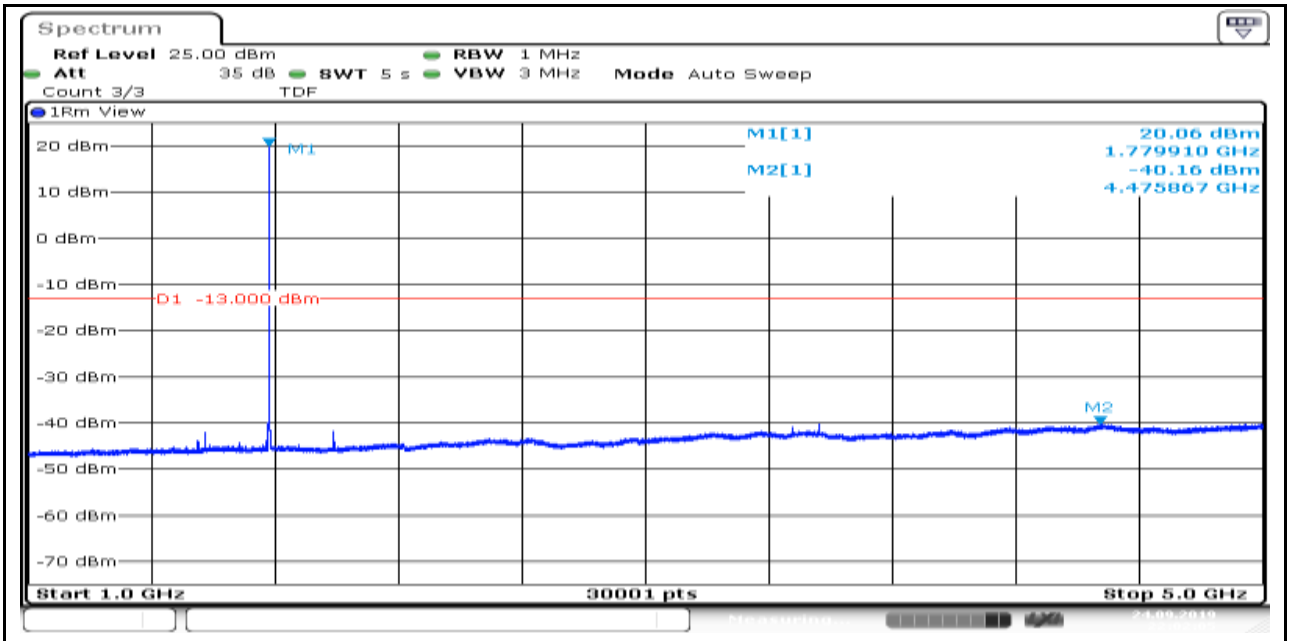
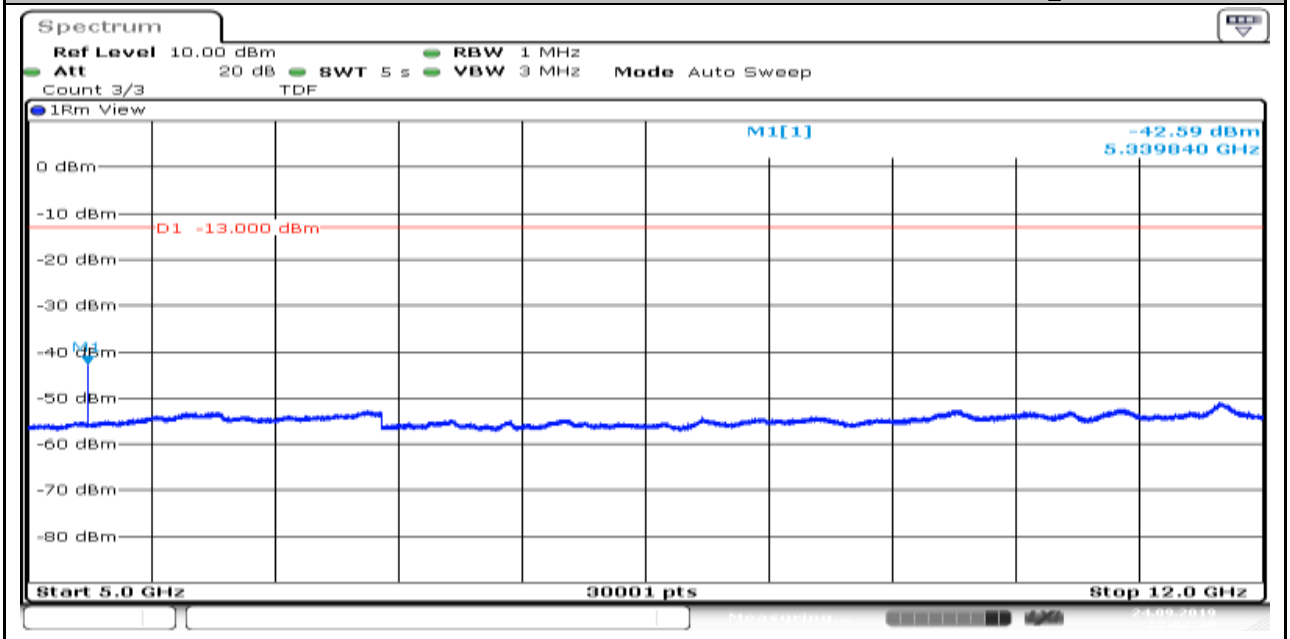
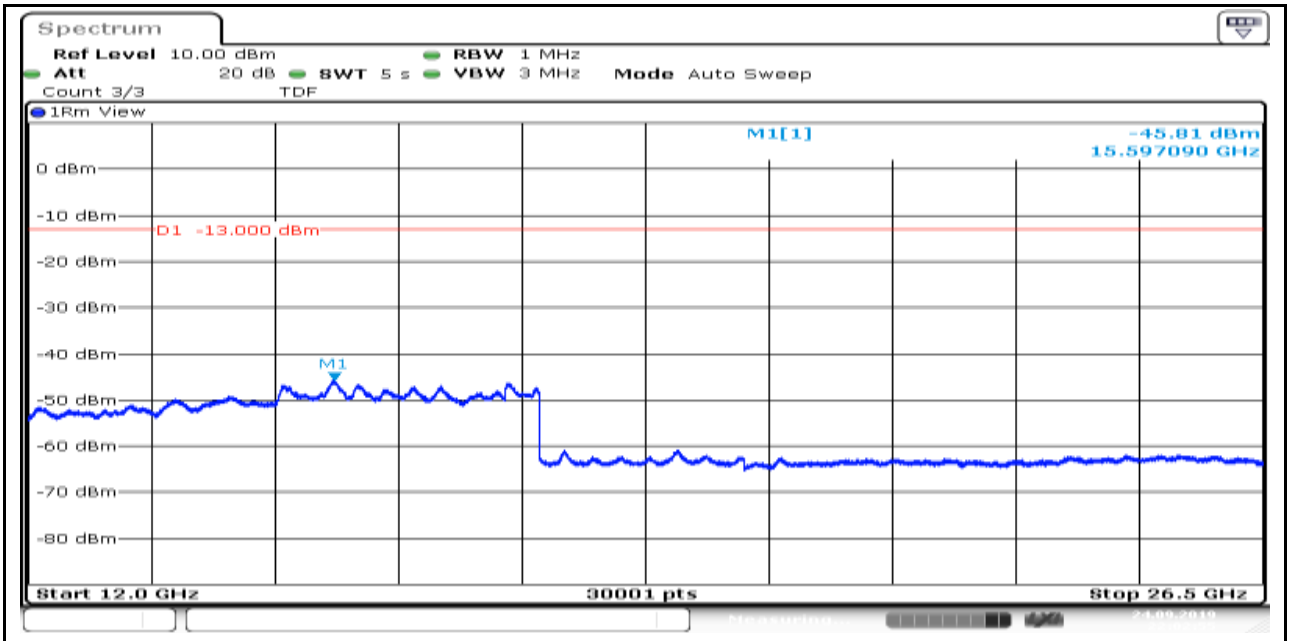


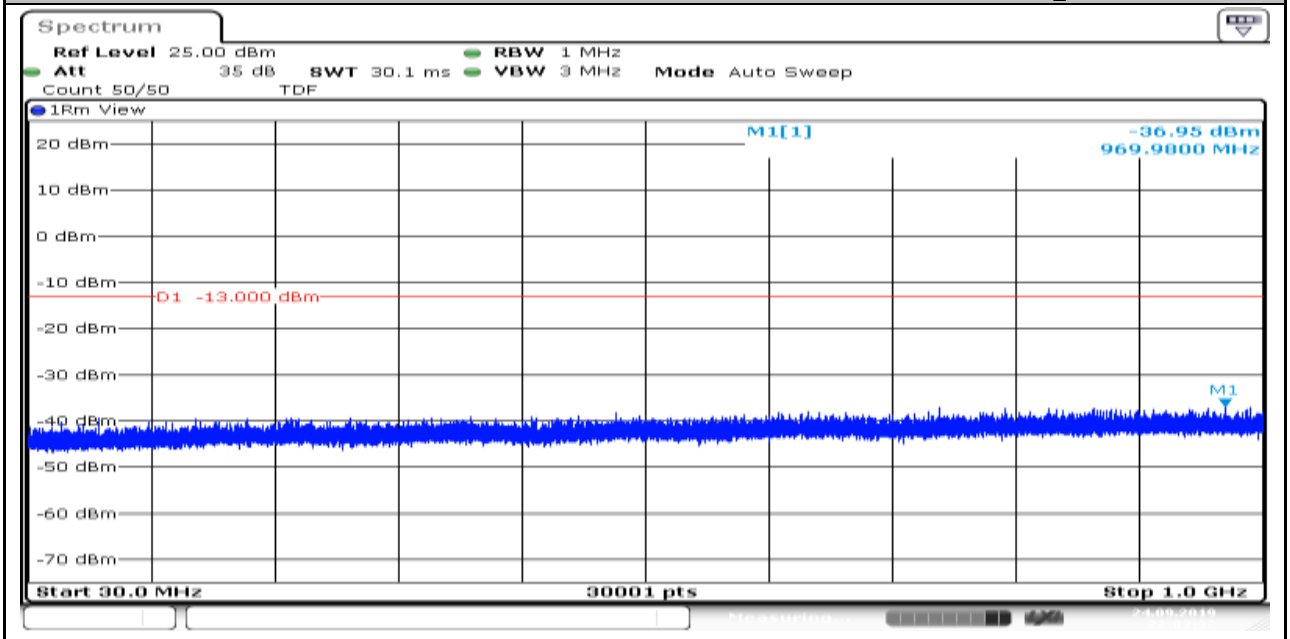
Band66_Stand-Alone_NaN_BPSK_132671_1@0_15kHz_5000_12000_5000~12000MHz@-42.59dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band66\Spurious emission at antenna terminals for category NB-Band66-Stand-Alone-NaN-132671-1@0@15kHz-BPSK-NTNV-2019924205423.Gif_



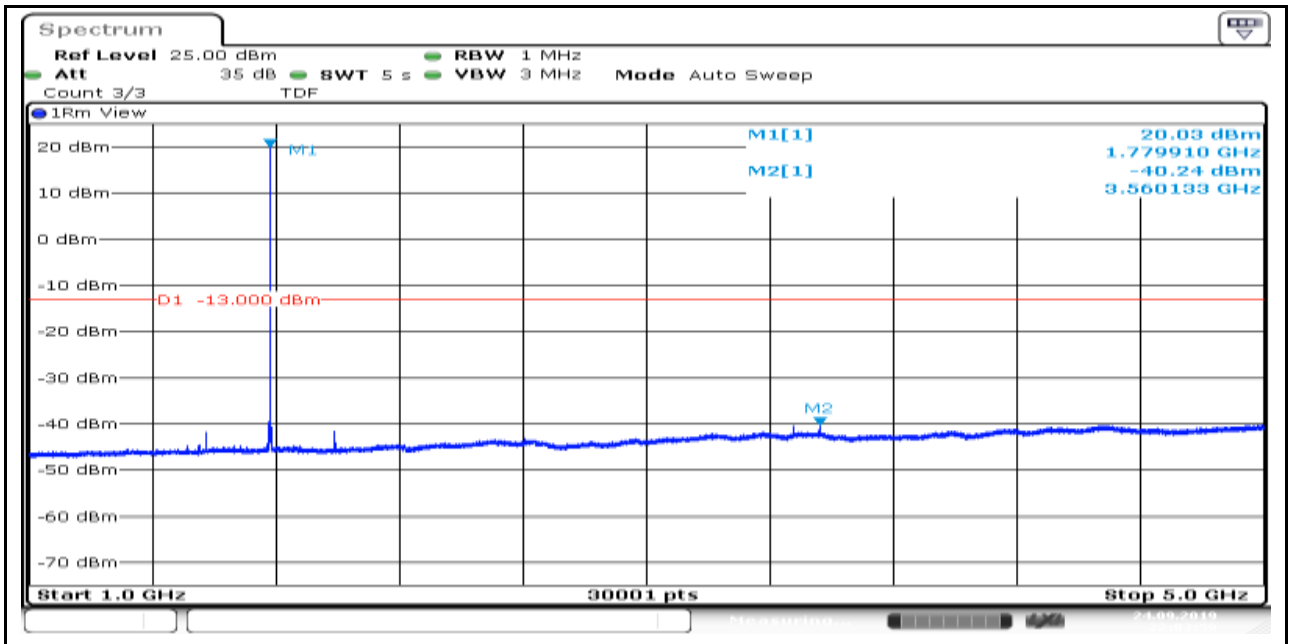
Band66_Stand-Alone_NaN_BPSK_132671_1@0_15kHz_12000_26500_12000~26500MHz@-45.81dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band66\Spurious emission at antenna terminals for category NB-Band66-Stand-Alone-NaN-132671-1@0@15kHz-BPSK-NTNV-2019924205448.Gif_



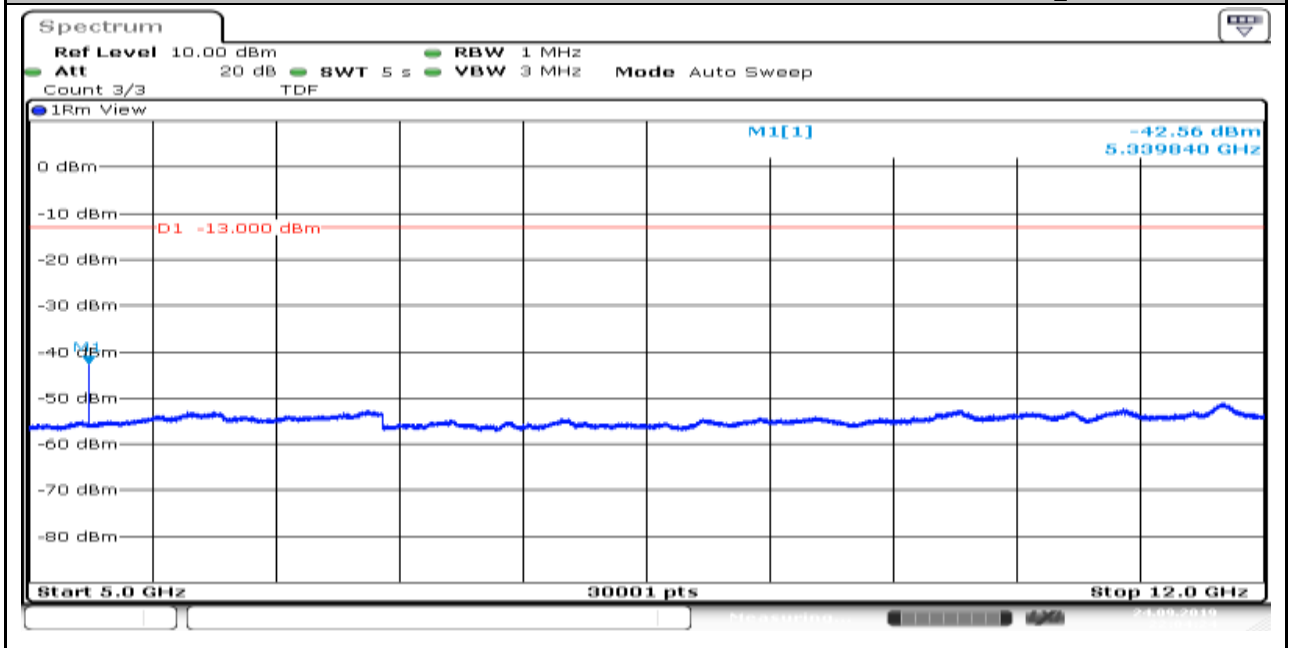
Band66_Stand-Alone_NaN_BPSK_132671_1@11_15kHz_30_1000_30~1000MHz@-36.95dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band66\Spurious emission at antenna terminals for category NB-Band66-Stand-Alone-NaN-132671-1@11@15kHz-BPSK-NTNV-2019924205524.Gif_



Band66_Stand-Alone_NaN_BPSK_132671_1@11_15kHz_1000_5000_1000~5000MHz@-40.24dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band66\Spurious emission at antenna terminals for category NB-Band66-Stand-Alone-NaN-132671-1@11@15kHz-BPSK-NTNV-2019924205552.Gif_



Band66_Stand-Alone_NaN_BPSK_132671_1@11_15kHz_5000_12000_5000~12000MHz@-42.56dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band66\Spurious emission at antenna terminals for category NB-Band66-Stand-Alone-NaN-132671-1@11@15kHz-BPSK-NTNV-2019924205617.Gif_



Appendix I.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
Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	HV	NT	-7.31	-0.004189	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	LV	NT	-7.70	-0.004413	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	NV	NT	7.80	0.004470	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	HV	NT	-8.00	-0.004585	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	LV	NT	9.71	0.005564	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	NV	NT	-23.47	-0.013450	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	HV	NT	-29.20	-0.016734	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	LV	NT	-38.38	-0.021994	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	NV	NT	-44.09	-0.025266	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	HV	NT	-38.88	-0.022281	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	LV	NT	-49.41	-0.028315	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	NV	NT	-23.05	-0.013209	±2.5	PASS

Temperature												
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	NV	50	-50.91	-0.029175	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	NV	-30	-9.54	-0.005467	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	NV	30	-36.46	-0.020894	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	NV	20	-43.64	-0.025009	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	NV	10	-18.84	-0.010797	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	NV	0	-29.64	-0.016986	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	NV	-10	-44.57	-0.025542	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	NV	50	15.28	0.008756	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	NV	-30	-23.85	-0.013668	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	NV	-30	-8.73	-0.005003	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	NV	40	-15.96	-0.009146	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	NV	30	-16.78	-0.009616	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	NV	20	-16.81	-0.009633	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	NV	10	-16.55	-0.009484	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	NV	0	-15.51	-0.008888	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	NV	-10	-13.38	-0.007668	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	NV	-20	-44.75	-0.025645	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	NV	-20	-41.18	-0.023599	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	NV	50	6.29	0.003605	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	NV	40	-14.61	-0.008372	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	NV	30	-17.27	-0.009897	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	NV	20	-15.34	-0.008791	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	NV	10	-15.26	-0.008745	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	NV	0	-13.35	-0.007650	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	NV	-10	-13.65	-0.007822	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	NV	40	-57.06	-0.032699	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	NV	-30	-10.34	-0.005926	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	NV	50	-11.80	-0.006762	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	NV	40	10.56	0.006052	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	NV	30	-22.24	-0.012745	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	NV	20	-19.17	-0.010986	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	NV	10	-10.90	-0.006246	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	NV	0	-11.56	-0.006625	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	NV	-10	-10.50	-0.006017	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	NV	-20	-9.06	-0.005192	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	NV	-20	-7.22	-0.004138	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	NV	-40	-10.21	-0.005851	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	NV	60	-8.05	-0.004613	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	NV	70	-11.26	-0.006453	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	NV	80	-9.94	-0.005696	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	NV	85	8.93	0.005117	±2.5	PASS

Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	NV	-40	-19.60	-0.011232	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	NV	60	-8.24	-0.004722	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	NV	70	-22.73	-0.013026	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	3.75kHz	NV	-40	-8.10	-0.004642	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	NV	85	-24.89	-0.014264	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	NV	85	-22.23	-0.012739	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	NV	60	-20.31	-0.011639	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	NV	70	-13.83	-0.007926	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	NV	80	-21.53	-0.012338	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@0	15kHz	NV	85	-16.89	-0.009679	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	NV	-40	12.15	0.006963	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	NV	60	-13.96	-0.008000	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	NV	70	14.83	0.008499	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@11	15kHz	NV	80	-11.76	-0.006739	±2.5	PASS
Band66	Stand-Alone	NaN	QPSK	132322	1@47	3.75kHz	NV	80	-12.77	-0.007318	±2.5	PASS

Appendix J: Test Results of Band 71 for NB-IoT operation

Appendix J.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		
Band71	Stand-Alone	NaN	QPSK	133123	1@47	3.75kHz	7.21	7.2	0.005	3	PASS
Band71	Stand-Alone	NaN	QPSK	133123	1@0	3.75kHz	7.28	7.27	0.005	3	PASS
Band71	Stand-Alone	NaN	QPSK	133123	1@11	15kHz	7.5	7.49	0.006	3	PASS
Band71	Stand-Alone	NaN	QPSK	133123	1@0	15kHz	7.25	7.24	0.005	3	PASS
Band71	Stand-Alone	NaN	QPSK	133123	3@3	15kHz	7.48	7.47	0.006	3	PASS
Band71	Stand-Alone	NaN	QPSK	133124	1@47	3.75kHz	20.44	20.43	0.110	3	PASS
Band71	Stand-Alone	NaN	QPSK	133124	1@11	15kHz	20.68	20.67	0.117	3	PASS
Band71	Stand-Alone	NaN	QPSK	133124	1@0	15kHz	20.74	20.73	0.118	3	PASS
Band71	Stand-Alone	NaN	QPSK	133124	3@3	15kHz	20.77	20.76	0.119	3	PASS
Band71	Stand-Alone	NaN	QPSK	133124	1@0	3.75kHz	20.49	20.48	0.112	3	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	21.08	21.07	0.128	3	PASS
Band71	Stand-Alone	NaN	QPSK	133297	3@3	15kHz	21.1	21.09	0.129	3	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	20.66	20.65	0.116	3	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	20.65	20.64	0.116	3	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	21	20.99	0.126	3	PASS
Band71	Stand-Alone	NaN	QPSK	133470	1@11	15kHz	20.89	20.88	0.122	3	PASS
Band71	Stand-Alone	NaN	QPSK	133470	1@0	15kHz	20.86	20.85	0.122	3	PASS
Band71	Stand-Alone	NaN	QPSK	133470	1@47	3.75kHz	20.82	20.81	0.121	3	PASS
Band71	Stand-Alone	NaN	QPSK	133470	1@0	3.75kHz	20.88	20.87	0.122	3	PASS
Band71	Stand-Alone	NaN	QPSK	133470	3@3	15kHz	20.84	20.83	0.121	3	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@0	15kHz	7.26	7.25	0.005	3	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@11	15kHz	7.57	7.56	0.006	3	PASS
Band71	Stand-Alone	NaN	QPSK	133471	3@3	15kHz	7.51	7.5	0.006	3	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@0	3.75kHz	7.36	7.35	0.005	3	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@47	3.75kHz	7.58	7.57	0.006	3	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@0	3.75kHz	7.22	7.21	0.005	3	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@47	3.75kHz	7.22	7.21	0.005	3	PASS
Band71	Stand-Alone	NaN	BPSK	133123	3@3	15kHz	7.51	7.5	0.006	3	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@11	15kHz	7.14	7.13	0.005	3	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@0	15kHz	7.48	7.47	0.006	3	PASS
Band71	Stand-Alone	NaN	BPSK	133124	1@0	3.75kHz	20.37	20.36	0.109	3	PASS
Band71	Stand-Alone	NaN	BPSK	133124	3@3	15kHz	20.77	20.76	0.119	3	PASS
Band71	Stand-Alone	NaN	BPSK	133124	1@47	3.75kHz	20.35	20.34	0.108	3	PASS
Band71	Stand-Alone	NaN	BPSK	133124	1@11	15kHz	20.58	20.57	0.114	3	PASS
Band71	Stand-Alone	NaN	BPSK	133124	1@0	15kHz	20.69	20.68	0.117	3	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@0	15kHz	21.04	21.03	0.127	3	PASS
Band71	Stand-Alone	NaN	BPSK	133297	3@3	15kHz	21.1	21.09	0.129	3	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@11	15kHz	21.03	21.02	0.126	3	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@47	3.75kHz	20.64	20.63	0.116	3	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@0	3.75kHz	20.66	20.65	0.116	3	PASS
Band71	Stand-Alone	NaN	BPSK	133470	1@0	15kHz	20.86	20.85	0.122	3	PASS
Band71	Stand-Alone	NaN	BPSK	133470	3@3	15kHz	20.84	20.83	0.121	3	PASS
Band71	Stand-Alone	NaN	BPSK	133470	1@11	15kHz	20.86	20.85	0.122	3	PASS
Band71	Stand-Alone	NaN	BPSK	133470	1@47	3.75kHz	20.75	20.74	0.119	3	PASS
Band71	Stand-Alone	NaN	BPSK	133470	1@0	3.75kHz	20.84	20.83	0.121	3	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@47	3.75kHz	7.56	7.55	0.006	3	PASS
Band71	Stand-Alone	NaN	BPSK	133471	3@3	15kHz	7.52	7.51	0.006	3	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@11	15kHz	7.53	7.52	0.006	3	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@0	15kHz	7.58	7.57	0.006	3	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@0	3.75kHz	7.37	7.36	0.005	3	PASS

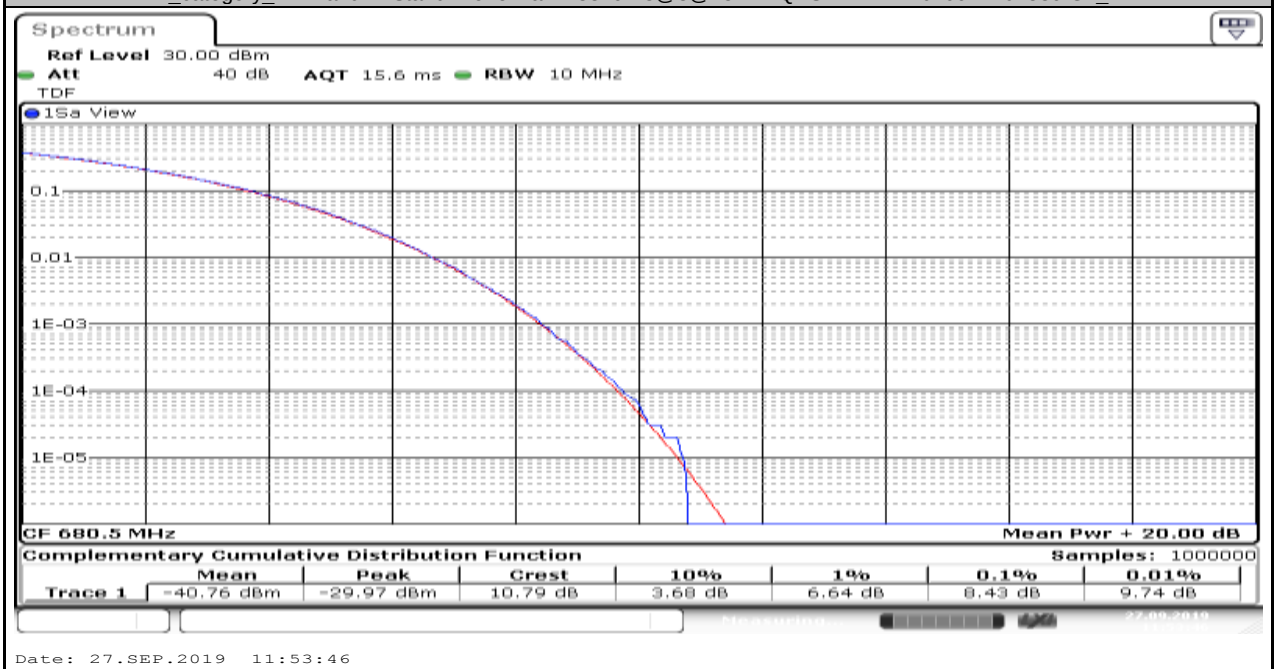
Appendix J.2: Peak-to-Average Ratio(CCDF) for NB

Test Result

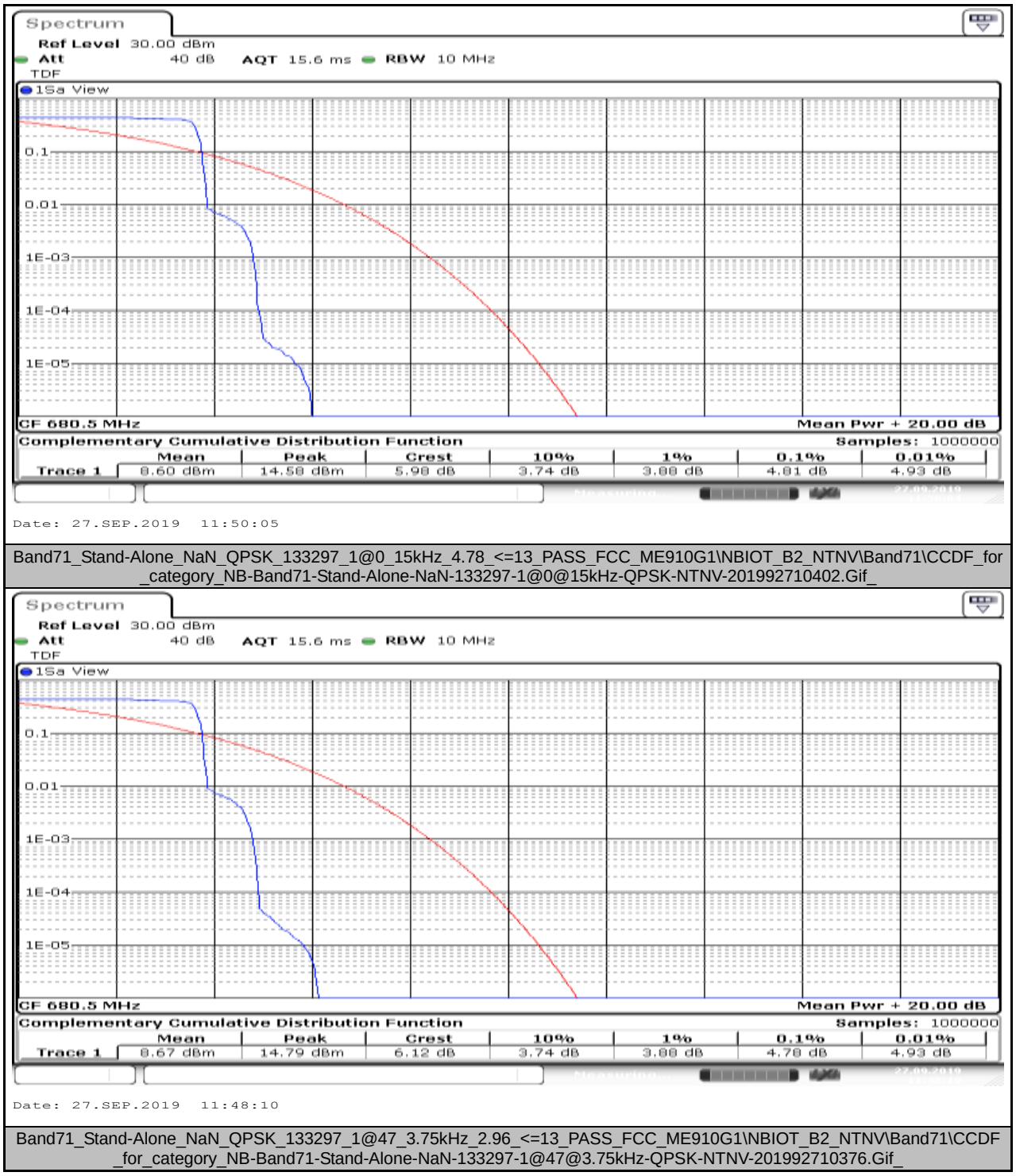
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Result (dB)	Limit (dB)	Verdict
Band71	Stand-Alone	NaN	QPSK	133297	3@3	15kHz	8.43	<=13	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	4.81	<=13	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	4.78	<=13	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	2.96	<=13	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	2.03	<=13	PASS
Band71	Stand-Alone	NaN	BPSK	133297	3@3	15kHz	10.46	<=13	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@11	15kHz	9.71	<=13	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@0	15kHz	1.28	<=13	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@47	3.75kHz	4.67	<=13	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@0	3.75kHz	1.62	<=13	PASS

Test Graphs

Band71_Stand-Alone_NaN_QPSK_133297_3@3_15kHz_8.43_<=13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band71\CCDF_for_category_NB-Band71-Stand-Alone-NaN-133297-3@3@15kHz-QPSK-NTNV-2019927104539.Gif_

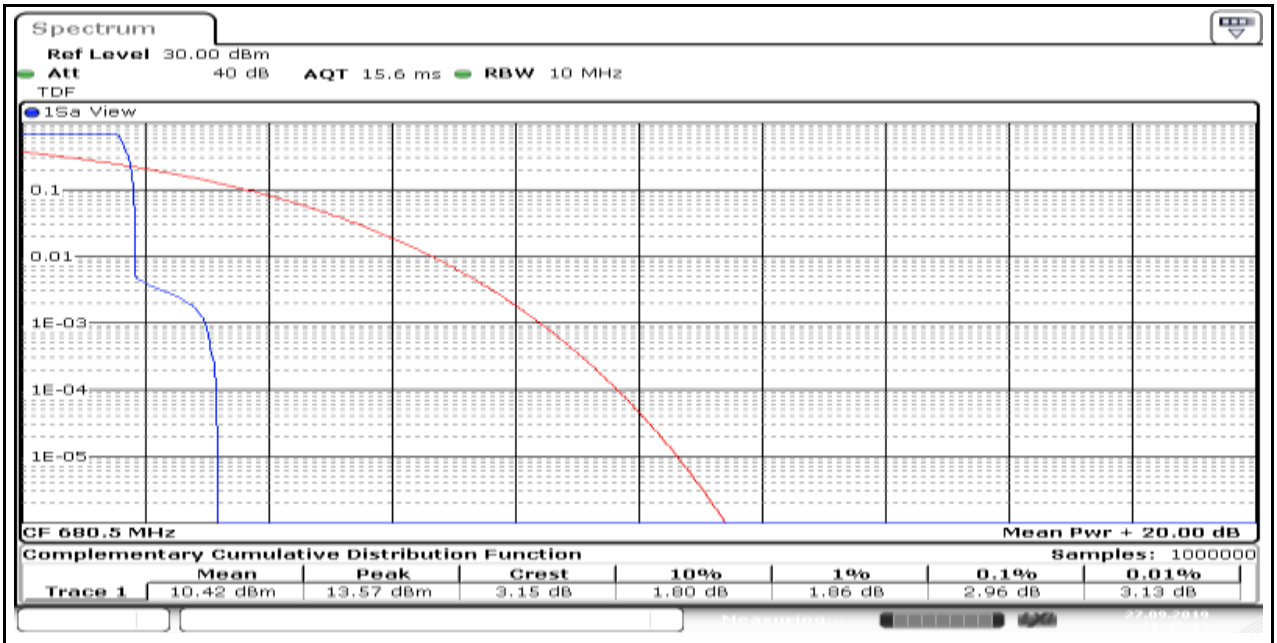


Band71_Stand-Alone_NaN_QPSK_133297_1@11_15kHz_4.81_<=13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band71\CCDF_for_category_NB-Band71-Stand-Alone-NaN-133297-1@11@15kHz-QPSK-NTNV-2019927104157.Gif_

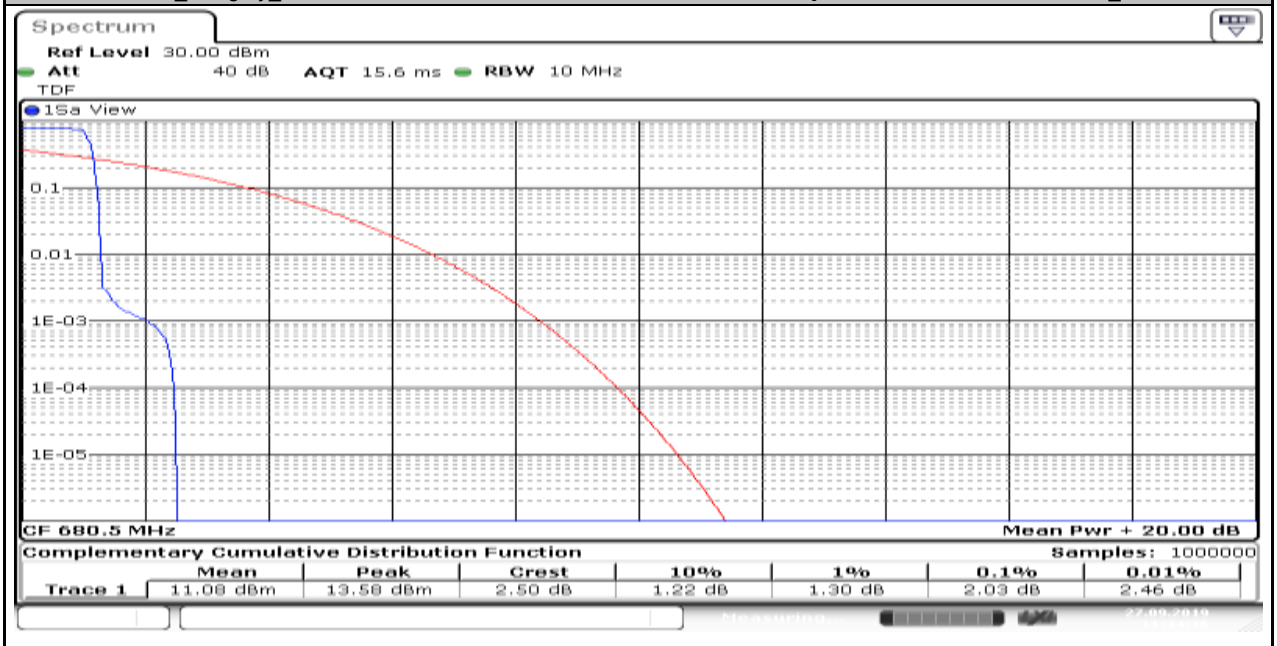


Band71_Stand-Alone_NaN_QPSK_133297_1@0_15kHz_4.78_<=13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band71\CCDF_for_category_NB-Band71-Stand-Alone-NaN-133297-1@0@15kHz-QPSK-NTNV-201992710402.Gif_

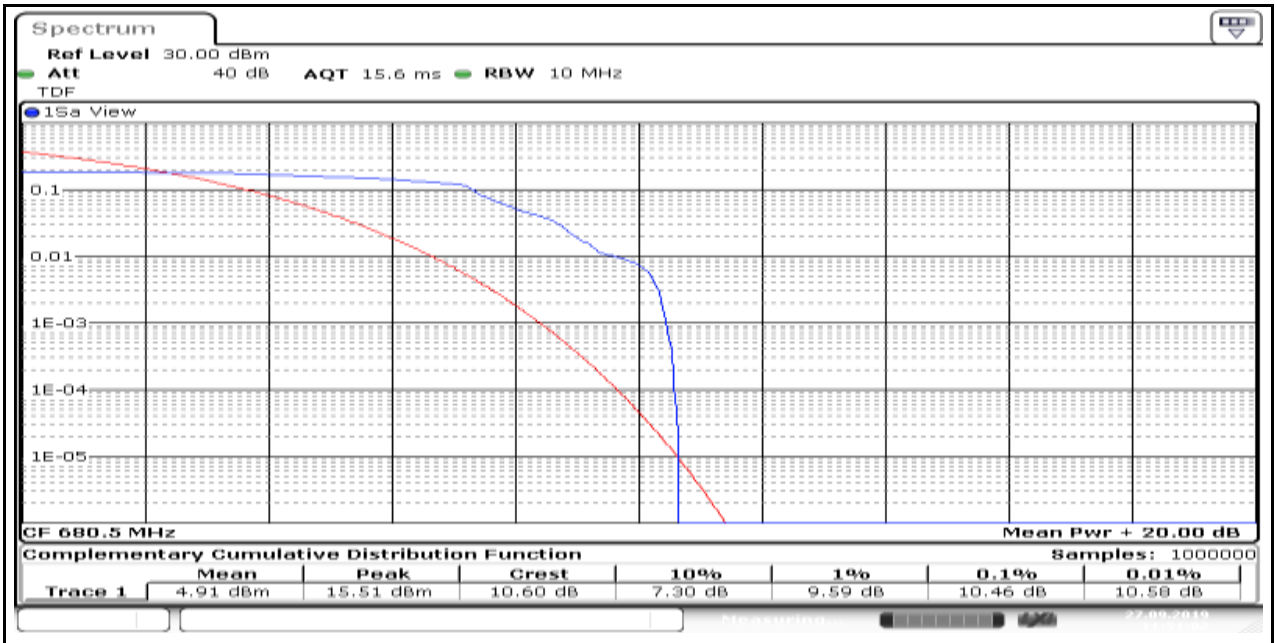
Band71_Stand-Alone_NaN_QPSK_133297_1@47_3.75kHz_2.96_<=13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band71\CCDF_for_category_NB-Band71-Stand-Alone-NaN-133297-1@47@3.75kHz-QPSK-NTNV-201992710376.Gif_



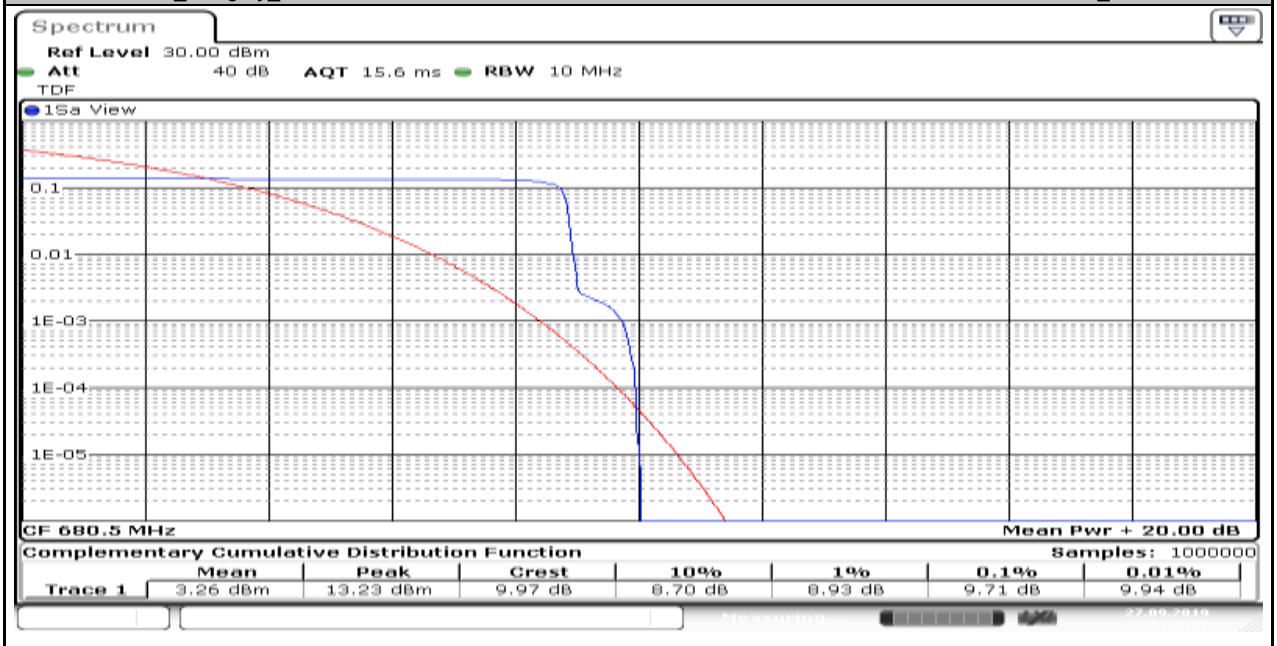
Band71_Stand-Alone_NaN_QPSK_133297_1@0_3.75kHz_2.03_<=13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band71\CCDF_for_category_NB-Band71-Stand-Alone-NaN-133297-1@0@3.75kHz-QPSK-NTNV-201992710369.Gif_



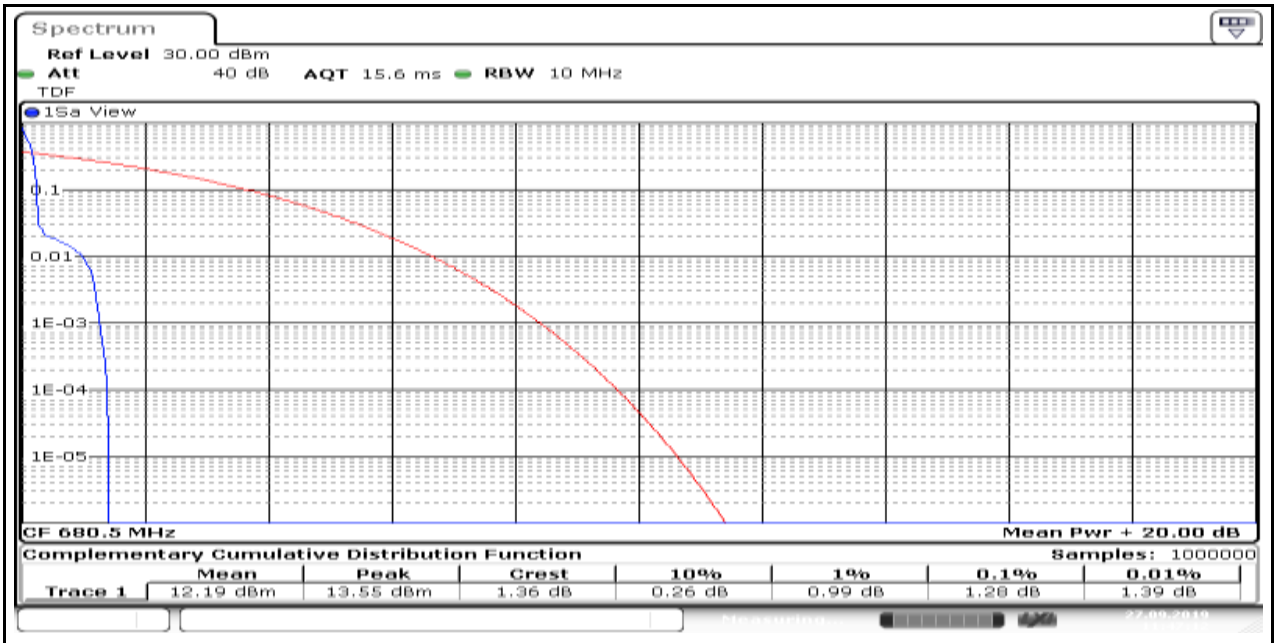
Band71_Stand-Alone_NaN_BPSK_133297_3@3_15kHz_10.46_<=13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band71\CCDF_for_category_NB-Band71-Stand-Alone-NaN-133297-3@3@15kHz-BPSK-NTNV-2019927104255.Gif_



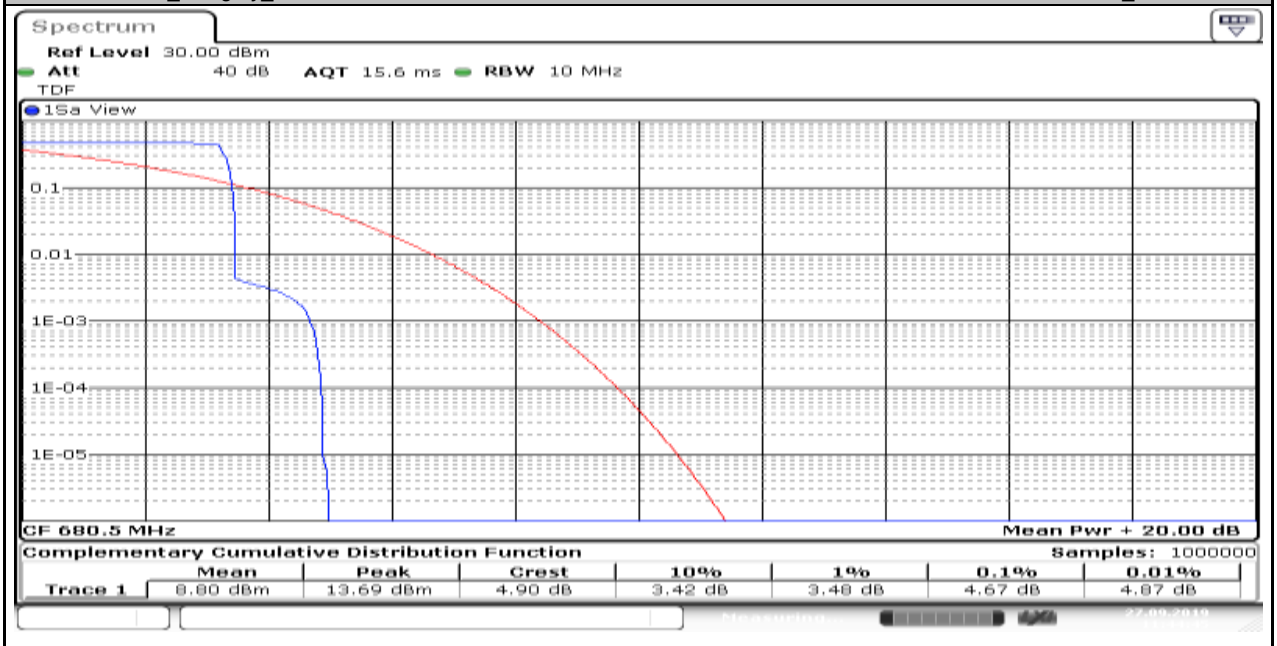
Band71_Stand-Alone_NaN_BPSK_133297_1@11_15kHz_9.71_<=13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band71\CCDF_for_category_NB-Band71-Stand-Alone-NaN-133297-1@11@15kHz-BPSK-NTNV-201992710410.Gif_



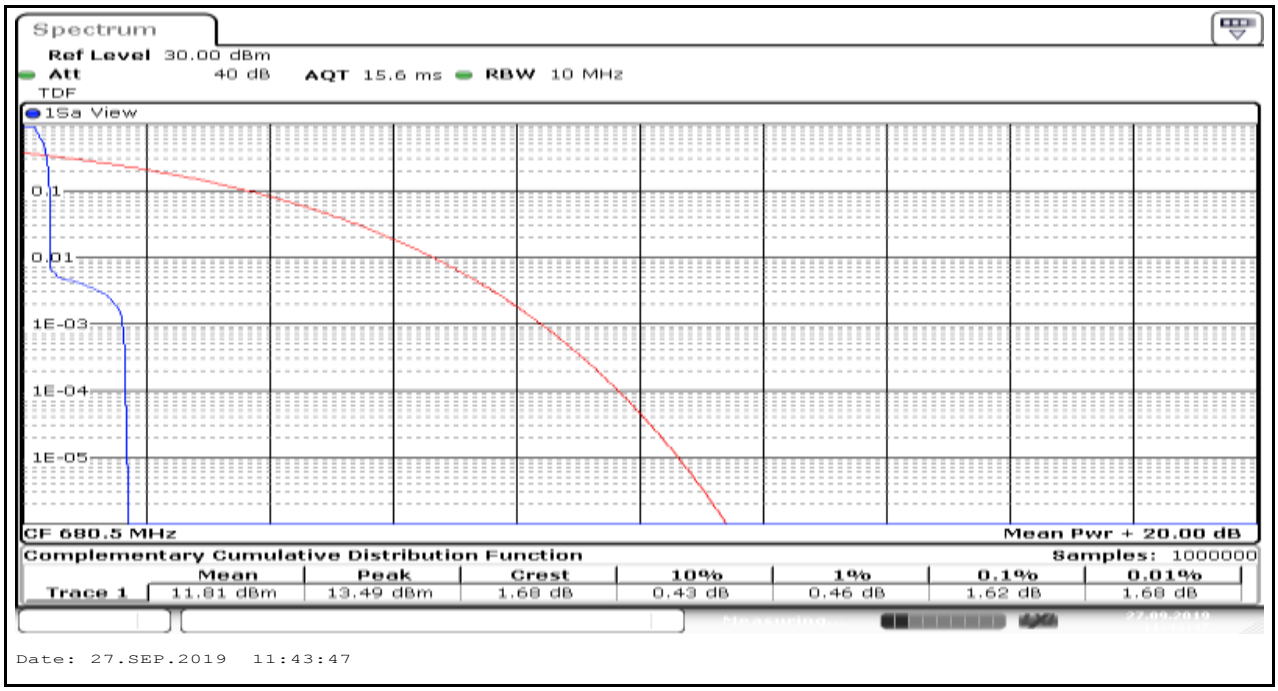
Band71_Stand-Alone_NaN_BPSK_133297_1@0_15kHz_1.28_<=13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band71\CCDF_for_category_NB-Band71-Stand-Alone-NaN-133297-1@0@15kHz-BPSK-NTNV-201992710395.Gif_



Band71_Stand-Alone_NaN_BPSK_133297_1@47_3.75kHz_4.67_<=13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band71\CCDF_for_category_NB-Band71-Stand-Alone-NaN-133297-1@47@3.75kHz-BPSK-NTNV-2019927103637.Gif_



Band71_Stand-Alone_NaN_BPSK_133297_1@0_3.75kHz_1.62_<=13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band71\CCDF_for_category_NB-Band71-Stand-Alone-NaN-133297-1@0@3.75kHz-BPSK-NTNV-2019927103540.Gif_


Spectrum
Ref Level 30.00 dBm
Att 40 dB
AQT 15.6 ms
RBW 10 MHz
TDF
1Sa View
0.1
0.01
1E-03
1E-04
1E-05
CF 680.5 MHz
Mean Pwr + 20.00 dB
Complementary Cumulative Distribution Function
Samples: 1000000
Mean
Peak
Crest
10%
1%
0.1%
0.01%
Trace 1
11.81 dBm
13.49 dBm
1.68 dB
0.43 dB
0.46 dB
1.62 dB
1.68 dB
Date: 27.SEP.2019 11:43:47

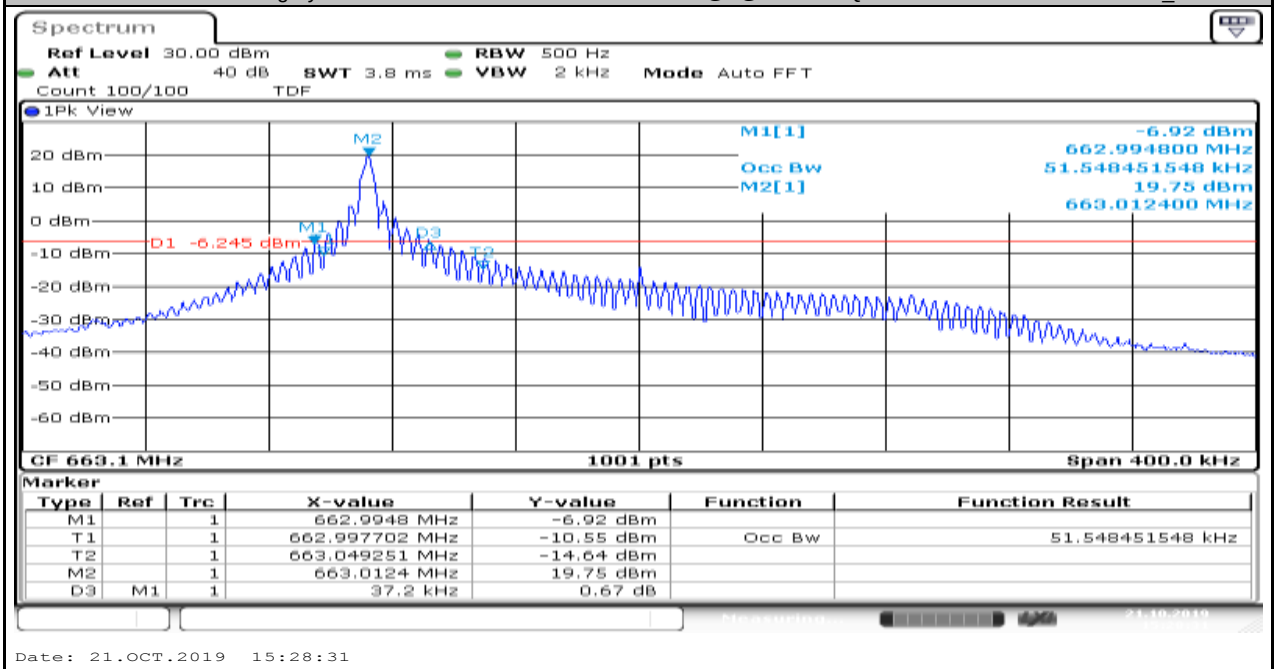
Appendix J.3: 26dB Emission Bandwidth and Occupied Bandwidth for NB

Test Result

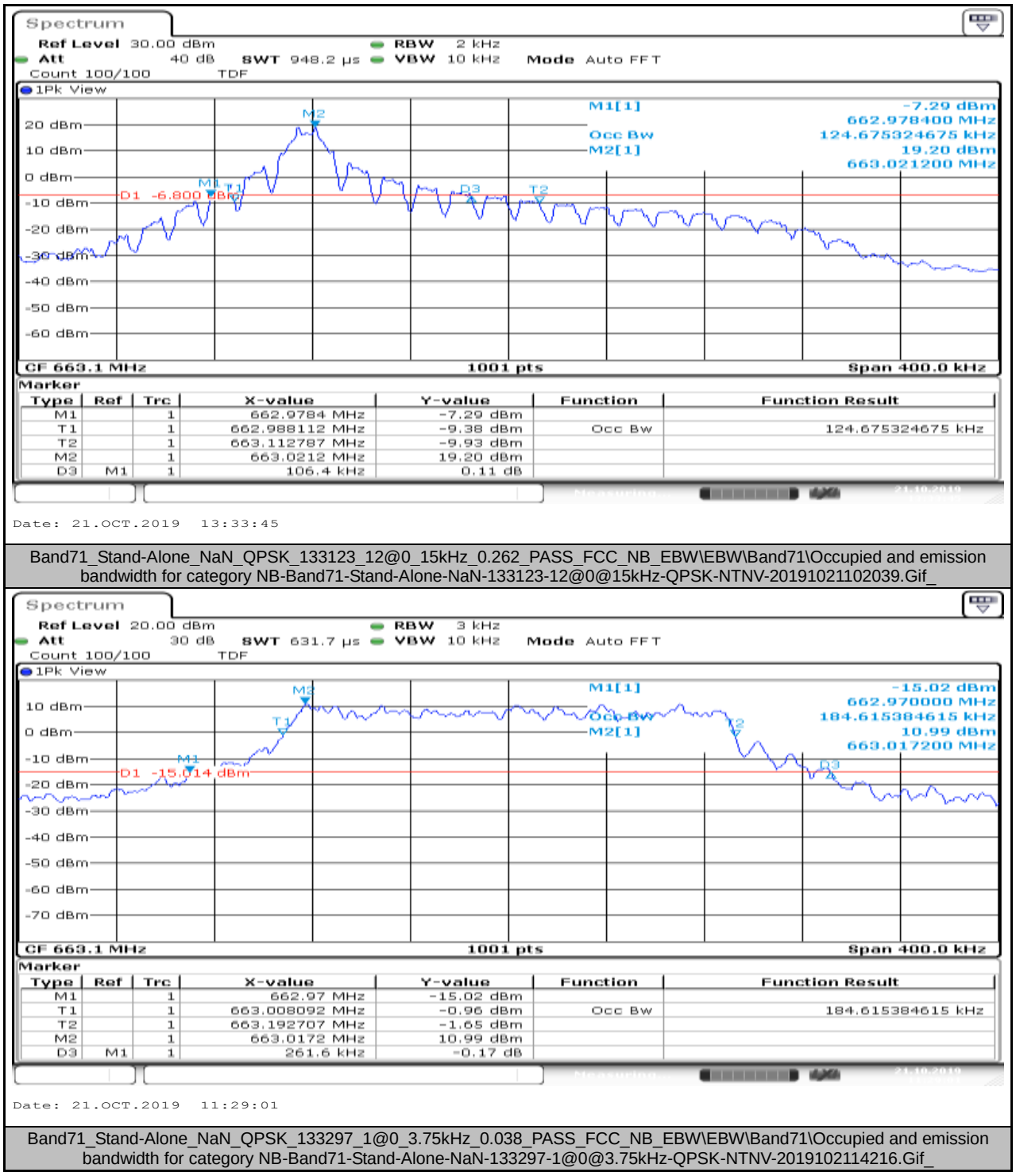
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)	Verdict
Band71	Stand-Alone	NaN	QPSK	133123	1@0	3.75kHz	0.037	0.052	PASS
Band71	Stand-Alone	NaN	QPSK	133123	1@0	15kHz	0.106	0.125	PASS
Band71	Stand-Alone	NaN	QPSK	133123	12@0	15kHz	0.262	0.195	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	0.038	0.053	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	0.106	0.125	PASS
Band71	Stand-Alone	NaN	QPSK	133297	12@0	15kHz	0.263	0.185	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@0	3.75kHz	0.038	0.052	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@0	15kHz	0.106	0.124	PASS
Band71	Stand-Alone	NaN	QPSK	133471	12@0	15kHz	0.262	0.184	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@0	3.75kHz	0.038	0.053	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@0	15kHz	0.106	0.125	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@0	3.75kHz	0.038	0.052	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@0	15kHz	0.106	0.125	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@0	3.75kHz	0.038	0.053	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@0	15kHz	0.106	0.124	PASS

Test Graphs

Band71_Stand-Alone_NaN_QPSK_133123_1@0_3.75kHz_0.037_PASS_FCC_NB_EBW\EBW\Band71\Occupied and emission bandwidth for category NB-Band71-Stand-Alone-NaN-133123-1@0@3.75kHz-QPSK-NTNV-20191021142O9.Gif_

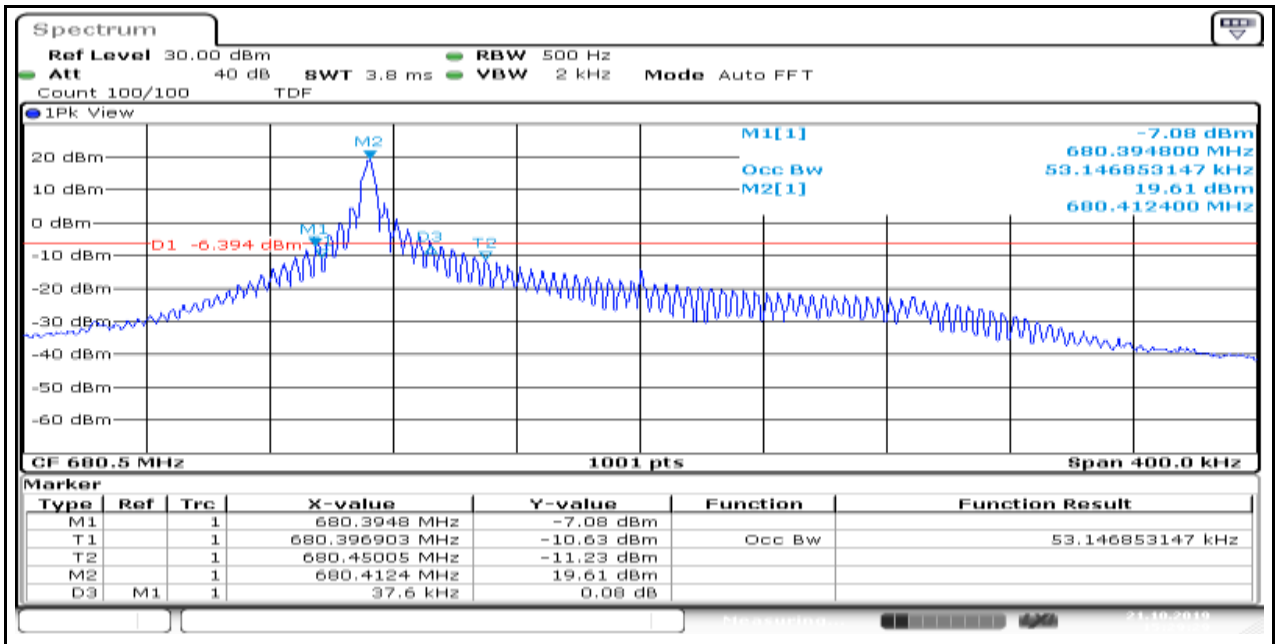


Band71_Stand-Alone_NaN_QPSK_133123_1@0_15kHz_0.106_PASS_FCC_NB_EBW\EBW\Band71\Occupied and emission bandwidth for category NB-Band71-Stand-Alone-NaN-133123-1@0@15kHz-QPSK-NTNV-20191021122523.Gif_

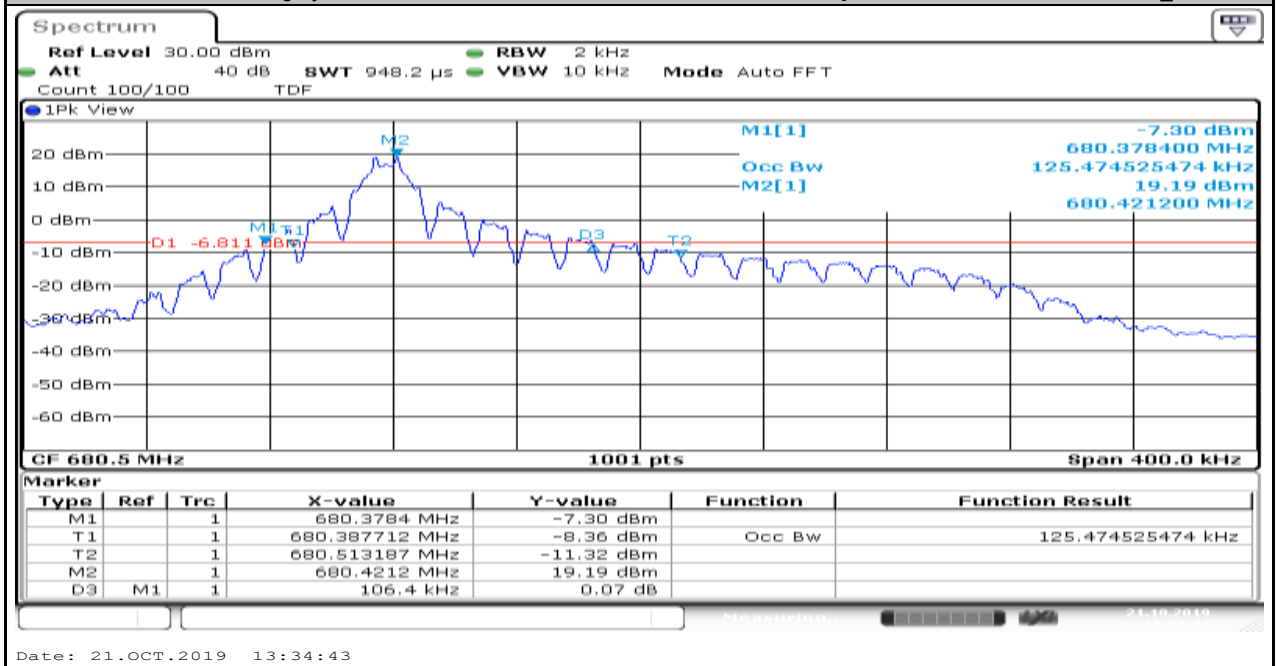


Band71_Stand-Alone_NaN_QPSK_133123_12@0_15kHz_0.262_PASS_FCC_NB_EBW\EBW\Band71\Occupied and emission bandwidth for category NB-Band71-Stand-Alone-NaN-133123-12@0@15kHz-QPSK-NTNV-20191021102039.Gif_

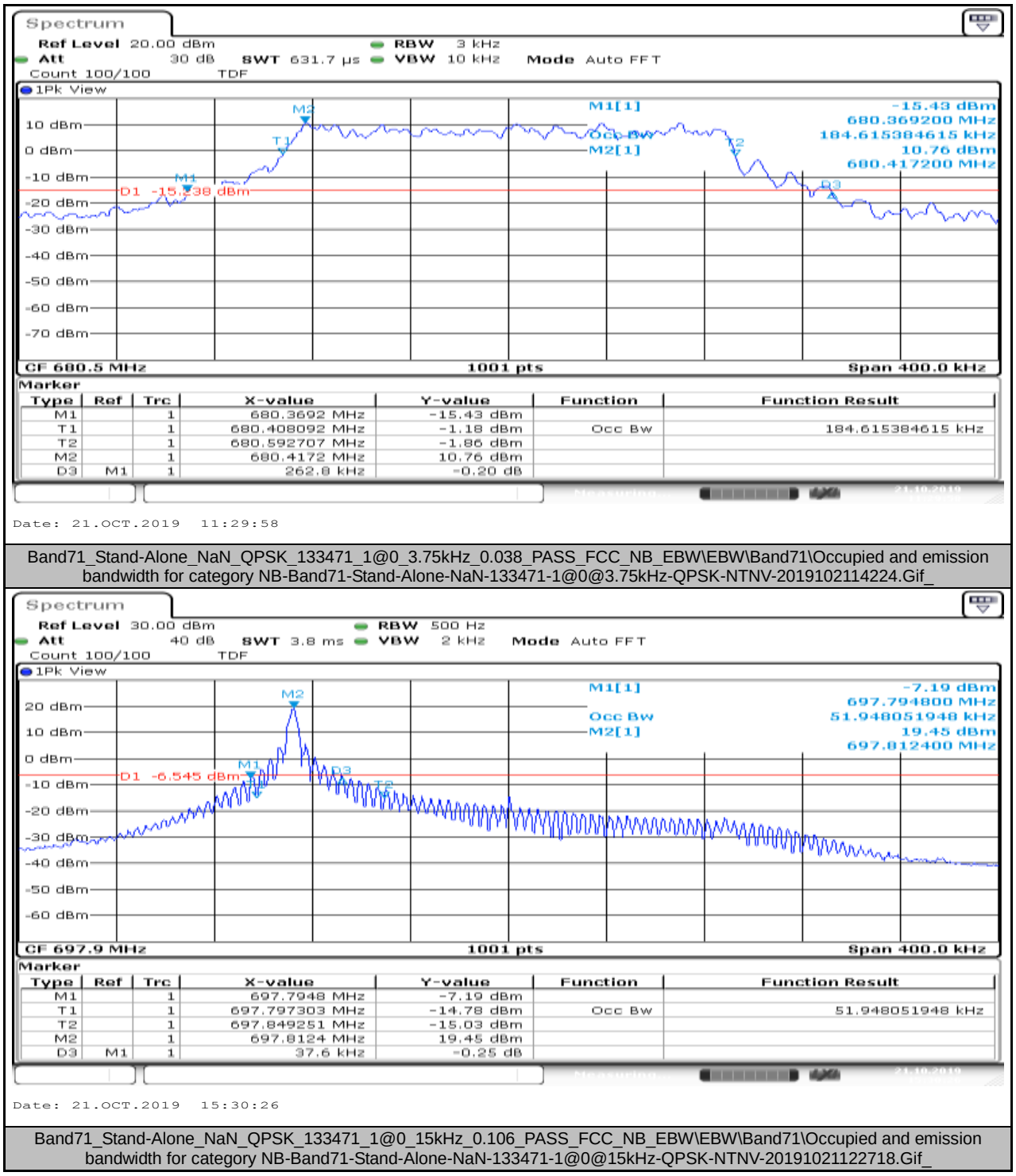
Band71_Stand-Alone_NaN_QPSK_133297_1@0_3.75kHz_0.038_PASS_FCC_NB_EBW\EBW\Band71\Occupied and emission bandwidth for category NB-Band71-Stand-Alone-NaN-133297-1@0@3.75kHz-QPSK-NTNV-20191021142216.Gif_



Band71_Stand-Alone_NaN_QPSK_133297_1@0_15kHz_0.106_PASS_FCC_NB_EBW\EBW\Band71\Occupied and emission bandwidth for category NB-Band71-Stand-Alone-NaN-133297-1@0@15kHz-QPSK-NTNV-20191021122621.Gif_

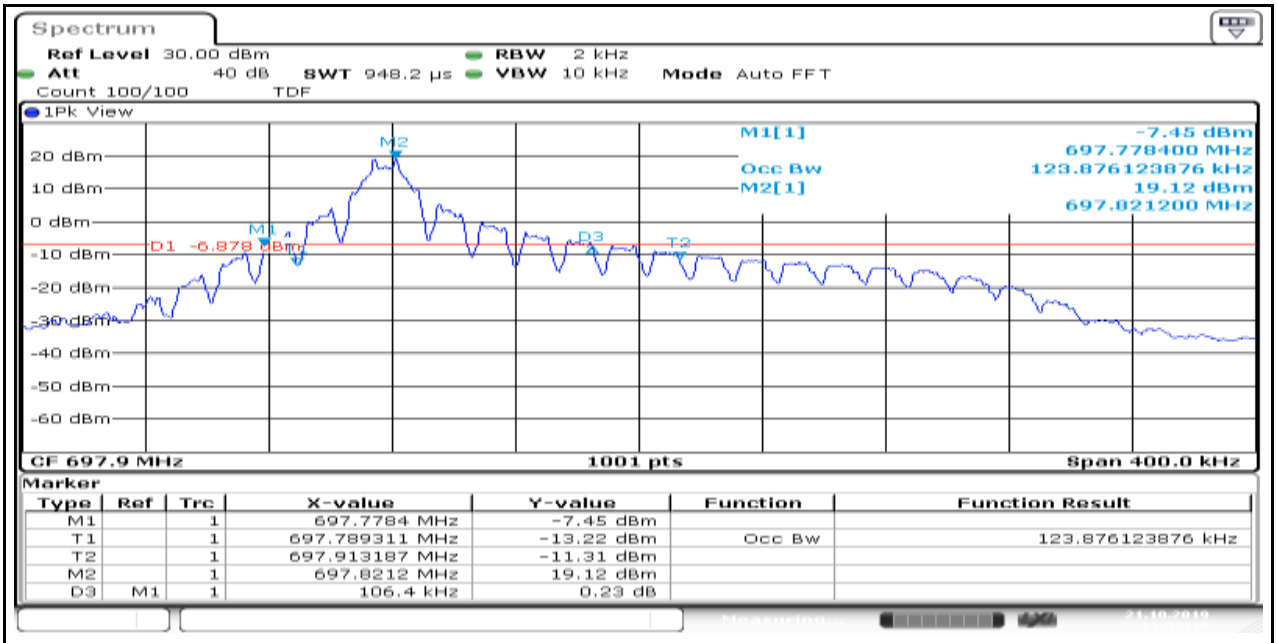


Band71_Stand-Alone_NaN_QPSK_133297_12@0_15kHz_0.263_PASS_FCC_NB_EBW\EBW\Band71\Occupied and emission bandwidth for category NB-Band71-Stand-Alone-NaN-133297-12@0@15kHz-QPSK-NTNV-20191021102136.Gif_

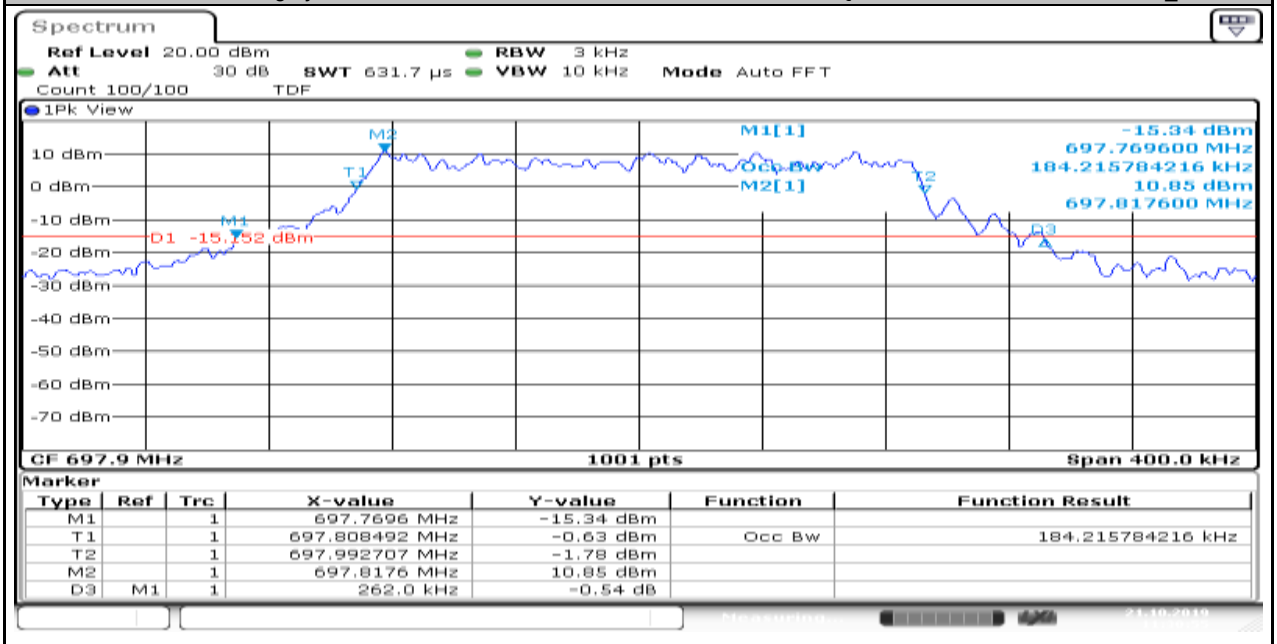


Band71_Stand-Alone_NaN_QPSK_133471_1@0_3.75kHz_0.038_PASS_FCC_NB_EBW\EBW\Band71\Occupied and emission bandwidth for category NB-Band71-Stand-Alone-NaN-133471-1@0@3.75kHz-QPSK-NTNV-2019102114224.Gif_

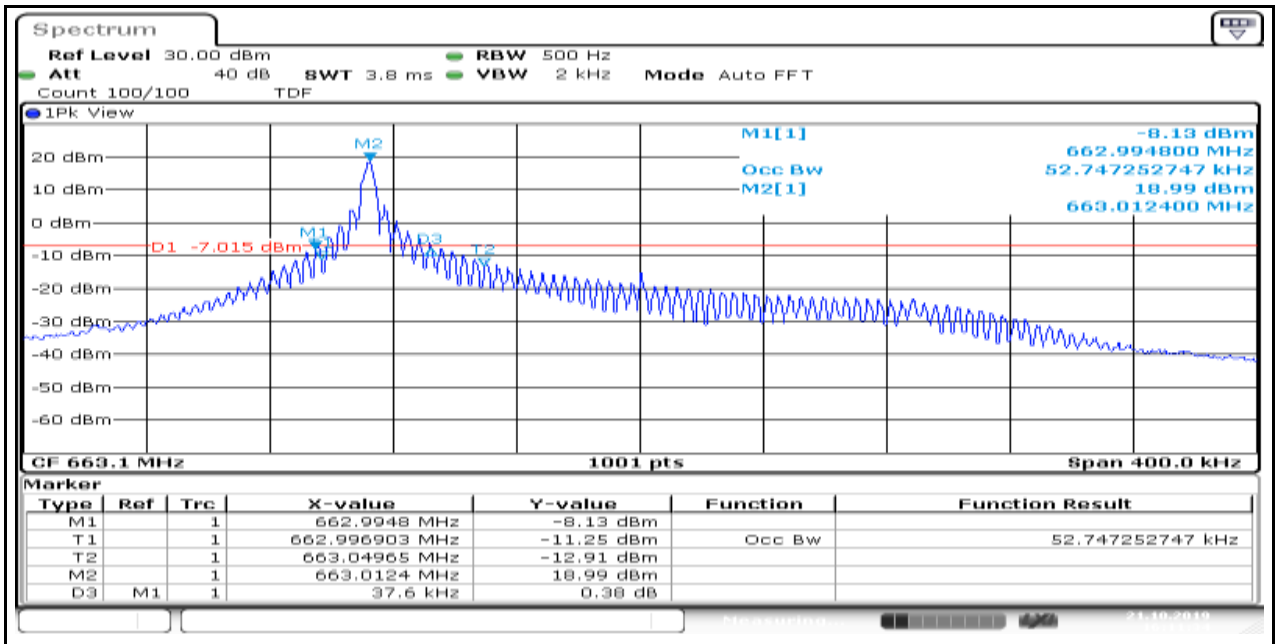
Band71_Stand-Alone_NaN_QPSK_133471_1@0_15kHz_0.106_PASS_FCC_NB_EBW\EBW\Band71\Occupied and emission bandwidth for category NB-Band71-Stand-Alone-NaN-133471-1@0@15kHz-QPSK-NTNV-20191021122718.Gif_



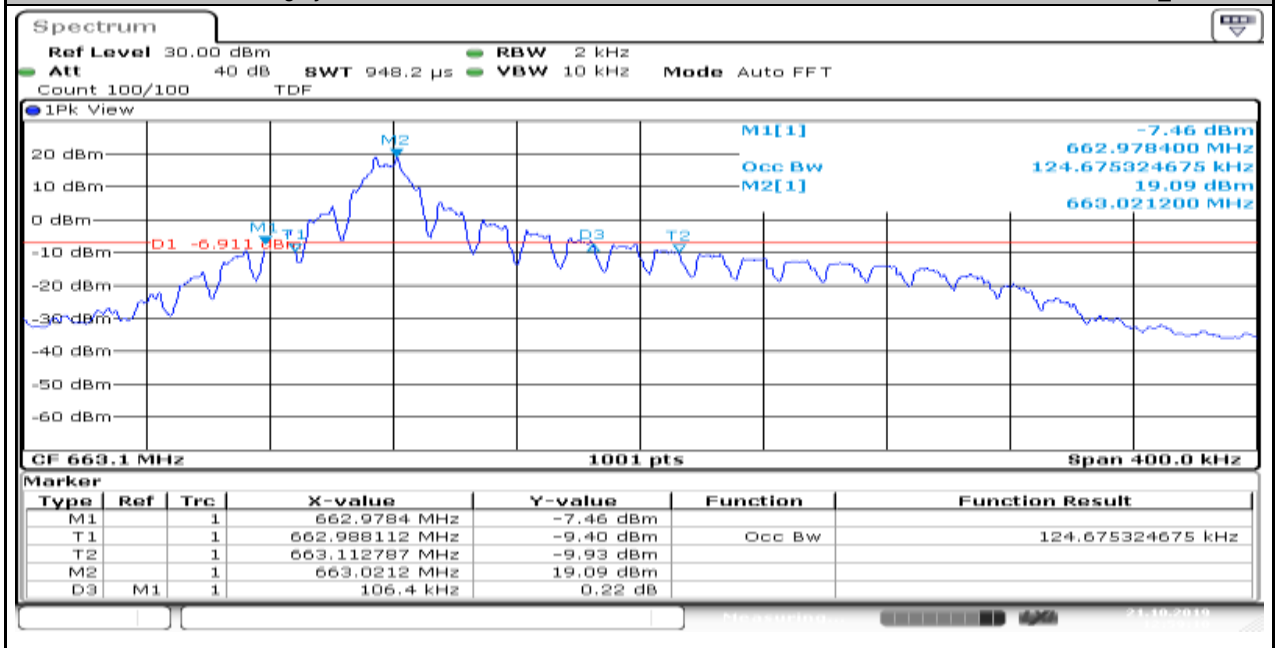
Band71_Stand-Alone_NaN_QPSK_133471_12@0_15kHz_0.262_PASS_FCC_NB_EBW\EBW\Band71\Occupied and emission bandwidth for category NB-Band71-Stand-Alone-NaN-133471-12@0@15kHz-QPSK-NTNV-20191021102234.Gif_



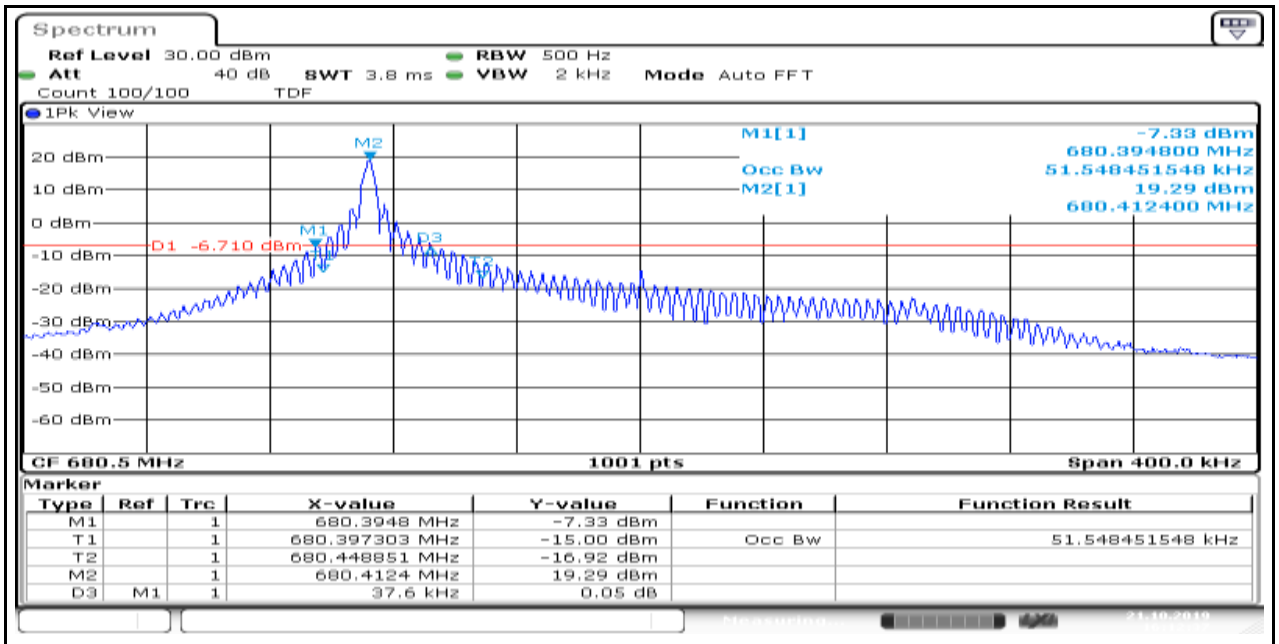
Band71_Stand-Alone_NaN_BPSK_133123_1@0_3.75kHz_0.038_PASS_FCC_NB_EBW\EBW\Band71\Occupied and emission bandwidth for category NB-Band71-Stand-Alone-NaN-133123-1@0@3.75kHz-BPSK-NTNV-2019102115312.Gif_



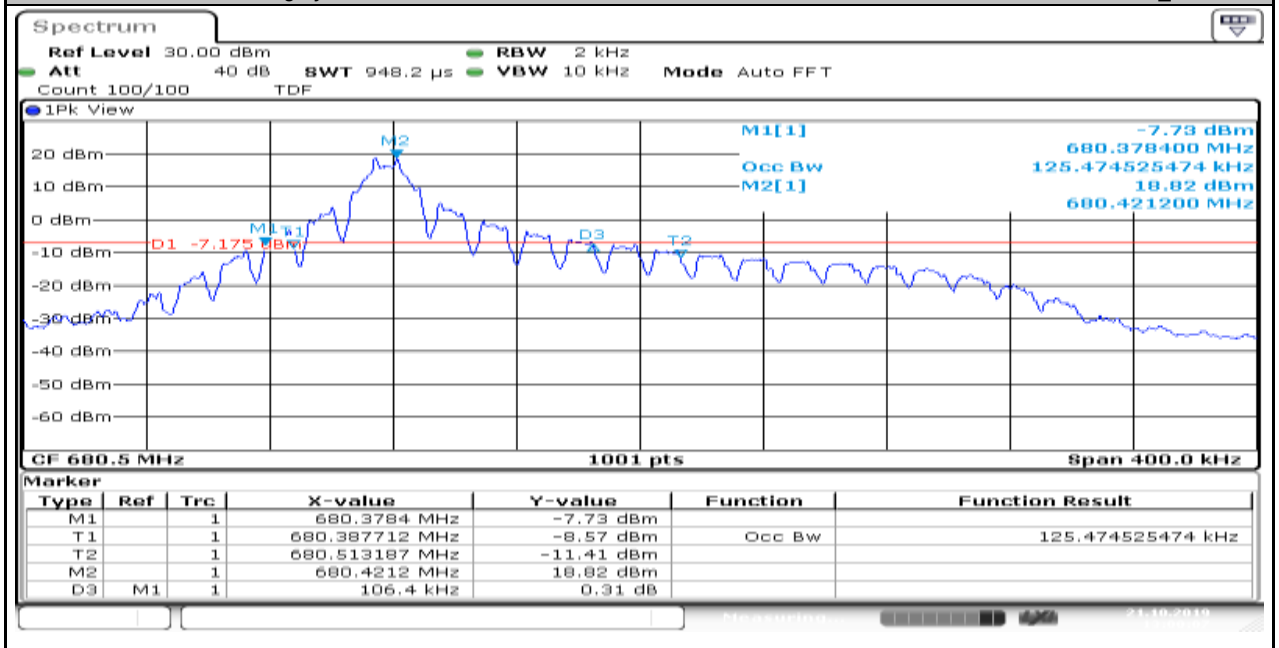
Band71_Stand-Alone_NaN_BPSK_133123_1@0_15kHz_0.106_PASS_FCC_NB_EBW\EBW\Band71\Occupied and emission bandwidth for category NB-Band71-Stand-Alone-NaN-133123-1@0@15kHz-BPSK-NTNV-20191021115048.Gif_



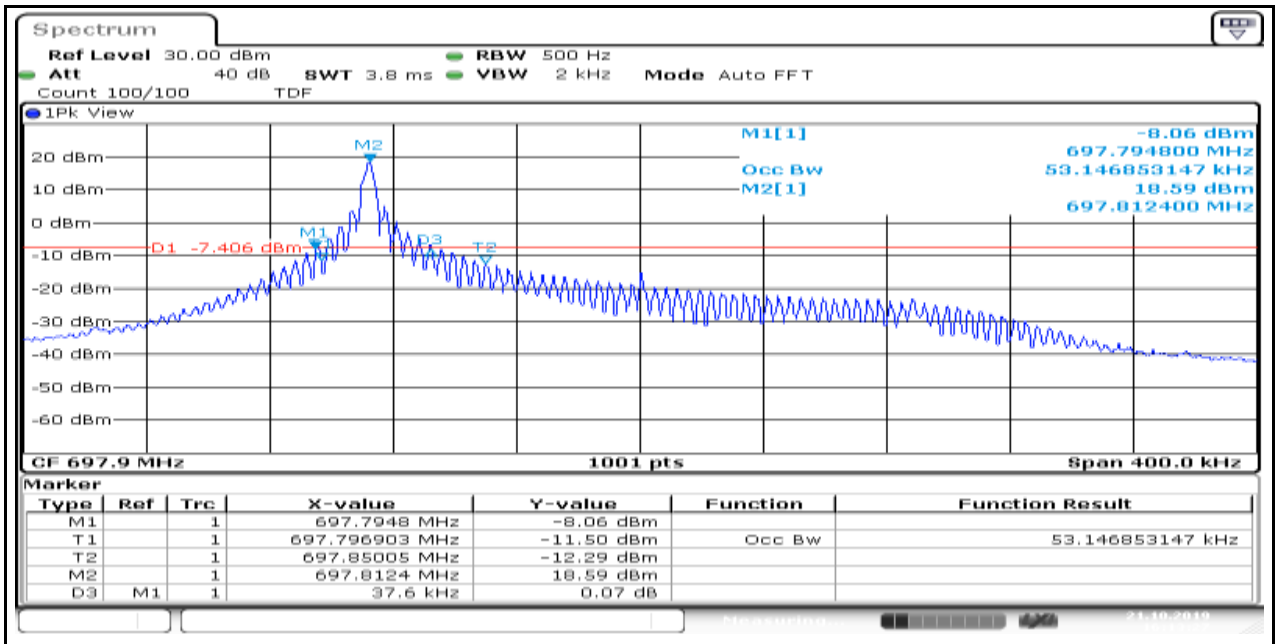
Band71_Stand-Alone_NaN_BPSK_133297_1@0_3.75kHz_0.038_PASS_FCC_NB_EBW\EBW\Band71\Occupied and emission bandwidth for category NB-Band71-Stand-Alone-NaN-133297-1@0@3.75kHz-BPSK-NTNV-2019102115415.Gif_



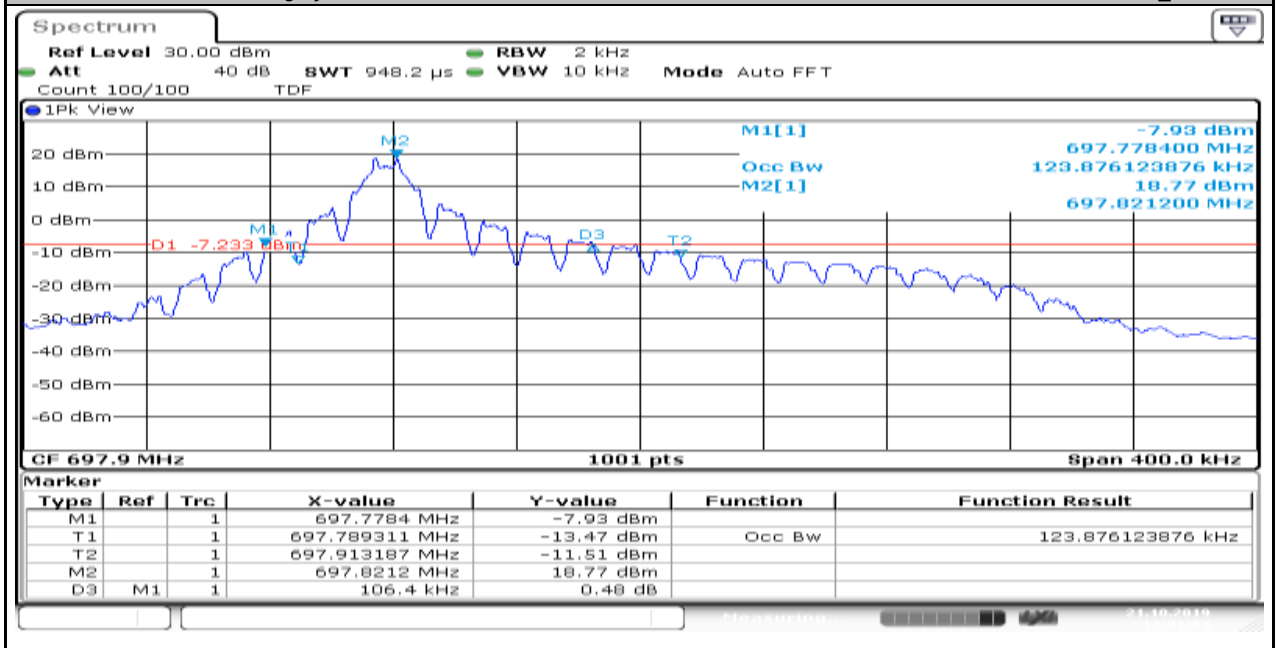
Band71_Stand-Alone_NaN_BPSK_133297_1@0_15kHz_0.106_PASS_FCC_NB_EBW\EBW\Band71\Occupied and emission bandwidth for category NB-Band71-Stand-Alone-NaN-133297-1@0@15kHz-BPSK-NTNV-20191021115145.Gif_



Band71_Stand-Alone_NaN_BPSK_133471_1@0_3.75kHz_0.038_PASS_FCC_NB_EBW\EBW\Band71\Occupied and emission bandwidth for category NB-Band71-Stand-Alone-NaN-133471-1@0@3.75kHz-BPSK-NTNV-201910211555.Gif_



Band71_Stand-Alone_NaN_BPSK_133471_1@0_15kHz_0.106_PASS_FCC_NB_EBW\EBW\Band71\Occupied and emission bandwidth for category NB-Band71-Stand-Alone-NaN-133471-1@0@15kHz-BPSK-NTNV-20191021115243.Gif_



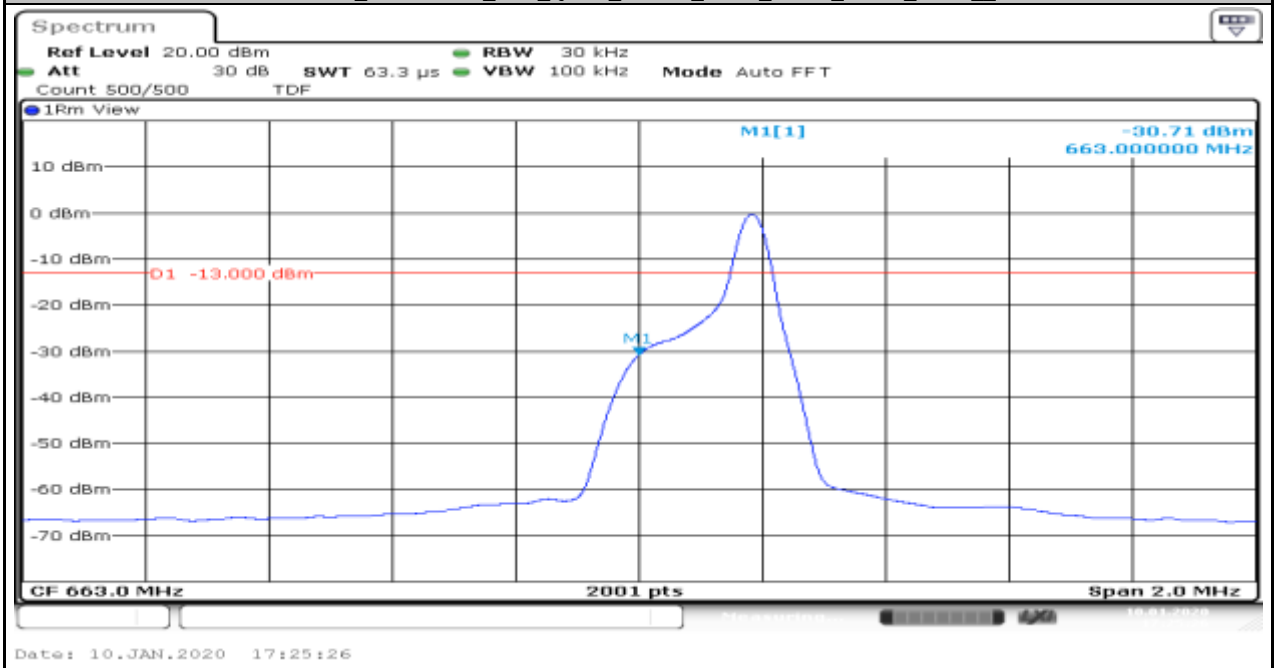
Appendix J.4: Band Edge for NB

Test Result

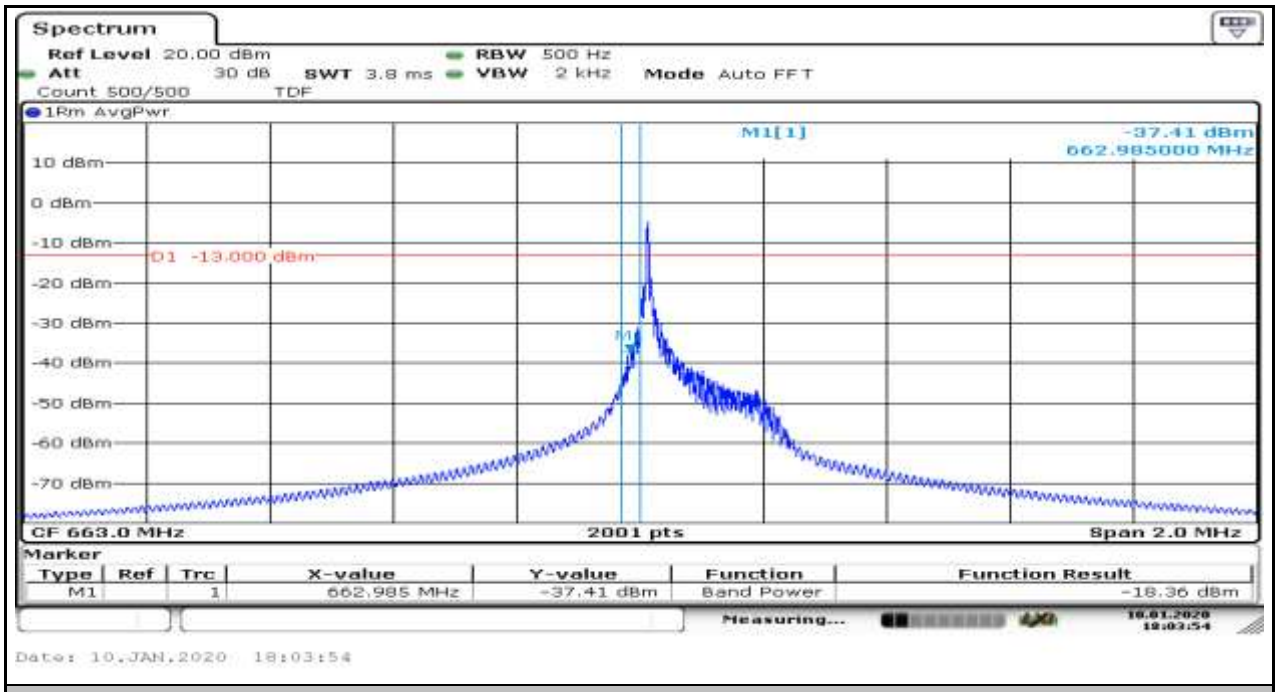
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Result (dBm)	Verdict
Band71	Stand-Alone	NaN	QPSK	133123	1@11	15kHz	-30.71	PASS
Band71	Stand-Alone	NaN	QPSK	133123	1@0	3.75kHz	-18.36	PASS
Band71	Stand-Alone	NaN	QPSK	133123	1@0	15kHz	-17.70	PASS
Band71	Stand-Alone	NaN	QPSK	133123	12@0	15kHz	-22.03	PASS
Band71	Stand-Alone	NaN	QPSK	133123	1@47	3.75kHz	-34.07	PASS
Band71	Stand-Alone	NaN	QPSK	133471	12@0	15kHz	-22.27	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@47	3.75kHz	-18.35	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@0	15kHz	-30.92	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@11	15kHz	-17.35	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@0	3.75kHz	-33.95	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@0	3.75kHz	-17.14	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@11	15kHz	-28.24	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@47	3.75kHz	-32.23	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@0	15kHz	-15.71	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@0	3.75kHz	-31.68	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@11	15kHz	-15.69	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@0	15kHz	-28.66	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@47	3.75kHz	-17.19	PASS

Test Graphs

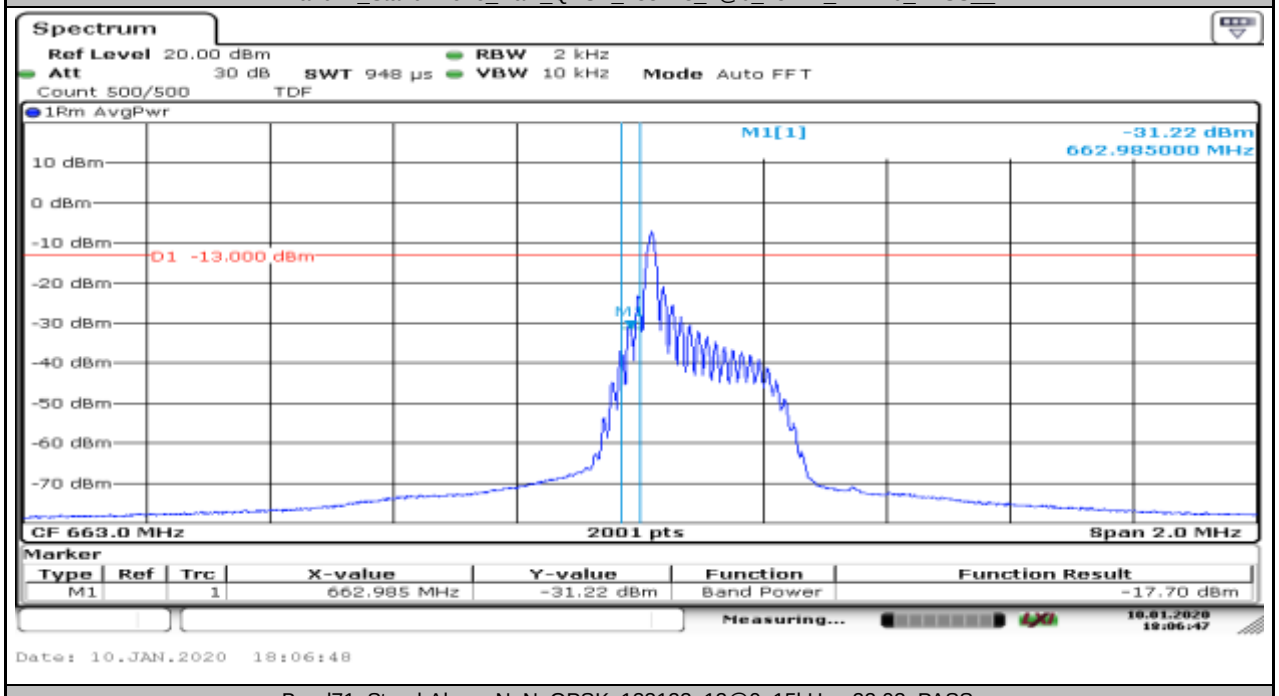
Band71_Stand-Alone_NaN_QPSK_133123_1@11_15kHz_-30.71_PASS__



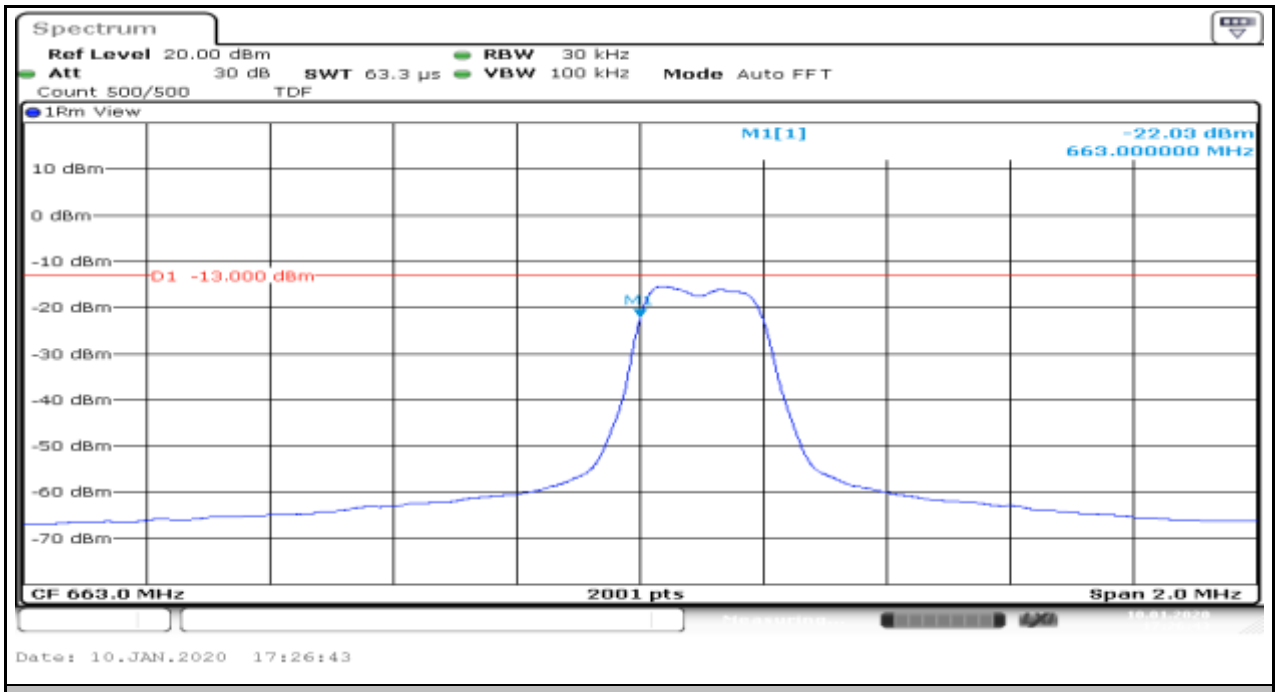
Band71_Stand-Alone_NaN_QPSK_133123_1@0_3.75kHz_-18.26_PASS__



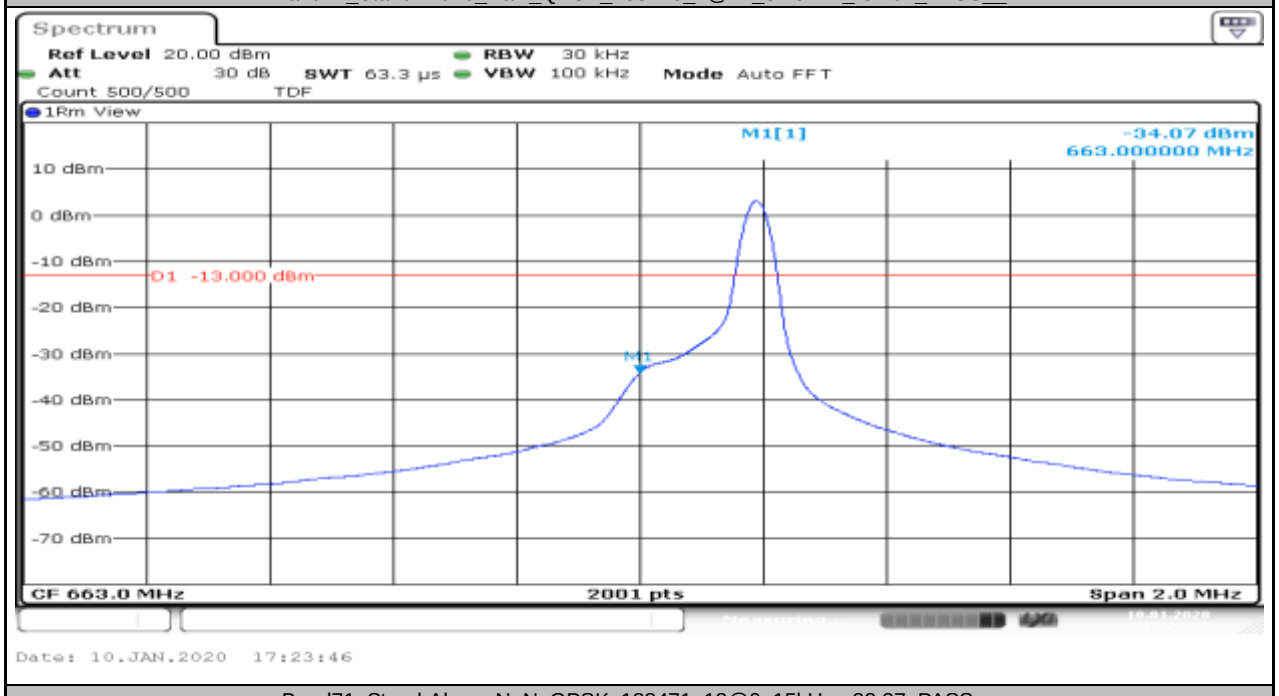
Band71_Stand-Alone_NaN_QPSK_133123_1@0_15kHz_-17.70_PASS__



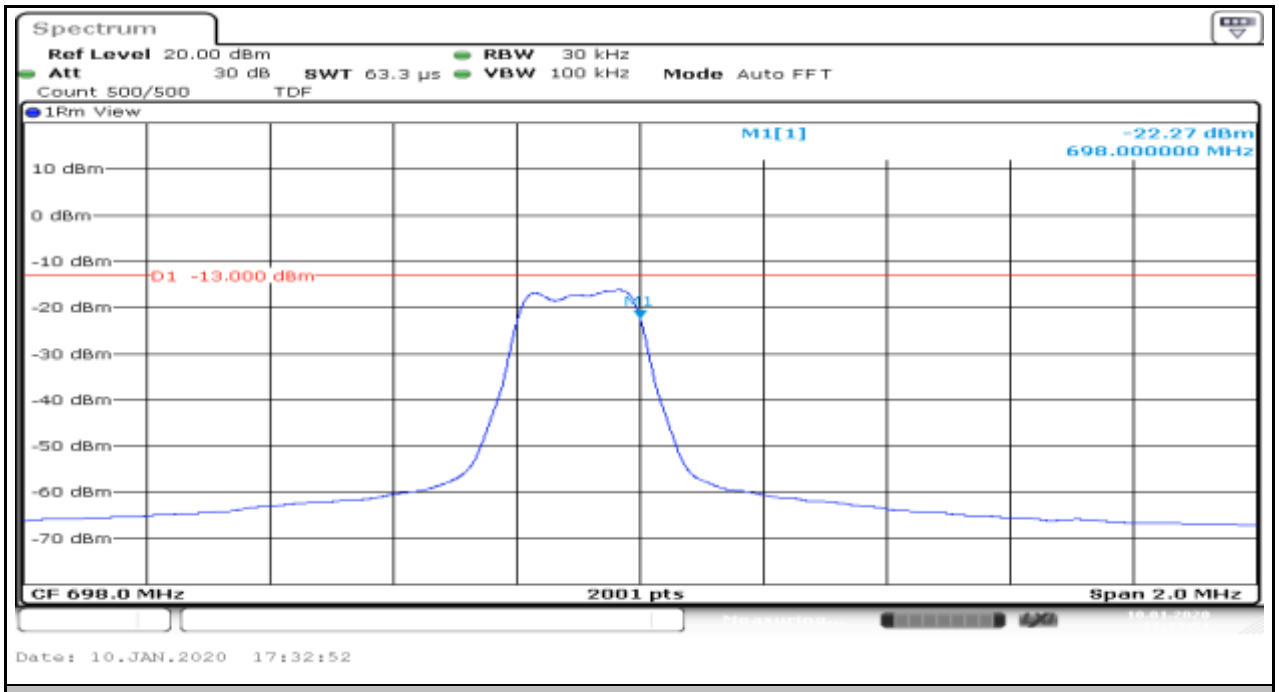
Band71_Stand-Alone_NaN_QPSK_133123_12@0_15kHz_-22.03_PASS__



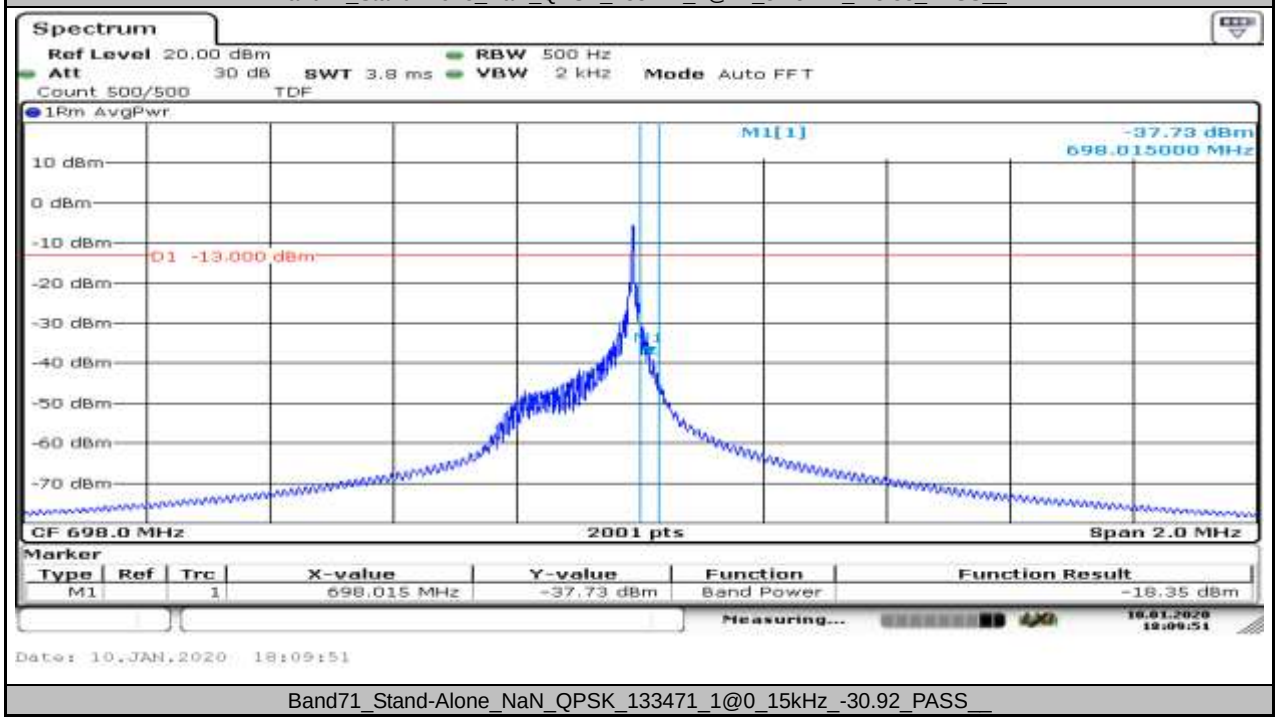
Band71_Stand-Alone_NaN_QPSK_133123_1@47_3.75kHz_-34.07_PASS__



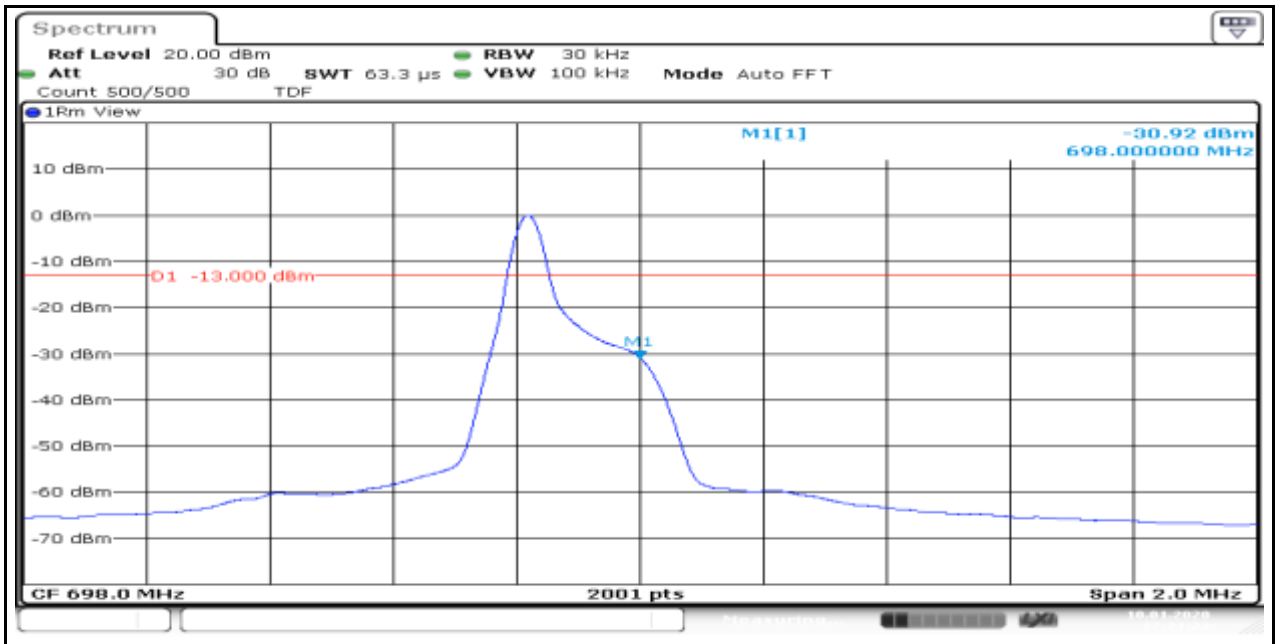
Band71_Stand-Alone_NaN_QPSK_133471_12@0_15kHz_-22.27_PASS__



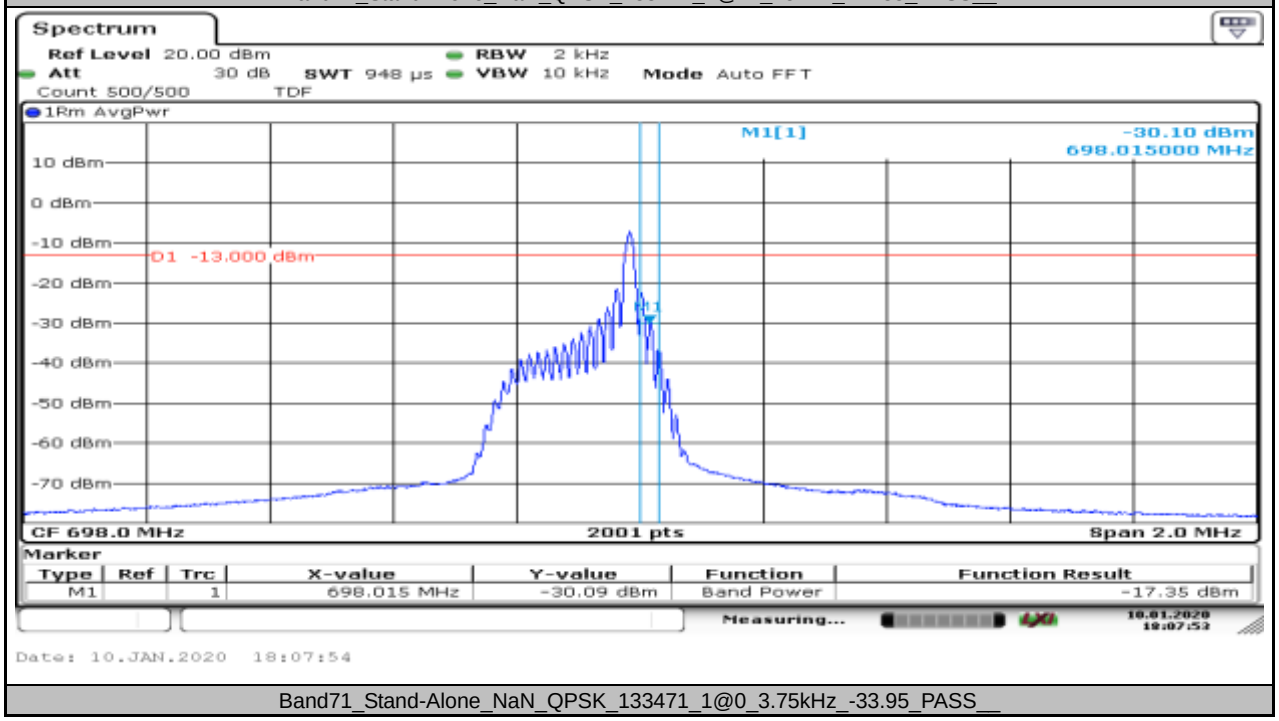
Band71_Stand-Alone_NaN_QPSK_133471_1@47_3.75kHz_-18.35_PASS__



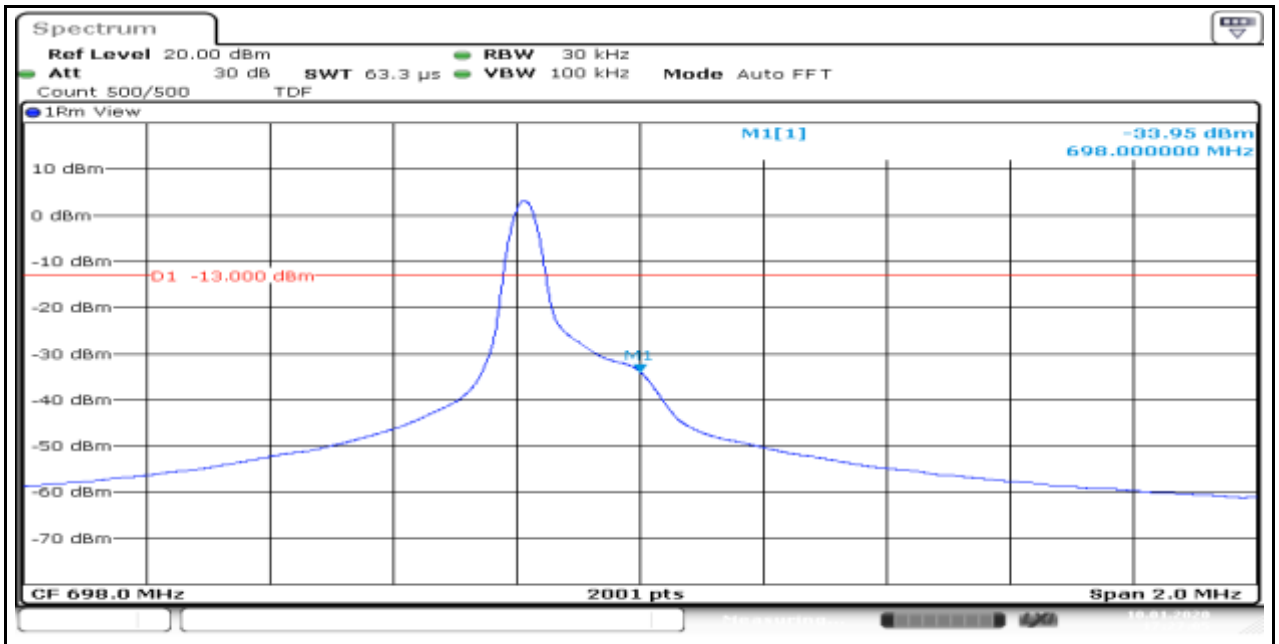
Band71_Stand-Alone_NaN_QPSK_133471_1@0_15kHz_-30.92_PASS__



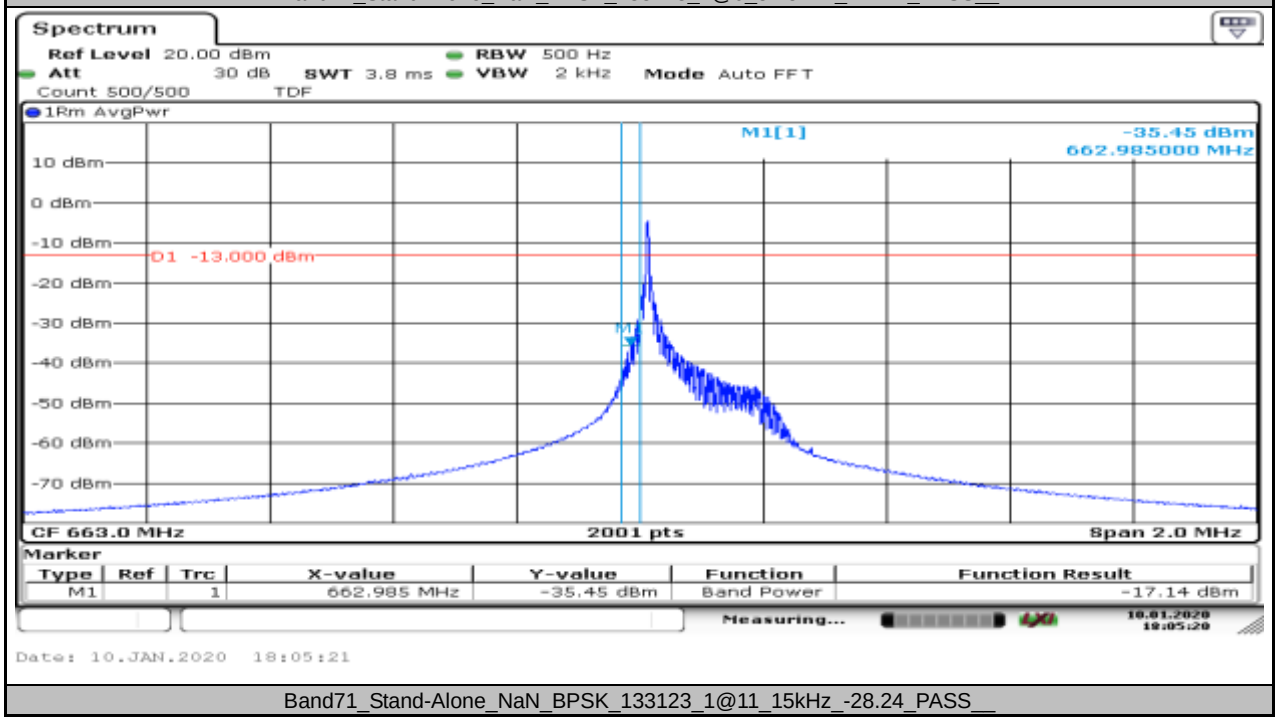
Band71_Stand-Alone_NaN_QPSK_133471_1@11_15kHz_-17.35_PASS__



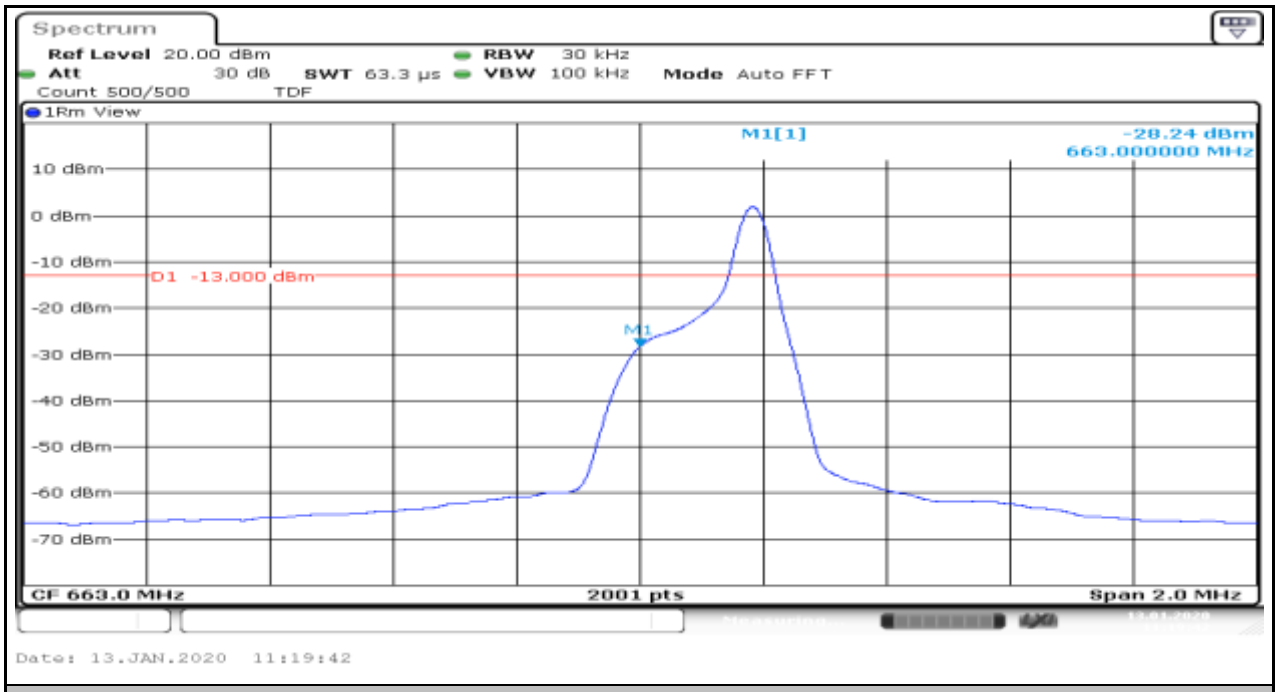
Band71_Stand-Alone_NaN_QPSK_133471_1@0_3.75kHz_-33.95_PASS__



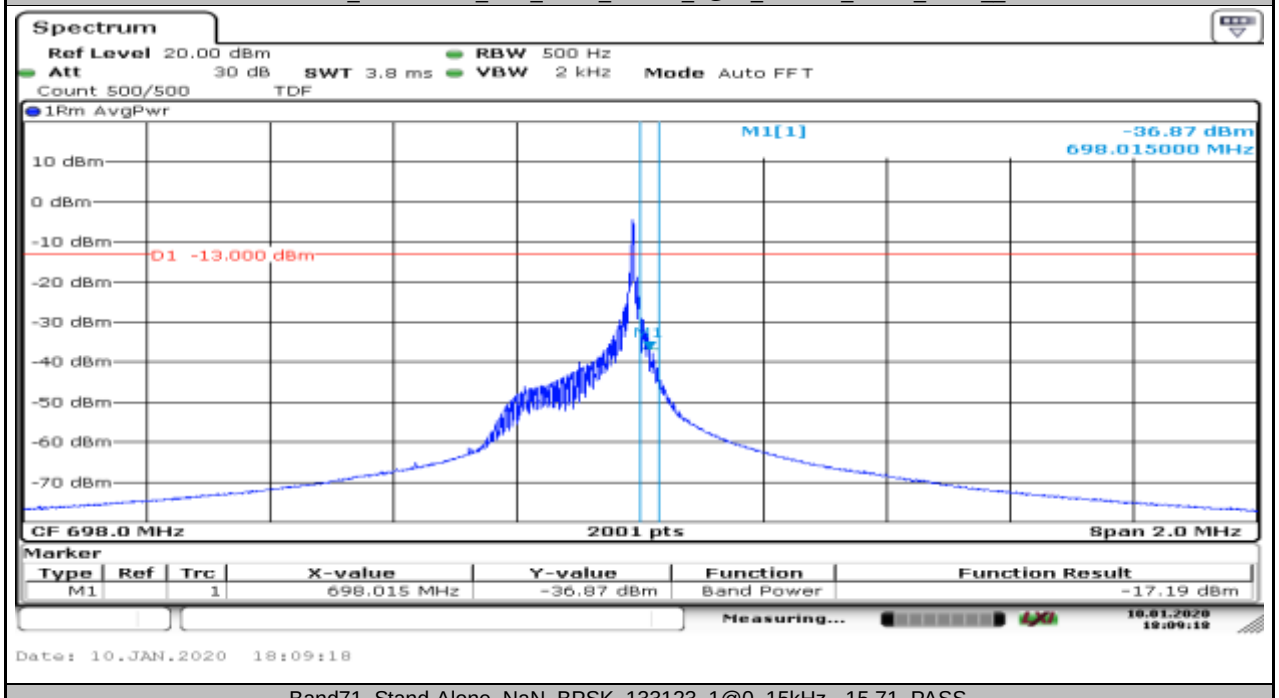
Band71_Stand-Alone_NaN_BPSK_133123_1@0_3.75kHz_-17.14_PASS__



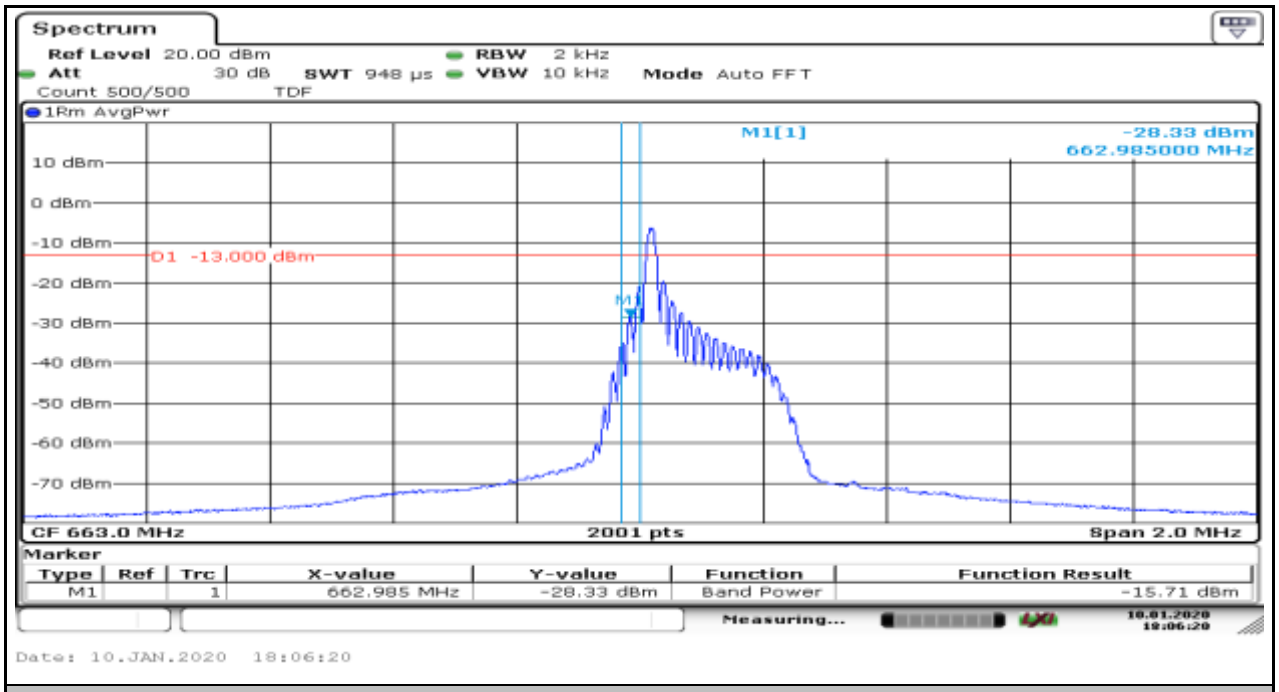
Band71_Stand-Alone_NaN_BPSK_133123_1@11_15kHz_-28.24_PASS__



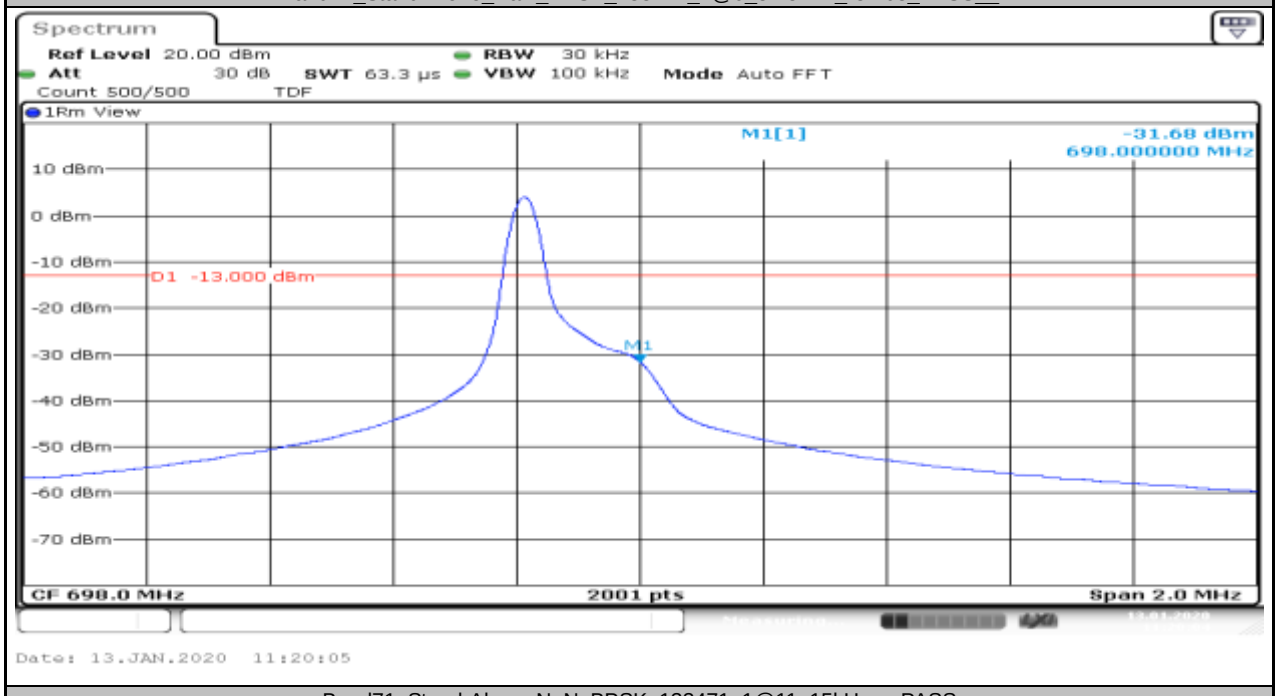
Band71_Stand-Alone_NaN_BPSK_133123_1@47_3.75kHz_-17.19_PASS__



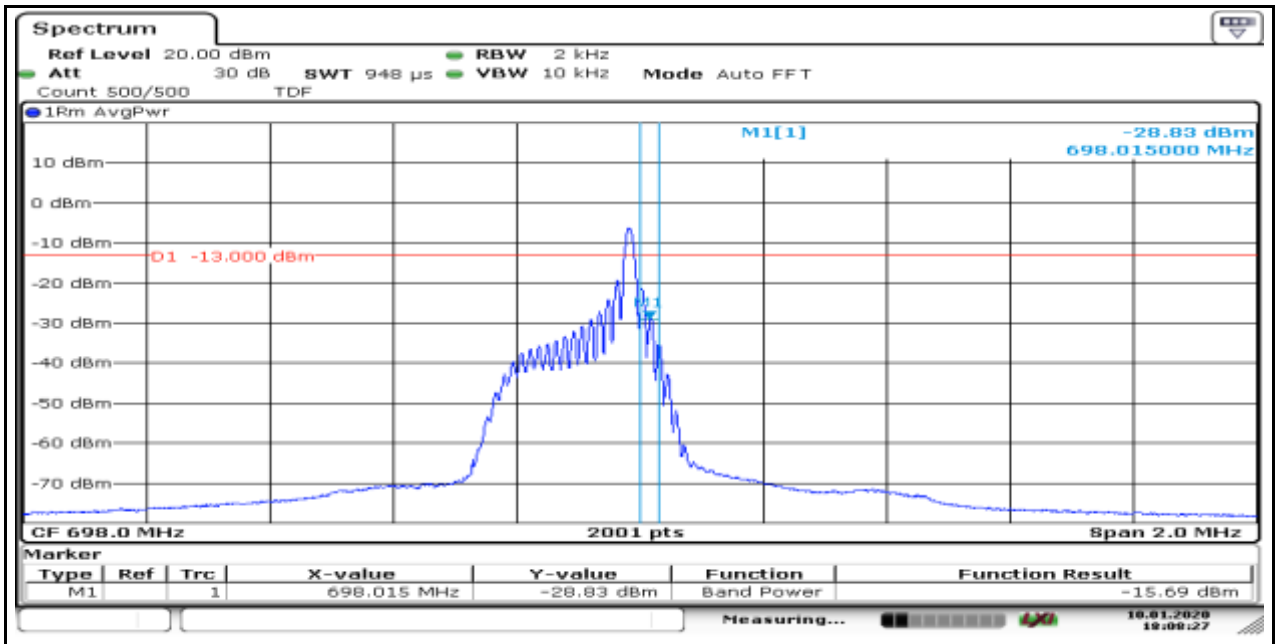
Band71_Stand-Alone_NaN_BPSK_133123_1@0_15kHz_-15.71_PASS__



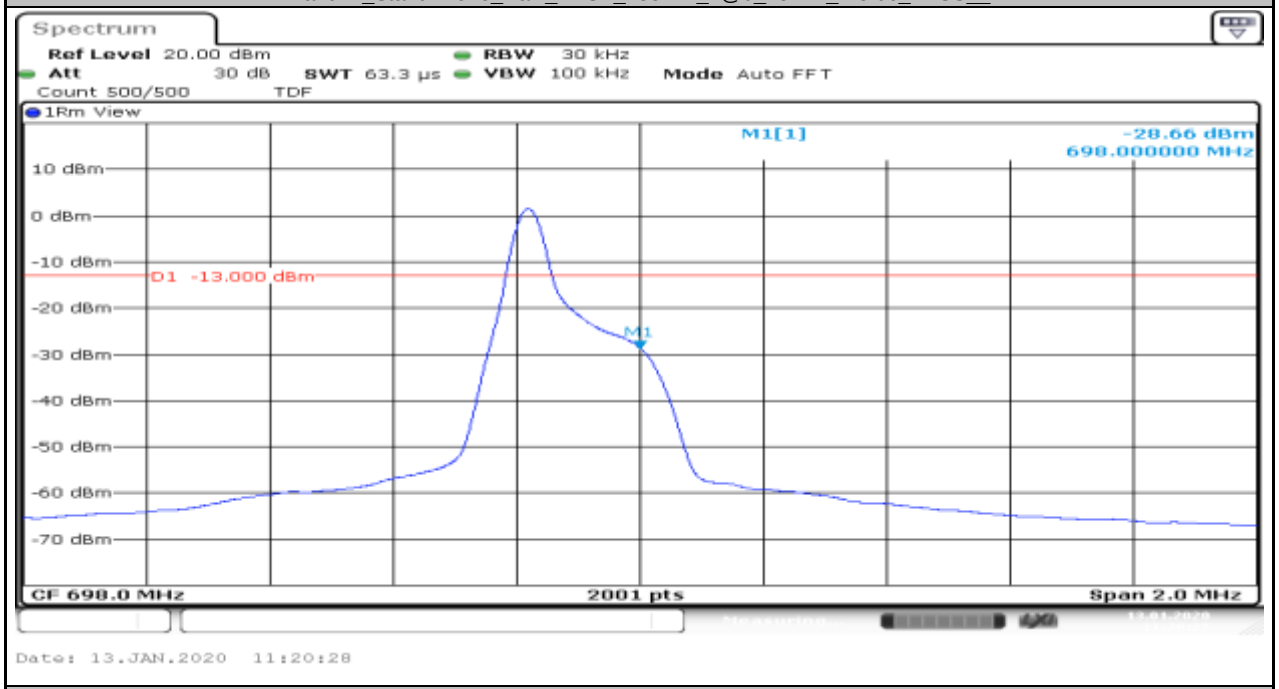
Band71_Stand-Alone_NaN_BPSK_133471_1@0_3.75kHz_-31.68_PASS__



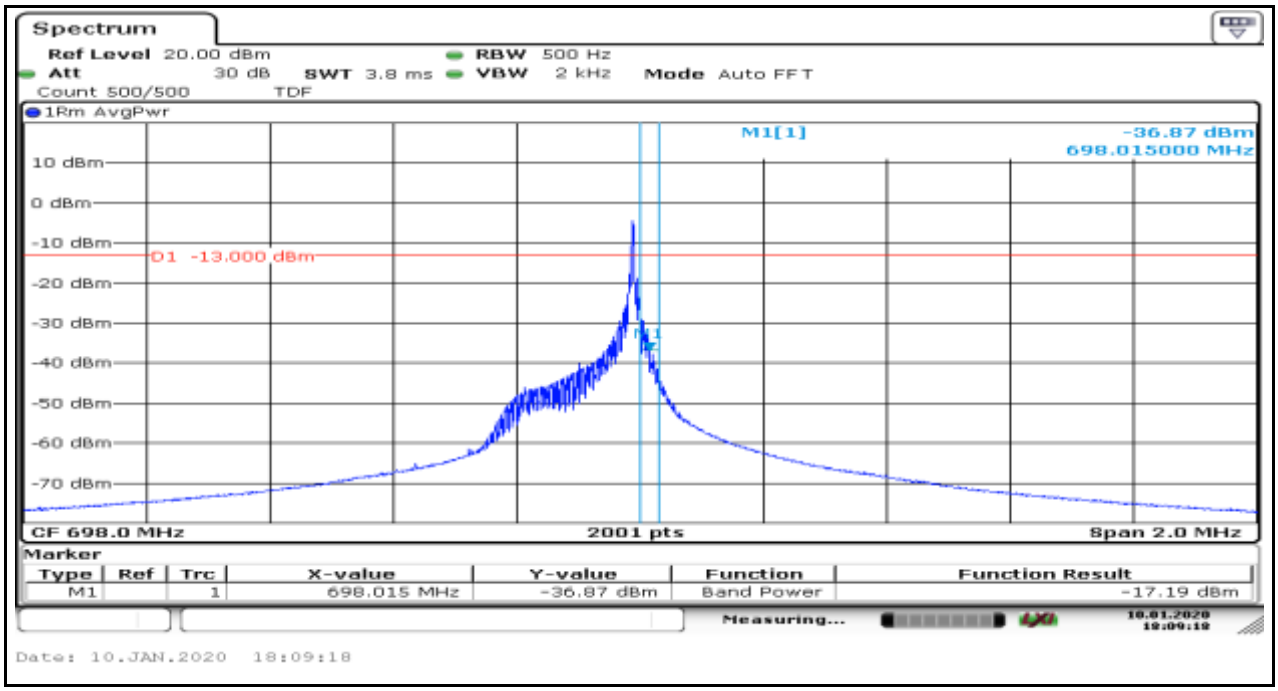
Band71_Stand-Alone_NaN_BPSK_133471_1@11_15kHz_-_PASS



Band71_Stand-Alone_NaN_BPSK_133471_1@0_15kHz_-28.66_PASS__



Band71_Stand-Alone_NaN_BPSK_133471_1@47_3.75kHz_-17.19_PASS__


Spectrum
Ref Level 20.00 dBm
RBW 500 Hz
Att 30 dB
SWT 3.8 ms
VBW 2 kHz
Mode Auto FFT
Count 500/500
TDF
1Rm AvgPwr
M1[1]
-36.87 dBm
698.015000 MHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 698.0 MHz
2001 pts
Span 2.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 698.015 MHz -36.87 dBm Band Power -17.19 dBm
Measuring...
Date: 10.JAN.2020 18:09:18

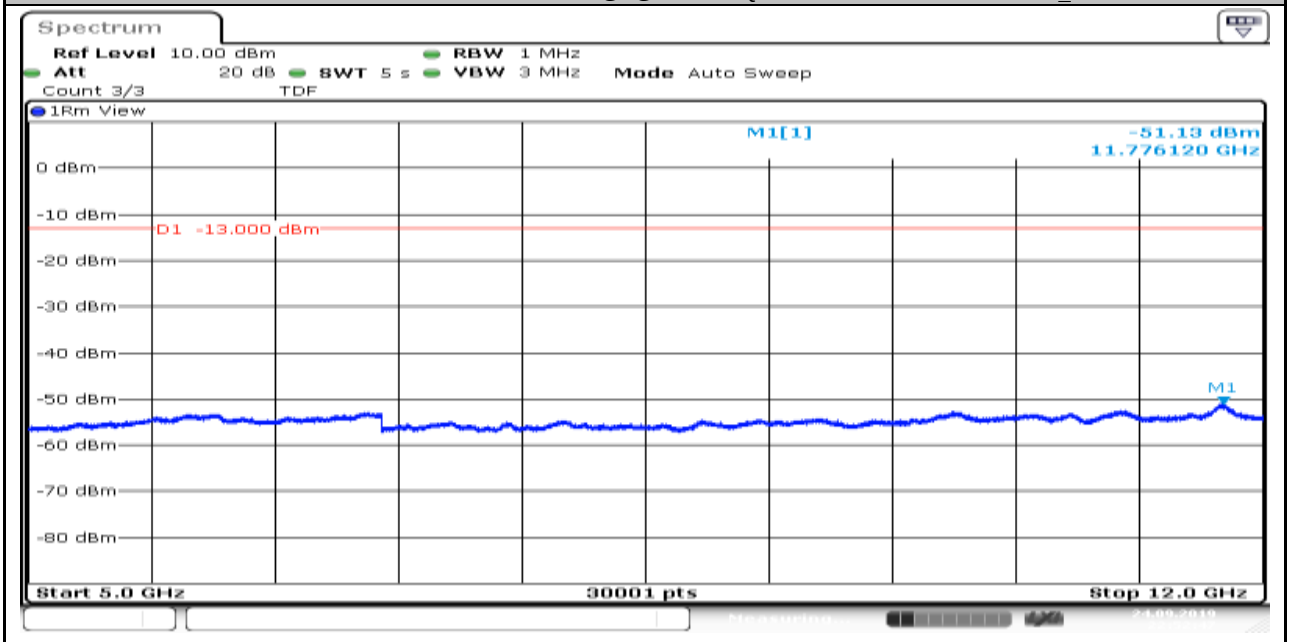
Appendix J.5: Conducted Spurious Emission for NB
Test Result

Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
Band71	Stand-Alone	NaN	QPSK	133123	1@0	3.75kHz	5000	12000	5000~12000MHz@-51.13dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133123	1@0	3.75kHz	12000	26500	12000~26500MHz@-45.92dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133123	1@0	3.75kHz	30	1000	30~1000MHz@-37.13dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133123	1@47	3.75kHz	30	1000	30~1000MHz@-36.37dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133123	1@47	3.75kHz	1000	5000	1000~5000MHz@-38.28dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133123	1@47	3.75kHz	5000	12000	5000~12000MHz@-51.19dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133123	1@47	3.75kHz	12000	26500	12000~26500MHz@-46dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133123	1@0	3.75kHz	1000	5000	1000~5000MHz@-37.67dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133123	12@0	15kHz	12000	26500	12000~26500MHz@-45.57dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133123	12@0	15kHz	5000	12000	5000~12000MHz@-50.95dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133123	12@0	15kHz	1000	5000	1000~5000MHz@-38.51dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133123	12@0	15kHz	30	1000	30~1000MHz@-37.23dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	5000	12000	5000~12000MHz@-51.04dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133297	12@0	15kHz	1000	5000	1000~5000MHz@-40.24dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	12000	26500	12000~26500MHz@-45.91dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	5000	12000	5000~12000MHz@-50.93dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	1000	5000	1000~5000MHz@-39.51dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133297	12@0	15kHz	12000	26500	12000~26500MHz@-45.99dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	12000	26500	12000~26500MHz@-45.99dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133297	12@0	15kHz	5000	12000	5000~12000MHz@-51.07dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	1000	5000	1000~5000MHz@-39.62dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	30	1000	30~1000MHz@-36.87dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	30	1000	30~1000MHz@-37.13dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133297	12@0	15kHz	30	1000	30~1000MHz@-36.75dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@0	3.75kHz	12000	26500	12000~26500MHz@-45.96dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@0	3.75kHz	30	1000	30~1000MHz@-36.65dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@0	3.75kHz	5000	12000	5000~12000MHz@-51dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@47	3.75kHz	30	1000	30~1000MHz@-36.07dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@47	3.75kHz	1000	5000	1000~5000MHz@-40.29dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@47	3.75kHz	5000	12000	5000~12000MHz@-51.1dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@47	3.75kHz	12000	26500	12000~26500MHz@-45.89dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133471	12@0	15kHz	30	1000	30~1000MHz@-37.05dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133471	1@0	3.75kHz	1000	5000	1000~5000MHz@-40.29dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133471	12@0	15kHz	12000	26500	12000~26500MHz@-45.73dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133471	12@0	15kHz	5000	12000	5000~12000MHz@-51.18dBm	-13	PASS
Band71	Stand-Alone	NaN	QPSK	133471	12@0	15kHz	1000	5000	1000~5000MHz@-40.36dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@0	15kHz	12000	26500	12000~26500MHz@-45.84dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@0	15kHz	1000	5000	1000~5000MHz@-40.22dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@0	15kHz	5000	12000	5000~12000MHz@-51.1dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@11	15kHz	12000	26500	12000~26500MHz@-45.84dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@11	15kHz	5000	12000	5000~12000MHz@-51.17dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@11	15kHz	1000	5000	1000~5000MHz@-37.8dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@11	15kHz	30	1000	30~1000MHz@-36.16dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133123	1@0	15kHz	30	1000	30~1000MHz@-36.57dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@0	15kHz	30	1000	30~1000MHz@-37.06dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@11	15kHz	12000	26500	12000~26500MHz@-45.54dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@11	15kHz	1000	5000	1000~5000MHz@-39.17dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@11	15kHz	5000	12000	5000~12000MHz@-51dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@11	15kHz	30	1000	30~1000MHz@-35.8dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@0	15kHz	12000	26500	12000~26500MHz@-45.63dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@0	15kHz	1000	5000	1000~5000MHz@-38.87dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133297	1@0	15kHz	5000	12000	5000~12000MHz@-51.03dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@11	15kHz	12000	26500	12000~26500MHz@-45.77dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@0	15kHz	30	1000	30~1000MHz@-36.48dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@0	15kHz	1000	5000	1000~5000MHz@-40.3dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@0	15kHz	5000	12000	5000~12000MHz@-51.03dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@0	15kHz	12000	26500	12000~26500MHz@-45.86dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@11	15kHz	30	1000	30~1000MHz@-34.31dBm	-13	PASS

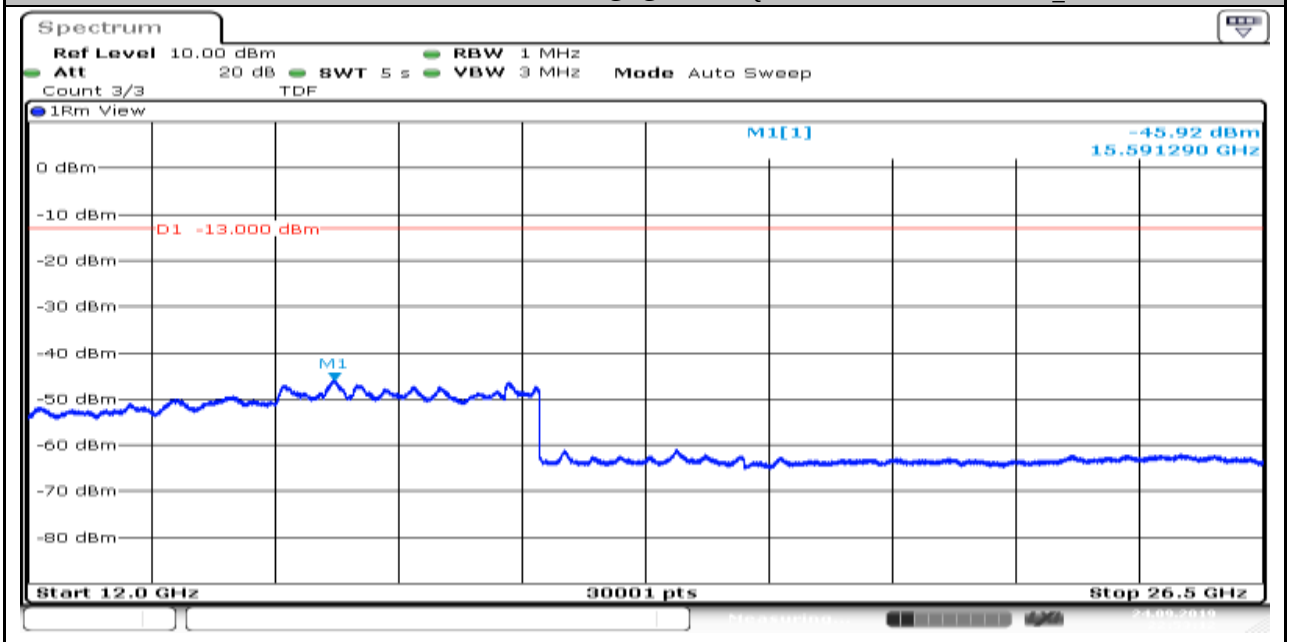
Band71	Stand-Alone	NaN	BPSK	133471	1@11	15kHz	1000	5000	1000~5000MHz@-40.22dBm	-13	PASS
Band71	Stand-Alone	NaN	BPSK	133471	1@11	15kHz	5000	12000	5000~12000MHz@-51.08dBm	-13	PASS

Test Graphs

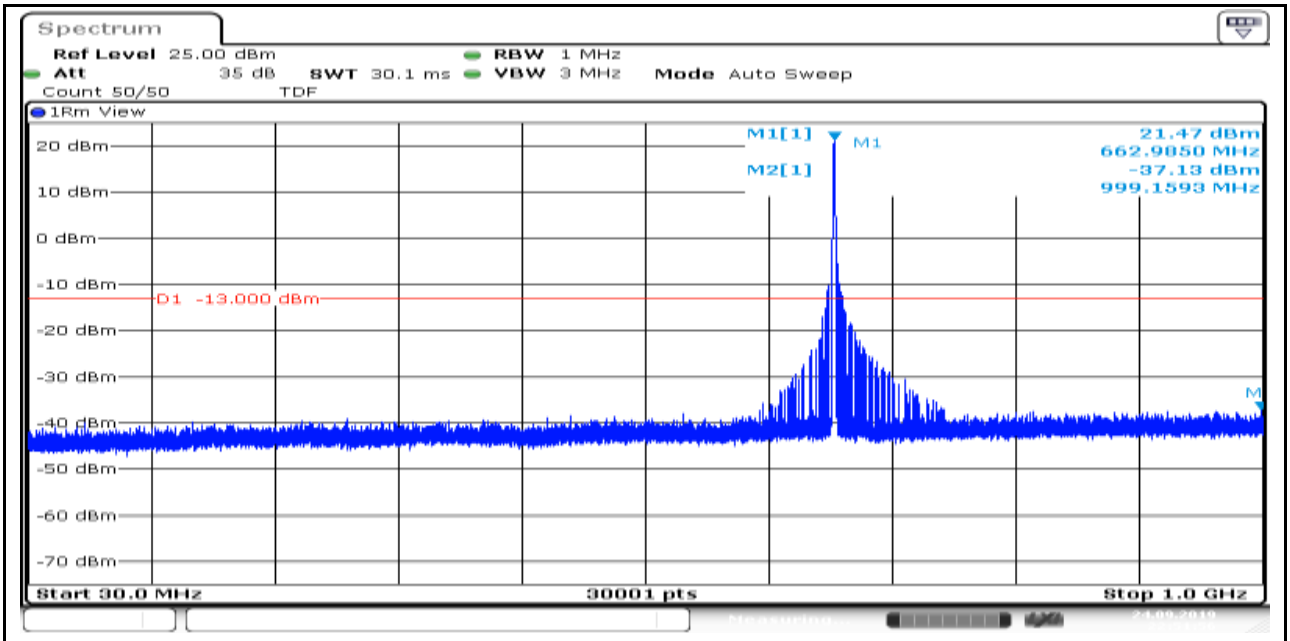
Band71_Stand-Alone_NaN_QPSK_133123_1@0_3.75kHz_5000_12000_5000~12000MHz@-51.13dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-1@0@3.75kHz-QPSK-NTNV-2019924214440.Gif_



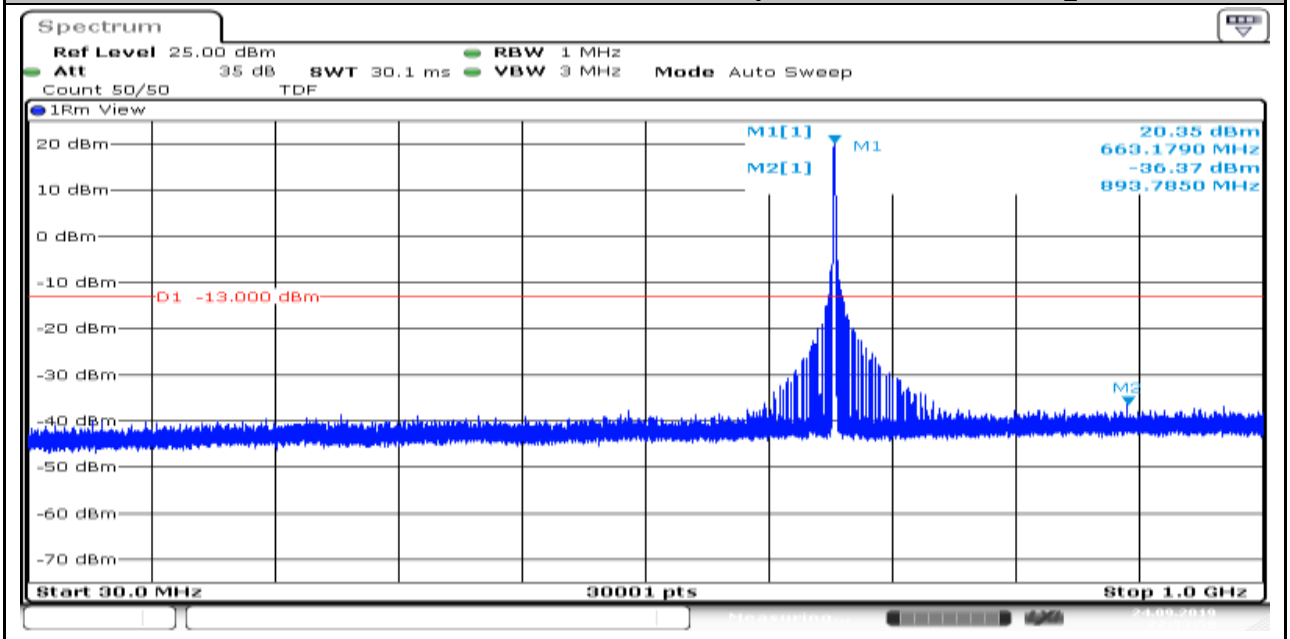
Band71_Stand-Alone_NaN_QPSK_133123_1@0_3.75kHz_12000_26500_12000~26500MHz@-45.92dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-1@0@3.75kHz-QPSK-NTNV-201992421455.Gif_



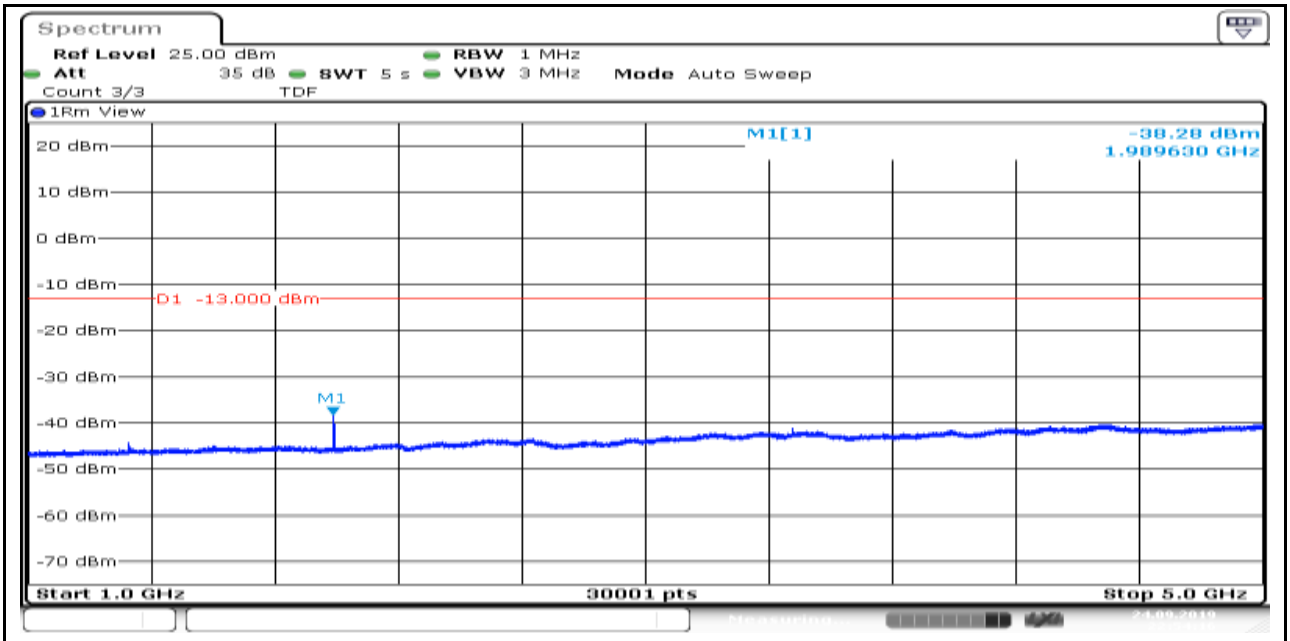
Band71_Stand-Alone_NaN_QPSK_133123_1@0_3.75kHz_30_1000_30~1000MHz@-37.13dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-1@0@3.75kHz-QPSK-NTNV-2019924214349.Gif_



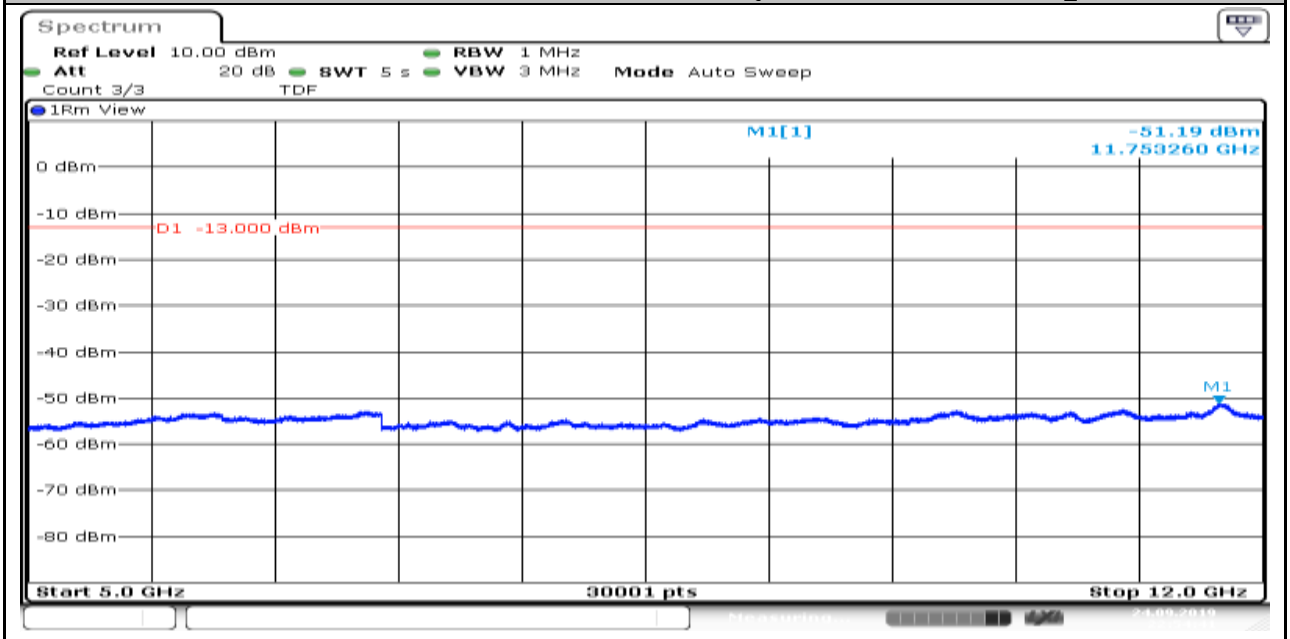
Band71_Stand-Alone_NaN_QPSK_133123_1@47_3.75kHz_30_1000_30~1000MHz@-36.37dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-1@47@3.75kHz-QPSK-NTNV-2019924214542.Gif_



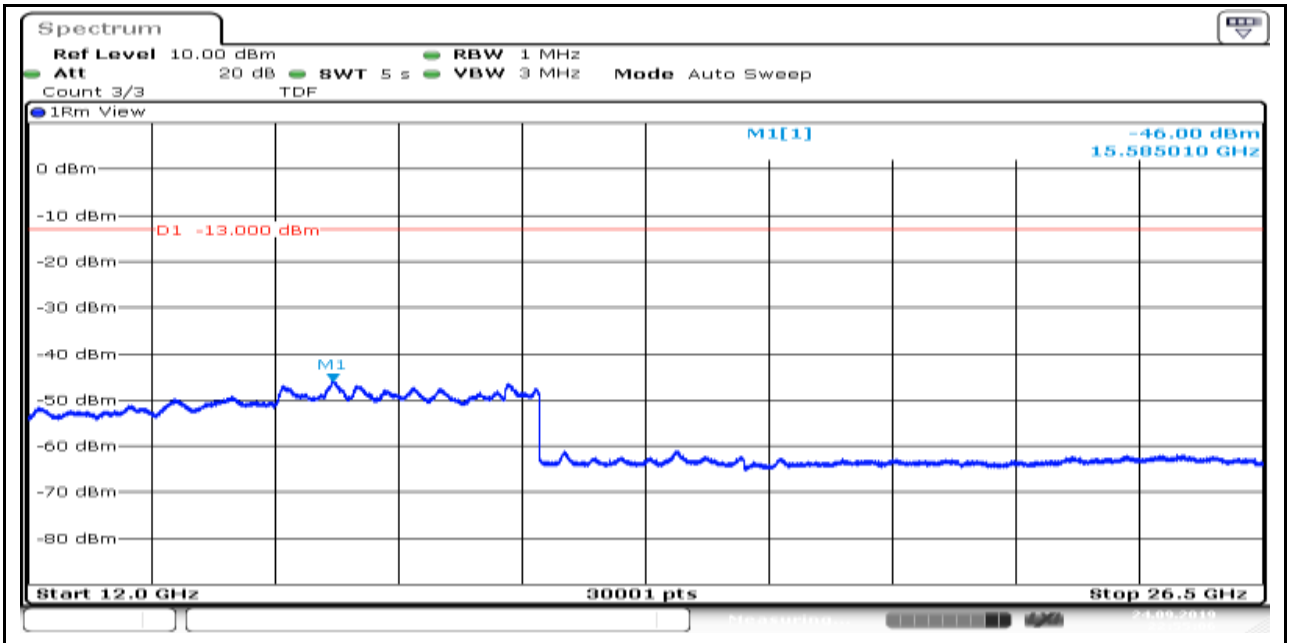
Band71_Stand-Alone_NaN_QPSK_133123_1@47_3.75kHz_1000_5000_1000~5000MHz@-38.28dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-1@47@3.75kHz-QPSK-NTNV-201992421469.Gif_



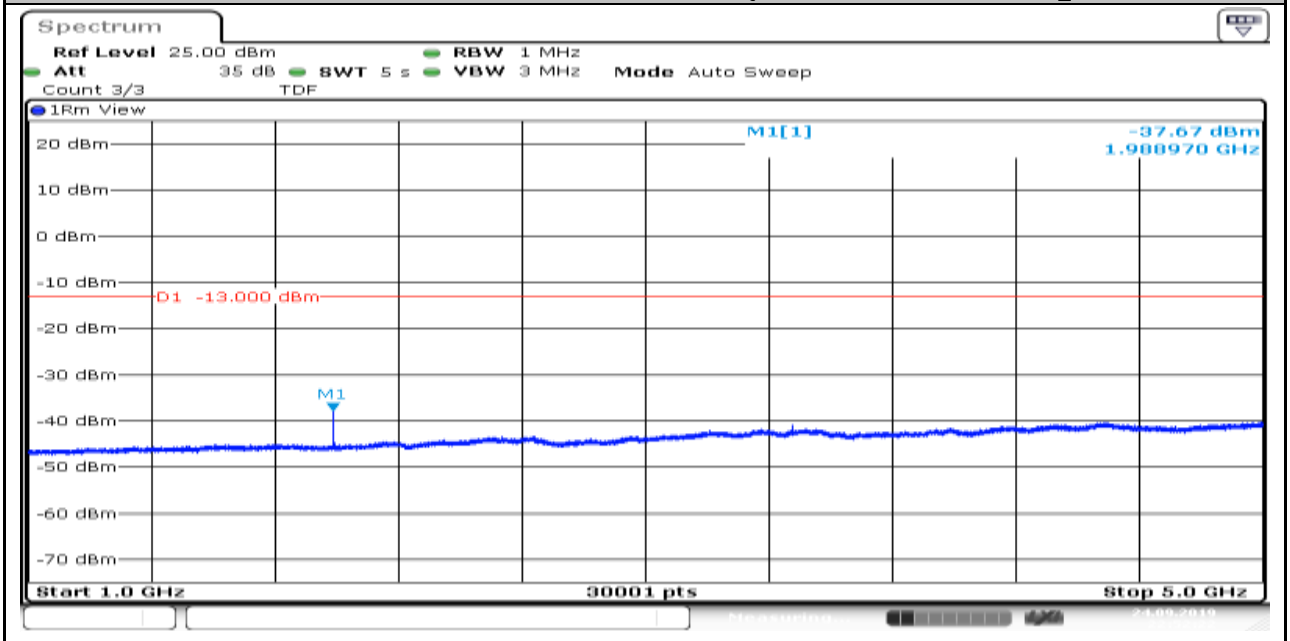
Band71_Stand-Alone_NaN_QPSK_133123_1@47_3.75kHz_5000_12000_5000~12000MHz@-51.19dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-1@47@3.75kHz-QPSK-NTNV-2019924214634.Gif_



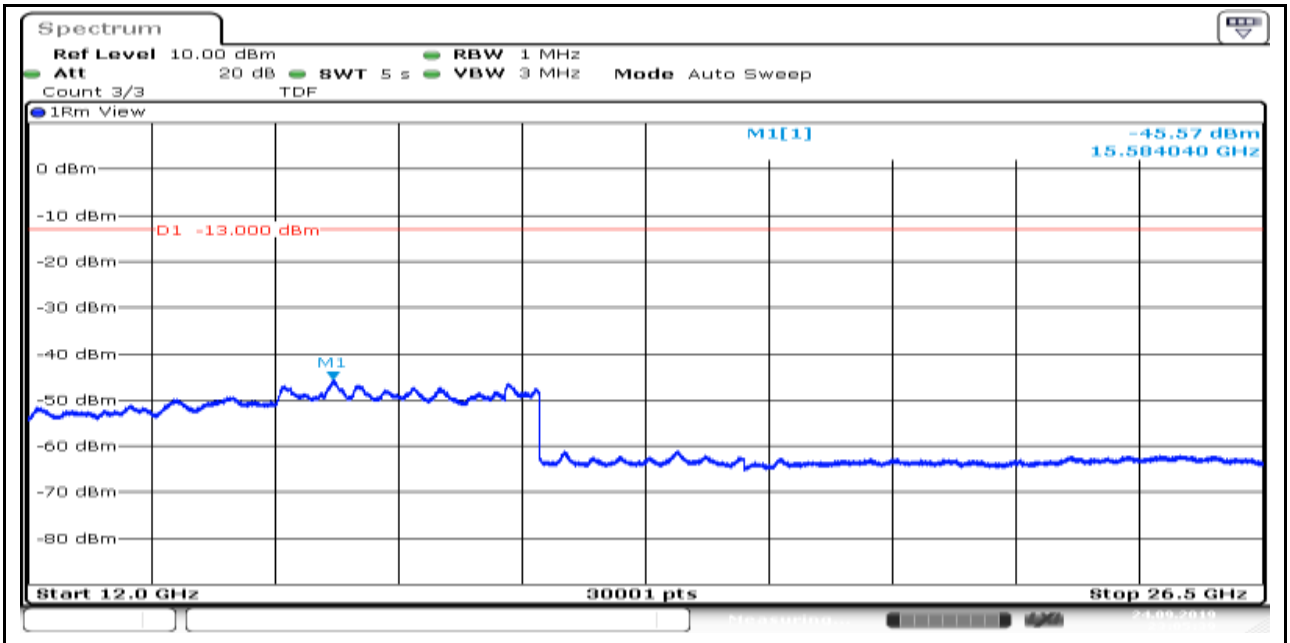
Band71_Stand-Alone_NaN_QPSK_133123_1@47_3.75kHz_12000_26500_12000~26500MHz@-46dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-1@47@3.75kHz-QPSK-NTNV-2019924214659.Gif_



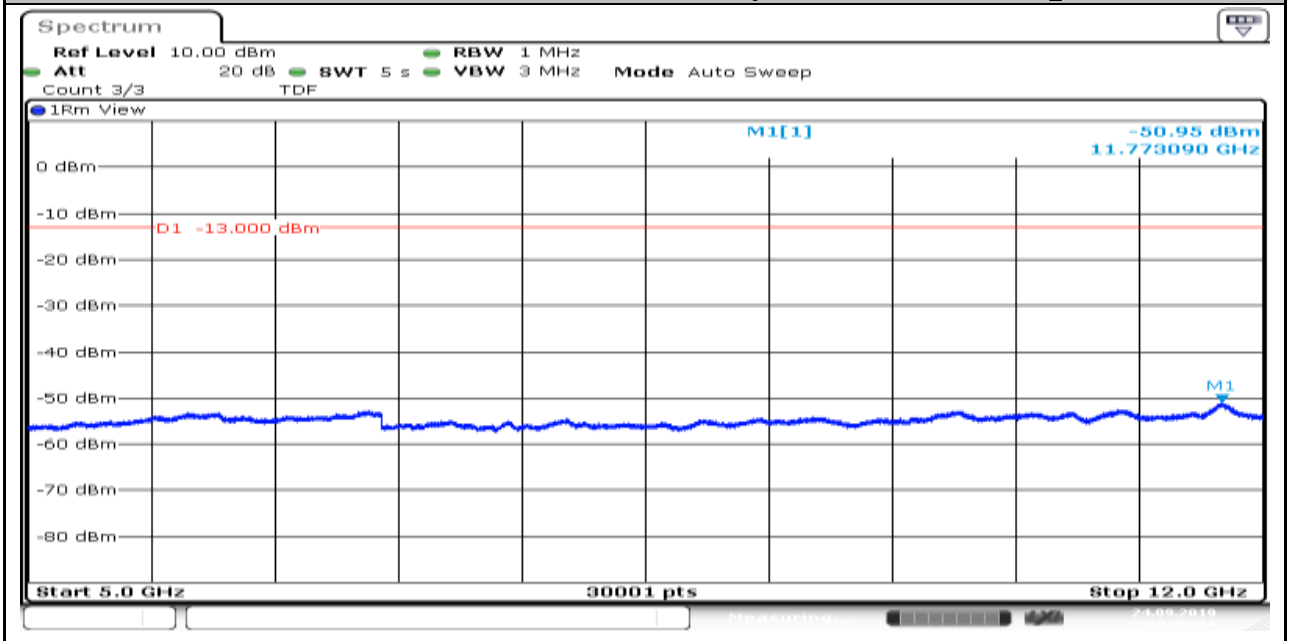
Band71_Stand-Alone_NaN_QPSK_133123_1@0_3.75kHz_1000_5000_1000~5000MHz@-37.67dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-1@0@3.75kHz-QPSK-NTNV-2019924214415.Gif_



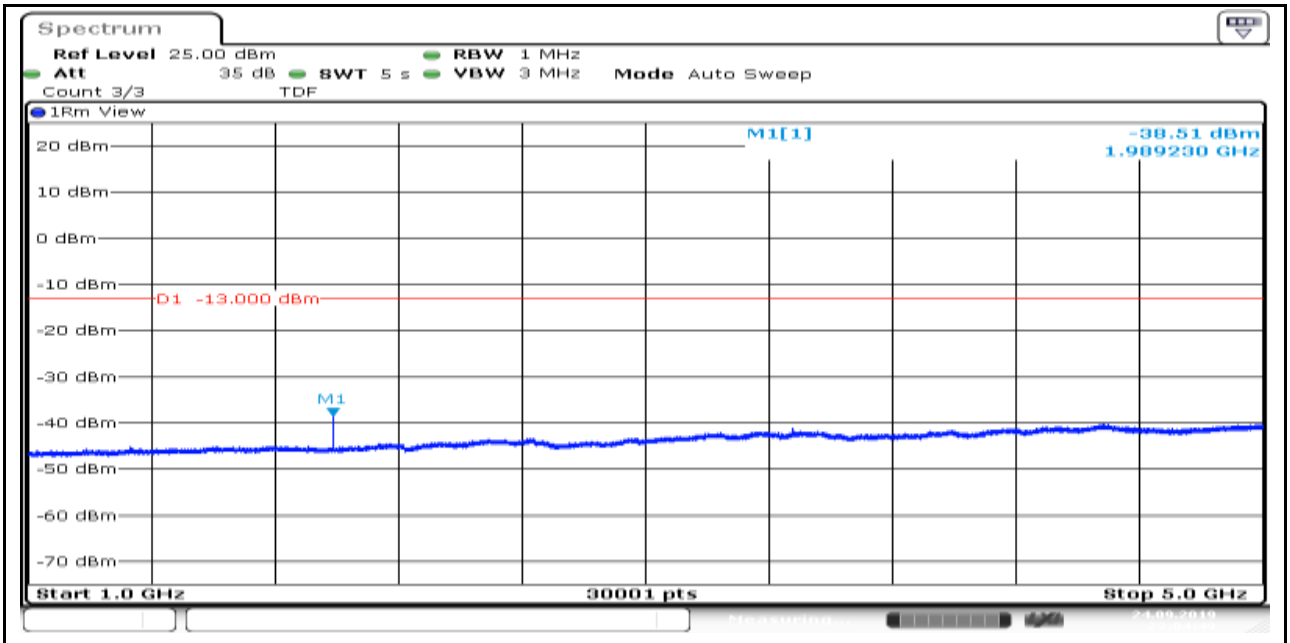
Band71_Stand-Alone_NaN_QPSK_133123_12@0_15kHz_12000_26500_12000~26500MHz@-45.57dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-12@0@15kHz-QPSK-NTNV-2019924215732.Gif_



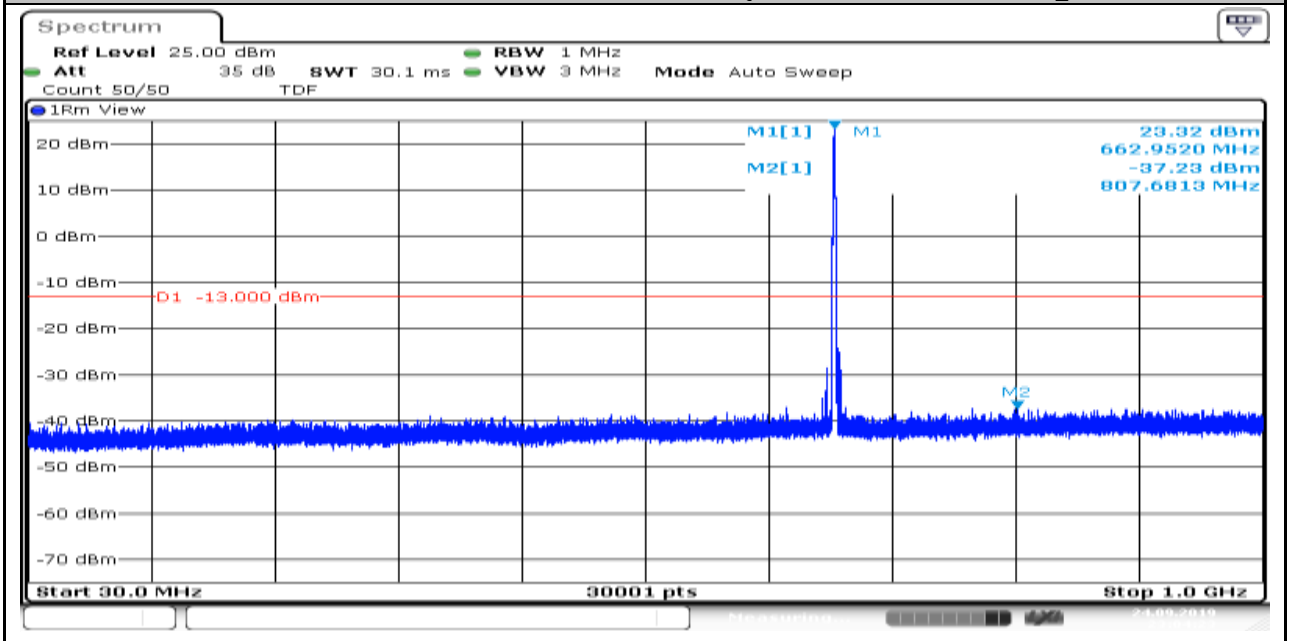
Band71_Stand-Alone_NaN_QPSK_133123_12@0_15kHz_5000_12000_5000~12000MHz@-50.95dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-12@0@15kHz-QPSK-NTNV-201992421577.Gif_



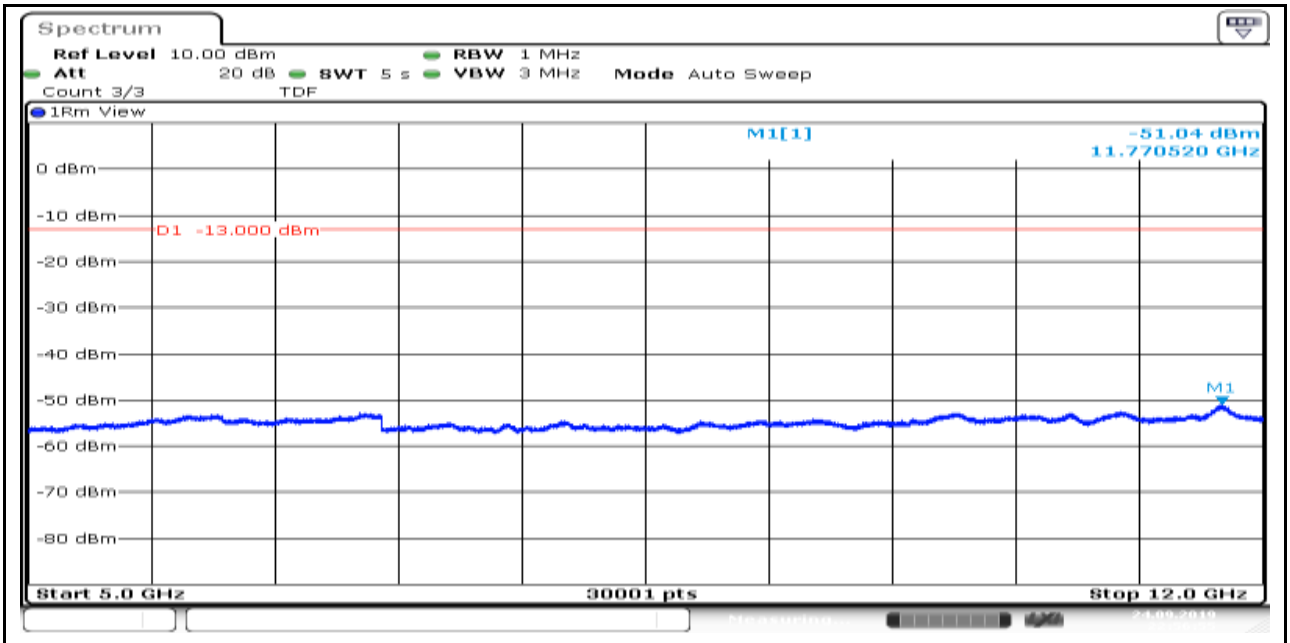
Band71_Stand-Alone_NaN_QPSK_133123_12@0_15kHz_1000_5000_1000~5000MHz@-38.51dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-12@0@15kHz-QPSK-NTNV-2019924215642.Gif_



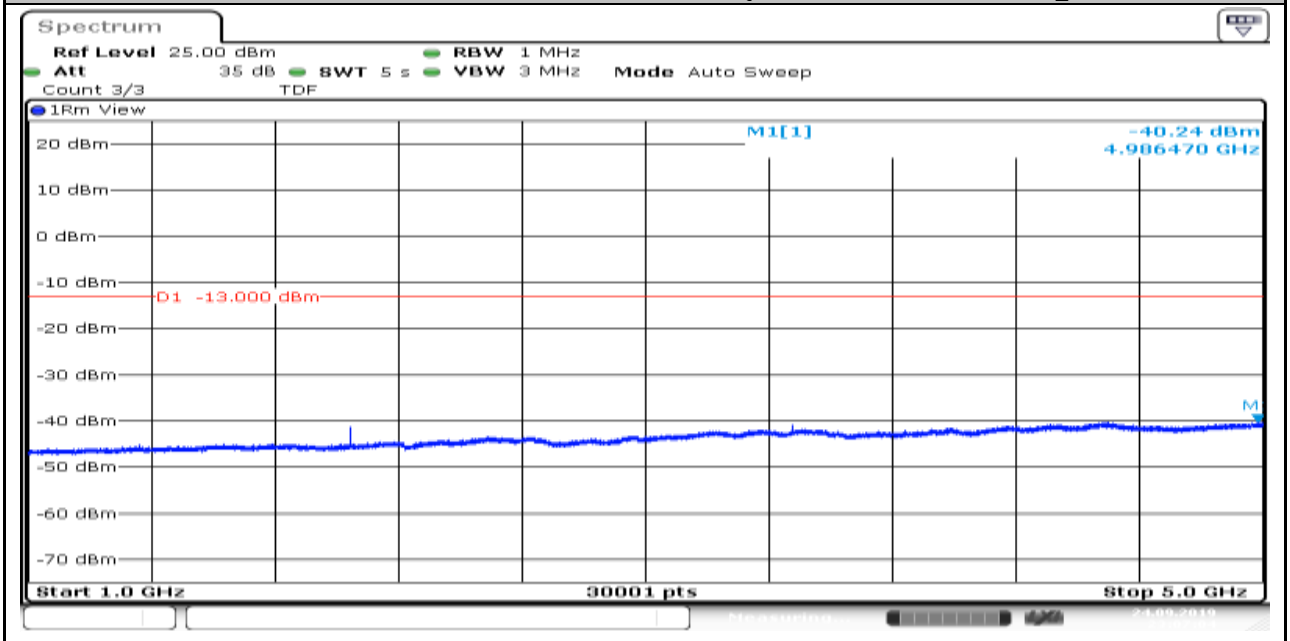
Band71_Stand-Alone_NaN_QPSK_133123_12@0_15kHz_30_1000_30~1000MHz@-37.23dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-12@0@15kHz-QPSK-NTNV-2019924215616.Gif_



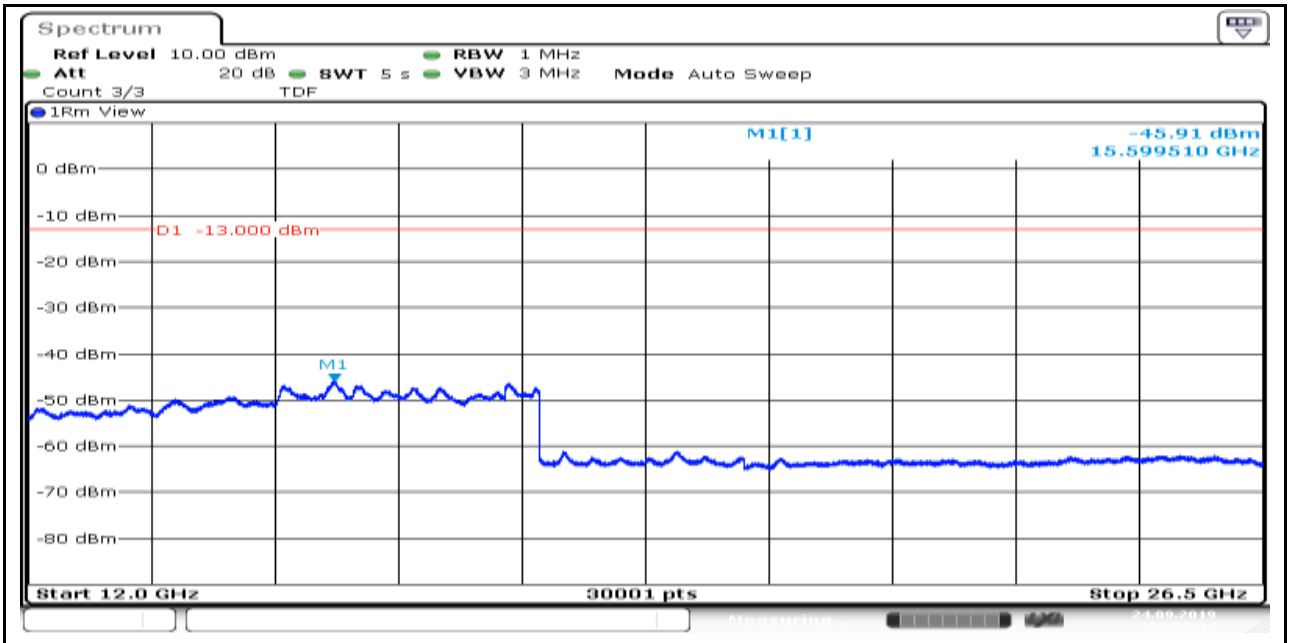
Band71_Stand-Alone_NaN_QPSK_133297_1@0_3.75kHz_5000_12000_5000~12000MHz@-51.04dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-1@0@3.75kHz-QPSK-NTNV-2019924214848.Gif_



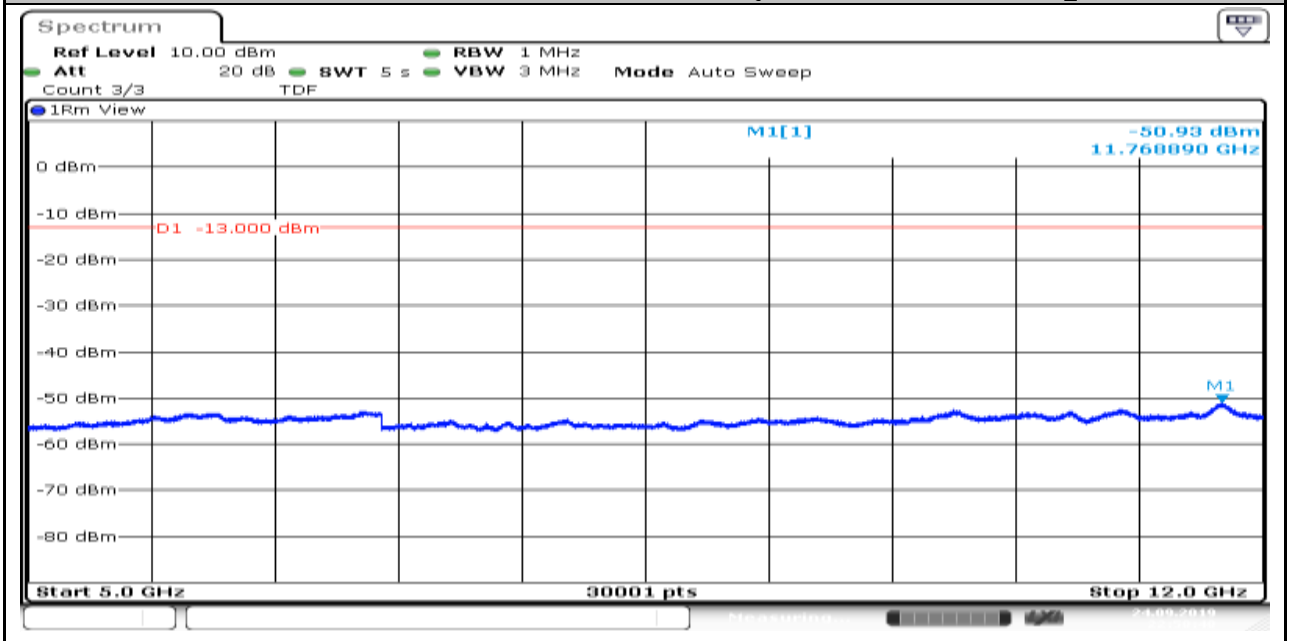
Band71_Stand-Alone_NaN_QPSK_133297_12@0_15kHz_1000_5000_1000~5000MHz@-40.24dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-12@0@15kHz-QPSK-NTNV-2019924215857.Gif_



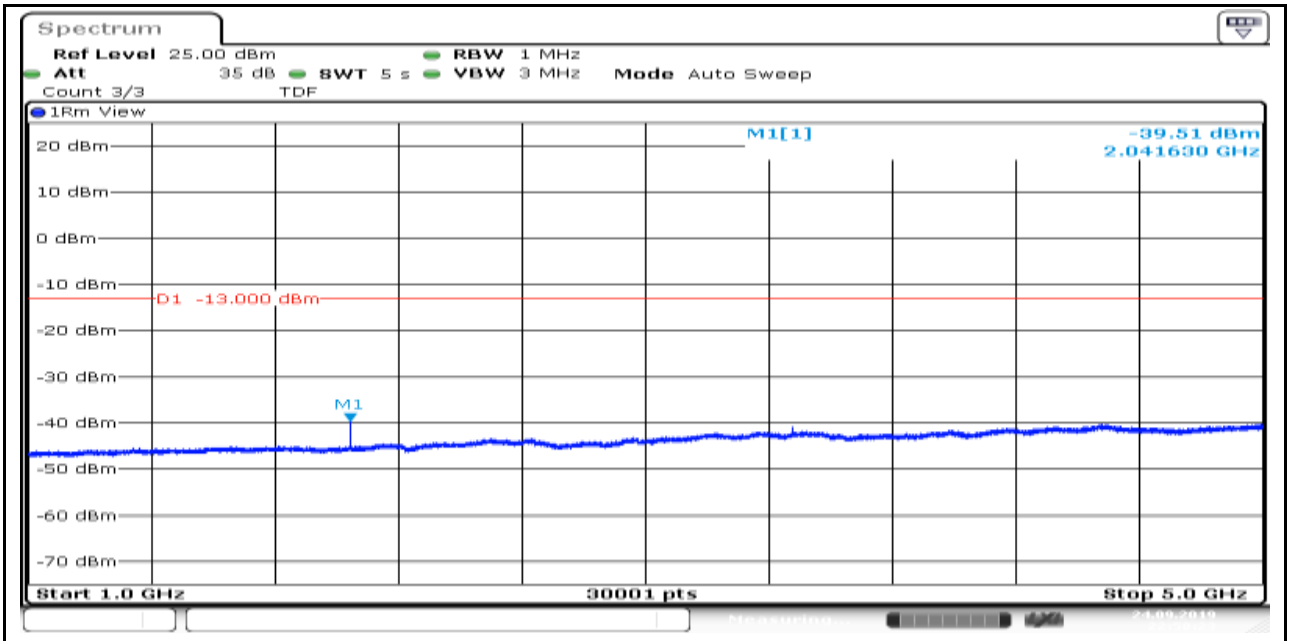
Band71_Stand-Alone_NaN_QPSK_133297_1@47_3.75kHz_12000_26500_12000~26500MHz@-45.91dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-1@47@3.75kHz-QPSK-NTNV-201992421516.Gif_



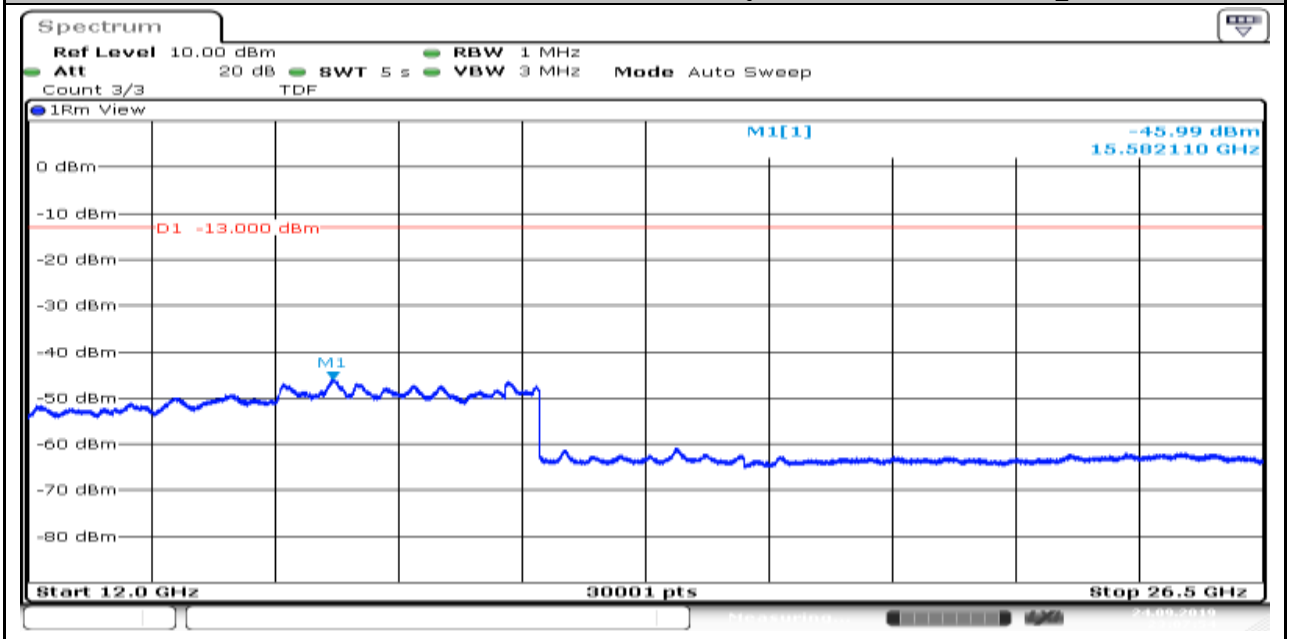
Band71_Stand-Alone_NaN_QPSK_133297_1@47_3.75kHz_5000_12000_5000~12000MHz@-50.93dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-1@47@3.75kHz-QPSK-NTNV-2019924215041.Gif_



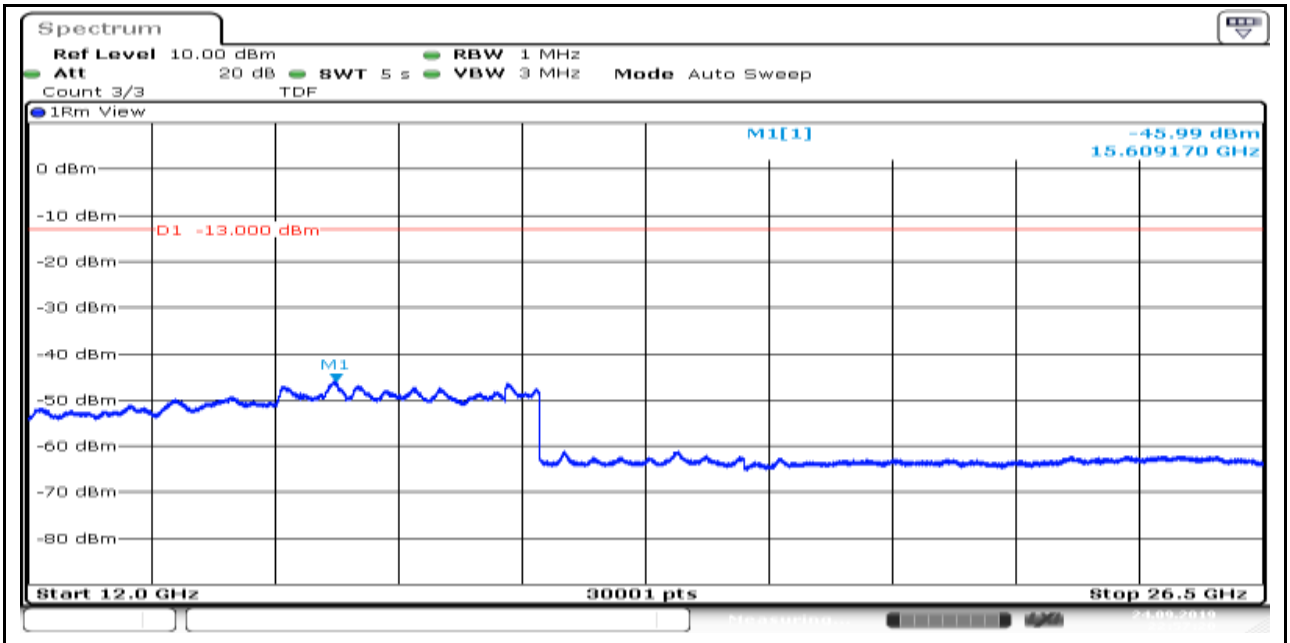
Band71_Stand-Alone_NaN_QPSK_133297_1@47_3.75kHz_1000_5000_1000~5000MHz@-39.51dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-1@47@3.75kHz-QPSK-NTNV-2019924215016.Gif_



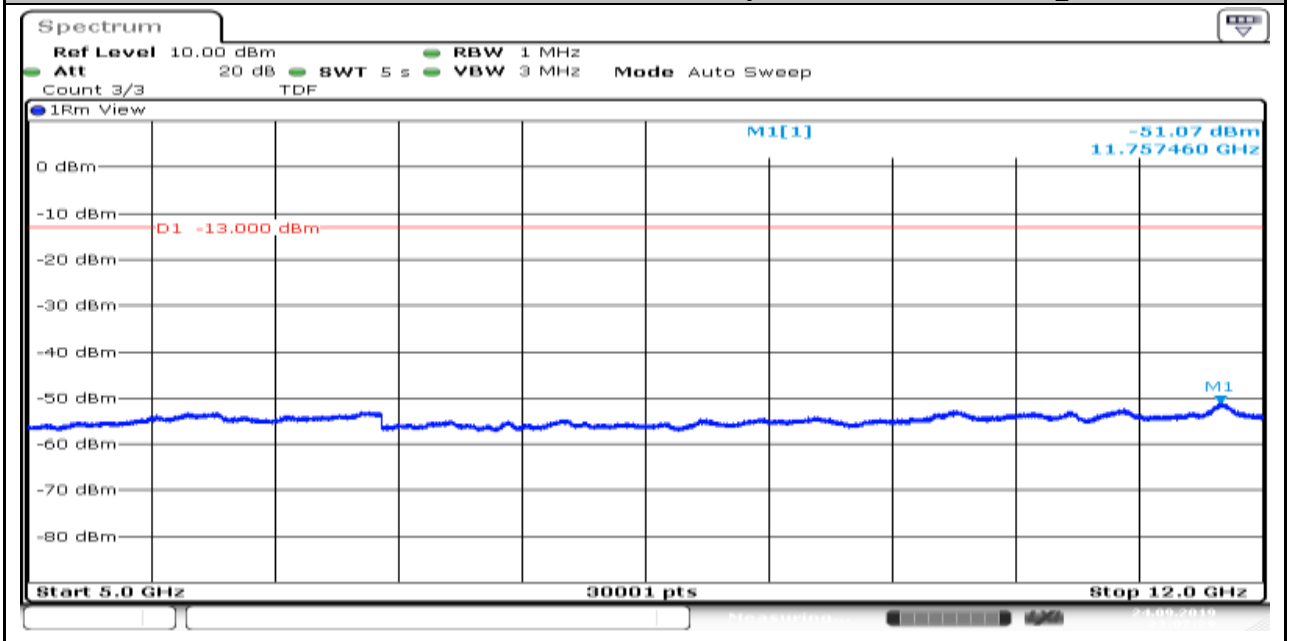
Band71_Stand-Alone_NaN_QPSK_133297_12@0_15kHz_12000_26500_12000~26500MHz@-45.99dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-12@0@15kHz-QPSK-NTNV-2019924215947.Gif_



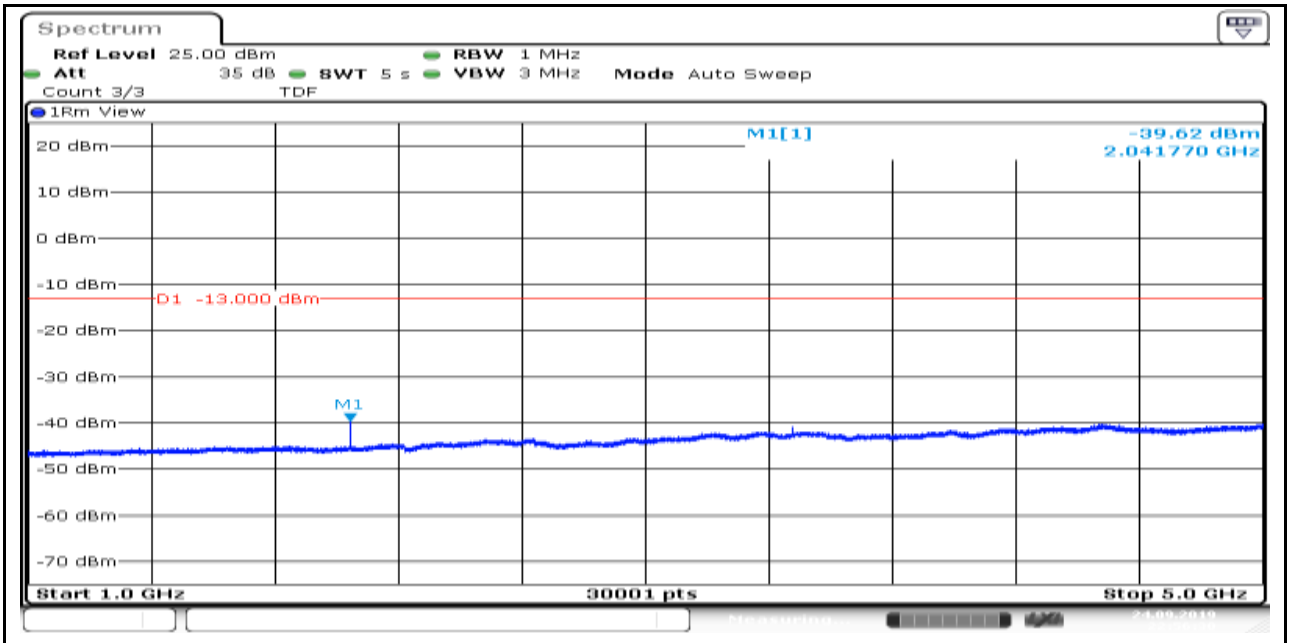
Band71_Stand-Alone_NaN_QPSK_133297_1@0_3.75kHz_12000_26500_12000~26500MHz@-45.99dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-1@0@3.75kHz-QPSK-NTNV-2019924214913.Gif_



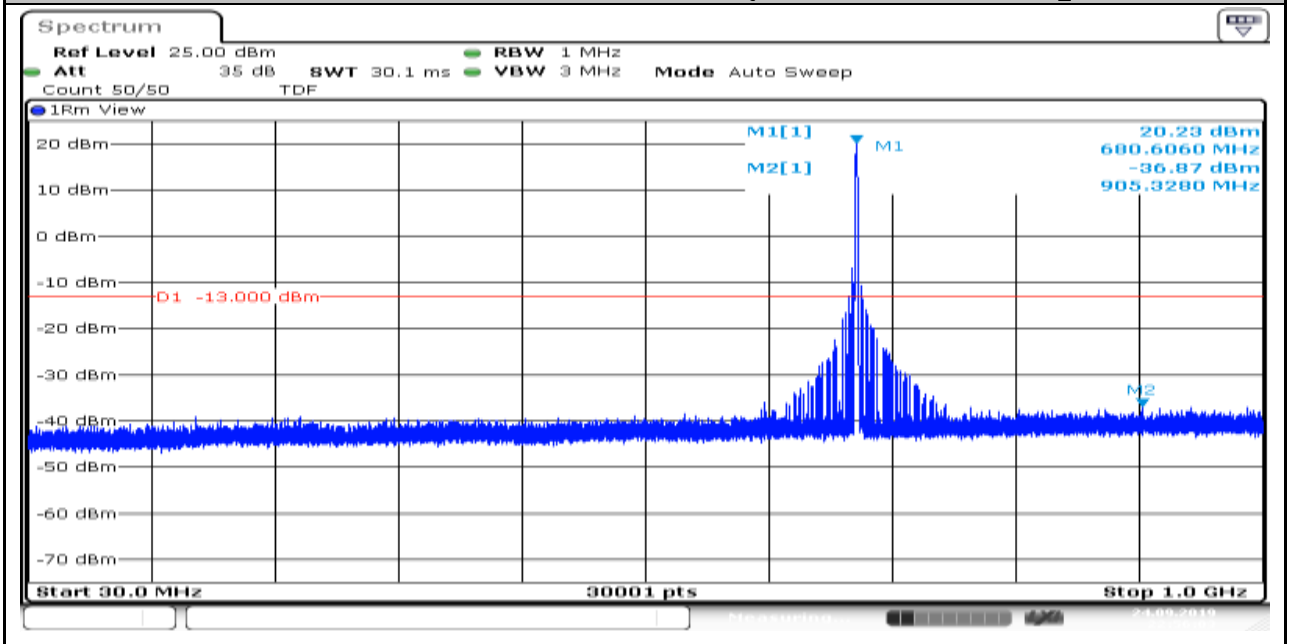
Band71_Stand-Alone_NaN_QPSK_133297_12@0_15kHz_5000_12000_5000~12000MHz@-51.07dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-12@0@15kHz-QPSK-NTNV-2019924215922.Gif_



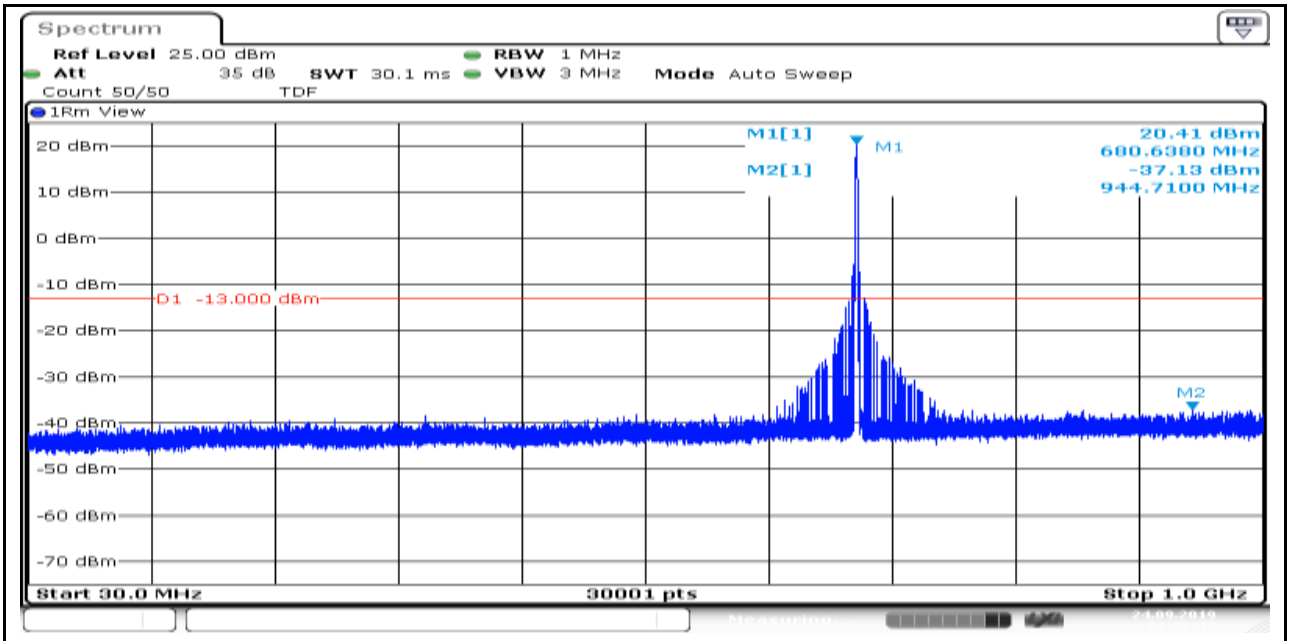
Band71_Stand-Alone_NaN_QPSK_133297_1@0_3.75kHz_1000_5000_1000~5000MHz@-39.62dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-1@0@3.75kHz-QPSK-NTNV-2019924214822.Gif_



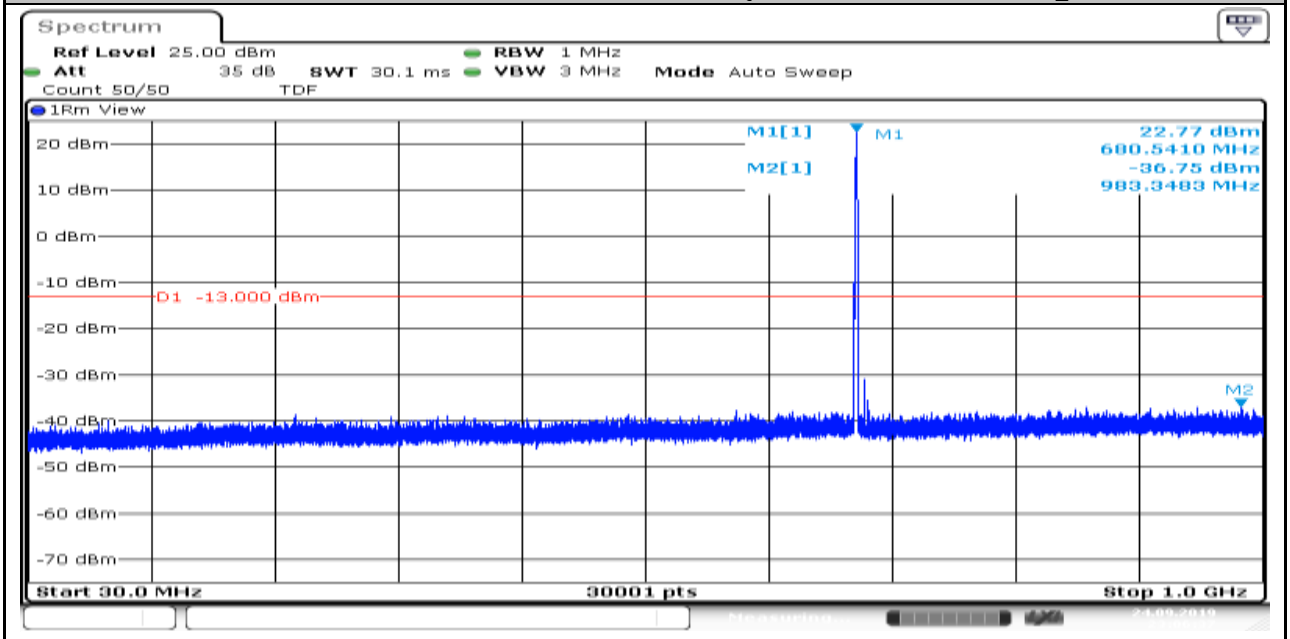
Band71_Stand-Alone_NaN_QPSK_133297_1@0_3.75kHz_30_1000_30~1000MHz@-36.87dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-1@0@3.75kHz-QPSK-NTNV-2019924214756.Gif_



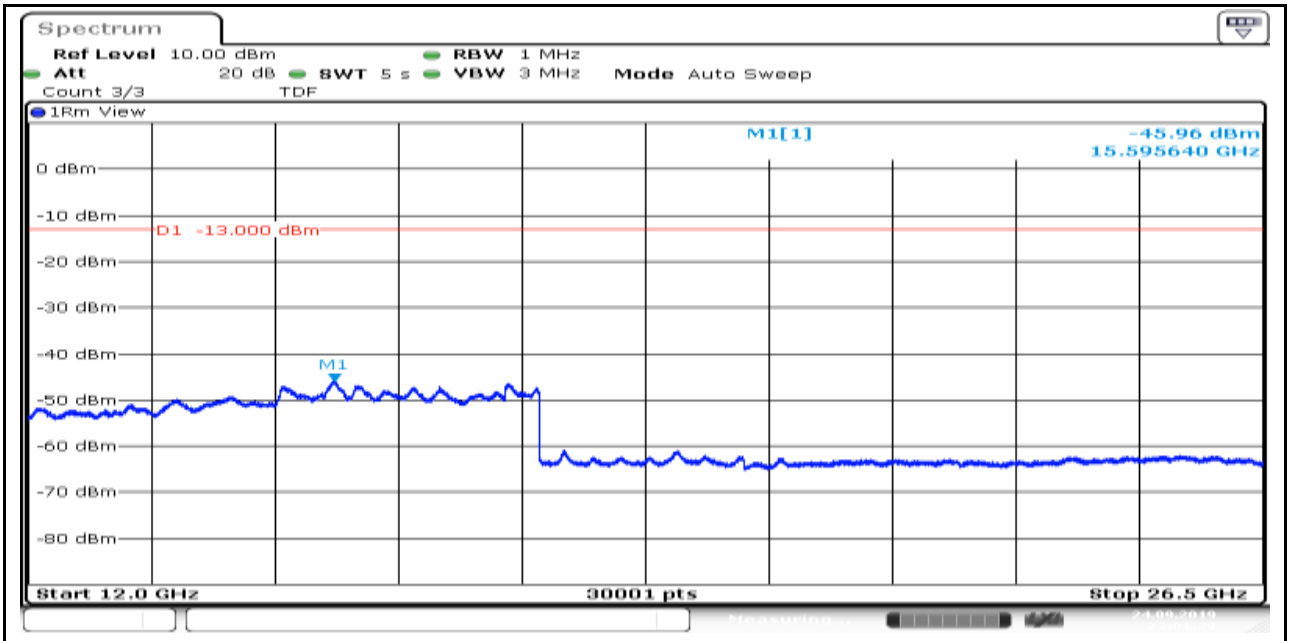
Band71_Stand-Alone_NaN_QPSK_133297_1@47_3.75kHz_30_1000_30~1000MHz@-37.13dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-1@47@3.75kHz-QPSK-NTNV-2019924214950.Gif_



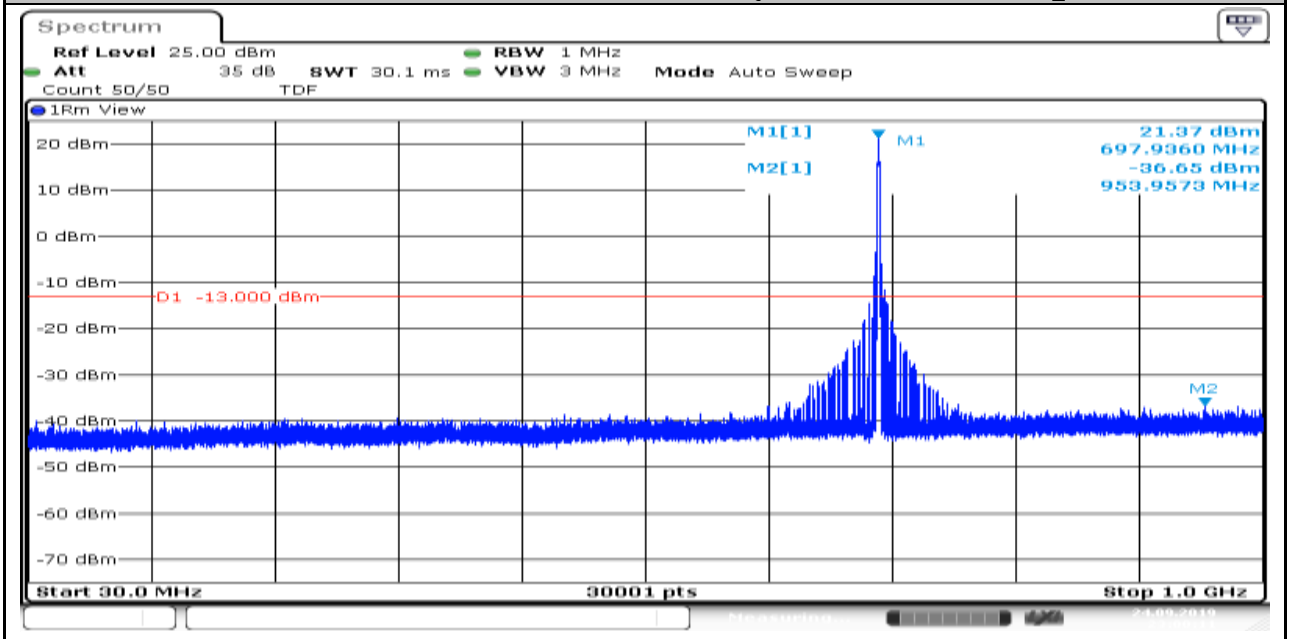
Band71_Stand-Alone_NaN_QPSK_133297_12@0_15kHz_30_1000_30~1000MHz@-36.75dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-12@0@15kHz-QPSK-NTNV-2019924215830.Gif_



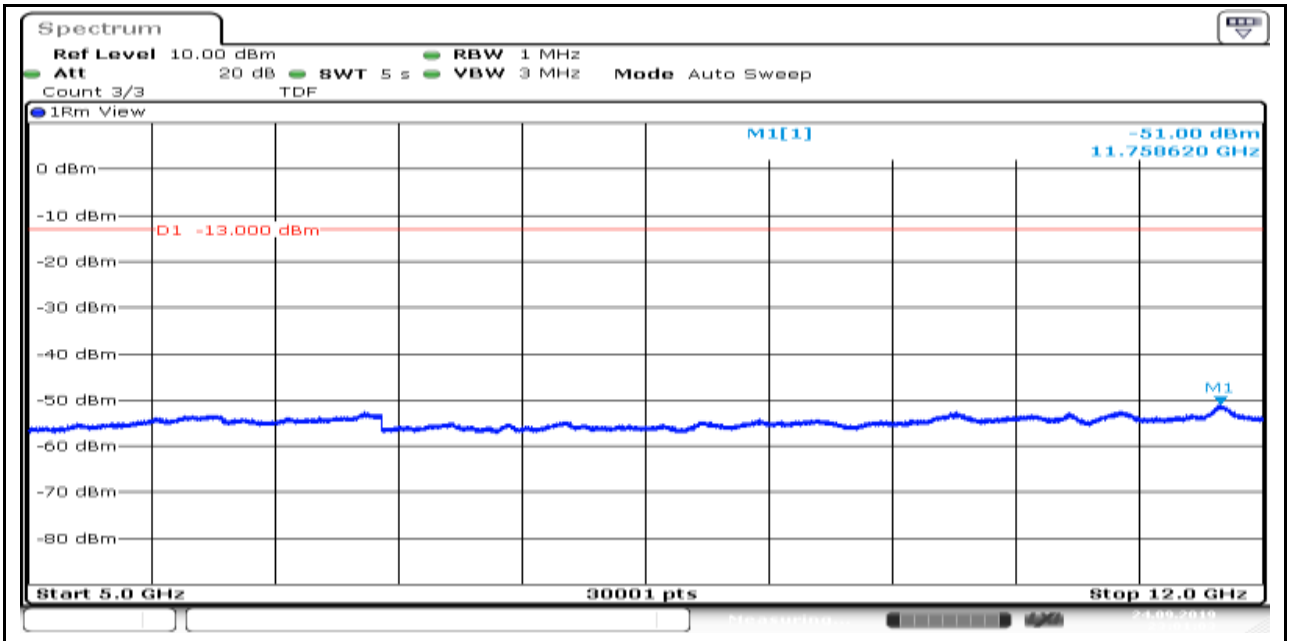
Band71_Stand-Alone_NaN_QPSK_133471_1@0_3.75kHz_12000_26500_12000~26500MHz@-45.96dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-1@0@3.75kHz-QPSK-NTNV-2019924215321.Gif_



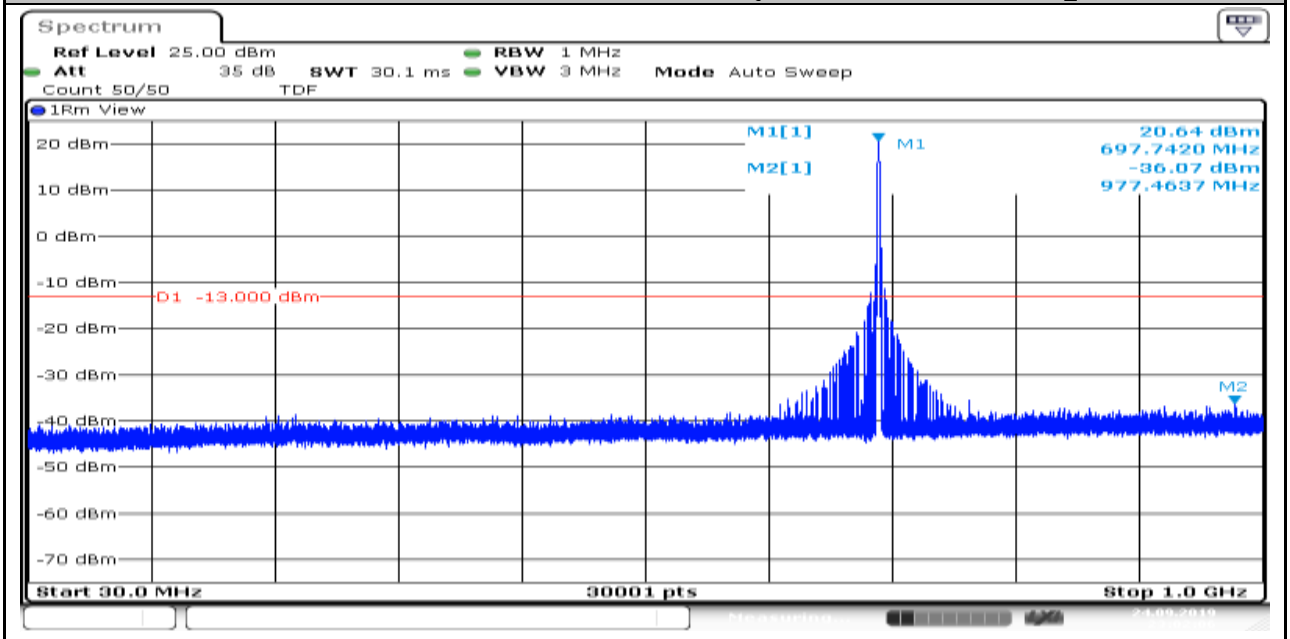
Band71_Stand-Alone_NaN_QPSK_133471_1@0_3.75kHz_30_1000_30~1000MHz@-36.65dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-1@0@3.75kHz-QPSK-NTNV-201992421524.Gif_



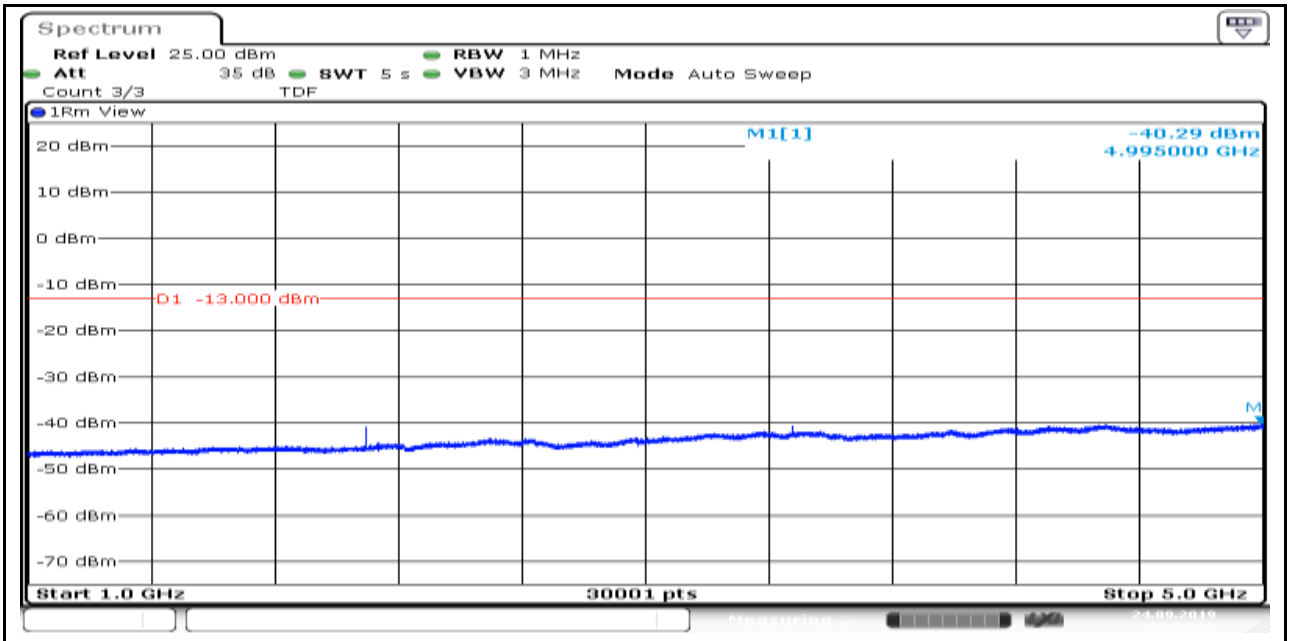
Band71_Stand-Alone_NaN_QPSK_133471_1@0_3.75kHz_5000_12000_5000~12000MHz@-51dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-1@0@3.75kHz-QPSK-NTNV-2019924215256.Gif_



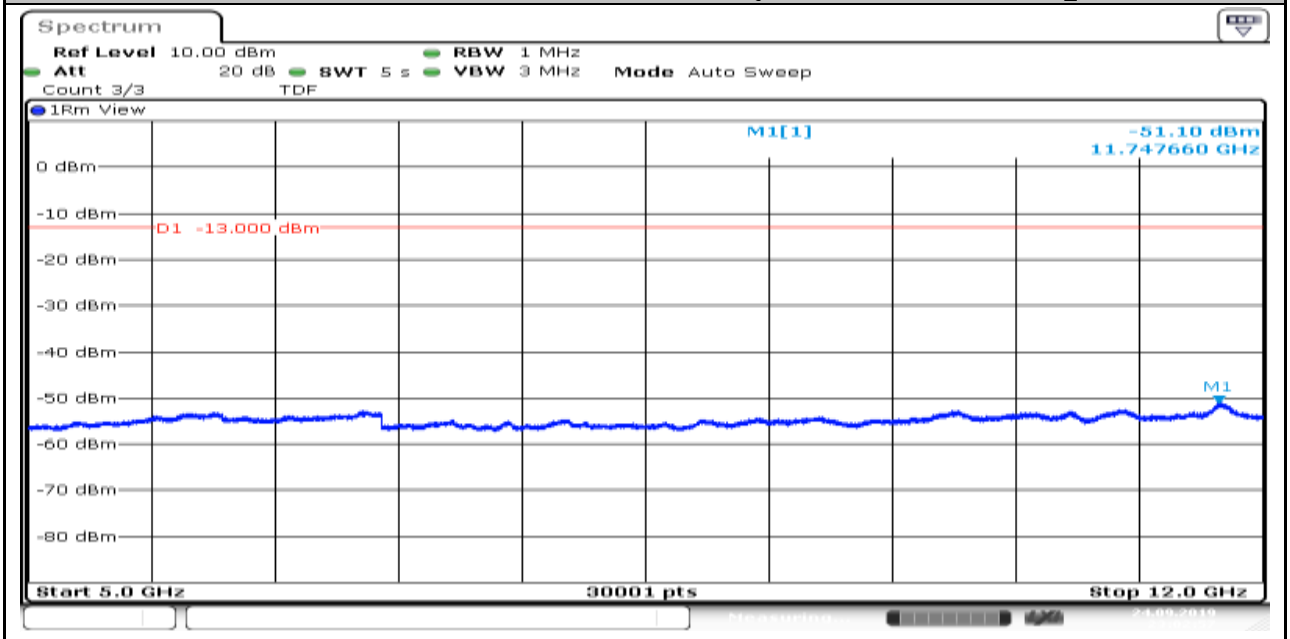
Band71_Stand-Alone_NaN_QPSK_133471_1@47_3.75kHz_30_1000_30~1000MHz@-36.07dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-1@47@3.75kHz-QPSK-NTNV-2019924215359.Gif_



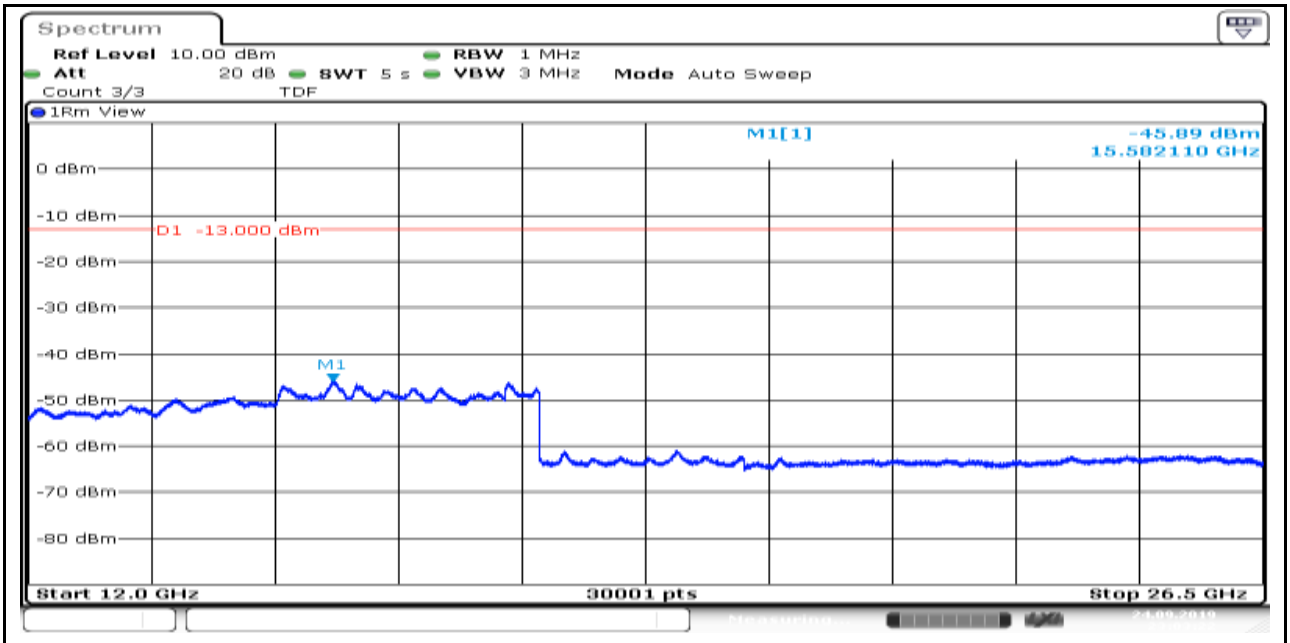
Band71_Stand-Alone_NaN_QPSK_133471_1@47_3.75kHz_1000_5000_1000~5000MHz@-40.29dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-1@47@3.75kHz-QPSK-NTNV-2019924215425.Gif_



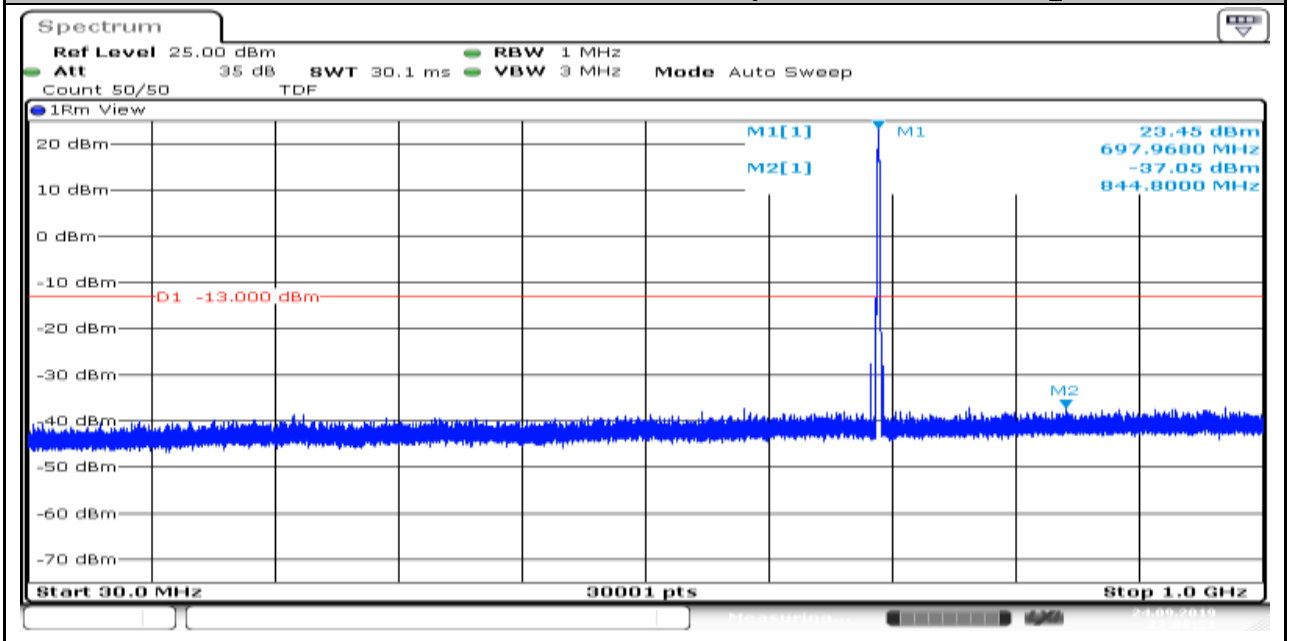
Band71_Stand-Alone_NaN_QPSK_133471_1@47_3.75kHz_5000_12000_5000~12000MHz@-51.1dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-1@47@3.75kHz-QPSK-NTNV-2019924215450.Gif_



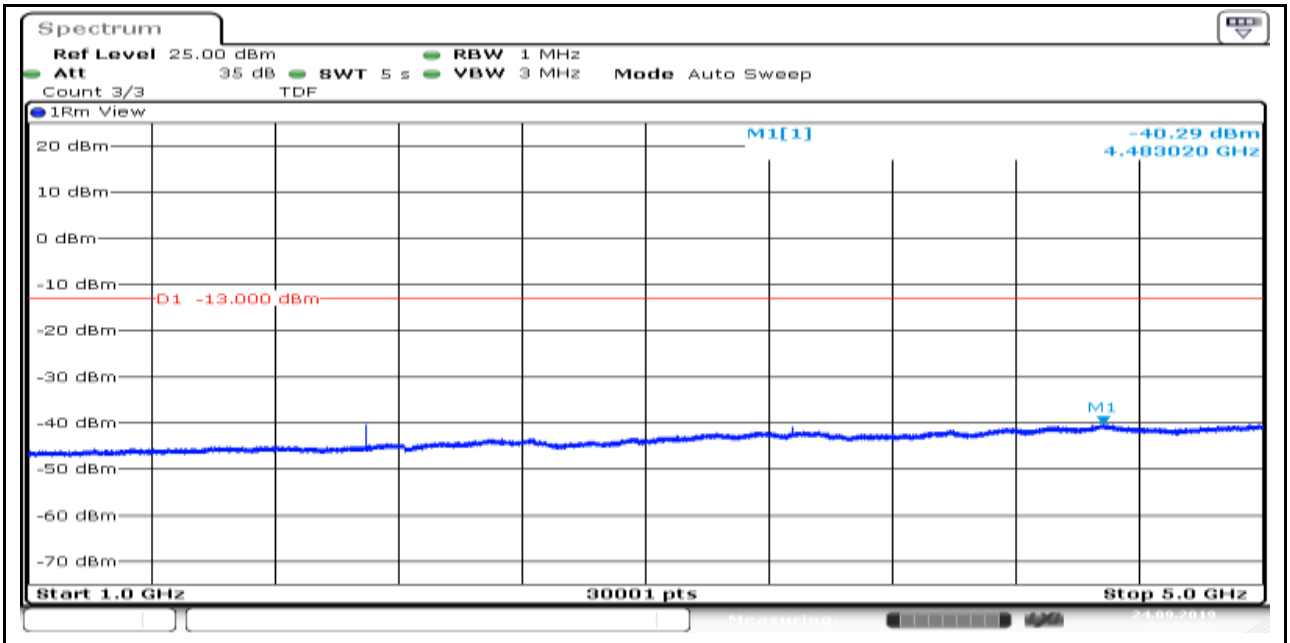
Band71_Stand-Alone_NaN_QPSK_133471_1@47_3.75kHz_12000_26500_12000~26500MHz@-45.89dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-1@47@3.75kHz-QPSK-NTNV-2019924215515.Gif_



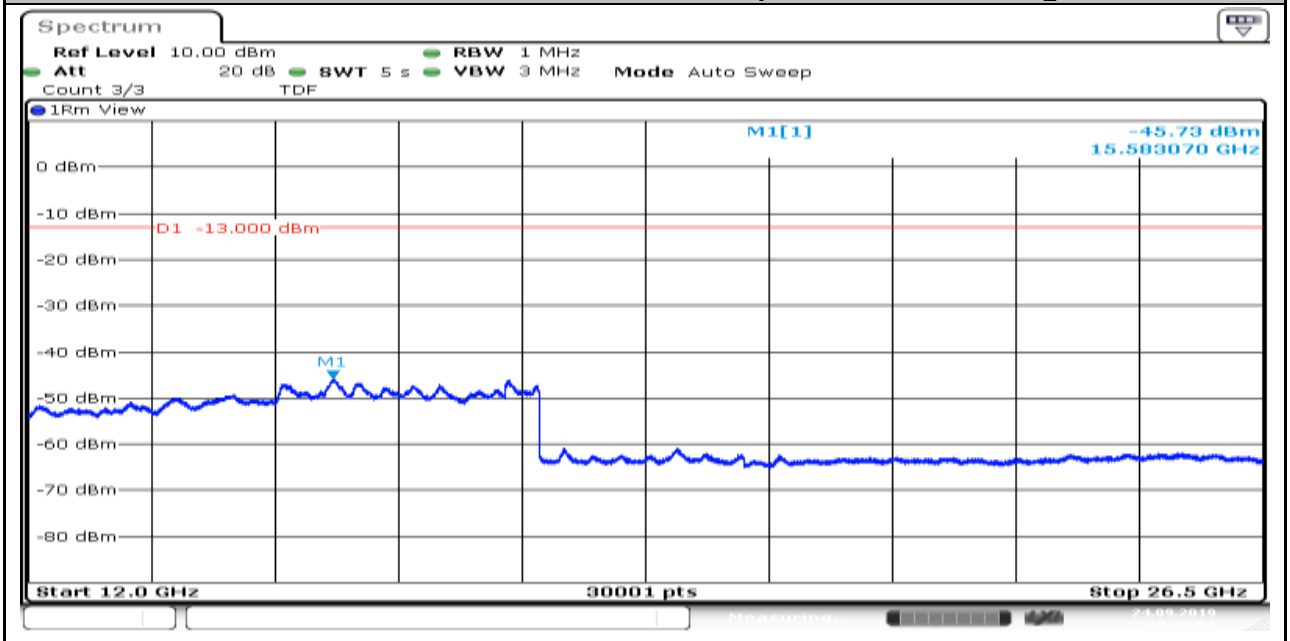
Band71_Stand-Alone_NaN_QPSK_133471_12@0_15kHz_30_1000_30~1000MHz@-37.05dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-12@0@15kHz-QPSK-NTNV-201992422044.Gif_



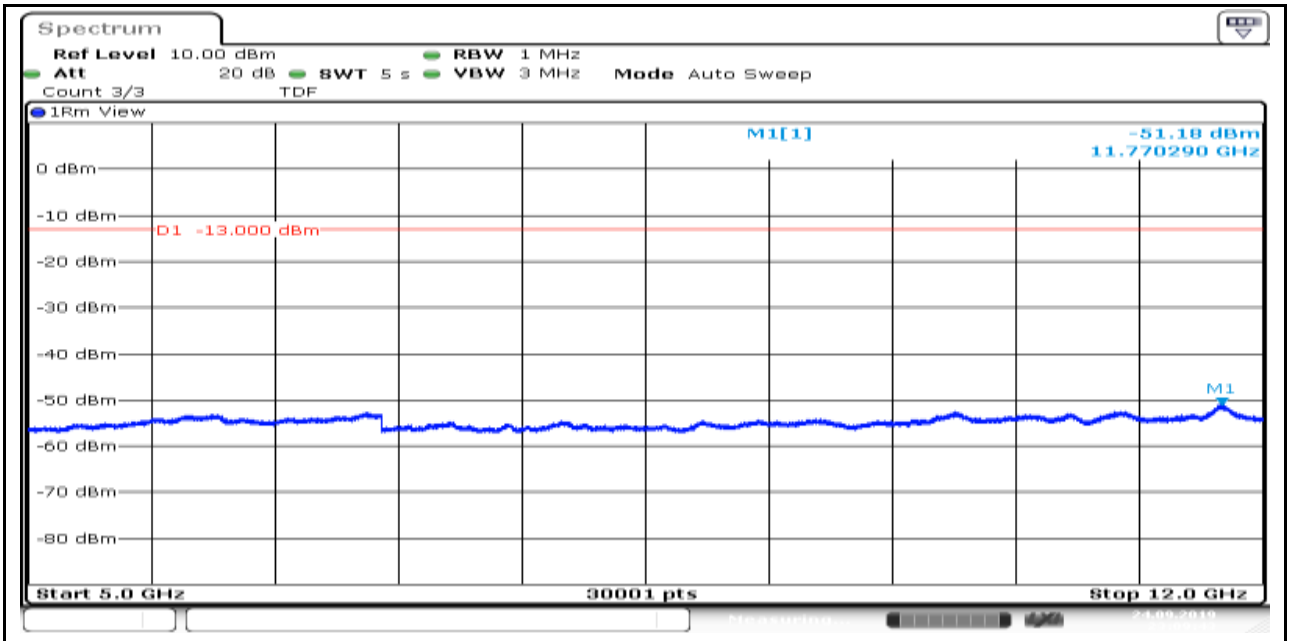
Band71_Stand-Alone_NaN_QPSK_133471_1@0_3.75kHz_1000_5000_1000~5000MHz@-40.29dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-1@0@3.75kHz-QPSK-NTNV-2019924215231.Gif_



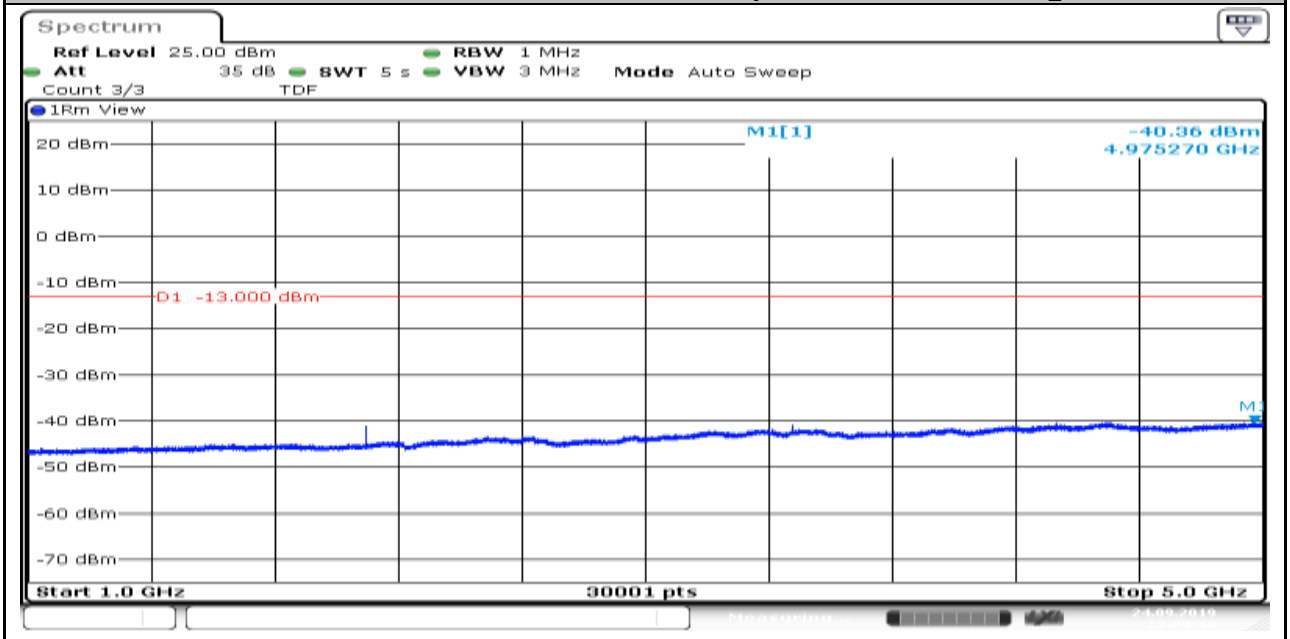
Band71_Stand-Alone_NaN_QPSK_133471_12@0_15kHz_12000_26500_12000~26500MHz@-45.73dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-12@0@15kHz-QPSK-NTNV-20199242221.Gif_



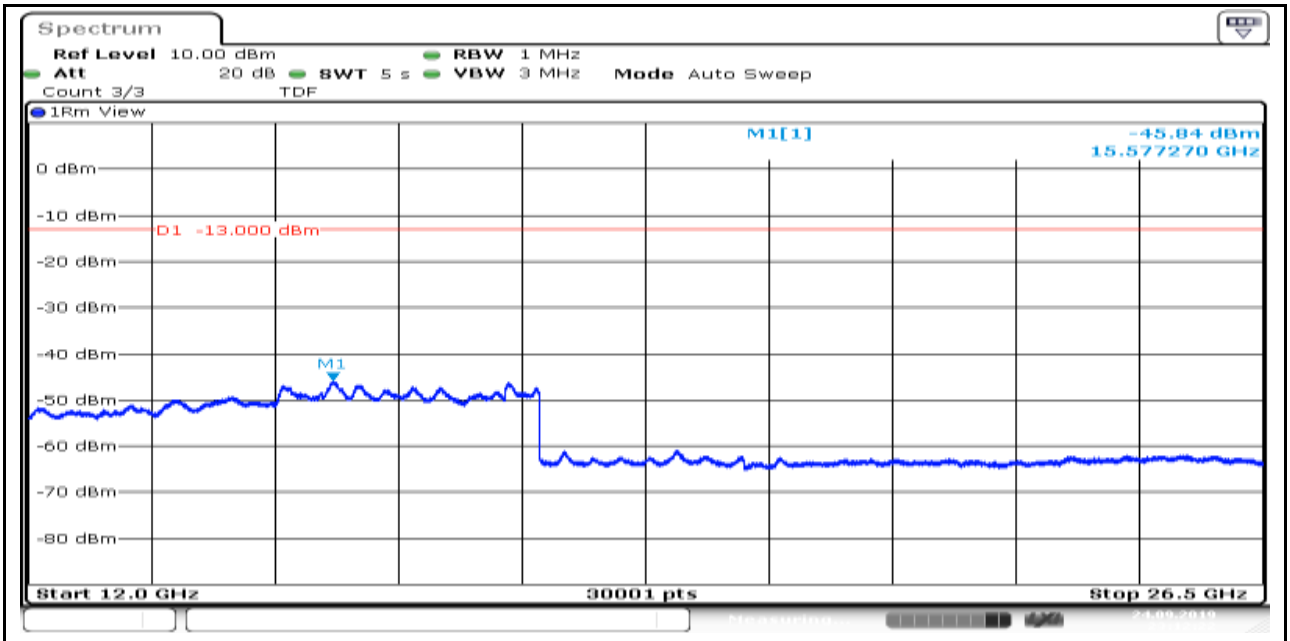
Band71_Stand-Alone_NaN_QPSK_133471_12@0_15kHz_5000_12000_5000~12000MHz@-51.18dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-12@0@15kHz-QPSK-NTNV-201992422135.Gif_



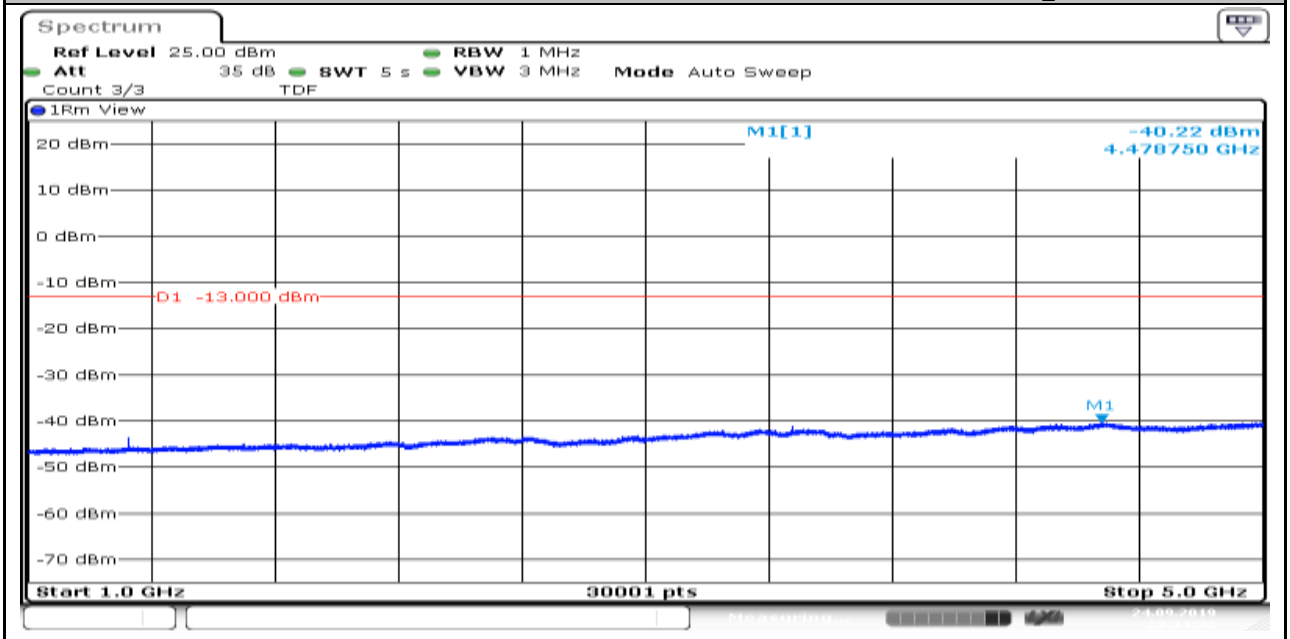
Band71_Stand-Alone_NaN_QPSK_133471_12@0_15kHz_1000_5000_1000~5000MHz@-40.36dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-12@0@15kHz-QPSK-NTNV-201992422110.Gif_



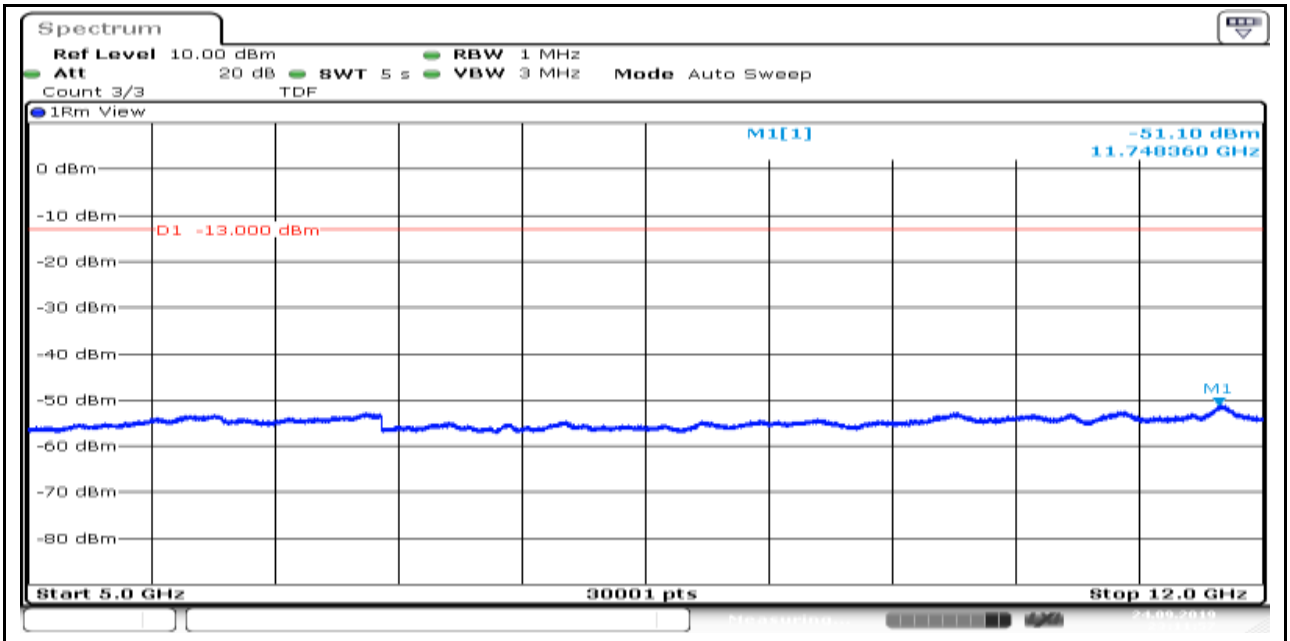
Band71_Stand-Alone_NaN_BPSK_133123_1@0_15kHz_12000_26500_12000~26500MHz@-45.84dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-1@0@15kHz-BPSK-NTNV-201992422415.Gif_



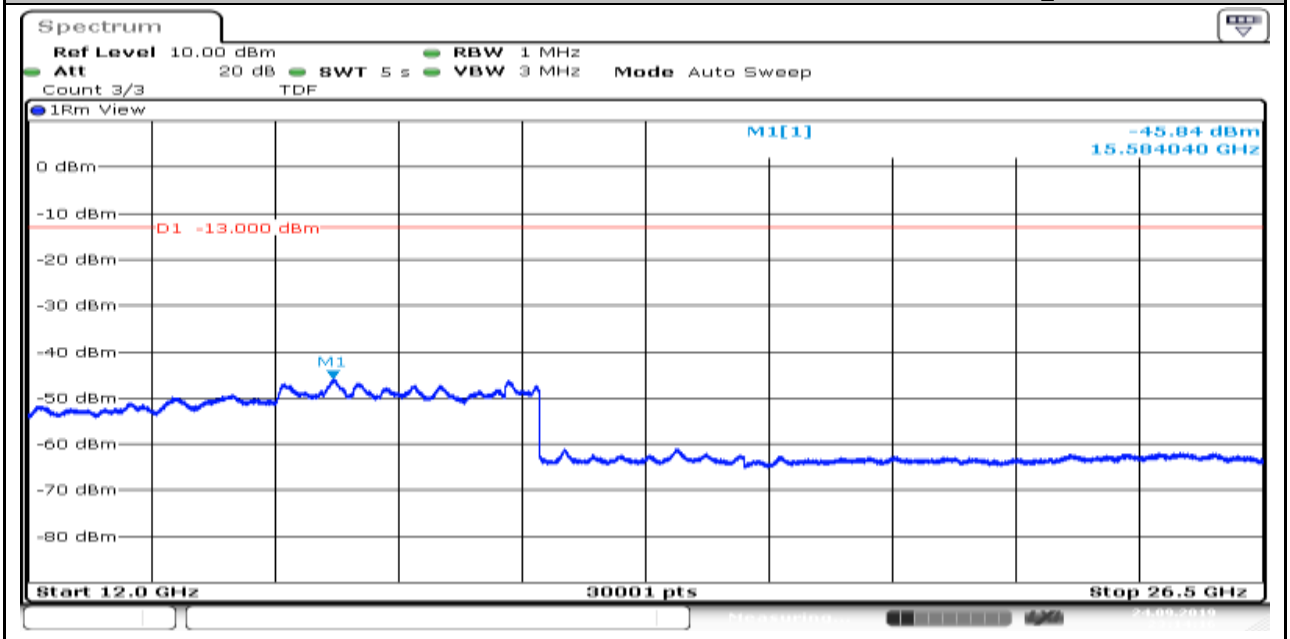
Band71_Stand-Alone_NaN_BPSK_133123_1@0_15kHz_1000_5000_1000~5000MHz@-40.22dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-1@0@15kHz-BPSK-NTNV-201992422325.Gif_



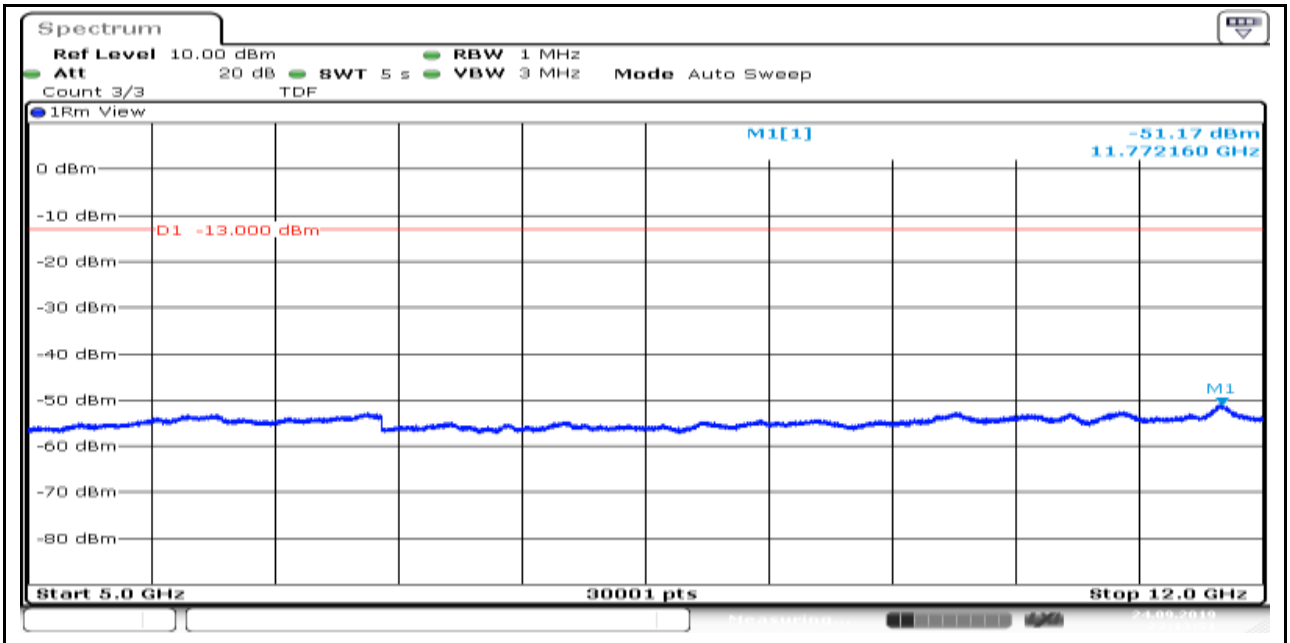
Band71_Stand-Alone_NaN_BPSK_133123_1@0_15kHz_5000_12000_5000~12000MHz@-51.1dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-1@0@15kHz-BPSK-NTNV-201992422350.Gif_



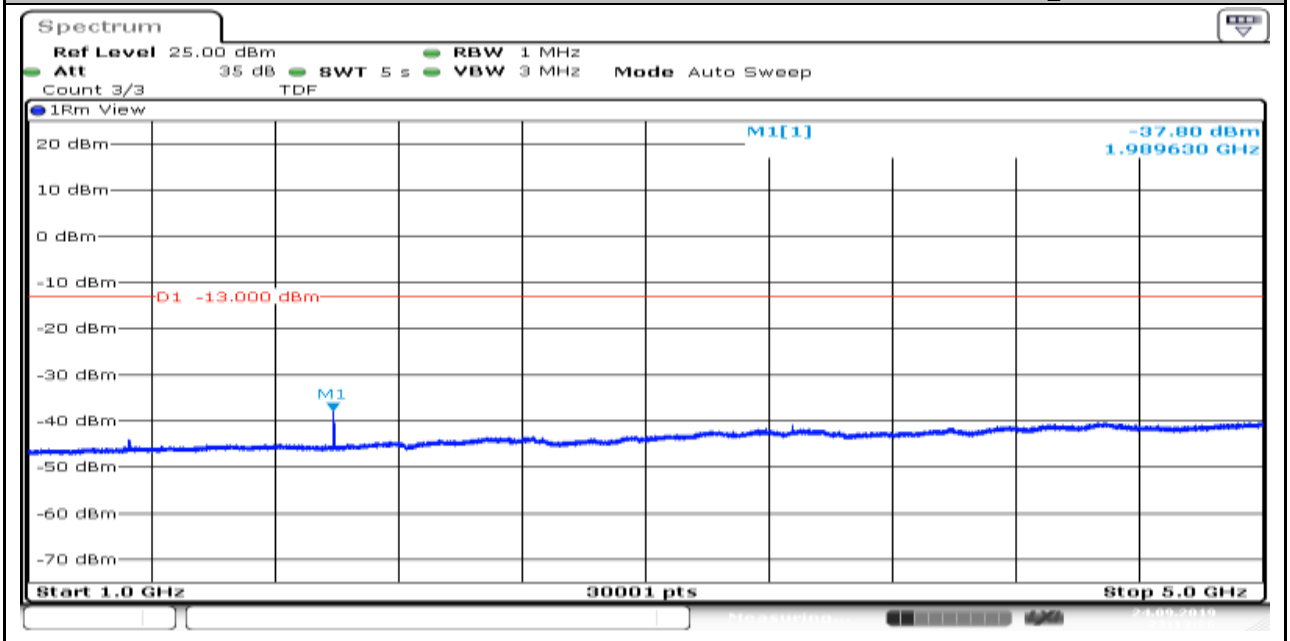
Band71_Stand-Alone_NaN_BPSK_133123_1@11_15kHz_12000_26500_12000~26500MHz@-45.84dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-1@11@15kHz-BPSK-NTNV-20199242269.Gif_



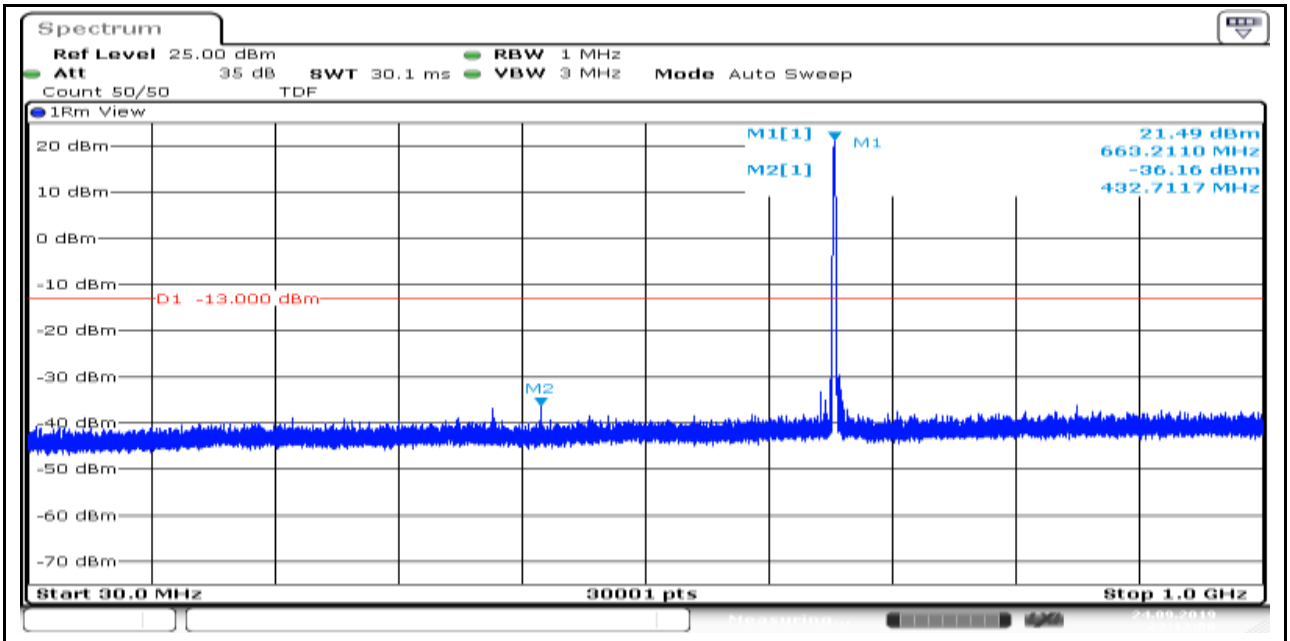
Band71_Stand-Alone_NaN_BPSK_133123_1@11_15kHz_5000_12000_5000~12000MHz@-51.17dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-1@11@15kHz-BPSK-NTNV-201992422544.Gif_



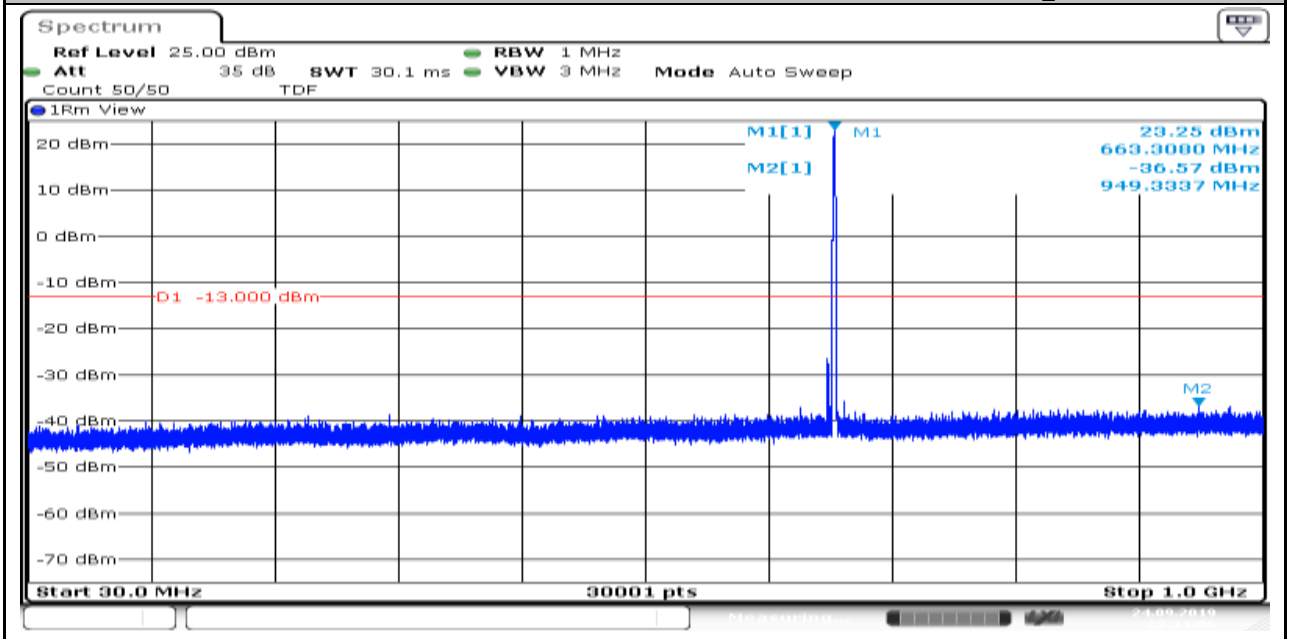
Band71_Stand-Alone_NaN_BPSK_133123_1@11_15kHz_1000_5000_1000~5000MHz@-37.8dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-1@11@15kHz-BPSK-NTNV-201992422519.Gif_



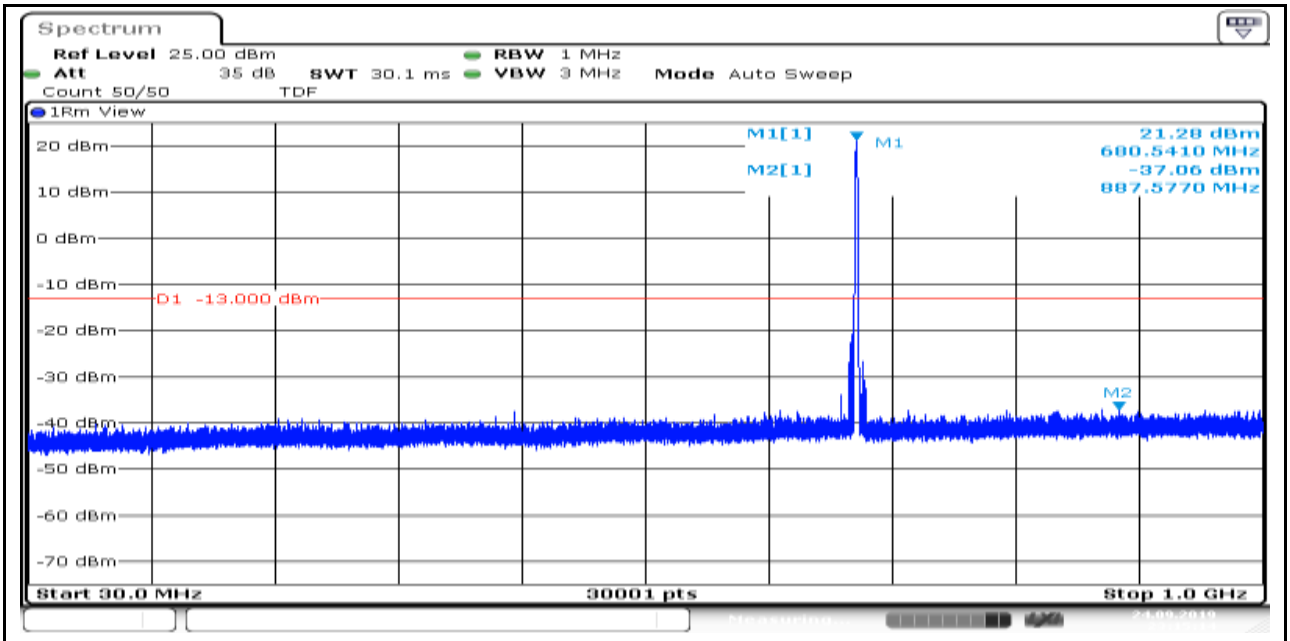
Band71_Stand-Alone_NaN_BPSK_133123_1@11_15kHz_30_1000_30~1000MHz@-36.16dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-1@11@15kHz-BPSK-NTNV-201992422453.Gif_



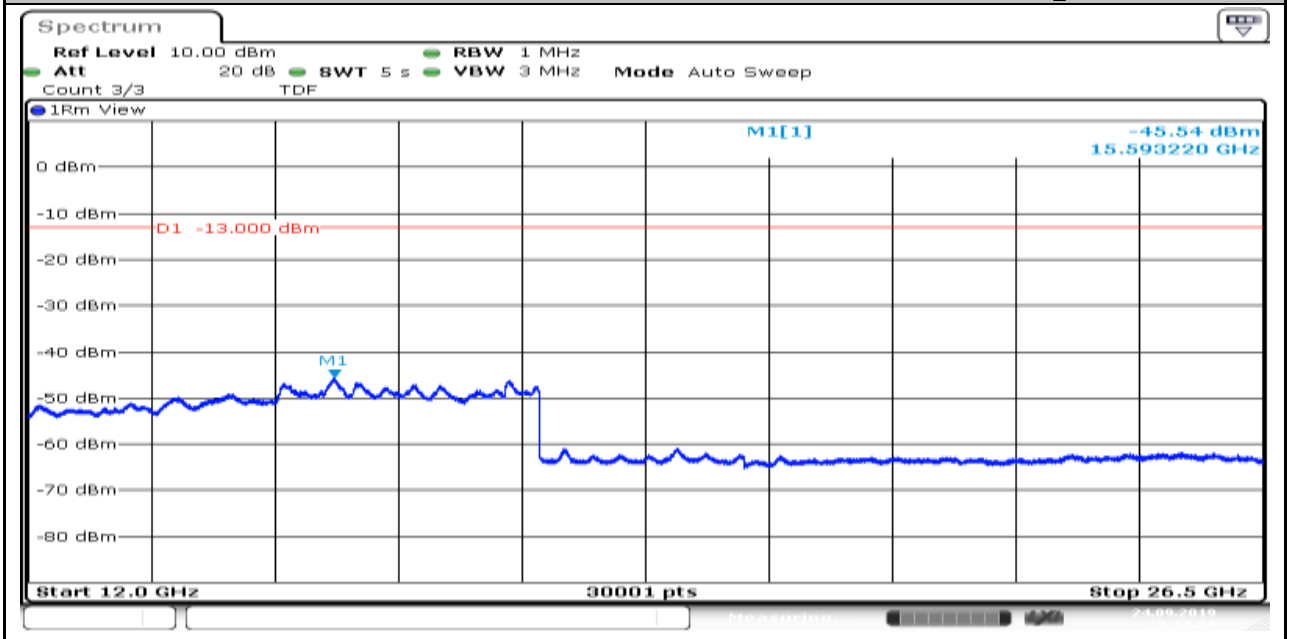
Band71_Stand-Alone_NaN_BPSK_133123_1@0_15kHz_30_1000_30~1000MHz@-36.57dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133123-1@0@15kHz-BPSK-NTNV-201992422259.Gif_



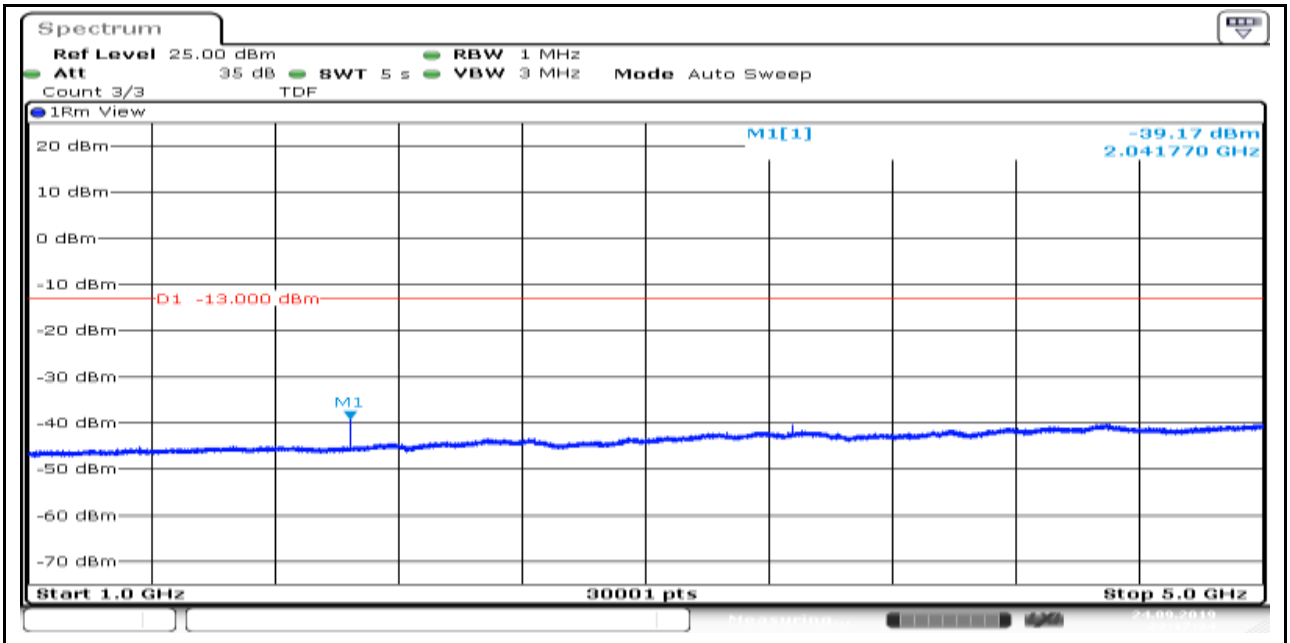
Band71_Stand-Alone_NaN_BPSK_133297_1@0_15kHz_30_1000_30~1000MHz@-37.06dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-1@0@15kHz-BPSK-NTNV-20199242276.Gif_



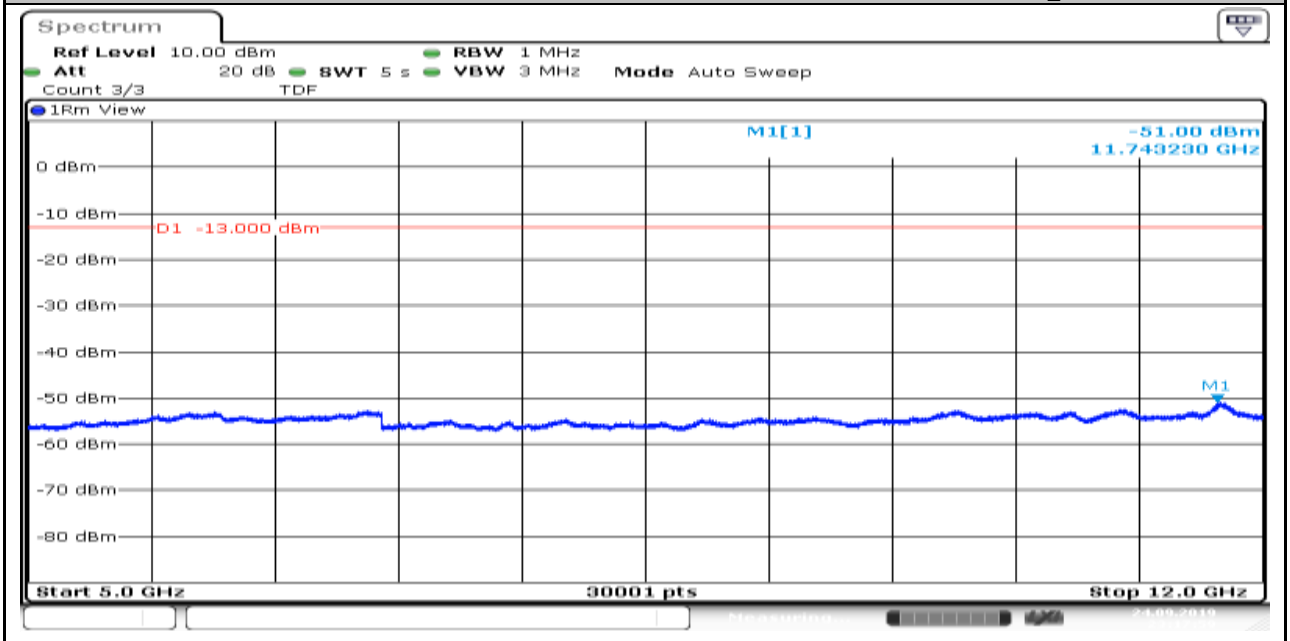
Band71_Stand-Alone_NaN_BPSK_133297_1@11_15kHz_12000_26500_12000~26500MHz@-45.54dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-1@11@15kHz-BPSK-NTNV-2019924221017.Gif_



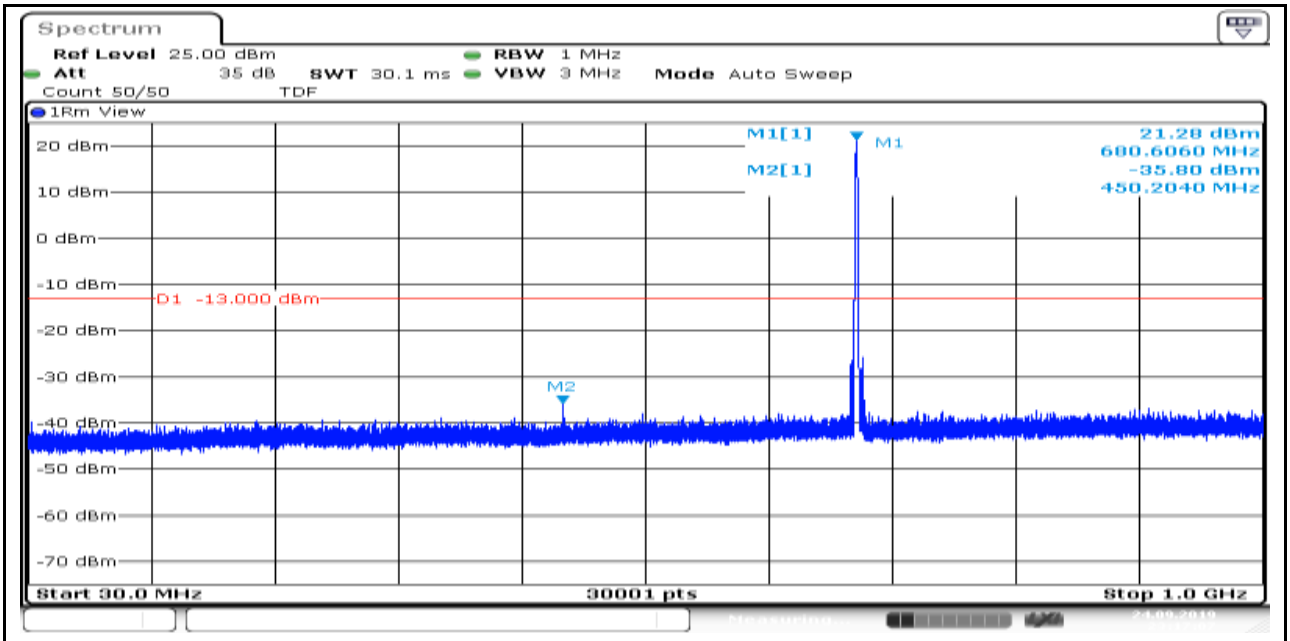
Band71_Stand-Alone_NaN_BPSK_133297_1@11_15kHz_1000_5000_1000~5000MHz@-39.17dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-1@11@15kHz-BPSK-NTNV-201992422926.Gif_



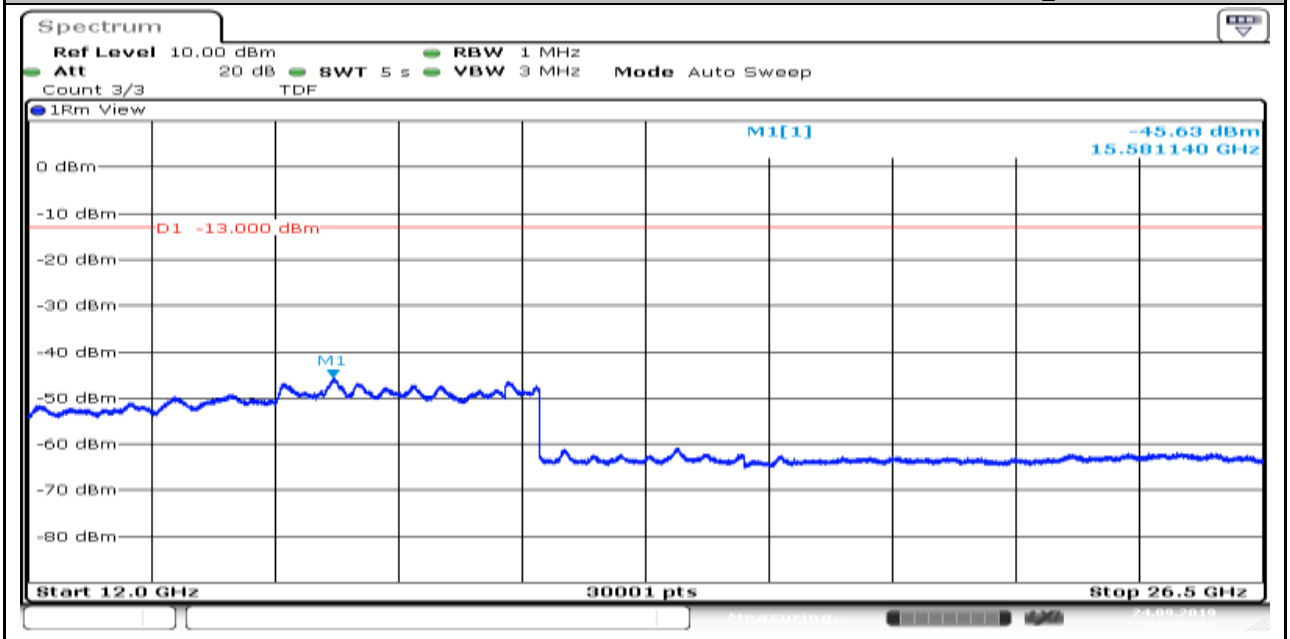
Band71_Stand-Alone_NaN_BPSK_133297_1@11_15kHz_5000_12000_5000~12000MHz@-51dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-1@11@15kHz-BPSK-NTNV-201992422952.Gif_



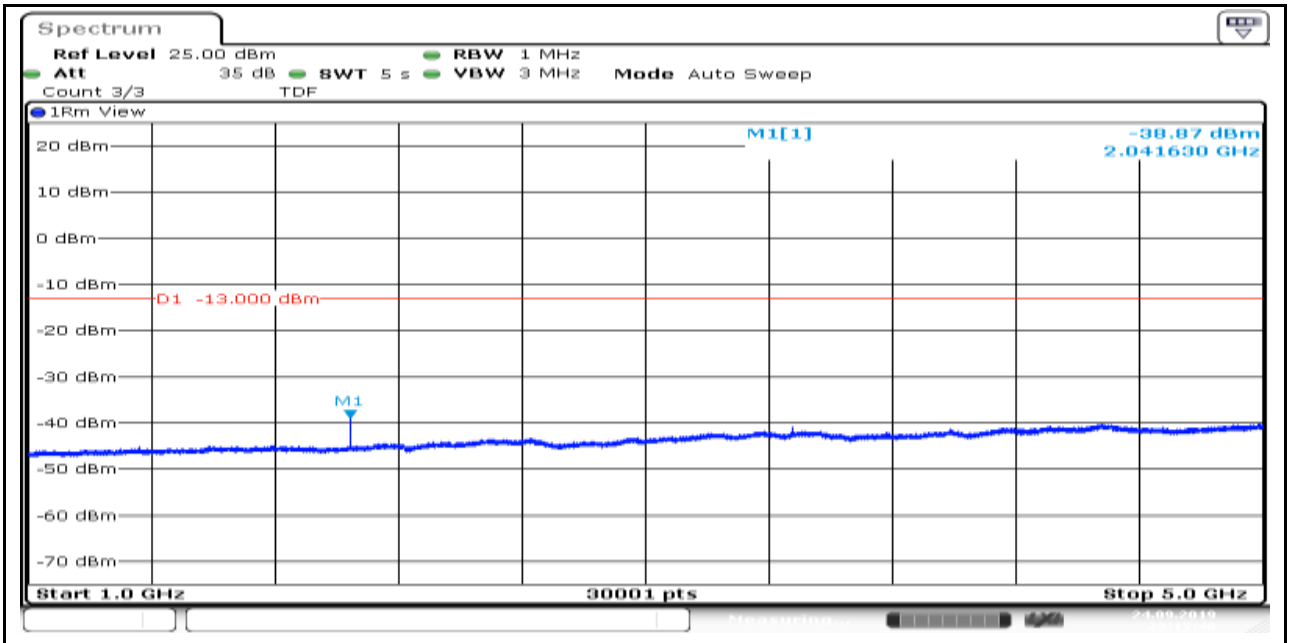
Band71_Stand-Alone_NaN_BPSK_133297_1@11_15kHz_30_1000_30~1000MHz@-35.8dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-1@11@15kHz-BPSK-NTNV-20199242290.Gif_



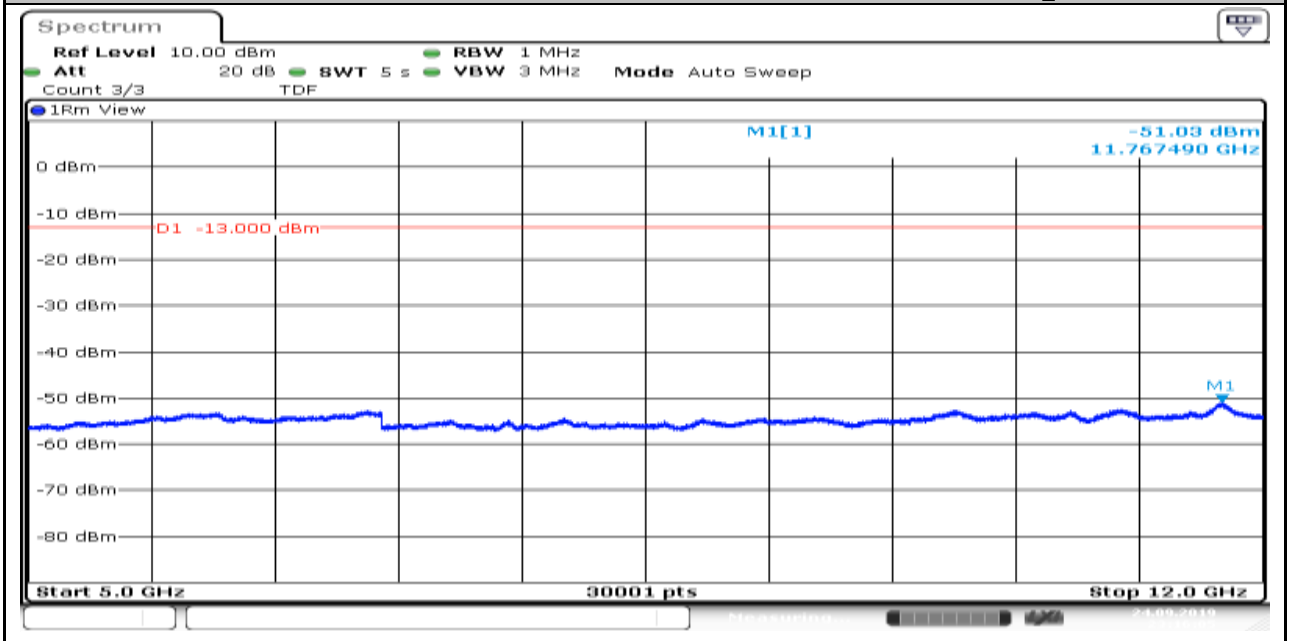
Band71_Stand-Alone_NaN_BPSK_133297_1@0_15kHz_12000_26500_12000~26500MHz@-45.63dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-1@0@15kHz-BPSK-NTNV-201992422823.Gif_



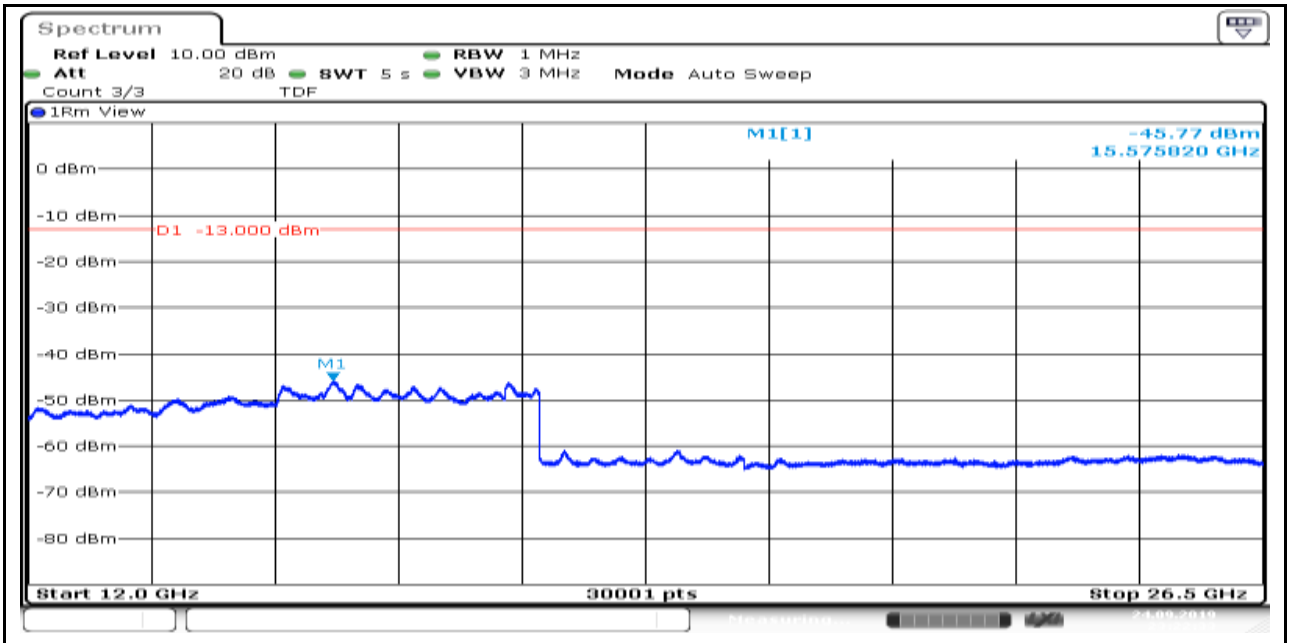
Band71_Stand-Alone_NaN_BPSK_133297_1@0_15kHz_1000_5000_1000~5000MHz@-38.87dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-1@0@15kHz-BPSK-NTNV-201992422733.Gif_



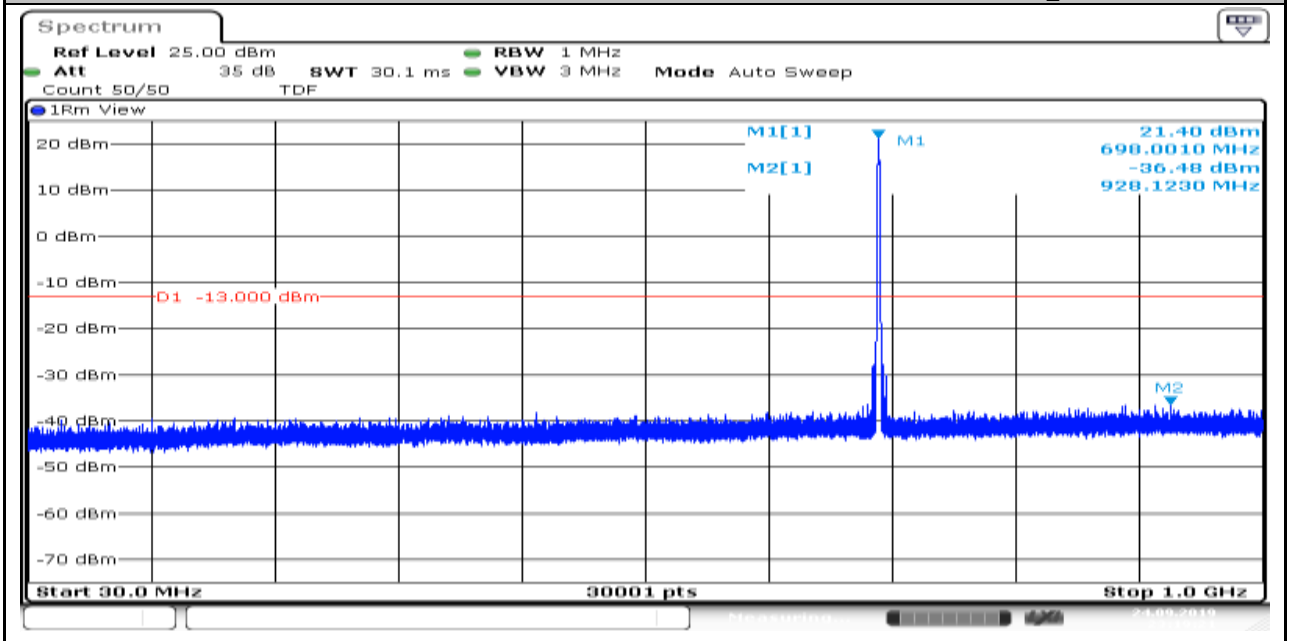
Band71_Stand-Alone_NaN_BPSK_133297_1@0_15kHz_5000_12000_5000~12000MHz@-51.03dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133297-1@0@15kHz-BPSK-NTNV-201992422758.Gif_



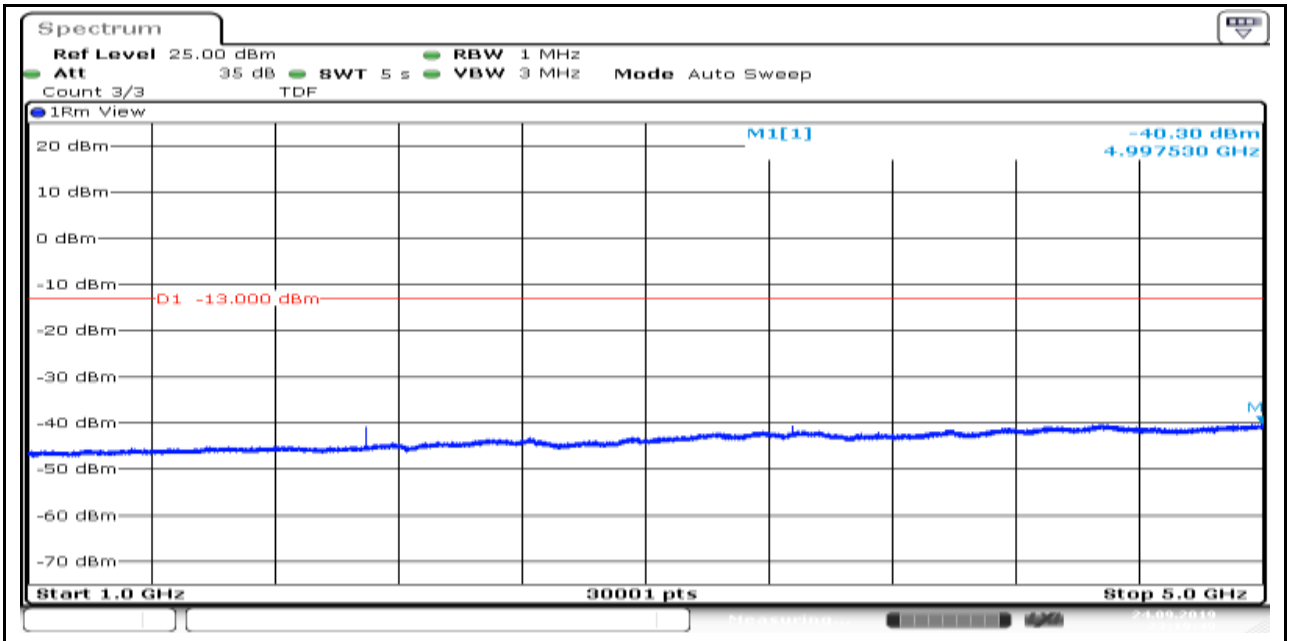
Band71_Stand-Alone_NaN_BPSK_133471_1@11_15kHz_12000_26500_12000~26500MHz@-45.77dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-1@11@15kHz-BPSK-NTNV-2019924221425.Gif_



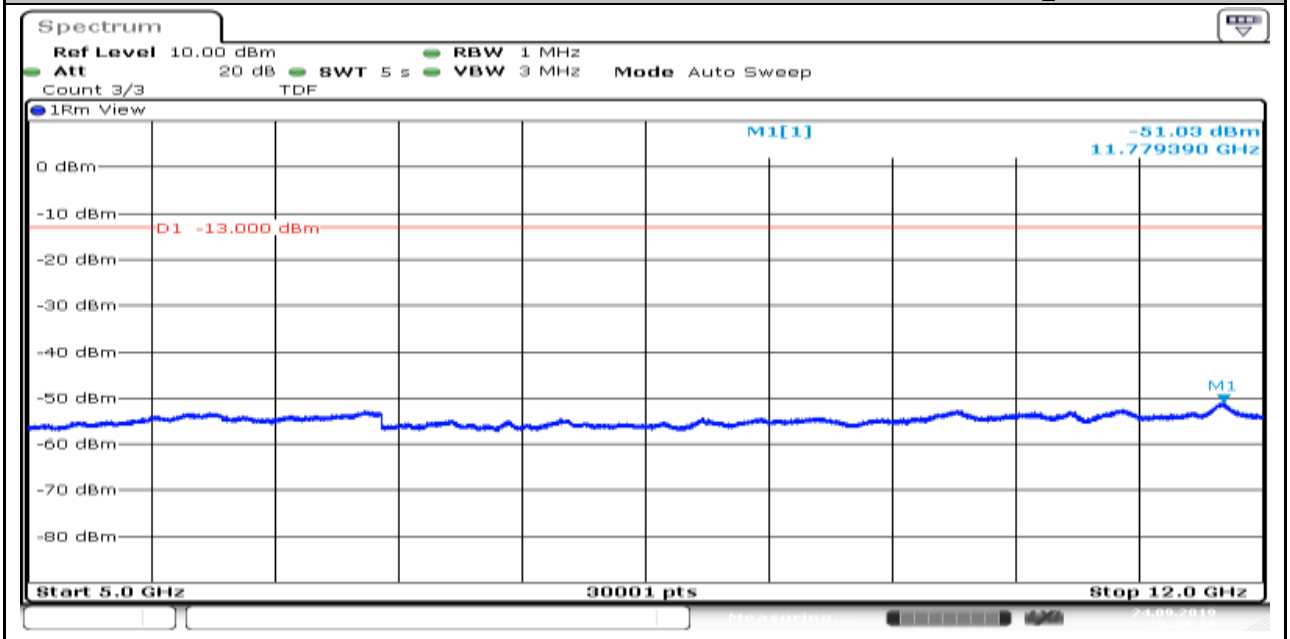
Band71_Stand-Alone_NaN_BPSK_133471_1@0_15kHz_30_1000_30~1000MHz@-36.48dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-1@0@15kHz-BPSK-NTNV-2019924221114.Gif_



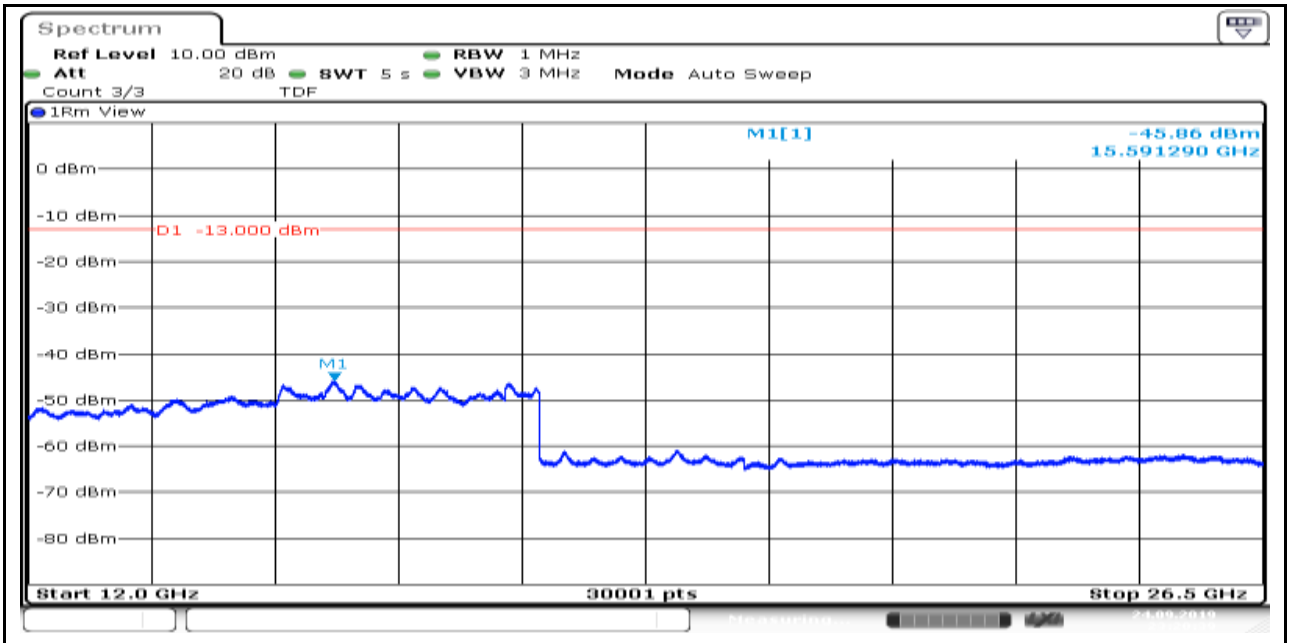
Band71_Stand-Alone_NaN_BPSK_133471_1@0_15kHz_1000_5000_1000~5000MHz@-40.3dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-1@0@15kHz-BPSK-NTNV-2019924221142.Gif_



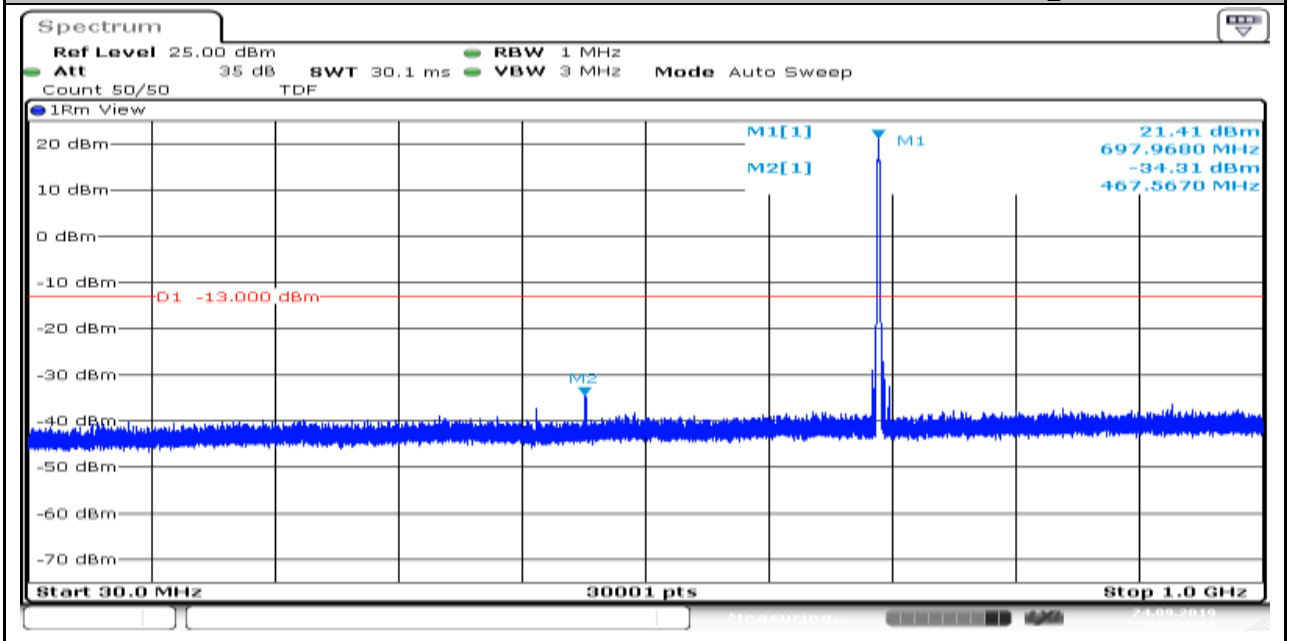
Band71_Stand-Alone_NaN_BPSK_133471_1@0_15kHz_5000_12000_5000~12000MHz@-51.03dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-1@0@15kHz-BPSK-NTNV-201992422127.Gif_



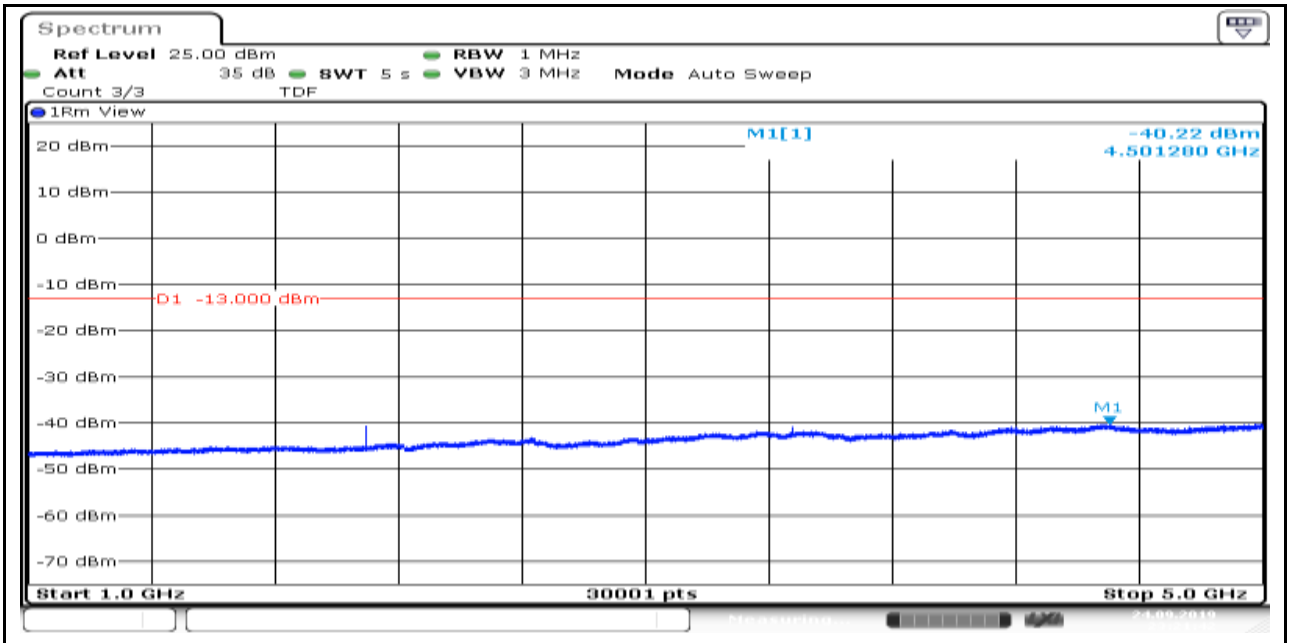
Band71_Stand-Alone_NaN_BPSK_133471_1@0_15kHz_12000_26500_12000~26500MHz@-45.86dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-1@0@15kHz-BPSK-NTNV-2019924221232.Gif_



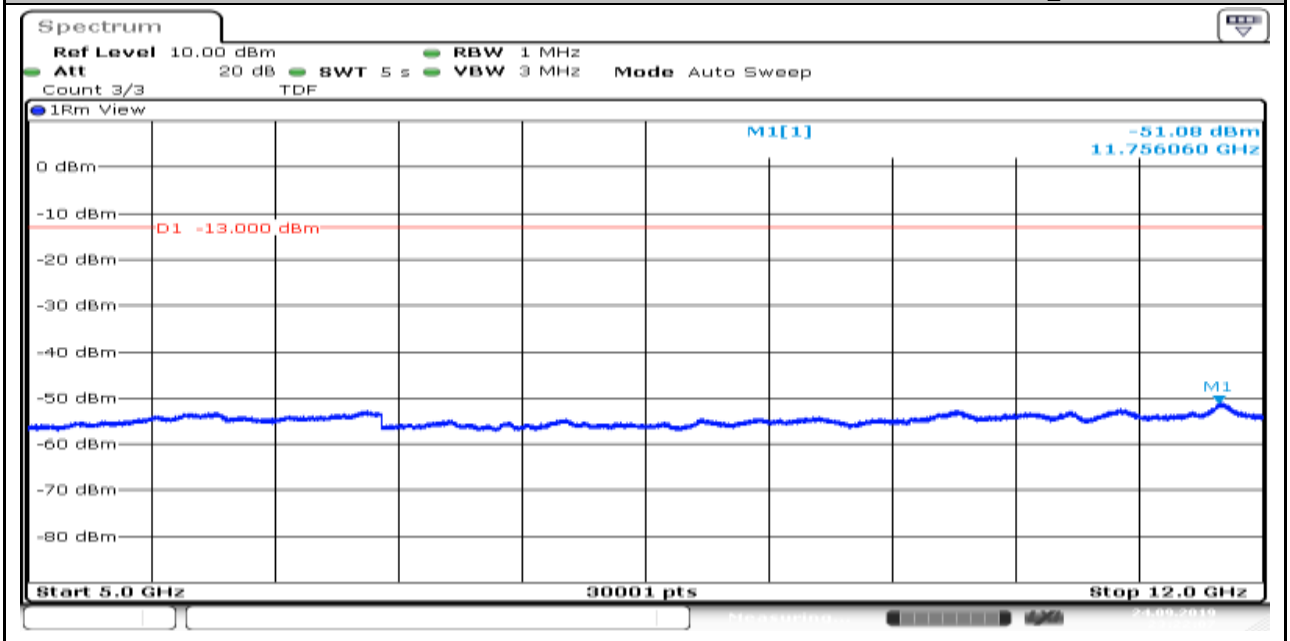
Band71_Stand-Alone_NaN_BPSK_133471_1@11_15kHz_30_1000_30~1000MHz@-34.31dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-1@11@15kHz-BPSK-NTNV-201992422139.Gif_



Band71_Stand-Alone_NaN_BPSK_133471_1@11_15kHz_1000_5000_1000~5000MHz@-40.22dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-1@11@15kHz-BPSK-NTNV-2019924221335.Gif_



Band71_Stand-Alone_NaN_BPSK_133471_1@11_15kHz_5000_12000_5000~12000MHz@-51.08dBm_-13_PASS_FCC_ME910G1\FCC_NBIOT_eMTC_NVNT\Band71\Spurious emission at antenna terminals for category NB-Band71-Stand-Alone-NaN-133471-1@11@15kHz-BPSK-NTNV-201992422140.Gif_



Appendix J.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
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	HV	NT	-9.24	-0.013578	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	LV	NT	-7.28	-0.010698	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	NV	NT	-5.29	-0.007774	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	HV	NT	-6.91	-0.010154	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	LV	NT	-6.67	-0.009802	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	NV	NT	-6.75	-0.009919	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	HV	NT	-7.01	-0.010301	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	LV	NT	5.65	0.008303	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	NV	NT	-10.44	-0.015342	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	HV	NT	-14.46	-0.021249	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	LV	NT	-12.03	-0.017678	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	NV	NT	-10.57	-0.015533	±2.5	PASS

Temperature												
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	NV	50	-9.06	-0.013314	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	NV	-30	-12.52	-0.018398	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	NV	30	-11.16	-0.016400	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	NV	20	-9.77	-0.014357	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	NV	10	-7.57	-0.011124	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	NV	0	-7.00	-0.010287	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	NV	-10	6.68	0.009816	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	NV	50	-12.96	-0.019045	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	NV	-30	-10.13	-0.014886	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	NV	-30	-3.85	-0.005658	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	NV	40	-7.45	-0.010948	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	NV	30	8.45	0.012417	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	NV	20	-9.77	-0.014357	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	NV	10	6.44	0.009464	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	NV	0	-7.40	-0.010874	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	NV	-10	9.00	0.013226	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	NV	-20	-9.16	-0.013461	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	NV	-20	-12.55	-0.018442	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	NV	50	-9.44	-0.013872	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	NV	40	2.32	0.003409	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	NV	30	3.28	0.004820	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	NV	20	4.15	0.006098	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	NV	10	-9.93	-0.014592	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	NV	0	-9.56	-0.014048	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	NV	-10	-7.68	-0.011286	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	NV	40	-11.14	-0.016370	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	NV	-30	-8.88	-0.013049	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	NV	50	3.55	0.005217	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	NV	40	-9.37	-0.013769	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	NV	30	-7.40	-0.010874	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	NV	20	-8.31	-0.012212	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	NV	10	-8.35	-0.012270	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	NV	0	-9.56	-0.014048	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	NV	-10	-1.76	-0.002586	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	NV	-20	-4.15	-0.006098	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	NV	-20	-9.11	-0.013387	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	NV	-40	-14.72	-0.021631	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	NV	60	-3.26	-0.004791	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	NV	70	-5.76	-0.008464	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	NV	80	-10.89	-0.016003	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	NV	85	-3.42	-0.005026	±2.5	PASS

Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	NV	-40	-6.90	-0.010140	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	NV	60	-6.24	-0.009170	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	NV	70	-2.89	-0.004247	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	3.75kHz	NV	-40	-10.03	-0.014739	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	NV	85	-9.07	-0.013328	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	NV	85	-7.35	-0.010801	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	NV	60	-14.55	-0.021381	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	NV	70	-13.59	-0.019971	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	NV	80	-11.67	-0.017149	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@0	15kHz	NV	85	-7.98	-0.011727	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	NV	-40	-13.10	-0.019251	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	NV	60	-9.74	-0.014313	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	NV	70	-11.99	-0.017619	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@11	15kHz	NV	80	7.05	0.010360	±2.5	PASS
Band71	Stand-Alone	NaN	QPSK	133297	1@47	3.75kHz	NV	80	-2.42	-0.003556	±2.5	PASS

Appendix K: Test Results of Band 85 for NB-IoT operation

Appendix K.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		
Band85	Stand-Alone	NaN	QPSK	134003	3@3	15kHz	8.12	8.11	0.006	3	PASS
Band85	Stand-Alone	NaN	QPSK	134003	1@11	15kHz	8.17	8.16	0.007	3	PASS
Band85	Stand-Alone	NaN	QPSK	134003	1@0	3.75kHz	8.05	8.04	0.006	3	PASS
Band85	Stand-Alone	NaN	QPSK	134003	1@47	3.75kHz	8	7.99	0.006	3	PASS
Band85	Stand-Alone	NaN	QPSK	134003	1@0	15kHz	8.22	8.21	0.007	3	PASS
Band85	Stand-Alone	NaN	QPSK	134004	1@11	15kHz	20.91	20.9	0.123	3	PASS
Band85	Stand-Alone	NaN	QPSK	134004	1@0	15kHz	20.98	20.97	0.125	3	PASS
Band85	Stand-Alone	NaN	QPSK	134004	1@0	3.75kHz	20.63	20.62	0.115	3	PASS
Band85	Stand-Alone	NaN	QPSK	134004	3@3	15kHz	21.11	21.1	0.129	3	PASS
Band85	Stand-Alone	NaN	QPSK	134004	1@47	3.75kHz	20.57	20.56	0.114	3	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	20.79	20.78	0.120	3	PASS
Band85	Stand-Alone	NaN	QPSK	134092	3@3	15kHz	20.95	20.94	0.124	3	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	20.38	20.37	0.109	3	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	20.73	20.72	0.118	3	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	20.3	20.29	0.107	3	PASS
Band85	Stand-Alone	NaN	QPSK	134180	1@0	15kHz	20.82	20.81	0.121	3	PASS
Band85	Stand-Alone	NaN	QPSK	134180	1@0	3.75kHz	20.6	20.59	0.115	3	PASS
Band85	Stand-Alone	NaN	QPSK	134180	1@11	15kHz	20.76	20.75	0.119	3	PASS
Band85	Stand-Alone	NaN	QPSK	134180	3@3	15kHz	20.82	20.81	0.121	3	PASS
Band85	Stand-Alone	NaN	QPSK	134180	1@47	3.75kHz	20.54	20.53	0.113	3	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@11	15kHz	7.74	7.73	0.006	3	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@0	15kHz	7.83	7.82	0.006	3	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@0	3.75kHz	7.86	7.85	0.006	3	PASS
Band85	Stand-Alone	NaN	QPSK	134181	3@3	15kHz	7.67	7.66	0.006	3	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@47	3.75kHz	7.79	7.78	0.006	3	PASS
Band85	Stand-Alone	NaN	BPSK	134003	3@3	15kHz	8.12	8.11	0.006	3	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@11	15kHz	8.15	8.14	0.007	3	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@0	15kHz	8.19	8.18	0.007	3	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@47	3.75kHz	8.08	8.07	0.006	3	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@0	3.75kHz	8.11	8.1	0.006	3	PASS
Band85	Stand-Alone	NaN	BPSK	134004	1@11	15kHz	20.8	20.79	0.120	3	PASS
Band85	Stand-Alone	NaN	BPSK	134004	1@0	15kHz	20.84	20.83	0.121	3	PASS
Band85	Stand-Alone	NaN	BPSK	134004	1@47	3.75kHz	20.51	20.5	0.112	3	PASS
Band85	Stand-Alone	NaN	BPSK	134004	1@0	3.75kHz	20.53	20.52	0.113	3	PASS
Band85	Stand-Alone	NaN	BPSK	134004	3@3	15kHz	21.11	21.1	0.129	3	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@0	15kHz	20.66	20.65	0.116	3	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@11	15kHz	20.6	20.59	0.115	3	PASS
Band85	Stand-Alone	NaN	BPSK	134092	3@3	15kHz	20.94	20.93	0.124	3	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@0	3.75kHz	20.27	20.26	0.106	3	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@47	3.75kHz	20.25	20.24	0.106	3	PASS
Band85	Stand-Alone	NaN	BPSK	134180	1@0	15kHz	20.65	20.64	0.116	3	PASS
Band85	Stand-Alone	NaN	BPSK	134180	1@11	15kHz	20.63	20.62	0.115	3	PASS
Band85	Stand-Alone	NaN	BPSK	134180	1@47	3.75kHz	20.48	20.47	0.111	3	PASS
Band85	Stand-Alone	NaN	BPSK	134180	1@0	3.75kHz	20.48	20.47	0.111	3	PASS
Band85	Stand-Alone	NaN	BPSK	134180	3@3	15kHz	20.81	20.8	0.120	3	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@0	15kHz	7.77	7.76	0.006	3	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@11	15kHz	7.72	7.71	0.006	3	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@0	3.75kHz	7.82	7.81	0.006	3	PASS
Band85	Stand-Alone	NaN	BPSK	134181	3@3	15kHz	7.67	7.66	0.006	3	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@47	3.75kHz	7.76	7.75	0.006	3	PASS

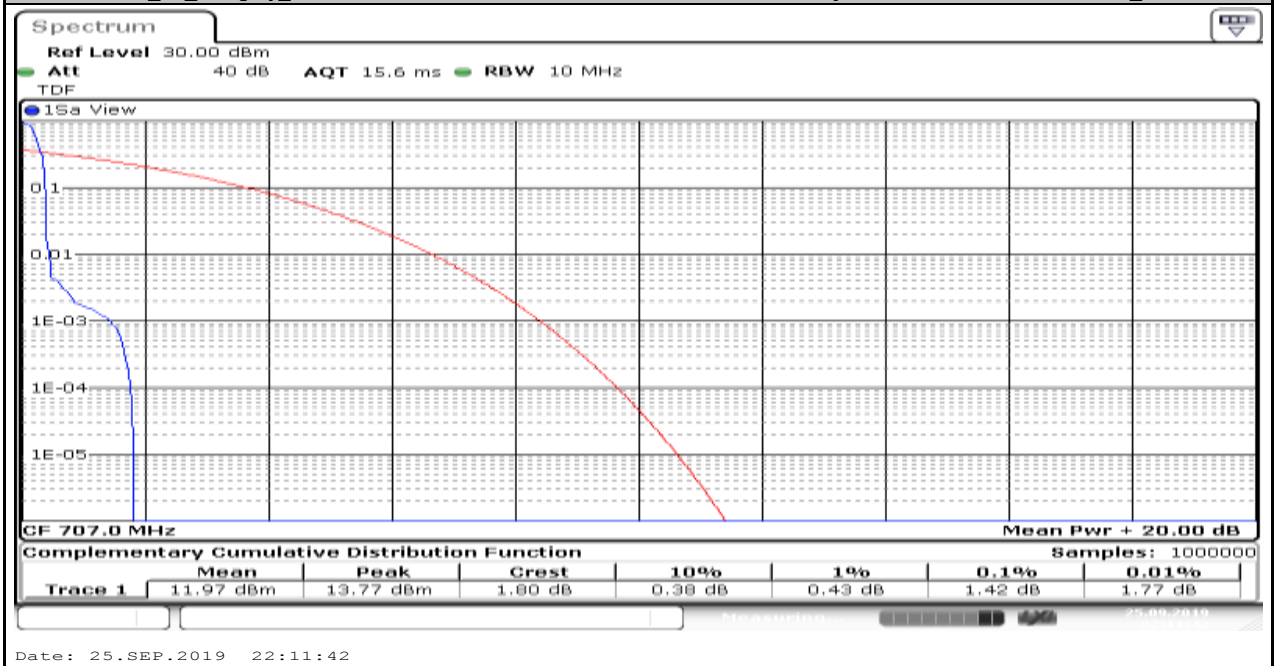
Appendix K.2: Peak-to-Average Ratio(CCDF) for NB

Test Result

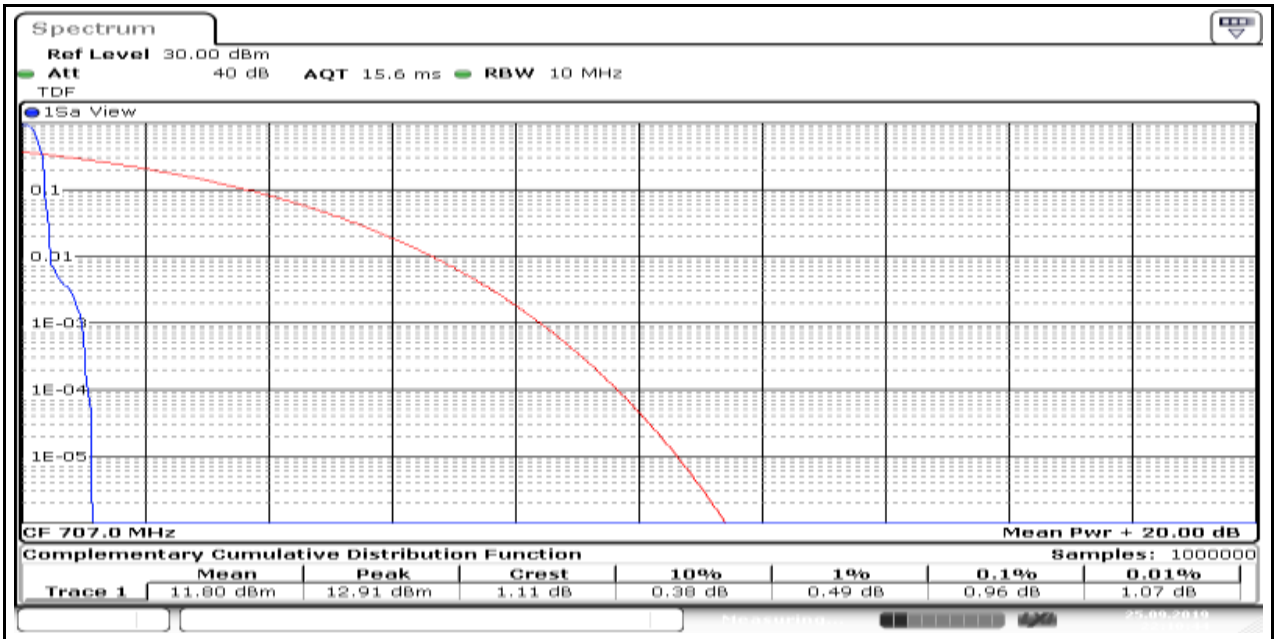
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Result (dB)	Limit (dB)	Verdict
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	1.42	<=13	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	0.96	<=13	PASS
Band85	Stand-Alone	NaN	QPSK	134092	3@3	15kHz	12.93	<=13	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@11	15kHz	4.35	<=13	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	5.54	<=13	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@47	3.75kHz	4.64	<=13	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@0	3.75kHz	0.81	<=13	PASS
Band85	Stand-Alone	NaN	BPSK	134092	3@3	15kHz	9.68	<=13	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@11	15kHz	2.38	<=13	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@0	15kHz	8.32	<=13	PASS

Test Graphs

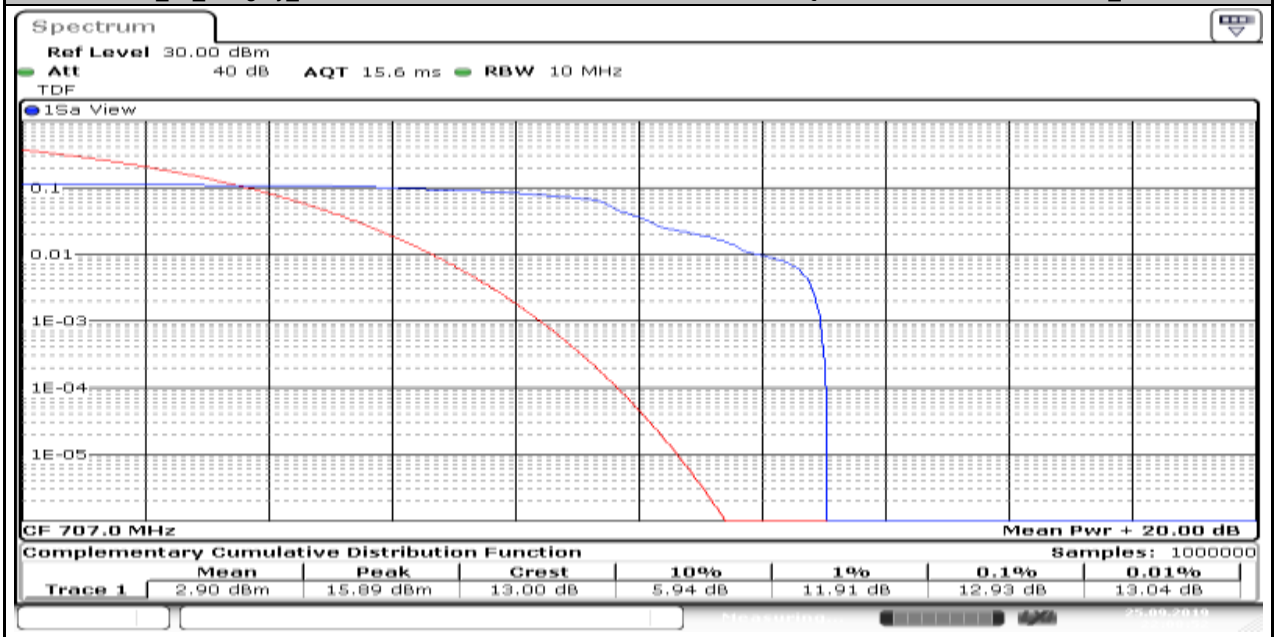
Band85_Stand-Alone_NaN_QPSK_134092_1@47_3.75kHz_1.42_<=13_PASS_FCC_ME910G1\FCC_NBIOT_NTNV\Band85\CCDF_for_category_NB-Band85-Stand-Alone-NaN-134092-1@47@3.75kHz-QPSK-NTNV-201992521335.Gif_



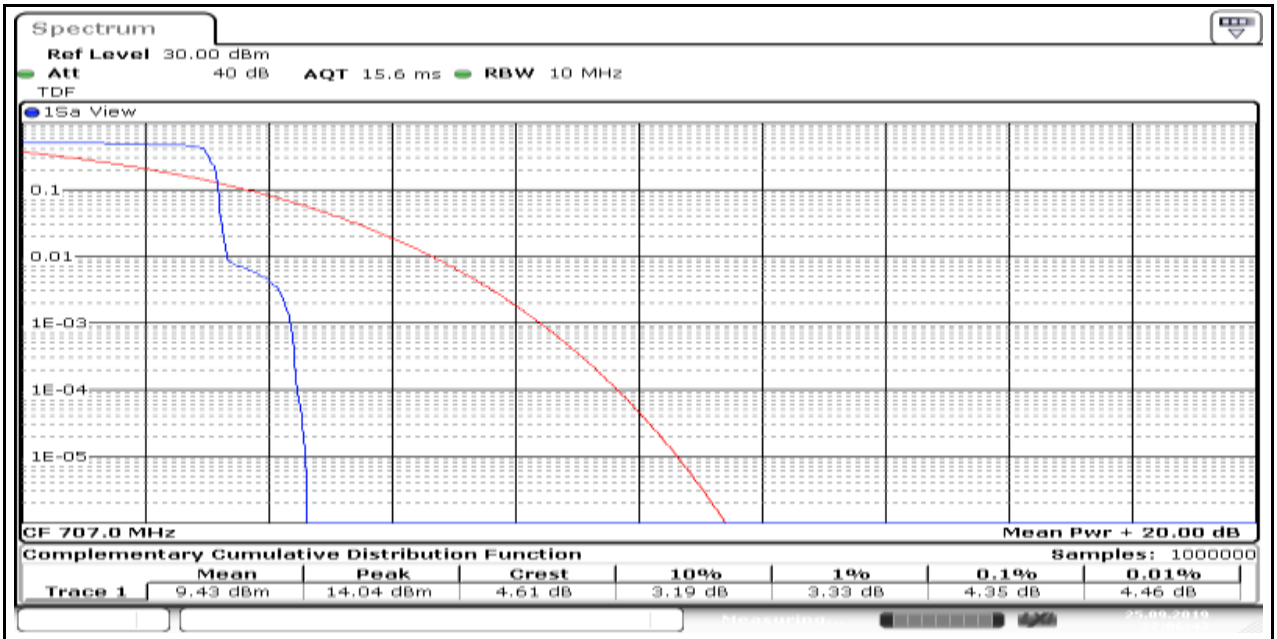
Band85_Stand-Alone_NaN_QPSK_134092_1@0_3.75kHz_0.96_<=13_PASS_FCC_ME910G1\FCC_NBIOT_NTNV\Band85\CCDF_for_category_NB-Band85-Stand-Alone-NaN-134092-1@0@3.75kHz-QPSK-NTNV-201992521236.Gif_



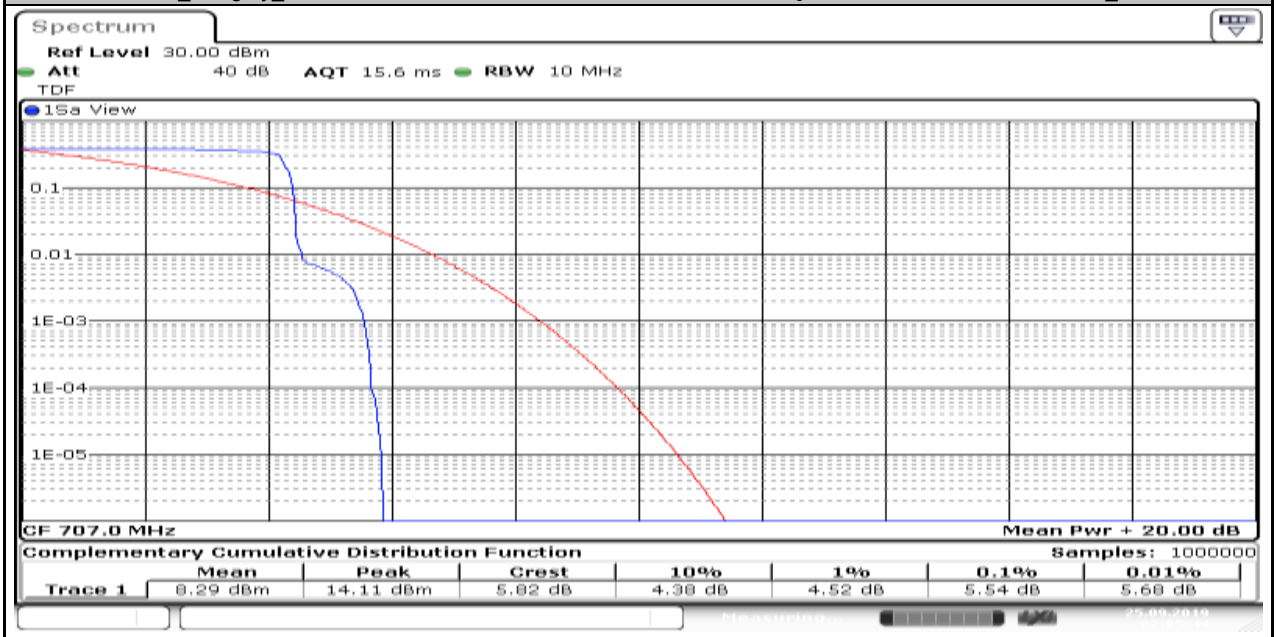
Band85_Stand-Alone_NaN_QPSK_134092_3@3_15kHz_12.93_<=13_PASS_FCC_ME910G1\FCC_NBIOT_NTNV\Band85\CCDF_for_category_NB-Band85-Stand-Alone-NaN-134092-3@3@15kHz-QPSK-NTNV-201992521044.Gif_



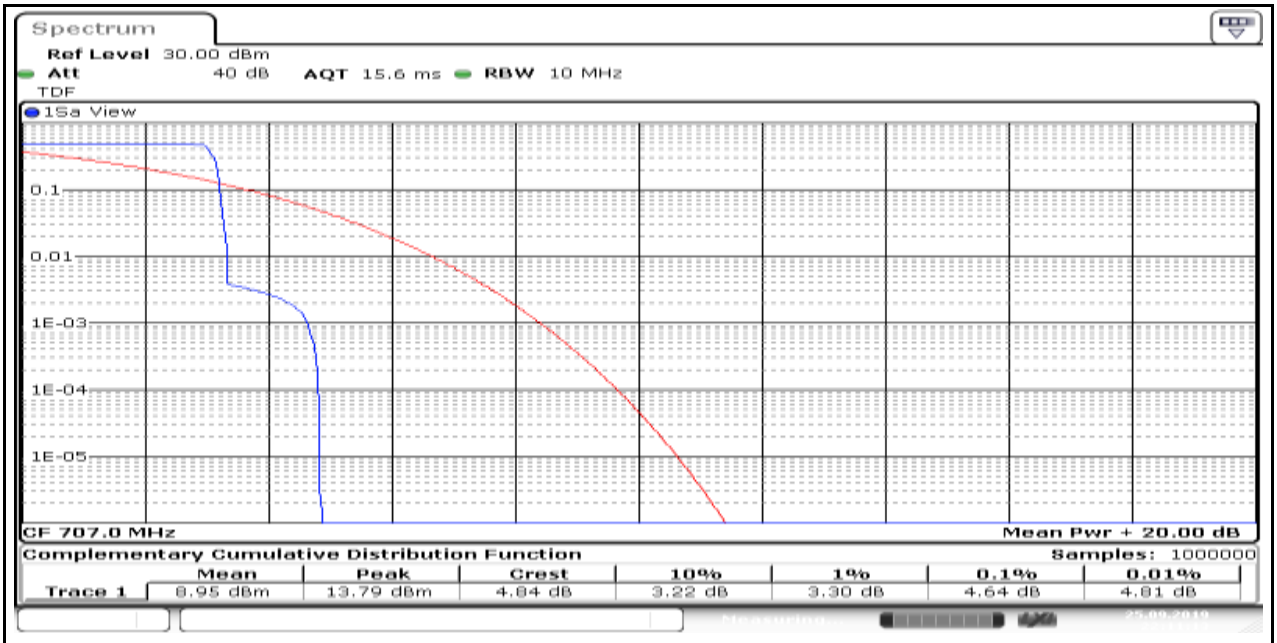
Band85_Stand-Alone_NaN_QPSK_134092_1@11_15kHz_4.35_<=13_PASS_FCC_ME910G1\FCC_NBIOT_NTNV\Band85\CCDF_for_category_NB-Band85-Stand-Alone-NaN-134092-1@11@15kHz-QPSK-NTNV-2019925205835.Gif_



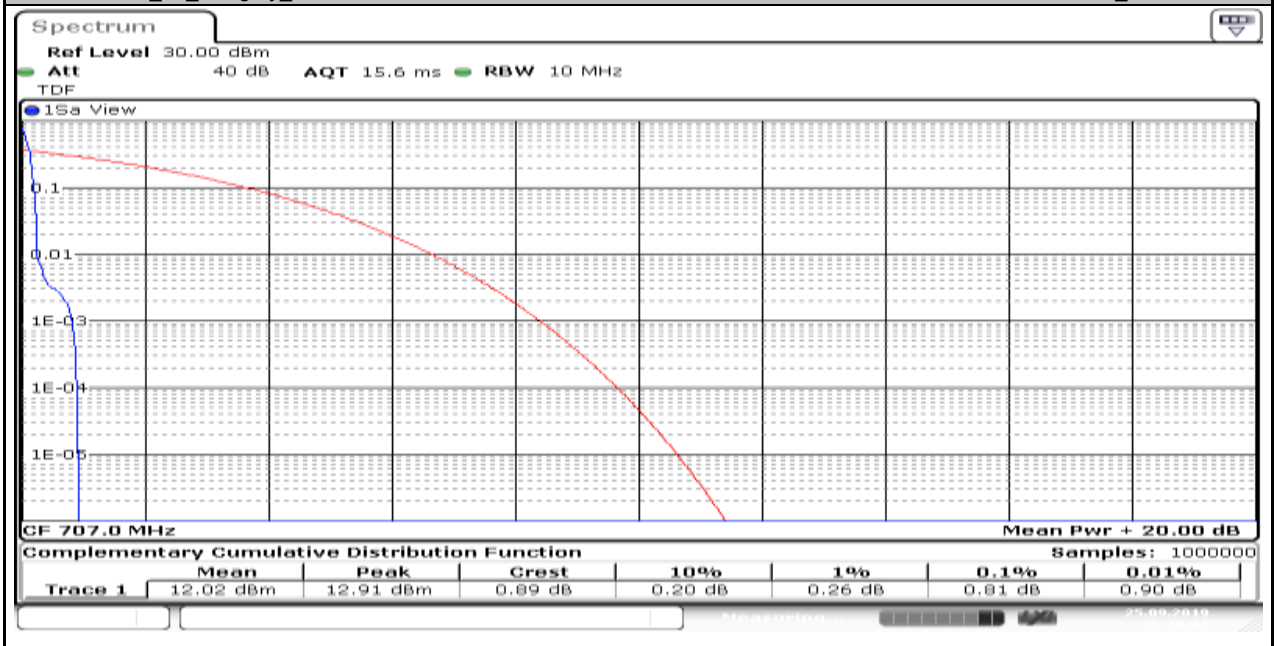
Band85_Stand-Alone_NaN_QPSK_134092_1@0_15kHz_5.54_<=13_PASS_FCC_ME910G1\FCC_NBIOT_NTNV\Band85\CCDF_for_category_NB-Band85-Stand-Alone-NaN-134092-1@0@15kHz-QPSK-NTNV-2019925205737.Gif_



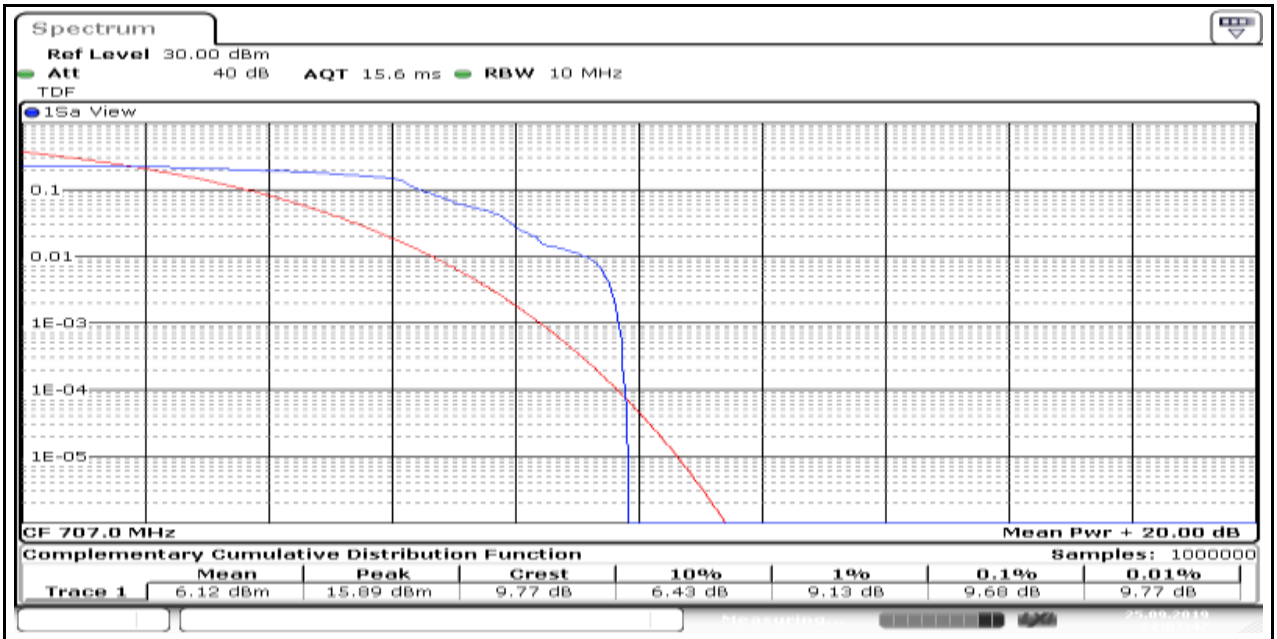
Band85_Stand-Alone_NaN_BPSK_134092_1@47_3.75kHz_4.64_<=13_PASS_FCC_ME910G1\FCC_NBIOT_NTNV\Band85\CCDF_for_category_NB-Band85-Stand-Alone-NaN-134092-1@47@3.75kHz-BPSK-NTNV-20199252135.Gif_



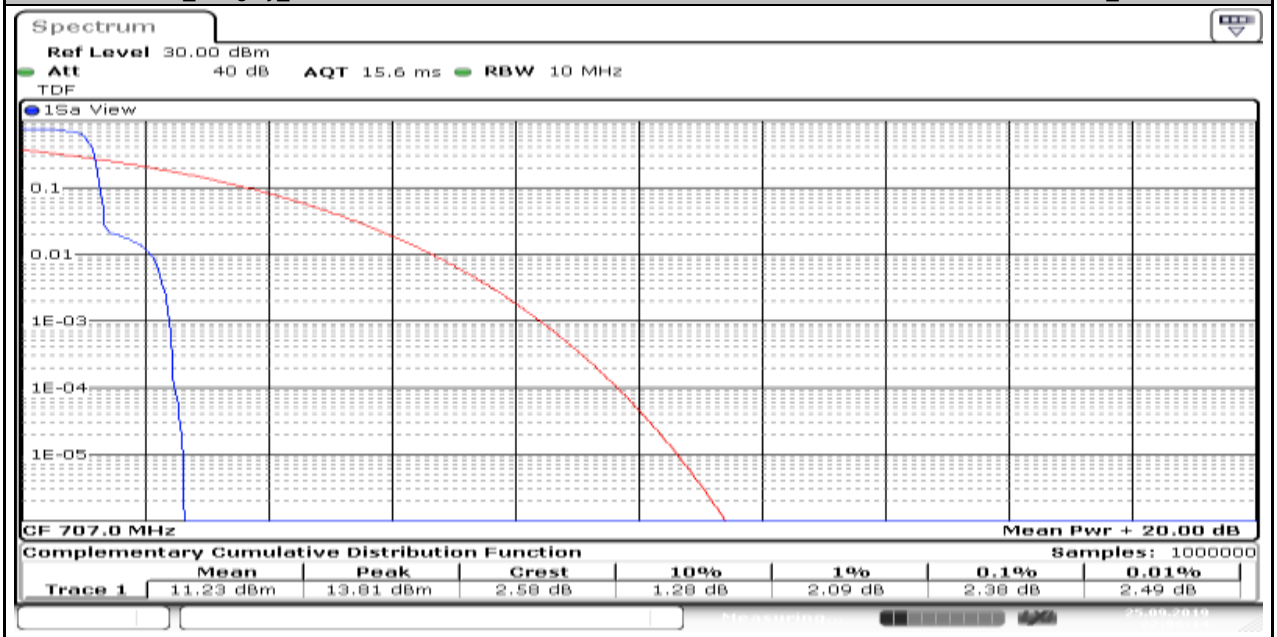
Band85_Stand-Alone_NaN_BPSK_134092_1@0_3.75kHz_0.81_<=13_PASS_FCC_ME910G1\FCC_NBIOT_NTNV\Band85\CCDF_for_category_NB-Band85-Stand-Alone-NaN-134092-1@0@3.75kHz-BPSK-NTNV-201992521155.Gif_



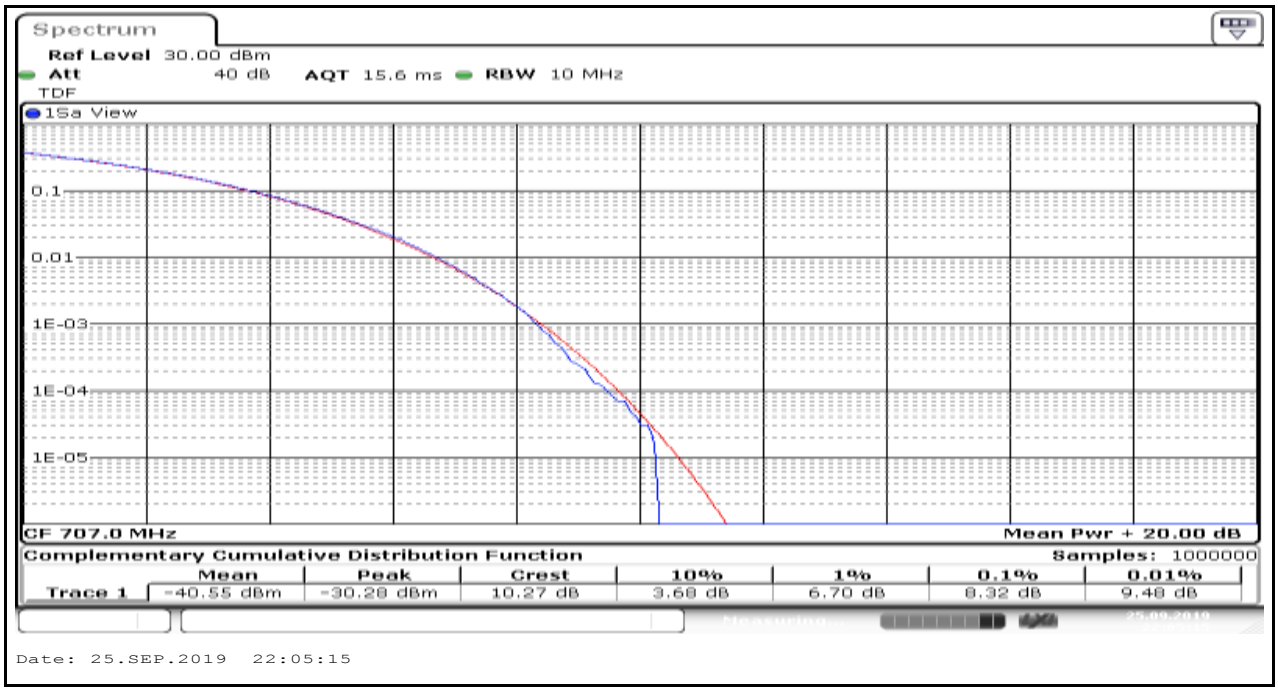
Band85_Stand-Alone_NaN_BPSK_134092_3@3_15kHz_9.68_<=13_PASS_FCC_ME910G1\FCC_NBIOT_NTNV\Band85\CCDF_for_category_NB-Band85-Stand-Alone-NaN-134092-3@3@15kHz-BPSK-NTNV-2019925205939.Gif_



Band85_Stand-Alone_NaN_BPSK_134092_1@11_15kHz_2.38_<=13_PASS_FCC_ME910G1\FCC_NBIOT_NTNV\Band85\CCDF_for_category_NB-Band85-Stand-Alone-NaN-134092-1@11@15kHz-BPSK-NTNV-201992520586.Gif_



Band85_Stand-Alone_NaN_BPSK_134092_1@0_15kHz_8.32_<=13_PASS_FCC_ME910G1\FCC_NBIOT_NTNV\Band85\CCDF_for_category_NB-Band85-Stand-Alone-NaN-134092-1@0@15kHz-BPSK-NTNV-201992520577.Gif_


Spectrum
Ref Level 30.00 dBm
Att 40 dB
AQT 15.6 ms
RBW 10 MHz
TDF
1Sa View
0.1
0.01
1E-03
1E-04
1E-05
CF 707.0 MHz
Mean Pwr + 20.00 dB
Complementary Cumulative Distribution Function
Samples: 1000000
Mean
Peak
Crest
10%
1%
0.1%
0.01%
Trace 1
-40.55 dBm
-30.28 dBm
10.27 dB
3.68 dB
6.70 dB
8.32 dB
9.48 dB
Date: 25.SEP.2019 22:05:15

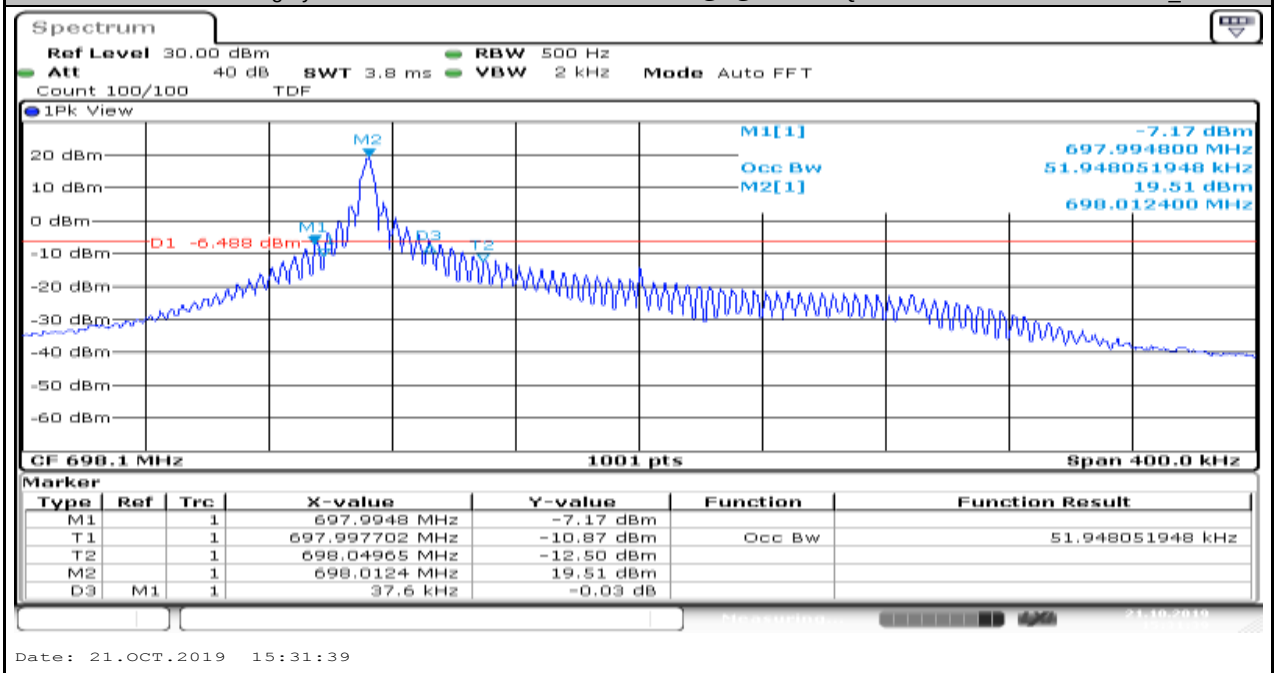
Appendix K.3: 26dB Emission Bandwidth and Occupied Bandwidth for NB

Test Result

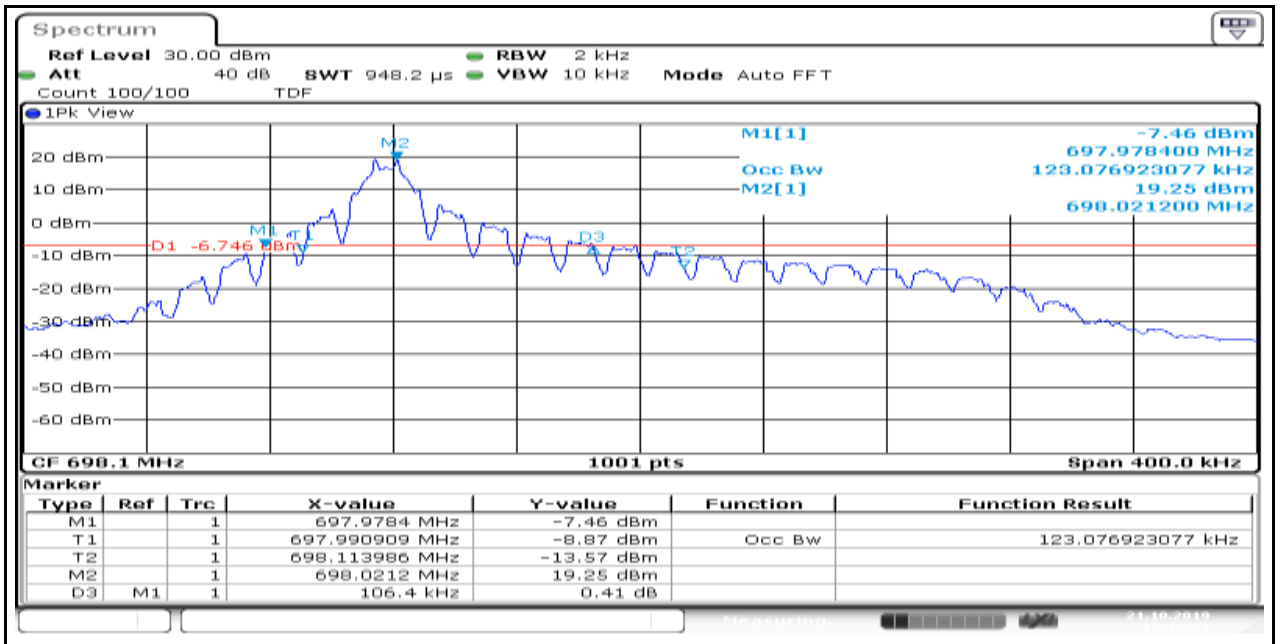
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)	Verdict
Band85	Stand-Alone	NaN	QPSK	134003	1@0	3.75kHz	0.038	0.052	PASS
Band85	Stand-Alone	NaN	QPSK	134003	1@0	15kHz	0.106	0.123	PASS
Band85	Stand-Alone	NaN	QPSK	134003	12@0	15kHz	0.250	0.184	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	0.038	0.052	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	15kHz	0.106	0.124	PASS
Band85	Stand-Alone	NaN	QPSK	134092	12@0	15kHz	0.250	0.184	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@0	3.75kHz	0.038	0.053	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@0	15kHz	0.106	0.123	PASS
Band85	Stand-Alone	NaN	QPSK	134181	12@0	15kHz	0.250	0.184	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@0	3.75kHz	0.038	0.053	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@0	15kHz	0.106	0.123	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@0	3.75kHz	0.038	0.053	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@0	15kHz	0.106	0.123	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@0	3.75kHz	0.038	0.052	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@0	15kHz	0.106	0.123	PASS

Test Graphs

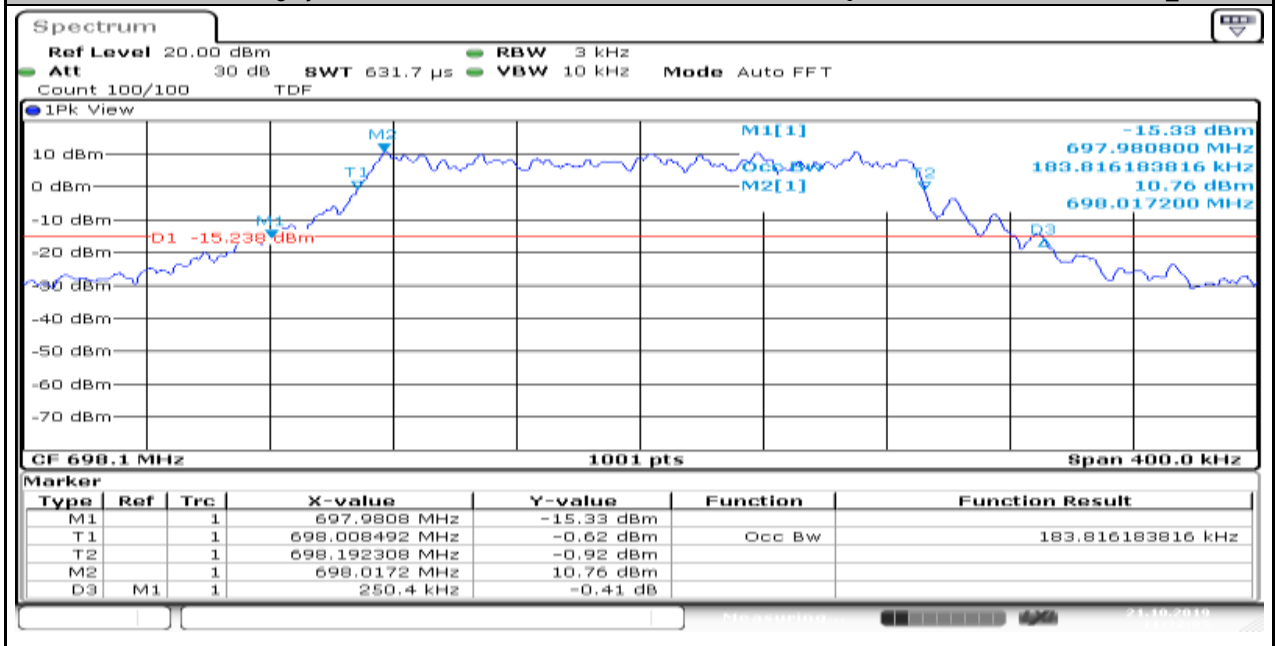
Band85_Stand-Alone_NaN_QPSK_134003_1@0_3.75kHz_0.038_PASS_FCC_NB_EBW\EBW\Band85\Occupied and emission bandwidth for category NB-Band85-Stand-Alone-NaN-134003-1@0@3.75kHz-QPSK-NTNV-20191021142317.Gif_



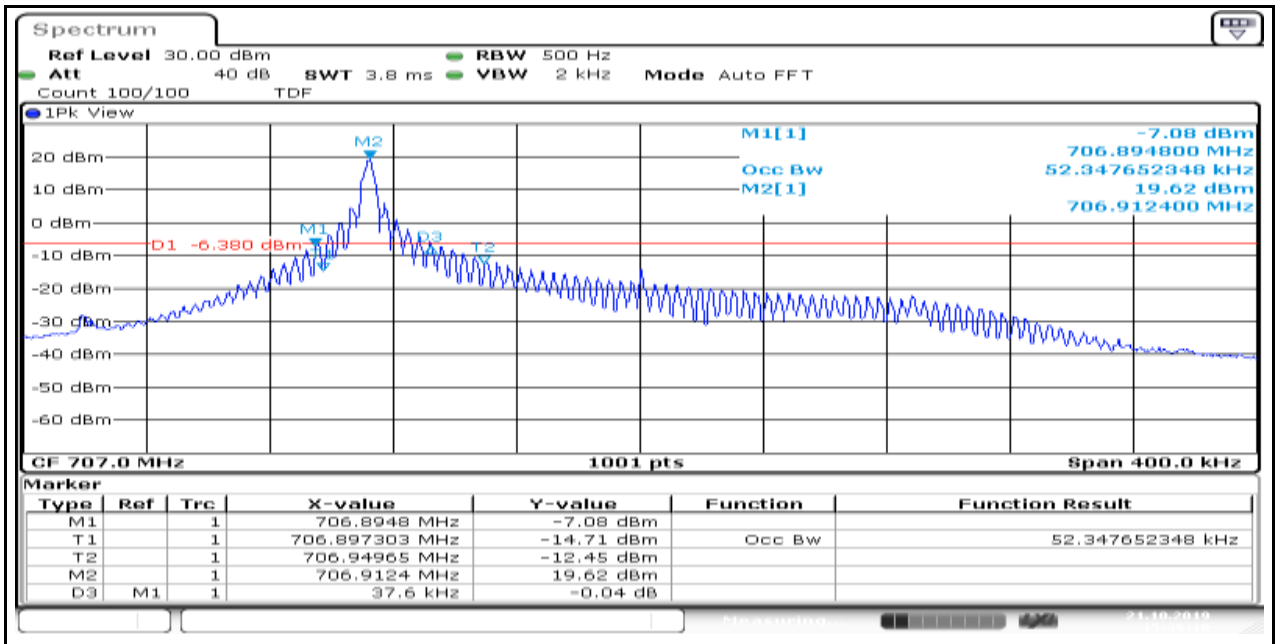
Band85_Stand-Alone_NaN_QPSK_134003_1@0_15kHz_0.106_PASS_FCC_NB_EBW\EBW\Band85\Occupied and emission bandwidth for category NB-Band85-Stand-Alone-NaN-134003-1@0@15kHz-QPSK-NTNV-20191021122832.Gif_



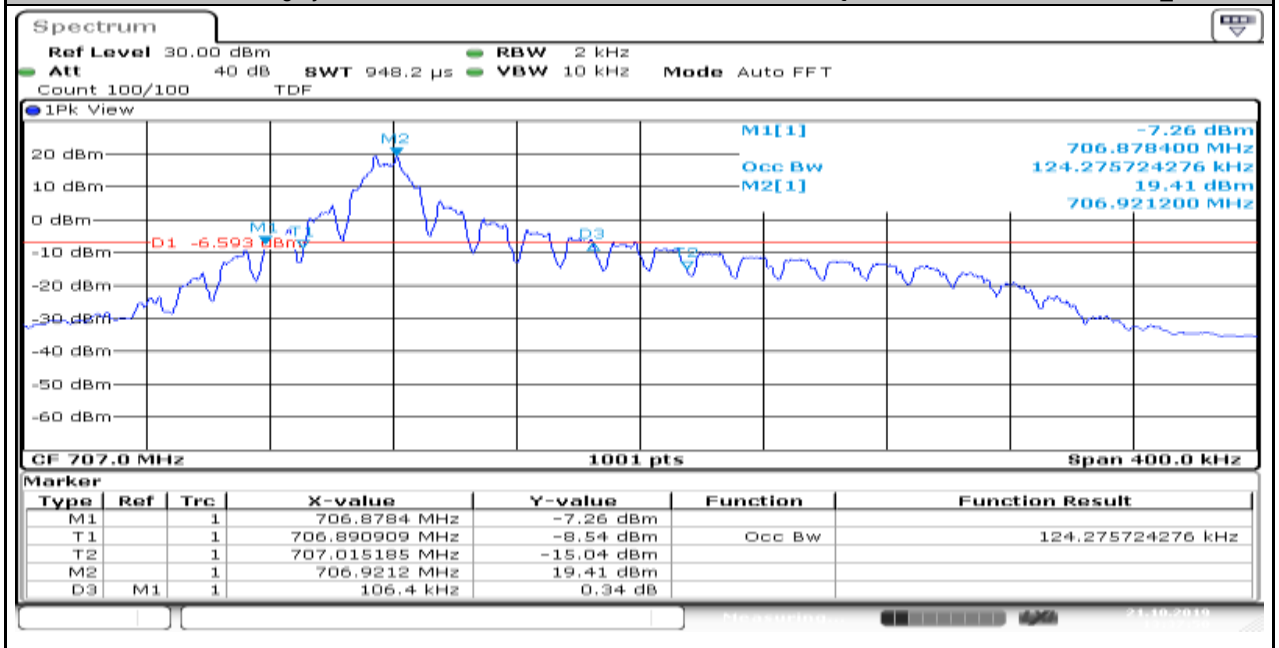
Band85_Stand-Alone_NaN_QPSK_134003_12@0_15kHz_0.250_PASS_FCC_NB_EBW\EBW\Band85\Occupied and emission bandwidth for category NB-Band85-Stand-Alone-NaN-134003-12@0@15kHz-QPSK-NTNV-20191021102343.Gif_



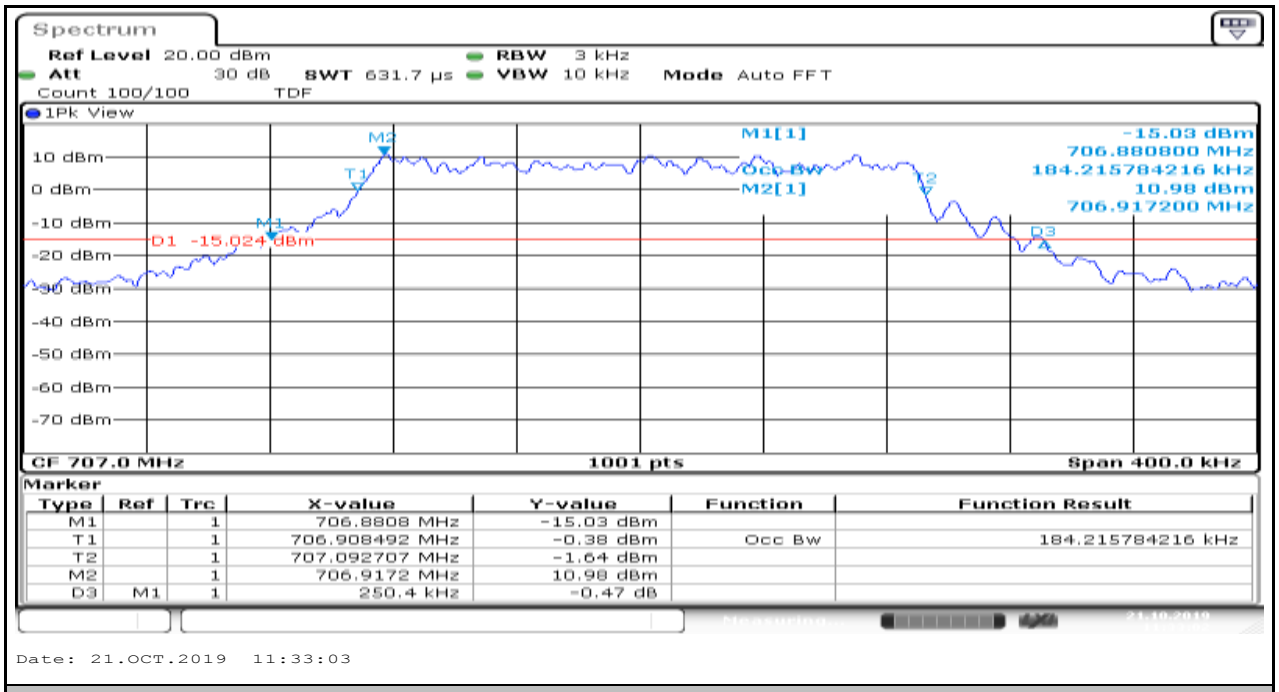
Band85_Stand-Alone_NaN_QPSK_134092_1@0_3.75kHz_0.038_PASS_FCC_NB_EBW\EBW\Band85\Occupied and emission bandwidth for category NB-Band85-Stand-Alone-NaN-134092-1@0@3.75kHz-QPSK-NTNV-20191021142747.Gif_



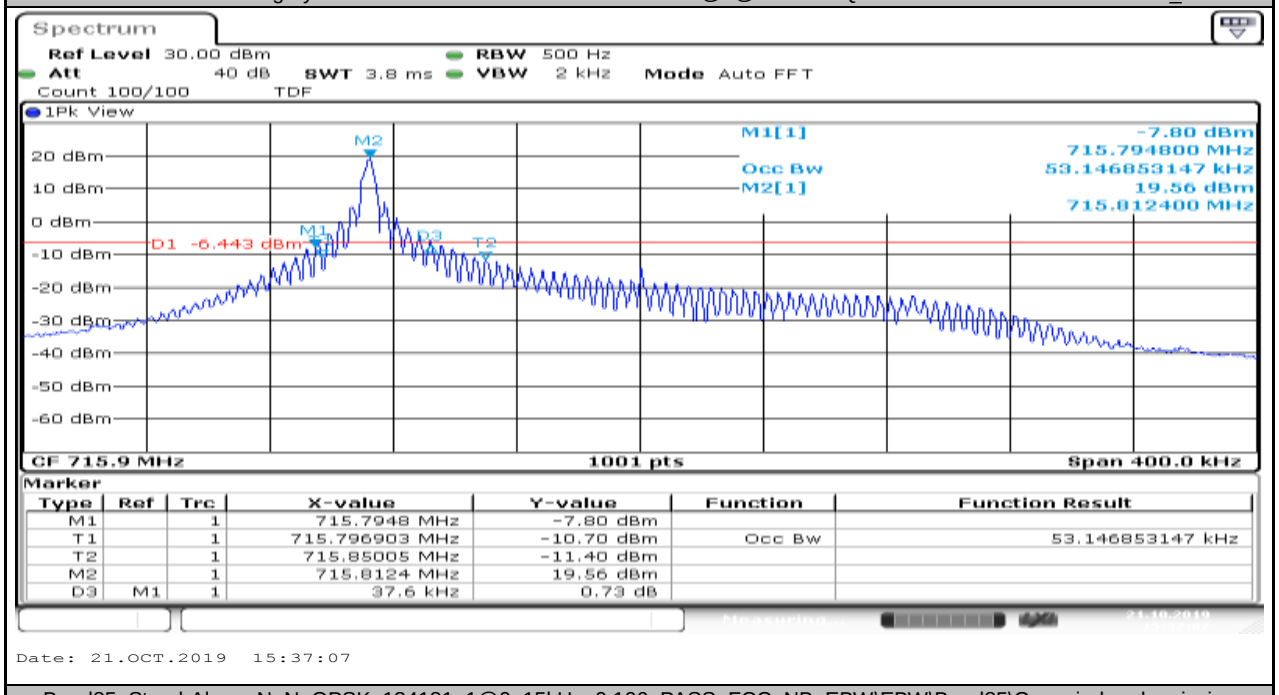
Band85_Stand-Alone_NaN_QPSK_134092_1@0_15kHz_0.106_PASS_FCC_NB_EBW\EBW\Band85\Occupied and emission bandwidth for category NB-Band85-Stand-Alone-NaN-134092-1@0@15kHz-QPSK-NTNV-20191021122929.Gif_



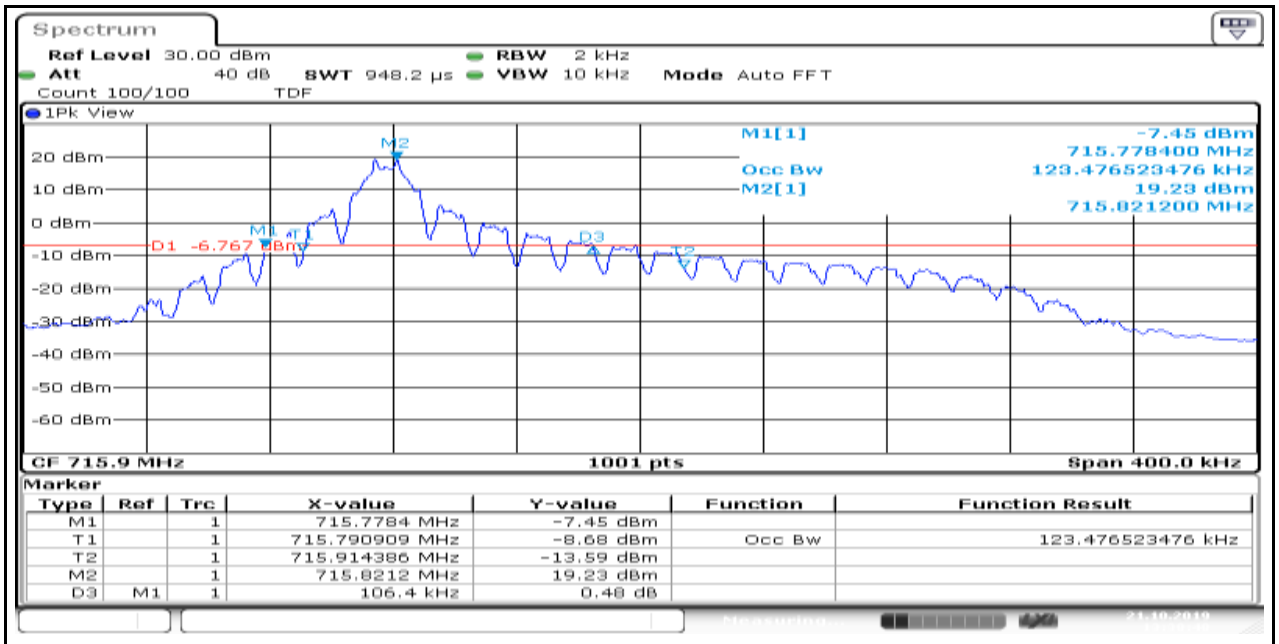
Band85_Stand-Alone_NaN_QPSK_134092_12@0_15kHz_0.250_PASS_FCC_NB_EBW\EBW\Band85\Occupied and emission bandwidth for category NB-Band85-Stand-Alone-NaN-134092-12@0@15kHz-QPSK-NTNV-20191021102441.Gif_



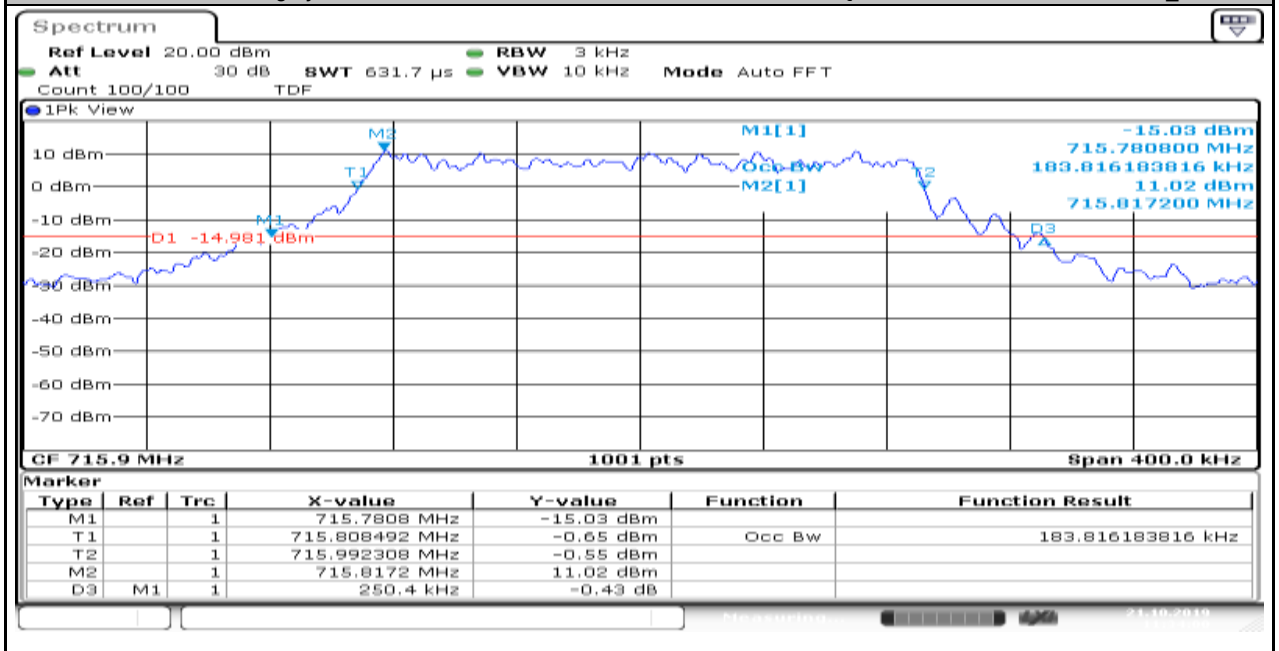
Band85_Stand-Alone_NaN_QPSK_134181_1@0_3.75kHz_0.038_PASS_FCC_NB_EBW\EBW\Band85\Occupied and emission bandwidth for category NB-Band85-Stand-Alone-NaN-134181-1@0@3.75kHz-QPSK-NTNV-20191021142845.Gif_



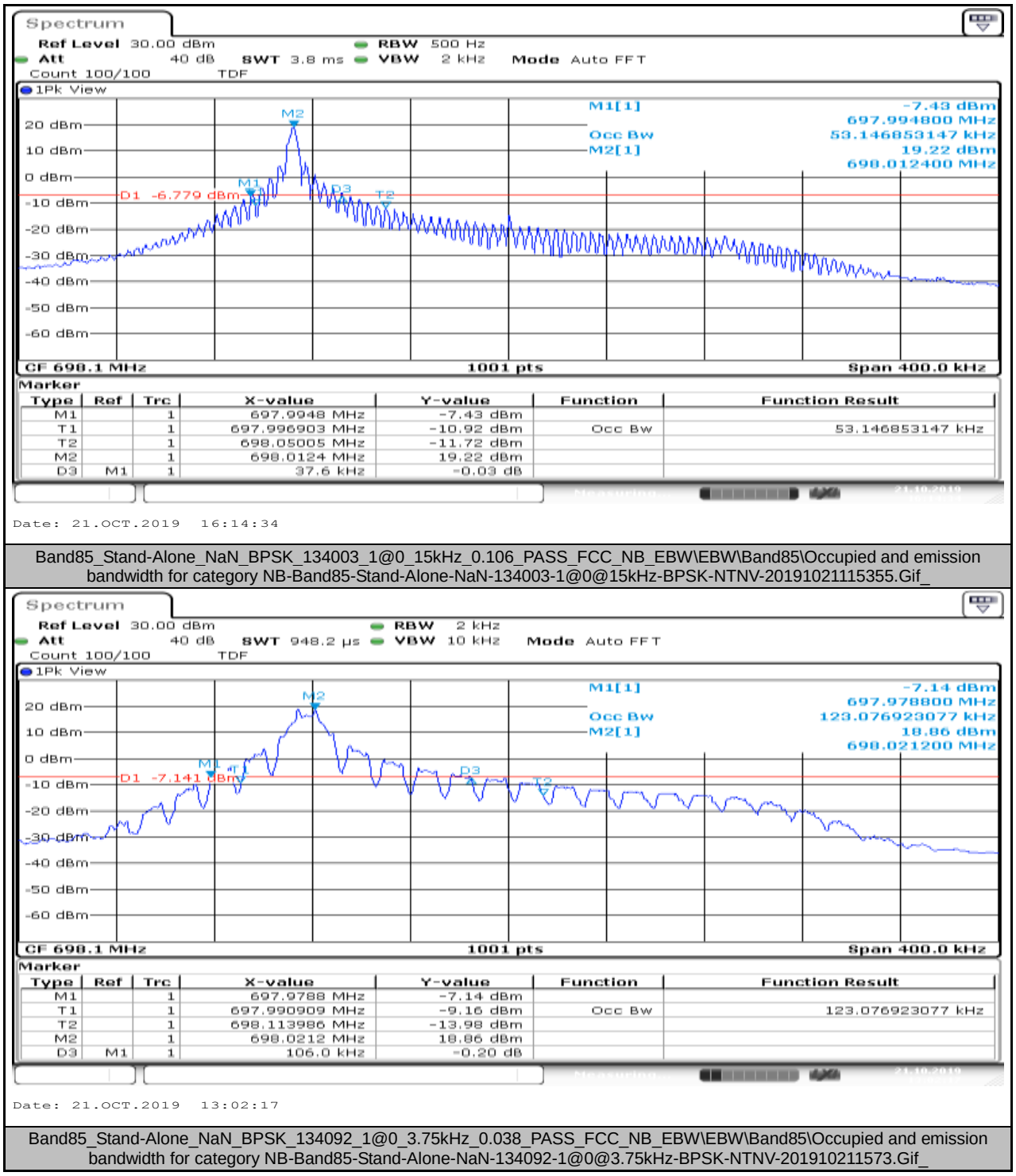
Band85_Stand-Alone_NaN_QPSK_134181_1@0_15kHz_0.106_PASS_FCC_NB_EBW\EBW\Band85\Occupied and emission bandwidth for category NB-Band85-Stand-Alone-NaN-134181-1@0@15kHz-QPSK-NTNV-20191021123026.Gif_



Band85_Stand-Alone_NaN_QPSK_134181_12@0_15kHz_0.250_PASS_FCC_NB_EBW\EBW\Band85\Occupied and emission bandwidth for category NB-Band85-Stand-Alone-NaN-134181-12@0@15kHz-QPSK-NTNV-20191021102538.Gif_

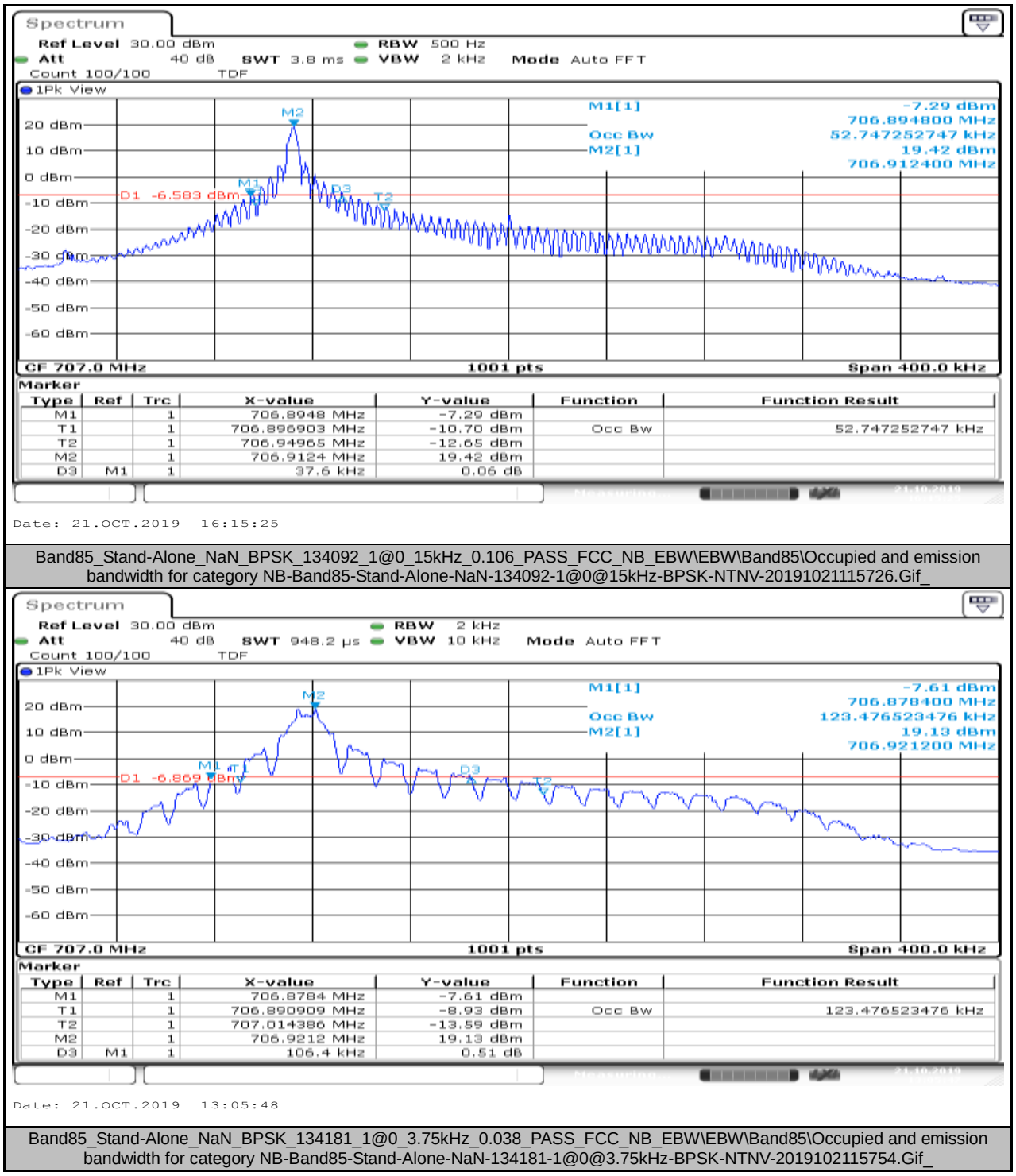


Band85_Stand-Alone_NaN_BPSK_134003_1@0_3.75kHz_0.038_PASS_FCC_NB_EBW\EBW\Band85\Occupied and emission bandwidth for category NB-Band85-Stand-Alone-NaN-134003-1@0@3.75kHz-BPSK-NTNV-2019102115612.Gif_



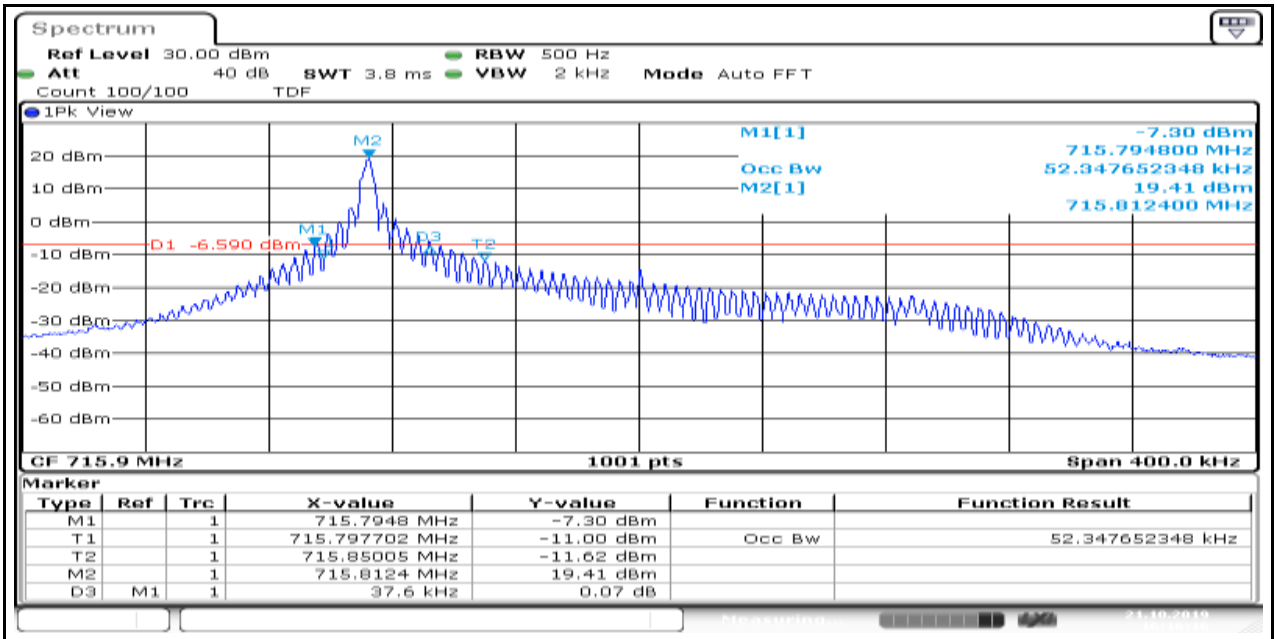
Band85_Stand-Alone_NaN_BPSK_134003_1@0_15kHz_0.106_PASS_FCC_NB_EBW\EBW\Band85\Occupied and emission bandwidth for category NB-Band85-Stand-Alone-NaN-134003-1@0@15kHz-BPSK-NTNV-20191021115355.Gif_

Band85_Stand-Alone_NaN_BPSK_134092_1@0_3.75kHz_0.038_PASS_FCC_NB_EBW\EBW\Band85\Occupied and emission bandwidth for category NB-Band85-Stand-Alone-NaN-134092-1@0@3.75kHz-BPSK-NTNV-201910211573.Gif_

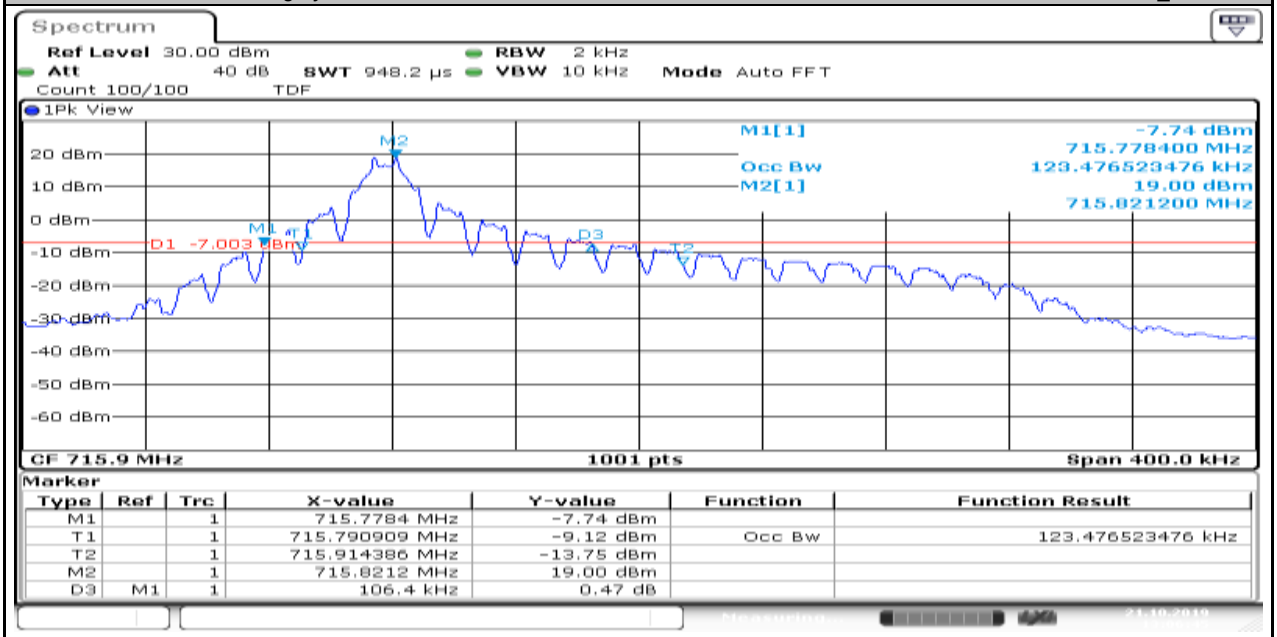


Band85_Stand-Alone_NaN_BPSK_134092_1@0_15kHz_0.106_PASS_FCC_NB_EBW\EBW\Band85\Occupied and emission bandwidth for category NB-Band85-Stand-Alone-NaN-134092-1@0@15kHz-BPSK-NTNV-20191021115726.Gif_

Band85_Stand-Alone_NaN_BPSK_134181_1@0_3.75kHz_0.038_PASS_FCC_NB_EBW\EBW\Band85\Occupied and emission bandwidth for category NB-Band85-Stand-Alone-NaN-134181-1@0@3.75kHz-BPSK-NTNV-2019102115754.Gif_



Band85_Stand-Alone_NaN_BPSK_134181_1@0_15kHz_0.106_PASS_FCC_NB_EBW\EBW\Band85\Occupied and emission bandwidth for category NB-Band85-Stand-Alone-NaN-134181-1@0@15kHz-BPSK-NTNV-20191021115823.Gif_



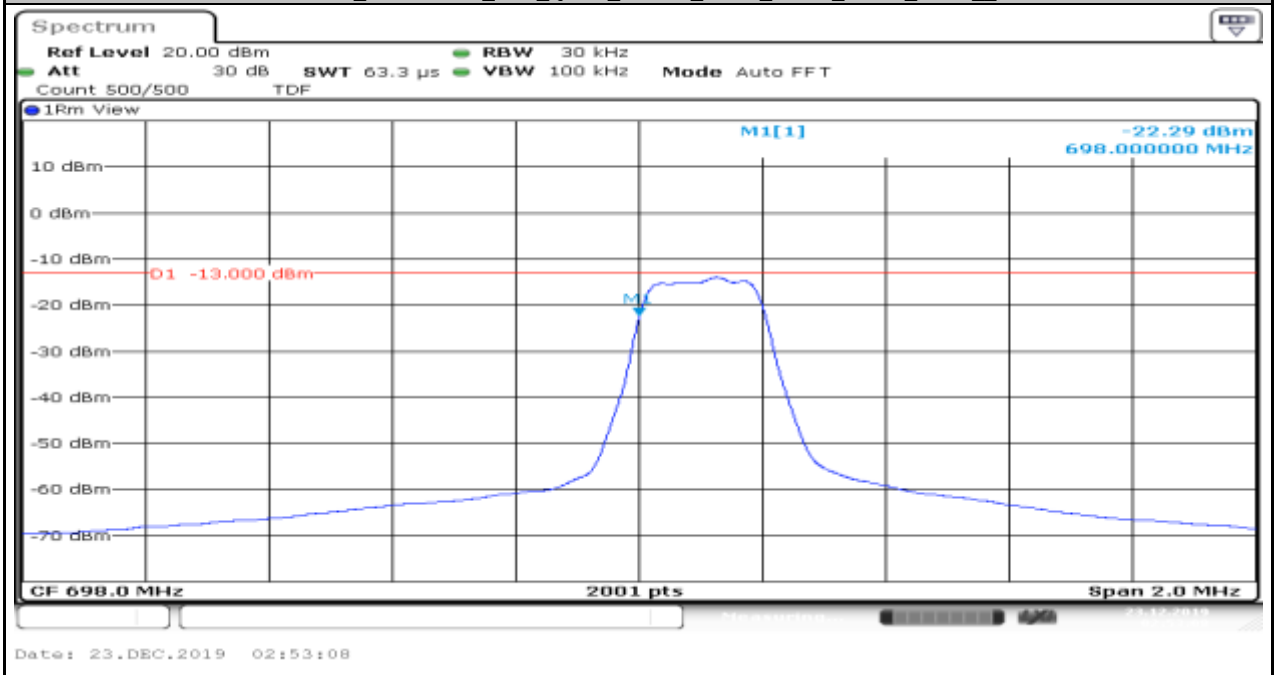
Appendix K.4: Band Edge for NB

Test Result

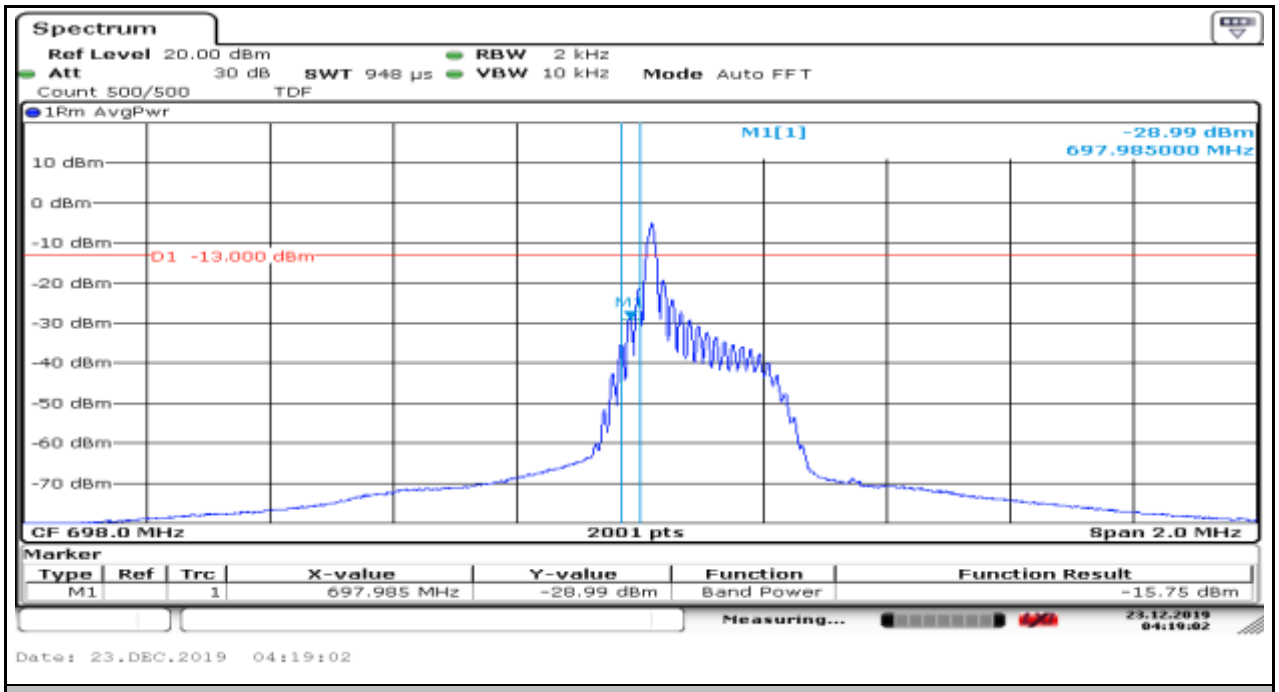
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Result (dBm)	Verdict
Band85	Stand-Alone	NaN	QPSK	134003	12@0	15kHz	-22.29	PASS
Band85	Stand-Alone	NaN	QPSK	134003	1@0	15kHz	-15.75	PASS
Band85	Stand-Alone	NaN	QPSK	134003	1@47	3.75kHz	-31.67	PASS
Band85	Stand-Alone	NaN	QPSK	134003	1@0	3.75kHz	-16.22	PASS
Band85	Stand-Alone	NaN	QPSK	134003	1@11	15kHz	-28.19	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@0	3.75kHz	-31.96	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@11	15kHz	-15.08	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@47	3.75kHz	-15.88	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@0	15kHz	-29.03	PASS
Band85	Stand-Alone	NaN	QPSK	134181	12@0	15kHz	-20.43	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@47	3.75kHz	-32.85	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@0	15kHz	-13.75	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@11	15kHz	-28.37	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@0	3.75kHz	-14.98	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@11	15kHz	-13.32	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@0	3.75kHz	-34.70	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@47	3.75kHz	-14.81	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@0	15kHz	-30.88	PASS

Test Graphs

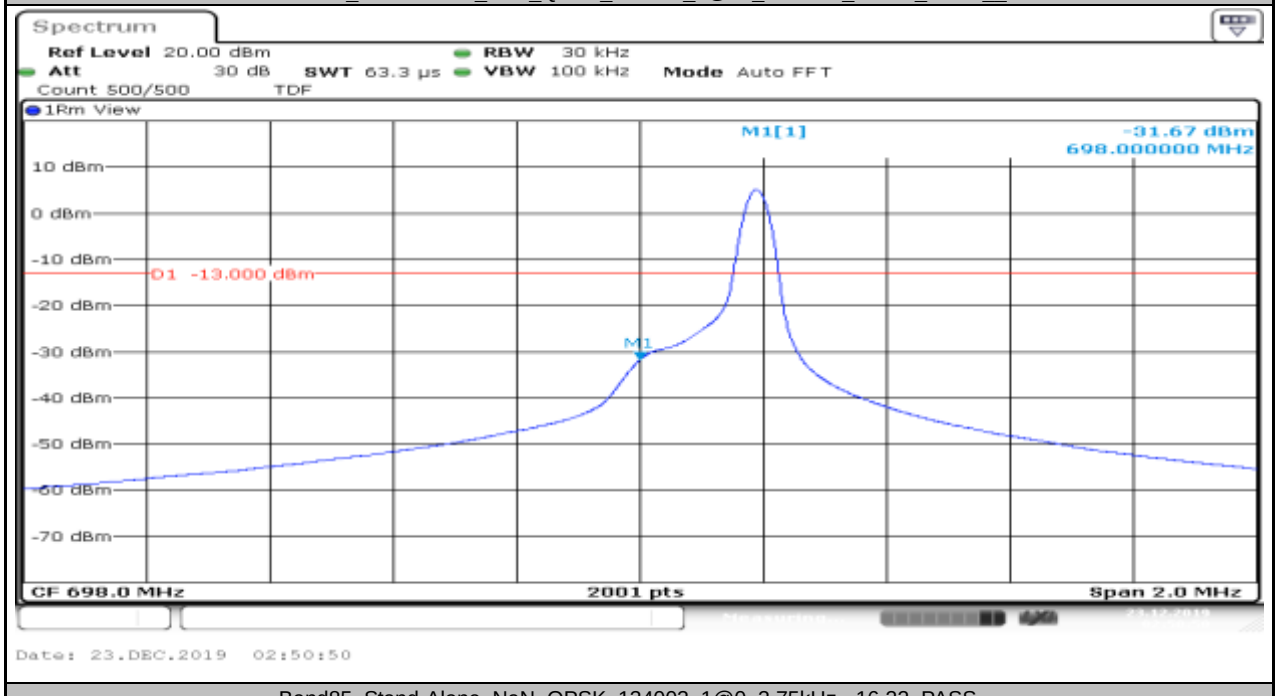
Band85_Stand-Alone_NaN_QPSK_134003_12@0_15kHz_-22.29_PASS__



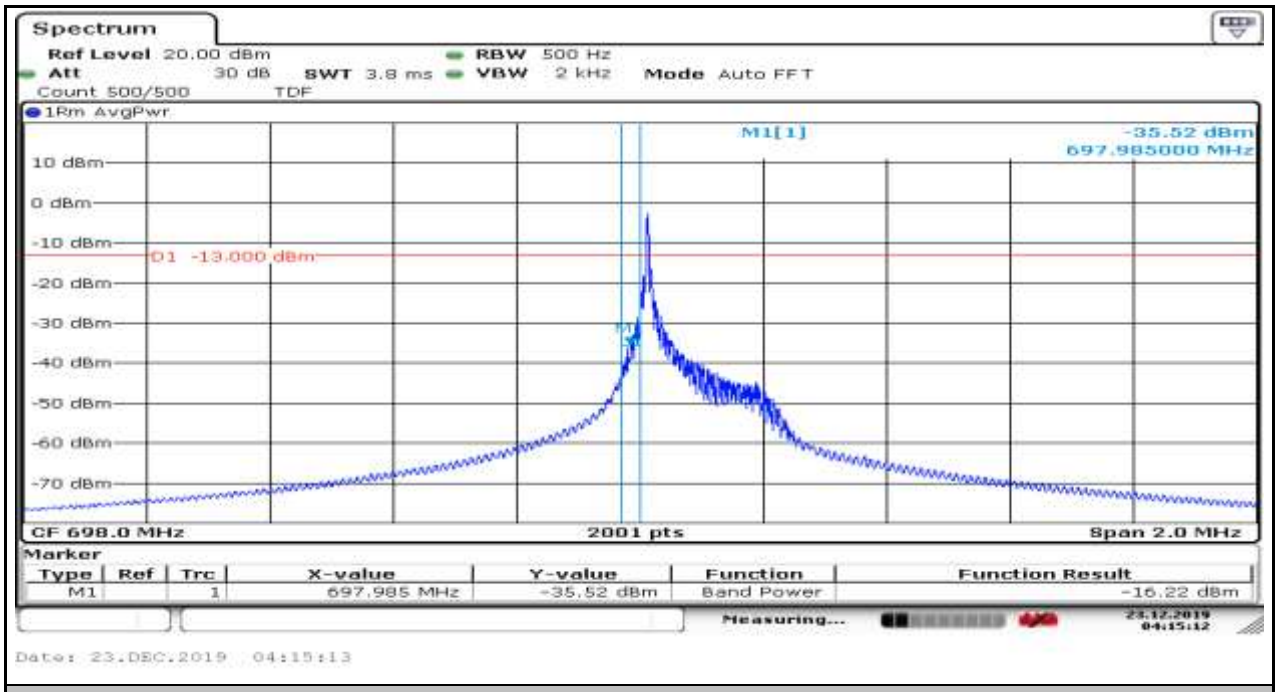
Band85_Stand-Alone_NaN_QPSK_134003_1@0_15kHz_-15.75_PASS__



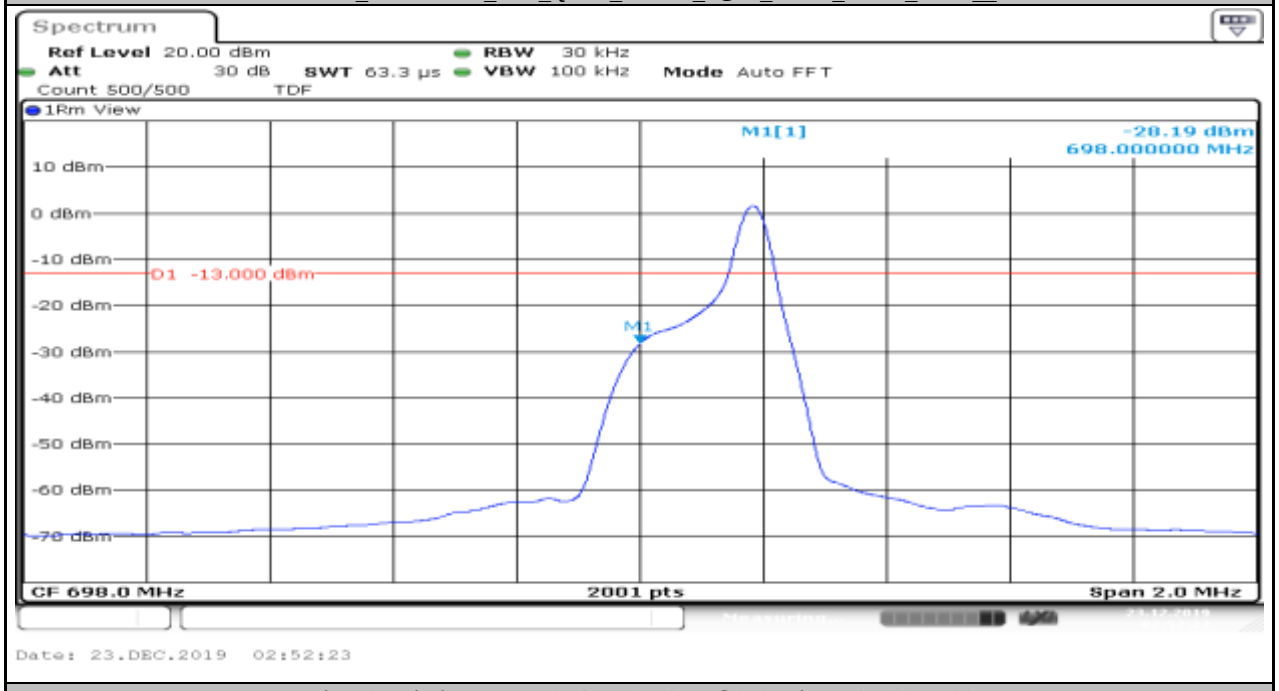
Band85_Stand-Alone_NaN_QPSK_134003_1@47_3.75kHz_-31.67_PASS__



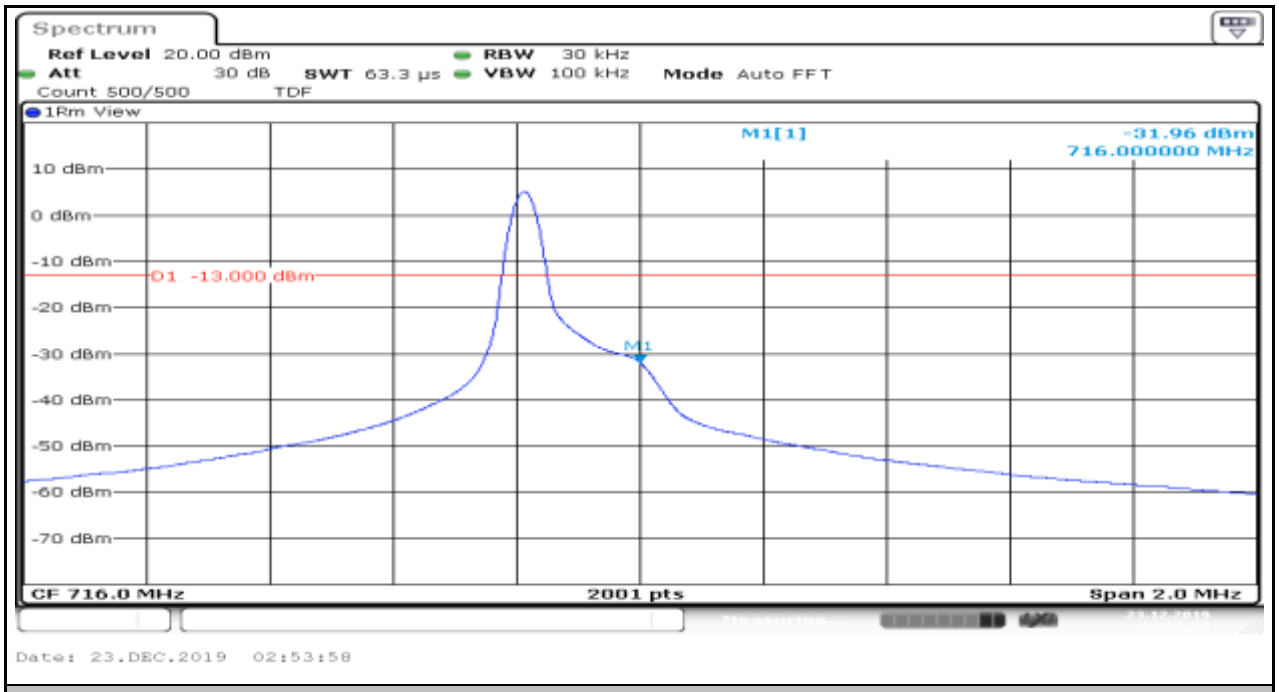
Band85_Stand-Alone_NaN_QPSK_134003_1@0_3.75kHz_-16.22_PASS__



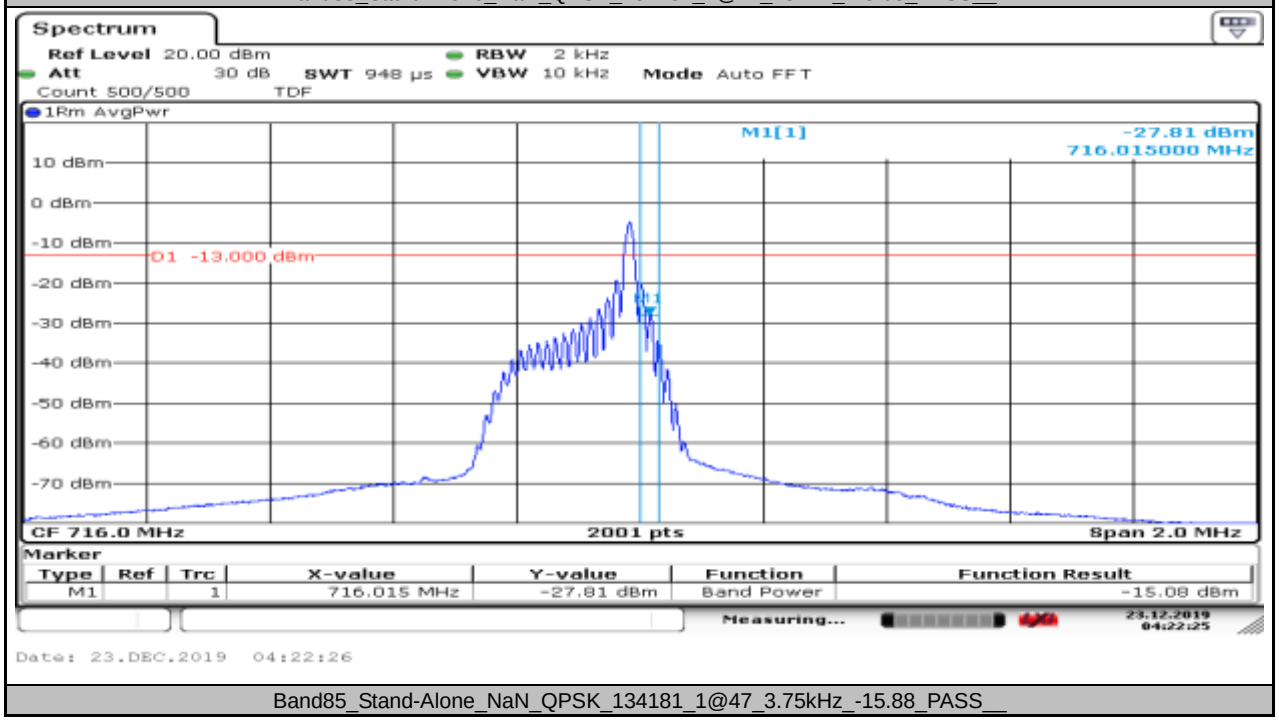
Band85_Stand-Alone_NaN_QPSK_134003_1@11_15kHz_-28.19_PASS__



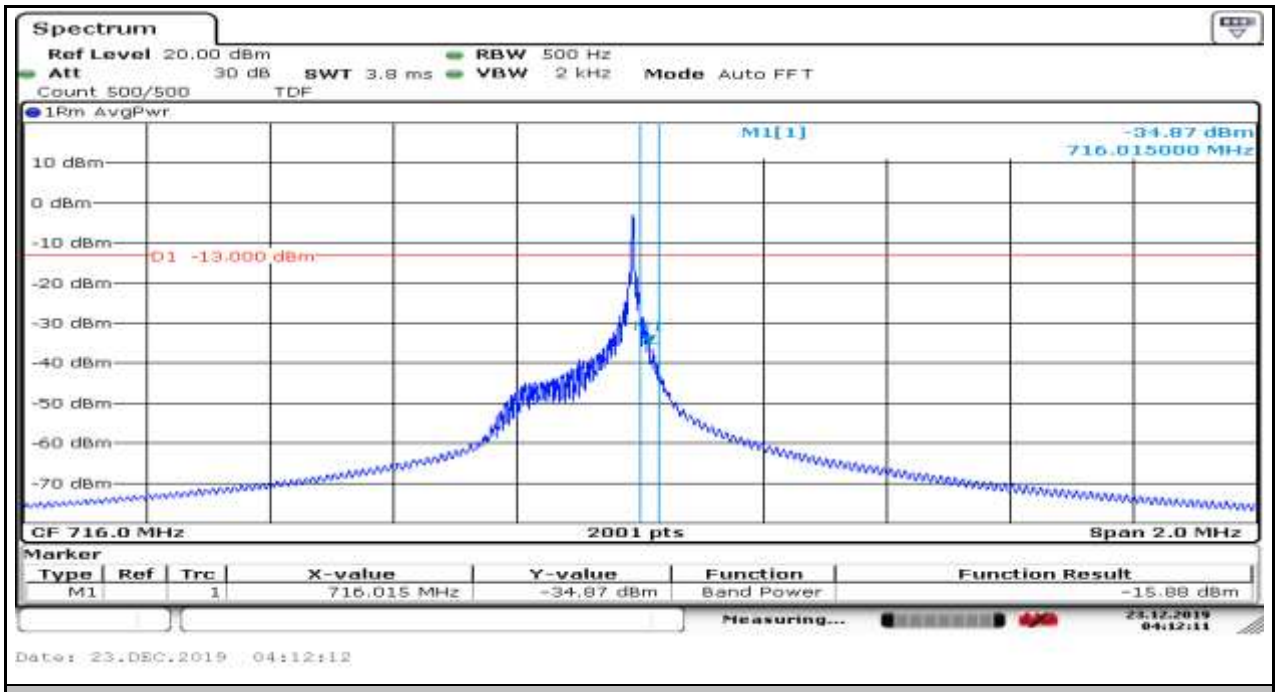
Band85_Stand-Alone_NaN_QPSK_134181_1@0_3.75kHz_-31.96_PASS__



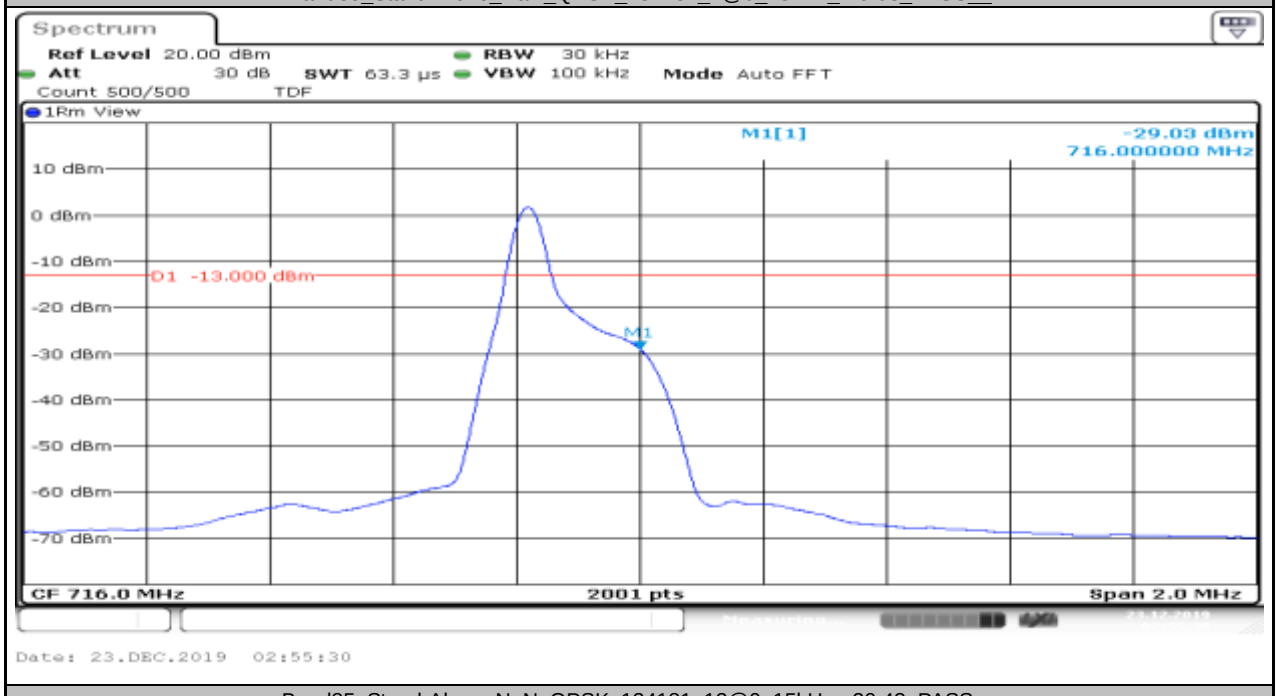
Band85_Stand-Alone_NaN_QPSK_134181_1@11_15kHz_-15.08_PASS__



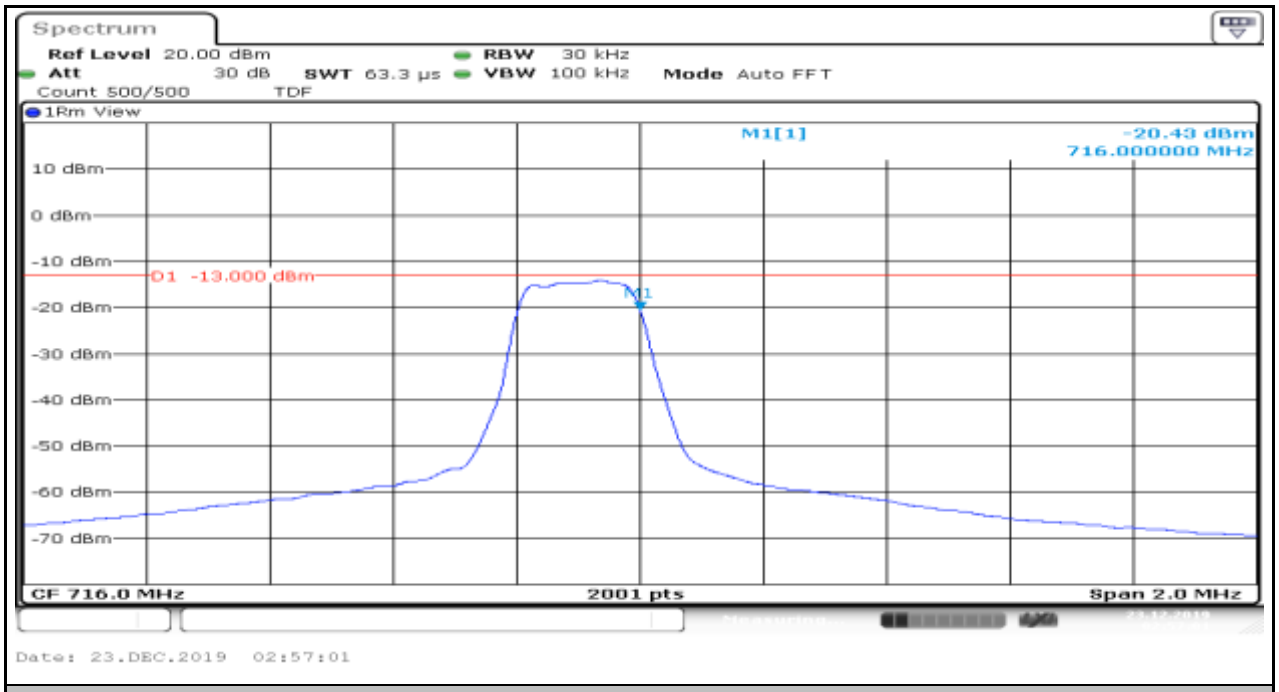
Band85_Stand-Alone_NaN_QPSK_134181_1@47_3.75kHz_-15.88_PASS__



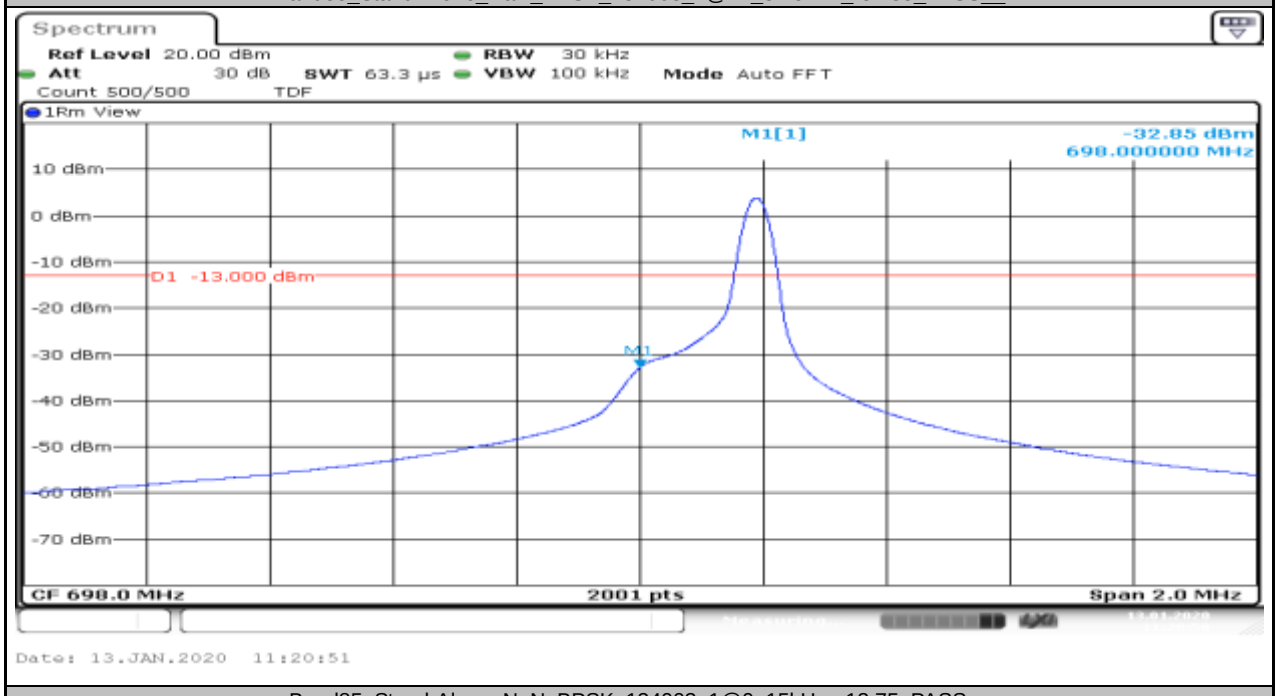
Band85_Stand-Alone_NaN_QPSK_134181_1@0_15kHz_-29.03_PASS__



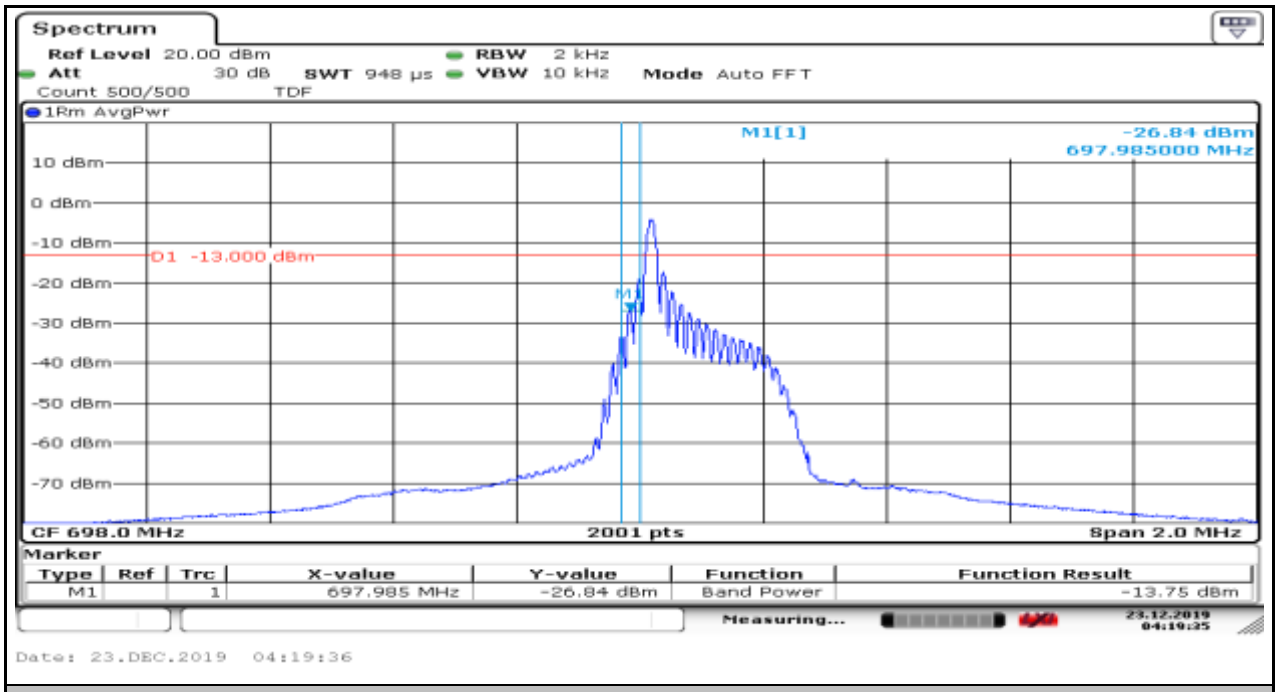
Band85_Stand-Alone_NaN_QPSK_134181_12@0_15kHz_-20.43_PASS__



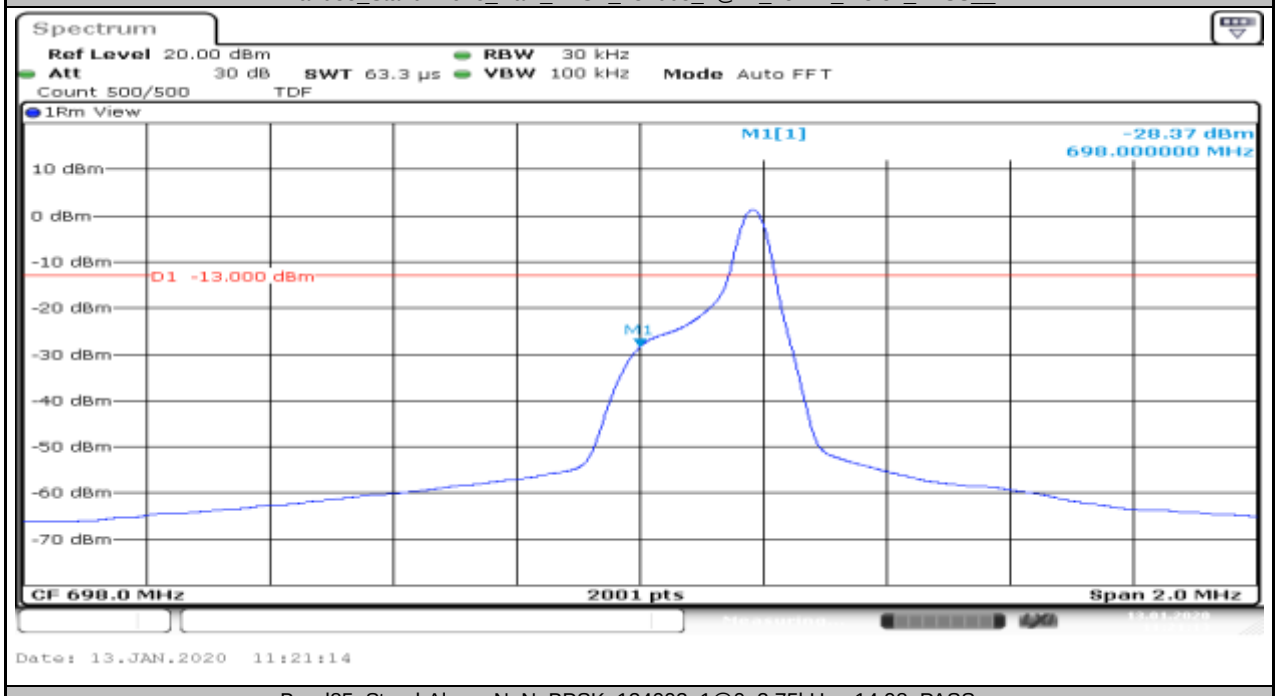
Band85_Stand-Alone_NaN_BPSK_134003_1@47_3.75kHz_-32.85_PASS__



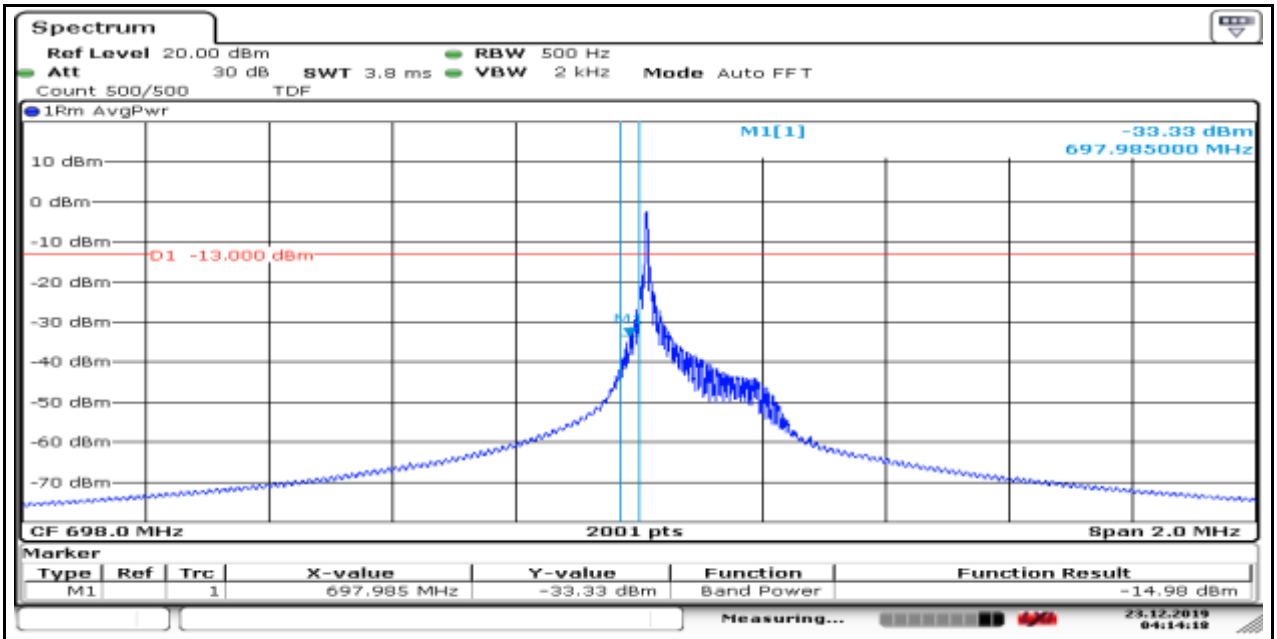
Band85_Stand-Alone_NaN_BPSK_134003_1@0_15kHz_-13.75_PASS__



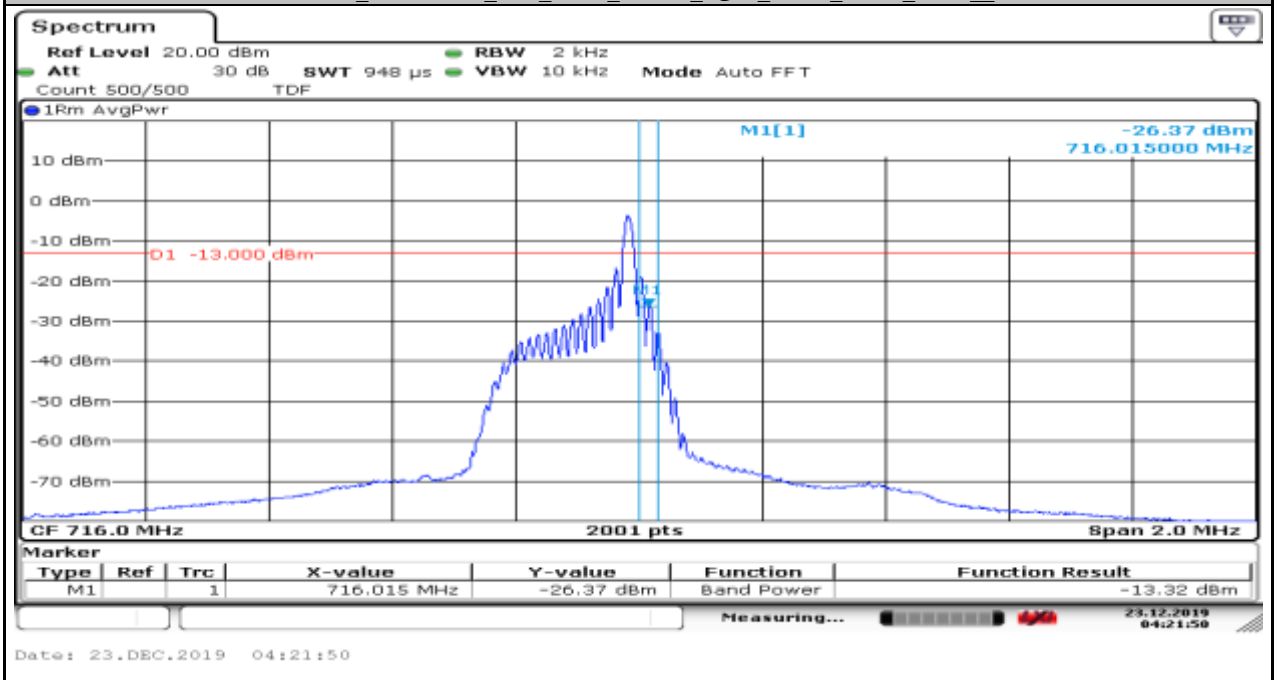
Band85_Stand-Alone_NaN_BPSK_134003_1@11_15kHz_-28.37_PASS__



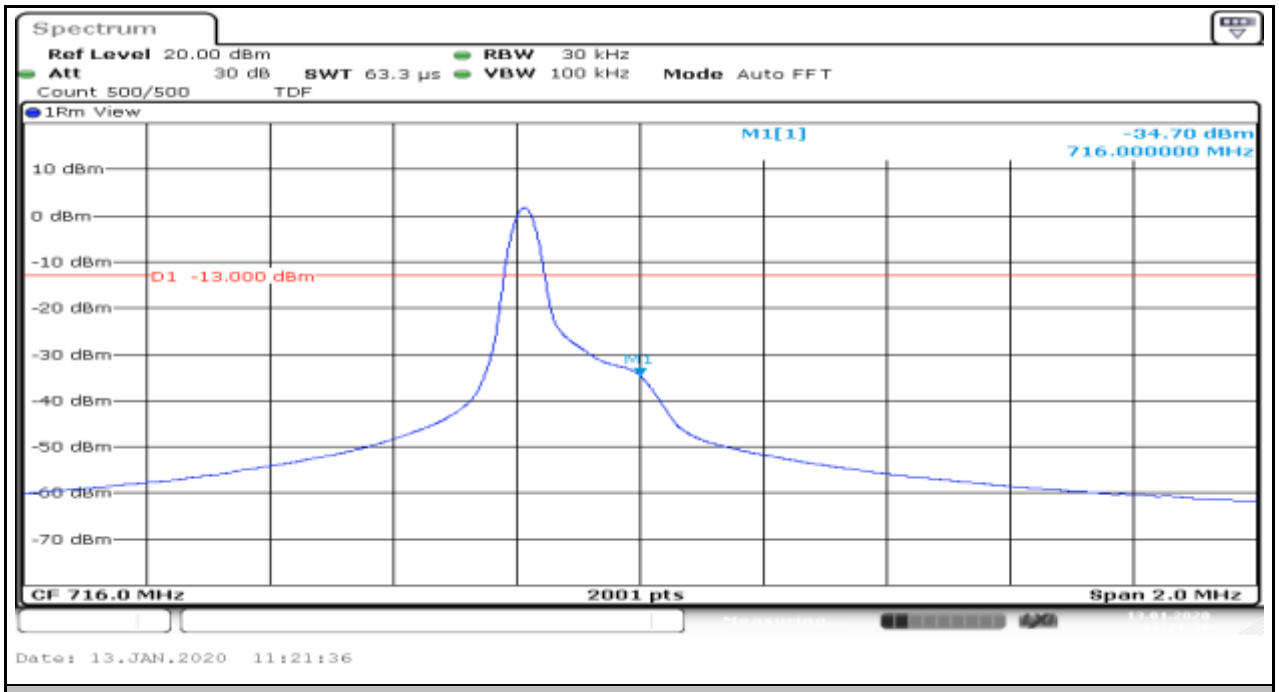
Band85_Stand-Alone_NaN_BPSK_134003_1@0_3.75kHz_-14.98_PASS__



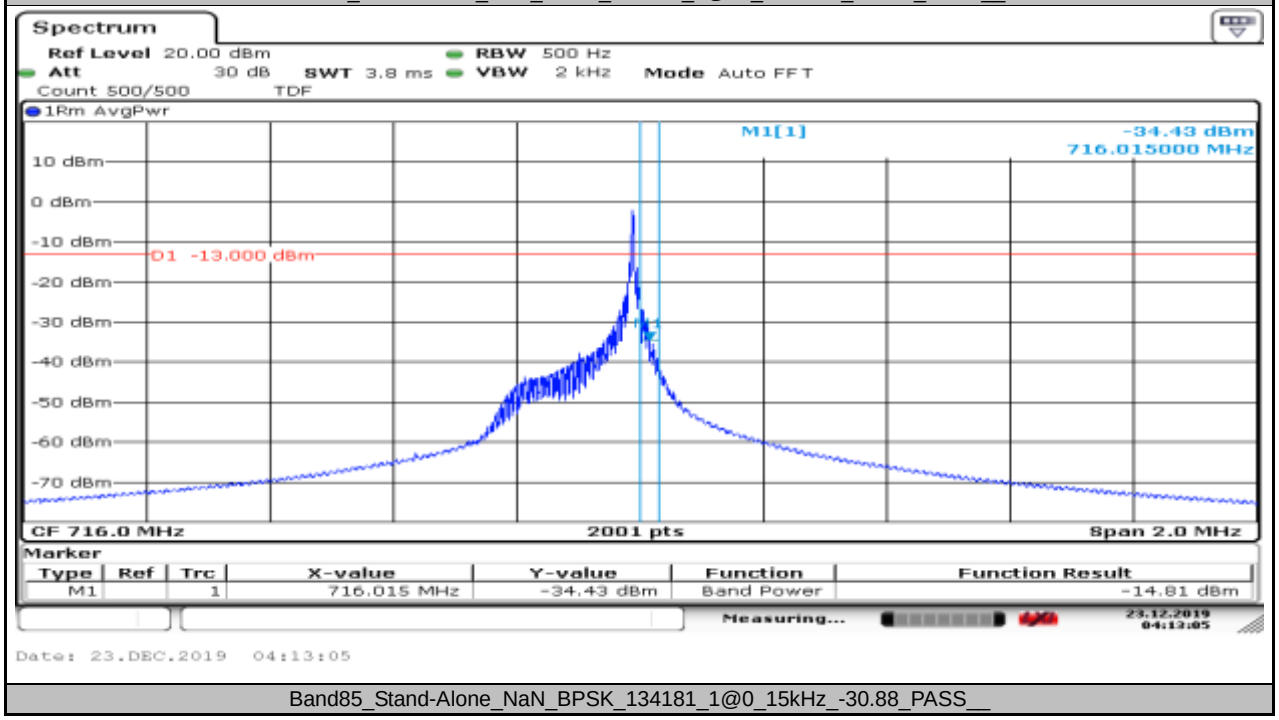
Band85_Stand-Alone_NaN_BPSK_134181_1@11_15kHz_-13.32_PASS__



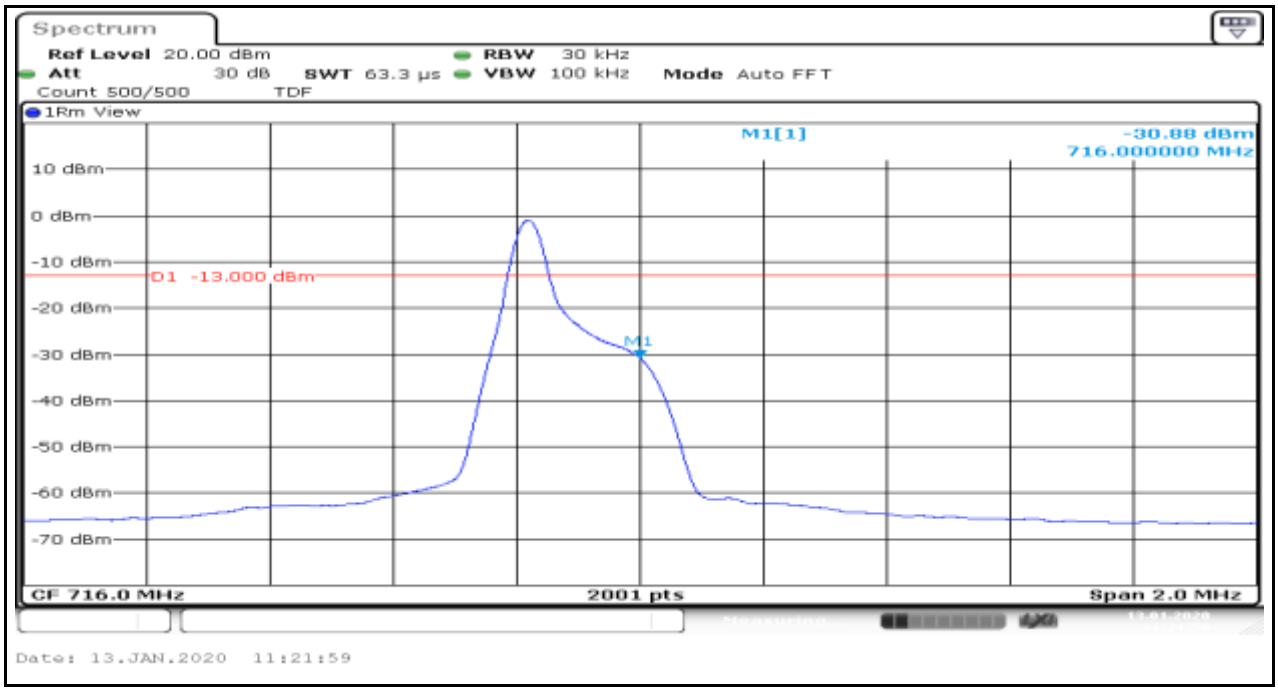
Band85_Stand-Alone_NaN_BPSK_134181_1@0_3.75kHz_-34.70_PASS__



Band85_Stand-Alone_NaN_BPSK_134181_1@47_3.75kHz_-14.81_PASS__



Band85_Stand-Alone_NaN_BPSK_134181_1@0_15kHz_-30.88_PASS__


Spectrum
Ref Level 20.00 dBm
RBW 30 kHz
Att 30 dB
SWT 63.3 µs
VBW 100 kHz
Mode Auto FFT
Count 500/500
TDF
1Rm View
M1[1]
-30.88 dBm
716.000000 MHz
10 dBm
0 dBm
-10 dBm
D1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
CF 716.0 MHz
2001 pts
Span 2.0 MHz
Date: 13.JAN.2020 11:21:59

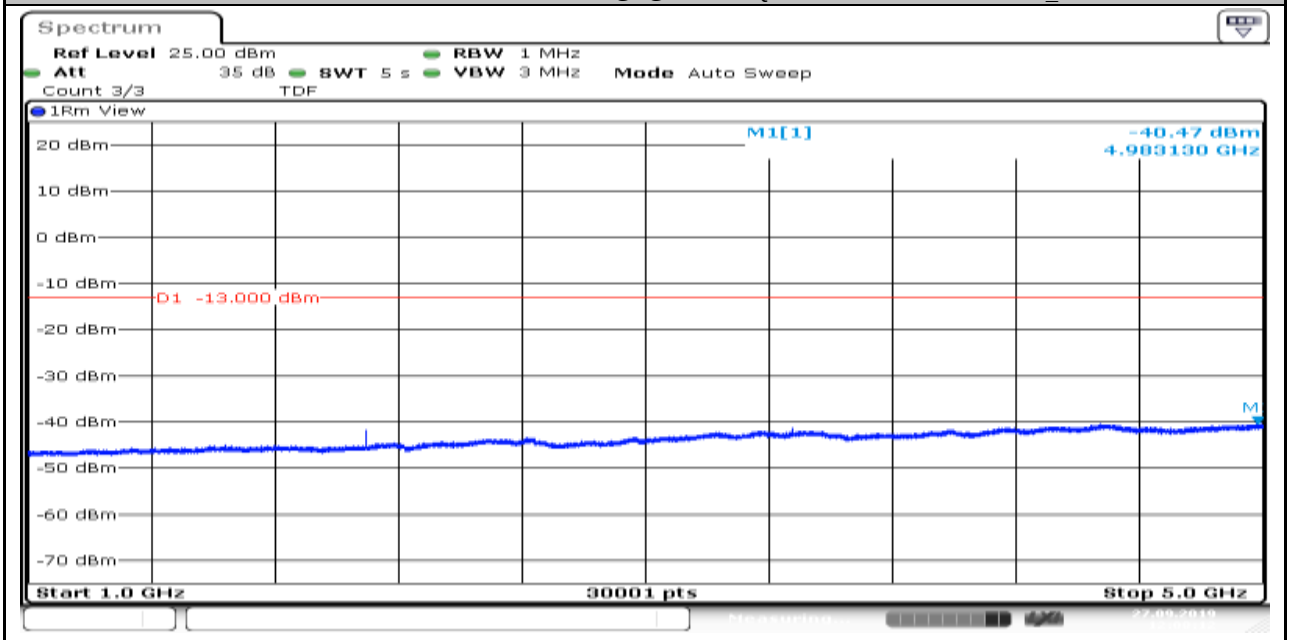
Appendix K.5: Conducted Spurious Emission for NB
Test Result

Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
Band85	Stand-Alone	NaN	QPSK	134003	1@0	3.75kHz	1000	5000	1000~5000MHz@-40.47dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134003	1@0	3.75kHz	5000	12000	5000~12000MHz@-51.19dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134003	1@0	3.75kHz	12000	26500	12000~26500MHz@-45.94dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134003	1@47	3.75kHz	30	1000	30~1000MHz@-37.19dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134003	1@47	3.75kHz	1000	5000	1000~5000MHz@-40.45dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134003	1@47	3.75kHz	5000	12000	5000~12000MHz@-51.23dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134003	1@47	3.75kHz	12000	26500	12000~26500MHz@-46.09dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134003	1@0	3.75kHz	30	1000	30~1000MHz@-36.61dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134003	12@0	15kHz	12000	26500	12000~26500MHz@-46.05dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134003	12@0	15kHz	5000	12000	5000~12000MHz@-51.18dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134003	12@0	15kHz	1000	5000	1000~5000MHz@-40.43dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134003	12@0	15kHz	30	1000	30~1000MHz@-37.09dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	5000	12000	5000~12000MHz@-51.41dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134092	12@0	15kHz	1000	5000	1000~5000MHz@-40.3dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	12000	26500	12000~26500MHz@-46.1dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	5000	12000	5000~12000MHz@-51.25dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	1000	5000	1000~5000MHz@-40.45dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134092	12@0	15kHz	12000	26500	12000~26500MHz@-45.99dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	12000	26500	12000~26500MHz@-45.99dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134092	12@0	15kHz	5000	12000	5000~12000MHz@-51.06dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	1000	5000	1000~5000MHz@-40.44dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@0	3.75kHz	30	1000	30~1000MHz@-37.56dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134092	1@47	3.75kHz	30	1000	30~1000MHz@-36.7dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134092	12@0	15kHz	30	1000	30~1000MHz@-37.15dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@0	3.75kHz	12000	26500	12000~26500MHz@-46.06dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@0	3.75kHz	30	1000	30~1000MHz@-37.05dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@0	3.75kHz	5000	12000	5000~12000MHz@-51.25dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@47	3.75kHz	30	1000	30~1000MHz@-37.51dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@47	3.75kHz	1000	5000	1000~5000MHz@-40.41dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@47	3.75kHz	5000	12000	5000~12000MHz@-51.13dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@47	3.75kHz	12000	26500	12000~26500MHz@-46.04dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134181	12@0	15kHz	30	1000	30~1000MHz@-36.63dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134181	1@0	3.75kHz	1000	5000	1000~5000MHz@-40.42dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134181	12@0	15kHz	12000	26500	12000~26500MHz@-45.97dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134181	12@0	15kHz	5000	12000	5000~12000MHz@-51.3dBm	-13	PASS
Band85	Stand-Alone	NaN	QPSK	134181	12@0	15kHz	1000	5000	1000~5000MHz@-40.2dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@0	15kHz	12000	26500	12000~26500MHz@-45.53dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@0	15kHz	1000	5000	1000~5000MHz@-40.38dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@0	15kHz	5000	12000	5000~12000MHz@-51.29dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@11	15kHz	12000	26500	12000~26500MHz@-45.99dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@11	15kHz	5000	12000	5000~12000MHz@-51.23dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@11	15kHz	1000	5000	1000~5000MHz@-40.13dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@11	15kHz	30	1000	30~1000MHz@-35.21dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134003	1@0	15kHz	30	1000	30~1000MHz@-37.58dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@0	15kHz	30	1000	30~1000MHz@-34.82dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@11	15kHz	12000	26500	12000~26500MHz@-45.91dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@11	15kHz	1000	5000	1000~5000MHz@-40.45dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@11	15kHz	5000	12000	5000~12000MHz@-51.14dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@11	15kHz	30	1000	30~1000MHz@-35.58dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@0	15kHz	12000	26500	12000~26500MHz@-45.9dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@0	15kHz	1000	5000	1000~5000MHz@-40.3dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134092	1@0	15kHz	5000	12000	5000~12000MHz@-51.15dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@11	15kHz	12000	26500	12000~26500MHz@-45.86dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@0	15kHz	30	1000	30~1000MHz@-35.72dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@0	15kHz	1000	5000	1000~5000MHz@-40.16dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@0	15kHz	5000	12000	5000~12000MHz@-51.3dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@0	15kHz	12000	26500	12000~26500MHz@-46.11dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@11	15kHz	30	1000	30~1000MHz@-37.1dBm	-13	PASS

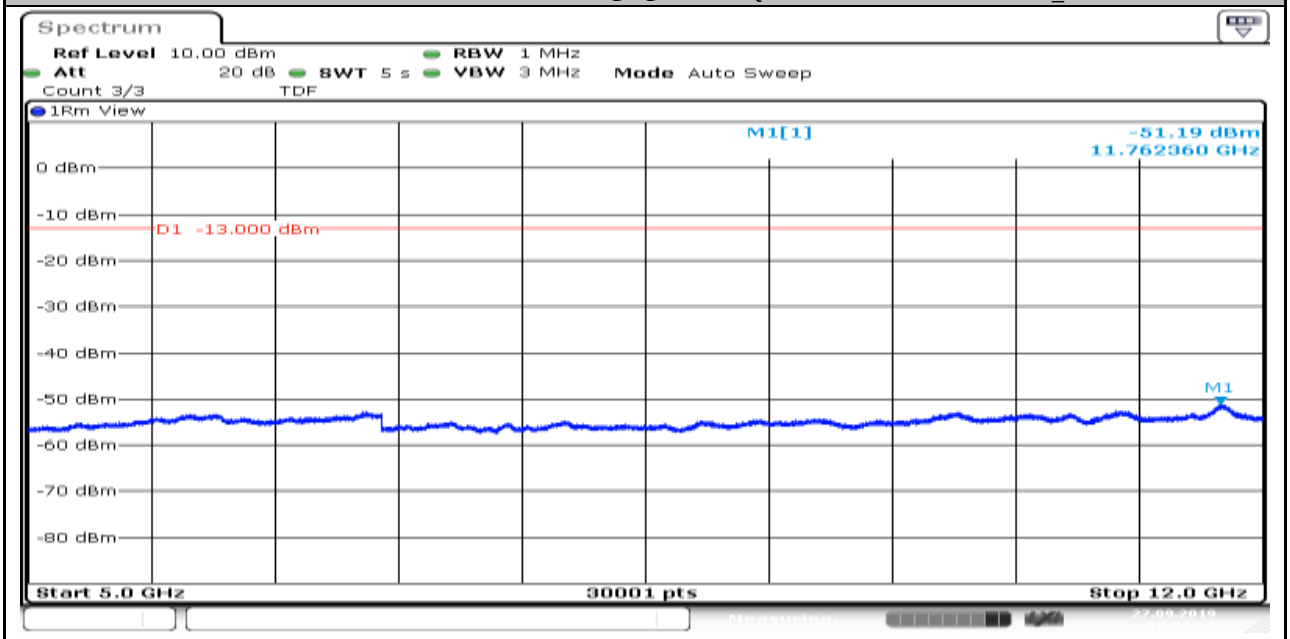
Band85	Stand-Alone	NaN	BPSK	134181	1@11	15kHz	1000	5000	1000~5000MHz@-40.4dBm	-13	PASS
Band85	Stand-Alone	NaN	BPSK	134181	1@11	15kHz	5000	12000	5000~12000MHz@-51.18dBm	-13	PASS

Test Graphs

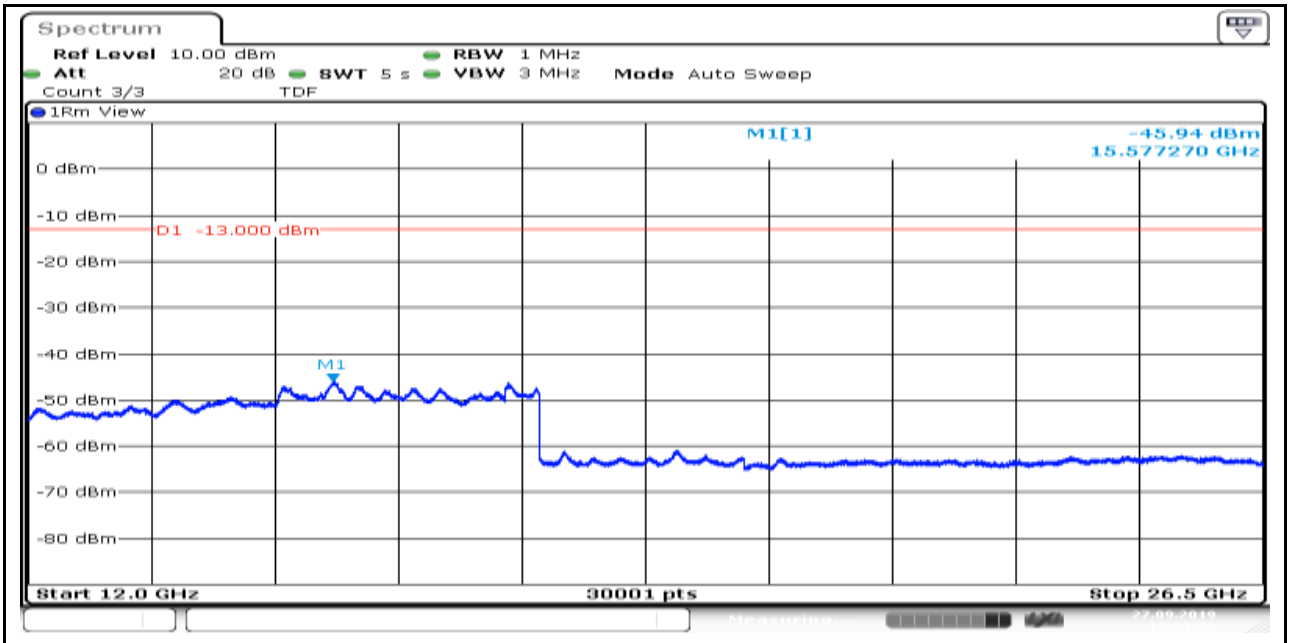
Band85_Stand-Alone_NaN_QPSK_134003_1@0_3.75kHz_1000_5000_1000~5000MHz@-40.47dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134003-1@0@3.75kHz-QPSK-NTNV-20199271105.Gif_



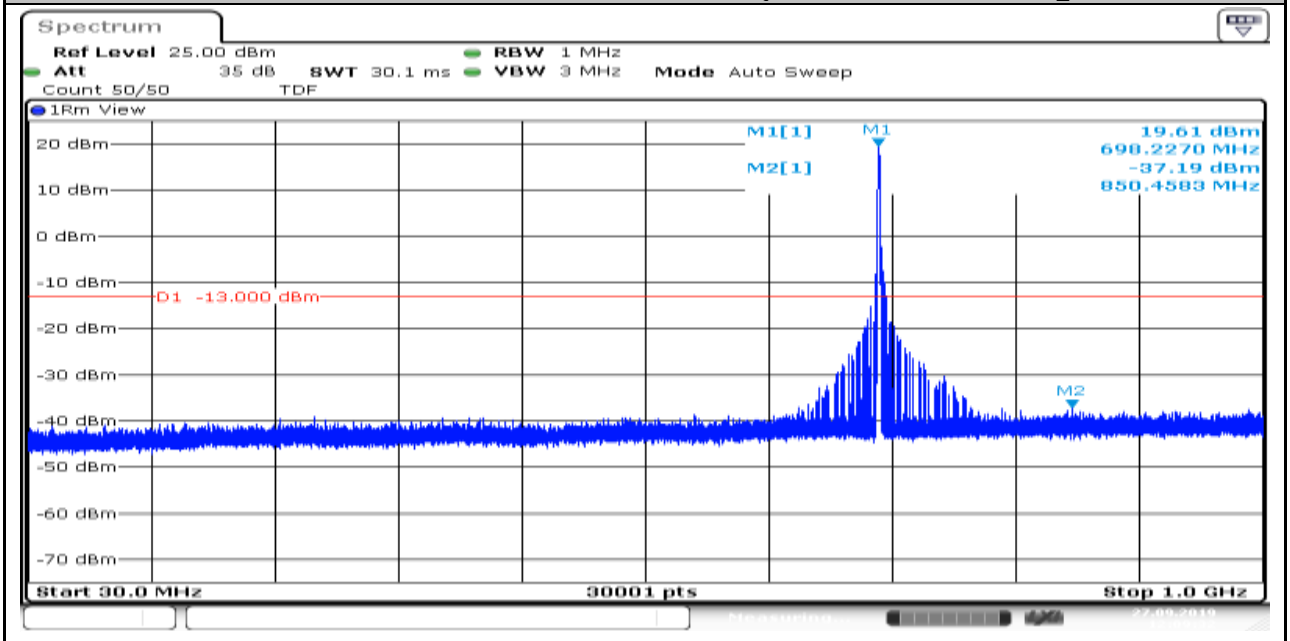
Band85_Stand-Alone_NaN_QPSK_134003_1@0_3.75kHz_5000_12000_5000~12000MHz@-51.19dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134003-1@0@3.75kHz-QPSK-NTNV-201992711030.Gif_



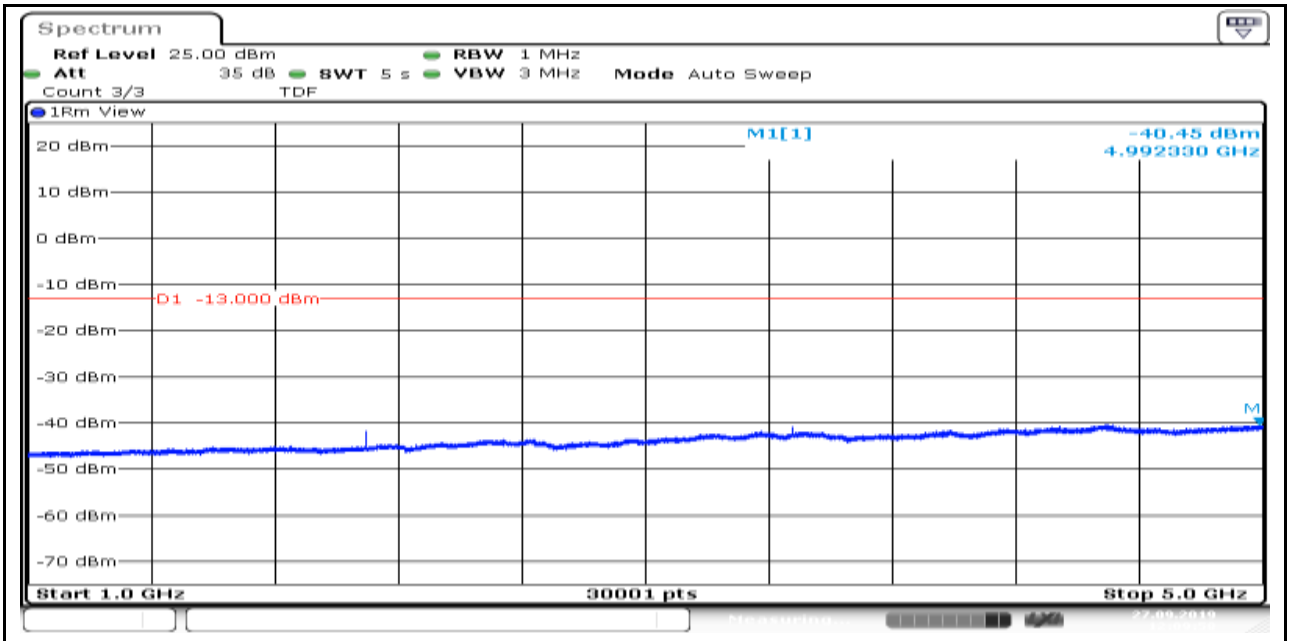
Band85_Stand-Alone_NaN_QPSK_134003_1@0_3.75kHz_12000_26500_12000~26500MHz@-45.94dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134003-1@0@3.75kHz-QPSK-NTNV-201992711055.Gif_



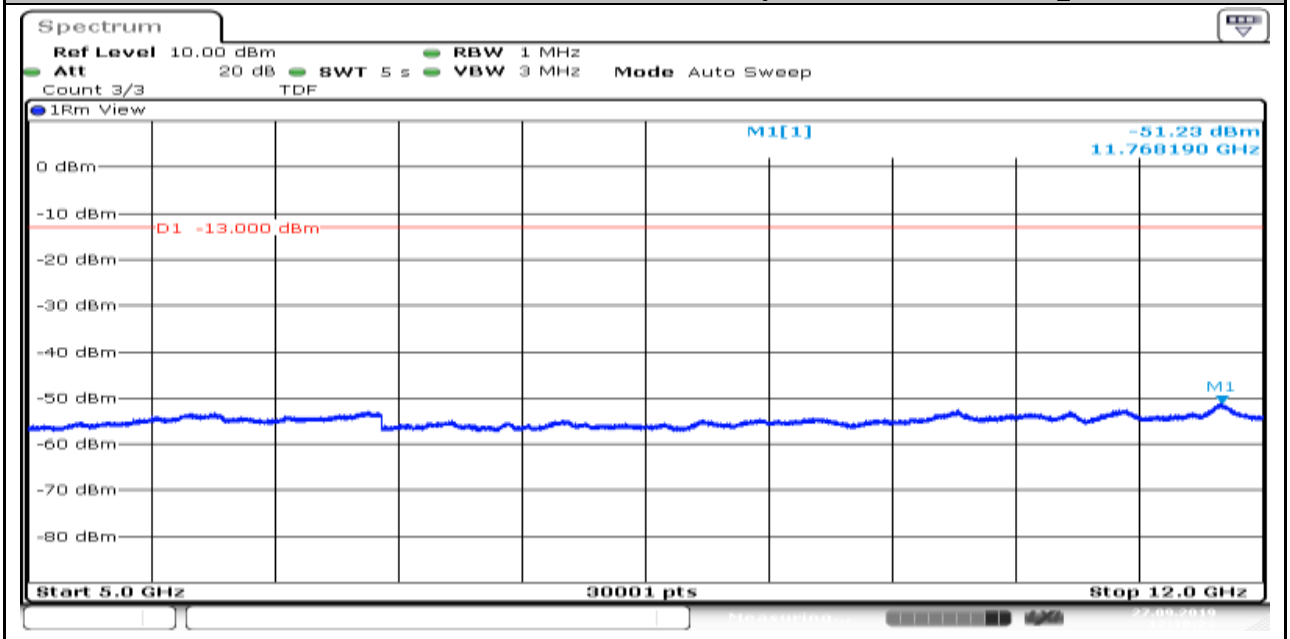
Band85_Stand-Alone_NaN_QPSK_134003_1@47_3.75kHz_30_1000_30~1000MHz@-37.19dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134003-1@47@3.75kHz-QPSK-NTNV-201992711124.Gif_



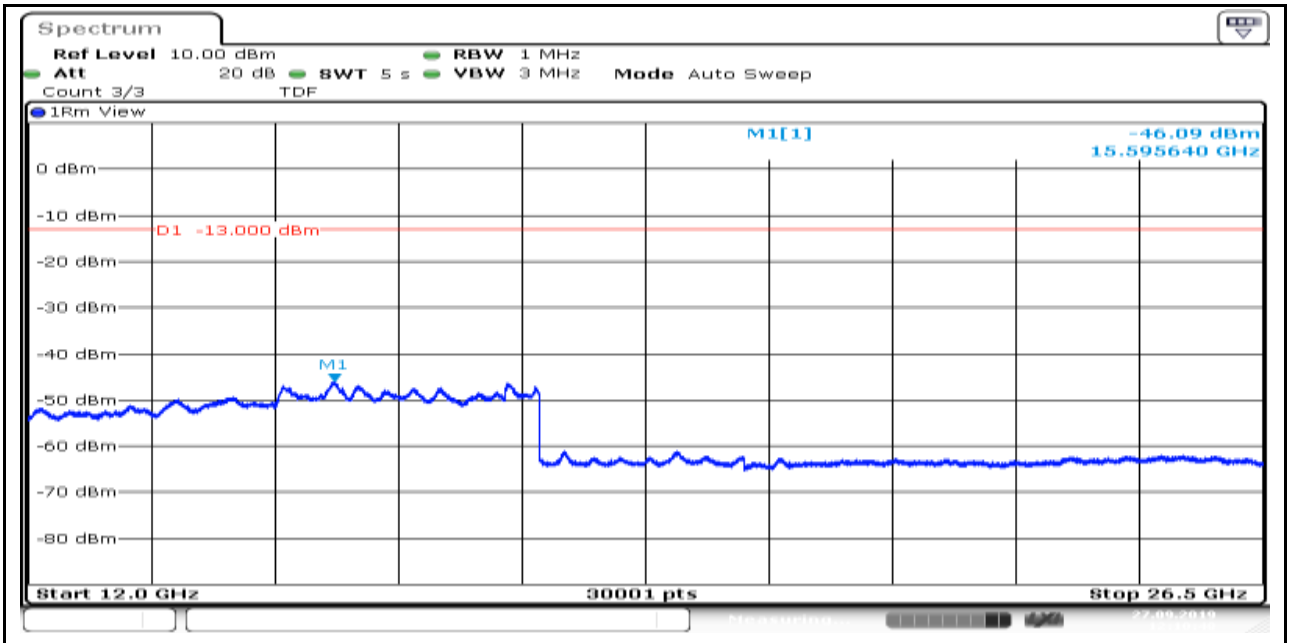
Band85_Stand-Alone_NaN_QPSK_134003_1@47_3.75kHz_1000_5000_1000~5000MHz@-40.45dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134003-1@47@3.75kHz-QPSK-NTNV-201992711151.Gif_



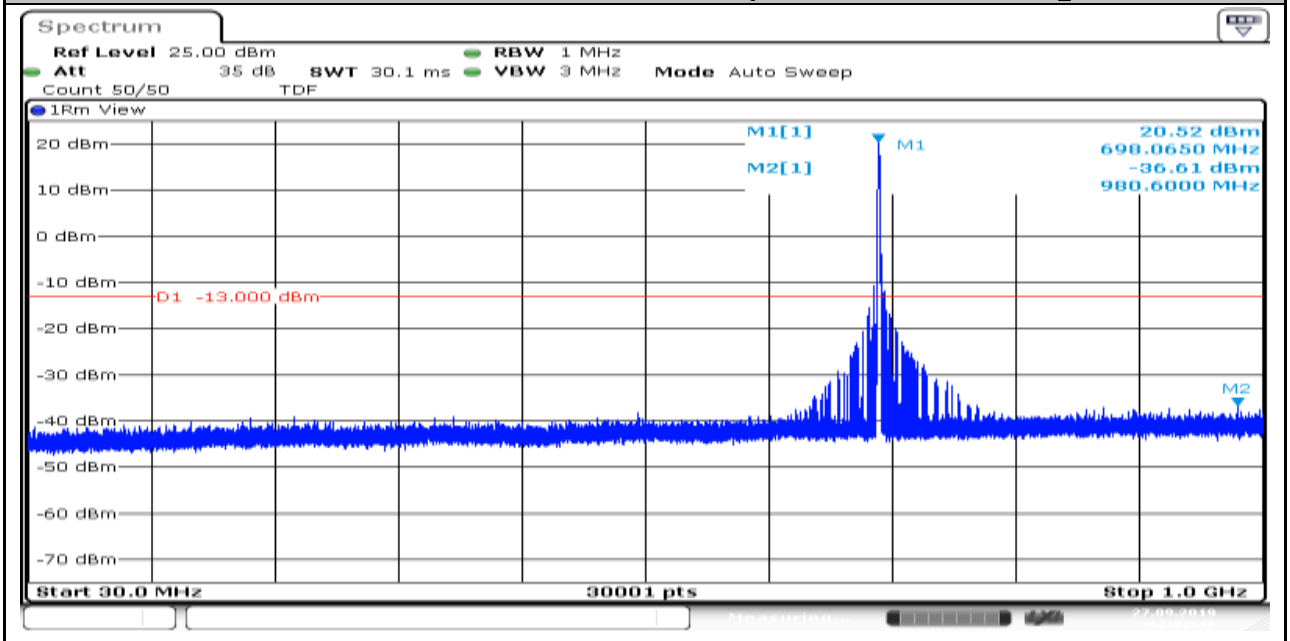
Band85_Stand-Alone_NaN_QPSK_134003_1@47_3.75kHz_5000_12000_5000~12000MHz@-51.23dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134003-1@47@3.75kHz-QPSK-NTNV-201992711216.Gif_



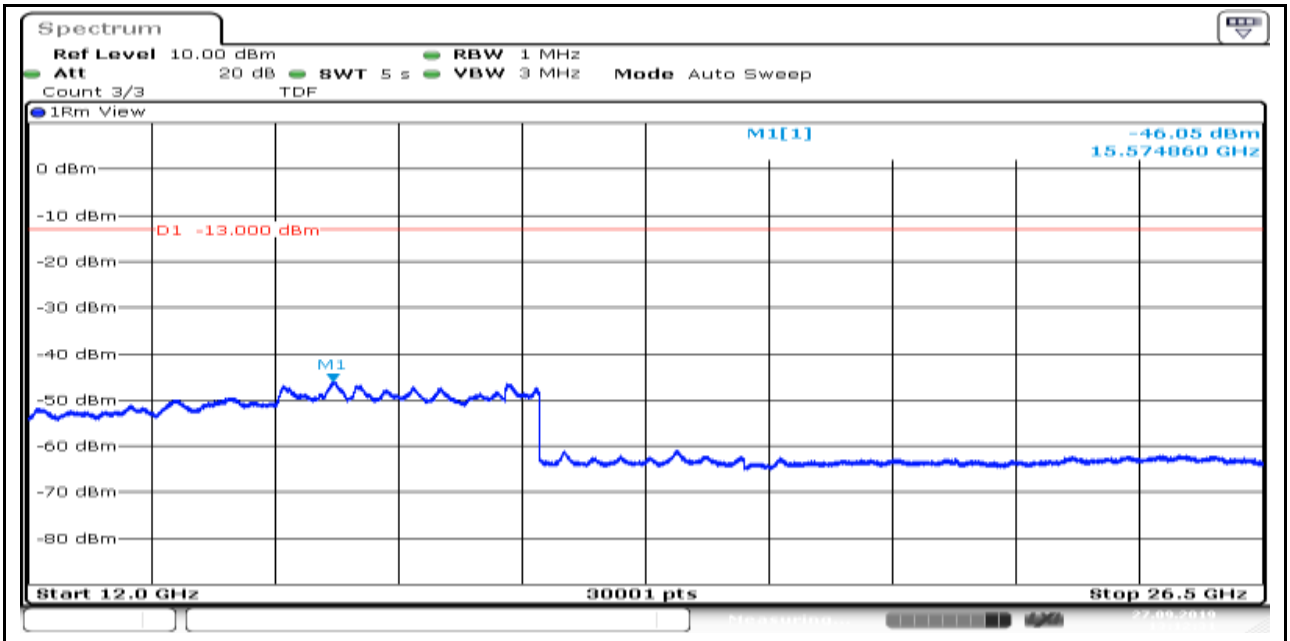
Band85_Stand-Alone_NaN_QPSK_134003_1@47_3.75kHz_12000_26500_12000~26500MHz@-46.09dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134003-1@47@3.75kHz-QPSK-NTNV-201992711241.Gif_



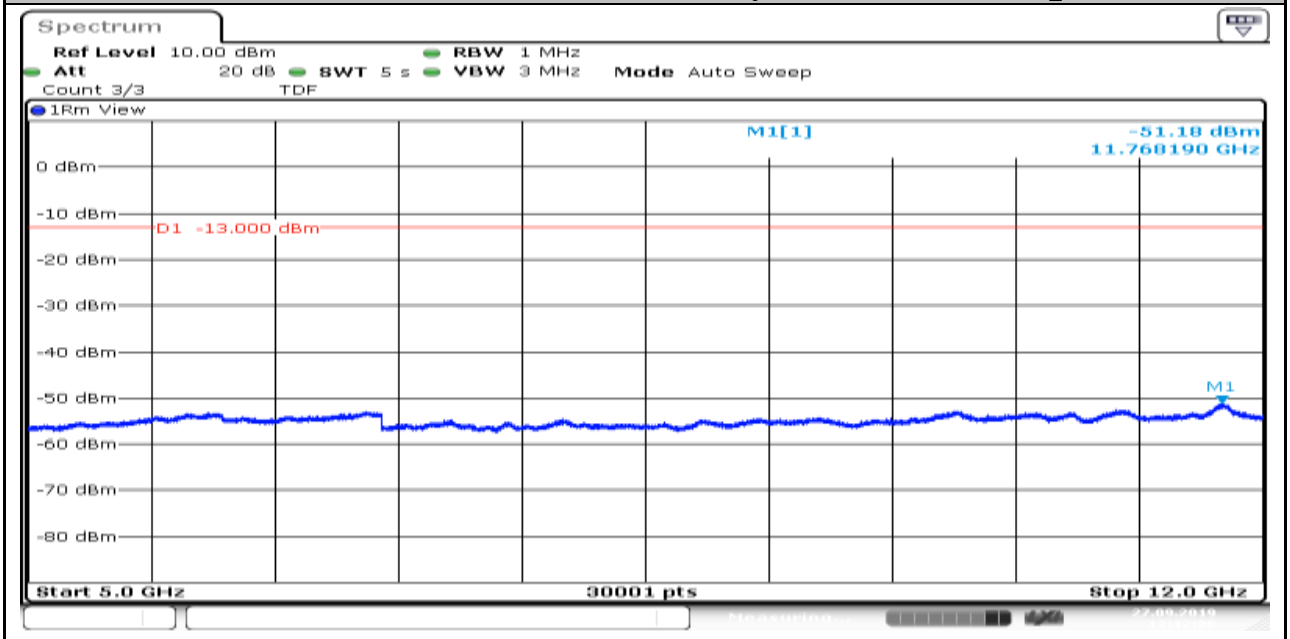
Band85_Stand-Alone_NaN_QPSK_134003_1@0_3.75kHz_30_1000_30~1000MHz@-36.61dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134003-1@0@3.75kHz-QPSK-NTNV-2019927105939.Gif_



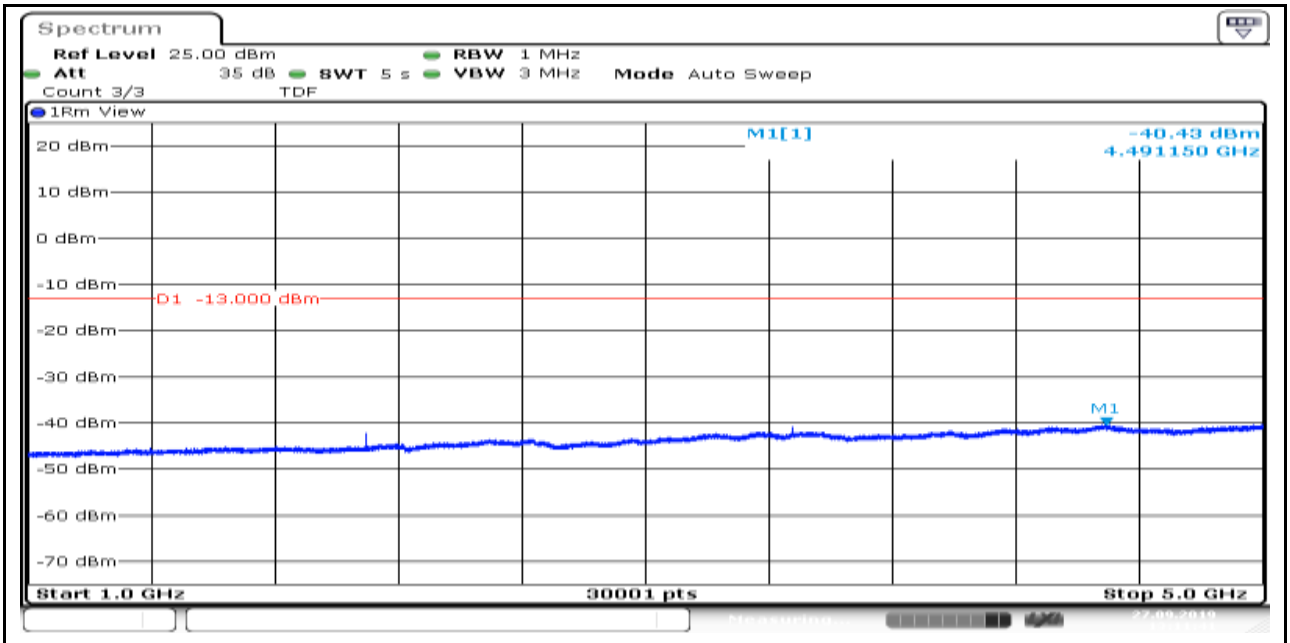
Band85_Stand-Alone_NaN_QPSK_134003_12@0_15kHz_12000_26500_12000~26500MHz@-46.05dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134003-12@0@15kHz-QPSK-NTNV-201992712424.Gif_



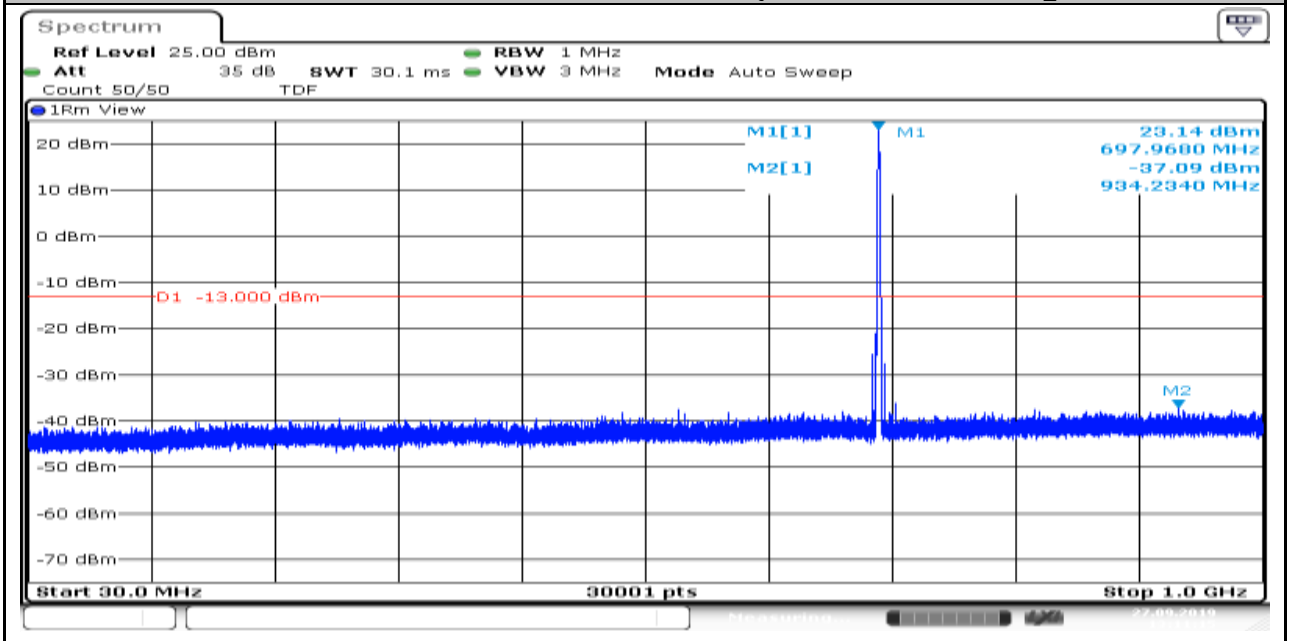
Band85_Stand-Alone_NaN_QPSK_134003_12@0_15kHz_5000_12000_5000~12000MHz@-51.18dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134003-12@0@15kHz-QPSK-NTNV-201992712359.Gif_



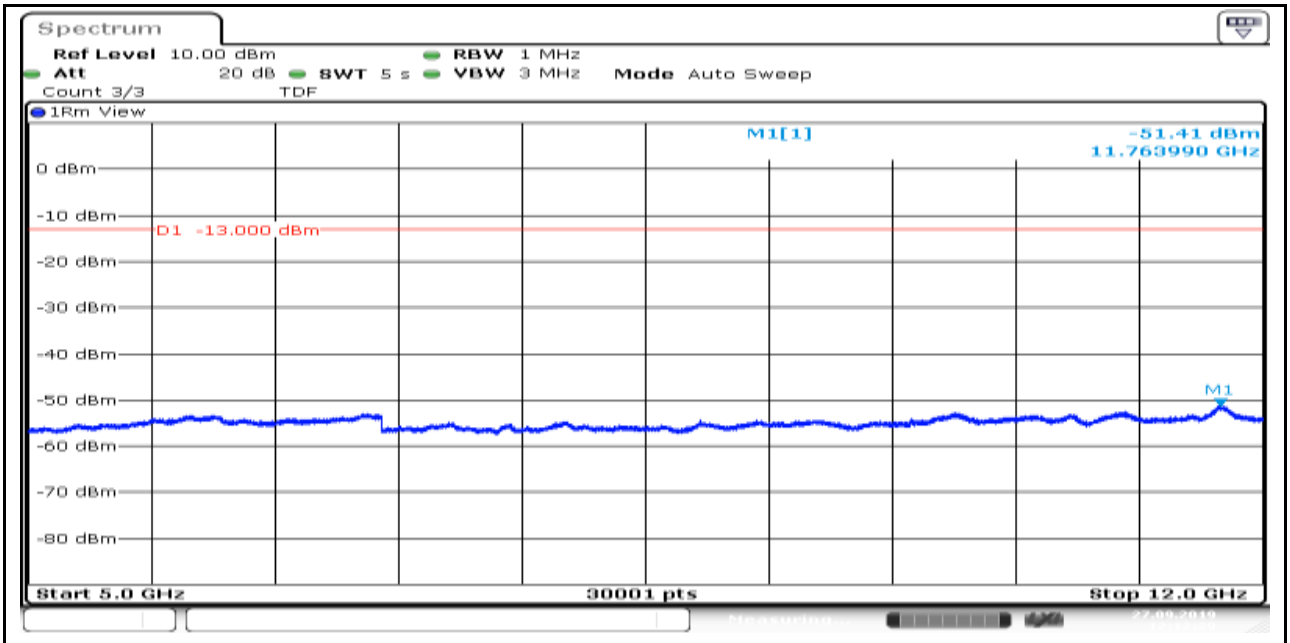
Band85_Stand-Alone_NaN_QPSK_134003_12@0_15kHz_1000_5000_1000~5000MHz@-40.43dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134003-12@0@15kHz-QPSK-NTNV-201992712334.Gif_



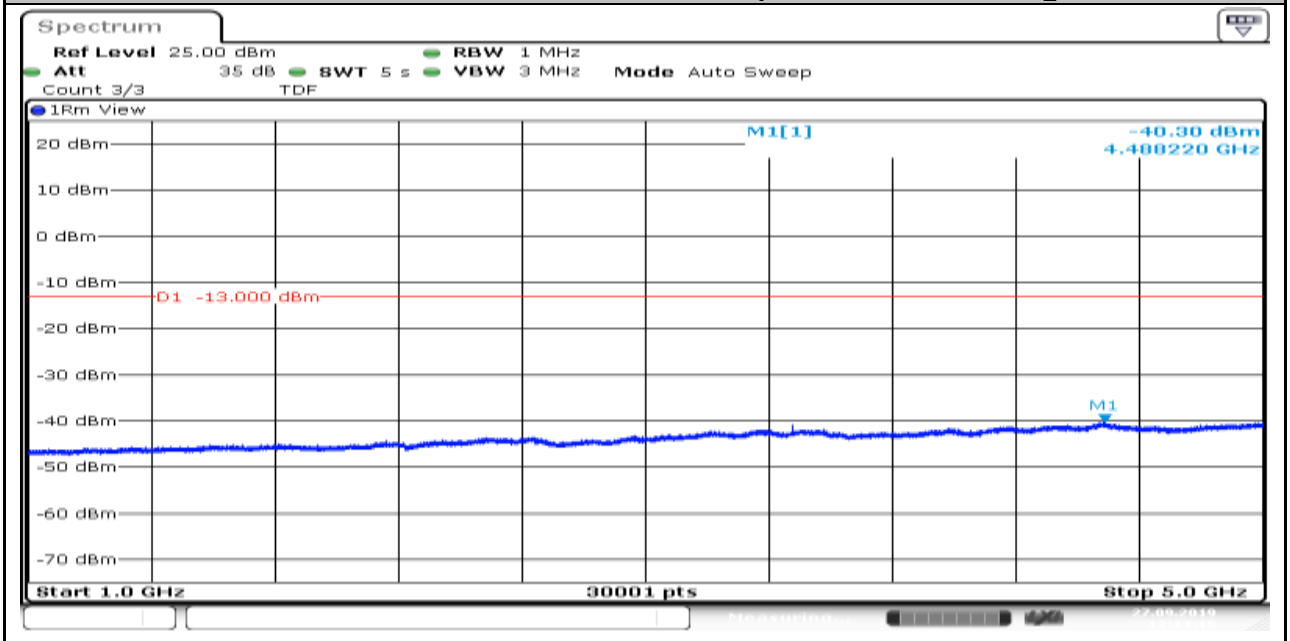
Band85_Stand-Alone_NaN_QPSK_134003_12@0_15kHz_30_1000_30~1000MHz@-37.09dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134003-12@0@15kHz-QPSK-NTNV-20199271238.Gif_



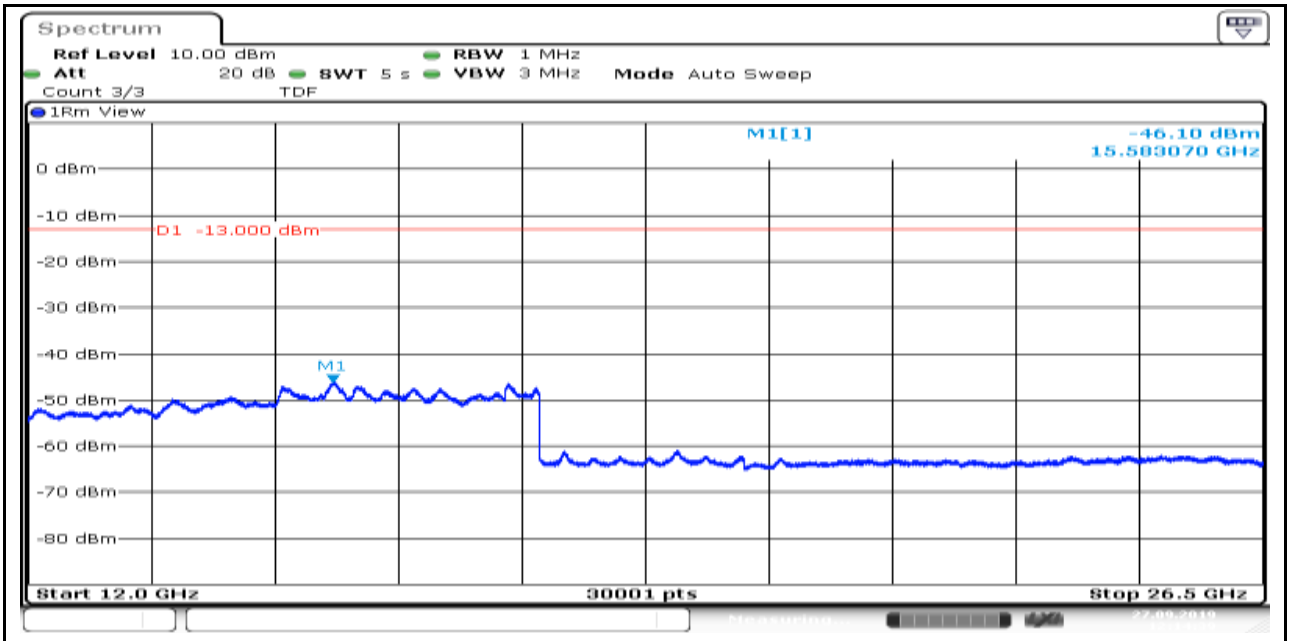
Band85_Stand-Alone_NaN_QPSK_134092_1@0_3.75kHz_5000_12000_5000~12000MHz@-51.41dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134092-1@0@3.75kHz-QPSK-NTNV-201992711421.Gif_



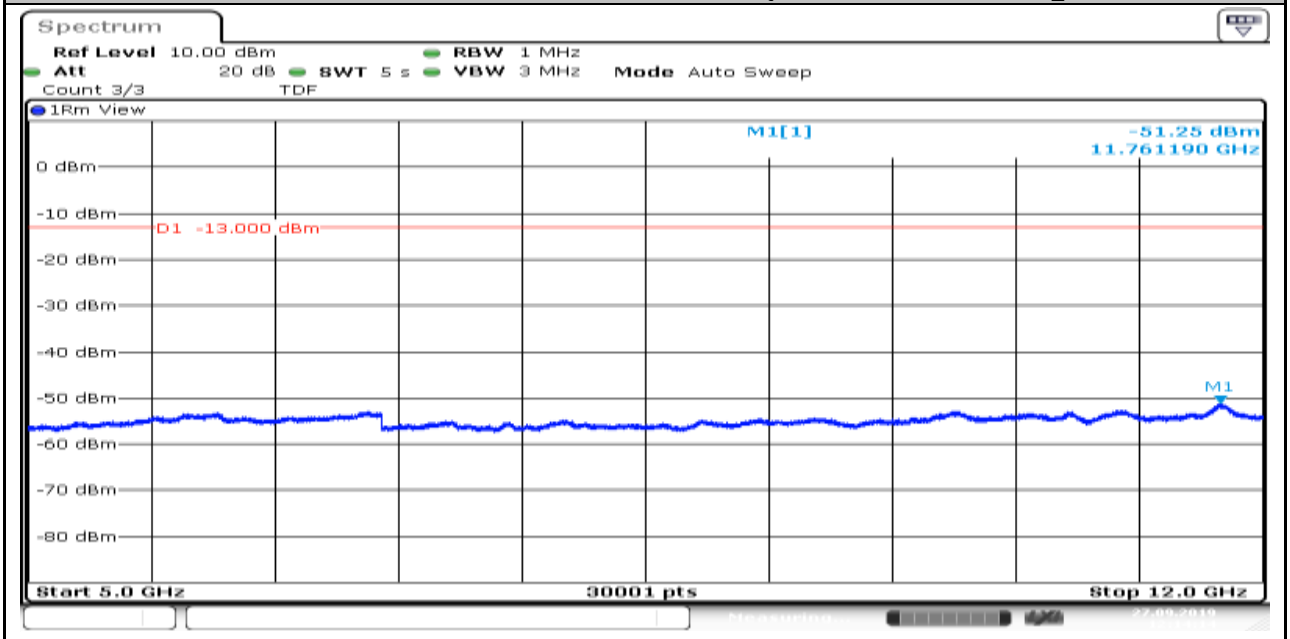
Band85_Stand-Alone_NaN_QPSK_134092_12@0_15kHz_1000_5000_1000~5000MHz@-40.3dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134092-12@0@15kHz-QPSK-NTNV-20199271269.Gif_



Band85_Stand-Alone_NaN_QPSK_134092_1@47_3.75kHz_12000_26500_12000~26500MHz@-46.1dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134092-1@47@3.75kHz-QPSK-NTNV-201992711632.Gif_



Band85_Stand-Alone_NaN_QPSK_134092_1@47_3.75kHz_5000_12000_5000~12000MHz@-51.25dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134092-1@47@3.75kHz-QPSK-NTNV-201992711542.Gif_



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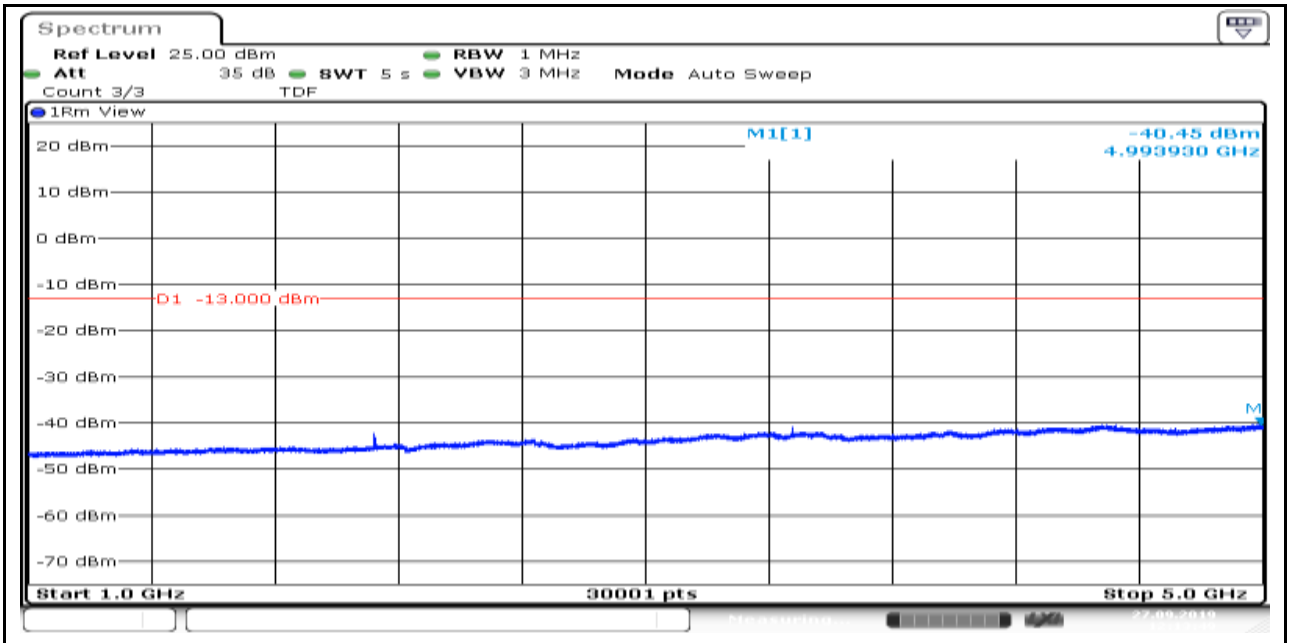
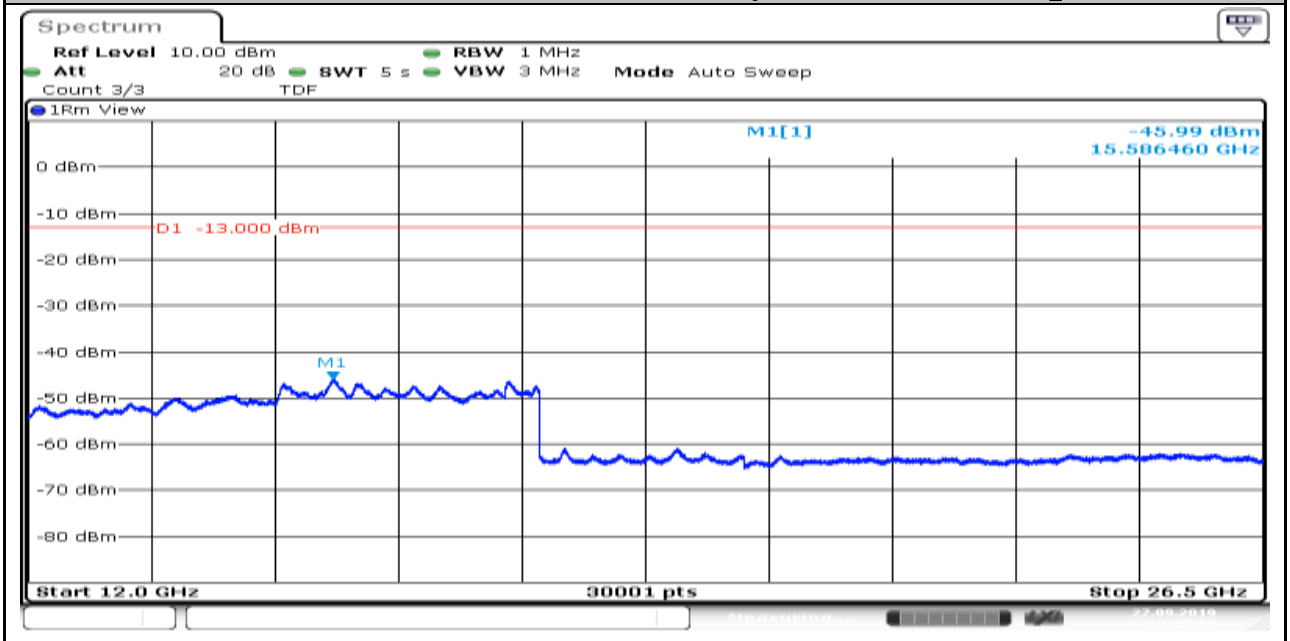


Band85_Stand-Alone_NaN_QPSK_134092_12@0_15kHz_12000_26500_12000~26500MHz@-45.99dBm_-13_PASS_FCC_ME910G1\NBIOT_B2_NTNV\Band85\Spurious emission at antenna terminals for category NB-Band85-Stand-Alone-NaN-134092-12@0@15kHz-QPSK-NTNV-201992712659.Gif_



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