

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

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

Test Result

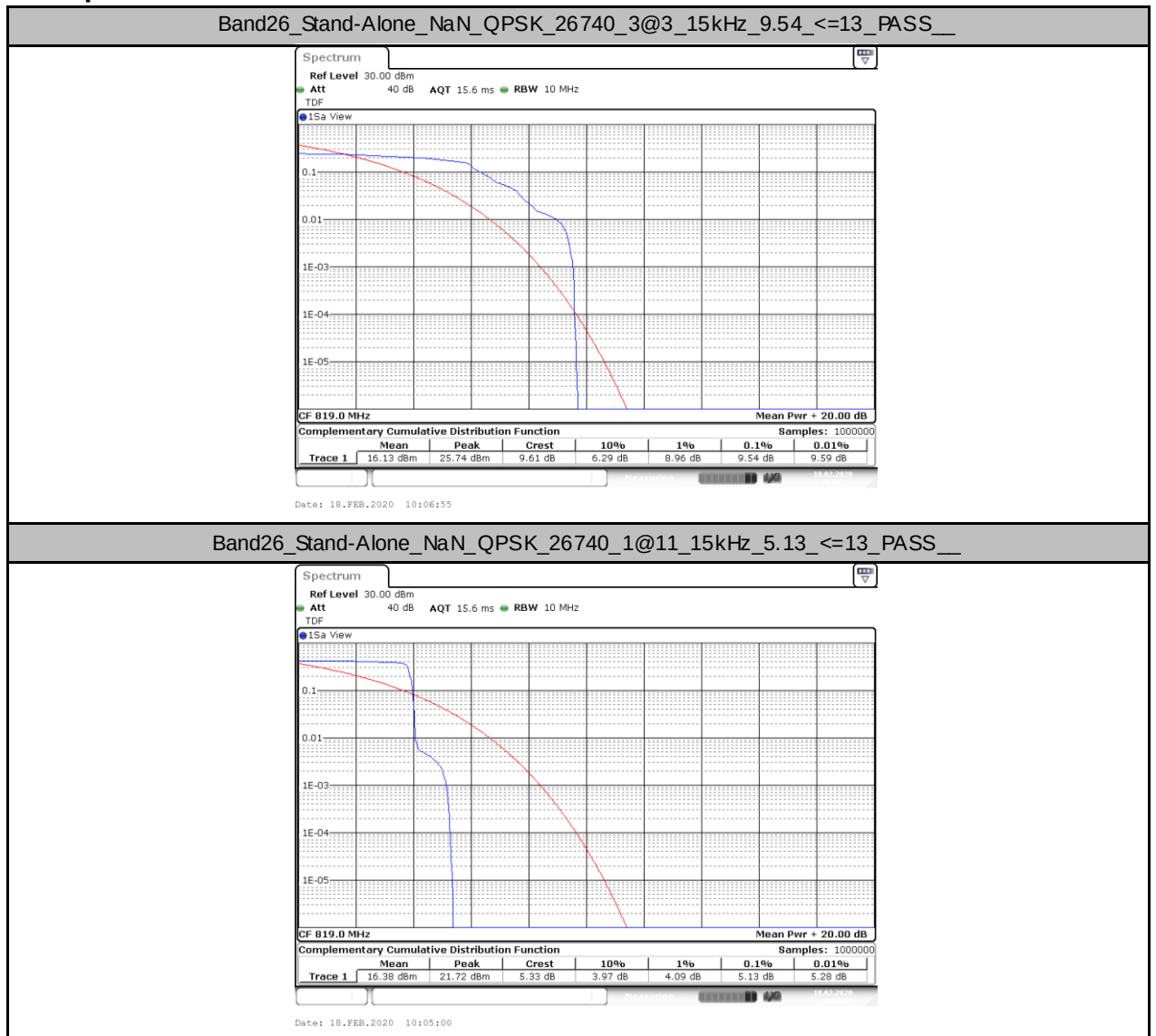
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Result	ERP		Limit (watts)		Verdict
							dBm	dBm	Watts	FCC	ISED	
Band26	Stand-Alone	NaN	QPSK	26791	1@0	15kHz	11.69	11.68	0.015	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@11	15kHz	11.62	11.61	0.014	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26791	3@3	15kHz	11.76	11.75	0.015	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26792	1@0	15kHz	21.81	21.8	0.151	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26792	1@11	15kHz	21.75	21.74	0.149	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26792	3@3	15kHz	24.96	24.95	0.313	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	21.29	21.28	0.134	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	21.49	17.2	0.052	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	3@3	15kHz	23.20	23.19	0.208	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27038	1@11	15kHz	21.21	21.2	0.132	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27038	1@0	15kHz	21.25	21.24	0.133	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27038	3@3	15kHz	24.60	24.59	0.288	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@11	15kHz	11.31	11.3	0.013	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@0	15kHz	11.37	11.36	0.014	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27039	3@3	15kHz	11.41	11.4	0.014	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@11	15kHz	11.47	11.46	0.014	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26791	3@3	15kHz	11.77	11.76	0.015	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@0	15kHz	11.51	11.5	0.014	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26792	1@11	15kHz	21.67	21.66	0.147	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26792	1@0	15kHz	21.77	21.76	0.150	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26792	3@3	15kHz	21.85	21.84	0.153	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@0	15kHz	21.49	21.48	0.141	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@11	15kHz	21.45	21.44	0.139	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26915	3@3	15kHz	23.20	23.19	0.208	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27038	1@0	15kHz	21.19	21.18	0.131	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27038	1@11	15kHz	21.09	21.08	0.128	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27038	3@3	15kHz	21.74	21.73	0.149	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@0	15kHz	11.33	11.32	0.014	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@11	15kHz	11.26	11.25	0.013	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27039	3@3	15kHz	11.41	11.4	0.014	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27038	1@0	3.75kHz	24.77	24.76	0.299	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27038	1@47	3.75kHz	24.69	24.68	0.294	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@0	3.75kHz	6.87	6.86	0.005	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@47	3.75kHz	6.75	6.74	0.005	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@47	3.75kHz	6.81	6.8	0.005	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@0	3.75kHz	6.85	6.84	0.005	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26792	1@47	3.75kHz	24.85	24.84	0.305	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26792	1@0	3.75kHz	24.94	24.93	0.311	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27038	1@47	3.75kHz	24.62	24.61	0.289	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27038	1@0	3.75kHz	24.62	24.61	0.289	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@47	3.75kHz	6.69	6.68	0.005	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@0	3.75kHz	6.76	6.75	0.005	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@47	3.75kHz	6.73	6.72	0.005	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@0	3.75kHz	6.75	6.74	0.005	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26792	1@47	3.75kHz	24.76	24.75	0.299	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26792	1@0	3.75kHz	24.87	24.86	0.306	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	24.94	24.93	0.311	7	11.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	24.93	24.92	0.310	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@47	3.75kHz	24.83	24.82	0.303	7	11.5	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@0	3.75kHz	24.86	24.85	0.305	7	11.5	PASS

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

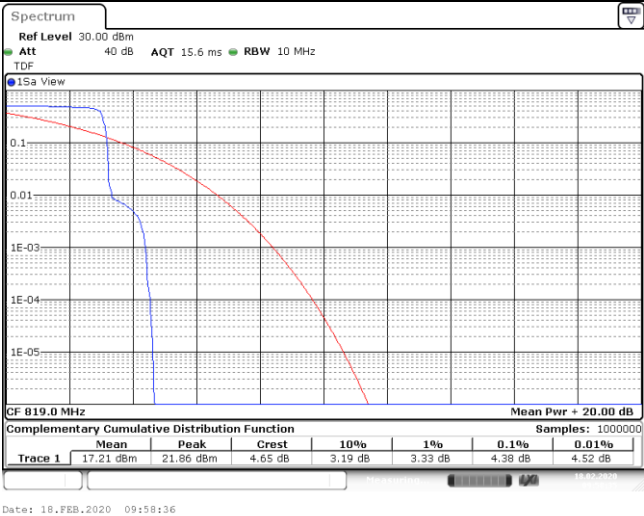
Test Result

Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Result (dB)	Limit (dB)	Verdict
Band26	Stand-Alone	NaN	QPSK	26915	3@3	15kHz	9.57	<=13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	4.38	<=13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	4.38	<=13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	3@3	15kHz	9.54	<=13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@11	15kHz	8.46	<=13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@0	15kHz	2.99	<=13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	9.07	<=13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	1.74	<=13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@47	3.75kHz	8.58	<=13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@0	3.75kHz	1.94	<=13	PASS

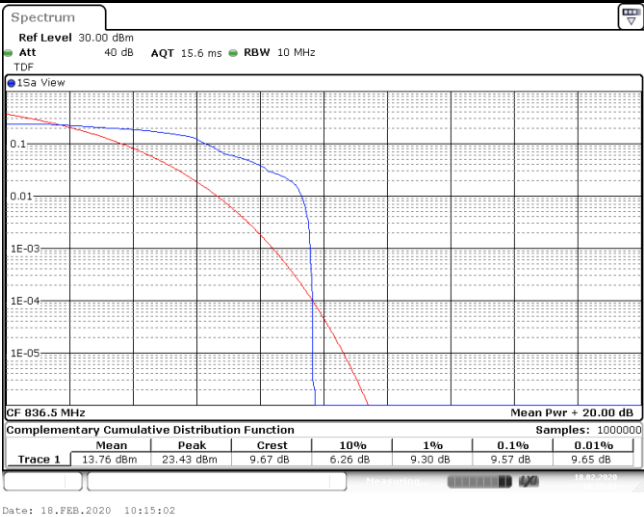
Test Graphs



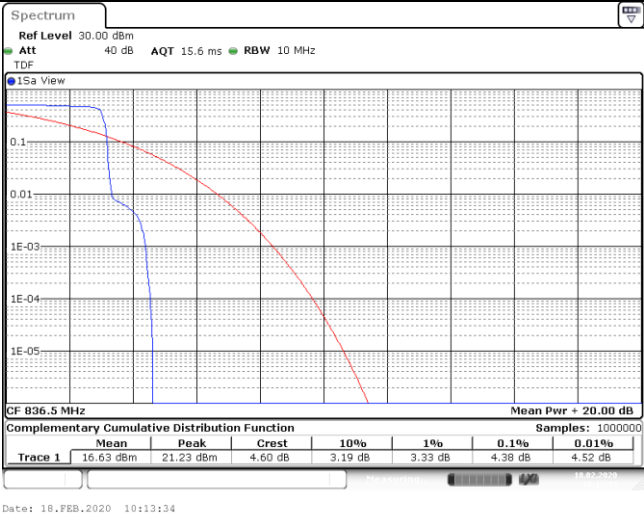
Band26_Stand-Alone_NaN_QPSK_26740_1@0_15kHz_4.38_<=13_PASS__



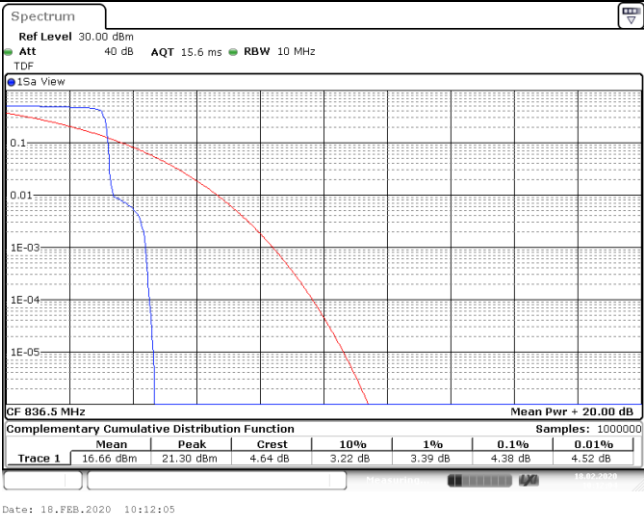
Band26_Stand-Alone_NaN_QPSK_26915_3@3_15kHz_9.57_<=13_PASS__



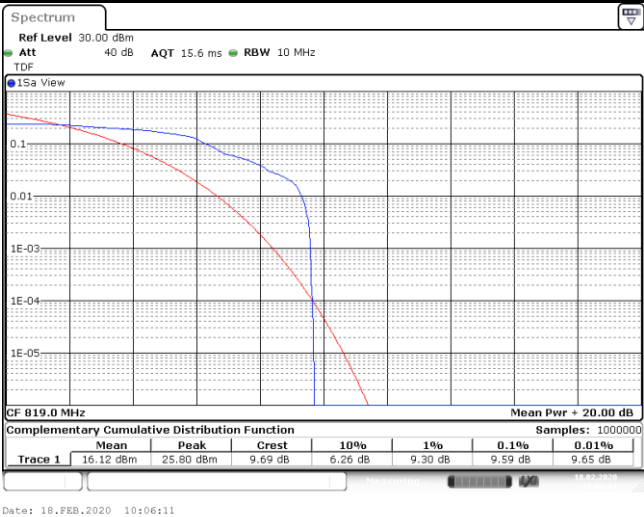
Band26_Stand-Alone_NaN_QPSK_26915_1@11_15kHz_4.38_<=13_PASS__



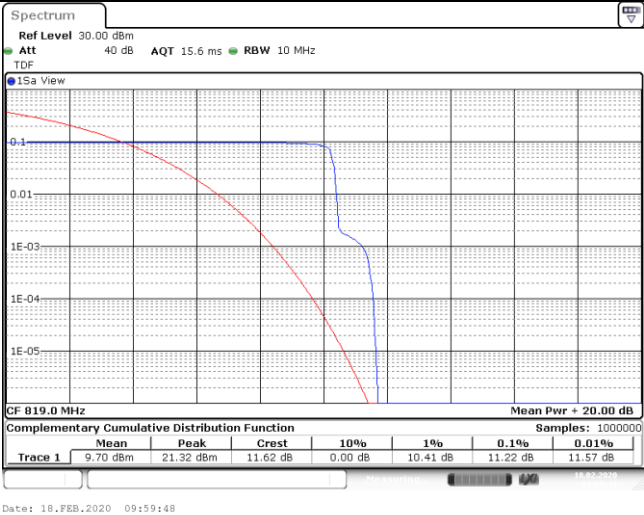
Band26_Stand-Alone_NaN_QPSK_26915_1@0_15kHz_4.38_<=13_PASS__



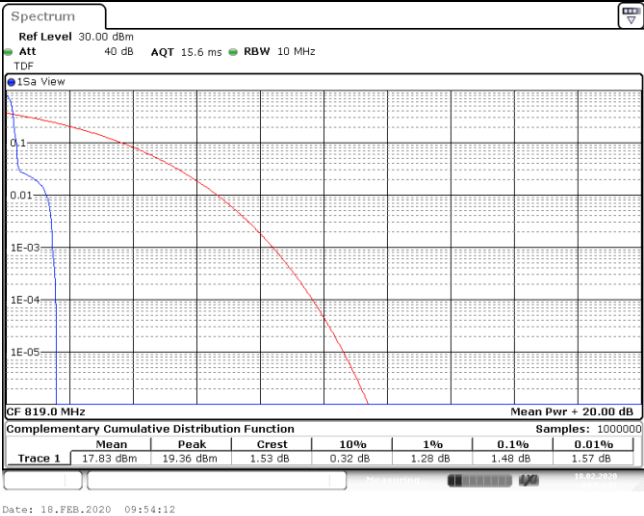
Band26_Stand-Alone_NaN_BPSK_26740_3@3_15kHz_9.59_<=13_PASS__



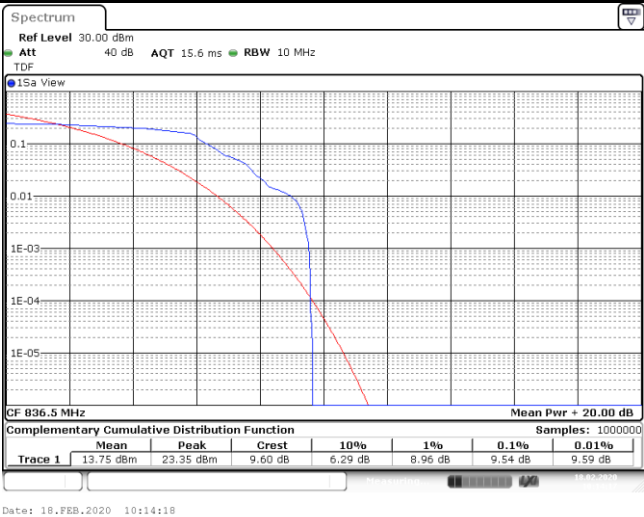
Band26_Stand-Alone_NaN_BPSK_26740_1@11_15kHz_11.22_<=13_PASS__



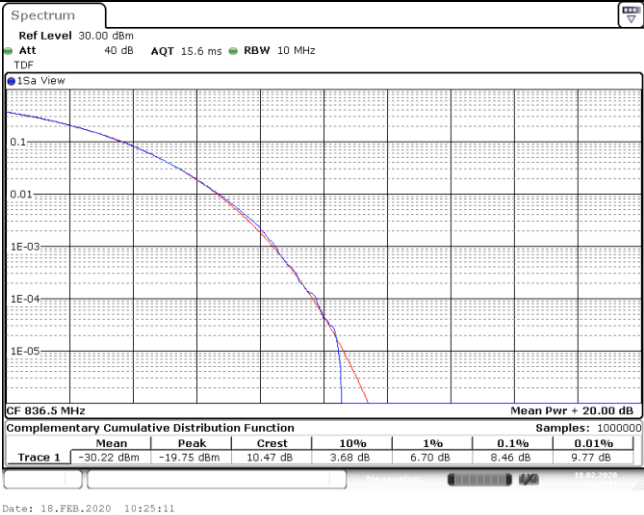
Band26_Stand-Alone_NaN_BPSK_26740_1@0_15kHz_1.48_<=13_PASS__



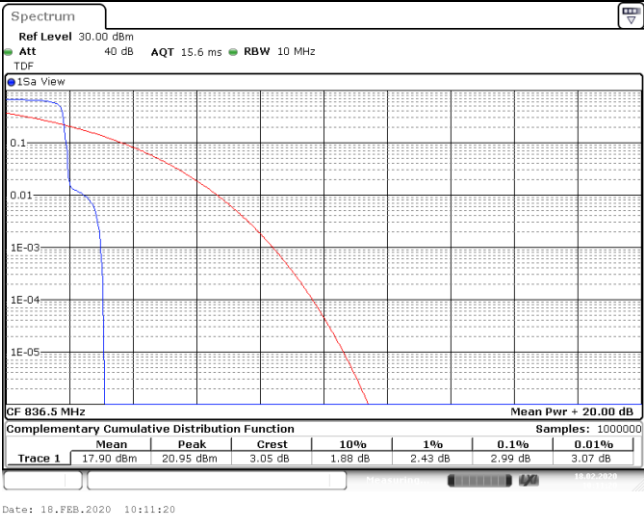
Band26_Stand-Alone_NaN_BPSK_26915_3@3_15kHz_9.54_<=13_PASS__



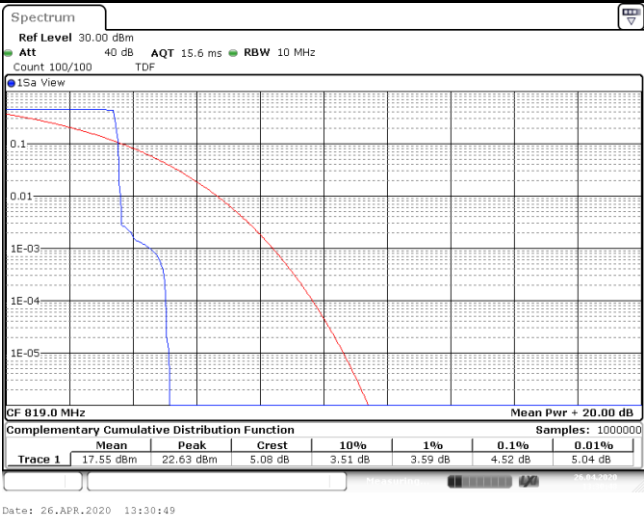
Band26_Stand-Alone_NaN_BPSK_26915_1@11_15kHz_8.46_<=13_PASS__



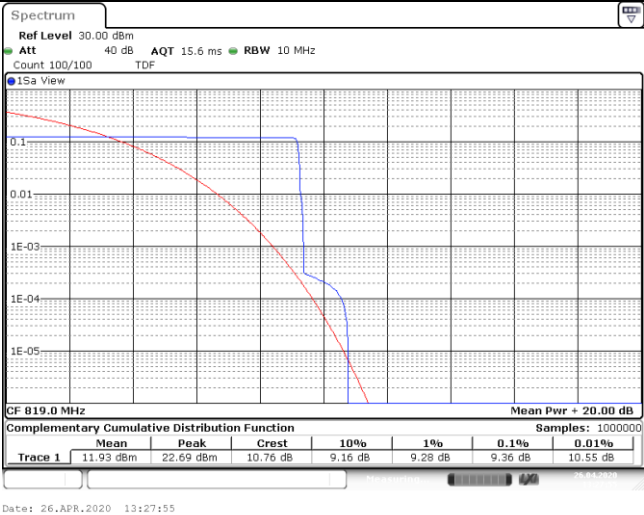
Band26_Stand-Alone_NaN_BPSK_26915_1@0_15kHz_2.99_<=13_PASS__



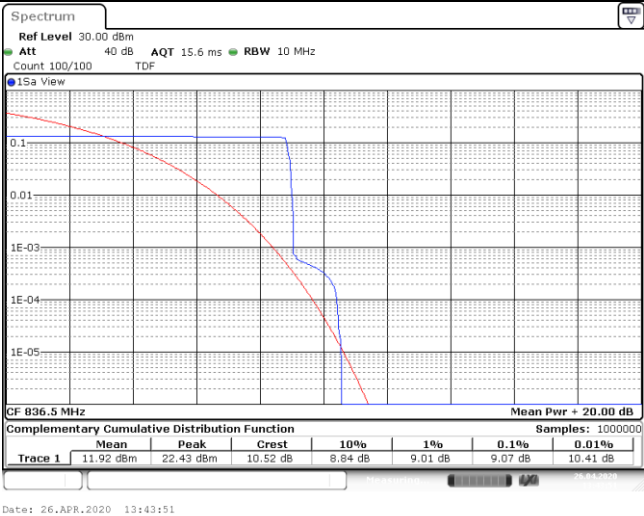
Band26_Stand-Alone_NaN_QPSK_26740_1@47_3.75kHz_4.52_<=13_PASS__



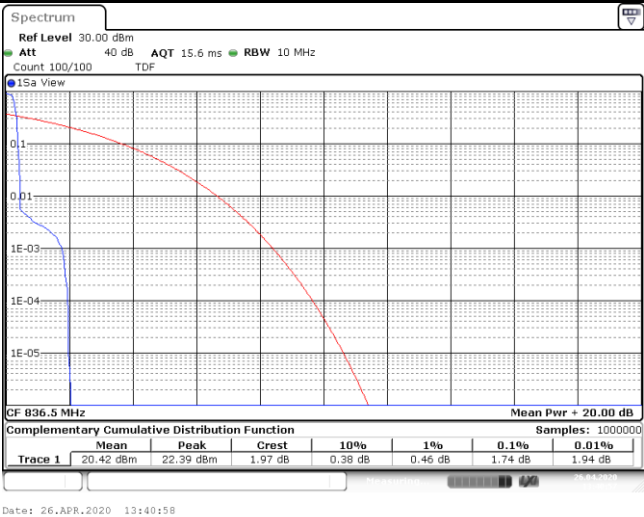
Band26_Stand-Alone_NaN_QPSK_26740_1@0_3.75kHz_9.36_<=13_PASS__



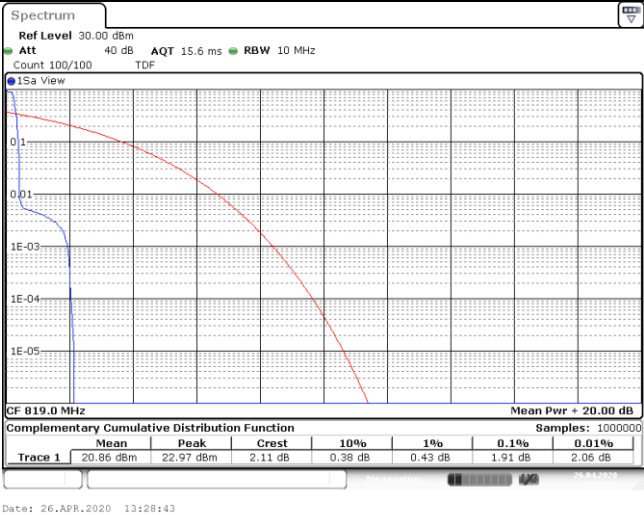
Band26_Stand-Alone_NaN_QPSK_26915_1@47_3.75kHz_9.07_<=13_PASS__



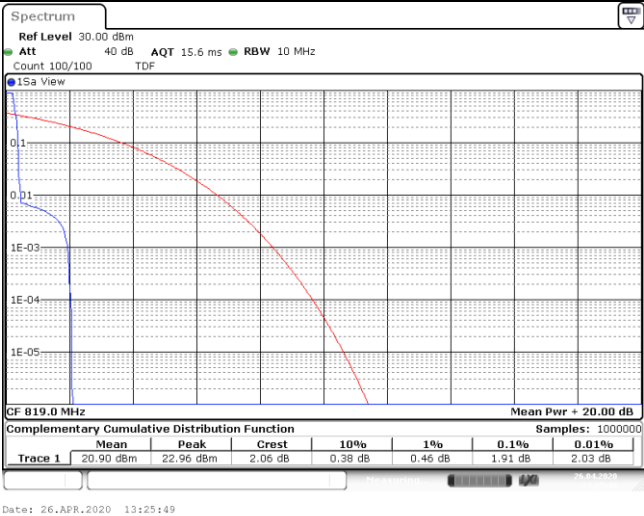
Band26_Stand-Alone_NaN_QPSK_26915_1@0_3.75kHz_1.74_<=13_PASS__



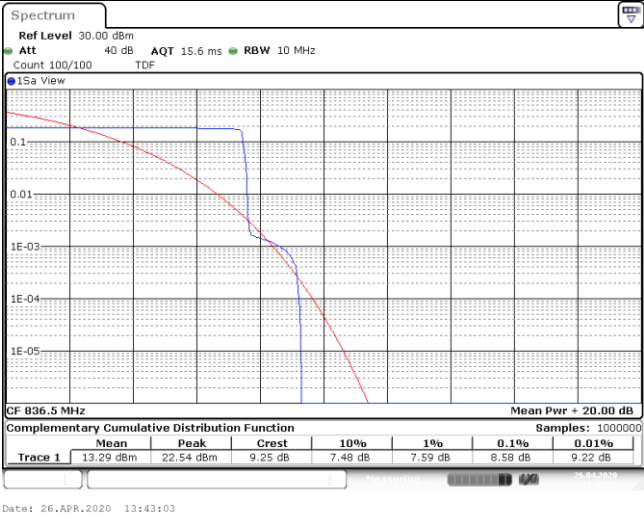
Band26_Stand-Alone_NaN_BPSK_26740_1@47_3.75kHz_1.91_<=13_PASS__



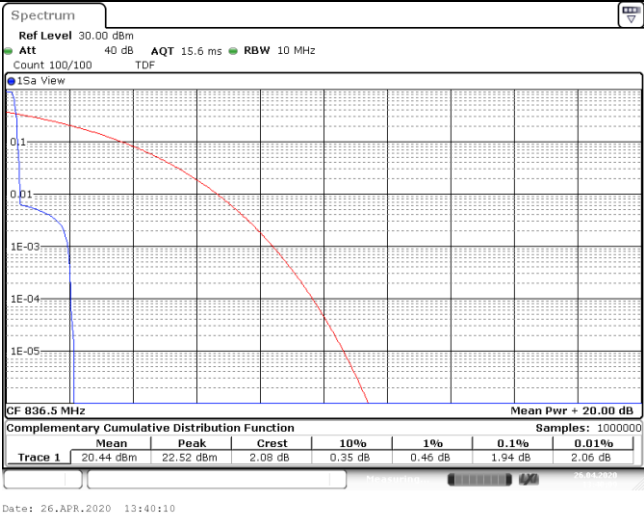
Band26_Stand-Alone_NaN_BPSK_26740_1@0_3.75kHz_1.91_<=13_PASS__



Band26_Stand-Alone_NaN_BPSK_26915_1@47_3.75kHz_8.58_<=13_PASS__



Band26_Stand-Alone_NaN_BPSK_26915_1@0_3.75kHz_1.94_<=13_PASS__

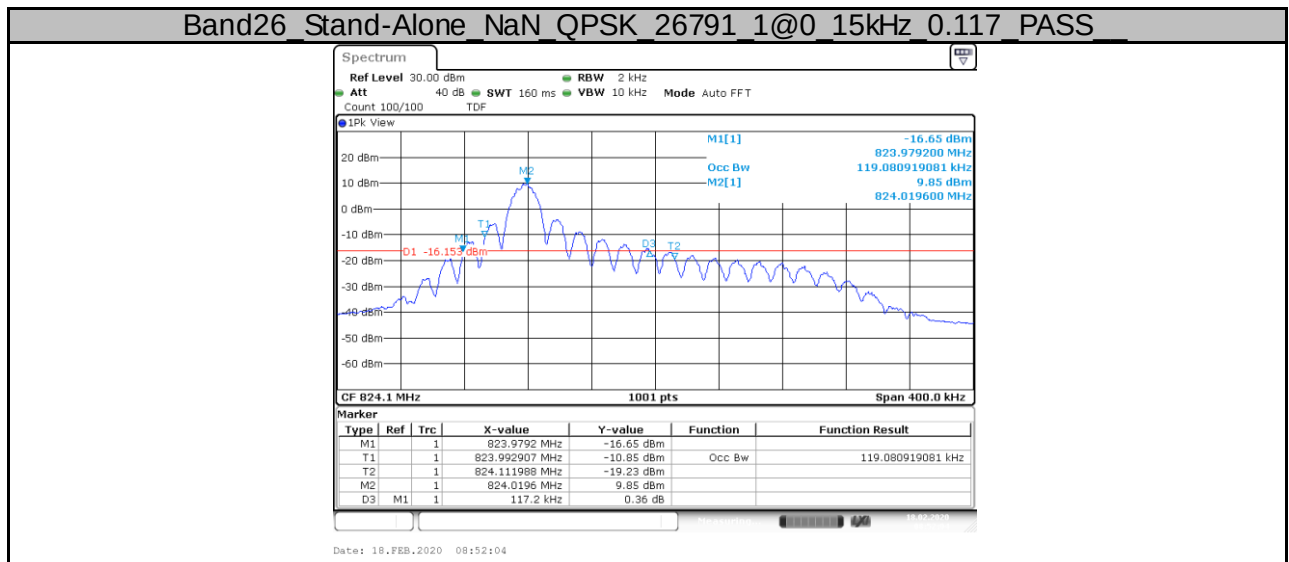


Appendix H.3: 26dB Emission Bandwidth and Occupied Bandwidth for NB

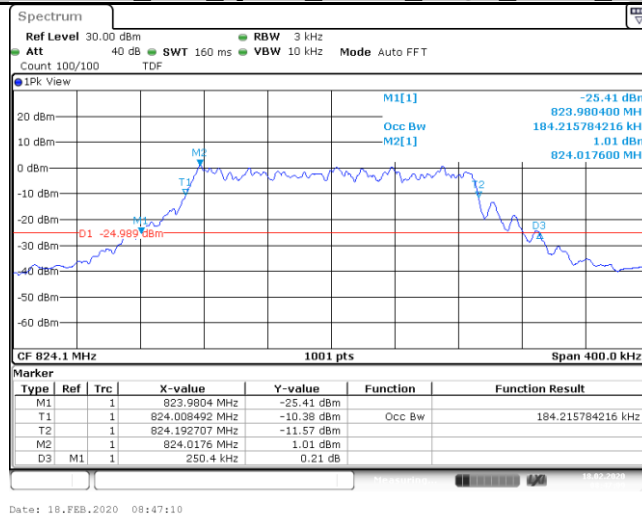
Test Result

Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)	Verdict
Band26	Stand-Alone	NaN	QPSK	26791	1@0	15kHz	0.117	0.119	PASS
Band26	Stand-Alone	NaN	QPSK	26791	12@0	15kHz	0.250	0.184	PASS
Band26	Stand-Alone	NaN	QPSK	26915	12@0	15kHz	0.250	0.184	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	0.117	0.119	PASS
Band26	Stand-Alone	NaN	QPSK	27039	12@0	15kHz	0.250	0.184	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@0	15kHz	0.117	0.119	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@0	15kHz	0.106	0.127	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@0	15kHz	0.106	0.126	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@0	15kHz	0.104	0.127	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@0	3.75kHz	0.038	0.051	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@0	3.75kHz	0.037	0.051	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@0	3.75kHz	0.034	0.055	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@0	3.75kHz	0.034	0.055	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	0.037	0.049	PASS
Band26	Stand-Alone	NaN	BPSK	26740	1@0	3.75kHz	0.032	0.054	PASS

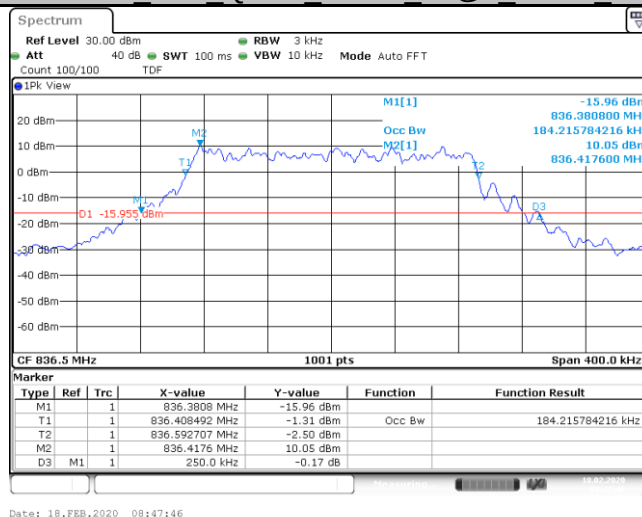
Test Graphs



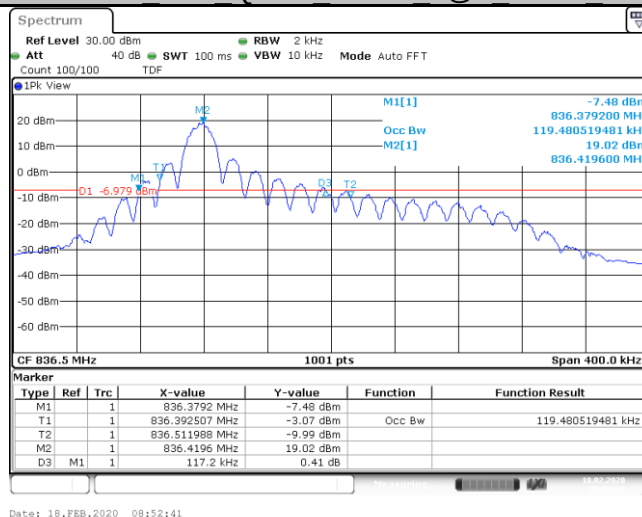
Band26 Stand-Alone NaN QPSK 26791 12@0 15kHz 0.250 PASS



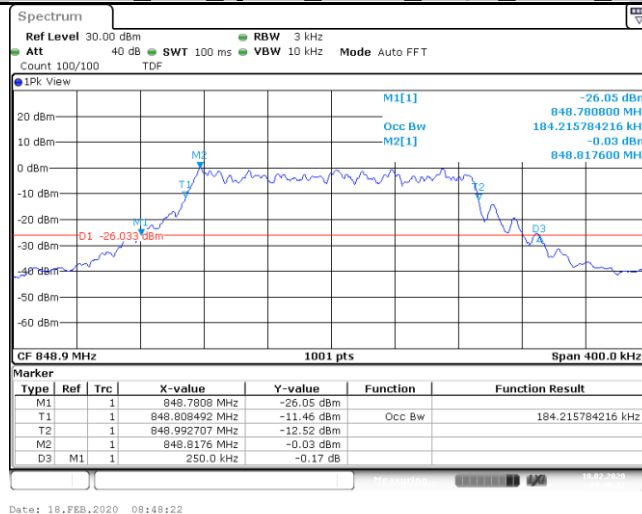
Band26 Stand-Alone NaN QPSK 26915 12@0 15kHz 0.250 PASS



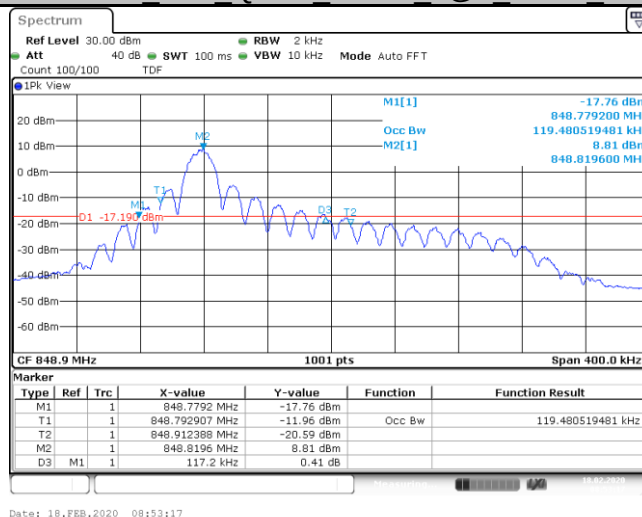
Band26 Stand-Alone NaN QPSK 26915 1@0 15kHz 0.117 PASS



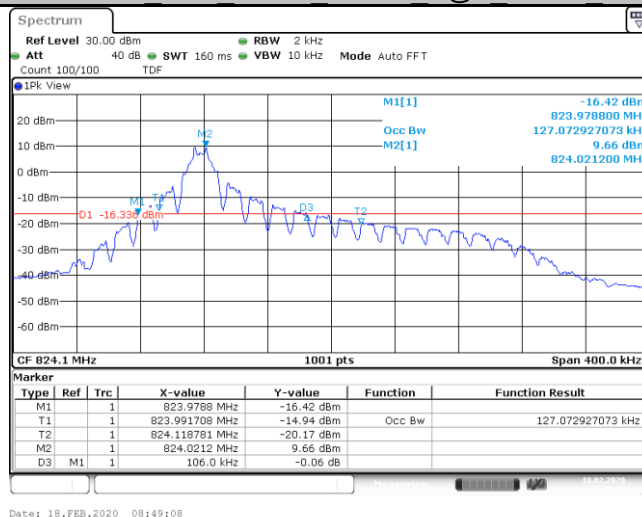
Band26 Stand-Alone NaN QPSK 27039 12@0 15kHz 0.250 PASS



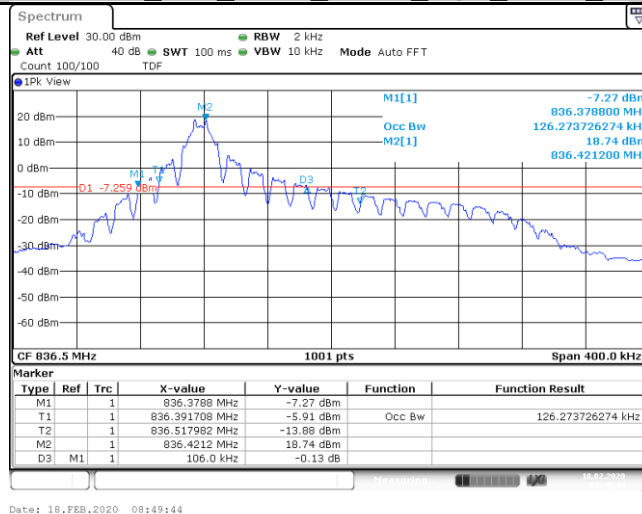
Band26 Stand-Alone NaN QPSK 27039 1@0 15kHz 0.117 PASS



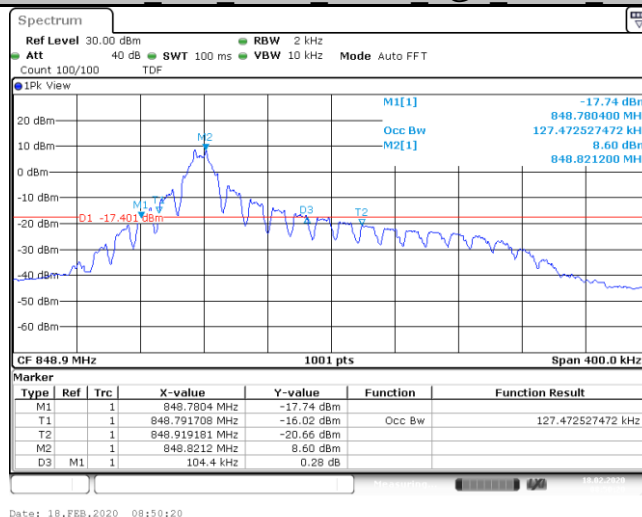
Band26 Stand-Alone NaN BPSK 26791 1@0 15kHz 0.106 PASS



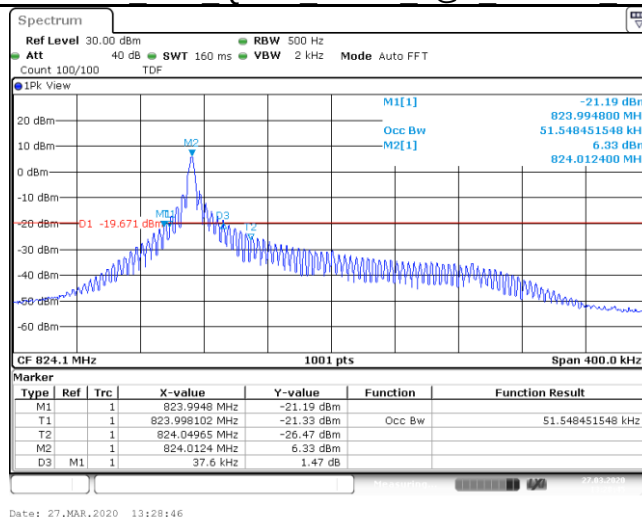
Band26 Stand-Alone NaN BPSK 26915 1@0 15kHz 0.106 PASS



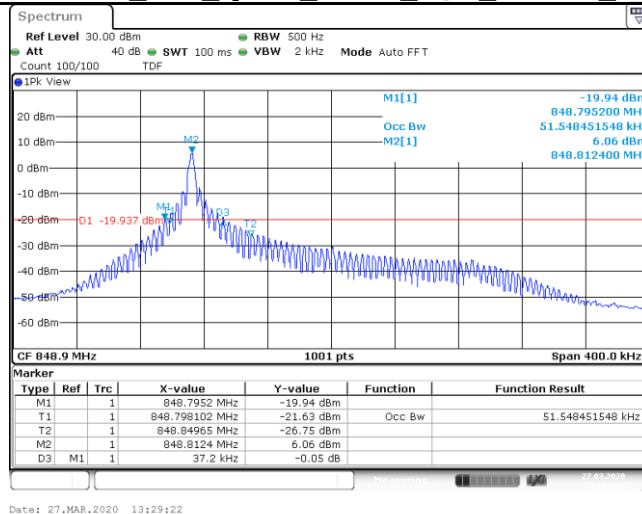
Band26 Stand-Alone NaN BPSK 27039 1@0 15kHz 0.104 PASS



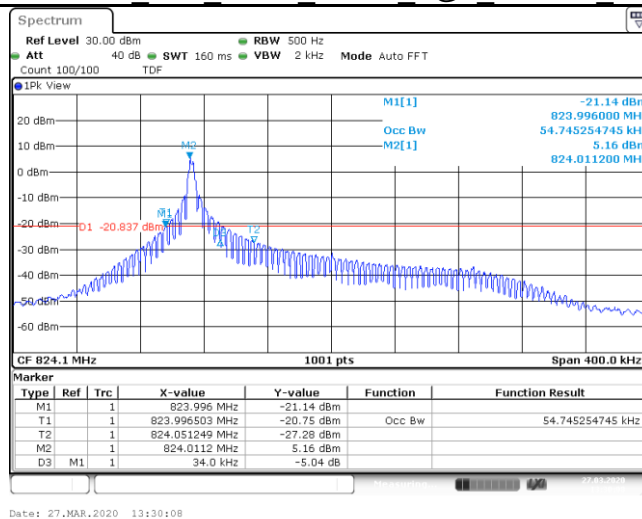
Band26 Stand-Alone NaN QPSK 26791 1@0 3.75kHz 0.038 PASS



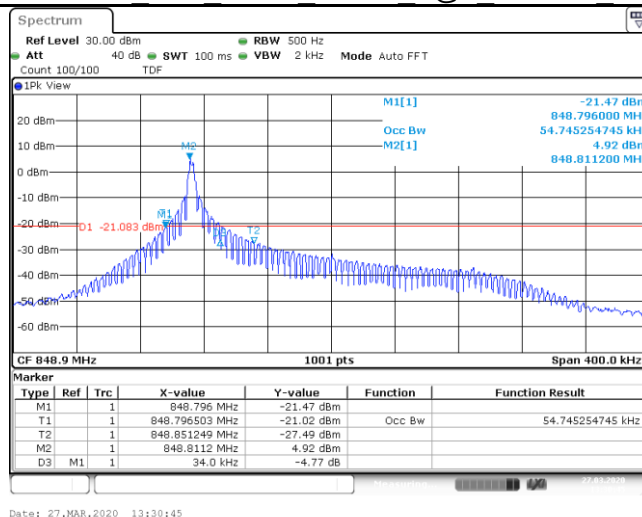
Band26 Stand-Alone NaN QPSK 27039 1@0 3.75kHz 0.037 PASS



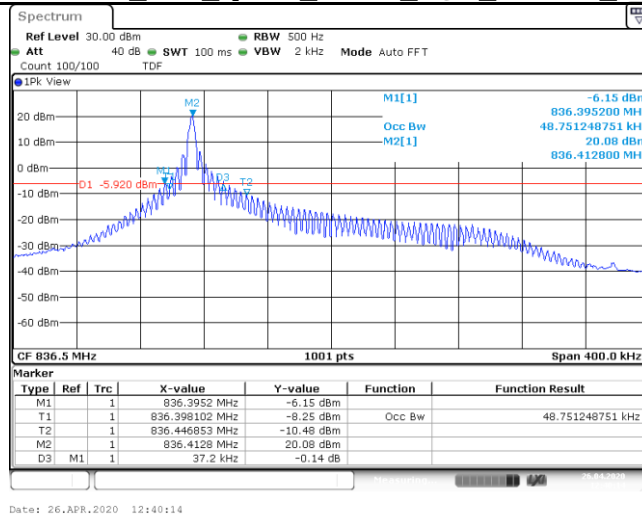
Band26 Stand-Alone NaN BPSK 26791 1@0 3.75kHz 0.034 PASS



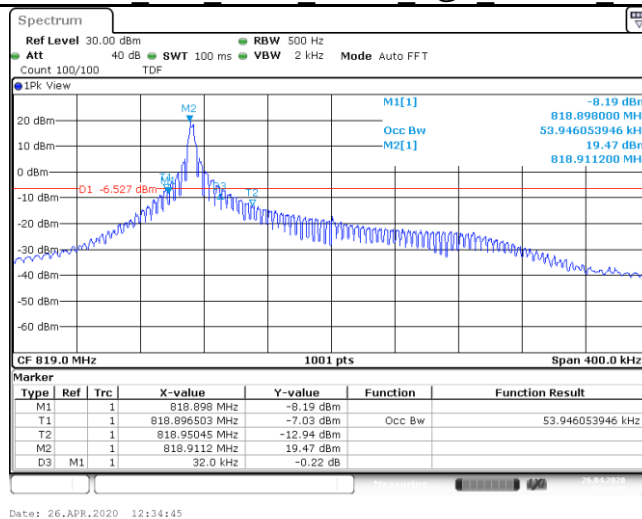
Band26 Stand-Alone NaN BPSK 27039 1@0 3.75kHz 0.034 PASS



Band26 Stand-Alone NaN QPSK 26915 1@0 3.75kHz 0.037 PASS



Band26 Stand-Alone NaN BPSK 26740 1@0 3.75kHz 0.032 PASS

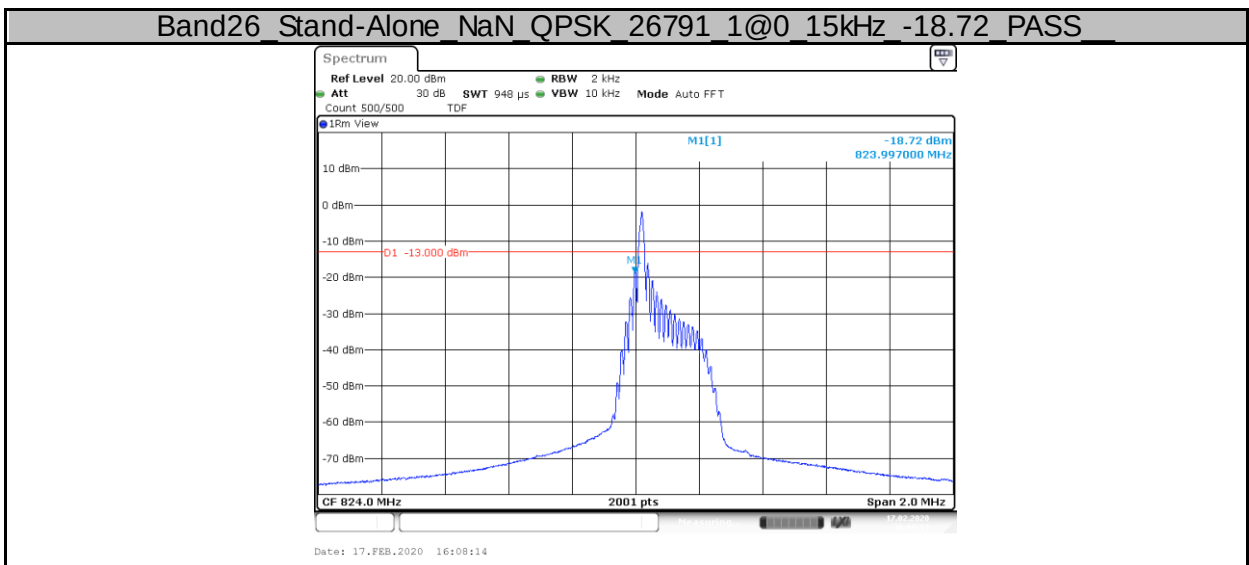


Appendix H.4: Band Edge for NB

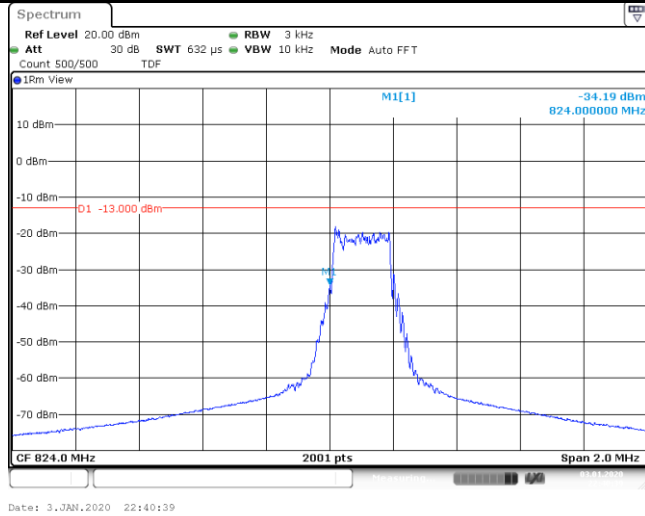
Test Result

Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Result (dBm)	Verdict
Band26	Stand-Alone	NaN	QPSK	26791	1@0	15kHz	-18.72	PASS
Band26	Stand-Alone	NaN	QPSK	26791	12@0	15kHz	-34.19	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@11	15kHz	-36.49	PASS
Band26	Stand-Alone	NaN	QPSK	27039	12@0	15kHz	-31.88	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@11	15kHz	-18.85	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@0	15kHz	-37.46	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@0	15kHz	-16.32	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@11	15kHz	-35.02	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@11	15kHz	-17.41	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@0	15kHz	-36.68	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@0	3.75kHz	-27.19	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@47	3.75kHz	-48.33	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@47	3.75kHz	-26.80	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@0	3.75kHz	-48.29	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@0	3.75kHz	-25.72	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@47	3.75kHz	-47.62	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@47	3.75kHz	-25.88	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@0	3.75kHz	-47.11	PASS

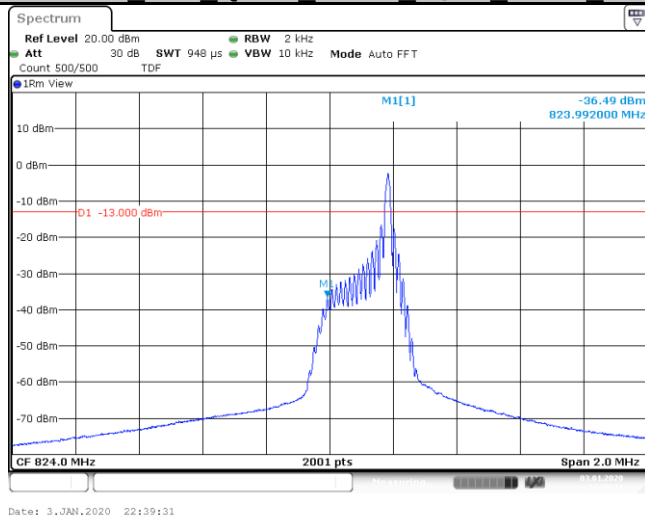
Test Graphs



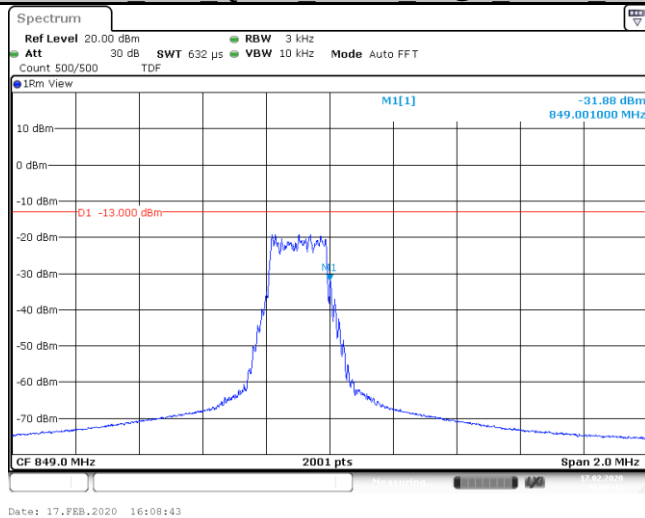
Band26 Stand-Alone NaN QPSK 26791 12@0 15kHz -34.19 PASS



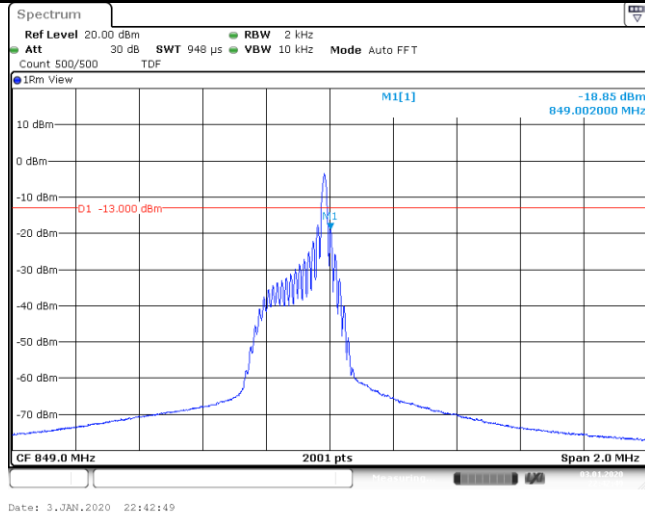
Band26 Stand-Alone NaN QPSK 26791 1@11 15kHz -36.49 PASS



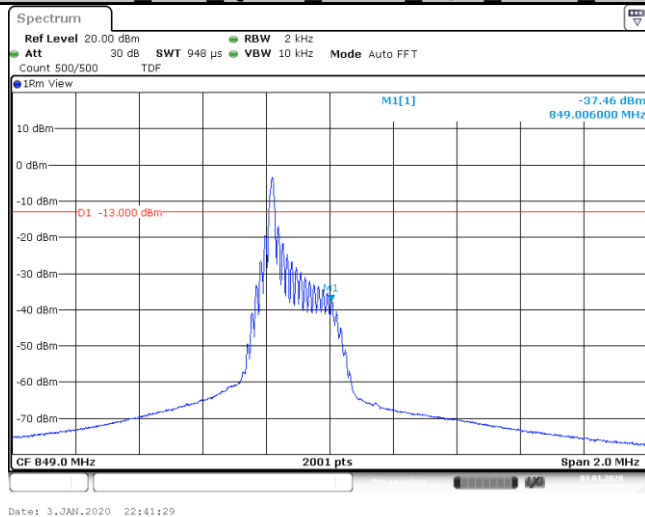
Band26 Stand-Alone NaN QPSK 27039 12@0 15kHz -31.88 PASS



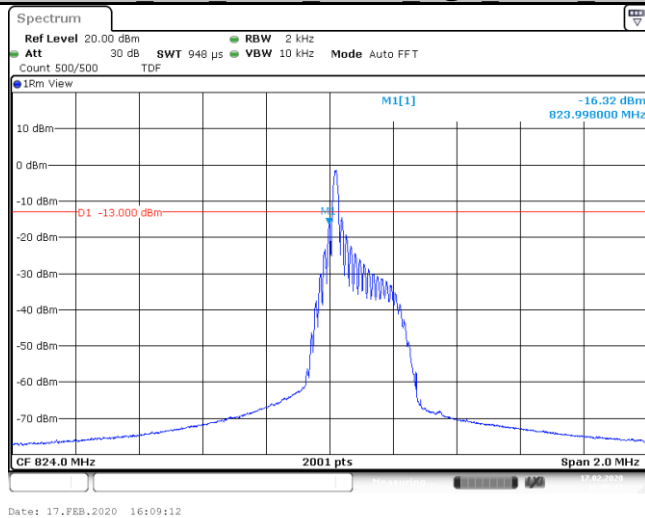
Band26 Stand-Alone NaN QPSK 27039 1@11 15kHz -18.85 PASS



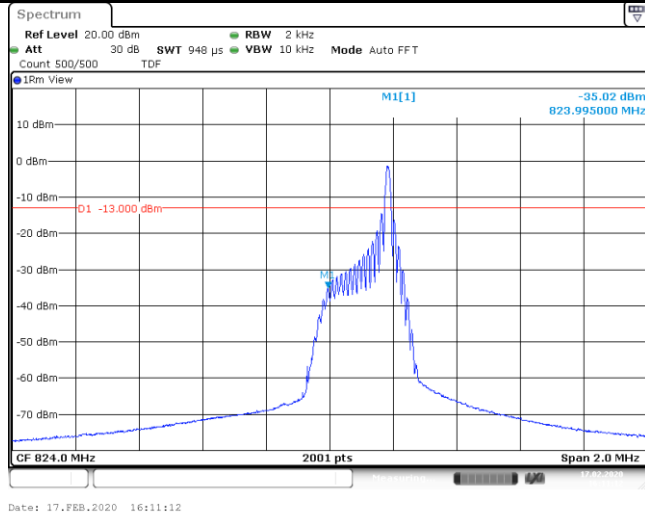
Band26 Stand-Alone NaN QPSK 27039 1@0 15kHz -37.46 PASS



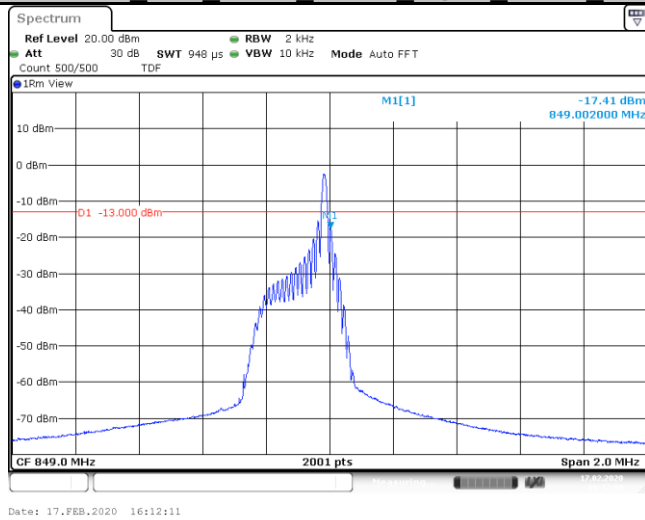
Band26 Stand-Alone NaN BPSK 26791 1@0 15kHz -16.32 PASS



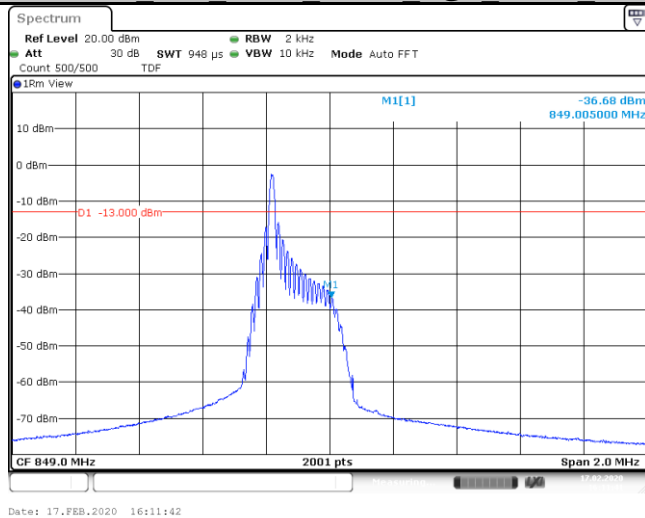
Band26 Stand-Alone NaN BPSK 26791 1@11 15kHz -35.02 PASS



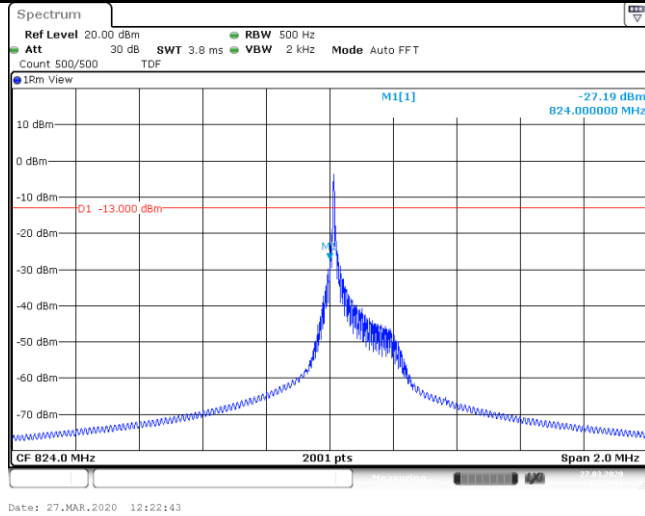
Band26 Stand-Alone NaN BPSK 27039 1@11 15kHz -17.41 PASS



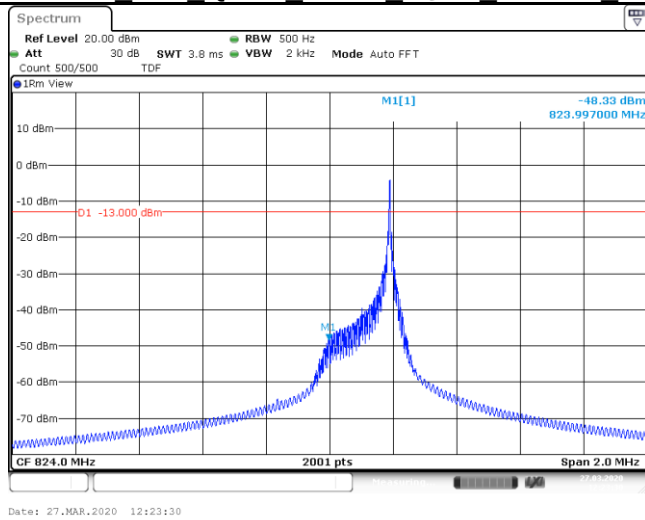
Band26 Stand-Alone NaN BPSK 27039 1@0 15kHz -36.68 PASS



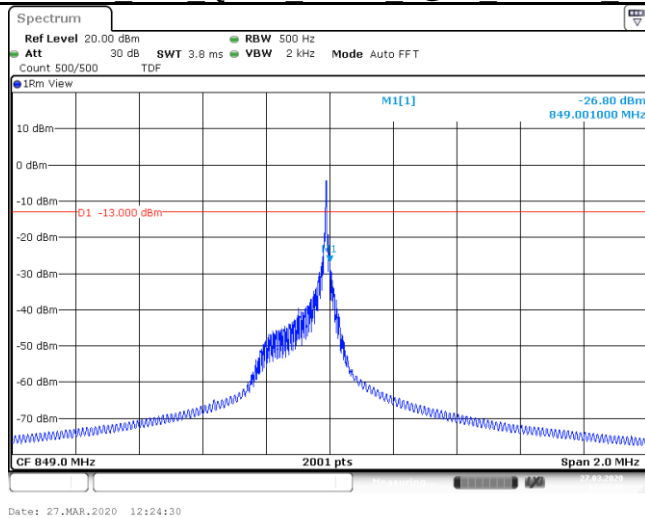
Band26 Stand-Alone NaN QPSK 26791 1@0 3.75kHz -27.19 PASS



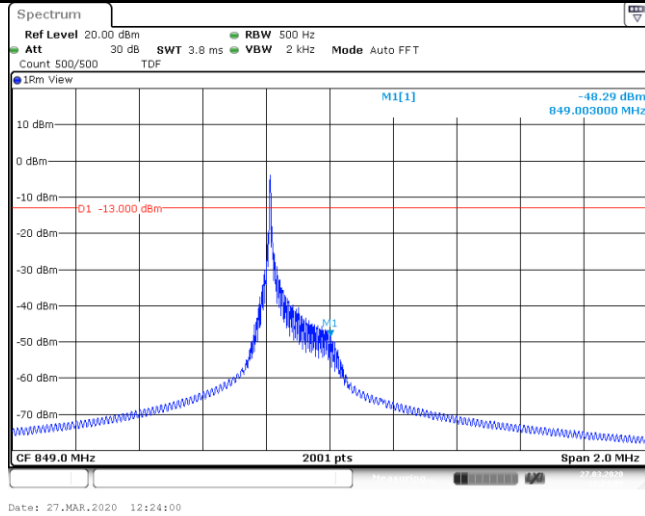
Band26 Stand-Alone NaN QPSK 26791 1@47 3.75kHz -48.33 PASS



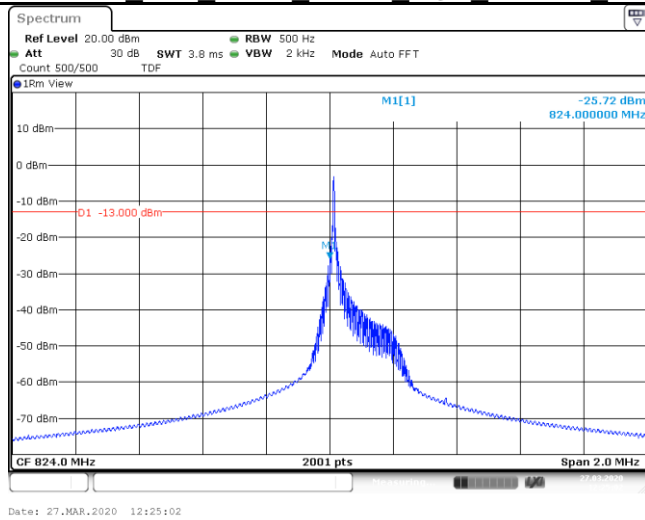
Band26 Stand-Alone NaN QPSK 27039 1@47 3.75kHz -26.80 PASS



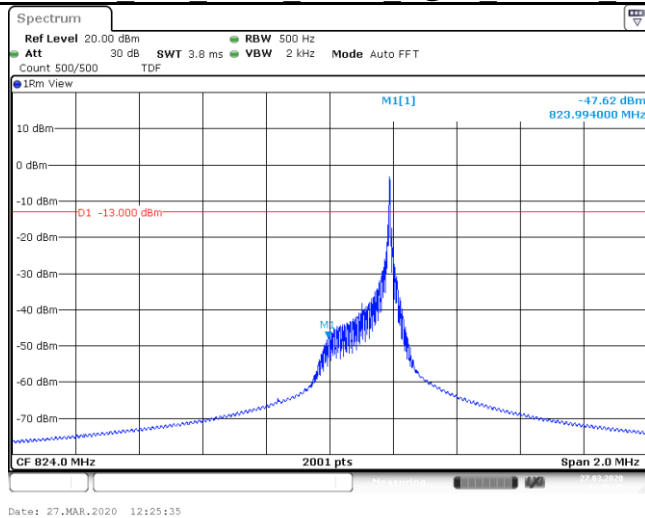
Band26 Stand-Alone NaN QPSK 27039 1@0 3.75kHz -48.29 PASS

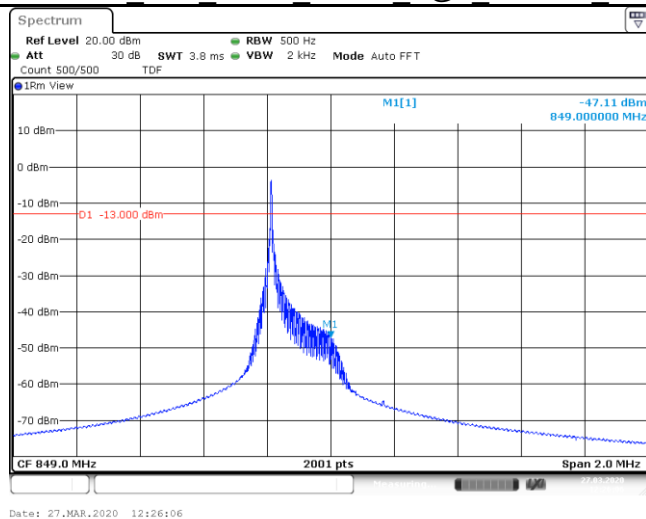
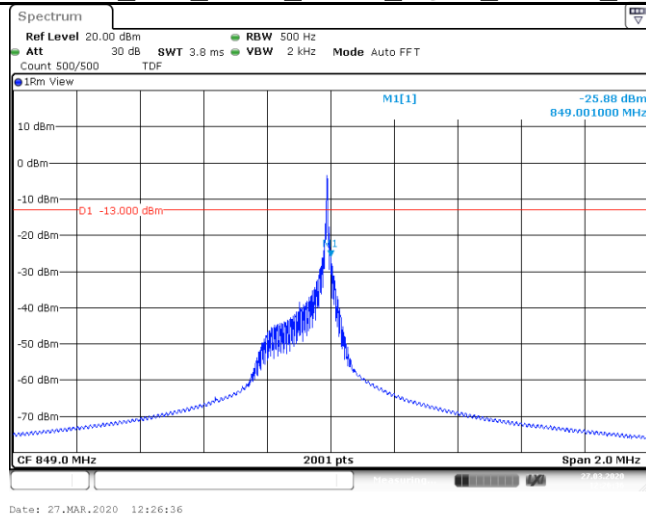


Band26 Stand-Alone NaN BPSK 26791 1@0 3.75kHz -25.72 PASS



Band26 Stand-Alone NaN BPSK 26791 1@47 3.75kHz -47.62 PASS





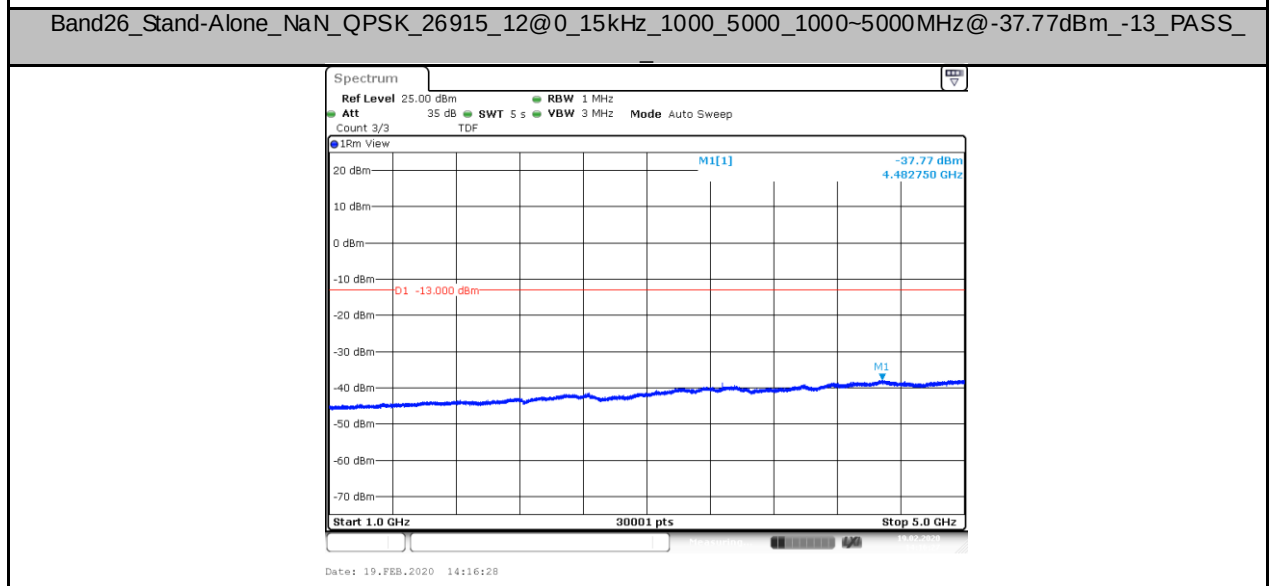
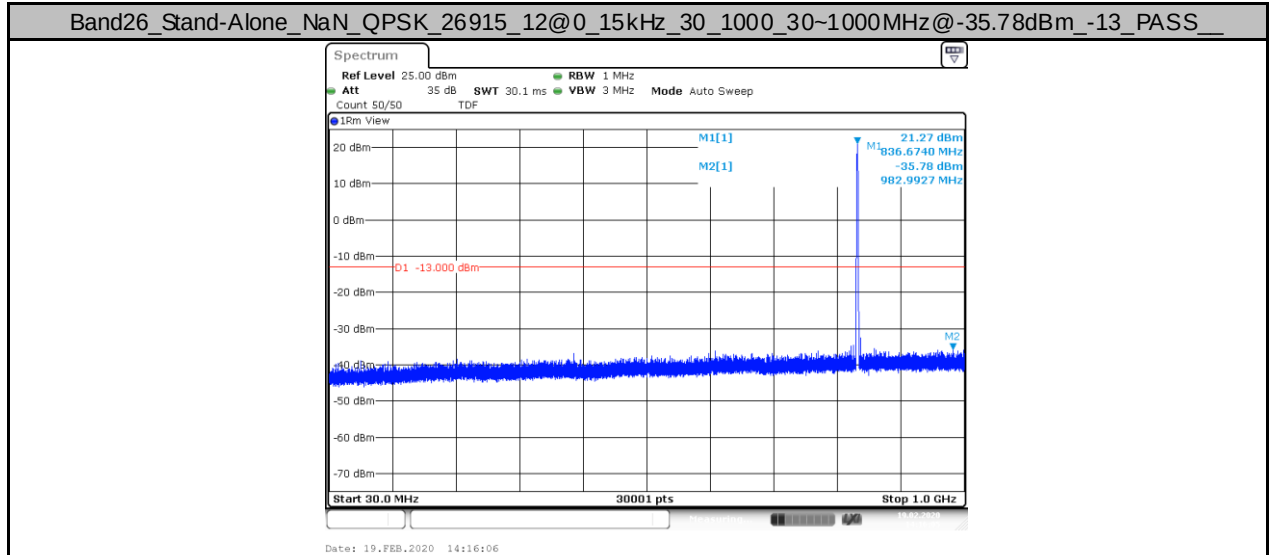
Appendix H.5: Conducted Spurious Emission for NB

Test Result

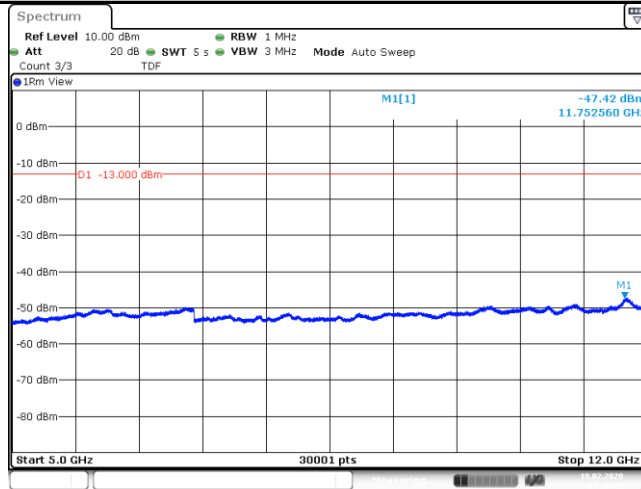
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
Band26	Stand-Alone	NaN	QPSK	26791	12@0	15kHz	30	1000	30~1000MHz@-35.81dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26791	12@0	15kHz	12000	26500	12000~26500MHz@-41.31dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26791	12@0	15kHz	1000	5000	1000~5000MHz@-37.71dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26791	12@0	15kHz	5000	12000	5000~12000MHz@-47.34dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	12@0	15kHz	30	1000	30~1000MHz@-35.78dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	12@0	15kHz	1000	5000	1000~5000MHz@-37.77dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	12@0	15kHz	5000	12000	5000~12000MHz@-47.42dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	12@0	15kHz	12000	26500	12000~26500MHz@-41.25dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	27039	12@0	15kHz	12000	26500	12000~26500MHz@-41.25dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	27039	12@0	15kHz	30	1000	30~1000MHz@-35.76dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	27039	12@0	15kHz	1000	5000	1000~5000MHz@-37.67dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	27039	12@0	15kHz	5000	12000	5000~12000MHz@-47.27dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@0	15kHz	5000	12000	5000~12000MHz@-47.41dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@11	15kHz	12000	26500	12000~26500MHz@-41.37dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@11	15kHz	5000	12000	5000~12000MHz@-47.4dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@11	15kHz	1000	5000	1000~5000MHz@-37.86dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@0	15kHz	12000	26500	12000~26500MHz@-41.5dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@0	15kHz	1000	5000	1000~5000MHz@-37.77dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@0	15kHz	30	1000	30~1000MHz@-35.43dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26791	1@11	15kHz	30	1000	30~1000MHz@-35.63dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@11	15kHz	1000	5000	1000~5000MHz@-37.59dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@0	15kHz	30	1000	30~1000MHz@-35.56dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@11	15kHz	5000	12000	5000~12000MHz@-47.43dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@11	15kHz	12000	26500	12000~26500MHz@-41.27dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@11	15kHz	30	1000	30~1000MHz@-35.82dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@0	15kHz	12000	26500	12000~26500MHz@-41.24dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@0	15kHz	1000	5000	1000~5000MHz@-37.69dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	26915	1@0	15kHz	5000	12000	5000~12000MHz@-47.24dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@11	15kHz	12000	26500	12000~26500MHz@-41.29dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@0	15kHz	30	1000	30~1000MHz@-35.76dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@0	15kHz	1000	5000	1000~5000MHz@-37.74dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@0	15kHz	5000	12000	5000~12000MHz@-47.35dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@0	15kHz	12000	26500	12000~26500MHz@-41.31dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@11	15kHz	30	1000	30~1000MHz@-36.14dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@11	15kHz	1000	5000	1000~5000MHz@-37.78dBm	-13	PASS
Band26	Stand-Alone	NaN	BPSK	27039	1@11	15kHz	5000	12000	5000~12000MHz@-47.38dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@47	3.75kHz	12000	26500	12000~26500MHz@-41.41dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@0	3.75kHz	1000	5000	1000~5000MHz@-37.95dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@0	3.75kHz	5000	12000	5000~12000MHz@-47.84dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@0	3.75kHz	12000	26500	12000~26500MHz@-41.31dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@47	3.75kHz	30	1000	30~1000MHz@-35.24dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@47	3.75kHz	1000	5000	1000~5000MHz@-37.74dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@47	3.75kHz	5000	12000	5000~12000MHz@-47.77dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26791	1@0	3.75kHz	30	1000	30~1000MHz@-36.21dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@47	3.75kHz	5000	12000	5000~12000MHz@-47.72dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@47	3.75kHz	1000	5000	1000~5000MHz@-37.86dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@47	3.75kHz	30	1000	30~1000MHz@-35.5dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@0	3.75kHz	12000	26500	12000~26500MHz@-41.42dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@0	3.75kHz	5000	12000	5000~12000MHz@-47.8dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@0	3.75kHz	30	1000	30~1000MHz@-35.64dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@47	3.75kHz	12000	26500	12000~26500MHz@-41.42dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	27039	1@0	3.75kHz	1000	5000	1000~5000MHz@-37.86dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	12000	26500	12000~26500MHz@-41.45dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	5000	12000	5000~12000MHz@-47.57dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	1000	5000	1000~5000MHz@-37.76dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	30	1000	30~1000MHz@-34.87dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	12000	26500	12000~26500MHz@-41.47dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	5000	12000	5000~12000MHz@-47.71dBm	-13	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	1000	5000	1000~5000MHz@-37.8dBm	-13	PASS

Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	30	1000	30~1000MHz@-34.83dBm	-13	PASS
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Test Graphs

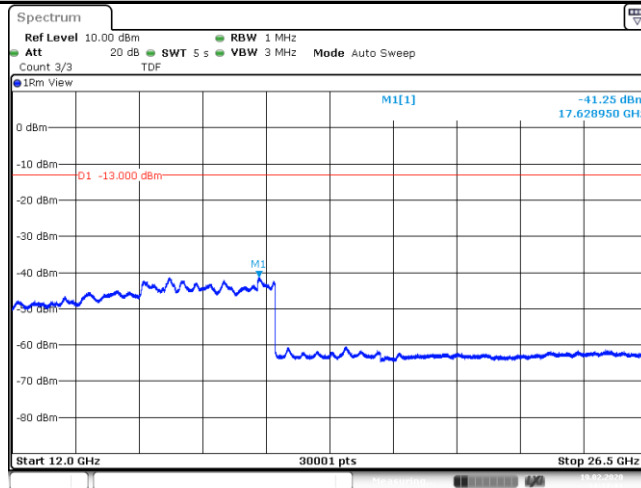


Band26_Stand-Alone_NaN_QPSK_26915_12@0_15kHz_5000_12000_5000~12000MHz@-47.42dBm_-13_PAS



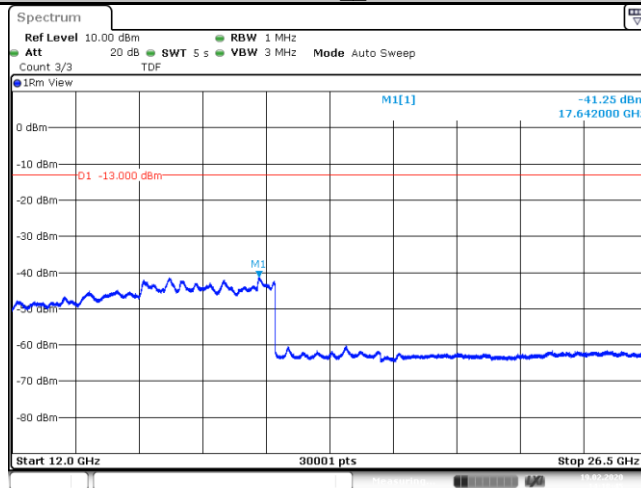
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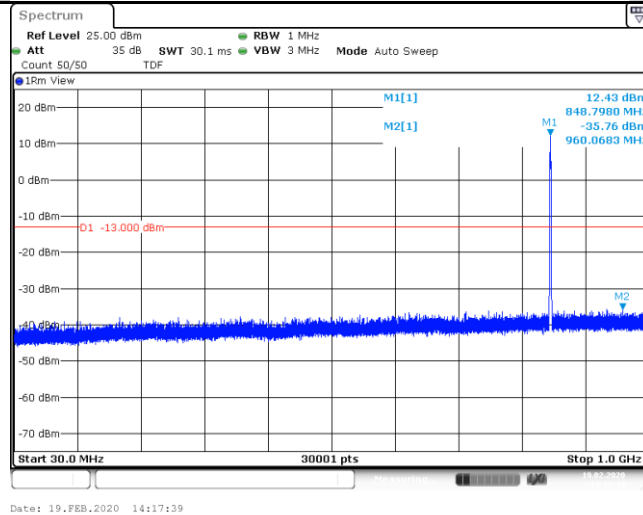
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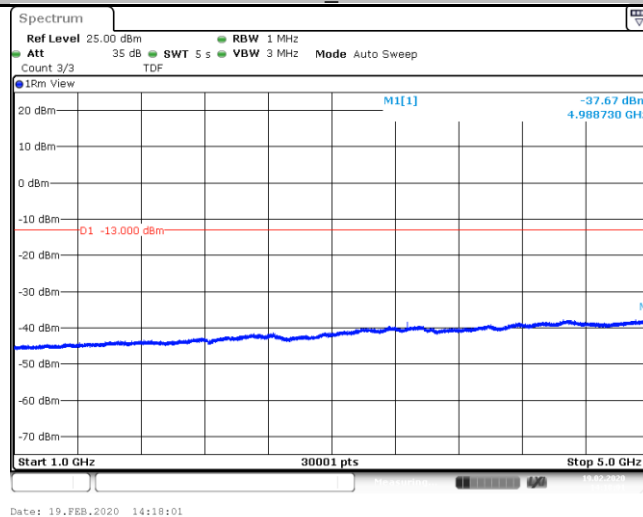


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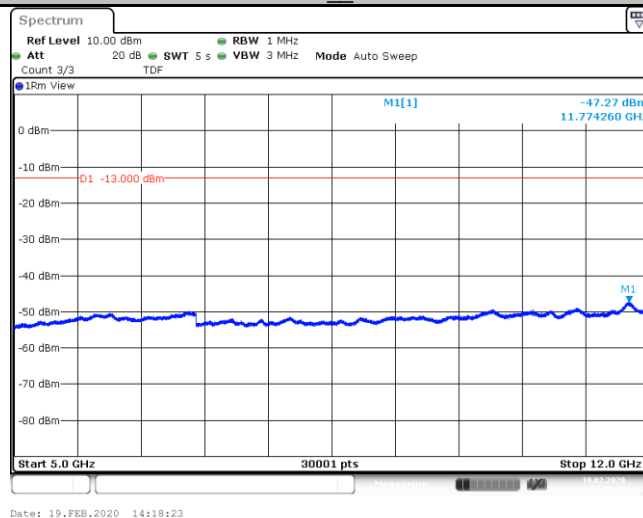
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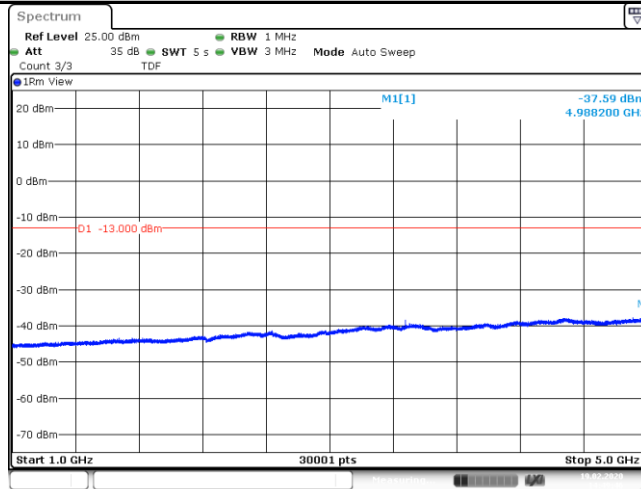
Band26_Stand-Alone_NaN_QPSK_27039_12@0_15kHz_1000_5000_1000~5000MHz@-37.67dBm_-13_PASS__



Band26_Stand-Alone_NaN_QPSK_27039_12@0_15kHz_5000_12000_5000~12000MHz@-47.27dBm_-13_PAS
S__

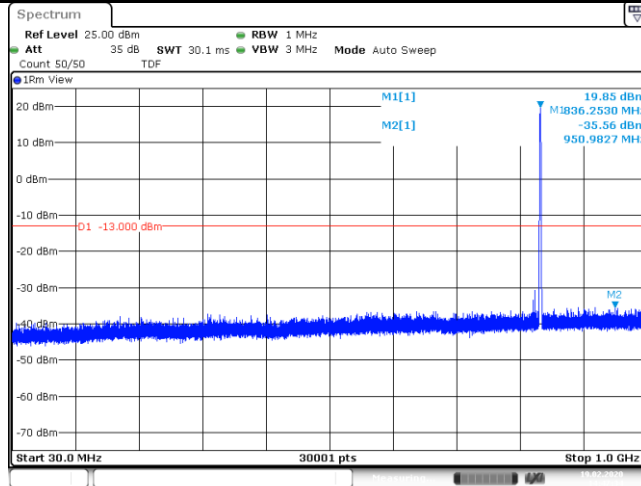


Band26_Stand-Alone_NaN_BPSK_26915_1@11_15kHz_1000_5000_1000~5000MHz@-37.59dBm_-13_PASS_



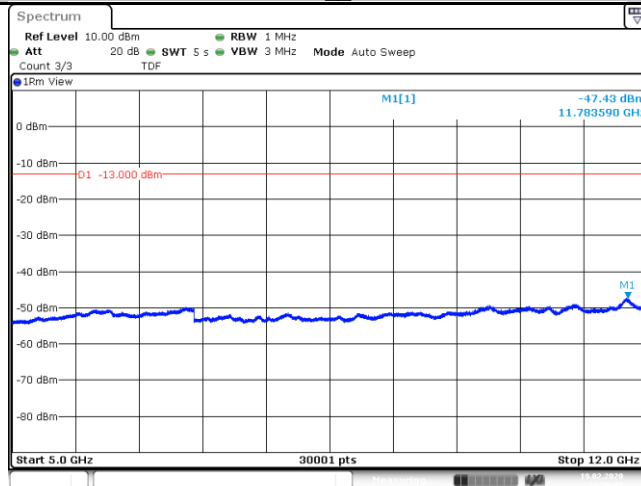
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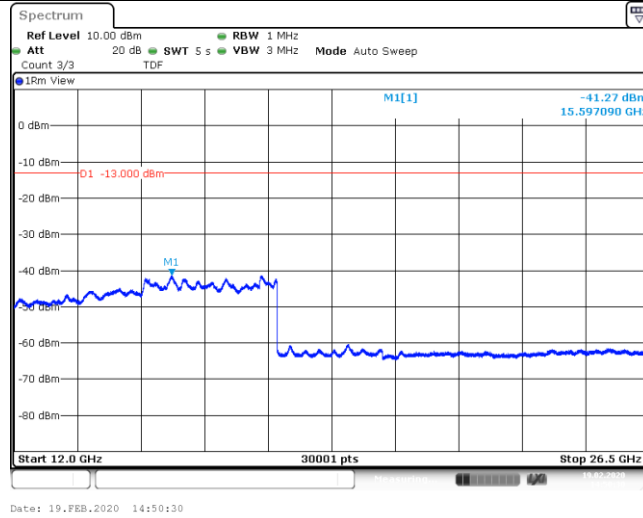
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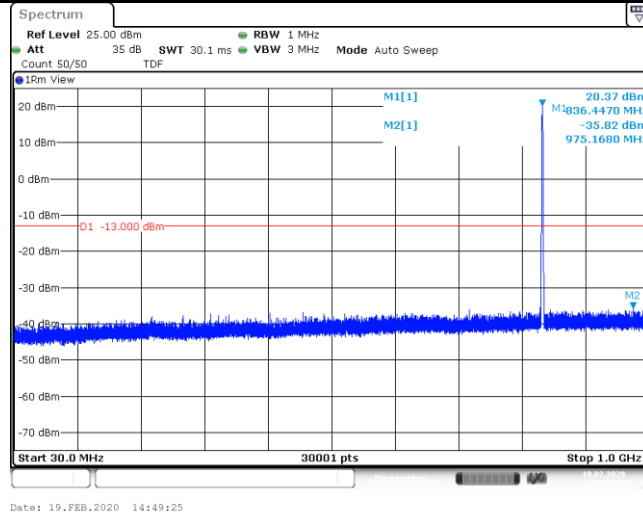


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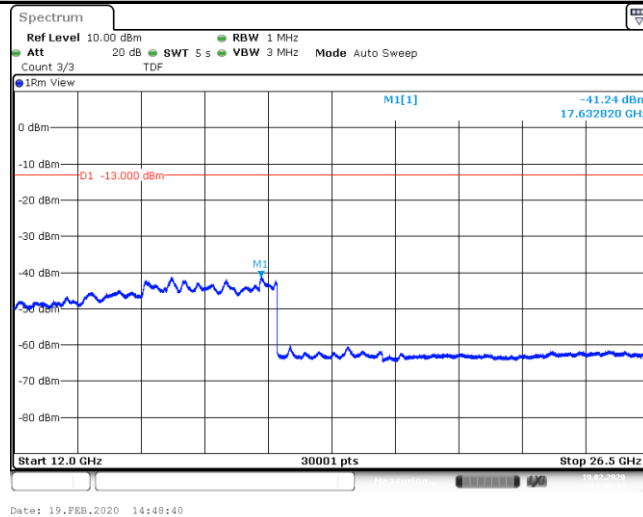
Band26_Stand-Alone_NaN_BPSK_26915_1@11_15kHz_12000_26500_12000~26500MHz@-41.27dBm_-13_PA
SS



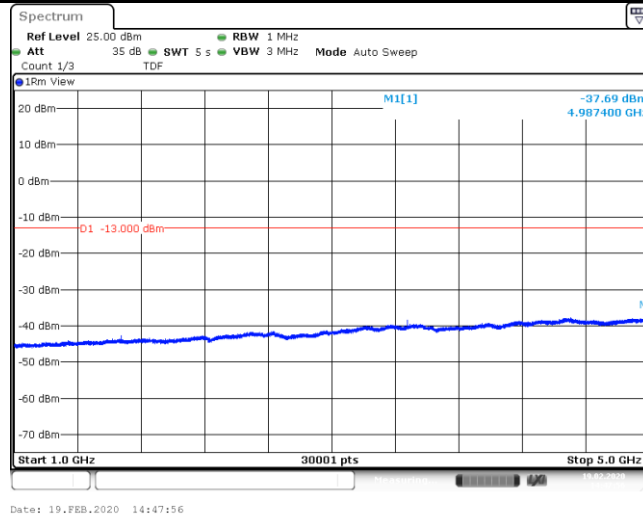
Band26_Stand-Alone_NaN_BPSK_26915_1@11_15kHz_30_1000_30~1000MHz@-35.82dBm_-13_PASS



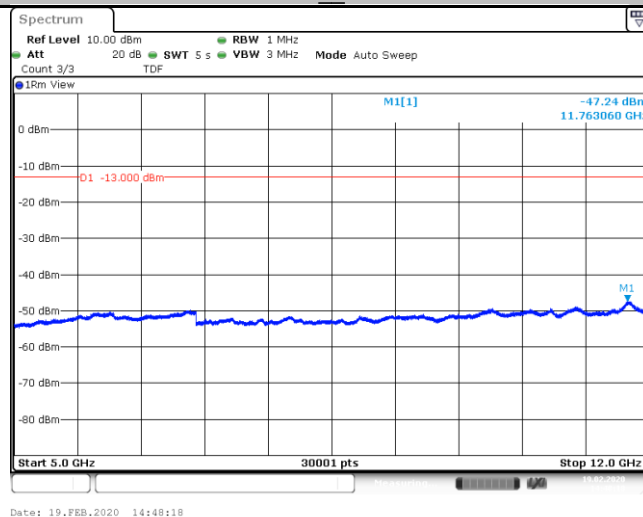
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SS



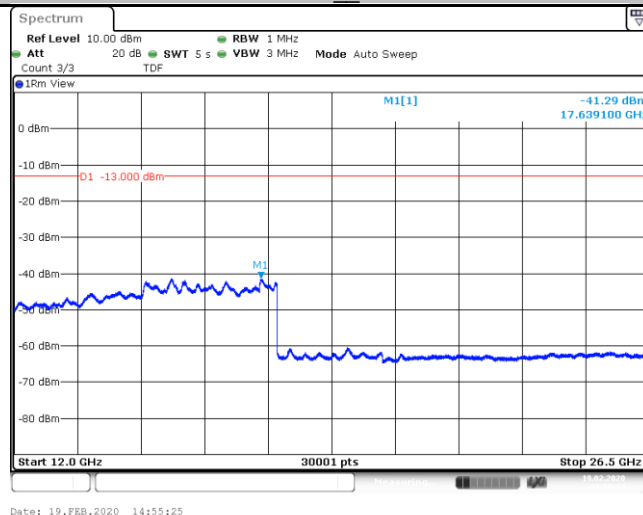
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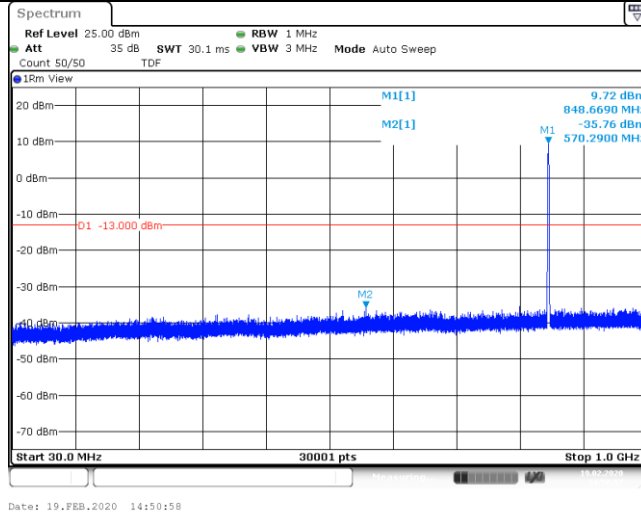
Band26_Stand-Alone_NaN_BPSK_26915_1@0_15kHz_5000_12000_5000~12000MHz@-47.24dBm_-13_PASS



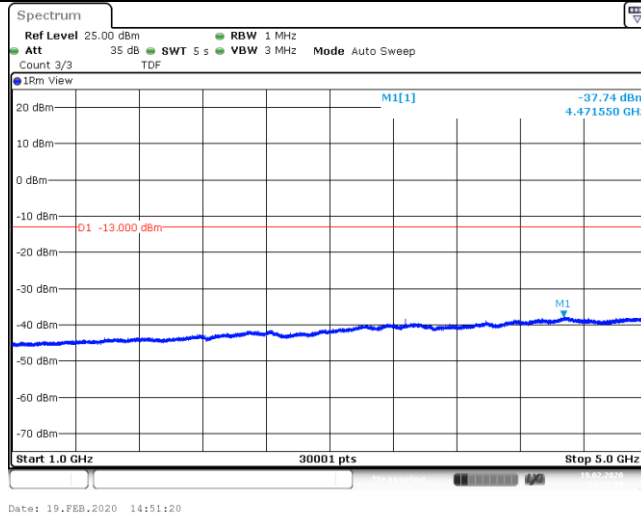
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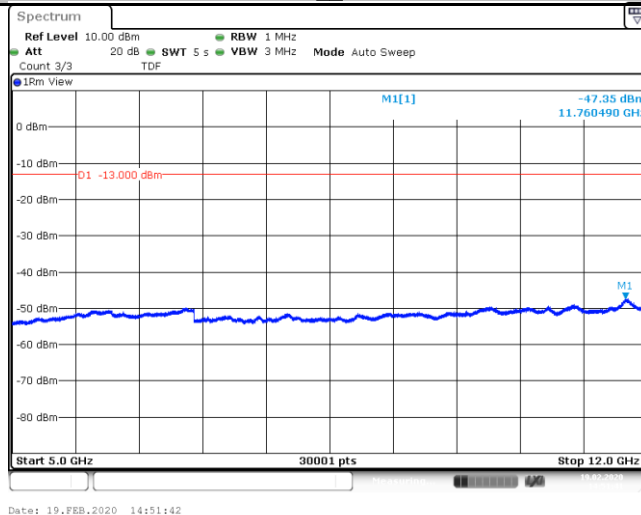
Band26_Stand-Alone_NaN_BPSK_27039_1@0_15kHz_30_1000_30~1000MHz@-35.76dBm_-13_PASS__



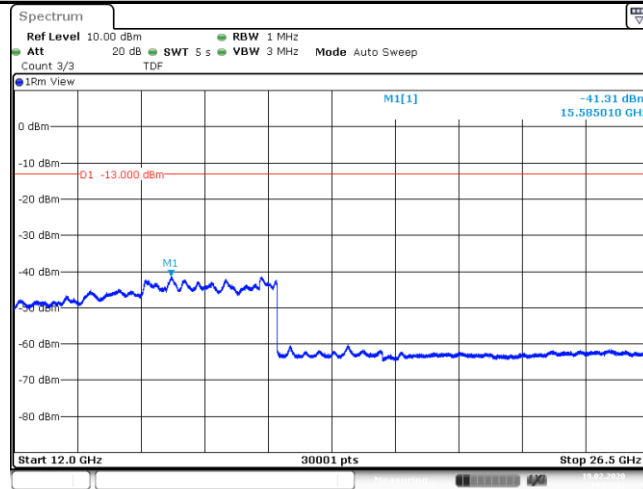
Band26_Stand-Alone_NaN_BPSK_27039_1@0_15kHz_1000_5000_1000~5000MHz@-37.74dBm_-13_PASS__



Band26_Stand-Alone_NaN_BPSK_27039_1@0_15kHz_5000_12000_5000~12000MHz@-47.35dBm_-13_PASS

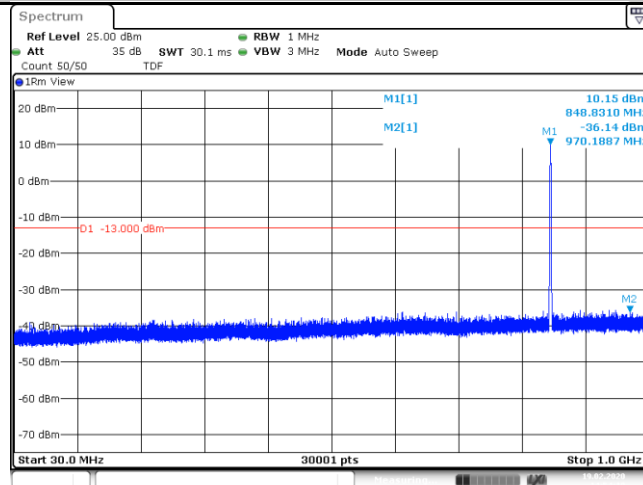


Band26_Stand-Alone_NaN_BPSK_27039_1@0_15kHz_12000_26500_12000~26500MHz@-41.31dBm_-13_PA
SS



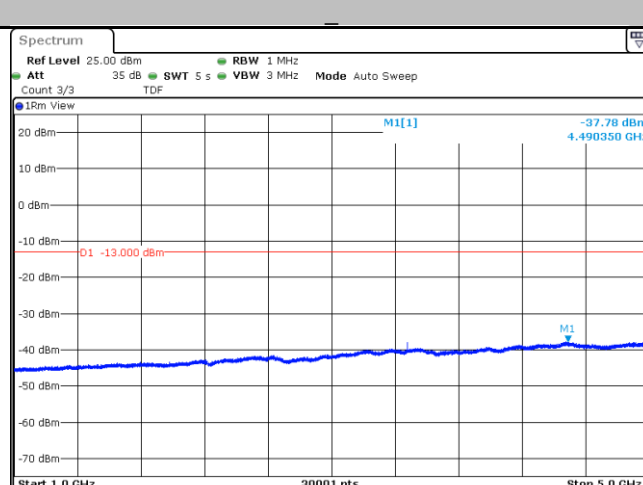
Date: 19.FEB.2020 14:52:04

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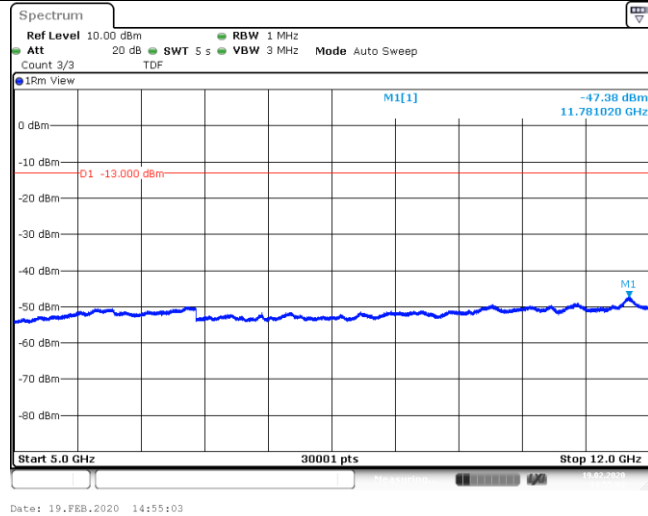
Date: 19.FEB.2020 14:54:19

Band26_Stand-Alone_NaN_BPSK_27039_1@11_15kHz_1000_5000_1000~5000MHz@-37.78dBm_-13_PASS

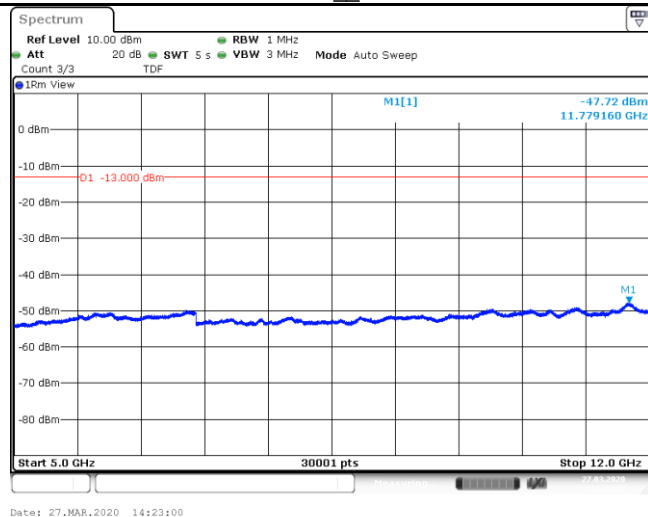


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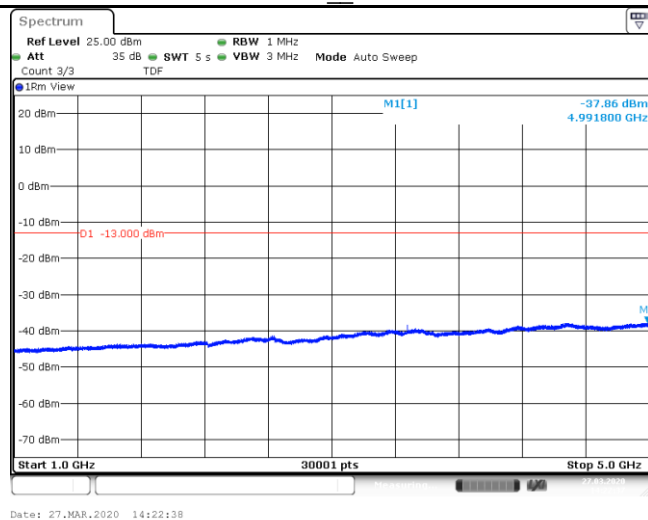
Band26_Stand-Alone_NaN_BPSK_27039_1@11_15kHz_5000_12000_5000~12000MHz@-47.38dBm_-13_PAS
S



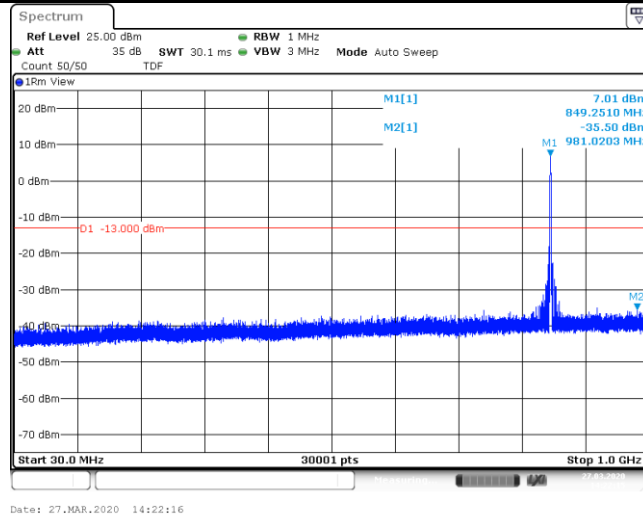
Band26_Stand-Alone_NaN_QPSK_27039_1@47_3.75kHz_5000_12000_5000~12000MHz@-47.72dBm_-13_PA
SS



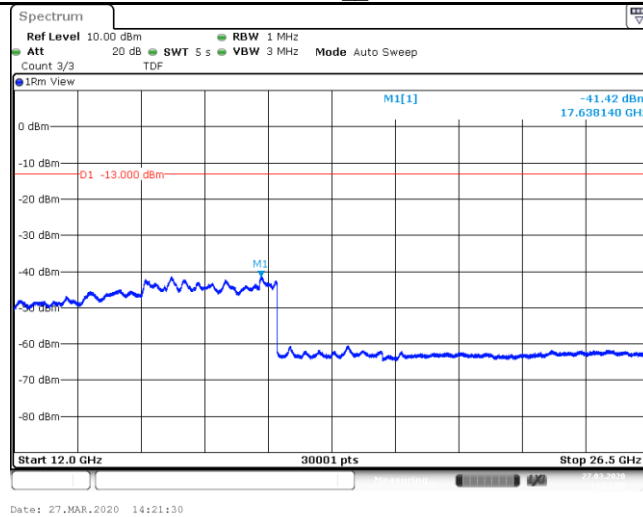
Band26_Stand-Alone_NaN_QPSK_27039_1@47_3.75kHz_1000_5000_1000~5000MHz@-37.86dBm_-13_PAS
S



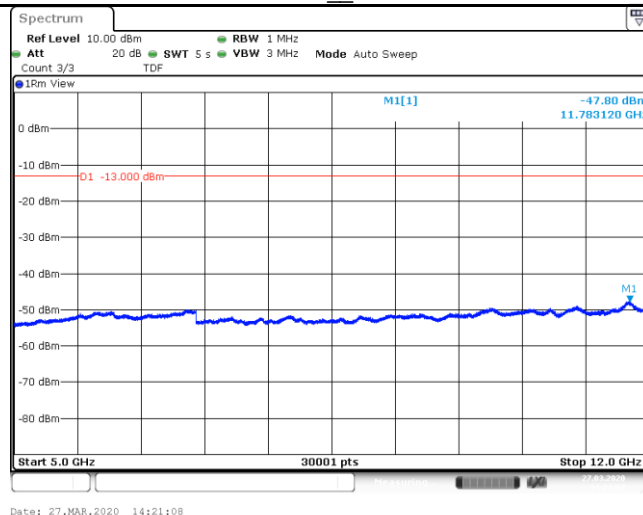
Band26_Stand-Alone_NaN_QPSK_27039_1@47_3.75kHz_30_1000_30~1000MHz@-35.5dBm_-13_PASS__



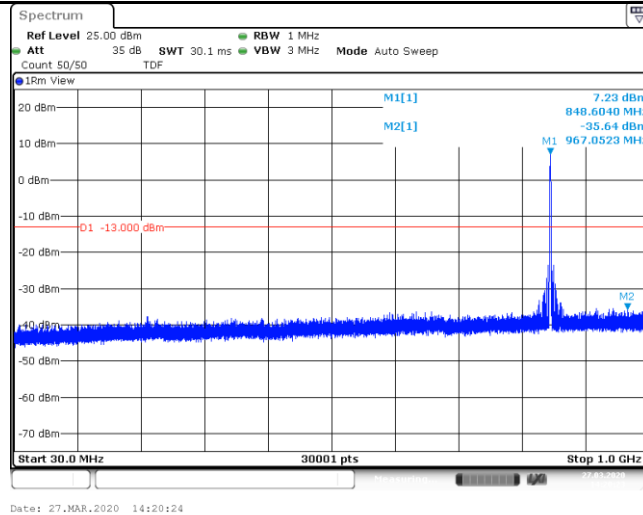
Band26_Stand-Alone_NaN_QPSK_27039_1@0_3.75kHz_12000_26500_12000~26500MHz@-41.42dBm_-13_P ASS__



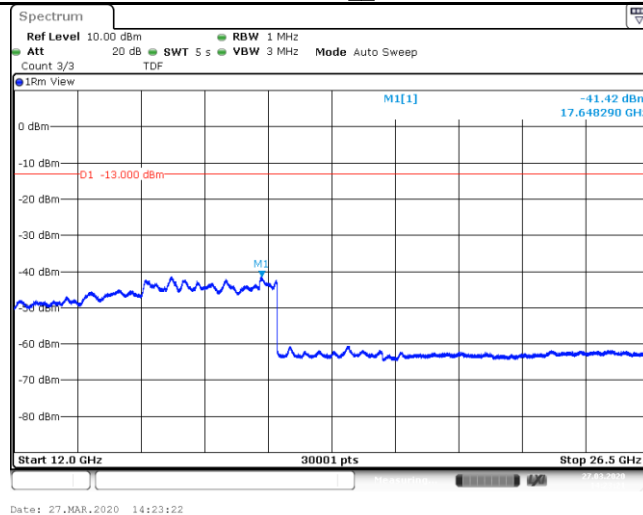
Band26_Stand-Alone_NaN_QPSK_27039_1@0_3.75kHz_5000_12000_5000~12000MHz@-47.8dBm_-13_PAS S__



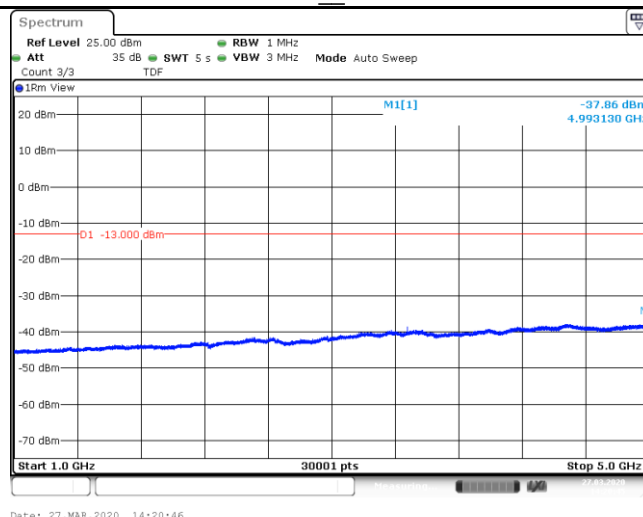
Band26_Stand-Alone_NaN_QPSK_27039_1@0_3.75kHz_30_1000_30~1000MHz@-35.64dBm_-13_PASS__



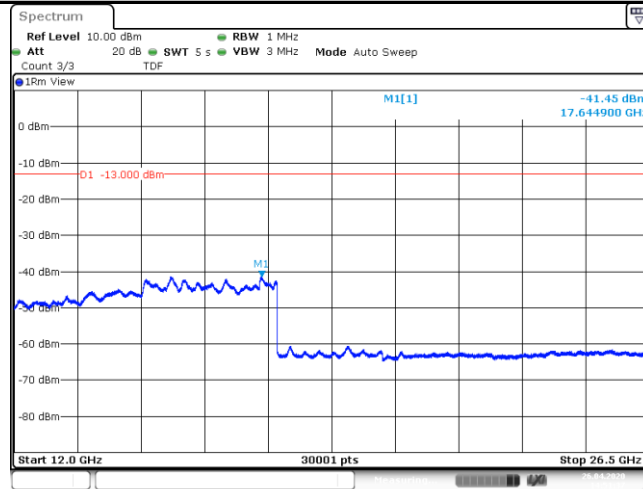
Band26_Stand-Alone_NaN_QPSK_27039_1@47_3.75kHz_12000_26500_12000~26500MHz@-41.42dBm_-13_PASS__



Band26_Stand-Alone_NaN_QPSK_27039_1@0_3.75kHz_1000_5000_1000~5000MHz@-37.86dBm_-13_PASS__

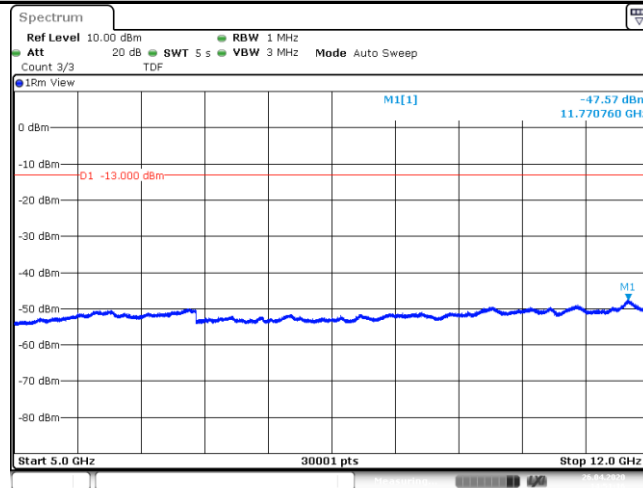


Band26_Stand-Alone_NaN_QPSK_26915_1@47_3.75kHz_12000_26500_12000~26500MHz@-41.45dBm_-13_PASS



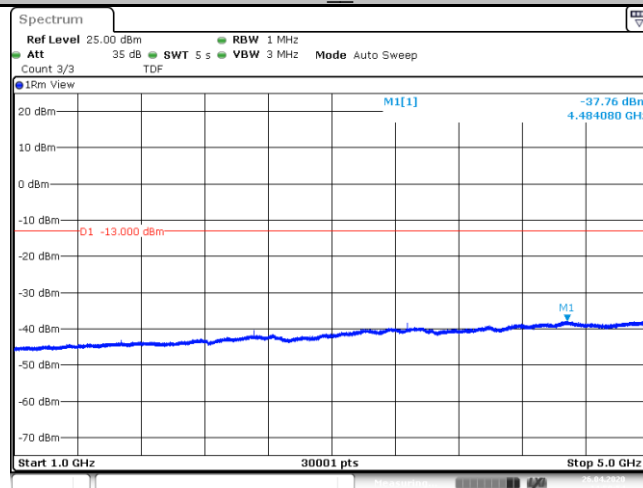
Date: 26.APR.2020 14:51:38

Band26_Stand-Alone_NaN_QPSK_26915_1@47_3.75kHz_5000_12000_5000~12000MHz@-47.57dBm_-13_PASS



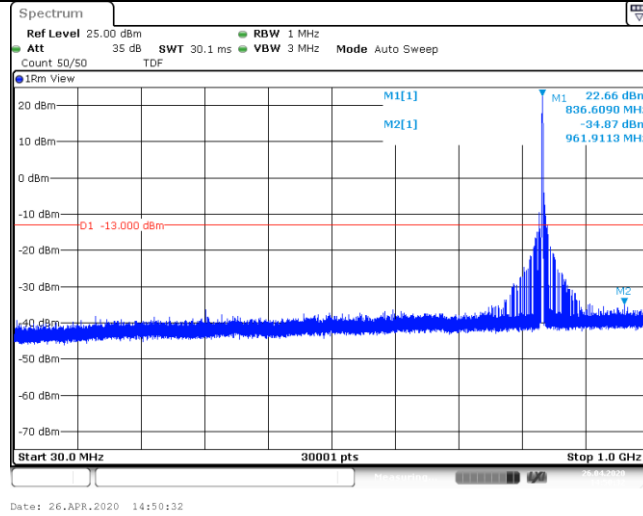
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Band26_Stand-Alone_NaN_QPSK_26915_1@47_3.75kHz_1000_5000_1000~5000MHz@-37.76dBm_-13_PASS

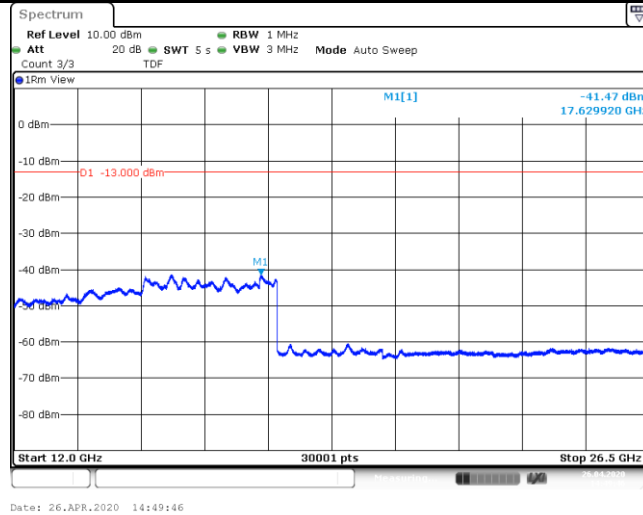


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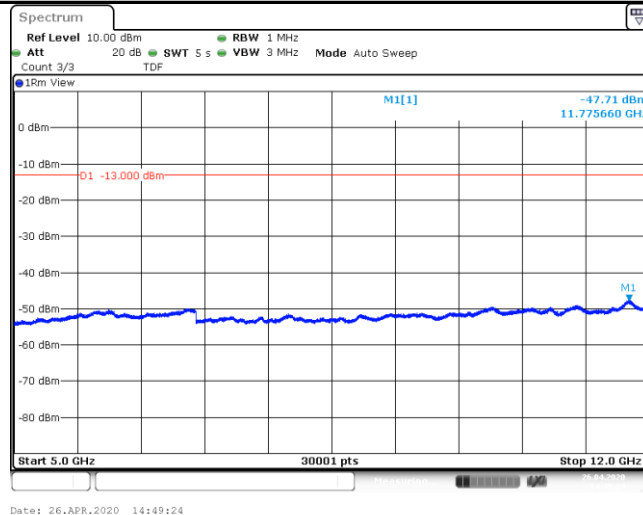
Band26_Stand-Alone_NaN_QPSK_26915_1@47_3.75kHz_30_1000_30~1000MHz@-34.87dBm_-13_PASS__



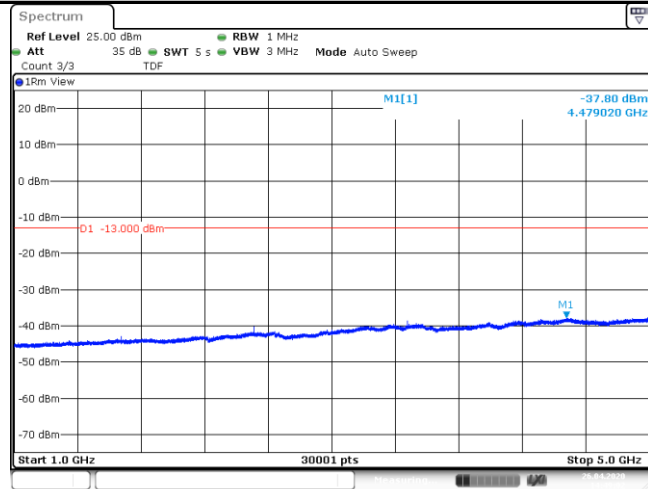
Band26_Stand-Alone_NaN_QPSK_26915_1@0_3.75kHz_12000_26500_12000~26500MHz@-41.47dBm_-13_PASS__



Band26_Stand-Alone_NaN_QPSK_26915_1@0_3.75kHz_5000_12000_5000~12000MHz@-47.71dBm_-13_PASS__

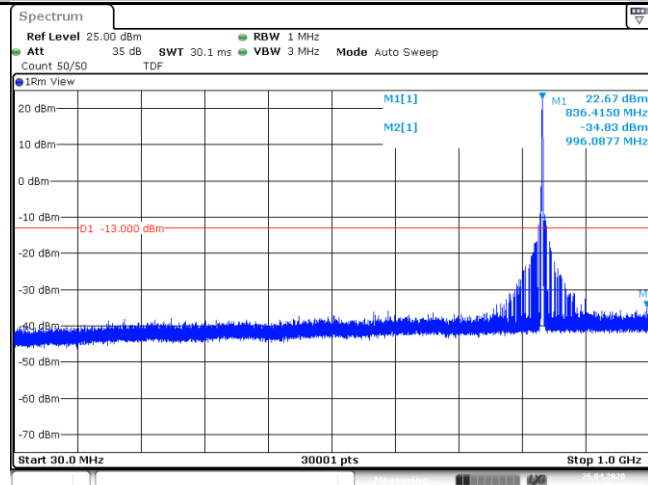


Band26_Stand-Alone_NaN_QPSK_26915_1@0_3.75kHz_1000_5000_1000-5000MHz@-37.8dBm_-13_PASS_



Date: 26.APR.2020 14:49:02

Band26_Stand-Alone_NaN_QPSK_26915_1@0_3.75kHz_30_1000_30-1000MHz@-34.83dBm_-13_PASS_



Date: 26.APR.2020 14:48:40

Appendix H.6: Frequency Stability for NB

Test Result

Voltage												
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	HV	NT	-17.17	-0.020526	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	LV	NT	-19.41	-0.023204	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	NV	NT	-25.69	-0.030711	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	HV	NT	-17.95	-0.021458	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	LV	NT	-16.29	-0.019474	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	NV	NT	-16.54	-0.019773	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	HV	NT	-6.55	-0.007830	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	LV	NT	-9.40	-0.011237	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	NV	NT	-10.20	-0.012194	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	HV	NT	-6.62	-0.007914	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	LV	NT	-9.48	-0.011333	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	NV	NT	-7.88	-0.009420	±2.5	PASS

Temperature												
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	NV	85	-16.01	-0.019139	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	NV	80	-16.01	-0.019139	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	NV	70	-14.00	-0.016736	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	NV	60	-15.28	-0.018267	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	NV	50	-19.05	-0.022773	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	NV	40	-15.65	-0.018709	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	NV	30	-12.87	-0.015386	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	NV	20	-14.96	-0.017884	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	NV	10	-14.13	-0.016892	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	NV	0	-14.65	-0.017513	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	NV	-10	-17.52	-0.020944	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	NV	-20	-15.28	-0.018267	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	NV	-40	-15.41	-0.018422	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	NV	-40	-17.02	-0.020347	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	NV	85	-14.16	-0.016928	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	NV	80	-16.06	-0.019199	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	NV	70	-15.42	-0.018434	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	NV	60	-13.45	-0.016079	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	NV	50	-17.94	-0.021447	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	NV	40	-18.41	-0.022008	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	NV	30	-17.47	-0.020885	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	NV	20	-13.66	-0.016330	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	NV	10	-15.85	-0.018948	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	NV	0	-15.85	-0.018948	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	NV	-10	-14.43	-0.017250	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	NV	-20	-16.42	-0.019629	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	15kHz	NV	-30	-19.83	-0.023706	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@11	15kHz	NV	-30	-15.19	-0.018159	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	NV	85	-4.79	-0.005726	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	NV	80	-6.67	-0.007974	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	NV	70	-4.63	-0.005535	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	NV	60	-5.62	-0.006718	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	NV	50	-5.59	-0.006683	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	NV	40	-7.18	-0.008583	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	NV	30	-6.11	-0.007304	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	NV	20	-6.17	-0.007376	±2.5	PASS

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Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	NV	10	-7.25	-0.008667	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	NV	0	-8.30	-0.009922	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	NV	-10	-8.65	-0.010341	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	NV	-20	-6.90	-0.008249	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	NV	-40	-7.91	-0.009456	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	NV	-40	-9.04	-0.010807	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	NV	85	-5.38	-0.006432	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	NV	80	-8.15	-0.009743	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	NV	70	-6.17	-0.007376	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	NV	60	-5.59	-0.006683	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	NV	50	-7.10	-0.008488	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	NV	40	-4.11	-0.004913	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	NV	30	-6.12	-0.007316	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	NV	20	-6.51	-0.007782	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	NV	10	-6.38	-0.007627	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	NV	0	-7.30	-0.008727	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	NV	-10	-5.59	-0.006683	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	NV	-20	-6.34	-0.007579	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@0	3.75kHz	NV	-30	-7.80	-0.009325	±2.5	PASS
Band26	Stand-Alone	NaN	QPSK	26915	1@47	3.75kHz	NV	-30	-9.34	-0.011166	±2.5	PASS