

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B26a_1.4MHz_ERP

Band: 26a / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict
		Size	Offset	Result	Limit	
QPSK	814.7	1	0	23.88	<=50	Pass
			2	23.90	<=50	Pass
			5	23.84	<=50	Pass
		3	0	23.96	<=50	Pass
			2	23.99	<=50	Pass
			3	23.89	<=50	Pass
		6	0	23.02	<=50	Pass
	819	1	0	24.34	<=50	Pass
			2	23.88	<=50	Pass
			5	24.03	<=50	Pass
		3	0	24.06	<=50	Pass
			2	24.07	<=50	Pass
			3	24.05	<=50	Pass
		6	0	23.09	<=50	Pass
	823.3	1	0	24.09	<=50	Pass
			2	24.08	<=50	Pass
			5	24.12	<=50	Pass
		3	0	24.15	<=50	Pass
			2	24.14	<=50	Pass
			3	24.05	<=50	Pass
		6	0	23.05	<=50	Pass
16QAM	814.7	1	0	23.06	<=50	Pass
			2	23.17	<=50	Pass
			5	22.97	<=50	Pass
		3	0	22.98	<=50	Pass
			2	23.10	<=50	Pass
			3	23.04	<=50	Pass
		6	0	22.03	<=50	Pass
	819	1	0	23.80	<=50	Pass
			2	22.75	<=50	Pass
			5	22.69	<=50	Pass
		3	0	22.80	<=50	Pass
			2	22.95	<=50	Pass
			3	22.82	<=50	Pass
		6	0	21.94	<=50	Pass
	823.3	1	0	23.49	<=50	Pass
			2	23.32	<=50	Pass
			5	23.18	<=50	Pass
		3	0	23.15	<=50	Pass
			2	23.19	<=50	Pass
			3	23.22	<=50	Pass
		6	0	21.85	<=50	Pass

1.1.2 B26a_3MHz_ERP

Band: 26a / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict
		Size	Offset	Result	Limit	
QPSK	815.5	1	0	24.24	<=50	Pass
			7	23.99	<=50	Pass
			14	23.93	<=50	Pass
		8	0	23.07	<=50	Pass
			4	23.10	<=50	Pass
			7	23.03	<=50	Pass
		15	0	23.06	<=50	Pass
	819	1	0	24.05	<=50	Pass
			7	24.64	<=50	Pass
			14	24.05	<=50	Pass
		8	0	23.16	<=50	Pass
			4	23.11	<=50	Pass
			7	23.05	<=50	Pass
		15	0	23.09	<=50	Pass
	822.5	1	0	23.97	<=50	Pass
			7	24.07	<=50	Pass
			14	24.14	<=50	Pass
		8	0	23.11	<=50	Pass
			4	23.11	<=50	Pass
			7	23.15	<=50	Pass
		15	0	23.13	<=50	Pass
16QAM	815.5	1	0	23.72	<=50	Pass
			7	23.78	<=50	Pass
			14	23.65	<=50	Pass
		8	0	22.19	<=50	Pass
			4	22.14	<=50	Pass
			7	22.16	<=50	Pass
		15	0	21.90	<=50	Pass
	819	1	0	22.91	<=50	Pass
			7	22.91	<=50	Pass
			14	22.84	<=50	Pass
		8	0	21.88	<=50	Pass
			4	21.85	<=50	Pass
			7	21.87	<=50	Pass
		15	0	22.11	<=50	Pass
	822.5	1	0	23.53	<=50	Pass
			7	23.78	<=50	Pass
			14	23.53	<=50	Pass
		8	0	21.99	<=50	Pass
			4	21.87	<=50	Pass
			7	21.89	<=50	Pass
		15	0	21.79	<=50	Pass

1.1.3 B26a_5MHz_ERP

Band: 26a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	1	0	23.81	<=50	Pass
			13	23.87	<=50	Pass
			24	23.98	<=50	Pass
		12	0	22.99	<=50	Pass
			6	23.03	<=50	Pass
			13	22.96	<=50	Pass
		25	0	23.03	<=50	Pass
	819	1	0	23.83	<=50	Pass
			13	24.12	<=50	Pass
			24	23.82	<=50	Pass
		12	0	22.99	<=50	Pass
			6	23.07	<=50	Pass
			13	23.09	<=50	Pass
		25	0	23.11	<=50	Pass
	821.5	1	0	23.73	<=50	Pass
			13	23.93	<=50	Pass
			24	23.79	<=50	Pass
		12	0	23.11	<=50	Pass
			6	23.19	<=50	Pass
			13	23.15	<=50	Pass
		25	0	23.14	<=50	Pass
16QAM	816.5	1	0	22.32	<=50	Pass
			13	22.17	<=50	Pass
			24	22.38	<=50	Pass
		12	0	21.94	<=50	Pass
			6	22.02	<=50	Pass
			13	22.02	<=50	Pass
		25	0	21.93	<=50	Pass
	819	1	0	22.78	<=50	Pass
			13	22.97	<=50	Pass
			24	22.89	<=50	Pass
		12	0	21.70	<=50	Pass
			6	22.07	<=50	Pass
			13	22.05	<=50	Pass
		25	0	22.04	<=50	Pass
	821.5	1	0	23.48	<=50	Pass
			13	23.79	<=50	Pass
			24	23.53	<=50	Pass
		12	0	21.95	<=50	Pass
			6	22.01	<=50	Pass
			13	21.95	<=50	Pass
		25	0	22.09	<=50	Pass

1.1.4 B26a_10MHz_ERP

Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict
		Size	Offset	Result	Limit	
QPSK	819	1	0	23.94	<=50	Pass
			25	24.26	<=50	Pass
			49	24.08	<=50	Pass
		25	0	23.06	<=50	Pass
			13	23.13	<=50	Pass
			25	23.15	<=50	Pass
		50	0	23.12	<=50	Pass
16QAM	819	1	0	23.44	<=50	Pass
			25	23.51	<=50	Pass
			49	23.45	<=50	Pass
		25	0	22.10	<=50	Pass
			13	21.94	<=50	Pass
			25	21.97	<=50	Pass
		50	0	21.98	<=50	Pass

2. Frequency Stability

2.1 Test Result

2.1.1 B26a_10MHz

Band: 26a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	819	50	0	20	LV	-0.744	-0.0009	-2.5 to 2.5	Pass
					NV	0.029	0.0000	-2.5 to 2.5	Pass
					HV	-0.758	-0.0009	-2.5 to 2.5	Pass
				-30	NV	-0.057	-0.0001	-2.5 to 2.5	Pass
				-20	NV	-0.358	-0.0004	-2.5 to 2.5	Pass
				-10	NV	-0.901	-0.0011	-2.5 to 2.5	Pass
				0	NV	-0.200	-0.0002	-2.5 to 2.5	Pass
				10	NV	-0.358	-0.0004	-2.5 to 2.5	Pass
				30	NV	-0.329	-0.0004	-2.5 to 2.5	Pass
				40	NV	-0.658	-0.0008	-2.5 to 2.5	Pass
				50	NV	-0.501	-0.0006	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band26a_OBW

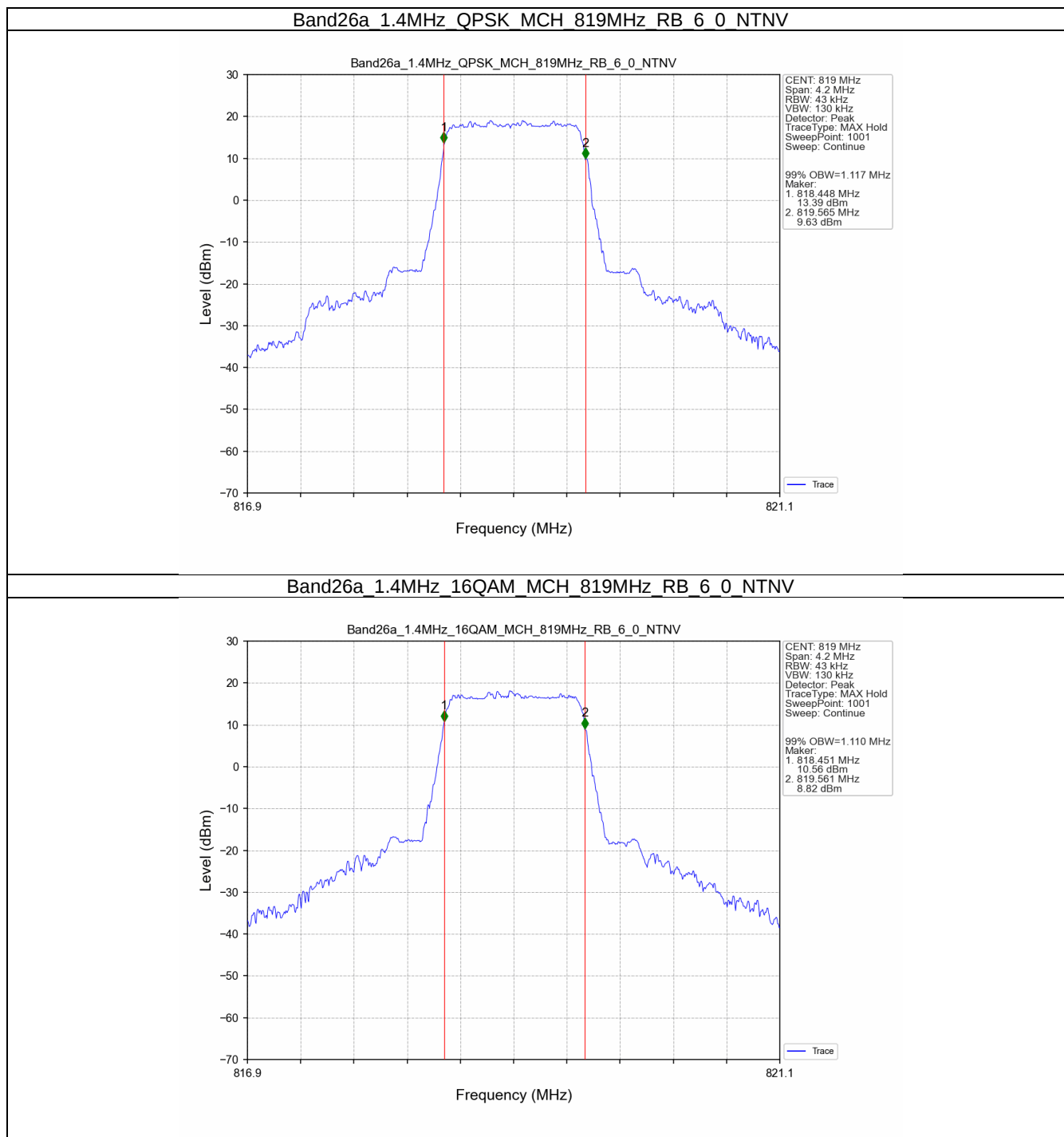
Band: 26a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	819	6	0	1.117	/	Pass
	16QAM	819	6	0	1.110	/	Pass
3	QPSK	819	15	0	2.746	/	Pass
	16QAM	819	15	0	2.743	/	Pass
5	QPSK	819	25	0	4.550	/	Pass
	16QAM	819	25	0	4.534	/	Pass
10	QPSK	819	50	0	9.034	/	Pass
	16QAM	819	50	0	9.049	/	Pass

3.1.2 Band26a_XDB

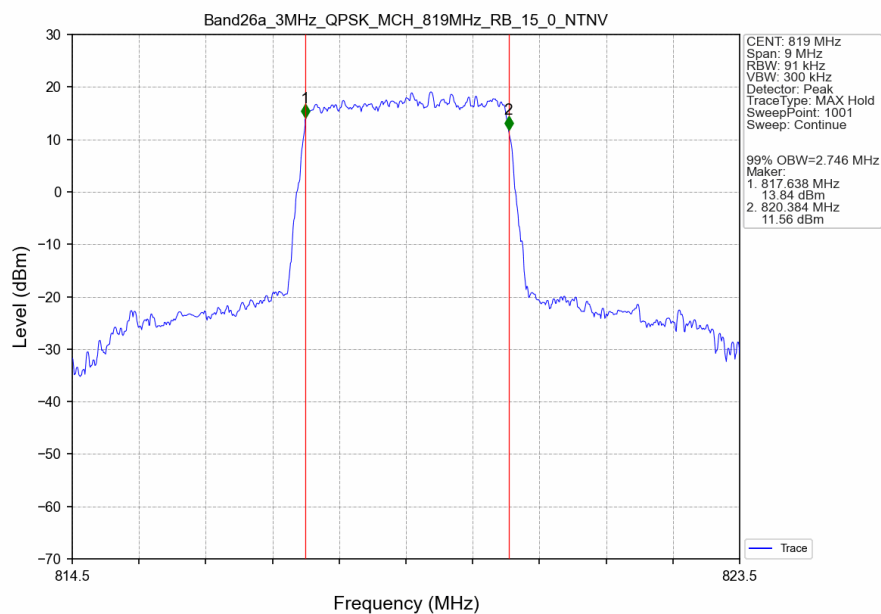
Band: 26a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	819	6	0	1.323	/	Pass
	16QAM	819	6	0	1.312	/	Pass
3	QPSK	819	15	0	3.055	/	Pass
	16QAM	819	15	0	3.022	/	Pass
5	QPSK	819	25	0	5.062	/	Pass
	16QAM	819	25	0	5.090	/	Pass
10	QPSK	819	50	0	10.102	/	Pass
	16QAM	819	50	0	10.041	/	Pass

3.2 Test Graph

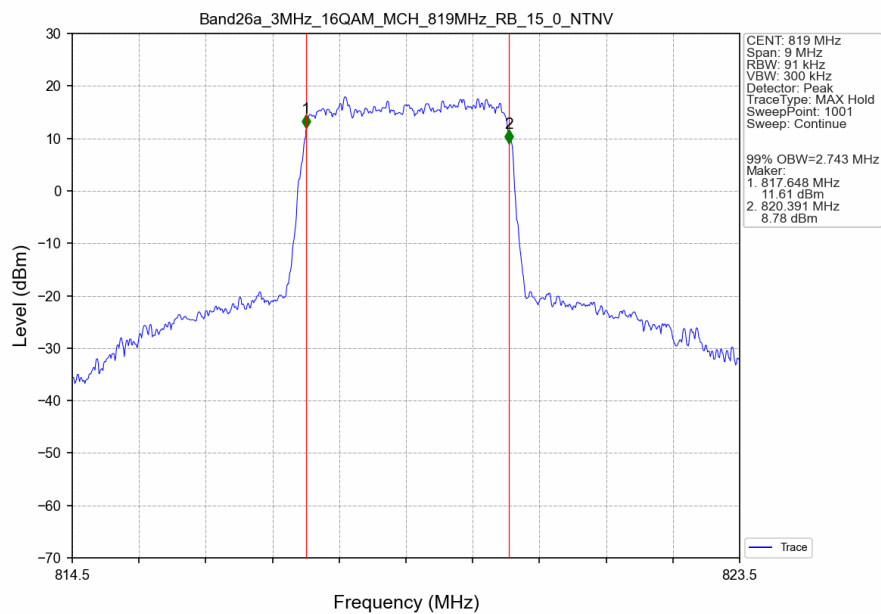
3.2.1 Band26a_OBW



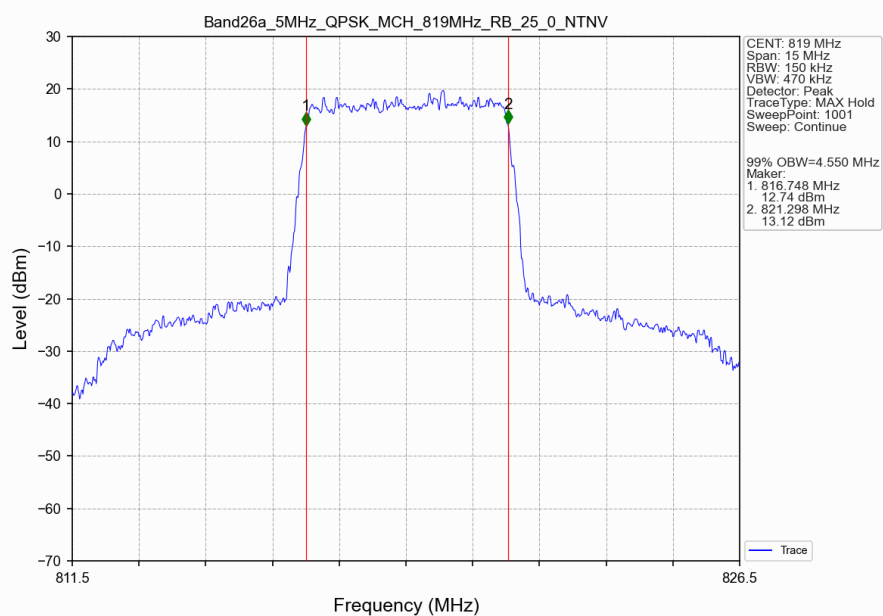
Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



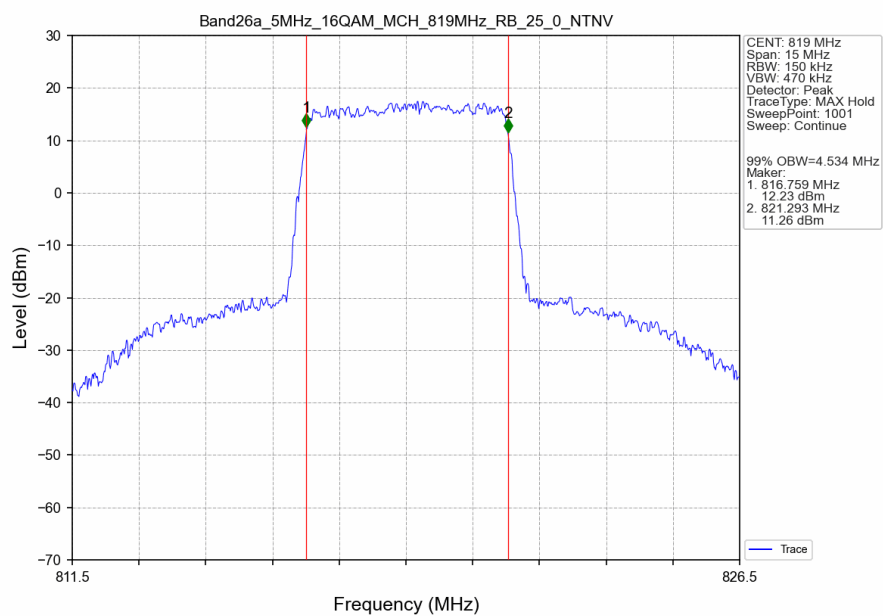
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



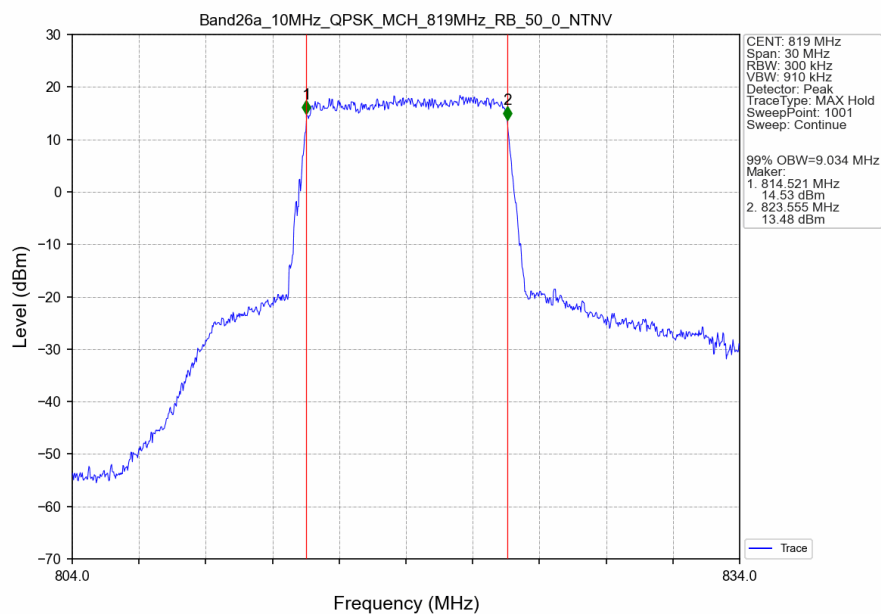
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



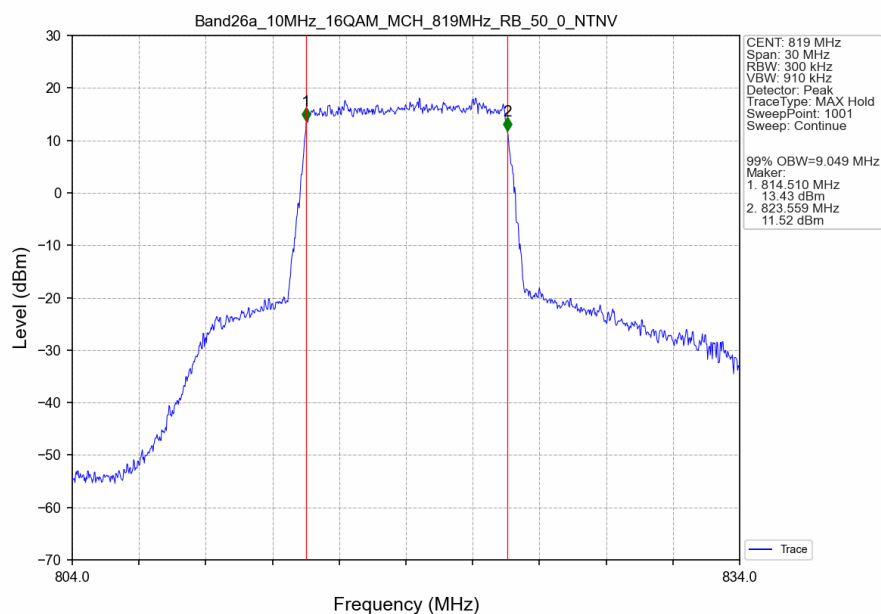
Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV



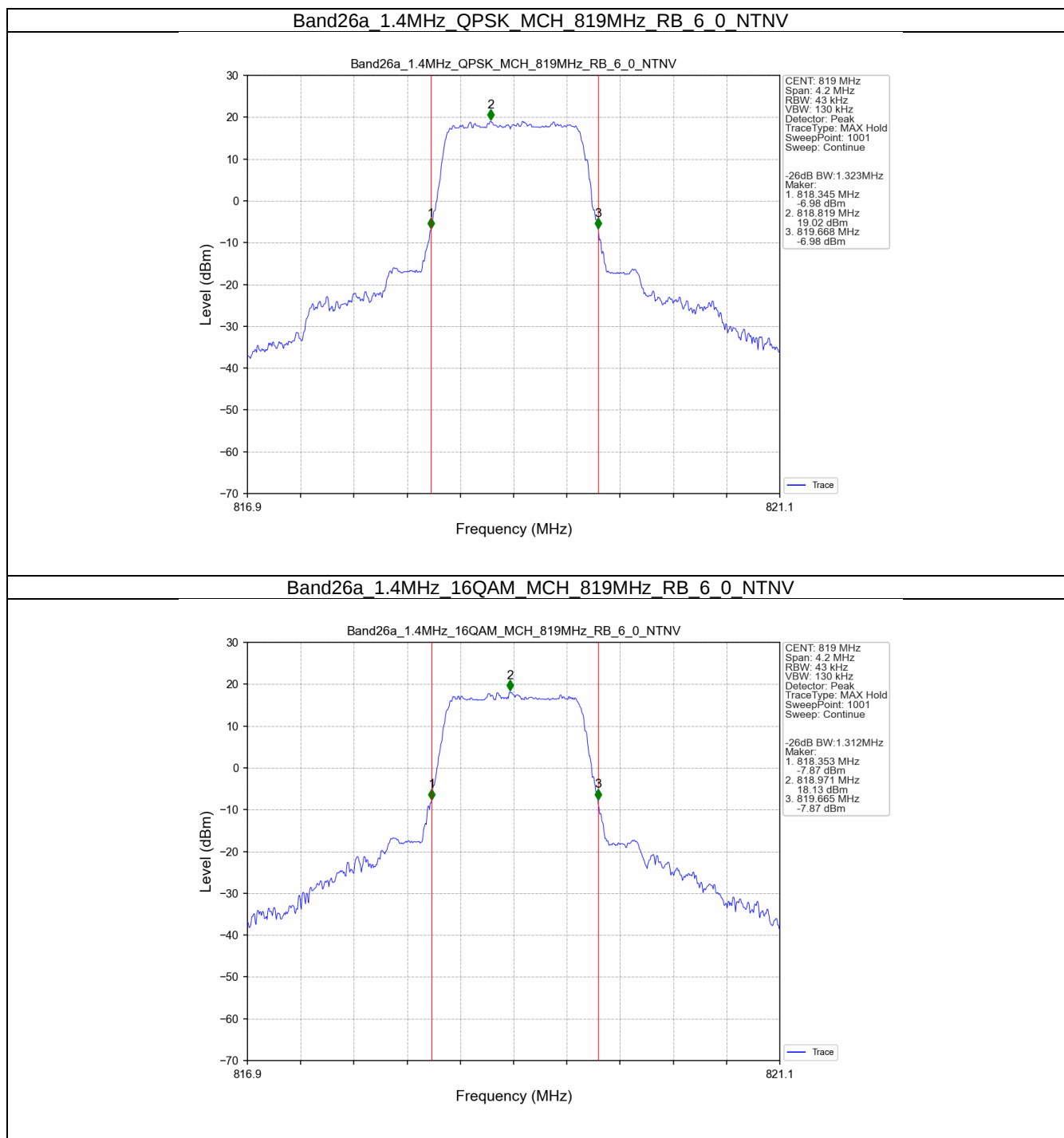
Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



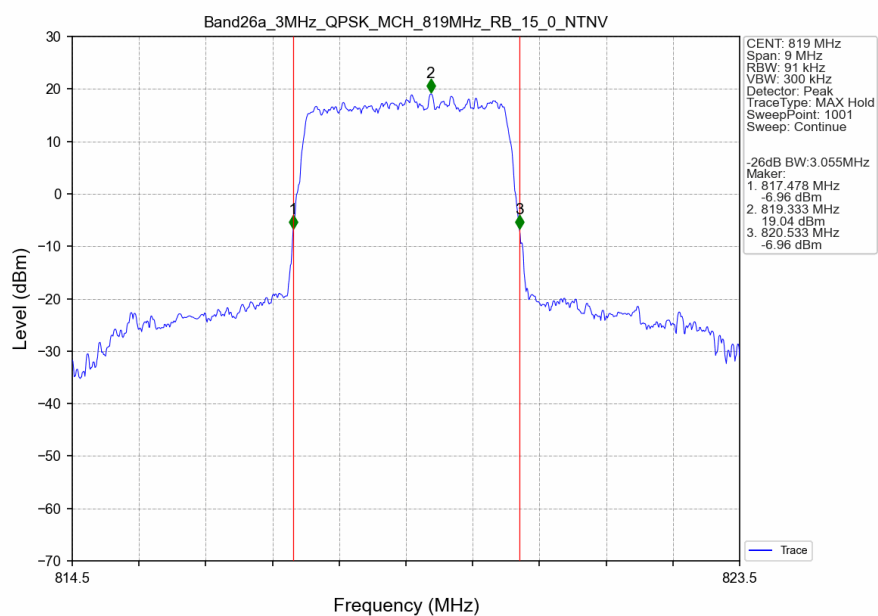
Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



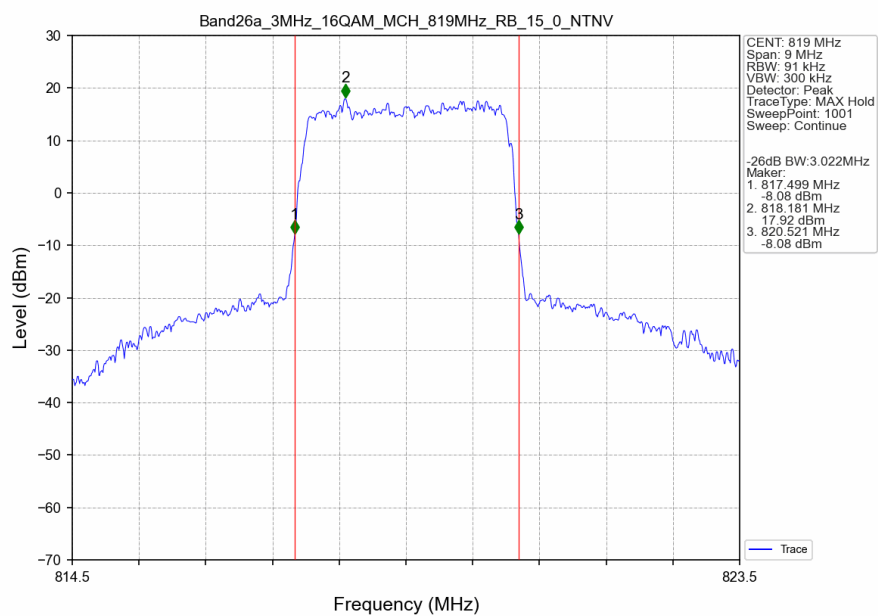
3.2.2 Band26a_XDB



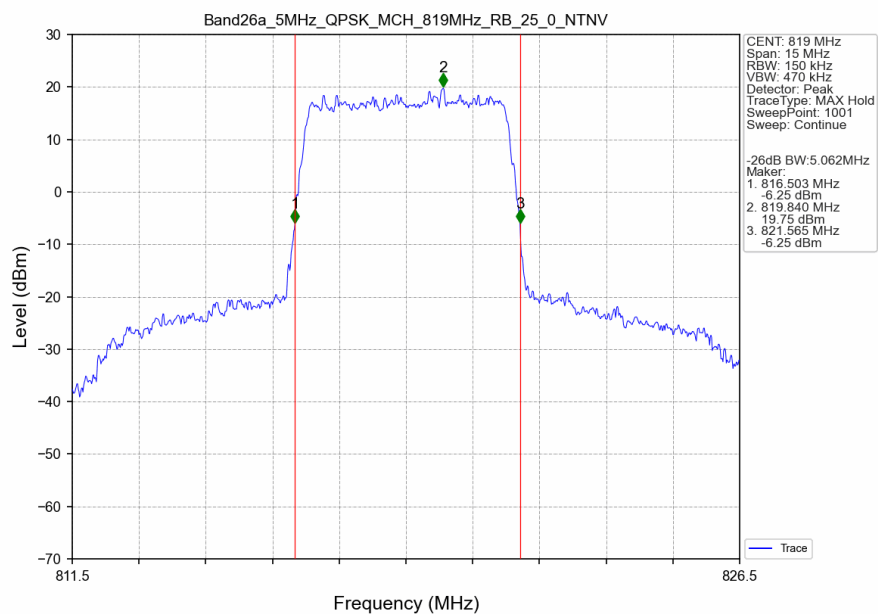
Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



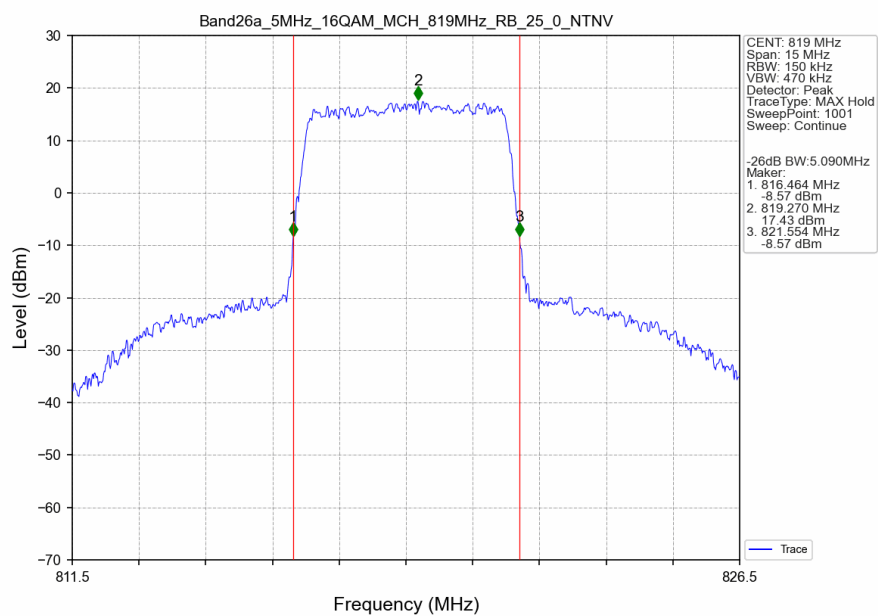
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



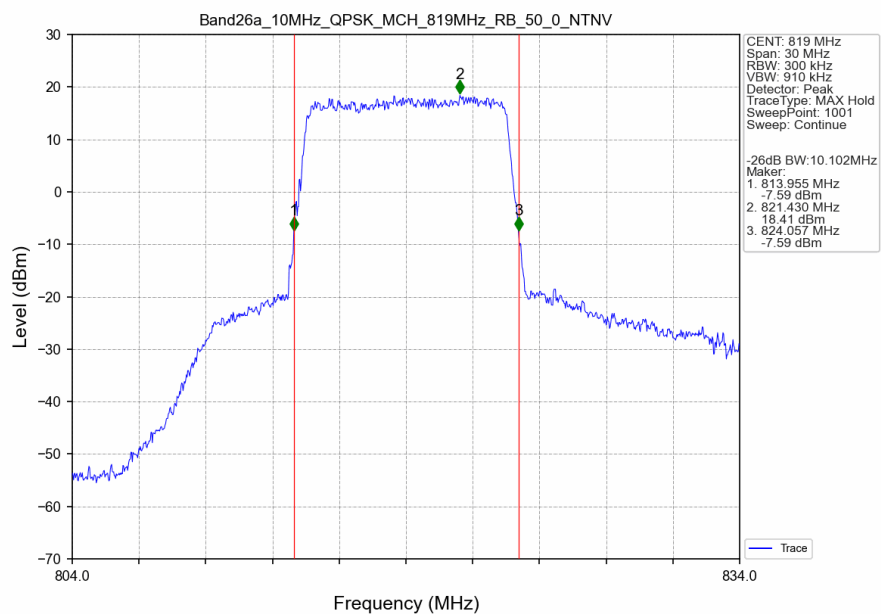
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



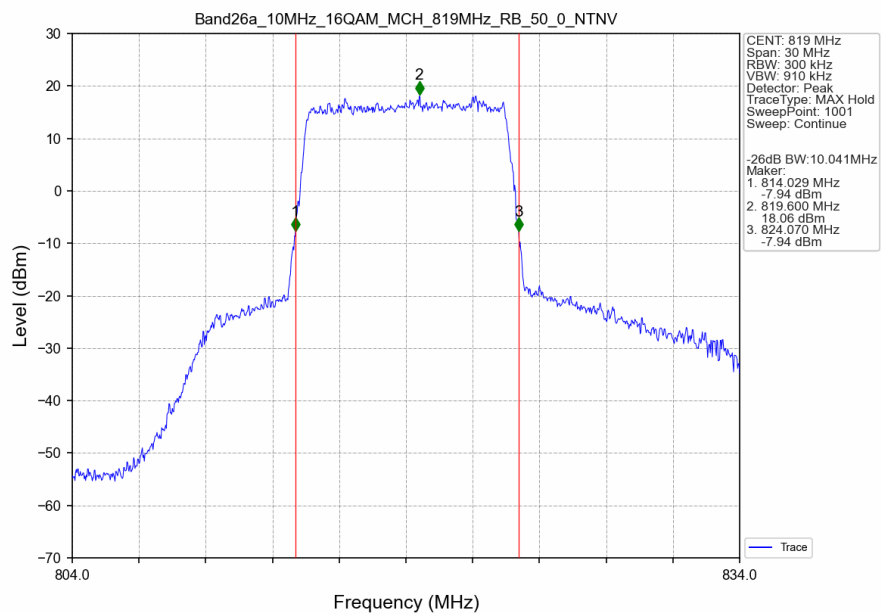
Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV



Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV





4. Peak-Average Ratio

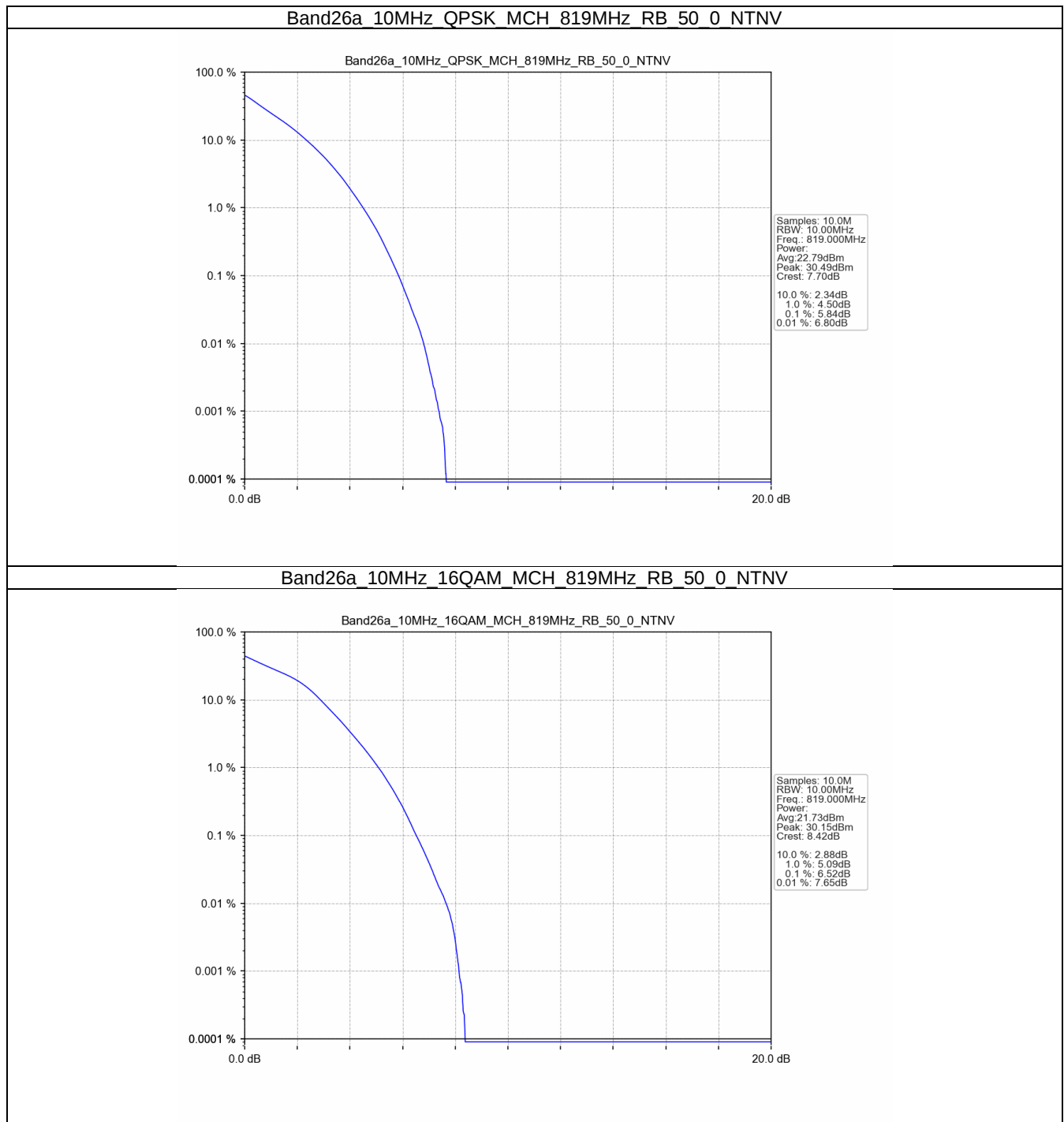
4.1 Test Result

4.1.1 B26a_10MHz

Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	819	50	0	5.84	<=13	Pass
16QAM	819	50	0	6.52	<=13	Pass

4.2 Test Graph

4.2.1 B26a_10MHz



5. Spurious Emission

5.1 Test Result

5.1.1 B26a_1.4MHz

Band: 26a / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	814.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
	823.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B26a_3MHz

Band: 26a / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	815.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
	822.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B26a_5MHz

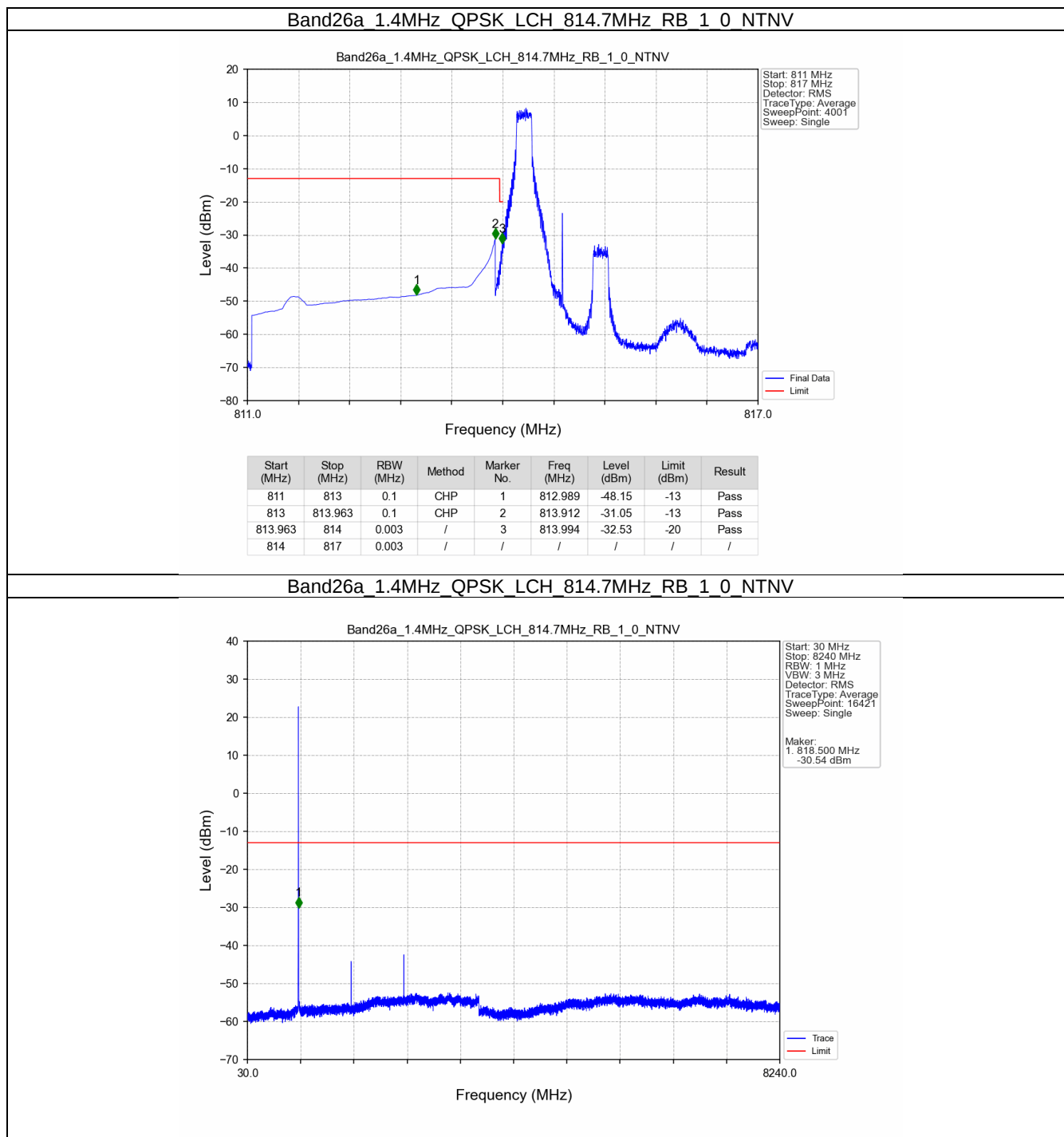
Band: 26a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
	821.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.4 B26a_10MHz

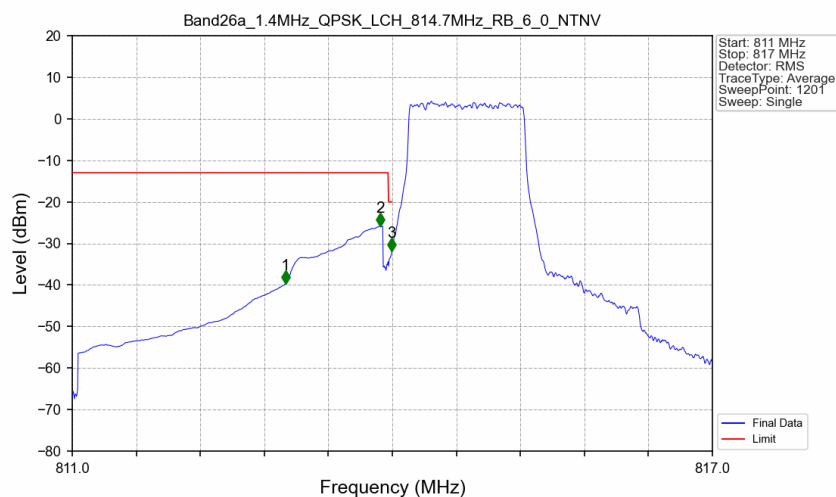
Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	819	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	819	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.2 Test Graph

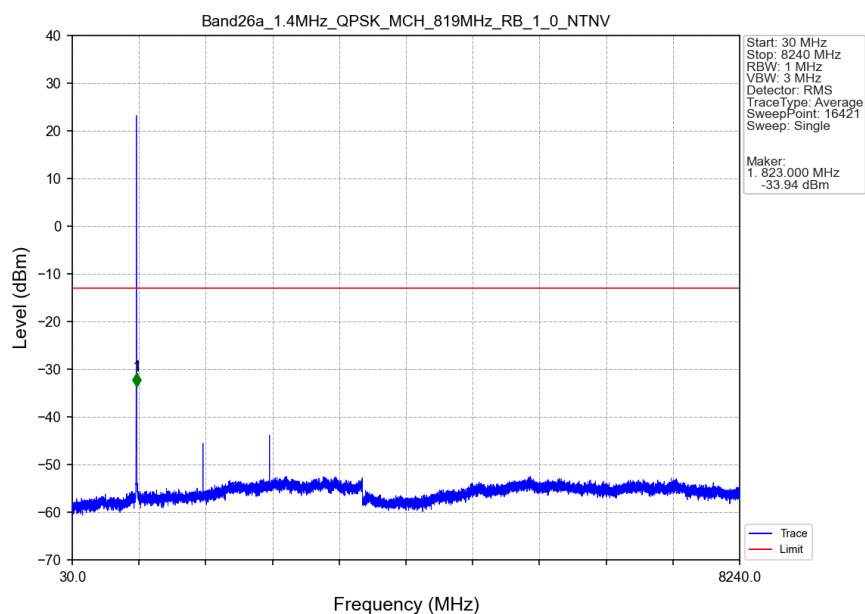
5.2.1 B26a_1.4MHz



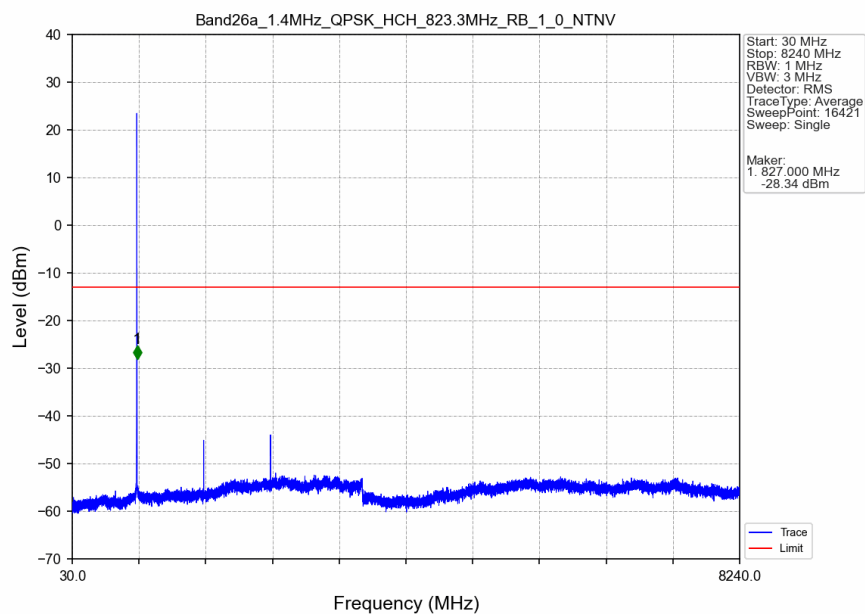
Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_6_0_NTNV



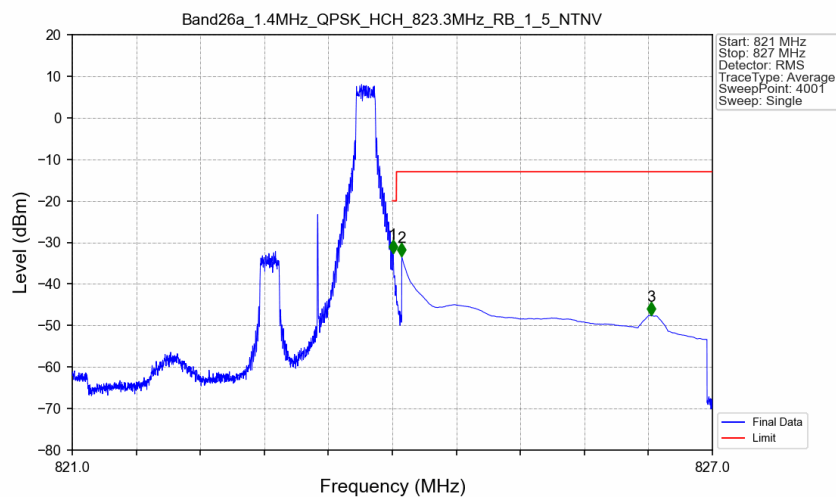
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_0_NTNV

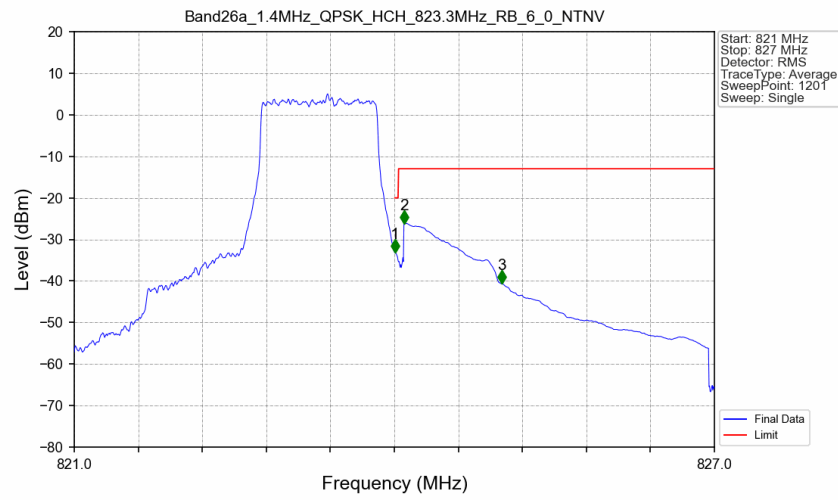


Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_5_NTNV



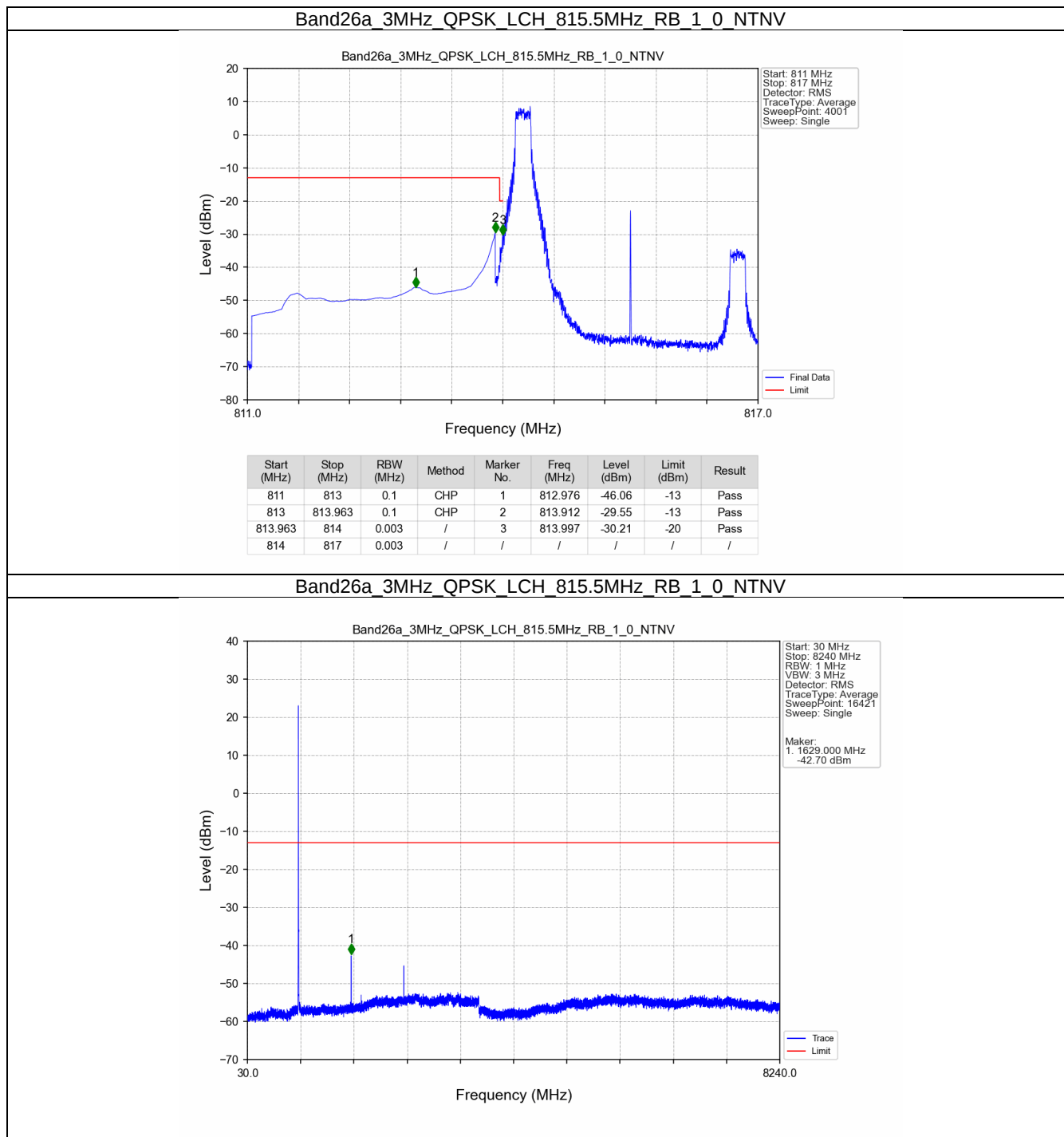
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.006	-32.66	-20	Pass
824.038	825	0.1	CHP	2	824.088	-33.38	-13	Pass
825	827	0.1	CHP	3	826.428	-47.56	-13	Pass

Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV

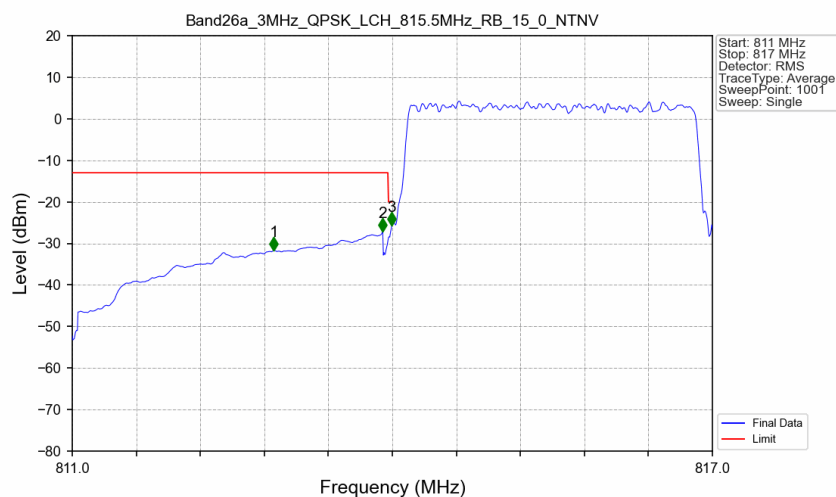


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.013	CHP	/	/	/	/	/
824	824.038	0.013	CHP	1	824.005	-33.15	-20	Pass
824.038	825	0.1	CHP	2	824.090	-26.14	-13	Pass
825	827	0.1	CHP	3	825.005	-40.64	-13	Pass

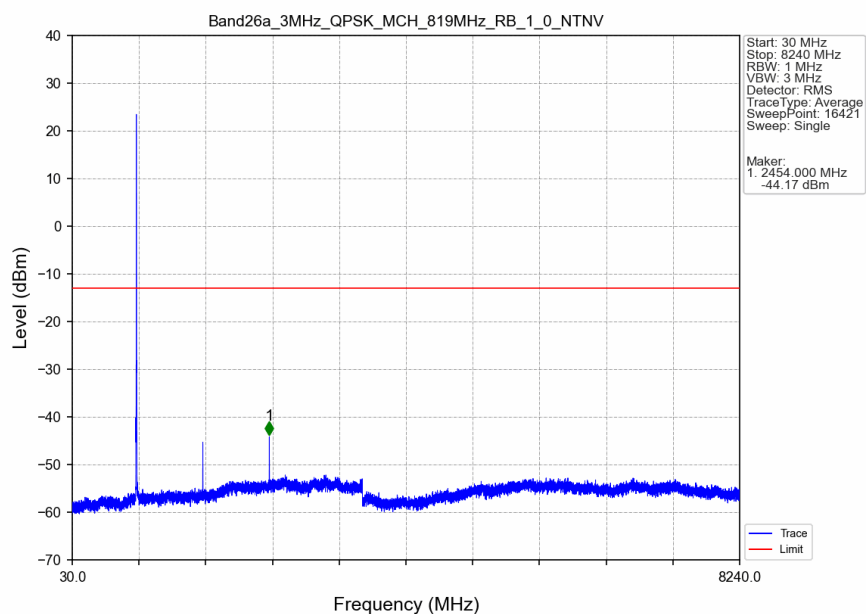
5.2.2 B26a_3MHz



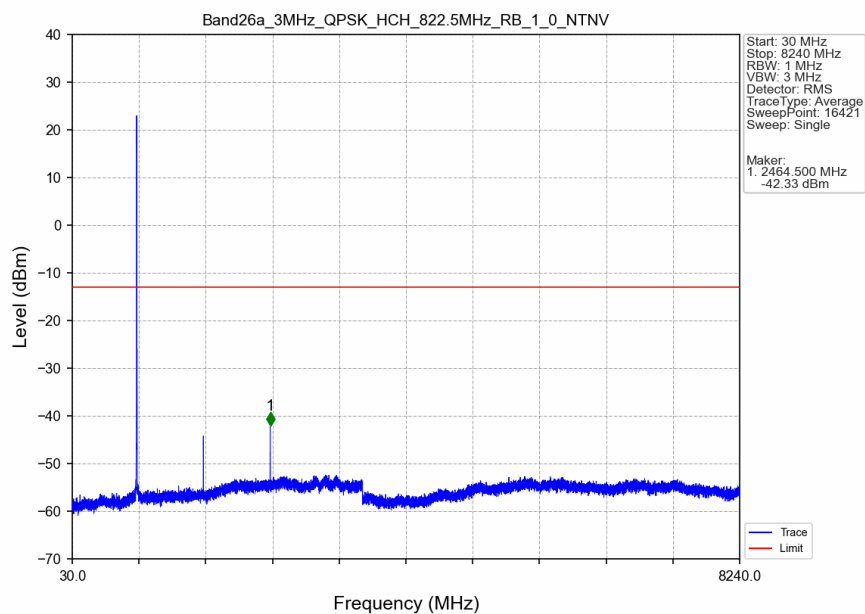
Band26a_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV



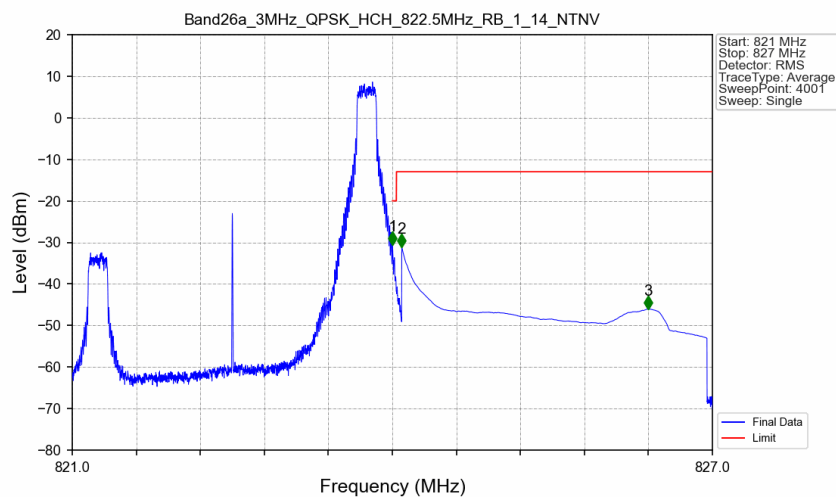
Band26a_3MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



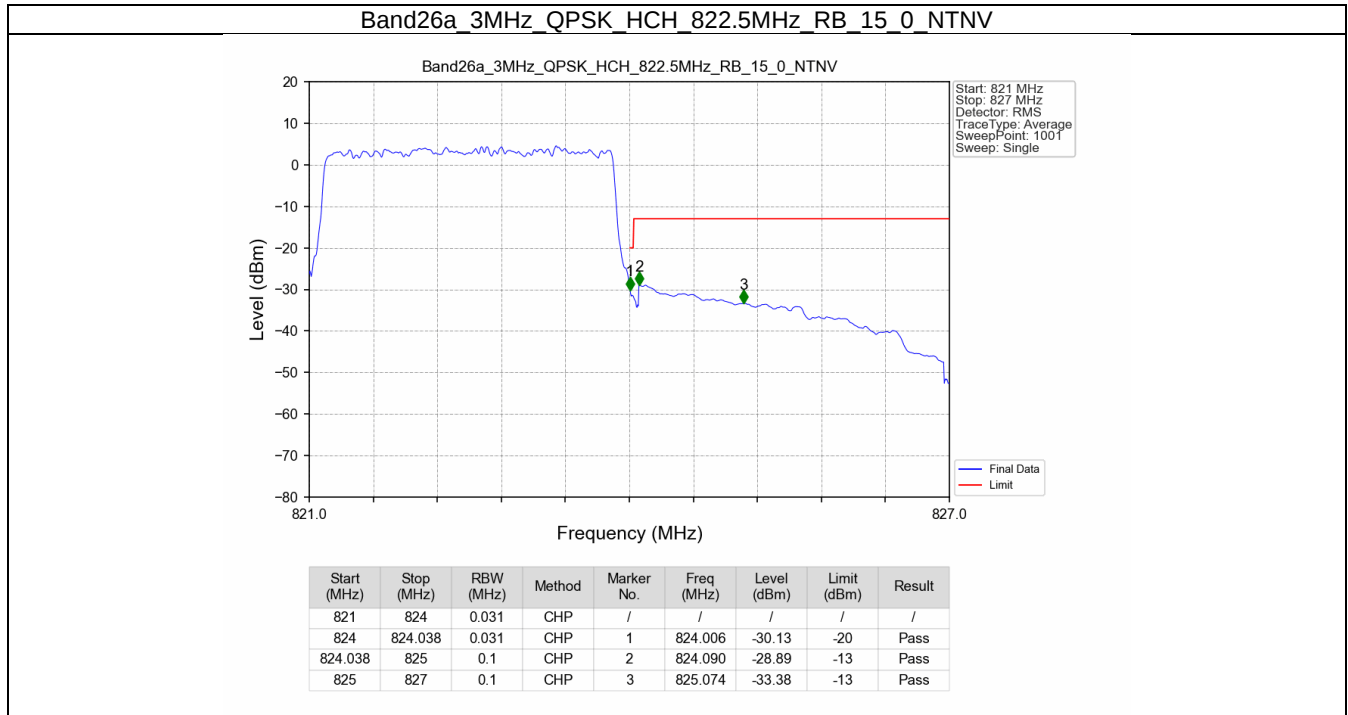
Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_0_NTNV



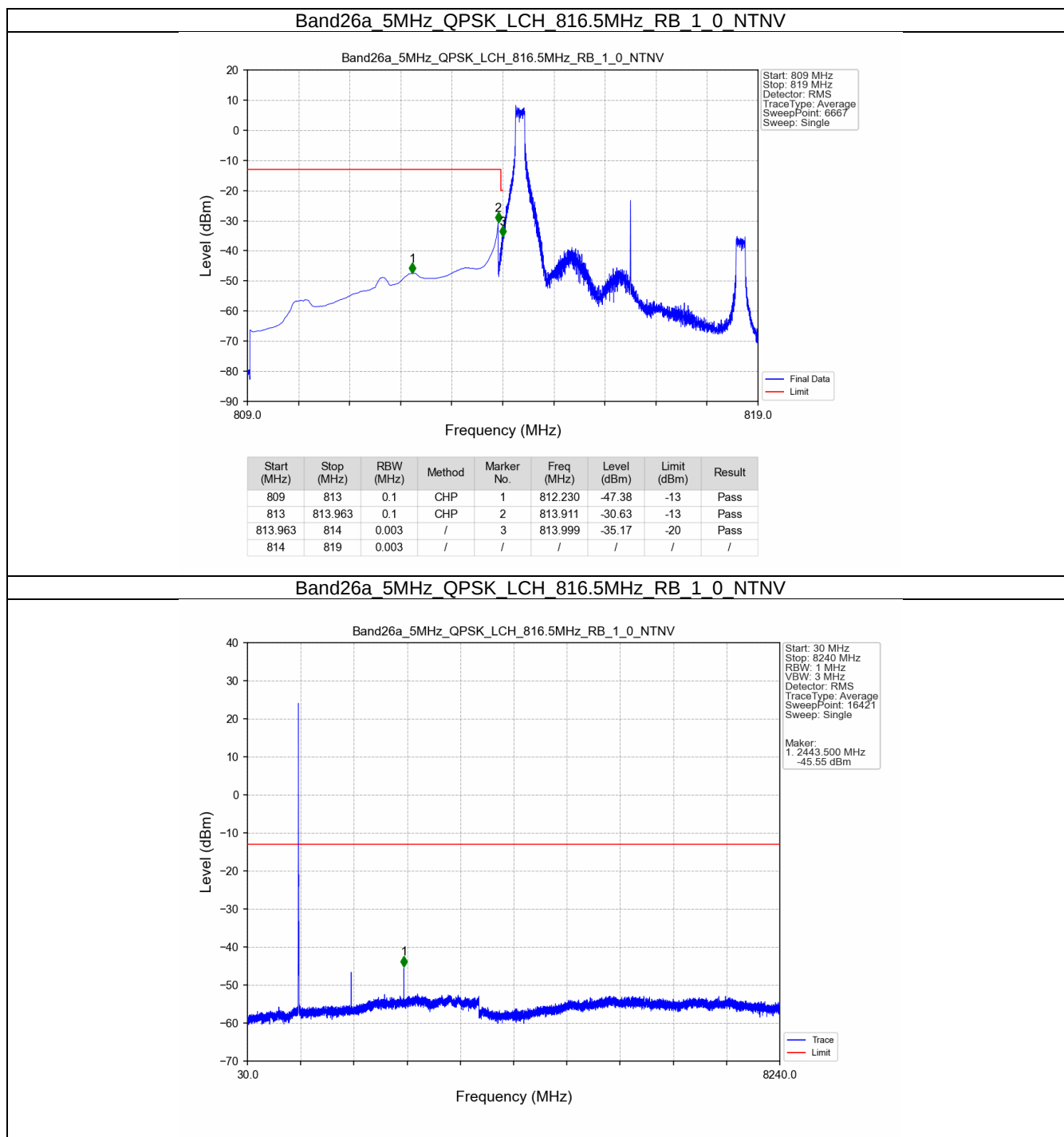
Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_14_NTNV



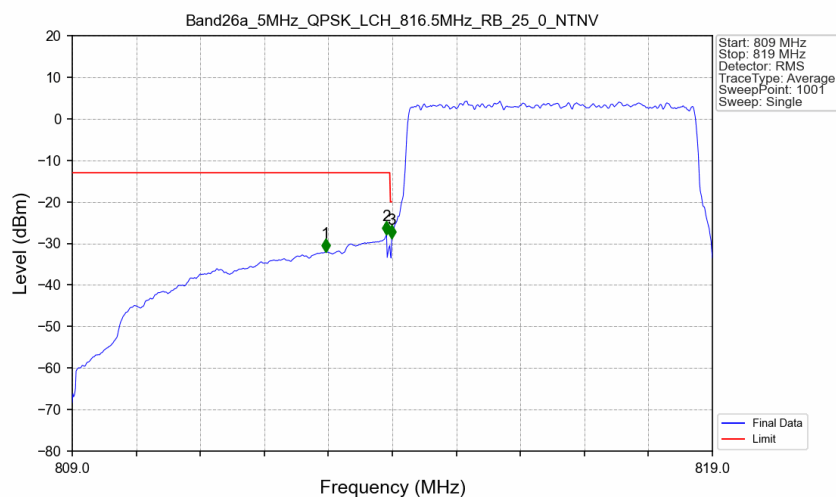
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.001	-30.61	-20	Pass
824.038	825	0.1	CHP	2	824.088	-31.09	-13	Pass
825	827	0.1	CHP	3	826.397	-46.02	-13	Pass



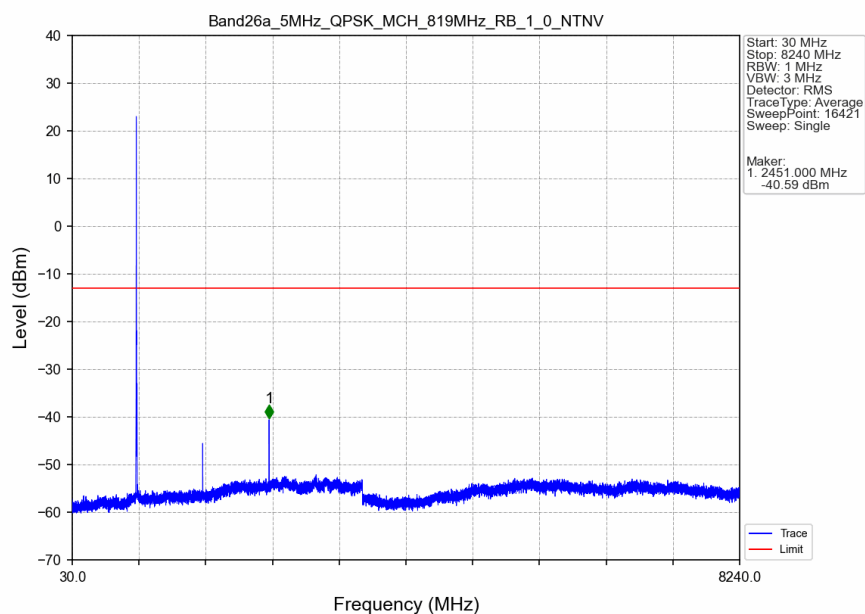
5.2.3 B26a_5MHz



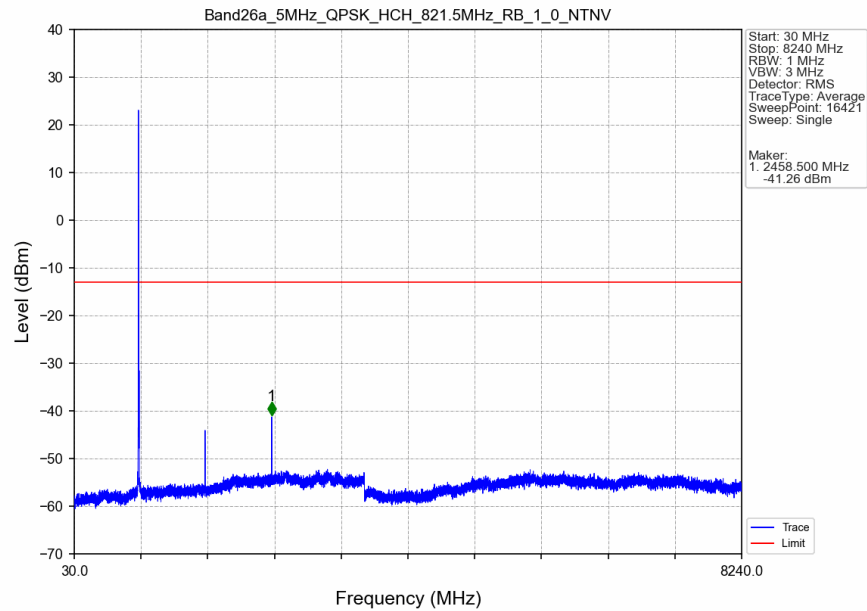
Band26a_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV



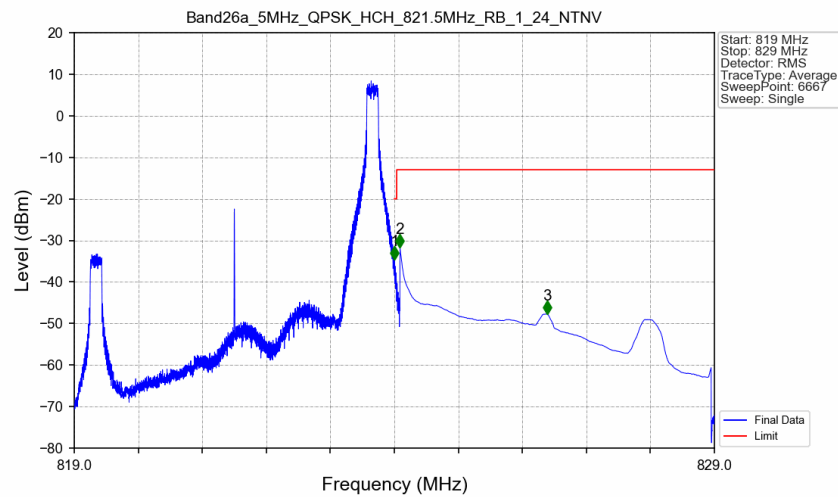
Band26a_5MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_0_NTNV

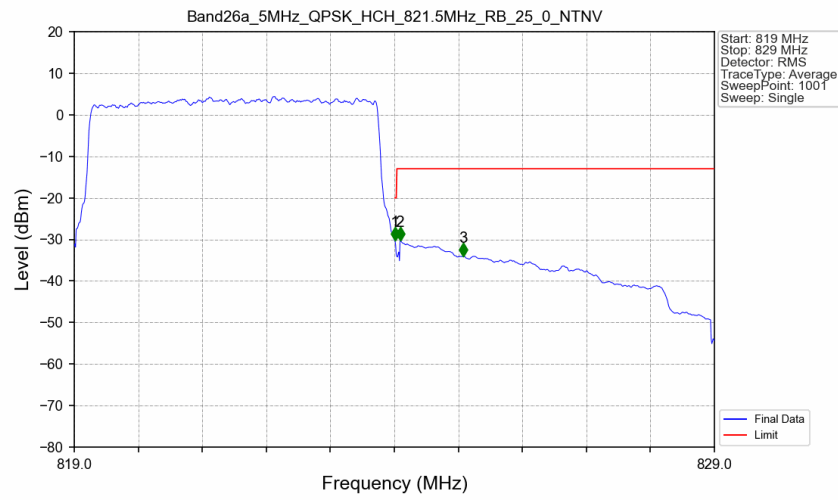


Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.003	-34.53	-20	Pass
824.038	825	0.1	CHP	2	824.089	-31.71	-13	Pass
825	829	0.1	CHP	3	826.388	-47.70	-13	Pass

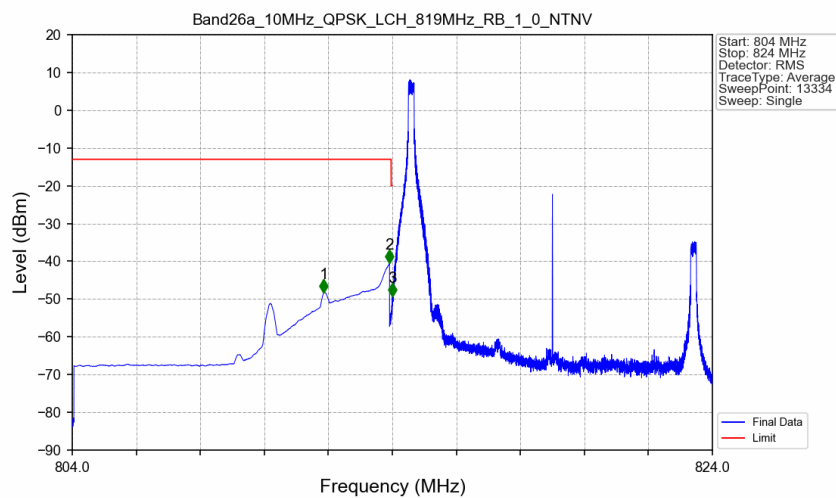
Band26a_5MHz_QPSK_HCH_821.5MHz_RB_25_0_NTNV



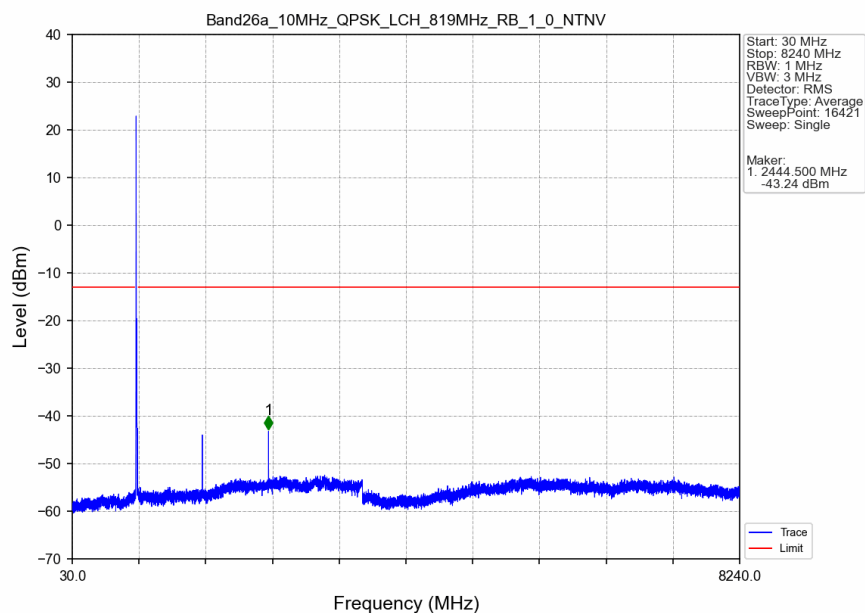
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.051	CHP	/	/	/	/	/
824	824.038	0.051	CHP	1	824.010	-30.24	-20	Pass
824.038	825	0.1	CHP	2	824.090	-30.14	-13	Pass
825	829	0.1	CHP	3	825.080	-34.07	-13	Pass

5.2.4 B26a_10MHz

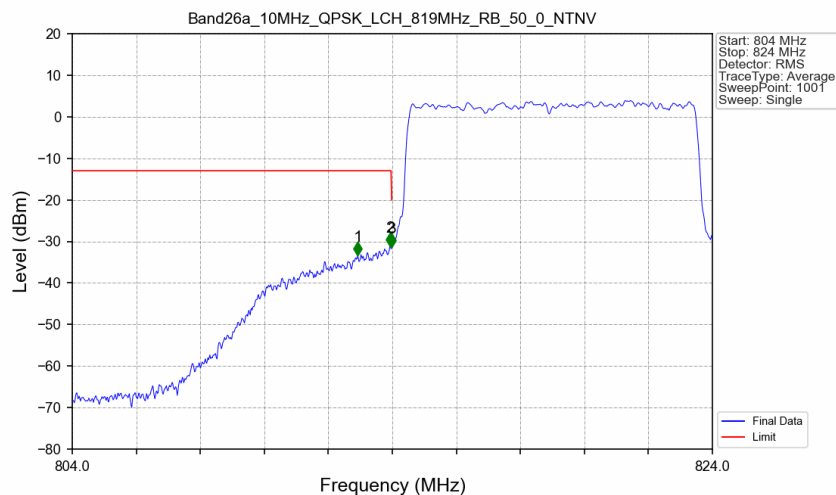
Band26a_10MHz_QPSK_LCH_819MHz_RB_1_0_NTNV



Band26a_10MHz_QPSK_LCH_819MHz_RB_1_0_NTNV

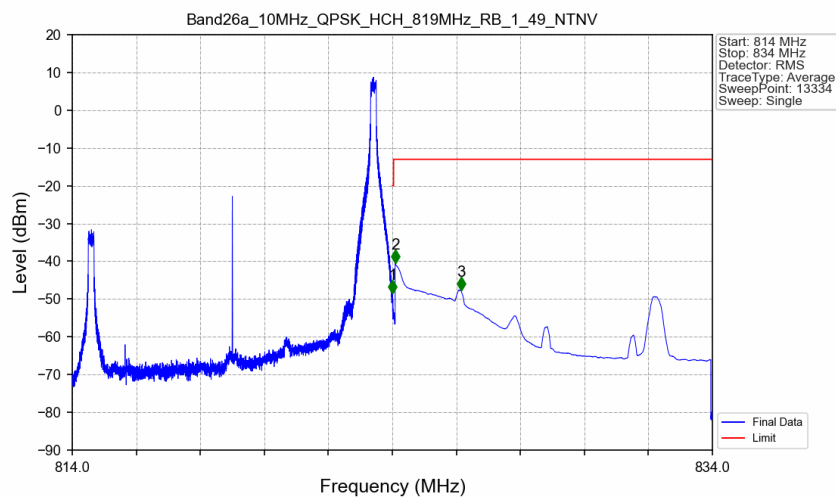


Band26a_10MHz_QPSK_LCH_819MHz_RB_50_0_NTNV



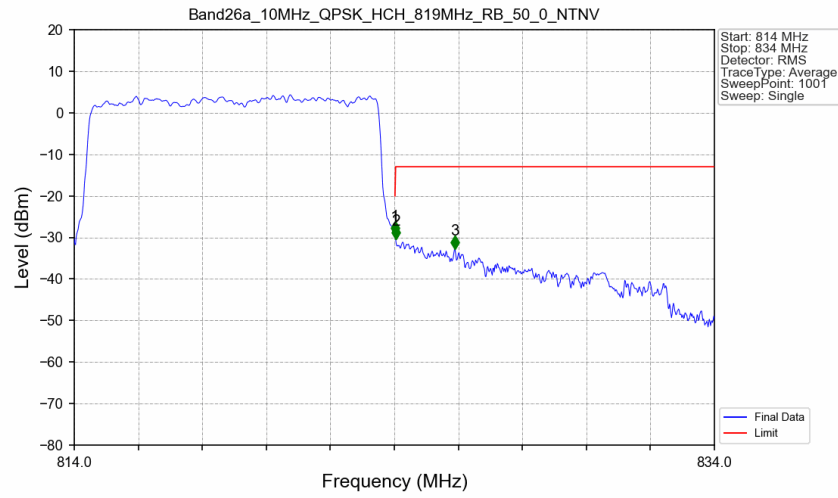
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
804	813	0.1	/	1	812.920	-33.40	-13	Pass
813	813.963	0.1	/	2	813.940	-31.17	-13	Pass
813.963	814	0.101	/	3	813.980	-31.38	-20	Pass
814	824	0.101	CHP	/	/	/	/	/

Band26a_10MHz_QPSK_HCH_819MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.002	-48.47	-20	Pass
824.038	825	0.1	CHP	2	824.088	-40.48	-13	Pass
825	834	0.1	CHP	3	826.143	-47.58	-13	Pass

Band26a_10MHz_QPSK_HCH_819MHz_RB_50_0_NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.101	CHP	/	/	/	/	/
824	824.038	0.101	CHP	1	824.020	-29.37	-20	Pass
824.038	825	0.1	/	2	824.040	-30.38	-13	Pass
825	834	0.1	/	3	825.880	-32.85	-13	Pass