

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	23.84	<=50	Pass
			2	24.28	<=50	Pass
			5	23.82	<=50	Pass
		3	0	23.79	<=50	Pass
			2	23.88	<=50	Pass
			3	23.82	<=50	Pass
	6	0	22.87	<=50	Pass	
	819	1	0	23.56	<=50	Pass
			2	24.13	<=50	Pass
			5	24.02	<=50	Pass
		3	0	23.83	<=50	Pass
			2	23.89	<=50	Pass
			3	23.85	<=50	Pass
	6	0	22.83	<=50	Pass	
	823.3	1	0	23.95	<=50	Pass
			2	24.18	<=50	Pass
			5	24.01	<=50	Pass
		3	0	23.79	<=50	Pass
2			23.84	<=50	Pass	
3			23.77	<=50	Pass	
6	0	22.86	<=50	Pass		
16QAM	814.7	1	0	22.65	<=50	Pass
			2	22.76	<=50	Pass
			5	21.94	<=50	Pass
		3	0	22.59	<=50	Pass
			2	22.62	<=50	Pass
			3	22.64	<=50	Pass
	6	0	21.68	<=50	Pass	
	819	1	0	22.49	<=50	Pass
			2	22.65	<=50	Pass
			5	22.75	<=50	Pass
		3	0	22.85	<=50	Pass
			2	22.84	<=50	Pass
			3	22.63	<=50	Pass
	6	0	21.69	<=50	Pass	
	823.3	1	0	22.70	<=50	Pass
			2	22.62	<=50	Pass
			5	22.69	<=50	Pass
		3	0	22.81	<=50	Pass
2			22.93	<=50	Pass	
3			22.89	<=50	Pass	
6	0	21.79	<=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	23.80	<=50	Pass		
			7	24.04	<=50	Pass		
			14	24.08	<=50	Pass		
		8	0	22.89	<=50	Pass		
			4	22.89	<=50	Pass		
			7	22.88	<=50	Pass		
		15	0	22.90	<=50	Pass		
		819	1	0	23.69	<=50	Pass	
				7	24.08	<=50	Pass	
	14			23.84	<=50	Pass		
	8		0	22.89	<=50	Pass		
			4	22.84	<=50	Pass		
			7	22.96	<=50	Pass		
	15		0	22.86	<=50	Pass		
	822.5		1	0	23.93	<=50	Pass	
				7	24.11	<=50	Pass	
		14		23.81	<=50	Pass		
		8	0	22.90	<=50	Pass		
			4	22.15	<=50	Pass		
			7	22.87	<=50	Pass		
		15	0	22.79	<=50	Pass		
		16QAM	815.5	1	0	22.07	<=50	Pass
					7	22.54	<=50	Pass
	14				22.35	<=50	Pass	
8	0			21.46	<=50	Pass		
	4			21.89	<=50	Pass		
	7			21.96	<=50	Pass		
15	0			21.84	<=50	Pass		
819	1			0	22.45	<=50	Pass	
				7	22.67	<=50	Pass	
			14	22.35	<=50	Pass		
	8		0	21.60	<=50	Pass		
			4	21.58	<=50	Pass		
			7	21.37	<=50	Pass		
	15		0	21.42	<=50	Pass		
	822.5		1	0	22.48	<=50	Pass	
				7	22.69	<=50	Pass	
14				22.40	<=50	Pass		
8			0	21.62	<=50	Pass		
			4	21.94	<=50	Pass		
			7	21.93	<=50	Pass		
15			0	21.91	<=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	23.73	<=50	Pass		
			13	24.08	<=50	Pass		
			24	23.69	<=50	Pass		
		12	0	22.79	<=50	Pass		
			6	22.81	<=50	Pass		
			13	22.85	<=50	Pass		
		25	0	22.93	<=50	Pass		
		819	1	0	23.80	<=50	Pass	
				13	24.15	<=50	Pass	
	24			23.72	<=50	Pass		
	12		0	22.79	<=50	Pass		
			6	22.94	<=50	Pass		
			13	22.89	<=50	Pass		
	25		0	22.86	<=50	Pass		
	821.5		1	0	23.78	<=50	Pass	
				13	24.13	<=50	Pass	
		24		23.76	<=50	Pass		
		12	0	22.86	<=50	Pass		
			6	22.87	<=50	Pass		
			13	22.82	<=50	Pass		
		25	0	22.84	<=50	Pass		
		16QAM	816.5	1	0	22.78	<=50	Pass
					13	22.55	<=50	Pass
	24				22.59	<=50	Pass	
12	0			21.74	<=50	Pass		
	6			21.74	<=50	Pass		
	13			21.80	<=50	Pass		
25	0			21.76	<=50	Pass		
819	1			0	22.23	<=50	Pass	
				13	22.58	<=50	Pass	
			24	22.65	<=50	Pass		
	12		0	21.67	<=50	Pass		
			6	21.44	<=50	Pass		
			13	21.50	<=50	Pass		
	25		0	21.81	<=50	Pass		
	821.5		1	0	22.46	<=50	Pass	
				13	22.59	<=50	Pass	
24				22.44	<=50	Pass		
12			0	21.72	<=50	Pass		
			6	21.73	<=50	Pass		
			13	21.78	<=50	Pass		
25			0	21.91	<=50	Pass		

1.1.4 B26a_10MHz_ERP

Band: 26a / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict		
		Size	Offset	Result	Limit			
QPSK	819	1	0	23.73	<=50	Pass		
			25	24.26	<=50	Pass		
			49	23.90	<=50	Pass		
		25	0	22.96	<=50	Pass		
			13	23.01	<=50	Pass		
			25	22.90	<=50	Pass		
		50	0	22.91	<=50	Pass		
		16QAM	819	1	0	22.60	<=50	Pass
					25	22.87	<=50	Pass
49	22.01				<=50	Pass		
25	0			21.81	<=50	Pass		
	13			22.12	<=50	Pass		
	25			21.82	<=50	Pass		
50	0			21.83	<=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	-1.000	-0.0012	-2.5 to 2.5	Pass
					NV	0.500	0.0006	-2.5 to 2.5	Pass
					HV	0.100	0.0001	-2.5 to 2.5	Pass
				-30	NV	0.500	0.0006	-2.5 to 2.5	Pass
				-20	NV	0.000	0.0000	-2.5 to 2.5	Pass
				-10	NV	0.600	0.0007	-2.5 to 2.5	Pass
				0	NV	1.900	0.0023	-2.5 to 2.5	Pass
				10	NV	-0.800	-0.0010	-2.5 to 2.5	Pass
				30	NV	-0.300	-0.0004	-2.5 to 2.5	Pass
				40	NV	1.800	0.0022	-2.5 to 2.5	Pass
				50	NV	-0.900	-0.0011	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band26a_OBW

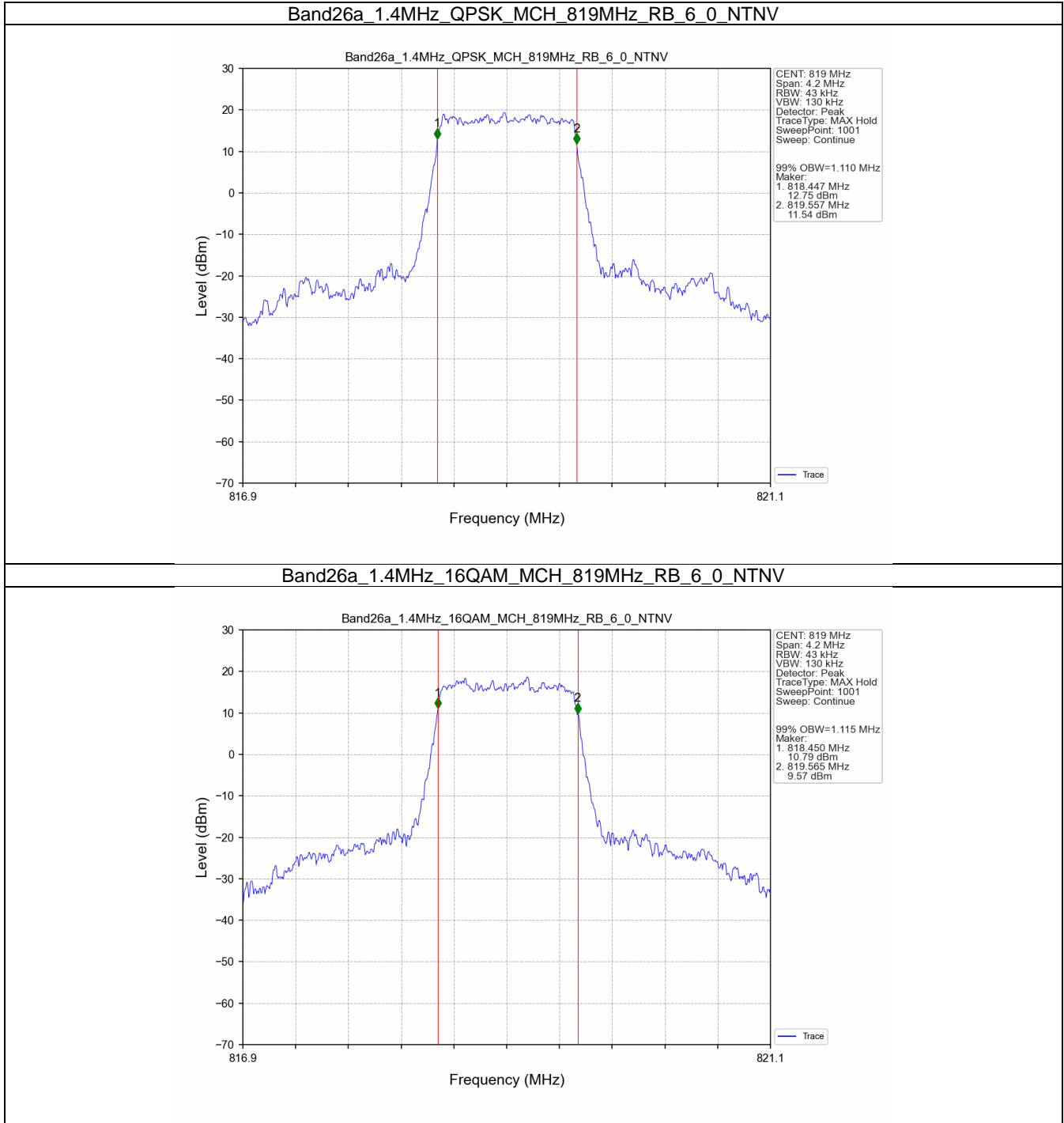
Band: 26a / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	819	6	0	1.110	/	Pass
	16QAM	819	6	0	1.115	/	Pass
3	QPSK	819	15	0	2.730	/	Pass
	16QAM	819	15	0	2.729	/	Pass
5	QPSK	819	25	0	4.532	/	Pass
	16QAM	819	25	0	4.541	/	Pass
10	QPSK	819	50	0	9.025	/	Pass
	16QAM	819	50	0	9.003	/	Pass

3.1.2 Band26a_XDB

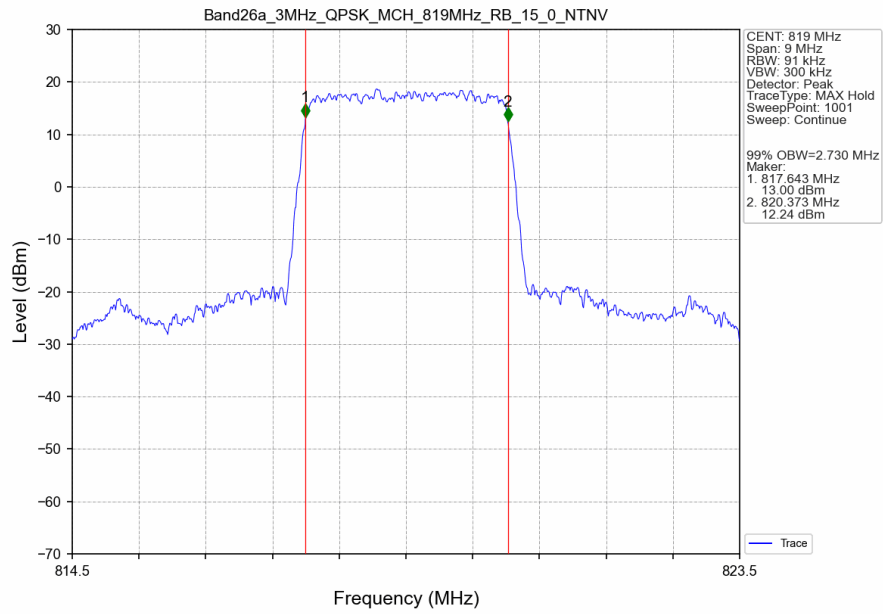
Band: 26a / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	819	6	0	1.317	/	Pass
	16QAM	819	6	0	1.312	/	Pass
3	QPSK	819	15	0	3.055	/	Pass
	16QAM	819	15	0	3.047	/	Pass
5	QPSK	819	25	0	5.074	/	Pass
	16QAM	819	25	0	5.028	/	Pass
10	QPSK	819	50	0	9.975	/	Pass
	16QAM	819	50	0	9.945	/	Pass

3.2 Test Graph

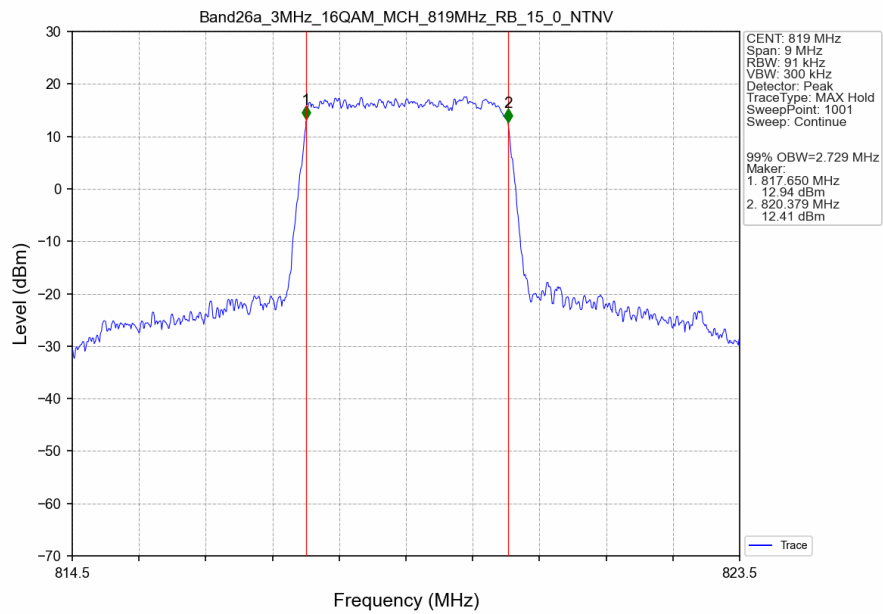
3.2.1 Band26a_OBW



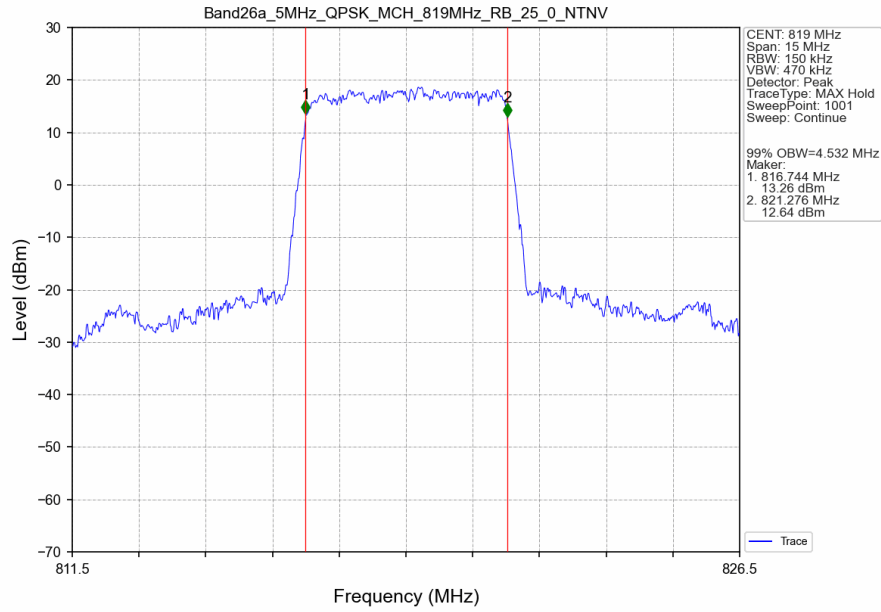
Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



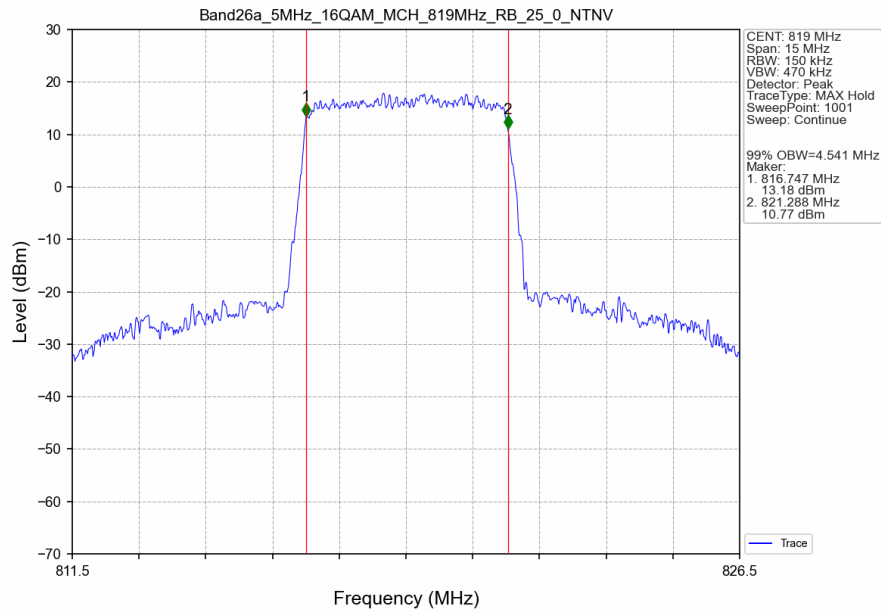
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



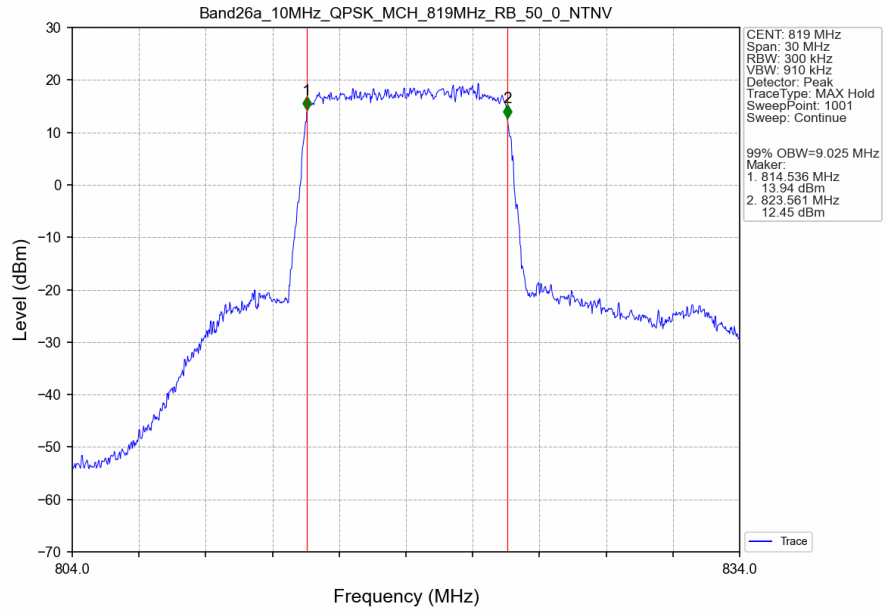
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



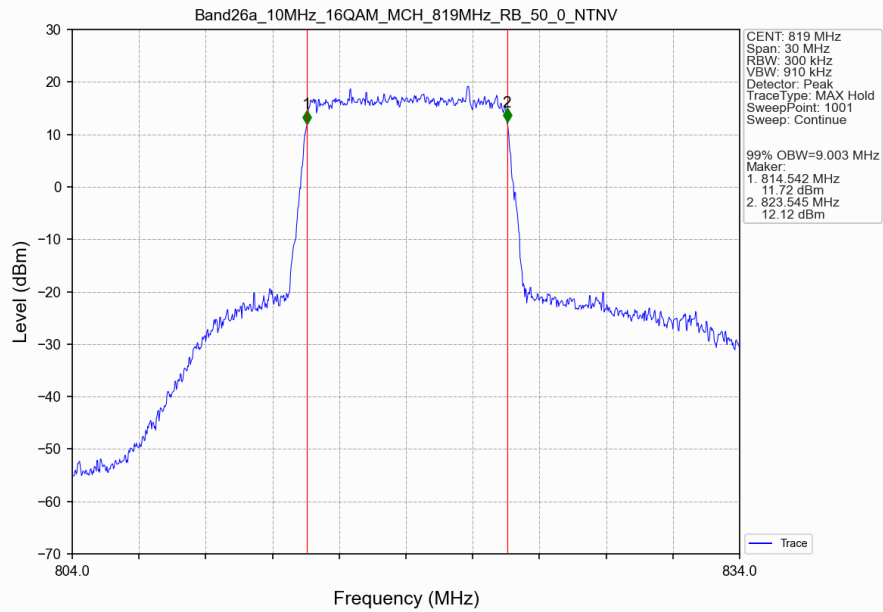
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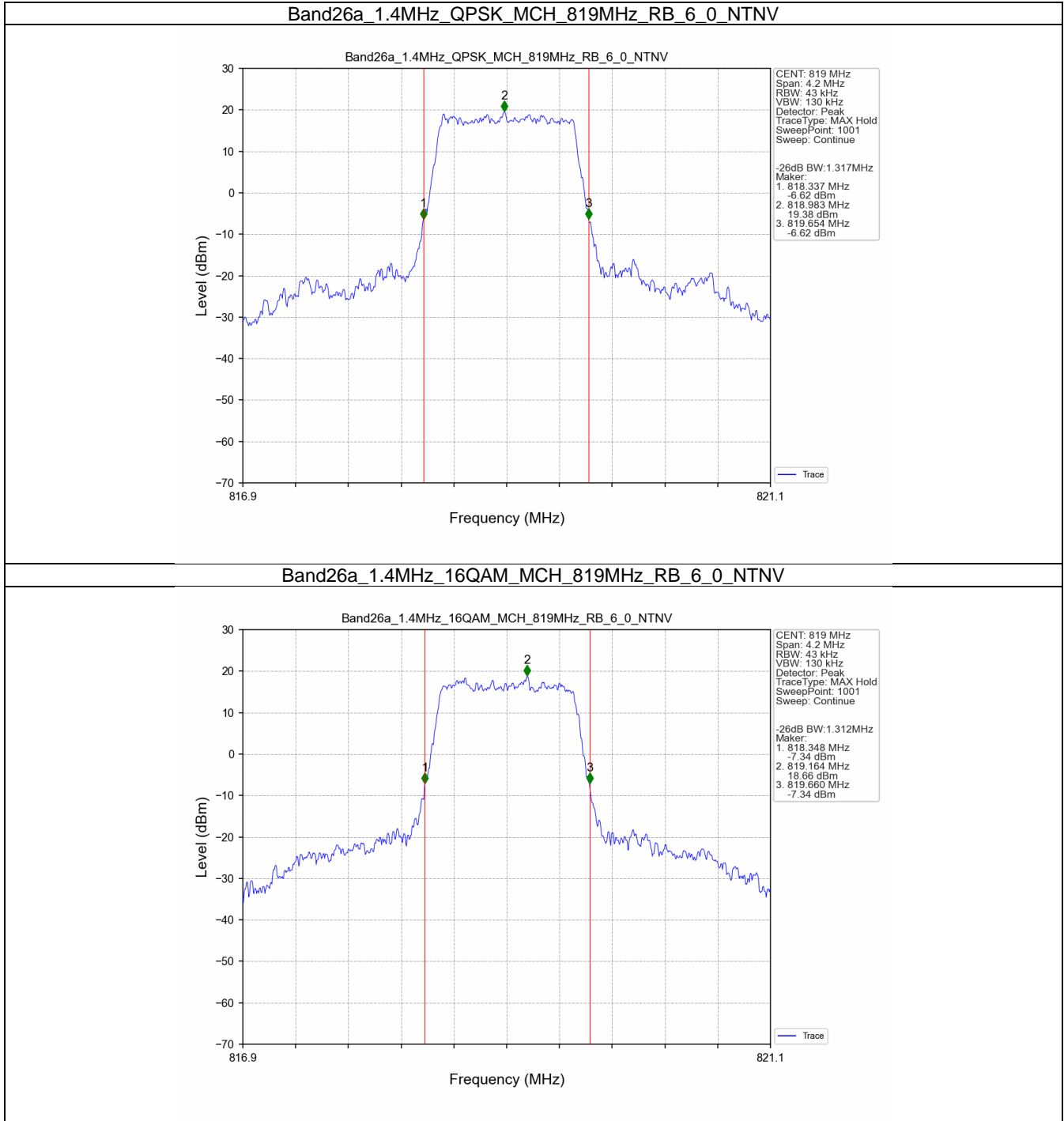
Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



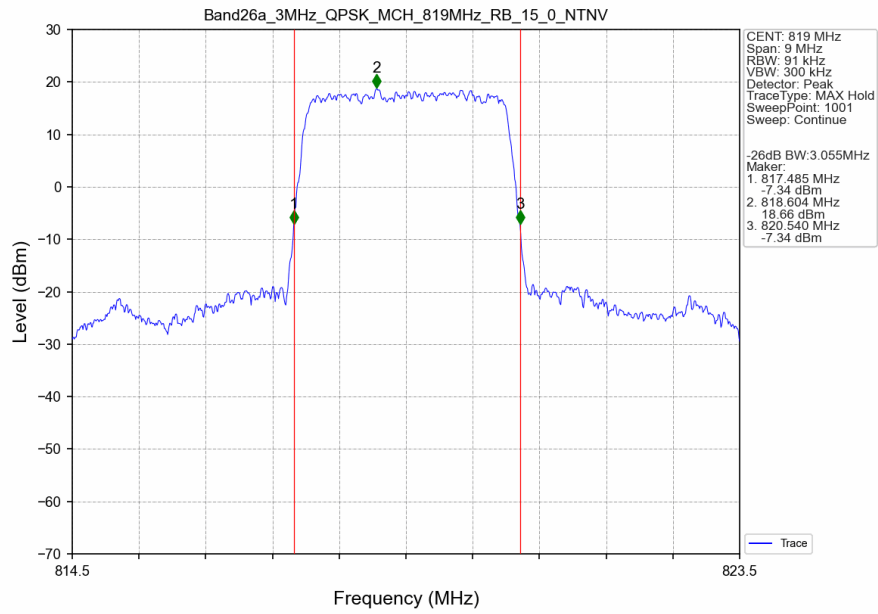
Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



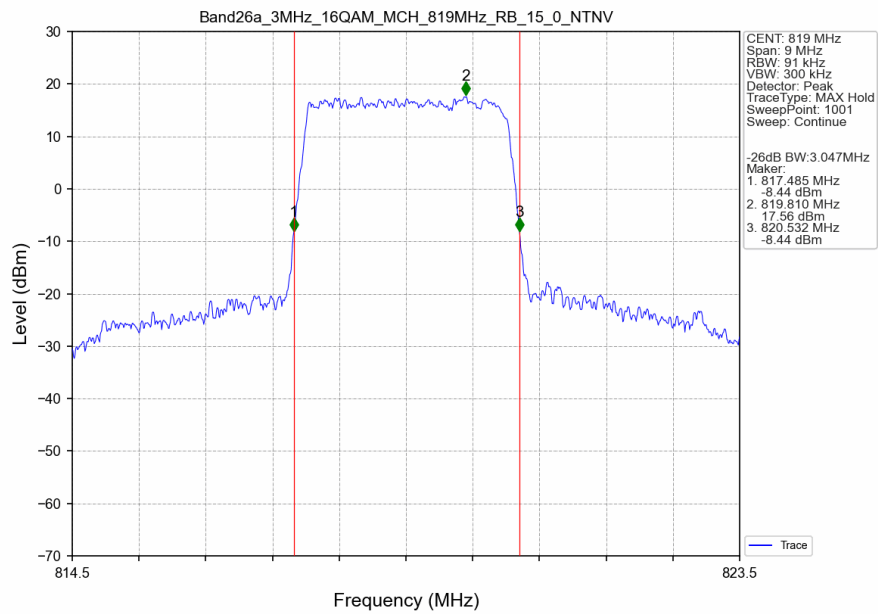
3.2.2 Band26a_XDB



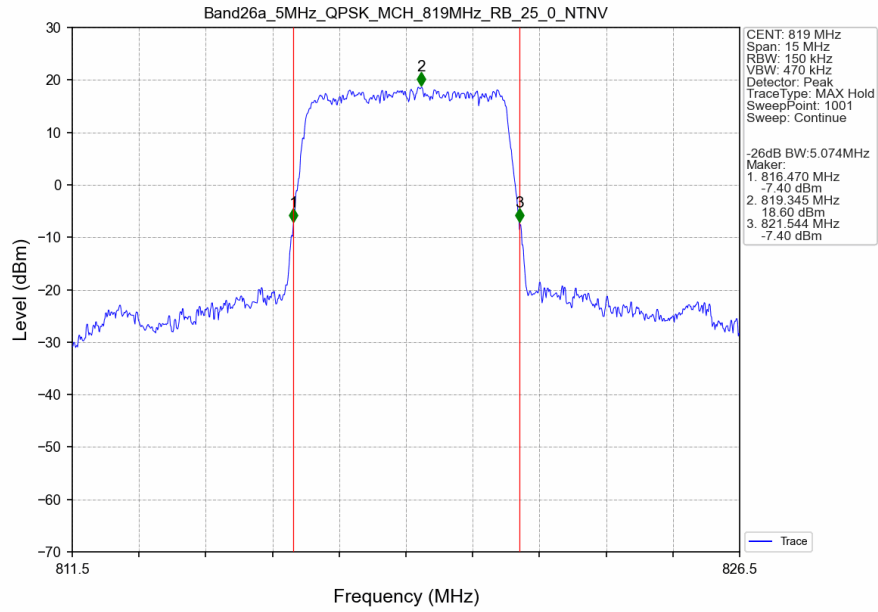
Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



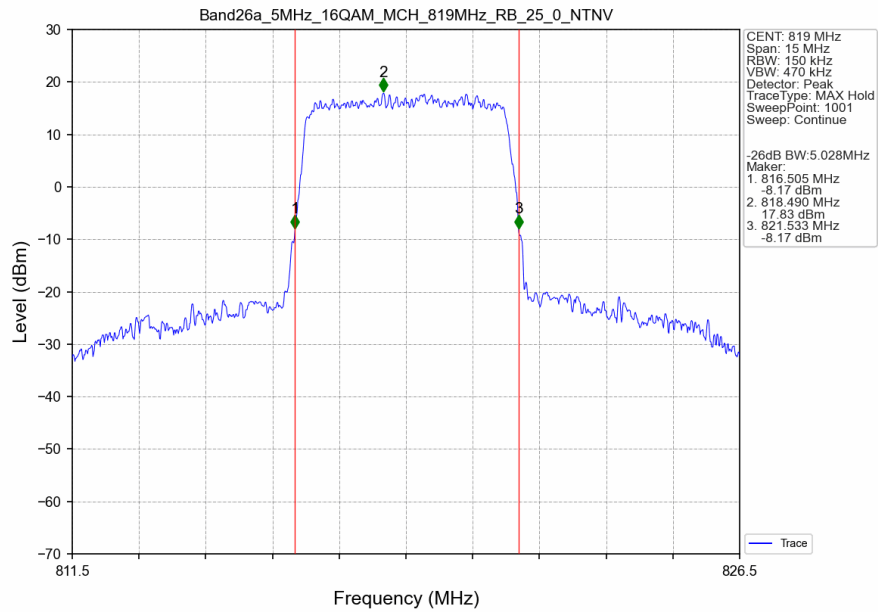
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



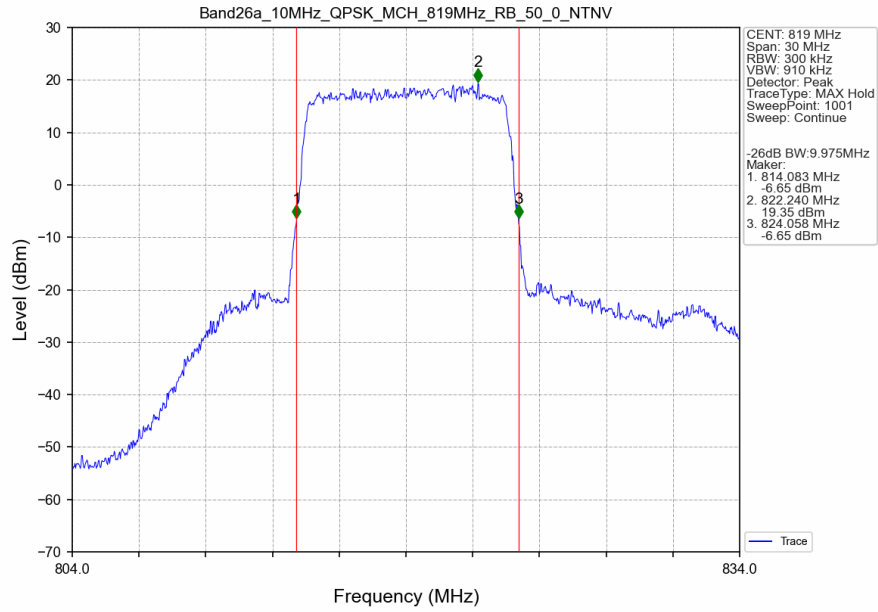
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



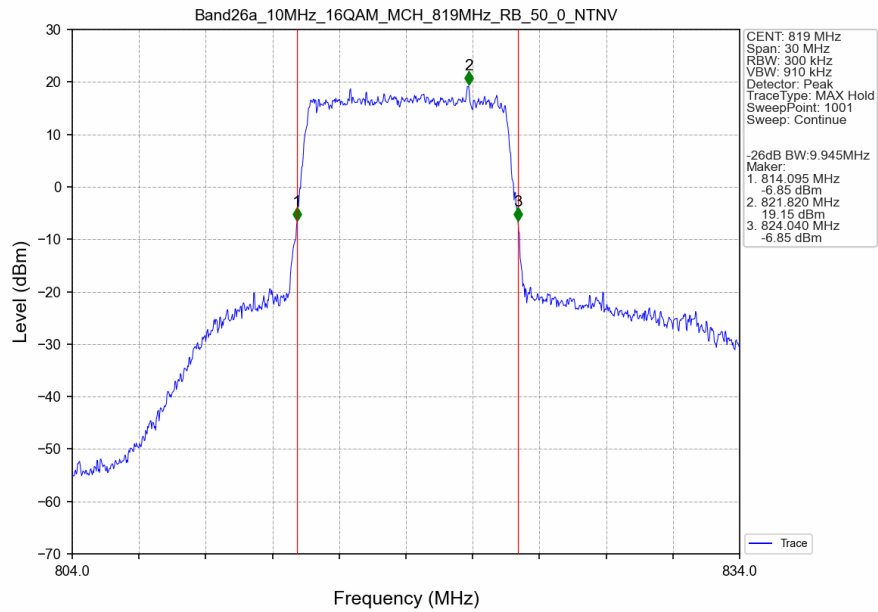
Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV



Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



4. Peak-Average Ratio

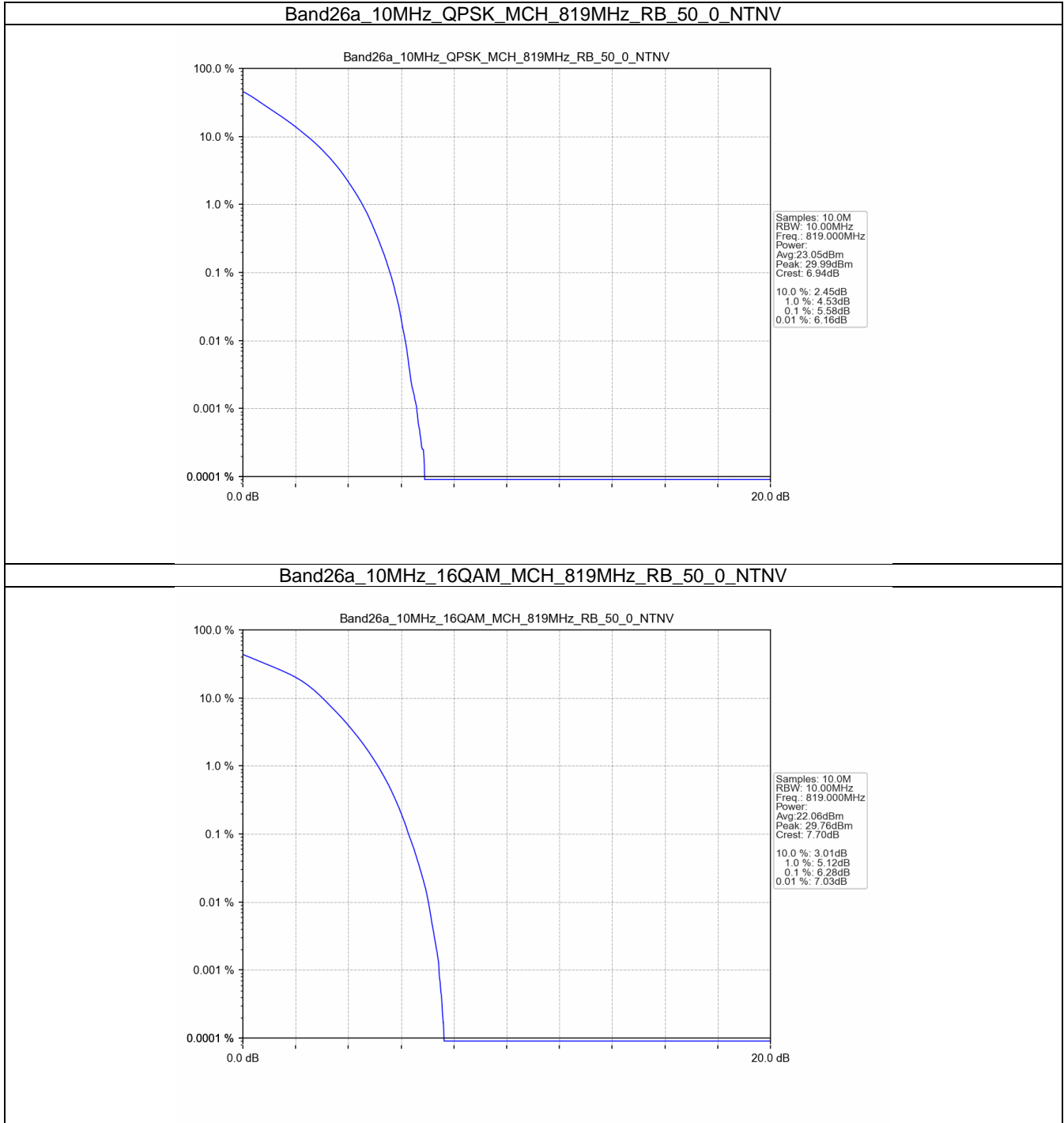
4.1 Test Result

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	5.58	<=13	Pass
16QAM	819	50	0	6.28	<=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 / NTN						
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 / NTN						
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

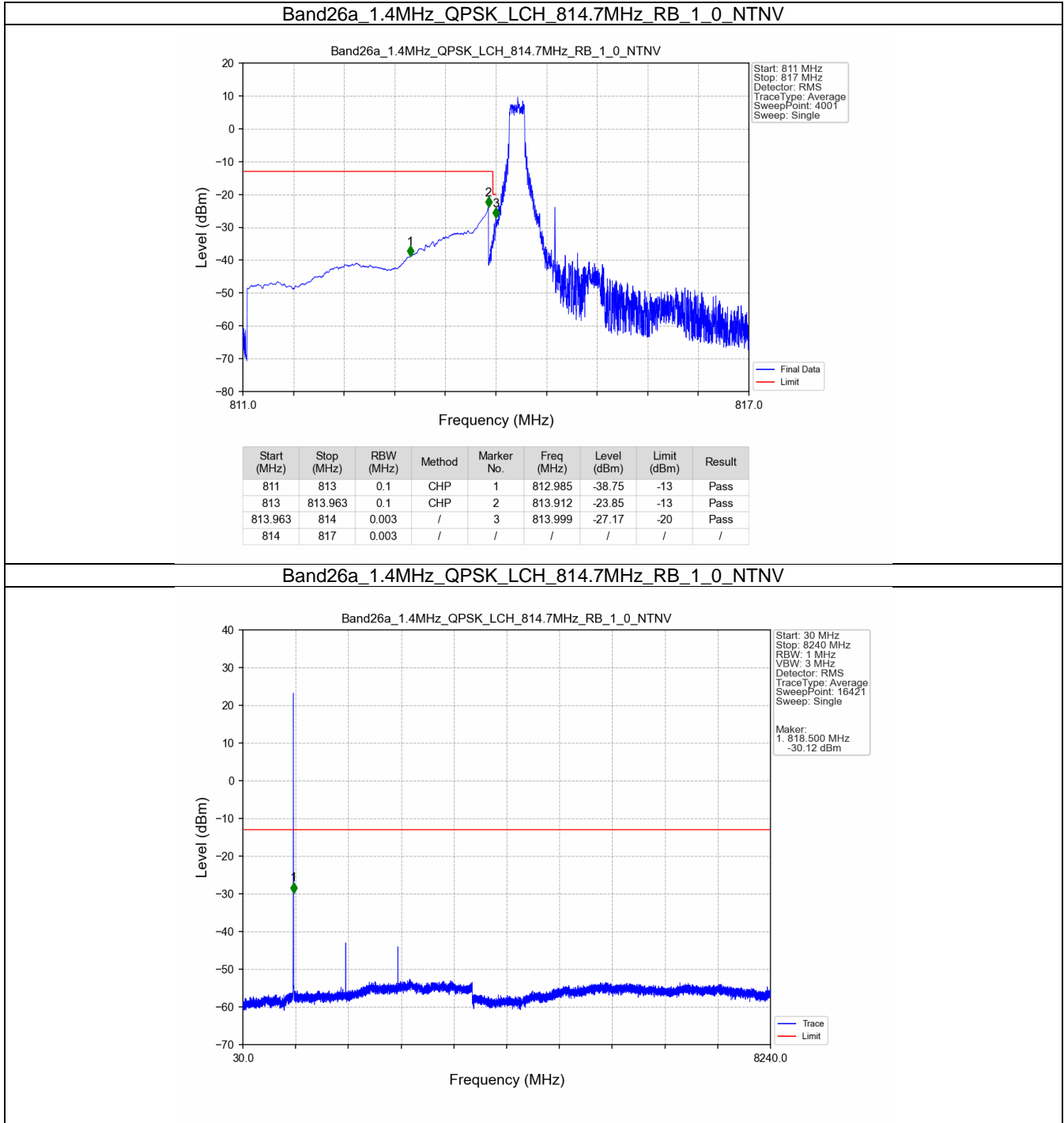
Band: 26a / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
	821.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B26a_10MHz

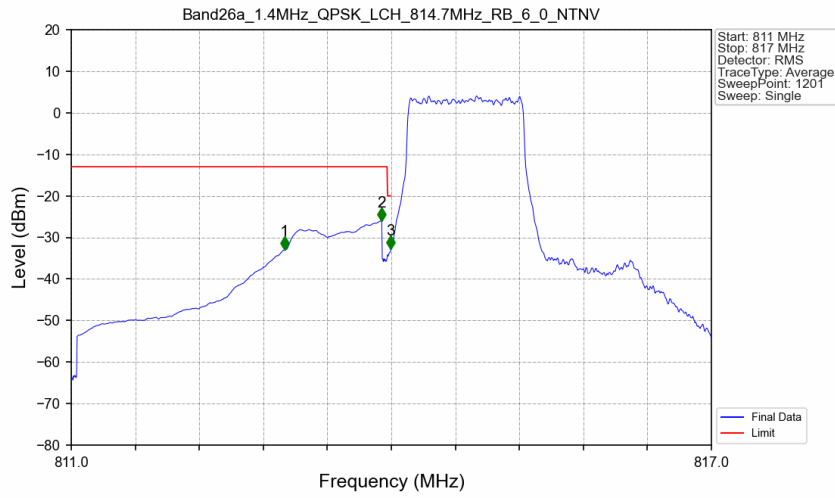
Band: 26a / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	819	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	819	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.2 Test Graph

5.2.1 B26a_1.4MHz

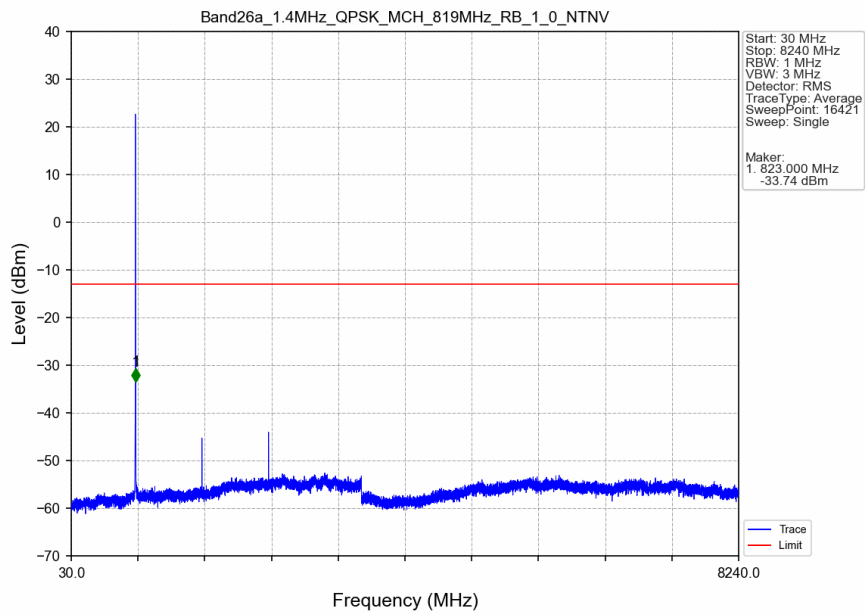


Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_6_0_NTNV

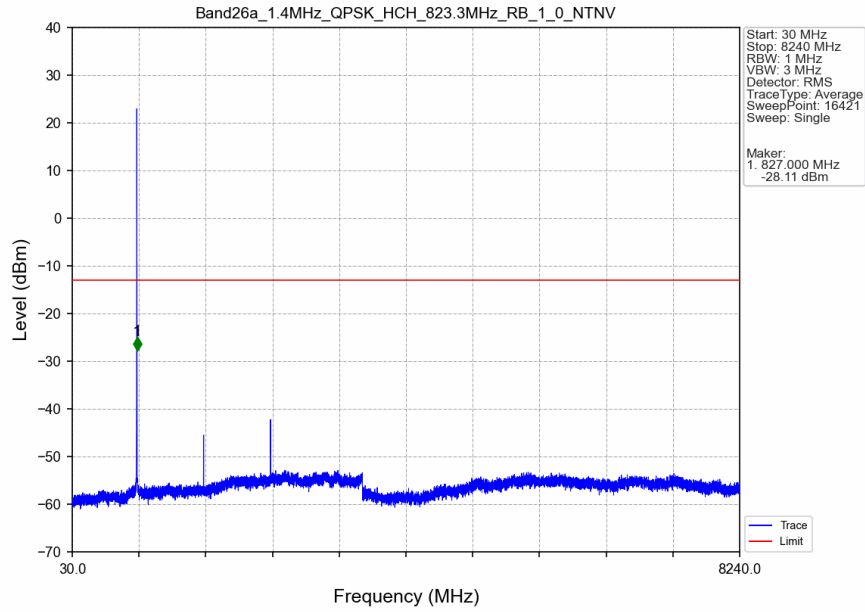


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	813.000	-33.02	-13	Pass
813	813.963	0.1	CHP	2	813.910	-26.02	-13	Pass
813.963	814	0.013	CHP	3	813.995	-32.84	-20	Pass
814	817	0.013	CHP	/	/	/	/	/

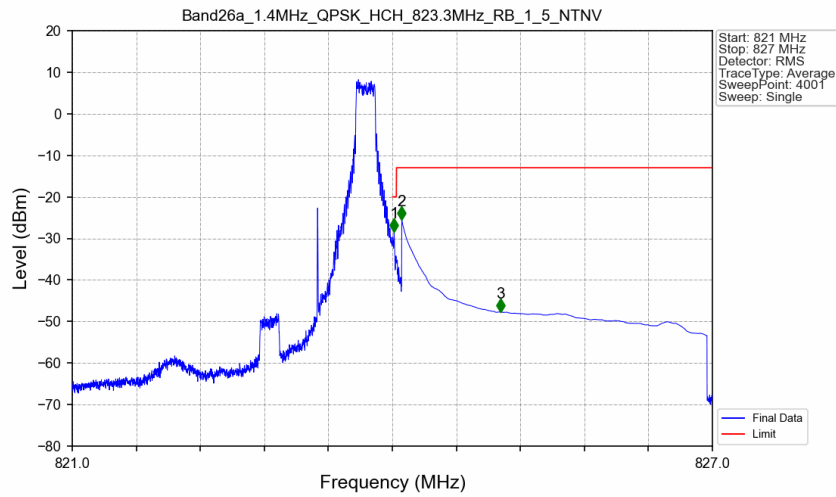
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



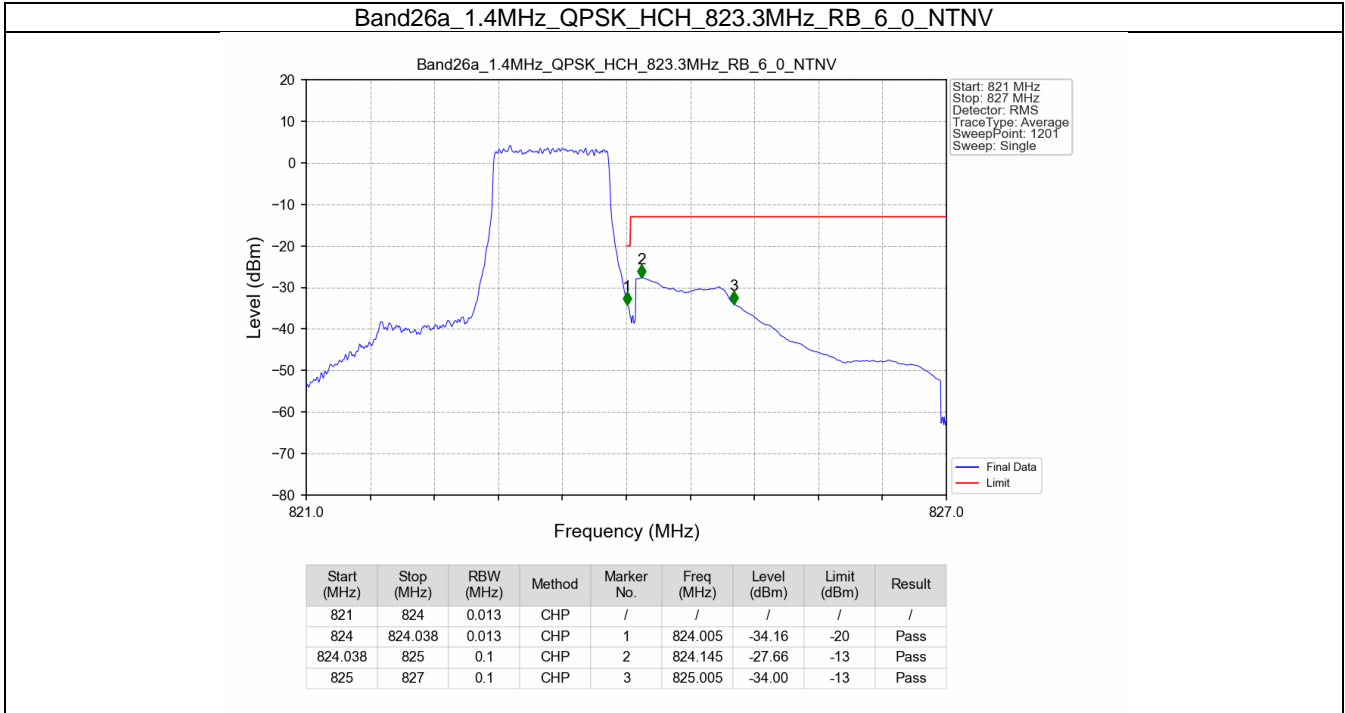
Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_0_NTNV



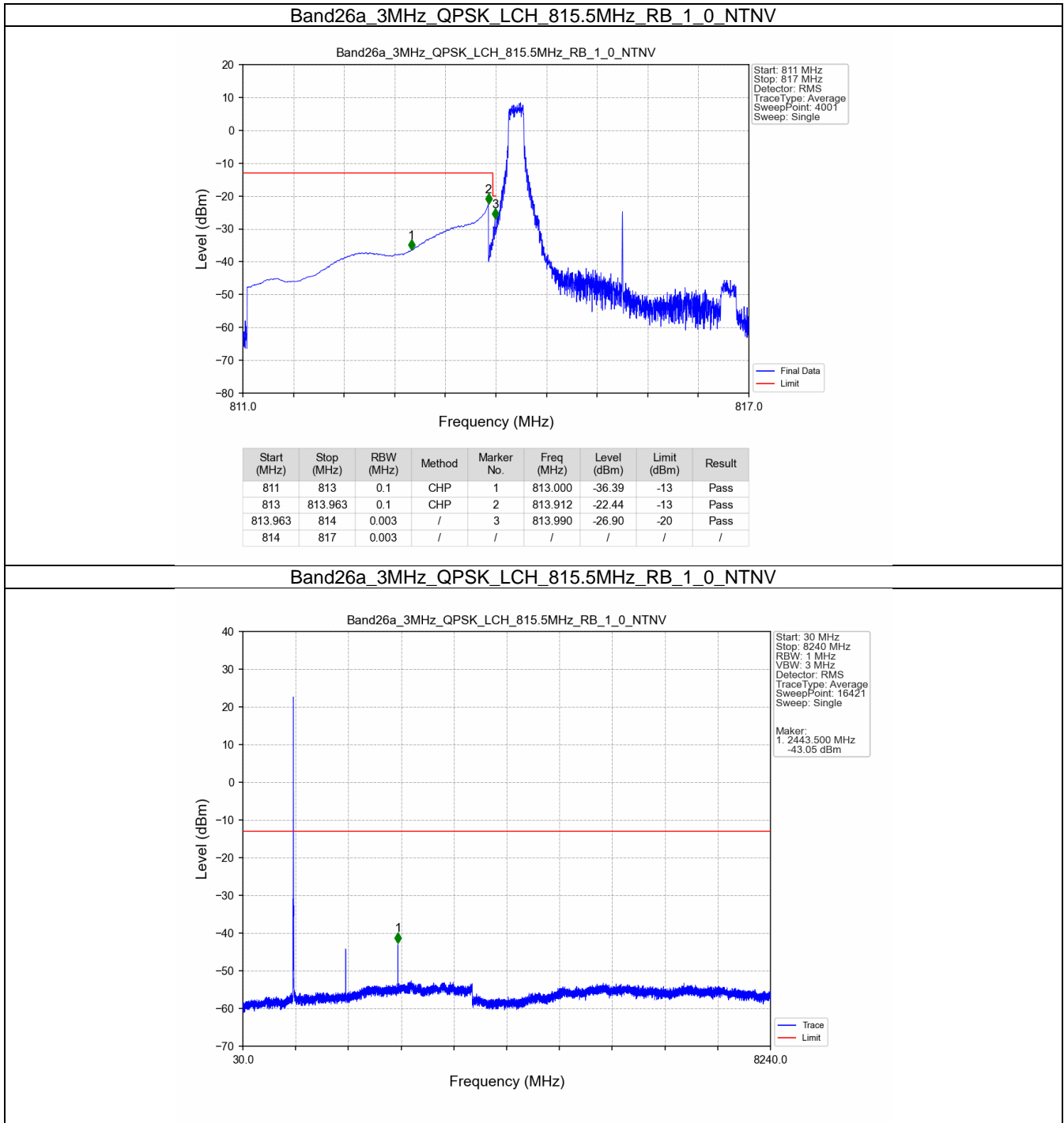
Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_5_NTNV



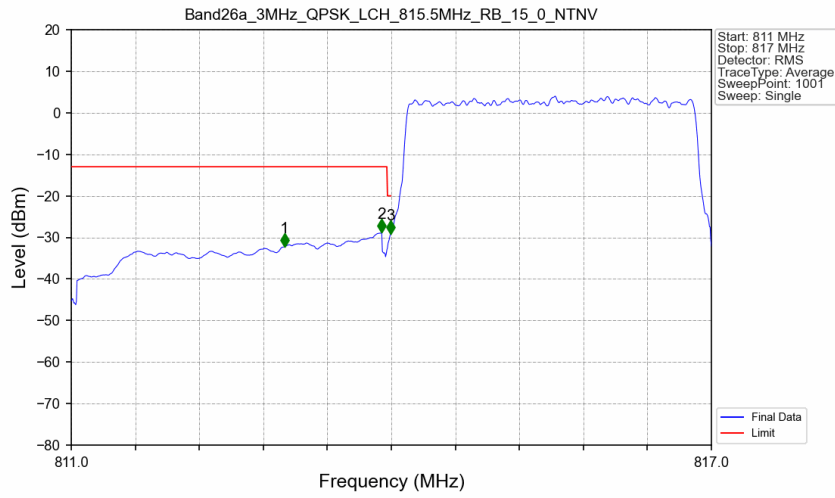
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.016	-28.38	-20	Pass
824.038	825	0.1	CHP	2	824.088	-25.48	-13	Pass
825	827	0.1	CHP	3	825.011	-47.70	-13	Pass



5.2.2 B26a_3MHz

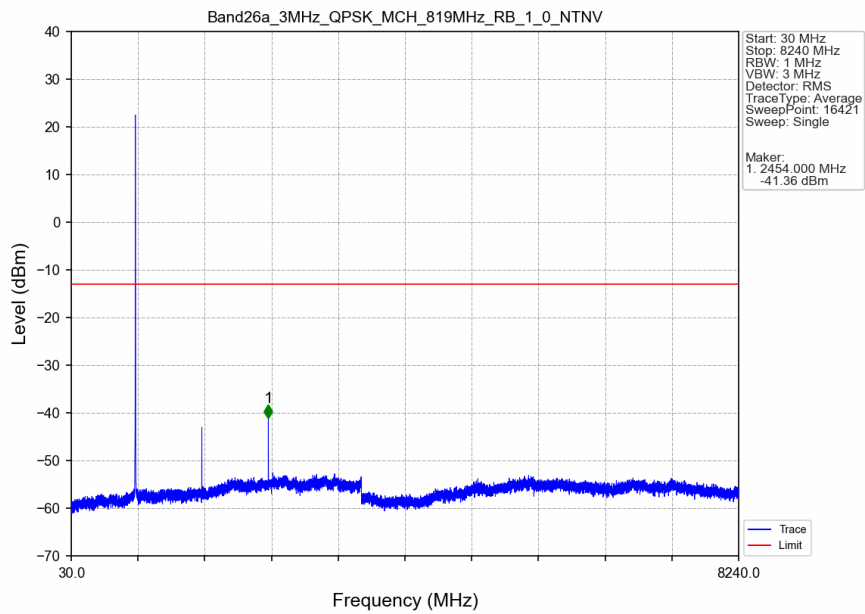


Band26a_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV

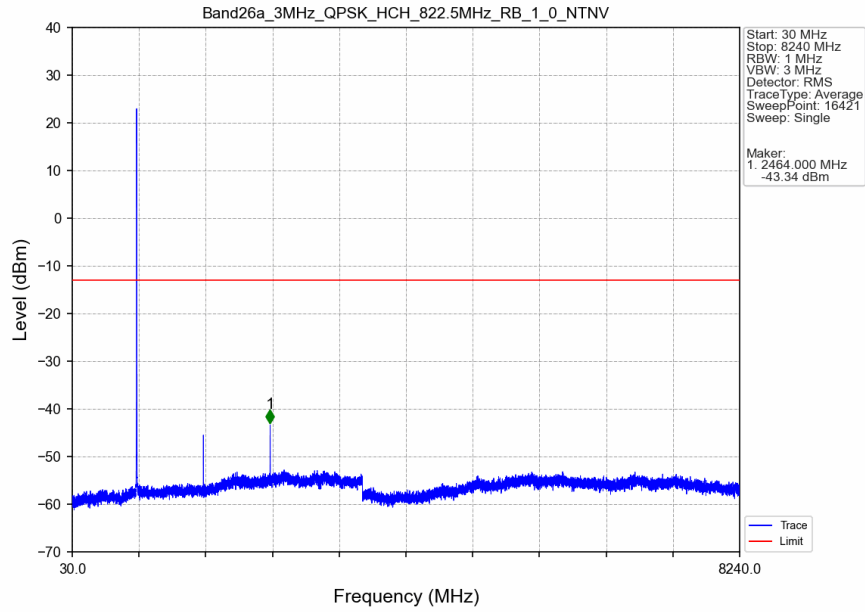


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	812.998	-32.26	-13	Pass
813	813.963	0.1	CHP	2	813.910	-28.83	-13	Pass
813.963	814	0.031	CHP	3	813.994	-29.15	-20	Pass
814	817	0.031	CHP	/	/	/	/	/

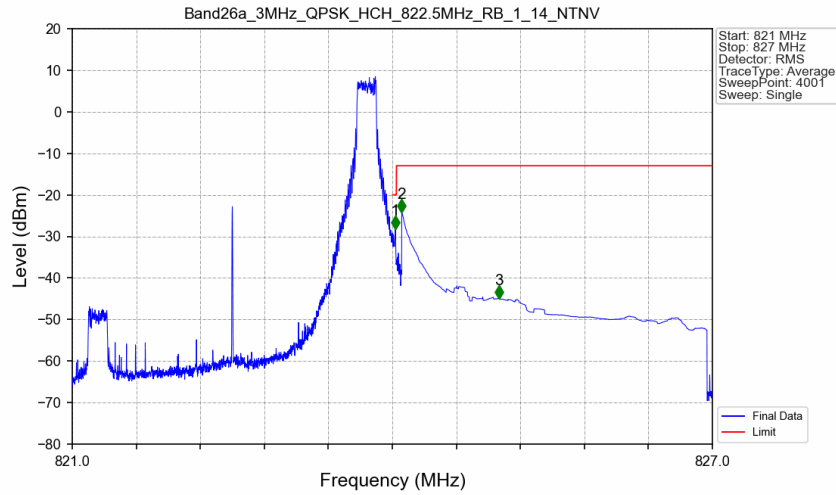
Band26a_3MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_0_NTNV

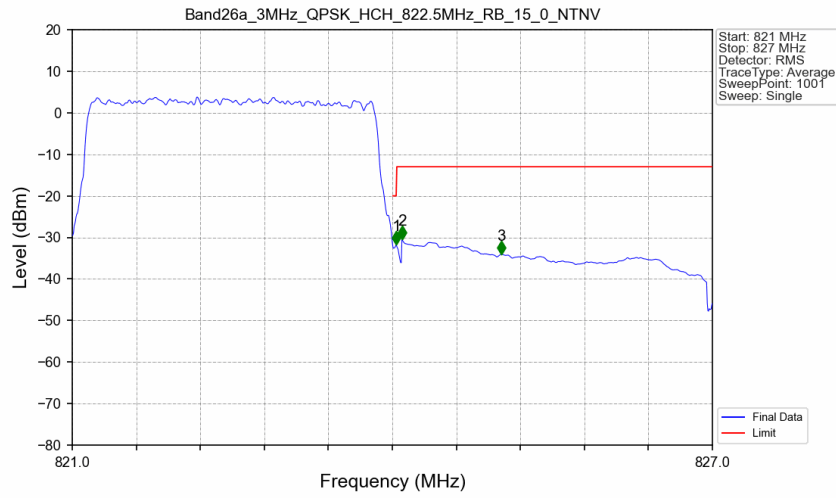


Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_14_NTNV



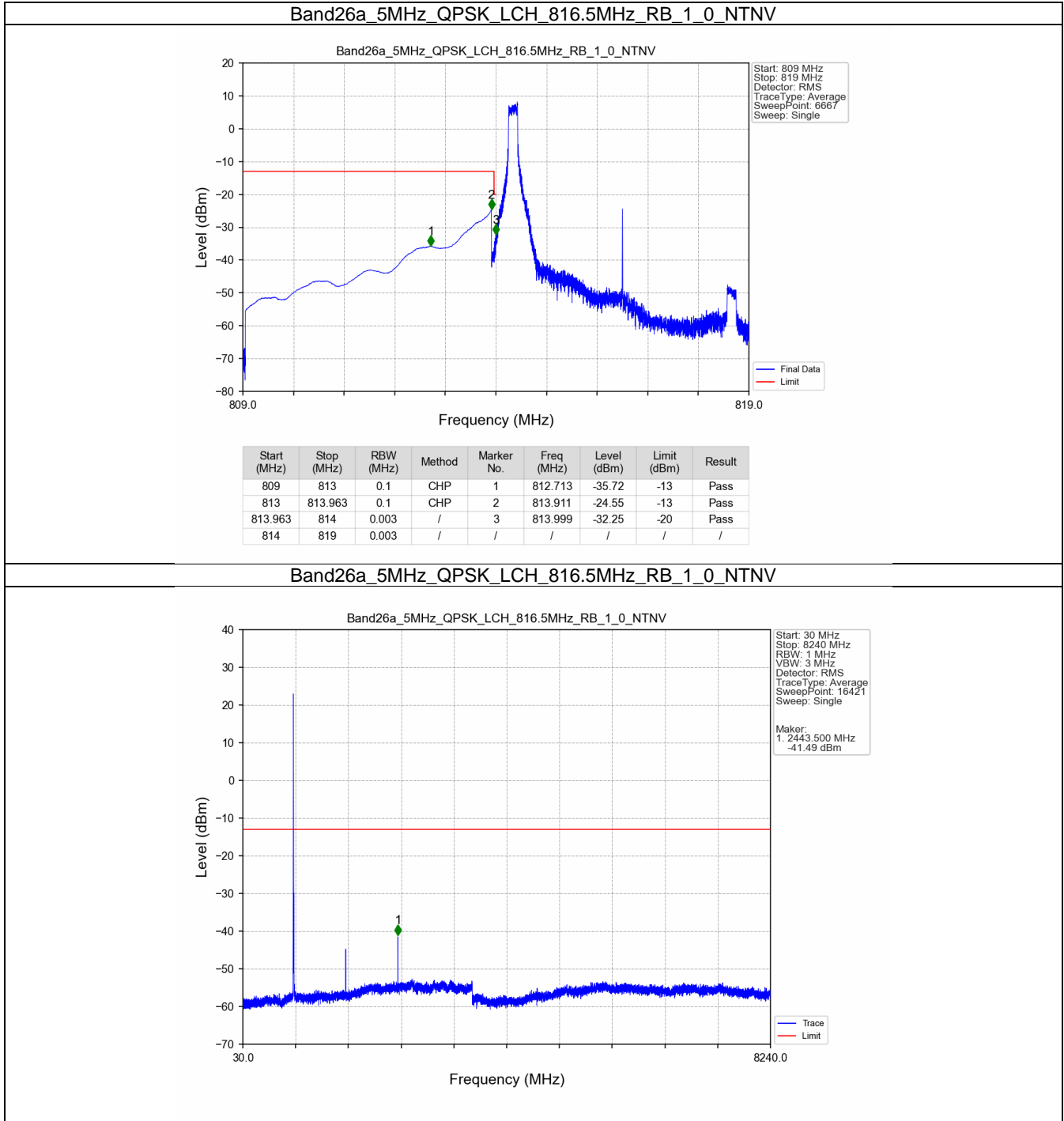
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.029	-28.17	-20	Pass
824.038	825	0.1	CHP	2	824.088	-24.18	-13	Pass
825	827	0.1	CHP	3	825.000	-44.99	-13	Pass

Band26a_3MHz_QPSK_HCH_822.5MHz_RB_15_0_NTNV

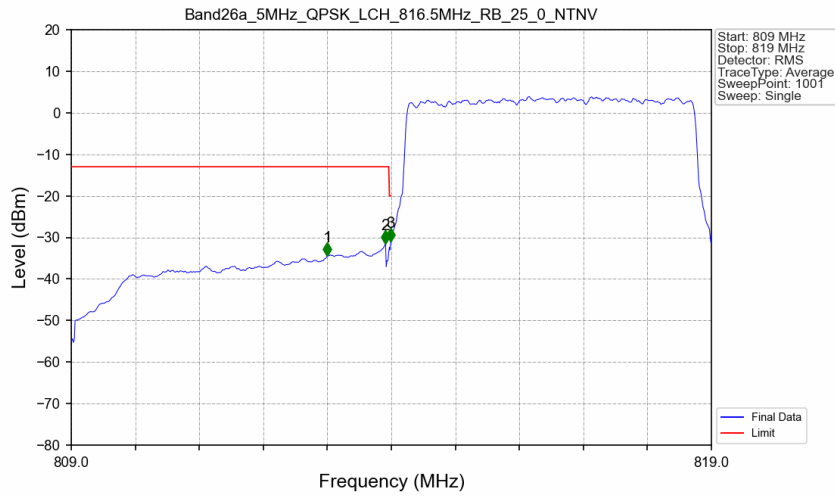


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.031	CHP	/	/	/	/	/
824	824.038	0.031	CHP	1	824.036	-31.75	-20	Pass
824.038	825	0.1	CHP	2	824.090	-30.43	-13	Pass
825	827	0.1	CHP	3	825.020	-34.04	-13	Pass

5.2.3 B26a_5MHz

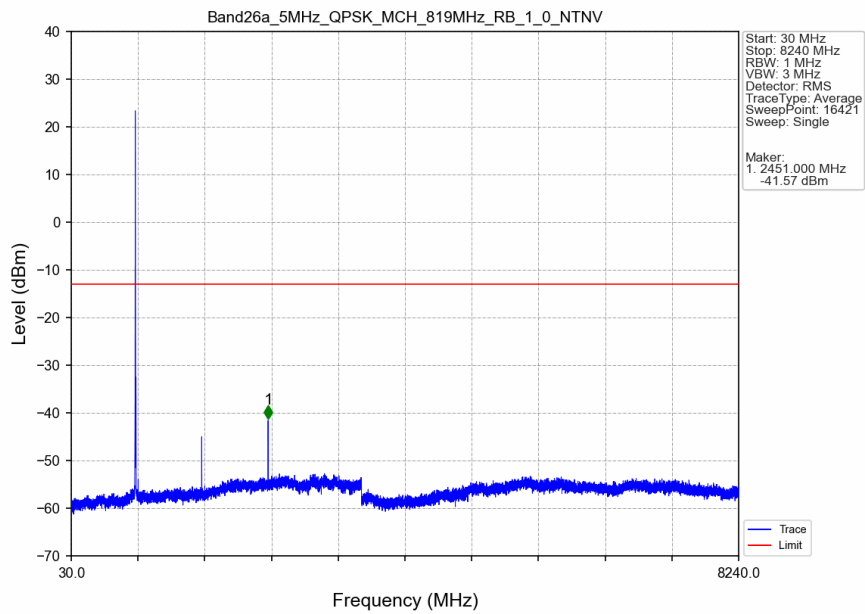


Band26a_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV

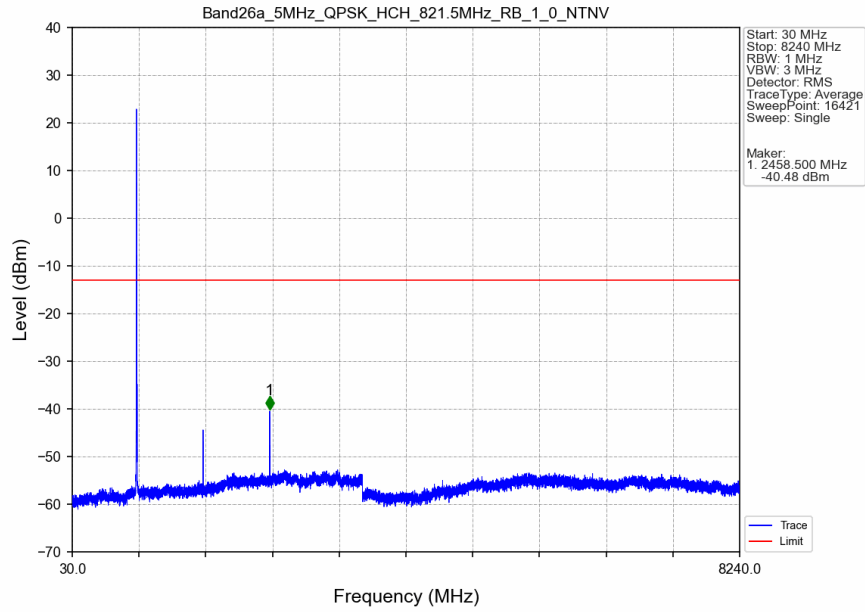


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	813.000	-34.48	-13	Pass
813	813.963	0.1	CHP	2	813.910	-31.42	-13	Pass
813.963	814	0.051	CHP	3	813.990	-30.96	-20	Pass
814	819	0.051	CHP	/	/	/	/	/

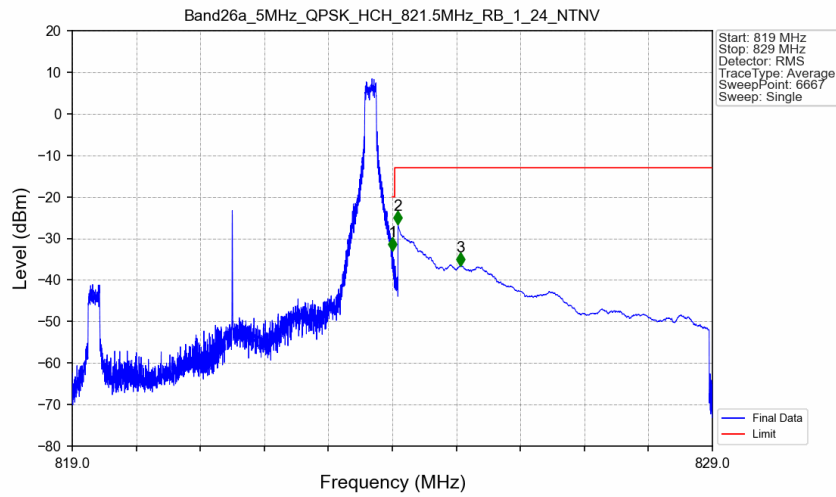
Band26a_5MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_0_NTNV

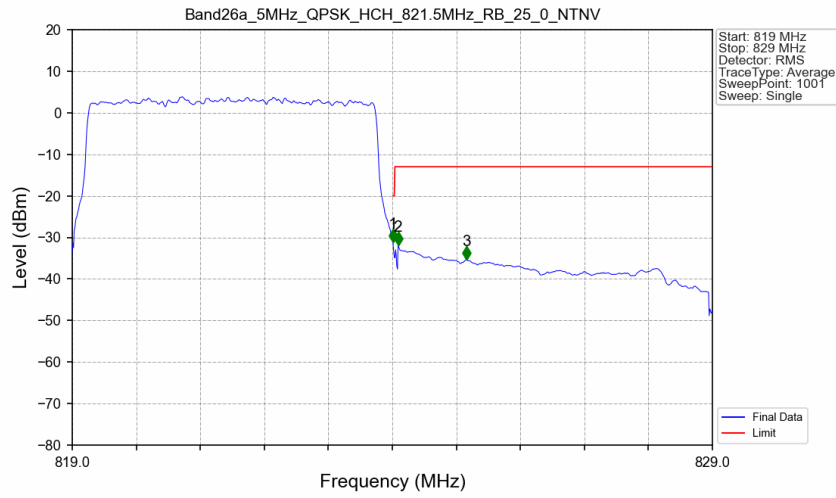


Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_24_NTNV



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	824.001	-32.90	-20	Pass
824.038	825	0.1	CHP	2	824.089	-26.61	-13	Pass
825	829	0.1	CHP	3	825.068	-36.66	-13	Pass

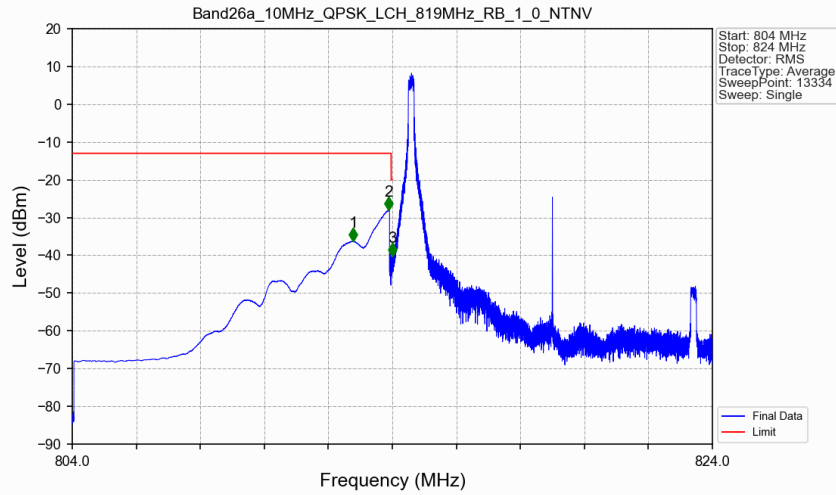
Band26a_5MHz_QPSK_HCH_821.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.05	CHP	/	/	/	/	/
824	824.038	0.05	CHP	1	824.010	-31.12	-20	Pass
824.038	825	0.1	CHP	2	824.090	-31.80	-13	Pass
825	829	0.1	CHP	3	825.160	-35.33	-13	Pass

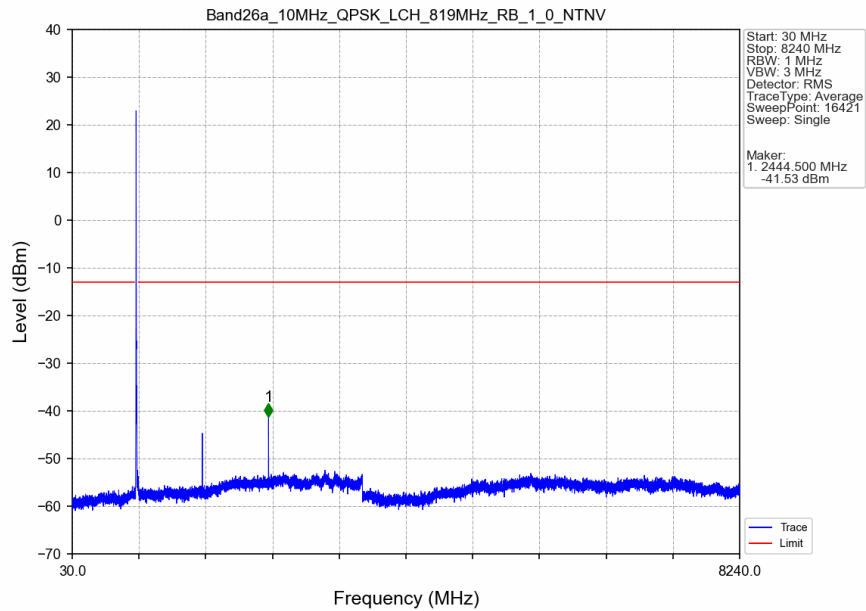
5.2.4 B26a_10MHz

Band26a_10MHz_QPSK_LCH_819MHz_RB_1_0_NTNV

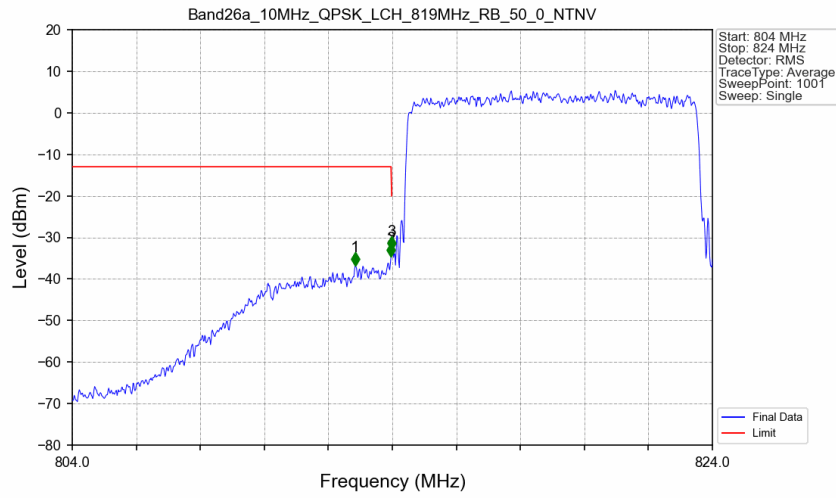


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
804	813	0.1	CHP	1	812.781	-36.17	-13	Pass
813	813.963	0.1	CHP	2	813.887	-28.00	-13	Pass
813.963	814	0.003	/	3	813.993	-40.19	-20	Pass
814	824	0.003	/	/	/	/	/	/

Band26a_10MHz_QPSK_LCH_819MHz_RB_1_0_NTNV

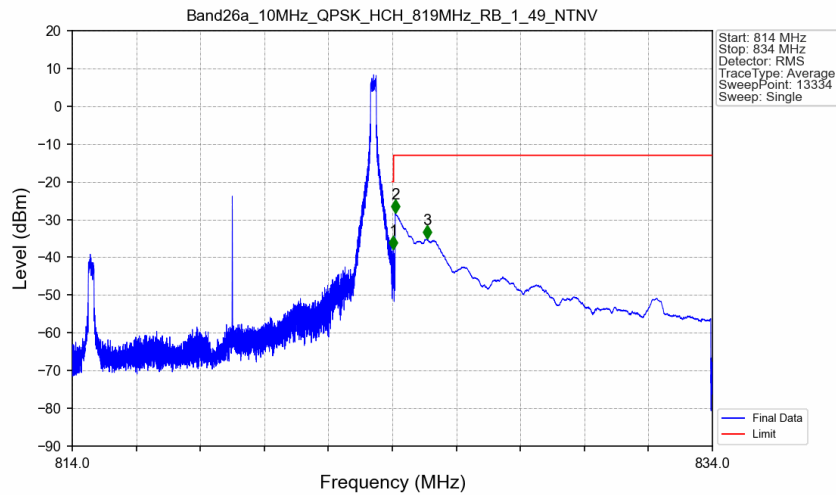


Band26a_10MHz_QPSK_LCH_819MHz_RB_50_0_NTNV



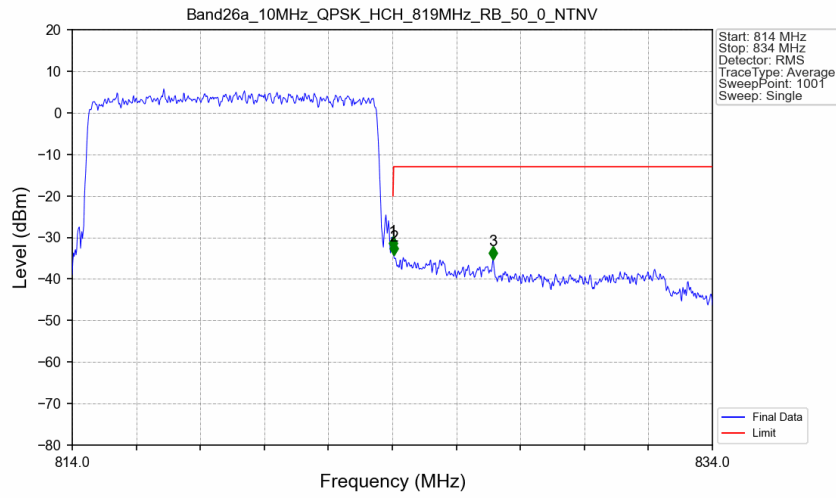
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
804	813	0.1	/	1	812.840	-36.73	-13	Pass
813	813.963	0.1	/	2	813.960	-34.64	-13	Pass
813.963	814	0.1	/	3	813.980	-32.97	-20	Pass
814	824	0.1	/	/	/	/	/	/

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	824.028	-37.81	-20	Pass
824.038	825	0.1	CHP	2	824.092	-28.19	-13	Pass
825	834	0.1	CHP	3	825.081	-35.01	-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	0.1	/	/	/	/	/	/
824	824.038	0.1	/	1	824.020	-32.92	-20	Pass
824.038	825	0.1	/	2	824.040	-34.29	-13	Pass
825	834	0.1	/	3	827.140	-35.35	-13	Pass