

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	22.93	<=50	Pass
			5	23.13	<=50	Pass
		6	0	21.96	<=50	Pass
	819	1	0	22.94	<=50	Pass
			5	22.82	<=50	Pass
		6	0	21.74	<=50	Pass
	823.3	1	0	22.49	<=50	Pass
			5	22.73	<=50	Pass
		6	0	21.58	<=50	Pass
16QAM	814.7	1	0	21.92	<=50	Pass
			5	22.21	<=50	Pass
		6	0	21.01	<=50	Pass
	819	1	0	21.64	<=50	Pass
			5	21.79	<=50	Pass
		6	0	20.98	<=50	Pass
	823.3	1	0	21.36	<=50	Pass
			5	21.72	<=50	Pass
		6	0	20.68	<=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	22.71	<=50	Pass
			14	22.69	<=50	Pass
		15	0	21.89	<=50	Pass
	819	1	0	22.86	<=50	Pass
			14	22.66	<=50	Pass
		15	0	21.75	<=50	Pass
	822.5	1	0	22.63	<=50	Pass
			14	22.63	<=50	Pass
		15	0	21.57	<=50	Pass
16QAM	815.5	1	0	22.09	<=50	Pass
			14	21.55	<=50	Pass
		15	0	20.97	<=50	Pass
	819	1	0	22.11	<=50	Pass
			14	21.46	<=50	Pass
		15	0	20.91	<=50	Pass
	822.5	1	0	21.91	<=50	Pass
			14	21.46	<=50	Pass
		15	0	20.59	<=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	23.02	<=50	Pass
			24	22.87	<=50	Pass
		25	0	22.07	<=50	Pass
	819	1	0	23.01	<=50	Pass
			24	22.82	<=50	Pass
		25	0	21.86	<=50	Pass
	821.5	1	0	22.77	<=50	Pass
			24	22.89	<=50	Pass
		25	0	21.73	<=50	Pass
16QAM	816.5	1	0	22.33	<=50	Pass
			24	22.12	<=50	Pass
		25	0	21.17	<=50	Pass
	819	1	0	22.24	<=50	Pass
			24	22.03	<=50	Pass
		25	0	21.07	<=50	Pass
	821.5	1	0	22.03	<=50	Pass
			24	22.07	<=50	Pass
		25	0	20.90	<=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	23.52	<=50	Pass
			49	23.04	<=50	Pass
		50	0	22.06	<=50	Pass
16QAM	819	1	0	22.43	<=50	Pass
			49	22.31	<=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 (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	819	50	0	20	3.40	-0.958	-0.0012	-2.5 to 2.5	Pass
					3.80	-0.858	-0.0010	-2.5 to 2.5	Pass
					4.20	-0.601	-0.0007	-2.5 to 2.5	Pass
				-30	3.80	-0.200	-0.0002	-2.5 to 2.5	Pass
				-20	3.80	-0.515	-0.0006	-2.5 to 2.5	Pass
				-10	3.80	-0.401	-0.0005	-2.5 to 2.5	Pass
				0	3.80	-0.343	-0.0004	-2.5 to 2.5	Pass
				10	3.80	-0.372	-0.0005	-2.5 to 2.5	Pass

				30	3.80	0.372	0.0005	-2.5 to 2.5	Pass
				40	3.80	-1.116	-0.0014	-2.5 to 2.5	Pass
				50	3.80	0.057	0.0001	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band26a_OBW

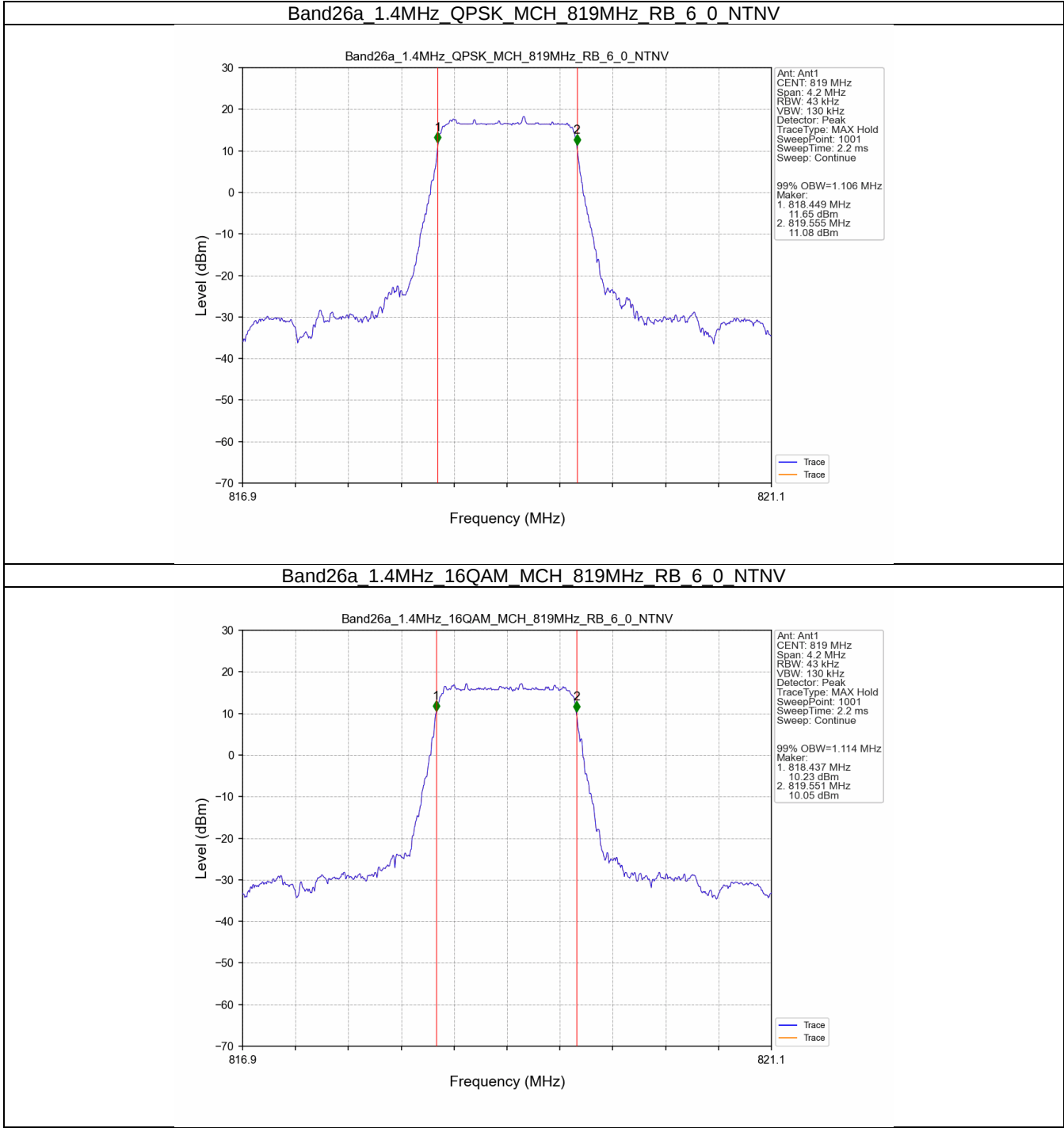
Band: 26a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	819	6	0	1.106	/	Pass
	16QAM	819	6	0	1.114	/	Pass
3	QPSK	819	15	0	2.740	/	Pass
	16QAM	819	15	0	2.721	/	Pass
5	QPSK	819	25	0	4.564	/	Pass
	16QAM	819	25	0	4.544	/	Pass
10	QPSK	819	50	0	9.038	/	Pass
	16QAM	819	27	0	5.088	/	Pass

3.1.2 Band26a_XDB

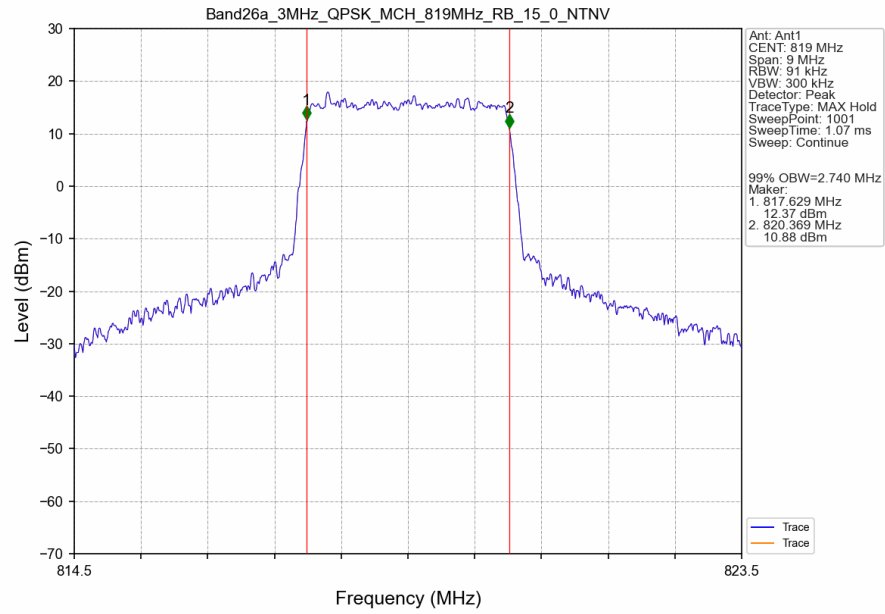
Band: 26a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	819	6	0	1.330	/	Pass
	16QAM	819	6	0	1.328	/	Pass
3	QPSK	819	15	0	3.035	/	Pass
	16QAM	819	15	0	3.035	/	Pass
5	QPSK	819	25	0	5.088	/	Pass
	16QAM	819	25	0	5.059	/	Pass
10	QPSK	819	50	0	10.372	/	Pass
	16QAM	819	27	0	6.535	/	Pass

3.2 Test Graph

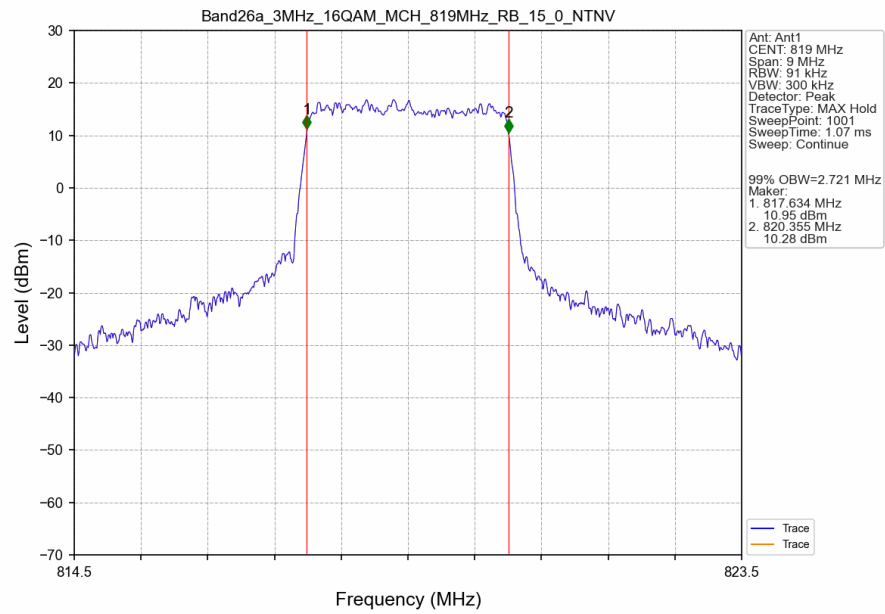
3.2.1 Band26a_OBW



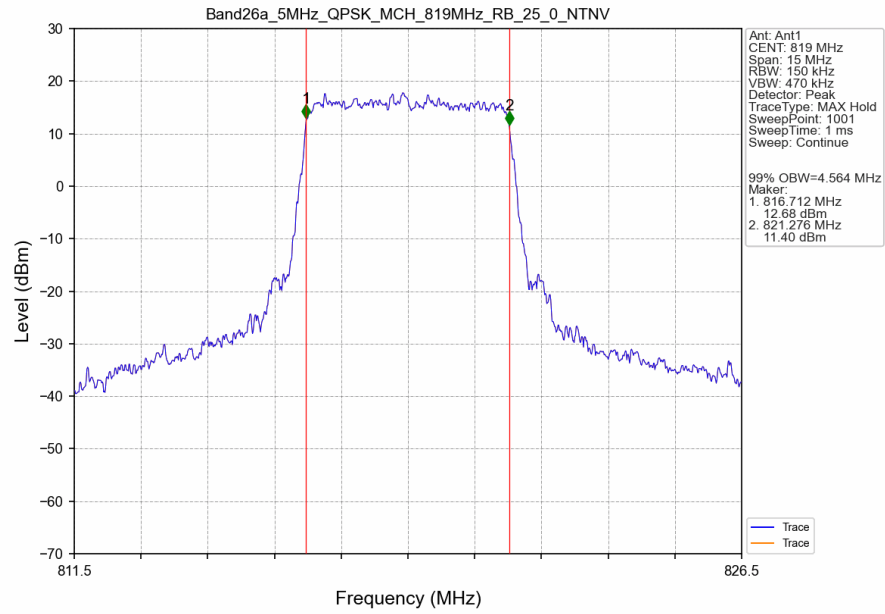
Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



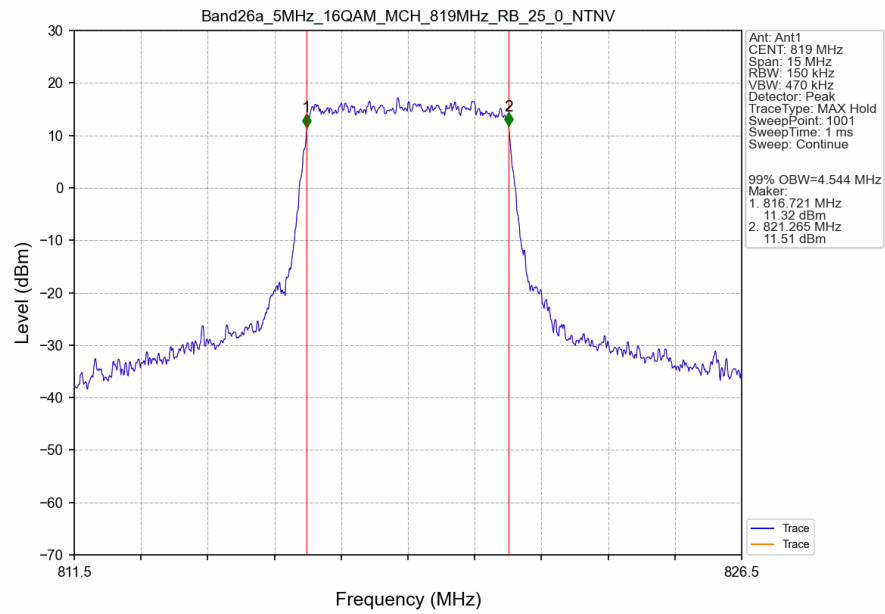
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



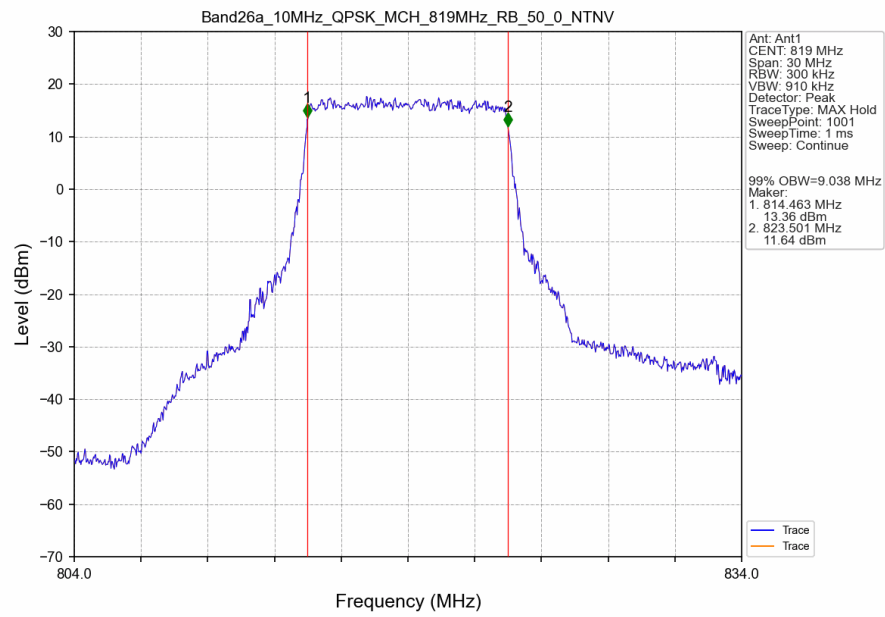
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



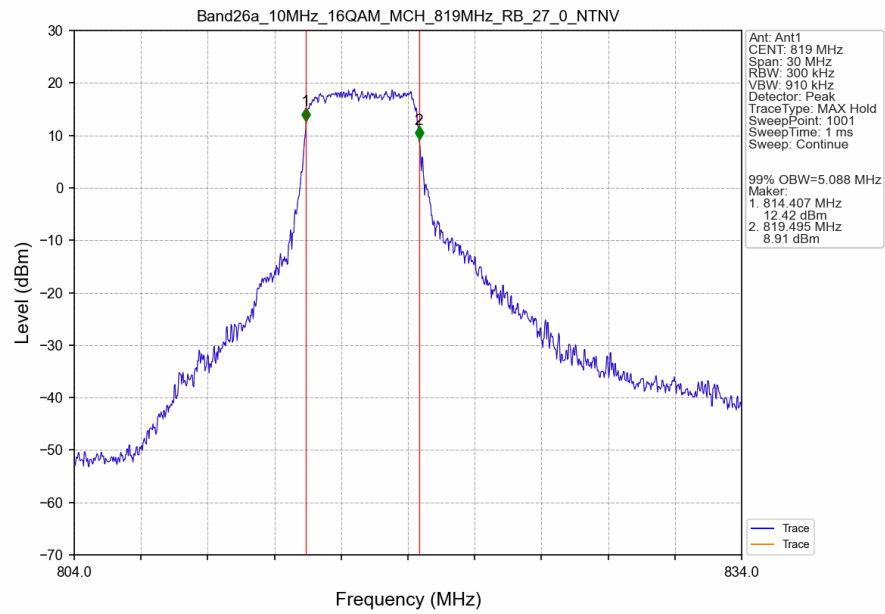
Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV



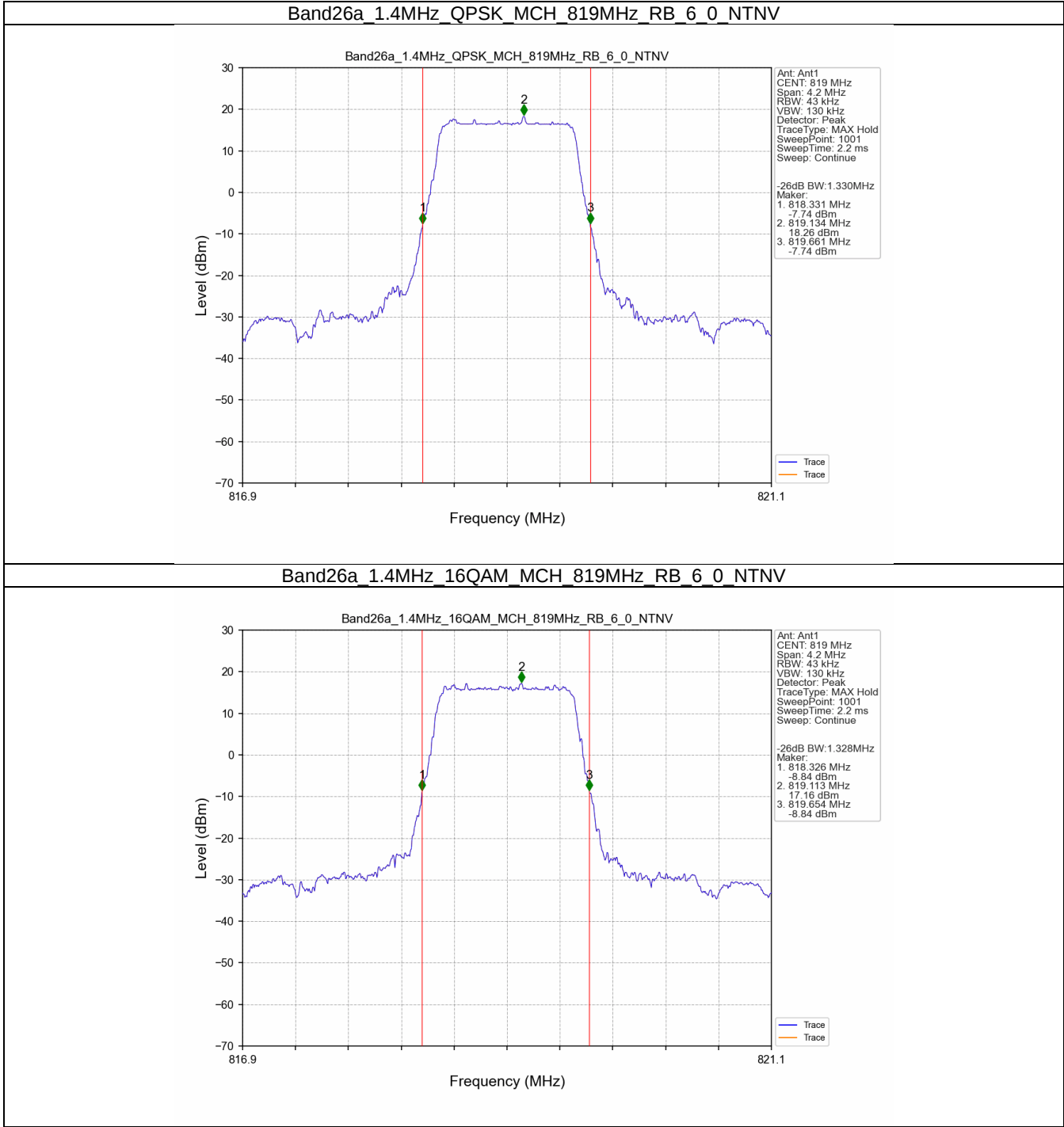
Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



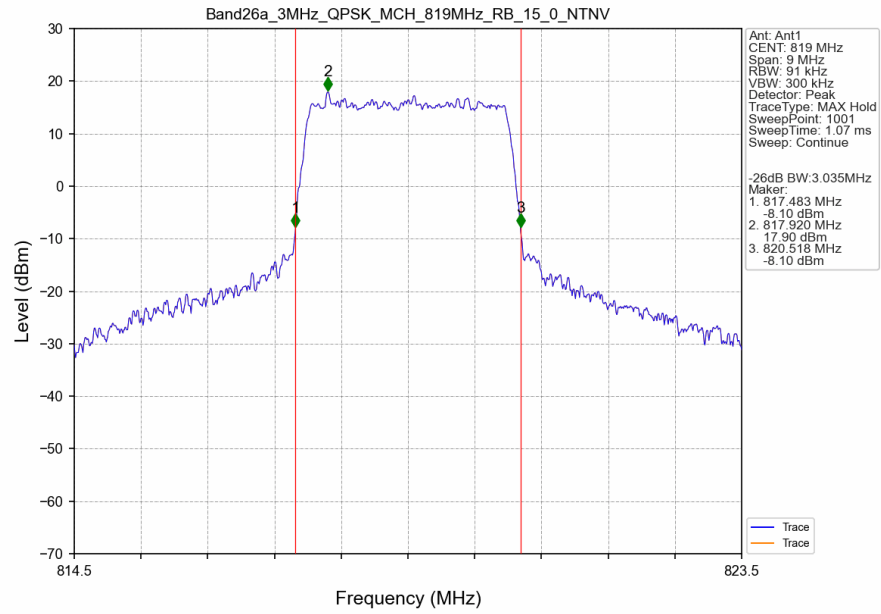
Band26a_10MHz_16QAM_MCH_819MHz_RB_27_0_NTNV



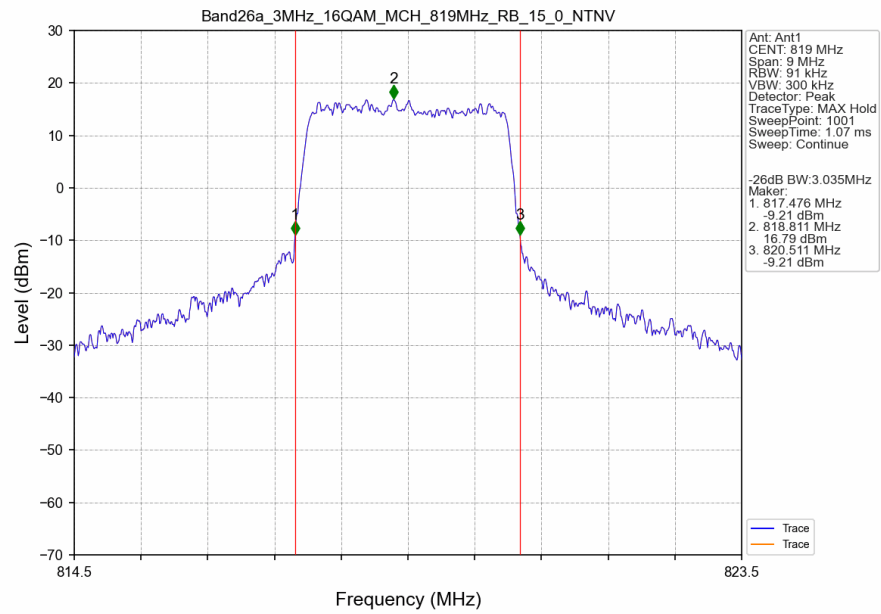
3.2.2 Band26a_XDB



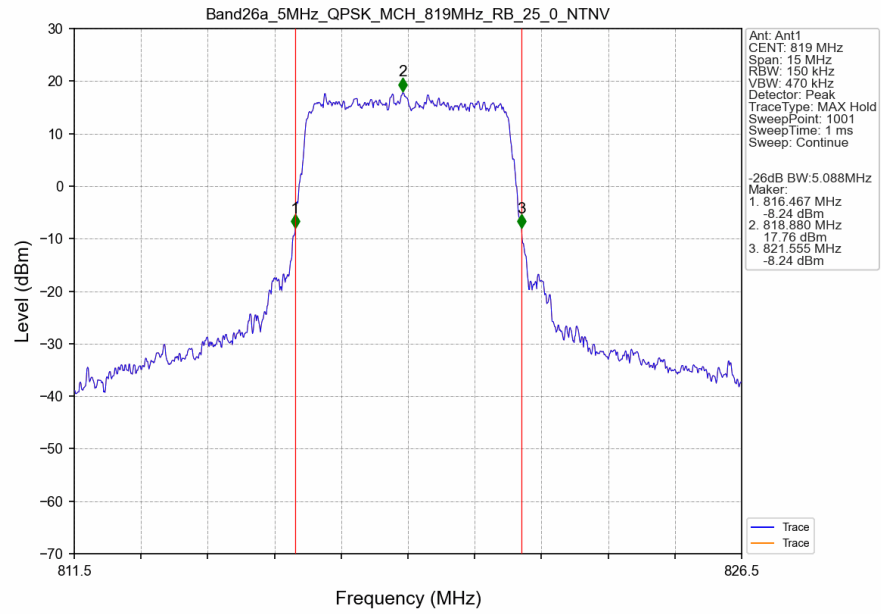
Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



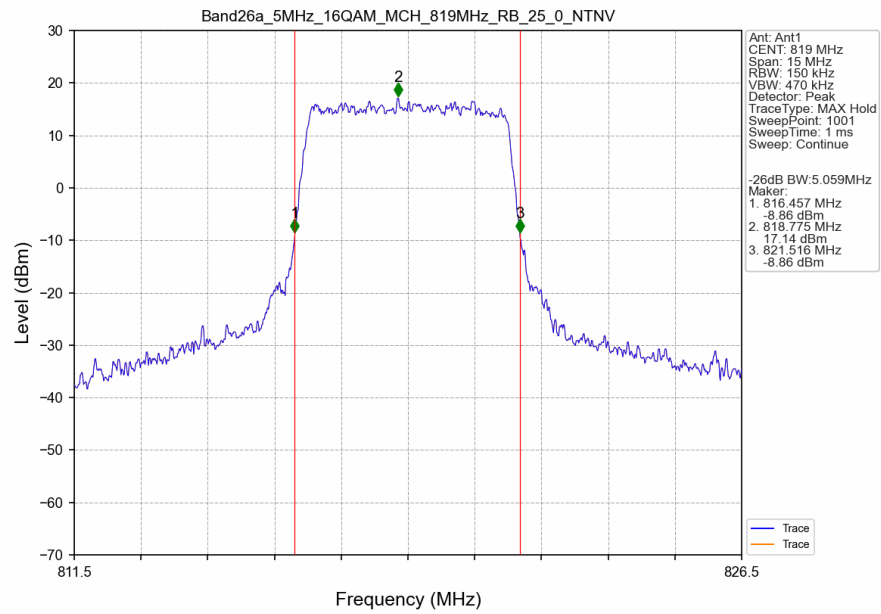
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



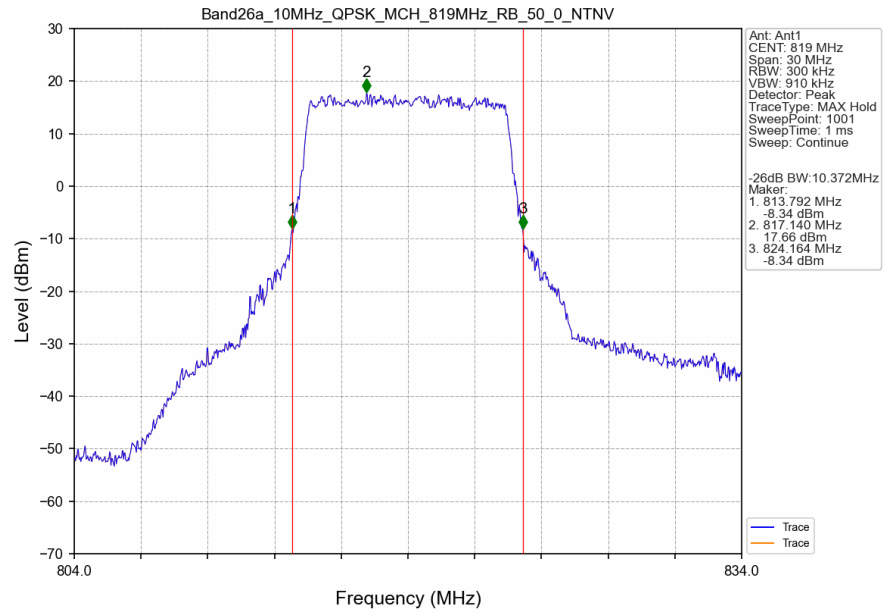
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



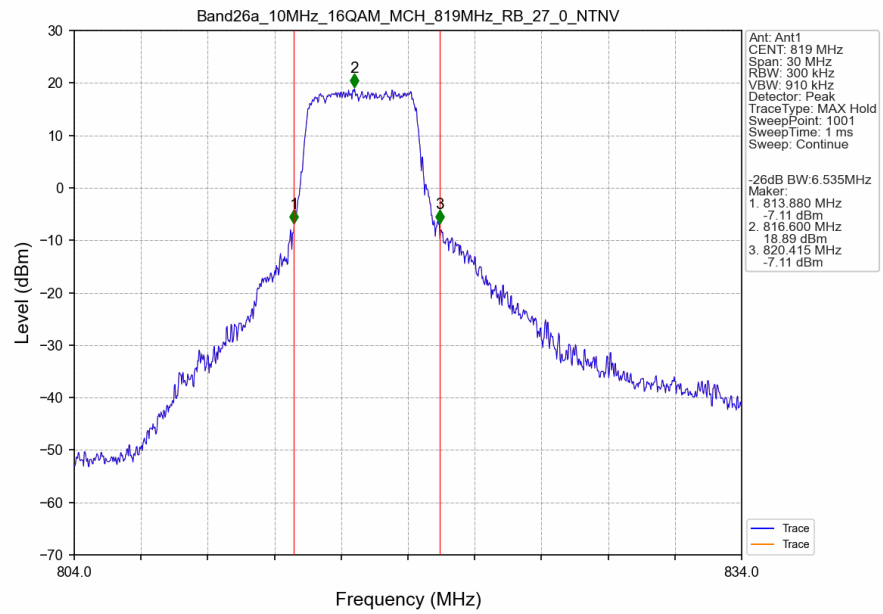
Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV



Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_16QAM_MCH_819MHz_RB_27_0_NTNV



4. Peak-Average Ratio

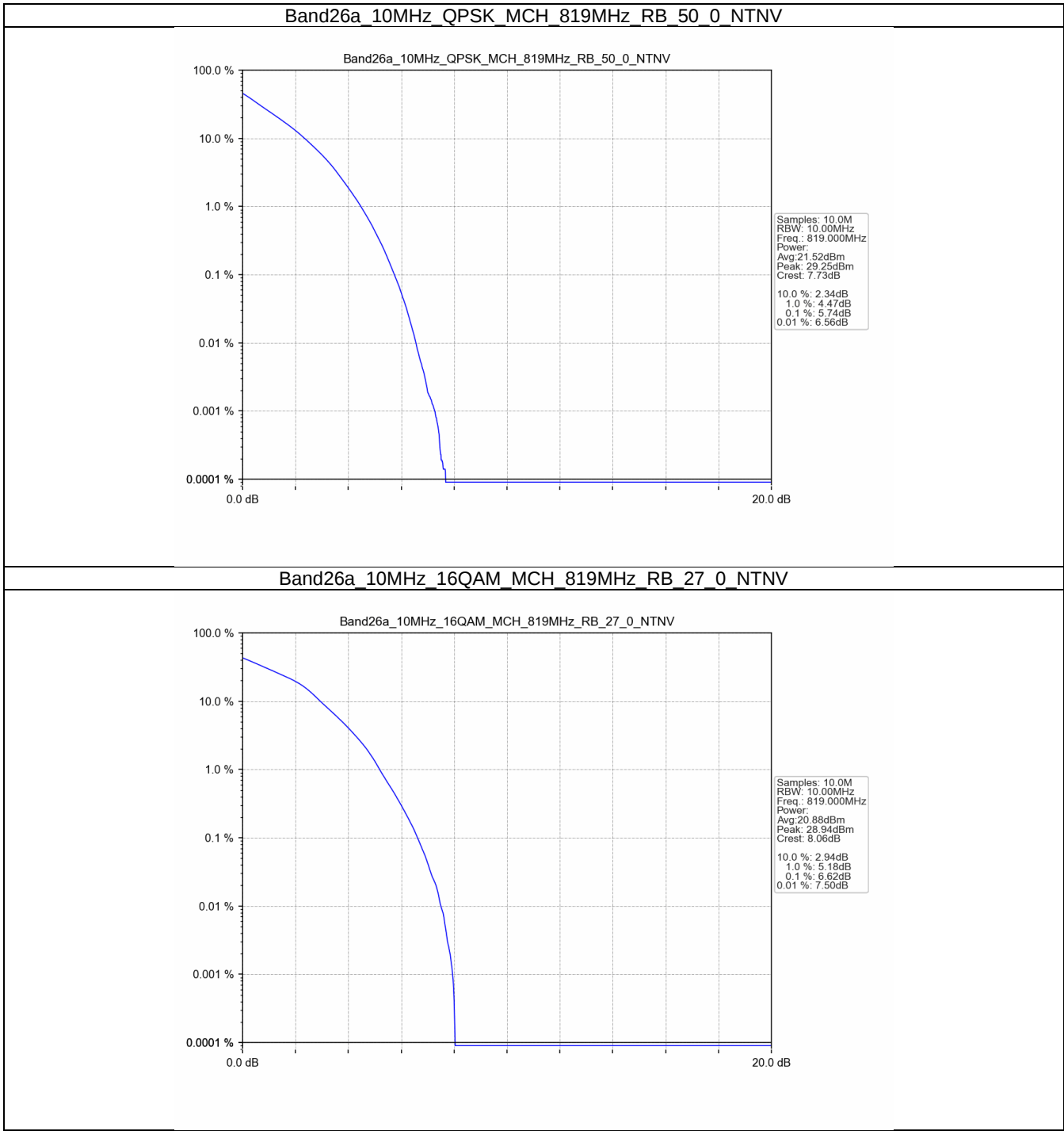
4.1 Test Result

4.1.1 B26a_10MHz

Band: 26a / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	819	50	0	5.74	<=13	Pass
16QAM	819	27	0	6.62	<=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	
	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

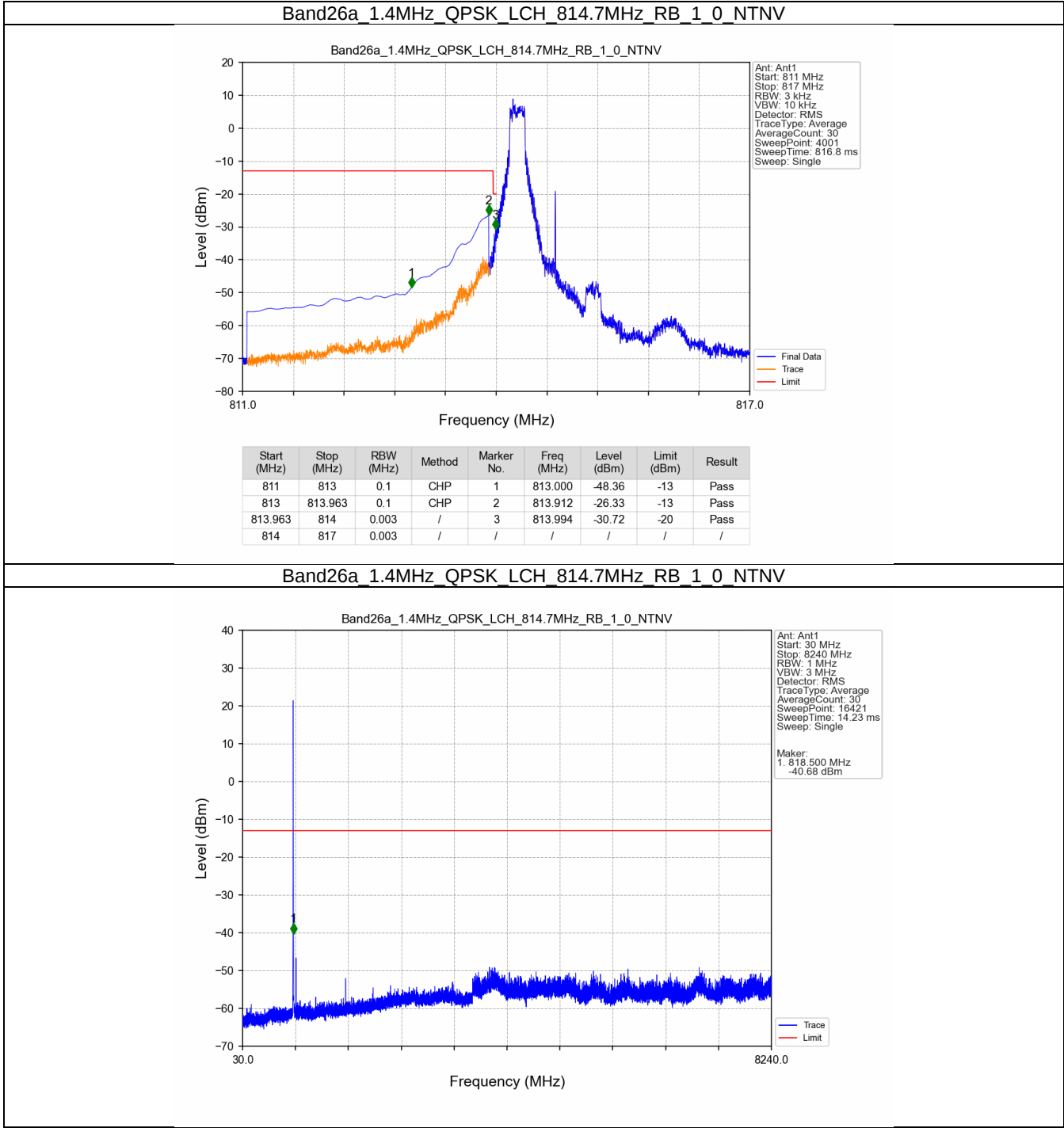
5.1.4 B26a_10MHz

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

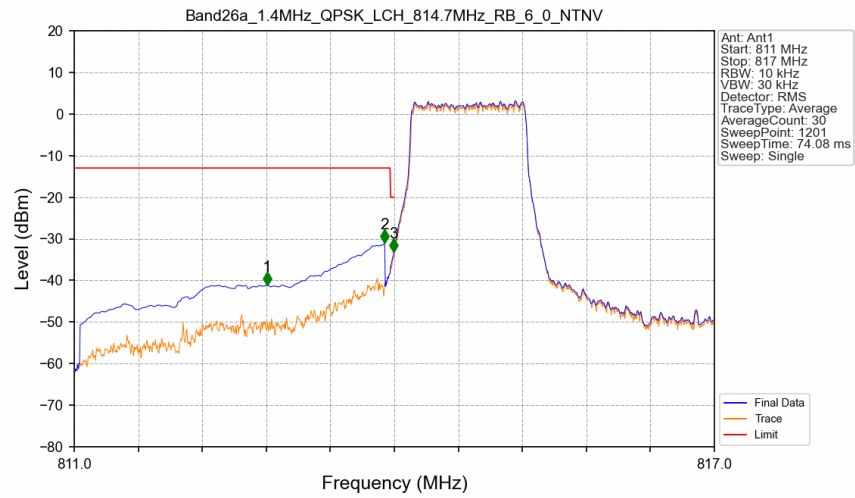
		50	0	Refer To Test Graph	Pass
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5.2 Test Graph

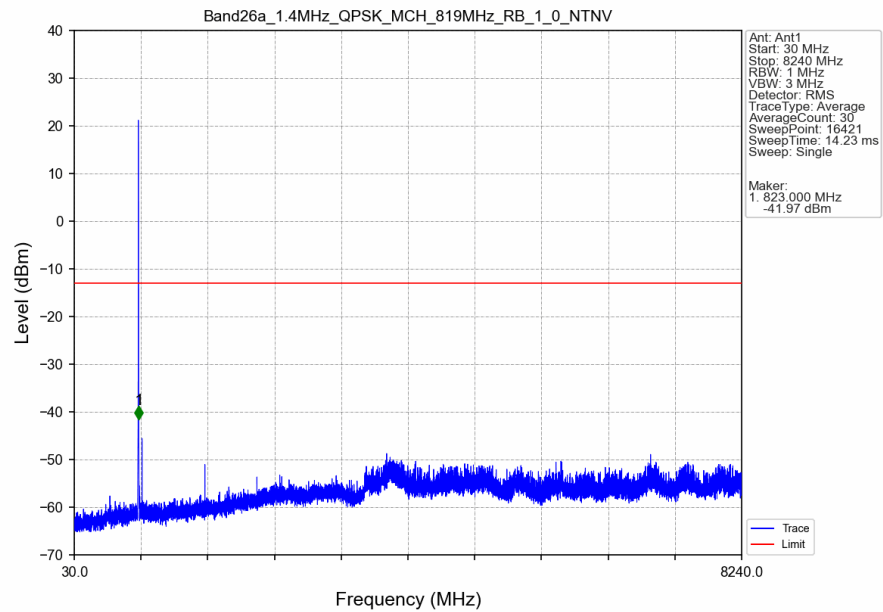
5.2.1 B26a_1.4MHz



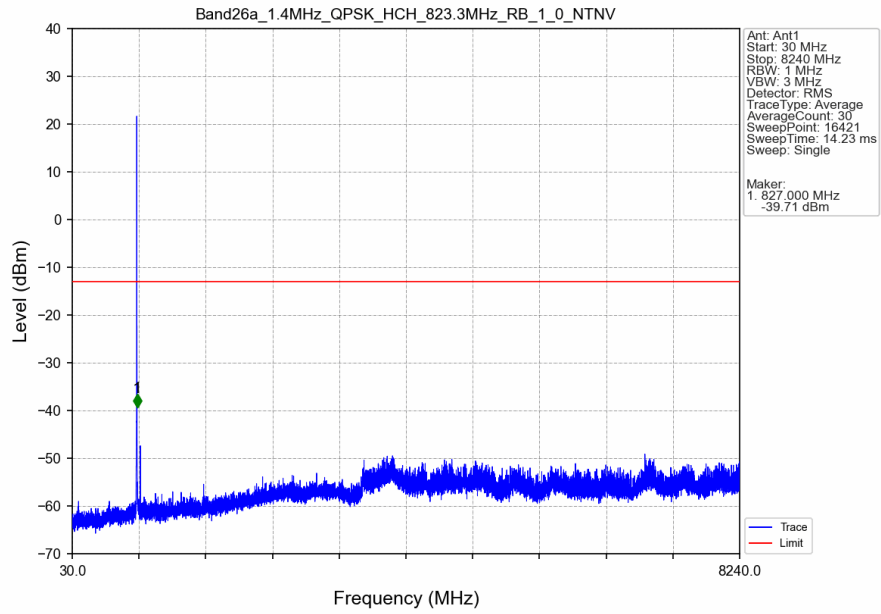
Band26a 1.4MHz QPSK LCH 814.7MHz RB 6 0 NTV



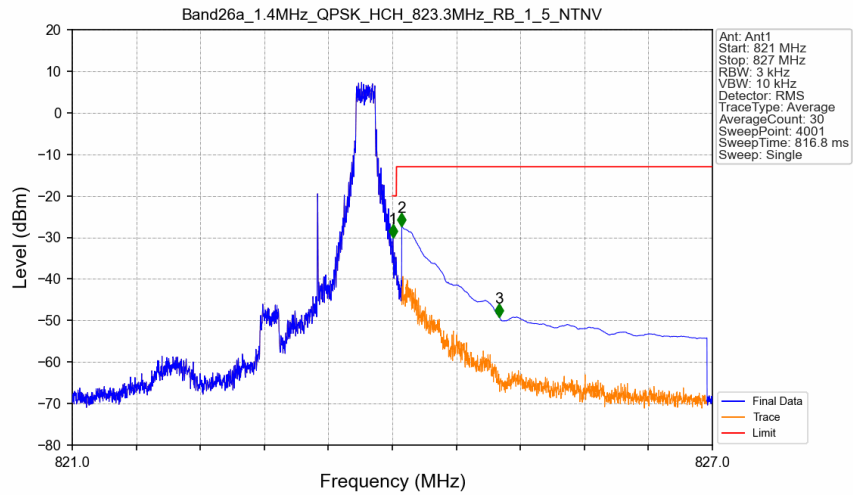
Band26a 1.4MHz QPSK MCH 819MHz RB 1 0 NTV



Band26a 1.4MHz QPSK HCH 823.3MHz RB 1 0 NTN

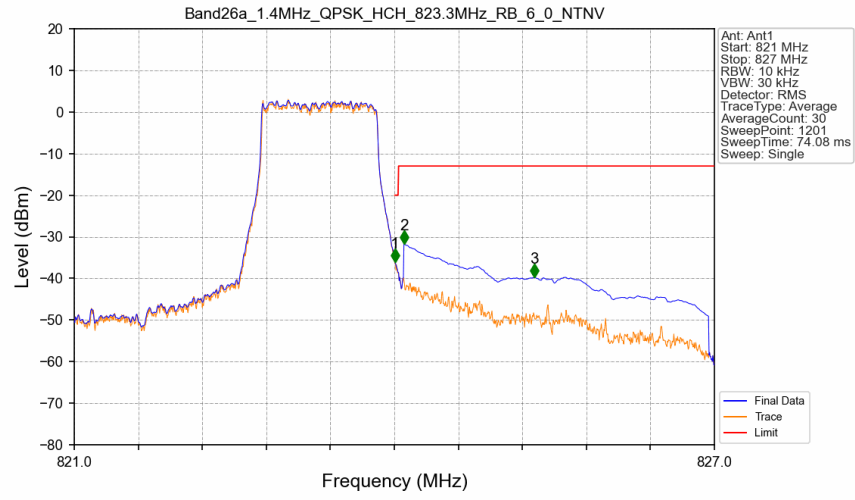


Band26a 1.4MHz QPSK HCH 823.3MHz RB 1 5 NTN



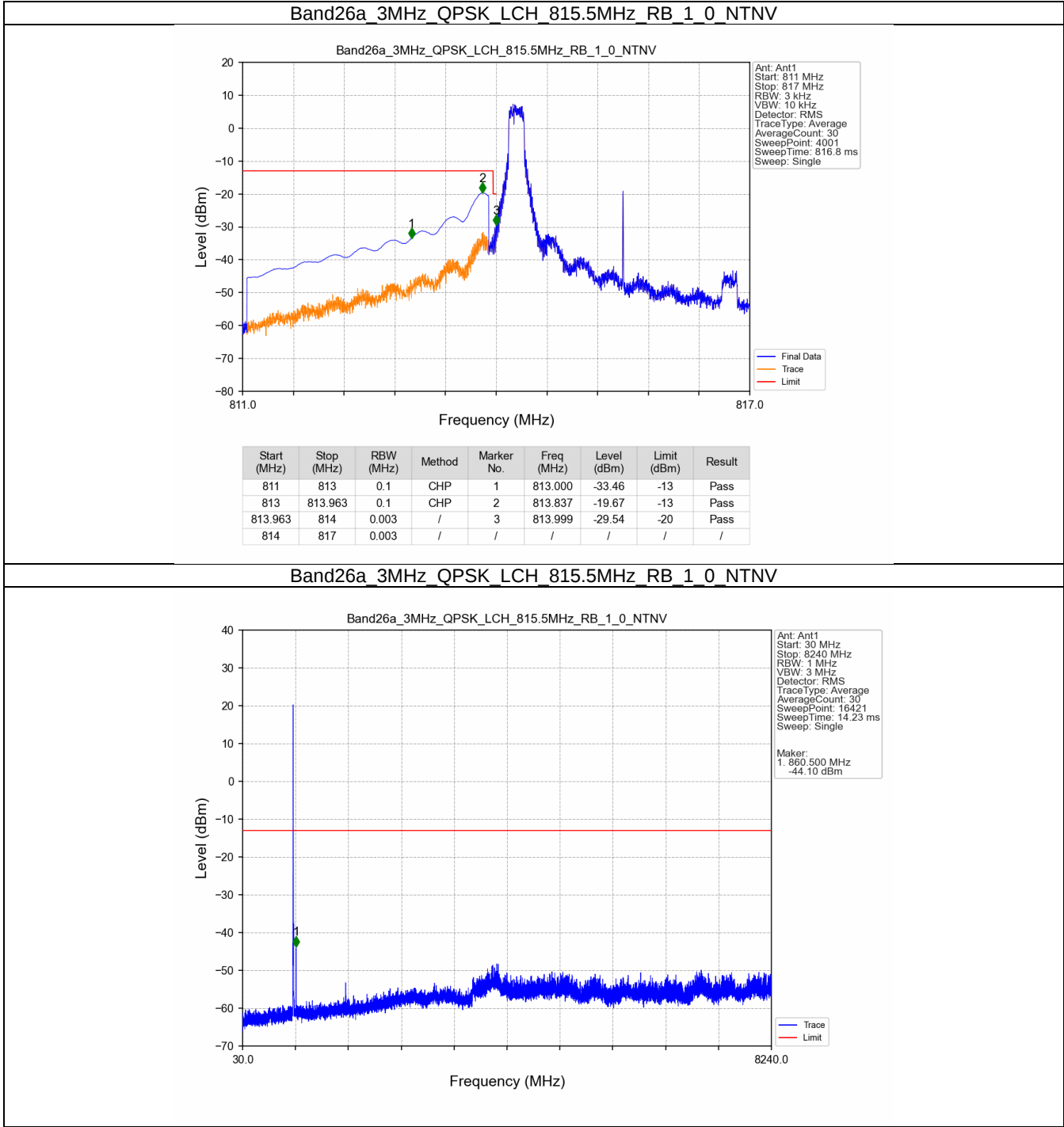
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.006	-29.98	-20	Pass
824.038	825	0.1	CHP	2	824.088	-27.38	-13	Pass
825	827	0.1	CHP	3	825.000	-49.09	-13	Pass

Band26a 1.4MHz QPSK HCH 823.3MHz RB 6 0 NTN

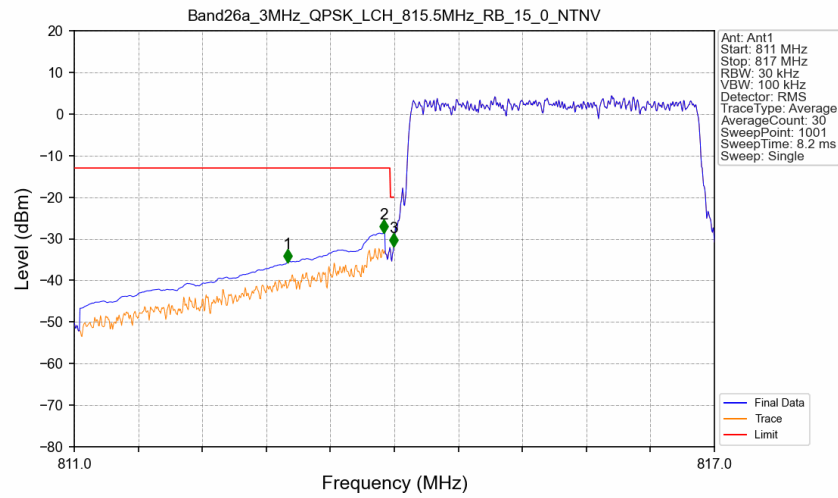


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.013	CHP	/	/	/	/	/
824	824.038	0.013	CHP	1	824.005	-36.11	-20	Pass
824.038	825	0.1	CHP	2	824.090	-31.68	-13	Pass
825	827	0.1	CHP	3	825.315	-39.75	-13	Pass

5.2.2 B26a_3MHz

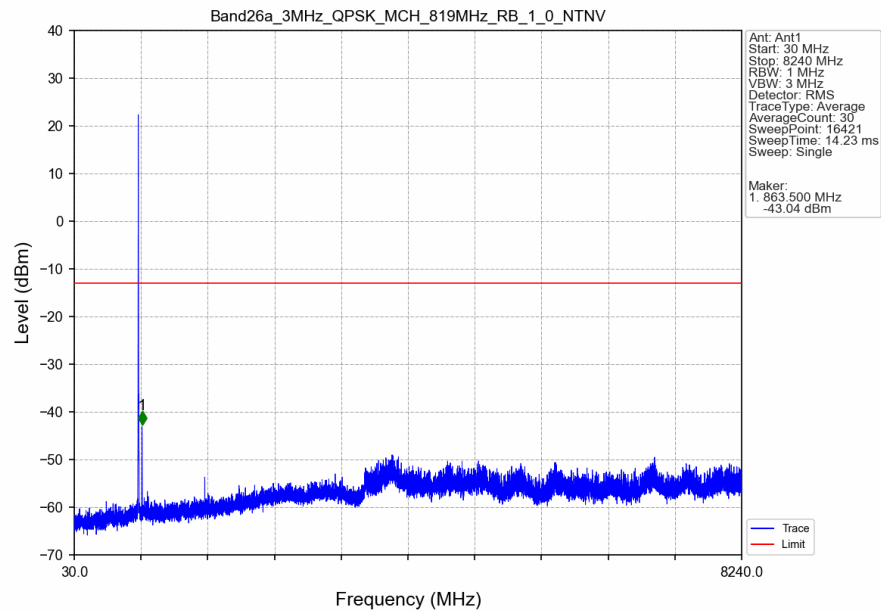


Band26a_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV

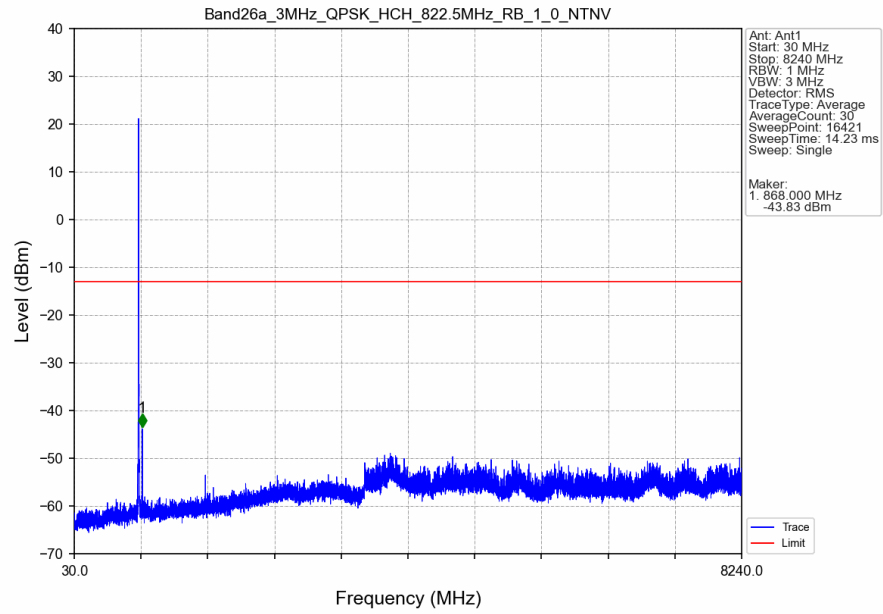


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	812.998	-35.66	-13	Pass
813	813.963	0.1	CHP	2	813.904	-28.62	-13	Pass
813.963	814	0.03	/	3	813.994	-31.79	-20	Pass
814	817	0.03	/	/	/	/	/	/

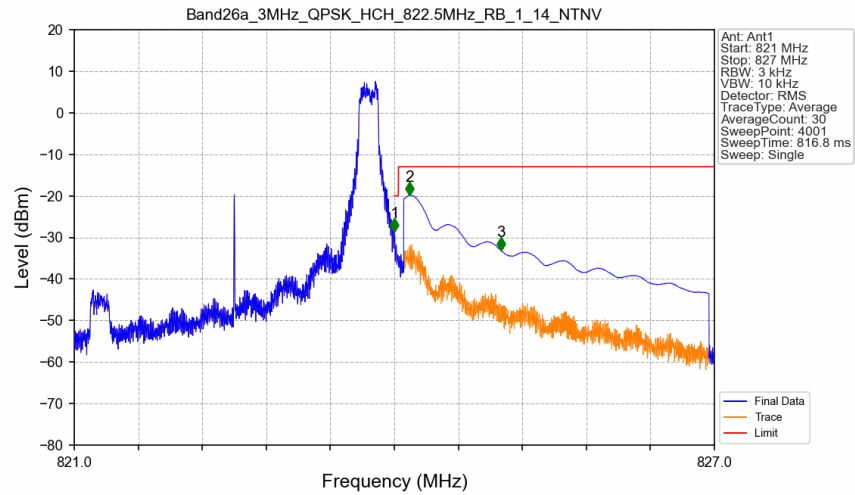
Band26a_3MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_0_NTNV

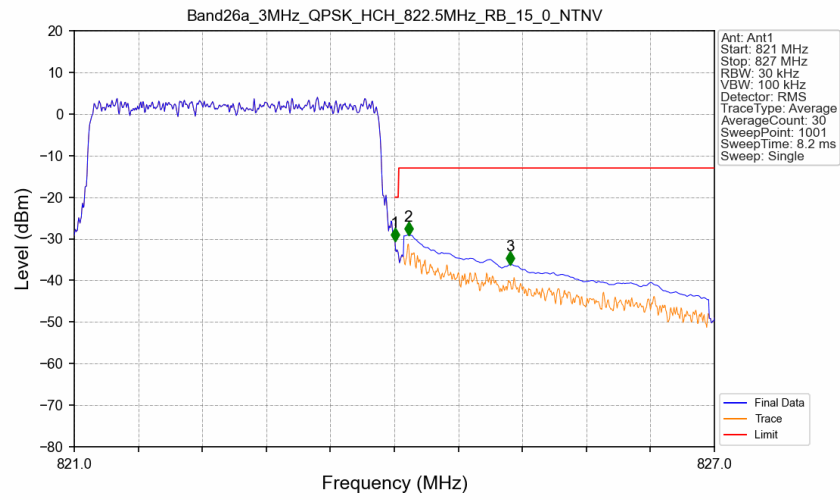


Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_14_NTNV



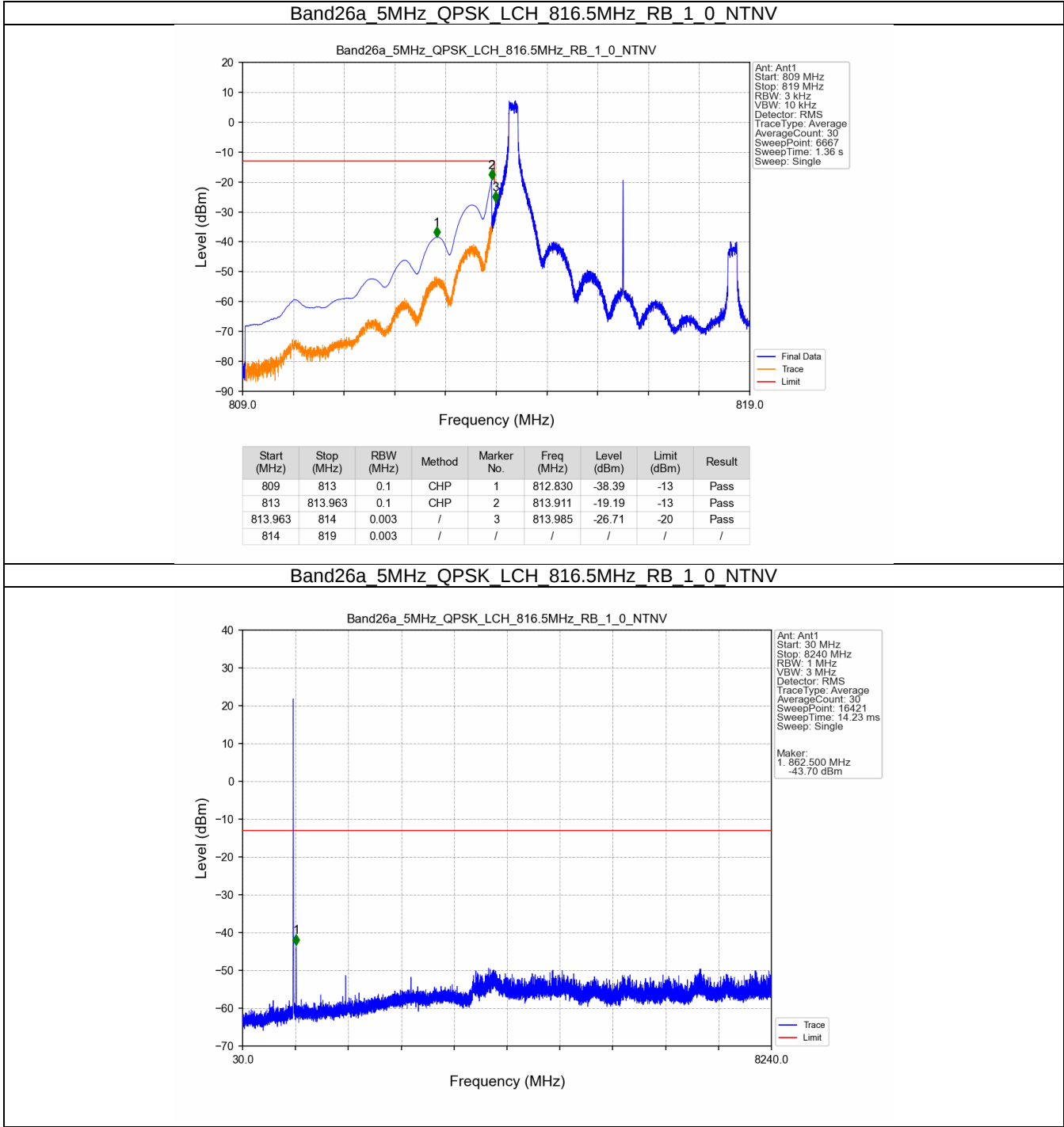
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.003	-28.62	-20	Pass
824.038	825	0.1	CHP	2	824.141	-19.75	-13	Pass
825	827	0.1	CHP	3	825.000	-33.16	-13	Pass

Band26a 3MHz QPSK HCH 822.5MHz RB 15 0 NTV

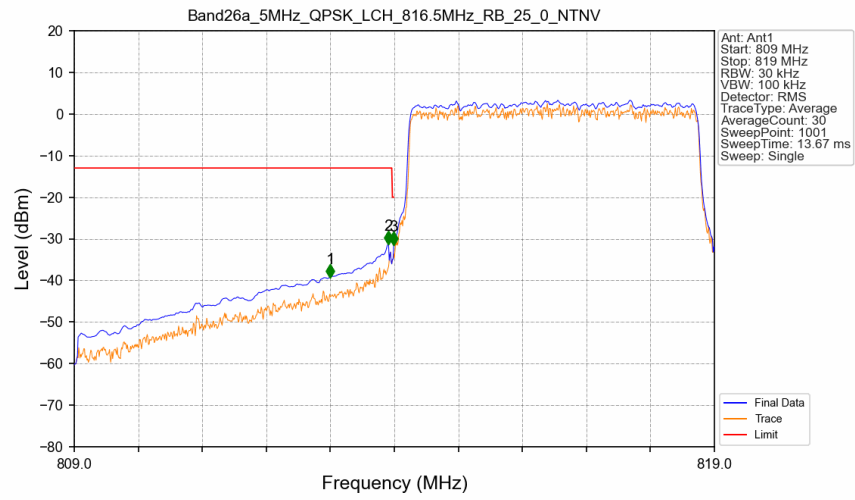


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.03	/	/	/	/	/	/
824	824.038	0.03	/	1	824.006	-30.63	-20	Pass
824.038	825	0.1	CHP	2	824.132	-29.07	-13	Pass
825	827	0.1	CHP	3	825.086	-36.21	-13	Pass

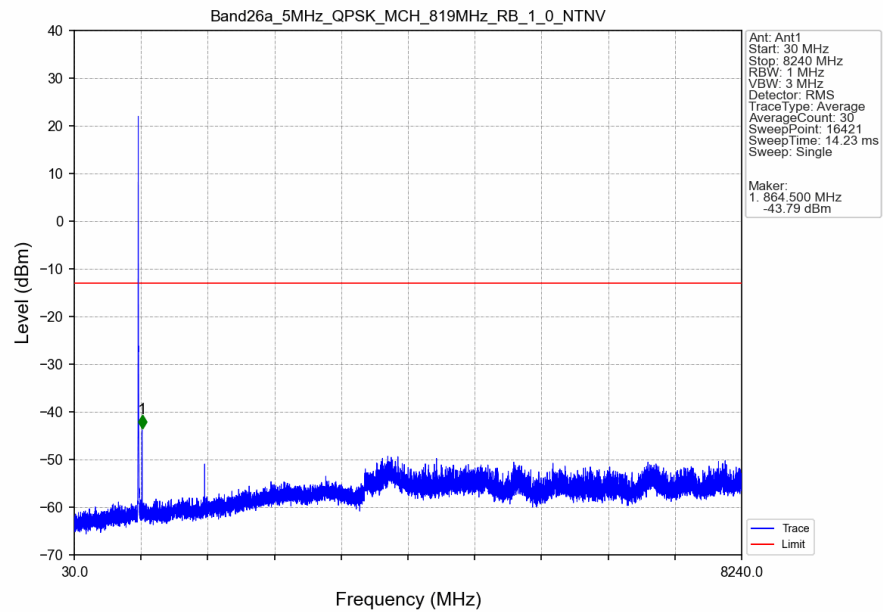
5.2.3 B26a_5MHz



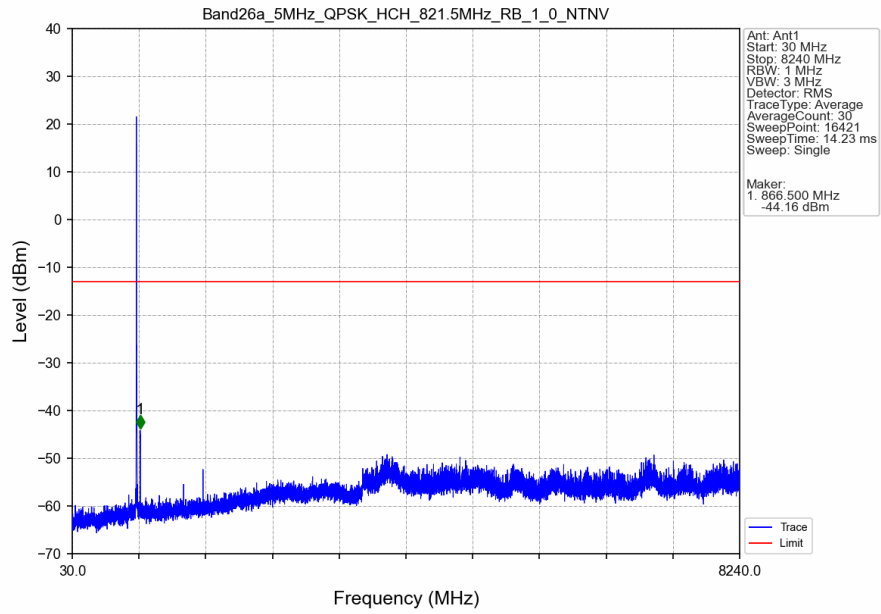
Band26a 5MHz QPSK LCH 816.5MHz RB 25 0 NTNV



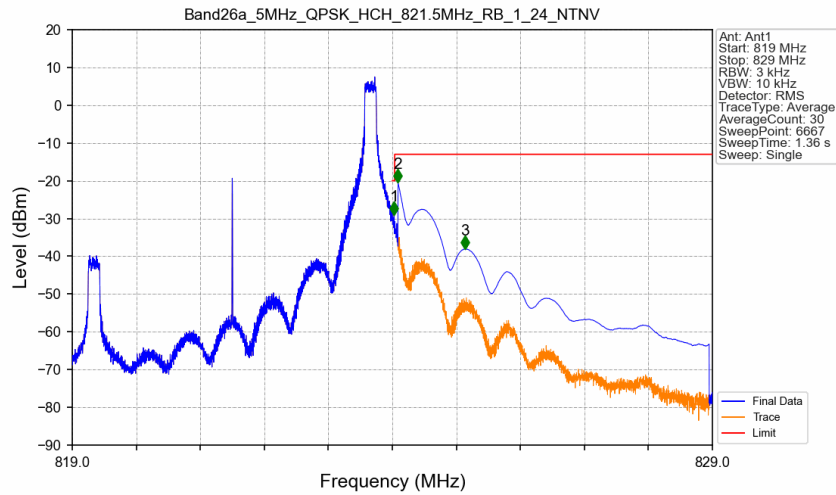
Band26a 5MHz QPSK MCH 819MHz RB 1 0 NTNV



Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_0_NTNV

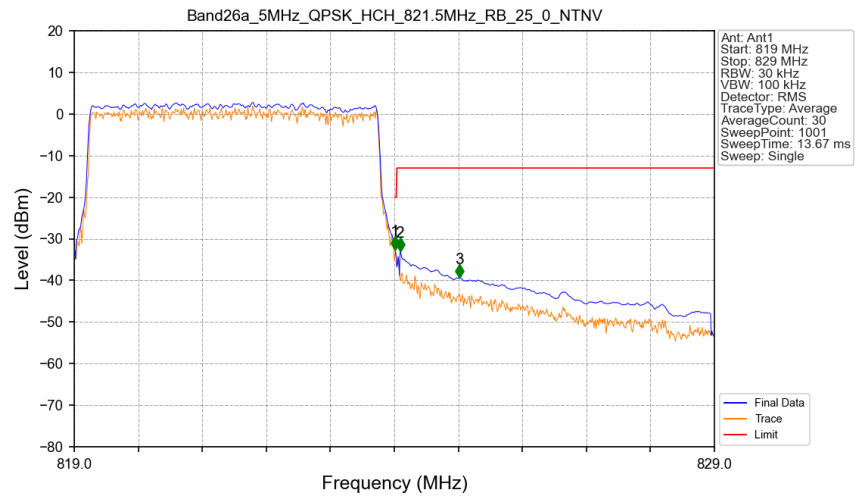


Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_24_NTNV



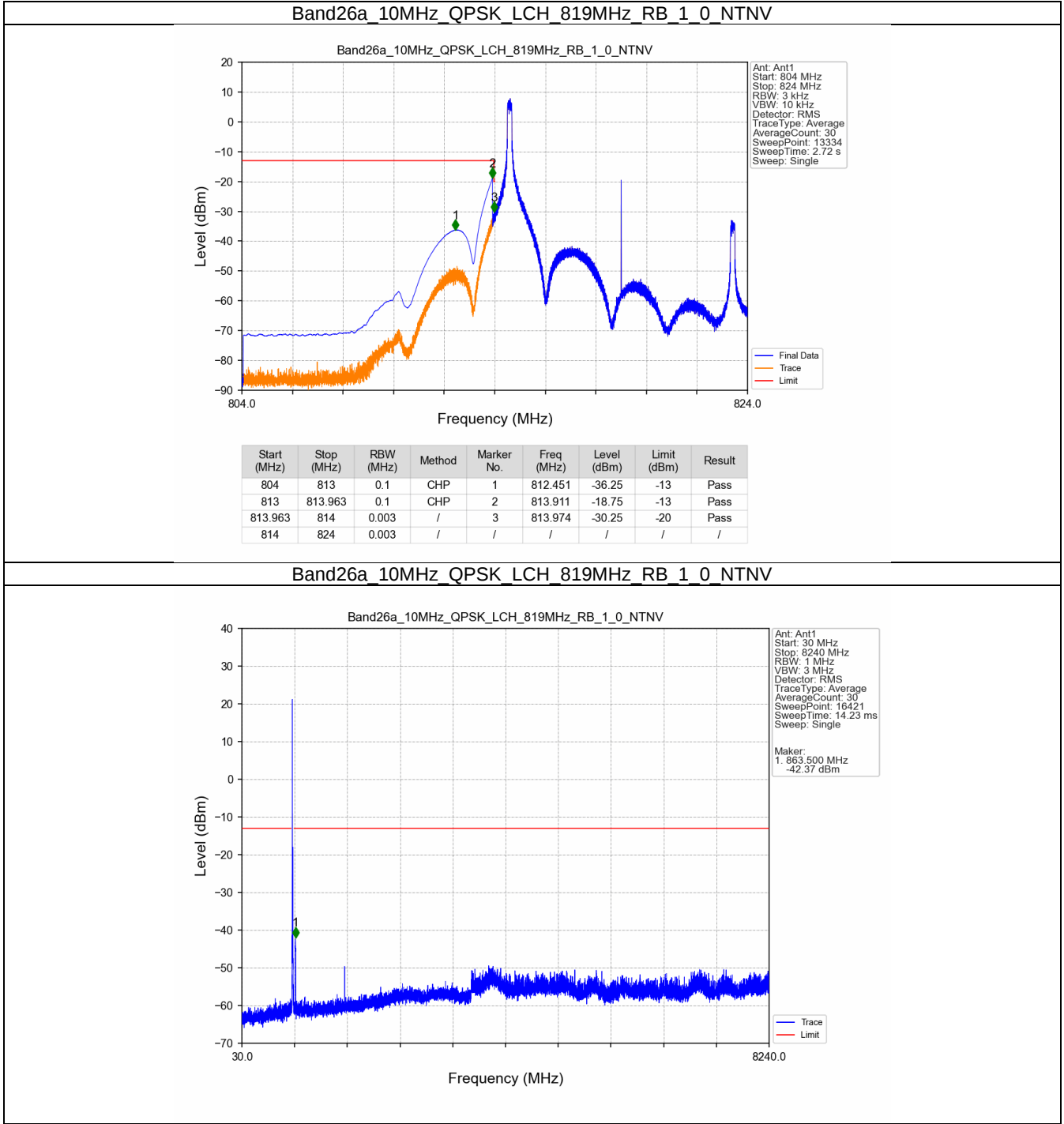
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.027	-29.01	-20	Pass
824.038	825	0.1	CHP	2	824.089	-20.42	-13	Pass
825	829	0.1	CHP	3	825.134	-38.07	-13	Pass

Band26a 5MHz QPSK HCH 821.5MHz RB 25 0 NTV

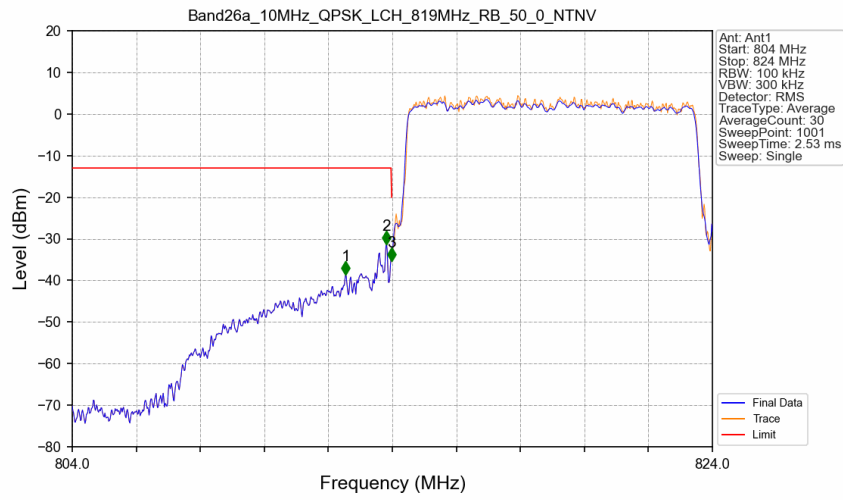


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.051	CHP	/	/	/	/	/
824	824.038	0.051	CHP	1	824.010	-32.52	-20	Pass
824.038	825	0.1	CHP	2	824.090	-32.95	-13	Pass
825	829	0.1	CHP	3	825.020	-39.31	-13	Pass

5.2.4 B26a_10MHz

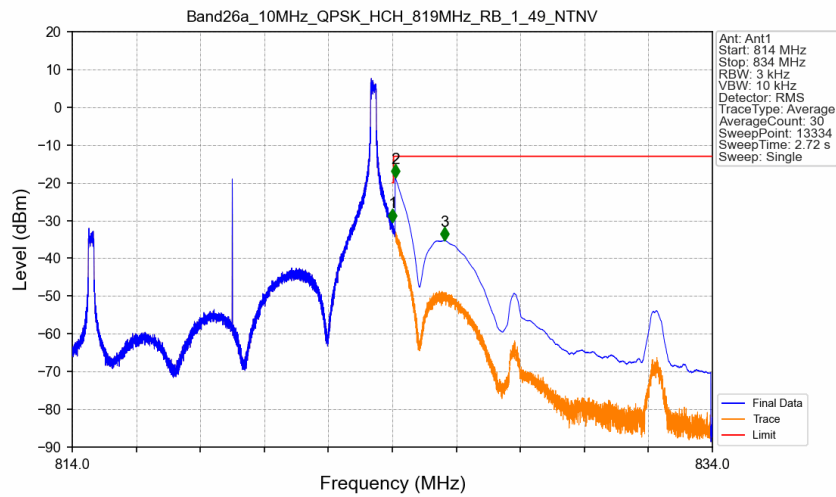


Band26a_10MHz_QPSK_LCH_819MHz_RB_50_0_NTNV



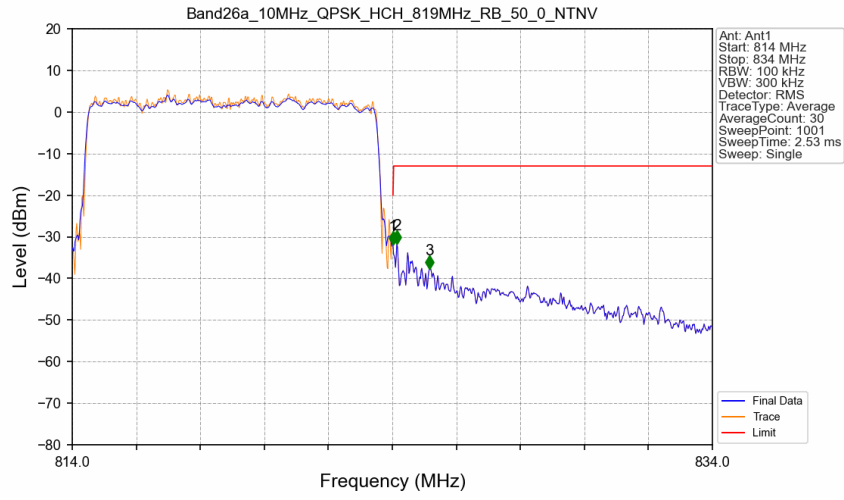
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
804	813	0.1	/	1	812.540	-38.57	-13	Pass
813	813.963	0.1	/	2	813.820	-31.23	-13	Pass
813.963	814	0.104	/	3	813.980	-35.29	-20	Pass
814	824	0.104	CHP	/	/	/	/	/

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	824.011	-30.33	-20	Pass
824.038	825	0.1	CHP	2	824.088	-18.63	-13	Pass
825	834	0.1	CHP	3	825.628	-35.30	-13	Pass

Band26a_10MHz_QPSK_HCH_819MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.104	CHP	/	/	/	/	/
824	824.038	0.104	CHP	1	824.020	-31.91	-20	Pass
824.038	825	0.1	/	2	824.140	-31.67	-13	Pass
825	834	0.1	/	3	825.160	-37.66	-13	Pass