

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B26a_1.4MHz

Band: 26a / Bandwidth: 1.4MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict
		Size	Offset	Result	Limit	
QPSK	814.7	1	0	21.18	<=50	Pass
			2	21.29	<=50	Pass
			5	21.14	<=50	Pass
		3	0	21.15	<=50	Pass
			2	21.18	<=50	Pass
			3	21.11	<=50	Pass
		6	0	20.28	<=50	Pass
	819	1	0	22.67	<=50	Pass
			2	22.83	<=50	Pass
			5	22.69	<=50	Pass
		3	0	22.66	<=50	Pass
			2	22.76	<=50	Pass
			3	22.69	<=50	Pass
		6	0	21.75	<=50	Pass
	823.3	1	0	22.62	<=50	Pass
			2	22.81	<=50	Pass
			5	22.57	<=50	Pass
		3	0	22.72	<=50	Pass
			2	22.71	<=50	Pass
			3	22.64	<=50	Pass
		6	0	21.79	<=50	Pass
16QAM	814.7	1	0	20.28	<=50	Pass
			2	20.44	<=50	Pass
			5	20.31	<=50	Pass
		3	0	20.24	<=50	Pass
			2	20.31	<=50	Pass
			3	20.22	<=50	Pass
		6	0	18.06	<=50	Pass
	819	1	0	21.62	<=50	Pass
			2	21.79	<=50	Pass
			5	21.70	<=50	Pass
		3	0	21.63	<=50	Pass
			2	21.73	<=50	Pass
			3	21.69	<=50	Pass
		6	0	20.68	<=50	Pass
	823.3	1	0	21.60	<=50	Pass
			2	21.66	<=50	Pass
			5	21.46	<=50	Pass
		3	0	21.85	<=50	Pass
			2	21.84	<=50	Pass
			3	21.76	<=50	Pass
		6	0	20.75	<=50	Pass

1.1.2 B26a_3MHz

Band: 26a / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict
		Size	Offset	Result	Limit	
QPSK	815.5	1	0	21.01	<=50	Pass
			7	21.21	<=50	Pass
			14	20.84	<=50	Pass
		8	0	20.22	<=50	Pass
			4	20.21	<=50	Pass
			7	20.08	<=50	Pass
		15	0	20.10	<=50	Pass
	819	1	0	20.98	<=50	Pass
			7	22.84	<=50	Pass
			14	22.43	<=50	Pass
		8	0	21.75	<=50	Pass
			4	21.82	<=50	Pass
			7	21.74	<=50	Pass
		15	0	21.73	<=50	Pass
	822.5	1	0	22.49	<=50	Pass
			7	22.75	<=50	Pass
			14	22.31	<=50	Pass
		8	0	21.75	<=50	Pass
			4	21.86	<=50	Pass
			7	21.75	<=50	Pass
		15	0	21.75	<=50	Pass
16QAM	815.5	1	0	19.99	<=50	Pass
			7	20.20	<=50	Pass
			14	19.95	<=50	Pass
		8	0	17.51	<=50	Pass
			4	17.51	<=50	Pass
			7	17.38	<=50	Pass
		15	0	17.37	<=50	Pass
	819	1	0	19.93	<=50	Pass
			7	21.70	<=50	Pass
			14	21.29	<=50	Pass
		8	0	20.74	<=50	Pass
			4	20.81	<=50	Pass
			7	20.73	<=50	Pass
		15	0	20.73	<=50	Pass
	822.5	1	0	21.77	<=50	Pass
			7	22.04	<=50	Pass
			14	21.58	<=50	Pass
		8	0	20.77	<=50	Pass
			4	20.86	<=50	Pass
			7	20.77	<=50	Pass
		15	0	20.69	<=50	Pass

1.1.3 B26a_5MHz

Band: 26a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	1	0	21.37	<=50	Pass
			13	21.20	<=50	Pass
			24	22.62	<=50	Pass
		12	0	20.41	<=50	Pass

		25	6	20.29	<=50	Pass
			13	21.76	<=50	Pass
			0	21.79	<=50	Pass
	819	1	0	21.34	<=50	Pass
			13	22.74	<=50	Pass
			24	22.55	<=50	Pass
		12	0	21.78	<=50	Pass
			6	21.79	<=50	Pass
			13	21.77	<=50	Pass
		25	0	21.77	<=50	Pass
	821.5	1	0	22.88	<=50	Pass
			13	22.64	<=50	Pass
			24	22.55	<=50	Pass
		12	0	21.81	<=50	Pass
			6	21.75	<=50	Pass
			13	21.77	<=50	Pass
		25	0	21.78	<=50	Pass
16QAM	816.5	1	0	20.64	<=50	Pass
			13	20.47	<=50	Pass
			24	21.90	<=50	Pass
		12	0	17.82	<=50	Pass
			6	17.70	<=50	Pass
			13	20.84	<=50	Pass
		25	0	20.92	<=50	Pass
	819	1	0	20.47	<=50	Pass
			13	21.91	<=50	Pass
			24	21.74	<=50	Pass
		12	0	20.78	<=50	Pass
			6	20.81	<=50	Pass
			13	20.77	<=50	Pass
		25	0	20.79	<=50	Pass
	821.5	1	0	22.10	<=50	Pass
			13	21.89	<=50	Pass
			24	21.84	<=50	Pass
		12	0	20.82	<=50	Pass
			6	20.75	<=50	Pass
			13	20.78	<=50	Pass
		25	0	20.84	<=50	Pass

1.1.4 B26a_10MHz

Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict
		Size	Offset	Result	Limit	
QPSK	819	1	0	21.52	<=50	Pass
			25	22.72	<=50	Pass
			49	22.59	<=50	Pass
		25	0	21.81	<=50	Pass
			13	21.75	<=50	Pass
			25	21.75	<=50	Pass
		50	0	21.77	<=50	Pass
16QAM	819	1	0	20.77	<=50	Pass
			25	21.99	<=50	Pass
			49	21.86	<=50	Pass
		12	0	20.53	<=50	Pass

		27	19	21.77	<=50	Pass
			38	21.79	<=50	Pass
			0	20.77	<=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	-1.302	-0.0016	-2.5 to 2.5	Pass
					NV	-1.631	-0.0020	-2.5 to 2.5	Pass
					HV	-0.572	-0.0007	-2.5 to 2.5	Pass
				-30	NV	-0.558	-0.0007	-2.5 to 2.5	Pass
				-20	NV	-1.059	-0.0013	-2.5 to 2.5	Pass
				-10	NV	-0.401	-0.0005	-2.5 to 2.5	Pass
				0	NV	-0.386	-0.0005	-2.5 to 2.5	Pass
				10	NV	-0.157	-0.0002	-2.5 to 2.5	Pass
				30	NV	-0.129	-0.0002	-2.5 to 2.5	Pass
				40	NV	-0.172	-0.0002	-2.5 to 2.5	Pass
				50	NV	-0.186	-0.0002	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band26a_OBW

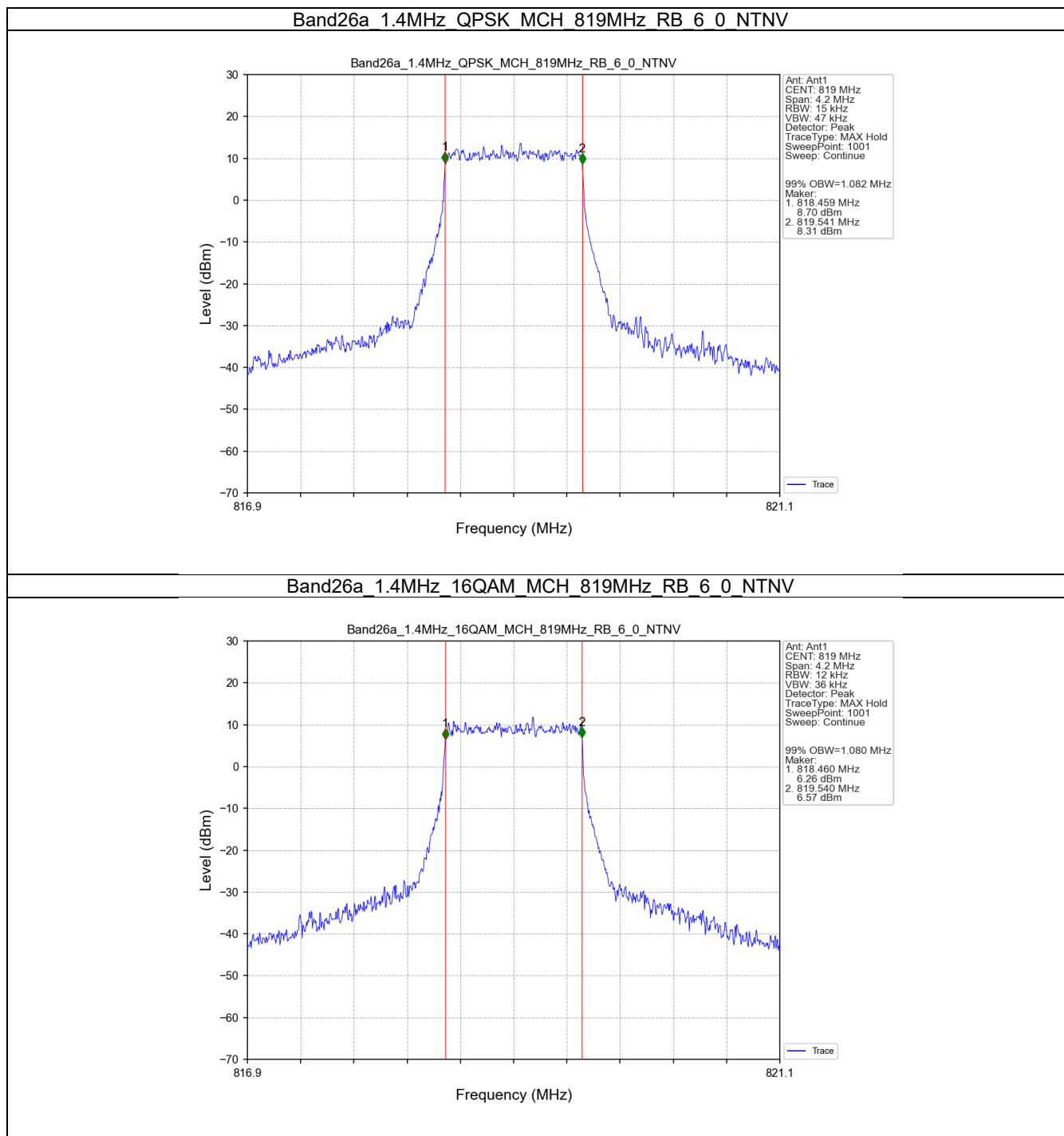
Band: 26a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	819	6	0	1.082	/	Pass
	16QAM	819	6	0	1.080	/	Pass
3	QPSK	819	15	0	2.759	/	Pass
	16QAM	819	15	0	2.745	/	Pass
5	QPSK	819	25	0	4.725	/	Pass
	16QAM	819	25	0	4.643	/	Pass
10	QPSK	819	50	0	9.058	/	Pass
	16QAM	819	27	0	5.031	/	Pass

3.1.2 Band26a_XDB

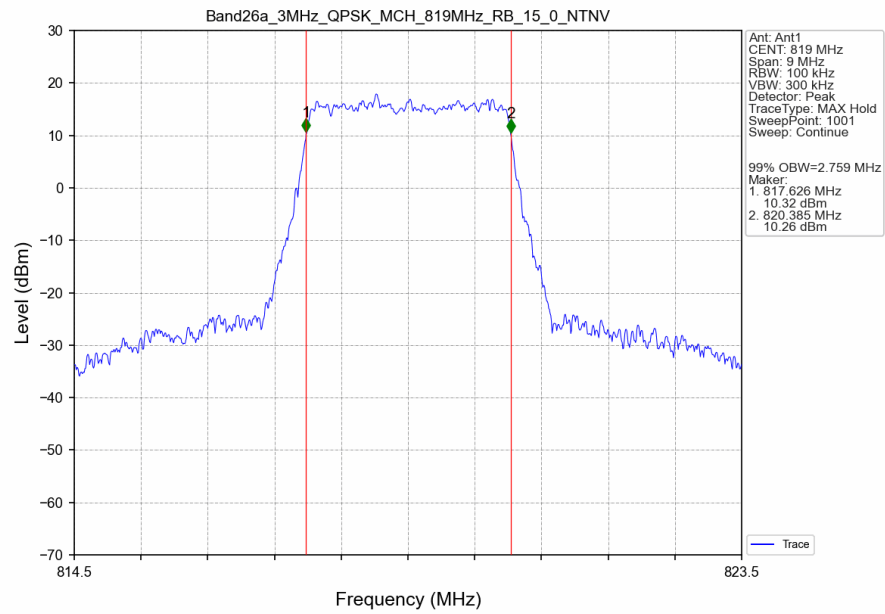
Band: 26a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	819	6	0	1.251	/	Pass
	16QAM	819	6	0	1.252	/	Pass
3	QPSK	819	15	0	3.240	/	Pass
	16QAM	819	15	0	3.234	/	Pass
5	QPSK	819	25	0	6.052	/	Pass
	16QAM	819	25	0	5.694	/	Pass
10	QPSK	819	50	0	10.706	/	Pass
	16QAM	819	27	0	6.455	/	Pass

3.2 Test Graph

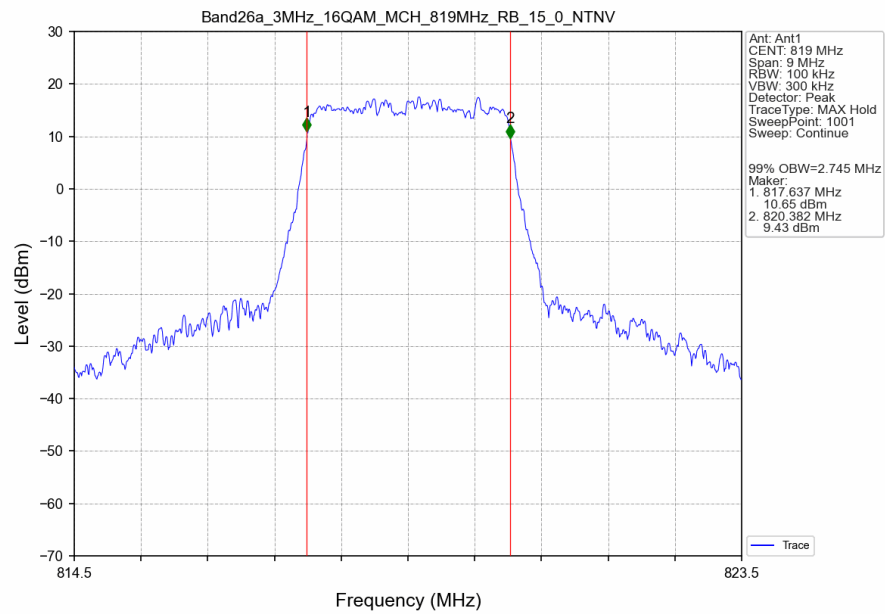
3.2.1 Band26a_OBW



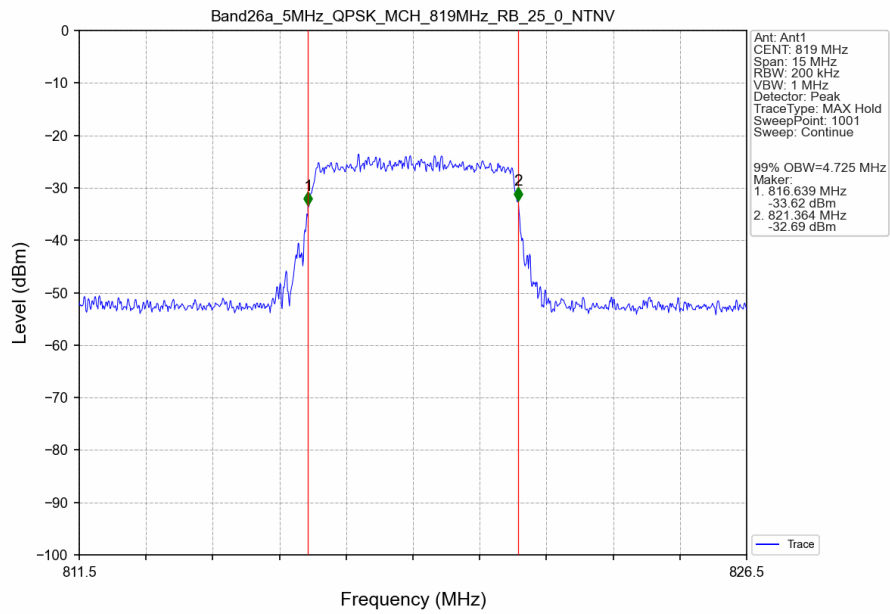
Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



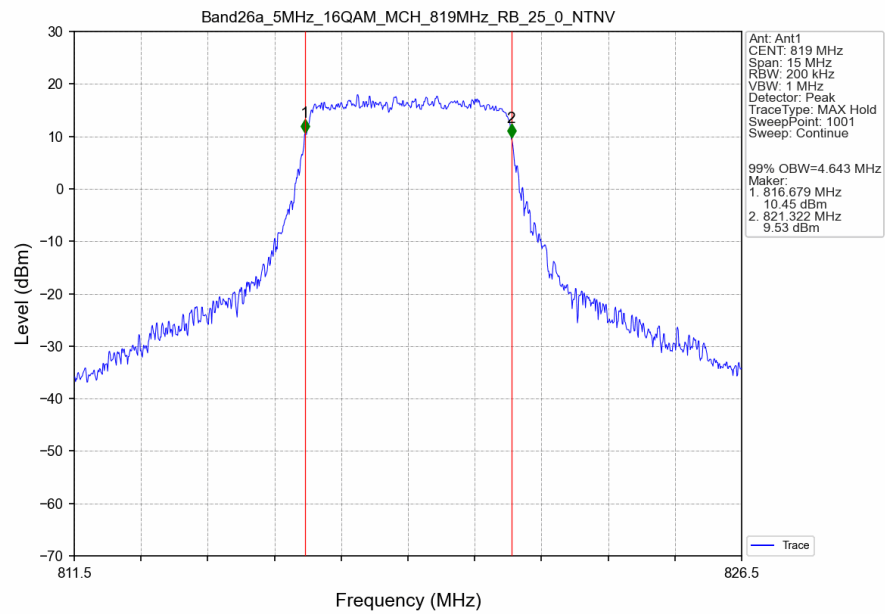
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



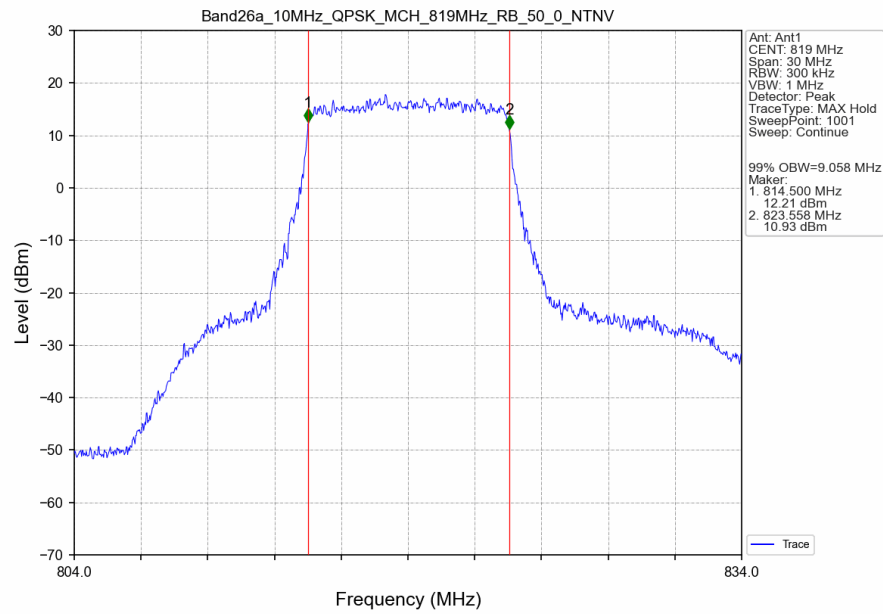
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



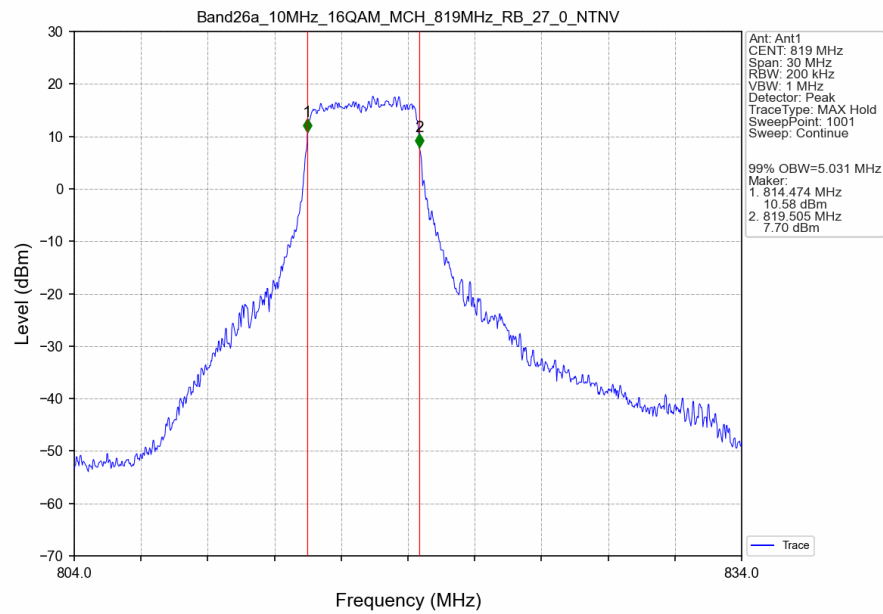
Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV



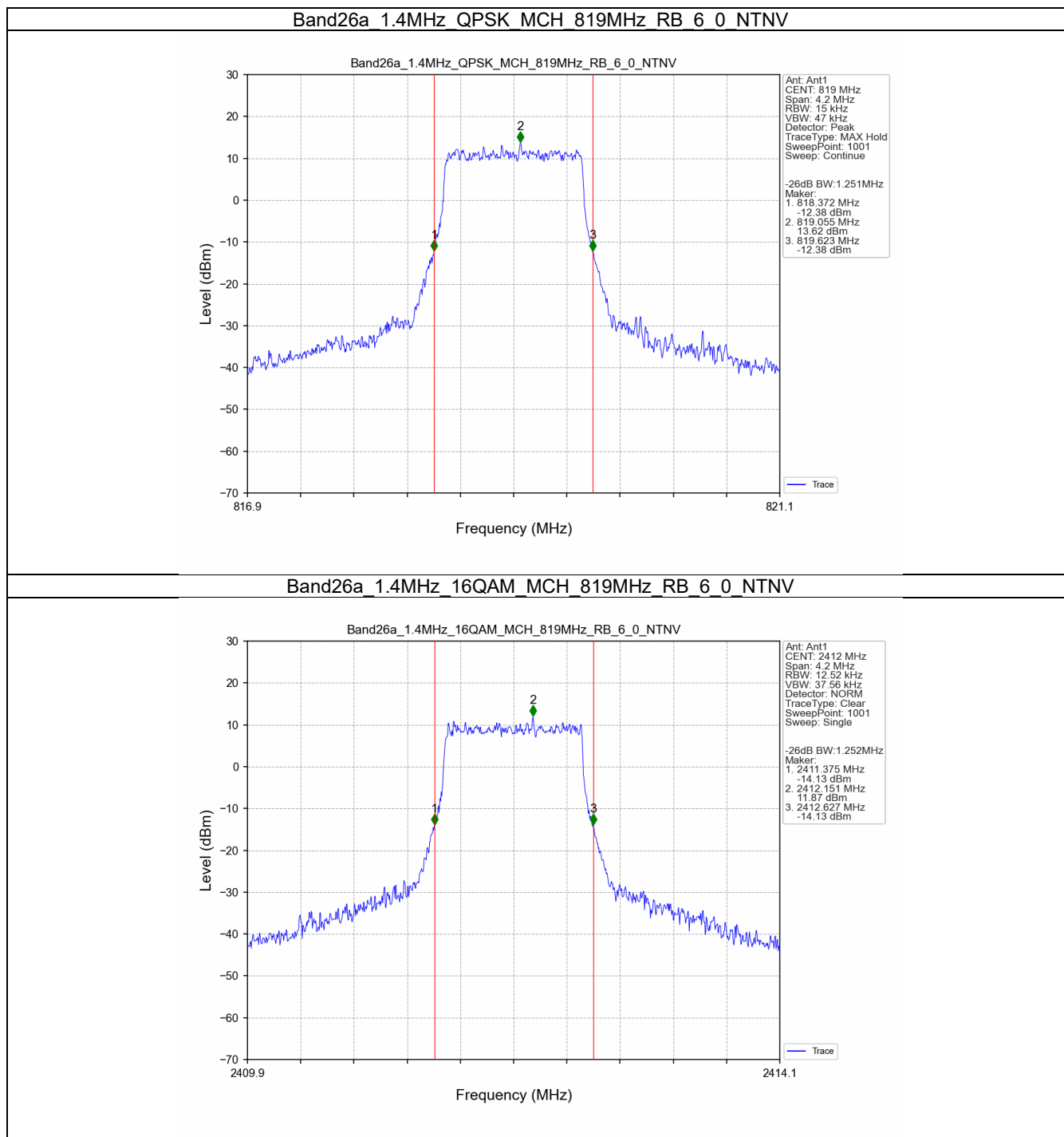
Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



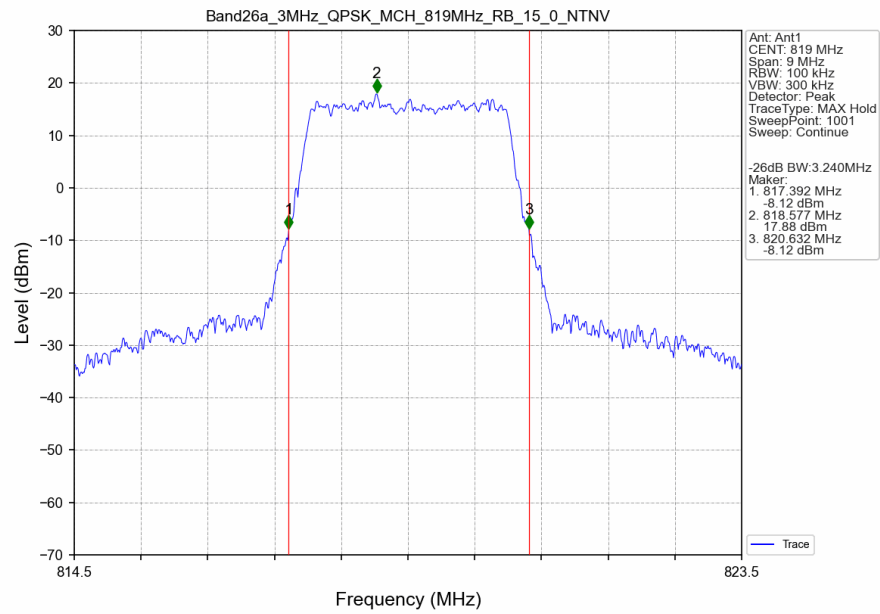
Band26a_10MHz_16QAM_MCH_819MHz_RB_27_0_NTNV



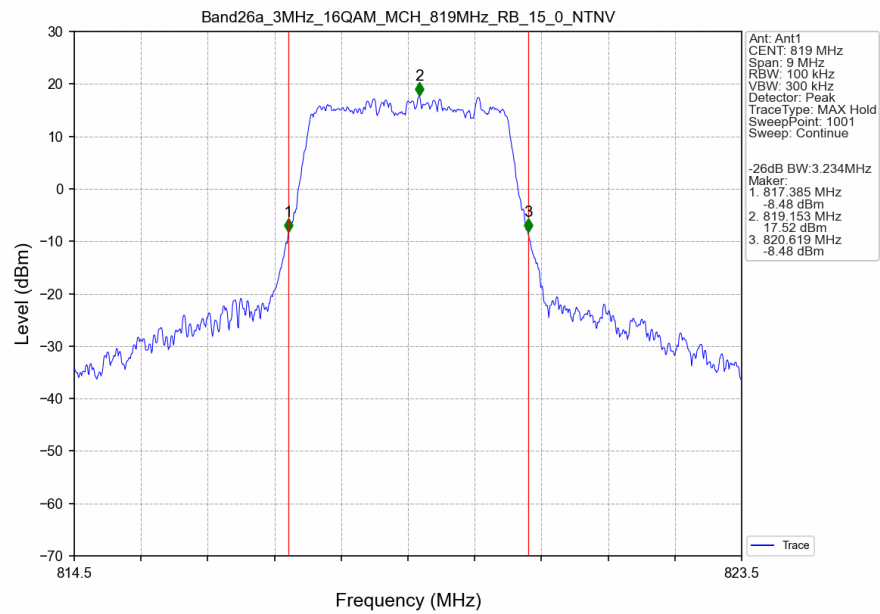
3.2.2 Band26a_XDB



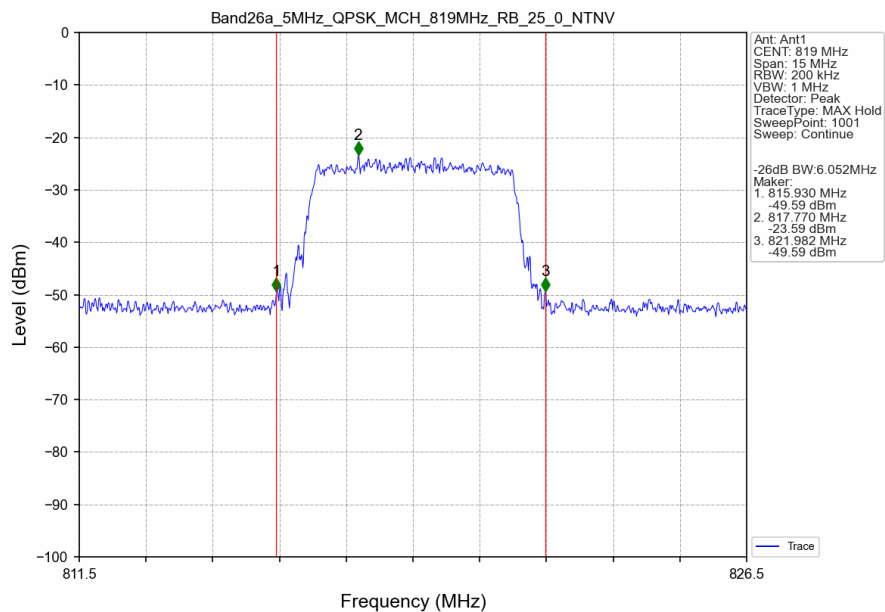
Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



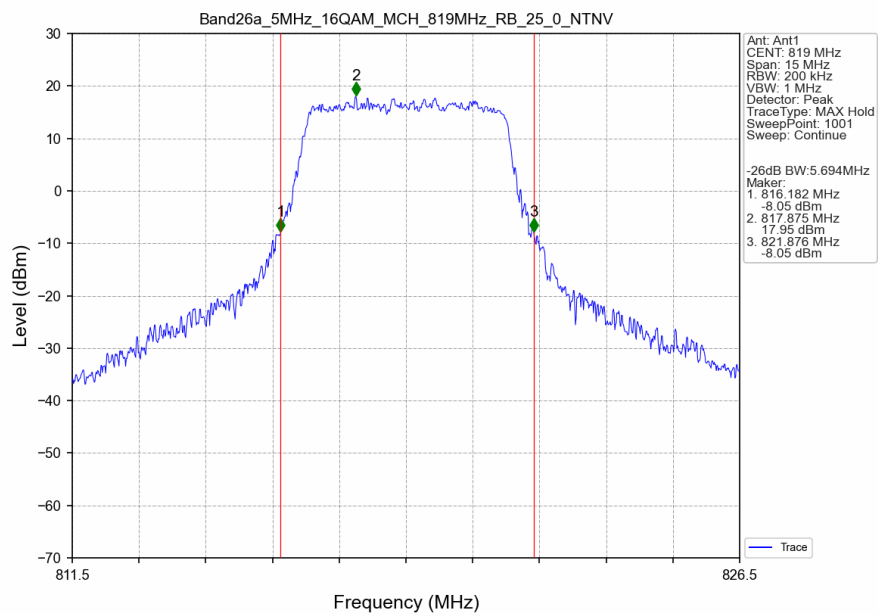
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



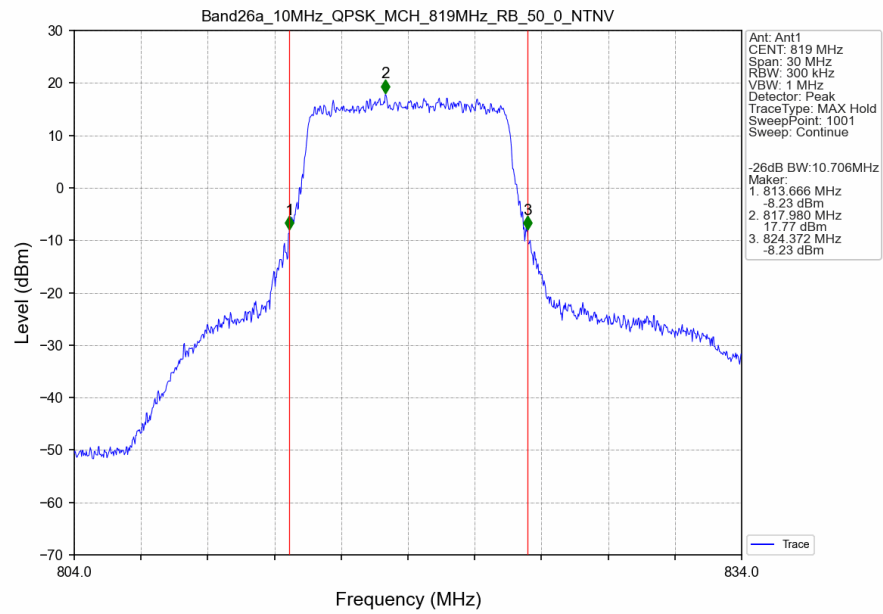
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



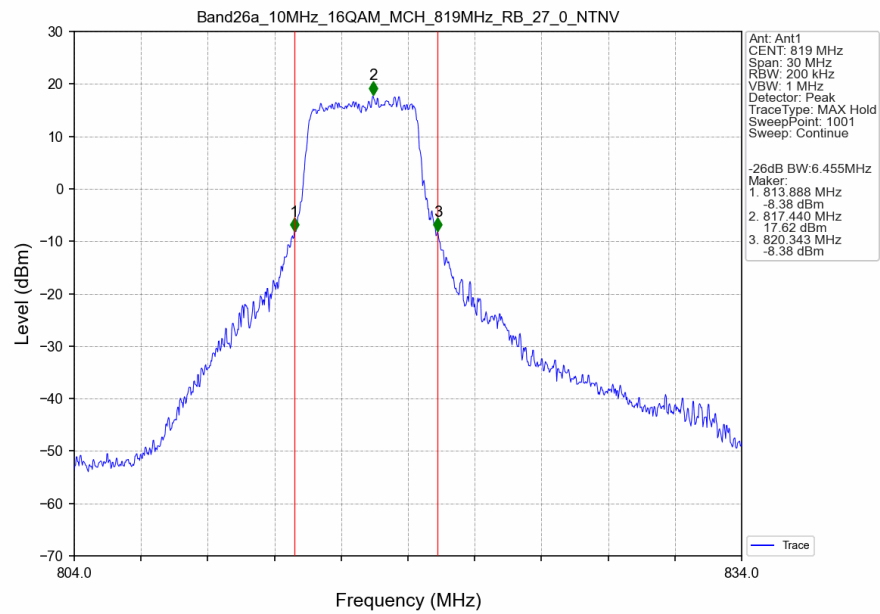
Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV



Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_16QAM_MCH_819MHz_RB_27_0_NTNV





4. Peak-Average Ratio

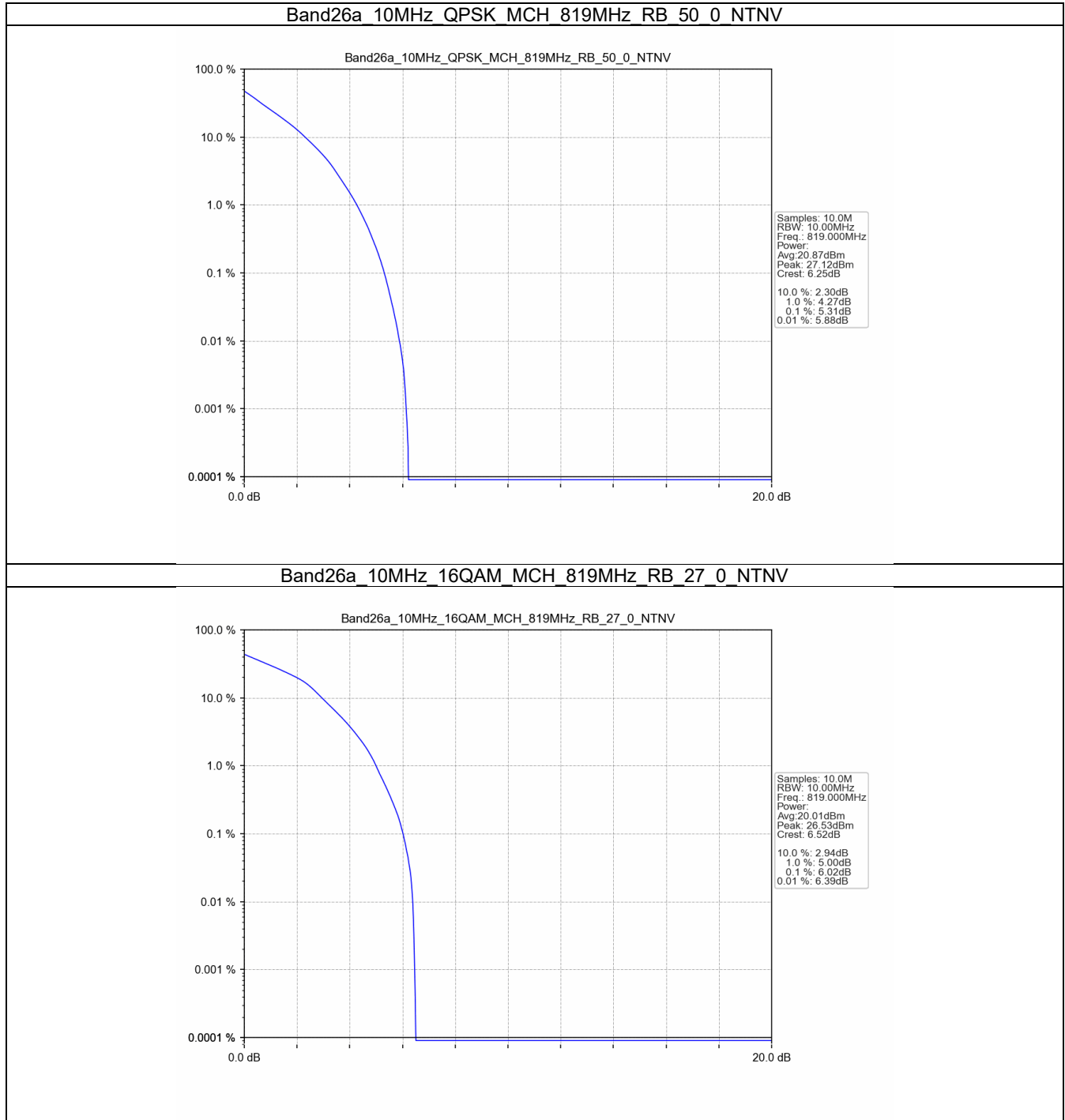
4.1 Test Result

4.1.1 B26a_10MHz

Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	819	50	0	5.31	<=13	Pass
16QAM	819	27	0	6.02	<=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	
		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	
		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

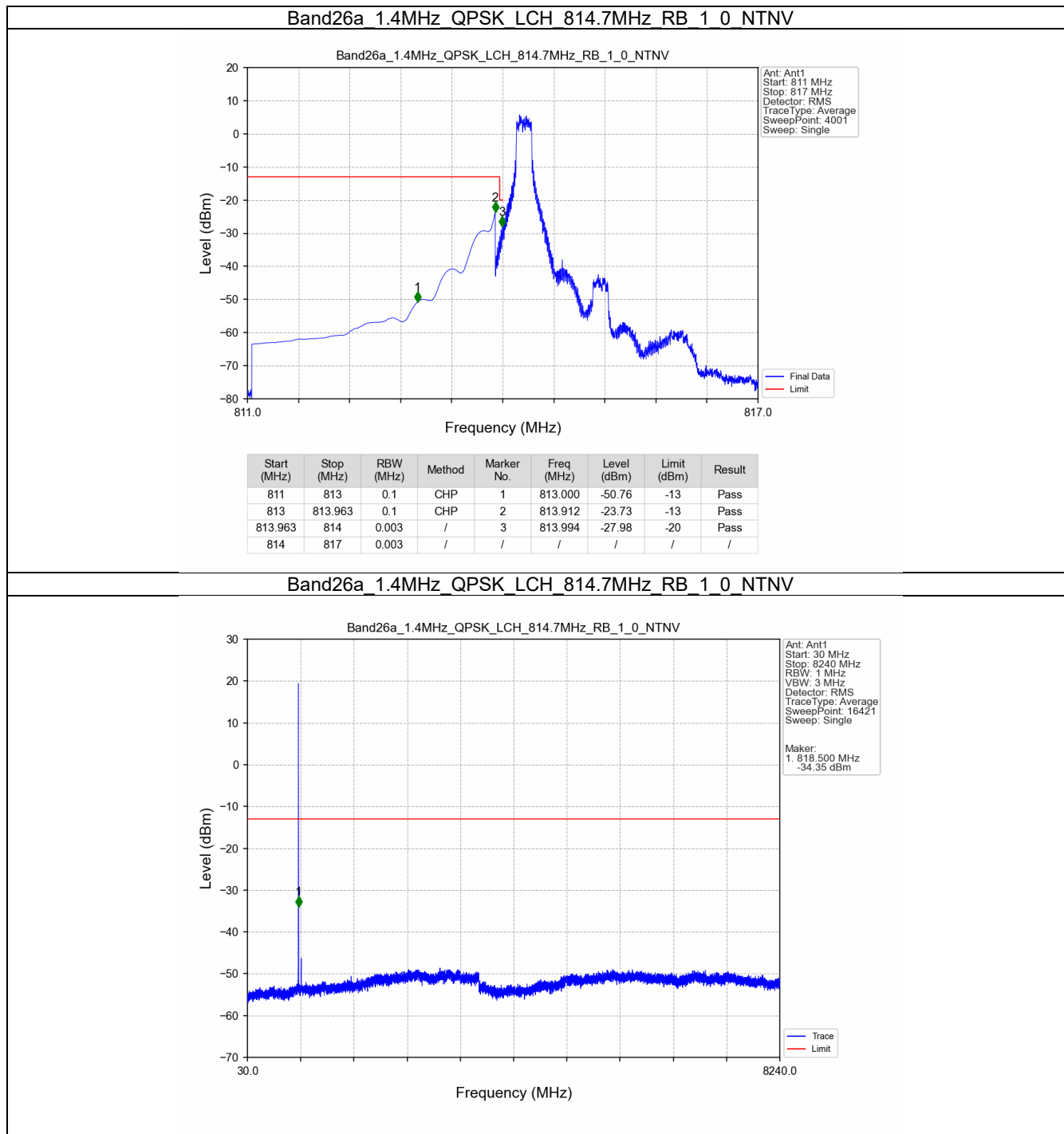
Band: 26a / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
		821.5	1	0	Refer To Test Graph	
	24			Refer To Test Graph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

5.1.4 B26a_10MHz

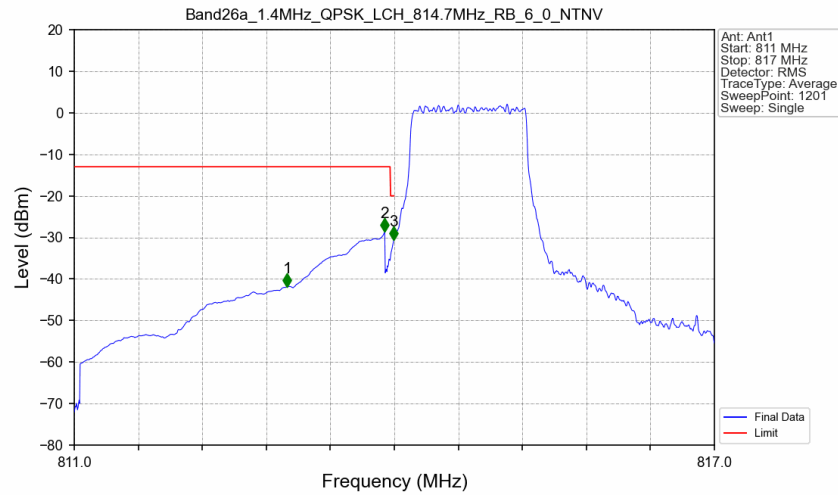
Band: 26a / Bandwidth: 10MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	819	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	819	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.2 Test Graph

5.2.1 B26a_1.4MHz

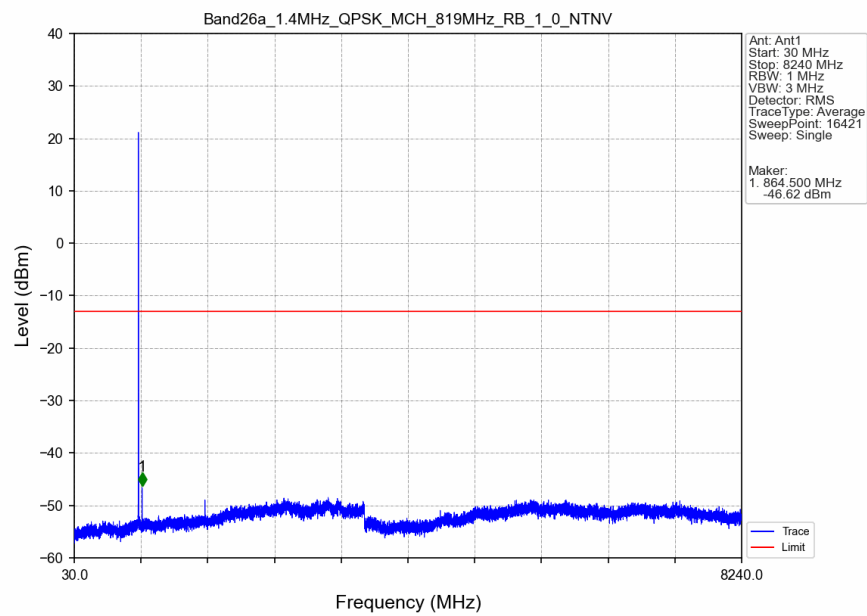


Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_6_0_NTNV

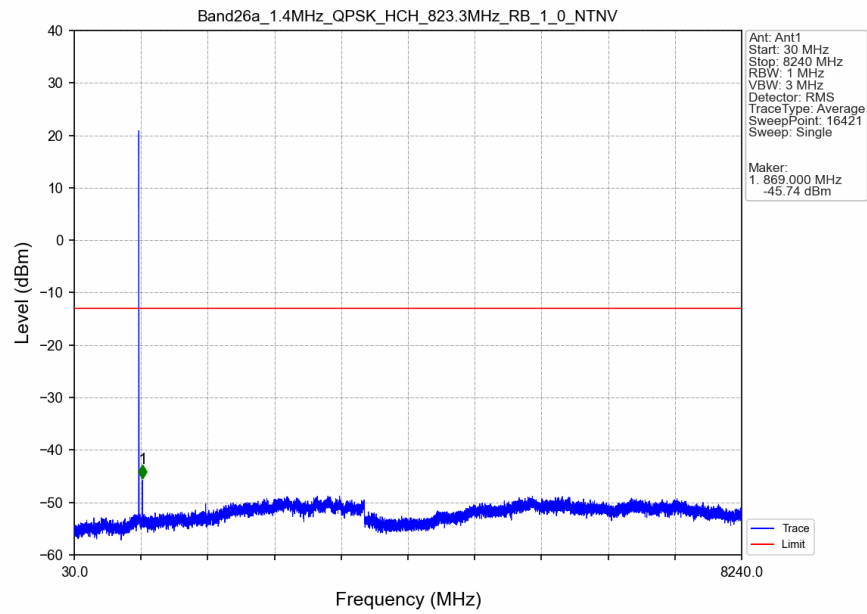


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	812.995	-41.92	-13	Pass
813	813.963	0.1	CHP	2	813.910	-28.65	-13	Pass
813.963	814	0.015	CHP	3	813.995	-30.59	-20	Pass
814	817	0.015	CHP	/	/	/	/	/

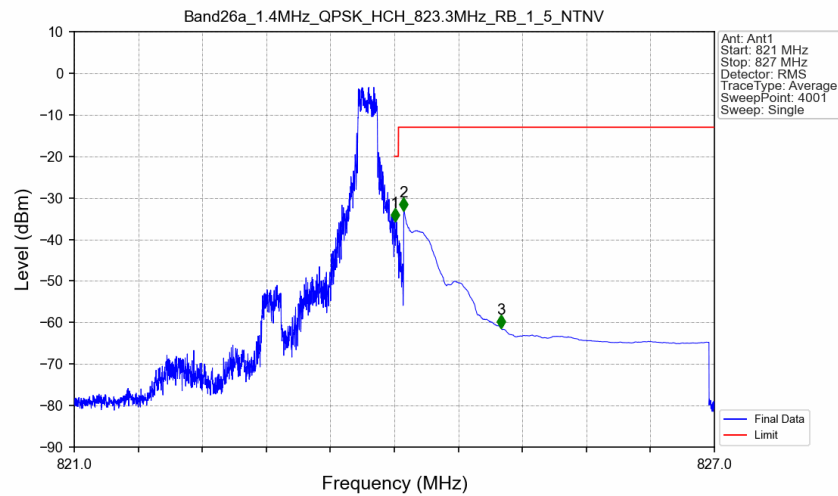
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



Band26a 1.4MHz QPSK HCH 823.3MHz RB 1 0 NTV

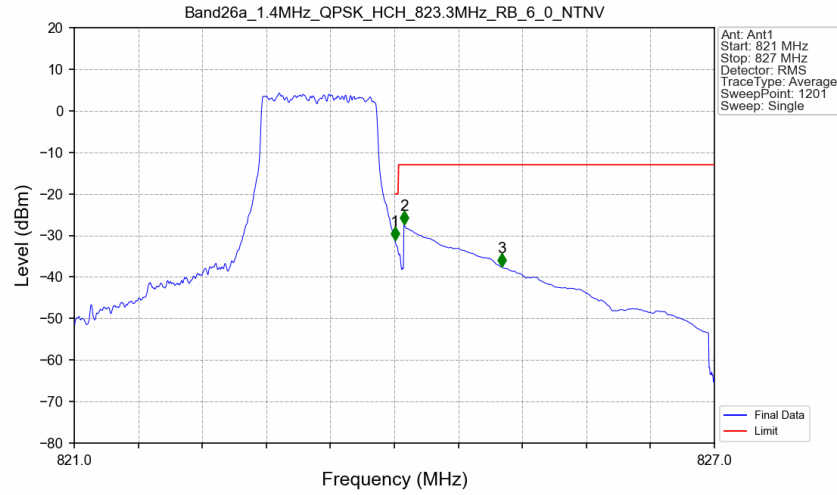


Band26a 1.4MHz QPSK HCH 823.3MHz RB 1 5 NTV



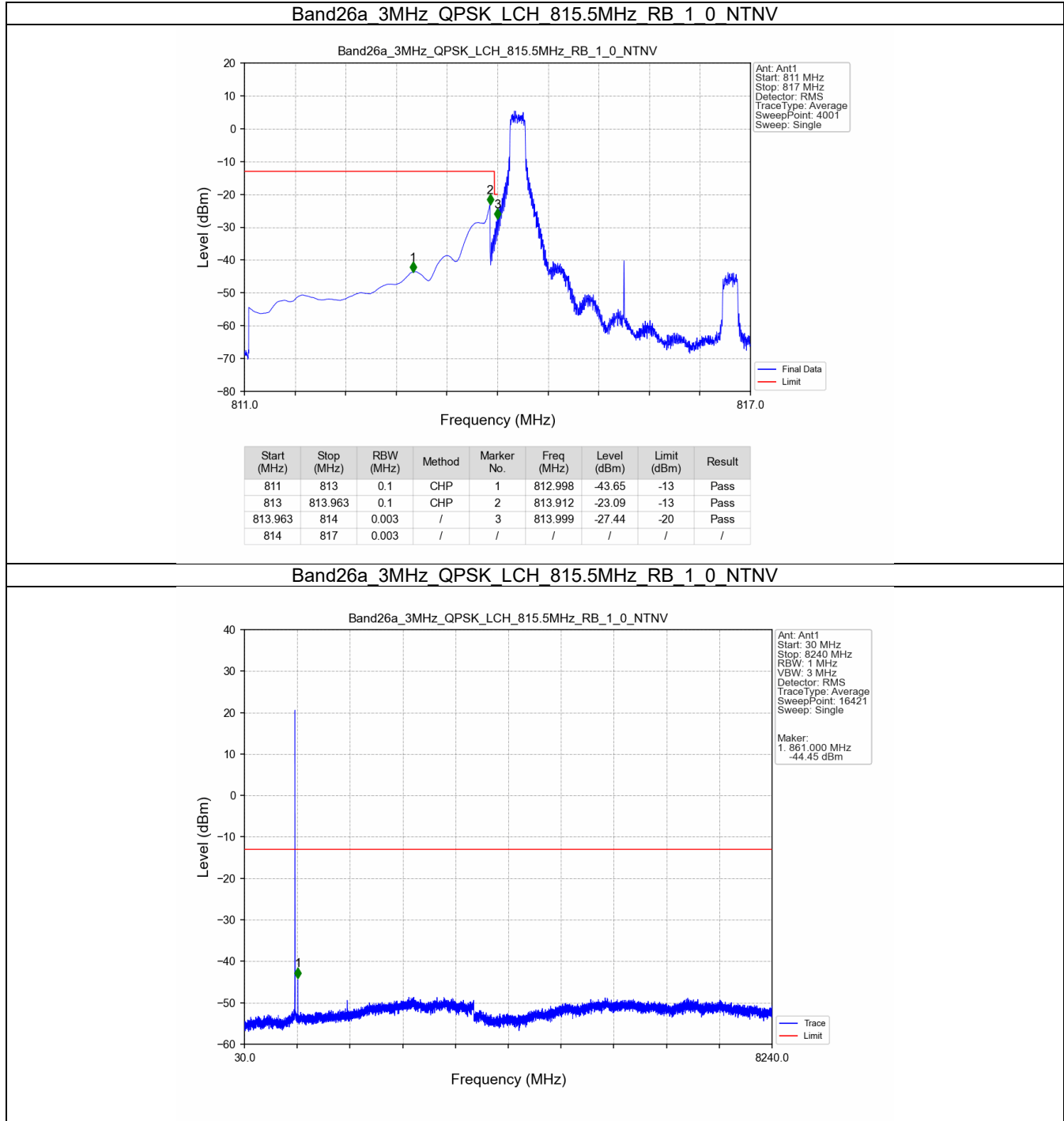
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.006	-35.66	-20	Pass
824.038	825	0.1	CHP	2	824.088	-33.06	-13	Pass
825	827	0.1	CHP	3	825.000	-61.42	-13	Pass

Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV

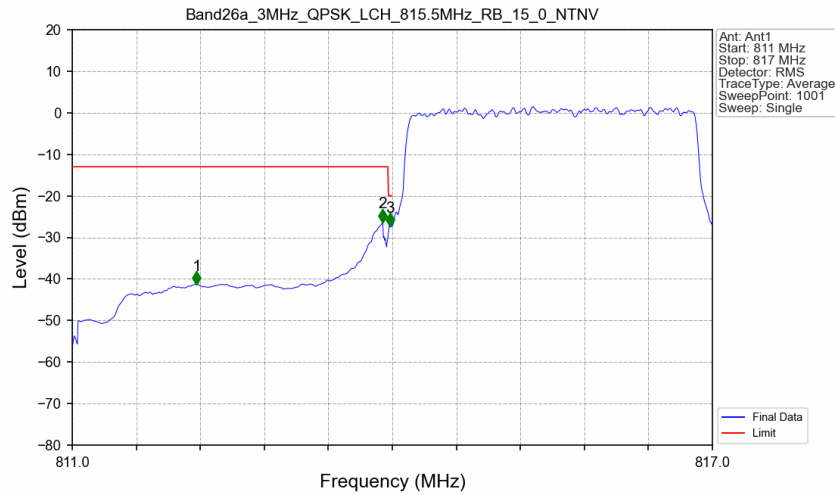


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.015	CHP	/	/	/	/	/
824	824.038	0.015	CHP	1	824.005	-31.15	-20	Pass
824.038	825	0.1	CHP	2	824.090	-27.39	-13	Pass
825	827	0.1	CHP	3	825.005	-37.57	-13	Pass

5.2.2 B26a_3MHz

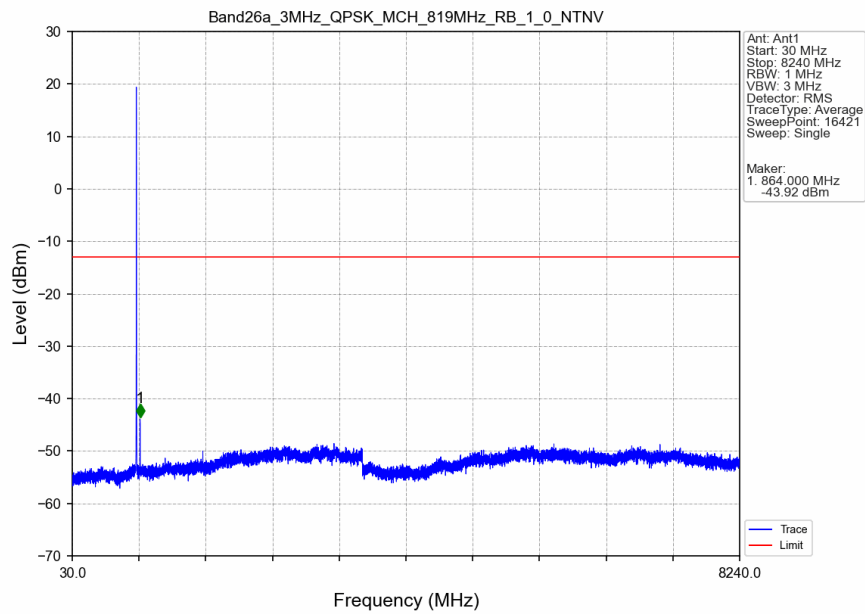


Band26a_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV

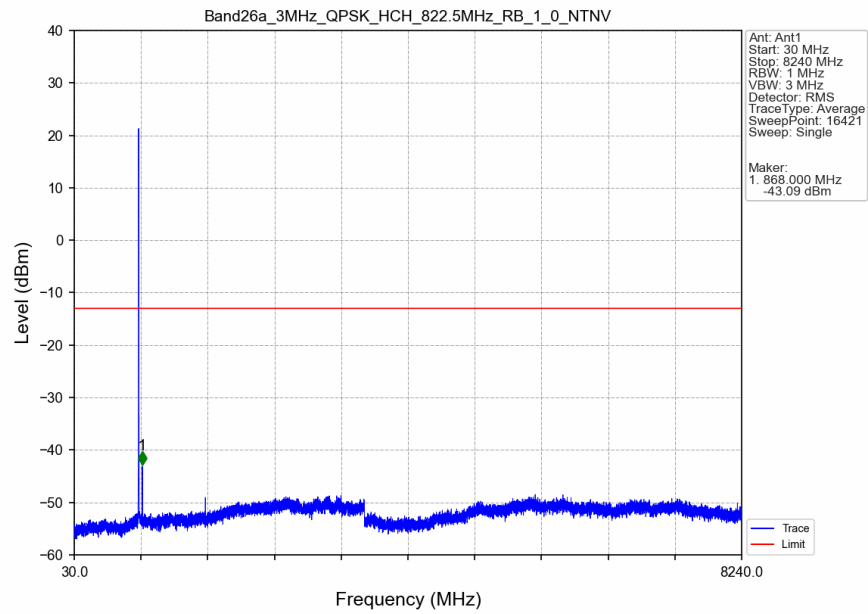


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	812.164	-41.27	-13	Pass
813	813.963	0.1	CHP	2	813.910	-26.30	-13	Pass
813.963	814	0.032	CHP	3	813.982	-27.25	-20	Pass
814	817	0.032	CHP	/	/	/	/	/

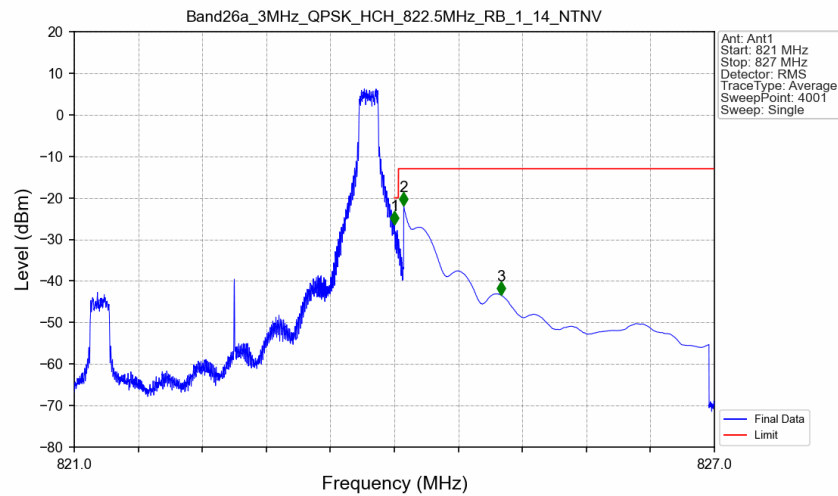
Band26a_3MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



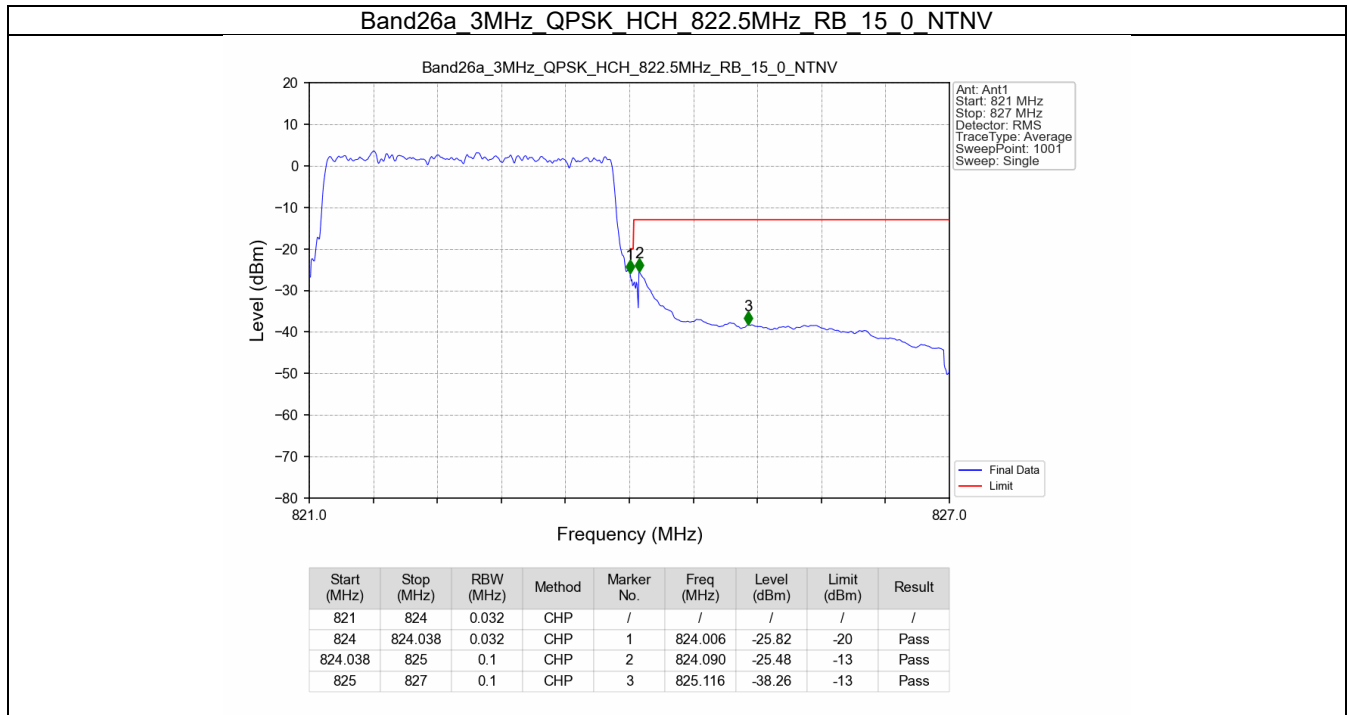
Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_0_NTNV



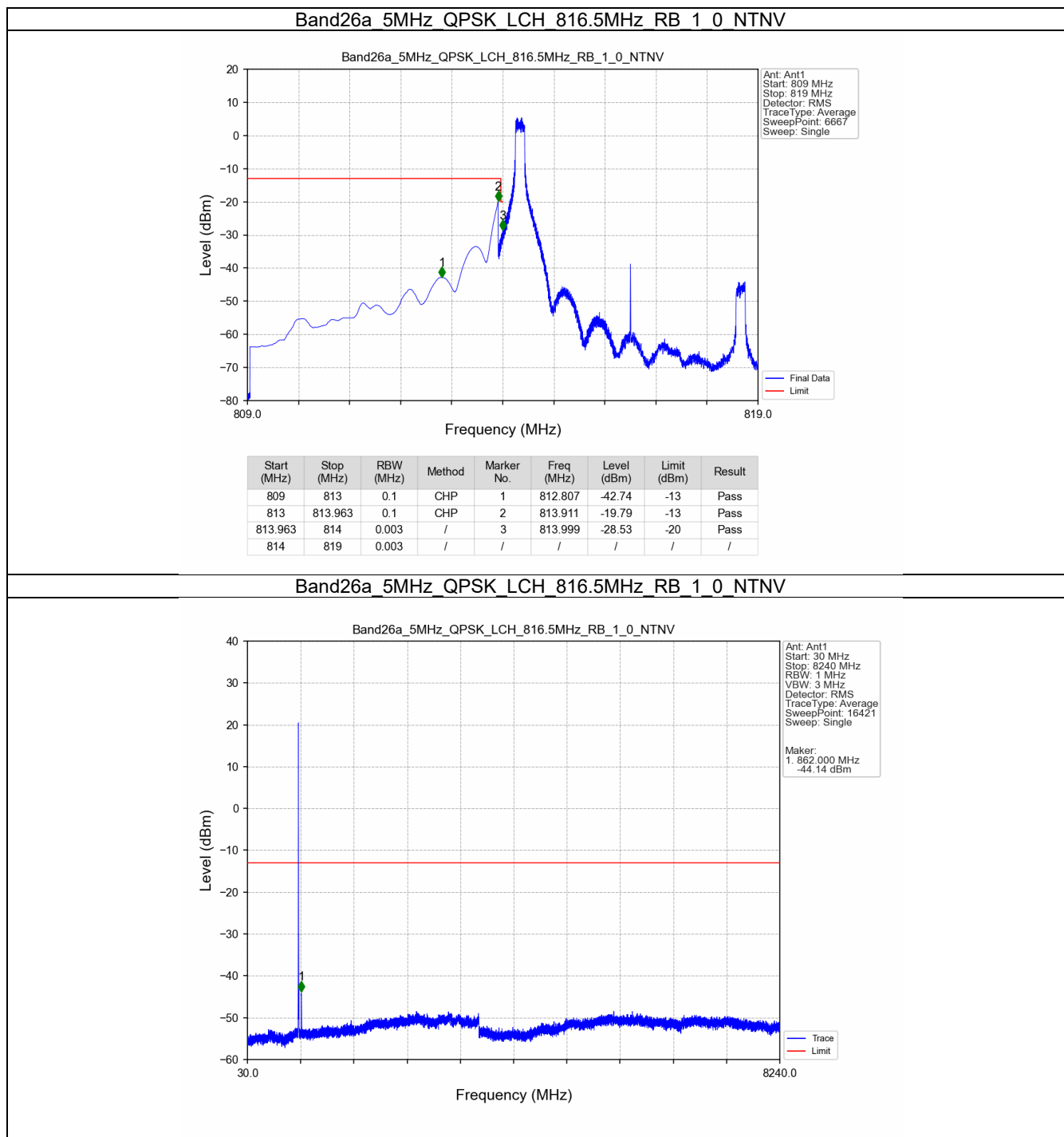
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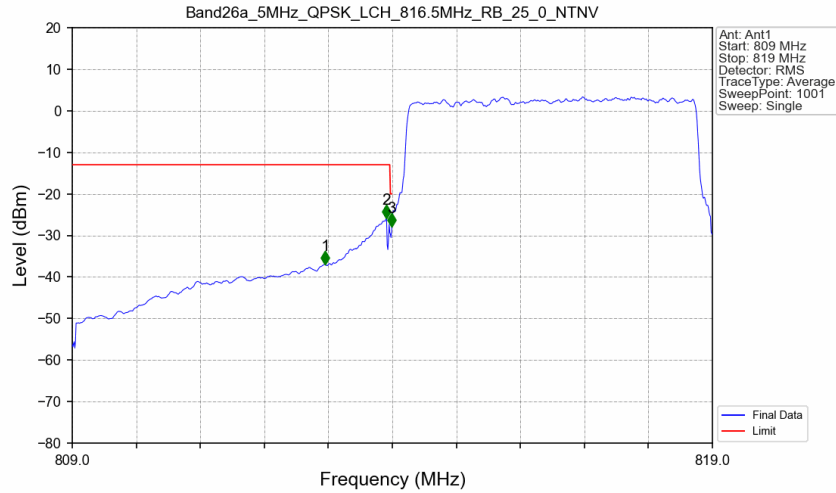
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.001	-26.36	-20	Pass
824.038	825	0.1	CHP	2	824.088	-21.88	-13	Pass
825	827	0.1	CHP	3	825.000	-43.40	-13	Pass



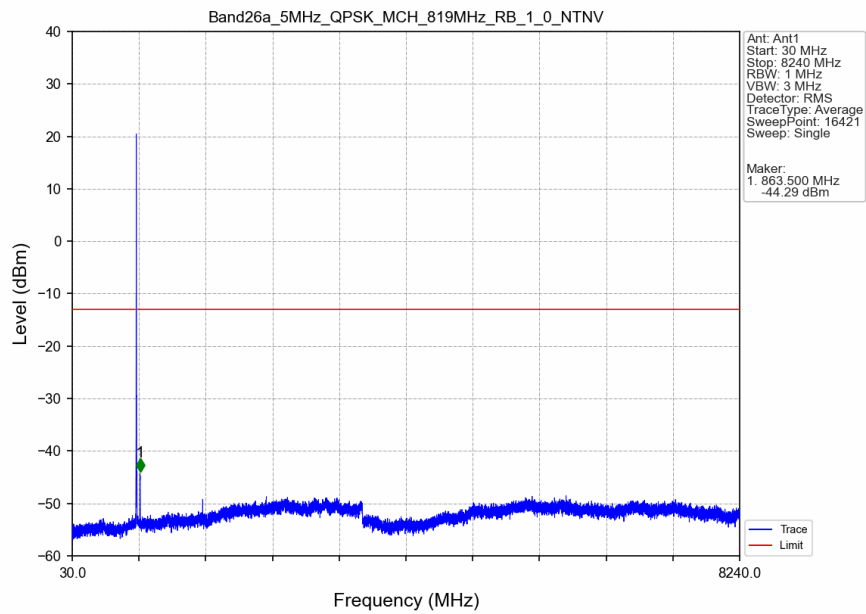
5.2.3 B26a_5MHz



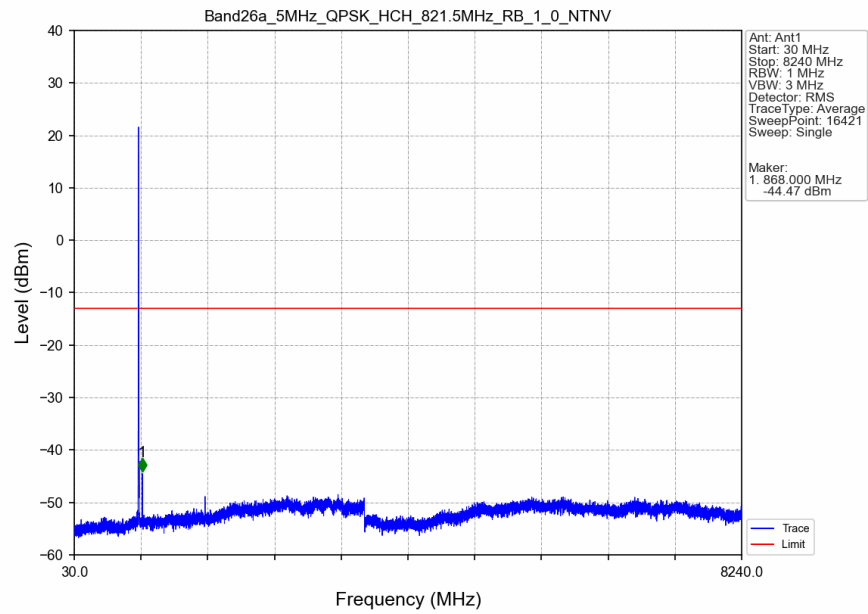
Band26a_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV



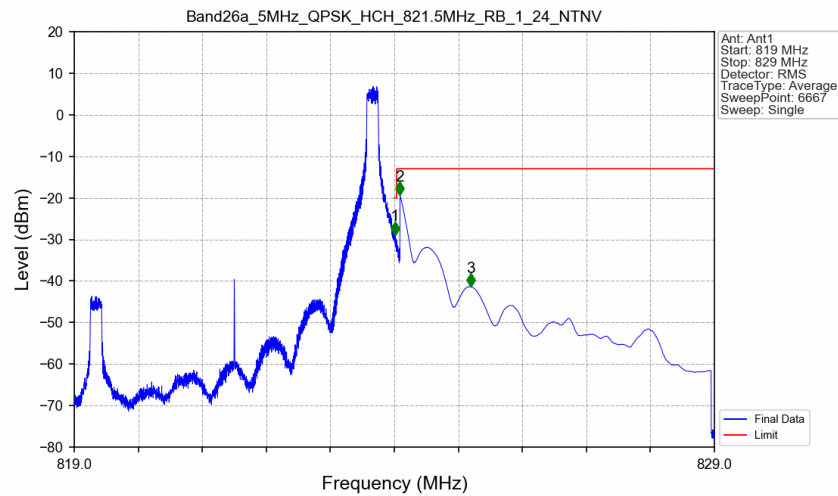
Band26a_5MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



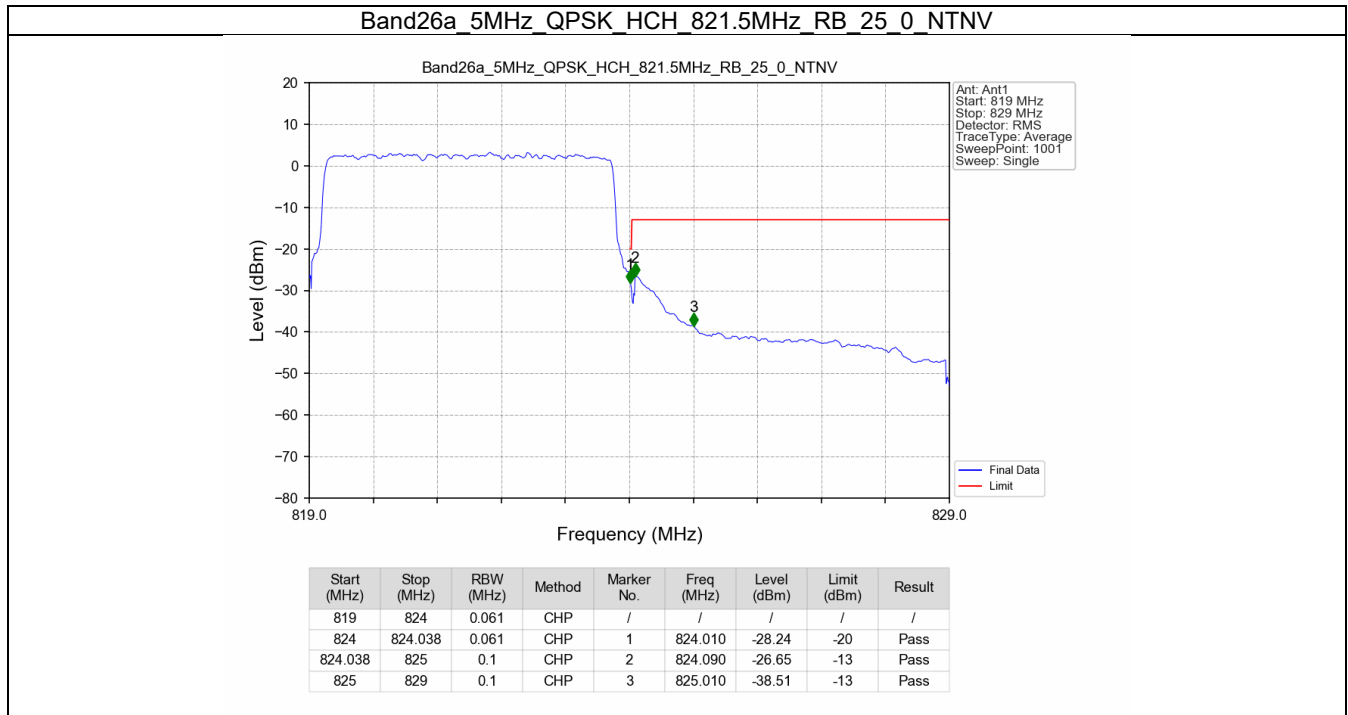
Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_0_NTNV



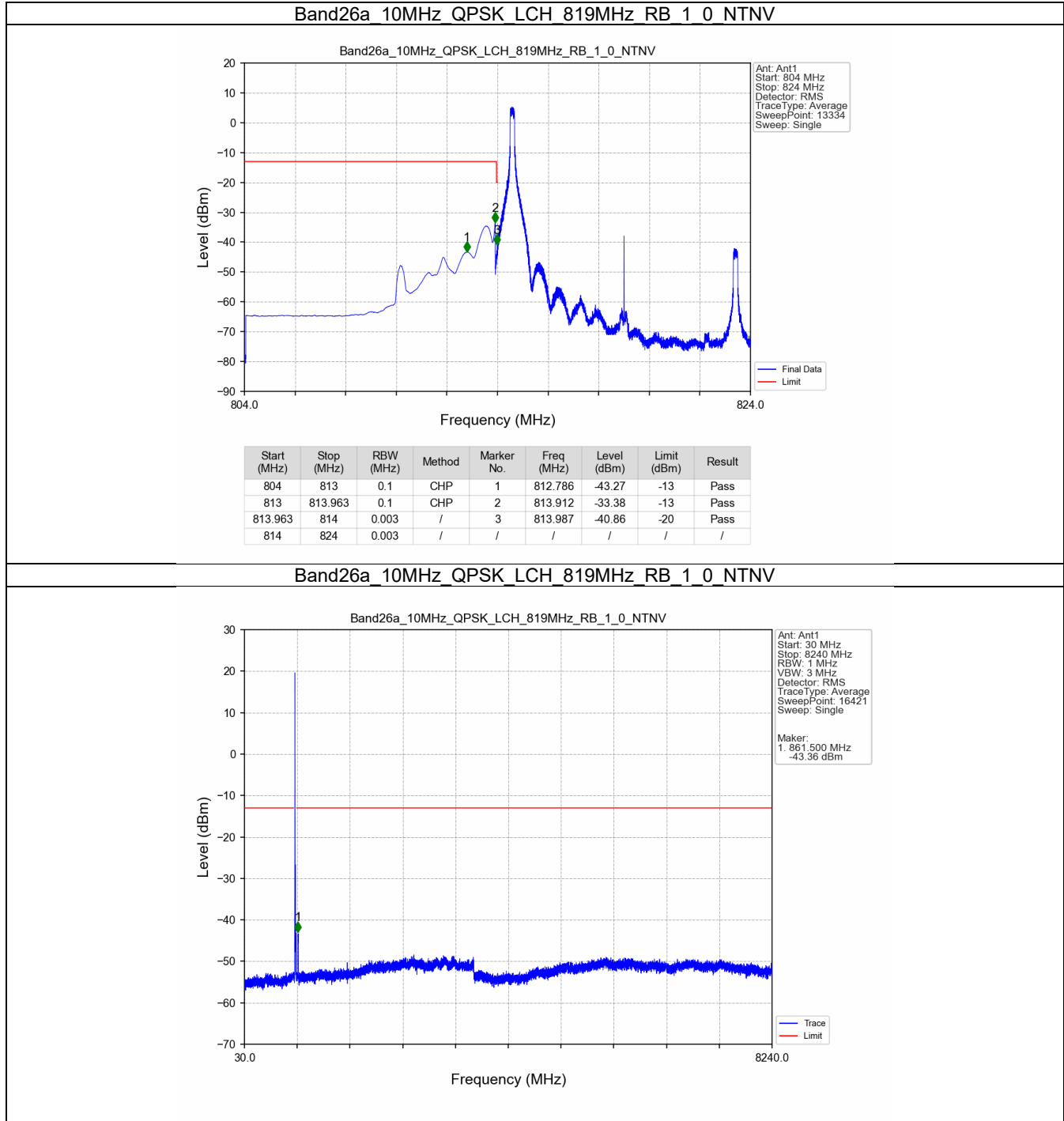
Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_24_NTNV



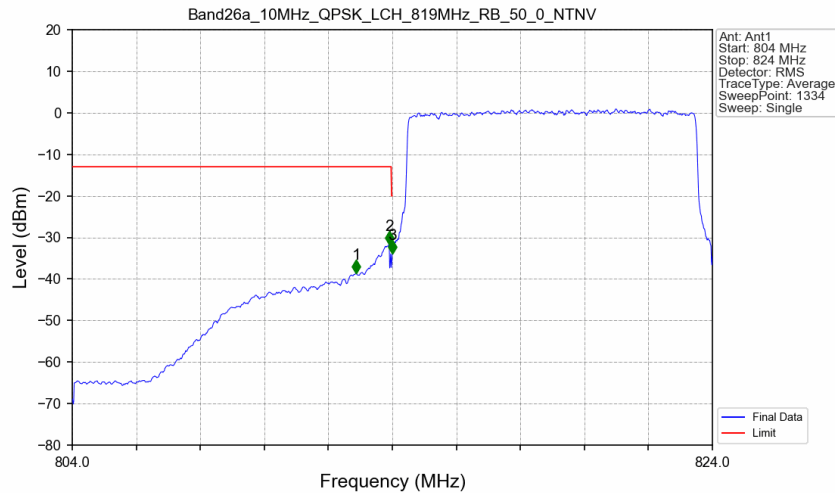
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.012	-28.85	-20	Pass
824.038	825	0.1	CHP	2	824.089	-19.24	-13	Pass
825	829	0.1	CHP	3	825.191	-41.38	-13	Pass



5.2.4 B26a_10MHz

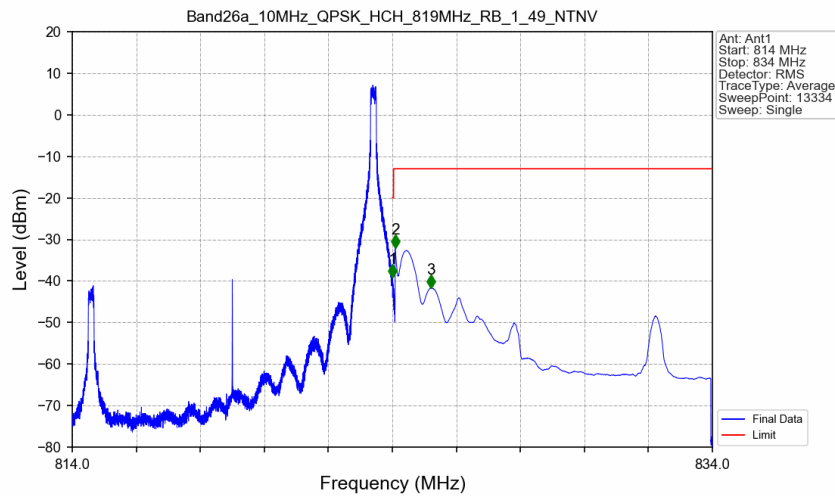


Band26a_10MHz_QPSK_LCH_819MHz_RB_50_0_NTNV



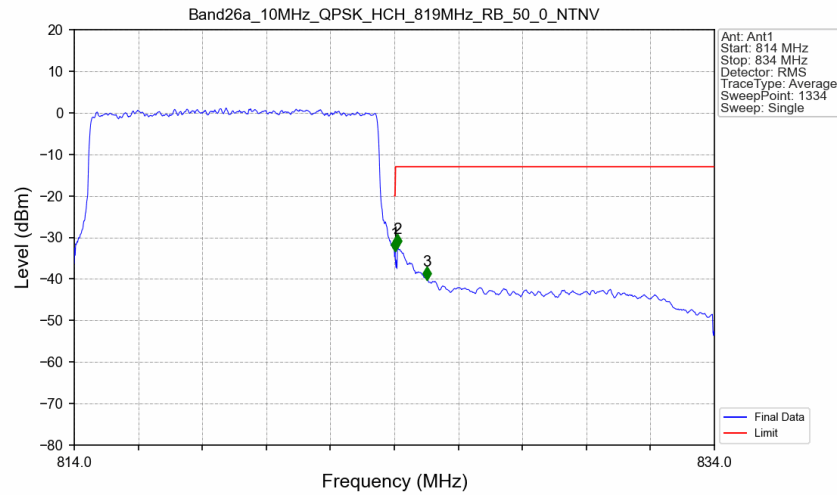
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
804	813	0.1	CHP	1	812.867	-38.68	-13	Pass
813	813.963	0.1	CHP	2	813.902	-31.64	-13	Pass
813.963	814	0.065	CHP	3	813.992	-33.80	-20	Pass
814	824	0.065	CHP	/	/	/	/	/

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	-39.16	-20	Pass
824.038	825	0.1	CHP	2	824.088	-32.06	-13	Pass
825	834	0.1	CHP	3	825.196	-41.62	-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	0.065	CHP	/	/	/	/	/
824	824.038	0.065	CHP	1	824.023	-33.29	-20	Pass
824.038	825	0.1	CHP	2	824.098	-32.41	-13	Pass
825	834	0.1	CHP	3	825.013	-40.16	-13	Pass