

## 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	23.60	<=50	Pass
			2	23.65	<=50	Pass
			5	23.55	<=50	Pass
		3	0	23.72	<=50	Pass
			2	23.72	<=50	Pass
			3	23.72	<=50	Pass
		6	0	22.65	<=50	Pass
	819	1	0	23.60	<=50	Pass
			2	23.69	<=50	Pass
			5	23.53	<=50	Pass
		3	0	23.73	<=50	Pass
			2	23.73	<=50	Pass
			3	23.72	<=50	Pass
		6	0	22.67	<=50	Pass
	823.3	1	0	23.64	<=50	Pass
			2	23.73	<=50	Pass
			5	23.64	<=50	Pass
		3	0	23.74	<=50	Pass
			2	23.76	<=50	Pass
			3	23.68	<=50	Pass
		6	0	22.71	<=50	Pass
16QAM	814.7	1	0	22.65	<=50	Pass
			2	22.66	<=50	Pass
			5	22.63	<=50	Pass
		3	0	22.90	<=50	Pass
			2	22.92	<=50	Pass
			3	22.88	<=50	Pass
		6	0	21.66	<=50	Pass
	819	1	0	22.62	<=50	Pass
			2	22.72	<=50	Pass
			5	22.61	<=50	Pass
		3	0	22.89	<=50	Pass
			2	22.91	<=50	Pass
			3	22.94	<=50	Pass
		6	0	21.66	<=50	Pass
	823.3	1	0	22.80	<=50	Pass
			2	22.89	<=50	Pass
			5	22.78	<=50	Pass
		3	0	22.70	<=50	Pass
			2	22.67	<=50	Pass
			3	22.71	<=50	Pass
		6	0	21.68	<=50	Pass
64QAM	814.7	1	0	21.96	<=50	Pass
			2	22.11	<=50	Pass
			5	21.94	<=50	Pass
		3	0	21.90	<=50	Pass
			2	21.91	<=50	Pass

	819	6	3	21.88	<=50	Pass
			0	20.67	<=50	Pass
			0	21.96	<=50	Pass
		1	2	22.11	<=50	Pass
			5	21.97	<=50	Pass
			0	21.89	<=50	Pass
	823.3	3	2	21.90	<=50	Pass
			3	21.94	<=50	Pass
			0	20.65	<=50	Pass
		1	0	21.68	<=50	Pass
			2	21.81	<=50	Pass
			5	21.66	<=50	Pass
256QAM	814.7	1	0	21.85	<=50	Pass
			2	22.04	<=50	Pass
			5	21.85	<=50	Pass
		3	0	21.81	<=50	Pass
			2	21.83	<=50	Pass
			3	21.76	<=50	Pass
	819	6	0	20.55	<=50	Pass
			0	21.89	<=50	Pass
			2	22.03	<=50	Pass
		1	5	21.88	<=50	Pass
			0	21.78	<=50	Pass
			2	21.77	<=50	Pass
	823.3	3	3	21.86	<=50	Pass
			0	20.55	<=50	Pass
			0	21.56	<=50	Pass
		1	2	21.71	<=50	Pass
			5	21.54	<=50	Pass
			0	21.87	<=50	Pass
	819	3	2	21.85	<=50	Pass
			3	21.80	<=50	Pass
			0	20.84	<=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	23.61	<=50	Pass
			7	23.74	<=50	Pass
			14	23.52	<=50	Pass
		8	0	22.62	<=50	Pass
			4	22.60	<=50	Pass
			7	22.64	<=50	Pass
	819	15	0	22.65	<=50	Pass
			0	23.60	<=50	Pass
			7	23.76	<=50	Pass
		1	14	23.62	<=50	Pass
			0	22.65	<=50	Pass
			4	22.66	<=50	Pass
		8	7	22.63	<=50	Pass

		15	0	22.64	<=50	Pass	
	822.5	1	0	23.67	<=50	Pass	
			7	23.82	<=50	Pass	
			14	23.65	<=50	Pass	
			0	22.72	<=50	Pass	
		8	4	22.74	<=50	Pass	
			7	22.71	<=50	Pass	
			15	0	22.69	<=50	Pass
16QAM		815.5	1	0	23.21	<=50	Pass
	7			23.36	<=50	Pass	
	14			23.18	<=50	Pass	
	0			21.81	<=50	Pass	
	8		4	21.86	<=50	Pass	
			7	21.85	<=50	Pass	
			15	0	21.75	<=50	Pass
	819		1	0	22.79	<=50	Pass
		7		22.94	<=50	Pass	
		14		22.80	<=50	Pass	
		0		21.65	<=50	Pass	
		8	4	21.66	<=50	Pass	
			7	21.62	<=50	Pass	
			15	0	21.64	<=50	Pass
		822.5	1	0	22.82	<=50	Pass
	7			23.00	<=50	Pass	
	14			22.89	<=50	Pass	
	0			21.69	<=50	Pass	
	8		4	21.73	<=50	Pass	
			7	21.67	<=50	Pass	
			15	0	21.69	<=50	Pass
	64QAM		815.5	1	0	21.90	<=50
		7			22.04	<=50	Pass
		14			21.85	<=50	Pass
0		20.83			<=50	Pass	
8		4		20.82	<=50	Pass	
		7		20.83	<=50	Pass	
		15		0	20.72	<=50	Pass
819		1		0	22.00	<=50	Pass
			7	22.09	<=50	Pass	
			14	21.96	<=50	Pass	
			0	20.88	<=50	Pass	
		8	4	20.88	<=50	Pass	
			7	20.83	<=50	Pass	
			15	0	20.73	<=50	Pass
		822.5	1	0	21.65	<=50	Pass
7				21.78	<=50	Pass	
14				21.50	<=50	Pass	
0				20.75	<=50	Pass	
8			4	20.78	<=50	Pass	
			7	20.77	<=50	Pass	
			15	0	20.78	<=50	Pass
256QAM			815.5	1	0	21.83	<=50
		7			21.94	<=50	Pass
		14			21.77	<=50	Pass
	8	0		20.75	<=50	Pass	
		4		20.75	<=50	Pass	
		7		20.73	<=50	Pass	
	15	0		20.64	<=50	Pass	

	819	1	0	21.87	<=50	Pass
			7	21.99	<=50	Pass
			14	21.89	<=50	Pass
		8	0	20.77	<=50	Pass
			4	20.76	<=50	Pass
			7	20.73	<=50	Pass
		15	0	20.61	<=50	Pass
	822.5	1	0	21.56	<=50	Pass
			7	21.71	<=50	Pass
			14	21.43	<=50	Pass
		8	0	20.63	<=50	Pass
			4	20.70	<=50	Pass
			7	20.64	<=50	Pass
		15	0	20.69	<=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	23.58	<=50	Pass
			13	23.67	<=50	Pass
			24	23.56	<=50	Pass
		12	0	22.64	<=50	Pass
			6	22.74	<=50	Pass
			13	22.67	<=50	Pass
		25	0	22.70	<=50	Pass
	819	1	0	23.47	<=50	Pass
			13	23.61	<=50	Pass
			24	23.53	<=50	Pass
		12	0	22.54	<=50	Pass
			6	22.66	<=50	Pass
			13	22.60	<=50	Pass
		25	0	22.59	<=50	Pass
	821.5	1	0	23.46	<=50	Pass
			13	23.68	<=50	Pass
			24	23.54	<=50	Pass
		12	0	22.63	<=50	Pass
			6	22.69	<=50	Pass
			13	22.64	<=50	Pass
		25	0	22.66	<=50	Pass
16QAM	816.5	1	0	22.86	<=50	Pass
			13	22.97	<=50	Pass
			24	22.79	<=50	Pass
		12	0	21.65	<=50	Pass
			6	21.76	<=50	Pass
			13	21.69	<=50	Pass
		25	0	21.67	<=50	Pass
	819	1	0	22.63	<=50	Pass
			13	22.78	<=50	Pass
			24	22.66	<=50	Pass
		12	0	21.54	<=50	Pass
			6	21.66	<=50	Pass
			13	21.58	<=50	Pass
		25	0	21.63	<=50	Pass
	821.5	1	0	22.41	<=50	Pass

64QAM	816.5	12	13	22.54	<=50	Pass
			24	22.44	<=50	Pass
			0	21.63	<=50	Pass
			6	21.73	<=50	Pass
			13	21.66	<=50	Pass
		25	0	21.73	<=50	Pass
		1	0	21.72	<=50	Pass
			13	21.89	<=50	Pass
			24	21.72	<=50	Pass
			0	20.60	<=50	Pass
			6	20.74	<=50	Pass
			13	20.67	<=50	Pass
		25	0	20.73	<=50	Pass
		1	0	21.72	<=50	Pass
			13	21.85	<=50	Pass
			24	21.74	<=50	Pass
			0	20.71	<=50	Pass
			6	20.83	<=50	Pass
			13	20.71	<=50	Pass
		25	0	20.65	<=50	Pass
		1	0	21.51	<=50	Pass
			13	21.68	<=50	Pass
			24	21.53	<=50	Pass
			0	20.65	<=50	Pass
			6	20.71	<=50	Pass
			13	20.65	<=50	Pass
		25	0	20.74	<=50	Pass
256QAM	816.5	1	0	21.60	<=50	Pass
			13	21.80	<=50	Pass
			24	21.62	<=50	Pass
		12	0	20.51	<=50	Pass
			6	20.66	<=50	Pass
			13	20.54	<=50	Pass
		25	0	20.61	<=50	Pass
		1	0	21.61	<=50	Pass
			13	21.72	<=50	Pass
			24	21.66	<=50	Pass
	819	12	0	20.64	<=50	Pass
			6	20.71	<=50	Pass
			13	20.61	<=50	Pass
		25	0	20.55	<=50	Pass
		1	0	21.42	<=50	Pass
			13	21.55	<=50	Pass
			24	21.45	<=50	Pass
		12	0	20.55	<=50	Pass
			6	20.63	<=50	Pass
			13	20.58	<=50	Pass
		25	0	20.63	<=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	23.57	<=50	Pass
			25	23.70	<=50	Pass

		25	49	23.64	<=50	Pass
			0	22.60	<=50	Pass
			13	22.69	<=50	Pass
			25	22.66	<=50	Pass
		50	0	22.67	<=50	Pass
16QAM	819	1	0	23.17	<=50	Pass
			25	23.27	<=50	Pass
			49	23.15	<=50	Pass
		25	0	21.69	<=50	Pass
			13	21.75	<=50	Pass
			25	21.75	<=50	Pass
		50	0	21.71	<=50	Pass
64QAM	819	1	0	21.83	<=50	Pass
			25	22.02	<=50	Pass
			49	21.91	<=50	Pass
		25	0	20.66	<=50	Pass
			13	20.74	<=50	Pass
			25	20.74	<=50	Pass
		50	0	20.75	<=50	Pass
256QAM	819	1	0	21.72	<=50	Pass
			25	21.92	<=50	Pass
			49	21.81	<=50	Pass
		25	0	20.54	<=50	Pass
			13	20.61	<=50	Pass
			25	20.66	<=50	Pass
		50	0	20.65	<=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	3.27	-5.622	-0.0069	-2.5 to 2.5	Pass
					3.85	-7.768	-0.0095	-2.5 to 2.5	Pass
					4.43	-7.267	-0.0089	-2.5 to 2.5	Pass
				-30	3.85	-0.958	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.475	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-2.203	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-5.665	-0.0069	-2.5 to 2.5	Pass
				10	3.85	1.144	0.0014	-2.5 to 2.5	Pass
				30	3.85	-9.956	-0.0122	-2.5 to 2.5	Pass
				40	3.85	-10.242	-0.0125	-2.5 to 2.5	Pass
				50	3.85	-9.341	-0.0114	-2.5 to 2.5	Pass

## 3. 99% & 26dB Bandwidth

### 3.1 Test Result

## 3.1.1 Band26a\_OBW

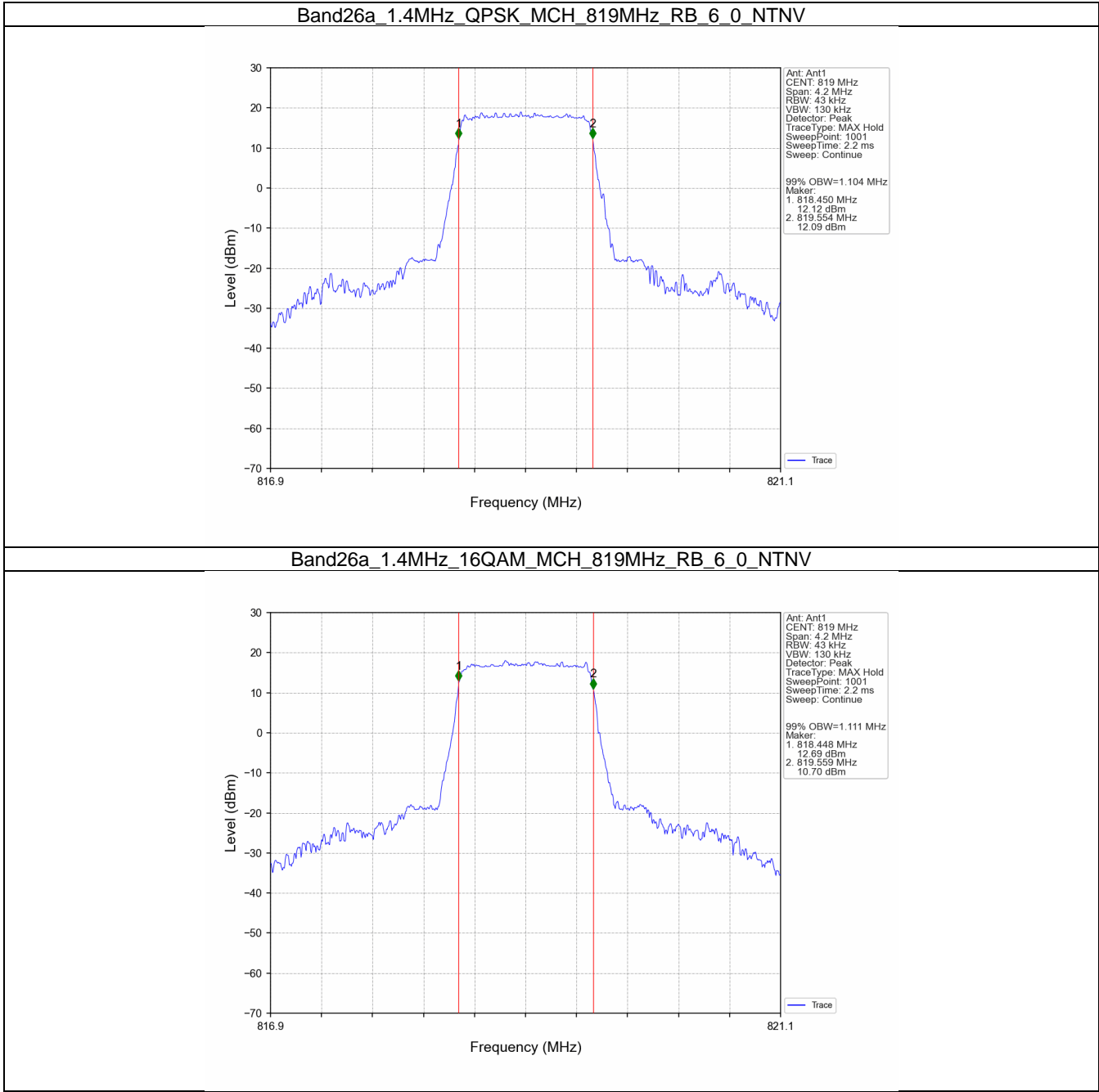
Band: 26a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	819	6	0	1.104	/	Pass
	16QAM	819	6	0	1.111	/	Pass
3	QPSK	819	15	0	2.725	/	Pass
	16QAM	819	15	0	2.721	/	Pass
5	QPSK	819	25	0	4.540	/	Pass
	16QAM	819	25	0	4.528	/	Pass
10	QPSK	819	50	0	9.055	/	Pass
	16QAM	819	50	0	9.034	/	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	1.312	/	Pass
	16QAM	819	6	0	1.311	/	Pass
3	QPSK	819	15	0	2.997	/	Pass
	16QAM	819	15	0	2.996	/	Pass
5	QPSK	819	25	0	5.037	/	Pass
	16QAM	819	25	0	5.004	/	Pass
10	QPSK	819	50	0	10.016	/	Pass
	16QAM	819	50	0	9.904	/	Pass

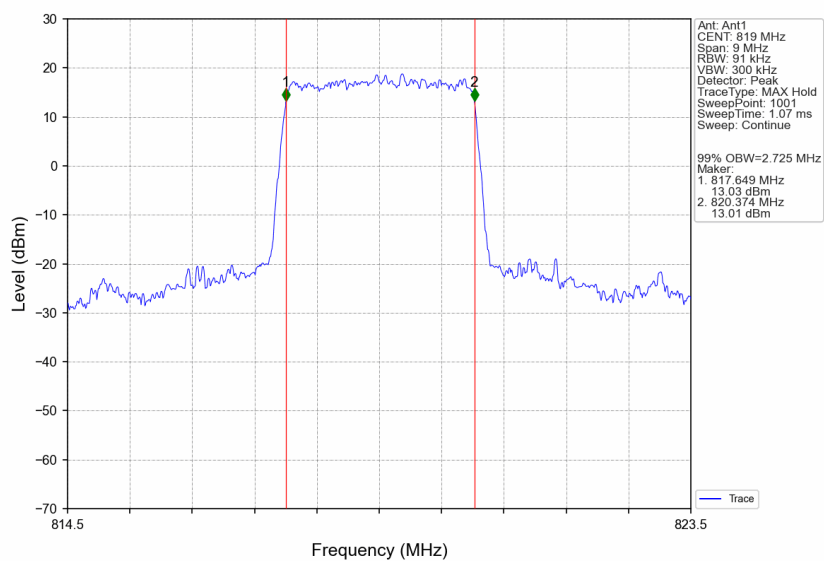
3.2 Test Graph

3.2.1 Band26a\_OBW

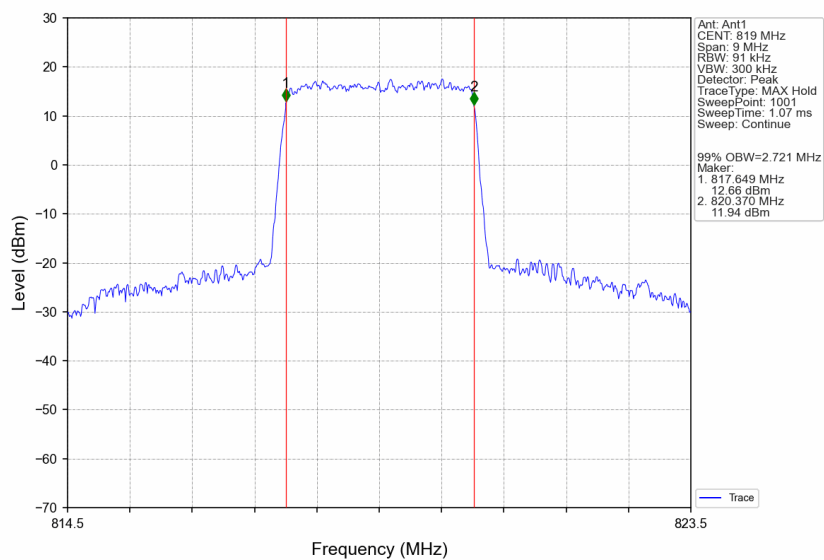




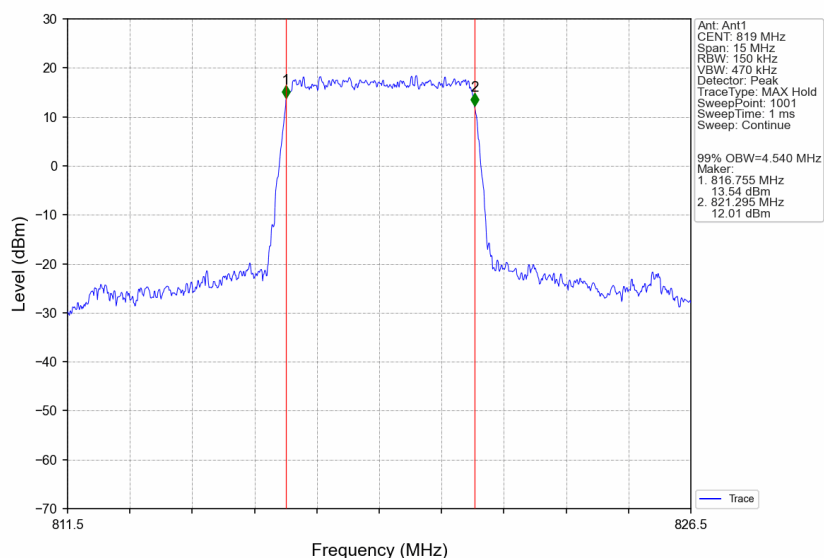
Band26a\_3MHz\_QPSK\_MCH\_819MHz\_RB\_15\_0\_NTNV



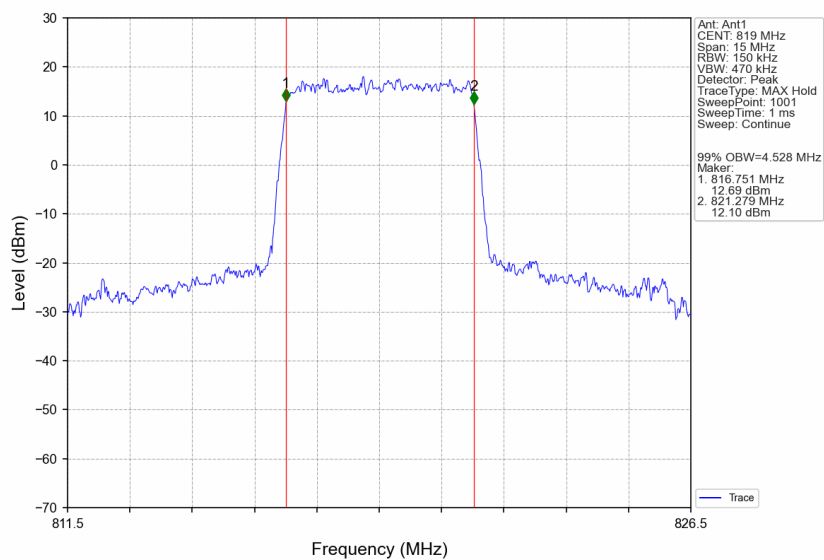
Band26a\_3MHz\_16QAM\_MCH\_819MHz\_RB\_15\_0\_NTNV



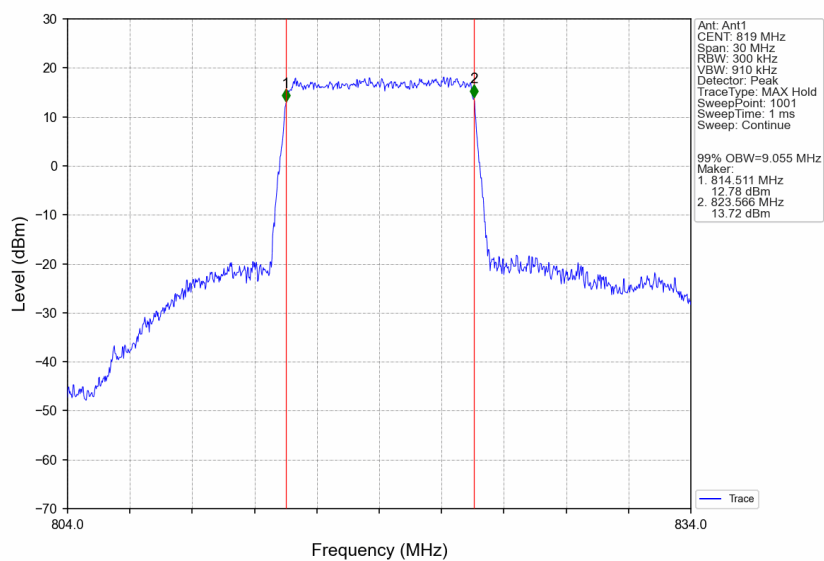
Band26a\_5MHz\_QPSK\_MCH\_819MHz\_RB\_25\_0\_NTNV



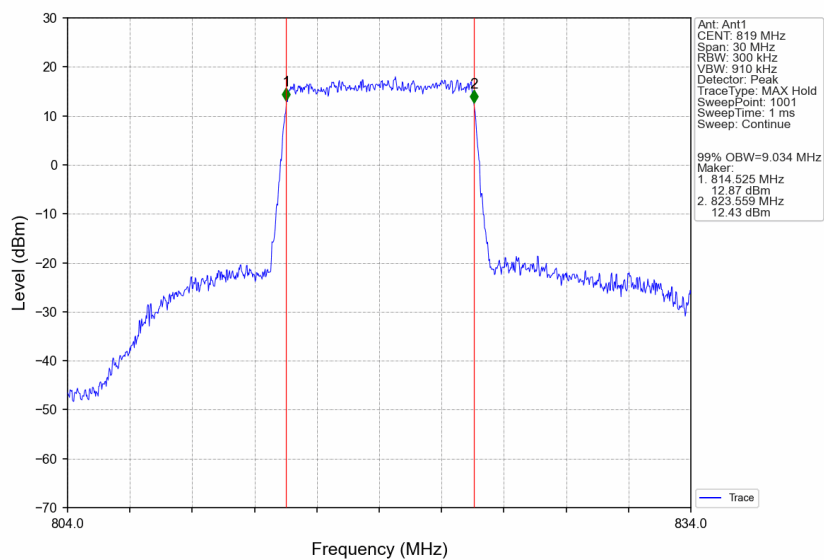
Band26a\_5MHz\_16QAM\_MCH\_819MHz\_RB\_25\_0\_NTNV



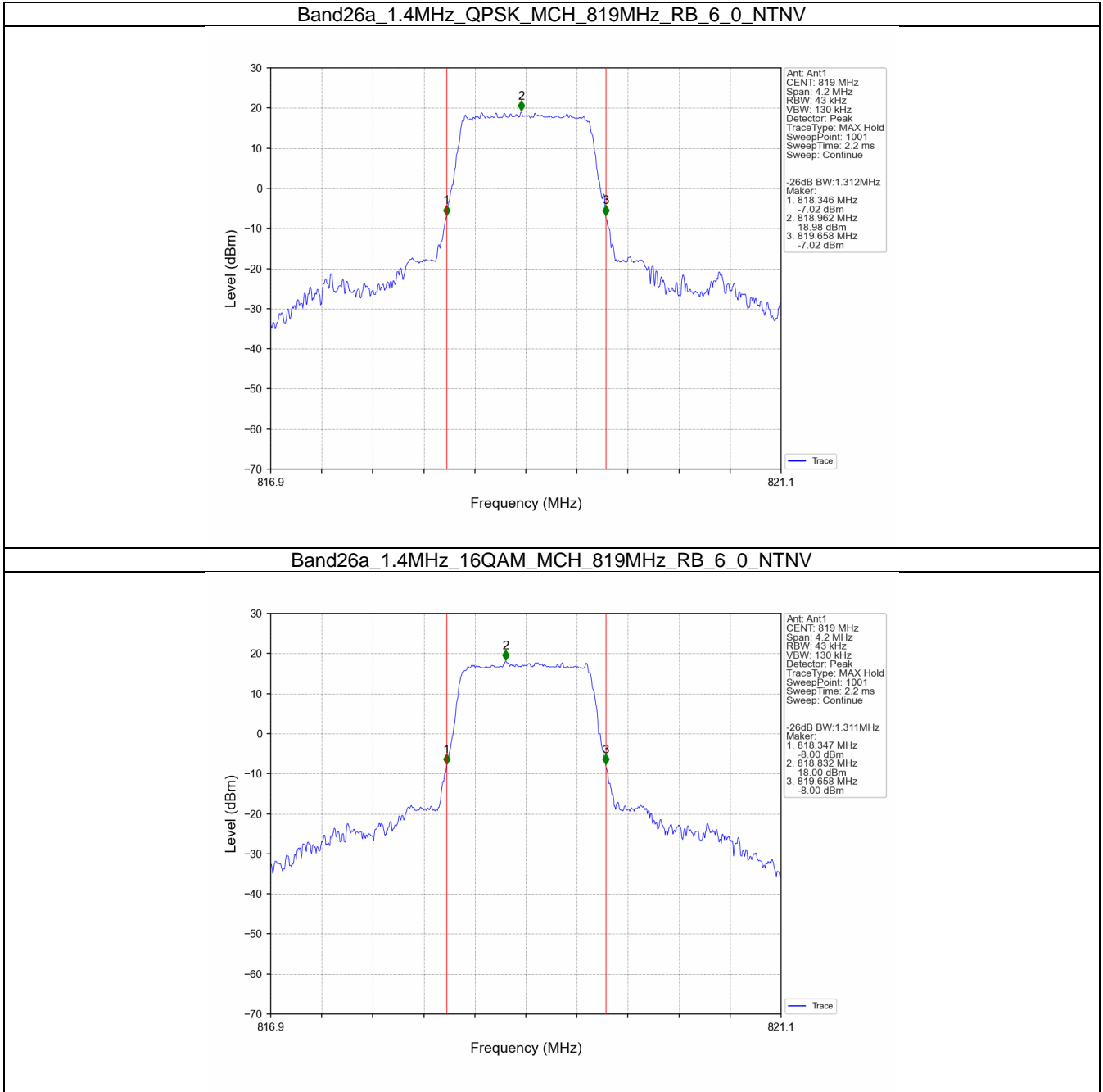
Band26a\_10MHz\_QPSK\_MCH\_819MHz\_RB\_50\_0\_NTNV



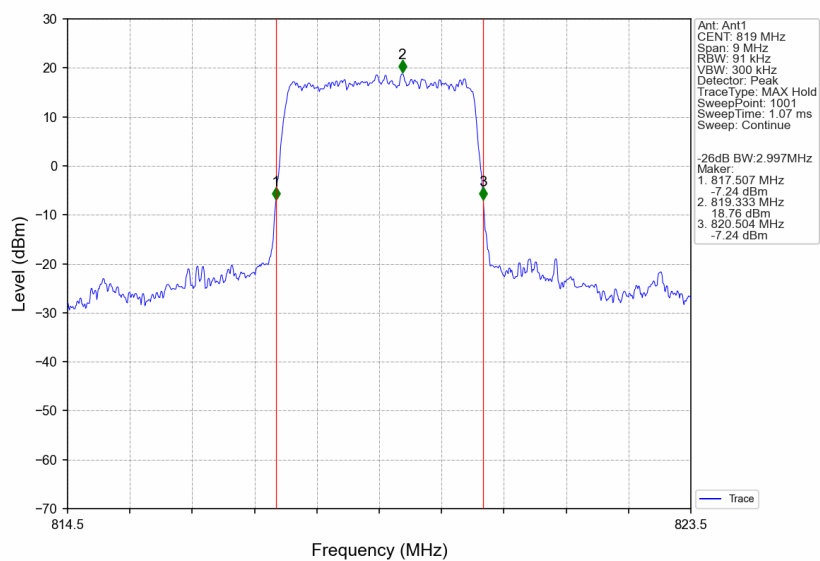
Band26a\_10MHz\_16QAM\_MCH\_819MHz\_RB\_50\_0\_NTNV



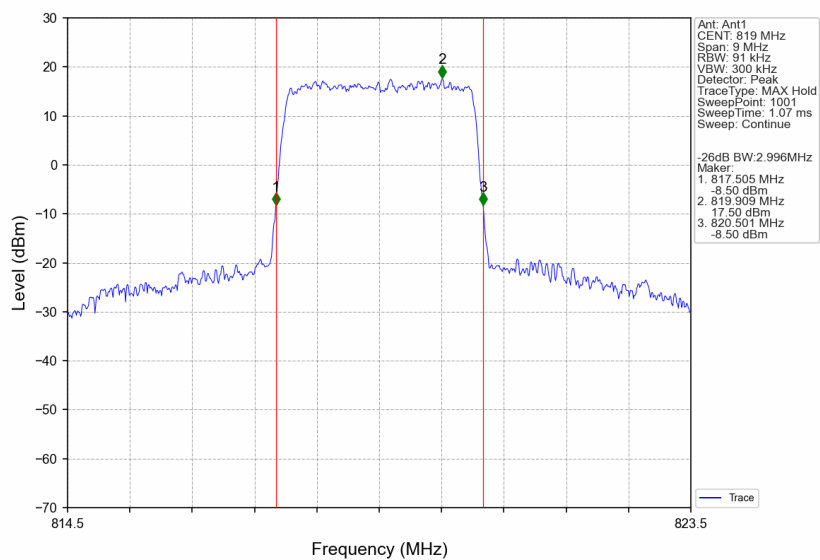
3.2.2 Band26a\_XDB



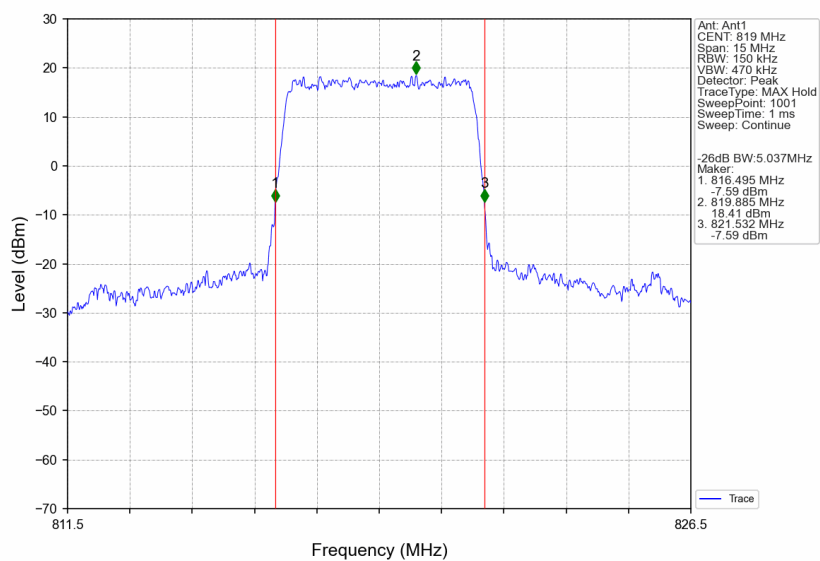
Band26a\_3MHz\_QPSK\_MCH\_819MHz\_RB\_15\_0\_NTNV



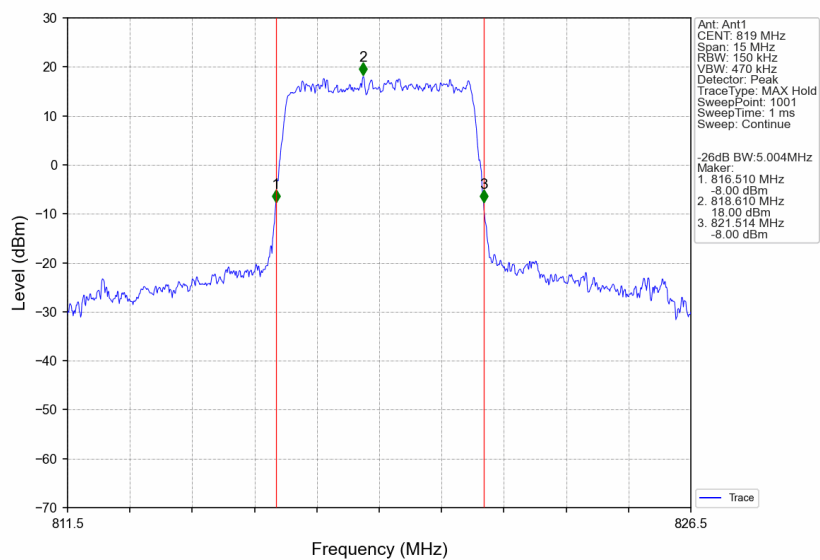
Band26a\_3MHz\_16QAM\_MCH\_819MHz\_RB\_15\_0\_NTNV

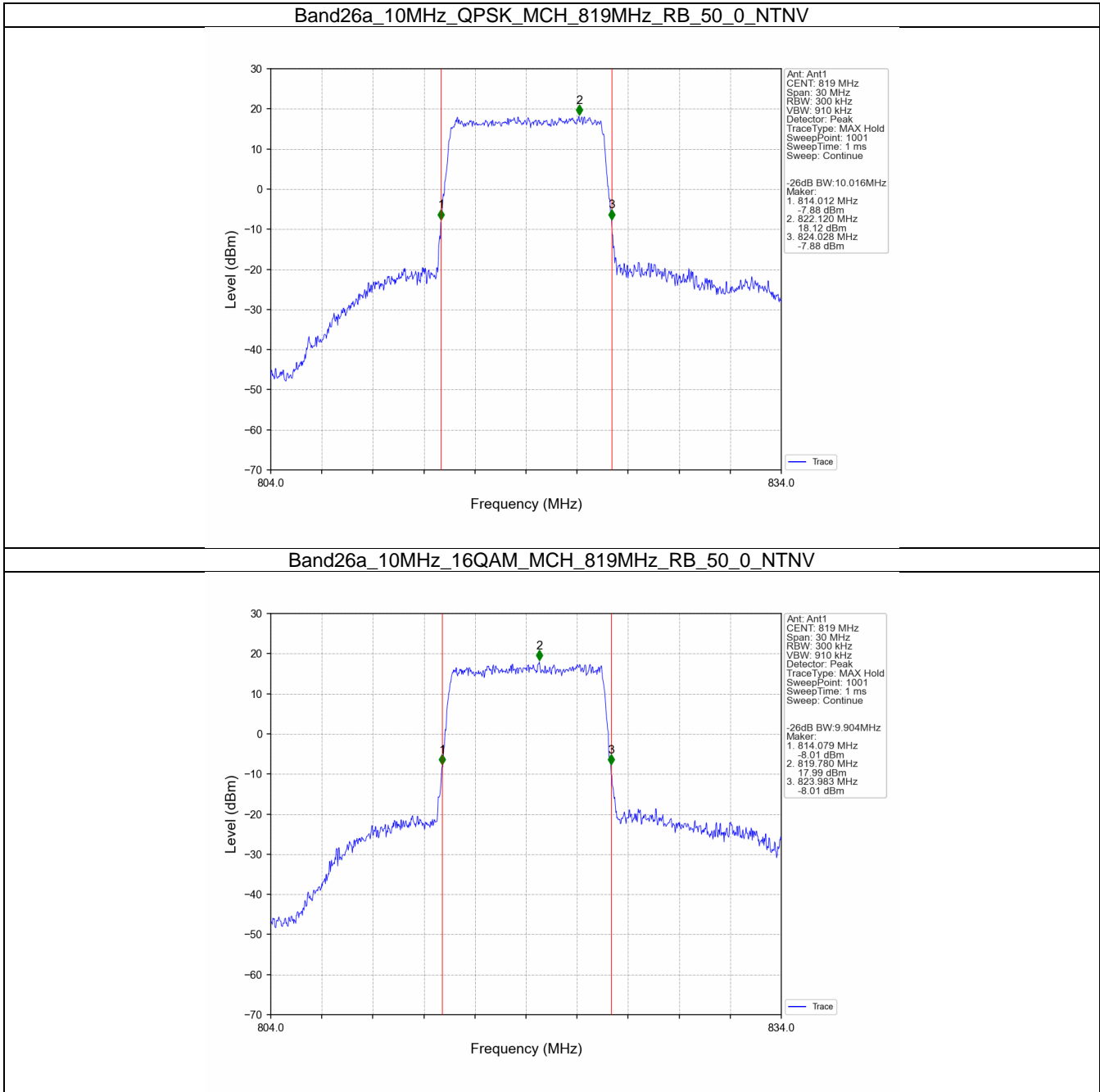


Band26a\_5MHz\_QPSK\_MCH\_819MHz\_RB\_25\_0\_NTNV



Band26a\_5MHz\_16QAM\_MCH\_819MHz\_RB\_25\_0\_NTNV





## 4. Peak-Average Ratio

### 4.1 Test Result

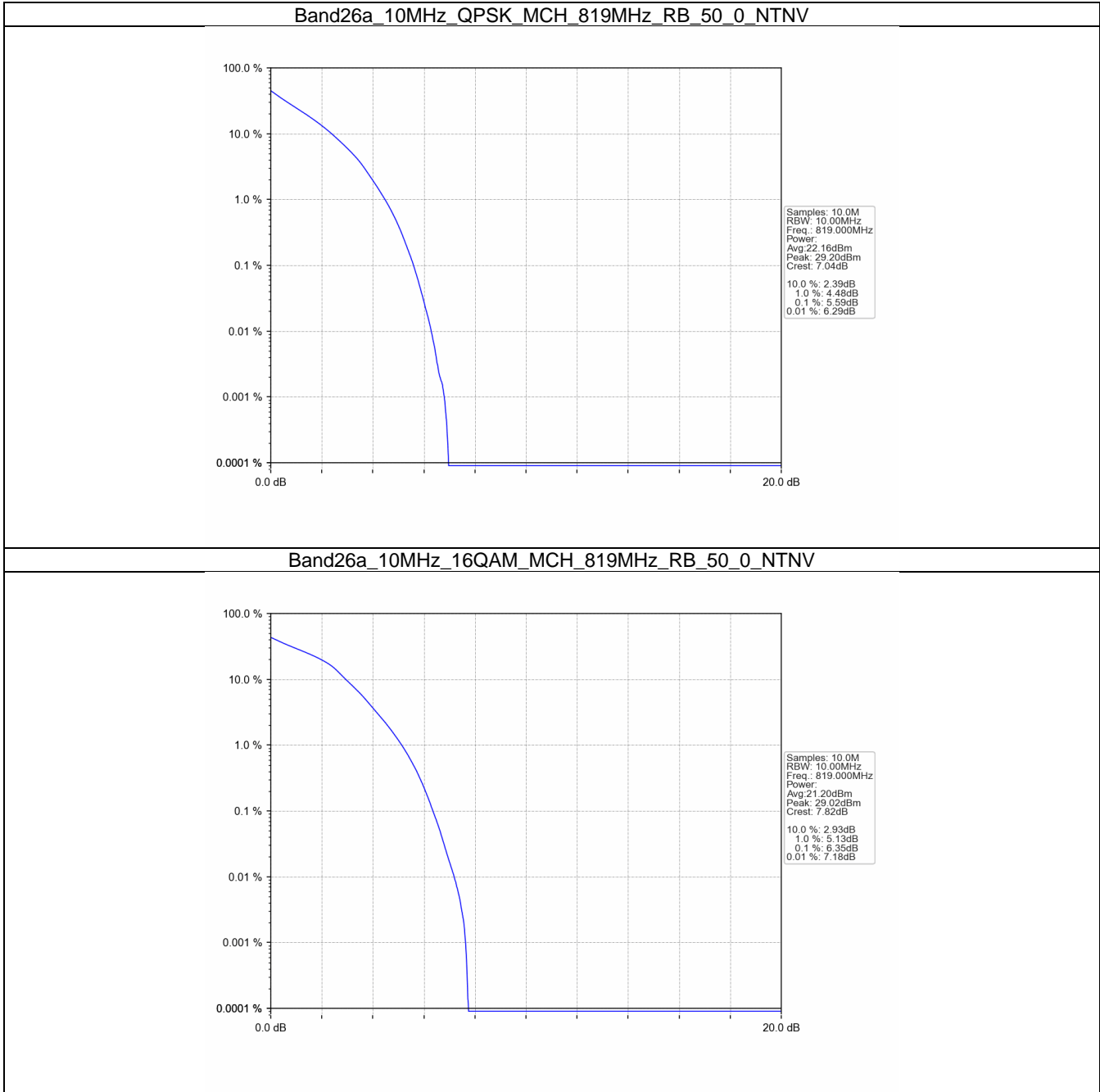
#### 4.1.1 B26a\_10MHz

Band: 26a / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	819	50	0	5.59	<=13	Pass
16QAM	819	50	0	6.35	<=13	Pass
64QAM	819	50	0	6.69	<=13	Pass
256QAM	819	50	0	10.32	<=13	Pass

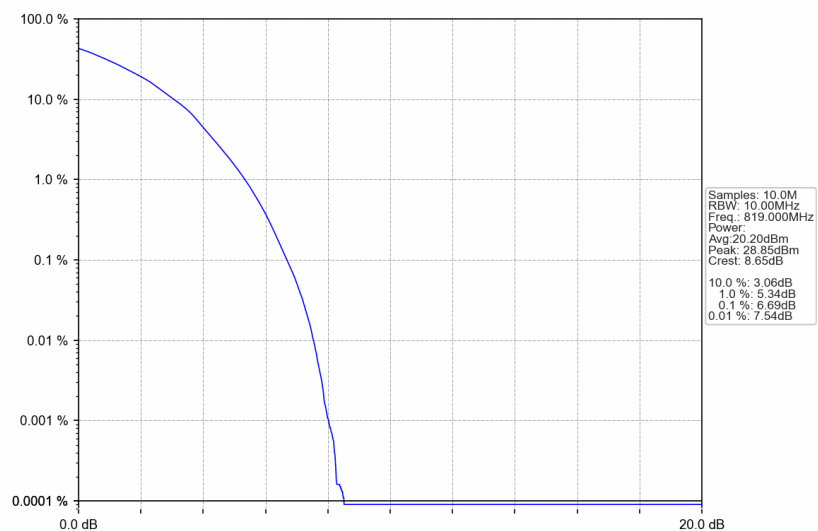


4.2 Test Graph

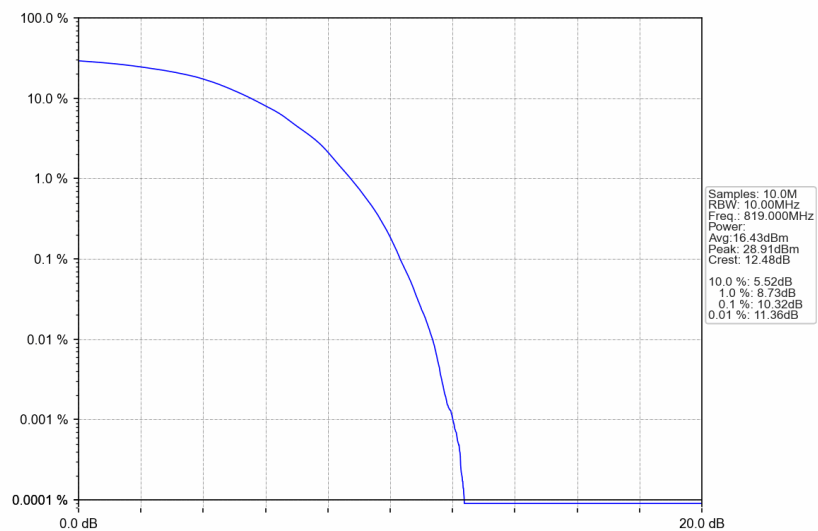
4.2.1 B26a\_10MHz



Band26a\_10MHz\_64QAM\_MCH\_819MHz\_RB\_50\_0\_NTNV



Band26a\_10MHz\_256QAM\_MCH\_819MHz\_RB\_50\_0\_NTNV



## 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

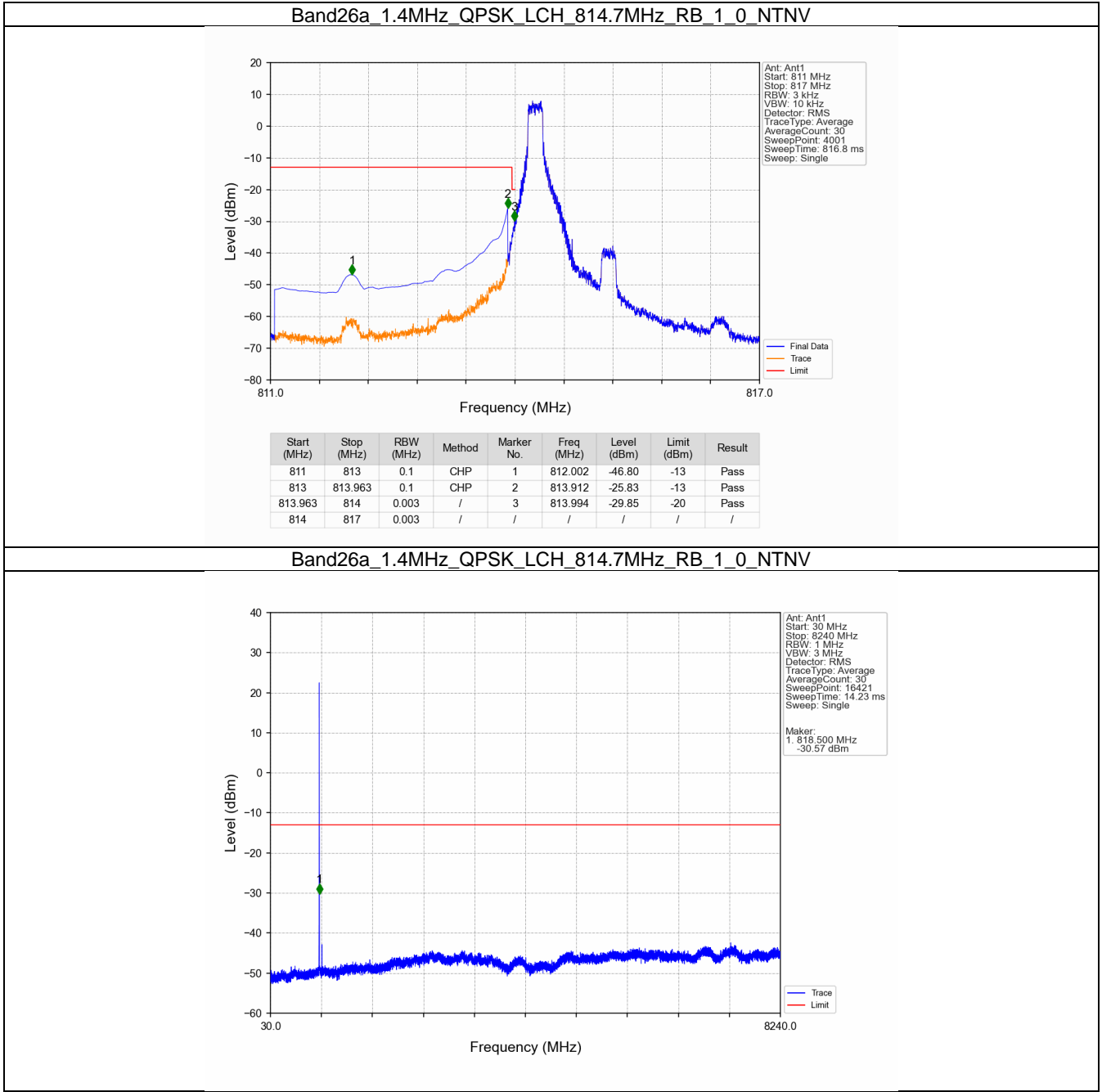
Band: 26a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
	821.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

#### 5.1.4 B26a\_10MHz

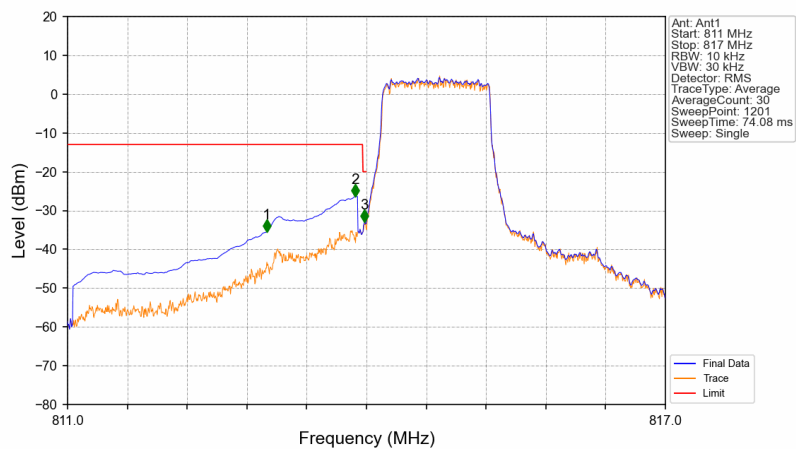
Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	819	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	819	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.2 Test Graph

5.2.1 B26a\_1.4MHz

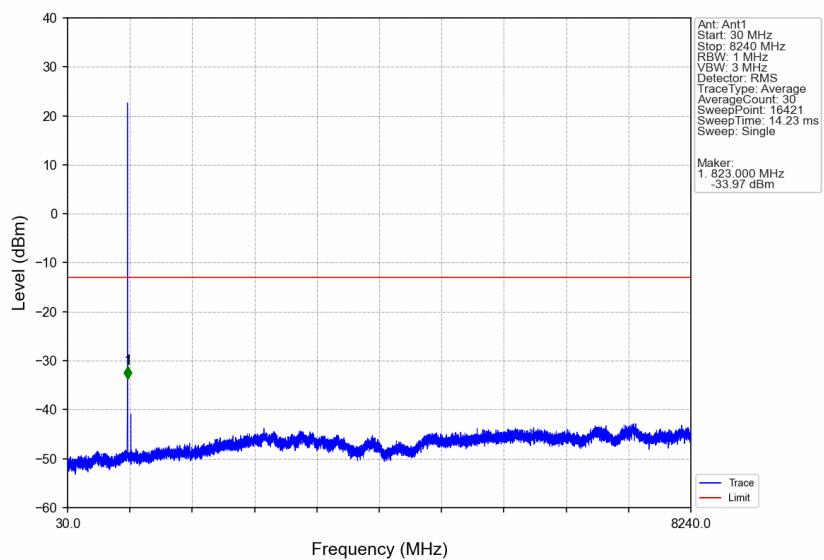


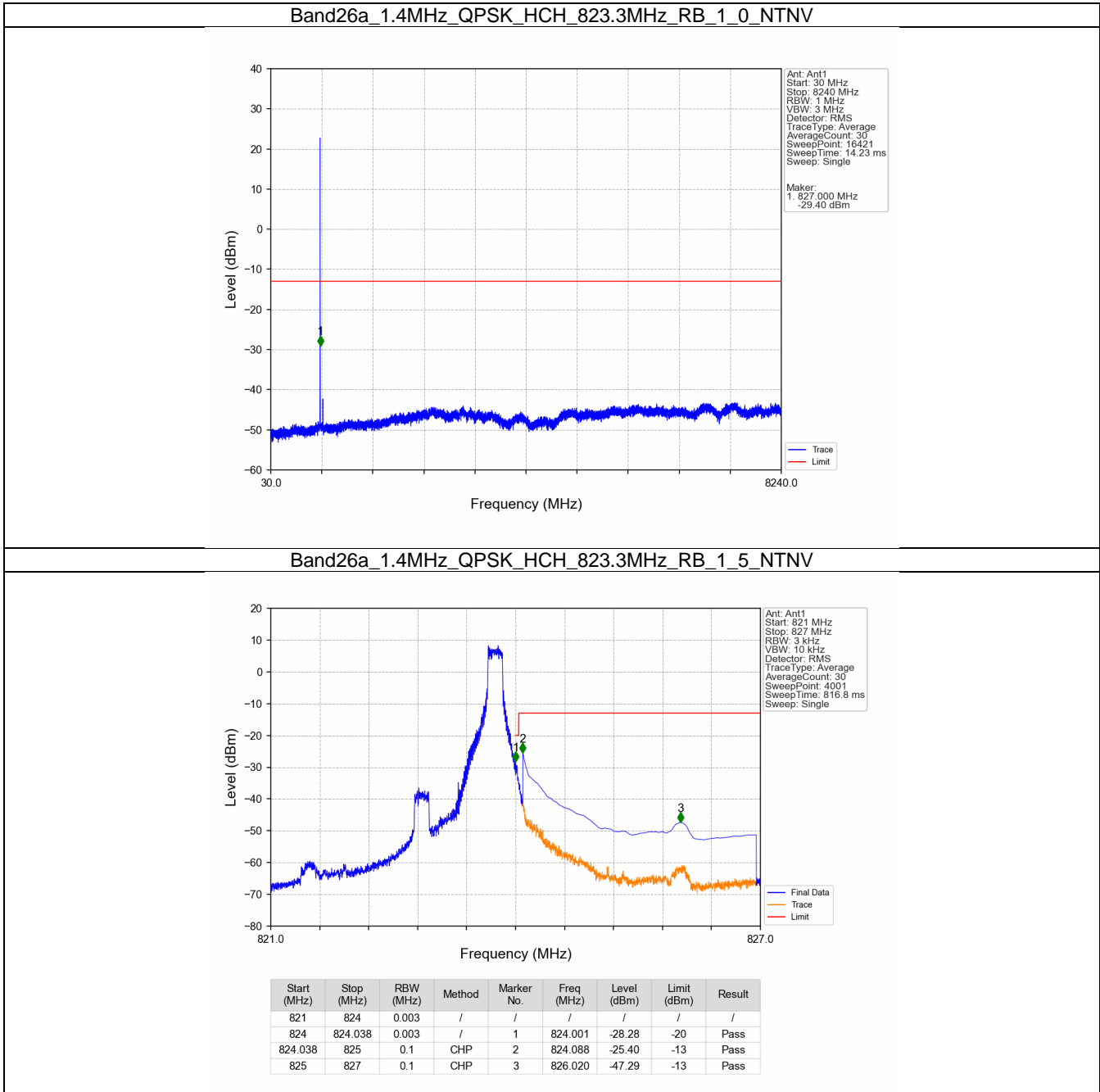
## Band26a\_1.4MHz\_QPSK\_LCH\_814.7MHz\_RB\_6\_0\_NTNV

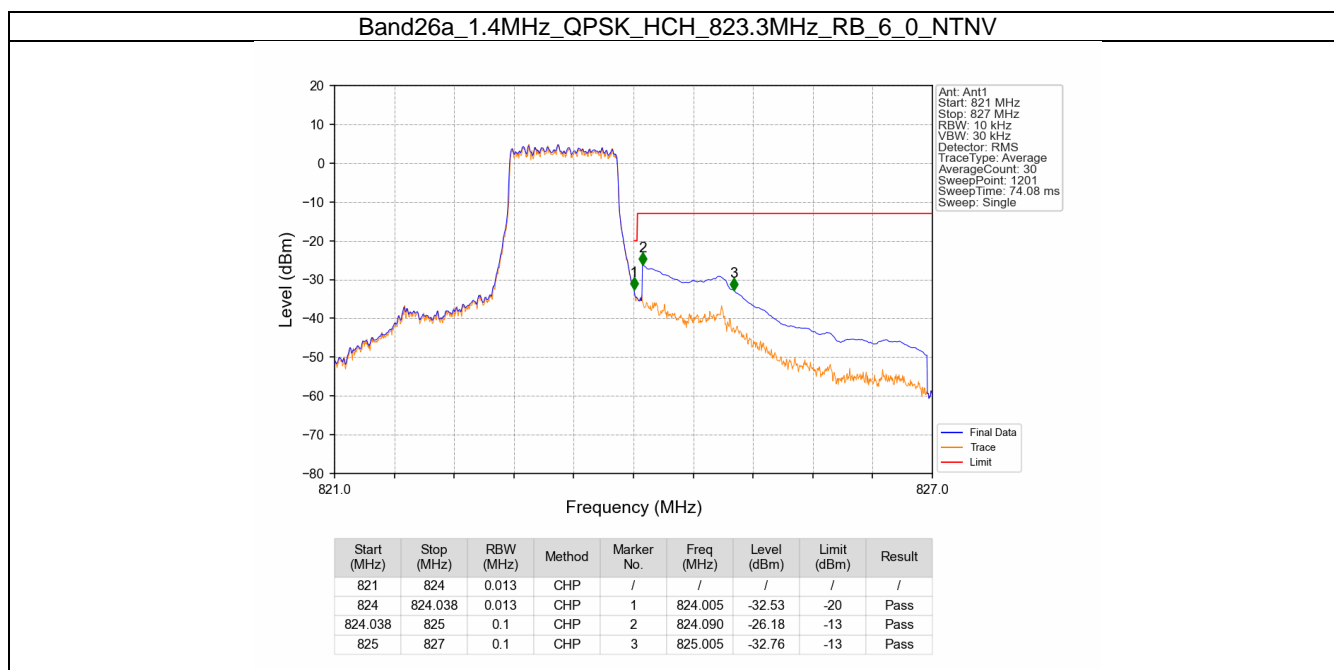


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	813.000	-35.48	-13	Pass
813	813.963	0.1	CHP	2	813.890	-26.31	-13	Pass
813.963	814	0.013	CHP	3	813.980	-32.95	-20	Pass
814	817	0.013	CHP	/	/	/	/	/

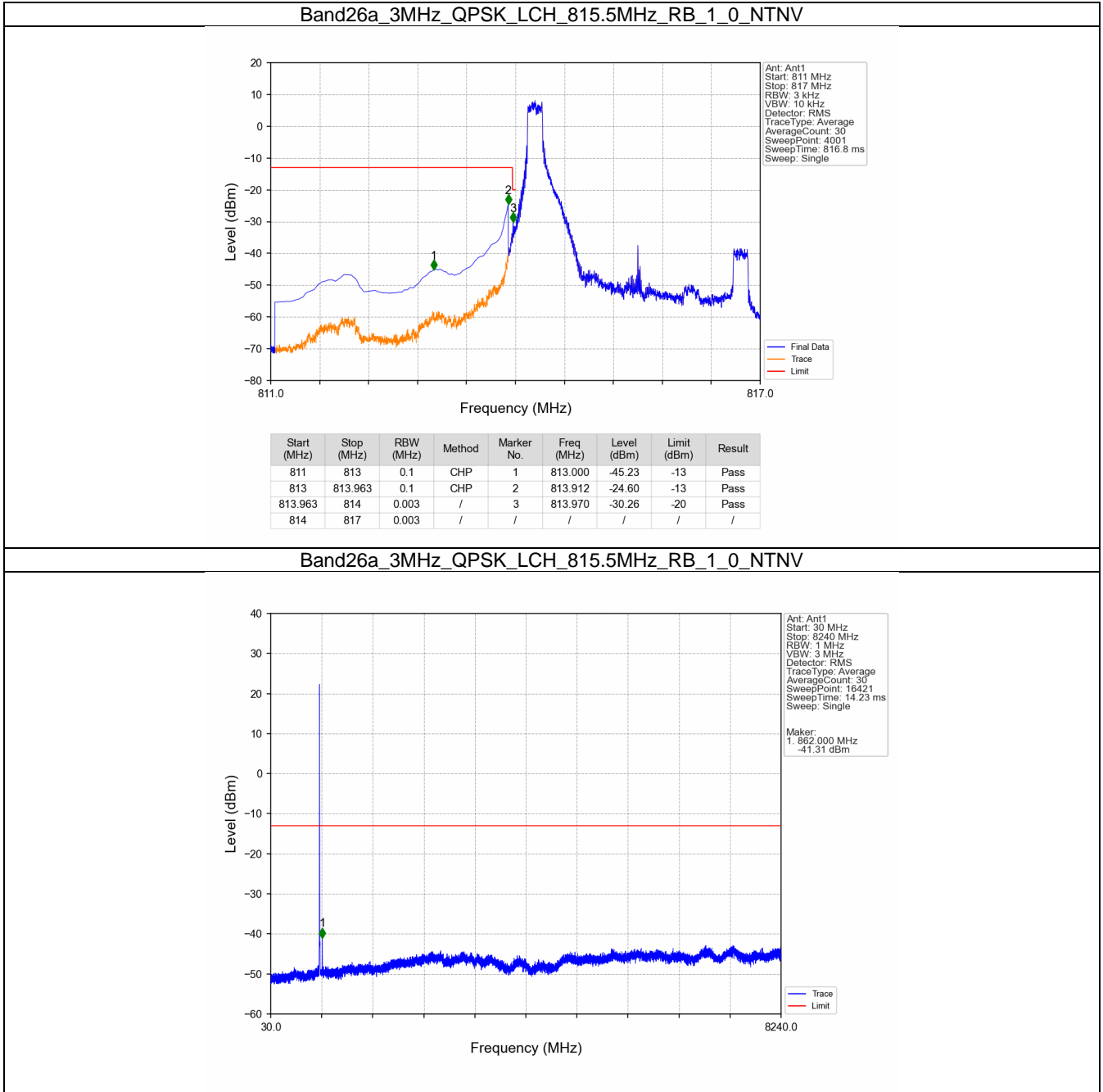
## Band26a\_1.4MHz\_QPSK\_MCH\_819MHz\_RB\_1\_0\_NTNV





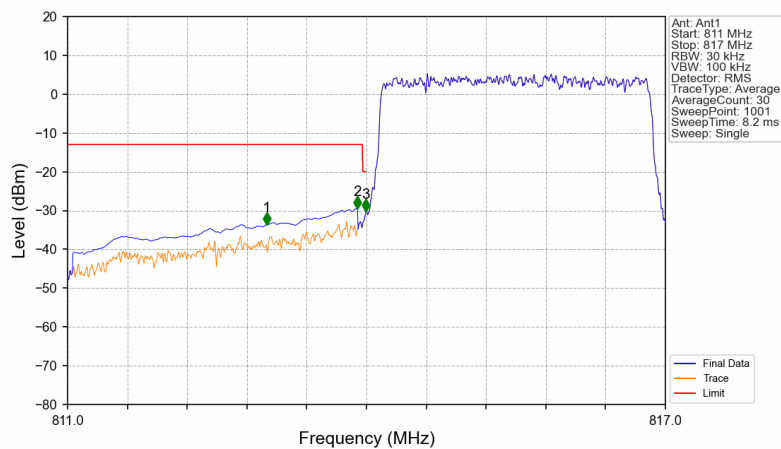


5.2.2 B26a\_3MHz



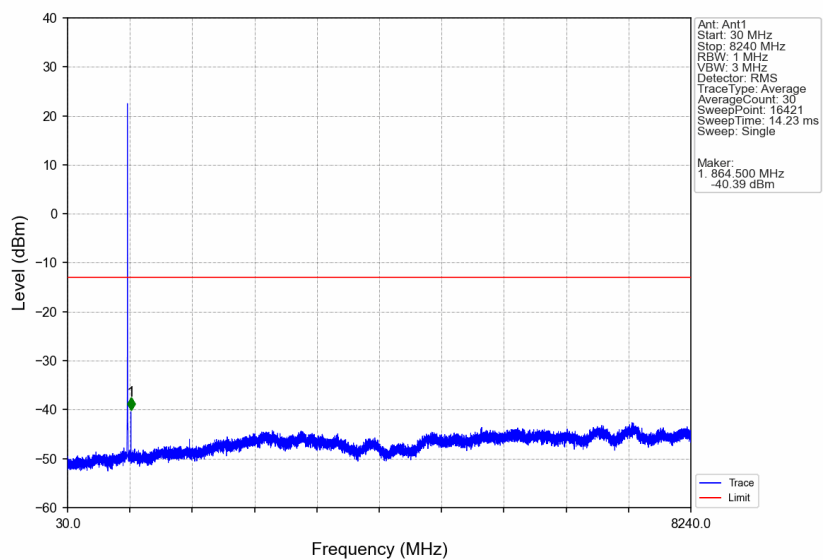


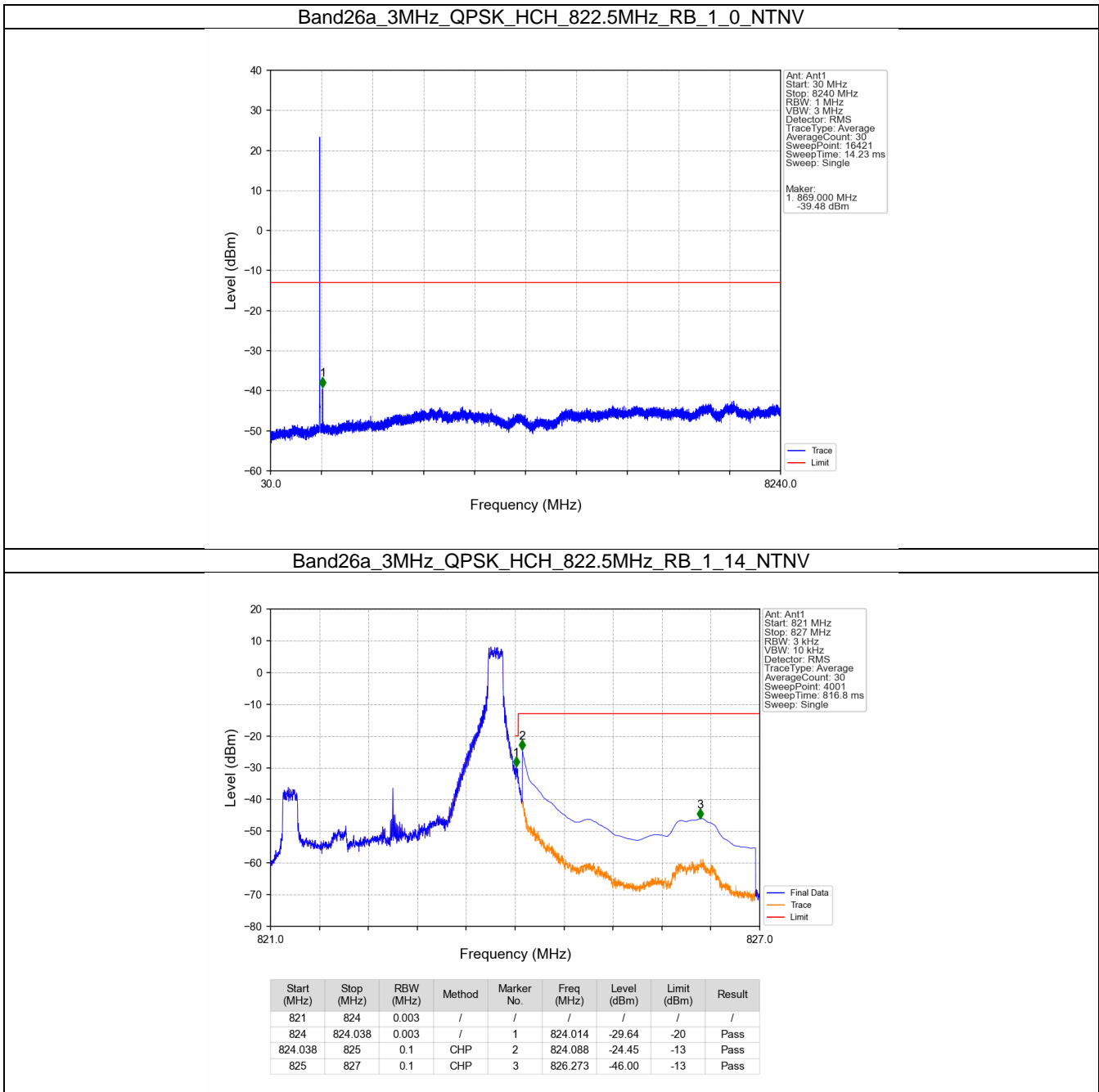
## Band26a\_3MHz\_QPSK\_LCH\_815.5MHz\_RB\_15\_0\_NTNV

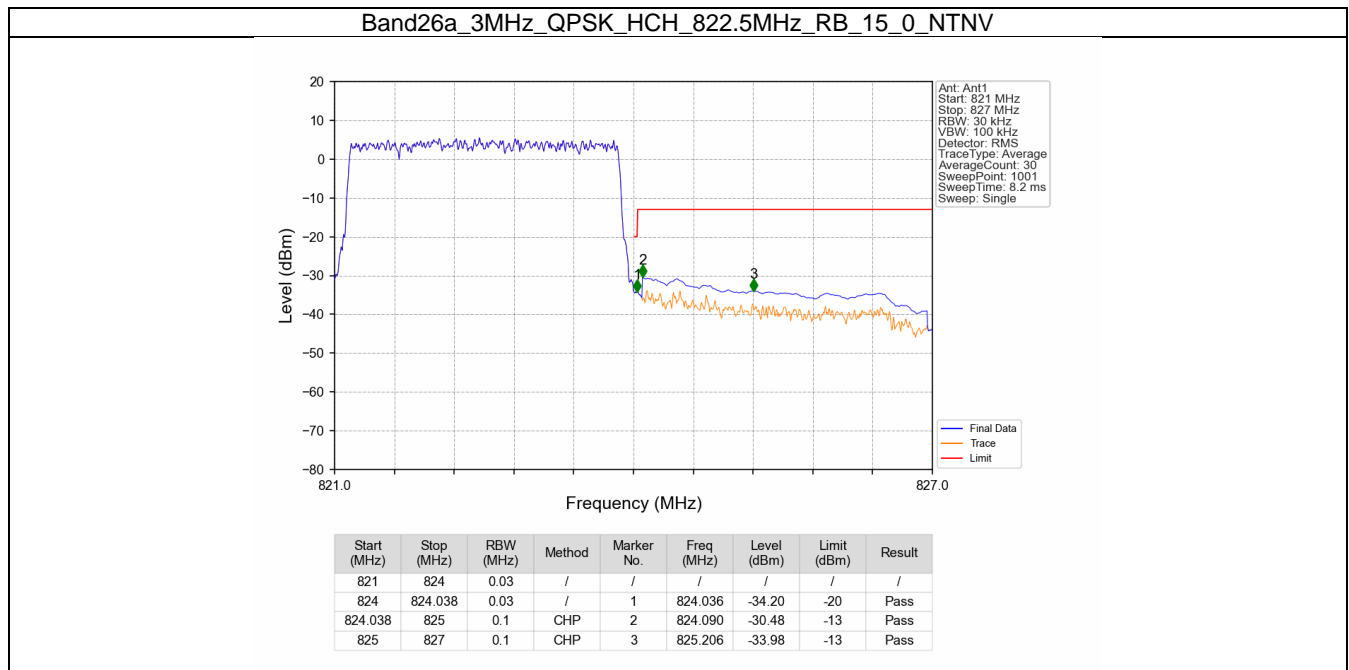


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	812.998	-33.63	-13	Pass
813	813.963	0.1	CHP	2	813.910	-29.44	-13	Pass
813.963	814	0.03	/	3	813.994	-30.30	-20	Pass
814	817	0.03	/	/	/	/	/	/

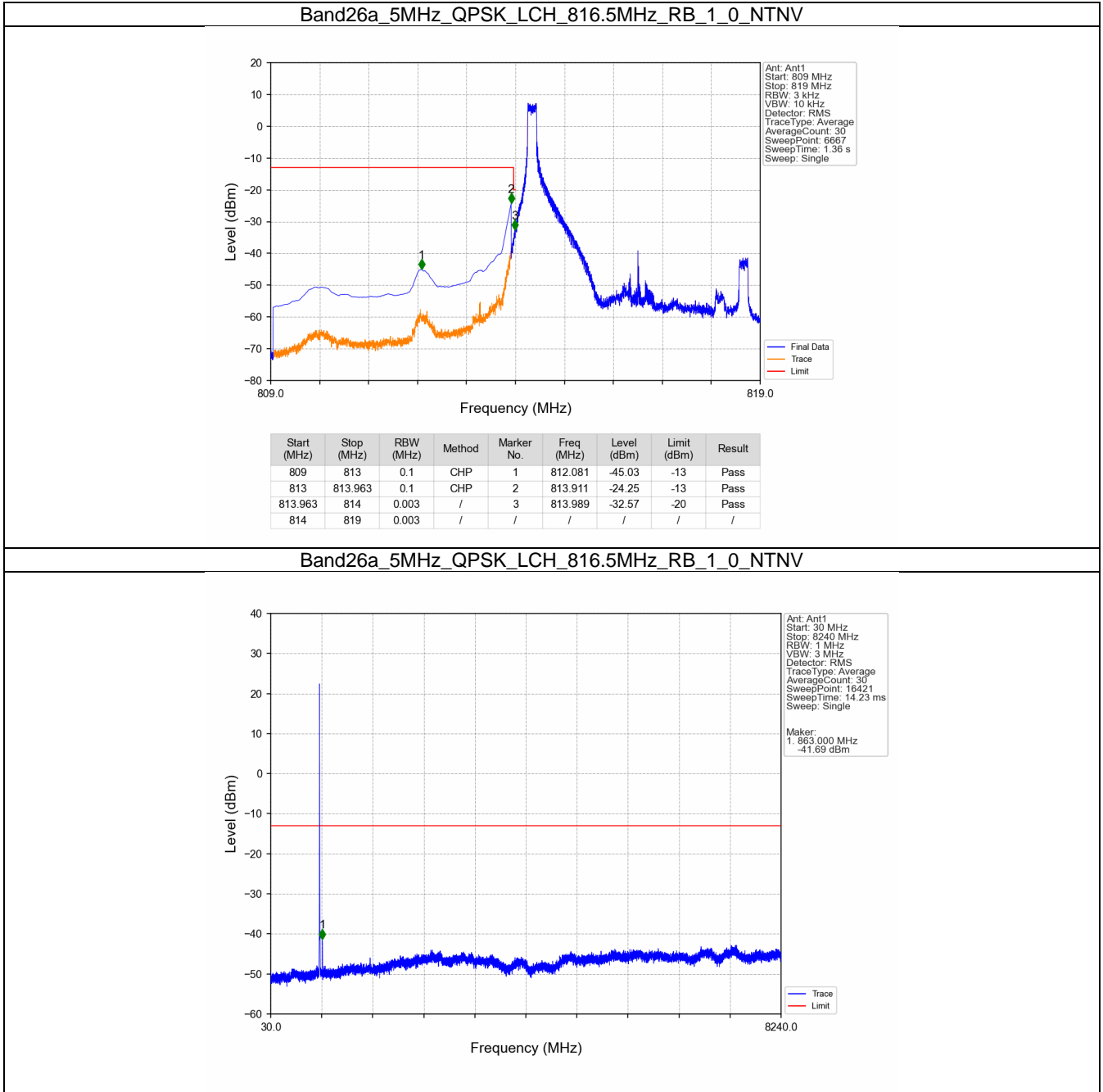
## Band26a\_3MHz\_QPSK\_MCH\_819MHz\_RB\_1\_0\_NTNV



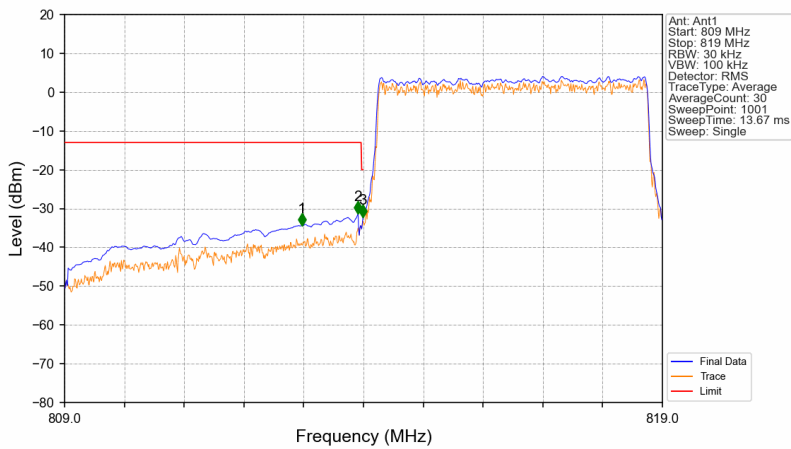




5.2.3 B26a\_5MHz

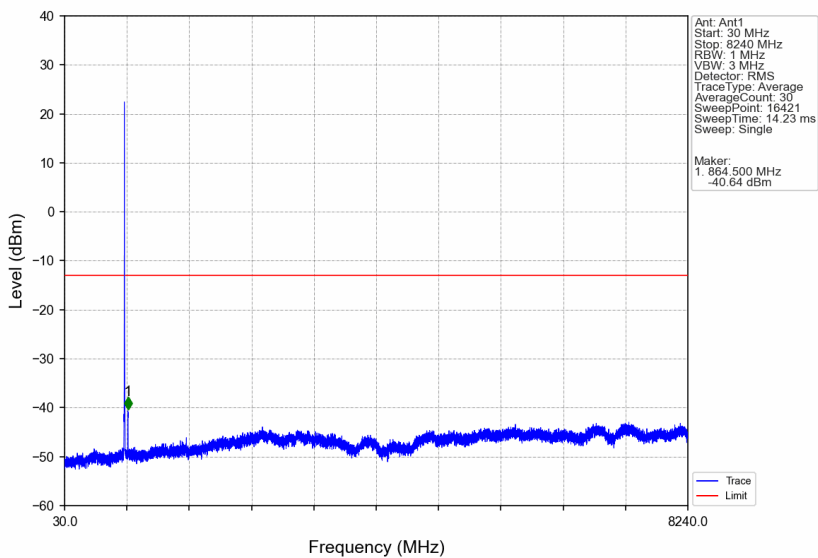


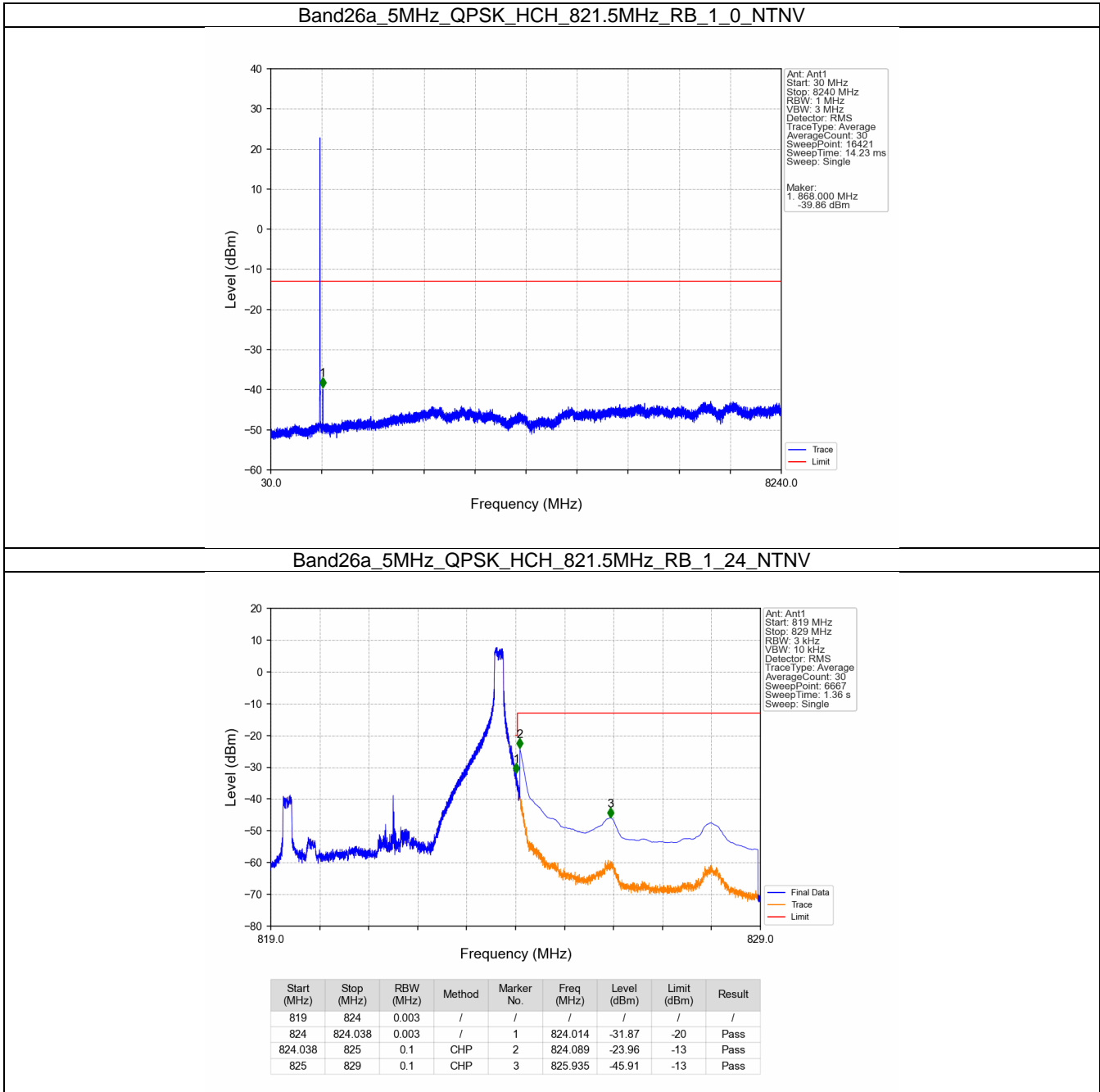
Band26a\_5MHz\_QPSK\_LCH\_816.5MHz\_RB\_25\_0\_NTNV

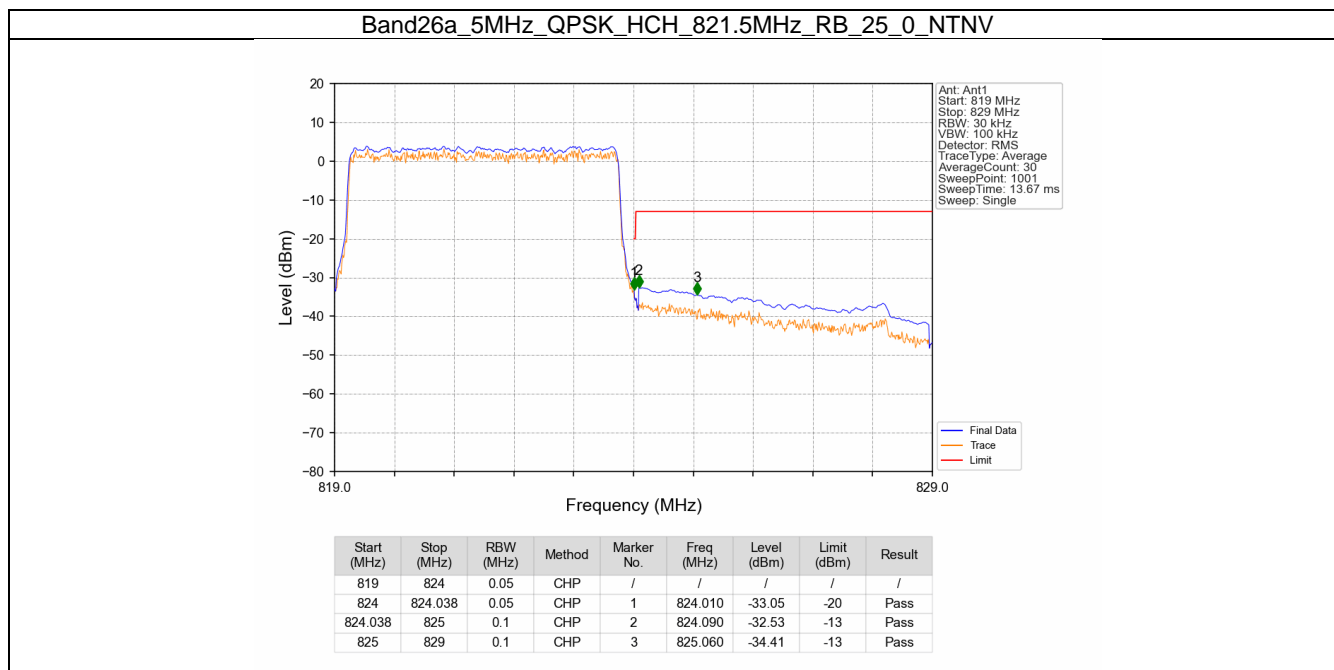


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.970	-34.33	-13	Pass
813	813.963	0.1	CHP	2	813.910	-31.27	-13	Pass
813.963	814	0.05	CHP	3	813.990	-32.27	-20	Pass
814	819	0.05	CHP	/	/	/	/	/

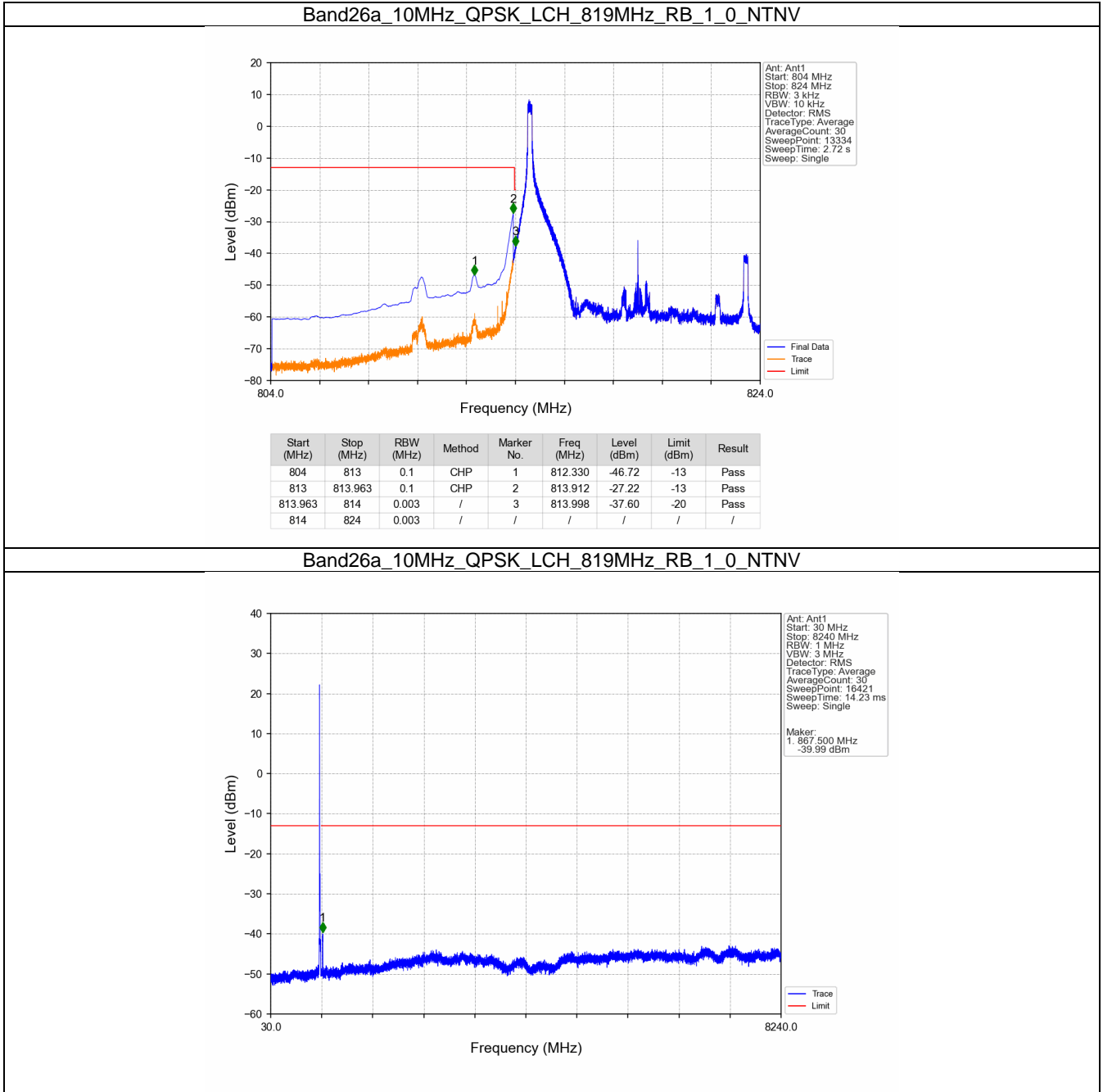
Band26a\_5MHz\_QPSK\_MCH\_819MHz\_RB\_1\_0\_NTNV





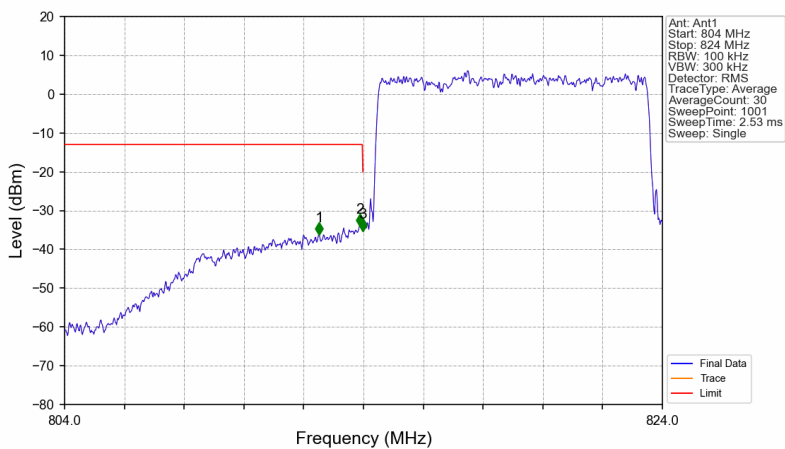


5.2.4 B26a\_10MHz



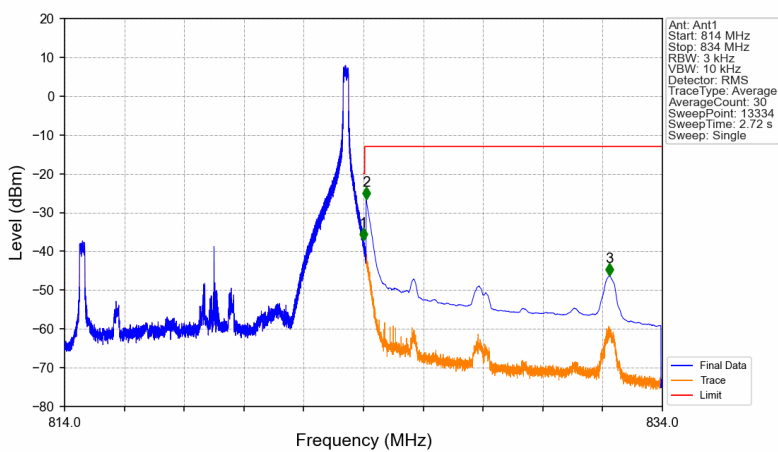


## Band26a\_10MHz\_QPSK\_LCH\_819MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
804	813	0.1	/	1	812.520	-36.17	-13	Pass
813	813.963	0.1	/	2	813.880	-34.07	-13	Pass
813.963	814	0.1	/	3	813.980	-35.25	-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	824.001	-37.12	-20	Pass
824.038	825	0.1	CHP	2	824.088	-26.55	-13	Pass
825	834	0.1	CHP	3	832.230	-46.24	-13	Pass

