

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B26b_1.4MHz_ERP

Band: 26b / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	22.73	5.17	25.75	<=38.45	Pass
			5	22.74	5.17	25.76	<=38.45	Pass
		6	0	21.68	5.17	24.70	<=38.45	Pass
	836.5	1	0	22.73	5.17	25.75	<=38.45	Pass
			5	22.67	5.17	25.69	<=38.45	Pass
		6	0	21.64	5.17	24.66	<=38.45	Pass
	848.3	1	0	23.01	5.17	26.03	<=38.45	Pass
			5	22.81	5.17	25.83	<=38.45	Pass
		6	0	21.95	5.17	24.97	<=38.45	Pass
16QAM	824.7	1	0	21.53	5.17	24.55	<=38.45	Pass
			5	21.60	5.17	24.62	<=38.45	Pass
		6	0	20.86	5.17	23.88	<=38.45	Pass
	836.5	1	0	21.76	5.17	24.78	<=38.45	Pass
			5	21.51	5.17	24.53	<=38.45	Pass
		6	0	20.70	5.17	23.72	<=38.45	Pass
	848.3	1	0	22.15	5.17	25.17	<=38.45	Pass
			5	21.75	5.17	24.77	<=38.45	Pass
		6	0	21.05	5.17	24.07	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B26b_3MHz_ERP

Band: 26b / Bandwidth: 3MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	22.69	5.17	25.71	<=38.45	Pass
			14	22.56	5.17	25.58	<=38.45	Pass
		15	0	21.68	5.17	24.70	<=38.45	Pass
	836.5	1	0	22.81	5.17	25.83	<=38.45	Pass
			14	22.67	5.17	25.69	<=38.45	Pass
		15	0	21.81	5.17	24.83	<=38.45	Pass
	847.5	1	0	22.95	5.17	25.97	<=38.45	Pass
			14	22.60	5.17	25.62	<=38.45	Pass
		15	0	22.00	5.17	25.02	<=38.45	Pass
16QAM	825.5	1	0	21.68	5.17	24.70	<=38.45	Pass
			14	21.91	5.17	24.93	<=38.45	Pass
		15	0	20.76	5.17	23.78	<=38.45	Pass
	836.5	1	0	21.79	5.17	24.81	<=38.45	Pass
			14	21.98	5.17	25.00	<=38.45	Pass
		15	0	20.89	5.17	23.91	<=38.45	Pass
	847.5	1	0	22.00	5.17	25.02	<=38.45	Pass
			14	21.99	5.17	25.01	<=38.45	Pass
		15	0	21.13	5.17	24.15	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B26b_5MHz_ERP

Band: 26b / Bandwidth: 5MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	22.86	5.17	25.88	<=38.45	Pass
			24	22.69	5.17	25.71	<=38.45	Pass
		25	0	21.69	5.17	24.71	<=38.45	Pass
	836.5	1	0	22.95	5.17	25.97	<=38.45	Pass
			24	22.70	5.17	25.72	<=38.45	Pass
		25	0	21.75	5.17	24.77	<=38.45	Pass
	846.5	1	0	22.94	5.17	25.96	<=38.45	Pass
			24	22.86	5.17	25.88	<=38.45	Pass
		25	0	22.24	5.17	25.26	<=38.45	Pass
16QAM	826.5	1	0	21.91	5.17	24.93	<=38.45	Pass
			24	21.91	5.17	24.93	<=38.45	Pass
		25	0	20.90	5.17	23.92	<=38.45	Pass
	836.5	1	0	22.10	5.17	25.12	<=38.45	Pass
			24	21.98	5.17	25.00	<=38.45	Pass
		25	0	20.88	5.17	23.90	<=38.45	Pass
	846.5	1	0	22.25	5.17	25.27	<=38.45	Pass
			24	22.27	5.17	25.29	<=38.45	Pass
		25	0	21.17	5.17	24.19	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B26b_10MHz_ERP

Band: 26b / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	23.15	5.17	26.17	<=38.45	Pass
			49	23.25	5.17	26.27	<=38.45	Pass
		50	0	22.09	5.17	25.11	<=38.45	Pass
	836.5	1	0	23.13	5.17	26.15	<=38.45	Pass
			49	22.93	5.17	25.95	<=38.45	Pass
		50	0	21.95	5.17	24.97	<=38.45	Pass
	844	1	0	23.04	5.17	26.06	<=38.45	Pass
			49	23.14	5.17	26.16	<=38.45	Pass
		50	0	22.13	5.17	25.15	<=38.45	Pass
16QAM	829	1	0	22.46	5.17	25.48	<=38.45	Pass
			49	22.60	5.17	25.62	<=38.45	Pass
	836.5	1	0	21.91	5.17	24.93	<=38.45	Pass
			49	21.95	5.17	24.97	<=38.45	Pass
	844	1	0	21.87	5.17	24.89	<=38.45	Pass
49			22.03	5.17	25.05	<=38.45	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.5 B26b_15MHz_ERP

Band: 26b / Bandwidth: 15MHz / NTNV						
Modulation	Frequency	RB Allocation		Conducted Power	Gain	ERP (dBm)
						Verdict

	(MHz)	Size	Offset	(dBm)	(dBi)	Result	Limit	
QPSK	831.5	1	0	22.93	5.17	25.95	<=38.45	Pass
			74	23.09	5.17	26.11	<=38.45	Pass
		75	0	22.10	5.17	25.12	<=38.45	Pass
	836.5	1	0	22.87	5.17	25.89	<=38.45	Pass
			74	22.92	5.17	25.94	<=38.45	Pass
		75	0	22.11	5.17	25.13	<=38.45	Pass
	841.5	1	0	23.06	5.17	26.08	<=38.45	Pass
			74	23.17	5.17	26.19	<=38.45	Pass
		75	0	22.05	5.17	25.07	<=38.45	Pass
16QAM	831.5	1	0	22.00	5.17	25.02	<=38.45	Pass
			74	22.12	5.17	25.14	<=38.45	Pass
	836.5	1	0	21.87	5.17	24.89	<=38.45	Pass
			74	21.99	5.17	25.01	<=38.45	Pass
	841.5	1	0	21.92	5.17	24.94	<=38.45	Pass
			74	22.10	5.17	25.12	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B26b_10MHz

Band: 26b / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	836.5	50	0	20	3.40	0.873	0.0010	-2.5 to 2.5	Pass
					3.80	-0.272	-0.0003	-2.5 to 2.5	Pass
					4.20	-0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.80	0.629	0.0008	-2.5 to 2.5	Pass
				-20	3.80	0.186	0.0002	-2.5 to 2.5	Pass
				-10	3.80	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.80	1.087	0.0013	-2.5 to 2.5	Pass
				10	3.80	0.086	0.0001	-2.5 to 2.5	Pass
				30	3.80	-0.157	-0.0002	-2.5 to 2.5	Pass
				40	3.80	0.529	0.0006	-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 Band26b_OBW

Band: 26b / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.109	/	Pass
	16QAM	836.5	6	0	1.108	/	Pass
3	QPSK	836.5	15	0	2.731	/	Pass

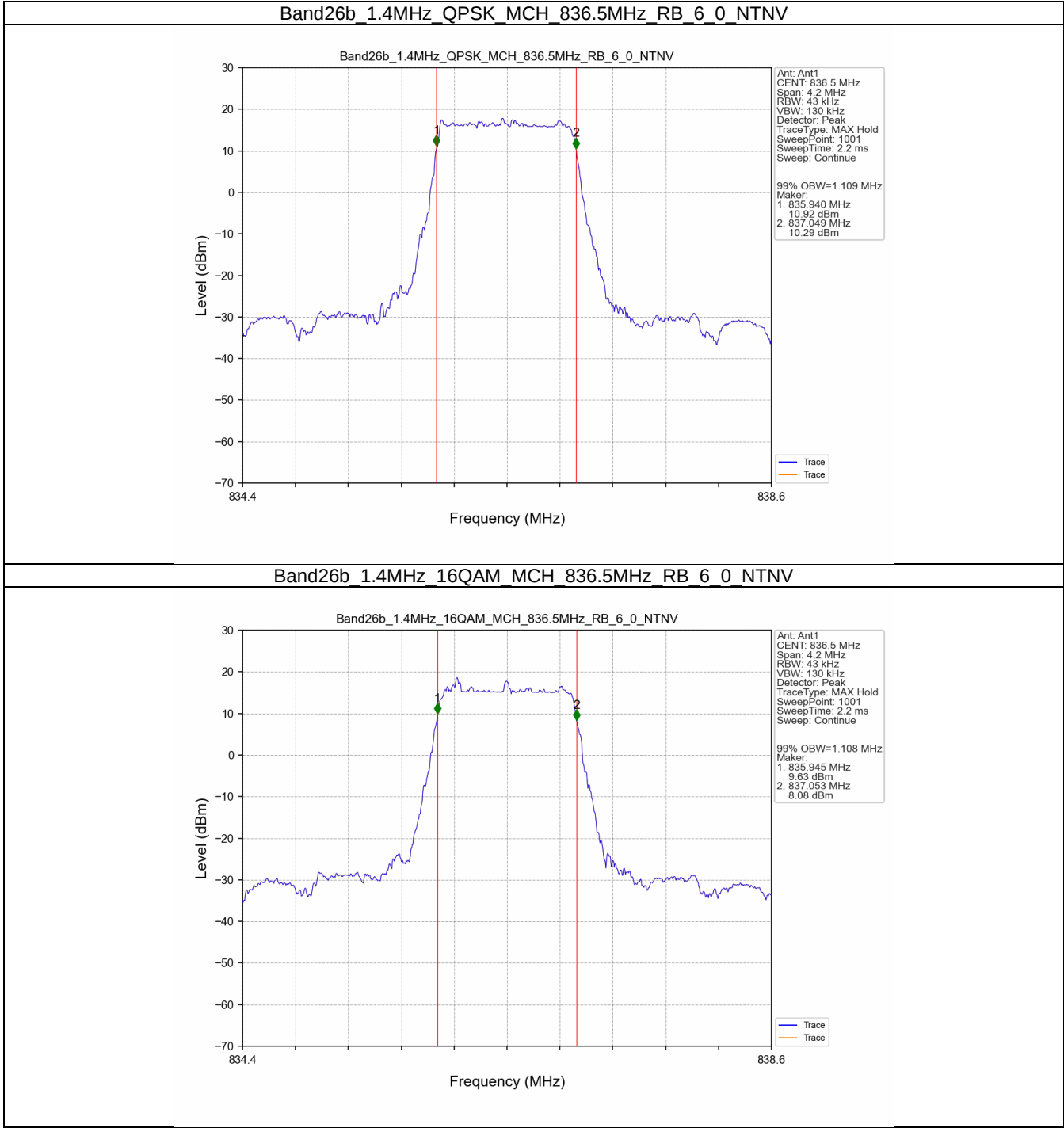
	16QAM	836.5	15	0	2.742	/	Pass
5	QPSK	836.5	25	0	4.539	/	Pass
	16QAM	836.5	25	0	4.522	/	Pass
10	QPSK	836.5	50	0	9.061	/	Pass
	16QAM	836.5	27	0	5.067	/	Pass
15	QPSK	836.5	75	0	13.641	/	Pass
	16QAM	836.5	27	0	5.428	/	Pass

3.1.2 Band26b_XDB

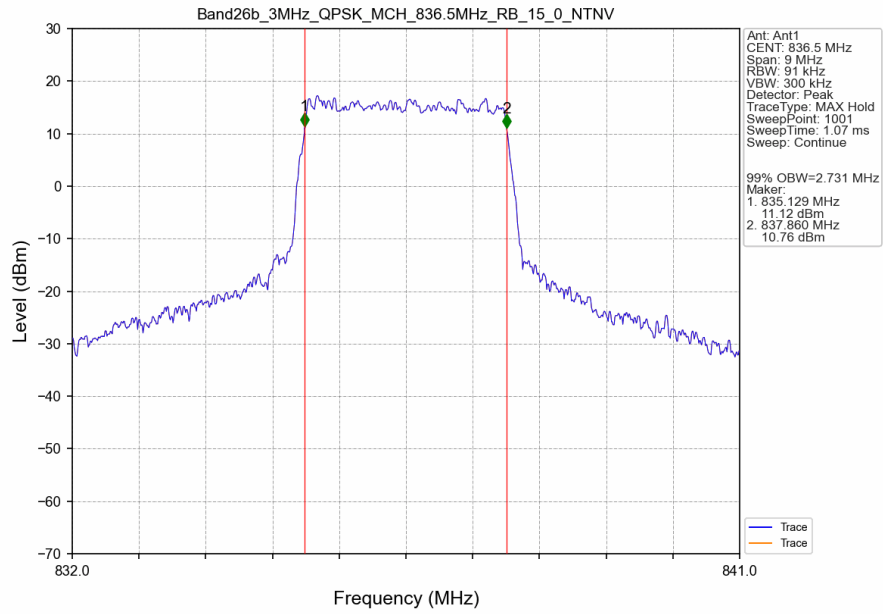
Band: 26b / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.303	/	Pass
	16QAM	836.5	6	0	1.318	/	Pass
3	QPSK	836.5	15	0	3.034	/	Pass
	16QAM	836.5	15	0	3.033	/	Pass
5	QPSK	836.5	25	0	5.122	/	Pass
	16QAM	836.5	25	0	5.062	/	Pass
10	QPSK	836.5	50	0	10.388	/	Pass
	16QAM	836.5	27	0	6.229	/	Pass
15	QPSK	836.5	75	0	15.553	/	Pass
	16QAM	836.5	27	0	7.020	/	Pass

3.2 Test Graph

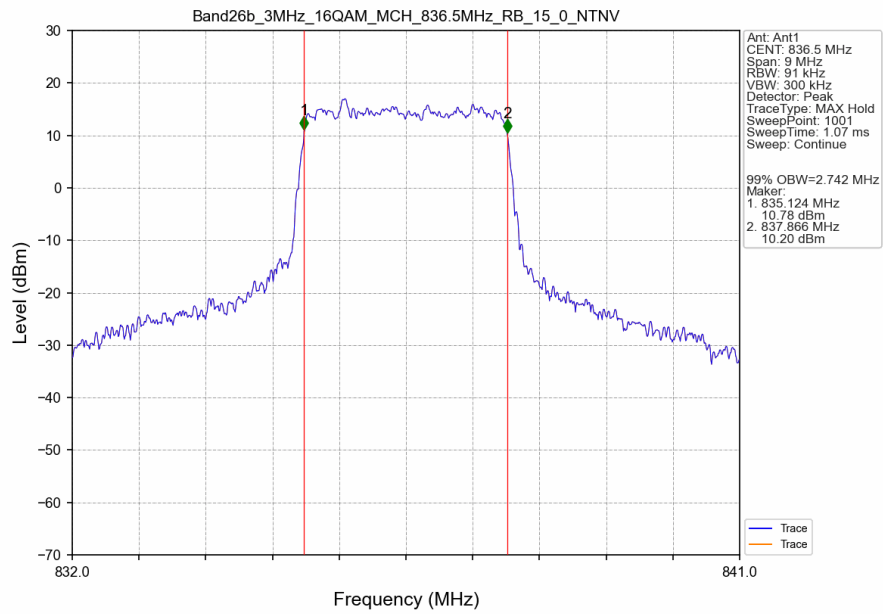
3.2.1 Band26b_OBW



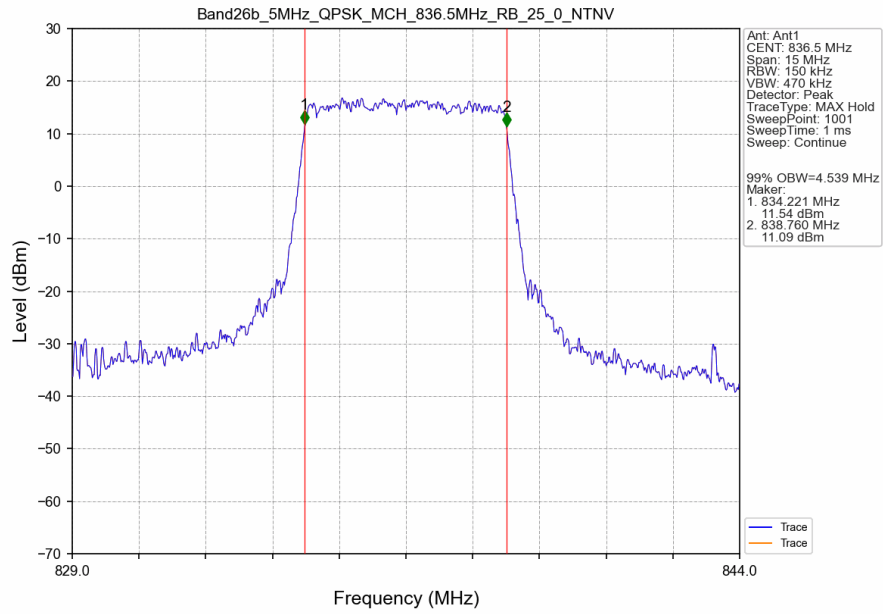
Band26b 3MHz QPSK MCH 836.5MHz RB 15 0 NTN



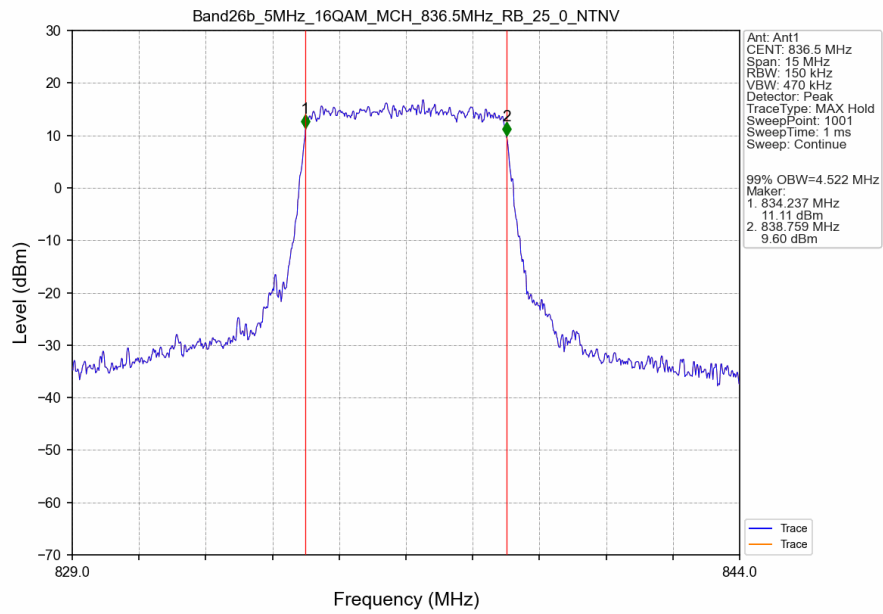
Band26b 3MHz 16QAM MCH 836.5MHz RB 15 0 NTN



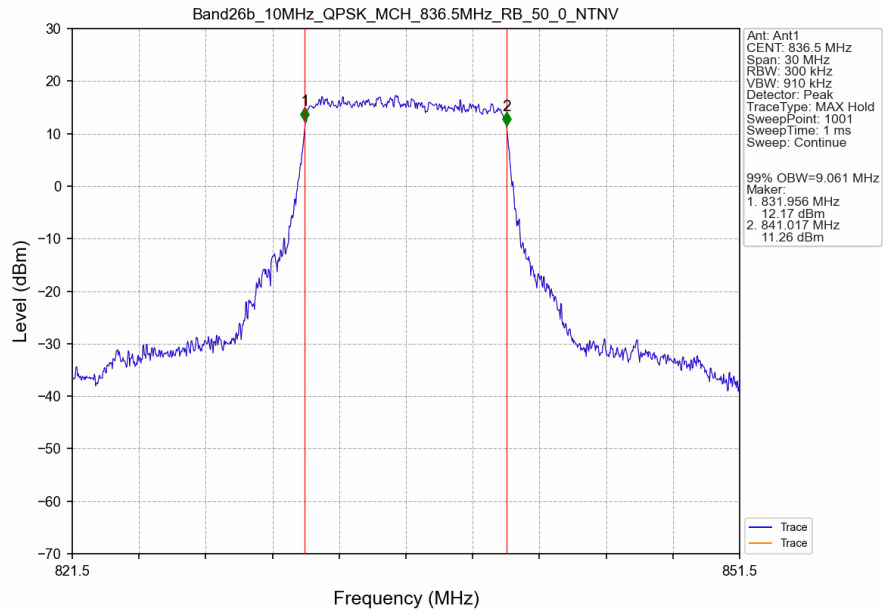
Band26b 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



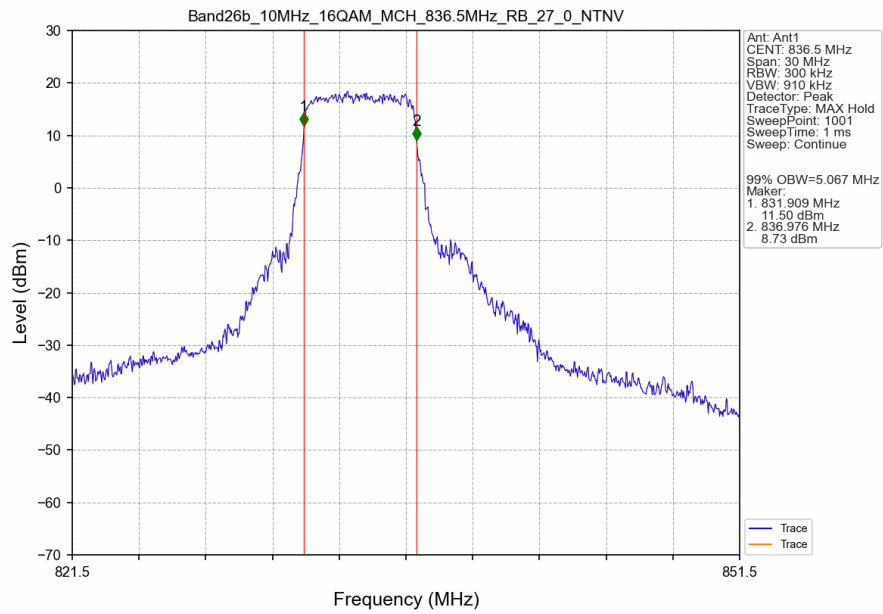
Band26b 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



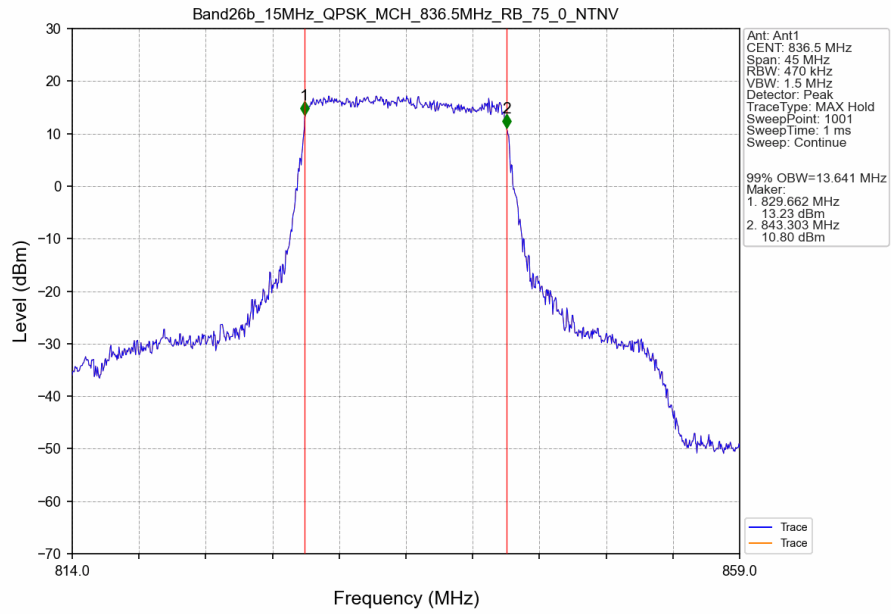
Band26b_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



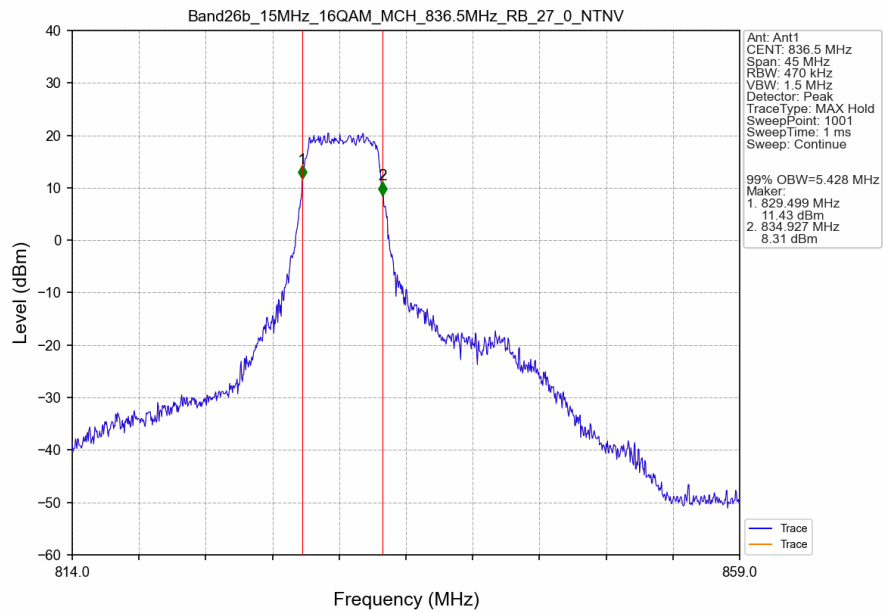
Band26b_10MHz_16QAM_MCH_836.5MHz_RB_27_0_NTNV



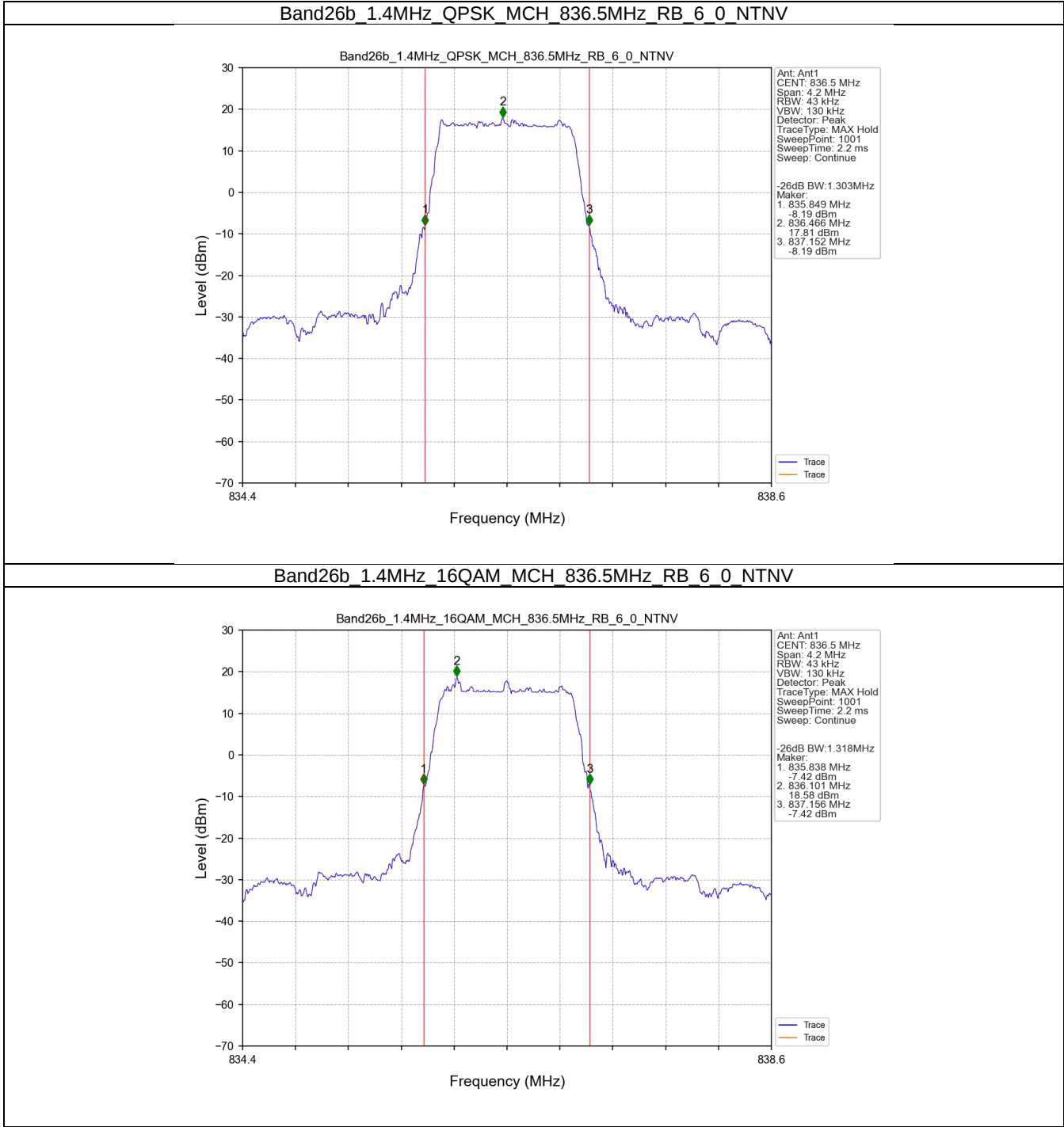
Band26b_15MHz_QPSK_MCH_836.5MHz_RB_75_0_NTNV



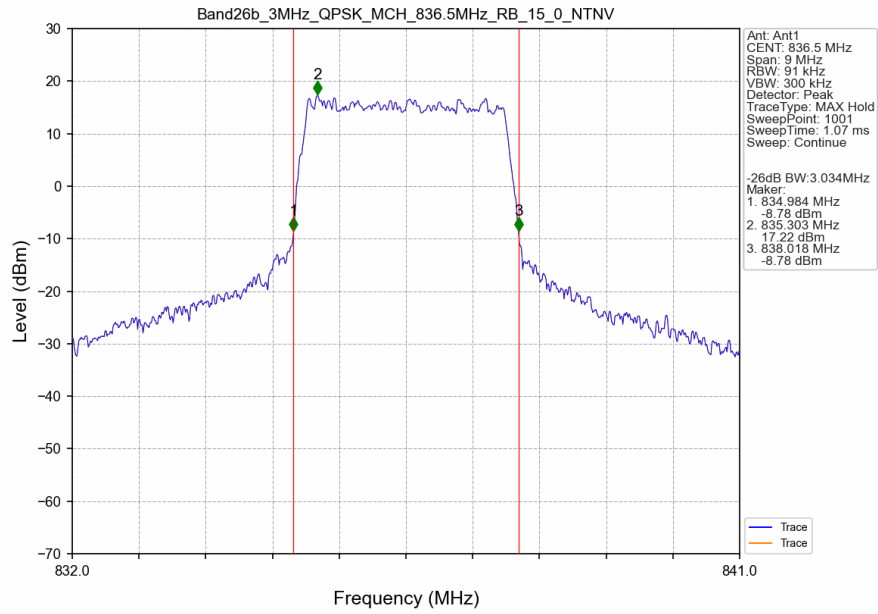
Band26b_15MHz_16QAM_MCH_836.5MHz_RB_27_0_NTNV



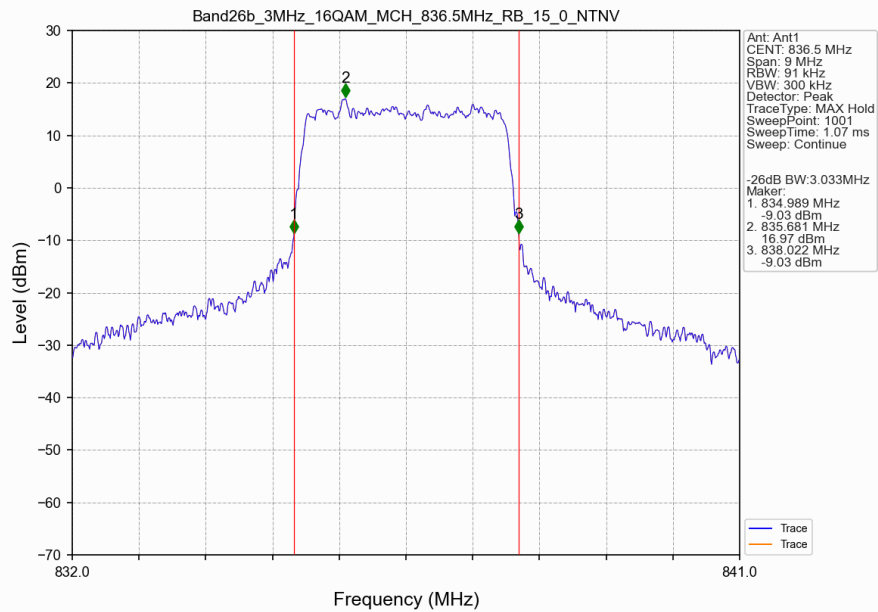
3.2.2 Band26b_XDB



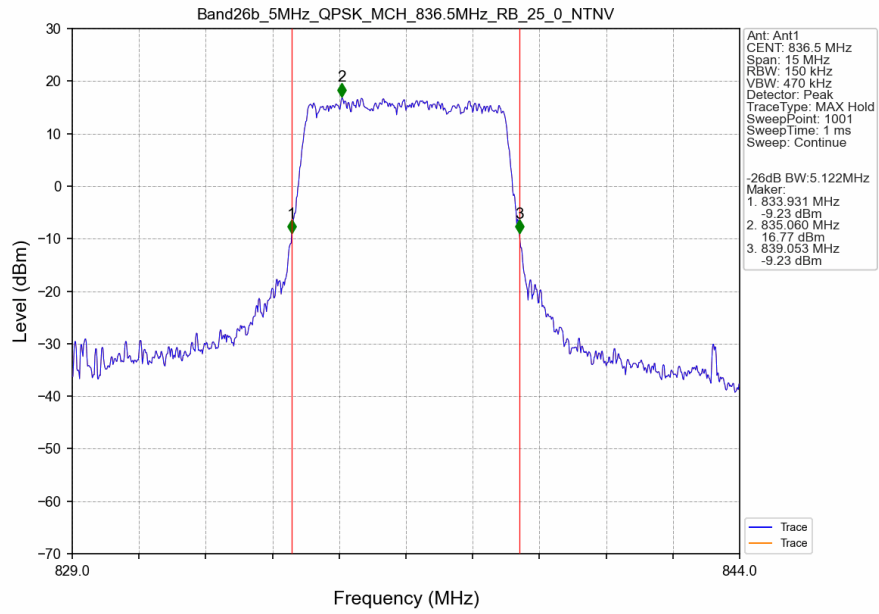
Band26b 3MHz QPSK MCH 836.5MHz RB 15 0 NTV



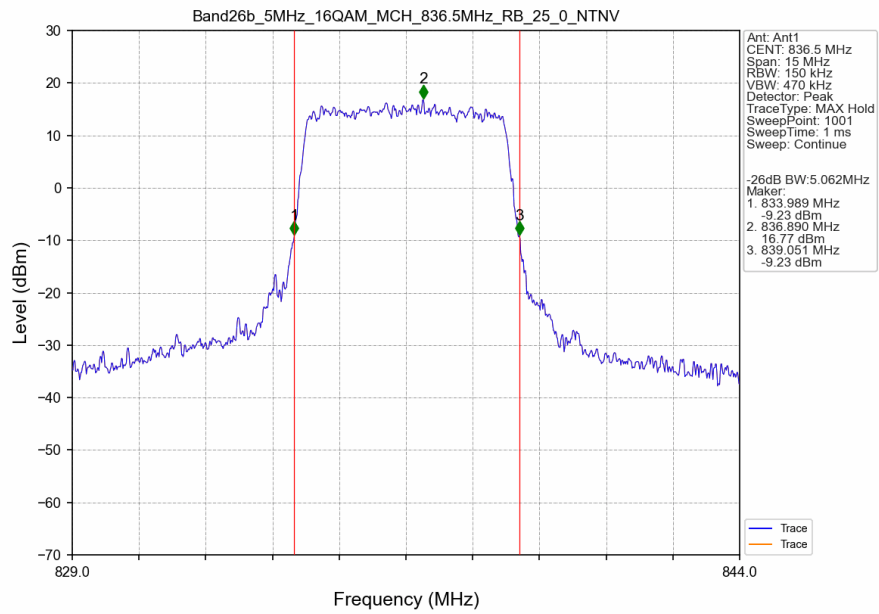
Band26b 3MHz 16QAM MCH 836.5MHz RB 15 0 NTV



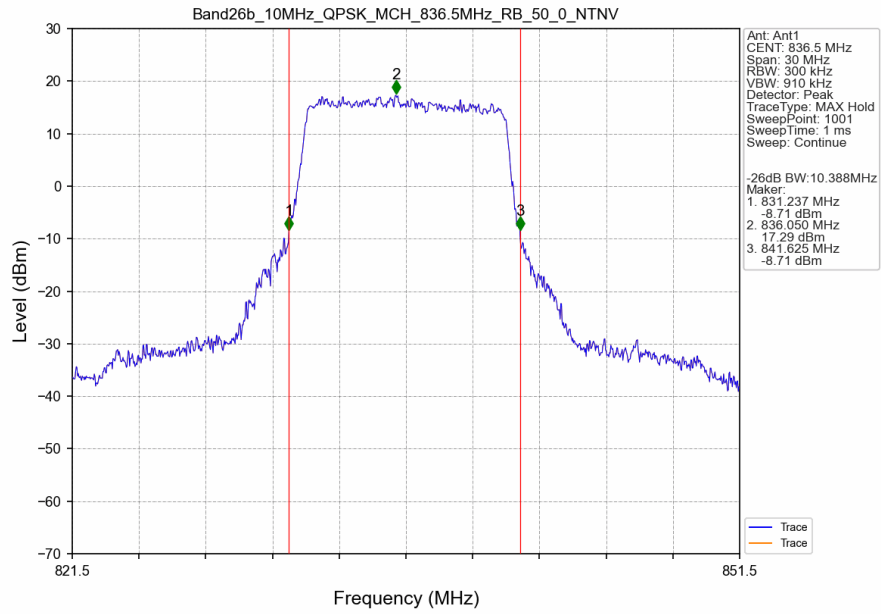
Band26b 5MHz QPSK MCH 836.5MHz RB 25 0 NTV



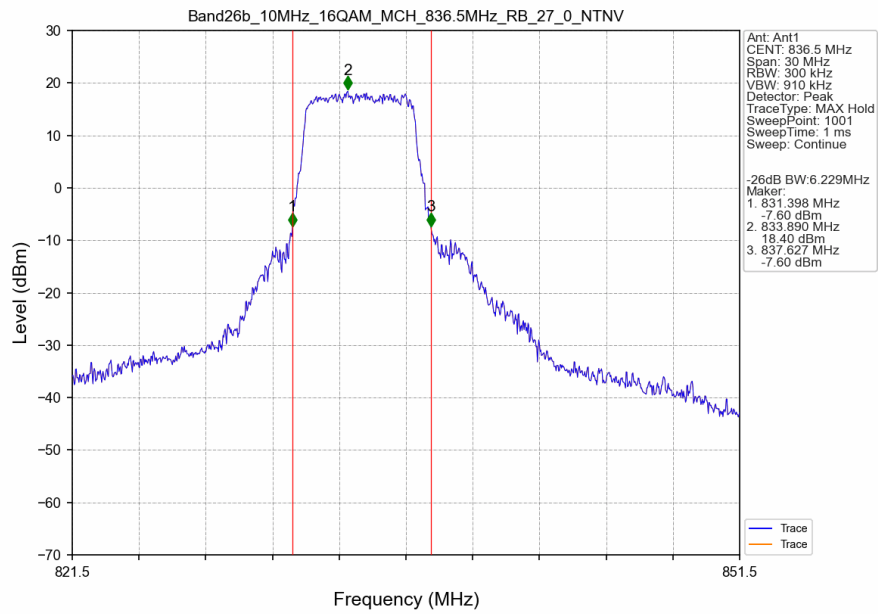
Band26b 5MHz 16QAM MCH 836.5MHz RB 25 0 NTV



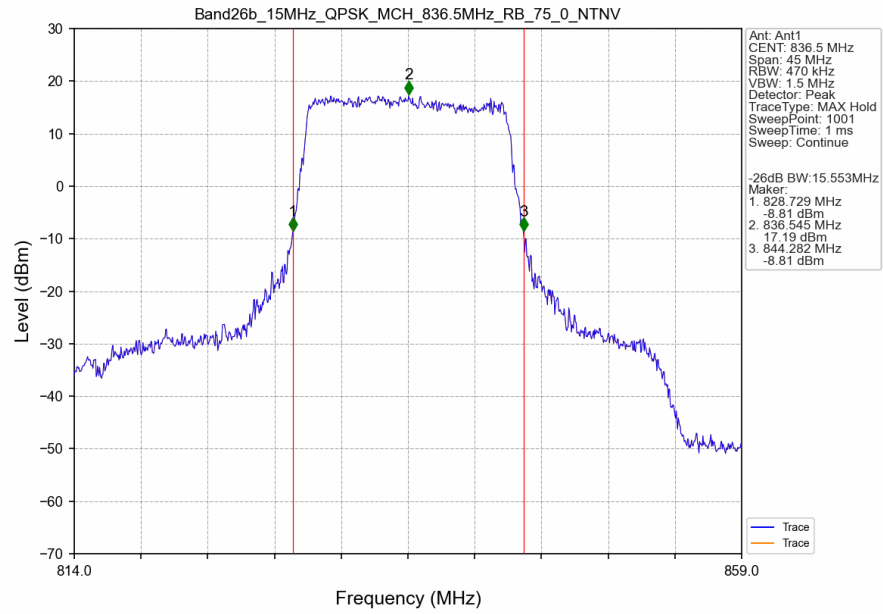
Band26b_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



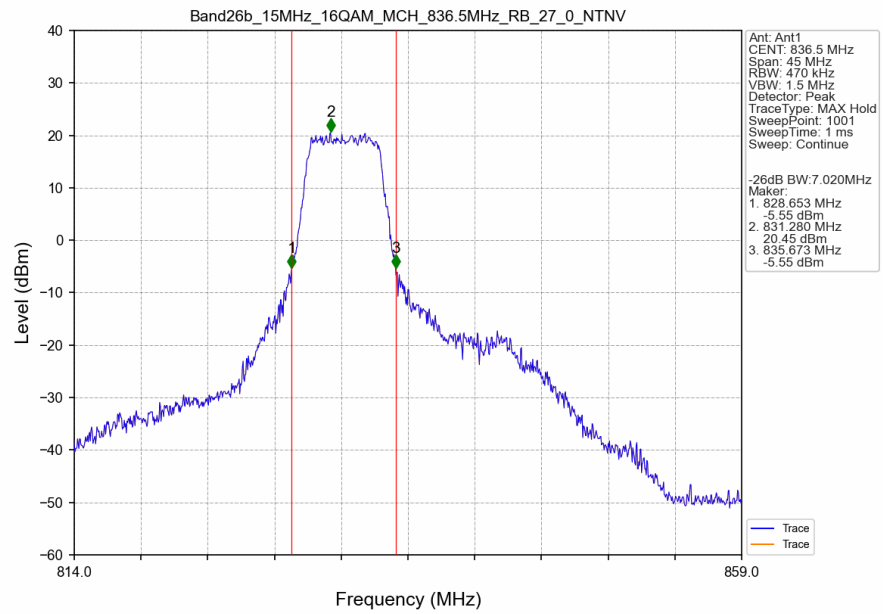
Band26b_10MHz_16QAM_MCH_836.5MHz_RB_27_0_NTNV



Band26b_15MHz_QPSK_MCH_836.5MHz_RB_75_0_NTNV



Band26b_15MHz_16QAM_MCH_836.5MHz_RB_27_0_NTNV



4. Peak-Average Ratio

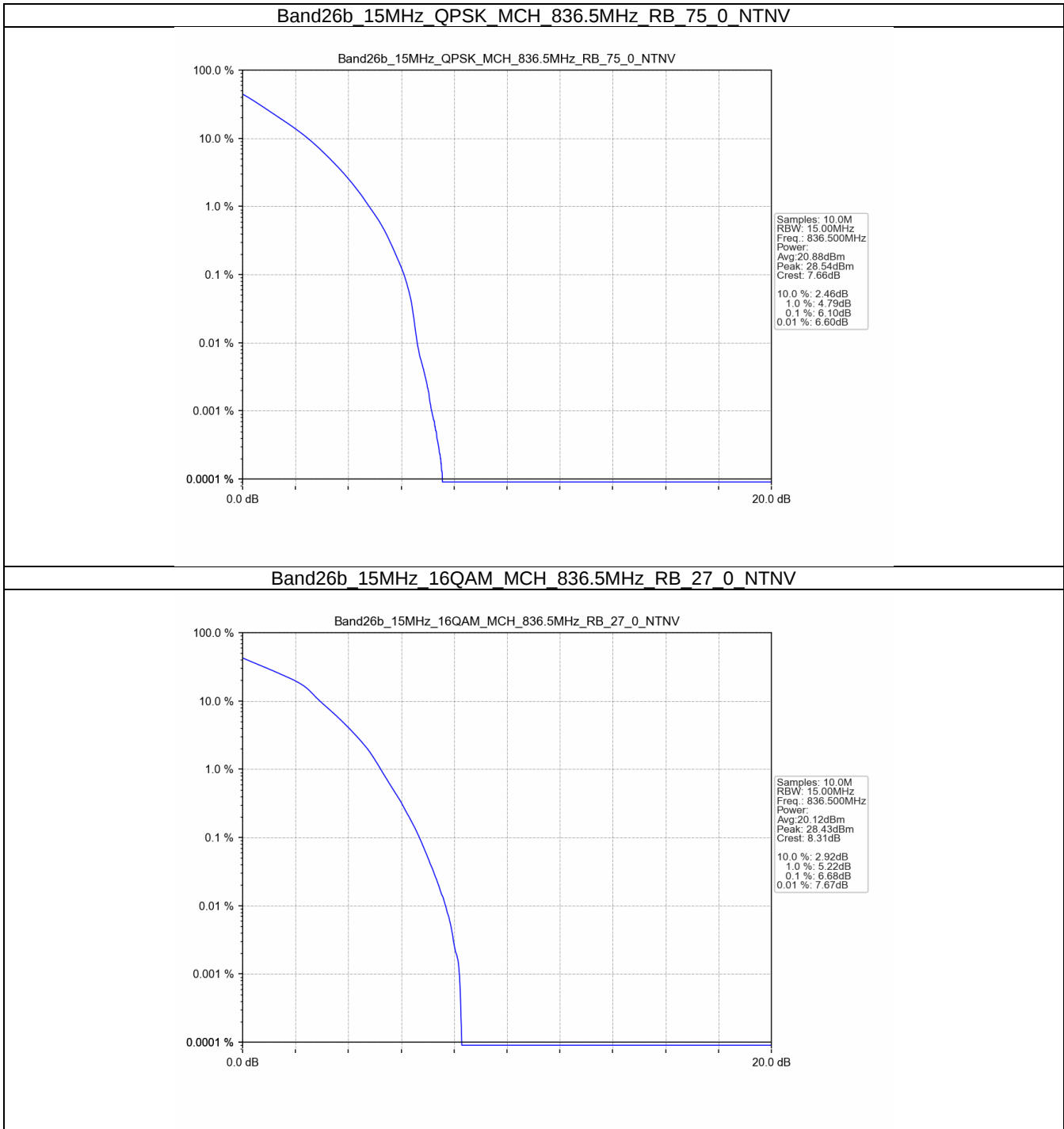
4.1 Test Result

4.1.1 B26b_15MHz

Band: 26b / Bandwidth: 15MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	75	0	6.10	<=13	Pass
16QAM	836.5	27	0	6.68	<=13	Pass

4.2 Test Graph

4.2.1 B26b_15MHz



5. Spurious Emission

5.1 Test Result

5.1.1 B26b_1.4MHz

Band: 26b / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		848.3	1	0	Refer To Test Graph	
	5			Refer To Test Graph		Pass
	6		0	Refer To Test Graph		Pass

5.1.2 B26b_3MHz

Band: 26b / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B26b_5MHz

Band: 26b / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.4 B26b_10MHz

Band: 26b / Bandwidth: 10MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass

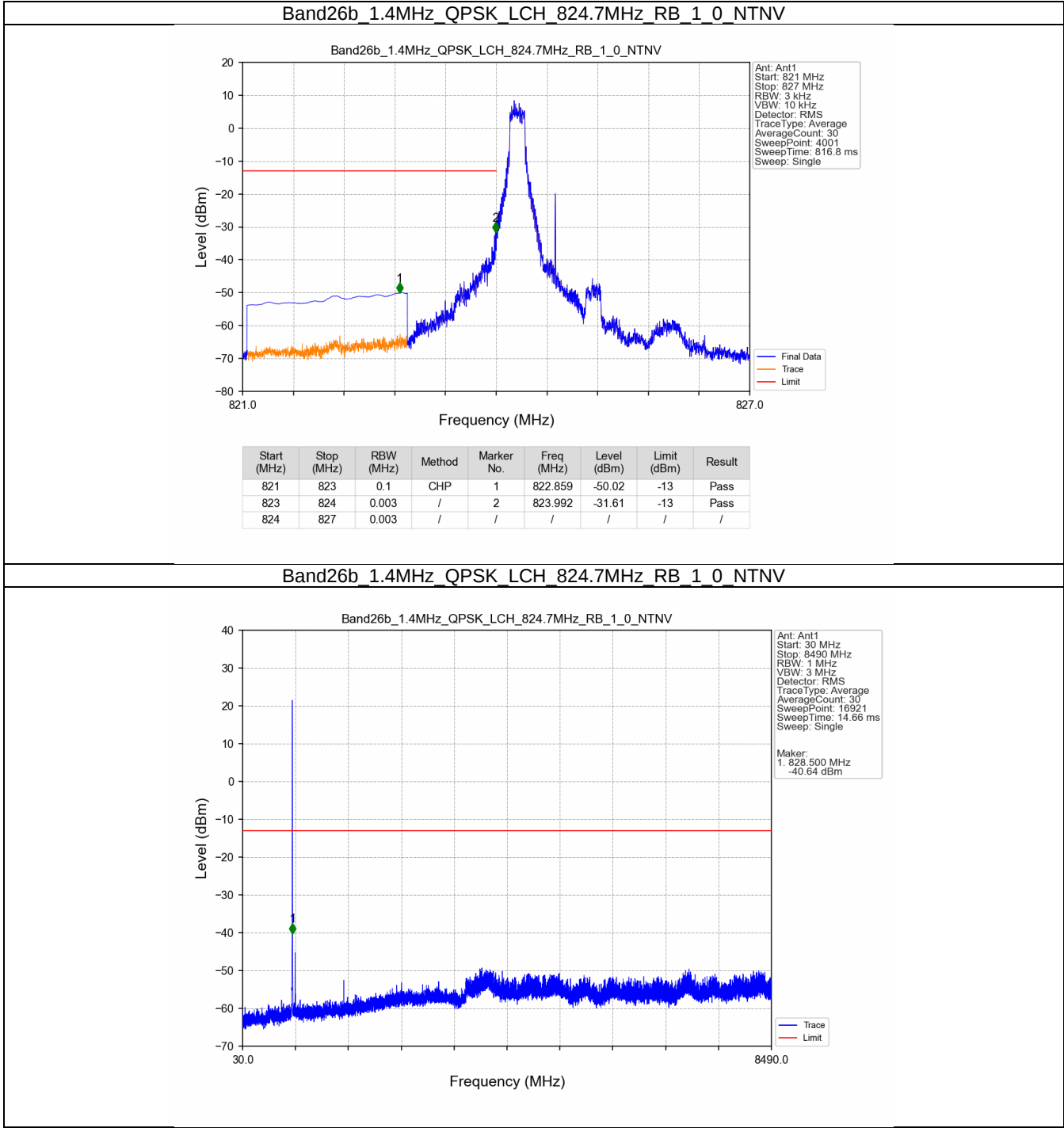
	844	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

5.1.5 B26b_15MHz

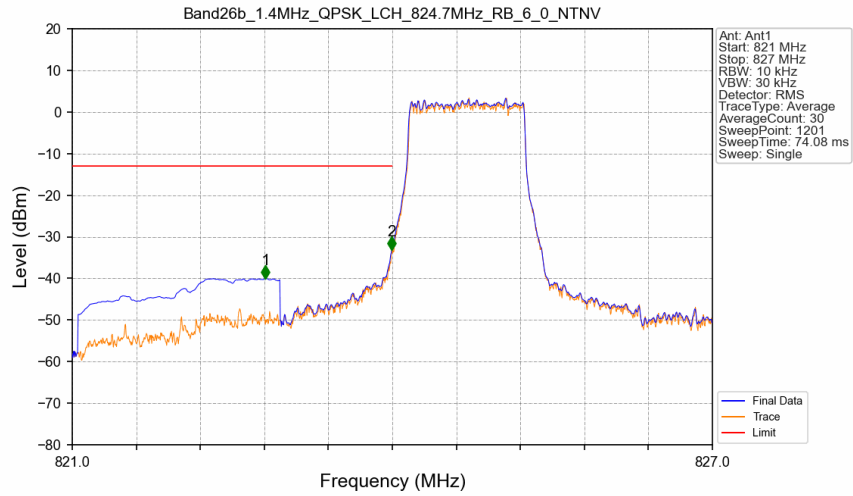
Band: 26b / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	831.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	841.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.2 Test Graph

5.2.1 B26b_1.4MHz

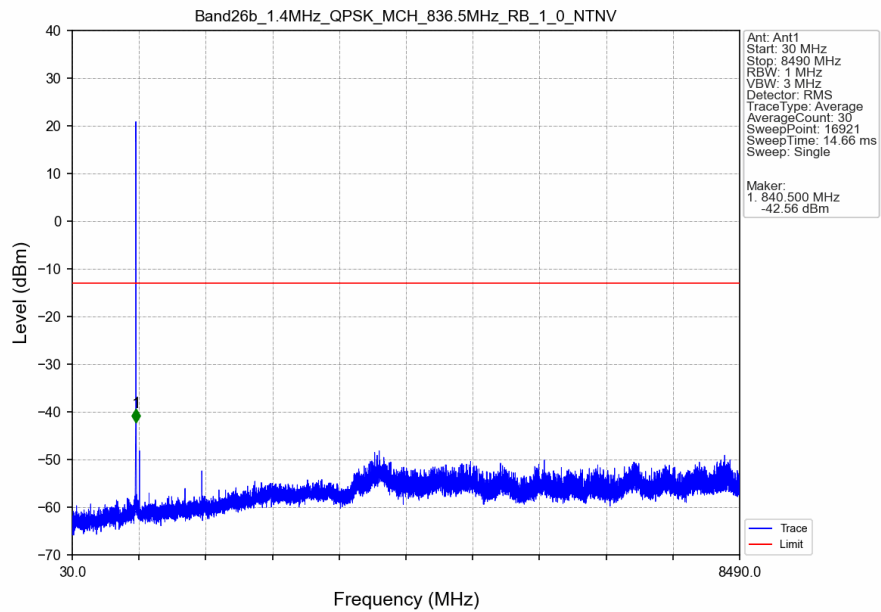


Band26b 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTN

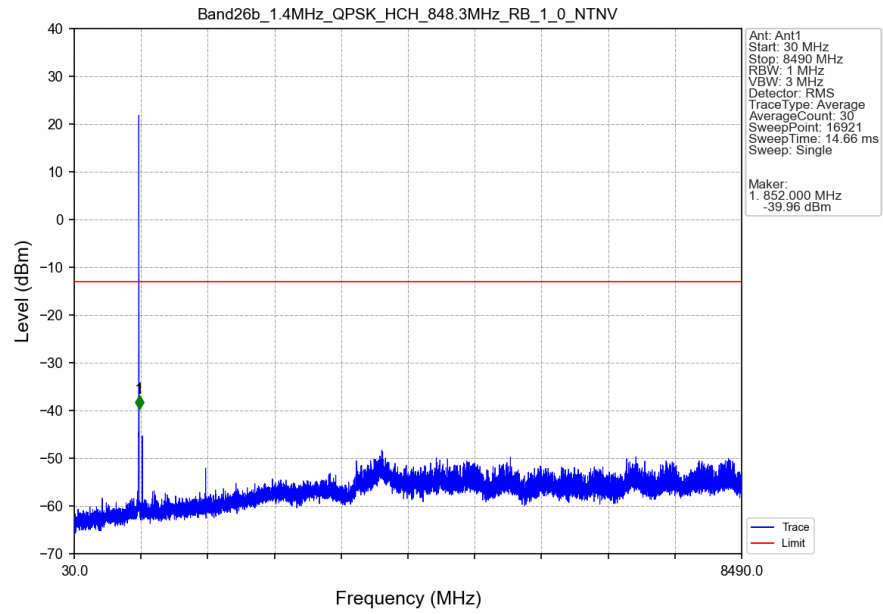


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.810	-39.99	-13	Pass
823	824	0.013	CHP	2	823.995	-33.15	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

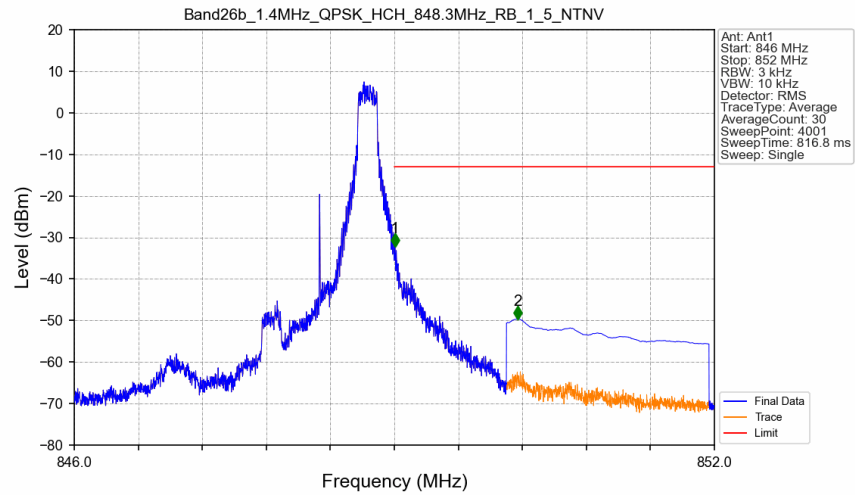
Band26b 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band26b 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTN

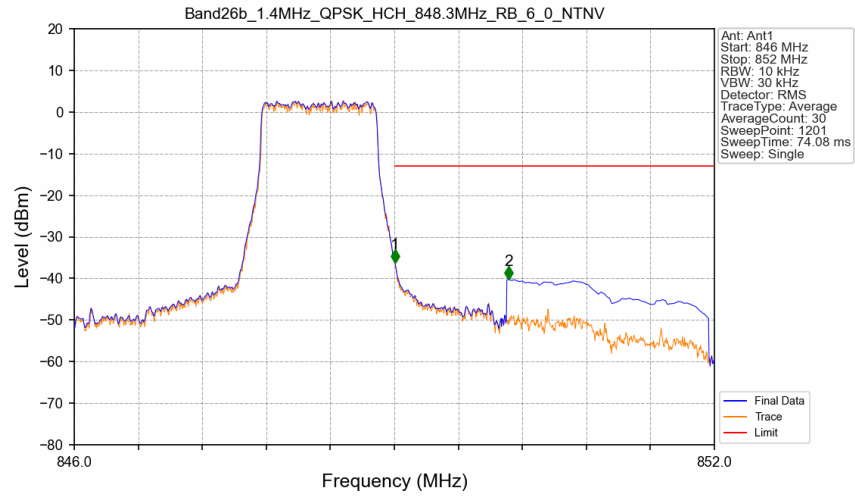


Band26b 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTN



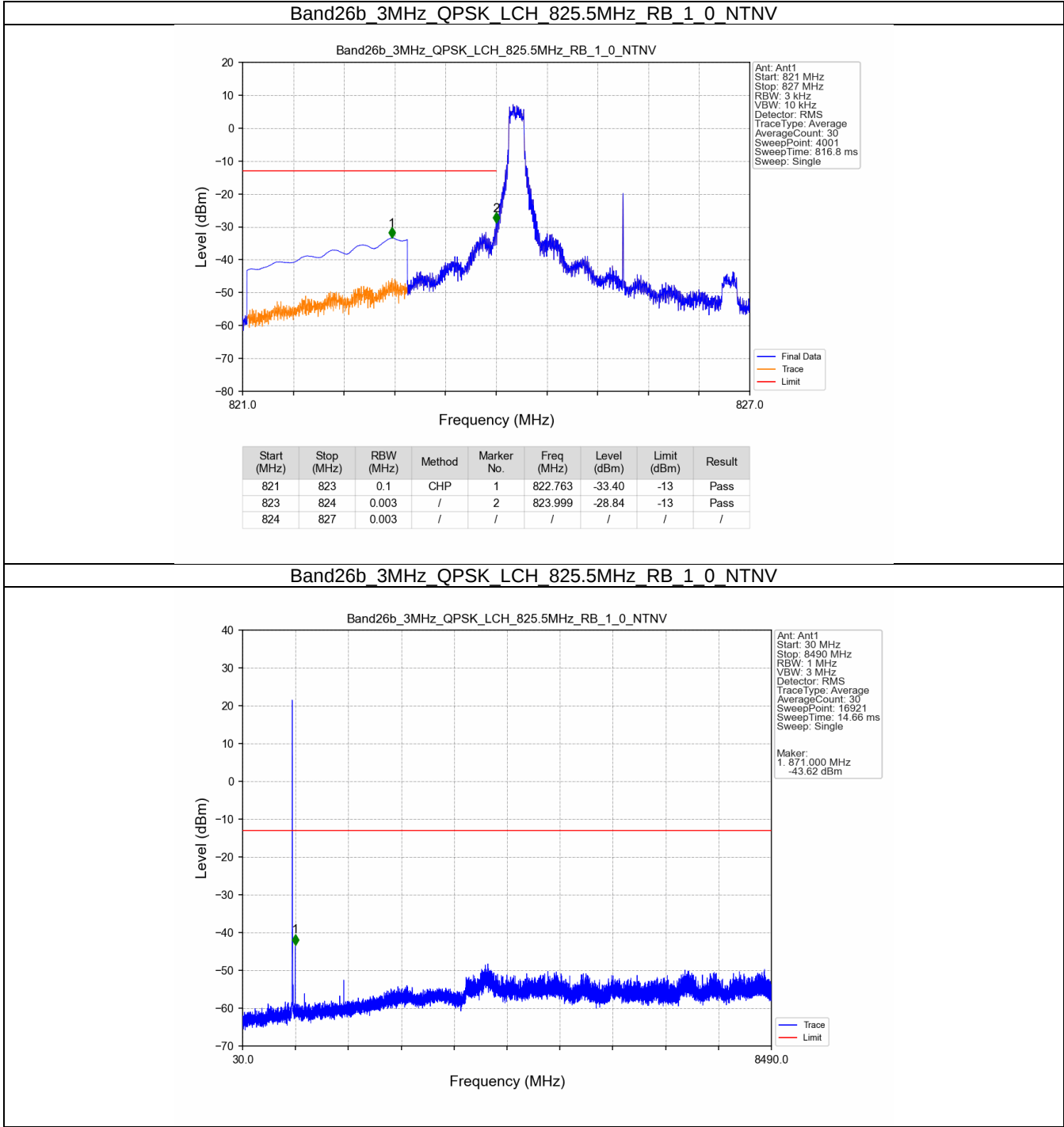
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.005	-32.15	-13	Pass
850	852	0.1	CHP	2	850.158	-49.63	-13	Pass

Band26b 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN

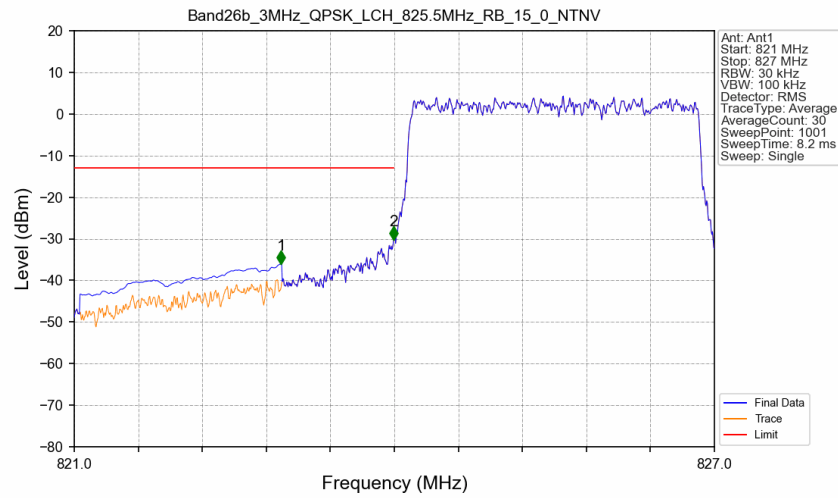


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.005	-36.29	-13	Pass
850	852	0.1	CHP	2	850.070	-40.24	-13	Pass

5.2.2 B26b_3MHz

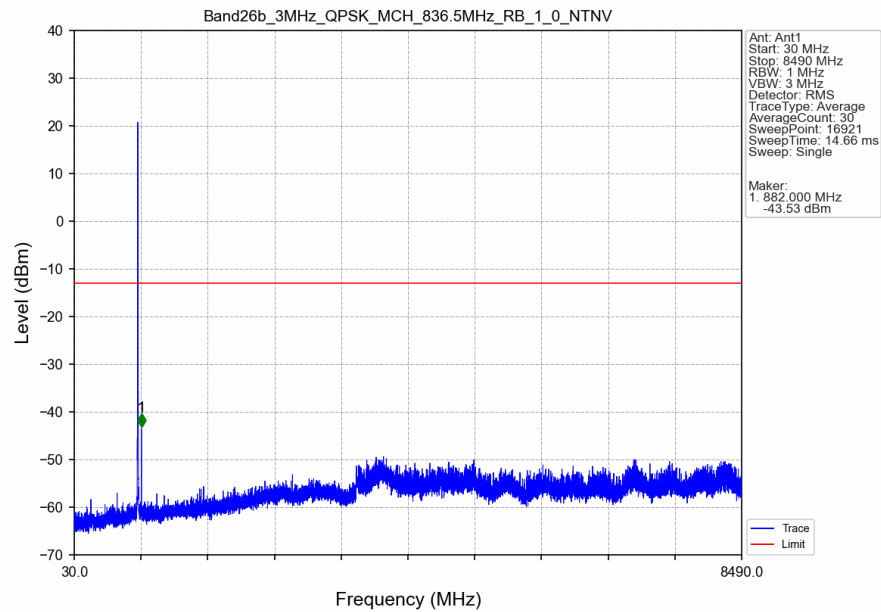


Band26b_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

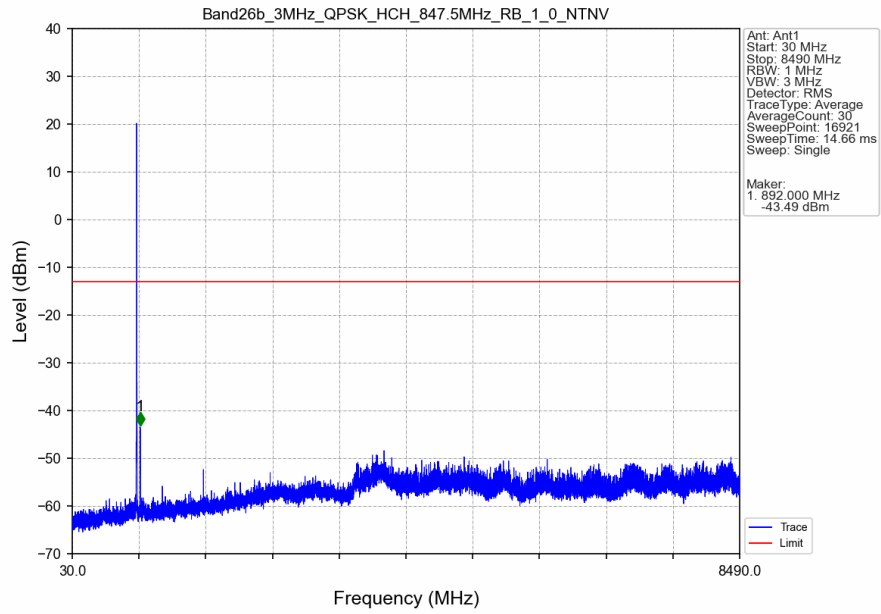


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.938	-36.08	-13	Pass
823	824	0.03	/	2	823.994	-30.25	-13	Pass
824	827	0.03	/	/	/	/	/	/

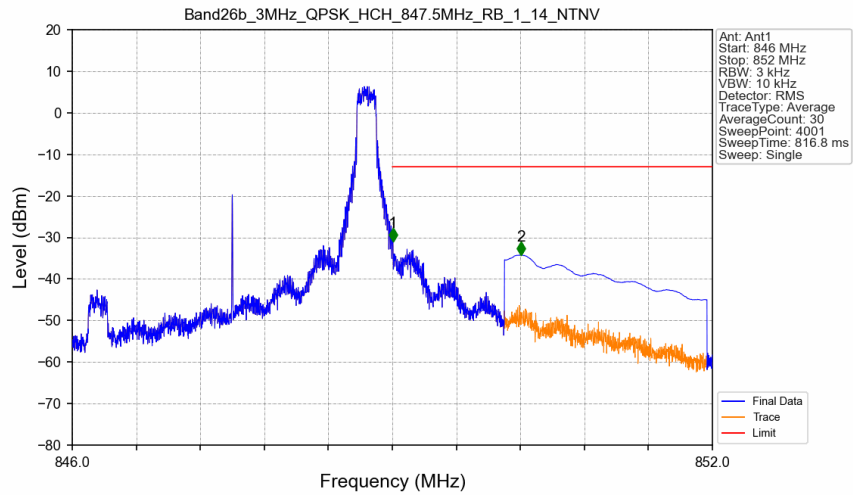
Band26b_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band26b_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

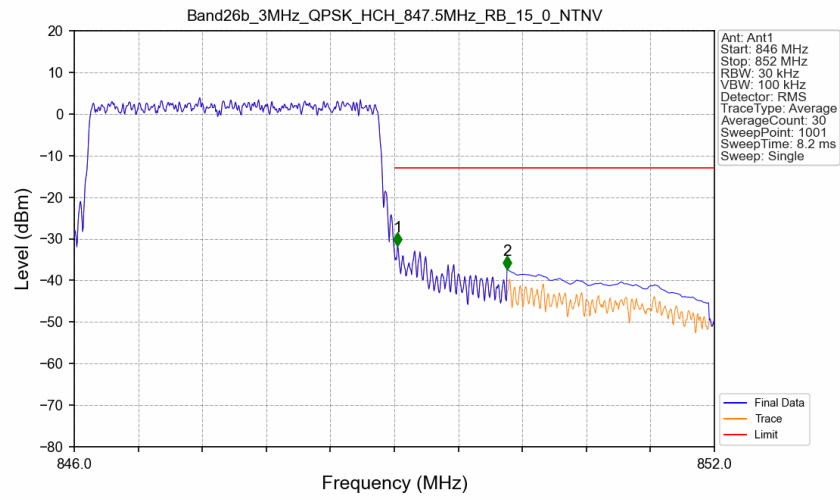


Band26b_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



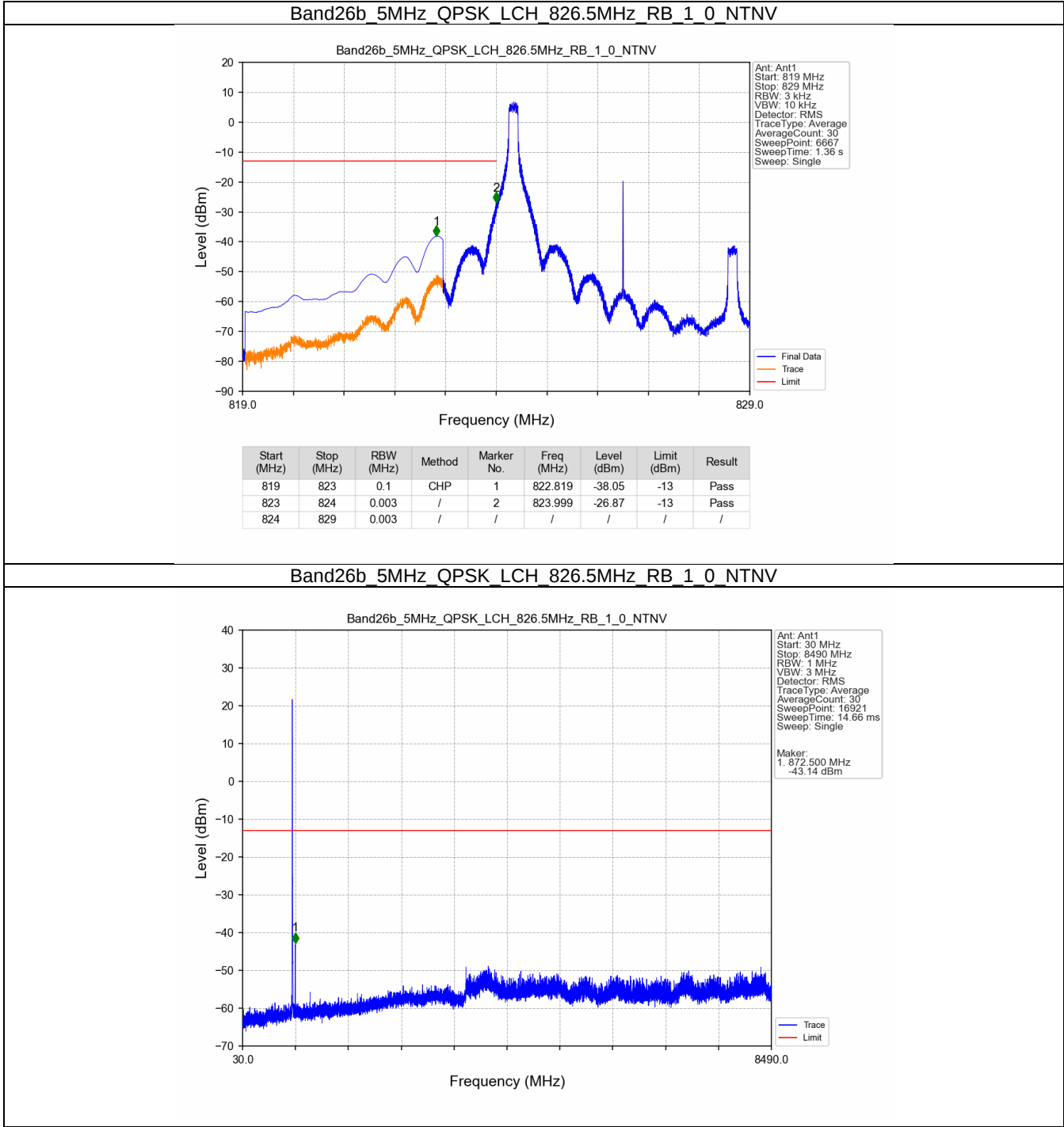
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.005	-30.98	-13	Pass
850	852	0.1	CHP	2	850.209	-34.18	-13	Pass

Band26b 3MHz QPSK HCH 847.5MHz RB 15 0 NTV

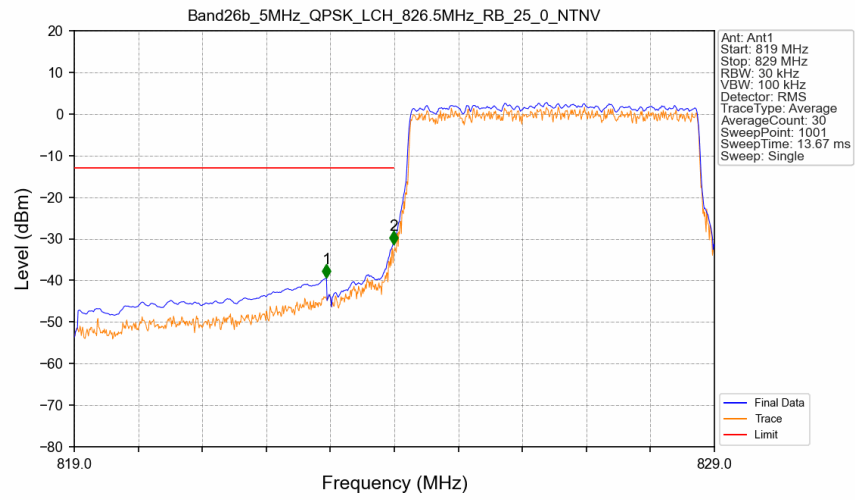


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.030	-31.74	-13	Pass
850	852	0.1	CHP	2	850.056	-37.38	-13	Pass

5.2.3 B26b_5MHz

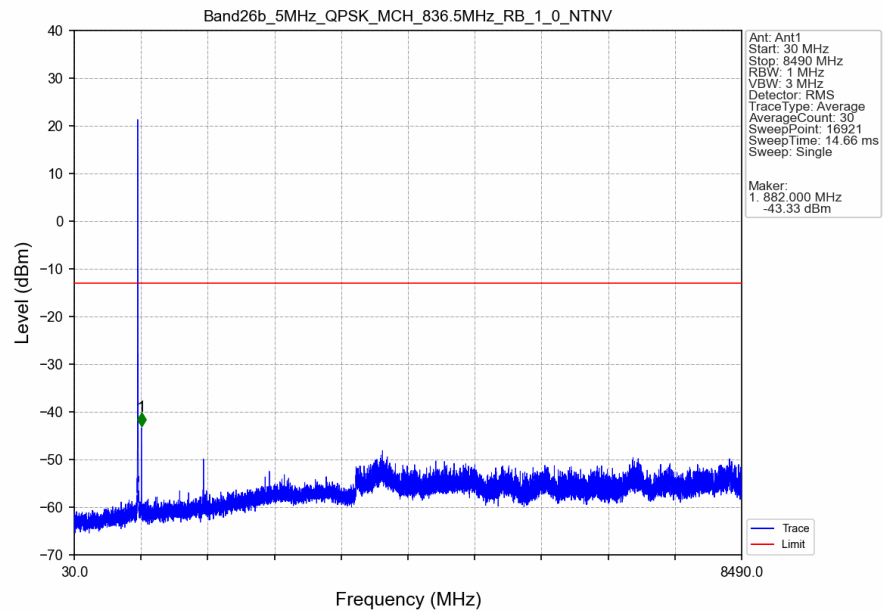


Band26b_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

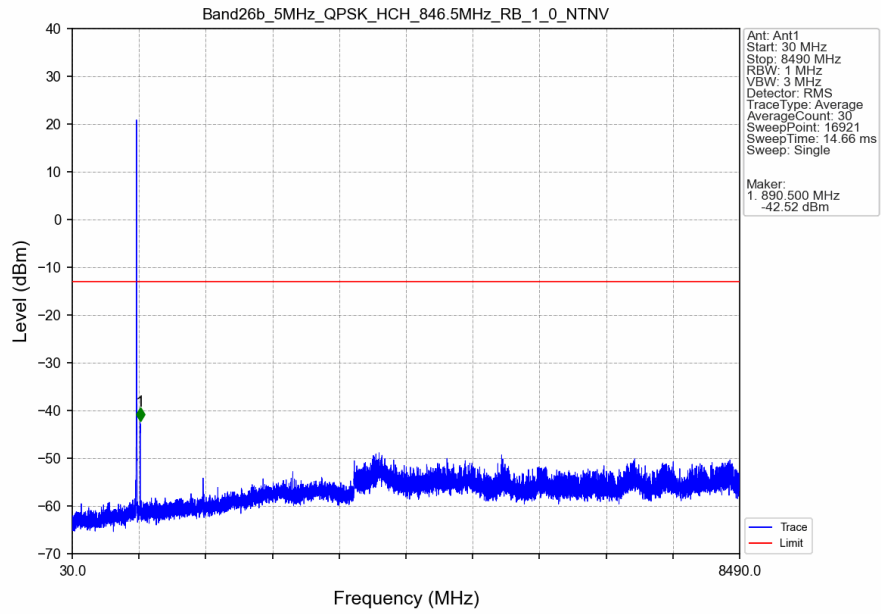


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.940	-39.41	-13	Pass
823	824	0.051	CHP	2	823.990	-31.23	-13	Pass
824	829	0.051	CHP	/	/	/	/	/

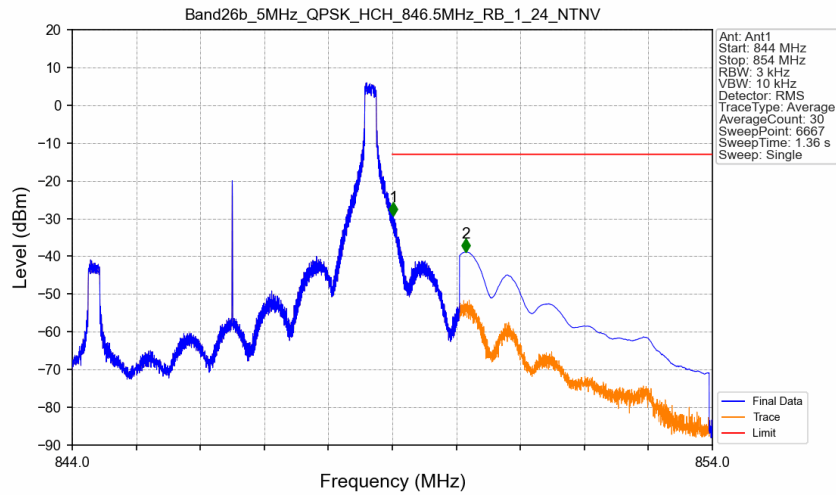
Band26b_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band26b_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

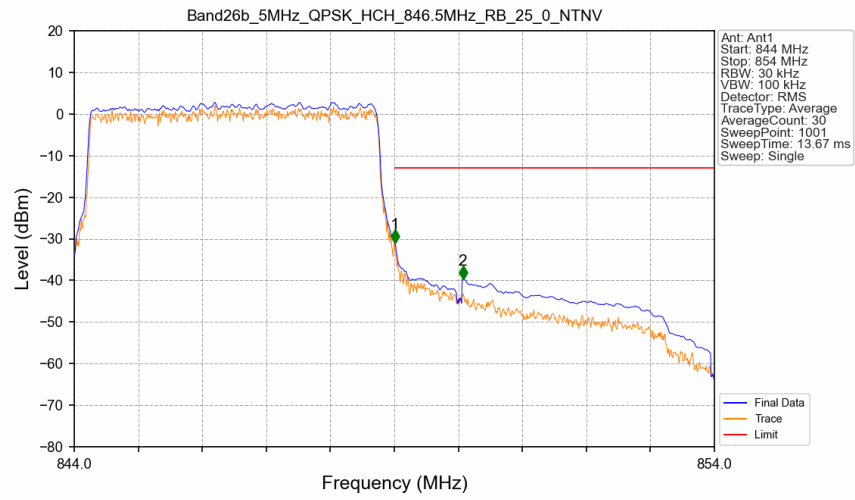


Band26b_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



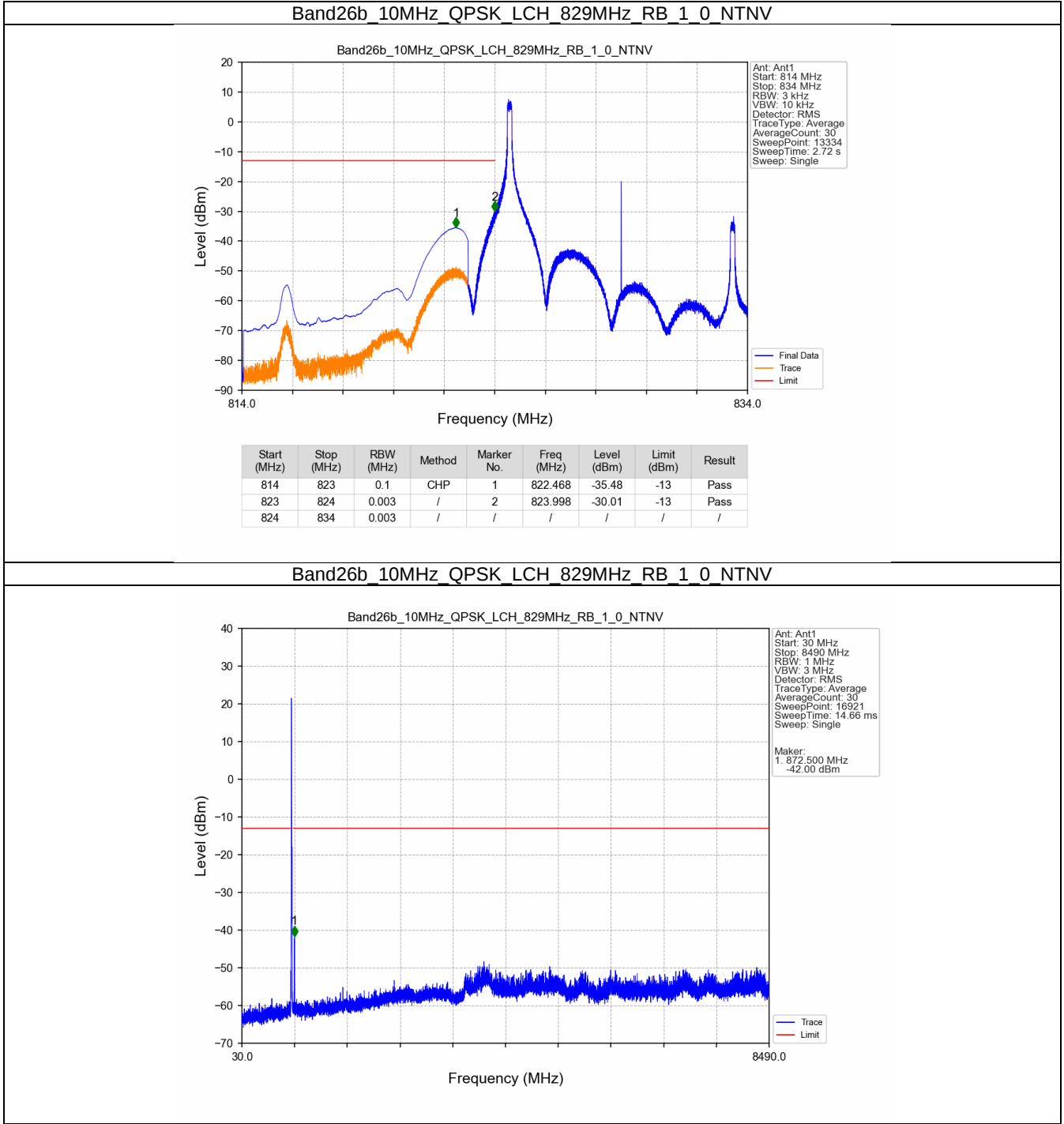
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.014	-29.15	-13	Pass
850	854	0.1	CHP	2	850.152	-38.83	-13	Pass

Band26b 5MHz QPSK HCH 846.5MHz RB 25 0 NTV

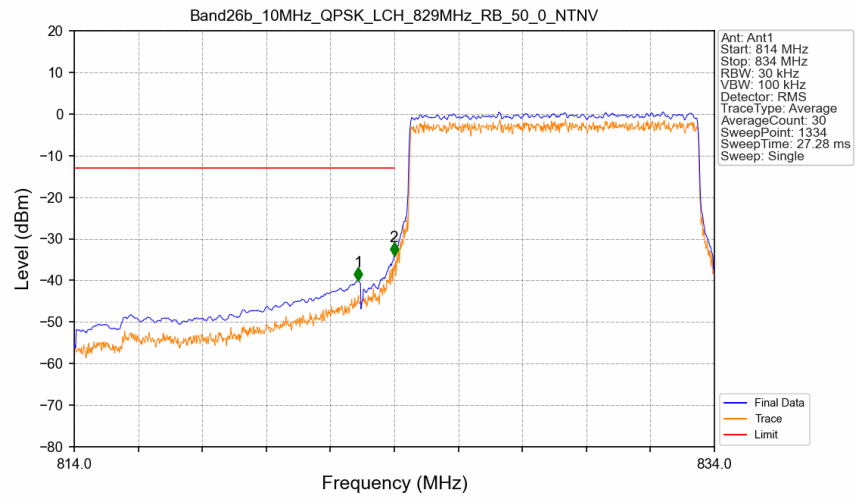


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	CHP	/	/	/	/	/
849	850	0.051	CHP	1	849.010	-31.03	-13	Pass
850	854	0.1	CHP	2	850.070	-39.70	-13	Pass

5.2.4 B26b_10MHz

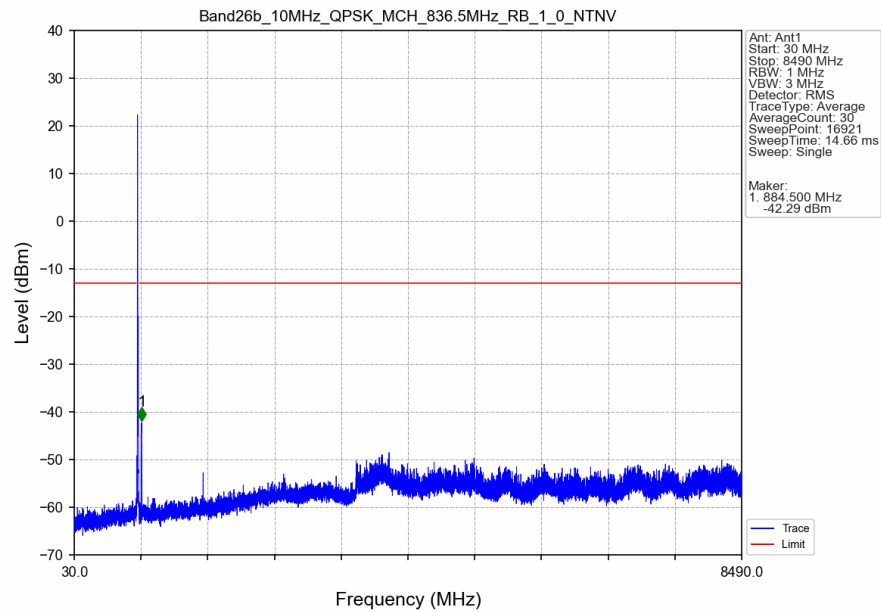


Band26b_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

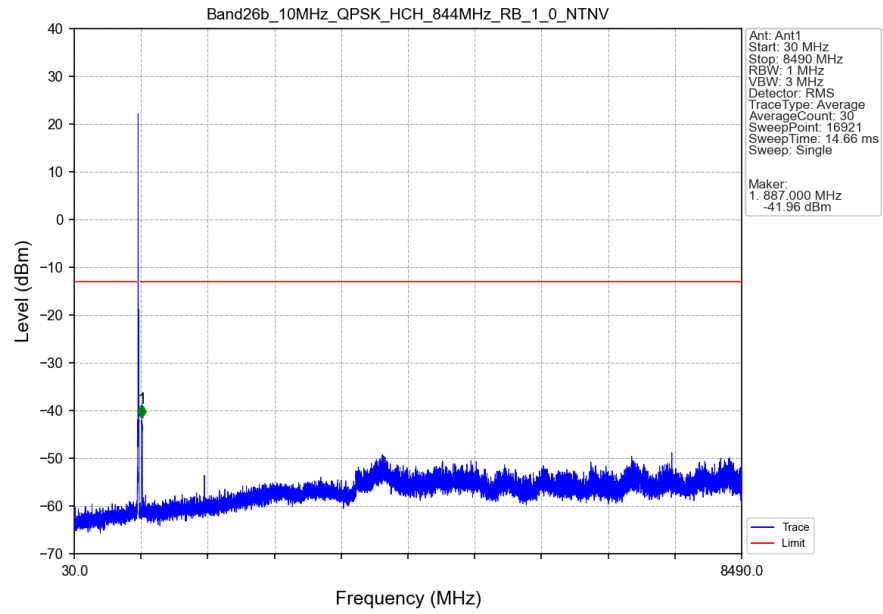


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	822.867	-40.09	-13	Pass
823	824	0.062	CHP	2	823.992	-34.13	-13	Pass
824	834	0.062	CHP	/	/	/	/	/

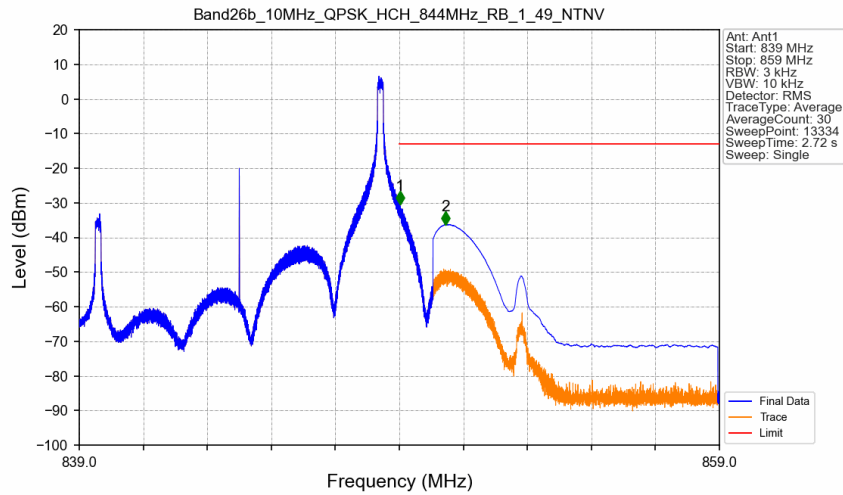
Band26b_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band26b_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

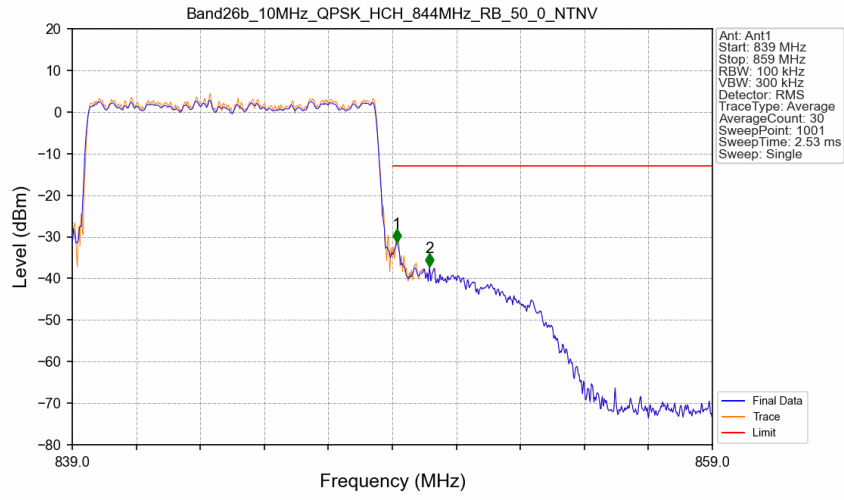


Band26b_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



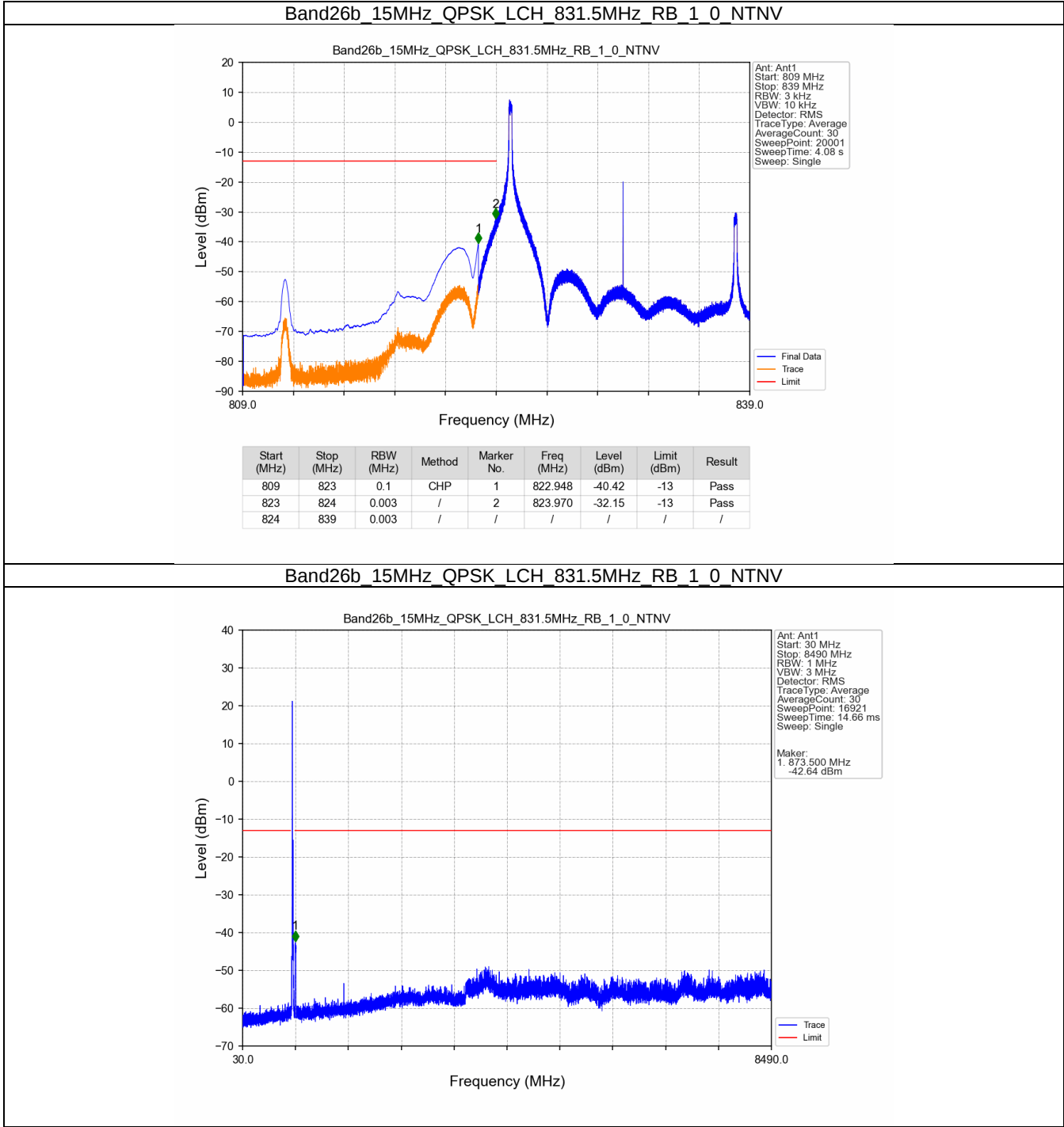
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.013	-30.43	-13	Pass
850	859	0.1	CHP	2	850.435	-36.26	-13	Pass

Band26b_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV

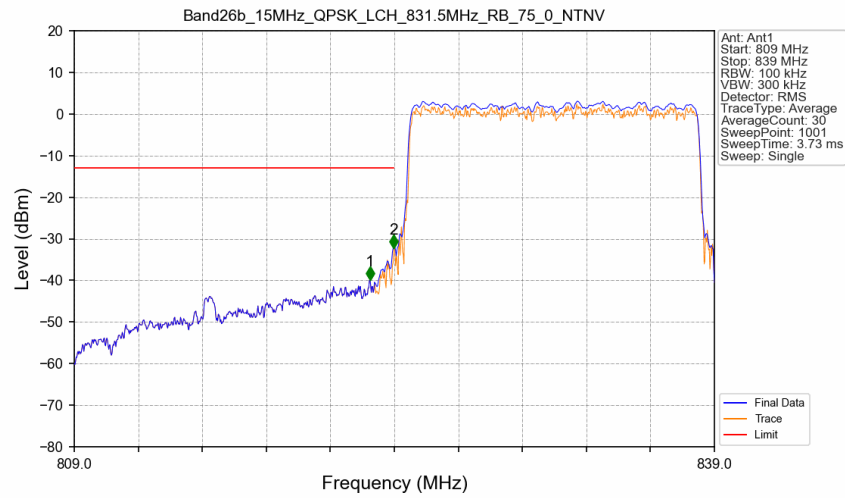


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.104	CHP	/	/	/	/	/
849	850	0.104	CHP	1	849.140	-31.37	-13	Pass
850	859	0.1	/	2	850.160	-37.18	-13	Pass

5.2.5 B26b_15MHz

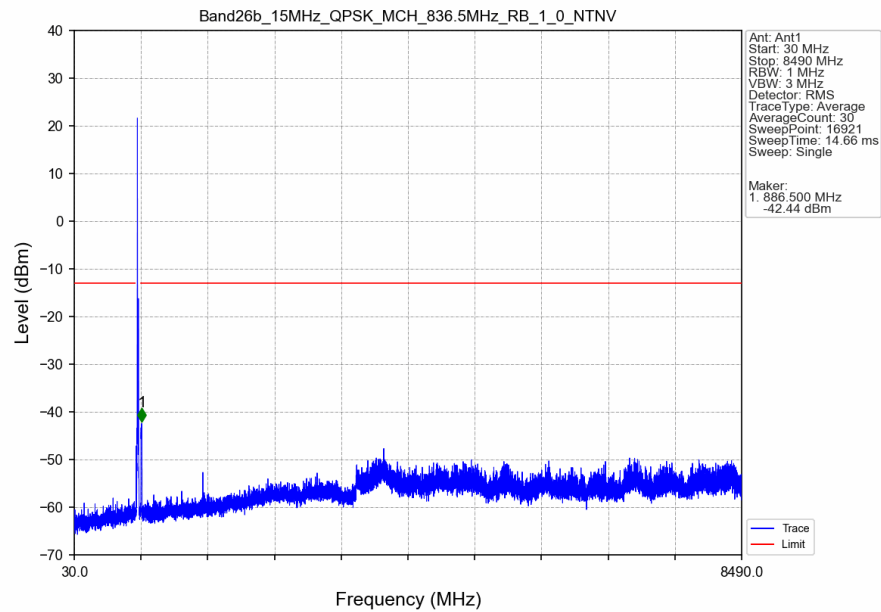


Band26b_15MHz_QPSK_LCH_831.5MHz_RB_75_0_NTNV

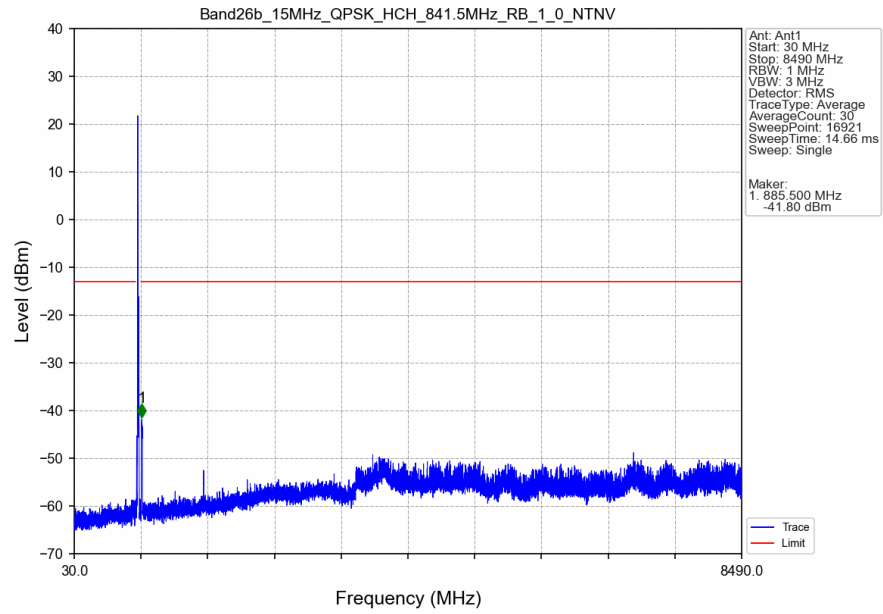


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	823	0.1	/	1	822.860	-39.85	-13	Pass
823	824	0.156	CHP	2	823.970	-32.25	-13	Pass
824	839	0.156	CHP	/	/	/	/	/

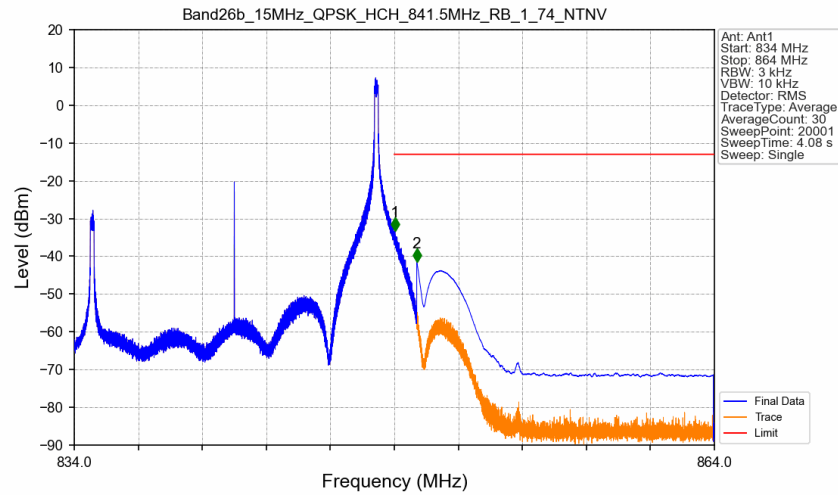
Band26b_15MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band26b 15MHz QPSK HCH 841.5MHz RB 1 0 NTNV

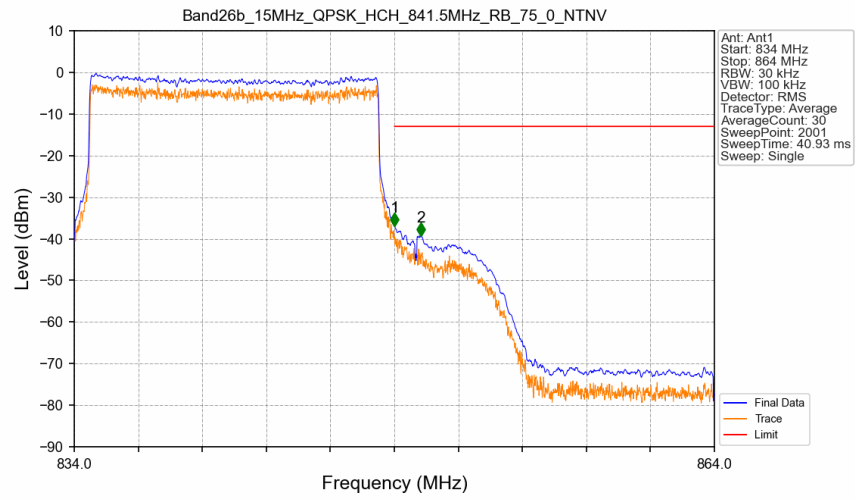


Band26b 15MHz QPSK HCH 841.5MHz RB 1 74 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.029	-33.28	-13	Pass
850	864	0.1	CHP	2	850.052	-41.39	-13	Pass

Band26b 15MHz QPSK HCH 841.5MHz RB 75_0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.07	CHP	/	/	/	/	/
849	850	0.07	CHP	1	849.015	-36.88	-13	Pass
850	864	0.1	CHP	2	850.245	-39.29	-13	Pass