

Band: 26b / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	22.76	2.47	23.08	<=38.45	Pass
			14	22.73	2.47	23.05	<=38.45	Pass
		15	0	21.76	2.47	22.08	<=38.45	Pass
	836.5	1	0	23.01	2.47	23.33	<=38.45	Pass
			14	22.93	2.47	23.25	<=38.45	Pass
		15	0	21.95	2.47	22.27	<=38.45	Pass
	847.5	1	0	22.88	2.47	23.20	<=38.45	Pass
			14	22.74	2.47	23.06	<=38.45	Pass
		15	0	21.83	2.47	22.15	<=38.45	Pass
16QAM	825.5	1	0	21.89	2.47	22.21	<=38.45	Pass
			14	22.33	2.47	22.65	<=38.45	Pass
		15	0	20.80	2.47	21.12	<=38.45	Pass
	836.5	1	0	22.15	2.47	22.47	<=38.45	Pass
			14	22.52	2.47	22.84	<=38.45	Pass
		15	0	21.03	2.47	21.35	<=38.45	Pass
	847.5	1	0	22.03	2.47	22.35	<=38.45	Pass
			14	22.32	2.47	22.64	<=38.45	Pass
		15	0	20.91	2.47	21.23	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B26b_5MHz_ERP

Band: 26b / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	22.81	2.47	23.13	<=38.45	Pass
			24	22.84	2.47	23.16	<=38.45	Pass
		25	0	21.79	2.47	22.11	<=38.45	Pass
	836.5	1	0	22.98	2.47	23.30	<=38.45	Pass
			24	22.99	2.47	23.31	<=38.45	Pass
		25	0	21.96	2.47	22.28	<=38.45	Pass
	846.5	1	0	22.91	2.47	23.23	<=38.45	Pass
			24	22.78	2.47	23.10	<=38.45	Pass
		25	0	21.96	2.47	22.28	<=38.45	Pass
16QAM	826.5	1	0	22.06	2.47	22.38	<=38.45	Pass
			24	21.71	2.47	22.03	<=38.45	Pass
		25	0	20.82	2.47	21.14	<=38.45	Pass
	836.5	1	0	22.22	2.47	22.54	<=38.45	Pass
			24	21.92	2.47	22.24	<=38.45	Pass
		25	0	20.99	2.47	21.31	<=38.45	Pass
	846.5	1	0	22.22	2.47	22.54	<=38.45	Pass
			24	21.73	2.47	22.05	<=38.45	Pass
		25	0	20.92	2.47	21.24	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B26b_10MHz_ERP

Band: 26b / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	22.98	2.47	23.30	<=38.45	Pass
			49	23.13	2.47	23.45	<=38.45	Pass
		50	0	21.86	2.47	22.18	<=38.45	Pass
	836.5	1	0	23.20	2.47	23.52	<=38.45	Pass
			49	23.29	2.47	23.61	<=38.45	Pass
		50	0	22.03	2.47	22.35	<=38.45	Pass
	844	1	0	23.18	2.47	23.50	<=38.45	Pass
			49	23.02	2.47	23.34	<=38.45	Pass
		50	0	22.04	2.47	22.36	<=38.45	Pass
16QAM	829	1	0	22.64	2.47	22.96	<=38.45	Pass
			49	22.69	2.47	23.01	<=38.45	Pass
		50	0	20.86	2.47	21.18	<=38.45	Pass
	836.5	1	0	22.18	2.47	22.50	<=38.45	Pass
			49	22.50	2.47	22.82	<=38.45	Pass
		50	0	21.05	2.47	21.37	<=38.45	Pass
	844	1	0	22.34	2.47	22.66	<=38.45	Pass
			49	22.28	2.47	22.60	<=38.45	Pass
		50	0	21.00	2.47	21.32	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.5 B26b_15MHz_ERP

Band: 26b / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	

QPSK	831.5	1	0	22.80	2.47	23.12	<=38.45	Pass
			74	23.12	2.47	23.44	<=38.45	Pass
		75	0	21.72	2.47	22.04	<=38.45	Pass
	836.5	1	0	22.93	2.47	23.25	<=38.45	Pass
			74	23.20	2.47	23.52	<=38.45	Pass
		75	0	21.85	2.47	22.17	<=38.45	Pass
	841.5	1	0	22.98	2.47	23.30	<=38.45	Pass
			74	23.05	2.47	23.37	<=38.45	Pass
		75	0	21.88	2.47	22.20	<=38.45	Pass
16QAM	831.5	1	0	22.44	2.47	22.76	<=38.45	Pass
			74	22.54	2.47	22.86	<=38.45	Pass
		75	0	20.71	2.47	21.03	<=38.45	Pass
	836.5	1	0	22.56	2.47	22.88	<=38.45	Pass
			74	22.63	2.47	22.95	<=38.45	Pass
		75	0	20.88	2.47	21.20	<=38.45	Pass
	841.5	1	0	22.54	2.47	22.86	<=38.45	Pass
			74	22.62	2.47	22.94	<=38.45	Pass
		75	0	20.88	2.47	21.20	<=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	12	0.572	0.0007	-2.5 to 2.5	Pass
					24	0.343	0.0004	-2.5 to 2.5	Pass
					48	-0.186	-0.0002	-2.5 to 2.5	Pass
				-30	24	-0.687	-0.0008	-2.5 to 2.5	Pass
				-20	24	0.215	0.0003	-2.5 to 2.5	Pass
				-10	24	-0.014	0.0000	-2.5 to 2.5	Pass
				0	24	0.472	0.0006	-2.5 to 2.5	Pass
				10	24	0.758	0.0009	-2.5 to 2.5	Pass
				30	24	-0.129	-0.0002	-2.5 to 2.5	Pass
				40	24	0.186	0.0002	-2.5 to 2.5	Pass
				50	24	1.030	0.0012	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band26b_OBW

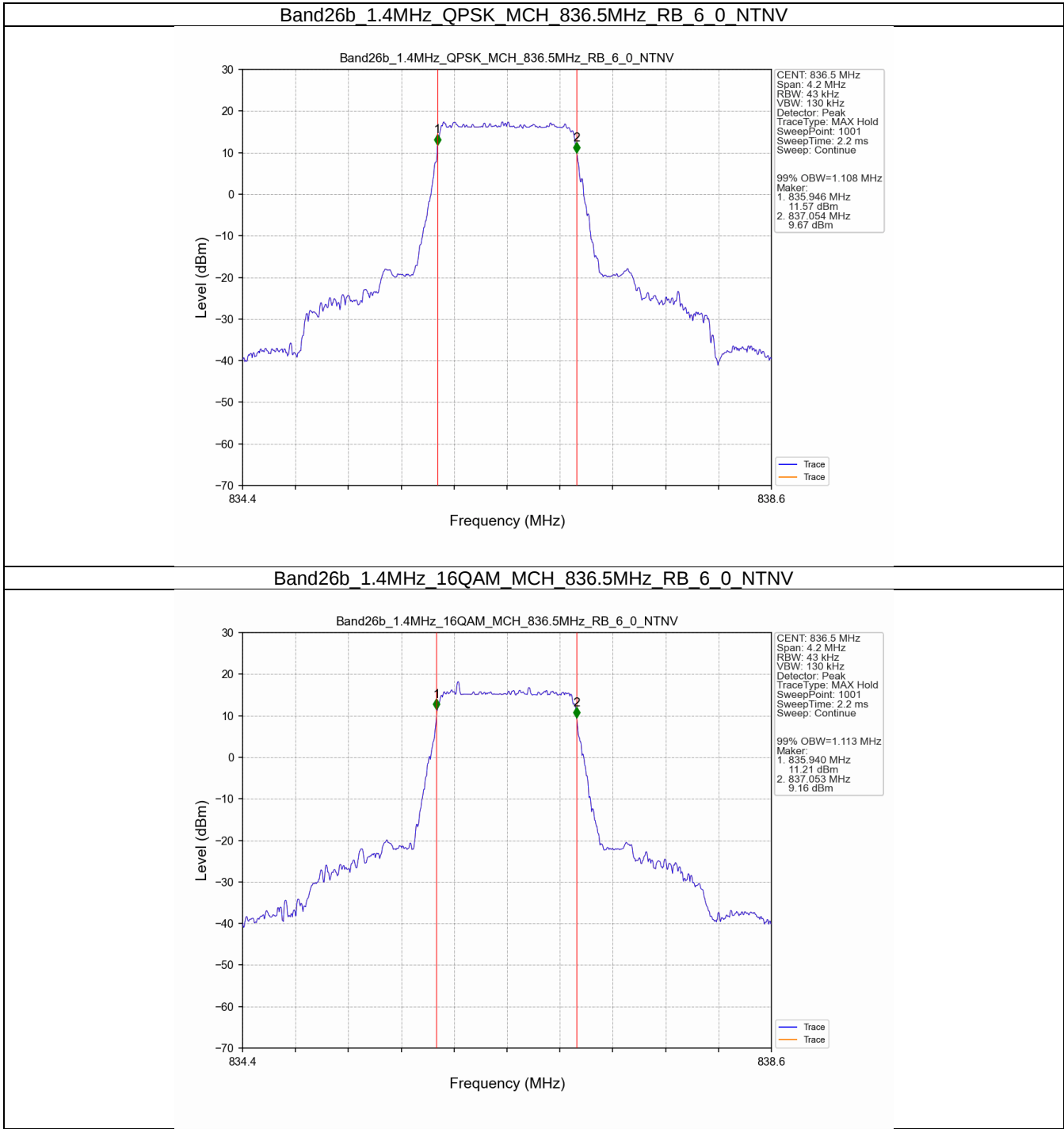
Band: 26b / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.108	/	Pass
	16QAM	836.5	6	0	1.113	/	Pass
3	QPSK	836.5	15	0	2.751	/	Pass
	16QAM	836.5	15	0	2.758	/	Pass
5	QPSK	836.5	25	0	4.549	/	Pass
	16QAM	836.5	25	0	4.545	/	Pass
10	QPSK	836.5	50	0	9.038	/	Pass
	16QAM	836.5	50	0	9.091	/	Pass
15	QPSK	836.5	75	0	13.611	/	Pass
	16QAM	836.5	75	0	13.617	/	Pass

3.1.2 Band26b_XDB

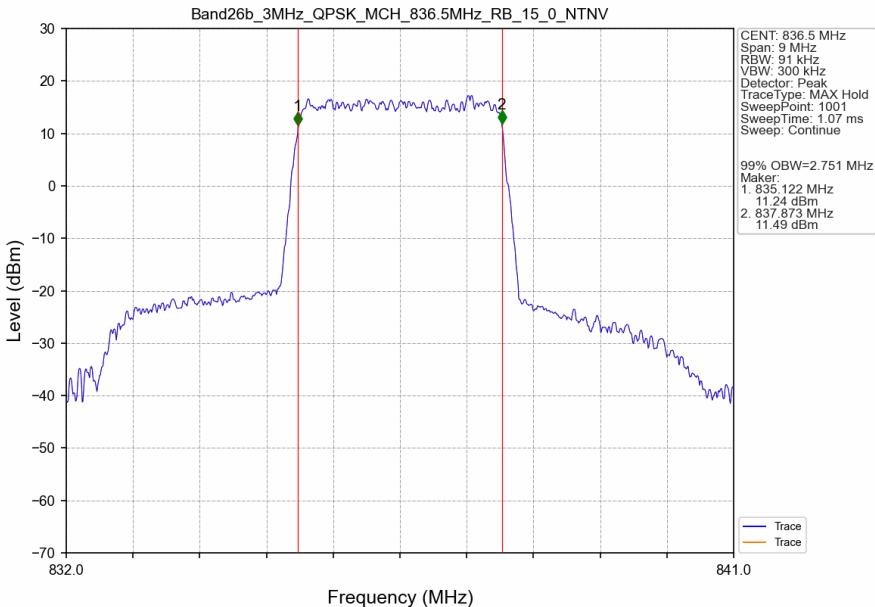
Band: 26b / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.325	/	Pass
	16QAM	836.5	6	0	1.309	/	Pass
3	QPSK	836.5	15	0	3.058	/	Pass
	16QAM	836.5	15	0	3.041	/	Pass
5	QPSK	836.5	25	0	5.075	/	Pass
	16QAM	836.5	25	0	5.102	/	Pass
10	QPSK	836.5	50	0	10.045	/	Pass
	16QAM	836.5	50	0	10.022	/	Pass
15	QPSK	836.5	75	0	15.032	/	Pass
	16QAM	836.5	75	0	14.928	/	Pass

3.2 Test Graph

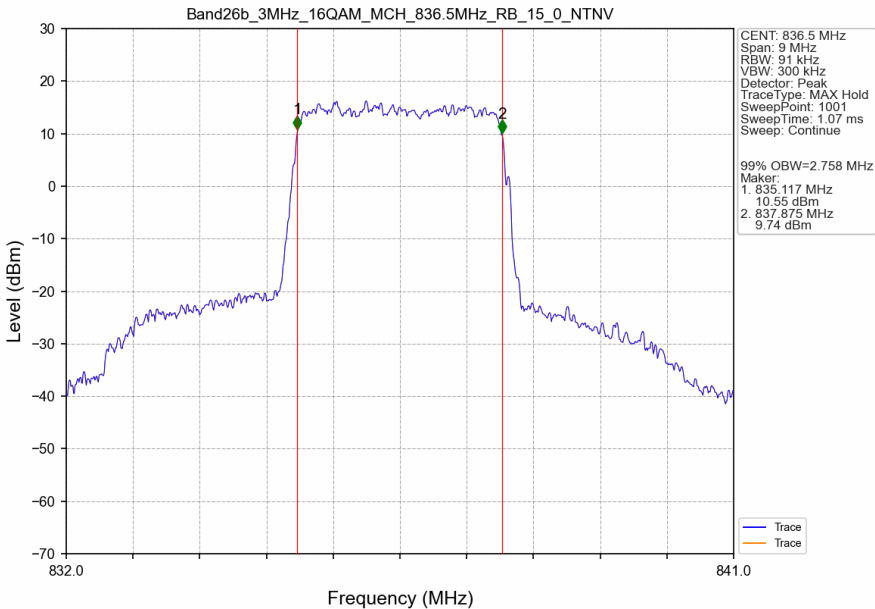
3.2.1 Band26b_OBW



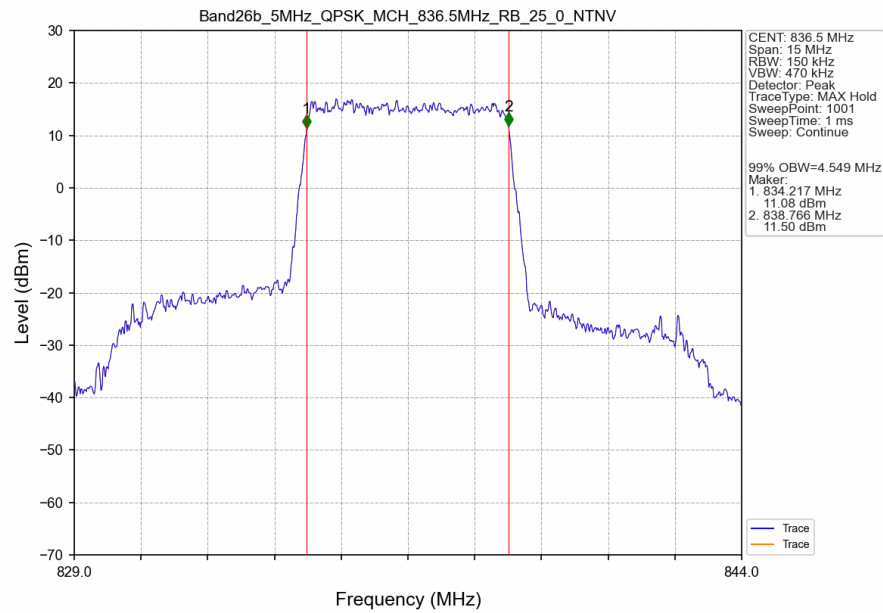
Band26b 3MHz QPSK MCH 836.5MHz RB 15 0 NTV



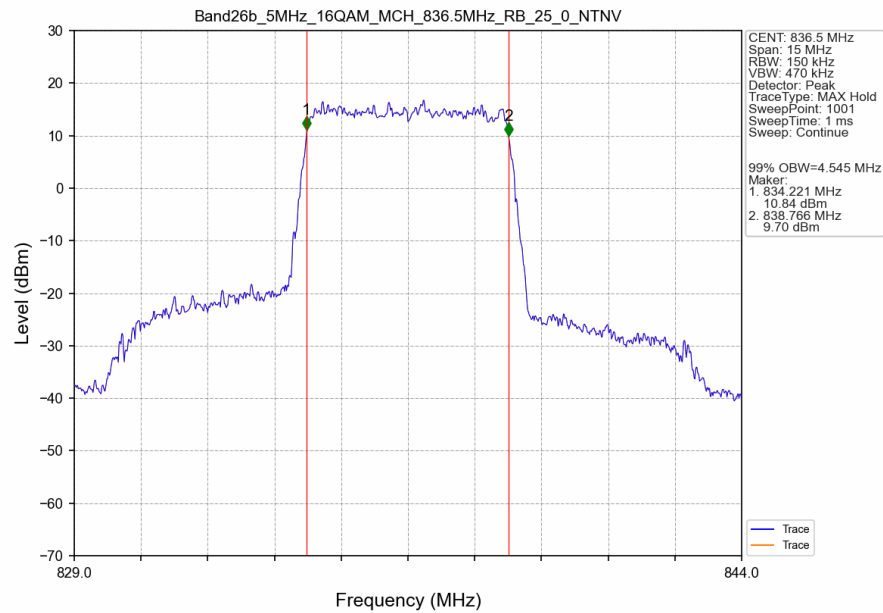
Band26b 3MHz 16QAM MCH 836.5MHz RB 15 0 NTV



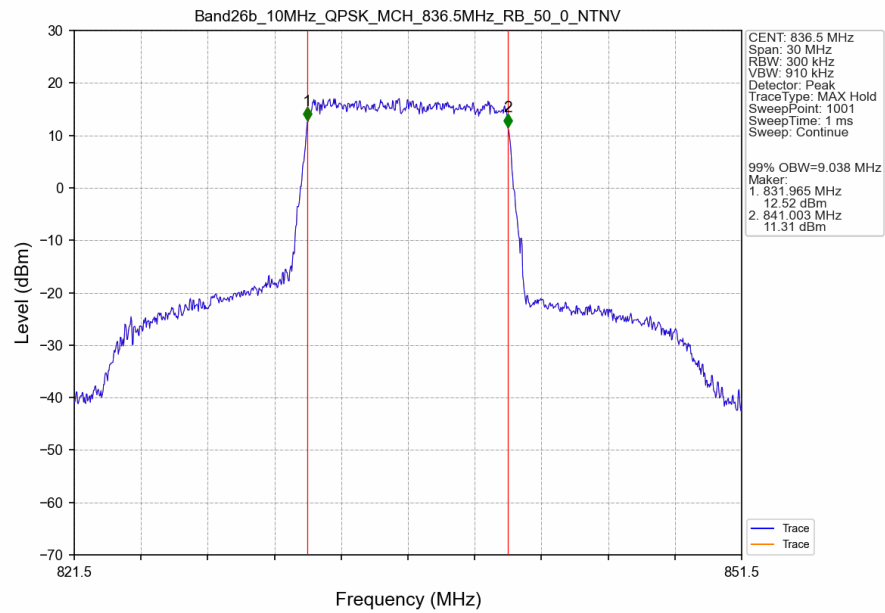
Band26b 5MHz QPSK MCH 836.5MHz RB 25 0 NTV



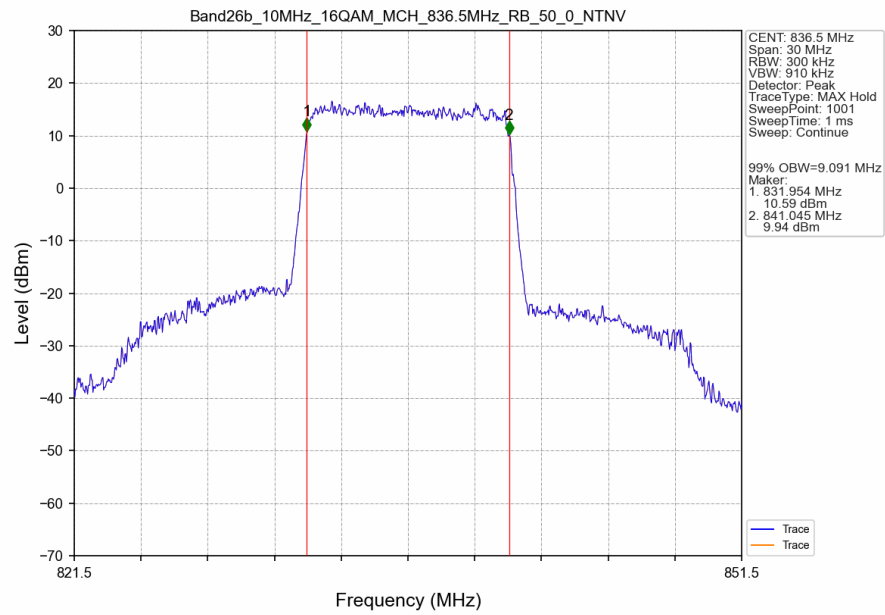
Band26b 5MHz 16QAM MCH 836.5MHz RB 25 0 NTV



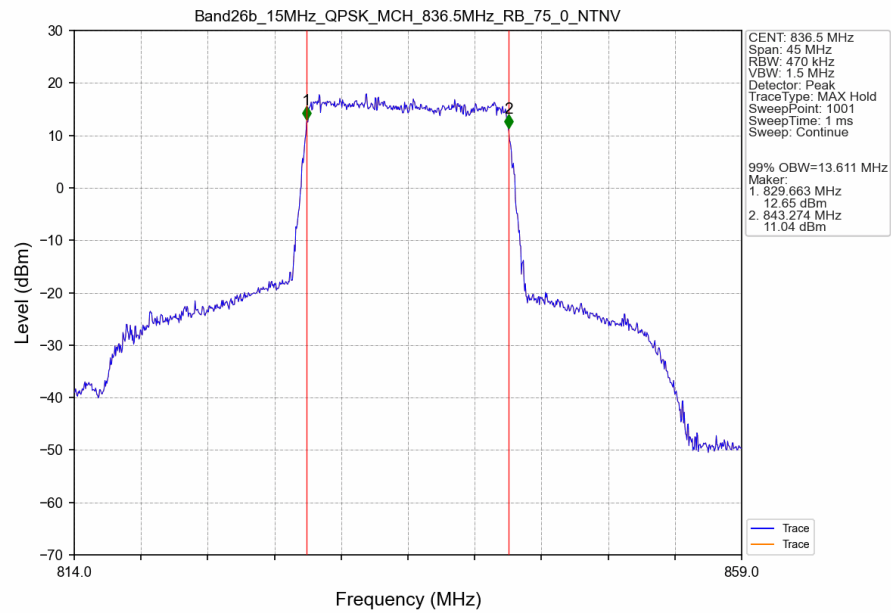
Band26b 10MHz QPSK MCH 836.5MHz RB 50 0 NTN



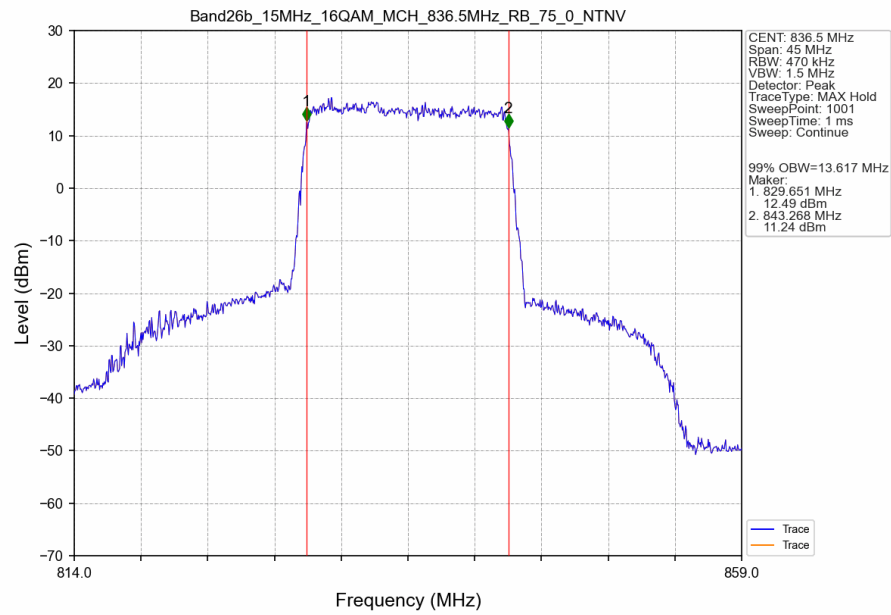
Band26b 10MHz 16QAM MCH 836.5MHz RB 50 0 NTN



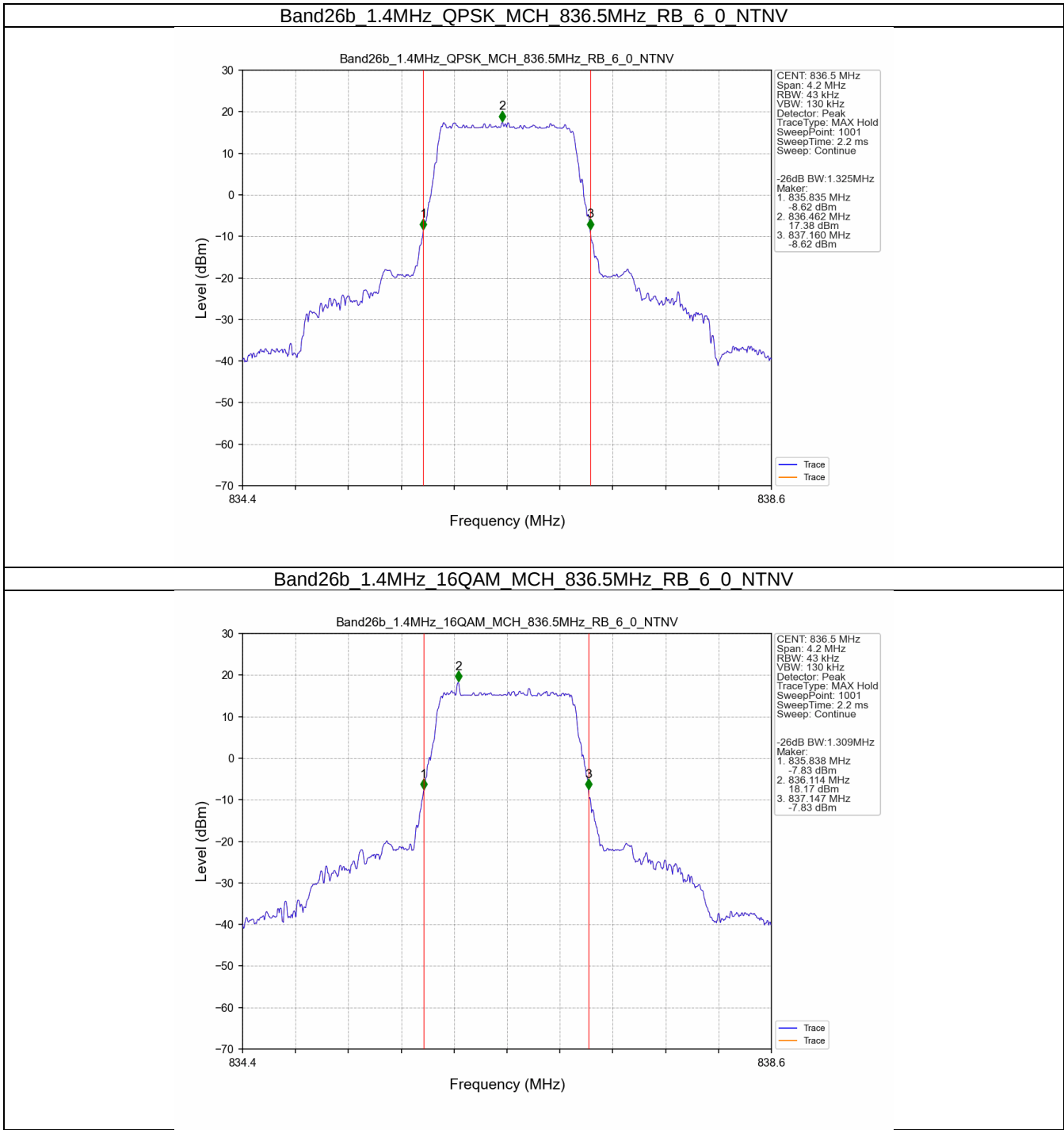
Band26b 15MHz QPSK MCH 836.5MHz RB 75 0 NTN



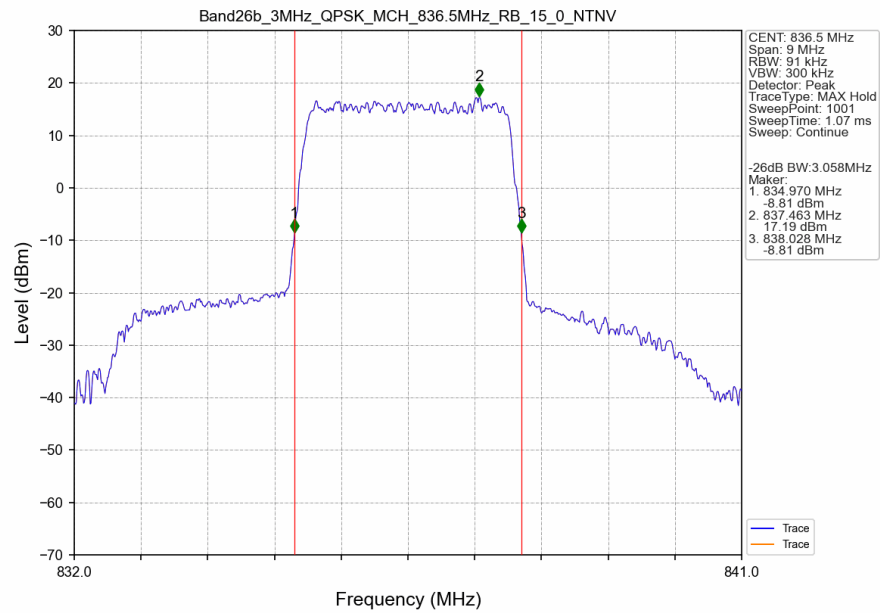
Band26b 15MHz 16QAM MCH 836.5MHz RB 75 0 NTN



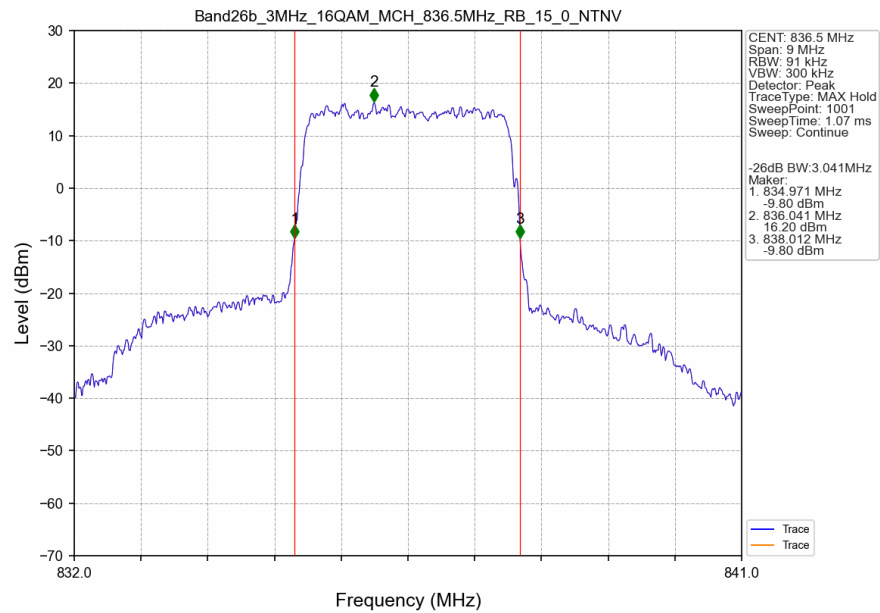
3.2.2 Band26b_XDB



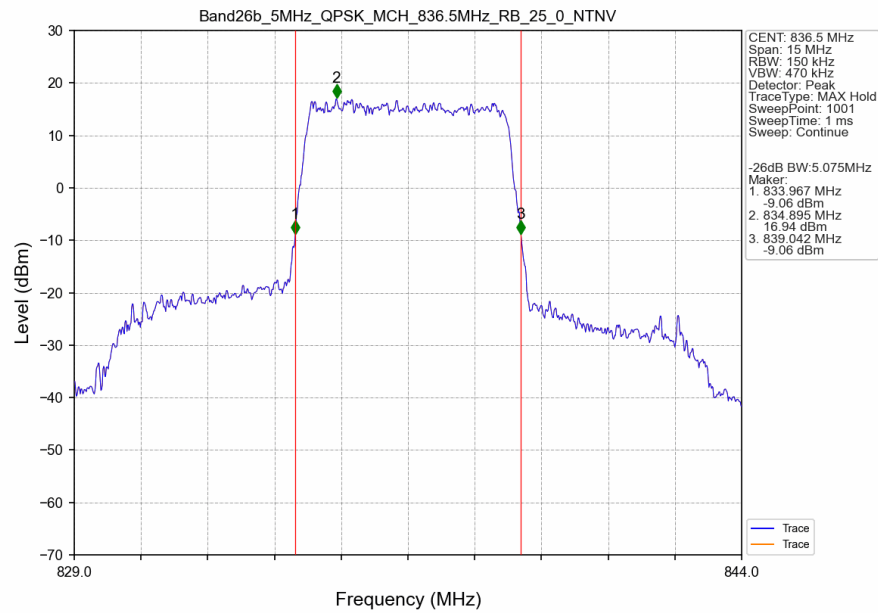
Band26b 3MHz QPSK MCH 836.5MHz RB 15 0 NTV



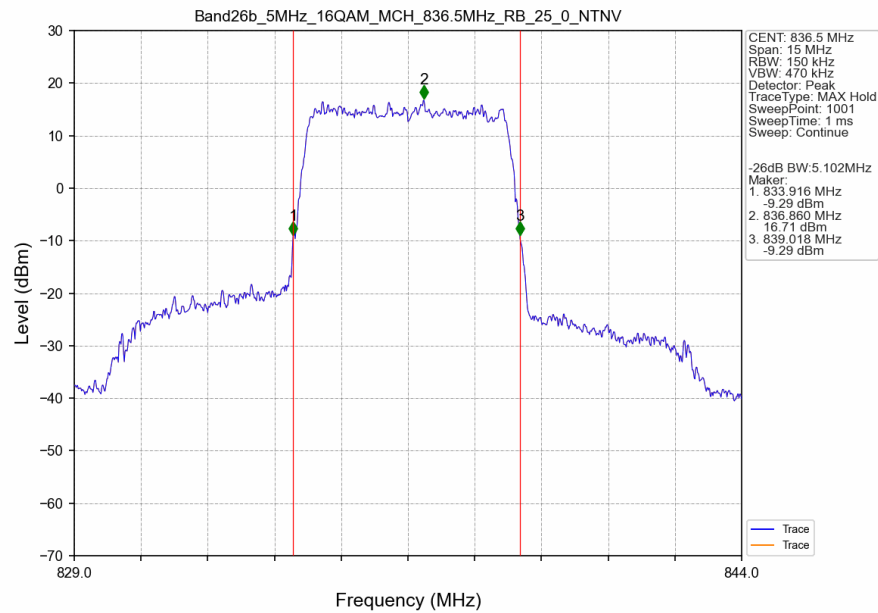
Band26b 3MHz 16QAM MCH 836.5MHz RB 15 0 NTV



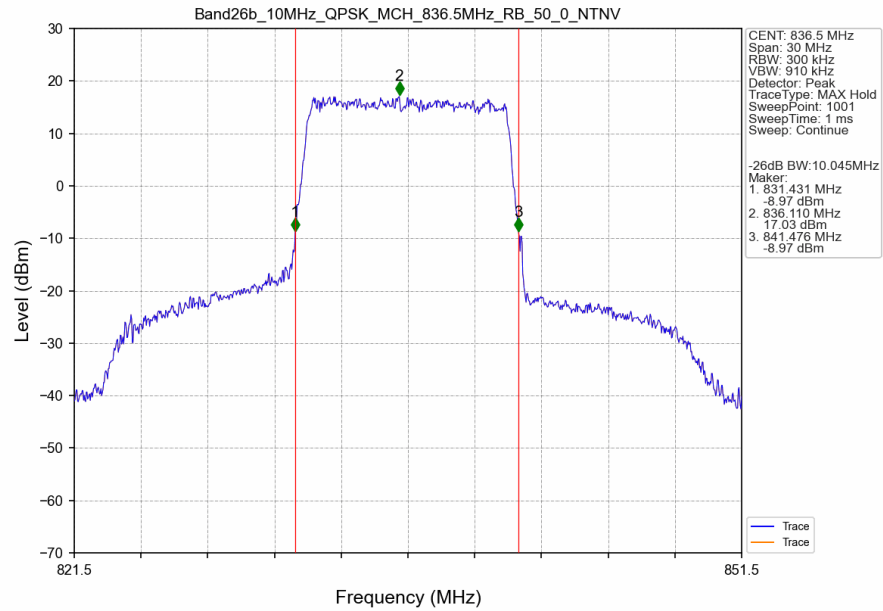
Band26b 5MHz QPSK MCH 836.5MHz RB 25 0 NTV



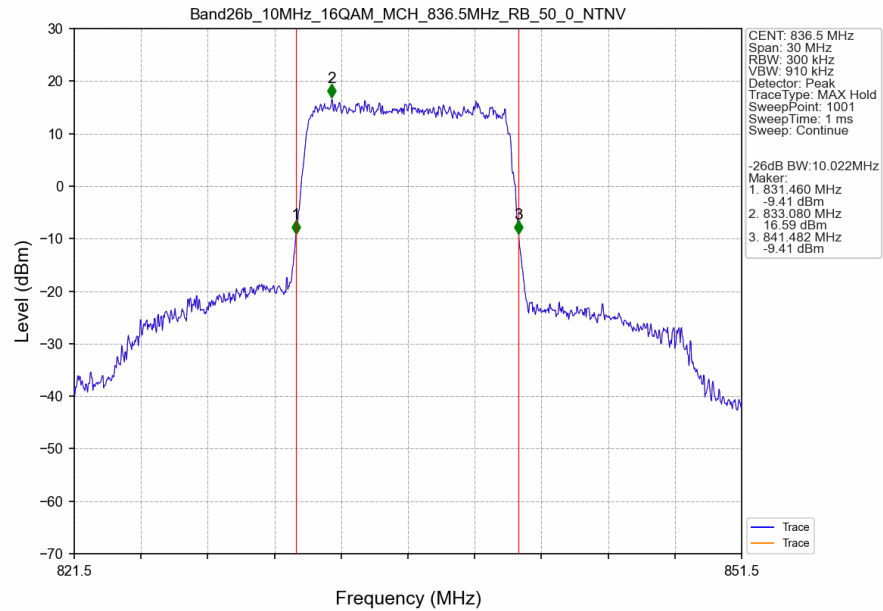
Band26b 5MHz 16QAM MCH 836.5MHz RB 25 0 NTV



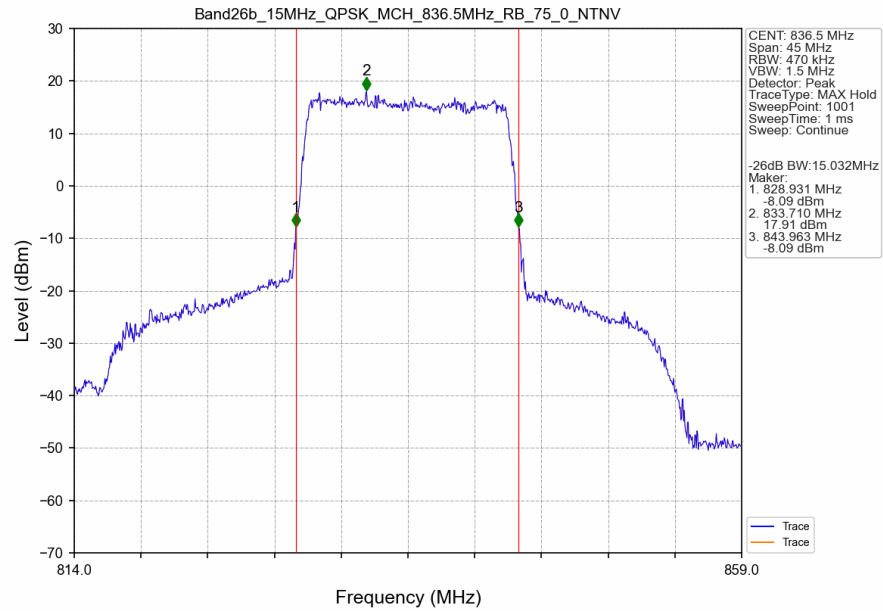
Band26b 10MHz QPSK MCH 836.5MHz RB 50 0 NTNV



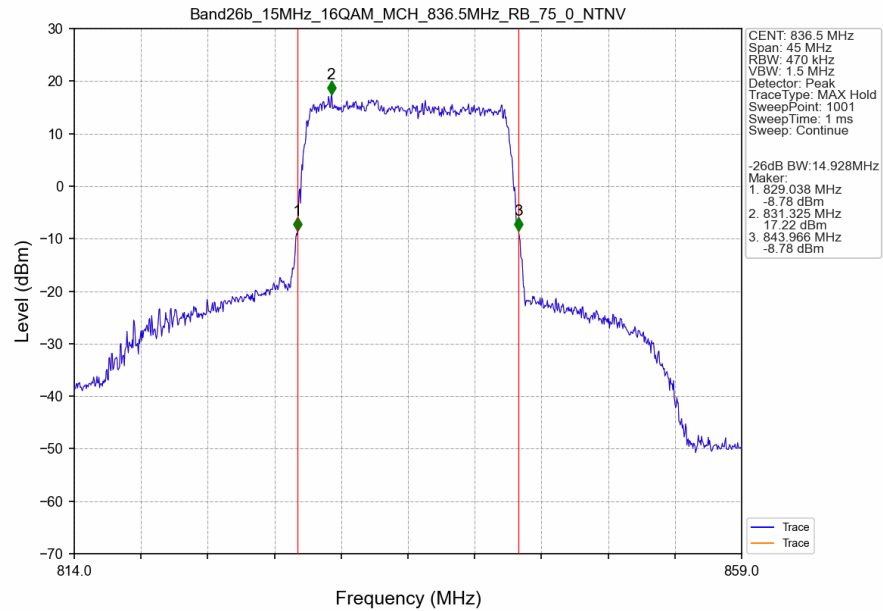
Band26b 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



Band26b 15MHz QPSK MCH 836.5MHz RB 75 0 NTV



Band26b 15MHz 16QAM MCH 836.5MHz RB 75 0 NTV



4. Peak-Average Ratio

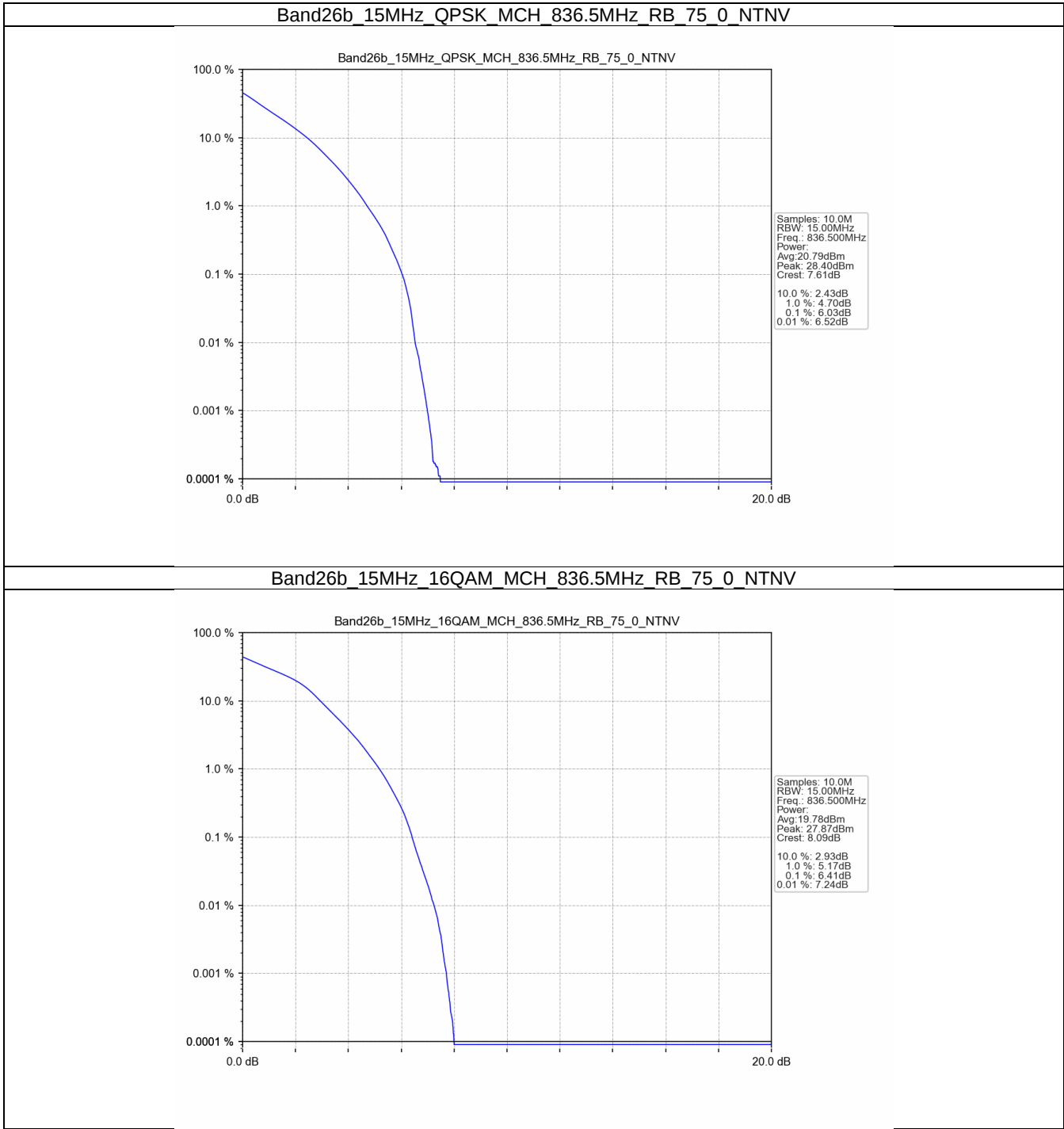
4.1 Test Result

4.1.1 B26b_15MHz

Band: 26b / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	75	0	6.03	<=13	Pass
16QAM	836.5	75	0	6.41	<=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		Pass
			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

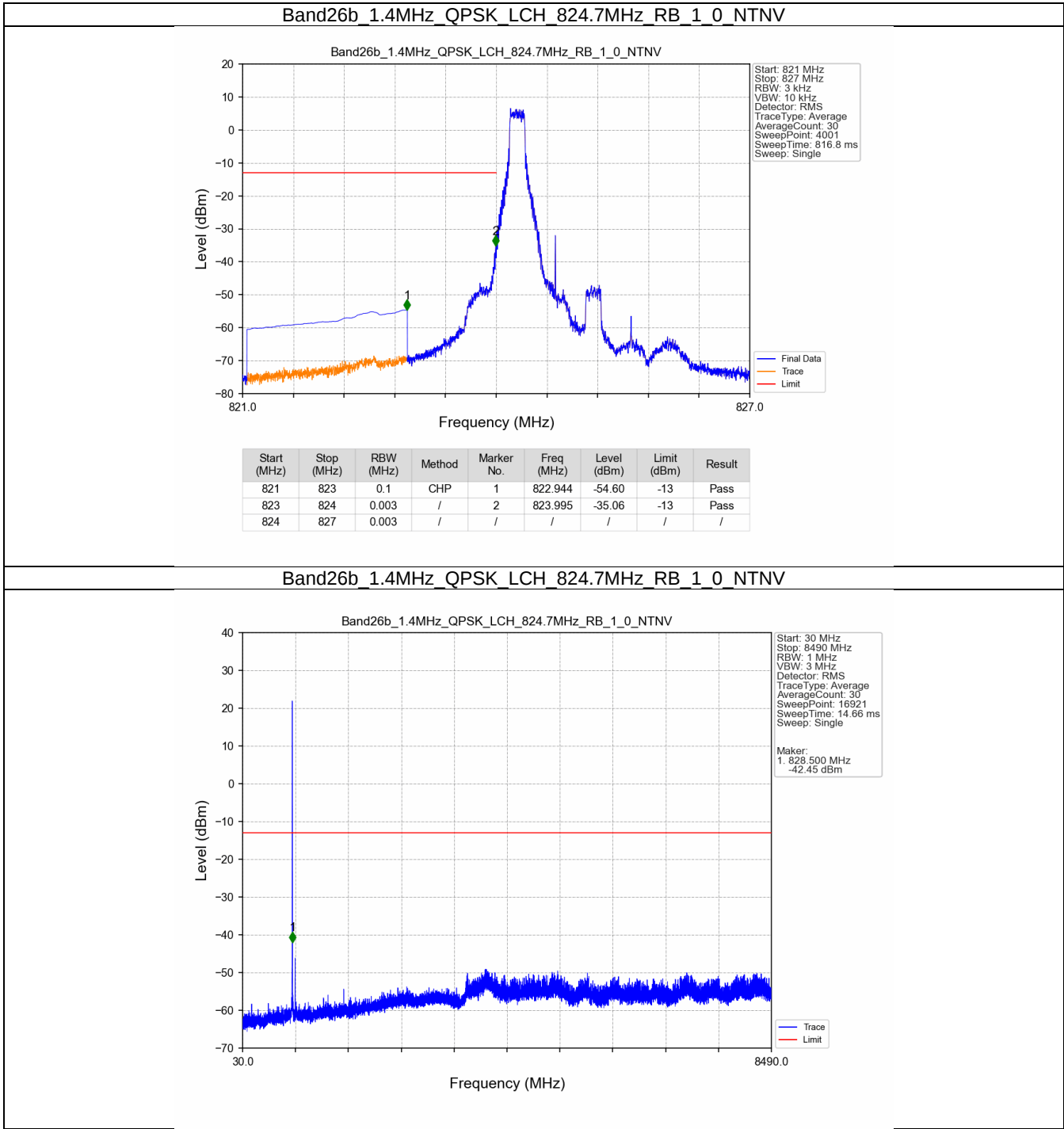
		50	0	Refer To Test Graph	Pass
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5.1.5 B26b_15MHz

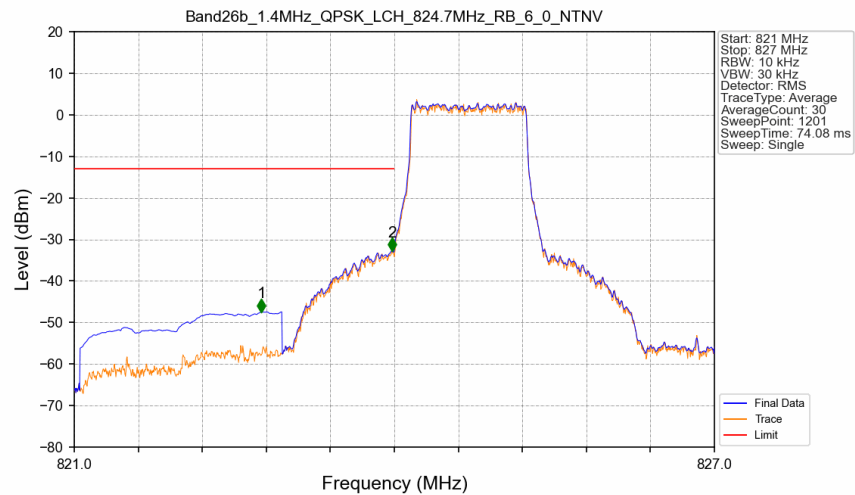
Band: 26b / Bandwidth: 15MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	831.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	836.5	1	0	Refer To Test Graph	Pass
	841.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass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

5.2 Test Graph

5.2.1 B26b_1.4MHz

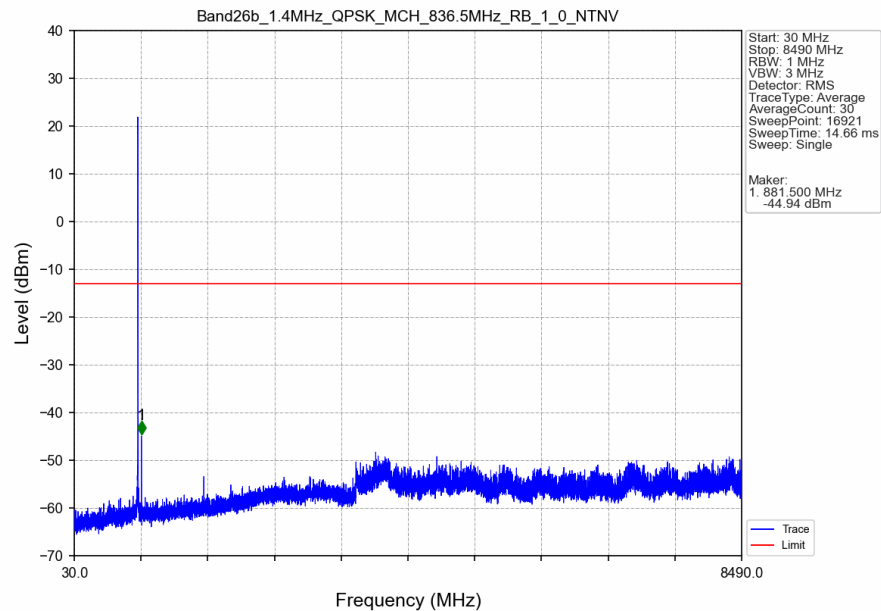


Band26b 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTV

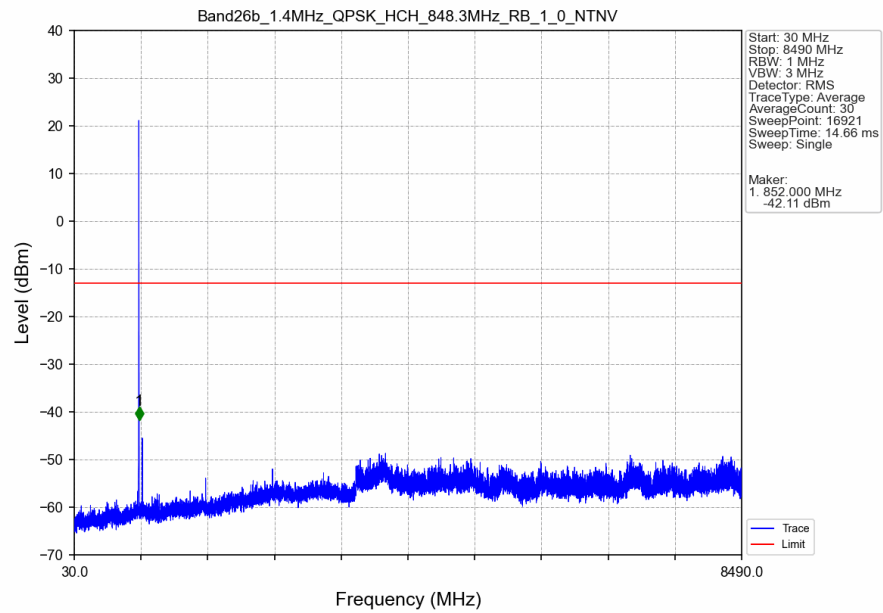


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.755	-47.43	-13	Pass
823	824	0.013	CHP	2	823.980	-32.70	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

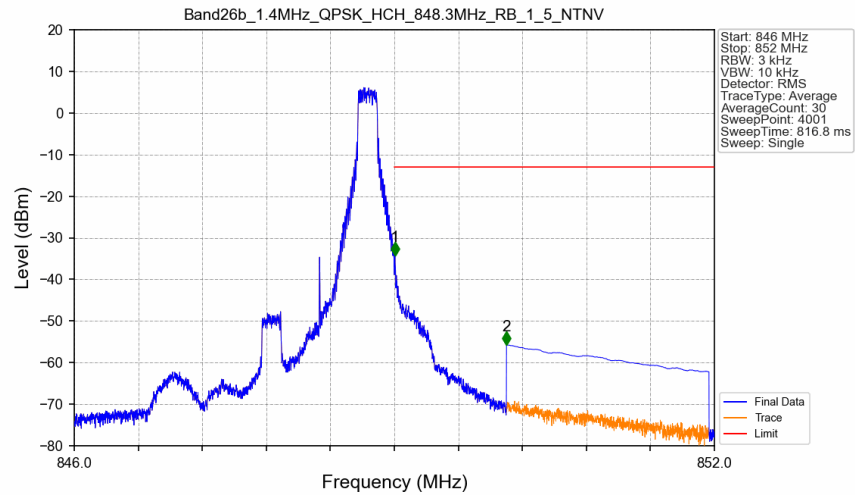
Band26b 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTV



Band26b 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV

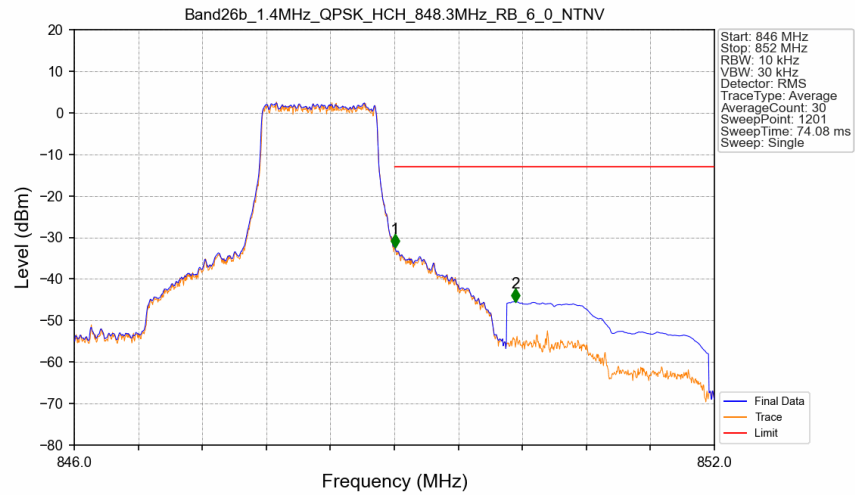


Band26b 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



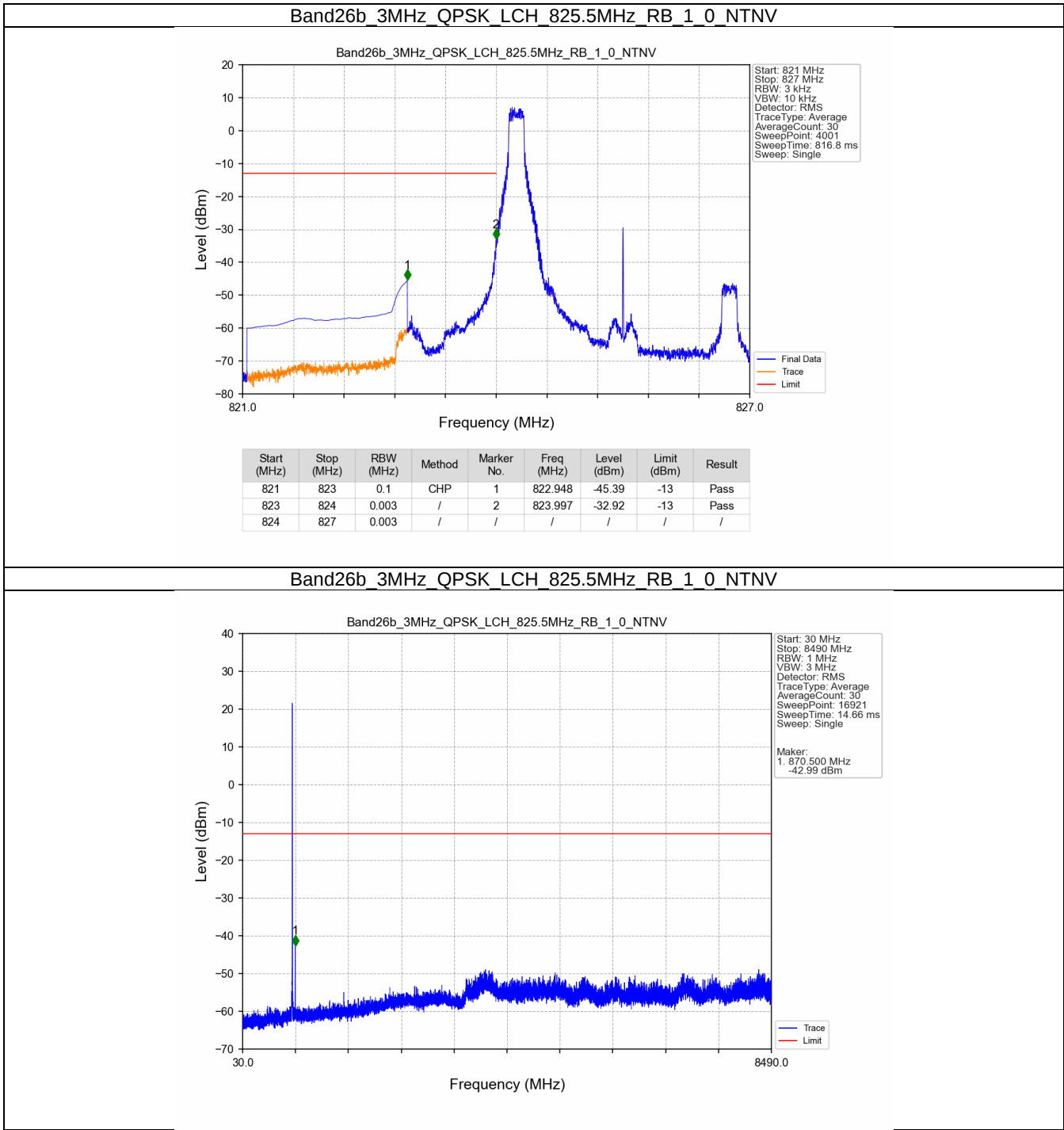
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.006	-34.15	-13	Pass
850	852	0.1	CHP	2	850.052	-55.76	-13	Pass

Band26b 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTV

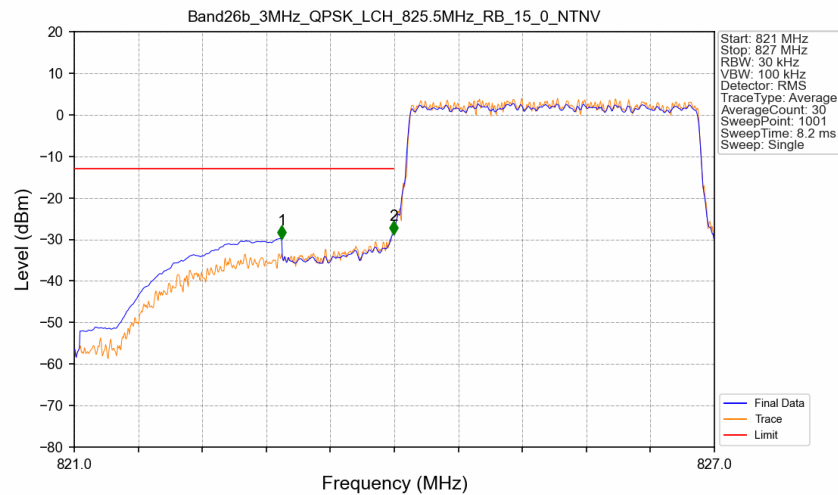


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.005	-32.37	-13	Pass
850	852	0.1	CHP	2	850.135	-45.45	-13	Pass

5.2.2 B26b_3MHz

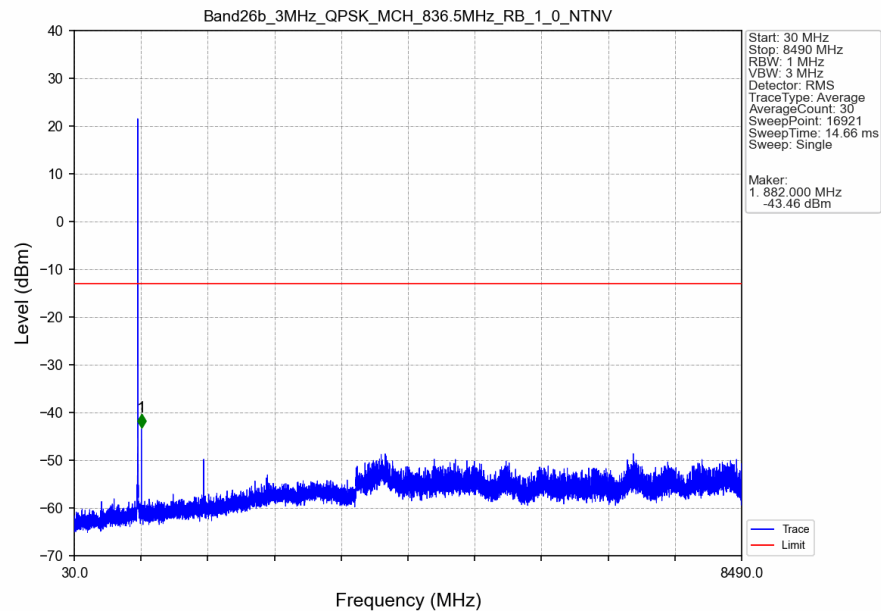


Band26b_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

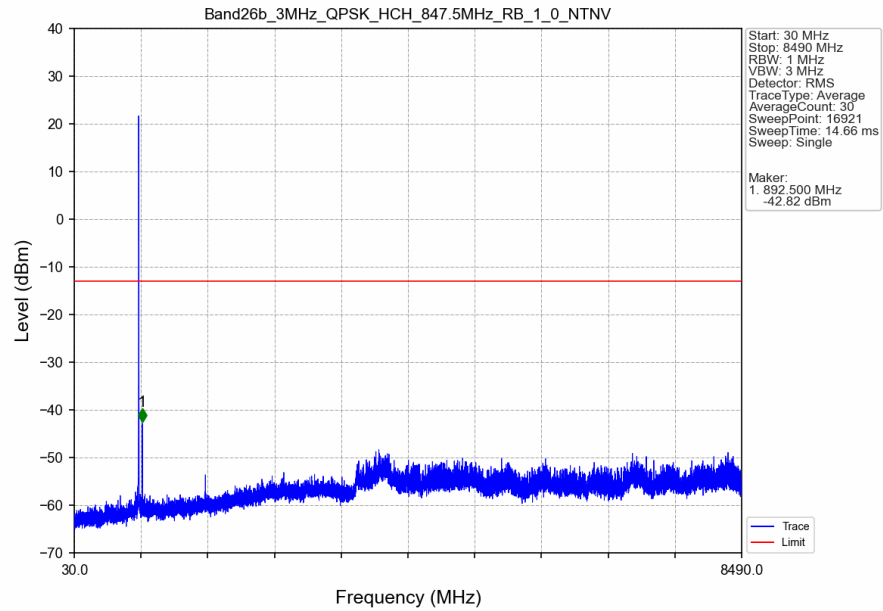


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.944	-29.79	-13	Pass
823	824	0.031	CHP	2	823.994	-28.76	-13	Pass
824	827	0.031	CHP	/	/	/	/	/

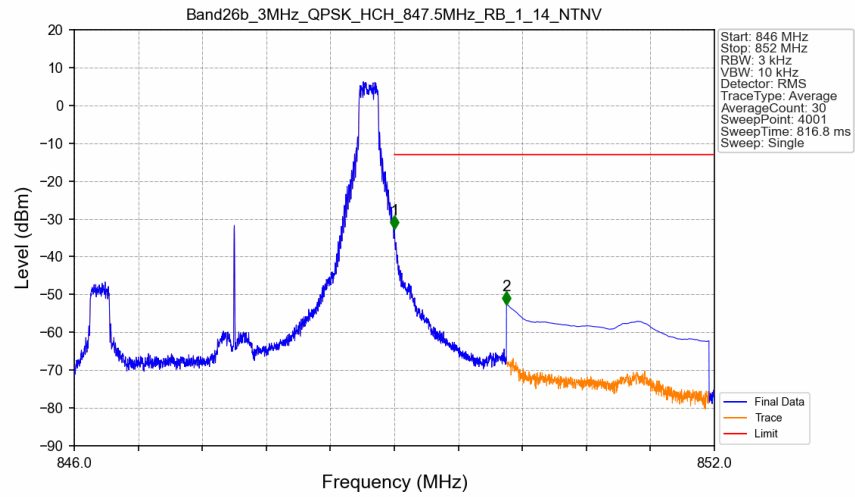
Band26b_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band26b 3MHz QPSK HCH 847.5MHz RB 1 0 NTV

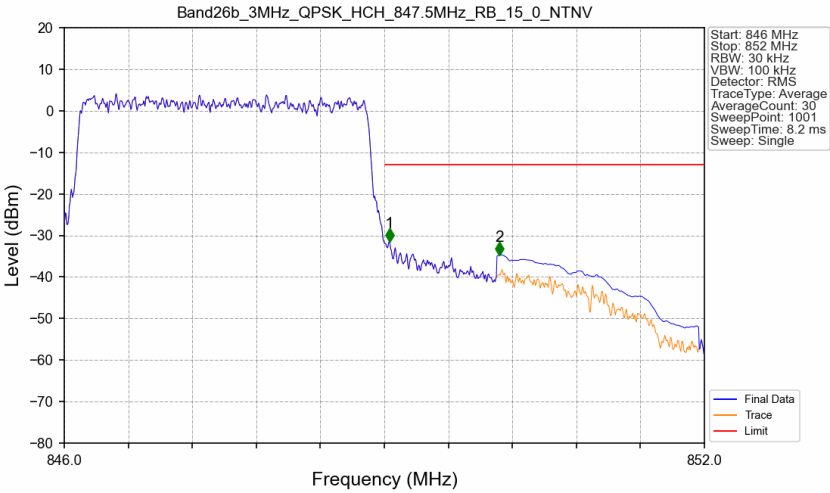


Band26b 3MHz QPSK HCH 847.5MHz RB 1 14 NTV



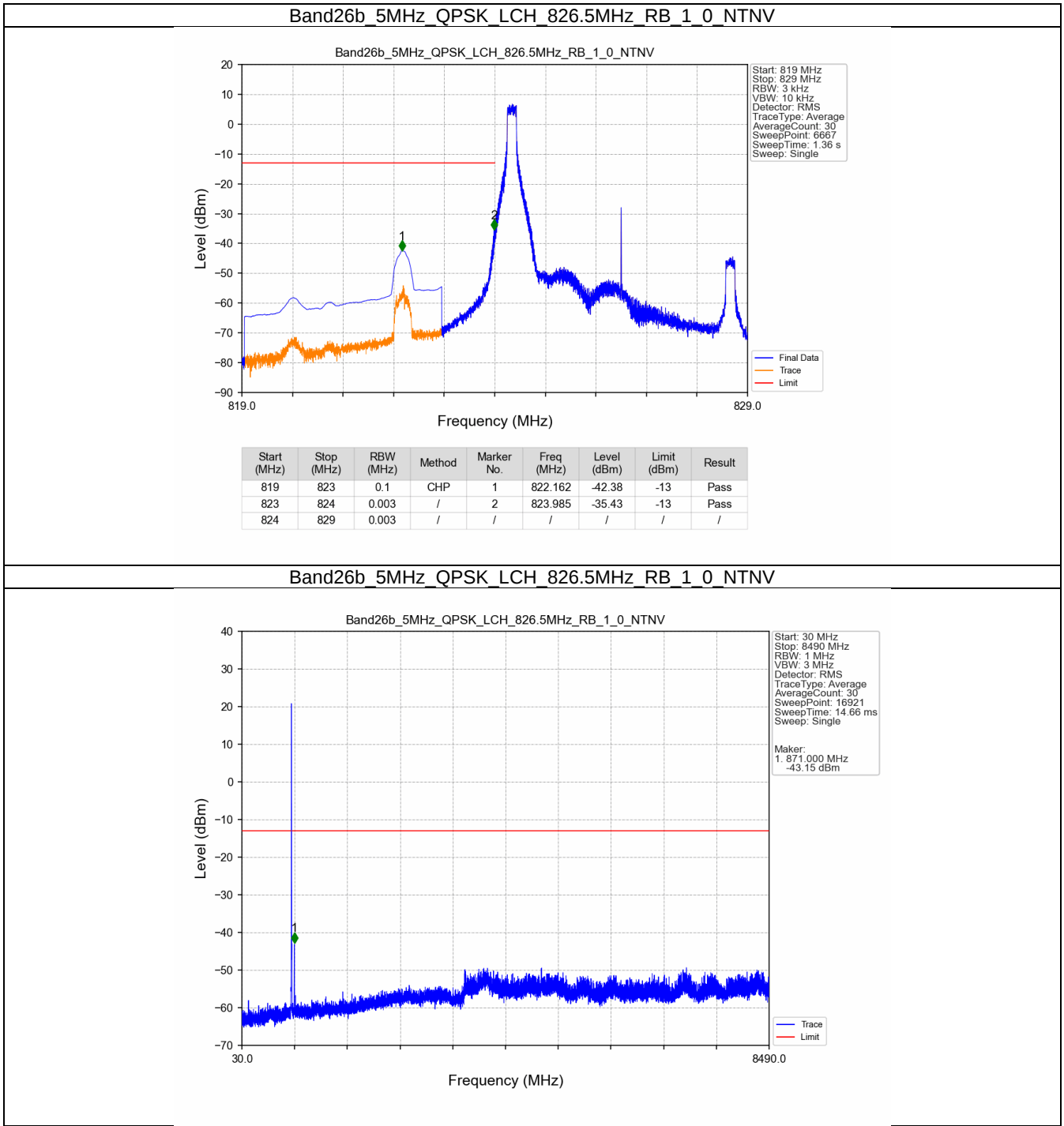
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-32.61	-13	Pass
850	852	0.1	CHP	2	850.052	-52.60	-13	Pass

Band26b 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV

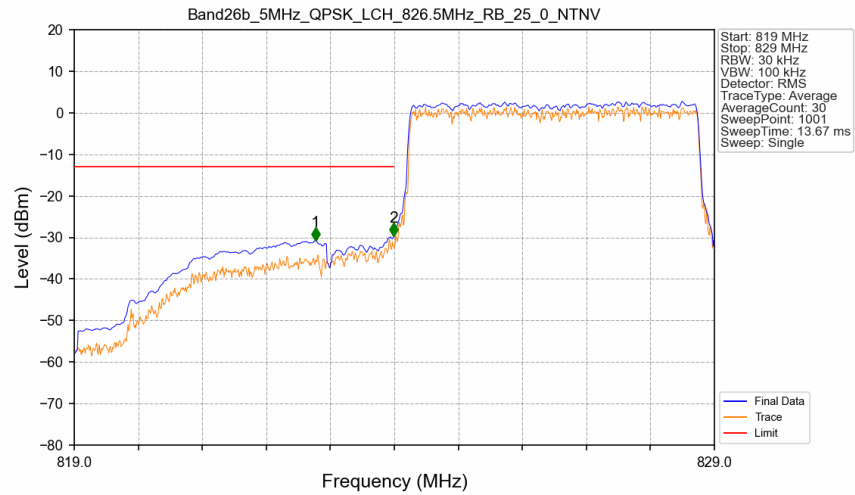


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.048	-31.41	-13	Pass
850	852	0.1	CHP	2	850.080	-34.70	-13	Pass

5.2.3 B26b_5MHz

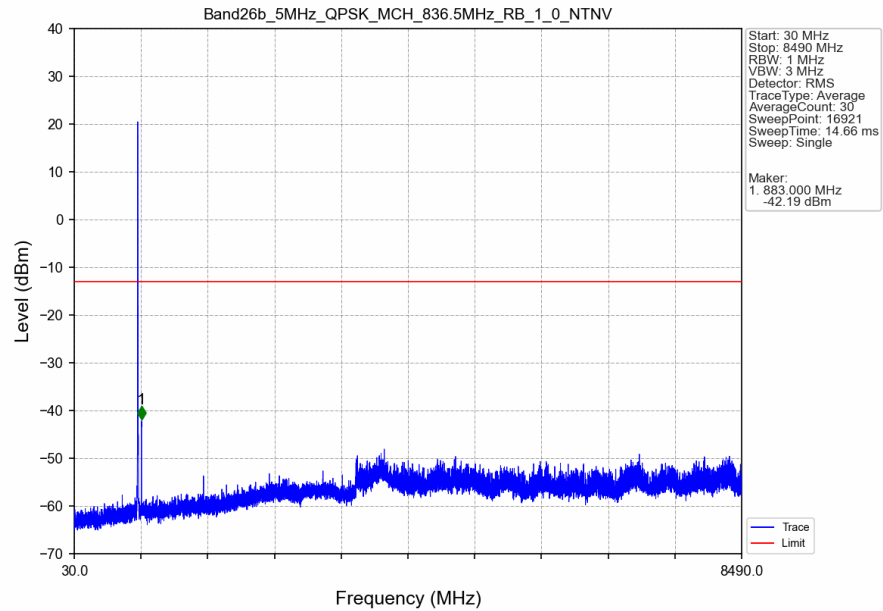


Band26b 5MHz QPSK LCH 826.5MHz RB 25 0 NTV

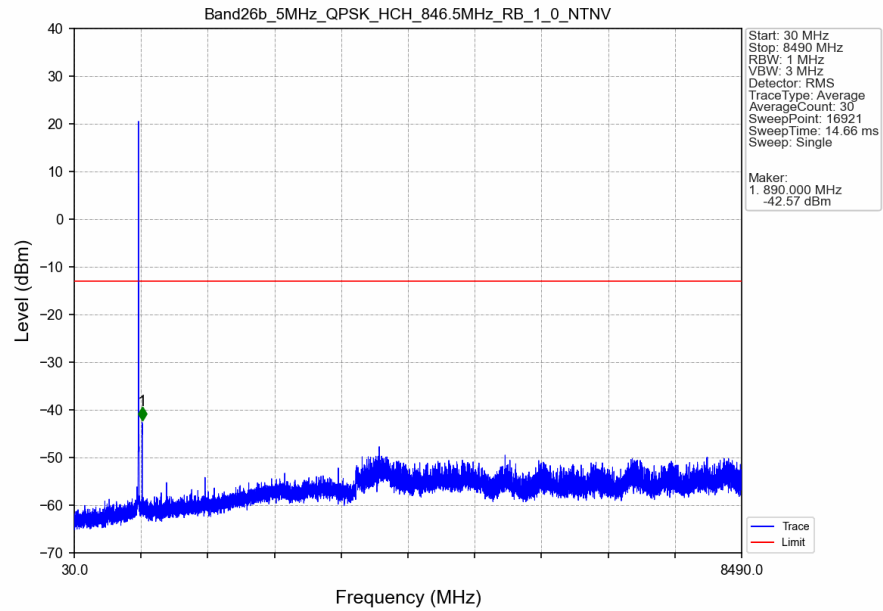


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.770	-30.71	-13	Pass
823	824	0.051	CHP	2	823.990	-29.67	-13	Pass
824	829	0.051	CHP	/	/	/	/	/

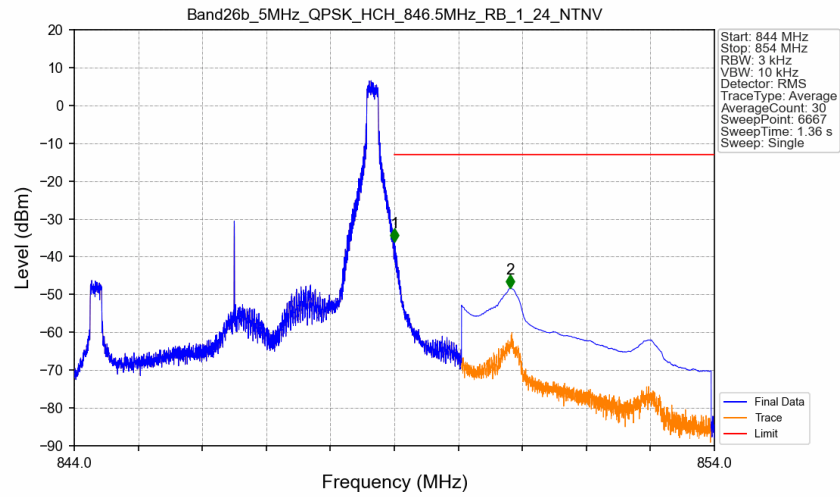
Band26b 5MHz QPSK MCH 836.5MHz RB 1 0 NTV



Band26b 5MHz QPSK HCH 846.5MHz RB 1 0 NTV

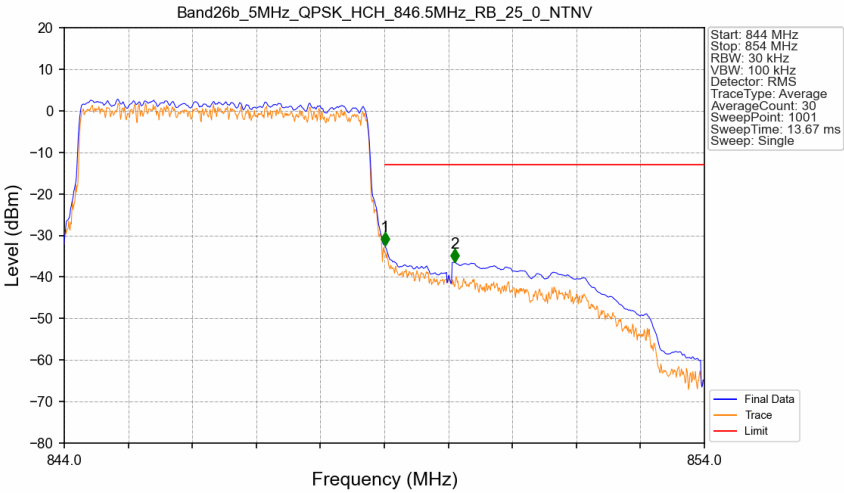


Band26b 5MHz QPSK HCH 846.5MHz RB 1 24 NTV



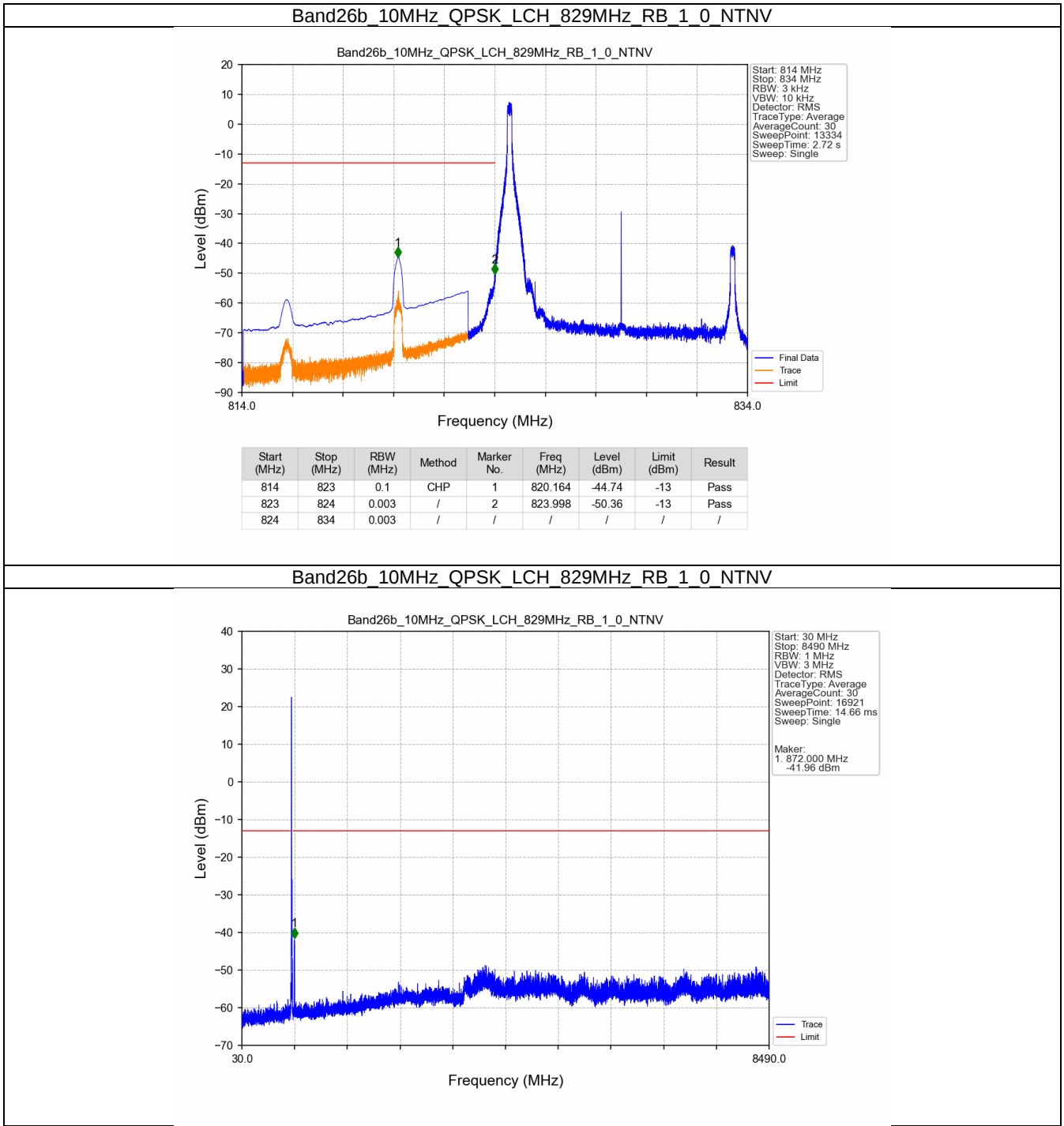
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-36.13	-13	Pass
850	854	0.1	CHP	2	850.808	-48.31	-13	Pass

Band26b 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV

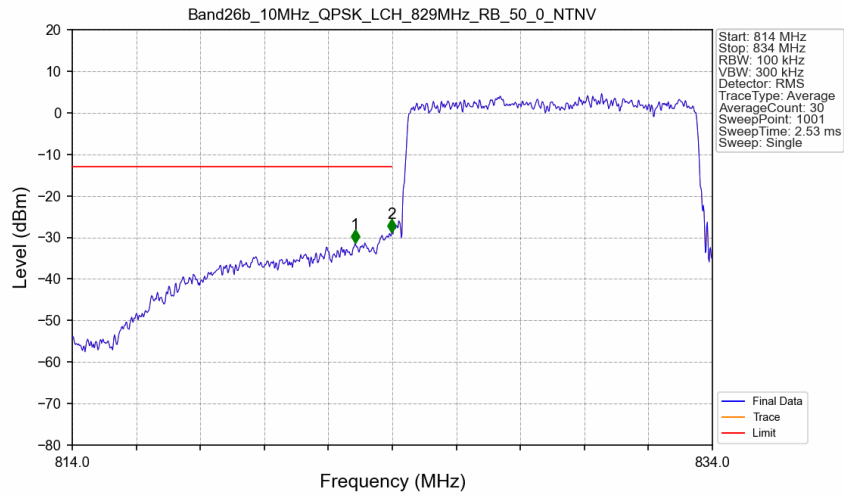


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	CHP	/	/	/	/	/
849	850	0.051	CHP	1	849.010	-32.47	-13	Pass
850	854	0.1	CHP	2	850.100	-36.45	-13	Pass

5.2.4 B26b_10MHz

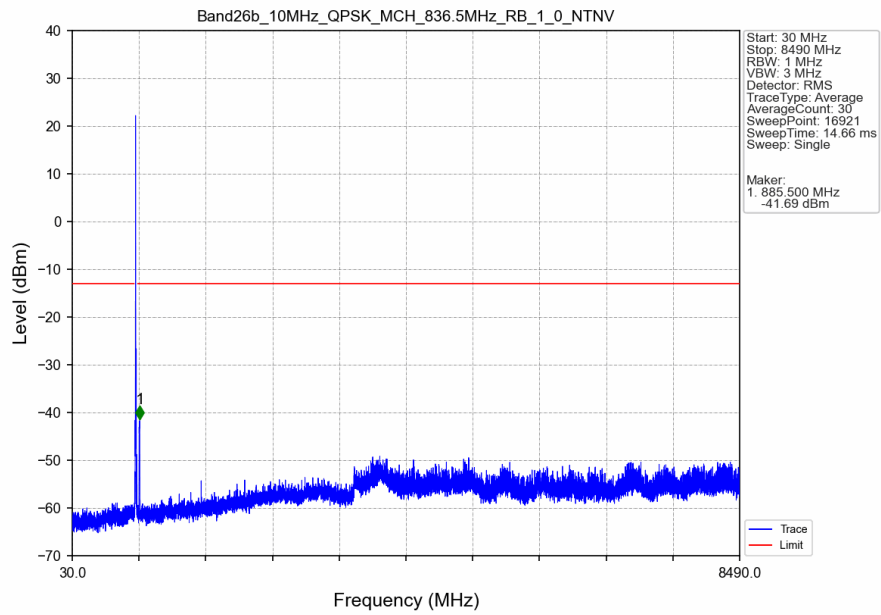


Band26b 10MHz QPSK LCH 829MHz RB 50 0 NTV

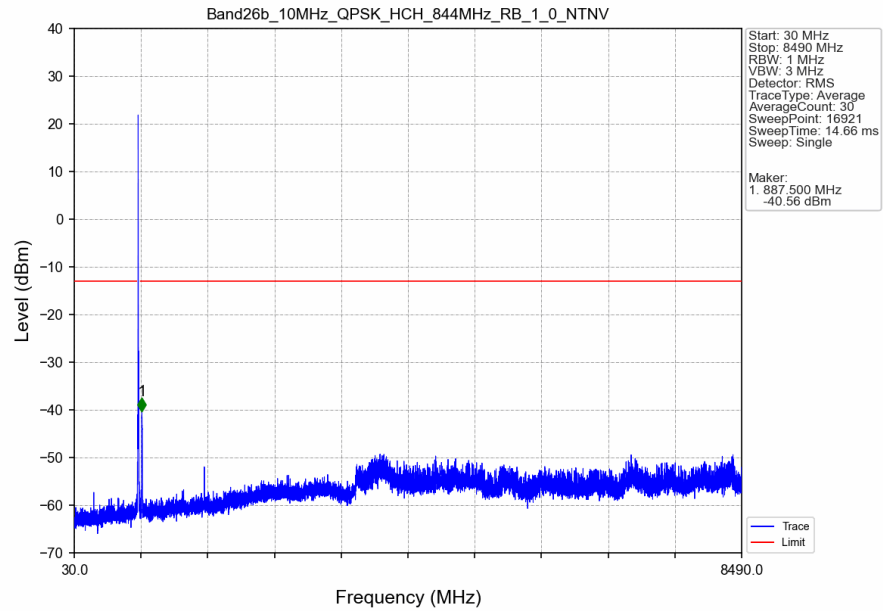


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.840	-31.38	-13	Pass
823	824	0.1	/	2	823.980	-28.76	-13	Pass
824	834	0.1	/	/	/	/	/	/

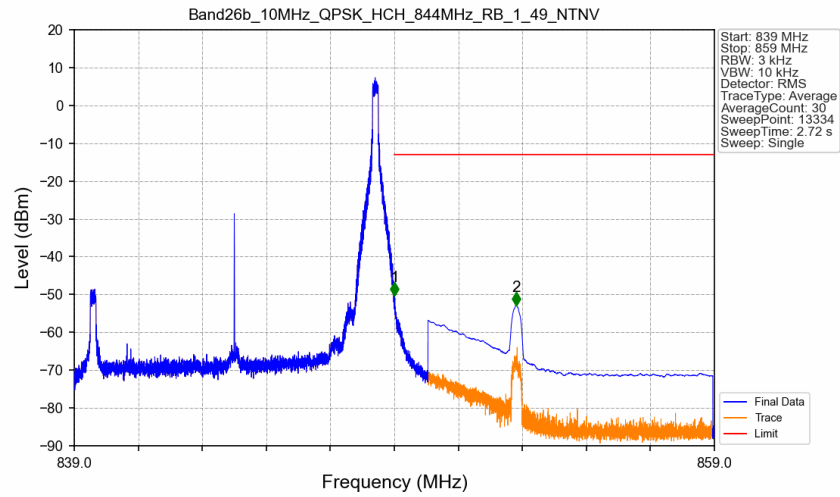
Band26b 10MHz QPSK MCH 836.5MHz RB 1 0 NTV



Band26b 10MHz QPSK HCH 844MHz RB 1 0 NTN

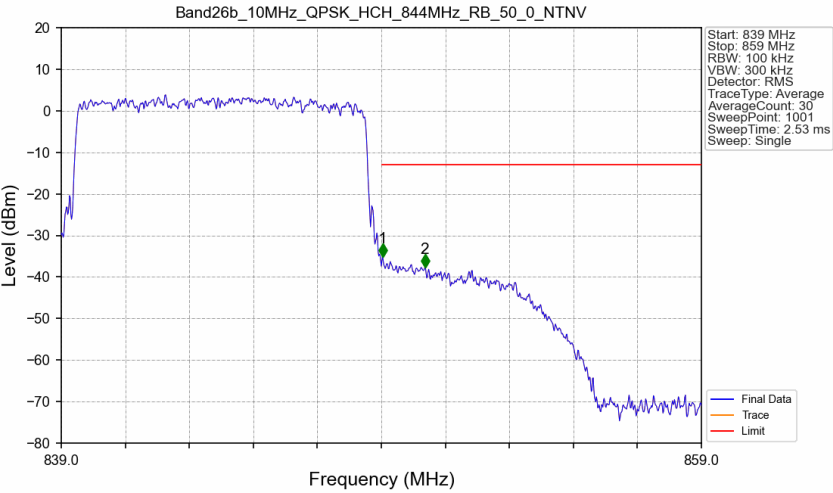


Band26b 10MHz QPSK HCH 844MHz RB 1 49 NTN



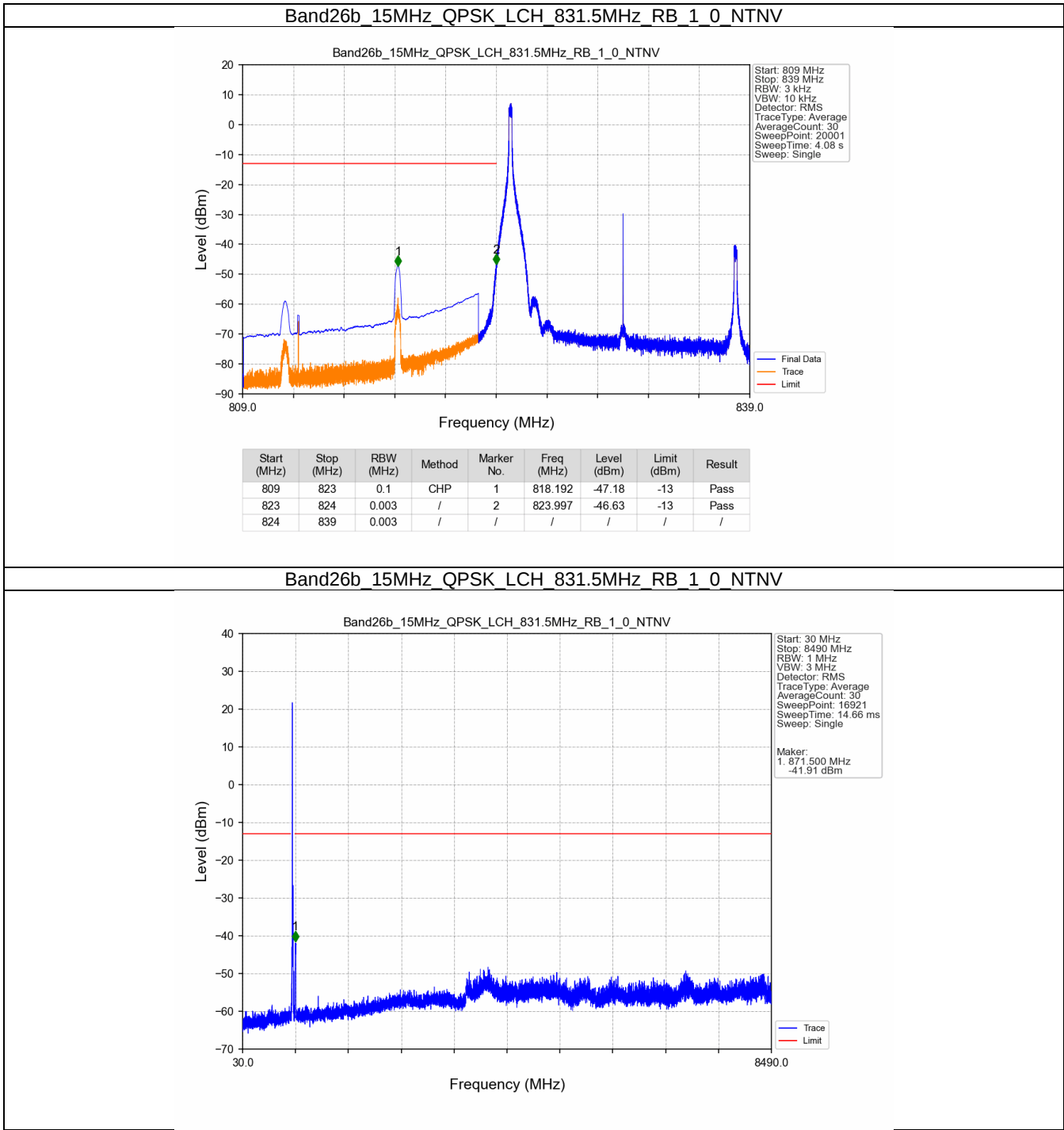
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.004	-50.30	-13	Pass
850	859	0.1	CHP	2	852.803	-52.78	-13	Pass

Band26b 10MHz QPSK HCH 844MHz RB 50 0 NTV

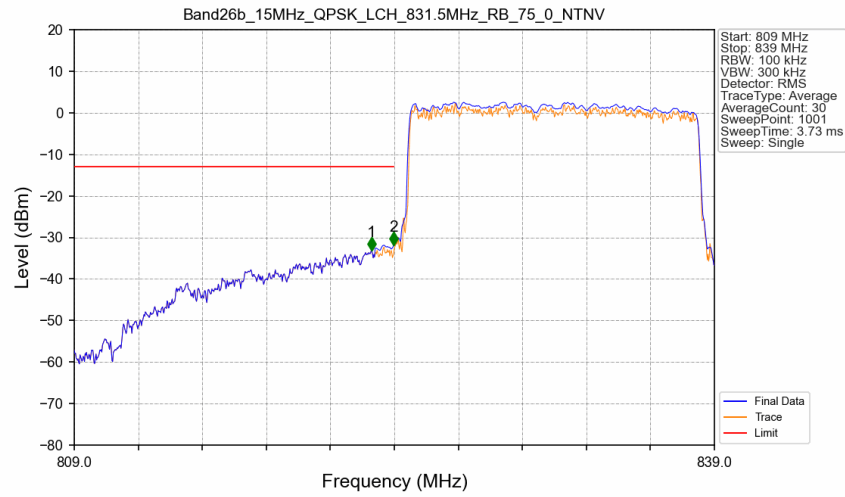


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	850	0.1	/	1	849.040	-35.09	-13	Pass
850	859	0.1	/	2	850.360	-37.64	-13	Pass

5.2.5 B26b_15MHz

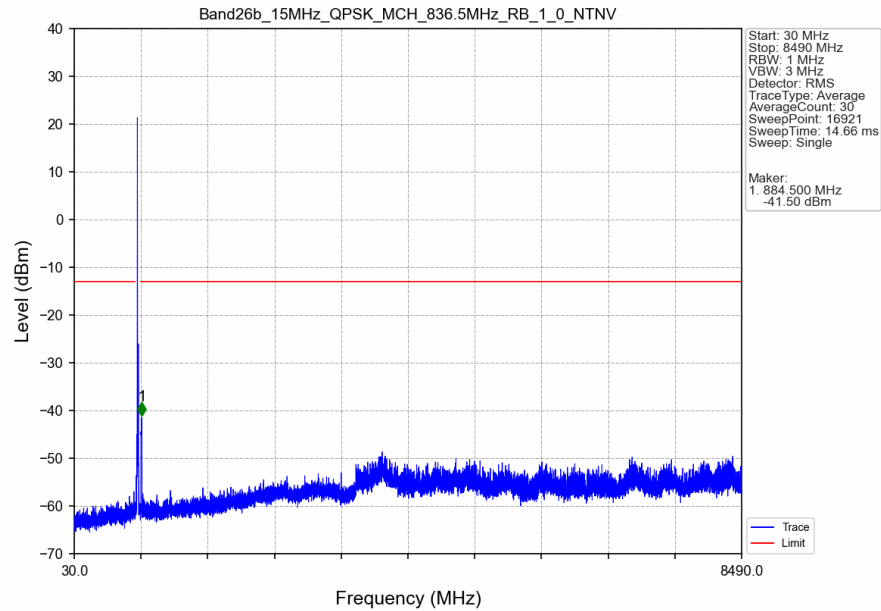


Band26b 15MHz QPSK LCH 831.5MHz RB 75 0 NTV

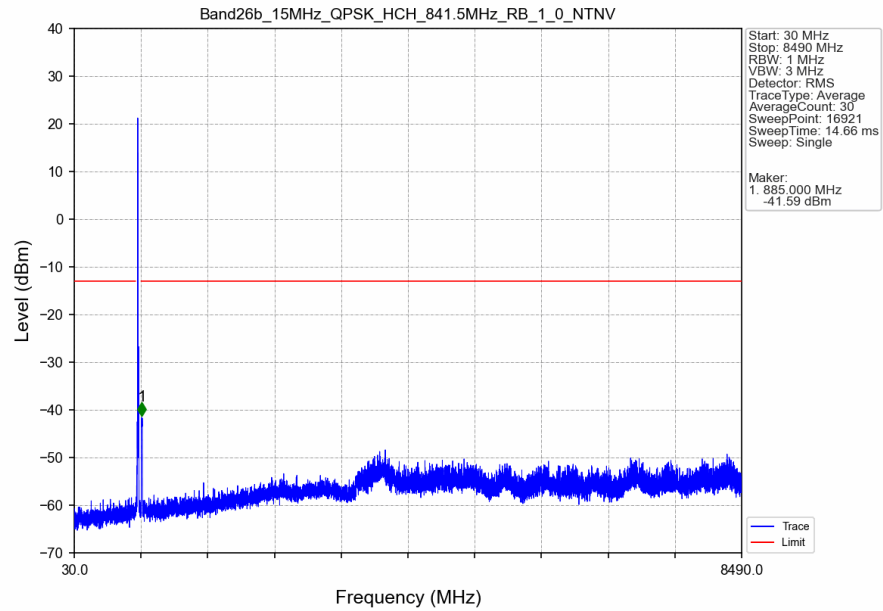


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	823	0.1	/	1	822.920	-33.11	-13	Pass
823	824	0.15	CHP	2	823.970	-31.82	-13	Pass
824	839	0.15	CHP	/	/	/	/	/

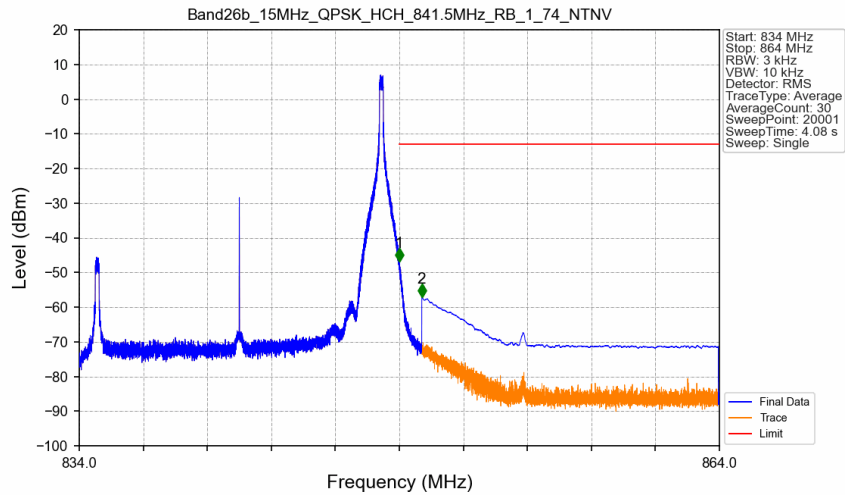
Band26b 15MHz QPSK MCH 836.5MHz RB 1 0 NTV



Band26b 15MHz QPSK HCH 841.5MHz RB 1 0 NTNV

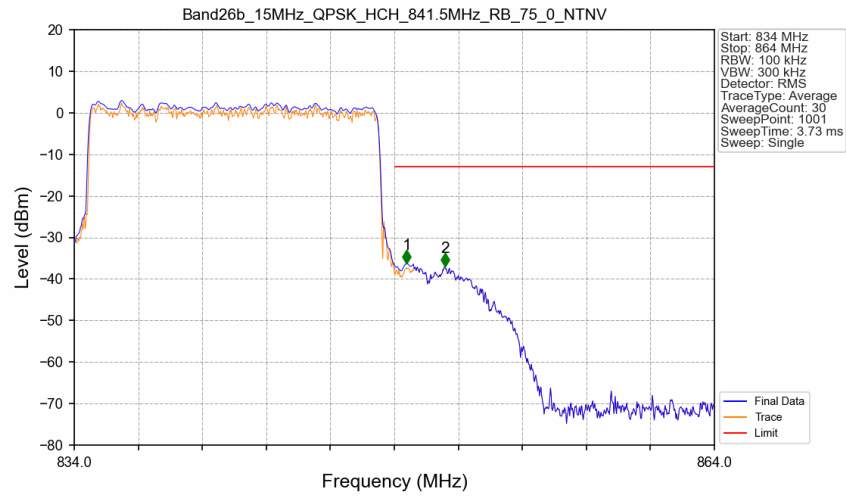


Band26b 15MHz QPSK HCH 841.5MHz RB 1 74 NTNV



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	849.001	-46.84	-13	Pass
850	864	0.1	CHP	2	850.052	-57.10	-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	0.15	CHP	/	/	/	/	/
849	850	0.15	CHP	1	849.570	-36.27	-13	Pass
850	864	0.1	/	2	851.370	-37.02	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 26b(824-849MHz)-Low channel, Modulation: QPSK, Bandwidth:15MHz, 1RB#0				
Frequency	Spurious Emission Level		Limit	Margin
(MHz)	Polaxis	(dBm)	(dBm)	(dB)
1649.5	H	-61.39	-13	48.39
2474.25	H	-60.01	-13	47.01
3299	H	-56.93	-13	43.93
1649.5	V	-62.75	-13	49.75
2474.25	V	-60.53	-13	47.53
3299	V	-56.94	-13	43.94

LTE Band 26b(824-849MHz)-Middle channel, Modulation: QPSK, Bandwidth:15MHz, 1RB#0				
Frequency	Spurious Emission Level		Limit	Margin
(MHz)	Polaxis	(dBm)	(dBm)	(dB)
1659.5	H	-61.95	-13	48.95
2489.25	H	-60.06	-13	47.06
3319	H	-56.32	-13	43.32
1659.5	V	-62.11	-13	49.11
2489.25	V	-60.07	-13	47.07
3319	V	-57.23	-13	44.23

LTE Band 26b(824-849MHz)-High channel, Modulation: QPSK, Bandwidth:15MHz, 1RB#0				
Frequency	Spurious Emission Level		Limit	Margin
(MHz)	Polaxis	(dBm)	(dBm)	(dB)
1669.5	H	-62.16	-13	49.16
2504.25	H	-60.31	-13	47.31
3339	H	-56.31	-13	43.31
1669.5	V	-61.39	-13	48.39
2504.25	V	-59.68	-13	46.68
3339	V	-57.59	-13	44.59