

1. Conducted Power Output Data

1.1 Test Result

1.1.1 B26a_1.4MHz

Band: 26a / Bandwidth: 1.4MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict
		Size	Offset	Result	Limit	
QPSK	814.7	1	0	22.85	<=50	Pass
			2	22.88	<=50	Pass
			5	22.93	<=50	Pass
		3	0	22.83	<=50	Pass
			2	22.74	<=50	Pass
			3	22.84	<=50	Pass
		6	0	21.81	<=50	Pass
	819	1	0	22.84	<=50	Pass
			2	22.65	<=50	Pass
			5	22.62	<=50	Pass
		3	0	22.73	<=50	Pass
			2	22.70	<=50	Pass
			3	22.72	<=50	Pass
		6	0	21.87	<=50	Pass
	823.3	1	0	22.95	<=50	Pass
			2	22.68	<=50	Pass
			5	22.72	<=50	Pass
		3	0	22.83	<=50	Pass
			2	22.93	<=50	Pass
			3	22.87	<=50	Pass
		6	0	21.80	<=50	Pass
16QAM	814.7	1	0	21.50	<=50	Pass
			2	22.15	<=50	Pass
			5	21.69	<=50	Pass
		3	0	22.06	<=50	Pass
			2	21.85	<=50	Pass
			3	21.91	<=50	Pass
		6	0	20.92	<=50	Pass
	819	1	0	22.01	<=50	Pass
			2	21.92	<=50	Pass
			5	21.88	<=50	Pass
		3	0	21.84	<=50	Pass
			2	21.68	<=50	Pass
			3	21.94	<=50	Pass
		6	0	20.56	<=50	Pass
	823.3	1	0	22.11	<=50	Pass
			2	21.63	<=50	Pass
			5	22.58	<=50	Pass
		3	0	21.71	<=50	Pass
			2	21.79	<=50	Pass
			3	21.38	<=50	Pass
		6	0	20.87	<=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	22.84	<=50	Pass
			7	23.34	<=50	Pass
			14	22.82	<=50	Pass
		8	0	21.91	<=50	Pass
			4	21.90	<=50	Pass
			7	21.86	<=50	Pass
		15	0	21.89	<=50	Pass
	819	1	0	22.67	<=50	Pass
			7	22.74	<=50	Pass
			14	22.95	<=50	Pass
		8	0	22.01	<=50	Pass
			4	21.76	<=50	Pass
			7	21.88	<=50	Pass
		15	0	21.86	<=50	Pass
	822.5	1	0	22.81	<=50	Pass
			7	22.77	<=50	Pass
			14	22.74	<=50	Pass
		8	0	21.86	<=50	Pass
			4	21.76	<=50	Pass
			7	21.76	<=50	Pass
		15	0	21.87	<=50	Pass
16QAM	815.5	1	0	21.84	<=50	Pass
			7	22.80	<=50	Pass
			14	22.28	<=50	Pass
		8	0	21.08	<=50	Pass
			4	21.03	<=50	Pass
			7	20.95	<=50	Pass
		15	0	20.74	<=50	Pass
	819	1	0	22.27	<=50	Pass
			7	21.75	<=50	Pass
			14	22.20	<=50	Pass
		8	0	21.23	<=50	Pass
			4	20.90	<=50	Pass
			7	20.71	<=50	Pass
		15	0	20.88	<=50	Pass
	822.5	1	0	22.24	<=50	Pass
			7	22.21	<=50	Pass
			14	21.72	<=50	Pass
		8	0	21.09	<=50	Pass
			4	20.99	<=50	Pass
			7	20.78	<=50	Pass
		15	0	20.67	<=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	22.60	<=50	Pass
			13	22.78	<=50	Pass
			24	22.35	<=50	Pass
		12	0	21.75	<=50	Pass
			6	21.89	<=50	Pass
			13	21.76	<=50	Pass
		25	0	21.78	<=50	Pass
	819	1	0	22.49	<=50	Pass
			13	22.60	<=50	Pass
			24	22.51	<=50	Pass
		12	0	21.81	<=50	Pass
			6	21.86	<=50	Pass
			13	21.71	<=50	Pass
		25	0	21.83	<=50	Pass
	821.5	1	0	22.43	<=50	Pass
			13	22.40	<=50	Pass
			24	22.55	<=50	Pass
		12	0	21.61	<=50	Pass
			6	21.76	<=50	Pass
			13	21.73	<=50	Pass
		25	0	21.75	<=50	Pass
16QAM	816.5	1	0	21.40	<=50	Pass
			13	22.36	<=50	Pass
			24	21.08	<=50	Pass
		12	0	20.75	<=50	Pass
			6	20.76	<=50	Pass
			13	20.75	<=50	Pass
		25	0	20.76	<=50	Pass
	819	1	0	21.27	<=50	Pass
			13	21.86	<=50	Pass
			24	22.19	<=50	Pass
		12	0	20.78	<=50	Pass
			6	20.91	<=50	Pass
			13	20.62	<=50	Pass
		25	0	20.92	<=50	Pass
	821.5	1	0	21.47	<=50	Pass
			13	21.02	<=50	Pass
			24	21.54	<=50	Pass
		12	0	20.50	<=50	Pass
			6	20.60	<=50	Pass
			13	20.43	<=50	Pass
		25	0	20.61	<=50	Pass

1.1.4 B26a_10MHz

Band: 26a / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict
		Size	Offset	Result	Limit	
QPSK	819	1	0	22.67	<=50	Pass
			25	22.75	<=50	Pass
			49	22.69	<=50	Pass
		25	0	21.84	<=50	Pass
			13	21.75	<=50	Pass
			25	21.83	<=50	Pass
		50	0	21.71	<=50	Pass
16QAM	819	1	0	22.01	<=50	Pass
			25	21.77	<=50	Pass
			49	22.32	<=50	Pass
		25	0	20.82	<=50	Pass
			13	20.97	<=50	Pass
			25	20.58	<=50	Pass
		50	0	20.67	<=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	-1.149	-0.0014	-2.5 to 2.5	Pass
					3.85	-1.133	-0.0014	-2.5 to 2.5	Pass
					4.43	-1.528	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-2.109	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-2.036	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-1.343	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-2.462	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-2.393	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-1.848	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-2.438	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-2.169	-0.0026	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band26a_OBW

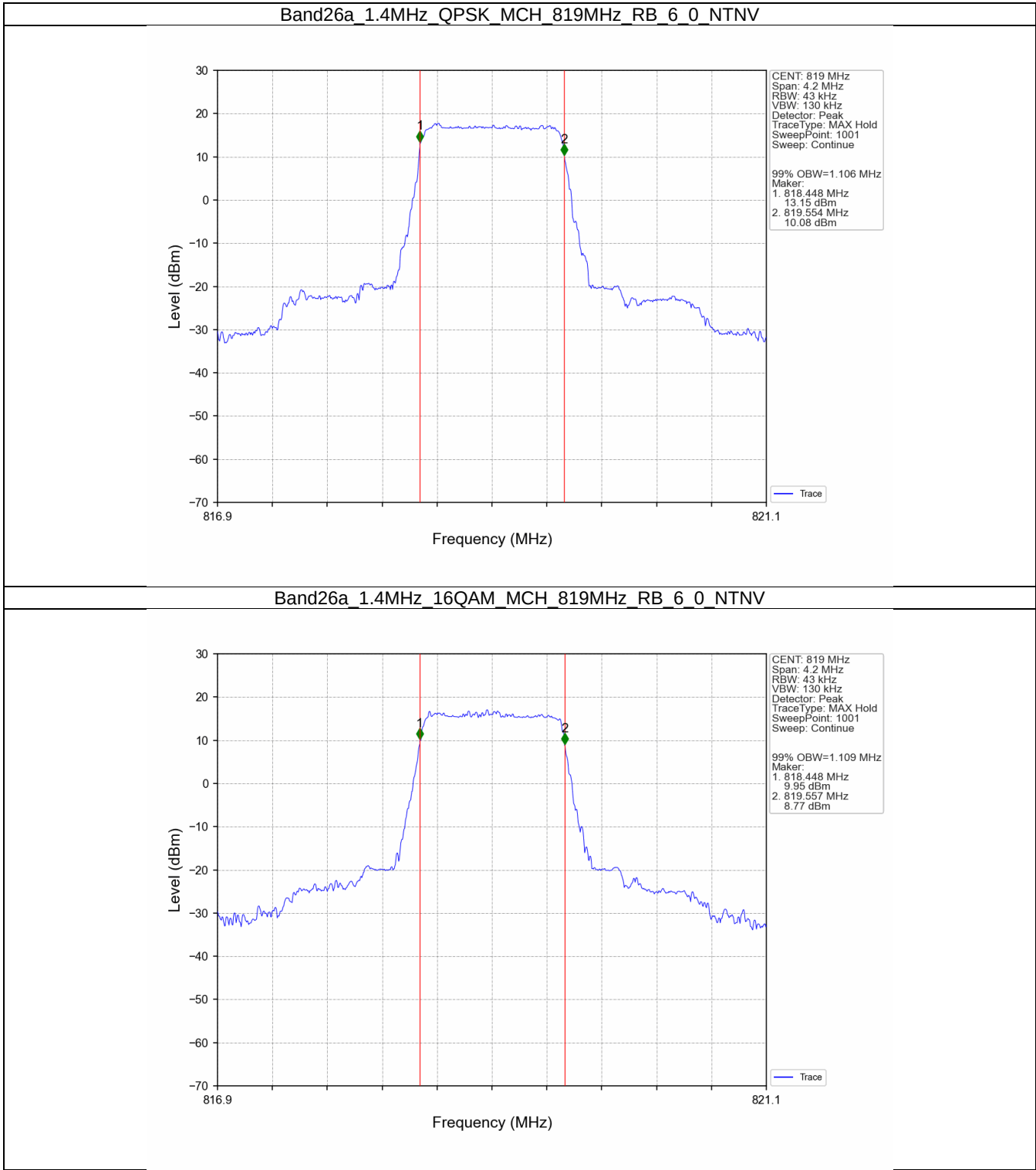
Band: 26a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	819	6	0	1.106	/	Pass
	16QAM	819	6	0	1.109	/	Pass
3	QPSK	819	15	0	2.745	/	Pass
	16QAM	819	15	0	2.744	/	Pass
5	QPSK	819	25	0	4.570	/	Pass
	16QAM	819	25	0	4.563	/	Pass
10	QPSK	819	50	0	9.035	/	Pass
	16QAM	819	50	0	9.011	/	Pass

3.1.2 Band26a_XDB

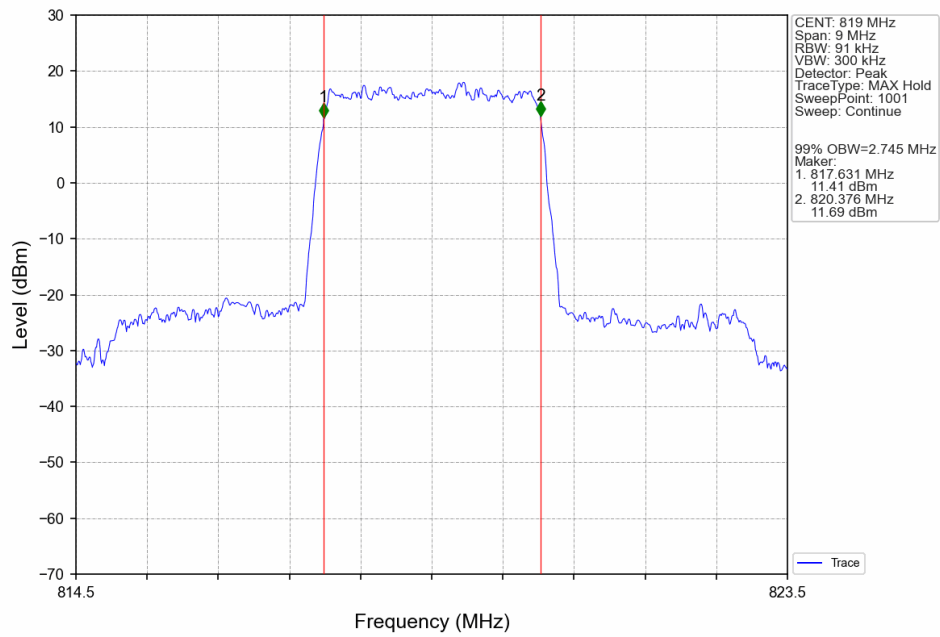
Band: 26a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	819	6	0	1.323	/	Pass
	16QAM	819	6	0	1.323	/	Pass
3	QPSK	819	15	0	3.044	/	Pass
	16QAM	819	15	0	3.063	/	Pass
5	QPSK	819	25	0	5.074	/	Pass
	16QAM	819	25	0	5.100	/	Pass
10	QPSK	819	50	0	10.032	/	Pass
	16QAM	819	50	0	10.017	/	Pass

3.2 Test Graph

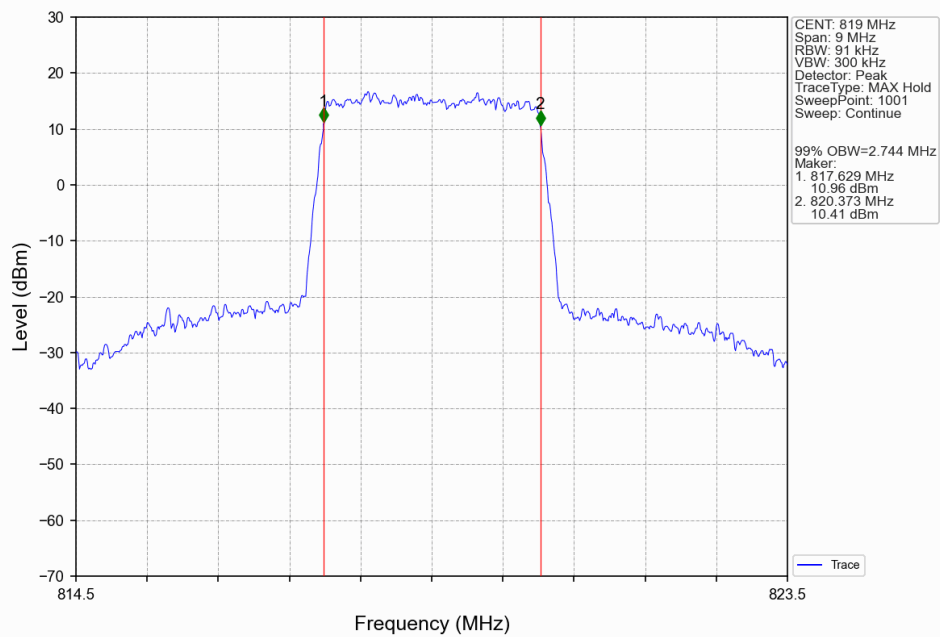
3.2.1 Band26a_OBW



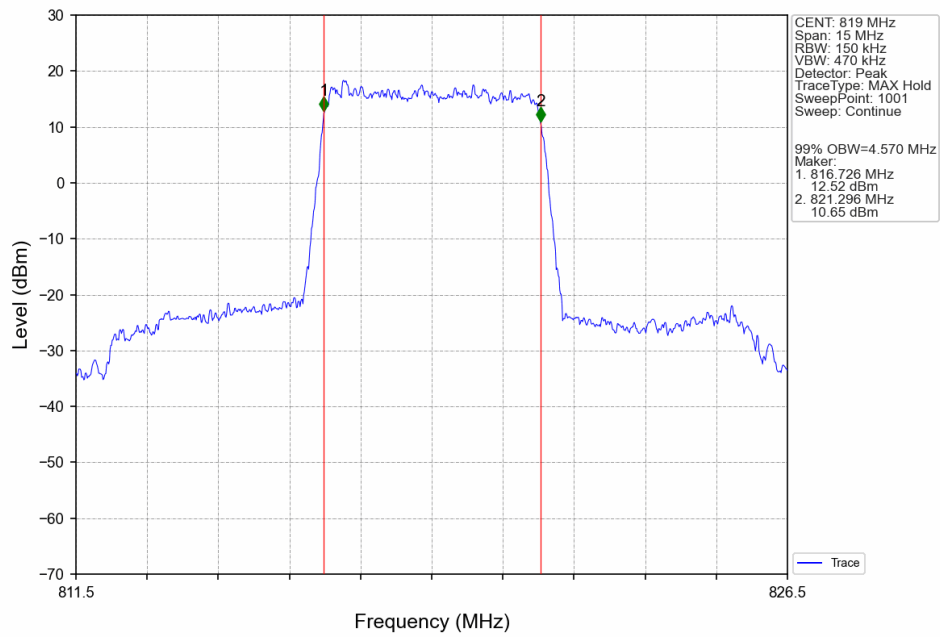
Band26a 3MHz QPSK MCH 819MHz RB 15 0 NTNV



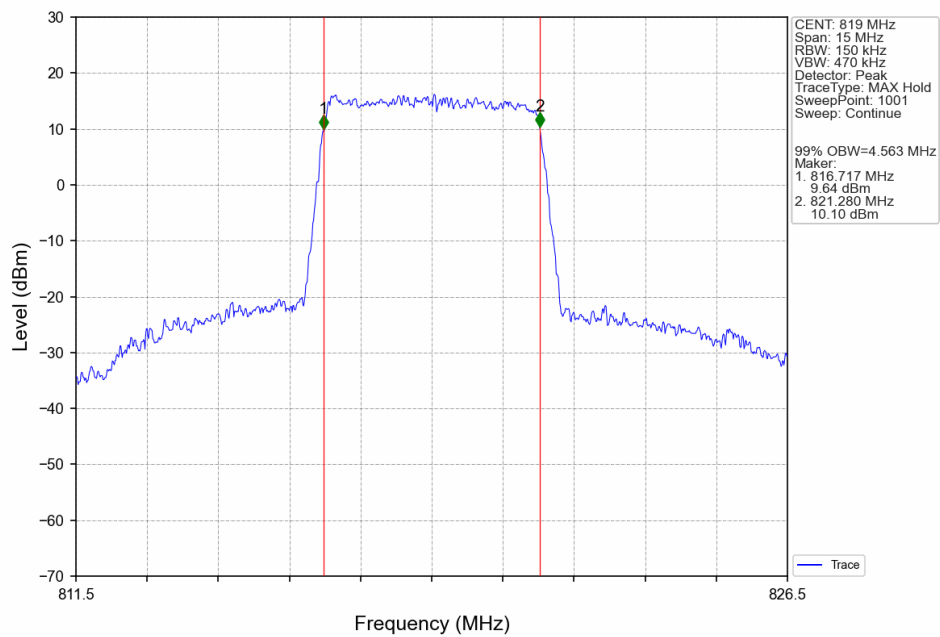
Band26a 3MHz 16QAM MCH 819MHz RB 15 0 NTNV



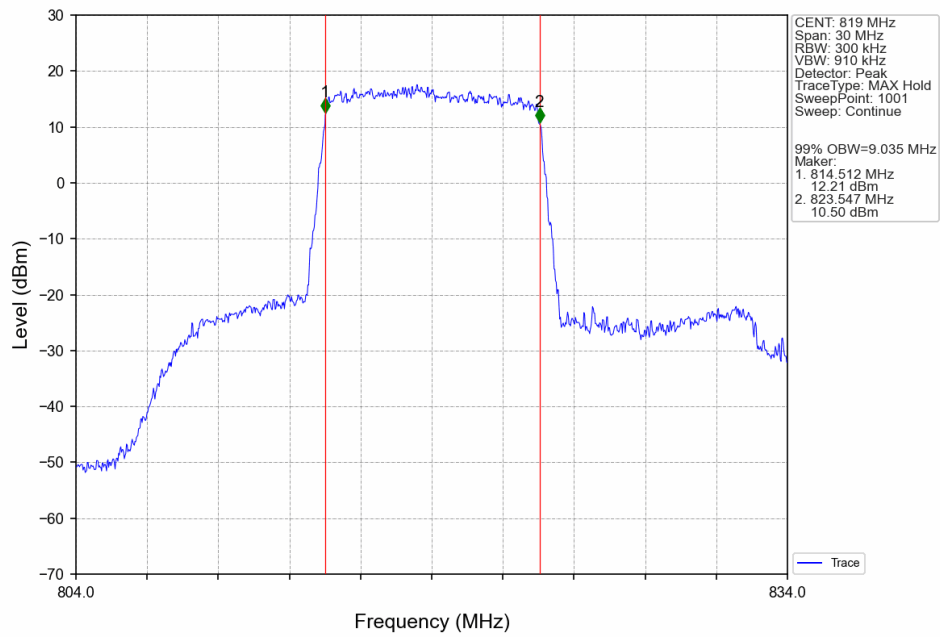
Band26a 5MHz QPSK MCH 819MHz RB 25 0 NTN



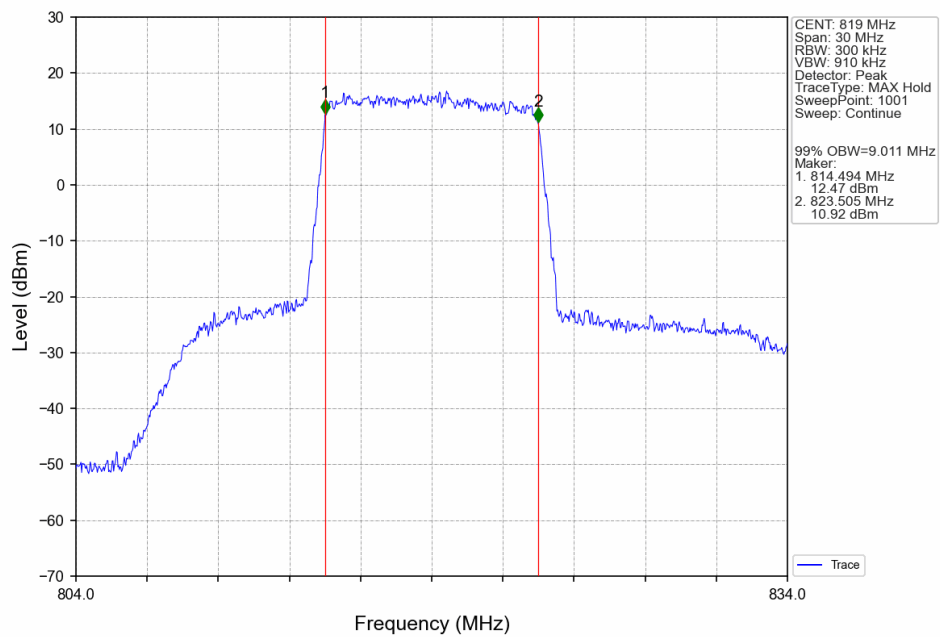
Band26a 5MHz 16QAM MCH 819MHz RB 25 0 NTN



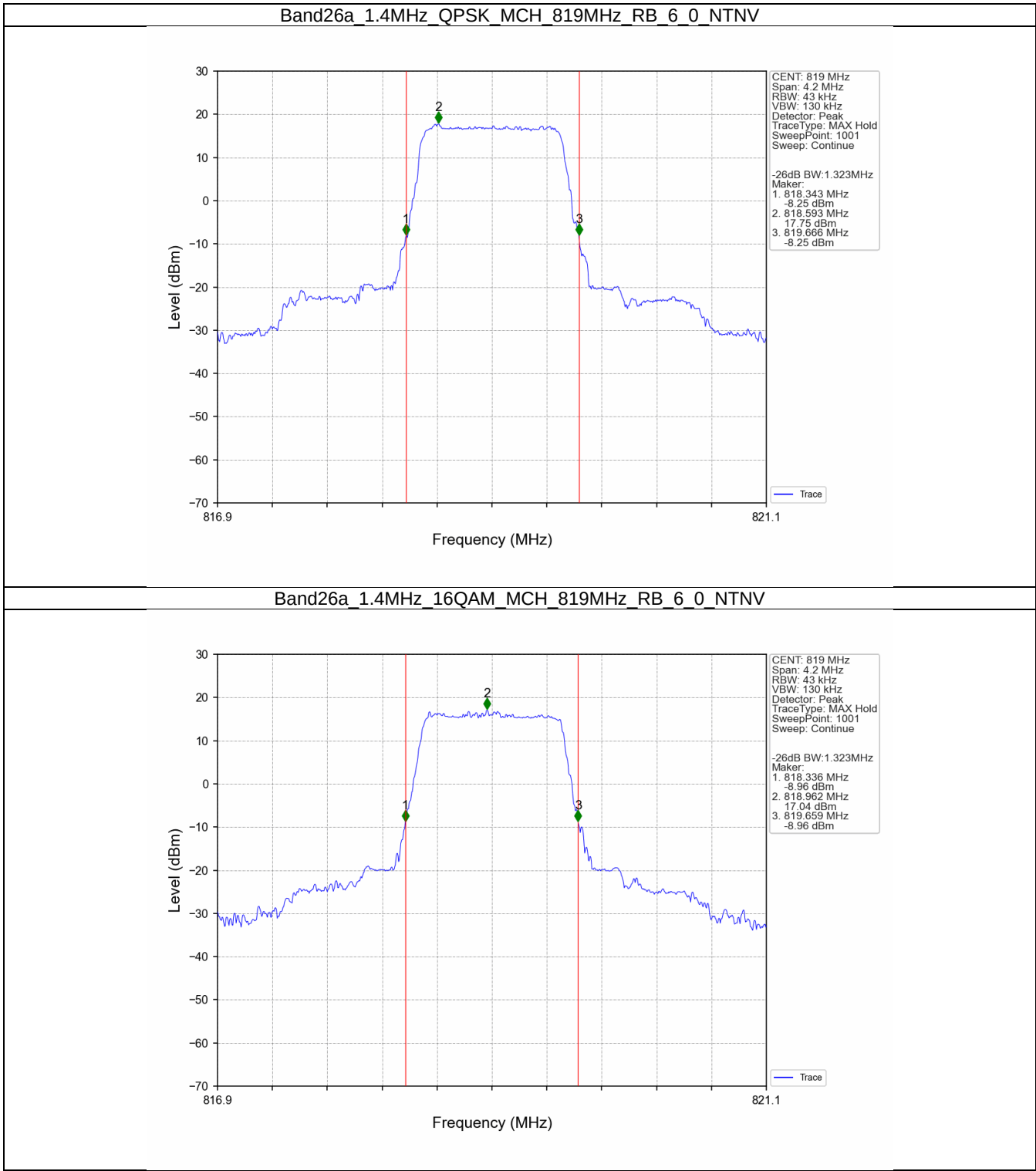
Band26a 10MHz QPSK MCH 819MHz RB 50 0 NTNV



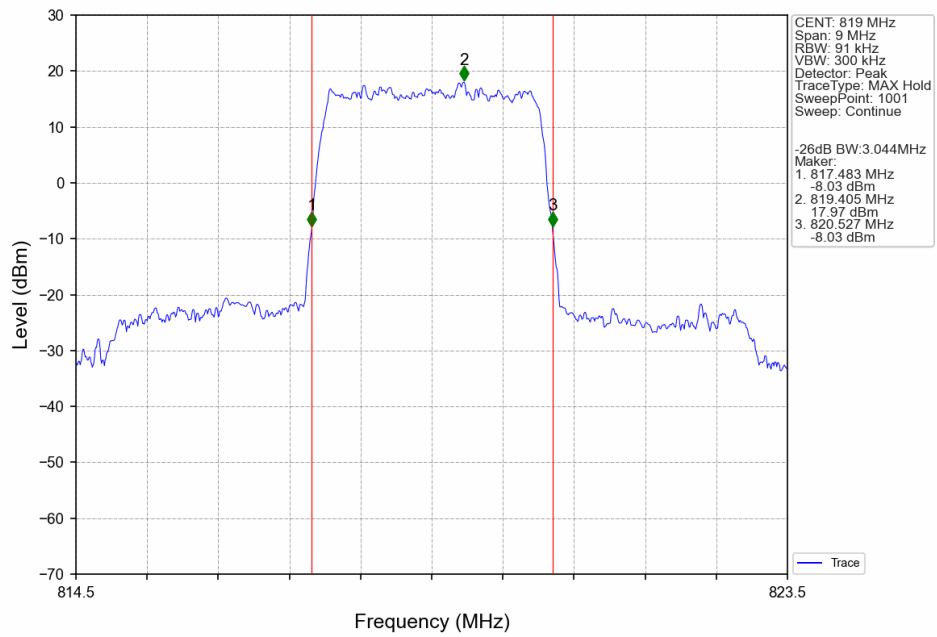
Band26a 10MHz 16QAM MCH 819MHz RB 50 0 NTNV



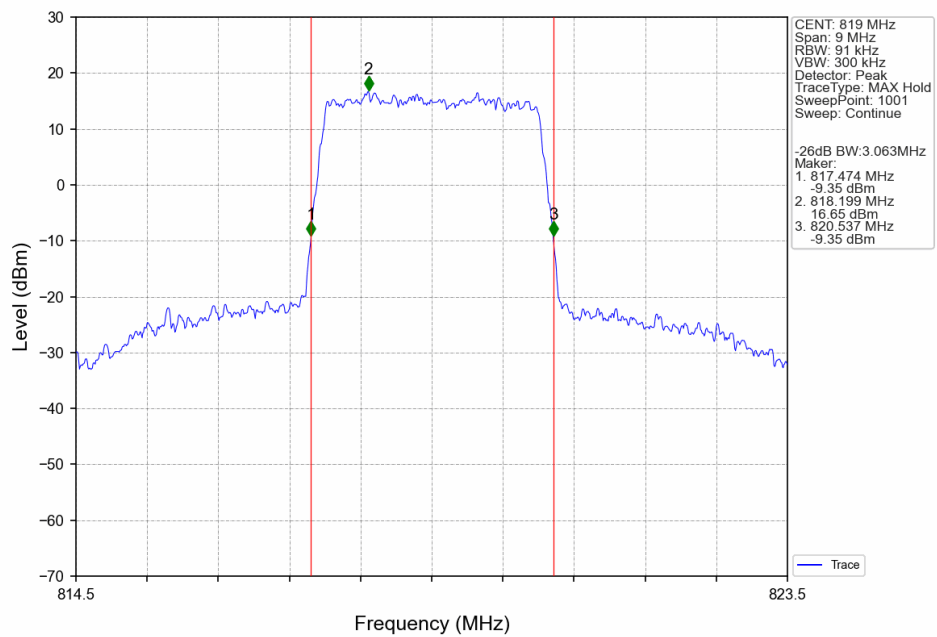
3.2.2 Band26a_XDB



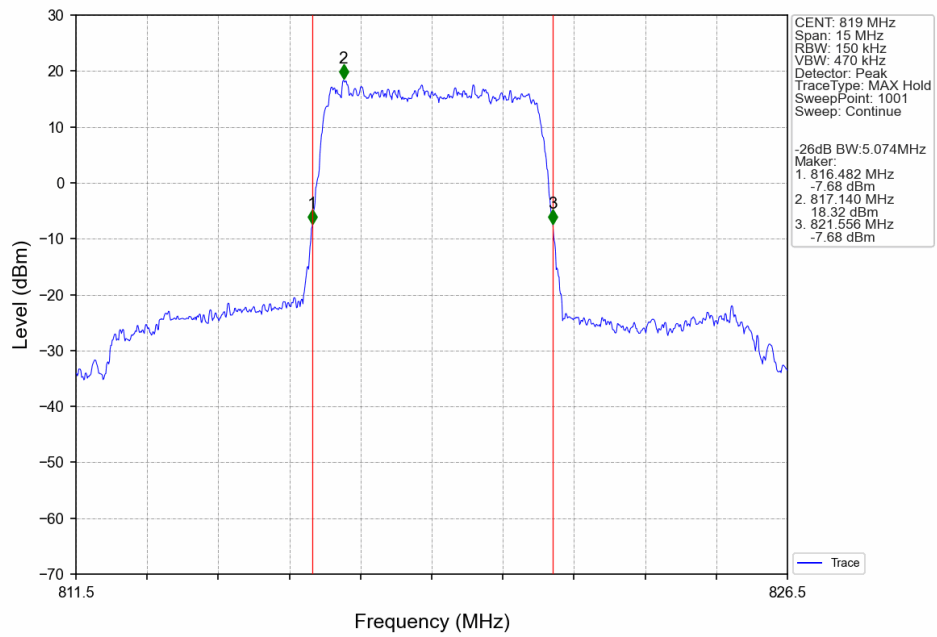
Band26a 3MHz QPSK MCH 819MHz RB 15 0 NTNV



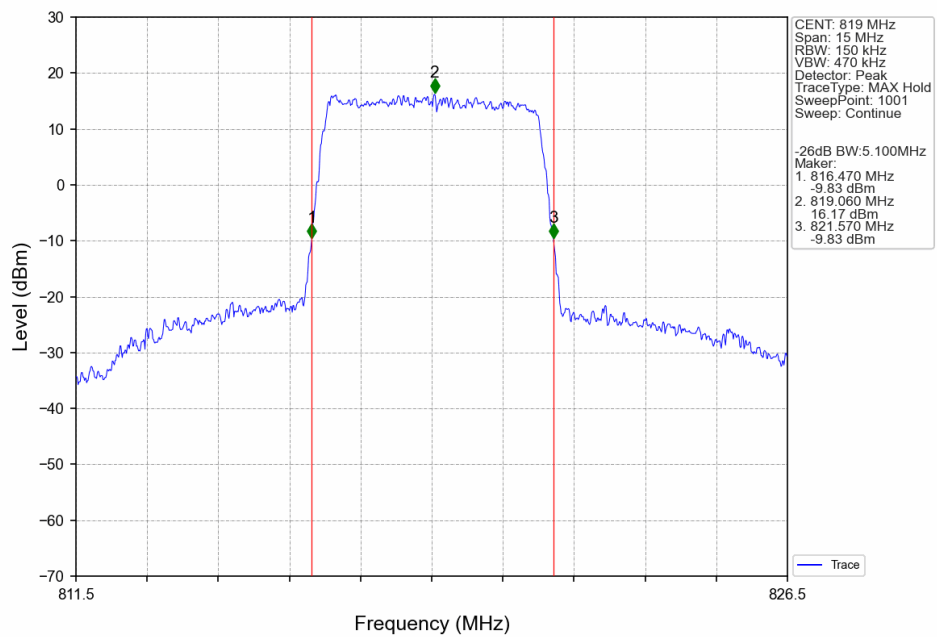
Band26a 3MHz 16QAM MCH 819MHz RB 15 0 NTNV



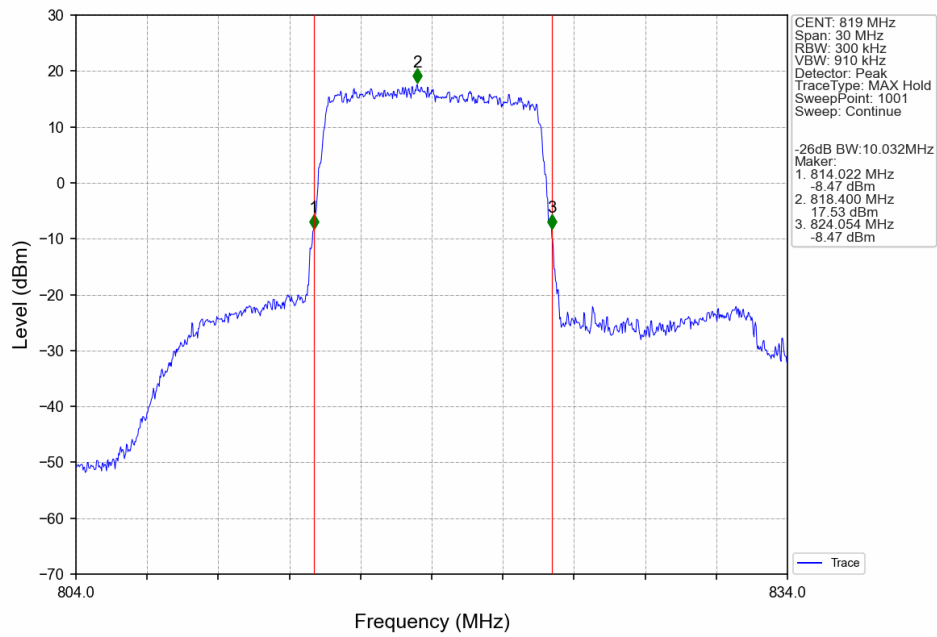
Band26a 5MHz QPSK MCH 819MHz RB 25 0 NTNV



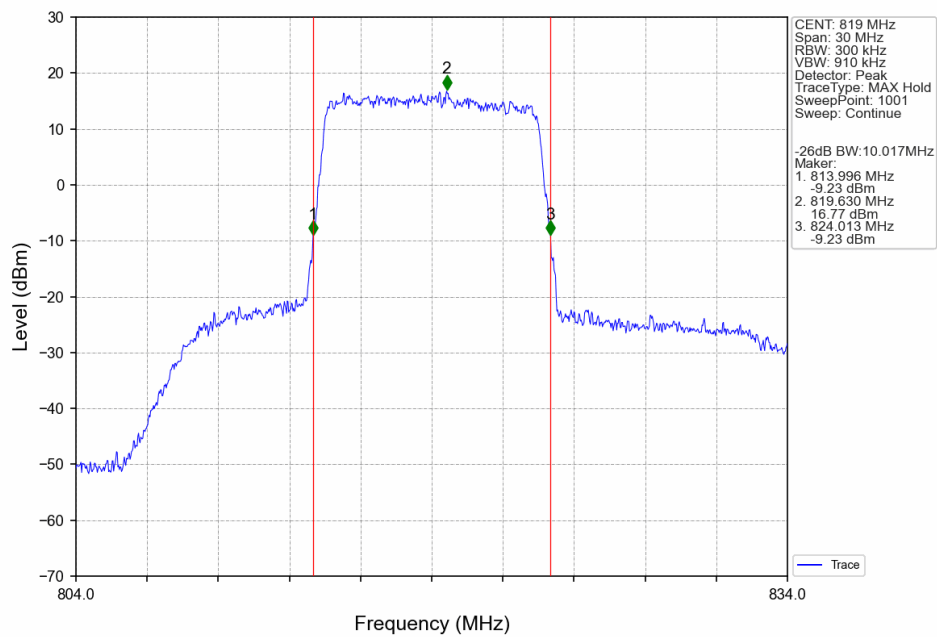
Band26a 5MHz 16QAM MCH 819MHz RB 25 0 NTNV



Band26a 10MHz QPSK MCH 819MHz RB 50 0 NTNV



Band26a 10MHz 16QAM MCH 819MHz RB 50 0 NTNV



4. Peak-Average Ratio

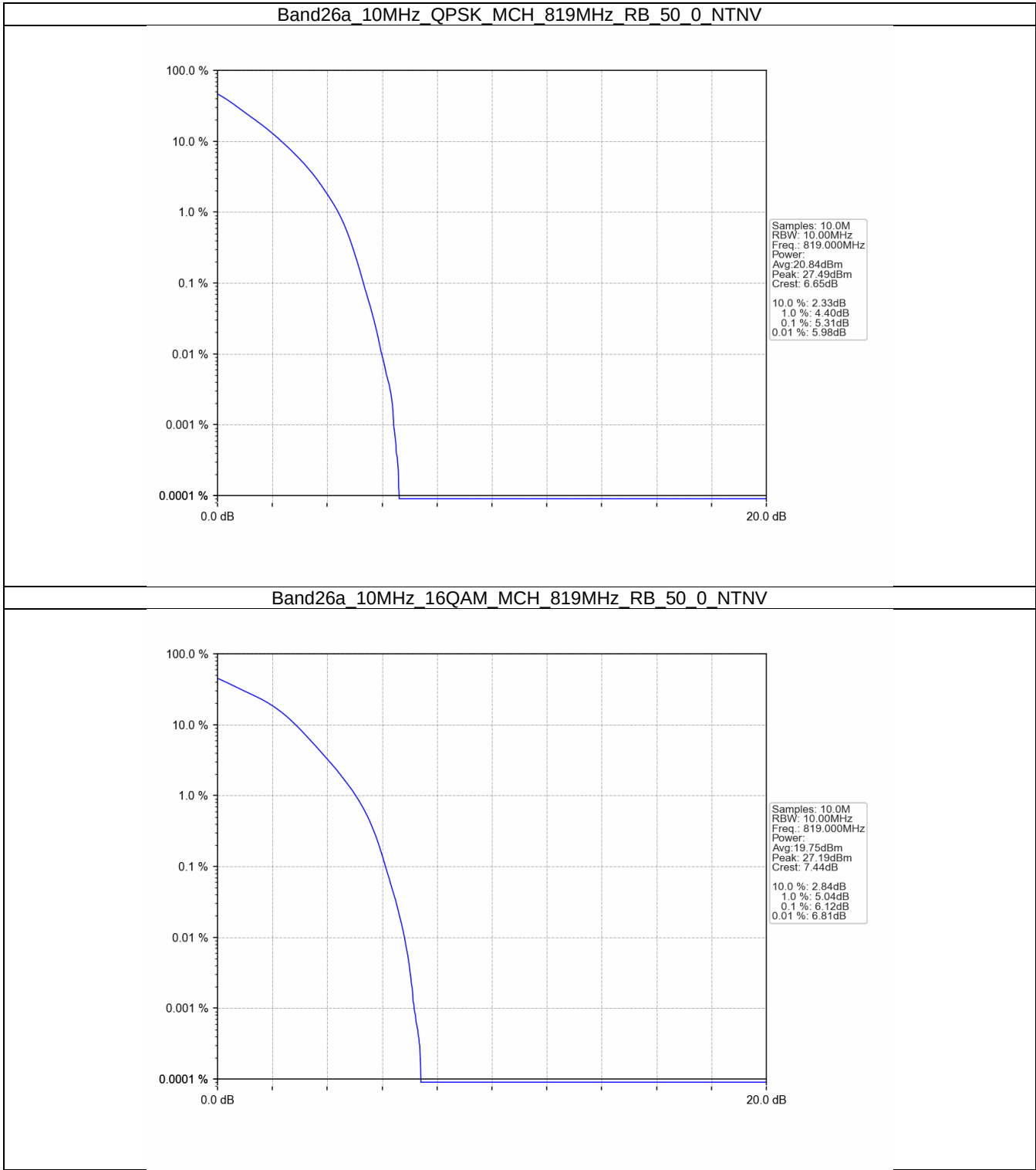
4.1 Test Result

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	5.31	<=13	Pass
16QAM	819	50	0	6.12	<=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 / NTN						
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 / NTN						
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

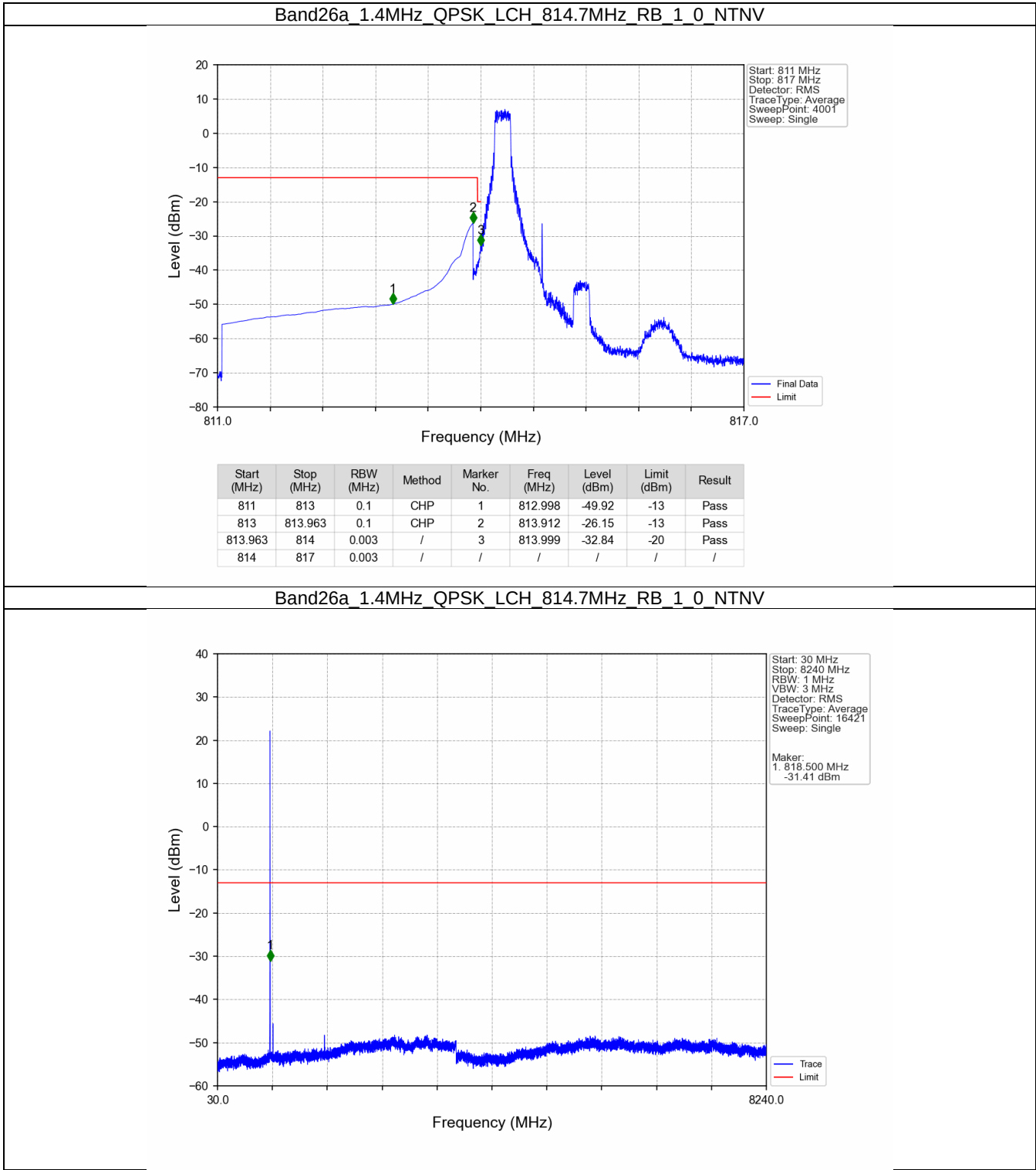
Band: 26a / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
	821.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B26a_10MHz

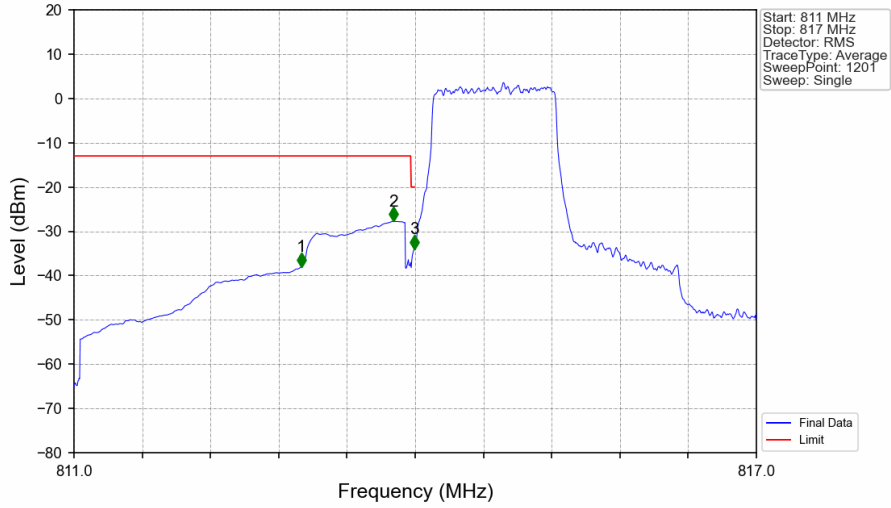
Band: 26a / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	819	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	819	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.2 Test Graph

5.2.1 B26a_1.4MHz

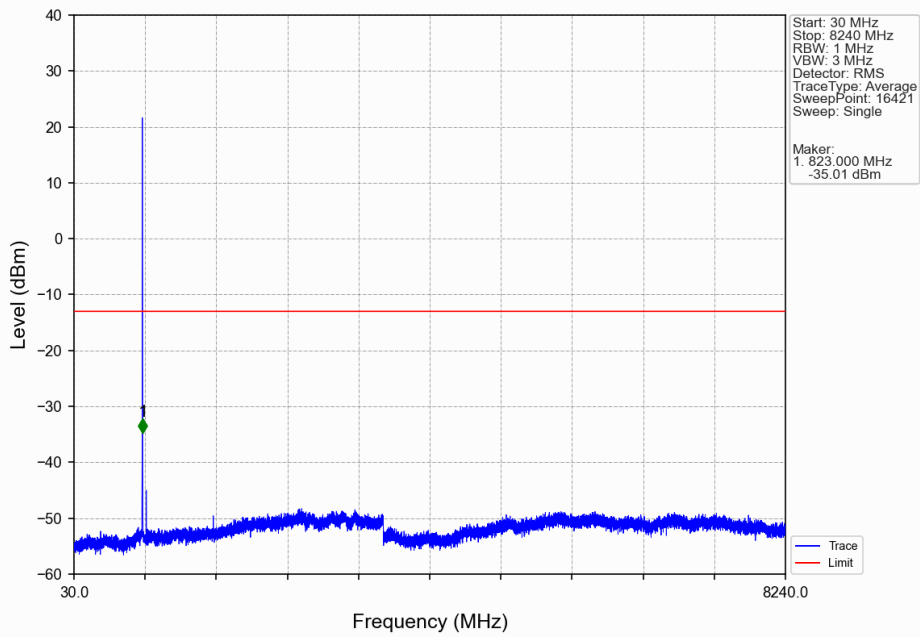


Band26a 1.4MHz QPSK LCH 814.7MHz RB 6 0 NTNV

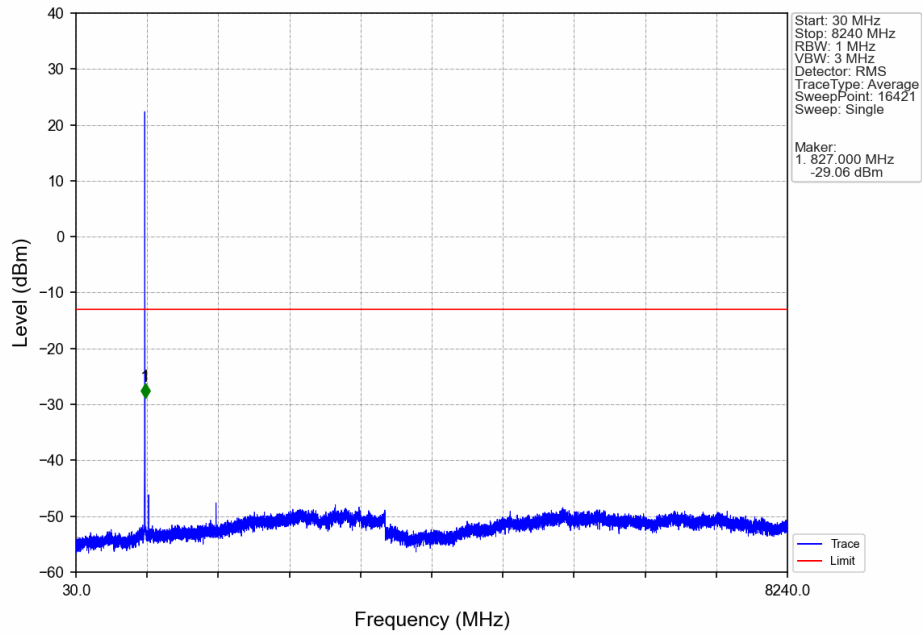


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	813.000	-37.96	-13	Pass
813	813.963	0.1	CHP	2	813.810	-27.74	-13	Pass
813.963	814	0.013	CHP	3	813.995	-33.95	-20	Pass
814	817	0.013	CHP	/	/	/	/	/

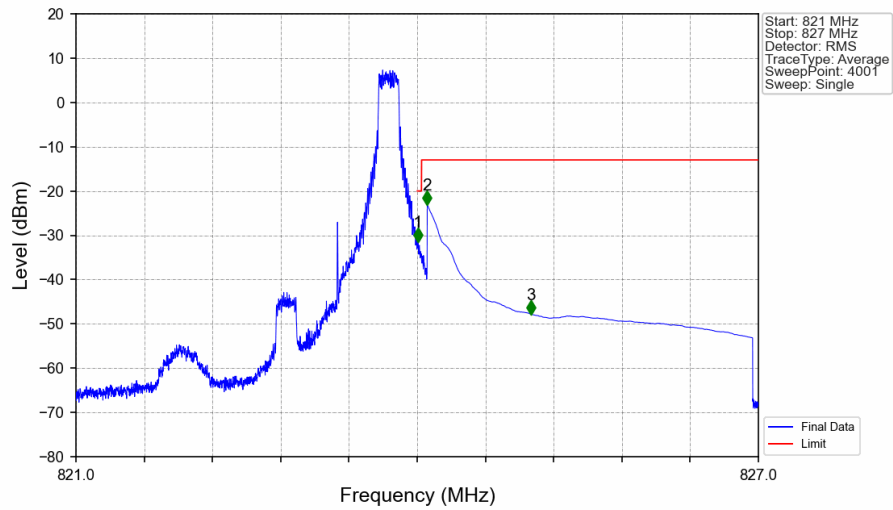
Band26a 1.4MHz QPSK MCH 819MHz RB 1 0 NTNV



Band26a 1.4MHz QPSK HCH 823.3MHz RB 1 0 NTNV

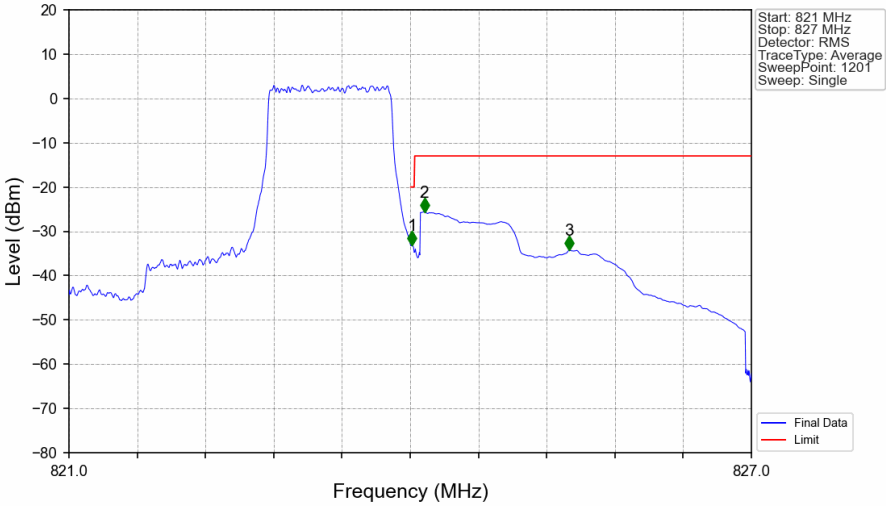


Band26a 1.4MHz QPSK HCH 823.3MHz RB 1 5 NTNV



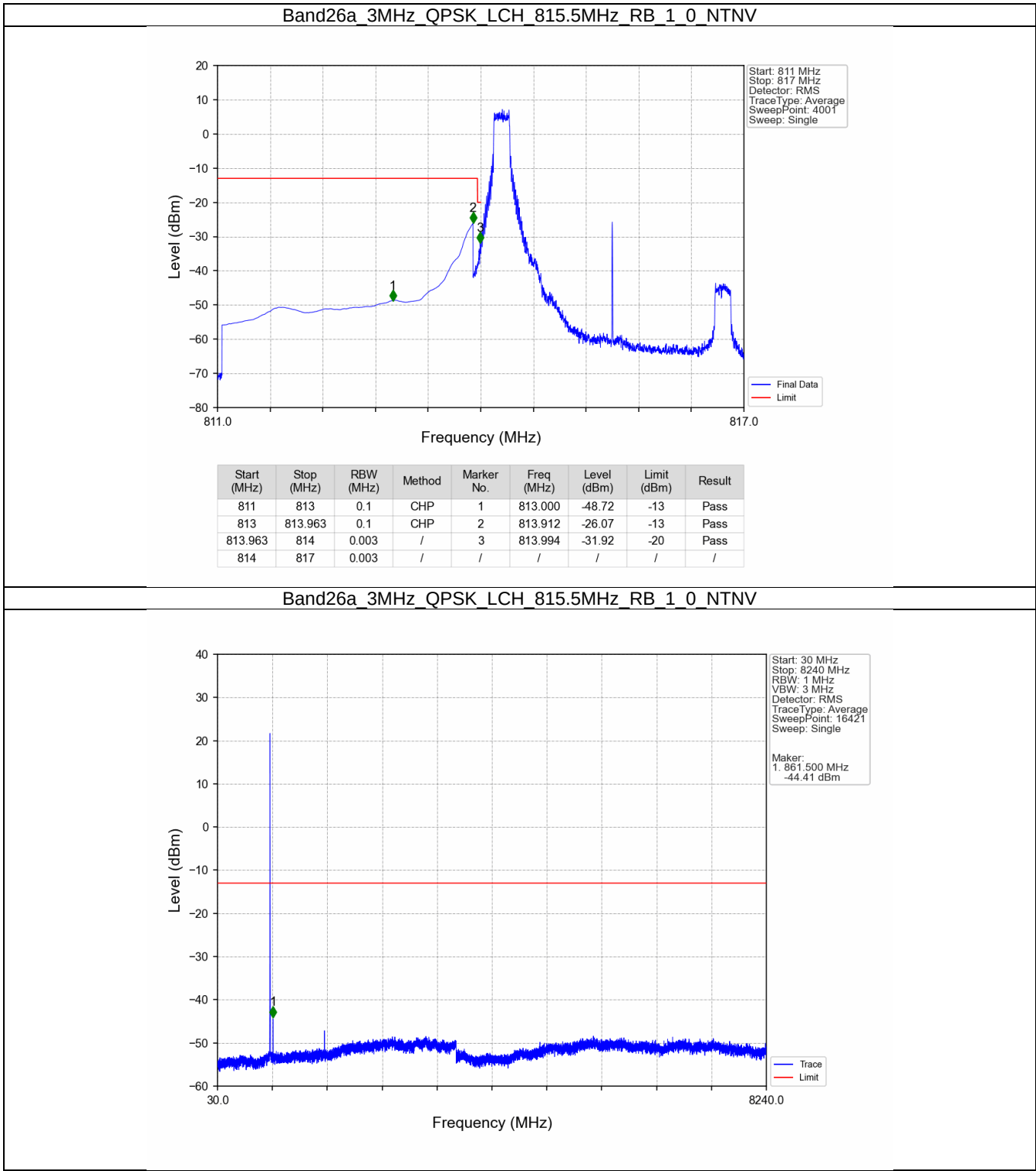
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.008	-31.57	-20	Pass
824.038	825	0.1	CHP	2	824.088	-23.05	-13	Pass
825	827	0.1	CHP	3	825.000	-47.81	-13	Pass

Band26a 1.4MHz QPSK HCH 823.3MHz RB 6 0 NTN

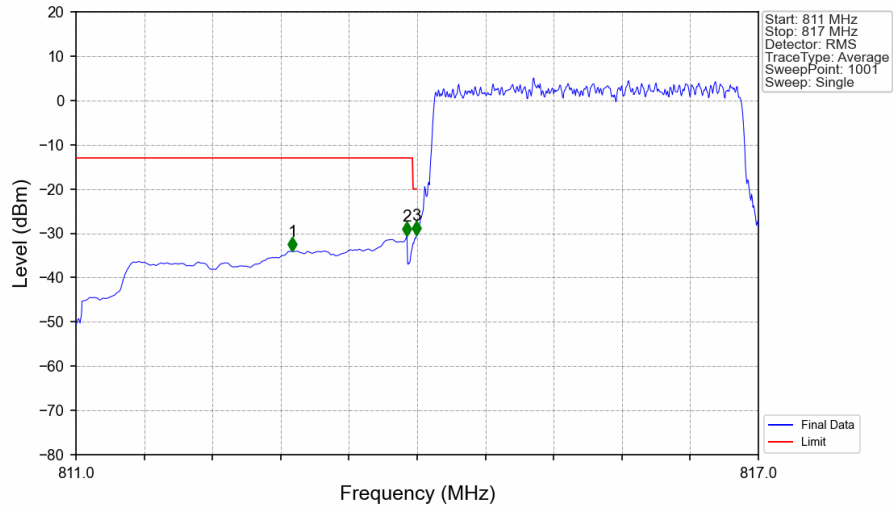


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.013	CHP	/	/	/	/	/
824	824.038	0.013	CHP	1	824.015	-33.09	-20	Pass
824.038	825	0.1	CHP	2	824.125	-25.62	-13	Pass
825	827	0.1	CHP	3	825.400	-34.28	-13	Pass

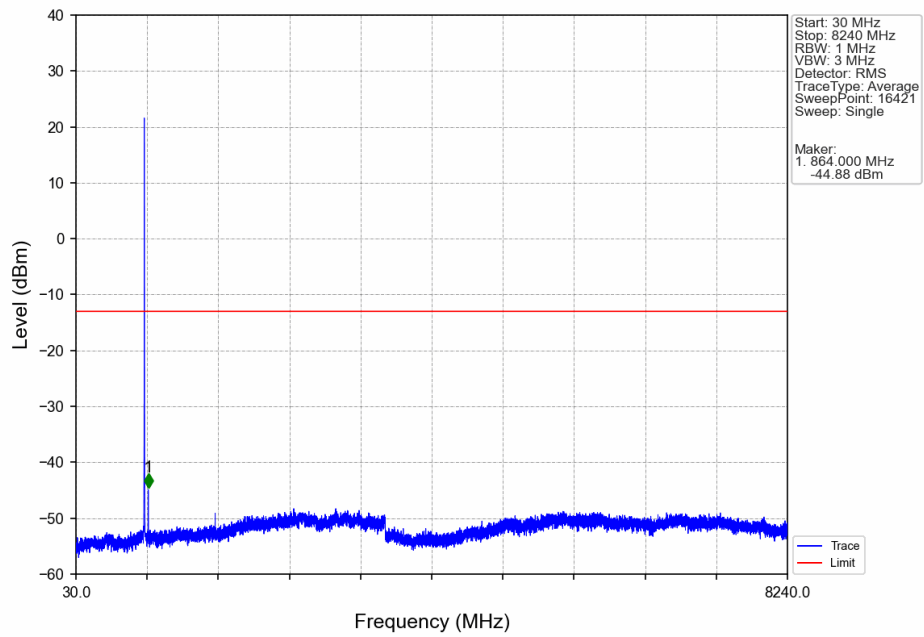
5.2.2 B26a_3MHz



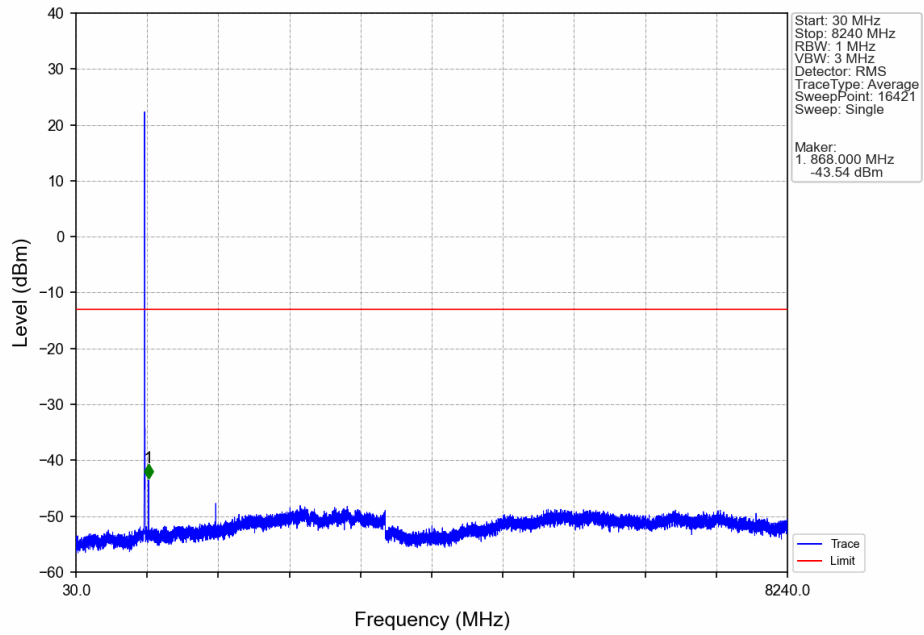
Band26a 3MHz QPSK LCH 815.5MHz RB 15 0 NTNV



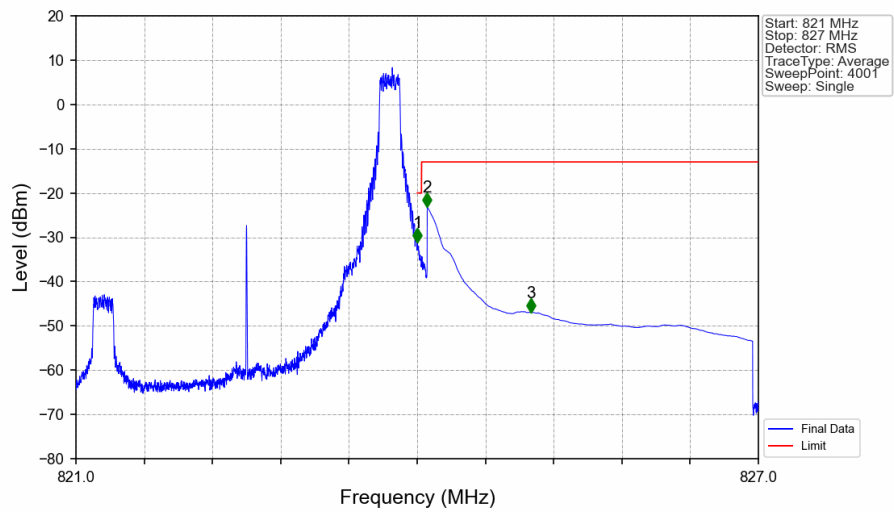
Band26a 3MHz QPSK MCH 819MHz RB 1 0 NTNV



Band26a 3MHz QPSK HCH 822.5MHz RB 1 0 NTNV

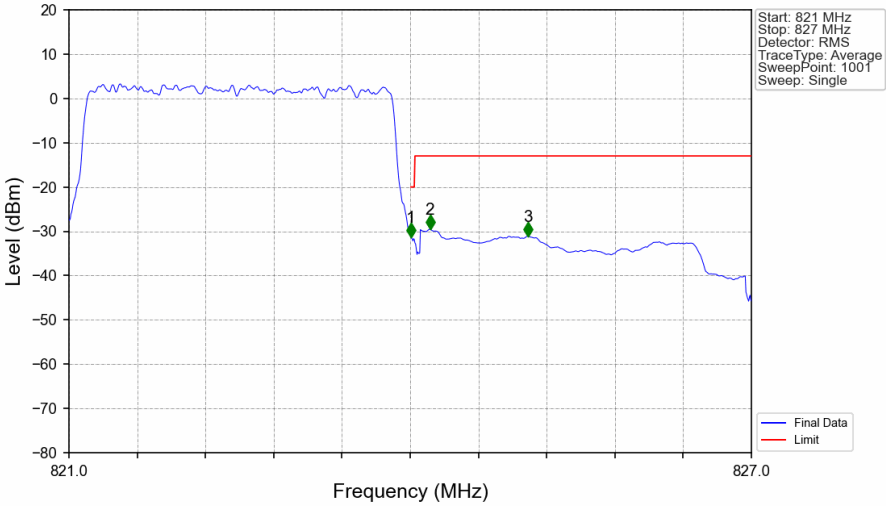


Band26a 3MHz QPSK HCH 822.5MHz RB 1 14 NTNV



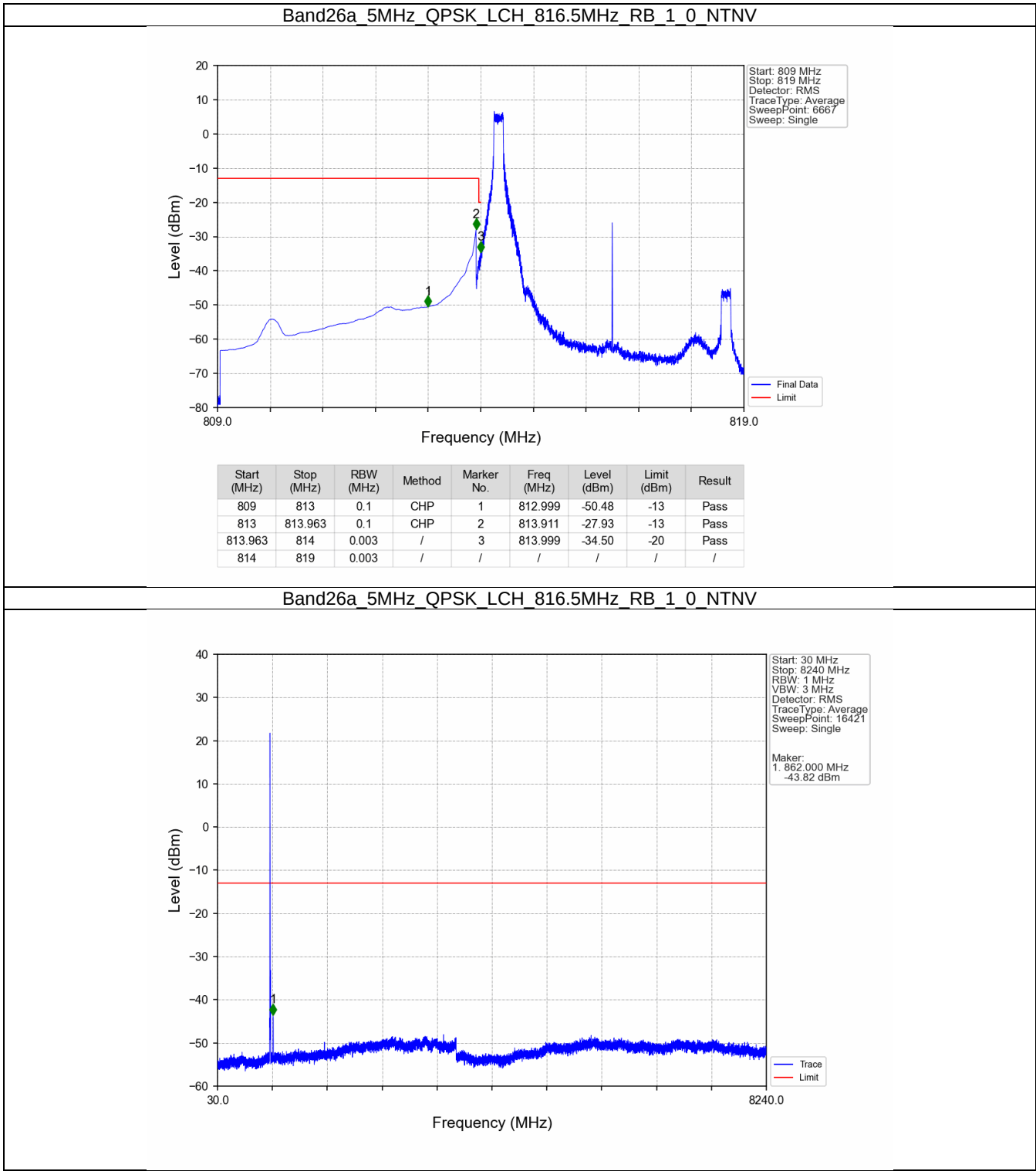
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.001	-31.19	-20	Pass
824.038	825	0.1	CHP	2	824.088	-23.03	-13	Pass
825	827	0.1	CHP	3	825.000	-46.90	-13	Pass

Band26a 3MHz QPSK HCH 822.5MHz RB 15 0 NTV

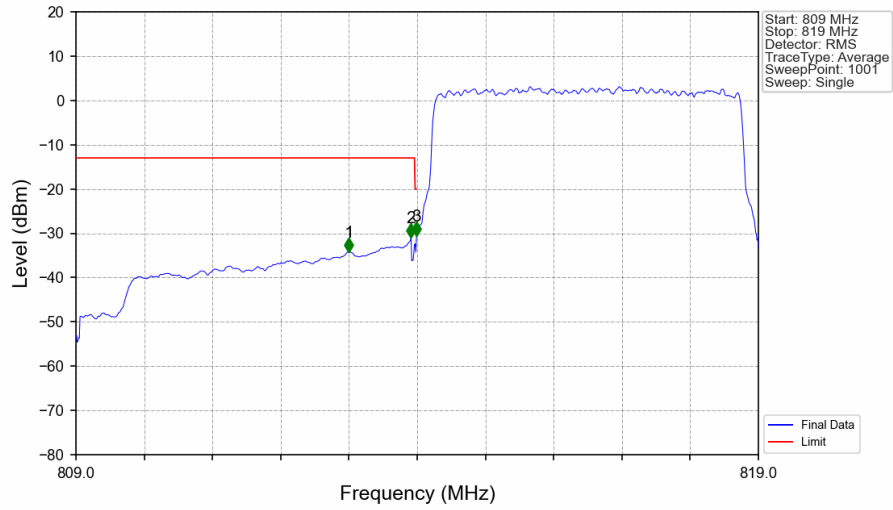


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.031	CHP	/	/	/	/	/
824	824.038	0.031	CHP	1	824.006	-31.37	-20	Pass
824.038	825	0.1	CHP	2	824.174	-29.53	-13	Pass
825	827	0.1	CHP	3	825.032	-31.10	-13	Pass

5.2.3 B26a_5MHz

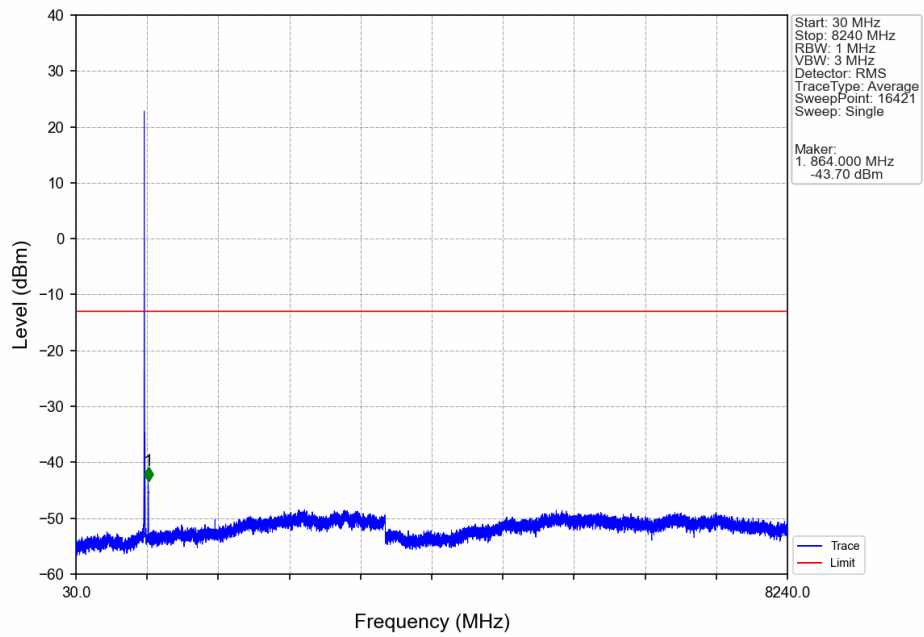


Band26a 5MHz QPSK LCH 816.5MHz RB 25 0 NTNV

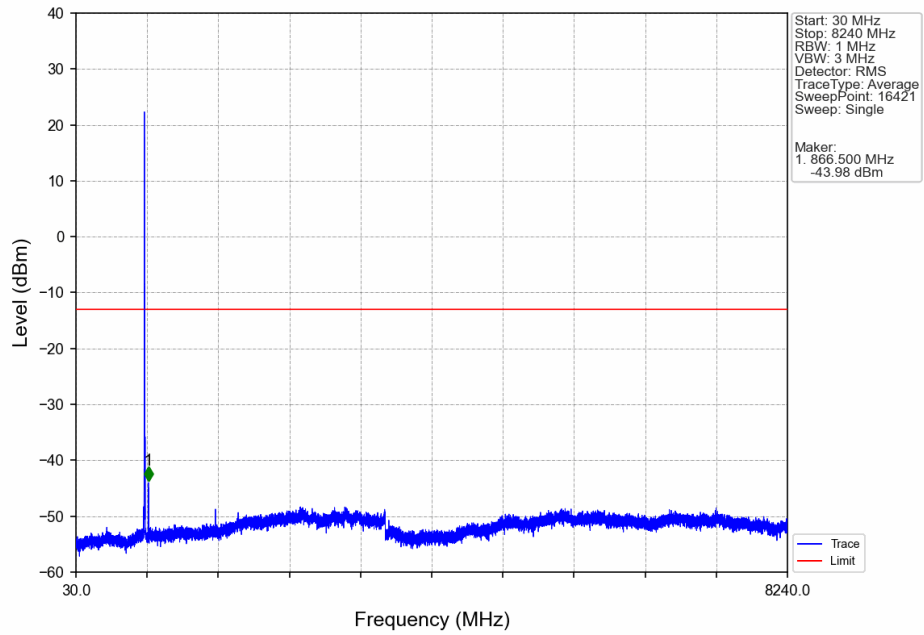


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	813.000	-34.22	-13	Pass
813	813.963	0.1	CHP	2	813.910	-31.03	-13	Pass
813.963	814	0.051	CHP	3	813.990	-30.66	-20	Pass
814	819	0.051	CHP	/	/	/	/	/

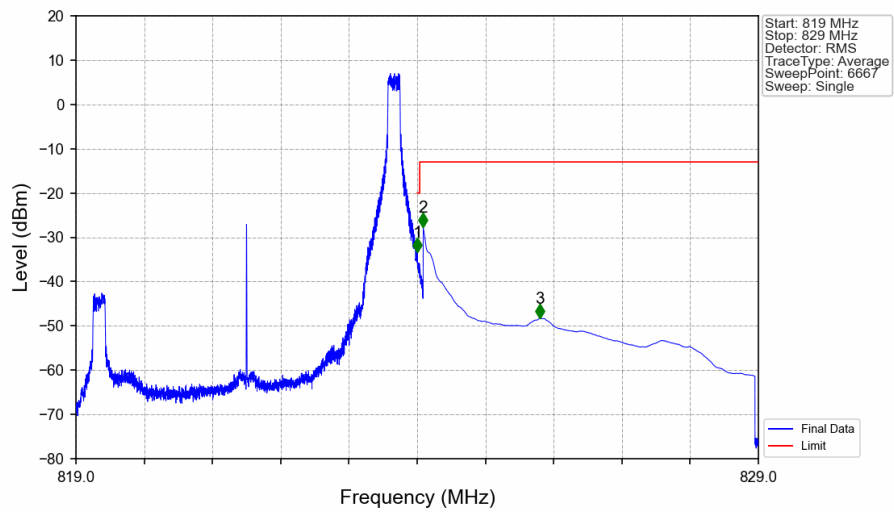
Band26a 5MHz QPSK MCH 819MHz RB 1 0 NTNV



Band26a 5MHz QPSK HCH 821.5MHz RB 1 0 NTNV

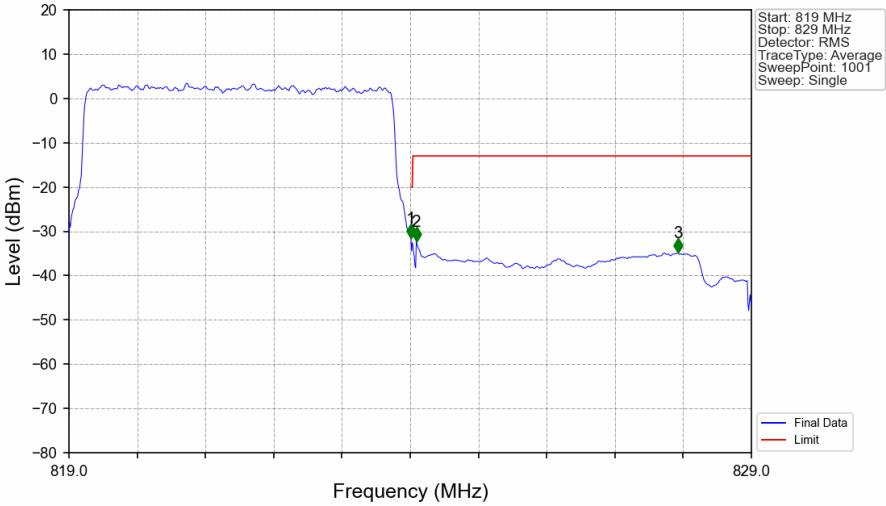


Band26a 5MHz QPSK HCH 821.5MHz RB 1 24 NTNV



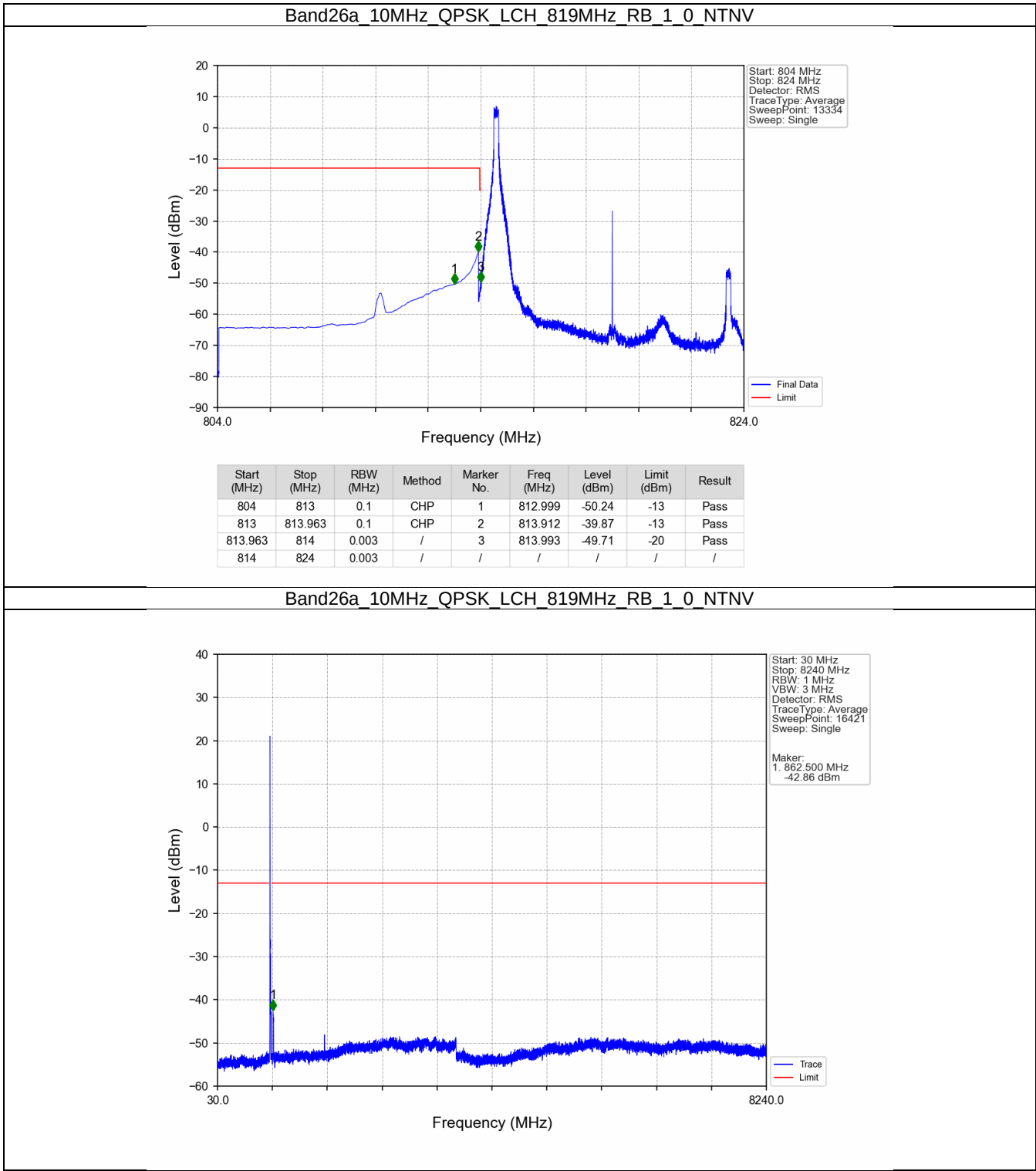
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.001	-33.25	-20	Pass
824.038	825	0.1	CHP	2	824.089	-27.59	-13	Pass
825	829	0.1	CHP	3	825.794	-48.25	-13	Pass

Band26a 5MHz QPSK HCH 821.5MHz RB 25 0 NTV

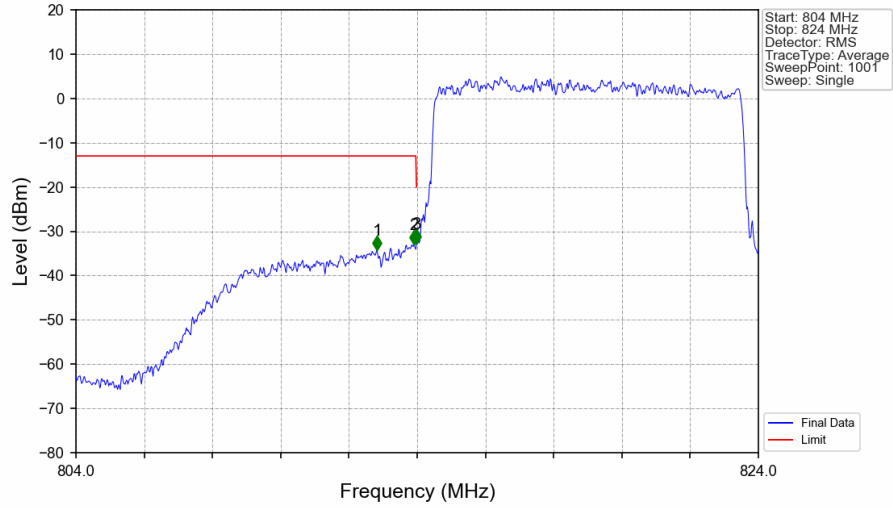


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.051	CHP	/	/	/	/	/
824	824.038	0.051	CHP	1	824.010	-31.49	-20	Pass
824.038	825	0.1	CHP	2	824.090	-32.28	-13	Pass
825	829	0.1	CHP	3	827.920	-34.84	-13	Pass

5.2.4 B26a_10MHz

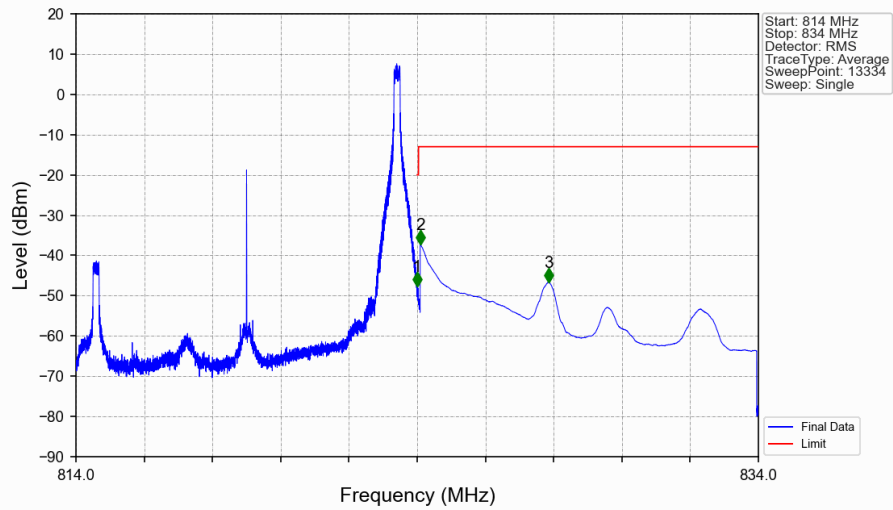


Band26a 10MHz QPSK LCH 819MHz RB 50 0 NTV



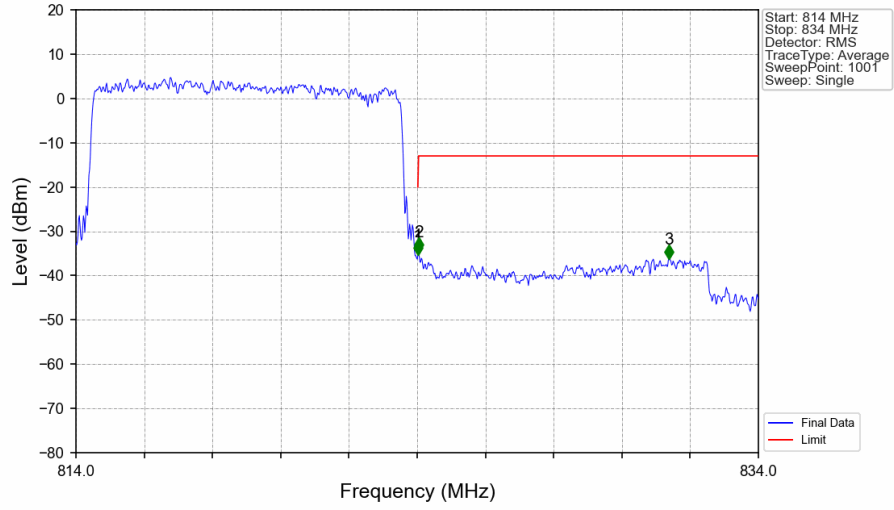
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
804	813	0.1	/	1	812.820	-34.17	-13	Pass
813	813.963	0.1	/	2	813.900	-32.96	-13	Pass
813.963	814	0.1	/	3	813.980	-32.81	-20	Pass
814	824	0.1	/	/	/	/	/	/

Band26a 10MHz QPSK HCH 819MHz RB 1 49 NTV



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	-47.71	-20	Pass
824.038	825	0.1	CHP	2	824.088	-37.18	-13	Pass
825	834	0.1	CHP	3	827.850	-46.62	-13	Pass

Band26a 10MHz QPSK HCH 819MHz RB 50 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	/	/	/	/	/
824	824.038	0.1	/	1	824.020	-35.32	-20	Pass
824.038	825	0.1	/	2	824.040	-34.56	-13	Pass
825	834	0.1	/	3	831.380	-36.16	-13	Pass