

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

Band: 5 / 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	24.28	-2.34	19.79	<=38.45	Pass
			5	24.38	-2.34	19.89	<=38.45	Pass
		6	0	23.79	-2.34	19.30	<=38.45	Pass
	836.5	1	0	24.20	-2.34	19.71	<=38.45	Pass
			5	24.39	-2.34	19.90	<=38.45	Pass
		6	0	23.67	-2.34	19.18	<=38.45	Pass
	848.3	1	0	24.48	-2.34	19.99	<=38.45	Pass
			5	24.27	-2.34	19.78	<=38.45	Pass
		6	0	23.91	-2.34	19.42	<=38.45	Pass
16QAM	824.7	1	0	22.96	-2.34	18.47	<=38.45	Pass
			5	23.03	-2.34	18.54	<=38.45	Pass
		6	0	22.85	-2.34	18.36	<=38.45	Pass
	836.5	1	0	23.26	-2.34	18.77	<=38.45	Pass
			5	23.07	-2.34	18.58	<=38.45	Pass
		6	0	22.75	-2.34	18.26	<=38.45	Pass
	848.3	1	0	23.09	-2.34	18.60	<=38.45	Pass
			5	23.30	-2.34	18.81	<=38.45	Pass
		6	0	22.93	-2.34	18.44	<=38.45	Pass
64QAM	824.7	1	0	22.94	-2.34	18.45	<=38.45	Pass
			5	22.90	-2.34	18.41	<=38.45	Pass
		6	0	22.82	-2.34	18.33	<=38.45	Pass
	836.5	1	0	22.74	-2.34	18.25	<=38.45	Pass
			5	22.72	-2.34	18.23	<=38.45	Pass
		6	0	22.79	-2.34	18.30	<=38.45	Pass
	848.3	1	0	22.92	-2.34	18.43	<=38.45	Pass
			5	23.02	-2.34	18.53	<=38.45	Pass
		6	0	22.86	-2.34	18.37	<=38.45	Pass
256QAM	824.7	1	0	20.88	-2.34	16.39	<=38.45	Pass
			5	20.98	-2.34	16.49	<=38.45	Pass
		6	0	20.79	-2.34	16.30	<=38.45	Pass
	836.5	1	0	20.77	-2.34	16.28	<=38.45	Pass
			5	20.72	-2.34	16.23	<=38.45	Pass
		6	0	20.67	-2.34	16.18	<=38.45	Pass
	848.3	1	0	20.37	-2.34	15.88	<=38.45	Pass
			5	20.06	-2.34	15.57	<=38.45	Pass
		6	0	20.21	-2.34	15.72	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B5_3MHz_ERP

Band: 5 / 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	24.30	-2.34	19.81	<=38.45	Pass
			14	24.26	-2.34	19.77	<=38.45	Pass
		15	0	23.91	-2.34	19.42	<=38.45	Pass
	836.5	1	0	24.26	-2.34	19.77	<=38.45	Pass

	847.5		14	24.33	-2.34	19.84	<=38.45	Pass
		15	0	23.74	-2.34	19.25	<=38.45	Pass
		1	0	24.48	-2.34	19.99	<=38.45	Pass
			14	24.32	-2.34	19.83	<=38.45	Pass
		15	0	23.97	-2.34	19.48	<=38.45	Pass
16QAM	825.5	1	0	23.61	-2.34	19.12	<=38.45	Pass
			14	23.75	-2.34	19.26	<=38.45	Pass
		15	0	22.84	-2.34	18.35	<=38.45	Pass
	836.5	1	0	23.43	-2.34	18.94	<=38.45	Pass
			14	23.68	-2.34	19.19	<=38.45	Pass
		15	0	22.80	-2.34	18.31	<=38.45	Pass
	847.5	1	0	23.67	-2.34	19.18	<=38.45	Pass
			14	23.60	-2.34	19.11	<=38.45	Pass
		15	0	22.93	-2.34	18.44	<=38.45	Pass
64QAM	825.5	1	0	23.53	-2.34	19.04	<=38.45	Pass
			14	23.40	-2.34	18.91	<=38.45	Pass
		15	0	22.80	-2.34	18.31	<=38.45	Pass
	836.5	1	0	23.39	-2.34	18.90	<=38.45	Pass
			14	23.43	-2.34	18.94	<=38.45	Pass
		15	0	22.70	-2.34	18.21	<=38.45	Pass
	847.5	1	0	23.44	-2.34	18.95	<=38.45	Pass
			14	23.56	-2.34	19.07	<=38.45	Pass
		15	0	22.93	-2.34	18.44	<=38.45	Pass
256QAM	825.5	1	0	20.88	-2.34	16.39	<=38.45	Pass
			14	20.80	-2.34	16.31	<=38.45	Pass
		15	0	20.80	-2.34	16.31	<=38.45	Pass
	836.5	1	0	20.89	-2.34	16.40	<=38.45	Pass
			14	20.56	-2.34	16.07	<=38.45	Pass
		15	0	20.72	-2.34	16.23	<=38.45	Pass
	847.5	1	0	20.90	-2.34	16.41	<=38.45	Pass
			14	20.09	-2.34	15.60	<=38.45	Pass
		15	0	20.43	-2.34	15.94	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	24.37	-2.34	19.88	<=38.45	Pass
			24	24.17	-2.34	19.68	<=38.45	Pass
		25	0	23.79	-2.34	19.30	<=38.45	Pass
	836.5	1	0	24.26	-2.34	19.77	<=38.45	Pass
			24	24.27	-2.34	19.78	<=38.45	Pass
		25	0	23.70	-2.34	19.21	<=38.45	Pass
	846.5	1	0	24.46	-2.34	19.97	<=38.45	Pass
			24	24.37	-2.34	19.88	<=38.45	Pass
		25	0	23.84	-2.34	19.35	<=38.45	Pass
16QAM	826.5	1	0	24.17	-2.34	19.68	<=38.45	Pass
			24	24.26	-2.34	19.77	<=38.45	Pass
		25	0	22.82	-2.34	18.33	<=38.45	Pass
	836.5	1	0	24.25	-2.34	19.76	<=38.45	Pass
			24	24.10	-2.34	19.61	<=38.45	Pass
		25	0	22.73	-2.34	18.24	<=38.45	Pass
	846.5	1	0	24.30	-2.34	19.81	<=38.45	Pass
			24	24.06	-2.34	19.57	<=38.45	Pass
		25	0	22.91	-2.34	18.42	<=38.45	Pass

64QAM	826.5	1	0	23.82	-2.34	19.33	<=38.45	Pass
			24	23.88	-2.34	19.39	<=38.45	Pass
		25	0	22.78	-2.34	18.29	<=38.45	Pass
	836.5	1	0	23.82	-2.34	19.33	<=38.45	Pass
			24	23.82	-2.34	19.33	<=38.45	Pass
		25	0	22.75	-2.34	18.26	<=38.45	Pass
	846.5	1	0	24.15	-2.34	19.66	<=38.45	Pass
			24	23.89	-2.34	19.40	<=38.45	Pass
		25	0	22.76	-2.34	18.27	<=38.45	Pass
256QAM	826.5	1	0	20.68	-2.34	16.19	<=38.45	Pass
			24	20.94	-2.34	16.45	<=38.45	Pass
		25	0	20.90	-2.34	16.41	<=38.45	Pass
	836.5	1	0	20.78	-2.34	16.29	<=38.45	Pass
			24	20.90	-2.34	16.41	<=38.45	Pass
		25	0	20.80	-2.34	16.31	<=38.45	Pass
	846.5	1	0	20.92	-2.34	16.43	<=38.45	Pass
			24	20.38	-2.34	15.89	<=38.45	Pass
		25	0	20.66	-2.34	16.17	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTN/V								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	24.37	-2.34	19.88	<=38.45	Pass
			49	24.22	-2.34	19.73	<=38.45	Pass
		50	0	23.78	-2.34	19.29	<=38.45	Pass
	836.5	1	0	24.43	-2.34	19.94	<=38.45	Pass
			49	24.33	-2.34	19.84	<=38.45	Pass
		50	0	23.77	-2.34	19.28	<=38.45	Pass
	844	1	0	24.37	-2.34	19.88	<=38.45	Pass
			49	24.46	-2.34	19.97	<=38.45	Pass
		50	0	23.98	-2.34	19.49	<=38.45	Pass
16QAM	829	1	0	24.36	-2.34	19.87	<=38.45	Pass
			49	24.19	-2.34	19.70	<=38.45	Pass
		50	0	22.83	-2.34	18.34	<=38.45	Pass
	836.5	1	0	24.19	-2.34	19.70	<=38.45	Pass
			49	24.06	-2.34	19.57	<=38.45	Pass
		50	0	22.74	-2.34	18.25	<=38.45	Pass
	844	1	0	24.43	-2.34	19.94	<=38.45	Pass
			49	24.13	-2.34	19.64	<=38.45	Pass
		50	0	23.02	-2.34	18.53	<=38.45	Pass
64QAM	829	1	0	23.96	-2.34	19.47	<=38.45	Pass
			49	24.11	-2.34	19.62	<=38.45	Pass
		50	0	22.83	-2.34	18.34	<=38.45	Pass
	836.5	1	0	23.99	-2.34	19.50	<=38.45	Pass
			49	23.84	-2.34	19.35	<=38.45	Pass
		50	0	22.75	-2.34	18.26	<=38.45	Pass
	844	1	0	24.01	-2.34	19.52	<=38.45	Pass
			49	24.00	-2.34	19.51	<=38.45	Pass
		50	0	22.92	-2.34	18.43	<=38.45	Pass
256QAM	829	1	0	20.79	-2.34	16.30	<=38.45	Pass
			49	20.82	-2.34	16.33	<=38.45	Pass
		50	0	20.82	-2.34	16.33	<=38.45	Pass
	836.5	1	0	20.95	-2.34	16.46	<=38.45	Pass
			49	20.87	-2.34	16.38	<=38.45	Pass

		50	0	20.83	-2.34	16.34	<=38.45	Pass
	844	1	0	20.93	-2.34	16.44	<=38.45	Pass
			49	20.41	-2.34	15.92	<=38.45	Pass
		50	0	20.87	-2.34	16.38	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B5_10MHz

Band: 5 / 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	3.6	-2.200	-0.0026	-2.5 to 2.5	Pass
					3.84	-0.400	-0.0005	-2.5 to 2.5	Pass
					4.3	0.600	0.0007	-2.5 to 2.5	Pass
				-30	3.84	0.200	0.0002	-2.5 to 2.5	Pass
				-20	3.84	1.300	0.0016	-2.5 to 2.5	Pass
				-10	3.84	1.000	0.0012	-2.5 to 2.5	Pass
				0	3.84	1.700	0.0020	-2.5 to 2.5	Pass
				10	3.84	0.600	0.0007	-2.5 to 2.5	Pass
				30	3.84	2.000	0.0024	-2.5 to 2.5	Pass
				40	3.84	1.500	0.0018	-2.5 to 2.5	Pass
				50	3.84	0.400	0.0005	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

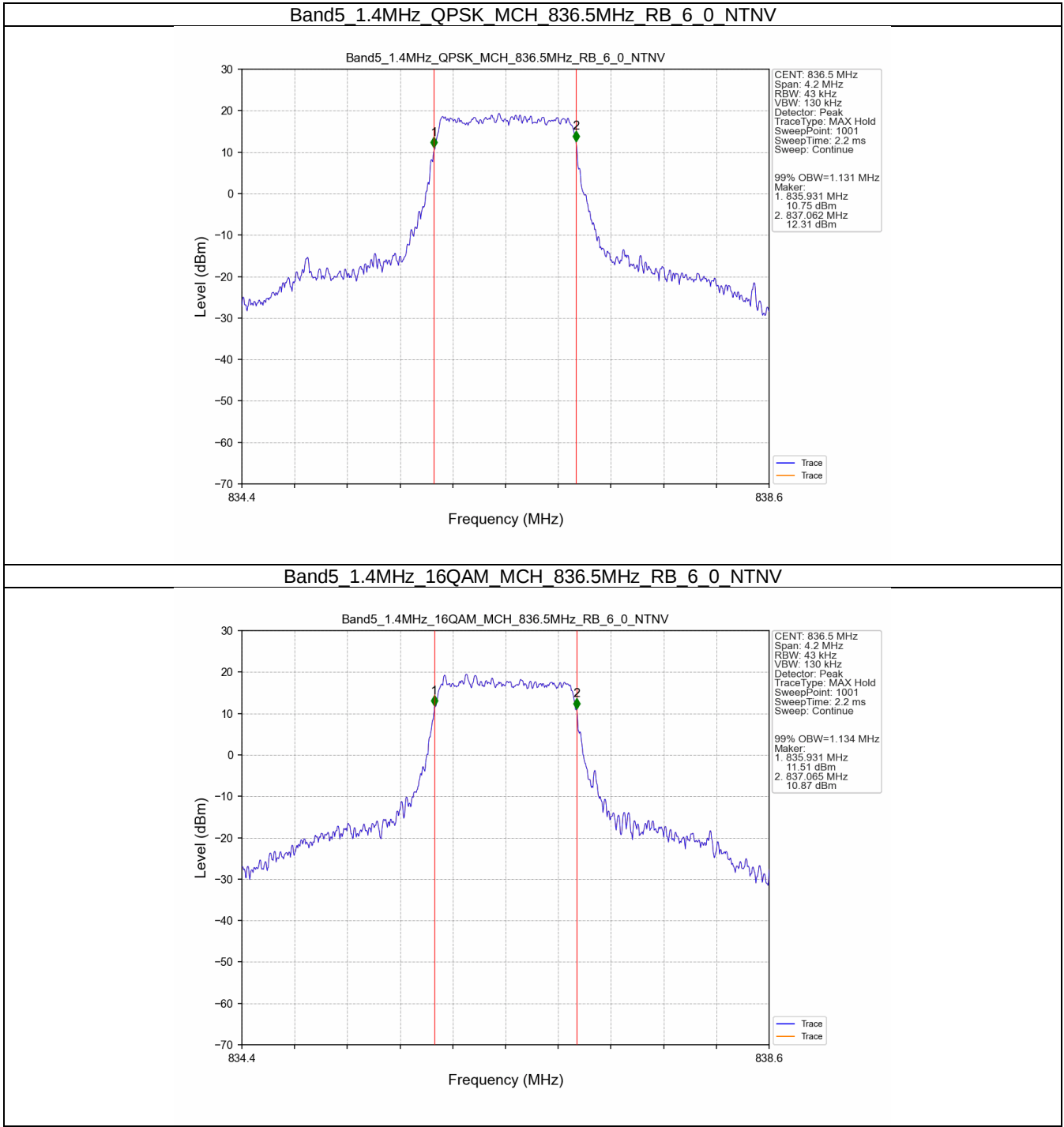
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.131	/	Pass
	16QAM	836.5	6	0	1.134	/	Pass
3	QPSK	836.5	15	0	2.738	/	Pass
	16QAM	836.5	15	0	2.752	/	Pass
5	QPSK	836.5	25	0	4.565	/	Pass
	16QAM	836.5	25	0	4.575	/	Pass
10	QPSK	836.5	50	0	9.074	/	Pass
	16QAM	836.5	50	0	9.097	/	Pass

3.1.2 Band5_XDB

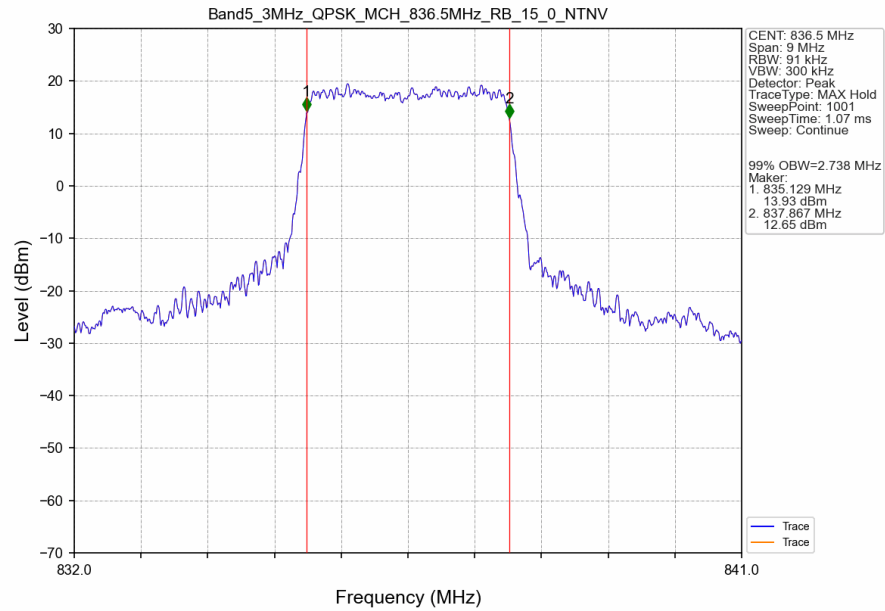
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.386	/	Pass
	16QAM	836.5	6	0	1.415	/	Pass
3	QPSK	836.5	15	0	3.125	/	Pass
	16QAM	836.5	15	0	3.108	/	Pass
5	QPSK	836.5	25	0	5.290	/	Pass
	16QAM	836.5	25	0	5.242	/	Pass
10	QPSK	836.5	50	0	10.225	/	Pass
	16QAM	836.5	50	0	10.274	/	Pass

3.2 Test Graph

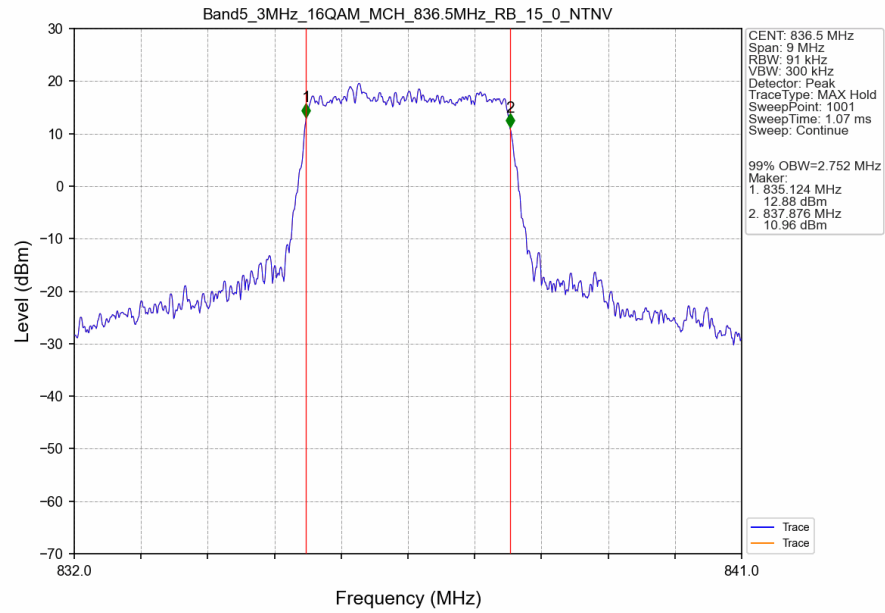
3.2.1 Band5_OBW



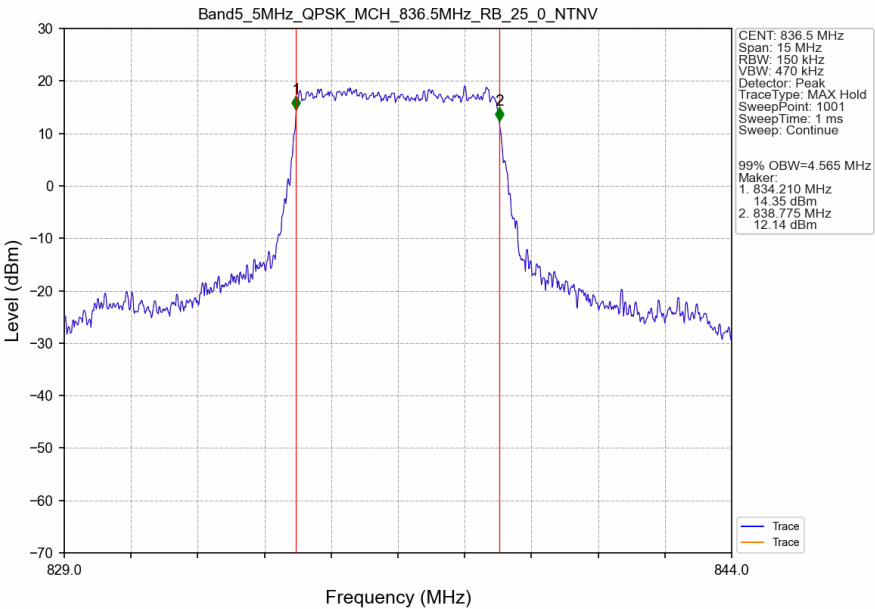
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV



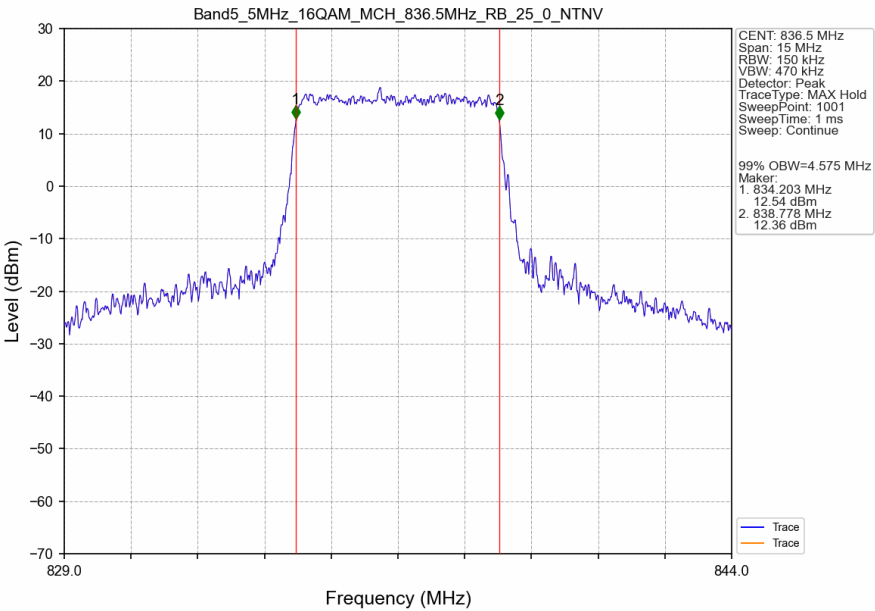
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



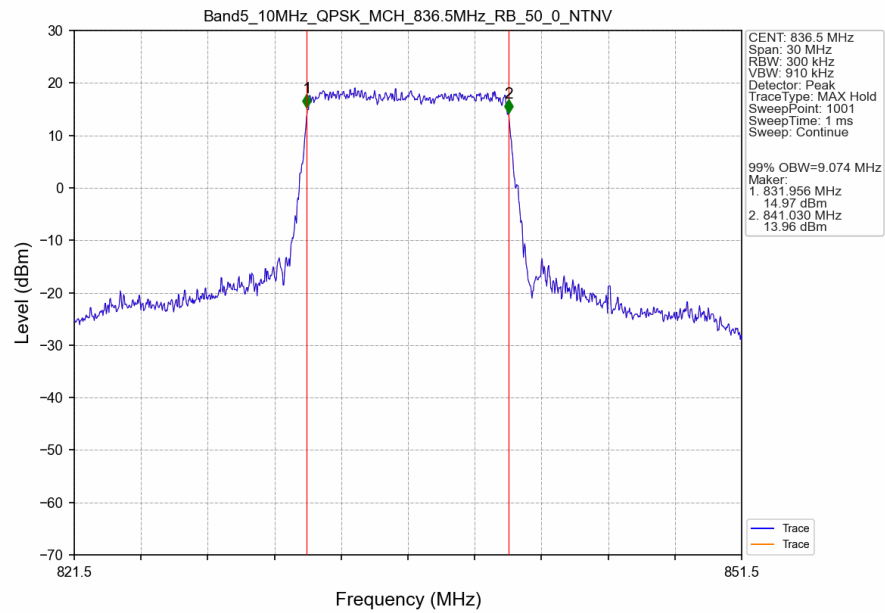
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



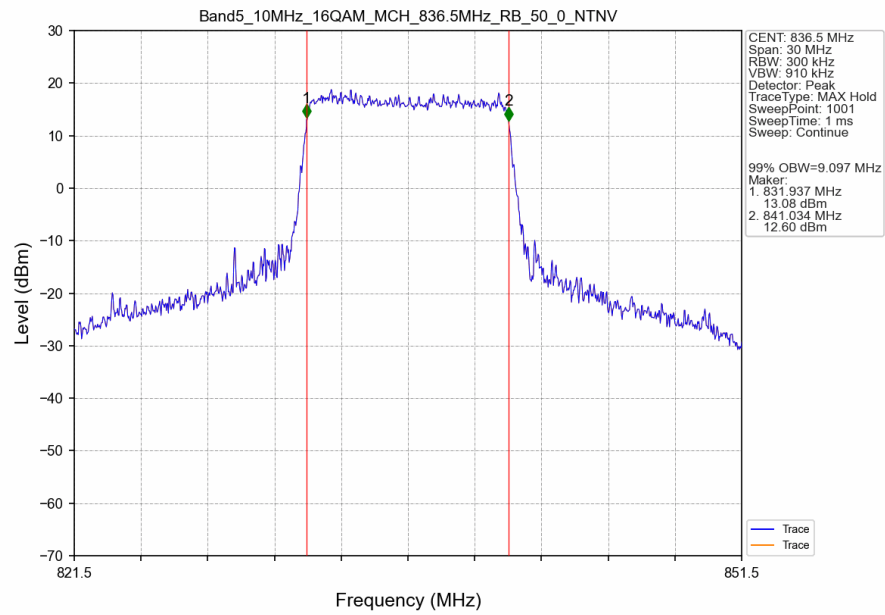
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTN



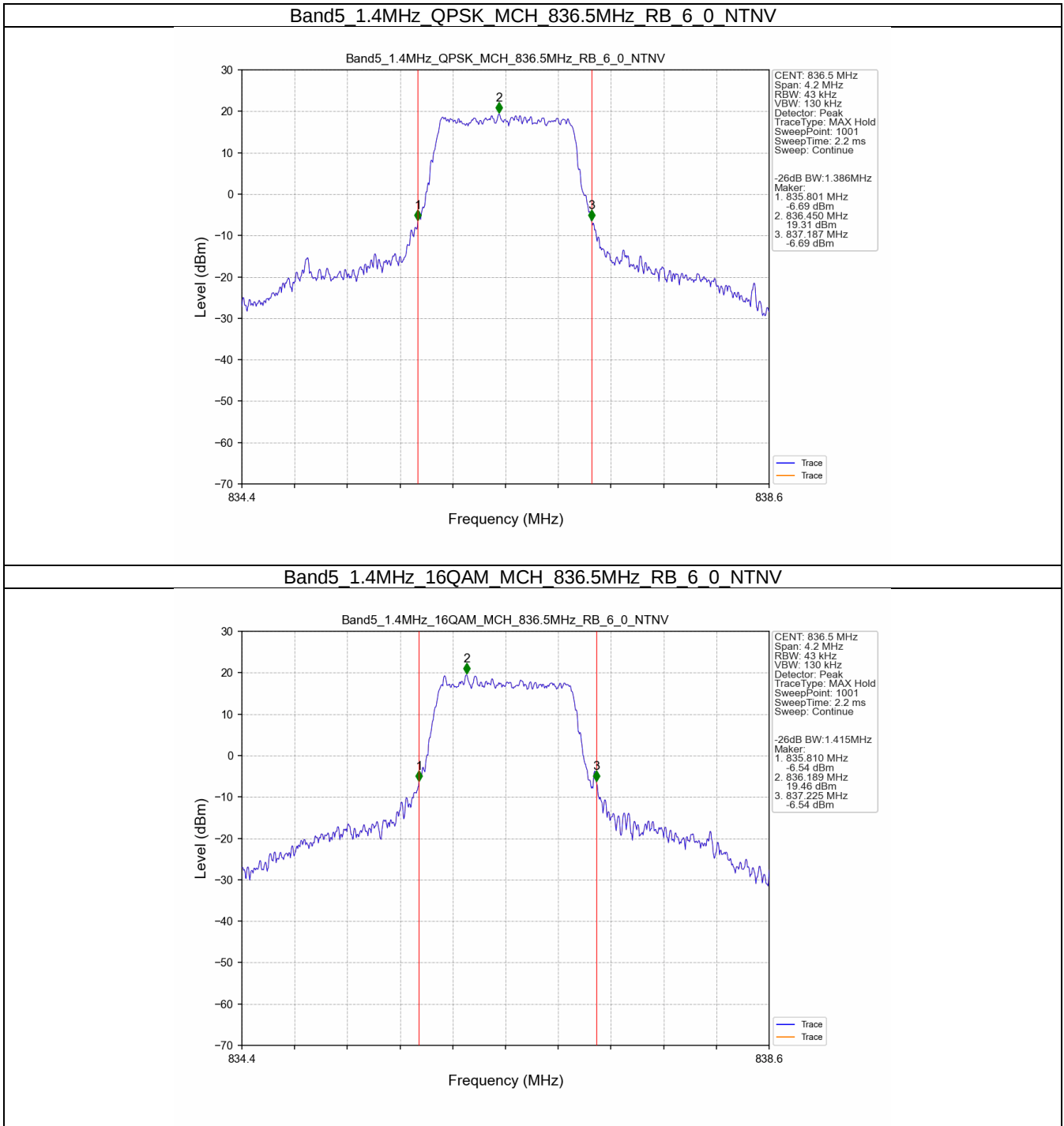
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTNV



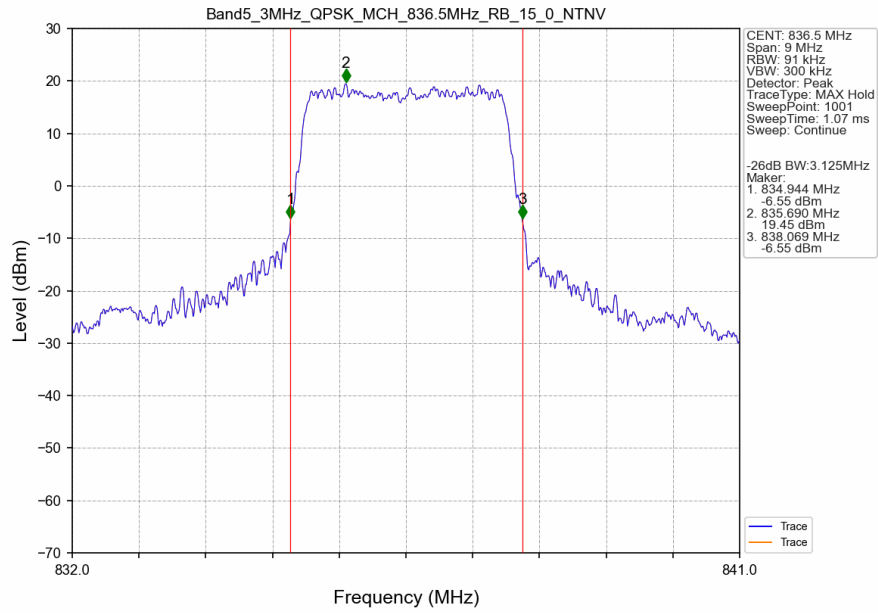
Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



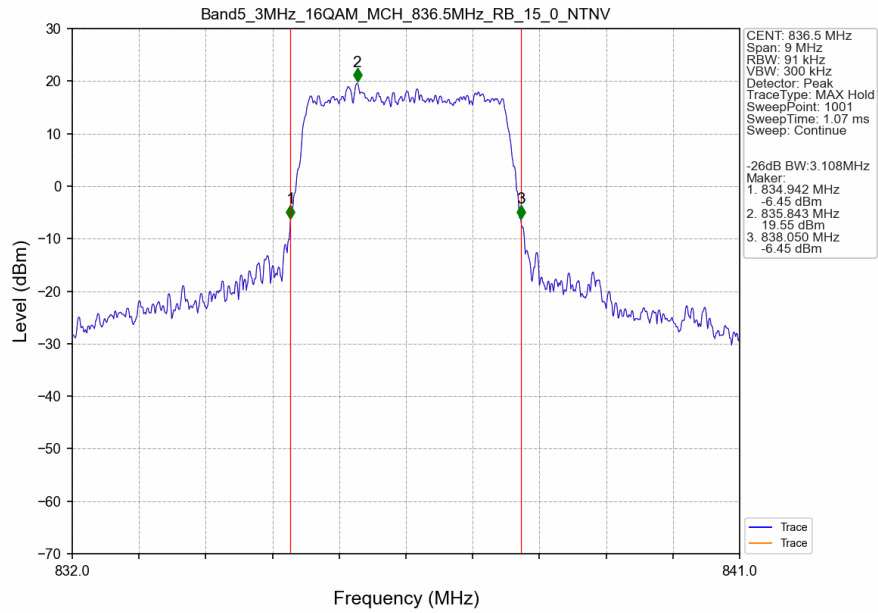
3.2.2 Band5_XDB



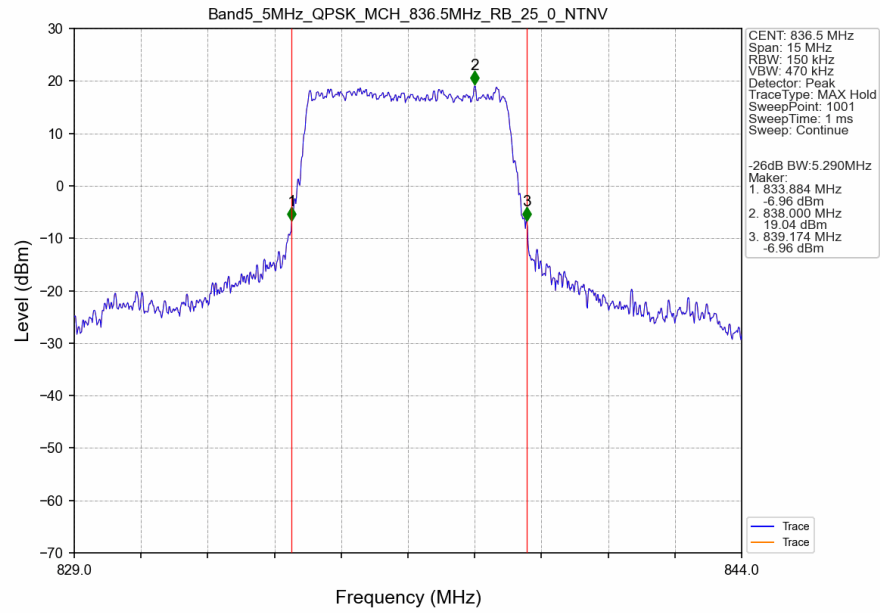
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTN



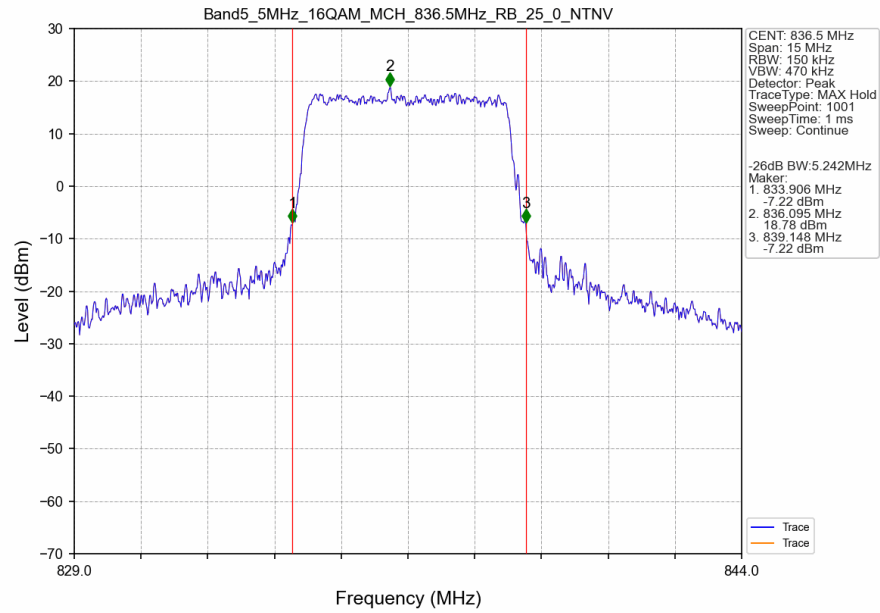
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTN



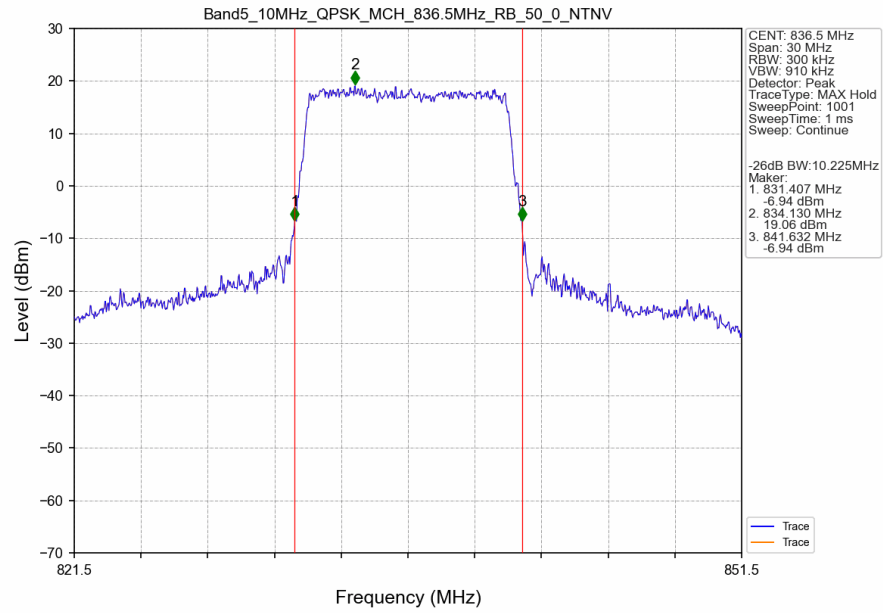
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



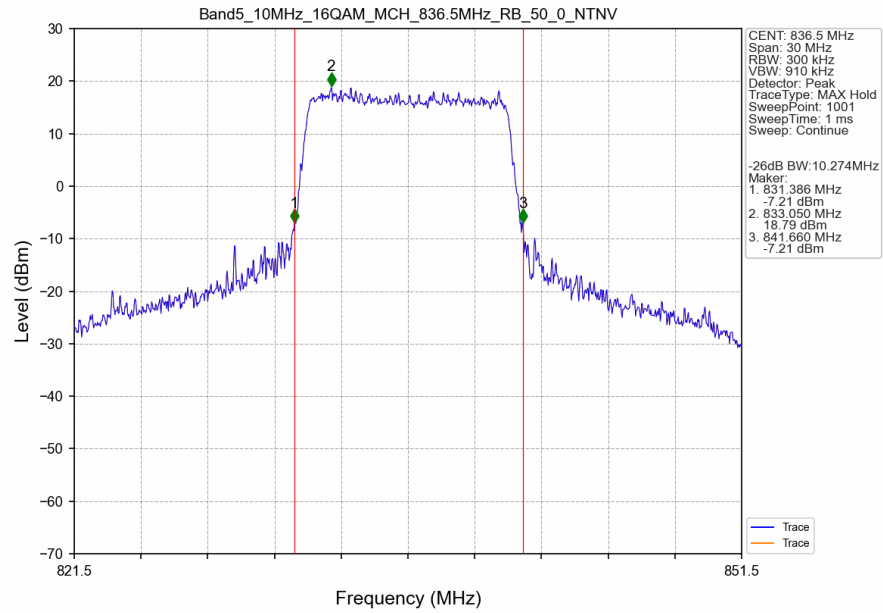
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTNV



Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



4. Peak-Average Ratio

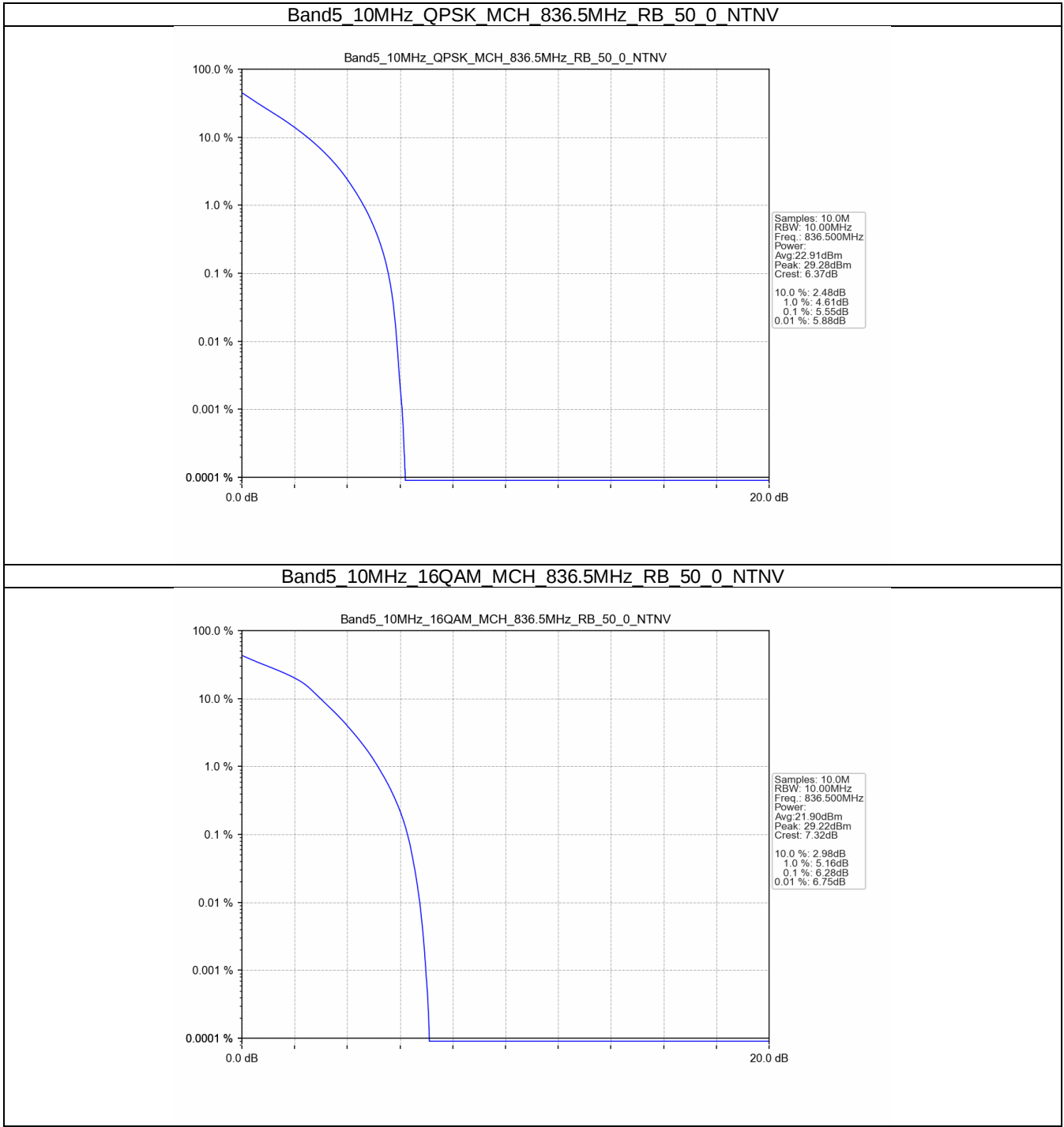
4.1 Test Result

4.1.1 B5_10MHz

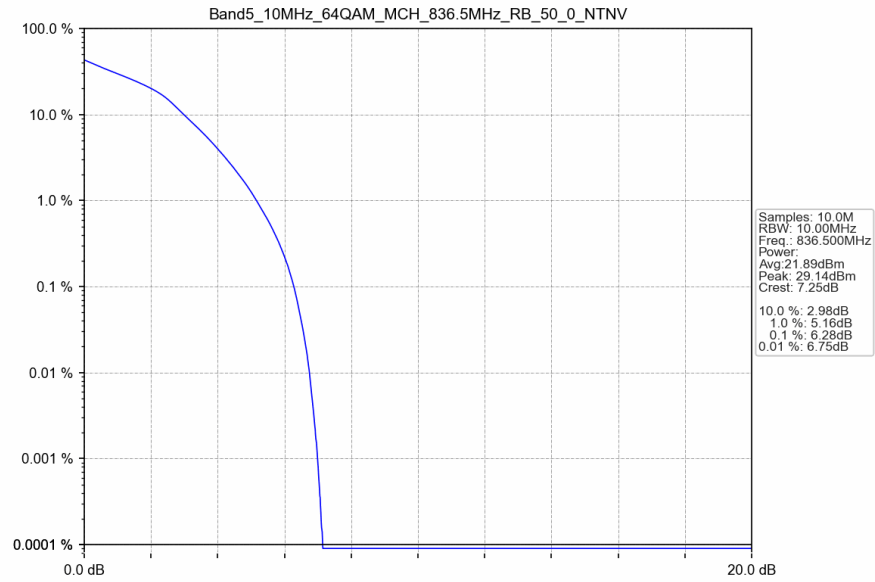
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	5.55	<=13	Pass
16QAM	836.5	50	0	6.28	<=13	Pass
64QAM	836.5	50	0	6.28	<=13	Pass
256QAM	836.5	50	0	6.82	<=13	Pass

4.2 Test Graph

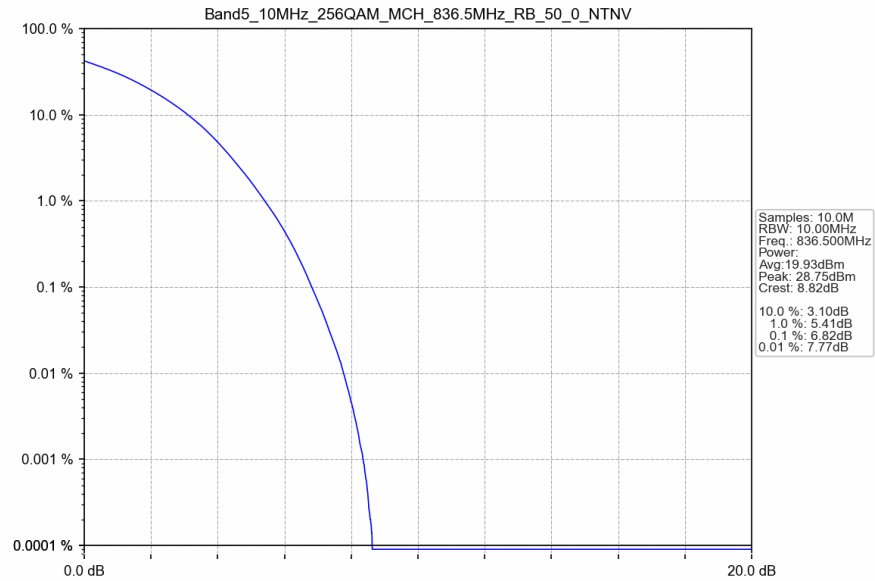
4.2.1 B5_10MHz



Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / 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 B5_3MHz

Band: 5 / 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 B5_5MHz

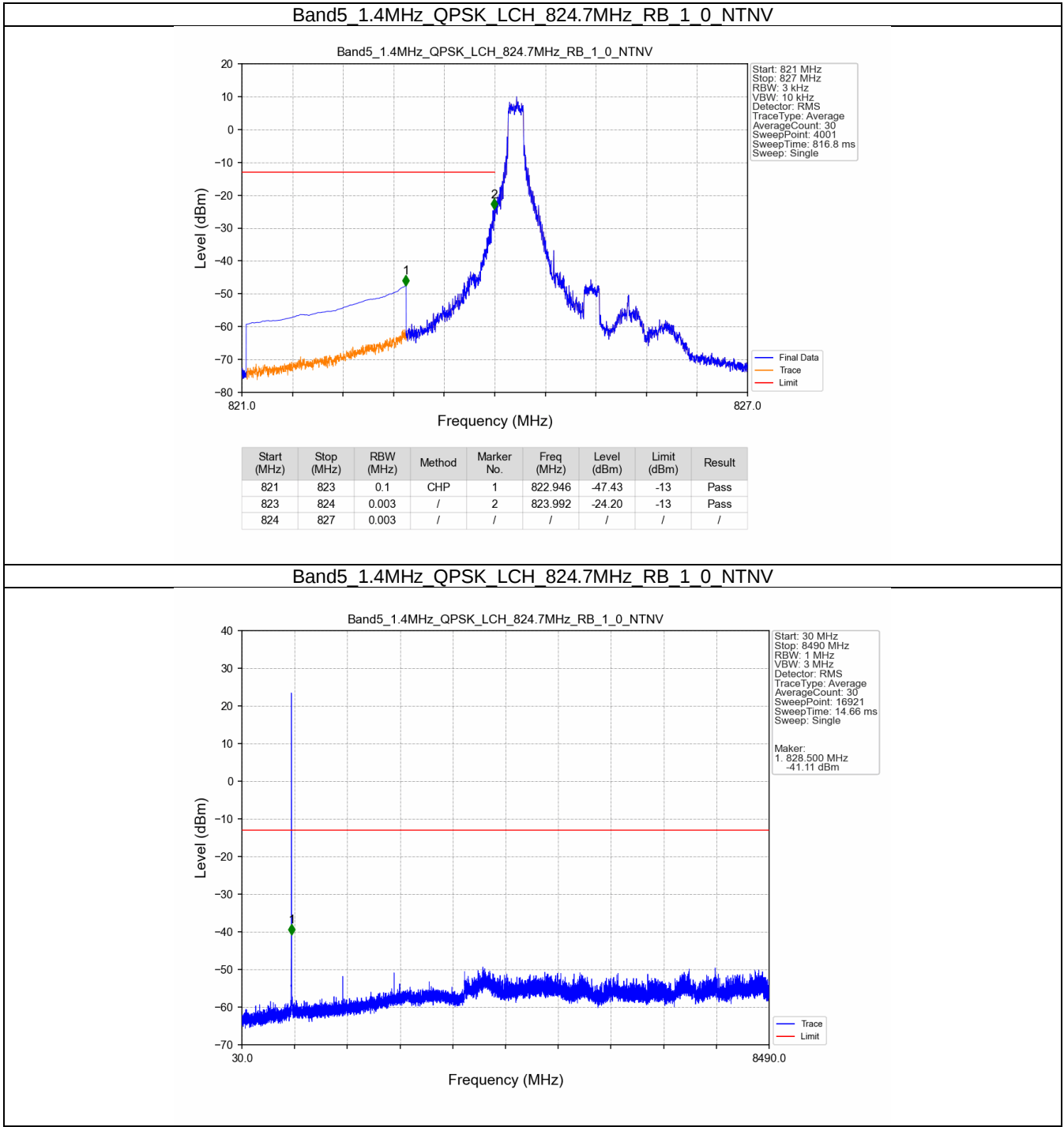
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B5_10MHz

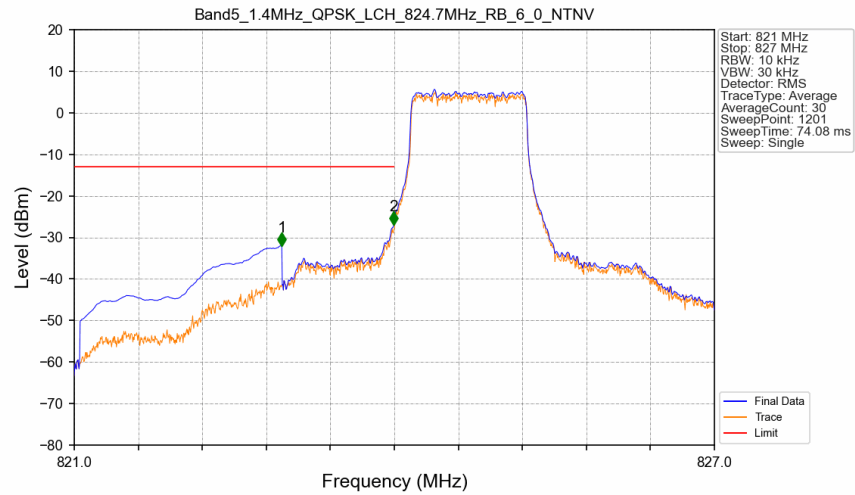
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.2 Test Graph

5.2.1 B5_1.4MHz

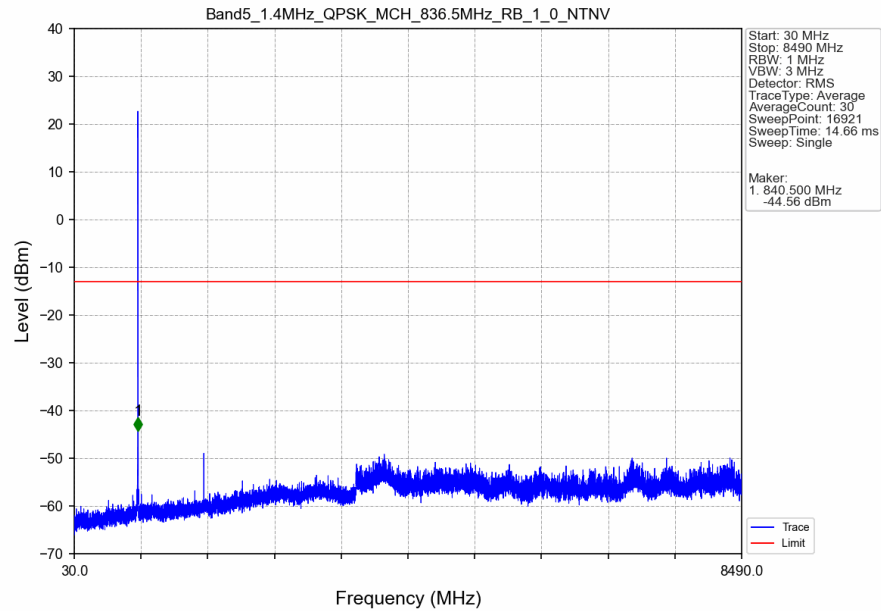


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTN

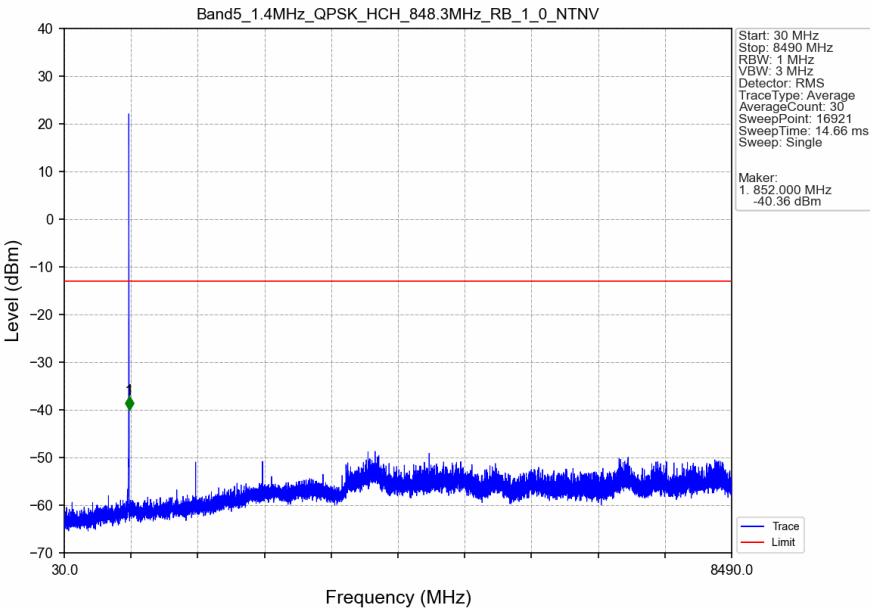


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-32.02	-13	Pass
823	824	0.014	CHP	2	823.995	-26.95	-13	Pass
824	827	0.014	CHP	/	/	/	/	/

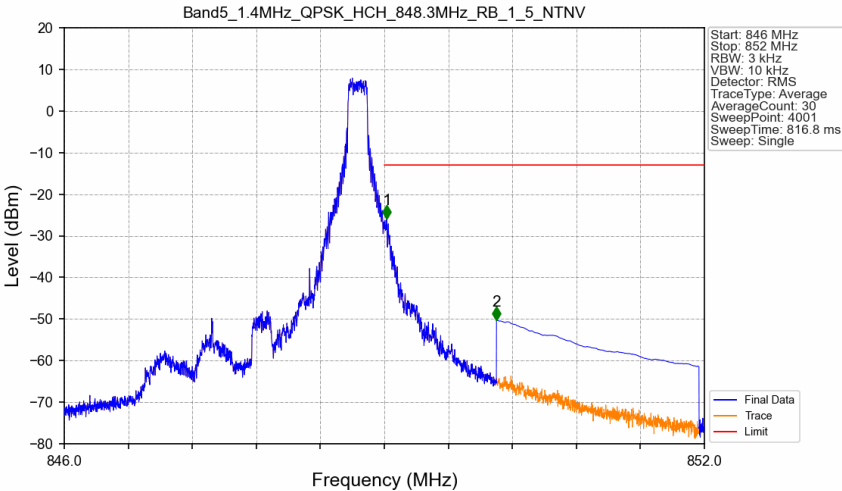
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTN

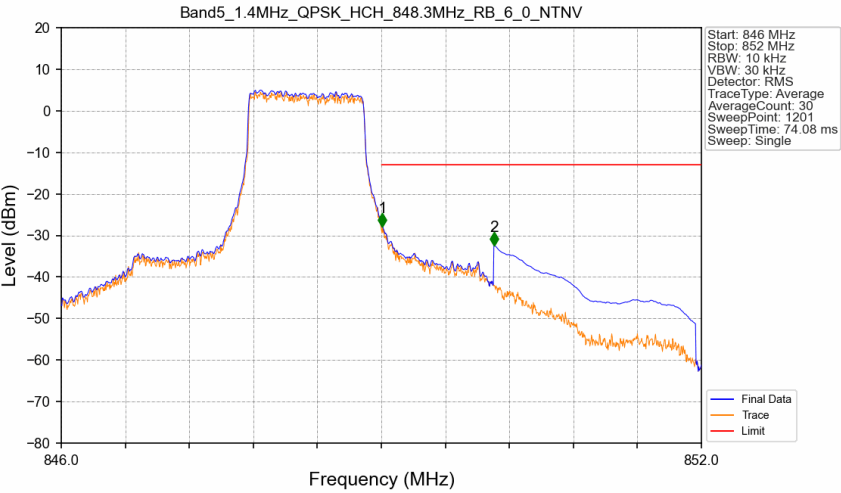


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTN



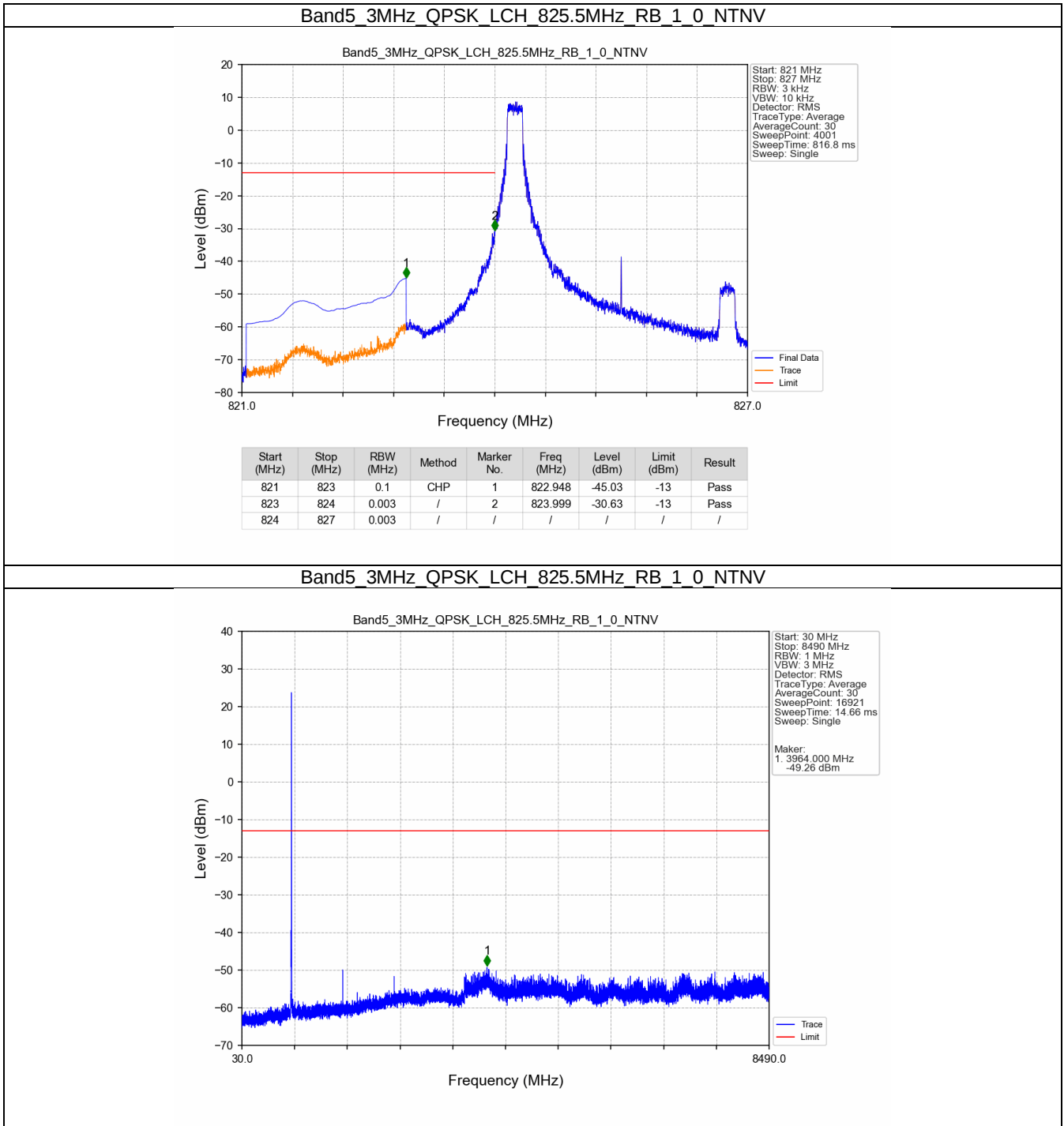
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.023	-25.91	-13	Pass
850	852	0.1	CHP	2	850.052	-50.26	-13	Pass

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN

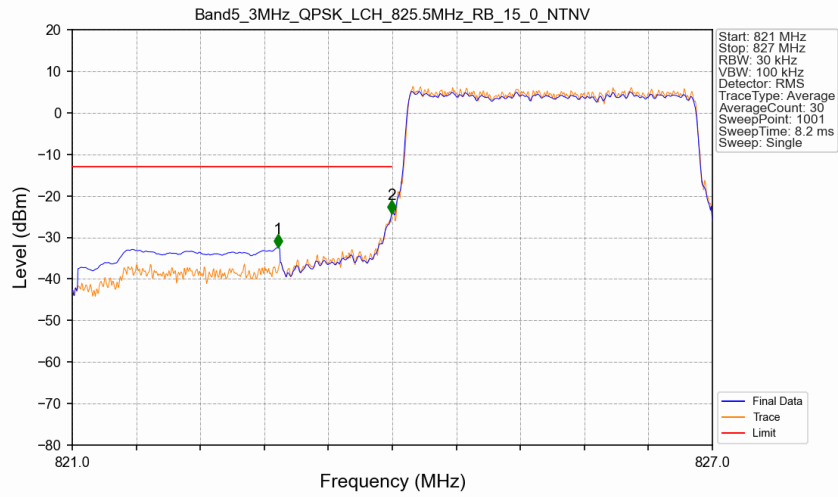


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.014	CHP	/	/	/	/	/
849	850	0.014	CHP	1	849.010	-27.91	-13	Pass
850	852	0.1	CHP	2	850.055	-32.49	-13	Pass

5.2.2 B5_3MHz

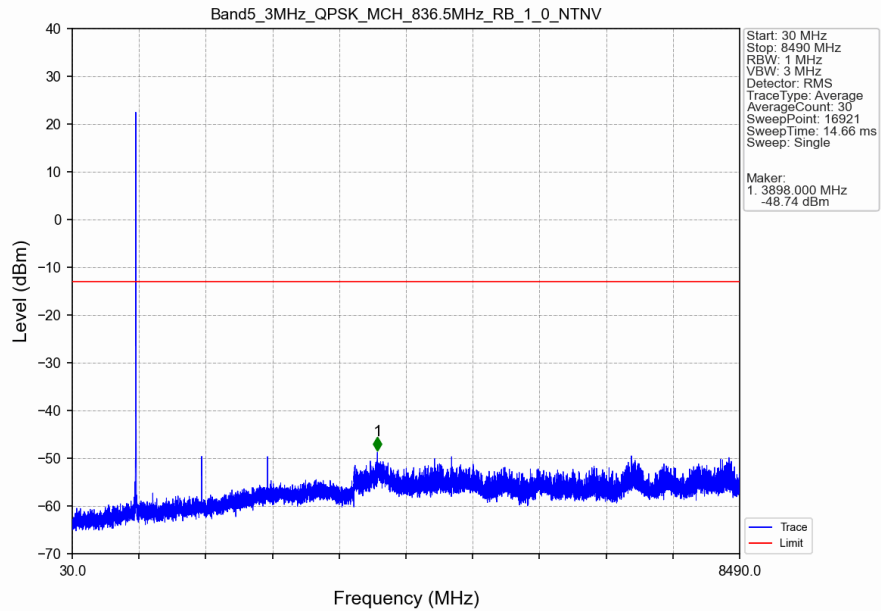


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

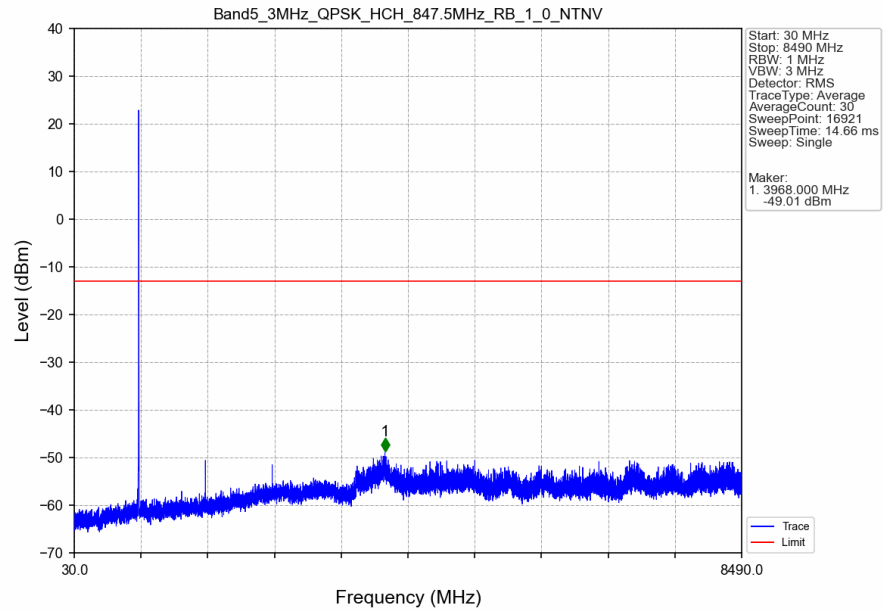


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.926	-32.48	-13	Pass
823	824	0.031	CHP	2	823.994	-24.22	-13	Pass
824	827	0.031	CHP	/	/	/	/	/

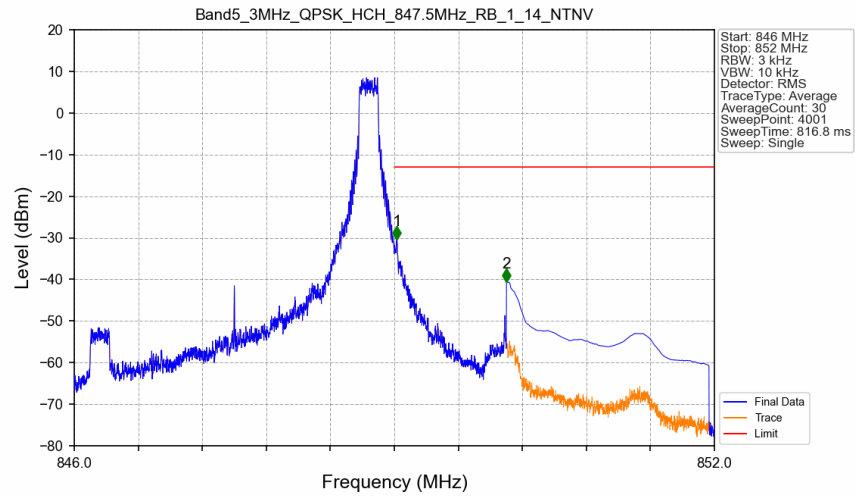
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTN

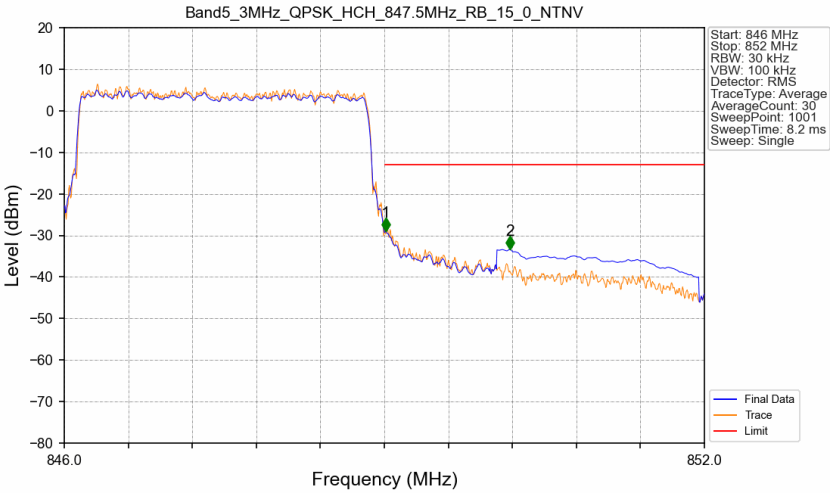


Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTN



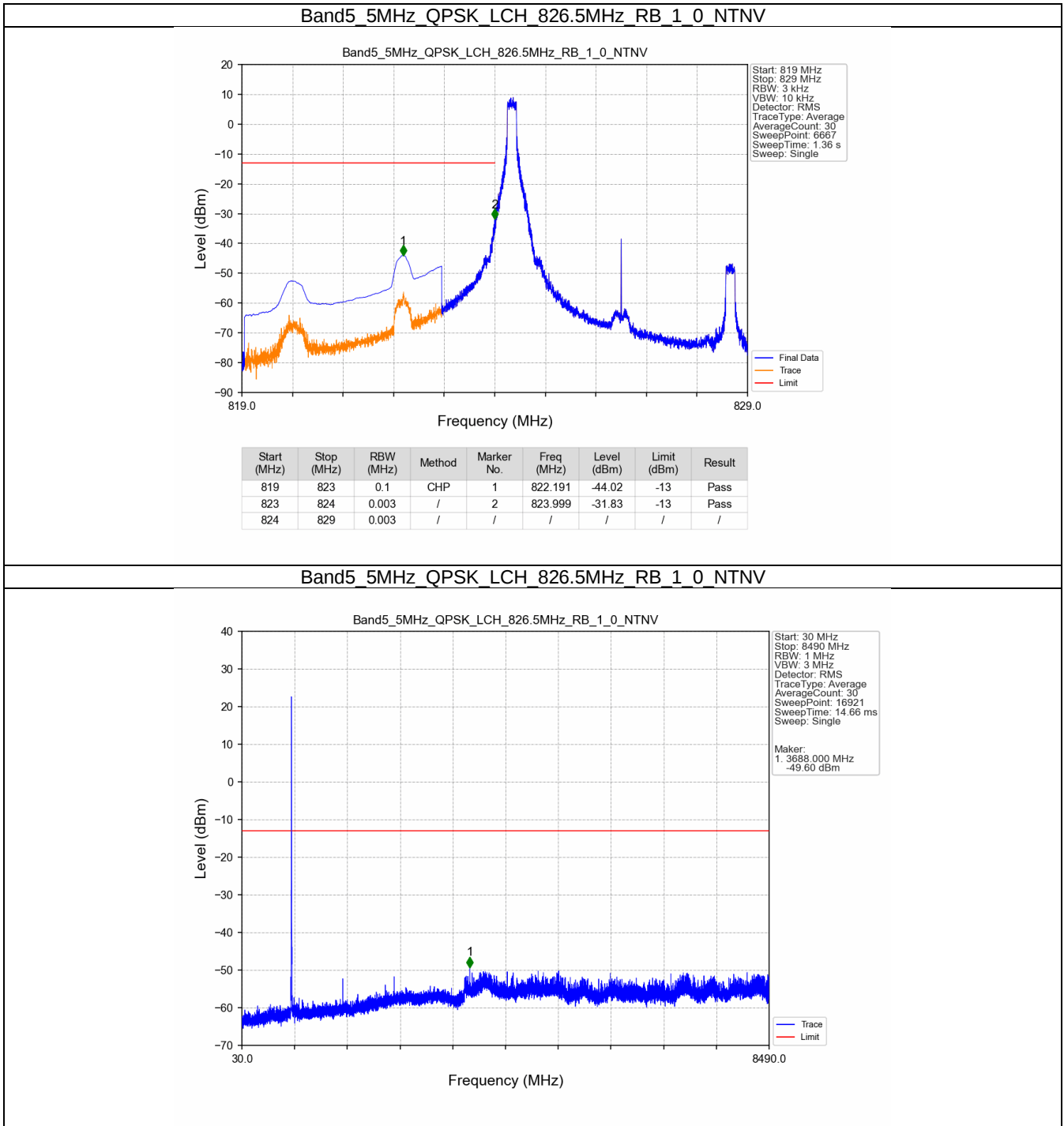
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.024	-30.32	-13	Pass
850	852	0.1	CHP	2	850.052	-40.64	-13	Pass

Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN

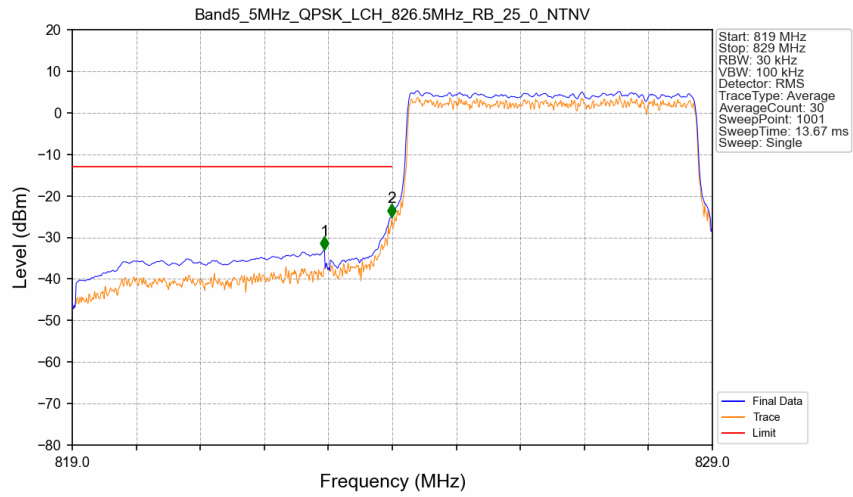


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.031	CHP	/	/	/	/	/
849	850	0.031	CHP	1	849.012	-29.02	-13	Pass
850	852	0.1	CHP	2	850.176	-33.38	-13	Pass

5.2.3 B5_5MHz

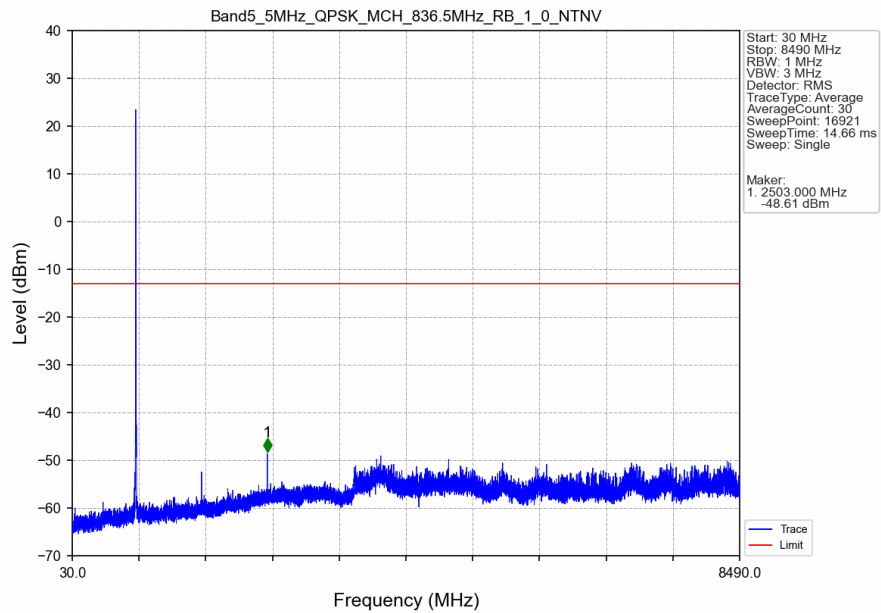


Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN

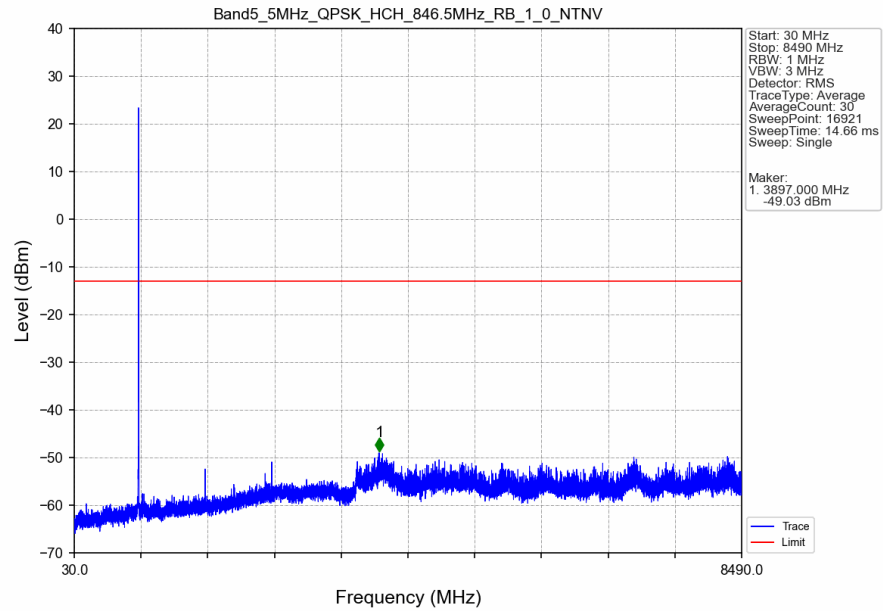


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.940	-32.98	-13	Pass
823	824	0.053	CHP	2	823.990	-25.03	-13	Pass
824	829	0.053	CHP	/	/	/	/	/

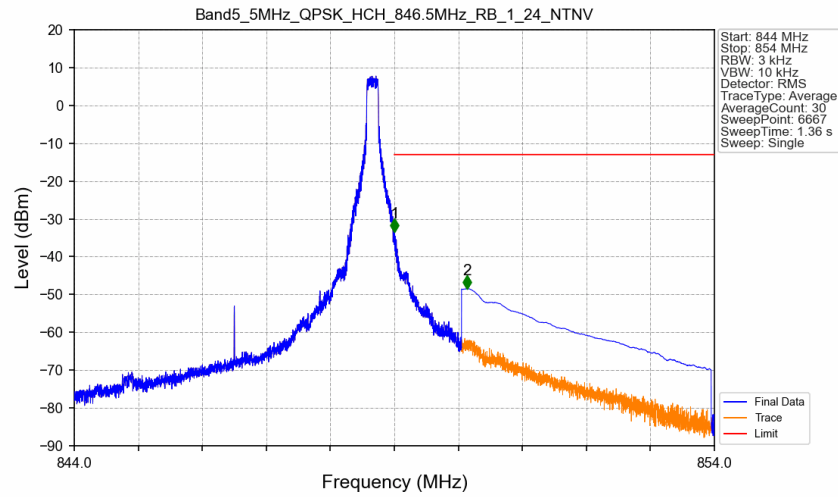
Band5 5MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTN

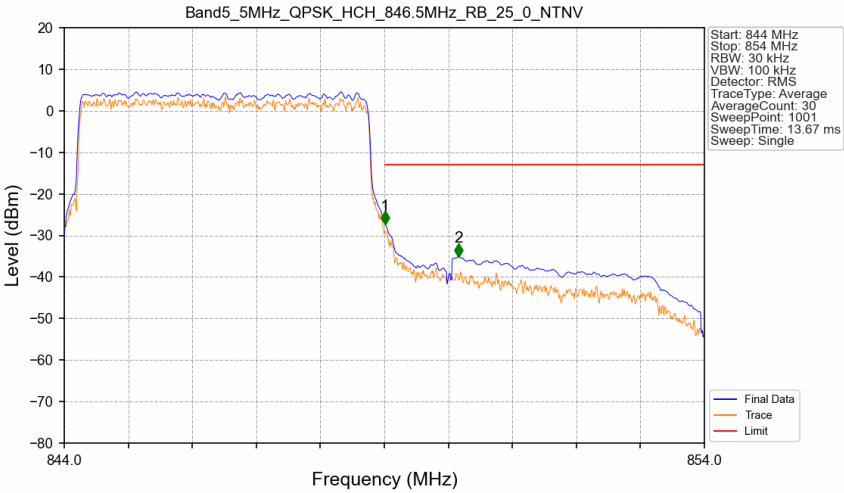


Band5 5MHz QPSK HCH 846.5MHz RB 1 24 NTN



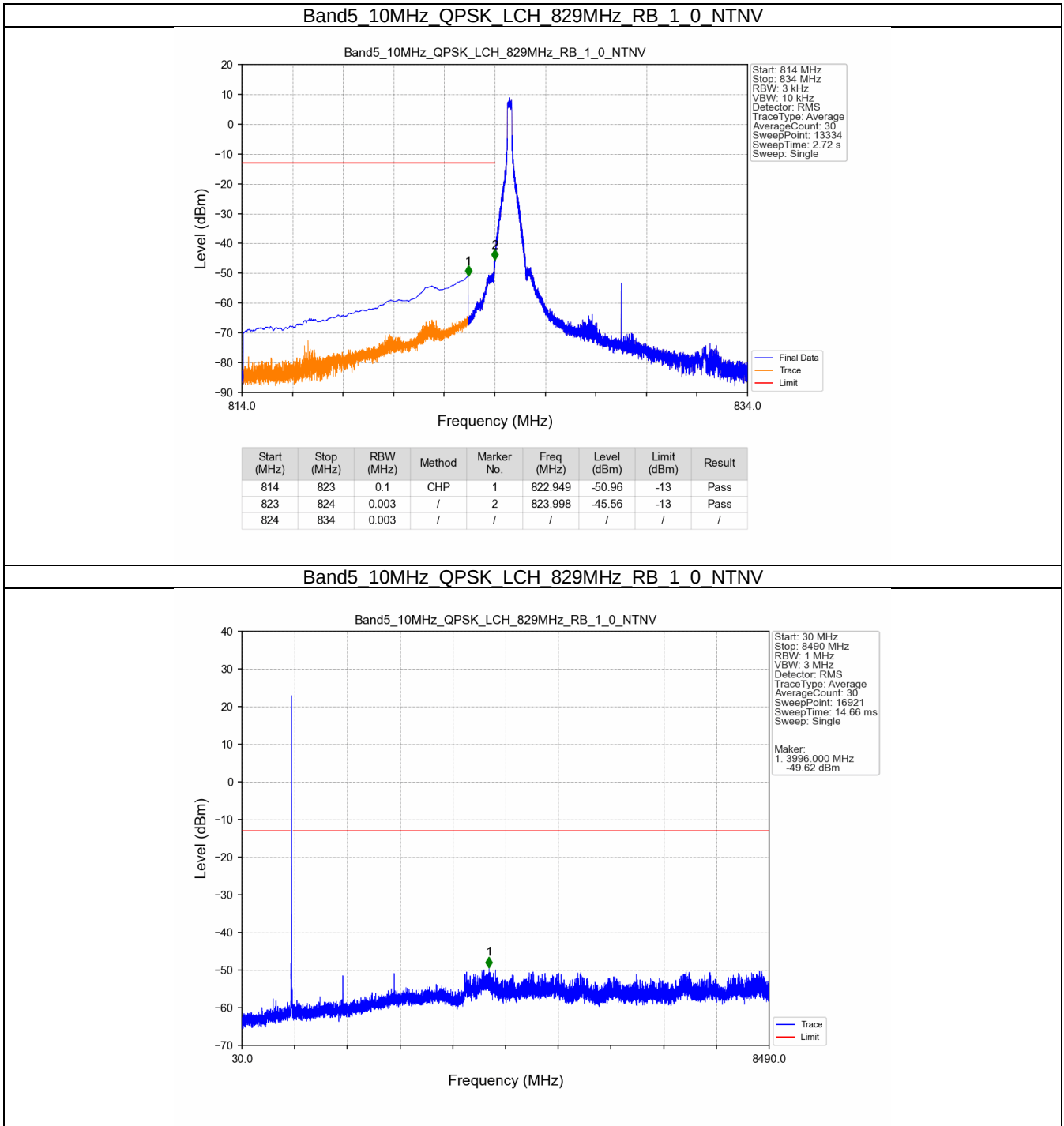
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.003	-33.36	-13	Pass
850	854	0.1	CHP	2	850.140	-48.42	-13	Pass

Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN

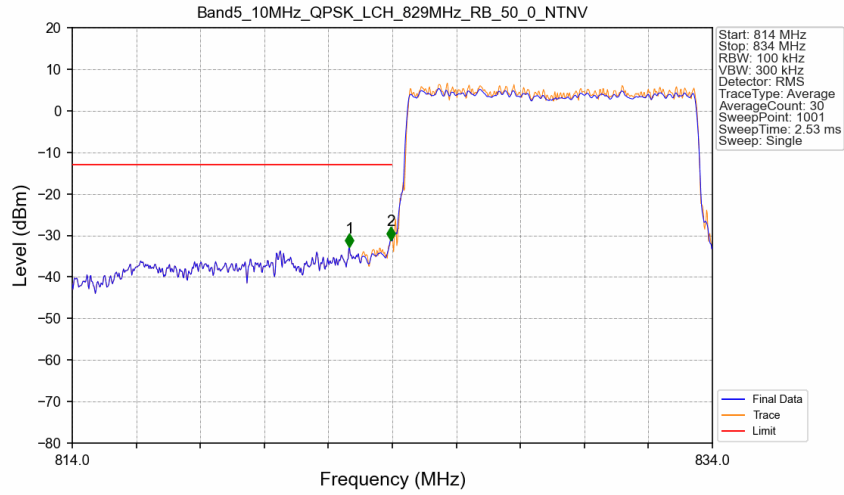


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.053	CHP	/	/	/	/	/
849	850	0.053	CHP	1	849.010	-27.29	-13	Pass
850	854	0.1	CHP	2	850.160	-35.05	-13	Pass

5.2.4 B5_10MHz

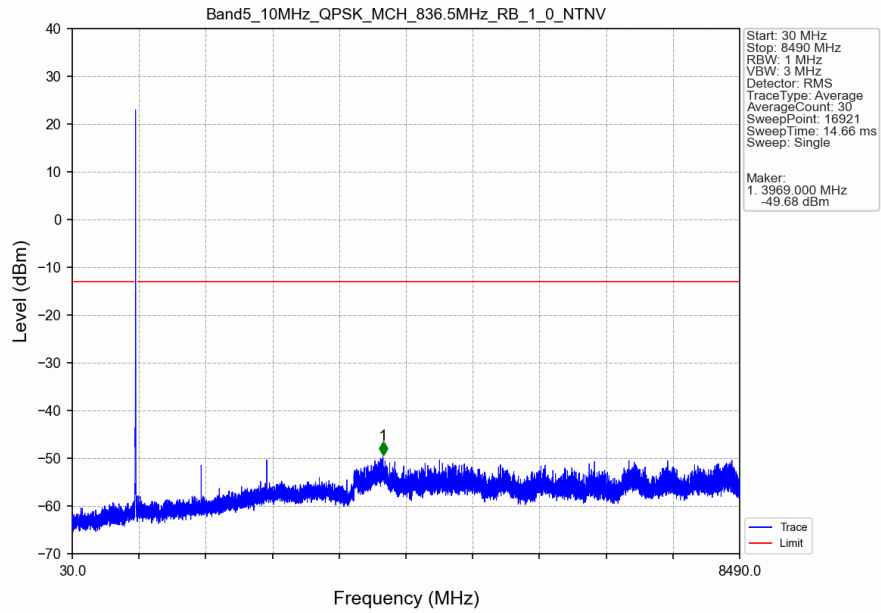


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

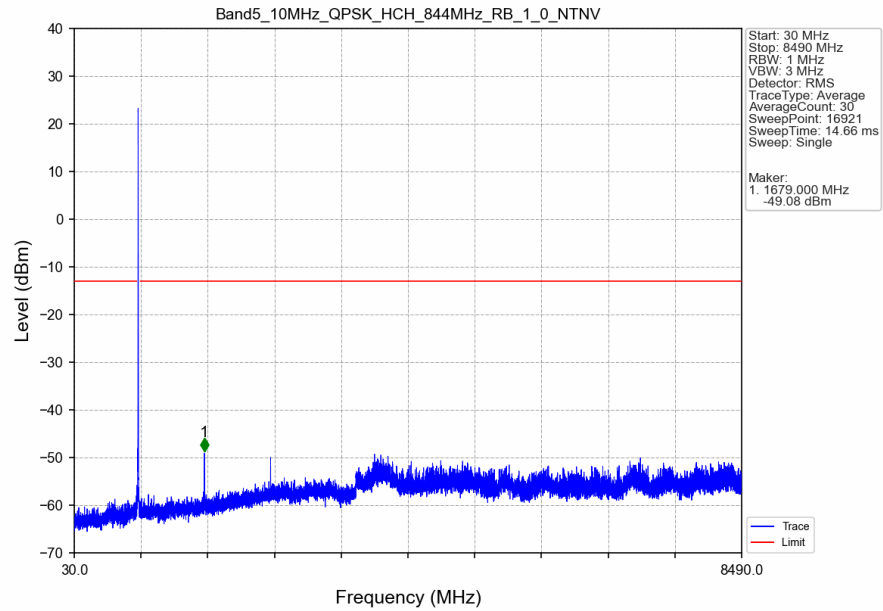


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.660	-32.77	-13	Pass
823	824	0.102	CHP	2	823.960	-31.04	-13	Pass
824	834	0.102	CHP	/	/	/	/	/

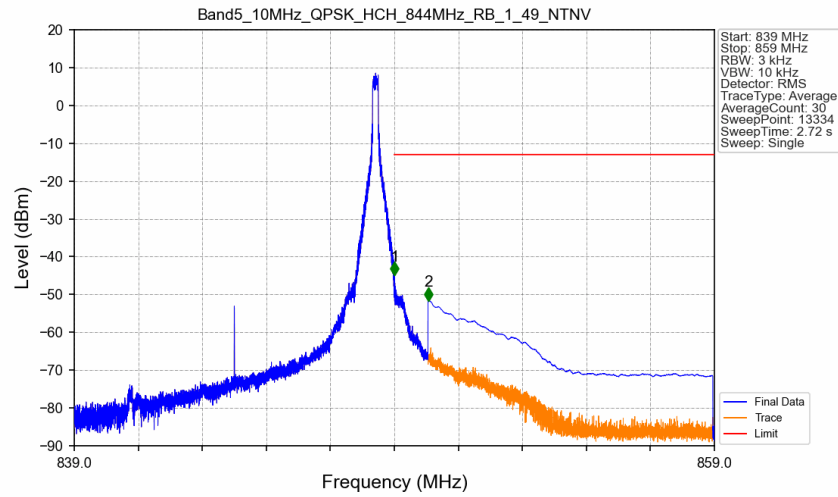
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV

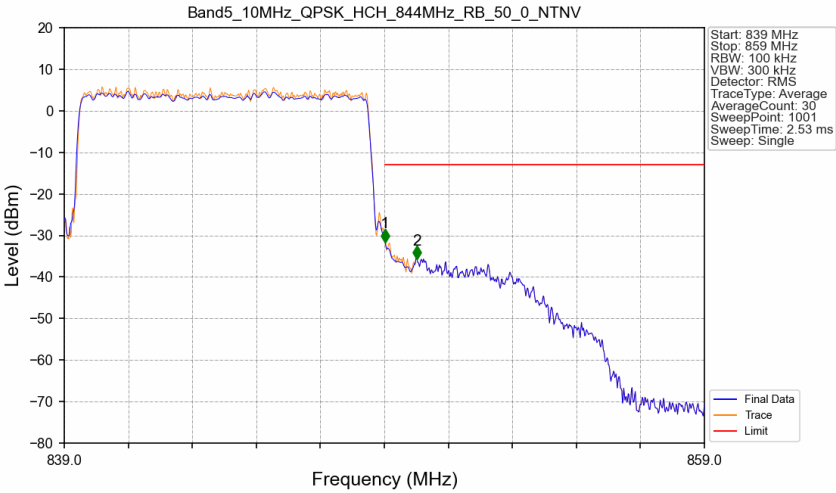


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



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	849.005	-44.91	-13	Pass
850	859	0.1	CHP	2	850.060	-51.57	-13	Pass

Band5 10MHz QPSK HCH 844MHz RB 50 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.102	CHP	/	/	/	/	/
849	850	0.102	CHP	1	849.020	-31.58	-13	Pass
850	859	0.1	/	2	850.020	-35.69	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 5 ANT31-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1649.0	-52.99	-13	-39.99	-55.87	2.62	5.5	Horizontal	Pass
2473.5	-69.74	-13	-56.74	-72.44	3.06	5.76	Horizontal	Pass
3298.0	-67.17	-13	-54.17	-71.53	3.3	7.66	Horizontal	Pass
1649.0	-52.52	-13	-39.52	-55.4	2.62	5.5	Vertical	Pass
2473.5	-64.63	-13	-51.63	-67.33	3.06	5.76	Vertical	Pass
3298.0	-67.27	-13	-54.27	-71.63	3.3	7.66	Vertical	Pass

LTE Band 5 ANT31-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1664.0	-56.75	-13	-43.75	-59.59	2.63	5.47	Horizontal	Pass
2496.0	-69.12	-13	-56.12	-71.85	3.08	5.81	Horizontal	Pass
3328.0	-67.36	-13	-54.36	-71.79	3.31	7.74	Horizontal	Pass
1664.0	-51.83	-13	-38.83	-54.67	2.63	5.47	Vertical	Pass
2496.0	-69.15	-13	-56.15	-71.88	3.08	5.81	Vertical	Pass
3328.0	-67.03	-13	-54.03	-71.46	3.31	7.74	Vertical	Pass

LTE Band 5 ANT31-High channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1679.0	-59.44	-13	-46.44	-62.24	2.63	5.43	Horizontal	Pass
2518.5	-68.8	-13	-55.8	-71.58	3.08	5.86	Horizontal	Pass
3358.0	-66.49	-13	-53.49	-70.98	3.33	7.82	Horizontal	Pass
1679.0	-54.05	-13	-41.05	-56.85	2.63	5.43	Vertical	Pass
2518.5	-69.12	-13	-56.12	-71.9	3.08	5.86	Vertical	Pass
3358.0	-67.04	-13	-54.04	-71.53	3.33	7.82	Vertical	Pass

CA_5A_7A-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5002.0	-62.38	-25	-37.38	-67.95	4.57	10.14	Horizontal	Pass
7503.0	-60.5	-25	-35.5	-67.3	4.94	11.74	Horizontal	Pass
10004.0	-57.13	-25	-32.13	-64.7	5.46	13.03	Horizontal	Pass
5002.0	-62.52	-25	-37.52	-68.09	4.57	10.14	Vertical	Pass
7503.0	-60.69	-25	-35.69	-67.49	4.94	11.74	Vertical	Pass
10004.0	-57.44	-25	-32.44	-65.01	5.46	13.03	Vertical	Pass

CA_5A_7A-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5052.0	-60.11	-25	-35.11	-65.69	4.59	10.17	Horizontal	Pass
7578.0	-60.27	-25	-35.27	-67.15	4.95	11.83	Horizontal	Pass
10104.0	-57.34	-25	-32.34	-64.91	5.48	13.05	Horizontal	Pass
5052.0	-58.78	-25	-33.78	-64.36	4.59	10.17	Vertical	Pass
7578.0	-60.85	-25	-35.85	-67.73	4.95	11.83	Vertical	Pass
10104.0	-57.73	-25	-32.73	-65.3	5.48	13.05	Vertical	Pass

CA_5A_7A-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5102.0	-63.47	-25	-38.47	-69.07	4.6	10.2	Horizontal	Pass
7653.0	-59.95	-25	-34.95	-66.92	4.95	11.92	Horizontal	Pass
10204.0	-56.98	-25	-31.98	-64.56	5.49	13.07	Horizontal	Pass
5102.0	-63.18	-25	-38.18	-68.78	4.6	10.2	Vertical	Pass
7653.0	-60.2	-25	-35.2	-67.17	4.95	11.92	Vertical	Pass
10204.0	-57.55	-25	-32.55	-65.13	5.49	13.07	Vertical	Pass