

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	24.34	-4.53	17.66	<=38.45	Pass
			5	24.32	-4.53	17.64	<=38.45	Pass
		6	0	23.53	-4.53	16.85	<=38.45	Pass
	836.5	1	0	24.40	-4.53	17.72	<=38.45	Pass
			5	24.41	-4.53	17.73	<=38.45	Pass
		6	0	23.57	-4.53	16.89	<=38.45	Pass
	848.3	1	0	24.35	-4.53	17.67	<=38.45	Pass
			5	24.34	-4.53	17.66	<=38.45	Pass
		6	0	23.57	-4.53	16.89	<=38.45	Pass
16QAM	824.7	1	0	23.53	-4.53	16.85	<=38.45	Pass
			5	23.57	-4.53	16.89	<=38.45	Pass
		6	0	22.54	-4.53	15.86	<=38.45	Pass
	836.5	1	0	23.58	-4.53	16.90	<=38.45	Pass
			5	23.63	-4.53	16.95	<=38.45	Pass
		6	0	22.57	-4.53	15.89	<=38.45	Pass
	848.3	1	0	23.53	-4.53	16.85	<=38.45	Pass
			5	23.53	-4.53	16.85	<=38.45	Pass
		6	0	22.57	-4.53	15.89	<=38.45	Pass
64QAM	824.7	1	0	22.61	-4.53	15.93	<=38.45	Pass
			5	22.60	-4.53	15.92	<=38.45	Pass
		6	0	21.72	-4.53	15.04	<=38.45	Pass
	836.5	1	0	22.95	-4.53	16.27	<=38.45	Pass
			5	23.00	-4.53	16.32	<=38.45	Pass
		6	0	21.57	-4.53	14.89	<=38.45	Pass
	848.3	1	0	22.62	-4.53	15.94	<=38.45	Pass
			5	22.62	-4.53	15.94	<=38.45	Pass
		6	0	21.75	-4.53	15.07	<=38.45	Pass
256QAM	824.7	1	0	19.35	-4.53	12.67	<=38.45	Pass
			5	19.38	-4.53	12.70	<=38.45	Pass
		6	0	19.56	-4.53	12.88	<=38.45	Pass
	836.5	1	0	19.83	-4.53	13.15	<=38.45	Pass
			5	19.81	-4.53	13.13	<=38.45	Pass
		6	0	19.47	-4.53	12.79	<=38.45	Pass
	848.3	1	0	19.34	-4.53	12.66	<=38.45	Pass
			5	19.34	-4.53	12.66	<=38.45	Pass
		6	0	19.56	-4.53	12.88	<=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	24.46	-4.53	17.78	<=38.45	Pass
			14	24.46	-4.53	17.78	<=38.45	Pass
		15	0	23.52	-4.53	16.84	<=38.45	Pass
	836.5	1	0	24.56	-4.53	17.88	<=38.45	Pass

			14	24.50	-4.53	17.82	<=38.45	Pass
		15	0	23.59	-4.53	16.91	<=38.45	Pass
	847.5	1	0	24.53	-4.53	17.85	<=38.45	Pass
			14	24.47	-4.53	17.79	<=38.45	Pass
		15	0	23.62	-4.53	16.94	<=38.45	Pass
16QAM	825.5	1	0	24.11	-4.53	17.43	<=38.45	Pass
			14	24.00	-4.53	17.32	<=38.45	Pass
		15	0	22.61	-4.53	15.93	<=38.45	Pass
	836.5	1	0	24.17	-4.53	17.49	<=38.45	Pass
			14	24.14	-4.53	17.46	<=38.45	Pass
		15	0	22.69	-4.53	16.01	<=38.45	Pass
	847.5	1	0	24.01	-4.53	17.33	<=38.45	Pass
			14	24.01	-4.53	17.33	<=38.45	Pass
		15	0	22.65	-4.53	15.97	<=38.45	Pass
	64QAM	825.5	1	0	22.78	-4.53	16.10	<=38.45
14				22.79	-4.53	16.11	<=38.45	Pass
15			0	21.55	-4.53	14.87	<=38.45	Pass
836.5		1	0	22.87	-4.53	16.19	<=38.45	Pass
			14	22.85	-4.53	16.17	<=38.45	Pass
		15	0	21.59	-4.53	14.91	<=38.45	Pass
847.5		1	0	22.81	-4.53	16.13	<=38.45	Pass
			14	22.81	-4.53	16.13	<=38.45	Pass
		15	0	21.63	-4.53	14.95	<=38.45	Pass
256QAM	825.5	1	0	19.92	-4.53	13.24	<=38.45	Pass
			14	19.92	-4.53	13.24	<=38.45	Pass
		15	0	19.57	-4.53	12.89	<=38.45	Pass
	836.5	1	0	20.00	-4.53	13.32	<=38.45	Pass
			14	20.01	-4.53	13.33	<=38.45	Pass
		15	0	19.61	-4.53	12.93	<=38.45	Pass
	847.5	1	0	19.95	-4.53	13.27	<=38.45	Pass
			14	19.95	-4.53	13.27	<=38.45	Pass
15		0	19.63	-4.53	12.95	<=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	24.58	-4.53	17.90	<=38.45	Pass
			24	24.56	-4.53	17.88	<=38.45	Pass
		25	0	23.58	-4.53	16.90	<=38.45	Pass
	836.5	1	0	24.52	-4.53	17.84	<=38.45	Pass
			24	24.58	-4.53	17.90	<=38.45	Pass
		25	0	23.68	-4.53	17.00	<=38.45	Pass
	846.5	1	0	24.69	-4.53	18.01	<=38.45	Pass
			24	24.64	-4.53	17.96	<=38.45	Pass
		25	0	23.67	-4.53	16.99	<=38.45	Pass
16QAM	826.5	1	0	23.45	-4.53	16.77	<=38.45	Pass
			24	23.43	-4.53	16.75	<=38.45	Pass
		25	0	22.63	-4.53	15.95	<=38.45	Pass
	836.5	1	0	23.84	-4.53	17.16	<=38.45	Pass
			24	23.91	-4.53	17.23	<=38.45	Pass
		25	0	22.64	-4.53	15.96	<=38.45	Pass
	846.5	1	0	23.45	-4.53	16.77	<=38.45	Pass
			24	23.43	-4.53	16.75	<=38.45	Pass
		25	0	22.70	-4.53	16.02	<=38.45	Pass

64QAM	826.5	1	0	22.57	-4.53	15.89	<=38.45	Pass
			24	22.53	-4.53	15.85	<=38.45	Pass
		25	0	21.60	-4.53	14.92	<=38.45	Pass
	836.5	1	0	22.74	-4.53	16.06	<=38.45	Pass
			24	22.82	-4.53	16.14	<=38.45	Pass
		25	0	21.69	-4.53	15.01	<=38.45	Pass
	846.5	1	0	22.57	-4.53	15.89	<=38.45	Pass
			24	22.60	-4.53	15.92	<=38.45	Pass
		25	0	21.67	-4.53	14.99	<=38.45	Pass
256QAM	826.5	1	0	19.32	-4.53	12.64	<=38.45	Pass
			24	19.33	-4.53	12.65	<=38.45	Pass
		25	0	19.63	-4.53	12.95	<=38.45	Pass
	836.5	1	0	19.79	-4.53	13.11	<=38.45	Pass
			24	19.84	-4.53	13.16	<=38.45	Pass
		25	0	19.66	-4.53	12.98	<=38.45	Pass
	846.5	1	0	19.36	-4.53	12.68	<=38.45	Pass
			24	19.36	-4.53	12.68	<=38.45	Pass
		25	0	19.67	-4.53	12.99	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	24.57	-4.53	17.89	<=38.45	Pass
			49	24.59	-4.53	17.91	<=38.45	Pass
		50	0	23.56	-4.53	16.88	<=38.45	Pass
	836.5	1	0	24.48	-4.53	17.80	<=38.45	Pass
			49	24.58	-4.53	17.90	<=38.45	Pass
		50	0	23.58	-4.53	16.90	<=38.45	Pass
	844	1	0	24.61	-4.53	17.93	<=38.45	Pass
			49	24.56	-4.53	17.88	<=38.45	Pass
		50	0	23.60	-4.53	16.92	<=38.45	Pass
16QAM	829	1	0	24.07	-4.53	17.39	<=38.45	Pass
			49	24.16	-4.53	17.48	<=38.45	Pass
		50	0	22.58	-4.53	15.90	<=38.45	Pass
	836.5	1	0	23.80	-4.53	17.12	<=38.45	Pass
			49	23.82	-4.53	17.14	<=38.45	Pass
		50	0	22.61	-4.53	15.93	<=38.45	Pass
	844	1	0	24.22	-4.53	17.54	<=38.45	Pass
			49	24.09	-4.53	17.41	<=38.45	Pass
		50	0	22.62	-4.53	15.94	<=38.45	Pass
64QAM	829	1	0	22.83	-4.53	16.15	<=38.45	Pass
			49	22.84	-4.53	16.16	<=38.45	Pass
		50	0	21.59	-4.53	14.91	<=38.45	Pass
	836.5	1	0	22.70	-4.53	16.02	<=38.45	Pass
			49	22.72	-4.53	16.04	<=38.45	Pass
		50	0	21.61	-4.53	14.93	<=38.45	Pass
	844	1	0	22.91	-4.53	16.23	<=38.45	Pass
			49	22.88	-4.53	16.20	<=38.45	Pass
		50	0	21.63	-4.53	14.95	<=38.45	Pass
256QAM	829	1	0	19.99	-4.53	13.31	<=38.45	Pass
			49	20.01	-4.53	13.33	<=38.45	Pass
		50	0	19.59	-4.53	12.91	<=38.45	Pass
	836.5	1	0	19.42	-4.53	12.74	<=38.45	Pass

	844	50	0	19.57	-4.53	12.89	<=38.45	Pass
		1	0	20.08	-4.53	13.40	<=38.45	Pass
			49	20.04	-4.53	13.36	<=38.45	Pass
		50	0	19.64	-4.53	12.96	<=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	3.7	-3.104	-0.0037	-2.5 to 2.5	Pass
					3.91	-4.005	-0.0048	-2.5 to 2.5	Pass
					4.3	-4.921	-0.0059	-2.5 to 2.5	Pass
				-30	3.91	-2.747	-0.0033	-2.5 to 2.5	Pass
				-20	3.91	-3.290	-0.0039	-2.5 to 2.5	Pass
				-10	3.91	-3.347	-0.0040	-2.5 to 2.5	Pass
				0	3.91	-3.505	-0.0042	-2.5 to 2.5	Pass
				10	3.91	-4.249	-0.0051	-2.5 to 2.5	Pass
				30	3.91	-3.877	-0.0046	-2.5 to 2.5	Pass
				40	3.91	-0.901	-0.0011	-2.5 to 2.5	Pass
				50	3.91	-5.307	-0.0063	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

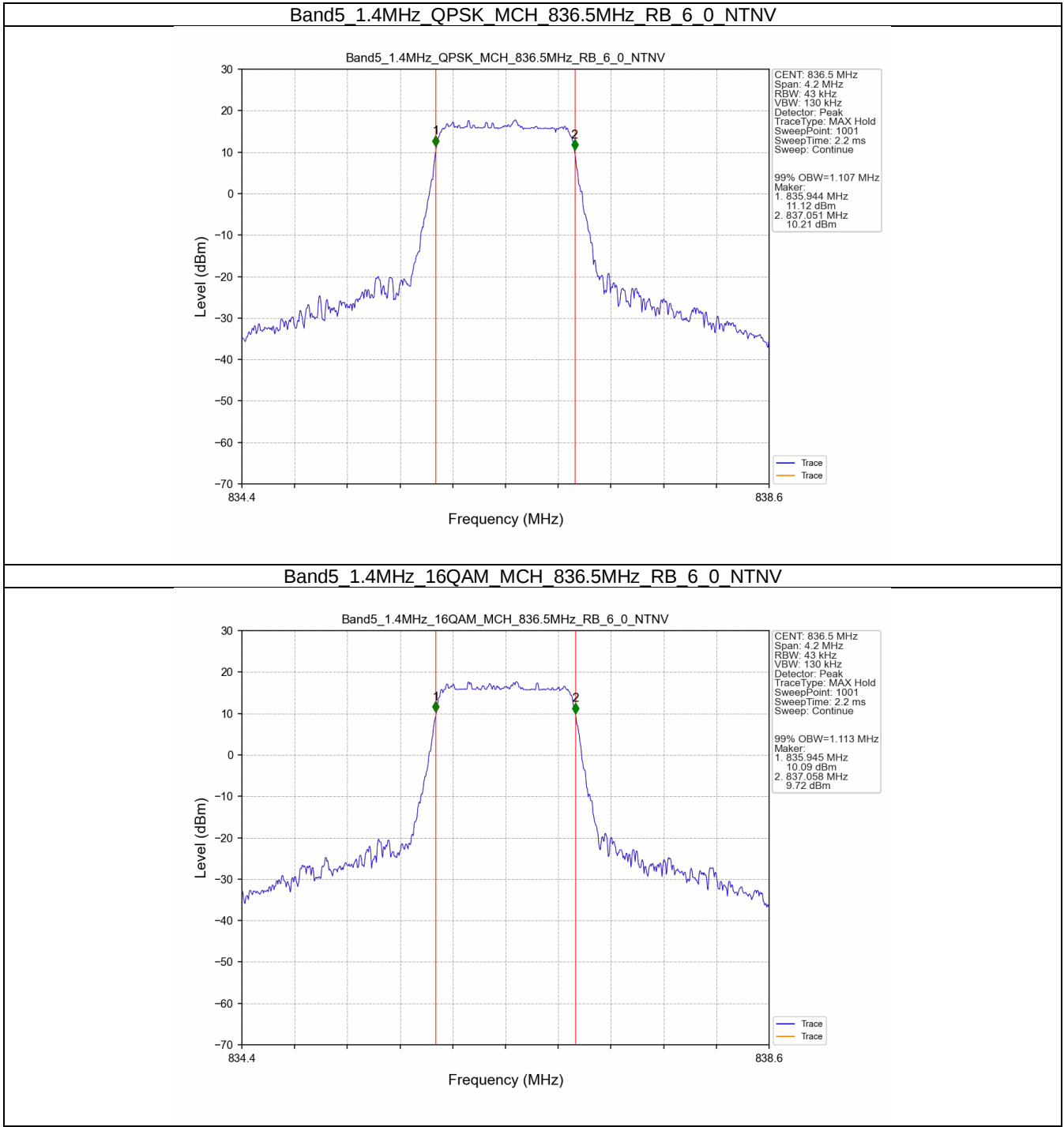
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.107	/	Pass
	16QAM	836.5	6	0	1.113	/	Pass
3	QPSK	836.5	15	0	2.752	/	Pass
	16QAM	836.5	15	0	2.748	/	Pass
5	QPSK	836.5	25	0	4.561	/	Pass
	16QAM	836.5	25	0	4.557	/	Pass
10	QPSK	836.5	50	0	9.056	/	Pass
	16QAM	836.5	50	0	9.024	/	Pass

3.1.2 Band5_XDB

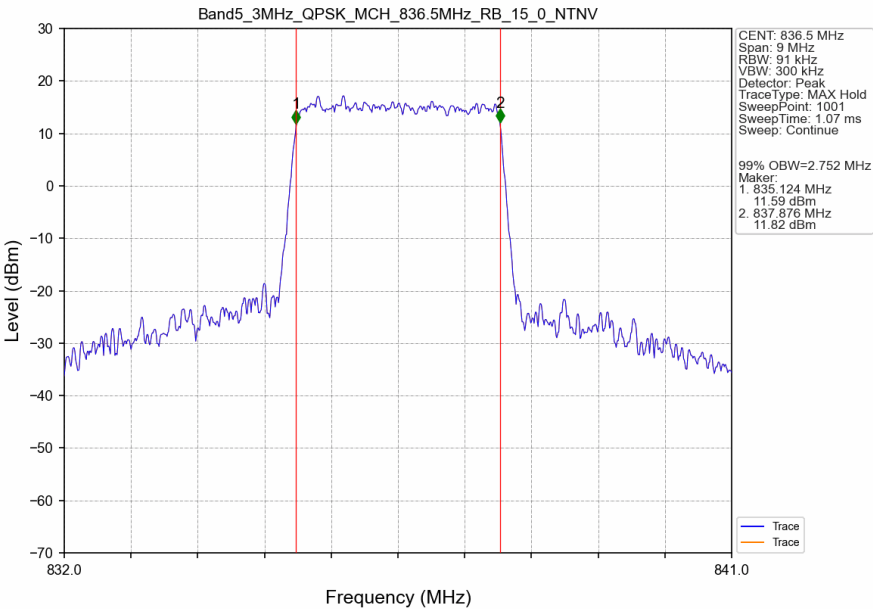
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.321	/	Pass
	16QAM	836.5	6	0	1.309	/	Pass
3	QPSK	836.5	15	0	3.000	/	Pass
	16QAM	836.5	15	0	3.000	/	Pass
5	QPSK	836.5	25	0	5.078	/	Pass
	16QAM	836.5	25	0	5.019	/	Pass
10	QPSK	836.5	50	0	10.039	/	Pass
	16QAM	836.5	50	0	9.983	/	Pass

3.2 Test Graph

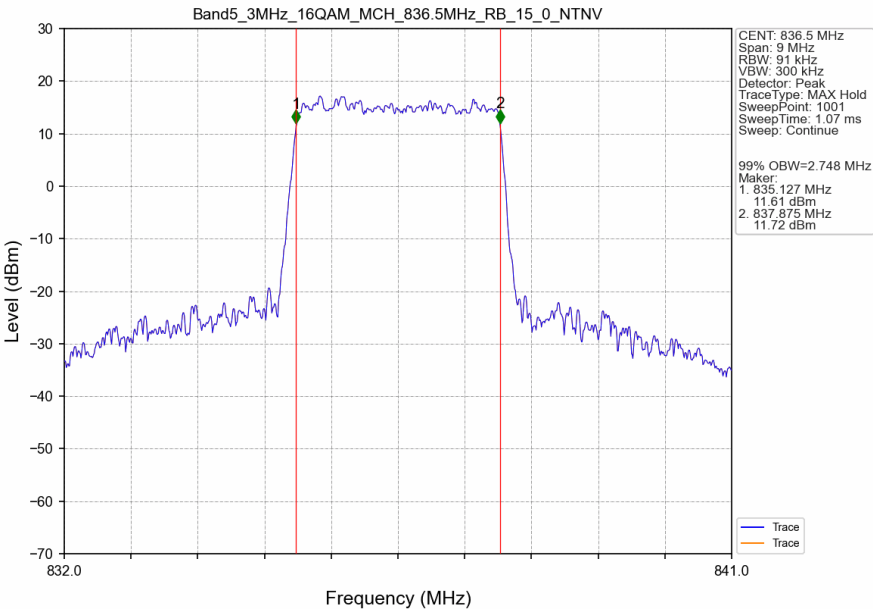
3.2.1 Band5_OBW



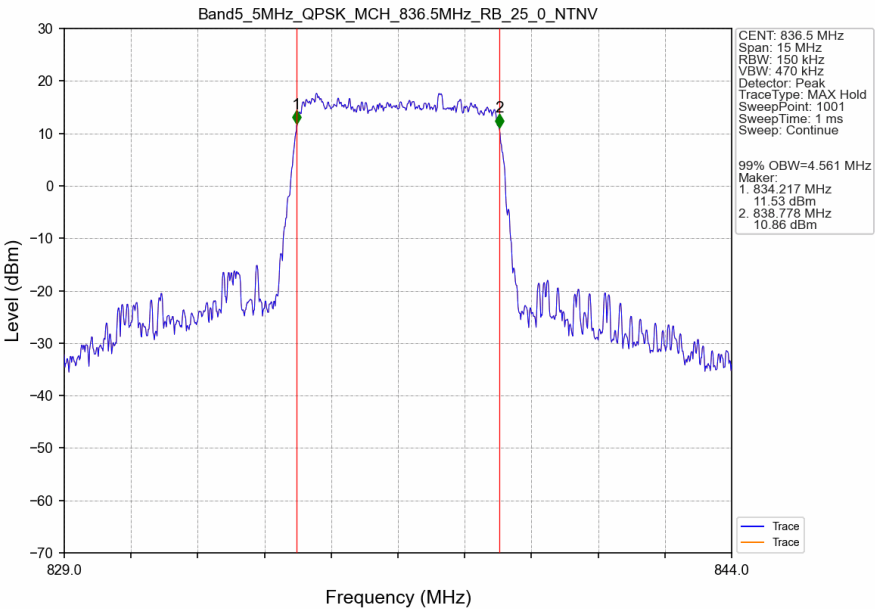
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV



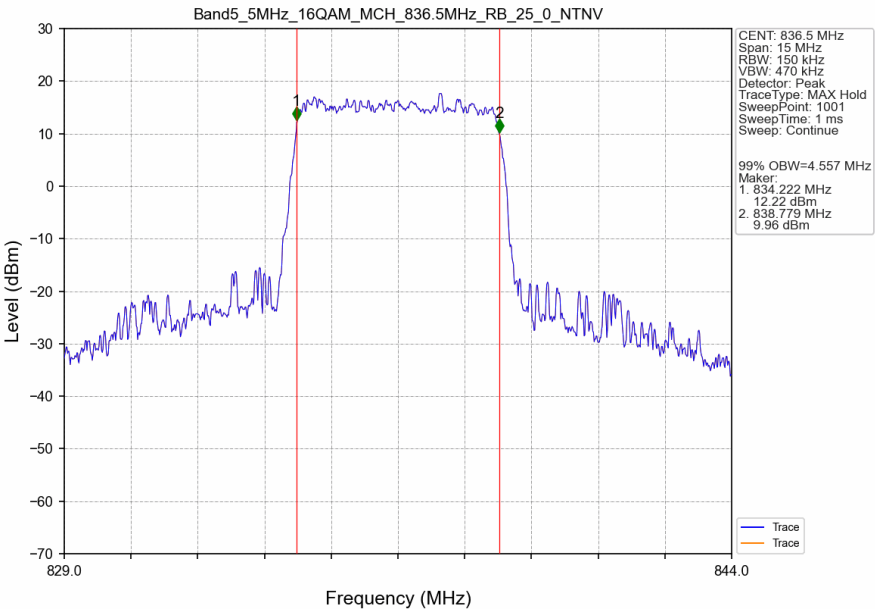
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



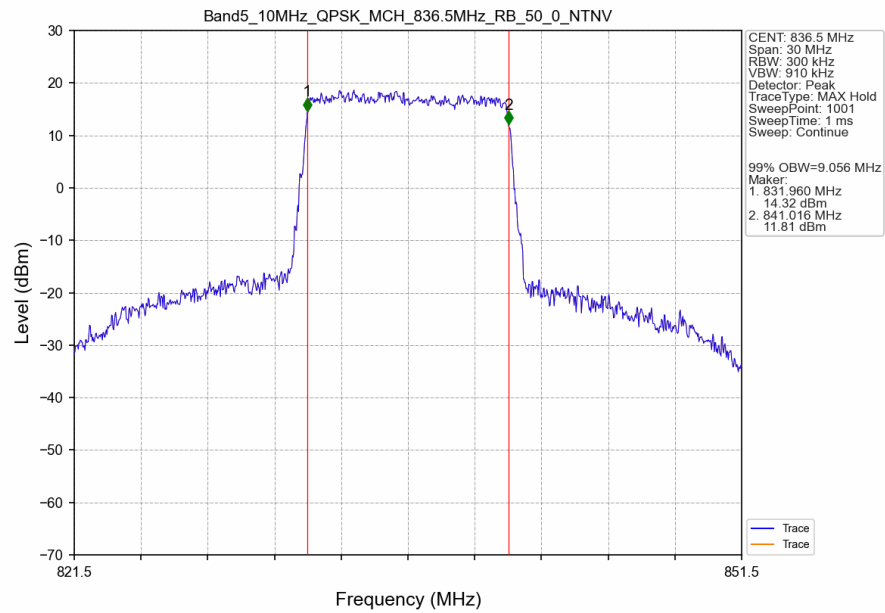
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



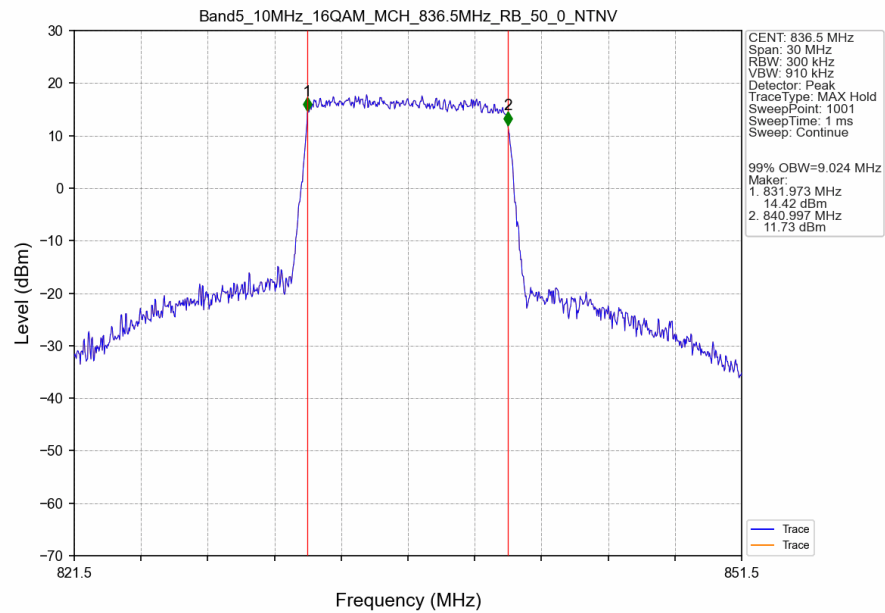
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



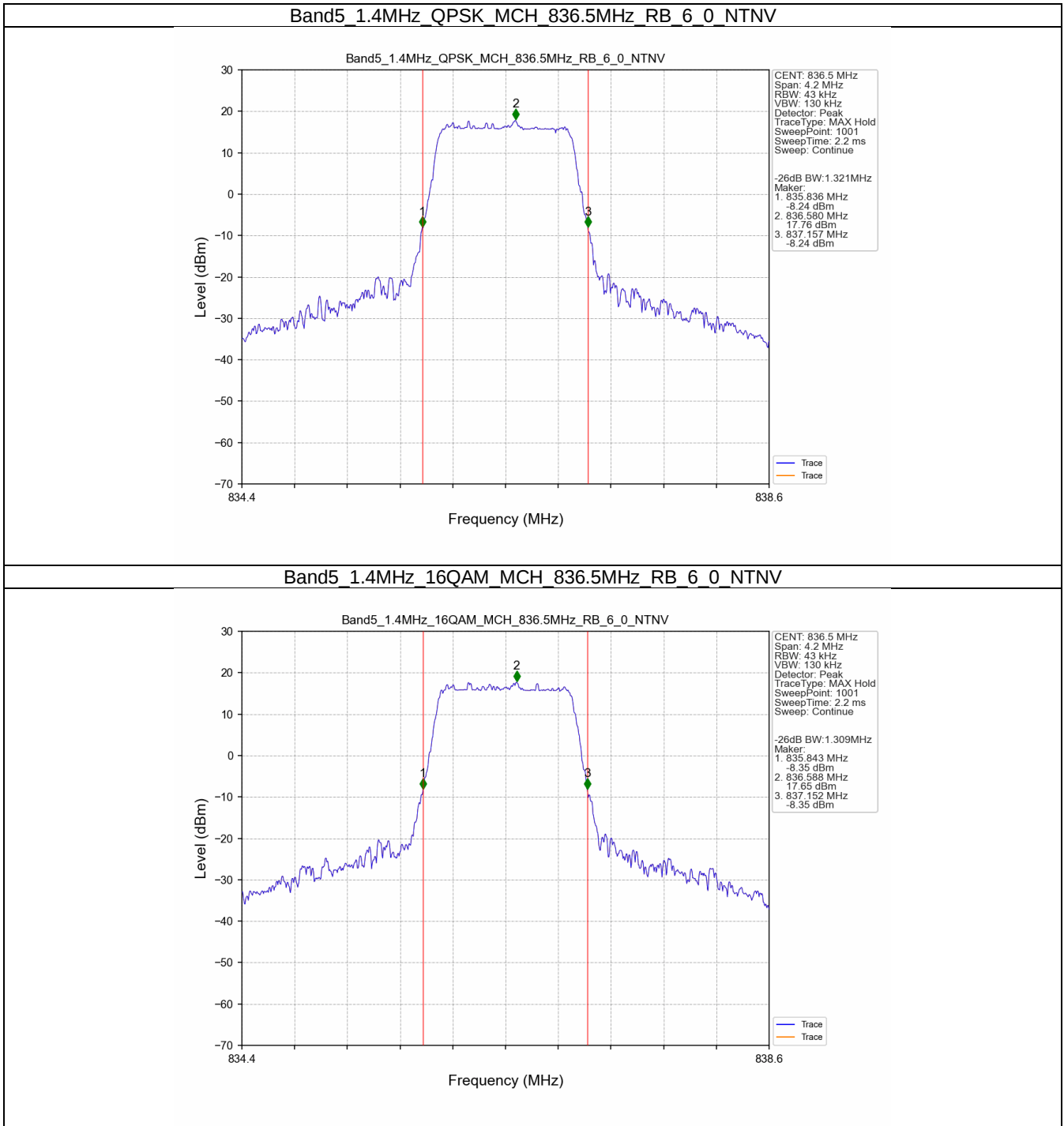
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



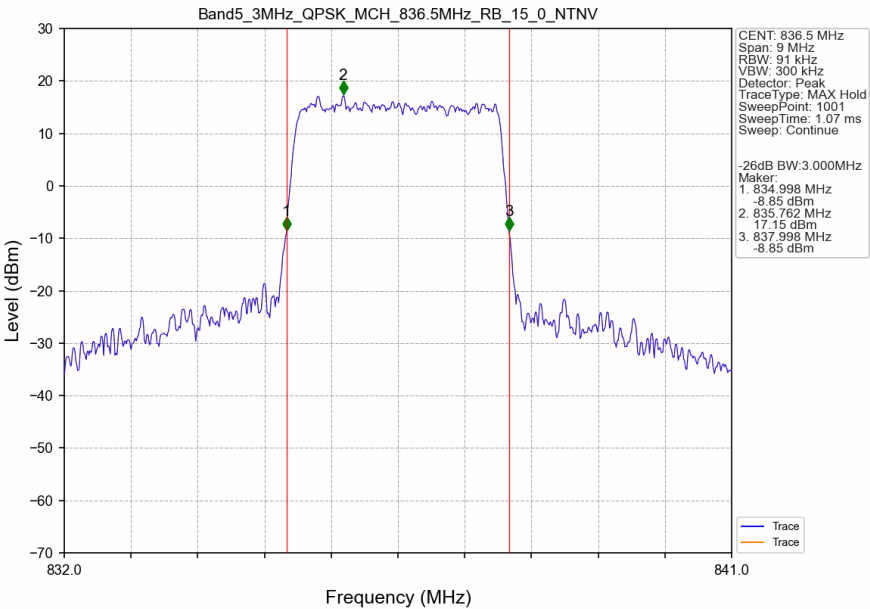
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



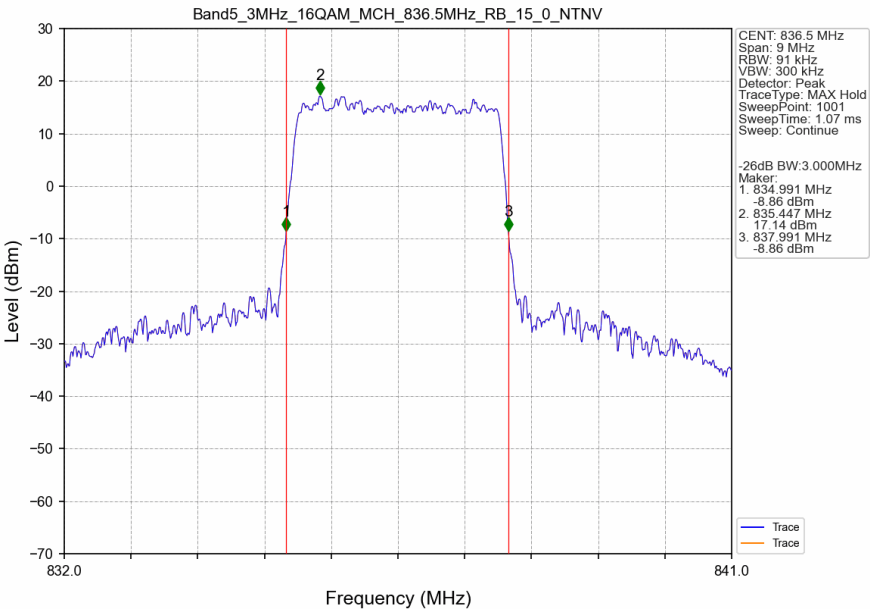
3.2.2 Band5_XDB



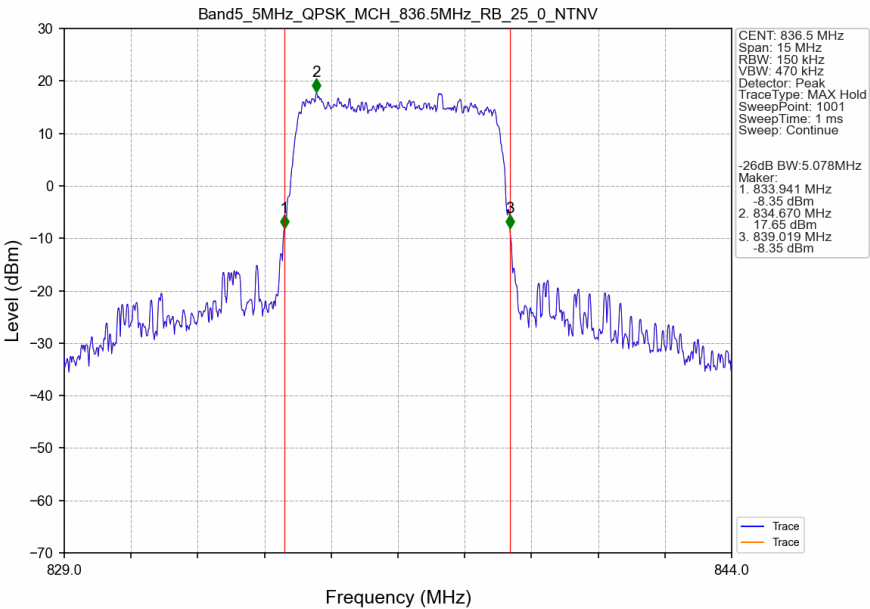
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



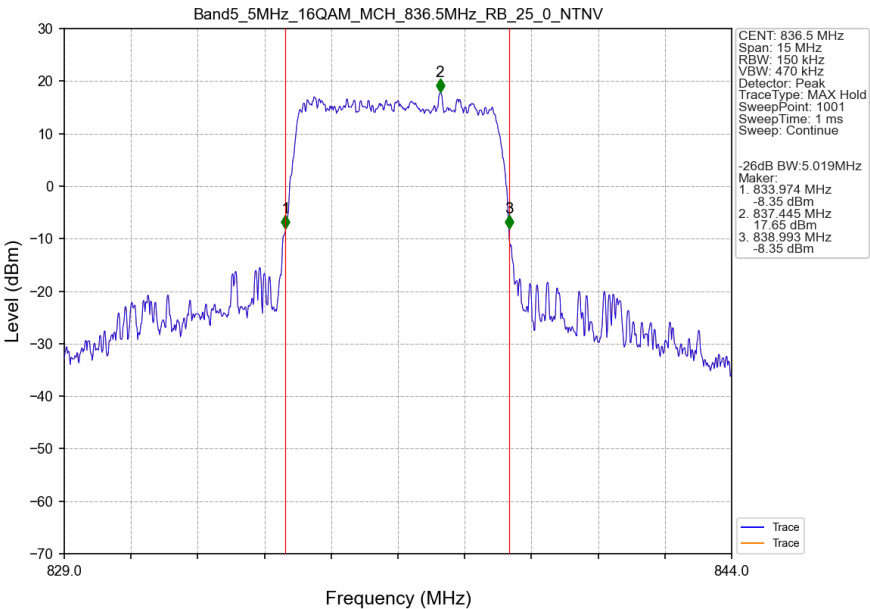
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



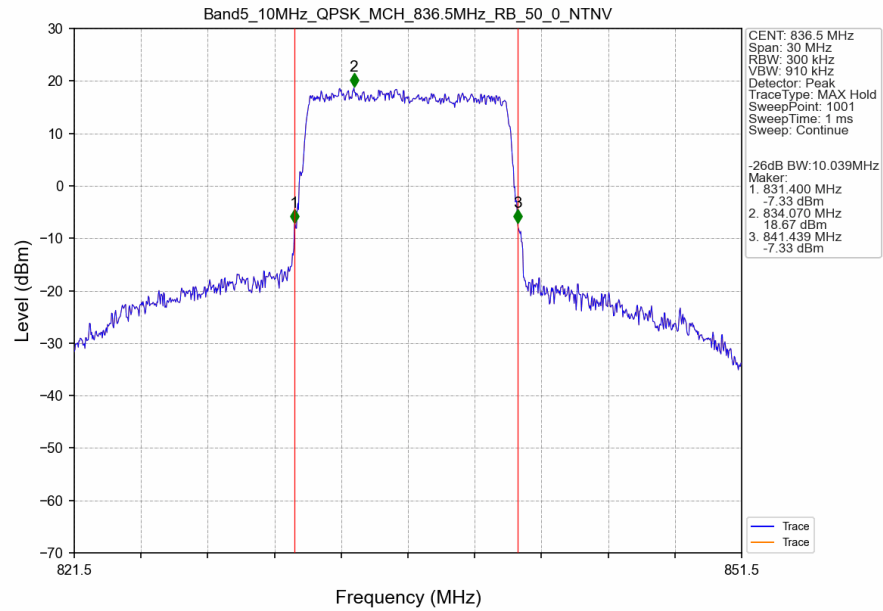
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



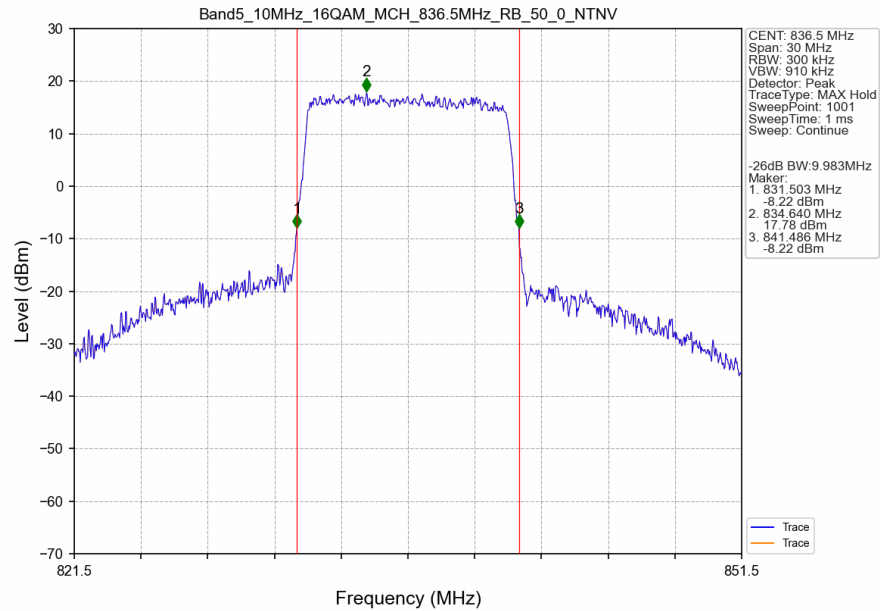
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

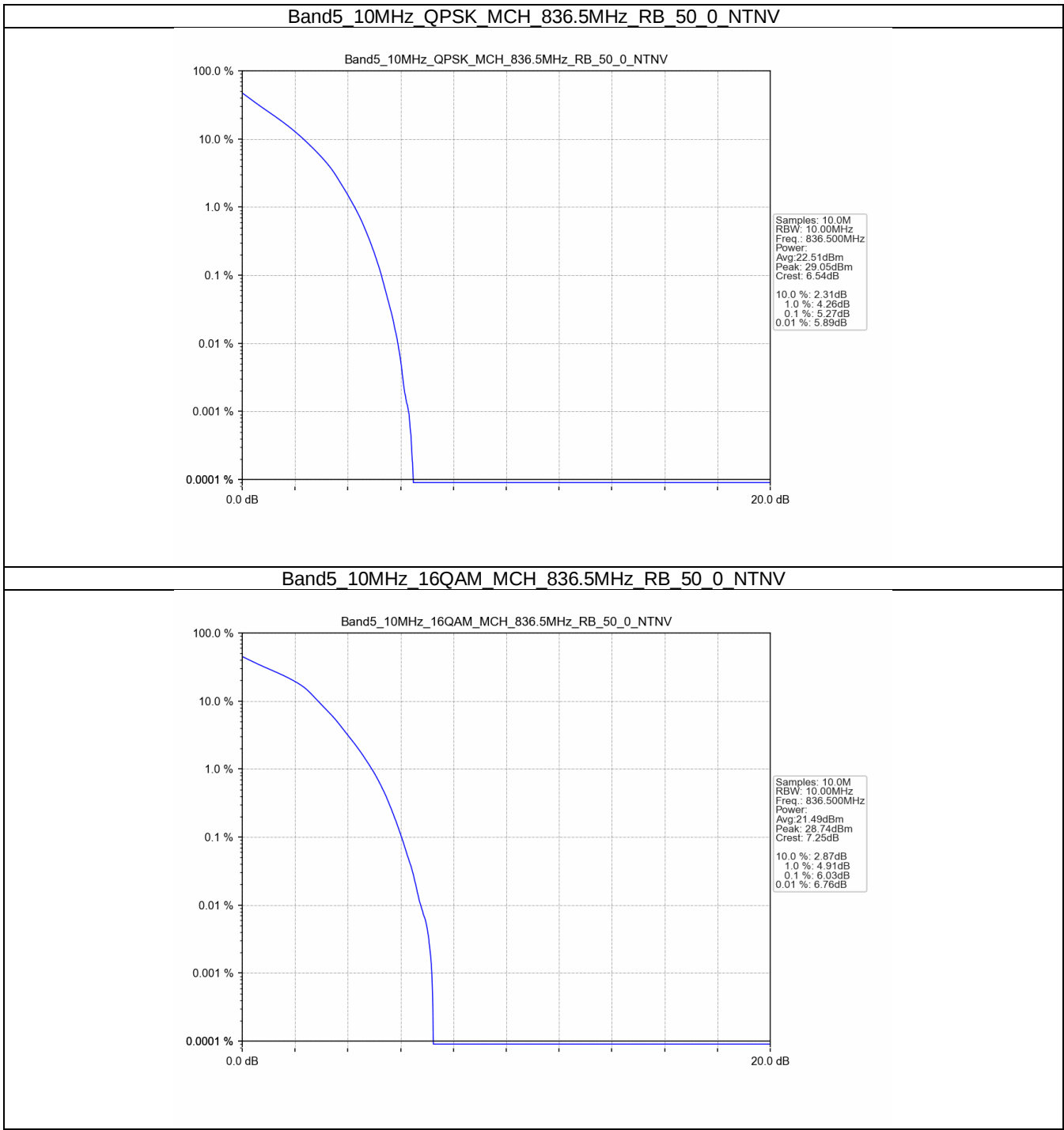
4.1 Test Result

4.1.1 B5_10MHz

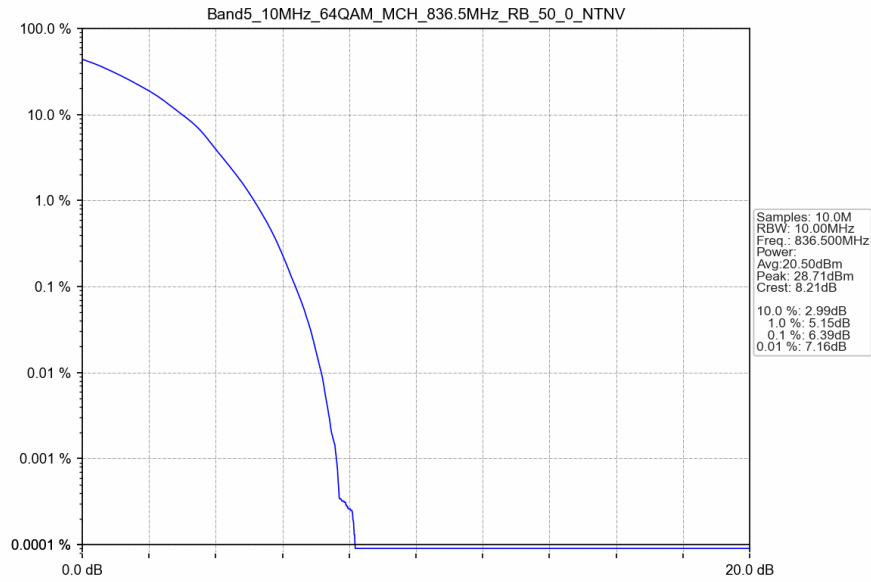
Band: 5 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	5.27	<=13	Pass
16QAM	836.5	50	0	6.03	<=13	Pass
64QAM	836.5	50	0	6.39	<=13	Pass
256QAM	836.5	50	0	6.66	<=13	Pass

4.2 Test Graph

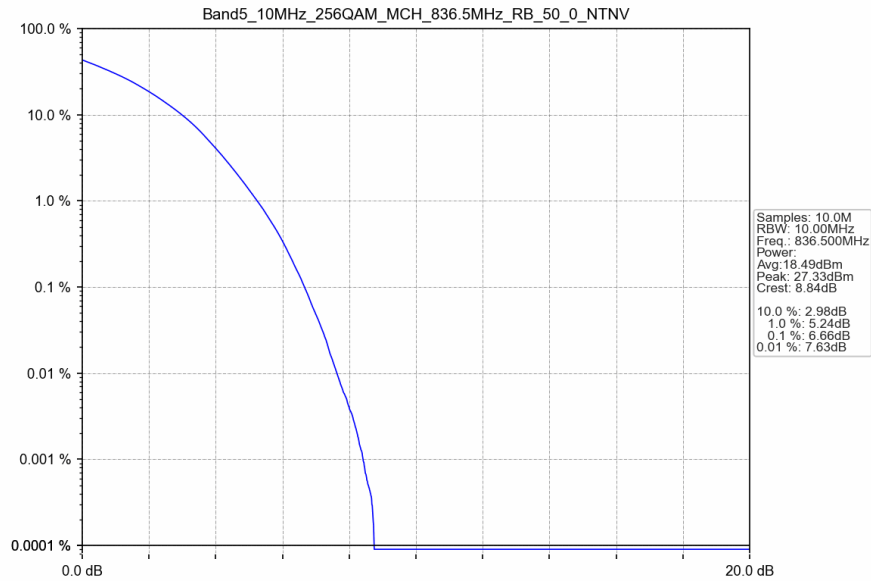
4.2.1 B5_10MHz



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 / NTV						
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 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

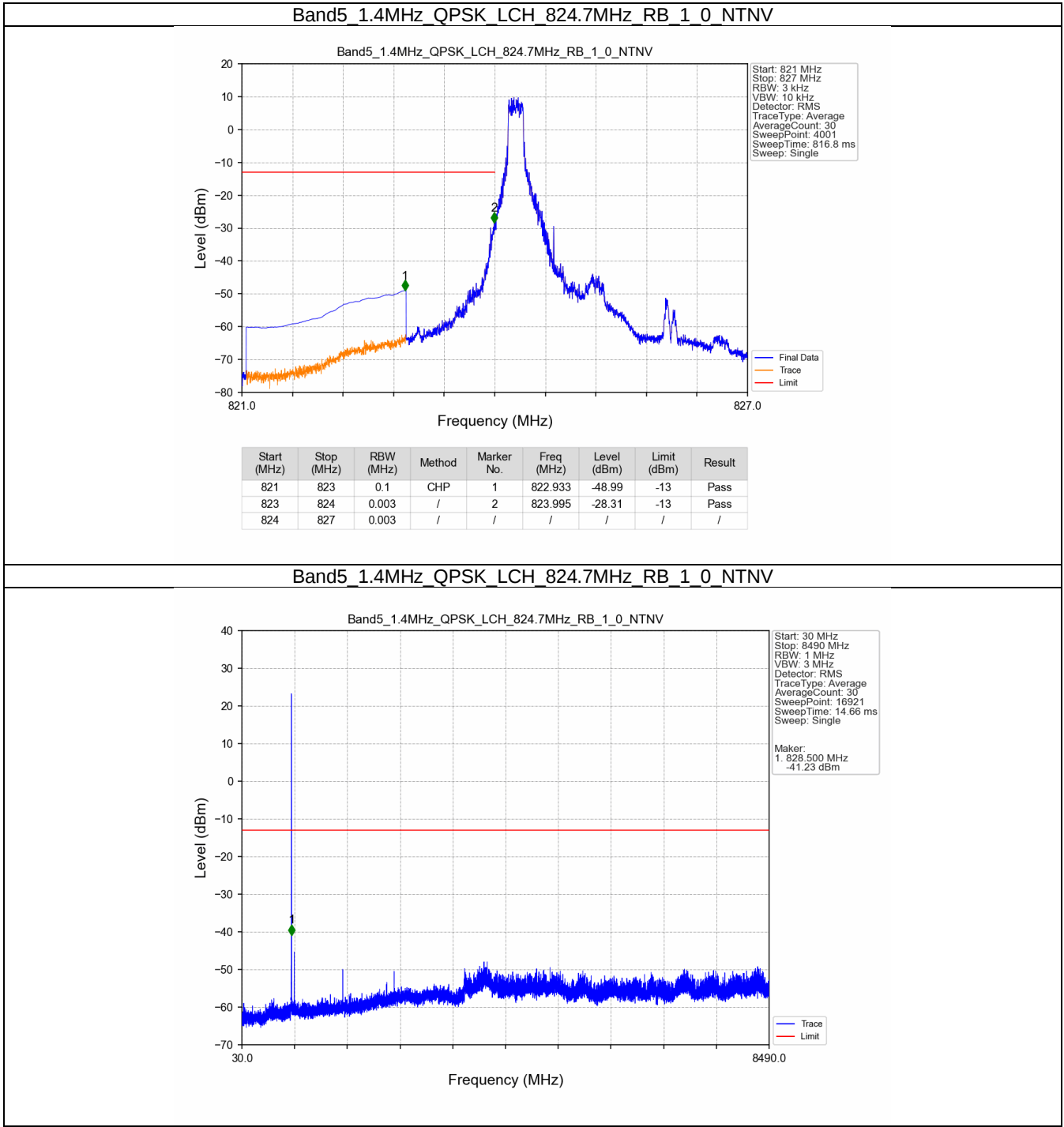
Band: 5 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B5_10MHz

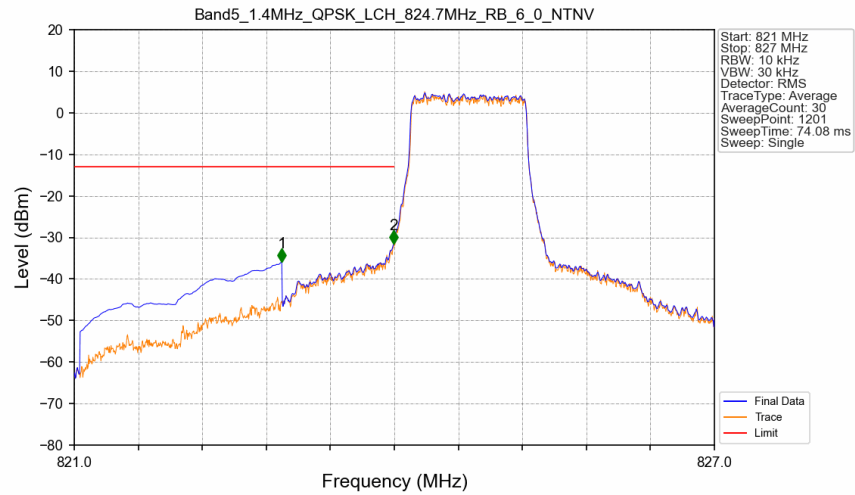
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

5.2 Test Graph

5.2.1 B5_1.4MHz

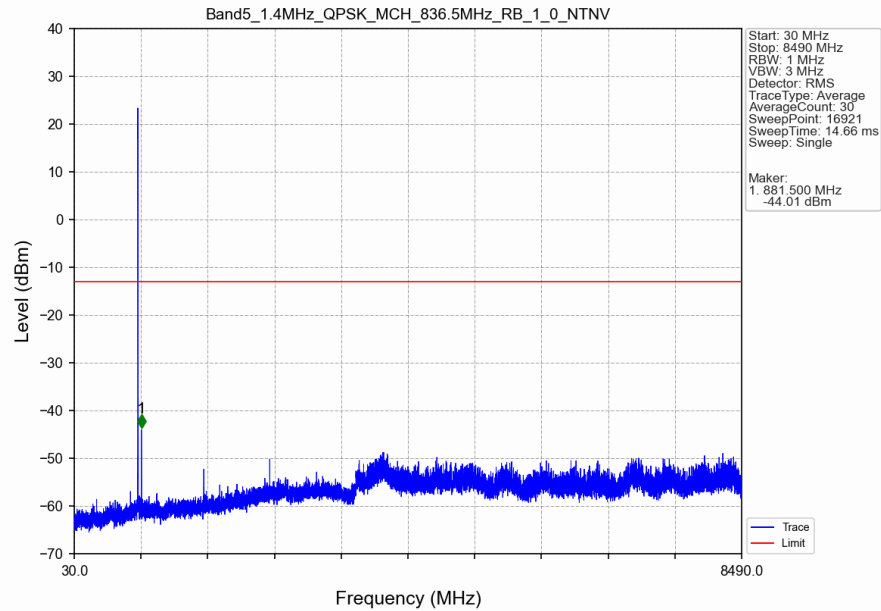


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTN

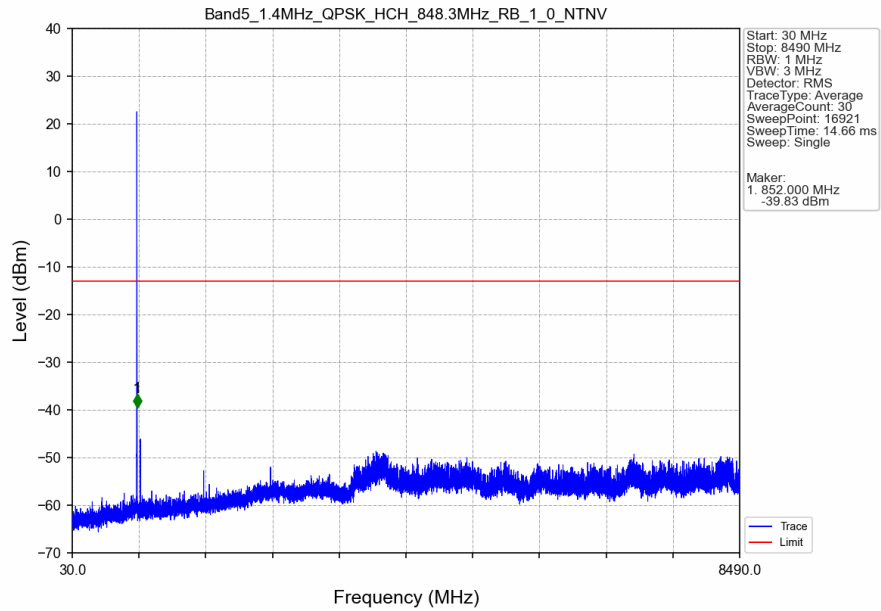


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-35.92	-13	Pass
823	824	0.013	CHP	2	823.995	-31.57	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

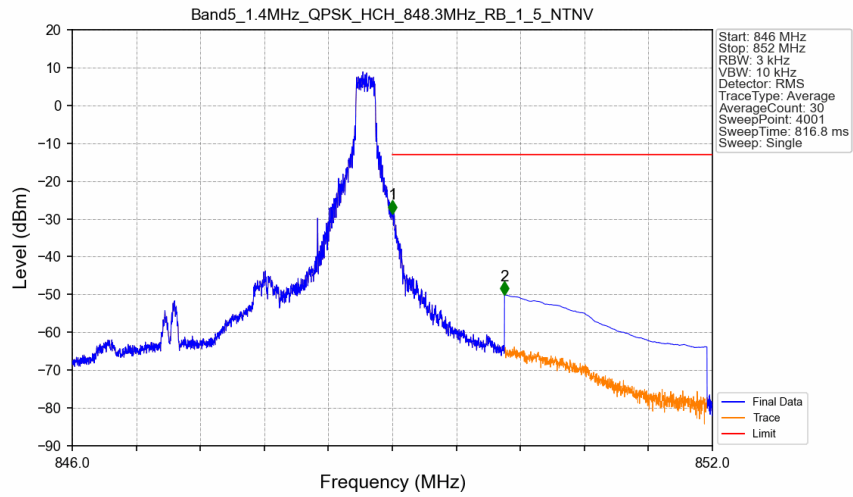
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV

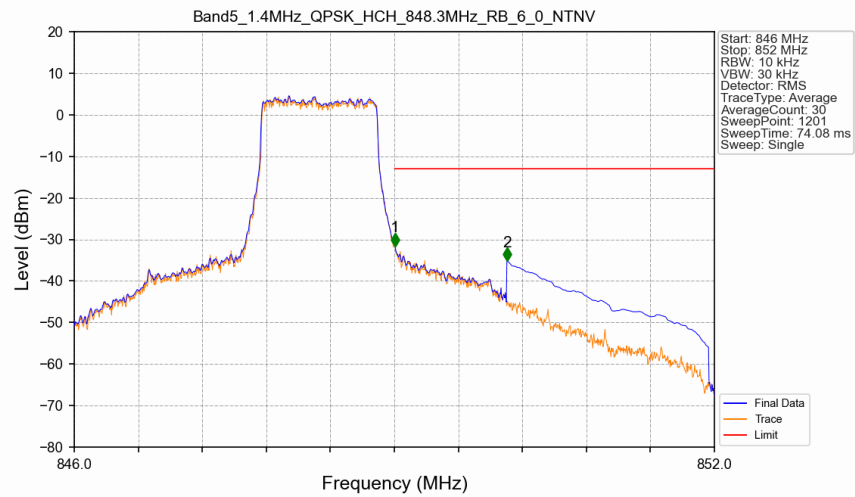


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



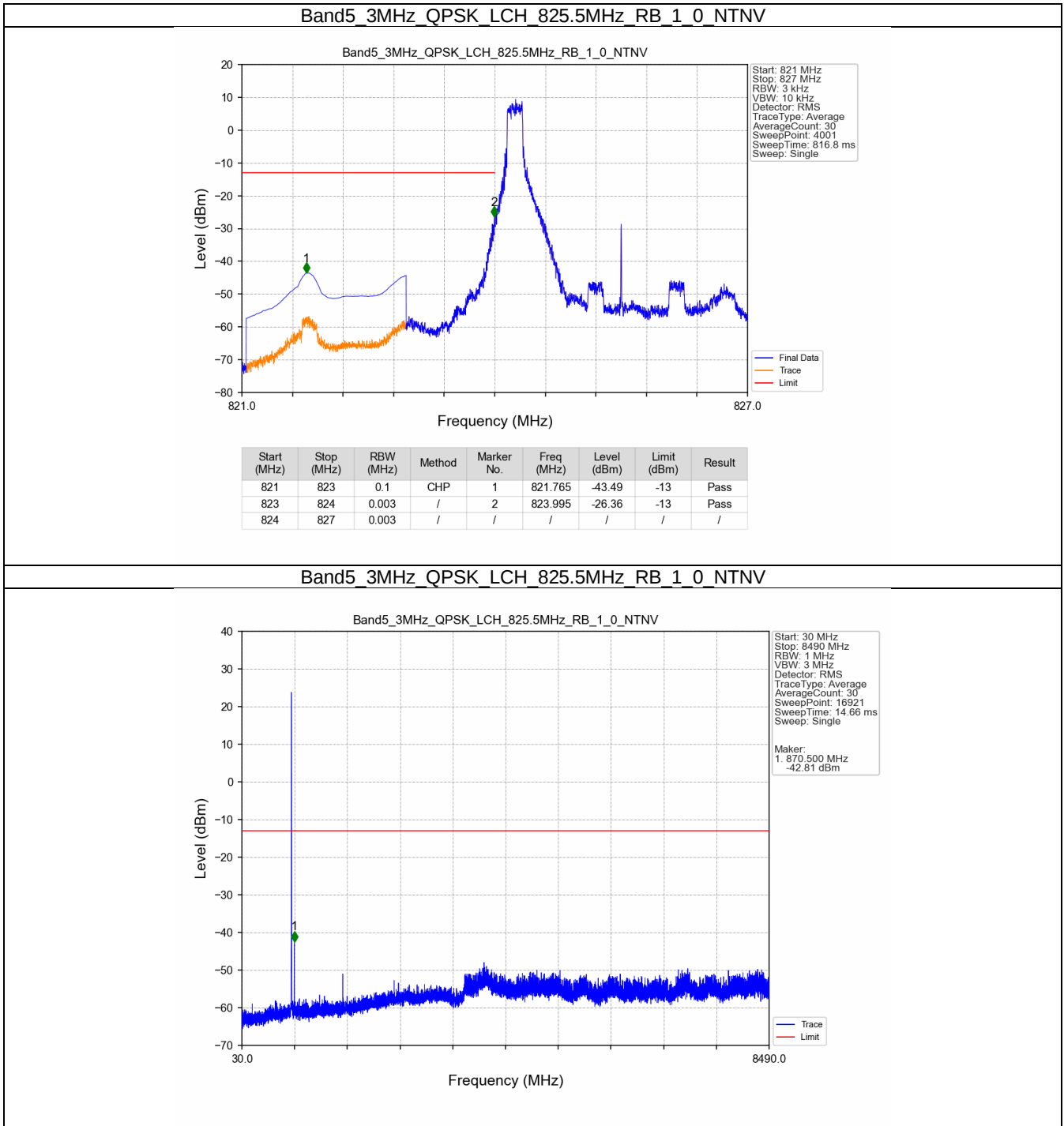
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.003	-28.53	-13	Pass
850	852	0.1	CHP	2	850.052	-50.02	-13	Pass

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV

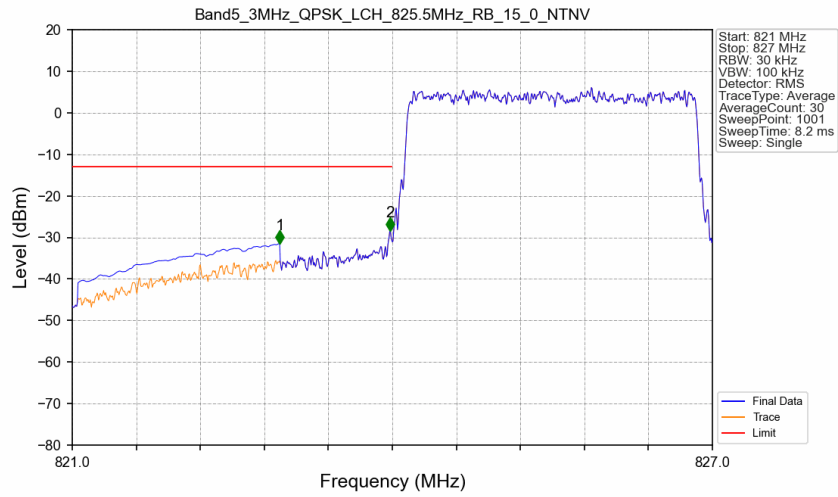


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.005	-31.58	-13	Pass
850	852	0.1	CHP	2	850.055	-35.18	-13	Pass

5.2.2 B5_3MHz

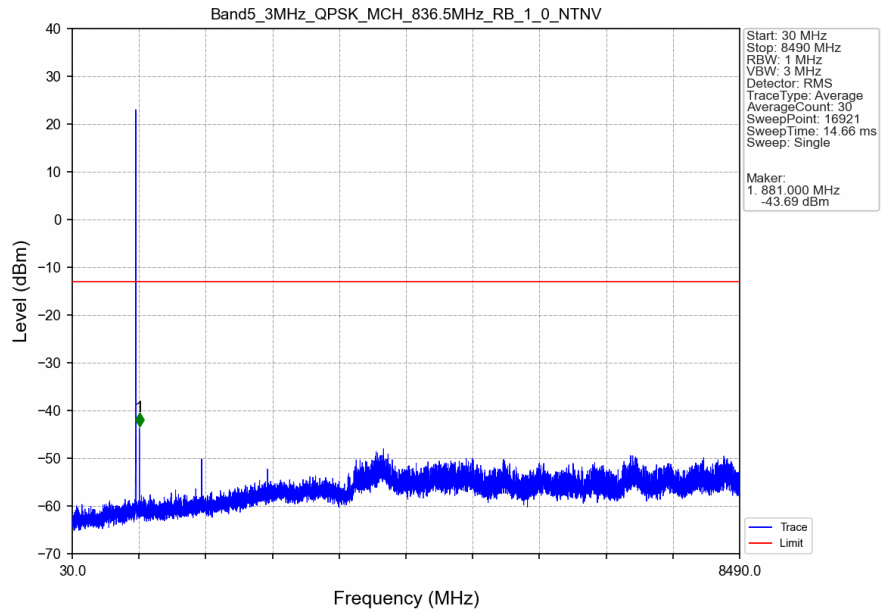


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

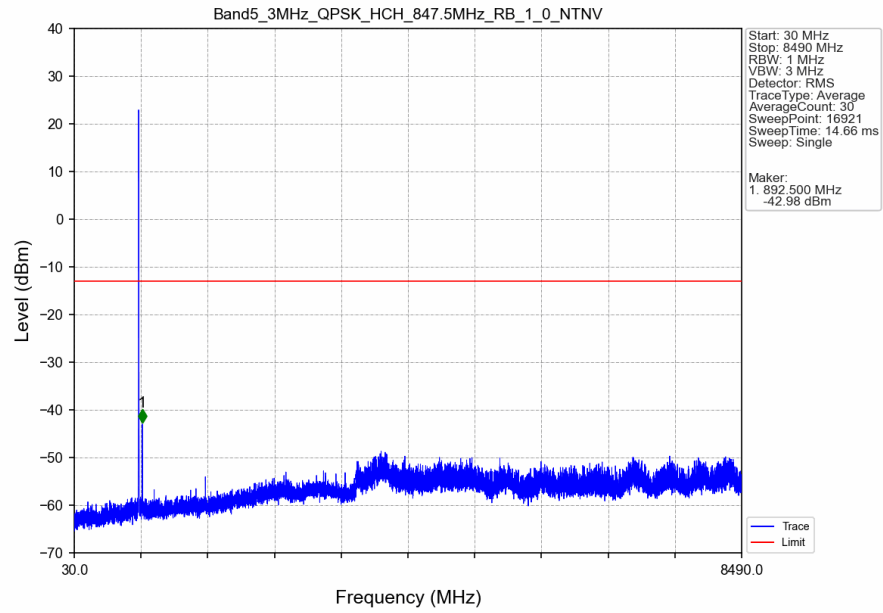


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.944	-31.47	-13	Pass
823	824	0.03	/	2	823.982	-28.38	-13	Pass
824	827	0.03	/	/	/	/	/	/

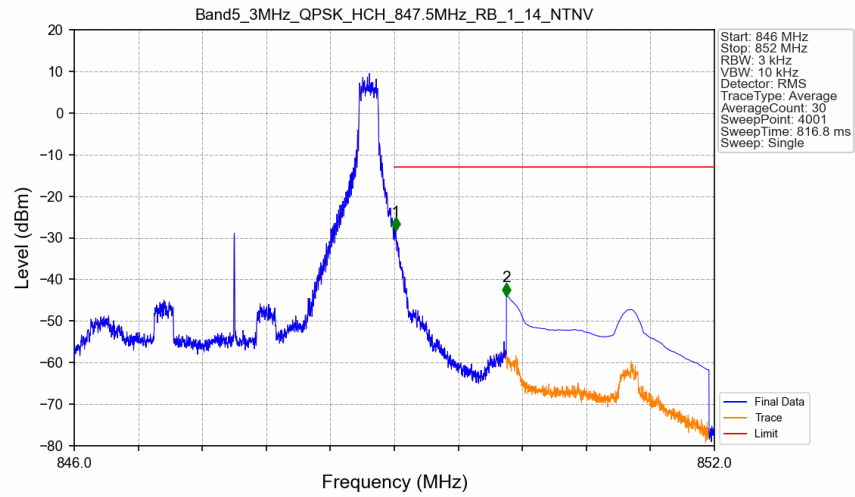
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTN

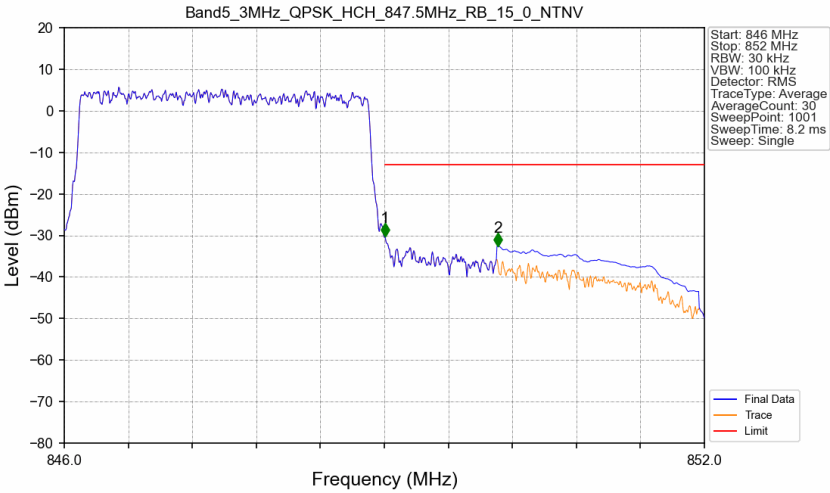


Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTN



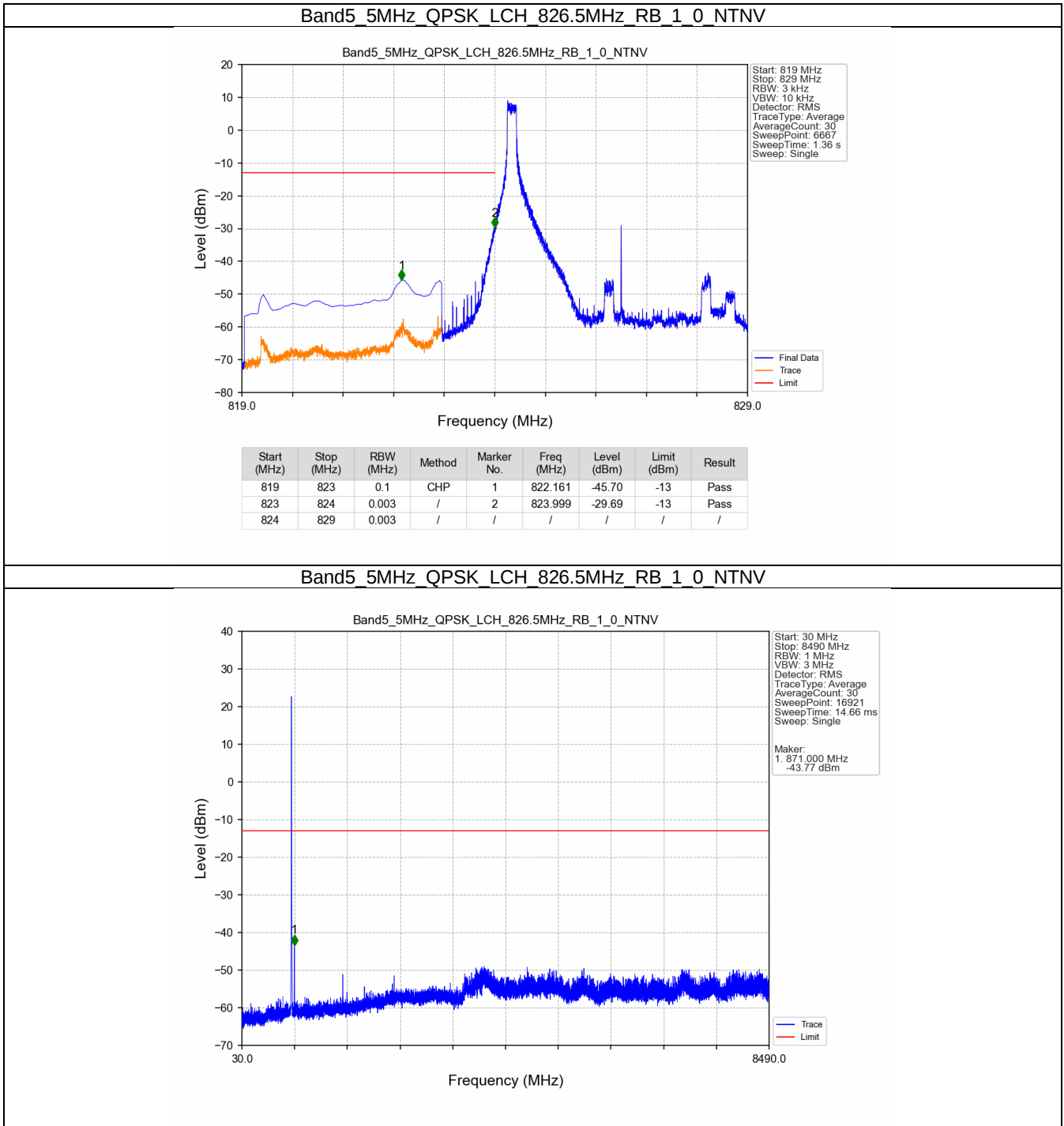
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.012	-28.17	-13	Pass
850	852	0.1	CHP	2	850.052	-43.97	-13	Pass

Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN

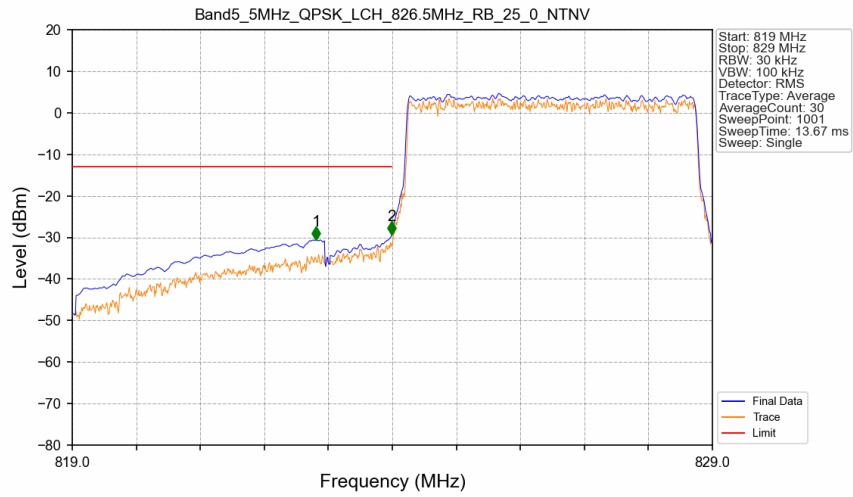


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.006	-30.29	-13	Pass
850	852	0.1	CHP	2	850.062	-32.61	-13	Pass

5.2.3 B5_5MHz

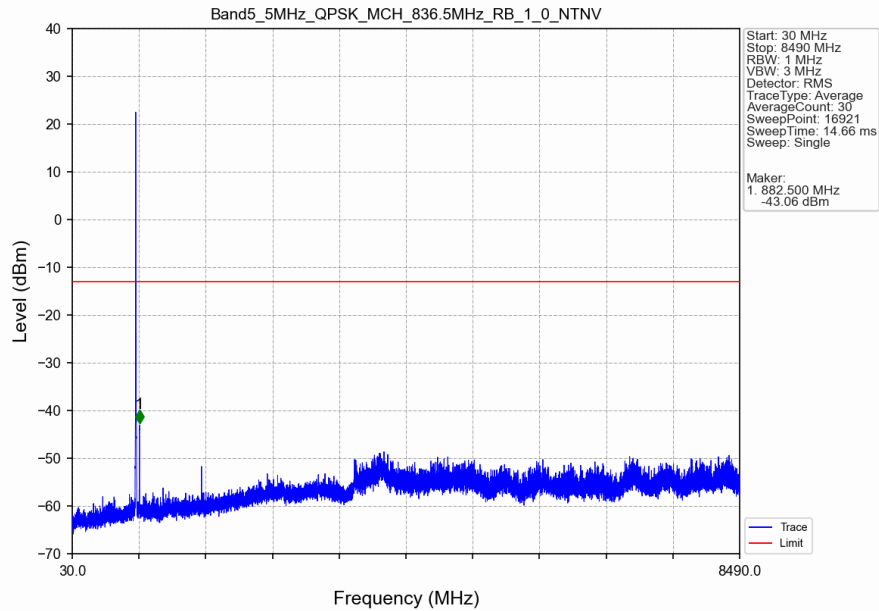


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

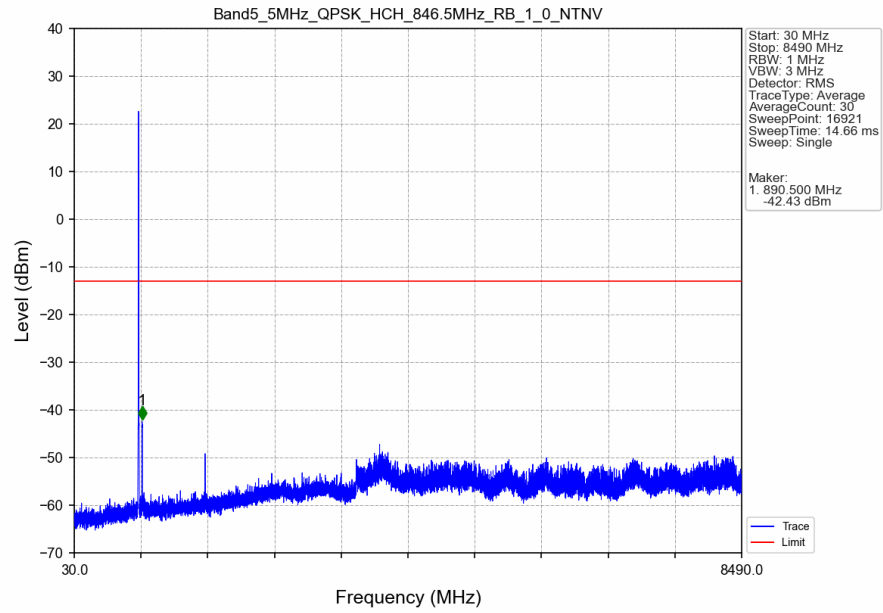


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.810	-30.60	-13	Pass
823	824	0.05	CHP	2	823.990	-29.27	-13	Pass
824	829	0.05	CHP	/	/	/	/	/

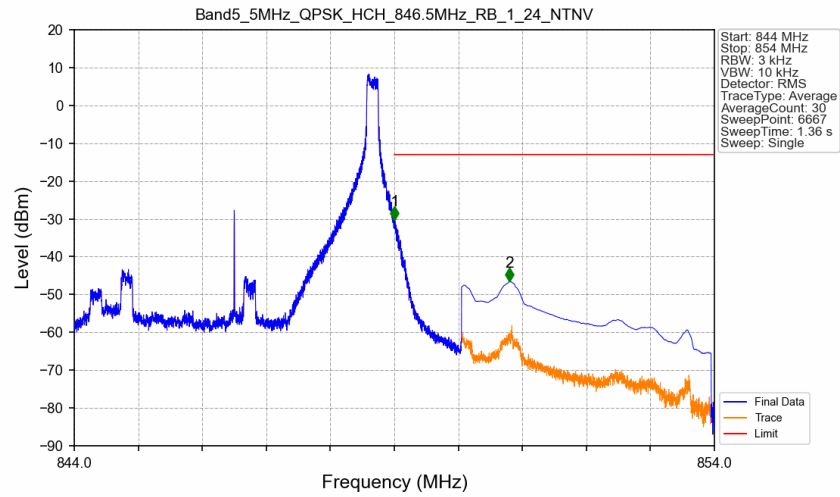
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTN

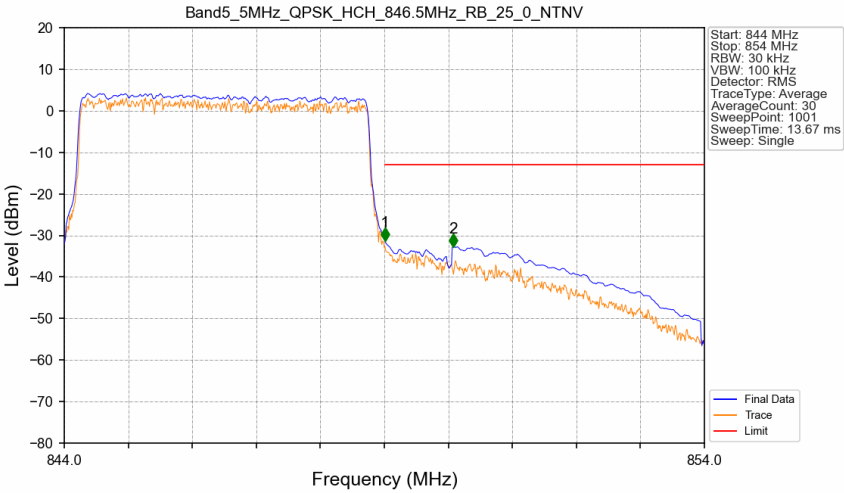


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24 NTN



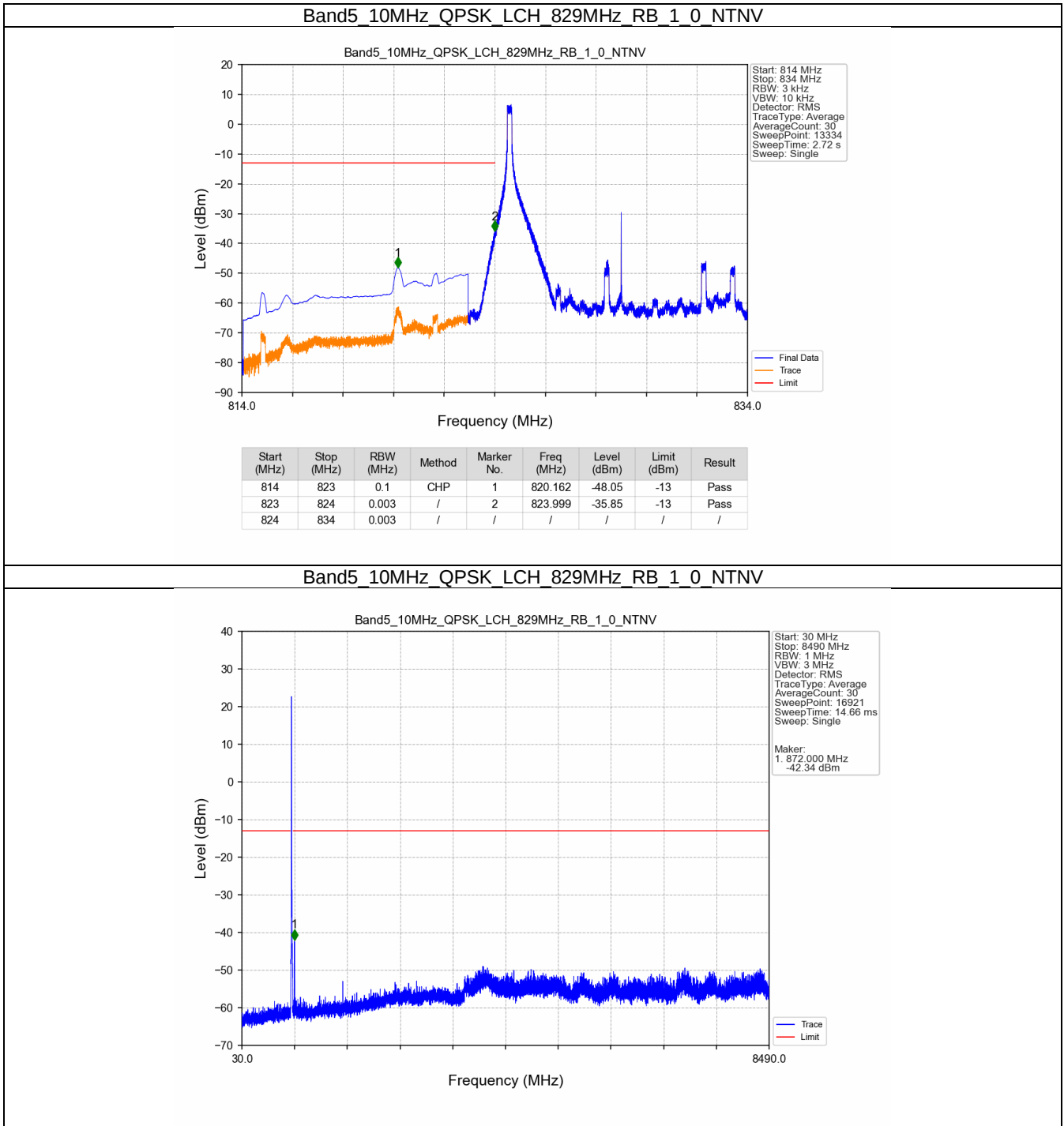
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-30.17	-13	Pass
850	854	0.1	CHP	2	850.800	-46.52	-13	Pass

Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN

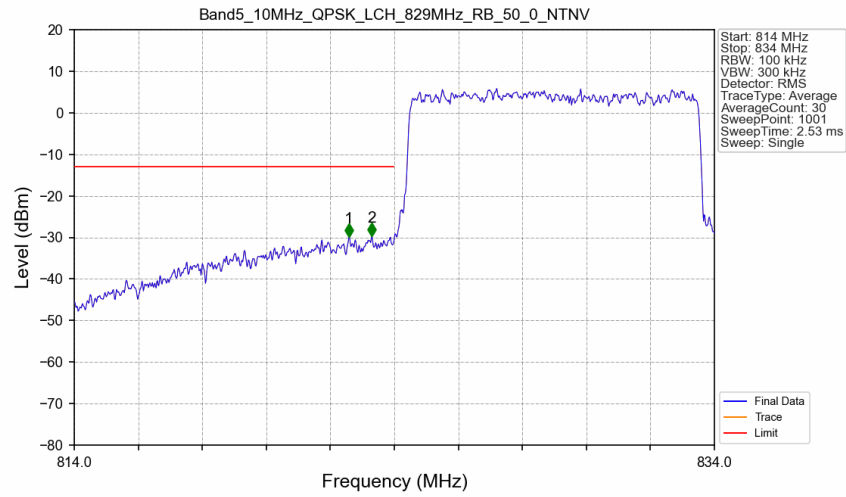


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	CHP	/	/	/	/	/
849	850	0.051	CHP	1	849.010	-31.39	-13	Pass
850	854	0.1	CHP	2	850.080	-32.72	-13	Pass

5.2.4 B5_10MHz

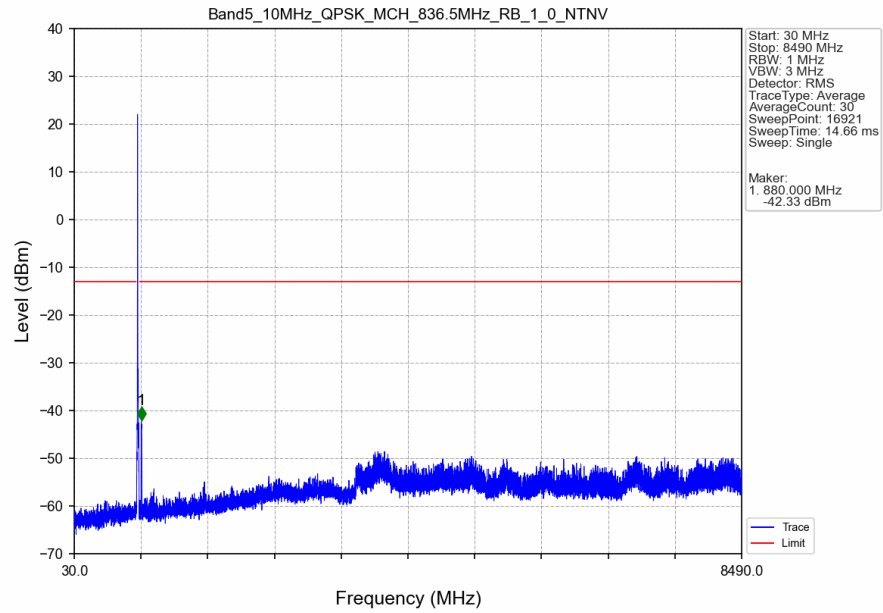


Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN

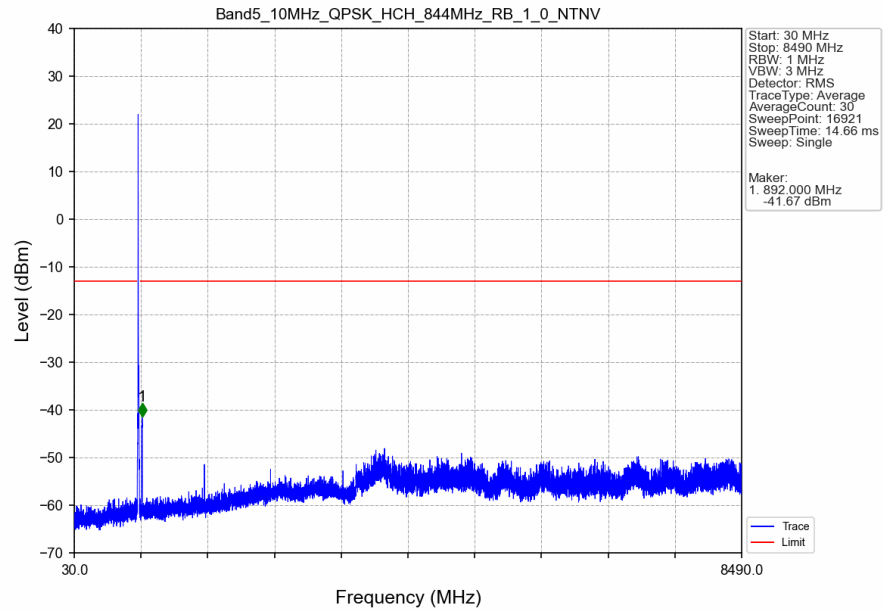


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.580	-29.78	-13	Pass
823	824	0.1	/	2	823.300	-29.63	-13	Pass
824	834	0.1	/	/	/	/	/	/

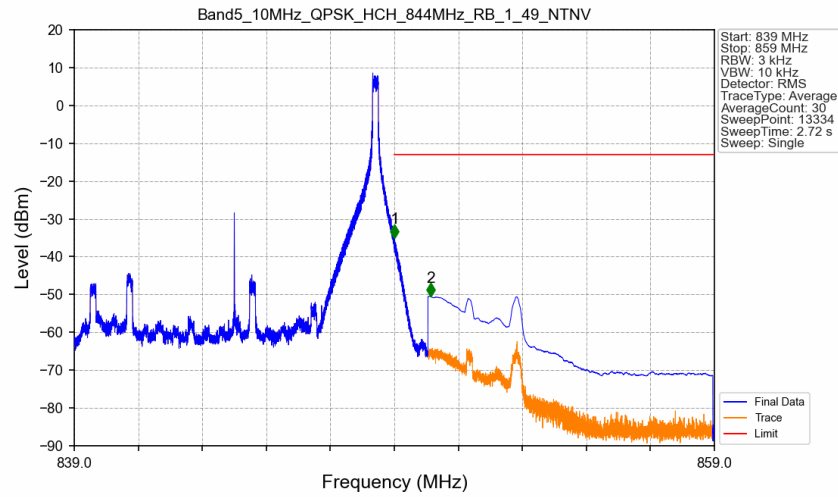
Band5 10MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV

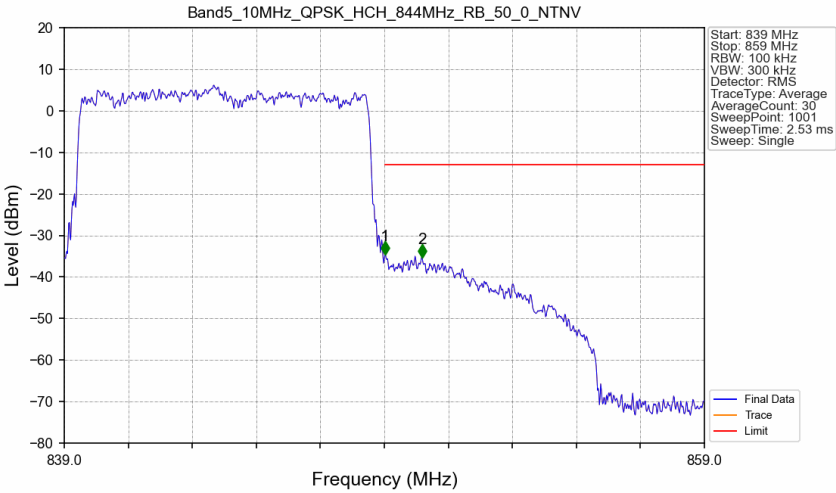


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



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	849.011	-34.94	-13	Pass
850	859	0.1	CHP	2	850.138	-50.45	-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	0.1	/	/	/	/	/	/
849	850	0.1	/	1	849.020	-34.66	-13	Pass
850	859	0.1	/	2	850.180	-35.27	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 5 ANT13-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	-64.92	-13	-51.92	-67.8	2.62	5.5	Horizontal	Pass
2473.5	-63.53	-13	-50.53	-66.23	3.06	5.76	Horizontal	Pass
3298.0	-61.37	-13	-48.37	-65.73	3.3	7.66	Horizontal	Pass
1649.0	-65.52	-13	-52.52	-68.4	2.62	5.5	Vertical	Pass
2473.5	-64.24	-13	-51.24	-66.94	3.06	5.76	Vertical	Pass
3298.0	-61.51	-13	-48.51	-65.87	3.3	7.66	Vertical	Pass

LTE Band 5 ANT13-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	-66.51	-13	-53.51	-69.35	2.63	5.47	Horizontal	Pass
2496.0	-63.51	-13	-50.51	-66.24	3.08	5.81	Horizontal	Pass
3328.0	-61.77	-13	-48.77	-66.2	3.31	7.74	Horizontal	Pass
1664.0	-66.75	-13	-53.75	-69.59	2.63	5.47	Vertical	Pass
2496.0	-63.21	-13	-50.21	-65.94	3.08	5.81	Vertical	Pass
3328.0	-62.61	-13	-49.61	-67.04	3.31	7.74	Vertical	Pass

LTE Band 5 ANT13-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	-66.69	-13	-53.69	-69.49	2.63	5.43	Horizontal	Pass
2518.5	-64.06	-13	-51.06	-66.84	3.08	5.86	Horizontal	Pass
3358.0	-61.88	-13	-48.88	-66.37	3.33	7.82	Horizontal	Pass
1679.0	-66.57	-13	-53.57	-69.37	2.63	5.43	Vertical	Pass
2518.5	-63.69	-13	-50.69	-66.47	3.08	5.86	Vertical	Pass
3358.0	-61.83	-13	-48.83	-66.32	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	-62.01	-25	-37.01	-67.58	4.57	10.14	Horizontal	Pass
7503.0	-60.53	-25	-35.53	-67.33	4.94	11.74	Horizontal	Pass
10004.0	-56.86	-25	-31.86	-64.43	5.46	13.03	Horizontal	Pass
5002.0	-61.63	-25	-36.63	-67.2	4.57	10.14	Vertical	Pass
7503.0	-60.32	-25	-35.32	-67.12	4.94	11.74	Vertical	Pass
10004.0	-56.98	-25	-31.98	-64.55	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	-62.66	-25	-37.66	-68.24	4.59	10.17	Horizontal	Pass
7578.0	-60.37	-25	-35.37	-67.25	4.95	11.83	Horizontal	Pass
10104.0	-57.06	-25	-32.06	-64.63	5.48	13.05	Horizontal	Pass
5052.0	-62.73	-25	-37.73	-68.31	4.59	10.17	Vertical	Pass
7578.0	-60.2	-25	-35.2	-67.08	4.95	11.83	Vertical	Pass
10104.0	-57.08	-25	-32.08	-64.65	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	-63.78	-25	-38.78	-69.38	4.6	10.2	Horizontal	Pass
7653.0	-60.57	-25	-35.57	-67.54	4.95	11.92	Horizontal	Pass
10204.0	-57.56	-25	-32.56	-65.14	5.49	13.07	Horizontal	Pass
5102.0	-63.61	-25	-38.61	-69.21	4.6	10.2	Vertical	Pass
7653.0	-60.15	-25	-35.15	-67.12	4.95	11.92	Vertical	Pass
10204.0	-57.77	-25	-32.77	-65.35	5.49	13.07	Vertical	Pass