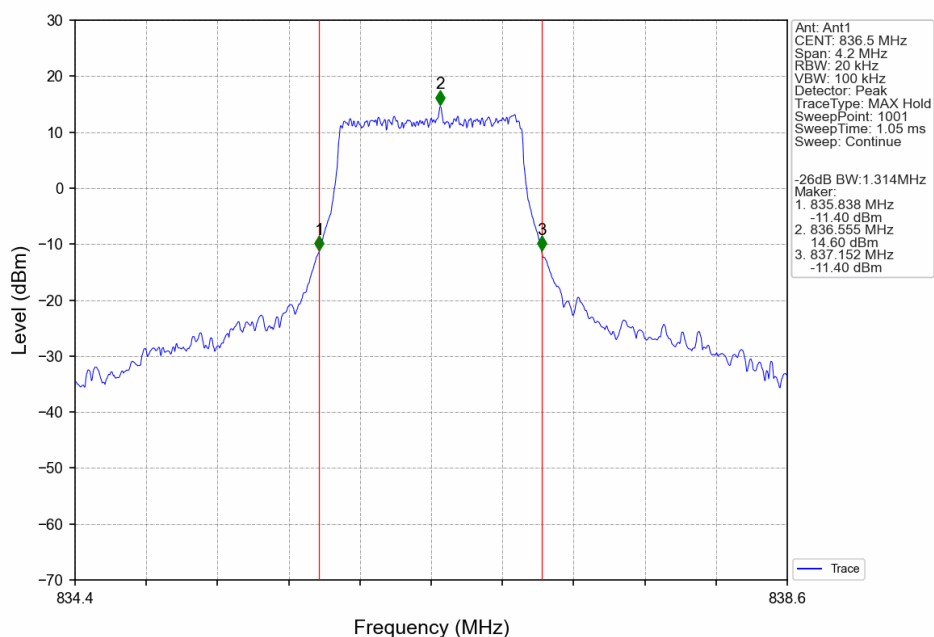
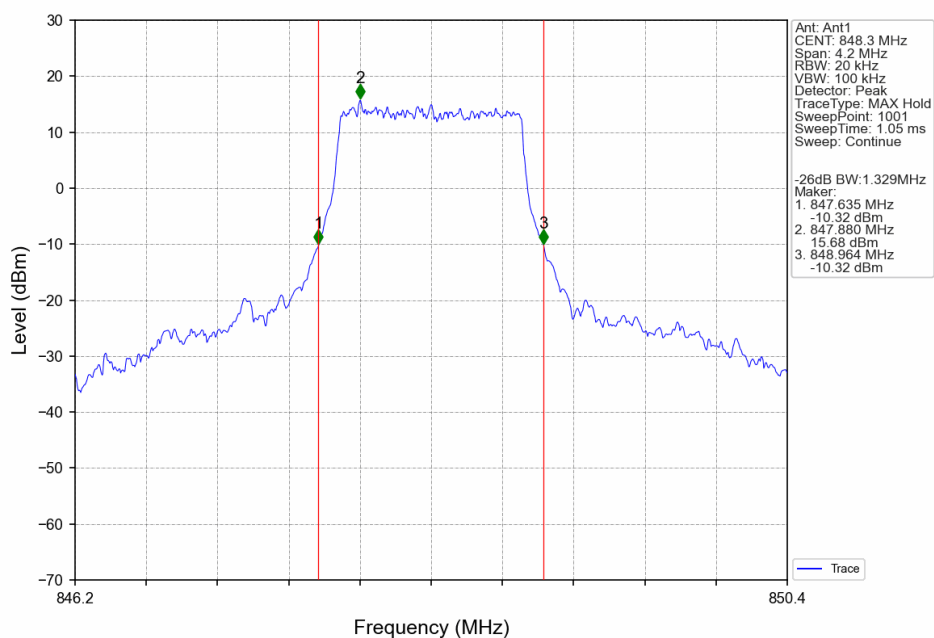


Test Report No.: RF260703B001

Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

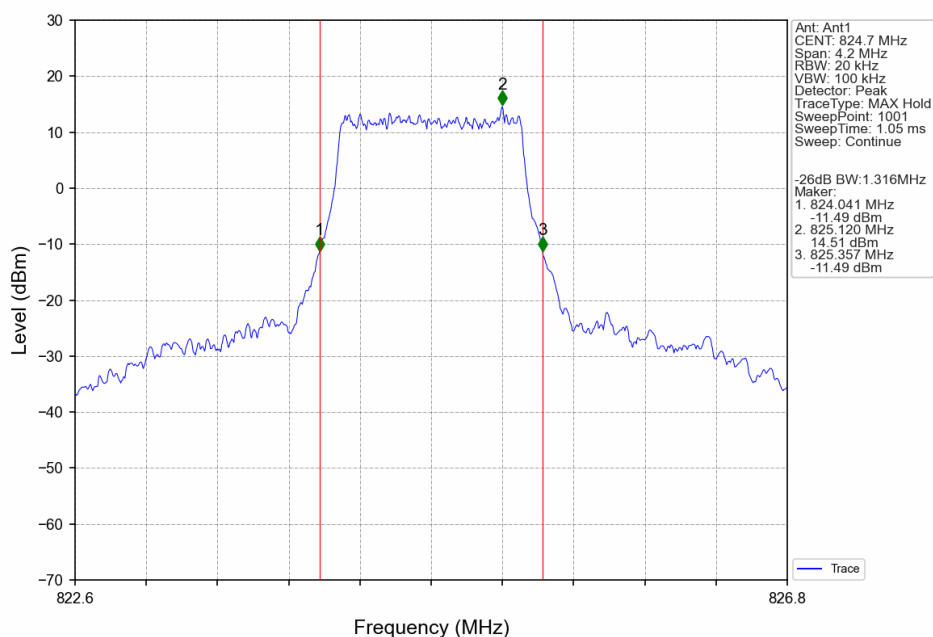


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

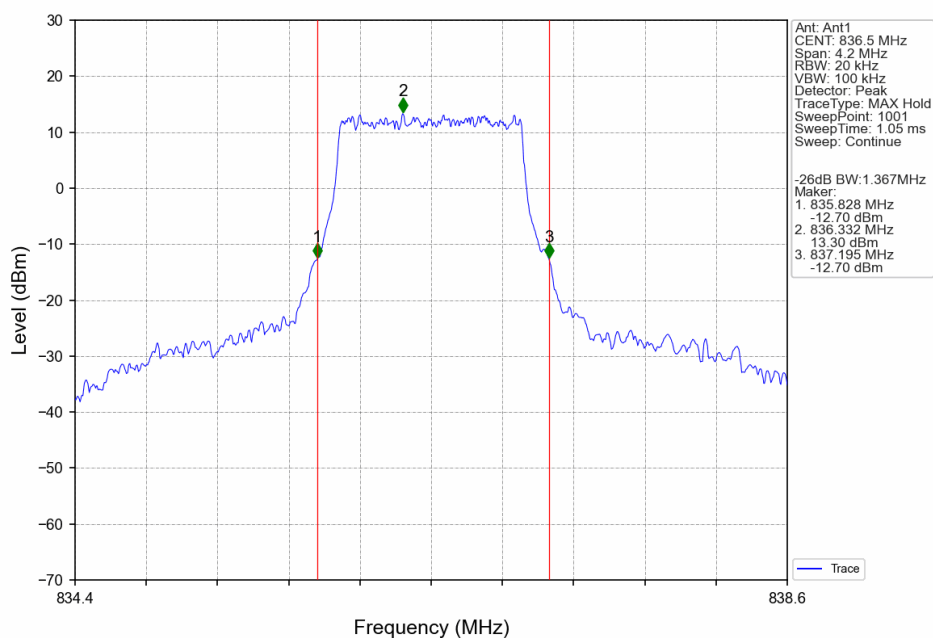


Test Report No.: RF260703B001

Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_6_0_NTNV

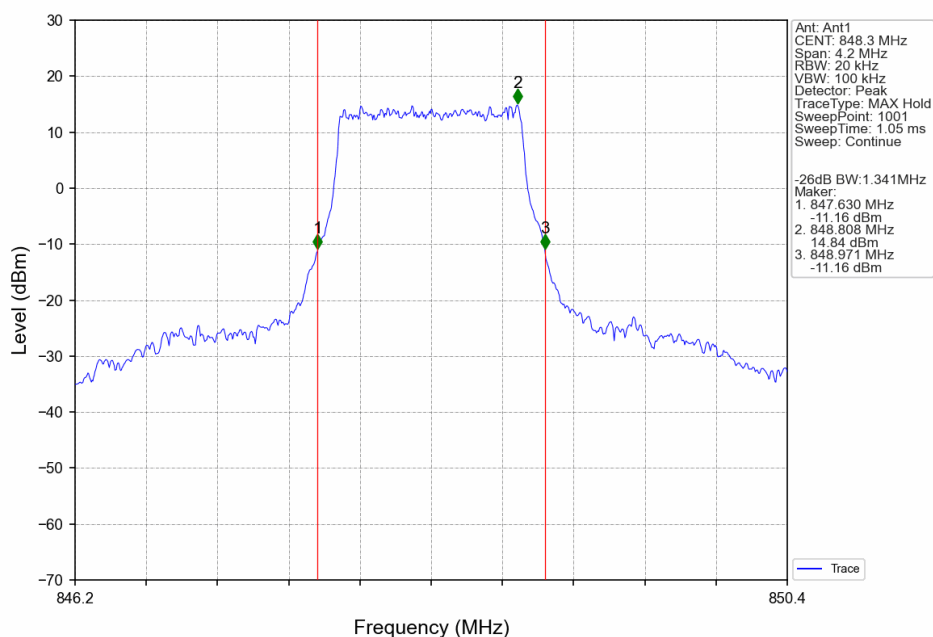


Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV

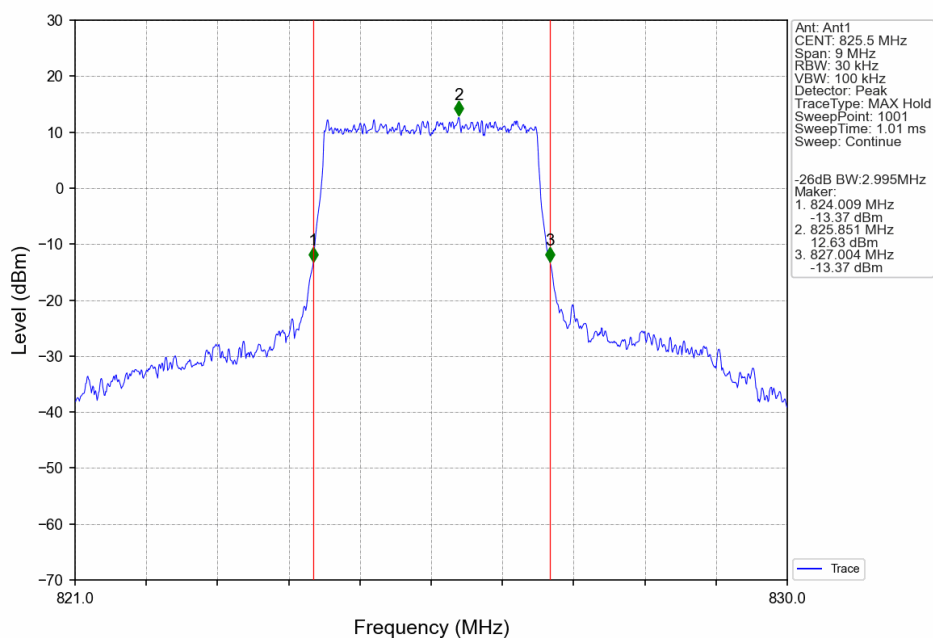


Test Report No.: RF260703B001

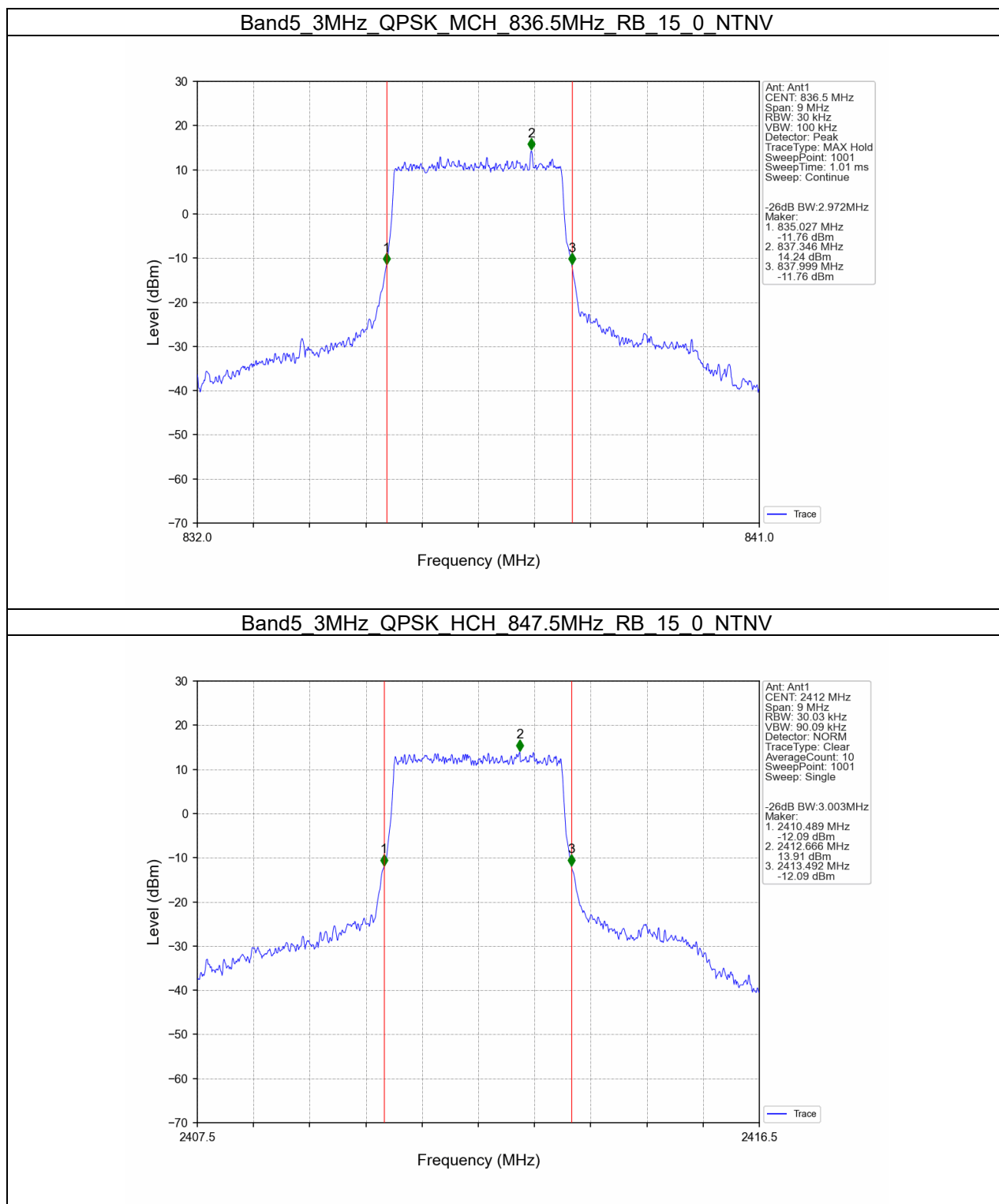
Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTNV



Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

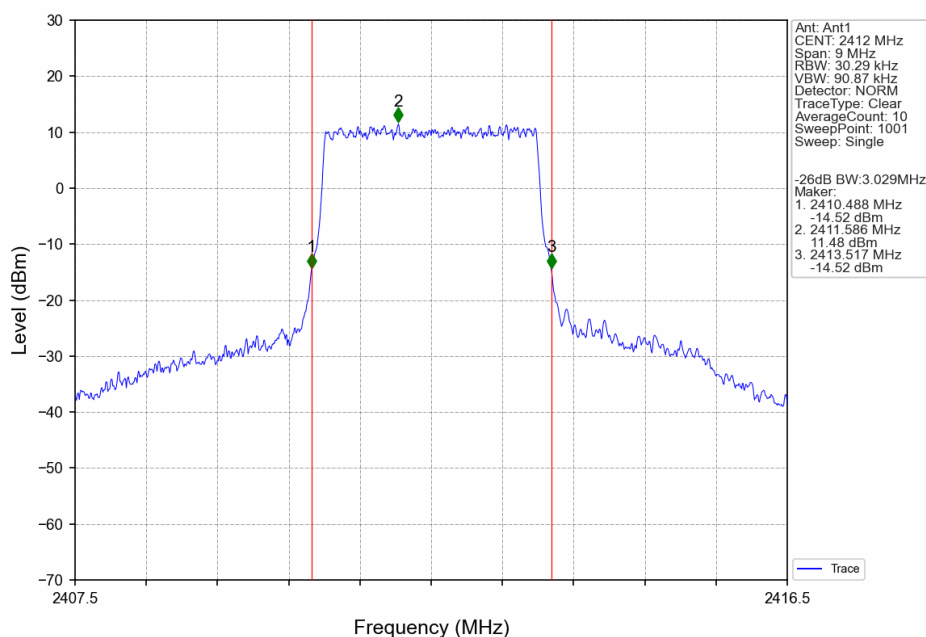


Test Report No.: RF260703B001

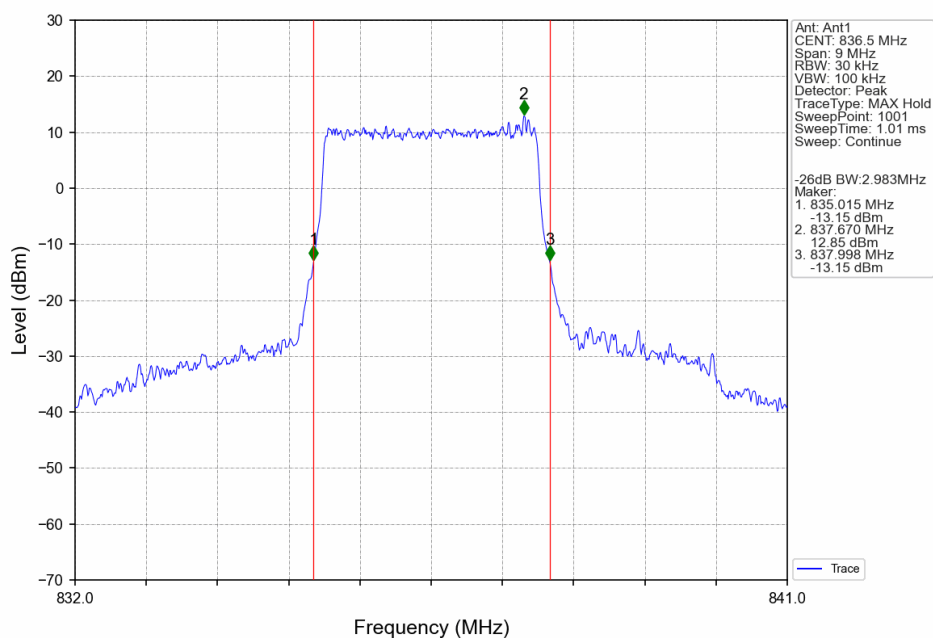


Test Report No.: RF260703B001

Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

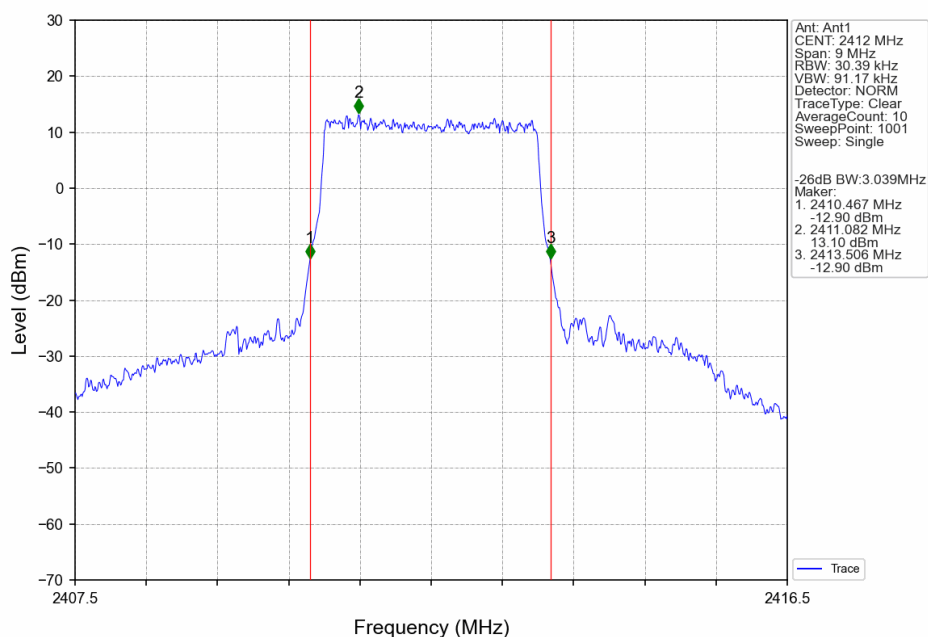


Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

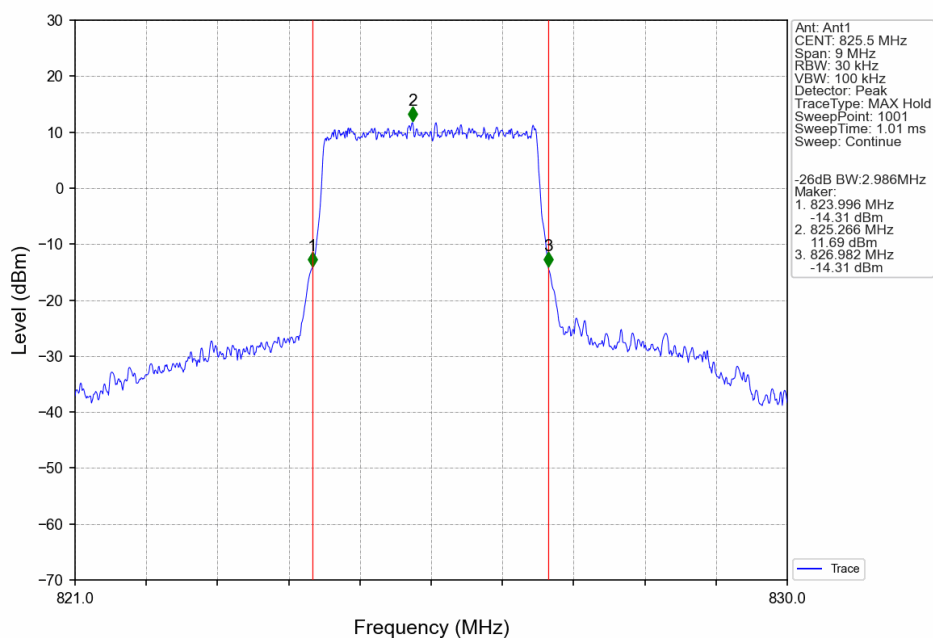


Test Report No.: RF260703B001

Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

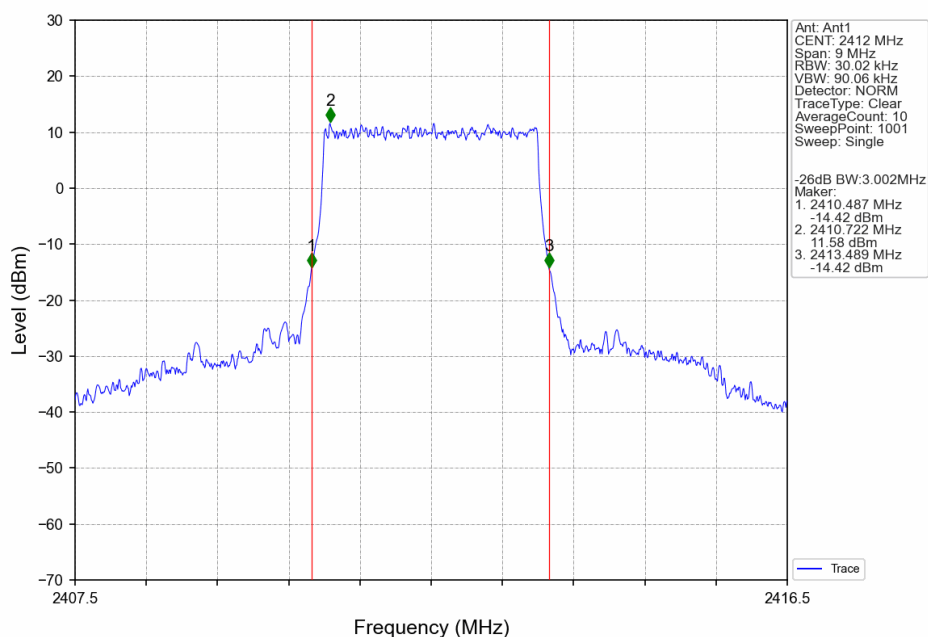


Band5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV

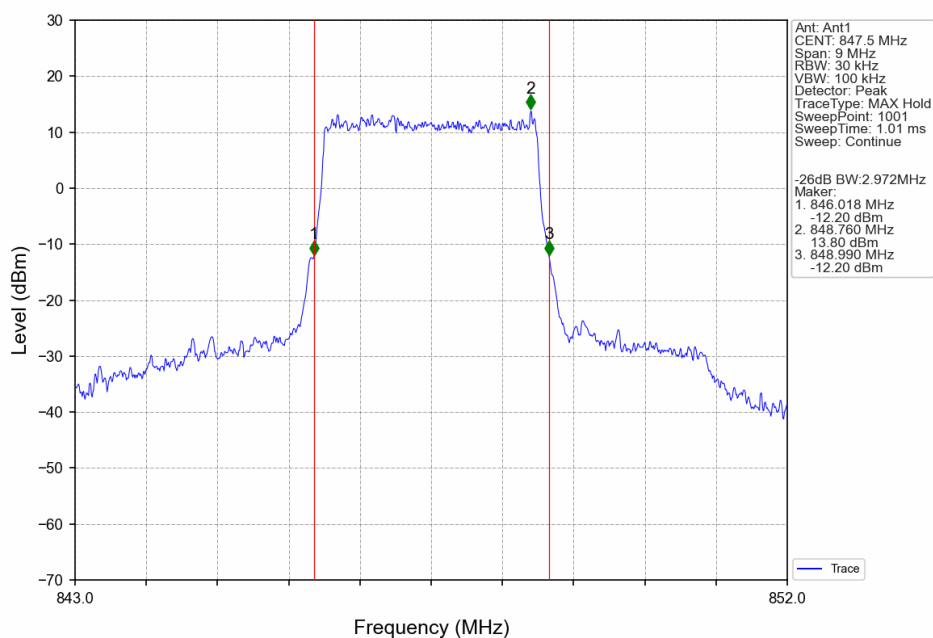


Test Report No.: RF260703B001

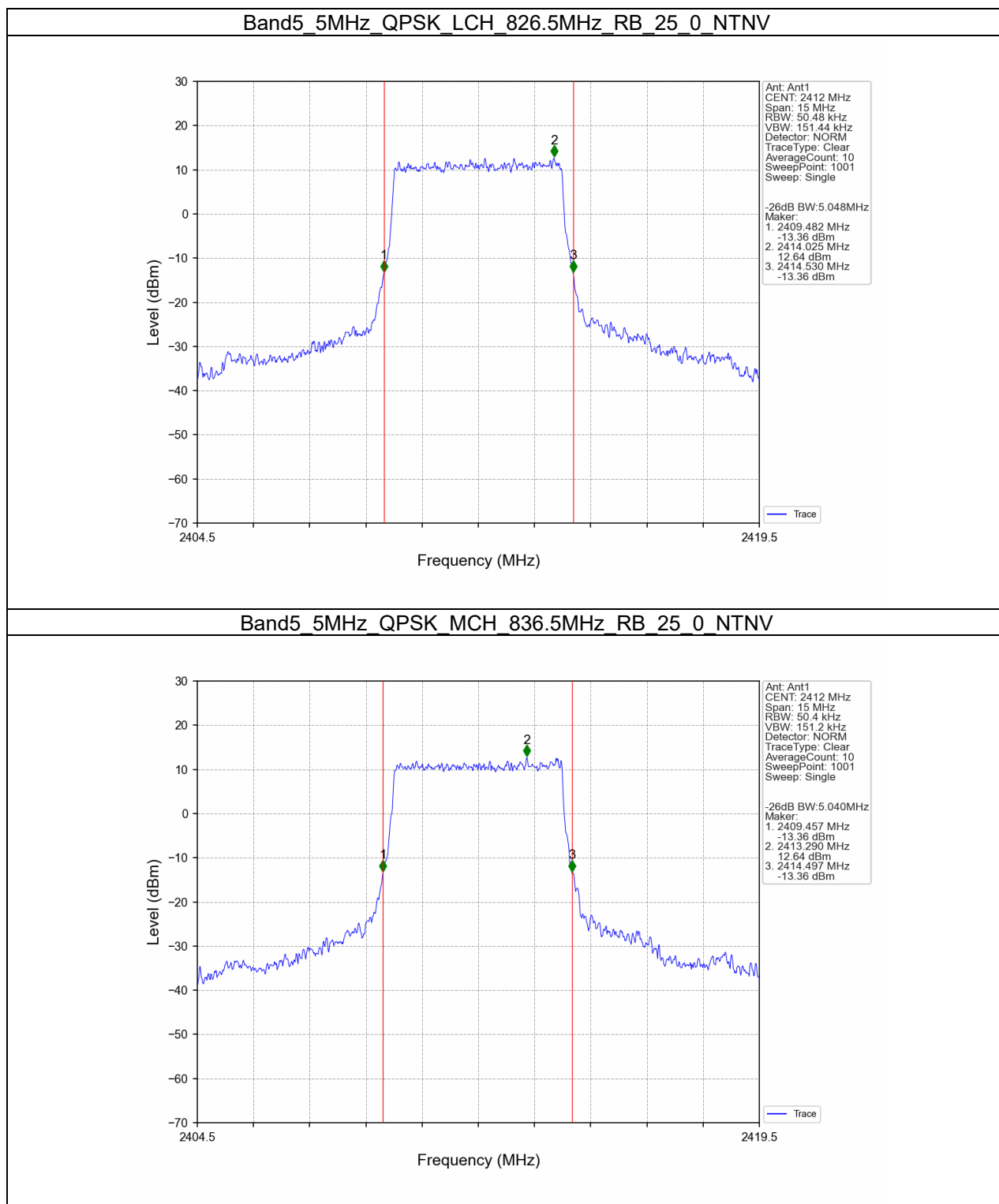
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



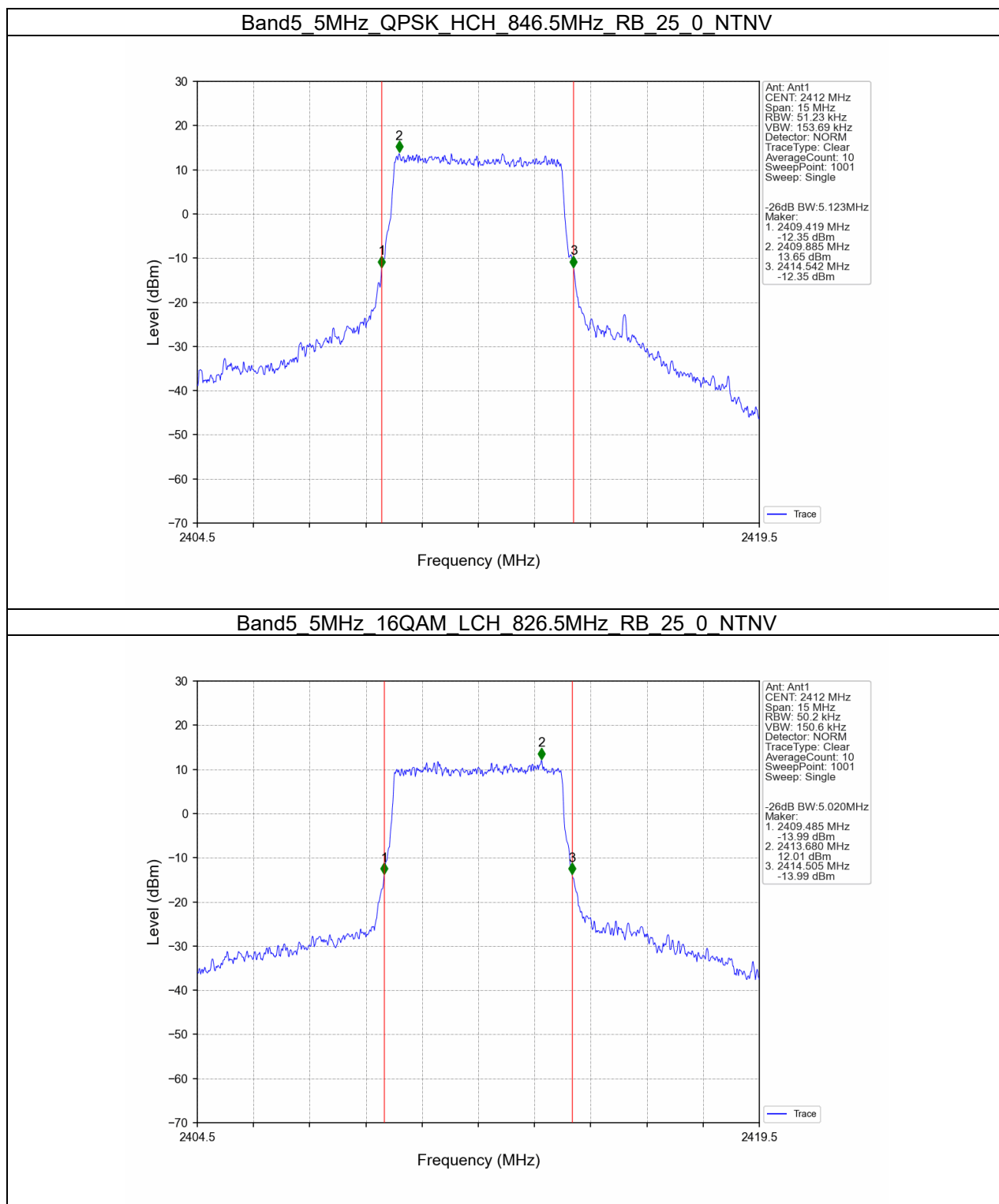
Band5_3MHz_64QAM_HCH_847.5MHz_RB_15_0_NTNV



Test Report No.: RF260703B001

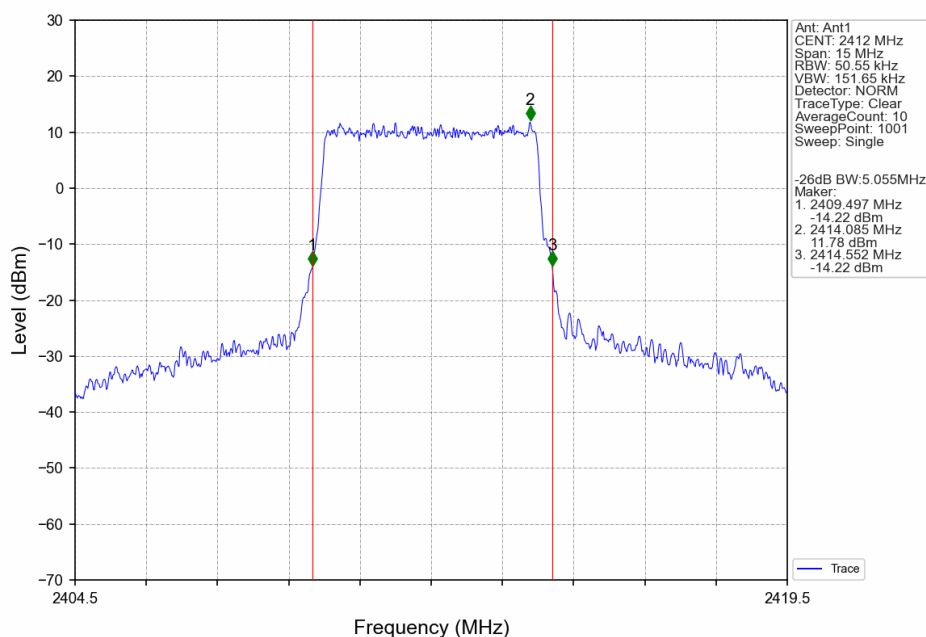


Test Report No.: RF260703B001

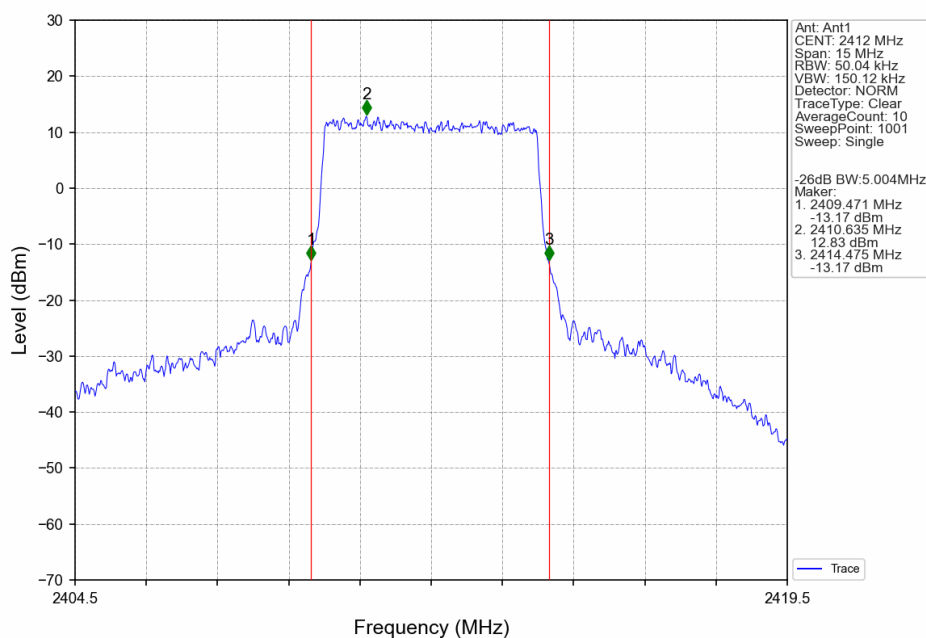


Test Report No.: RF260703B001

Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

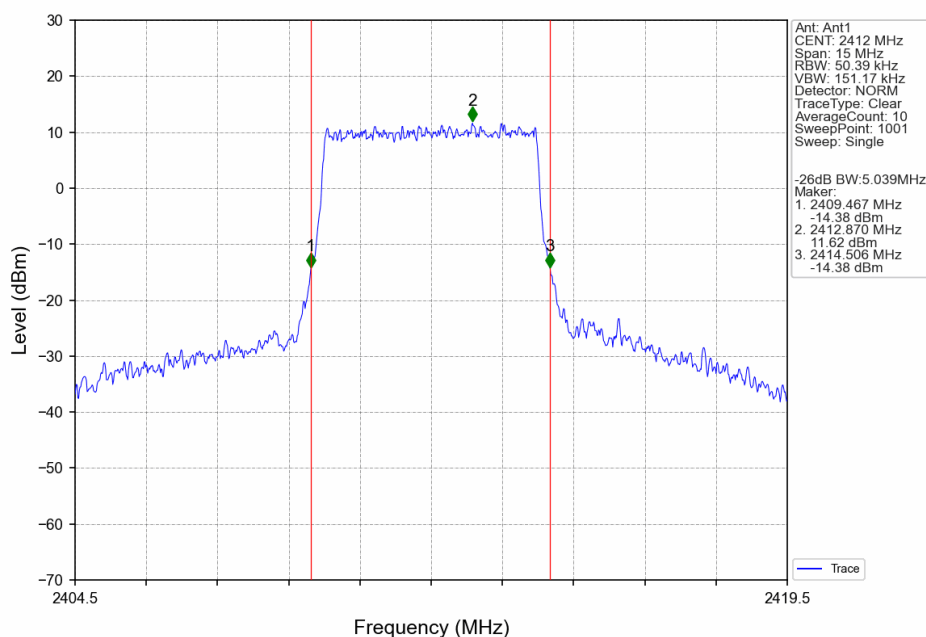


Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

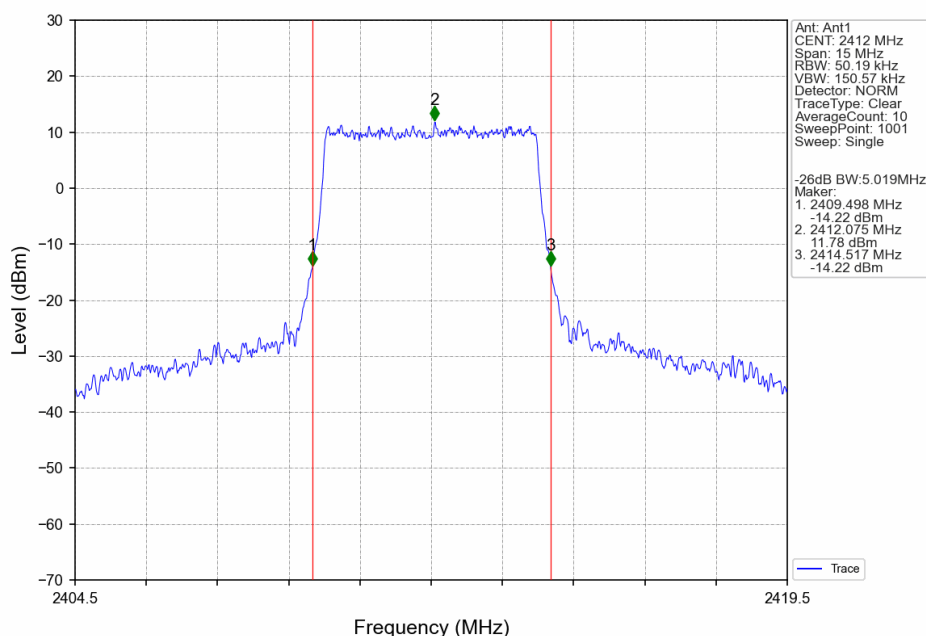


Test Report No.: RF260703B001

Band5_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV

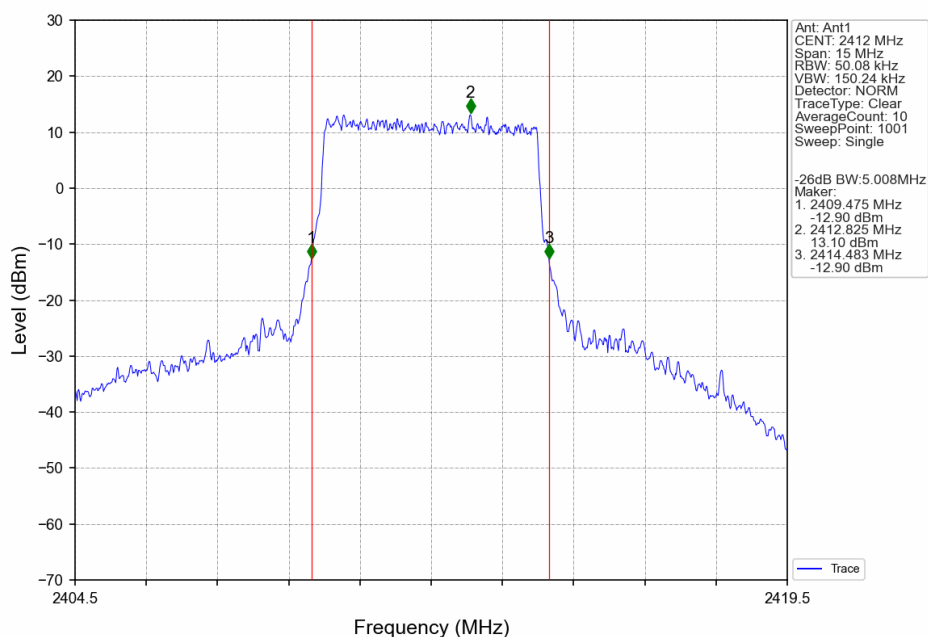


Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV

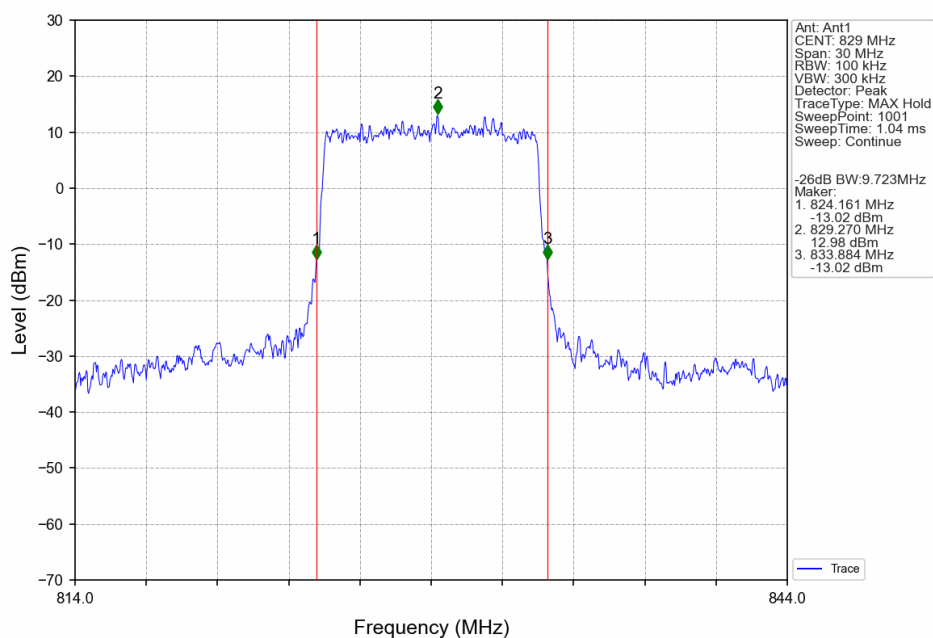


Test Report No.: RF260703B001

Band5_5MHz_64QAM_HCH_846.5MHz_RB_25_0_NTNV

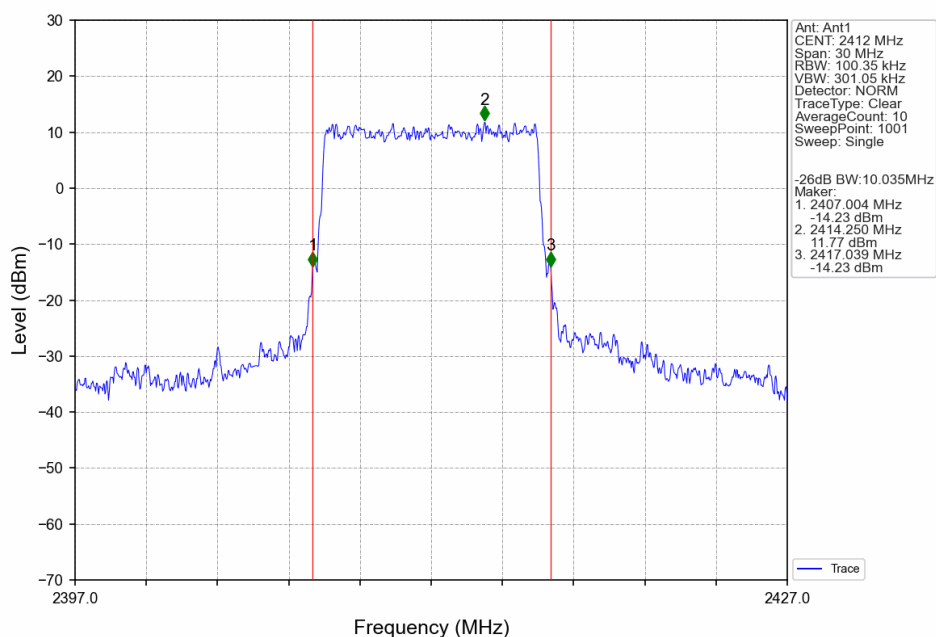


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

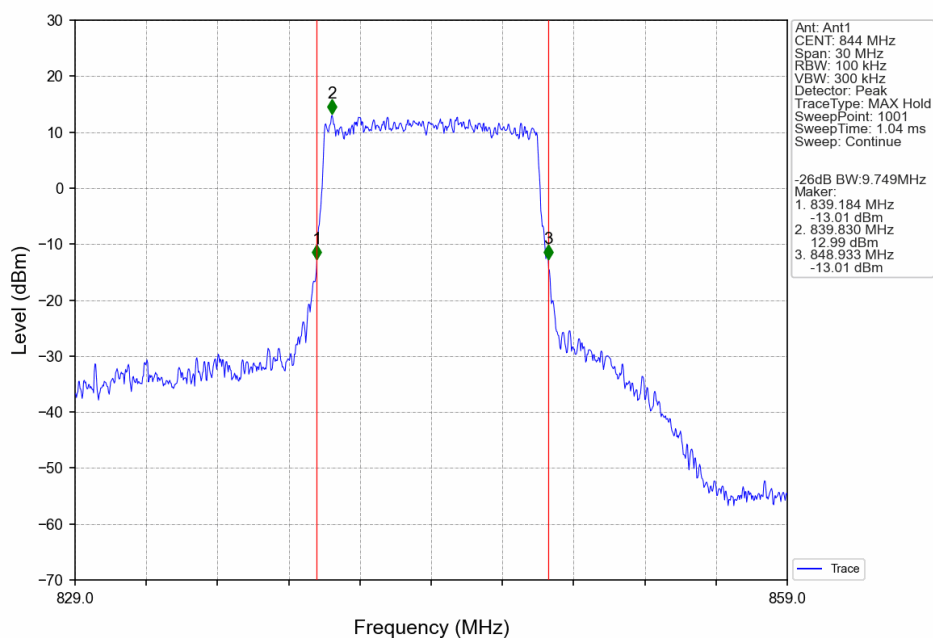


Test Report No.: RF260703B001

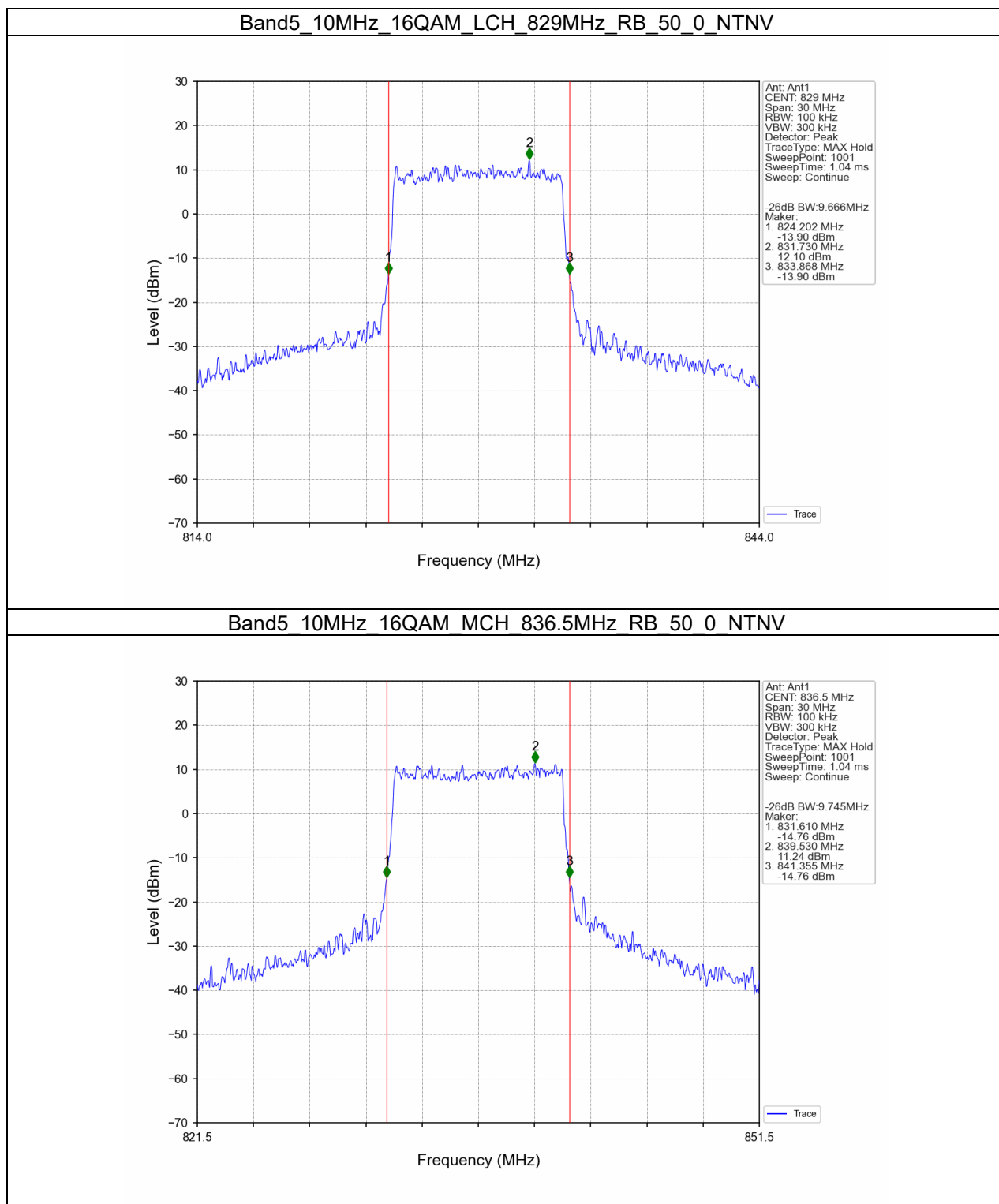
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV

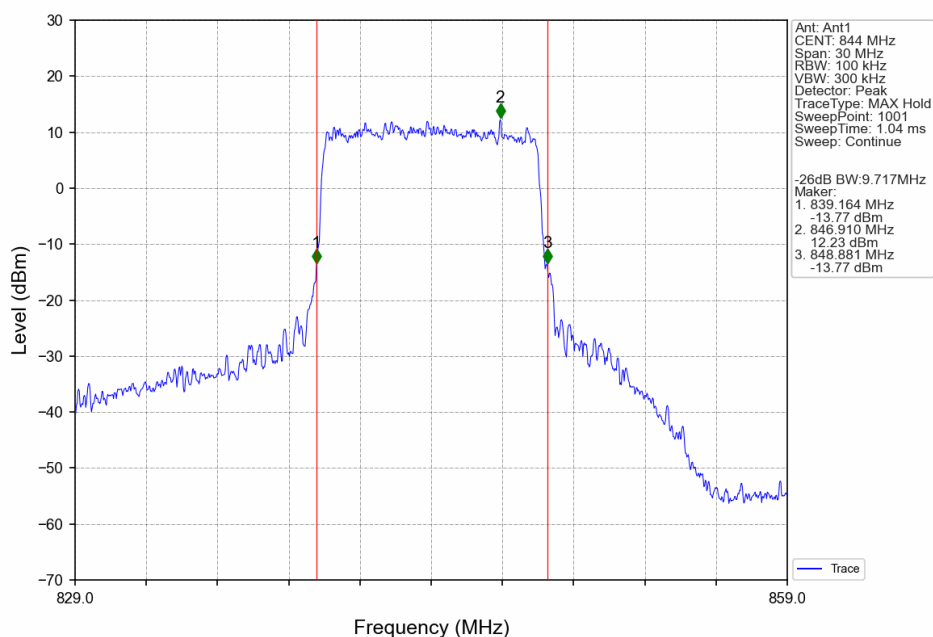


Test Report No.: RF260703B001

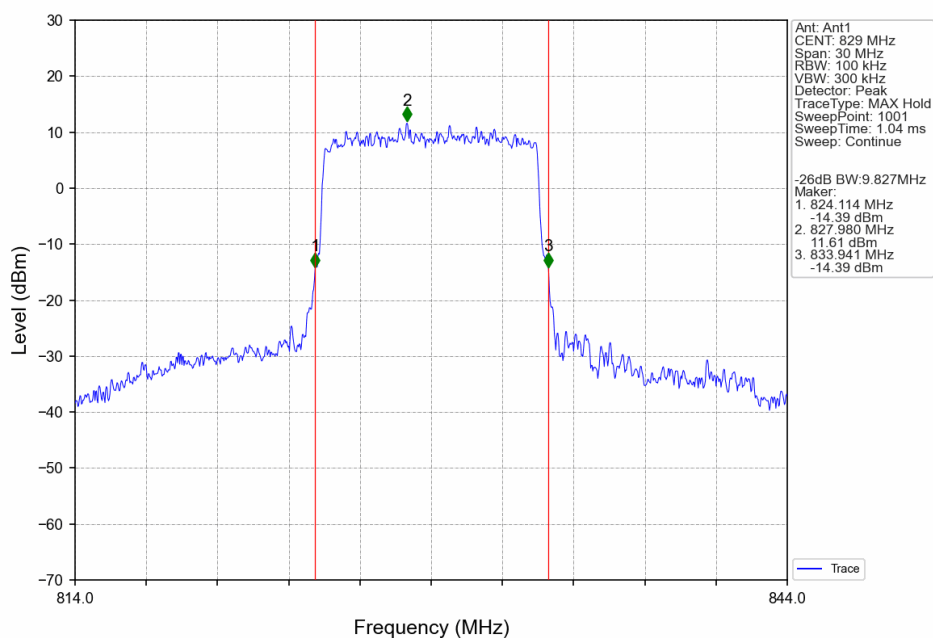


Test Report No.: RF260703B001

Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

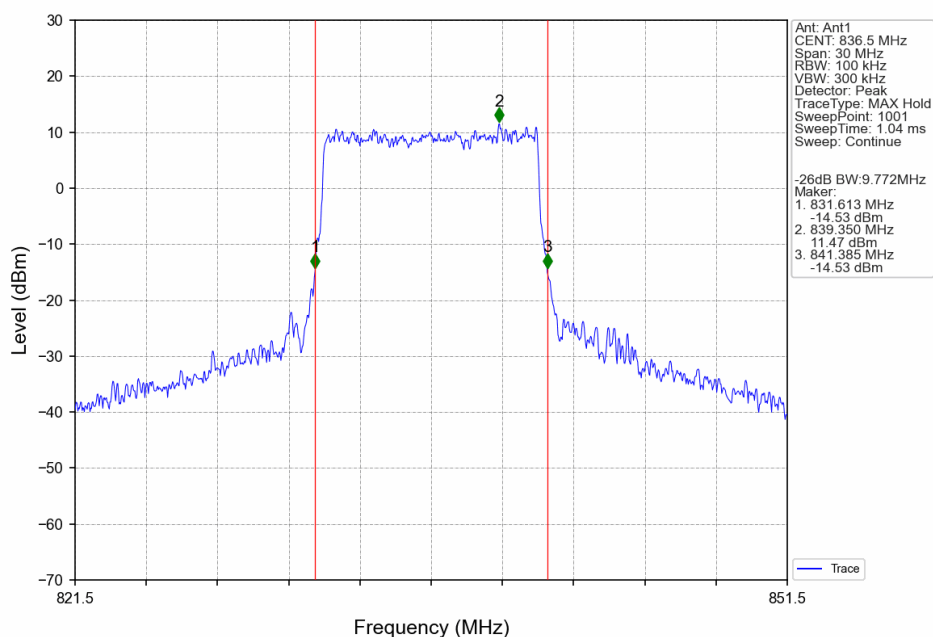


Band5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV

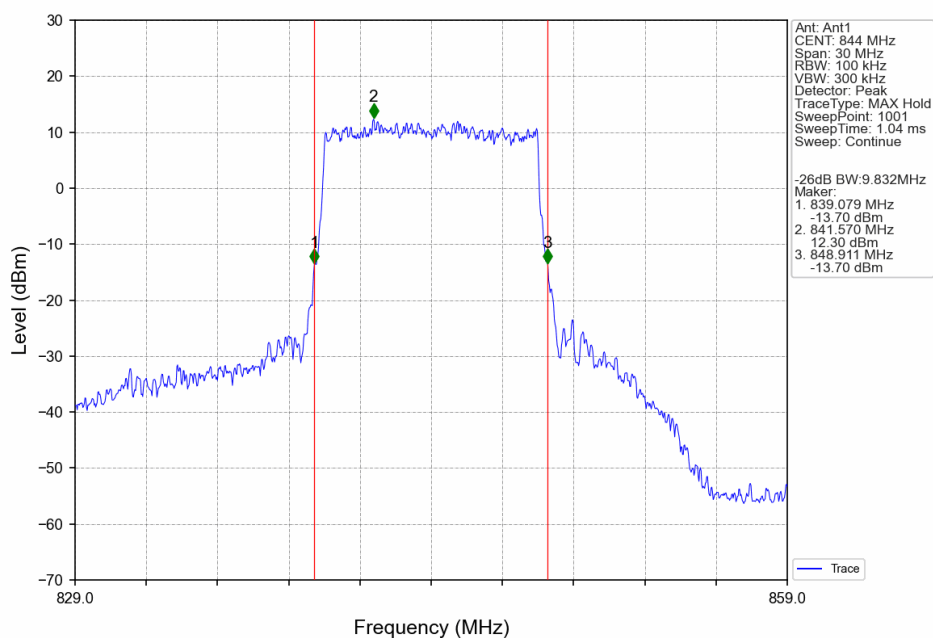


Test Report No.: RF260703B001

Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV

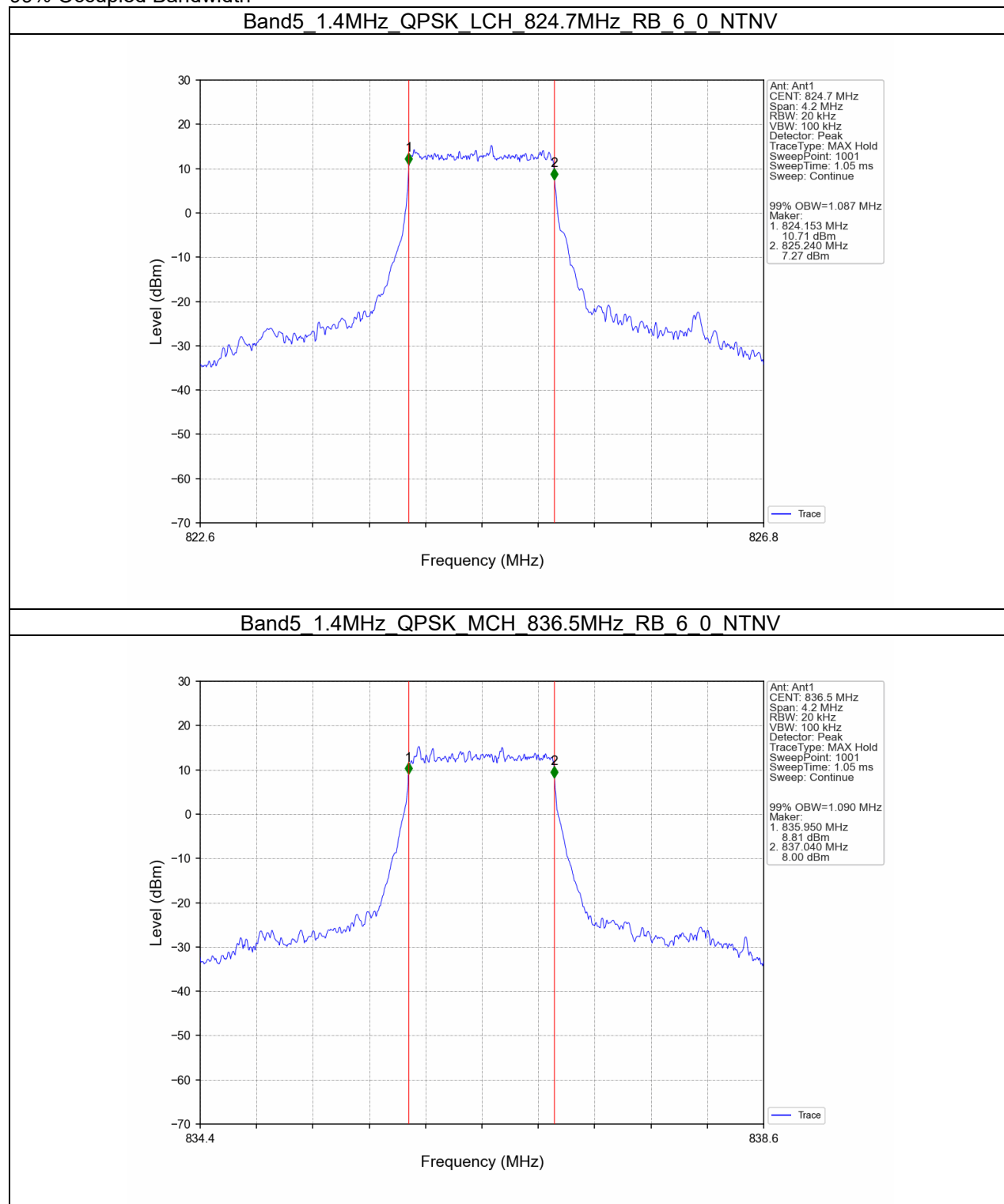


Band5_10MHz_64QAM_HCH_844MHz_RB_50_0_NTNV

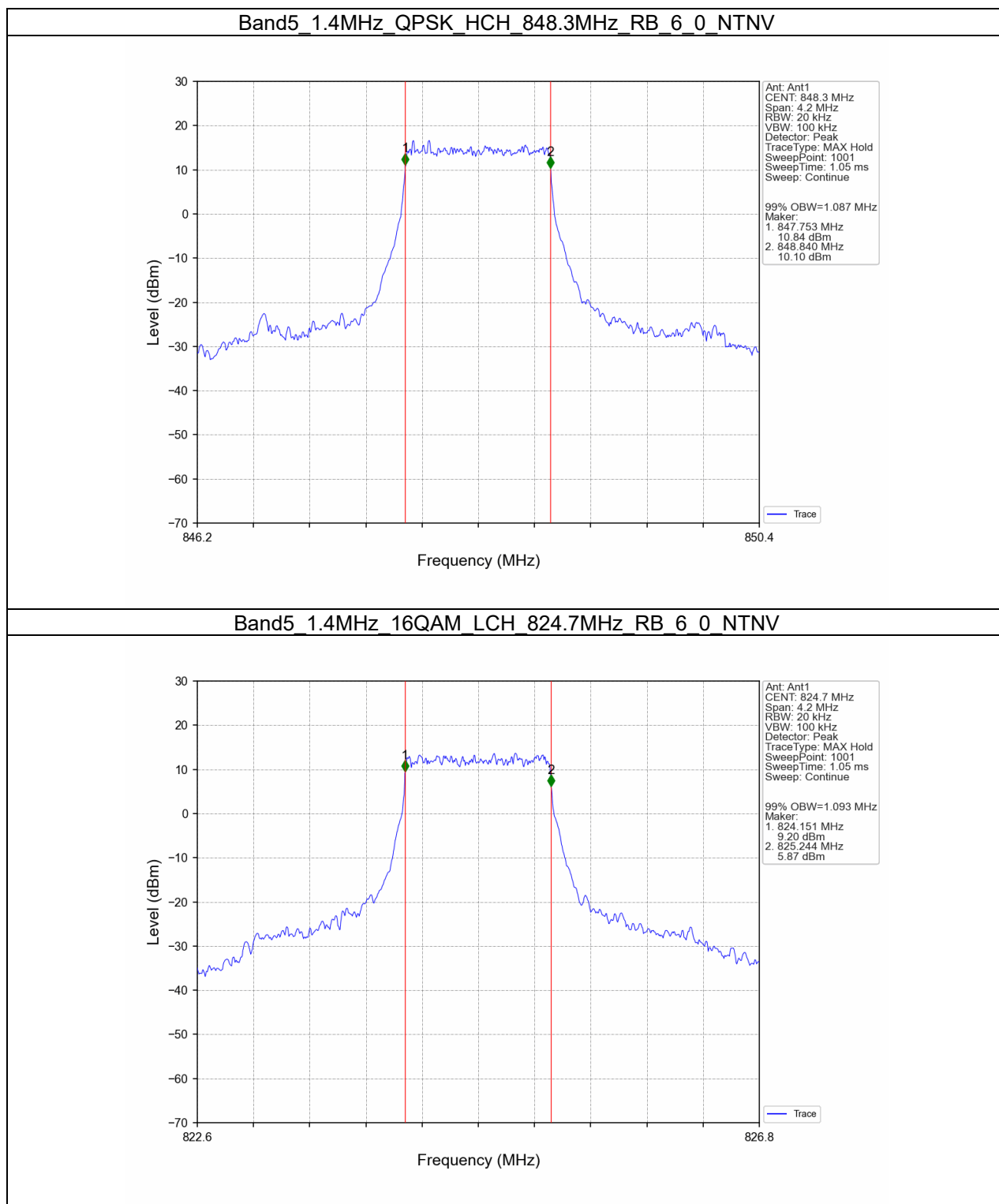


Test Report No.: RF260703B001

99% Occupied Bandwidth

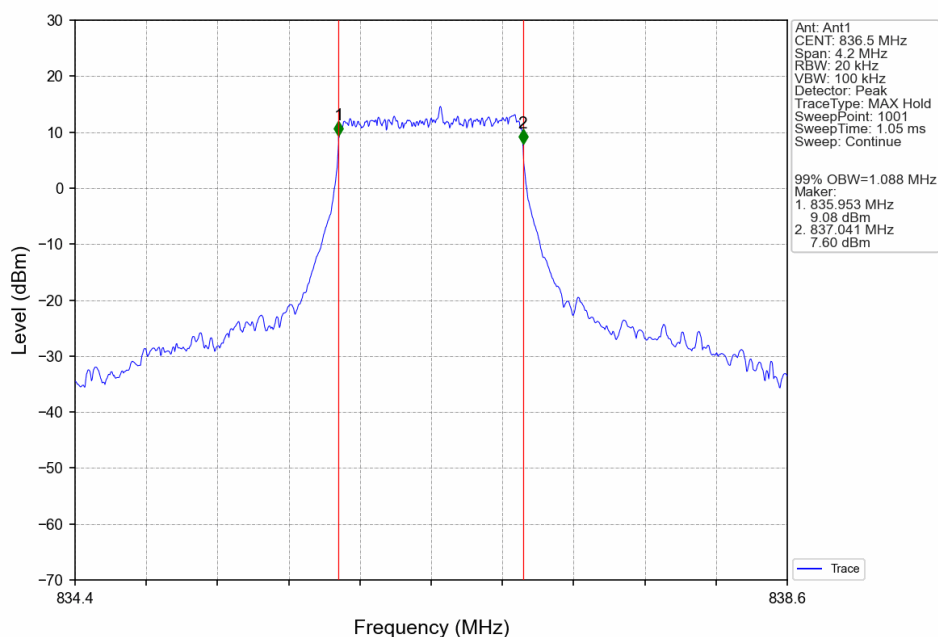


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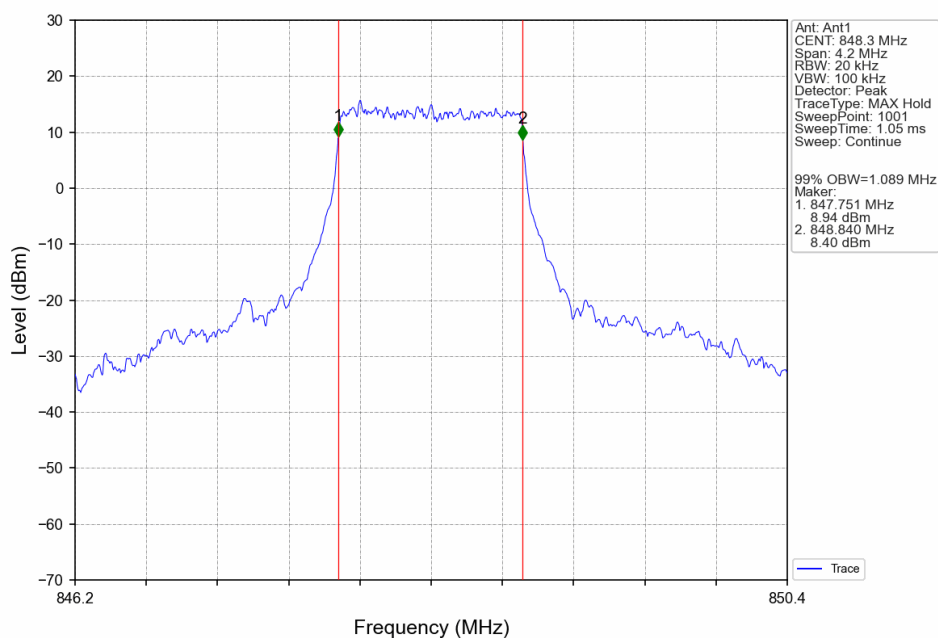


Test Report No.: RF260703B001

Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

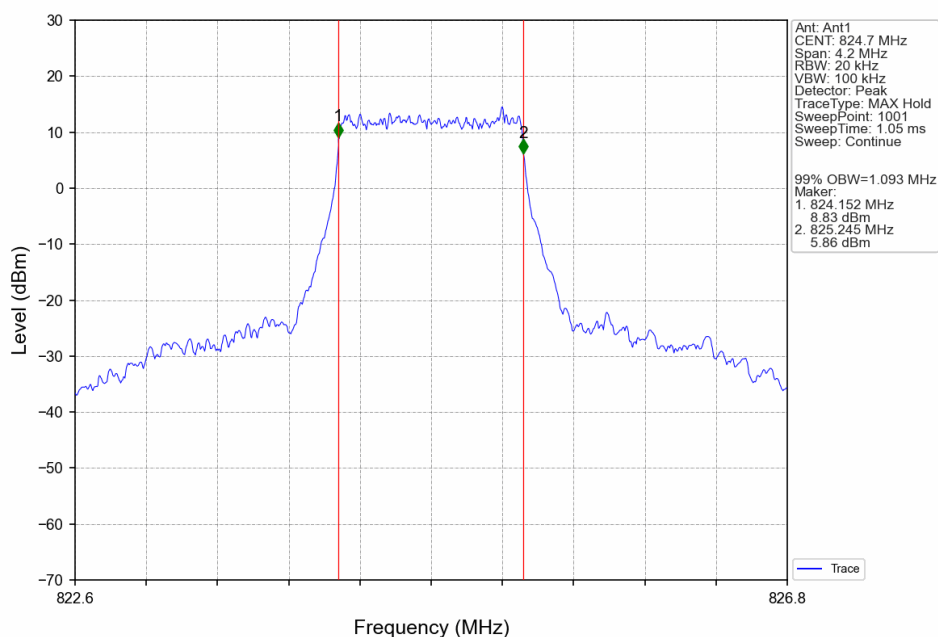


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

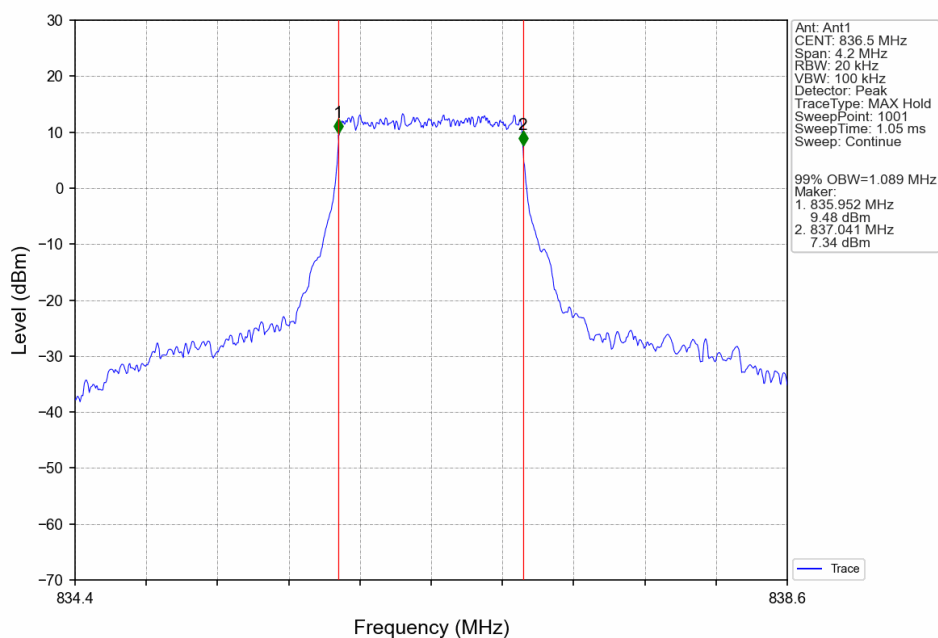


Test Report No.: RF260703B001

Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_6_0_NTNV

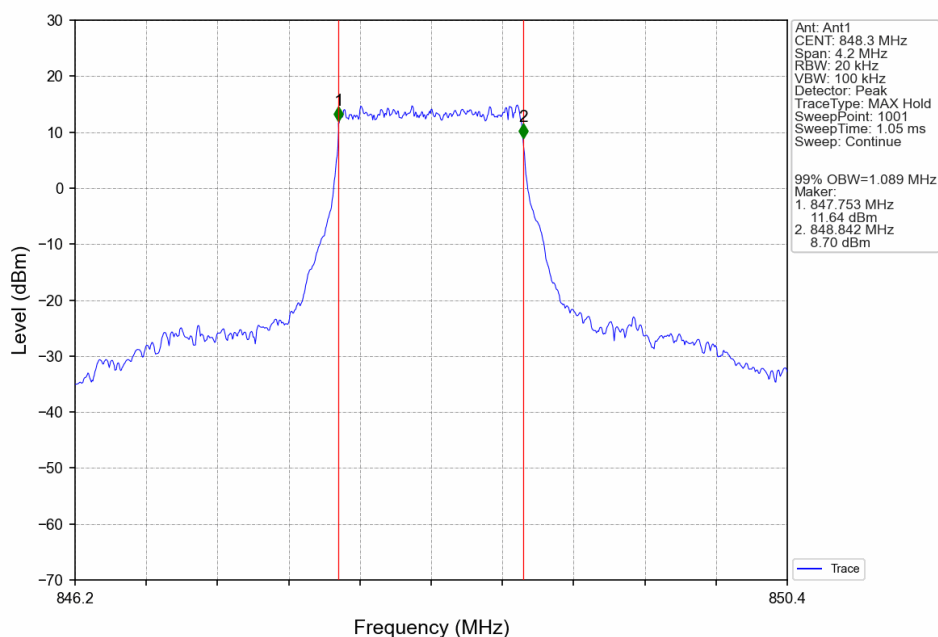


Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV

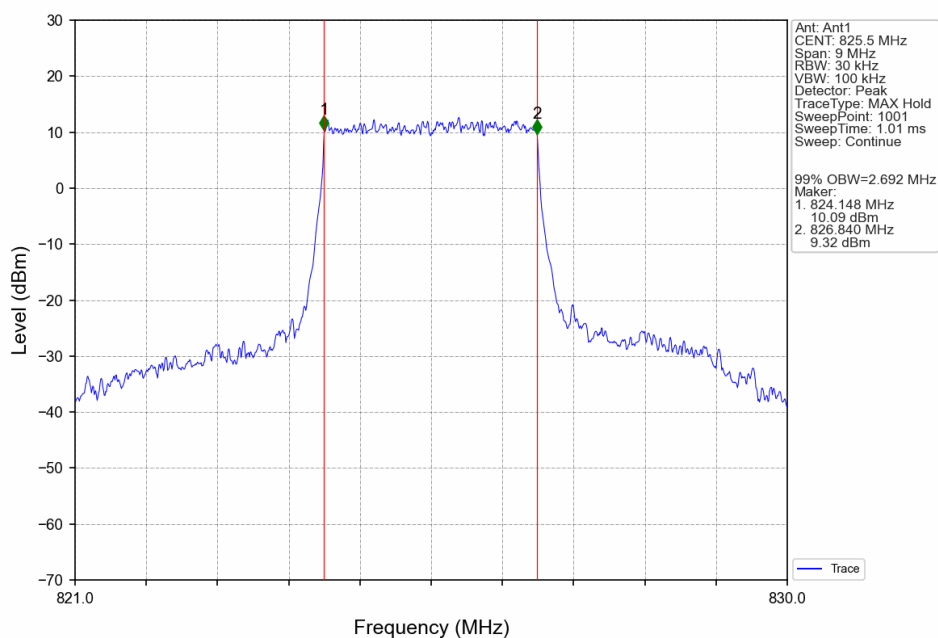


Test Report No.: RF260703B001

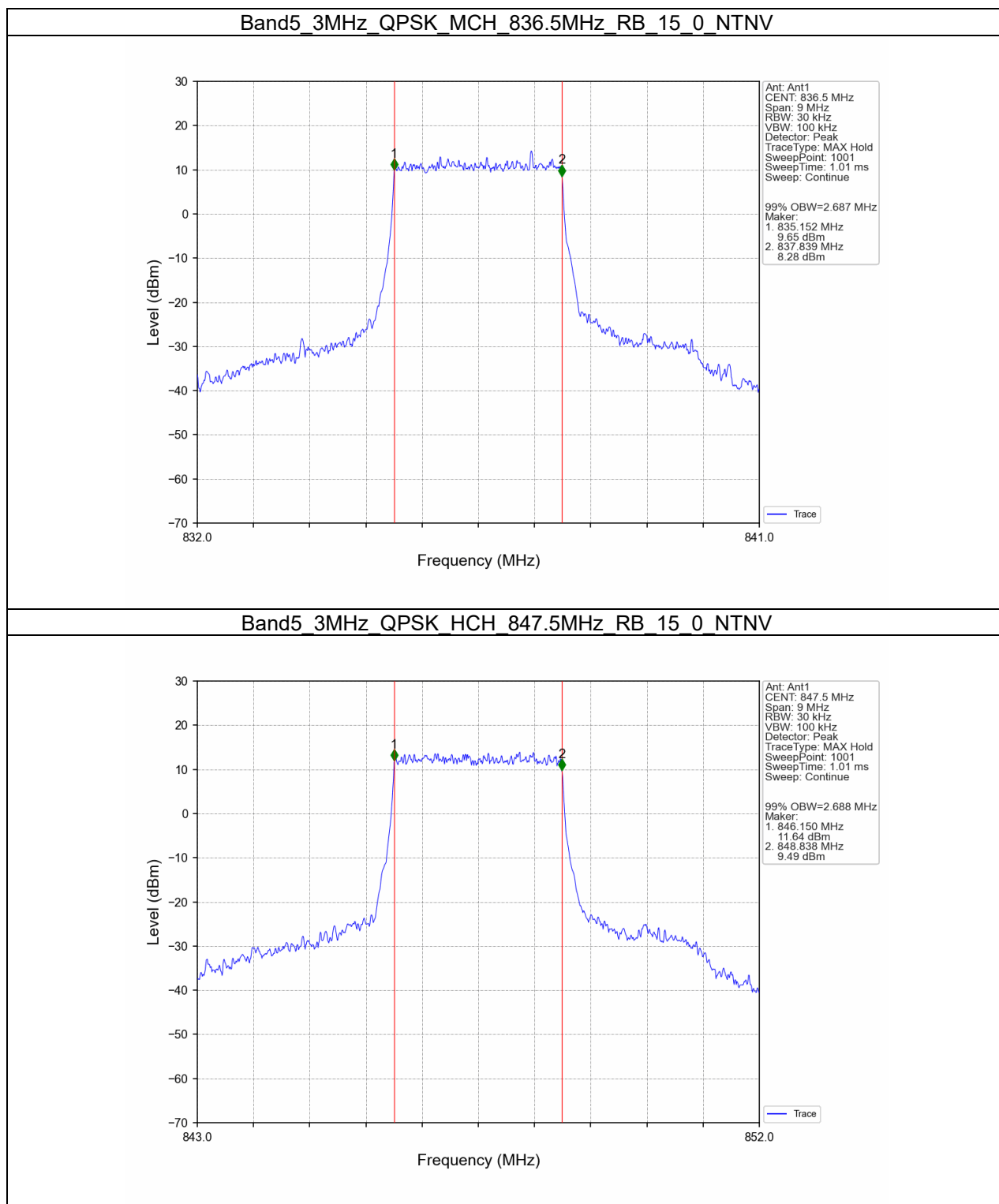
Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTNV



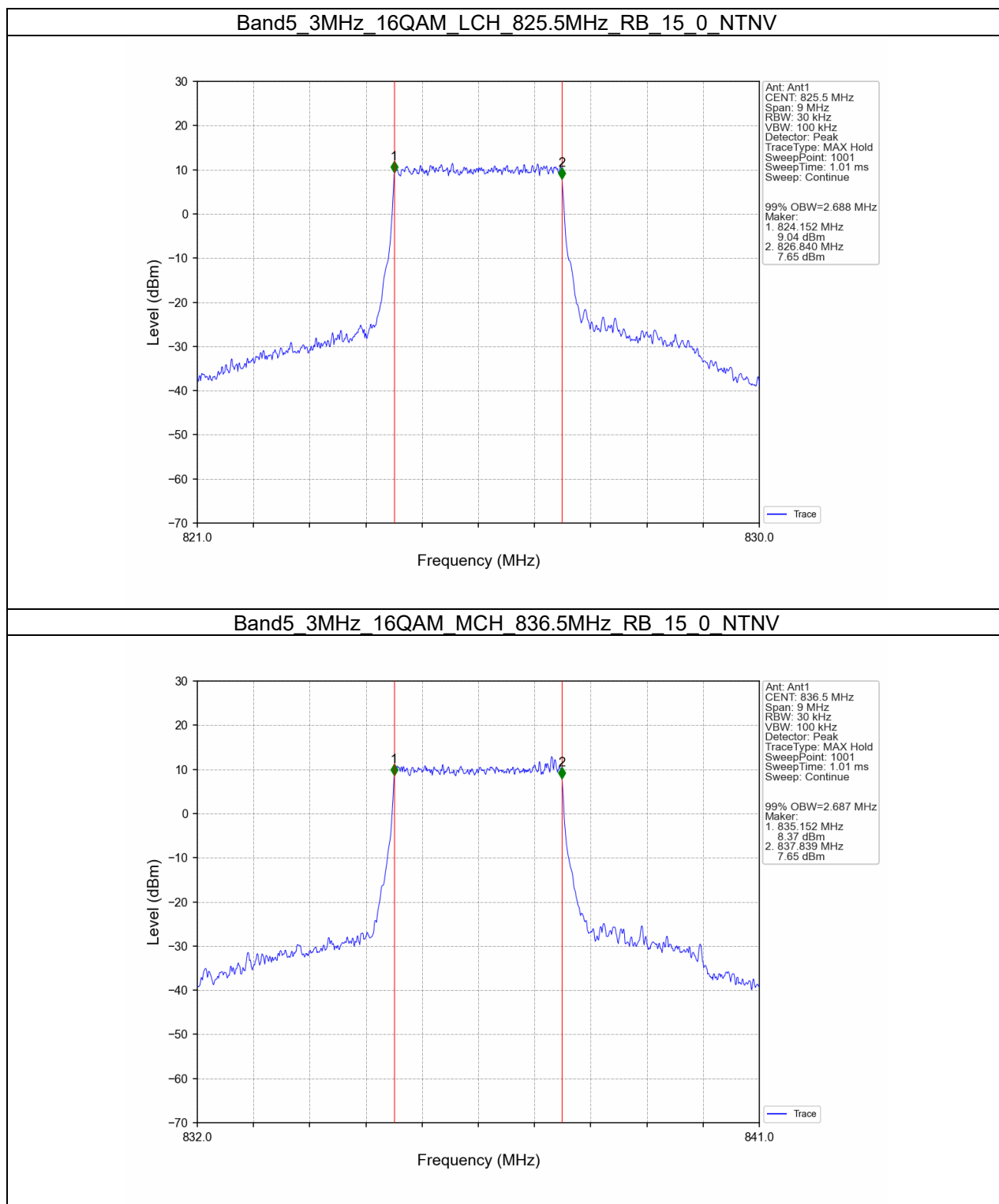
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



Test Report No.: RF260703B001

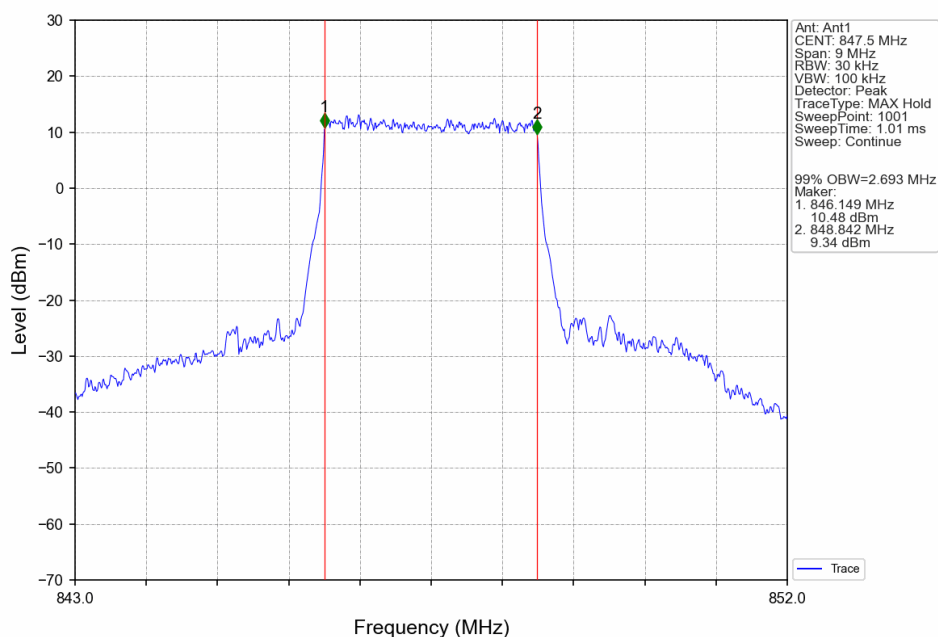


Test Report No.: RF260703B001

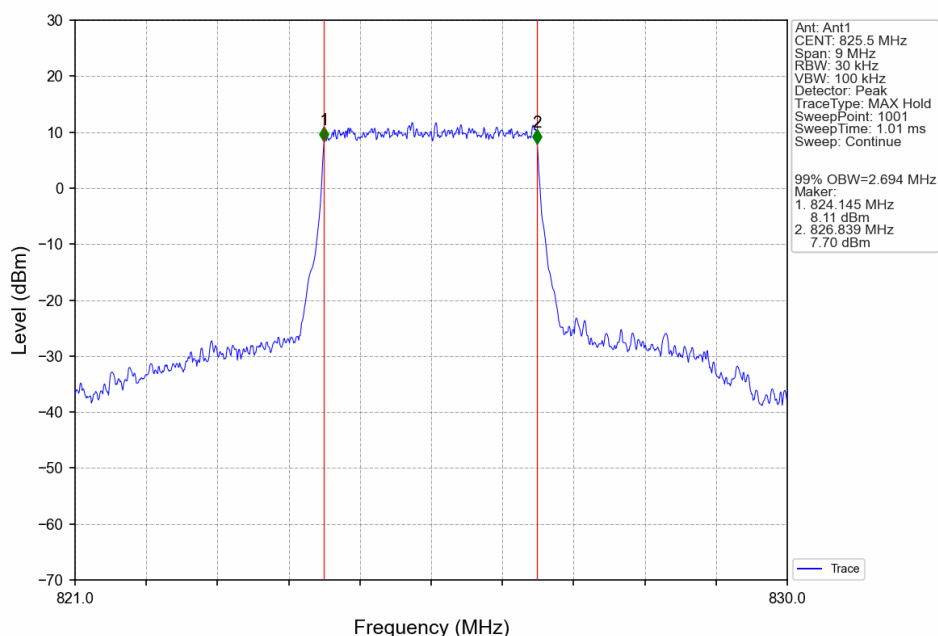


Test Report No.: RF260703B001

Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

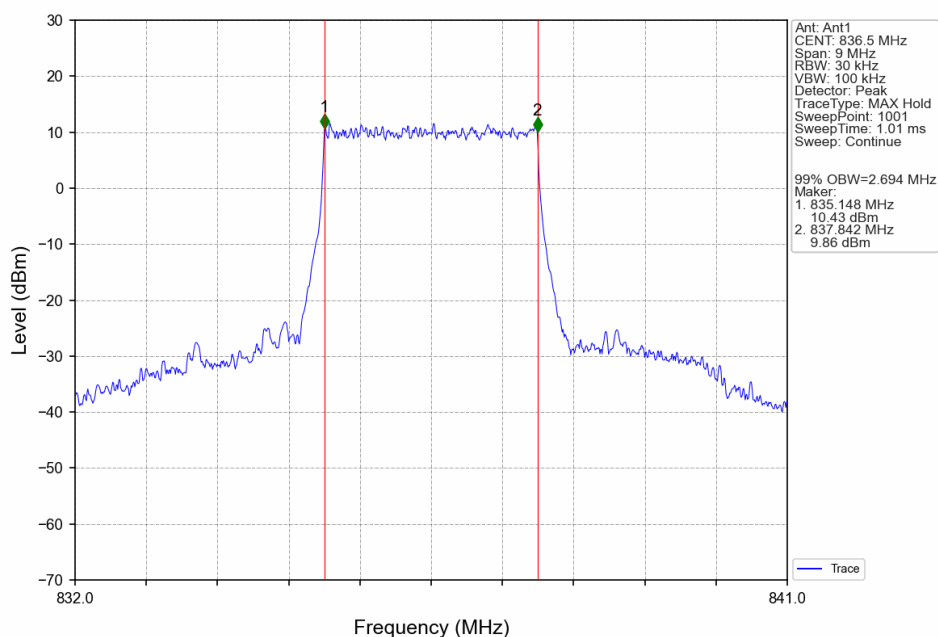


Band5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV

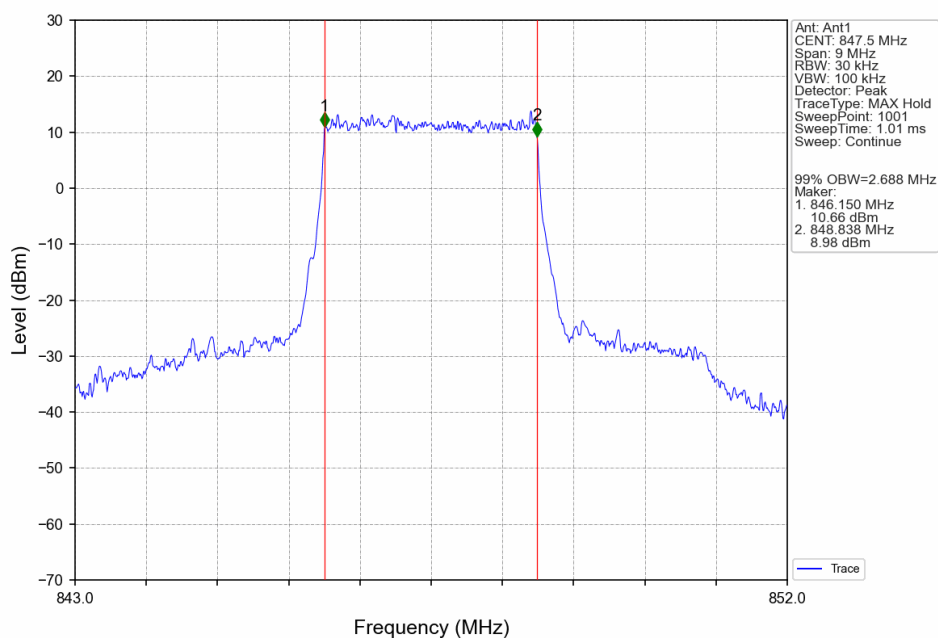


Test Report No.: RF260703B001

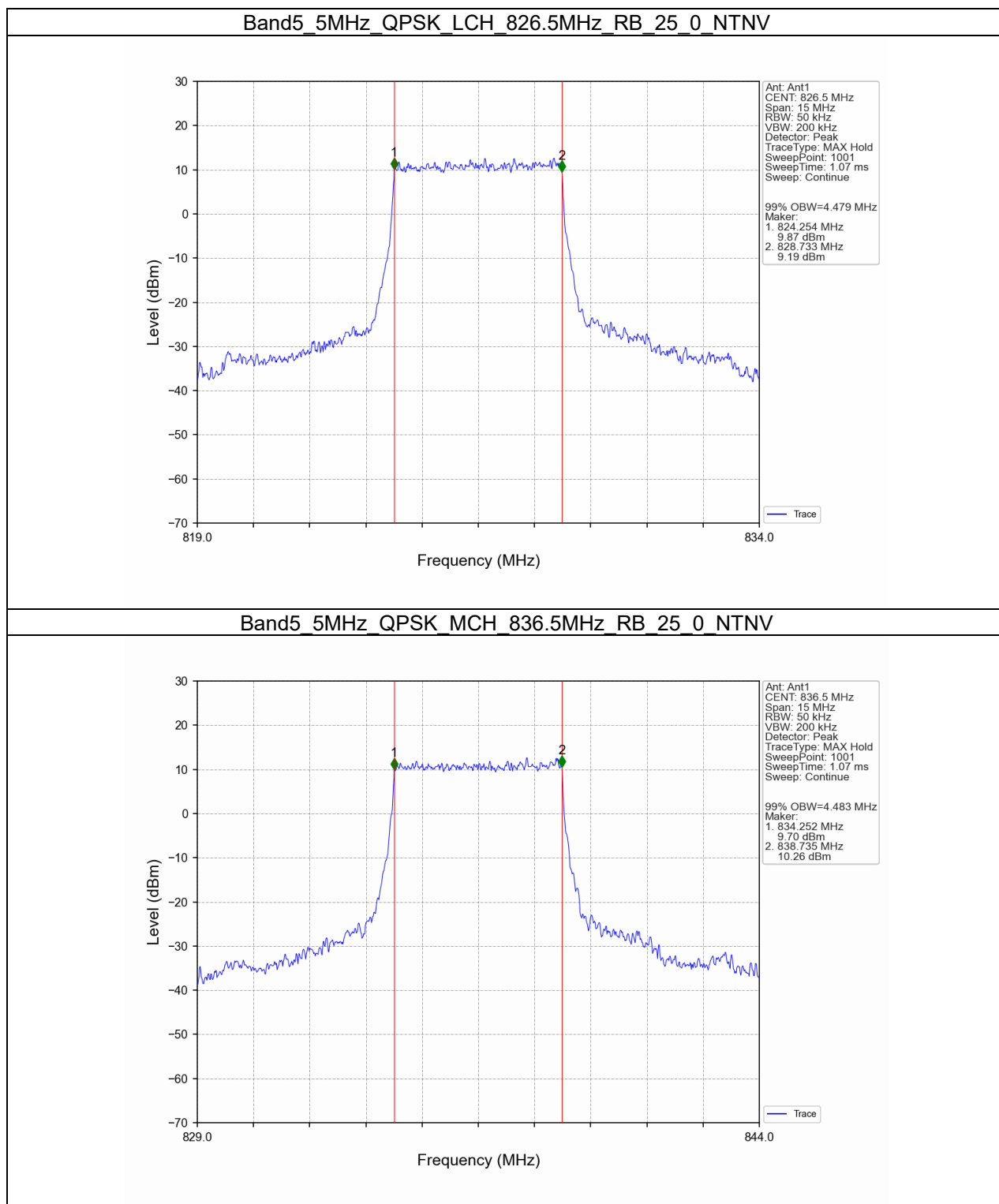
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



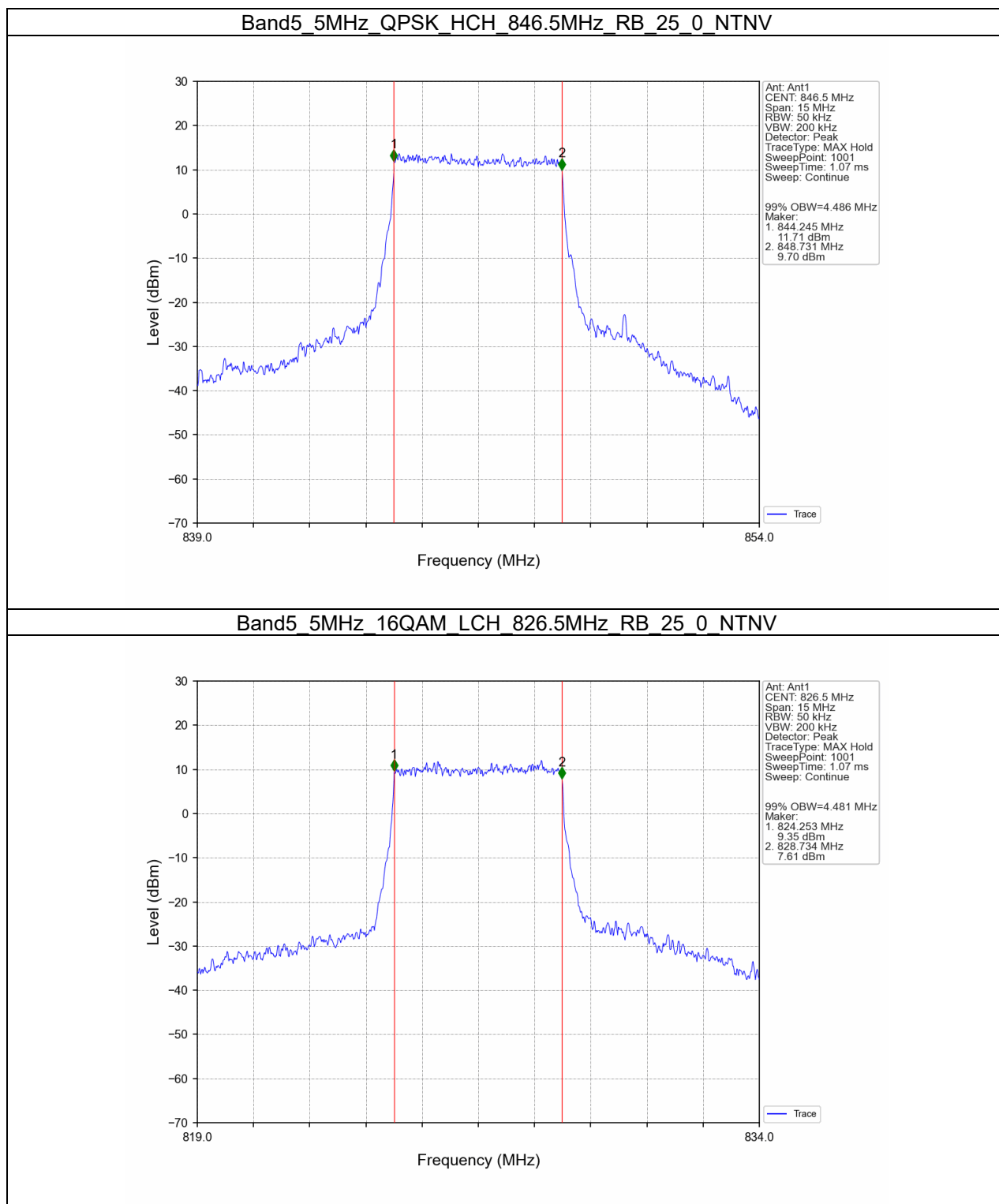
Band5_3MHz_64QAM_HCH_847.5MHz_RB_15_0_NTNV



Test Report No.: RF260703B001

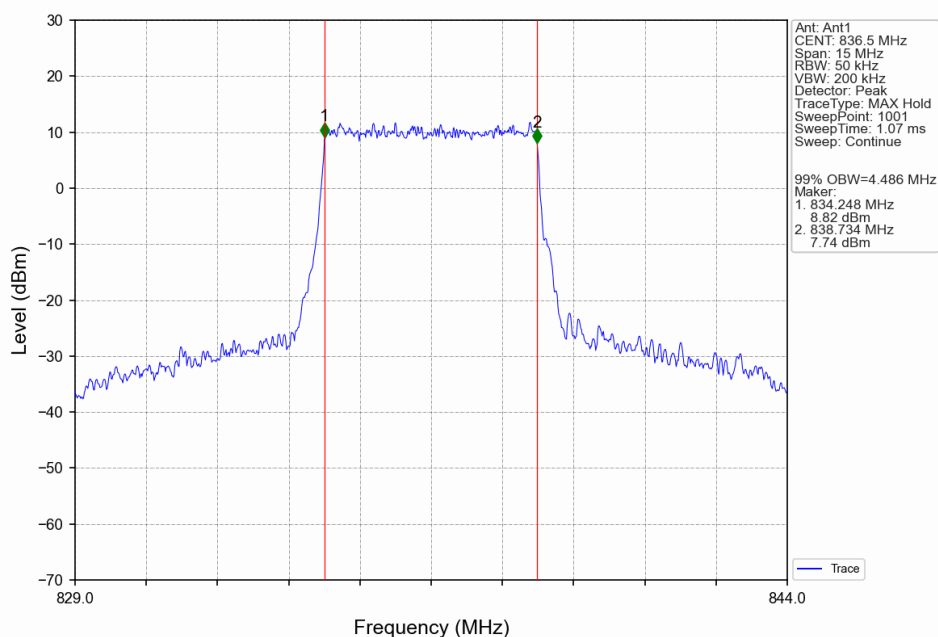


Test Report No.: RF260703B001

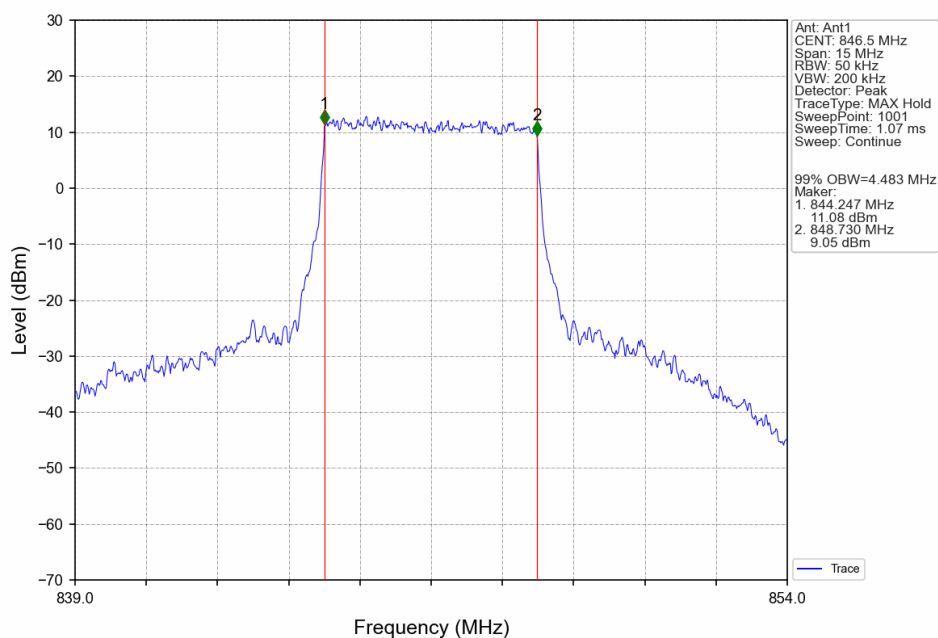


Test Report No.: RF260703B001

Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

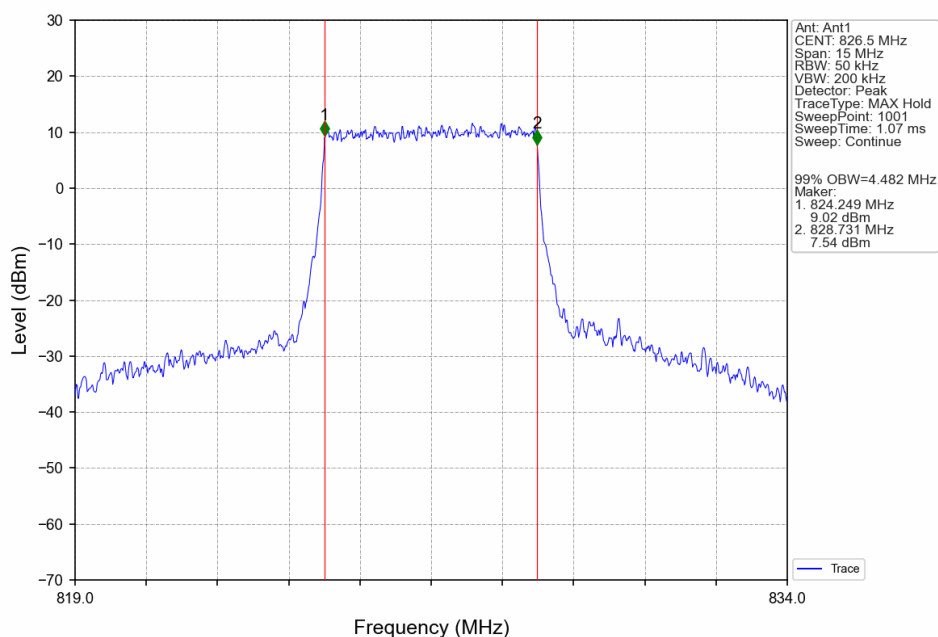


Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

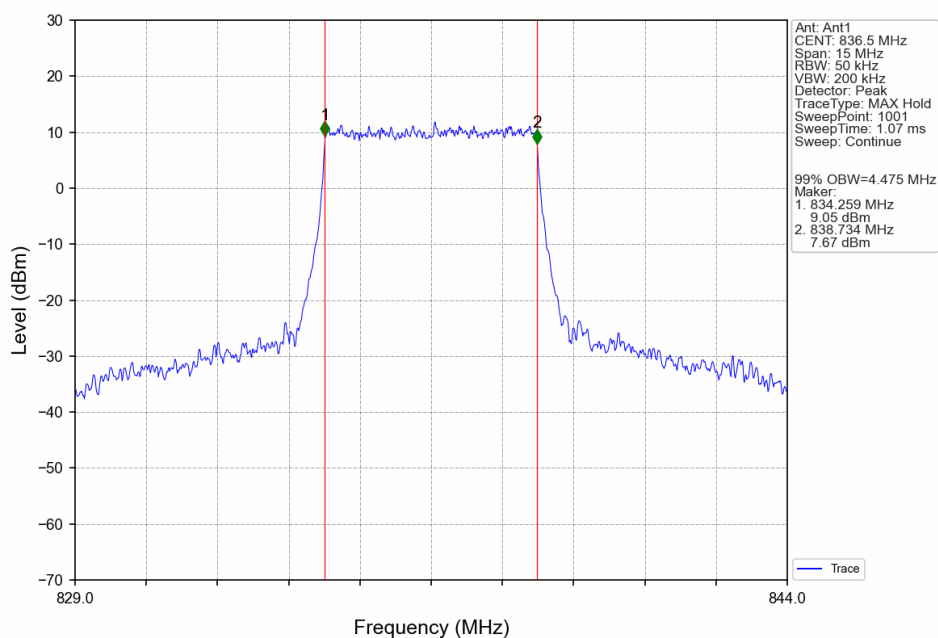


Test Report No.: RF260703B001

Band5_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV

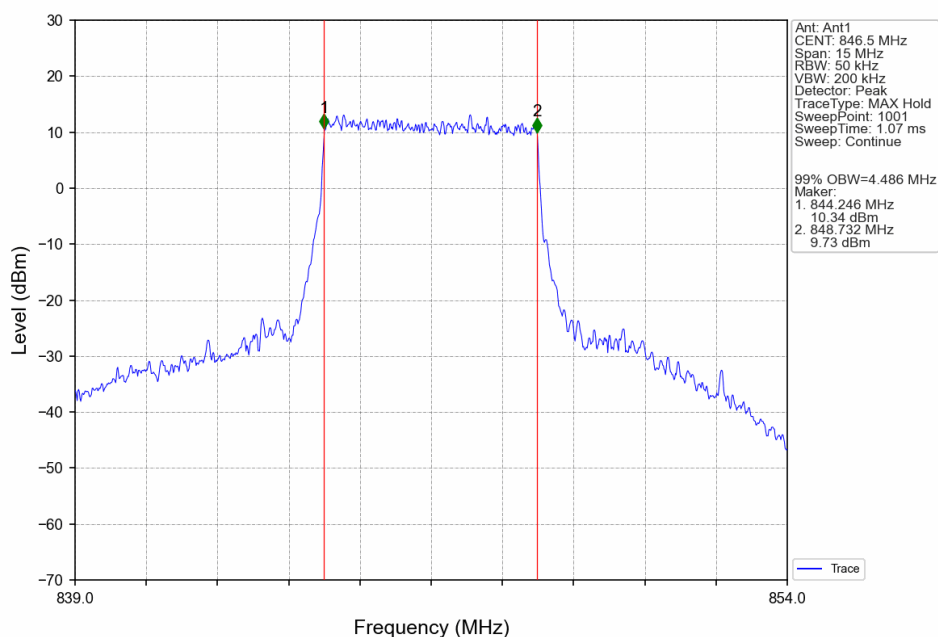


Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV

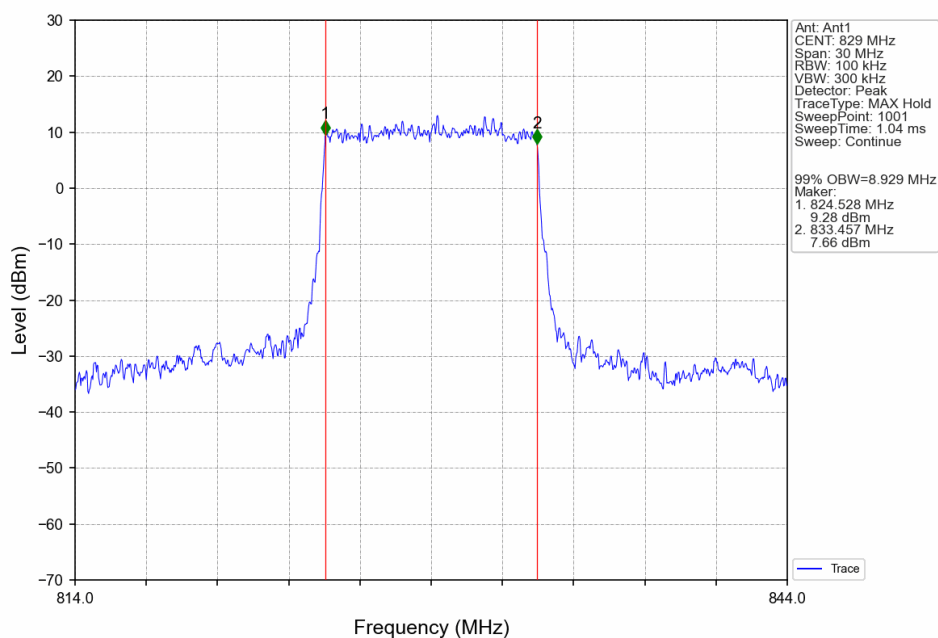


Test Report No.: RF260703B001

Band5_5MHz_64QAM_HCH_846.5MHz_RB_25_0_NTNV

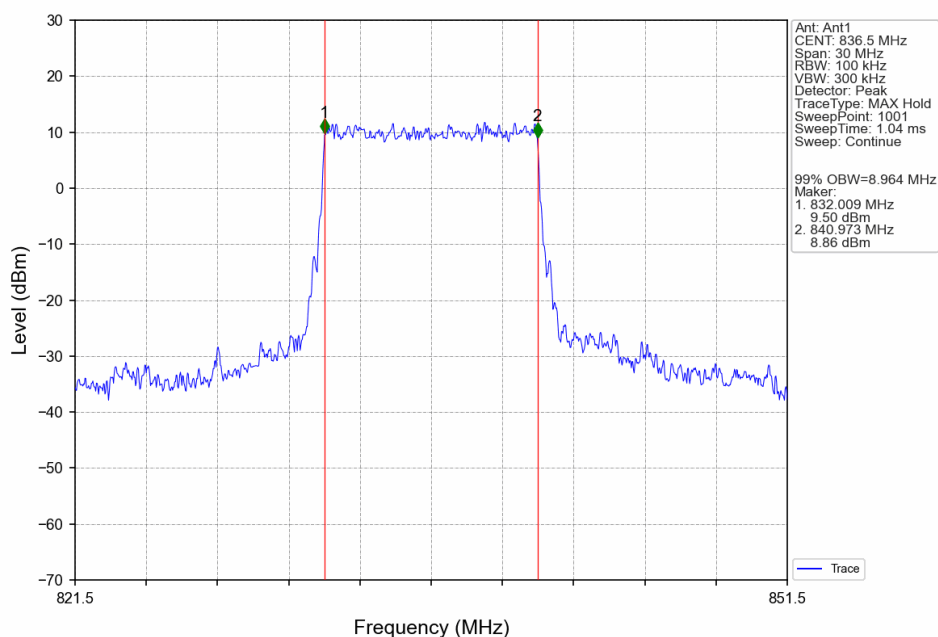


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

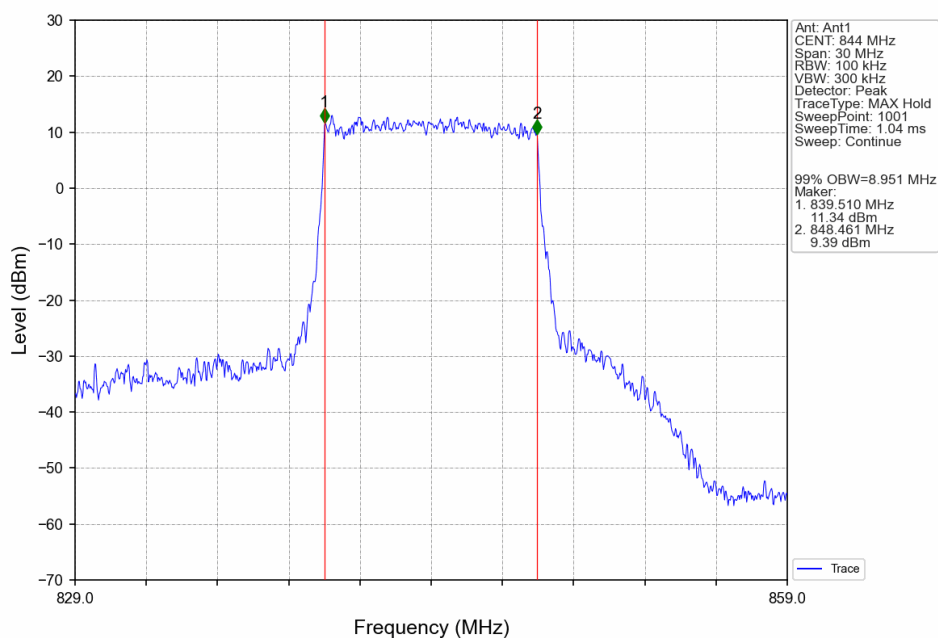


Test Report No.: RF260703B001

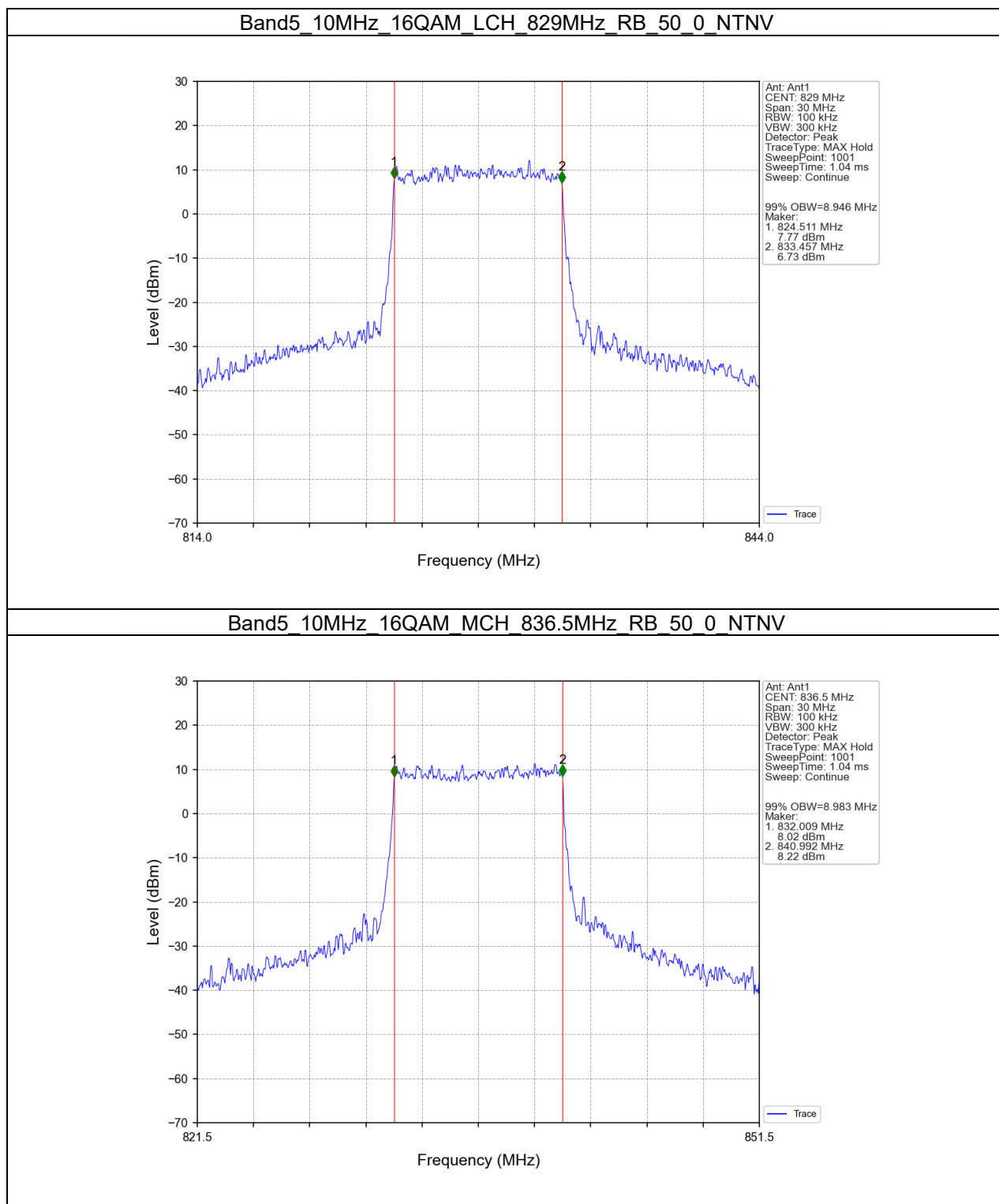
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



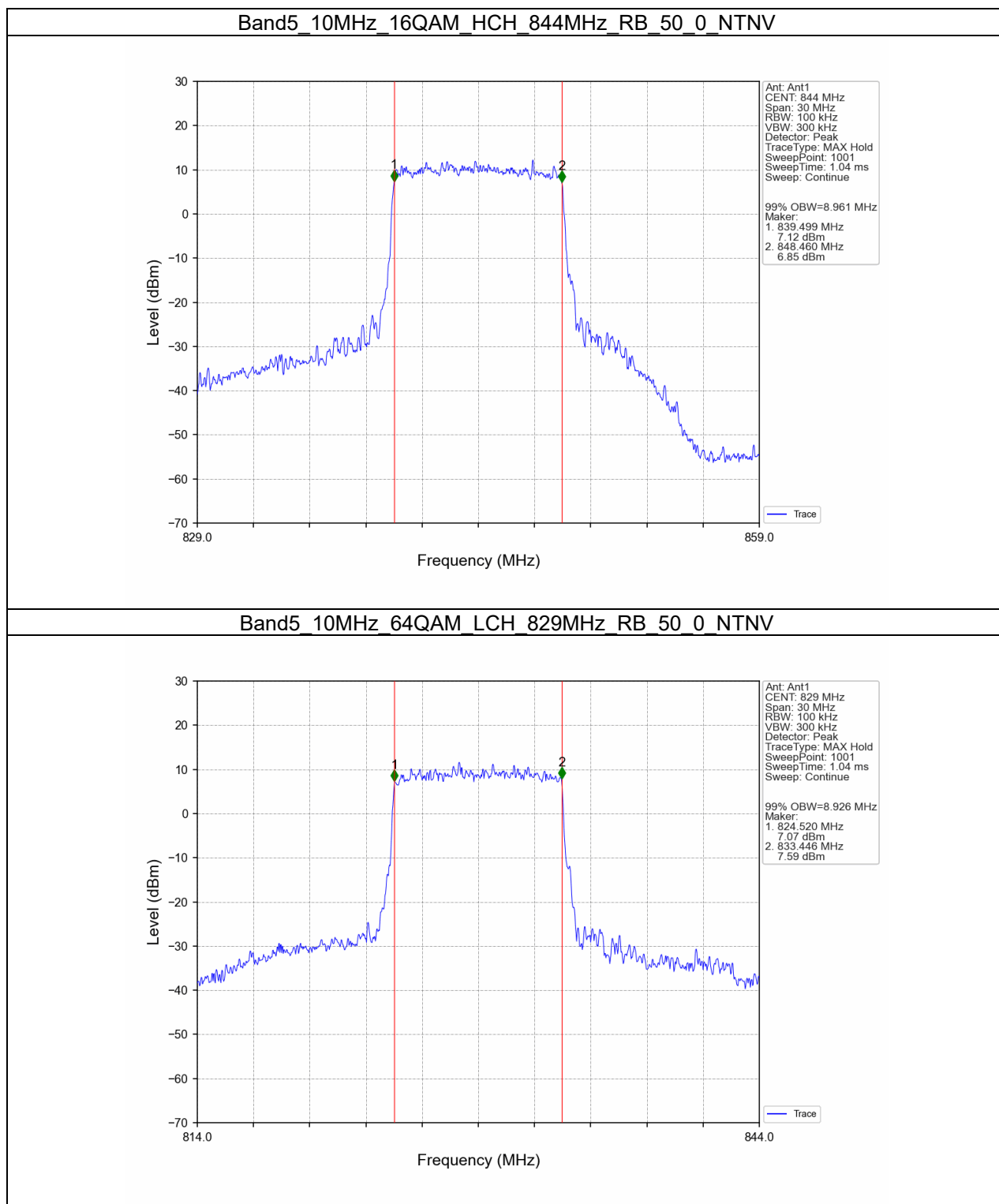
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



Test Report No.: RF260703B001

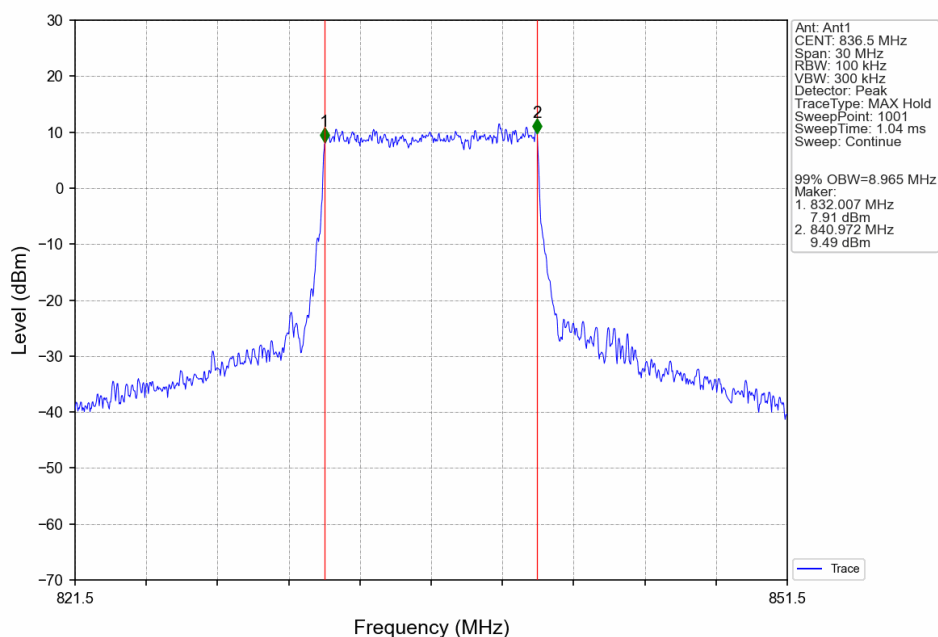


Test Report No.: RF260703B001

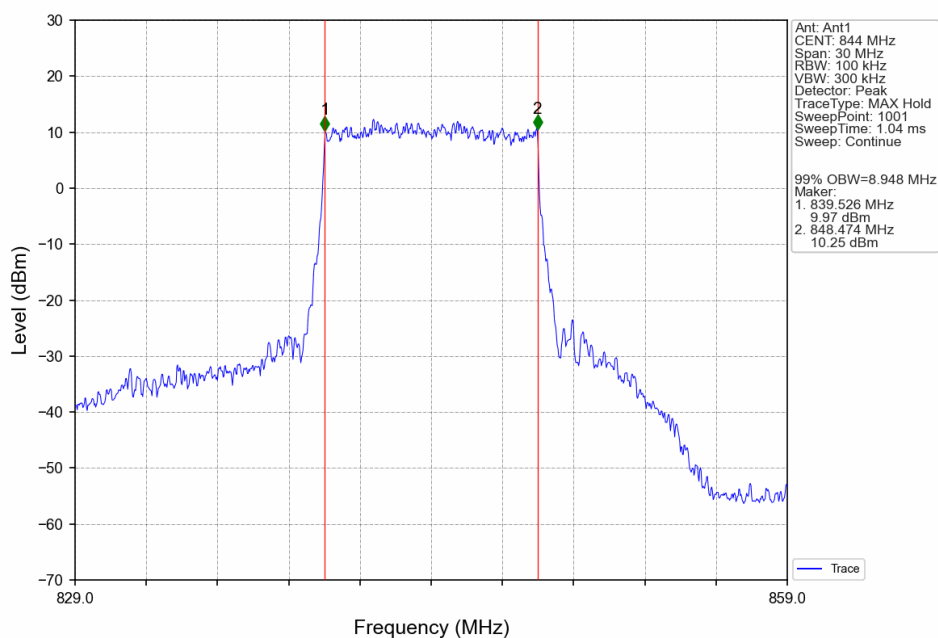


Test Report No.: RF260703B001

Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_HCH_844MHz_RB_50_0_NTNV





Test Report No.: RF260703B001

BAND EDGE AND SPURIOUS EMISSION

Test Result

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	
	5			Refer To Test Graph		Pass
	6		0	Refer To Test Graph		Pass
16QAM	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
64QAM	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

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
16QAM	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
64QAM	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

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Email:shimin.wang@boomwavelab.com



Test Report No.: RF260703B001

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
16QAM	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
64QAM	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

B5_10MHz

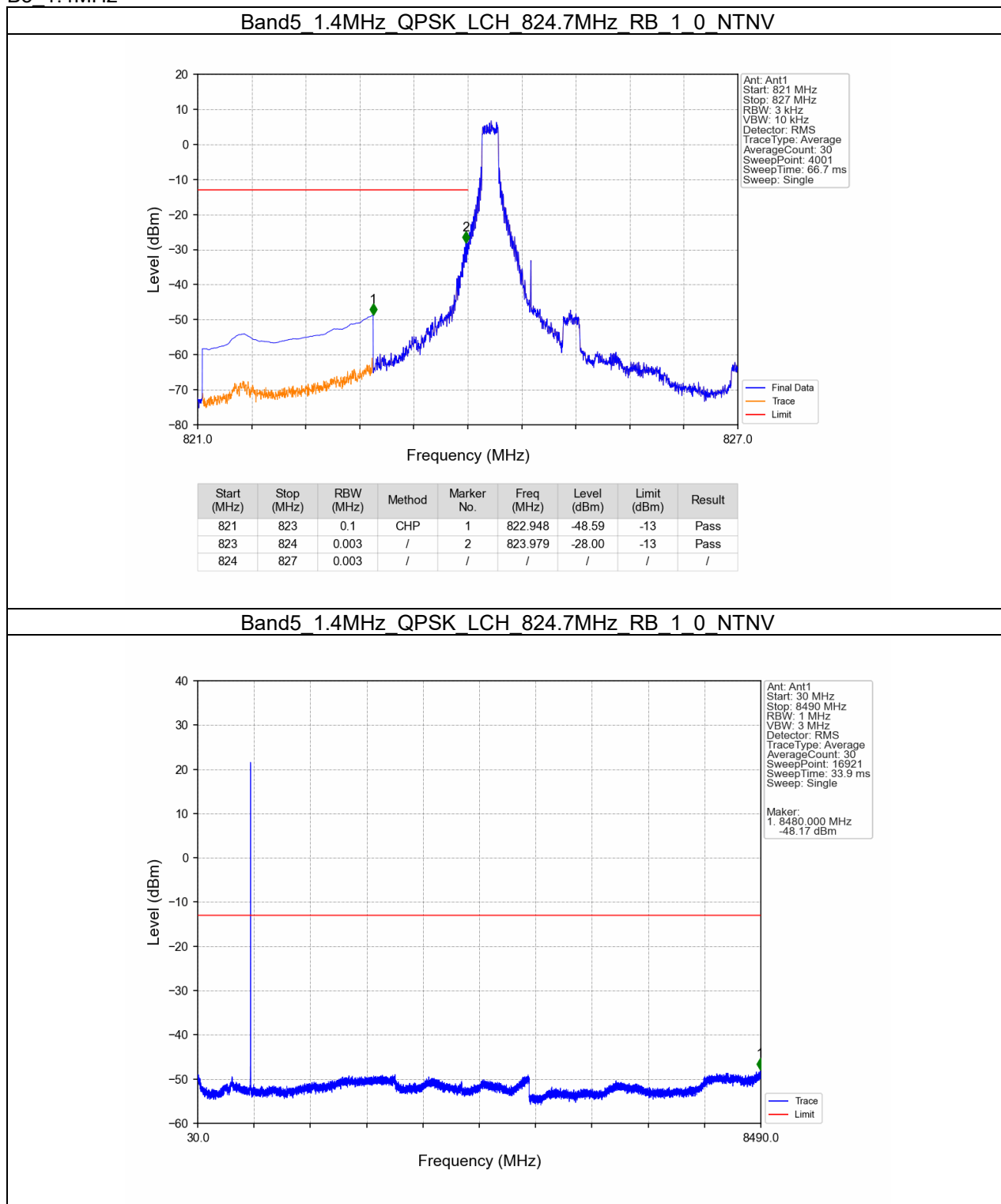
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	836.5	1	0	Refer To Test Graph	Pass	
		844	1	0	Refer To Test Graph	Pass
	49			Refer To Test Graph	Pass	
	50		0	Refer To Test Graph	Pass	
16QAM	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	
64QAM	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	



Test Report No.: RF260703B001

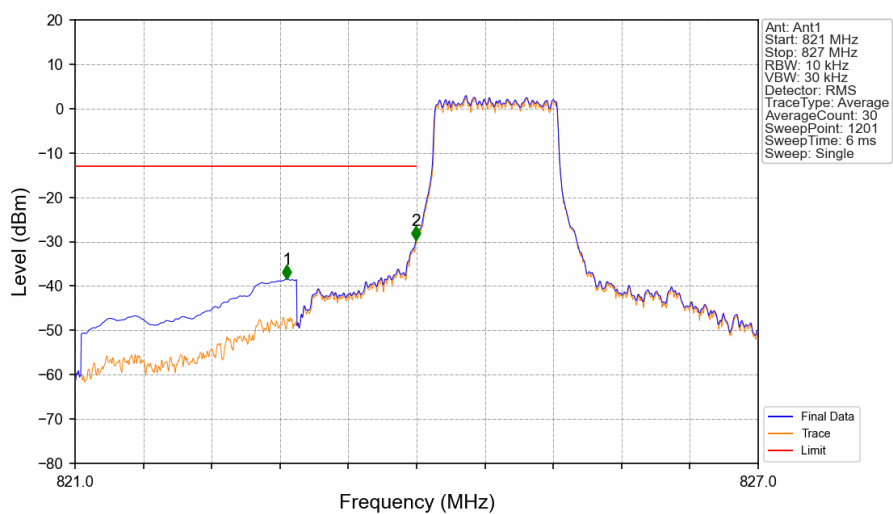
Test Graphs

B5 1.4MHz



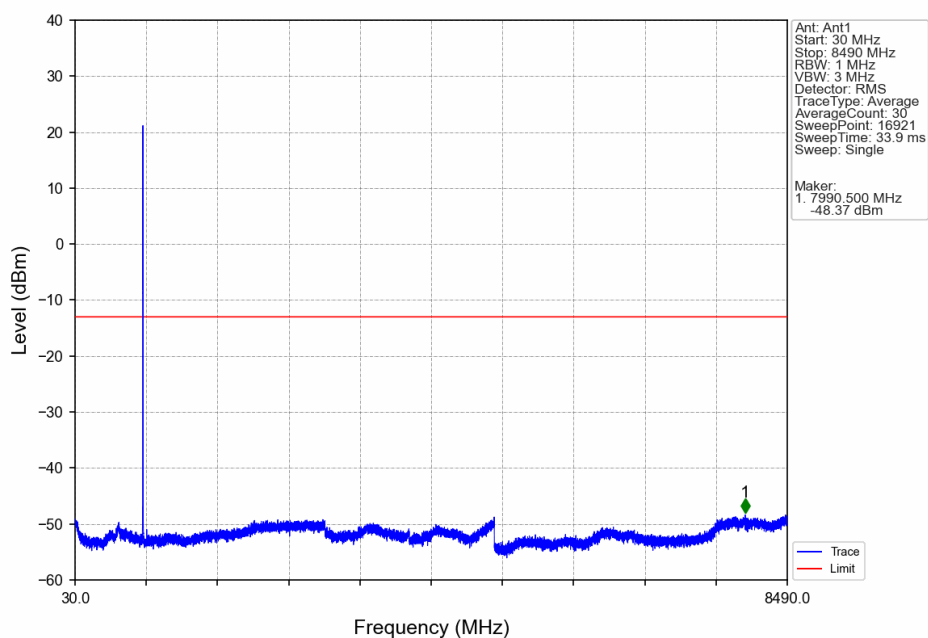
Test Report No.: RF260703B001

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



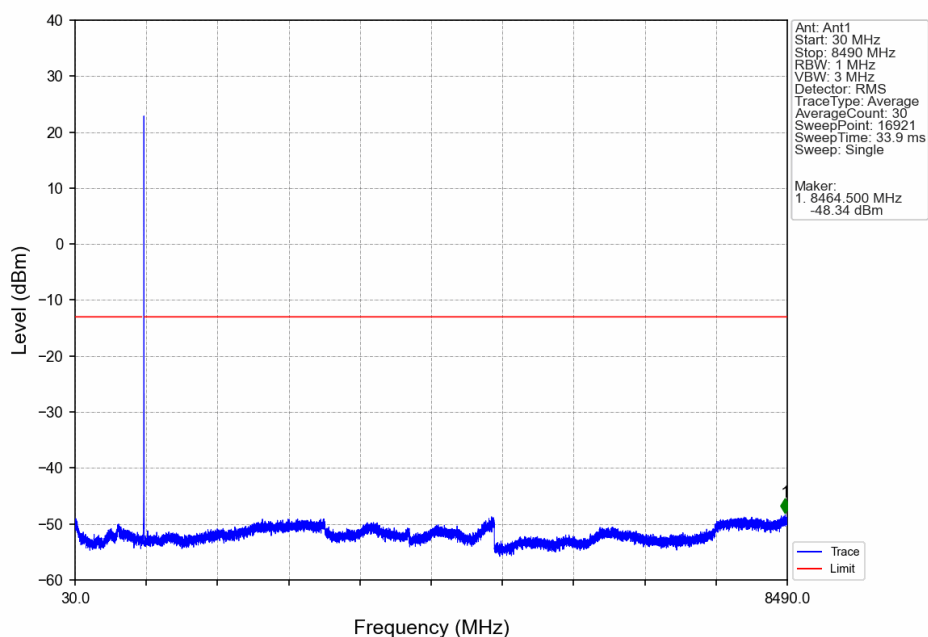
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.860	-38.41	-13	Pass
823	824	0.013	CHP	2	823.995	-29.59	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV

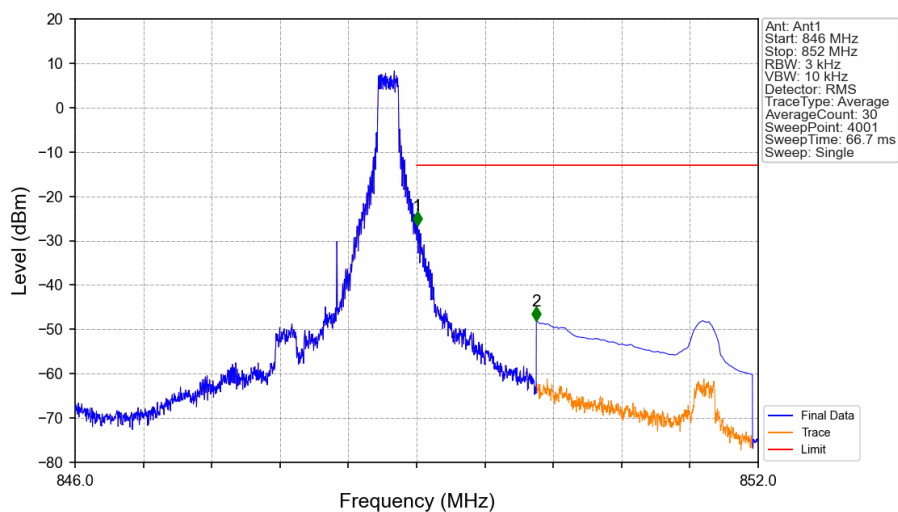


Test Report No.: RF260703B001

Band5 1.4MHz QPSK_HCH 848.3MHz_RB 1_0_NTNV



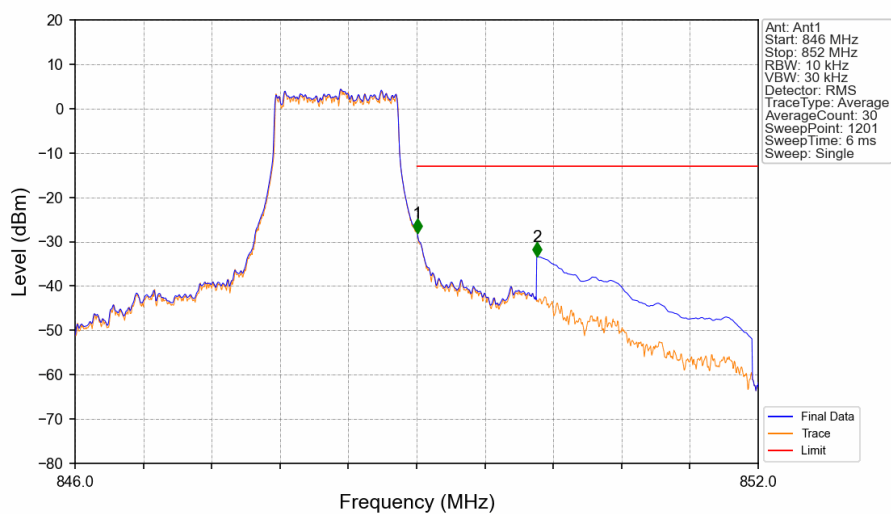
Band5 1.4MHz QPSK_HCH 848.3MHz_RB 1_5_NTNV



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	849.006	-26.63	-13	Pass
850	852	0.1	CHP	2	850.052	-48.00	-13	Pass

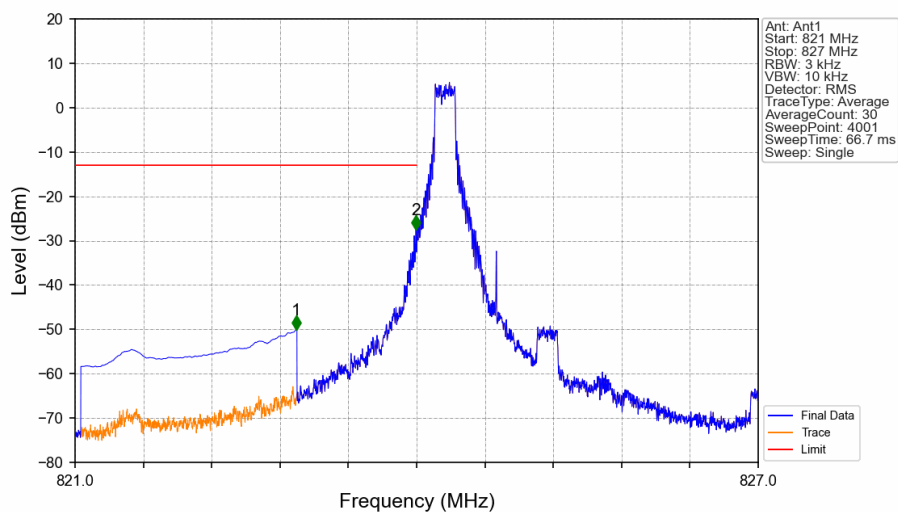
Test Report No.: RF260703B001

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	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.005	-28.08	-13	Pass
850	852	0.1	CHP	2	850.055	-33.27	-13	Pass

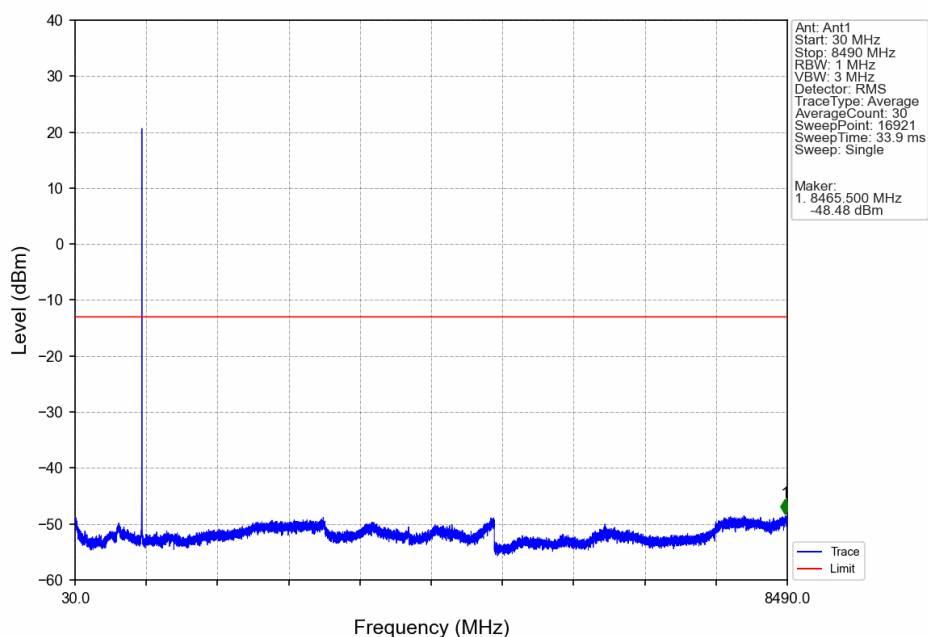
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTN



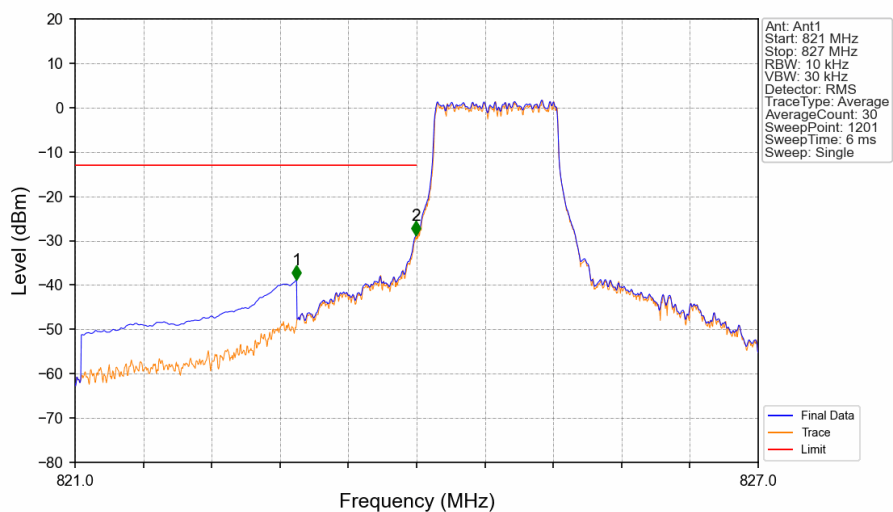
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.942	-50.11	-13	Pass
823	824	0.003	/	2	823.994	-27.51	-13	Pass
824	827	0.003	/	/	/	/	/	/

Test Report No.: RF260703B001

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

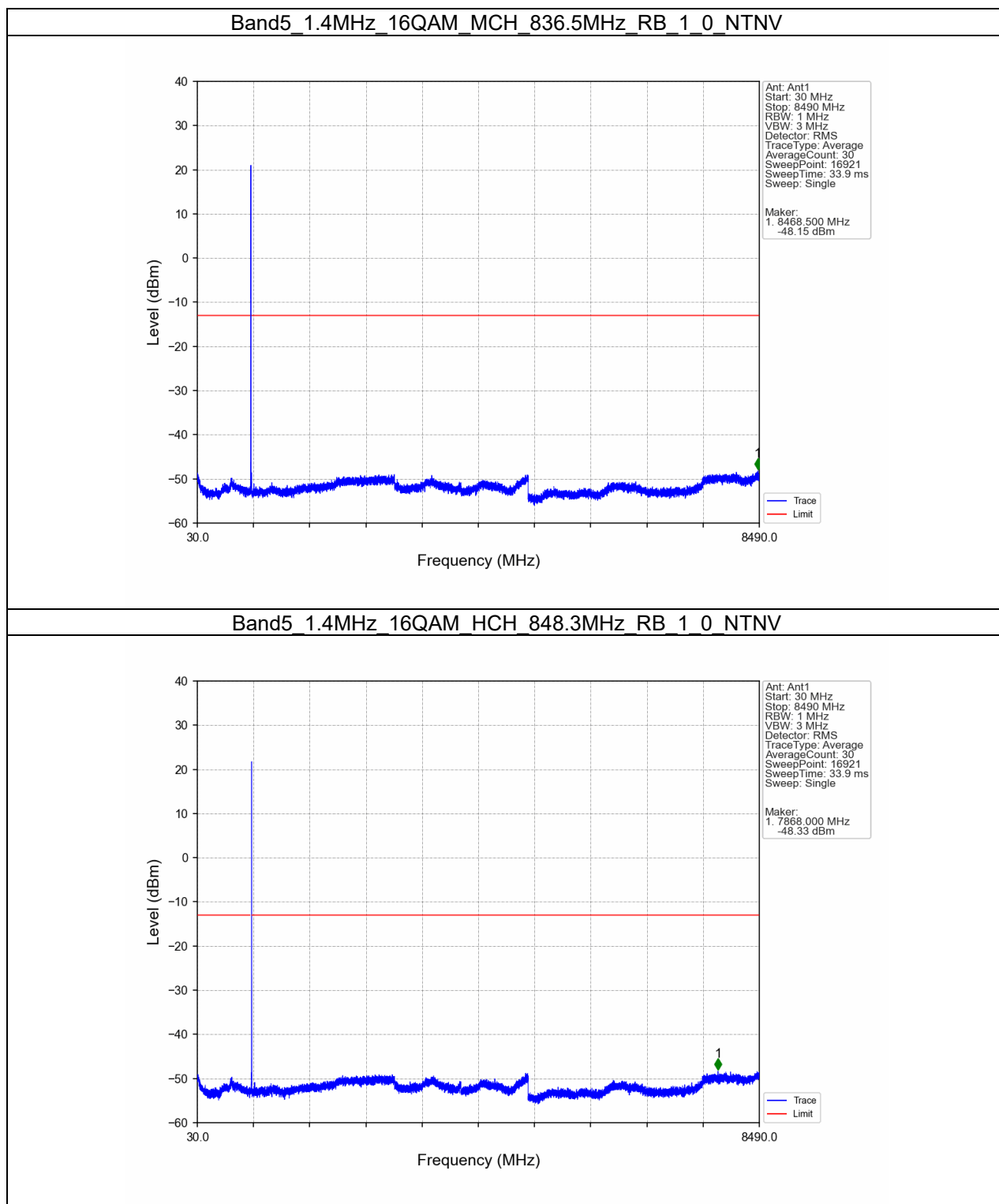


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



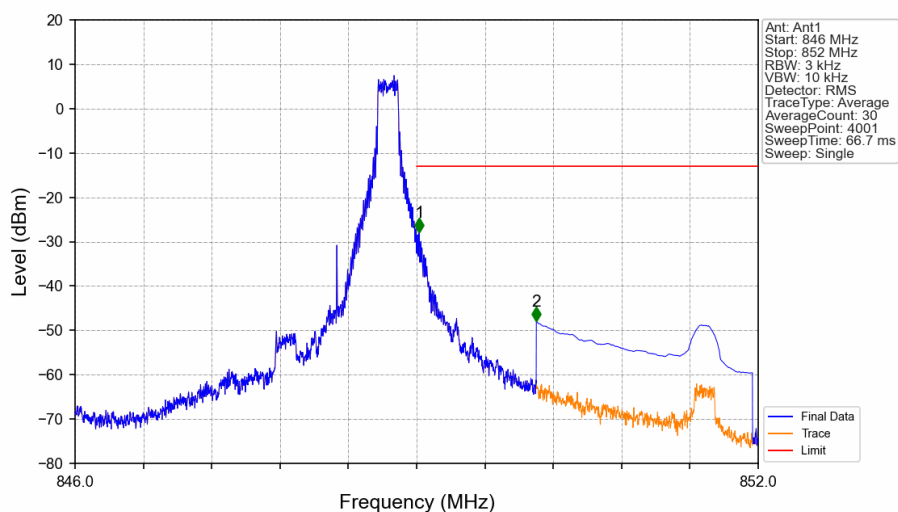
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-38.71	-13	Pass
823	824	0.013	CHP	2	823.995	-28.80	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

Test Report No.: RF260703B001

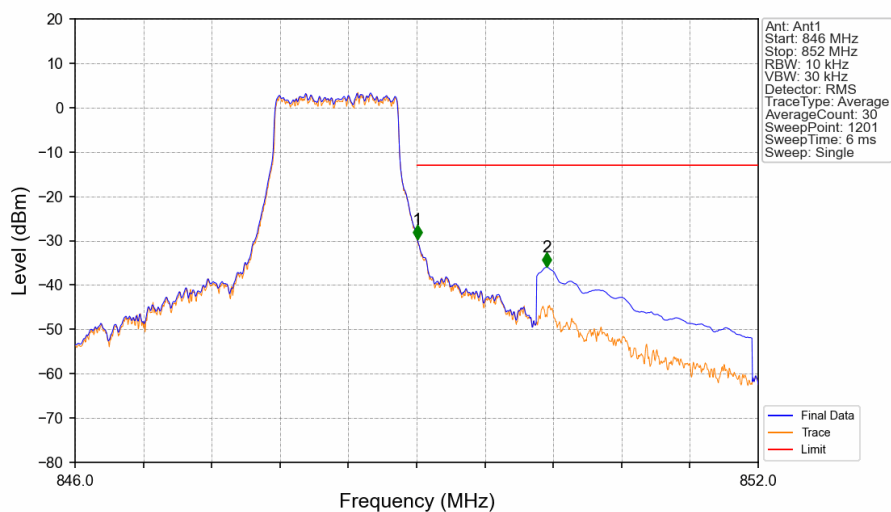


Test Report No.: RF260703B001

Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV

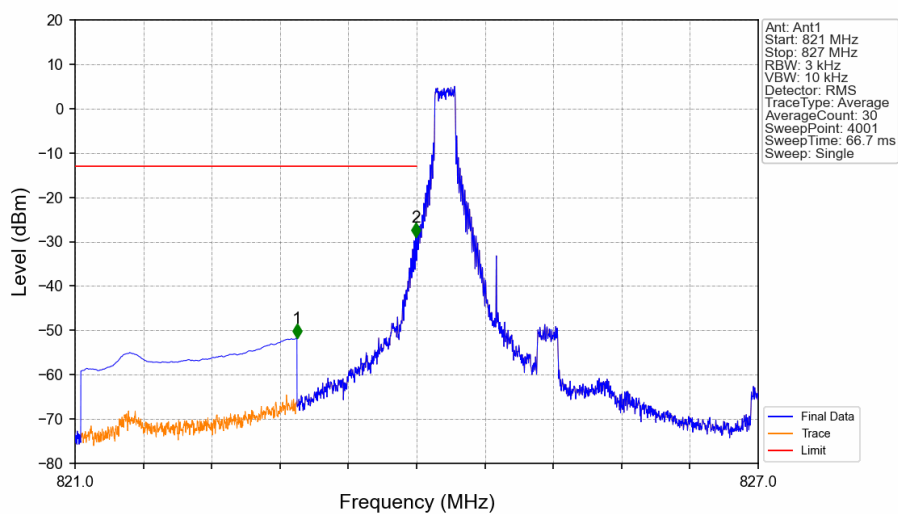


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



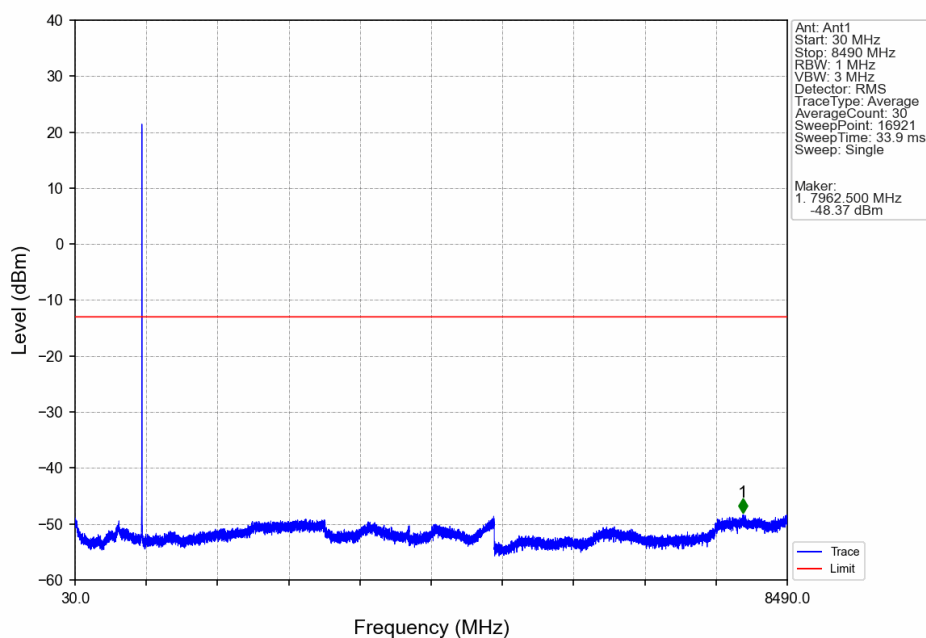
Test Report No.: RF260703B001

Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_1_0_NTNV



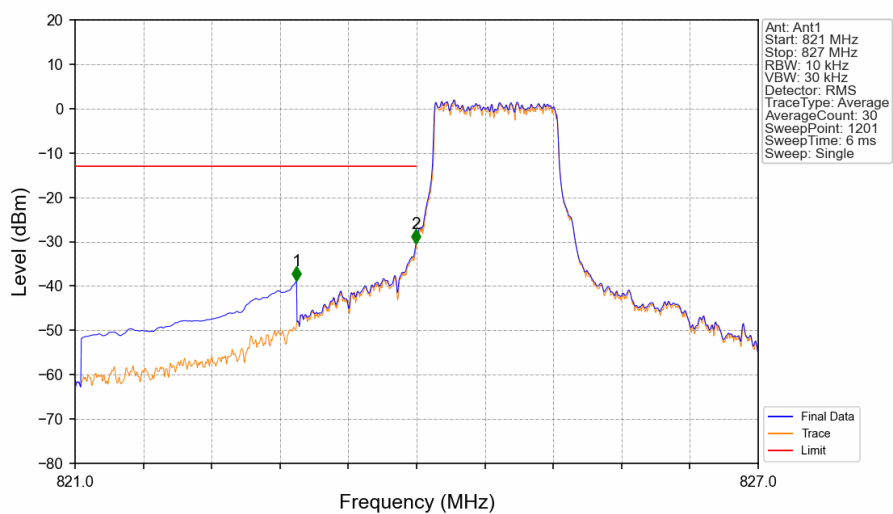
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.947	-51.67	-13	Pass
823	824	0.003	/	2	823.992	-28.93	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_1_0_NTNV



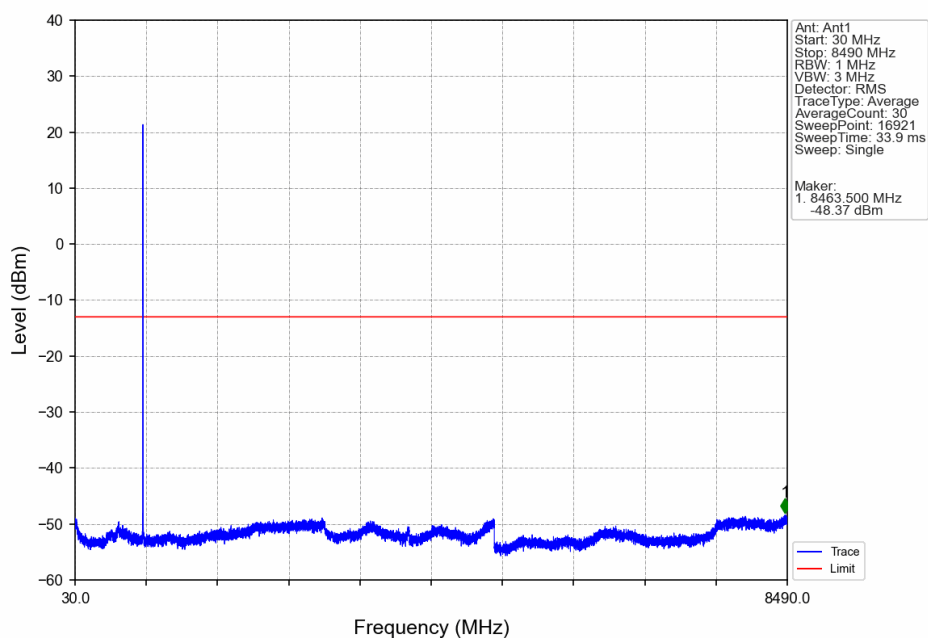
Test Report No.: RF260703B001

Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_6_0_NTNV



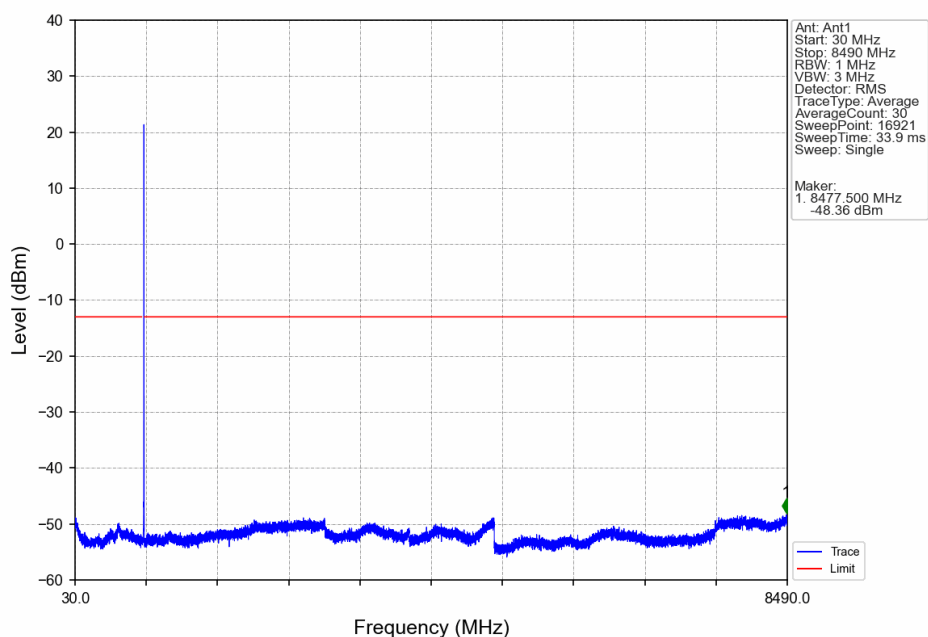
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-38.84	-13	Pass
823	824	0.013	CHP	2	823.995	-30.38	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV

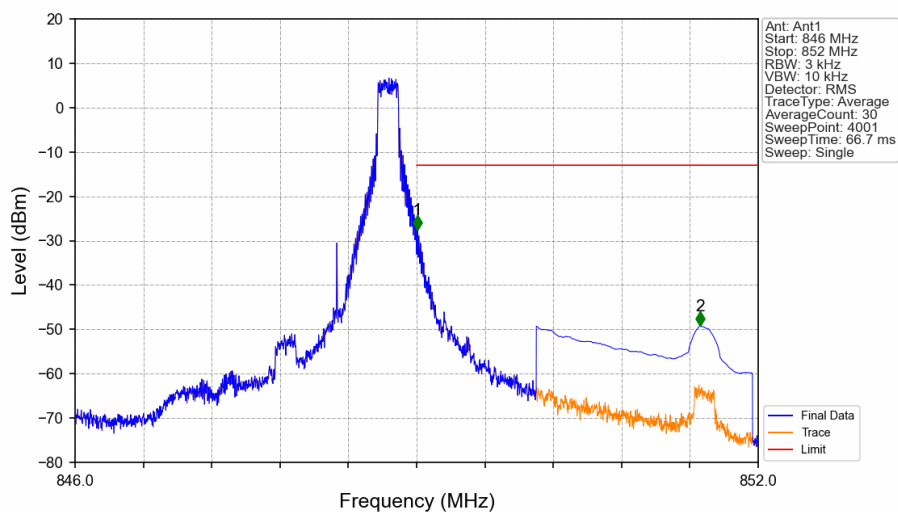


Test Report No.: RF260703B001

Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_1_0_NTNV



Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_1_5_NTNV

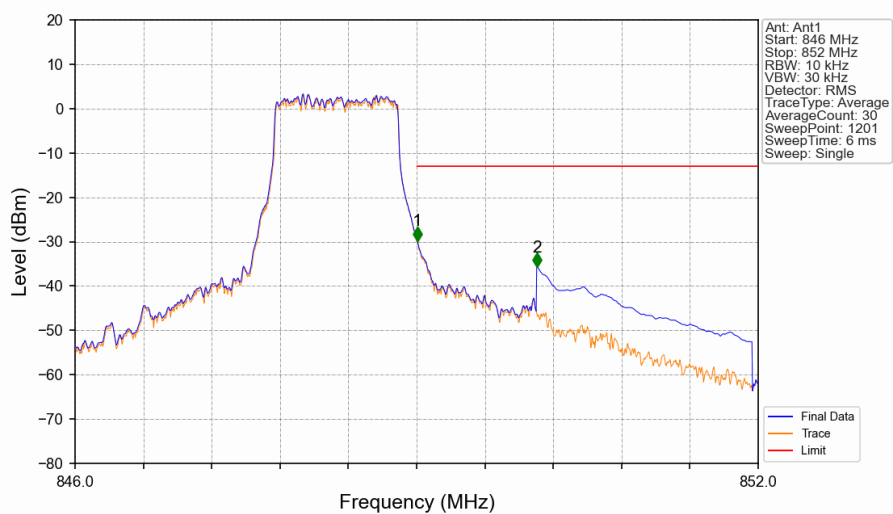


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.006	-27.57	-13	Pass
850	852	0.1	CHP	2	851.490	-49.20	-13	Pass



Test Report No.: RF260703B001

Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTNV



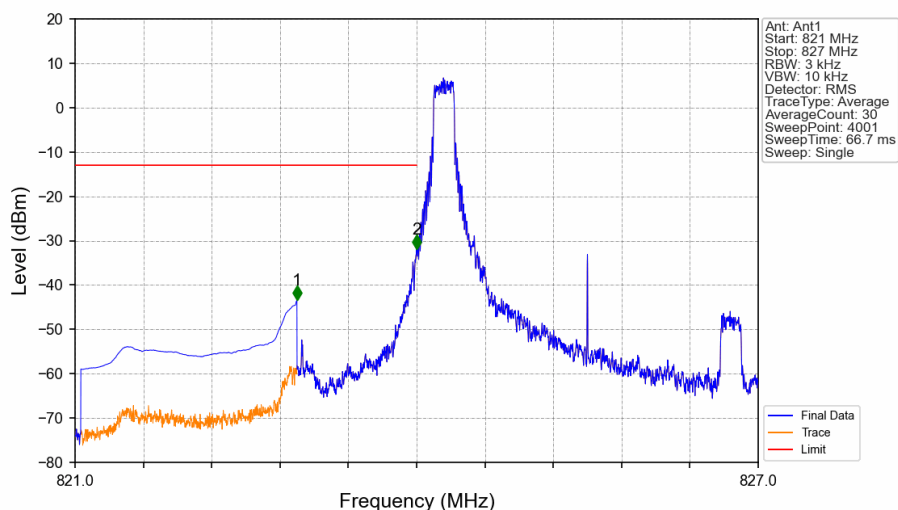
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.005	-29.76	-13	Pass
850	852	0.1	CHP	2	850.055	-35.72	-13	Pass



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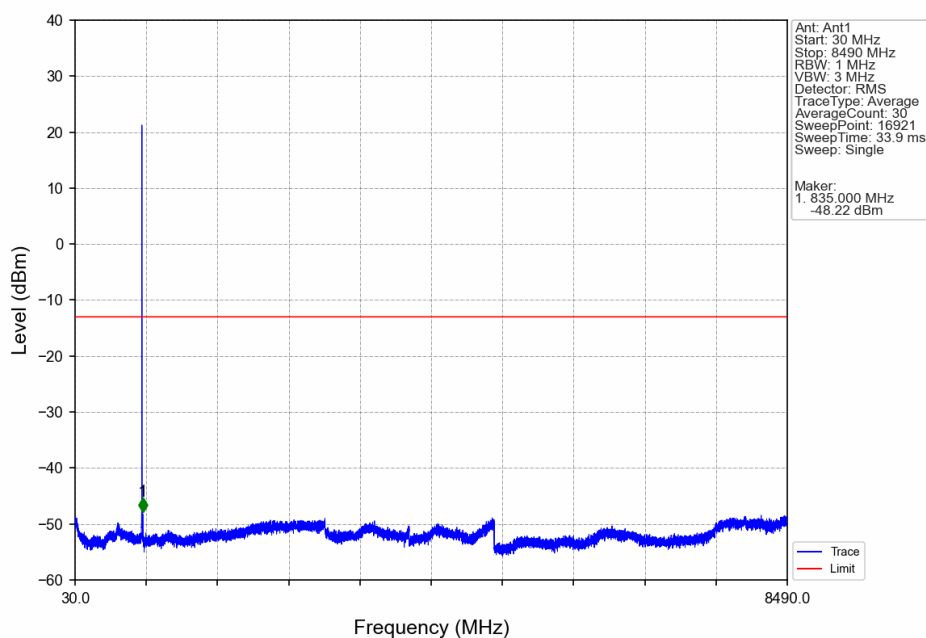
B5_3MHz

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV



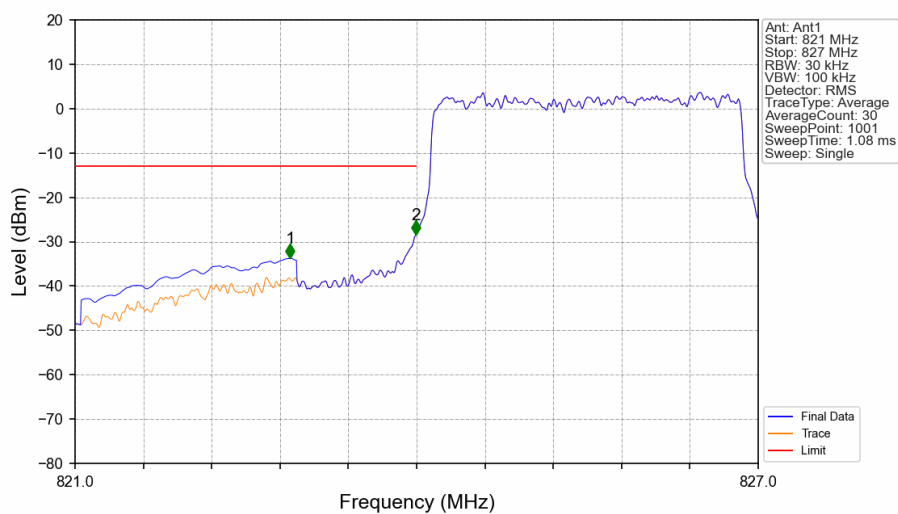
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-43.38	-13	Pass
823	824	0.003	/	2	823.999	-31.92	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV



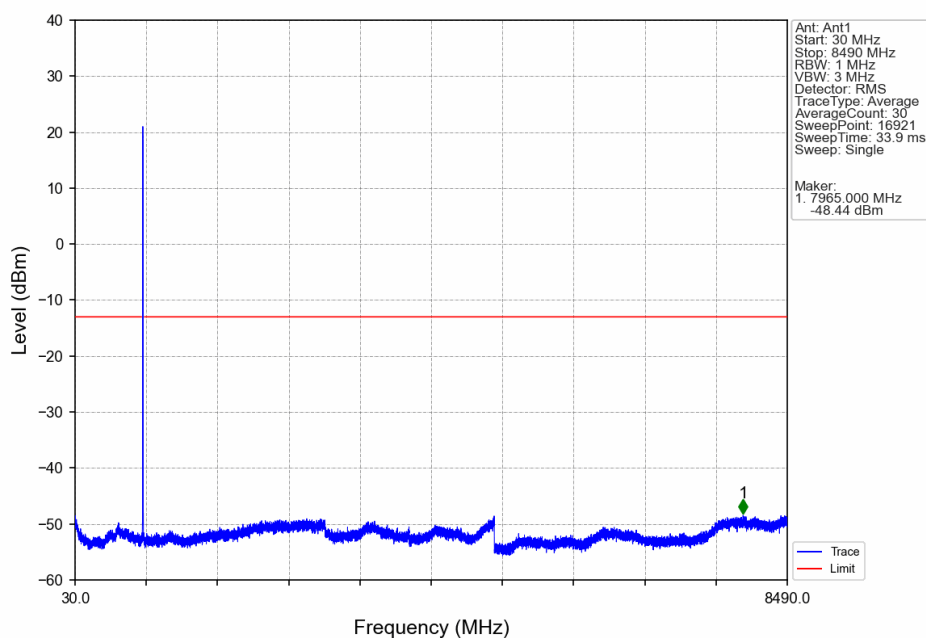
Test Report No.: RF260703B001

Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



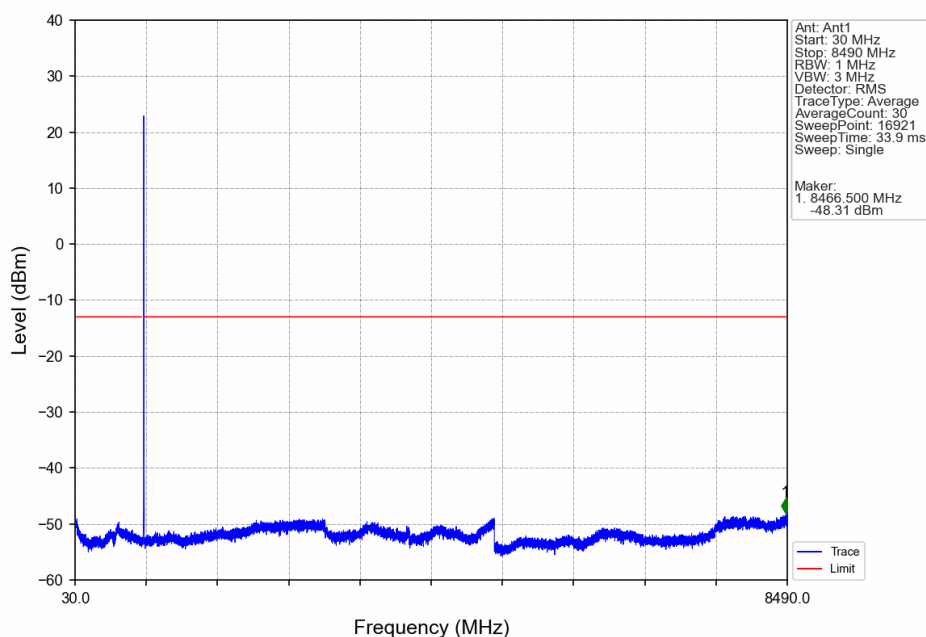
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.890	-33.75	-13	Pass
823	824	0.03	/	2	823.994	-28.45	-13	Pass
824	827	0.03	/	/	/	/	/	/

Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV

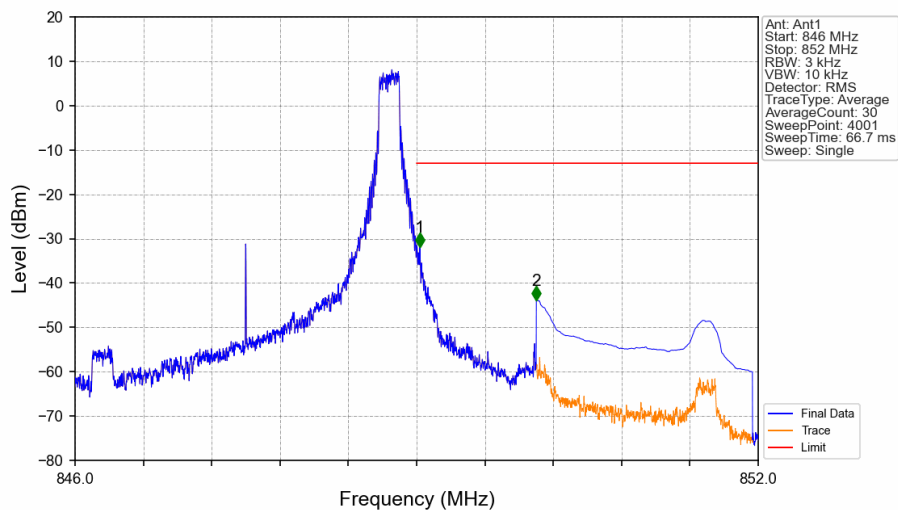


Test Report No.: RF260703B001

Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

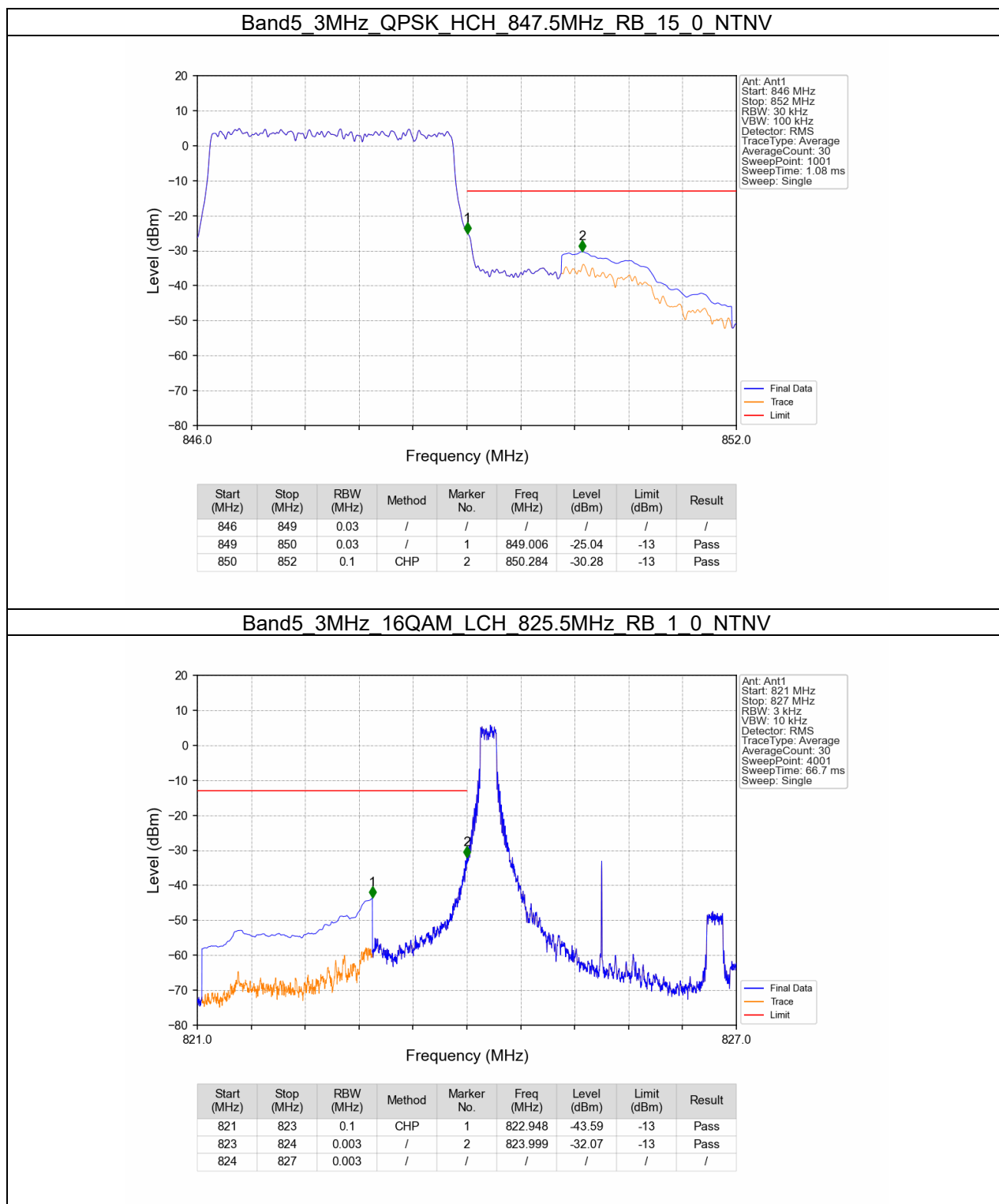


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV

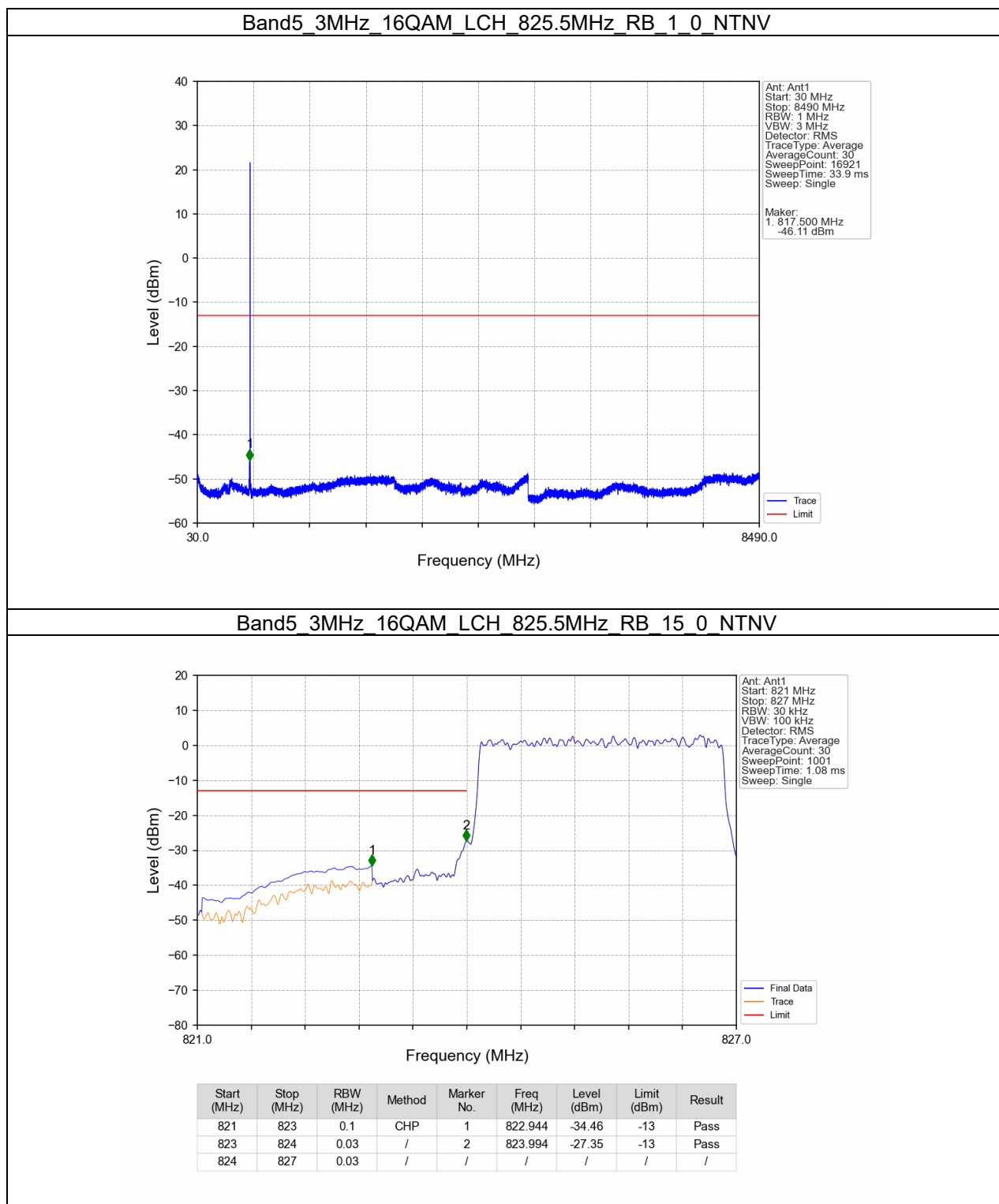


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.029	-31.83	-13	Pass
850	852	0.1	CHP	2	850.052	-43.96	-13	Pass

Test Report No.: RF260703B001



Test Report No.: RF260703B001



Test Report No.: RF260703B001

