

**7 APPENDIX****GSM 850****Frequency Stability Test Result**

Band: GSM850							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
GSM	824.2	20	3.27	1.68	0.00	-2.5 to 2.5	Pass
			3.85	10.65	0.01	-2.5 to 2.5	Pass
			4.43	9.39	0.01	-2.5 to 2.5	Pass
		-30	3.85	11.11	0.01	-2.5 to 2.5	Pass
		-20	3.85	9.11	0.01	-2.5 to 2.5	Pass
		-10	3.85	4.04	0.00	-2.5 to 2.5	Pass
		0	3.85	5.88	0.01	-2.5 to 2.5	Pass
		10	3.85	4.65	0.01	-2.5 to 2.5	Pass
		30	3.85	1.13	0.00	-2.5 to 2.5	Pass
		40	3.85	2.97	0.00	-2.5 to 2.5	Pass
		50	3.85	2.42	0.00	-2.5 to 2.5	Pass
	836.6	20	3.27	4.58	0.01	-2.5 to 2.5	Pass
			3.85	7.52	0.01	-2.5 to 2.5	Pass
			4.43	5.00	0.01	-2.5 to 2.5	Pass
		-30	3.85	11.14	0.01	-2.5 to 2.5	Pass
		-20	3.85	2.29	0.00	-2.5 to 2.5	Pass
		-10	3.85	2.33	0.00	-2.5 to 2.5	Pass
		0	3.85	4.26	0.01	-2.5 to 2.5	Pass
		10	3.85	5.46	0.01	-2.5 to 2.5	Pass
		30	3.85	9.72	0.01	-2.5 to 2.5	Pass
		40	3.85	5.36	0.01	-2.5 to 2.5	Pass
		50	3.85	6.04	0.01	-2.5 to 2.5	Pass
	848.8	20	3.27	5.65	0.01	-2.5 to 2.5	Pass
			3.85	0.10	0.00	-2.5 to 2.5	Pass
			4.43	-0.03	0.00	-2.5 to 2.5	Pass
		-30	3.85	0.23	0.00	-2.5 to 2.5	Pass
		-20	3.85	8.69	0.01	-2.5 to 2.5	Pass
		-10	3.85	5.94	0.01	-2.5 to 2.5	Pass
		0	3.85	11.14	0.01	-2.5 to 2.5	Pass
		10	3.85	13.21	0.02	-2.5 to 2.5	Pass
		30	3.85	10.14	0.01	-2.5 to 2.5	Pass
		40	3.85	8.07	0.01	-2.5 to 2.5	Pass
EGSM	824.2	20	3.27	1.13	0.00	-2.5 to 2.5	Pass
			3.85	8.17	0.01	-2.5 to 2.5	Pass
			4.43	1.13	0.00	-2.5 to 2.5	Pass
		-30	3.85	-0.61	-0.00	-2.5 to 2.5	Pass
		-20	3.85	4.78	0.01	-2.5 to 2.5	Pass
		-10	3.85	10.43	0.01	-2.5 to 2.5	Pass
		0	3.85	5.91	0.01	-2.5 to 2.5	Pass
		10	3.85	1.55	0.00	-2.5 to 2.5	Pass
		30	3.85	7.72	0.01	-2.5 to 2.5	Pass
		40	3.85	0.23	0.00	-2.5 to 2.5	Pass
		50	3.85	8.14	0.01	-2.5 to 2.5	Pass
	836.6	20	3.27	0.61	0.00	-2.5 to 2.5	Pass
			3.85	3.49	0.00	-2.5 to 2.5	Pass
			4.43	8.10	0.01	-2.5 to 2.5	Pass
		-30	3.85	10.30	0.01	-2.5 to 2.5	Pass
		-20	3.85	6.30	0.01	-2.5 to 2.5	Pass
		-10	3.85	1.91	0.00	-2.5 to 2.5	Pass
		0	3.85	5.49	0.01	-2.5 to 2.5	Pass
		10	3.85	10.17	0.01	-2.5 to 2.5	Pass



# Test Report No.: W7L-P22090015-4RF04

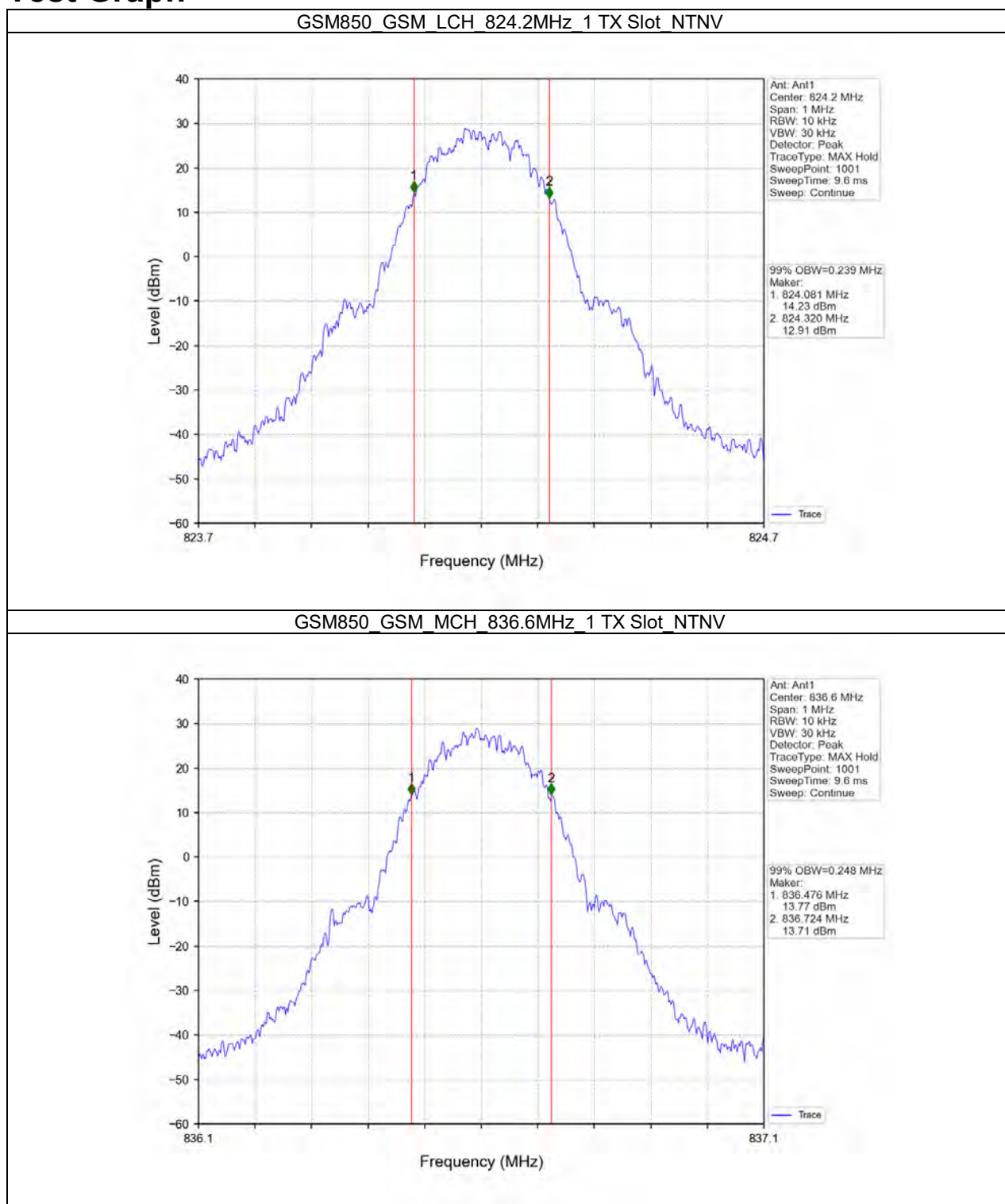
		30	3.85	9.01	0.01	-2.5 to 2.5	Pass
		40	3.85	1.65	0.00	-2.5 to 2.5	Pass
		50	3.85	4.29	0.01	-2.5 to 2.5	Pass
	848.8	20	3.27	12.75	0.01	-2.5 to 2.5	Pass
			3.85	16.92	0.02	-2.5 to 2.5	Pass
			4.43	9.59	0.01	-2.5 to 2.5	Pass
		-30	3.85	11.37	0.01	-2.5 to 2.5	Pass
		-20	3.85	8.49	0.01	-2.5 to 2.5	Pass
		-10	3.85	11.78	0.01	-2.5 to 2.5	Pass
		0	3.85	16.89	0.02	-2.5 to 2.5	Pass
		10	3.85	9.36	0.01	-2.5 to 2.5	Pass
		30	3.85	12.98	0.02	-2.5 to 2.5	Pass
		40	3.85	17.85	0.02	-2.5 to 2.5	Pass
		50	3.85	9.56	0.01	-2.5 to 2.5	Pass



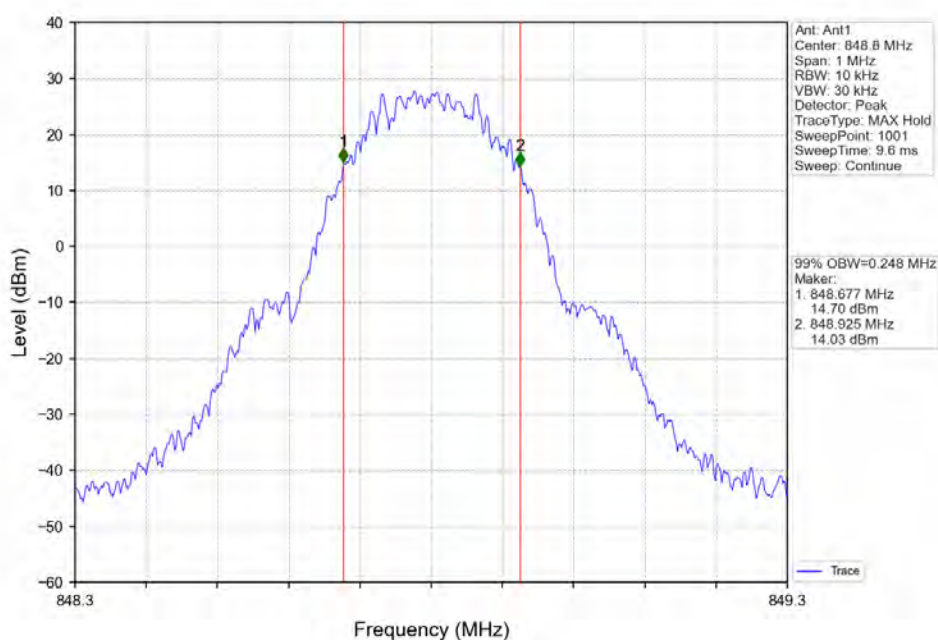
## 99% & 26dB Bandwidth 99%\_OBW Test Result

Band: GSM850					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	GSM	1 TX Slot	824.2	0.239	Pass
			836.6	0.248	Pass
			848.8	0.248	Pass
	EGSM	1 TX Slot	824.2	0.252	Pass
			836.6	0.250	Pass
			848.8	0.256	Pass

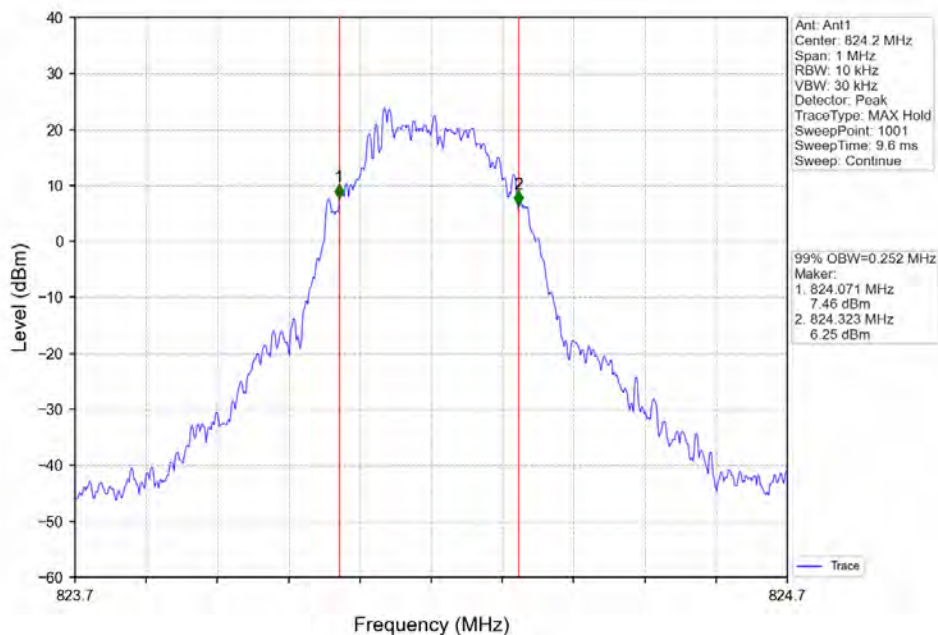
## Test Graph



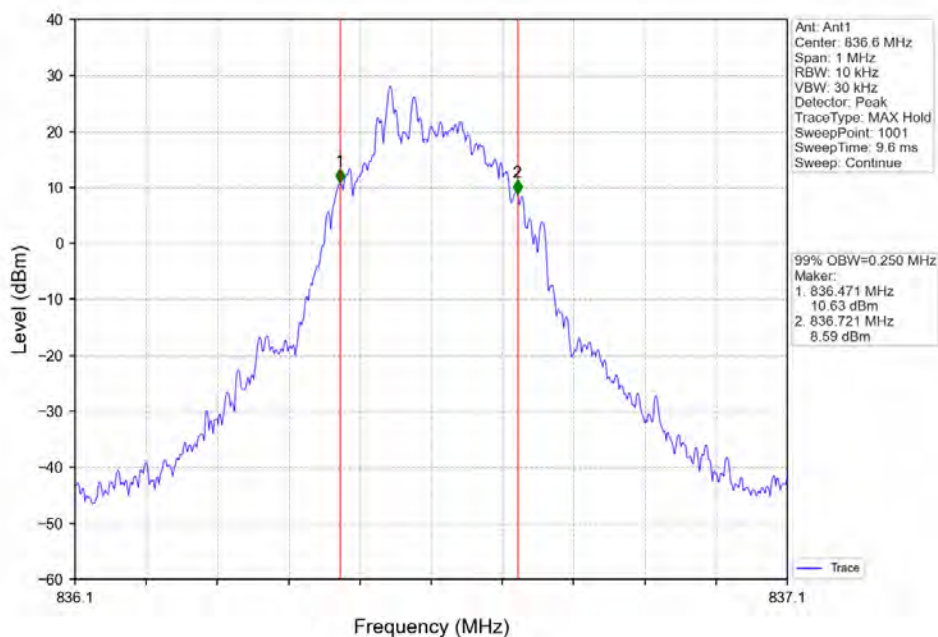
GSM850 GSM HCH 848.8MHz 1 TX Slot\_NTNV



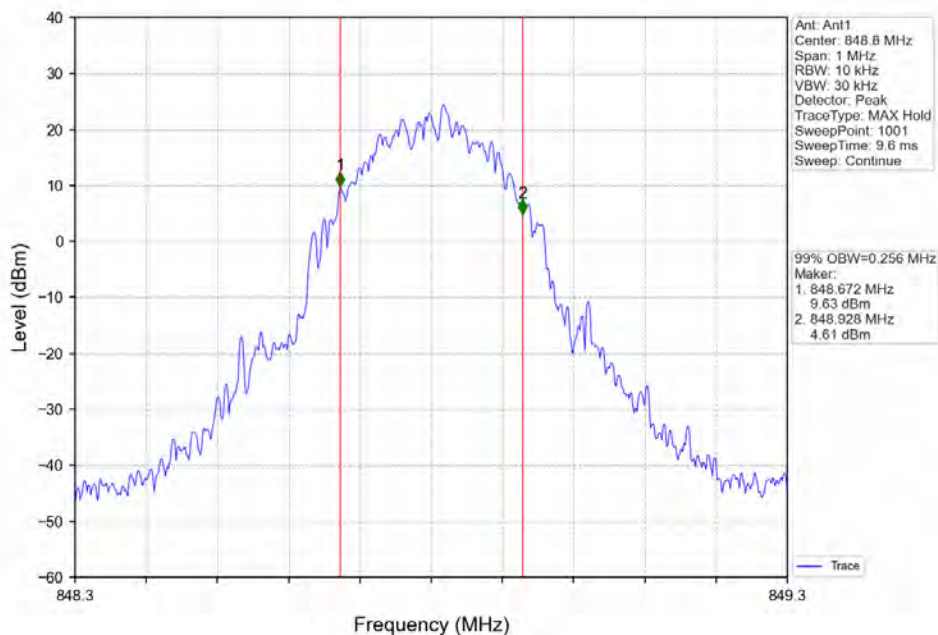
GSM850 EGSM LCH 824.2MHz 1 TX Slot\_NTNV



GSM850\_EGSM\_MCH\_836.6MHz\_1 TX Slot\_NTNV



GSM850\_EGSM\_HCH\_848.8MHz\_1 TX Slot\_NTNV



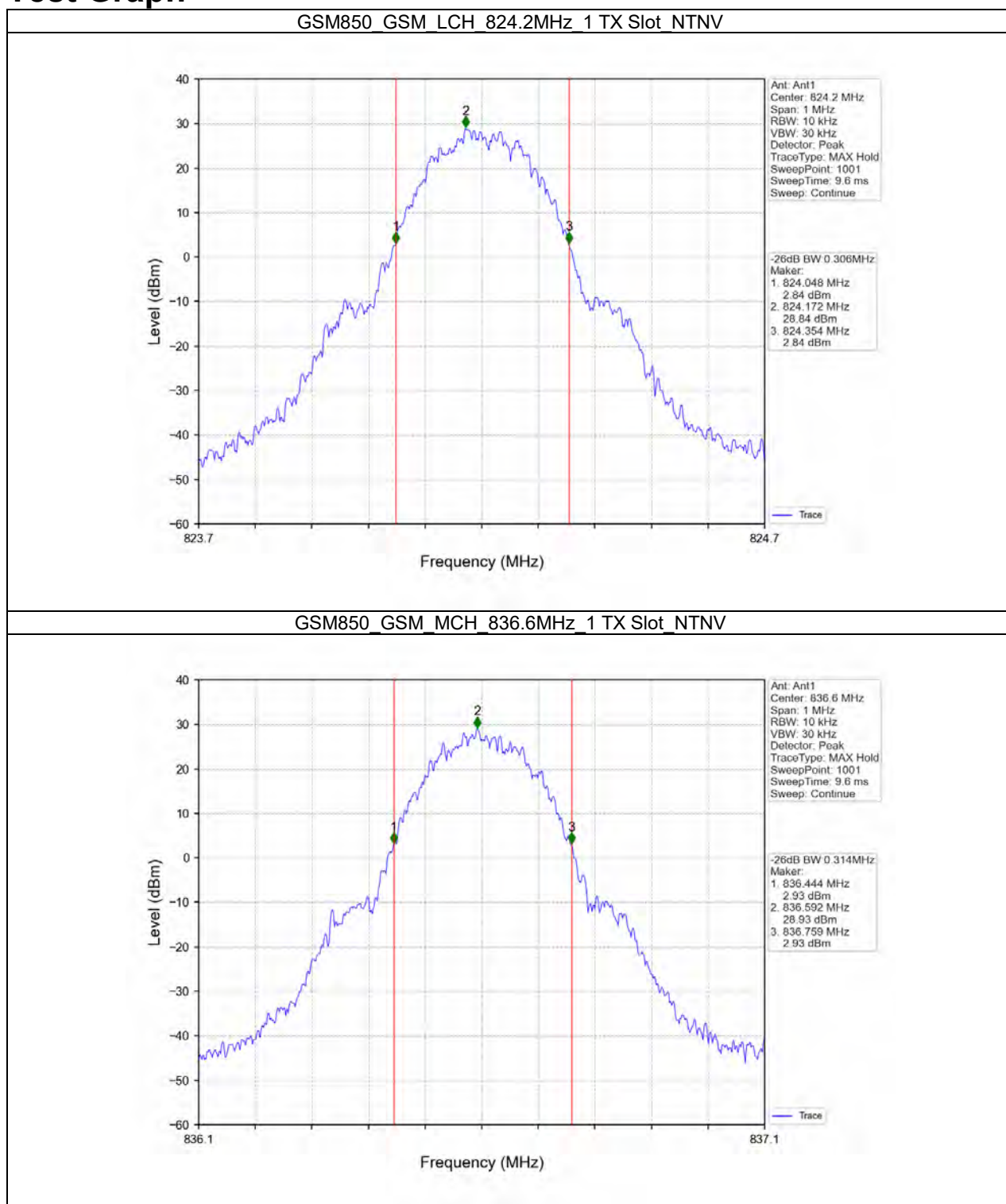


## 26DB\_OBW Test Result

Band: GSM850					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	GSM	1 TX Slot	824.2	0.306	Pass
			836.6	0.314	Pass
			848.8	0.321	Pass
	EGSM	1 TX Slot	824.2	0.309	Pass
			836.6	0.309	Pass
			848.8	0.330	Pass

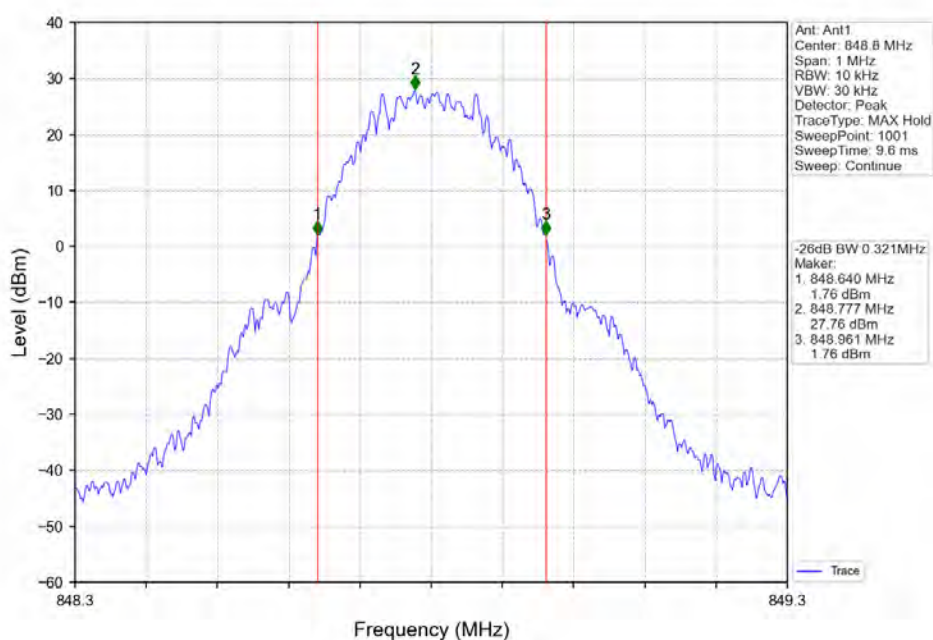


## Test Graph

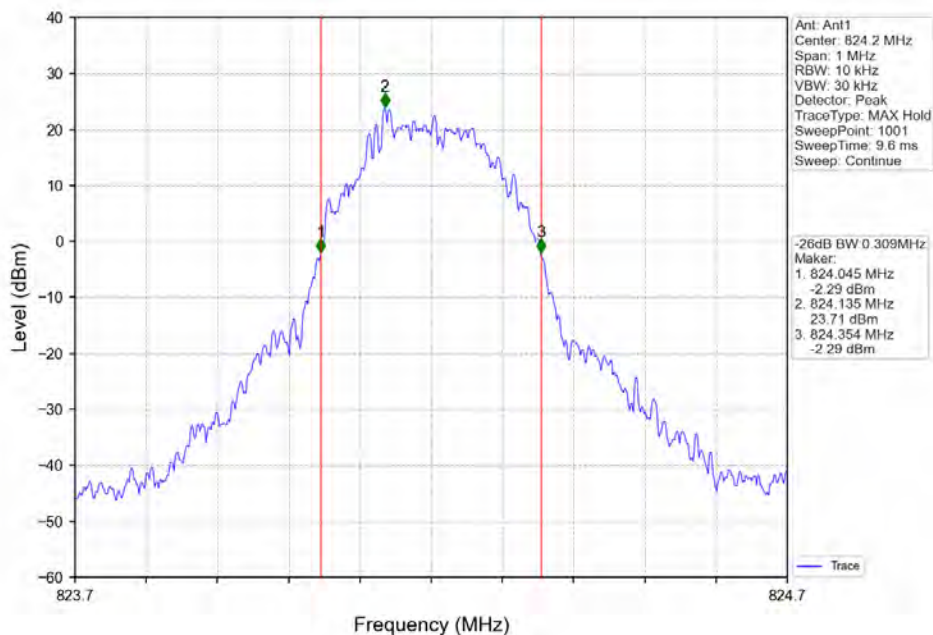




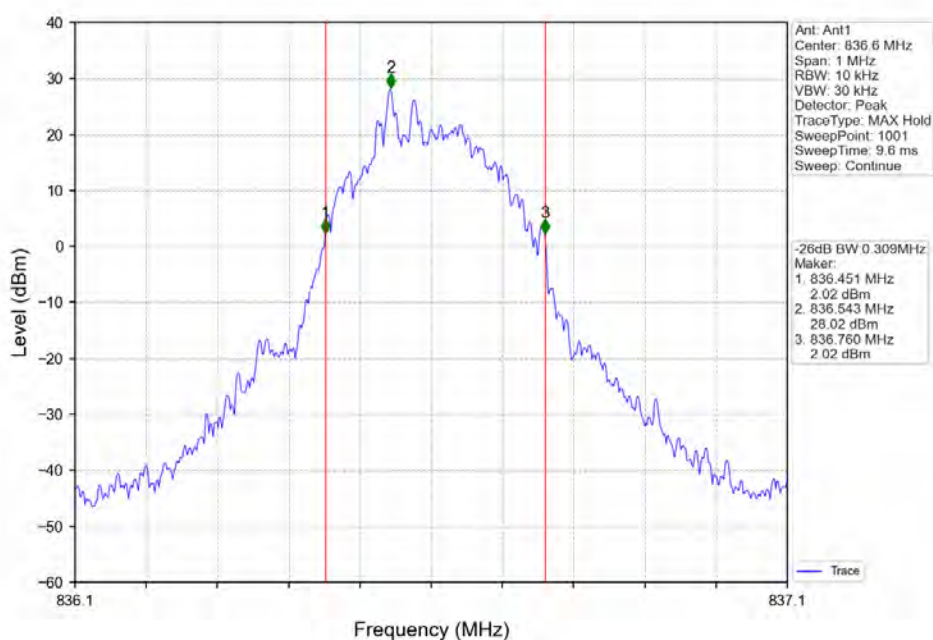
GSM850 GSM\_HCH 848.8MHz 1 TX Slot\_NTNV



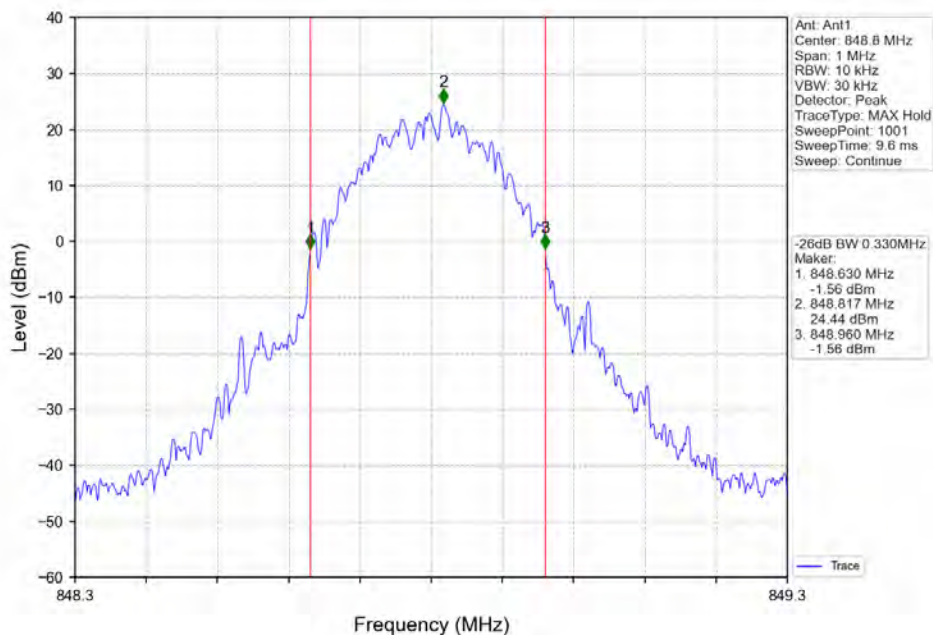
GSM850 EGSM\_LCH 824.2MHz 1 TX Slot\_NTNV



GSM850\_EGSM\_MCH\_836.6MHz\_1 TX Slot\_NTNV



GSM850\_EGSM\_HCH\_848.8MHz\_1 TX Slot\_NTNV

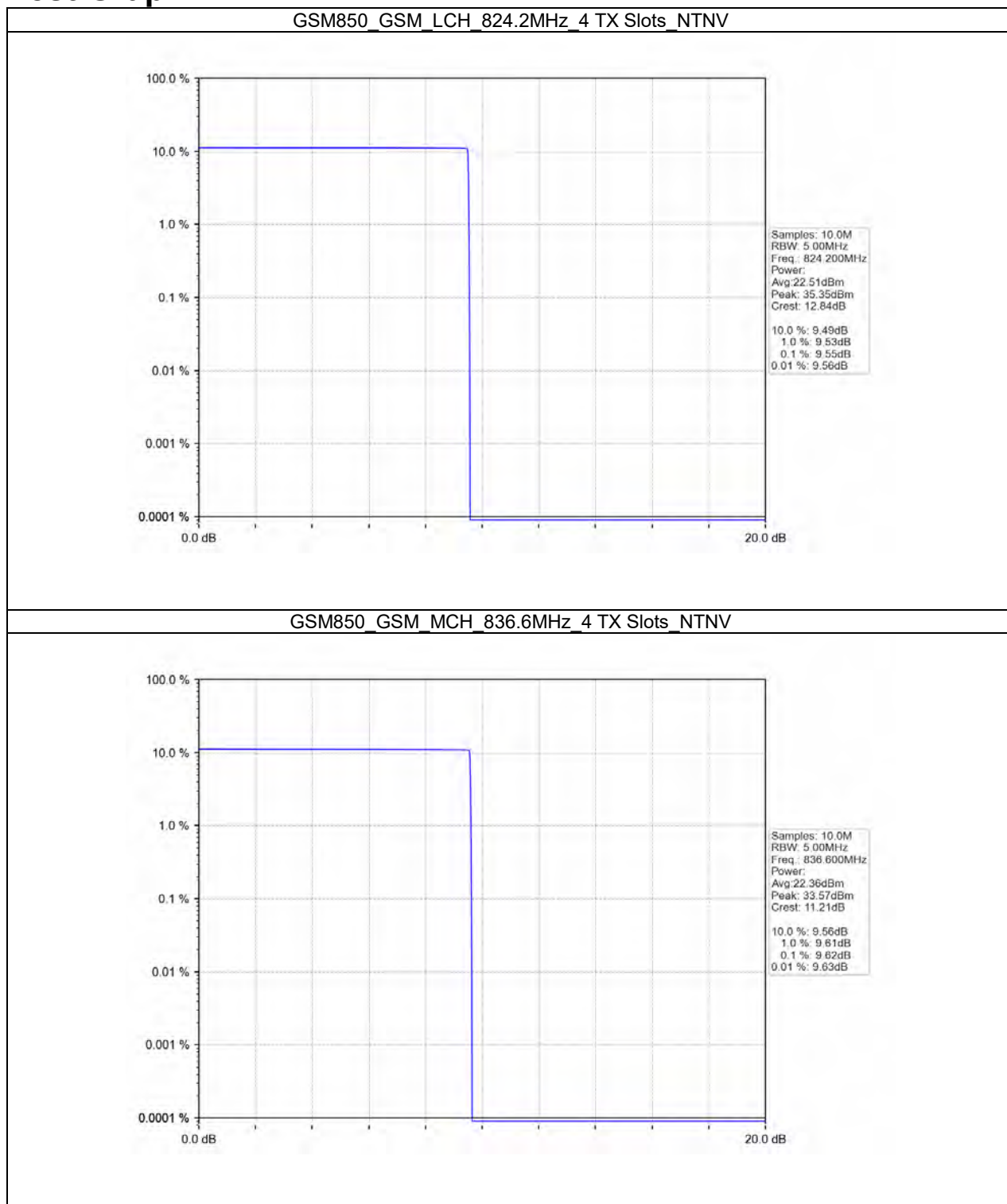




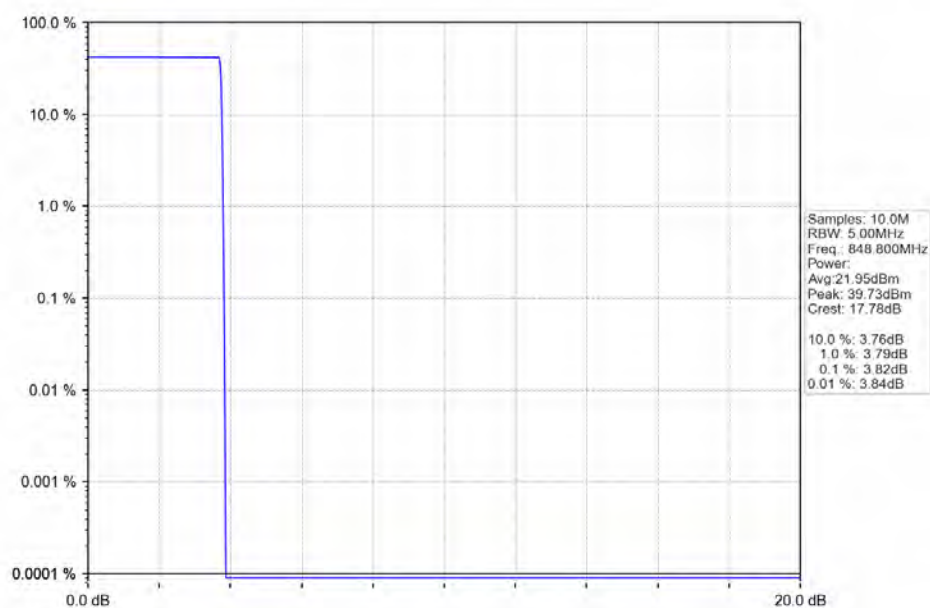
## Peak-Average Ratio Test Result

Band: GSM850						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	GSM	4 TX Slots	824.2	9.55	<=13	Pass
			836.6	9.62	<=13	Pass
			848.8	3.82	<=13	Pass
	EGSM	4 TX Slots	824.2	7.32	<=13	Pass
			836.6	6.20	<=13	Pass
			848.8	7.25	<=13	Pass

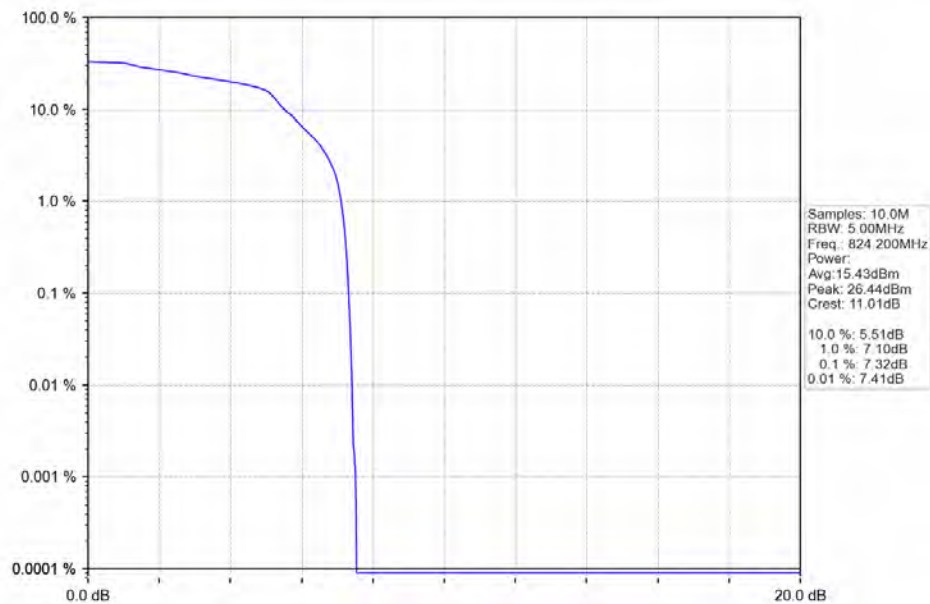
## Test Graph



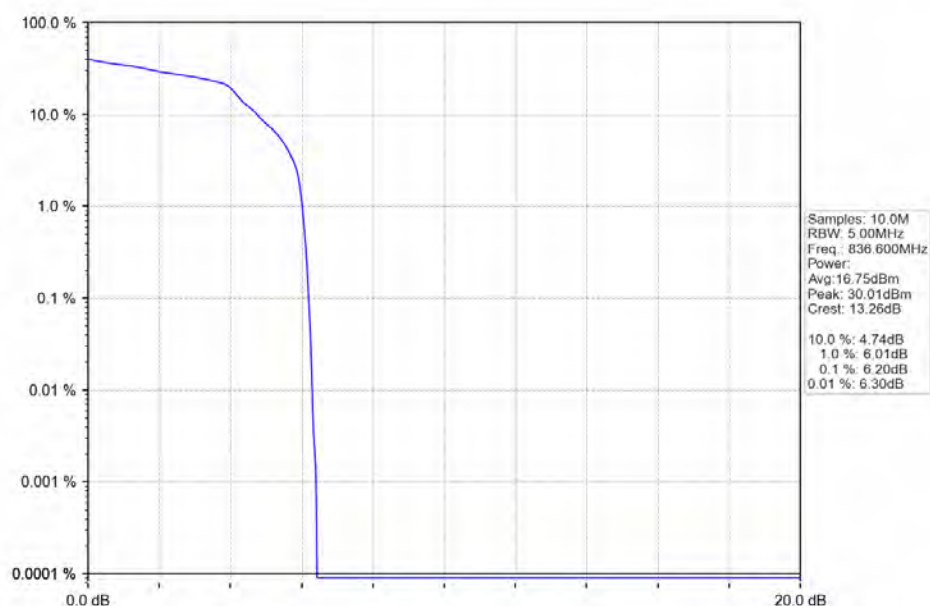
**GSM850 GSM HCH 848.8MHz 4 TX Slots NTNV**



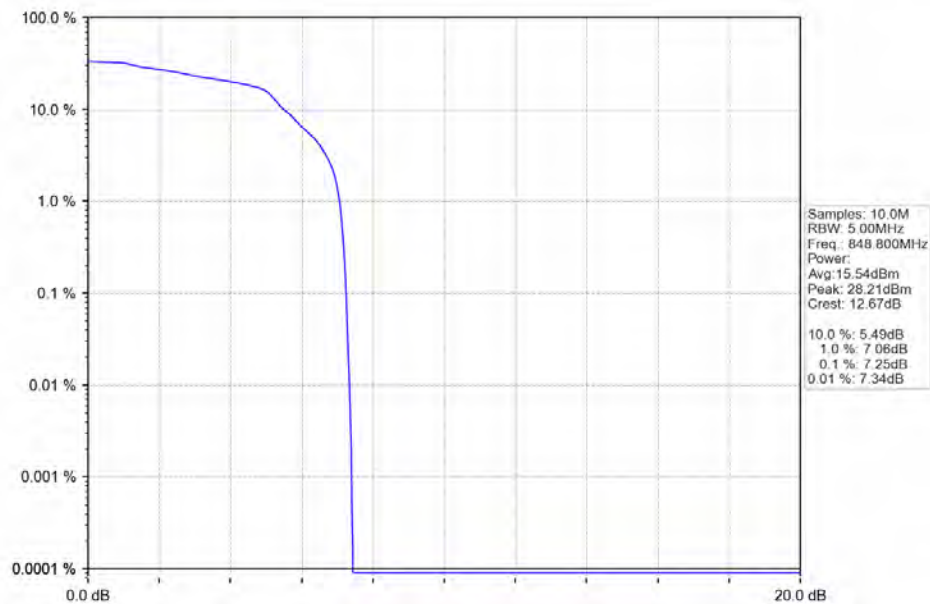
**GSM850 EGSM LCH 824.2MHz 4 TX Slots NTNV**



**GSM850\_EGSM\_MCH\_836.6MHz\_4 TX Slots\_NTNV**



**GSM850\_EGSM\_HCH\_848.8MHz\_4 TX Slots\_NTNV**



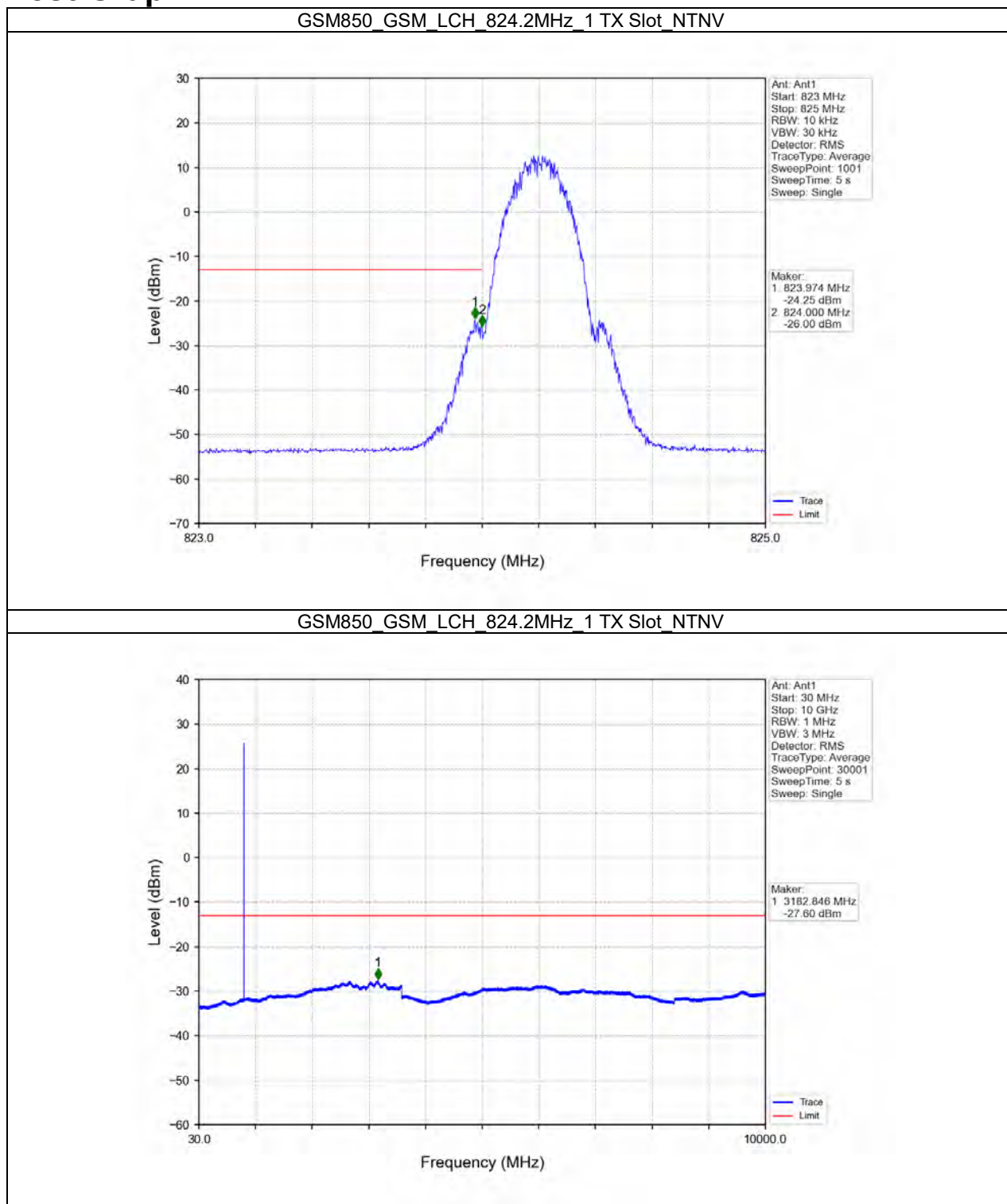


## Spurious Emission Test Result

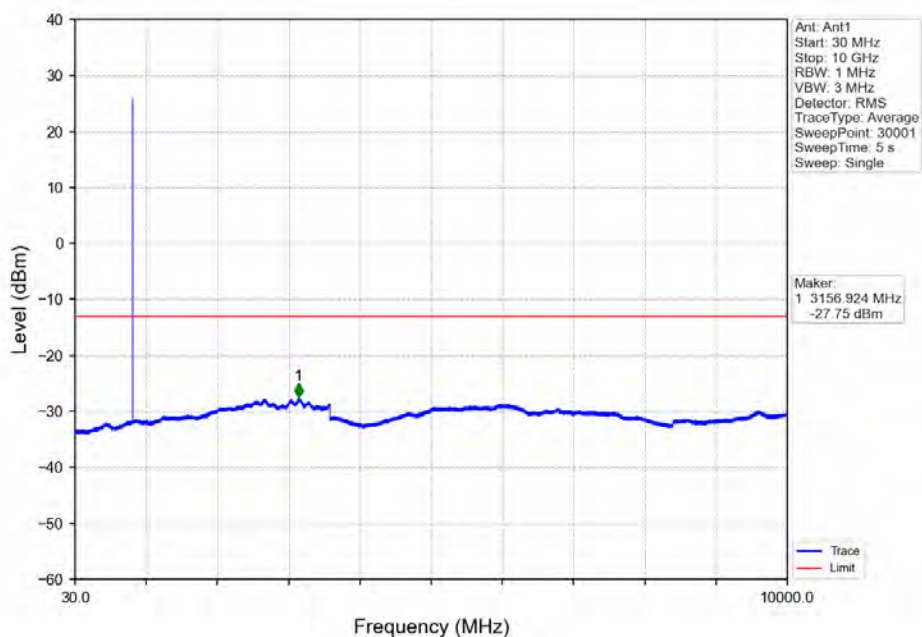
Band: GSM850						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	GSM	1 TX Slot	824.2	Refer To Test Graph		Pass
			836.6	Refer To Test Graph		Pass
			848.8	Refer To Test Graph		Pass
	EGSM	1 TX Slot	824.2	Refer To Test Graph		Pass
			836.6	Refer To Test Graph		Pass
			848.8	Refer To Test Graph		Pass



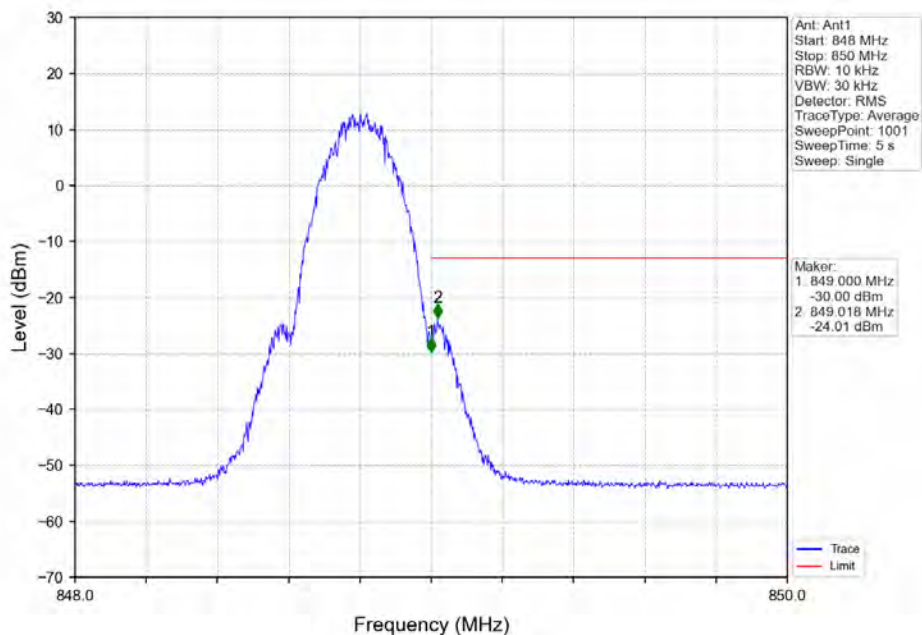
## Test Graph



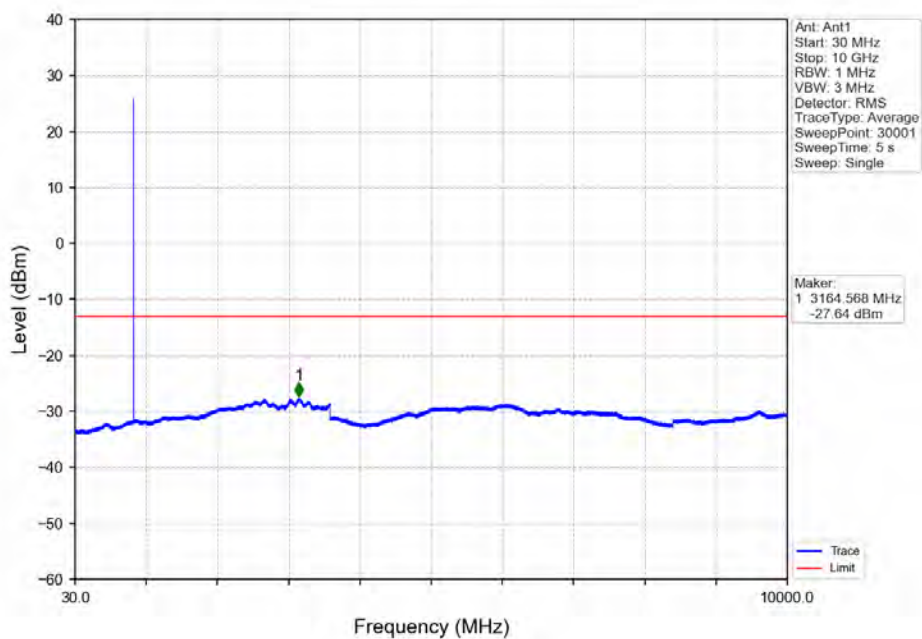
GSM850 GSM MCH 836.6MHz 1 TX Slot NTN



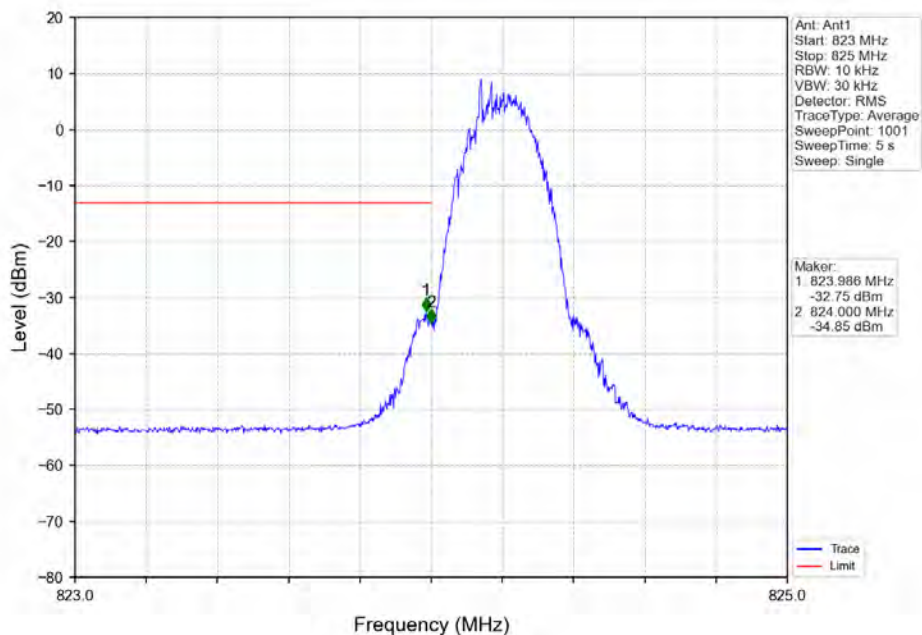
GSM850 GSM HCH 848.8MHz 1 TX Slot NTN



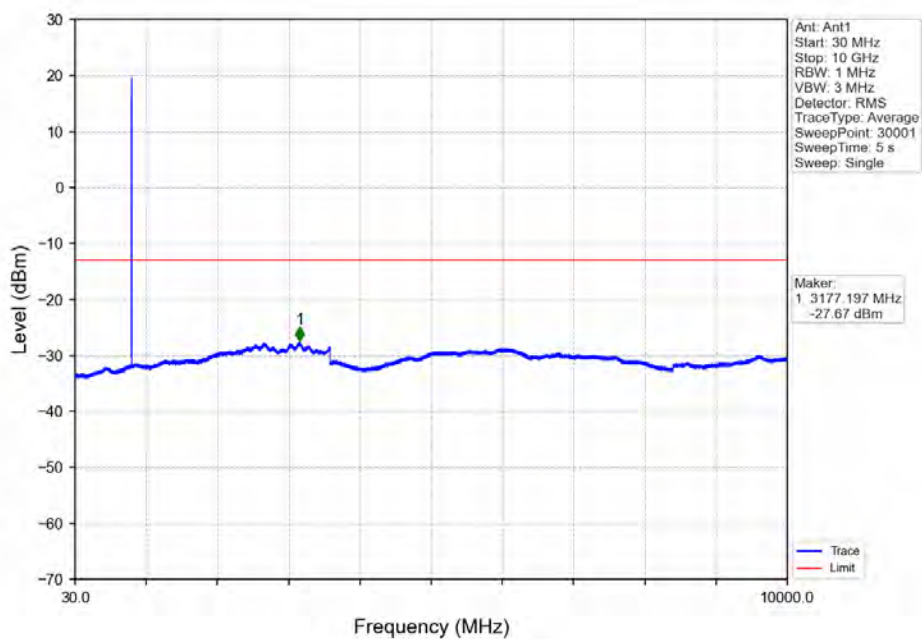
GSM850 GSM HCH 848.8MHz 1 TX Slot\_NTNV



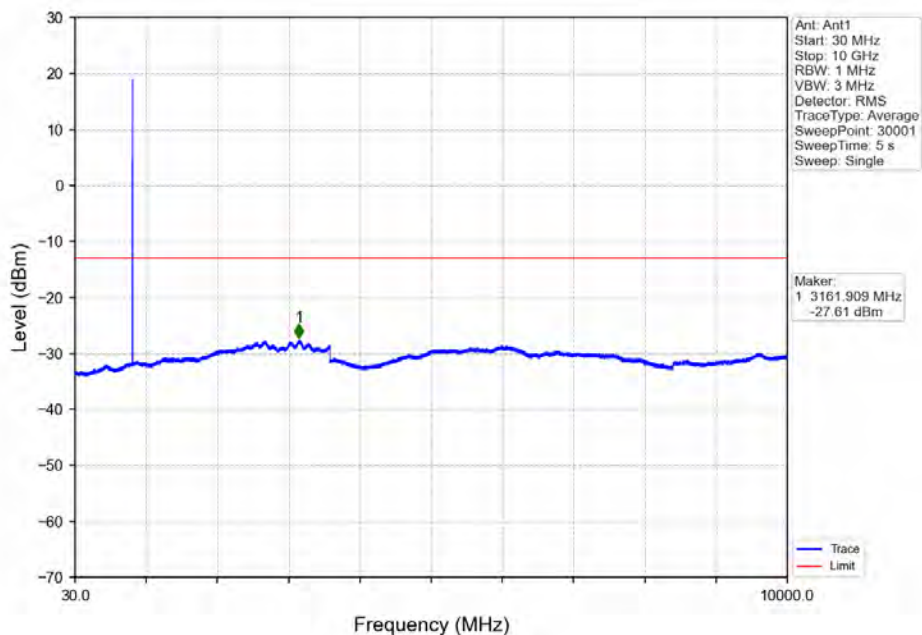
GSM850 EGSM LCH 824.2MHz 1 TX Slot\_NTNV



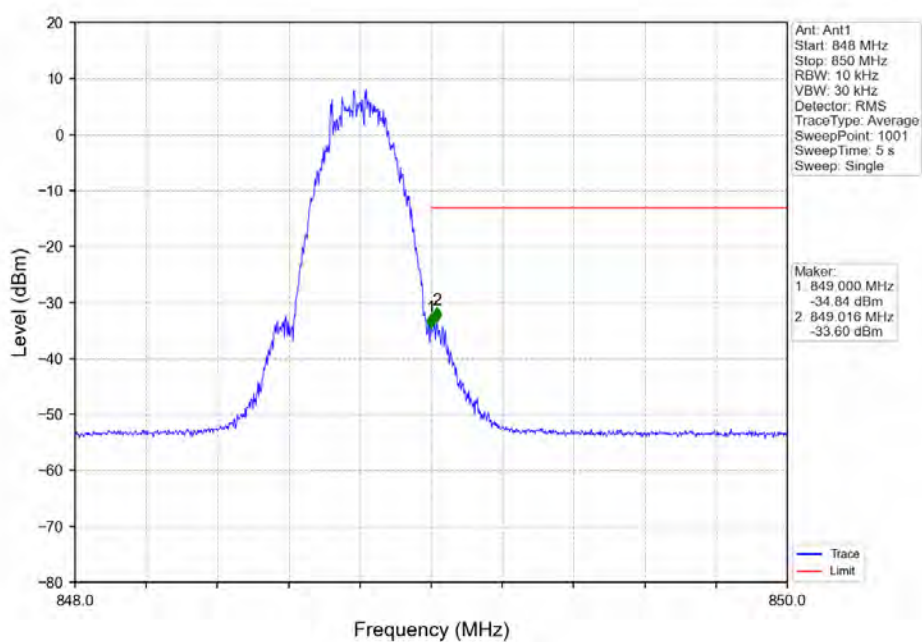
GSM850\_EGSM\_LCH\_824.2MHz\_1 TX Slot\_NTNV



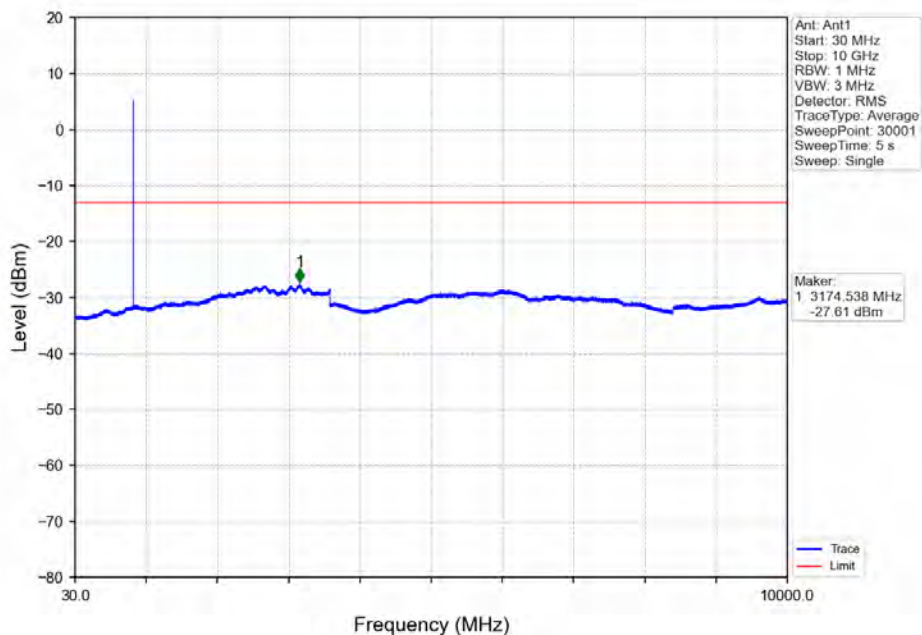
GSM850\_EGSM\_MCH\_836.6MHz\_1 TX Slot\_NTNV



GSM850\_EGSM\_HCH\_848.8MHz\_1 TX Slot\_NTNV



GSM850\_EGSM\_HCH\_848.8MHz\_1 TX Slot\_NTNV







## WCDMA Band 5

### Frequency Stability Test Result

Band: 5							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	826.4	20	3.27	0.52	0.00	-2.5 to 2.5	Pass
			3.85	0.84	0.00	-2.5 to 2.5	Pass
			4.43	1.03	0.00	-2.5 to 2.5	Pass
		-30	3.85	1.08	0.00	-2.5 to 2.5	Pass
		-20	3.85	1.25	0.00	-2.5 to 2.5	Pass
		-10	3.85	0.01	0.00	-2.5 to 2.5	Pass
		0	3.85	-0.34	-0.00	-2.5 to 2.5	Pass
		10	3.85	0.54	0.00	-2.5 to 2.5	Pass
		30	3.85	-0.61	-0.00	-2.5 to 2.5	Pass
		40	3.85	0.29	0.00	-2.5 to 2.5	Pass
		50	3.85	1.02	0.00	-2.5 to 2.5	Pass
	836.6	20	3.27	-0.75	-0.00	-2.5 to 2.5	Pass
			3.85	-0.18	-0.00	-2.5 to 2.5	Pass
			4.43	-1.31	-0.00	-2.5 to 2.5	Pass
		-30	3.85	-0.25	-0.00	-2.5 to 2.5	Pass
		-20	3.85	0.84	0.00	-2.5 to 2.5	Pass
		-10	3.85	-1.29	-0.00	-2.5 to 2.5	Pass
		0	3.85	0.32	0.00	-2.5 to 2.5	Pass
		10	3.85	-0.22	-0.00	-2.5 to 2.5	Pass
		30	3.85	2.50	0.00	-2.5 to 2.5	Pass
		40	3.85	0.58	0.00	-2.5 to 2.5	Pass
		50	3.85	0.18	0.00	-2.5 to 2.5	Pass
	846.6	20	3.27	1.56	0.00	-2.5 to 2.5	Pass
			3.85	0.26	0.00	-2.5 to 2.5	Pass
			4.43	-1.36	-0.00	-2.5 to 2.5	Pass
		-30	3.85	1.79	0.00	-2.5 to 2.5	Pass
		-20	3.85	-0.97	-0.00	-2.5 to 2.5	Pass
		-10	3.85	-1.31	-0.00	-2.5 to 2.5	Pass
		0	3.85	1.07	0.00	-2.5 to 2.5	Pass
		10	3.85	0.59	0.00	-2.5 to 2.5	Pass
		30	3.85	-1.42	-0.00	-2.5 to 2.5	Pass
		40	3.85	0.51	0.00	-2.5 to 2.5	Pass
		50	3.85	-1.02	-0.00	-2.5 to 2.5	Pass



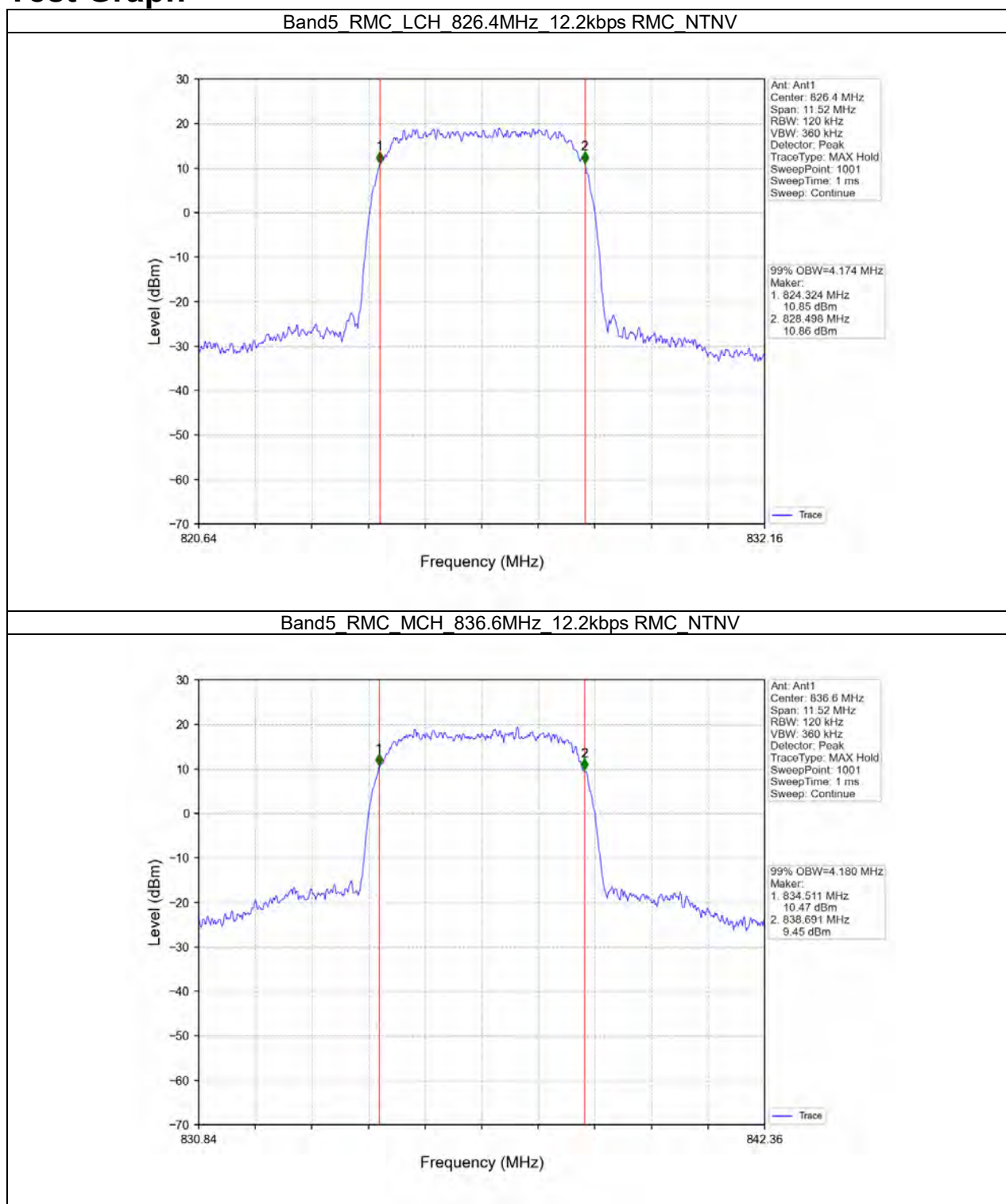
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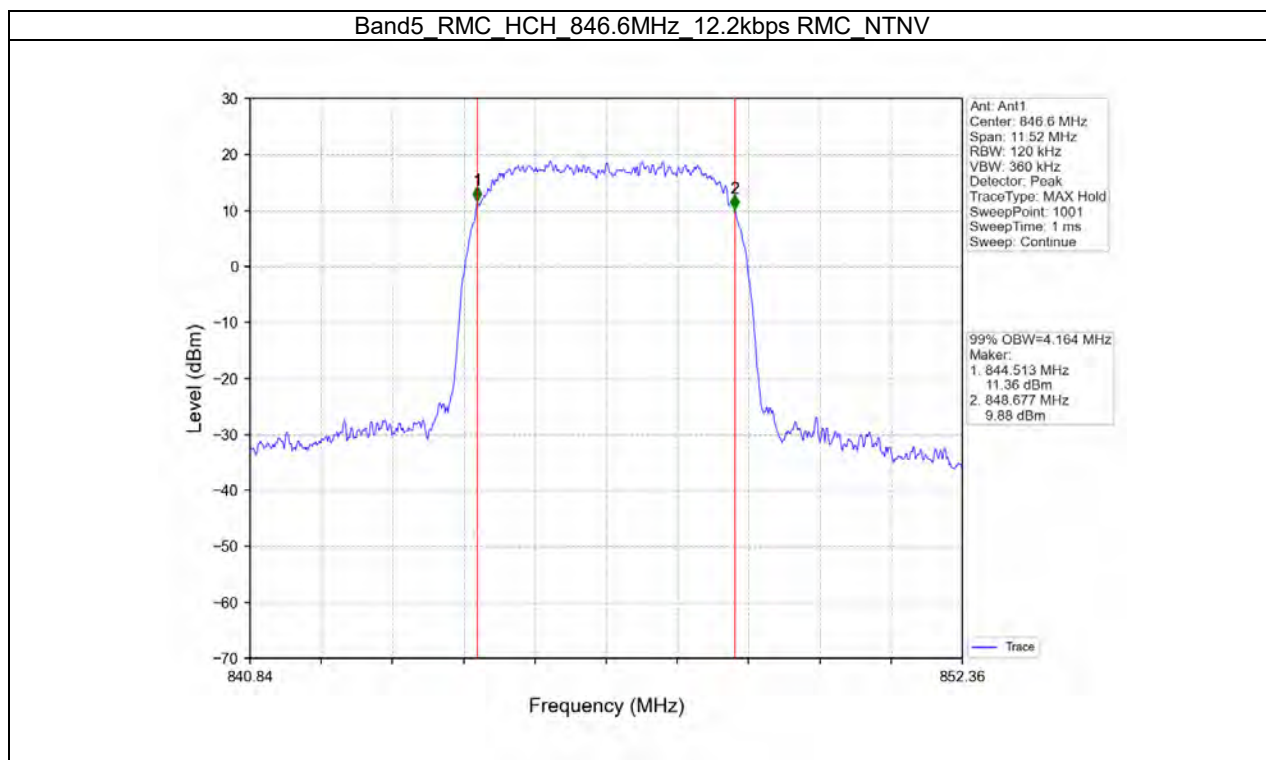
## 99% & 26dB Bandwidth 99% OBW Test Result

Band: 5					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	826.4	4.174	Pass
			836.6	4.180	Pass
			846.6	4.164	Pass



## Test Graph





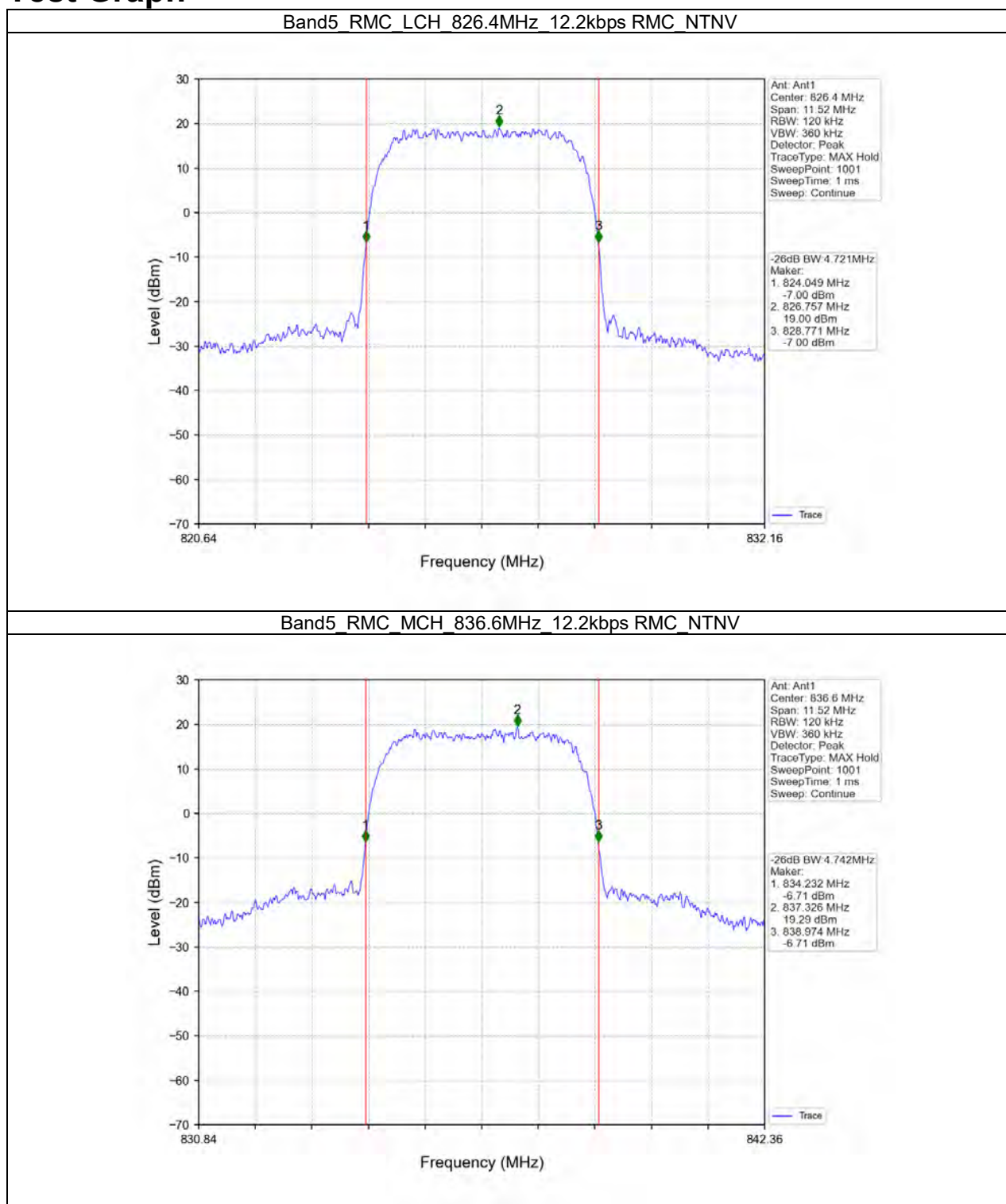


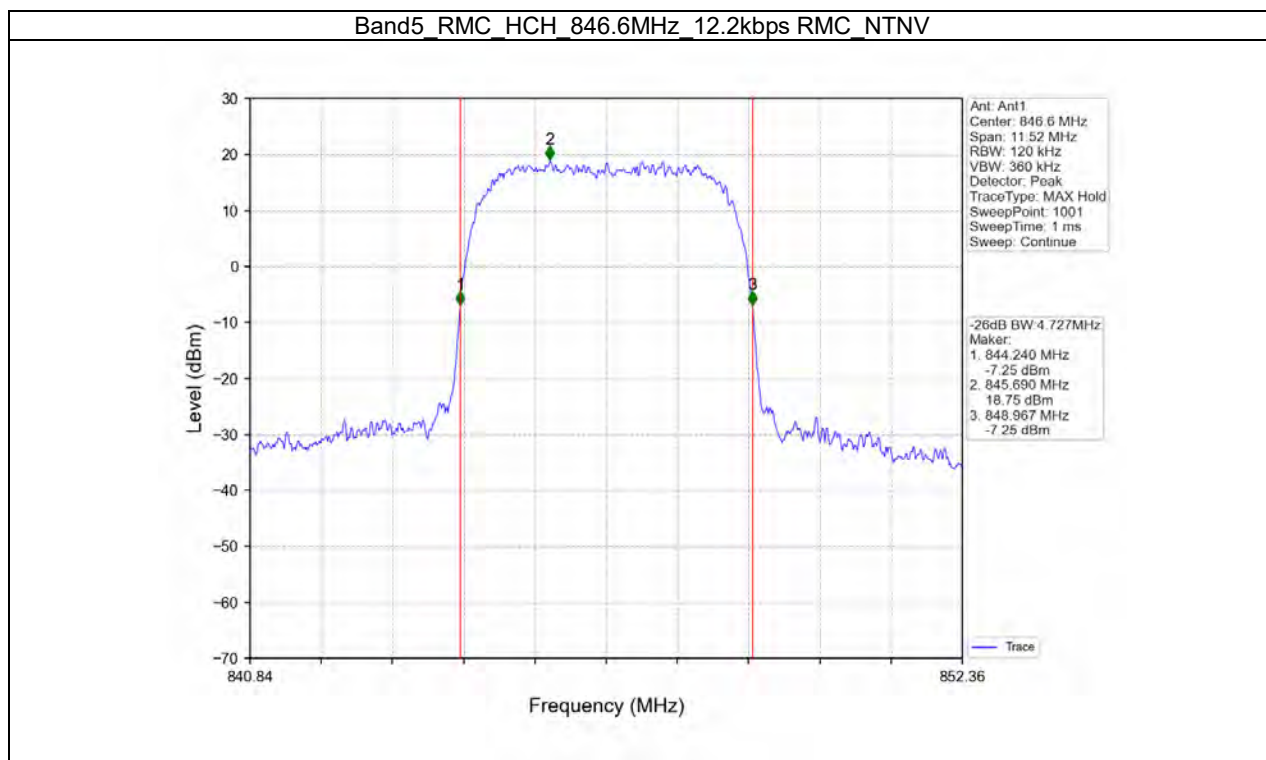
Test Report No.: W7L-P22090015-4RF04

## 26DB\_OBW Test Result

Band: 5					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	826.4	4.721	Pass
			836.6	4.742	Pass
			846.6	4.727	Pass

## Test Graph



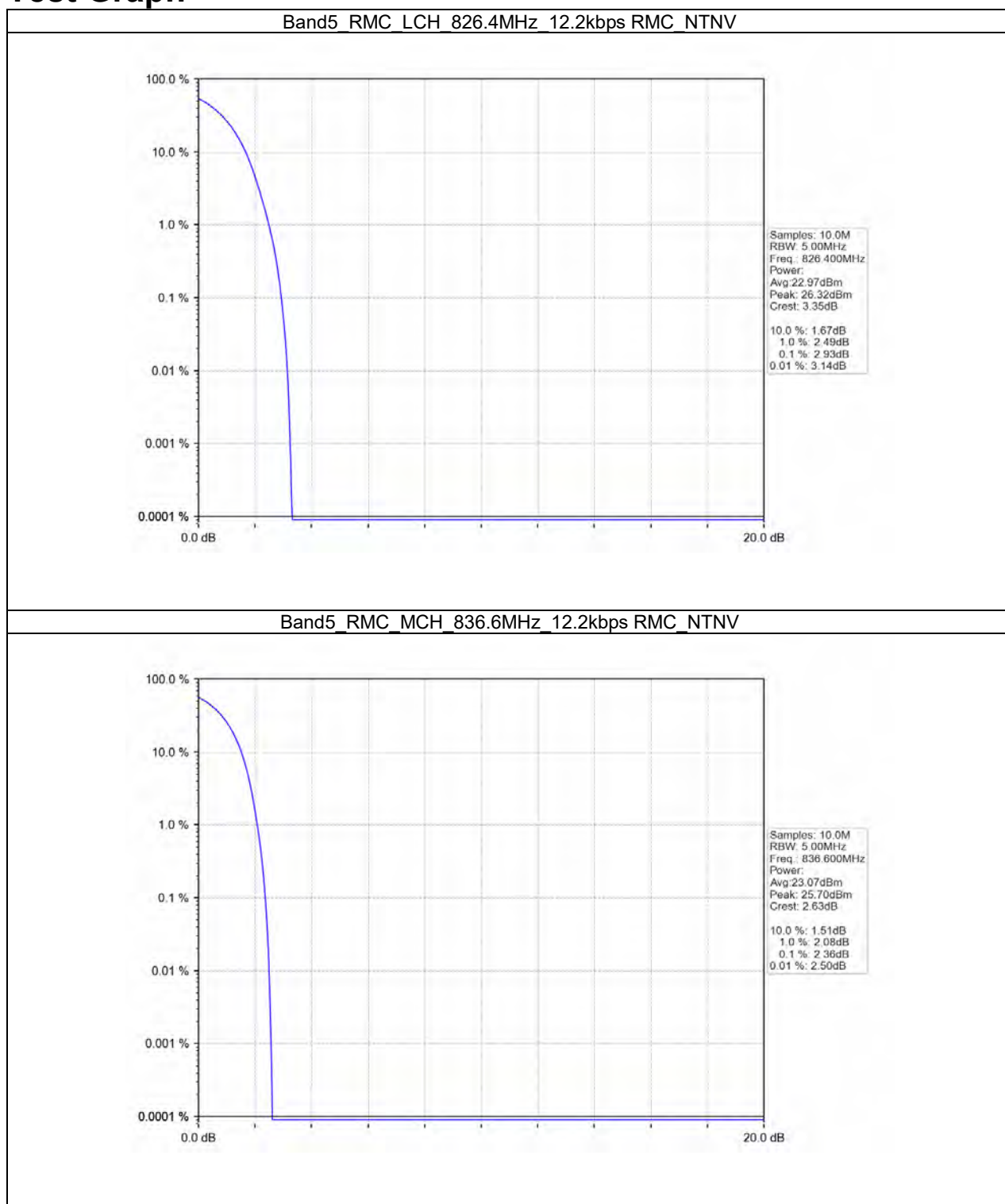




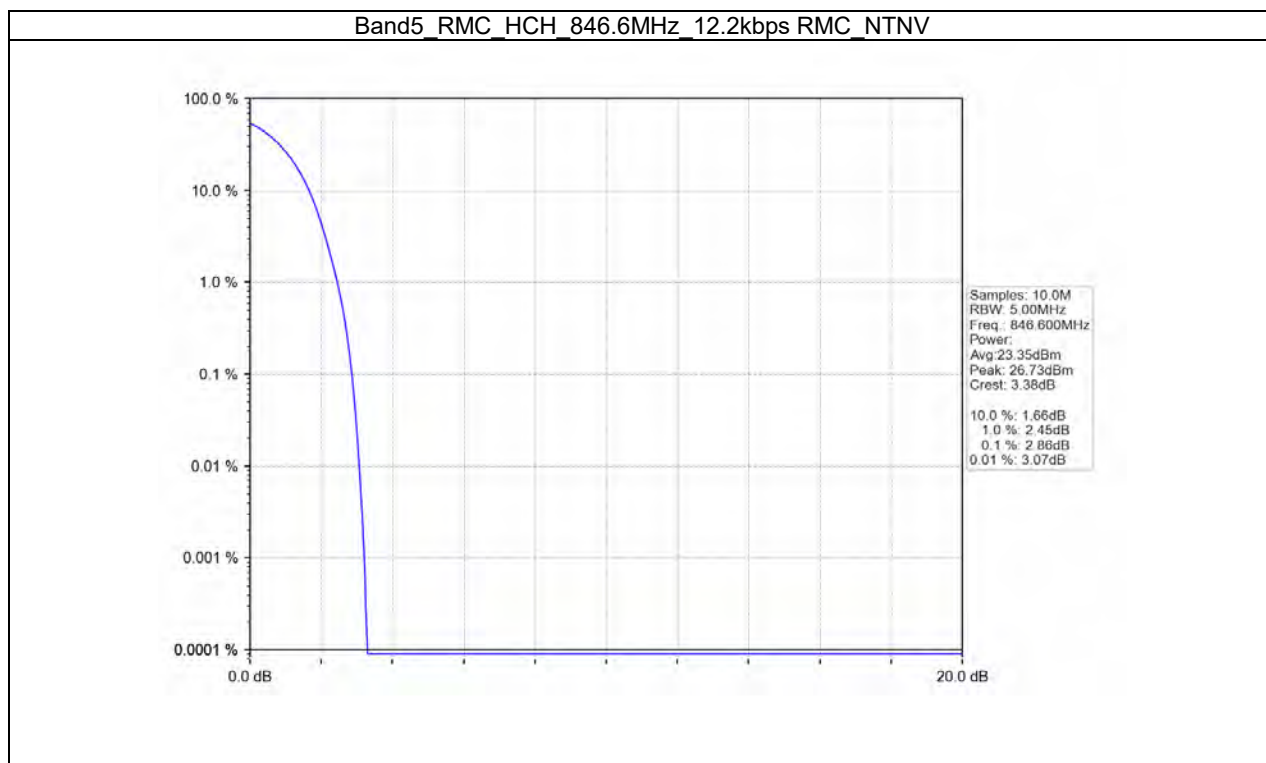
## Peak-Average Ratio Test Result

Band: 5						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	2.93	<=13	Pass
			836.6	2.36	<=13	Pass
			846.6	2.86	<=13	Pass

## Test Graph







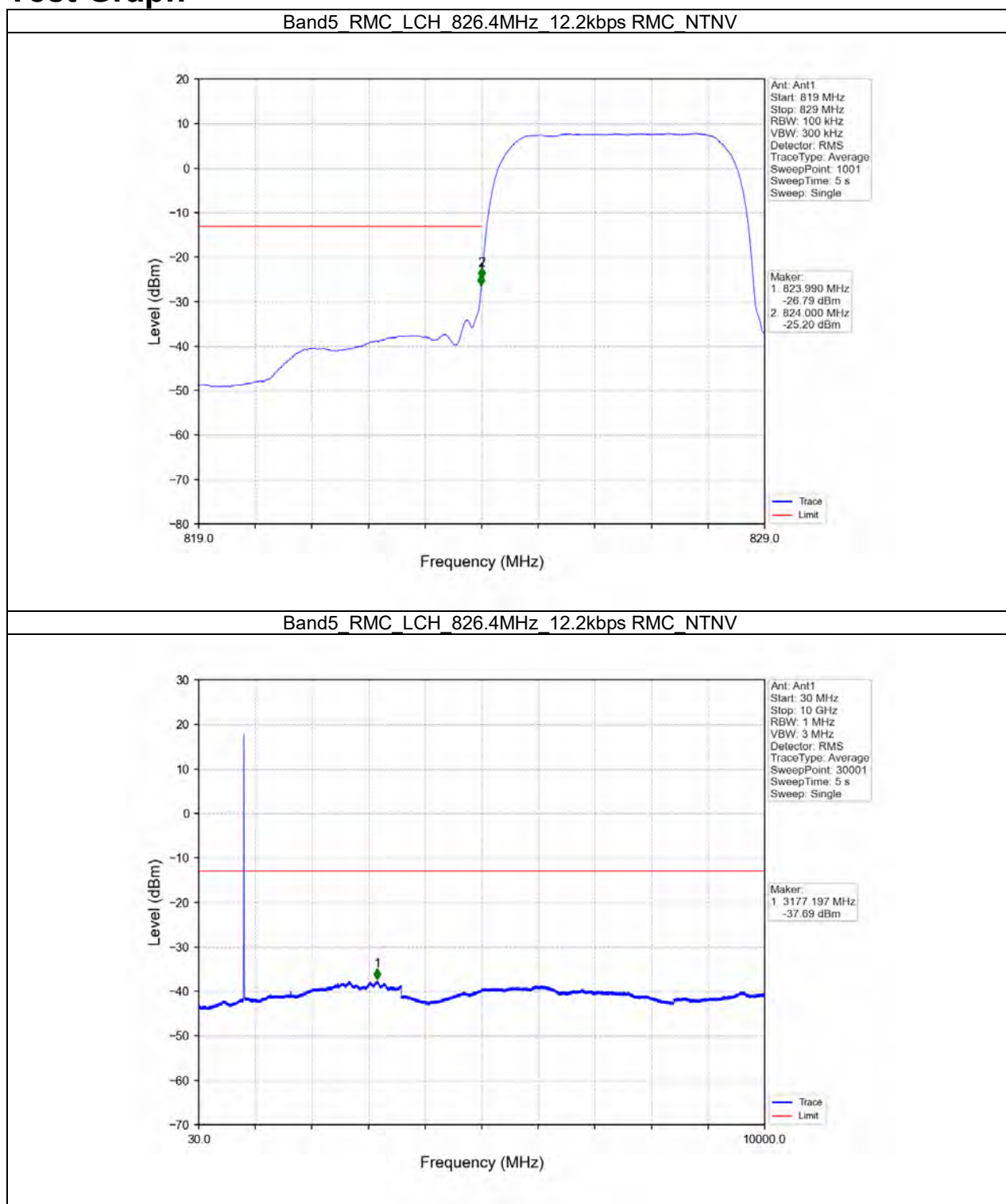


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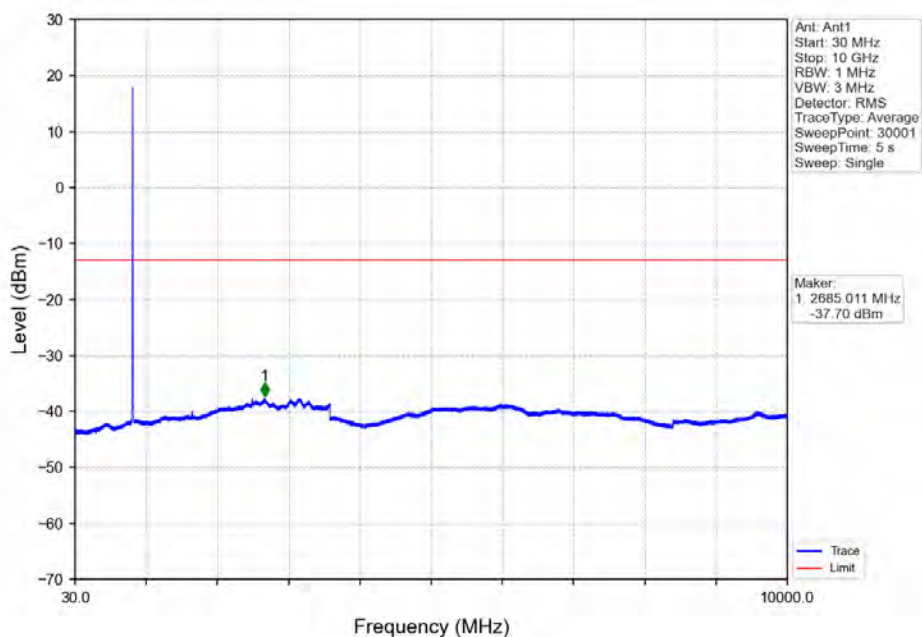
## Spurious Emission Test Result

Band: 5						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	Refer To Test Graph		Pass
			836.6	Refer To Test Graph		Pass
			846.6	Refer To Test Graph		Pass

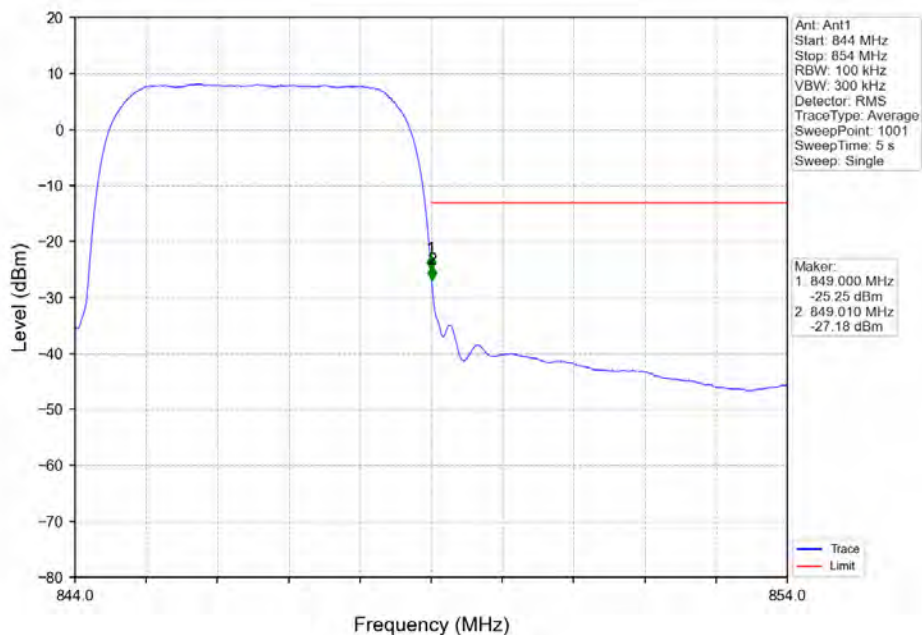
## Test Graph

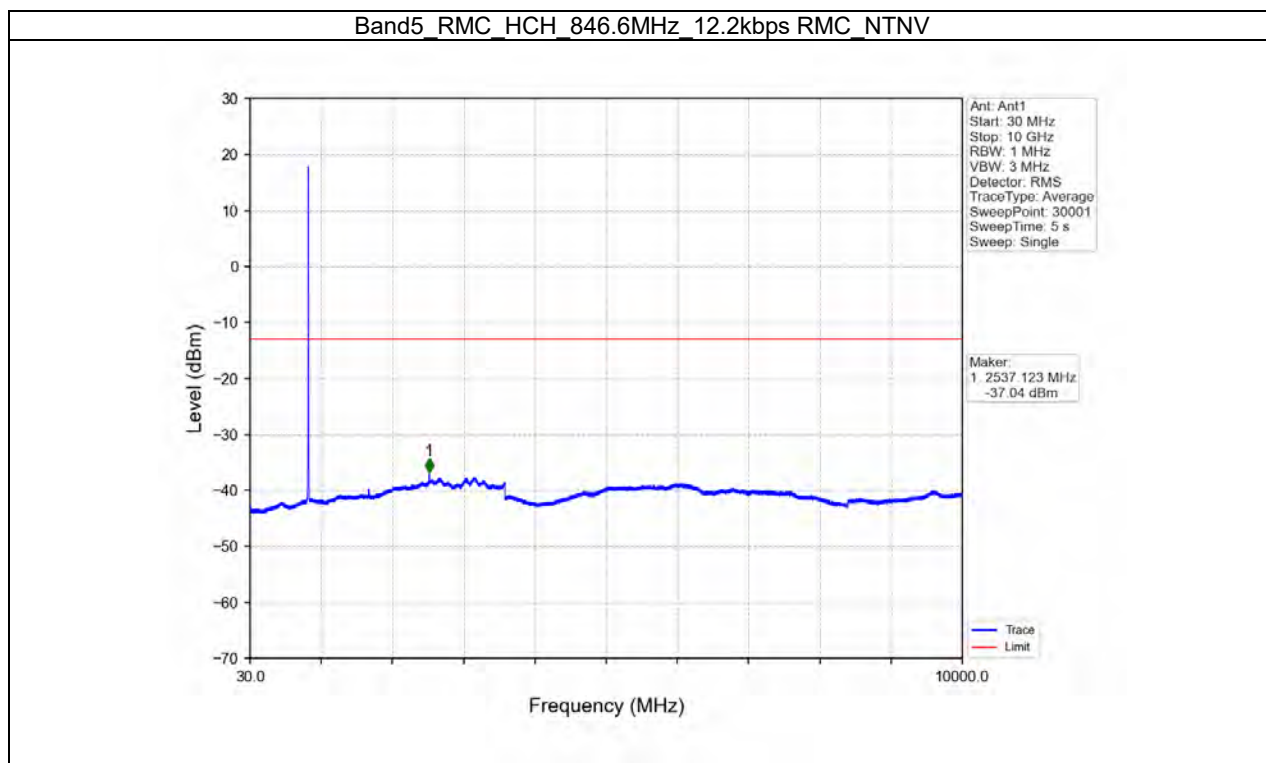


Band5\_RMC\_MCH\_836.6MHz\_12.2kbps\_RMC\_NTNV



Band5\_RMC\_HCH\_846.6MHz\_12.2kbps\_RMC\_NTNV







# LTE\_Band5

## Frequency Stability Test Result

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	7.44	0.01	-2.5 to 2.5	Pass
					3.85	8.63	0.01	-2.5 to 2.5	Pass
					4.43	8.97	0.01	-2.5 to 2.5	Pass
				-30	3.85	7.32	0.01	-2.5 to 2.5	Pass
				-20	3.85	4.62	0.01	-2.5 to 2.5	Pass
				-10	3.85	2.29	0.00	-2.5 to 2.5	Pass
				0	3.85	-0.14	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.53	-0.00	-2.5 to 2.5	Pass
				30	3.85	-8.68	-0.01	-2.5 to 2.5	Pass
				40	3.85	-14.05	-0.02	-2.5 to 2.5	Pass
				50	3.85	-15.94	-0.02	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-2.06	-0.00	-2.5 to 2.5	Pass
					3.85	-2.29	-0.00	-2.5 to 2.5	Pass
					4.43	-4.43	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-5.48	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-6.68	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-10.19	-0.01	-2.5 to 2.5	Pass
				0	3.85	-13.63	-0.02	-2.5 to 2.5	Pass
				10	3.85	-17.97	-0.02	-2.5 to 2.5	Pass
				30	3.85	-21.07	-0.03	-2.5 to 2.5	Pass
				40	3.85	-21.66	-0.03	-2.5 to 2.5	Pass
				50	3.85	-24.09	-0.03	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-24.42	-0.03	-2.5 to 2.5	Pass
					3.85	-32.60	-0.04	-2.5 to 2.5	Pass
					4.43	-31.87	-0.04	-2.5 to 2.5	Pass
				-30	3.85	-36.31	-0.04	-2.5 to 2.5	Pass
				-20	3.85	-41.80	-0.05	-2.5 to 2.5	Pass
				-10	3.85	-7.60	-0.01	-2.5 to 2.5	Pass
				0	3.85	-19.67	-0.02	-2.5 to 2.5	Pass
				10	3.85	-28.28	-0.03	-2.5 to 2.5	Pass
				30	3.85	-33.73	-0.04	-2.5 to 2.5	Pass
				40	3.85	-37.95	-0.04	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-19.45	-0.02	-2.5 to 2.5	Pass
					3.85	-20.66	-0.03	-2.5 to 2.5	Pass
					4.43	-22.43	-0.03	-2.5 to 2.5	Pass
				-30	3.85	-23.33	-0.03	-2.5 to 2.5	Pass
				-20	3.85	-21.87	-0.03	-2.5 to 2.5	Pass
				-10	3.85	-22.19	-0.03	-2.5 to 2.5	Pass
				0	3.85	-21.80	-0.03	-2.5 to 2.5	Pass
				10	3.85	-19.74	-0.02	-2.5 to 2.5	Pass
				30	3.85	-20.01	-0.02	-2.5 to 2.5	Pass
				40	3.85	-18.15	-0.02	-2.5 to 2.5	Pass
				50	3.85	-19.14	-0.02	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-26.72	-0.03	-2.5 to 2.5	Pass
					3.85	-27.54	-0.03	-2.5 to 2.5	Pass
					4.43	-28.42	-0.03	-2.5 to 2.5	Pass
				-30	3.85	-26.94	-0.03	-2.5 to 2.5	Pass
				-20	3.85	-28.15	-0.03	-2.5 to 2.5	Pass
				-10	3.85	-25.33	-0.03	-2.5 to 2.5	Pass
				0	3.85	-22.63	-0.03	-2.5 to 2.5	Pass
				10	3.85	-23.29	-0.03	-2.5 to 2.5	Pass
				30	3.85	-20.67	-0.02	-2.5 to 2.5	Pass
				40	3.85	-19.67	-0.02	-2.5 to 2.5	Pass
				50	3.85	-19.37	-0.02	-2.5 to 2.5	Pass



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VERITAS**

**Test Report No.: W7L-P22090015-4RF04**

64QAM	848.3	6	0	20	3.27	-17.15	-0.02	-2.5 to 2.5	Pass
					3.85	-45.25	-0.05	-2.5 to 2.5	Pass
					4.43	-37.15	-0.04	-2.5 to 2.5	Pass
				-30	3.85	-17.58	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-49.28	-0.06	-2.5 to 2.5	Pass
				-10	3.85	-26.35	-0.03	-2.5 to 2.5	Pass
				0	3.85	-5.02	-0.01	-2.5 to 2.5	Pass
				10	3.85	-31.82	-0.04	-2.5 to 2.5	Pass
				30	3.85	-10.94	-0.01	-2.5 to 2.5	Pass
				40	3.85	-36.48	-0.04	-2.5 to 2.5	Pass
				50	3.85	-9.70	-0.01	-2.5 to 2.5	Pass
	824.7	6	0	20	3.27	-15.65	-0.02	-2.5 to 2.5	Pass
					3.85	-11.77	-0.01	-2.5 to 2.5	Pass
					4.43	-9.03	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-3.56	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-2.38	-0.00	-2.5 to 2.5	Pass
				-10	3.85	2.89	0.00	-2.5 to 2.5	Pass
				0	3.85	5.02	0.01	-2.5 to 2.5	Pass
				10	3.85	9.64	0.01	-2.5 to 2.5	Pass
				30	3.85	11.21	0.01	-2.5 to 2.5	Pass
				40	3.85	14.68	0.02	-2.5 to 2.5	Pass
				50	3.85	15.86	0.02	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-17.51	-0.02	-2.5 to 2.5	Pass
					3.85	-14.91	-0.02	-2.5 to 2.5	Pass
					4.43	-11.99	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-8.78	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-3.48	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-1.00	-0.00	-2.5 to 2.5	Pass
				0	3.85	2.38	0.00	-2.5 to 2.5	Pass
				10	3.85	7.77	0.01	-2.5 to 2.5	Pass
				30	3.85	11.47	0.01	-2.5 to 2.5	Pass
				40	3.85	14.19	0.02	-2.5 to 2.5	Pass
				50	3.85	19.40	0.02	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-39.37	-0.05	-2.5 to 2.5	Pass
					3.85	-12.57	-0.01	-2.5 to 2.5	Pass
					4.43	-32.20	-0.04	-2.5 to 2.5	Pass
				-30	3.85	-48.75	-0.06	-2.5 to 2.5	Pass
				-20	3.85	-22.84	-0.03	-2.5 to 2.5	Pass
				-10	3.85	-37.97	-0.04	-2.5 to 2.5	Pass
				0	3.85	-6.27	-0.01	-2.5 to 2.5	Pass
				10	3.85	-20.31	-0.02	-2.5 to 2.5	Pass
				30	3.85	-38.54	-0.05	-2.5 to 2.5	Pass
				40	3.85	-34.26	-0.04	-2.5 to 2.5	Pass
				50	3.85	-13.75	-0.02	-2.5 to 2.5	Pass

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.27	5.72	0.01	-2.5 to 2.5	Pass
					3.85	3.40	0.00	-2.5 to 2.5	Pass





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**VERITAS**

**Test Report No.: W7L-P22090015-4RF04**

16QAM					4.43	-6.34	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-17.85	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-27.85	-0.03	-2.5 to 2.5	Pass
				-10	3.85	-40.87	-0.05	-2.5 to 2.5	Pass
				0	3.85	-14.73	-0.02	-2.5 to 2.5	Pass
				10	3.85	-29.25	-0.04	-2.5 to 2.5	Pass
				30	3.85	-45.55	-0.06	-2.5 to 2.5	Pass
				40	3.85	-14.83	-0.02	-2.5 to 2.5	Pass
				50	3.85	-32.27	-0.04	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-3.46	-0.00	-2.5 to 2.5	Pass
					3.85	-1.65	-0.00	-2.5 to 2.5	Pass
					4.43	-3.19	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.48	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-5.42	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.64	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.65	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.62	-0.01	-2.5 to 2.5	Pass
				30	3.85	-8.18	-0.01	-2.5 to 2.5	Pass
				40	3.85	-10.41	-0.01	-2.5 to 2.5	Pass
				50	3.85	-10.79	-0.01	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-3.19	-0.00	-2.5 to 2.5	Pass
					3.85	-8.07	-0.01	-2.5 to 2.5	Pass
					4.43	-10.47	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-16.66	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-22.24	-0.03	-2.5 to 2.5	Pass
				-10	3.85	-27.52	-0.03	-2.5 to 2.5	Pass
				0	3.85	-32.41	-0.04	-2.5 to 2.5	Pass
				10	3.85	-38.68	-0.05	-2.5 to 2.5	Pass
				30	3.85	-43.47	-0.05	-2.5 to 2.5	Pass
				40	3.85	-5.29	-0.01	-2.5 to 2.5	Pass
				50	3.85	-12.33	-0.01	-2.5 to 2.5	Pass
	825.5	15	0	20	3.27	-2.15	-0.00	-2.5 to 2.5	Pass
					3.85	-11.60	-0.01	-2.5 to 2.5	Pass
					4.43	-14.65	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-16.61	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-17.64	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-19.70	-0.02	-2.5 to 2.5	Pass
				0	3.85	-20.79	-0.03	-2.5 to 2.5	Pass
				10	3.85	-22.50	-0.03	-2.5 to 2.5	Pass
				30	3.85	-21.03	-0.03	-2.5 to 2.5	Pass
				40	3.85	-21.10	-0.03	-2.5 to 2.5	Pass
				50	3.85	-24.33	-0.03	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-12.17	-0.01	-2.5 to 2.5	Pass
					3.85	-11.82	-0.01	-2.5 to 2.5	Pass
					4.43	-12.95	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-11.41	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-8.27	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-4.78	-0.01	-2.5 to 2.5	Pass
				0	3.85	-3.39	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.75	-0.00	-2.5 to 2.5	Pass
				30	3.85	1.03	0.00	-2.5 to 2.5	Pass
				40	3.85	3.32	0.00	-2.5 to 2.5	Pass
				50	3.85	4.45	0.01	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-16.72	-0.02	-2.5 to 2.5	Pass
					3.85	-19.73	-0.02	-2.5 to 2.5	Pass
					4.43	-21.21	-0.03	-2.5 to 2.5	Pass
				-30	3.85	-26.54	-0.03	-2.5 to 2.5	Pass
				-20	3.85	-24.80	-0.03	-2.5 to 2.5	Pass
				-10	3.85	-28.48	-0.03	-2.5 to 2.5	Pass
				0	3.85	-28.22	-0.03	-2.5 to 2.5	Pass
				10	3.85	-30.43	-0.04	-2.5 to 2.5	Pass



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VERITAS**

**Test Report No.: W7L-P22090015-4RF04**

				30	3.85	-28.78	-0.03	-2.5 to 2.5	Pass
				40	3.85	-27.87	-0.03	-2.5 to 2.5	Pass
				50	3.85	-29.55	-0.03	-2.5 to 2.5	Pass
64QAM	825.5	15	0	20	3.27	-26.94	-0.03	-2.5 to 2.5	Pass
					3.85	-24.79	-0.03	-2.5 to 2.5	Pass
					4.43	-15.68	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-8.35	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-1.90	-0.00	-2.5 to 2.5	Pass
				-10	3.85	4.65	0.01	-2.5 to 2.5	Pass
				0	3.85	9.87	0.01	-2.5 to 2.5	Pass
				10	3.85	13.56	0.02	-2.5 to 2.5	Pass
				30	3.85	21.30	0.03	-2.5 to 2.5	Pass
				40	3.85	24.98	0.03	-2.5 to 2.5	Pass
				50	3.85	29.24	0.04	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	6.62	0.01	-2.5 to 2.5	Pass
					3.85	11.46	0.01	-2.5 to 2.5	Pass
					4.43	15.95	0.02	-2.5 to 2.5	Pass
				-30	3.85	21.11	0.03	-2.5 to 2.5	Pass
				-20	3.85	23.85	0.03	-2.5 to 2.5	Pass
				-10	3.85	25.62	0.03	-2.5 to 2.5	Pass
				0	3.85	30.01	0.04	-2.5 to 2.5	Pass
				10	3.85	34.43	0.04	-2.5 to 2.5	Pass
				30	3.85	36.16	0.04	-2.5 to 2.5	Pass
				40	3.85	38.24	0.05	-2.5 to 2.5	Pass
				50	3.85	41.87	0.05	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-25.28	-0.03	-2.5 to 2.5	Pass
					3.85	-24.35	-0.03	-2.5 to 2.5	Pass
					4.43	-20.99	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-20.87	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-20.01	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-16.61	-0.02	-2.5 to 2.5	Pass
				0	3.85	-18.40	-0.02	-2.5 to 2.5	Pass
				10	3.85	-17.64	-0.02	-2.5 to 2.5	Pass
				30	3.85	-14.79	-0.02	-2.5 to 2.5	Pass
				40	3.85	-15.68	-0.02	-2.5 to 2.5	Pass
				50	3.85	-12.45	-0.01	-2.5 to 2.5	Pass



Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	9.96	0.01	-2.5 to 2.5	Pass
					3.85	8.41	0.01	-2.5 to 2.5	Pass
					4.43	7.64	0.01	-2.5 to 2.5	Pass
				-30	3.85	10.34	0.01	-2.5 to 2.5	Pass
				-20	3.85	8.76	0.01	-2.5 to 2.5	Pass
				-10	3.85	5.64	0.01	-2.5 to 2.5	Pass
				0	3.85	4.06	0.00	-2.5 to 2.5	Pass
				10	3.85	1.07	0.00	-2.5 to 2.5	Pass
				30	3.85	-2.48	-0.00	-2.5 to 2.5	Pass
				40	3.85	-7.75	-0.01	-2.5 to 2.5	Pass
				50	3.85	-11.37	-0.01	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	2.85	0.00	-2.5 to 2.5	Pass
					3.85	2.32	0.00	-2.5 to 2.5	Pass
					4.43	-0.13	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.59	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-4.92	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.02	-0.01	-2.5 to 2.5	Pass
				0	3.85	-12.29	-0.01	-2.5 to 2.5	Pass
				10	3.85	-14.92	-0.02	-2.5 to 2.5	Pass
				30	3.85	-15.79	-0.02	-2.5 to 2.5	Pass
				40	3.85	-16.84	-0.02	-2.5 to 2.5	Pass
				50	3.85	-18.55	-0.02	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-4.62	-0.01	-2.5 to 2.5	Pass
					3.85	-8.30	-0.01	-2.5 to 2.5	Pass
					4.43	-12.60	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-14.13	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-16.81	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-23.12	-0.03	-2.5 to 2.5	Pass
				0	3.85	-29.71	-0.04	-2.5 to 2.5	Pass
				10	3.85	-31.57	-0.04	-2.5 to 2.5	Pass
				30	3.85	-36.74	-0.04	-2.5 to 2.5	Pass
				40	3.85	-42.46	-0.05	-2.5 to 2.5	Pass
				50	3.85	-2.80	-0.00	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-13.15	-0.02	-2.5 to 2.5	Pass
					3.85	-15.96	-0.02	-2.5 to 2.5	Pass
					4.43	-16.07	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-17.71	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-15.79	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-16.02	-0.02	-2.5 to 2.5	Pass
				0	3.85	-16.41	-0.02	-2.5 to 2.5	Pass
				10	3.85	-14.16	-0.02	-2.5 to 2.5	Pass
				30	3.85	-9.94	-0.01	-2.5 to 2.5	Pass
				40	3.85	-8.44	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.85	-0.01	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-20.77	-0.02	-2.5 to 2.5	Pass
					3.85	-22.55	-0.03	-2.5 to 2.5	Pass
					4.43	-19.87	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-20.31	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-21.37	-0.03	-2.5 to 2.5	Pass
				-10	3.85	-20.80	-0.02	-2.5 to 2.5	Pass
				0	3.85	-21.16	-0.03	-2.5 to 2.5	Pass
				10	3.85	-19.51	-0.02	-2.5 to 2.5	Pass
				30	3.85	-18.27	-0.02	-2.5 to 2.5	Pass
				40	3.85	-16.09	-0.02	-2.5 to 2.5	Pass
				50	3.85	-14.75	-0.02	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-10.53	-0.01	-2.5 to 2.5	Pass
					3.85	-14.06	-0.02	-2.5 to 2.5	Pass
					4.43	-15.54	-0.02	-2.5 to 2.5	Pass



**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P22090015-4RF04**

64QAM	826.5	25	0	-30	3.85	-13.83	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-13.52	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-16.32	-0.02	-2.5 to 2.5	Pass
				0	3.85	-12.60	-0.01	-2.5 to 2.5	Pass
				10	3.85	-14.83	-0.02	-2.5 to 2.5	Pass
				30	3.85	-13.46	-0.02	-2.5 to 2.5	Pass
				40	3.85	-13.33	-0.02	-2.5 to 2.5	Pass
				50	3.85	-11.62	-0.01	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-5.95	-0.01	-2.5 to 2.5	Pass
					3.85	-4.33	-0.01	-2.5 to 2.5	Pass
					4.43	-6.55	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-0.99	-0.00	-2.5 to 2.5	Pass
				-20	3.85	0.01	0.00	-2.5 to 2.5	Pass
				-10	3.85	1.02	0.00	-2.5 to 2.5	Pass
				0	3.85	6.47	0.01	-2.5 to 2.5	Pass
				10	3.85	9.46	0.01	-2.5 to 2.5	Pass
				30	3.85	8.35	0.01	-2.5 to 2.5	Pass
				40	3.85	11.29	0.01	-2.5 to 2.5	Pass
				50	3.85	12.43	0.01	-2.5 to 2.5	Pass
				20	3.27	-11.14	-0.01	-2.5 to 2.5	Pass
					3.85	-9.08	-0.01	-2.5 to 2.5	Pass
					4.43	-7.61	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-2.98	-0.00	-2.5 to 2.5	Pass
				-20	3.85	2.20	0.00	-2.5 to 2.5	Pass
				-10	3.85	6.87	0.01	-2.5 to 2.5	Pass
				0	3.85	5.82	0.01	-2.5 to 2.5	Pass
				10	3.85	9.74	0.01	-2.5 to 2.5	Pass
				30	3.85	14.28	0.02	-2.5 to 2.5	Pass
				40	3.85	15.11	0.02	-2.5 to 2.5	Pass
				50	3.85	18.47	0.02	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-7.51	-0.01	-2.5 to 2.5	Pass
					3.85	-7.35	-0.01	-2.5 to 2.5	Pass
					4.43	-6.29	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-4.63	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-0.79	-0.00	-2.5 to 2.5	Pass
				-10	3.85	1.50	0.00	-2.5 to 2.5	Pass
				0	3.85	2.12	0.00	-2.5 to 2.5	Pass
				10	3.85	5.94	0.01	-2.5 to 2.5	Pass
				30	3.85	8.37	0.01	-2.5 to 2.5	Pass
				40	3.85	9.63	0.01	-2.5 to 2.5	Pass
				50	3.85	13.16	0.02	-2.5 to 2.5	Pass



**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P22090015-4RF04**

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	829	50	0	20	3.27	8.84	0.01	-2.5 to 2.5	Pass
					3.85	9.81	0.01	-2.5 to 2.5	Pass
					4.43	7.77	0.01	-2.5 to 2.5	Pass
				-30	3.85	2.02	0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.06	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-5.98	-0.01	-2.5 to 2.5	Pass
				0	3.85	-10.79	-0.01	-2.5 to 2.5	Pass
				10	3.85	-17.05	-0.02	-2.5 to 2.5	Pass
				30	3.85	-21.03	-0.03	-2.5 to 2.5	Pass
				40	3.85	-27.81	-0.03	-2.5 to 2.5	Pass
				50	3.85	-27.24	-0.03	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-1.43	-0.00	-2.5 to 2.5	Pass
					3.85	-4.49	-0.01	-2.5 to 2.5	Pass
					4.43	-9.33	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-13.03	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-16.58	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-24.29	-0.03	-2.5 to 2.5	Pass
				0	3.85	-32.13	-0.04	-2.5 to 2.5	Pass
				10	3.85	-36.53	-0.04	-2.5 to 2.5	Pass
				30	3.85	-39.91	-0.05	-2.5 to 2.5	Pass
				40	3.85	-45.80	-0.05	-2.5 to 2.5	Pass
				50	3.85	-3.40	-0.00	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-1.39	-0.00	-2.5 to 2.5	Pass
					3.85	-5.75	-0.01	-2.5 to 2.5	Pass
					4.43	-13.15	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-21.47	-0.03	-2.5 to 2.5	Pass
				-20	3.85	-29.53	-0.04	-2.5 to 2.5	Pass
				-10	3.85	-35.46	-0.04	-2.5 to 2.5	Pass
				0	3.85	-41.84	-0.05	-2.5 to 2.5	Pass
				10	3.85	0.63	0.00	-2.5 to 2.5	Pass
				30	3.85	-11.43	-0.01	-2.5 to 2.5	Pass
				40	3.85	-21.79	-0.03	-2.5 to 2.5	Pass
				50	3.85	-30.86	-0.04	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-25.39	-0.03	-2.5 to 2.5	Pass
					3.85	-20.48	-0.02	-2.5 to 2.5	Pass
					4.43	-11.14	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-7.50	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-1.89	-0.00	-2.5 to 2.5	Pass
				-10	3.85	3.62	0.00	-2.5 to 2.5	Pass
				0	3.85	10.23	0.01	-2.5 to 2.5	Pass
				10	3.85	16.84	0.02	-2.5 to 2.5	Pass
				30	3.85	22.76	0.03	-2.5 to 2.5	Pass
				40	3.85	26.16	0.03	-2.5 to 2.5	Pass
				50	3.85	30.17	0.04	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-7.01	-0.01	-2.5 to 2.5	Pass
					3.85	-8.24	-0.01	-2.5 to 2.5	Pass
					4.43	-4.58	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-3.56	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-2.70	-0.00	-2.5 to 2.5	Pass
				-10	3.85	2.66	0.00	-2.5 to 2.5	Pass
				0	3.85	8.05	0.01	-2.5 to 2.5	Pass
				10	3.85	10.33	0.01	-2.5 to 2.5	Pass
				30	3.85	14.52	0.02	-2.5 to 2.5	Pass
				40	3.85	16.91	0.02	-2.5 to 2.5	Pass
				50	3.85	18.62	0.02	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-40.71	-0.05	-2.5 to 2.5	Pass
					3.85	-40.54	-0.05	-2.5 to 2.5	Pass
					4.43	-41.21	-0.05	-2.5 to 2.5	Pass



**BUREAU  
VERITAS**

**Test Report No.: W7L-P22090015-4RF04**

64QAM				-30	3.85	-41.33	-0.05	-2.5 to 2.5	Pass
				-20	3.85	-38.30	-0.05	-2.5 to 2.5	Pass
				-10	3.85	-35.52	-0.04	-2.5 to 2.5	Pass
				0	3.85	-30.67	-0.04	-2.5 to 2.5	Pass
				10	3.85	-27.07	-0.03	-2.5 to 2.5	Pass
				30	3.85	-24.42	-0.03	-2.5 to 2.5	Pass
				40	3.85	-20.39	-0.02	-2.5 to 2.5	Pass
				50	3.85	-18.10	-0.02	-2.5 to 2.5	Pass
	829	50	0	20	3.27	35.66	0.04	-2.5 to 2.5	Pass
					3.85	36.25	0.04	-2.5 to 2.5	Pass
					4.43	3.36	0.00	-2.5 to 2.5	Pass
				-30	3.85	10.51	0.01	-2.5 to 2.5	Pass
				-20	3.85	16.21	0.02	-2.5 to 2.5	Pass
				-10	3.85	23.25	0.03	-2.5 to 2.5	Pass
				0	3.85	28.60	0.03	-2.5 to 2.5	Pass
				10	3.85	35.72	0.04	-2.5 to 2.5	Pass
				30	3.85	42.04	0.05	-2.5 to 2.5	Pass
				40	3.85	15.39	0.02	-2.5 to 2.5	Pass
				50	3.85	6.61	0.01	-2.5 to 2.5	Pass
		836.5	50	20	3.27	23.09	0.03	-2.5 to 2.5	Pass
					3.85	24.33	0.03	-2.5 to 2.5	Pass
					4.43	28.87	0.03	-2.5 to 2.5	Pass
				-30	3.85	38.12	0.05	-2.5 to 2.5	Pass
				-20	3.85	45.53	0.05	-2.5 to 2.5	Pass
				-10	3.85	0.74	0.00	-2.5 to 2.5	Pass
				0	3.85	3.98	0.00	-2.5 to 2.5	Pass
				10	3.85	8.94	0.01	-2.5 to 2.5	Pass
				30	3.85	12.16	0.01	-2.5 to 2.5	Pass
				40	3.85	17.75	0.02	-2.5 to 2.5	Pass
				50	3.85	22.24	0.03	-2.5 to 2.5	Pass
		844	50	20	3.27	-14.26	-0.02	-2.5 to 2.5	Pass
					3.85	-12.32	-0.01	-2.5 to 2.5	Pass
					4.43	-8.43	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-5.12	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-4.22	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-2.20	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.10	-0.00	-2.5 to 2.5	Pass
				10	3.85	3.75	0.00	-2.5 to 2.5	Pass
				30	3.85	0.33	0.00	-2.5 to 2.5	Pass
				40	3.85	2.39	0.00	-2.5 to 2.5	Pass
				50	3.85	2.07	0.00	-2.5 to 2.5	Pass

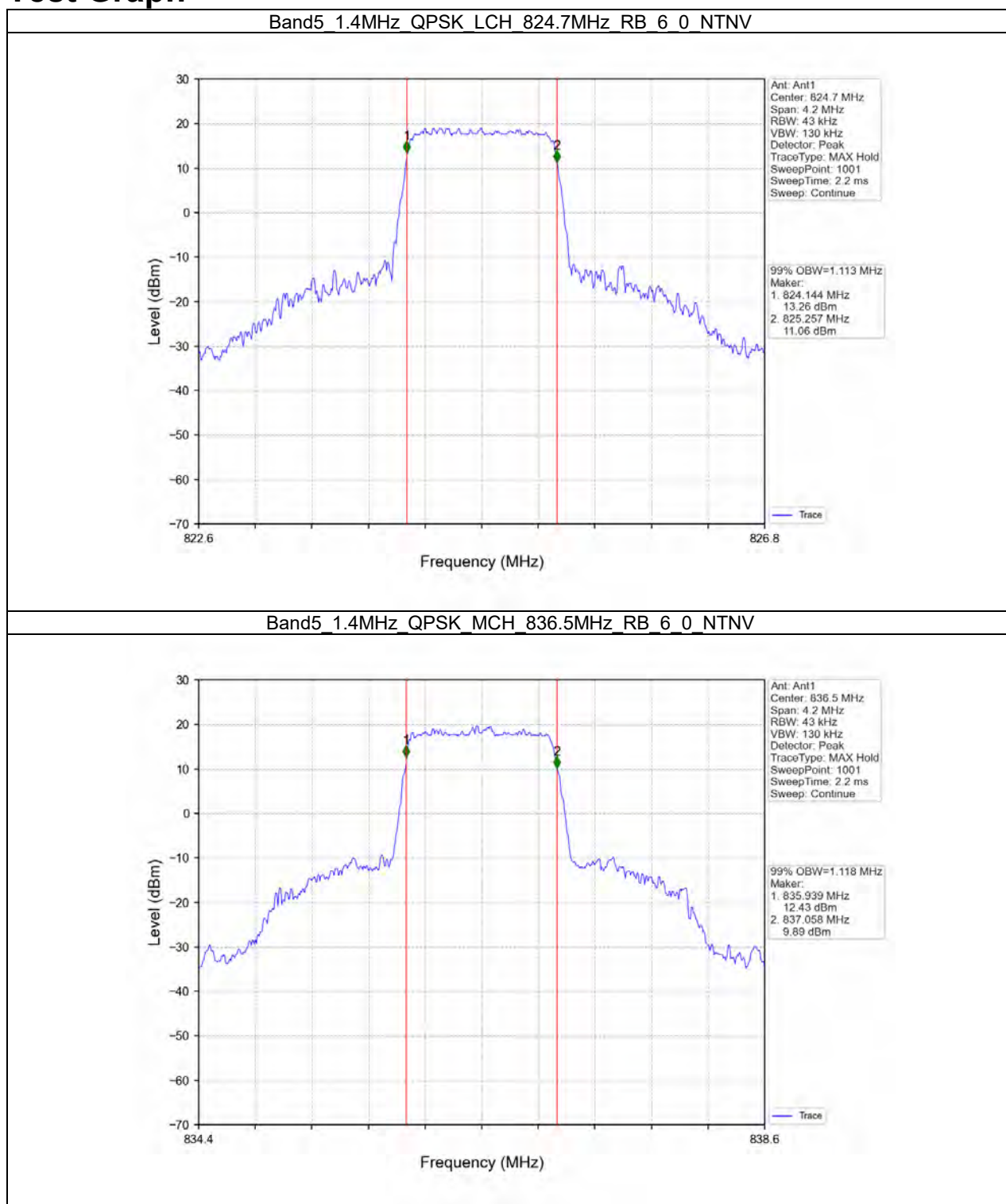


## 99% & 26dB Bandwidth 99% OBW Test Result

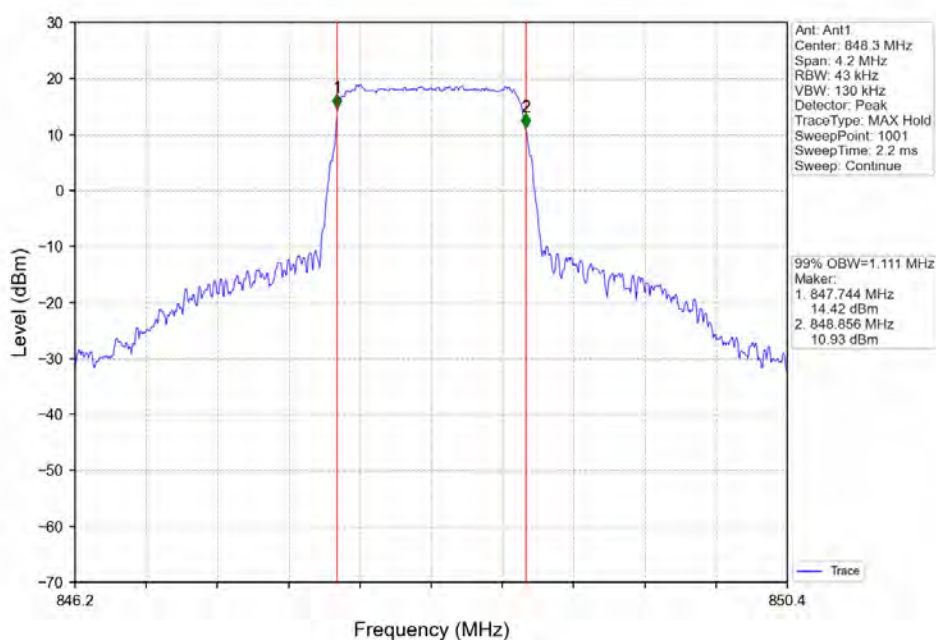
Band: 5 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.113	Pass
		836.5	6	0	1.118	Pass
		848.3	6	0	1.111	Pass
	16QAM	824.7	6	0	1.104	Pass
		836.5	6	0	1.119	Pass
		848.3	6	0	1.119	Pass
	64QAM	824.7	6	0	1.112	Pass
		836.5	6	0	1.111	Pass
		848.3	6	0	1.110	Pass
3	QPSK	825.5	15	0	2.773	Pass
		836.5	15	0	2.757	Pass
		847.5	15	0	2.752	Pass
	16QAM	825.5	15	0	2.761	Pass
		836.5	15	0	2.768	Pass
		847.5	15	0	2.752	Pass
	64QAM	825.5	15	0	2.768	Pass
		836.5	15	0	2.773	Pass
		847.5	15	0	2.735	Pass
5	QPSK	826.5	25	0	4.565	Pass
		836.5	25	0	4.578	Pass
		846.5	25	0	4.548	Pass
	16QAM	826.5	25	0	4.562	Pass
		836.5	25	0	4.568	Pass
		846.5	25	0	4.561	Pass
	64QAM	826.5	25	0	4.558	Pass
		836.5	25	0	4.545	Pass
		846.5	25	0	4.547	Pass
10	QPSK	829	50	0	9.073	Pass
		836.5	50	0	9.078	Pass
		844	50	0	9.101	Pass
	16QAM	829	50	0	9.068	Pass
		836.5	50	0	9.047	Pass
		844	50	0	9.076	Pass
	64QAM	829	50	0	9.068	Pass
		836.5	50	0	9.067	Pass
		844	50	0	9.071	Pass



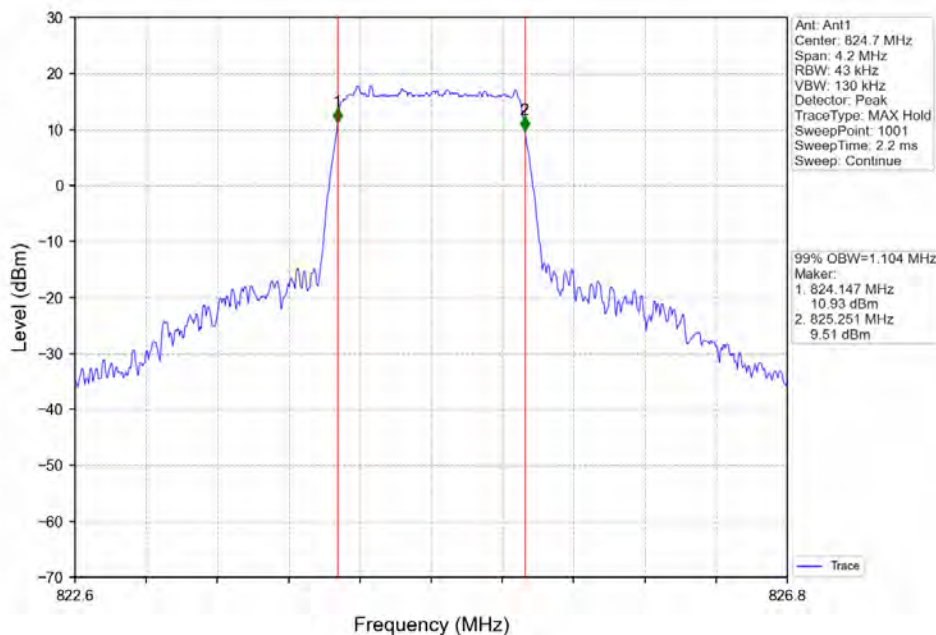
## Test Graph



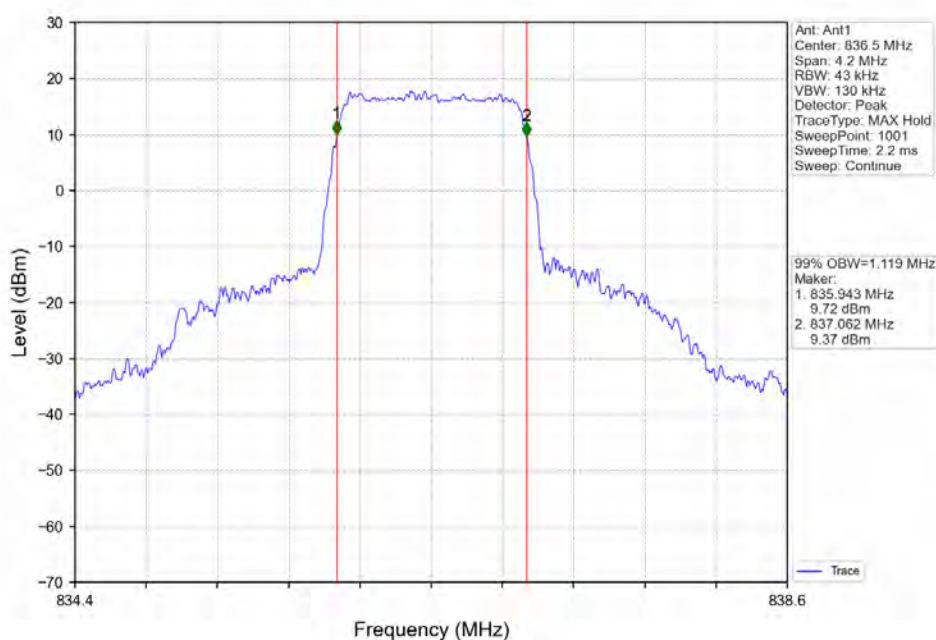
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



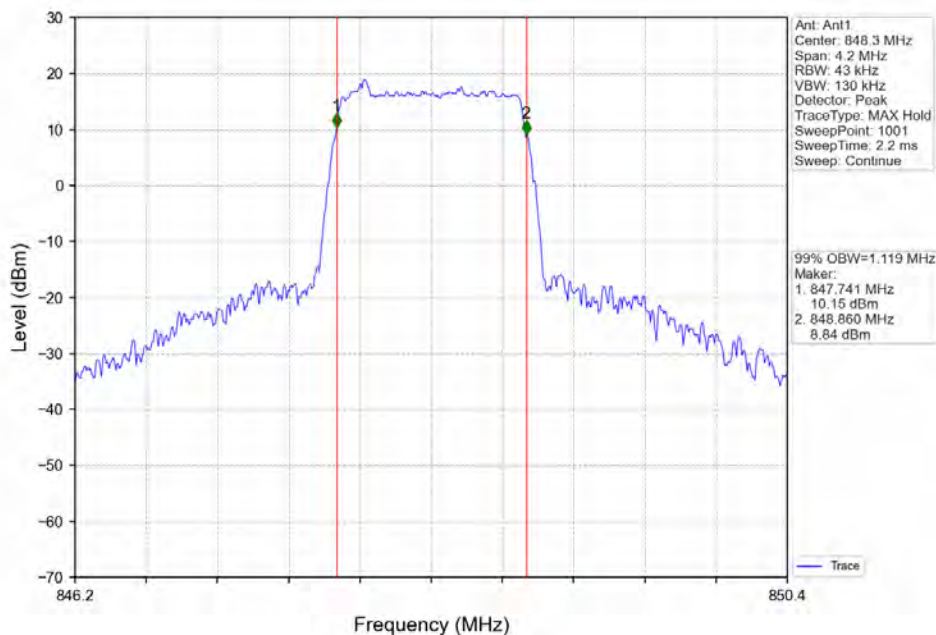
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



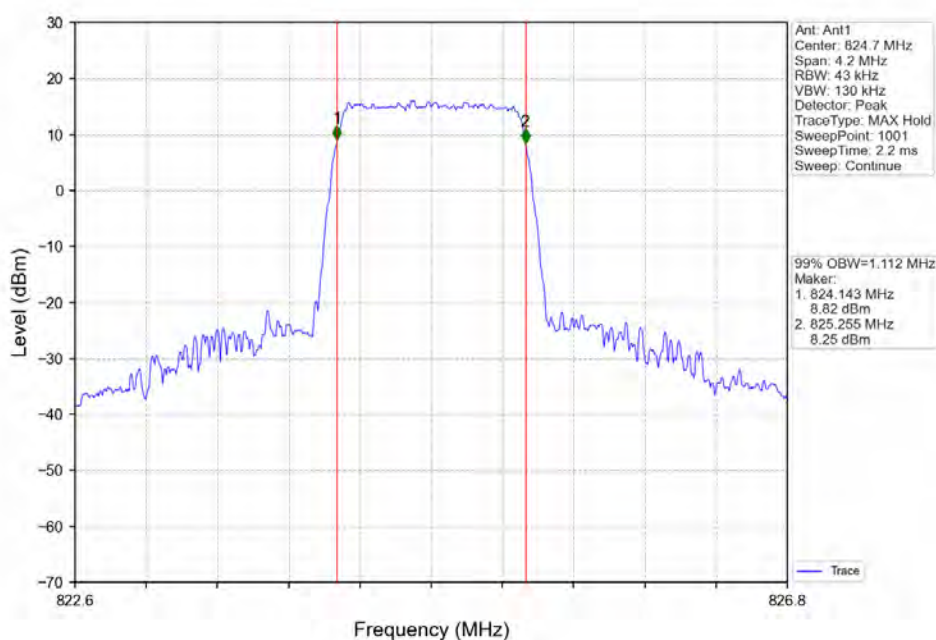
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



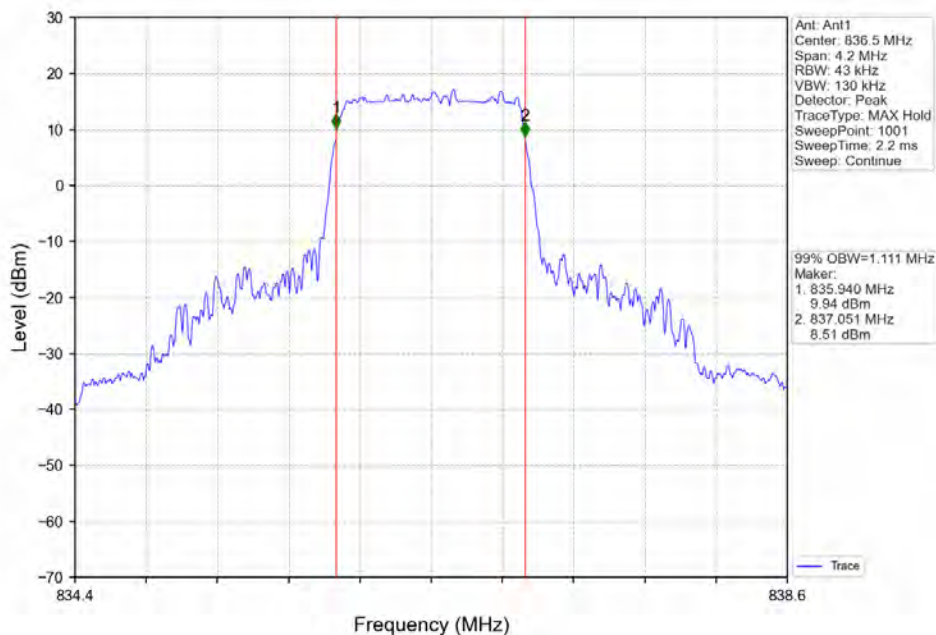
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



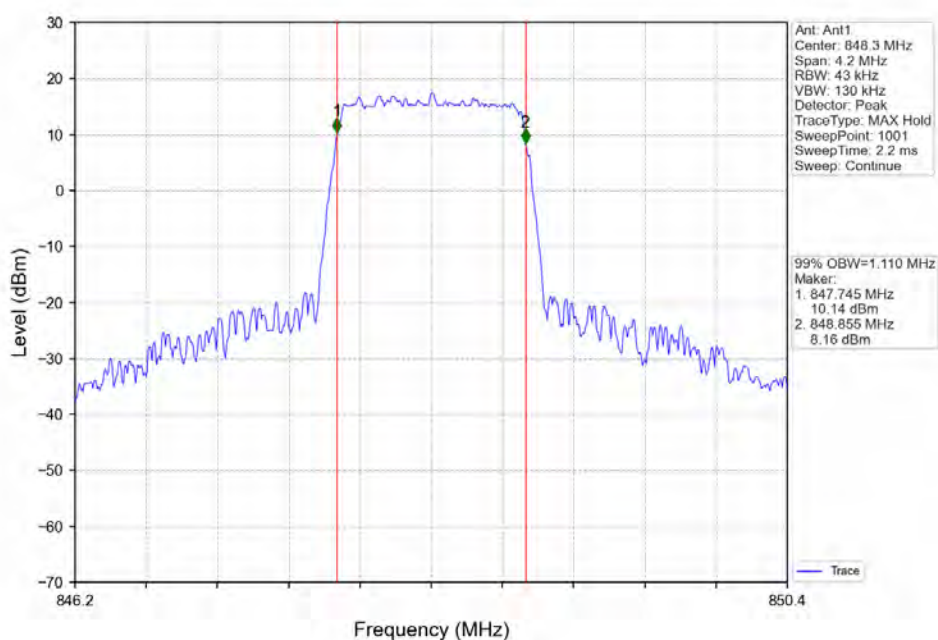
Band5 1.4MHz 64QAM LCH 824.7MHz RB 6 0 NTNV



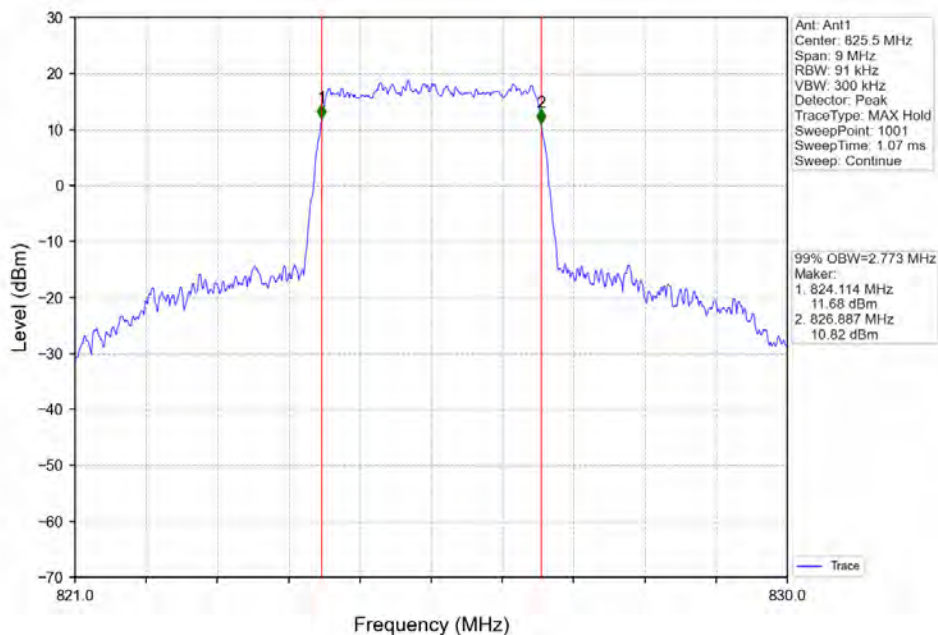
Band5 1.4MHz 64QAM MCH 836.5MHz RB 6 0 NTNV



Band5 1.4MHz 64QAM HCH 848.3MHz RB 6 0 NTNV

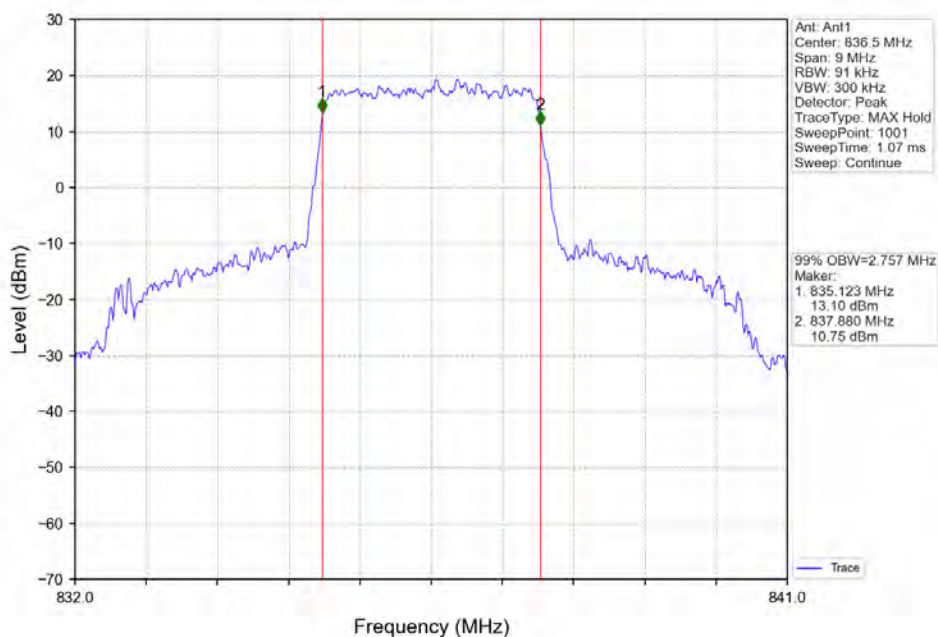


Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTNV

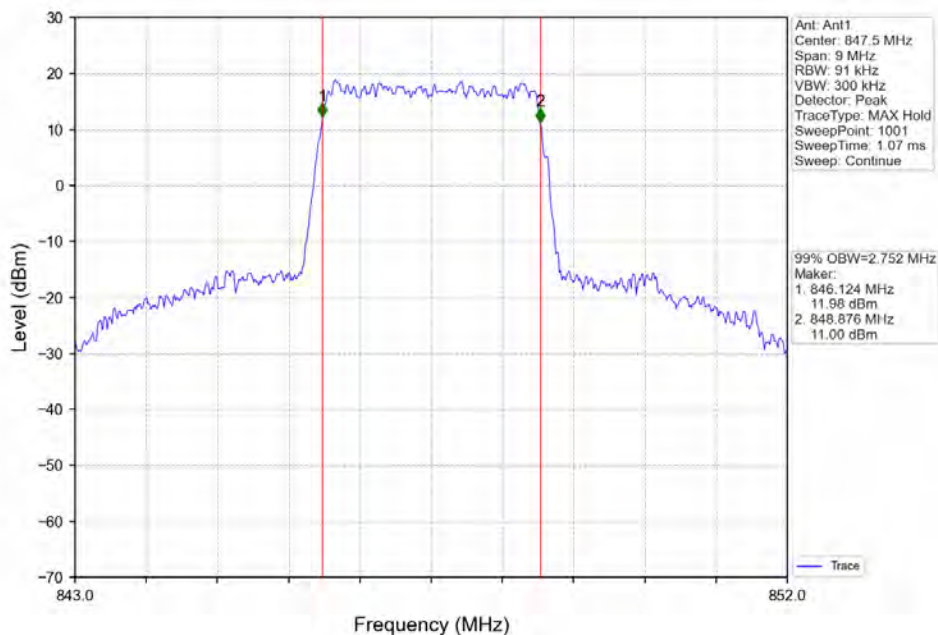




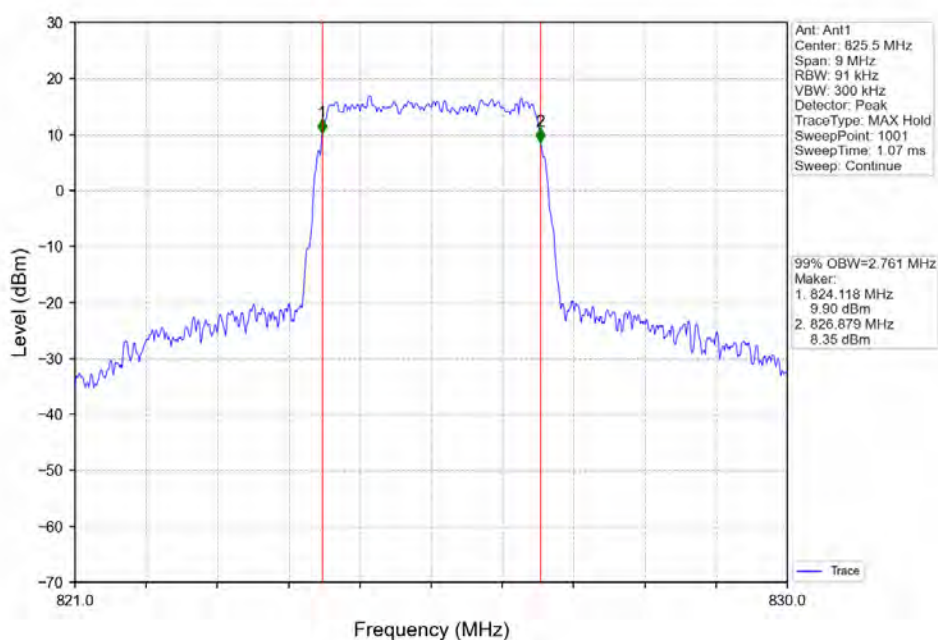
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV



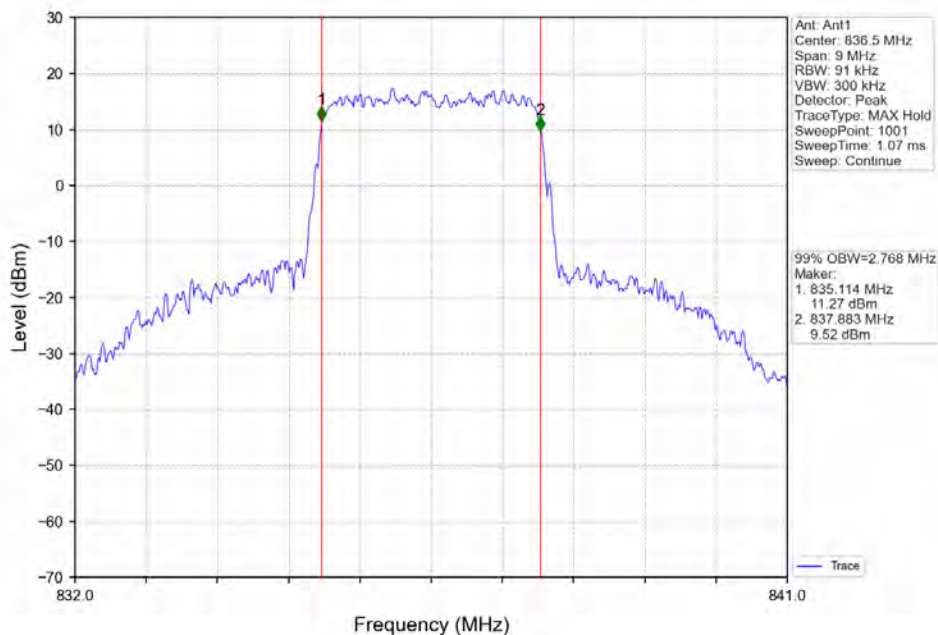
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV



Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV

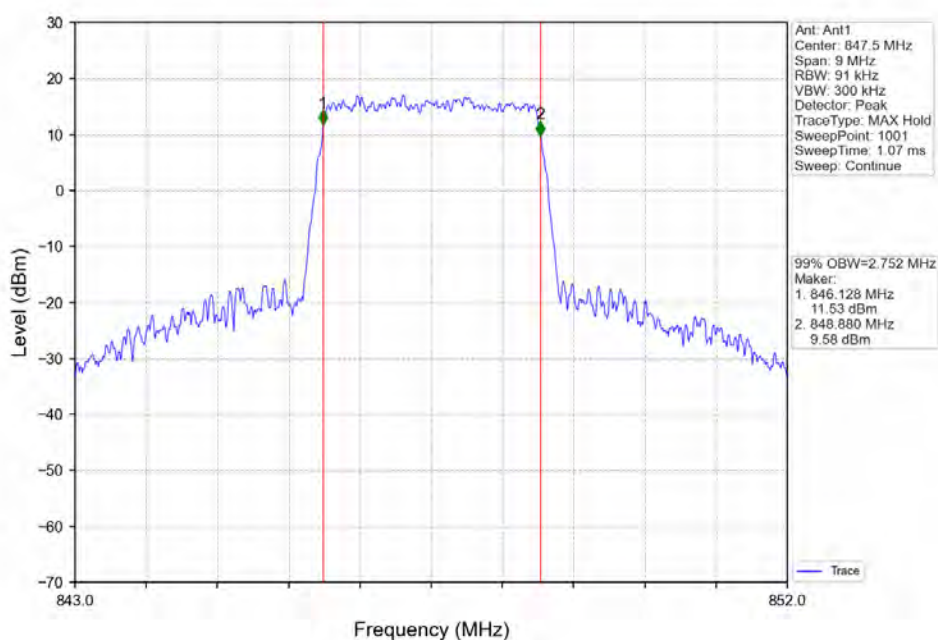


Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV

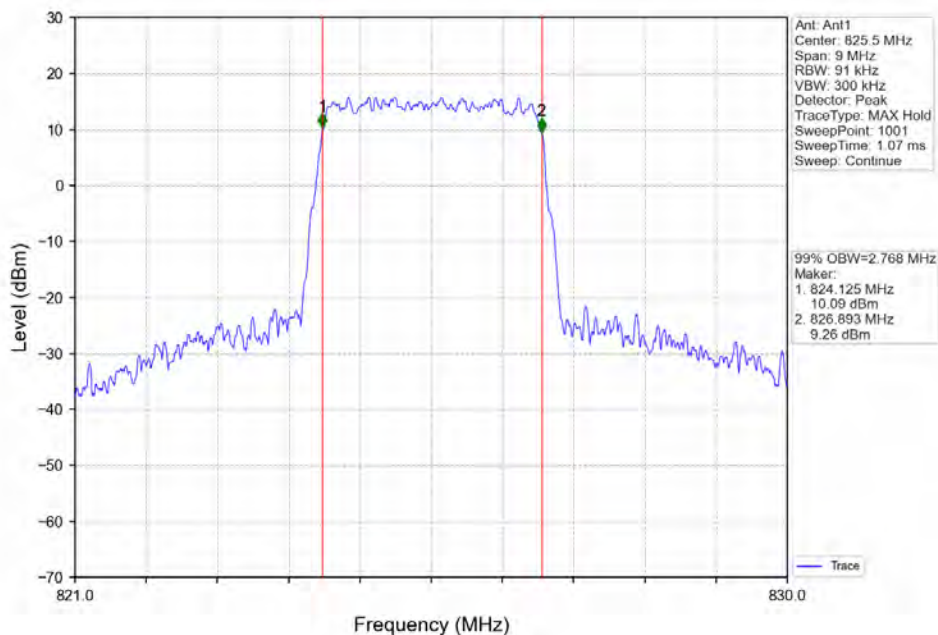




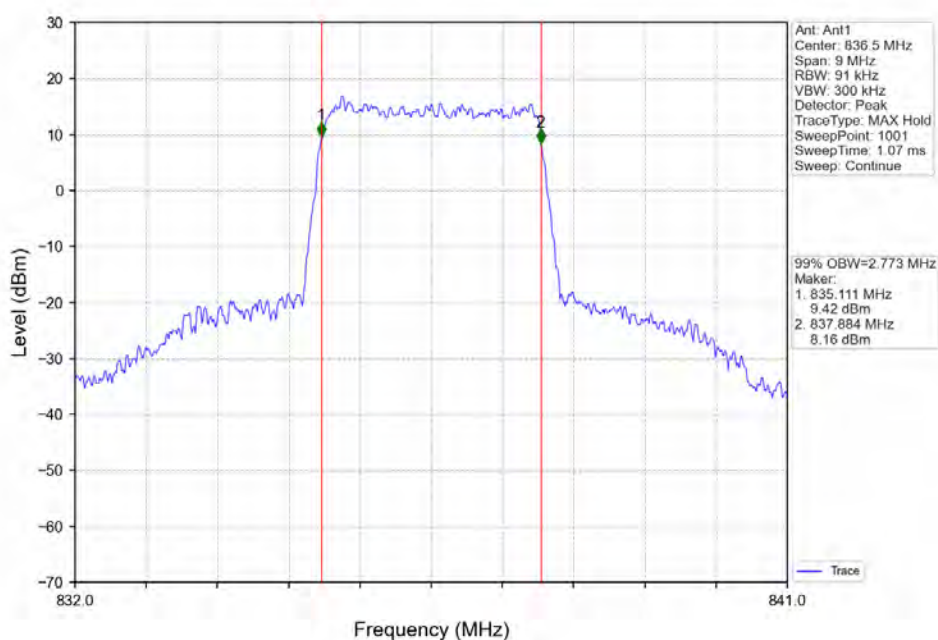
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



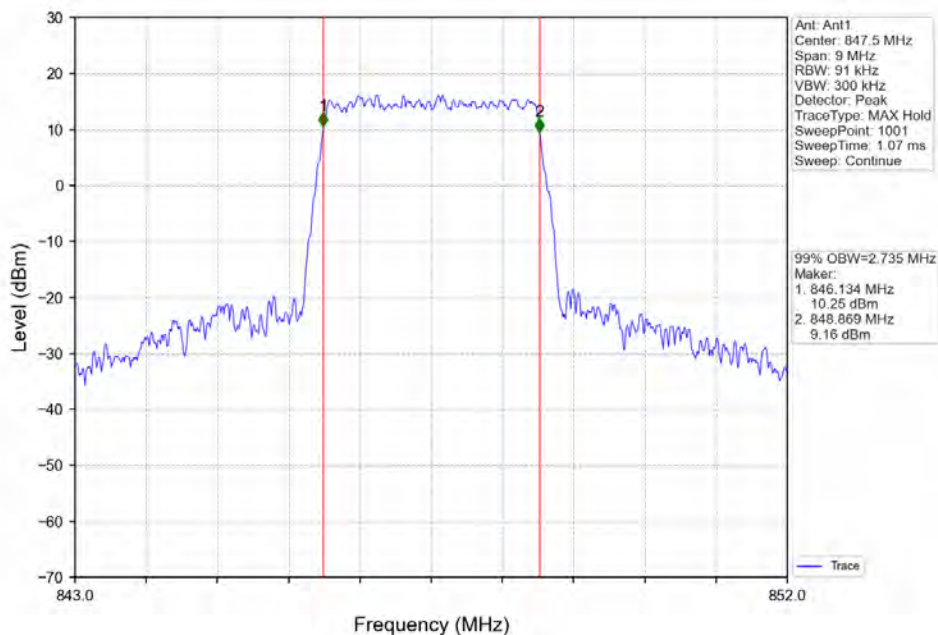
Band5\_3MHz\_64QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



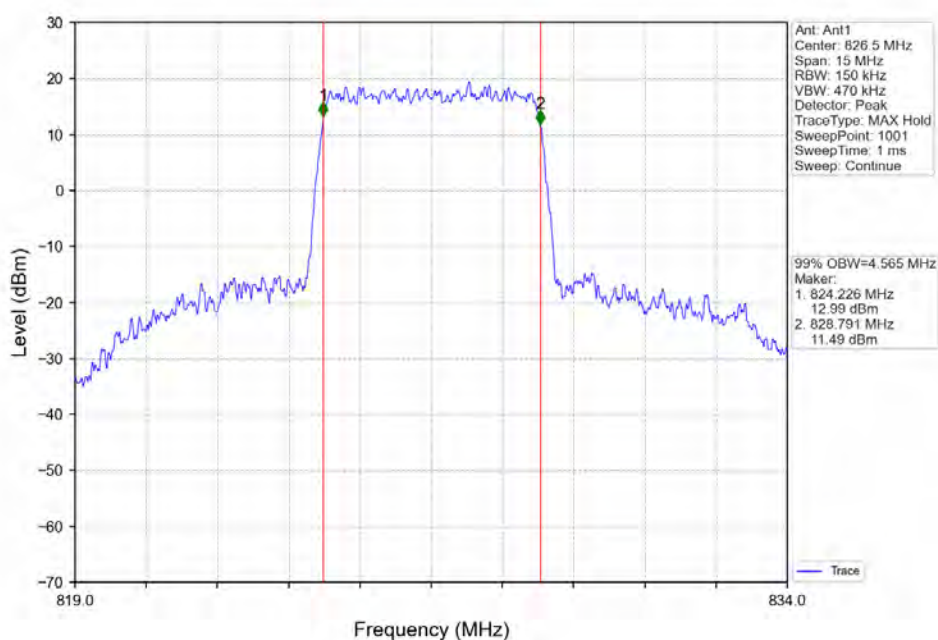
Band5\_3MHz\_64QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



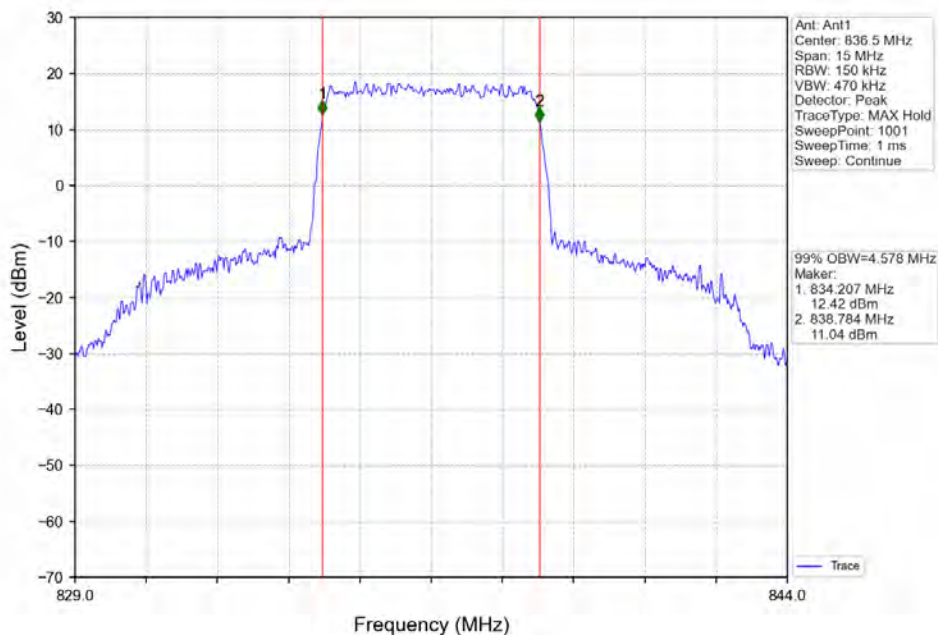
Band5\_3MHz\_64QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



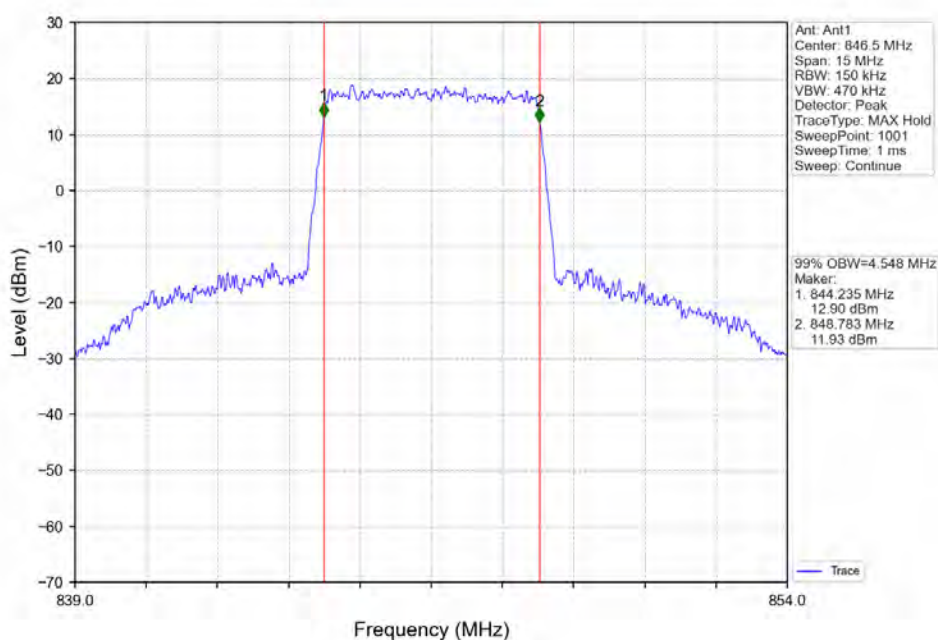
Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



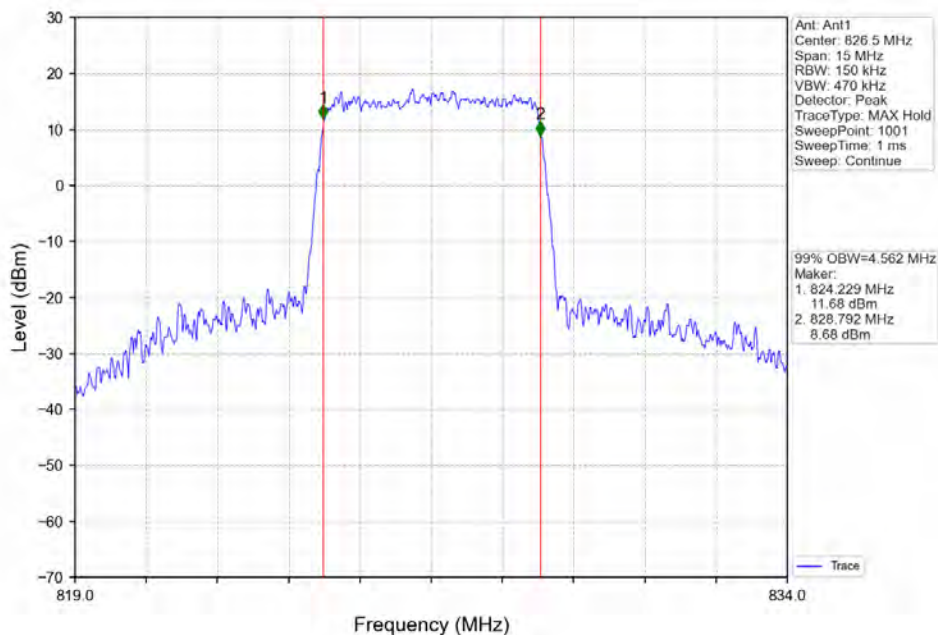
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



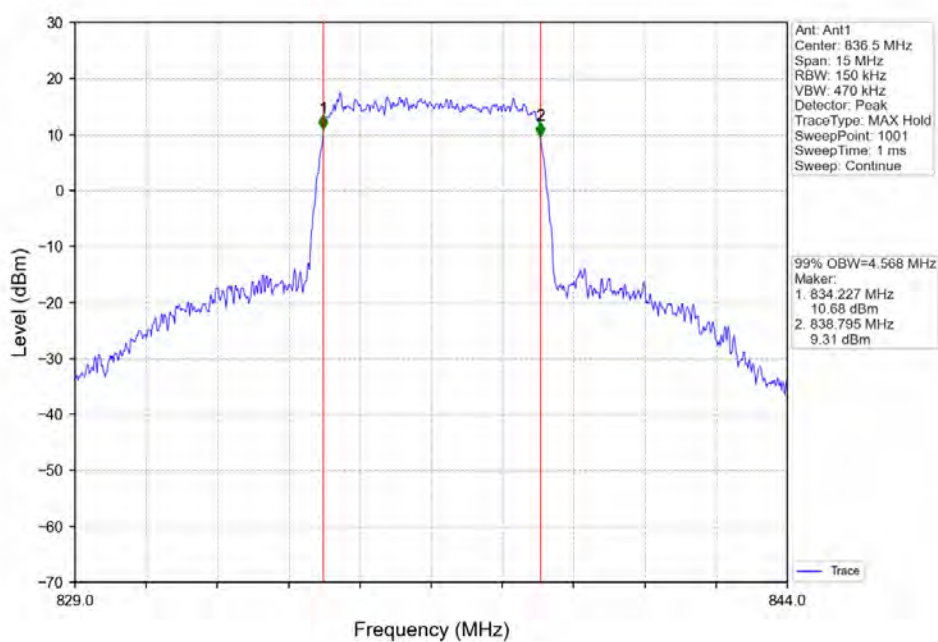
Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



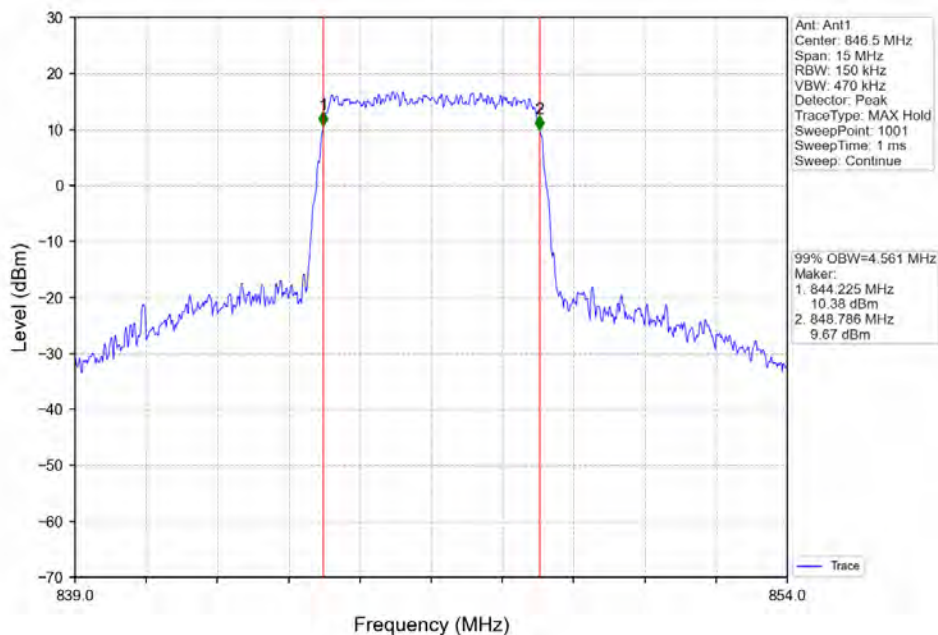
Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV

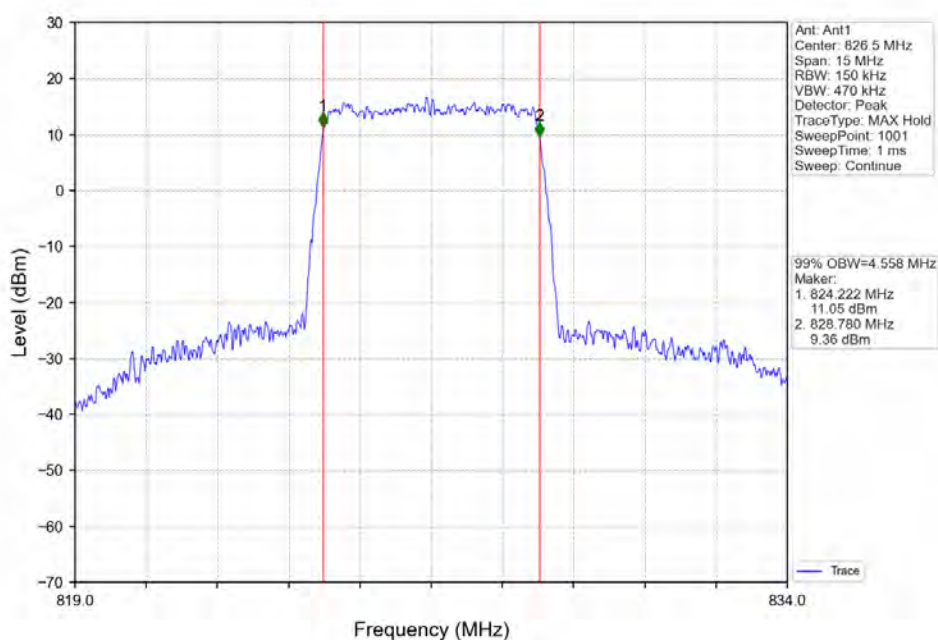


Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV

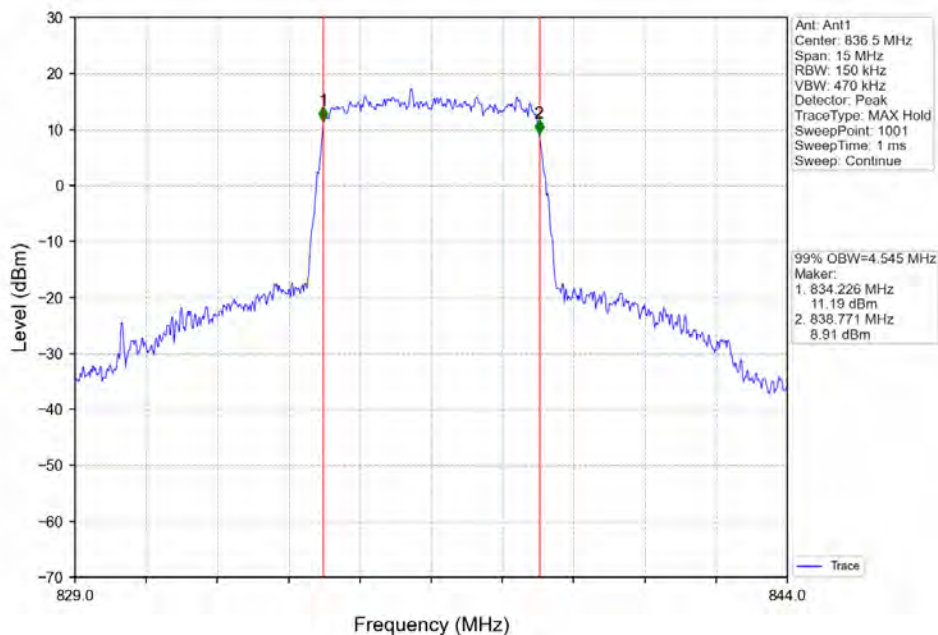




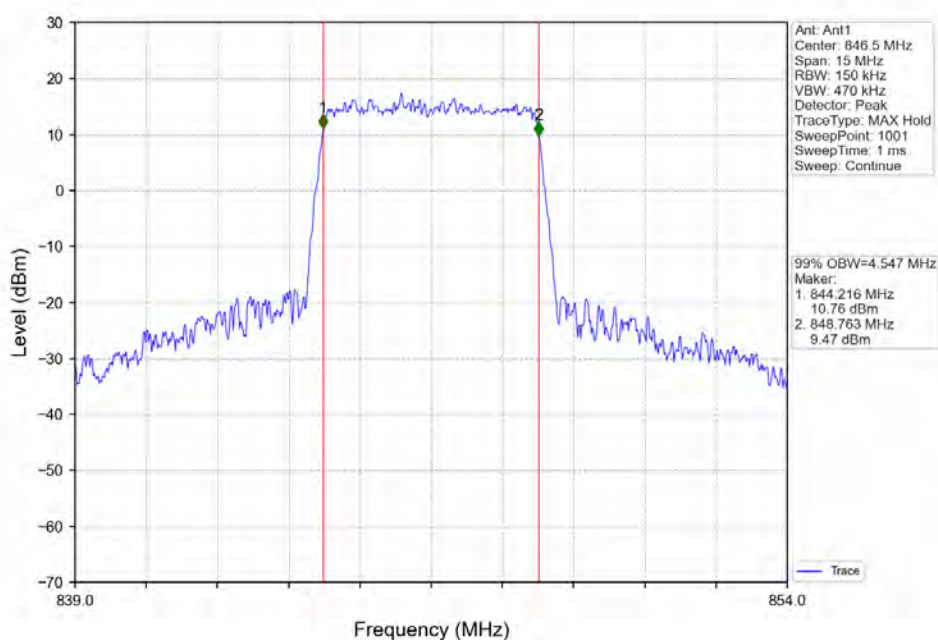
Band5\_5MHz\_64QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



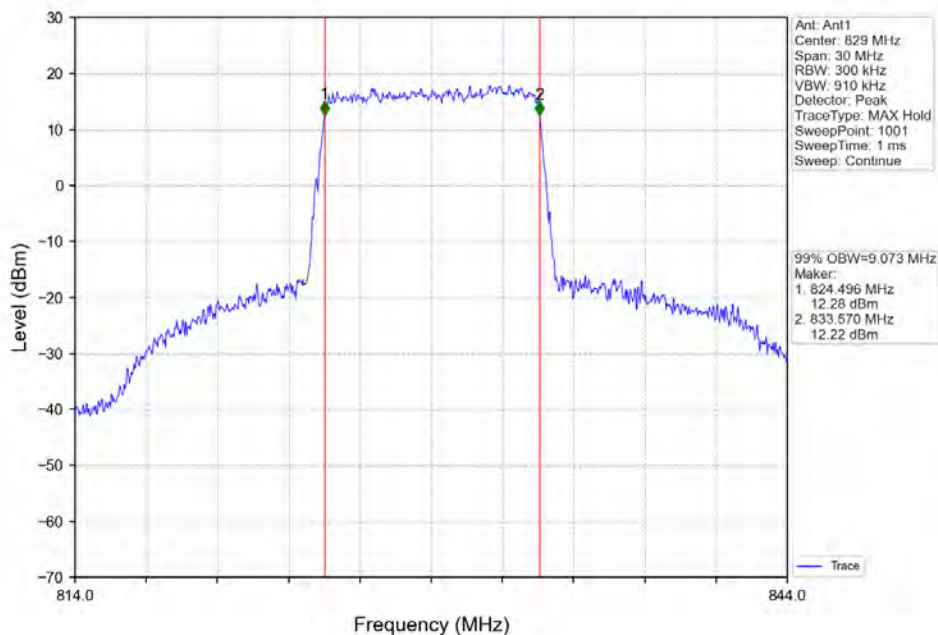
Band5\_5MHz\_64QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



Band5\_5MHz\_64QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV

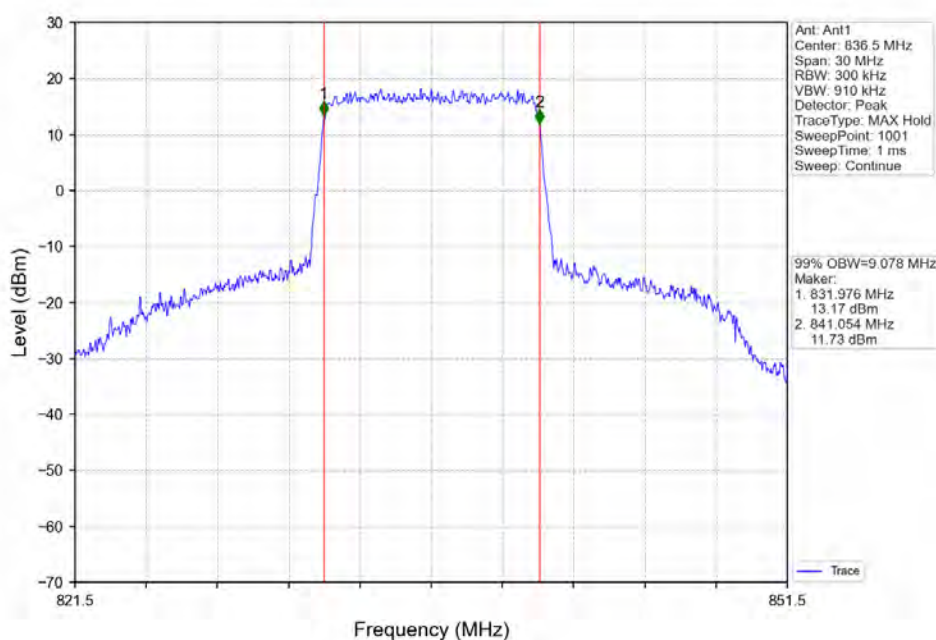


Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV

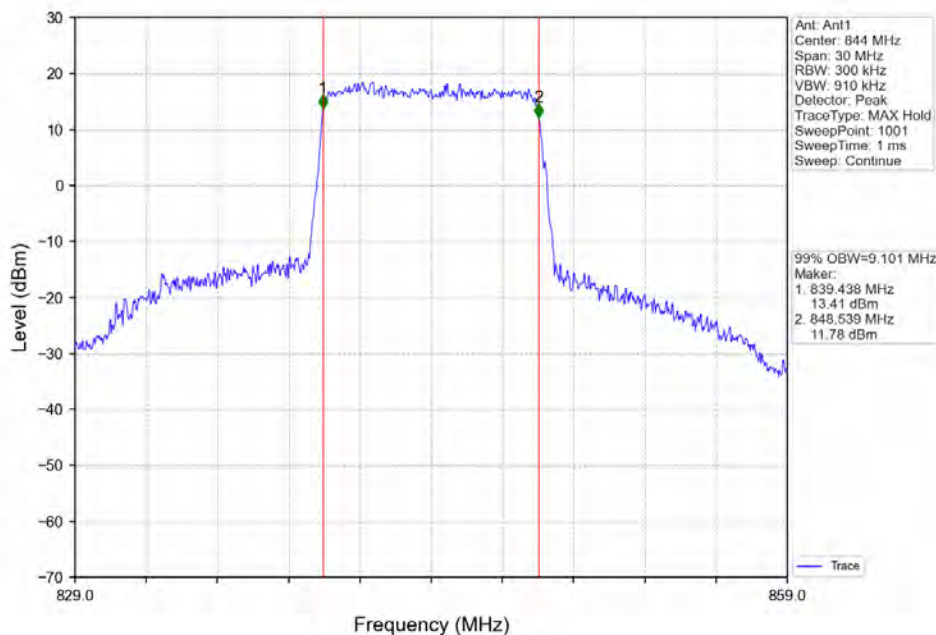




Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV

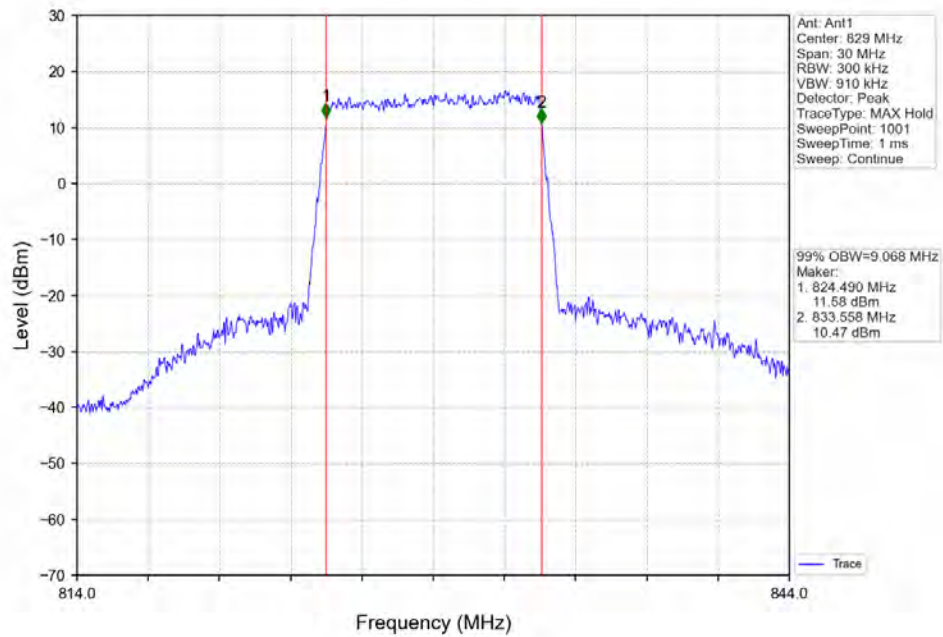




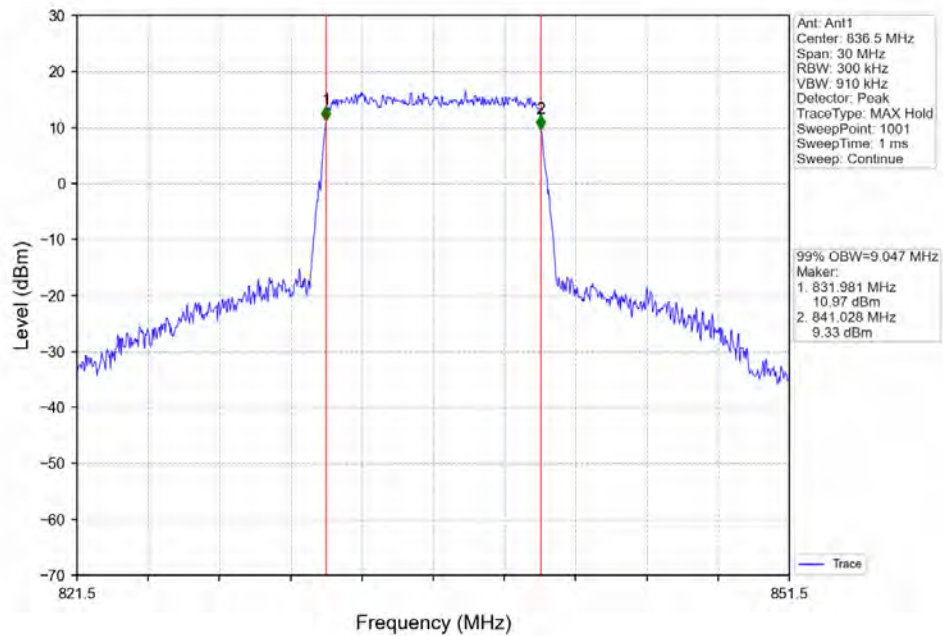
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Test Report No.: W7L-P22090015-4RF04

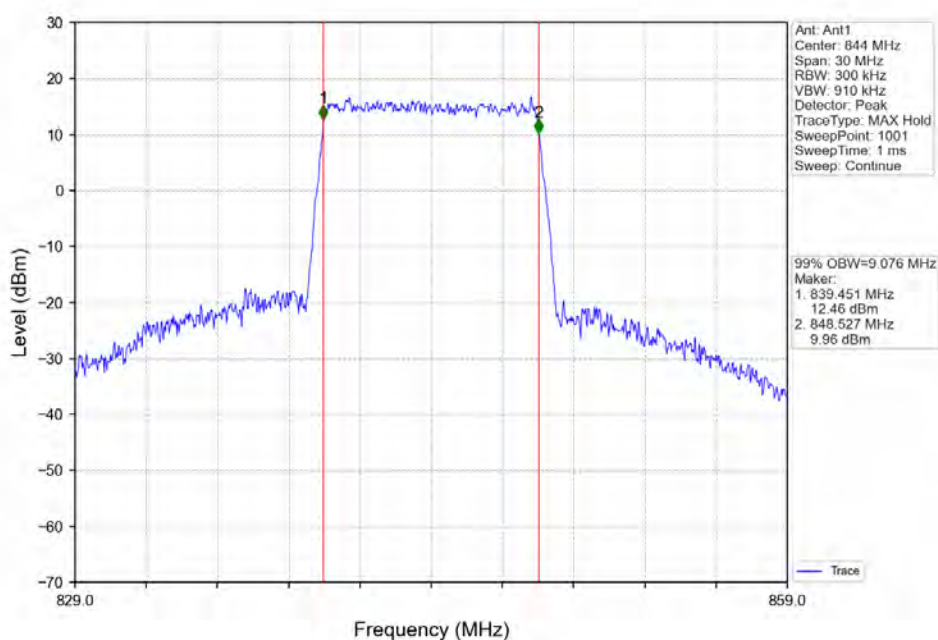
Band5 10MHz 16QAM LCH 829MHz RB 50 0 NTNV



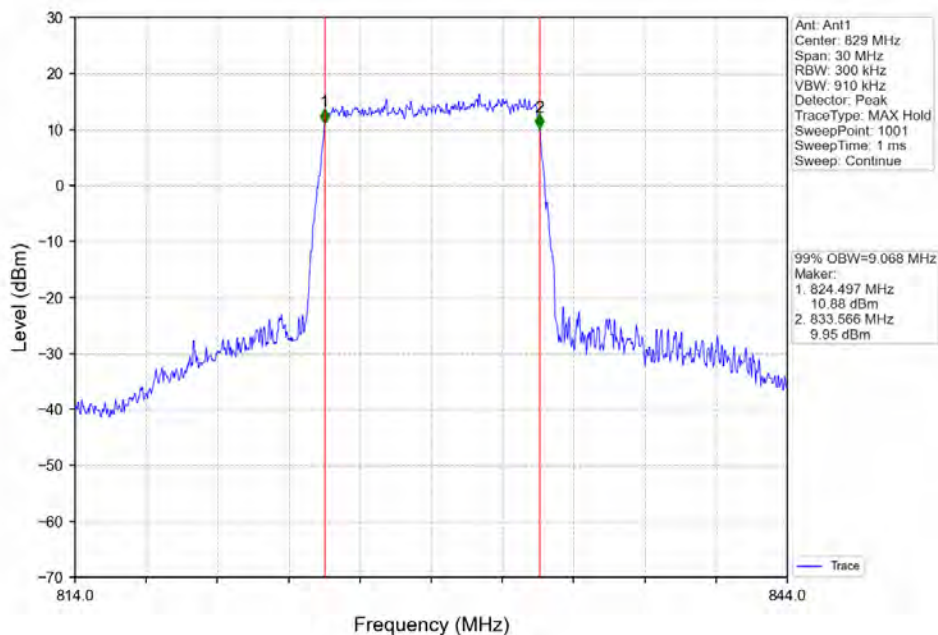
Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



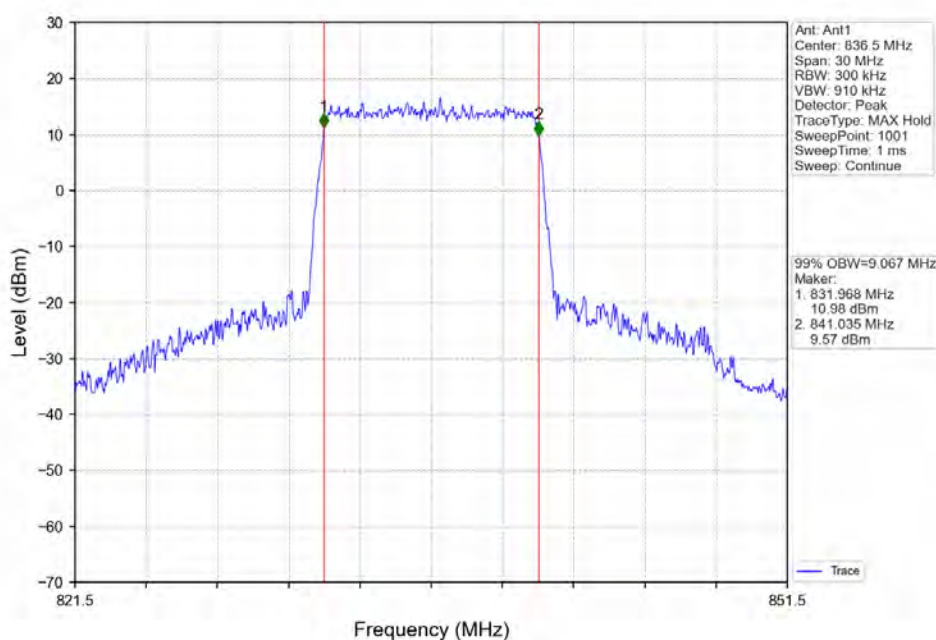
Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_50\_0\_NTNV



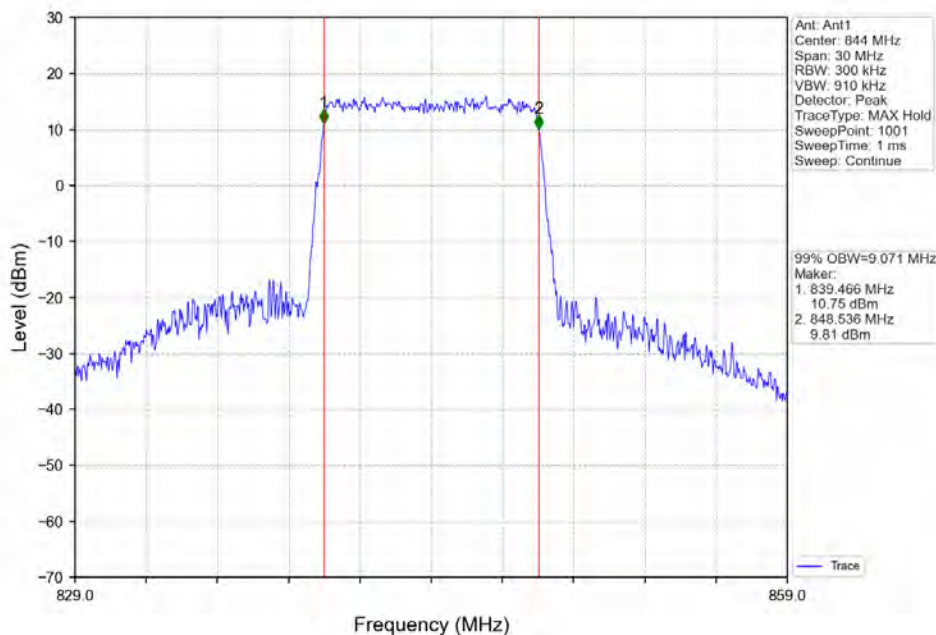
Band5\_10MHz\_64QAM\_LCH\_829MHz\_RB\_50\_0\_NTNV



Band5\_10MHz\_64QAM\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



Band5\_10MHz\_64QAM\_HCH\_844MHz\_RB\_50\_0\_NTNV



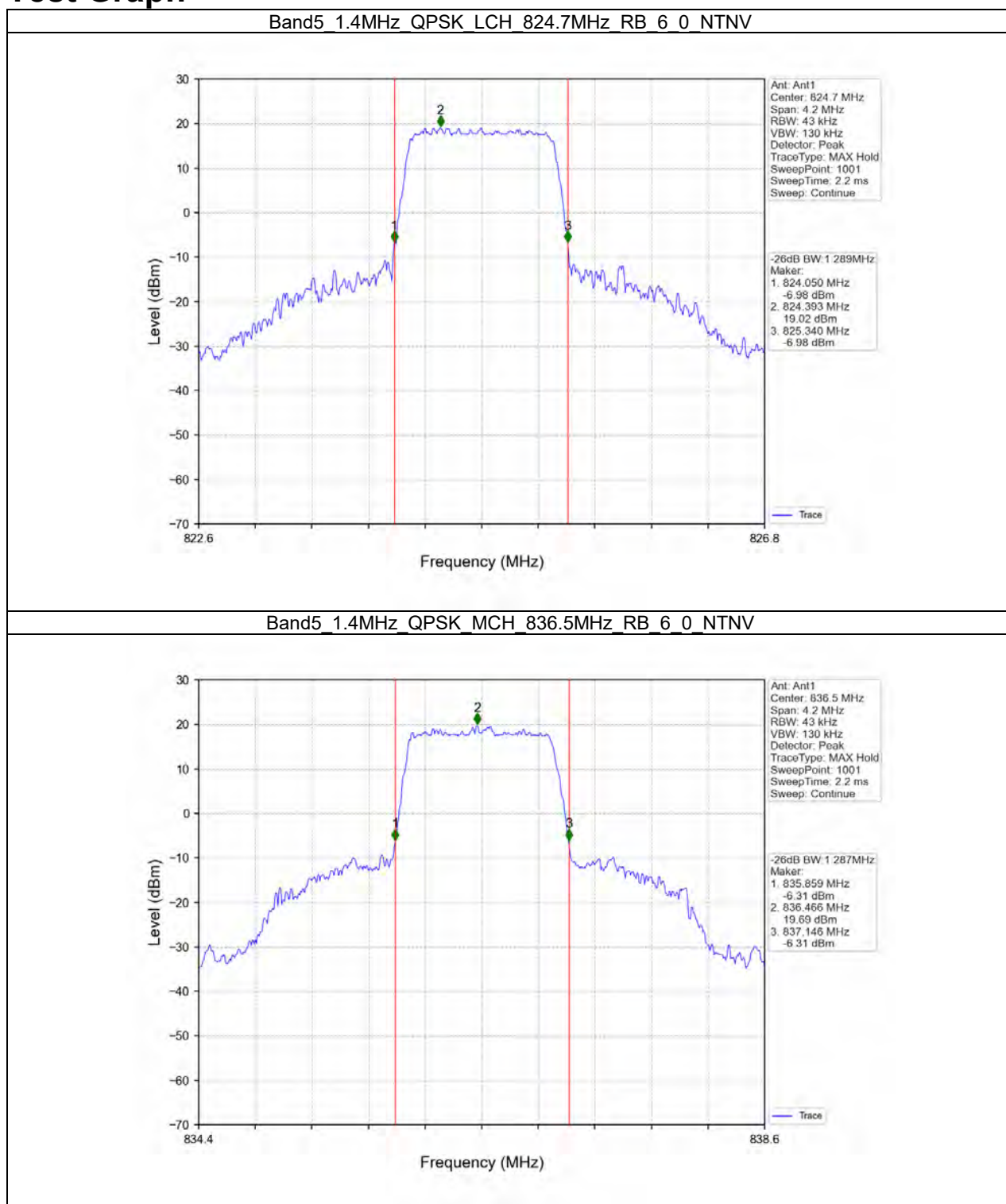


## 26DB\_OBW Test Result

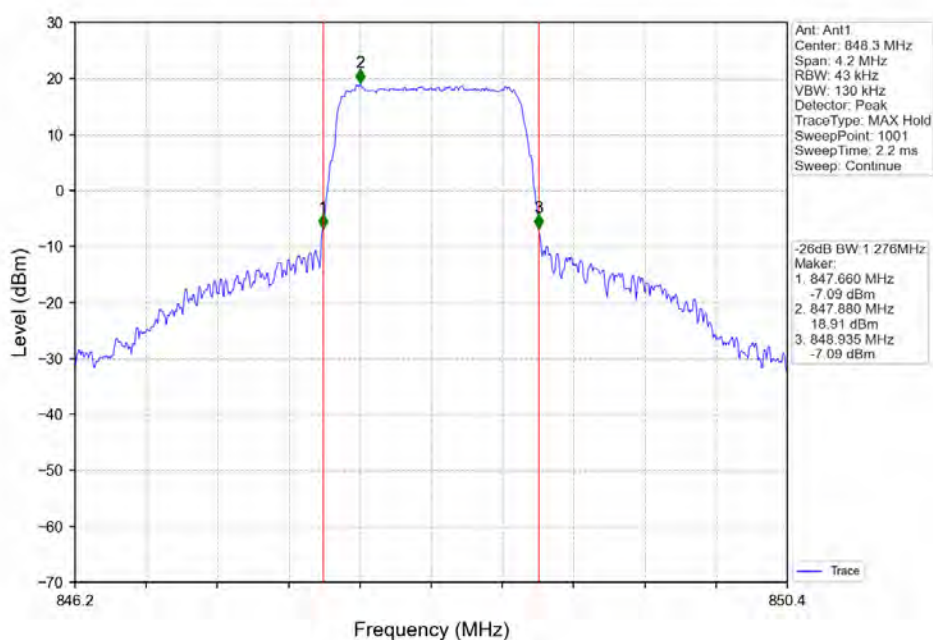
Band: 5 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.289	Pass
		836.5	6	0	1.287	Pass
		848.3	6	0	1.276	Pass
	16QAM	824.7	6	0	1.262	Pass
		836.5	6	0	1.278	Pass
		848.3	6	0	1.272	Pass
	64QAM	824.7	6	0	1.272	Pass
		836.5	6	0	1.269	Pass
		848.3	6	0	1.261	Pass
3	QPSK	825.5	15	0	3.096	Pass
		836.5	15	0	3.125	Pass
		847.5	15	0	3.098	Pass
	16QAM	825.5	15	0	3.088	Pass
		836.5	15	0	3.099	Pass
		847.5	15	0	3.093	Pass
	64QAM	825.5	15	0	3.113	Pass
		836.5	15	0	3.104	Pass
		847.5	15	0	3.112	Pass
5	QPSK	826.5	25	0	5.045	Pass
		836.5	25	0	5.054	Pass
		846.5	25	0	5.072	Pass
	16QAM	826.5	25	0	5.047	Pass
		836.5	25	0	5.080	Pass
		846.5	25	0	5.058	Pass
	64QAM	826.5	25	0	5.082	Pass
		836.5	25	0	5.051	Pass
		846.5	25	0	5.042	Pass
10	QPSK	829	50	0	10.067	Pass
		836.5	50	0	10.076	Pass
		844	50	0	10.082	Pass
	16QAM	829	50	0	10.060	Pass
		836.5	50	0	10.100	Pass
		844	50	0	10.046	Pass
	64QAM	829	50	0	10.018	Pass
		836.5	50	0	9.978	Pass
		844	50	0	10.035	Pass



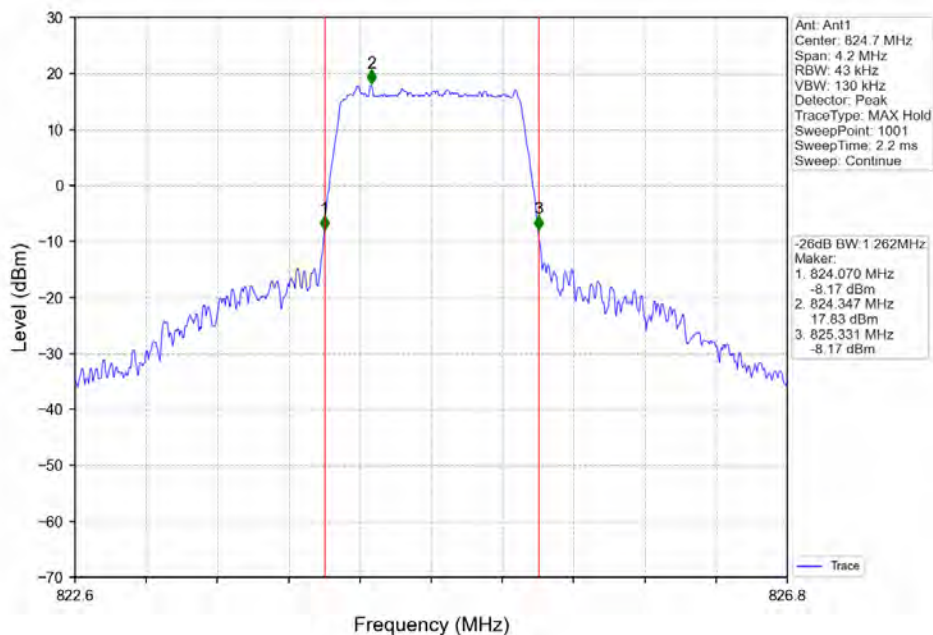
## Test Graph



Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV

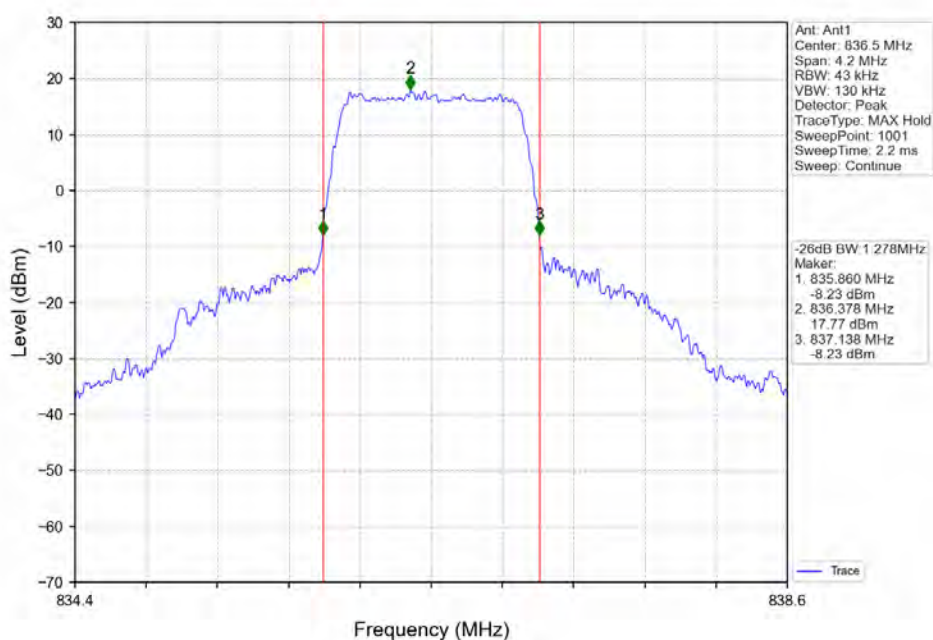


Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV

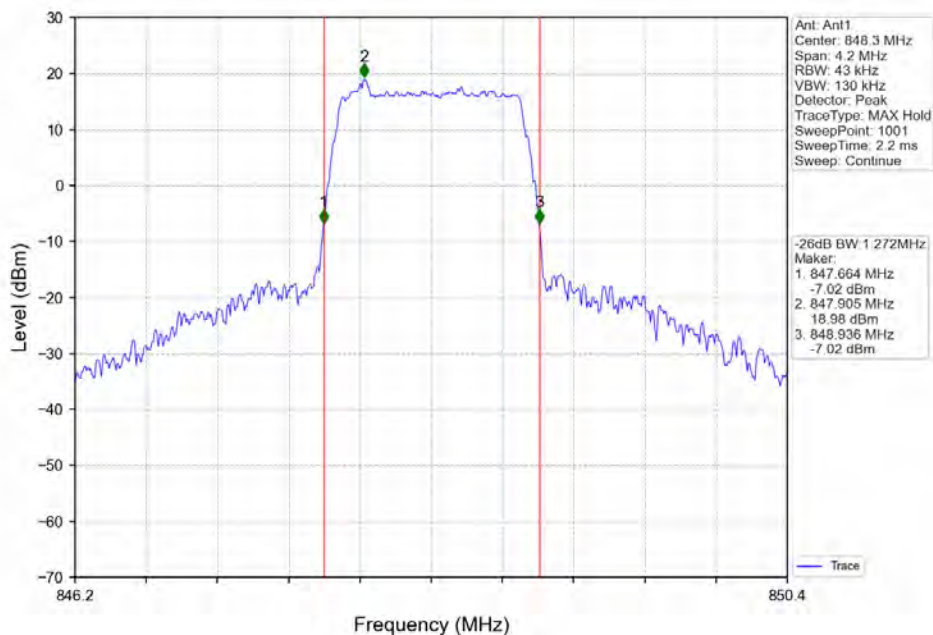




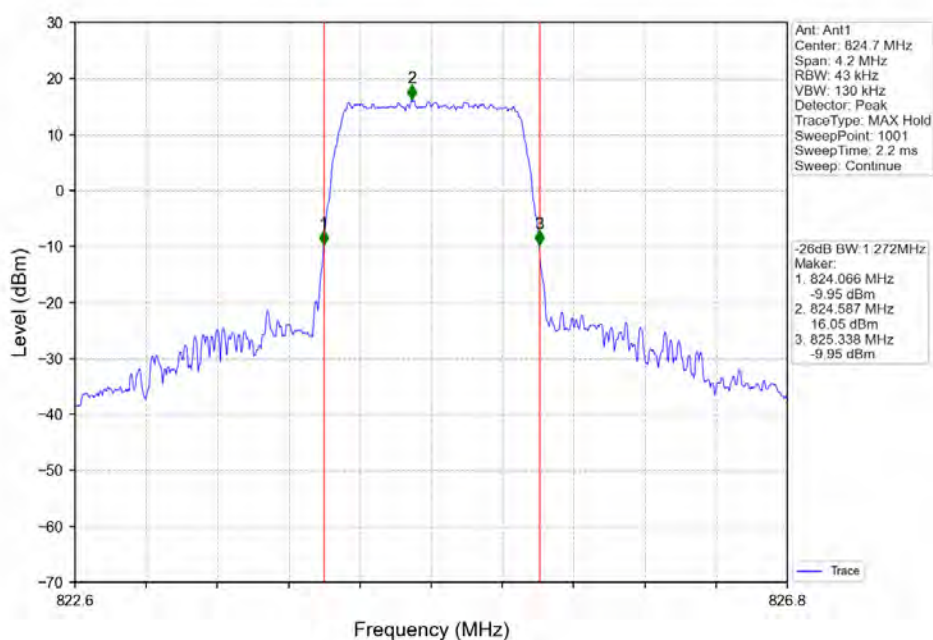
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



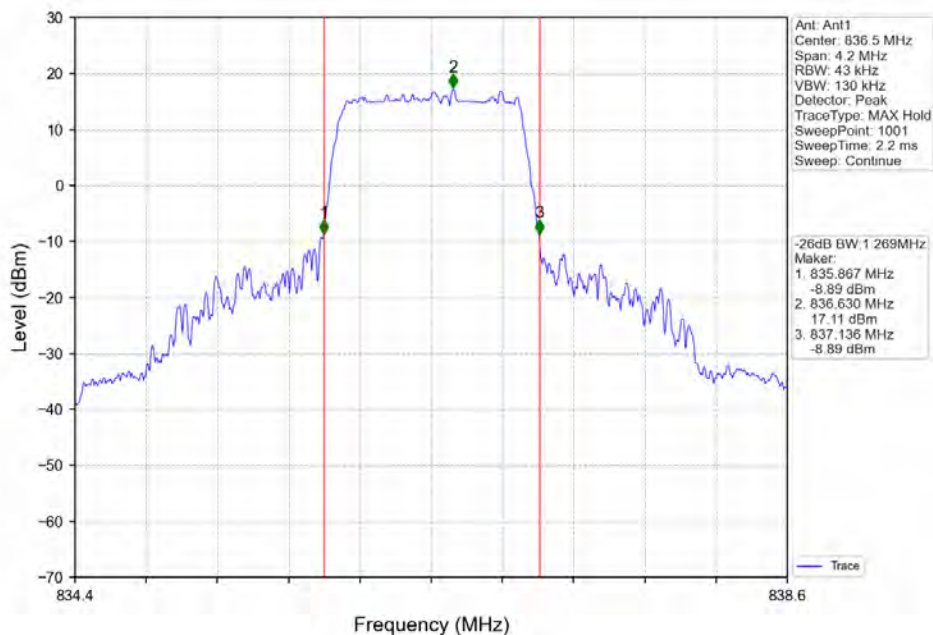
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



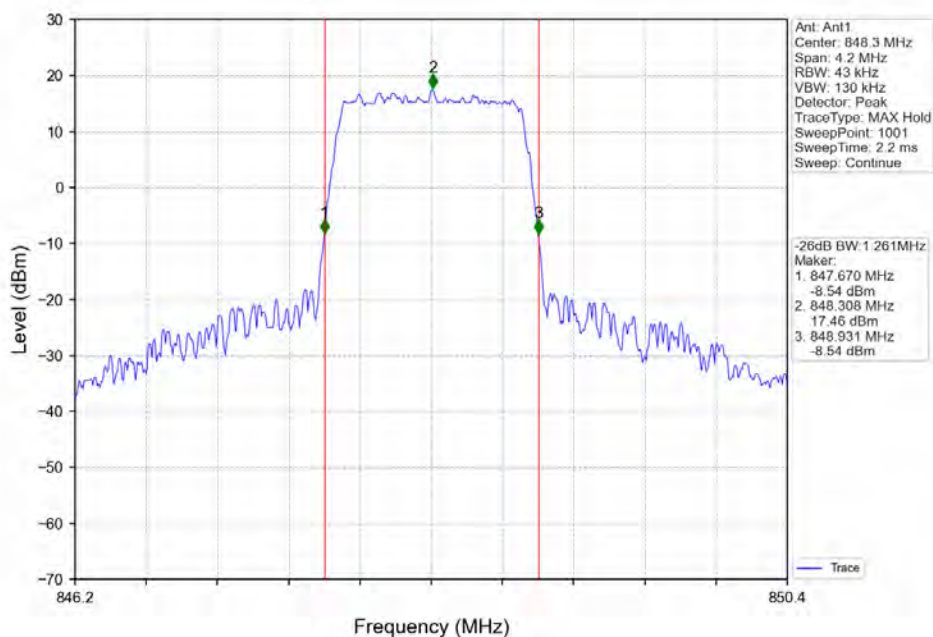
Band5 1.4MHz 64QAM LCH 824.7MHz RB 6 0 NTNV



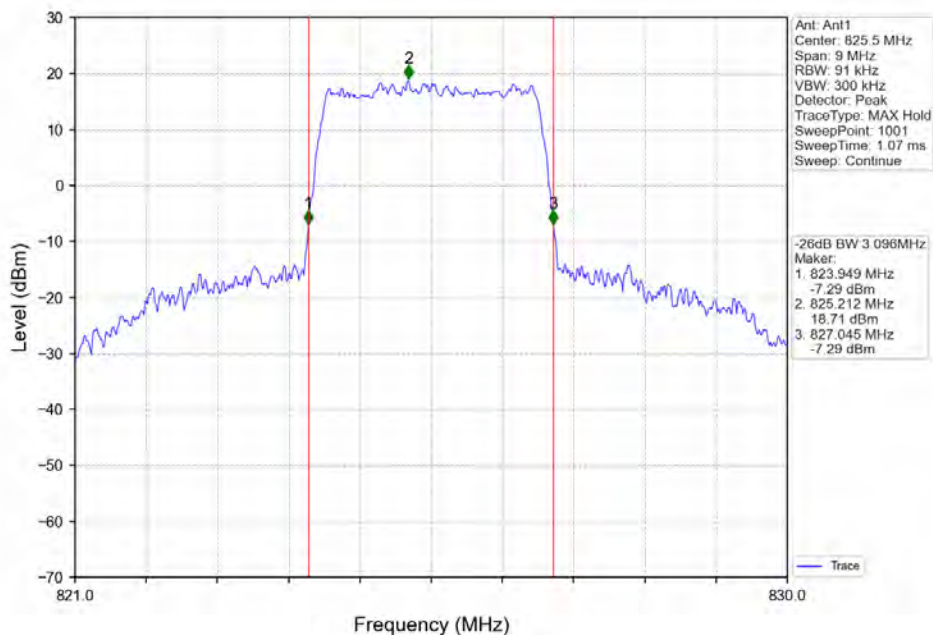
Band5 1.4MHz 64QAM MCH 836.5MHz RB 6 0 NTNV



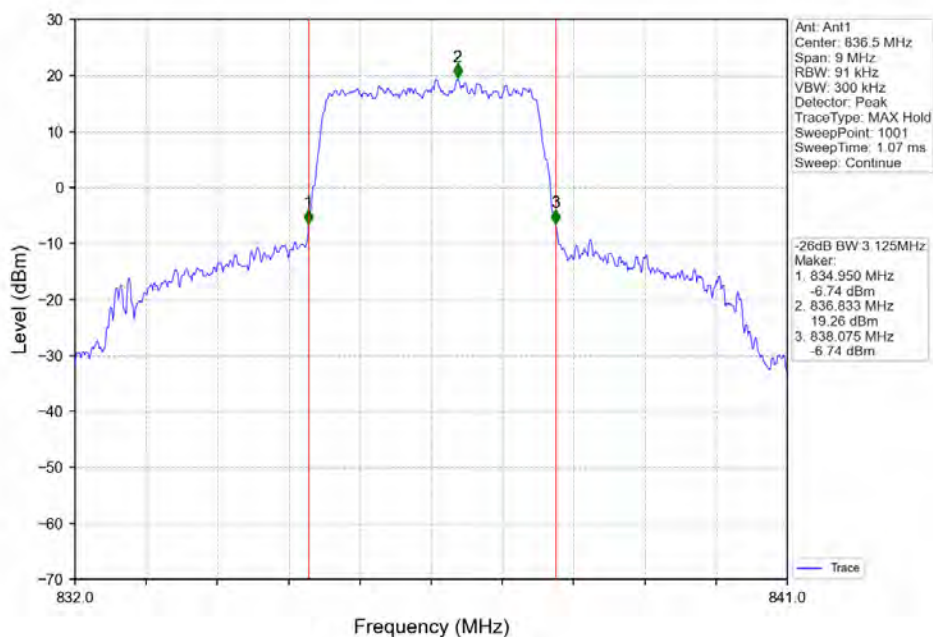
Band5 1.4MHz 64QAM HCH 848.3MHz RB 6 0 NTNV



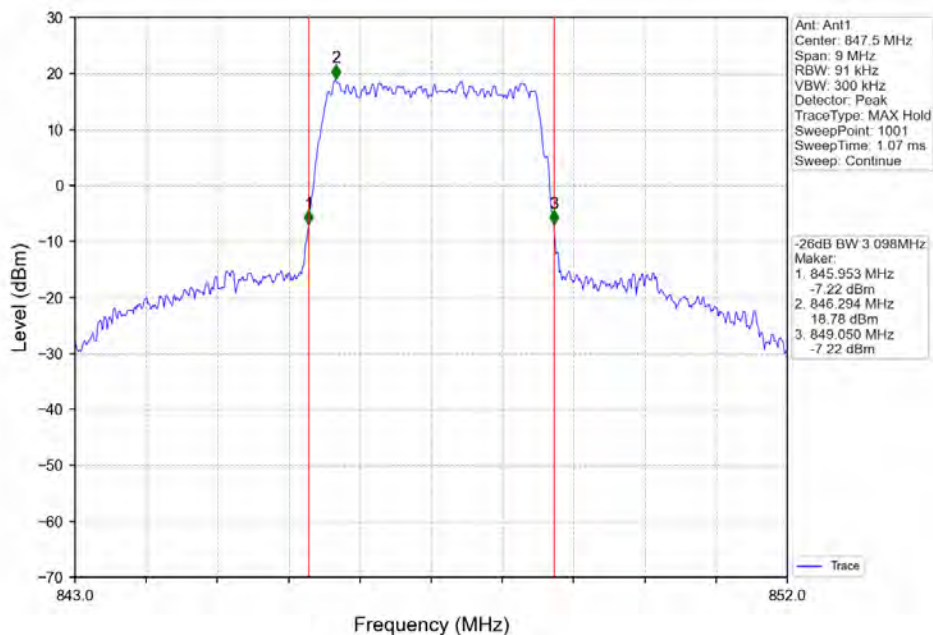
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTNV



Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV

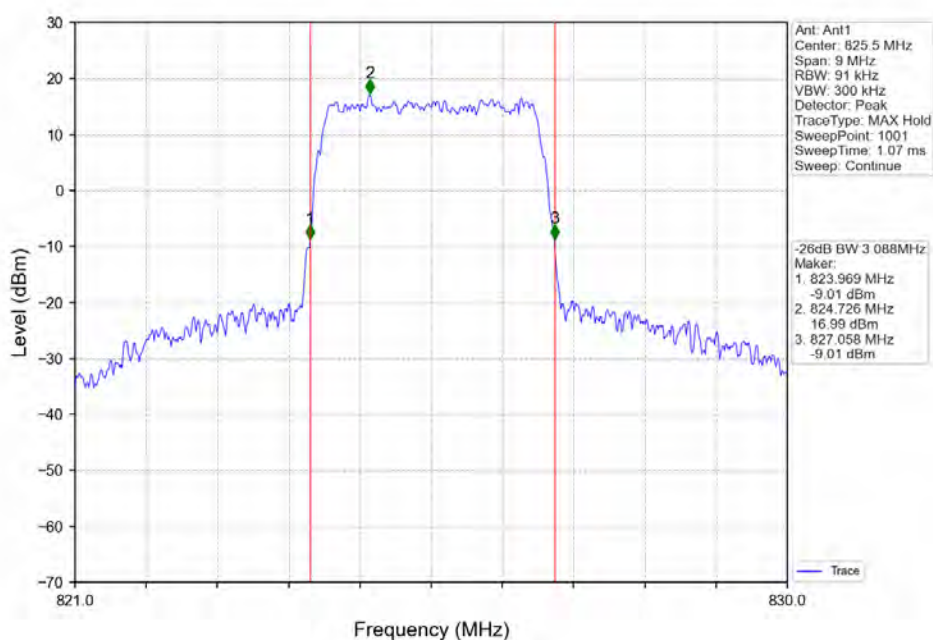


Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV

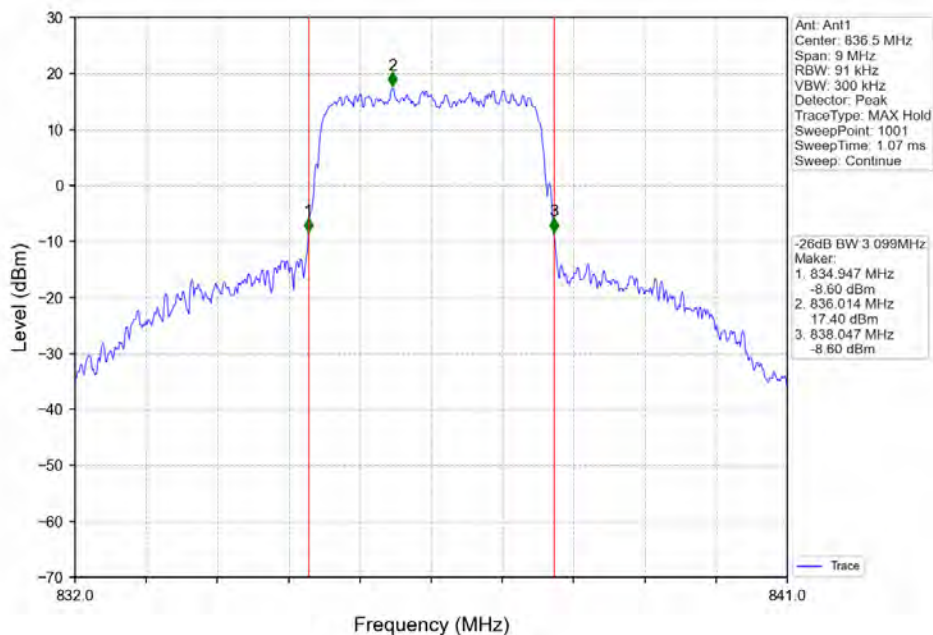




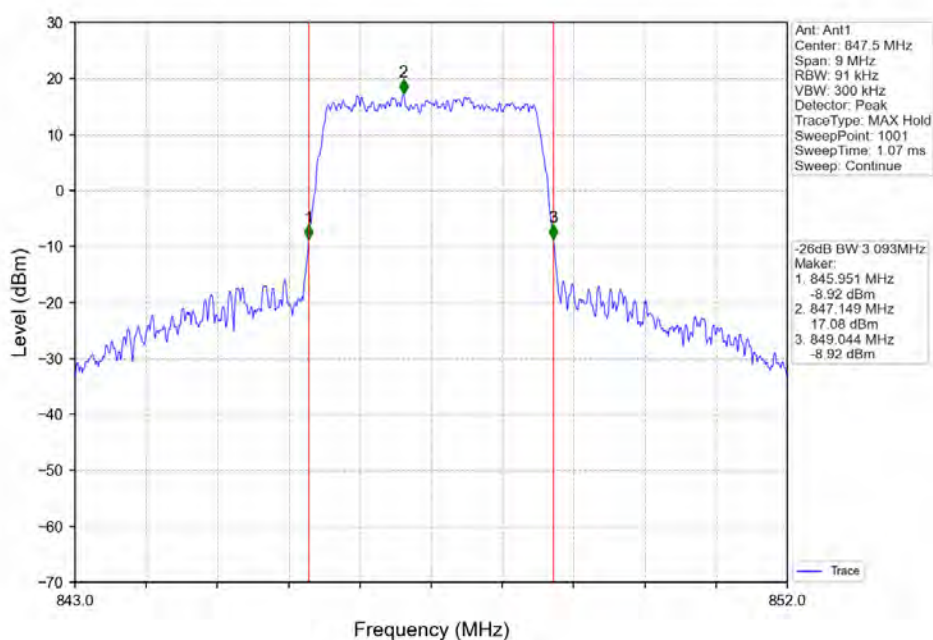
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



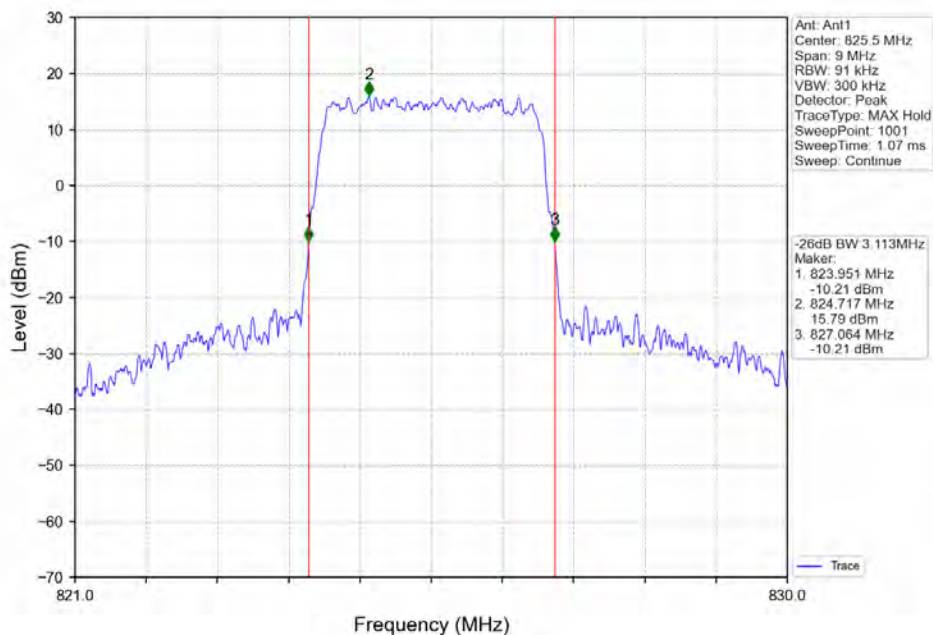
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



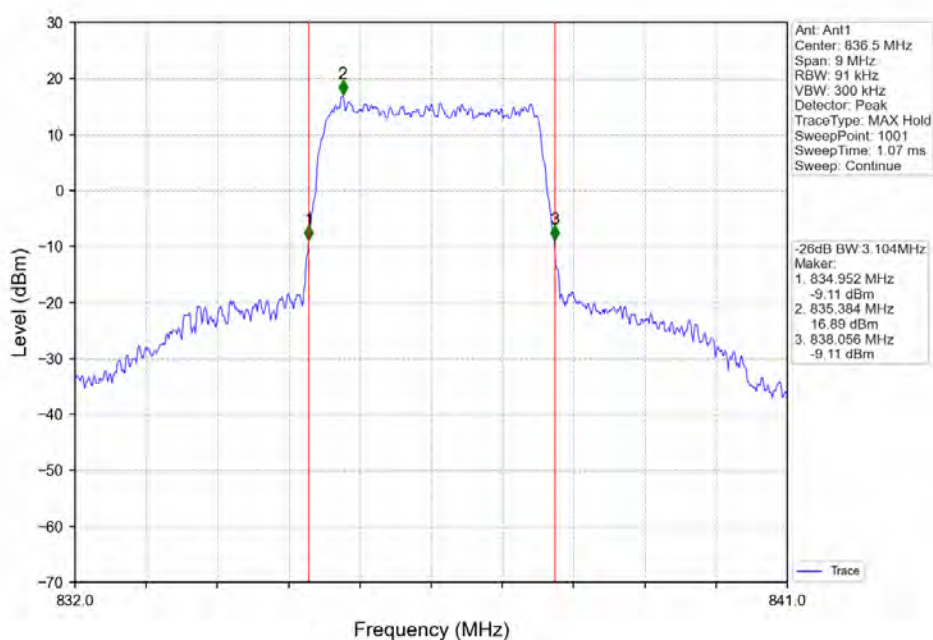
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



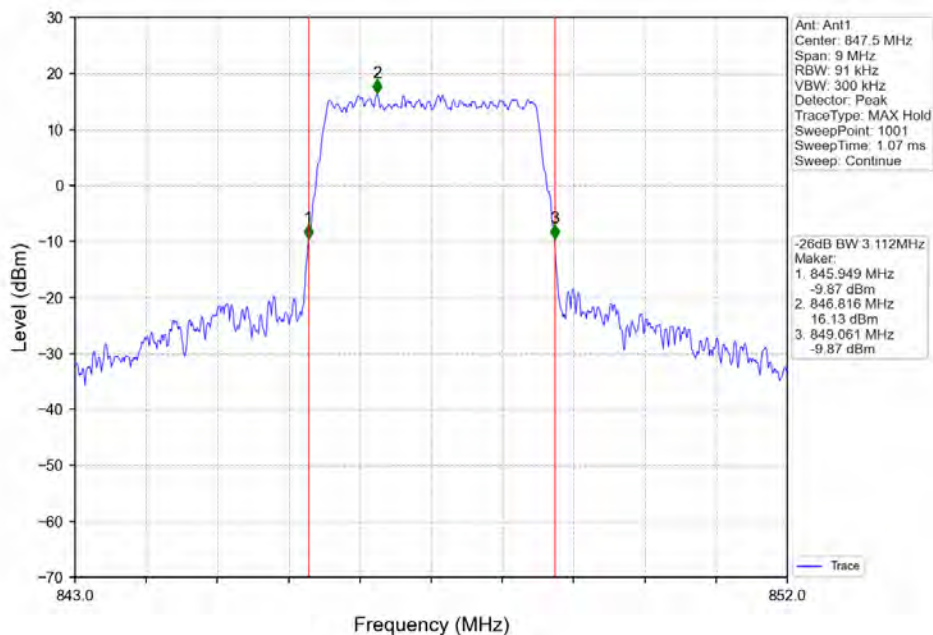
Band5\_3MHz\_64QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



Band5\_3MHz\_64QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV

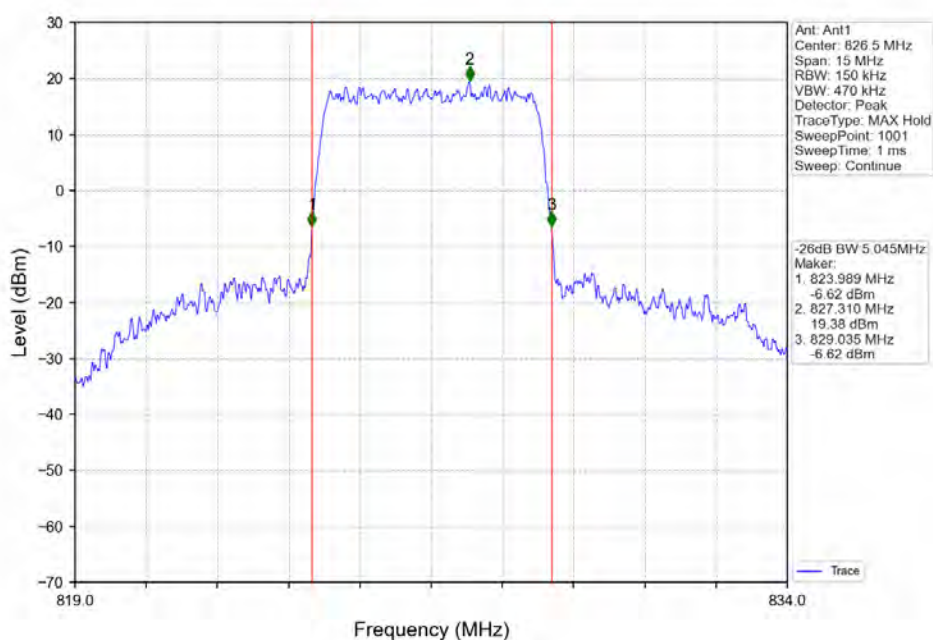


Band5\_3MHz\_64QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV

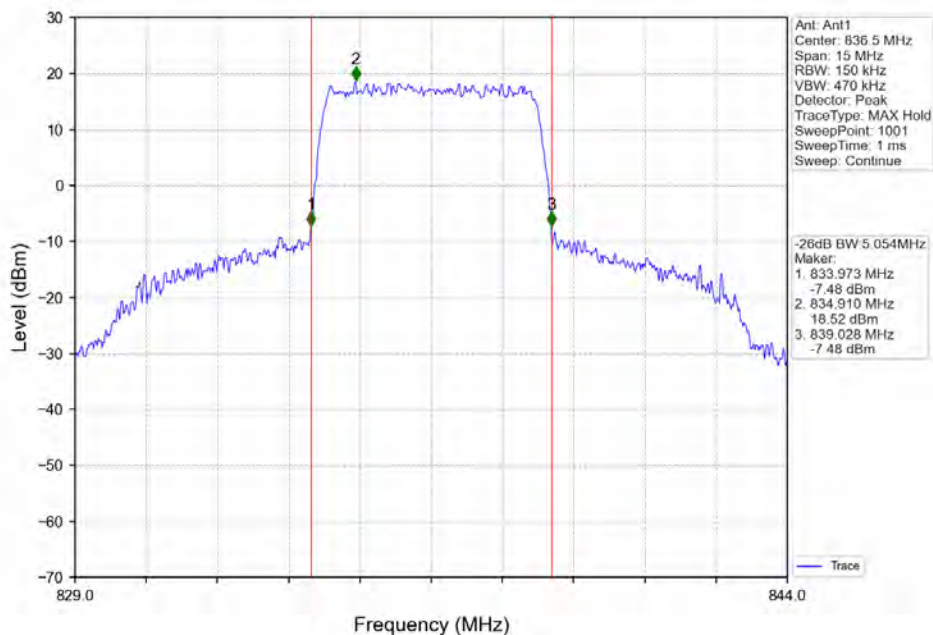




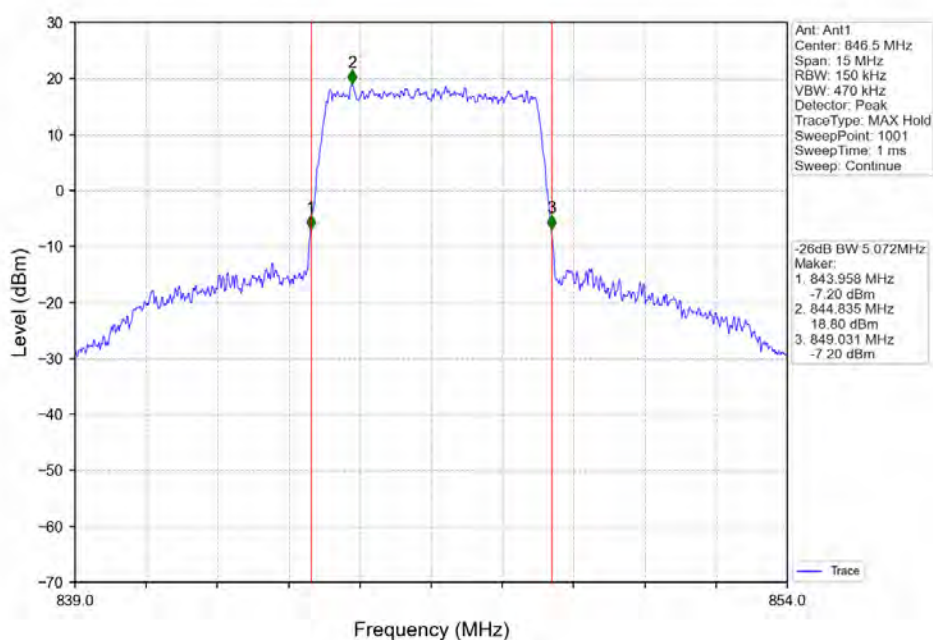
Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



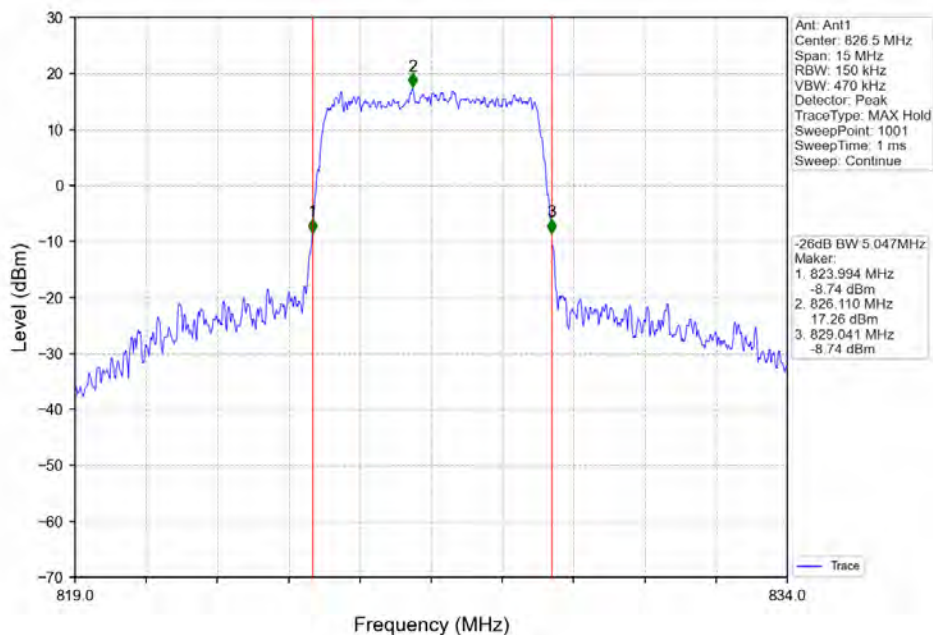
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



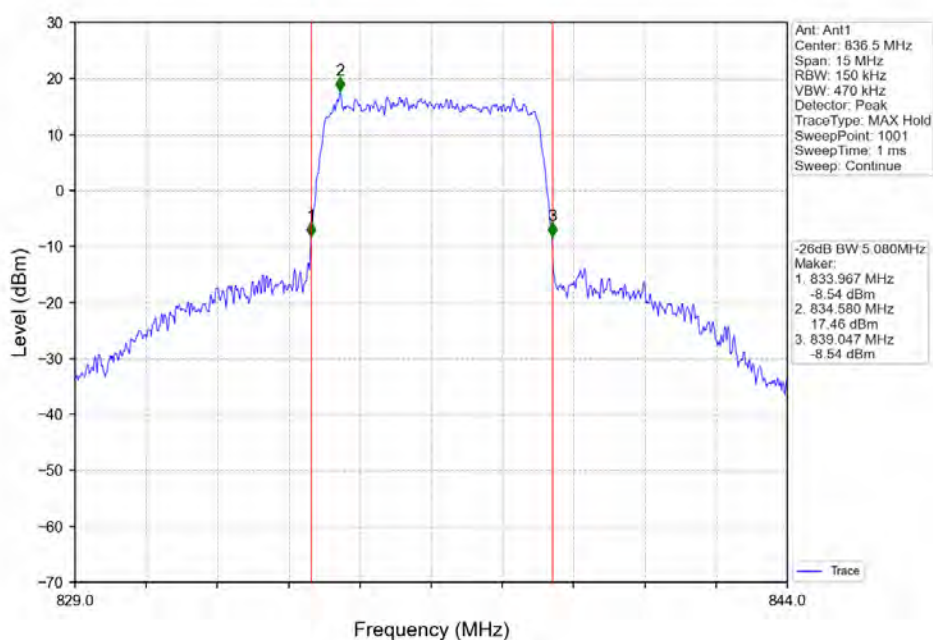
Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



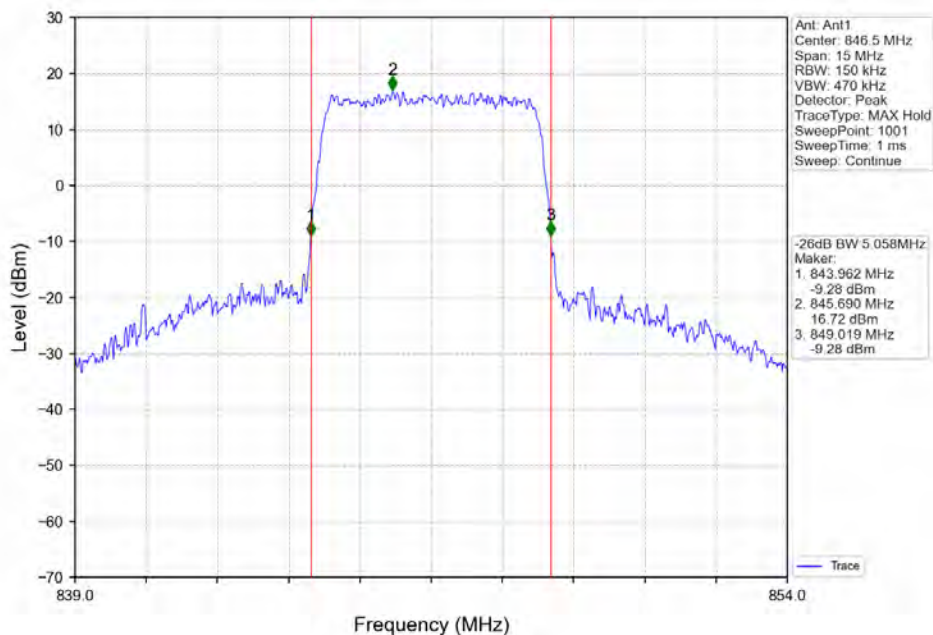
Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



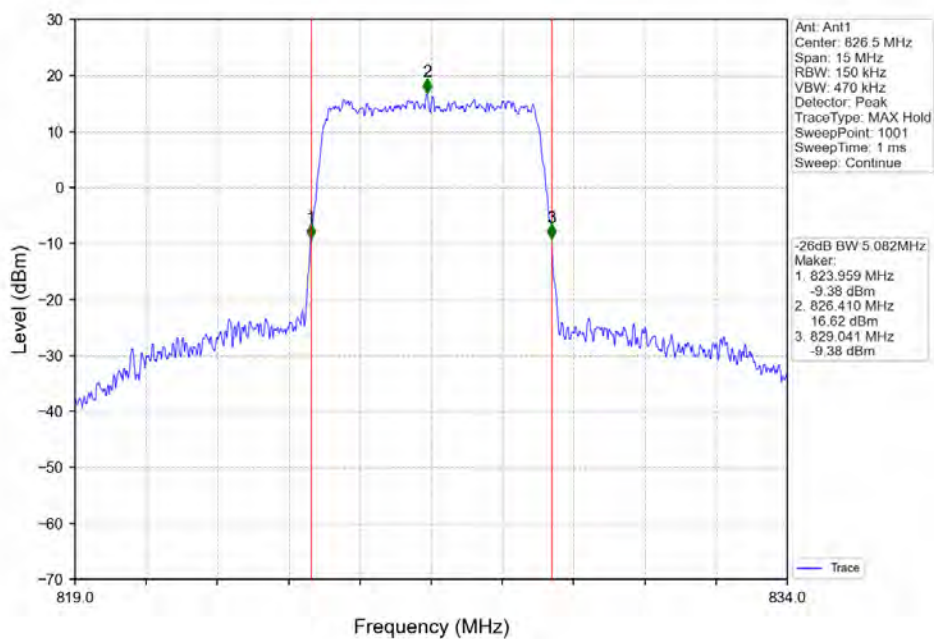
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



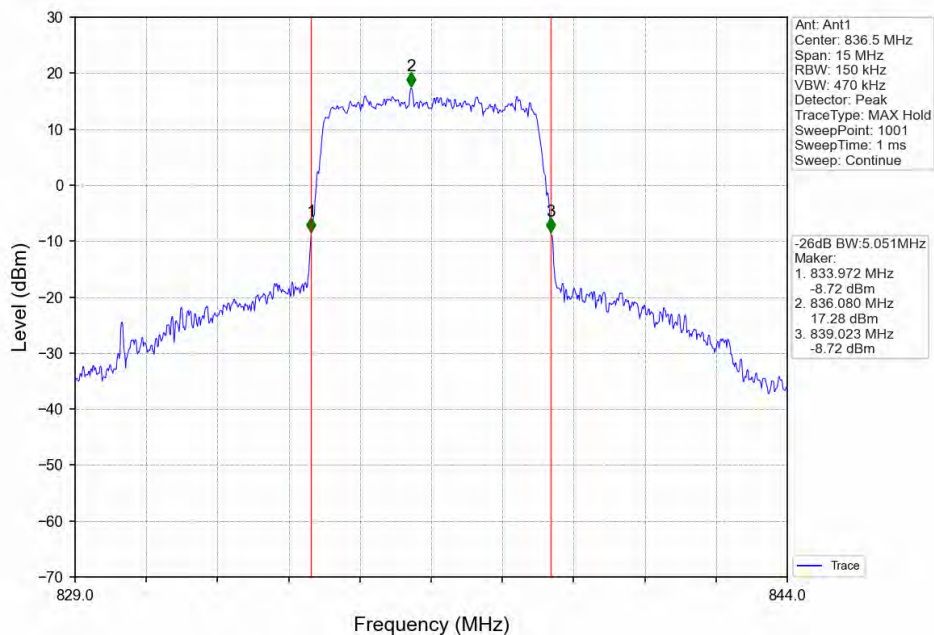
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



Band5\_5MHz\_64QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV

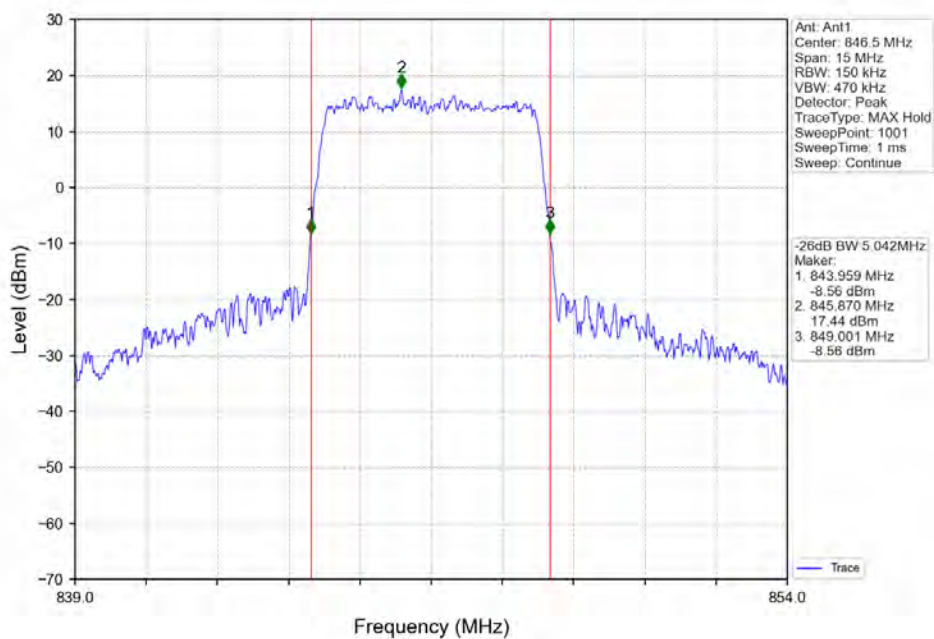


Band5\_5MHz\_64QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV





Band5\_5MHz\_64QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV

