



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	
		50	3.85	6.55	0.01	-2.5 to 2.5	Pass	
		EGSM	824.2	20	3.27	1.13	0.00	-2.5 to 2.5
	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
			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	



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		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

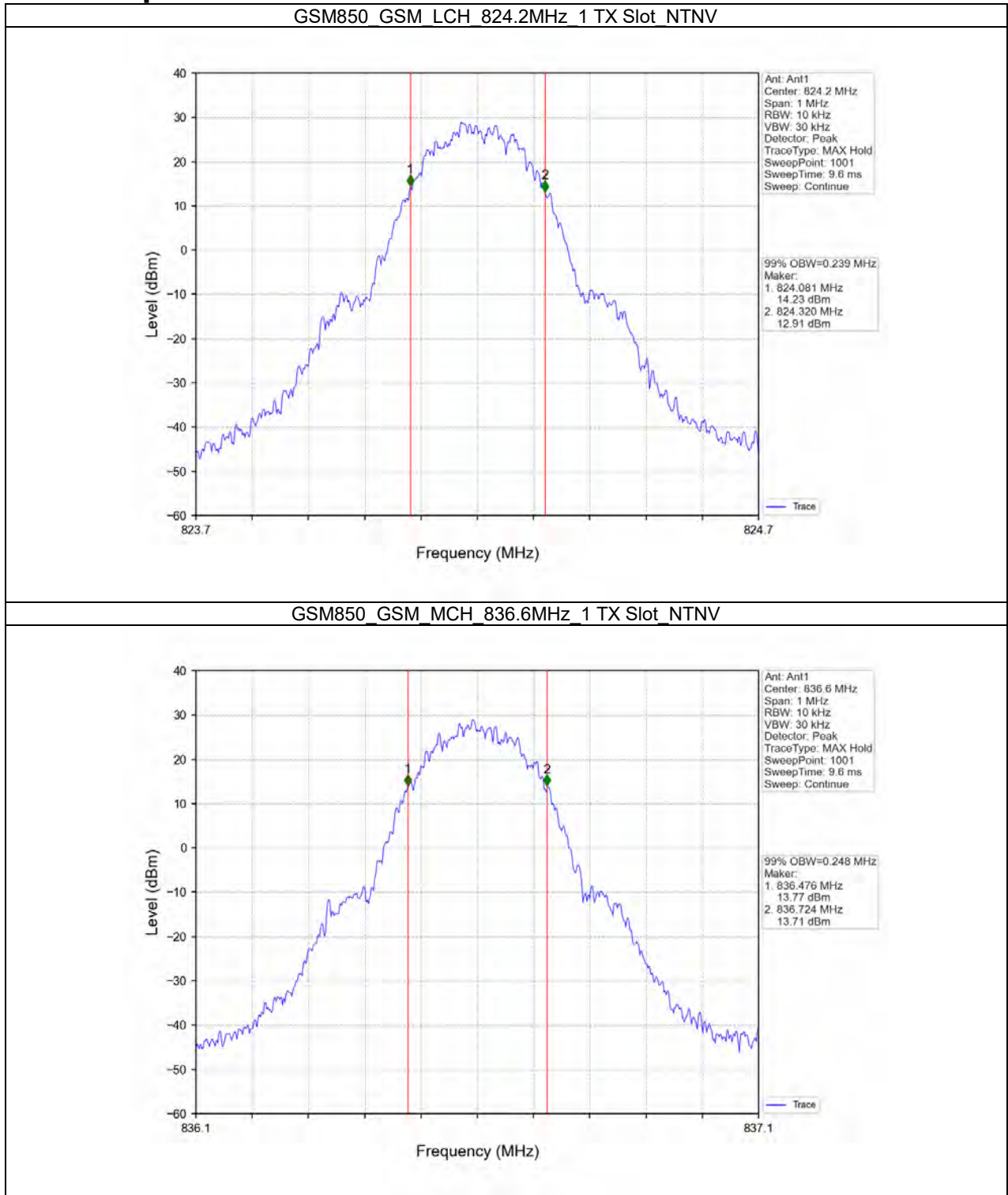


99% & 26dB Bandwidth 99%_OBW Test Result

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

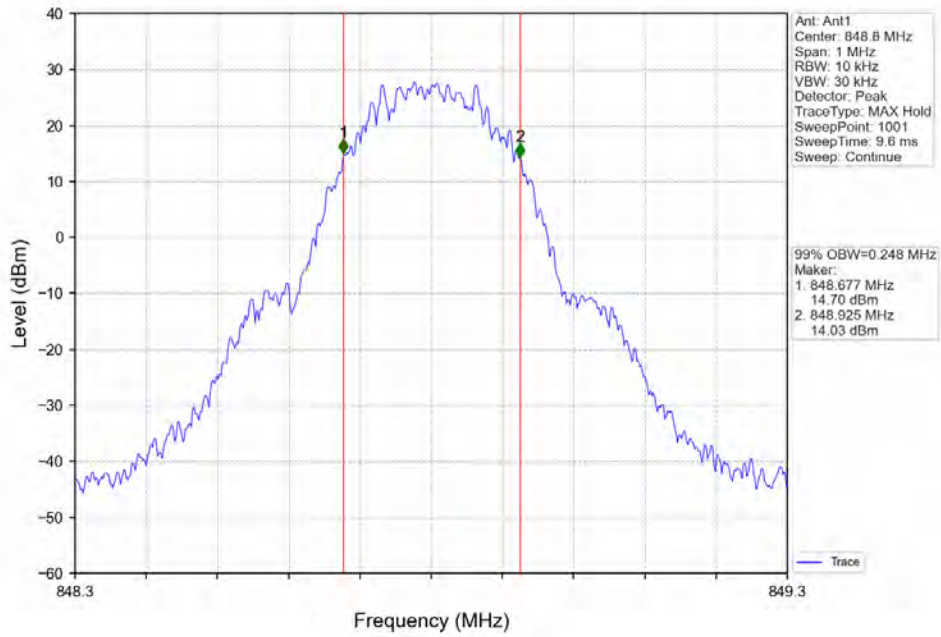




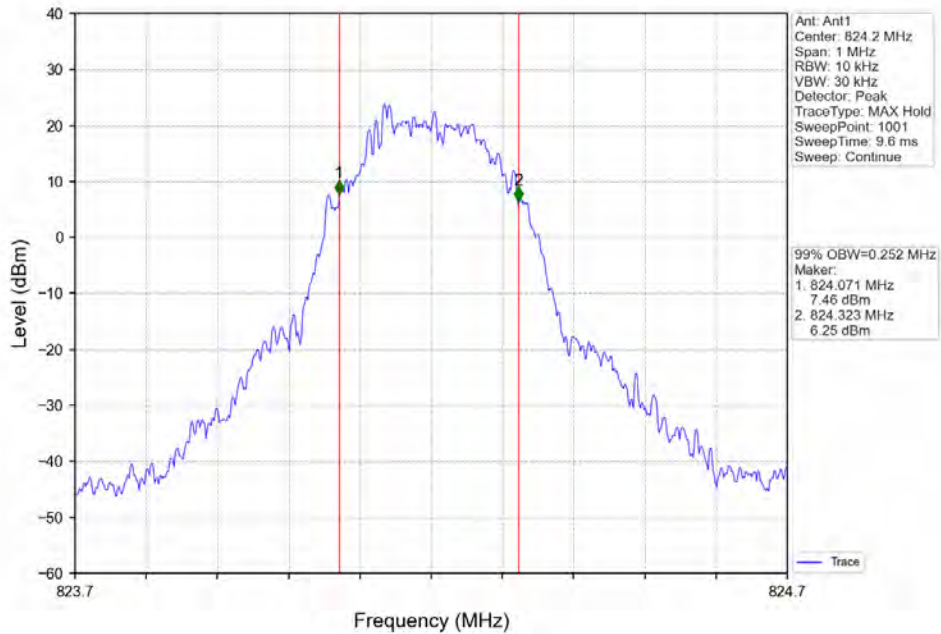
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Test Report No.: W7L-P21100018-2RF04

GSM850 GSM_HCH 848.8MHz 1 TX Slot_NTNV



GSM850 EGSM_LCH 824.2MHz 1 TX Slot_NTNV

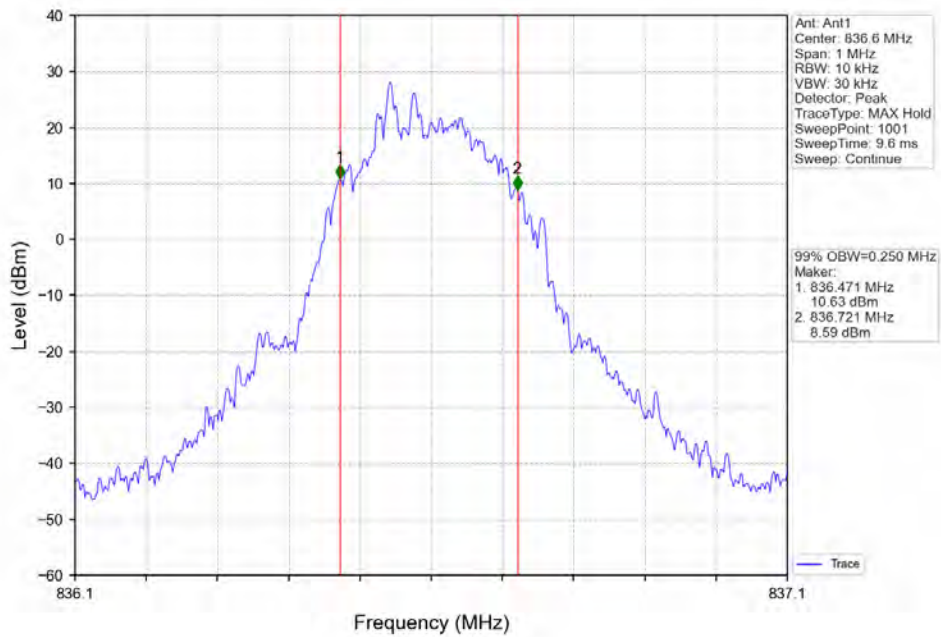




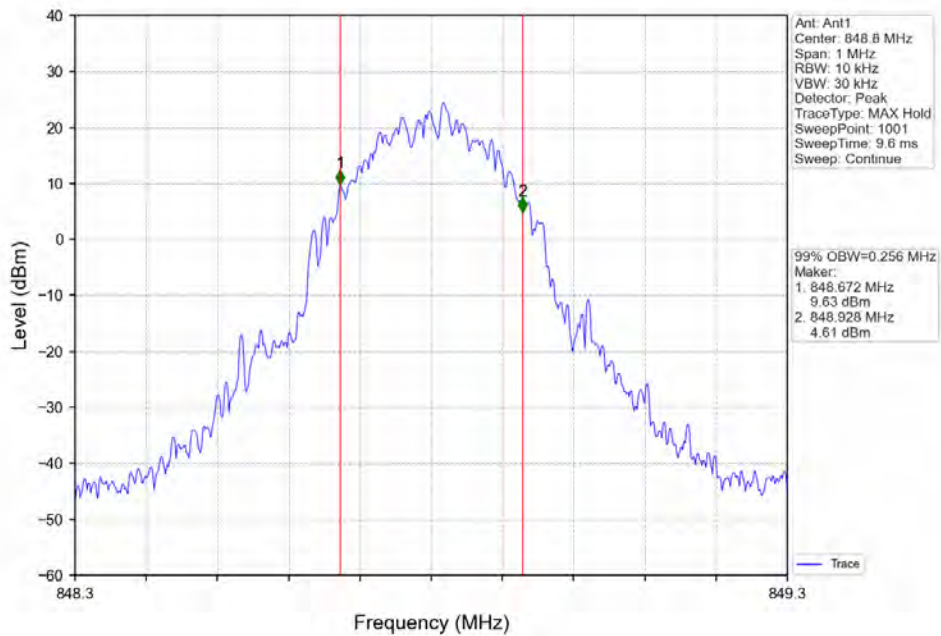
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VERITAS

Test Report No.: W7L-P21100018-2RF04

GSM850_EGSM_MCH_836.6MHz_1_TX_Slot_NTNV



GSM850_EGSM_HCH_848.8MHz_1_TX_Slot_NTNV



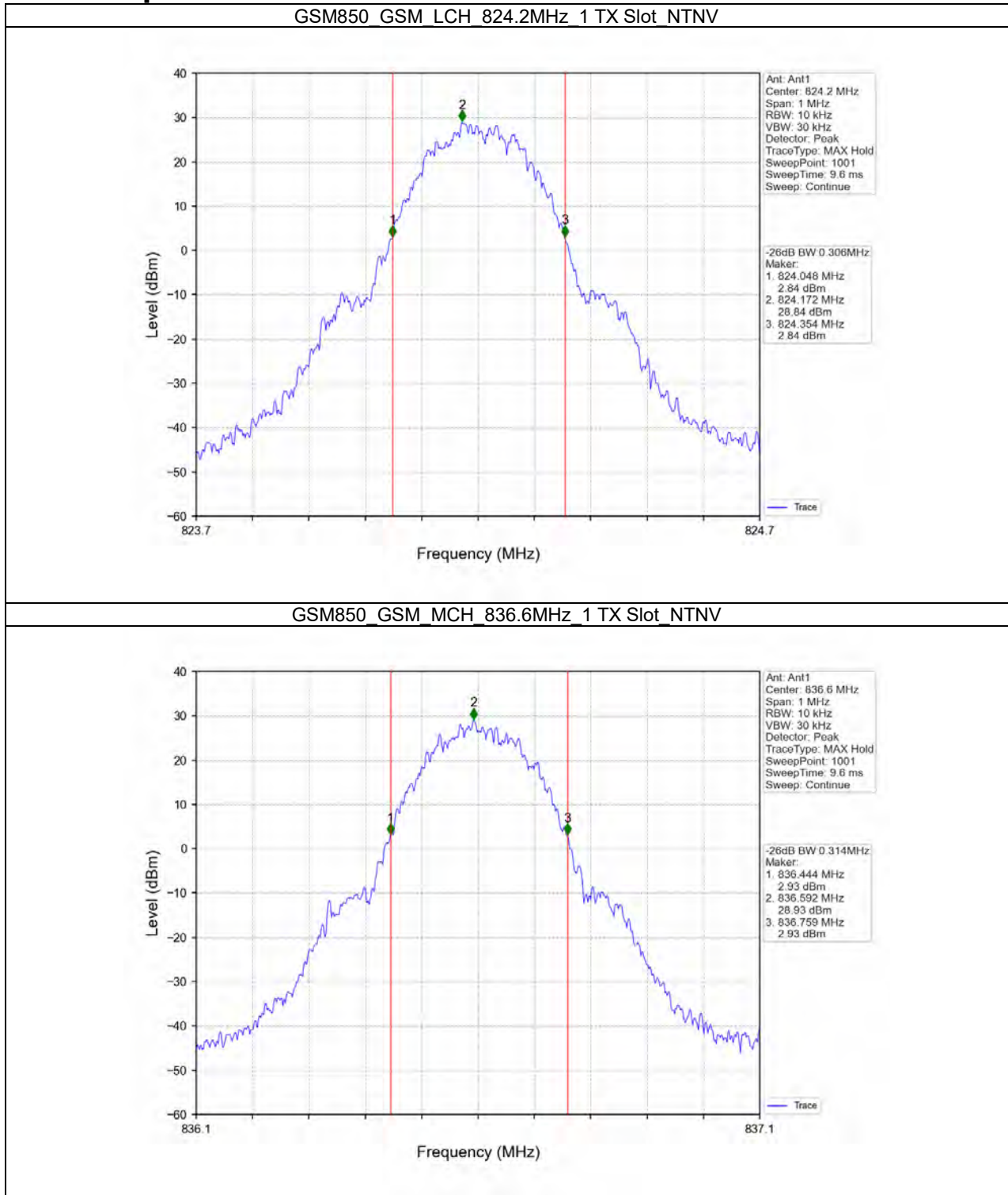


26DB_OBW Test Result

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

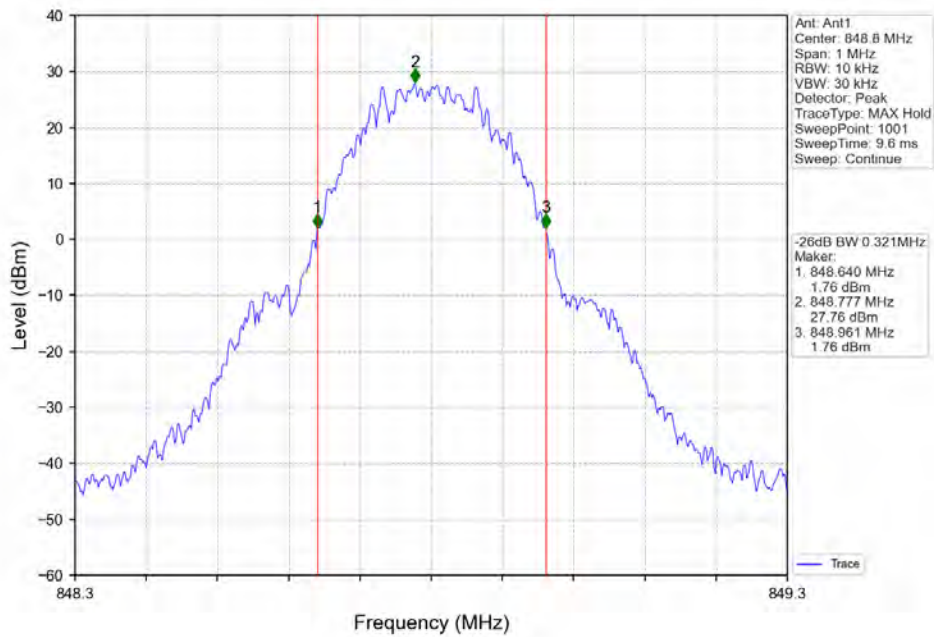




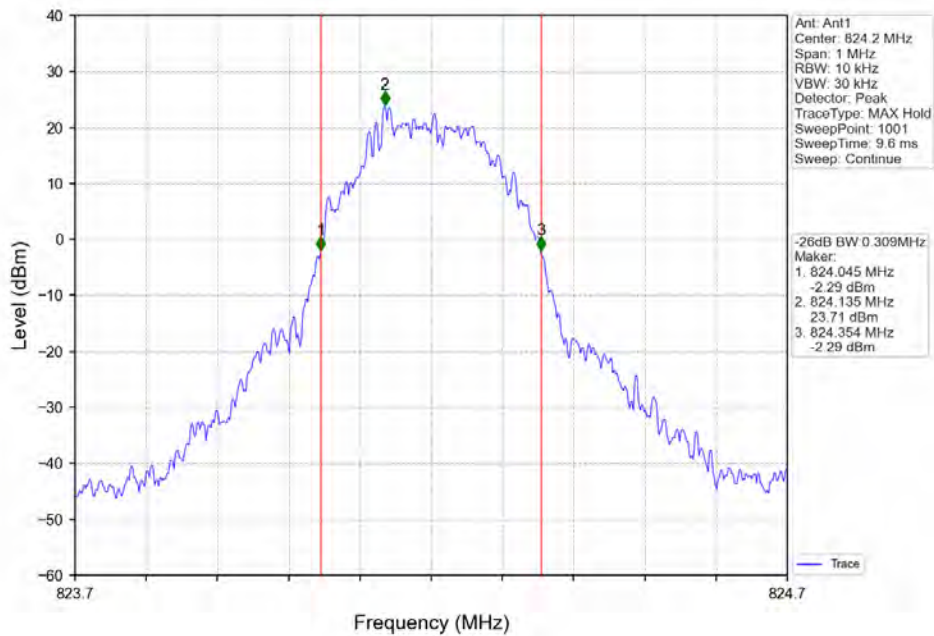
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VERITAS

Test Report No.: W7L-P21100018-2RF04

GSM850_GSM_HCH_848.8MHz_1 TX Slot_NTNV



GSM850_EGSM_LCH_824.2MHz_1 TX Slot_NTNV

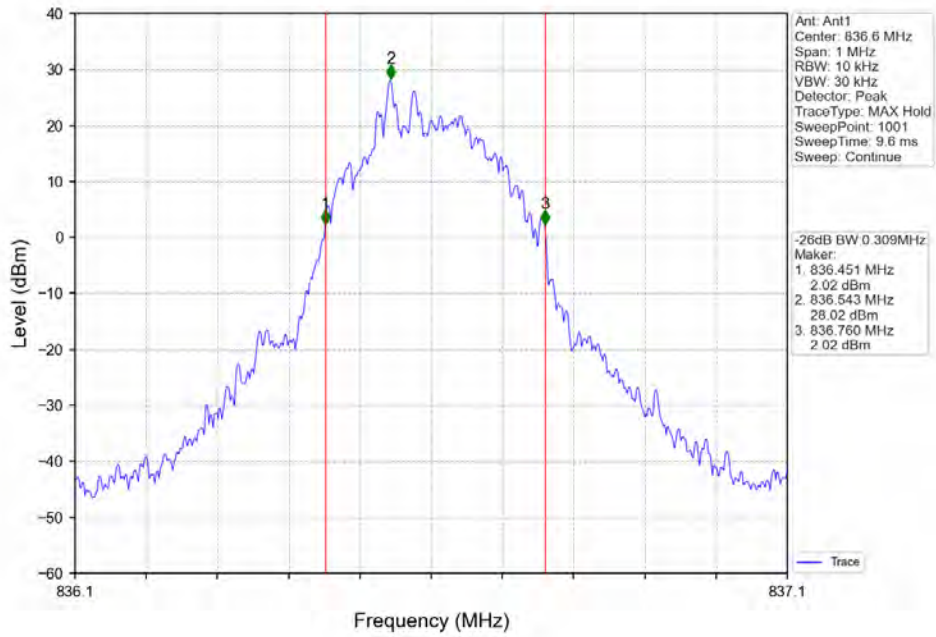




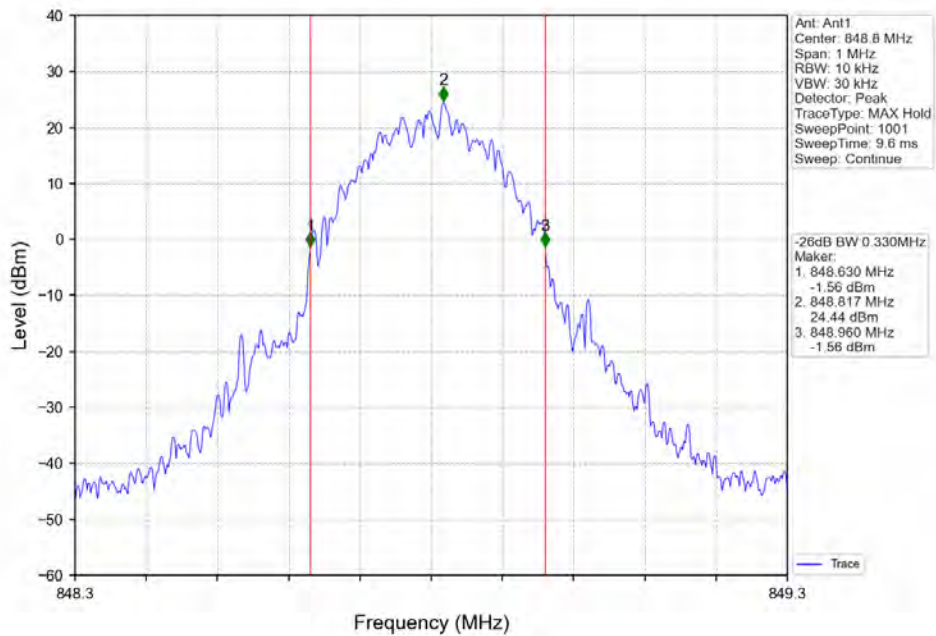
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Test Report No.: W7L-P21100018-2RF04

GSM850_EGSM_MCH_836.6MHz_1_TX_Slot_NTNV



GSM850_EGSM_HCH_848.8MHz_1_TX_Slot_NTNV



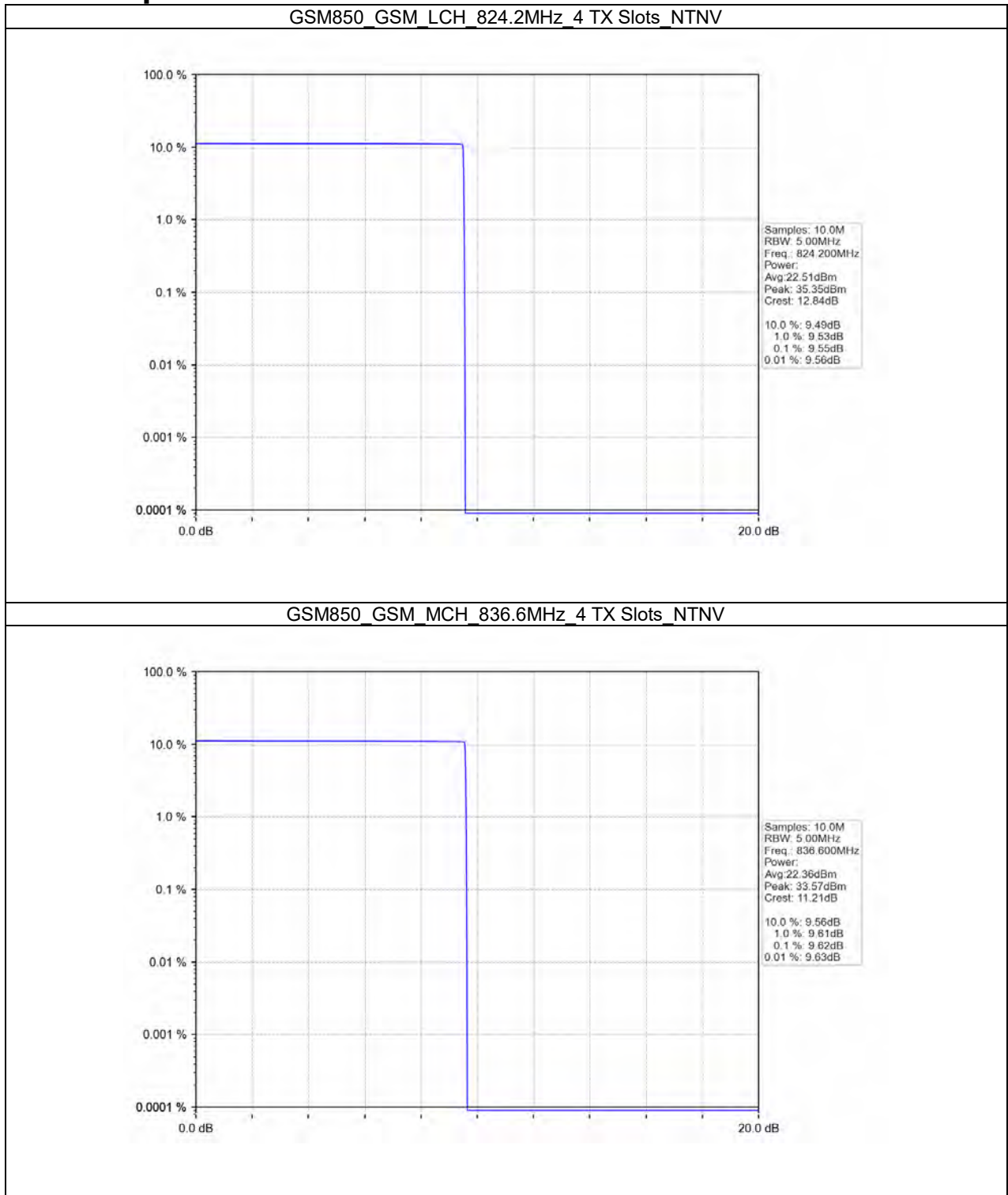


Peak-Average Ratio Test Result

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

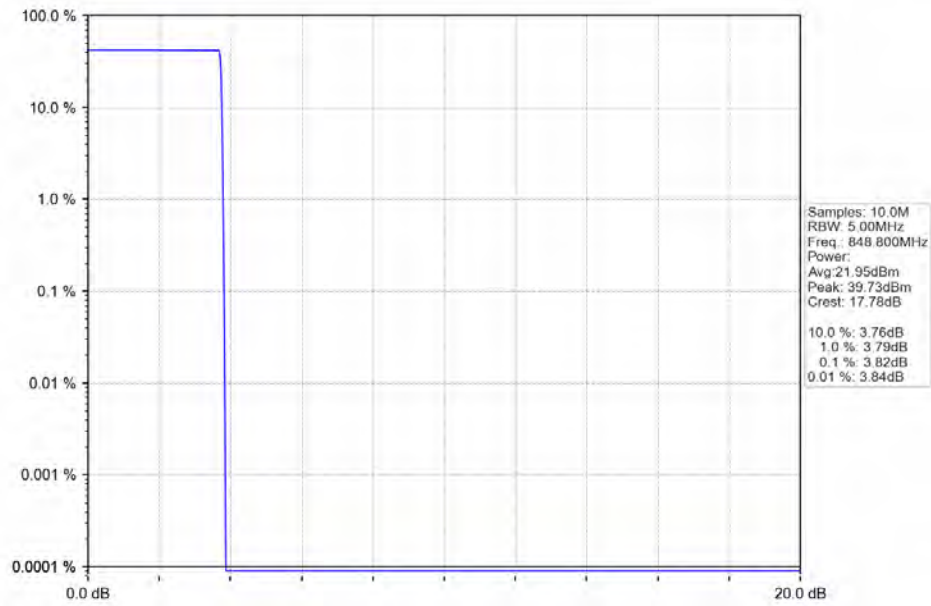


Test Graph

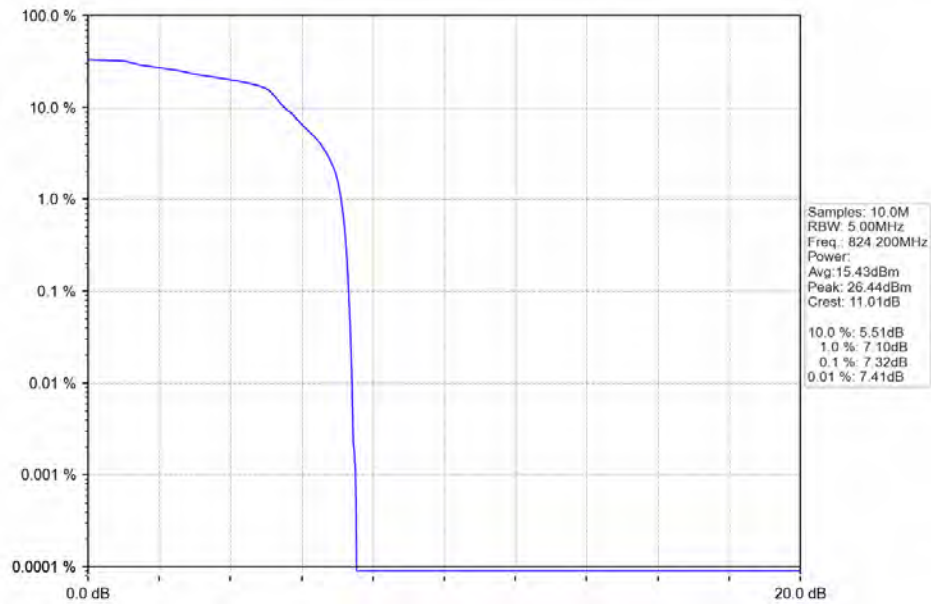




GSM850 GSM HCH 848.8MHz 4 TX Slots NTN



GSM850 EGSM LCH 824.2MHz 4 TX Slots NTN

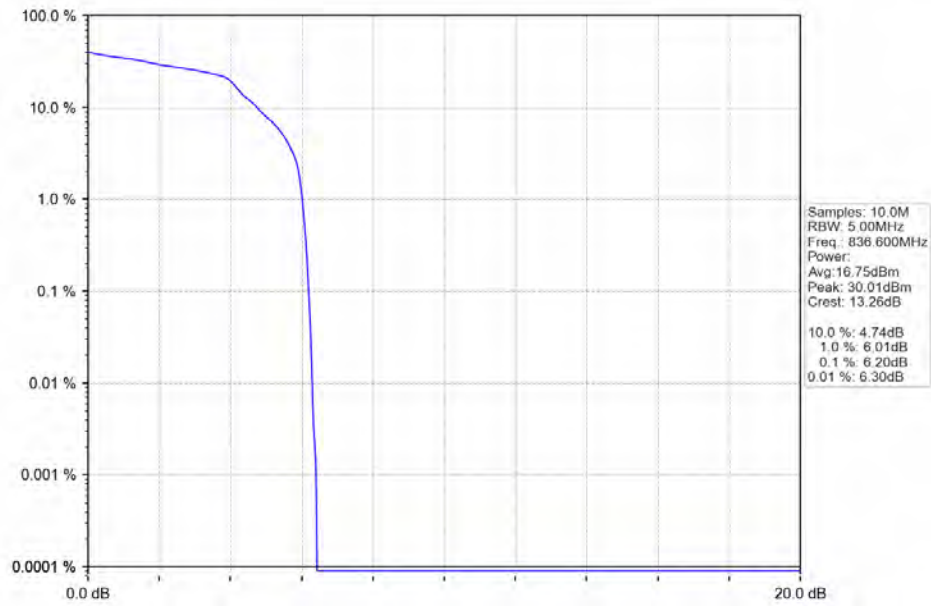




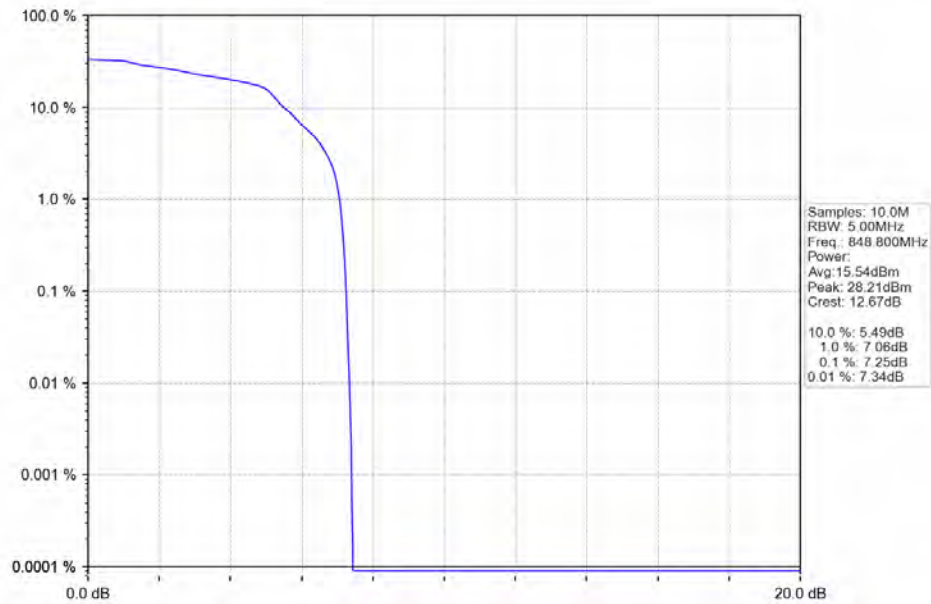
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VERITAS

Test Report No.: W7L-P21100018-2RF04

GSM850_EGSM_MCH_836.6MHz_4_TX_Slots_NTNV



GSM850_EGSM_HCH_848.8MHz_4_TX_Slots_NTNV



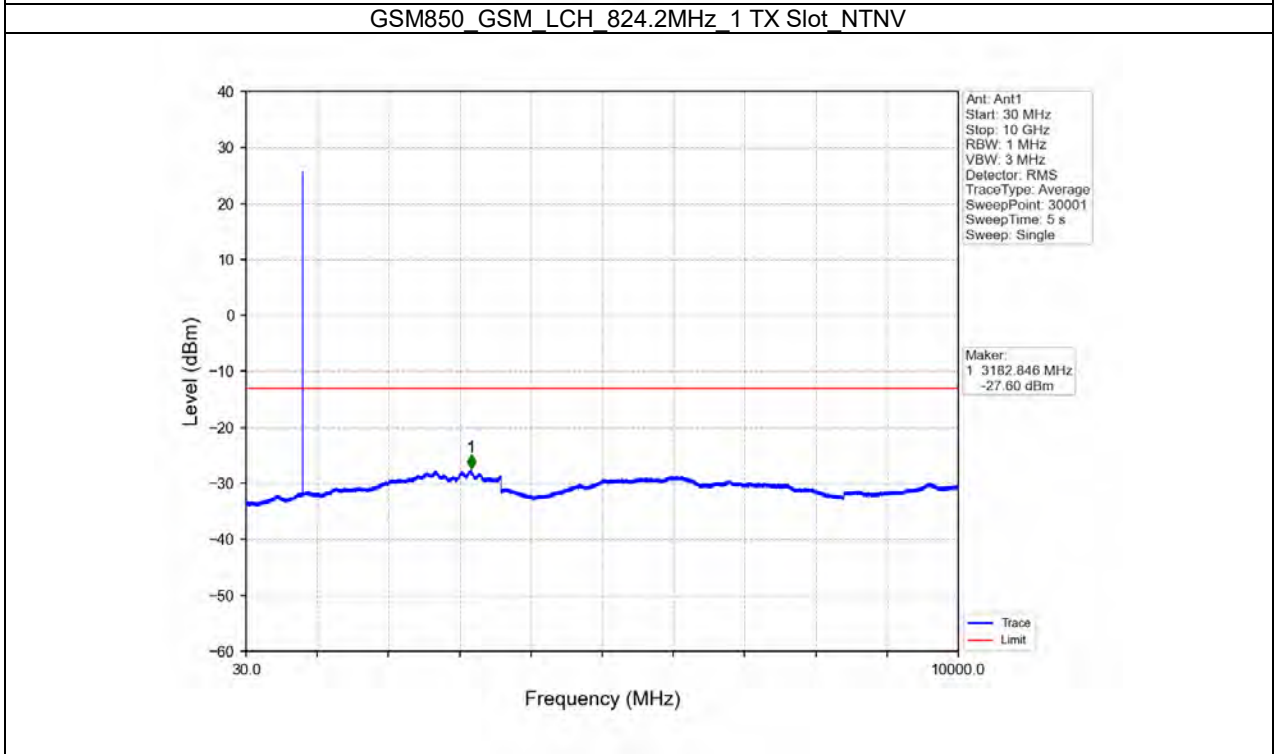
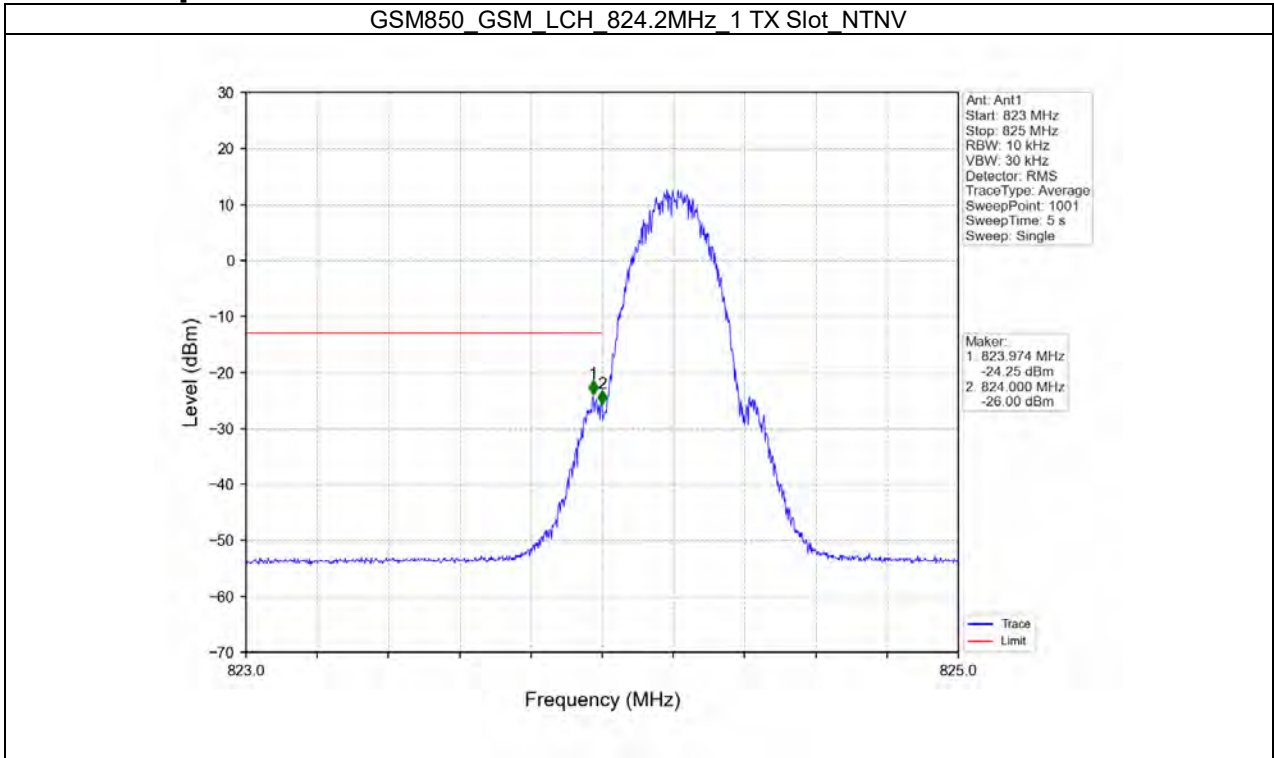


Spurious Emission Test Result

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

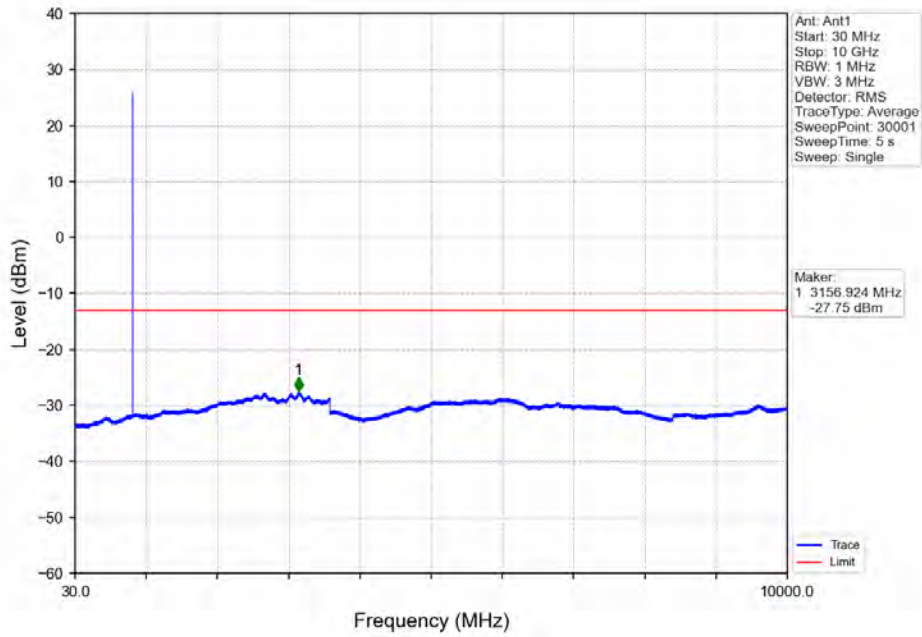




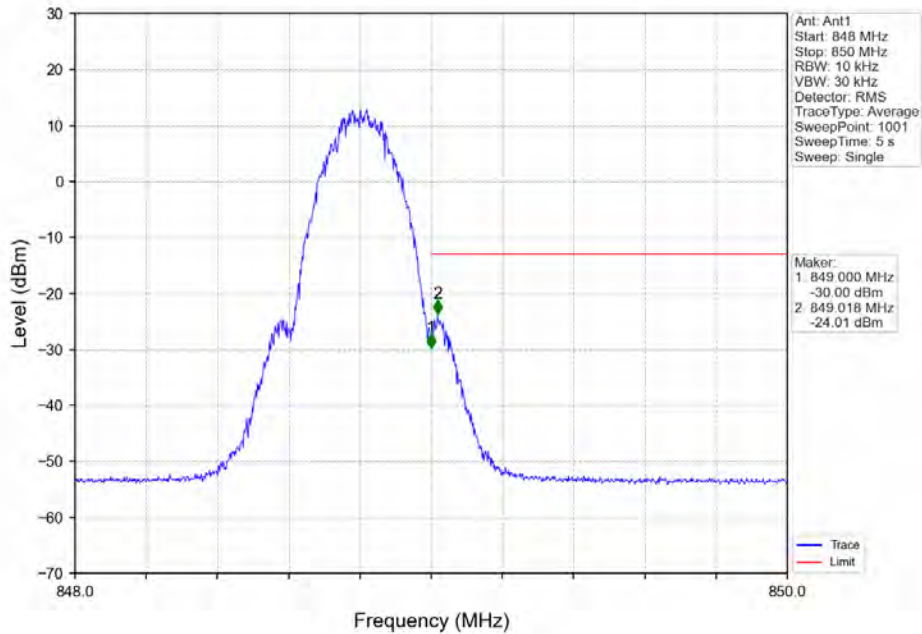
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Test Report No.: W7L-P21100018-2RF04

GSM850 GSM MCH 836.6MHz 1 TX Slot NTN



GSM850 GSM HCH 848.8MHz 1 TX Slot NTN

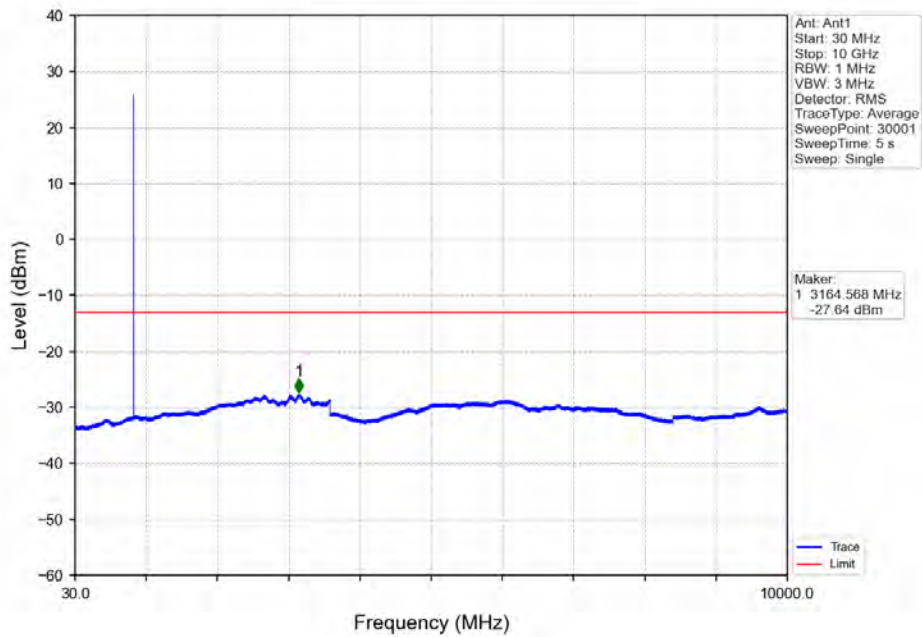




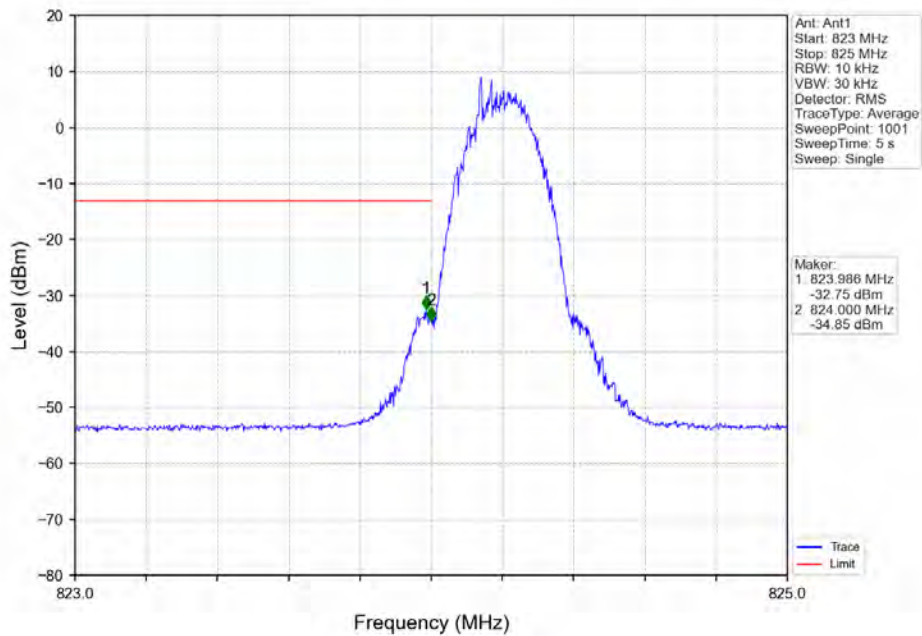
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VERITAS

Test Report No.: W7L-P21100018-2RF04

GSM850_GSM_HCH_848.8MHz_1 TX Slot_NTNV



GSM850_EGSM_LCH_824.2MHz_1 TX Slot_NTNV

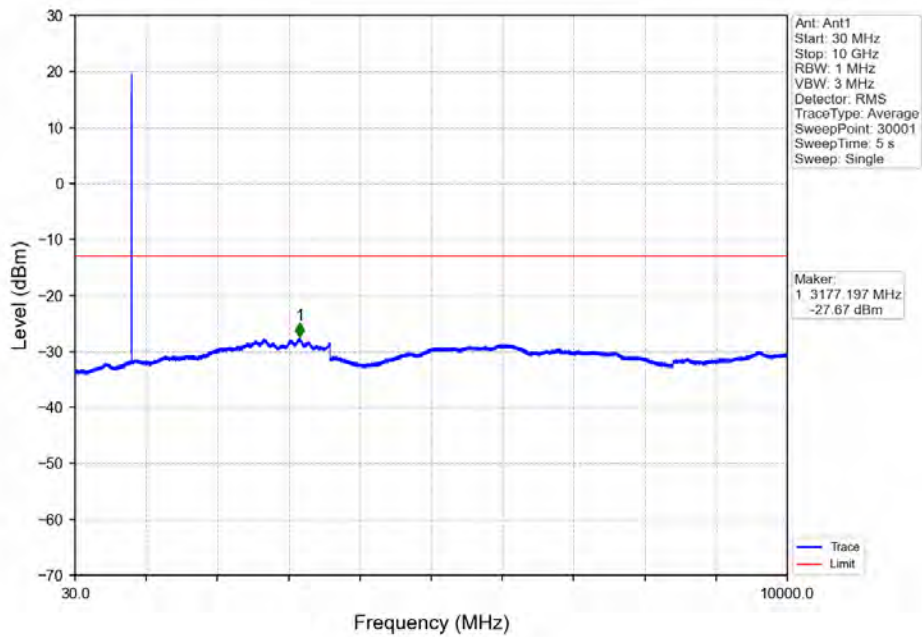




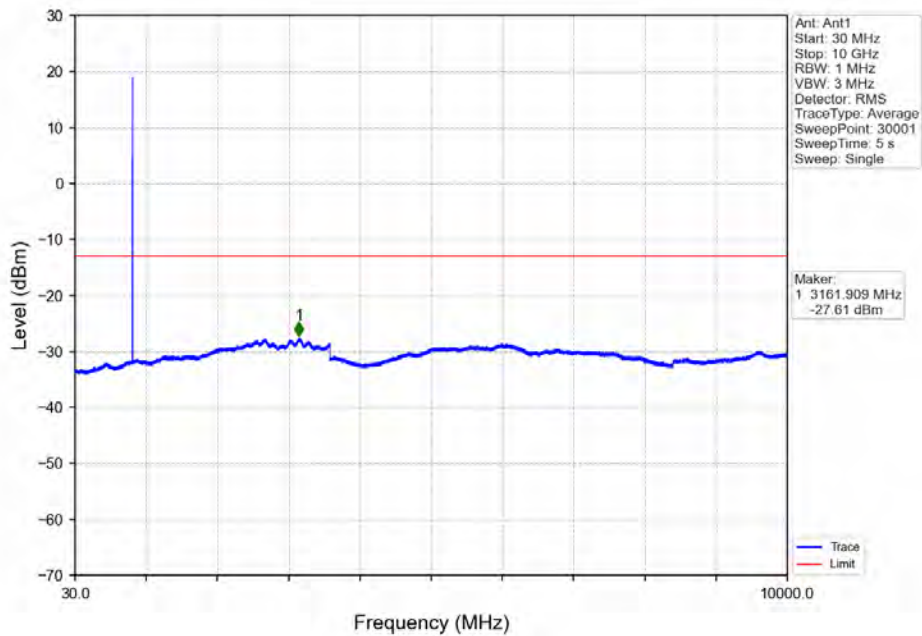
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VERITAS

Test Report No.: W7L-P21100018-2RF04

GSM850_EGSM_LCH_824.2MHz_1 TX Slot_NTNV



GSM850_EGSM_MCH_836.6MHz_1 TX Slot_NTNV

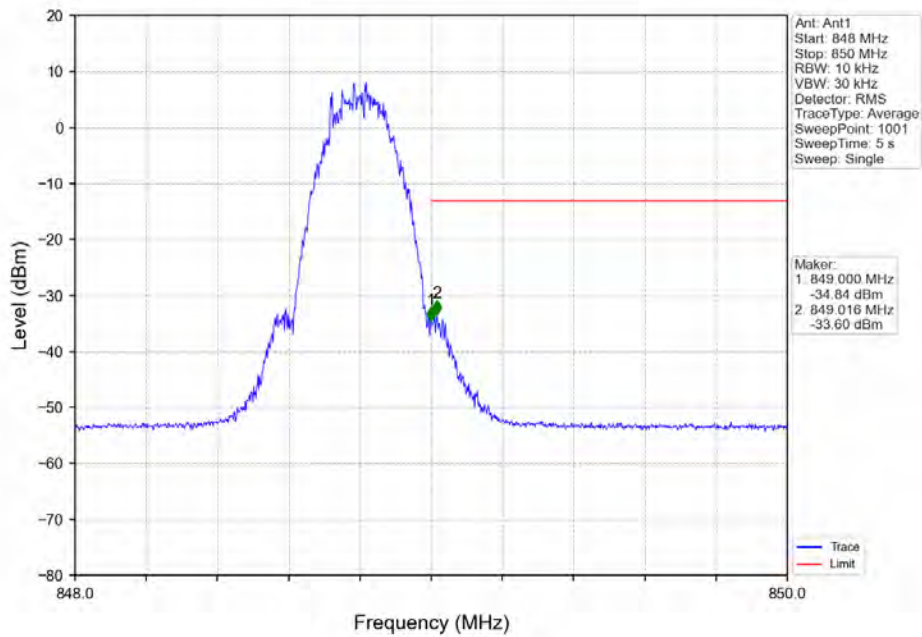




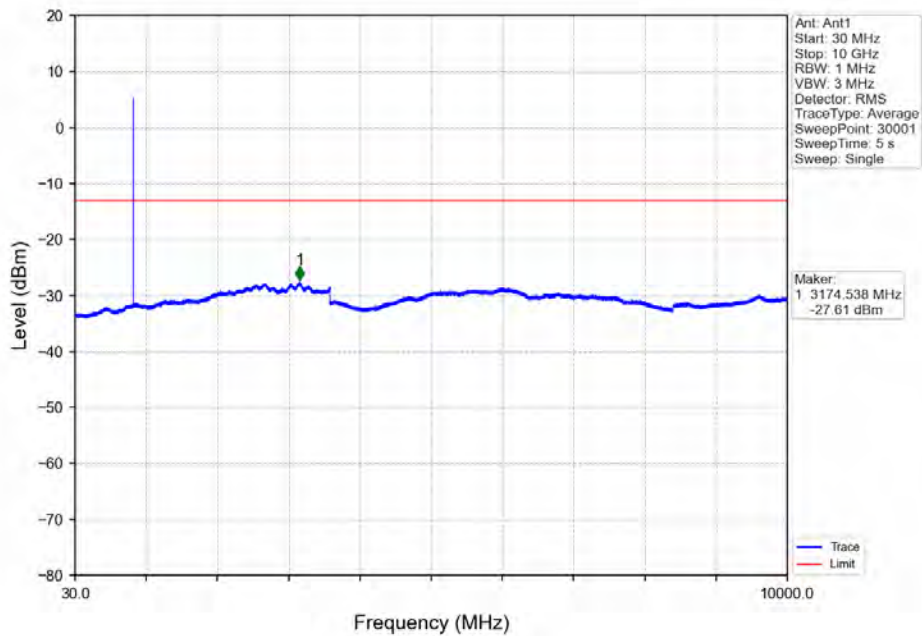
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VERITAS

Test Report No.: W7L-P21100018-2RF04

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
		0	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
		0	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		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		

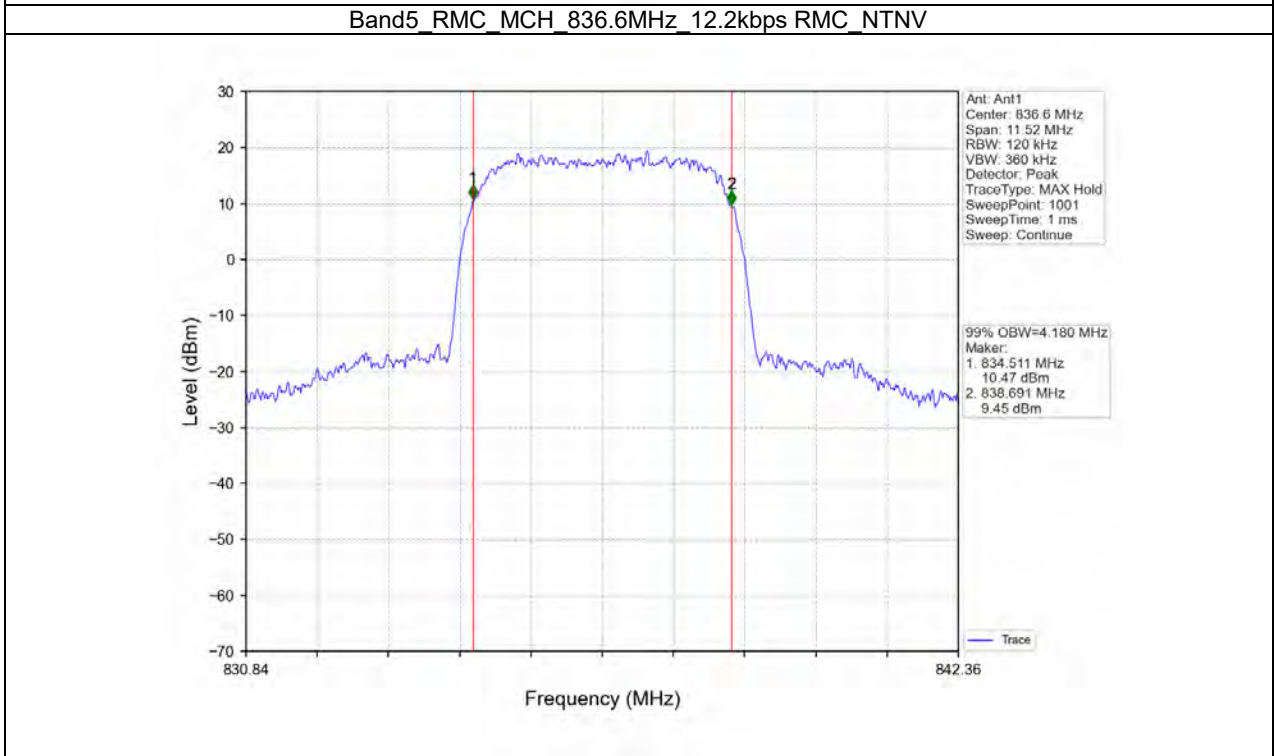
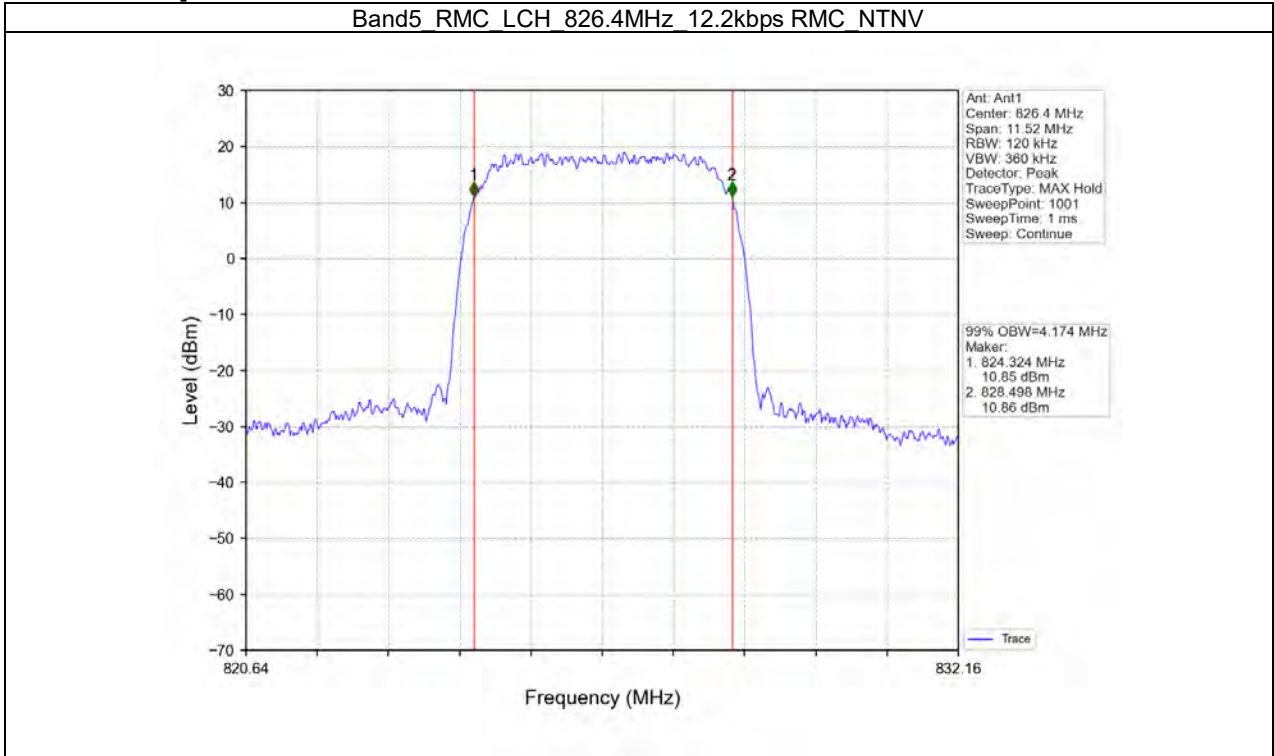


99% & 26dB Bandwidth 99% OBW Test Result

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



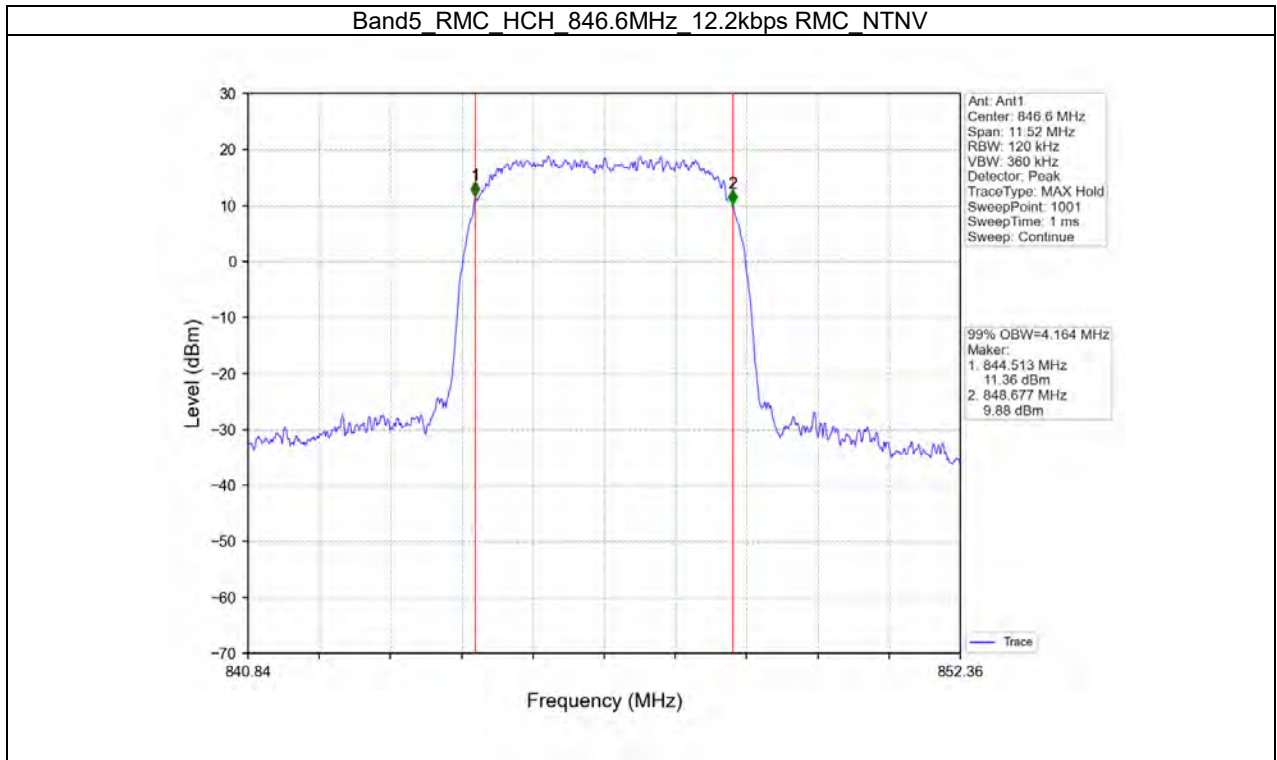
Test Graph





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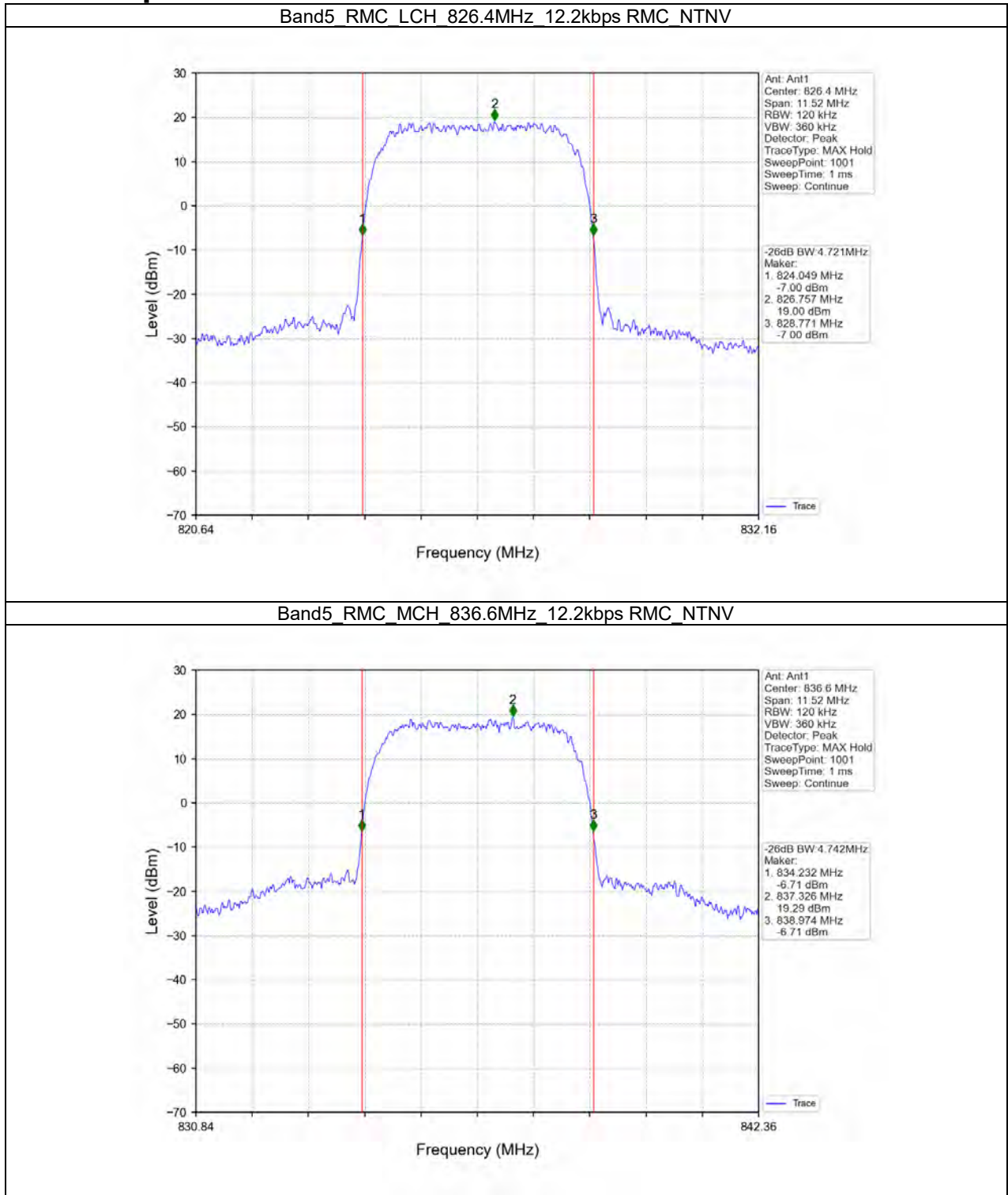


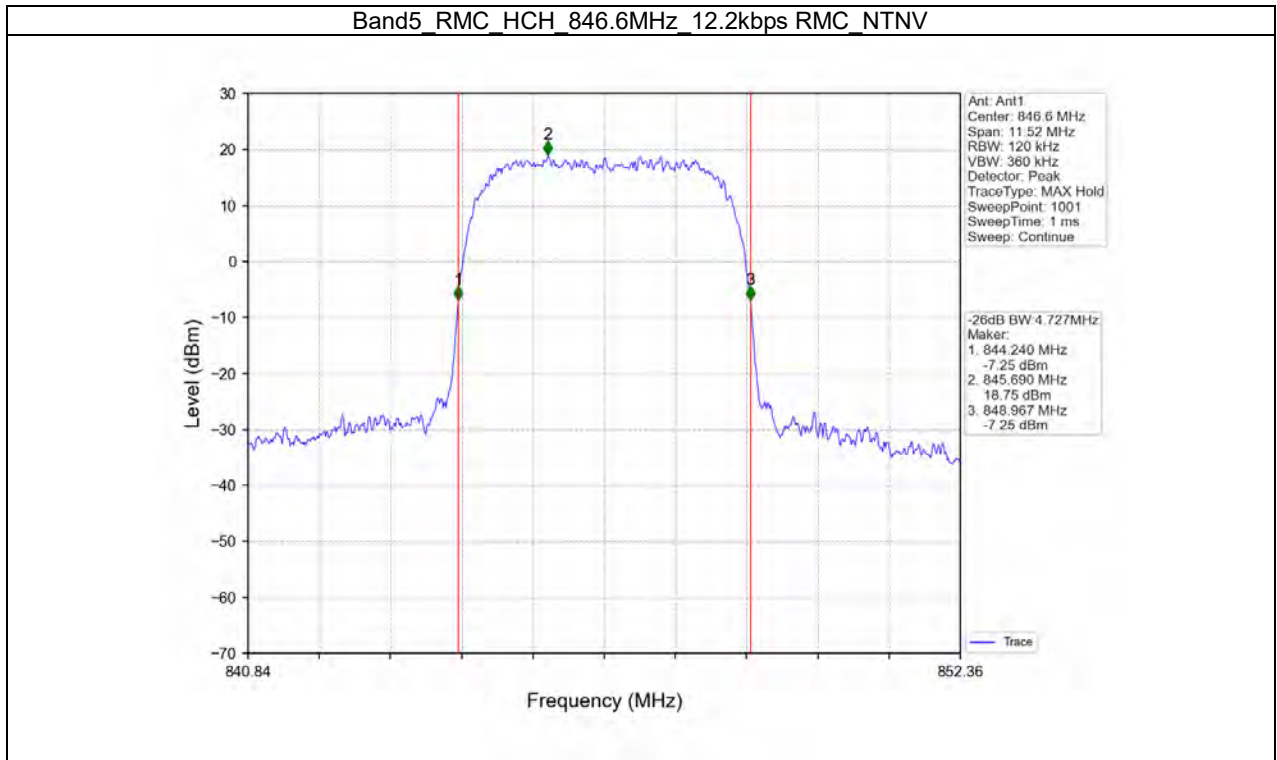
26DB_OBW Test Result

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





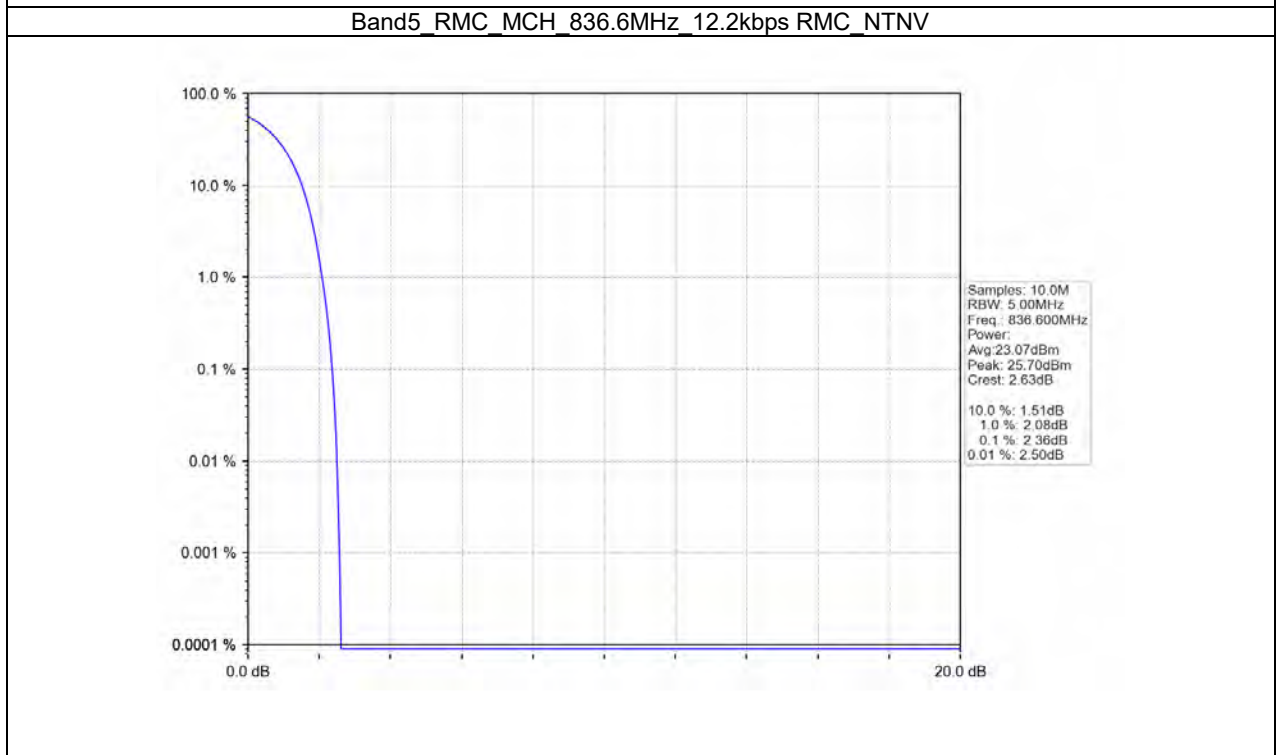
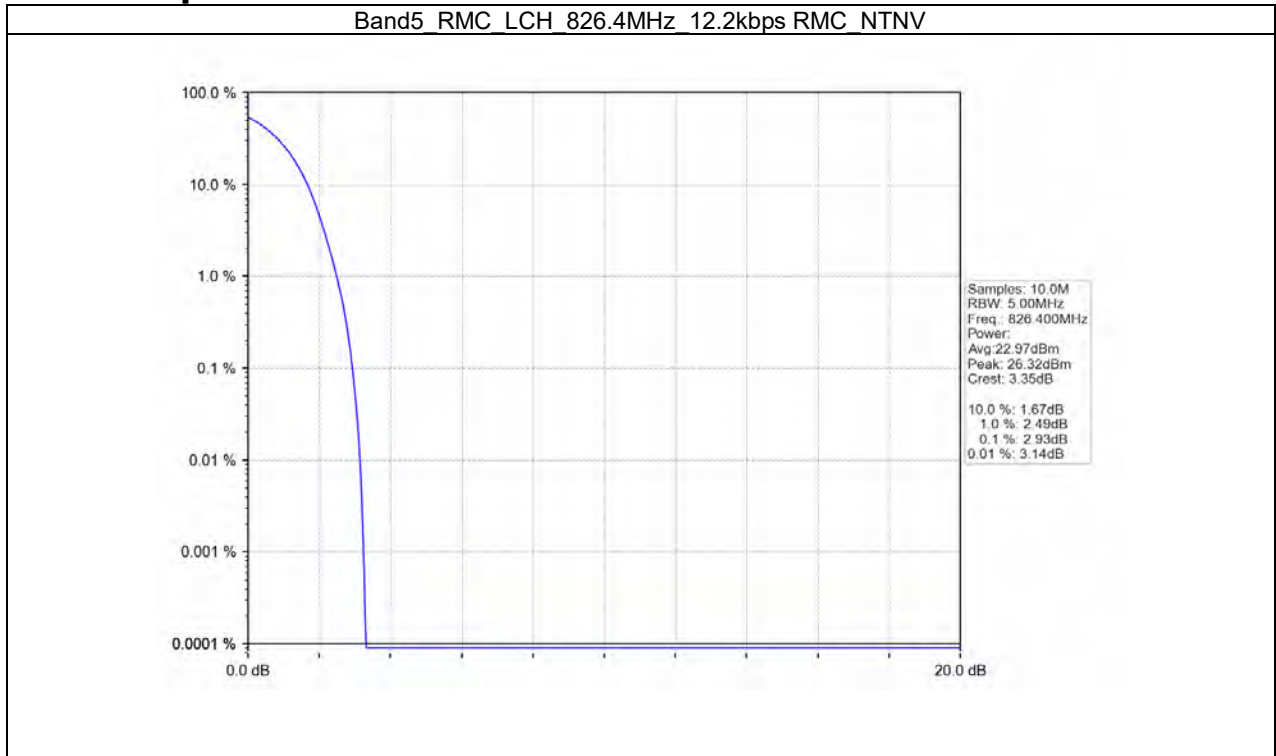


Peak-Average Ratio Test Result

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



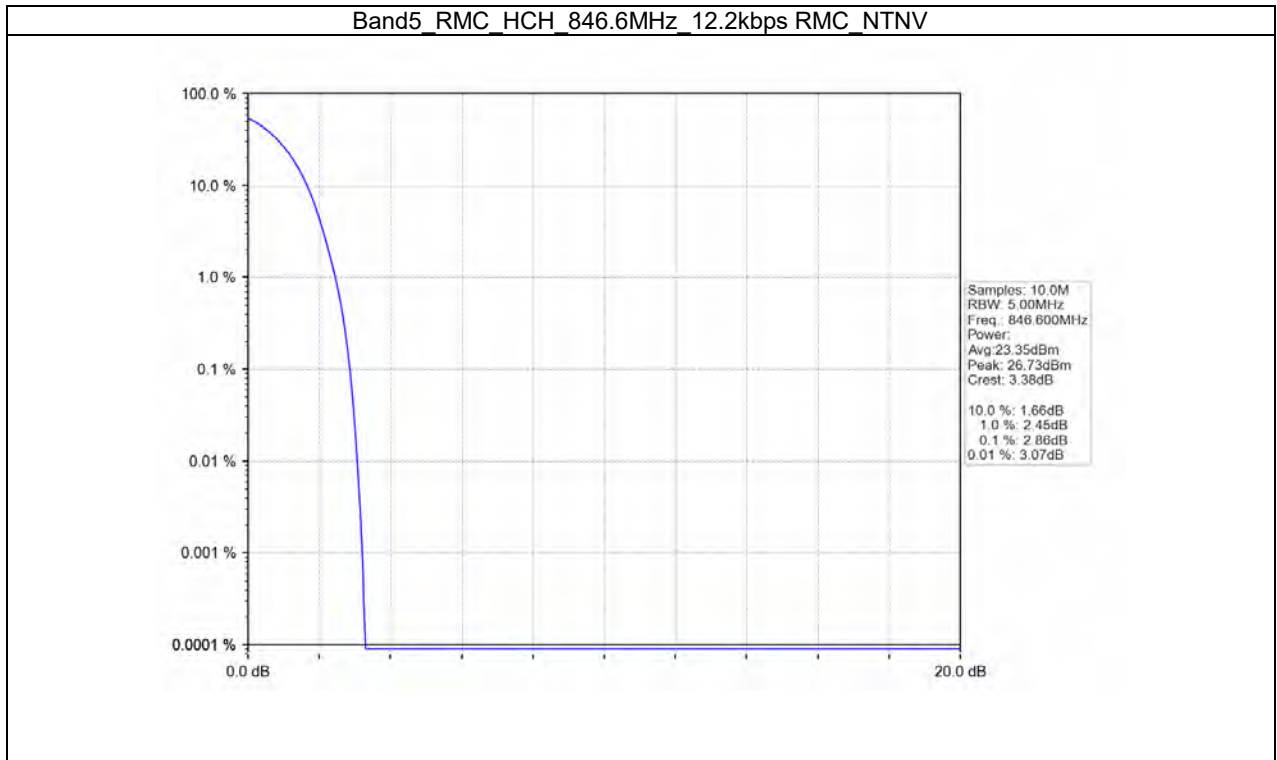
Test Graph





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Test Report No.: W7L-P21100018-2RF04



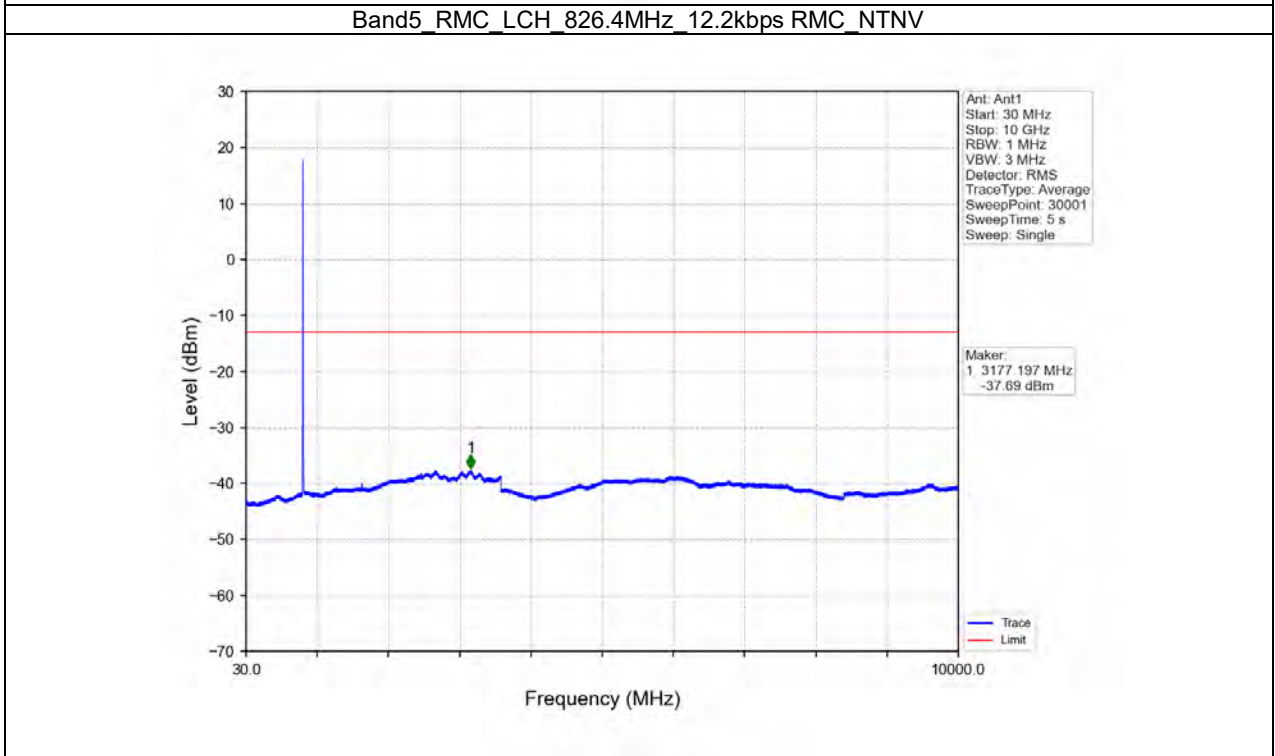
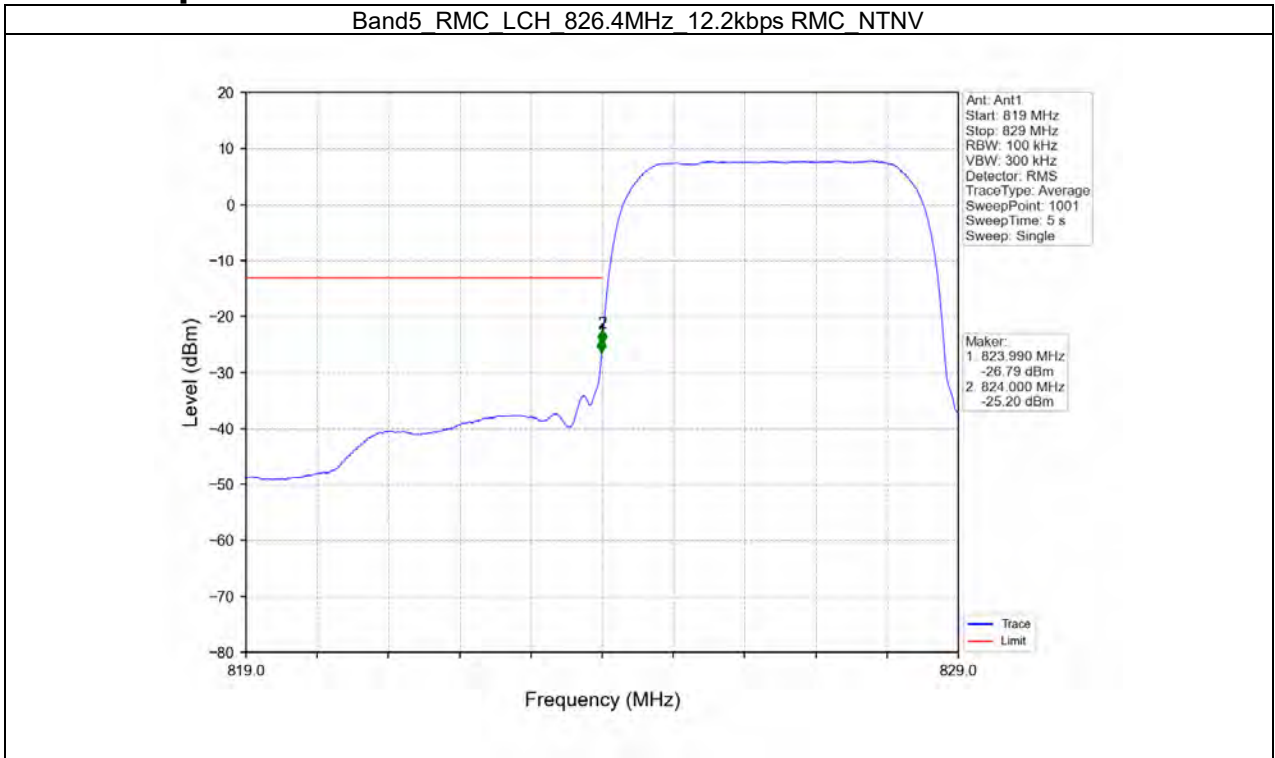


Spurious Emission Test Result

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

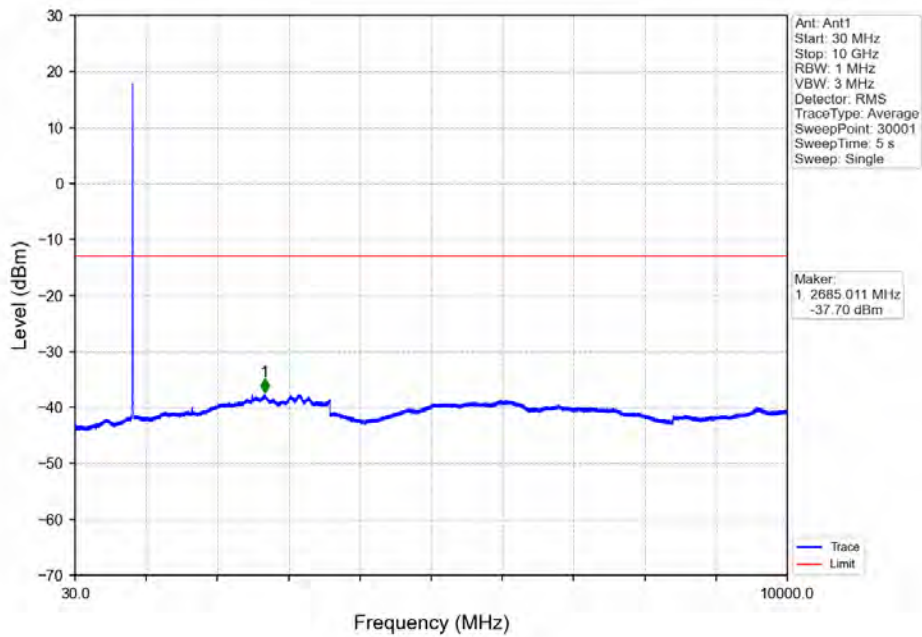




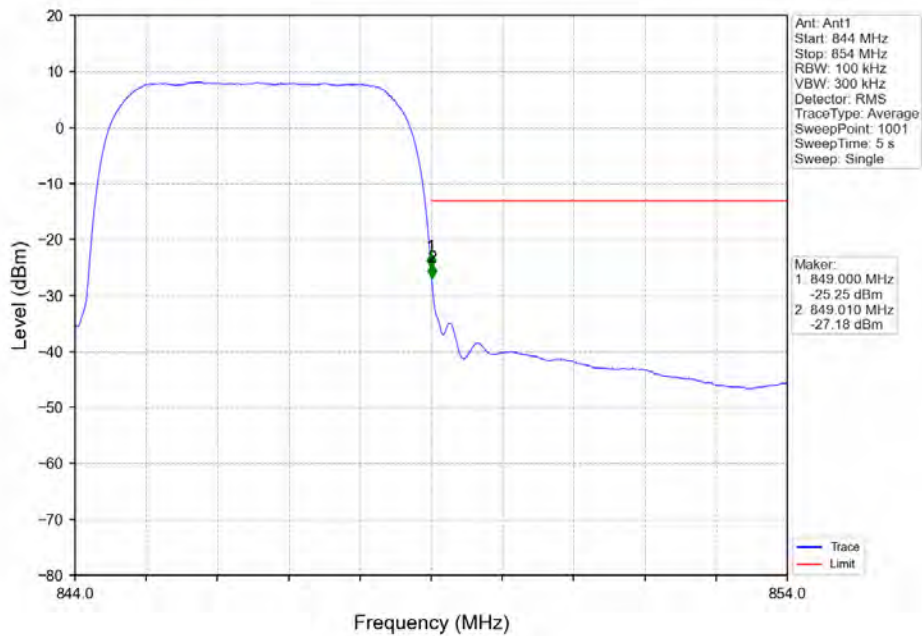
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VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5_RMC_MCH_836.6MHz_12.2kbps_RMC_NTNV



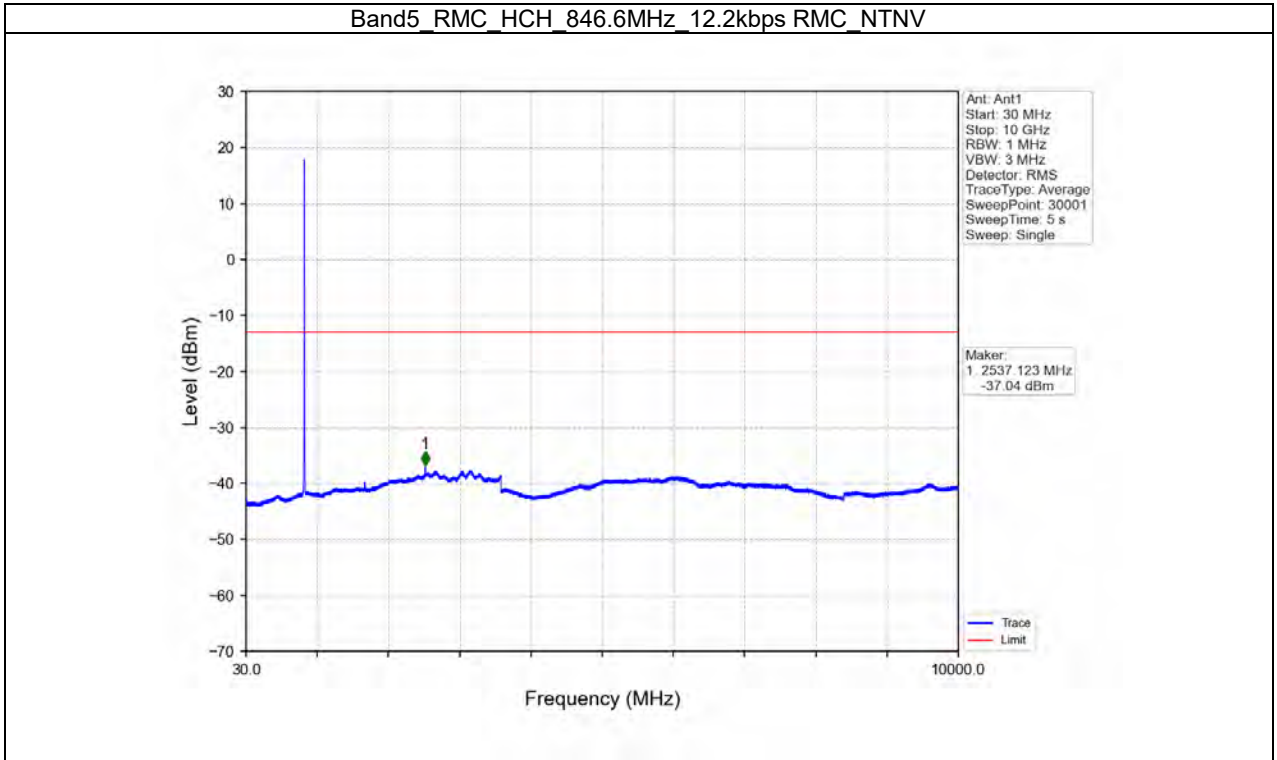
Band5_RMC_HCH_846.6MHz_12.2kbps_RMC_NTNV





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Test Report No.: W7L-P21100018-2RF04





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
				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
				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
				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		
50	3.85	-43.79	-0.05	-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
				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
				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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	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			
						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								
64QAM	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			
						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			
						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
									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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					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
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				
16QAM	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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				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
	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
				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
				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
				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
				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
				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
				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	



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Test Report No.: W7L-P21100018-2RF04

				-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	
64QAM	826.5	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
				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				
	836.5	25	0	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
				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
				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					



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VERITAS**

Test Report No.: W7L-P21100018-2RF04

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
						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
						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
						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
						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
						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	



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Test Report No.: W7L-P21100018-2RF04

				-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	
64QAM	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
						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	0	20	3.27	23.09	0.03
	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
			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	0				20	3.27	-14.26	-0.02
				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
						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		

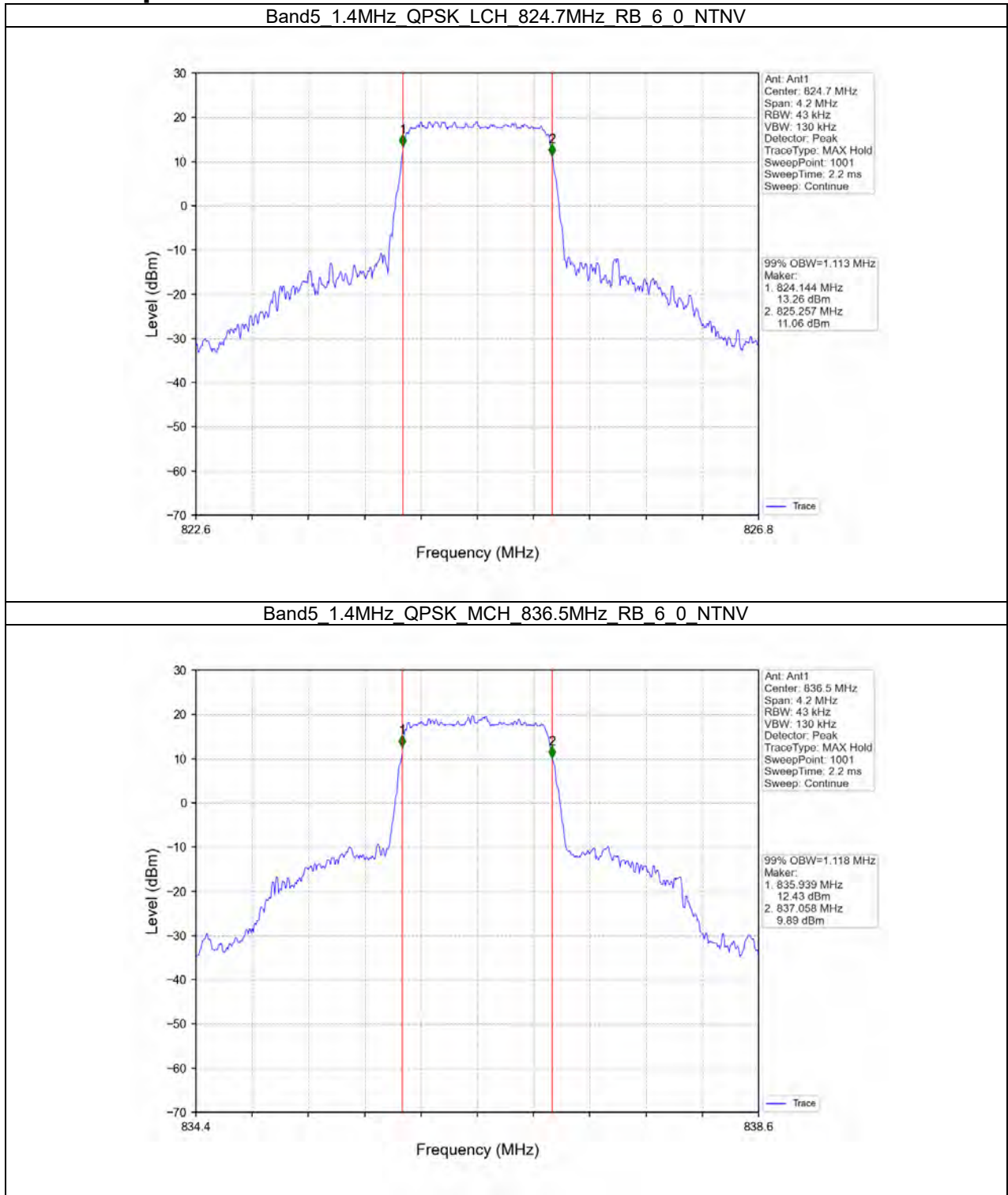


99% & 26dB Bandwidth 99%_OBW Test Result

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

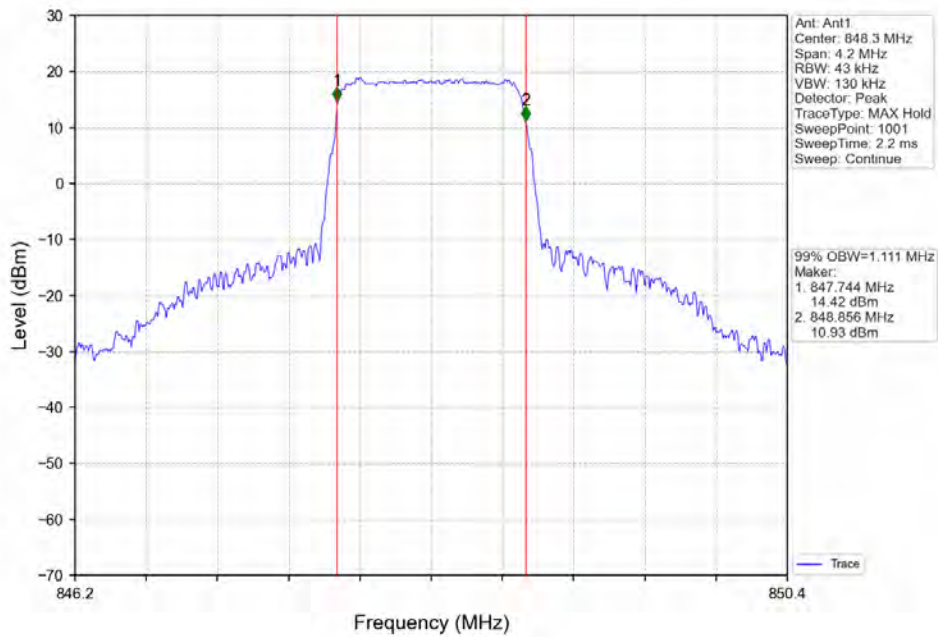




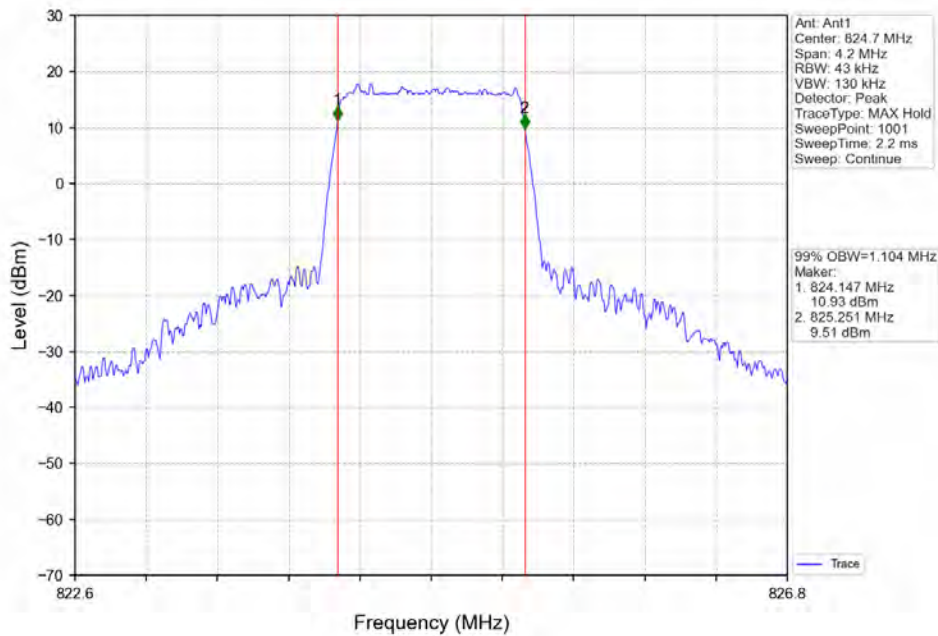
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VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



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

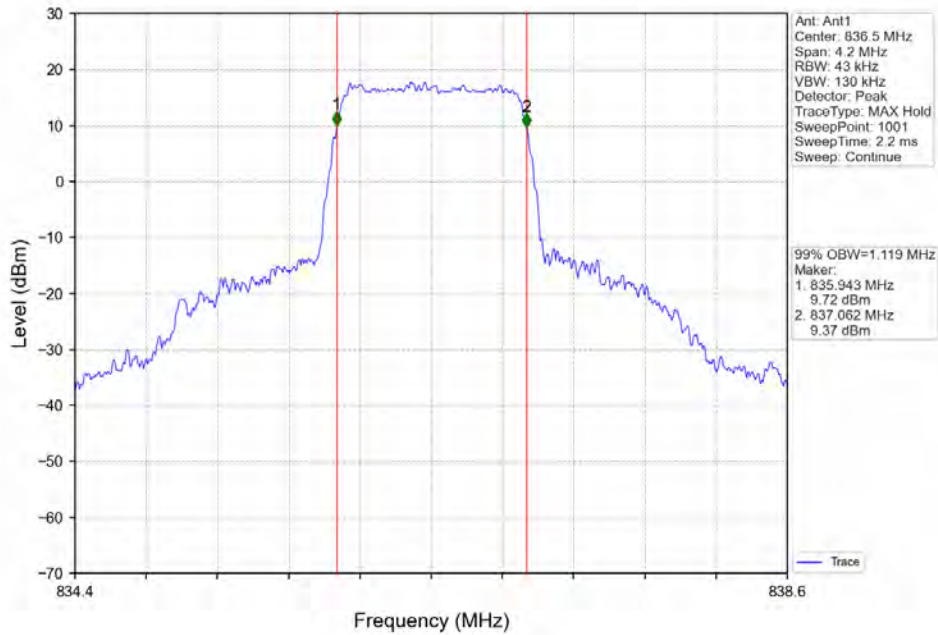




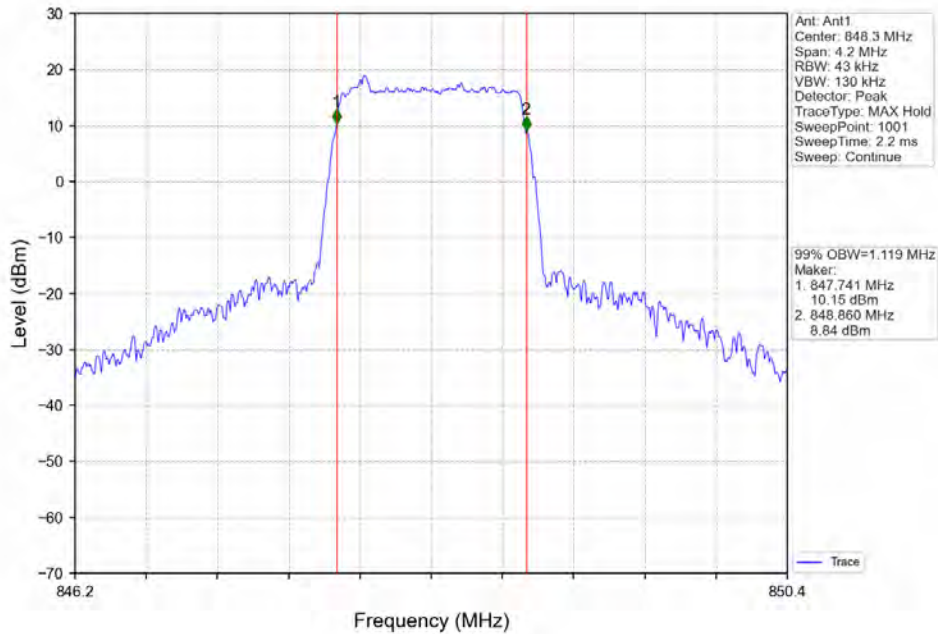
BUREAU VERITAS

Test Report No.: W7L-P21100018-2RF04

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



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

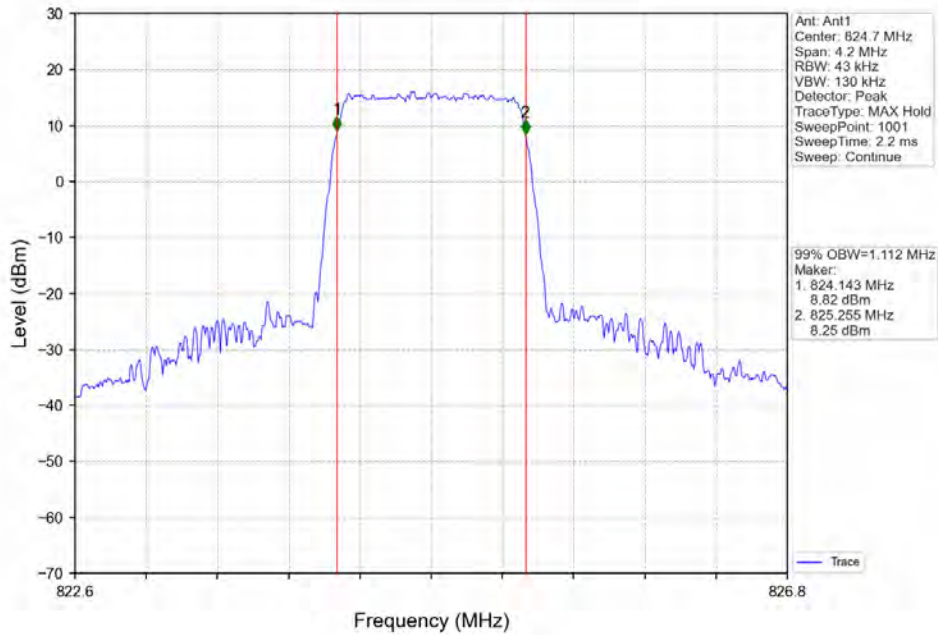




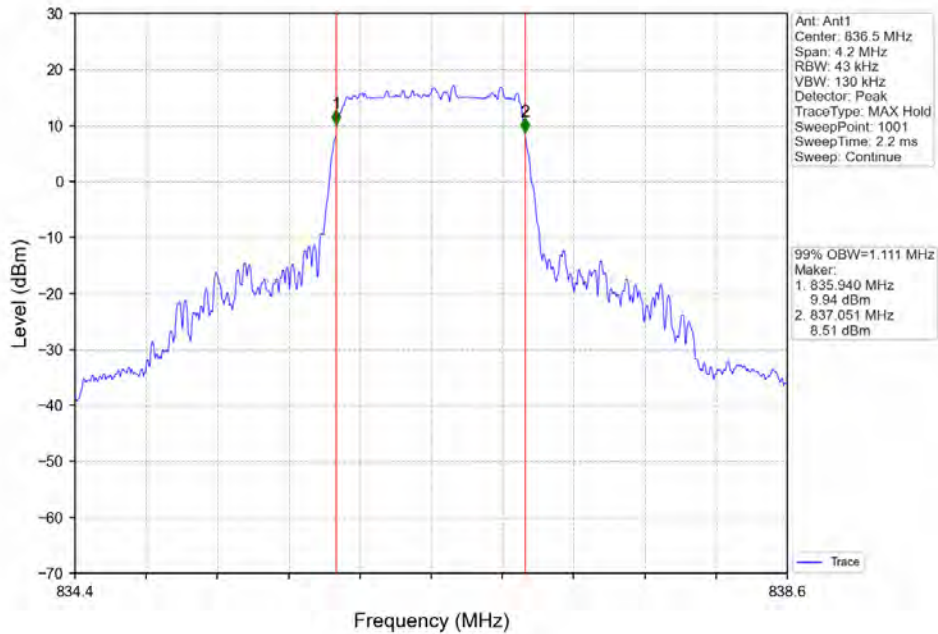
BUREAU VERITAS

Test Report No.: W7L-P21100018-2RF04

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



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

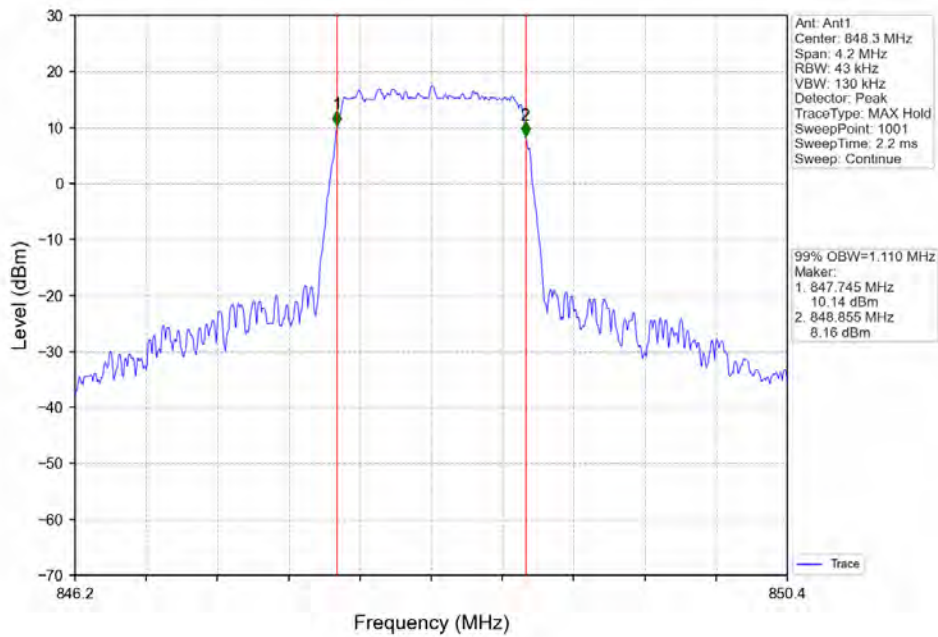




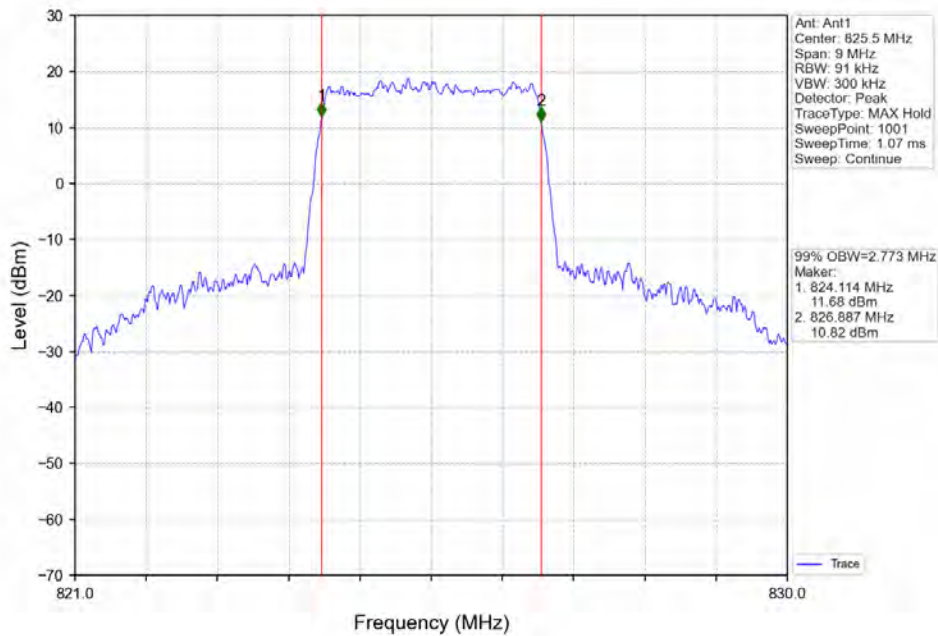
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VERITAS

Test Report No.: W7L-P21100018-2RF04

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



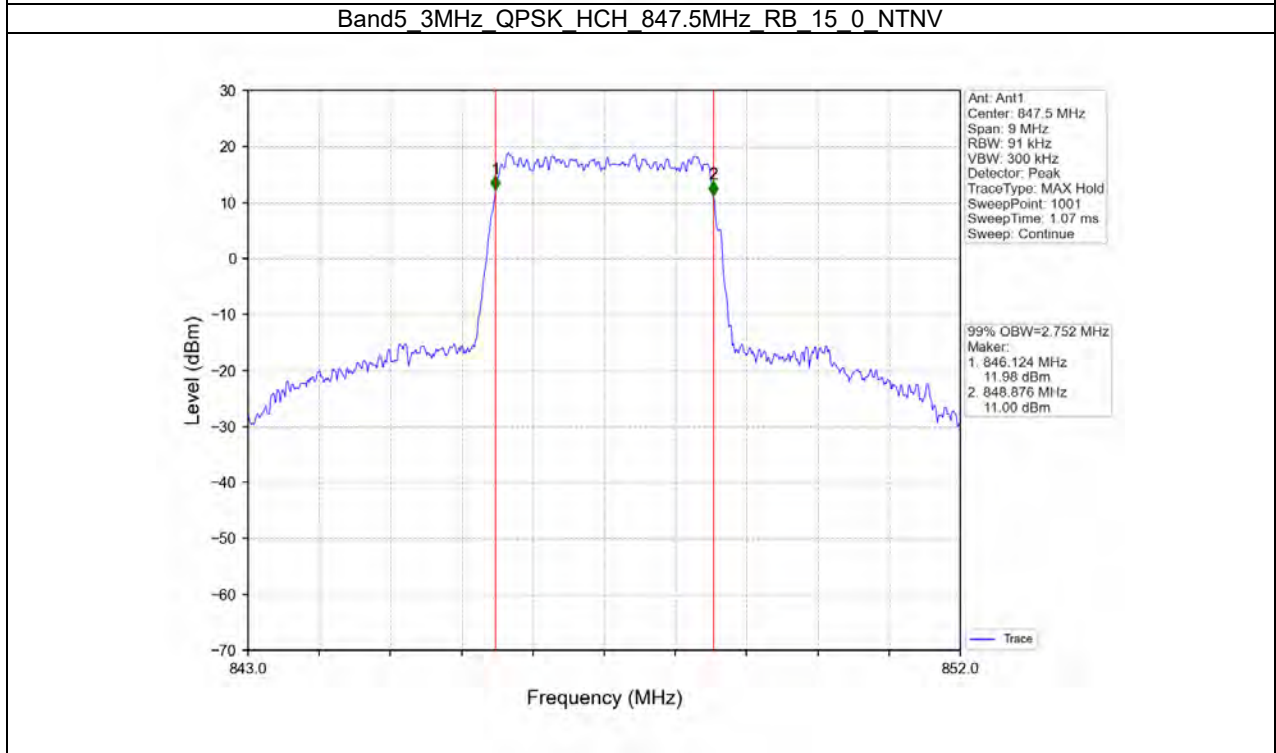
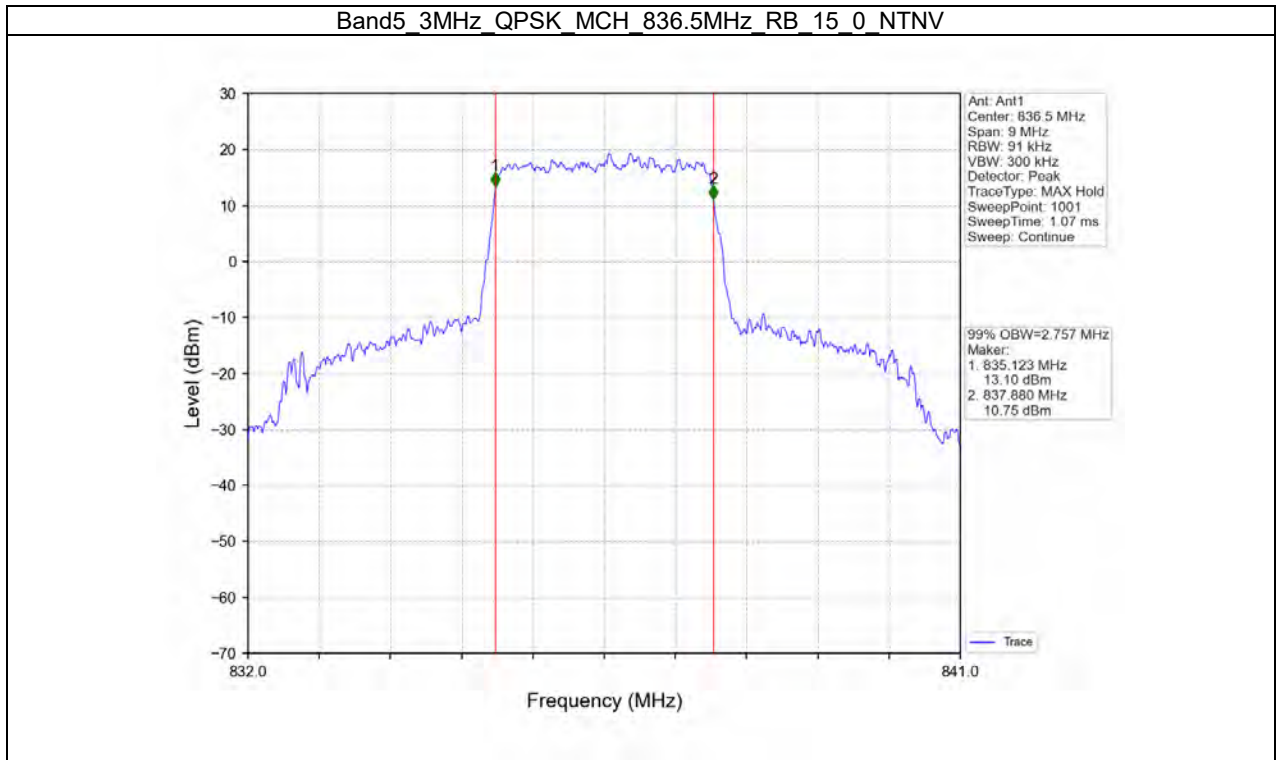
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTV





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Test Report No.: W7L-P21100018-2RF04

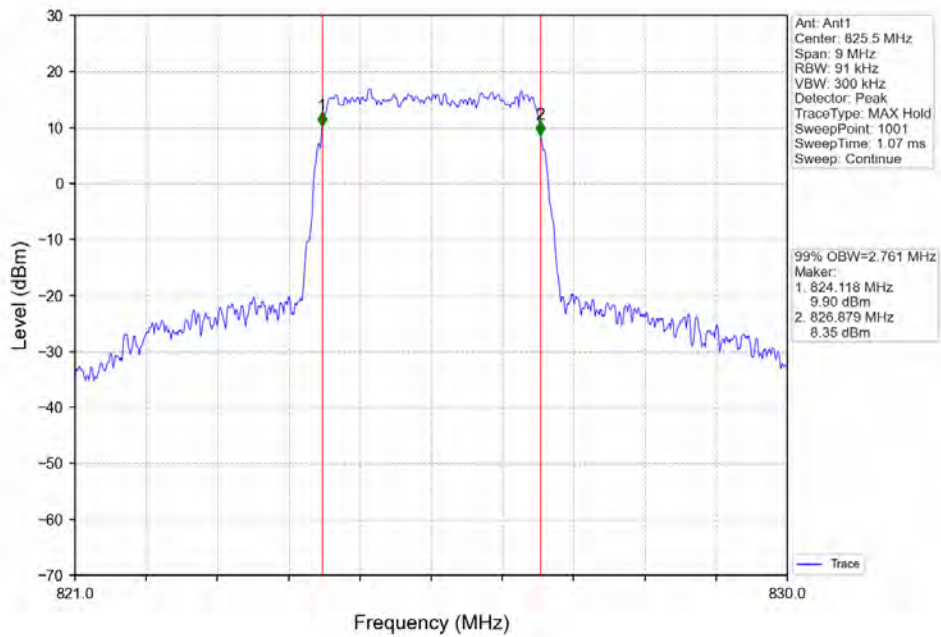




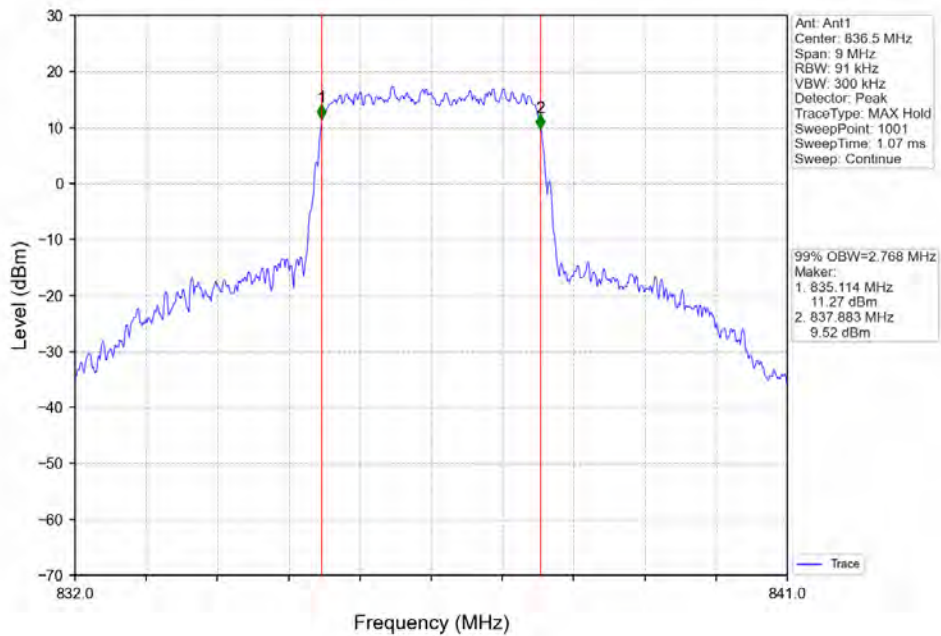
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VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

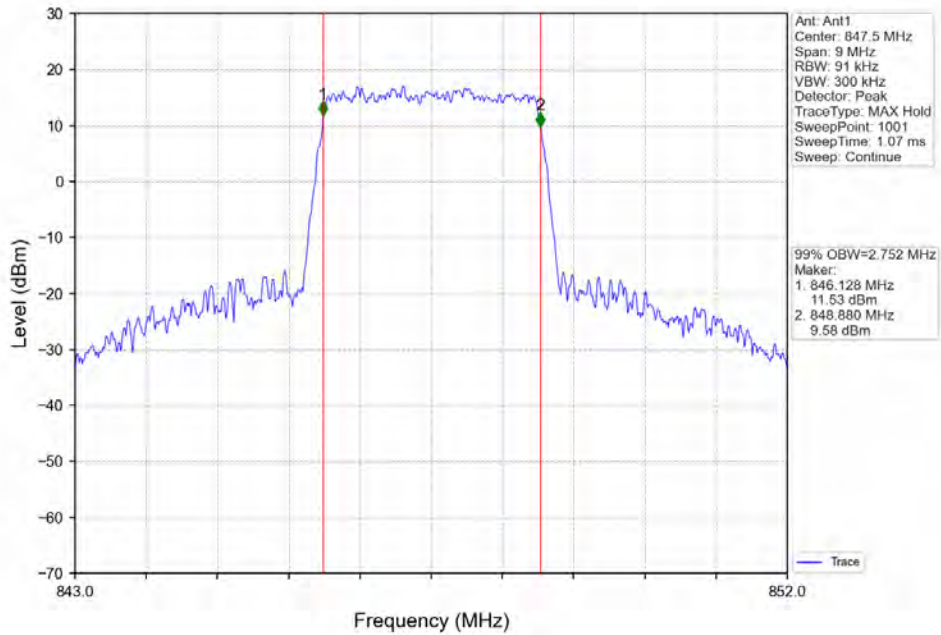




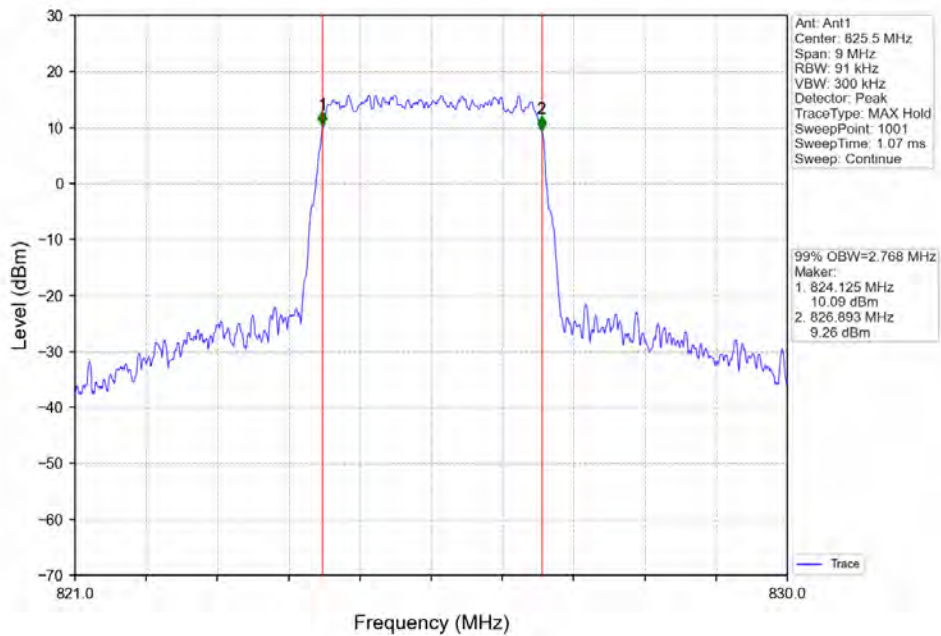
BUREAU
VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



Band5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV

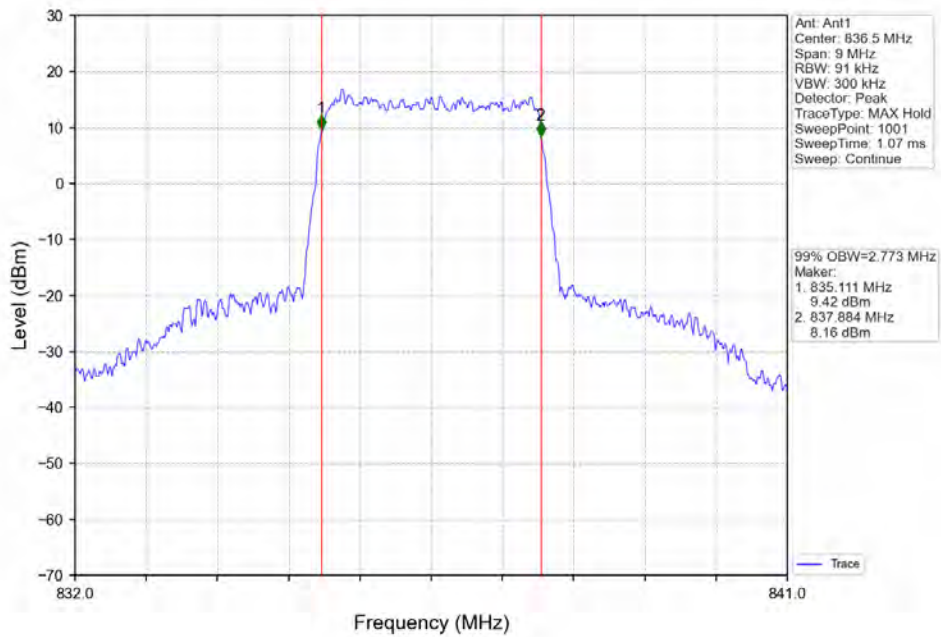




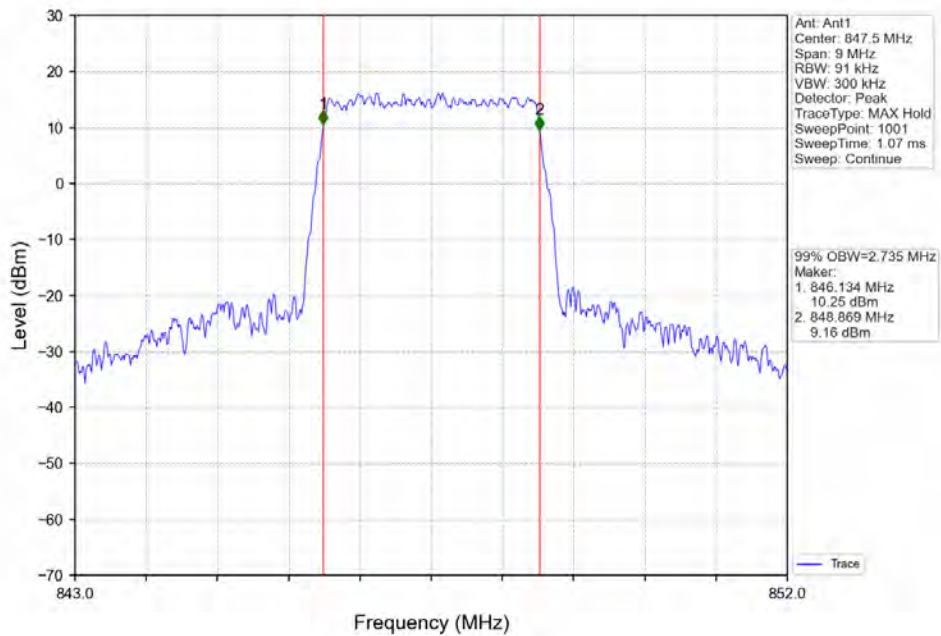
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VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



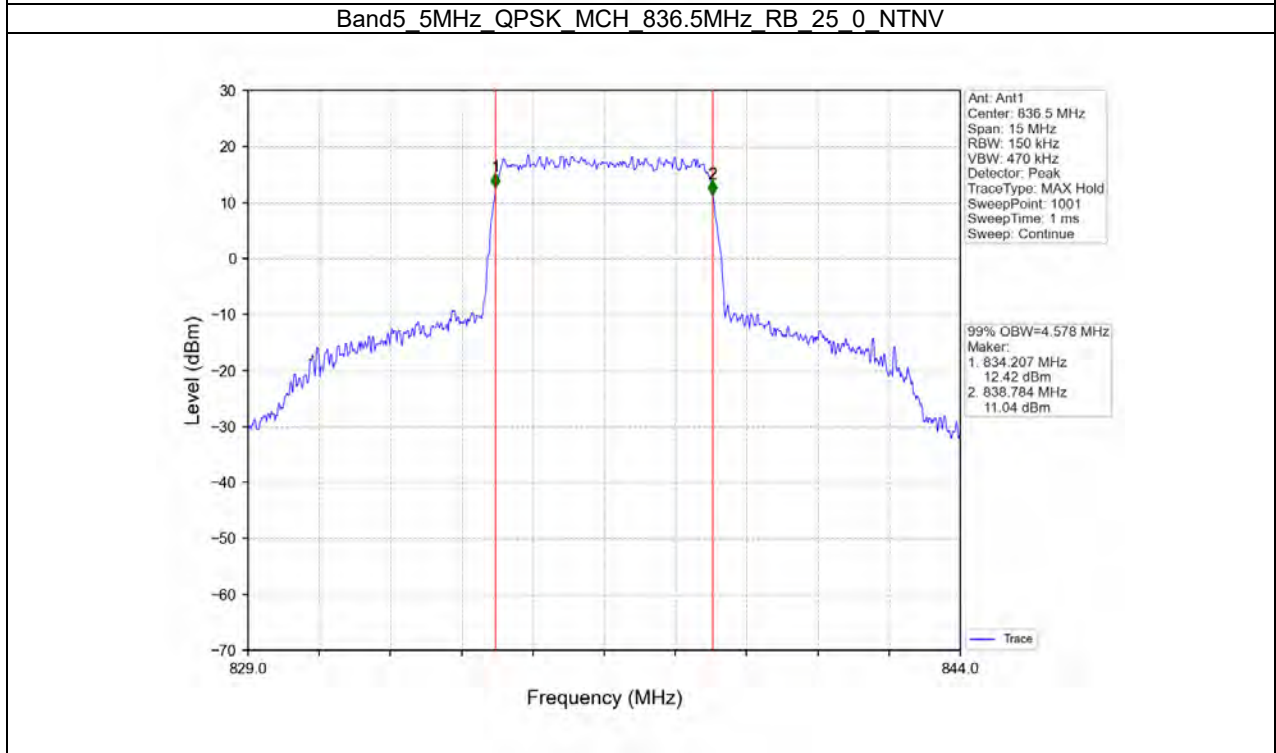
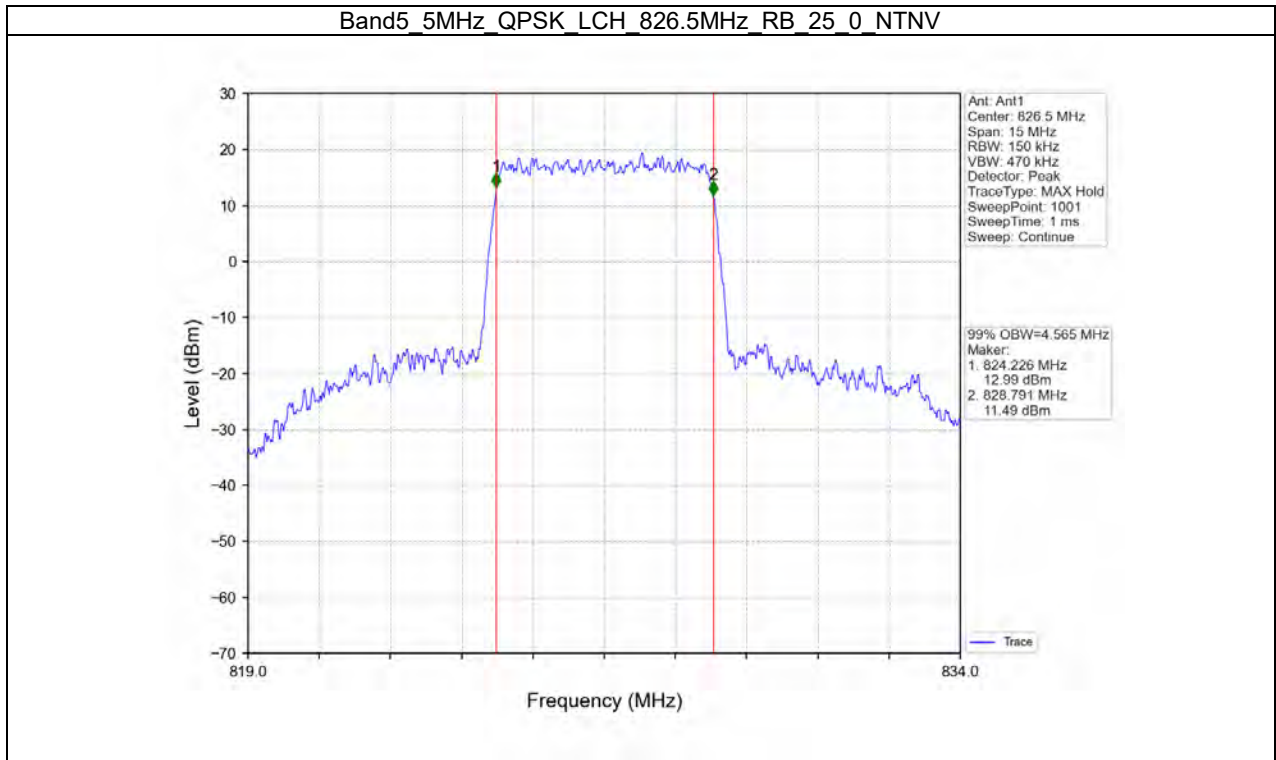
Band5_3MHz_64QAM_HCH_847.5MHz_RB_15_0_NTNV





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VERITAS

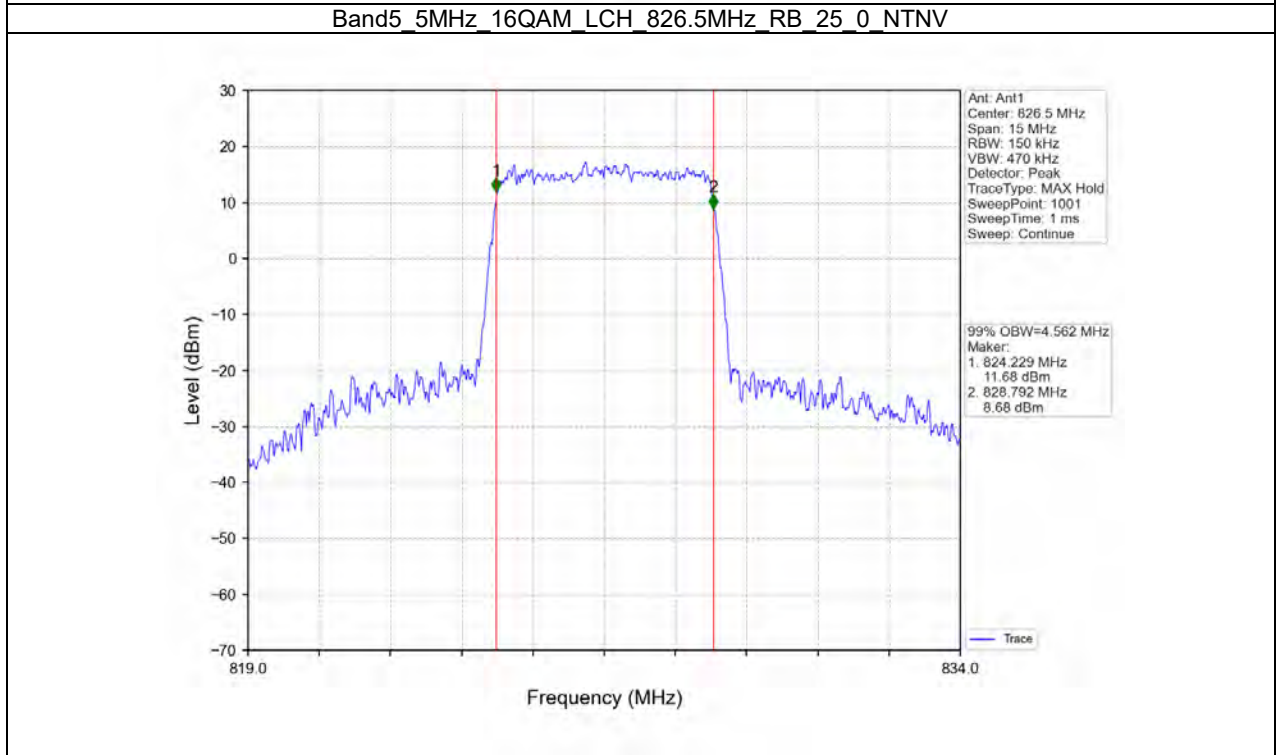
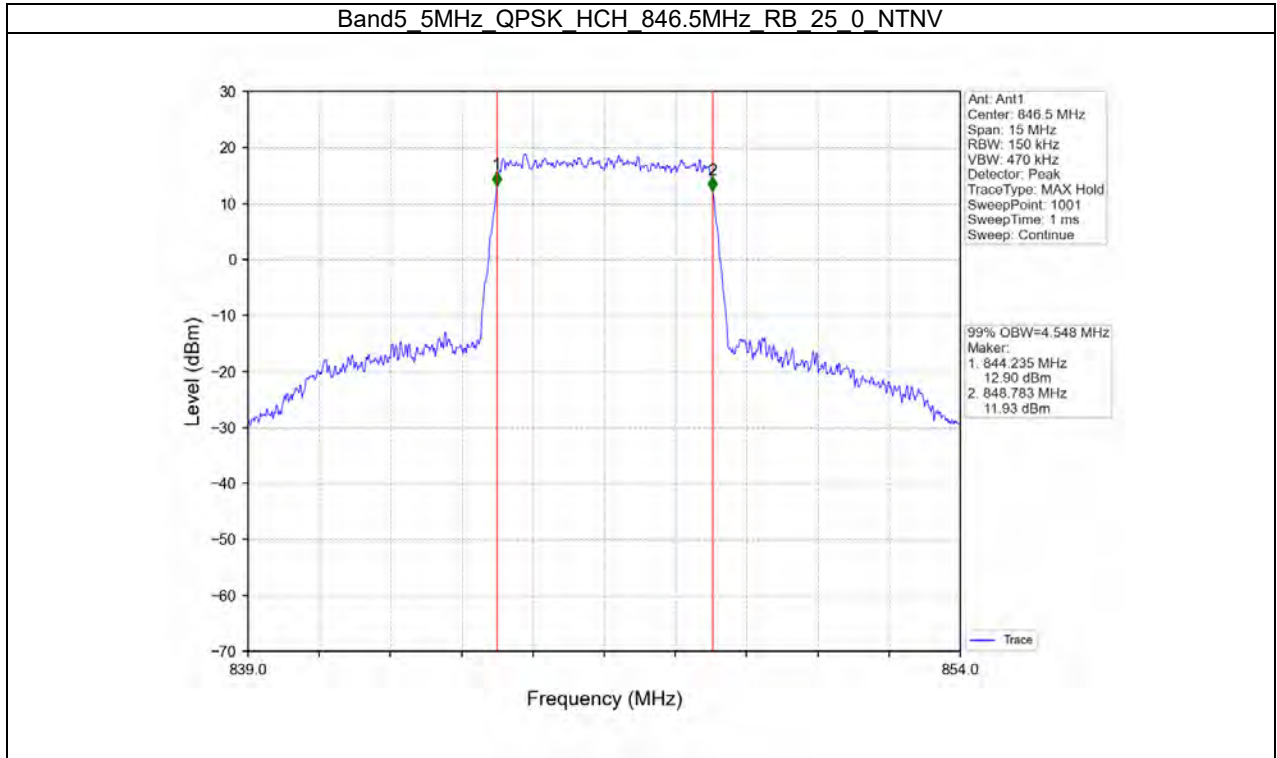
Test Report No.: W7L-P21100018-2RF04





BUREAU VERITAS

Test Report No.: W7L-P21100018-2RF04

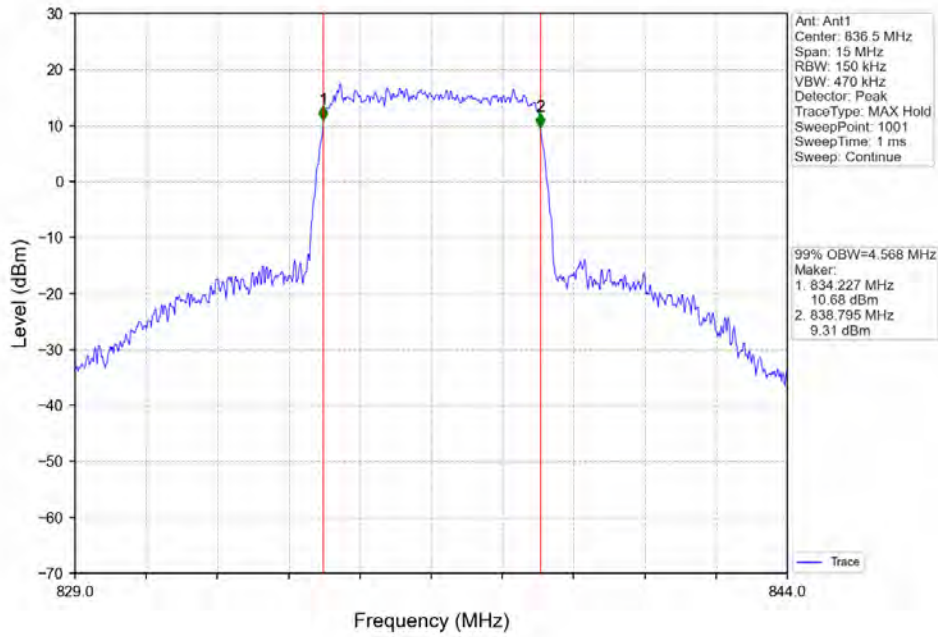




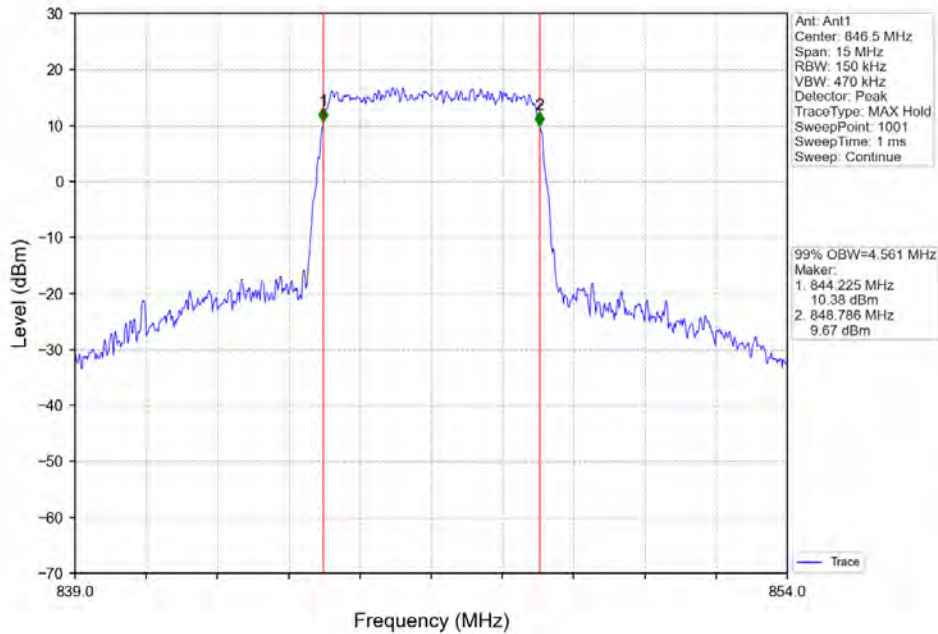
BUREAU VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

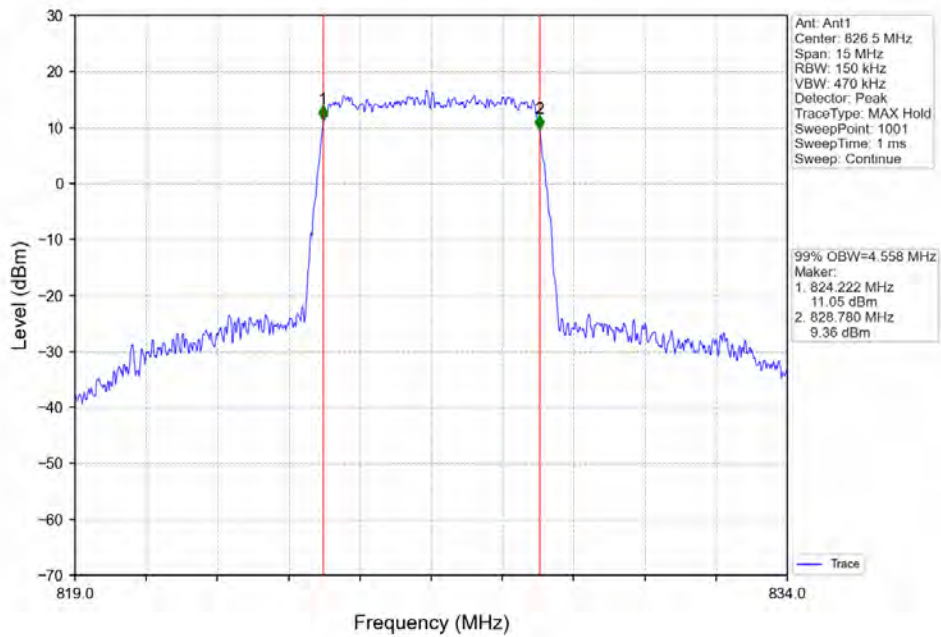




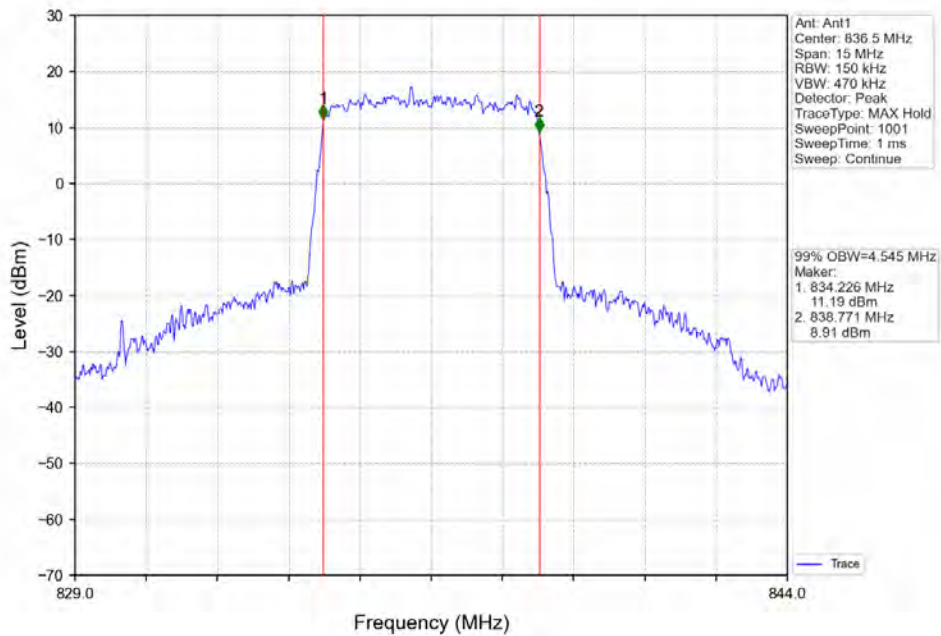
BUREAU
VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV

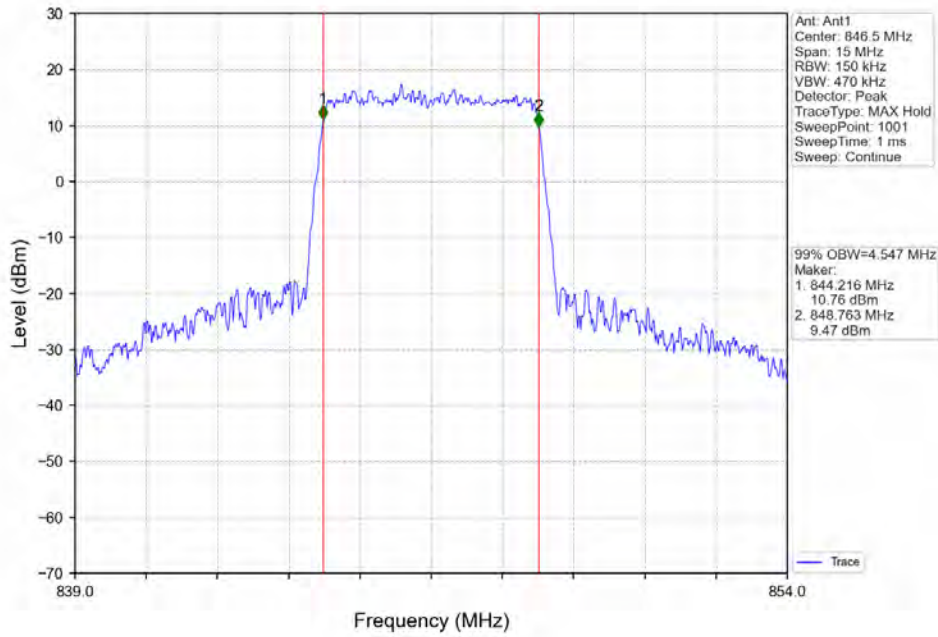




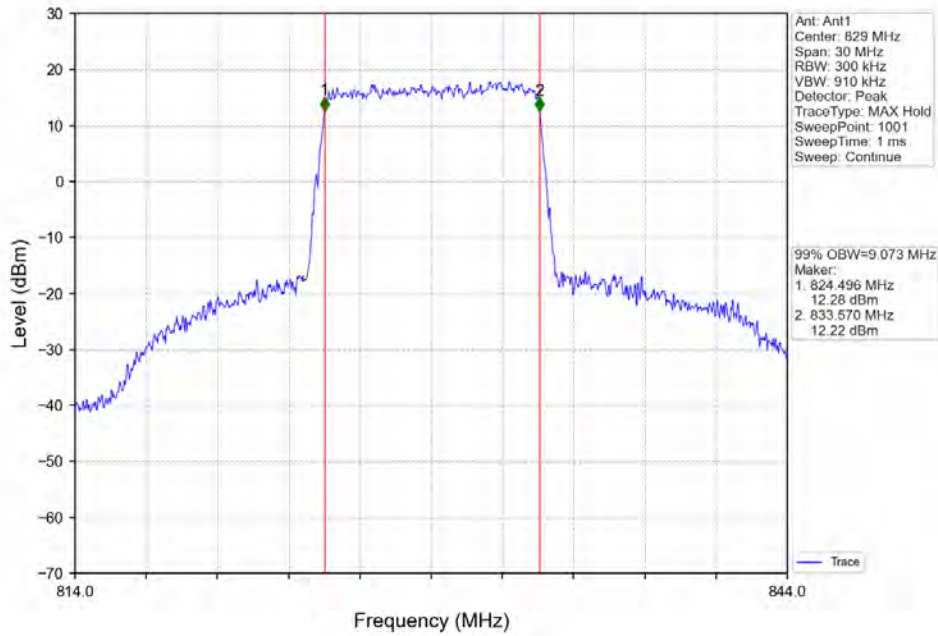
BUREAU VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5_5MHz_64QAM_HCH_846.5MHz_RB_25_0_NTNV



Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

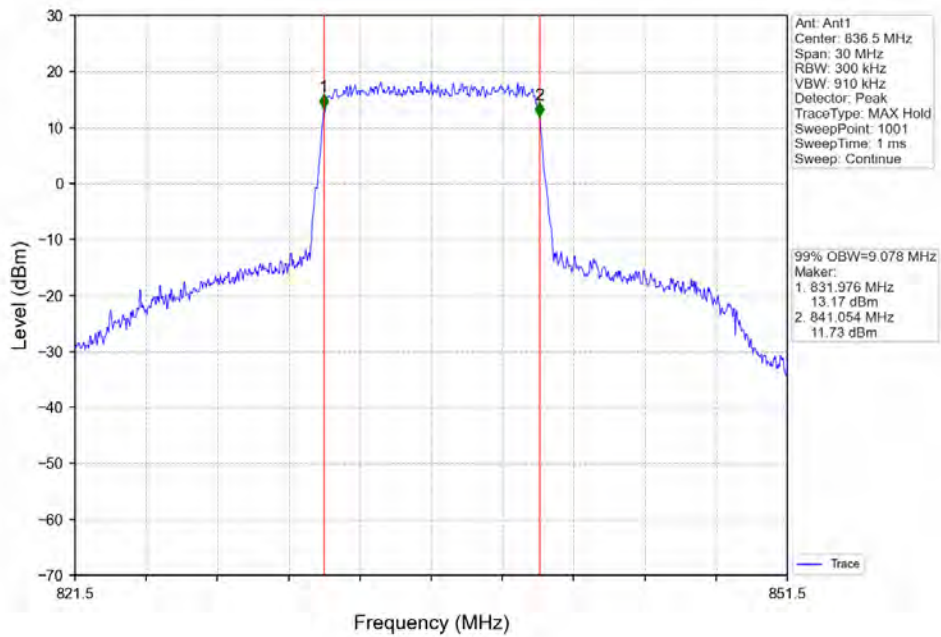




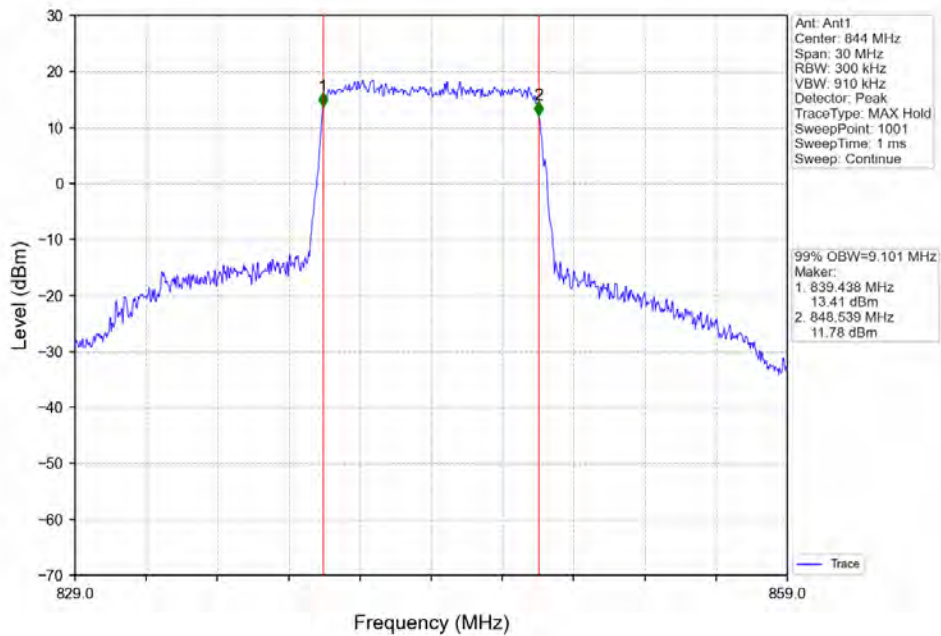
BUREAU
VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV

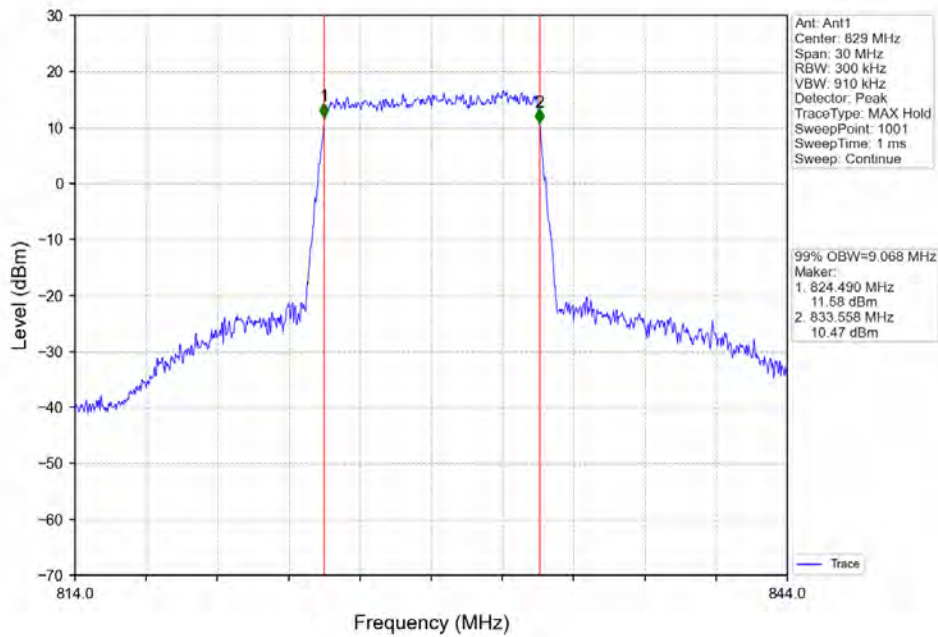




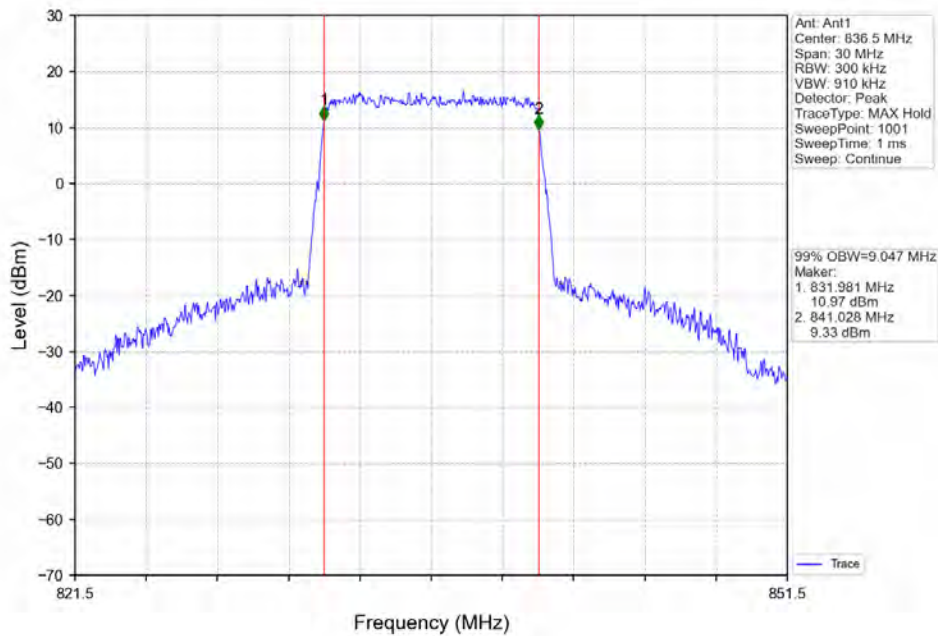
BUREAU VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

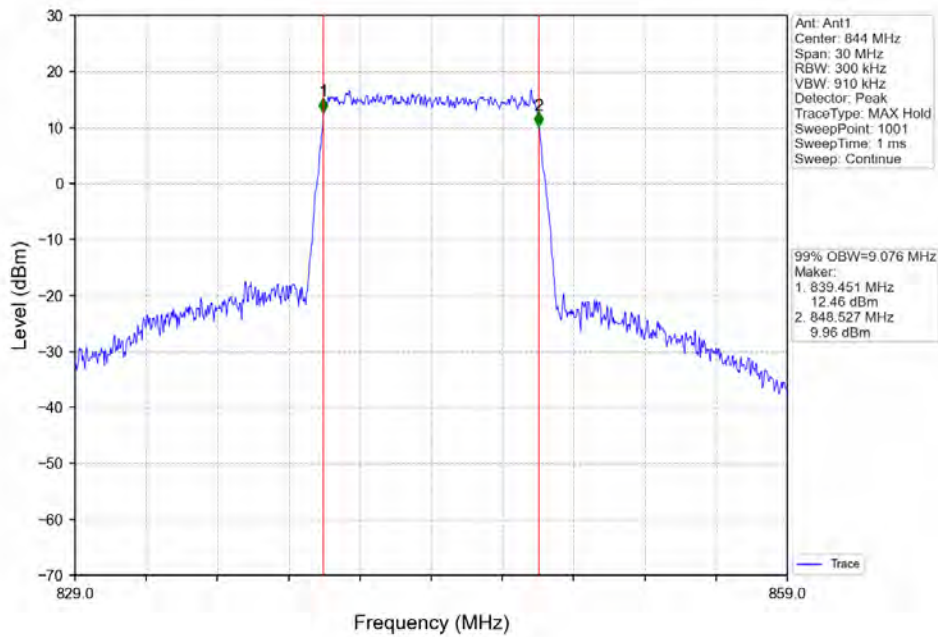




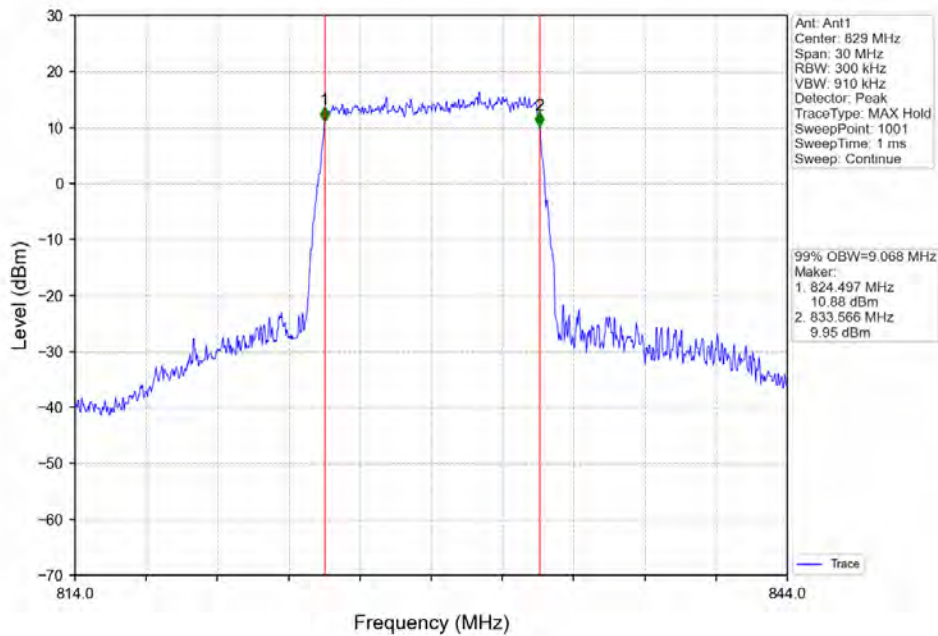
BUREAU VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV

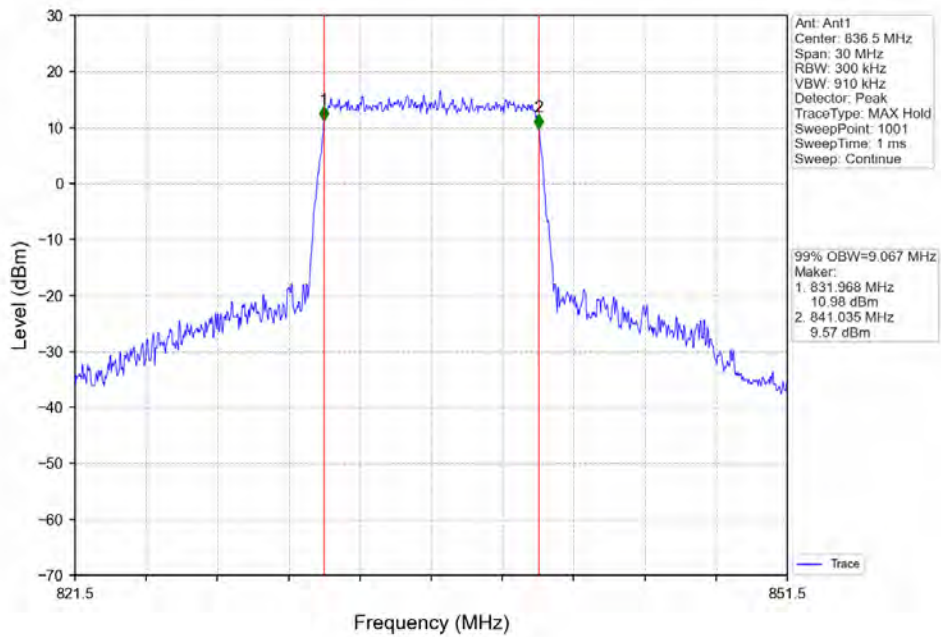




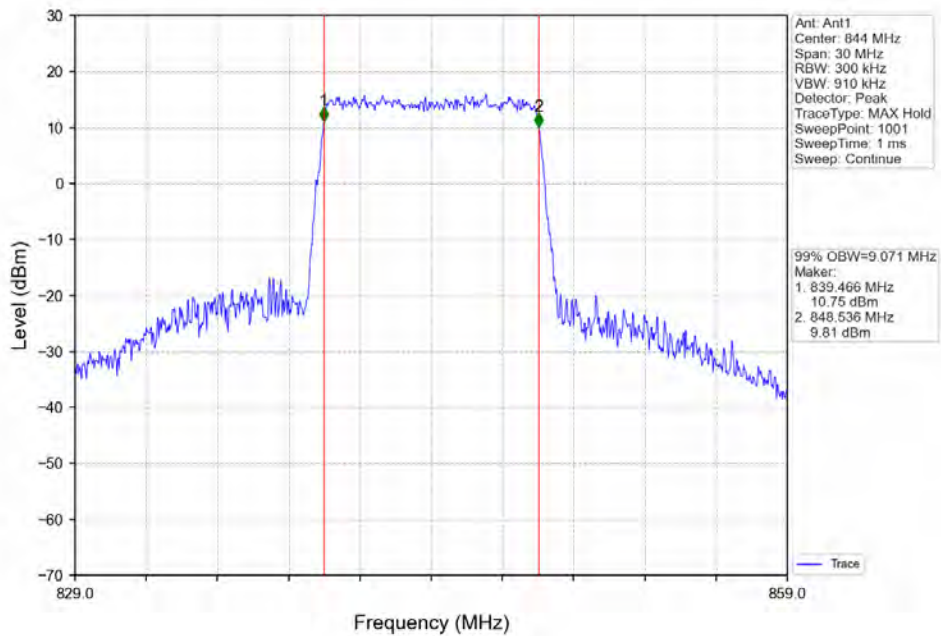
BUREAU
VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5 10MHz 64QAM MCH 836.5MHz RB 50 0 NTVN



Band5 10MHz 64QAM HCH 844MHz RB 50 0 NTVN



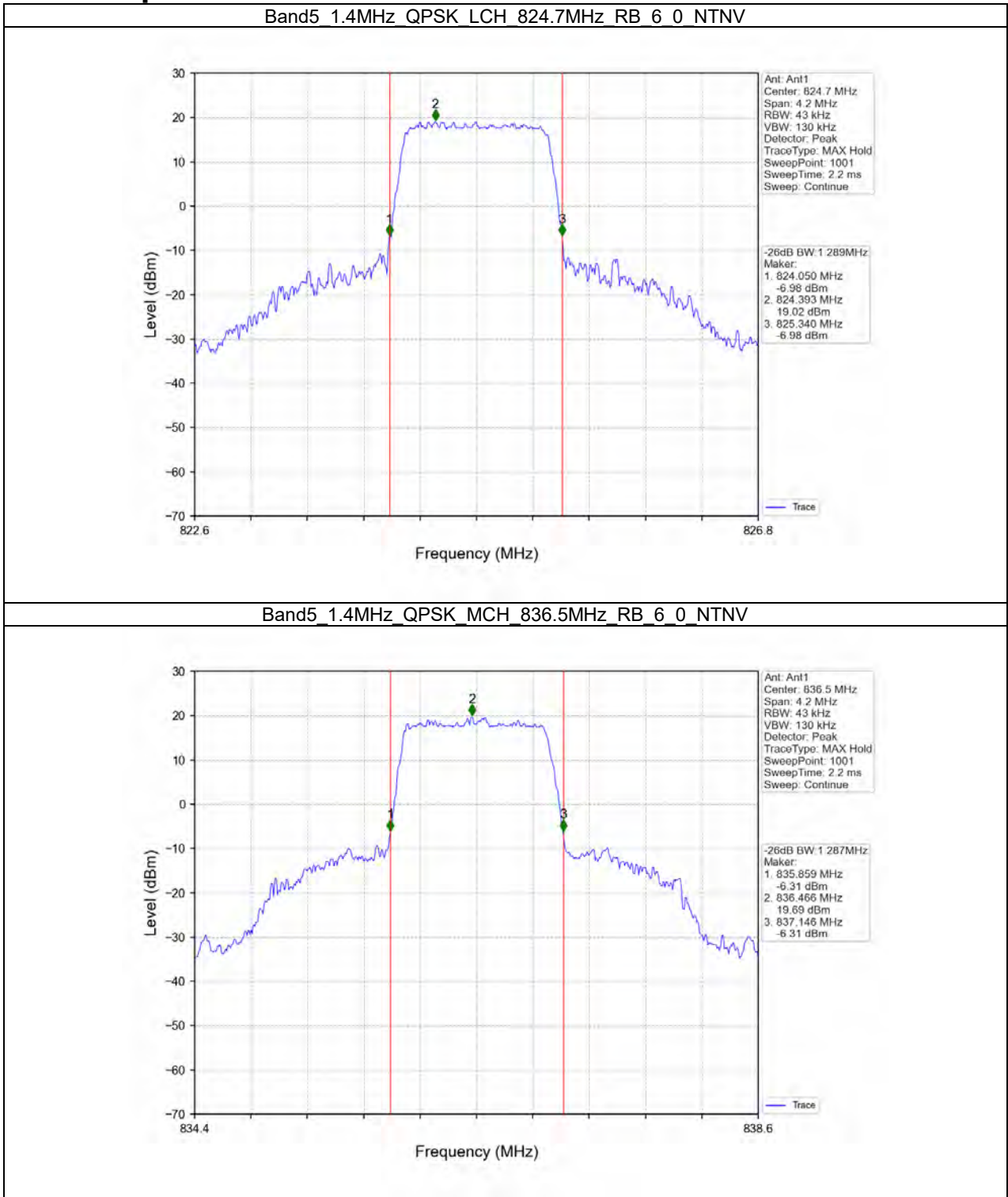


26DB_OBW Test Result

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

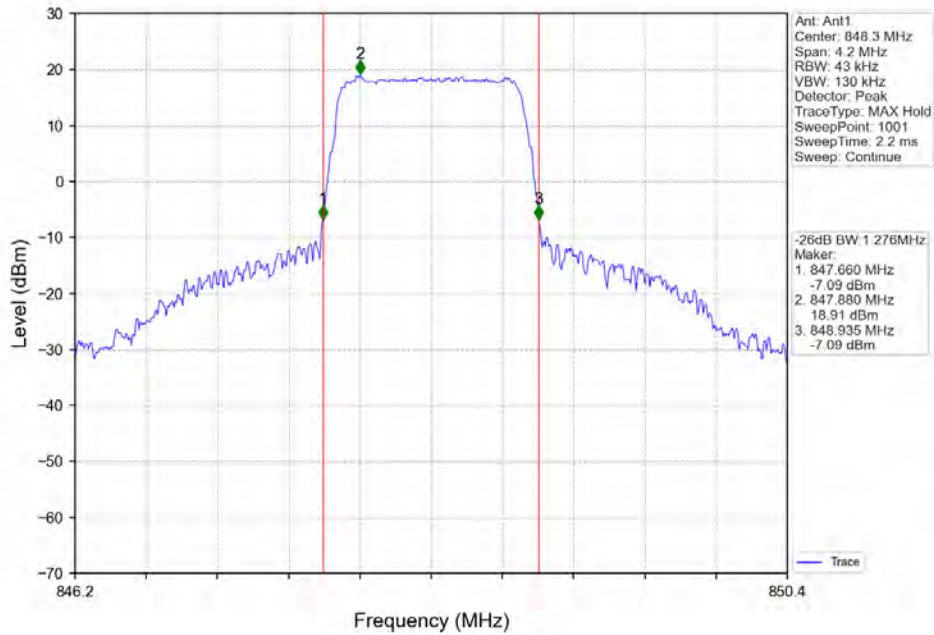




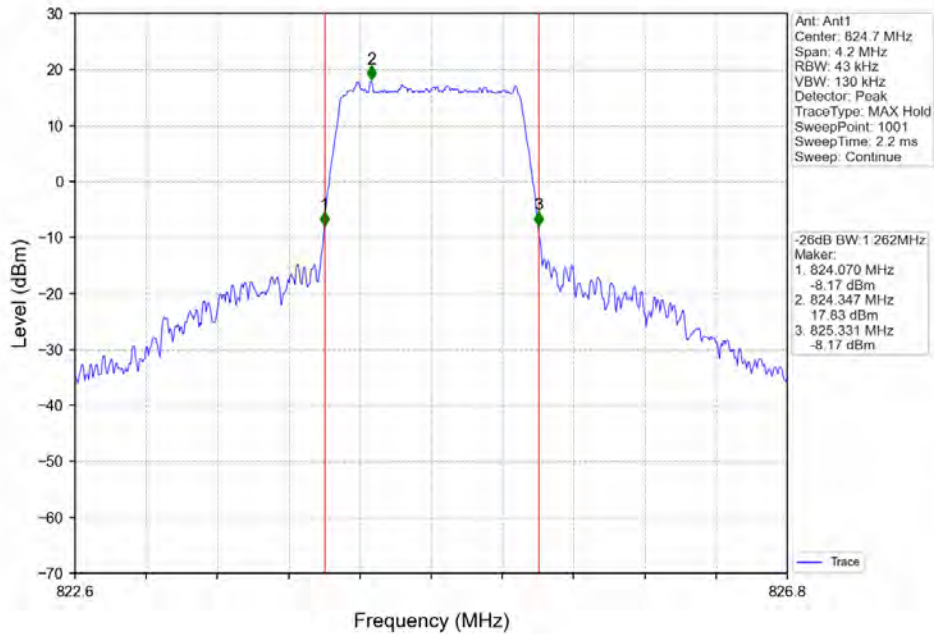
BUREAU VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



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

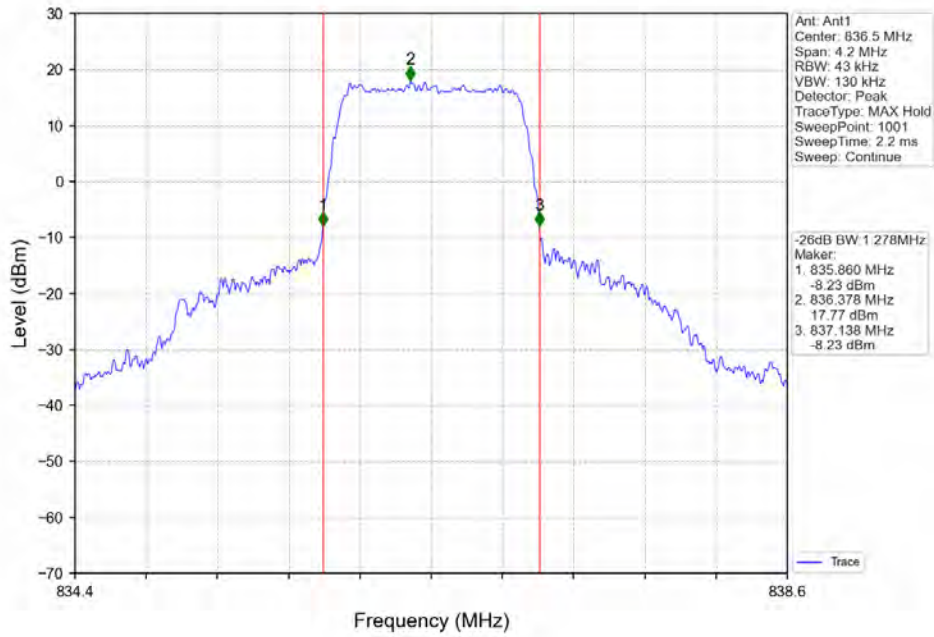




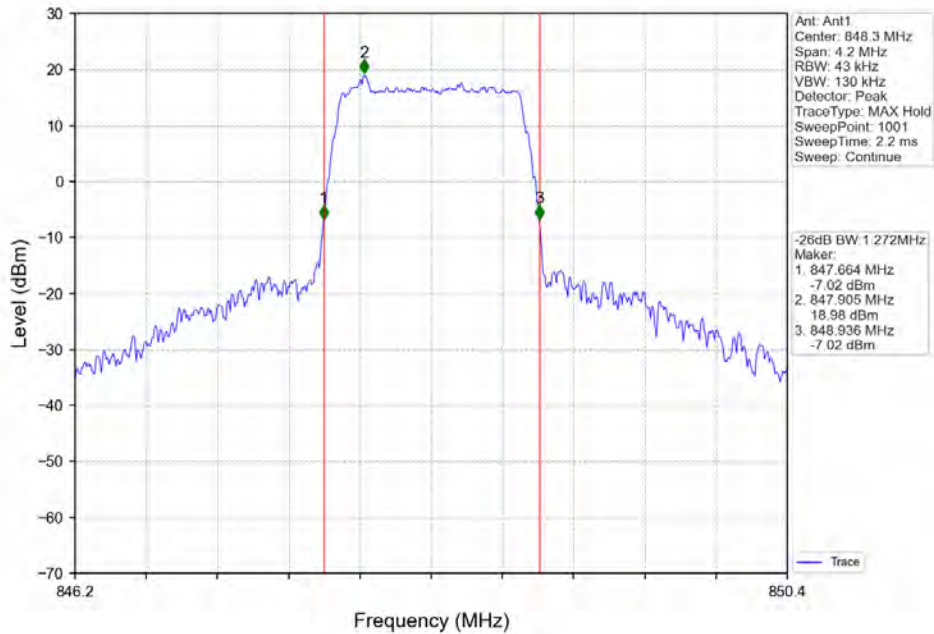
BUREAU VERITAS

Test Report No.: W7L-P21100018-2RF04

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



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

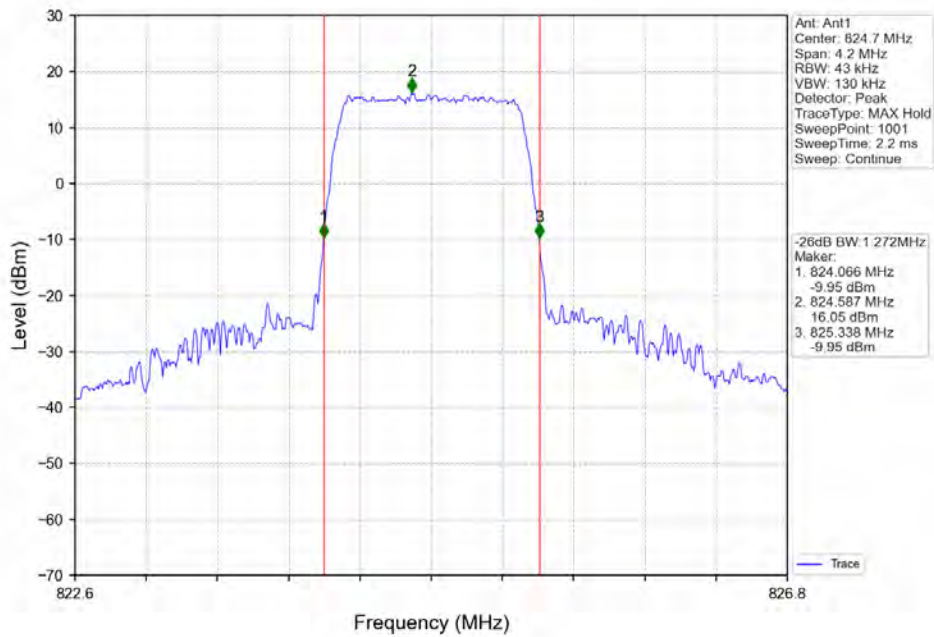




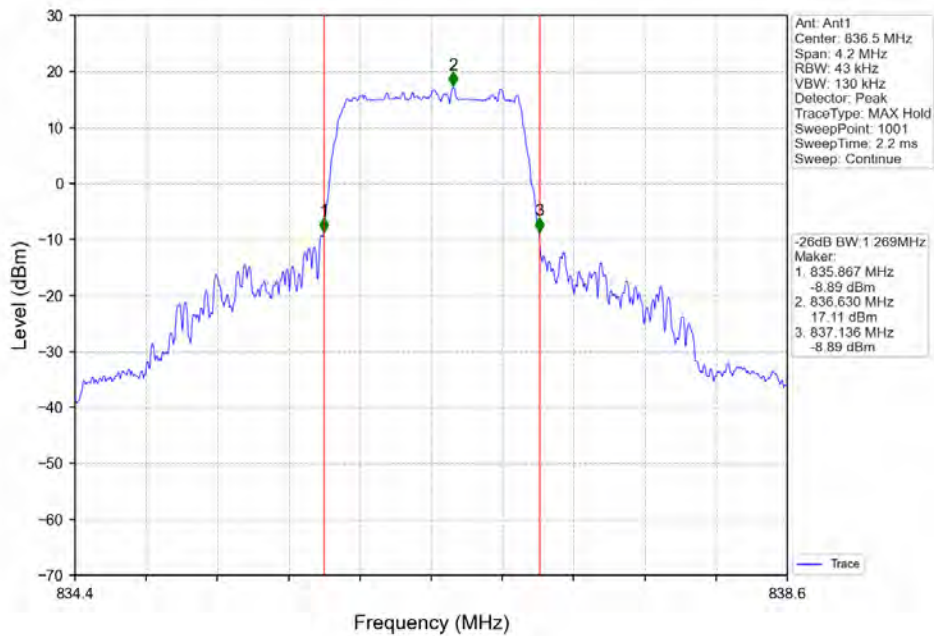
BUREAU VERITAS

Test Report No.: W7L-P21100018-2RF04

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



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

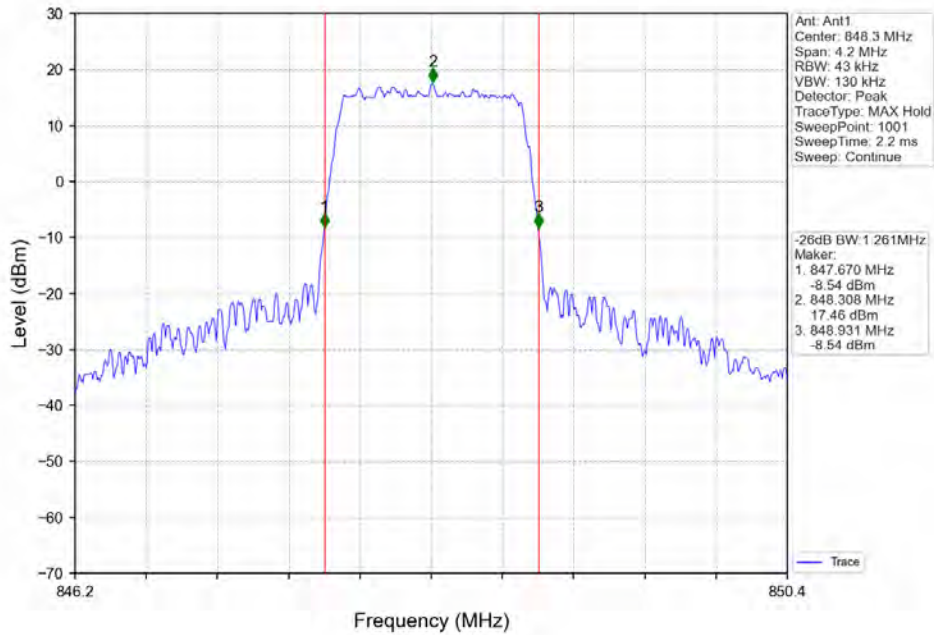




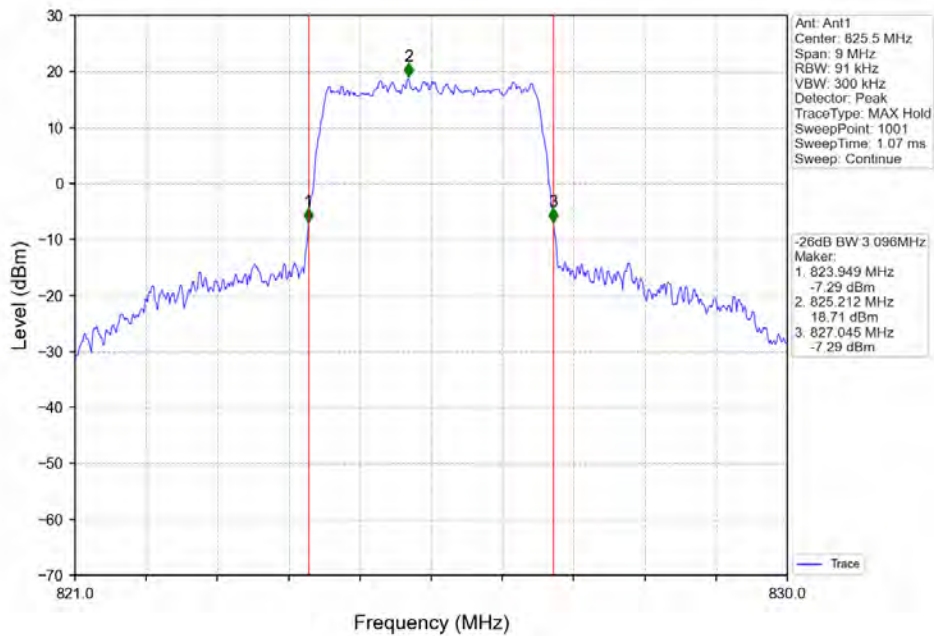
BUREAU VERITAS

Test Report No.: W7L-P21100018-2RF04

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



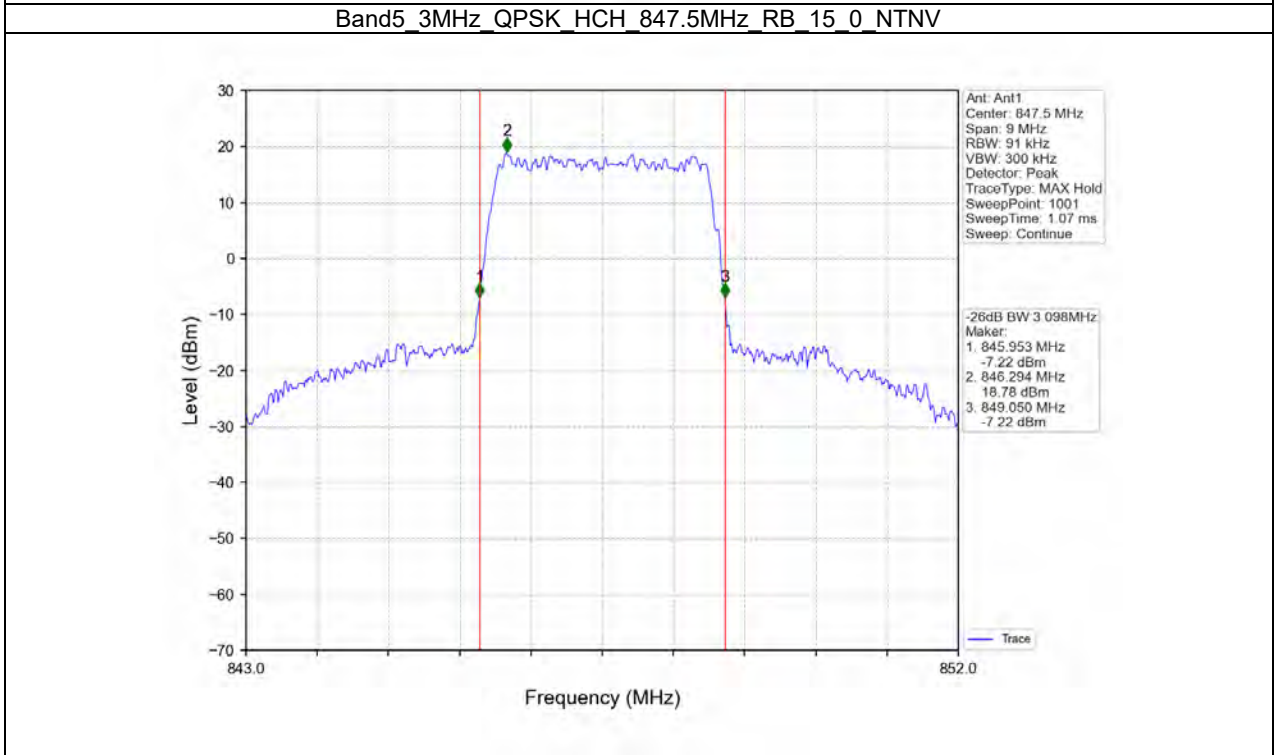
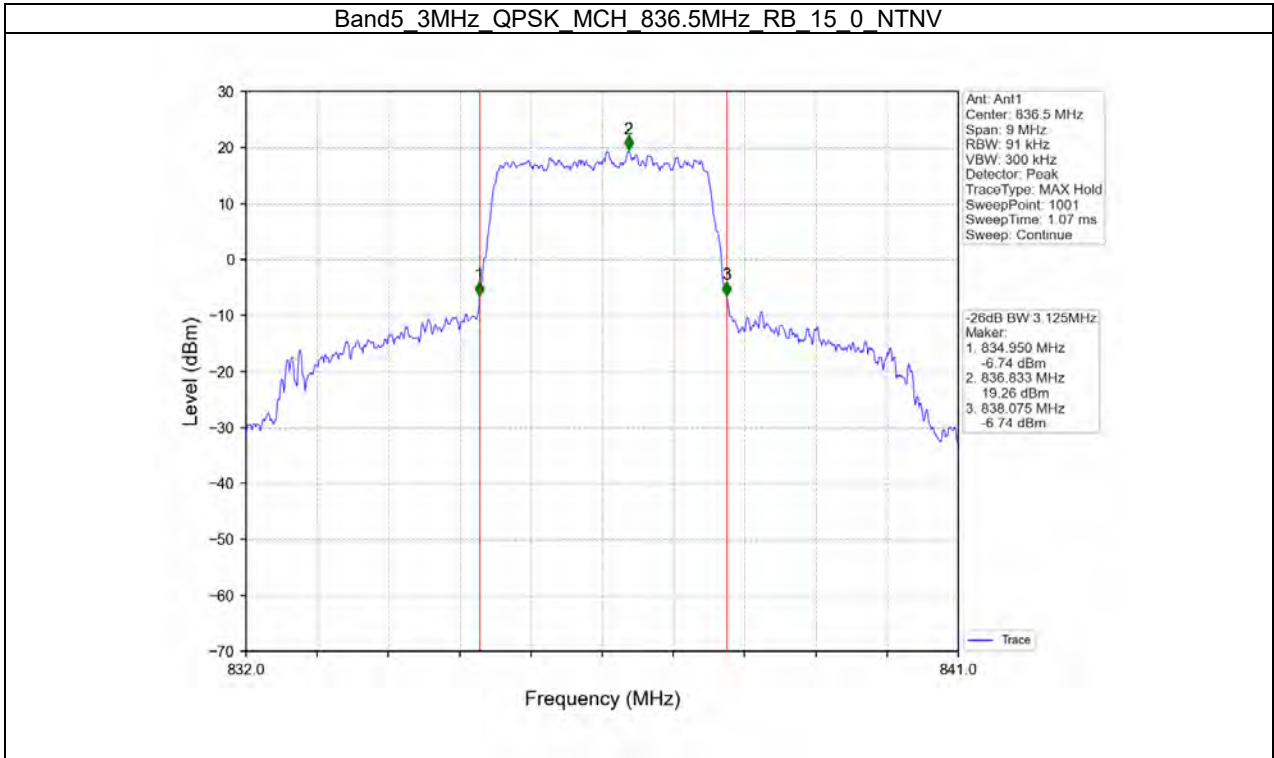
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTV





BUREAU VERITAS

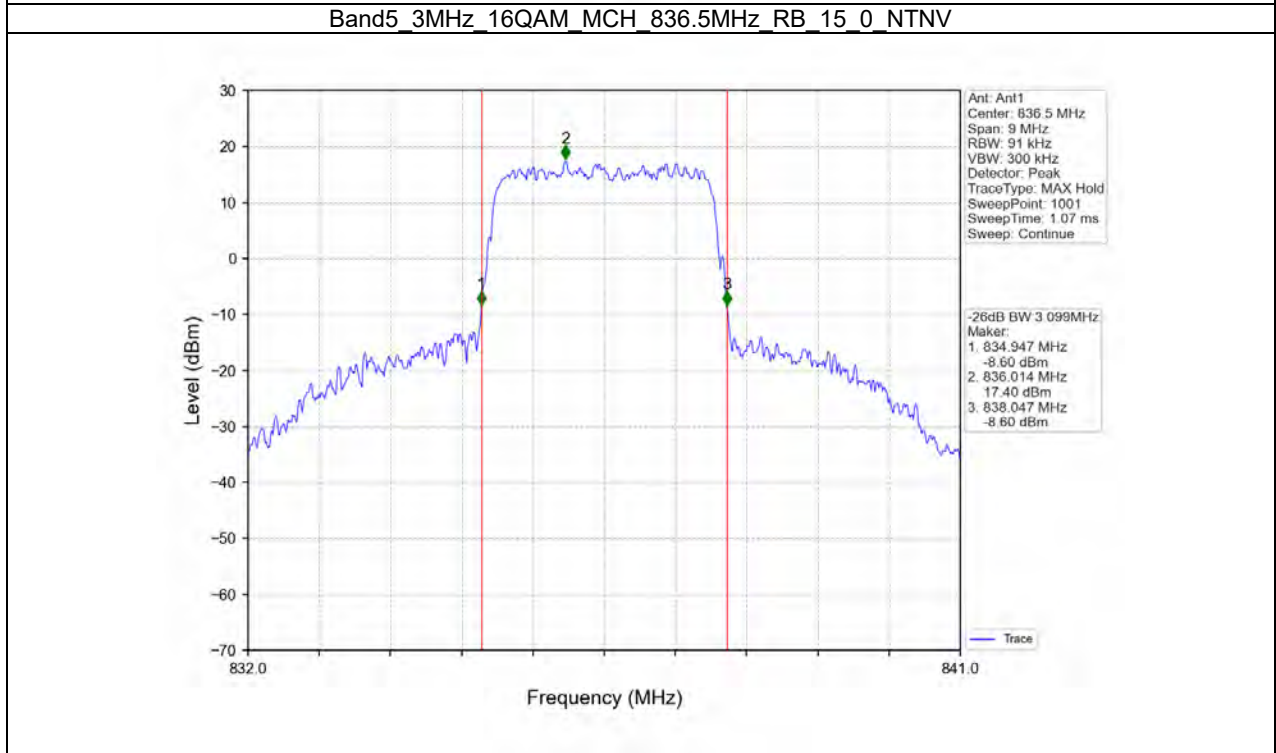
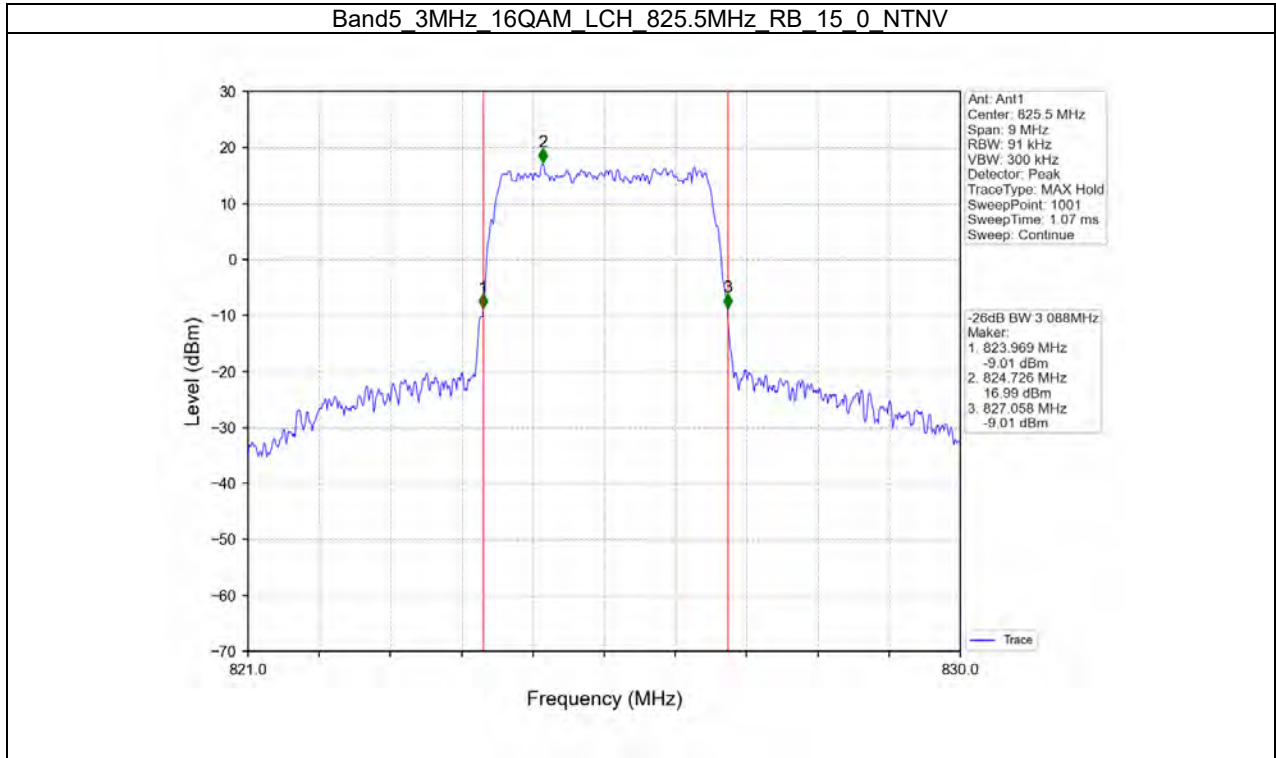
Test Report No.: W7L-P21100018-2RF04





BUREAU VERITAS

Test Report No.: W7L-P21100018-2RF04

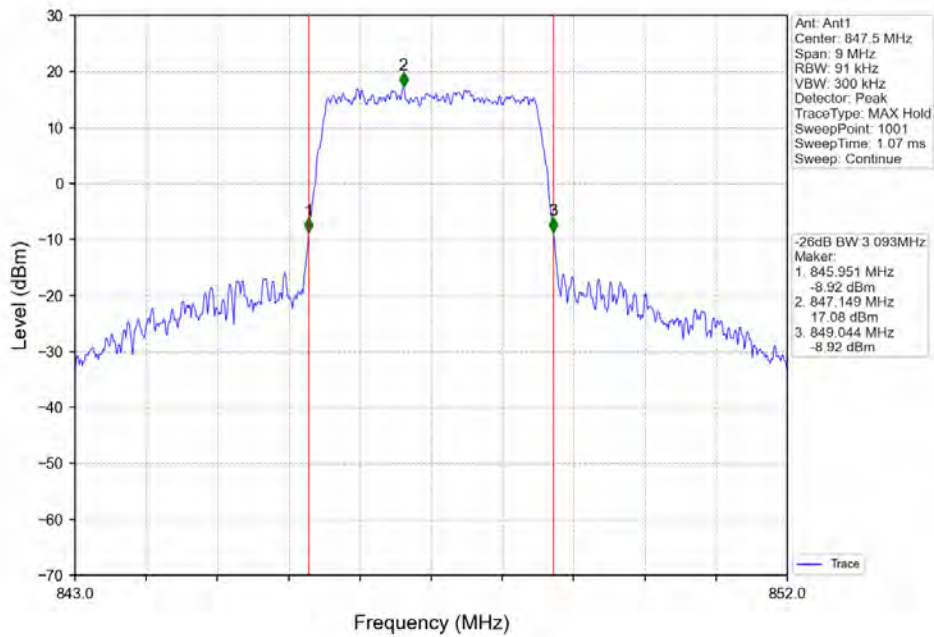




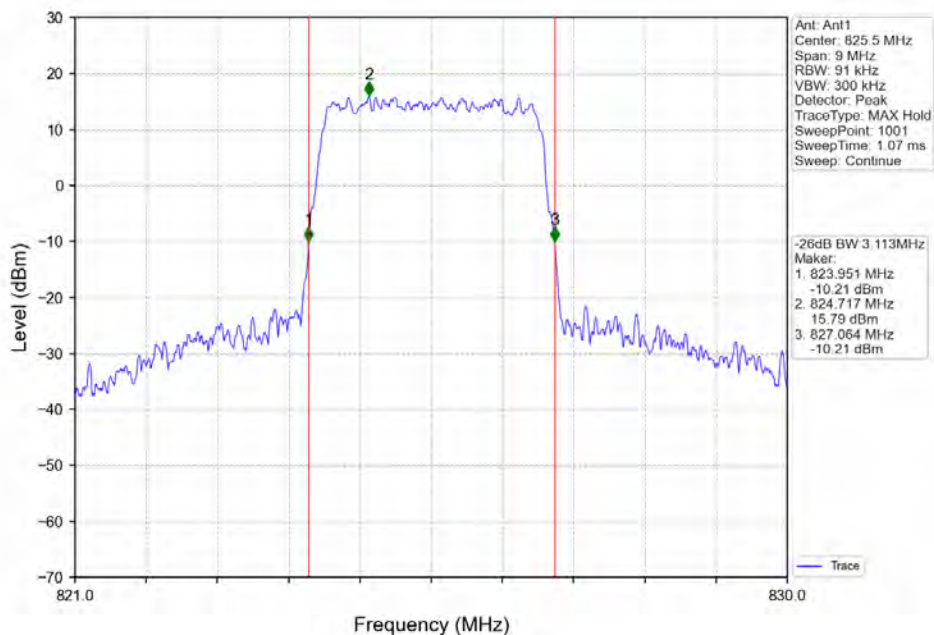
BUREAU
VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



Band5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV

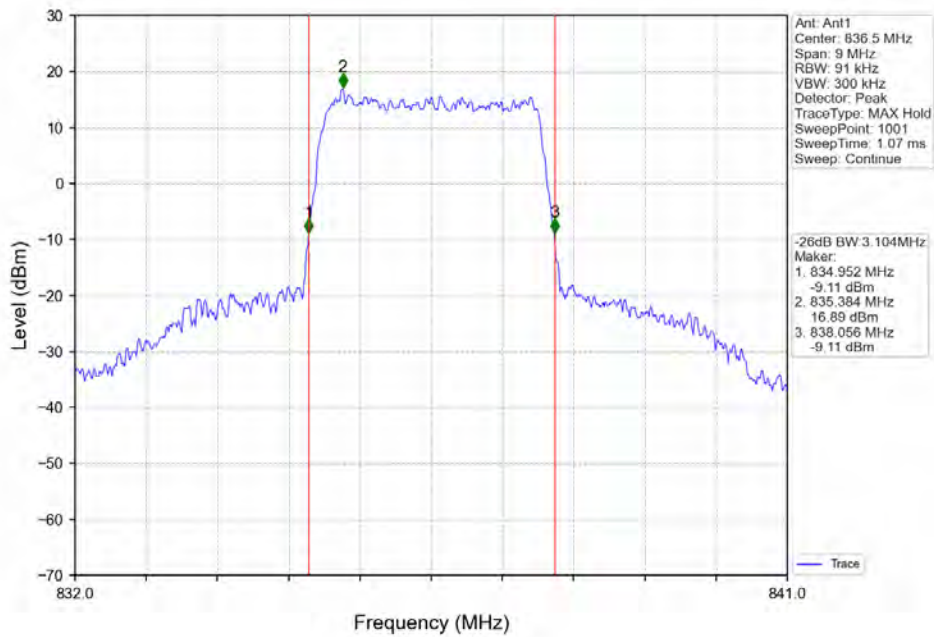




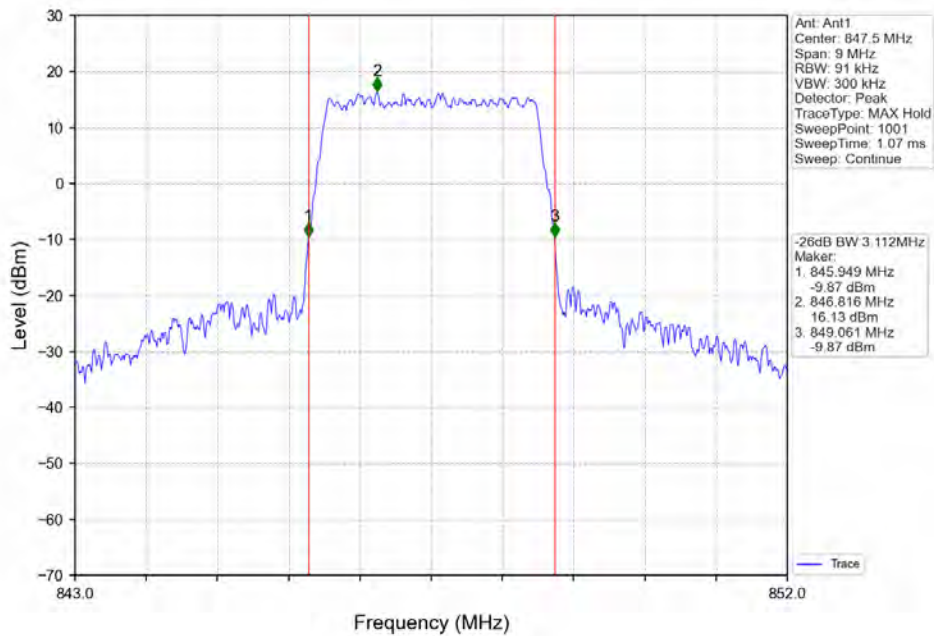
BUREAU VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



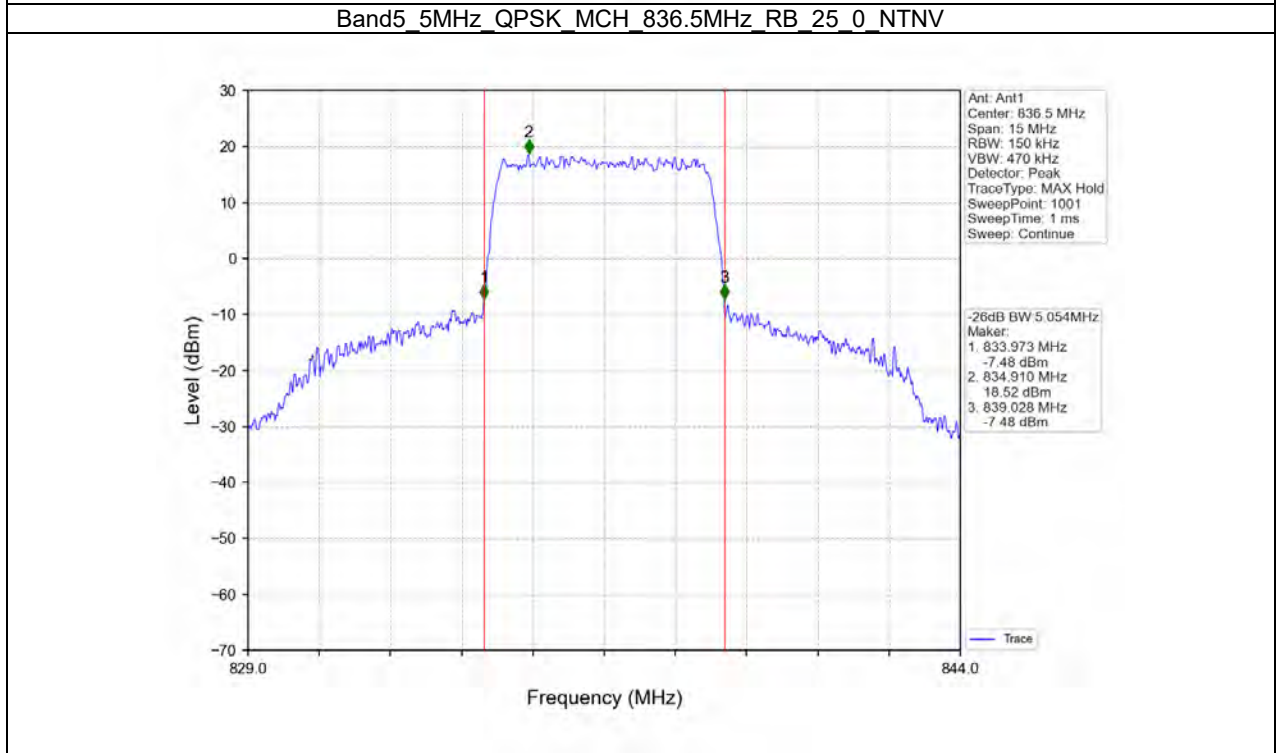
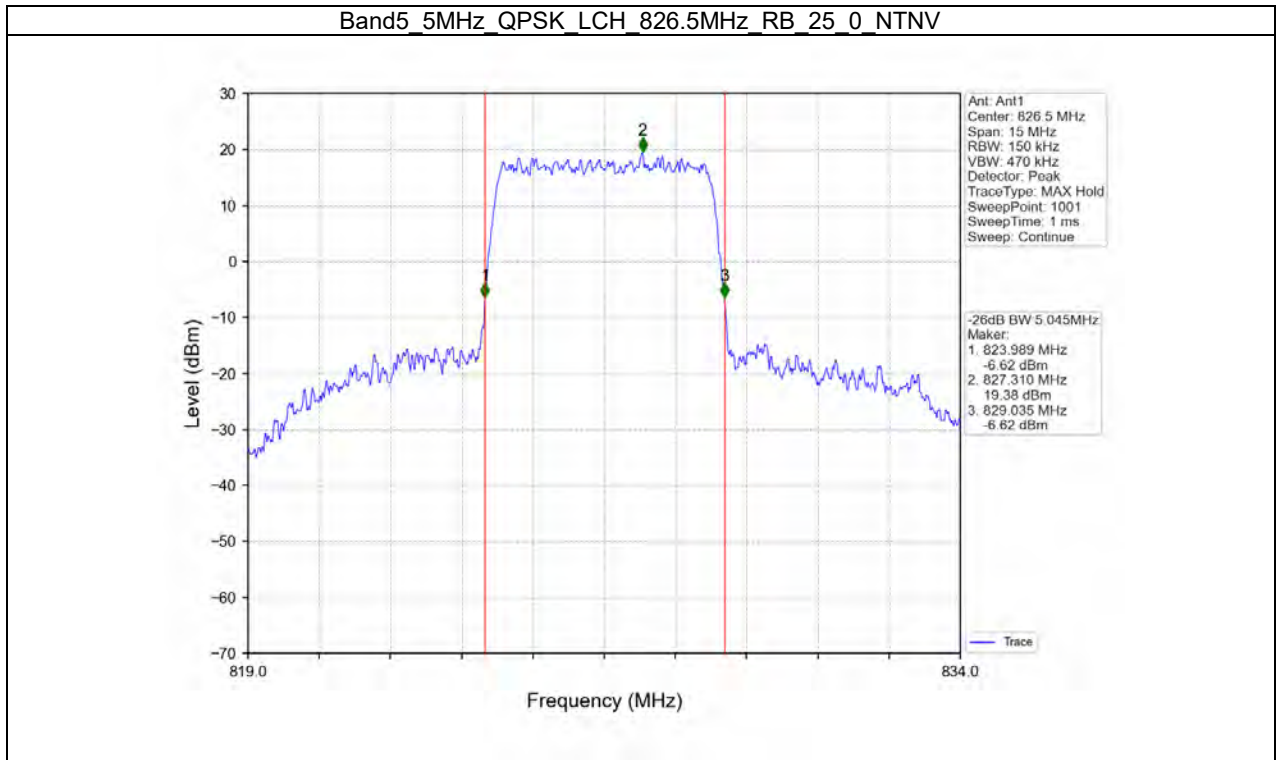
Band5_3MHz_64QAM_HCH_847.5MHz_RB_15_0_NTNV





BUREAU
VERITAS

Test Report No.: W7L-P21100018-2RF04

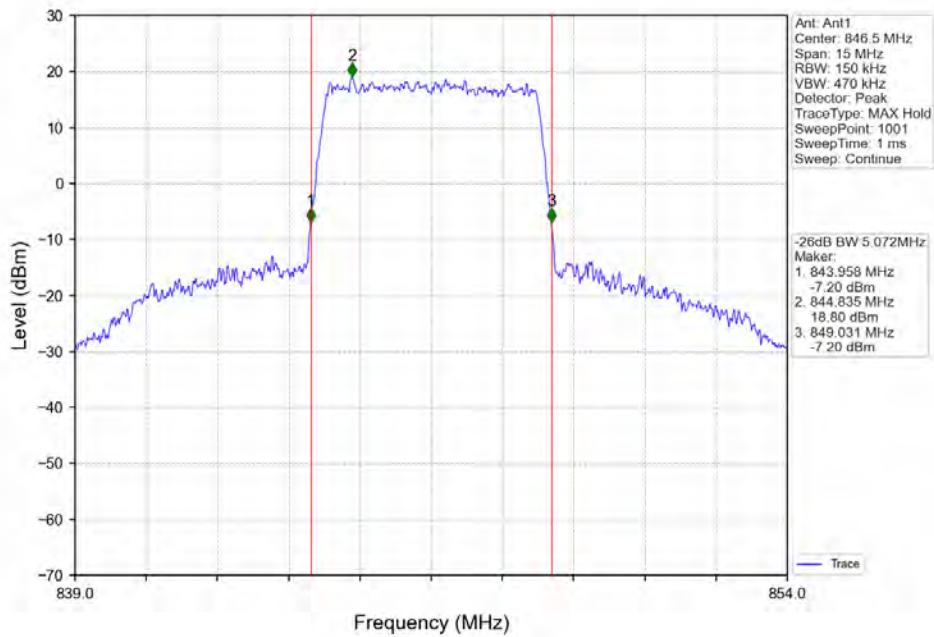




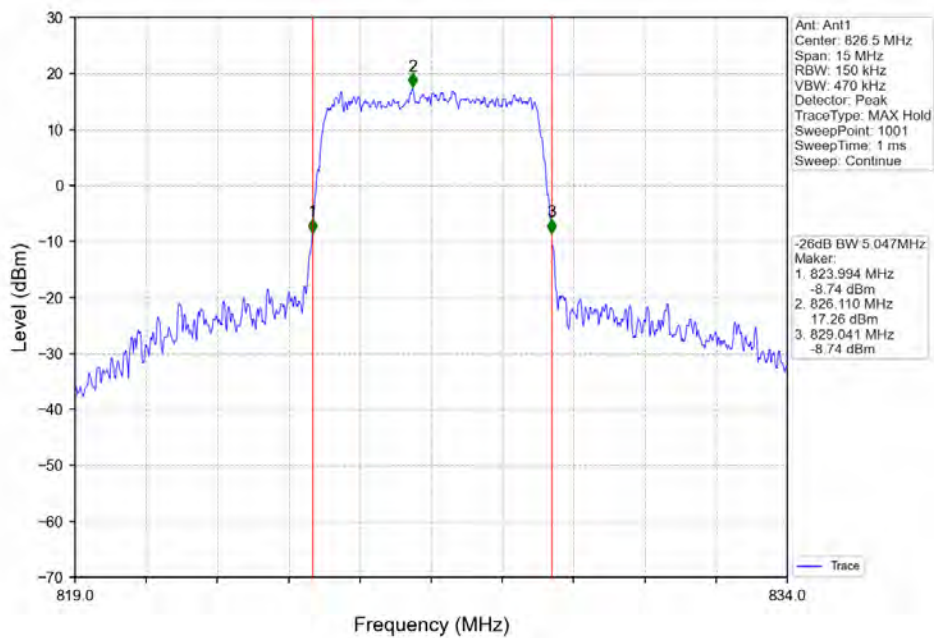
BUREAU
VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

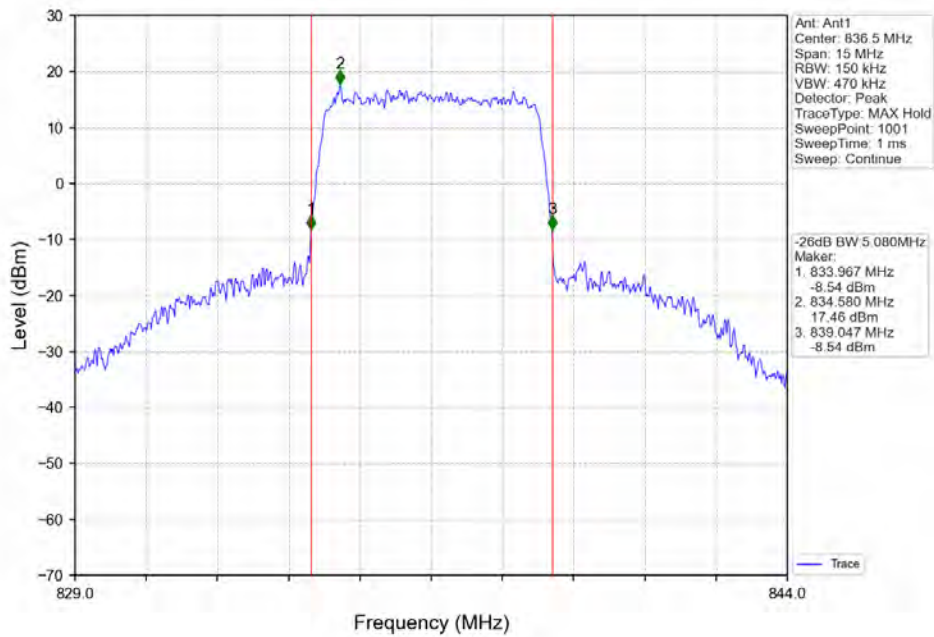




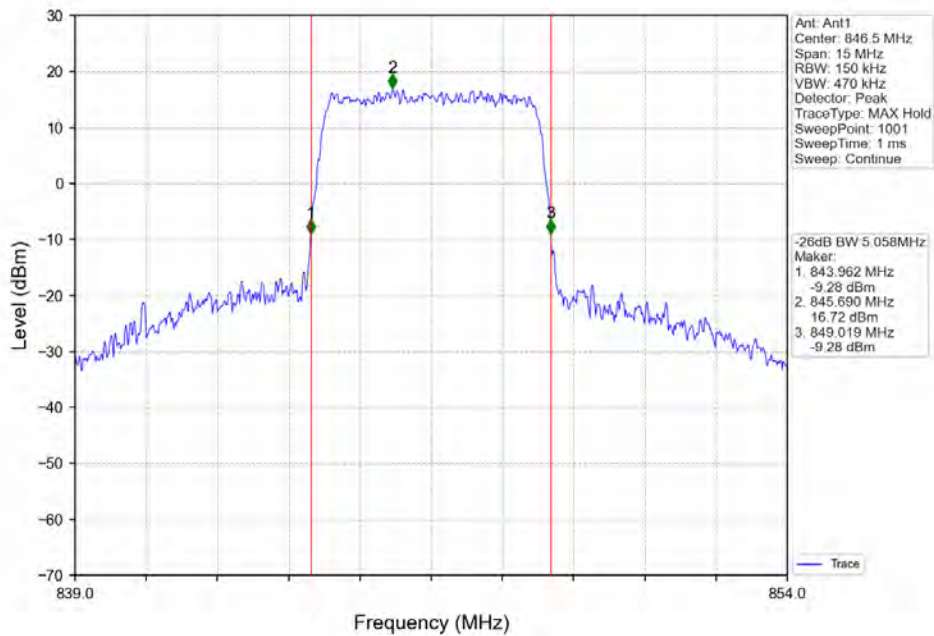
BUREAU VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

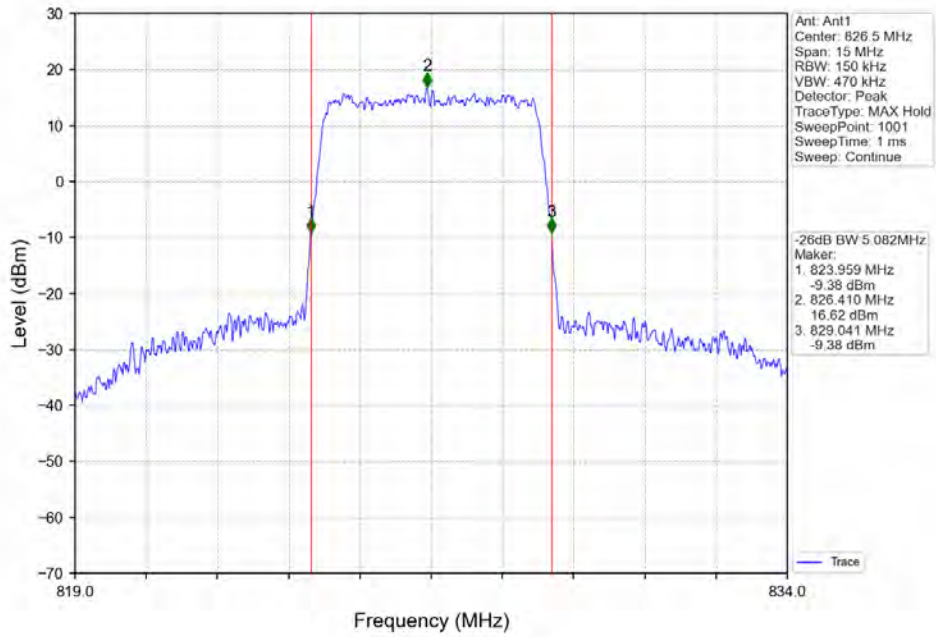




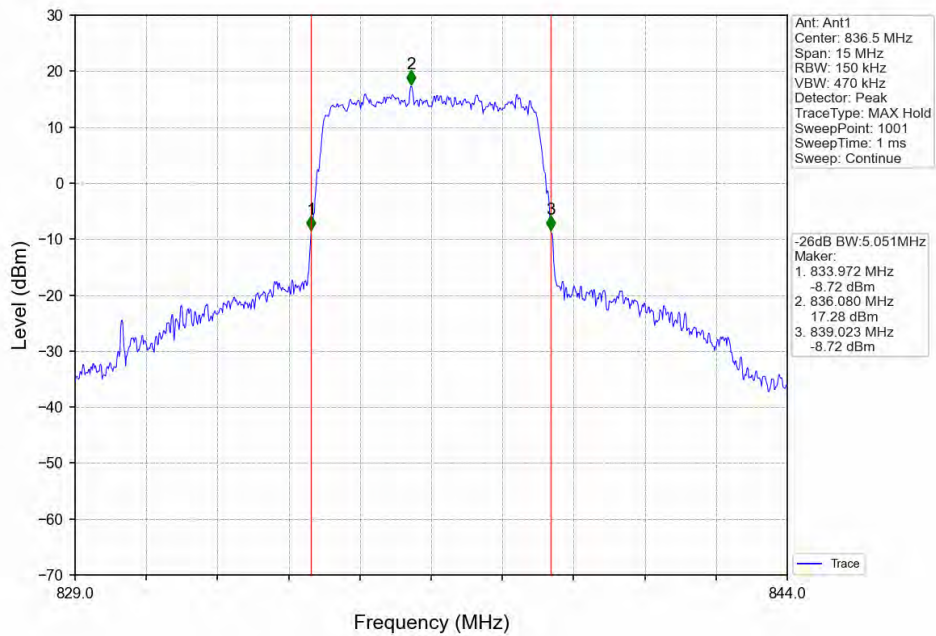
BUREAU VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV

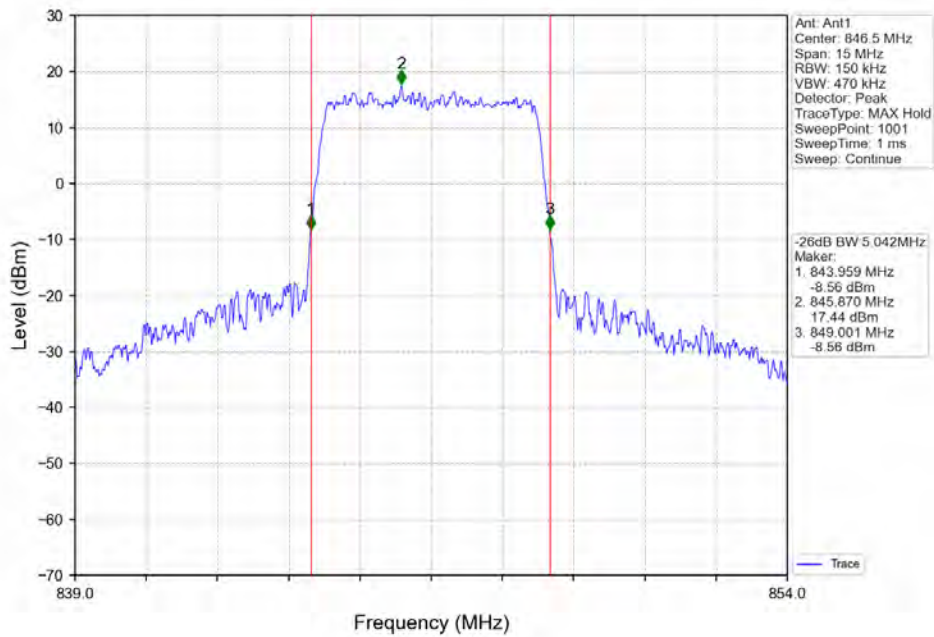




BUREAU
VERITAS

Test Report No.: W7L-P21100018-2RF04

Band5_5MHz_64QAM_HCH_846.5MHz_RB_25_0_NTNV



Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

