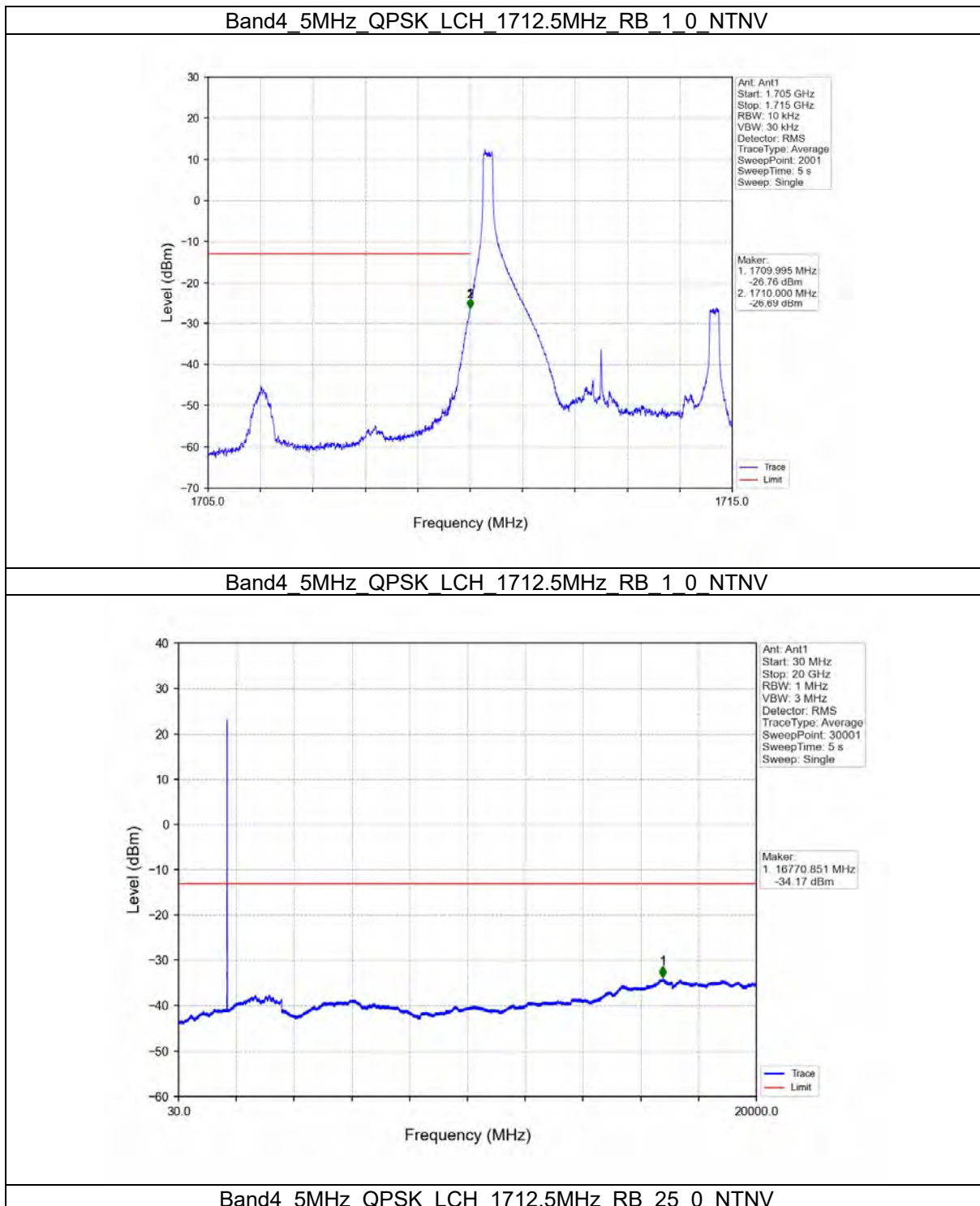


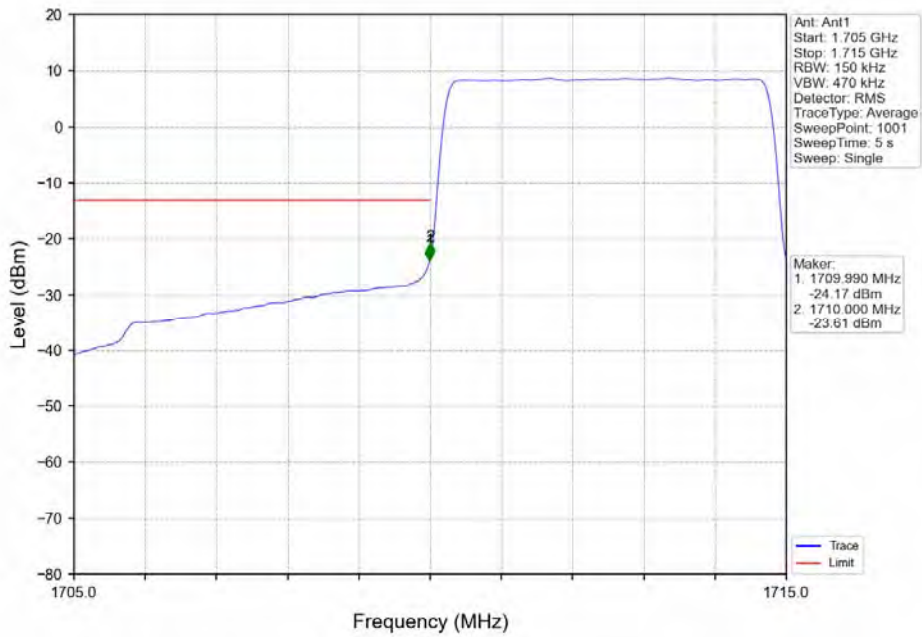
Test Graph



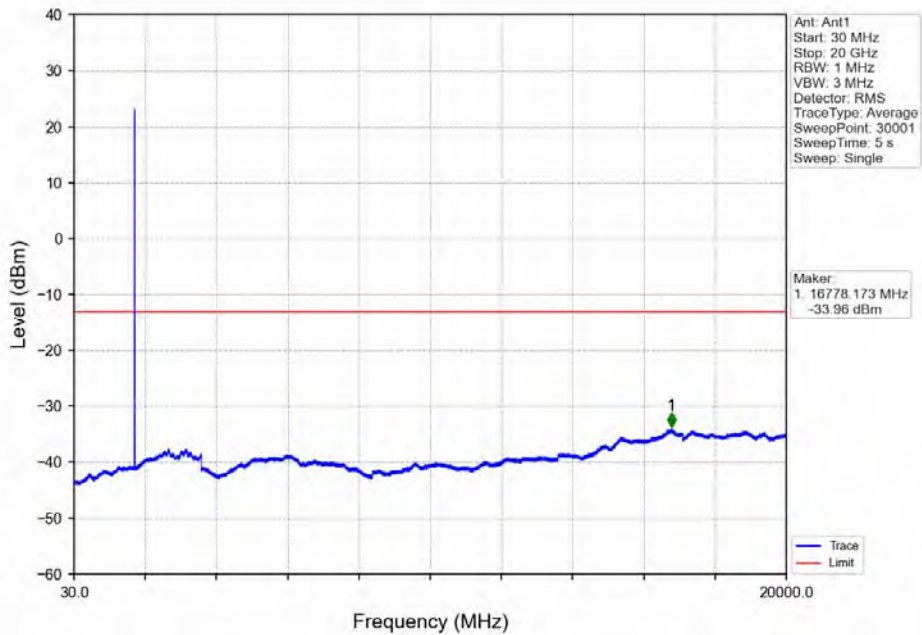


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

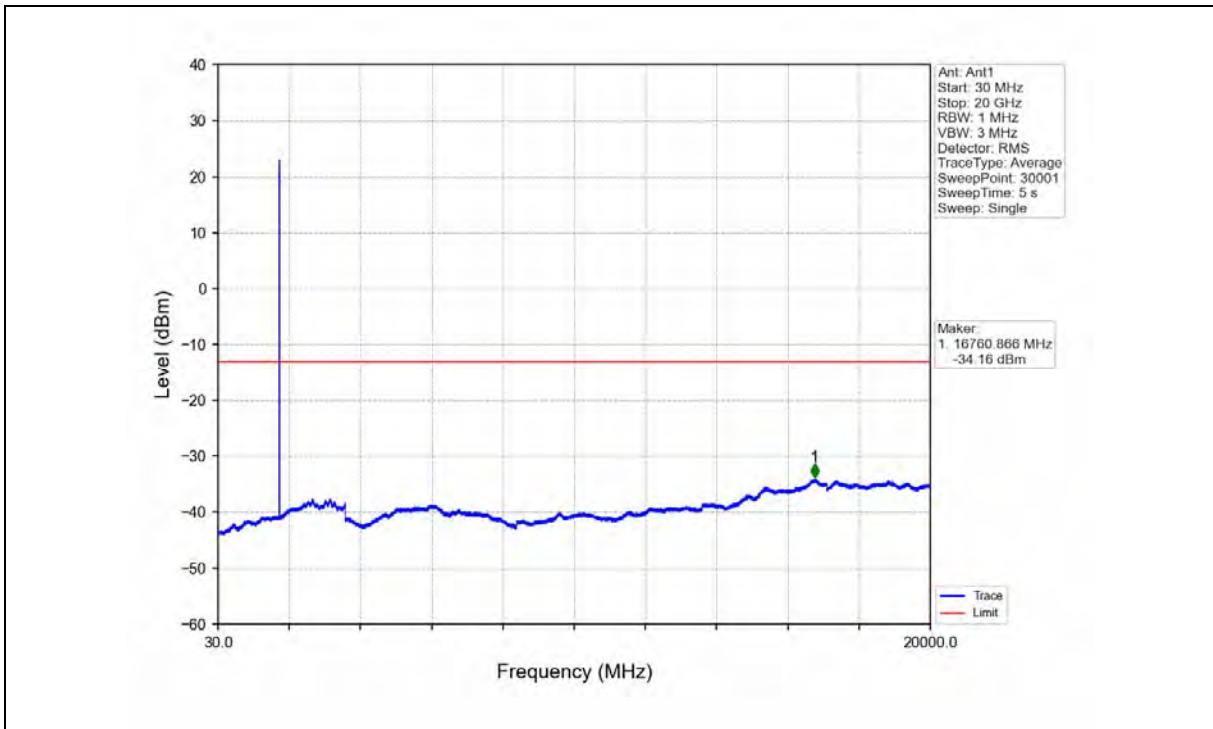


Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV

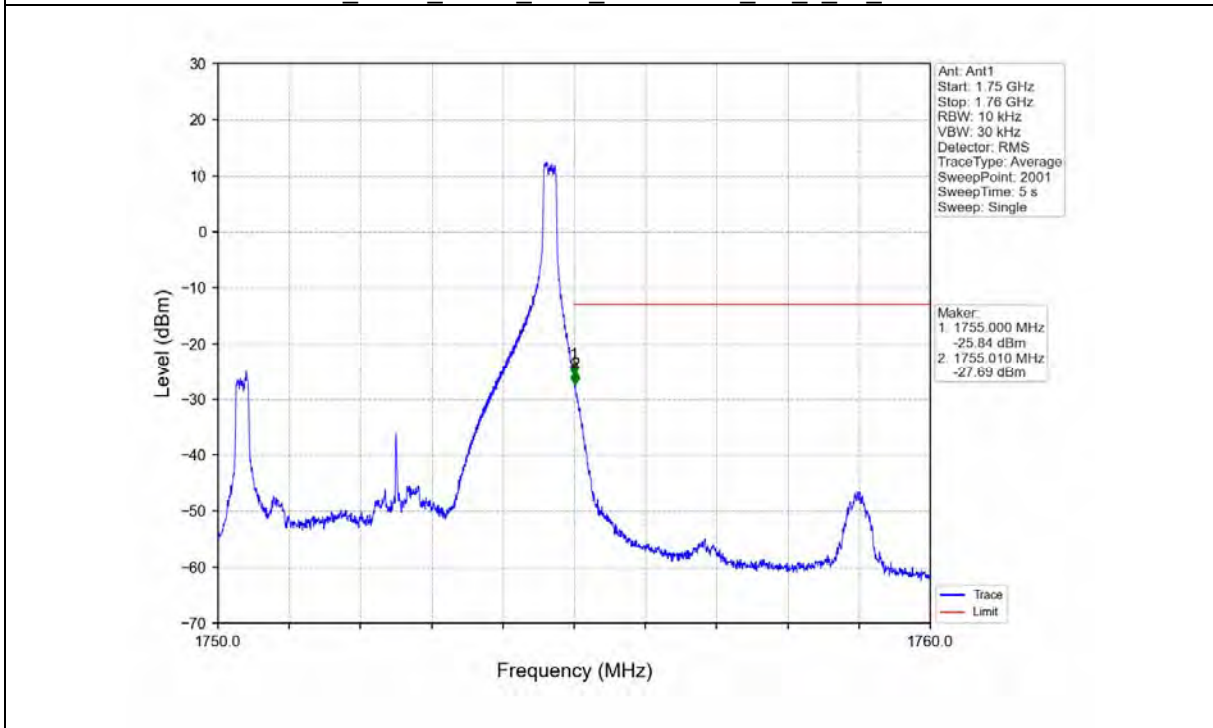


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_24\_NTNV

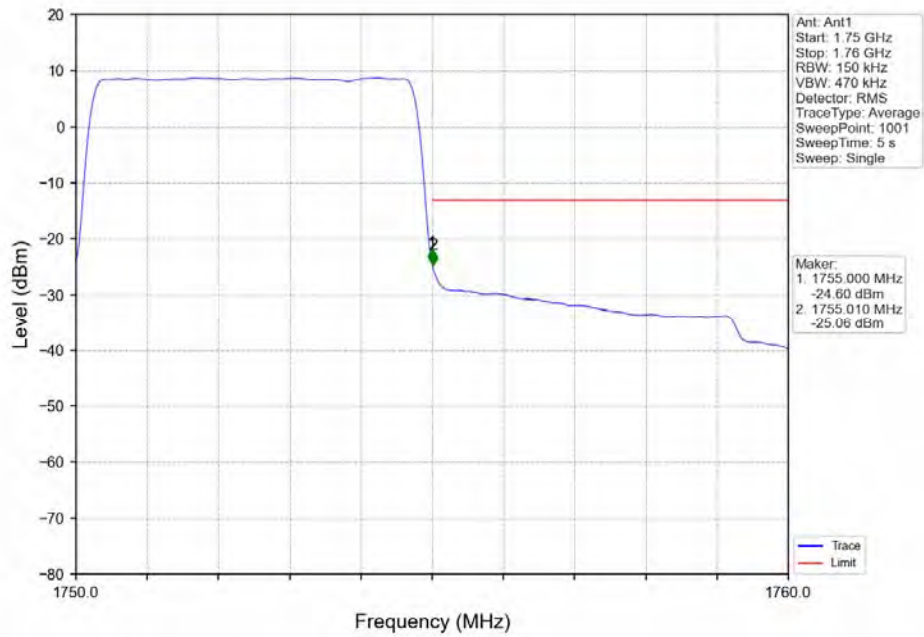


Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV

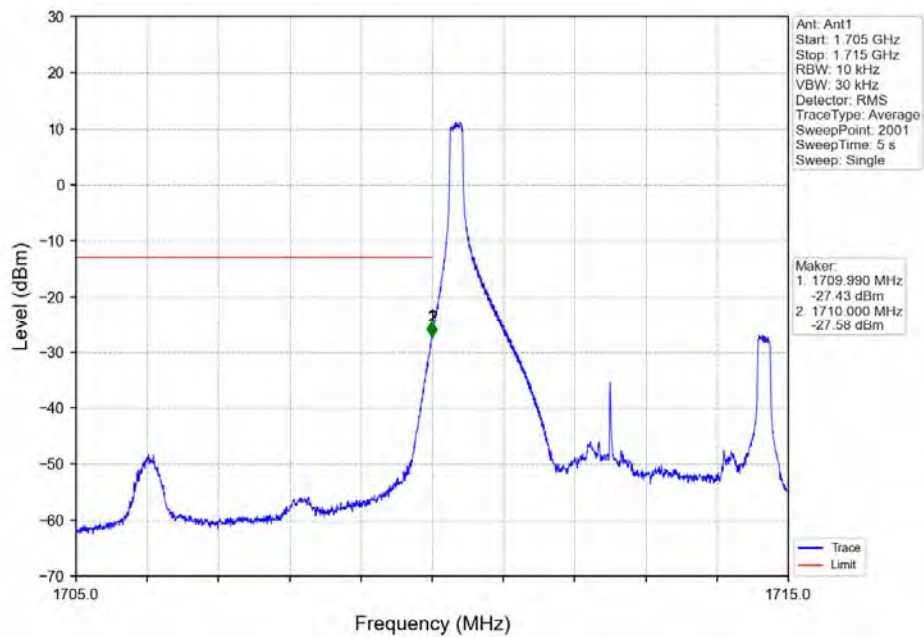


BUREAU  
VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV

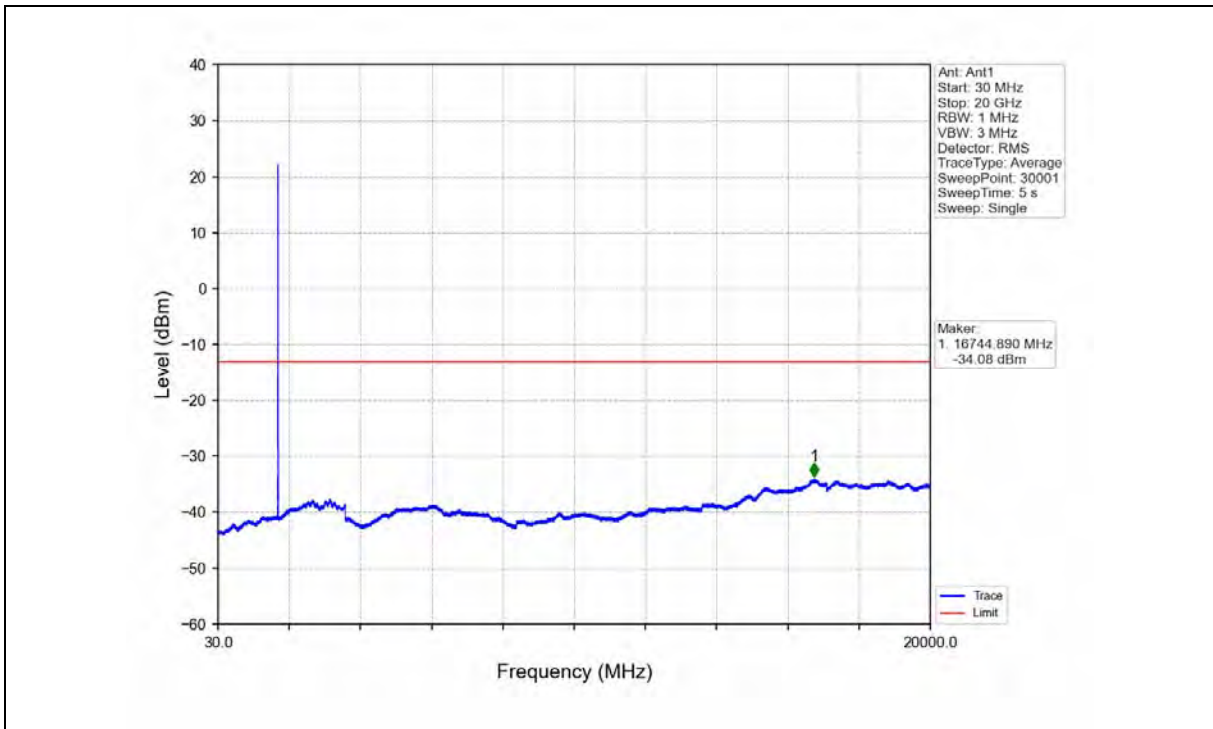


Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV

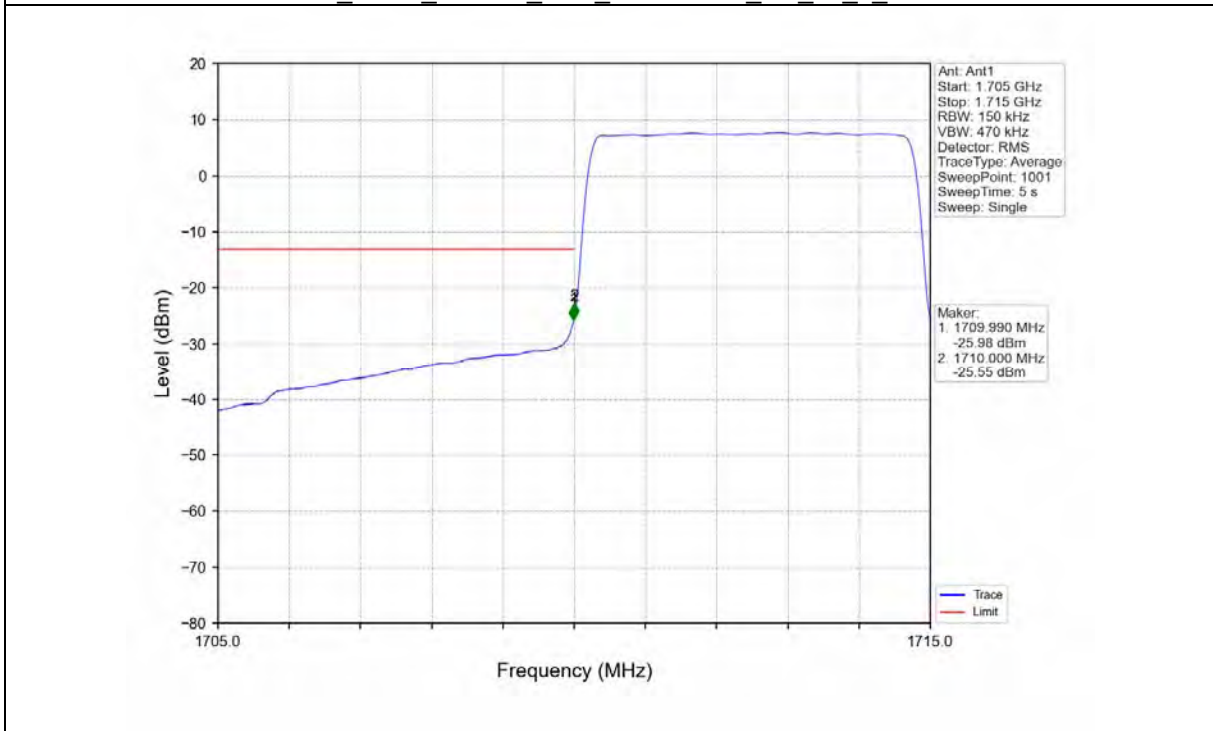


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV

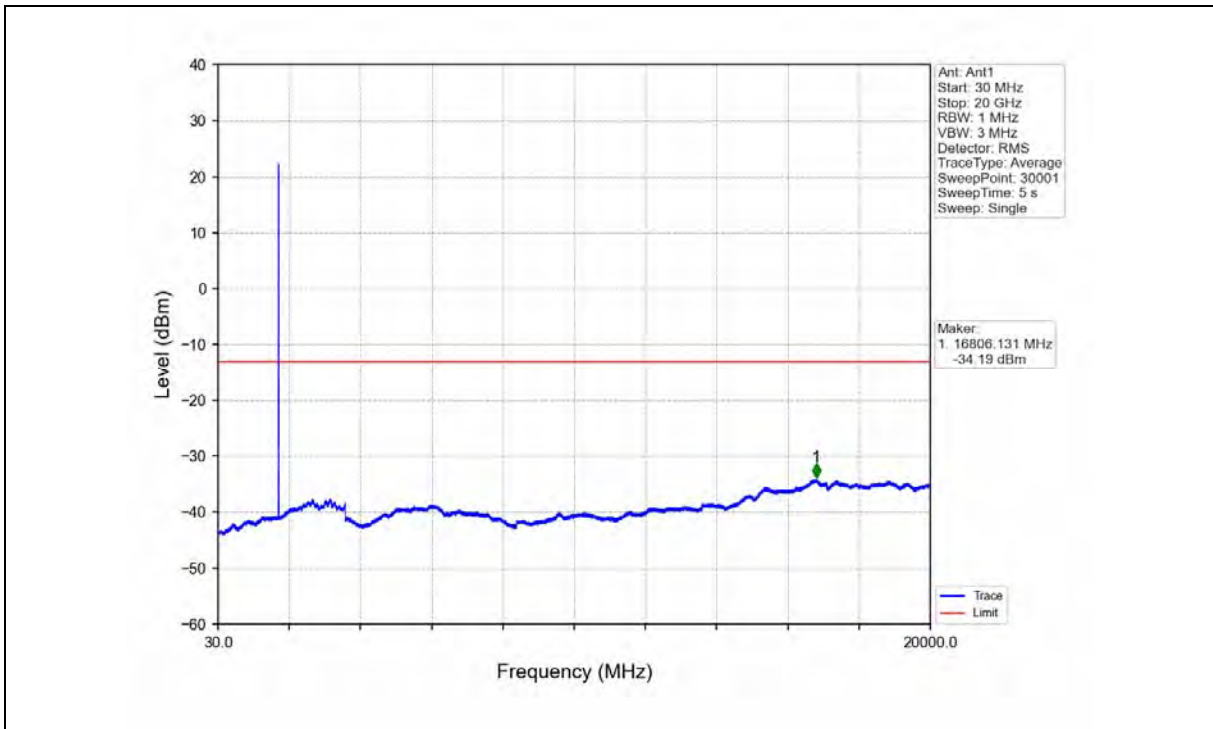


Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

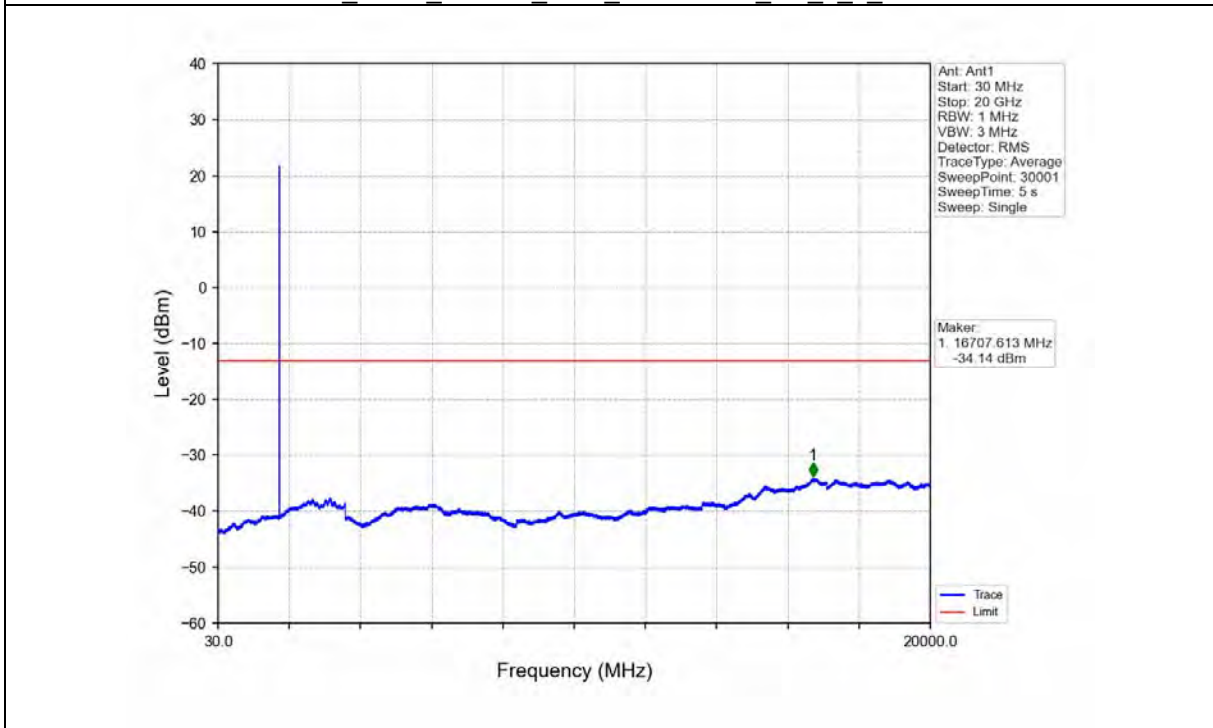


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV

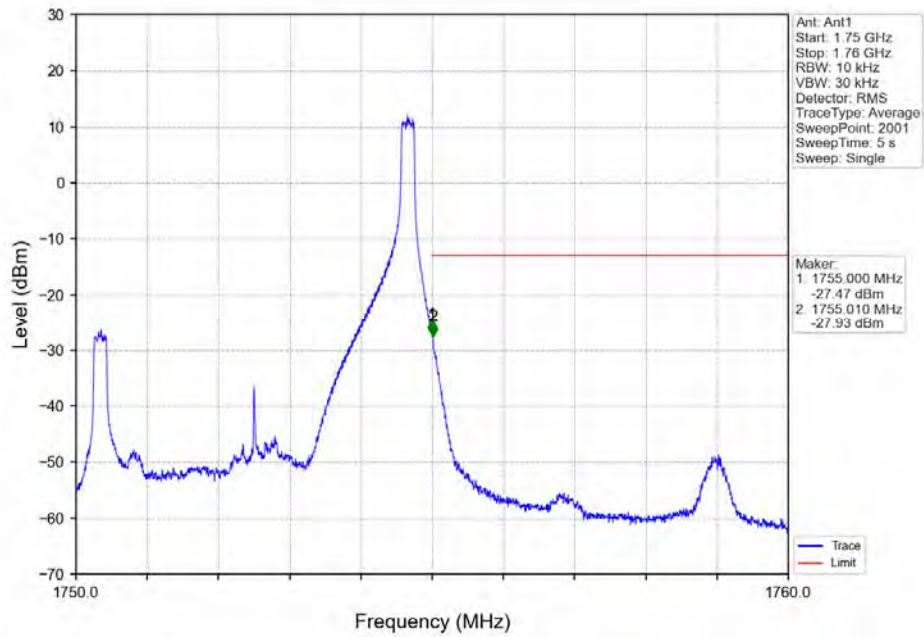


Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_1\_24\_NTNV

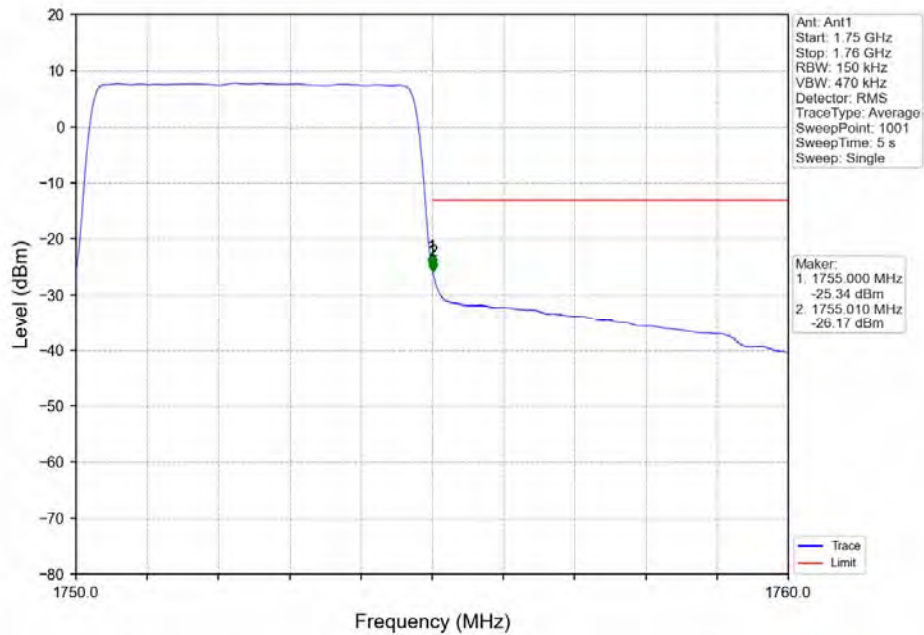


BUREAU  
VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV

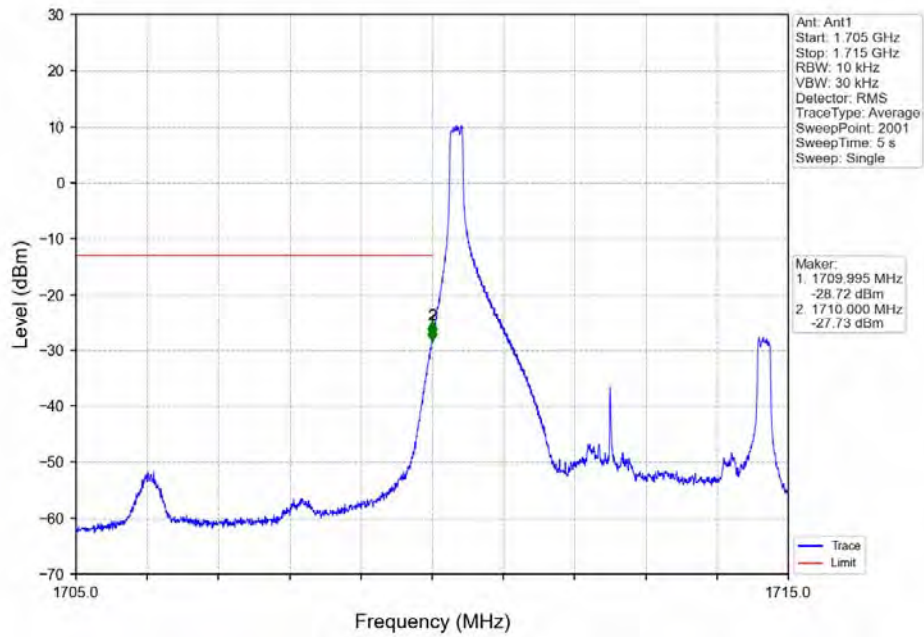


Band4\_5MHz\_64QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV

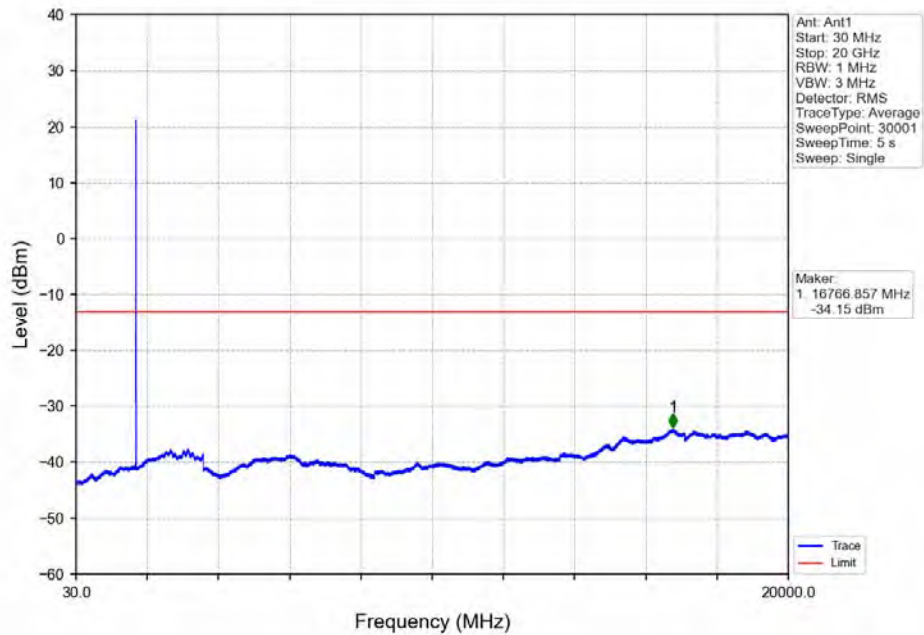


BUREAU  
VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_5MHz\_64QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV



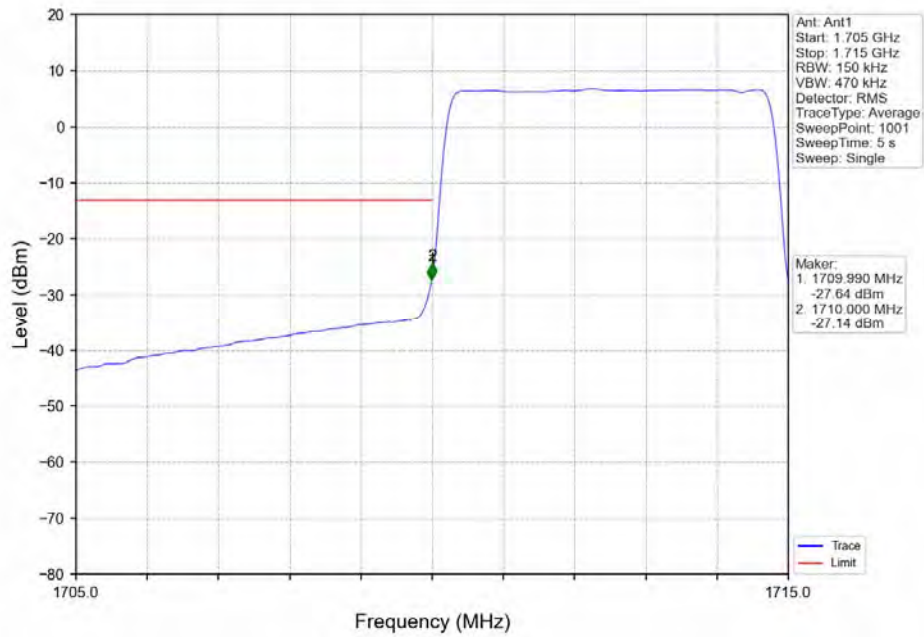
Band4\_5MHz\_64QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



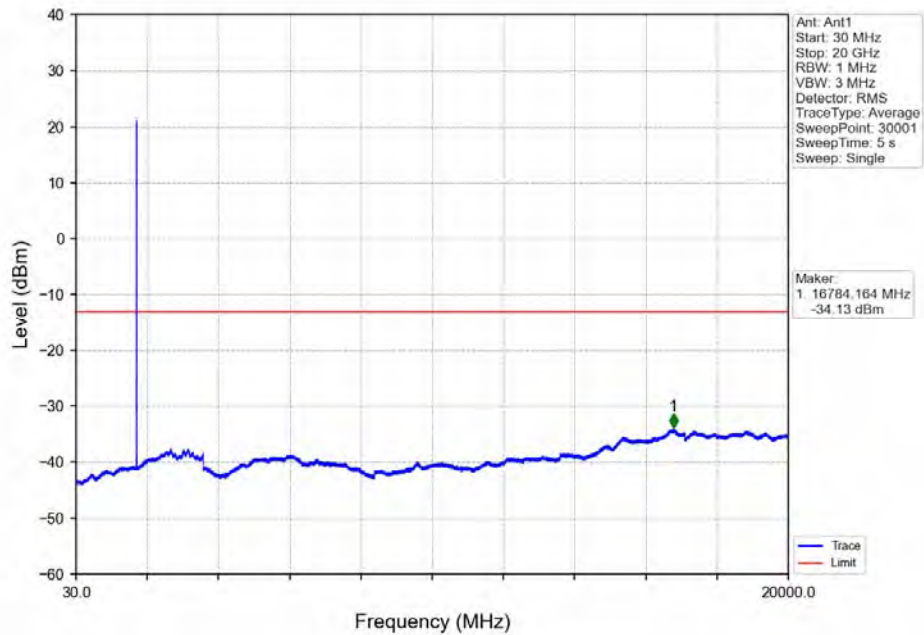


BUREAU  
VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_5MHz\_64QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

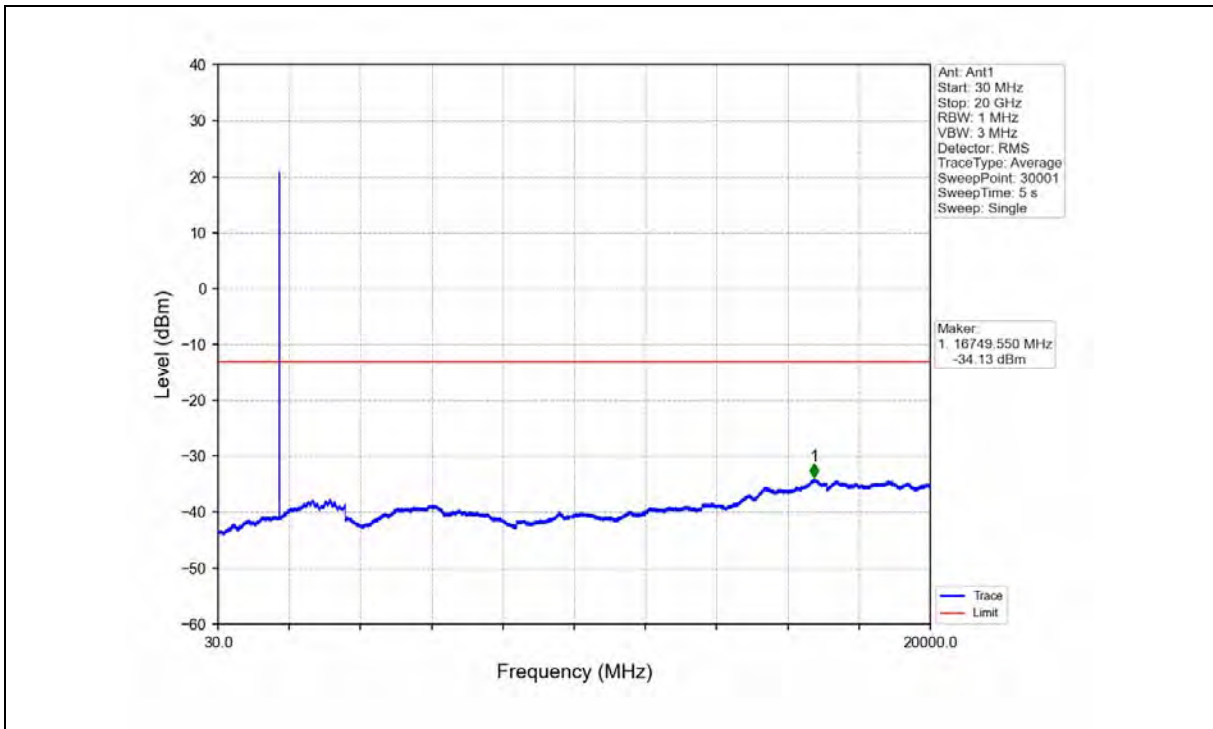


Band4\_5MHz\_64QAM\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV

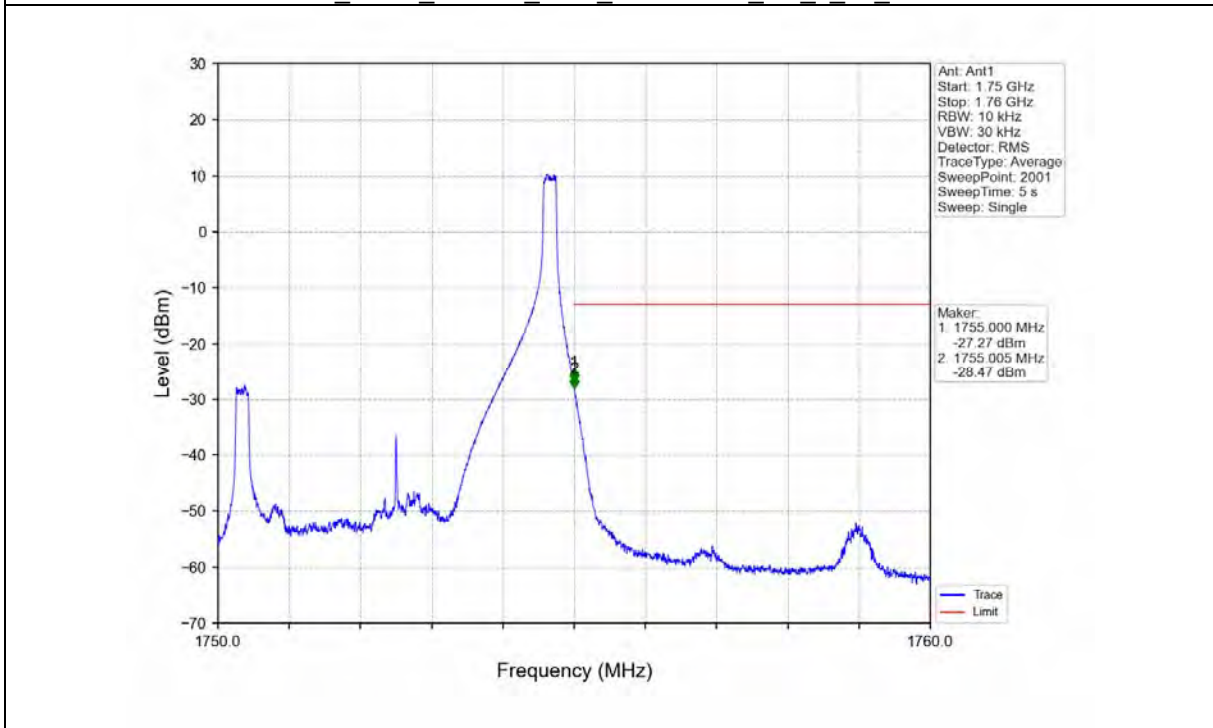


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_5MHz\_64QAM\_HCH\_1752.5MHz\_RB\_1\_24\_NTNV

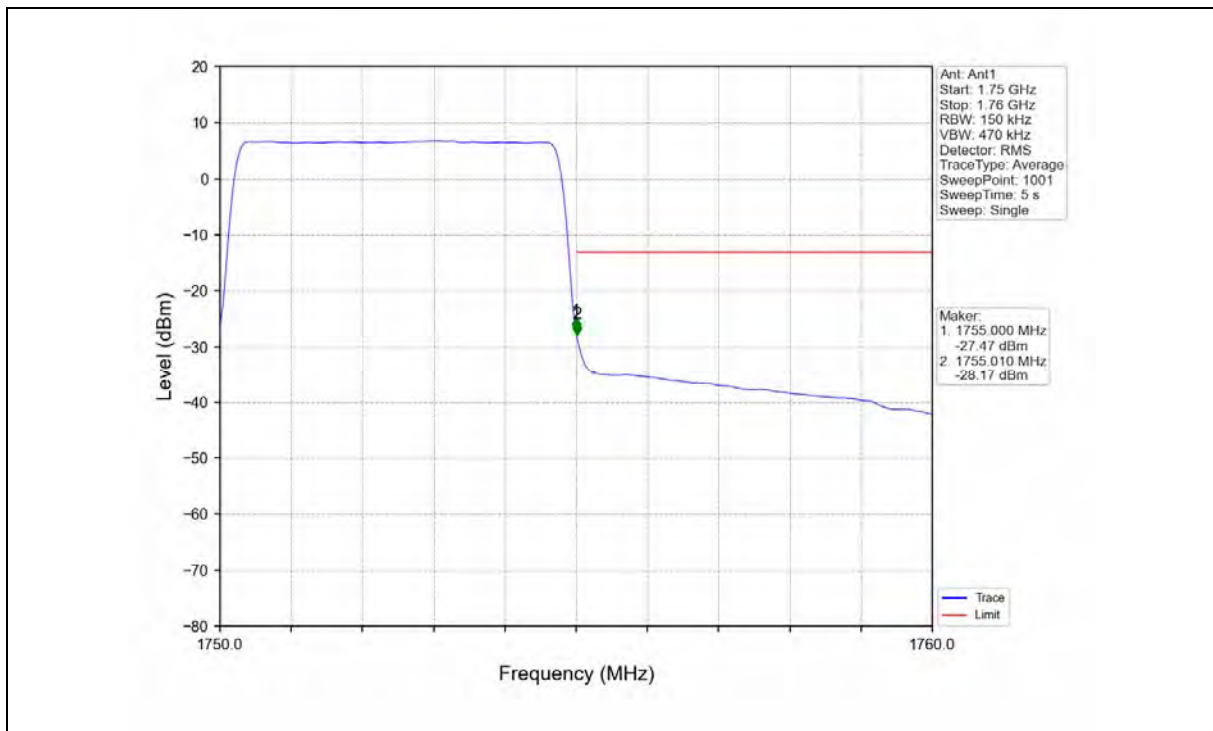


Band4\_5MHz\_64QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



BUREAU  
VERITAS

Test Report No.: W7L-220503W001RF06





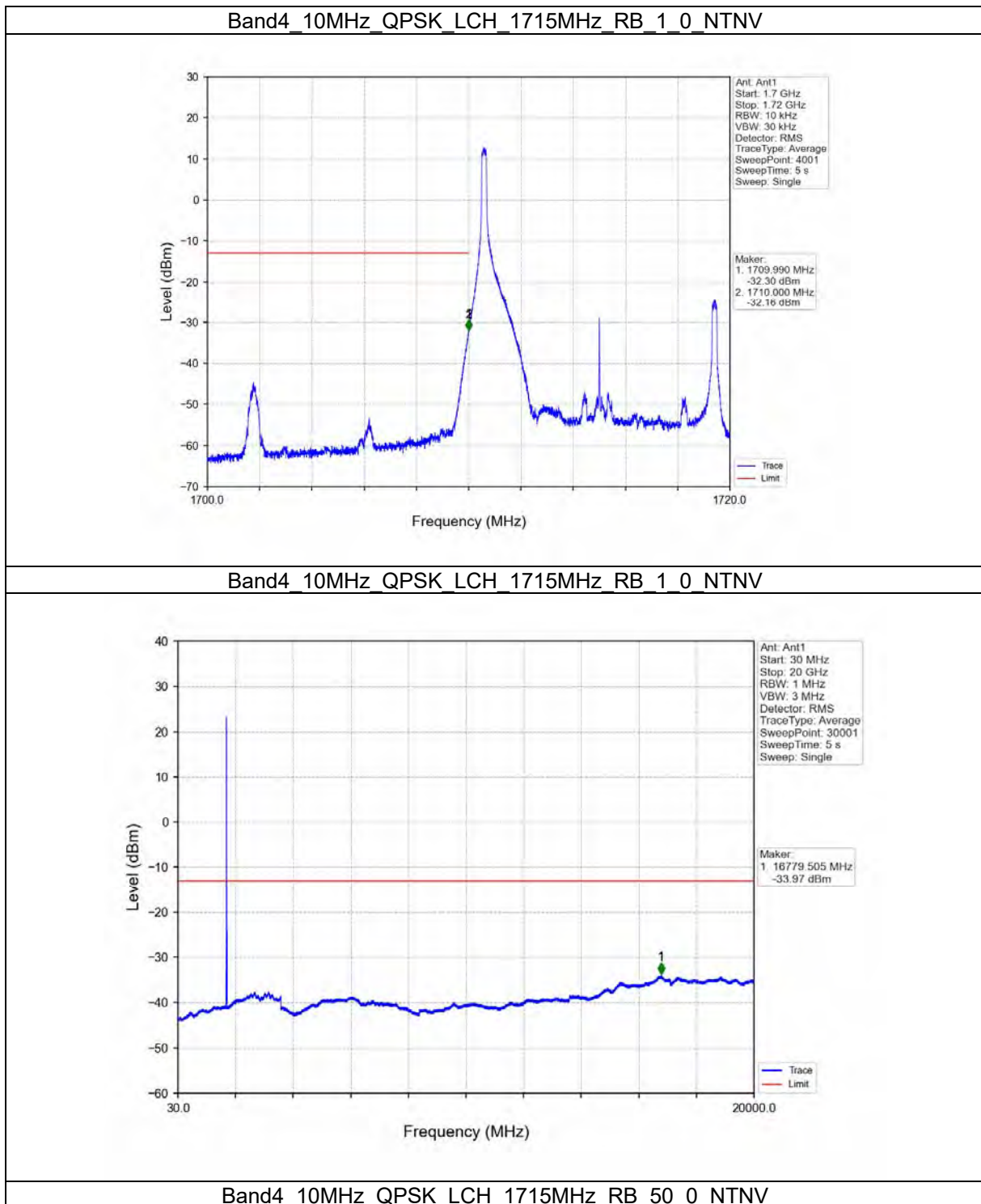
Test Report No.: W7L-220503W001RF06

B4\_10MHz

Test Result

Band: 4 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
64QAM	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

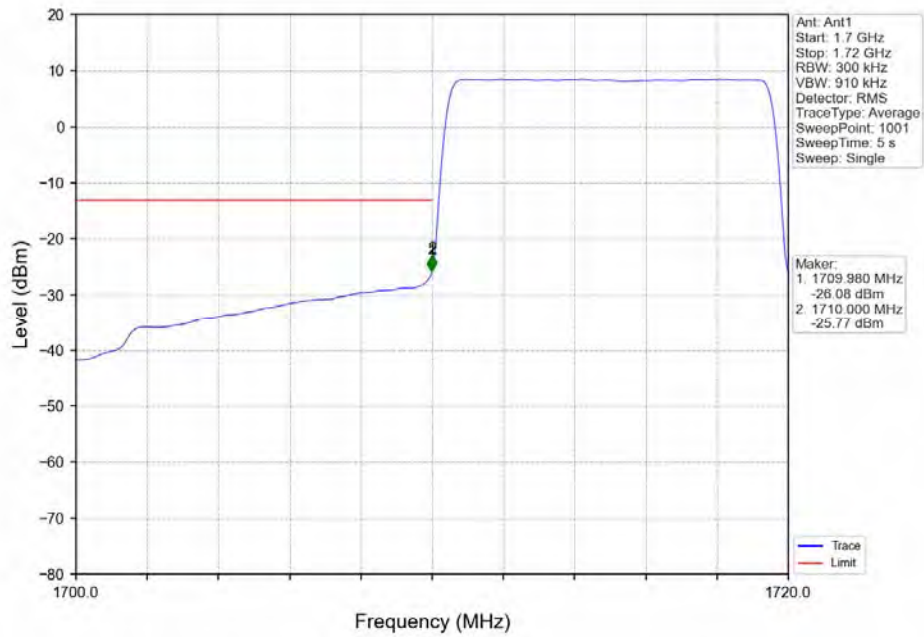
Test Graph



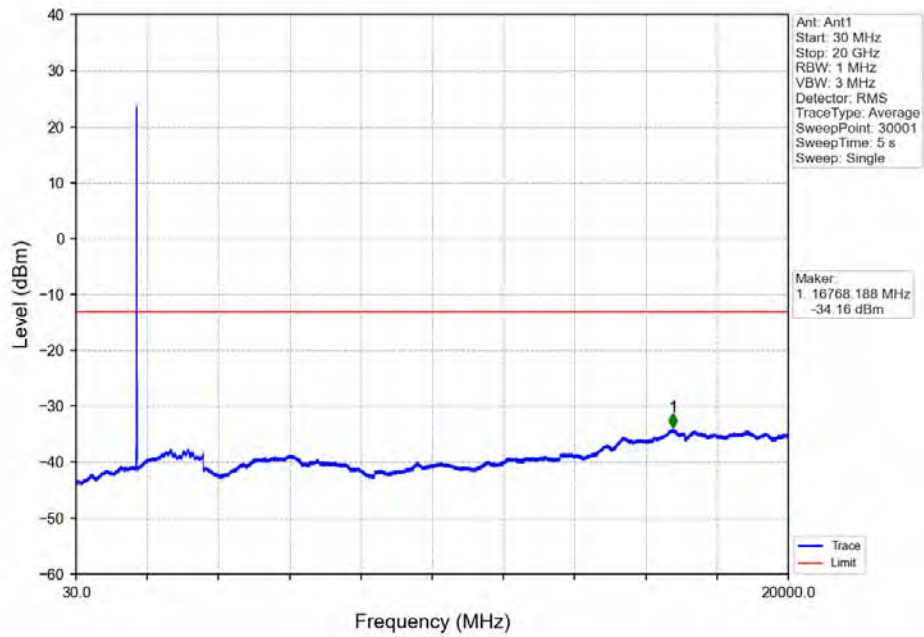


BUREAU  
VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

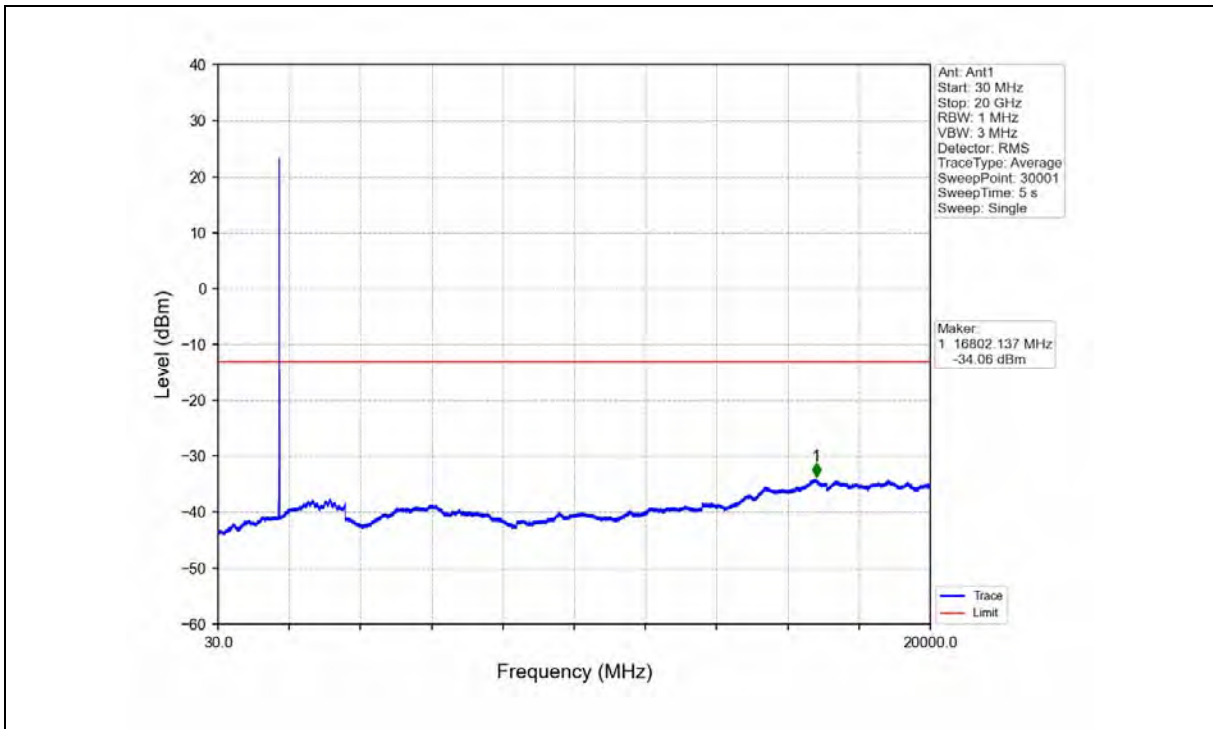


Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_1\_0\_NTNV

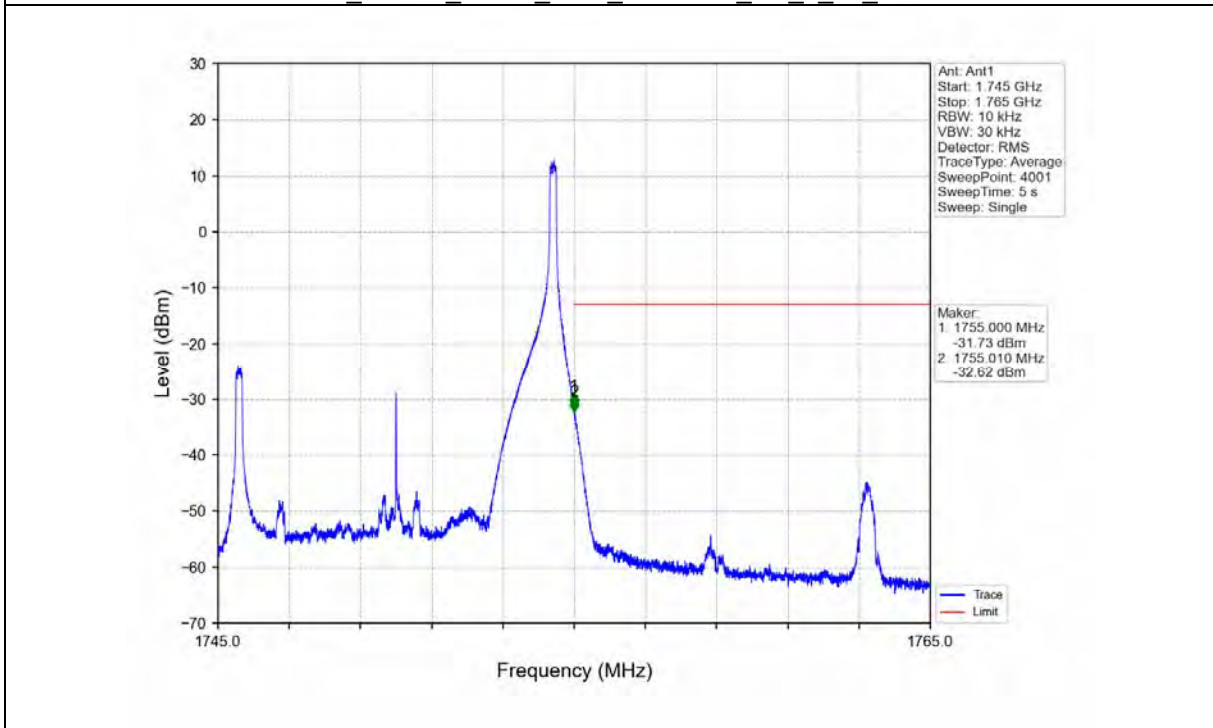


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_1\_49\_NTNV

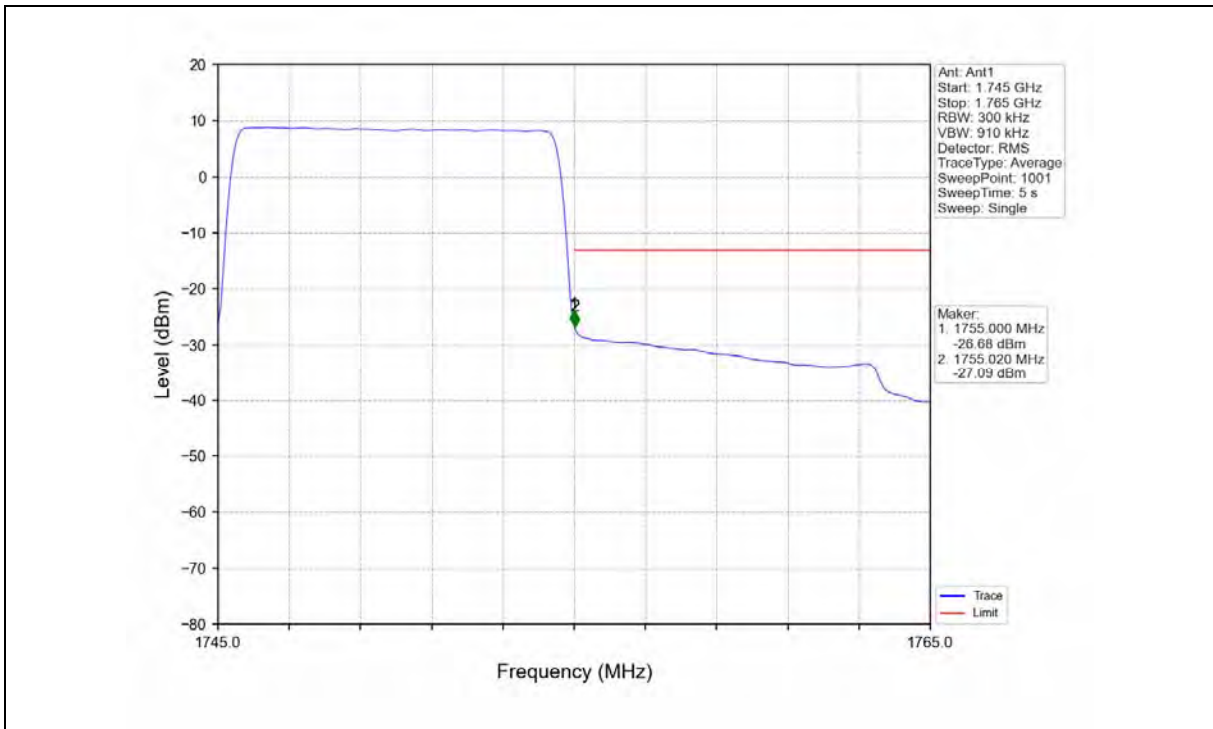


Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_50\_0\_NTNV

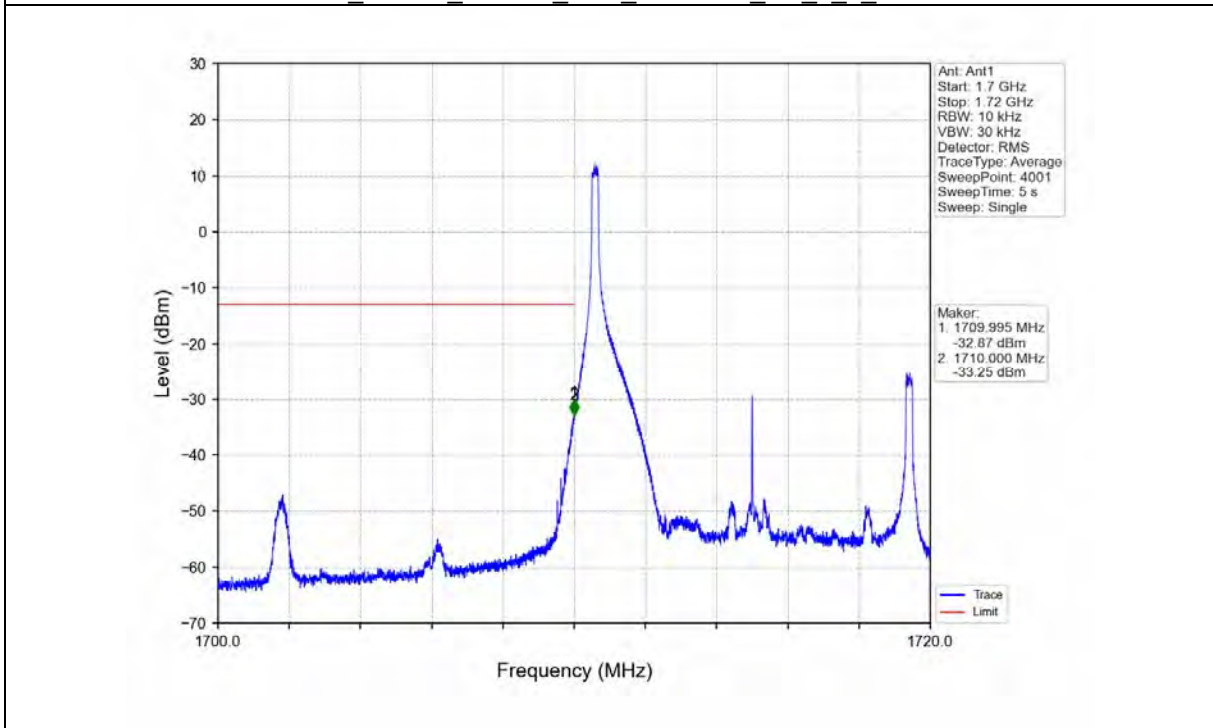


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VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV



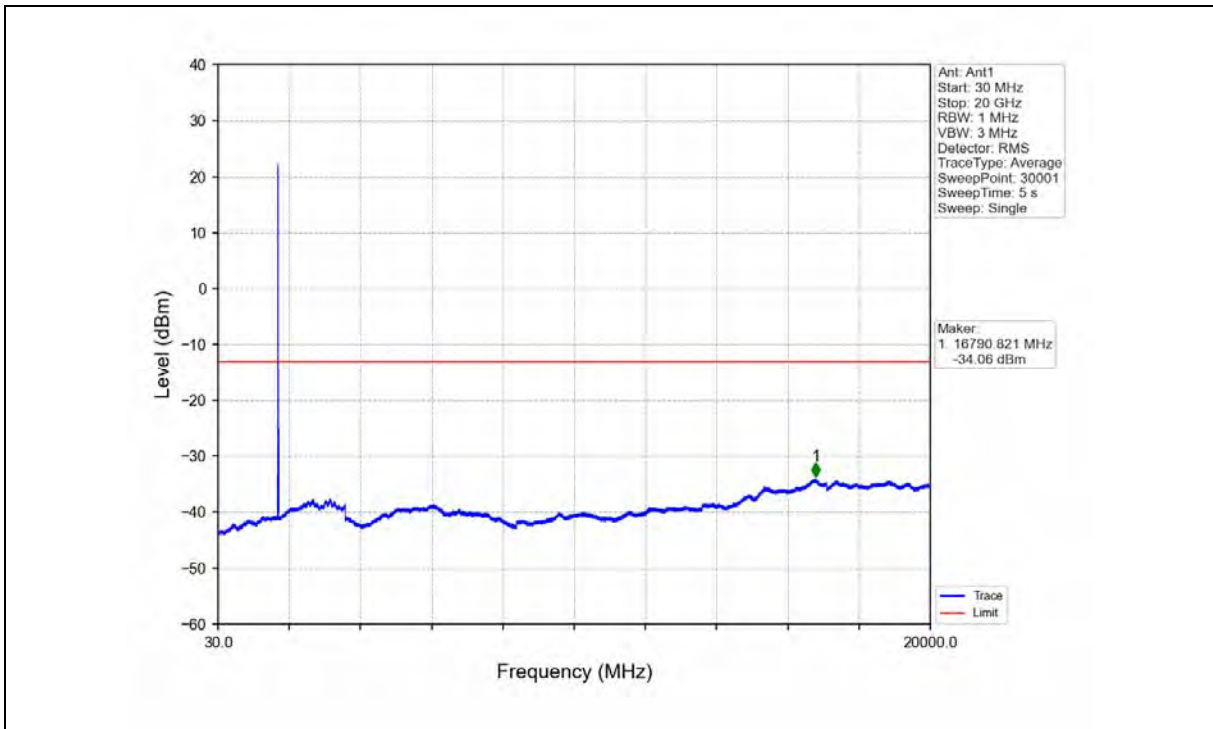
Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV



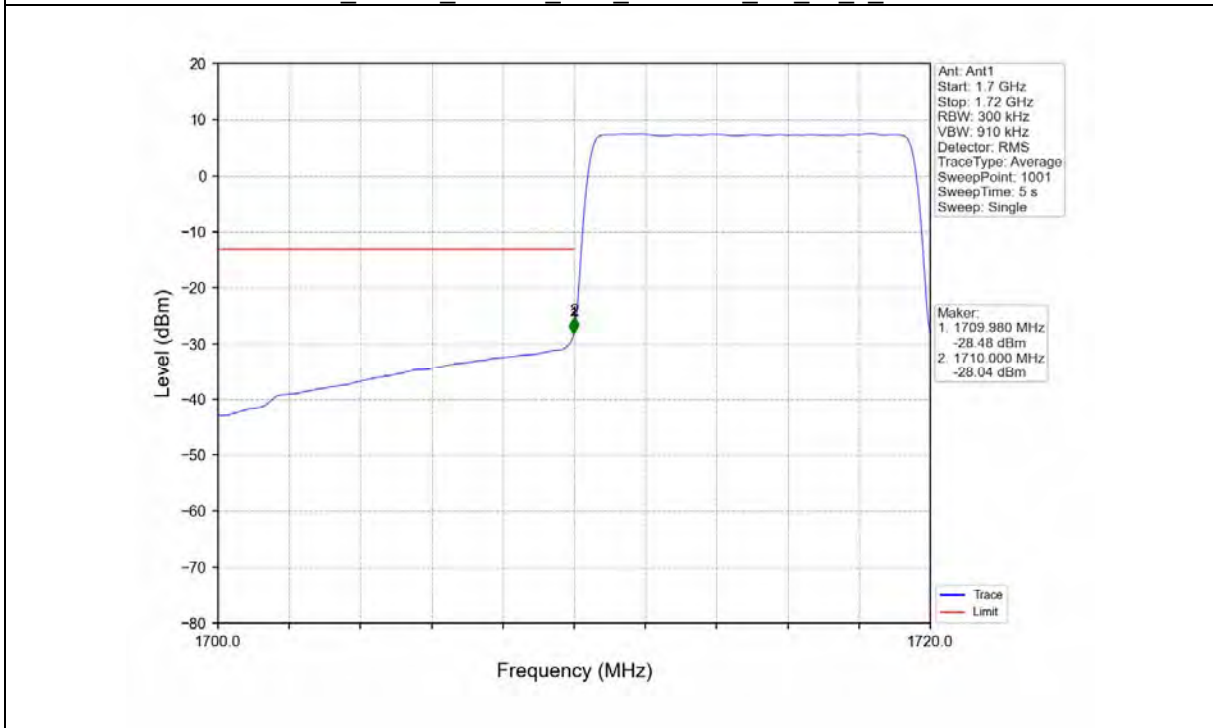


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV

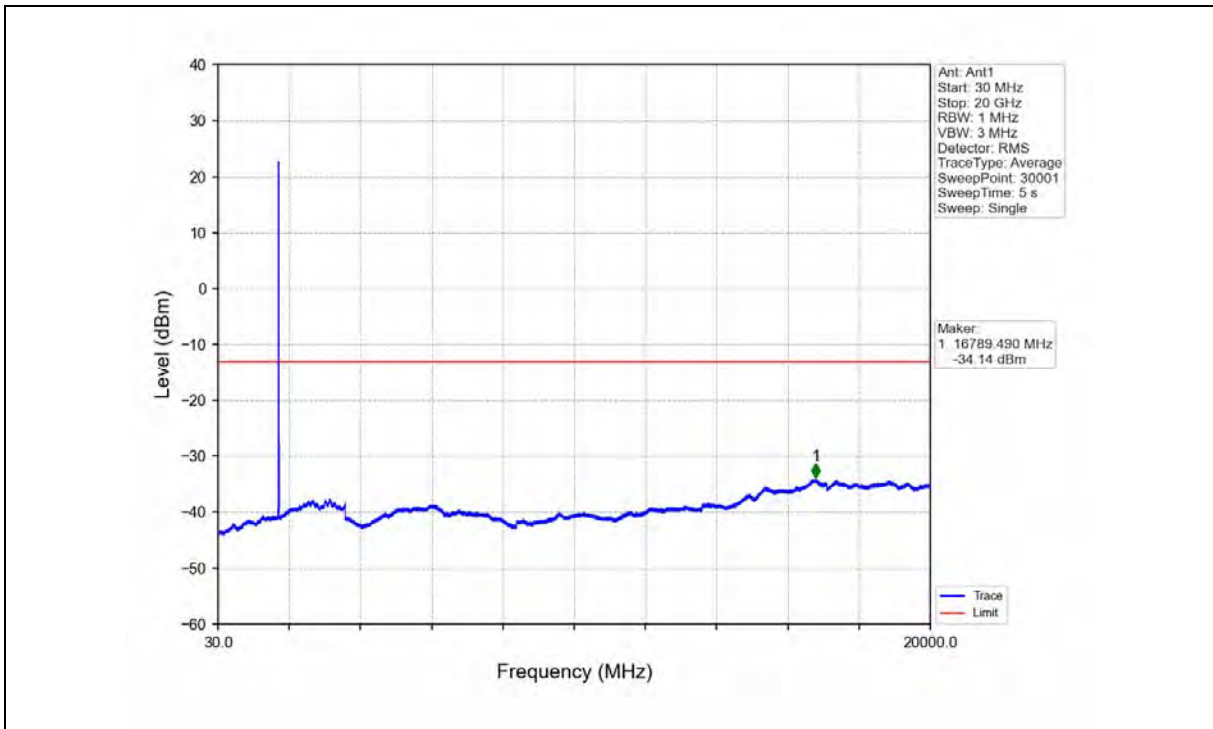


Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

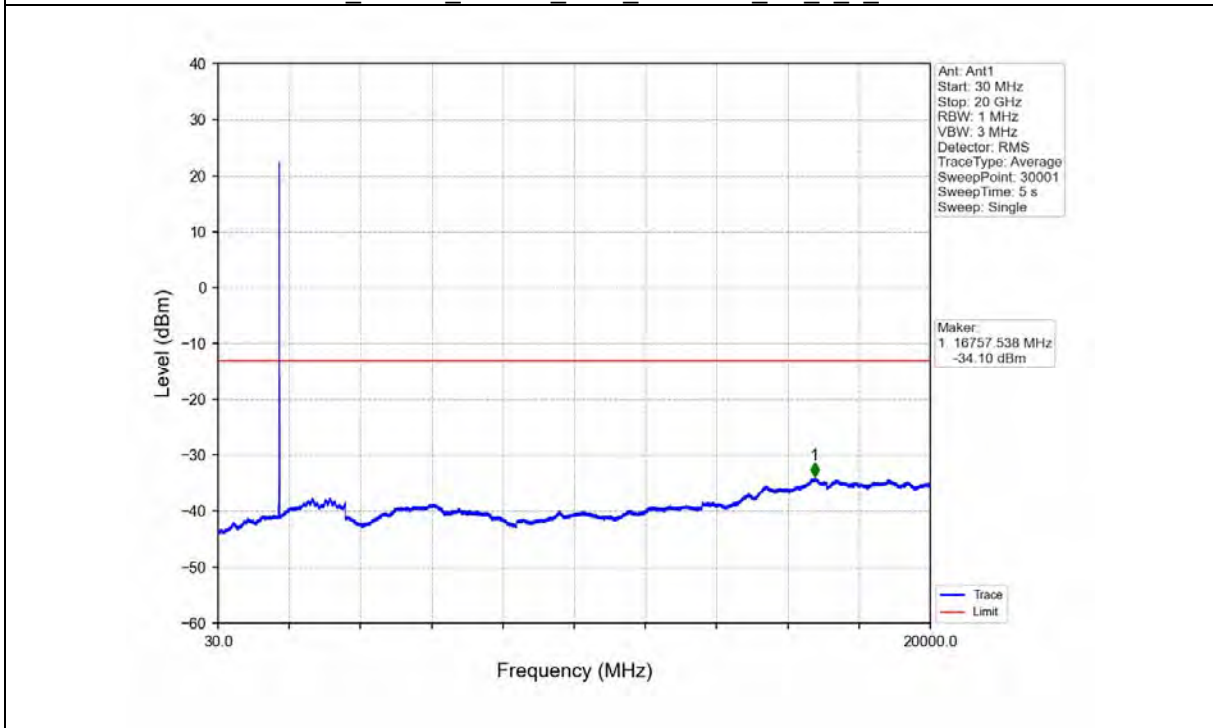


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_1\_0\_NTNV

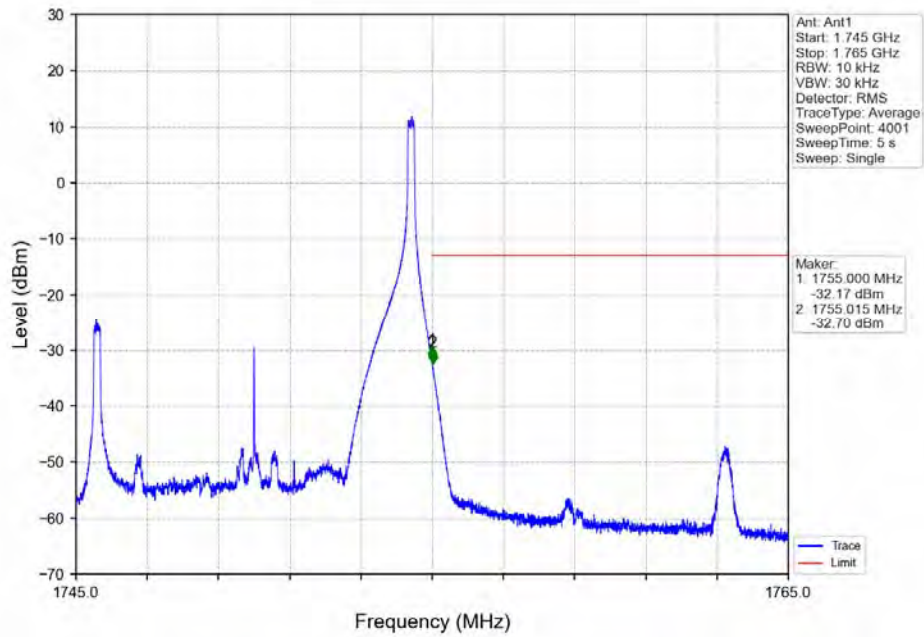


Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_1\_49\_NTNV

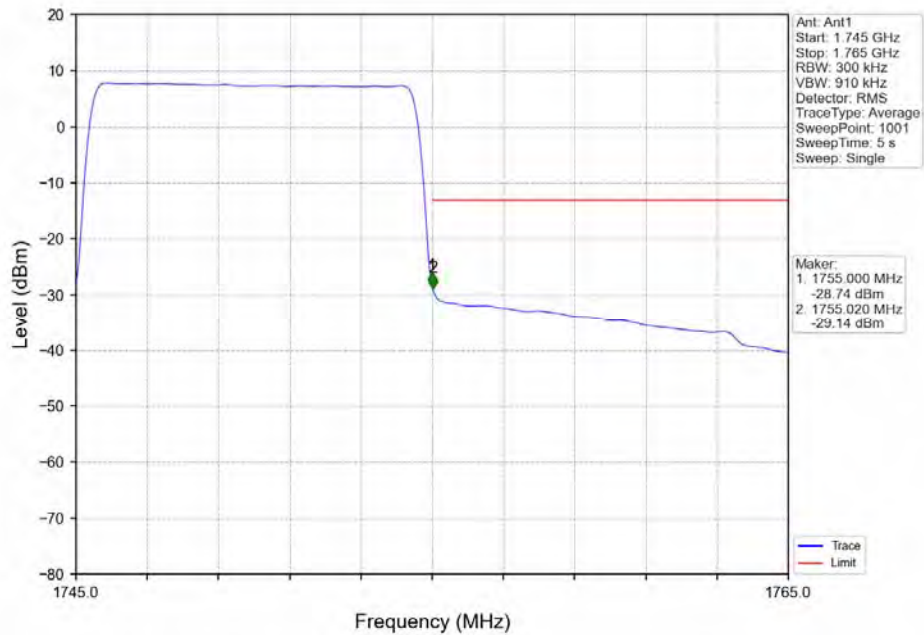


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_50\_0\_NTNV

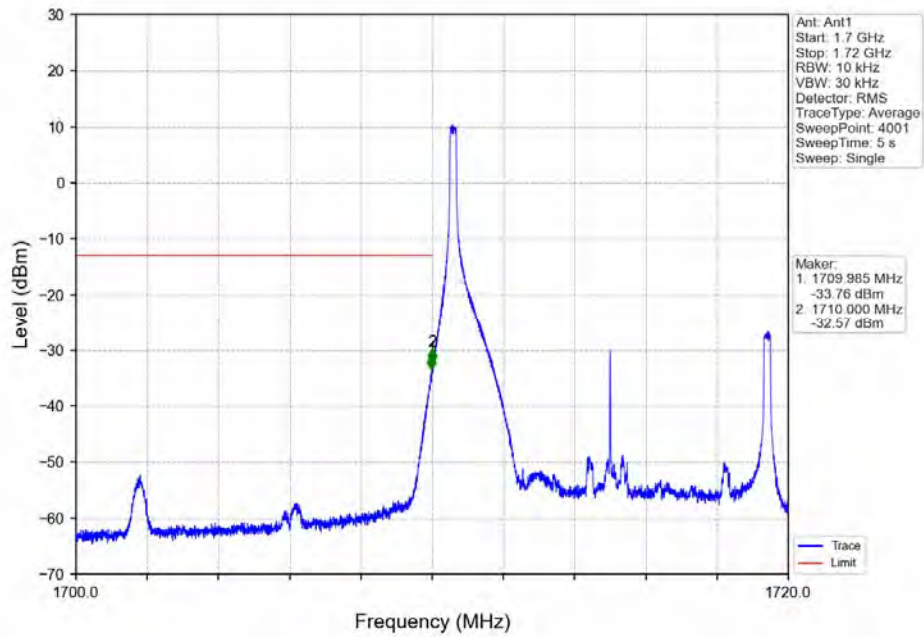


Band4\_10MHz\_64QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV

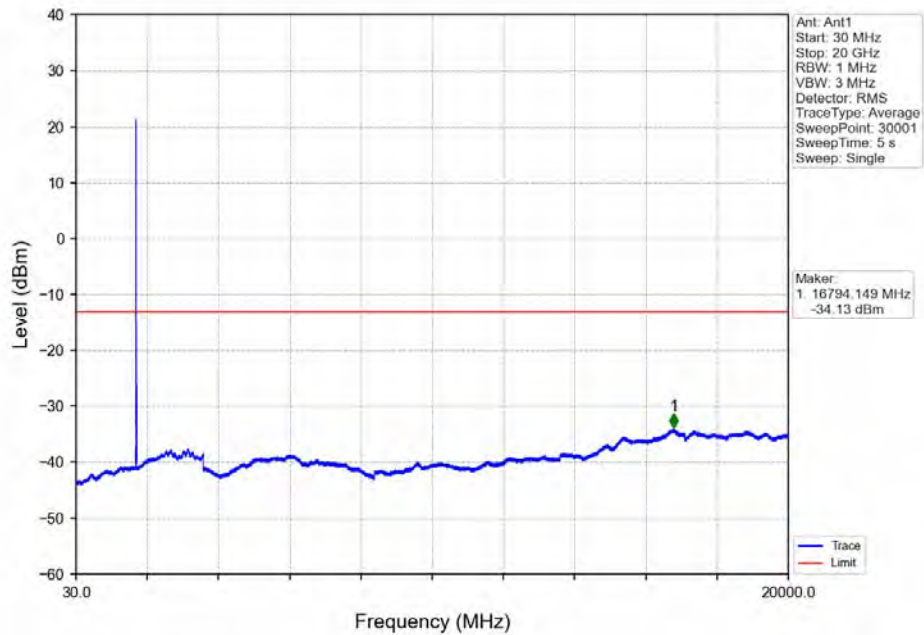


BUREAU  
VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_10MHz\_64QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV

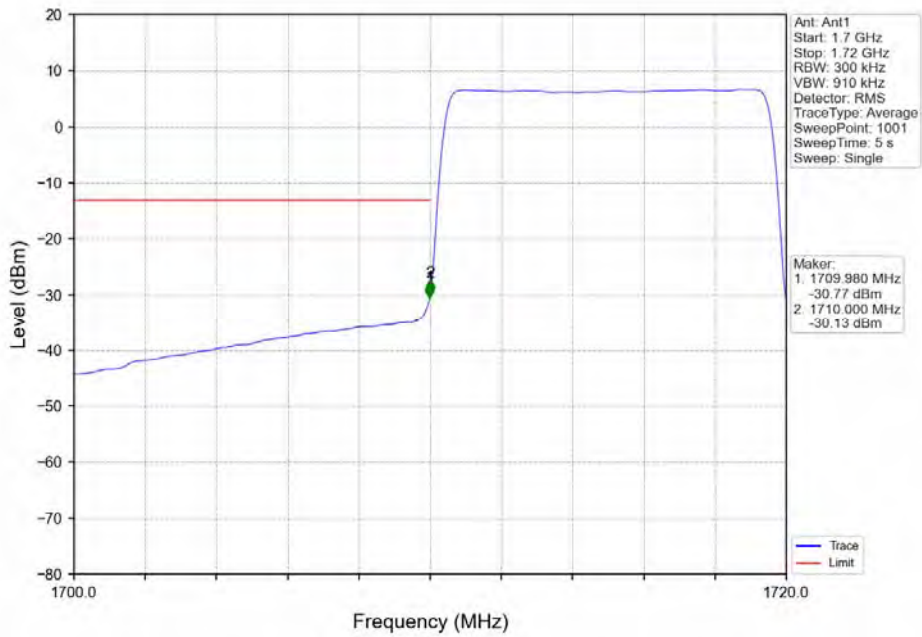


Band4\_10MHz\_64QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV

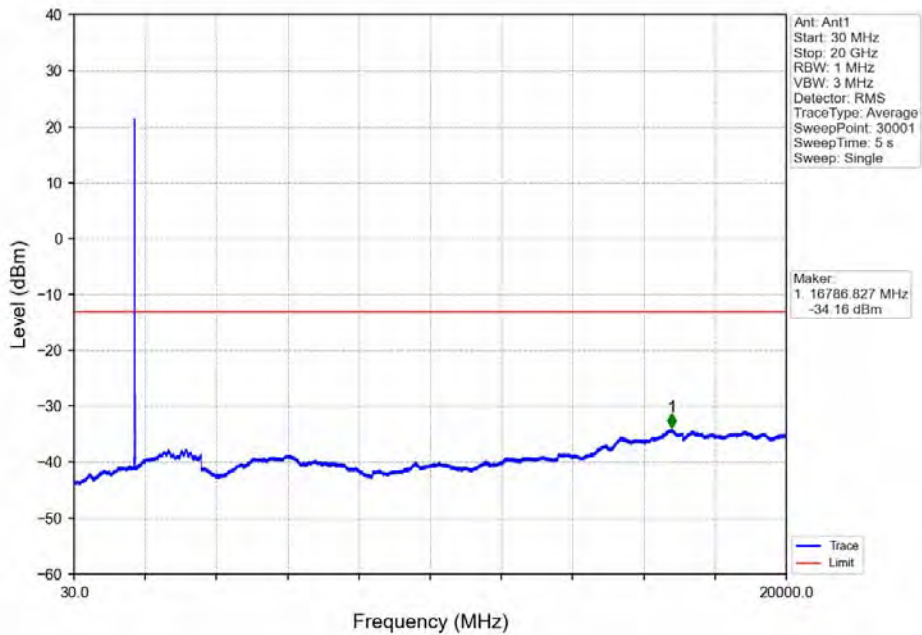


BUREAU  
VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_10MHz\_64QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

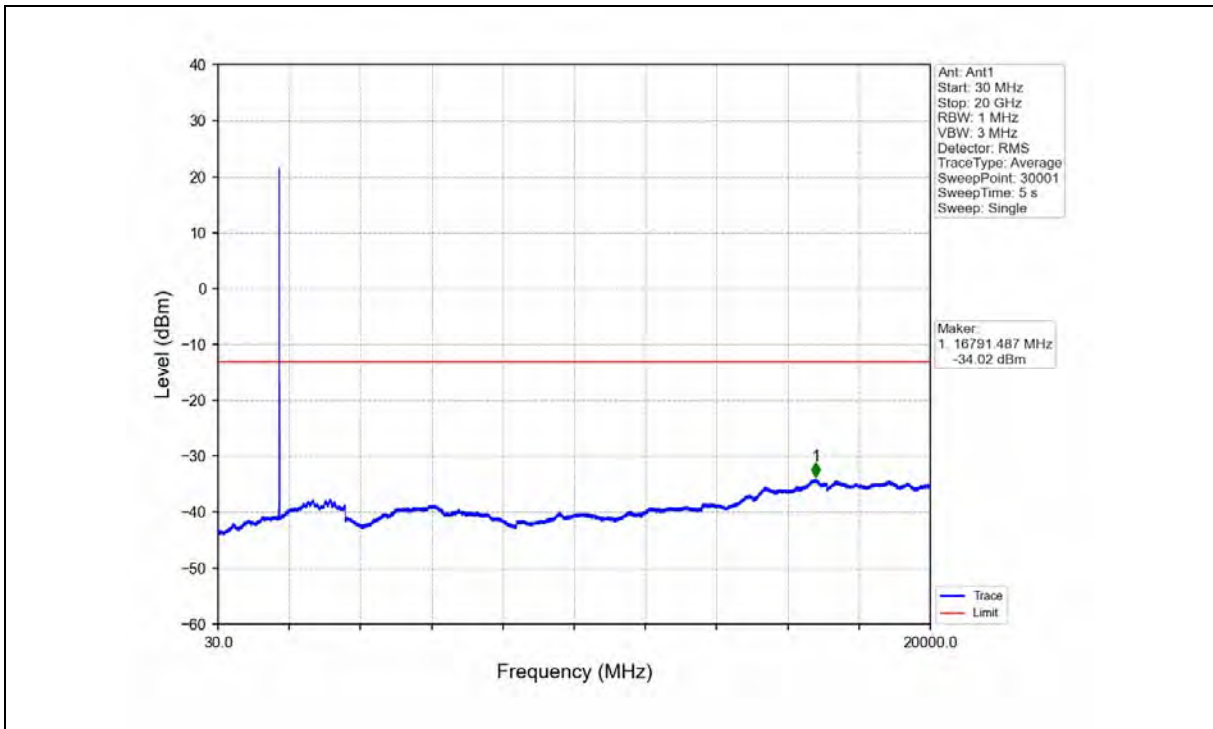


Band4\_10MHz\_64QAM\_HCH\_1750MHz\_RB\_1\_0\_NTNV

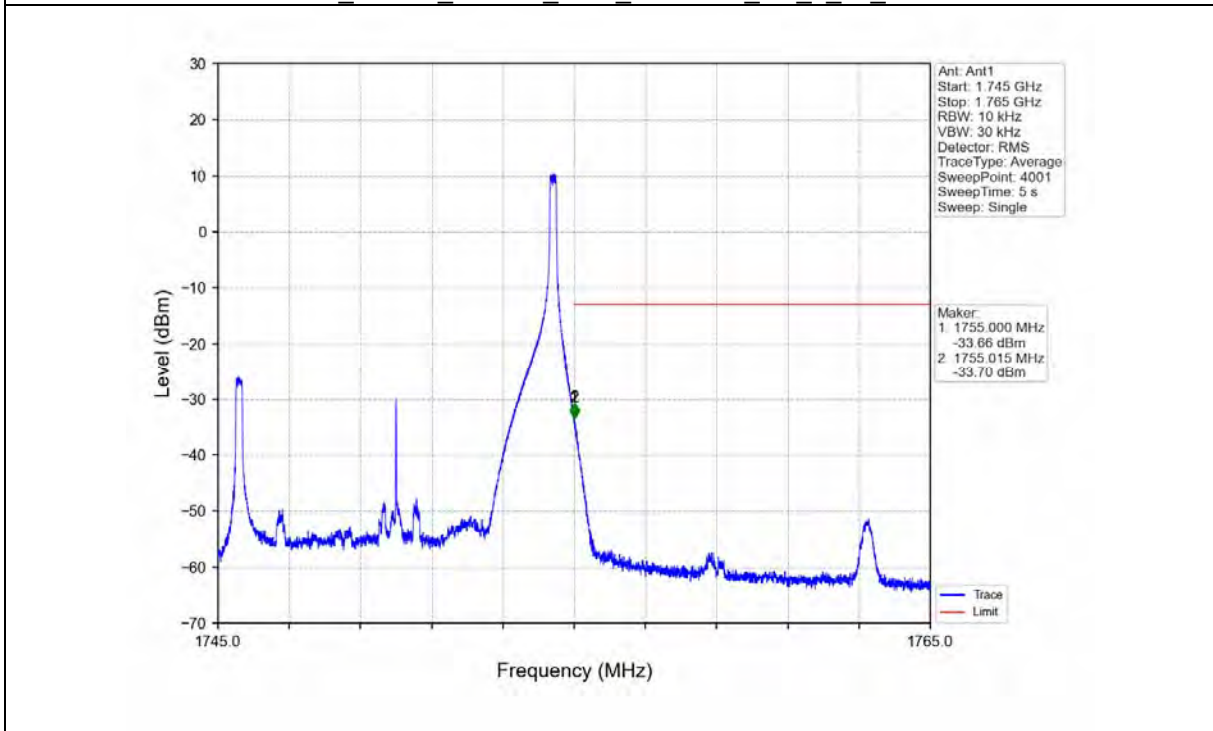


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_10MHz\_64QAM\_HCH\_1750MHz\_RB\_1\_49\_NTNV

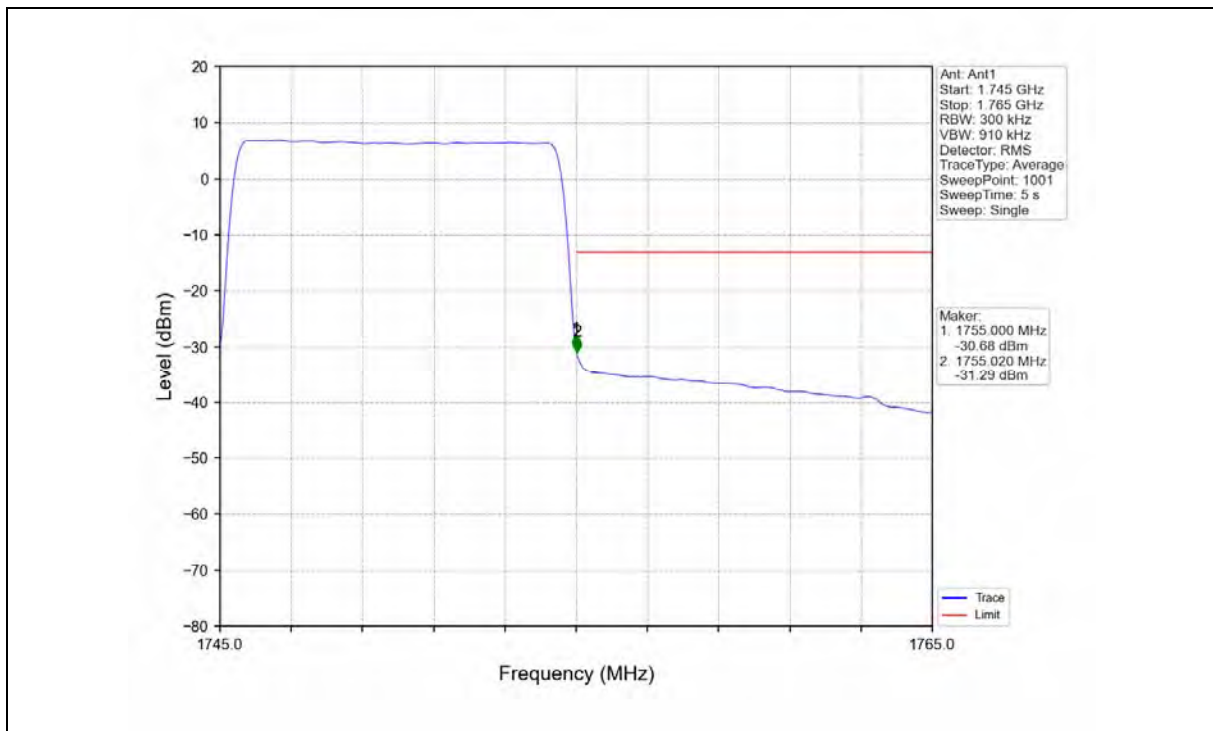


Band4\_10MHz\_64QAM\_HCH\_1750MHz\_RB\_50\_0\_NTNV



BUREAU  
VERITAS

Test Report No.: W7L-220503W001RF06





Test Report No.: W7L-220503W001RF06

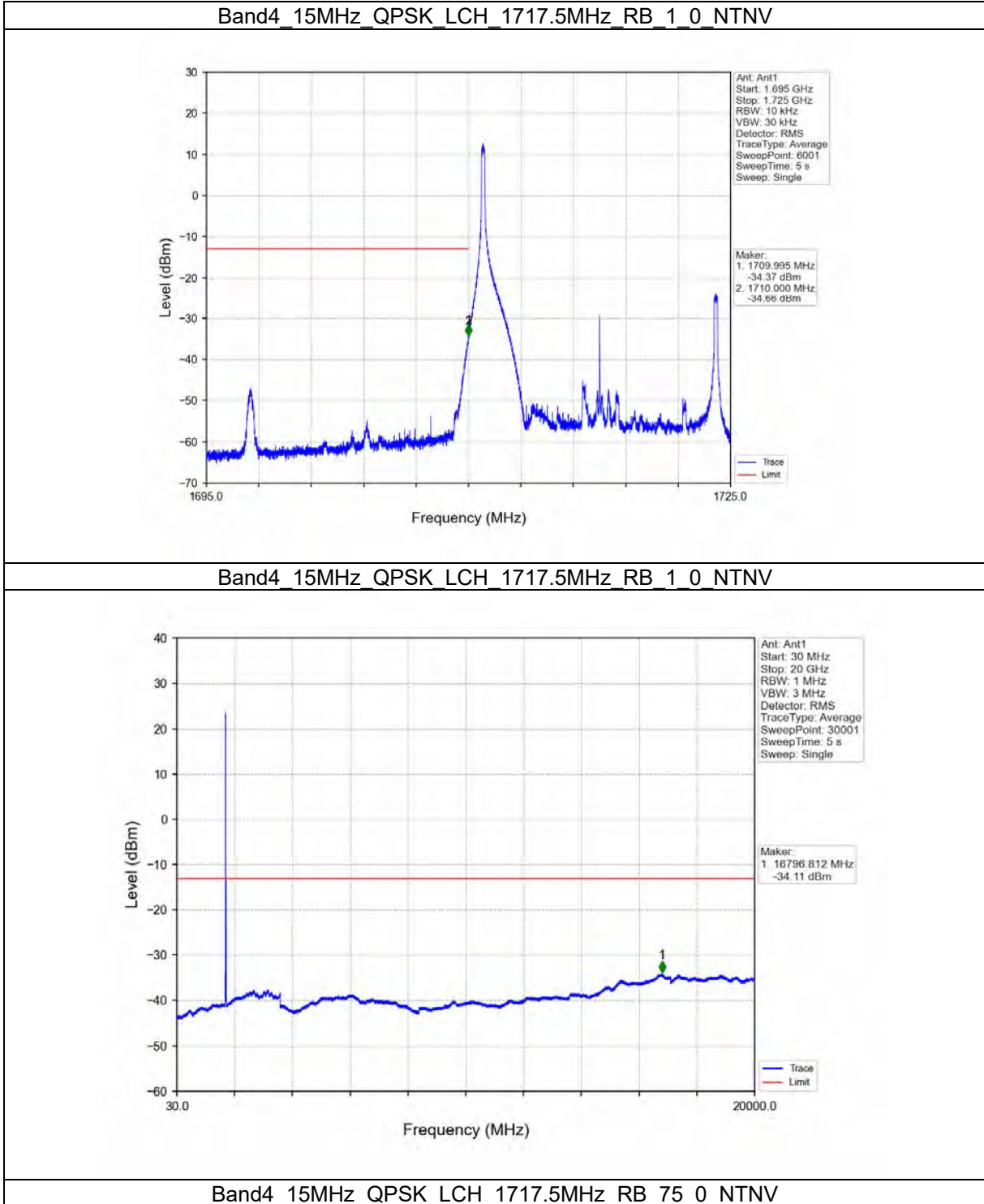
B4\_15MHz

Test Result

Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
64QAM	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass



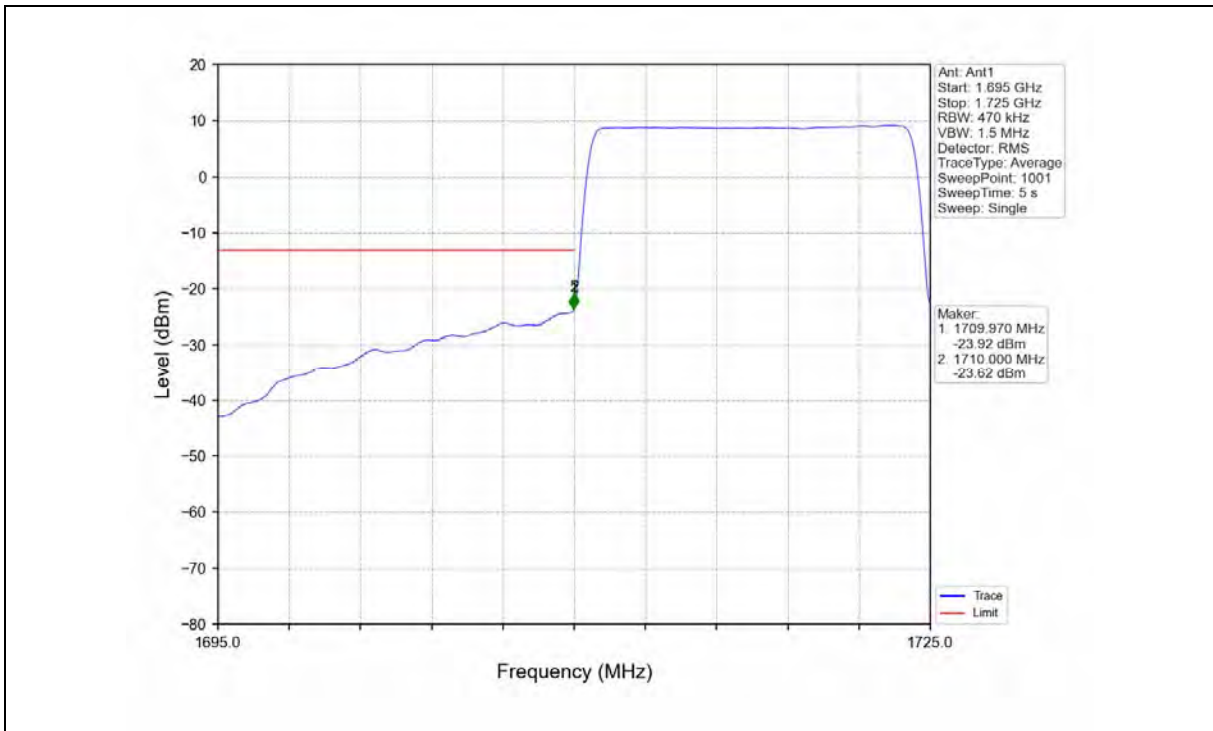
Test Graph



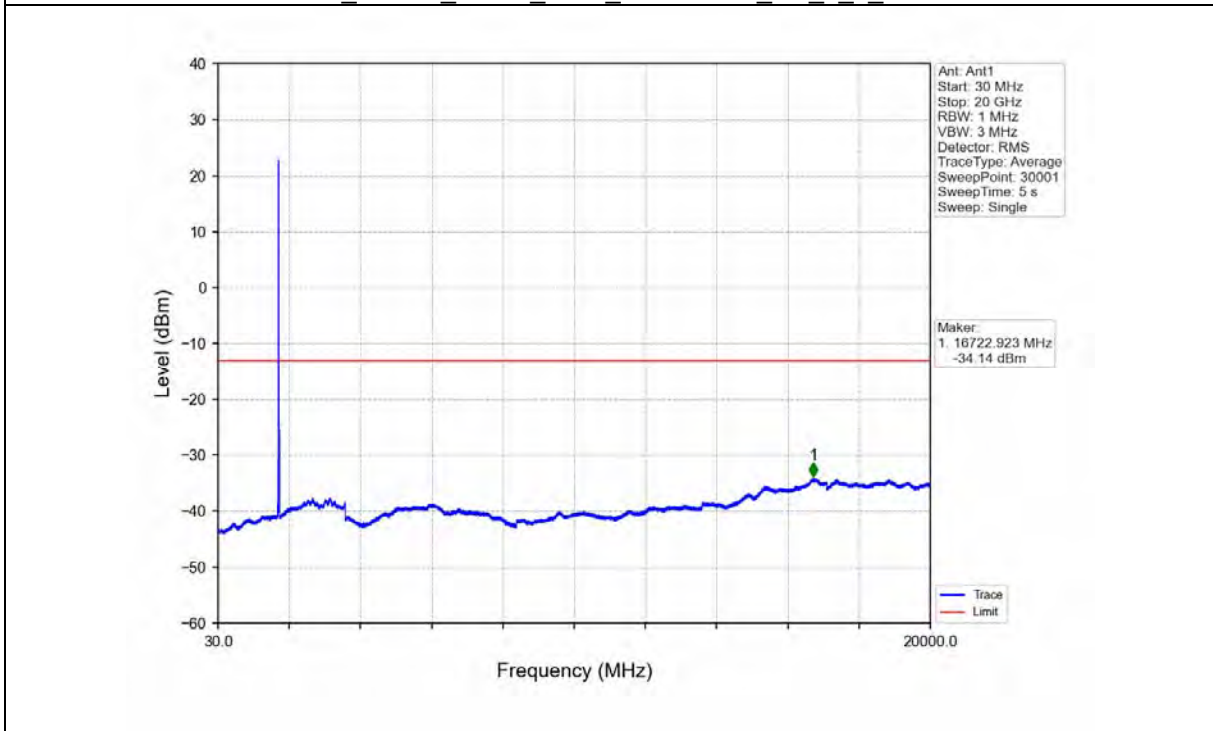


BUREAU  
VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

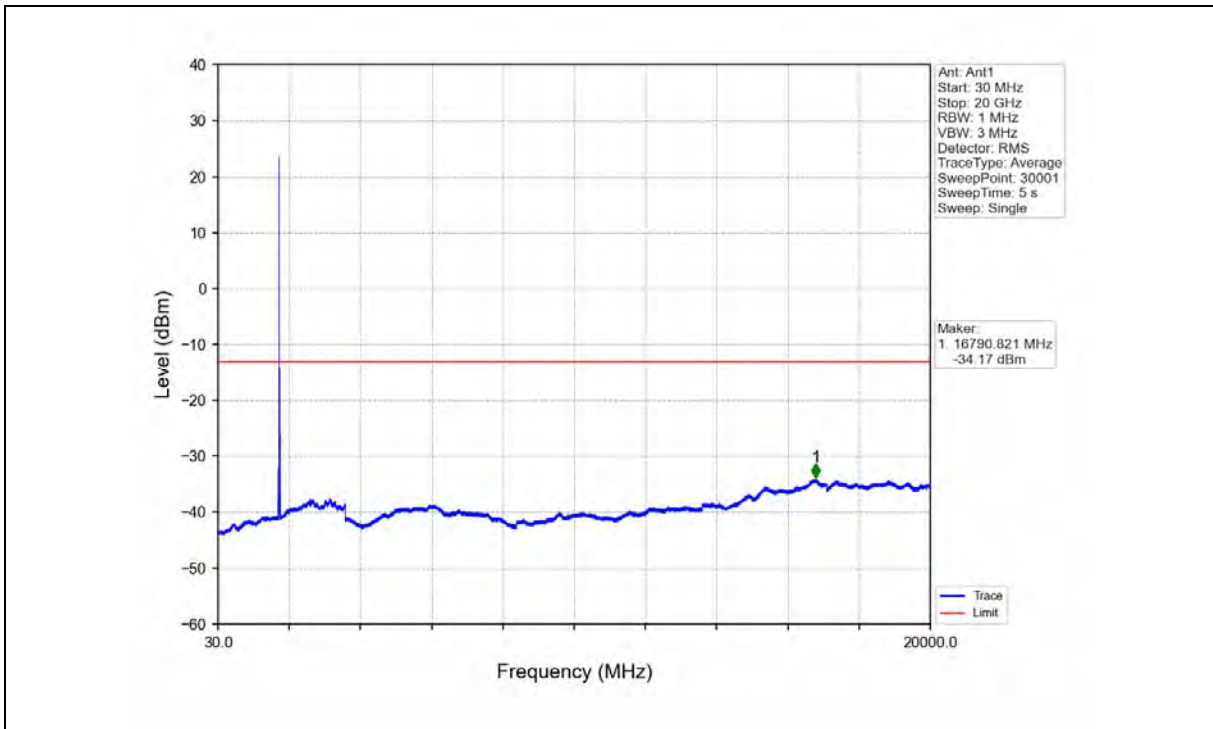


Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV

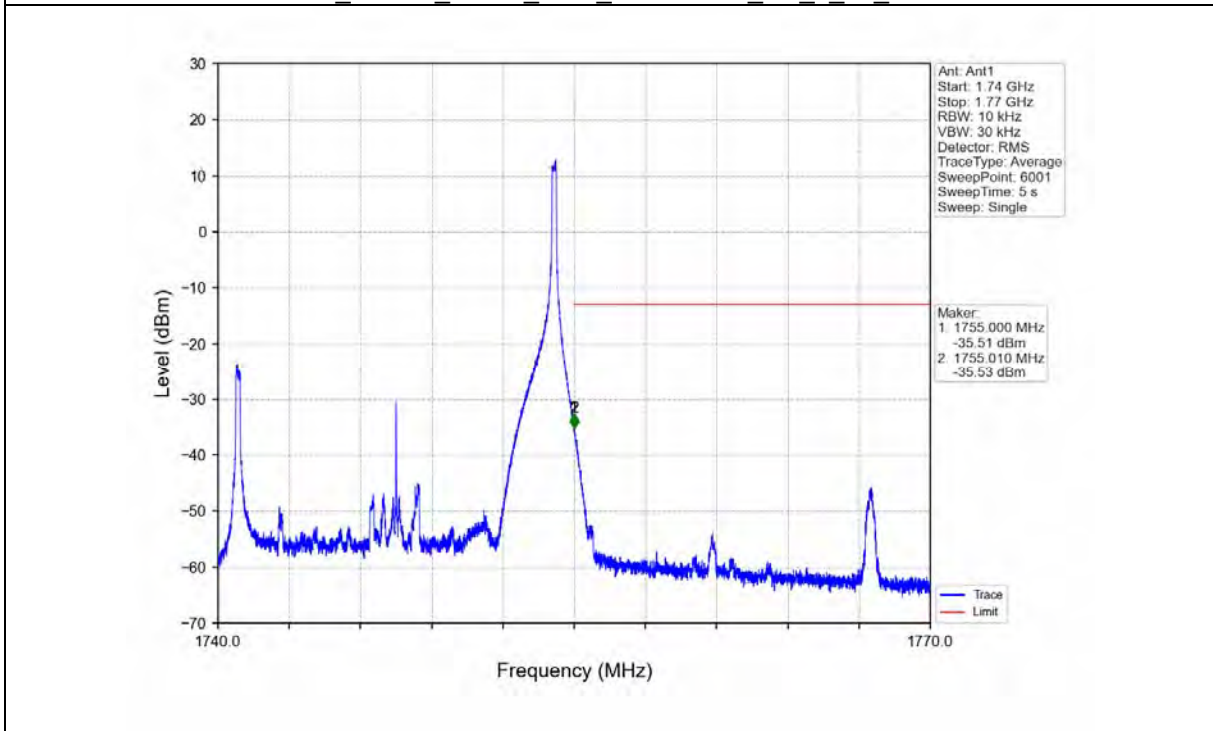


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_1\_74\_NTNV

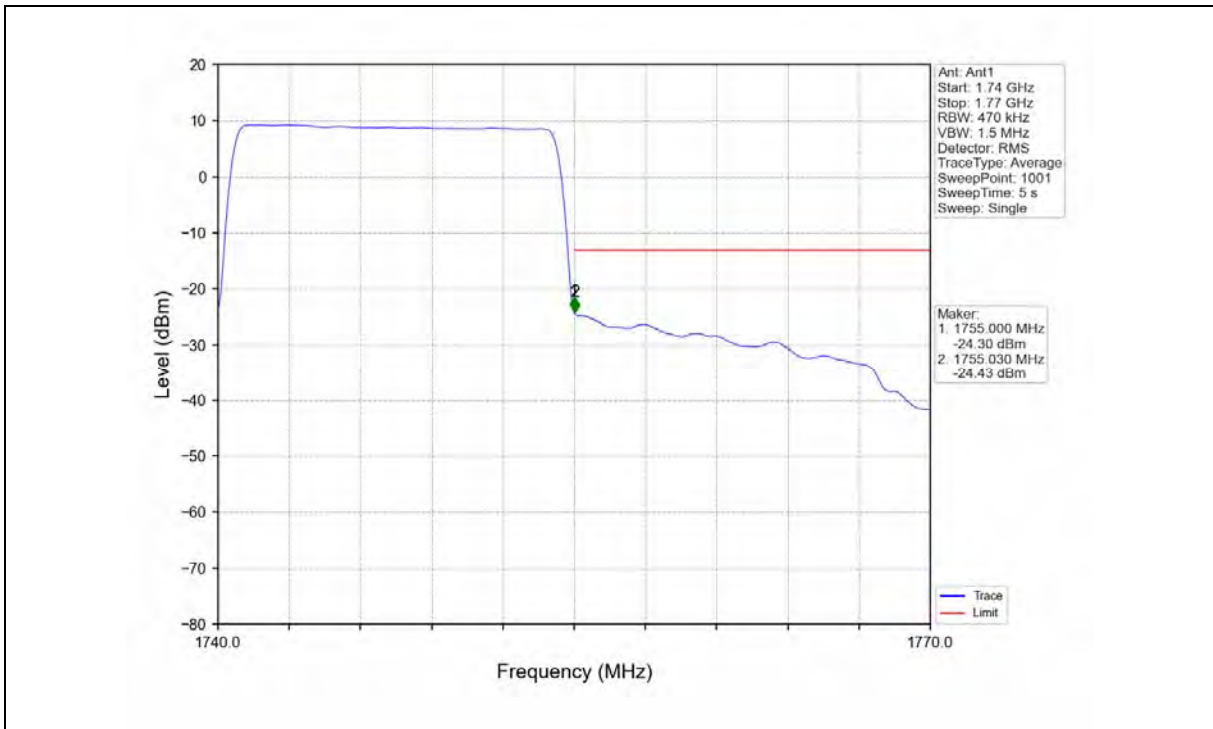


Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV

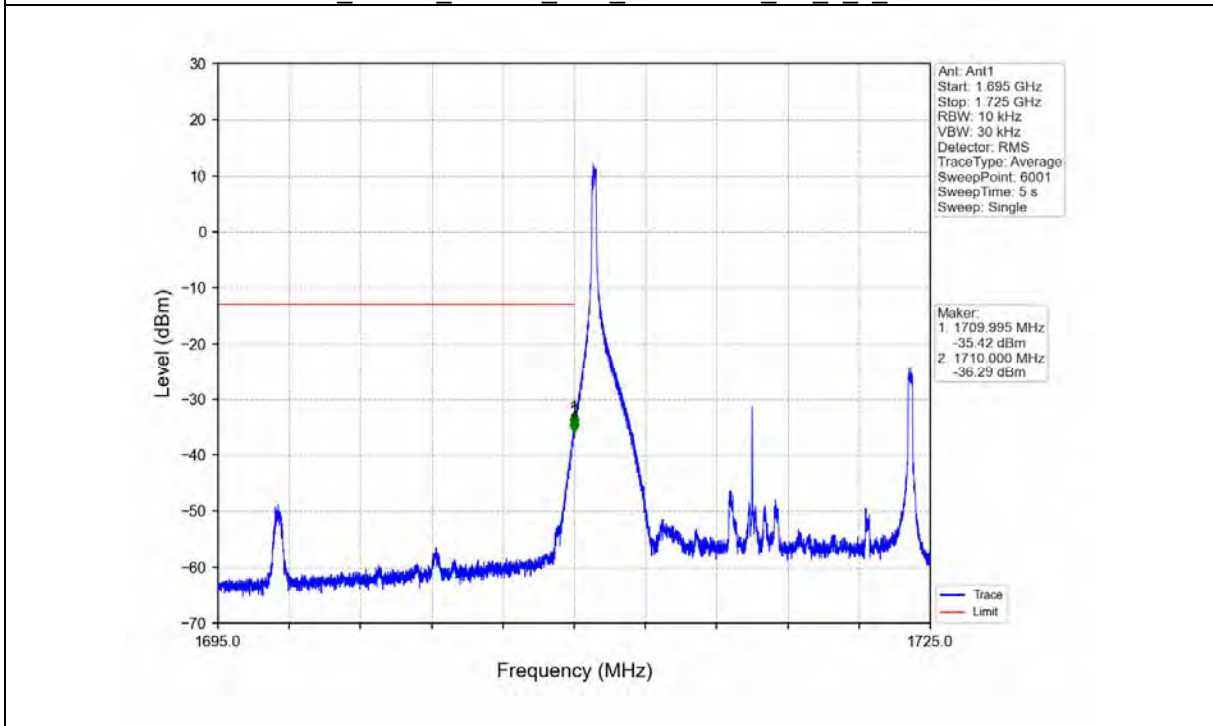


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VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV

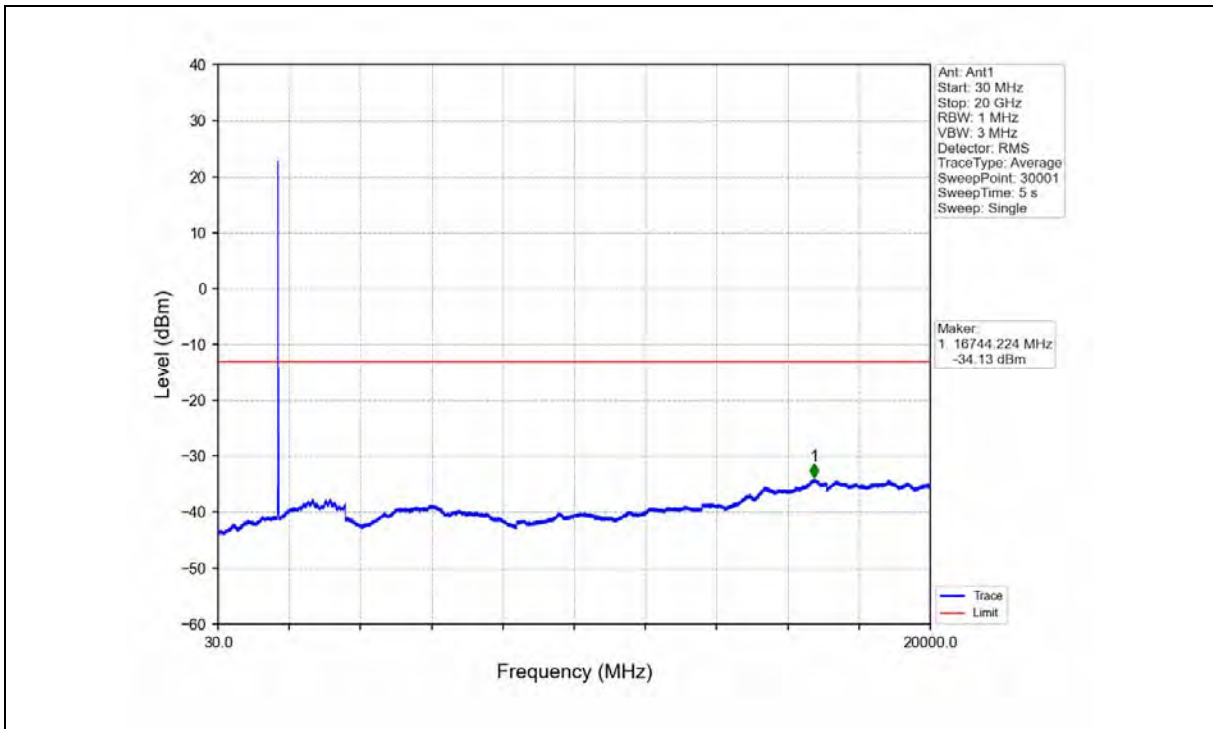


Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV

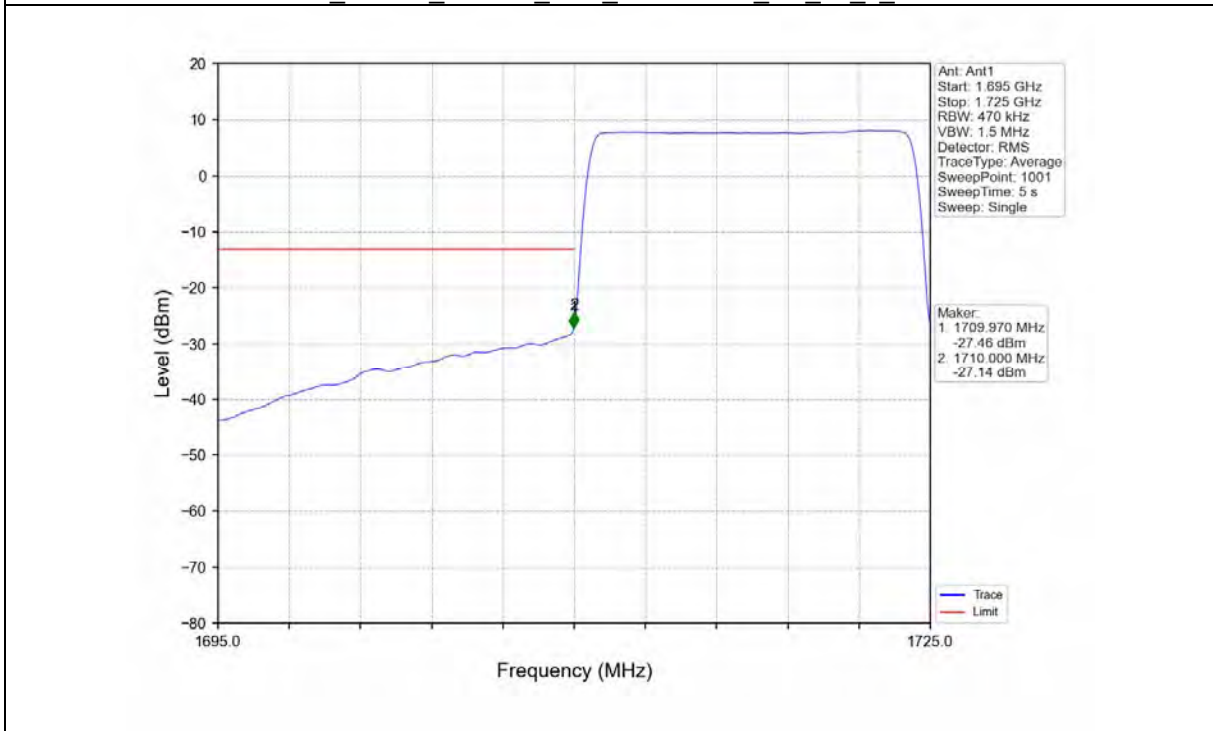


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV

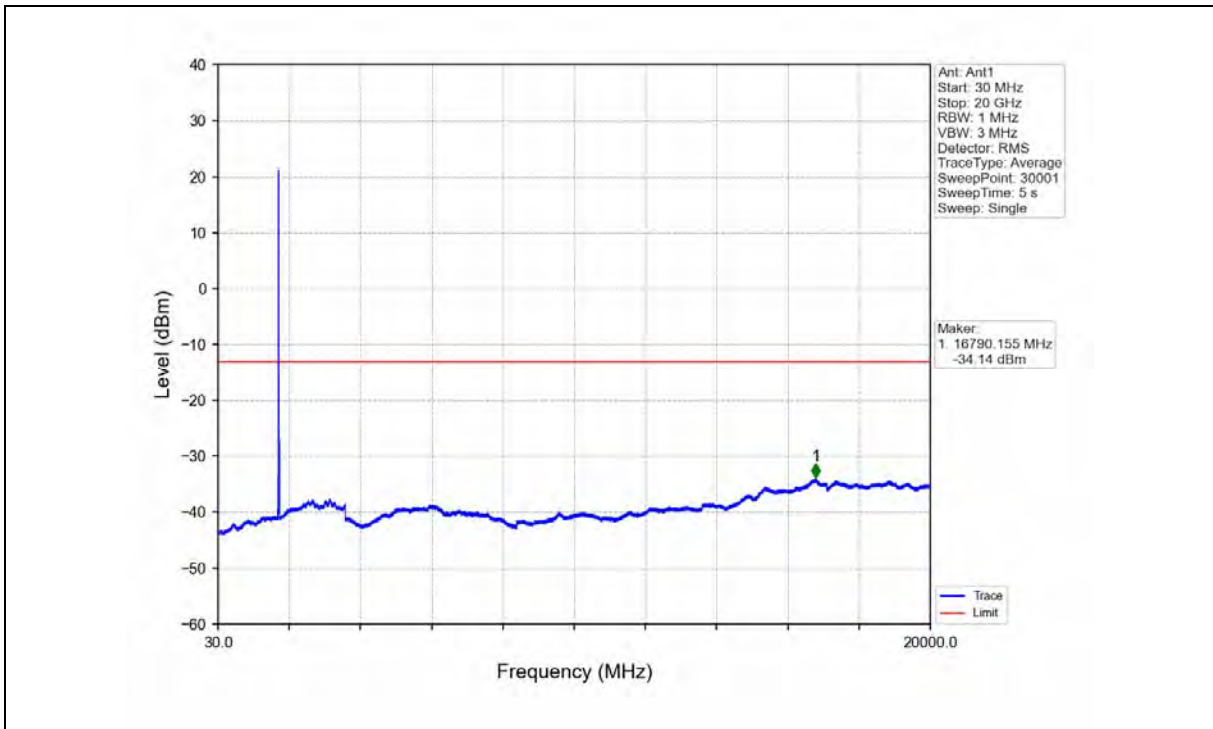


Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

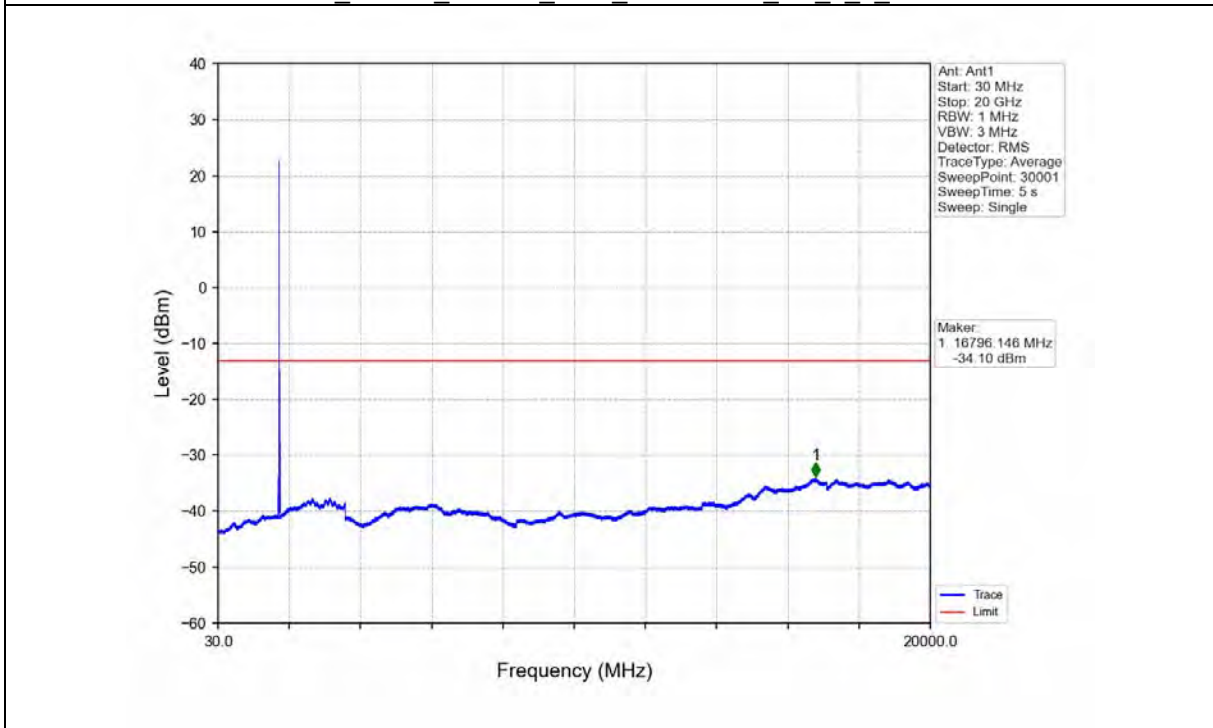


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV

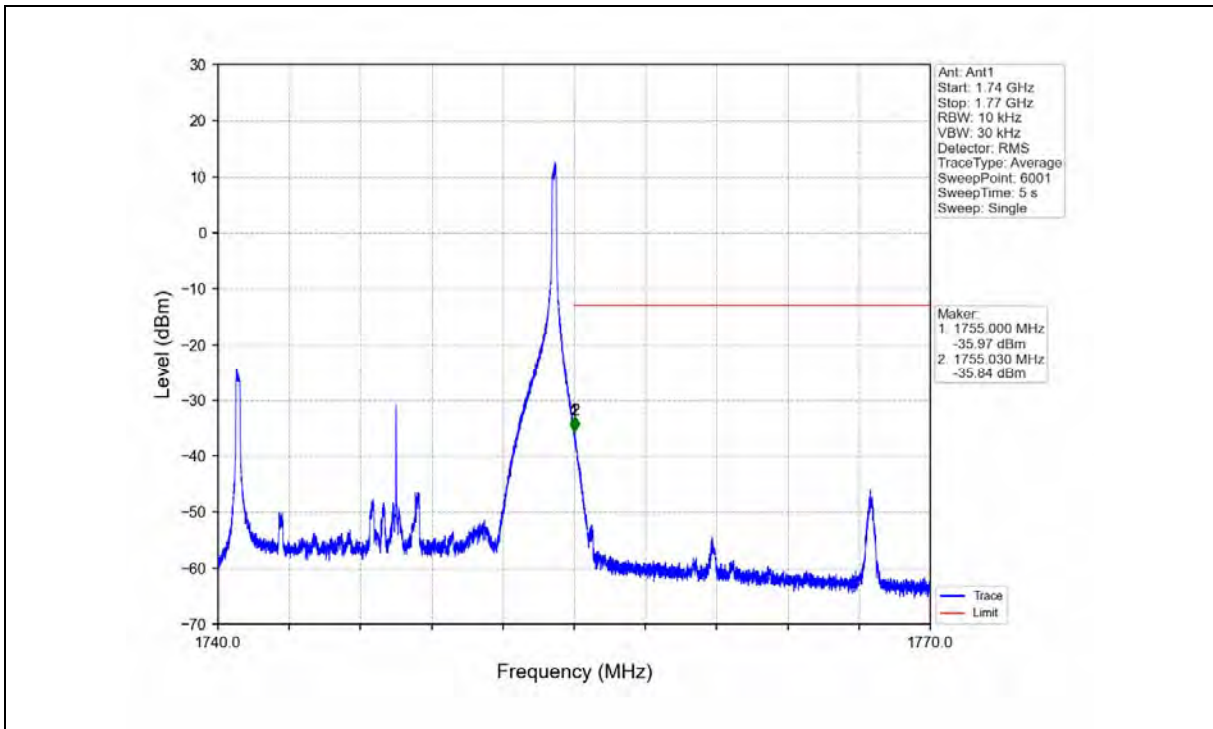


Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_1\_74\_NTNV

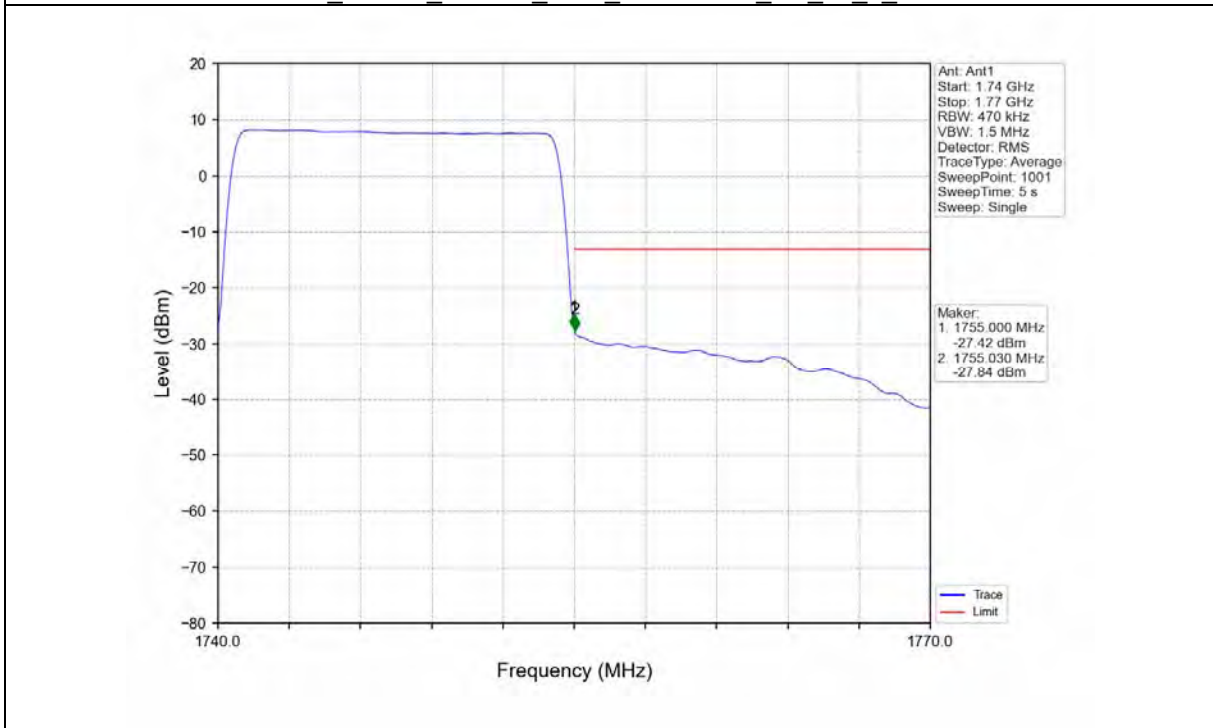


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV

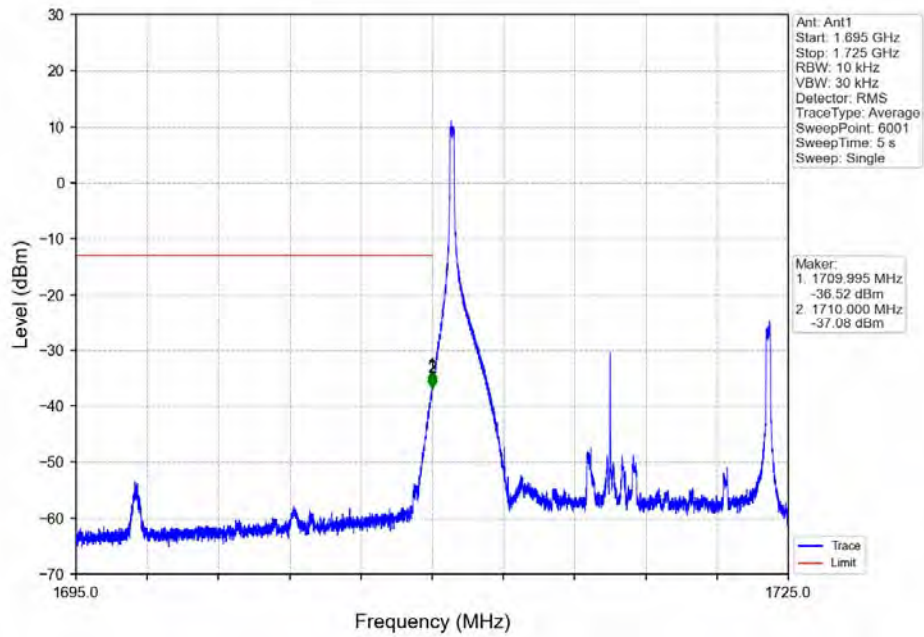


Band4\_15MHz\_64QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV

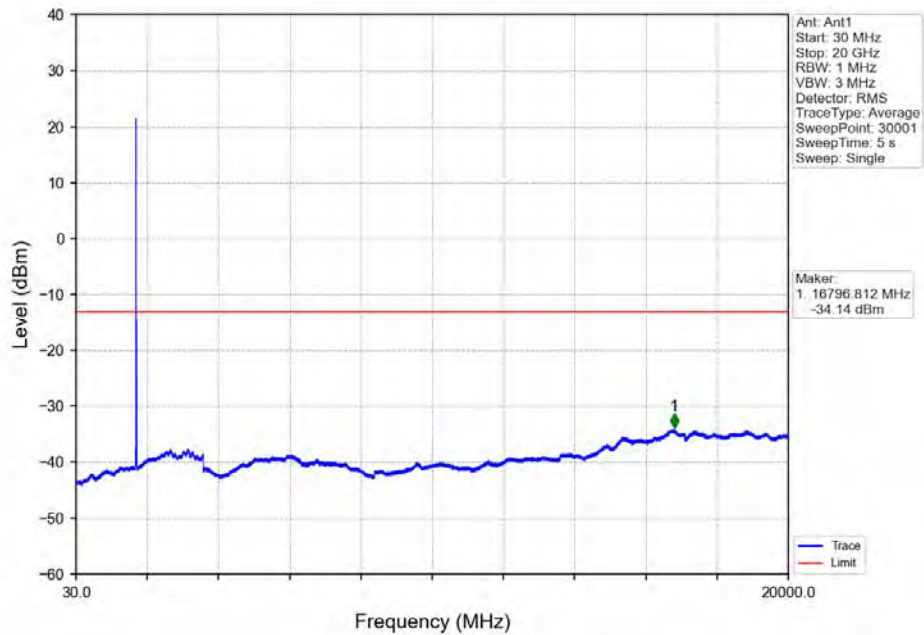


BUREAU  
VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_15MHz\_64QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV



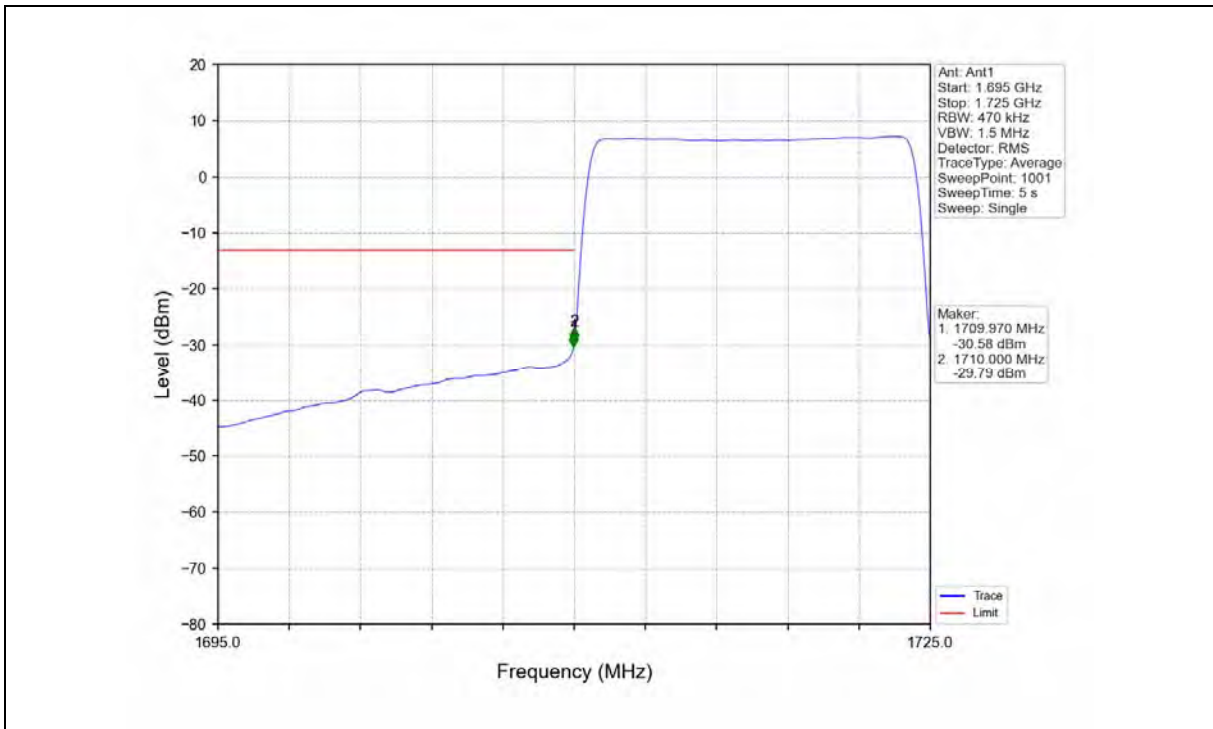
Band4\_15MHz\_64QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



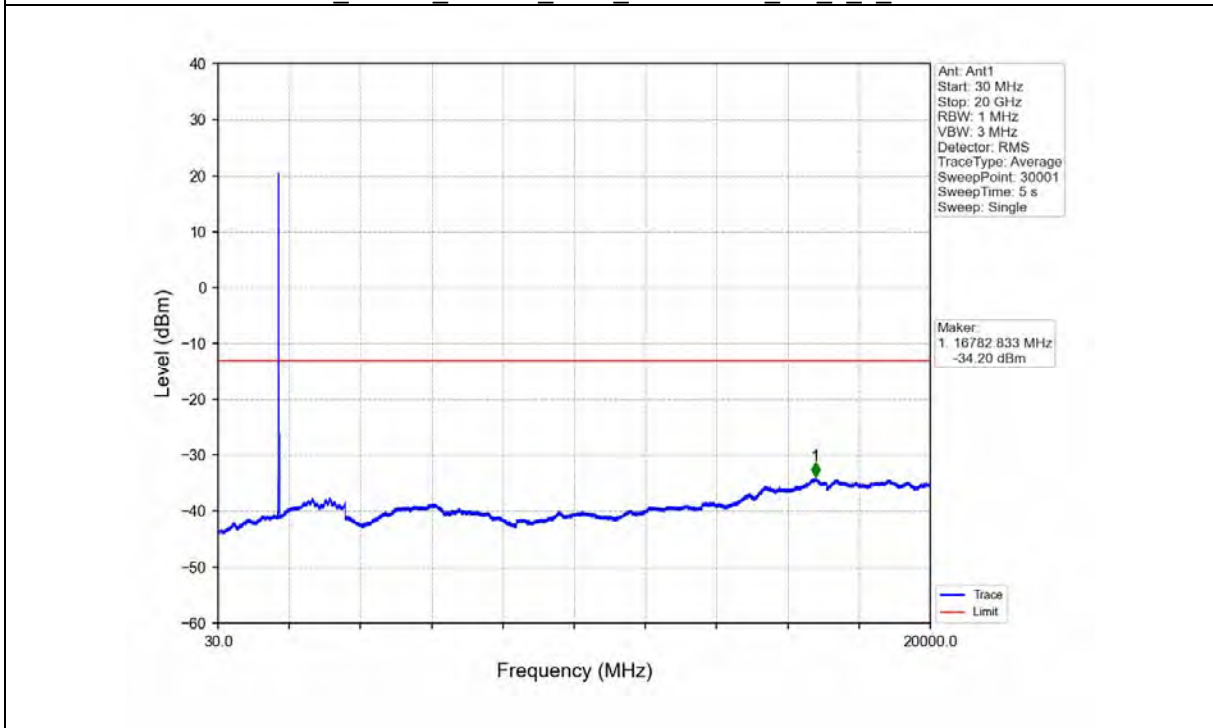


BUREAU  
VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_15MHz\_64QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

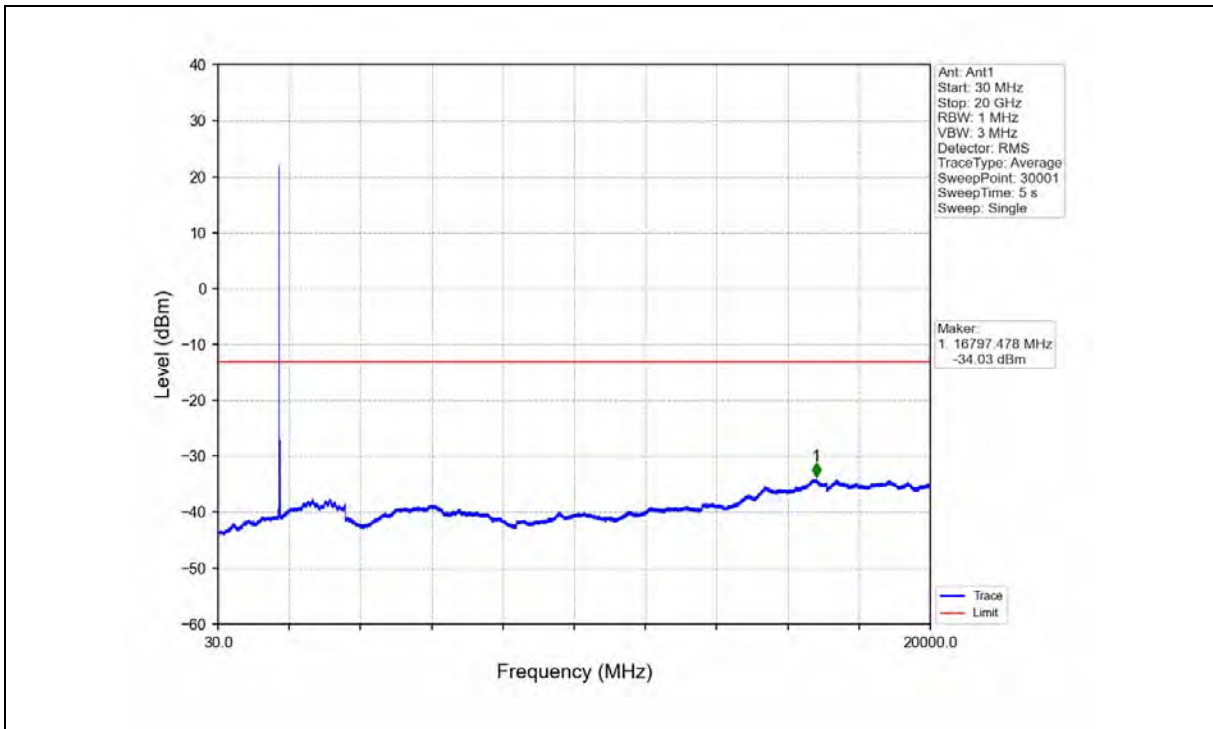


Band4\_15MHz\_64QAM\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV

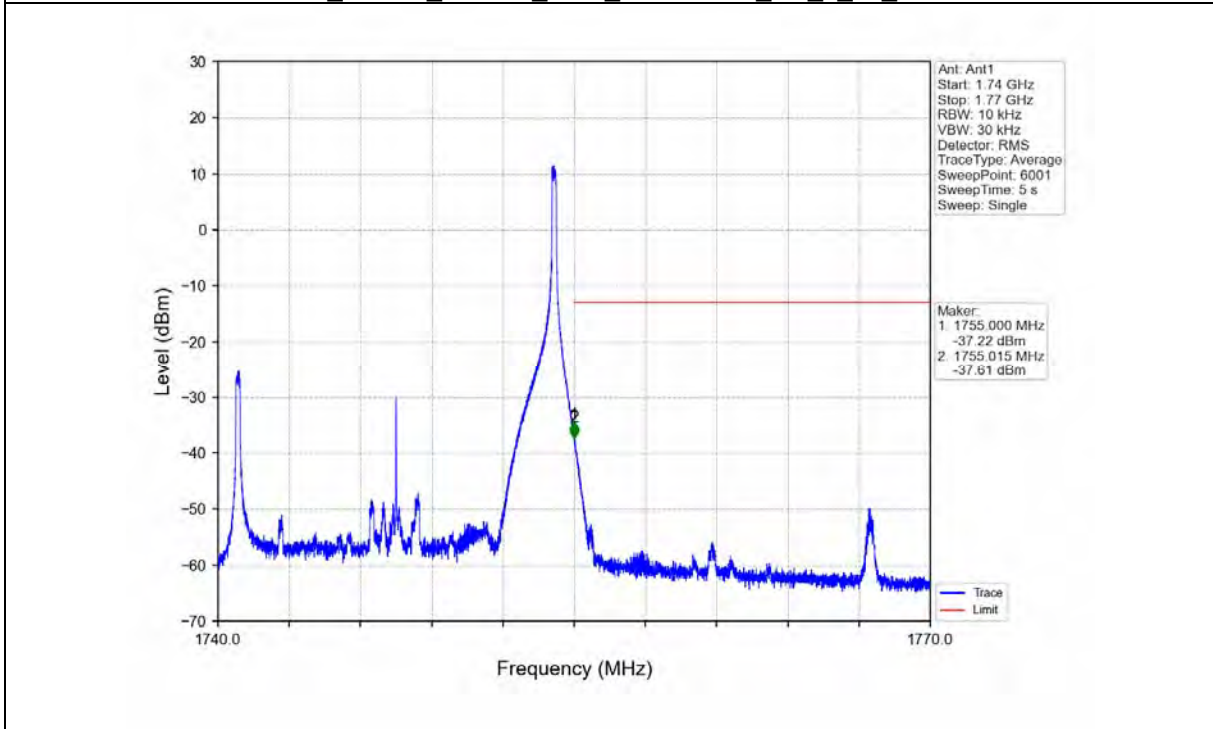


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_15MHz\_64QAM\_HCH\_1747.5MHz\_RB\_1\_74\_NTNV

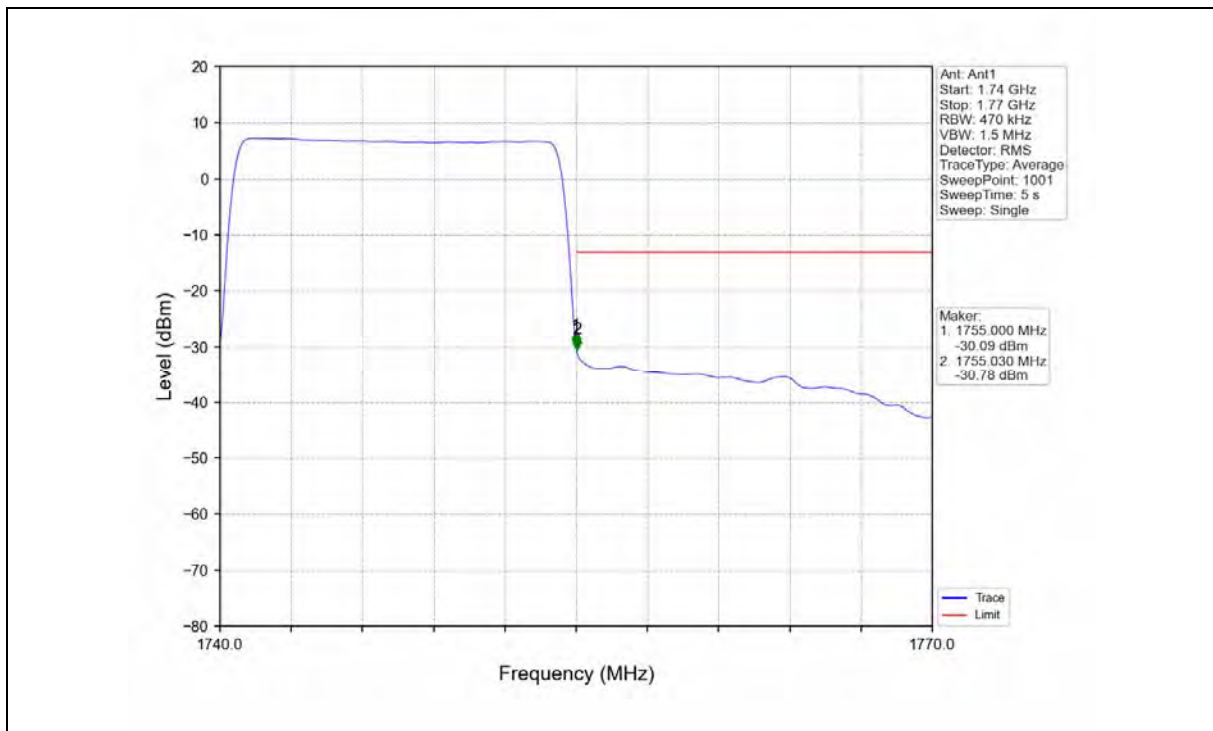


Band4\_15MHz\_64QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



BUREAU  
VERITAS

Test Report No.: W7L-220503W001RF06





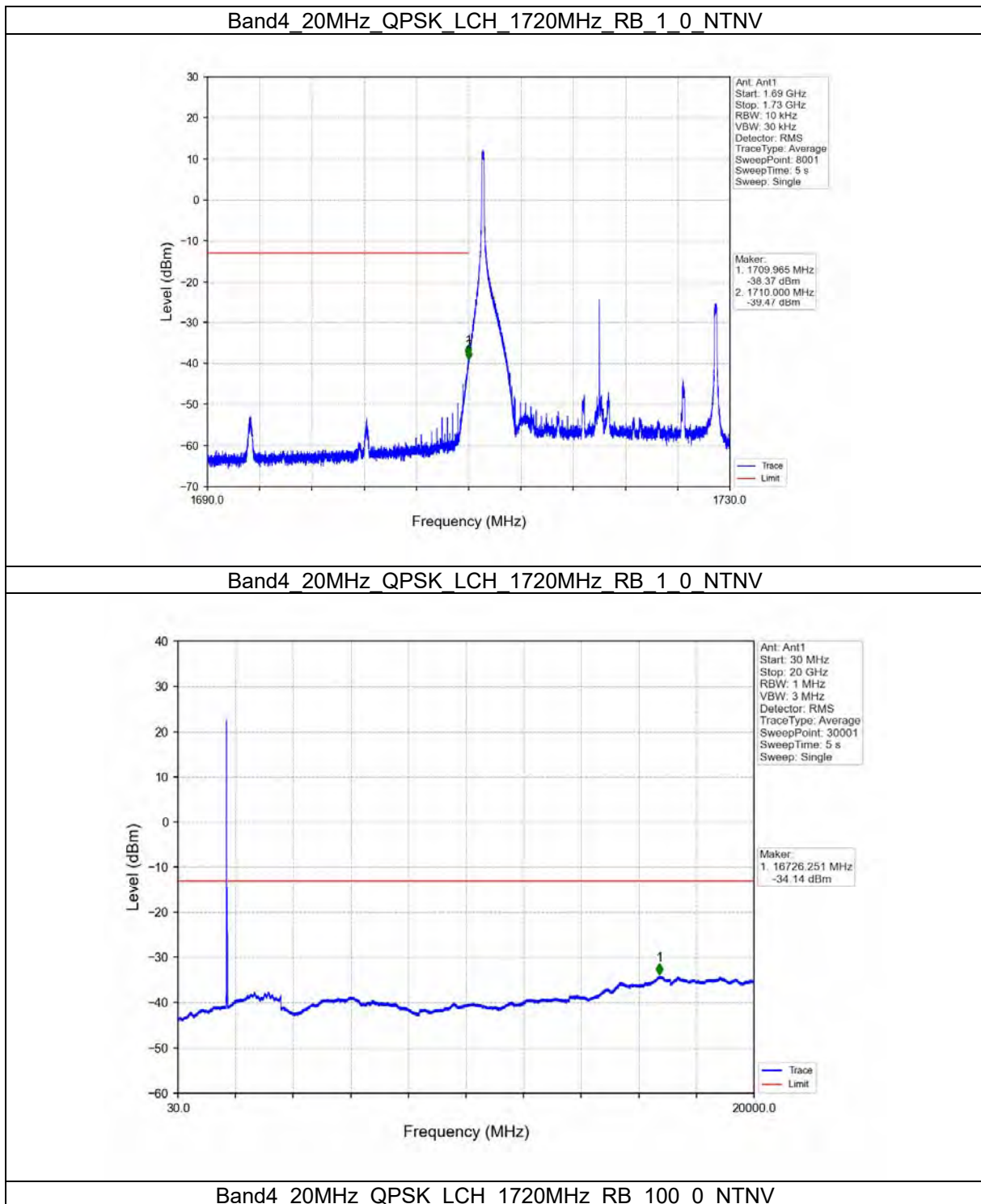
Test Report No.: W7L-220503W001RF06

B4\_20MHz

Test Result

Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1745	1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1745	1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
64QAM	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1745	1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

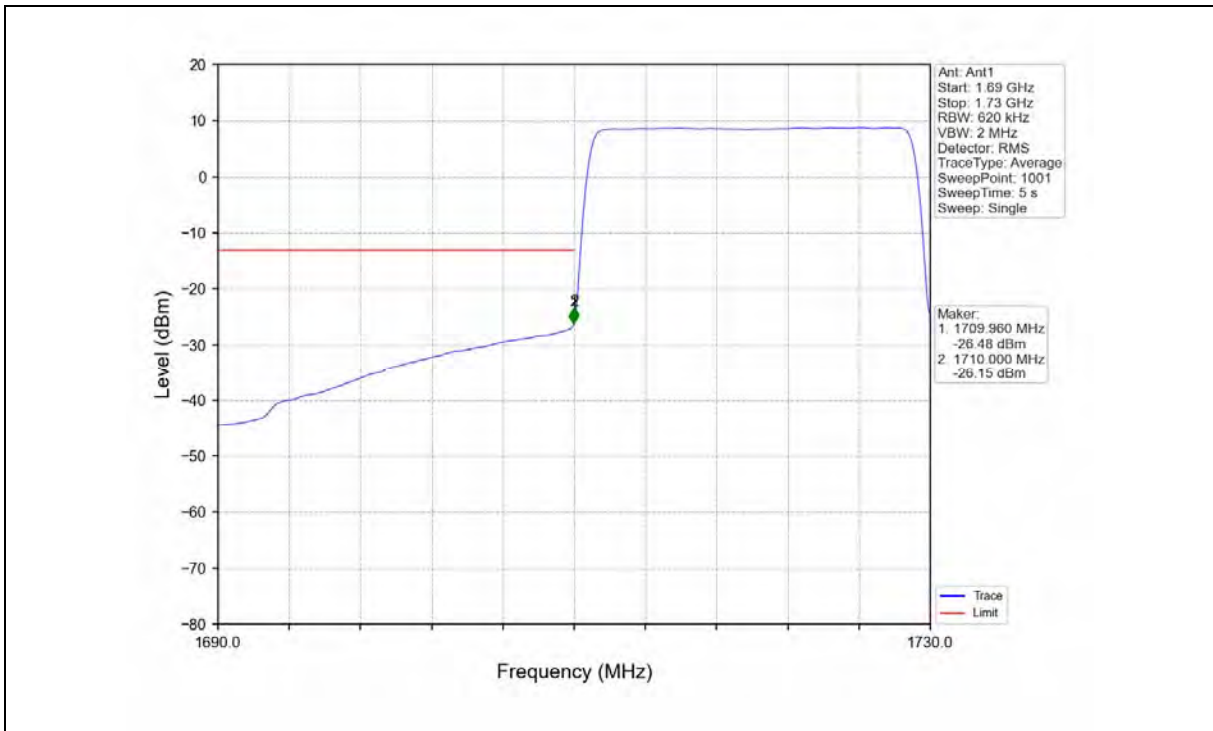
Test Graph



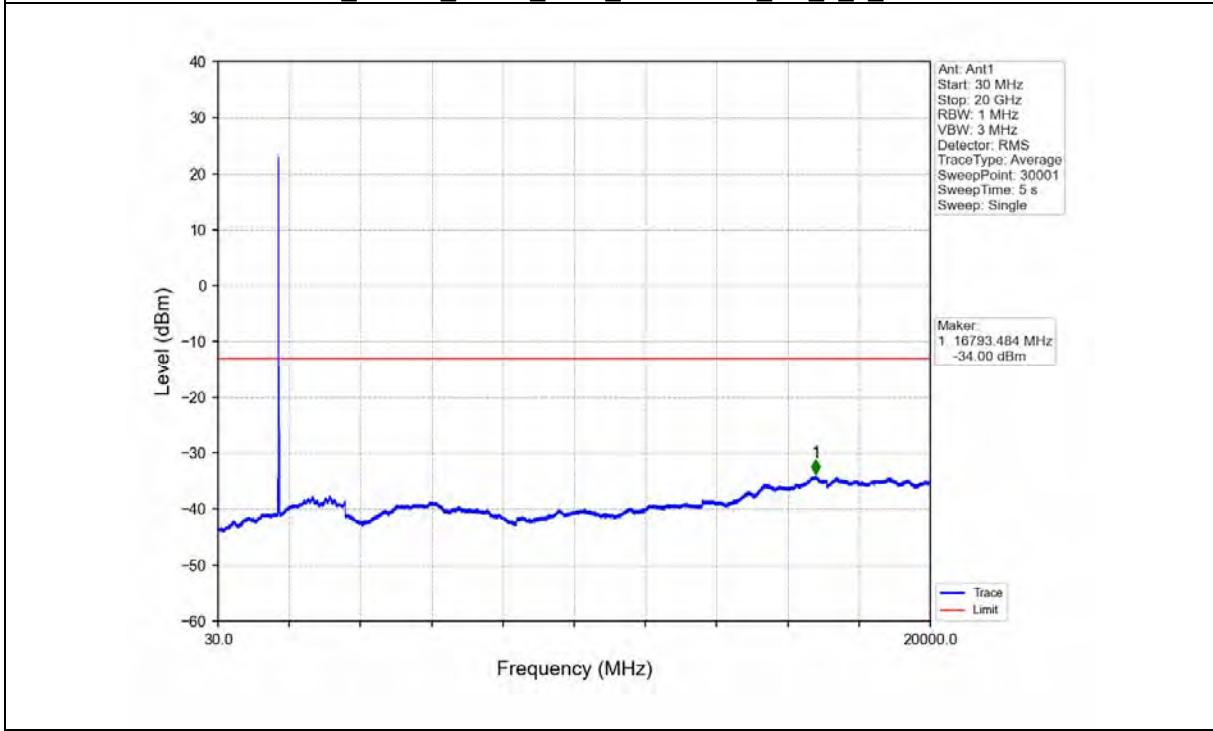


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Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

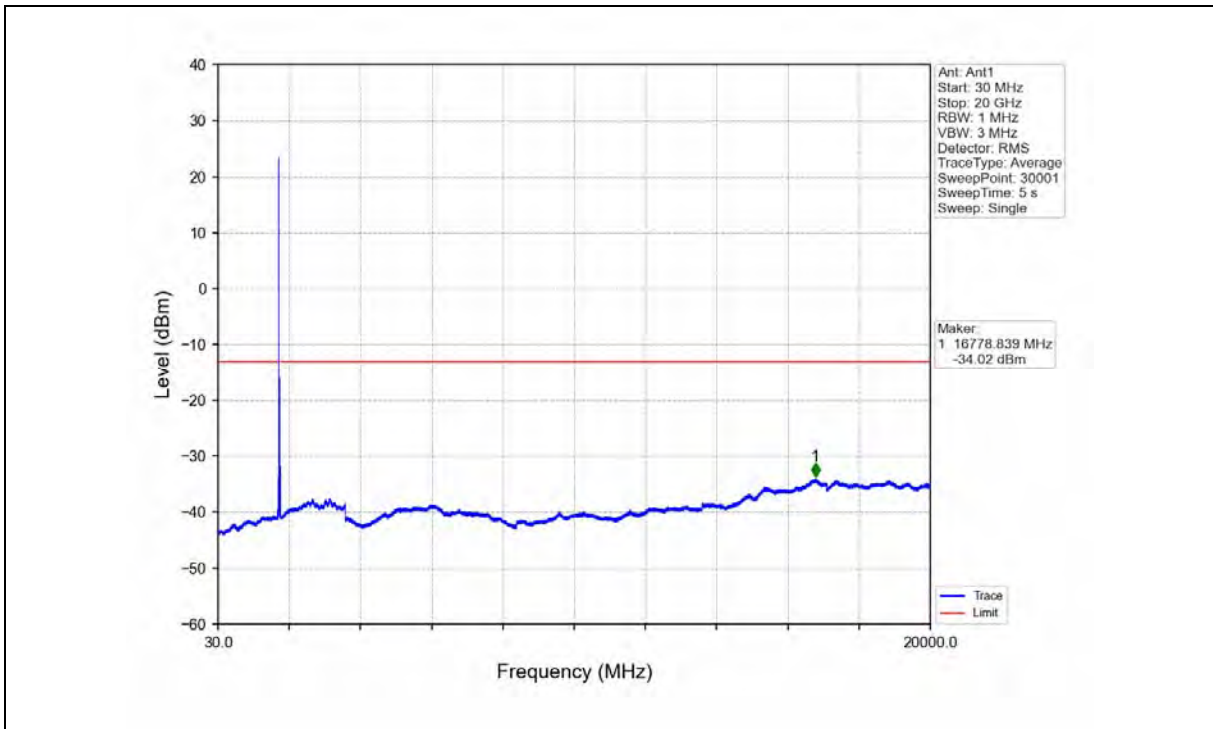


Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_1\_0\_NTNV

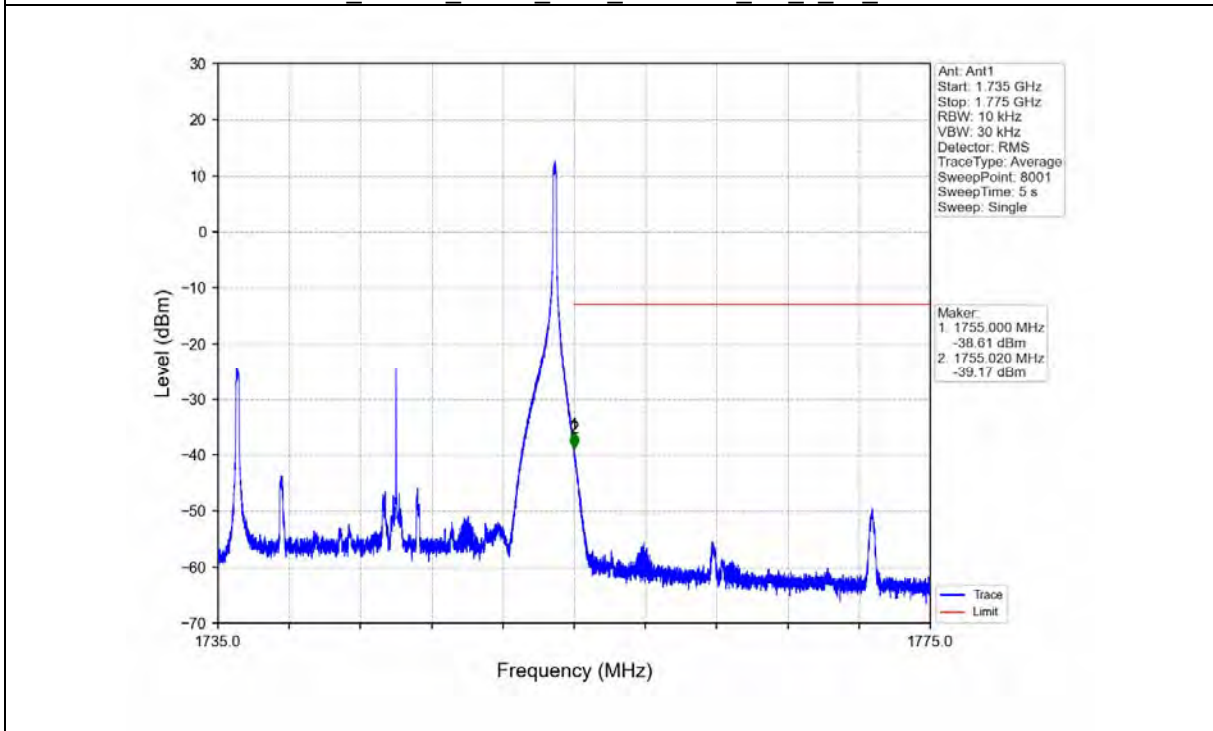


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_1\_99\_NTNV

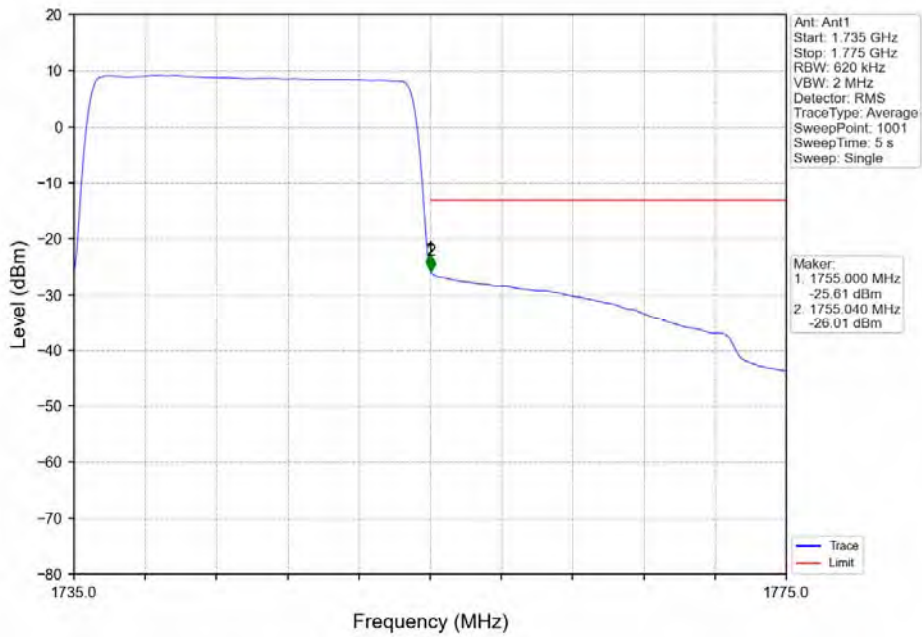


Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV

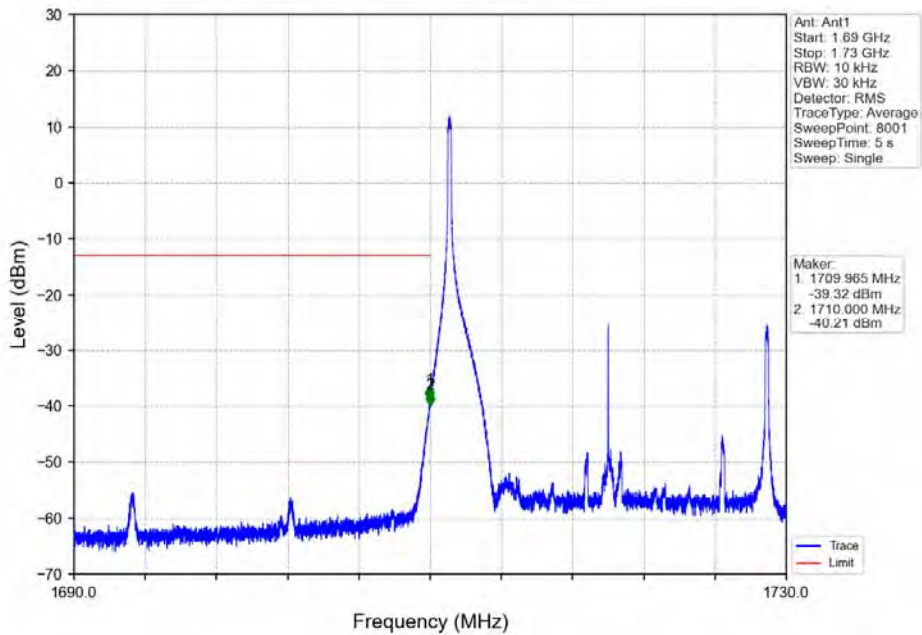


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VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV



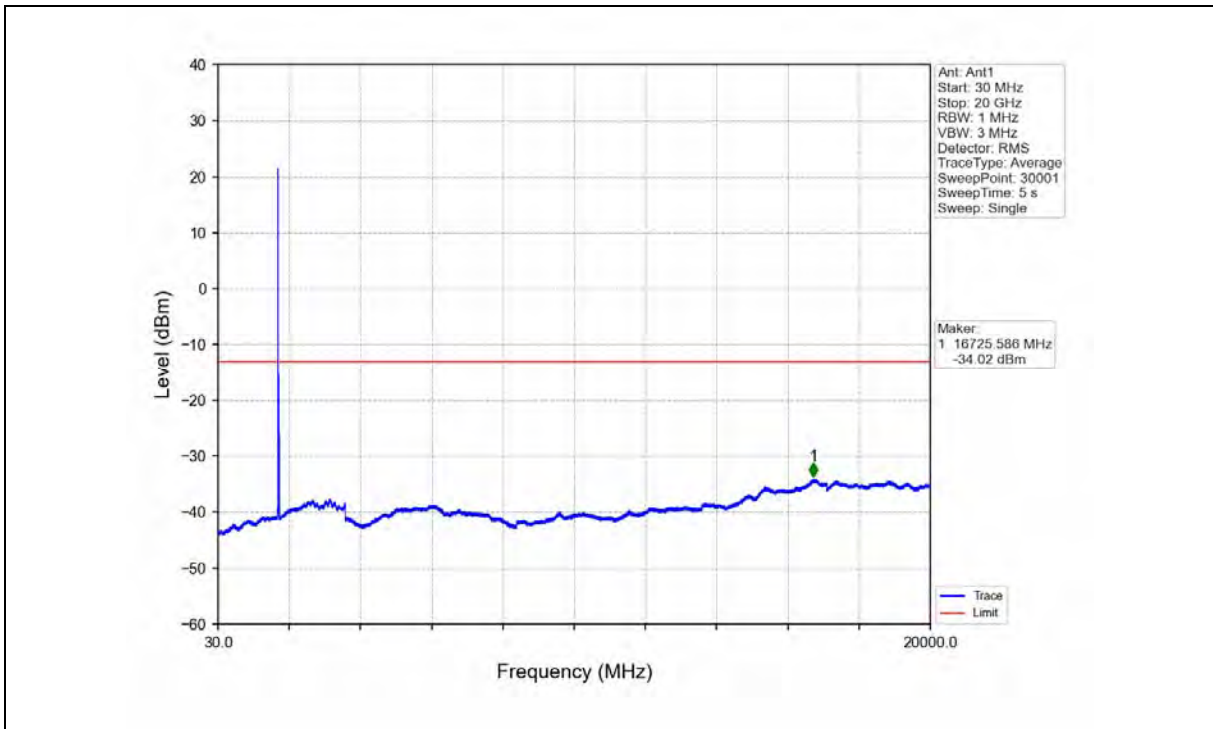
Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV



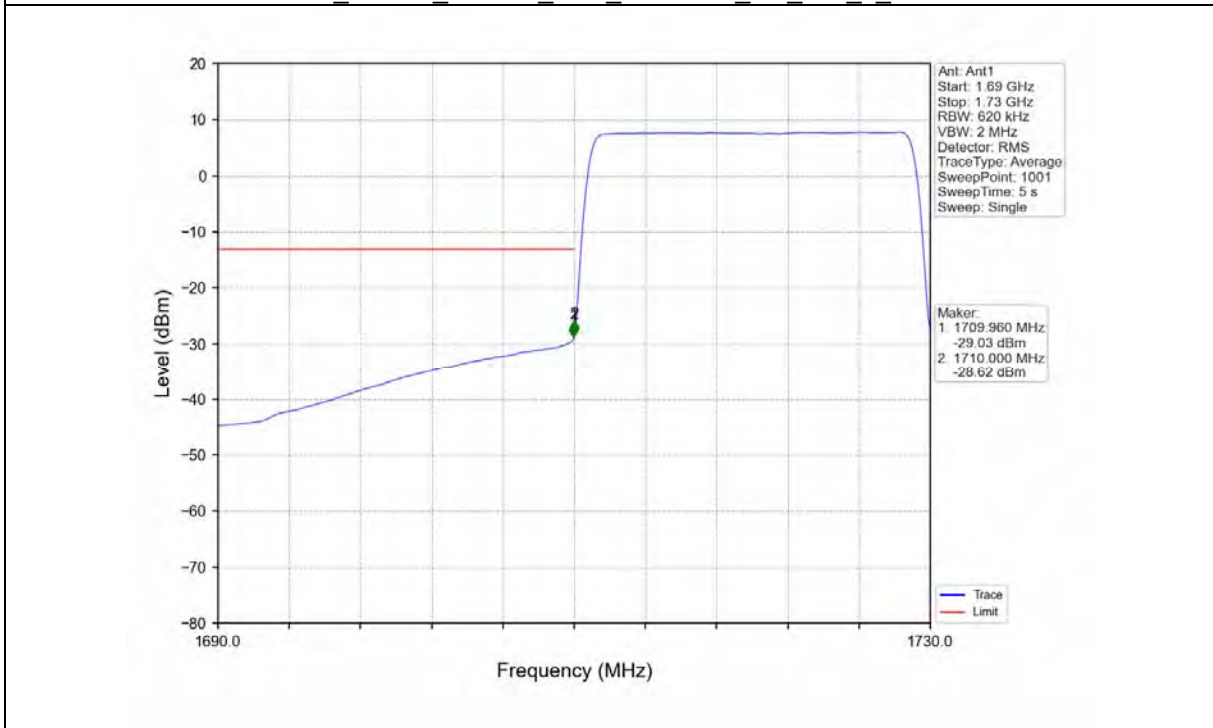


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Test Report No.: W7L-220503W001RF06



Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV

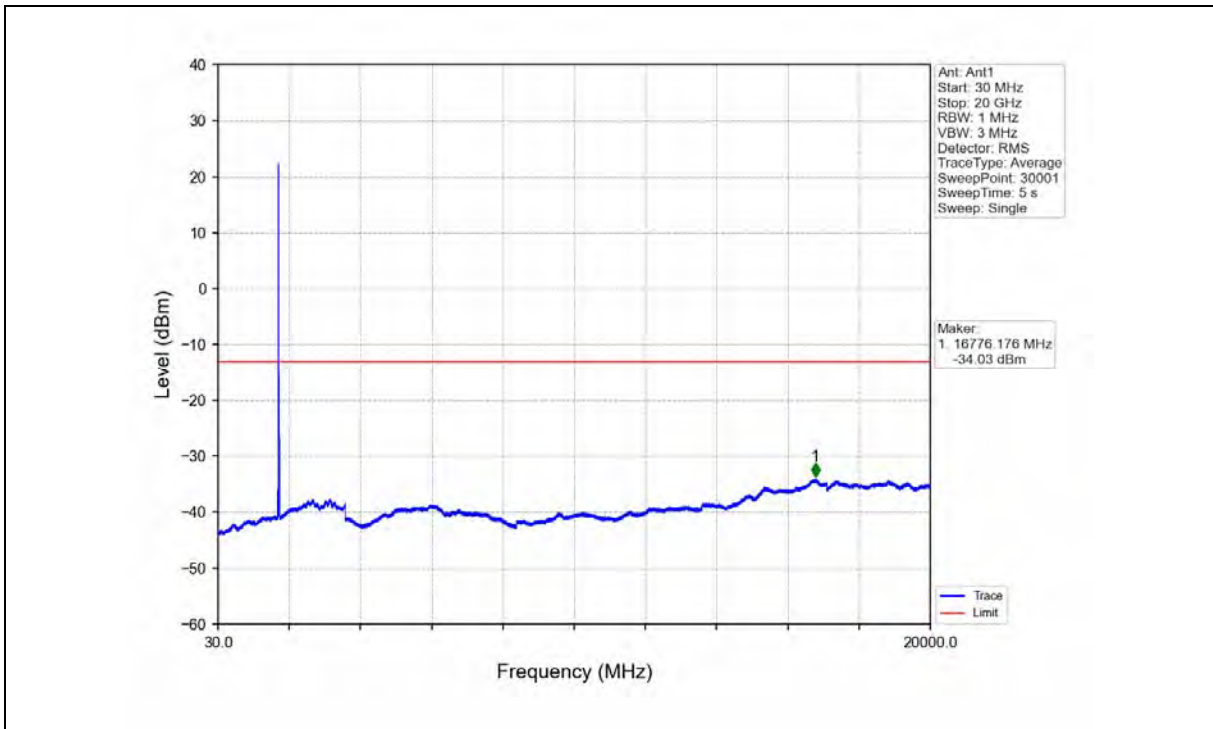


Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

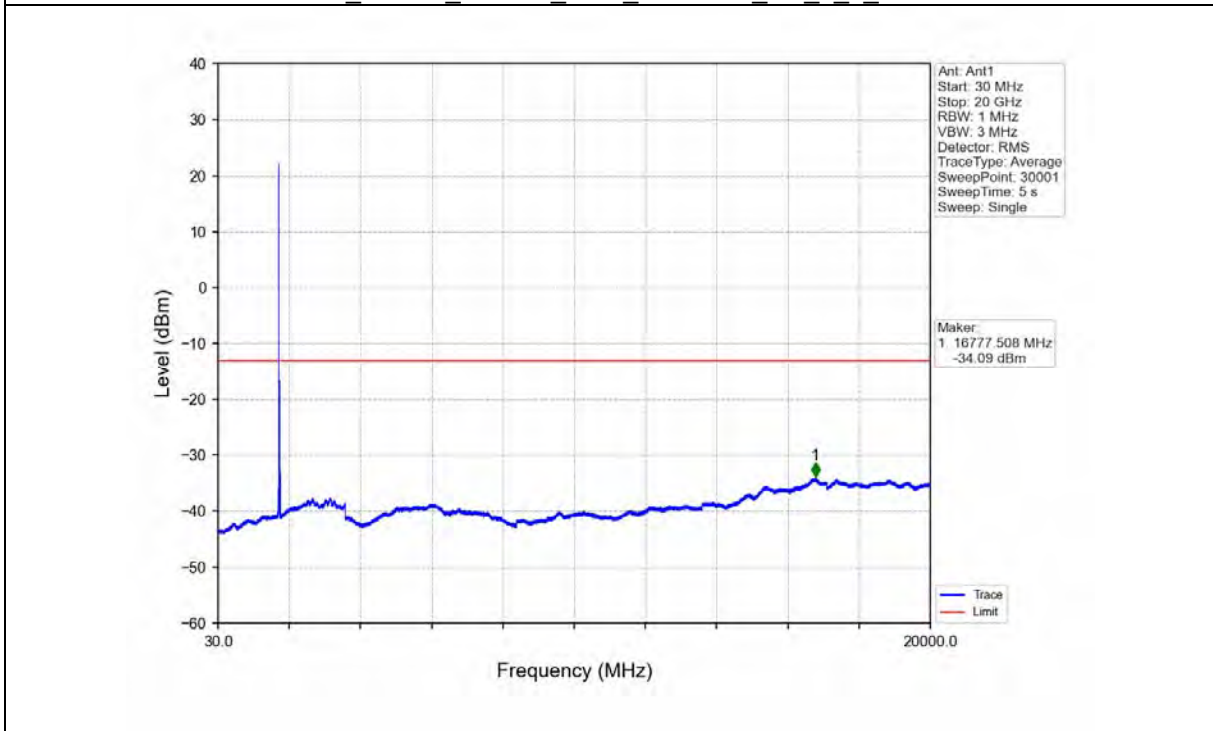


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_1\_0\_NTNV

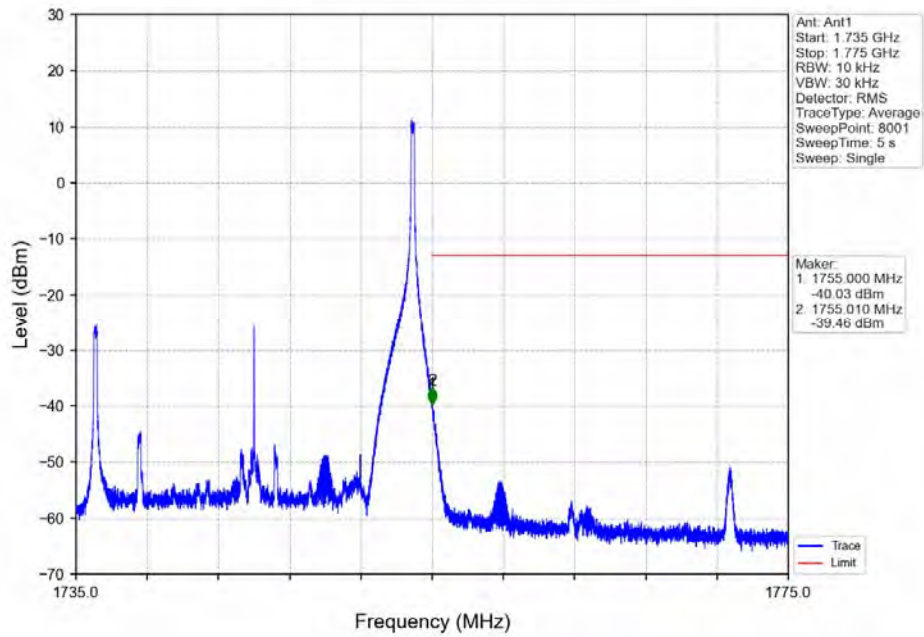


Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_1\_99\_NTNV

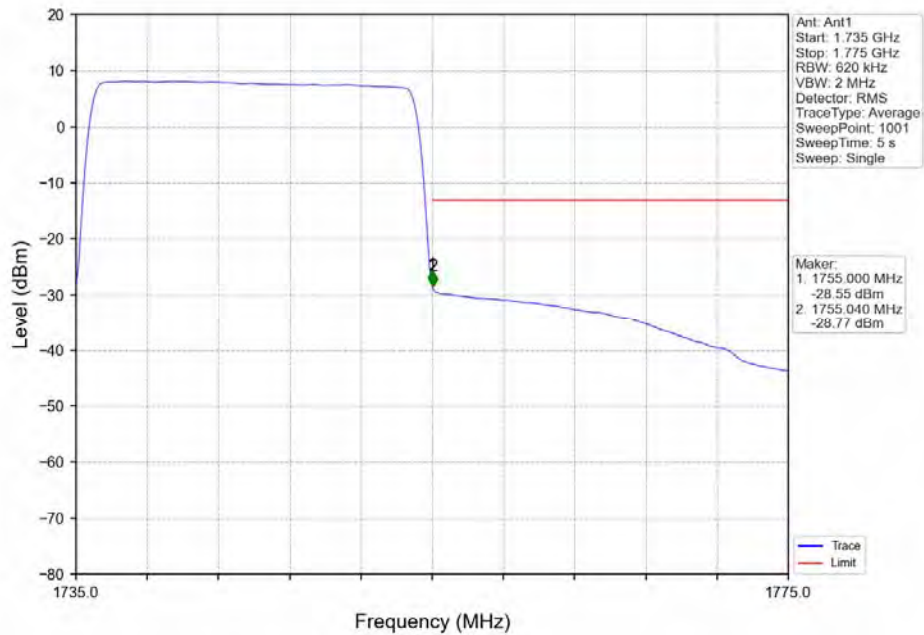


BUREAU  
VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_100\_0\_NTNV

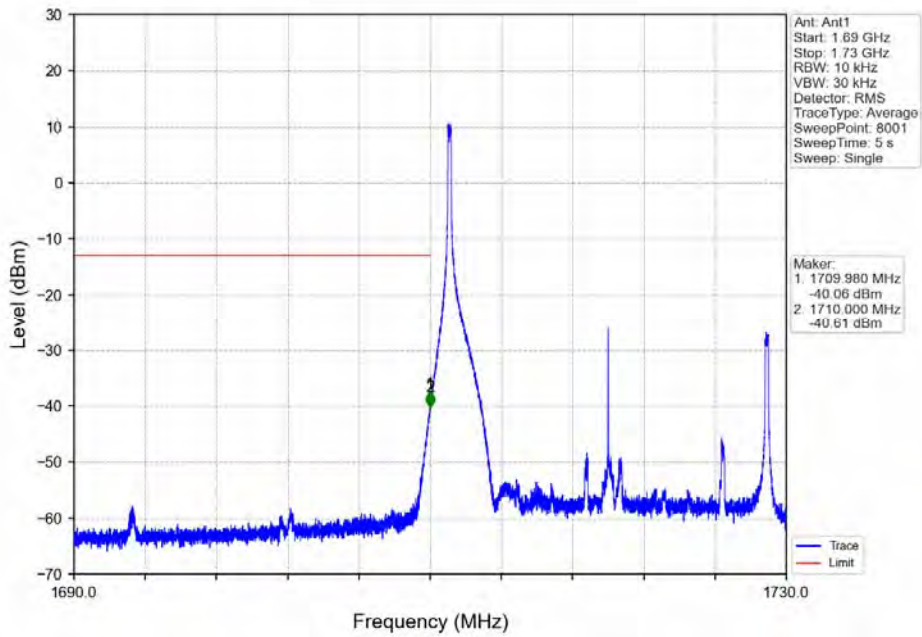


Band4\_20MHz\_64QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV

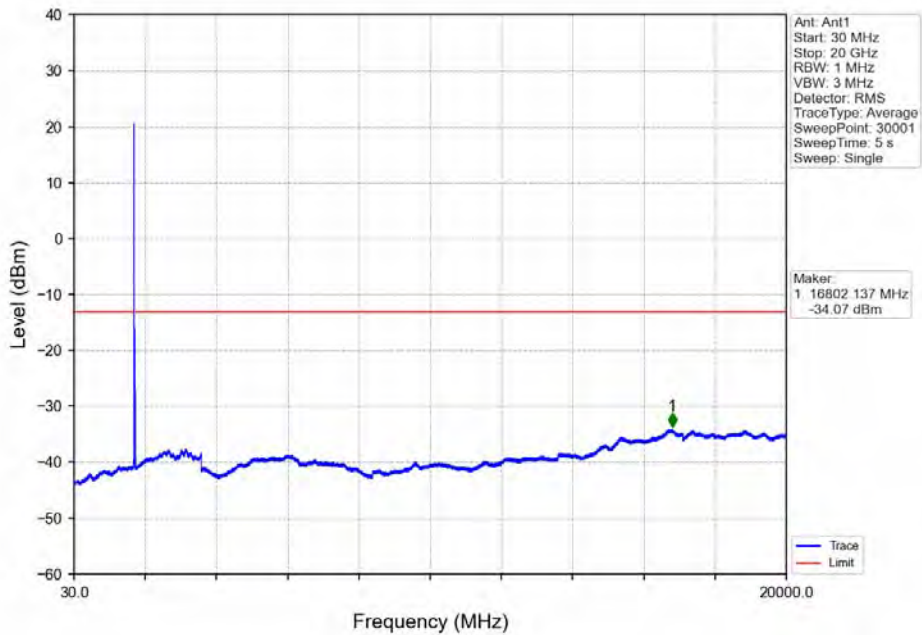


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VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_20MHz\_64QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV

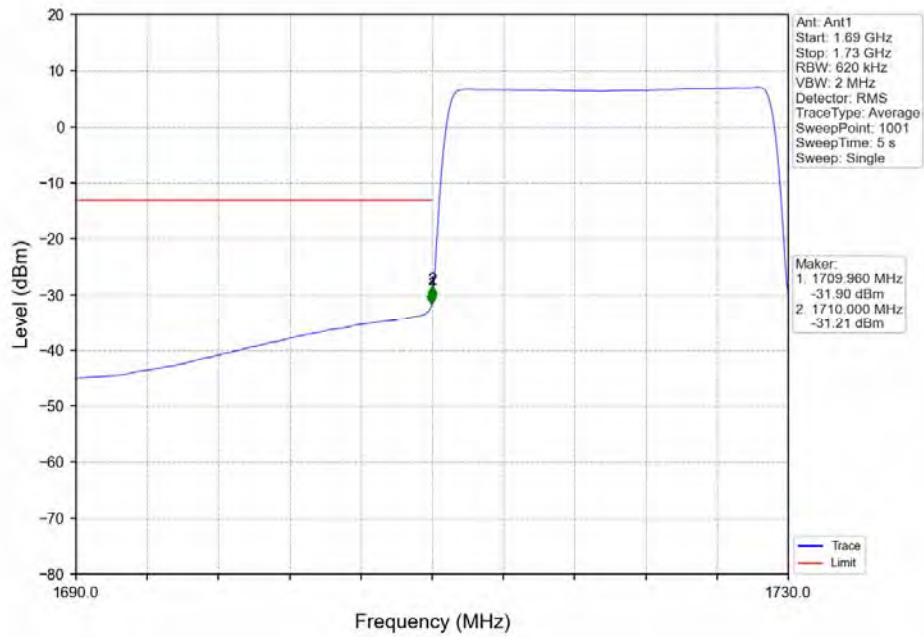


Band4\_20MHz\_64QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV

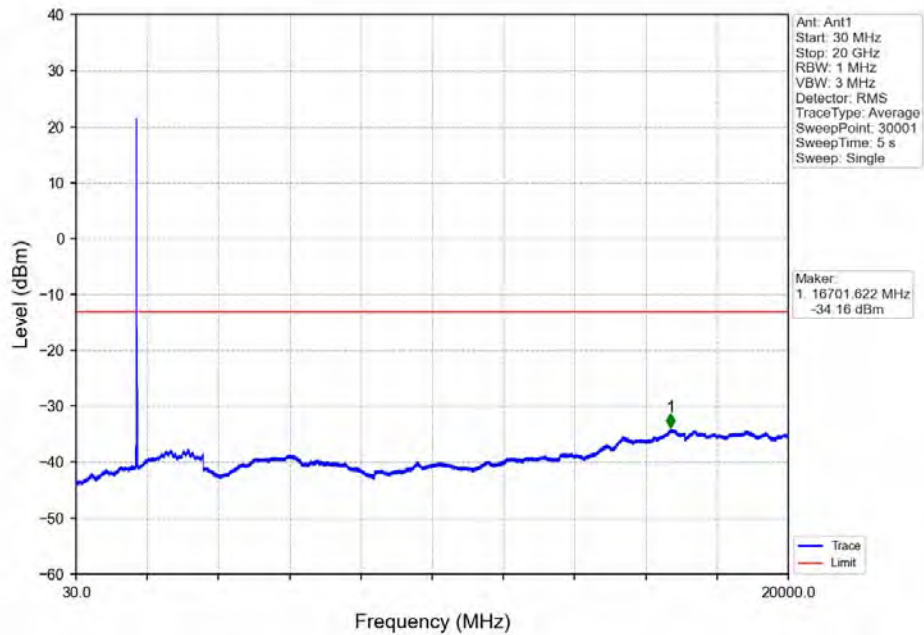


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VERITAS

Test Report No.: W7L-220503W001RF06



Band4\_20MHz\_64QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

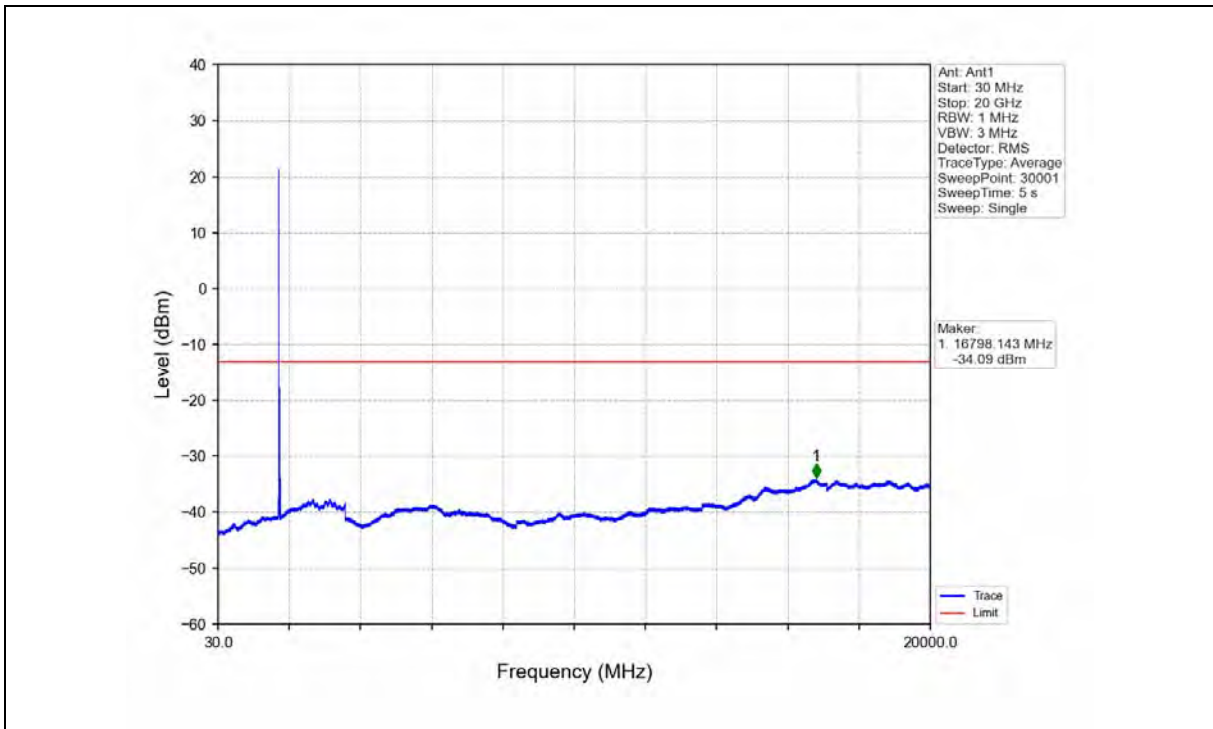


Band4\_20MHz\_64QAM\_HCH\_1745MHz\_RB\_1\_0\_NTNV

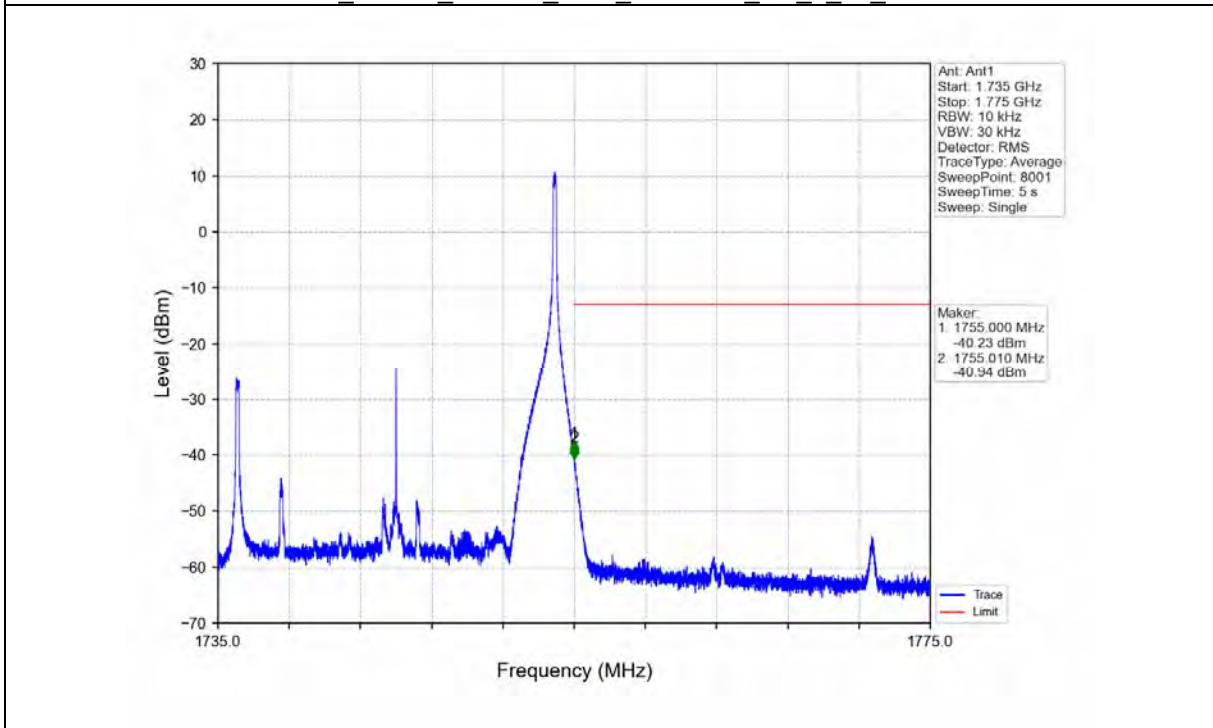


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Test Report No.: W7L-220503W001RF06



Band4\_20MHz\_64QAM\_HCH\_1745MHz\_RB\_1\_99\_NTNV

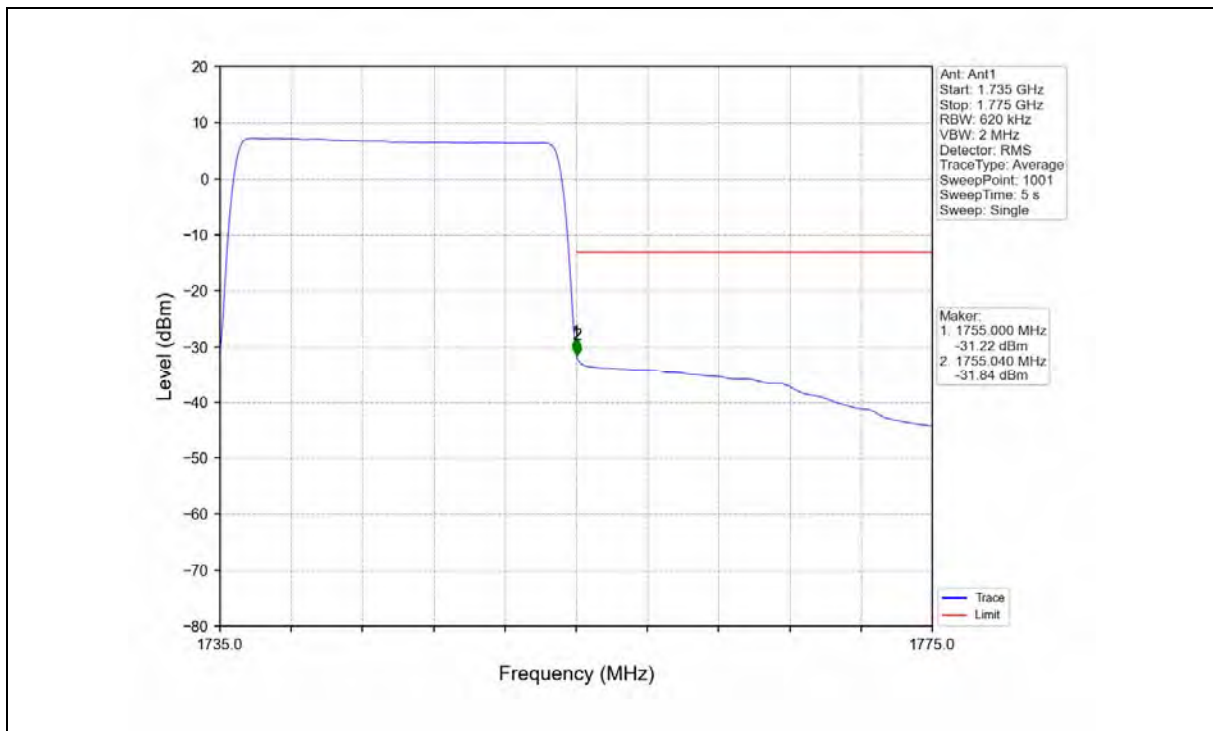


Band4\_20MHz\_64QAM\_HCH\_1745MHz\_RB\_100\_0\_NTNV



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Test Report No.: W7L-220503W001RF06





## APPENDIX B : LTE Band12

### Frequency Stability

B12\_1.4MHz

### Test Result

Band: 12 / 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	699.7	6	0	20	3.27	-13.06	-0.02	-2.5 to 2.5	Pass
					3.85	-9.13	-0.01	-2.5 to 2.5	Pass
					4.43	-5.15	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.17	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.71	-0.01	-2.5 to 2.5	Pass
				10	3.85	-2.83	-0.00	-2.5 to 2.5	Pass
				30	3.85	-5.64	-0.01	-2.5 to 2.5	Pass
				40	3.85	-4.83	-0.01	-2.5 to 2.5	Pass
	50	3.85	-4.79	-0.01	-2.5 to 2.5	Pass			
	707.5	6	0	20	3.27	-2.70	-0.00	-2.5 to 2.5	Pass
					3.85	-7.48	-0.01	-2.5 to 2.5	Pass
					4.43	-9.63	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.52	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.52	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.66	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.09	-0.01	-2.5 to 2.5	Pass
				40	3.85	-7.44	-0.01	-2.5 to 2.5	Pass
	50	3.85	-3.26	-0.00	-2.5 to 2.5	Pass			
	715.3	6	0	20	3.27	-1.82	-0.00	-2.5 to 2.5	Pass
					3.85	-8.21	-0.01	-2.5 to 2.5	Pass
					4.43	-7.40	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-5.67	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.45	-0.01	-2.5 to 2.5	Pass
				10	3.85	-2.85	-0.00	-2.5 to 2.5	Pass
30				3.85	-6.64	-0.01	-2.5 to 2.5	Pass	
40				3.85	-6.39	-0.01	-2.5 to 2.5	Pass	
50	3.85	-6.54	-0.01	-2.5 to 2.5	Pass				
16QAM	699.7	6	0	20	3.27	-8.70	-0.01	-2.5 to 2.5	Pass
					3.85	-3.12	-0.00	-2.5 to 2.5	Pass
					4.43	-8.91	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.07	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.40	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.12	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.35	-0.01	-2.5 to 2.5	Pass
				40	3.85	-6.87	-0.01	-2.5 to 2.5	Pass
	50	3.85	-7.09	-0.01	-2.5 to 2.5	Pass			
	707.5	6	0	20	3.27	-5.48	-0.01	-2.5 to 2.5	Pass
					3.85	-5.44	-0.01	-2.5 to 2.5	Pass





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					4.43	-3.68	-0.01	-2.5 to 2.5	Pass			
				-10	3.85	-1.69	-0.00	-2.5 to 2.5	Pass			
				0	3.85	-6.57	-0.01	-2.5 to 2.5	Pass			
				10	3.85	-2.49	-0.00	-2.5 to 2.5	Pass			
				30	3.85	-7.68	-0.01	-2.5 to 2.5	Pass			
				40	3.85	-7.20	-0.01	-2.5 to 2.5	Pass			
	50	3.85	-10.86	-0.02	-2.5 to 2.5	Pass						
	715.3	6	0	20		3.27	-7.40	-0.01	-2.5 to 2.5	Pass		
						3.85	-5.71	-0.01	-2.5 to 2.5	Pass		
						4.43	-6.39	-0.01	-2.5 to 2.5	Pass		
				-10	3.85	-7.62	-0.01	-2.5 to 2.5	Pass			
				0	3.85	-8.51	-0.01	-2.5 to 2.5	Pass			
				10	3.85	-4.33	-0.01	-2.5 to 2.5	Pass			
		30	3.85	-2.32	-0.00	-2.5 to 2.5	Pass					
		40	3.85	-3.89	-0.01	-2.5 to 2.5	Pass					
		50	3.85	-5.42	-0.01	-2.5 to 2.5	Pass					
		64QAM	699.7	6	0	20		3.27	-2.60	-0.00	-2.5 to 2.5	Pass
								3.85	-6.48	-0.01	-2.5 to 2.5	Pass
							4.43	-6.21	-0.01	-2.5 to 2.5	Pass	
-10	3.85					-6.77	-0.01	-2.5 to 2.5	Pass			
0	3.85					-7.28	-0.01	-2.5 to 2.5	Pass			
10	3.85					-2.50	-0.00	-2.5 to 2.5	Pass			
30	3.85					-5.52	-0.01	-2.5 to 2.5	Pass			
40	3.85					-3.40	-0.00	-2.5 to 2.5	Pass			
50	3.85					-5.09	-0.01	-2.5 to 2.5	Pass			
707.5	6		0	20		3.27	-5.19	-0.01	-2.5 to 2.5	Pass		
						3.85	-4.32	-0.01	-2.5 to 2.5	Pass		
						4.43	-7.27	-0.01	-2.5 to 2.5	Pass		
				-10	3.85	-9.81	-0.01	-2.5 to 2.5	Pass			
				0	3.85	-8.55	-0.01	-2.5 to 2.5	Pass			
				10	3.85	-7.38	-0.01	-2.5 to 2.5	Pass			
				30	3.85	-6.82	-0.01	-2.5 to 2.5	Pass			
				40	3.85	-7.97	-0.01	-2.5 to 2.5	Pass			
				50	3.85	-6.88	-0.01	-2.5 to 2.5	Pass			
715.3	6	0	20		3.27	-11.06	-0.02	-2.5 to 2.5	Pass			
					3.85	-3.39	-0.00	-2.5 to 2.5	Pass			
					4.43	-3.10	-0.00	-2.5 to 2.5	Pass			
			-10	3.85	-3.55	-0.01	-2.5 to 2.5	Pass				
			0	3.85	-7.47	-0.01	-2.5 to 2.5	Pass				
			10	3.85	-8.44	-0.01	-2.5 to 2.5	Pass				
			30	3.85	-9.57	-0.01	-2.5 to 2.5	Pass				
			40	3.85	-7.70	-0.01	-2.5 to 2.5	Pass				
			50	3.85	-9.37	-0.01	-2.5 to 2.5	Pass				

B12\_3MHz

Test Result

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	-10.84	-0.02	-2.5 to 2.5	Pass



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					3.85	-12.49	-0.02	-2.5 to 2.5	Pass	
					4.43	-10.37	-0.01	-2.5 to 2.5	Pass	
				-10	3.85	-8.12	-0.01	-2.5 to 2.5	Pass	
				0	3.85	-3.65	-0.01	-2.5 to 2.5	Pass	
				10	3.85	-5.24	-0.01	-2.5 to 2.5	Pass	
				30	3.85	-5.14	-0.01	-2.5 to 2.5	Pass	
				40	3.85	-7.01	-0.01	-2.5 to 2.5	Pass	
	50	3.85	-4.72	-0.01	-2.5 to 2.5	Pass				
	707.5	15	0	20		3.27	-0.11	-0.00	-2.5 to 2.5	Pass
						3.85	-8.58	-0.01	-2.5 to 2.5	Pass
						4.43	-10.93	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-7.54	-0.01	-2.5 to 2.5	Pass	
				0	3.85	-5.02	-0.01	-2.5 to 2.5	Pass	
				10	3.85	-6.01	-0.01	-2.5 to 2.5	Pass	
				30	3.85	-4.51	-0.01	-2.5 to 2.5	Pass	
				40	3.85	-5.14	-0.01	-2.5 to 2.5	Pass	
	50	3.85	-4.59	-0.01	-2.5 to 2.5	Pass				
	714.5	15	0	20		3.27	-2.60	-0.00	-2.5 to 2.5	Pass
						3.85	-9.24	-0.01	-2.5 to 2.5	Pass
						4.43	-7.70	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-3.45	-0.00	-2.5 to 2.5	Pass	
				0	3.85	-4.89	-0.01	-2.5 to 2.5	Pass	
				10	3.85	-4.42	-0.01	-2.5 to 2.5	Pass	
				30	3.85	-4.02	-0.01	-2.5 to 2.5	Pass	
40				3.85	-7.38	-0.01	-2.5 to 2.5	Pass		
50	3.85	-6.14	-0.01	-2.5 to 2.5	Pass					
16QAM	700.5	15	0	20		3.27	-3.40	-0.00	-2.5 to 2.5	Pass
						3.85	-3.05	-0.00	-2.5 to 2.5	Pass
						4.43	-6.88	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-8.28	-0.01	-2.5 to 2.5	Pass	
				0	3.85	-2.17	-0.00	-2.5 to 2.5	Pass	
				10	3.85	-2.75	-0.00	-2.5 to 2.5	Pass	
				30	3.85	-5.81	-0.01	-2.5 to 2.5	Pass	
				40	3.85	-10.91	-0.02	-2.5 to 2.5	Pass	
	50	3.85	-7.72	-0.01	-2.5 to 2.5	Pass				
	707.5	15	0	20		3.27	-7.70	-0.01	-2.5 to 2.5	Pass
						3.85	-5.11	-0.01	-2.5 to 2.5	Pass
						4.43	-4.46	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-5.75	-0.01	-2.5 to 2.5	Pass	
				0	3.85	-9.21	-0.01	-2.5 to 2.5	Pass	
				10	3.85	-7.44	-0.01	-2.5 to 2.5	Pass	
				30	3.85	-8.63	-0.01	-2.5 to 2.5	Pass	
				40	3.85	-6.50	-0.01	-2.5 to 2.5	Pass	
	50	3.85	-9.23	-0.01	-2.5 to 2.5	Pass				
	714.5	15	0	20		3.27	-5.32	-0.01	-2.5 to 2.5	Pass
						3.85	-6.87	-0.01	-2.5 to 2.5	Pass
						4.43	-7.12	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-5.95	-0.01	-2.5 to 2.5	Pass	
				0	3.85	-9.51	-0.01	-2.5 to 2.5	Pass	
				10	3.85	-12.35	-0.02	-2.5 to 2.5	Pass	
30				3.85	-6.25	-0.01	-2.5 to 2.5	Pass		
40				3.85	-10.24	-0.01	-2.5 to 2.5	Pass		
50	3.85	-10.81	-0.02	-2.5 to 2.5	Pass					



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**Test Report No.: W7L-220503W001RF06**

64QAM	700.5	15	0	20	3.27	-11.09	-0.02	-2.5 to 2.5	Pass			
					3.85	-11.16	-0.02	-2.5 to 2.5	Pass			
					4.43	-10.91	-0.02	-2.5 to 2.5	Pass			
				707.5	15	0	-10	3.85	-6.58	-0.01	-2.5 to 2.5	Pass
							0	3.85	-7.27	-0.01	-2.5 to 2.5	Pass
							10	3.85	-8.21	-0.01	-2.5 to 2.5	Pass
							30	3.85	-7.65	-0.01	-2.5 to 2.5	Pass
							40	3.85	-2.20	-0.00	-2.5 to 2.5	Pass
	50	3.85	-5.38				-0.01	-2.5 to 2.5	Pass			
	714.5	15	0				20	3.27	-7.32	-0.01	-2.5 to 2.5	Pass
				3.85	-10.61	-0.01		-2.5 to 2.5	Pass			
				4.43	-5.38	-0.01		-2.5 to 2.5	Pass			
				701.5	15	0	-10	3.85	-5.46	-0.01	-2.5 to 2.5	Pass
							0	3.85	-6.85	-0.01	-2.5 to 2.5	Pass
							10	3.85	-8.08	-0.01	-2.5 to 2.5	Pass
							30	3.85	-4.12	-0.01	-2.5 to 2.5	Pass
							40	3.85	-5.21	-0.01	-2.5 to 2.5	Pass
	50	3.85	-9.00				-0.01	-2.5 to 2.5	Pass			
	701.5	15	0				20	3.27	-9.71	-0.01	-2.5 to 2.5	Pass
				3.85	-7.08	-0.01		-2.5 to 2.5	Pass			
				4.43	-3.35	-0.00		-2.5 to 2.5	Pass			
				707.5	15	0	-10	3.85	-7.75	-0.01	-2.5 to 2.5	Pass
							0	3.85	-6.85	-0.01	-2.5 to 2.5	Pass
							10	3.85	-6.82	-0.01	-2.5 to 2.5	Pass
30							3.85	-4.41	-0.01	-2.5 to 2.5	Pass	
40							3.85	-6.61	-0.01	-2.5 to 2.5	Pass	
50	3.85	-5.71	-0.01				-2.5 to 2.5	Pass				

B12\_5MHz

**Test Result**

Band: 12 / Bandwidth: 5MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	701.5	25	0	20	3.27	-11.69	-0.02	-2.5 to 2.5	Pass			
					3.85	-9.34	-0.01	-2.5 to 2.5	Pass			
					4.43	-7.21	-0.01	-2.5 to 2.5	Pass			
				707.5	25	0	-10	3.85	-6.59	-0.01	-2.5 to 2.5	Pass
							0	3.85	-8.30	-0.01	-2.5 to 2.5	Pass
							10	3.85	-7.31	-0.01	-2.5 to 2.5	Pass
							30	3.85	-6.15	-0.01	-2.5 to 2.5	Pass
							40	3.85	-8.98	-0.01	-2.5 to 2.5	Pass
	50	3.85	-6.38				-0.01	-2.5 to 2.5	Pass			
	701.5	25	0				20	3.27	-6.15	-0.01	-2.5 to 2.5	Pass
				3.85	-10.90	-0.02		-2.5 to 2.5	Pass			
				4.43	-10.33	-0.01		-2.5 to 2.5	Pass			
				707.5	25	0	-10	3.85	-7.55	-0.01	-2.5 to 2.5	Pass
							0	3.85	-6.24	-0.01	-2.5 to 2.5	Pass
							10	3.85	-5.87	-0.01	-2.5 to 2.5	Pass
							30	3.85	-4.75	-0.01	-2.5 to 2.5	Pass
40							3.85	-8.57	-0.01	-2.5 to 2.5	Pass	



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	713.5	25	0	50	3.85	-7.87	-0.01	-2.5 to 2.5	Pass
				20	3.27	-6.87	-0.01	-2.5 to 2.5	Pass
					3.85	-8.15	-0.01	-2.5 to 2.5	Pass
					4.43	-4.25	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-4.63	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.42	-0.01	-2.5 to 2.5	Pass
				10	3.85	-6.75	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.44	-0.01	-2.5 to 2.5	Pass
				40	3.85	-6.67	-0.01	-2.5 to 2.5	Pass
50	3.85	-5.31	-0.01	-2.5 to 2.5	Pass				
16QAM	701.5	25	0	20	3.27	-7.02	-0.01	-2.5 to 2.5	Pass
					3.85	-3.18	-0.00	-2.5 to 2.5	Pass
					4.43	-6.01	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.68	-0.01	-2.5 to 2.5	Pass
				0	3.85	-6.71	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.55	-0.01	-2.5 to 2.5	Pass
				30	3.85	-2.89	-0.00	-2.5 to 2.5	Pass
				40	3.85	-3.69	-0.01	-2.5 to 2.5	Pass
				50	3.85	-2.55	-0.00	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-6.92	-0.01	-2.5 to 2.5	Pass
					3.85	-5.25	-0.01	-2.5 to 2.5	Pass
					4.43	-7.37	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-8.00	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.34	-0.01	-2.5 to 2.5	Pass
				10	3.85	-5.76	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.78	-0.01	-2.5 to 2.5	Pass
				40	3.85	-6.89	-0.01	-2.5 to 2.5	Pass
				50	3.85	-10.37	-0.01	-2.5 to 2.5	Pass
713.5	25	0	20	3.27	-7.81	-0.01	-2.5 to 2.5	Pass	
				3.85	-7.92	-0.01	-2.5 to 2.5	Pass	
				4.43	-3.43	-0.00	-2.5 to 2.5	Pass	
			-10	3.85	-3.23	-0.00	-2.5 to 2.5	Pass	
			0	3.85	-5.15	-0.01	-2.5 to 2.5	Pass	
			10	3.85	-4.19	-0.01	-2.5 to 2.5	Pass	
			30	3.85	-7.85	-0.01	-2.5 to 2.5	Pass	
			40	3.85	-8.38	-0.01	-2.5 to 2.5	Pass	
			50	3.85	-9.93	-0.01	-2.5 to 2.5	Pass	
64QAM	701.5	25	0	20	3.27	-2.53	-0.00	-2.5 to 2.5	Pass
					3.85	-4.86	-0.01	-2.5 to 2.5	Pass
					4.43	-5.05	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-9.03	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.75	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.10	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.81	-0.01	-2.5 to 2.5	Pass
				40	3.85	-7.25	-0.01	-2.5 to 2.5	Pass
				50	3.85	-2.98	-0.00	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-5.96	-0.01	-2.5 to 2.5	Pass
					3.85	-4.72	-0.01	-2.5 to 2.5	Pass
					4.43	-3.81	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-4.52	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.19	-0.01	-2.5 to 2.5	Pass
				10	3.85	-6.31	-0.01	-2.5 to 2.5	Pass
				30	3.85	-6.31	-0.01	-2.5 to 2.5	Pass



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	713.5	25	0	40	3.85	-6.14	-0.01	-2.5 to 2.5	Pass
				50	3.85	-9.56	-0.01	-2.5 to 2.5	Pass
				20	3.27	-7.28	-0.01	-2.5 to 2.5	Pass
					3.85	-7.52	-0.01	-2.5 to 2.5	Pass
					4.43	-8.38	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.87	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.31	-0.01	-2.5 to 2.5	Pass
				10	3.85	-5.48	-0.01	-2.5 to 2.5	Pass
				30	3.85	-8.14	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.16	-0.01	-2.5 to 2.5	Pass
				50	3.85	-3.00	-0.00	-2.5 to 2.5	Pass

B12\_10MHz

**Test Result**

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	-10.04	-0.01	-2.5 to 2.5	Pass
					3.85	-5.14	-0.01	-2.5 to 2.5	Pass
					4.43	-6.31	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-5.25	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.05	-0.01	-2.5 to 2.5	Pass
				10	3.85	-5.59	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.48	-0.01	-2.5 to 2.5	Pass
				40	3.85	-6.41	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.50	-0.01	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-5.55	-0.01	-2.5 to 2.5	Pass
					3.85	-6.44	-0.01	-2.5 to 2.5	Pass
					4.43	-6.94	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-5.25	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.95	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.47	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.01	-0.01	-2.5 to 2.5	Pass
				40	3.85	-6.61	-0.01	-2.5 to 2.5	Pass
	50	3.85	-5.44	-0.01	-2.5 to 2.5	Pass			
	711	50	0	20	3.27	-4.36	-0.01	-2.5 to 2.5	Pass
					3.85	-6.34	-0.01	-2.5 to 2.5	Pass
					4.43	-4.09	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-5.72	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.09	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.07	-0.01	-2.5 to 2.5	Pass
30				3.85	-7.48	-0.01	-2.5 to 2.5	Pass	
40				3.85	-6.11	-0.01	-2.5 to 2.5	Pass	
50	3.85	-4.74	-0.01	-2.5 to 2.5	Pass				
16QAM	704	50	0	20	3.27	-5.49	-0.01	-2.5 to 2.5	Pass
					3.85	-6.34	-0.01	-2.5 to 2.5	Pass
					4.43	-7.24	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.72	-0.01	-2.5 to 2.5	Pass
				0	3.85	-3.43	-0.00	-2.5 to 2.5	Pass



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				10	3.85	-7.80	-0.01	-2.5 to 2.5	Pass	
				30	3.85	-7.14	-0.01	-2.5 to 2.5	Pass	
				40	3.85	-7.70	-0.01	-2.5 to 2.5	Pass	
				50	3.85	-5.78	-0.01	-2.5 to 2.5	Pass	
	707.5	50	0	20	3.27	-4.48	-0.01	-2.5 to 2.5	Pass	
					3.85	-5.71	-0.01	-2.5 to 2.5	Pass	
					4.43	-5.26	-0.01	-2.5 to 2.5	Pass	
				-10	3.85	-6.25	-0.01	-2.5 to 2.5	Pass	
				0	3.85	-4.96	-0.01	-2.5 to 2.5	Pass	
				10	3.85	-3.50	-0.01	-2.5 to 2.5	Pass	
				30	3.85	-7.28	-0.01	-2.5 to 2.5	Pass	
				40	3.85	-6.35	-0.01	-2.5 to 2.5	Pass	
				50	3.85	-6.04	-0.01	-2.5 to 2.5	Pass	
				711	50	0	20	3.27	-8.03	-0.01
	3.85	-7.87	-0.01					-2.5 to 2.5	Pass	
	4.43	-4.52	-0.01					-2.5 to 2.5	Pass	
	-10	3.85	-4.51				-0.01	-2.5 to 2.5	Pass	
	0	3.85	-7.11				-0.01	-2.5 to 2.5	Pass	
	10	3.85	-7.35				-0.01	-2.5 to 2.5	Pass	
	30	3.85	-7.20				-0.01	-2.5 to 2.5	Pass	
	40	3.85	-7.12				-0.01	-2.5 to 2.5	Pass	
	50	3.85	-7.65	-0.01	-2.5 to 2.5	Pass				
	64QAM	704	50	0	20	3.27	-6.61	-0.01	-2.5 to 2.5	Pass
						3.85	-4.74	-0.01	-2.5 to 2.5	Pass
4.43						-6.55	-0.01	-2.5 to 2.5	Pass	
-10					3.85	-2.92	-0.00	-2.5 to 2.5	Pass	
0					3.85	-5.81	-0.01	-2.5 to 2.5	Pass	
10					3.85	-6.18	-0.01	-2.5 to 2.5	Pass	
30					3.85	-5.24	-0.01	-2.5 to 2.5	Pass	
40					3.85	-3.69	-0.01	-2.5 to 2.5	Pass	
50		3.85	-4.54	-0.01	-2.5 to 2.5	Pass				
707.5		50	0	20	3.27	-5.84	-0.01	-2.5 to 2.5	Pass	
					3.85	-3.28	-0.00	-2.5 to 2.5	Pass	
					4.43	-7.22	-0.01	-2.5 to 2.5	Pass	
				-10	3.85	-6.25	-0.01	-2.5 to 2.5	Pass	
				0	3.85	-5.24	-0.01	-2.5 to 2.5	Pass	
				10	3.85	-7.04	-0.01	-2.5 to 2.5	Pass	
				30	3.85	-8.50	-0.01	-2.5 to 2.5	Pass	
				40	3.85	-7.48	-0.01	-2.5 to 2.5	Pass	
50		3.85	-6.74	-0.01	-2.5 to 2.5	Pass				
711		50	0	20	3.27	-4.83	-0.01	-2.5 to 2.5	Pass	
					3.85	-4.69	-0.01	-2.5 to 2.5	Pass	
					4.43	-3.53	-0.01	-2.5 to 2.5	Pass	
				-10	3.85	-7.80	-0.01	-2.5 to 2.5	Pass	
				0	3.85	-7.01	-0.01	-2.5 to 2.5	Pass	
				10	3.85	-4.76	-0.01	-2.5 to 2.5	Pass	
	30			3.85	-5.89	-0.01	-2.5 to 2.5	Pass		
	40			3.85	-8.61	-0.01	-2.5 to 2.5	Pass		
50	3.85	-7.18	-0.01	-2.5 to 2.5	Pass					



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## 99% & 26dB Bandwidth

99%\_OBW

### Test Result

Band: 12 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.111	Pass
		707.5	6	0	1.118	Pass
		715.3	6	0	1.120	Pass
	16QAM	699.7	6	0	1.104	Pass
		707.5	6	0	1.113	Pass
		715.3	6	0	1.119	Pass
	64QAM	699.7	6	0	1.115	Pass
		707.5	6	0	1.109	Pass
		715.3	6	0	1.112	Pass
3	QPSK	700.5	15	0	2.722	Pass
		707.5	15	0	2.728	Pass
		714.5	15	0	2.736	Pass
	16QAM	700.5	15	0	2.710	Pass
		707.5	15	0	2.720	Pass
		714.5	15	0	2.728	Pass
	64QAM	700.5	15	0	2.732	Pass
		707.5	15	0	2.722	Pass
		714.5	15	0	2.730	Pass
5	QPSK	701.5	25	0	4.594	Pass
		707.5	25	0	4.568	Pass
		713.5	25	0	4.578	Pass
	16QAM	701.5	25	0	4.577	Pass
		707.5	25	0	4.559	Pass
		713.5	25	0	4.597	Pass
	64QAM	701.5	25	0	4.570	Pass
		707.5	25	0	4.585	Pass
		713.5	25	0	4.583	Pass
10	QPSK	704	50	0	9.084	Pass
		707.5	50	0	9.050	Pass
		711	50	0	9.086	Pass
	16QAM	704	50	0	9.117	Pass
		707.5	50	0	9.057	Pass
		711	50	0	9.109	Pass
	64QAM	704	50	0	9.101	Pass
		707.5	50	0	9.031	Pass



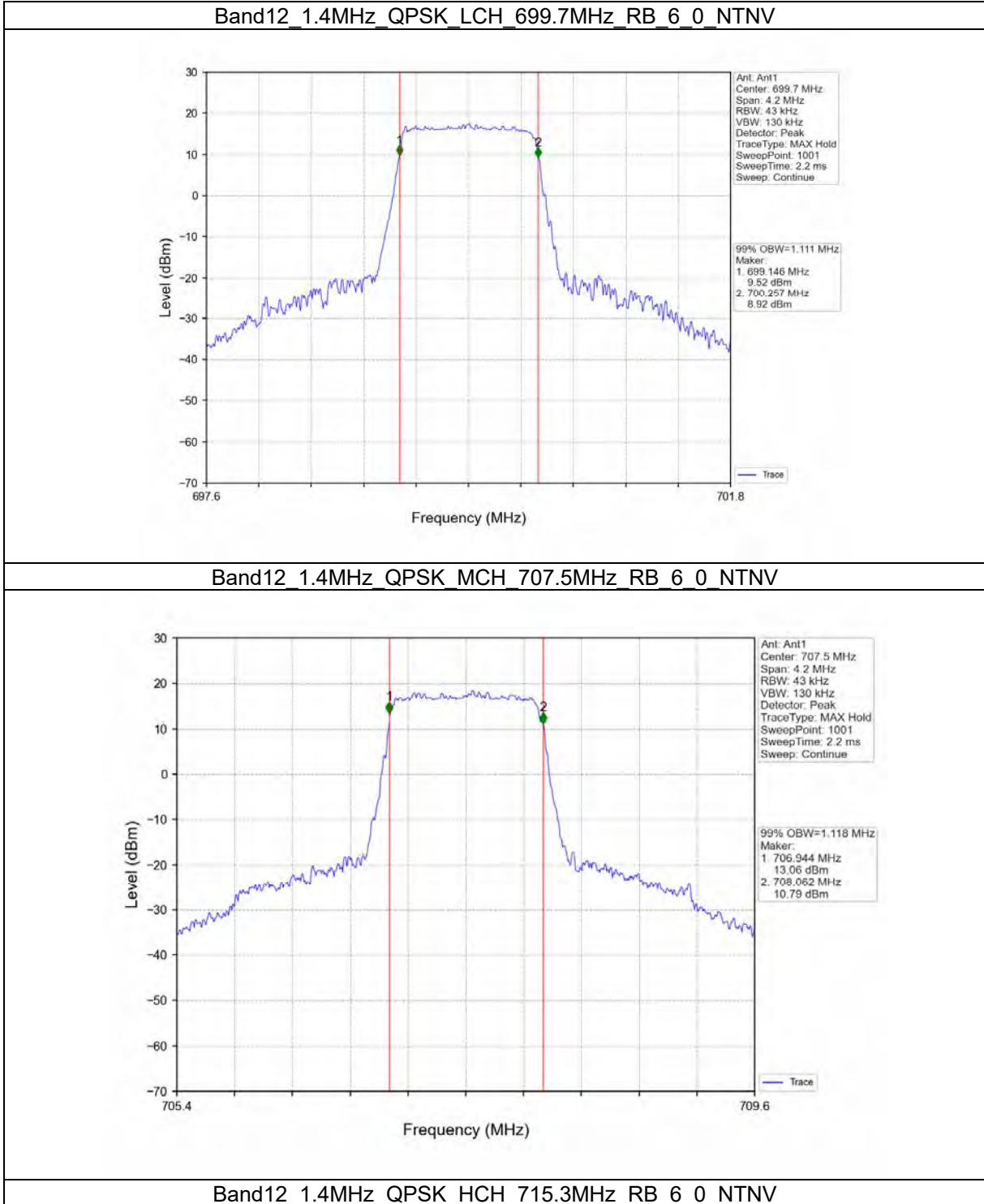
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		711	50	0	9.083	Pass
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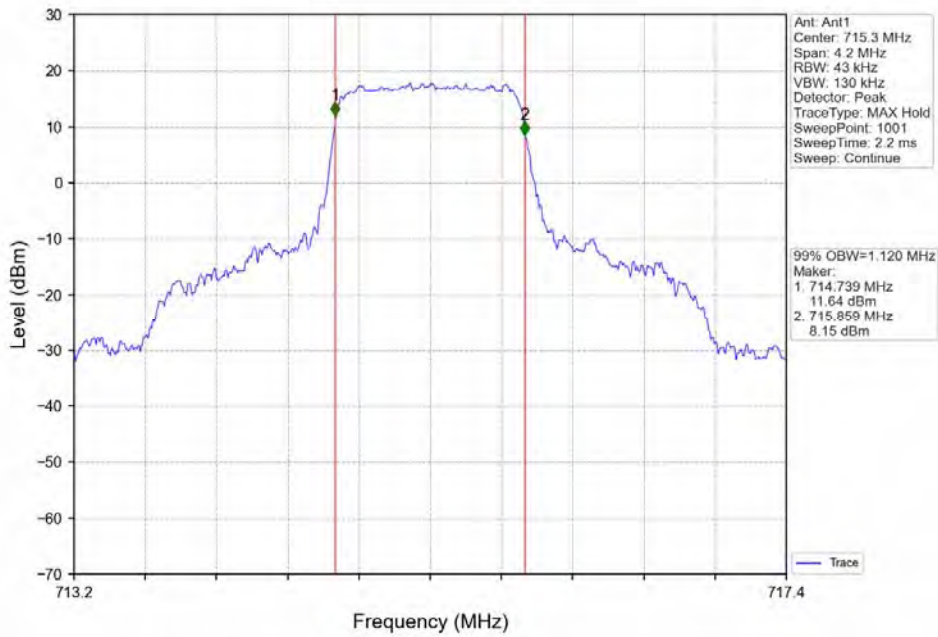
Test Graph



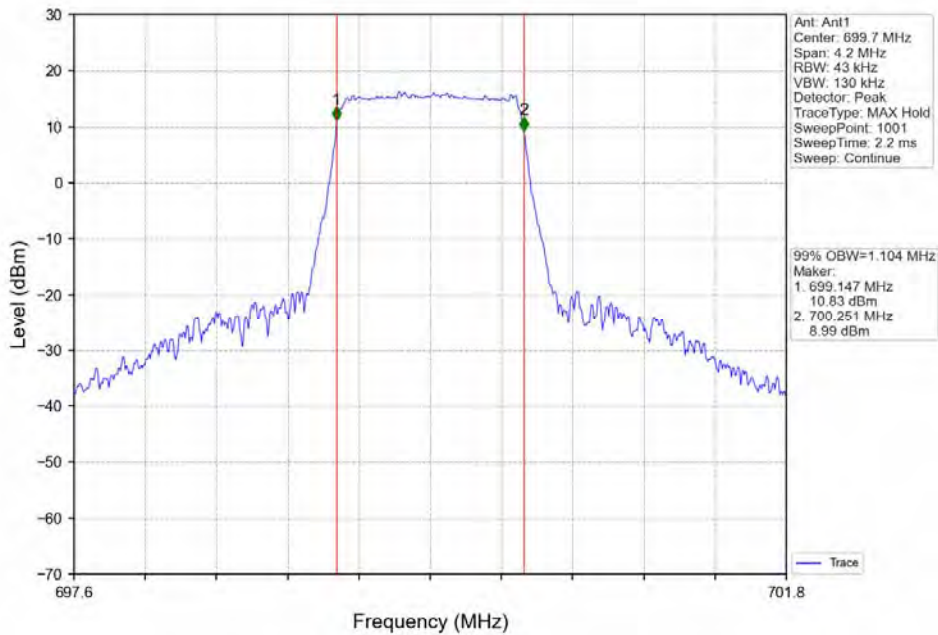


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Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV

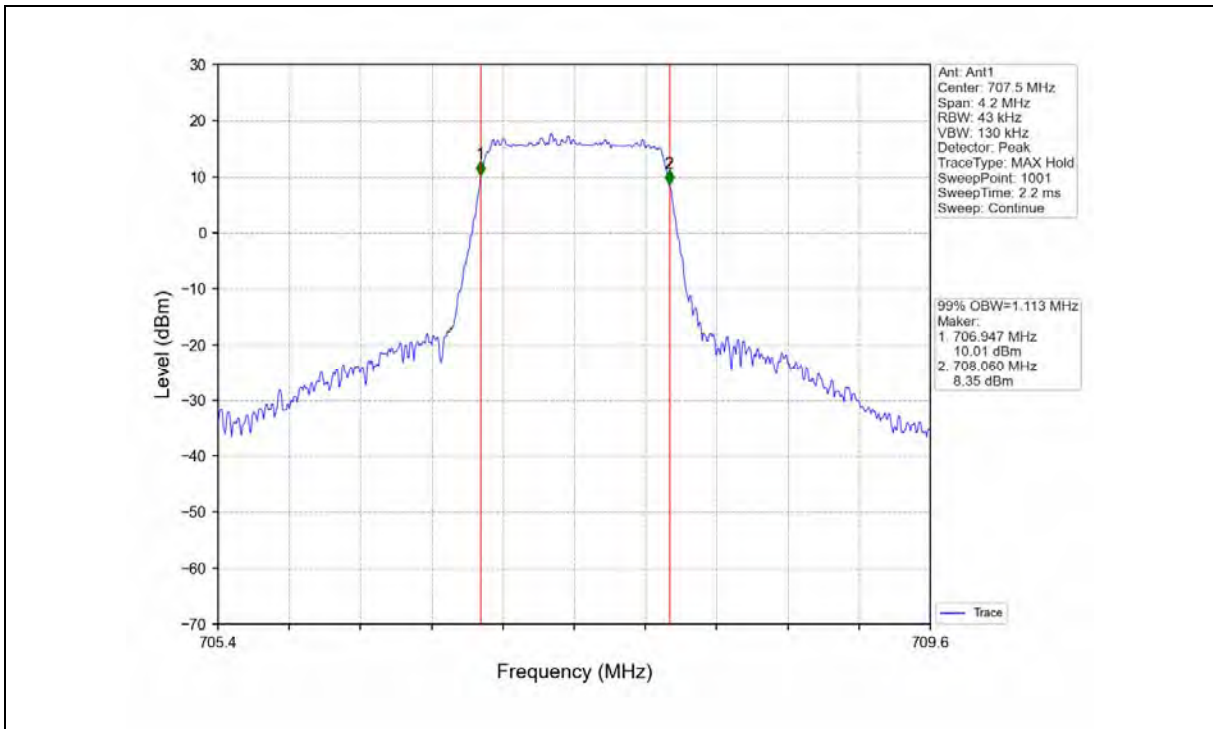


Band12\_1.4MHz\_16QAM\_MCH\_707.5MHz\_RB\_6\_0\_NTNV

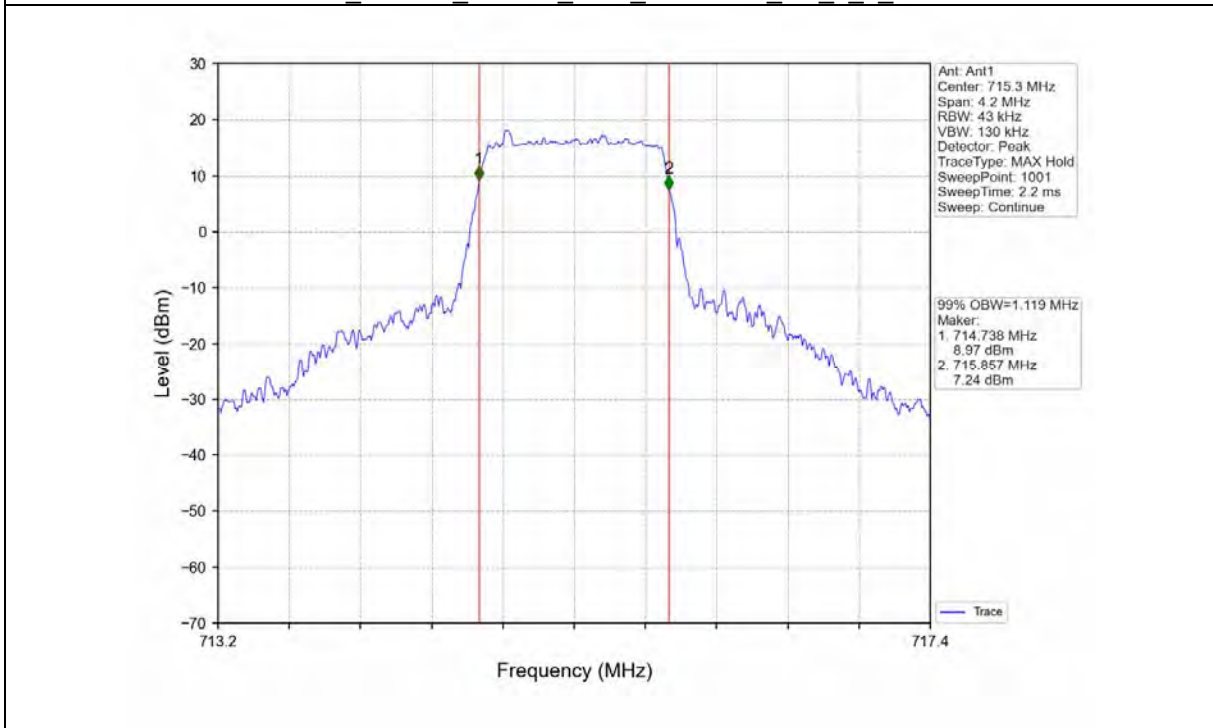


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Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_16QAM\_HCH\_715.3MHz\_RB\_6\_0\_NTNV

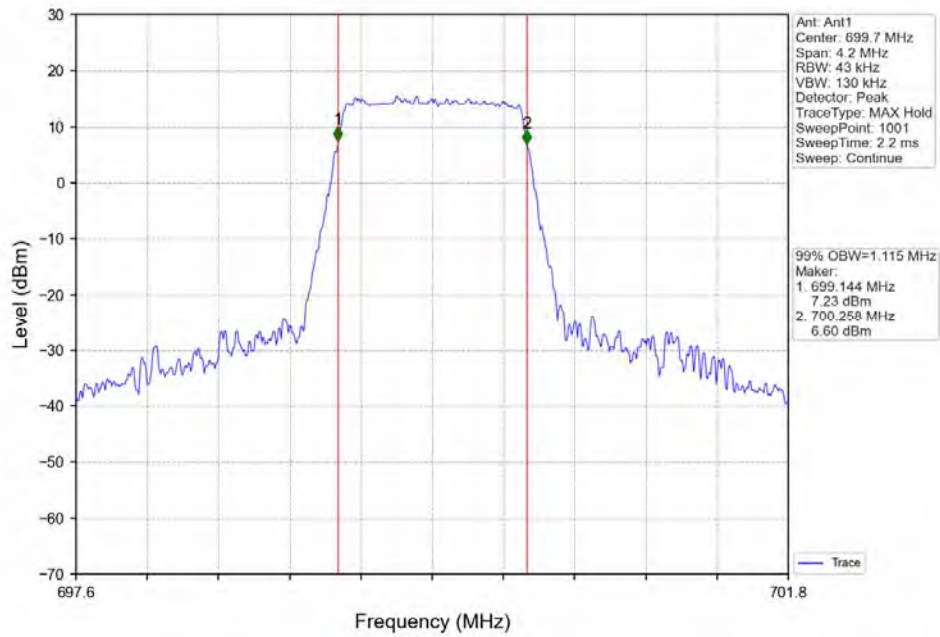


Band12\_1.4MHz\_64QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV

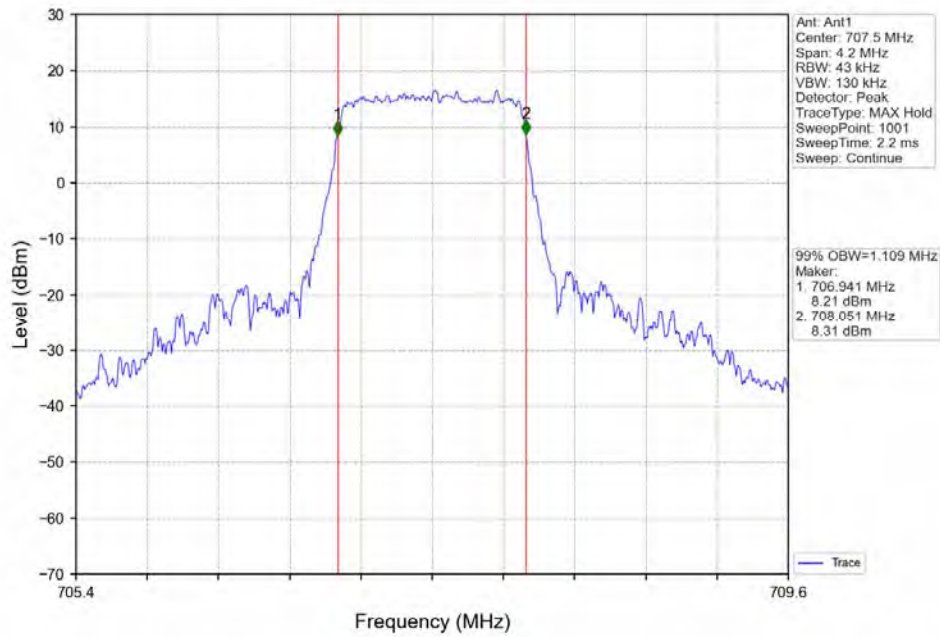


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_64QAM\_MCH\_707.5MHz\_RB\_6\_0\_NTNV

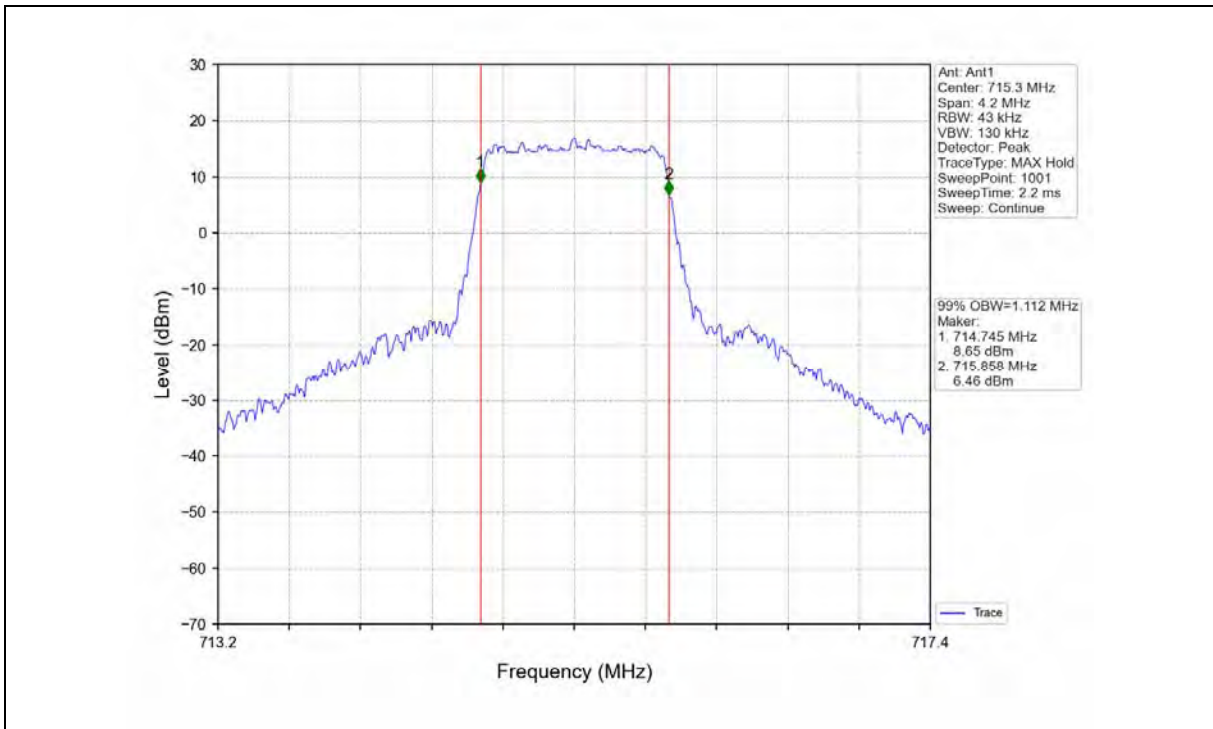


Band12\_1.4MHz\_64QAM\_HCH\_715.3MHz\_RB\_6\_0\_NTNV

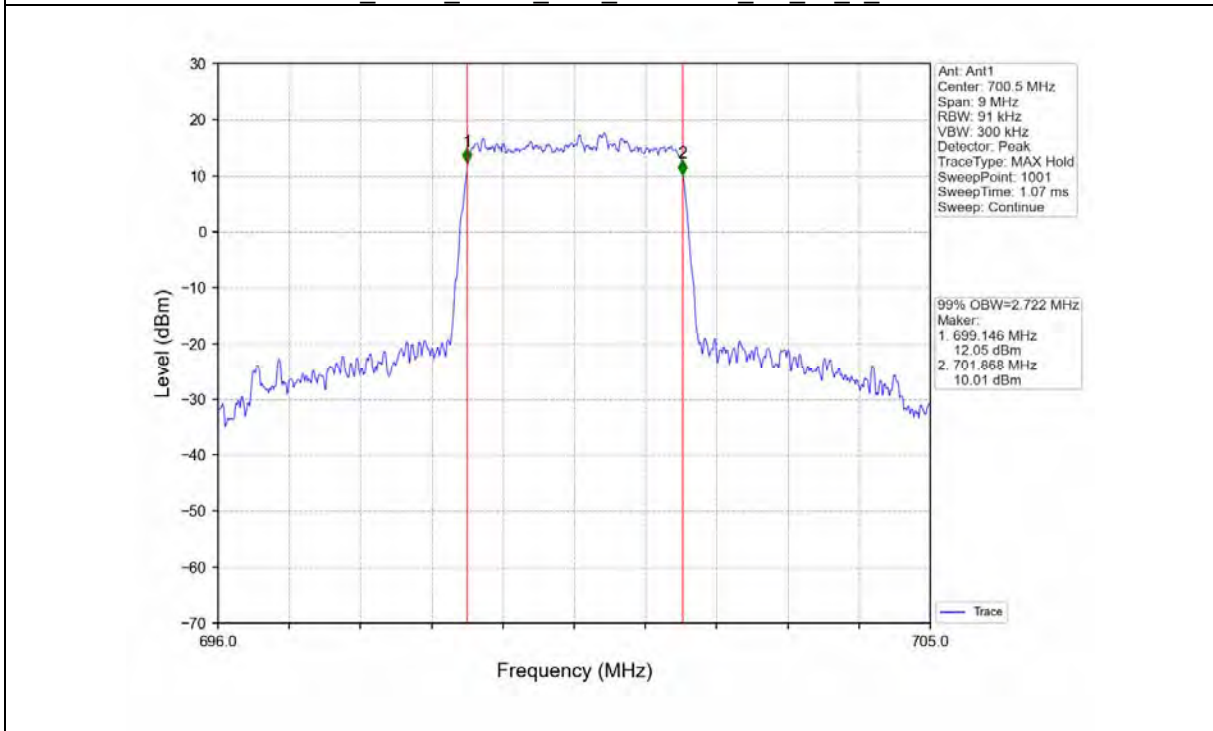


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_QPSK\_LCH\_700.5MHz\_RB\_15\_0\_NTNV

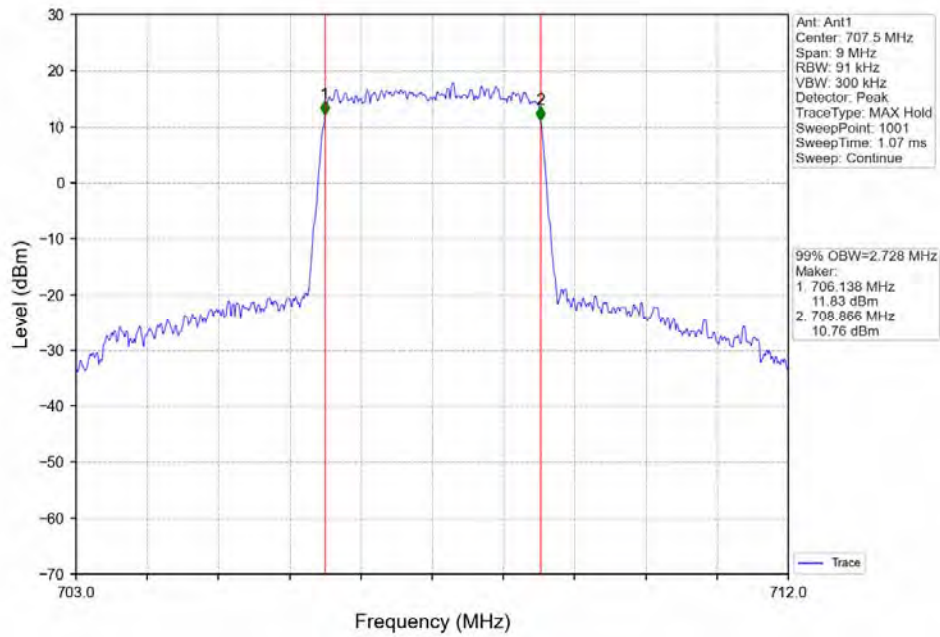


Band12\_3MHz\_QPSK\_MCH\_707.5MHz\_RB\_15\_0\_NTNV

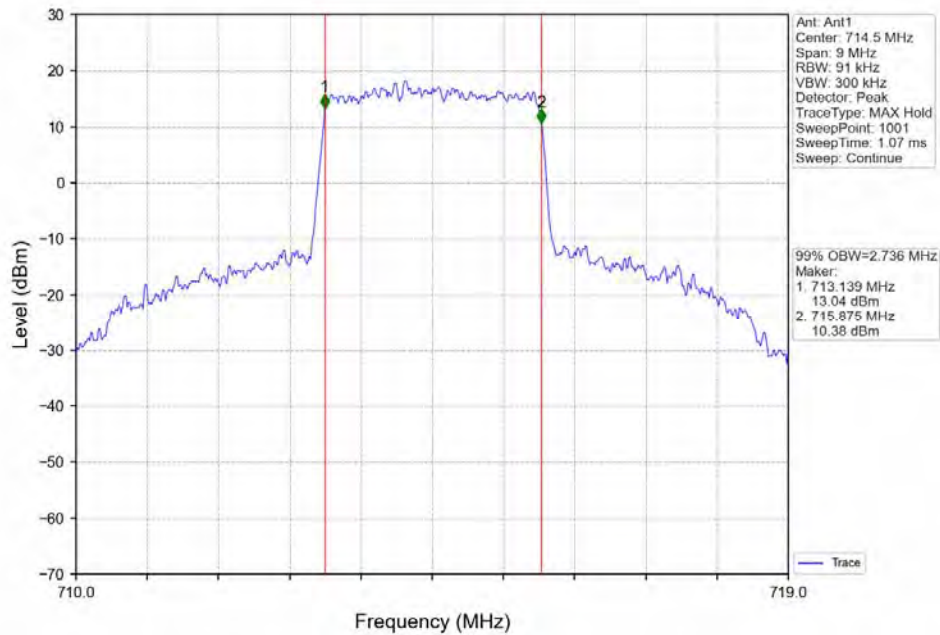


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Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_QPSK\_HCH\_714.5MHz\_RB\_15\_0\_NTNV

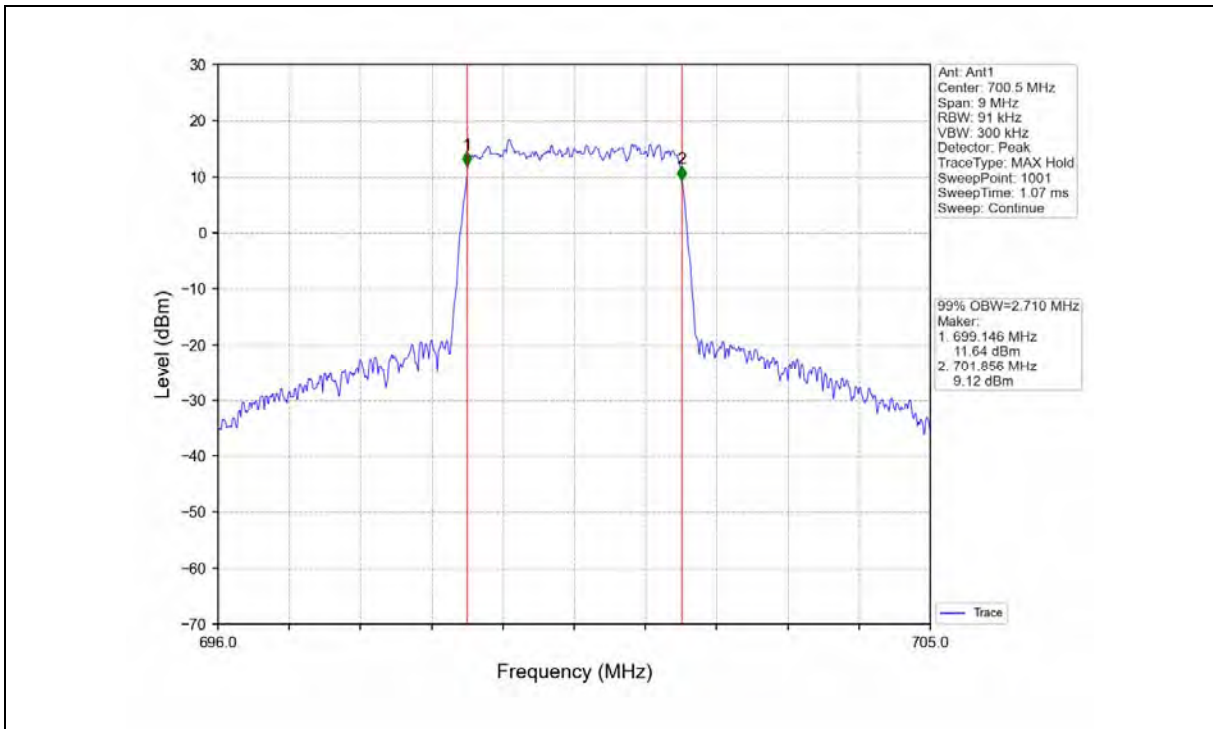


Band12\_3MHz\_16QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV

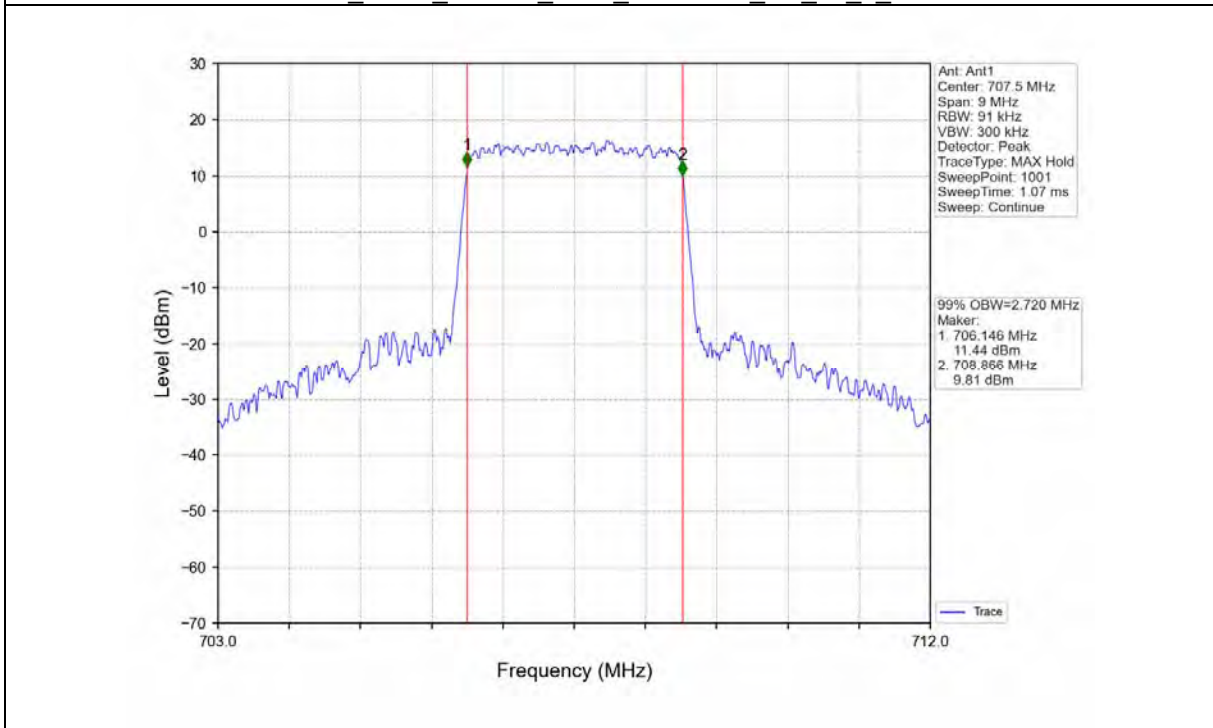


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Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_16QAM\_MCH\_707.5MHz\_RB\_15\_0\_NTNV

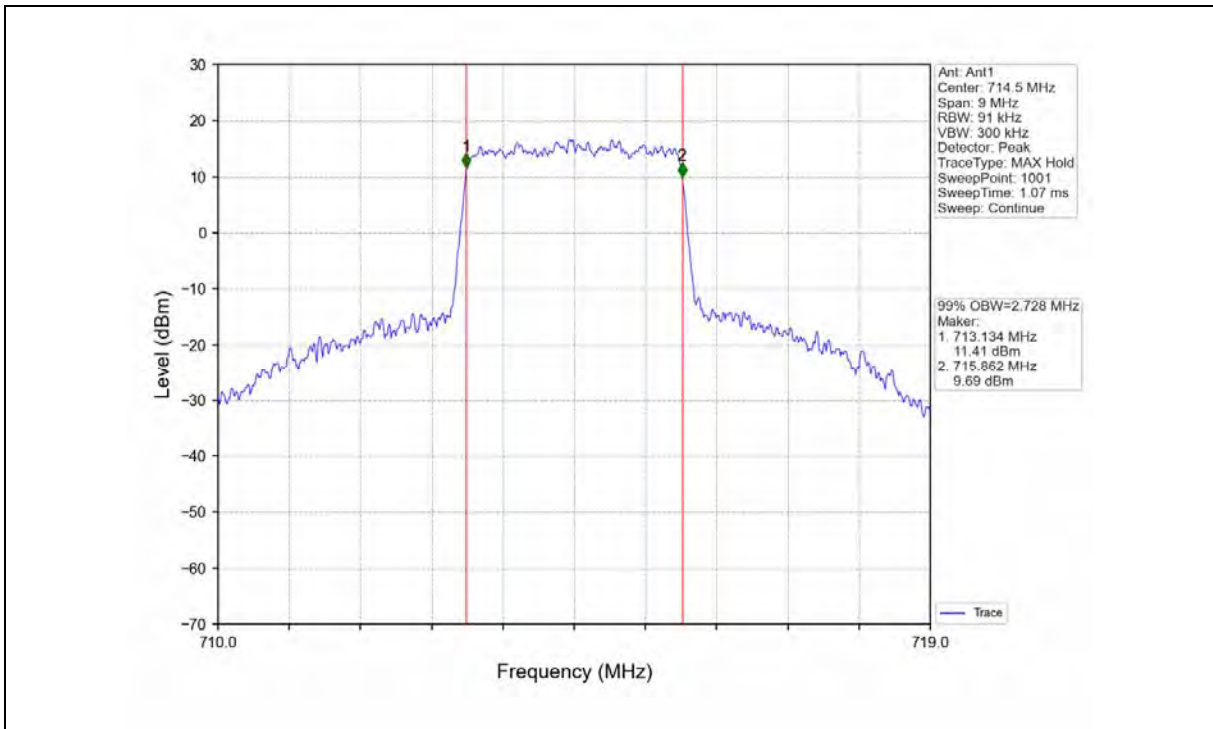


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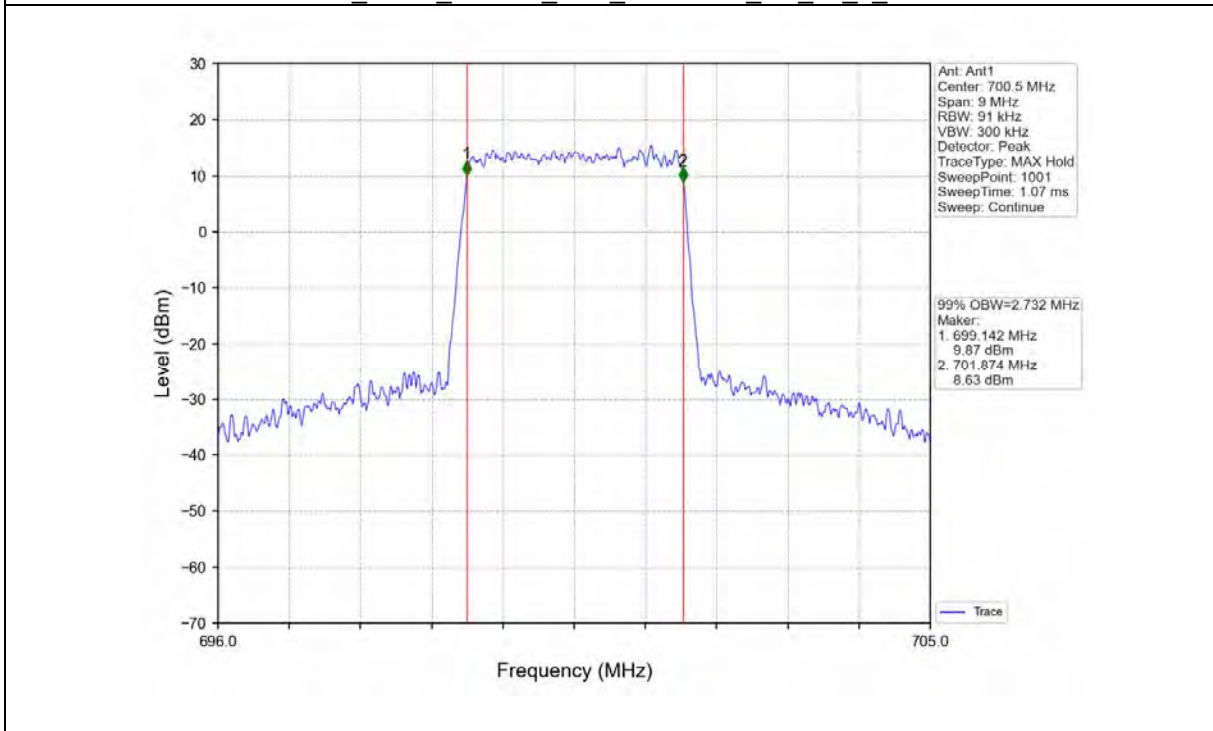


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Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_64QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV



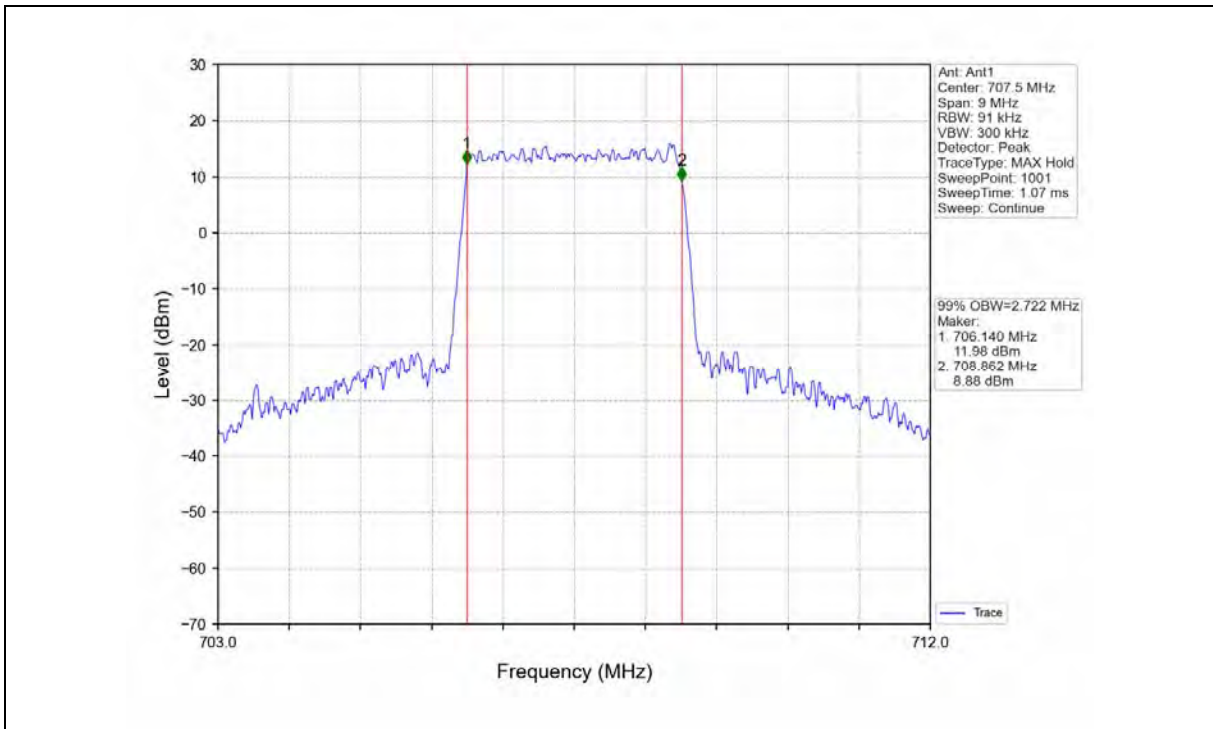
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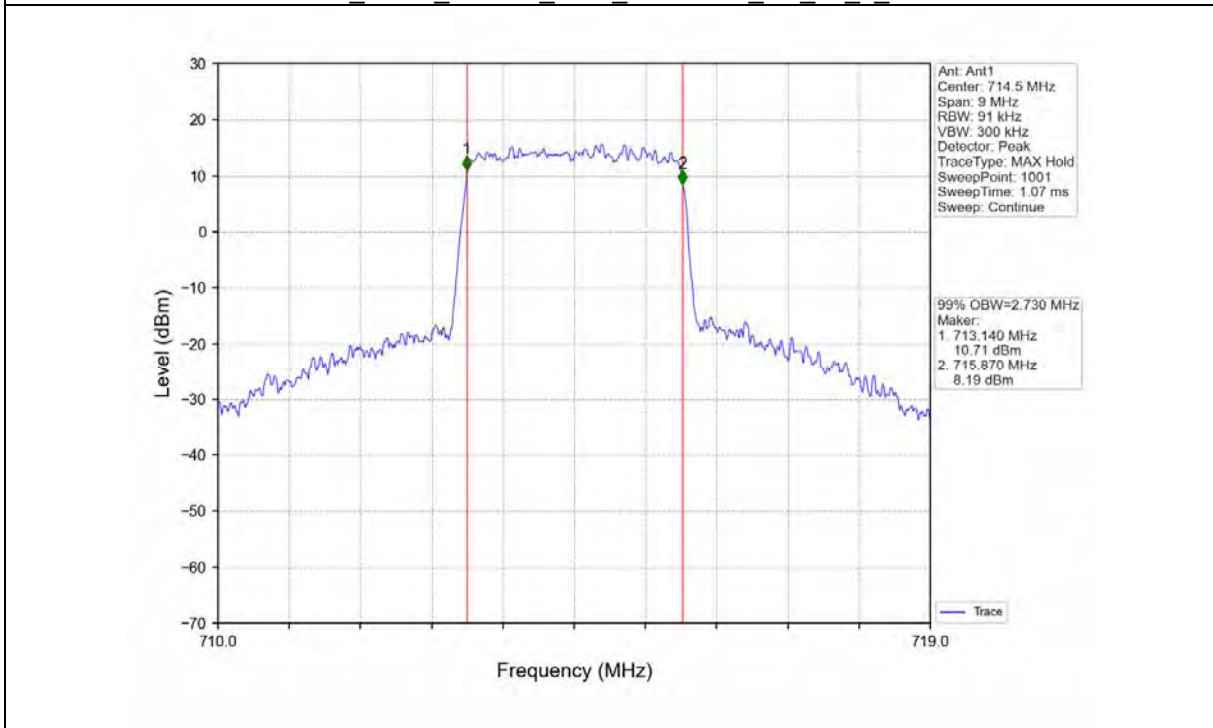


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Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_64QAM\_HCH\_714.5MHz\_RB\_15\_0\_NTNV

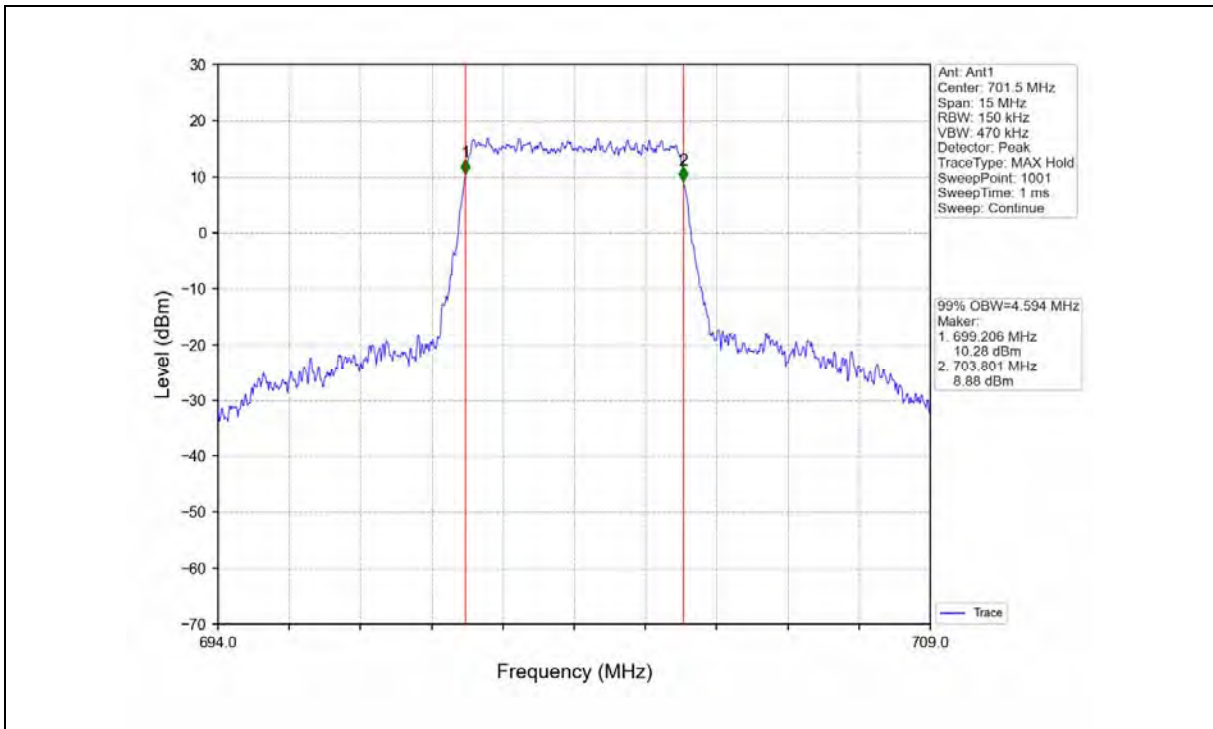


Band12\_5MHz\_QPSK\_LCH\_701.5MHz\_RB\_25\_0\_NTNV

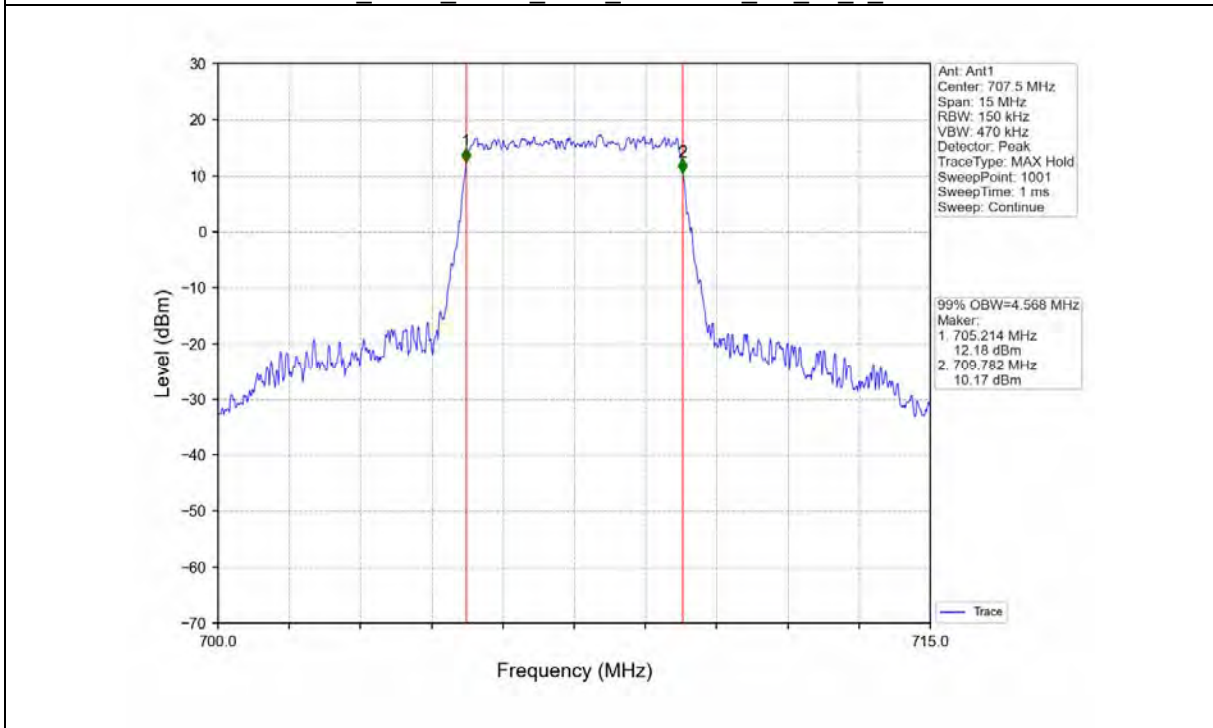


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Band12\_5MHz\_QPSK\_MCH\_707.5MHz\_RB\_25\_0\_NTNV

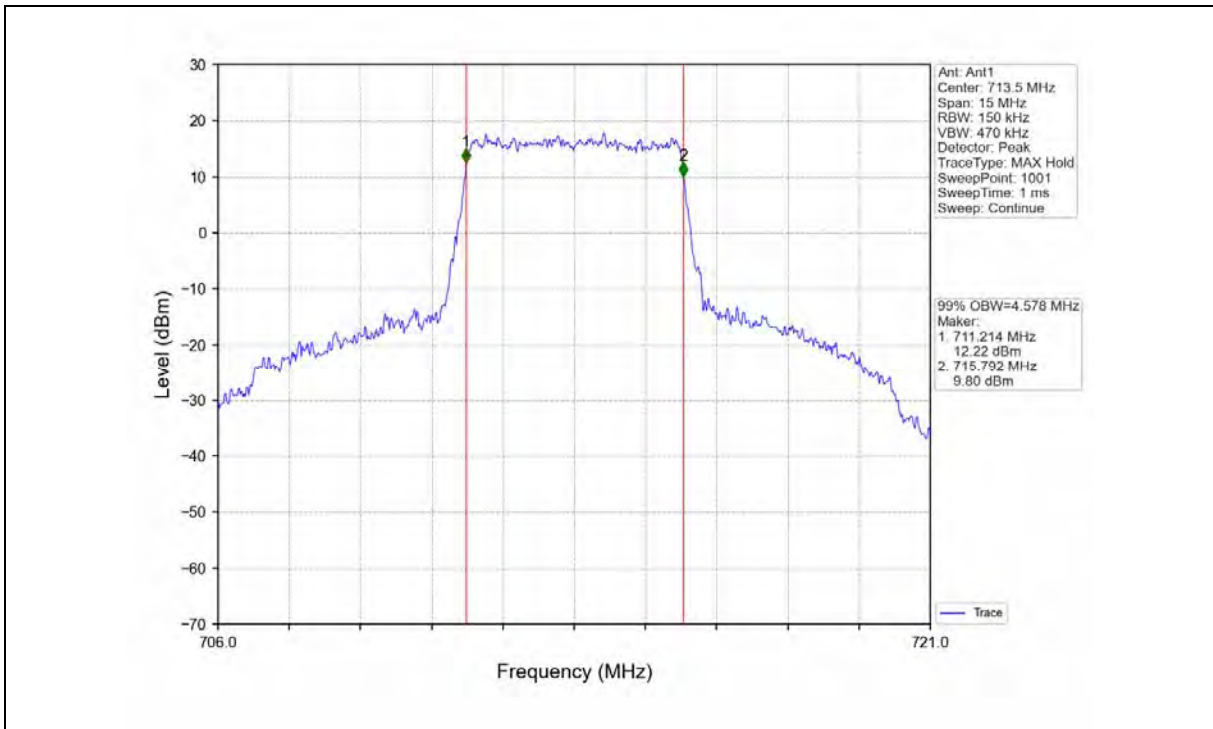


Band12\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV

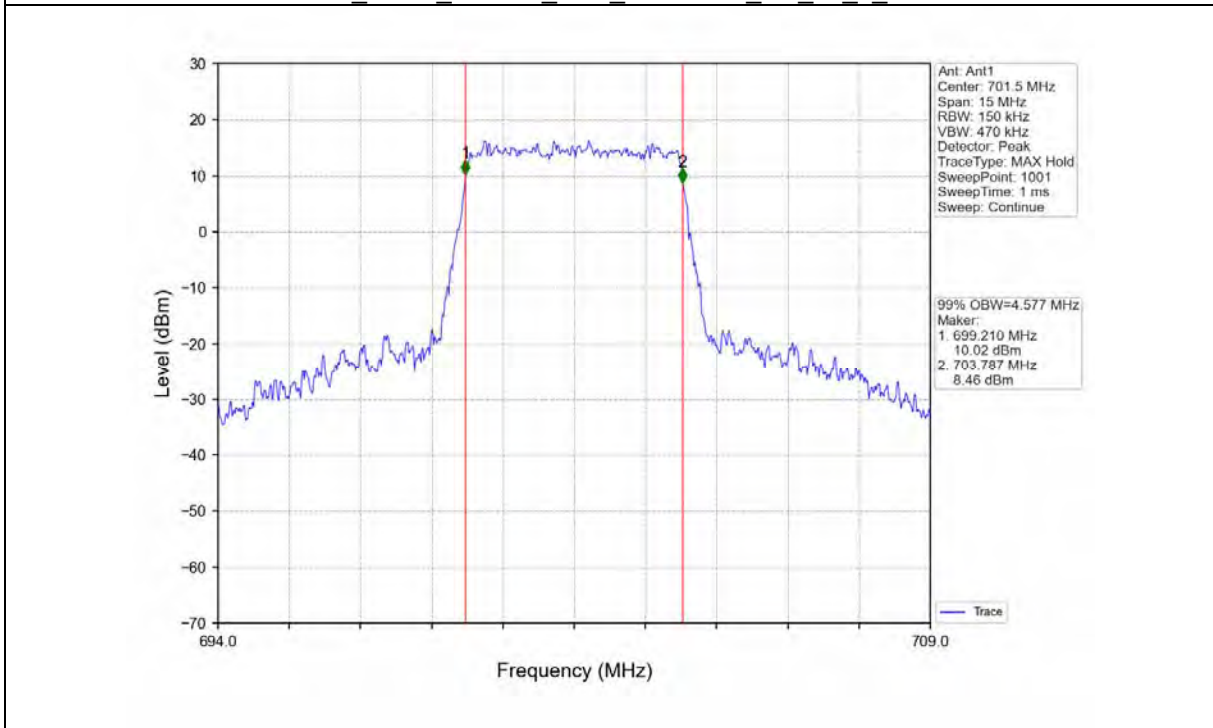


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Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_16QAM\_LCH\_701.5MHz\_RB\_25\_0\_NTNV

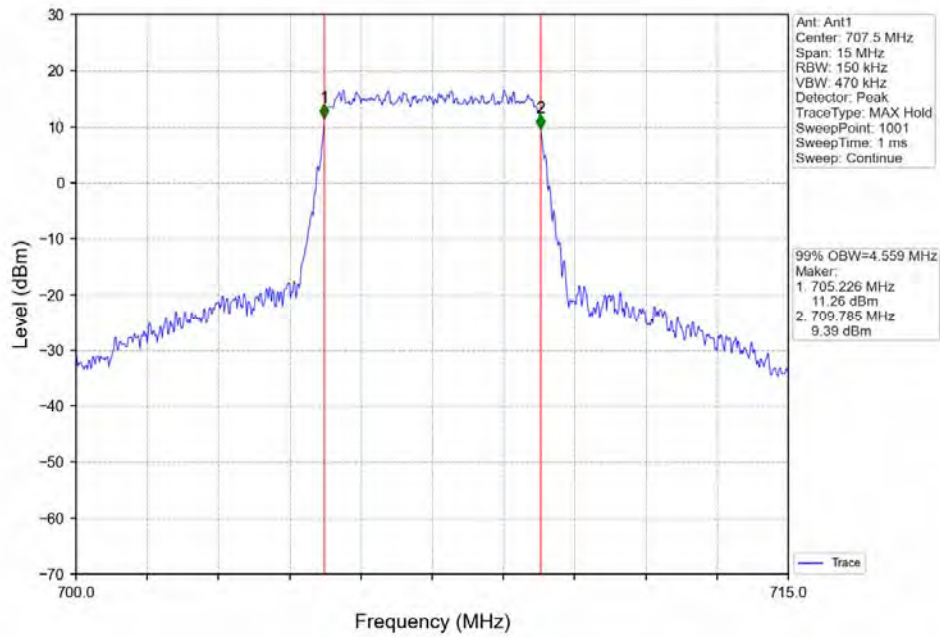


Band12\_5MHz\_16QAM\_MCH\_707.5MHz\_RB\_25\_0\_NTNV

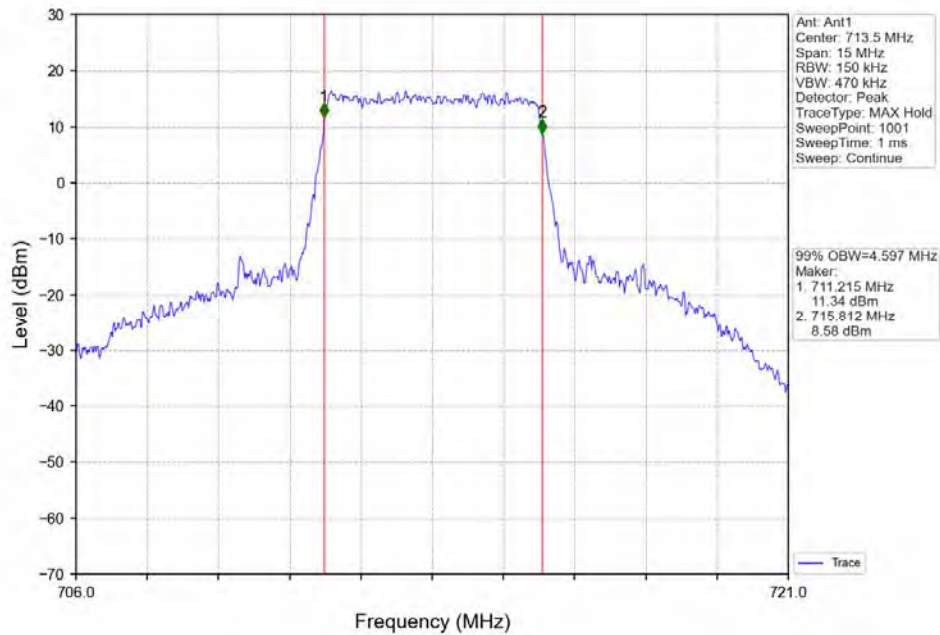


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV

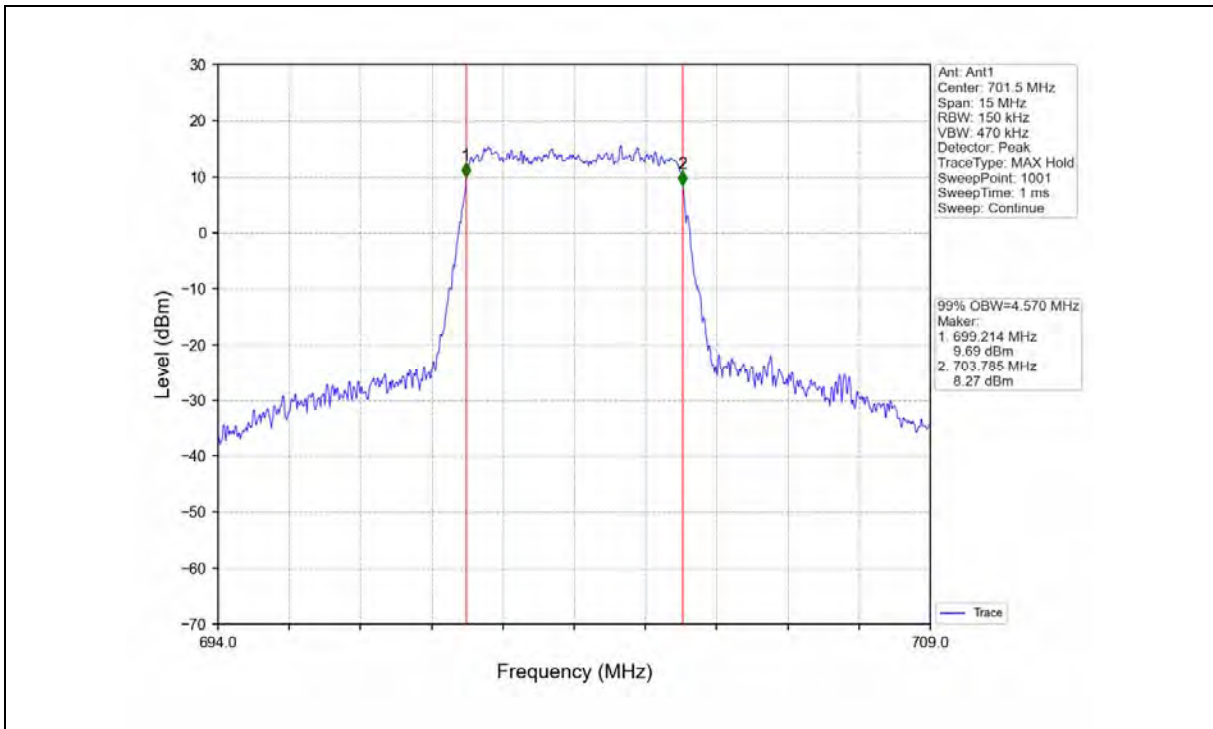


Band12\_5MHz\_64QAM\_LCH\_701.5MHz\_RB\_25\_0\_NTNV

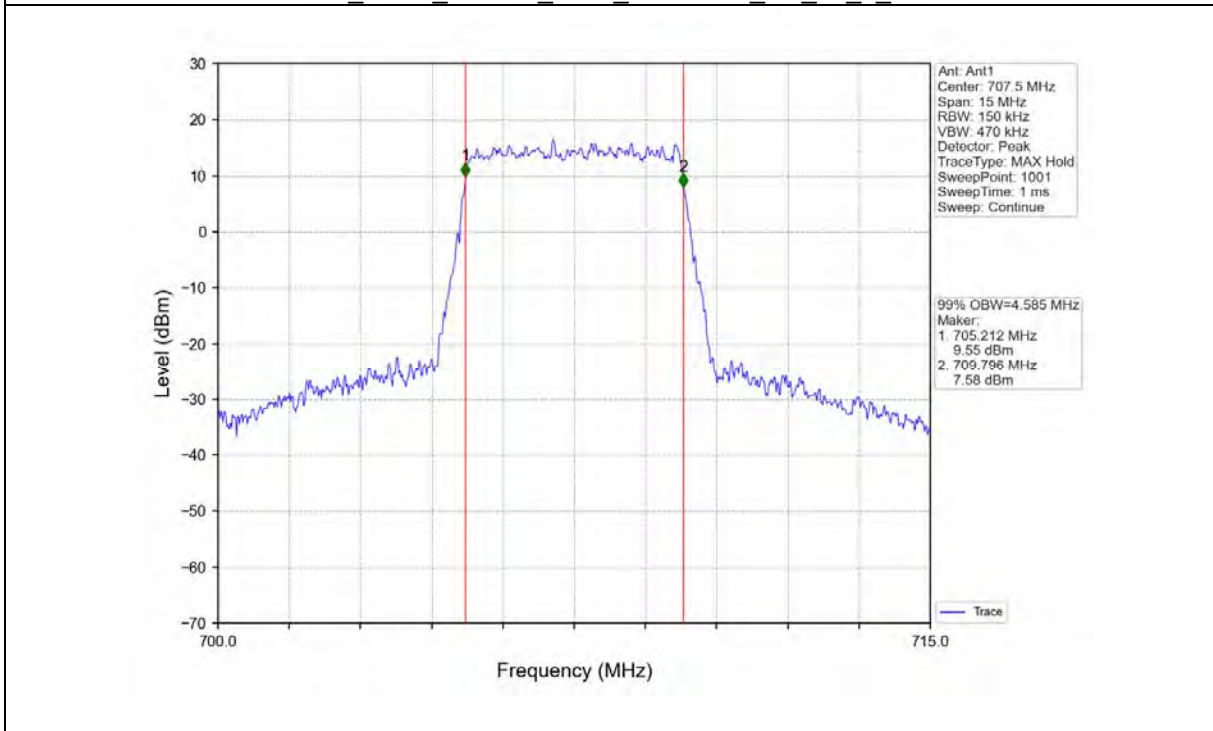


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_64QAM\_MCH\_707.5MHz\_RB\_25\_0\_NTNV

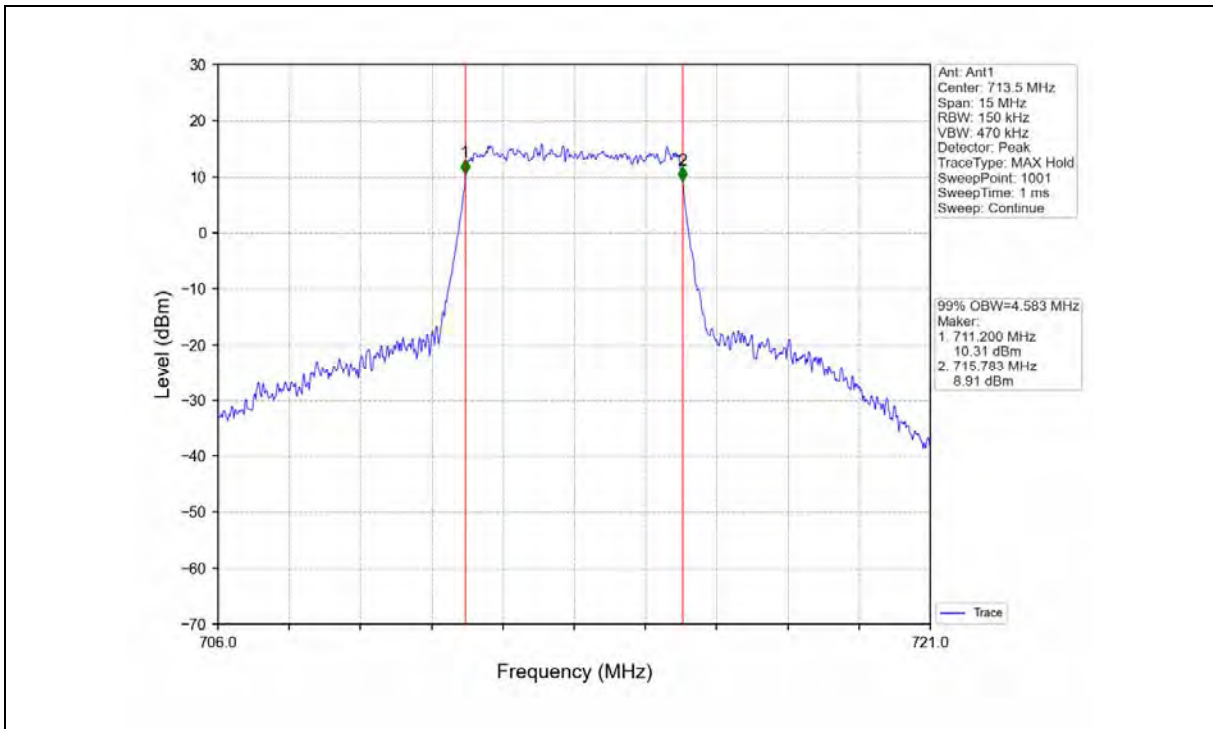


Band12\_5MHz\_64QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV

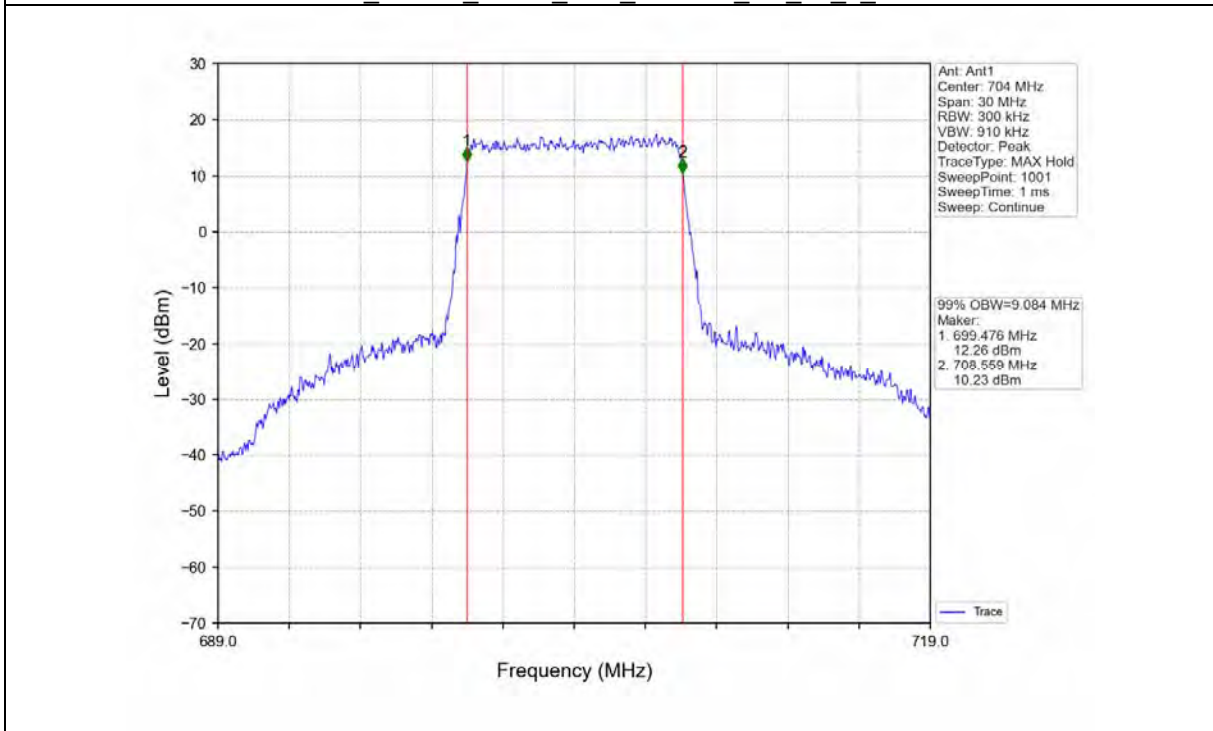


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Test Report No.: W7L-220503W001RF06



Band12\_10MHz\_QPSK\_LCH\_704MHz\_RB\_50\_0\_NTNV

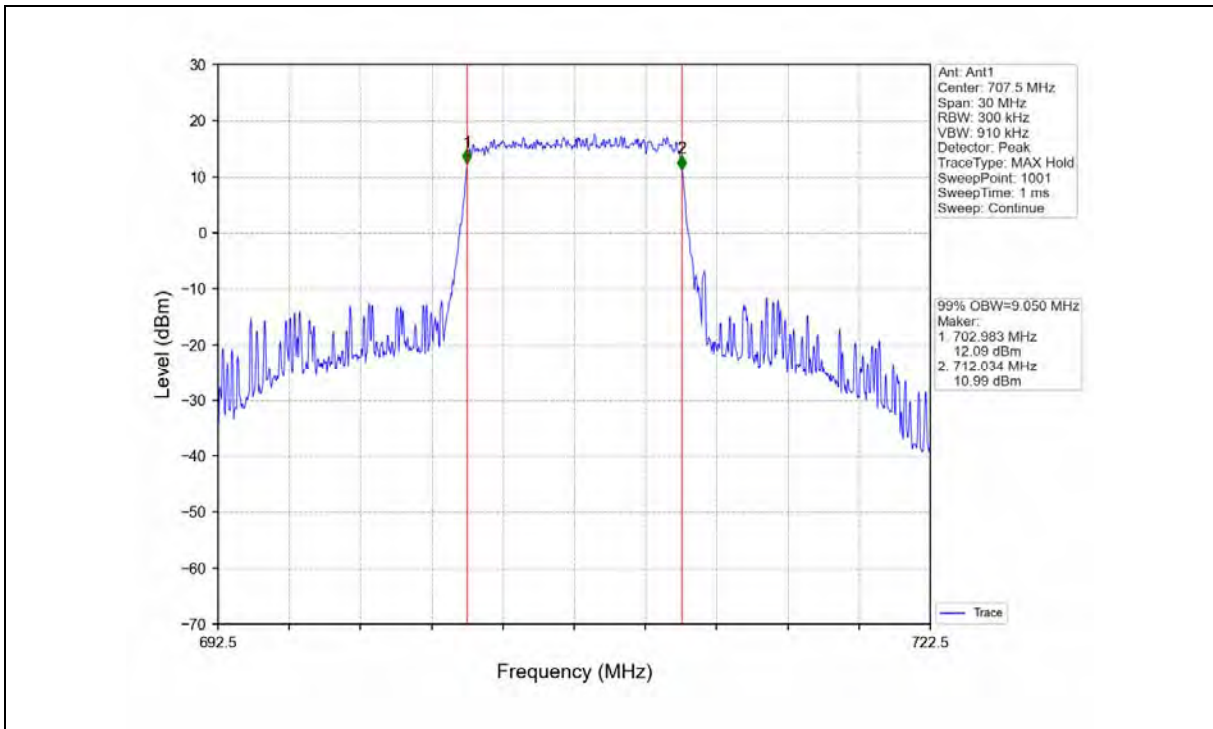


Band12\_10MHz\_QPSK\_MCH\_707.5MHz\_RB\_50\_0\_NTNV

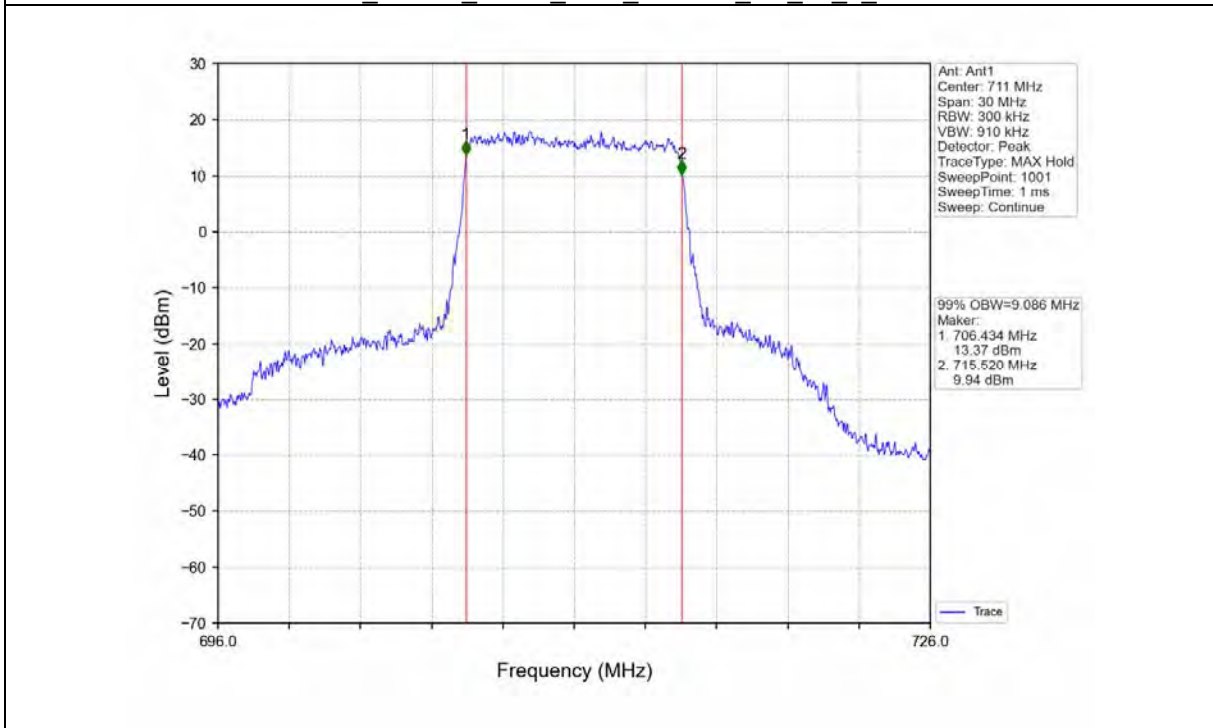


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV

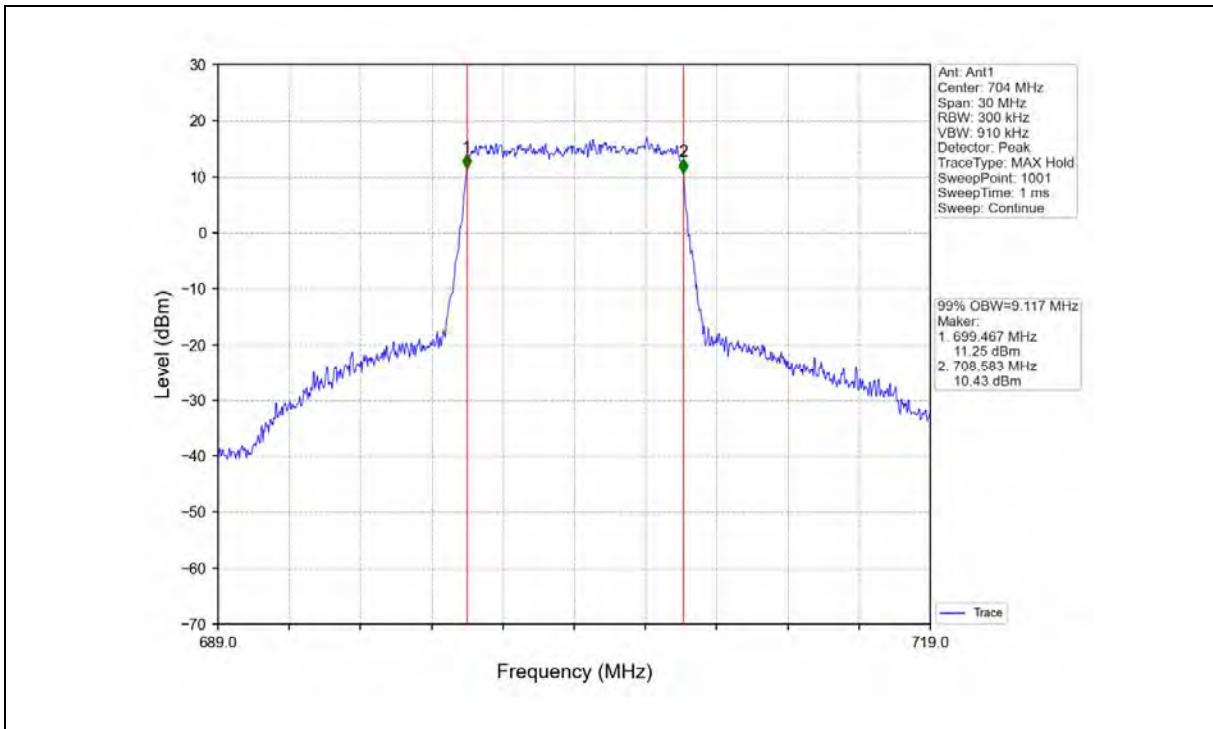


Band12\_10MHz\_16QAM\_LCH\_704MHz\_RB\_50\_0\_NTNV

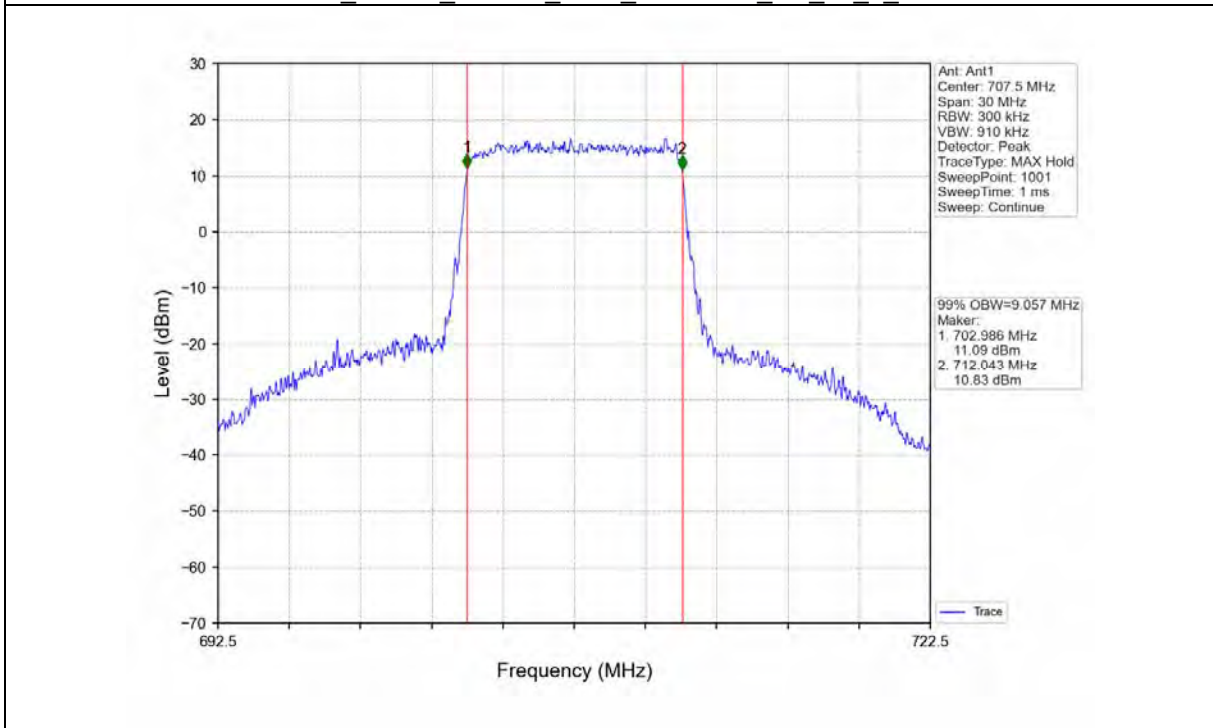


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_10MHz\_16QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV



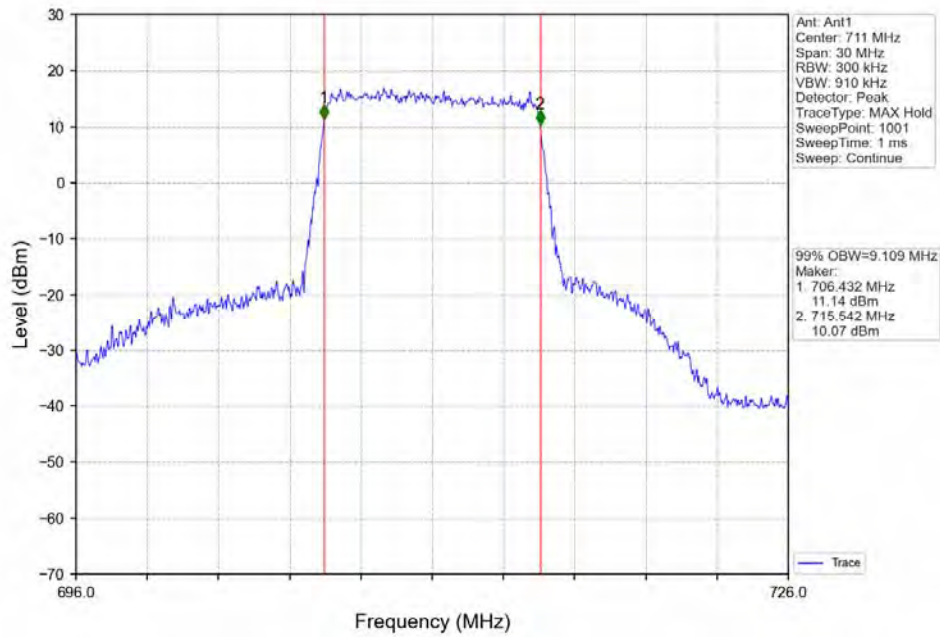
Band12\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV



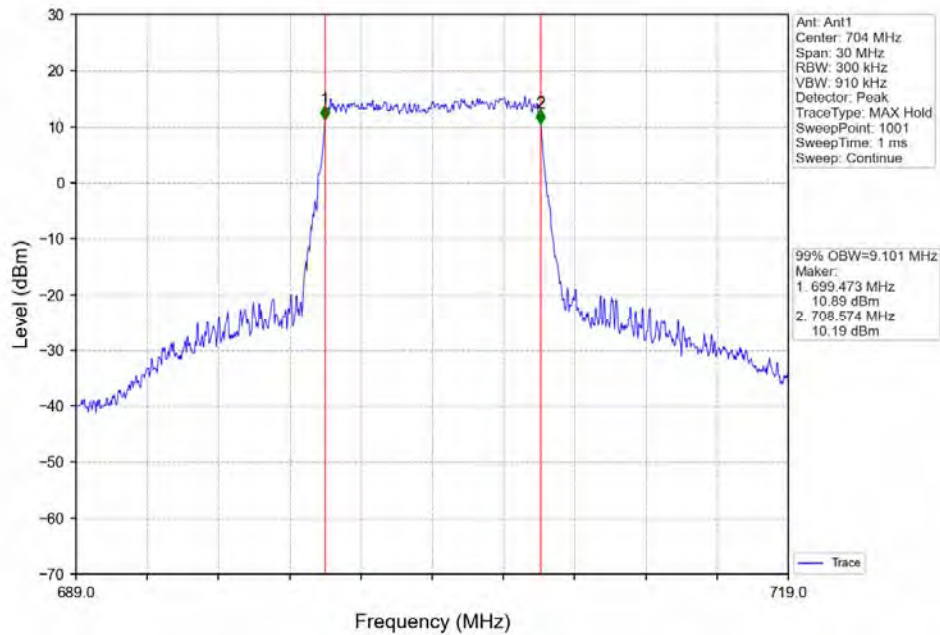


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_10MHz\_64QAM\_LCH\_704MHz\_RB\_50\_0\_NTNV

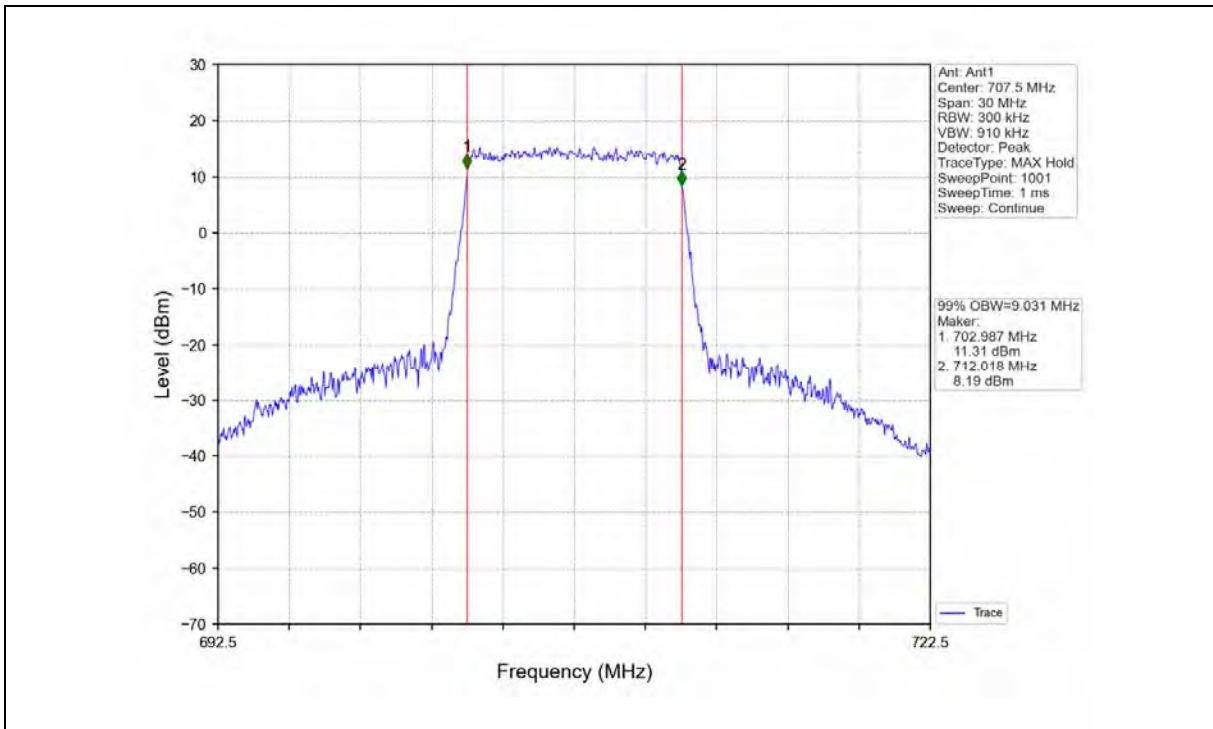


Band12\_10MHz\_64QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV

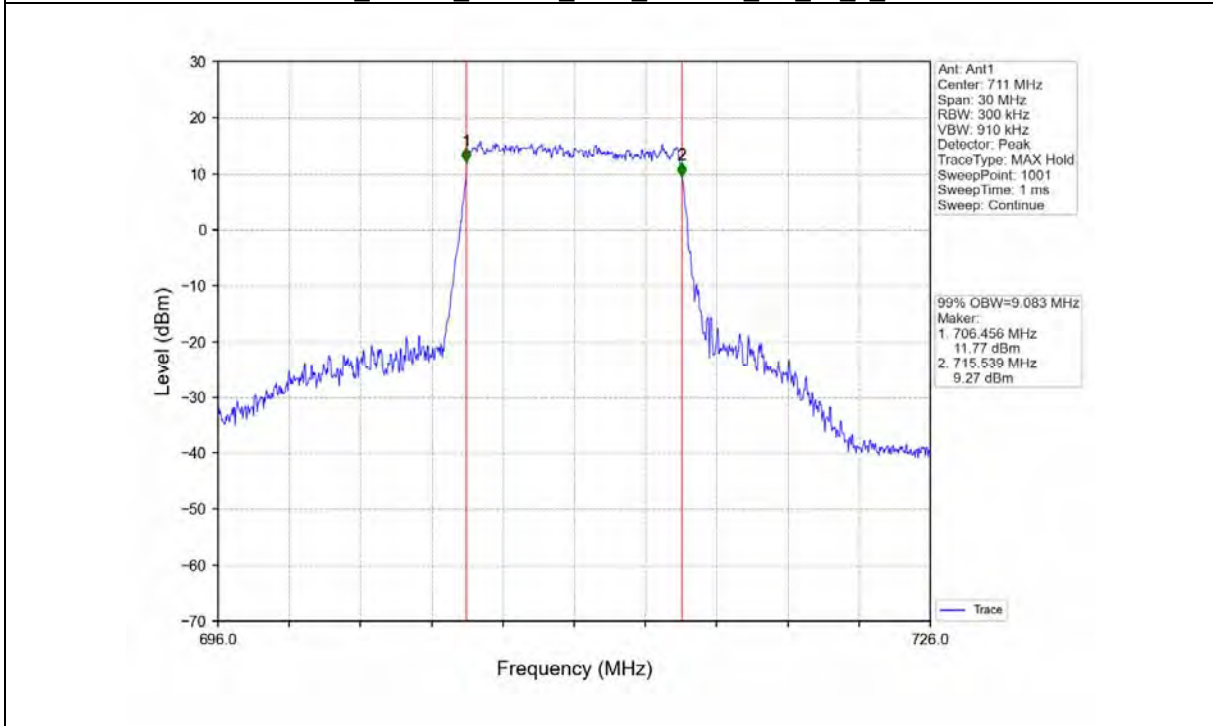


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_10MHz\_64QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV





BUREAU  
VERITAS

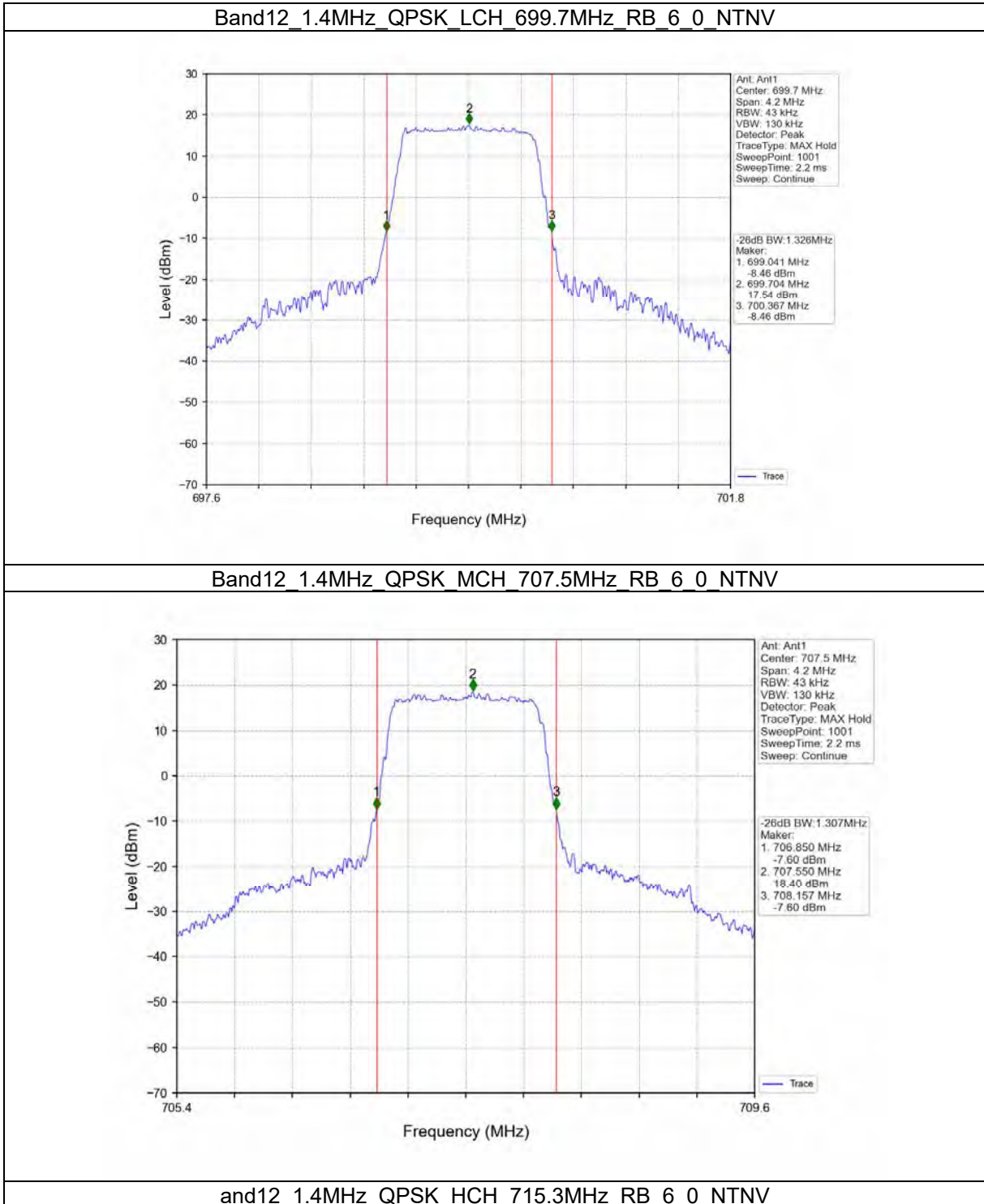
Test Report No.: W7L-220503W001RF06

26DB\_BW

Test Result

Band: 12 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.326	Pass
		707.5	6	0	1.307	Pass
		715.3	6	0	1.378	Pass
	16QAM	699.7	6	0	1.313	Pass
		707.5	6	0	1.309	Pass
		715.3	6	0	1.320	Pass
	64QAM	699.7	6	0	1.331	Pass
		707.5	6	0	1.316	Pass
		715.3	6	0	1.317	Pass
3	QPSK	700.5	15	0	2.996	Pass
		707.5	15	0	2.998	Pass
		714.5	15	0	2.981	Pass
	16QAM	700.5	15	0	2.971	Pass
		707.5	15	0	2.987	Pass
		714.5	15	0	3.005	Pass
	64QAM	700.5	15	0	2.982	Pass
		707.5	15	0	2.982	Pass
		714.5	15	0	3.002	Pass
5	QPSK	701.5	25	0	5.257	Pass
		707.5	25	0	5.277	Pass
		713.5	25	0	5.302	Pass
	16QAM	701.5	25	0	5.291	Pass
		707.5	25	0	5.230	Pass
		713.5	25	0	5.310	Pass
	64QAM	701.5	25	0	5.269	Pass
		707.5	25	0	5.281	Pass
		713.5	25	0	5.289	Pass
10	QPSK	704	50	0	10.312	Pass
		707.5	50	0	10.588	Pass
		711	50	0	10.274	Pass
	16QAM	704	50	0	10.198	Pass
		707.5	50	0	10.157	Pass
		711	50	0	10.321	Pass
	64QAM	704	50	0	10.262	Pass
		707.5	50	0	10.148	Pass
		711	50	0	10.296	Pass

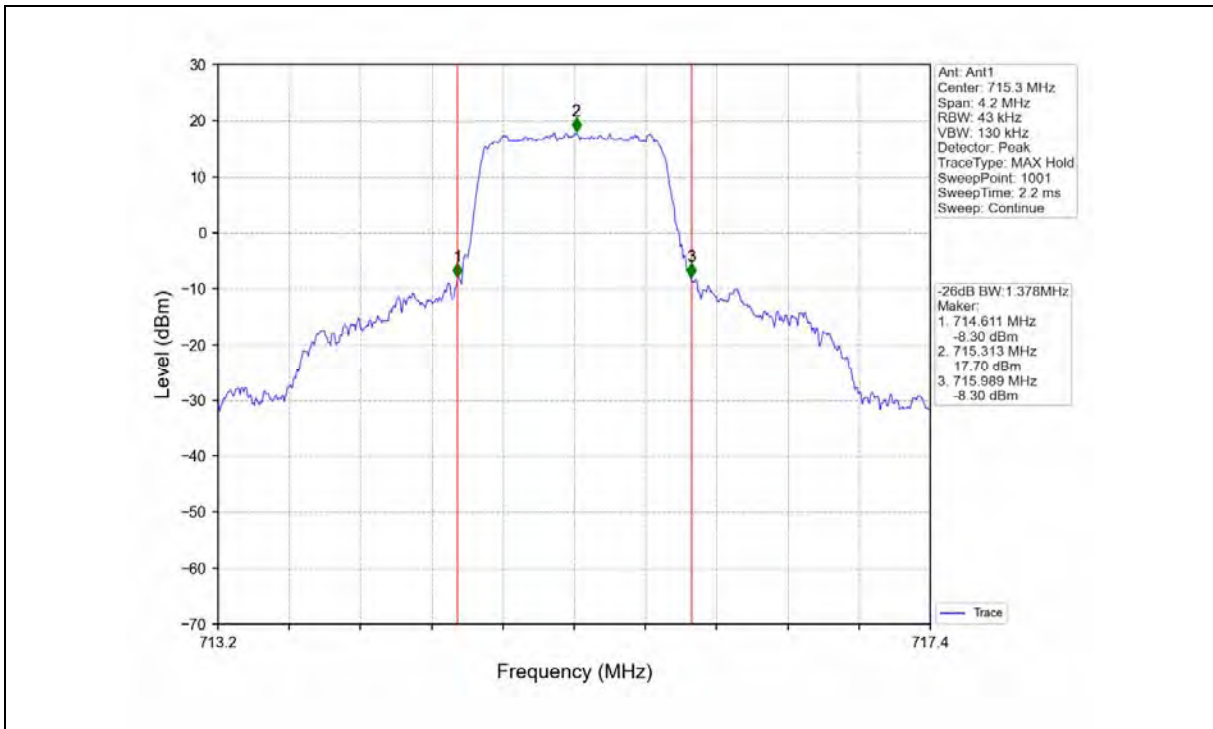
Test Graph



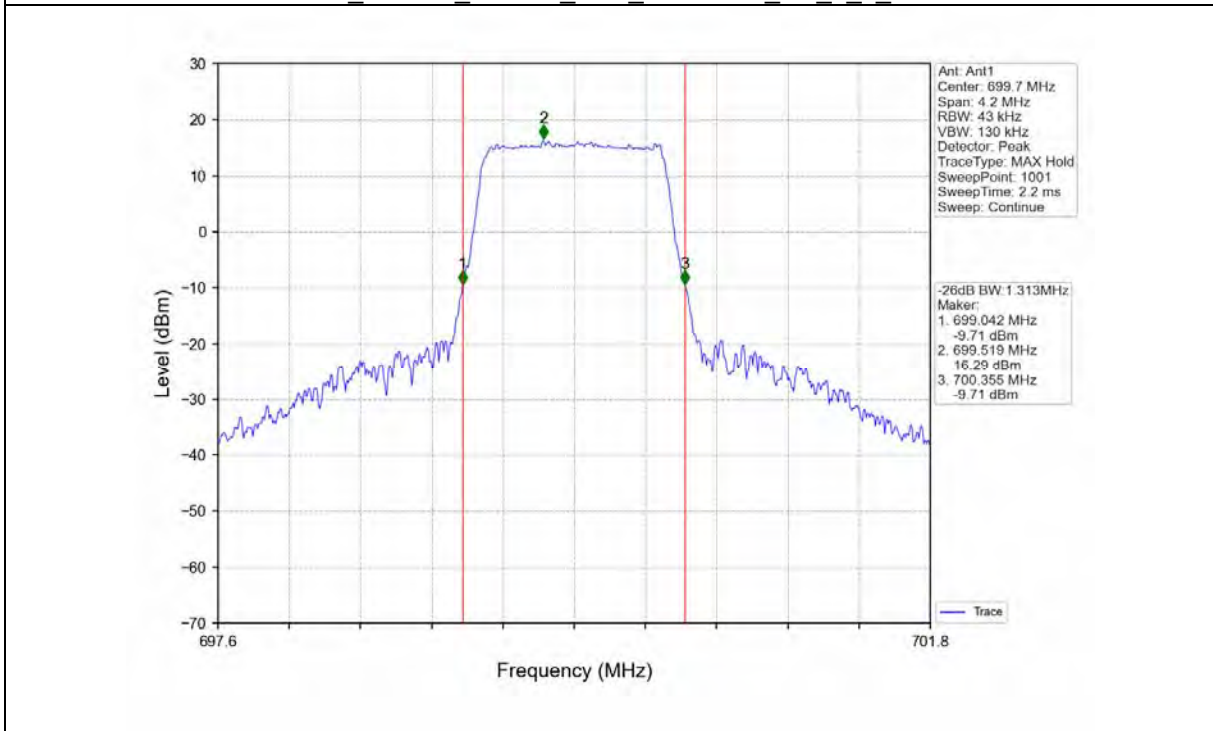


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV

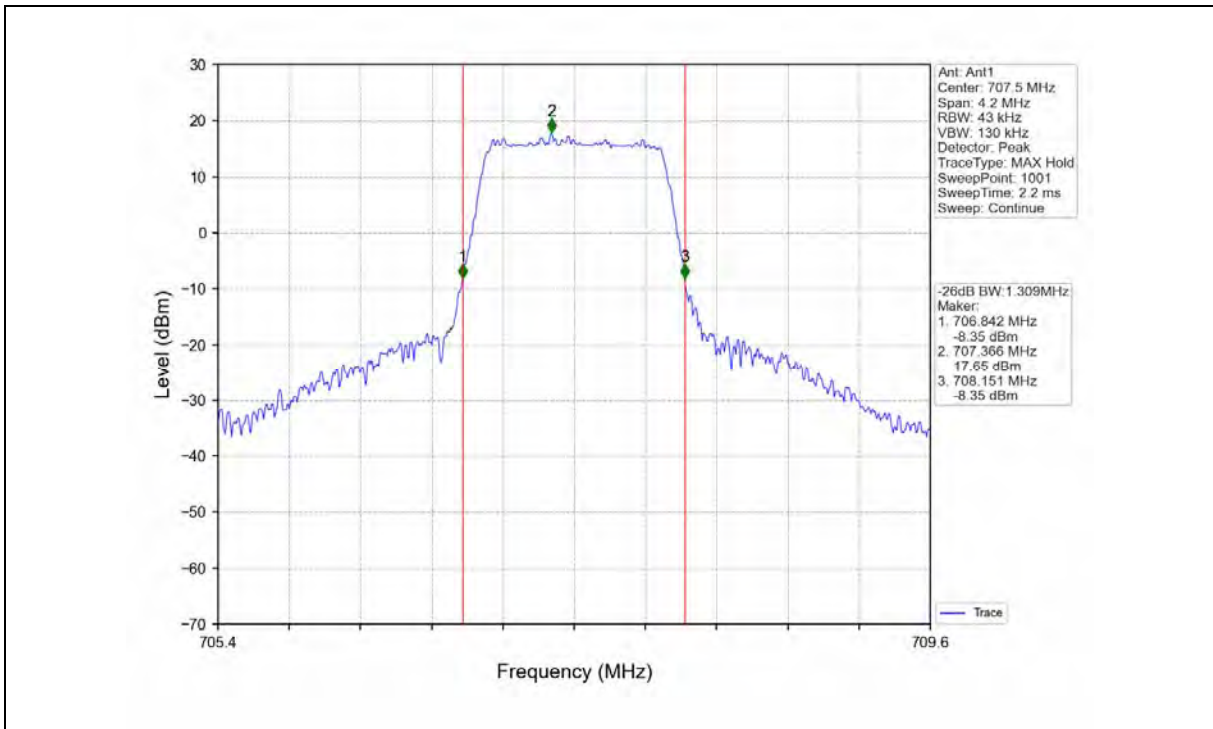


Band12\_1.4MHz\_16QAM\_MCH\_707.5MHz\_RB\_6\_0\_NTNV

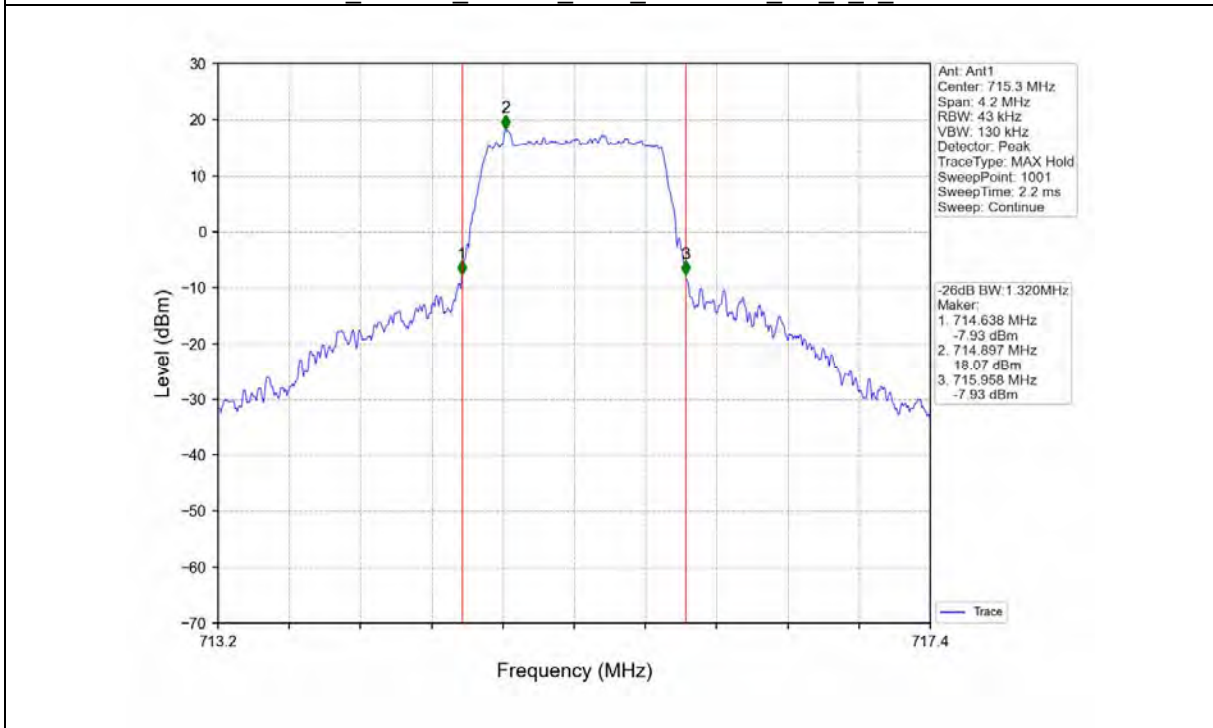


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_16QAM\_HCH\_715.3MHz\_RB\_6\_0\_NTNV

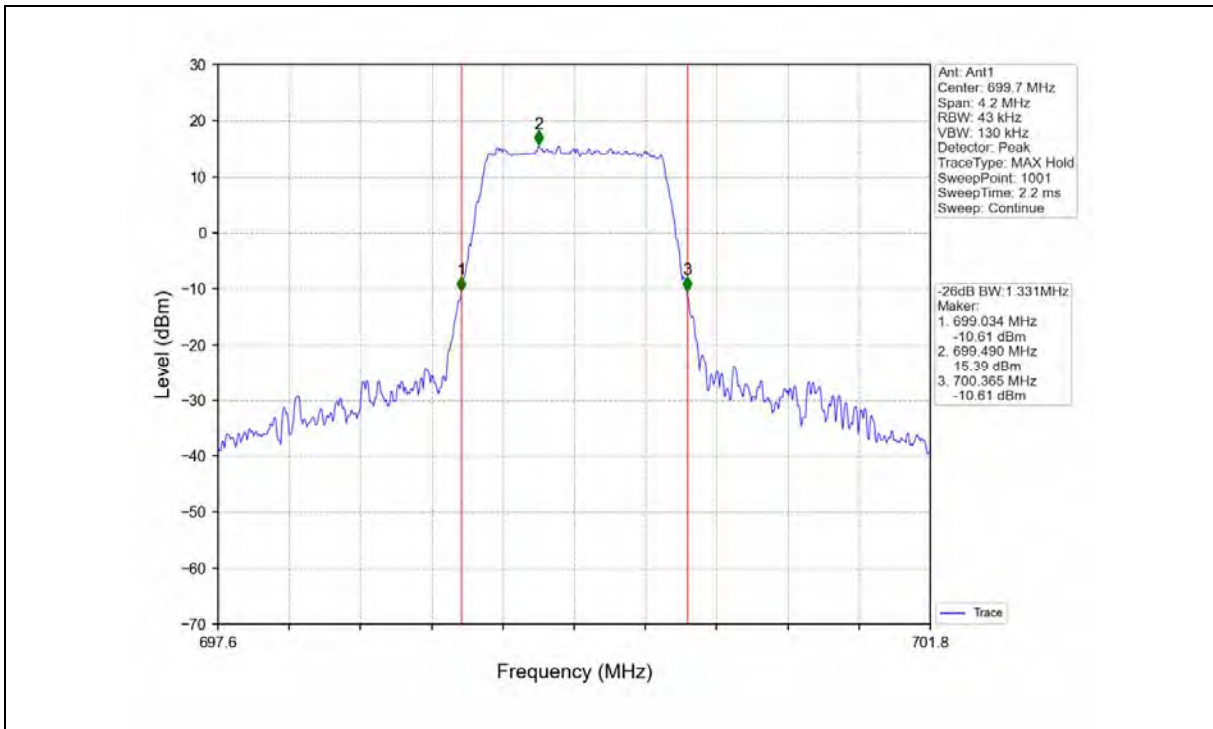


Band12\_1.4MHz\_64QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV

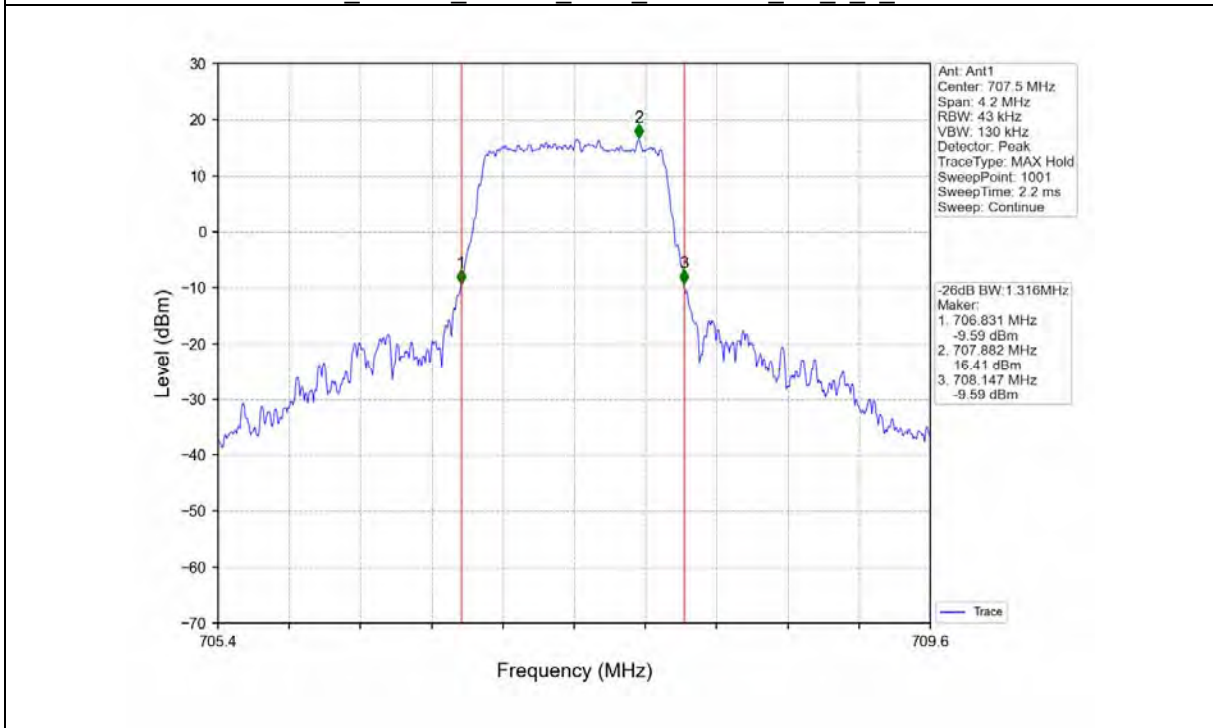


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_64QAM\_MCH\_707.5MHz\_RB\_6\_0\_NTNV

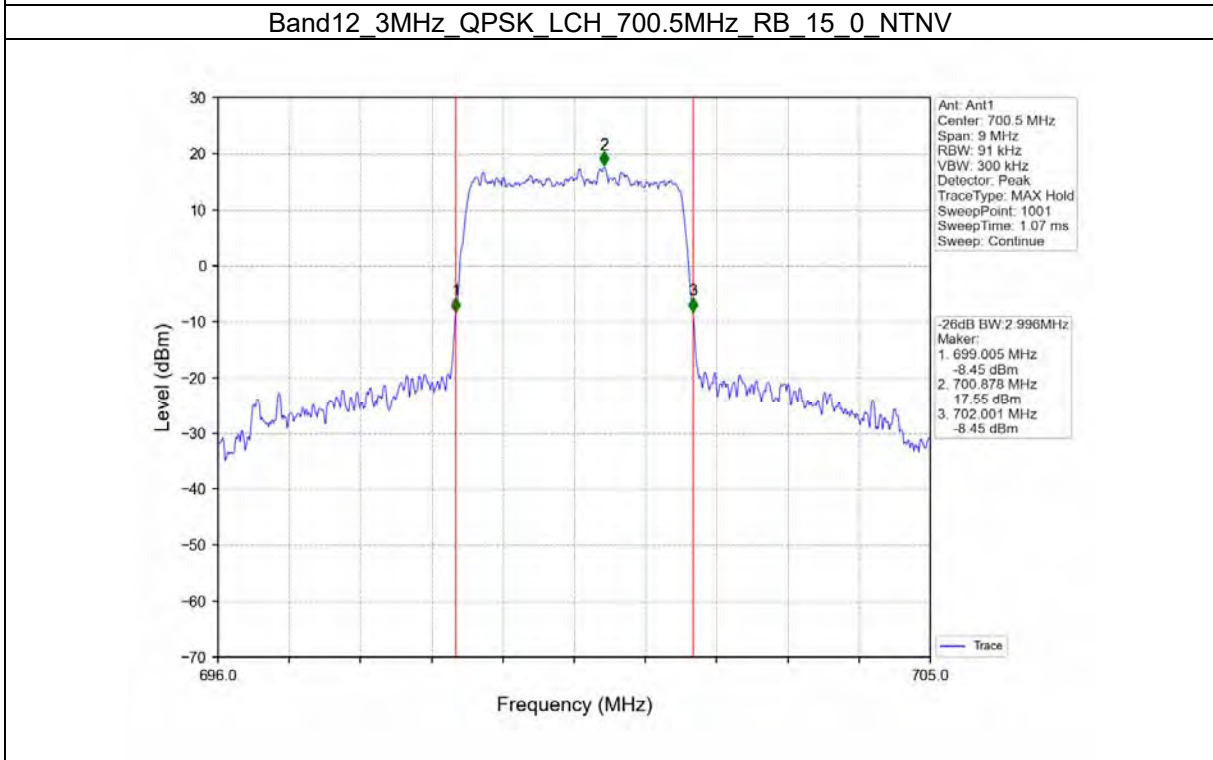
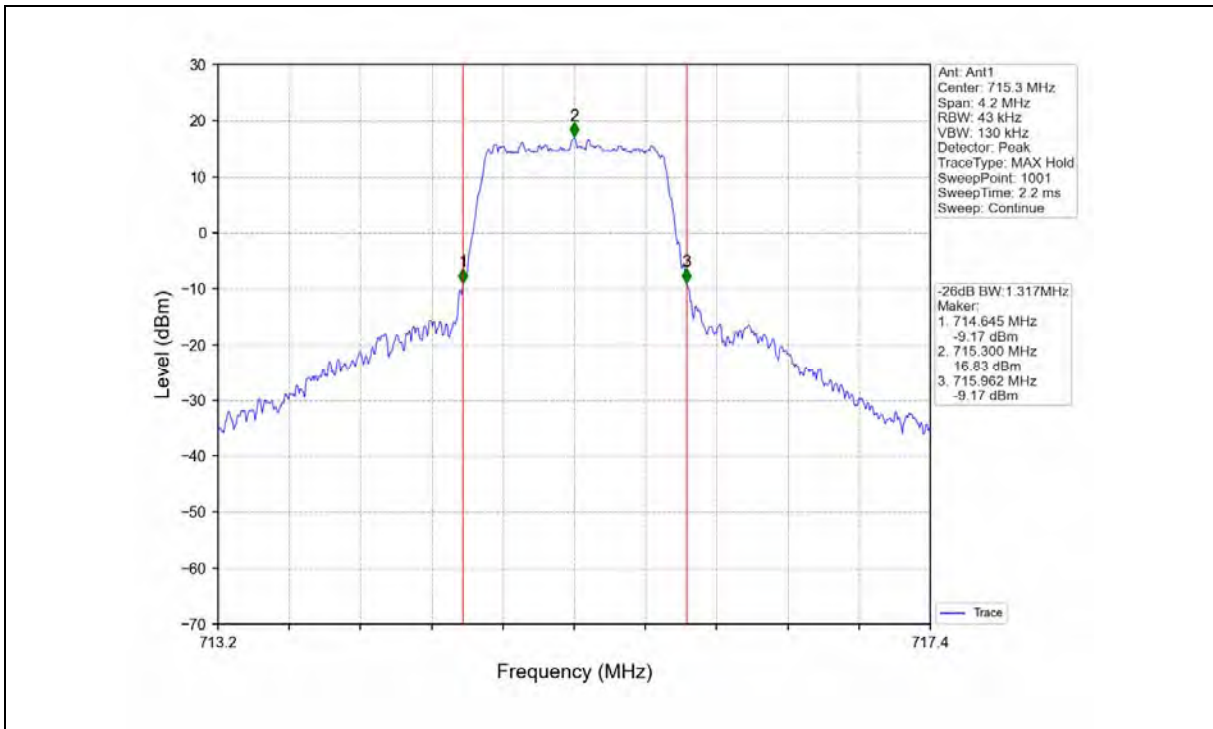


Band12\_1.4MHz\_64QAM\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



BUREAU VERITAS

Test Report No.: W7L-220503W001RF06

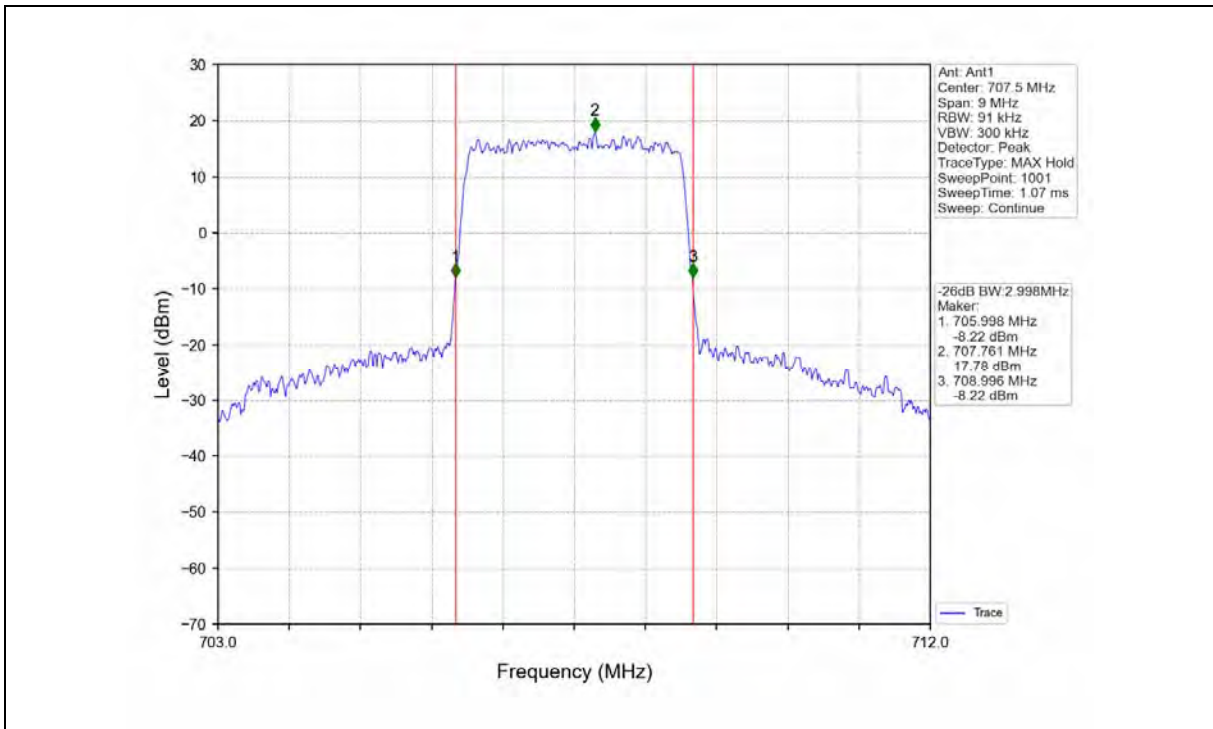




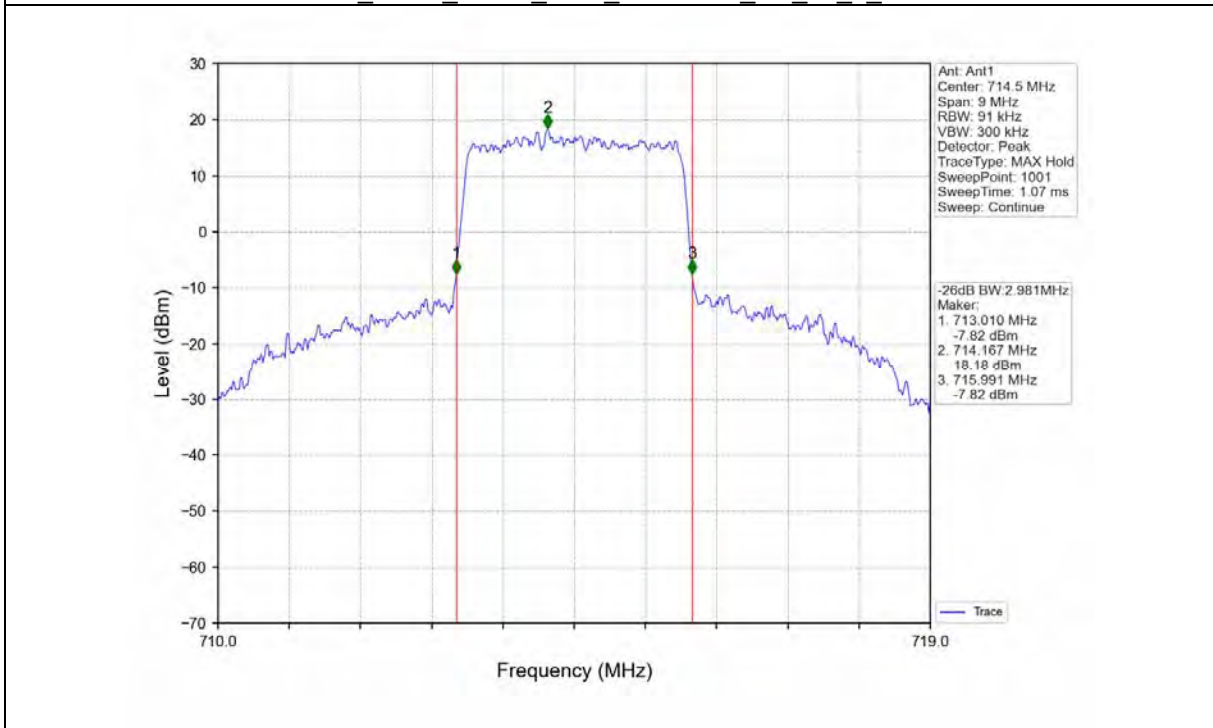


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_QPSK\_HCH\_714.5MHz\_RB\_15\_0\_NTNV

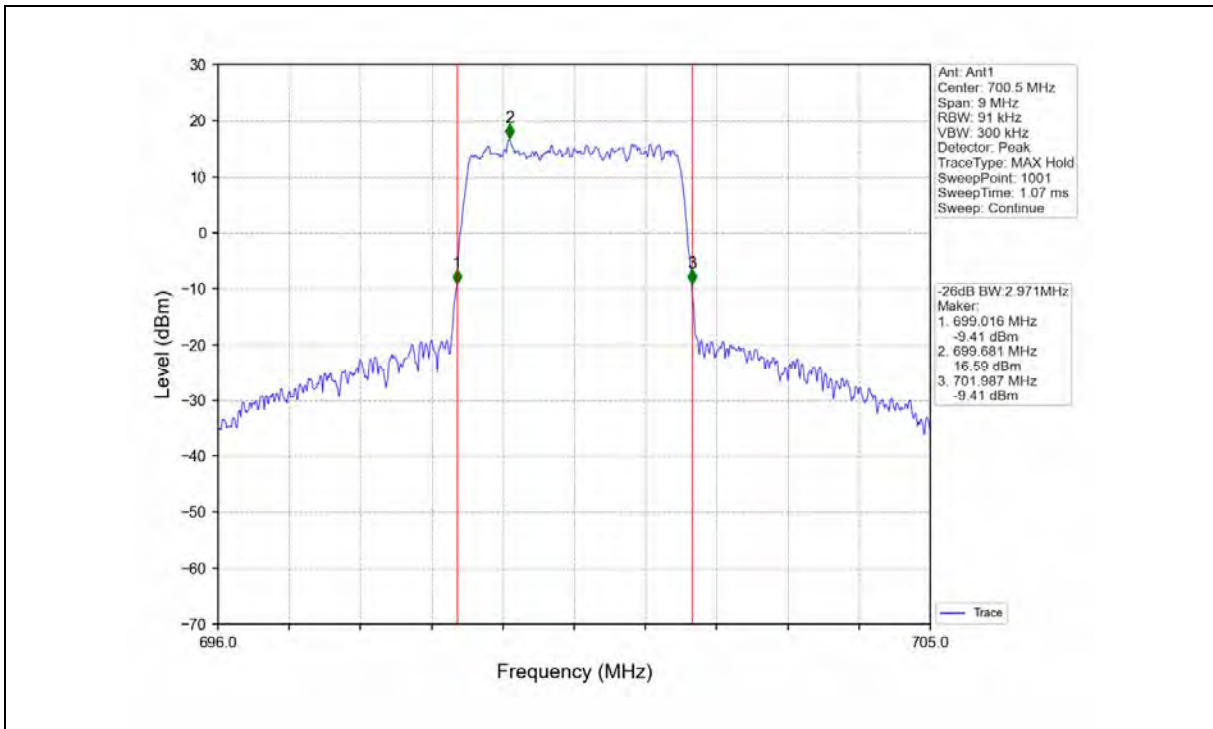


Band12\_3MHz\_16QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV

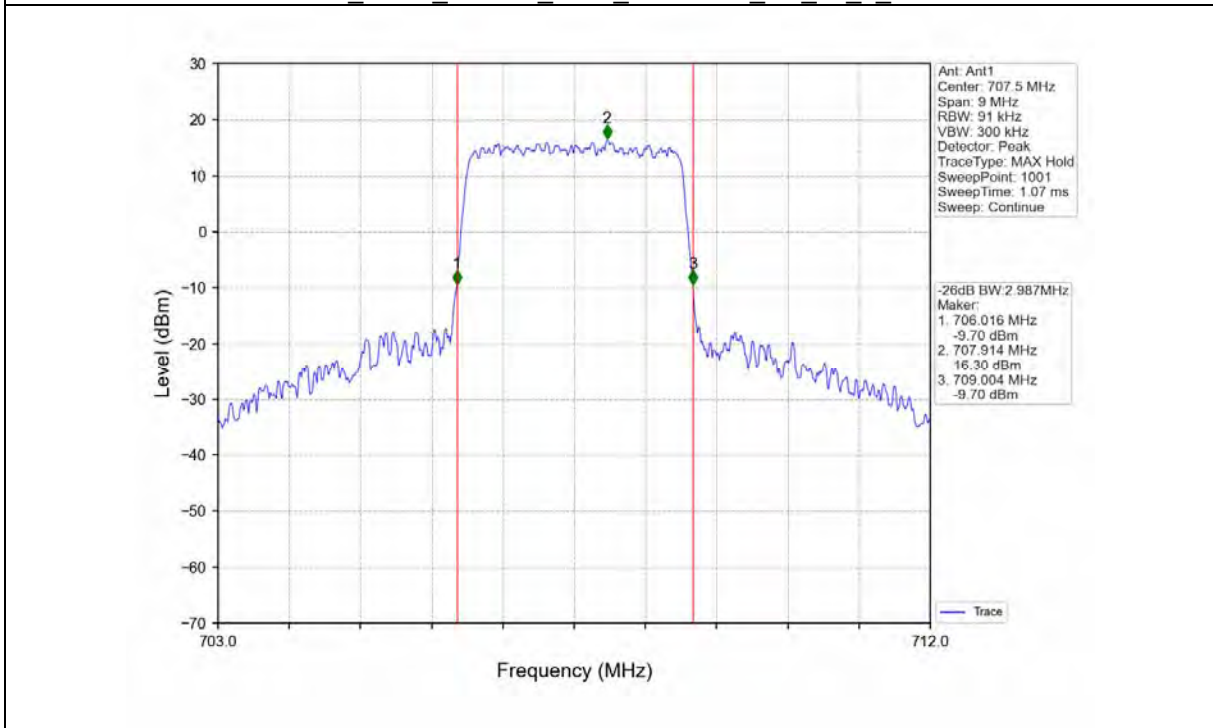


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_16QAM\_MCH\_707.5MHz\_RB\_15\_0\_NTNV

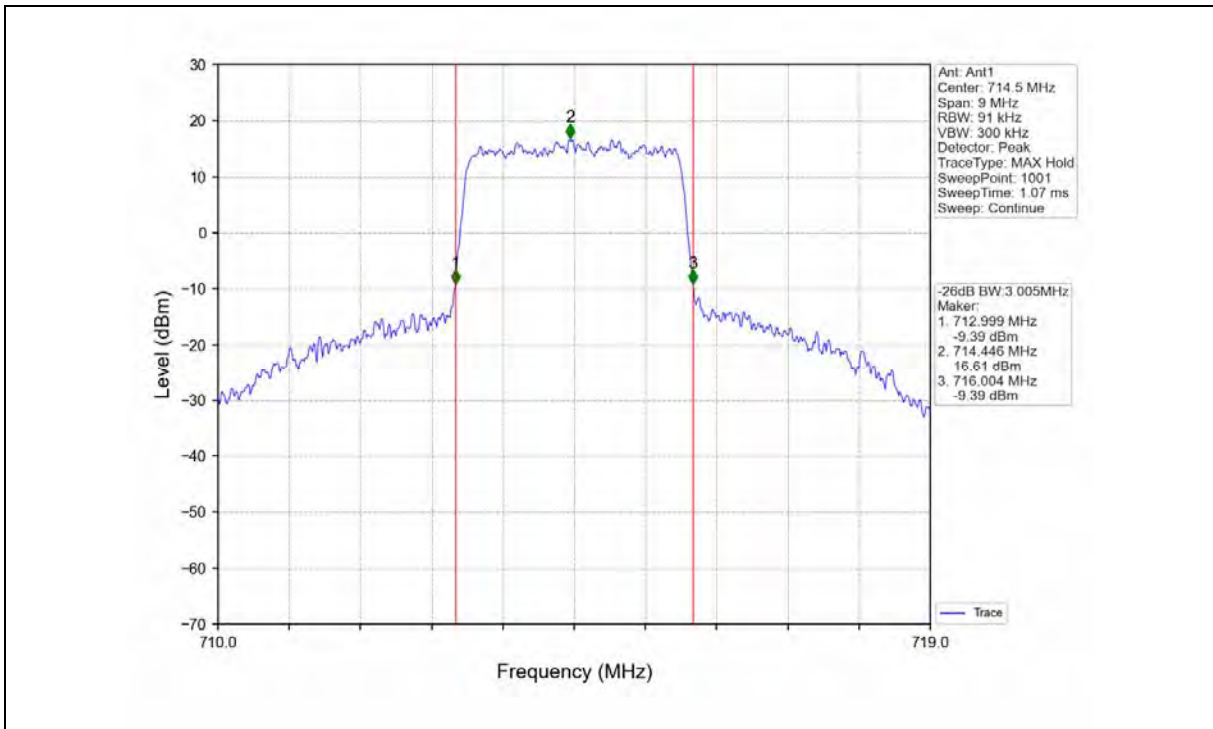


Band12\_3MHz\_16QAM\_HCH\_714.5MHz\_RB\_15\_0\_NTNV

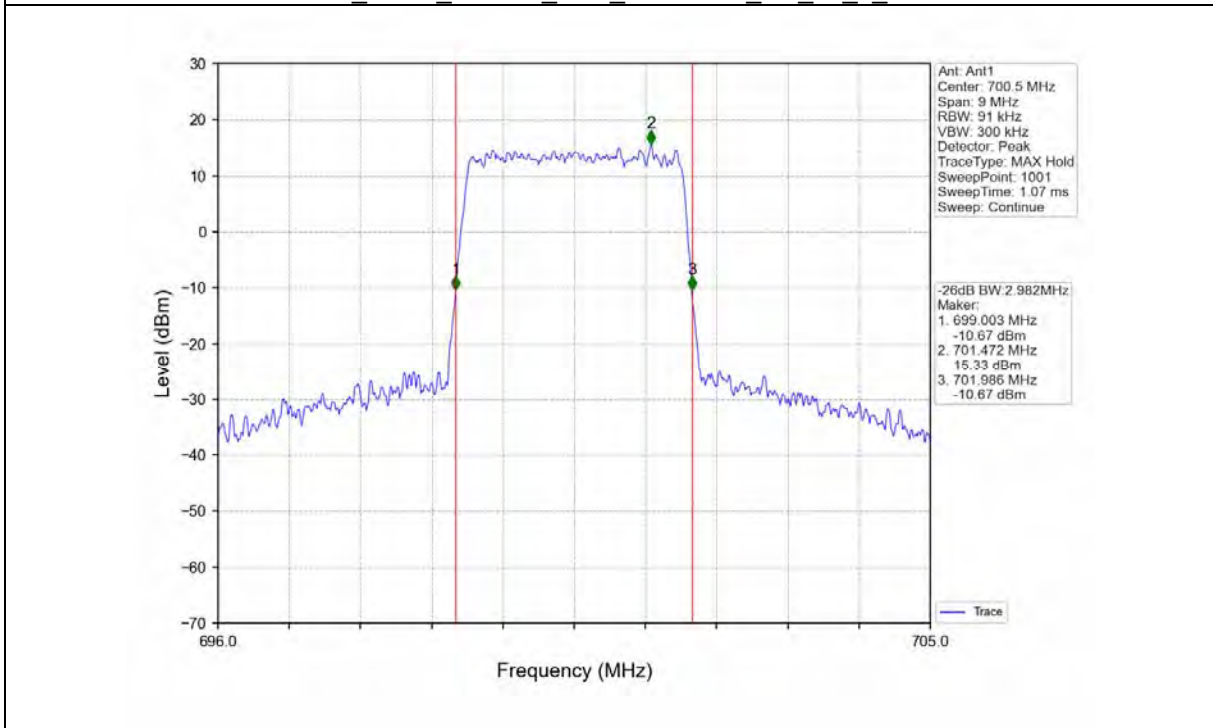


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_64QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV

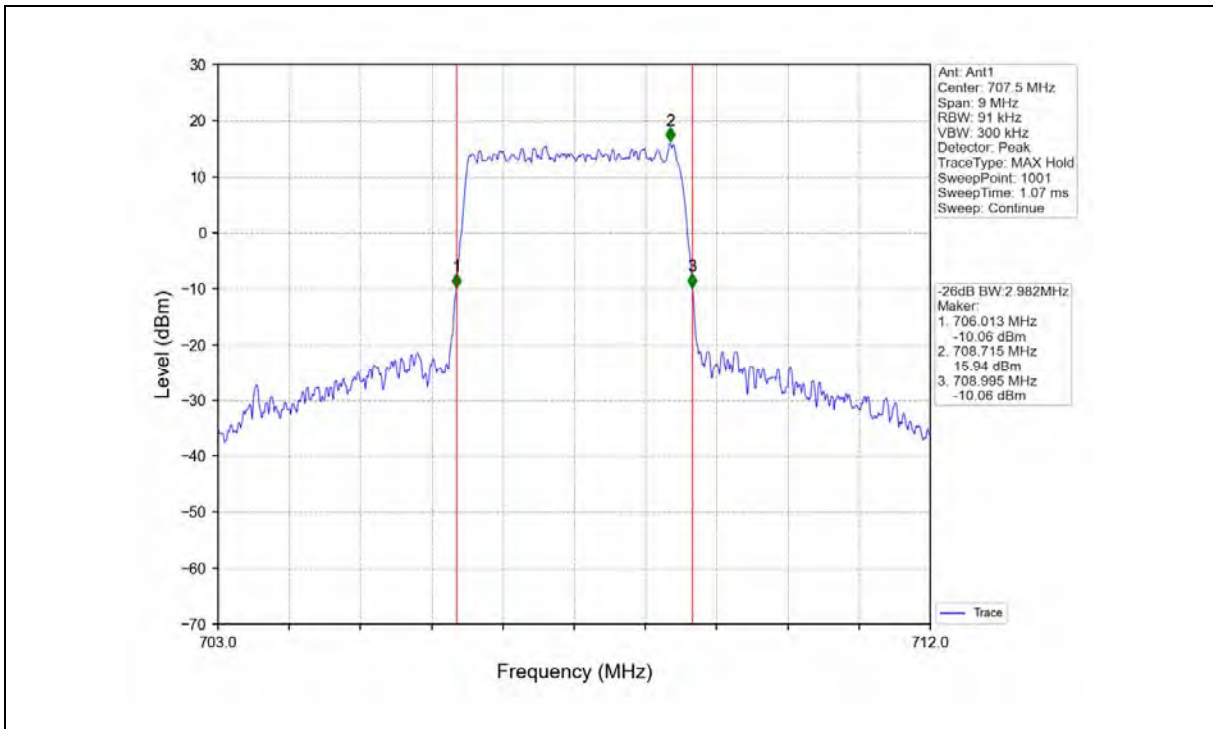


Band12\_3MHz\_64QAM\_MCH\_707.5MHz\_RB\_15\_0\_NTNV

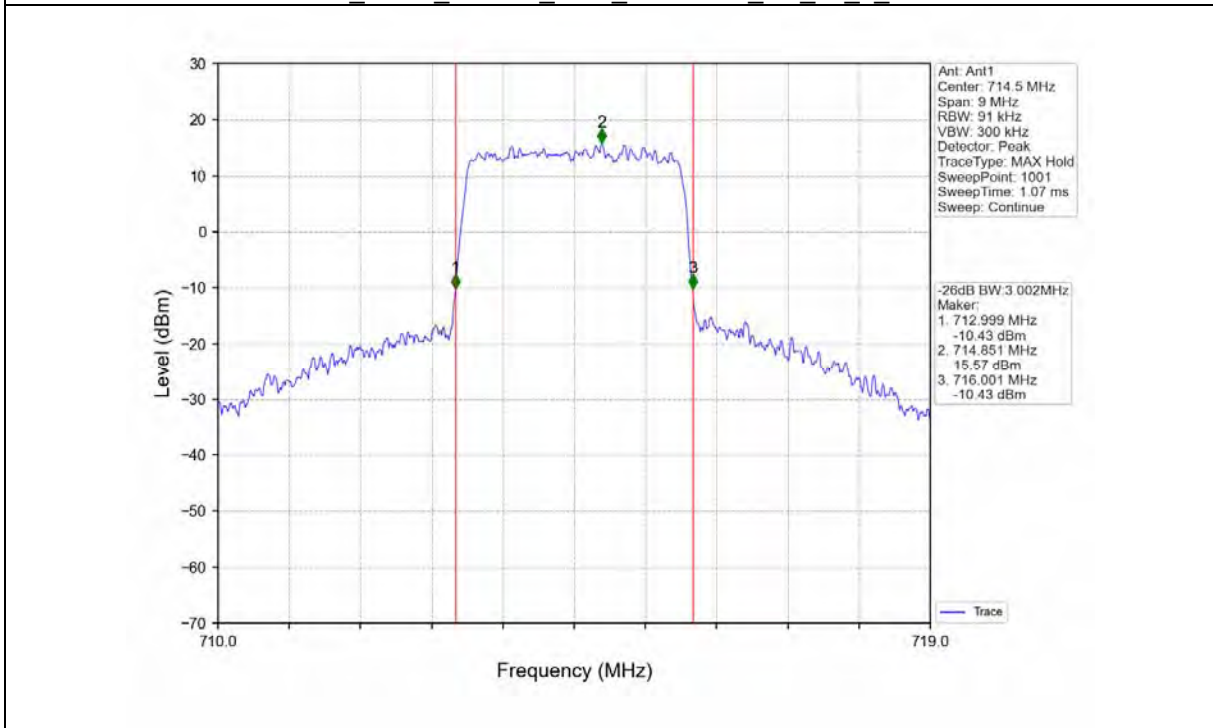


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_64QAM\_HCH\_714.5MHz\_RB\_15\_0\_NTNV

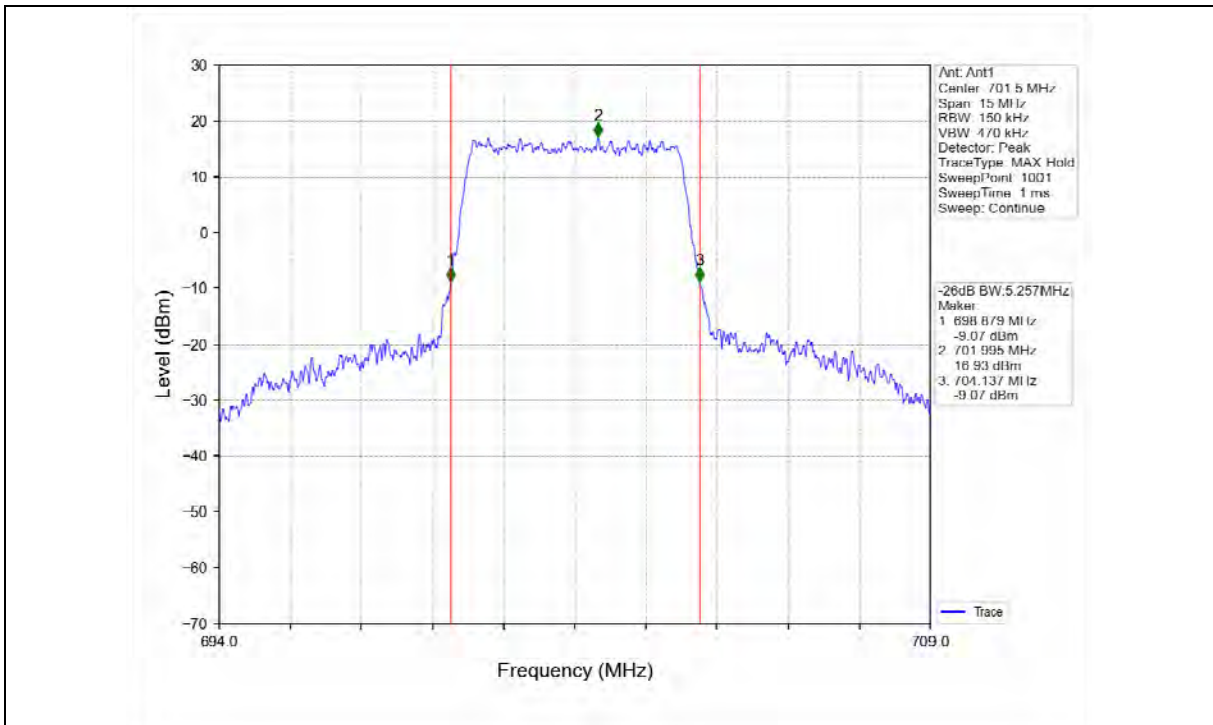


Band12\_5MHz\_QPSK\_LCH\_701.5MHz\_RB\_25\_0\_NTNV

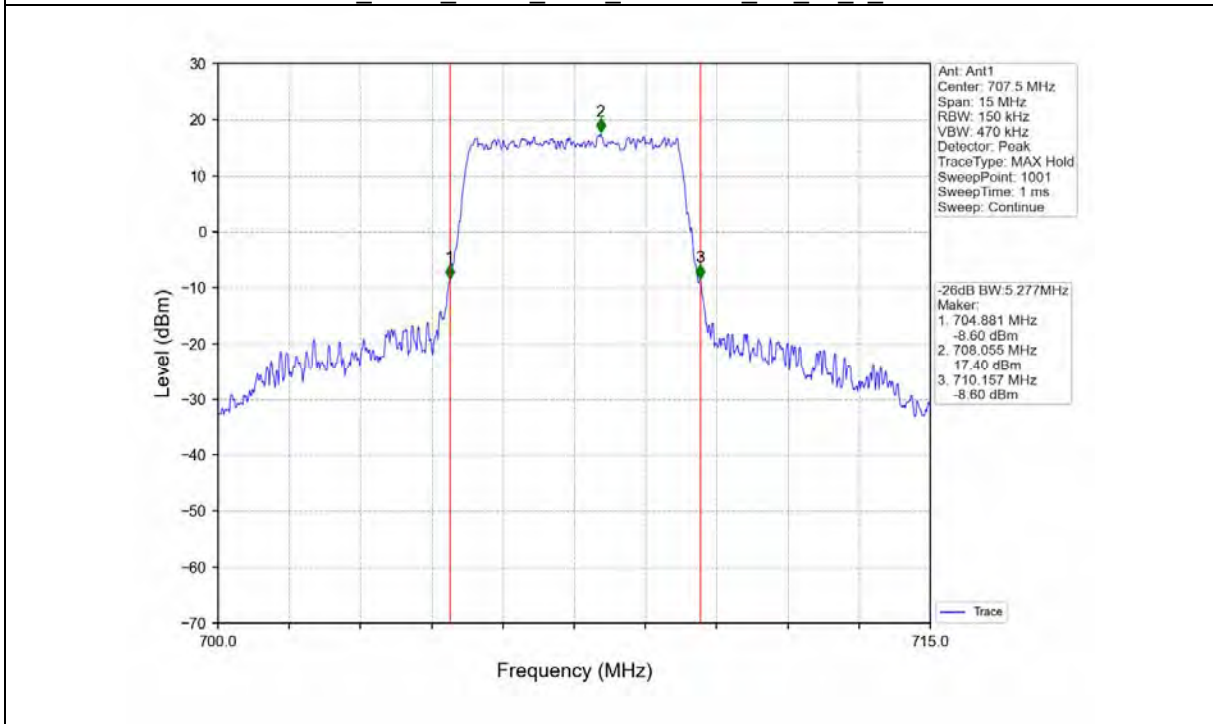


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_QPSK\_MCH\_707.5MHz\_RB\_25\_0\_NTNV

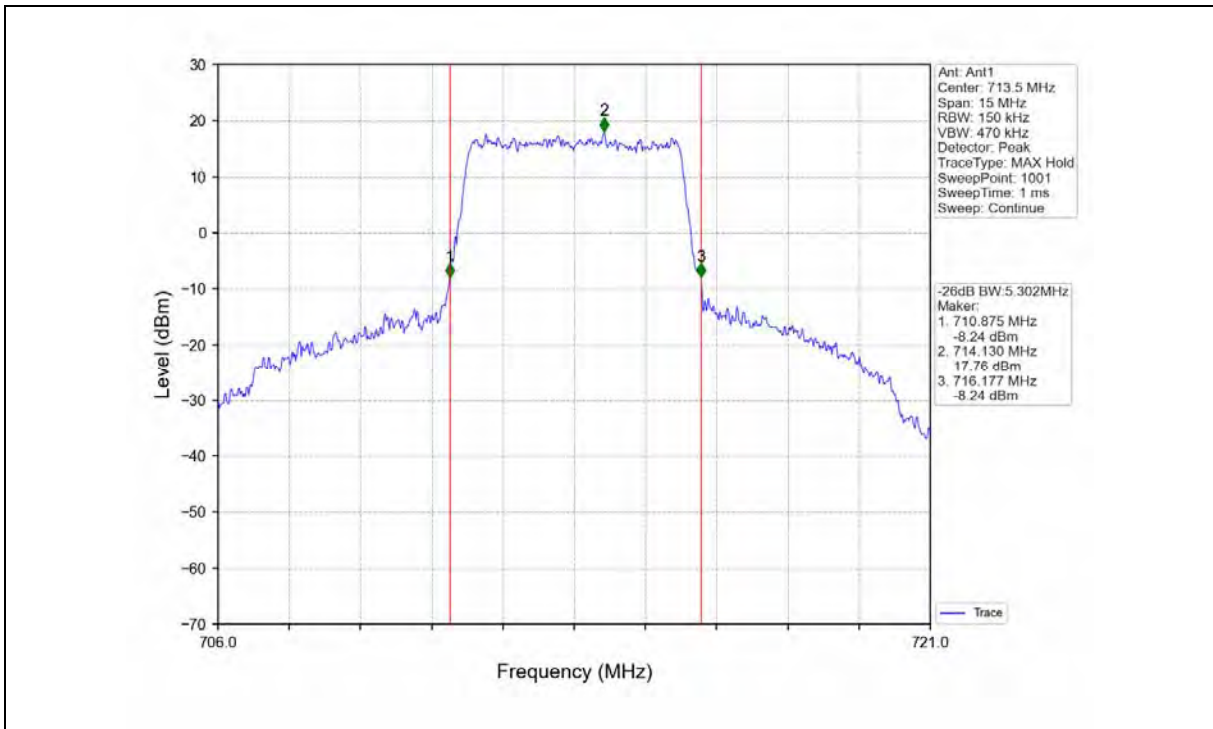


Band12\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV

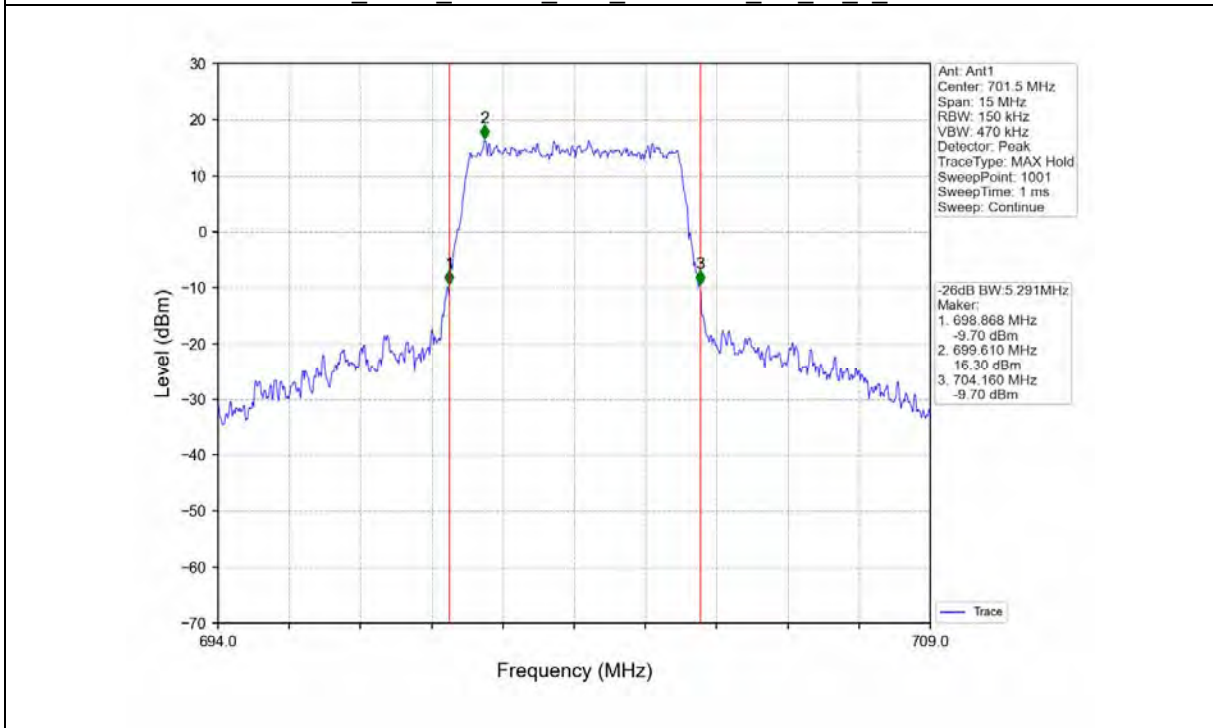


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_16QAM\_LCH\_701.5MHz\_RB\_25\_0\_NTNV

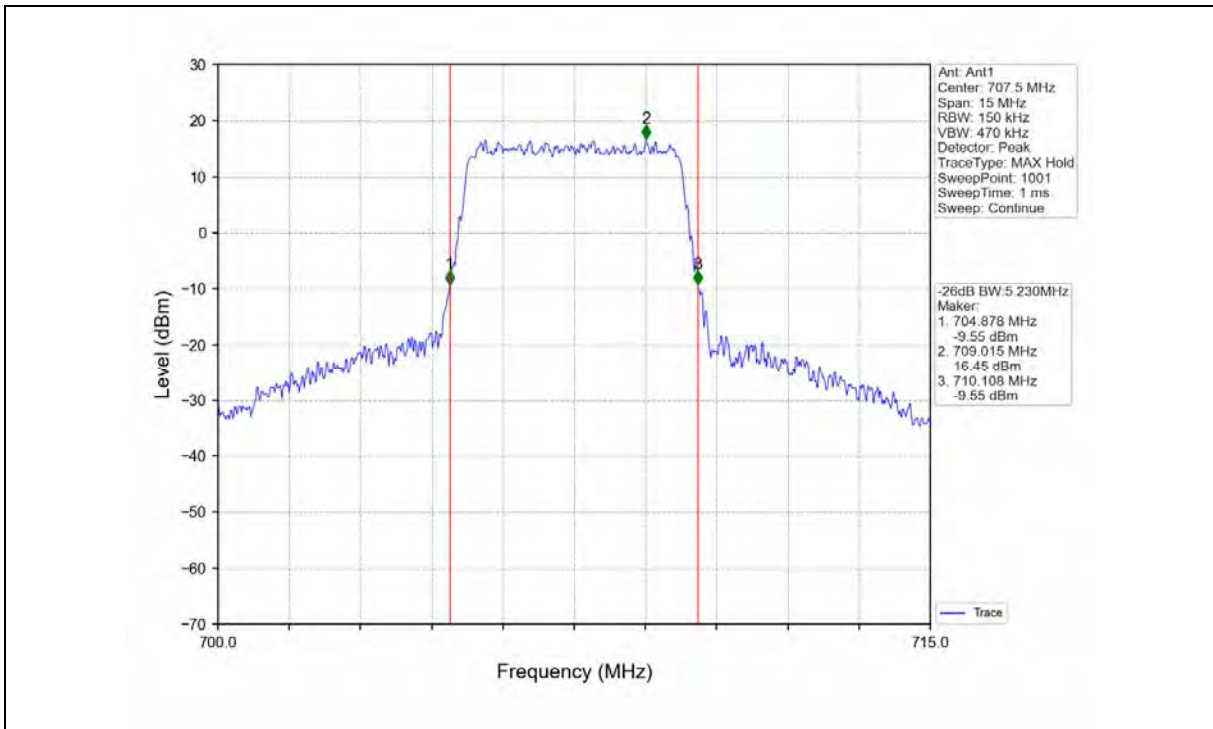


Band12\_5MHz\_16QAM\_MCH\_707.5MHz\_RB\_25\_0\_NTNV

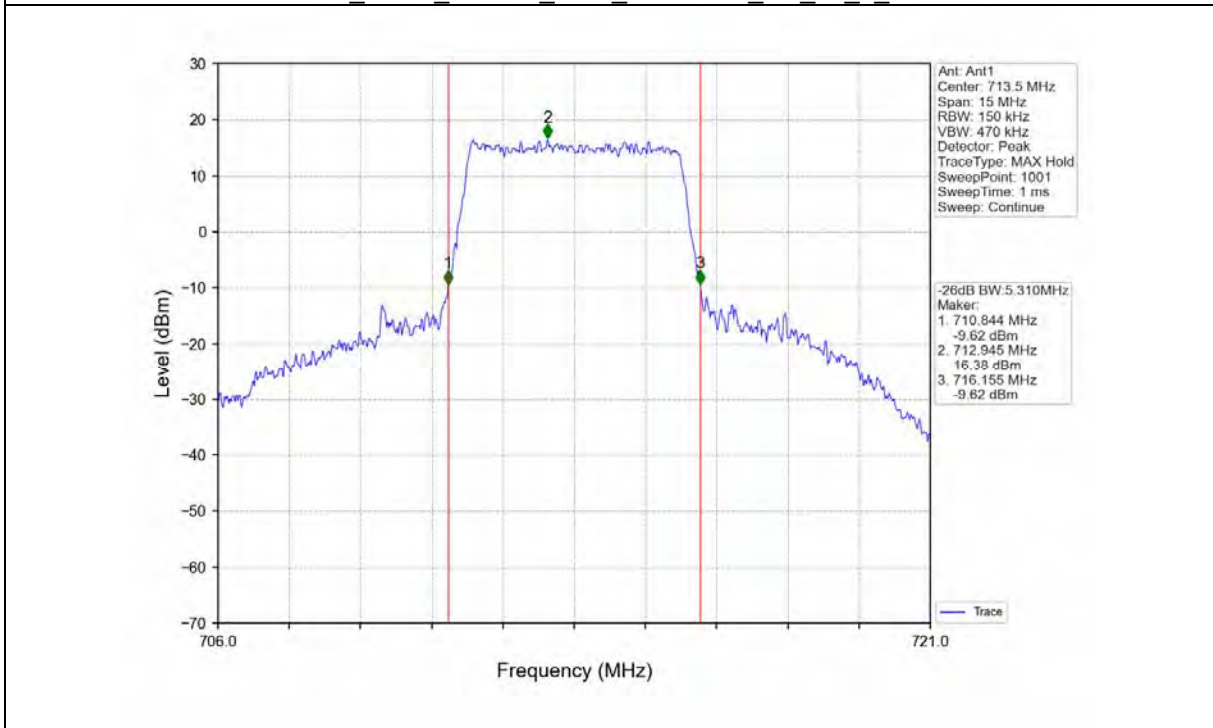


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV

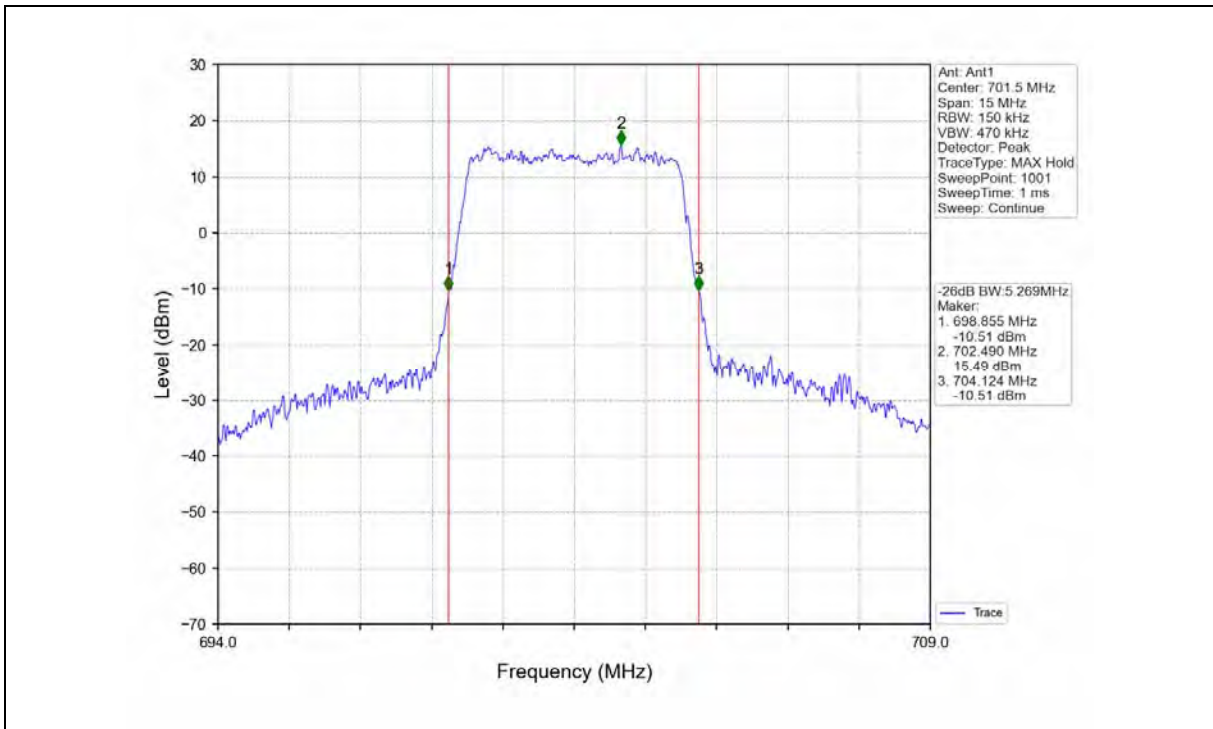


Band12\_5MHz\_64QAM\_LCH\_701.5MHz\_RB\_25\_0\_NTNV

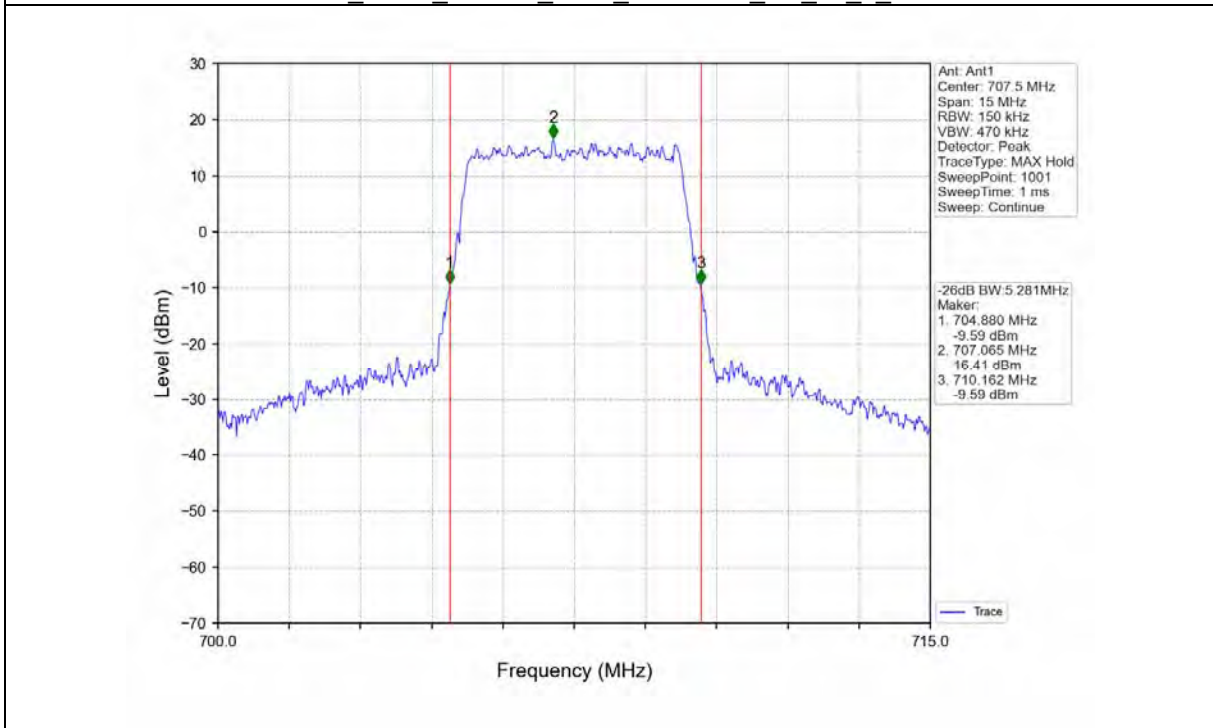


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_64QAM\_MCH\_707.5MHz\_RB\_25\_0\_NTNV



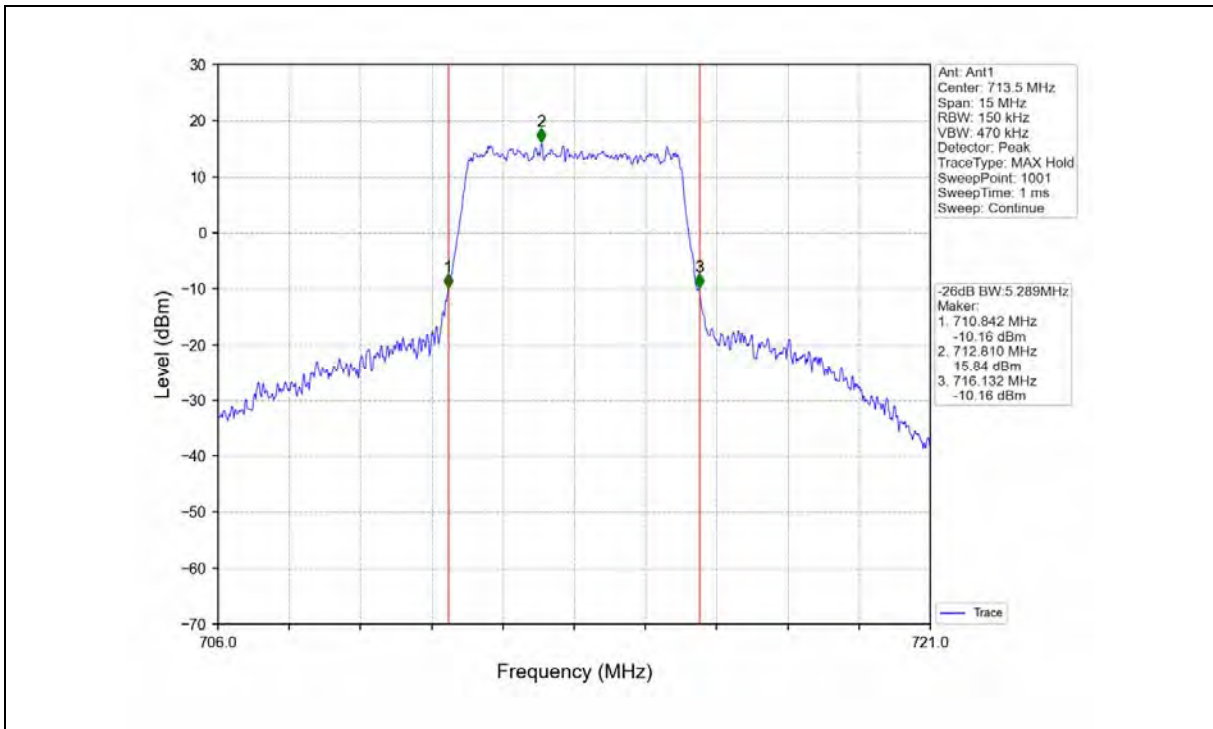
Band12\_5MHz\_64QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



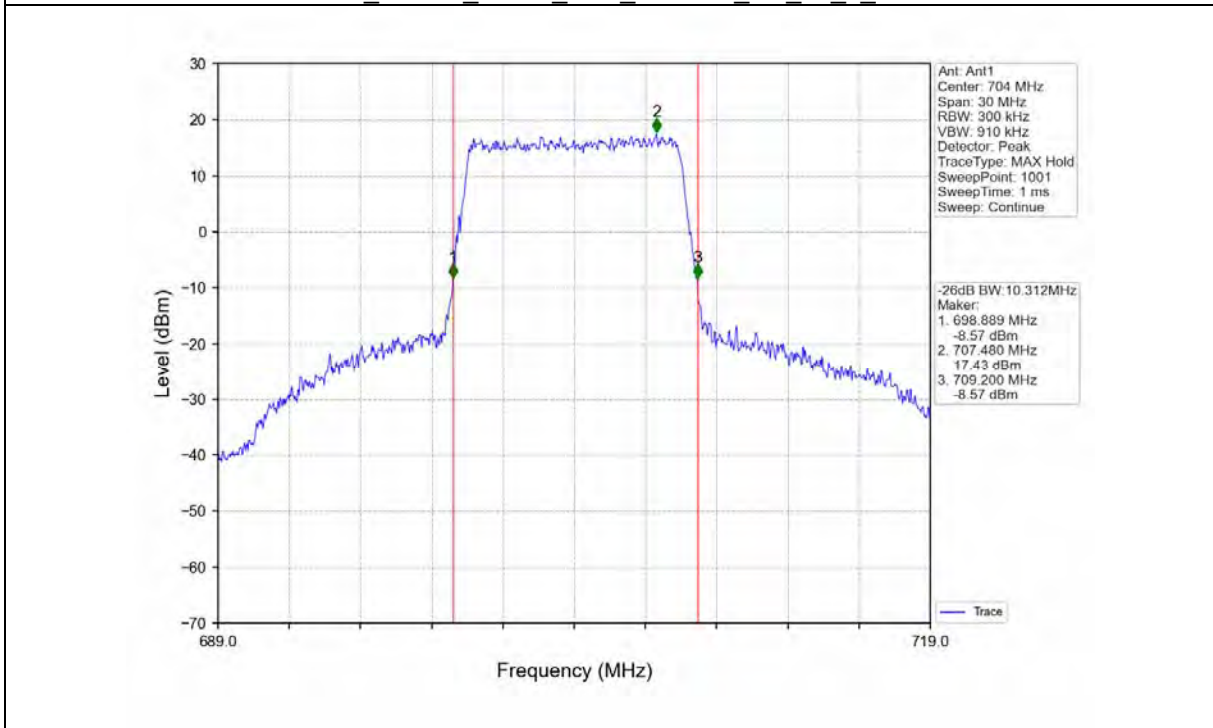


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Test Report No.: W7L-220503W001RF06



Band12\_10MHz\_QPSK\_LCH\_704MHz\_RB\_50\_0\_NTNV

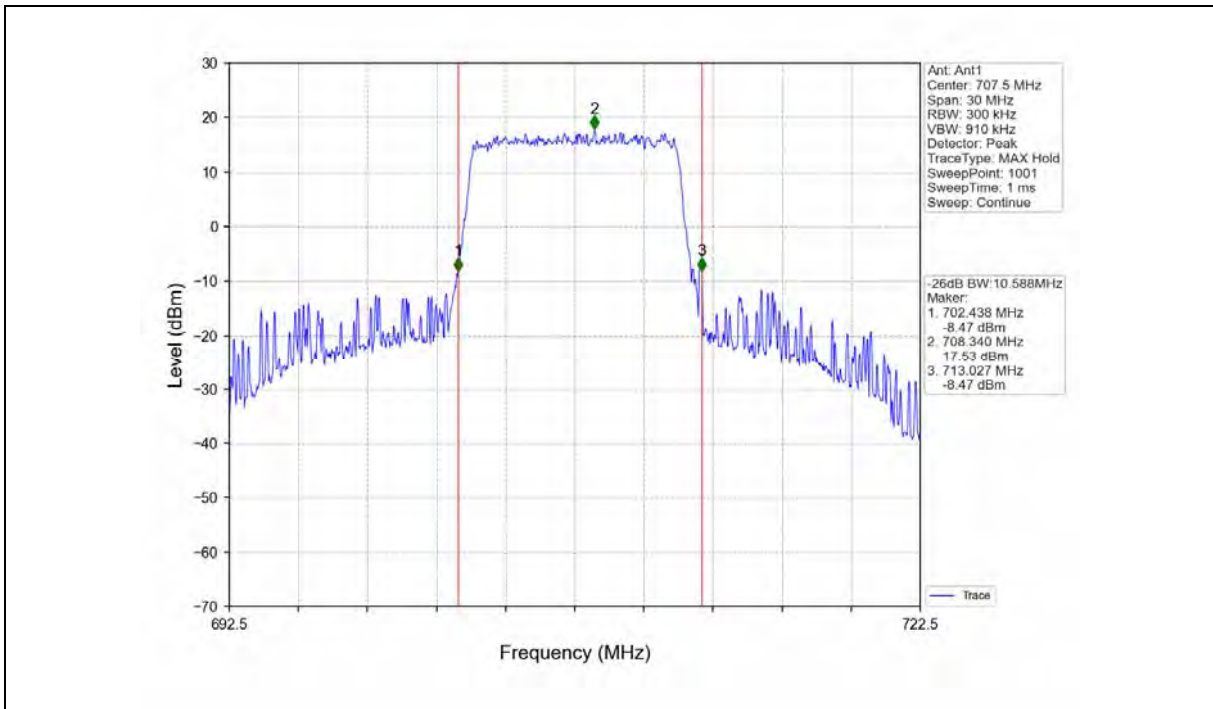


Band12\_10MHz\_QPSK\_MCH\_707.5MHz\_RB\_50\_0\_NTNV

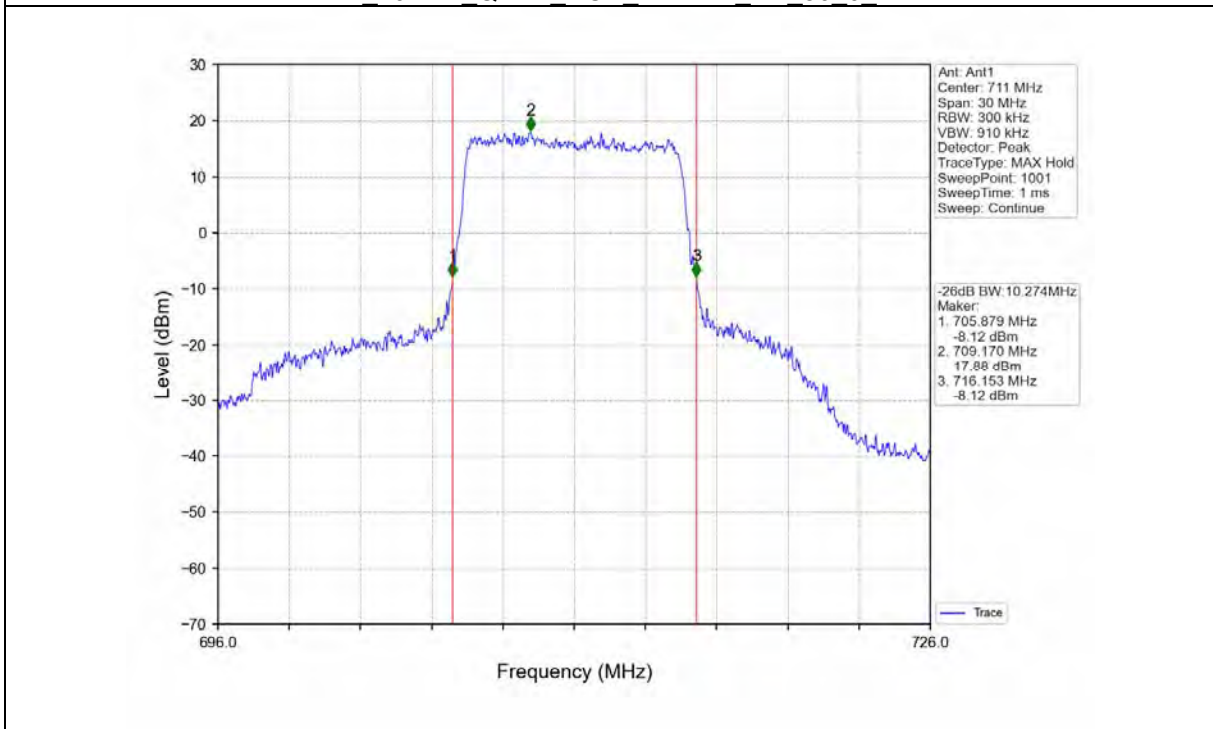


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Test Report No.: W7L-220503W001RF06



Band12\_10MHz QPSK HCH 711MHz RB 50 0 NTN

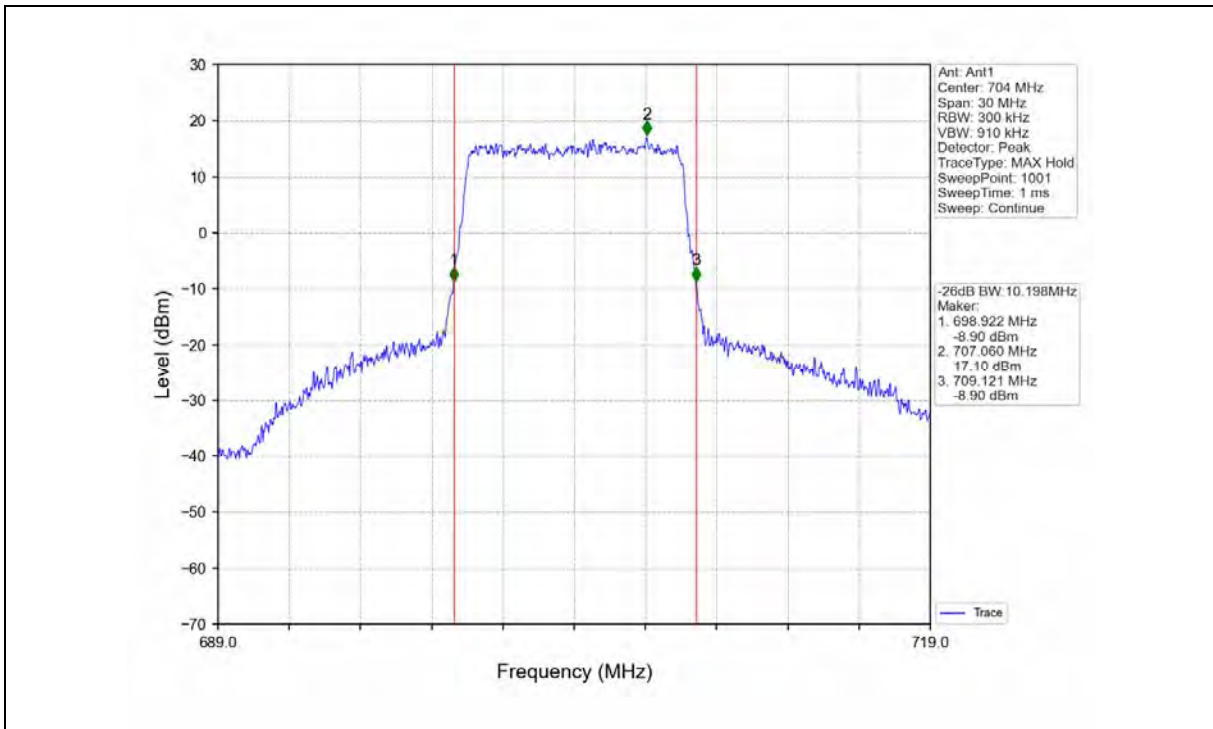


Band12\_10MHz 16QAM LCH 704MHz RB 50 0 NTN

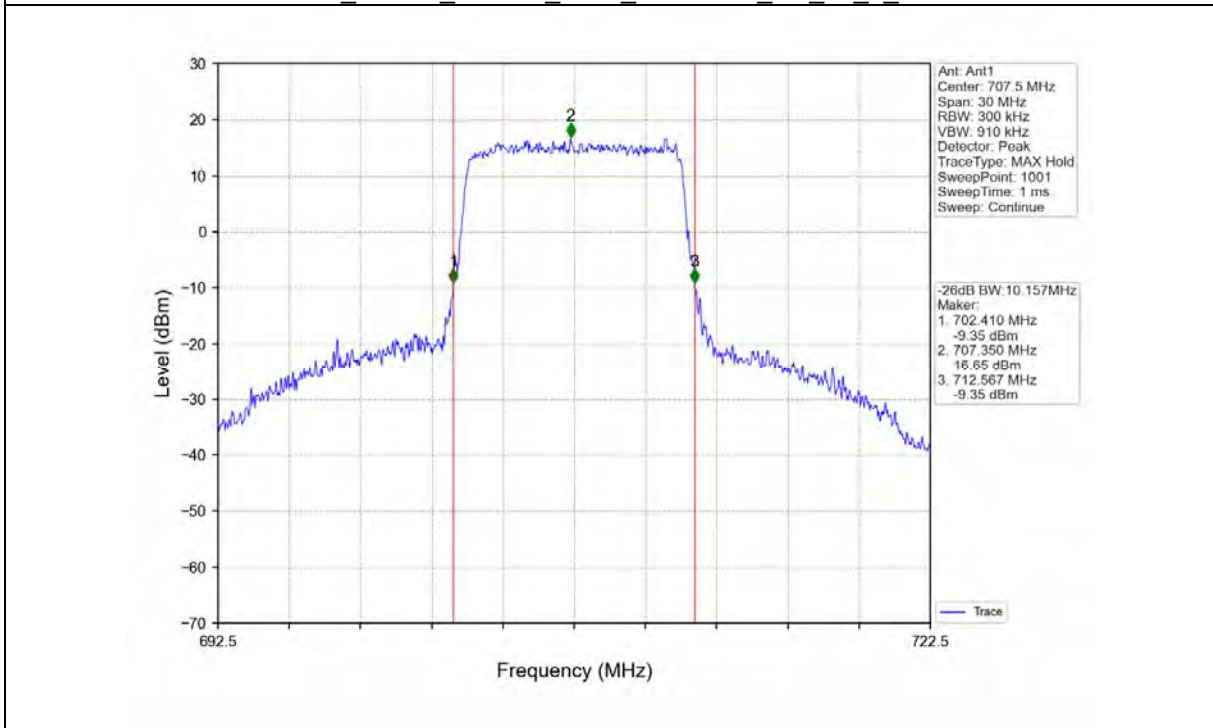


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Test Report No.: W7L-220503W001RF06



Band12\_10MHz\_16QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV

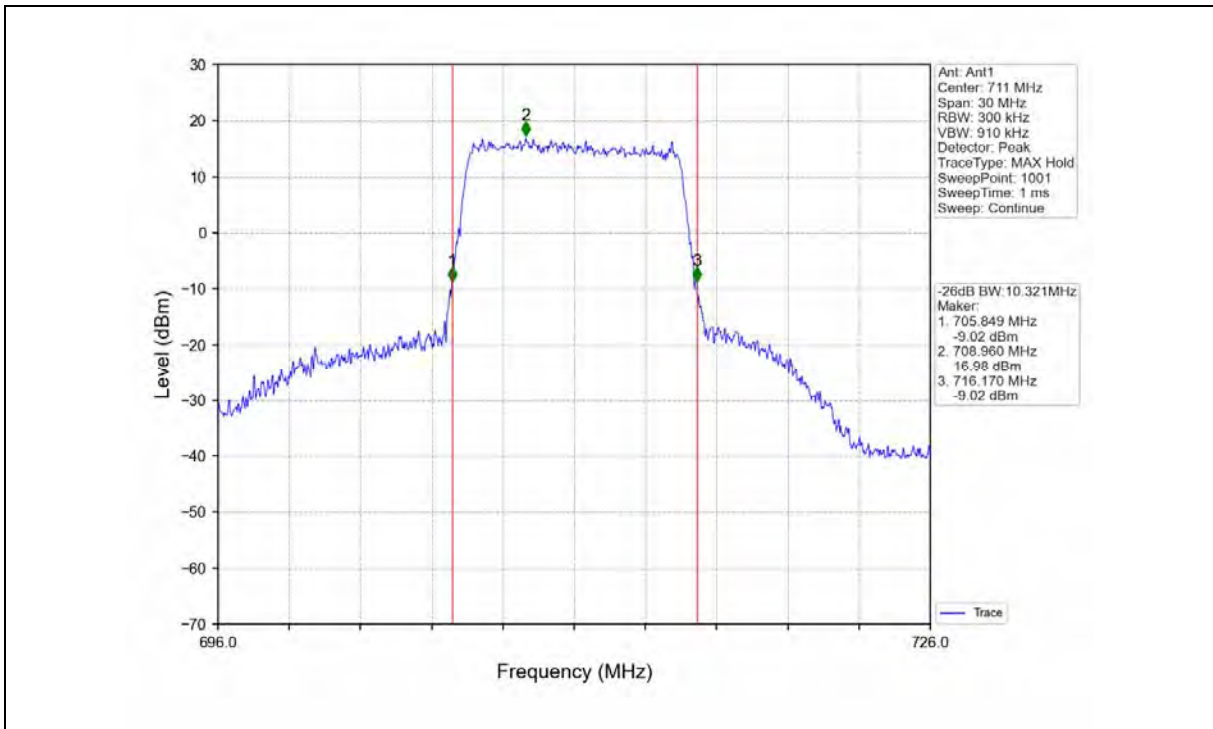


Band12\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV

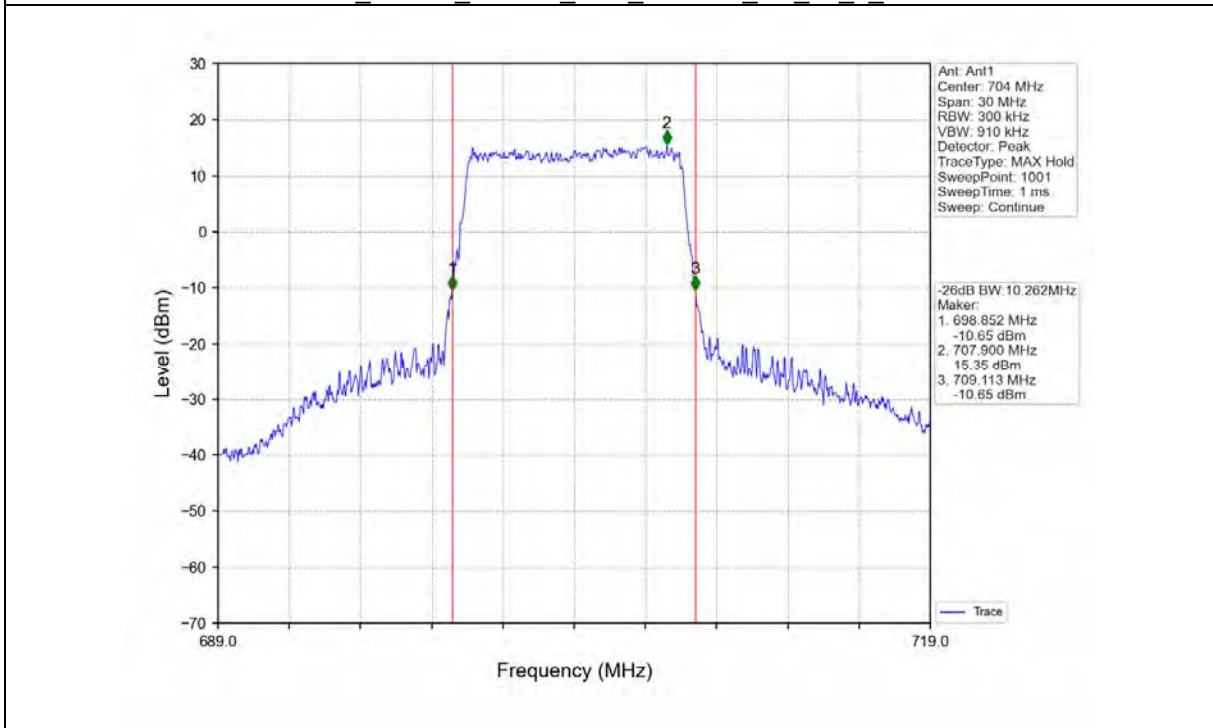


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_10MHz\_64QAM\_LCH\_704MHz\_RB\_50\_0\_NTNV

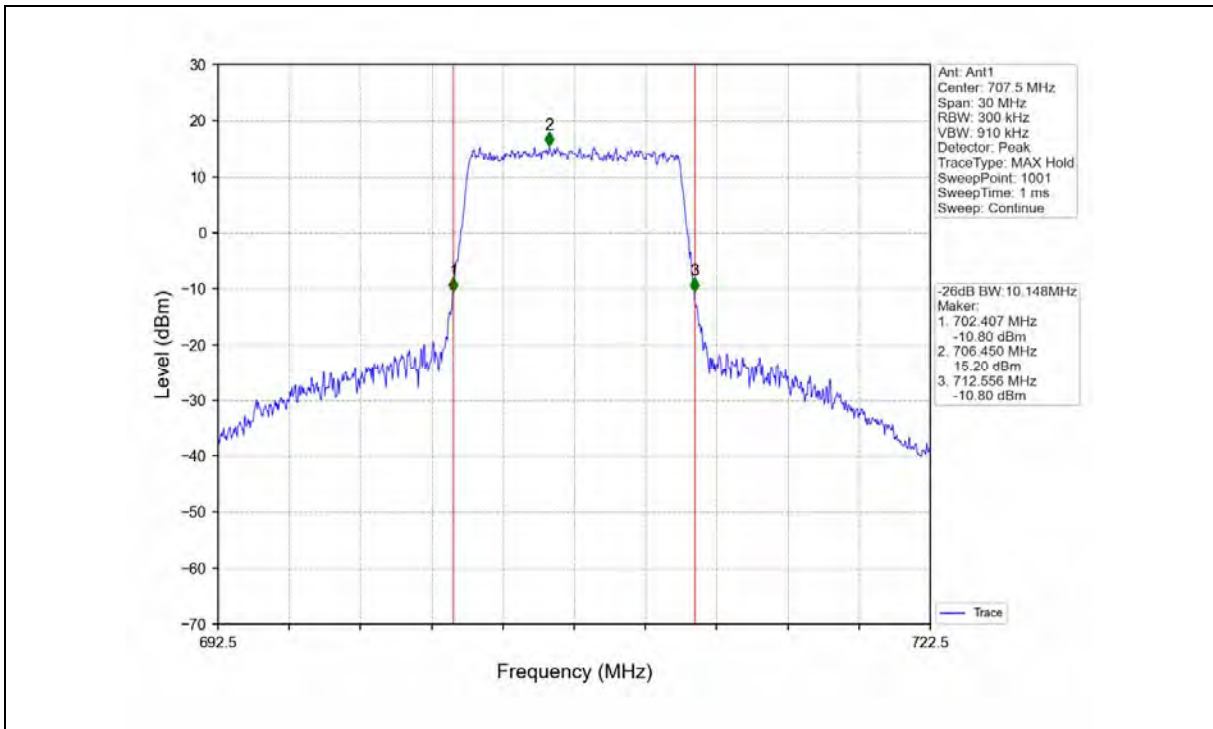


Band12\_10MHz\_64QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV

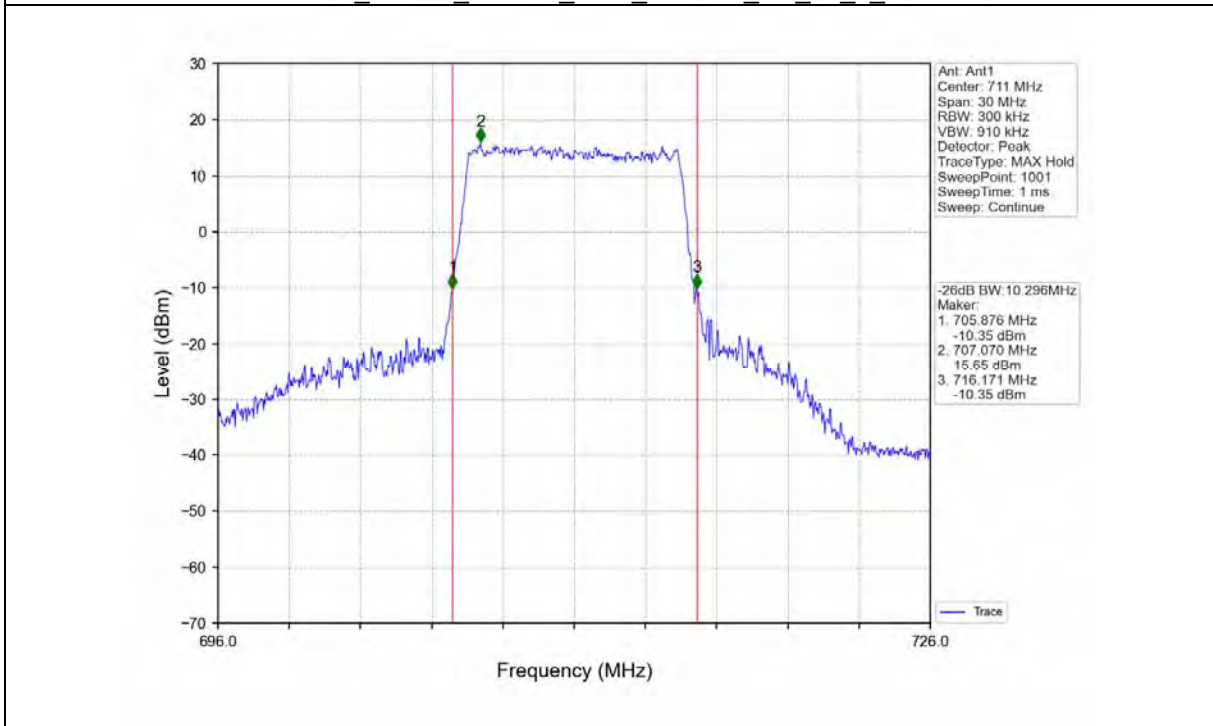


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Test Report No.: W7L-220503W001RF06



Band12\_10MHz\_64QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV





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VERITAS**

**Test Report No.: W7L-220503W001RF06**

Peak-Average Ratio

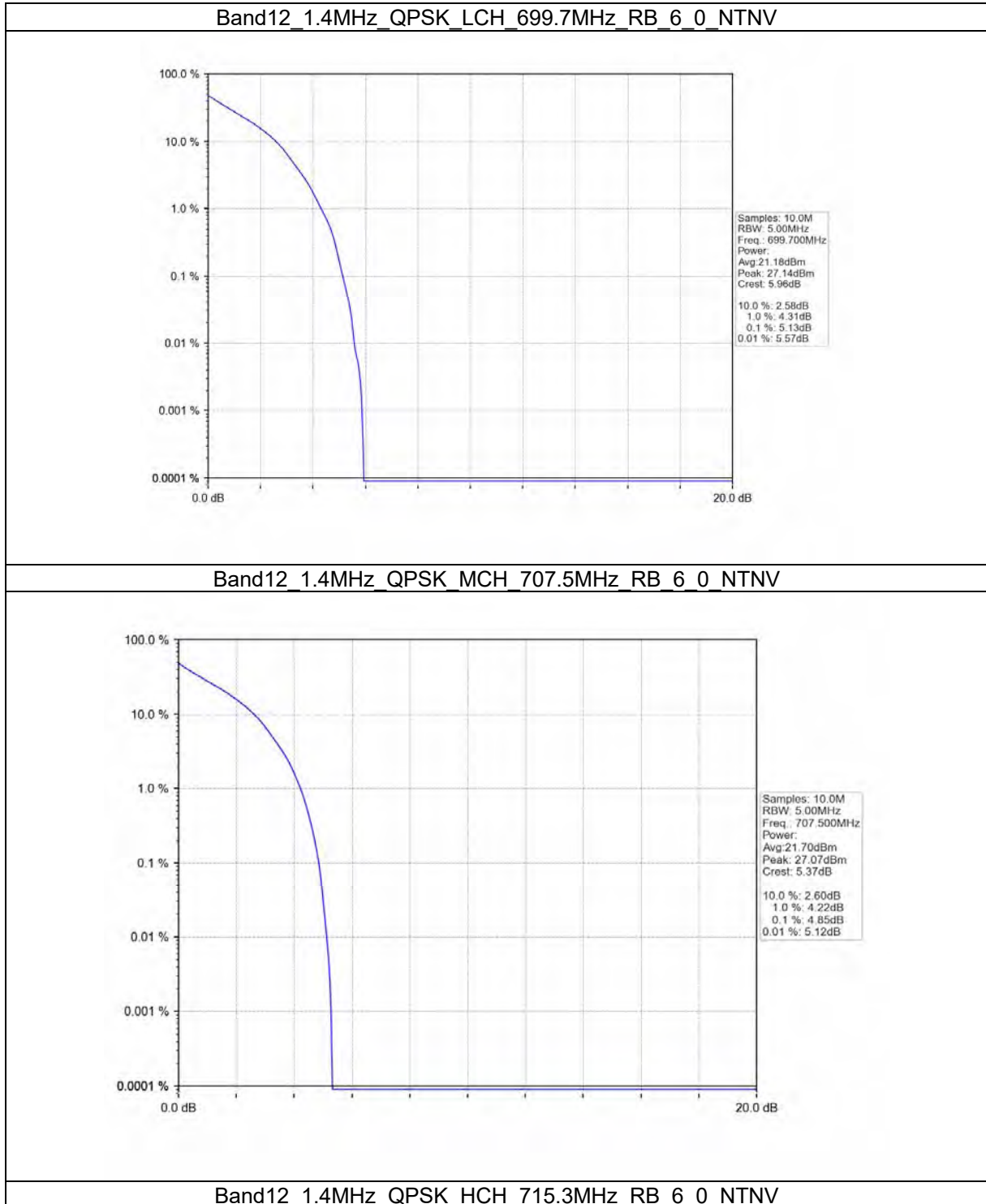
B12\_1.4MHz

Test Result

Band: 12 / Bandwidth: 1.4MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.13	<=13	Pass
	707.5	6	0	4.85	<=13	Pass
	715.3	6	0	3.56	<=13	Pass
16QAM	699.7	6	0	6.02	<=13	Pass
	707.5	6	0	5.72	<=13	Pass
	715.3	6	0	4.52	<=13	Pass
64QAM	699.7	6	0	6.20	<=13	Pass
	707.5	6	0	6.37	<=13	Pass
	715.3	6	0	5.20	<=13	Pass



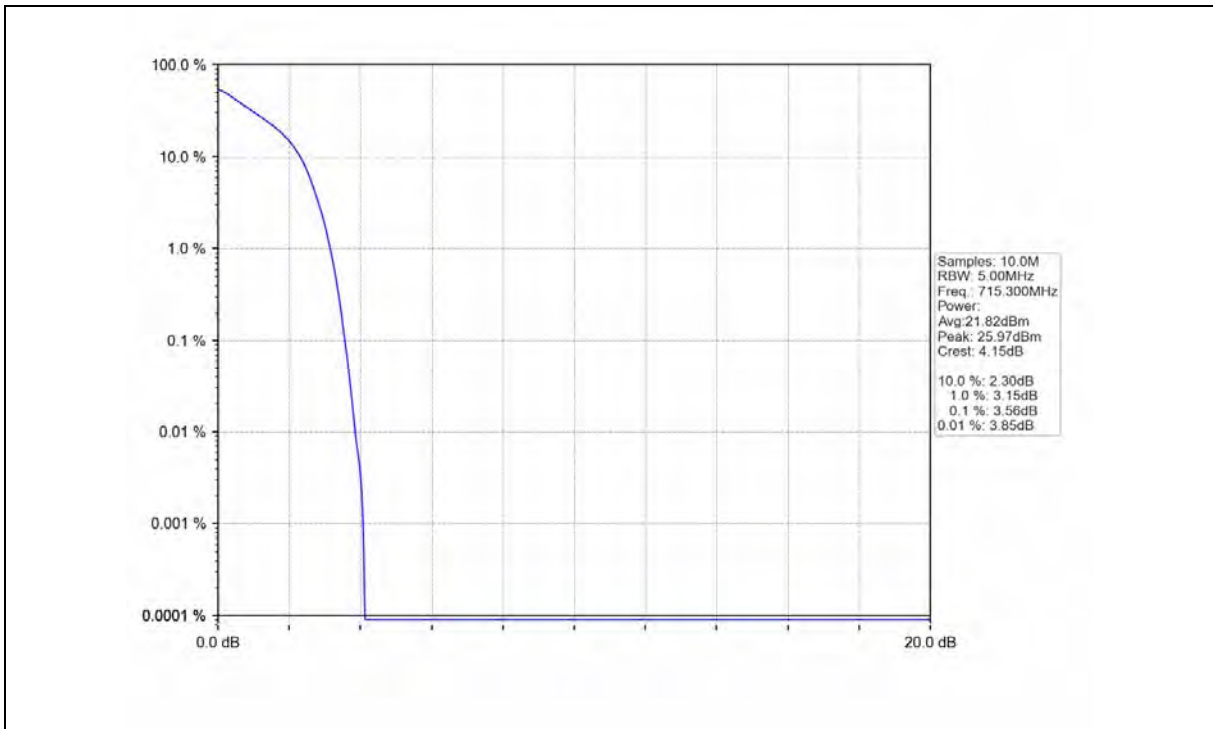
Test Graph



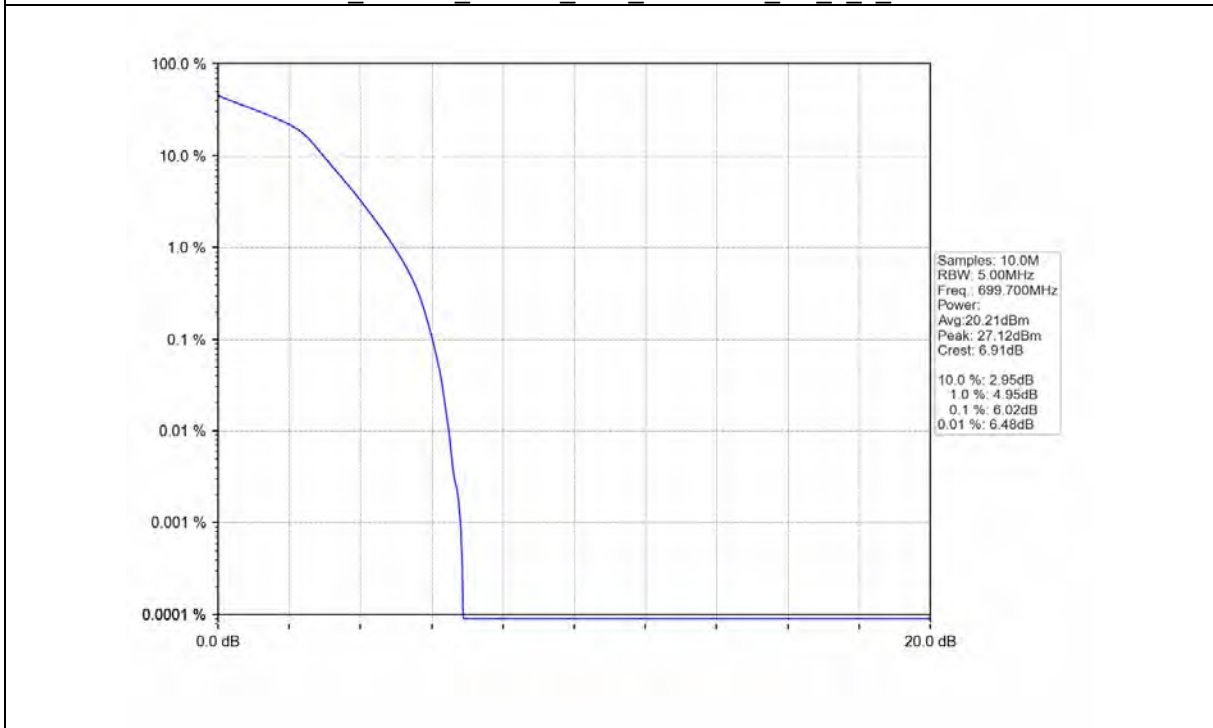


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV



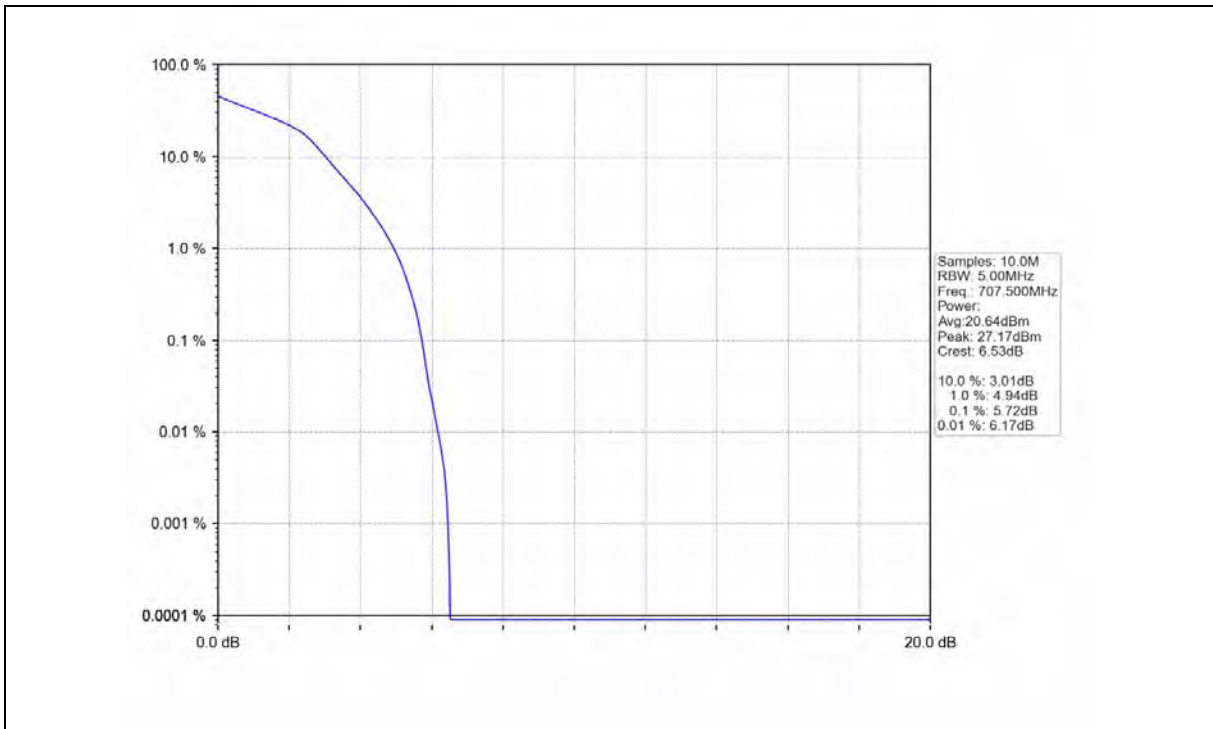
Band12\_1.4MHz\_16QAM\_MCH\_707.5MHz\_RB\_6\_0\_NTNV



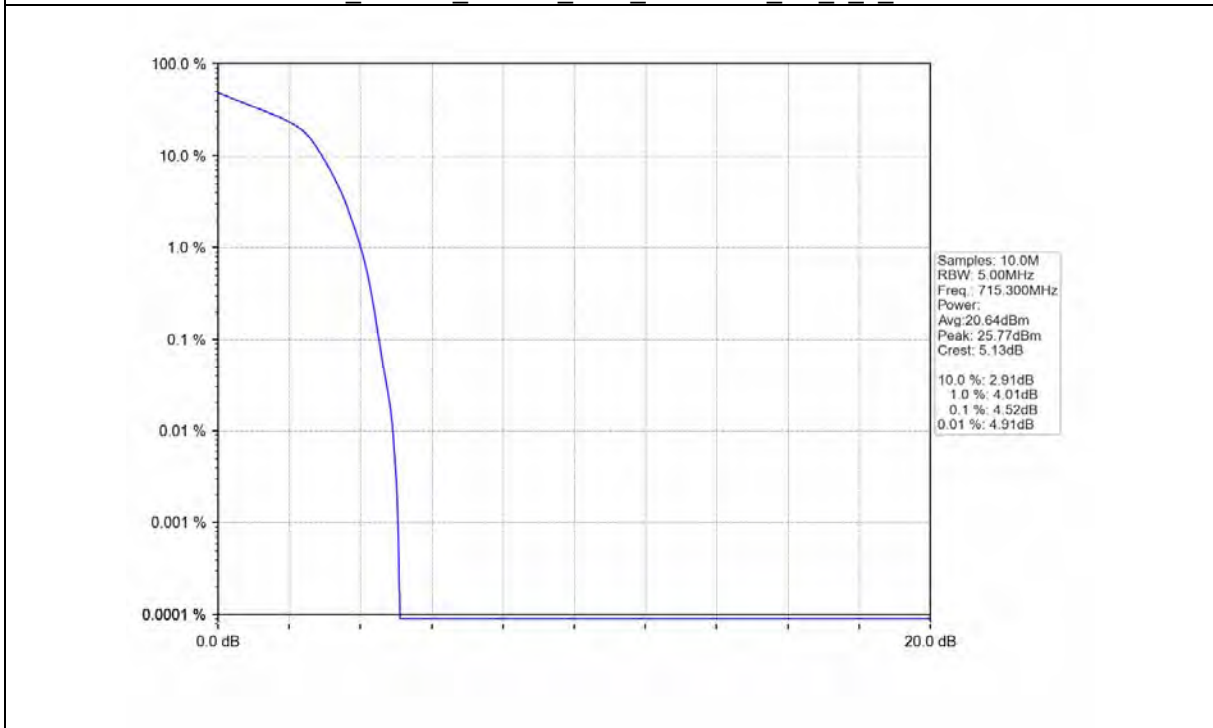


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTV

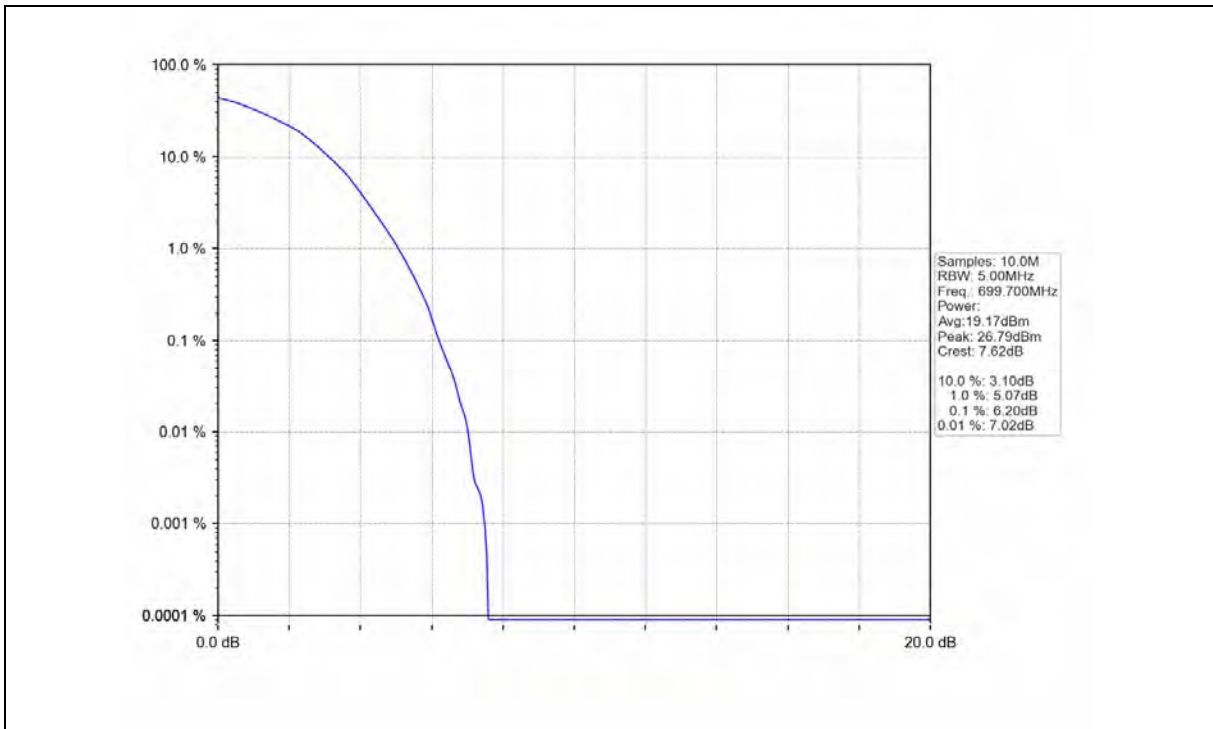


Band12 1.4MHz 64QAM LCH 699.7MHz RB 6 0 NTV

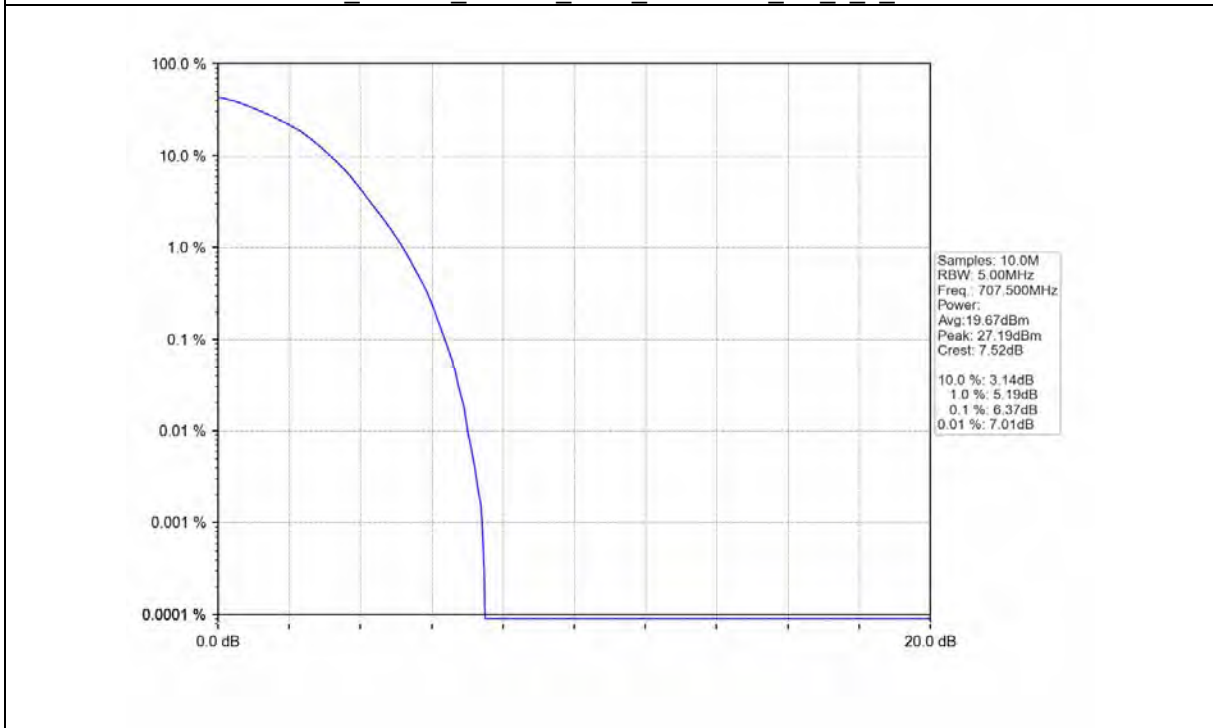


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Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_64QAM\_MCH\_707.5MHz\_RB\_6\_0\_NTNV

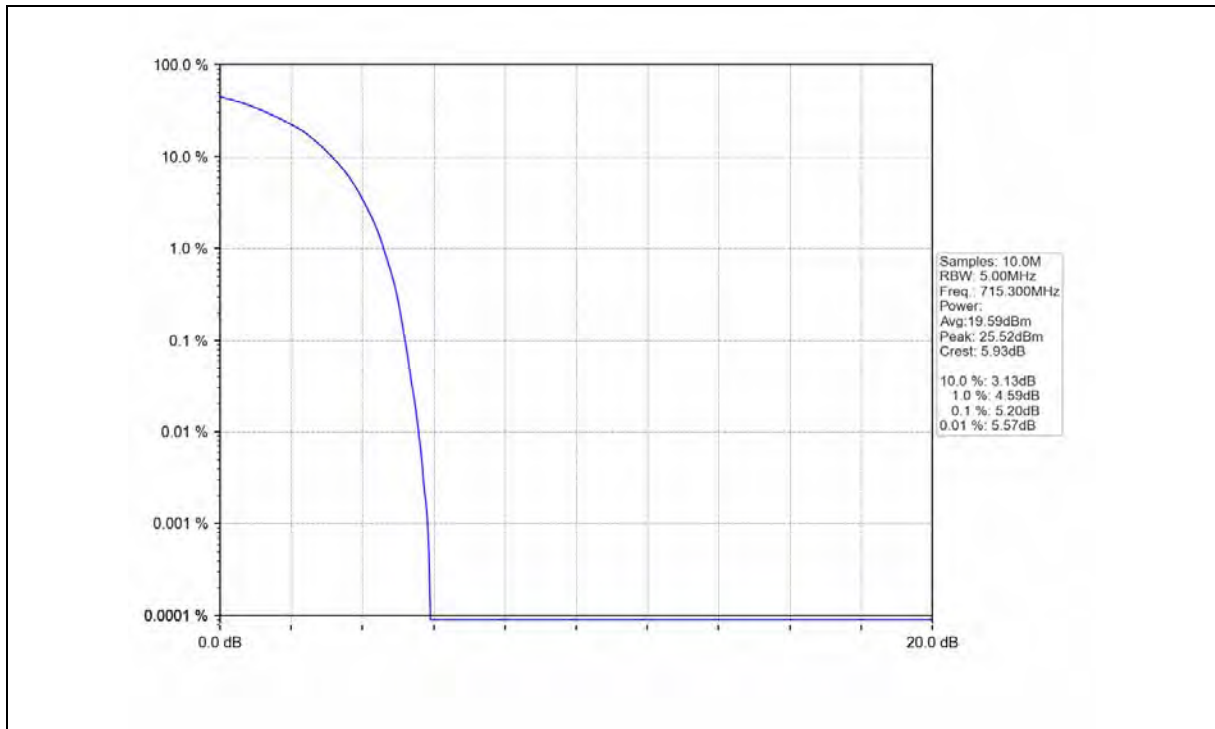


Band12\_1.4MHz\_64QAM\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



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VERITAS

Test Report No.: W7L-220503W001RF06





Test Report No.: W7L-220503W001RF06

B12\_3MHz

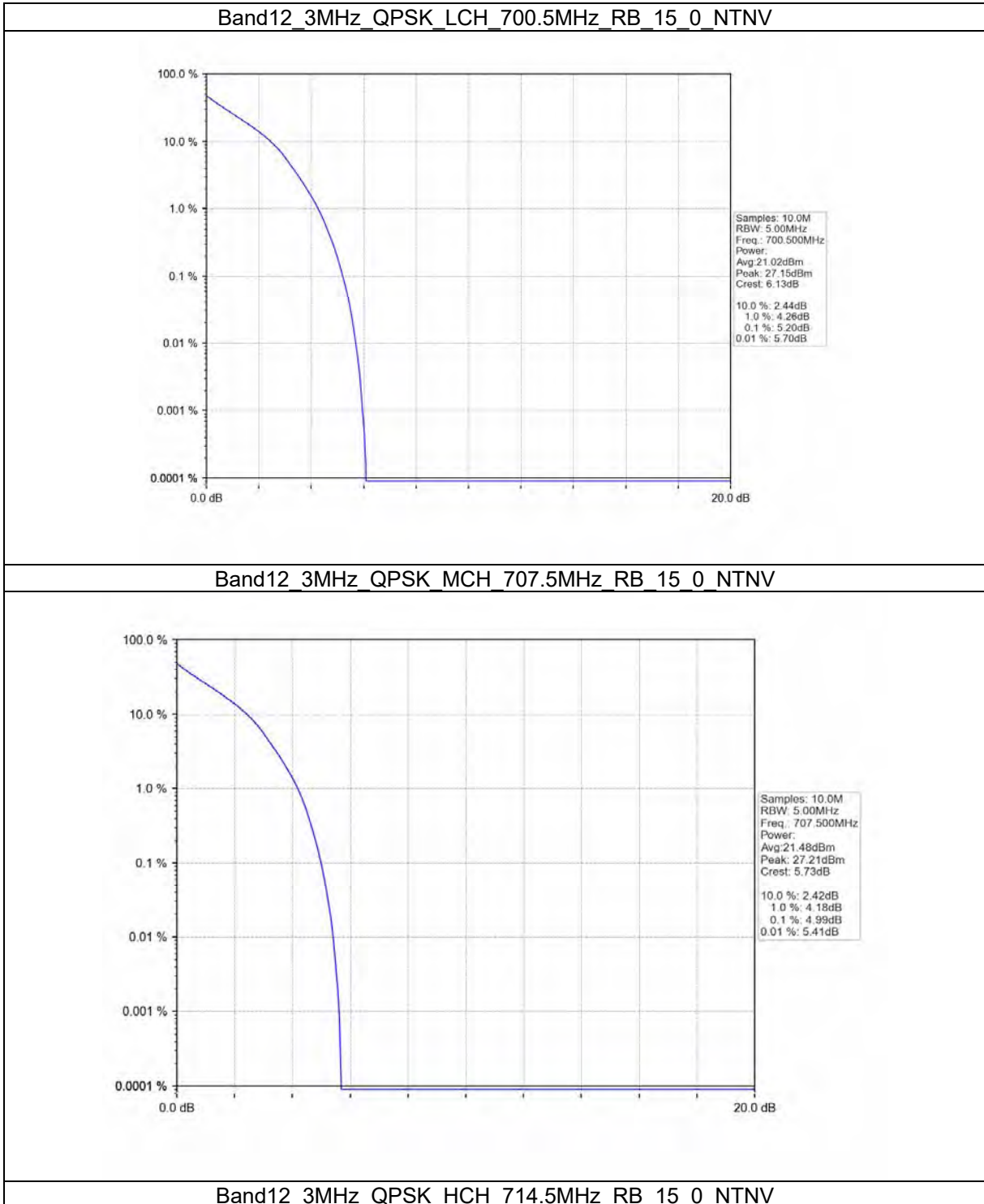
Test Result

Band: 12 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.20	<=13	Pass
	707.5	15	0	4.99	<=13	Pass
	714.5	15	0	3.96	<=13	Pass
16QAM	700.5	15	0	6.04	<=13	Pass
	707.5	15	0	5.87	<=13	Pass
	714.5	15	0	4.86	<=13	Pass
64QAM	700.5	15	0	6.43	<=13	Pass
	707.5	15	0	6.29	<=13	Pass
	714.5	15	0	5.54	<=13	Pass



Test Report No.: W7L-220503W001RF06

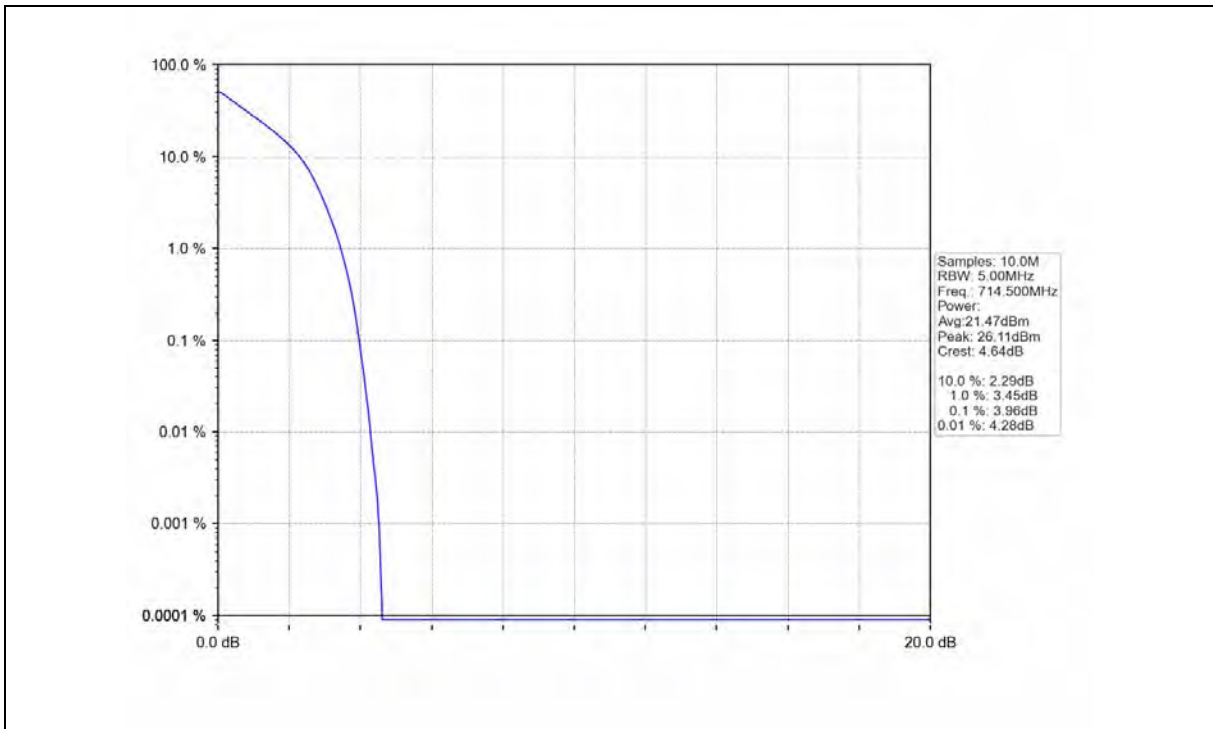
### Test Graph



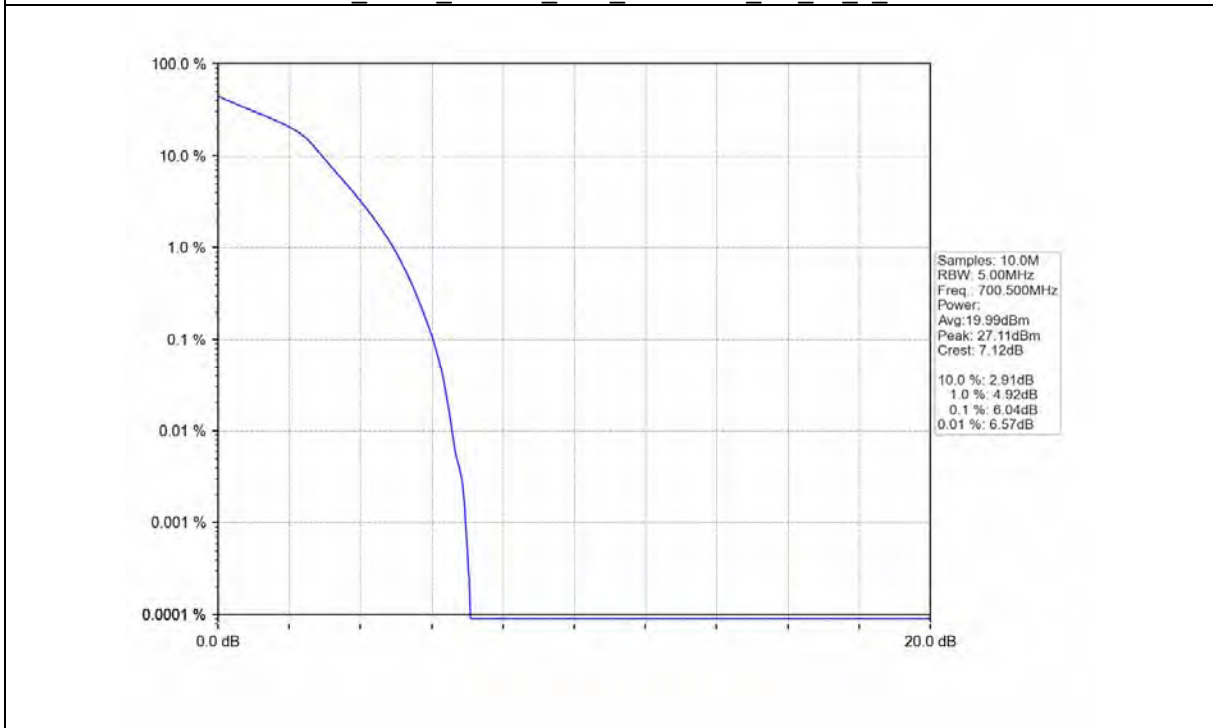


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Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_16QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV

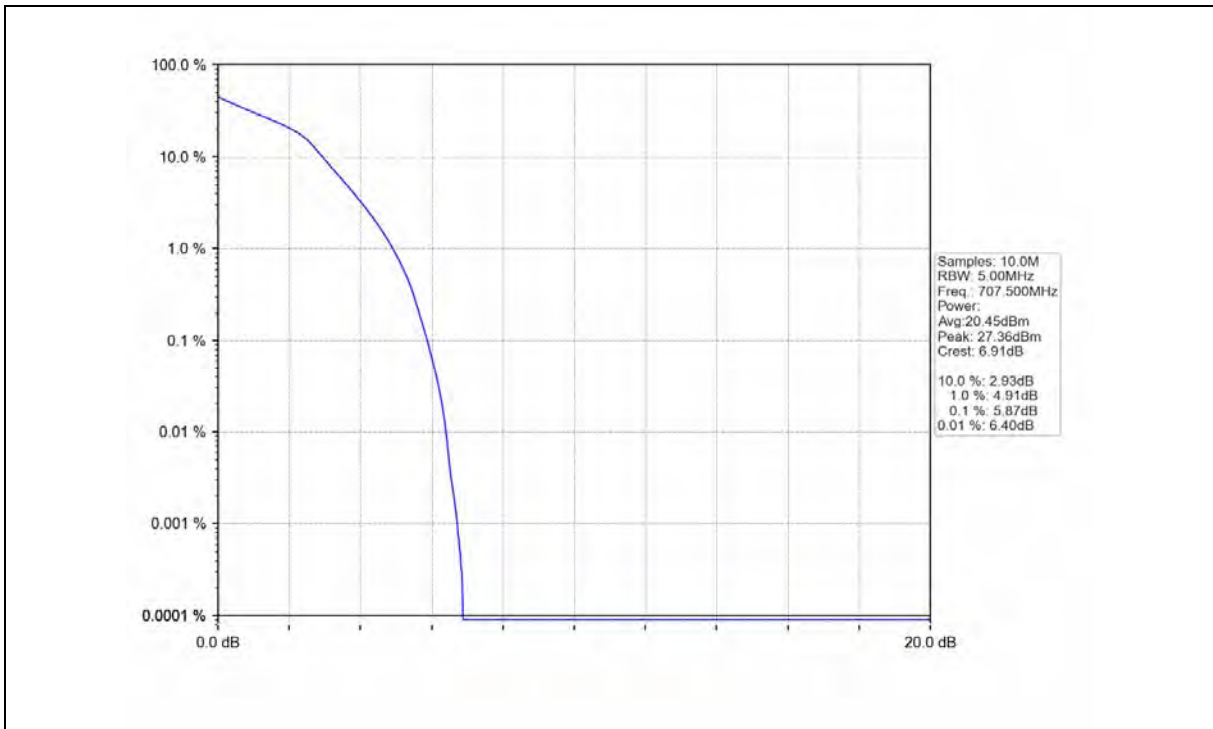


Band12\_3MHz\_16QAM\_MCH\_707.5MHz\_RB\_15\_0\_NTNV

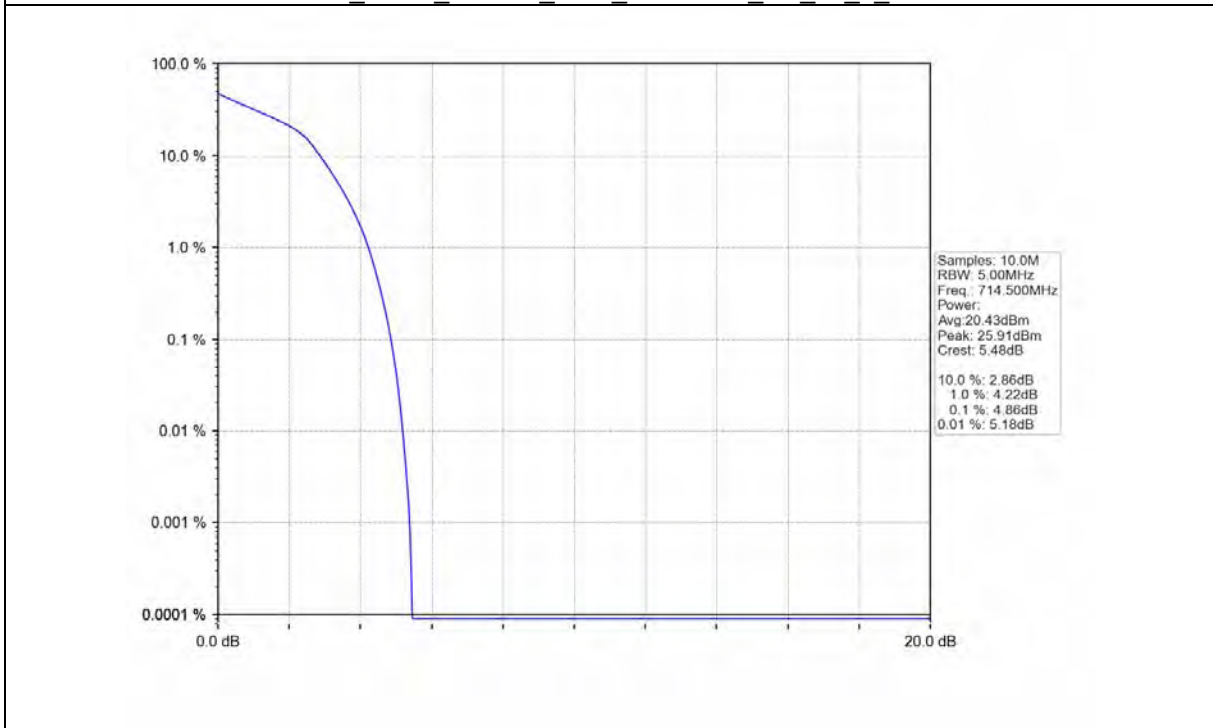


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_16QAM\_HCH\_714.5MHz\_RB\_15\_0\_NTNV

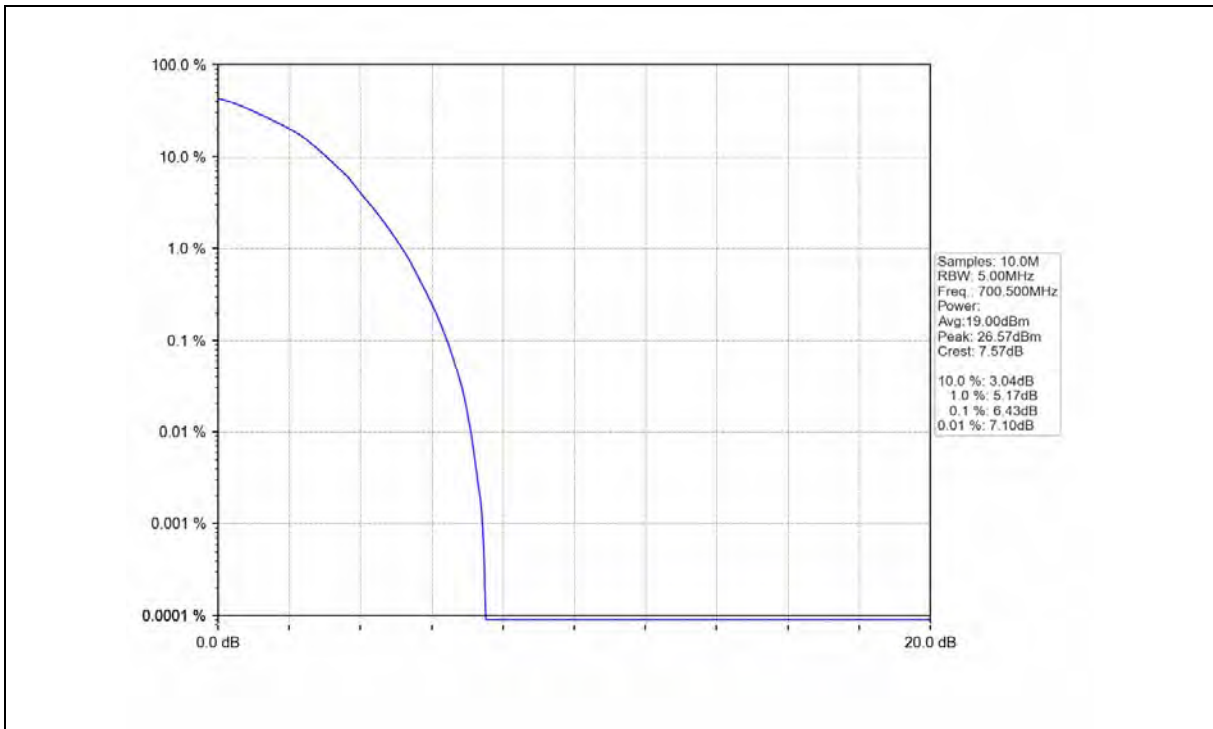


Band12\_3MHz\_64QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV

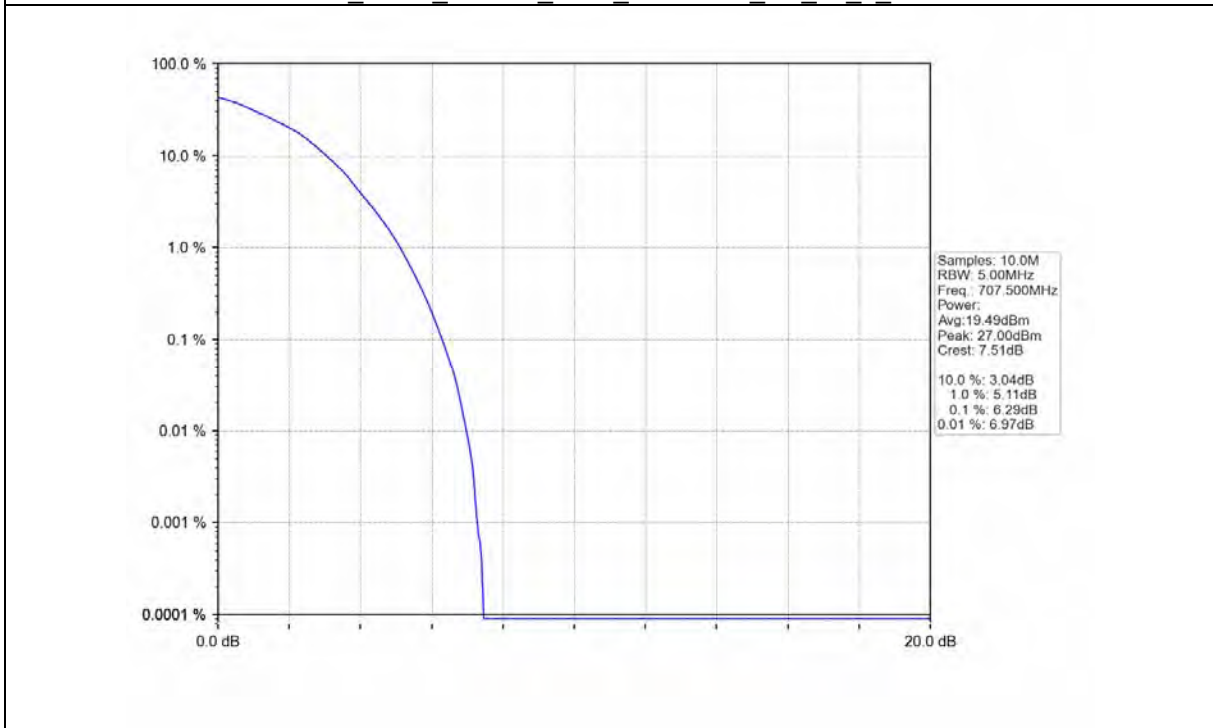


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_64QAM\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



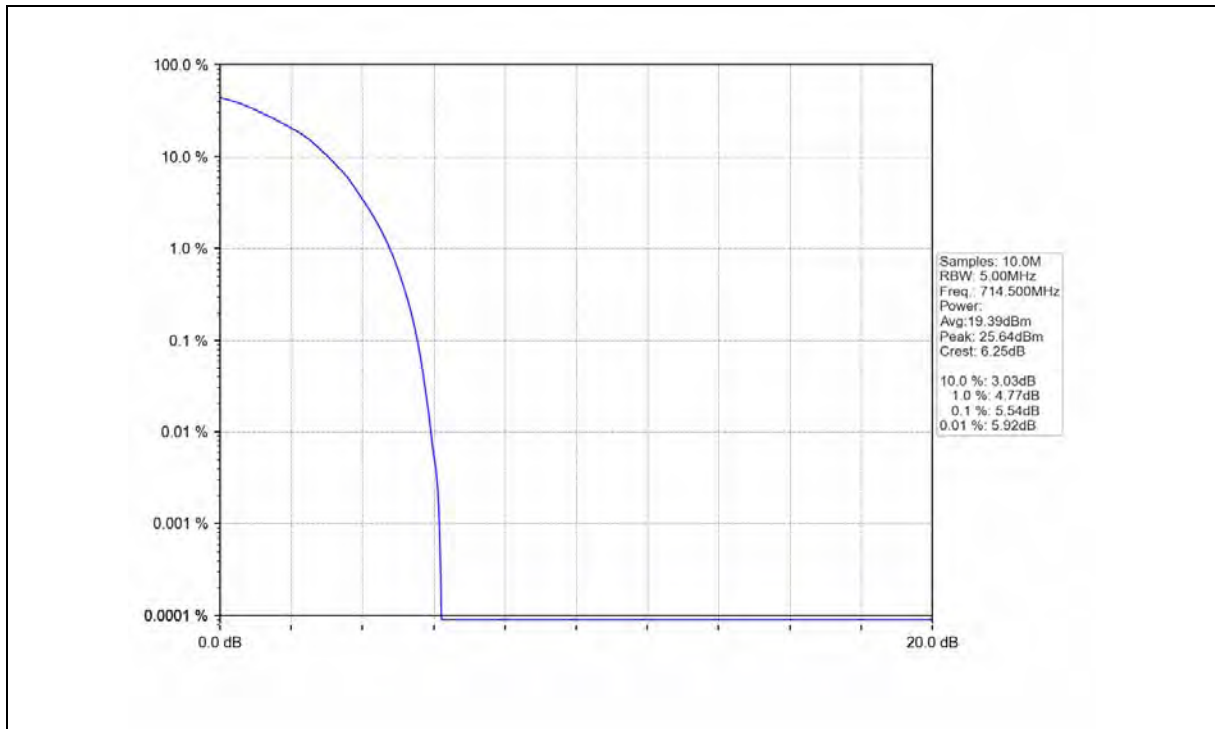
Band12\_3MHz\_64QAM\_HCH\_714.5MHz\_RB\_15\_0\_NTNV





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VERITAS

Test Report No.: W7L-220503W001RF06





Test Report No.: W7L-220503W001RF06

B12\_5MHz

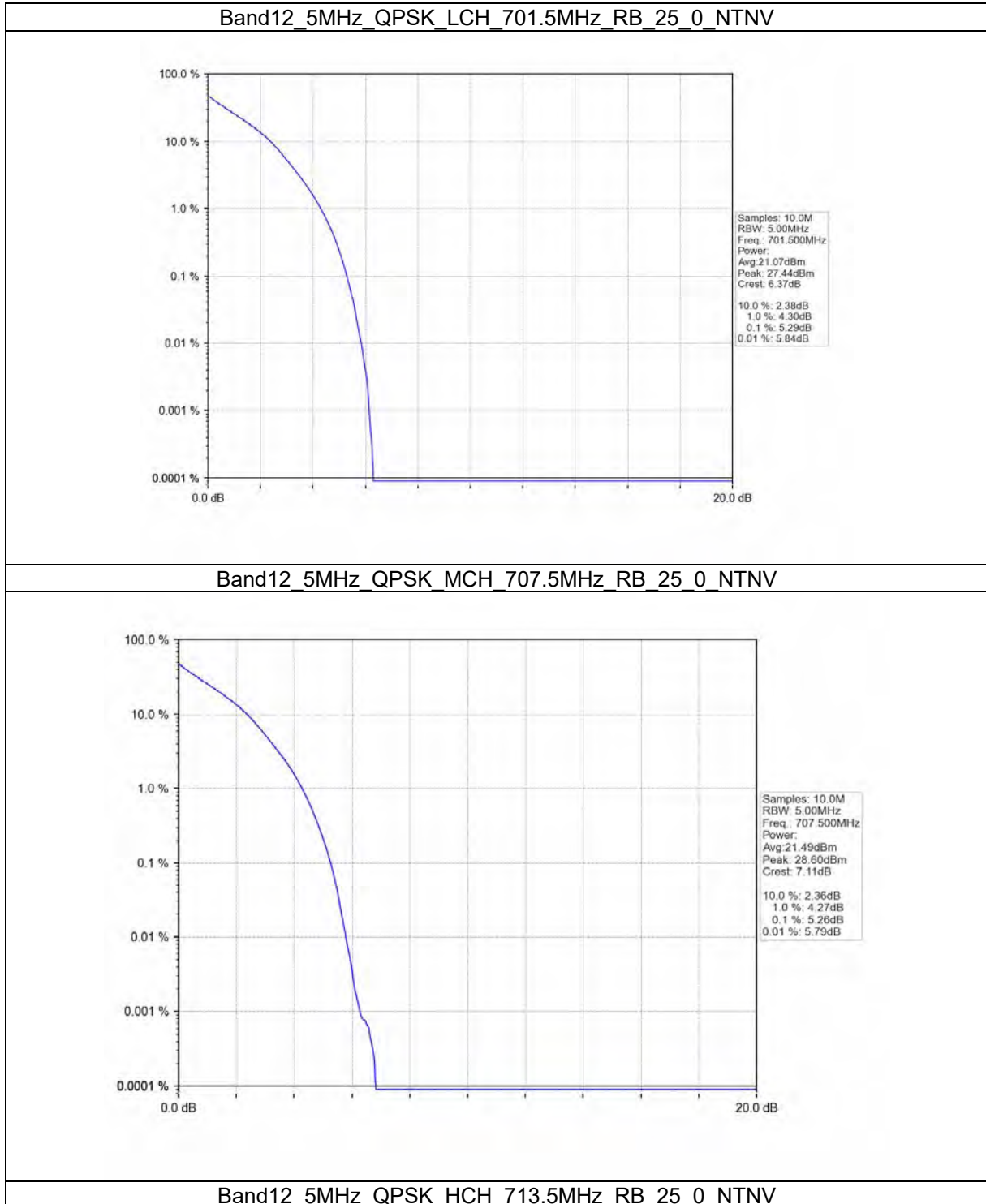
Test Result

Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.29	<=13	Pass
	707.5	25	0	5.26	<=13	Pass
	713.5	25	0	4.73	<=13	Pass
16QAM	701.5	25	0	6.01	<=13	Pass
	707.5	25	0	5.99	<=13	Pass
	713.5	25	0	5.52	<=13	Pass
64QAM	701.5	25	0	6.38	<=13	Pass
	707.5	25	0	6.38	<=13	Pass
	713.5	25	0	5.99	<=13	Pass



Test Report No.: W7L-220503W001RF06

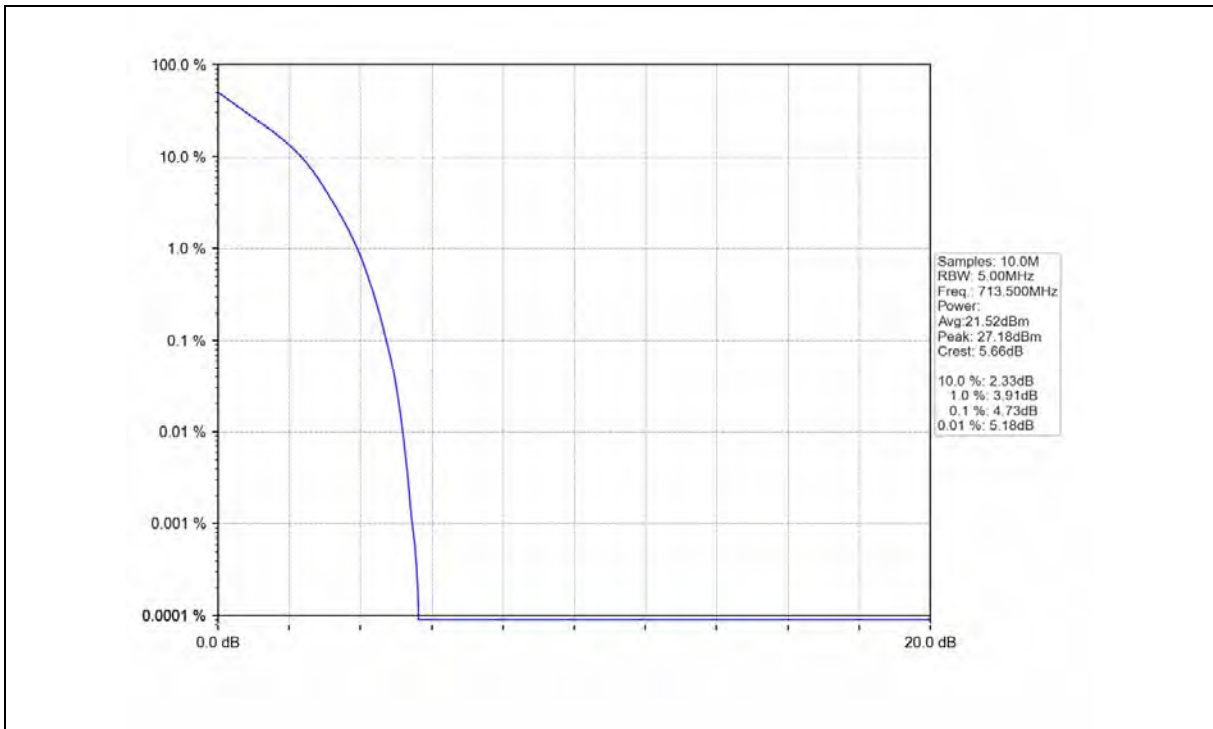
### Test Graph



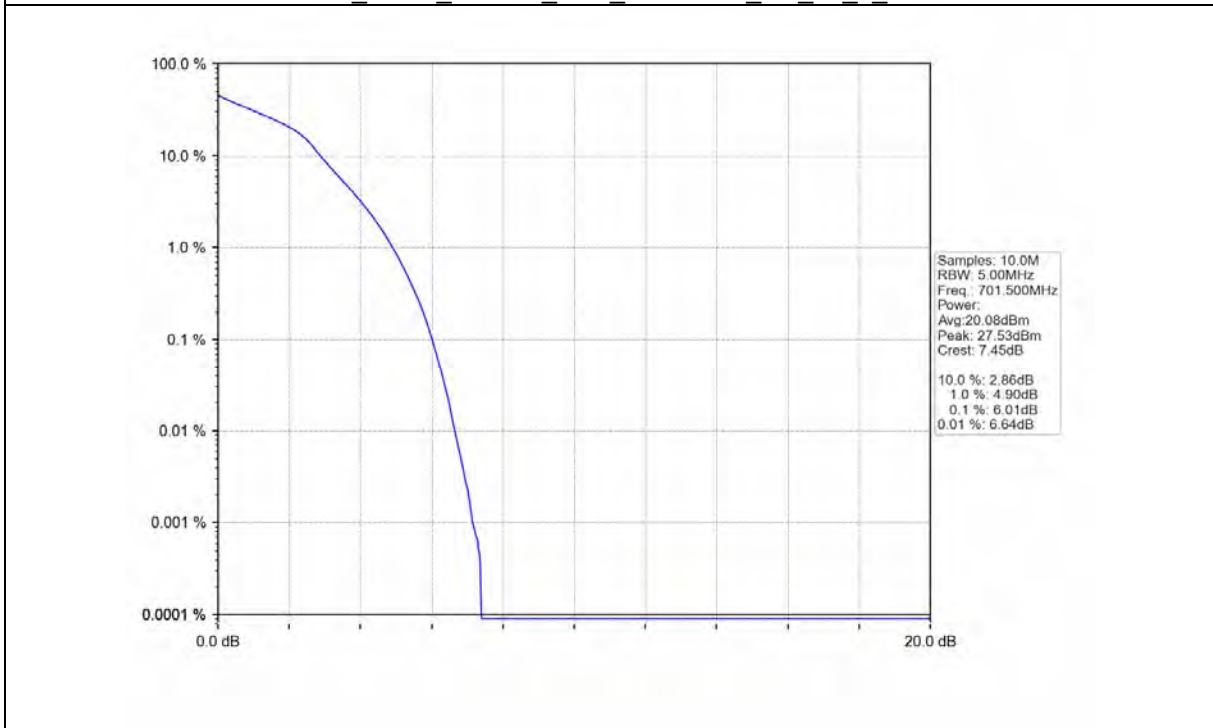


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_16QAM\_LCH\_701.5MHz\_RB\_25\_0\_NTNV

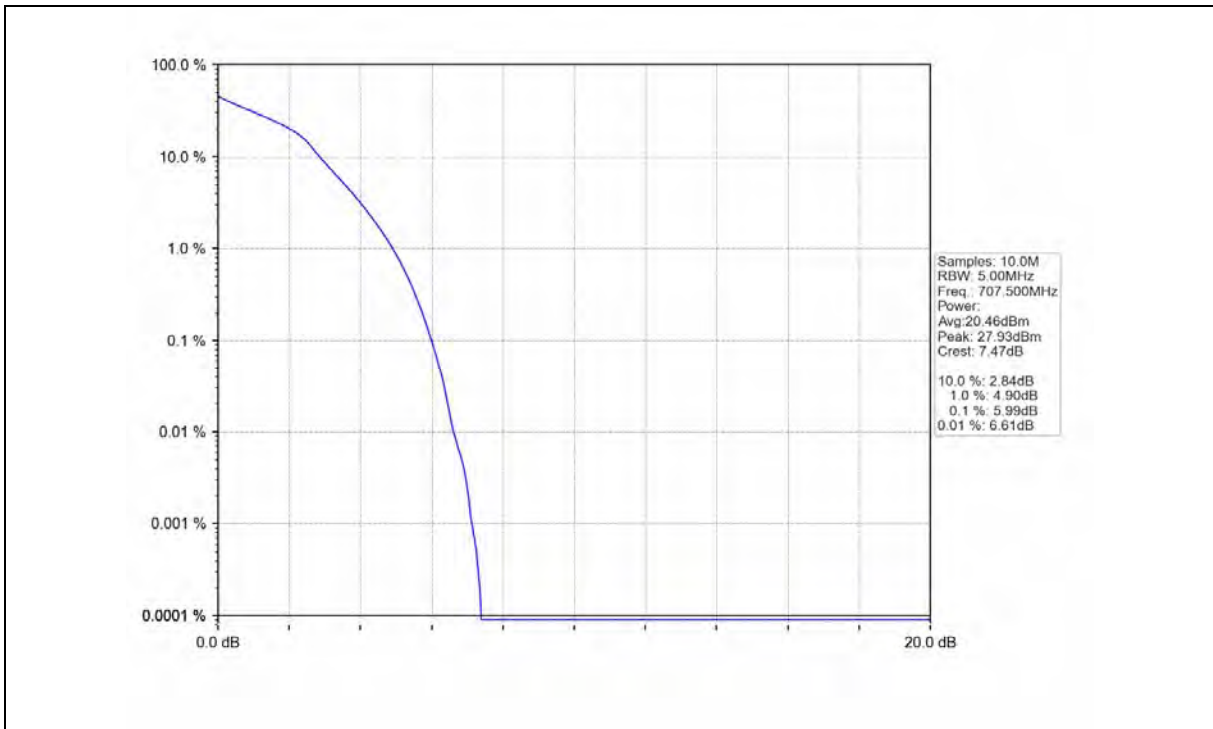


Band12\_5MHz\_16QAM\_MCH\_707.5MHz\_RB\_25\_0\_NTNV

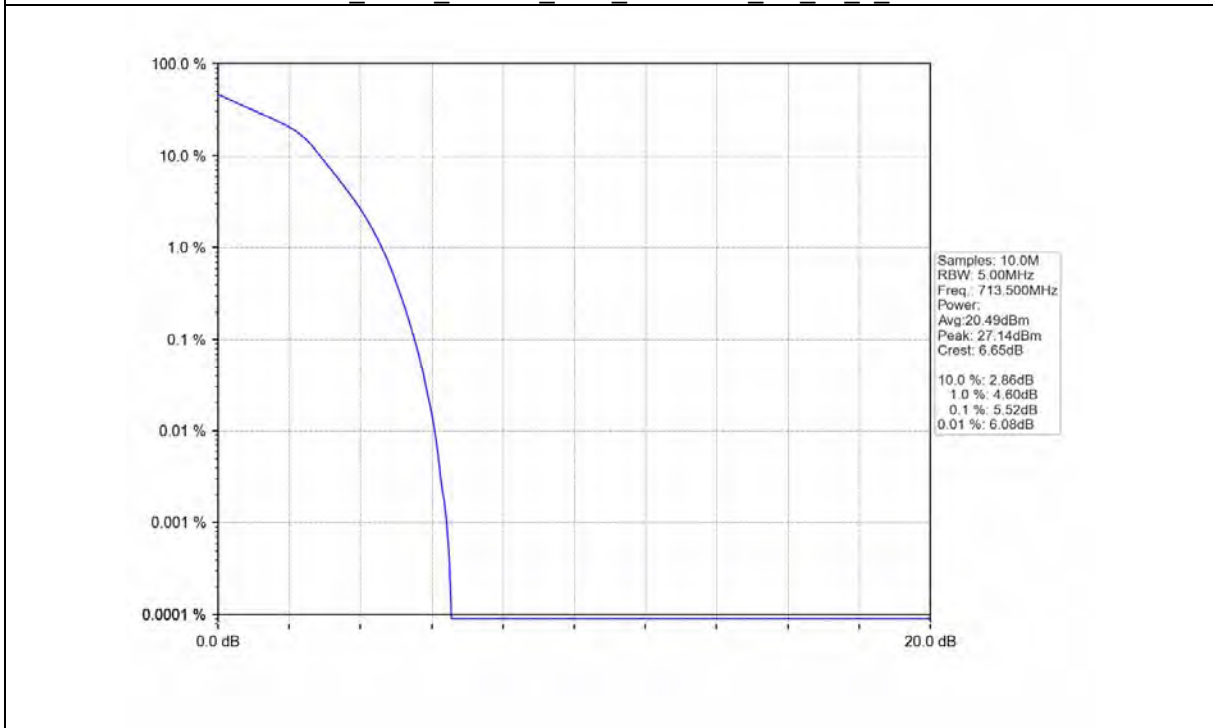


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV

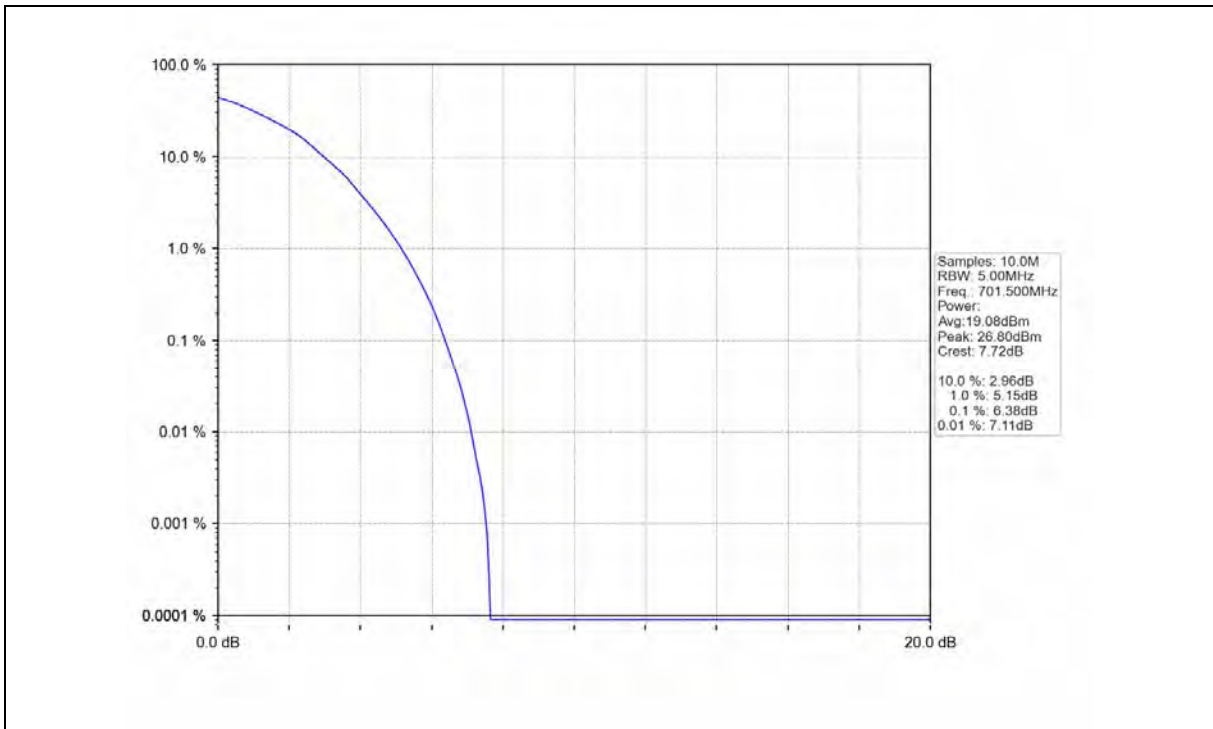


Band12\_5MHz\_64QAM\_LCH\_701.5MHz\_RB\_25\_0\_NTNV

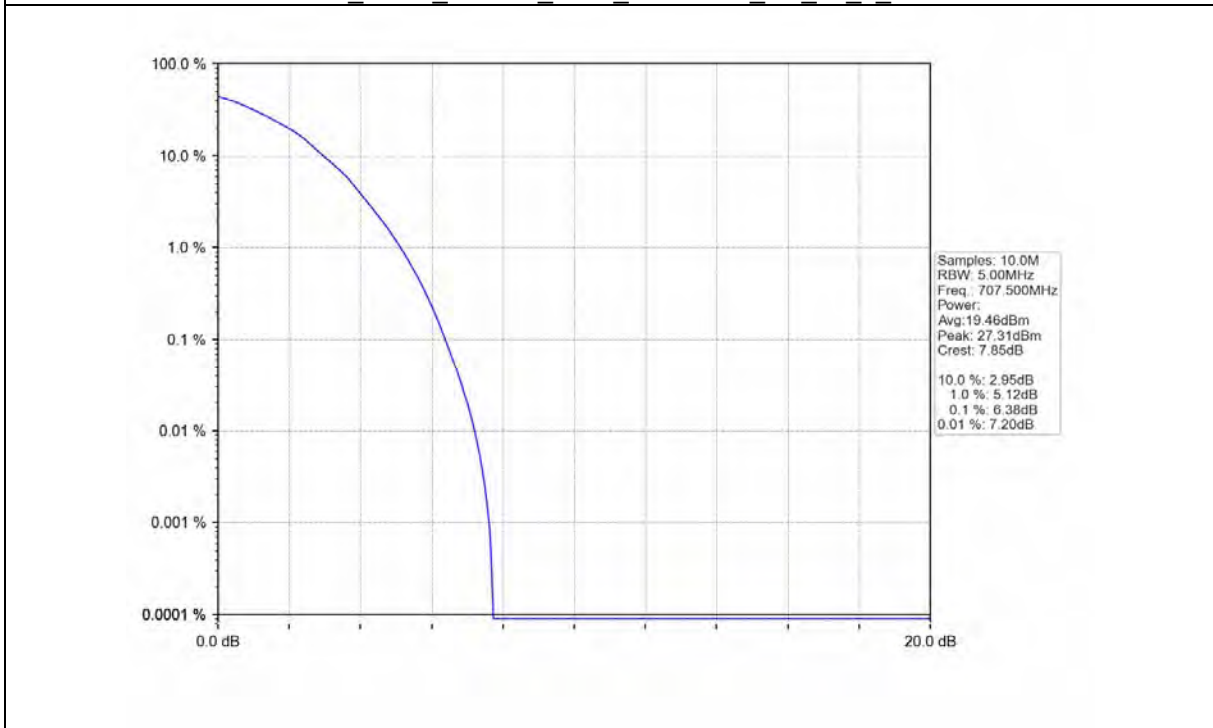


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_64QAM\_MCH\_707.5MHz\_RB\_25\_0\_NTNV

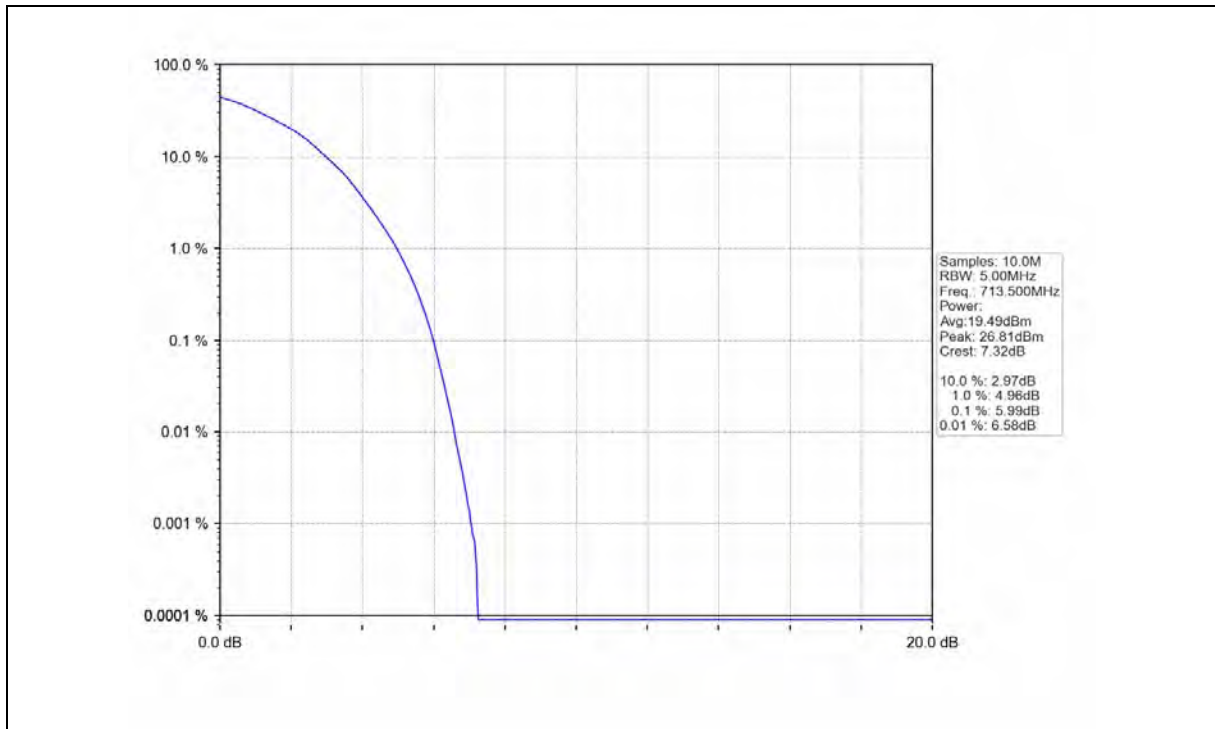


Band12\_5MHz\_64QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



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VERITAS

Test Report No.: W7L-220503W001RF06





Test Report No.: W7L-220503W001RF06

B12\_10MHz

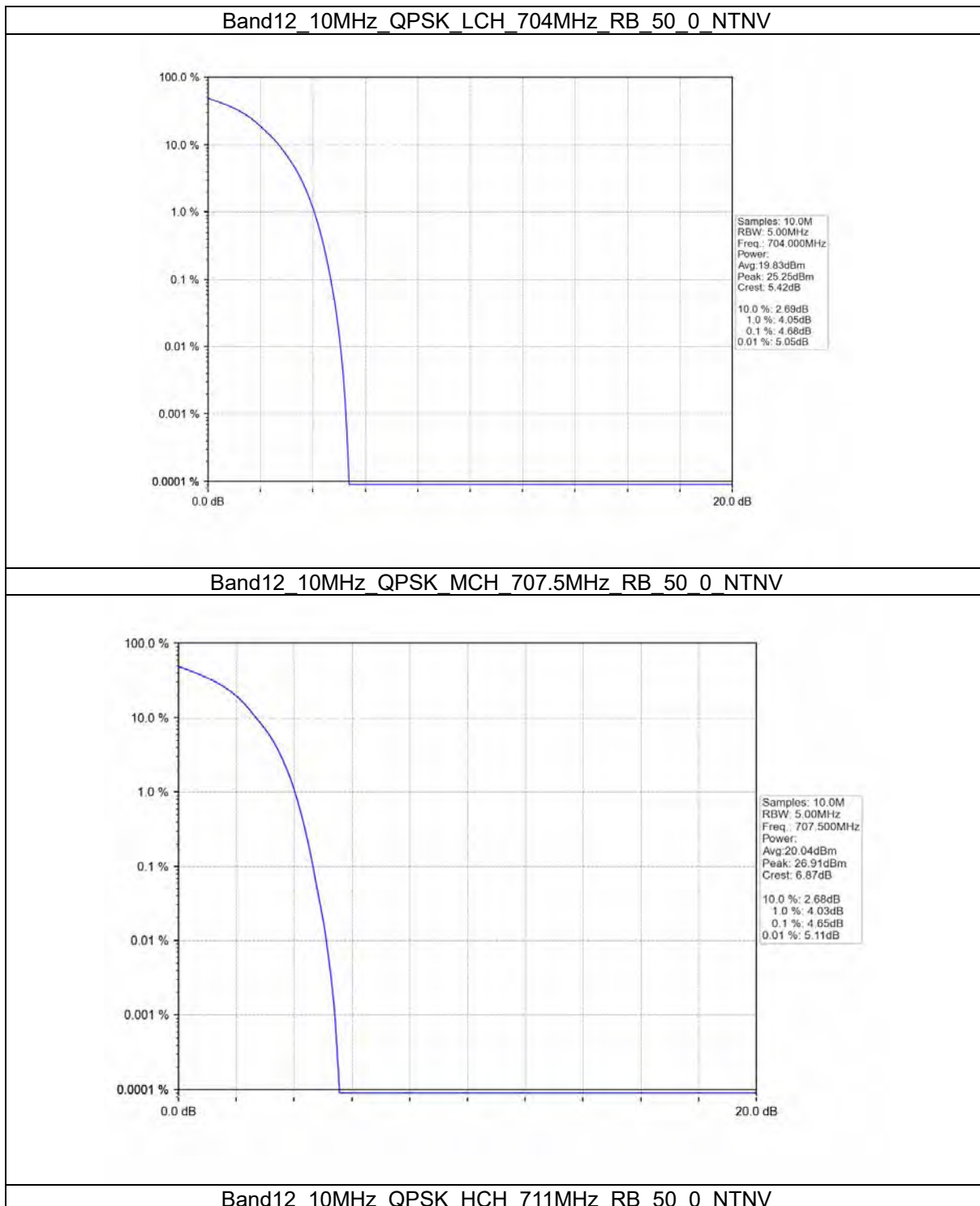
### Test Result

Band: 12 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	4.68	<=13	Pass
	707.5	50	0	4.65	<=13	Pass
	711	50	0	4.63	<=13	Pass
16QAM	704	50	0	6.05	<=13	Pass
	707.5	50	0	6.02	<=13	Pass
	711	50	0	6.05	<=13	Pass
64QAM	704	50	0	6.36	<=13	Pass
	707.5	50	0	6.35	<=13	Pass
	711	50	0	6.37	<=13	Pass





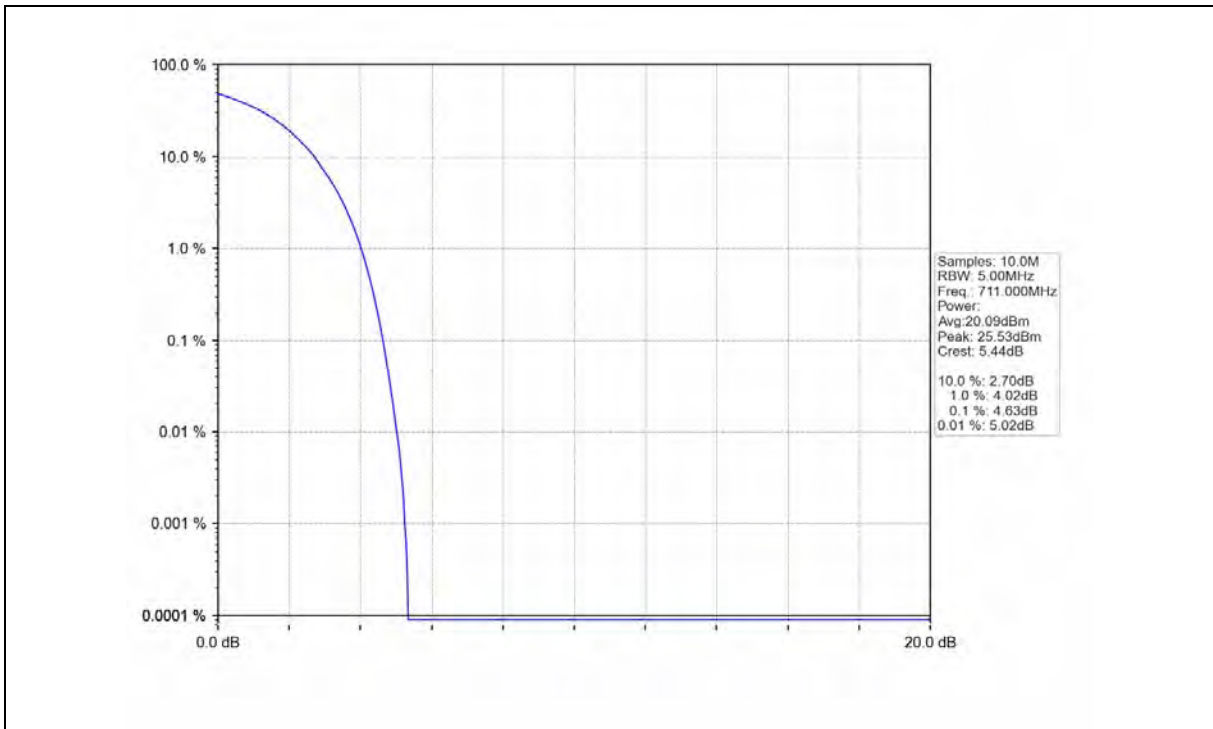
Test Graph



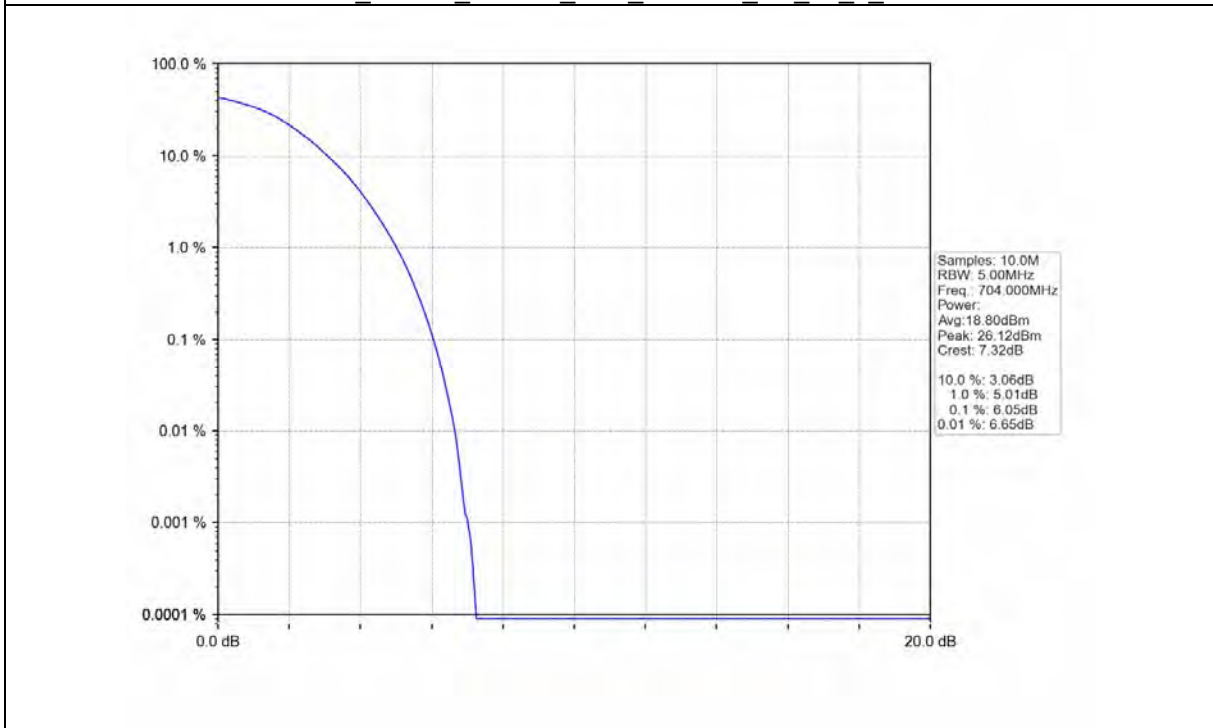


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_10MHz\_16QAM\_LCH\_704MHz\_RB\_50\_0\_NTNV

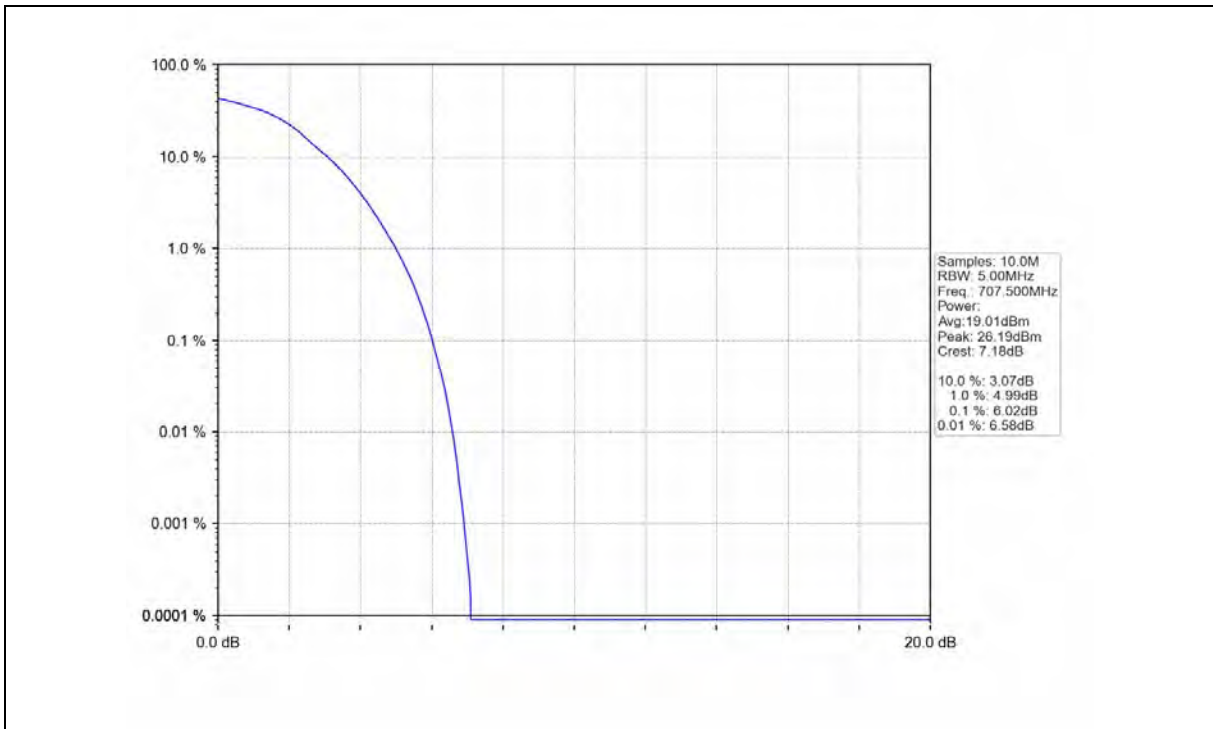


Band12\_10MHz\_16QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV

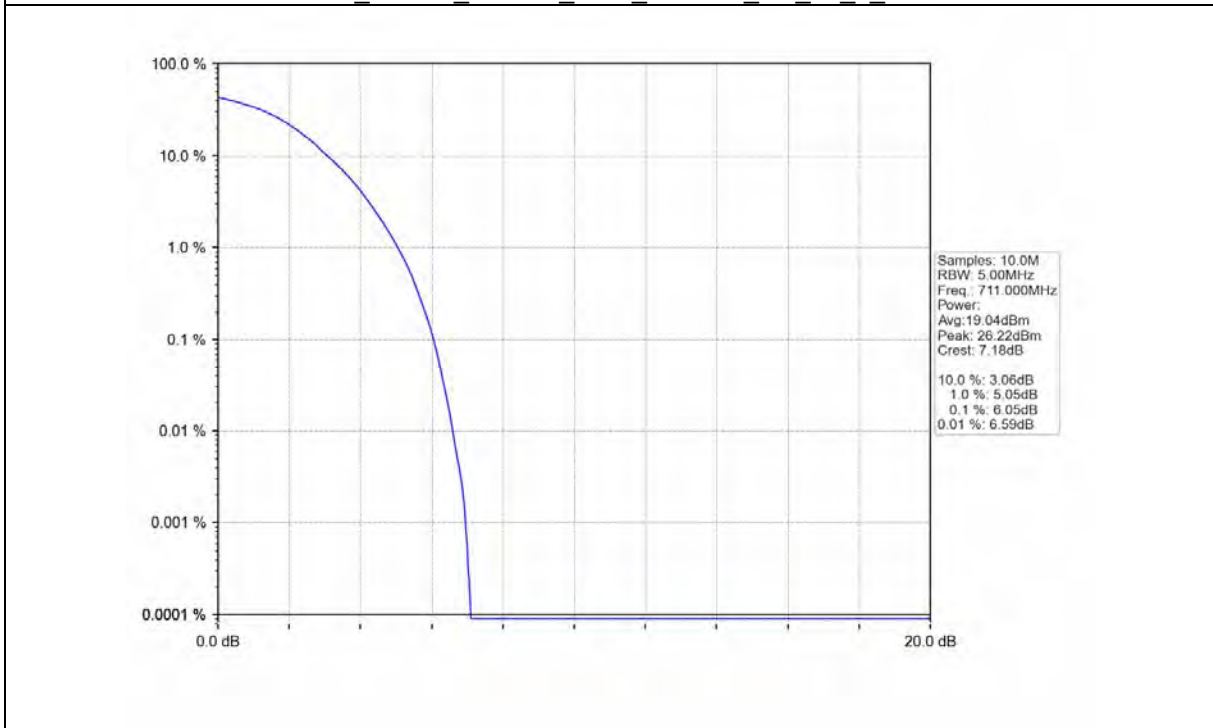


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV

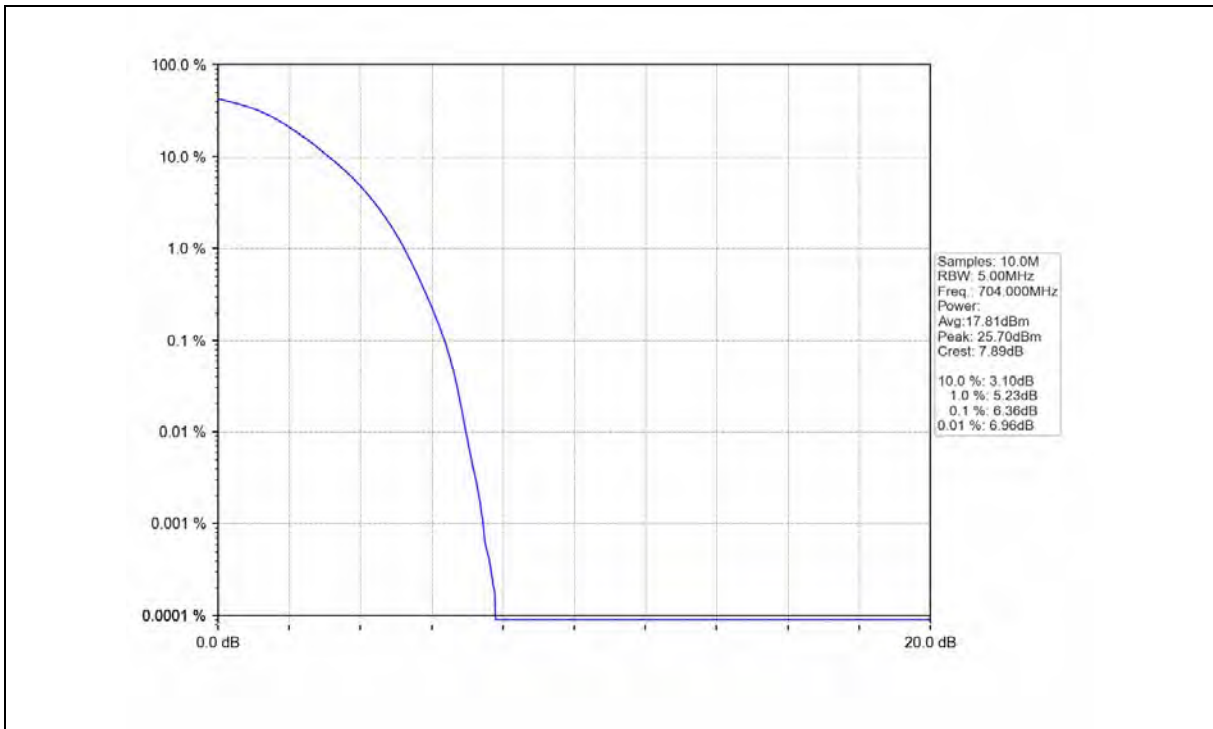


Band12\_10MHz\_64QAM\_LCH\_704MHz\_RB\_50\_0\_NTNV

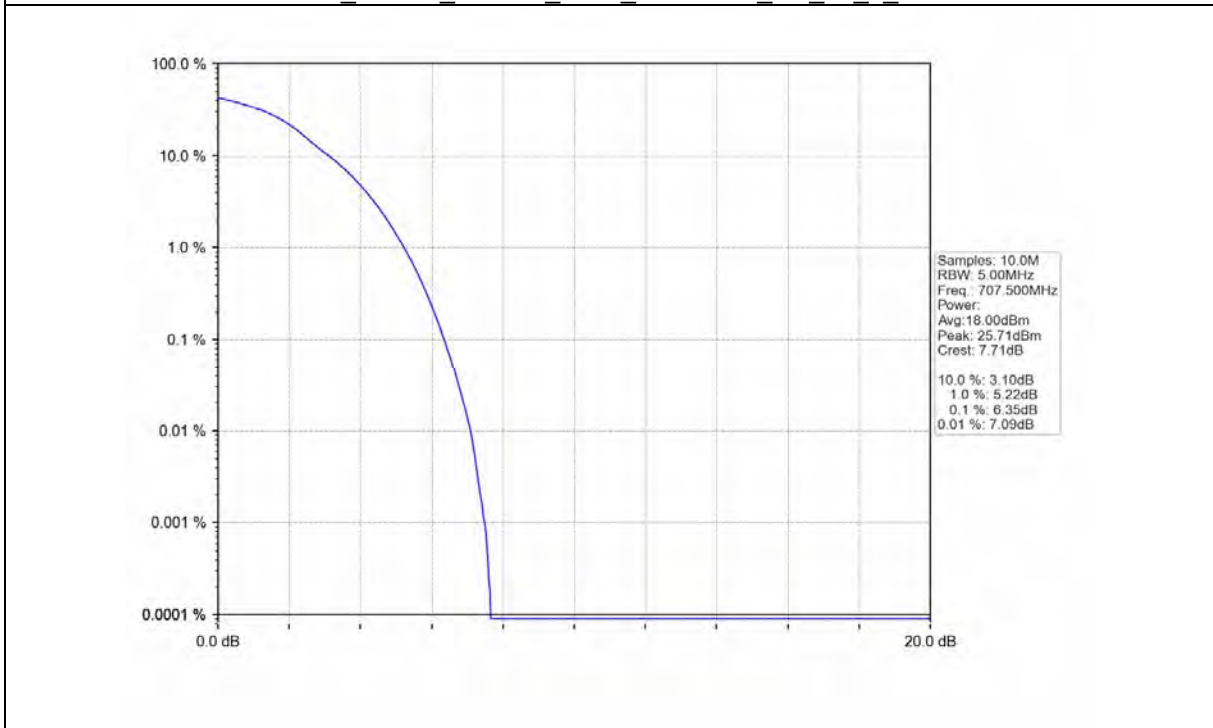


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_10MHz\_64QAM\_MCH\_707.5MHz\_RB\_50\_0\_NTNV

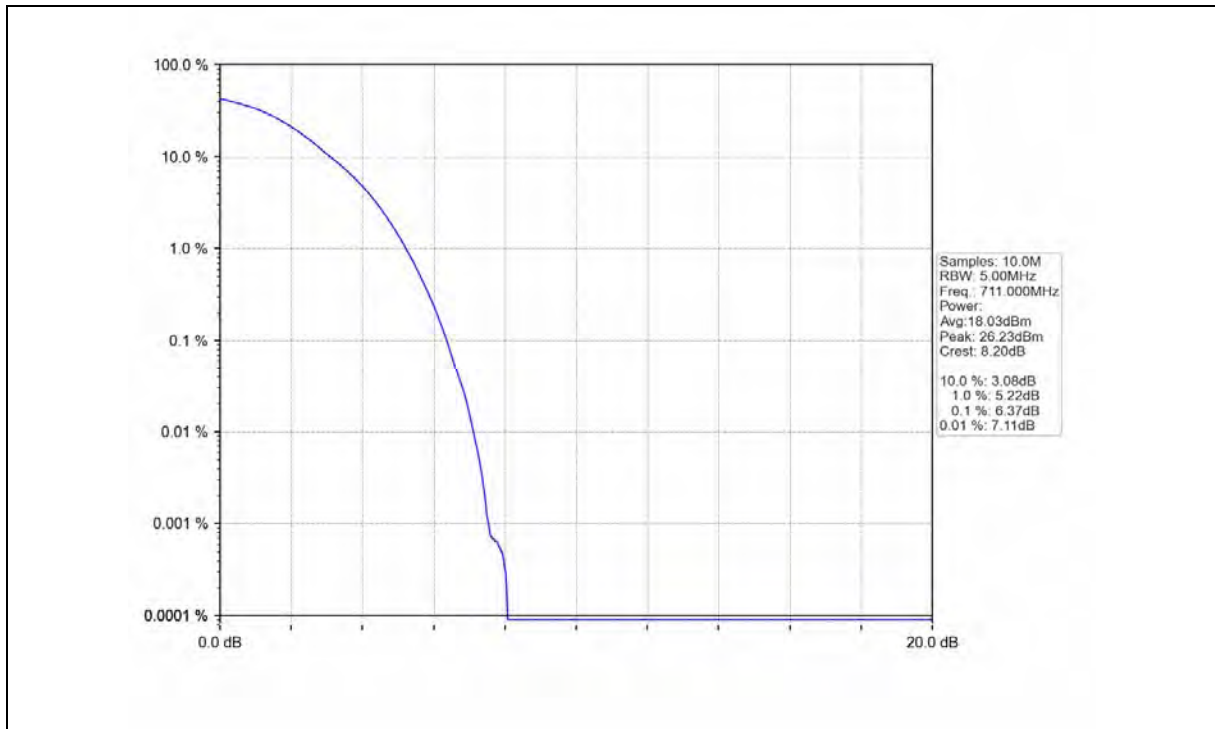


Band12\_10MHz\_64QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV



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VERITAS

Test Report No.: W7L-220503W001RF06





Test Report No.: W7L-220503W001RF06

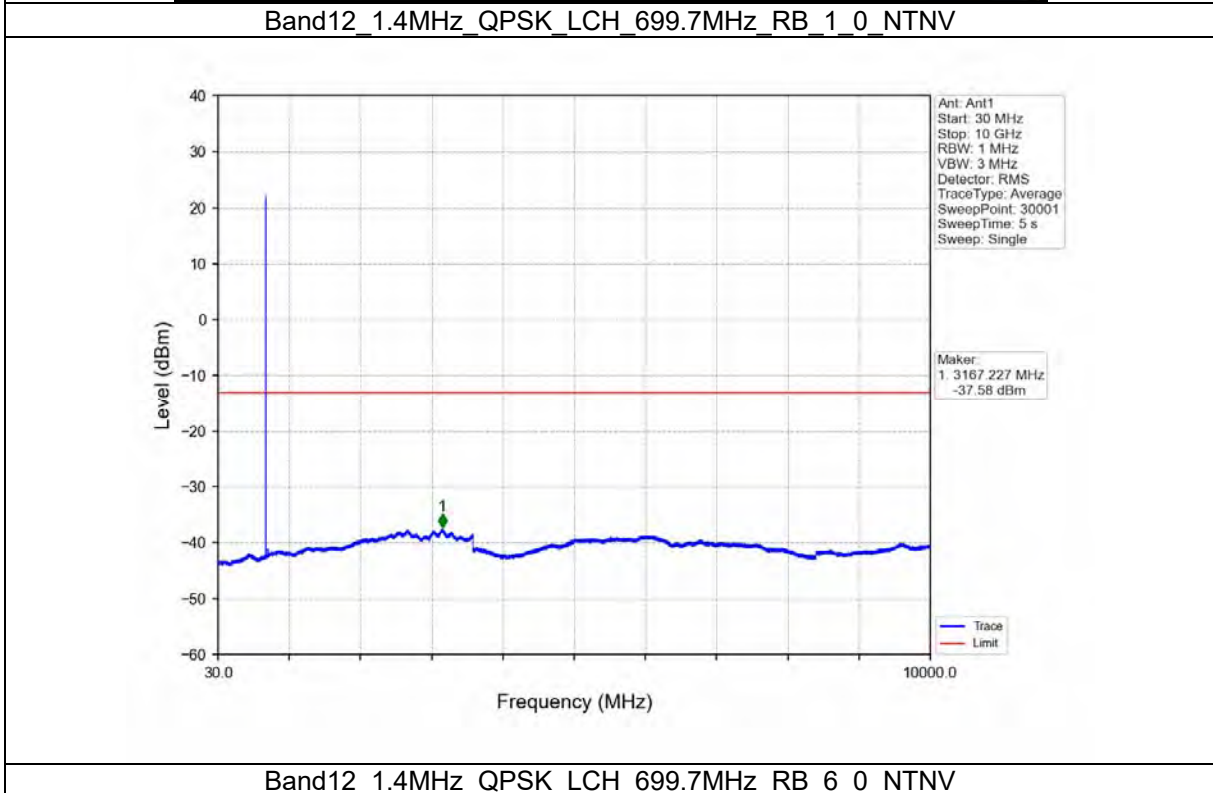
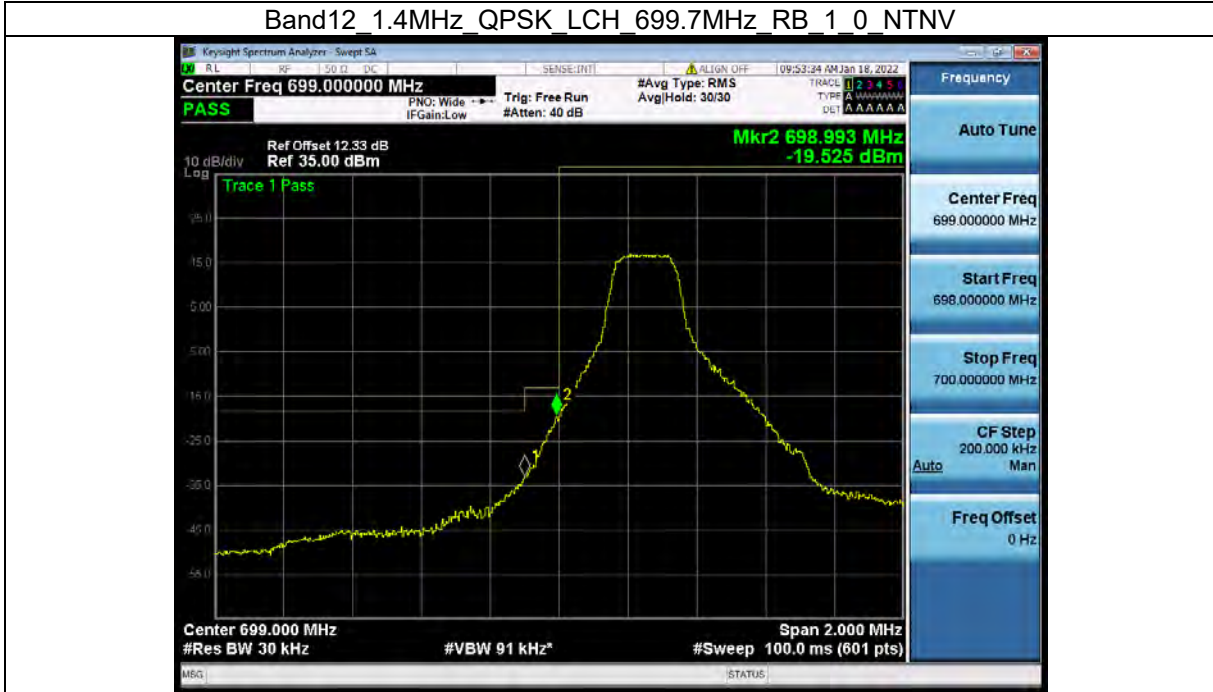
## Spurious Emission

B12\_1.4MHz

### Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
			6	0	Refer To Test Graph	
		6	0	Refer To Test Graph		Pass
16QAM	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
			6	0	Refer To Test Graph	
		6	0	Refer To Test Graph		Pass
64QAM	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
			6	0	Refer To Test Graph	
		6	0	Refer To Test Graph		Pass

Test Graph

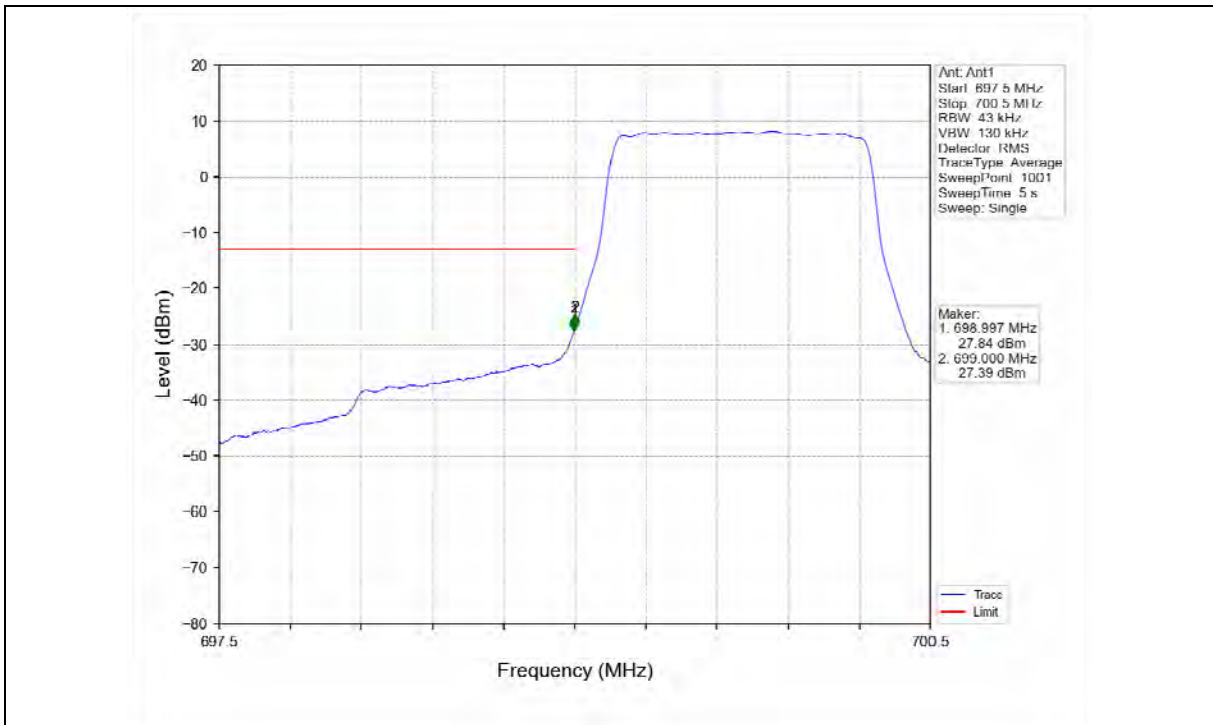


Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTNV

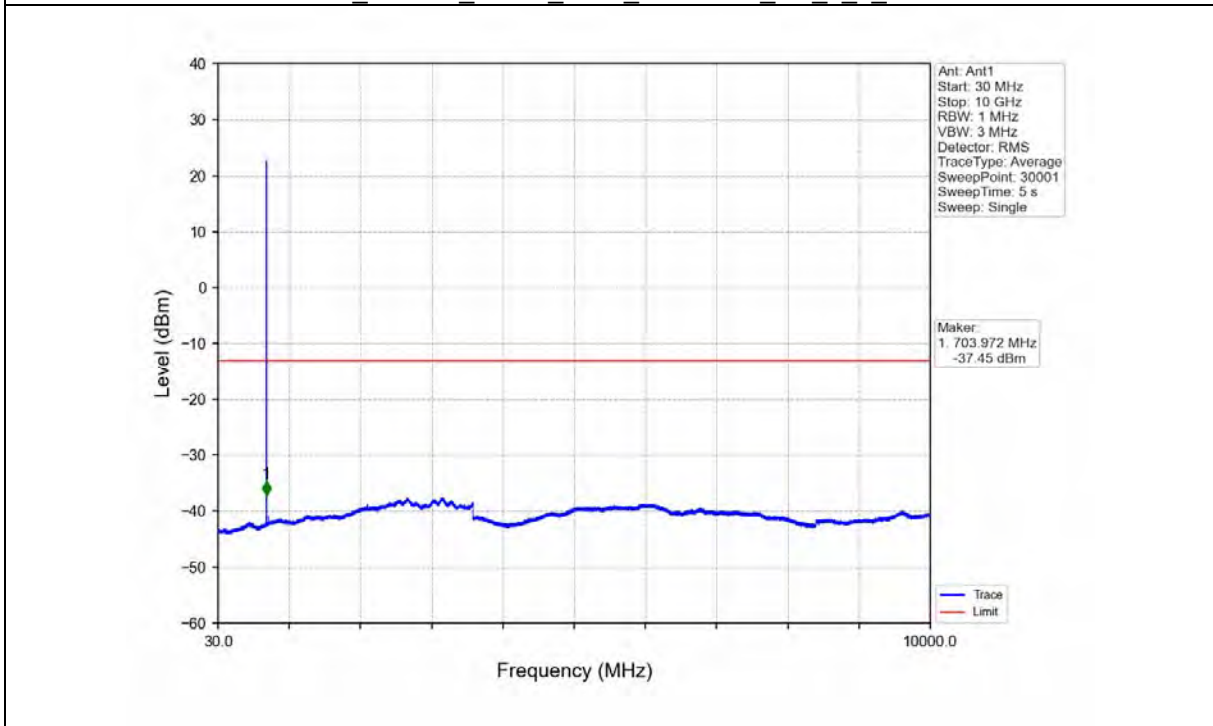


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Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_QPSK\_MCH\_707.5MHz\_RB\_1\_0\_NTNV



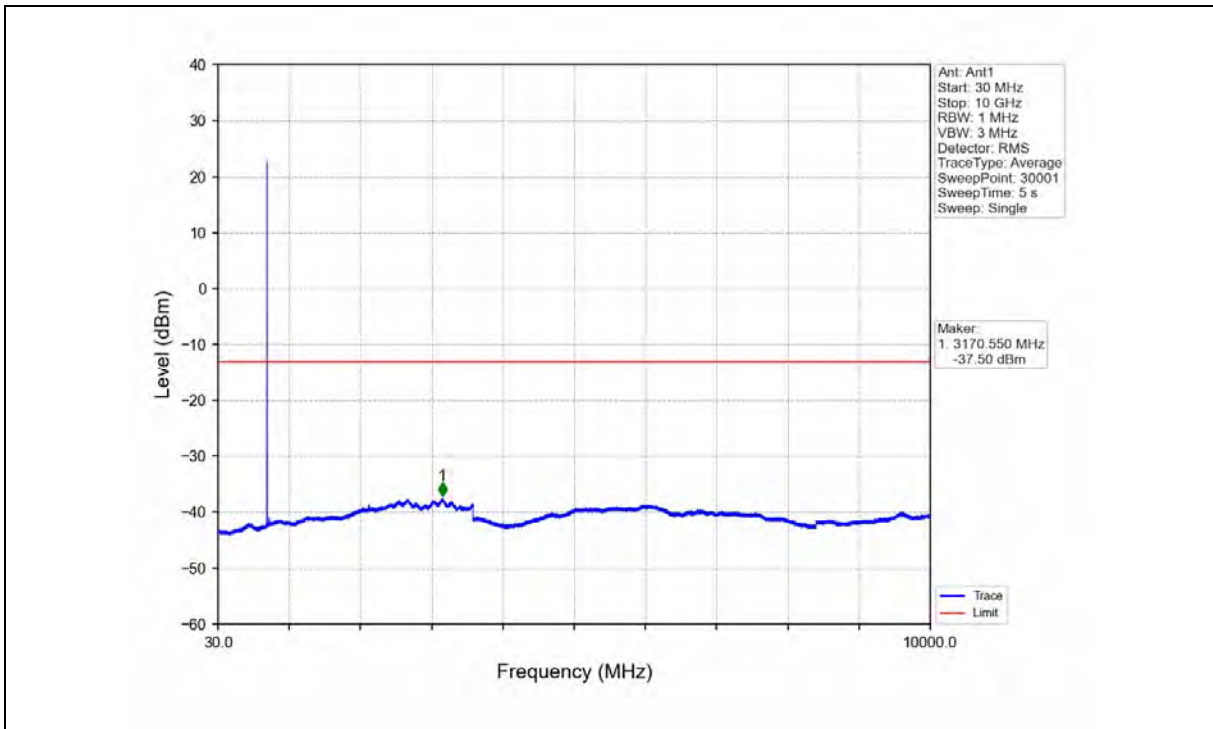
Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_1\_0\_NTNV



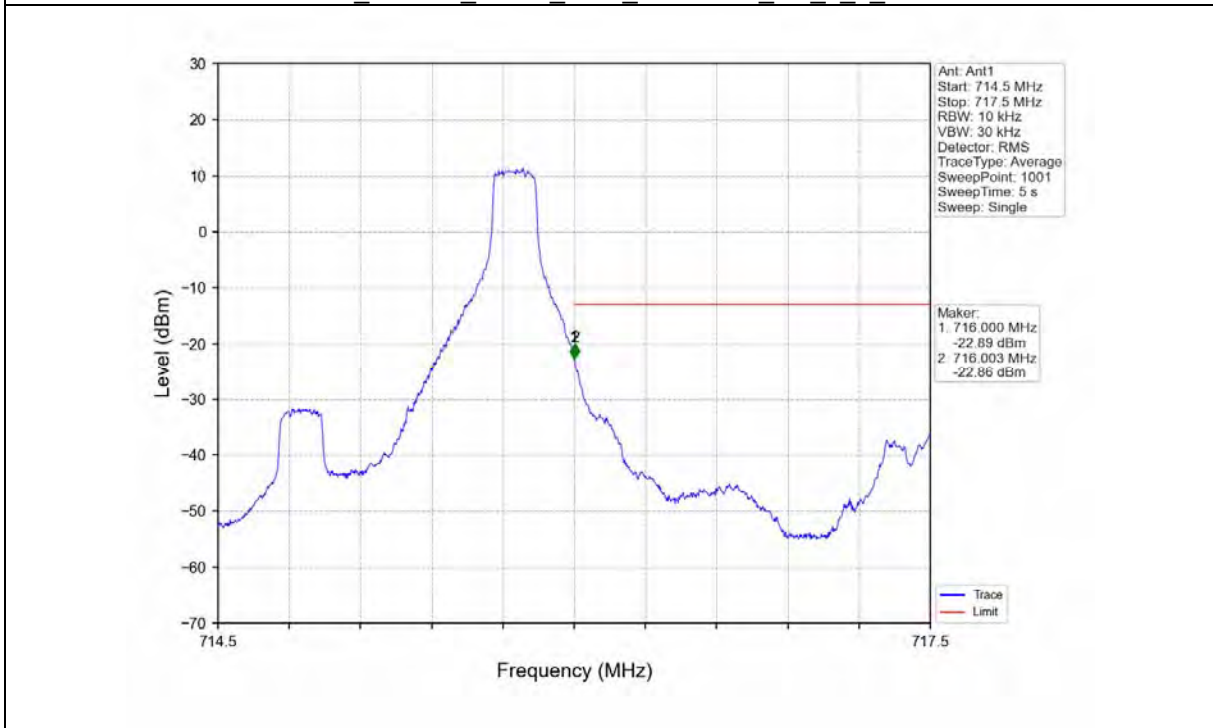


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Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_1\_5\_NTNV

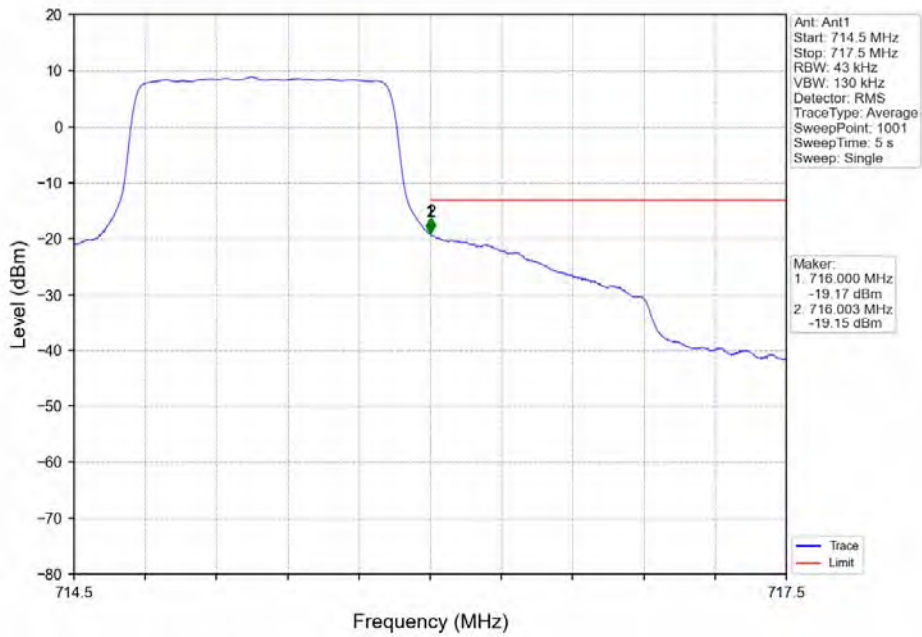


Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_6\_0\_NTNV

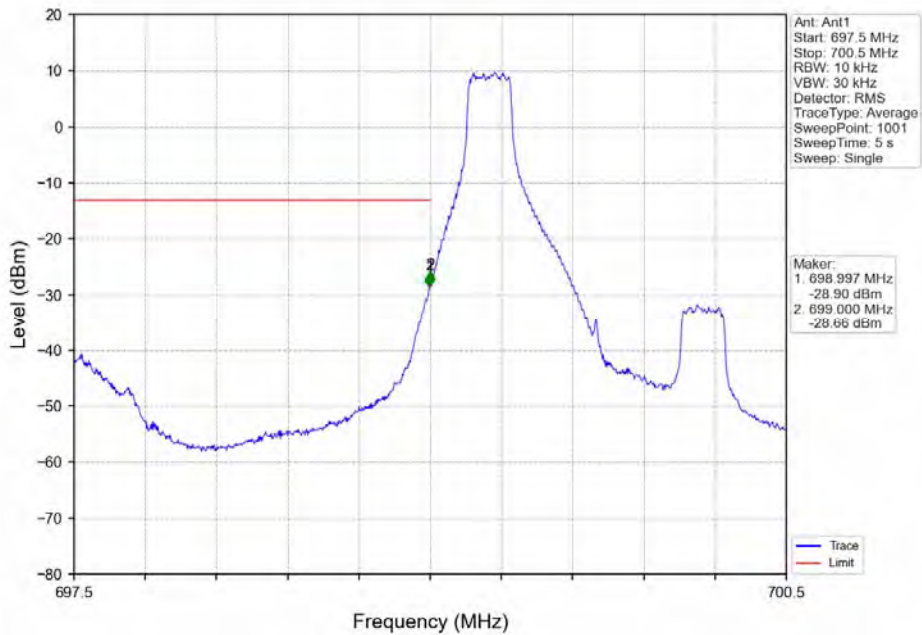


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_1\_0\_NTNV

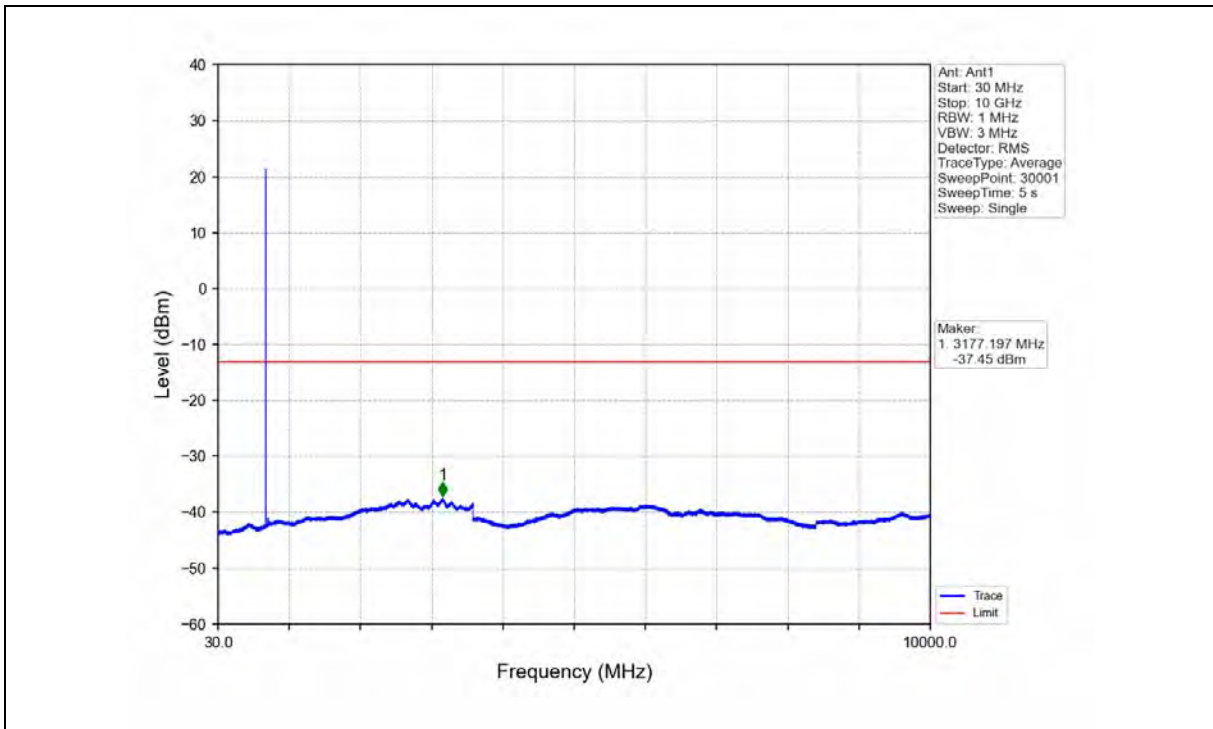


Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_1\_0\_NTNV

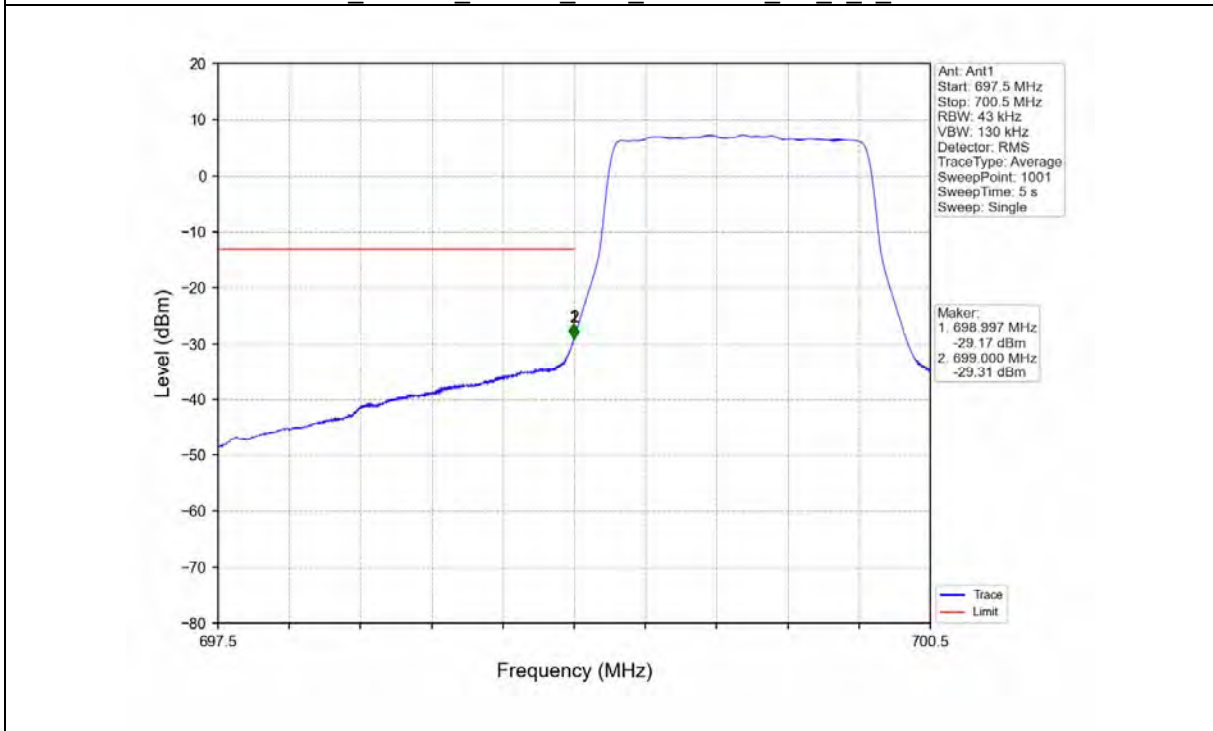


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV

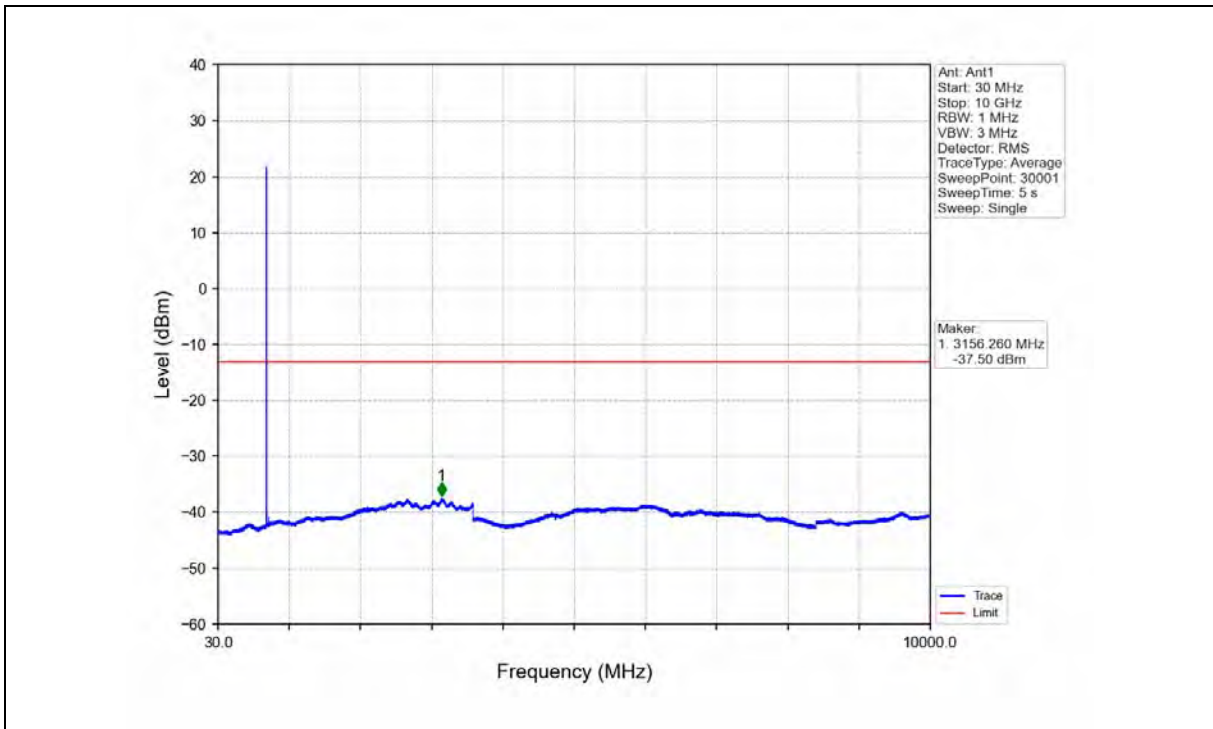


Band12\_1.4MHz\_16QAM\_MCH\_707.5MHz\_RB\_1\_0\_NTNV

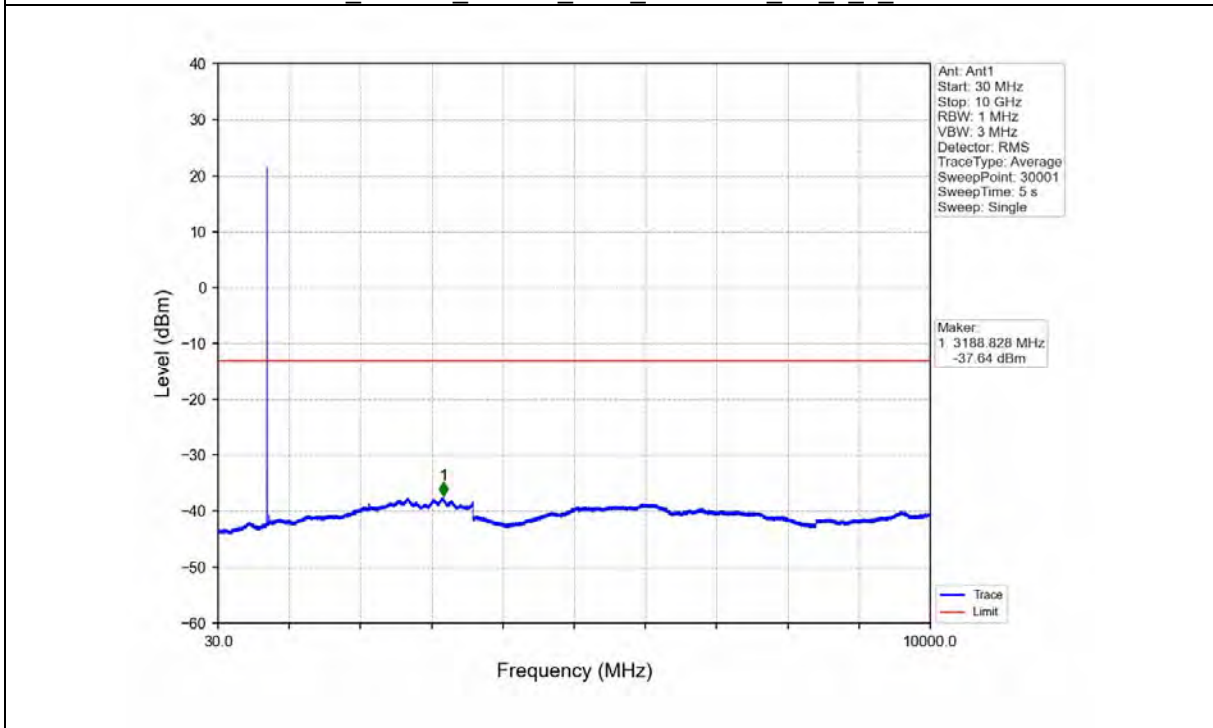


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_16QAM\_HCH\_715.3MHz\_RB\_1\_0\_NTNV

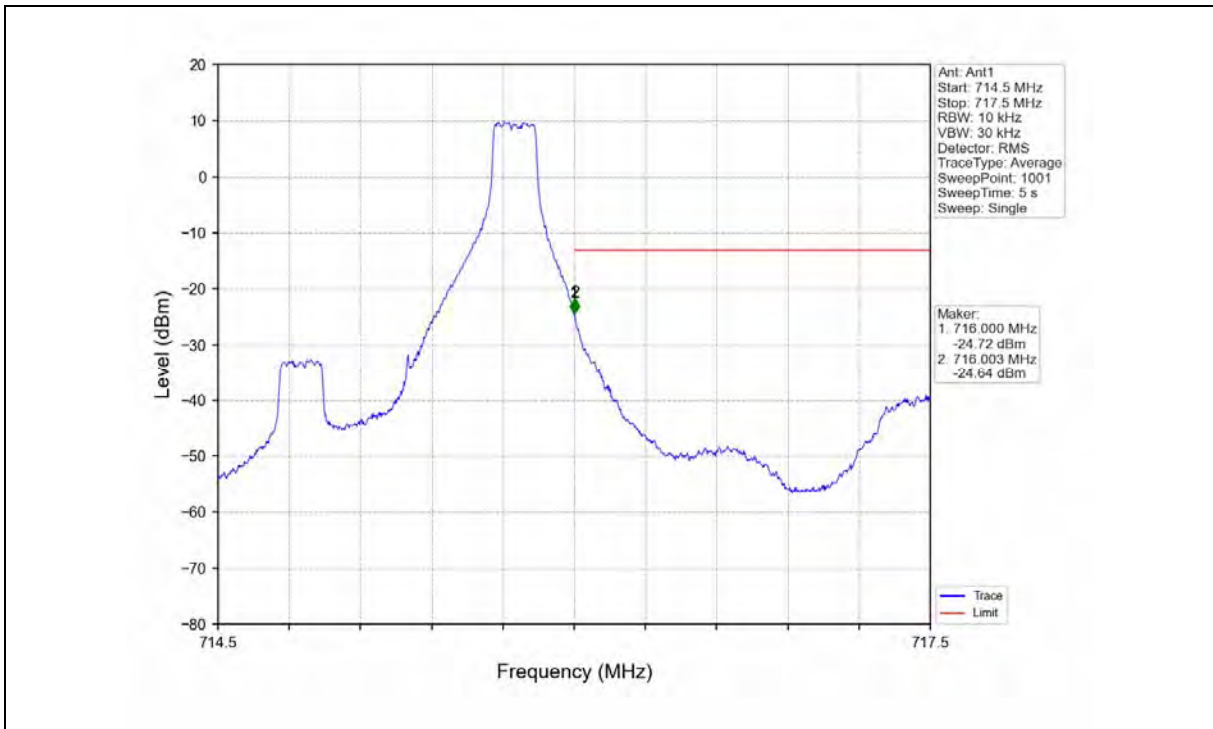


Band12\_1.4MHz\_16QAM\_HCH\_715.3MHz\_RB\_1\_5\_NTNV

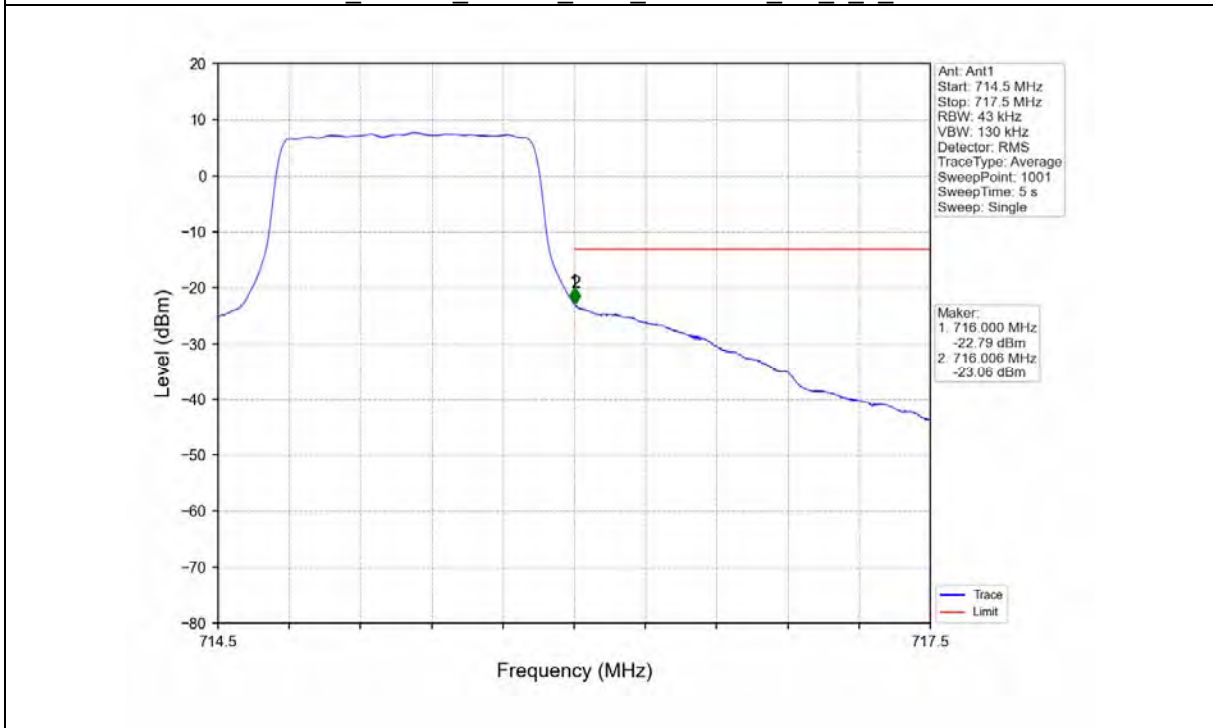


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_16QAM\_HCH\_715.3MHz\_RB\_6\_0\_NTNV

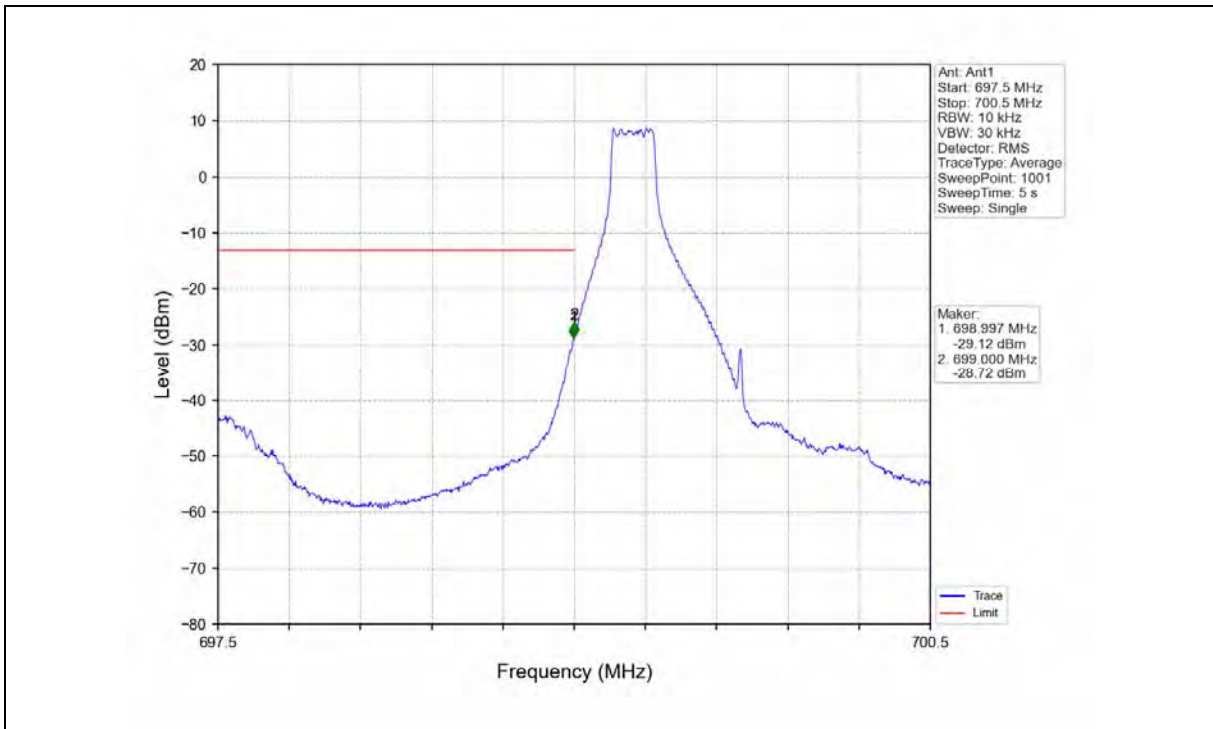


Band12\_1.4MHz\_64QAM\_LCH\_699.7MHz\_RB\_1\_0\_NTNV

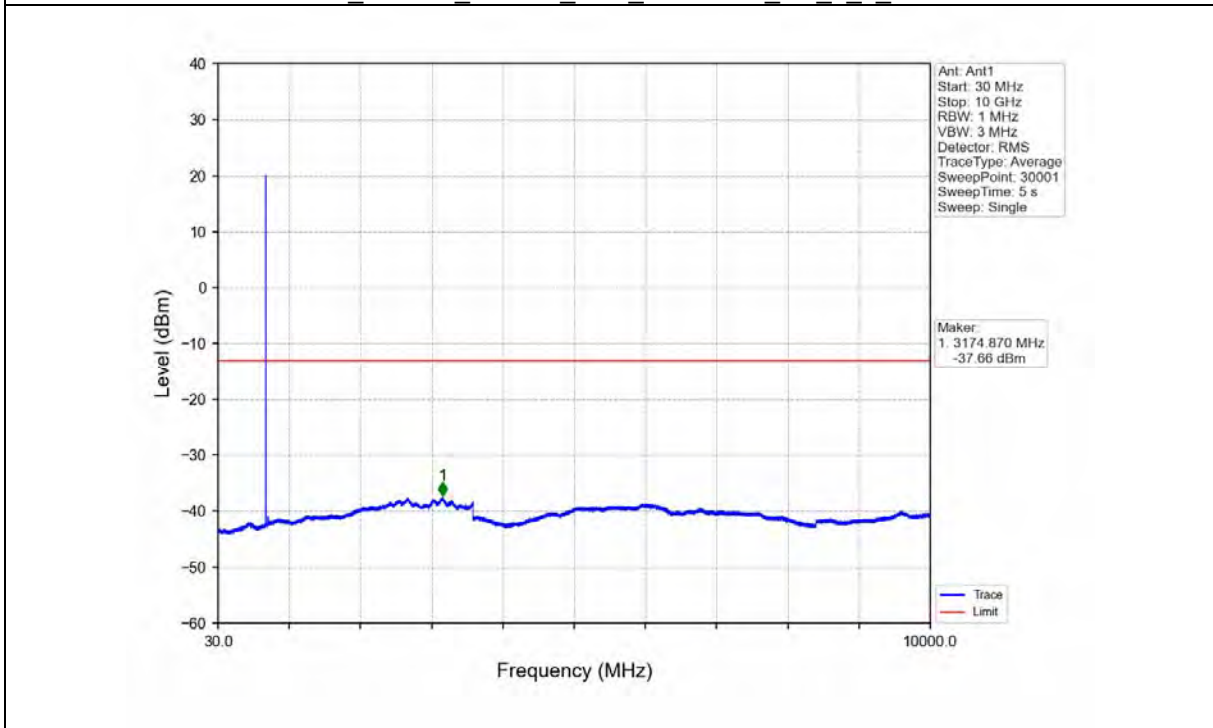


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_64QAM\_LCH\_699.7MHz\_RB\_1\_0\_NTNV

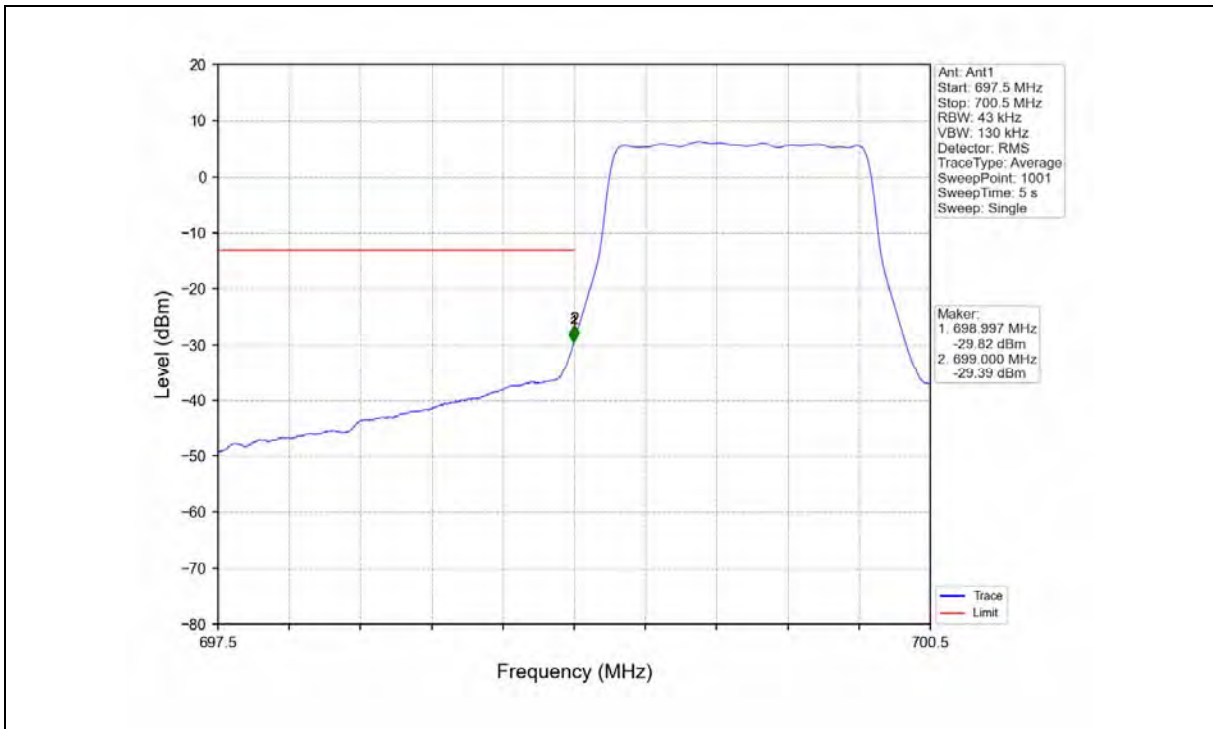


Band12\_1.4MHz\_64QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV

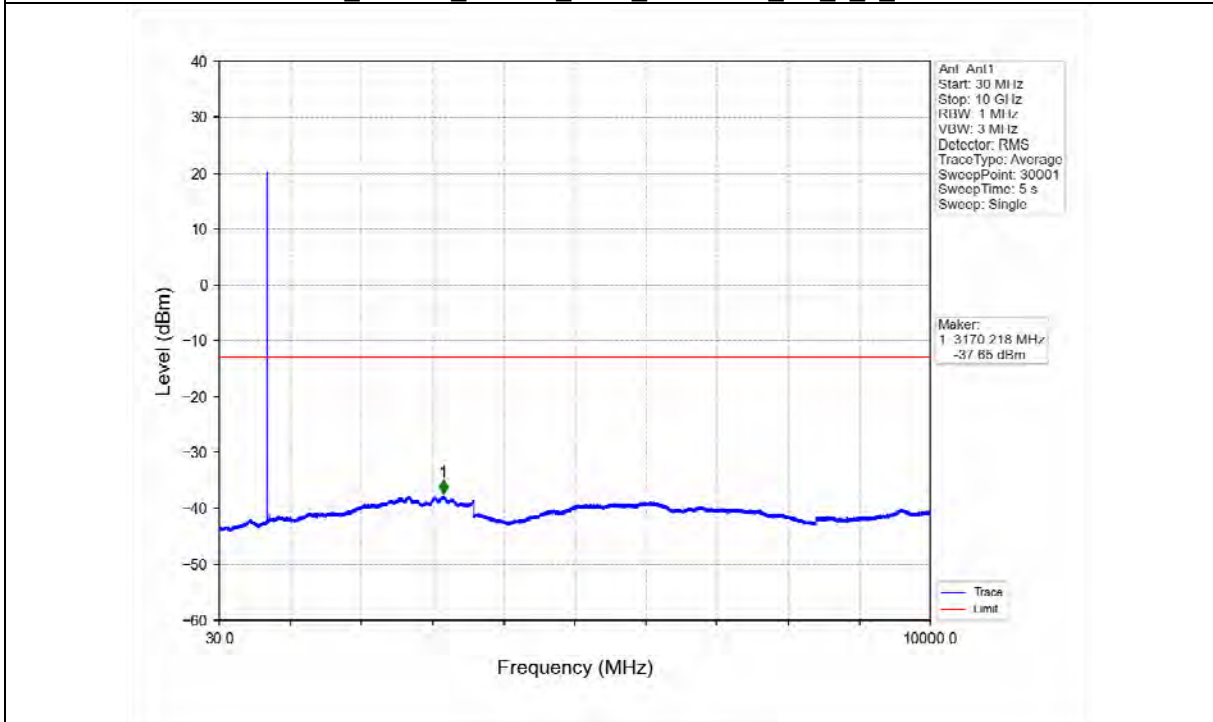


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_64QAM\_MCH\_707.5MHz\_RB\_1\_0\_NTNV

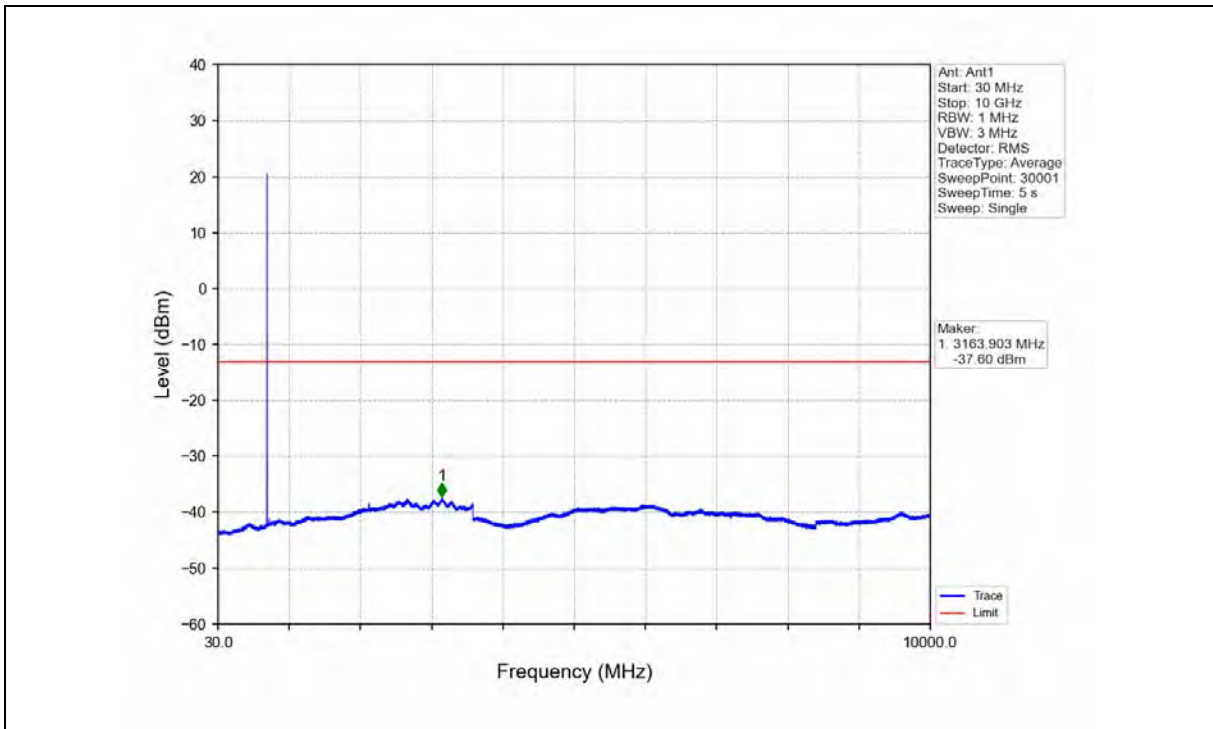


Band12\_1.4MHz\_64QAM\_HCH\_715.3MHz\_RB\_1\_0\_NTNV

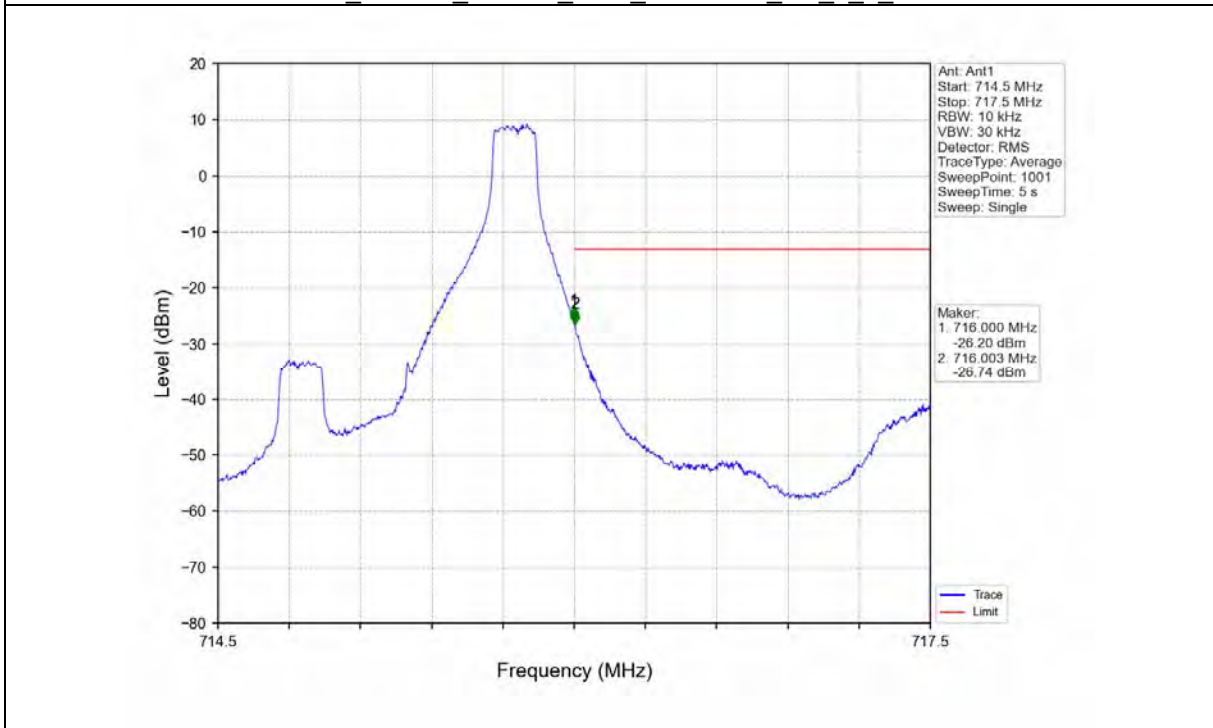


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_1.4MHz\_64QAM\_HCH\_715.3MHz\_RB\_1\_5\_NTNV



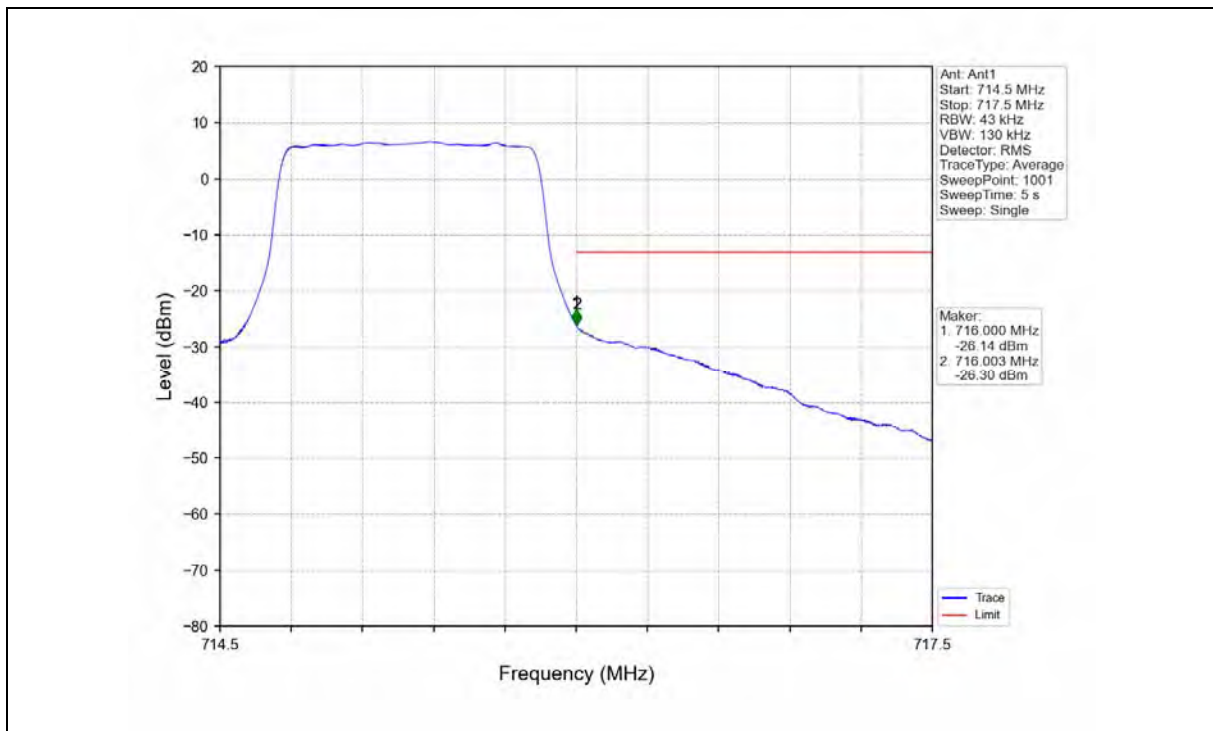
Band12\_1.4MHz\_64QAM\_HCH\_715.3MHz\_RB\_6\_0\_NTNV





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VERITAS

Test Report No.: W7L-220503W001RF06





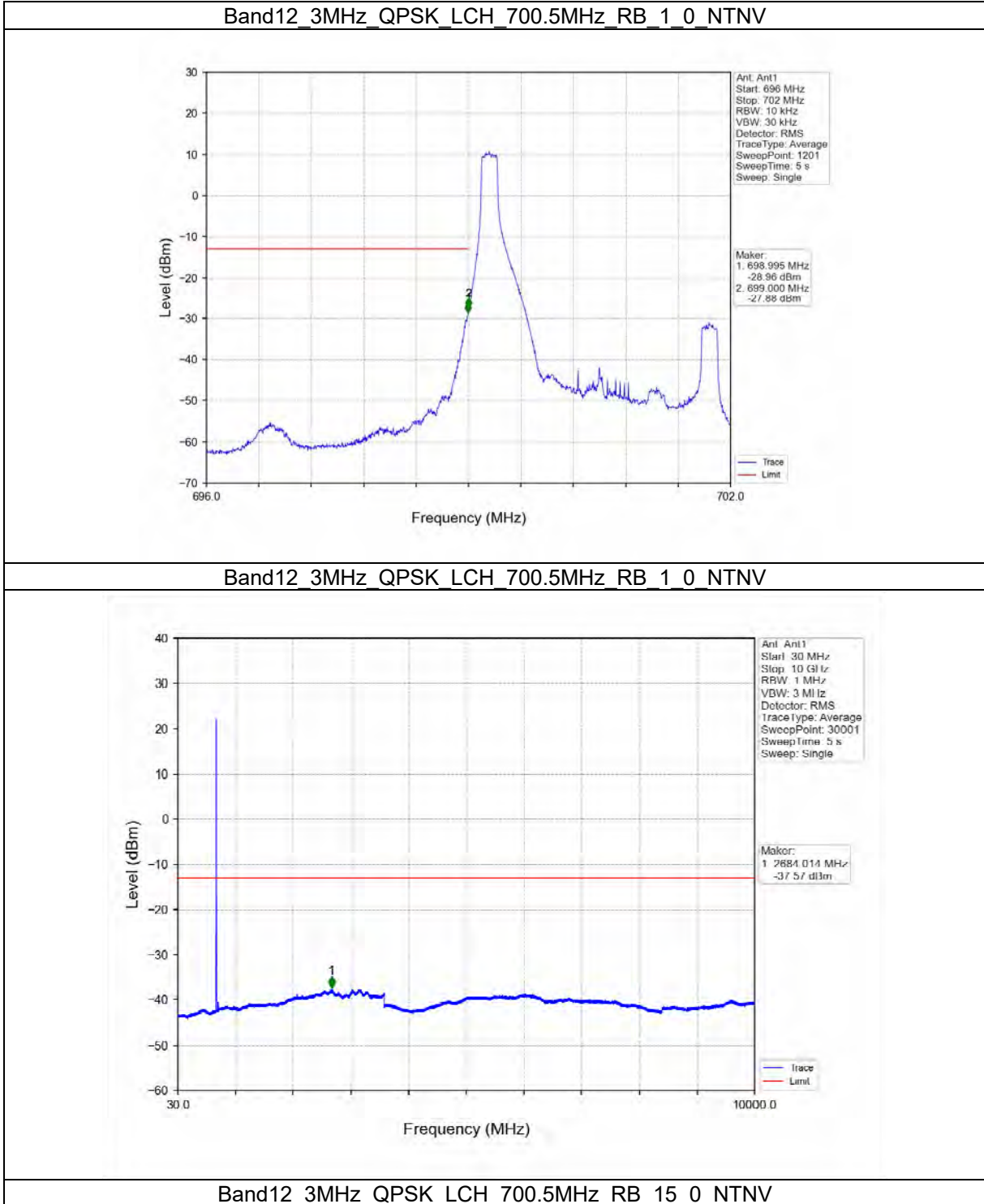
Test Report No.: W7L-220503W001RF06

B12\_3MHz

Test Result

Band: 12 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
64QAM	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

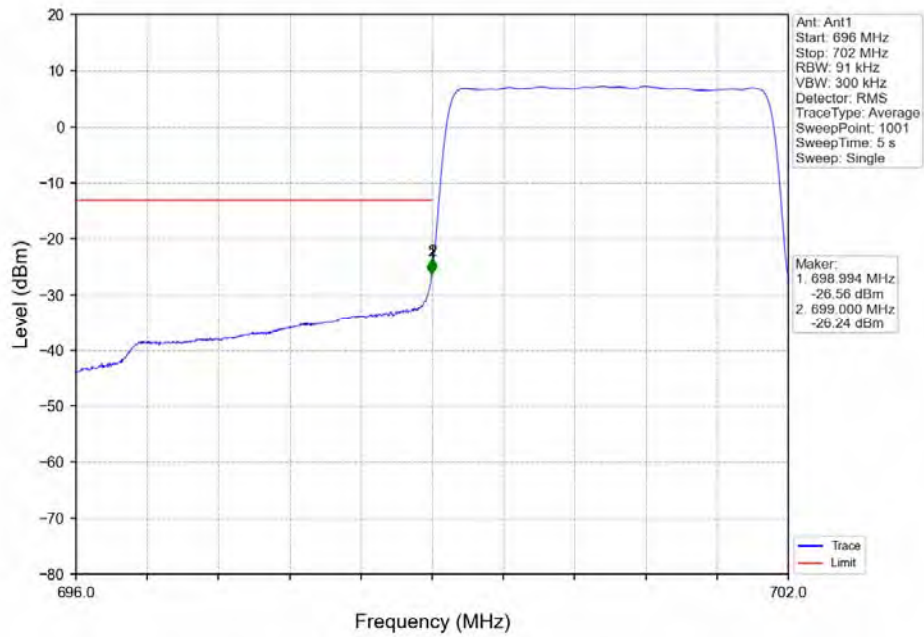
Test Graph



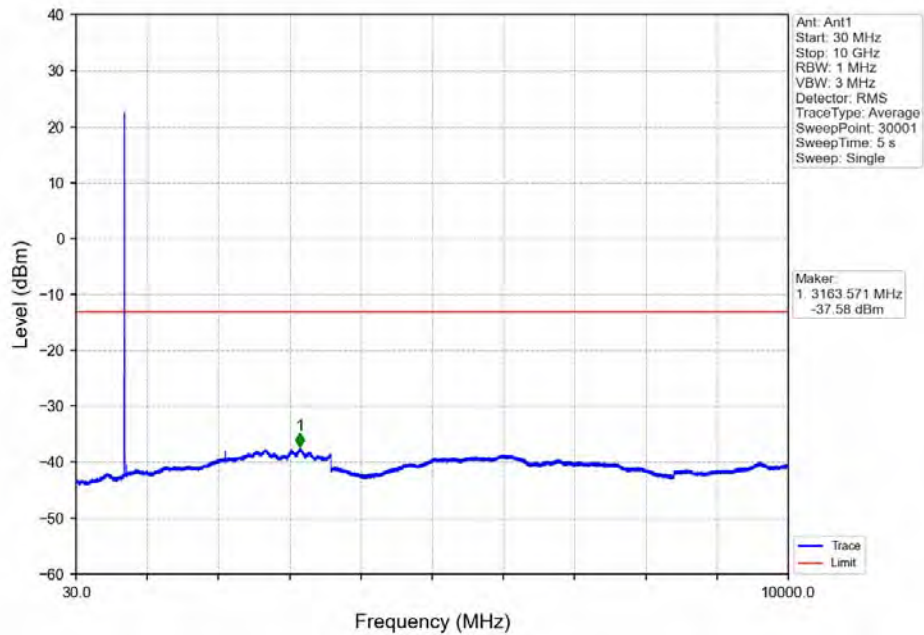


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_QPSK\_MCH\_707.5MHz\_RB\_1\_0\_NTNV

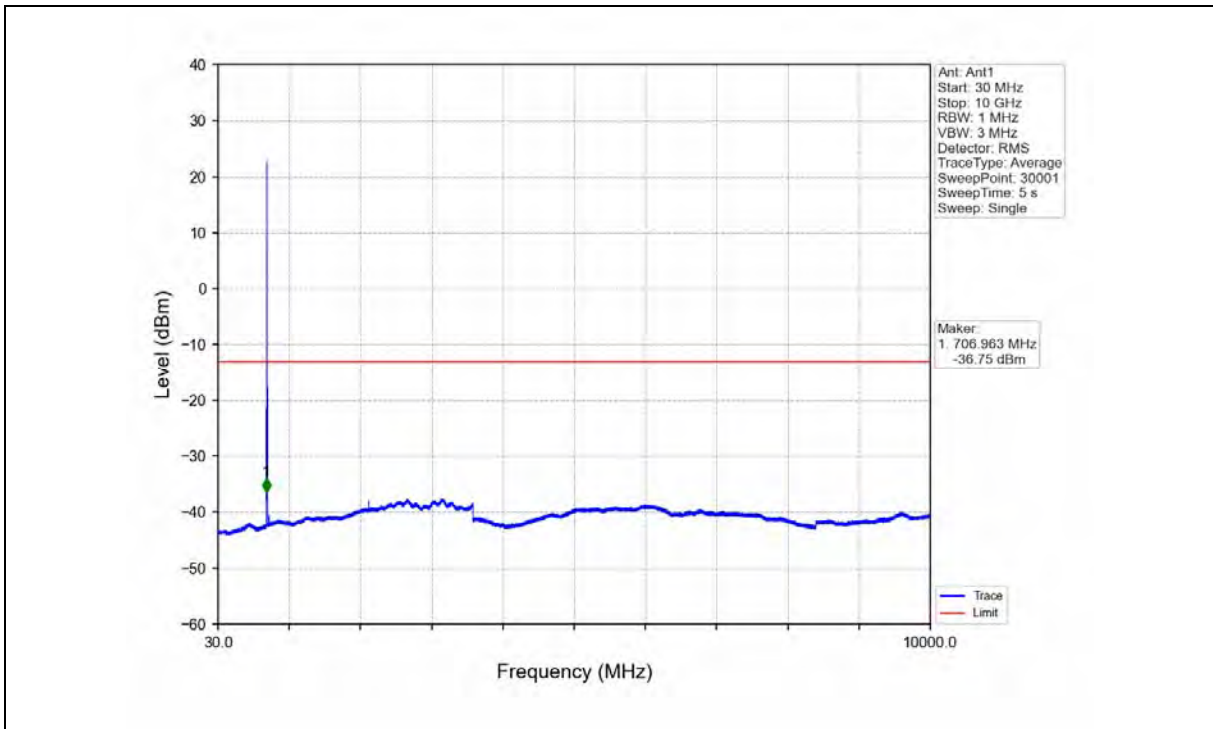


Band12\_3MHz\_QPSK\_HCH\_714.5MHz\_RB\_1\_0\_NTNV

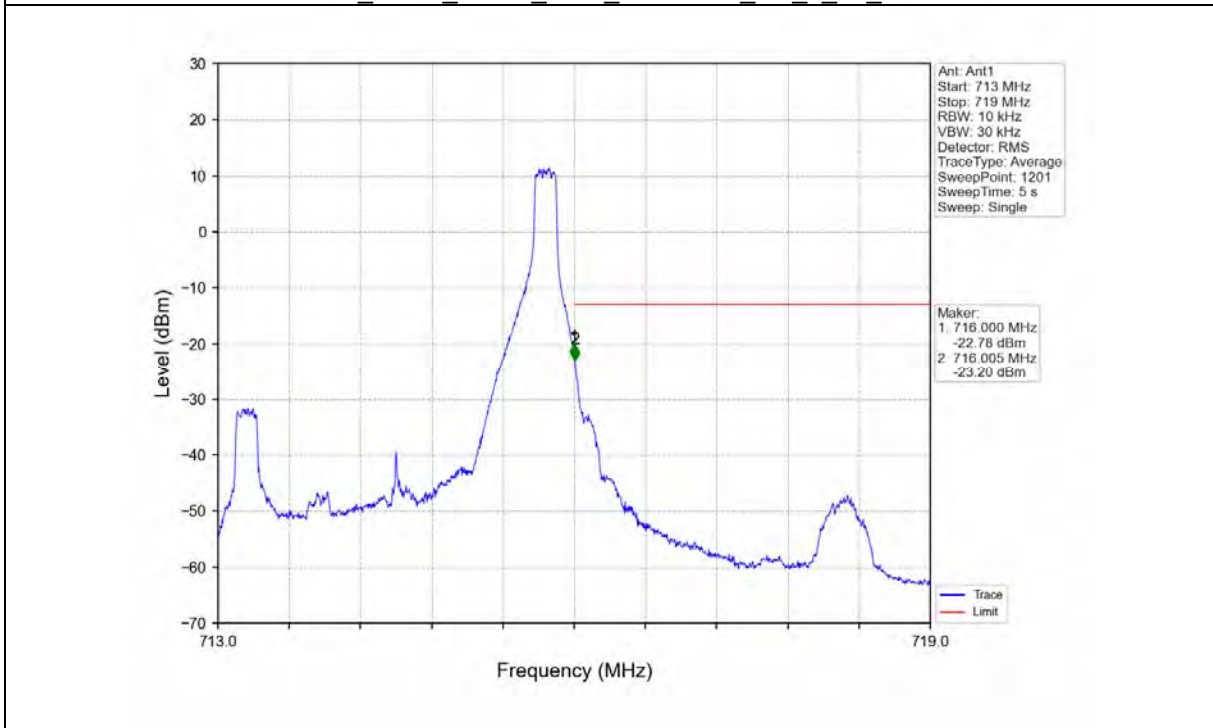


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_QPSK\_HCH\_714.5MHz\_RB\_1\_14\_NTNV

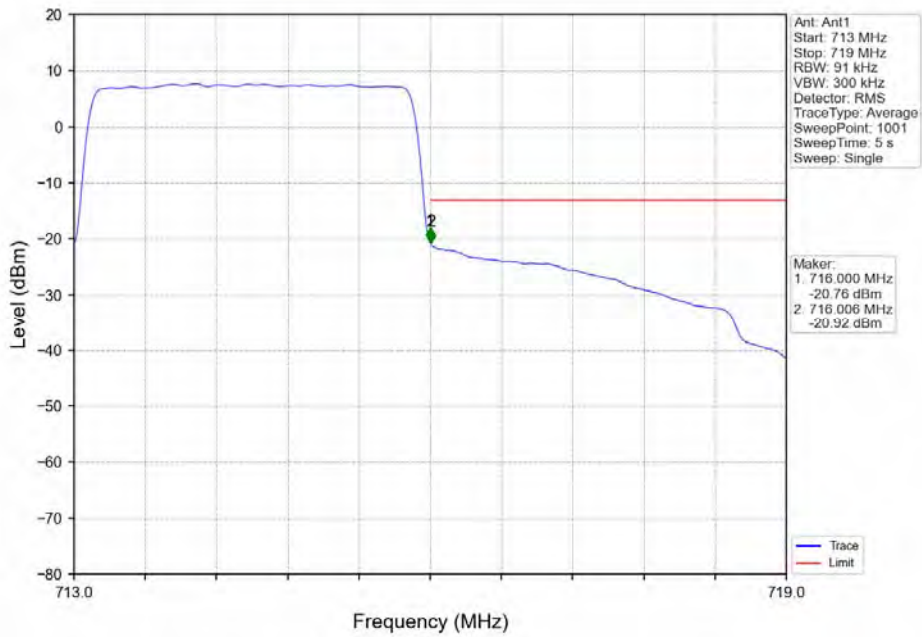


Band12\_3MHz\_QPSK\_HCH\_714.5MHz\_RB\_15\_0\_NTNV

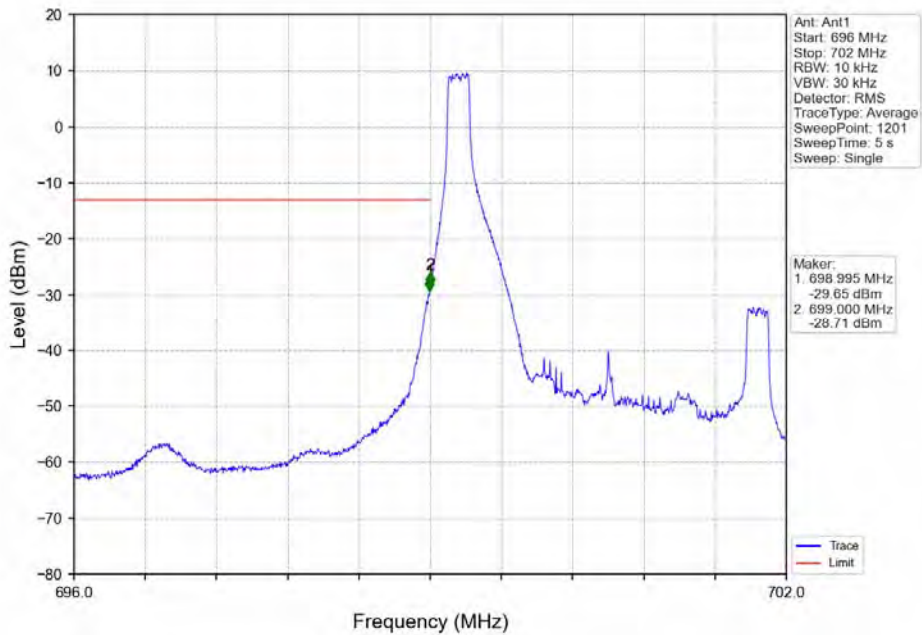


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Band12\_3MHz\_16QAM\_LCH\_700.5MHz\_RB\_1\_0\_NTNV

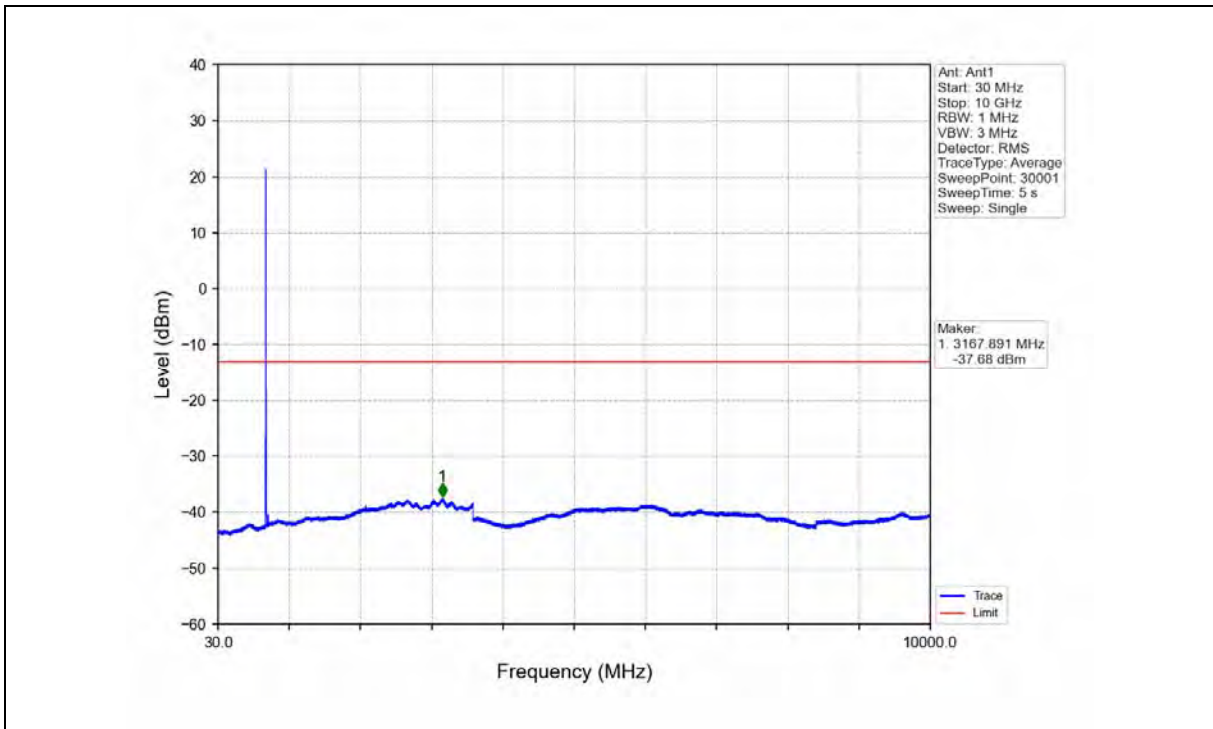


Band12\_3MHz\_16QAM\_LCH\_700.5MHz\_RB\_1\_0\_NTNV

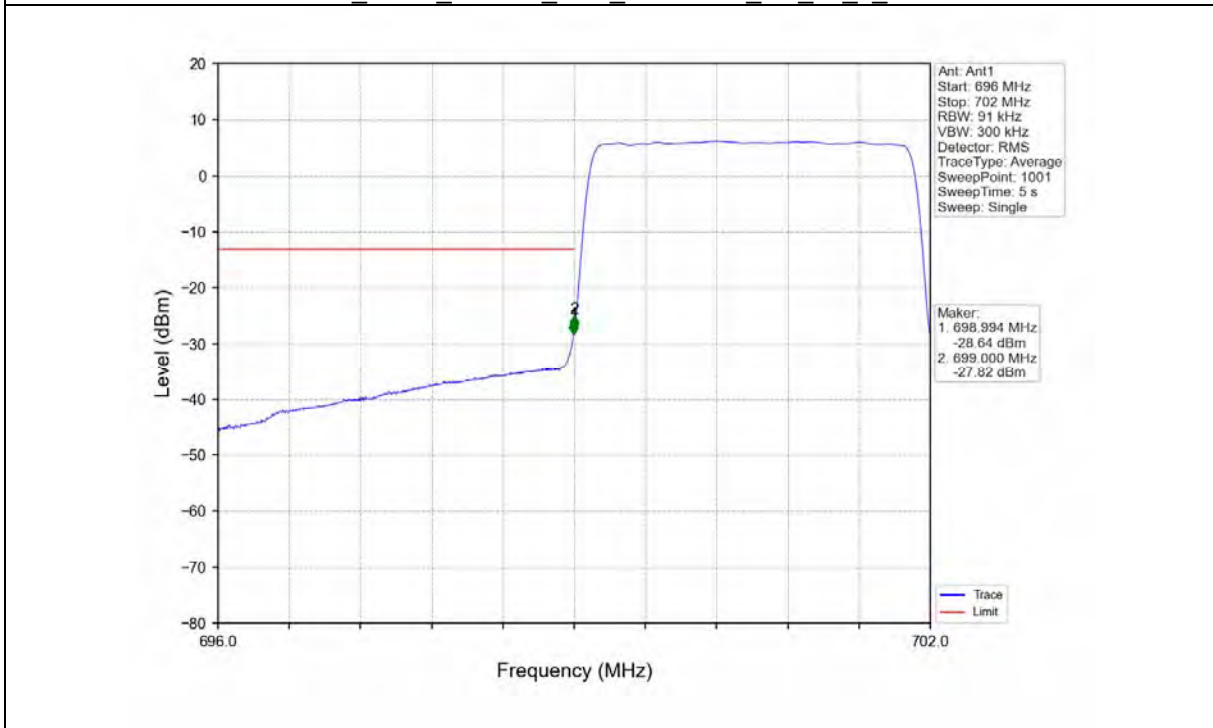


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Band12\_3MHz\_16QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV

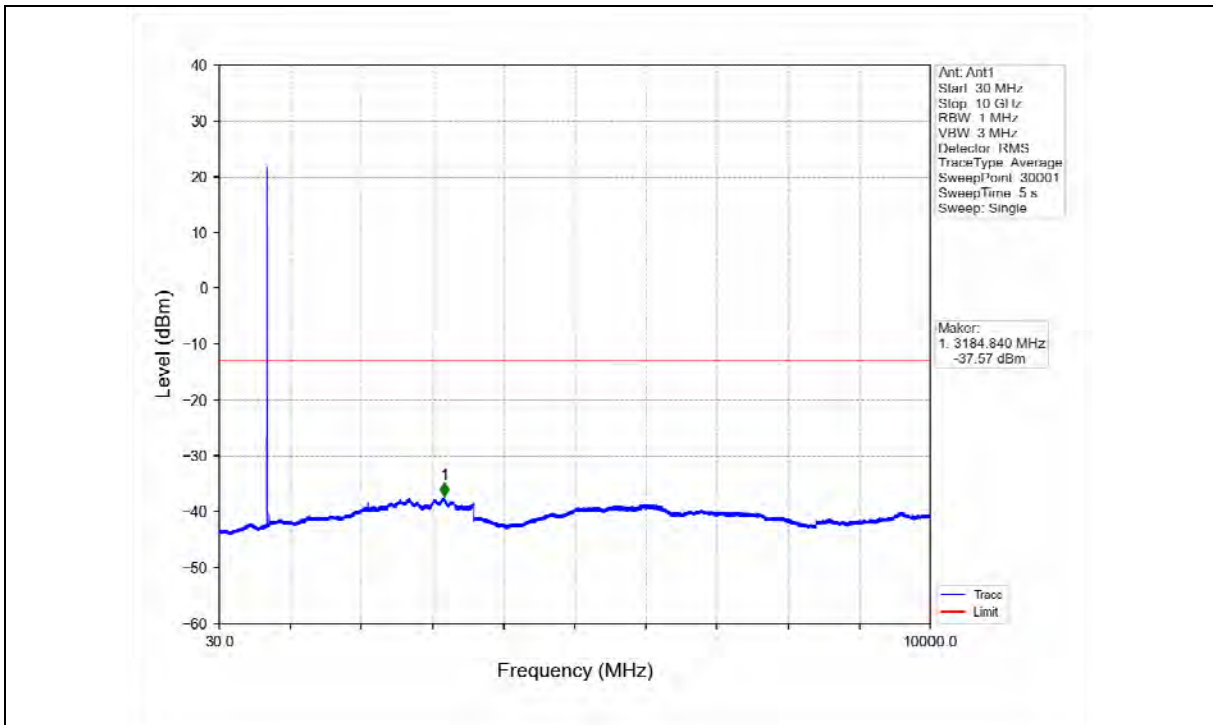


Band12\_3MHz\_16QAM\_MCH\_707.5MHz\_RB\_1\_0\_NTNV

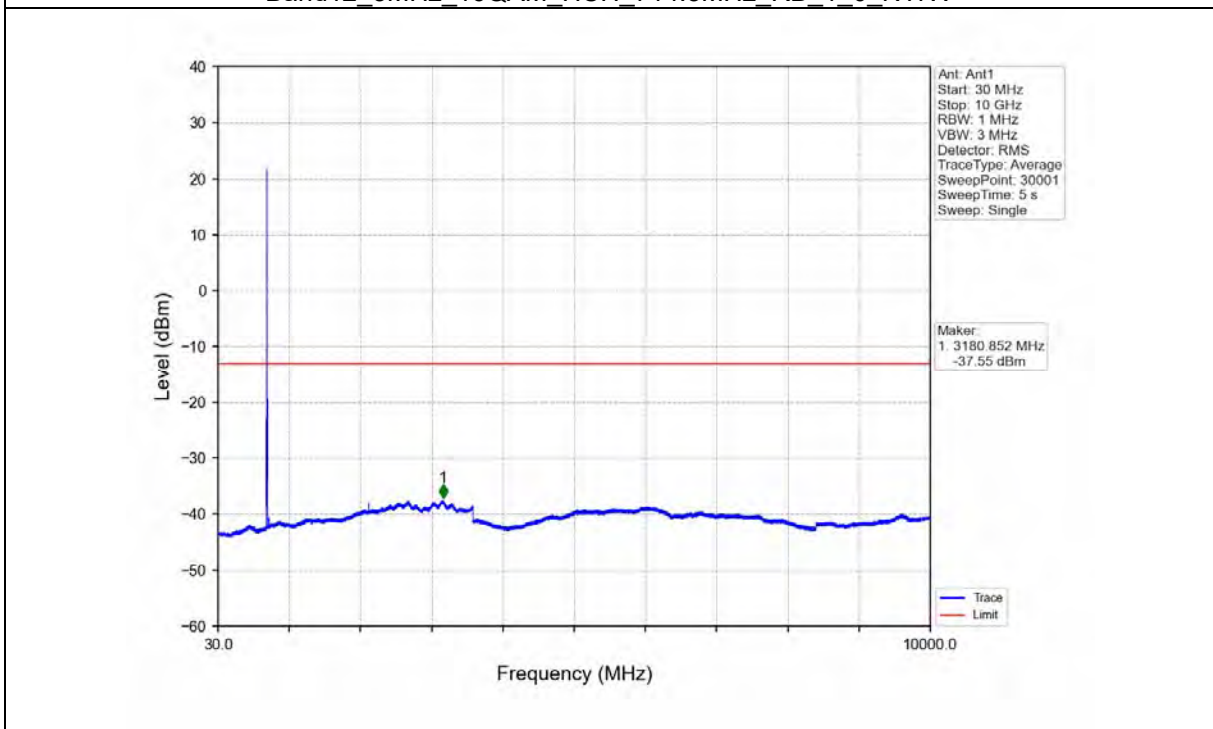


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Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_16QAM\_HCH\_714.5MHz\_RB\_1\_0\_NTNV



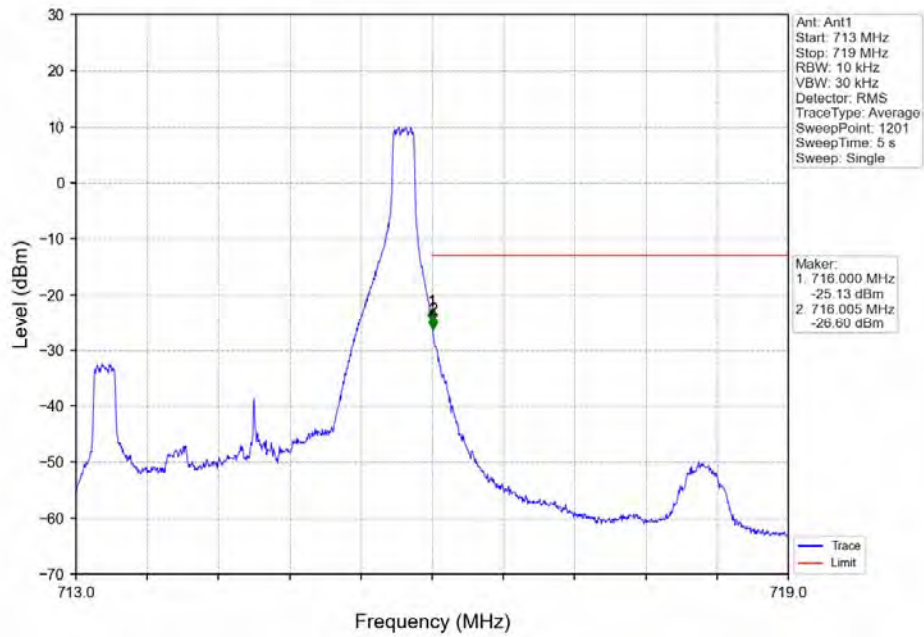
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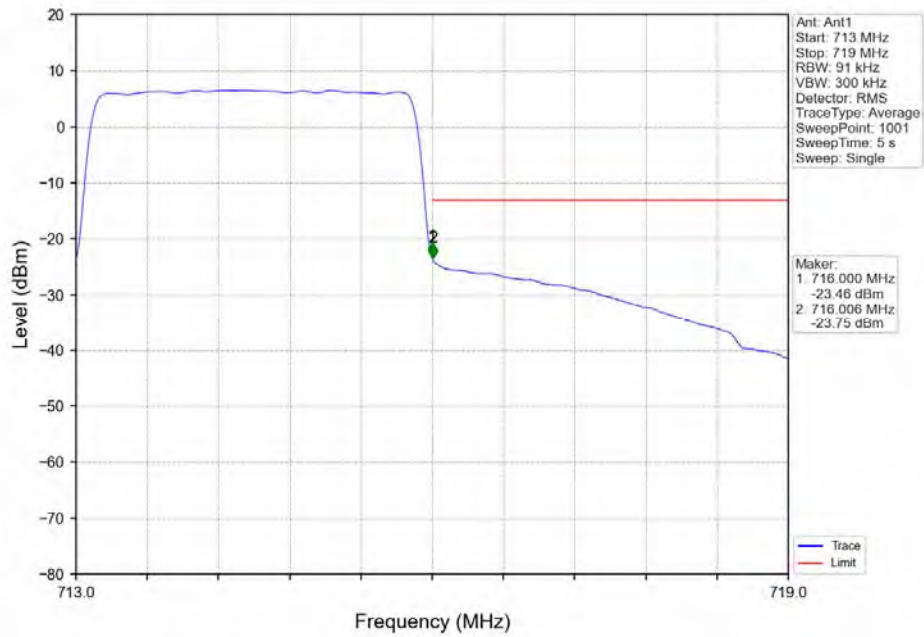


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Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_16QAM\_HCH\_714.5MHz\_RB\_15\_0\_NTNV

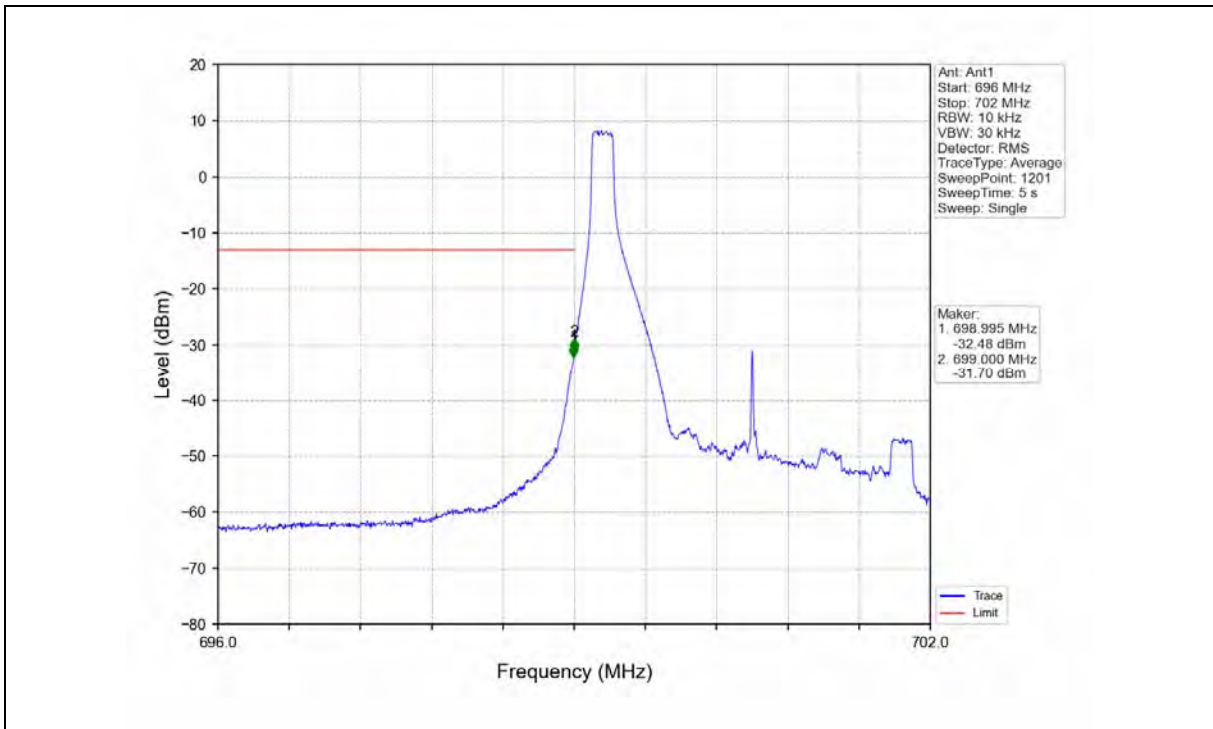


Band12\_3MHz\_64QAM\_LCH\_700.5MHz\_RB\_1\_0\_NTNV

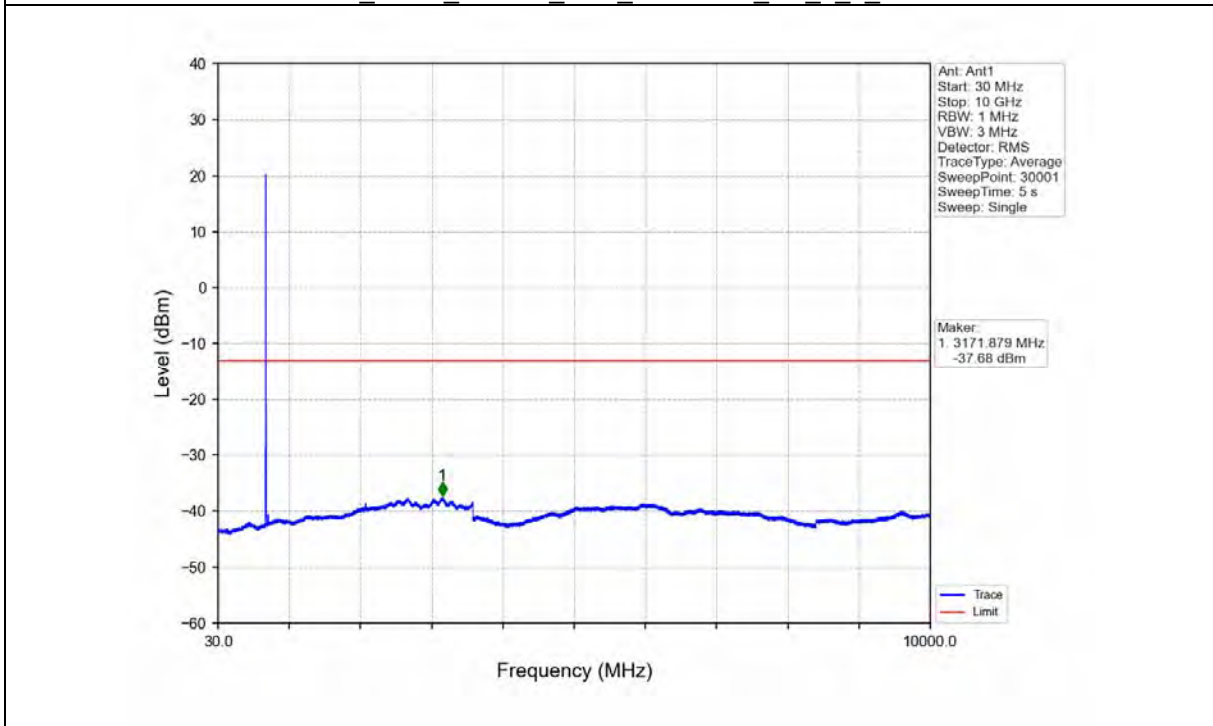


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Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_64QAM\_LCH\_700.5MHz\_RB\_1\_0\_NTNV

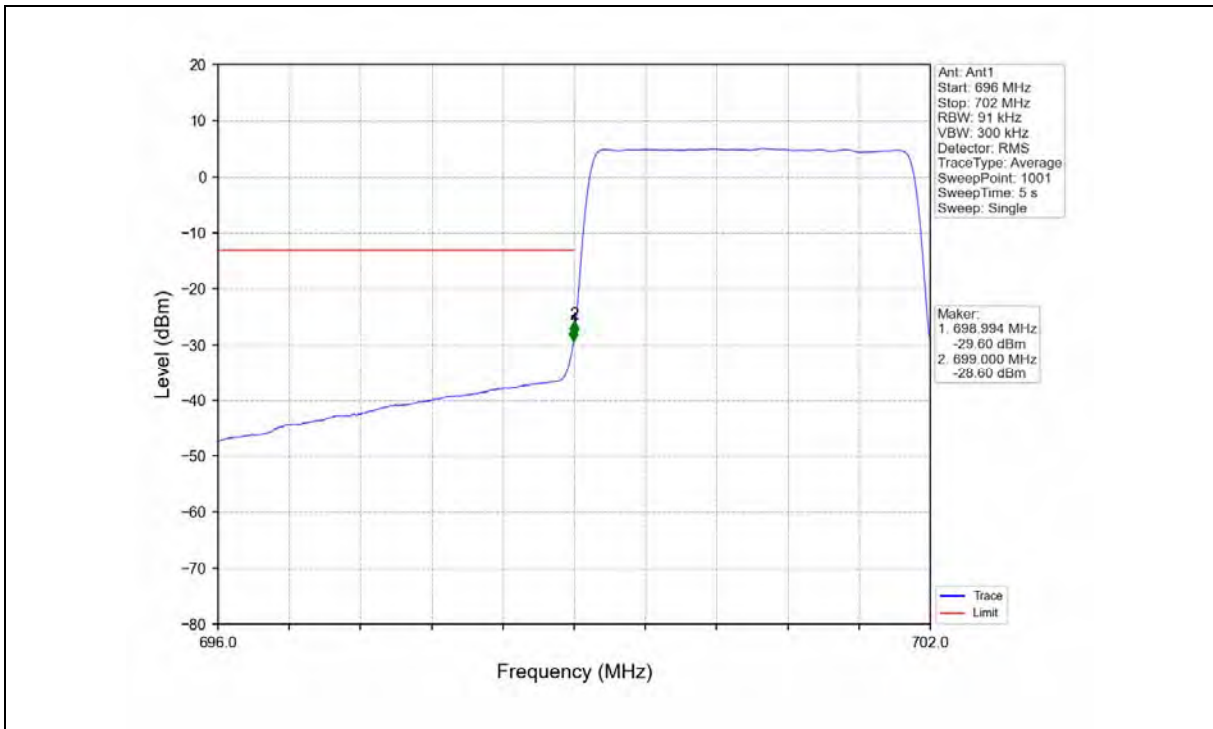


Band12\_3MHz\_64QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV

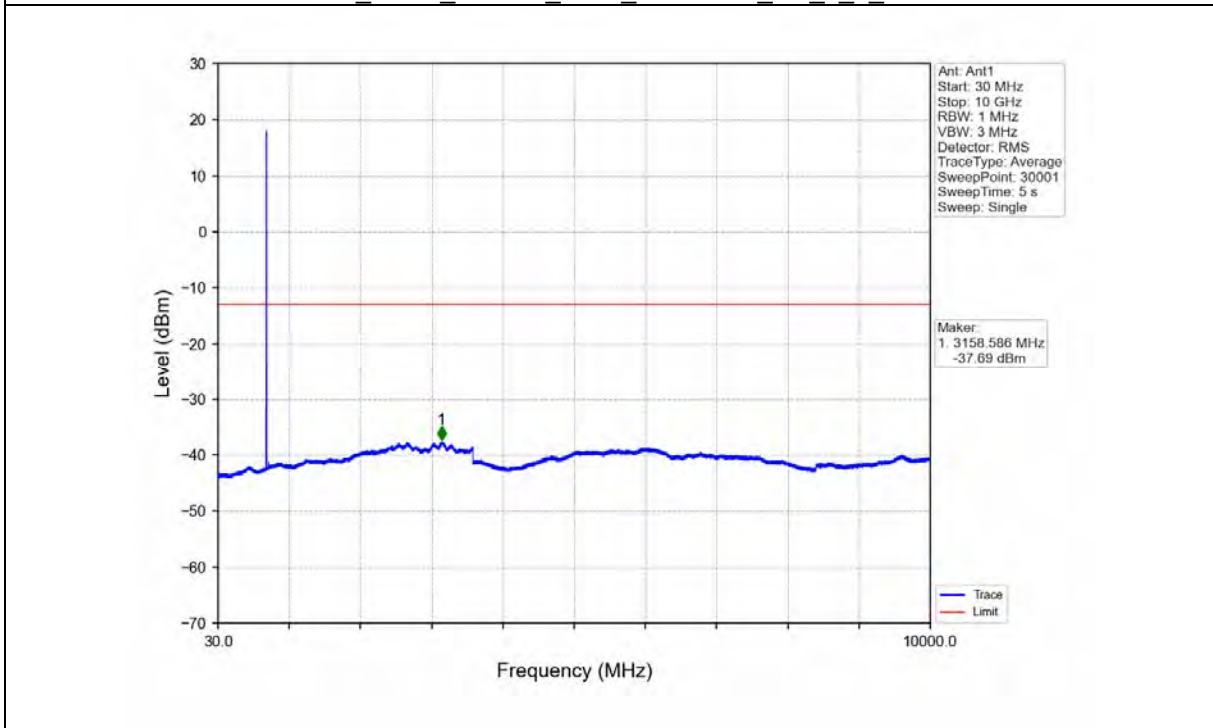


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Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_64QAM\_MCH\_707.5MHz\_RB\_1\_0\_NTNV

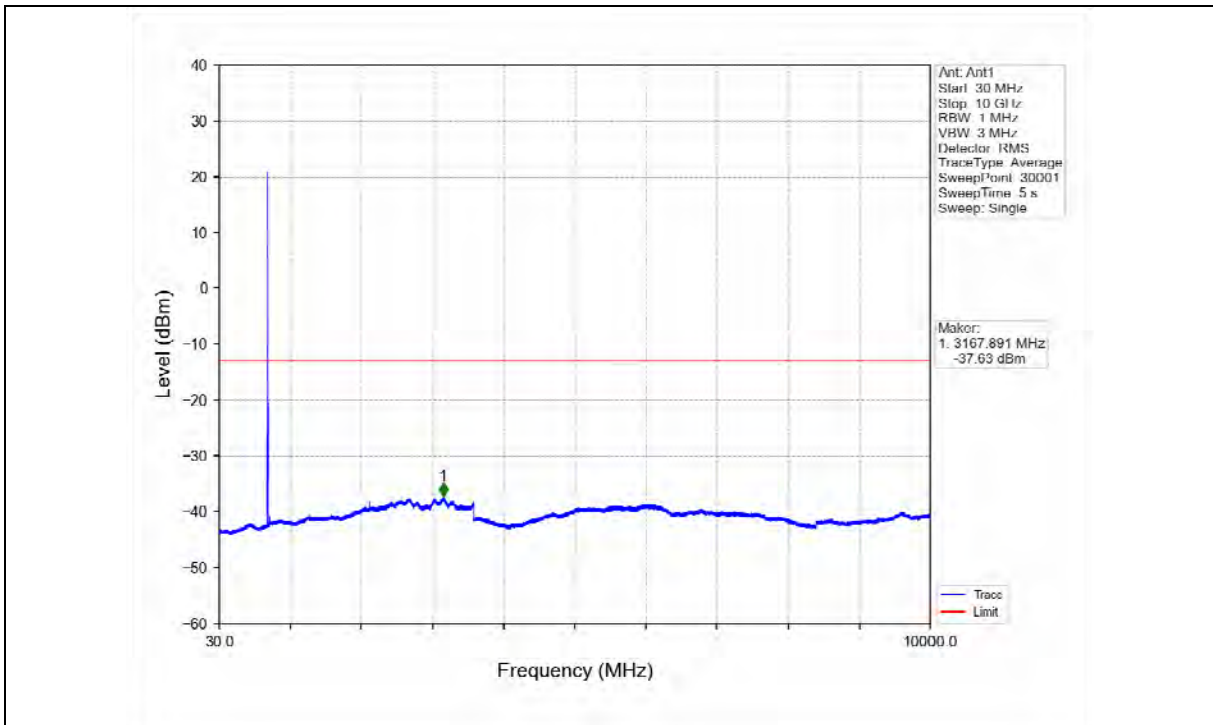


Band12\_3MHz\_64QAM\_HCH\_714.5MHz\_RB\_1\_0\_NTNV

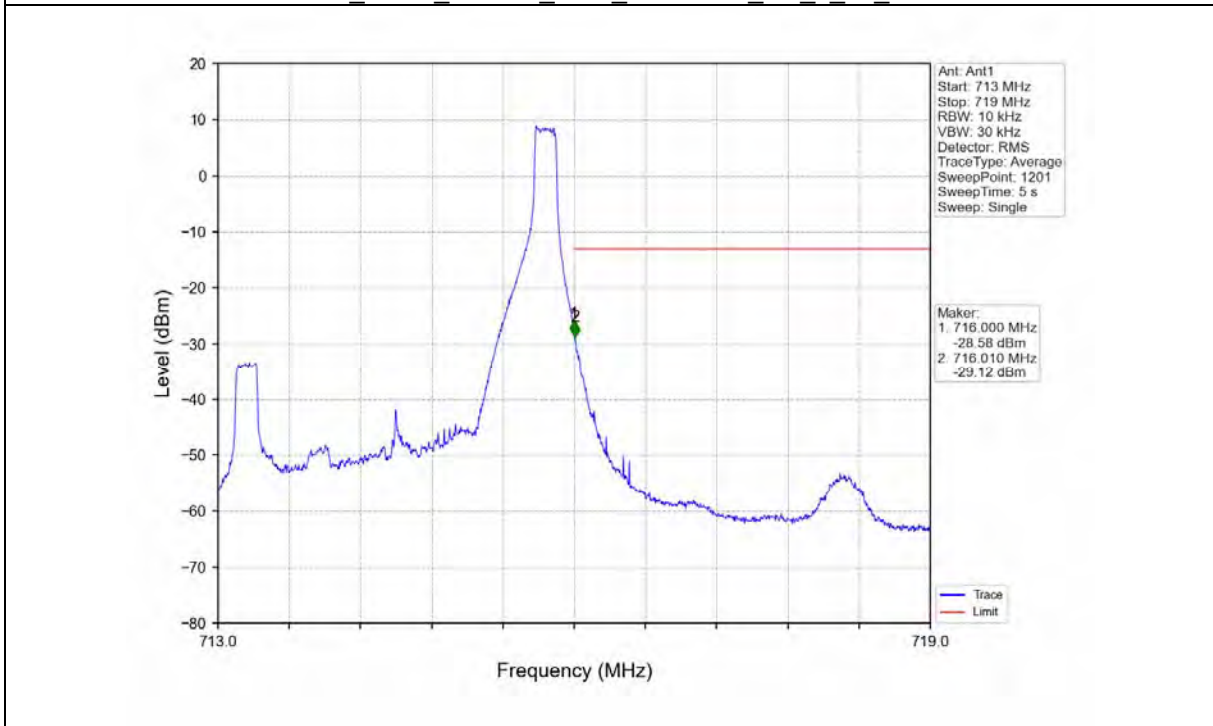


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_3MHz\_64QAM\_HCH\_714.5MHz\_RB\_1\_14\_NTNV

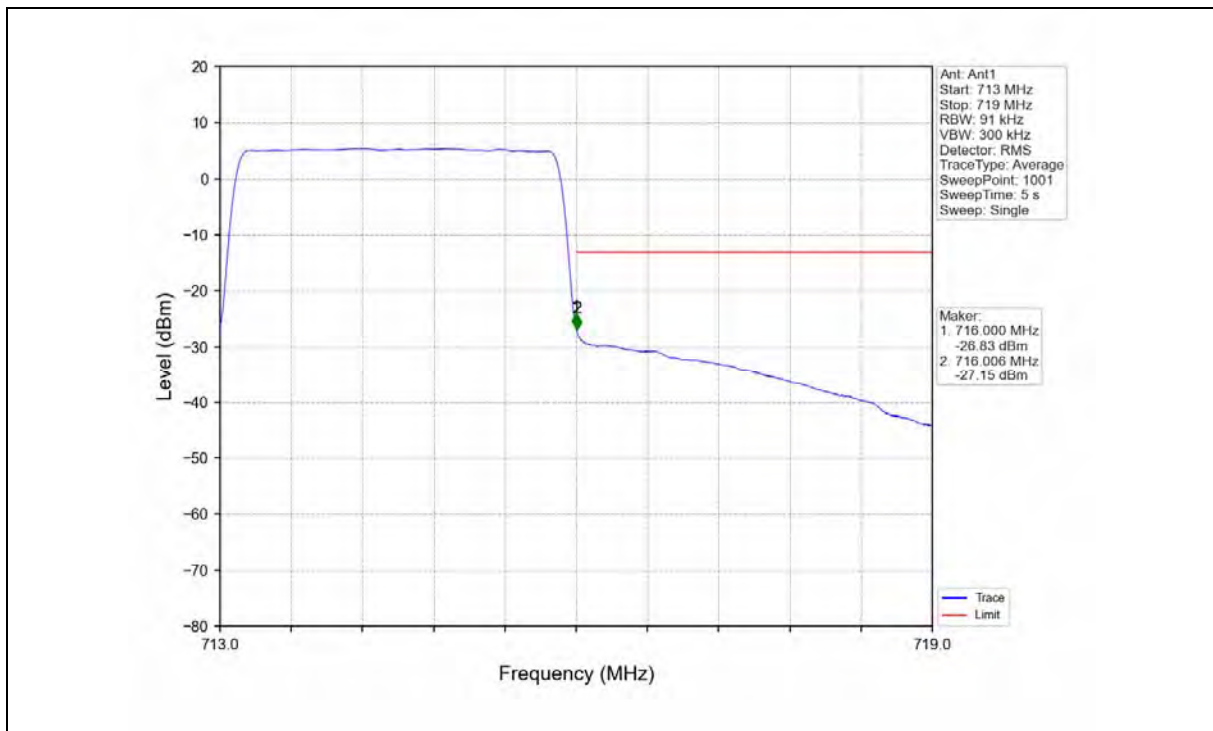


Band12\_3MHz\_64QAM\_HCH\_714.5MHz\_RB\_15\_0\_NTNV



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Test Report No.: W7L-220503W001RF06





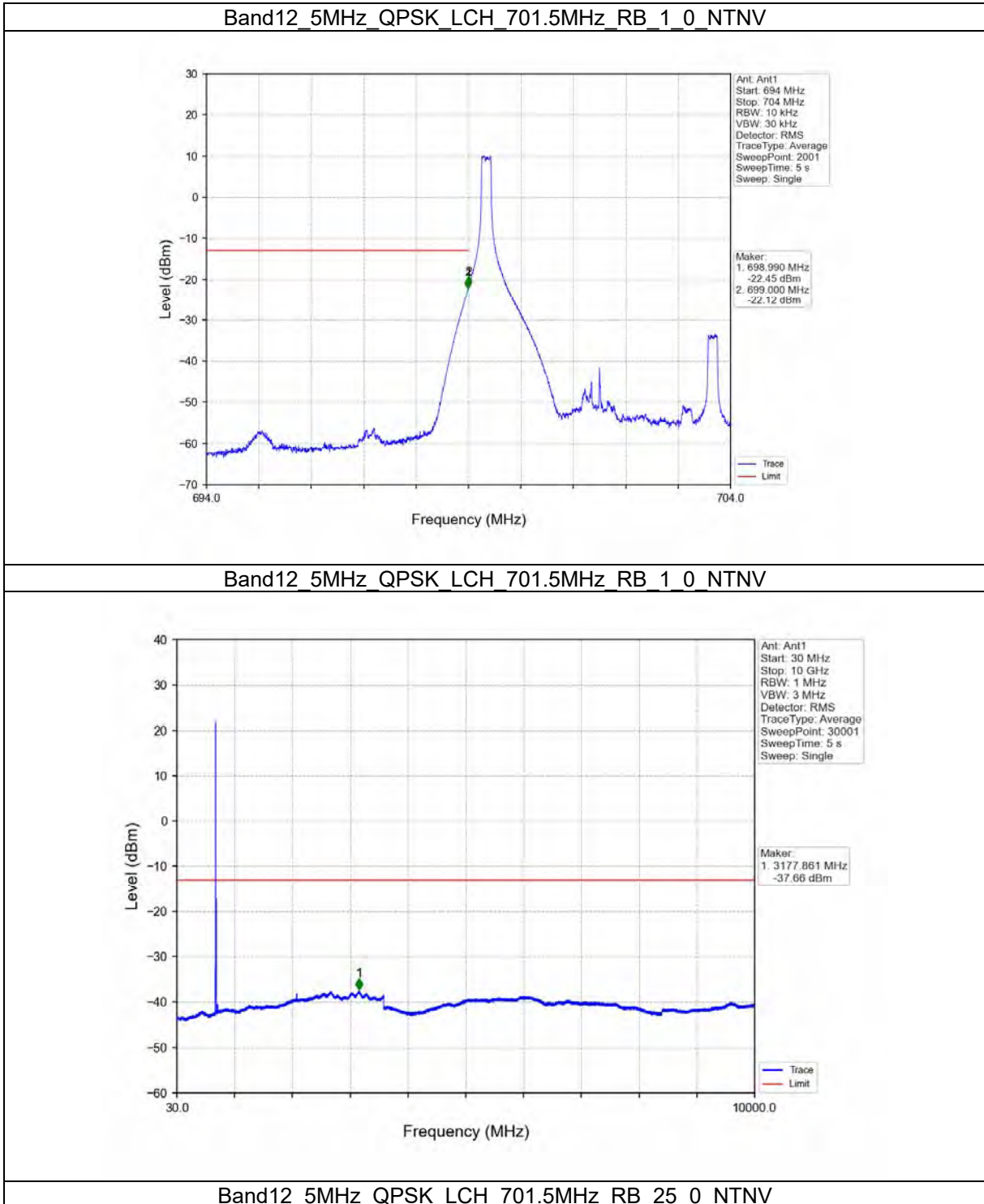
Test Report No.: W7L-220503W001RF06

B12\_5MHz

Test Result

Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
		713.5	1	0	Refer To Test Graph	
			25	0	Refer To Test Graph	
	16QAM	701.5	1	0	Refer To Test Graph	
25			0	Refer To Test Graph		Pass
707.5		1	0	Refer To Test Graph		Pass
		713.5	1	0	Refer To Test Graph	
			25	0	Refer To Test Graph	
64QAM		701.5	1	0	Refer To Test Graph	
	25		0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
		713.5	1	0	Refer To Test Graph	
			25	0	Refer To Test Graph	
				24	Refer To Test Graph	

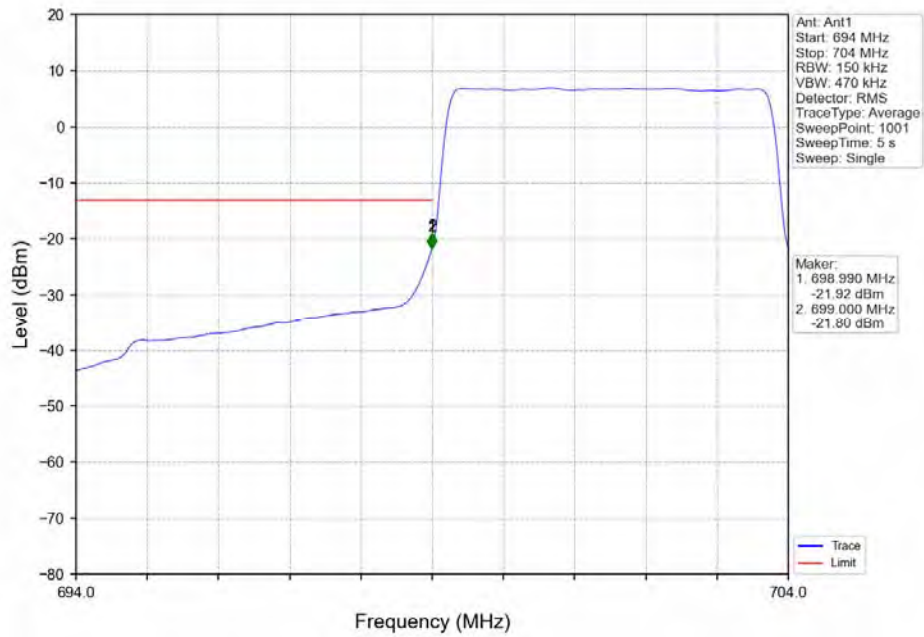
Test Graph



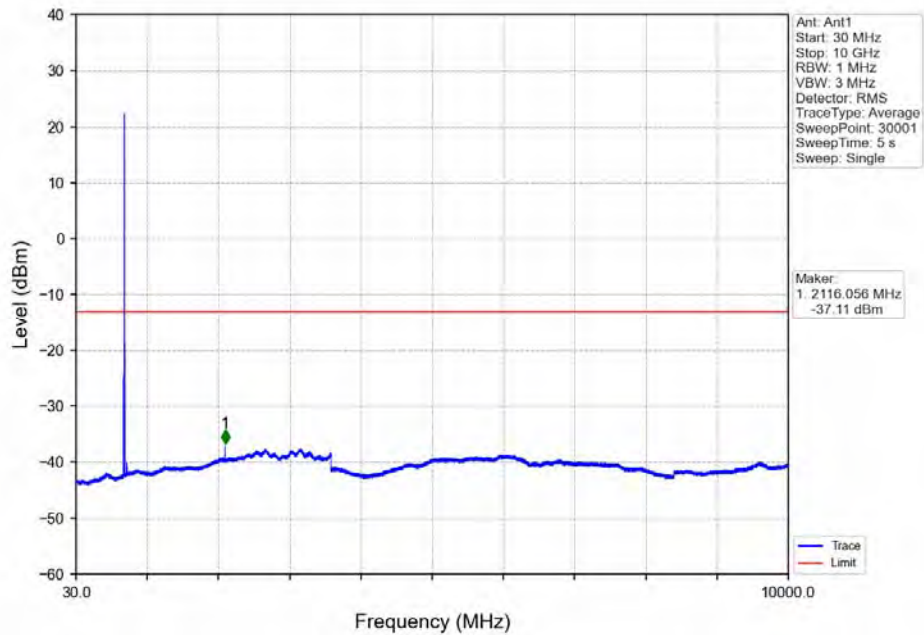


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Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_QPSK\_MCH\_707.5MHz\_RB\_1\_0\_NTNV



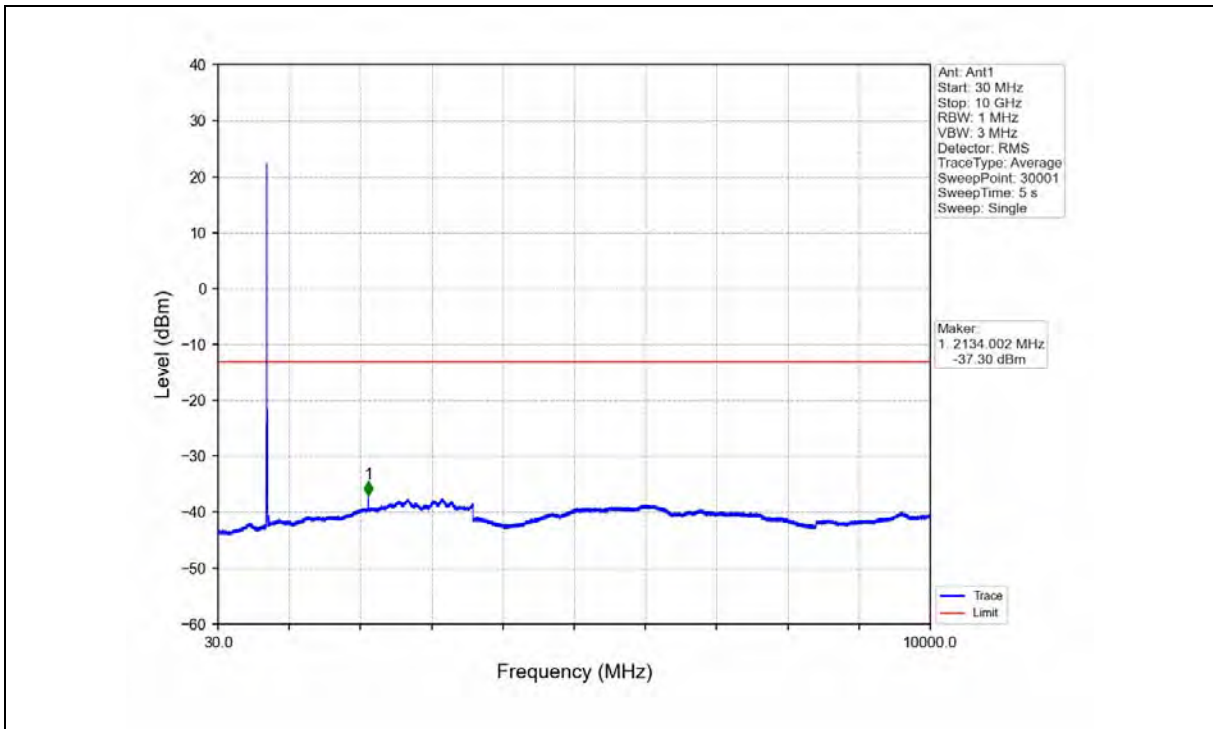
Band12\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_1\_0\_NTNV



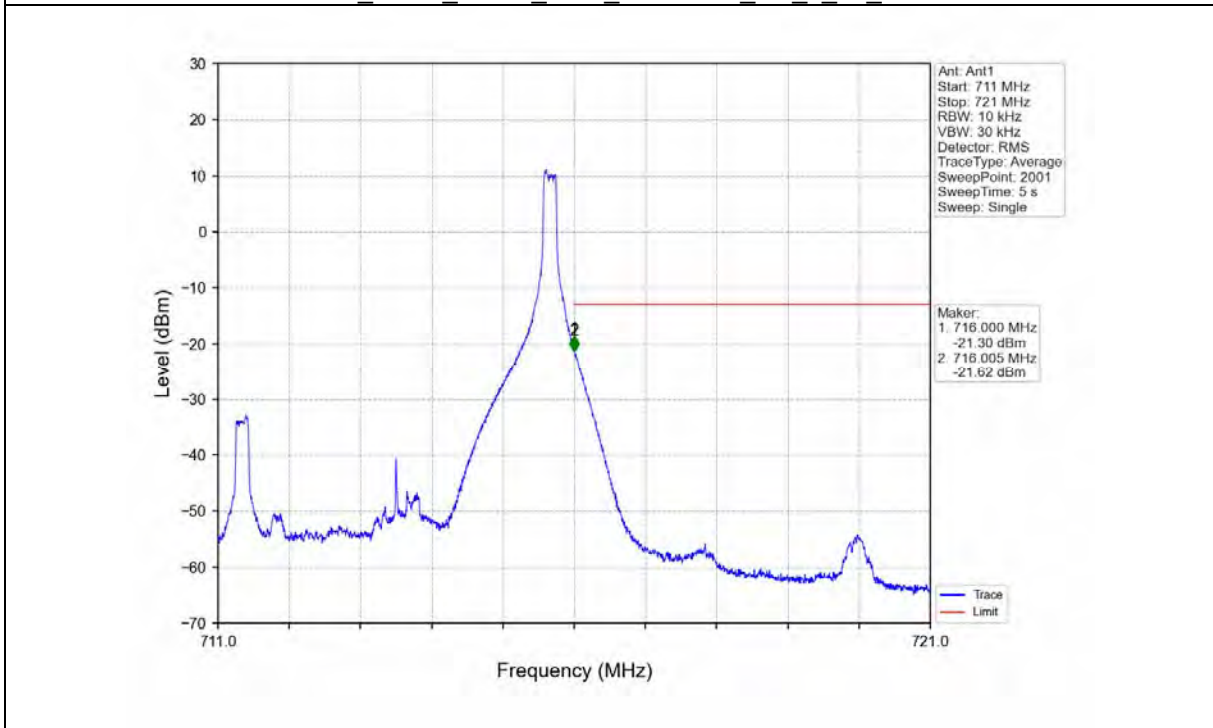


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Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_1\_24\_NTNV

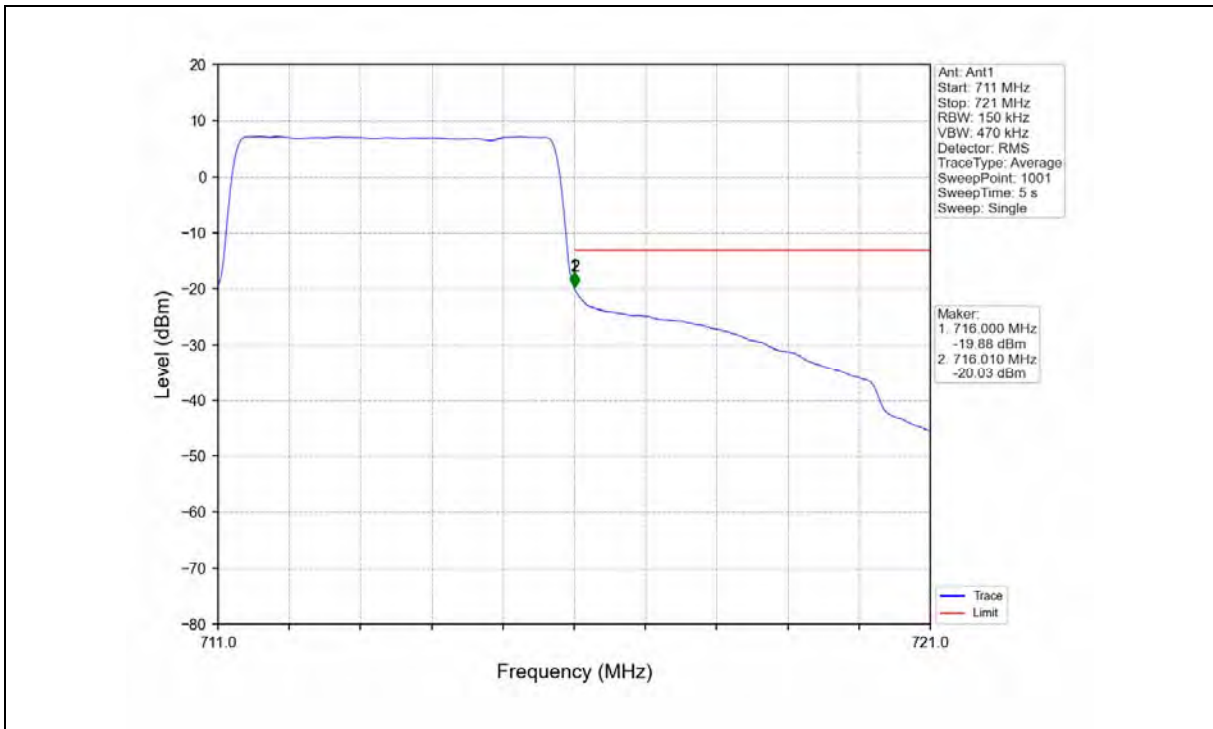


Band12\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV

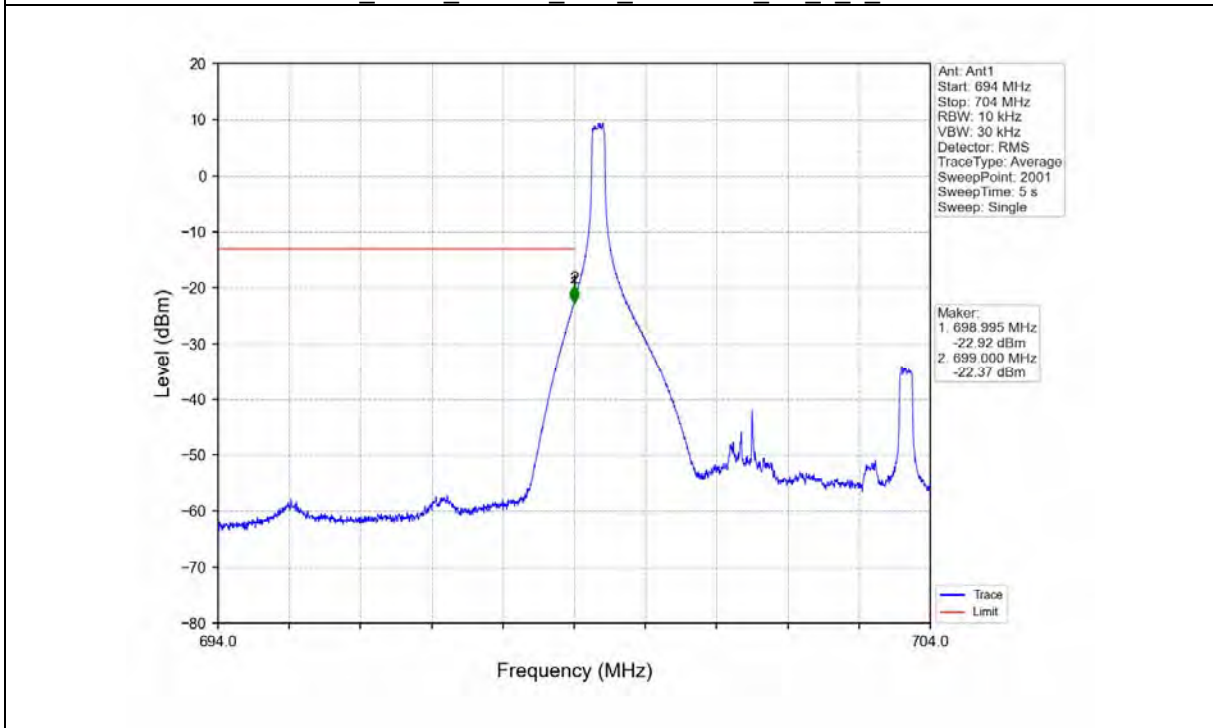


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Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_16QAM\_LCH\_701.5MHz\_RB\_1\_0\_NTNV

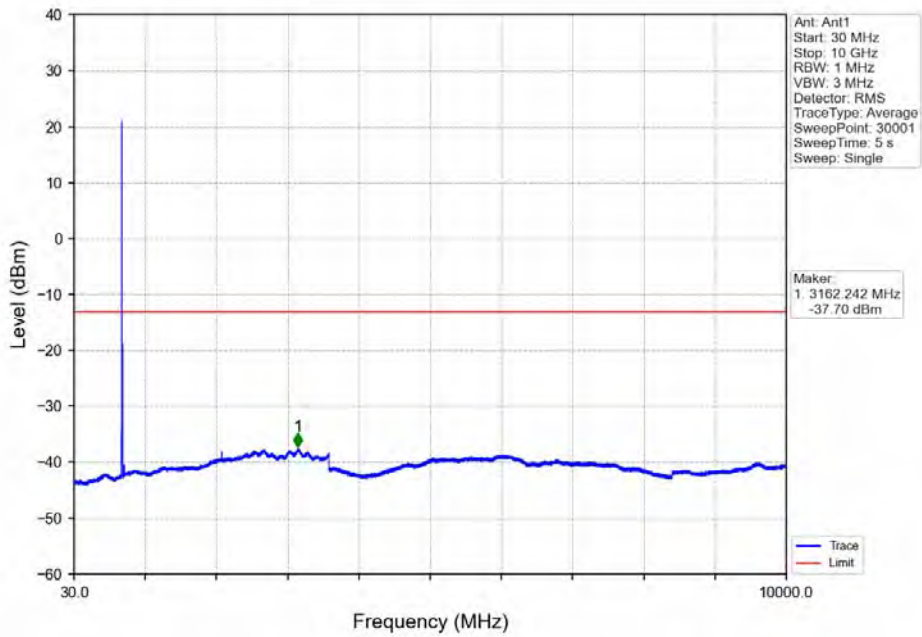


Band12\_5MHz\_16QAM\_LCH\_701.5MHz\_RB\_1\_0\_NTNV

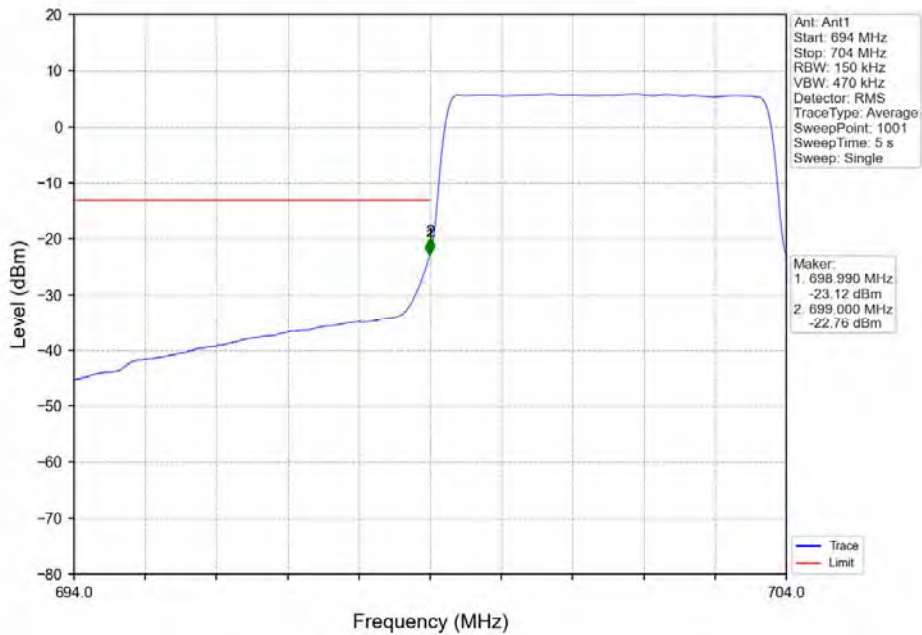


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_16QAM\_LCH\_701.5MHz\_RB\_25\_0\_NTNV

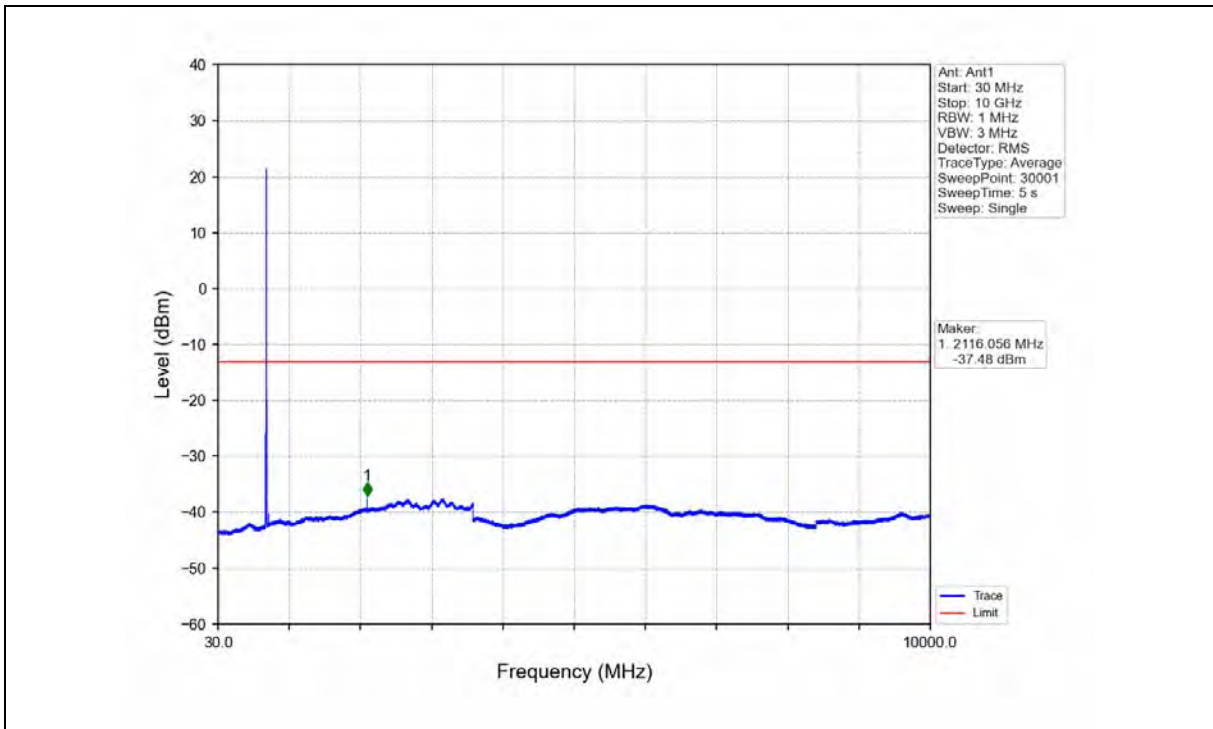


Band12\_5MHz\_16QAM\_MCH\_707.5MHz\_RB\_1\_0\_NTNV

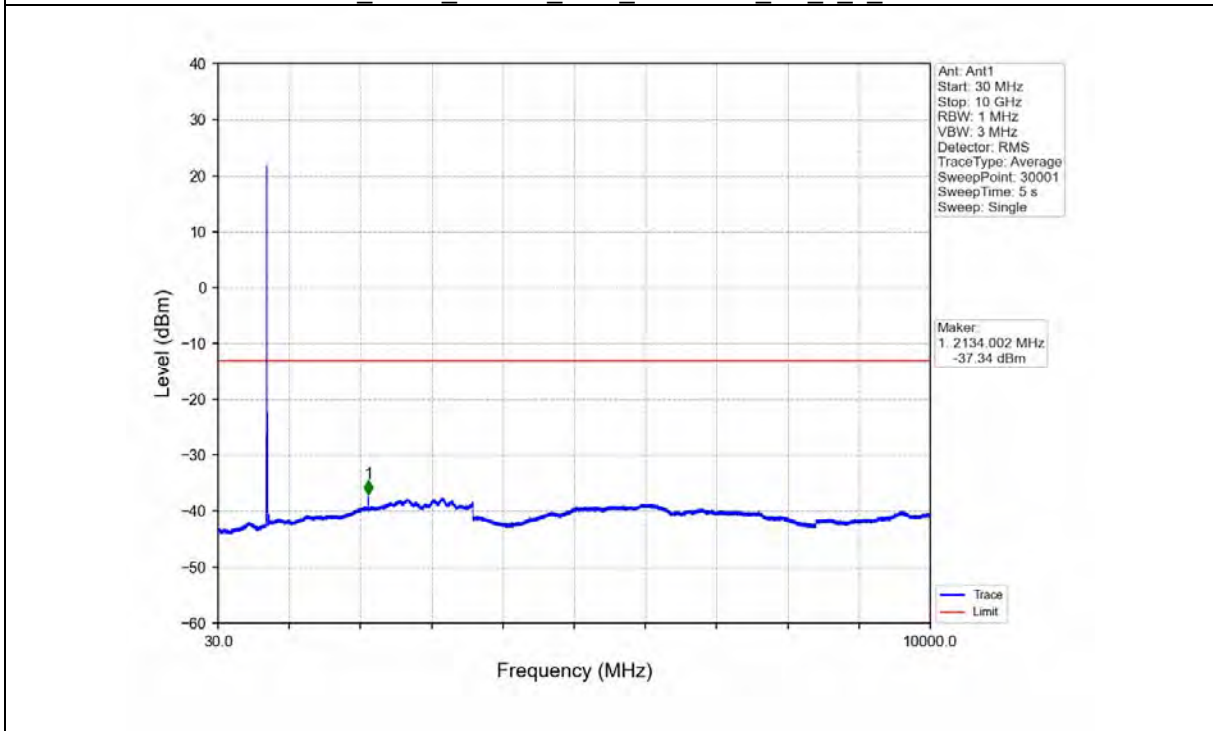


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Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_1\_0\_NTNV

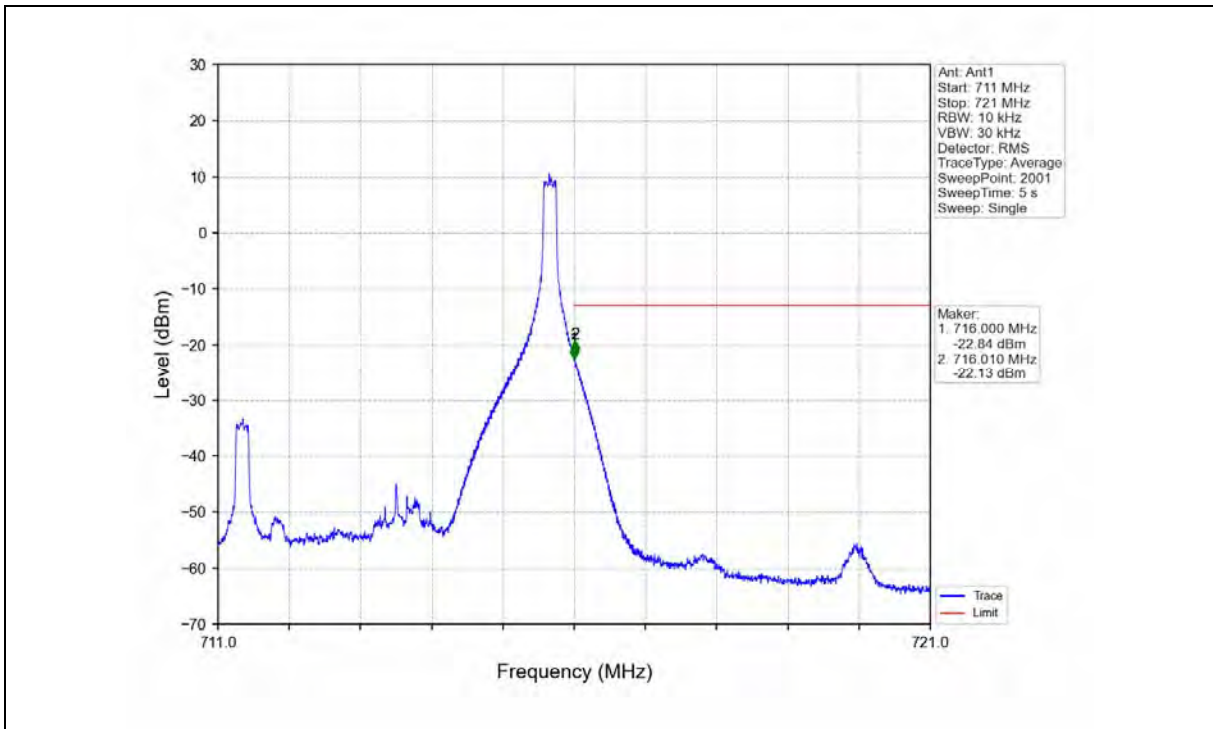


Band12\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_1\_24\_NTNV

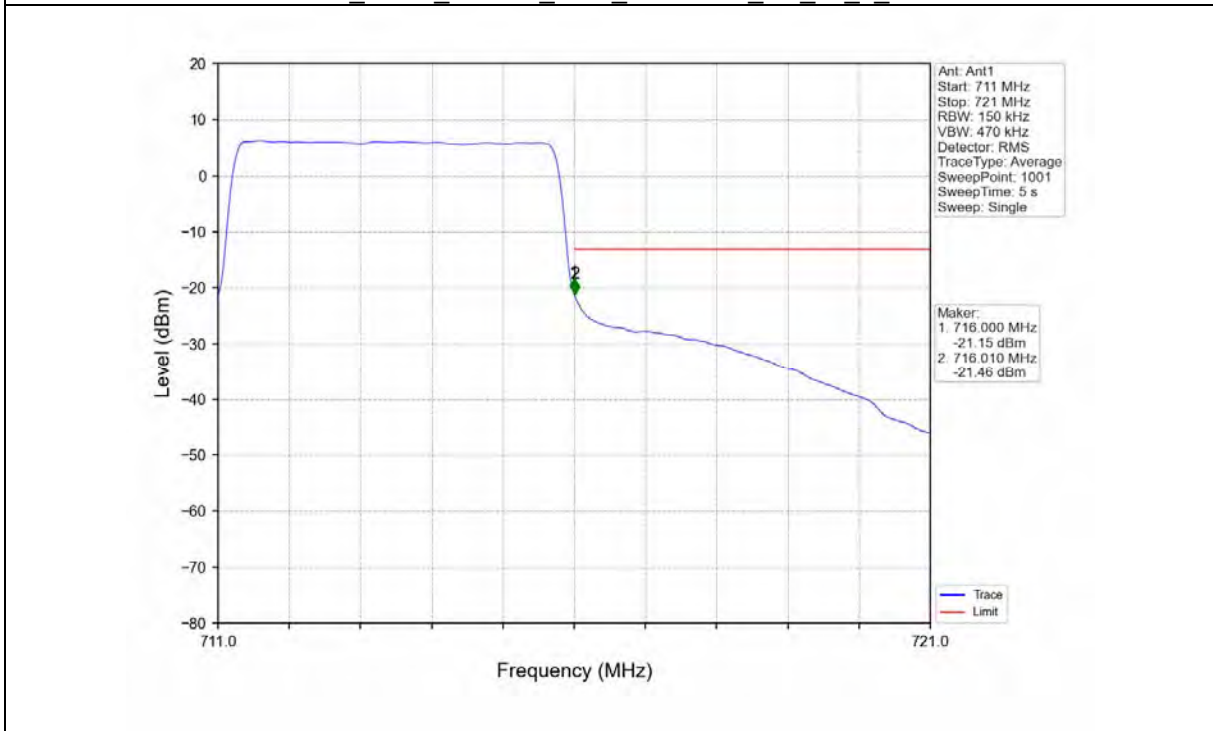


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV

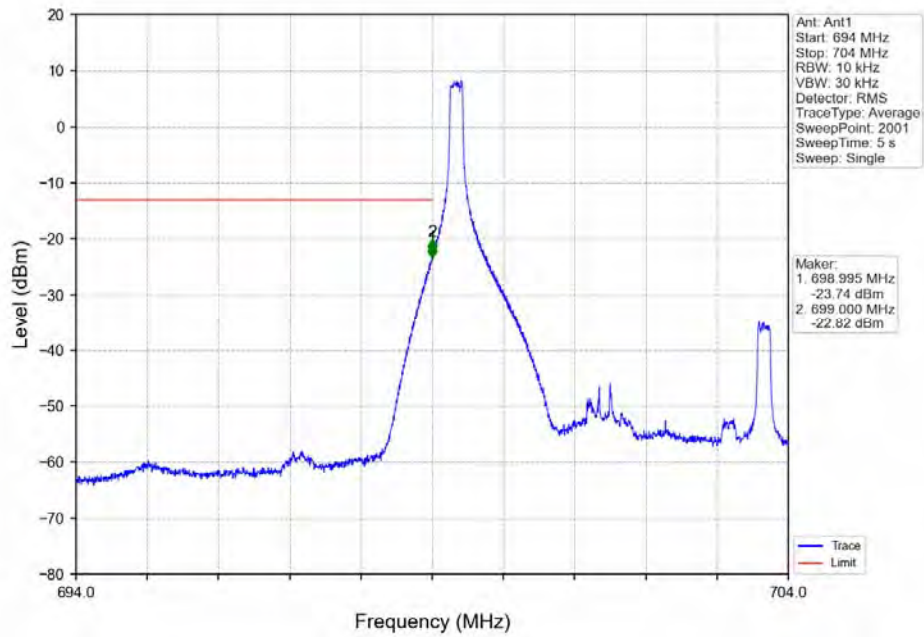


Band12\_5MHz\_64QAM\_LCH\_701.5MHz\_RB\_1\_0\_NTNV

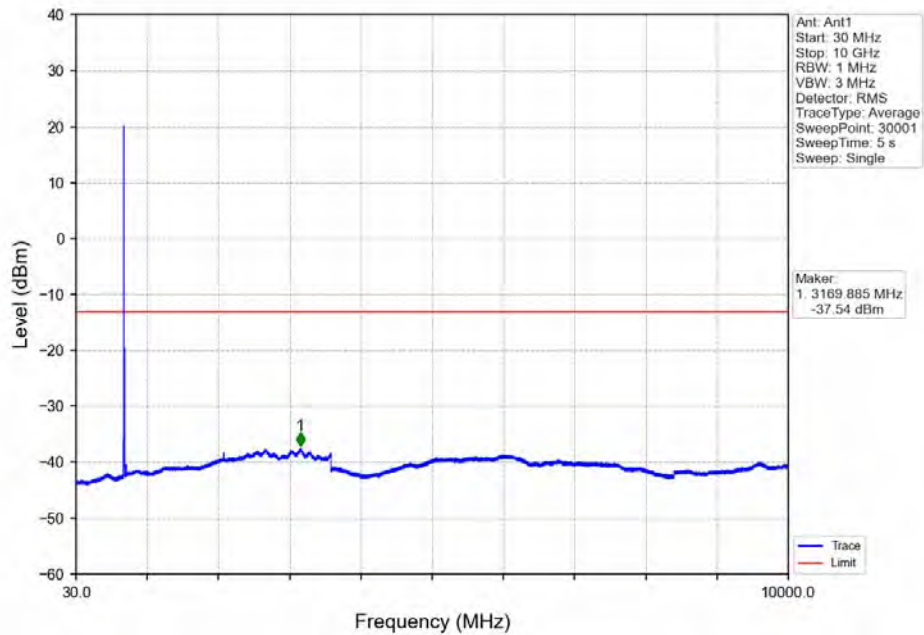


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_64QAM\_LCH\_701.5MHz\_RB\_1\_0\_NTNV

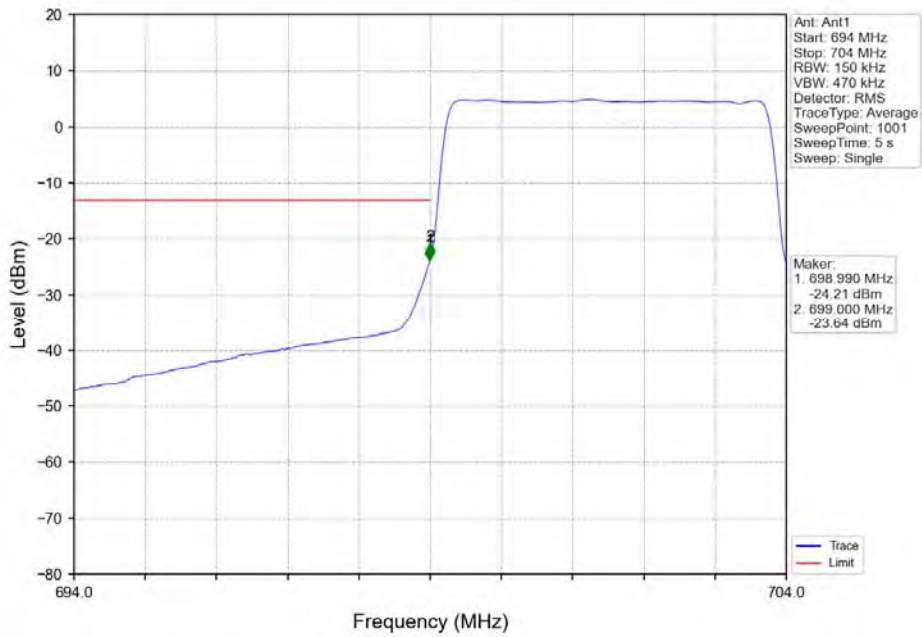


Band12\_5MHz\_64QAM\_LCH\_701.5MHz\_RB\_25\_0\_NTNV

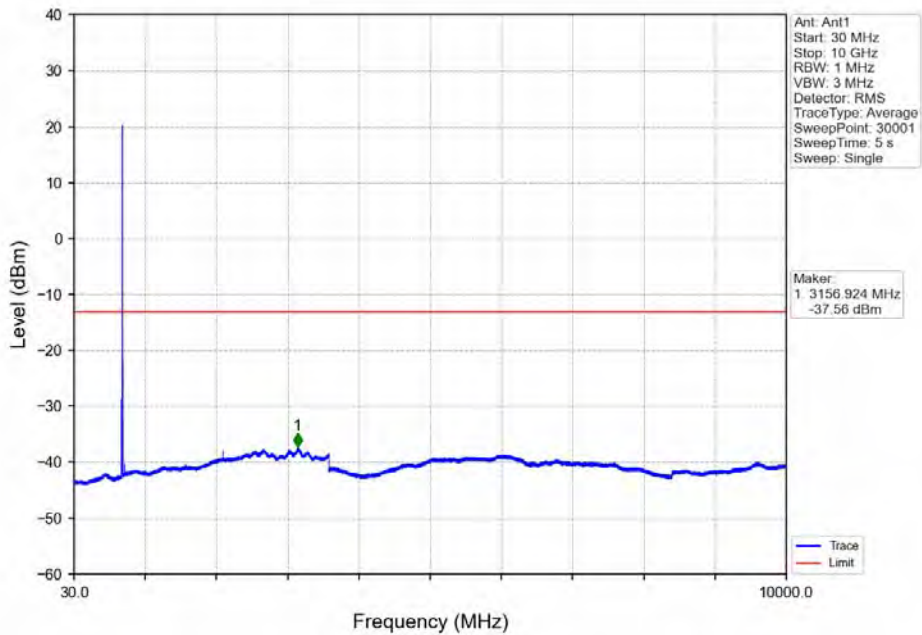


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Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_64QAM\_MCH\_707.5MHz\_RB\_1\_0\_NTNV

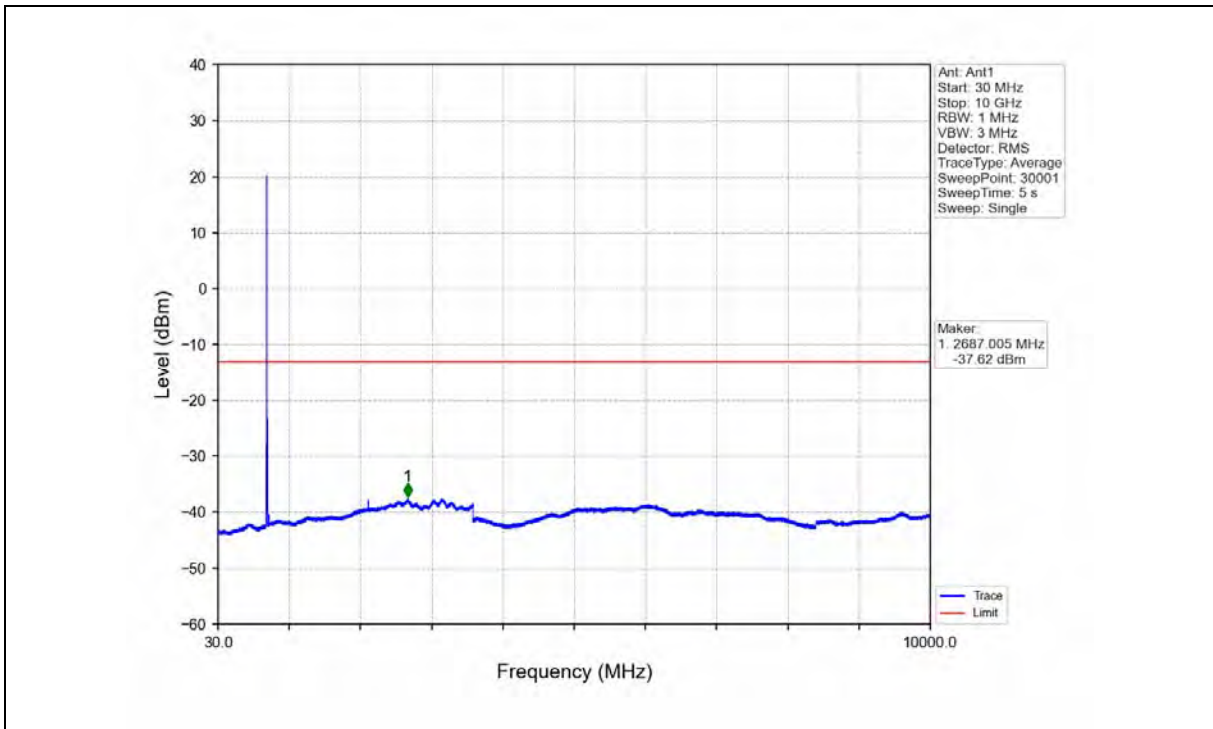


Band12\_5MHz\_64QAM\_HCH\_713.5MHz\_RB\_1\_0\_NTNV

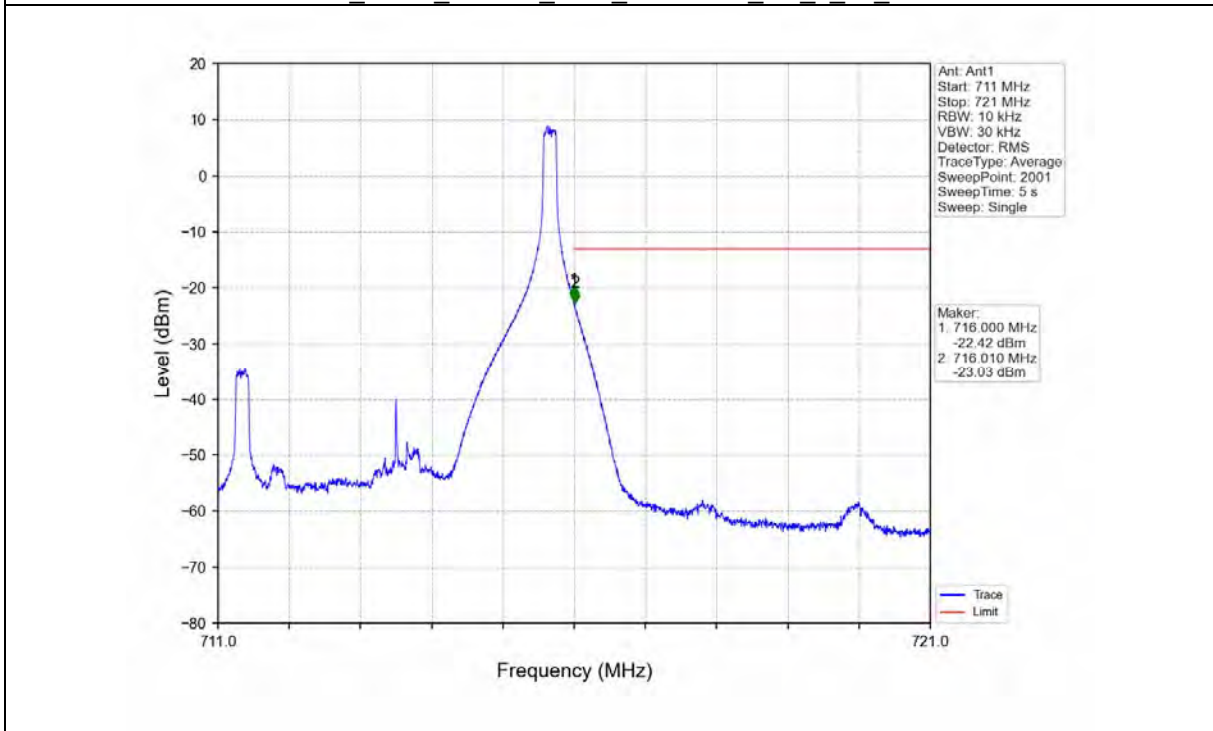


BUREAU VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_5MHz\_64QAM\_HCH\_713.5MHz\_RB\_1\_24\_NTNV



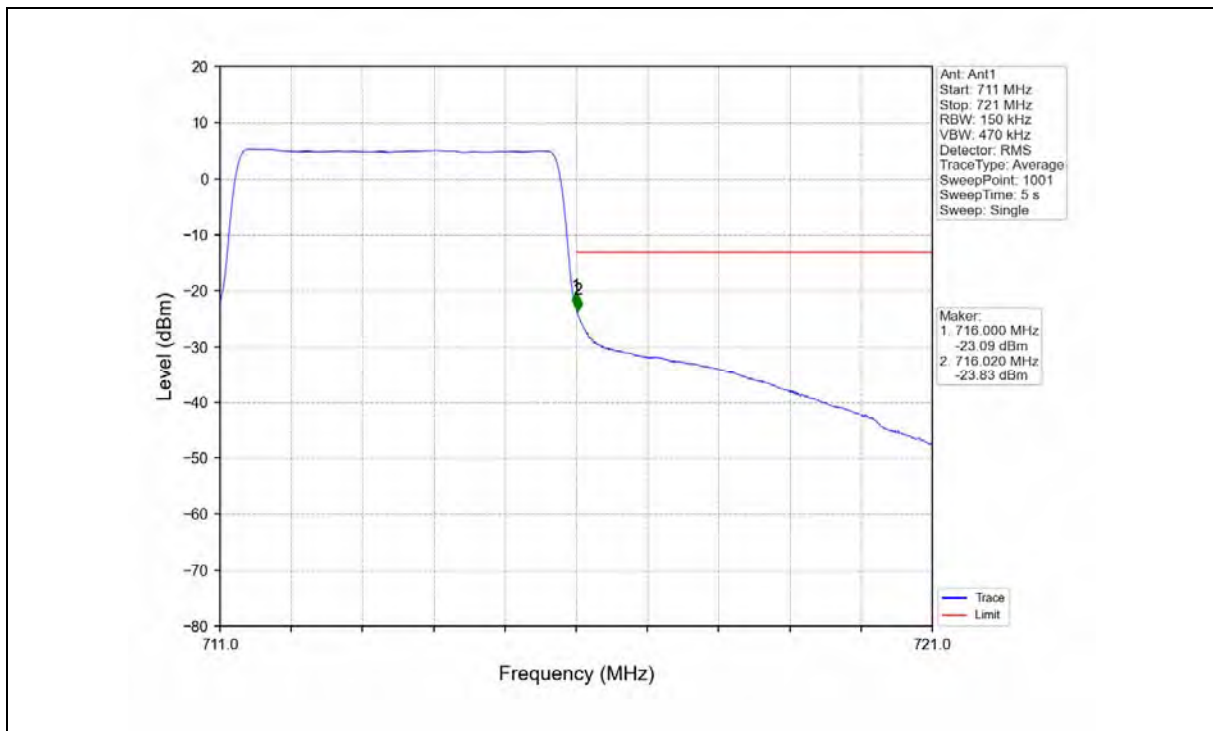
Band12\_5MHz\_64QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV





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VERITAS

Test Report No.: W7L-220503W001RF06





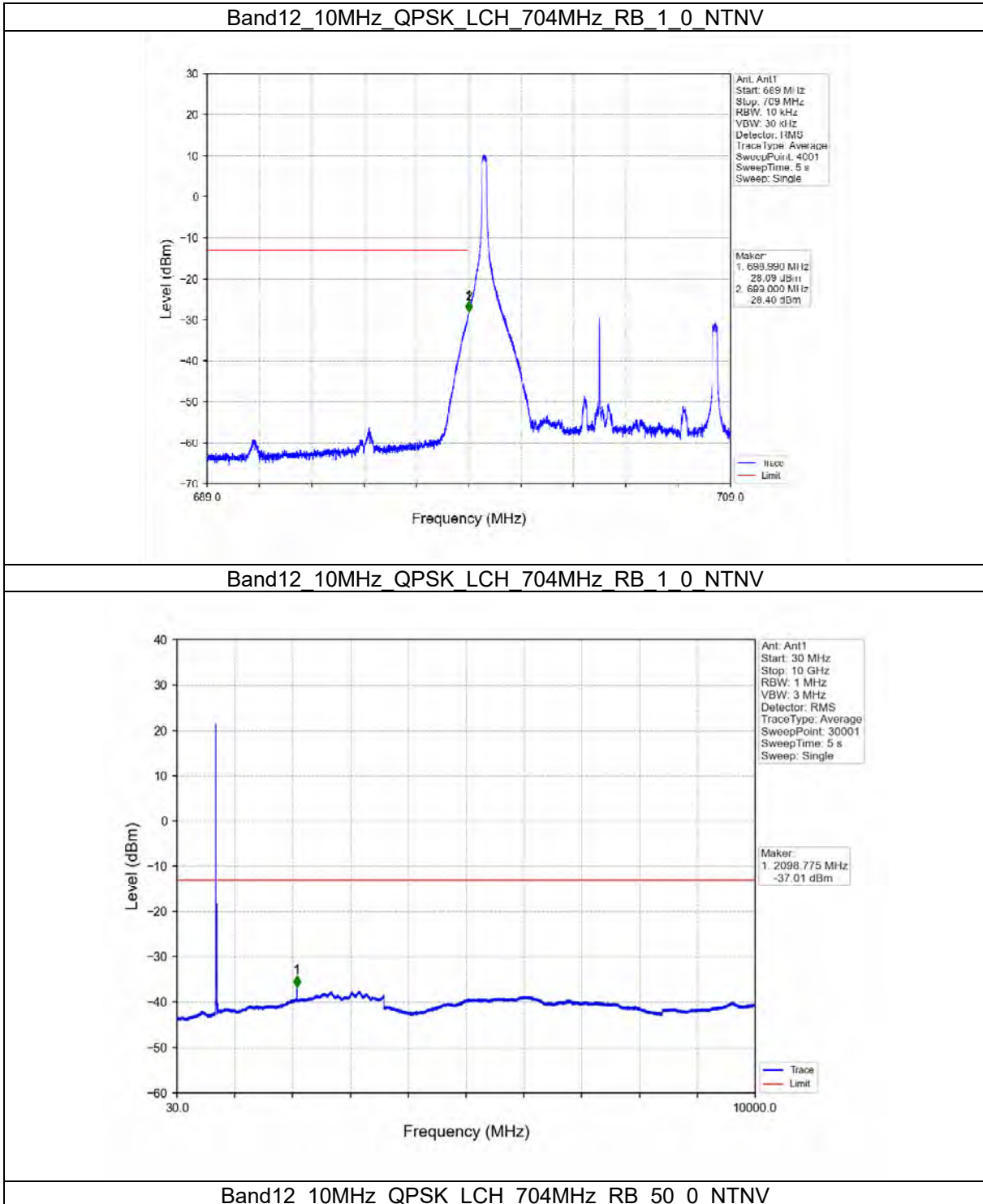
Test Report No.: W7L-220503W001RF06

B12\_10MHz

Test Result

Band: 12 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
		711	1	0	Refer To Test Graph	
				49	Refer To Test Graph	
			50	0	Refer To Test Graph	
16QAM	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
		711	1	0	Refer To Test Graph	
				49	Refer To Test Graph	
			50	0	Refer To Test Graph	
64QAM	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
		711	1	0	Refer To Test Graph	
				49	Refer To Test Graph	
			50	0	Refer To Test Graph	

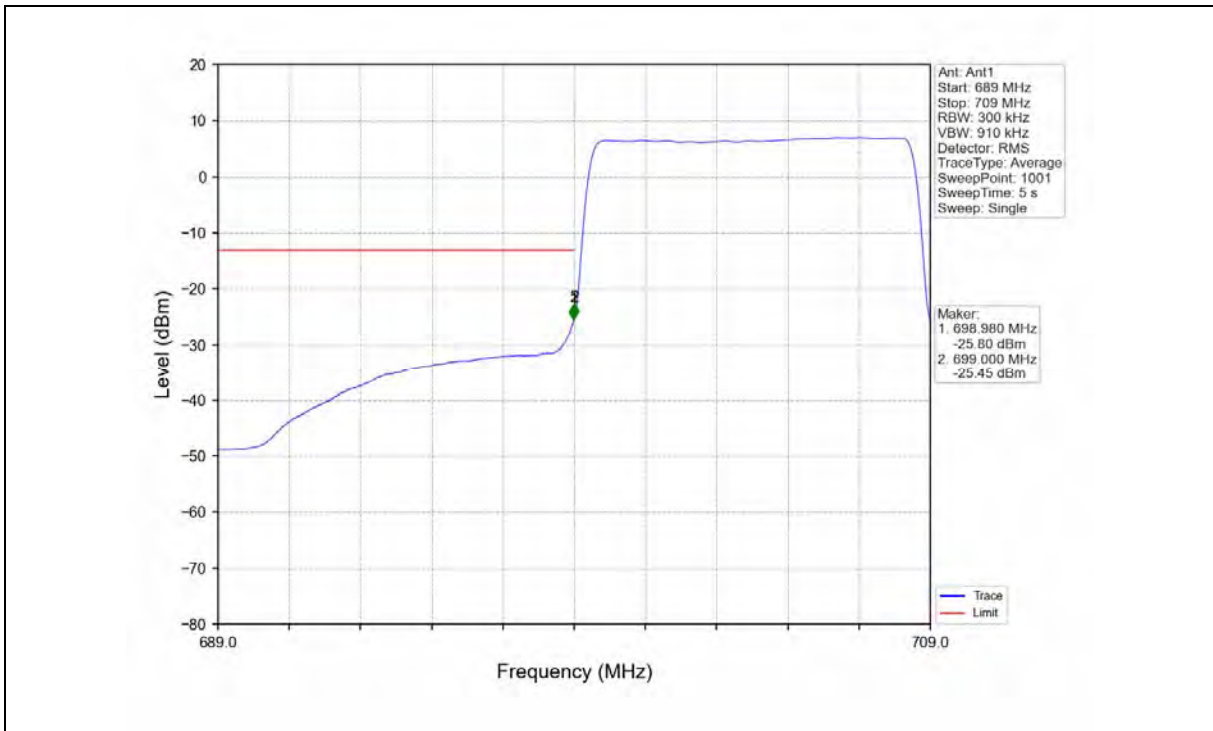
Test Graph



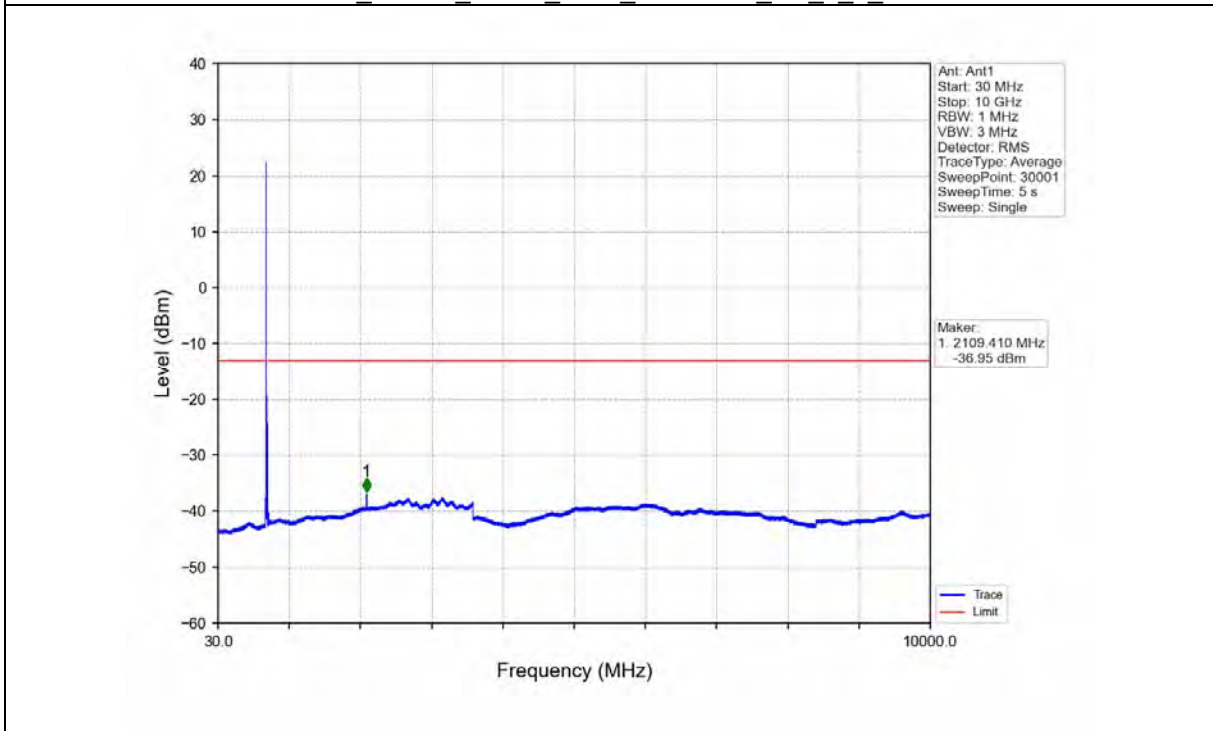


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Test Report No.: W7L-220503W001RF06



Band12\_10MHz\_QPSK\_MCH\_707.5MHz\_RB\_1\_0\_NTNV

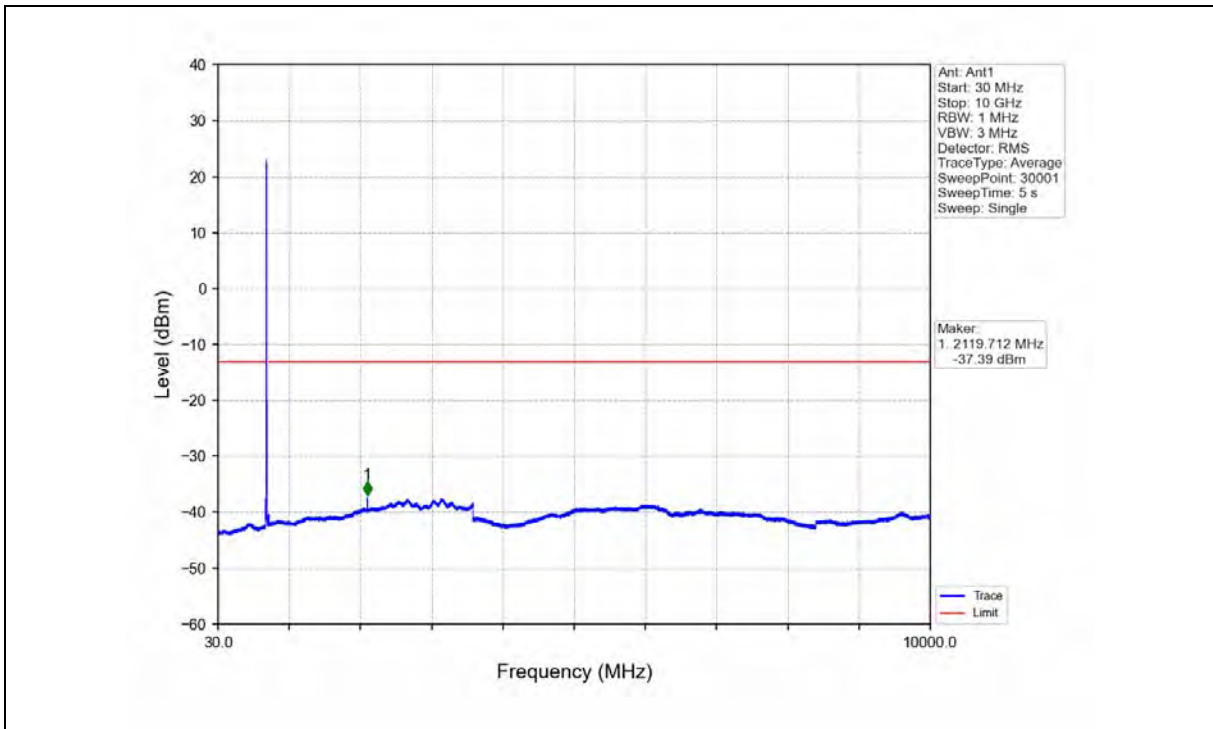


Band12\_10MHz\_QPSK\_HCH\_711MHz\_RB\_1\_0\_NTNV

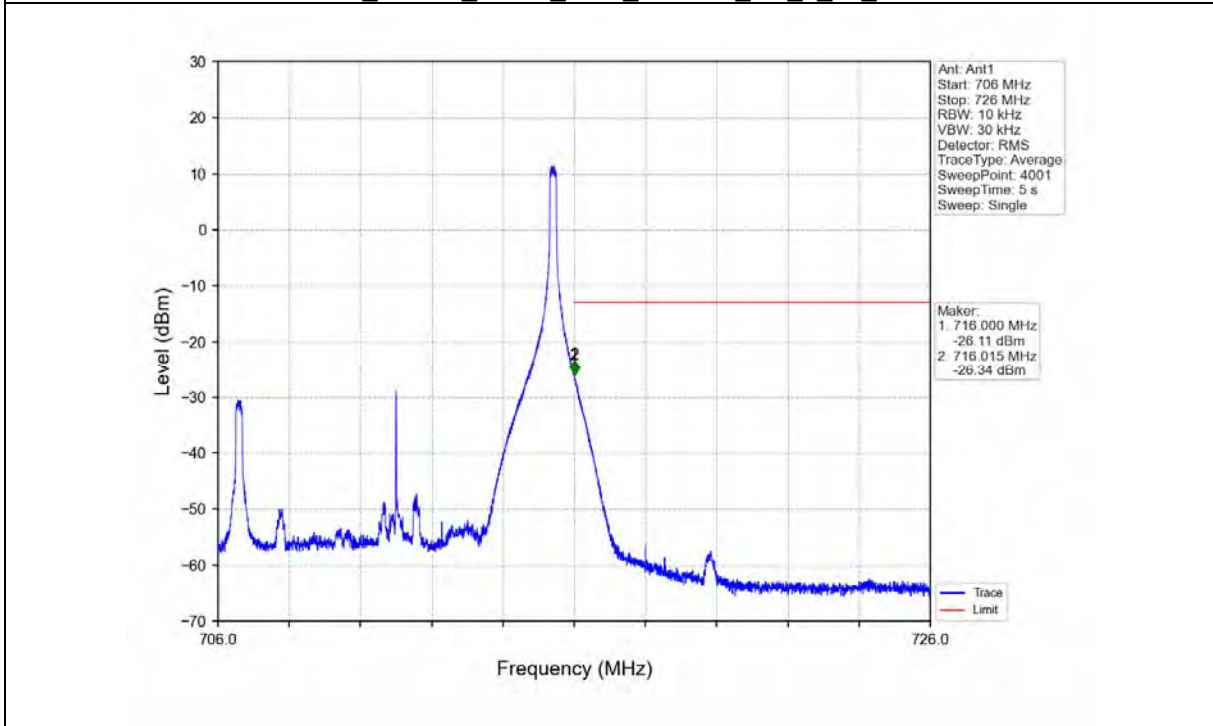


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Test Report No.: W7L-220503W001RF06



Band12\_10MHz\_QPSK\_HCH\_711MHz\_RB\_1\_49\_NTNV

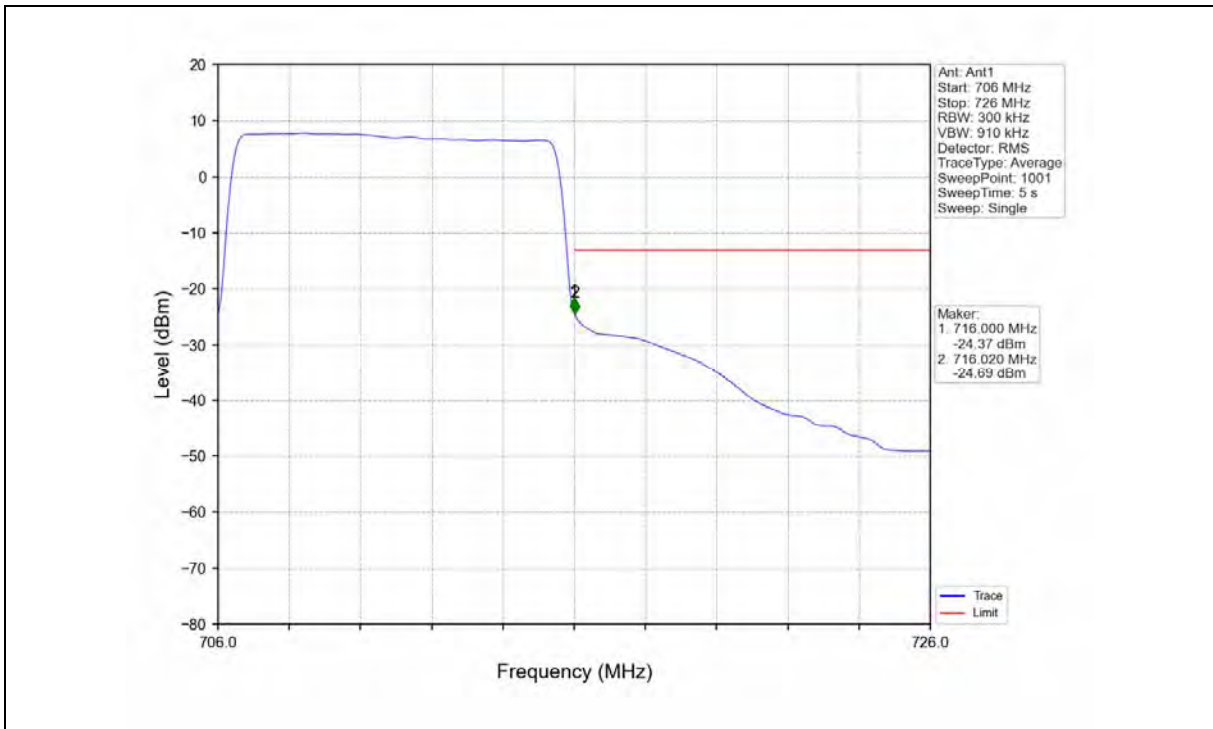


Band12\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV

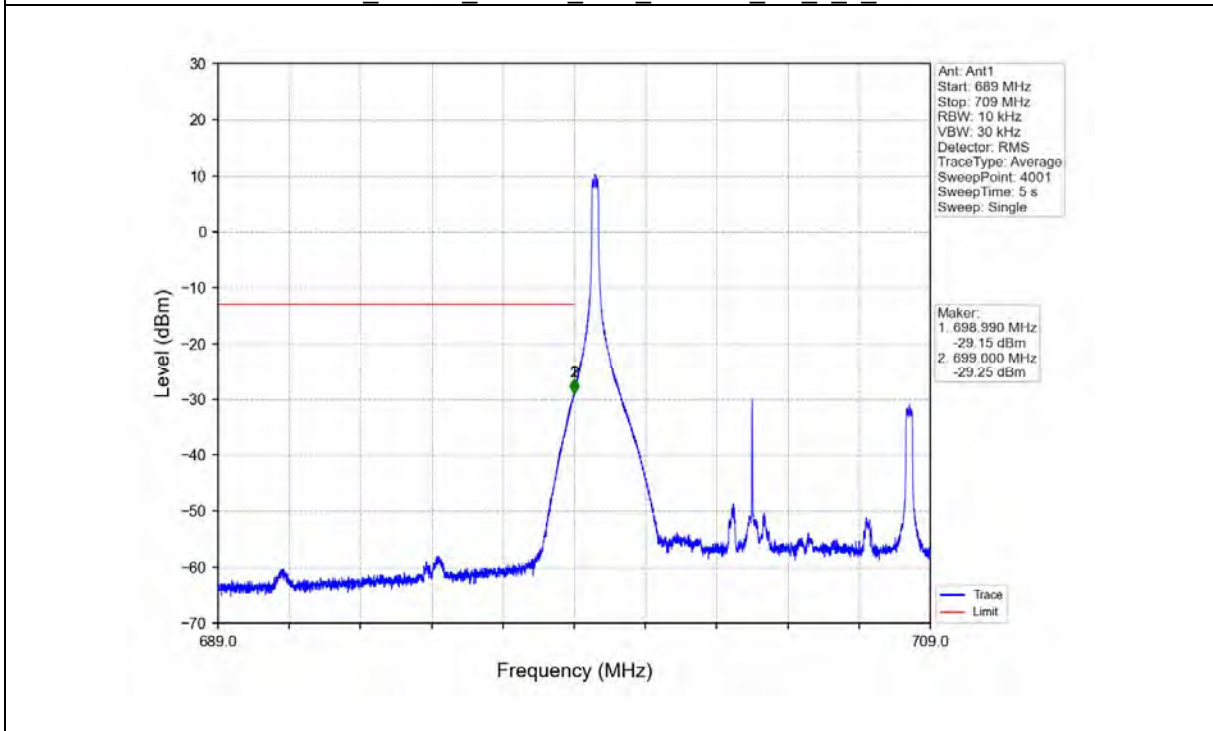


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_10MHz\_16QAM\_LCH\_704MHz\_RB\_1\_0\_NTNV

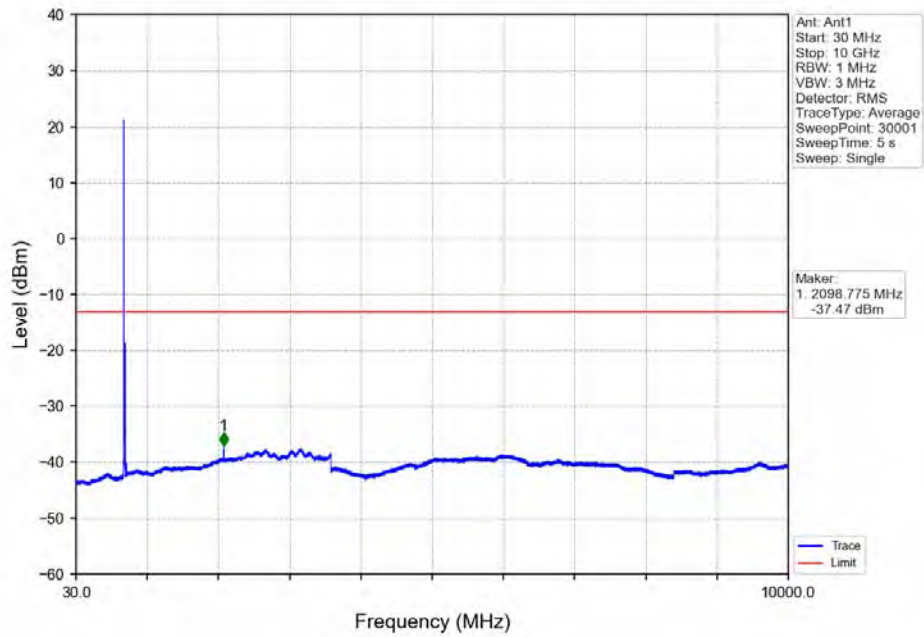


Band12\_10MHz\_16QAM\_LCH\_704MHz\_RB\_1\_0\_NTNV

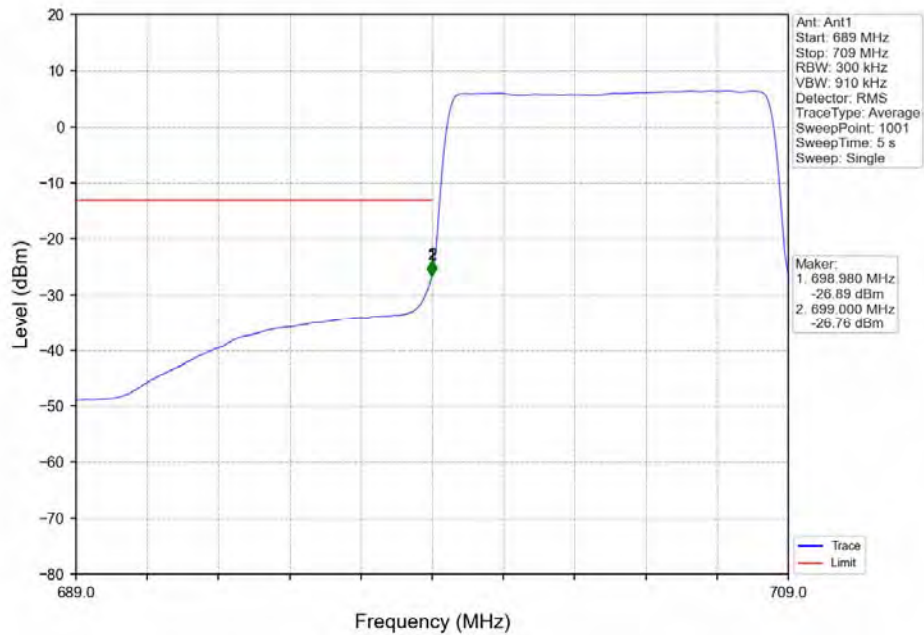


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VERITAS

Test Report No.: W7L-220503W001RF06



Band12\_10MHz\_16QAM\_LCH\_704MHz\_RB\_50\_0\_NTNV



Band12\_10MHz\_16QAM\_MCH\_707.5MHz\_RB\_1\_0\_NTNV