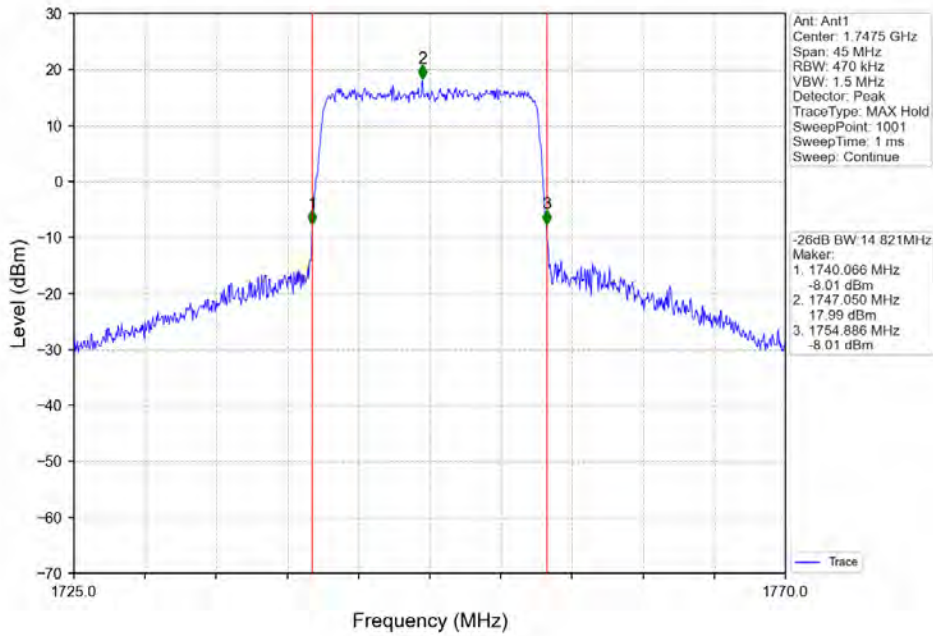
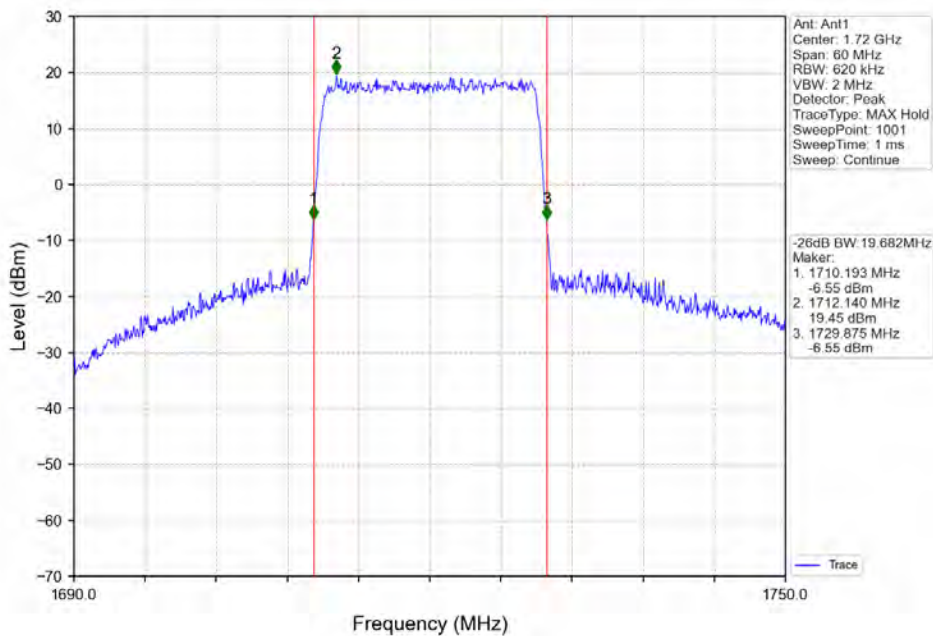


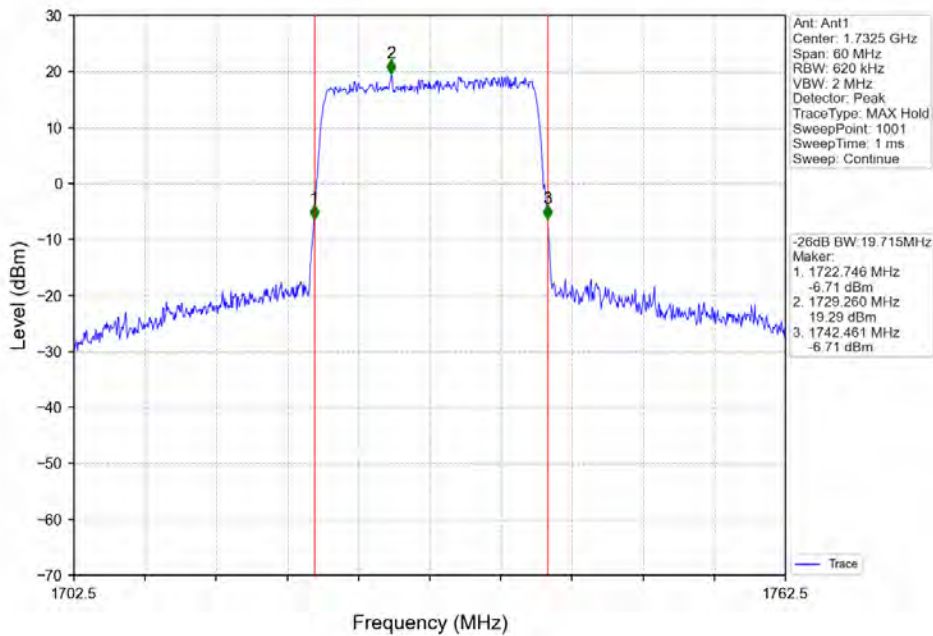
Band4_15MHz_64QAM_HCH_1747.5MHz_RB_75_0_NTNV



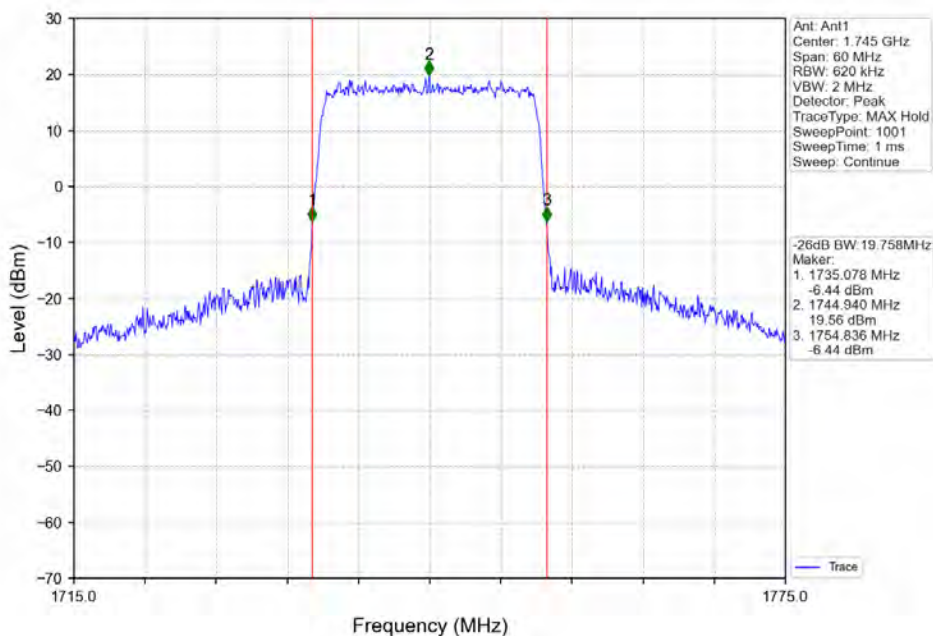
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



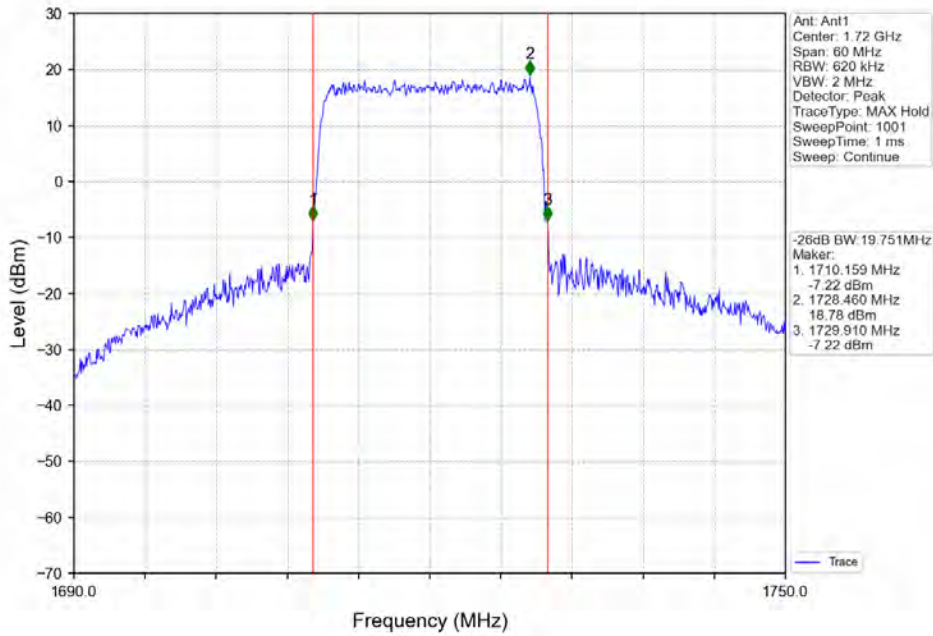
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



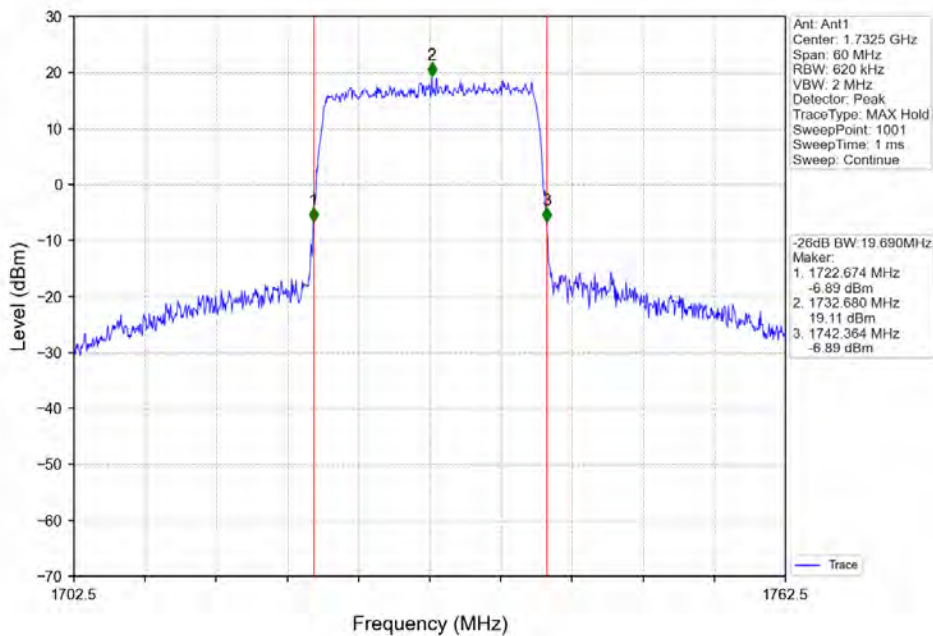
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



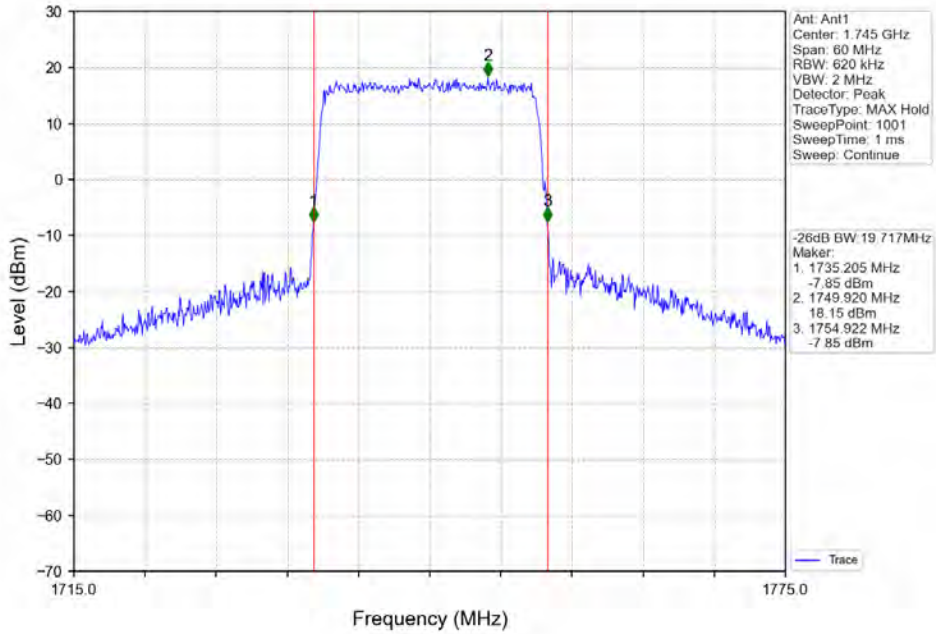
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



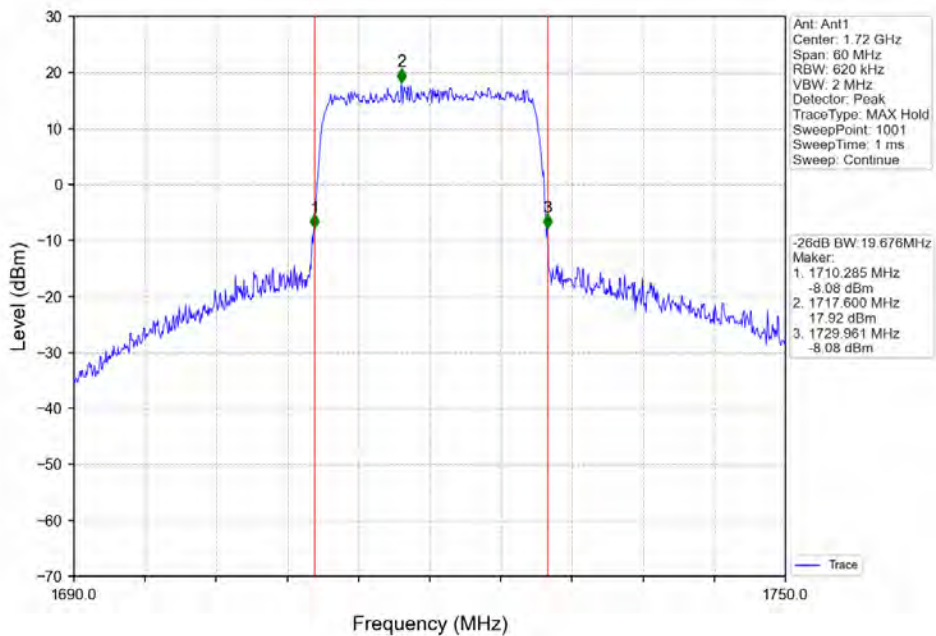
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



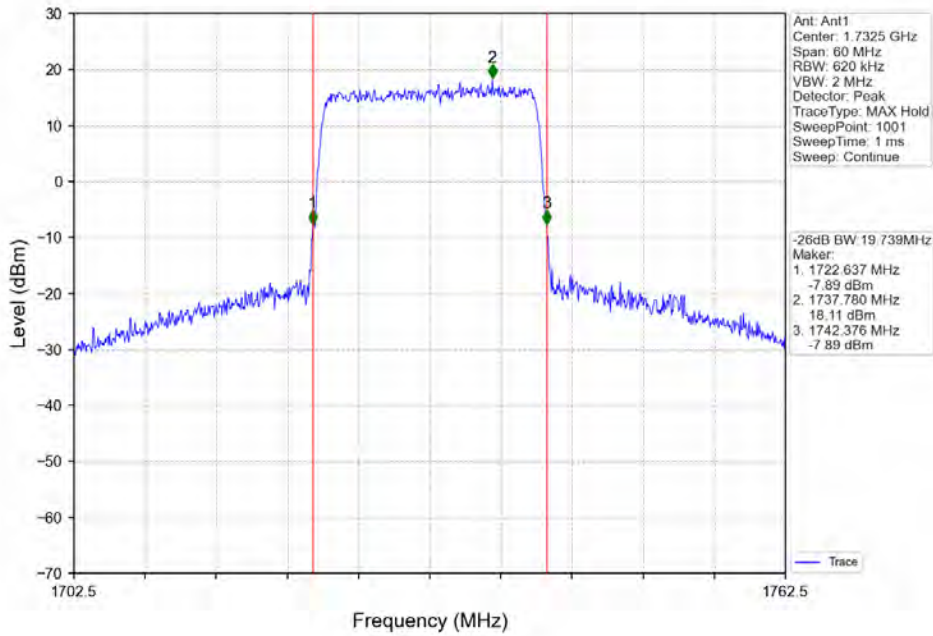
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



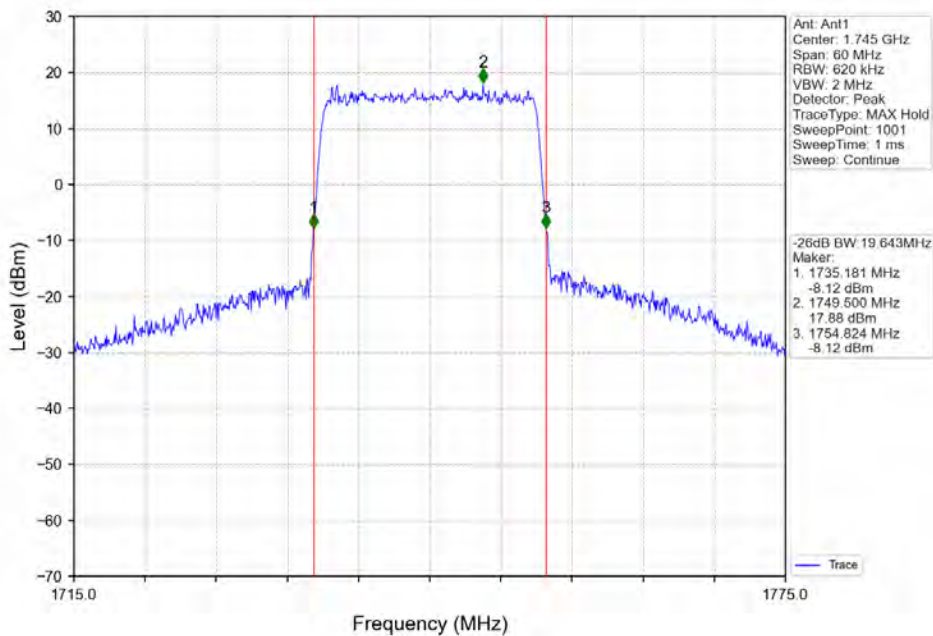
Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV





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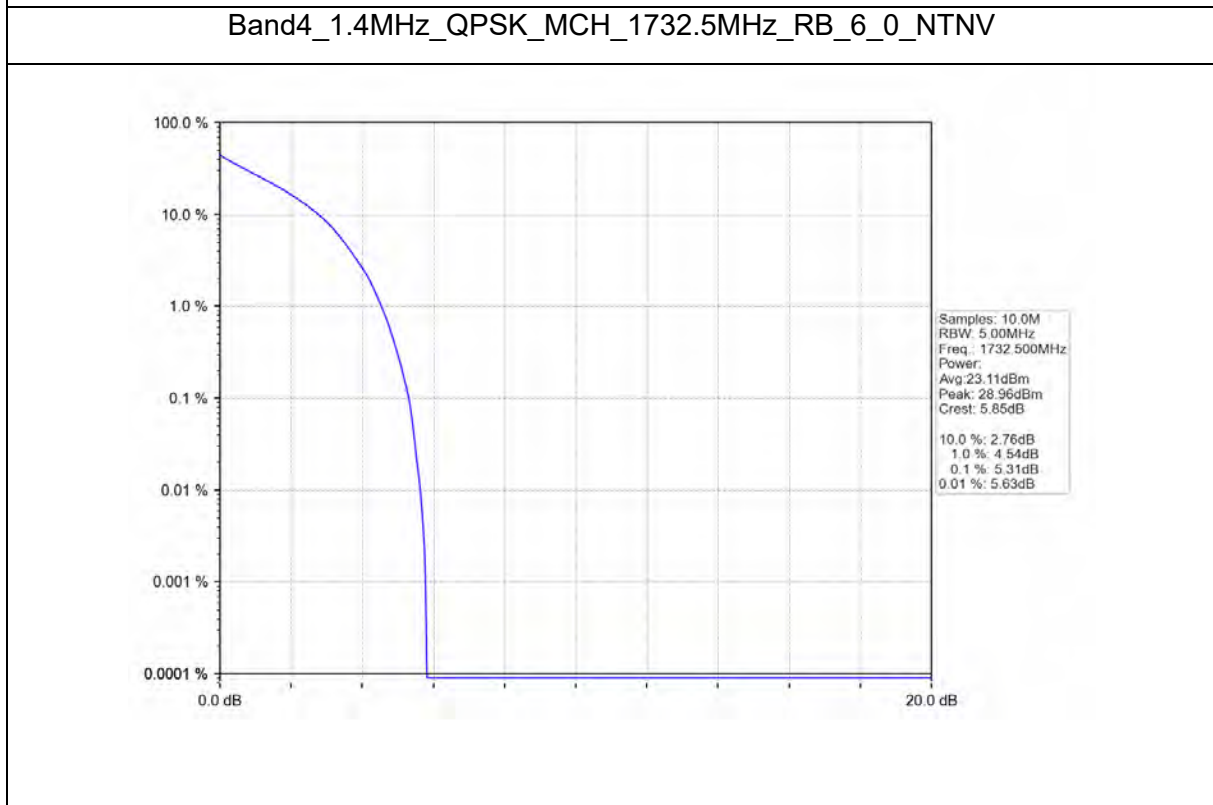
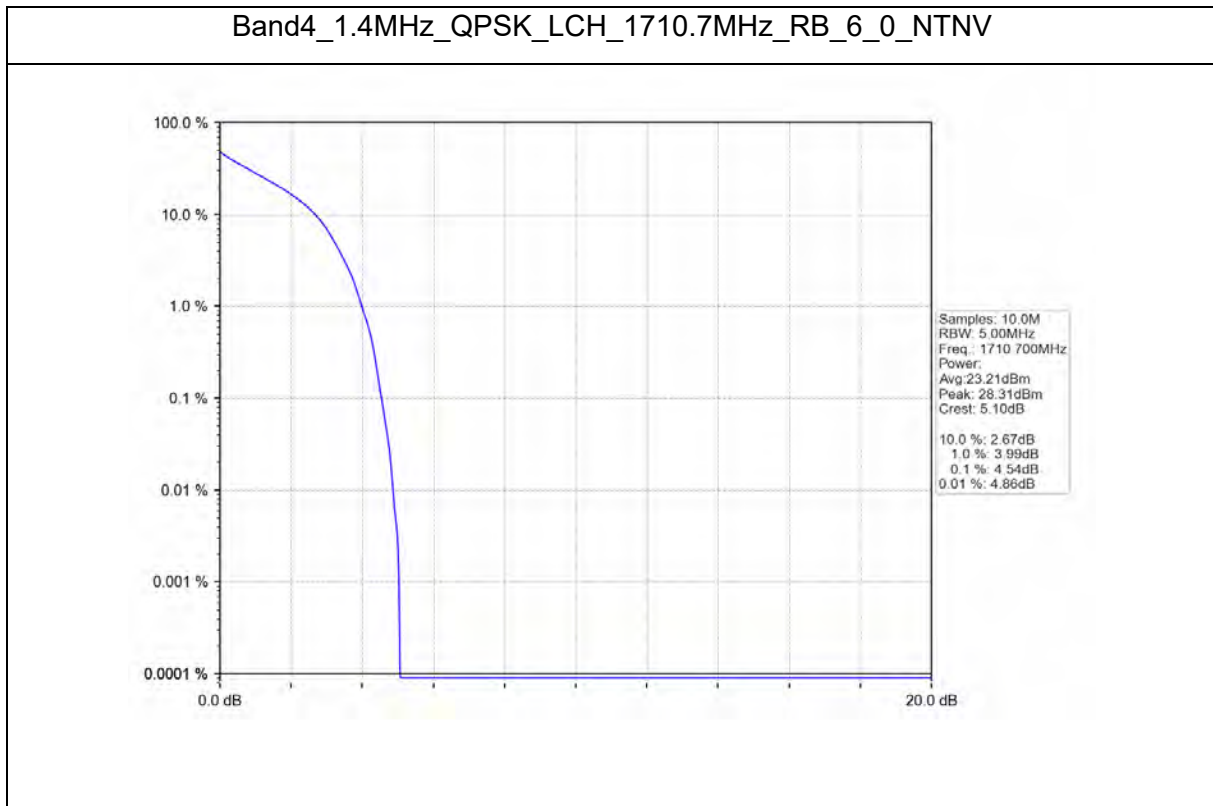
PEAK-AVERAGE RATIO

B4_1.4MHZ

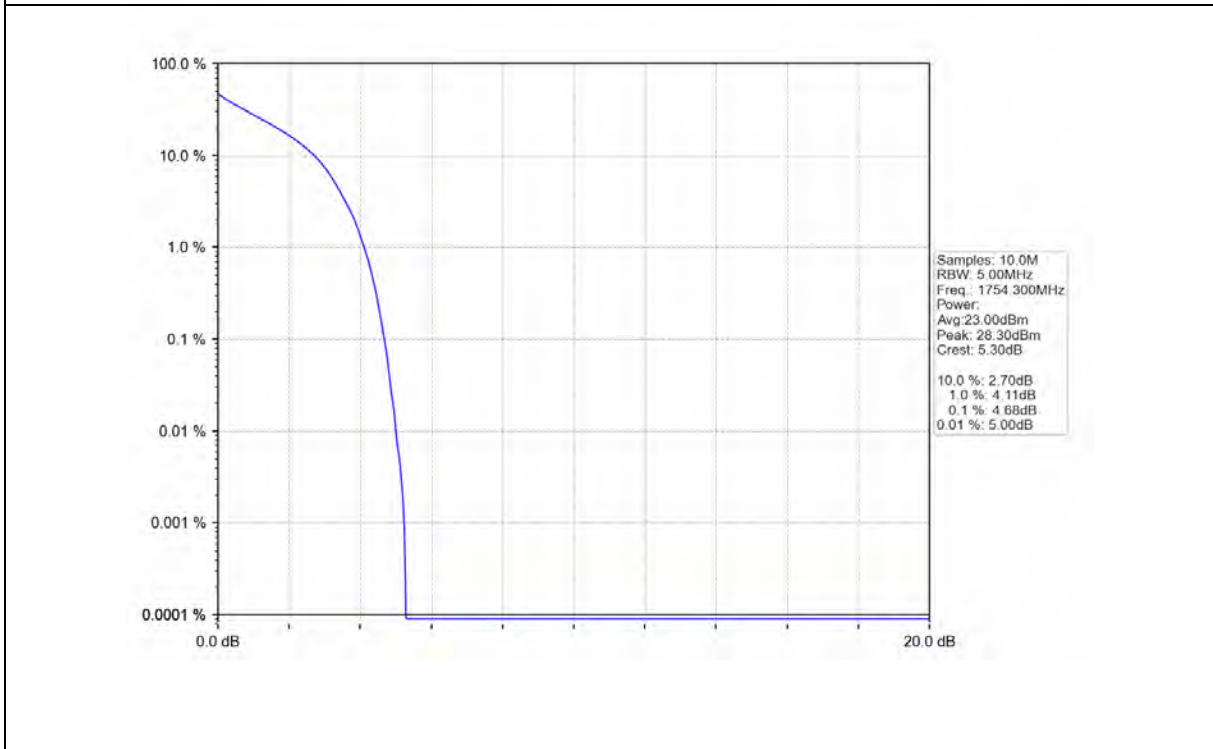
TEST RESULT

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.54	<=13	Pass
	1732.5	6	0	5.31	<=13	Pass
	1754.3	6	0	4.68	<=13	Pass
16QAM	1710.7	6	0	5.42	<=13	Pass
	1732.5	6	0	6.12	<=13	Pass
	1754.3	6	0	5.50	<=13	Pass
64QAM	1710.7	6	0	5.30	<=13	Pass
	1732.5	6	0	6.30	<=13	Pass
	1754.3	6	0	5.57	<=13	Pass

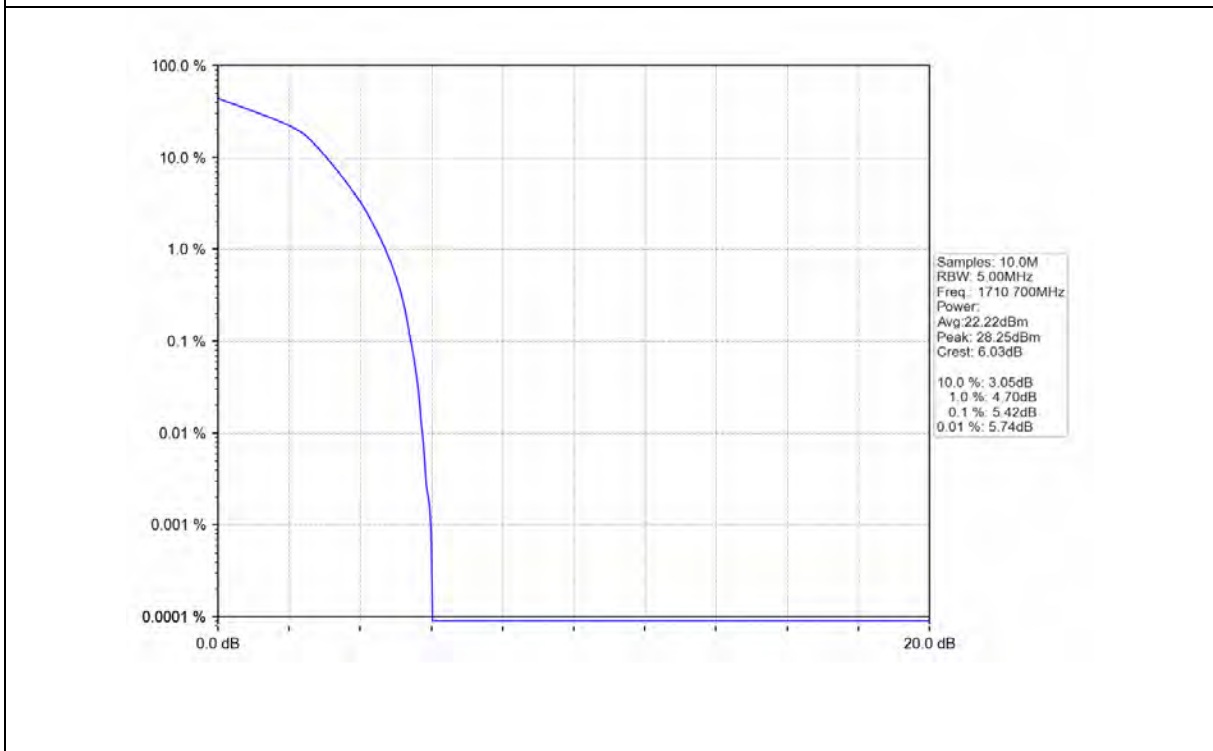
TEST GRAPH



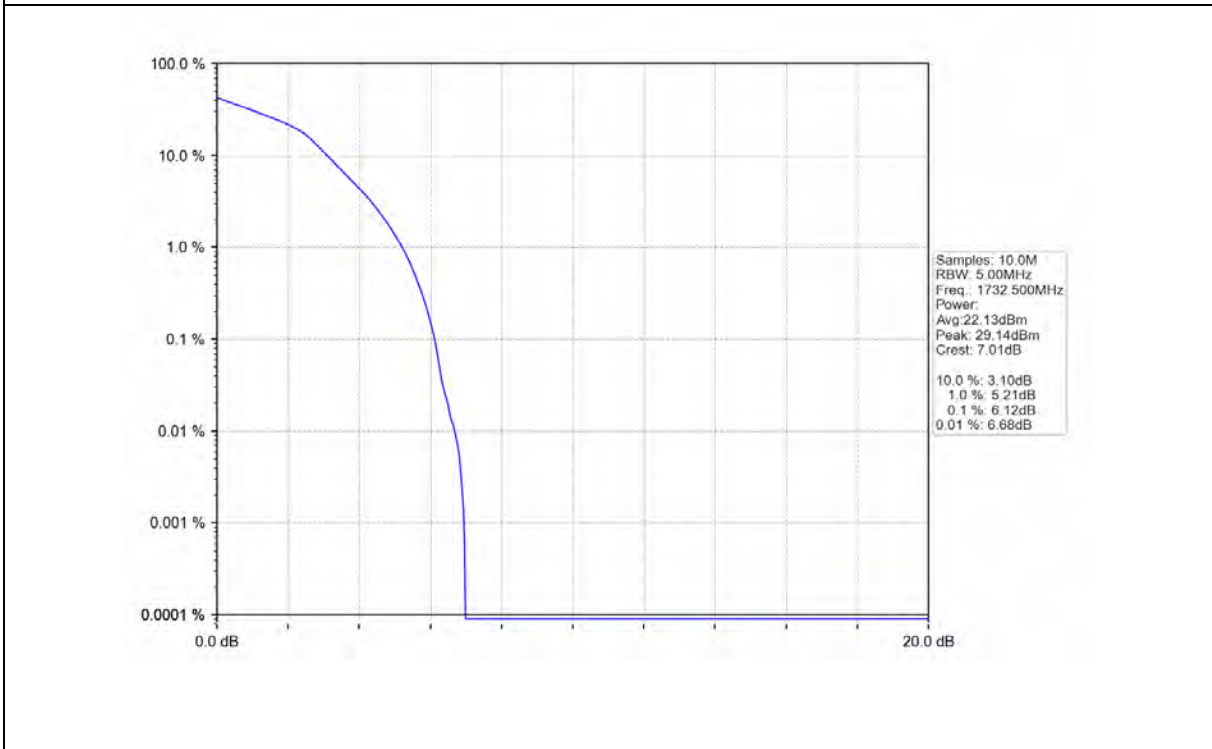
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



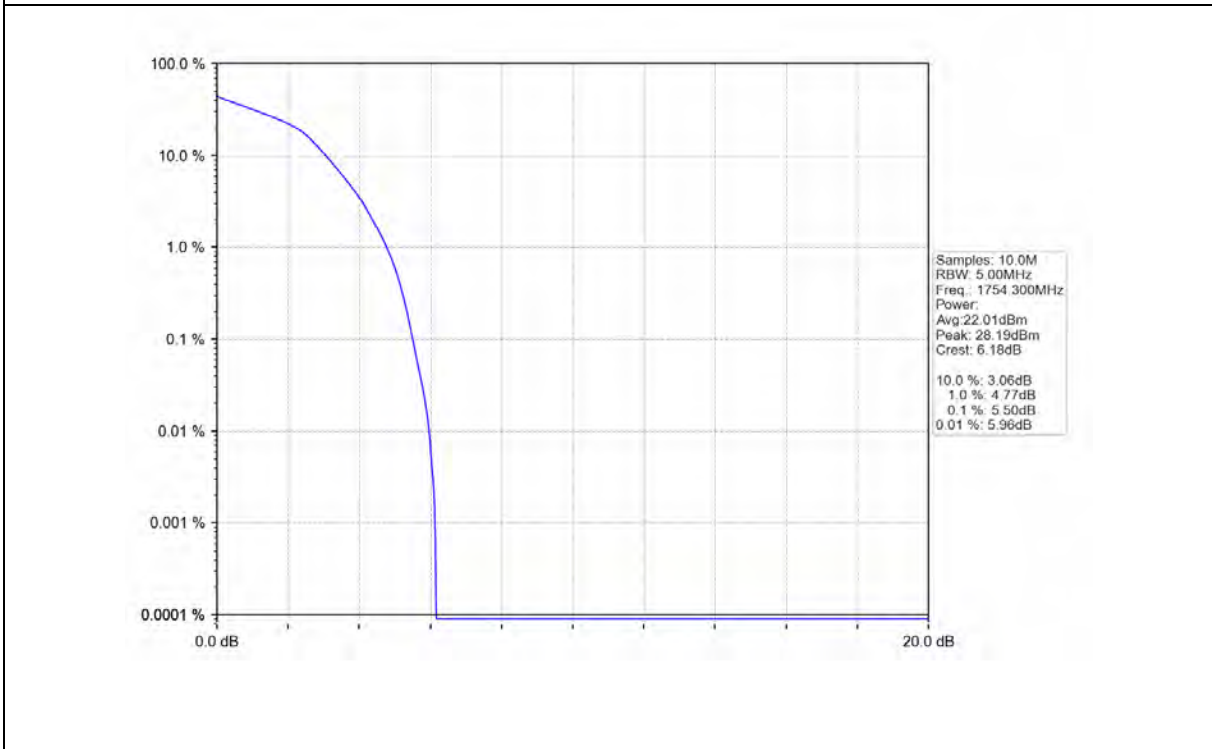
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



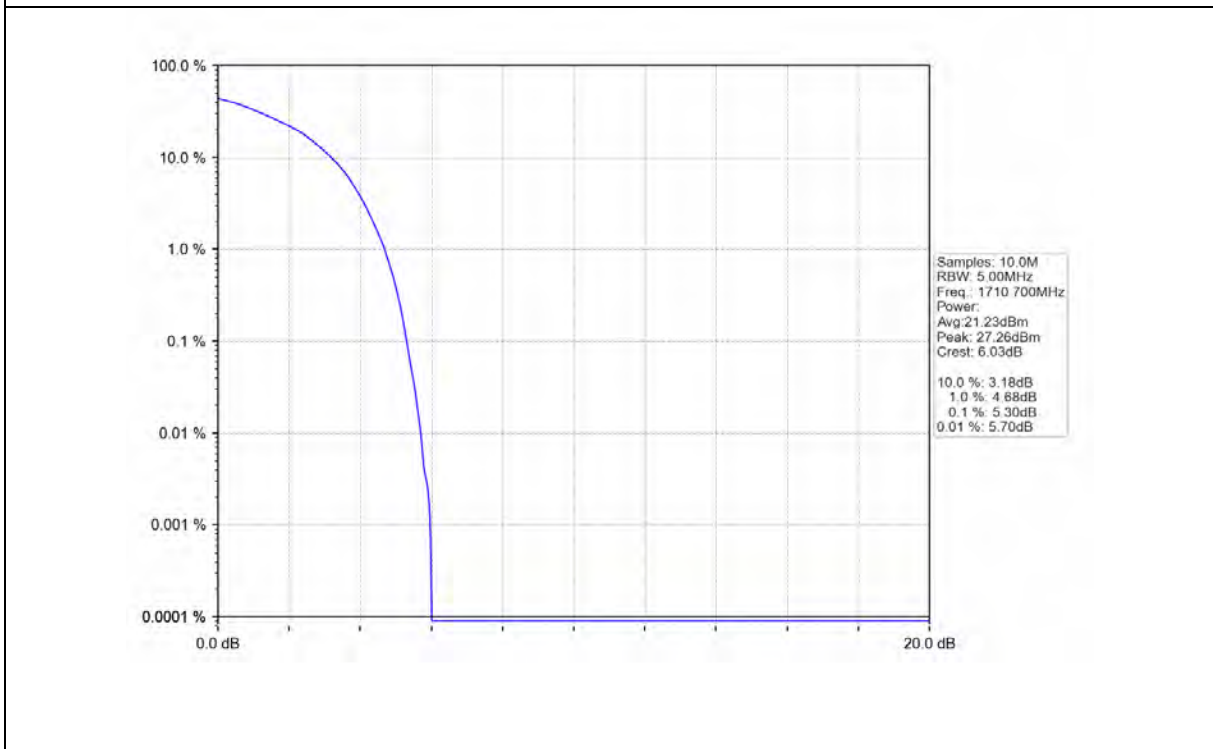
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



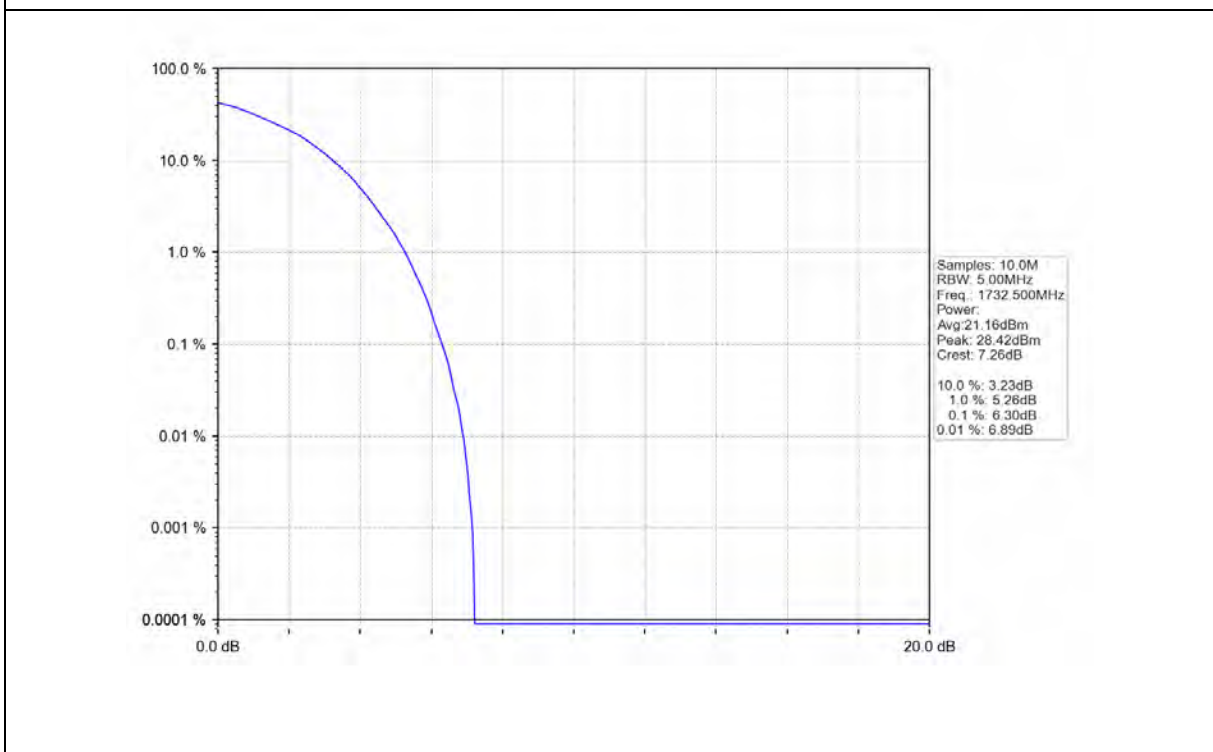
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV

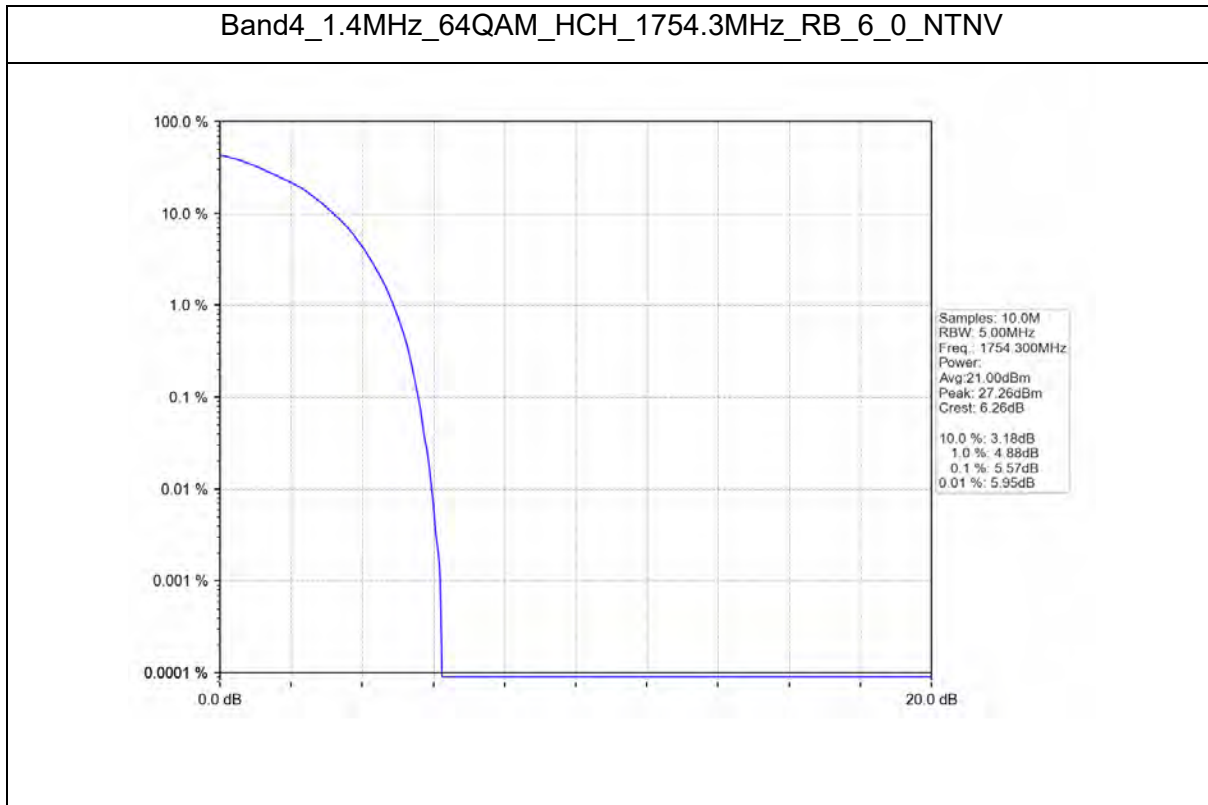


Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_6_0_NTNV





Test Report No.: W7L-P21100026RF15





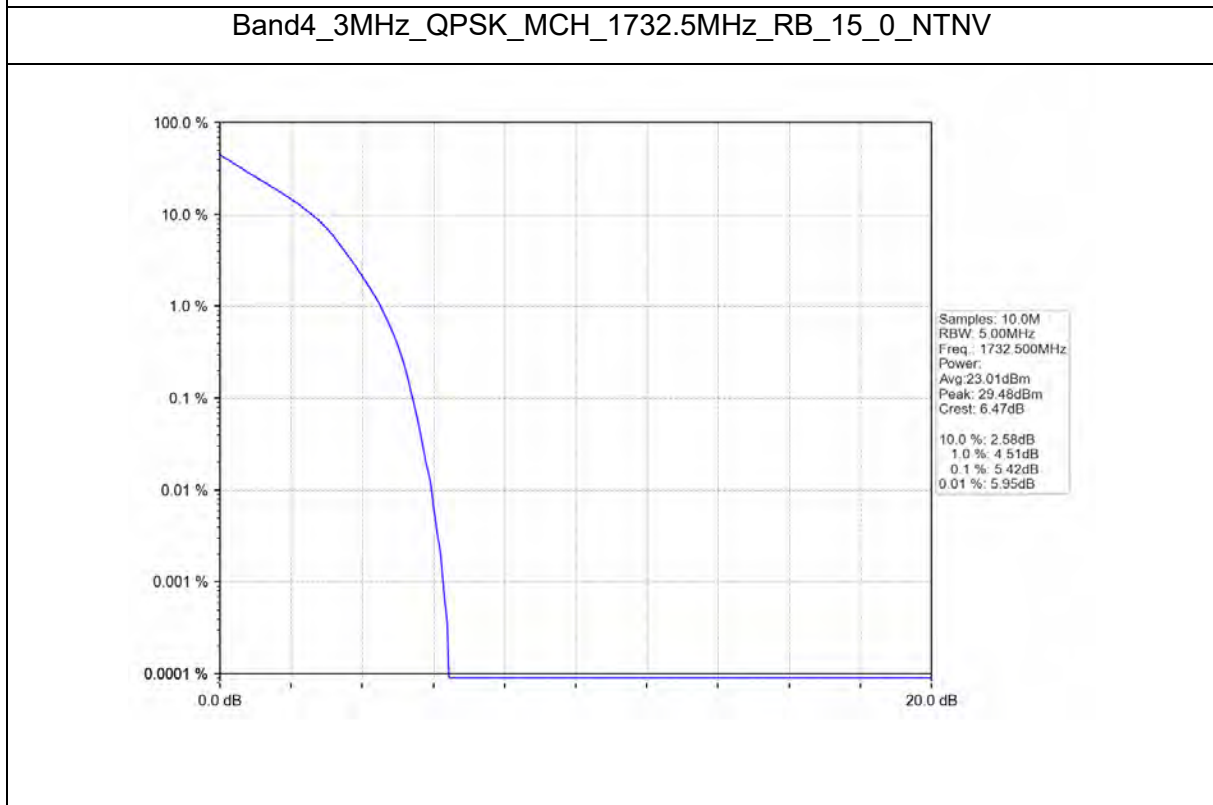
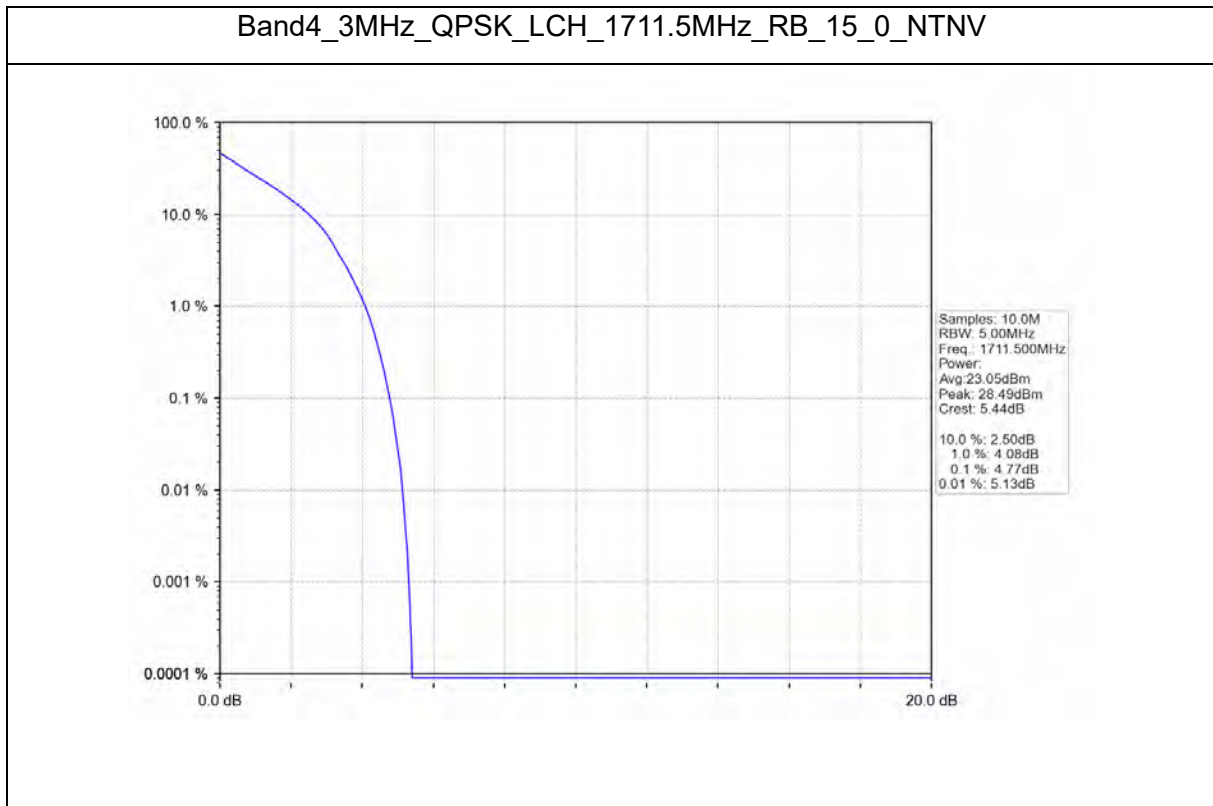
Test Report No.: W7L-P21100026RF15

B4_3MHZ

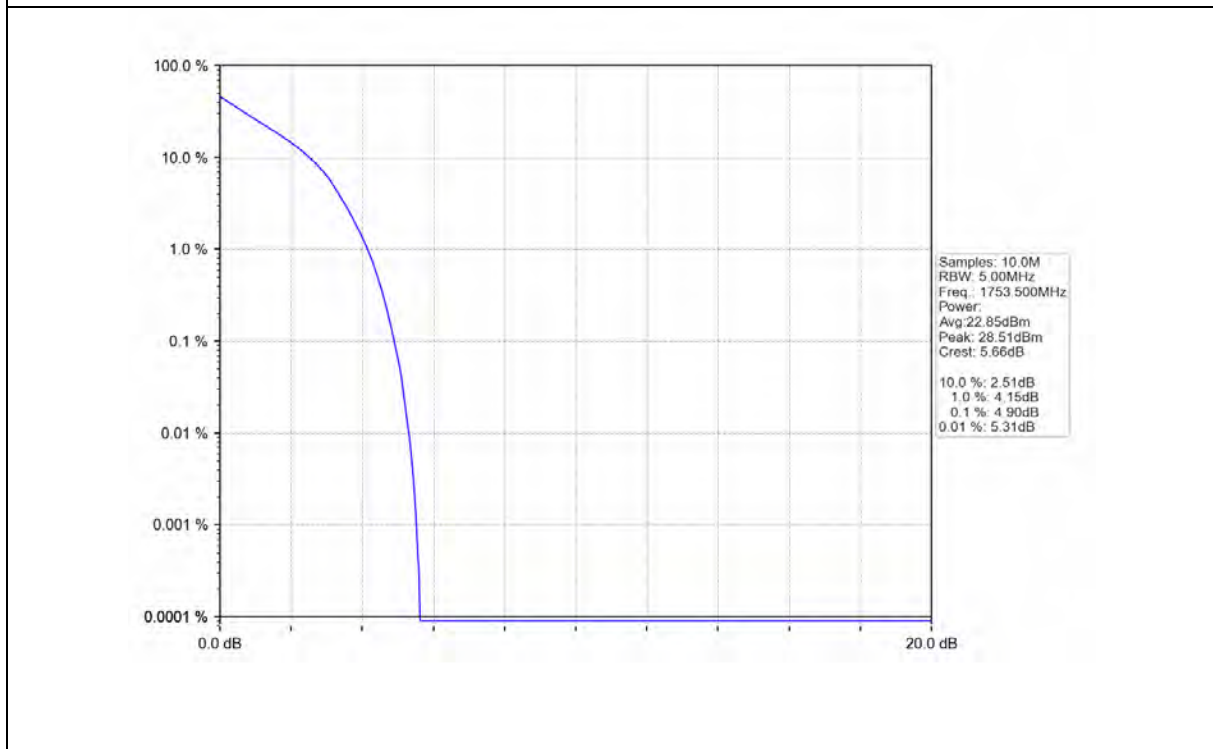
TEST RESULT

Band: 4 / Bandwidth: 3MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.77	<=13	Pass
	1732.5	15	0	5.42	<=13	Pass
	1753.5	15	0	4.90	<=13	Pass
16QAM	1711.5	15	0	5.64	<=13	Pass
	1732.5	15	0	6.24	<=13	Pass
	1753.5	15	0	5.74	<=13	Pass
64QAM	1711.5	15	0	5.60	<=13	Pass
	1732.5	15	0	6.34	<=13	Pass
	1753.5	15	0	5.74	<=13	Pass

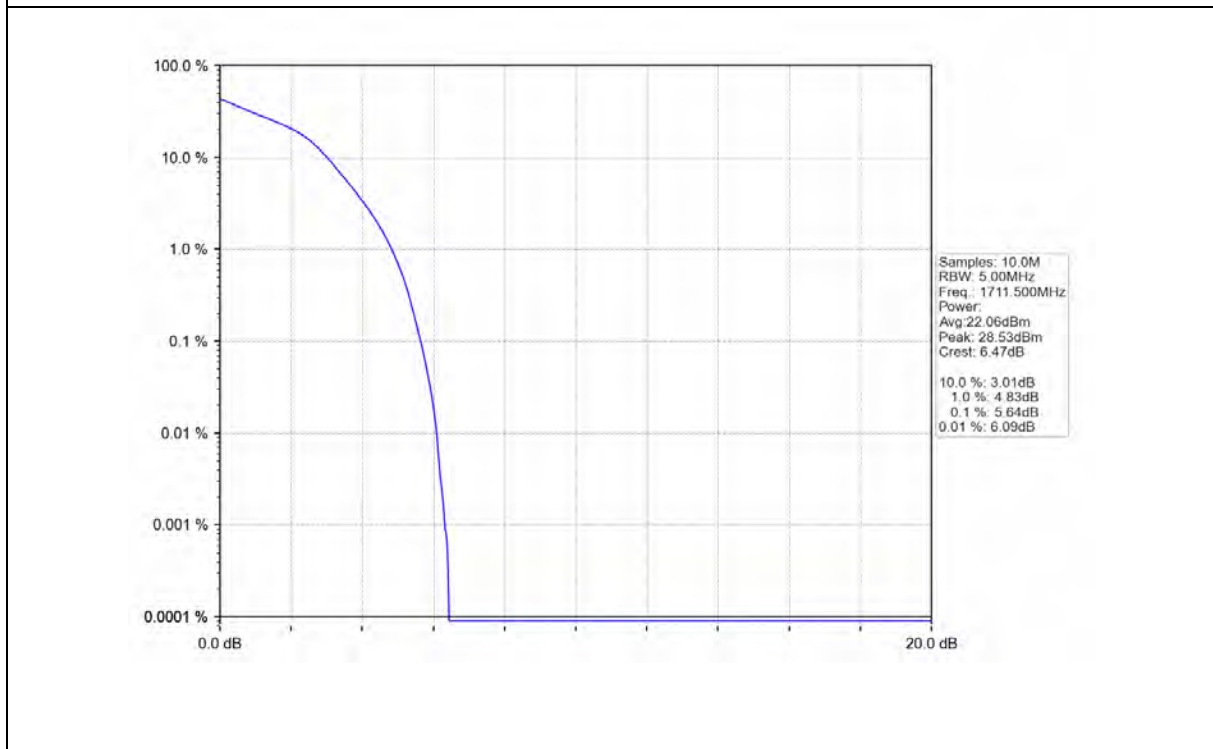
TEST GRAPH



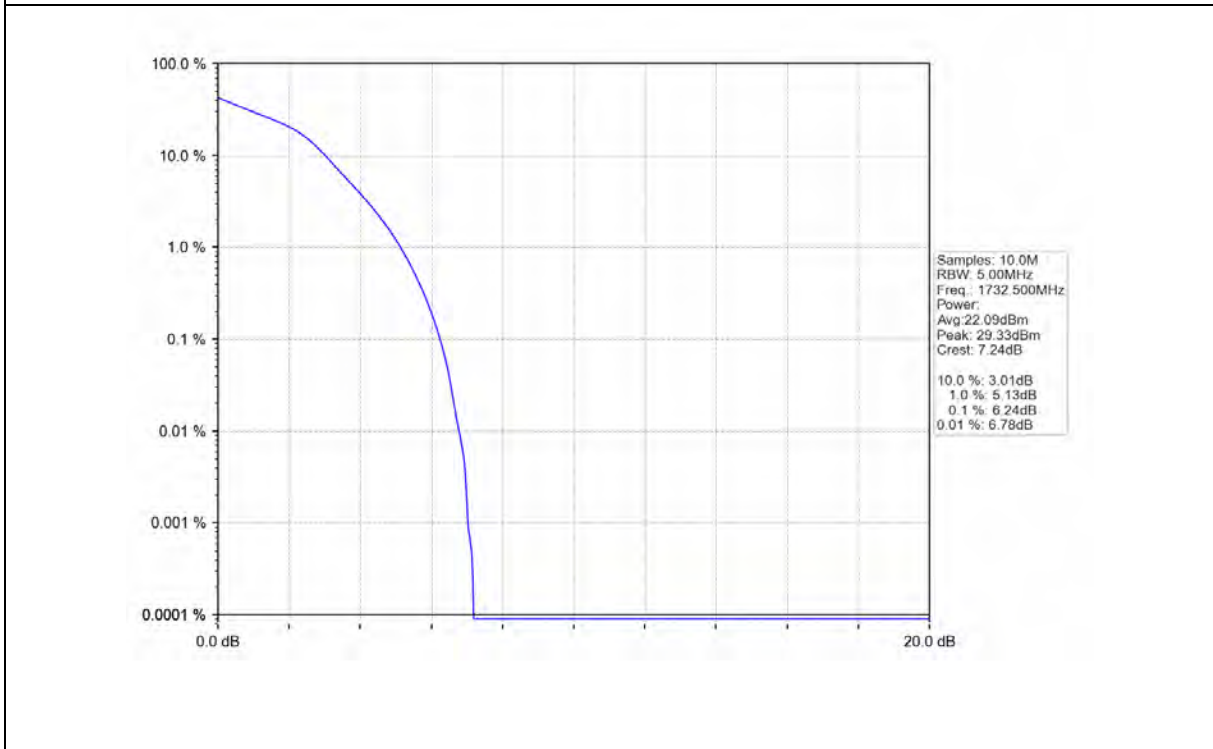
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



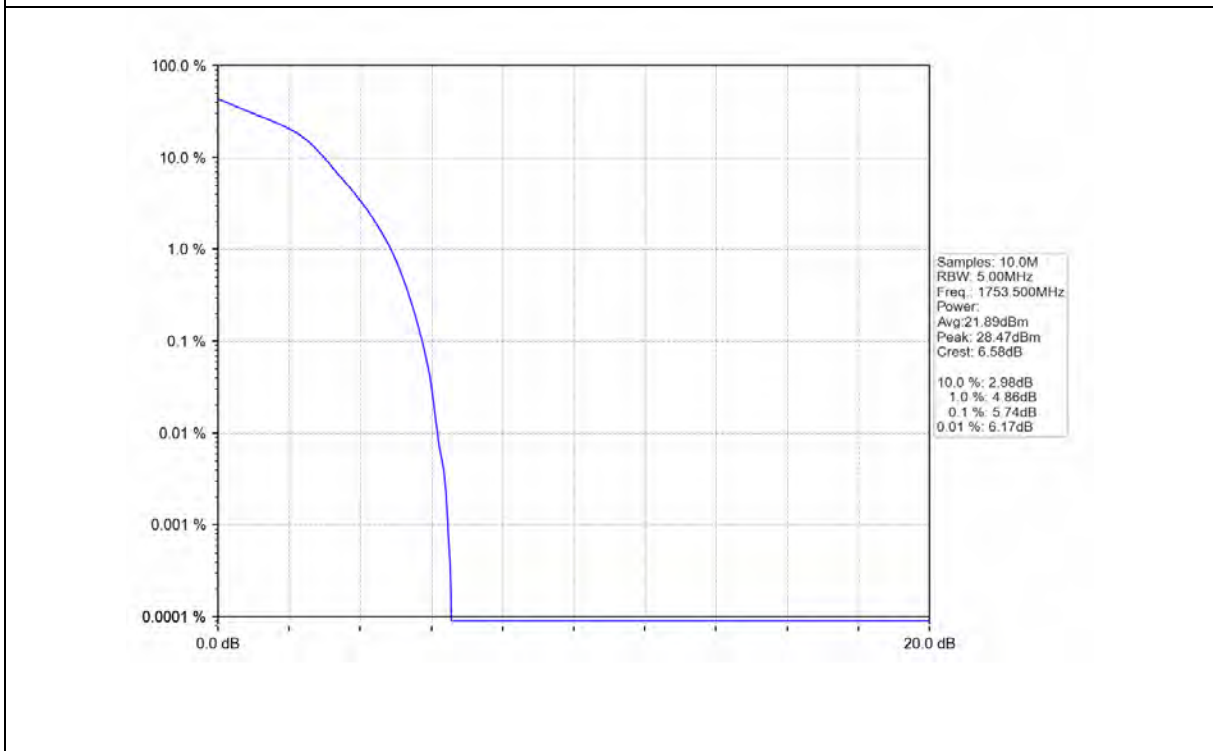
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



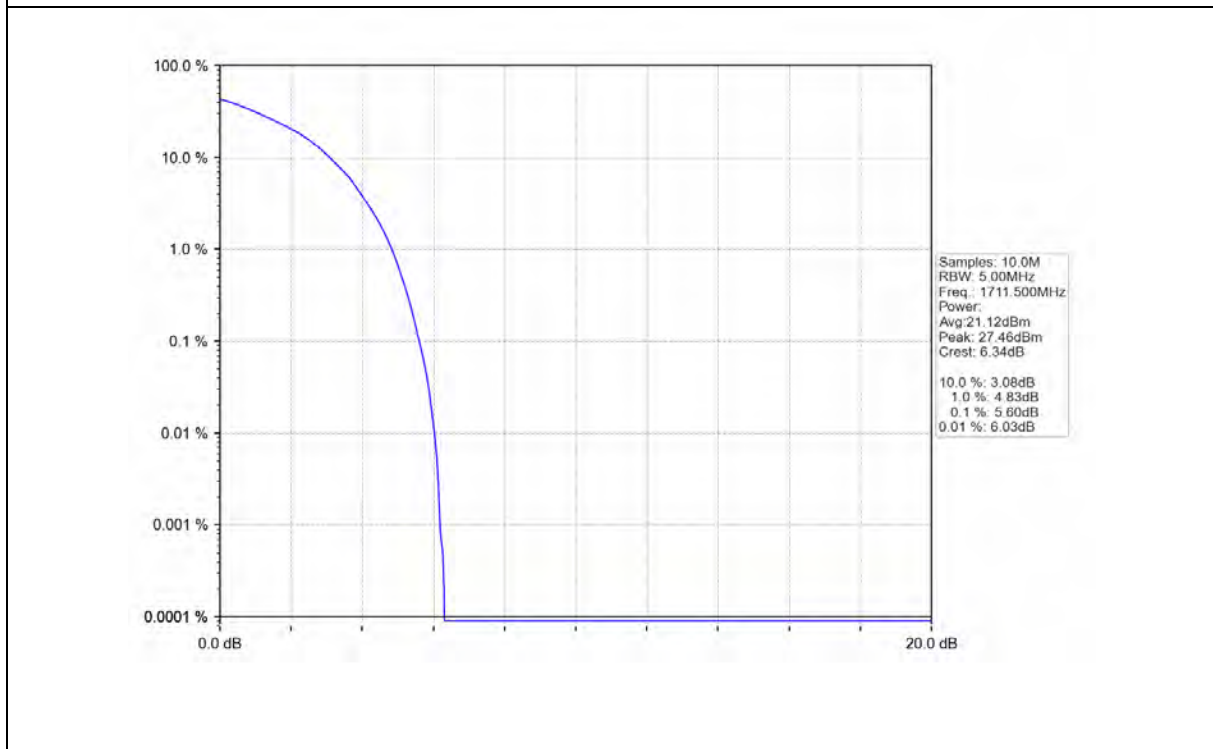
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



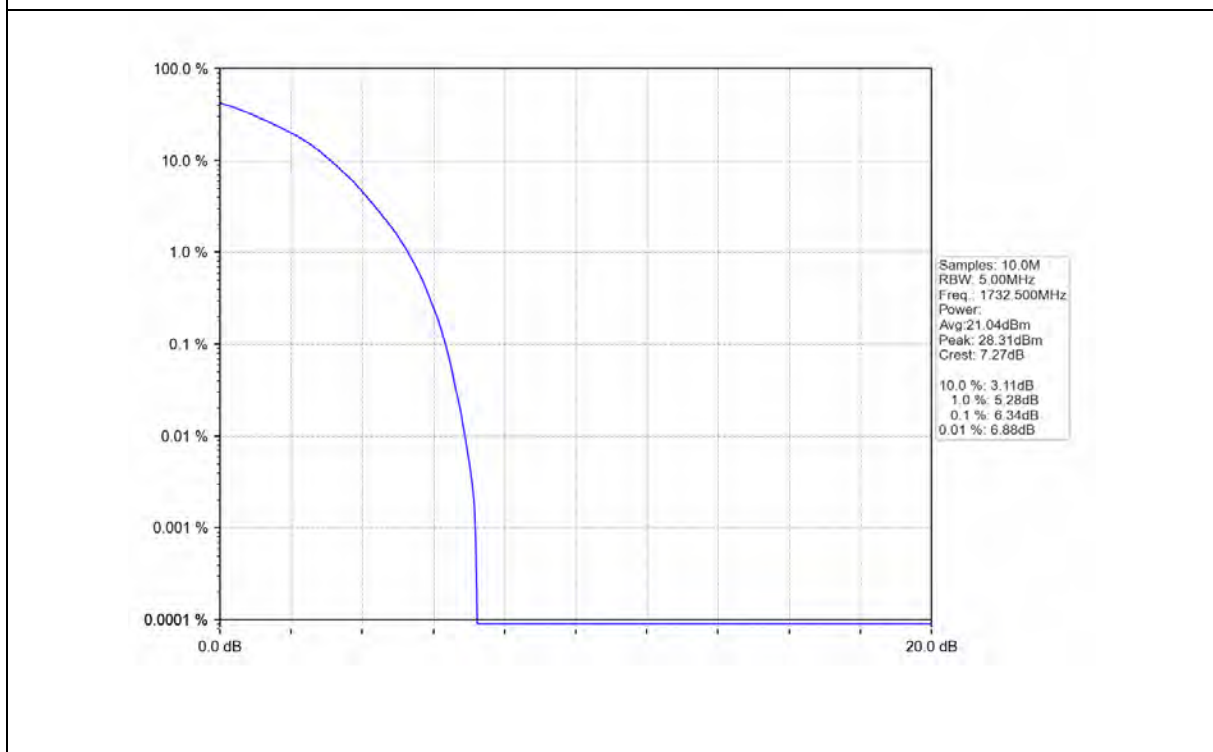
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV

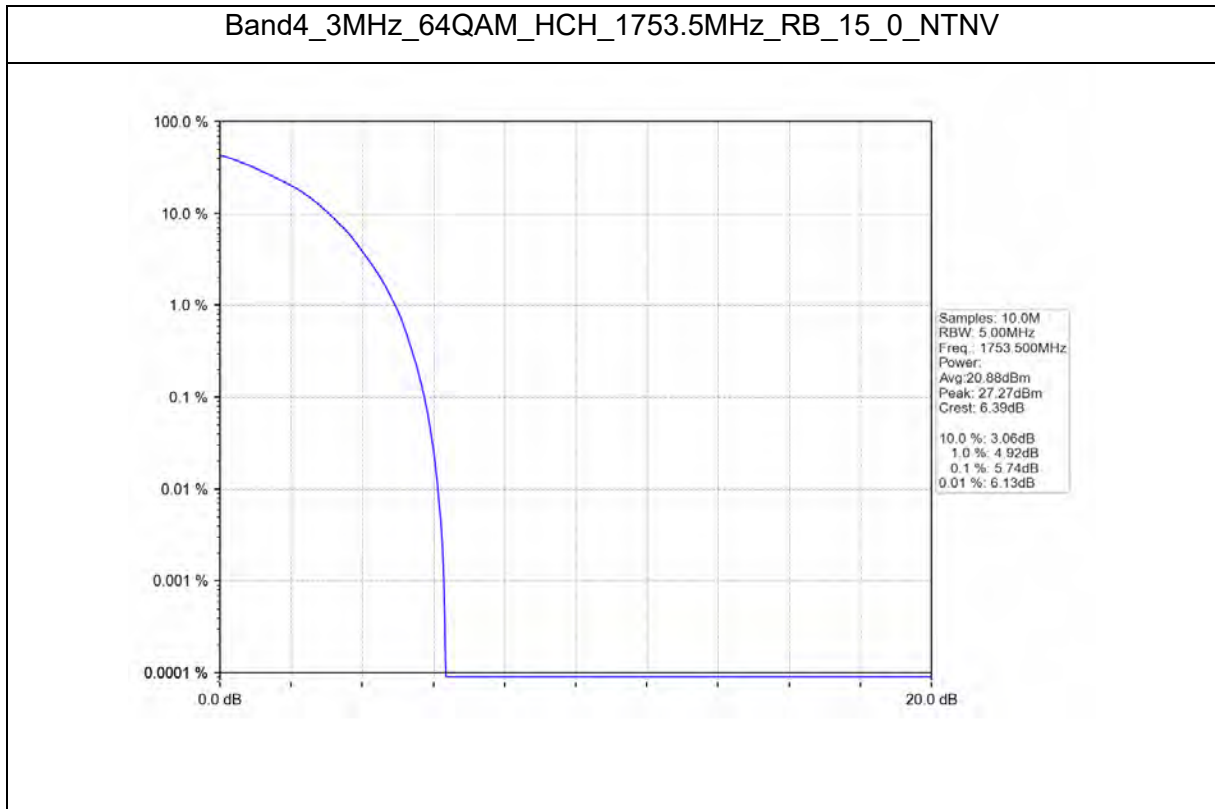


Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV





Test Report No.: W7L-P21100026RF15





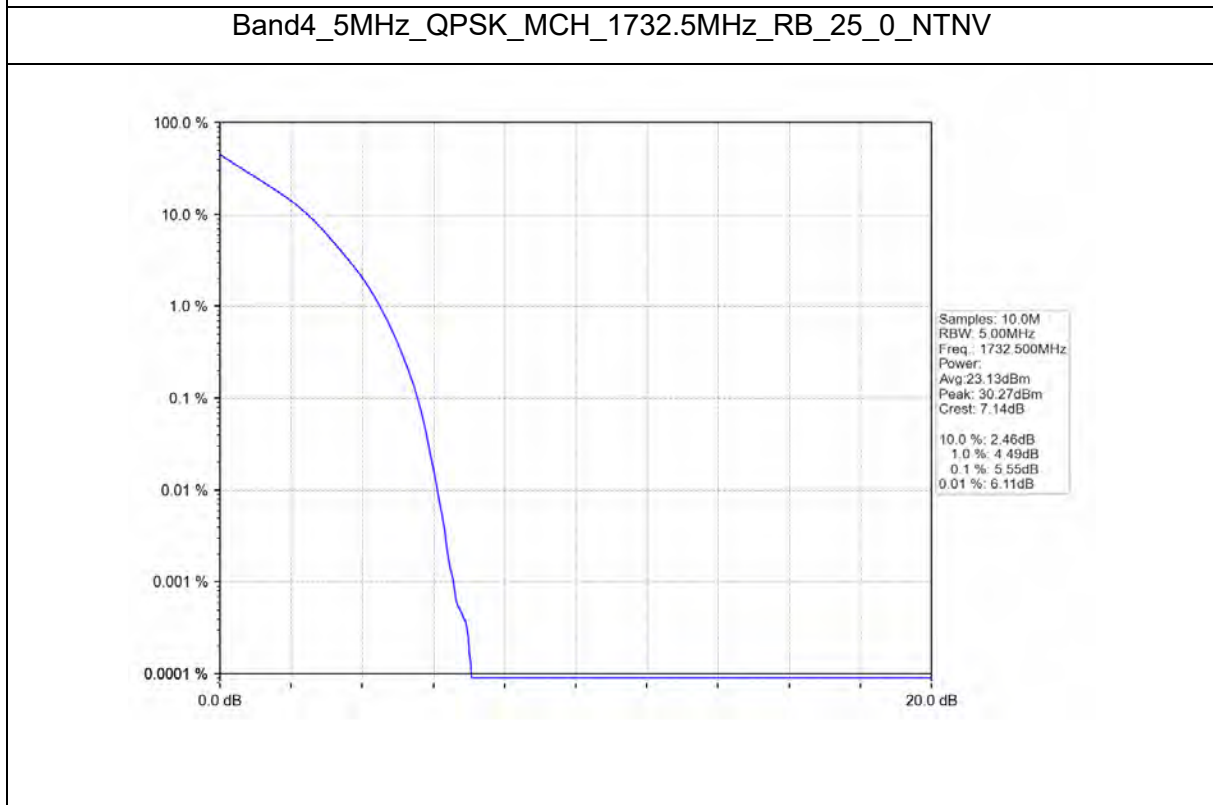
Test Report No.: W7L-P21100026RF15

B4_5MHZ

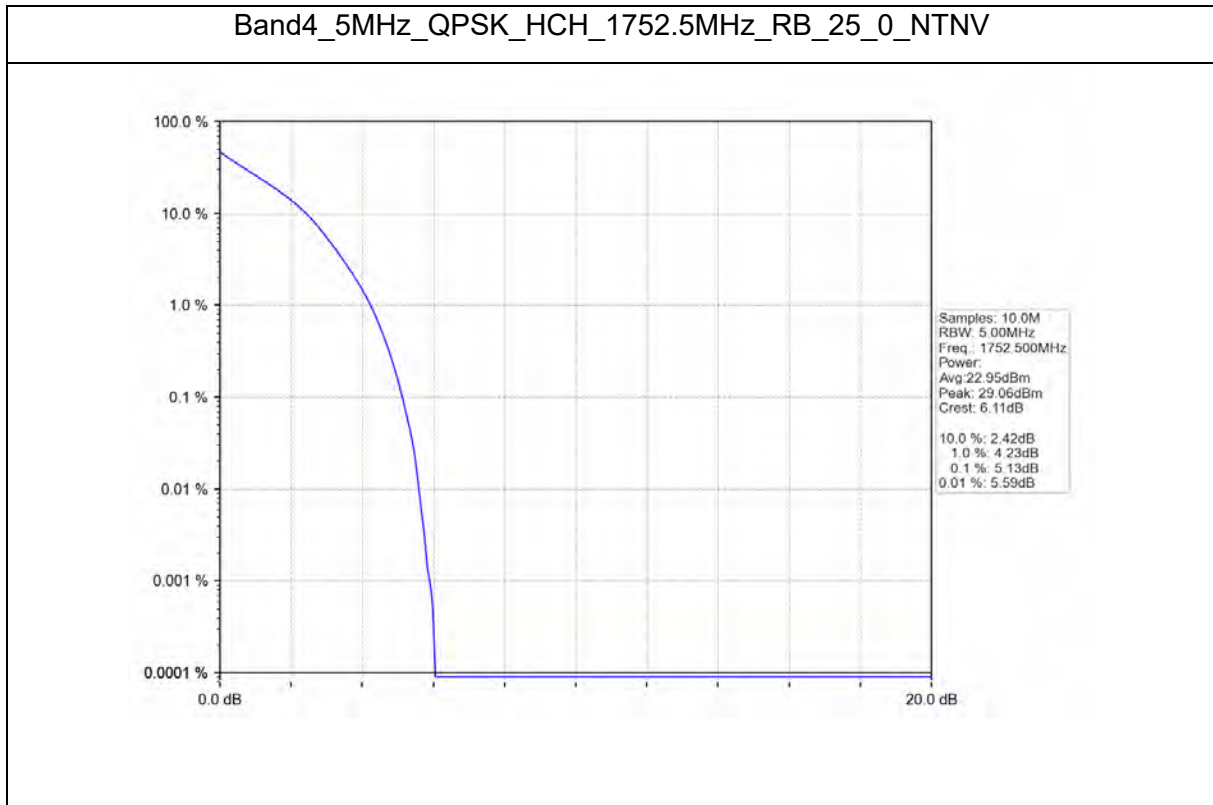
TEST RESULT

Band: 4 / Bandwidth: 5MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.10	<=13	Pass
	1732.5	25	0	5.55	<=13	Pass
	1752.5	25	0	5.13	<=13	Pass
16QAM	1712.5	25	0	5.82	<=13	Pass
	1732.5	25	0	6.29	<=13	Pass
	1752.5	25	0	5.87	<=13	Pass
64QAM	1712.5	25	0	5.83	<=13	Pass
	1732.5	25	0	6.35	<=13	Pass
	1752.5	25	0	5.94	<=13	Pass

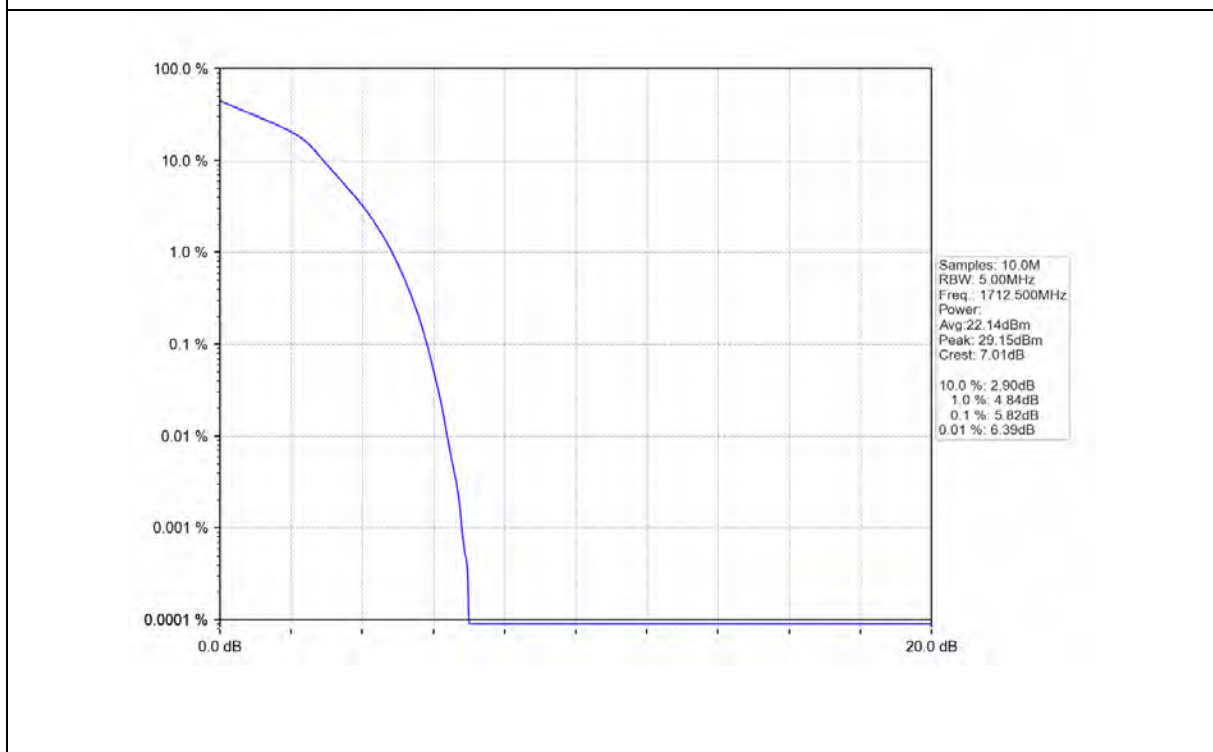
TEST GRAPH

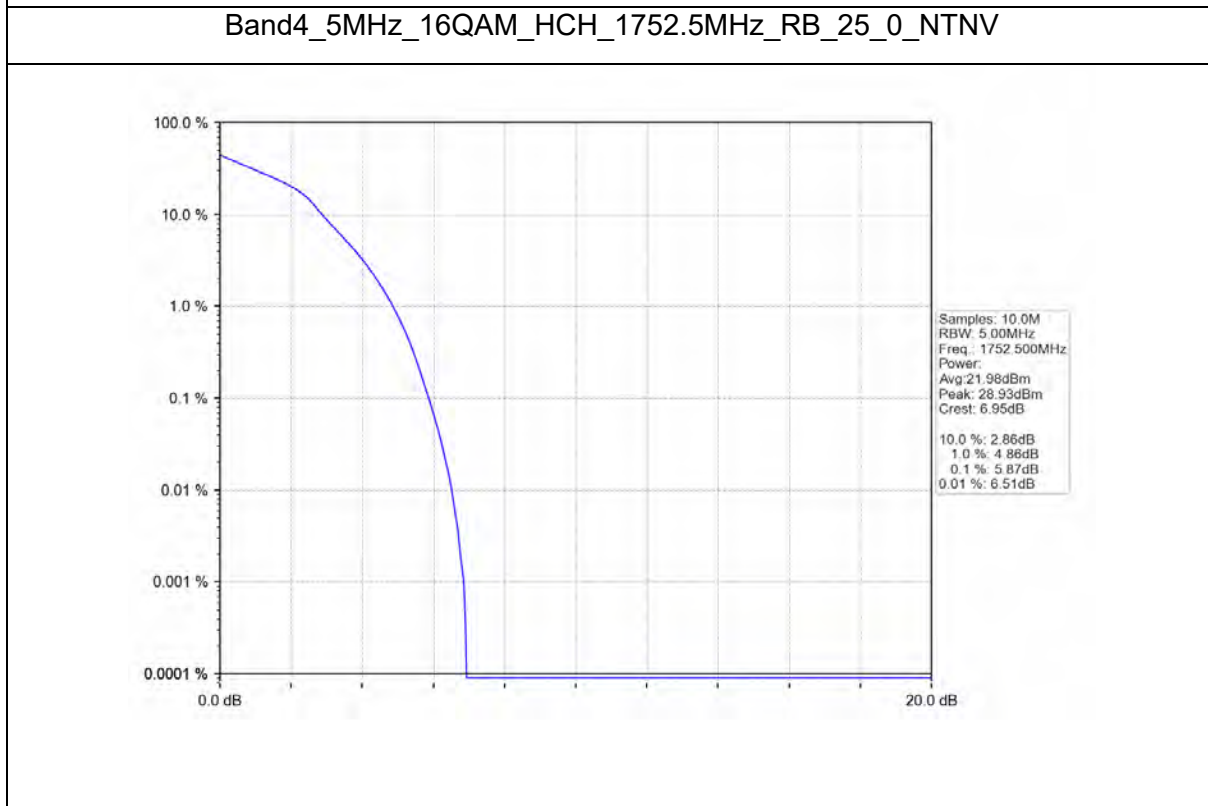
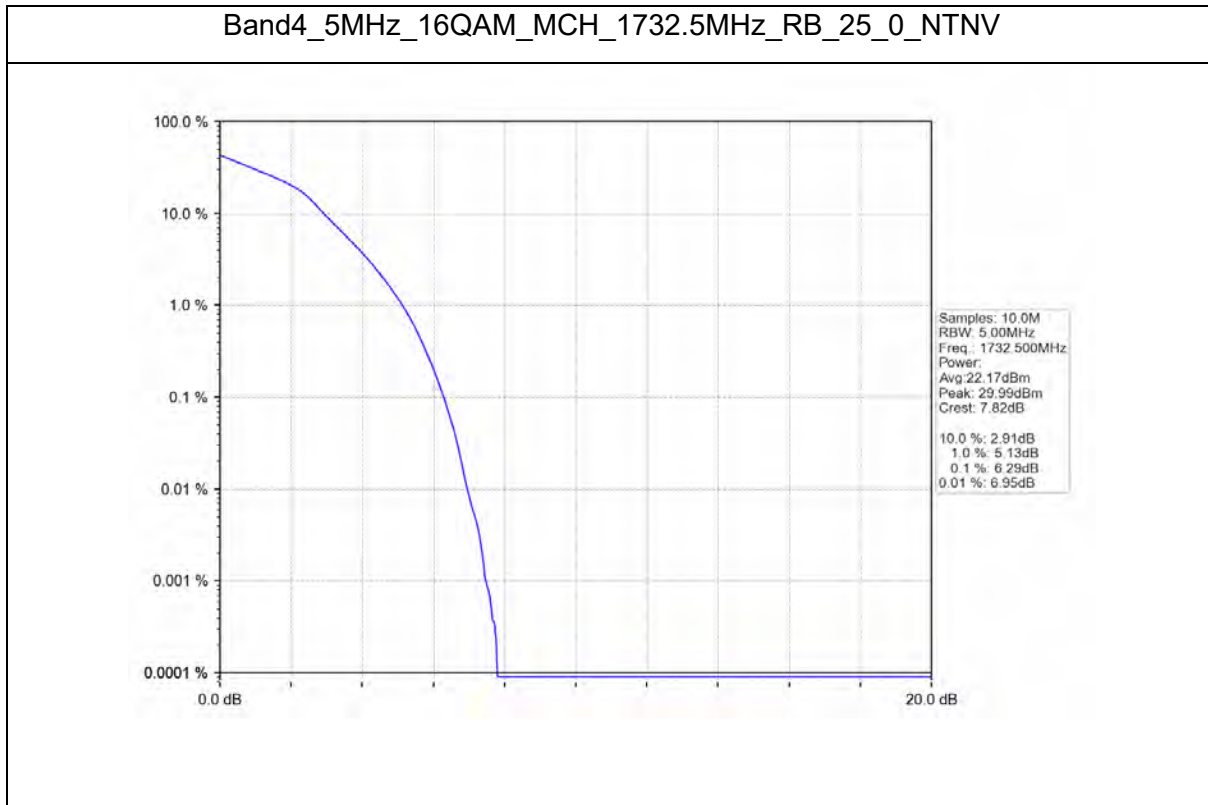


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

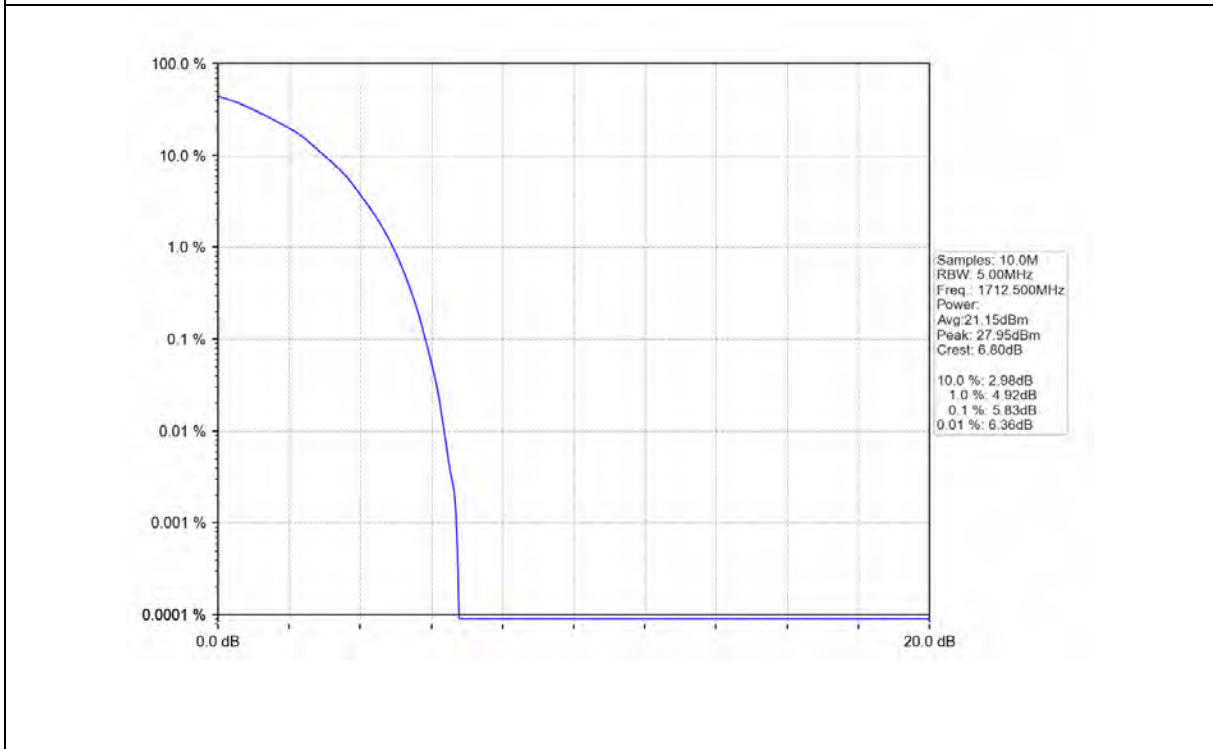


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

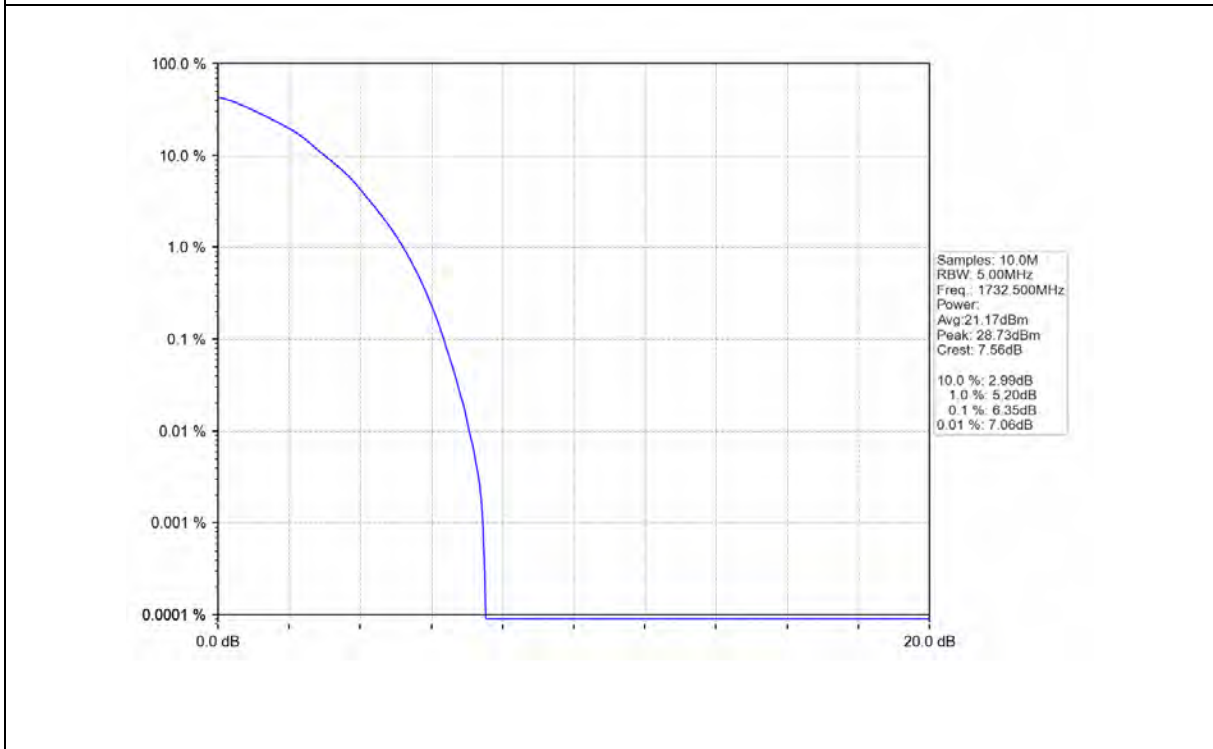




Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV

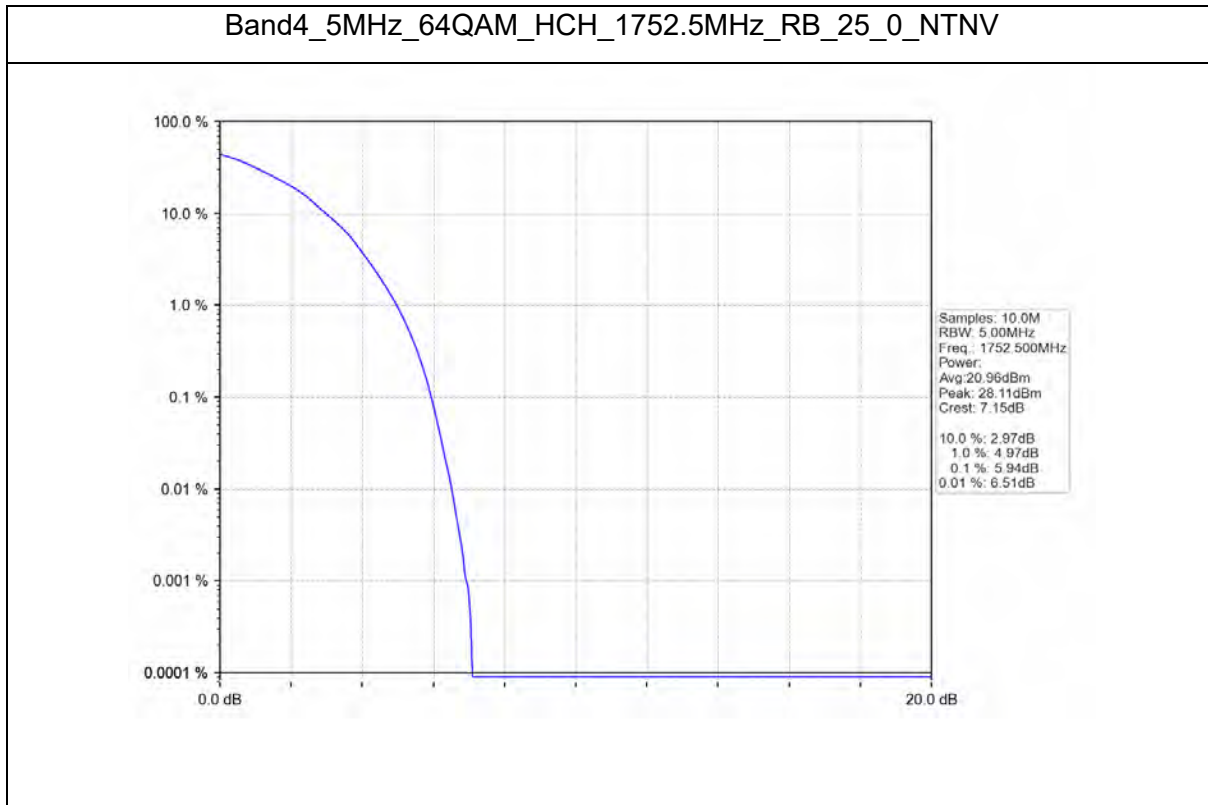


Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV





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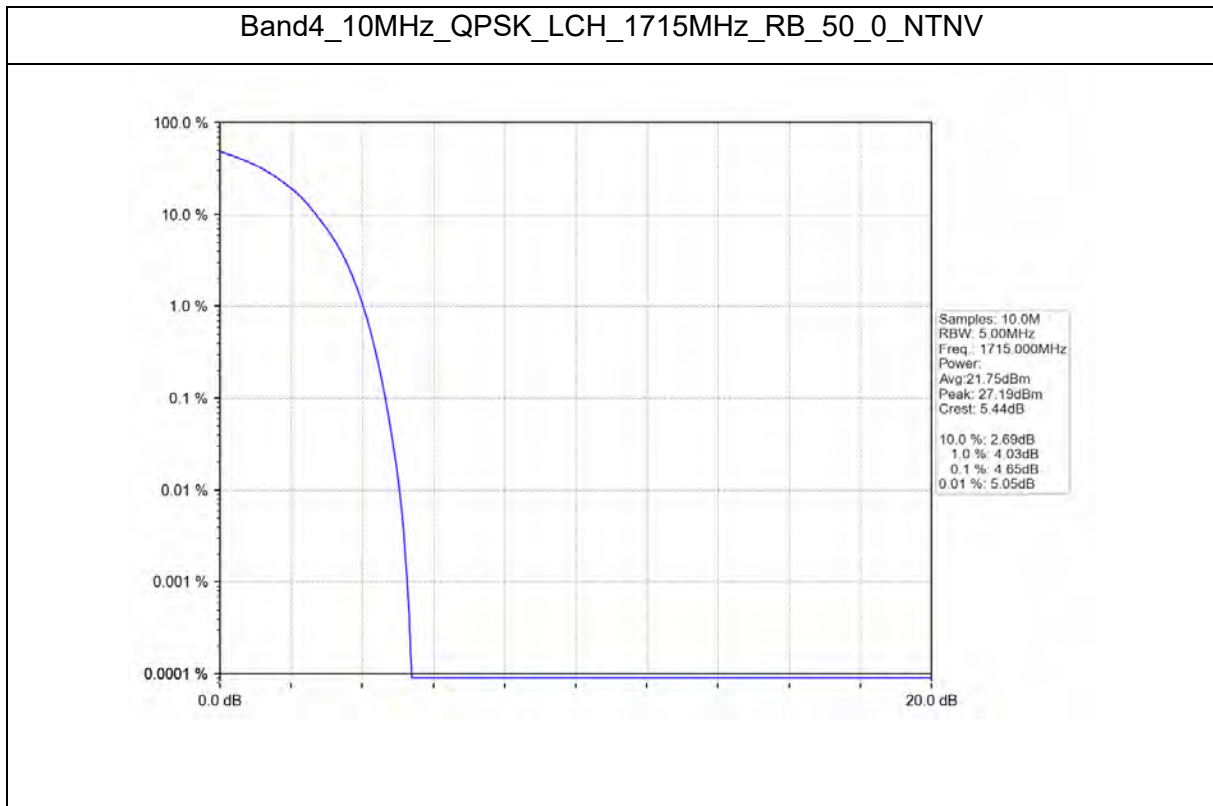
Test Report No.: W7L-P21100026RF15

B4_10MHZ

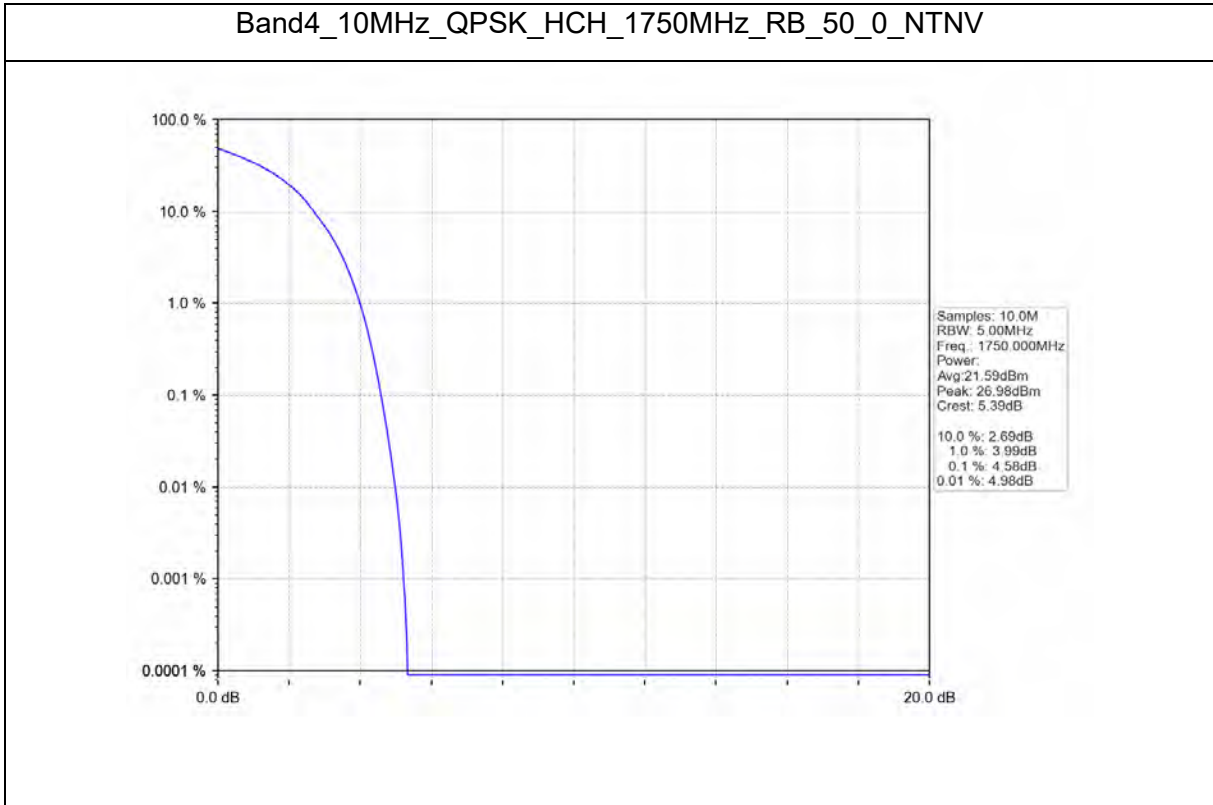
TEST RESULT

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	4.65	<=13	Pass
	1732.5	50	0	4.65	<=13	Pass
	1750	50	0	4.58	<=13	Pass
16QAM	1715	50	0	6.06	<=13	Pass
	1732.5	50	0	6.11	<=13	Pass
	1750	50	0	6.06	<=13	Pass
64QAM	1715	50	0	6.25	<=13	Pass
	1732.5	50	0	6.38	<=13	Pass
	1750	50	0	6.27	<=13	Pass

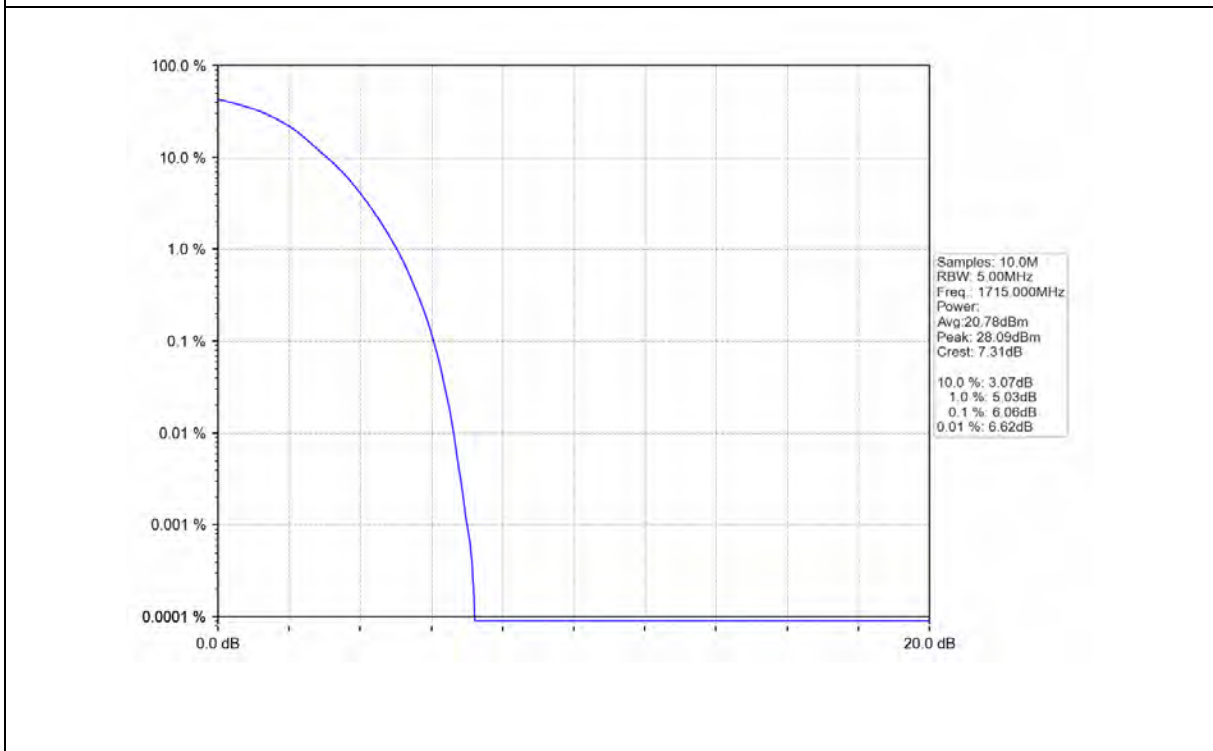
TEST GRAPH



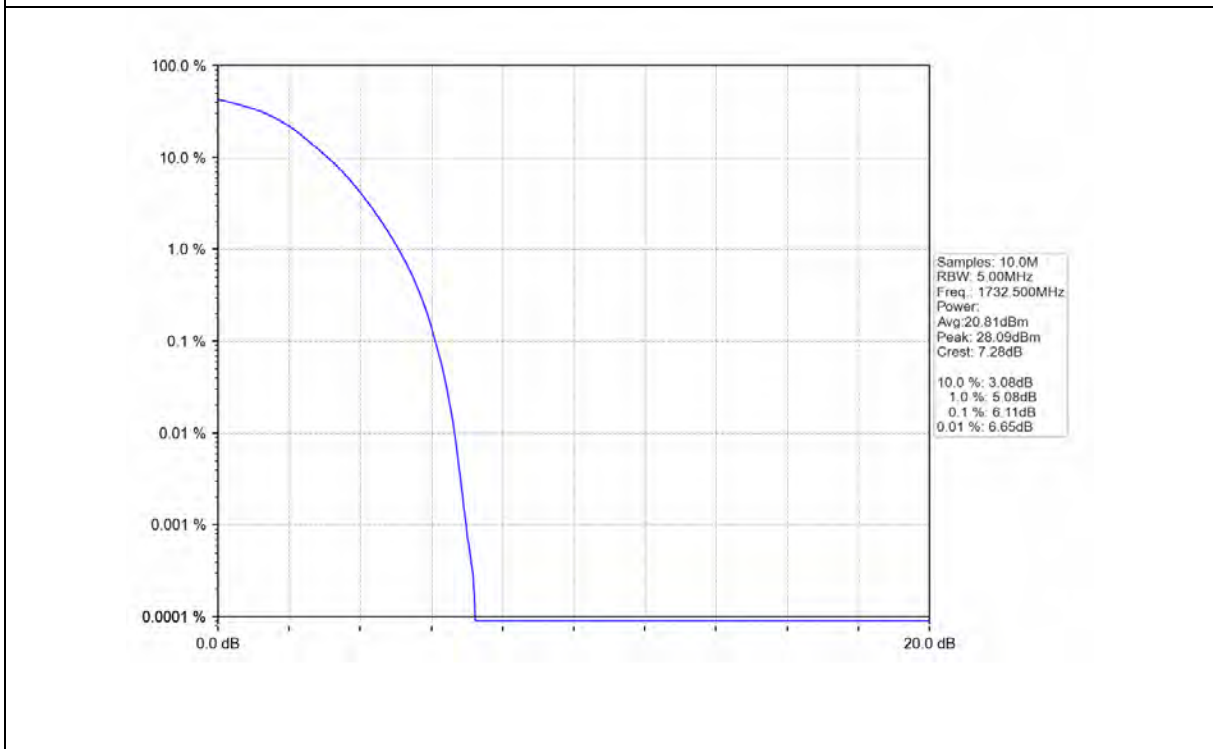
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



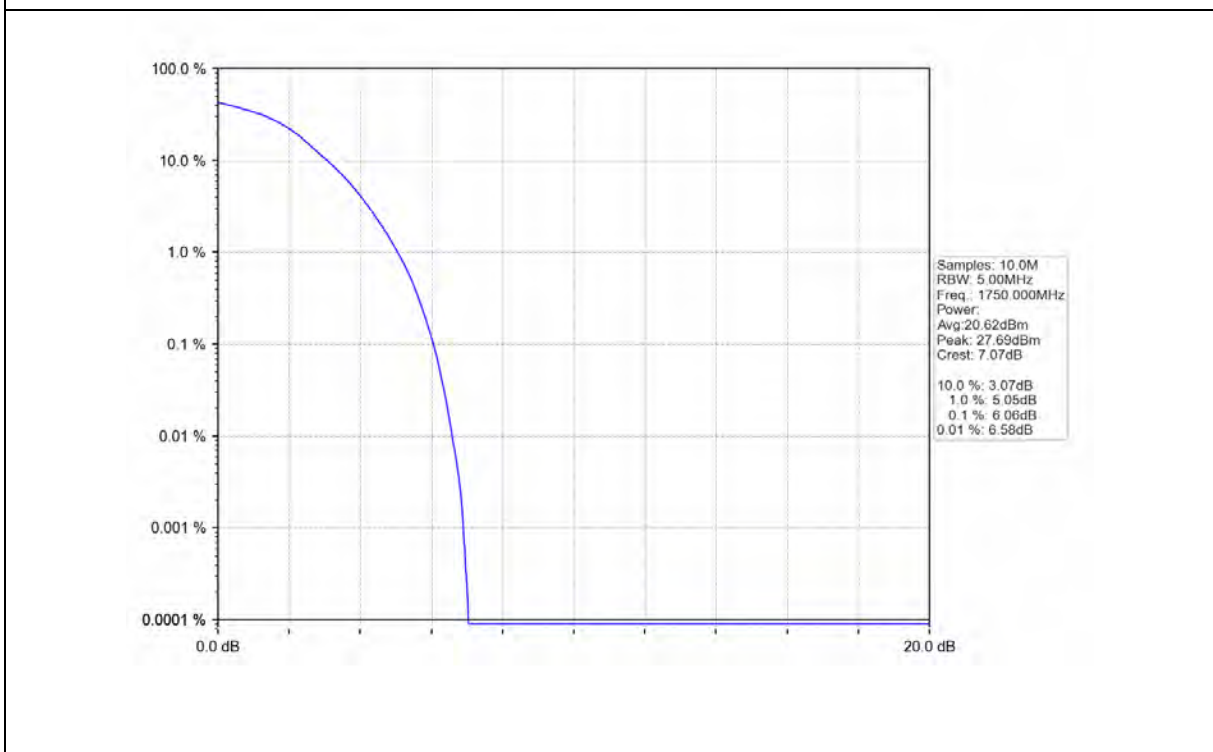
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



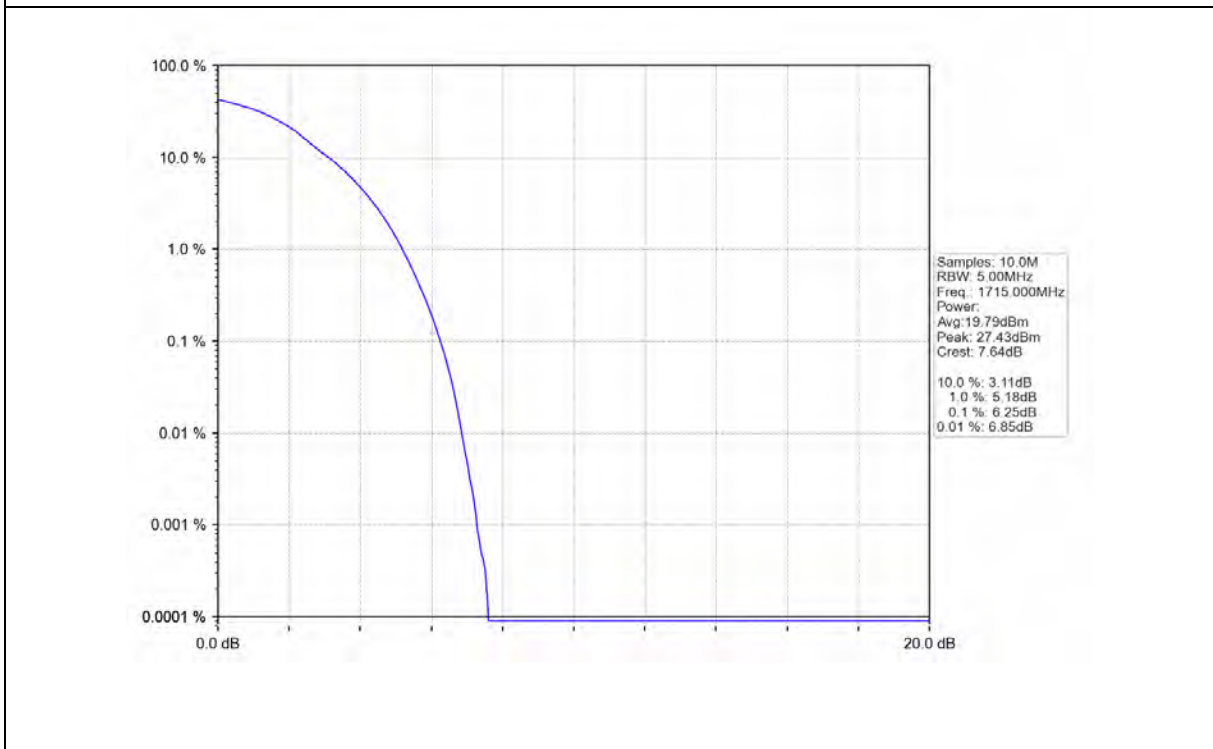
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



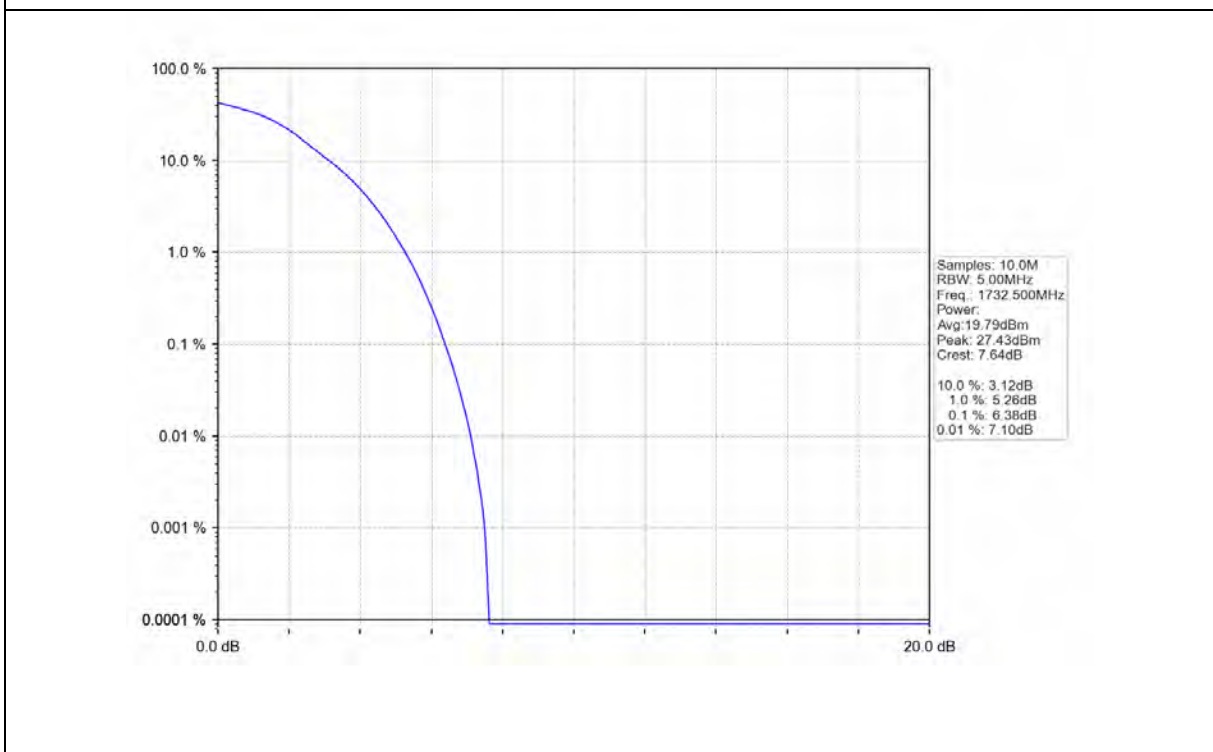
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV

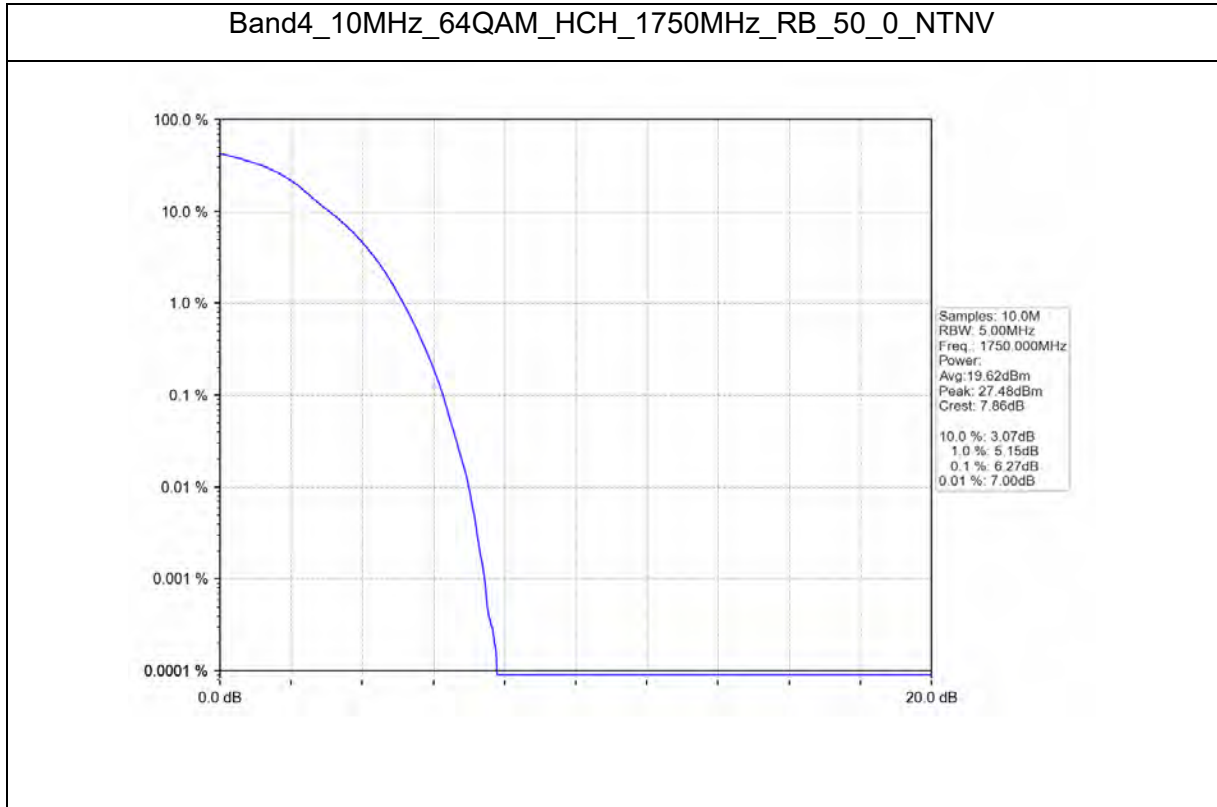


Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV





Test Report No.: W7L-P21100026RF15





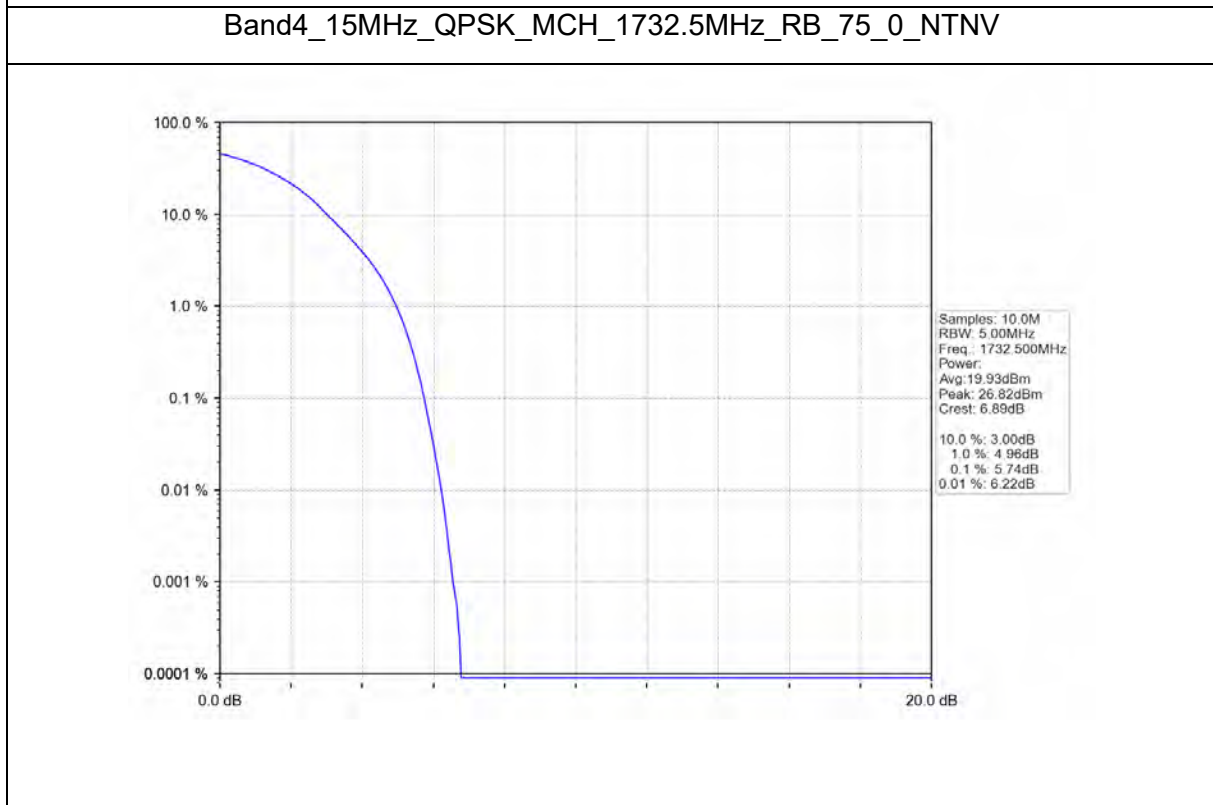
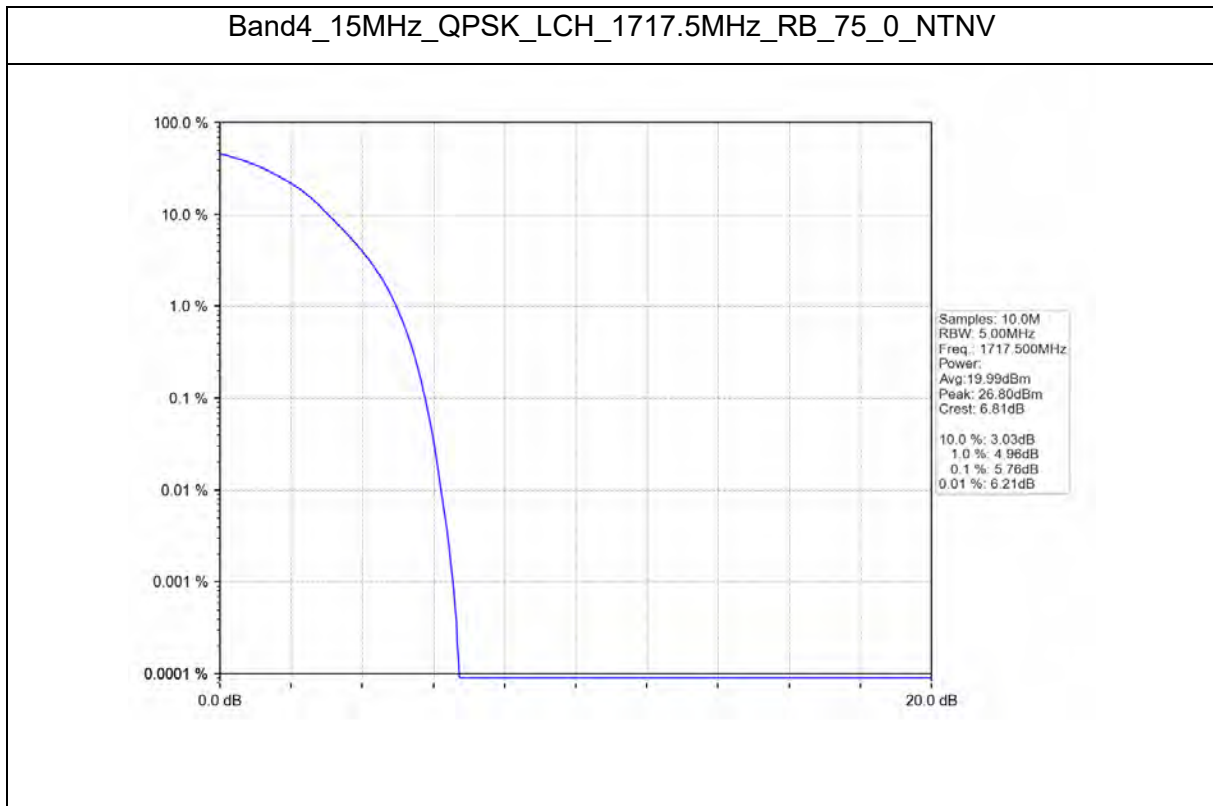
Test Report No.: W7L-P21100026RF15

B4_15MHZ

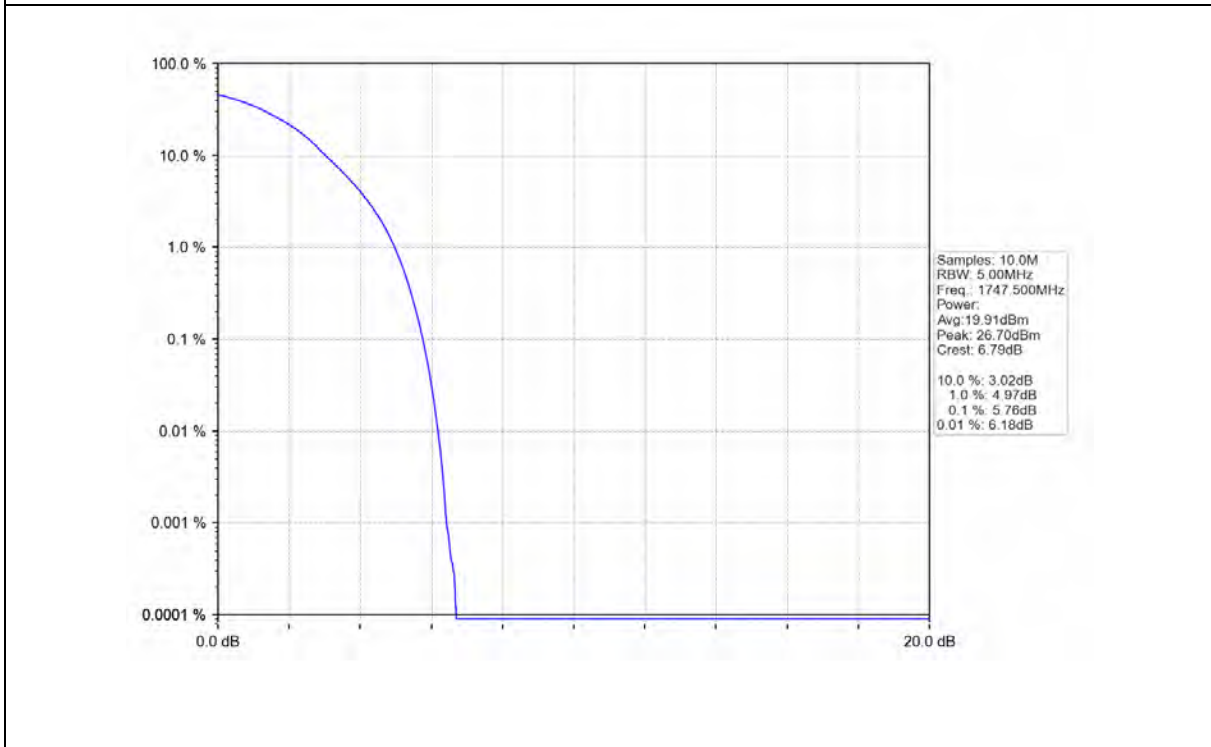
TEST RESULT

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.76	<=13	Pass
	1732.5	75	0	5.74	<=13	Pass
	1747.5	75	0	5.76	<=13	Pass
16QAM	1717.5	75	0	6.77	<=13	Pass
	1732.5	75	0	6.86	<=13	Pass
	1747.5	75	0	6.85	<=13	Pass
64QAM	1717.5	75	0	7.00	<=13	Pass
	1732.5	75	0	6.99	<=13	Pass
	1747.5	75	0	6.89	<=13	Pass

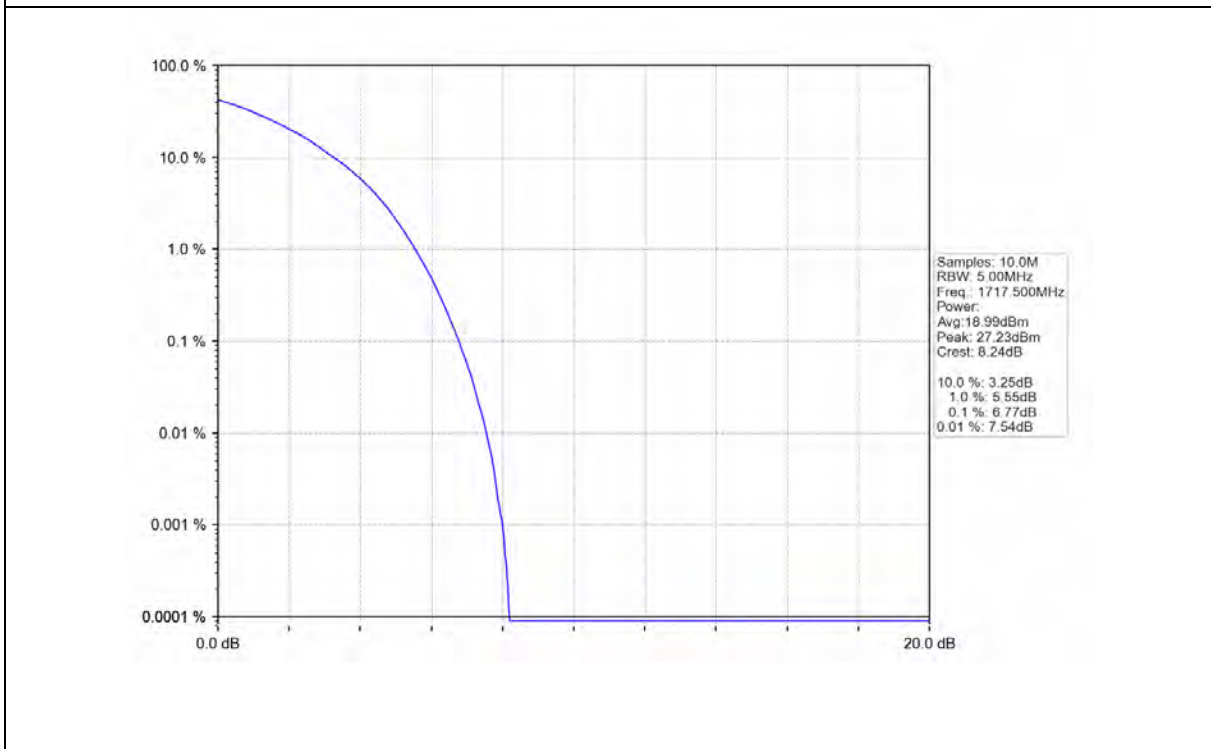
TEST GRAPH



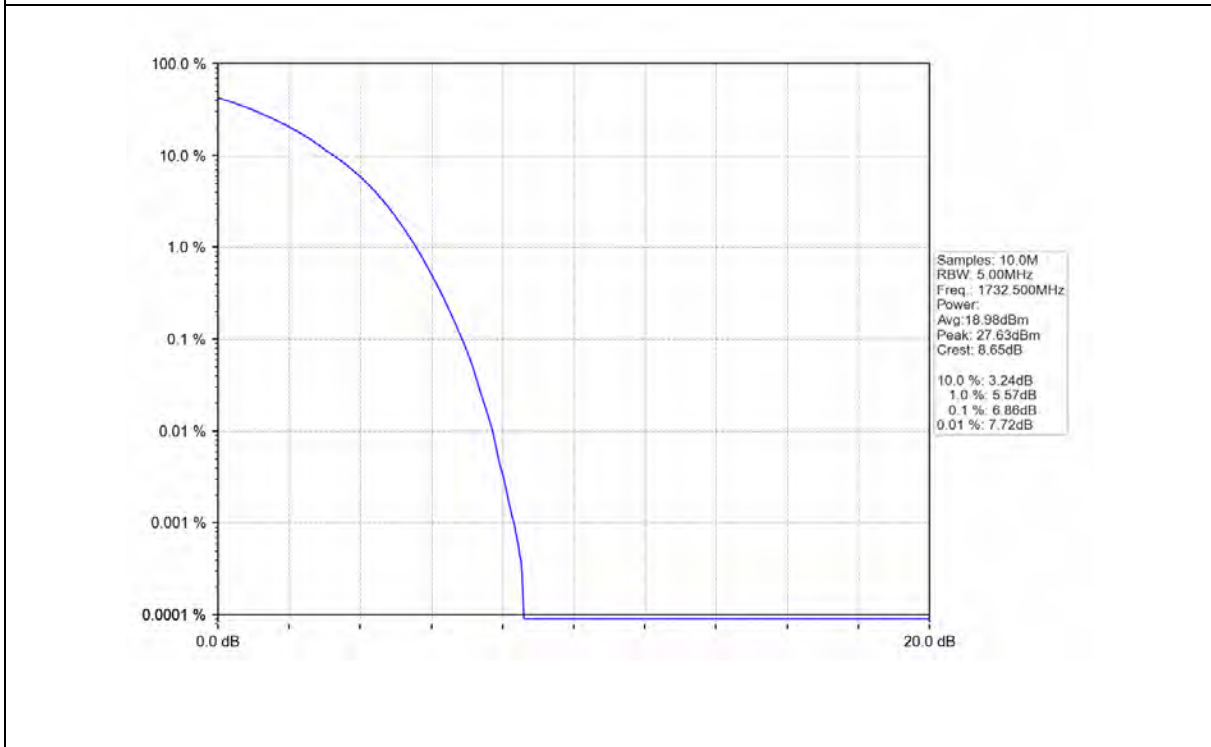
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



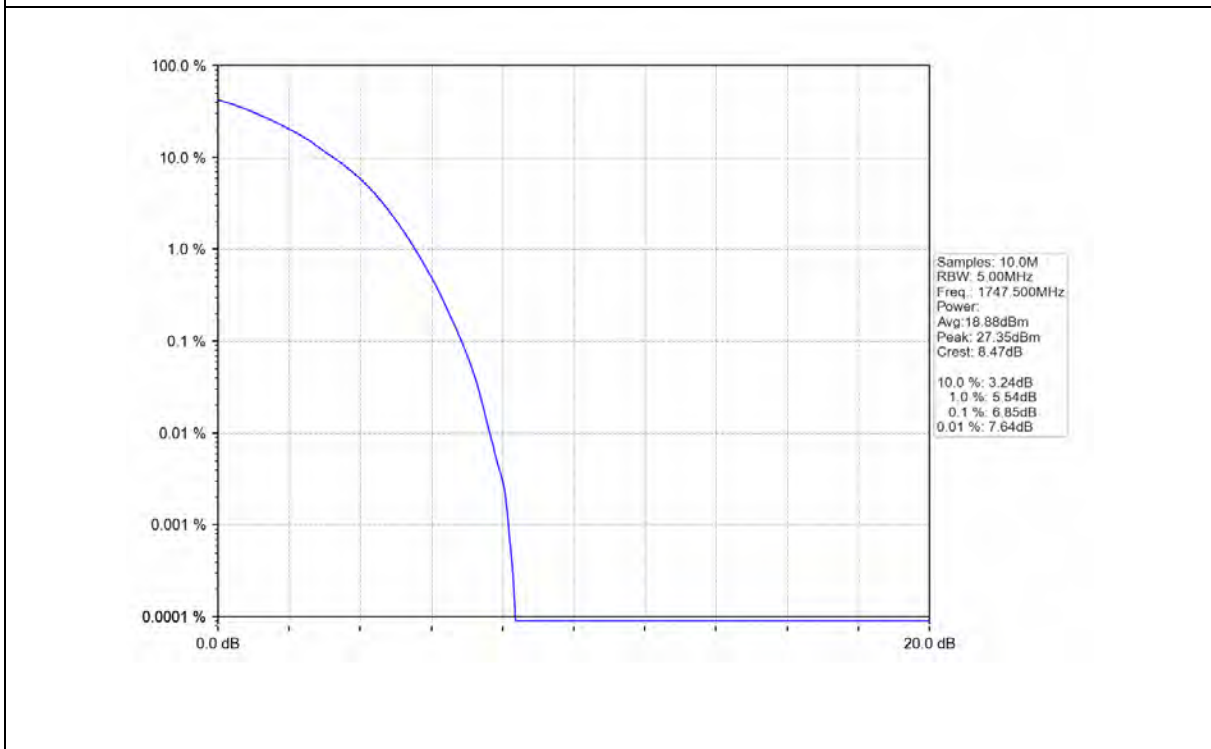
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



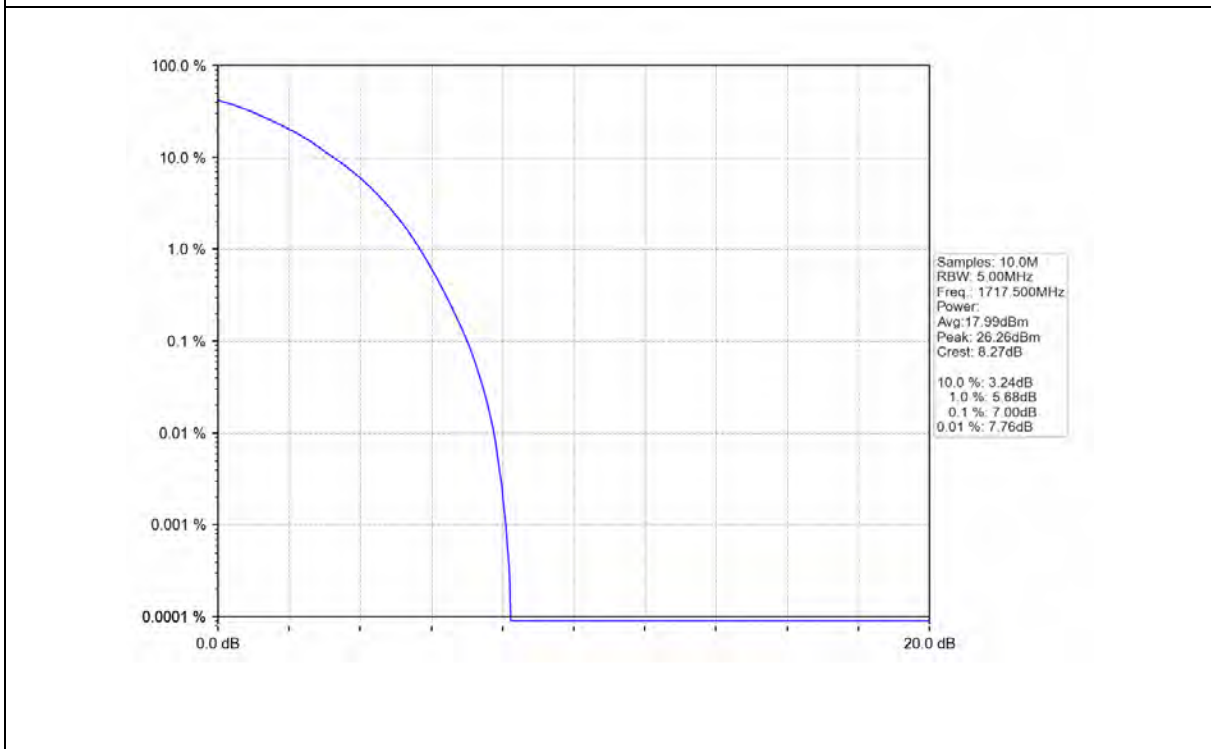
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



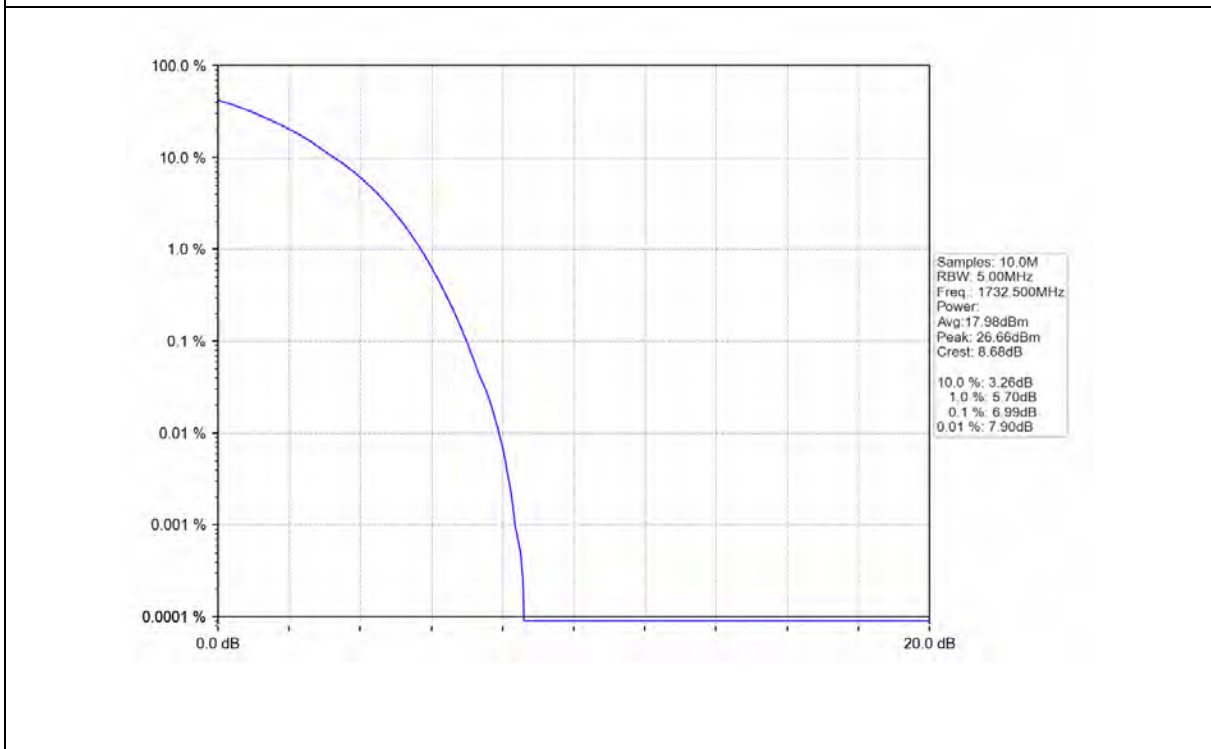
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV

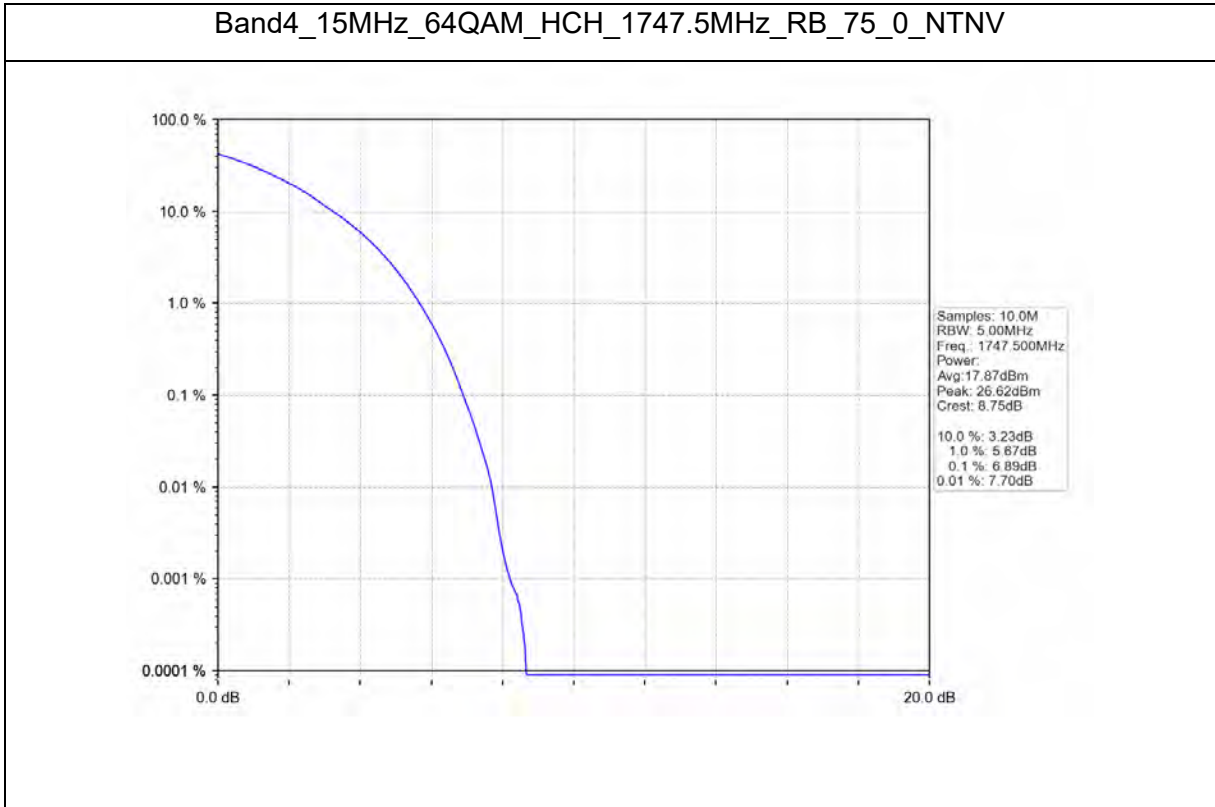


Band4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV





Test Report No.: W7L-P21100026RF15





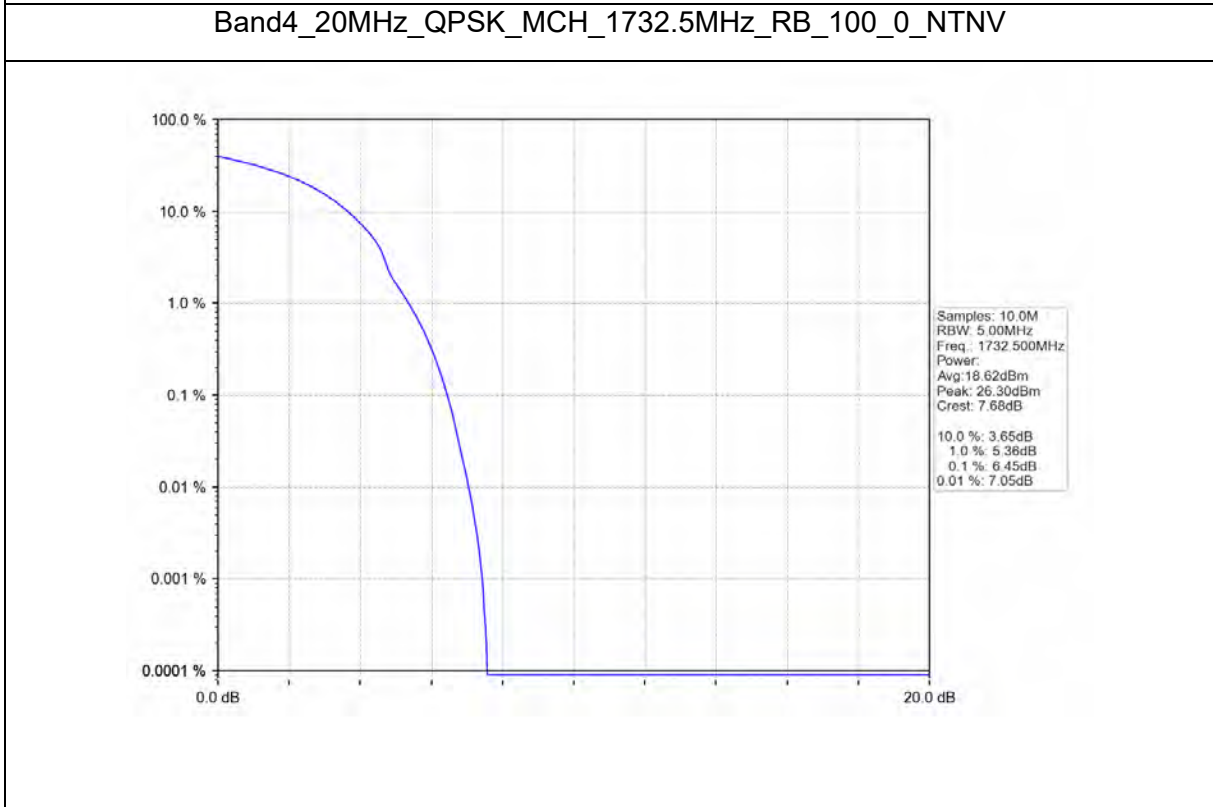
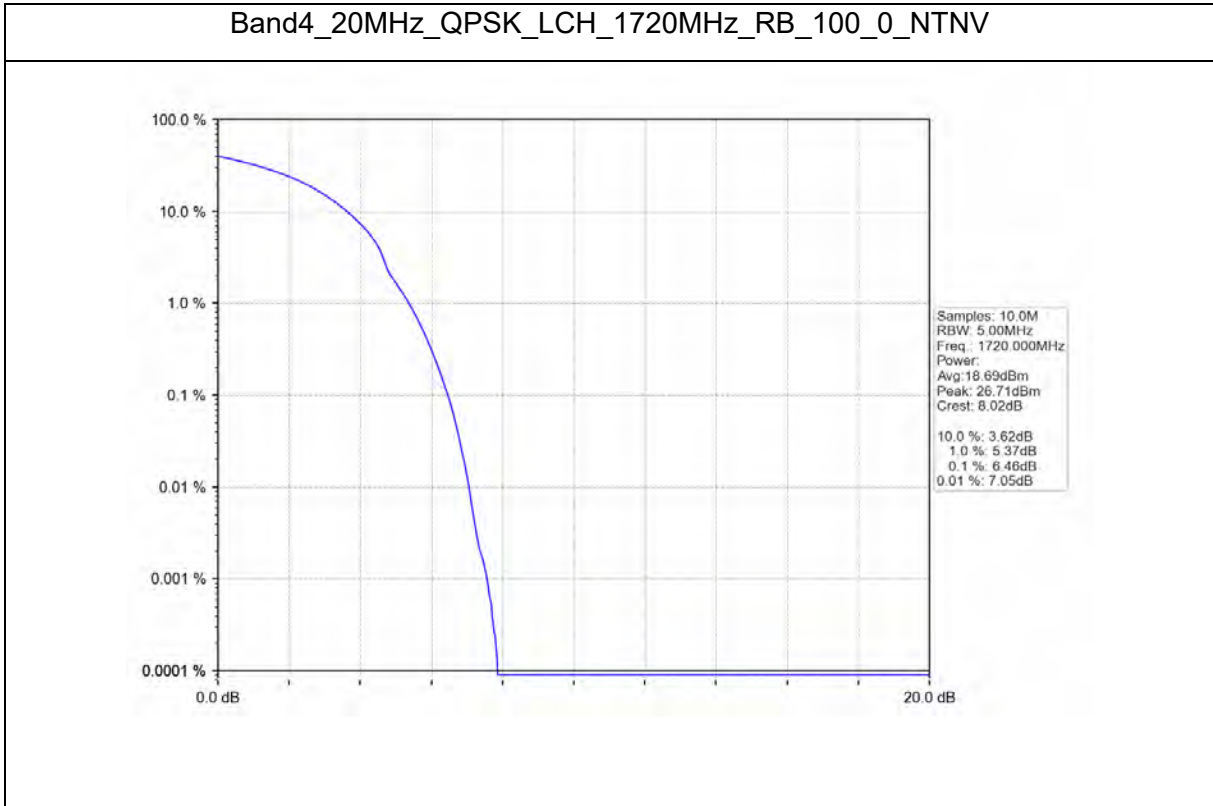
Test Report No.: W7L-P21100026RF15

B4_20MHZ

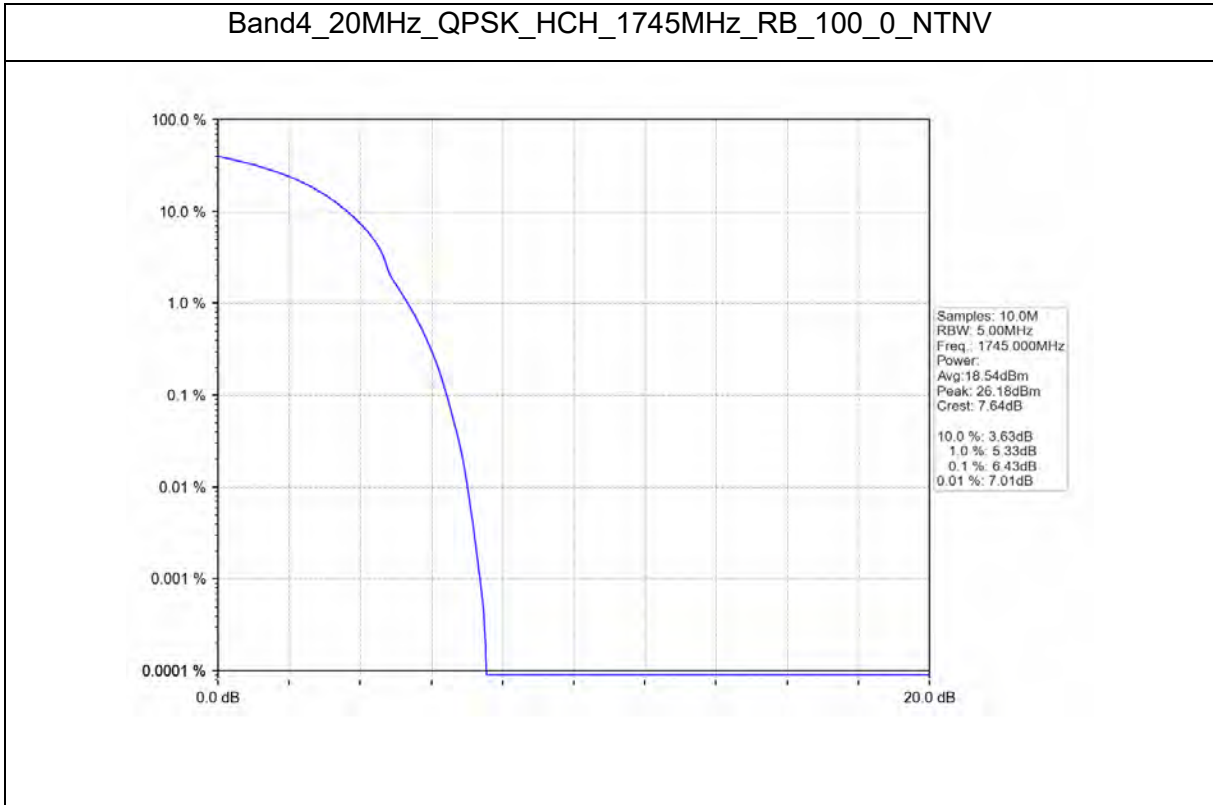
TEST RESULT

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	6.46	<=13	Pass
	1732.5	100	0	6.45	<=13	Pass
	1745	100	0	6.43	<=13	Pass
16QAM	1720	100	0	7.20	<=13	Pass
	1732.5	100	0	7.23	<=13	Pass
	1745	100	0	7.12	<=13	Pass
64QAM	1720	100	0	7.25	<=13	Pass
	1732.5	100	0	7.32	<=13	Pass
	1745	100	0	7.25	<=13	Pass

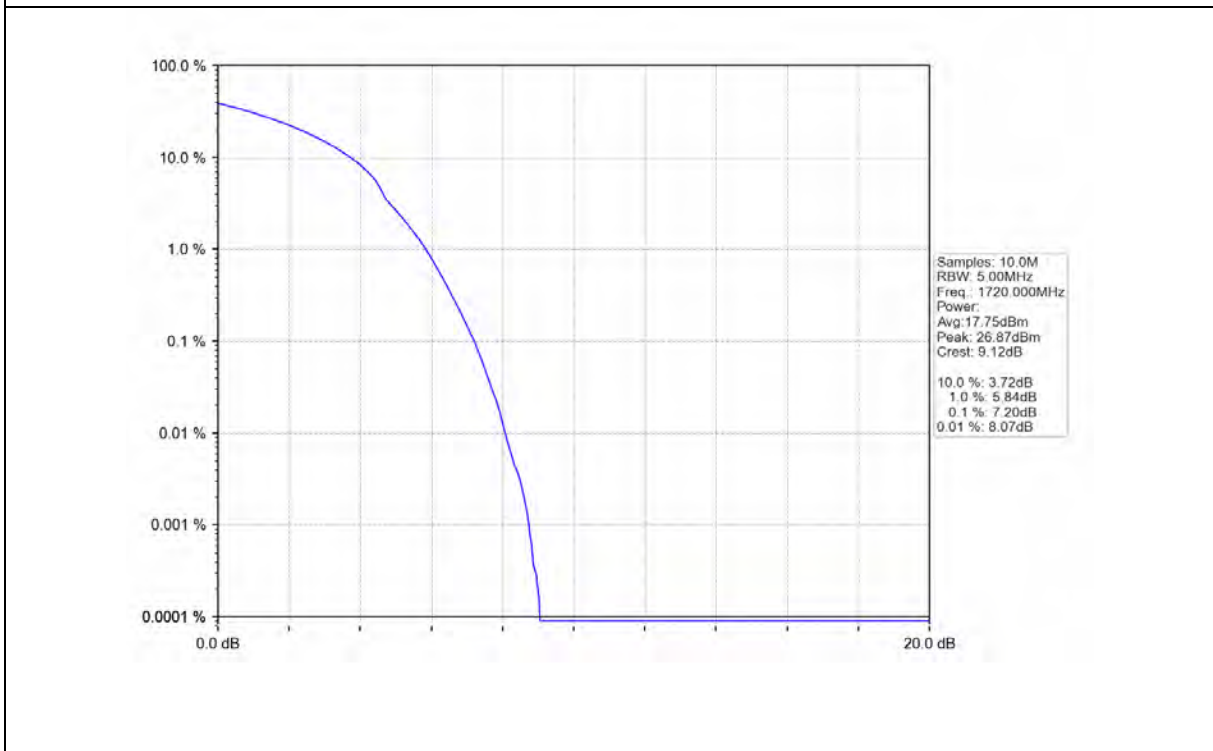
TEST GRAPH



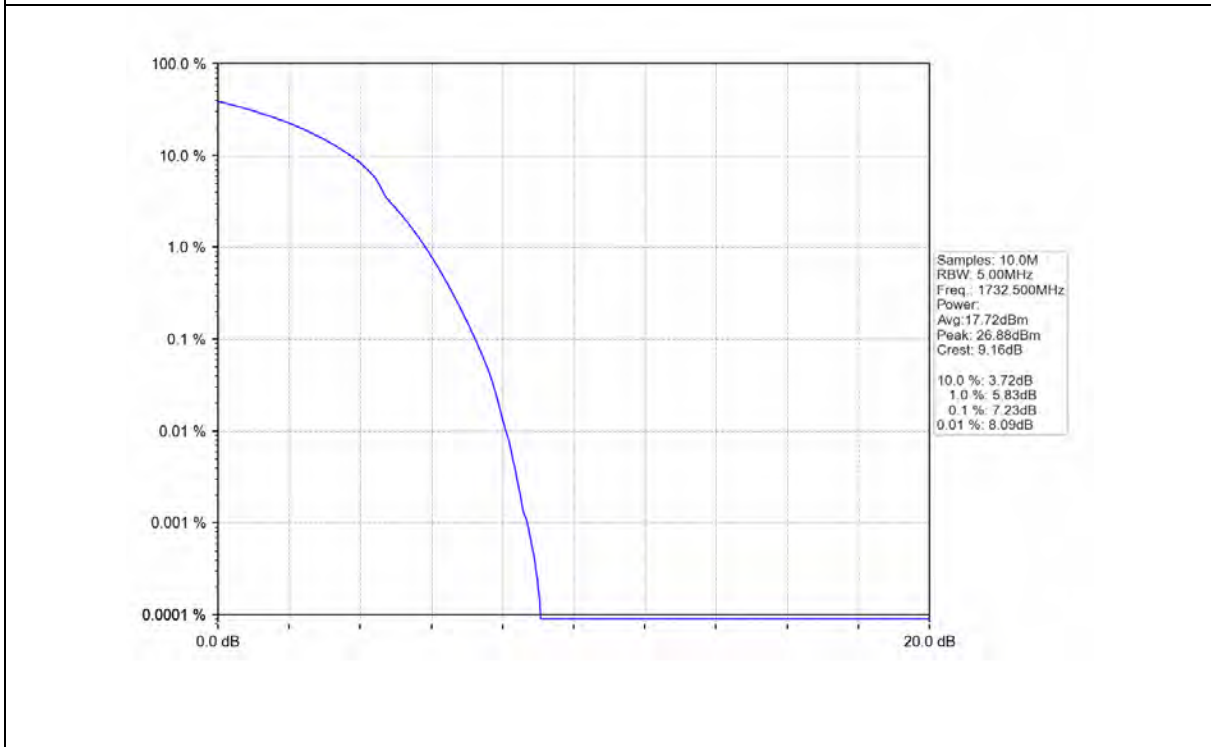
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



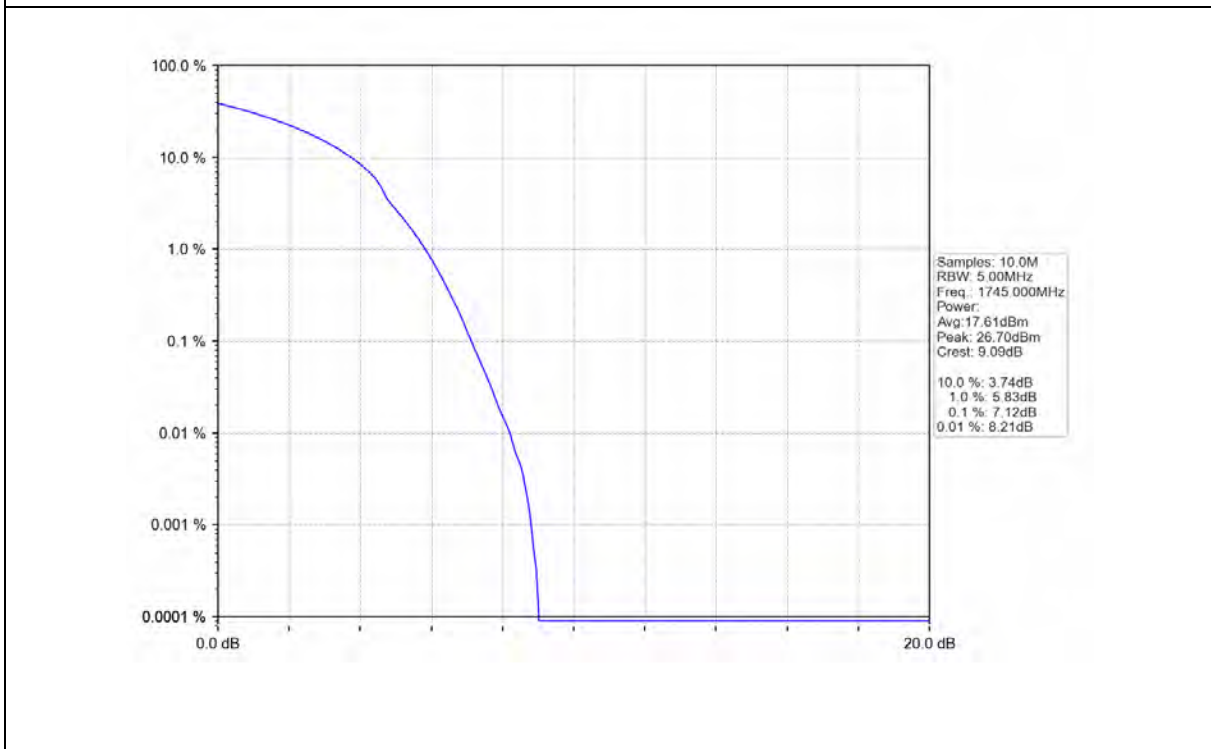
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



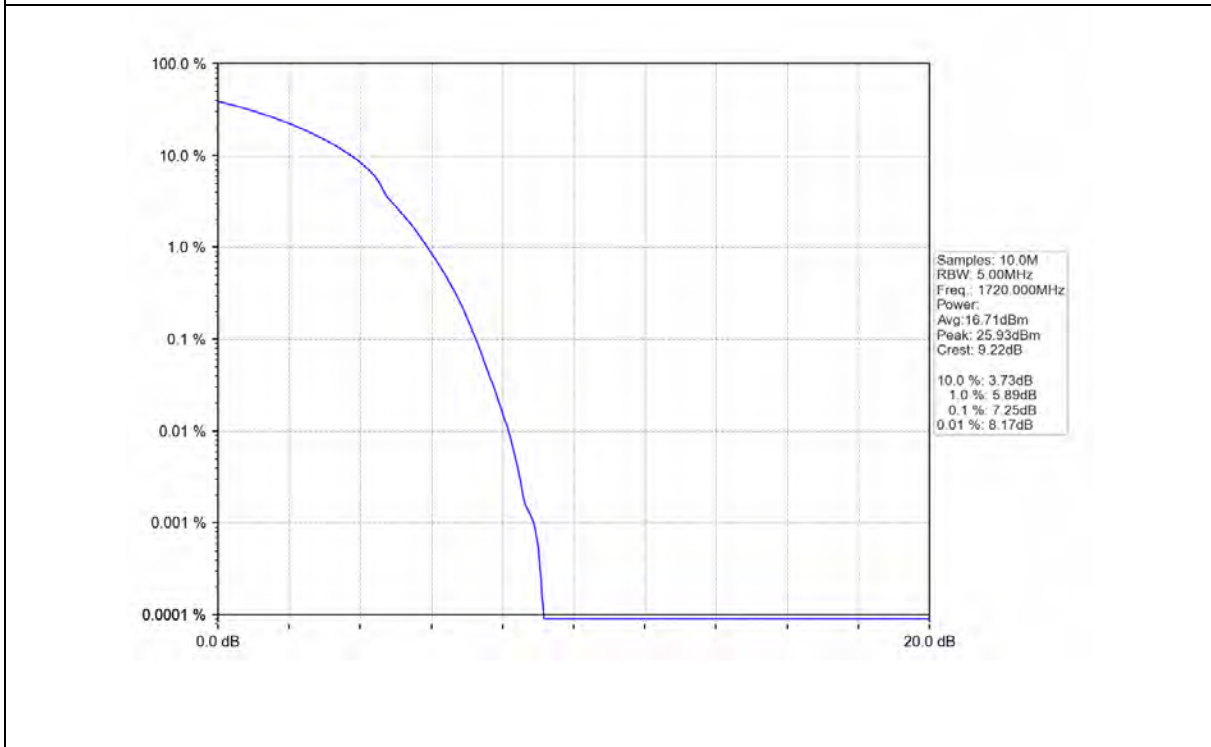
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



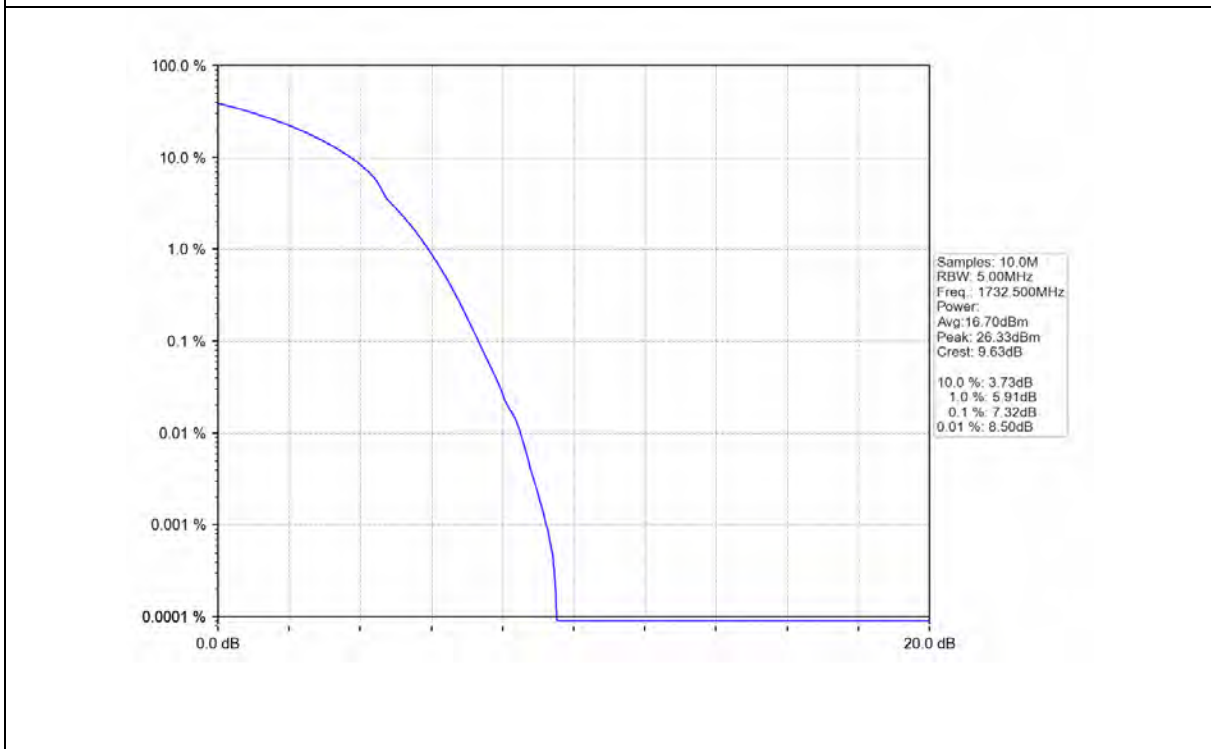
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV

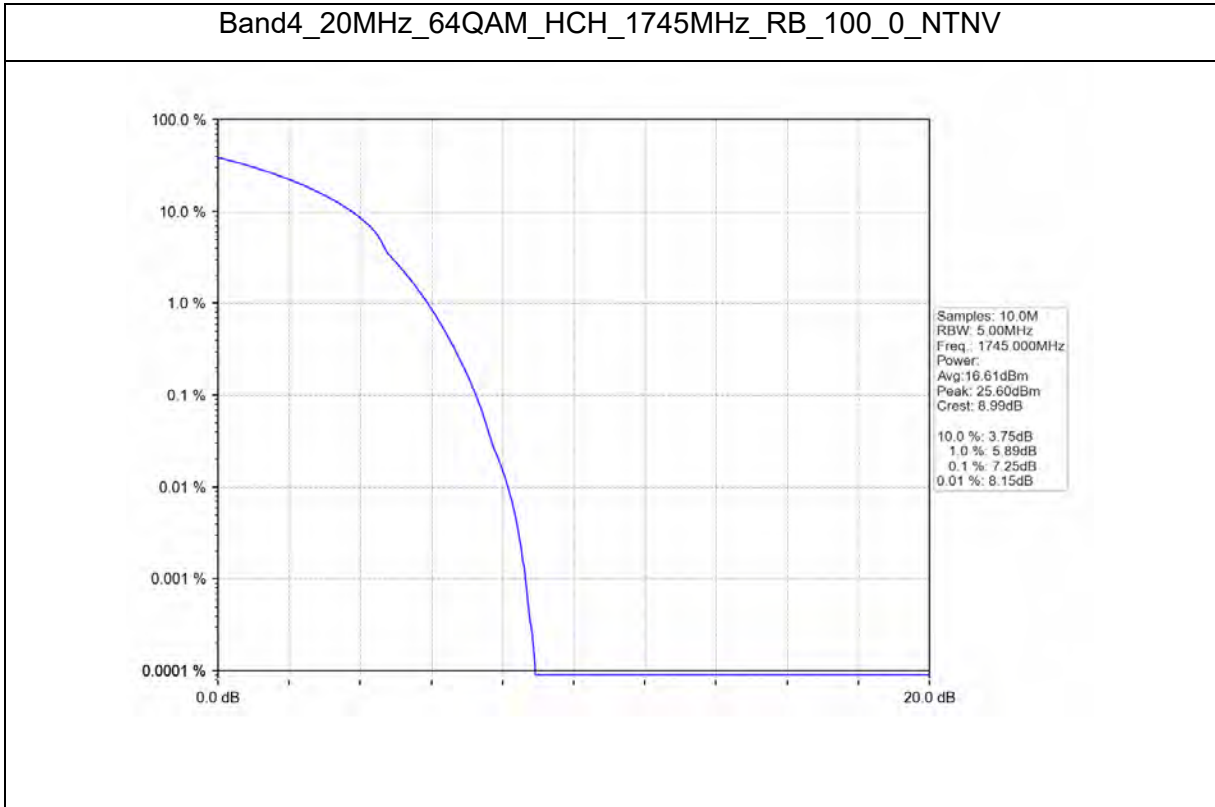


Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV





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Test Report No.: W7L-P21100026RF15

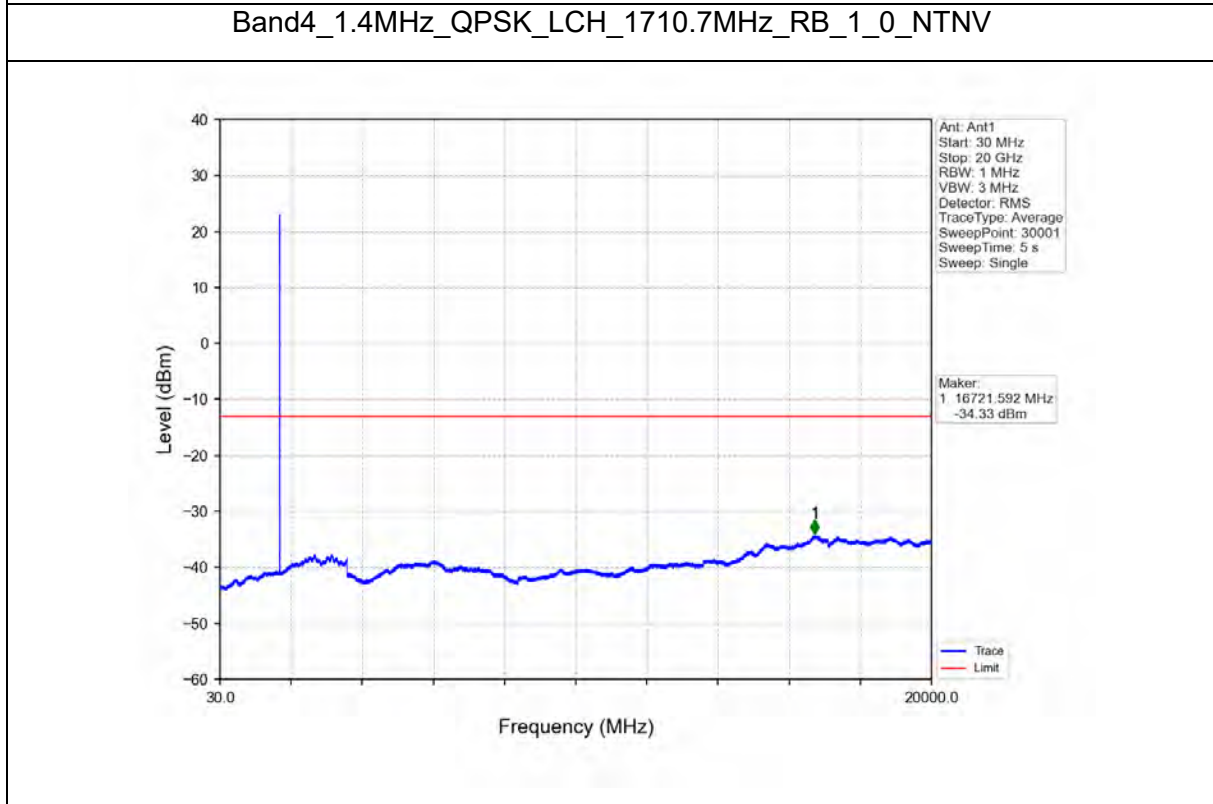
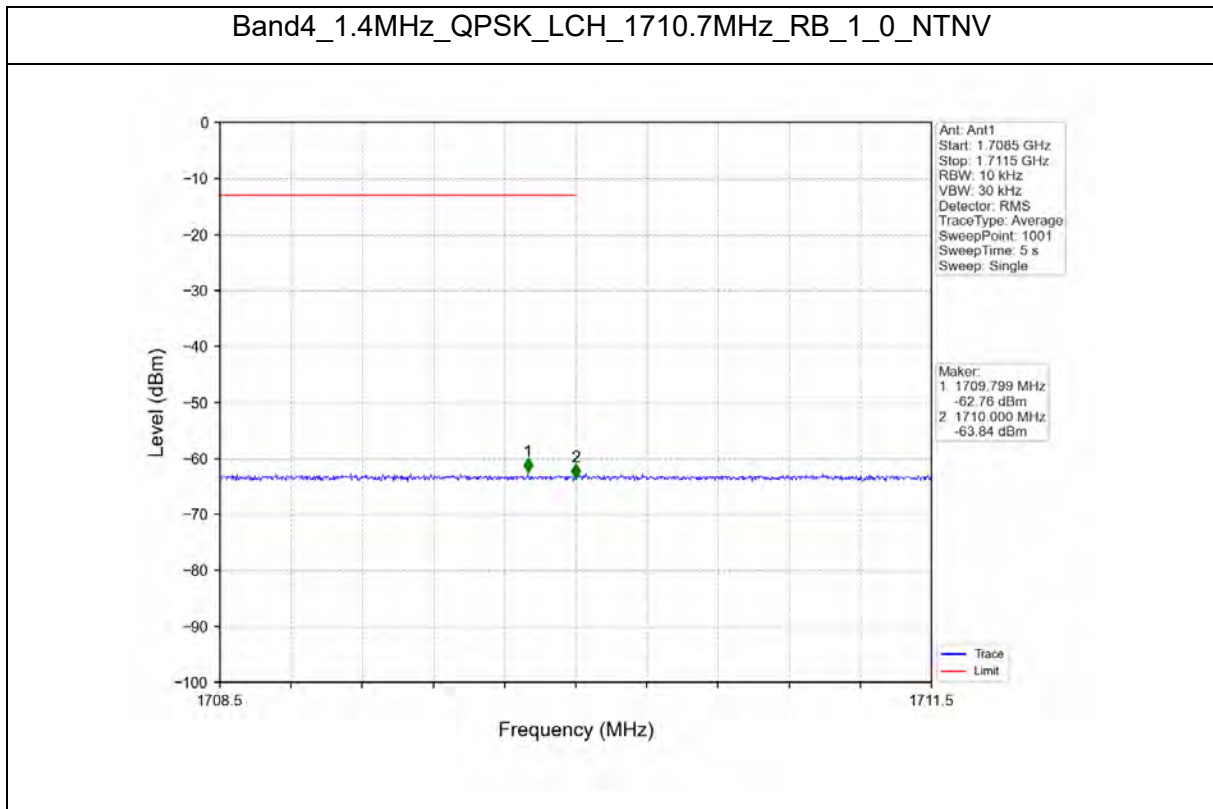
SPURIOUS EMISSION

B4_1.4MHZ

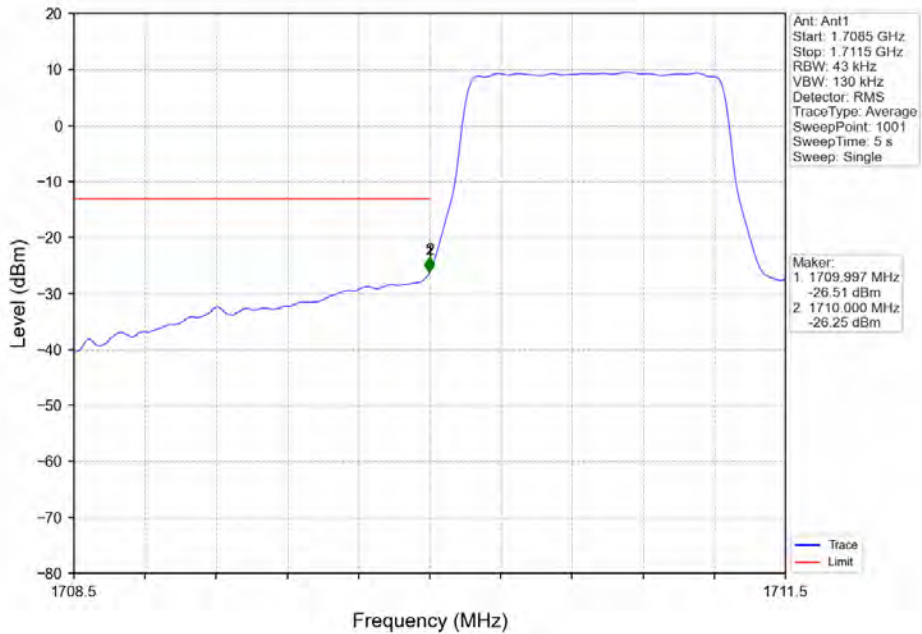
TEST RESULT

Band: 4 / Bandwidth: 1.4MHz / NTVN							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	1710.7	1	0	Refer To Test Graph		Pass	
		6	0	Refer To Test Graph		Pass	
	1732.5	1	0	Refer To Test Graph		Pass	
		1754.3	1	0	Refer To Test Graph		Pass
				5	Refer To Test Graph		Pass
	6	0	Refer To Test Graph		Pass		
16QAM	1710.7	1	0	Refer To Test Graph		Pass	
		6	0	Refer To Test Graph		Pass	
	1732.5	1	0	Refer To Test Graph		Pass	
		1754.3	1	0	Refer To Test Graph		Pass
				5	Refer To Test Graph		Pass
	6	0	Refer To Test Graph		Pass		
64QAM	1710.7	1	0	Refer To Test Graph		Pass	
		6	0	Refer To Test Graph		Pass	
	1732.5	1	0	Refer To Test Graph		Pass	
		1754.3	1	0	Refer To Test Graph		Pass
				5	Refer To Test Graph		Pass
	6	0	Refer To Test Graph		Pass		

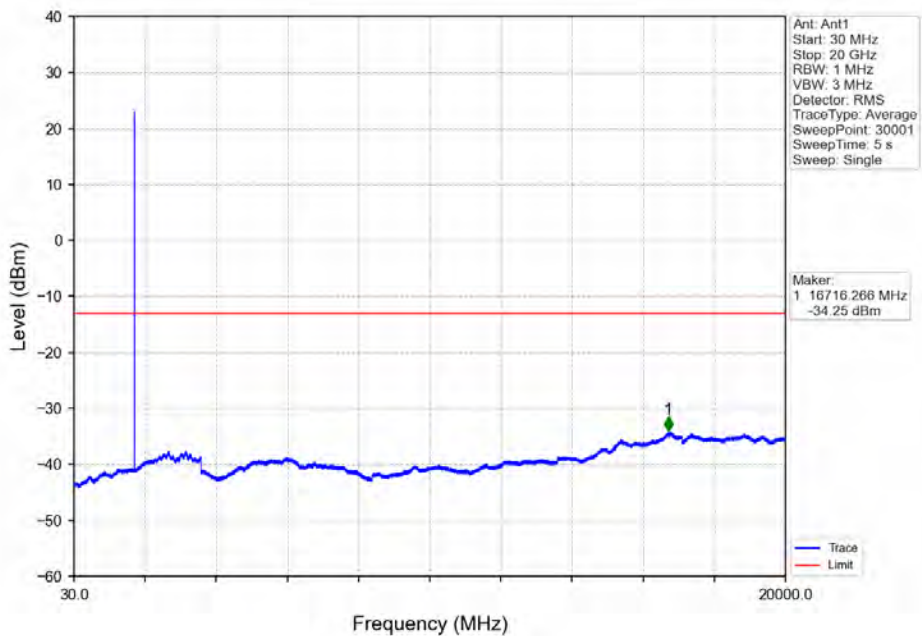
TEST GRAPH



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

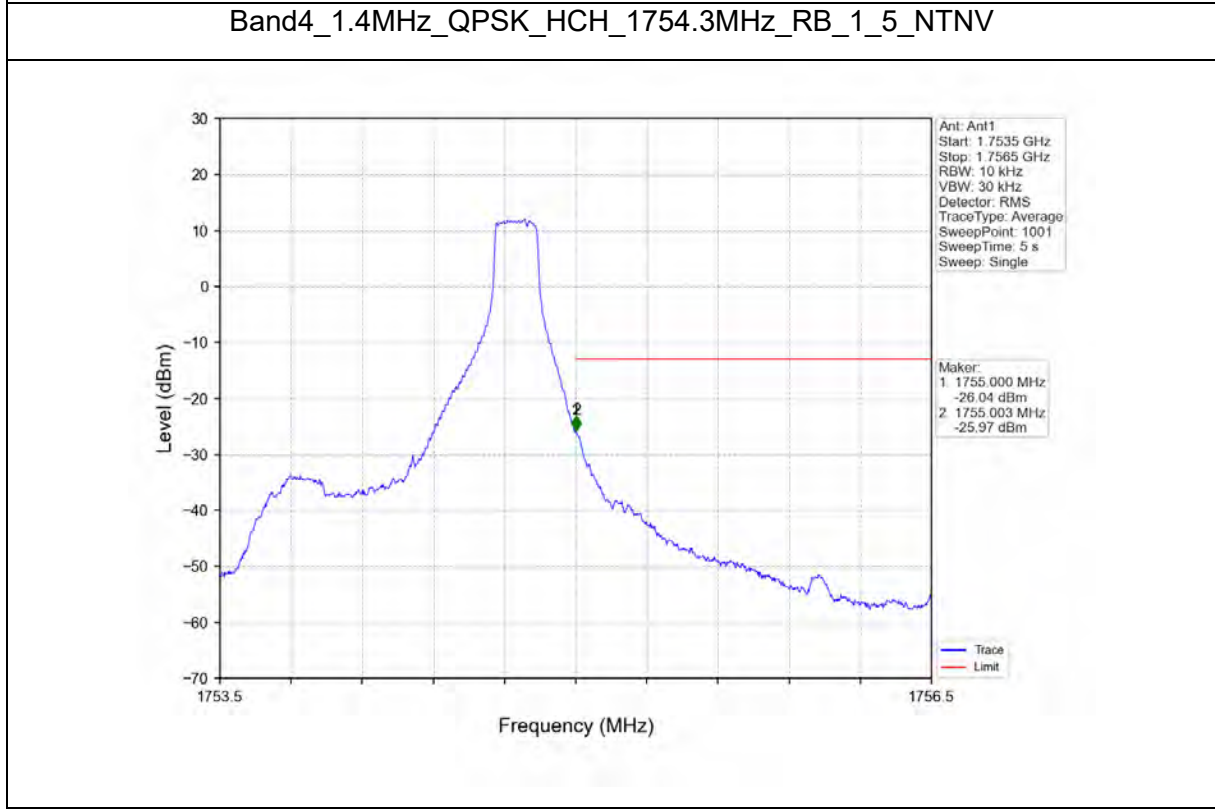
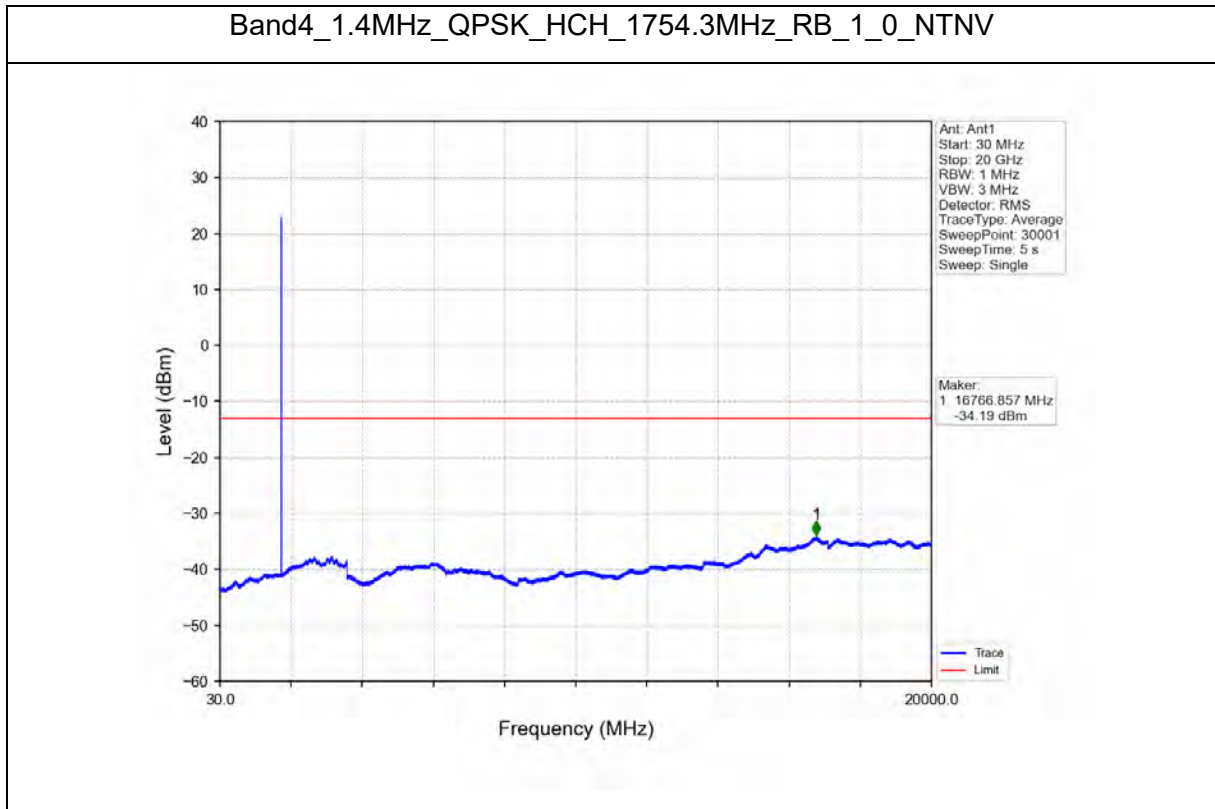


Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

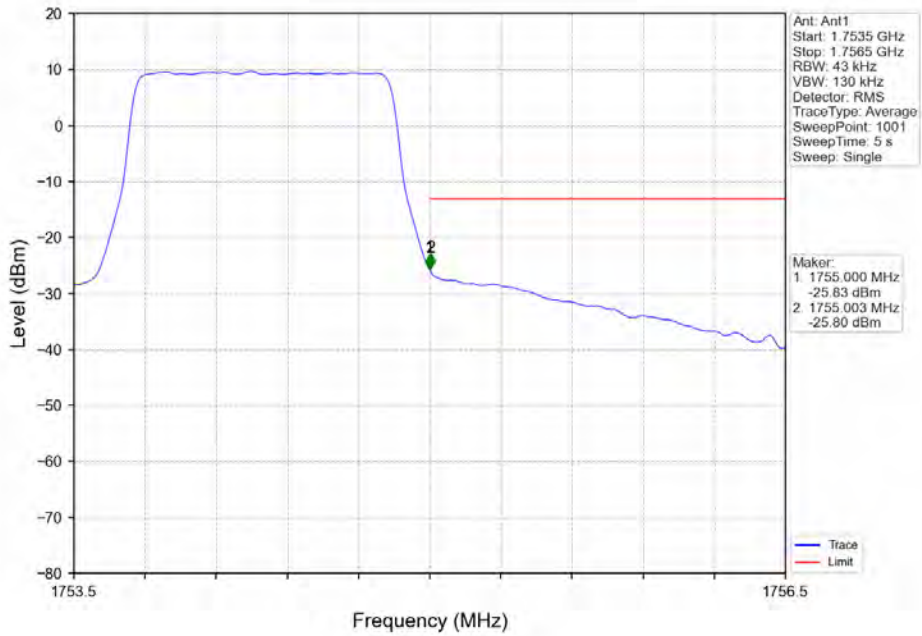




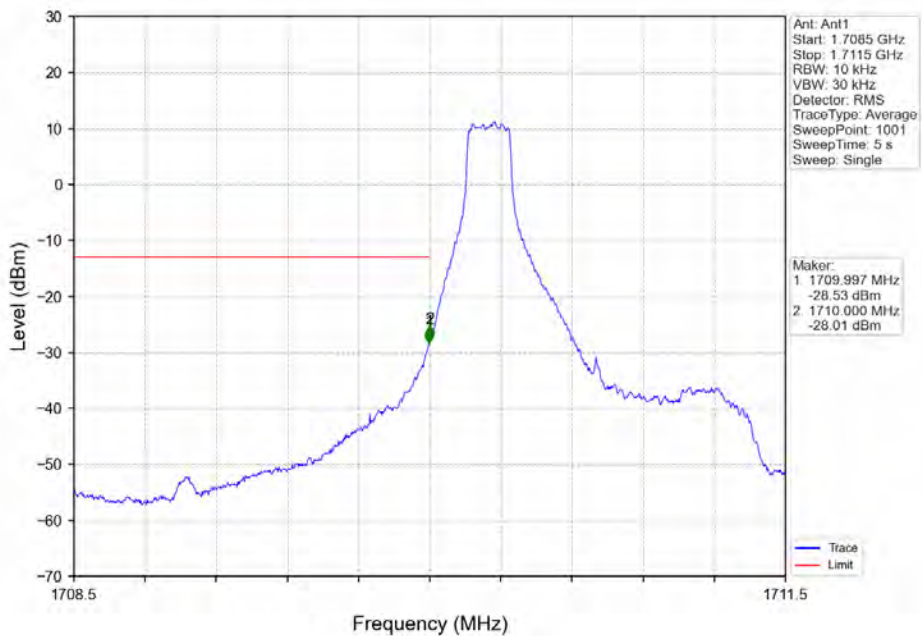
Test Report No.: W7L-P21100026RF15



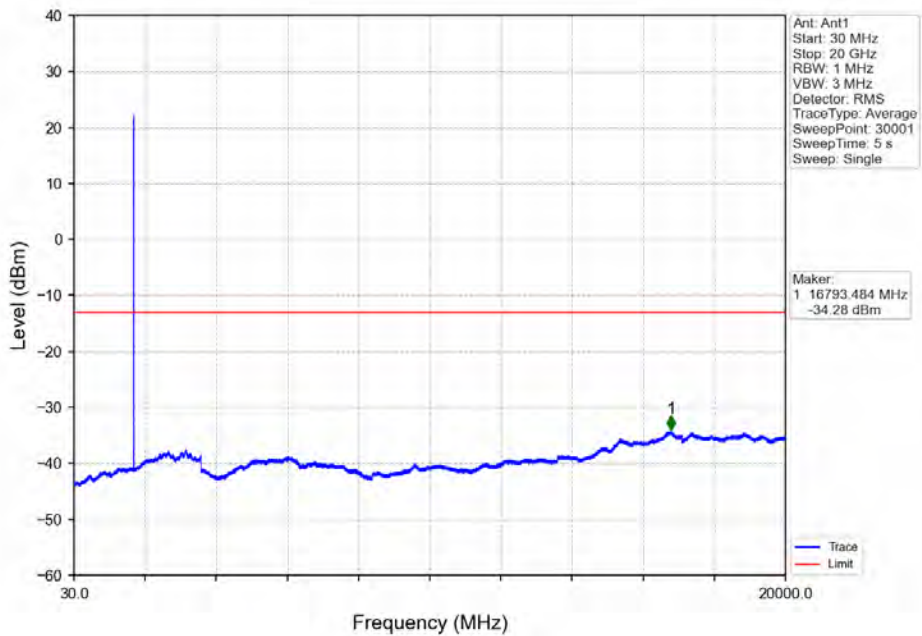
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



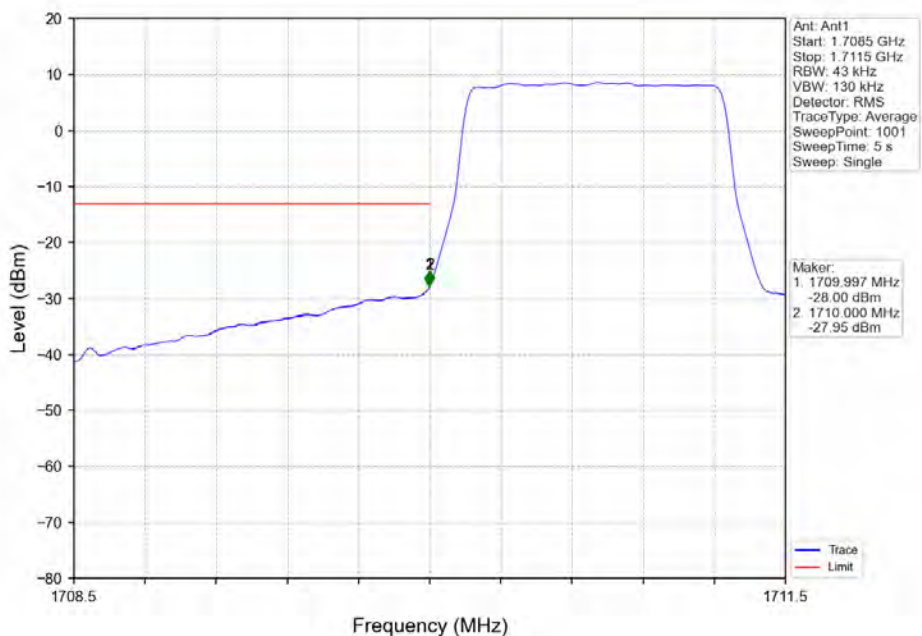
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



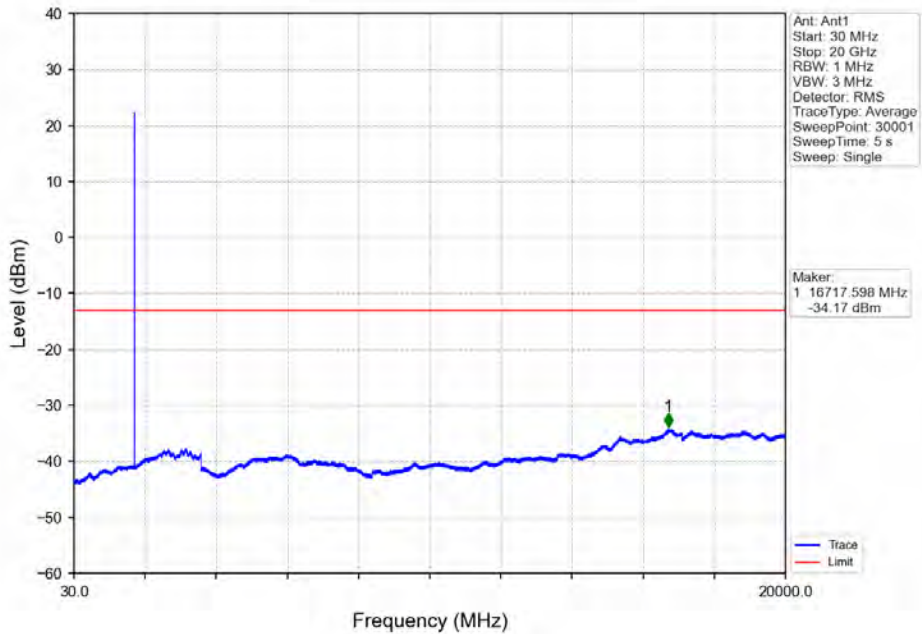
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



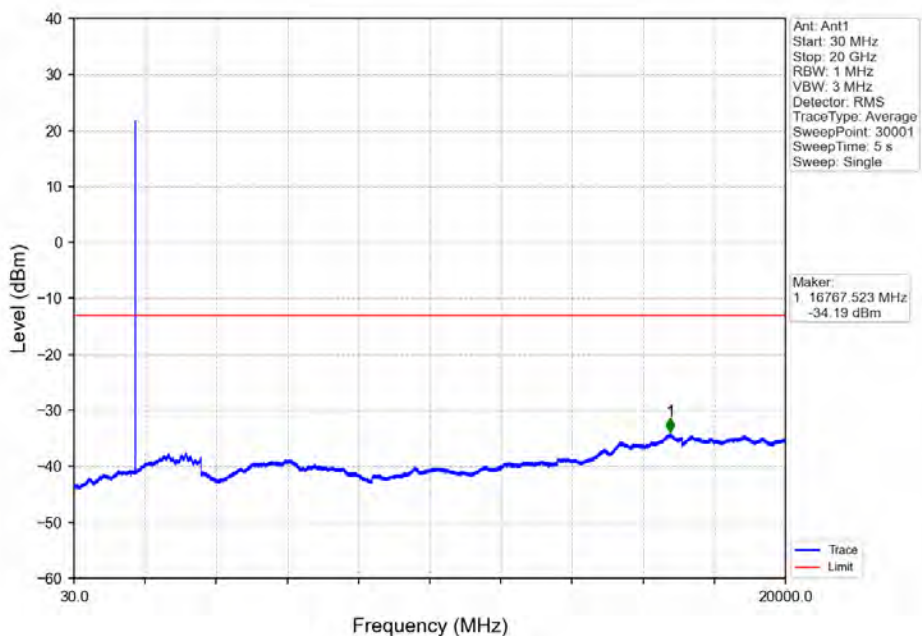
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



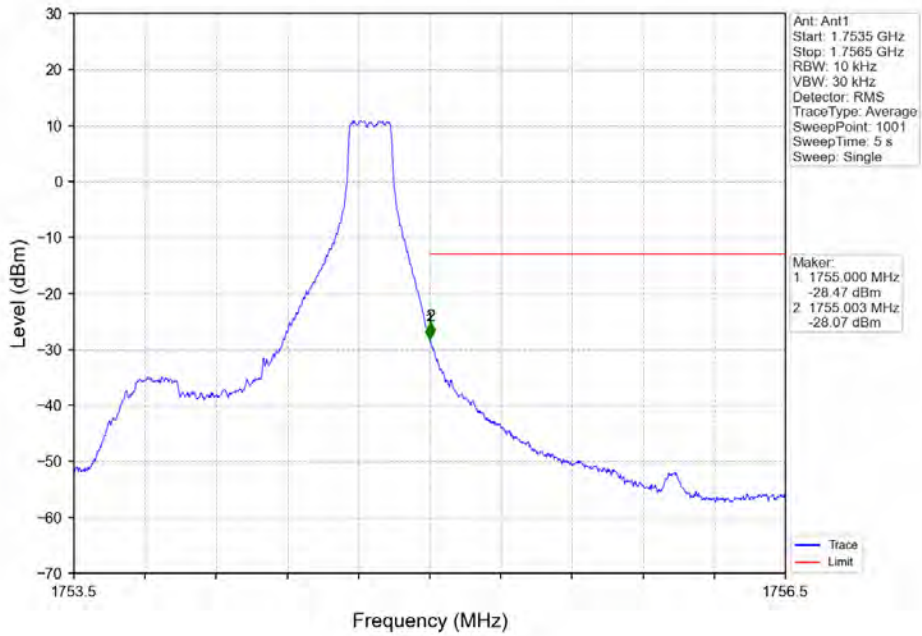
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



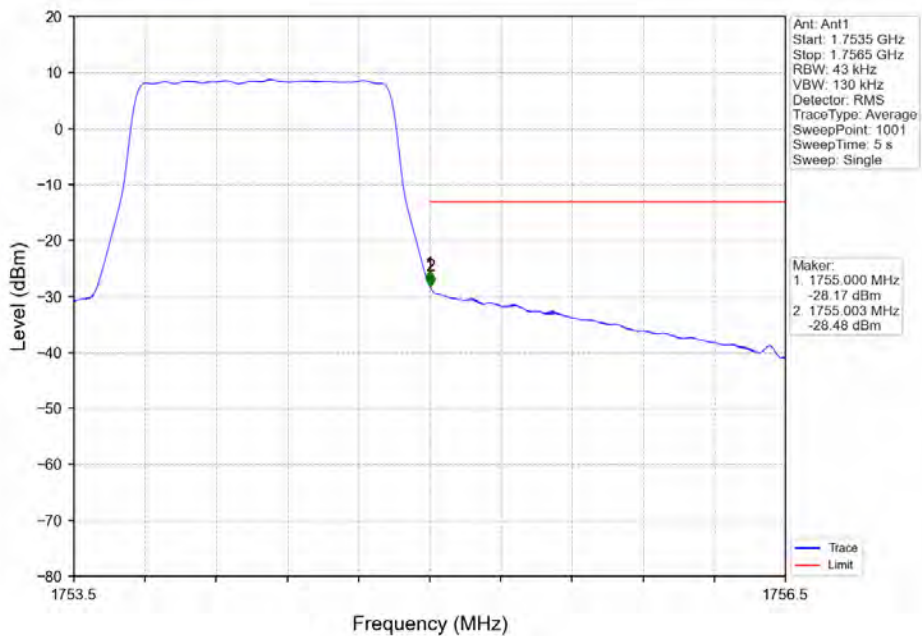
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



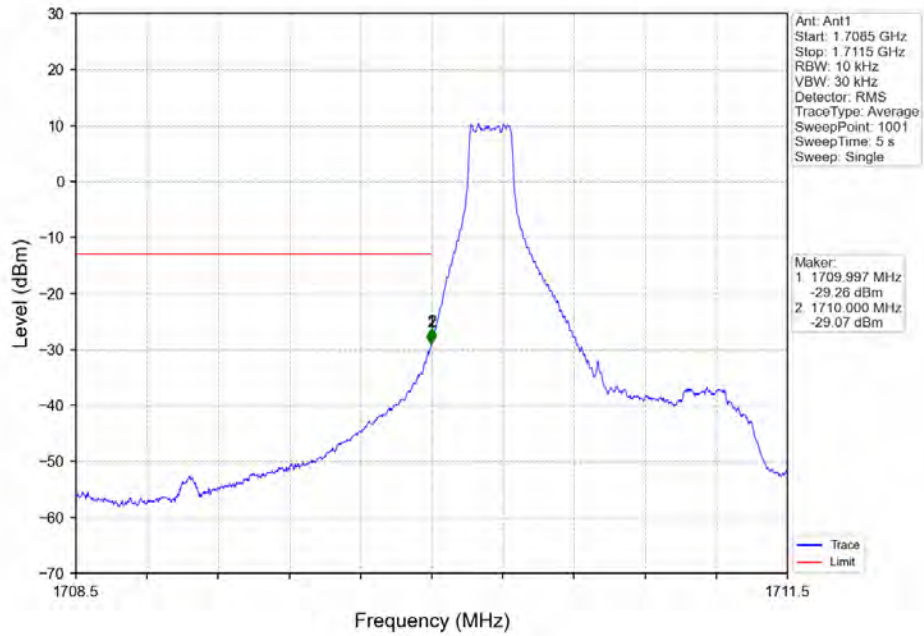
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



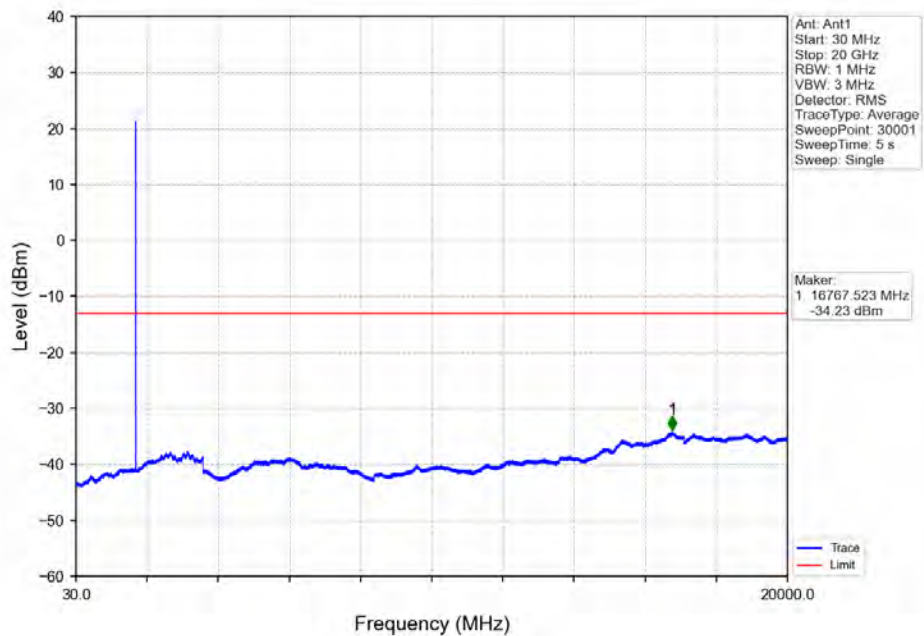
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



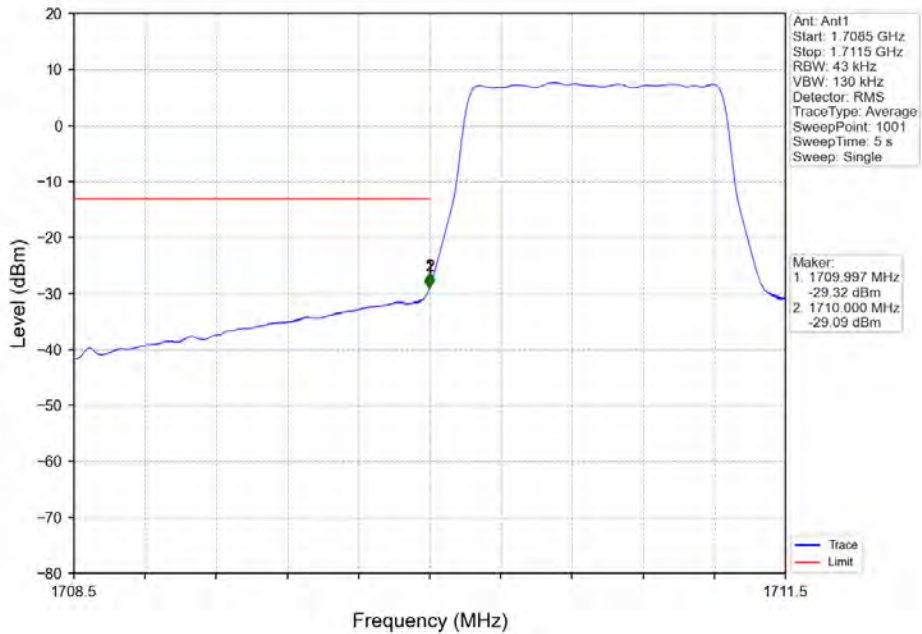
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV



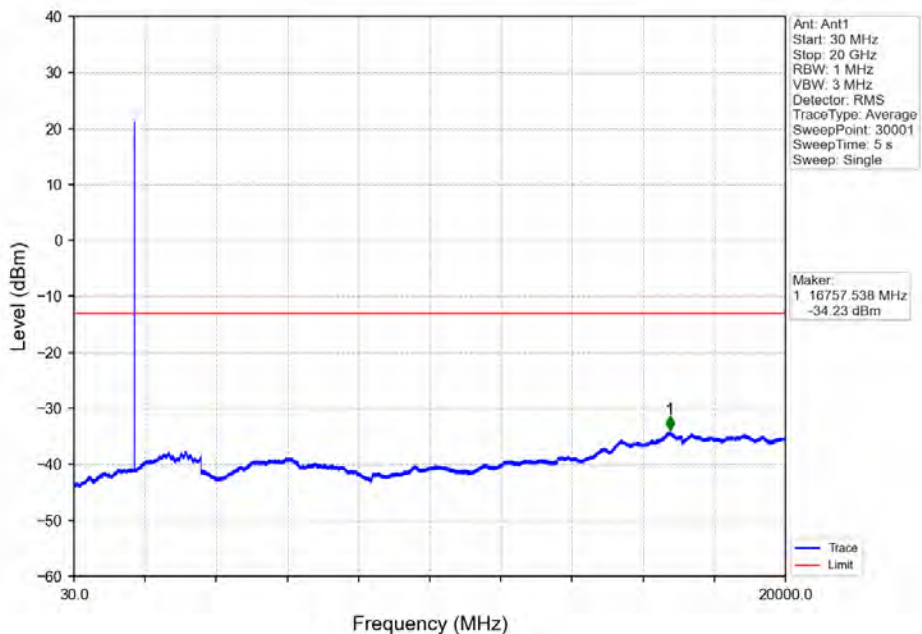
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV



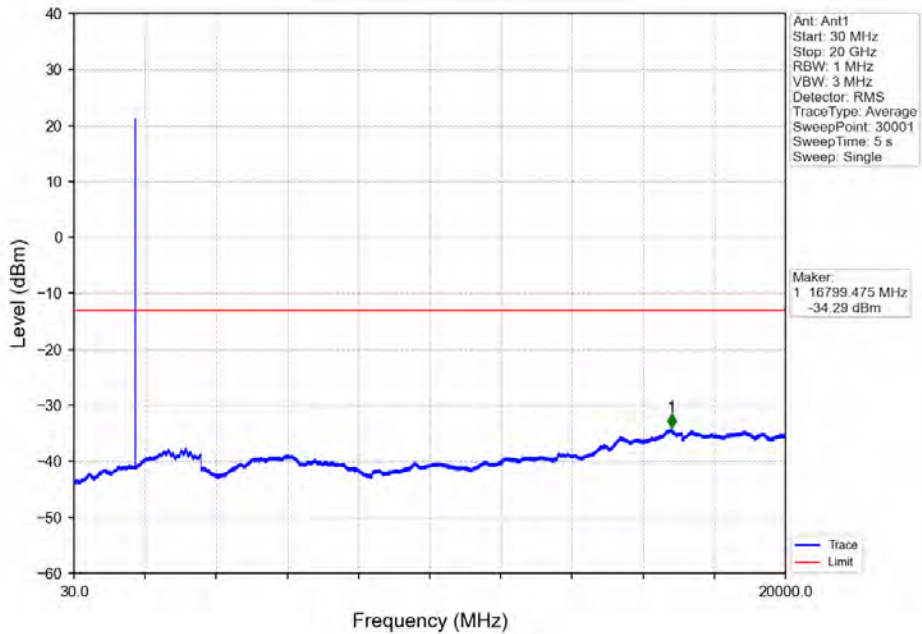
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



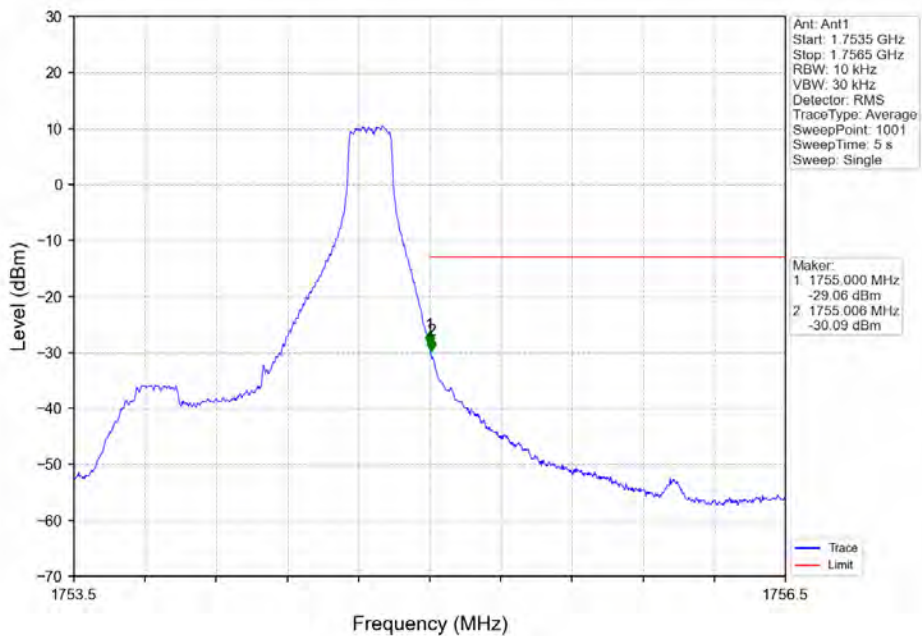
Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_1_0_NTNV

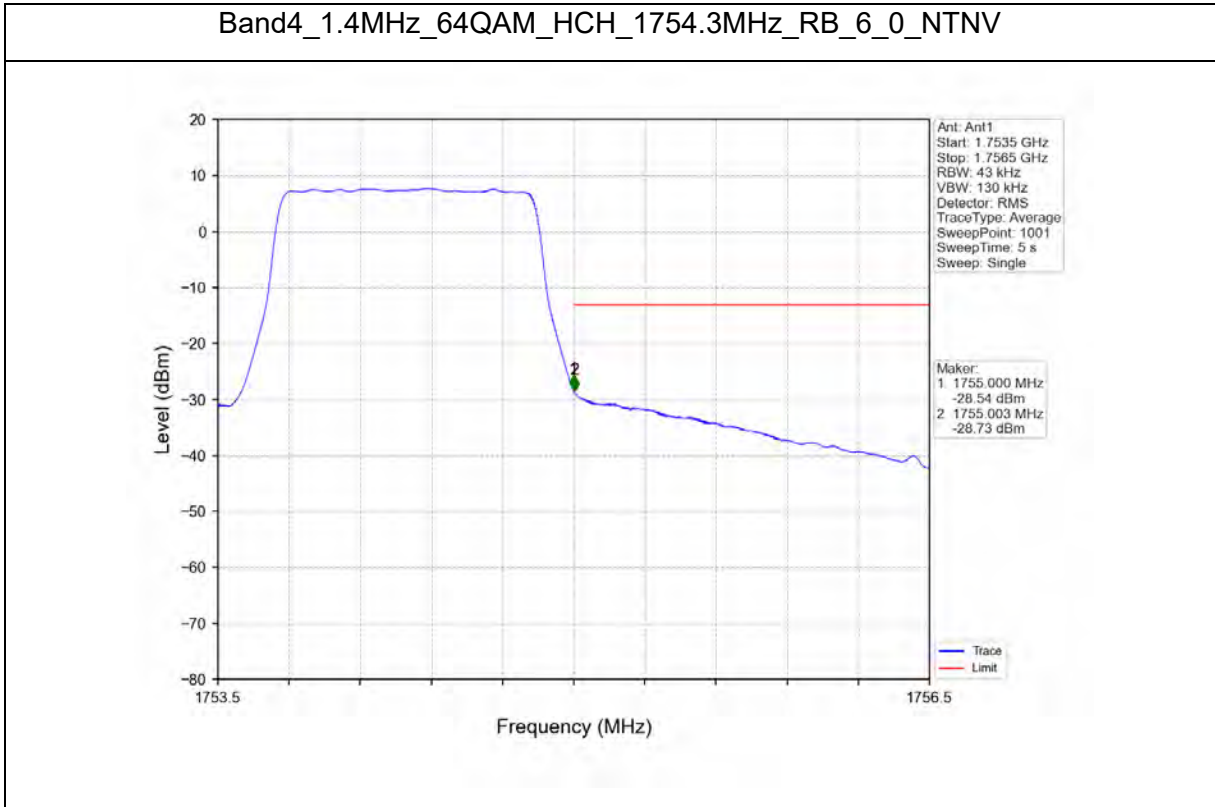


Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_1_5_NTNV





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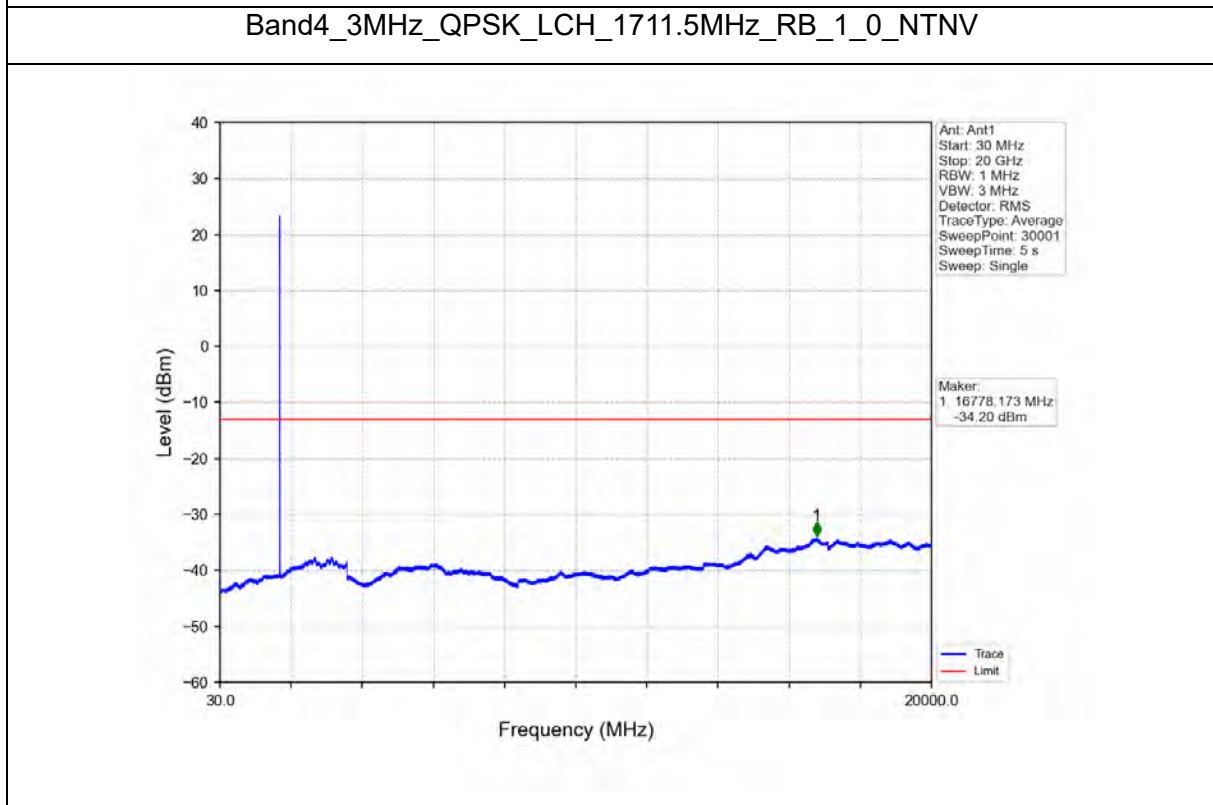
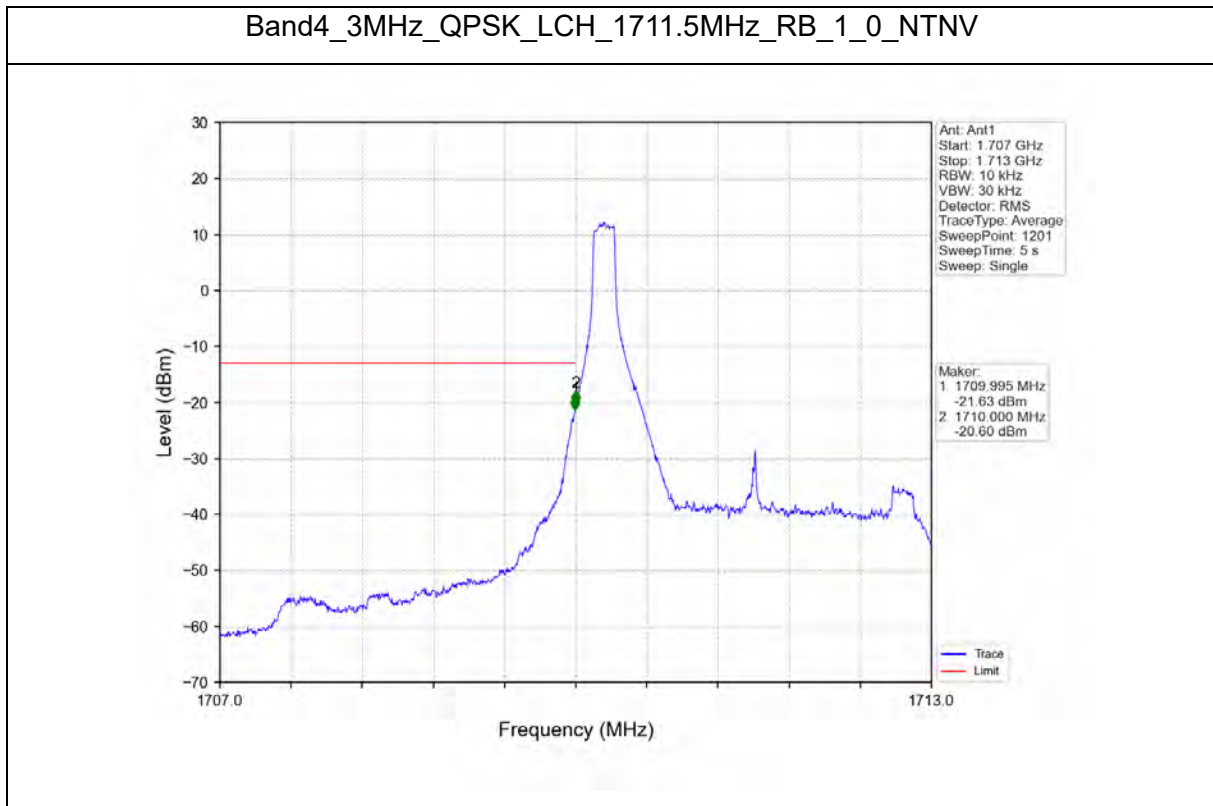
Test Report No.: W7L-P21100026RF15

B4_3MHZ

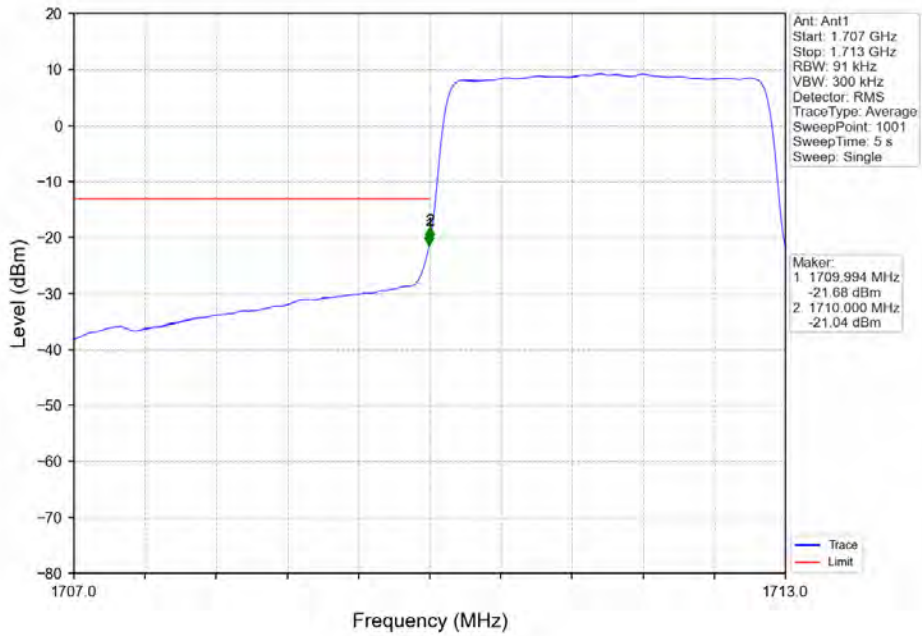
TEST RESULT

Band: 4 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
15	0	Refer To Test Graph		Pass		
16QAM	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
15	0	Refer To Test Graph		Pass		
64QAM	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
15	0	Refer To Test Graph		Pass		

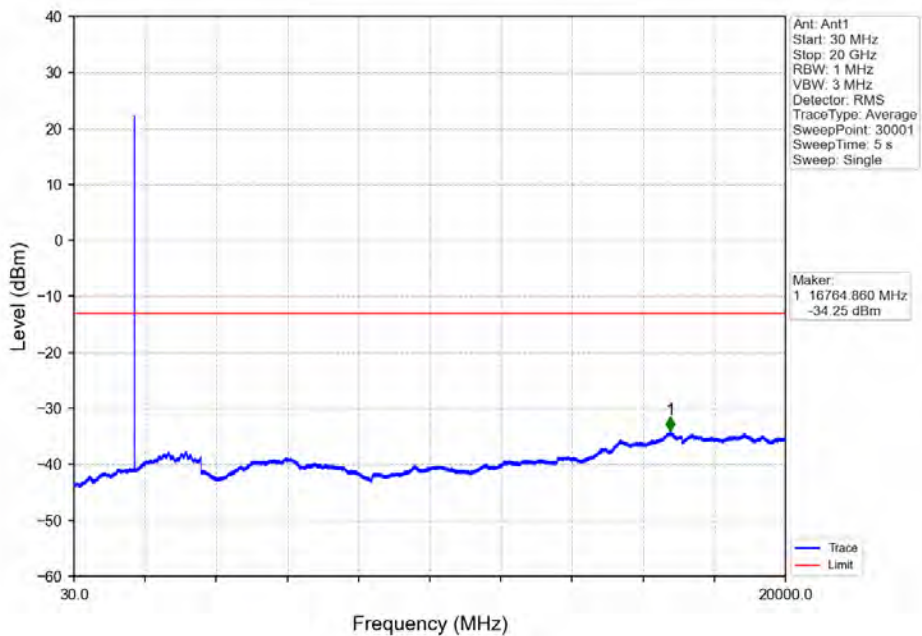
TEST GRAPH



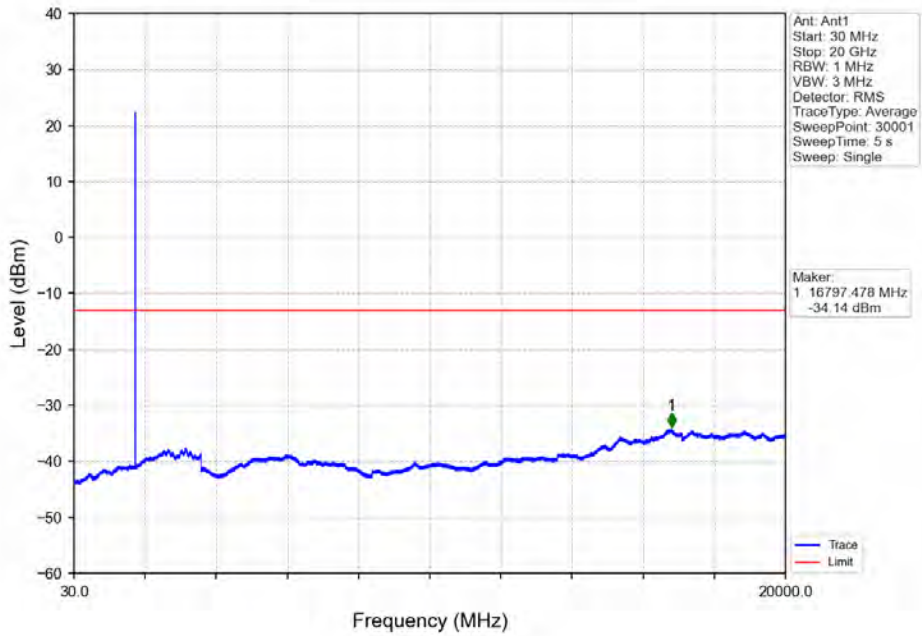
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



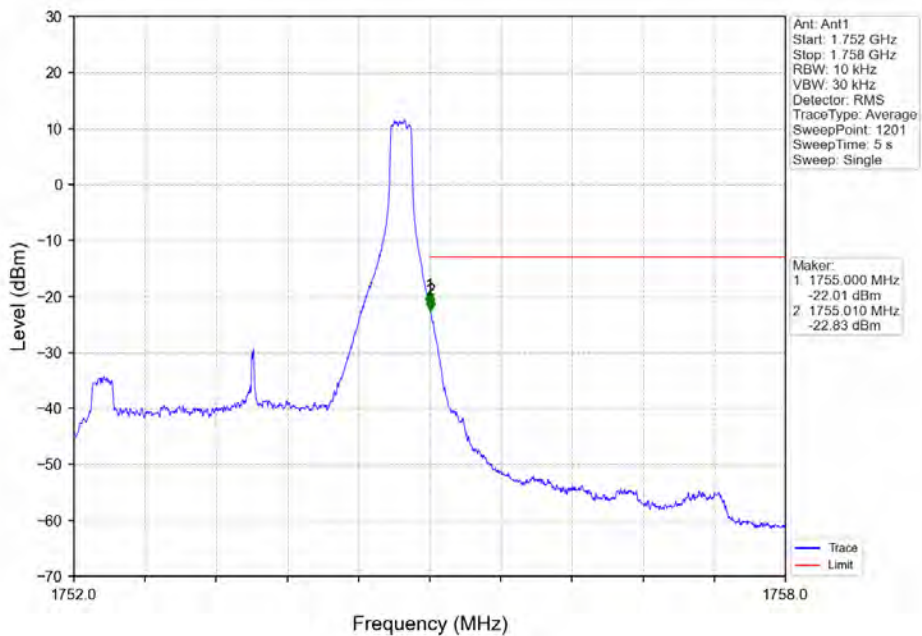
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



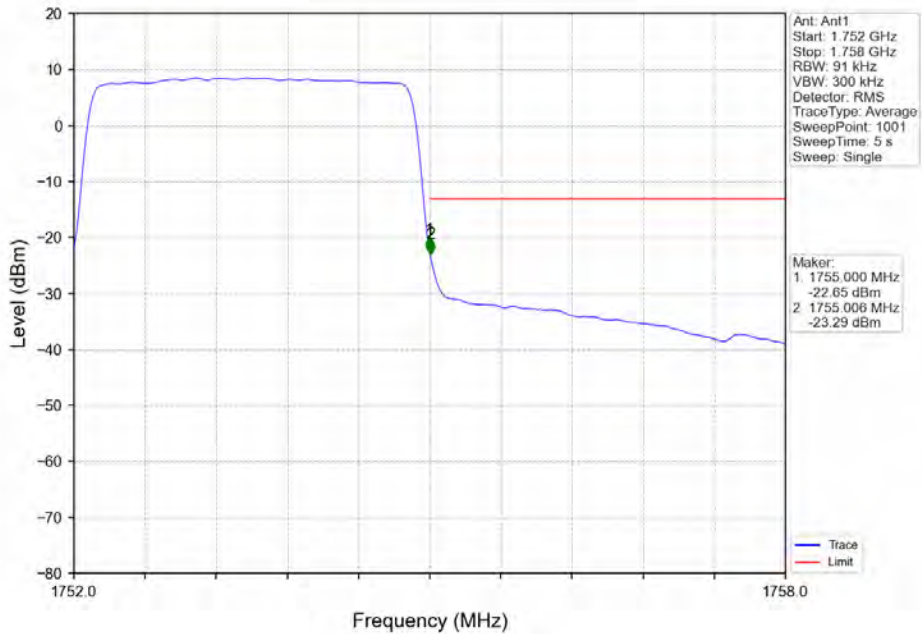
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



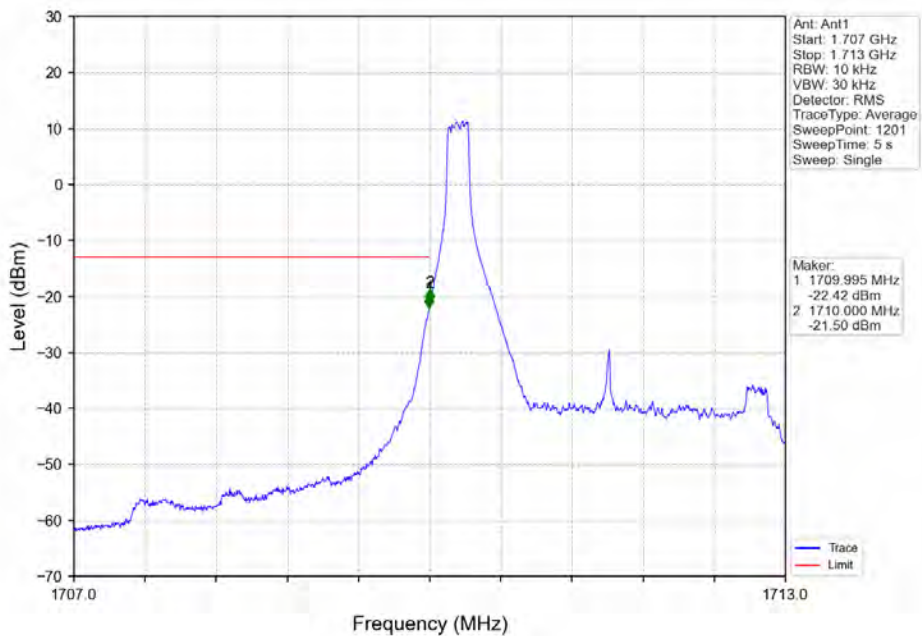
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



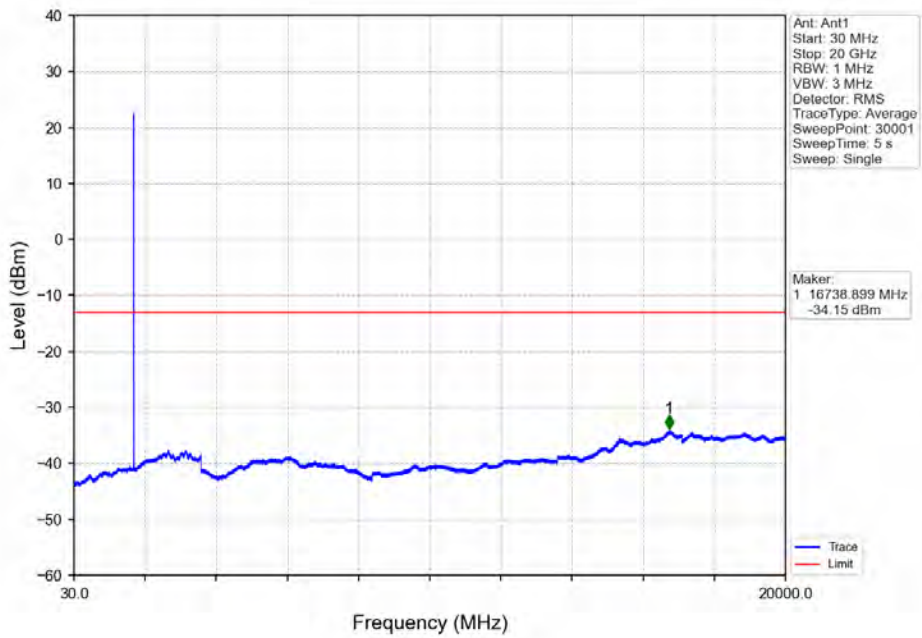
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



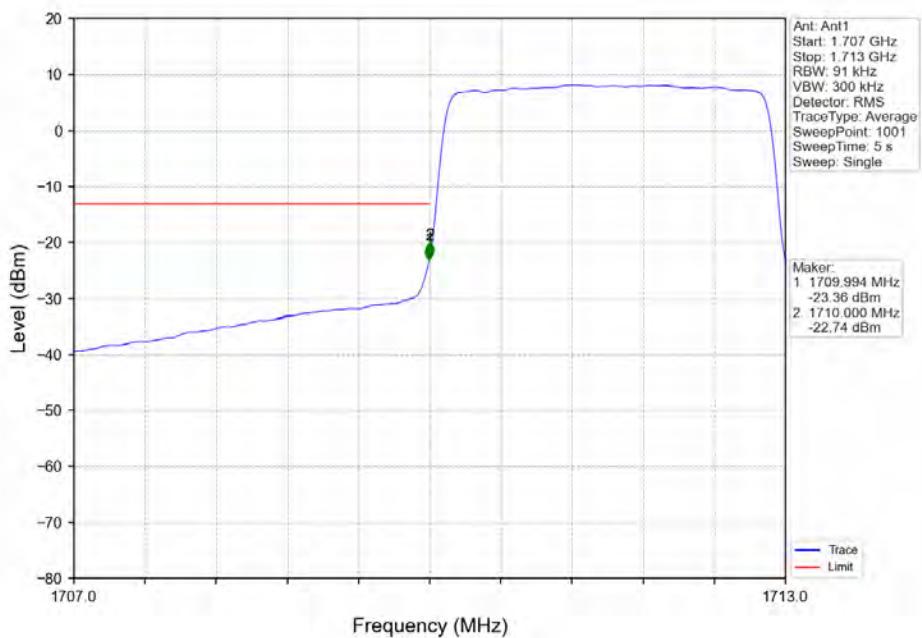
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



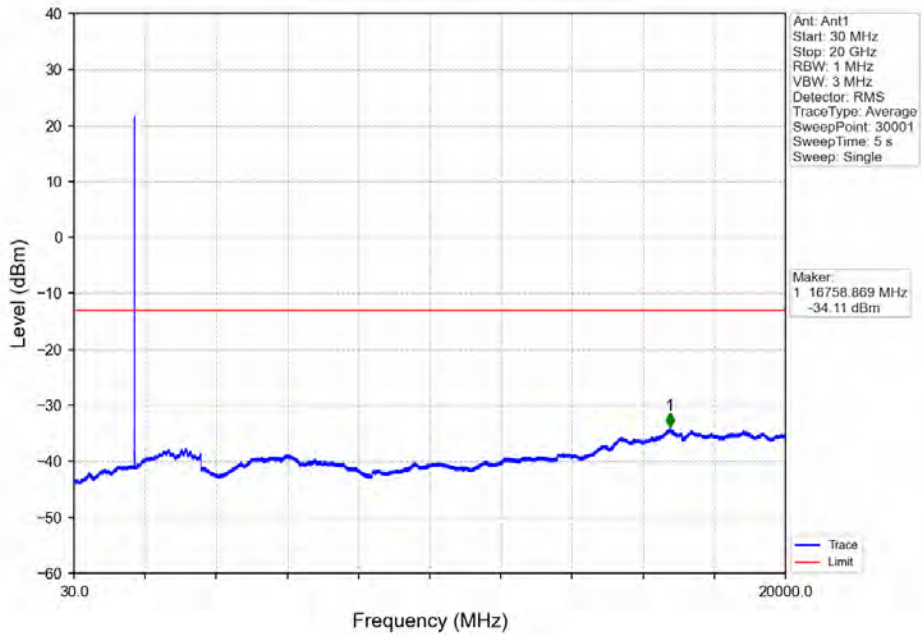
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



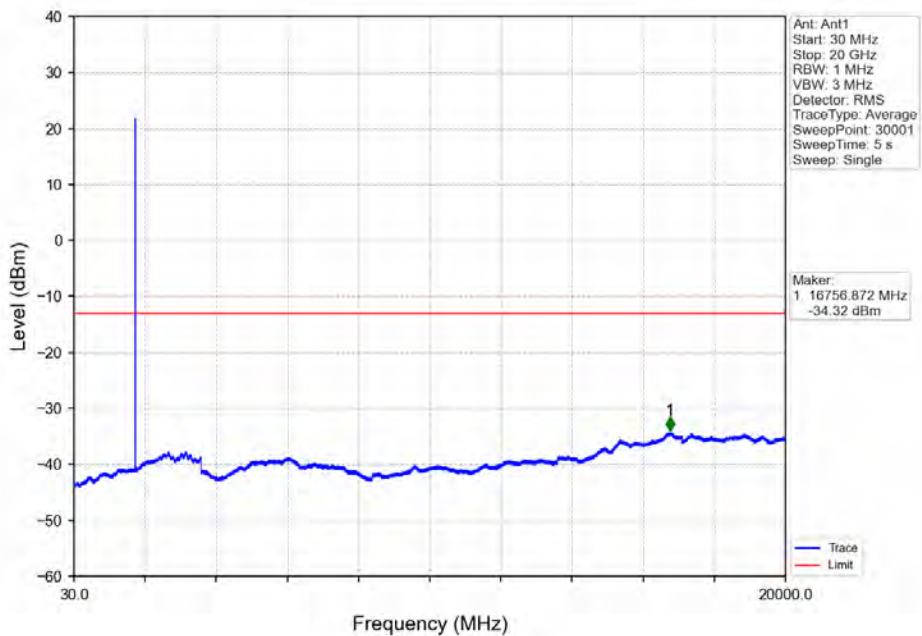
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



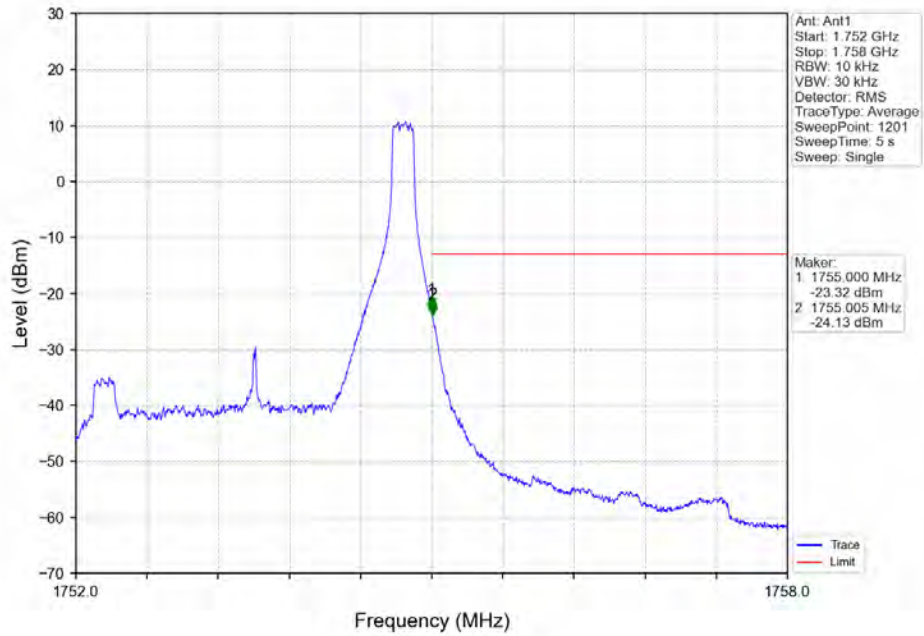
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



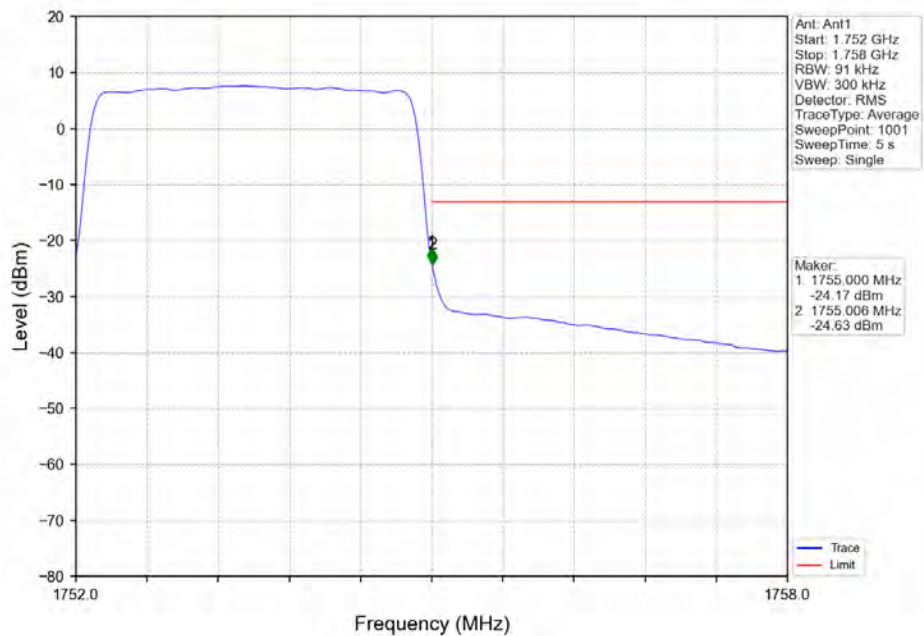
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



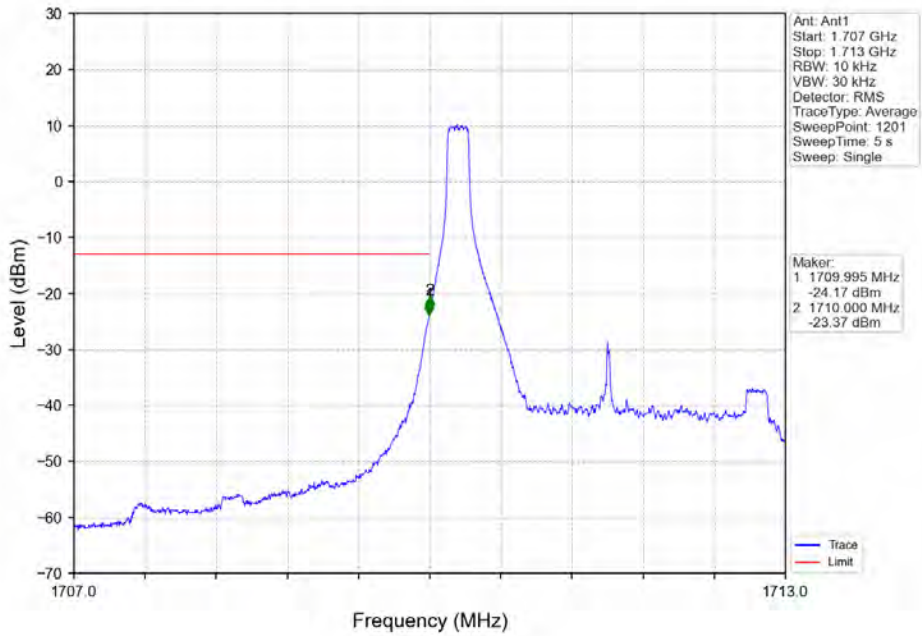
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTNV



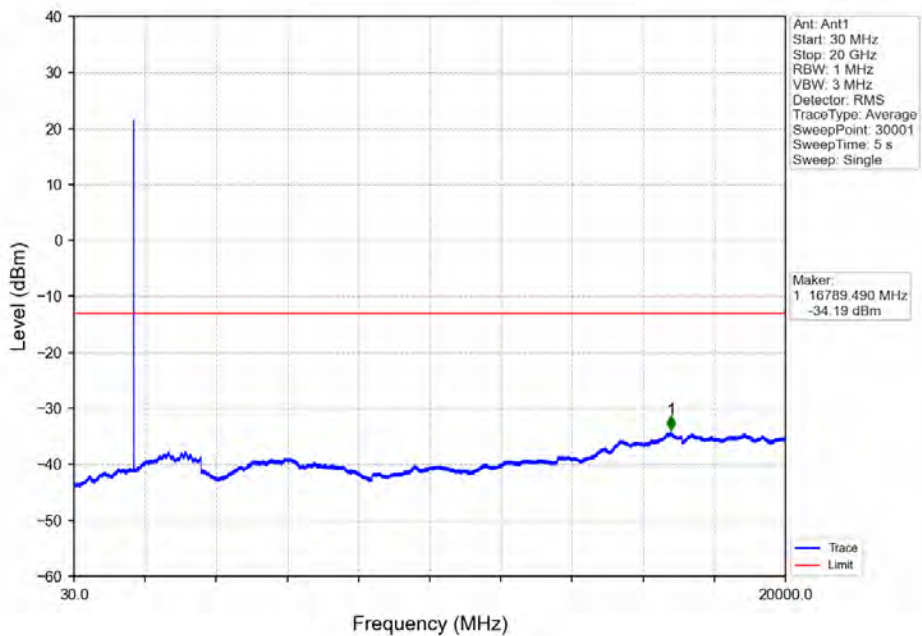
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



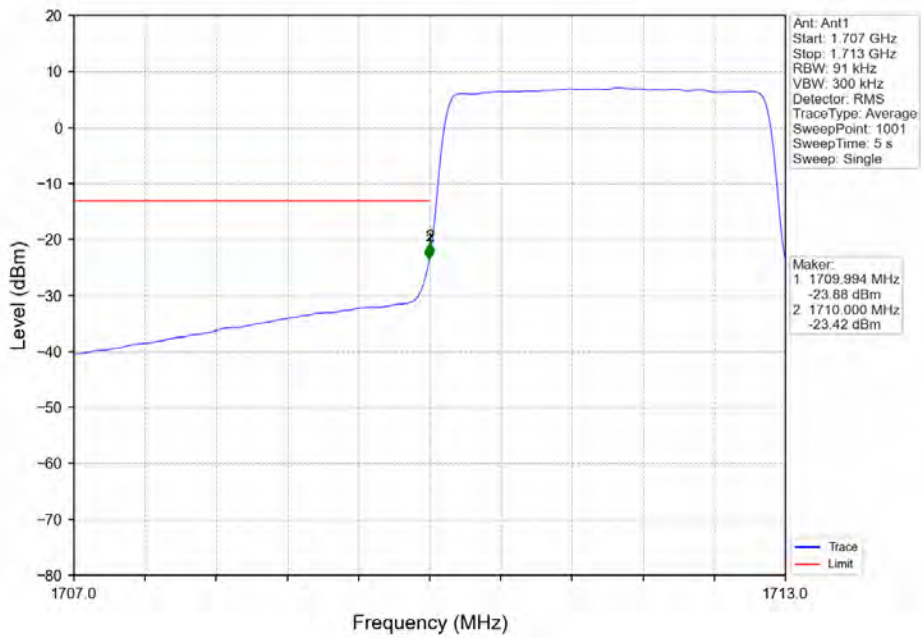
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV



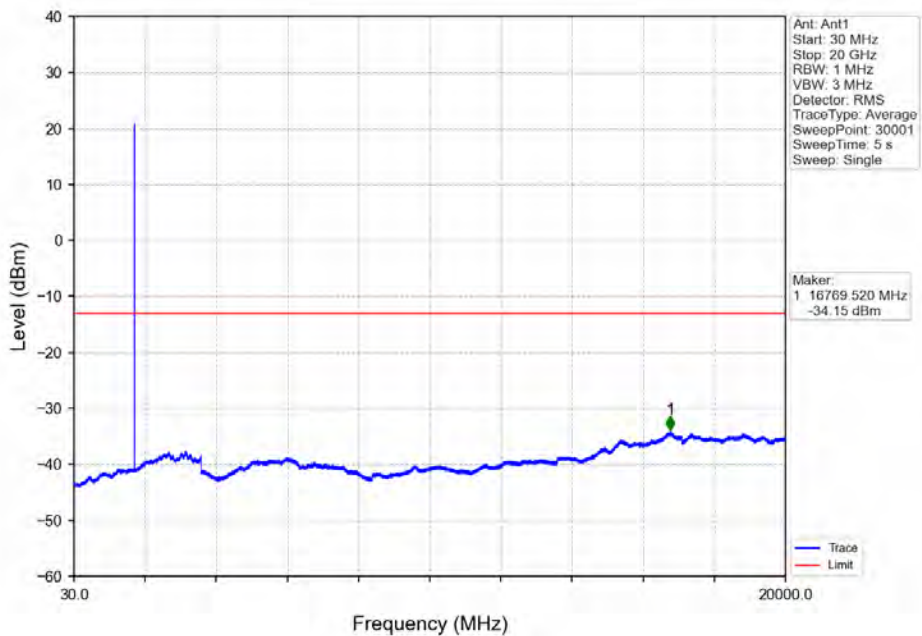
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV



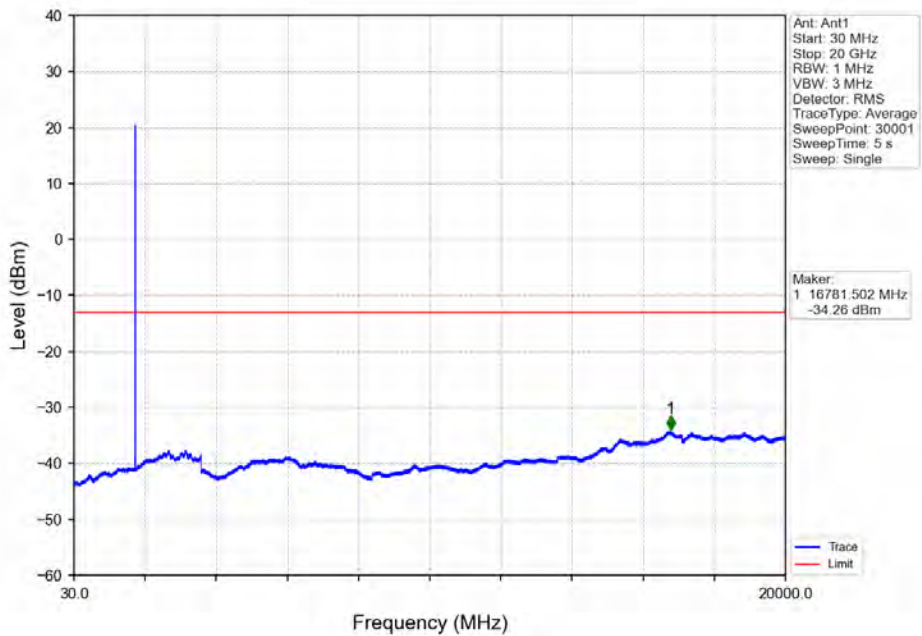
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



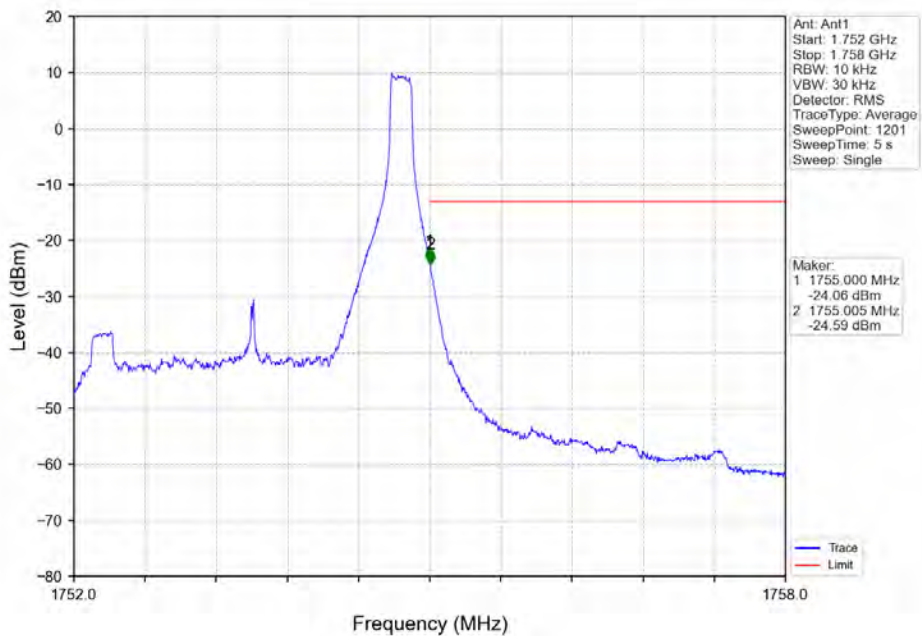
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



Band4_3MHz_64QAM_HCH_1753.5MHz_RB_1_0_NTNV

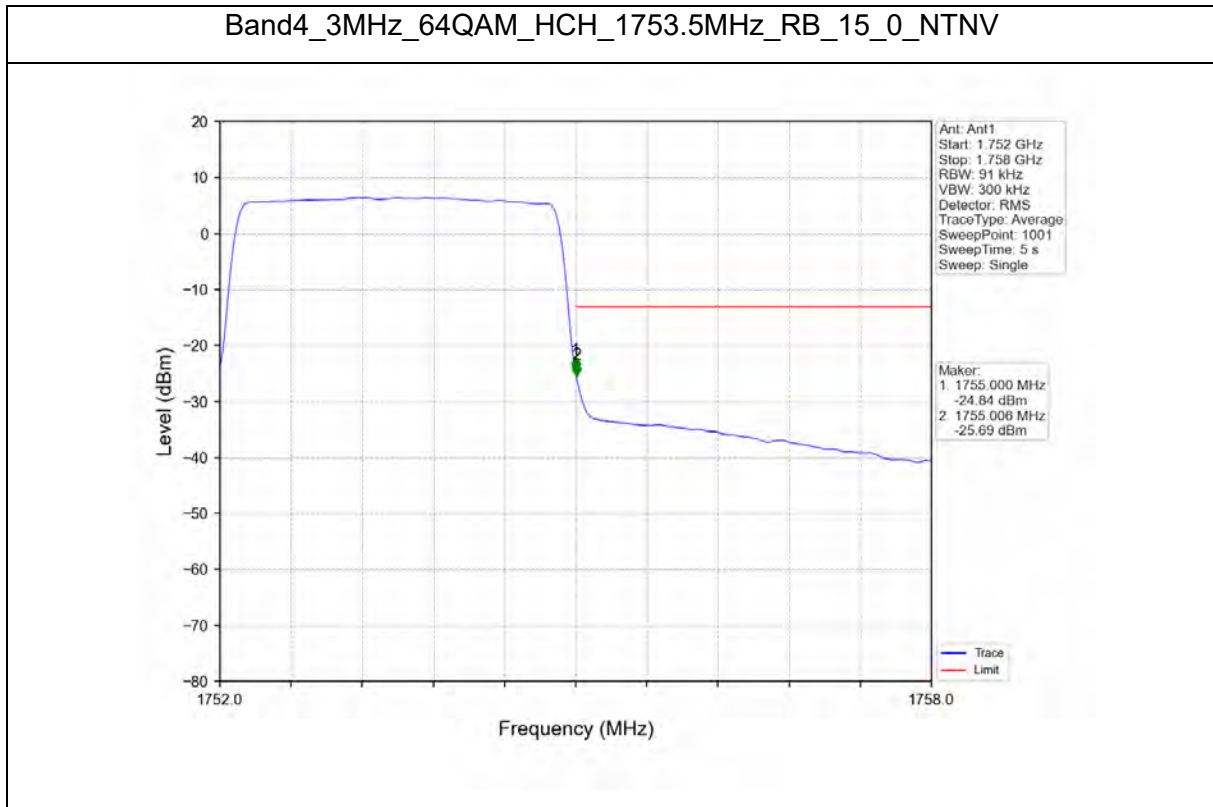


Band4_3MHz_64QAM_HCH_1753.5MHz_RB_1_14_NTNV





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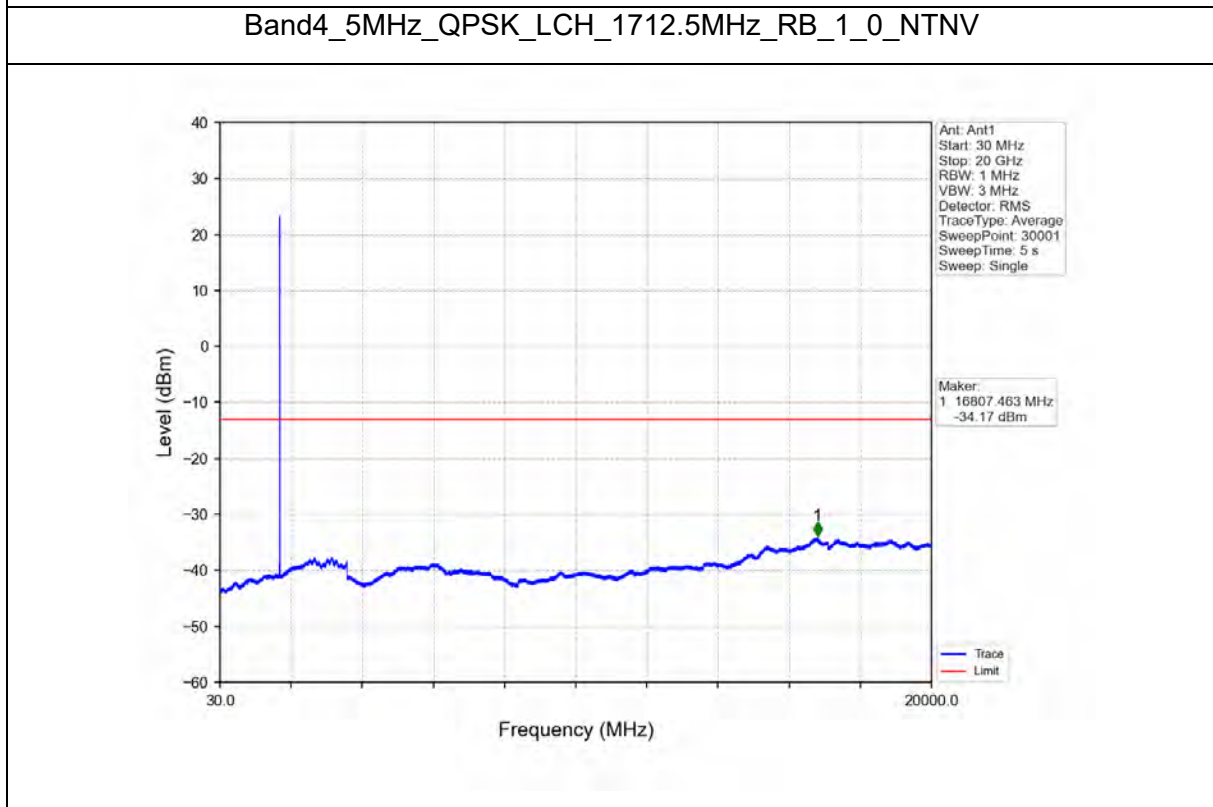
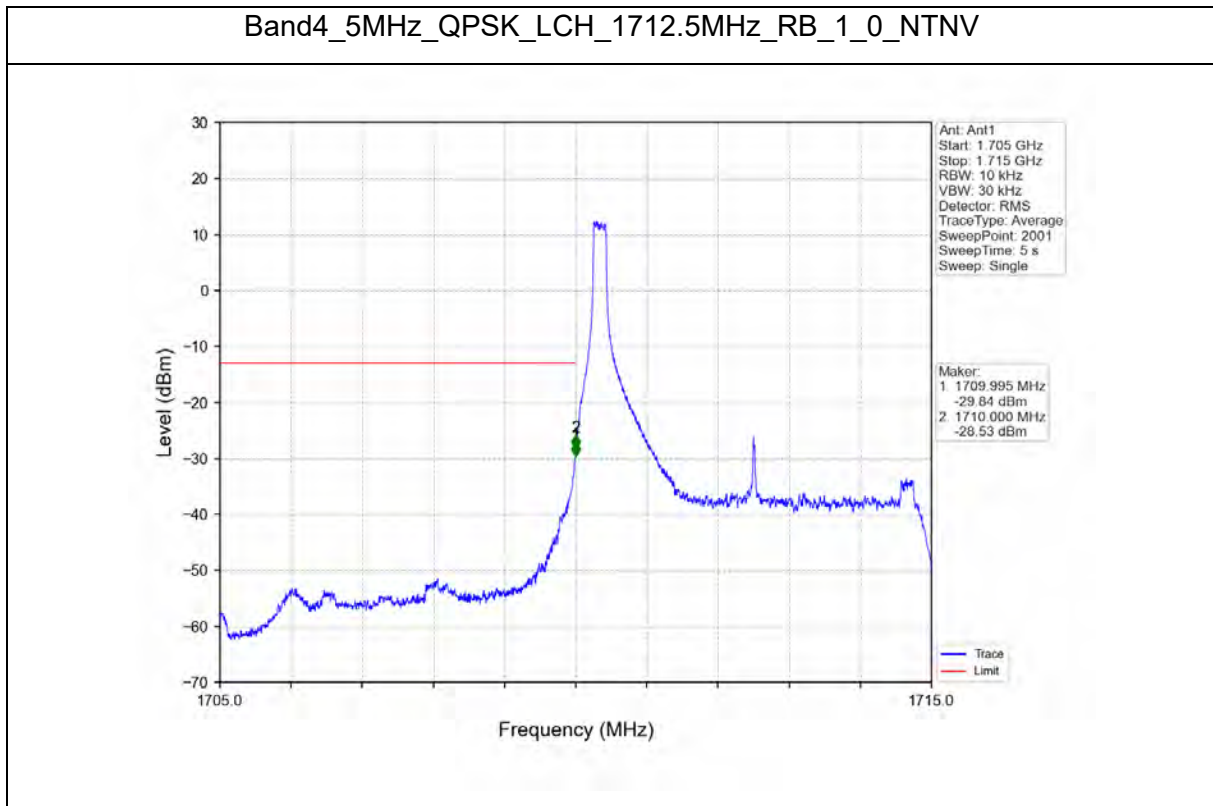
Test Report No.: W7L-P21100026RF15

B4_5MHZ

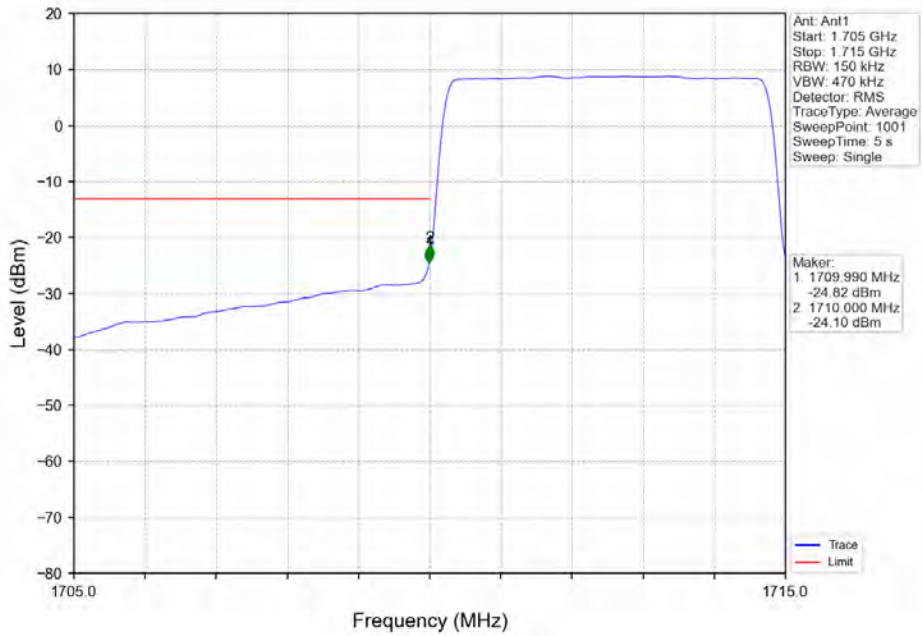
TEST RESULT

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
25	0	Refer To Test Graph		Pass		
16QAM	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
25	0	Refer To Test Graph		Pass		
64QAM	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
25	0	Refer To Test Graph		Pass		

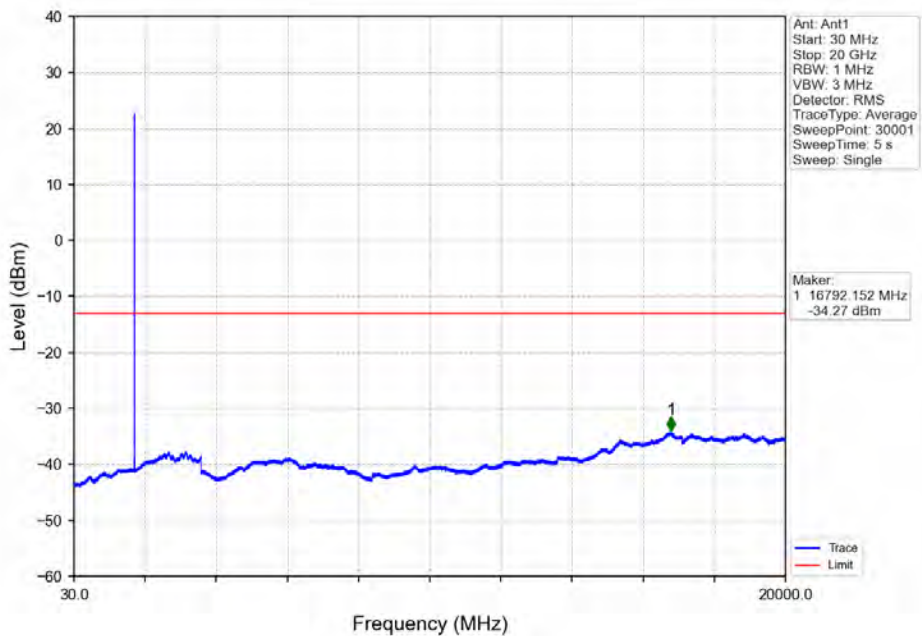
TEST GRAPH



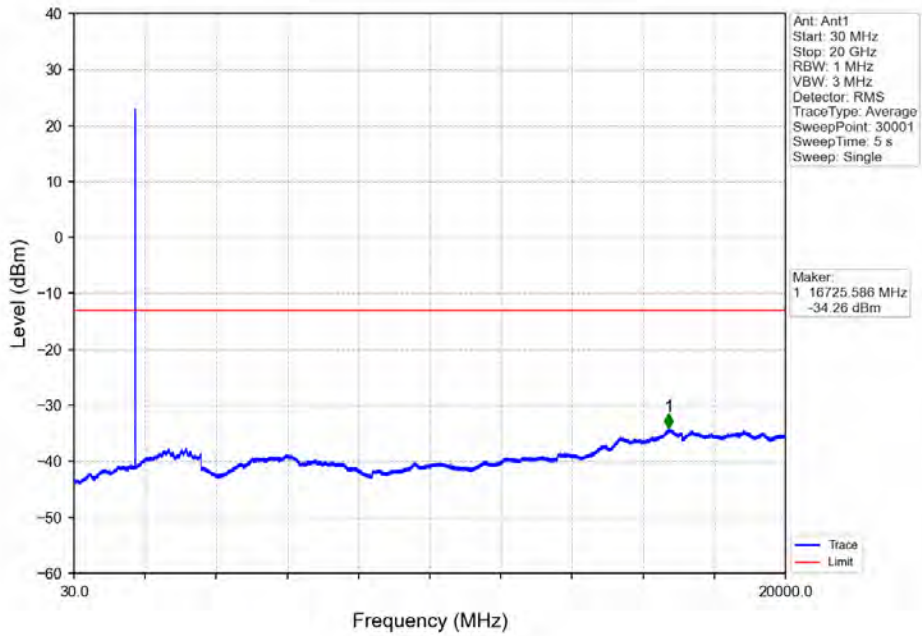
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



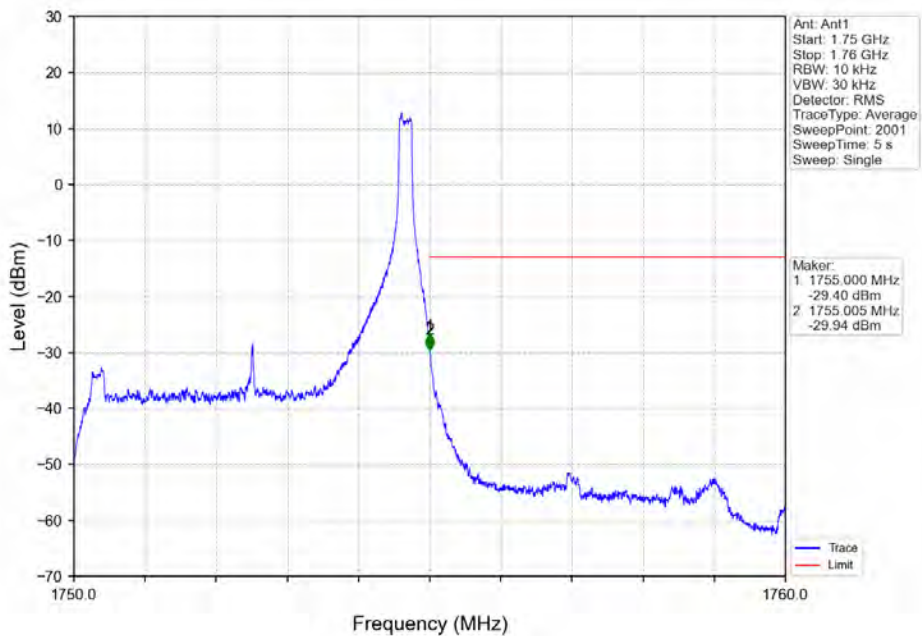
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



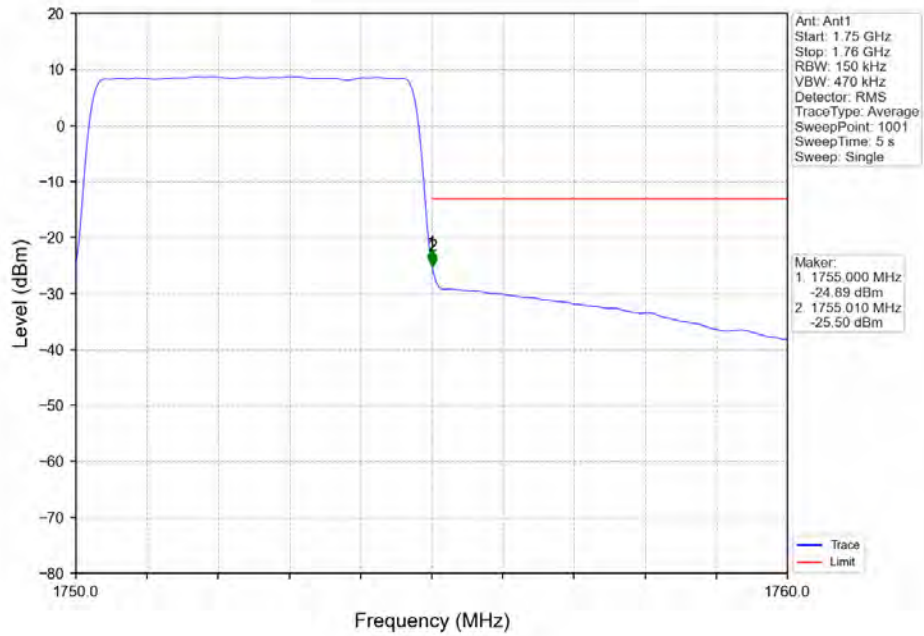
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



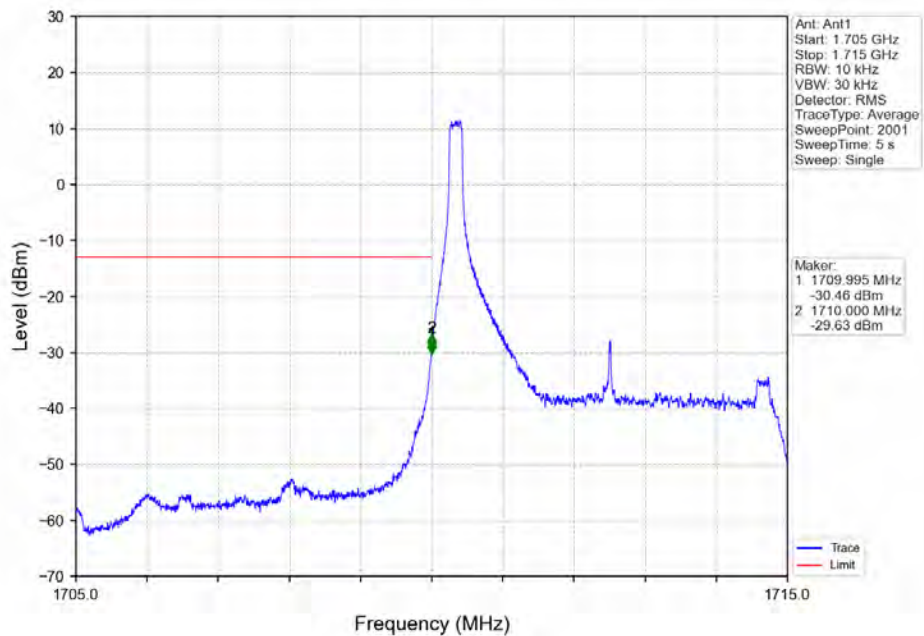
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



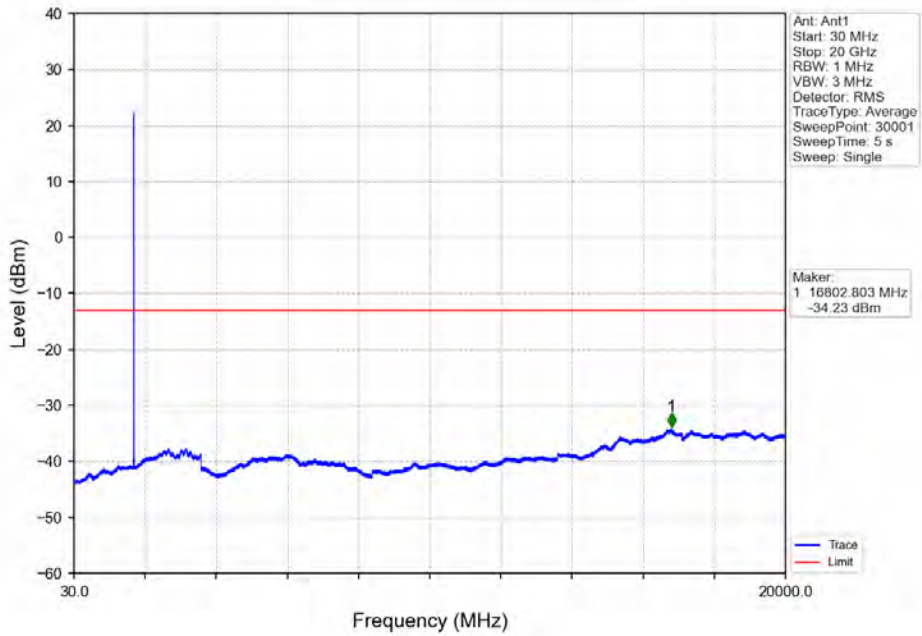
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



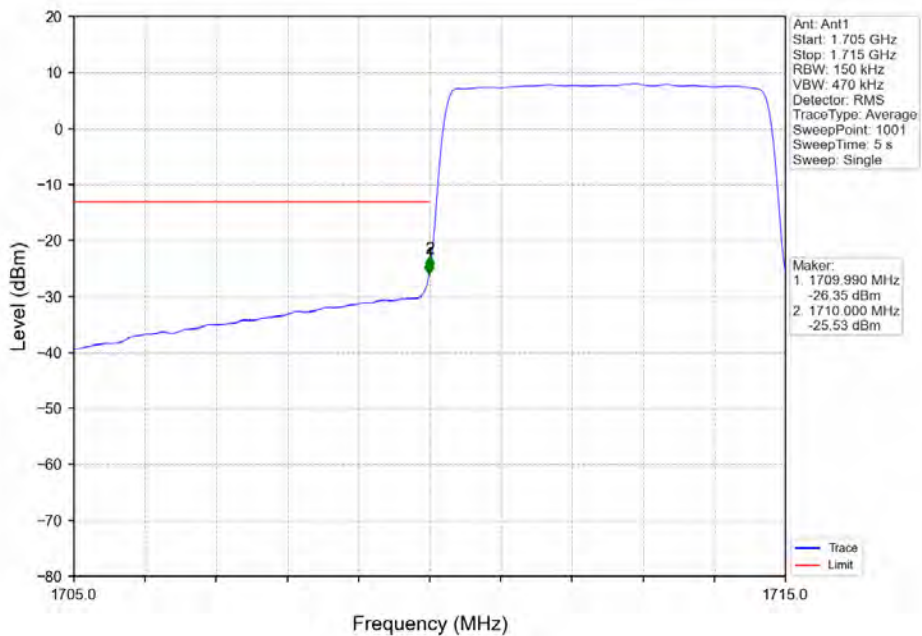
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



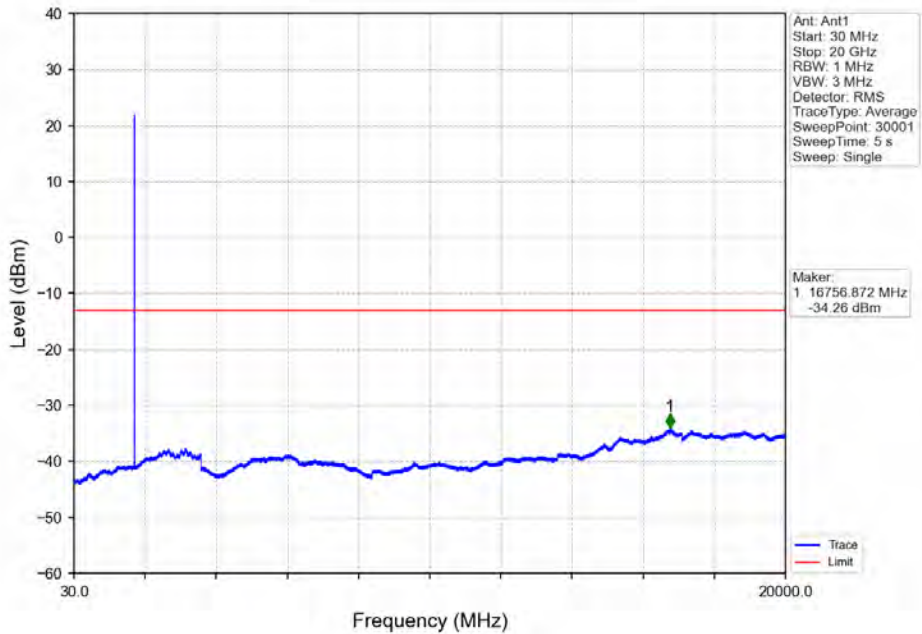
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



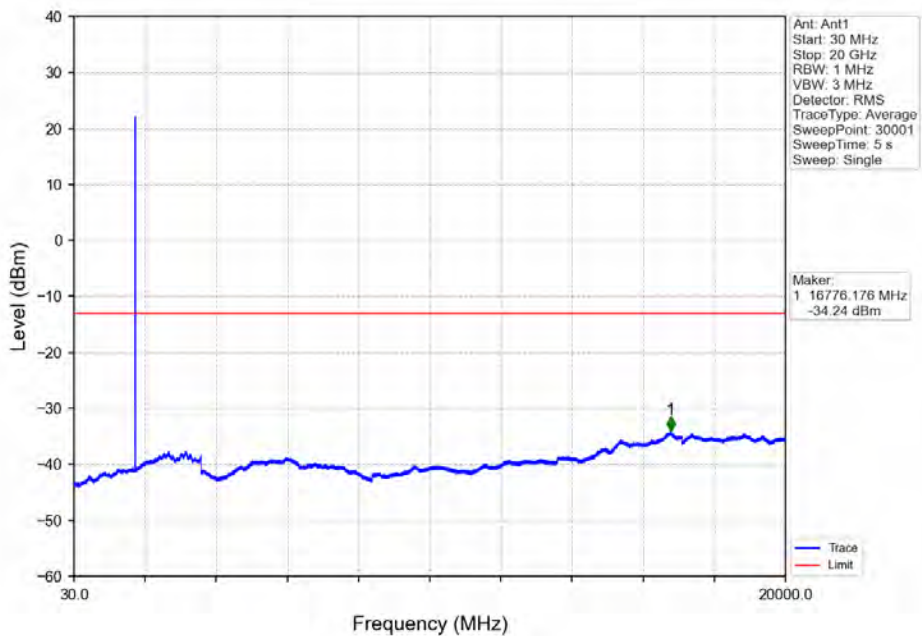
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



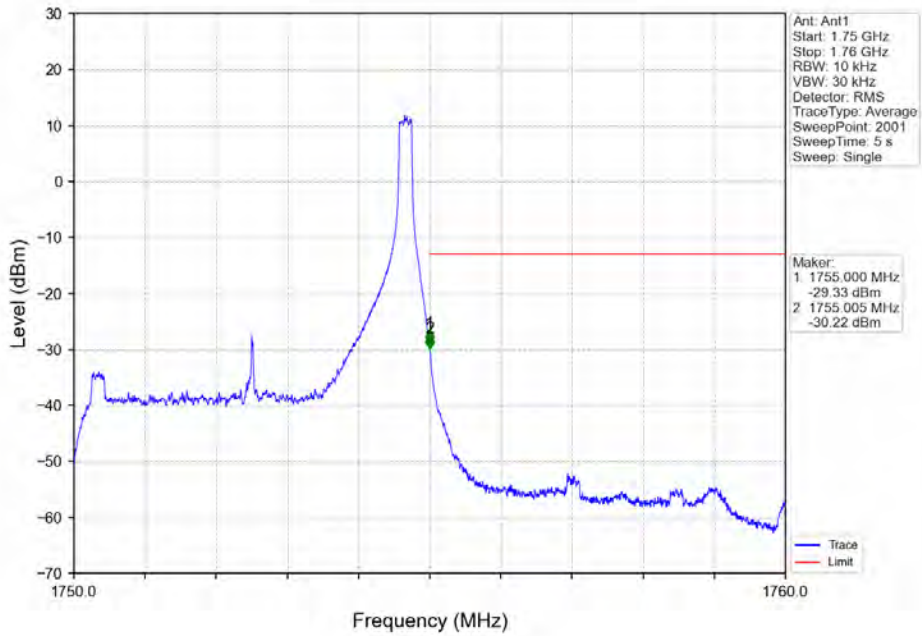
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



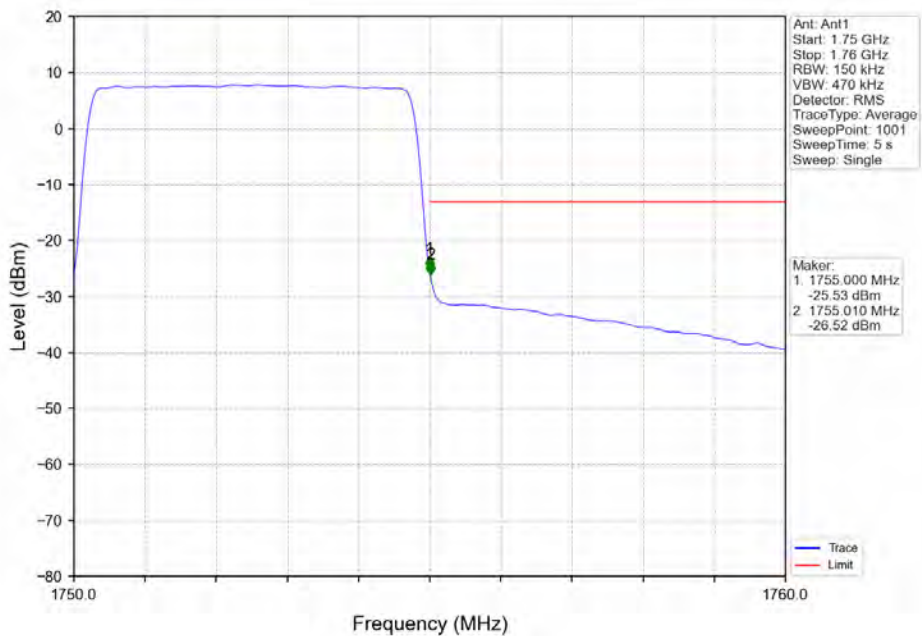
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV



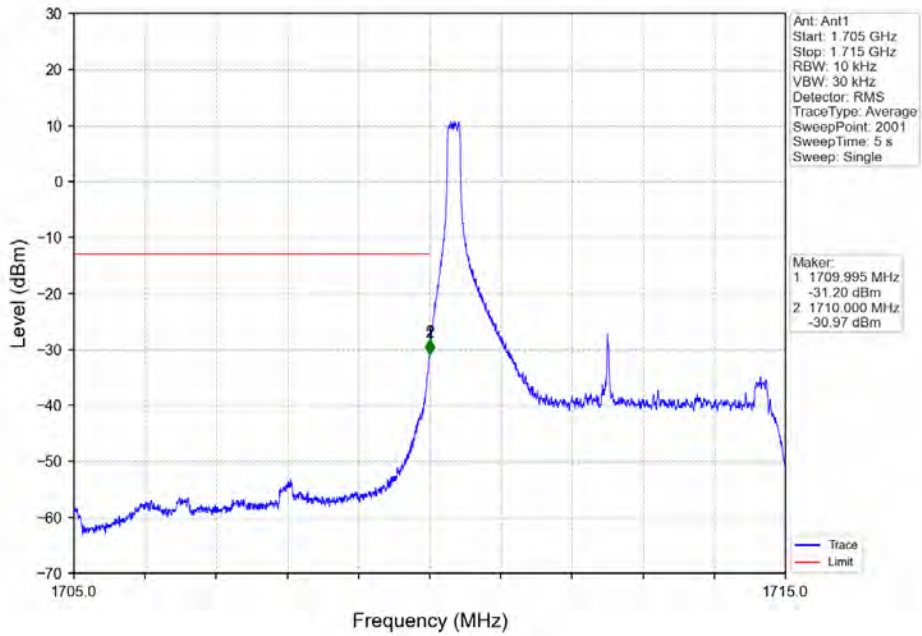
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_24_NTNV



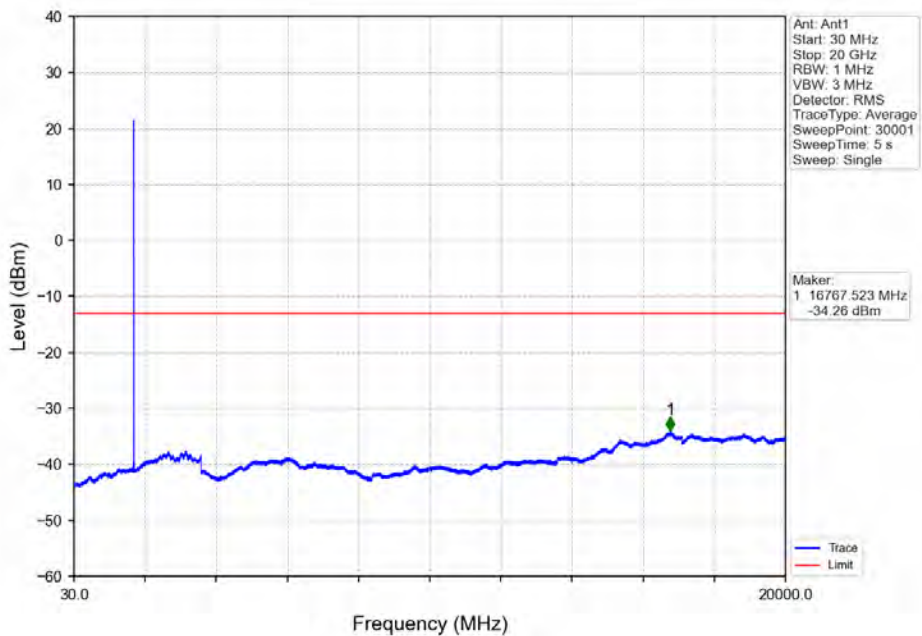
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



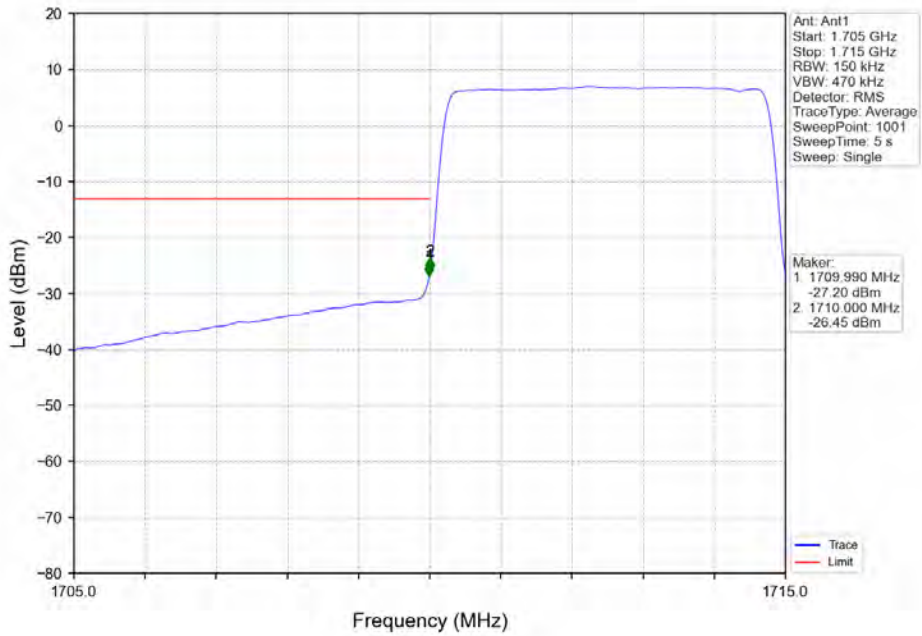
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV



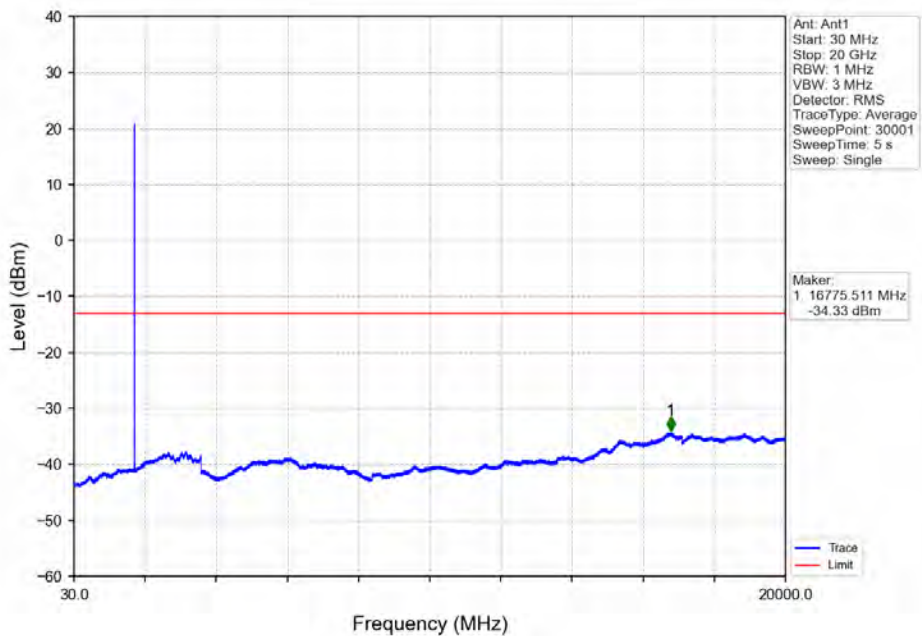
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV



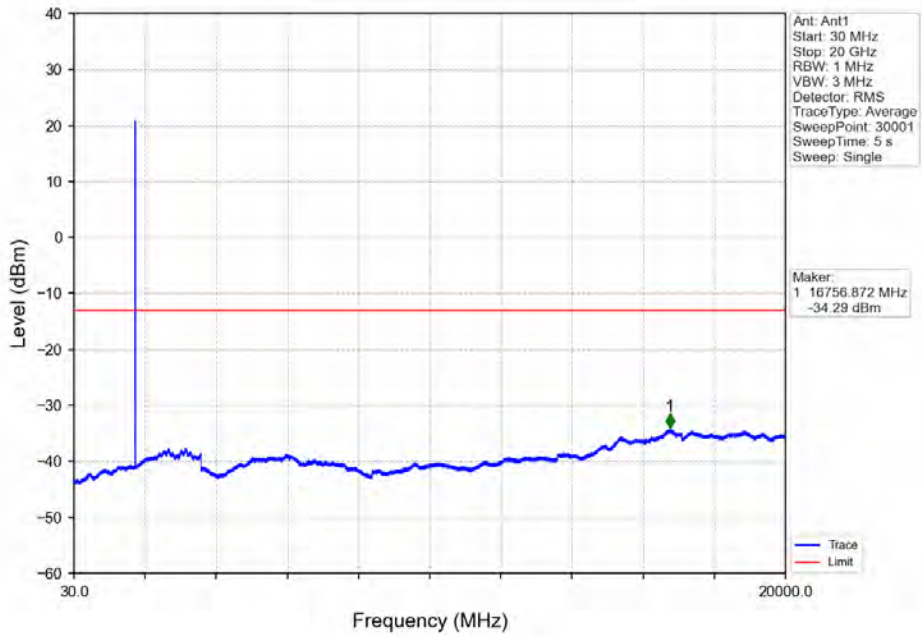
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



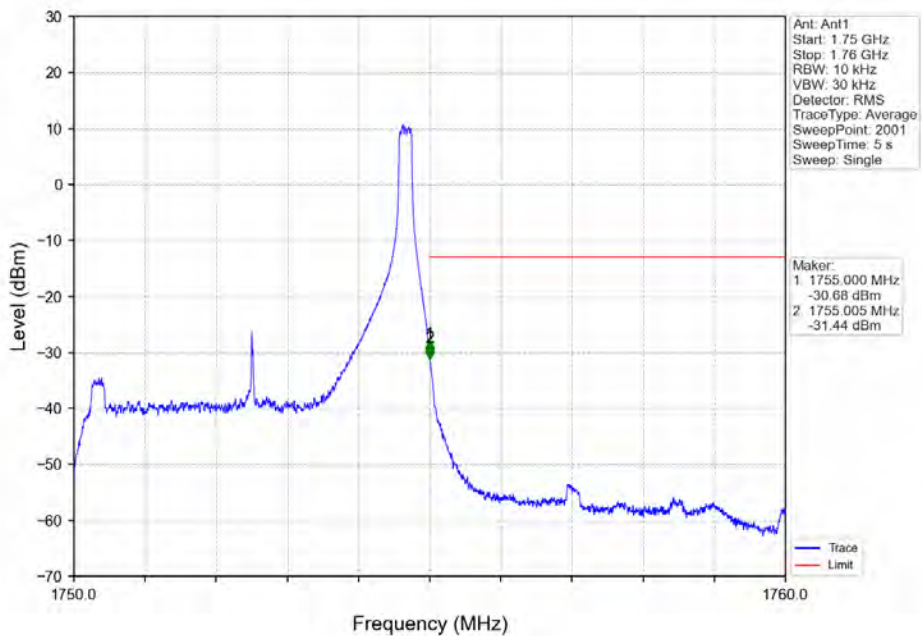
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



Band4_5MHz_64QAM_HCH_1752.5MHz_RB_1_0_NTNV

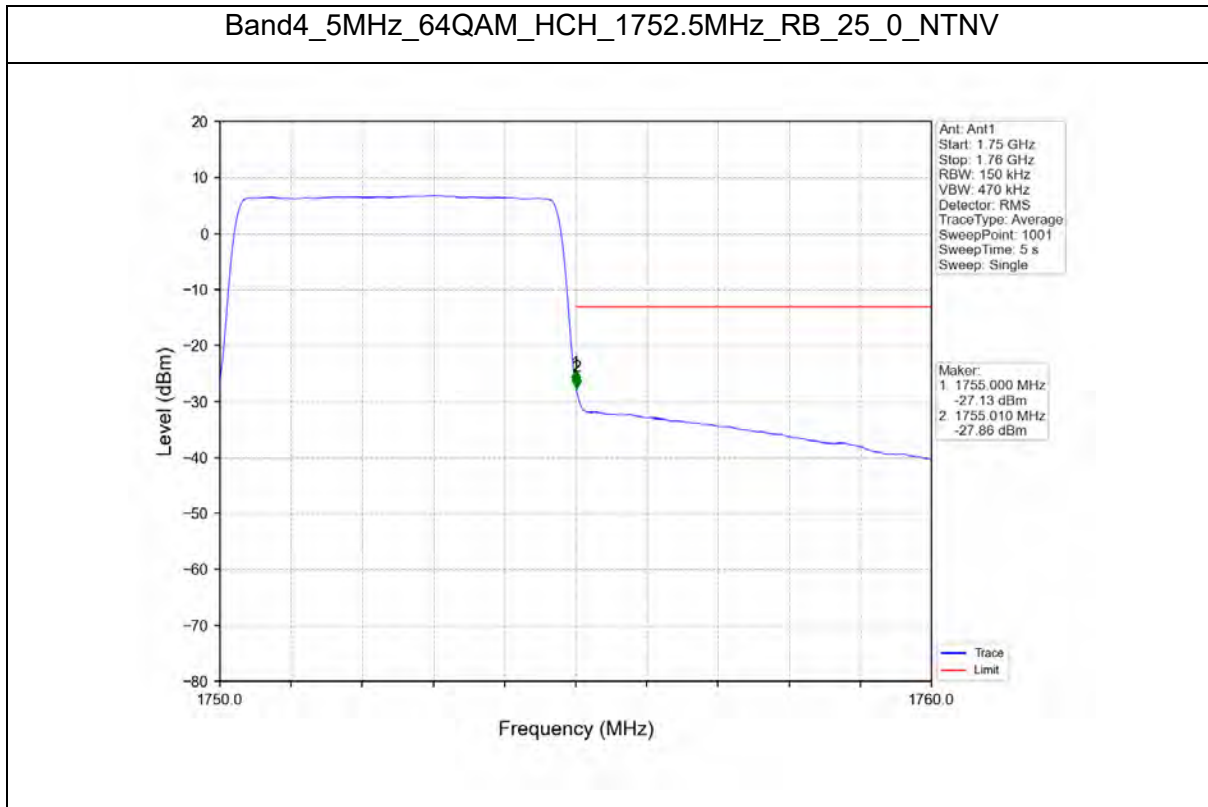


Band4_5MHz_64QAM_HCH_1752.5MHz_RB_1_24_NTNV





Test Report No.: W7L-P21100026RF15



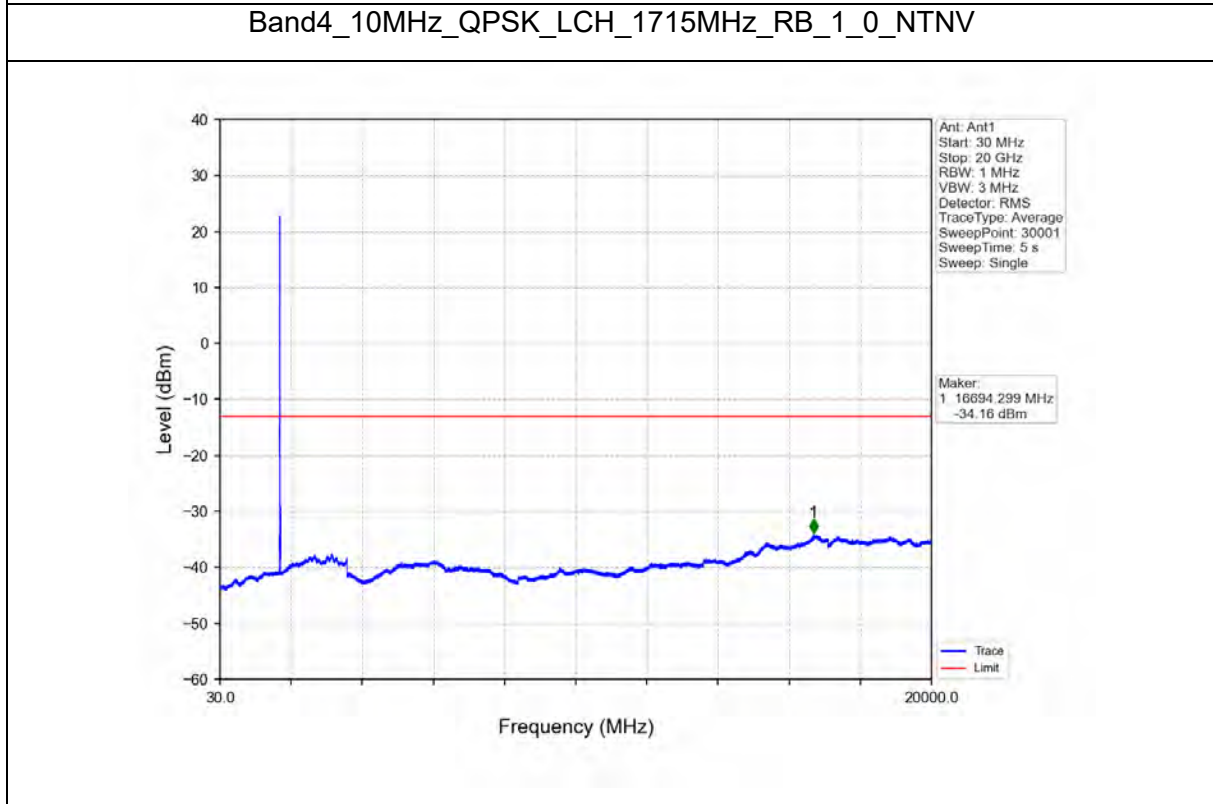
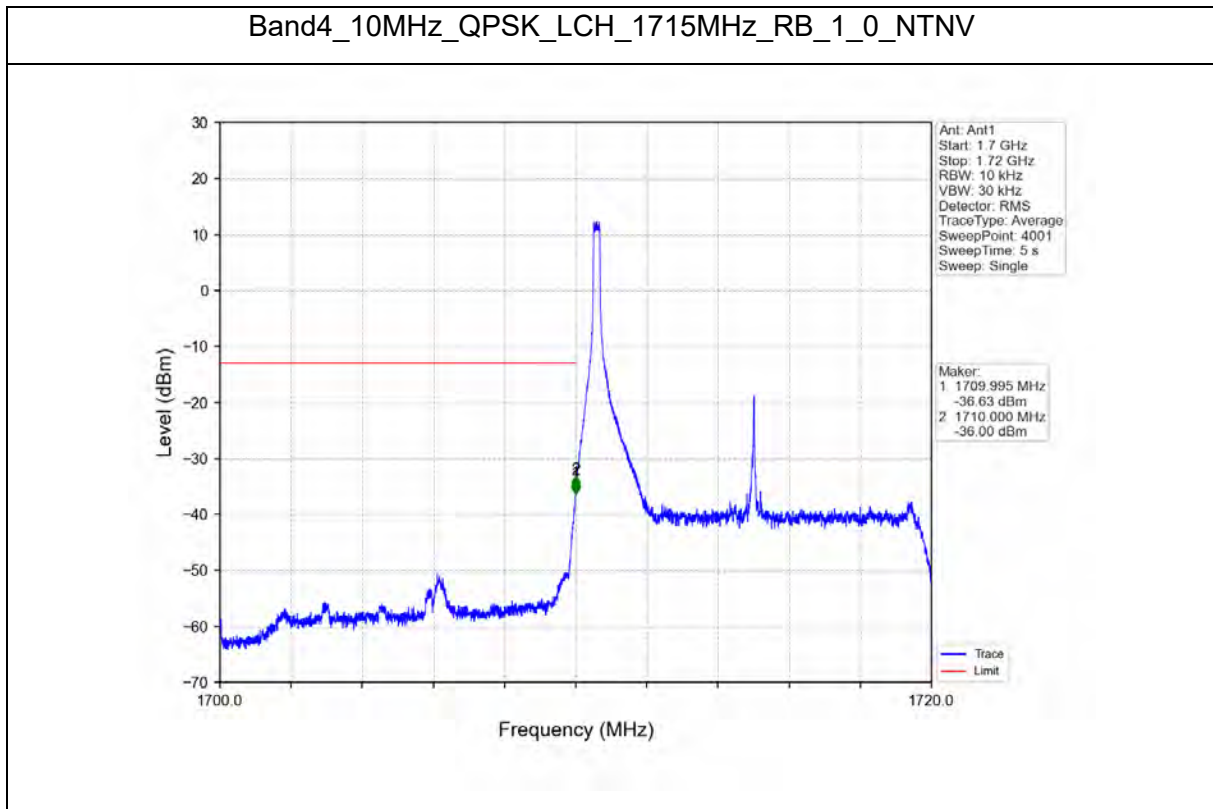


B4_10MHZ

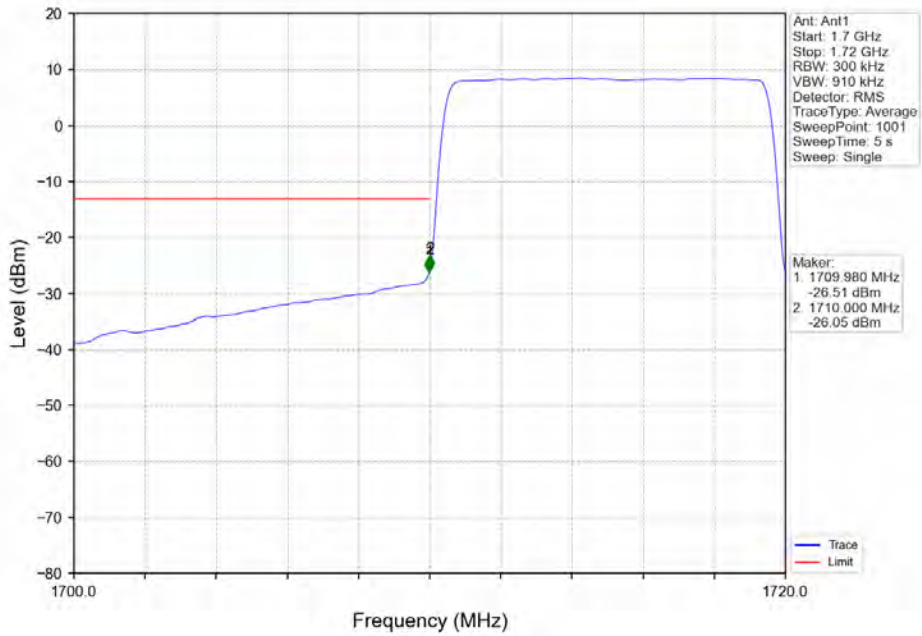
TEST RESULT

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
	1732.5	1	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
	1732.5	1	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
	1732.5	1	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		

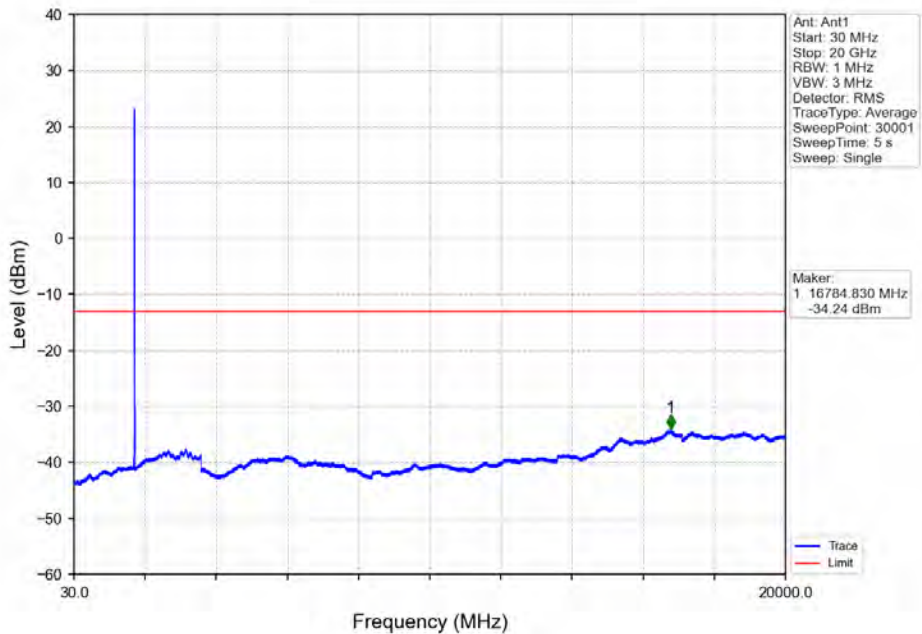
TEST GRAPH



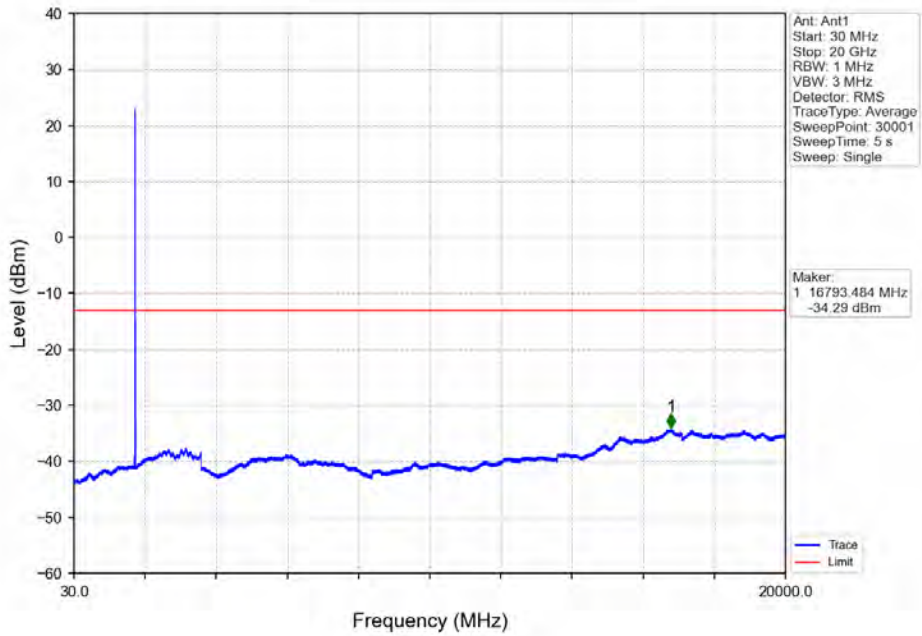
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



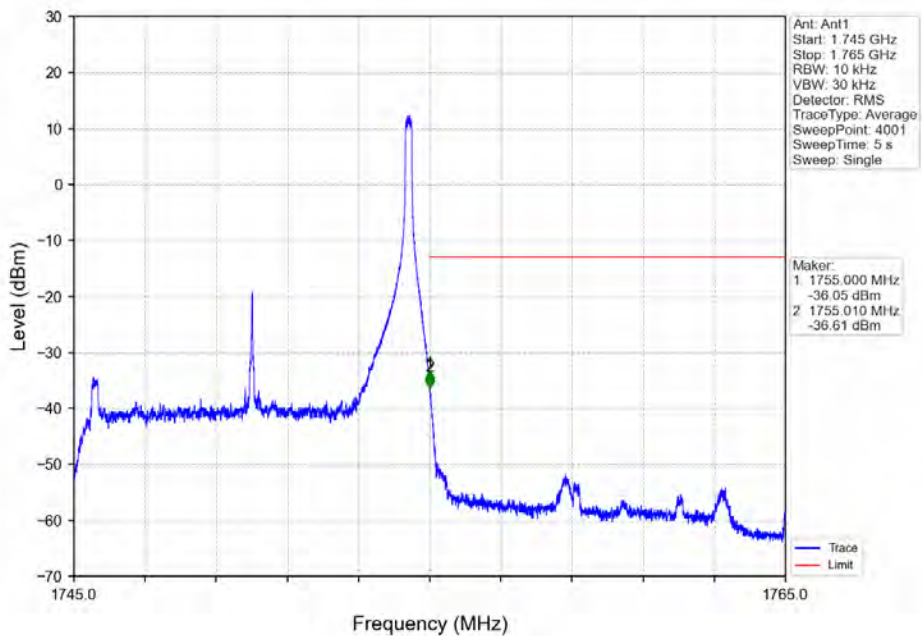
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



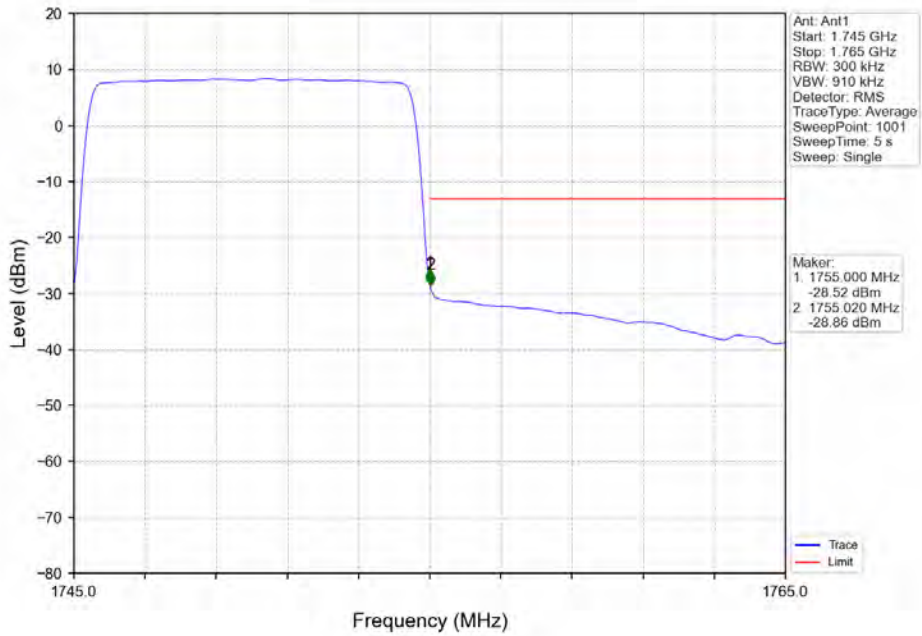
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



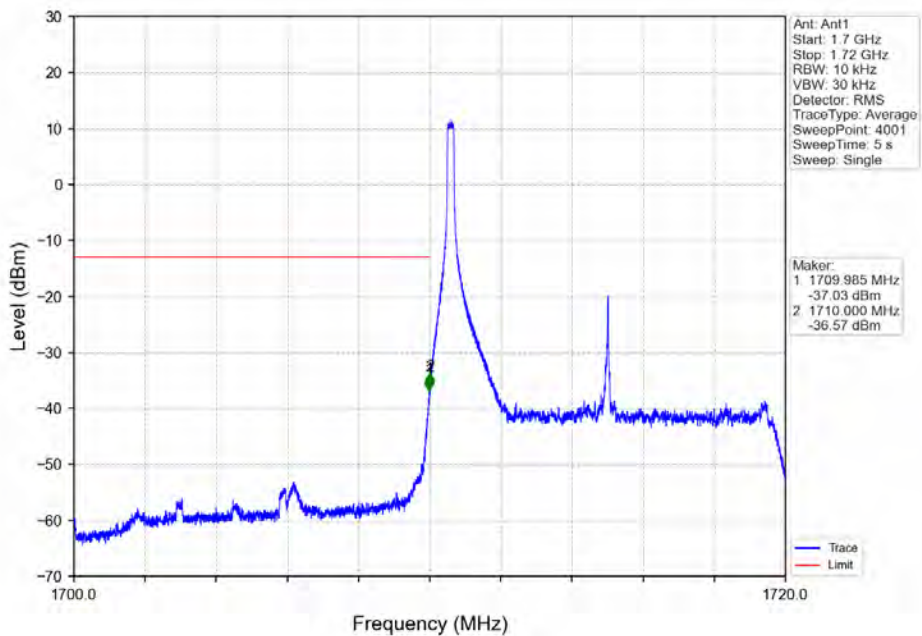
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



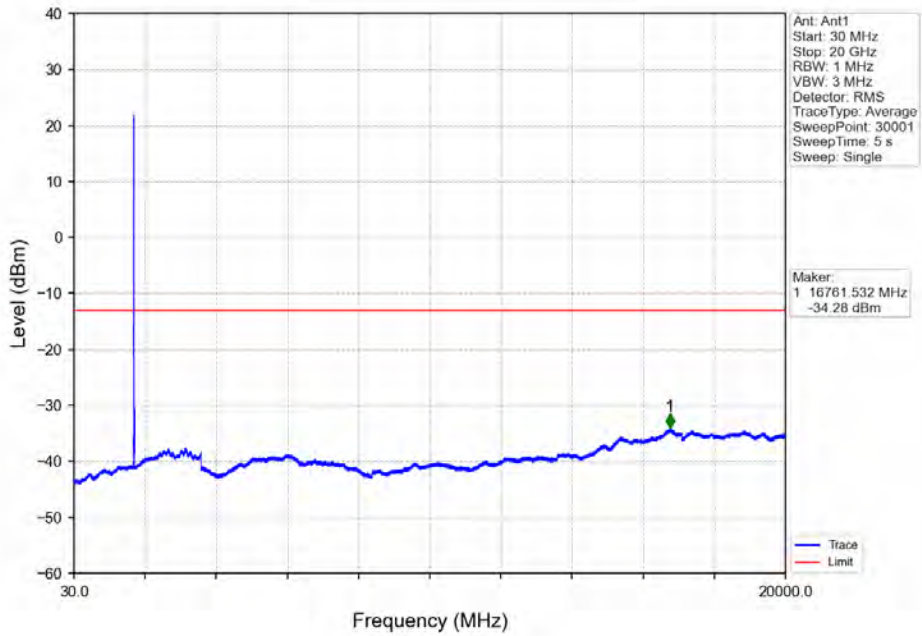
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



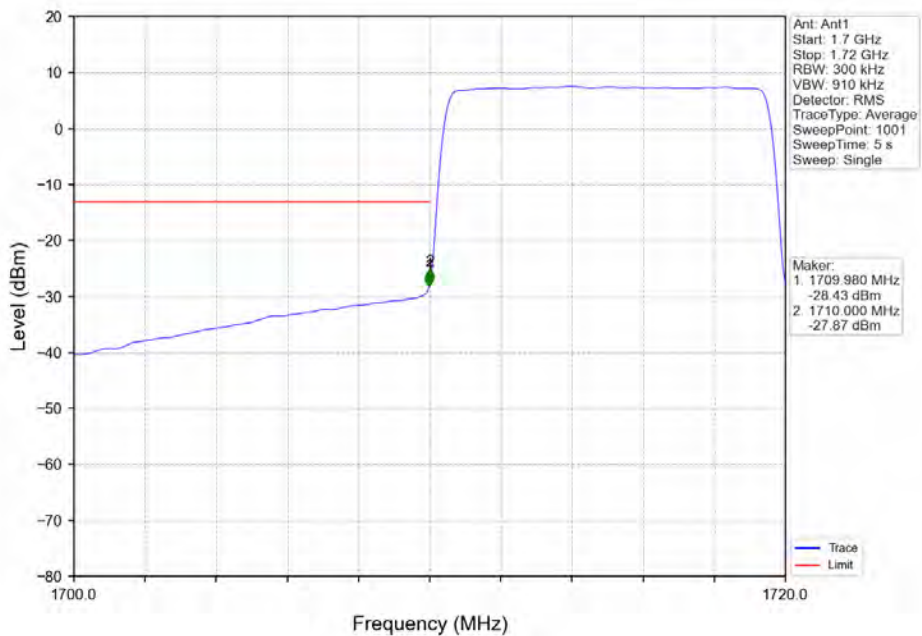


Test Report No.: W7L-P21100026RF15

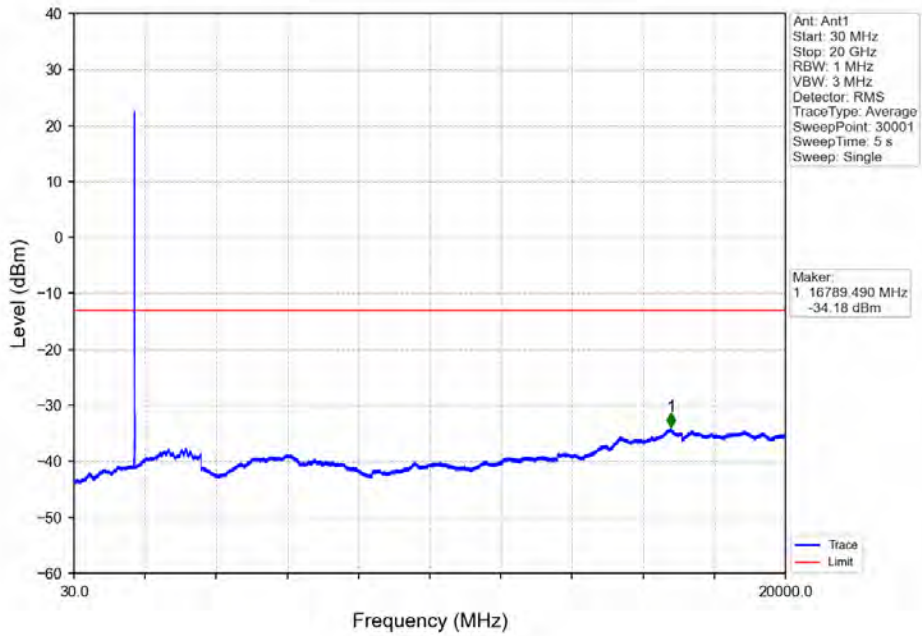
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



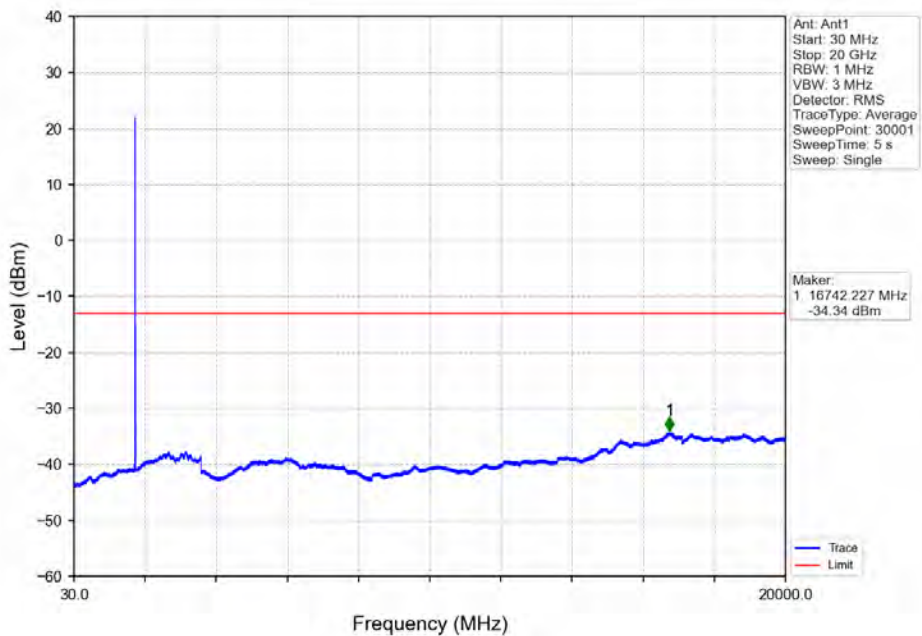
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



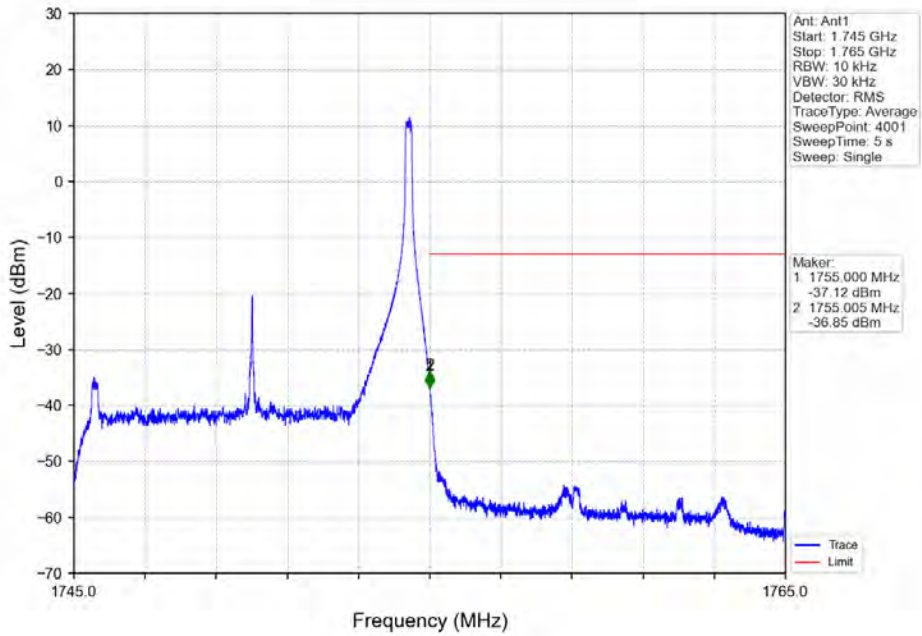
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



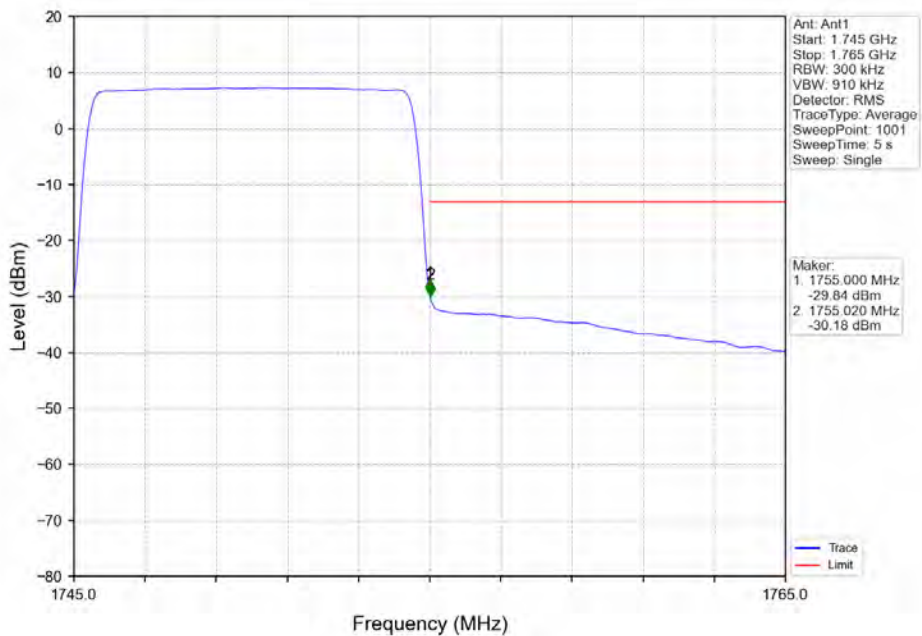
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



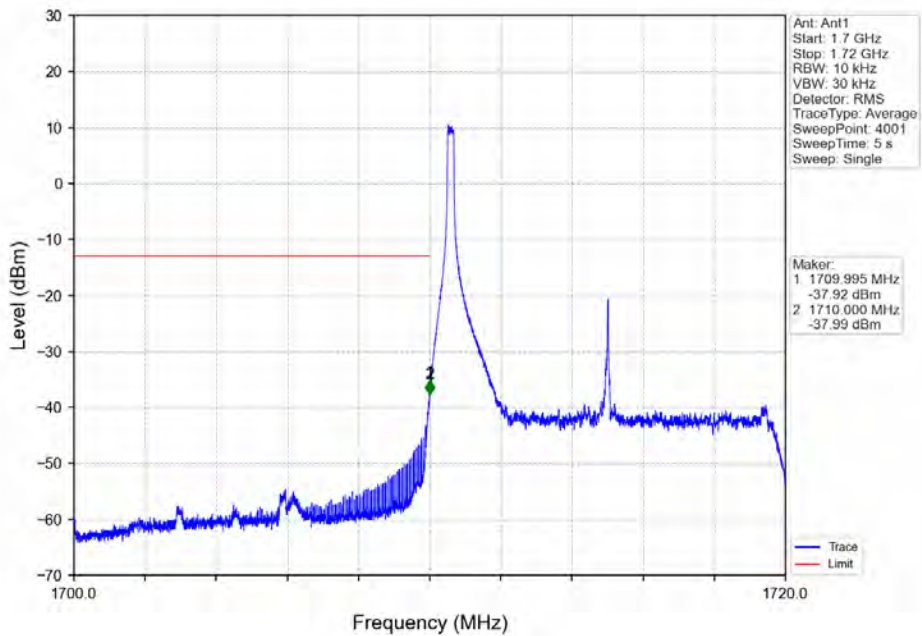
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



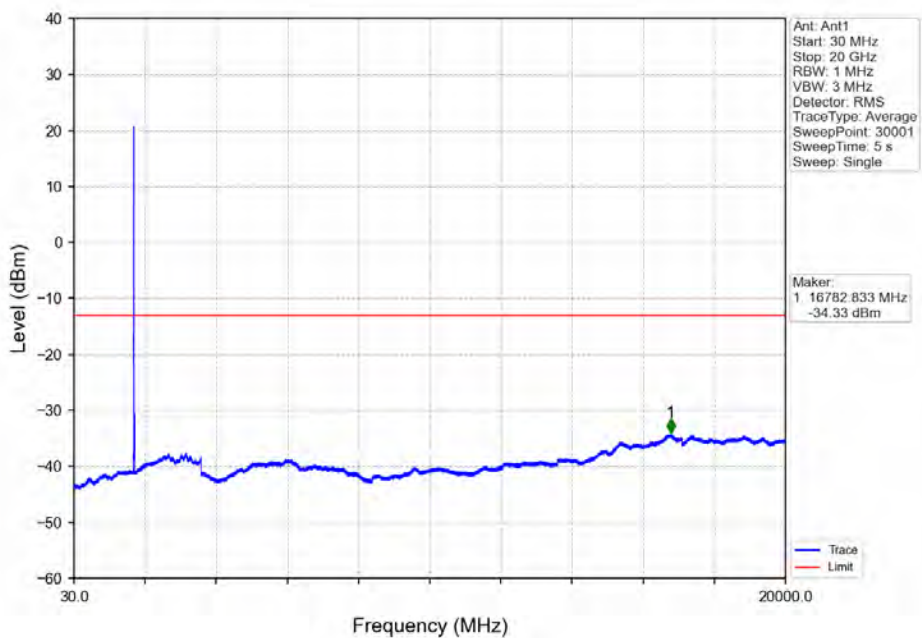
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



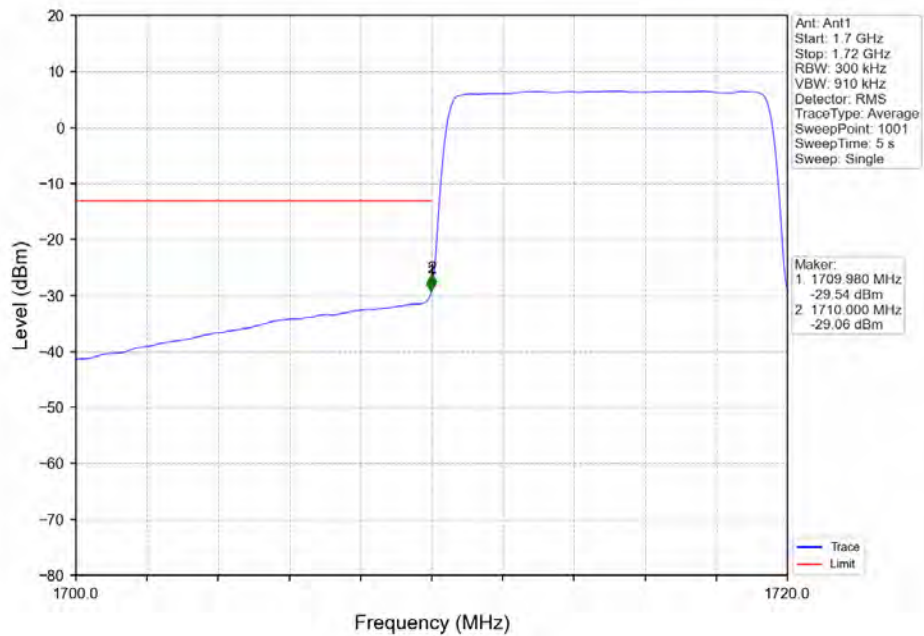
Band4_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV



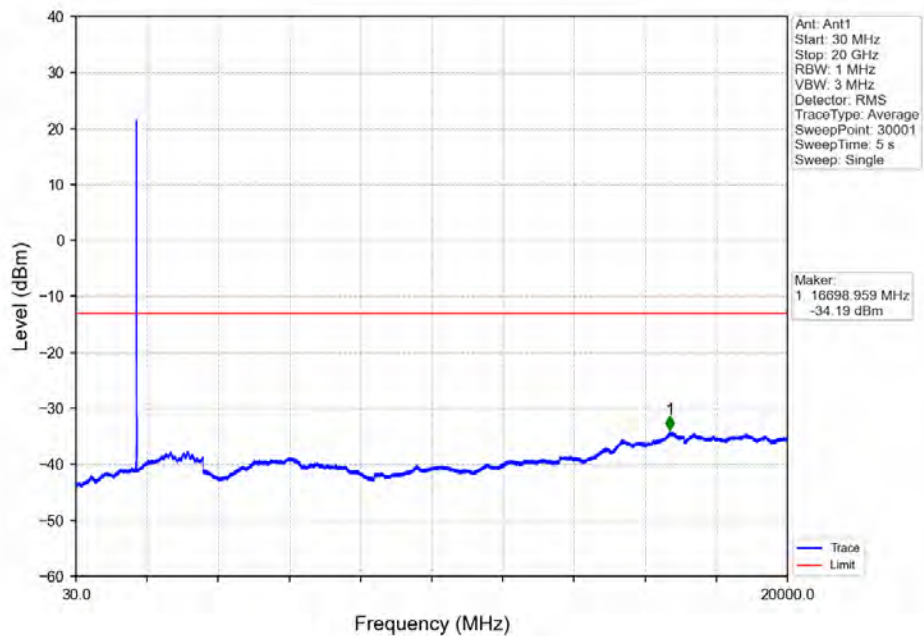
Band4_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV



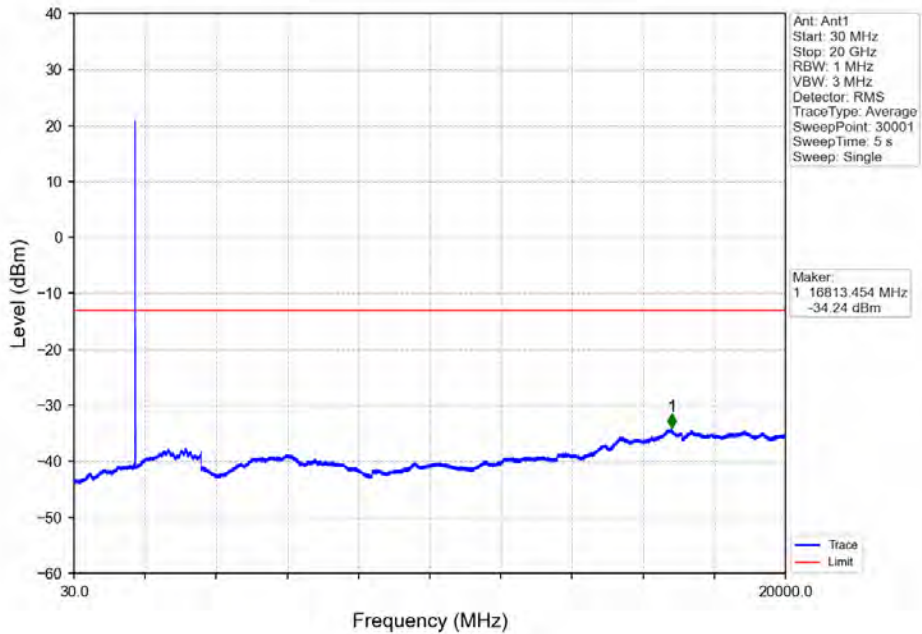
Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



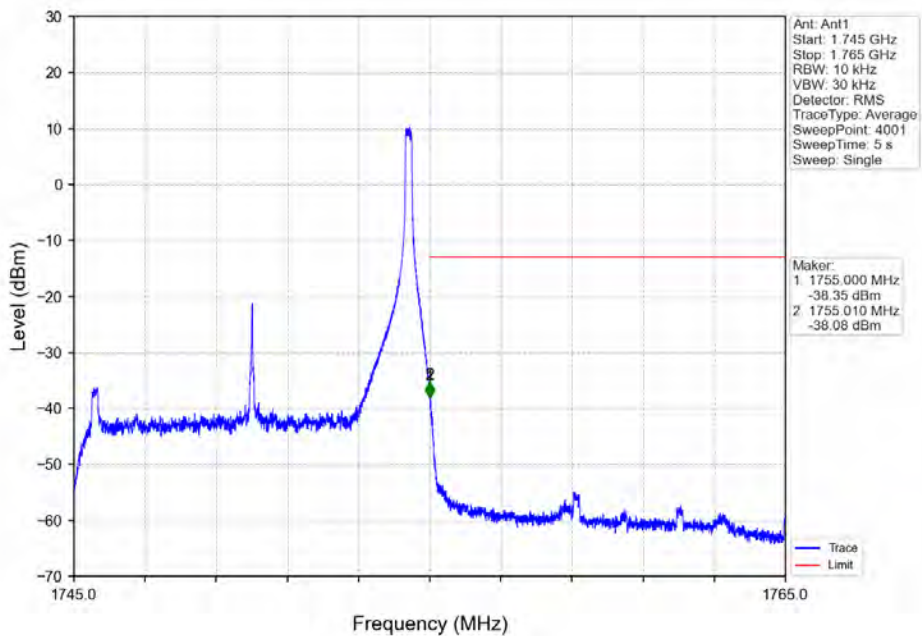
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



Band4_10MHz_64QAM_HCH_1750MHz_RB_1_0_NTNV

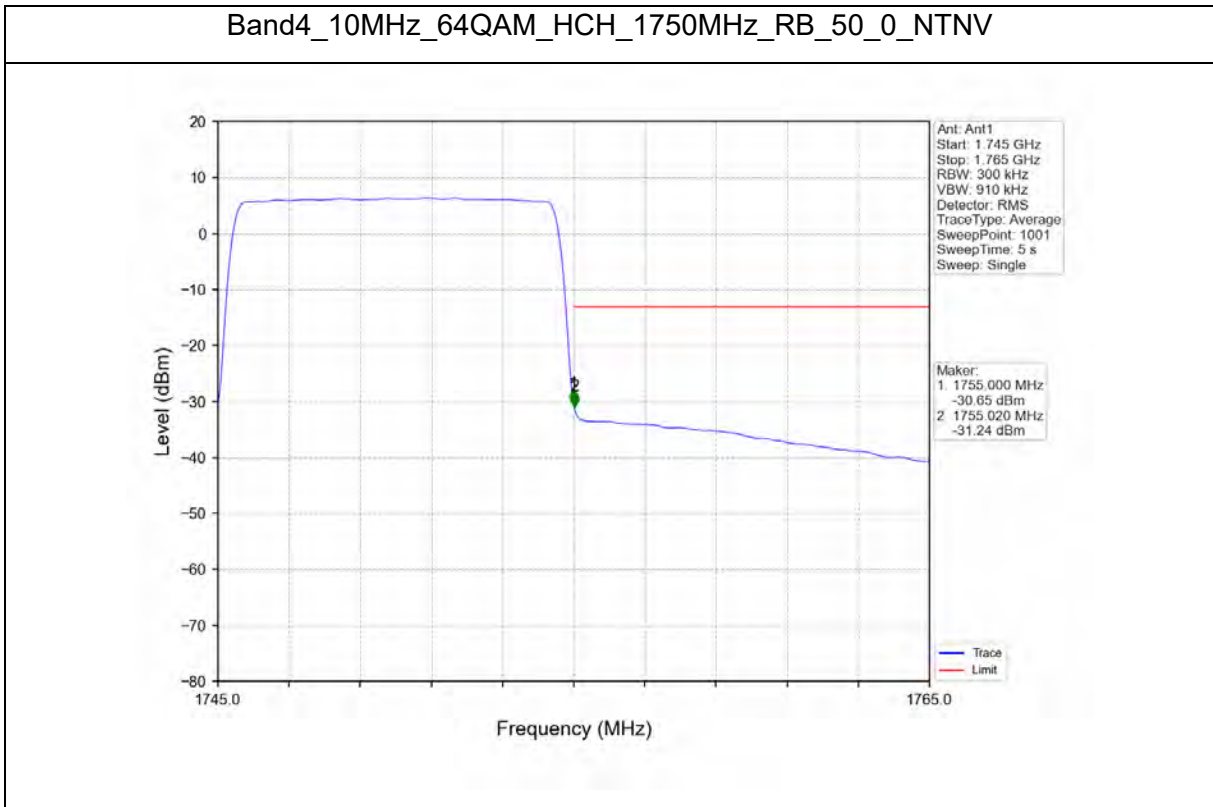


Band4_10MHz_64QAM_HCH_1750MHz_RB_1_49_NTNV





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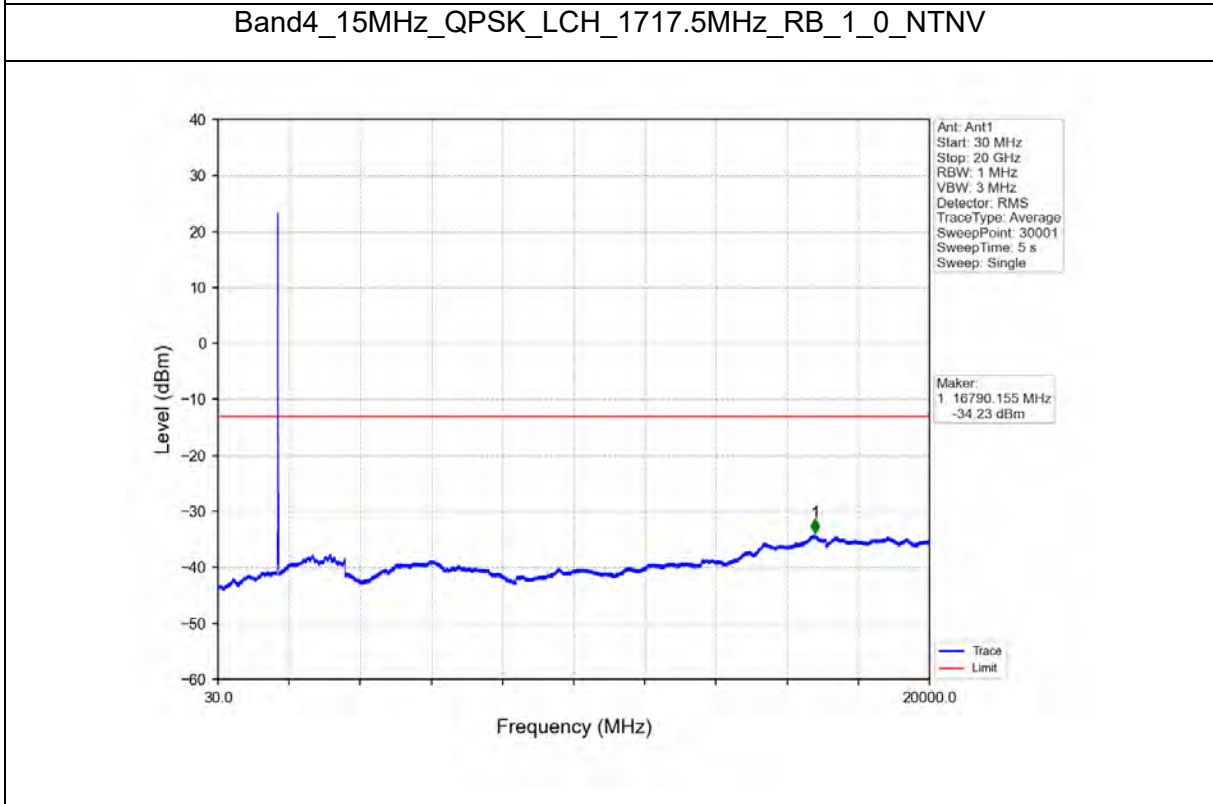
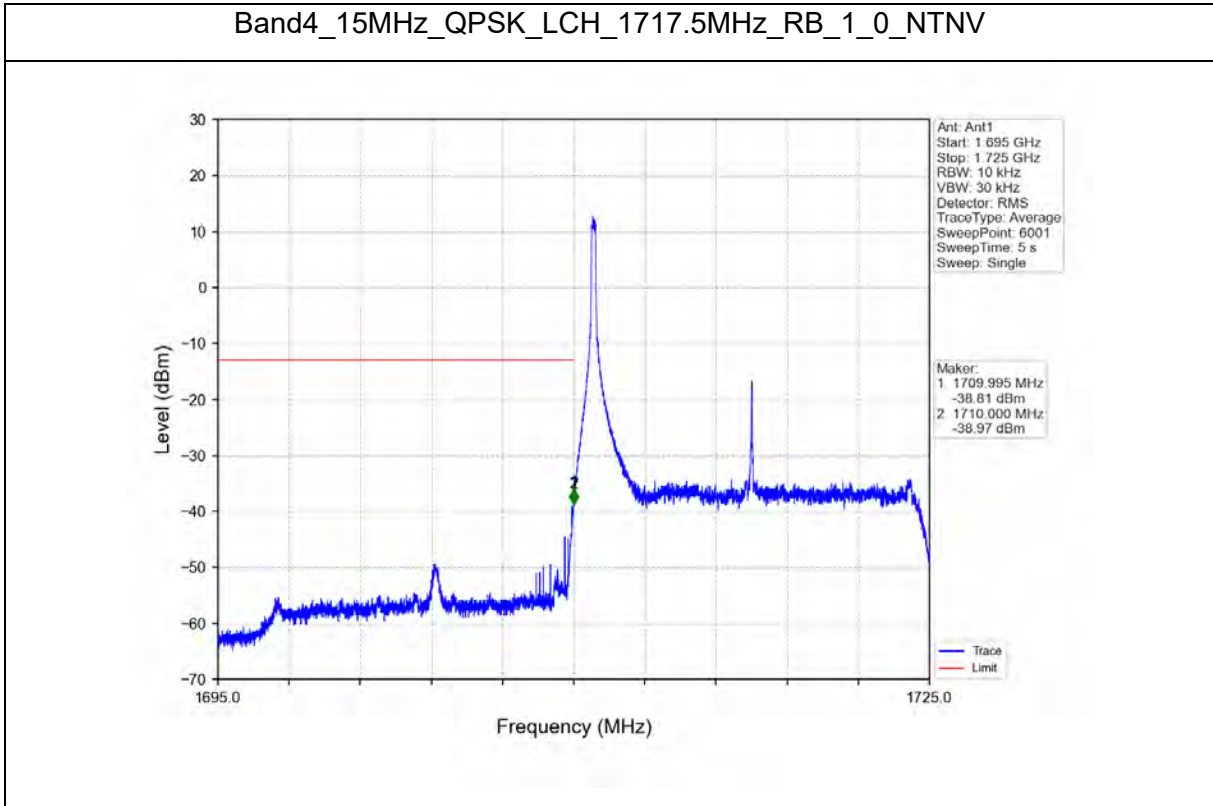
Test Report No.: W7L-P21100026RF15

B4_15MHZ

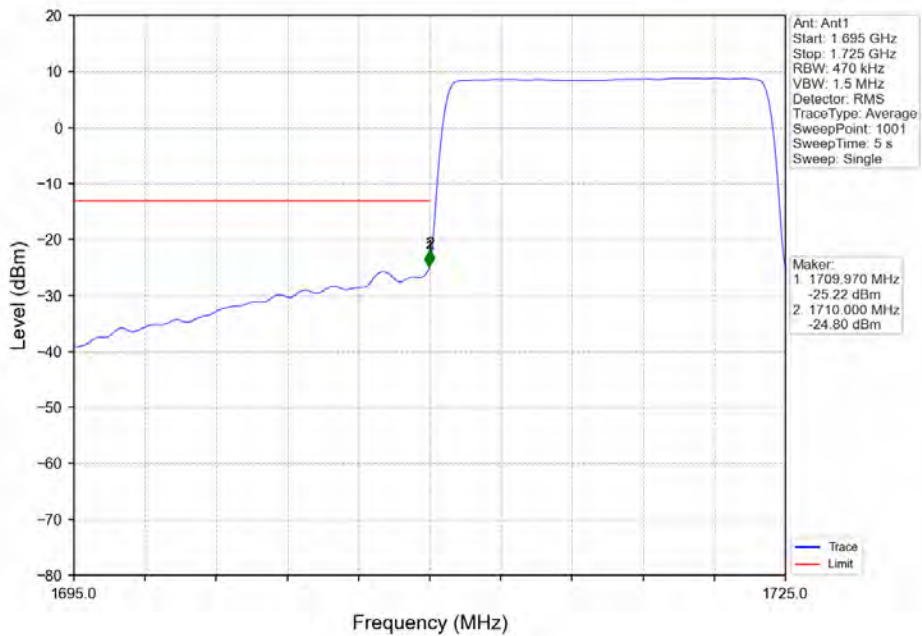
TEST RESULT

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
	1732.5	1	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
	1732.5	1	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
	1732.5	1	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		

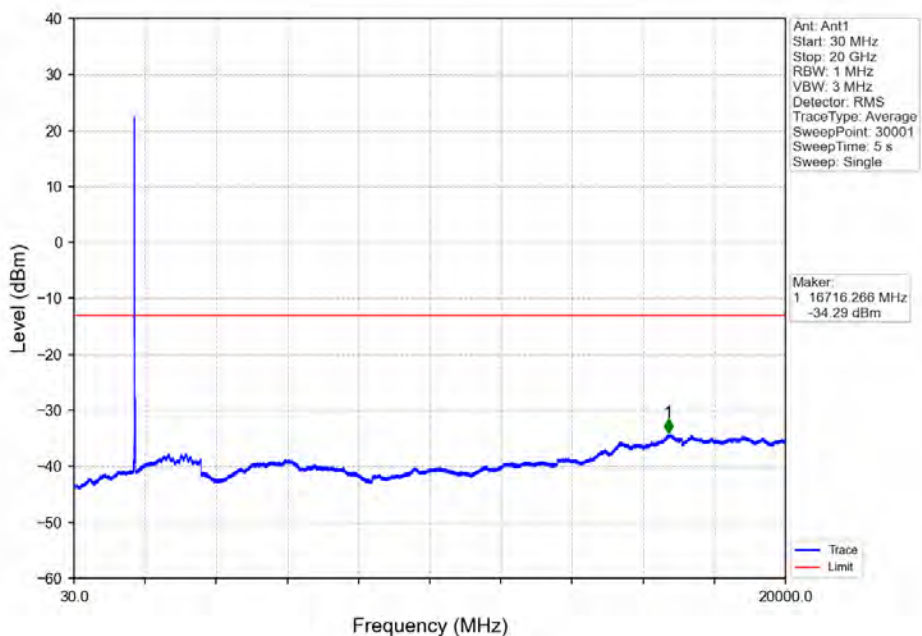
TEST GRAPH



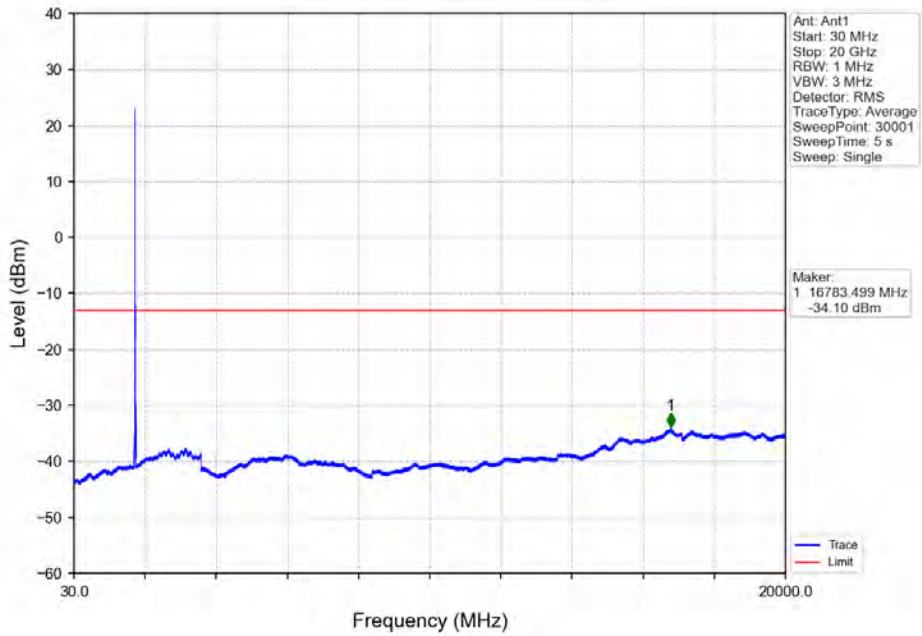
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



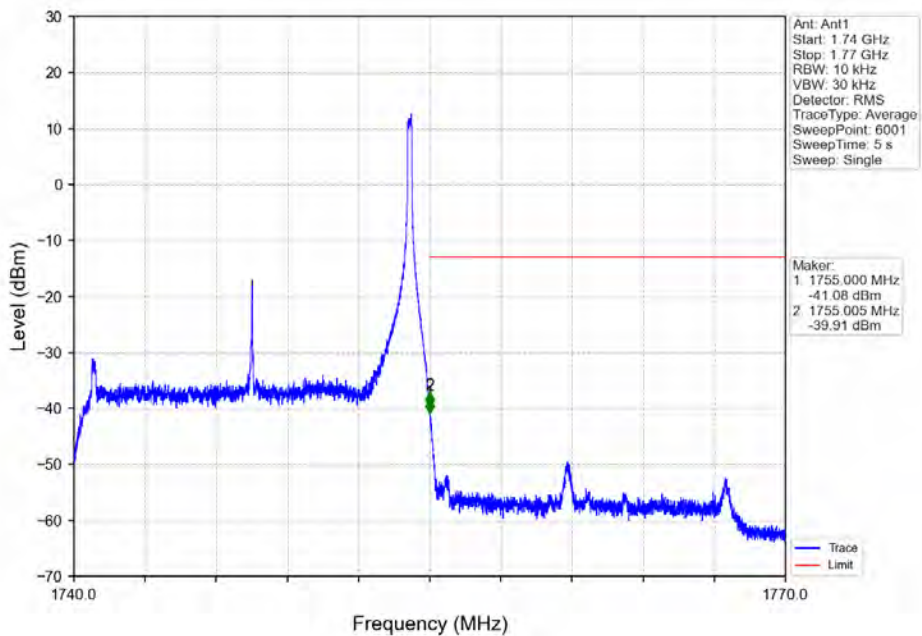
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



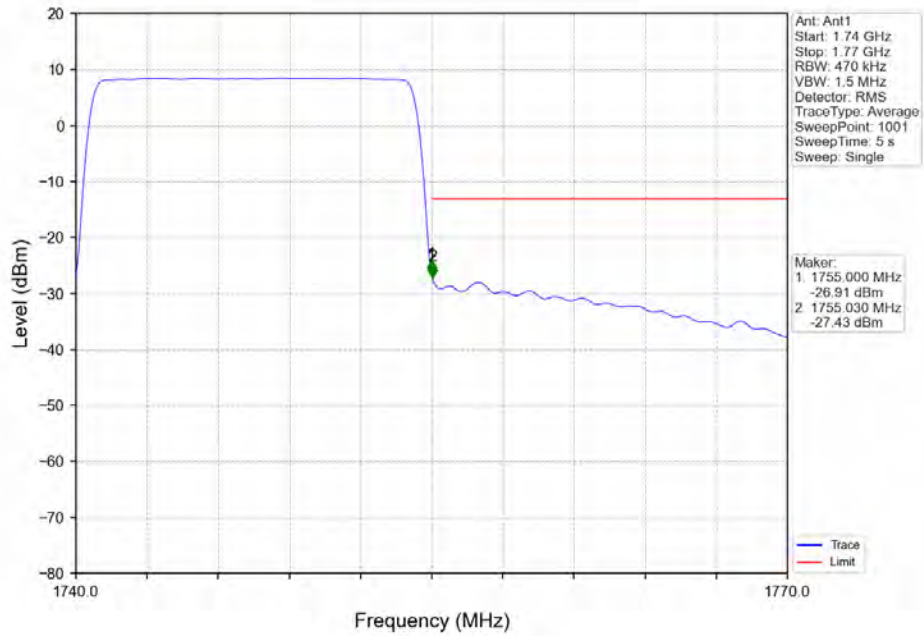
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



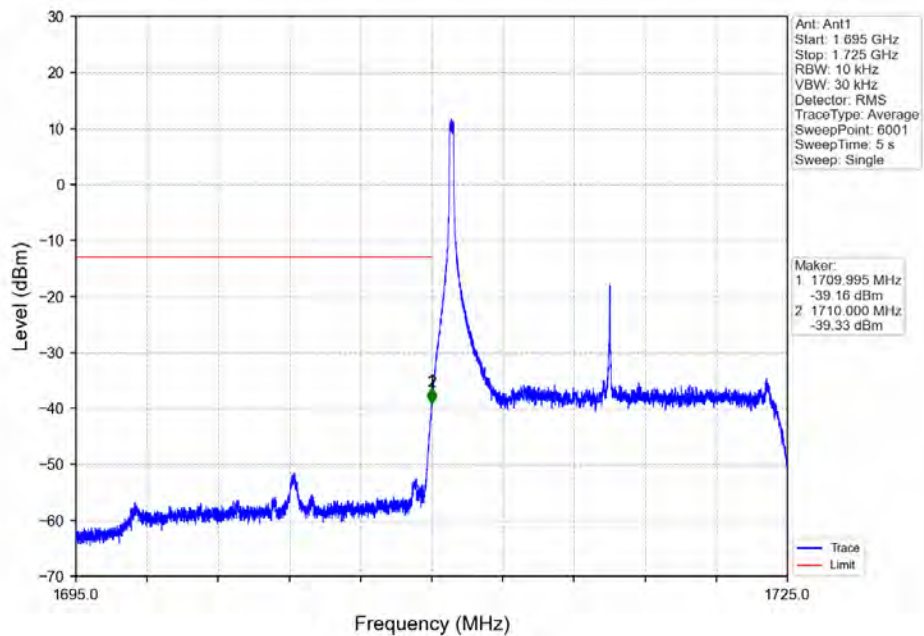
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



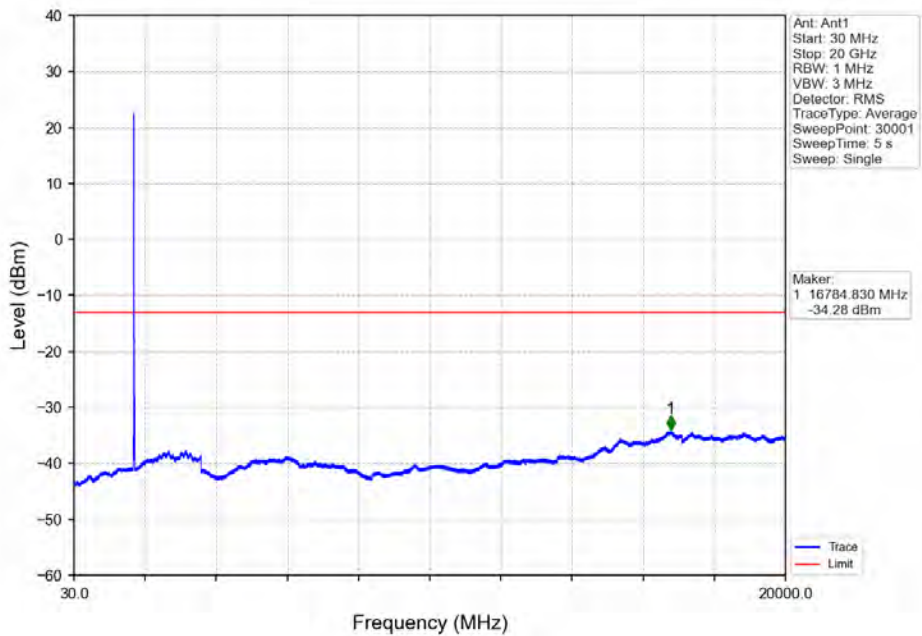
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



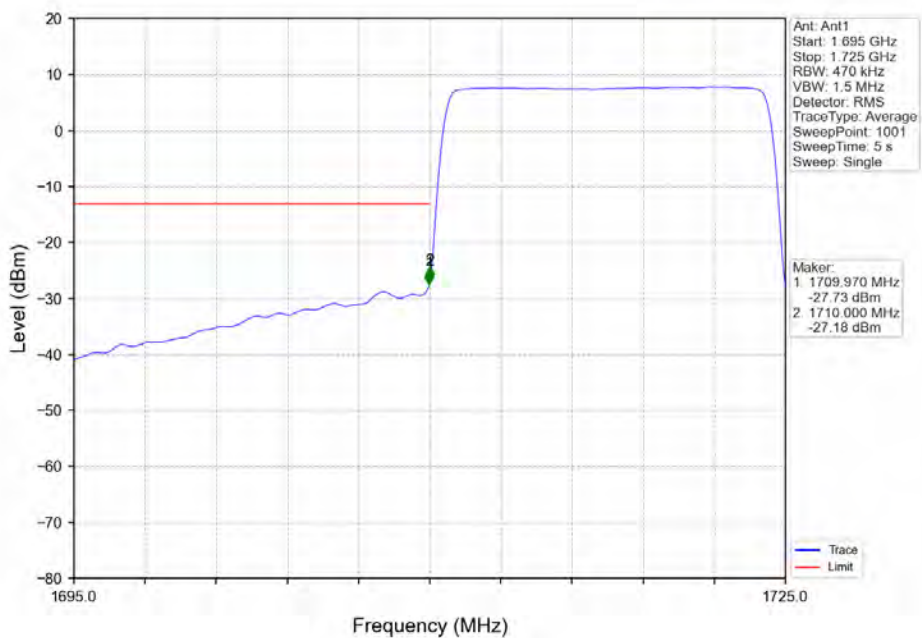
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



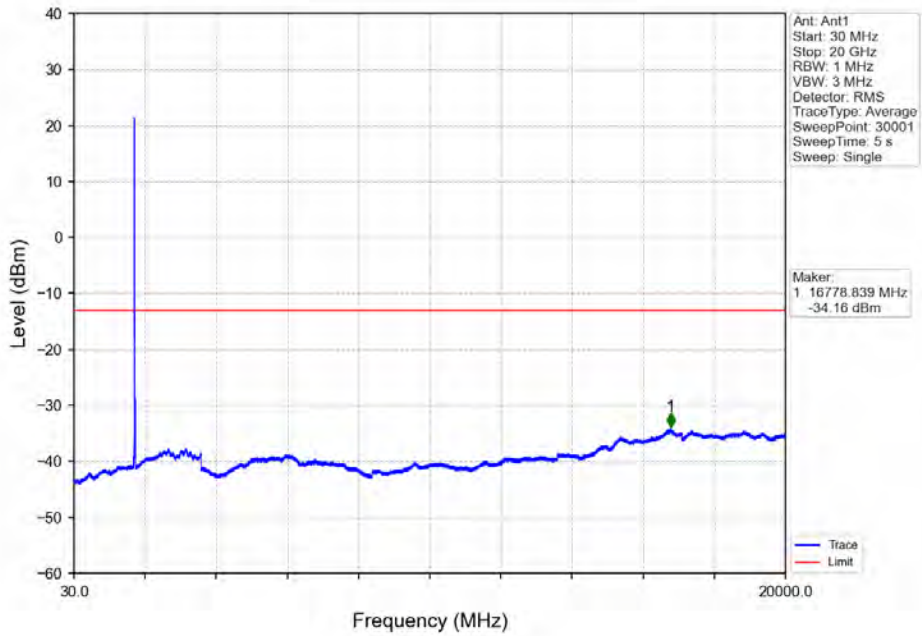
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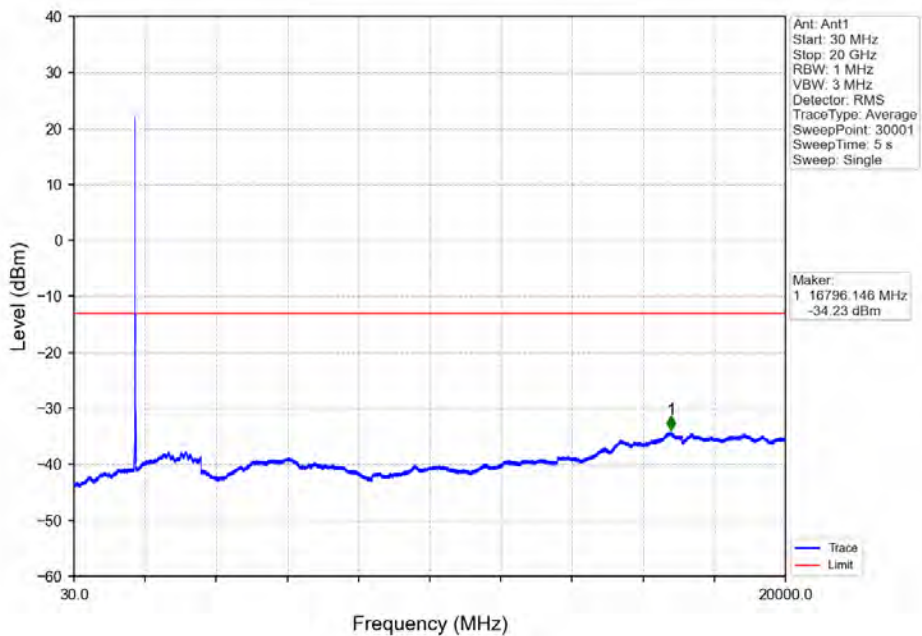
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



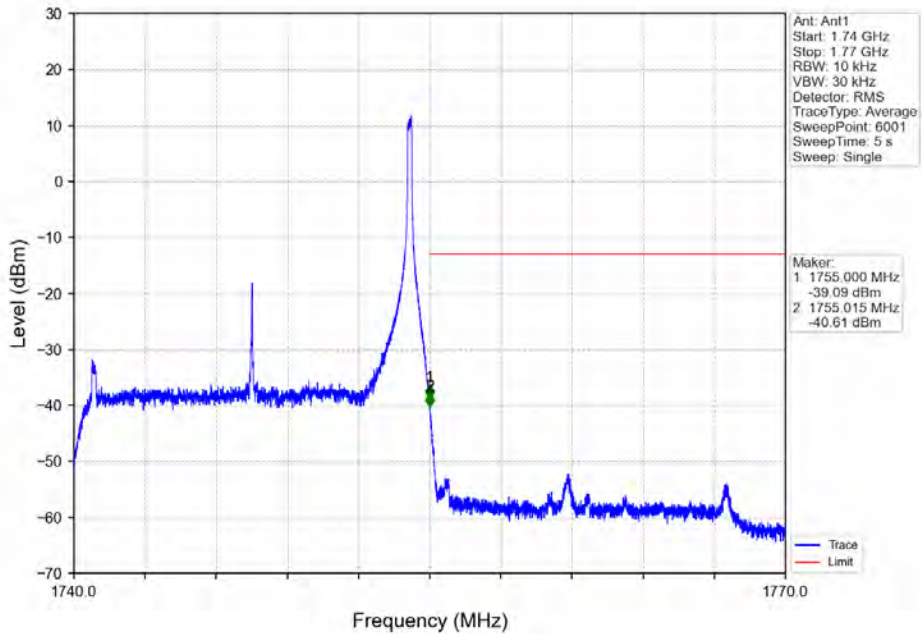
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



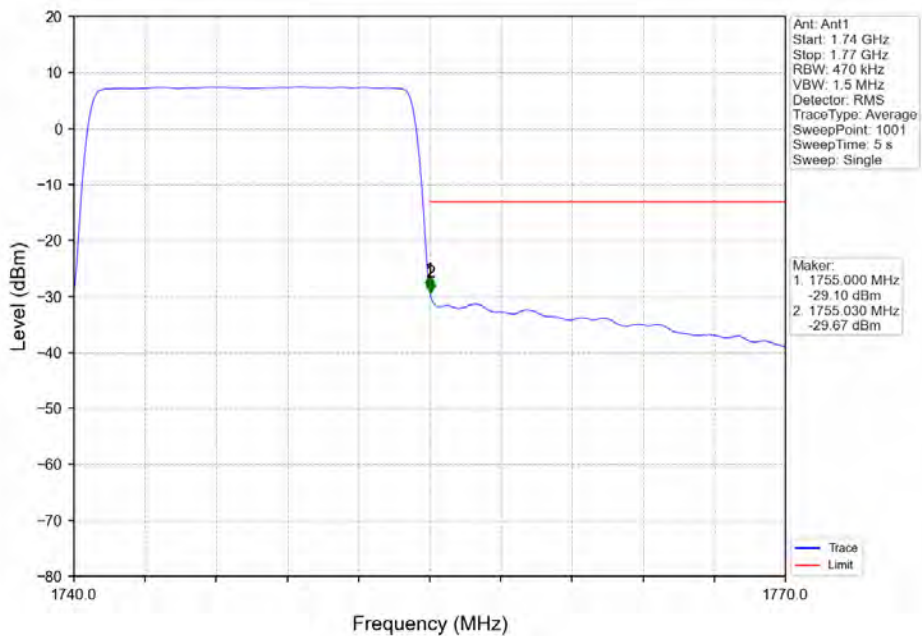
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV



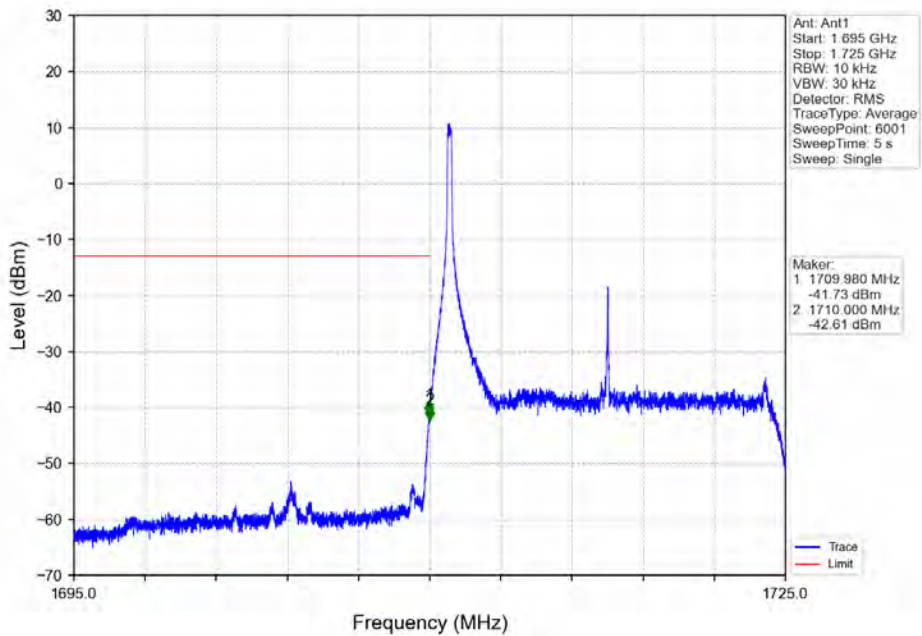
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_74_NTNV



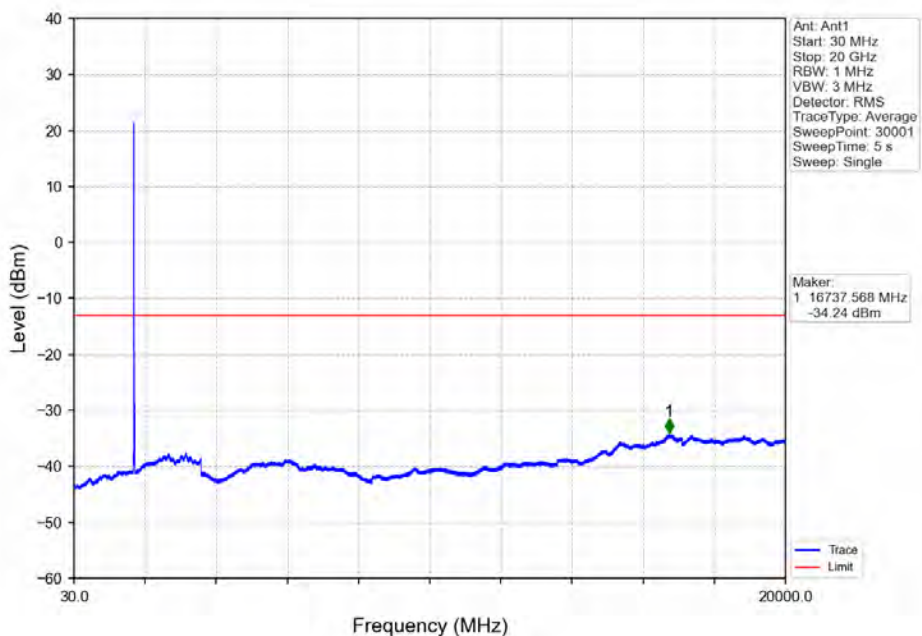
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



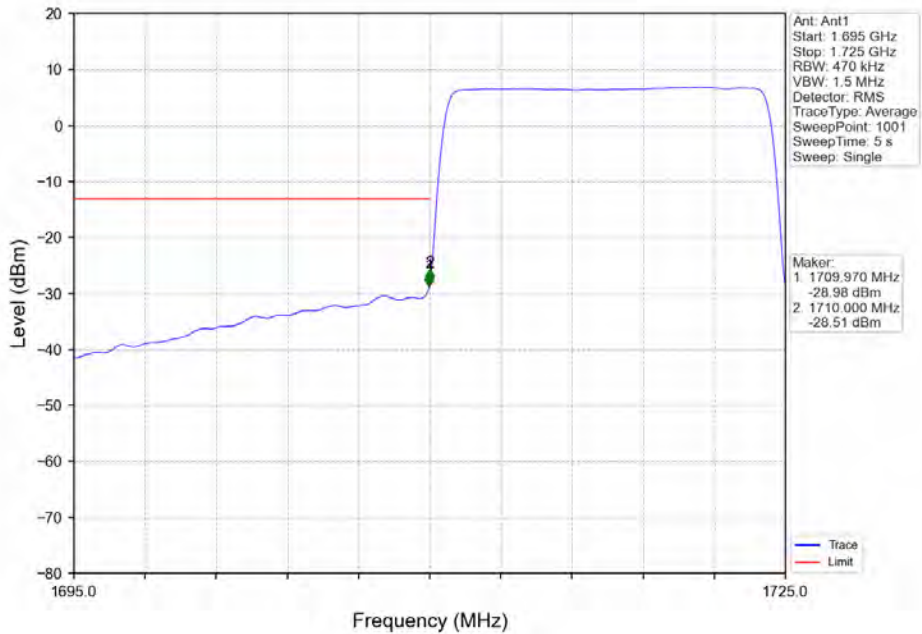
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV



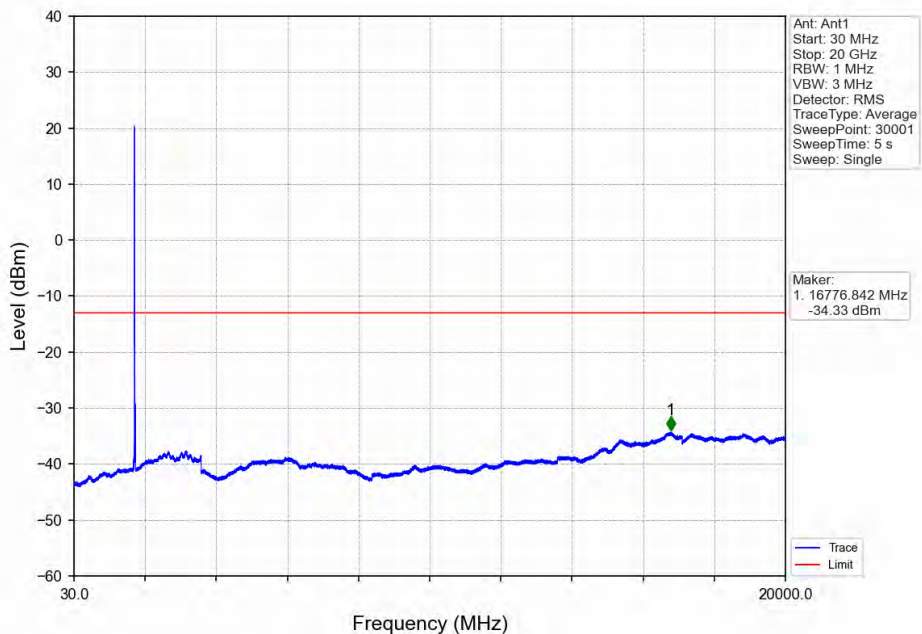
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV



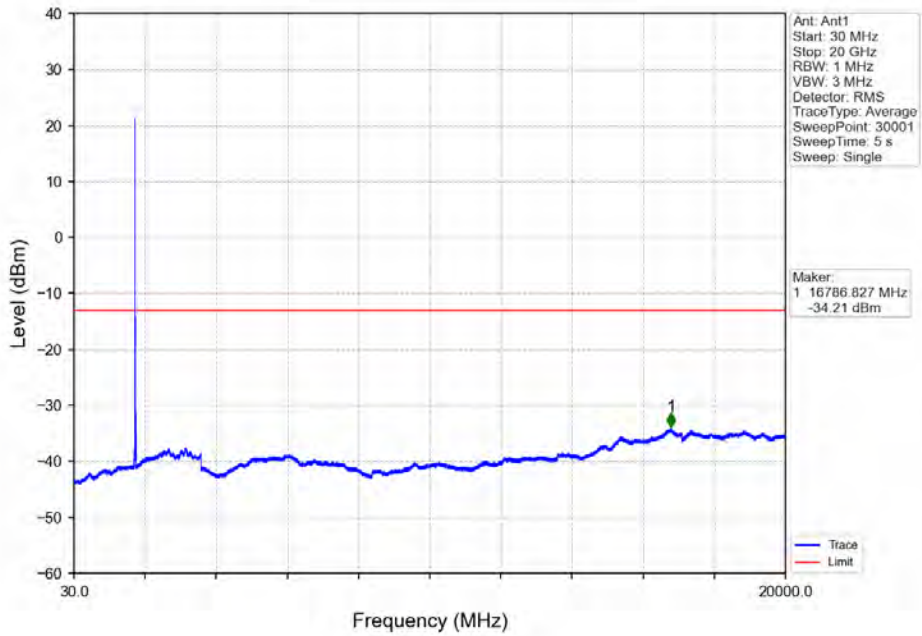
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



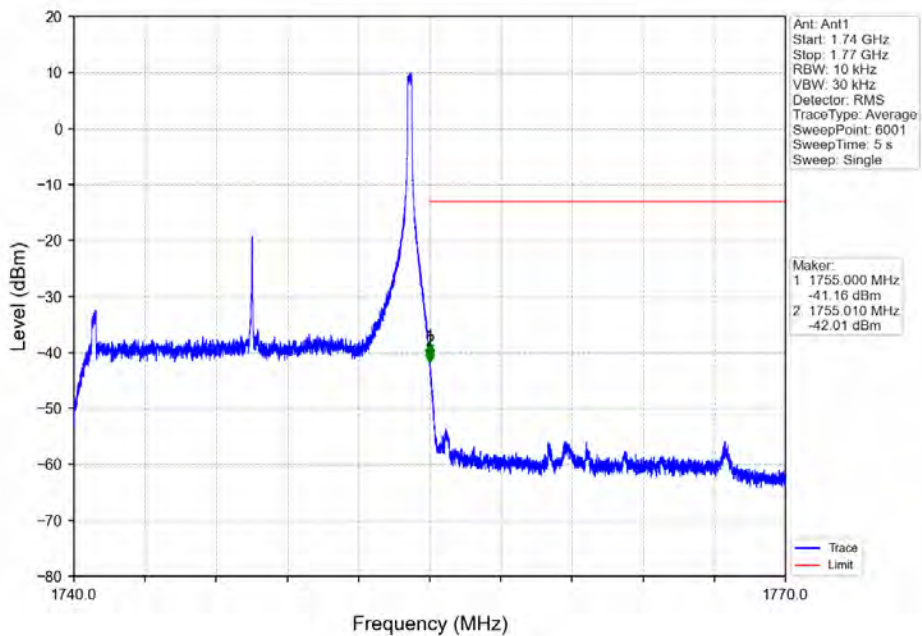
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



Band4_15MHz_64QAM_HCH_1747.5MHz_RB_1_0_NTNV

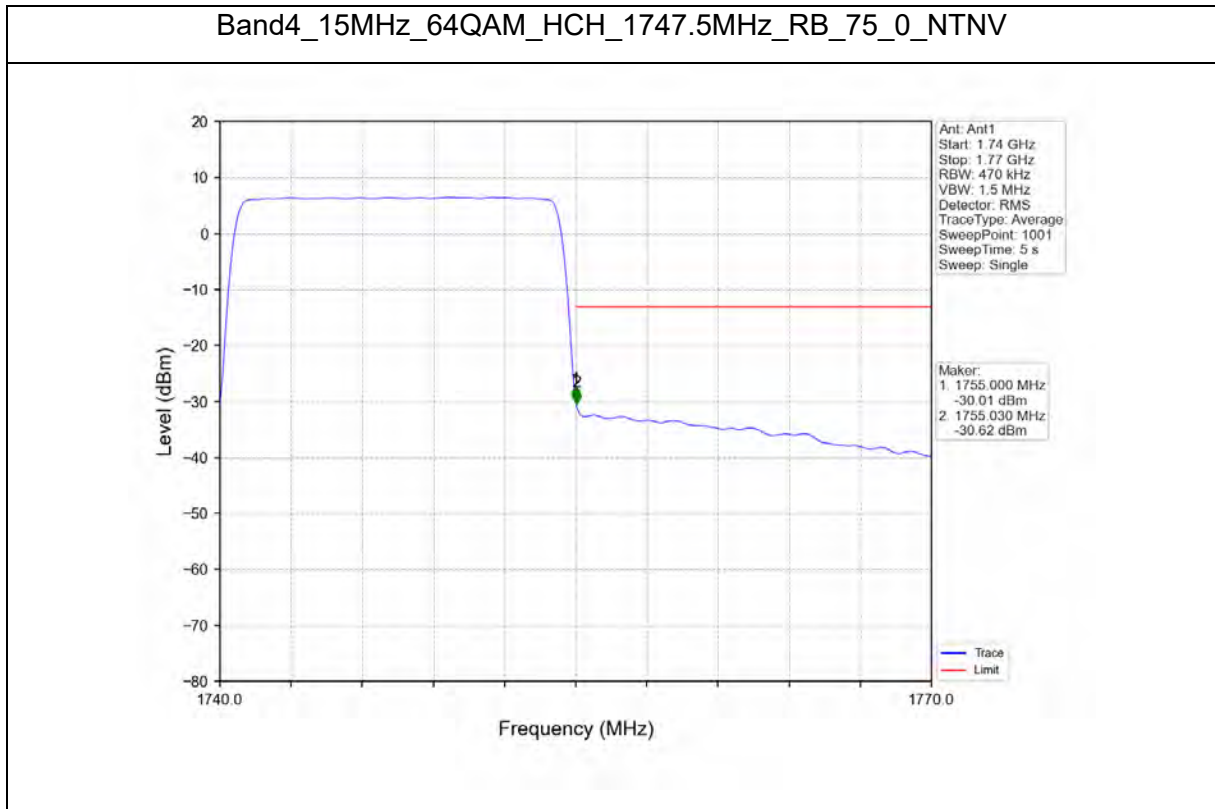


Band4_15MHz_64QAM_HCH_1747.5MHz_RB_1_74_NTNV





Test Report No.: W7L-P21100026RF15



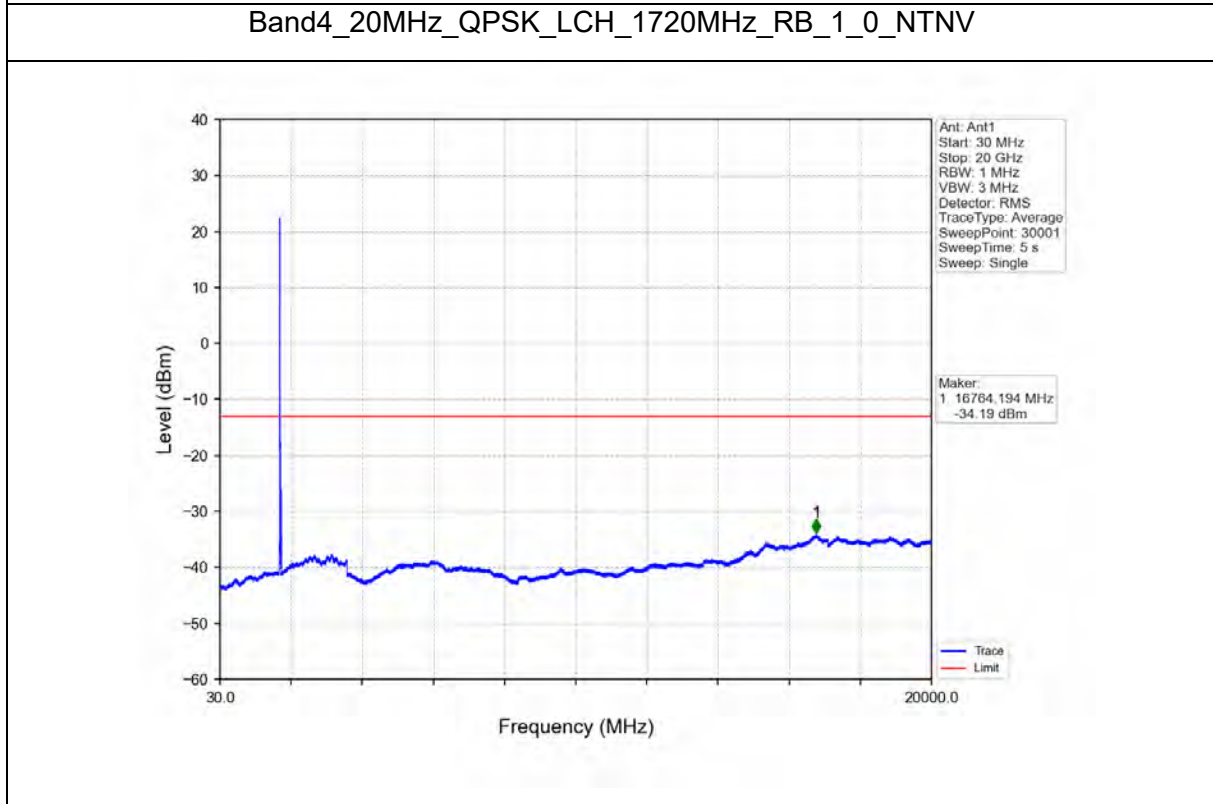
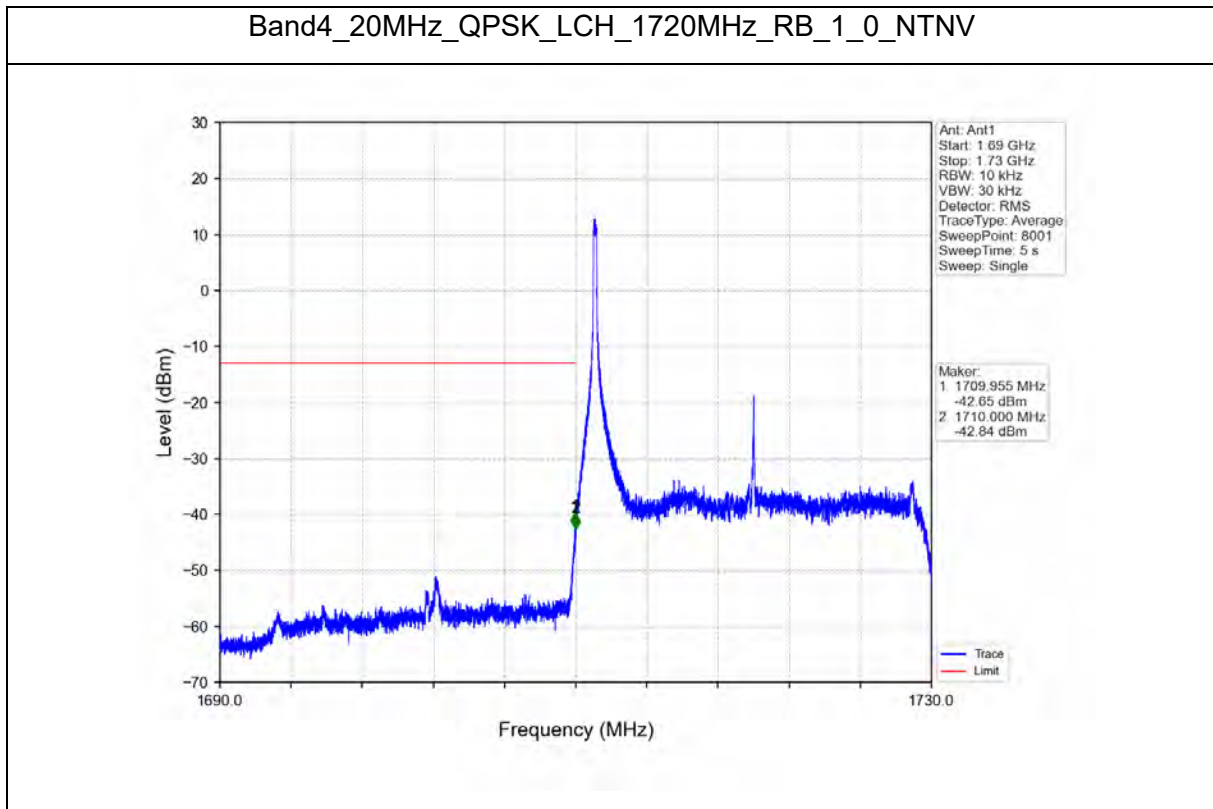


B4_20MHZ

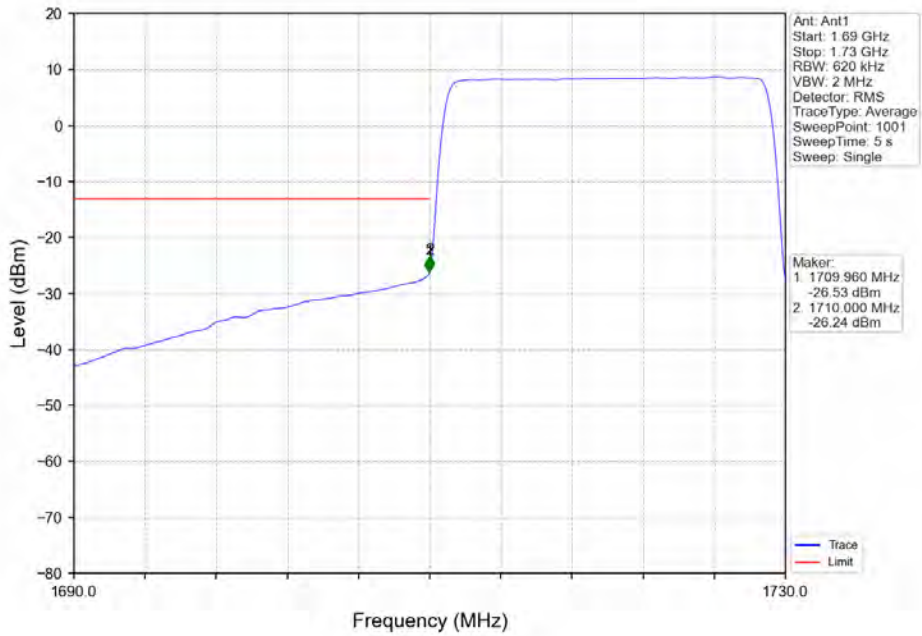
TEST RESULT

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	
		1745	1	0	Refer To Test Graph		Pass
			99	0	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	
		1745	1	0	Refer To Test Graph		Pass
			99	0	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	
		1745	1	0	Refer To Test Graph		Pass
			99	0	Refer To Test Graph		Pass
100	0	Refer To Test Graph		Pass			

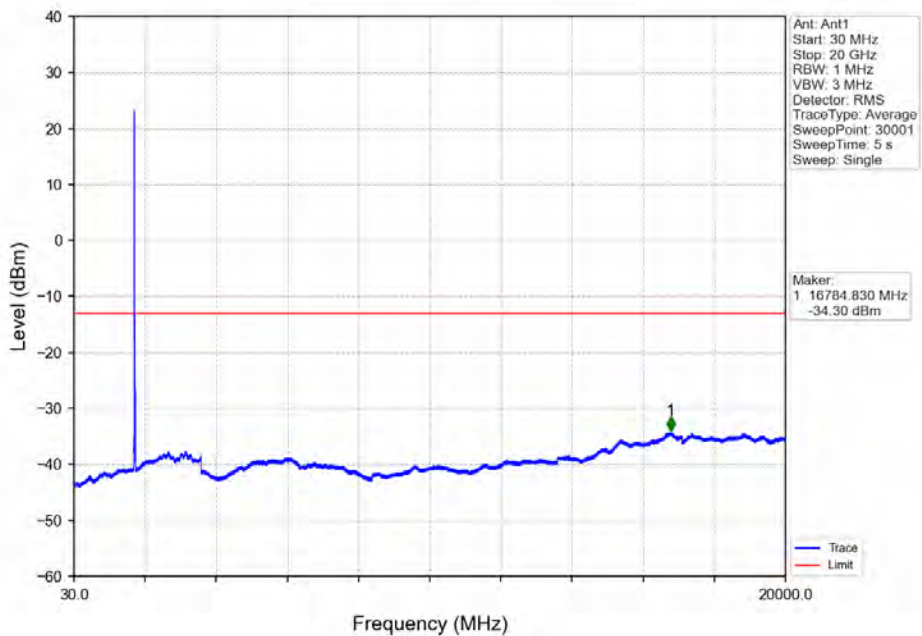
TEST GRAPH



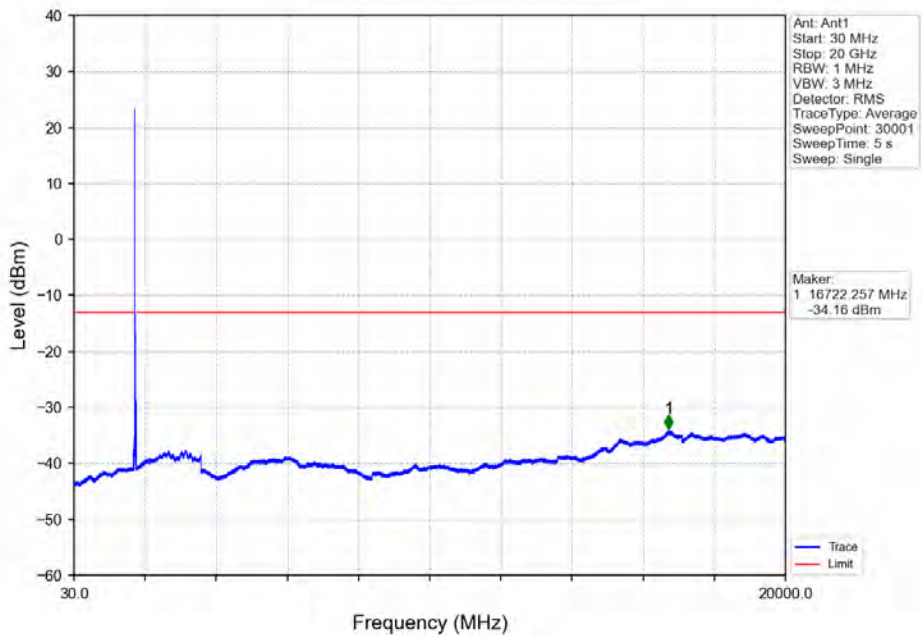
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



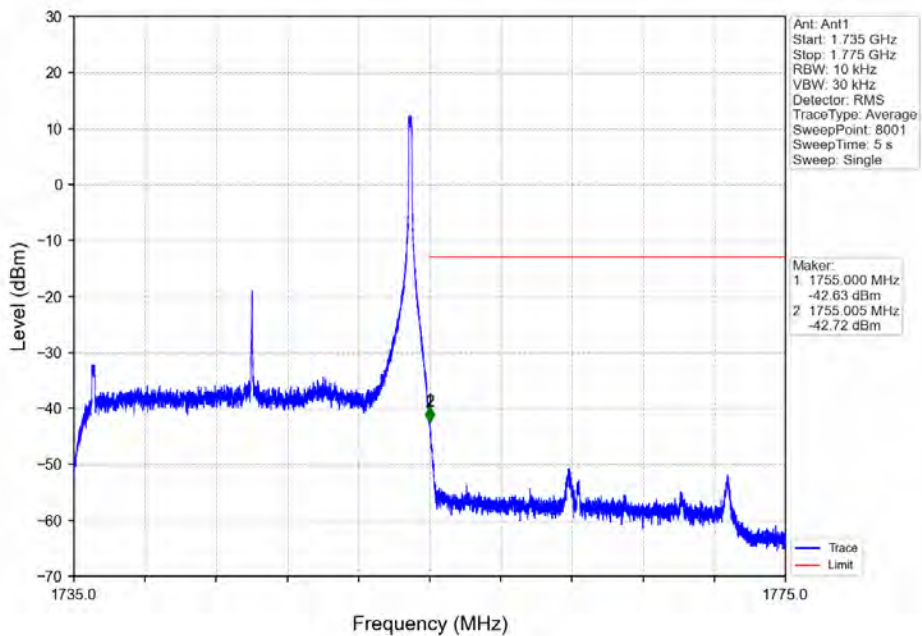
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



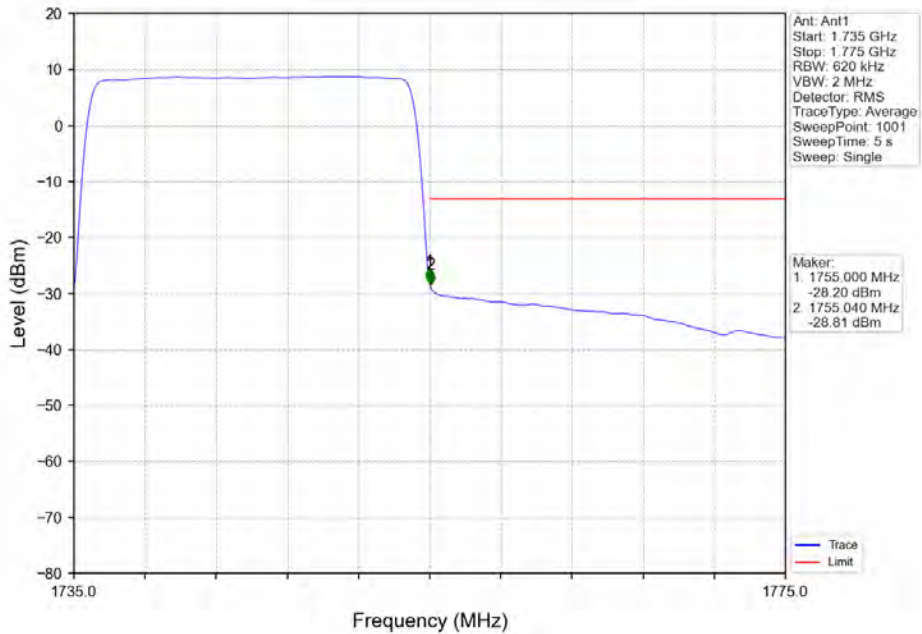
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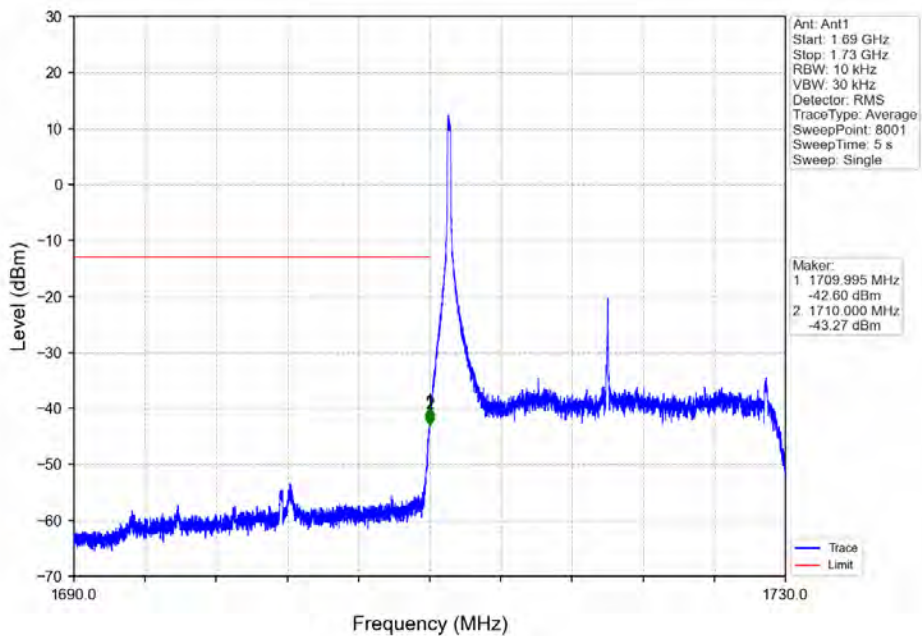
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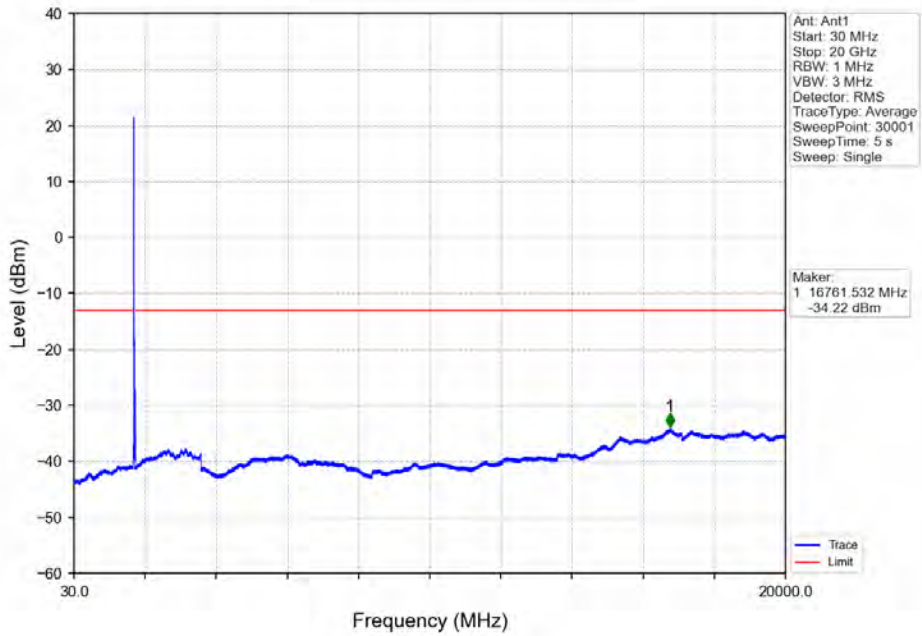
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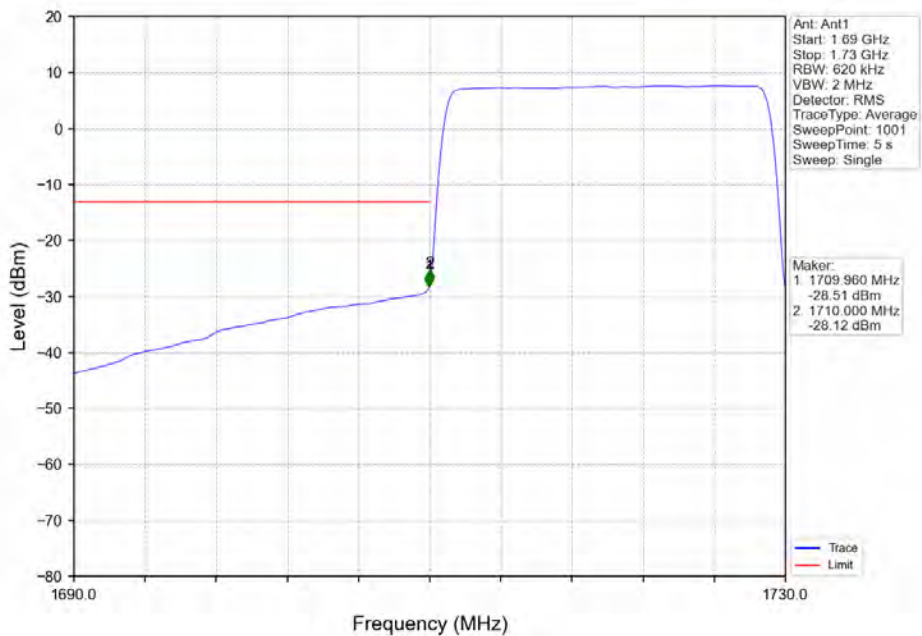
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



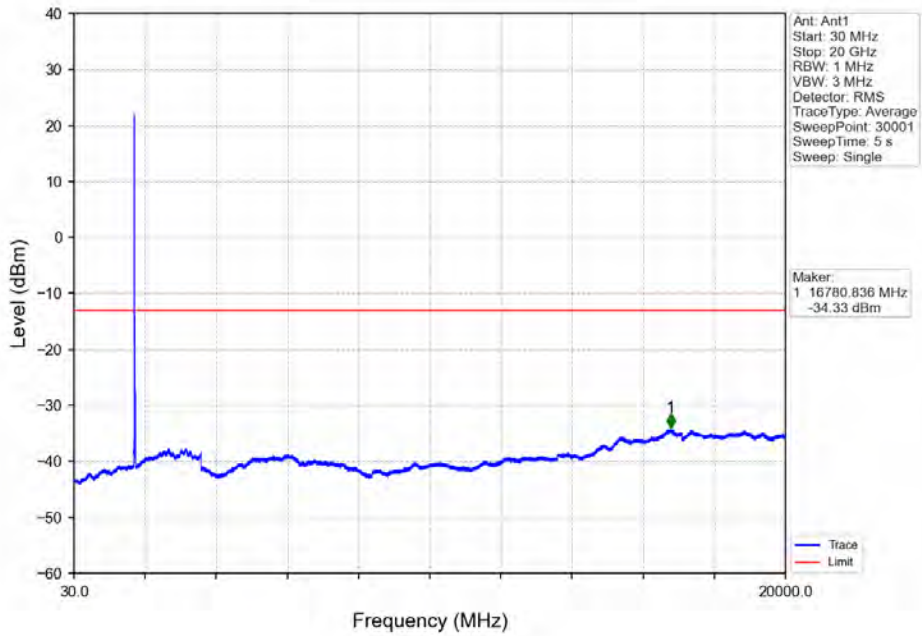
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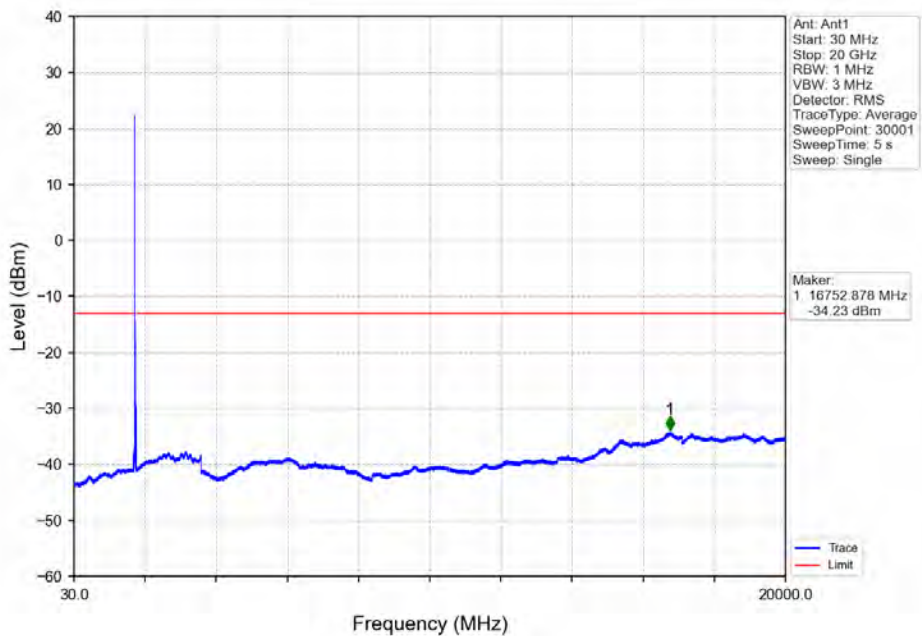
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



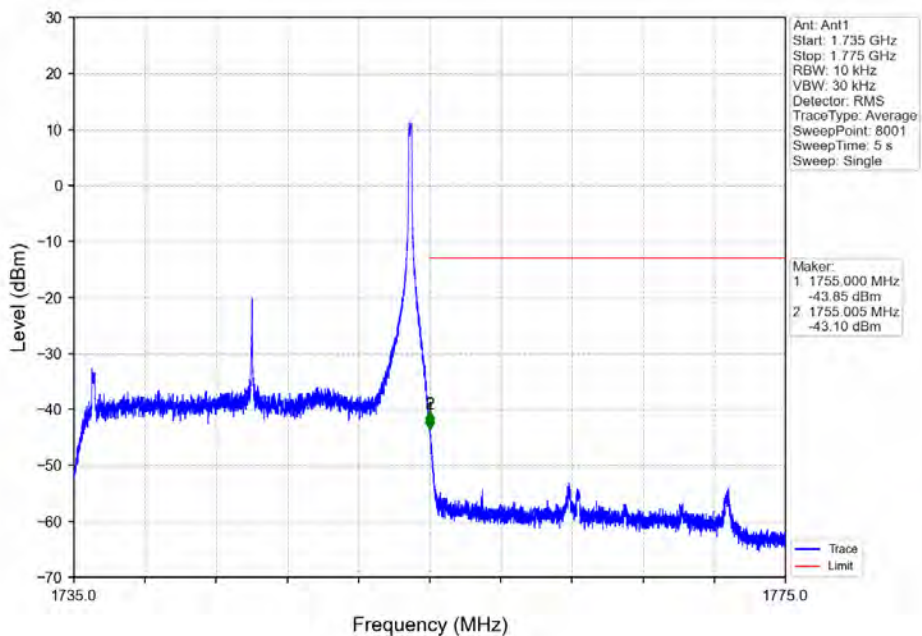
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



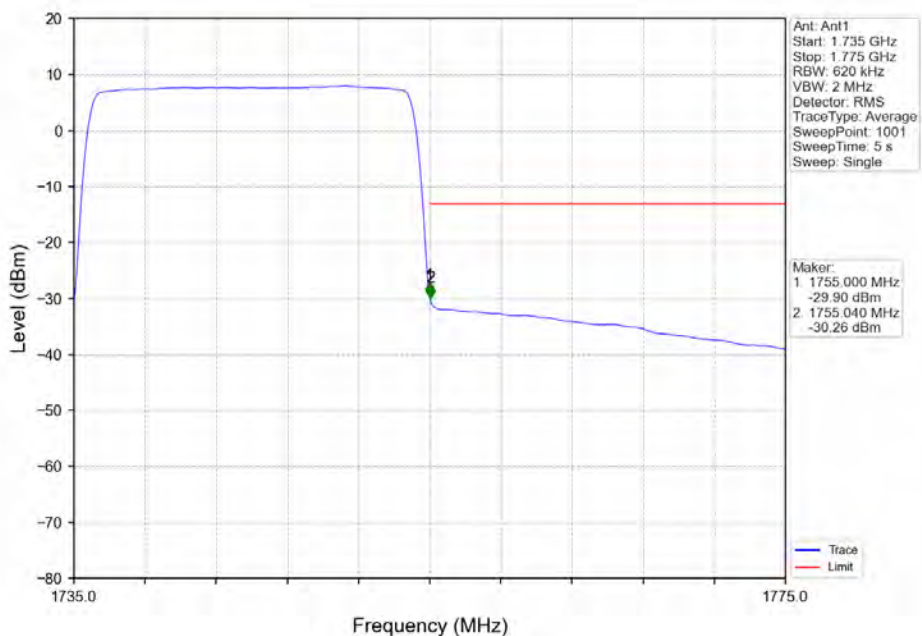
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



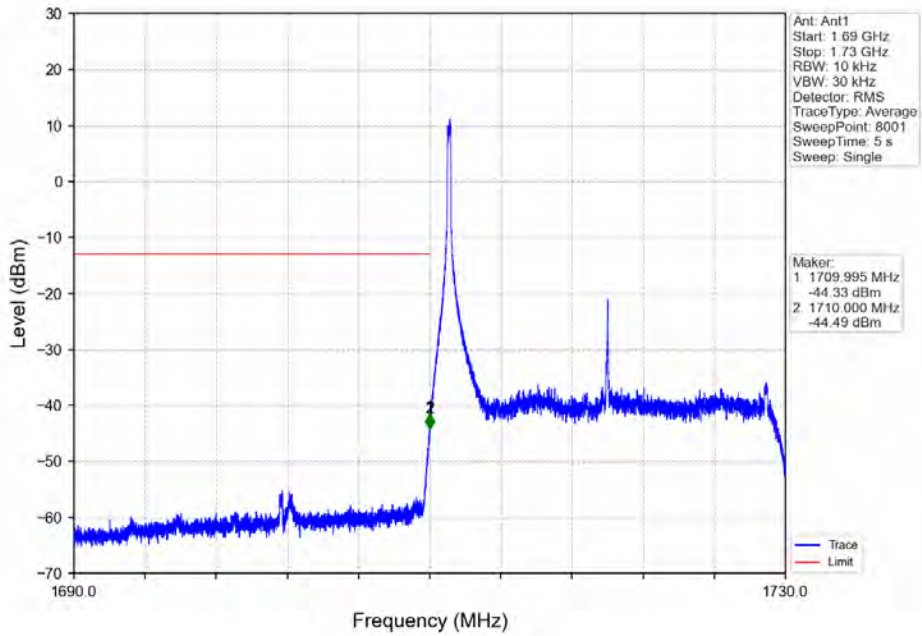
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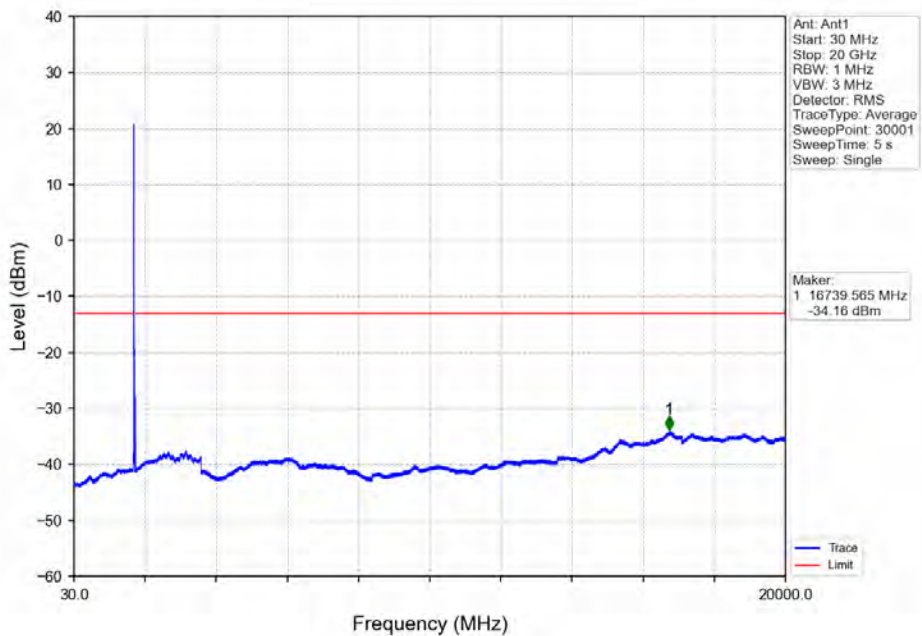
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



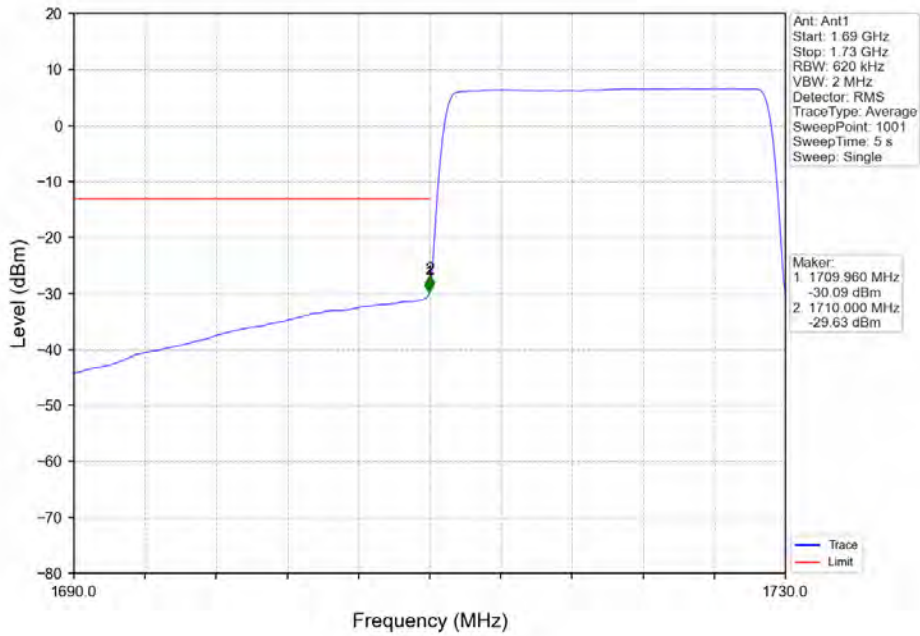
Band4_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



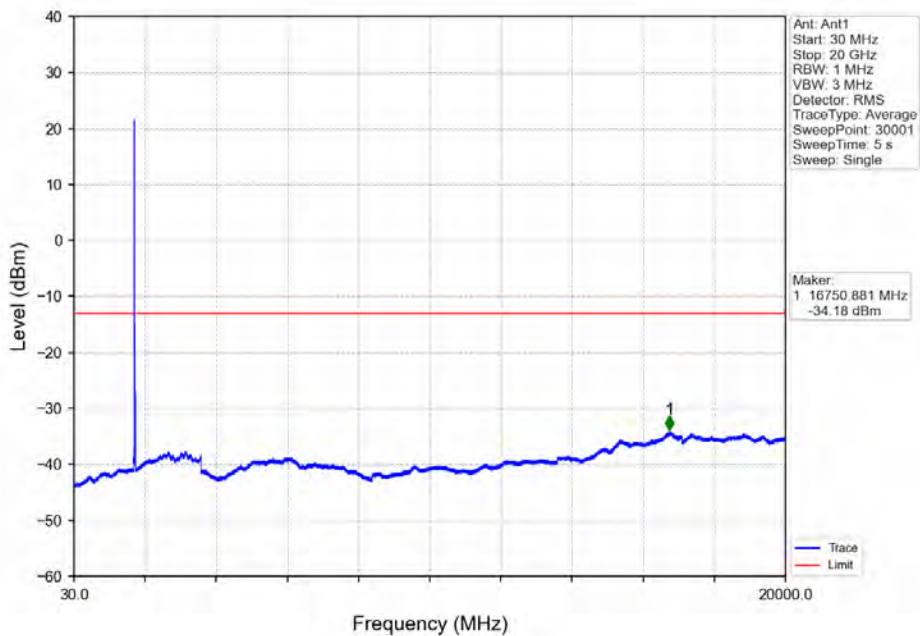
Band4_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



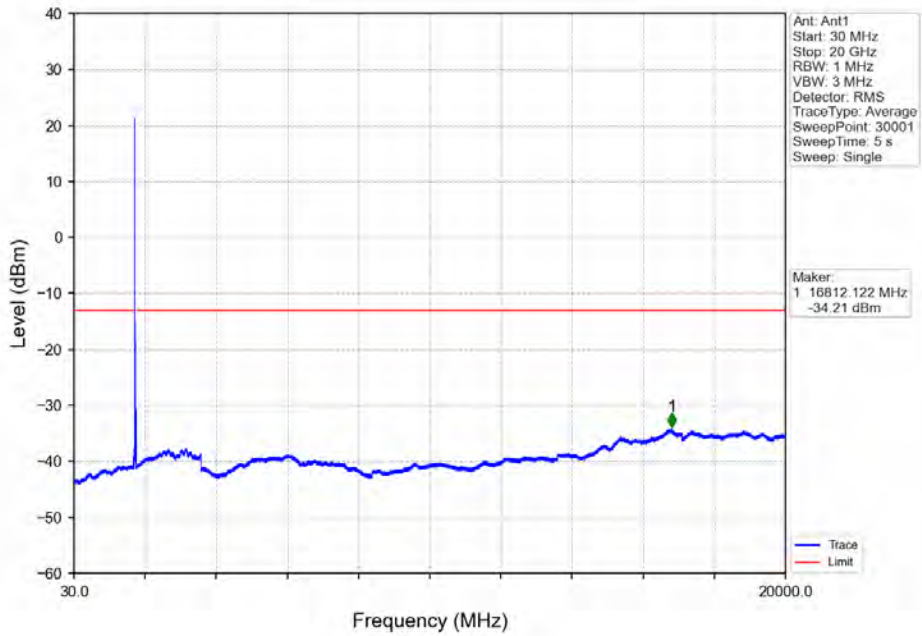
Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



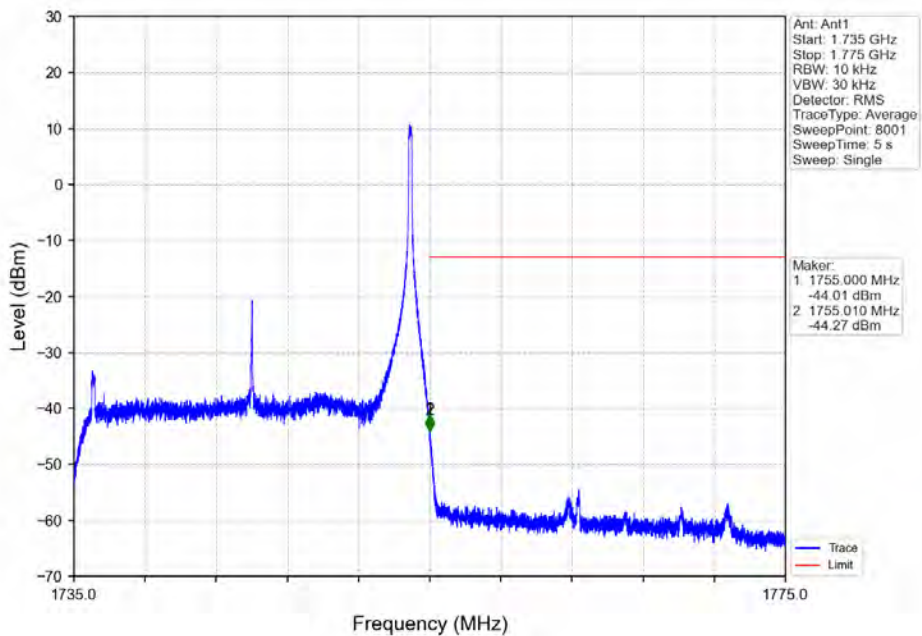
Band4_20MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV

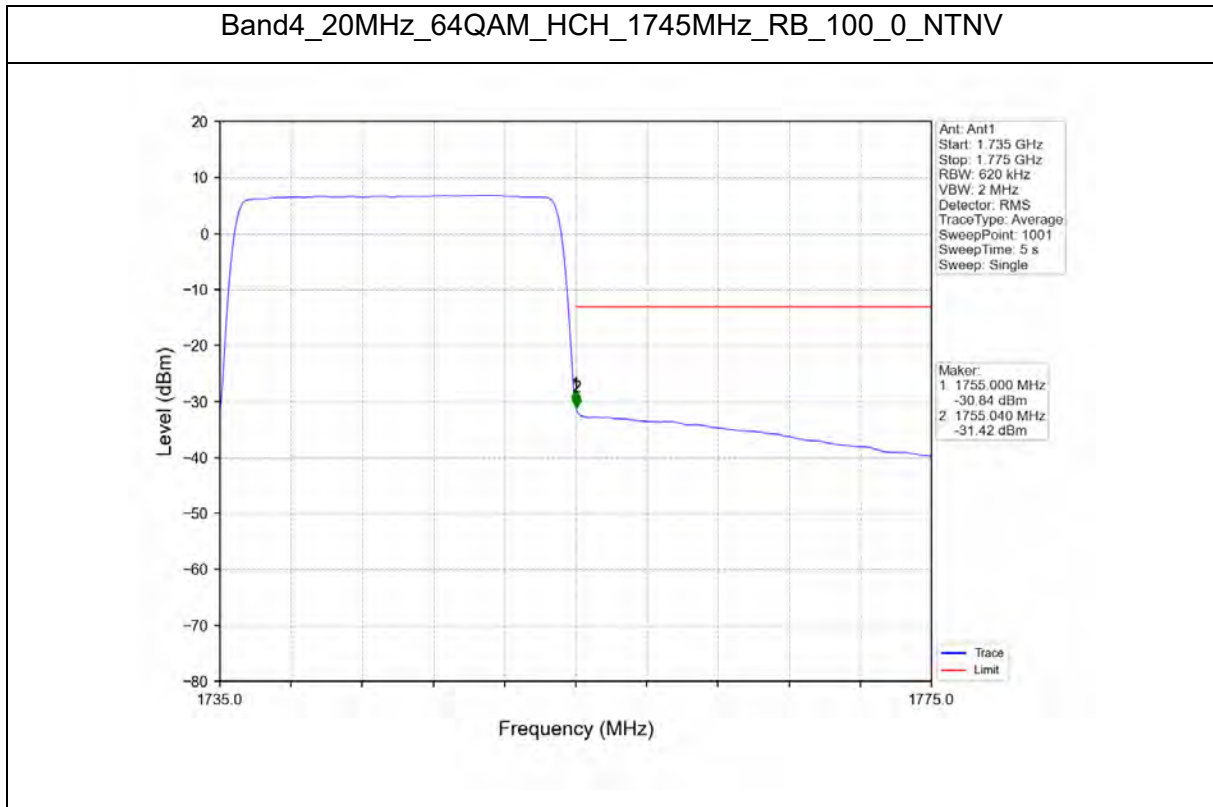


Band4_20MHz_64QAM_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_64QAM_HCH_1745MHz_RB_1_99_NTNV







Test Report No.: W7L-P21100026RF15

LTE BAND 7

FREQUENCY STABILITY

B7_5MHZ

TEST RESULT

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.27	-8.64	-0.00	-2.5 to 2.5	Pass
					3.85	-6.34	-0.00	-2.5 to 2.5	Pass
					4.43	1.63	0.00	-2.5 to 2.5	Pass
				-30	3.85	0.26	0.00	-2.5 to 2.5	Pass
				-20	3.85	1.92	0.00	-2.5 to 2.5	Pass
				-10	3.85	-1.79	-0.00	-2.5 to 2.5	Pass
				0	3.85	-2.15	-0.00	-2.5 to 2.5	Pass
				10	3.85	2.06	0.00	-2.5 to 2.5	Pass
				30	3.85	7.11	0.00	-2.5 to 2.5	Pass
				40	3.85	1.33	0.00	-2.5 to 2.5	Pass
	50	3.85	0.97	0.00	-2.5 to 2.5	Pass			
	2535	25	0	20	3.27	8.04	0.00	-2.5 to 2.5	Pass
					3.85	-5.54	-0.00	-2.5 to 2.5	Pass
					4.43	-1.04	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.07	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-5.68	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-4.72	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.73	-0.00	-2.5 to 2.5	Pass
				10	3.85	-5.51	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.50	-0.00	-2.5 to 2.5	Pass
40				3.85	-1.13	-0.00	-2.5 to 2.5	Pass	
50	3.85	-1.09	-0.00	-2.5 to 2.5	Pass				



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

	2567.5	25	0	20	3.27	-8.93	-0.00	-2.5 to 2.5	Pass				
					3.85	-4.71	-0.00	-2.5 to 2.5	Pass				
					4.43	-2.25	-0.00	-2.5 to 2.5	Pass				
								-30	3.85	2.07	0.00	-2.5 to 2.5	Pass
								-20	3.85	4.75	0.00	-2.5 to 2.5	Pass
								-10	3.85	4.12	0.00	-2.5 to 2.5	Pass
								0	3.85	-0.39	-0.00	-2.5 to 2.5	Pass
								10	3.85	1.30	0.00	-2.5 to 2.5	Pass
								30	3.85	-0.60	-0.00	-2.5 to 2.5	Pass
								40	3.85	-3.23	-0.00	-2.5 to 2.5	Pass
								50	3.85	-6.37	-0.00	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.27	-3.05	-0.00	-2.5 to 2.5	Pass				
					3.85	0.19	0.00	-2.5 to 2.5	Pass				
					4.43	-1.56	-0.00	-2.5 to 2.5	Pass				
								-30	3.85	2.79	0.00	-2.5 to 2.5	Pass
								-20	3.85	-3.00	-0.00	-2.5 to 2.5	Pass
								-10	3.85	-1.39	-0.00	-2.5 to 2.5	Pass
								0	3.85	0.67	0.00	-2.5 to 2.5	Pass
								10	3.85	-0.23	-0.00	-2.5 to 2.5	Pass
								30	3.85	0.32	0.00	-2.5 to 2.5	Pass
								40	3.85	-5.57	-0.00	-2.5 to 2.5	Pass
								50	3.85	0.04	0.00	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-6.45	-0.00	-2.5 to 2.5	Pass				
					3.85	-3.48	-0.00	-2.5 to 2.5	Pass				
					4.43	-3.19	-0.00	-2.5 to 2.5	Pass				
								-30	3.85	-4.33	-0.00	-2.5 to 2.5	Pass
								-20	3.85	-0.80	-0.00	-2.5 to 2.5	Pass
								-10	3.85	-6.14	-0.00	-2.5 to 2.5	Pass
								0	3.85	-1.26	-0.00	-2.5 to 2.5	Pass
								10	3.85	-3.63	-0.00	-2.5 to 2.5	Pass
								30	3.85	-7.08	-0.00	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

	2567.5	25	0	40	3.85	-6.59	-0.00	-2.5 to 2.5	Pass			
				50	3.85	-8.14	-0.00	-2.5 to 2.5	Pass			
				20	3.27	-3.71	-0.00	-2.5 to 2.5	Pass			
					3.85	-1.97	-0.00	-2.5 to 2.5	Pass			
					4.43	-4.00	-0.00	-2.5 to 2.5	Pass			
				-30	3.85	0.39	0.00	-2.5 to 2.5	Pass			
				-20	3.85	-2.70	-0.00	-2.5 to 2.5	Pass			
				-10	3.85	-3.08	-0.00	-2.5 to 2.5	Pass			
				0	3.85	-1.14	-0.00	-2.5 to 2.5	Pass			
				10	3.85	-2.02	-0.00	-2.5 to 2.5	Pass			
				30	3.85	-1.53	-0.00	-2.5 to 2.5	Pass			
				40	3.85	-2.46	-0.00	-2.5 to 2.5	Pass			
				50	3.85	-3.81	-0.00	-2.5 to 2.5	Pass			
				64QAM	2502.5	25	0	20	3.27	-6.07	-0.00	-2.5 to 2.5
3.85	-1.57	-0.00	-2.5 to 2.5						Pass			
4.43	-1.69	-0.00	-2.5 to 2.5						Pass			
-30	3.85	-5.61	-0.00					-2.5 to 2.5	Pass			
-20	3.85	-1.20	-0.00					-2.5 to 2.5	Pass			
-10	3.85	-7.05	-0.00					-2.5 to 2.5	Pass			
0	3.85	-4.22	-0.00					-2.5 to 2.5	Pass			
10	3.85	-7.21	-0.00					-2.5 to 2.5	Pass			
30	3.85	-5.48	-0.00					-2.5 to 2.5	Pass			
40	3.85	-3.10	-0.00					-2.5 to 2.5	Pass			
50	3.85	-3.03	-0.00					-2.5 to 2.5	Pass			
2535	25	0	20					3.27	-3.62	-0.00	-2.5 to 2.5	Pass
								3.85	-4.32	-0.00	-2.5 to 2.5	Pass
								4.43	-8.35	-0.00	-2.5 to 2.5	Pass
			-30	3.85	-5.46	-0.00	-2.5 to 2.5	Pass				
			-20	3.85	-4.41	-0.00	-2.5 to 2.5	Pass				
			-10	3.85	-5.39	-0.00	-2.5 to 2.5	Pass				
			0	3.85	-5.04	-0.00	-2.5 to 2.5	Pass				



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

				10	3.85	-5.72	-0.00	-2.5 to 2.5	Pass	
				30	3.85	-6.70	-0.00	-2.5 to 2.5	Pass	
				40	3.85	-8.40	-0.00	-2.5 to 2.5	Pass	
				50	3.85	-7.18	-0.00	-2.5 to 2.5	Pass	
	2567.5	25		0	20	3.27	-8.20	-0.00	-2.5 to 2.5	Pass
						3.85	-9.05	-0.00	-2.5 to 2.5	Pass
						4.43	-3.76	-0.00	-2.5 to 2.5	Pass
					-30	3.85	-6.64	-0.00	-2.5 to 2.5	Pass
					-20	3.85	-2.88	-0.00	-2.5 to 2.5	Pass
					-10	3.85	-4.66	-0.00	-2.5 to 2.5	Pass
					0	3.85	-5.62	-0.00	-2.5 to 2.5	Pass
					10	3.85	-10.24	-0.00	-2.5 to 2.5	Pass
					30	3.85	-4.81	-0.00	-2.5 to 2.5	Pass
					40	3.85	1.56	0.00	-2.5 to 2.5	Pass
50	3.85	-7.05	-0.00	-2.5 to 2.5	Pass					

B7_10MHZ

TEST RESULT

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2505	50	0	20	3.27	-9.60	-0.00	-2.5 to 2.5	Pass
					3.85	-0.60	-0.00	-2.5 to 2.5	Pass
					4.43	-2.99	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.37	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.90	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-2.15	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.66	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.70	-0.00	-2.5 to 2.5	Pass
				30	3.85	0.39	0.00	-2.5 to 2.5	Pass



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VERITAS**

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	2535	50	0	40	3.85	-5.04	-0.00	-2.5 to 2.5	Pass
				50	3.85	-1.54	-0.00	-2.5 to 2.5	Pass
				20	3.27	-4.54	-0.00	-2.5 to 2.5	Pass
					3.85	-5.74	-0.00	-2.5 to 2.5	Pass
					4.43	-4.93	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-3.55	-0.00	-2.5 to 2.5	Pass
				-20	3.85	0.30	0.00	-2.5 to 2.5	Pass
				-10	3.85	0.32	0.00	-2.5 to 2.5	Pass
				0	3.85	-4.32	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.26	-0.00	-2.5 to 2.5	Pass
	30	3.85	-2.79	-0.00	-2.5 to 2.5	Pass			
	40	3.85	-3.20	-0.00	-2.5 to 2.5	Pass			
	50	3.85	-2.59	-0.00	-2.5 to 2.5	Pass			
	2565	50	0	20	3.27	-2.95	-0.00	-2.5 to 2.5	Pass
					3.85	0.93	0.00	-2.5 to 2.5	Pass
					4.43	0.64	0.00	-2.5 to 2.5	Pass
				-30	3.85	2.19	0.00	-2.5 to 2.5	Pass
				-20	3.85	2.39	0.00	-2.5 to 2.5	Pass
				-10	3.85	-5.12	-0.00	-2.5 to 2.5	Pass
				0	3.85	-6.07	-0.00	-2.5 to 2.5	Pass
10				3.85	-5.01	-0.00	-2.5 to 2.5	Pass	
30				3.85	2.30	0.00	-2.5 to 2.5	Pass	
40				3.85	-1.96	-0.00	-2.5 to 2.5	Pass	
50	3.85	-2.27	-0.00	-2.5 to 2.5	Pass				
16QAM	2505	50	0	20	3.27	-2.90	-0.00	-2.5 to 2.5	Pass
					3.85	-1.72	-0.00	-2.5 to 2.5	Pass
					4.43	0.23	0.00	-2.5 to 2.5	Pass
				-30	3.85	-1.54	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.45	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-2.22	-0.00	-2.5 to 2.5	Pass
				0	3.85	2.53	0.00	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

				10	3.85	-1.72	-0.00	-2.5 to 2.5	Pass				
				30	3.85	1.54	0.00	-2.5 to 2.5	Pass				
				40	3.85	-2.70	-0.00	-2.5 to 2.5	Pass				
				50	3.85	0.60	0.00	-2.5 to 2.5	Pass				
	2535	50	0	20	3.27	-5.28	-0.00	-2.5 to 2.5	Pass				
3.85					-0.03	0.00	-2.5 to 2.5	Pass					
4.43					-2.30	-0.00	-2.5 to 2.5	Pass					
							-30	3.85	-3.66	-0.00	-2.5 to 2.5	Pass	
							-20	3.85	-3.25	-0.00	-2.5 to 2.5	Pass	
							-10	3.85	-4.12	-0.00	-2.5 to 2.5	Pass	
							0	3.85	-4.92	-0.00	-2.5 to 2.5	Pass	
							10	3.85	-3.82	-0.00	-2.5 to 2.5	Pass	
							30	3.85	-3.40	-0.00	-2.5 to 2.5	Pass	
							40	3.85	-8.68	-0.00	-2.5 to 2.5	Pass	
							50	3.85	-6.37	-0.00	-2.5 to 2.5	Pass	
				2565	50	0	20	3.27	1.96	0.00	-2.5 to 2.5	Pass	
3.85	0.47	0.00	-2.5 to 2.5					Pass					
4.43	-4.98	-0.00	-2.5 to 2.5					Pass					
							-30	3.85	-2.32	-0.00	-2.5 to 2.5	Pass	
							-20	3.85	-3.45	-0.00	-2.5 to 2.5	Pass	
							-10	3.85	1.53	0.00	-2.5 to 2.5	Pass	
							0	3.85	-5.88	-0.00	-2.5 to 2.5	Pass	
							10	3.85	-4.89	-0.00	-2.5 to 2.5	Pass	
							30	3.85	-3.40	-0.00	-2.5 to 2.5	Pass	
							40	3.85	-0.63	-0.00	-2.5 to 2.5	Pass	
							50	3.85	-2.40	-0.00	-2.5 to 2.5	Pass	
64QAM	2505	50	0				20	3.27	-4.33	-0.00	-2.5 to 2.5	Pass	
				3.85	-6.54	-0.00		-2.5 to 2.5	Pass				
				4.43	0.37	0.00		-2.5 to 2.5	Pass				
								-30	3.85	-0.79	-0.00	-2.5 to 2.5	Pass
								-20	3.85	-3.08	-0.00	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

				-10	3.85	-5.24	-0.00	-2.5 to 2.5	Pass			
				0	3.85	-1.89	-0.00	-2.5 to 2.5	Pass			
				10	3.85	-2.76	-0.00	-2.5 to 2.5	Pass			
				30	3.85	-1.26	-0.00	-2.5 to 2.5	Pass			
				40	3.85	4.05	0.00	-2.5 to 2.5	Pass			
				50	3.85	-4.22	-0.00	-2.5 to 2.5	Pass			
	2535	50	0	20	3.27	-5.55	-0.00	-2.5 to 2.5	Pass			
3.85					-5.09	-0.00	-2.5 to 2.5	Pass				
4.43					-5.08	-0.00	-2.5 to 2.5	Pass				
							-30	3.85	5.15	0.00	-2.5 to 2.5	Pass
							-20	3.85	-4.63	-0.00	-2.5 to 2.5	Pass
							-10	3.85	-3.78	-0.00	-2.5 to 2.5	Pass
							0	3.85	-0.83	-0.00	-2.5 to 2.5	Pass
							10	3.85	-3.93	-0.00	-2.5 to 2.5	Pass
							30	3.85	-4.15	-0.00	-2.5 to 2.5	Pass
							40	3.85	-0.77	-0.00	-2.5 to 2.5	Pass
							50	3.85	0.83	0.00	-2.5 to 2.5	Pass
				2565	50	0	20	3.27	1.23	0.00	-2.5 to 2.5	Pass
3.85	1.32	0.00	-2.5 to 2.5					Pass				
4.43	-2.49	-0.00	-2.5 to 2.5					Pass				
							-30	3.85	-6.24	-0.00	-2.5 to 2.5	Pass
							-20	3.85	-2.13	-0.00	-2.5 to 2.5	Pass
							-10	3.85	-1.09	-0.00	-2.5 to 2.5	Pass
							0	3.85	-0.07	0.00	-2.5 to 2.5	Pass
							10	3.85	-5.24	-0.00	-2.5 to 2.5	Pass
							30	3.85	-0.59	-0.00	-2.5 to 2.5	Pass
							40	3.85	-5.55	-0.00	-2.5 to 2.5	Pass
							50	3.85	-2.40	-0.00	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

B7_15MHZ

TEST RESULT

Band: 7 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2507.5	75	0	20	3.27	-13.22	-0.01	-2.5 to 2.5	Pass
					3.85	-4.09	-0.00	-2.5 to 2.5	Pass
					4.43	-1.59	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-3.22	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.34	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.63	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.23	-0.00	-2.5 to 2.5	Pass
				10	3.85	-0.74	-0.00	-2.5 to 2.5	Pass
				30	3.85	0.30	0.00	-2.5 to 2.5	Pass
				40	3.85	-0.26	-0.00	-2.5 to 2.5	Pass
				50	3.85	-1.59	-0.00	-2.5 to 2.5	Pass
				2535	75	0	20	3.27	-7.97
	3.85	-2.23	-0.00					-2.5 to 2.5	Pass
	4.43	-4.62	-0.00					-2.5 to 2.5	Pass
	-30	3.85	0.90				0.00	-2.5 to 2.5	Pass
	-20	3.85	-4.13				-0.00	-2.5 to 2.5	Pass
	-10	3.85	-4.52				-0.00	-2.5 to 2.5	Pass
	0	3.85	-4.89				-0.00	-2.5 to 2.5	Pass
	10	3.85	-4.23				-0.00	-2.5 to 2.5	Pass
	30	3.85	-3.25				-0.00	-2.5 to 2.5	Pass
	40	3.85	-2.52				-0.00	-2.5 to 2.5	Pass
	50	3.85	-0.27				-0.00	-2.5 to 2.5	Pass
	2562.5	75	0				20	3.27	-8.88
				3.85	-1.59	-0.00		-2.5 to 2.5	Pass
				4.43	-1.14	-0.00		-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100026RF15

				-30	3.85	-1.95	-0.00	-2.5 to 2.5	Pass				
				-20	3.85	-4.82	-0.00	-2.5 to 2.5	Pass				
				-10	3.85	-1.13	-0.00	-2.5 to 2.5	Pass				
				0	3.85	-3.50	-0.00	-2.5 to 2.5	Pass				
				10	3.85	-0.99	-0.00	-2.5 to 2.5	Pass				
				30	3.85	-2.59	-0.00	-2.5 to 2.5	Pass				
				40	3.85	-3.16	-0.00	-2.5 to 2.5	Pass				
				50	3.85	-1.75	-0.00	-2.5 to 2.5	Pass				
16QAM	2507.5	75	0	20	3.27	0.11	0.00	-2.5 to 2.5	Pass				
					3.85	-1.04	-0.00	-2.5 to 2.5	Pass				
					4.43	-0.83	-0.00	-2.5 to 2.5	Pass				
								-30	3.85	-1.23	-0.00	-2.5 to 2.5	Pass
								-20	3.85	-2.19	-0.00	-2.5 to 2.5	Pass
								-10	3.85	-4.76	-0.00	-2.5 to 2.5	Pass
								0	3.85	-3.13	-0.00	-2.5 to 2.5	Pass
								10	3.85	-2.46	-0.00	-2.5 to 2.5	Pass
								30	3.85	-1.69	-0.00	-2.5 to 2.5	Pass
					40	3.85	-1.14	-0.00	-2.5 to 2.5	Pass			
					50	3.85	-1.99	-0.00	-2.5 to 2.5	Pass			
		2535	75	0	20	3.27	-4.32	-0.00	-2.5 to 2.5	Pass			
	3.85					-3.75	-0.00	-2.5 to 2.5	Pass				
	4.43					-4.29	-0.00	-2.5 to 2.5	Pass				
								-30	3.85	-2.55	-0.00	-2.5 to 2.5	Pass
								-20	3.85	-2.35	-0.00	-2.5 to 2.5	Pass
								-10	3.85	-2.52	-0.00	-2.5 to 2.5	Pass
								0	3.85	-2.39	-0.00	-2.5 to 2.5	Pass
								10	3.85	-5.46	-0.00	-2.5 to 2.5	Pass
							30	3.85	-0.40	-0.00	-2.5 to 2.5	Pass	
				40	3.85	-4.69	-0.00	-2.5 to 2.5	Pass				
				50	3.85	-1.43	-0.00	-2.5 to 2.5	Pass				
	2562.5	75	0	20	3.27	-6.78	-0.00	-2.5 to 2.5	Pass				



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					3.85	-3.15	-0.00	-2.5 to 2.5	Pass
					4.43	-3.95	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-3.46	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-2.05	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-6.75	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.71	-0.00	-2.5 to 2.5	Pass
				10	3.85	1.90	0.00	-2.5 to 2.5	Pass
				30	3.85	-3.69	-0.00	-2.5 to 2.5	Pass
				40	3.85	-2.75	-0.00	-2.5 to 2.5	Pass
				50	3.85	1.12	0.00	-2.5 to 2.5	Pass
64QAM	2507.5	75	0		3.27	-6.82	-0.00	-2.5 to 2.5	Pass
				20	3.85	-3.85	-0.00	-2.5 to 2.5	Pass
					4.43	-1.39	-0.00	-2.5 to 2.5	Pass
				-30	3.85	0.11	0.00	-2.5 to 2.5	Pass
				-20	3.85	1.03	0.00	-2.5 to 2.5	Pass
				-10	3.85	-1.97	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.33	-0.00	-2.5 to 2.5	Pass
				10	3.85	-5.45	-0.00	-2.5 to 2.5	Pass
				30	3.85	-4.65	-0.00	-2.5 to 2.5	Pass
				40	3.85	-4.49	-0.00	-2.5 to 2.5	Pass
50	3.85	-3.06	-0.00	-2.5 to 2.5	Pass				
64QAM	2535	75	0		3.27	-4.00	-0.00	-2.5 to 2.5	Pass
				20	3.85	-5.18	-0.00	-2.5 to 2.5	Pass
					4.43	-4.19	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-1.77	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-6.27	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.10	-0.00	-2.5 to 2.5	Pass
				0	3.85	-1.23	-0.00	-2.5 to 2.5	Pass
				10	3.85	-0.87	-0.00	-2.5 to 2.5	Pass
				30	3.85	-4.03	-0.00	-2.5 to 2.5	Pass
				40	3.85	-5.59	-0.00	-2.5 to 2.5	Pass



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				50	3.85	-3.35	-0.00	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-5.67	-0.00	-2.5 to 2.5	Pass
3.85					1.06	0.00	-2.5 to 2.5	Pass	
4.43					-4.29	-0.00	-2.5 to 2.5	Pass	
-30					3.85	1.80	0.00	-2.5 to 2.5	Pass
-20				3.85	1.17	0.00	-2.5 to 2.5	Pass	
-10				3.85	-1.77	-0.00	-2.5 to 2.5	Pass	
0				3.85	0.06	0.00	-2.5 to 2.5	Pass	
10				3.85	-3.92	-0.00	-2.5 to 2.5	Pass	
30				3.85	-1.22	-0.00	-2.5 to 2.5	Pass	
40				3.85	-1.67	-0.00	-2.5 to 2.5	Pass	
50				3.85	-2.58	-0.00	-2.5 to 2.5	Pass	

B7_20MHZ

TEST RESULT

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.27	-8.21	-0.00	-2.5 to 2.5	Pass
					3.85	-1.92	-0.00	-2.5 to 2.5	Pass
					4.43	-1.37	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.92	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.77	-0.00	-2.5 to 2.5	Pass
				-10	3.85	4.18	0.00	-2.5 to 2.5	Pass
				0	3.85	-0.74	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.05	-0.00	-2.5 to 2.5	Pass
				30	3.85	7.08	0.00	-2.5 to 2.5	Pass
				40	3.85	-0.99	-0.00	-2.5 to 2.5	Pass
				50	3.85	-0.27	-0.00	-2.5 to 2.5	Pass
					2535	100	0	20	3.27



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					3.85	-1.40	-0.00	-2.5 to 2.5	Pass
					4.43	-0.83	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-4.15	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.37	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-1.19	-0.00	-2.5 to 2.5	Pass
				0	3.85	-4.68	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.27	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.13	-0.00	-2.5 to 2.5	Pass
				40	3.85	-0.53	-0.00	-2.5 to 2.5	Pass
				50	3.85	-2.75	-0.00	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-4.32	-0.00	-2.5 to 2.5	Pass
					3.85	-6.84	-0.00	-2.5 to 2.5	Pass
					4.43	-1.19	-0.00	-2.5 to 2.5	Pass
				-30	3.85	1.23	0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.07	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-1.34	-0.00	-2.5 to 2.5	Pass
				0	3.85	1.87	0.00	-2.5 to 2.5	Pass
				10	3.85	-3.36	-0.00	-2.5 to 2.5	Pass
				30	3.85	-0.37	-0.00	-2.5 to 2.5	Pass
40				3.85	-3.52	-0.00	-2.5 to 2.5	Pass	
50	3.85	-1.39	-0.00	-2.5 to 2.5	Pass				
16QAM	2510	100	0	20	3.27	-4.86	-0.00	-2.5 to 2.5	Pass
					3.85	2.00	0.00	-2.5 to 2.5	Pass
					4.43	-1.66	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.48	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.54	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-2.99	-0.00	-2.5 to 2.5	Pass
				0	3.85	-0.93	-0.00	-2.5 to 2.5	Pass
				10	3.85	2.83	0.00	-2.5 to 2.5	Pass
				30	3.85	-1.59	-0.00	-2.5 to 2.5	Pass
				40	3.85	2.05	0.00	-2.5 to 2.5	Pass



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	2535	100	0	50	3.85	0.11	0.00	-2.5 to 2.5	Pass
				20	3.27	-0.84	-0.00	-2.5 to 2.5	Pass
					3.85	-1.37	-0.00	-2.5 to 2.5	Pass
					4.43	-1.67	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-4.06	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-1.43	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-2.53	-0.00	-2.5 to 2.5	Pass
				0	3.85	-2.33	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.45	-0.00	-2.5 to 2.5	Pass
				30	3.85	-1.39	-0.00	-2.5 to 2.5	Pass
	40	3.85	-2.66	-0.00	-2.5 to 2.5	Pass			
	50	3.85	-5.69	-0.00	-2.5 to 2.5	Pass			
	2560	100	0	20	3.27	-3.15	-0.00	-2.5 to 2.5	Pass
					3.85	-2.77	-0.00	-2.5 to 2.5	Pass
					4.43	-2.48	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-6.85	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-0.40	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.47	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.33	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.59	-0.00	-2.5 to 2.5	Pass
30				3.85	-1.54	-0.00	-2.5 to 2.5	Pass	
40	3.85	0.00	0.00	-2.5 to 2.5	Pass				
50	3.85	-1.99	-0.00	-2.5 to 2.5	Pass				
64QAM	2510	100	0	20	3.27	-1.32	-0.00	-2.5 to 2.5	Pass
					3.85	0.07	0.00	-2.5 to 2.5	Pass
					4.43	1.90	0.00	-2.5 to 2.5	Pass
				-30	3.85	0.47	0.00	-2.5 to 2.5	Pass
				-20	3.85	1.70	0.00	-2.5 to 2.5	Pass
				-10	3.85	1.03	0.00	-2.5 to 2.5	Pass
				0	3.85	0.39	0.00	-2.5 to 2.5	Pass
				10	3.85	-2.43	-0.00	-2.5 to 2.5	Pass