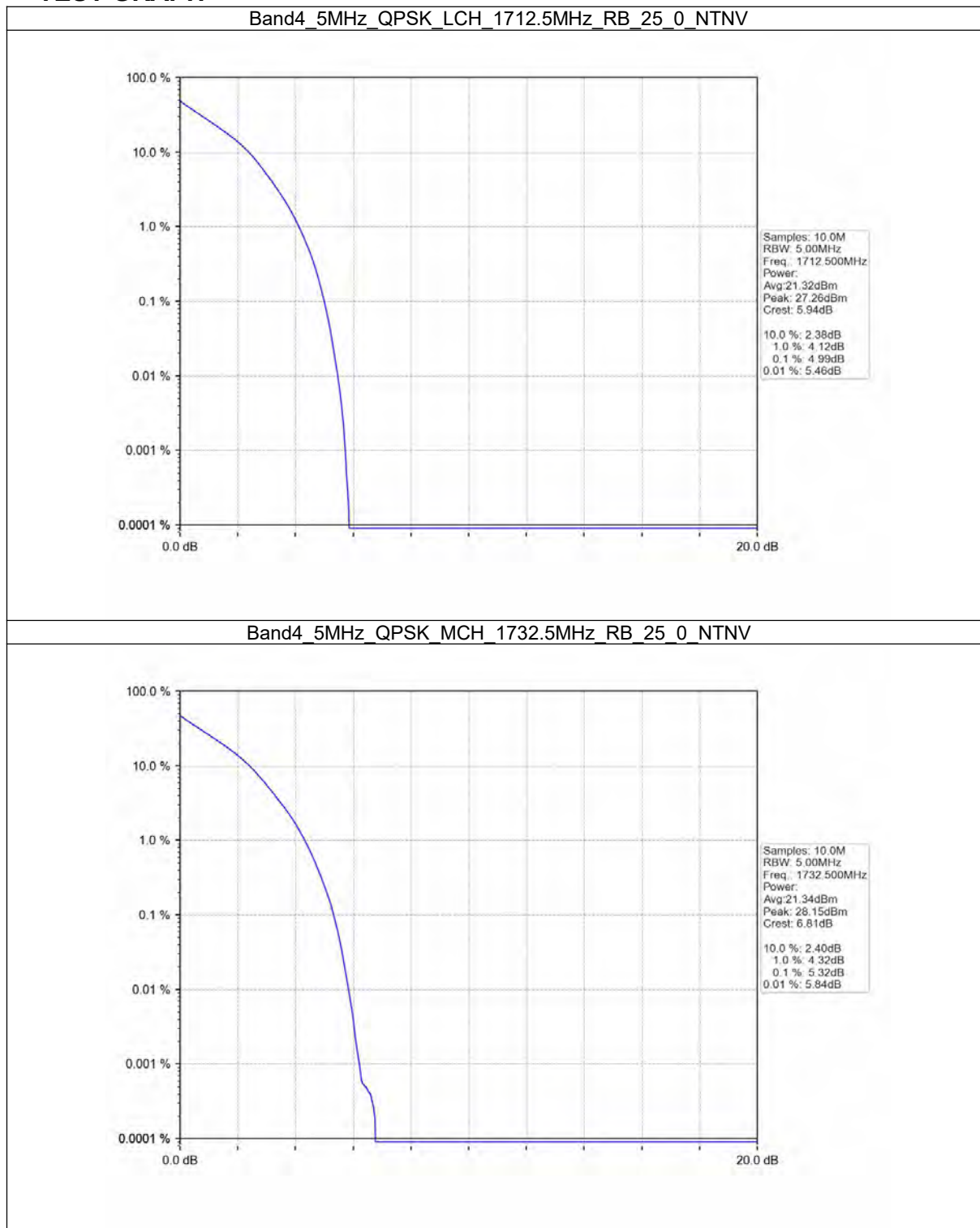
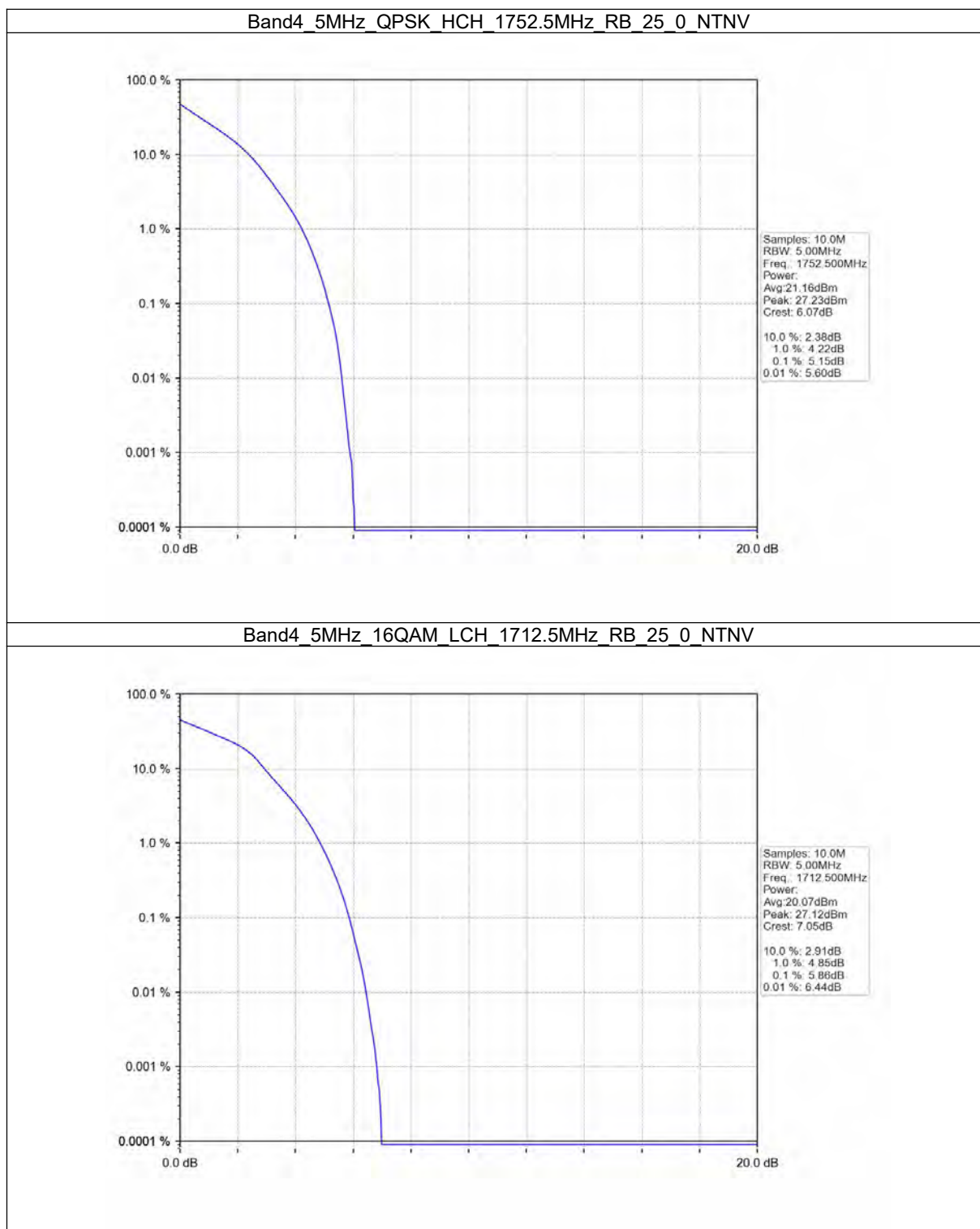
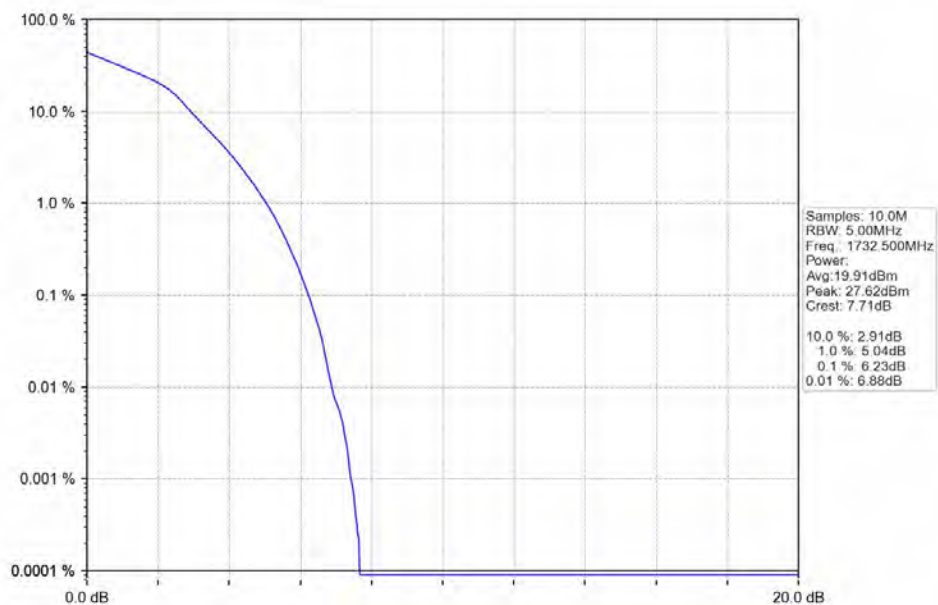


TEST GRAPH

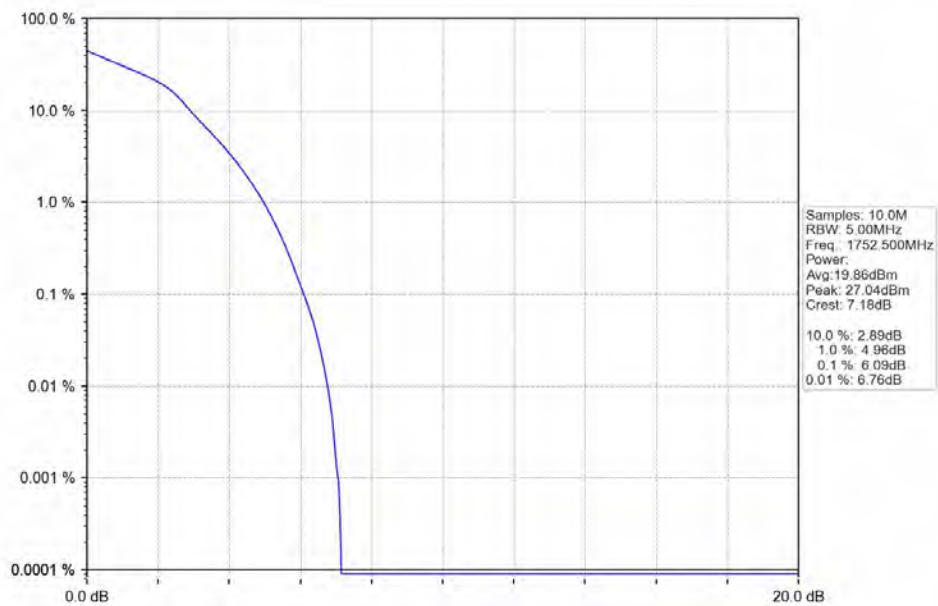




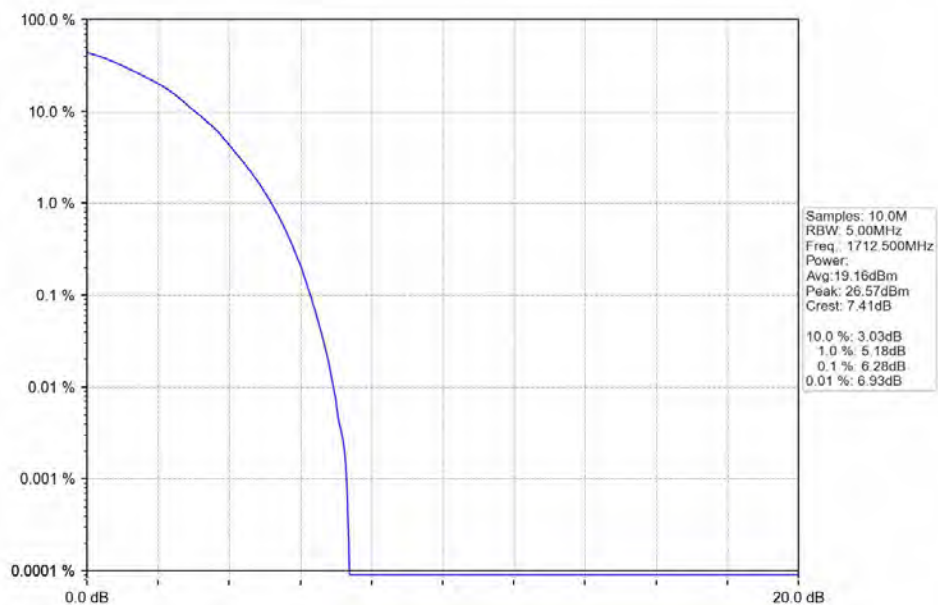
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



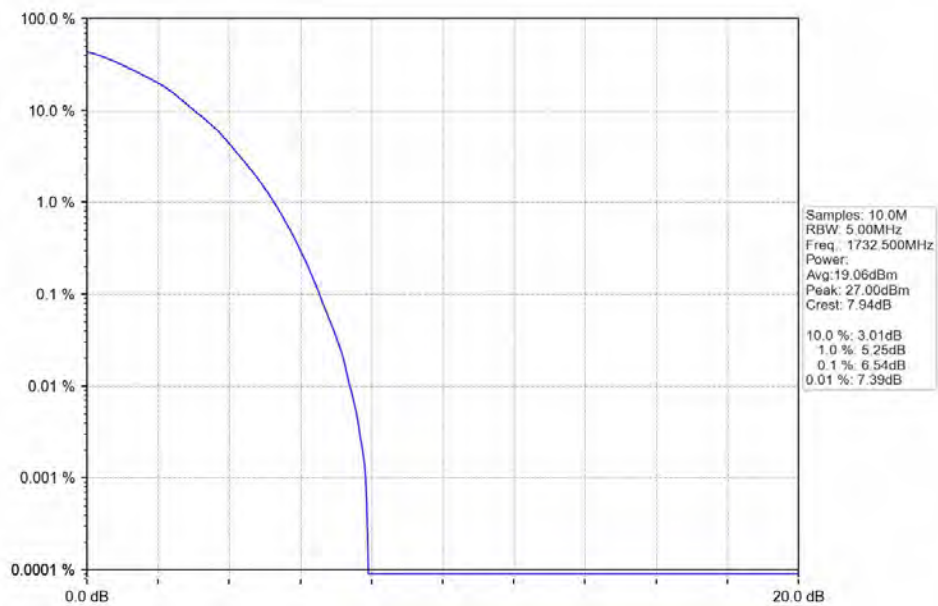
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

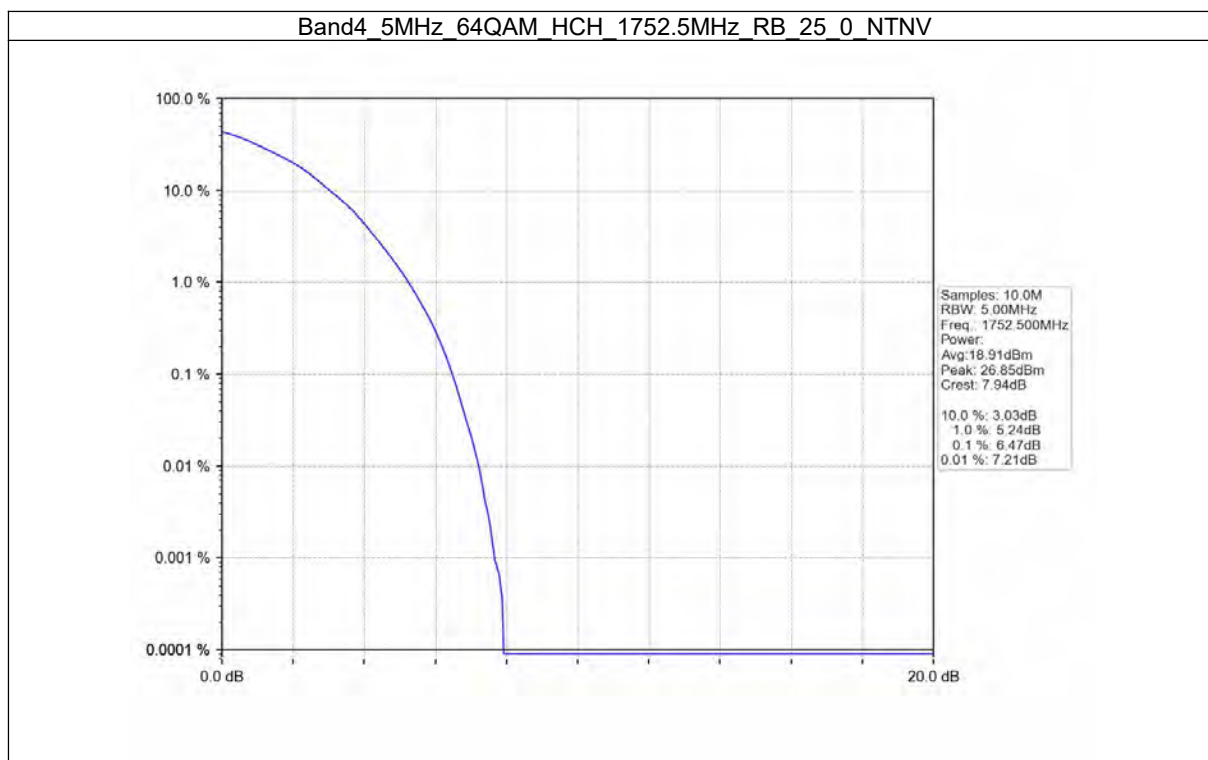


Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV





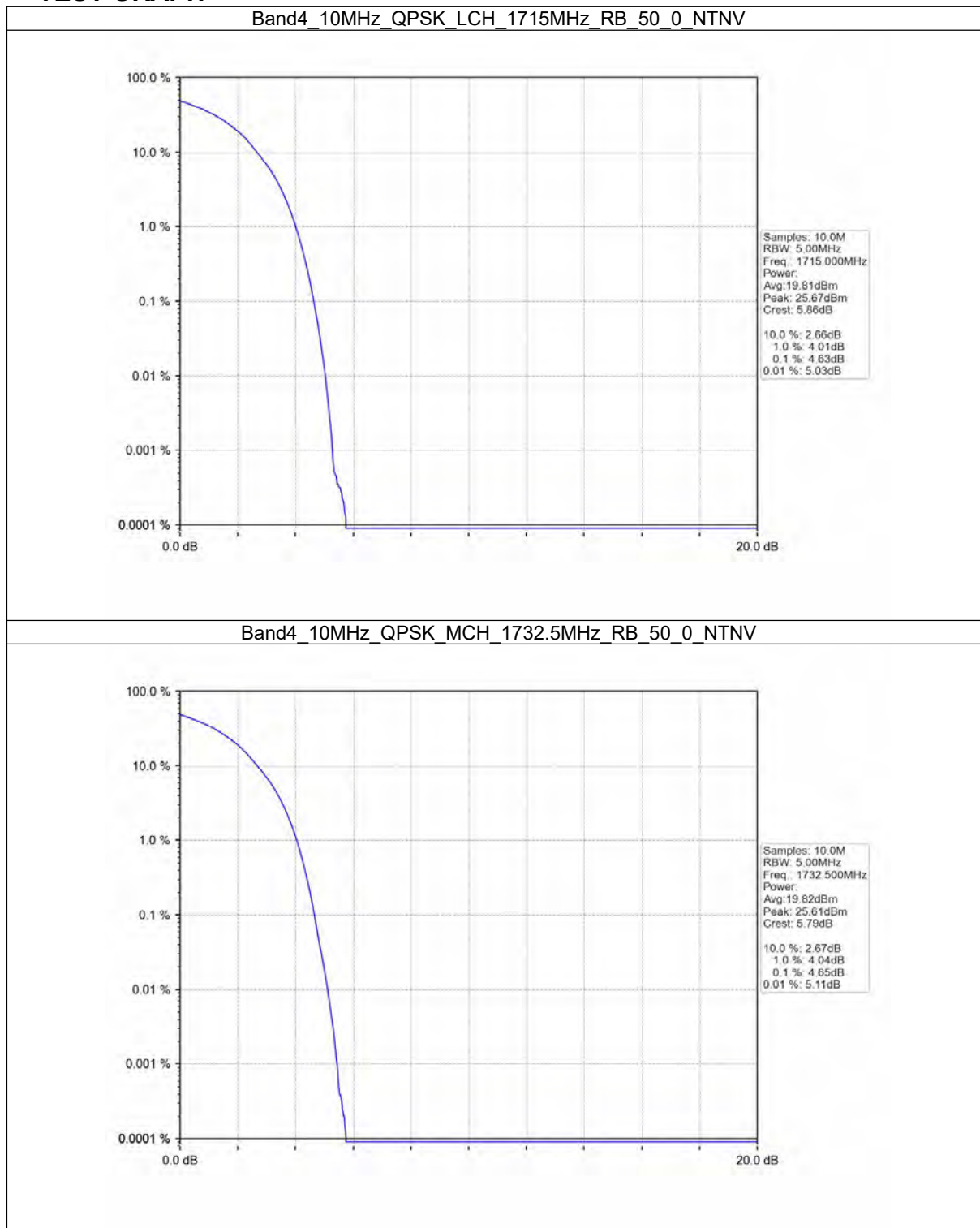


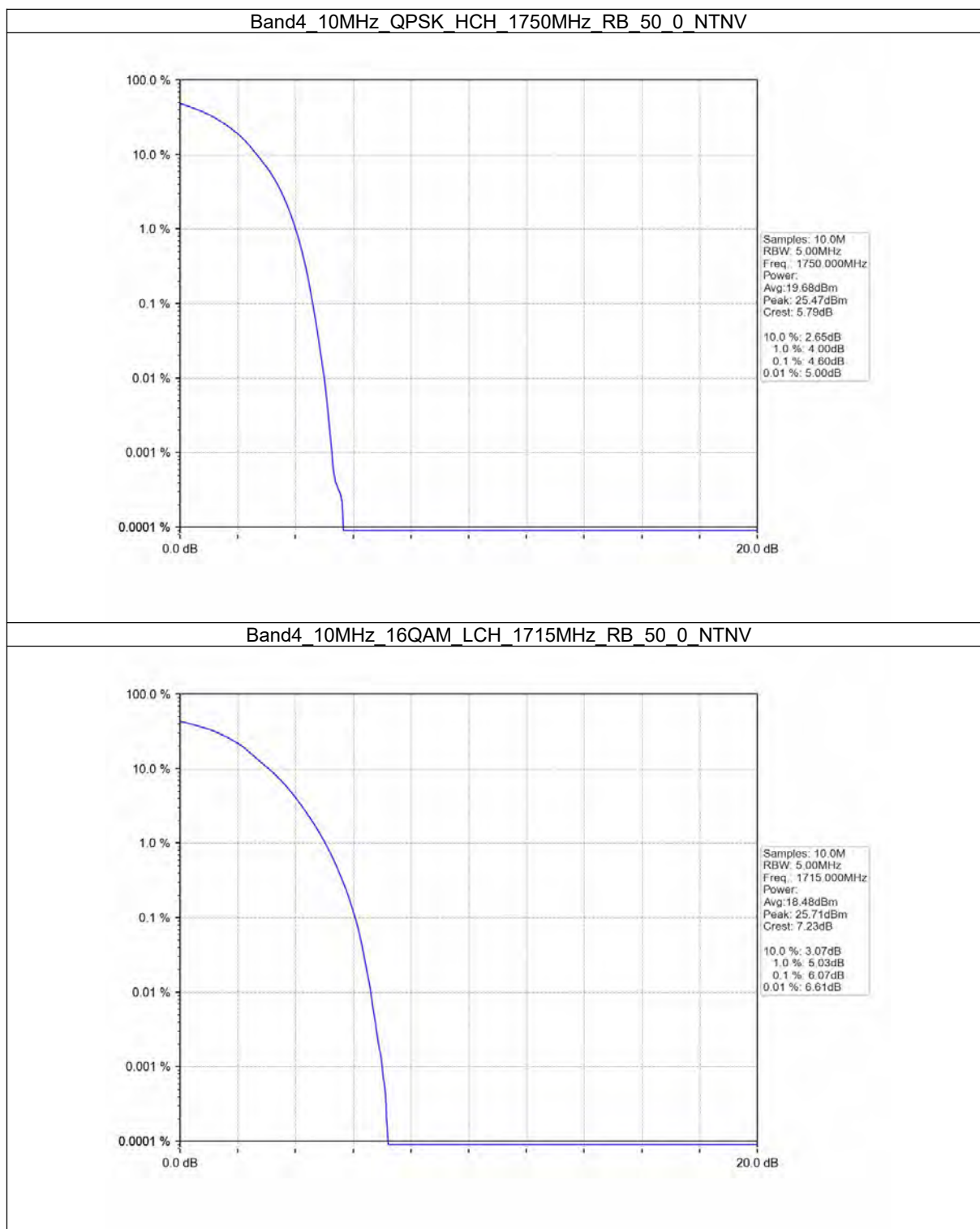
Test Report No.: W7L-P21100018-2RF06

B4_10MHZ TEST RESULT

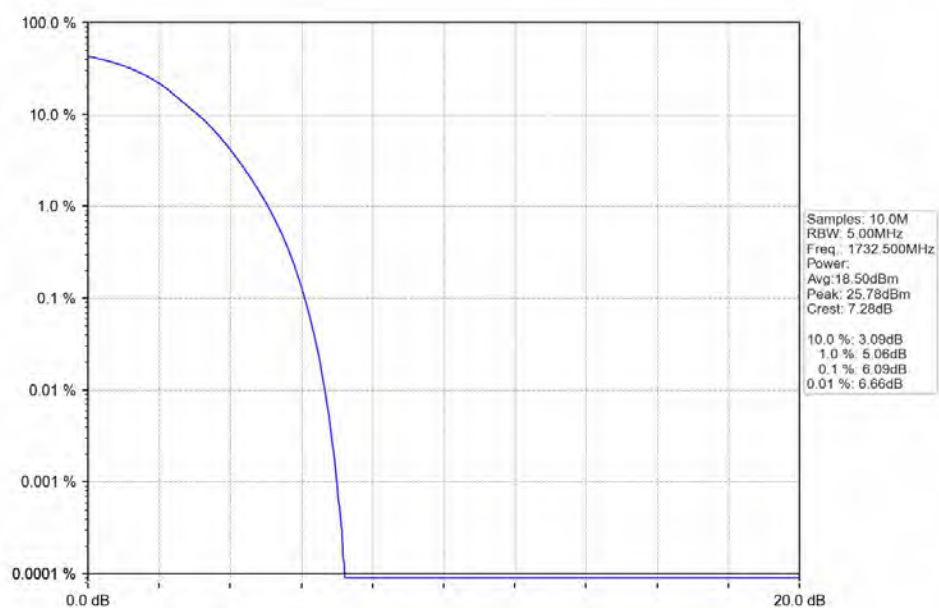
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	4.63	≤ 13	Pass
	1732.5	50	0	4.65	≤ 13	Pass
	1750	50	0	4.60	≤ 13	Pass
16QAM	1715	50	0	6.07	≤ 13	Pass
	1732.5	50	0	6.09	≤ 13	Pass
	1750	50	0	6.12	≤ 13	Pass
64QAM	1715	50	0	6.42	≤ 13	Pass
	1732.5	50	0	6.48	≤ 13	Pass
	1750	50	0	6.46	≤ 13	Pass

TEST GRAPH

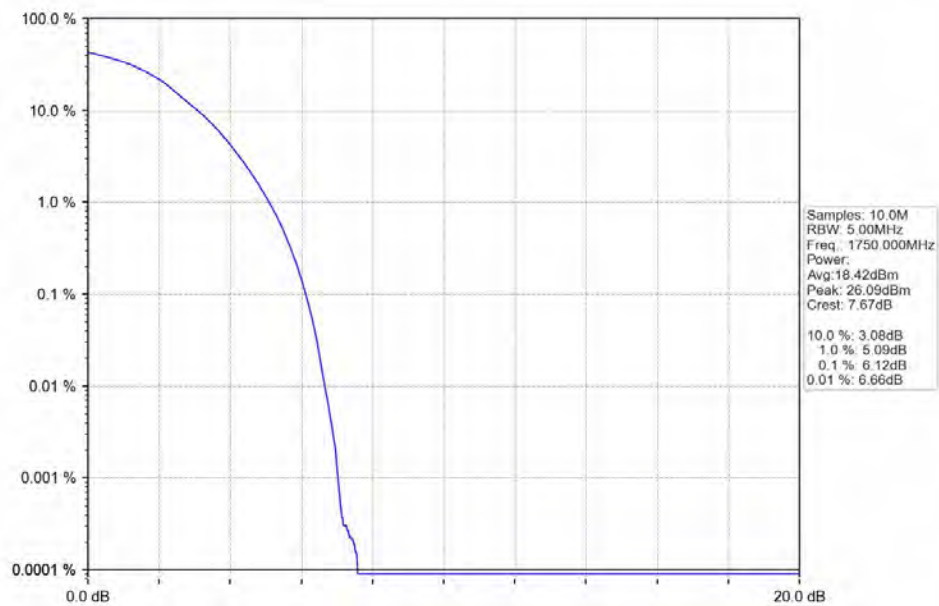




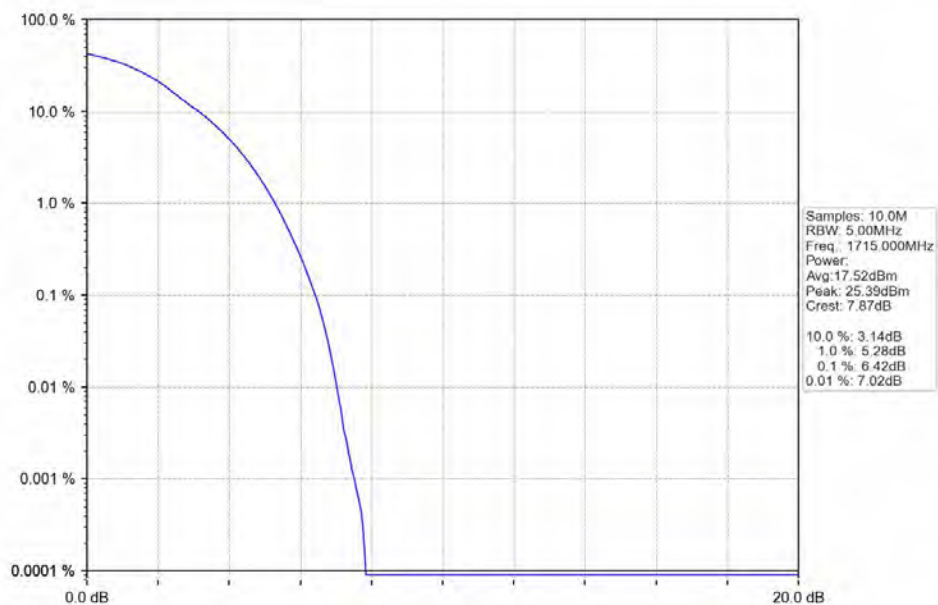
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



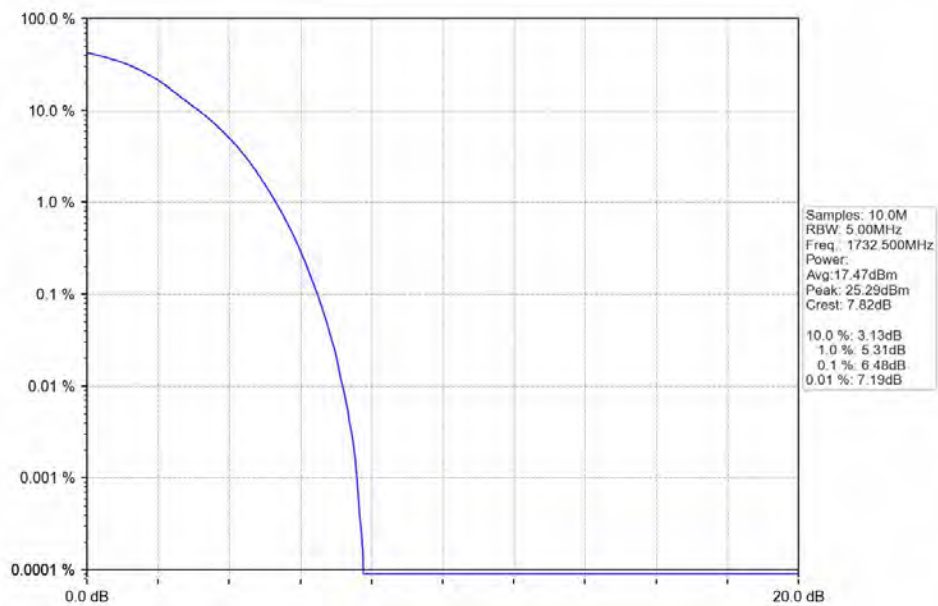
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV





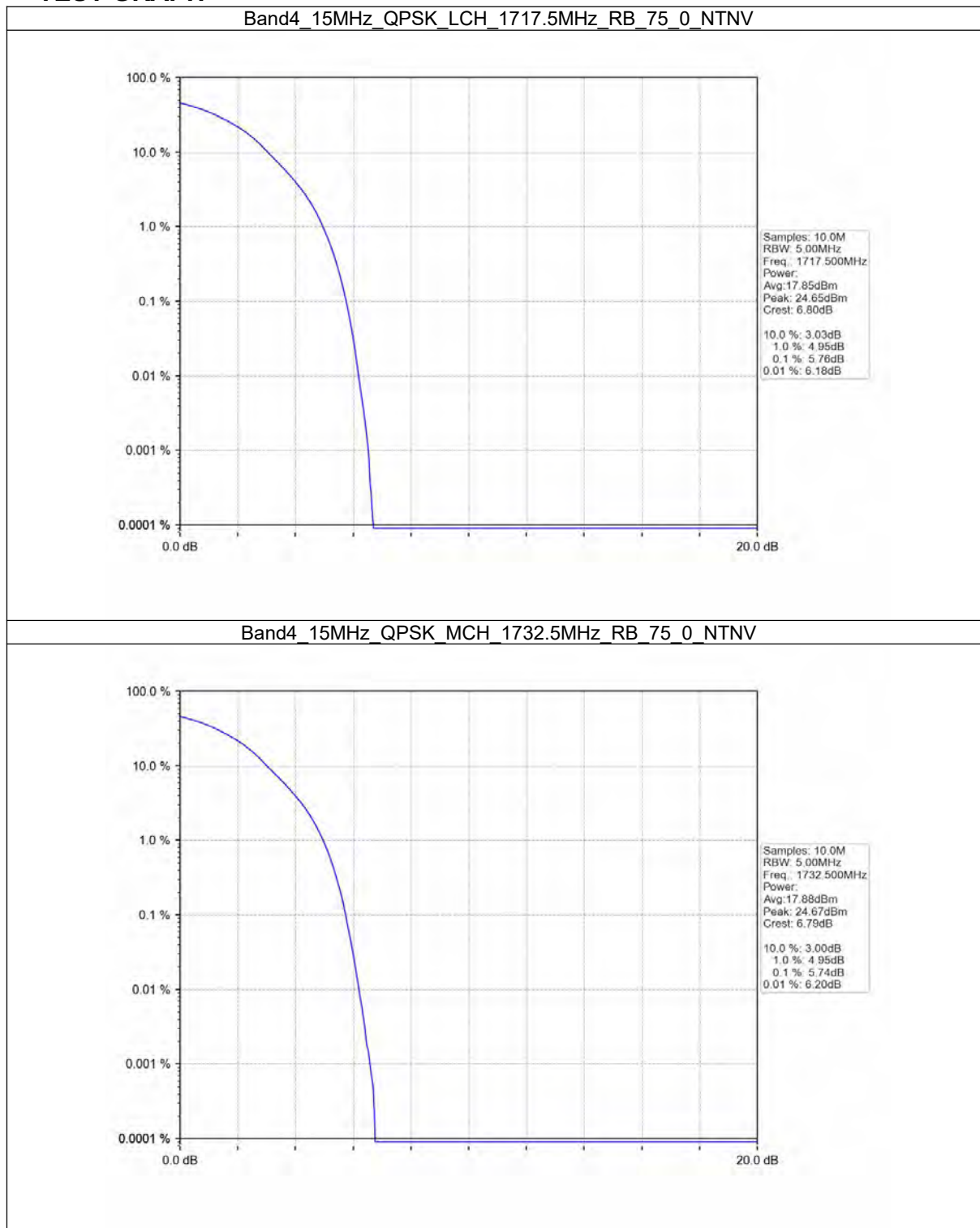


Test Report No.: W7L-P21100018-2RF06

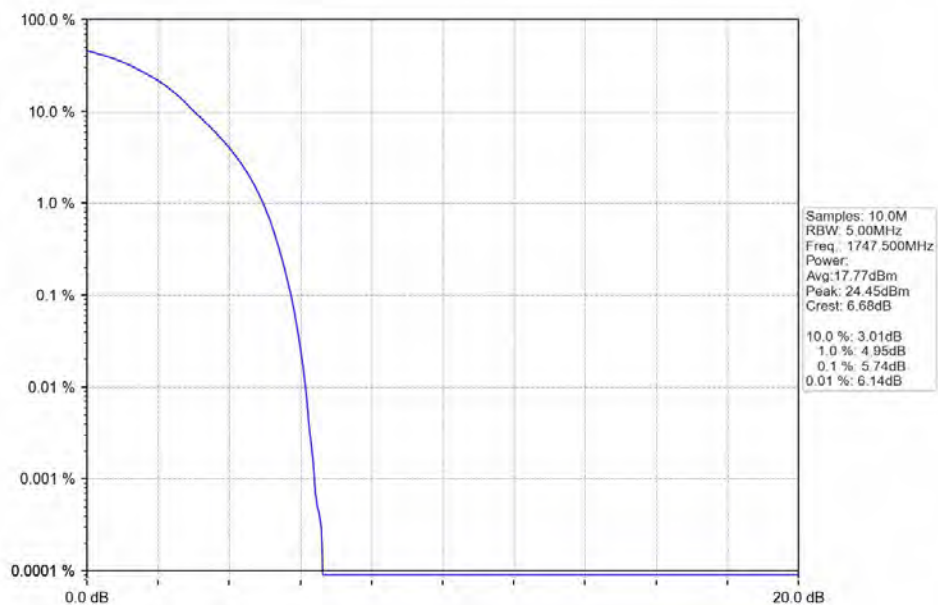
B4_15MHZ TEST RESULT

Band: 4 / Bandwidth: 15MHz / NTV						
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	5.74	≤ 13	Pass
16QAM	1717.5	75	0	6.75	≤ 13	Pass
	1732.5	75	0	6.82	≤ 13	Pass
	1747.5	75	0	6.85	≤ 13	Pass
64QAM	1717.5	75	0	7.03	≤ 13	Pass
	1732.5	75	0	6.98	≤ 13	Pass
	1747.5	75	0	6.96	≤ 13	Pass

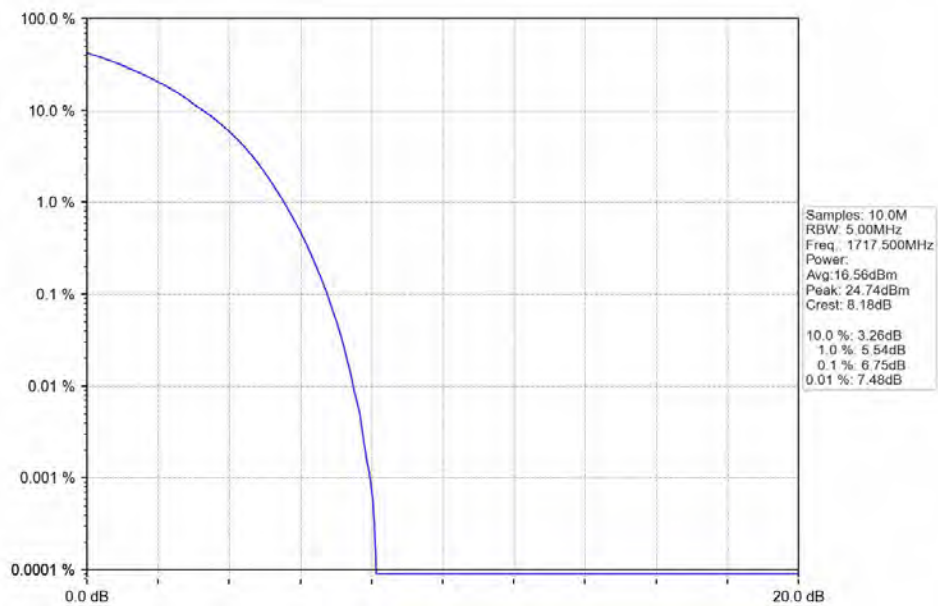
TEST GRAPH



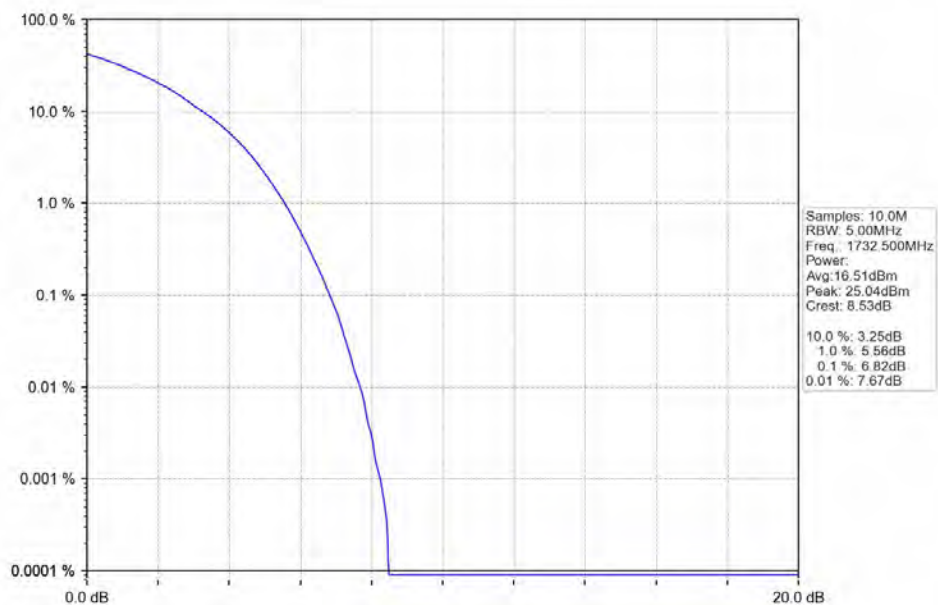
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



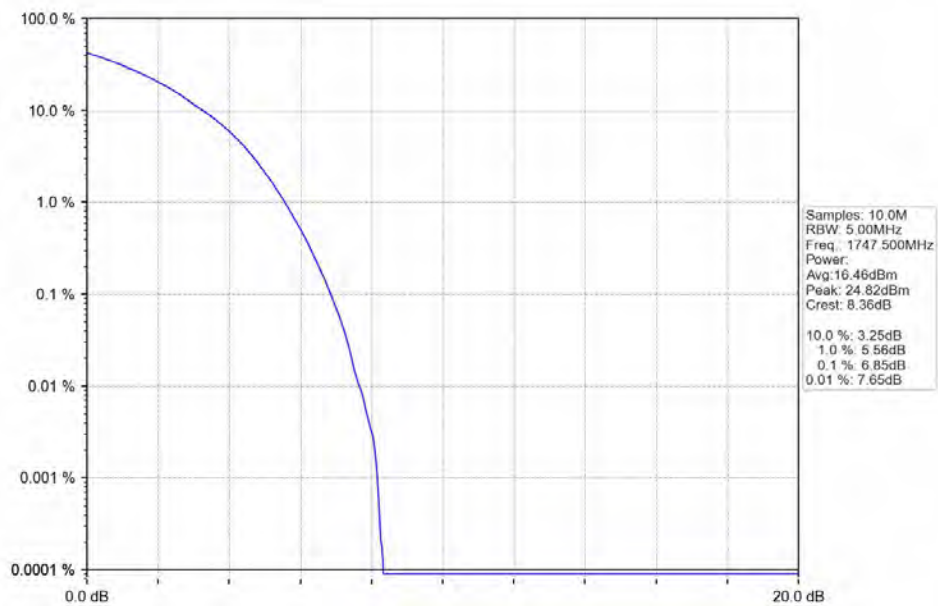
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



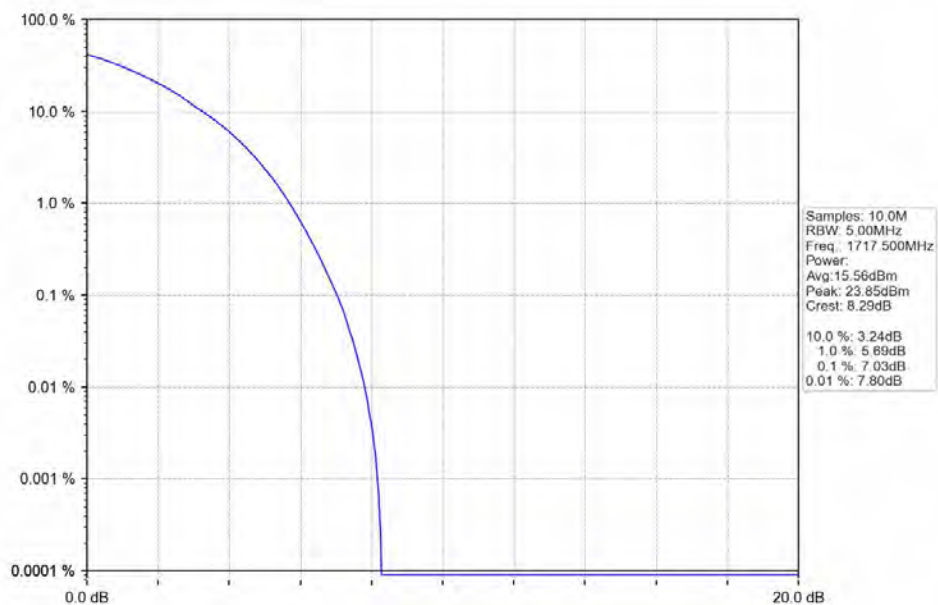
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



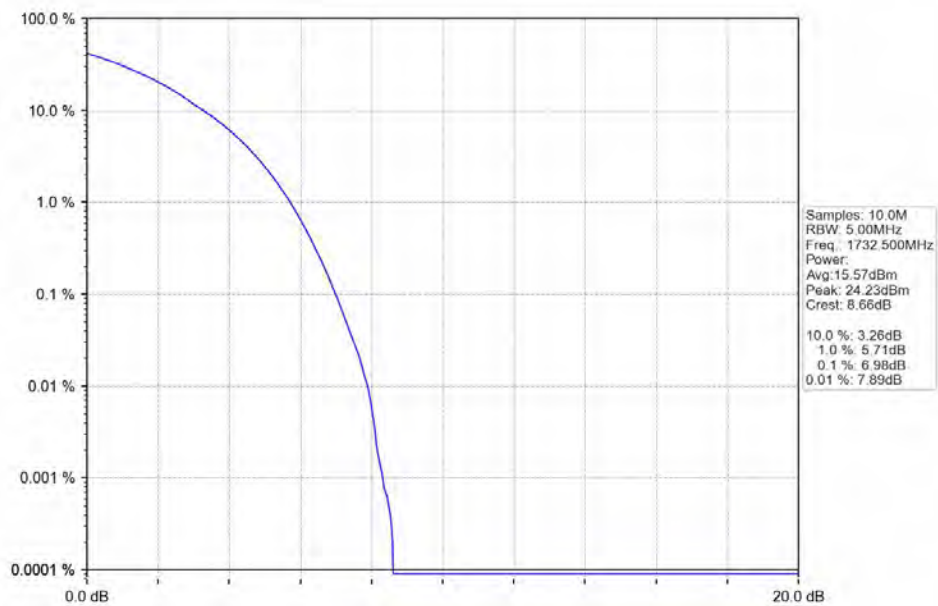
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

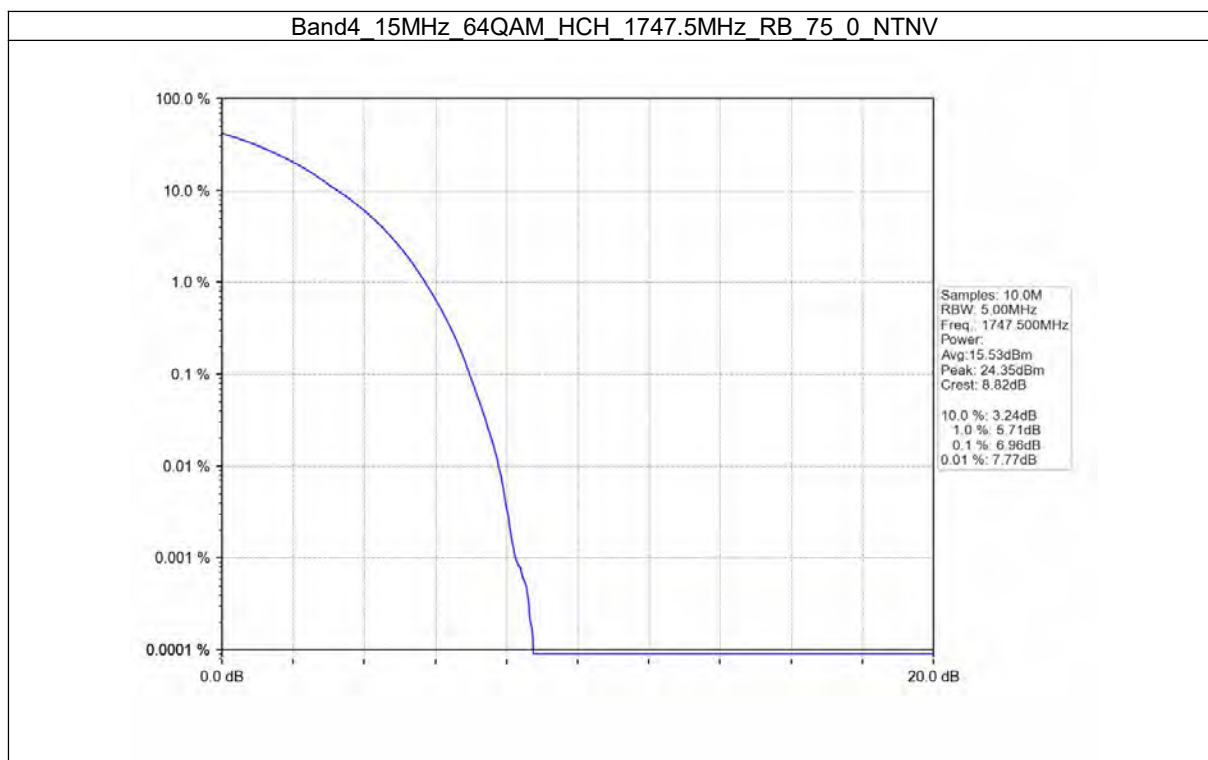


Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV





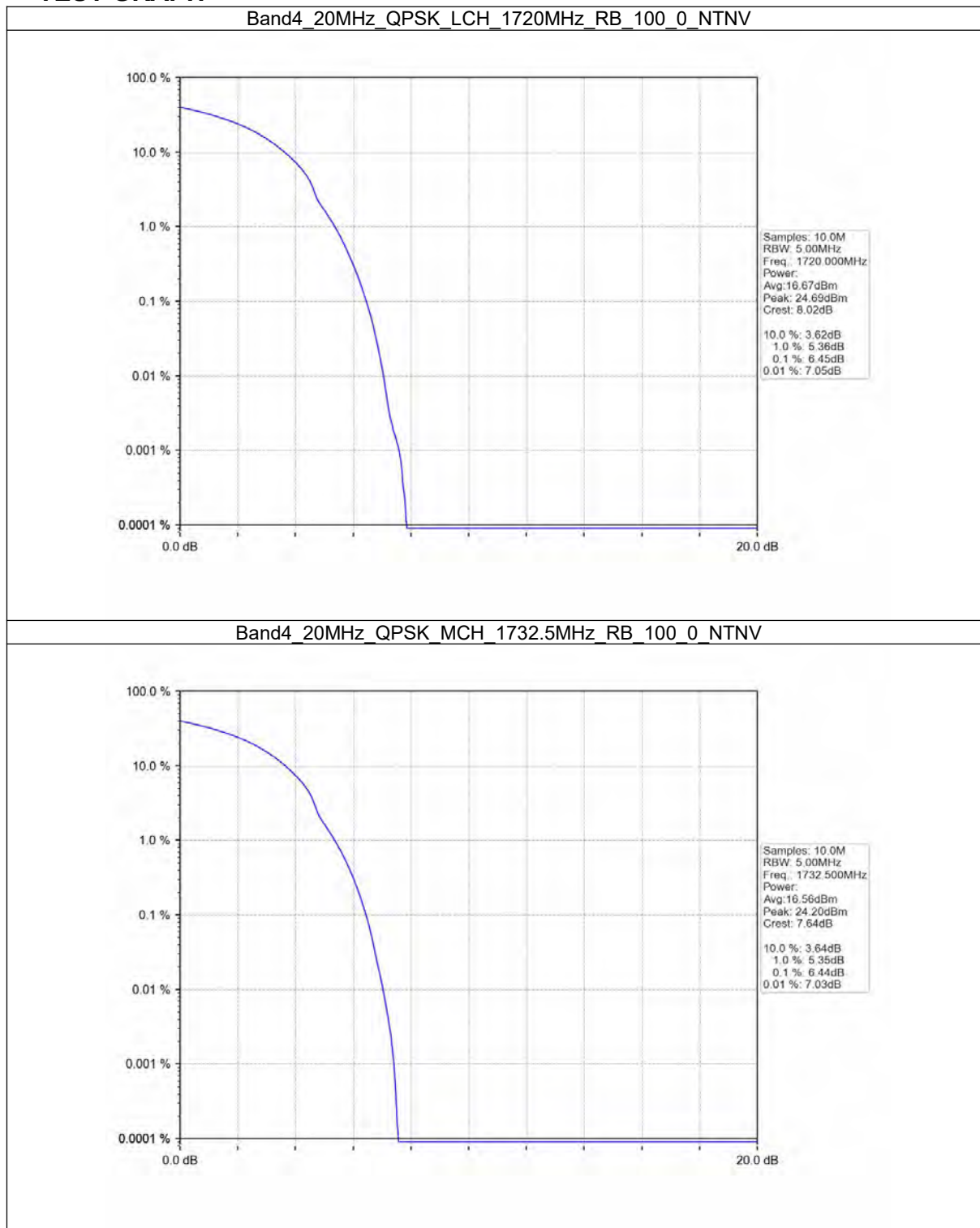


Test Report No.: W7L-P21100018-2RF06

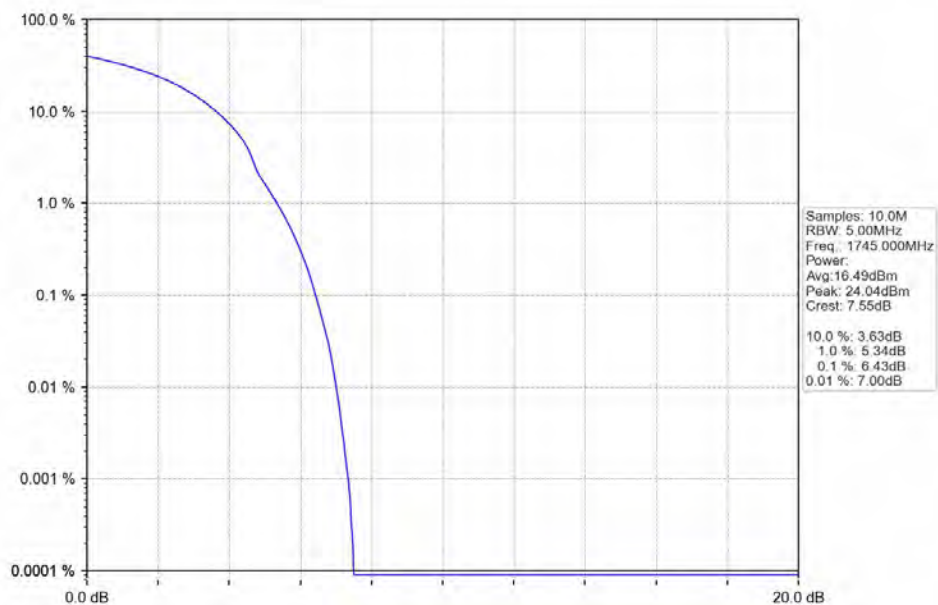
B4_20MHZ TEST RESULT

Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	6.45	≤ 13	Pass
	1732.5	100	0	6.44	≤ 13	Pass
	1745	100	0	6.43	≤ 13	Pass
16QAM	1720	100	0	7.20	≤ 13	Pass
	1732.5	100	0	7.22	≤ 13	Pass
	1745	100	0	7.13	≤ 13	Pass
64QAM	1720	100	0	7.24	≤ 13	Pass
	1732.5	100	0	7.33	≤ 13	Pass
	1745	100	0	7.31	≤ 13	Pass

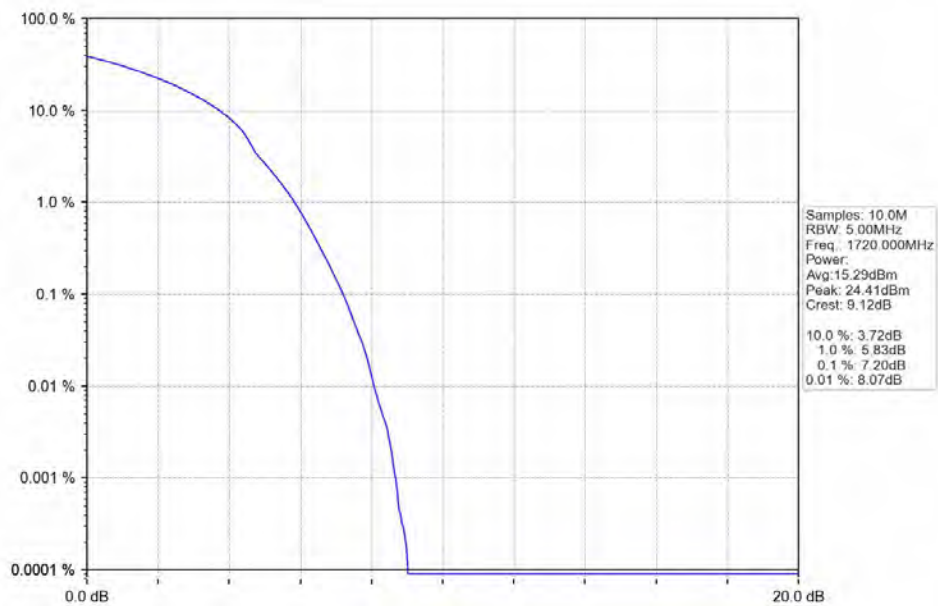
TEST GRAPH



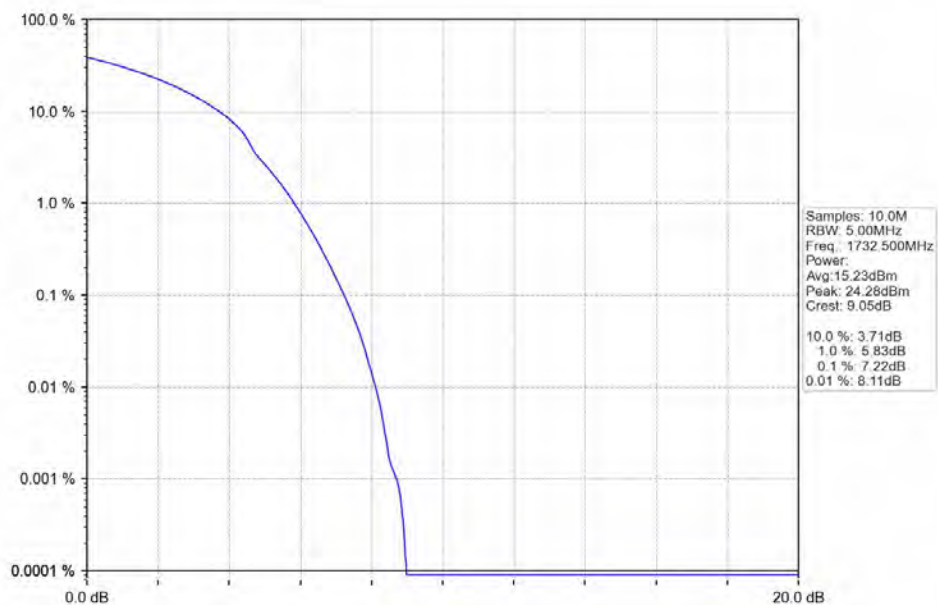
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



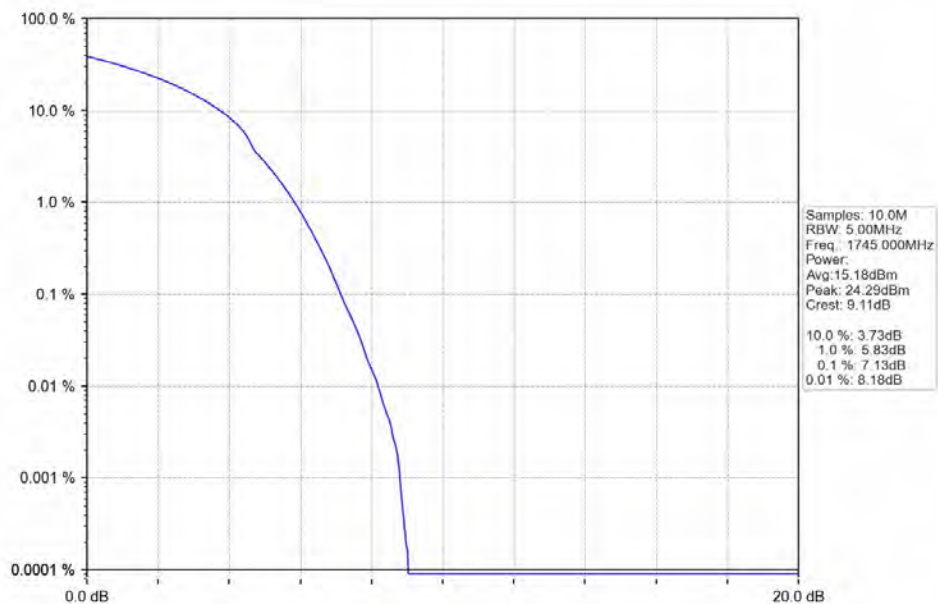
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



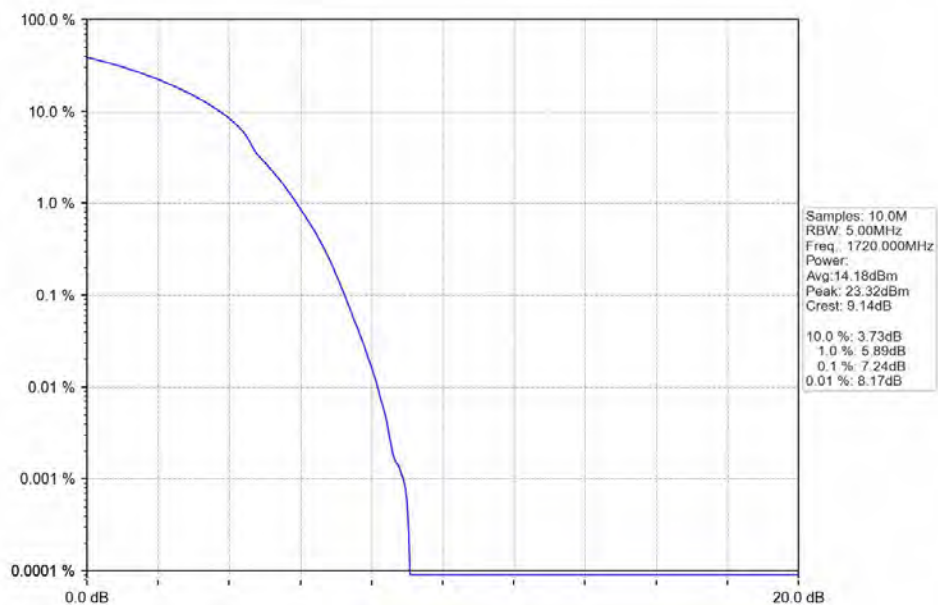
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



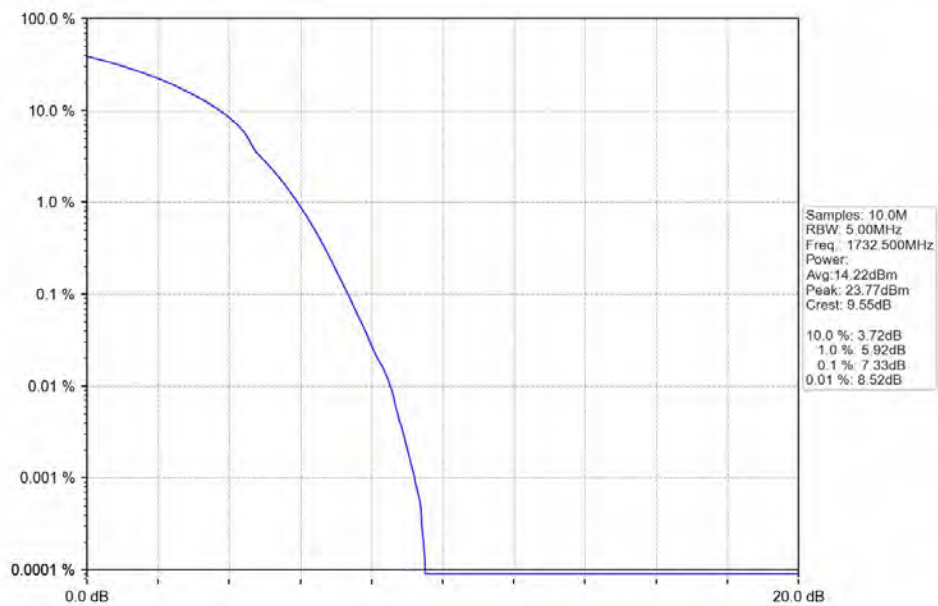
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

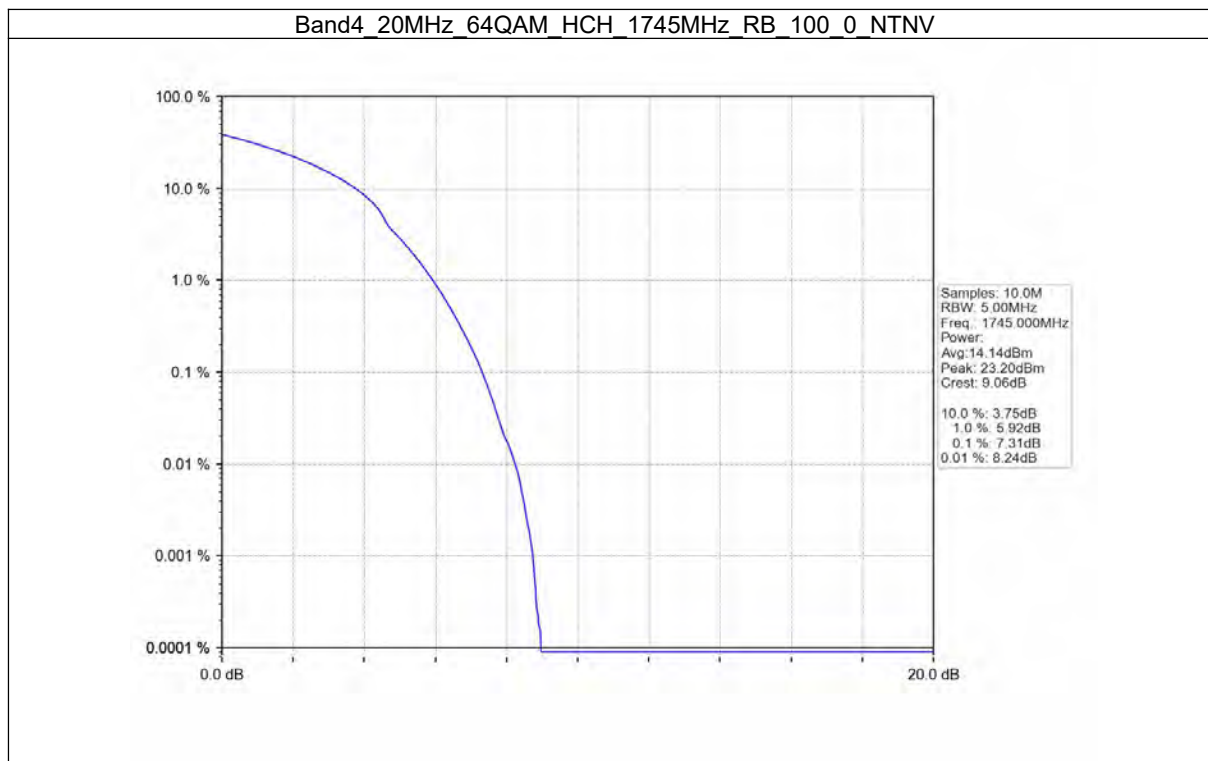


Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV

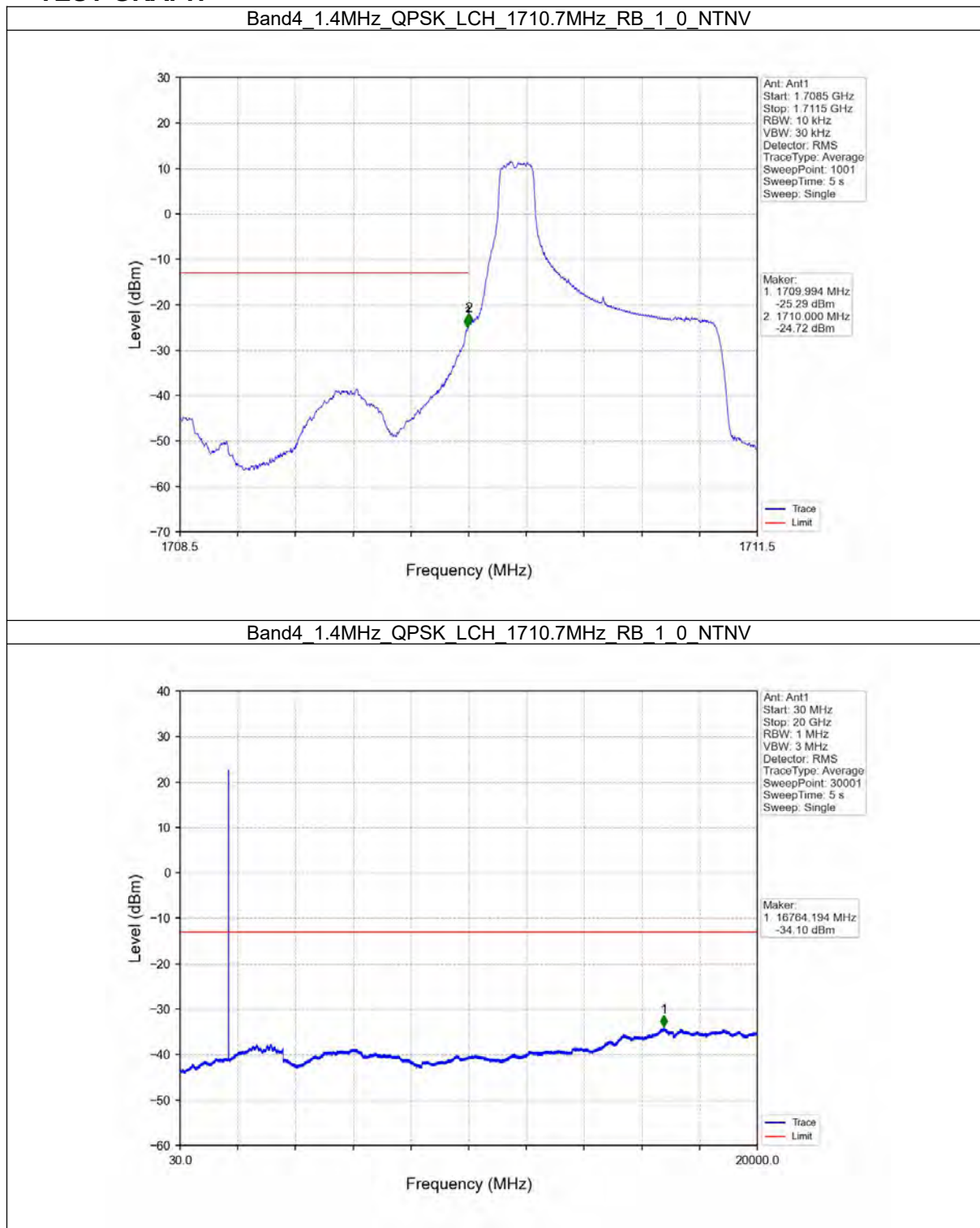




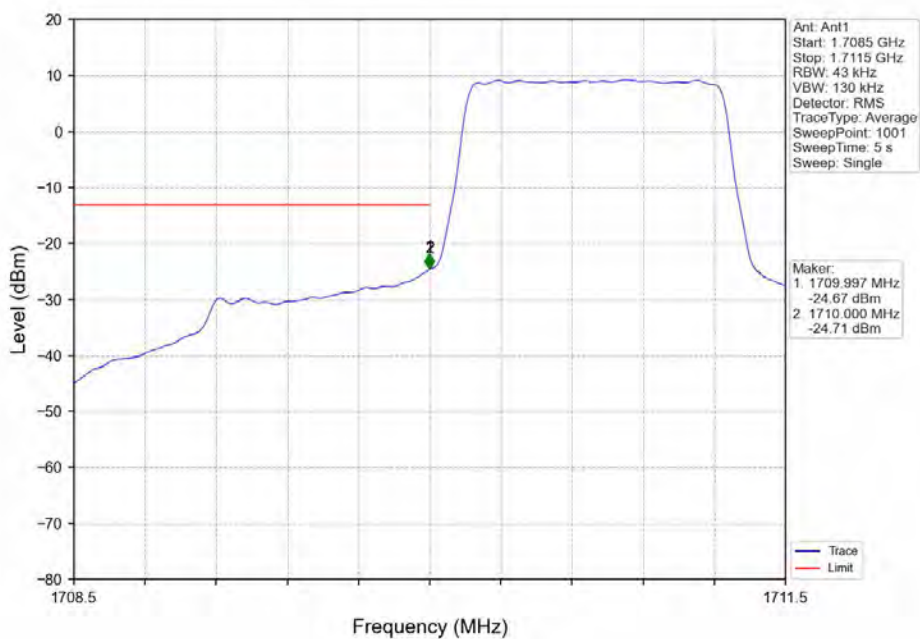
SPURIOUS EMISSION B4_1.4MHZ TEST RESULT

Band: 4 / Bandwidth: 1.4MHz / NTNV						
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

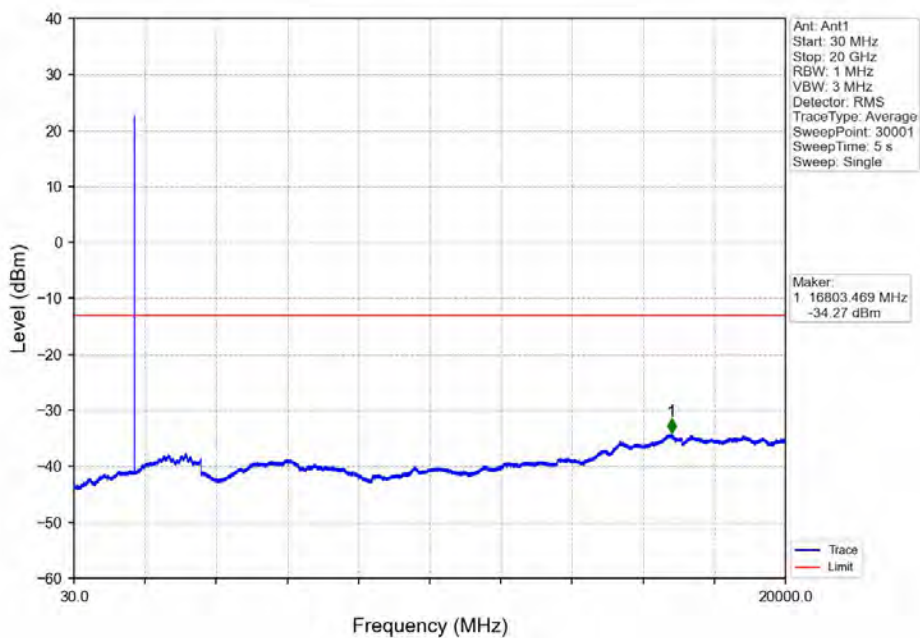
TEST GRAPH



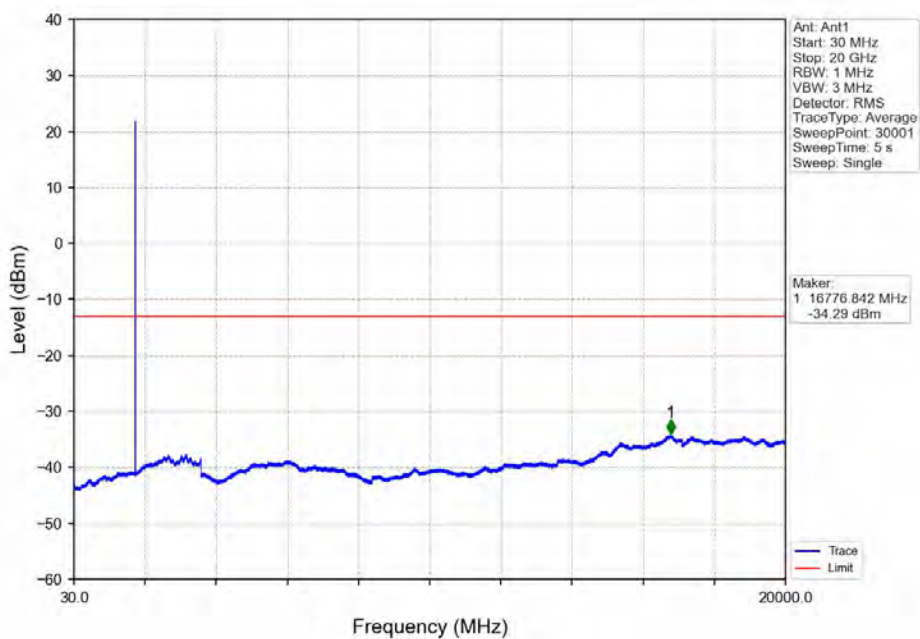
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



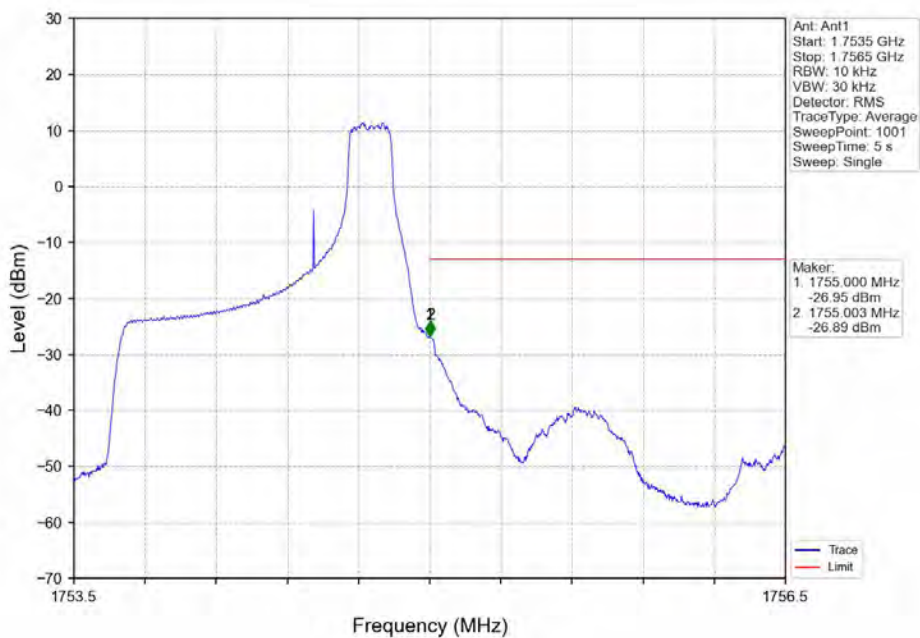
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



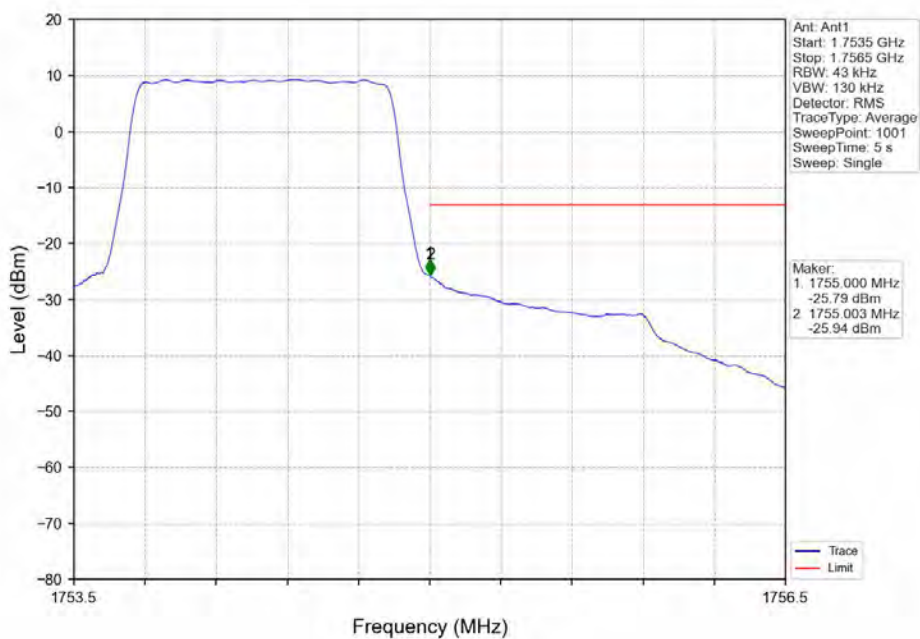
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



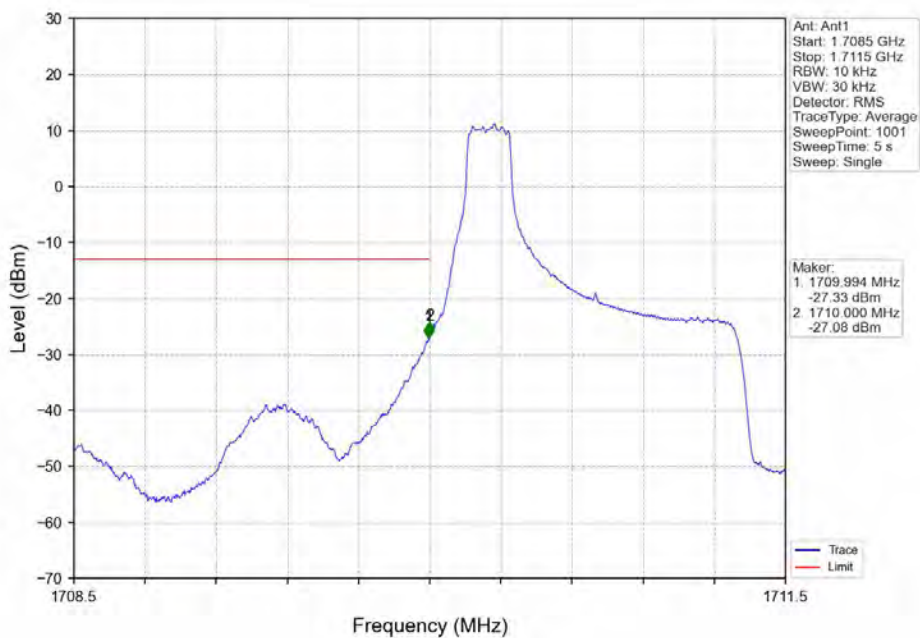
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



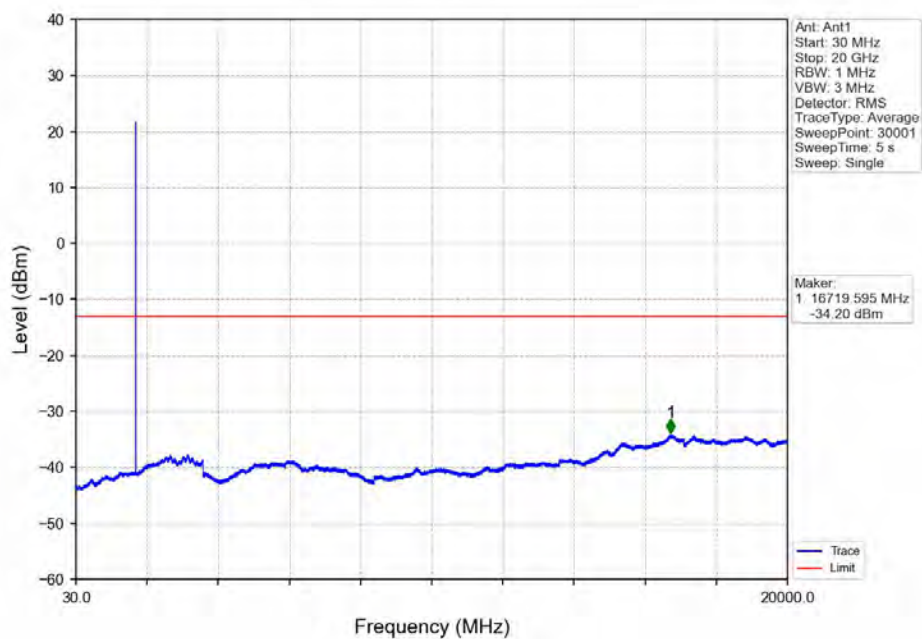
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



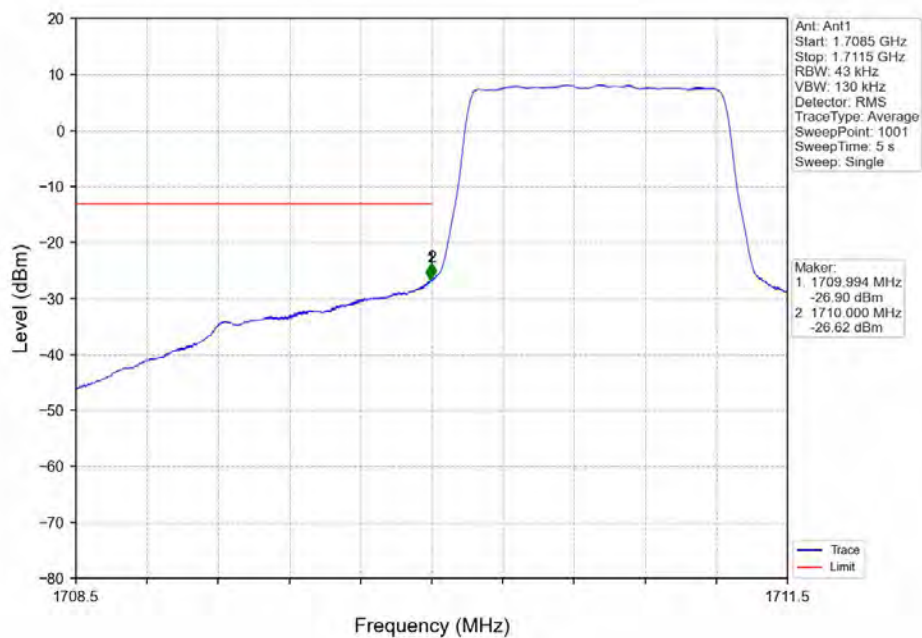
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



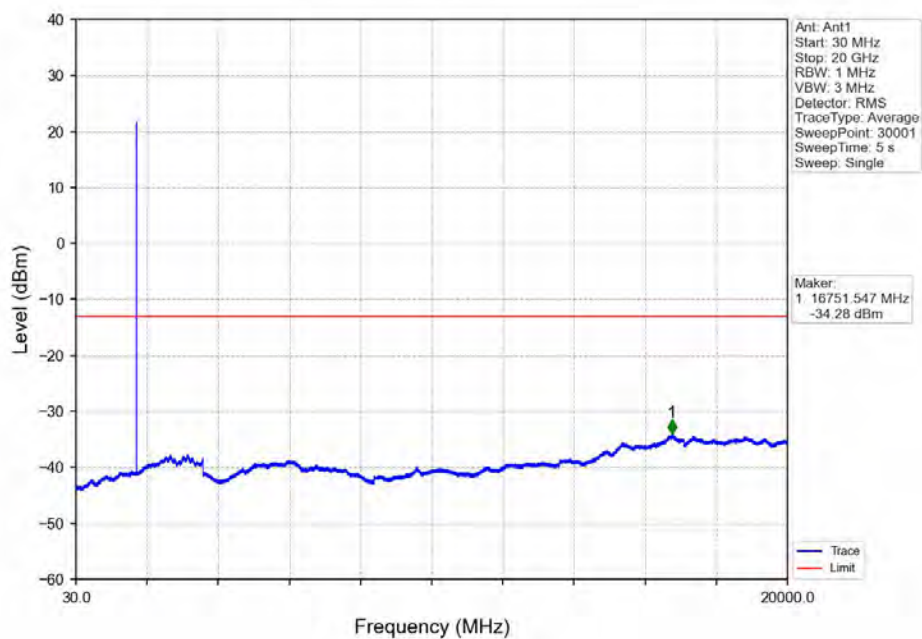
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



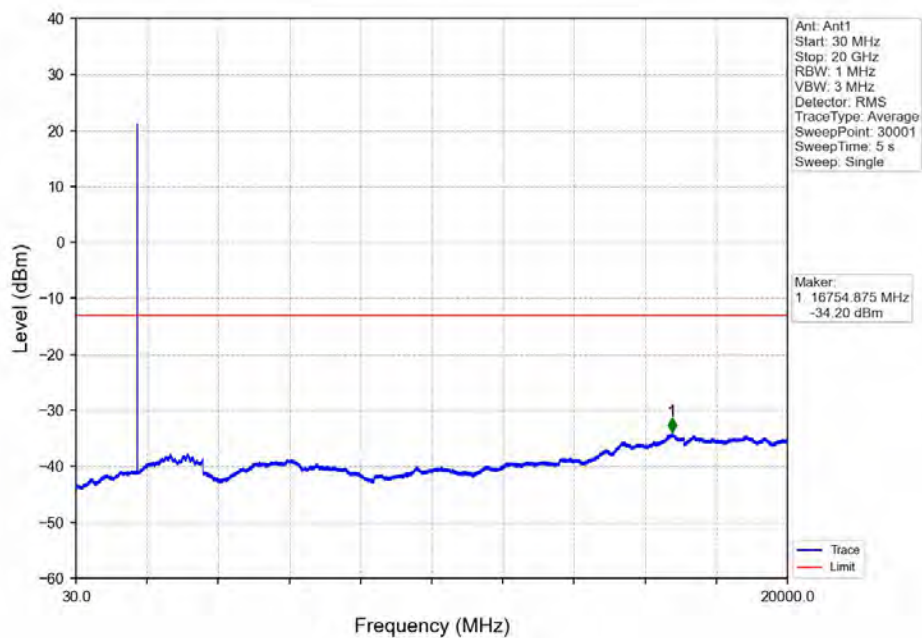
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



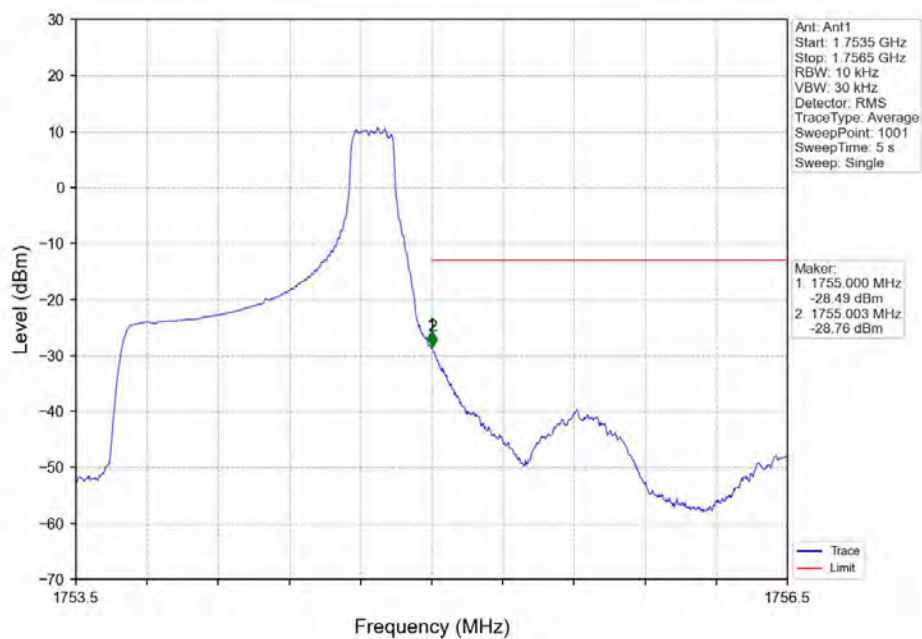
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



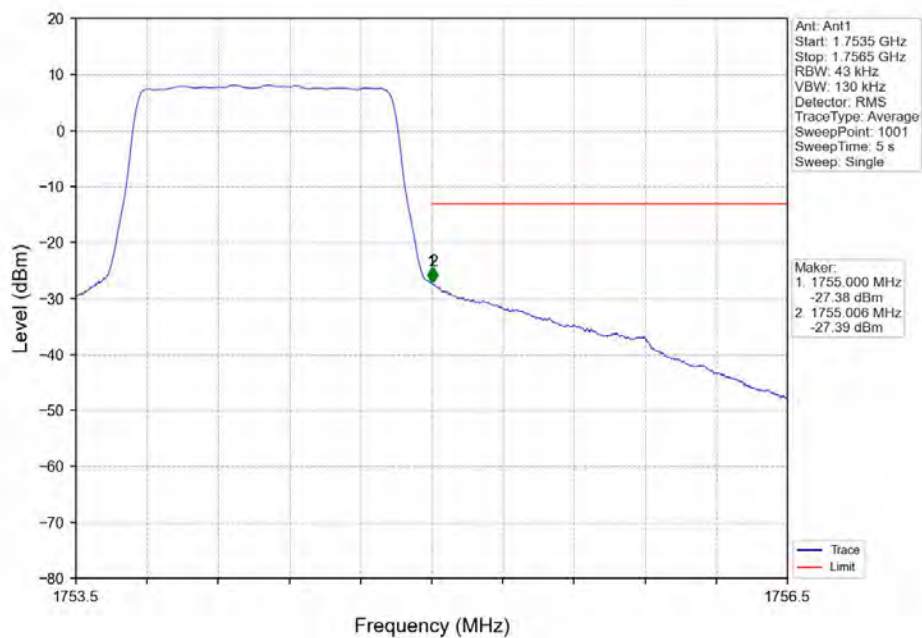
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



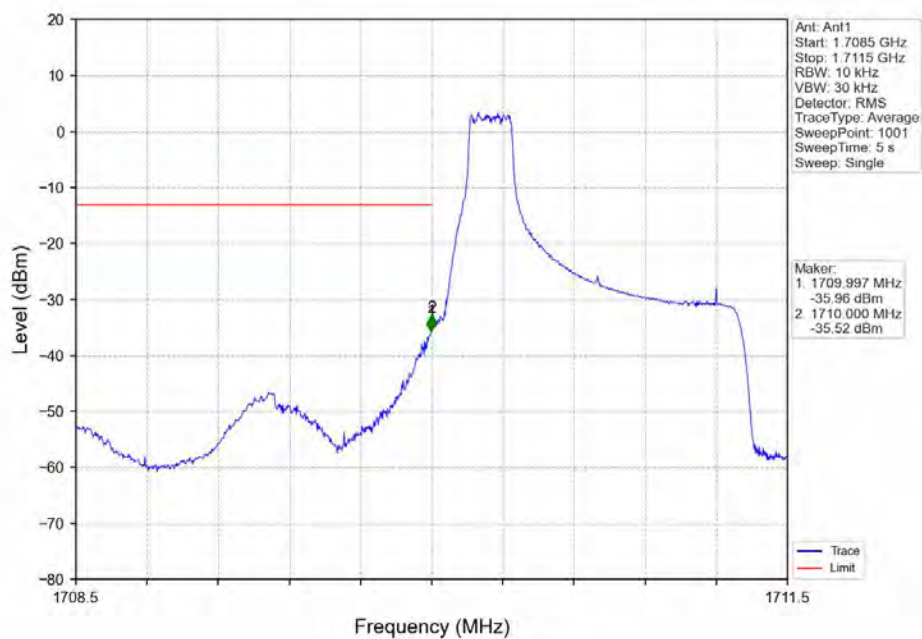
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1.5 NTNV



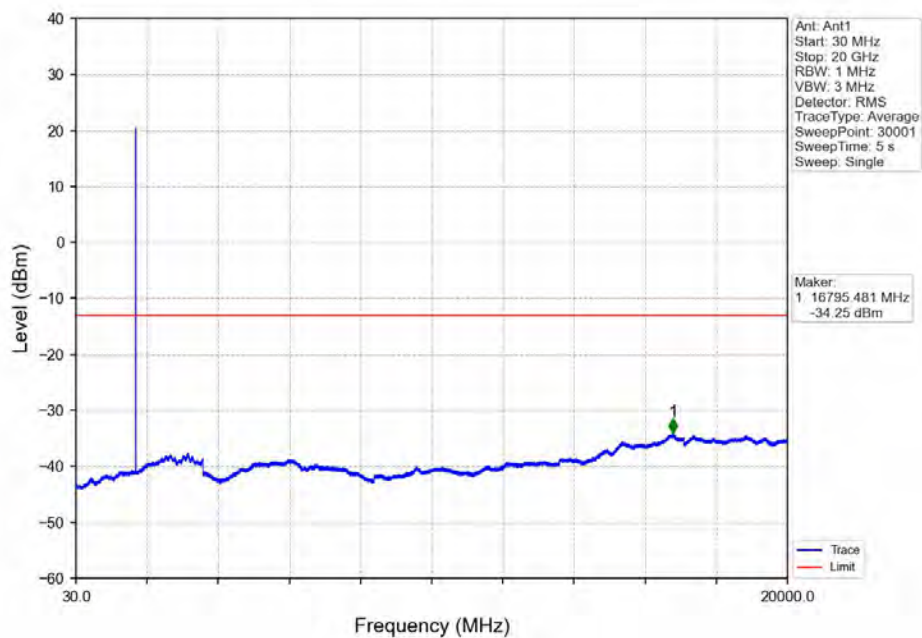
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6.0 NTNV



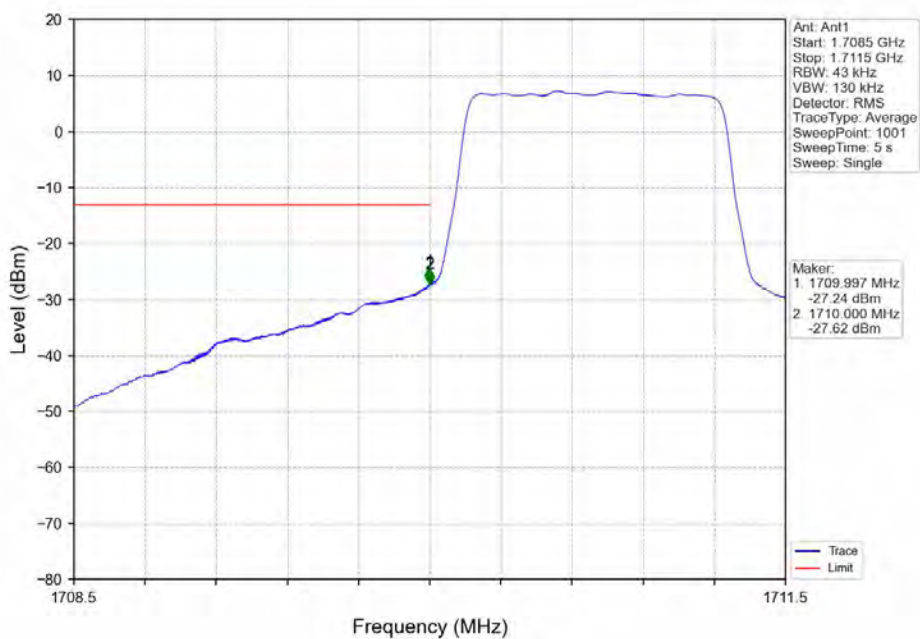
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV



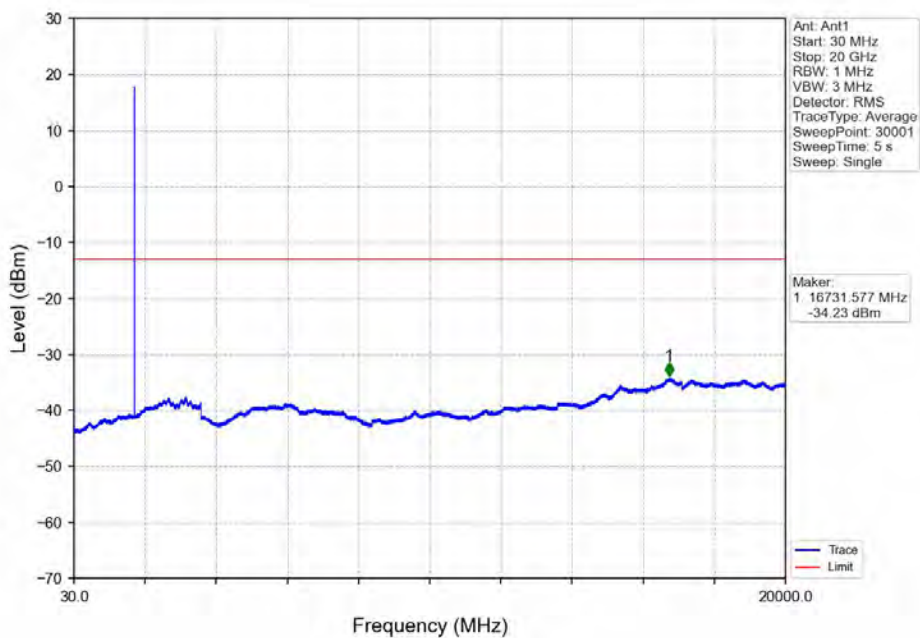
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV



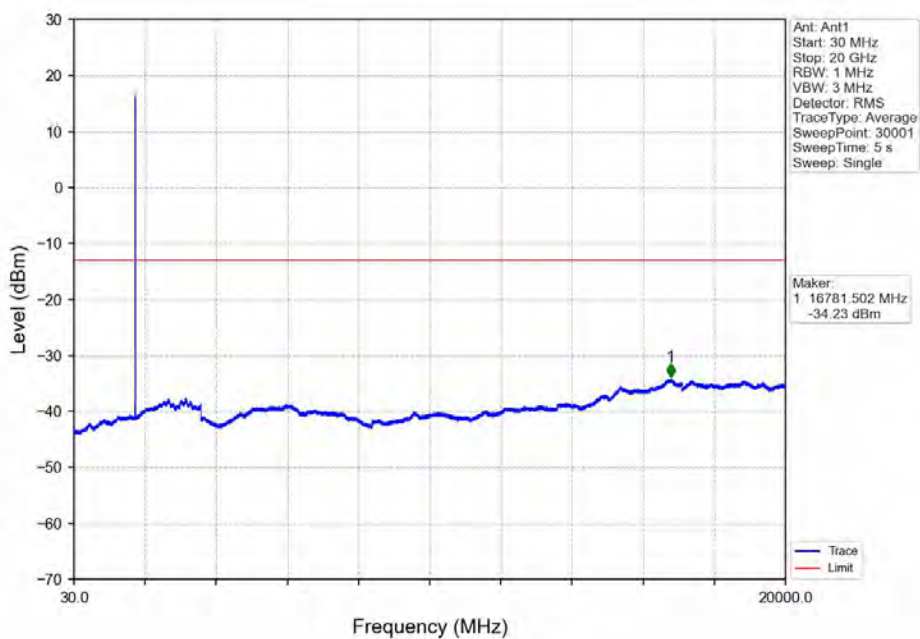
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



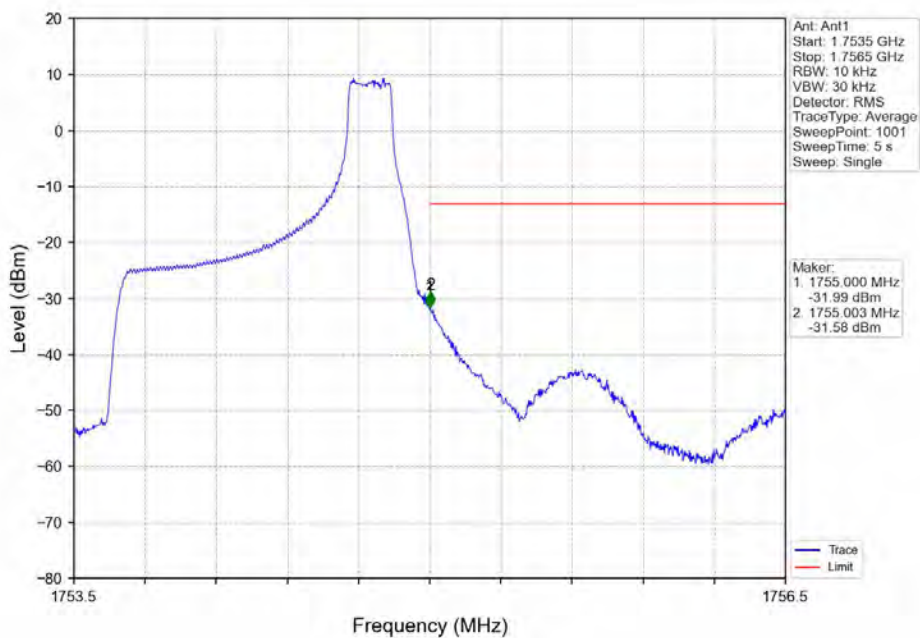
Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV

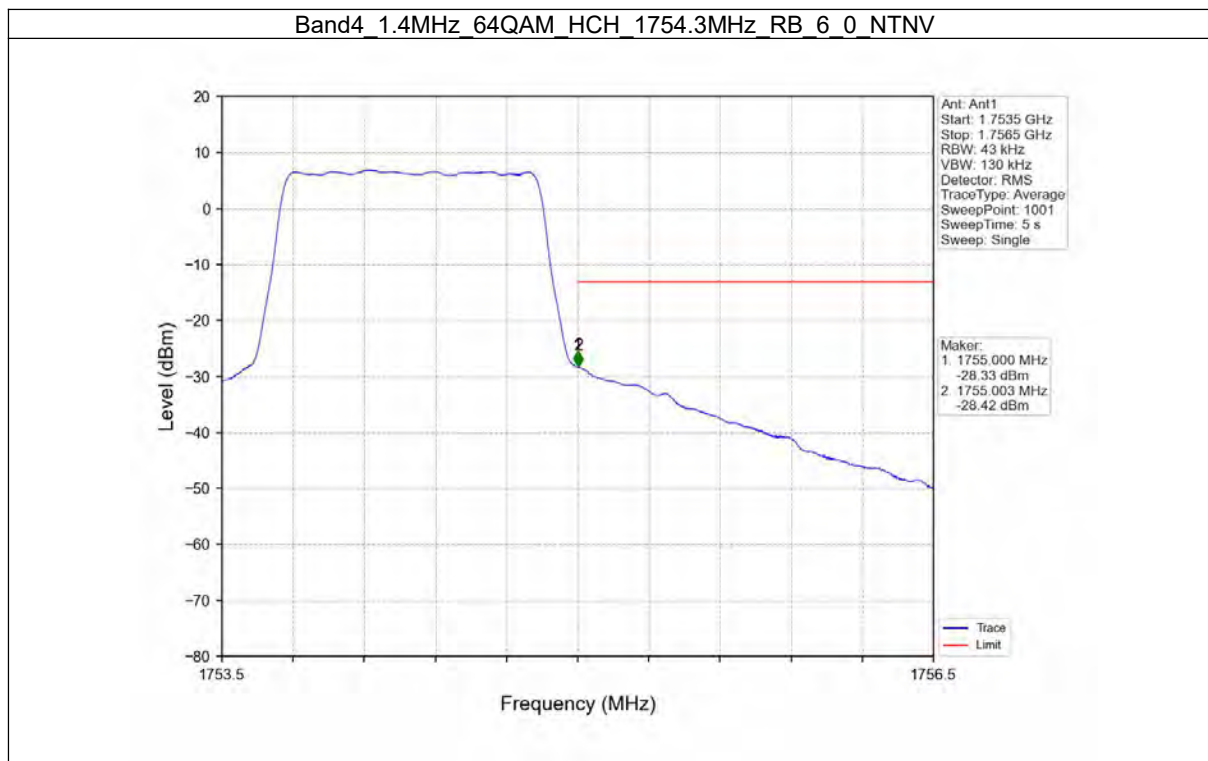


Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_1_5_NTNV

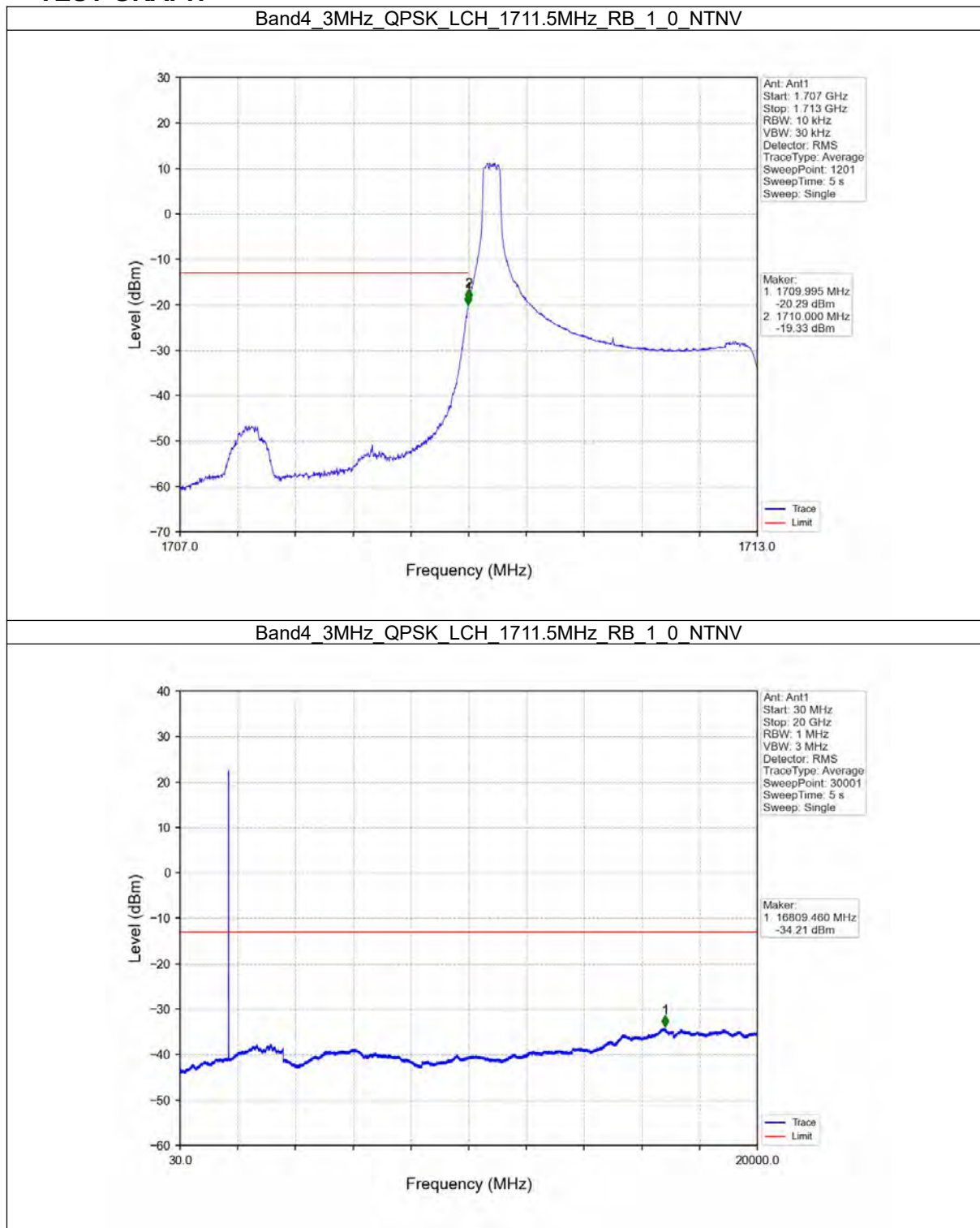




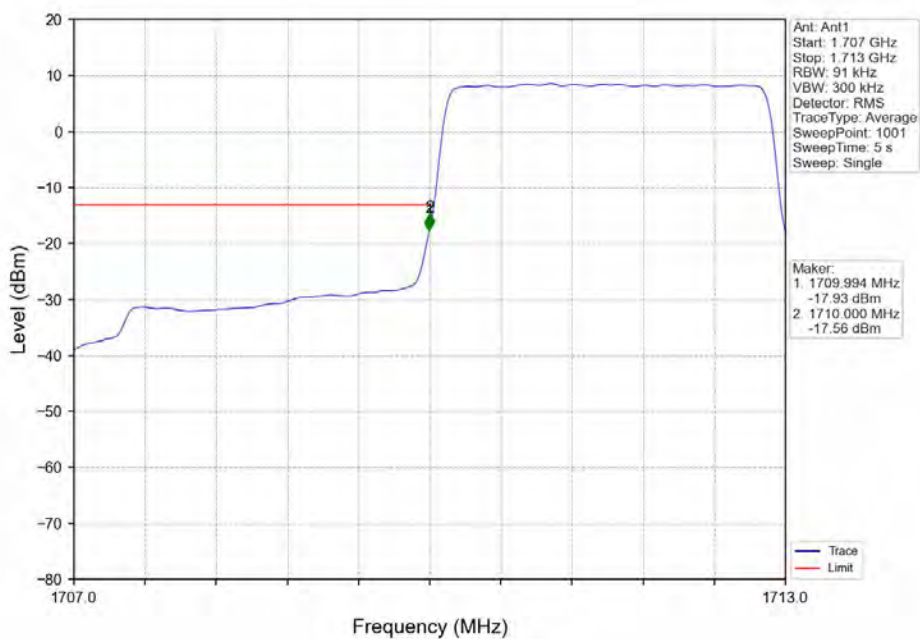
B4_3MHZ TEST RESULT

Band: 4 / Bandwidth: 3MHz / NTNV						
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	
			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	
			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	
			14	Refer To Test Graph		Pass
	15		0	Refer To Test Graph		Pass

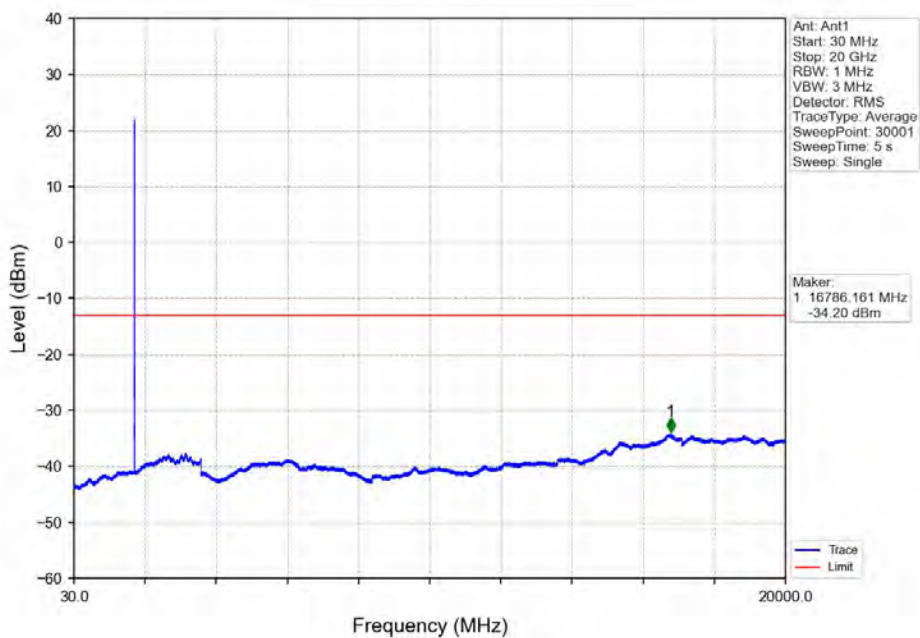
TEST GRAPH



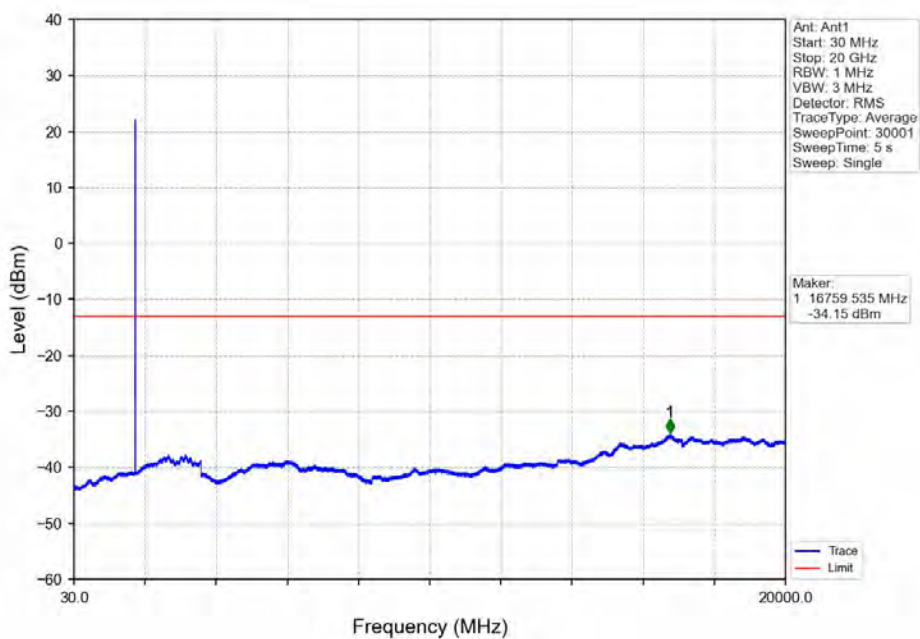
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



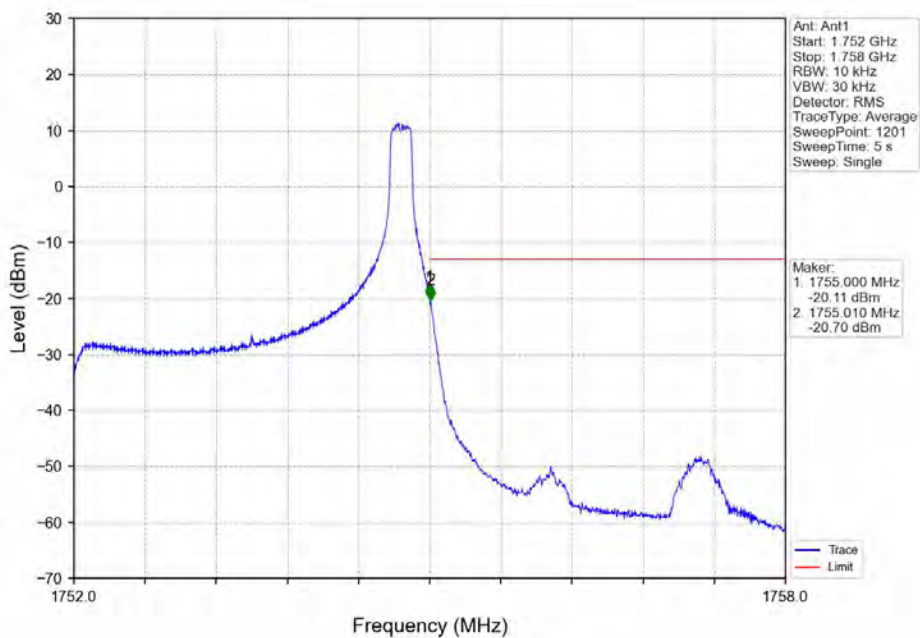
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

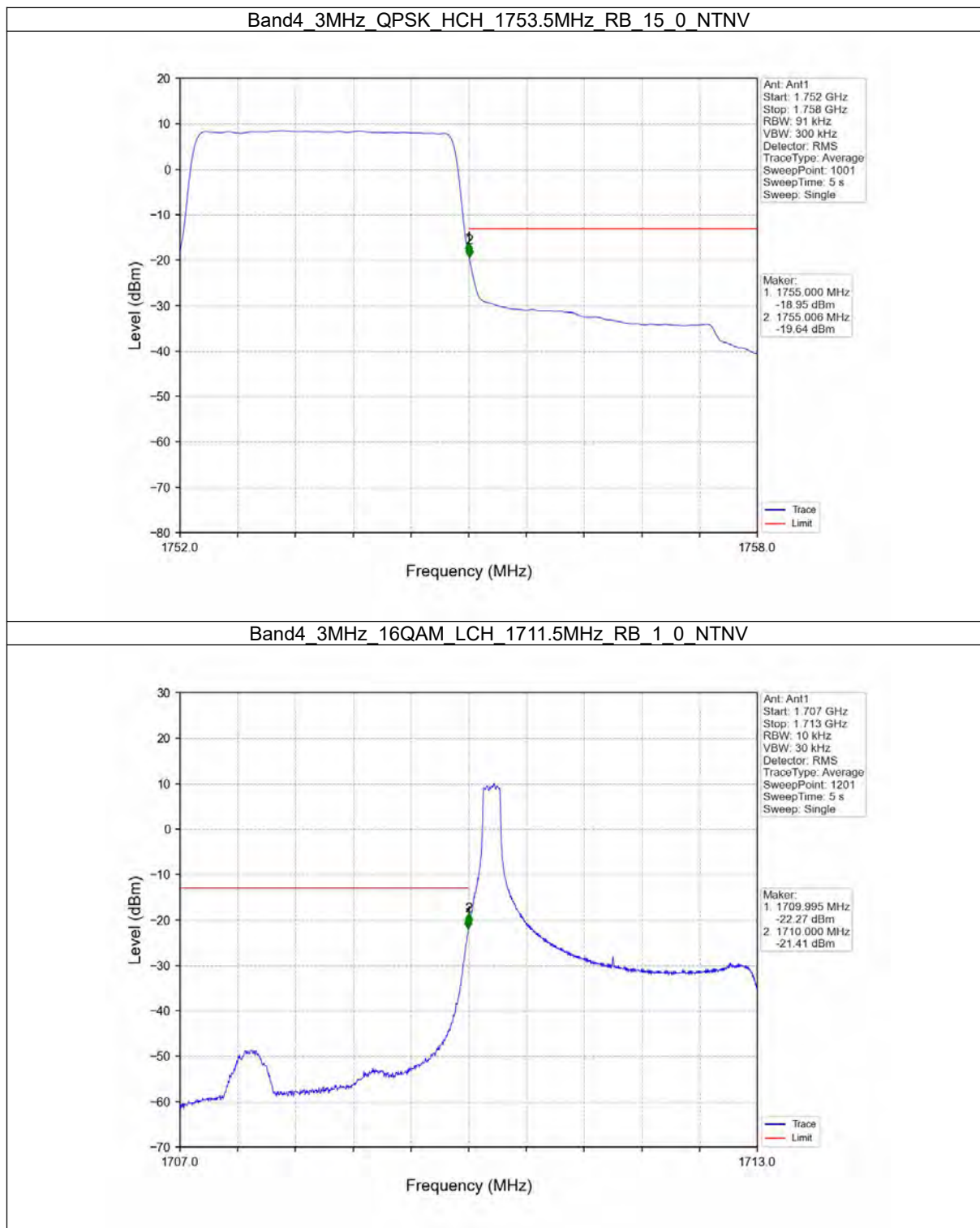


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

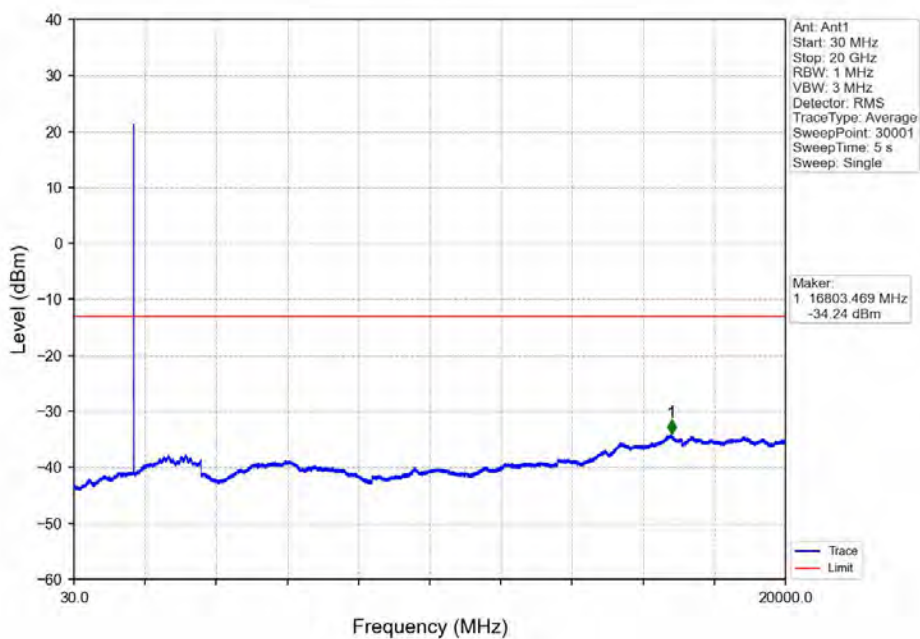


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV

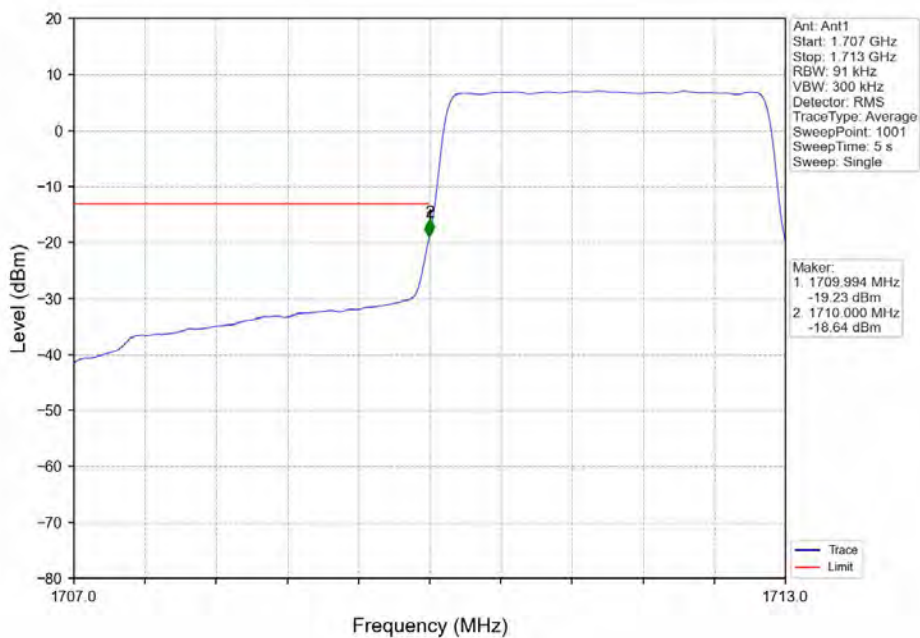




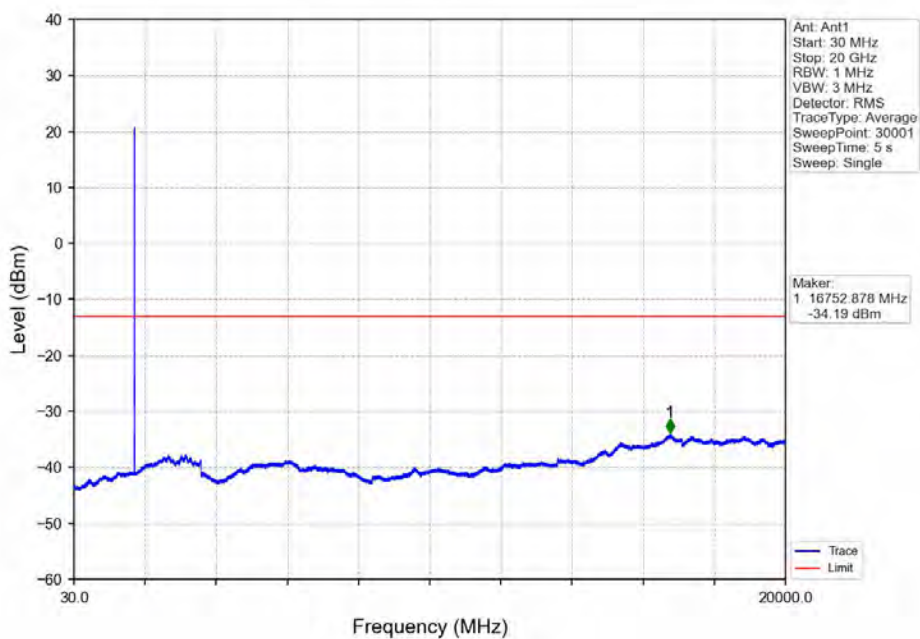
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



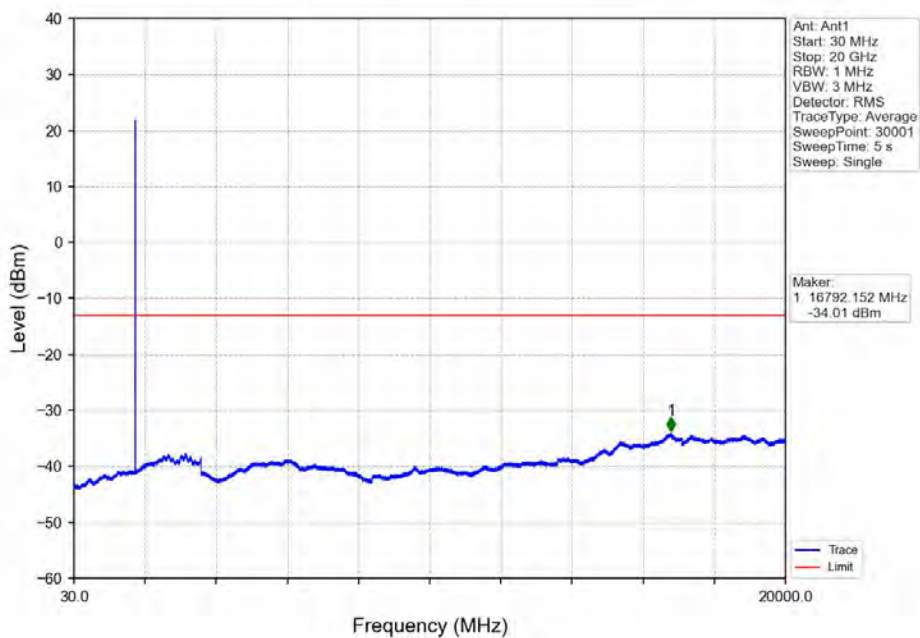
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



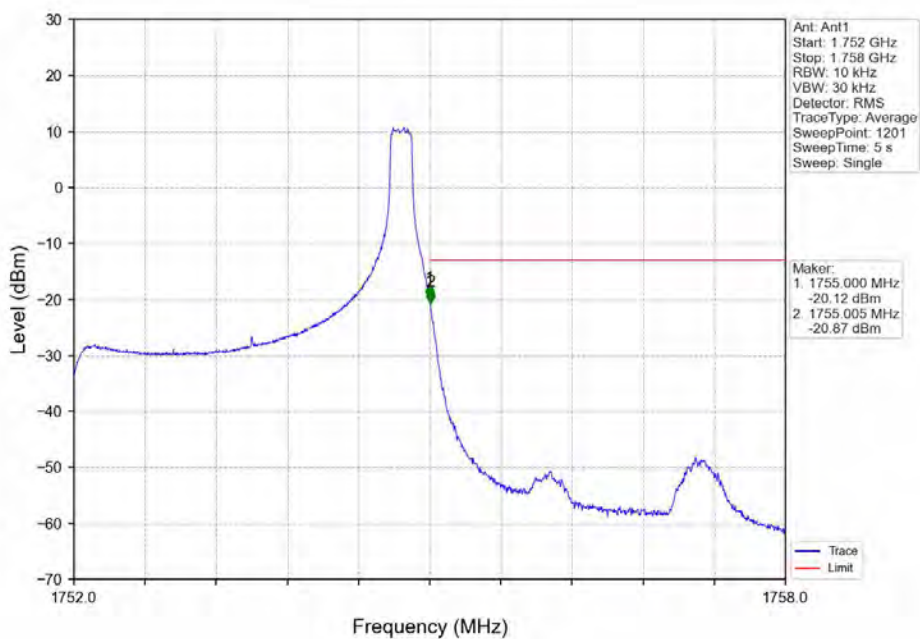
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



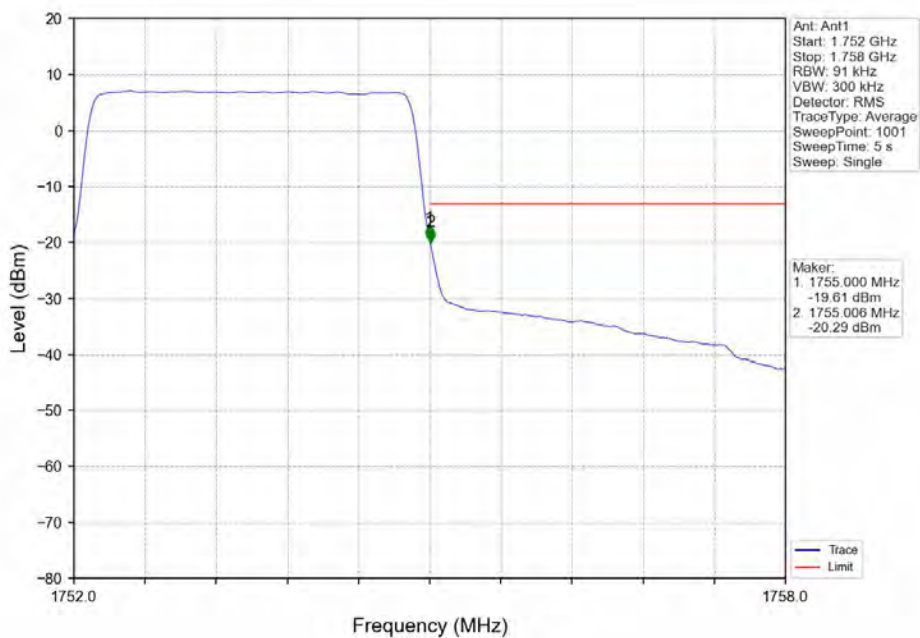
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



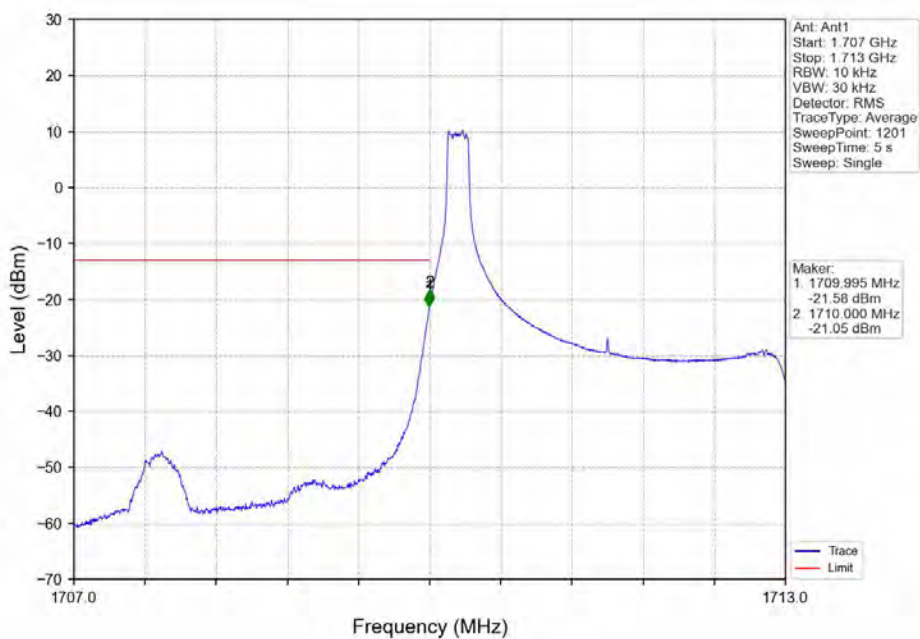
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTNV



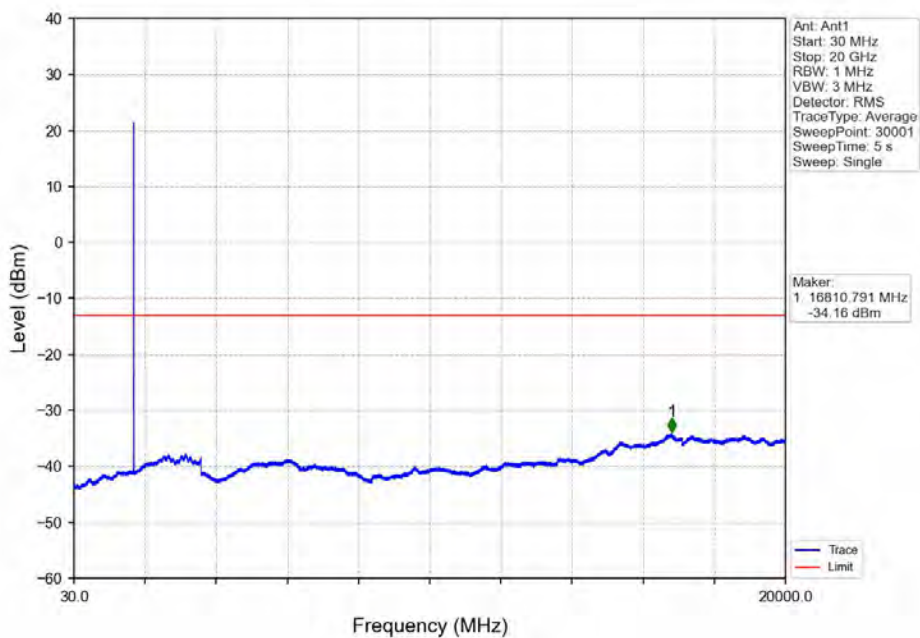
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



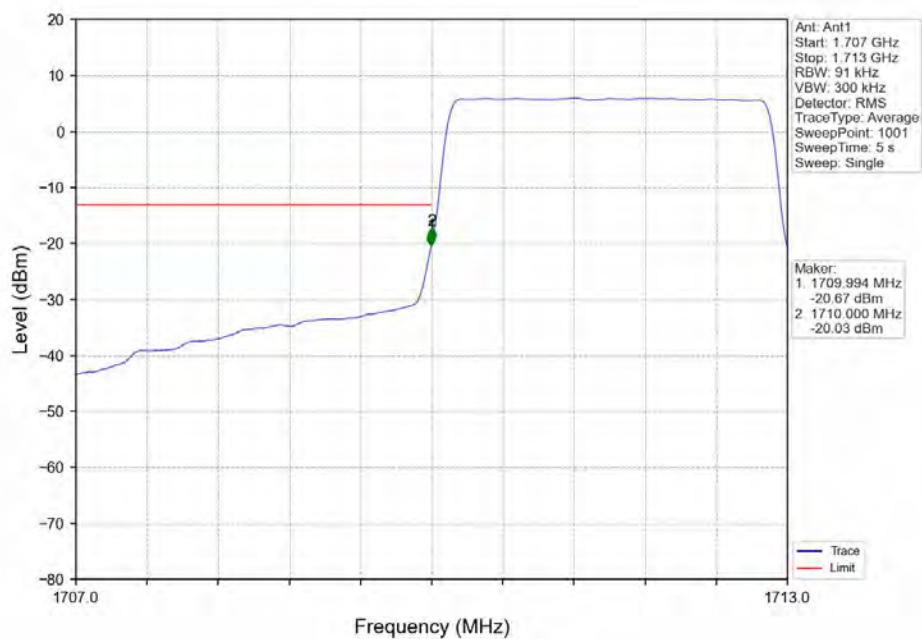
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV



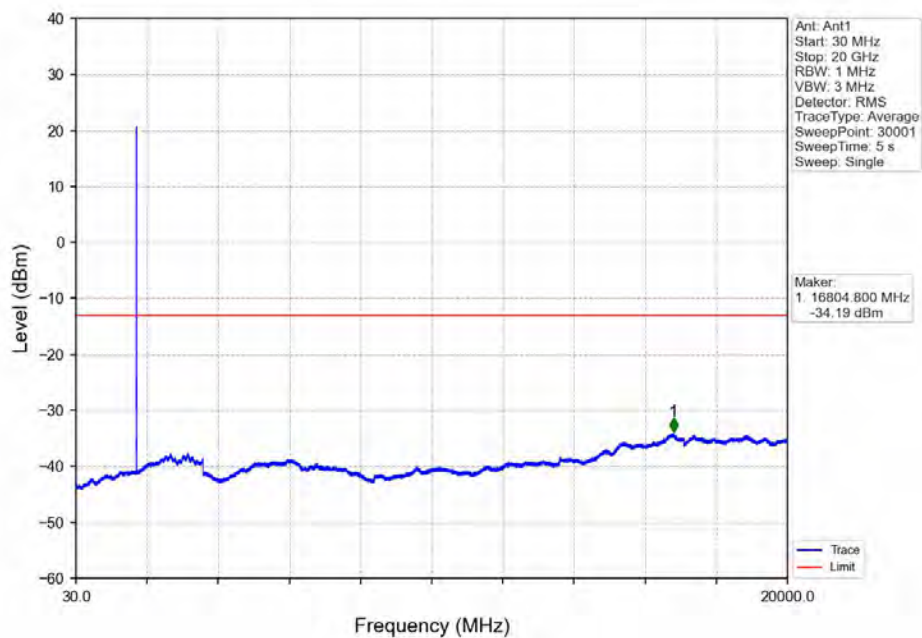
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV



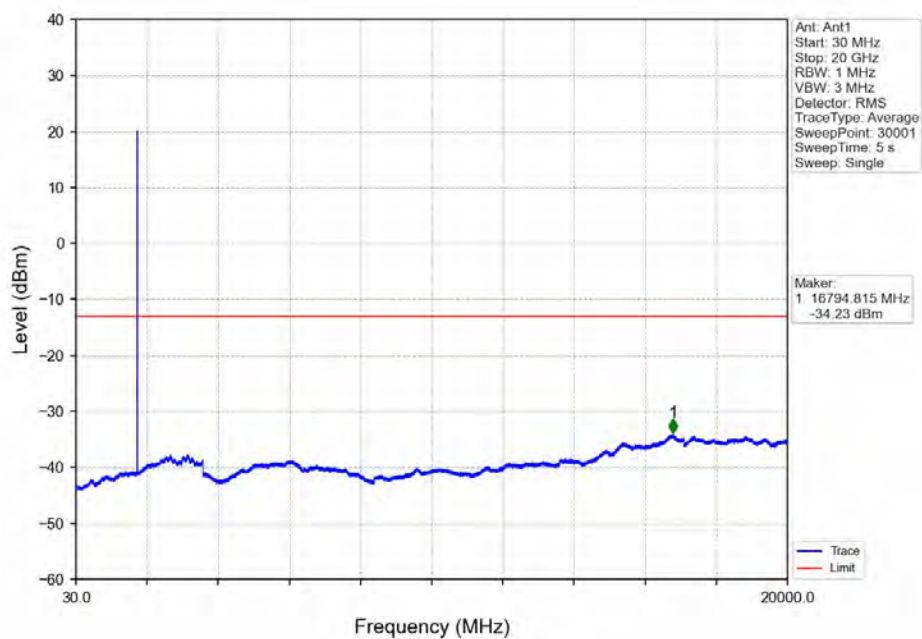
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



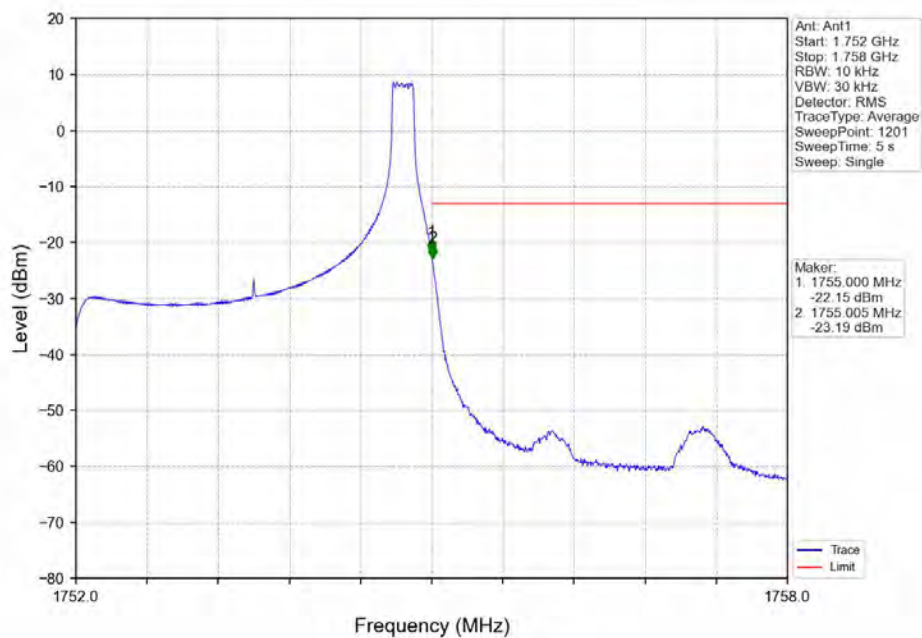
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV

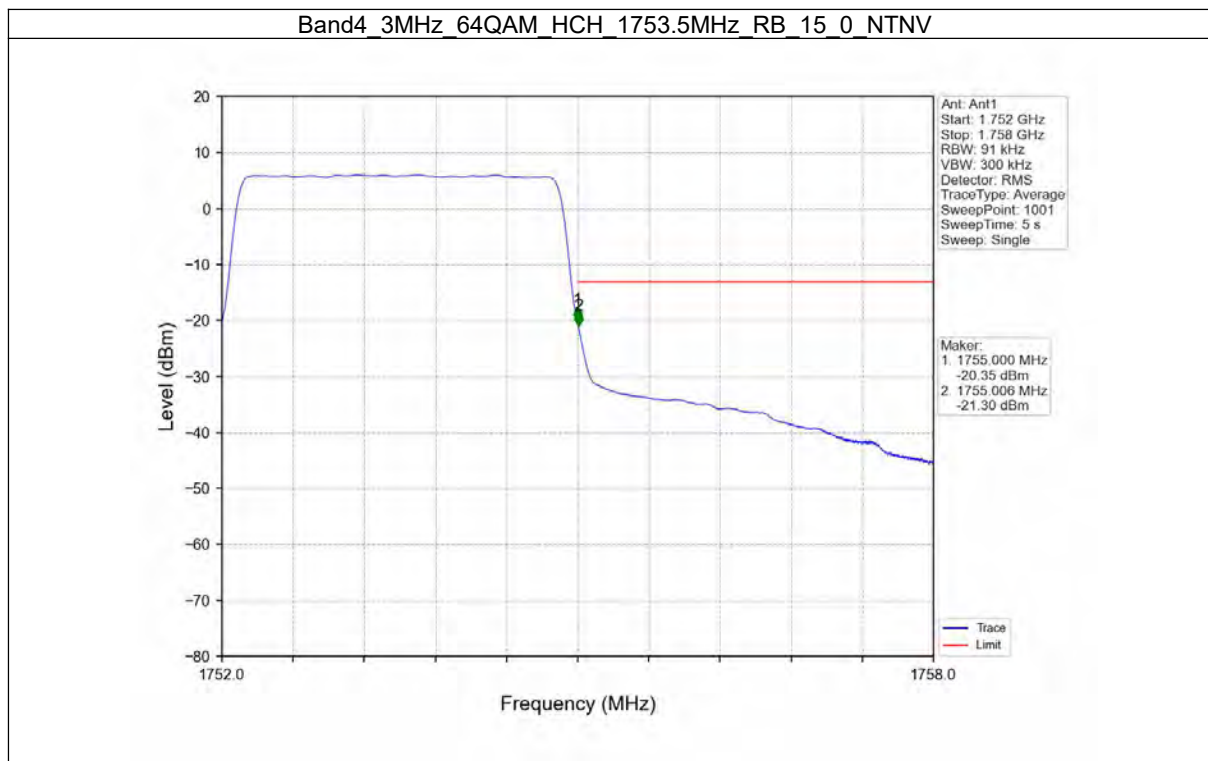


Band4_3MHz_64QAM_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_64QAM_HCH_1753.5MHz_RB_1_14_NTNV

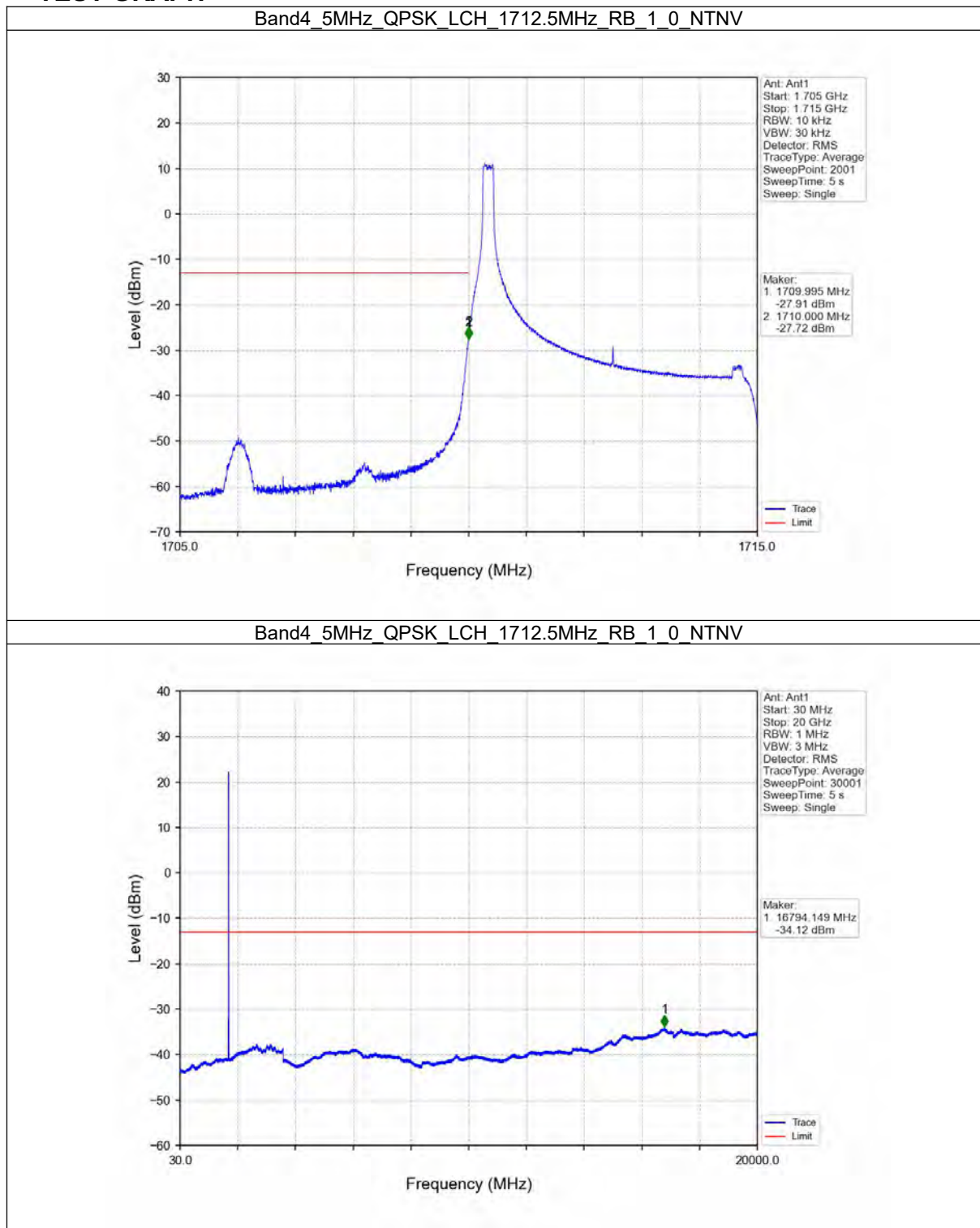




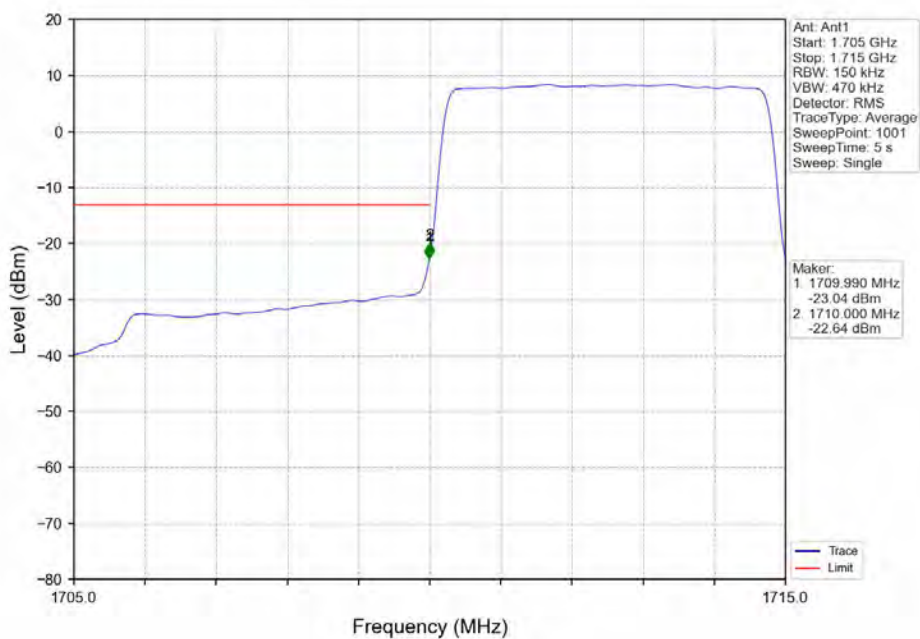
B4_5MHZ TEST RESULT

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	
			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	
			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	
			24	Refer To Test Graph		Pass
	25		0	Refer To Test Graph		Pass

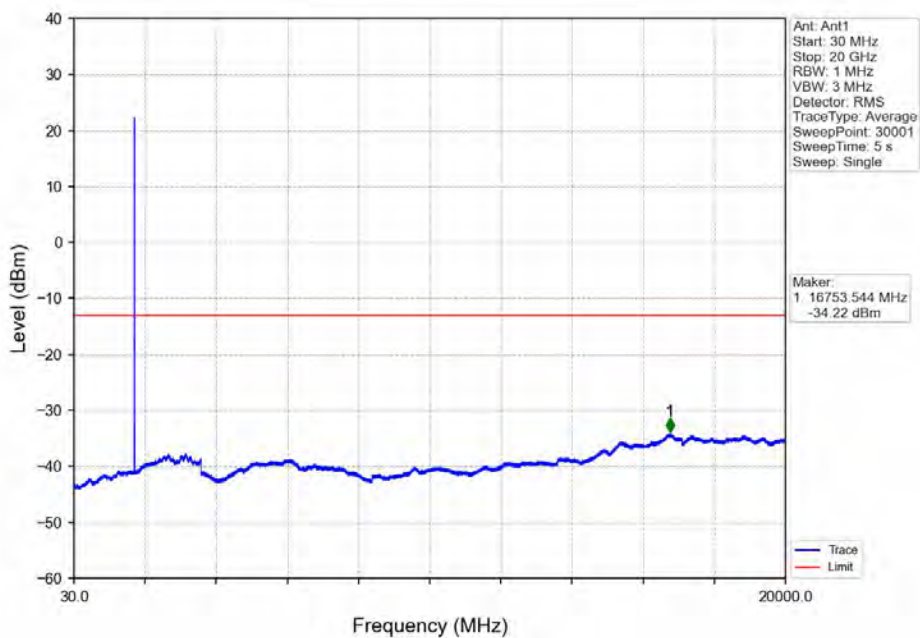
TEST GRAPH



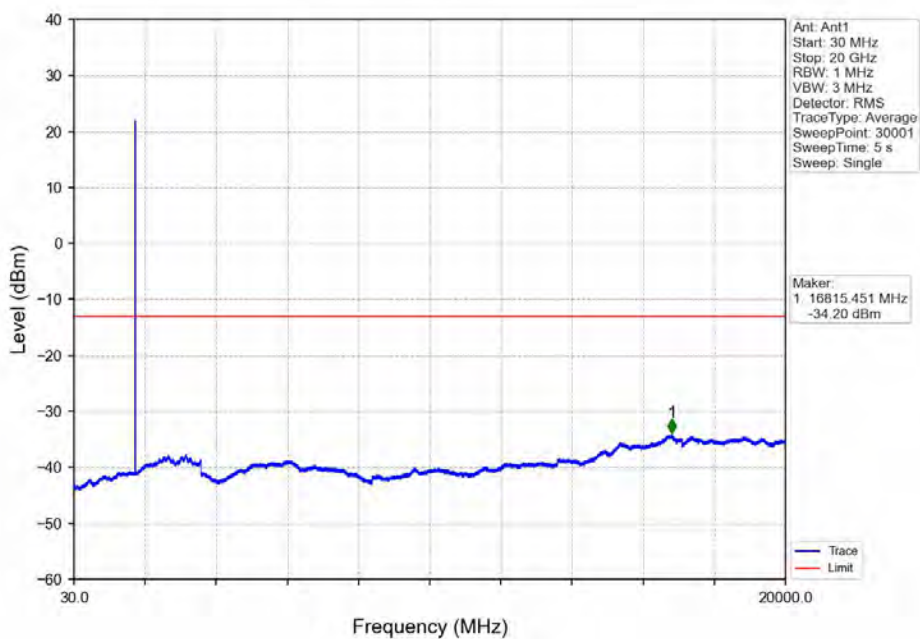
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



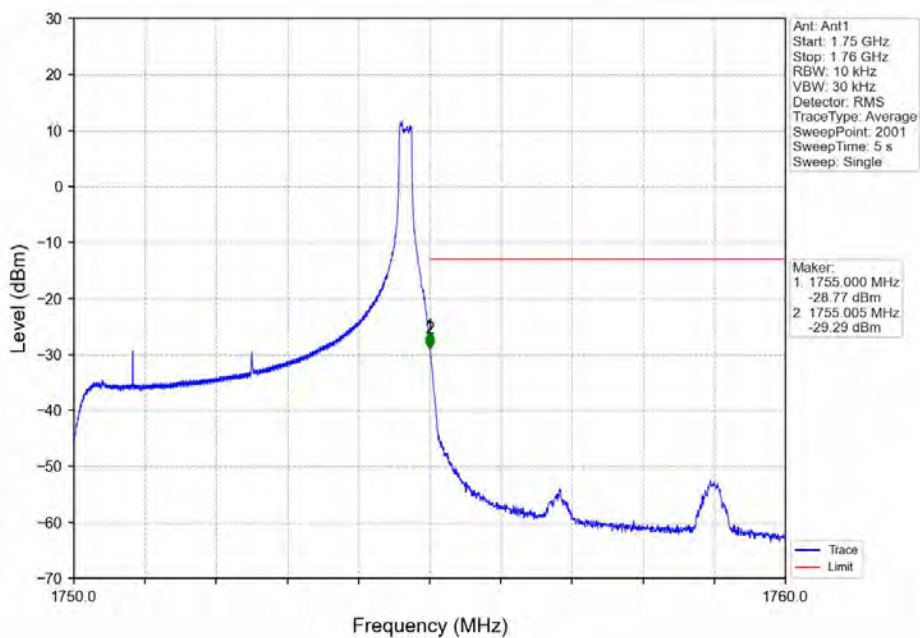
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



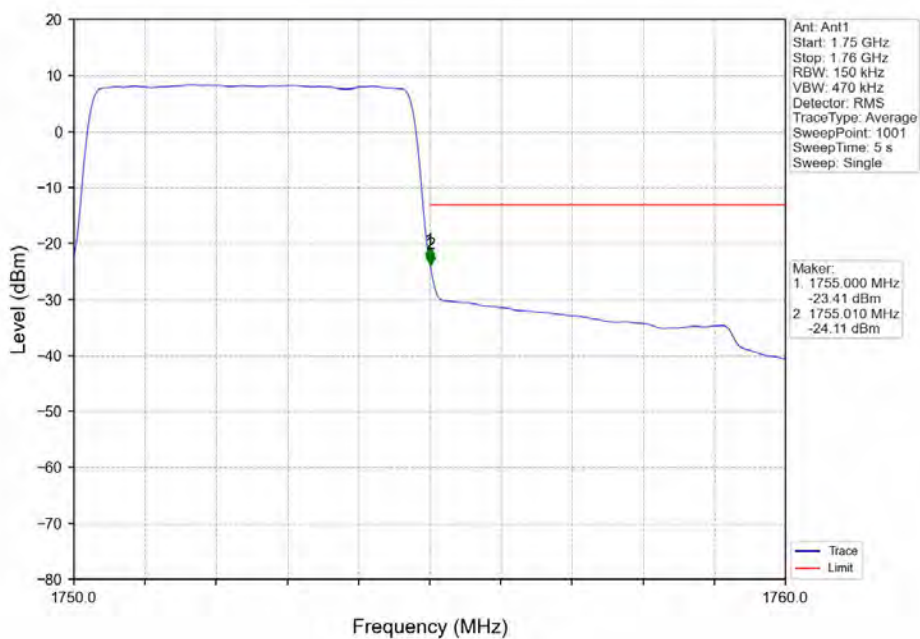
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



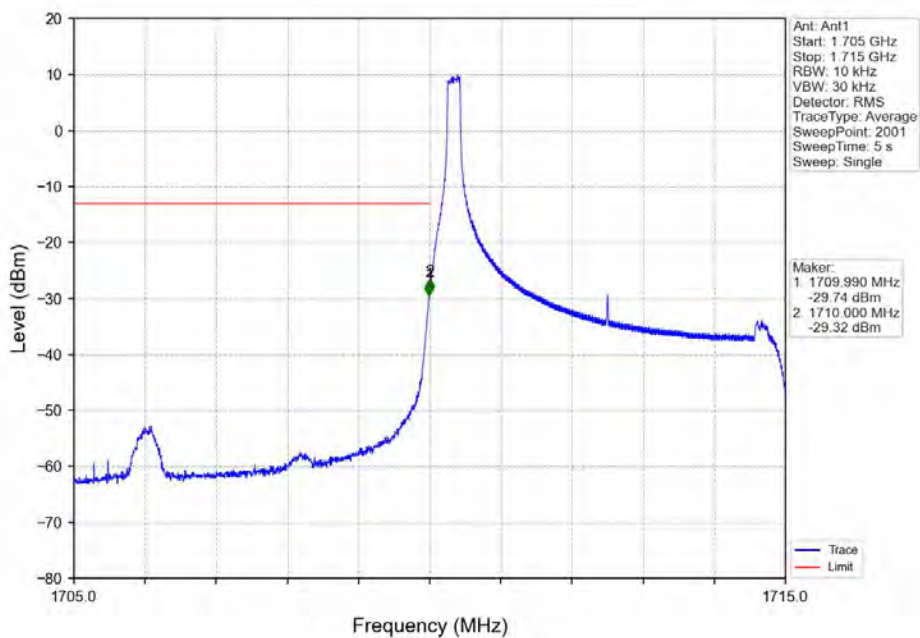
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



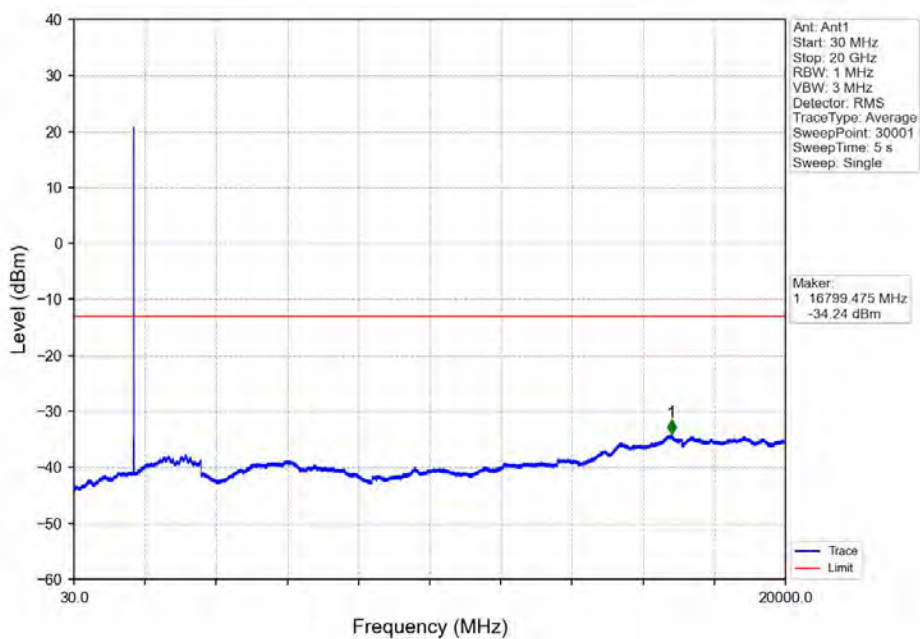
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



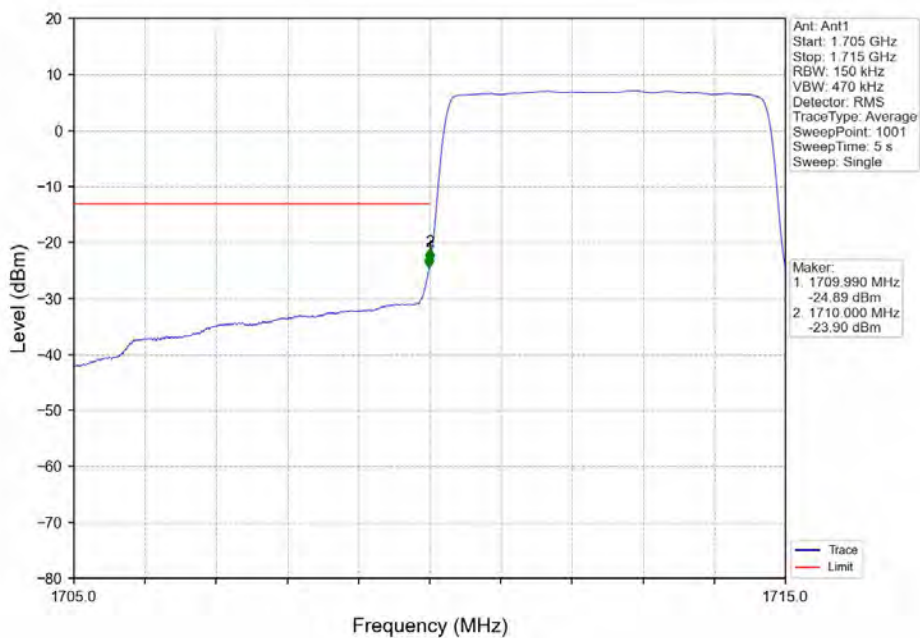
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



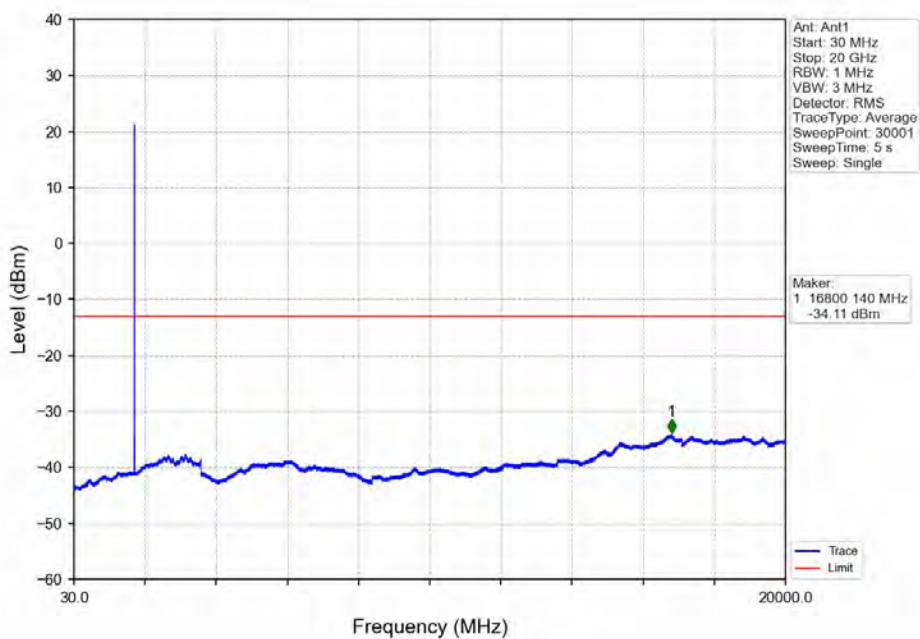
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



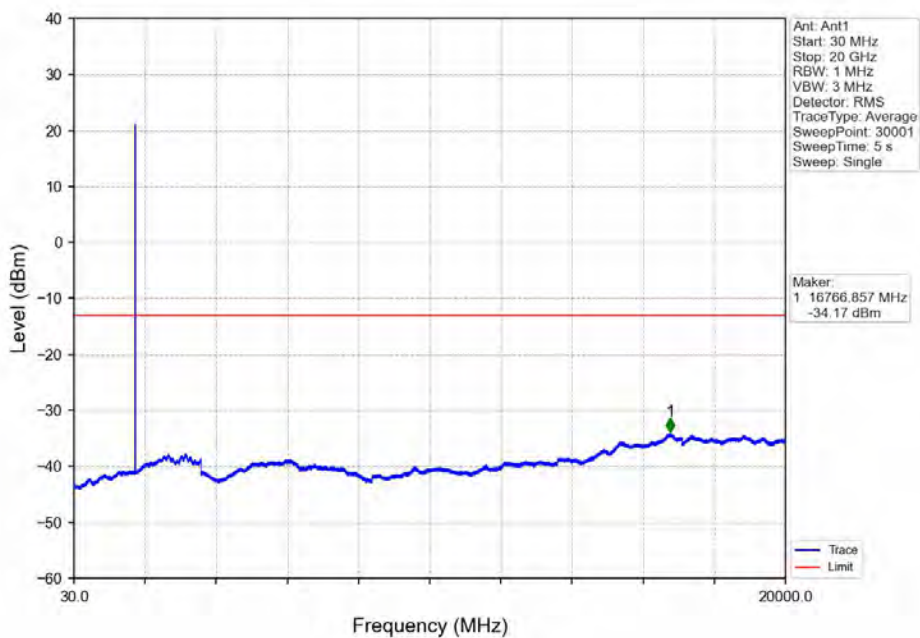
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



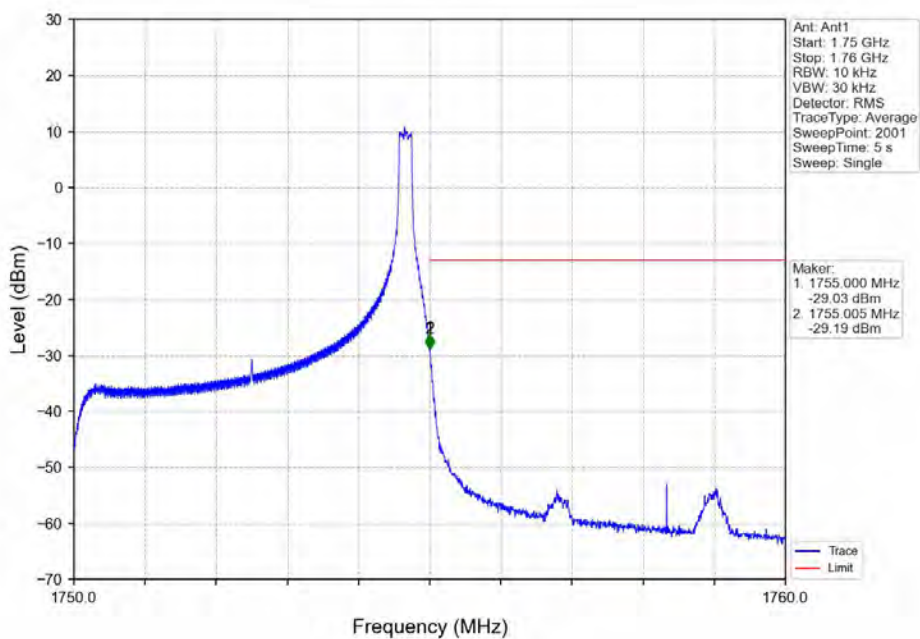
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



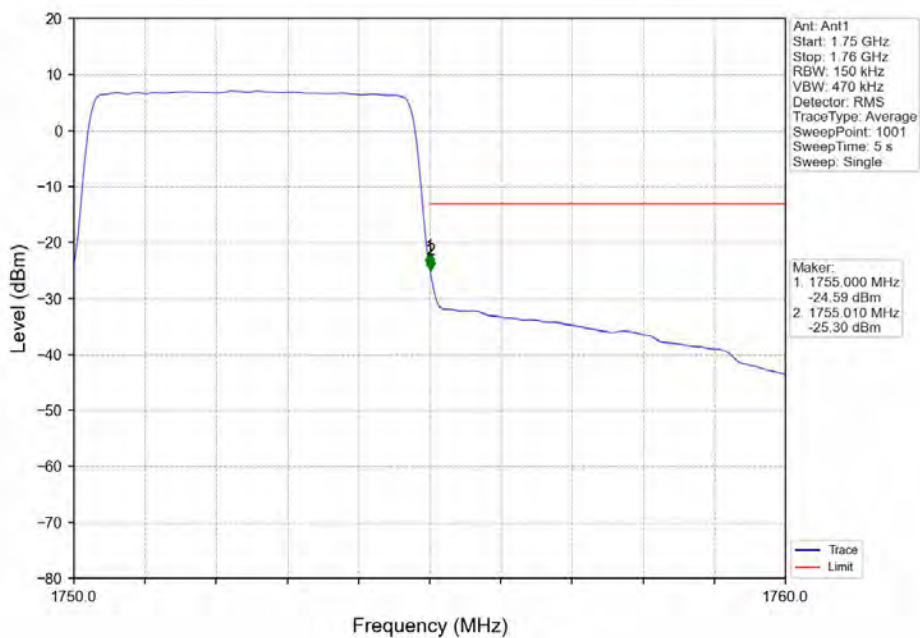
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV



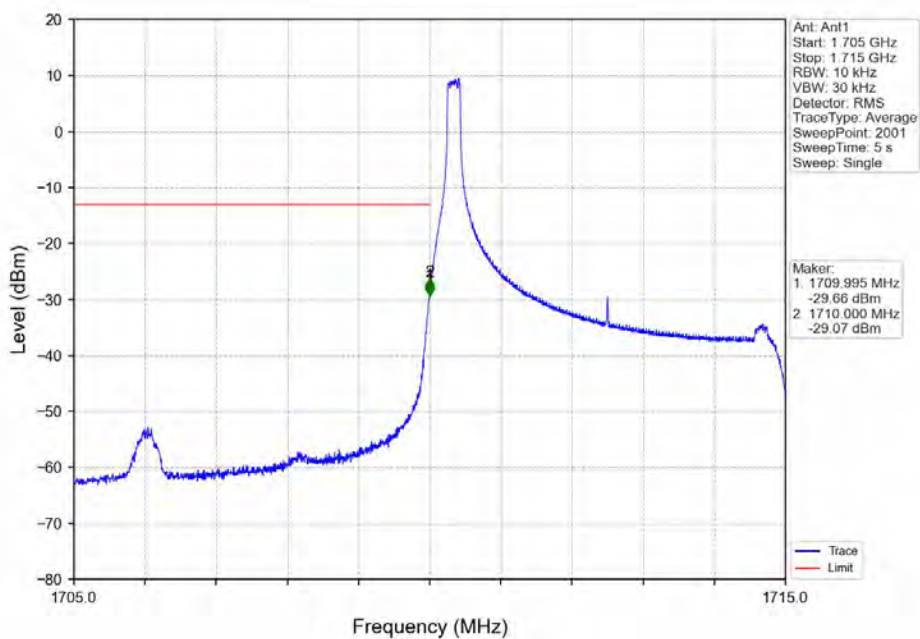
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_24_NTNV



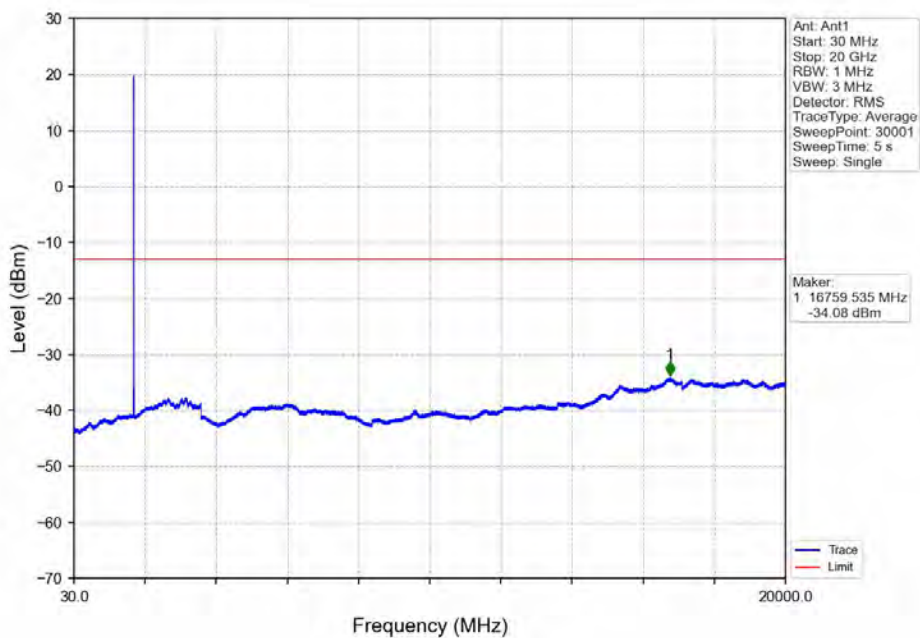
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



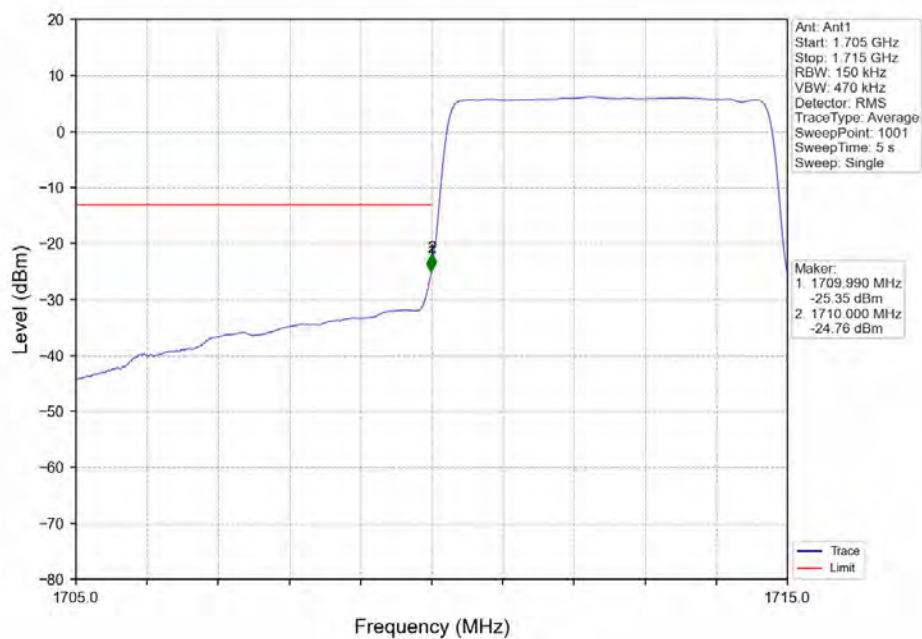
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV



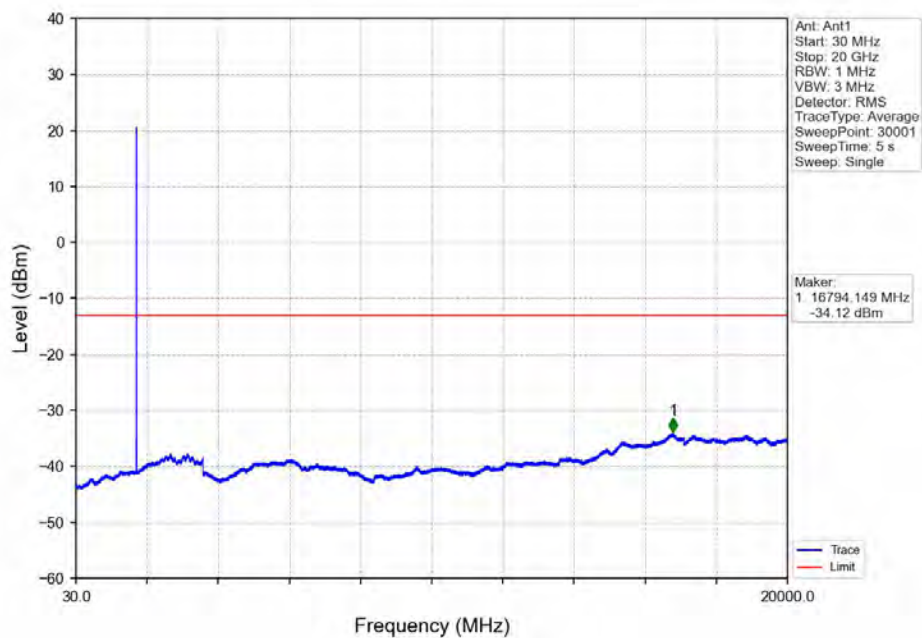
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV

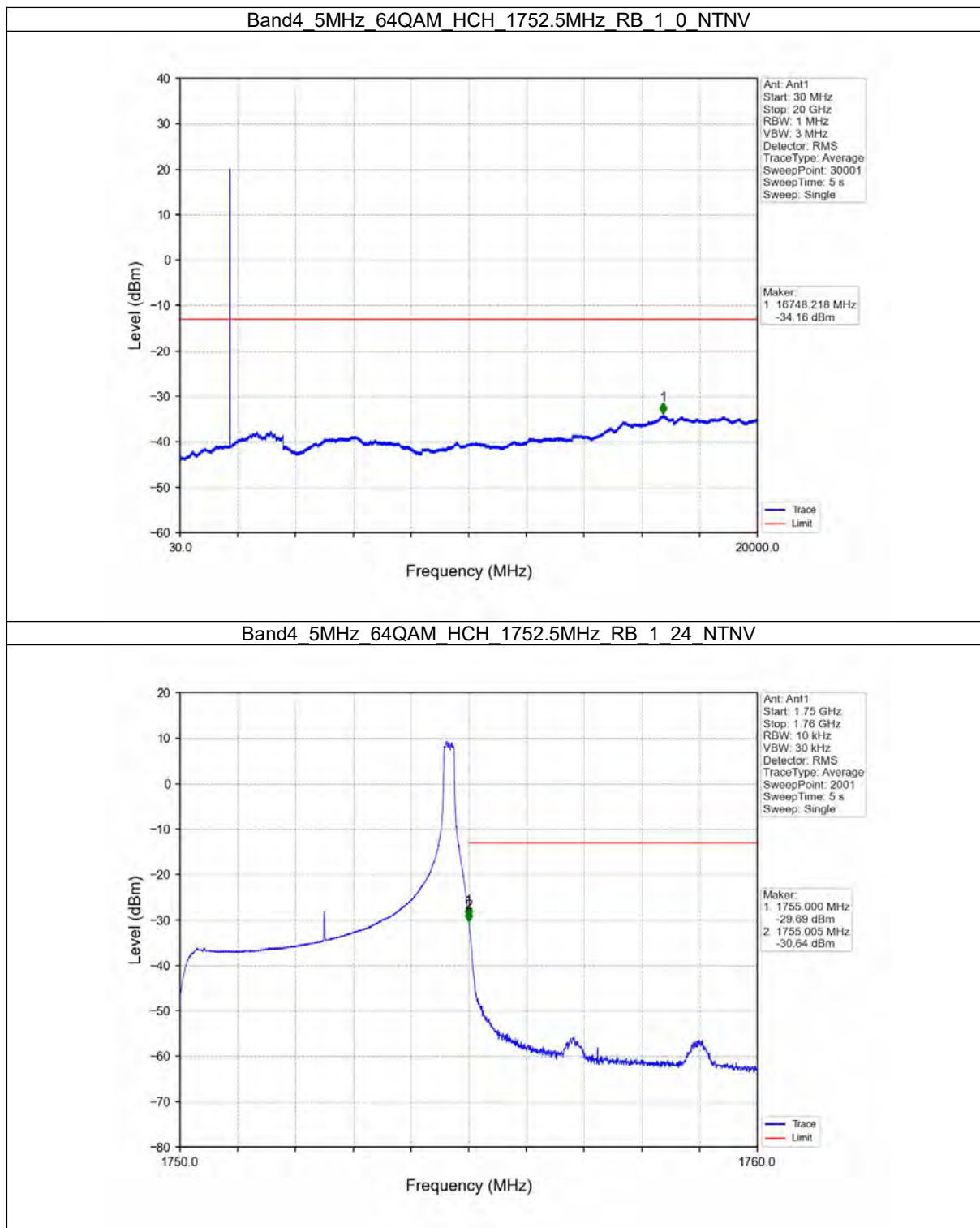


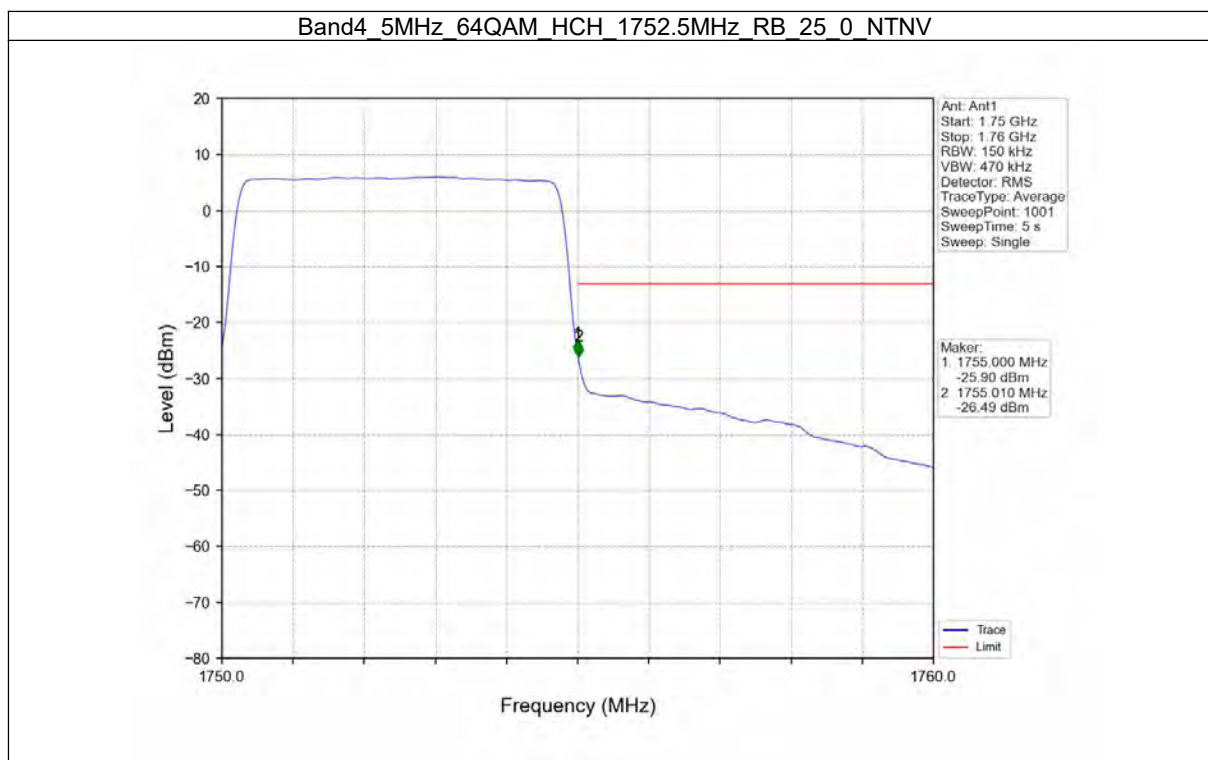
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



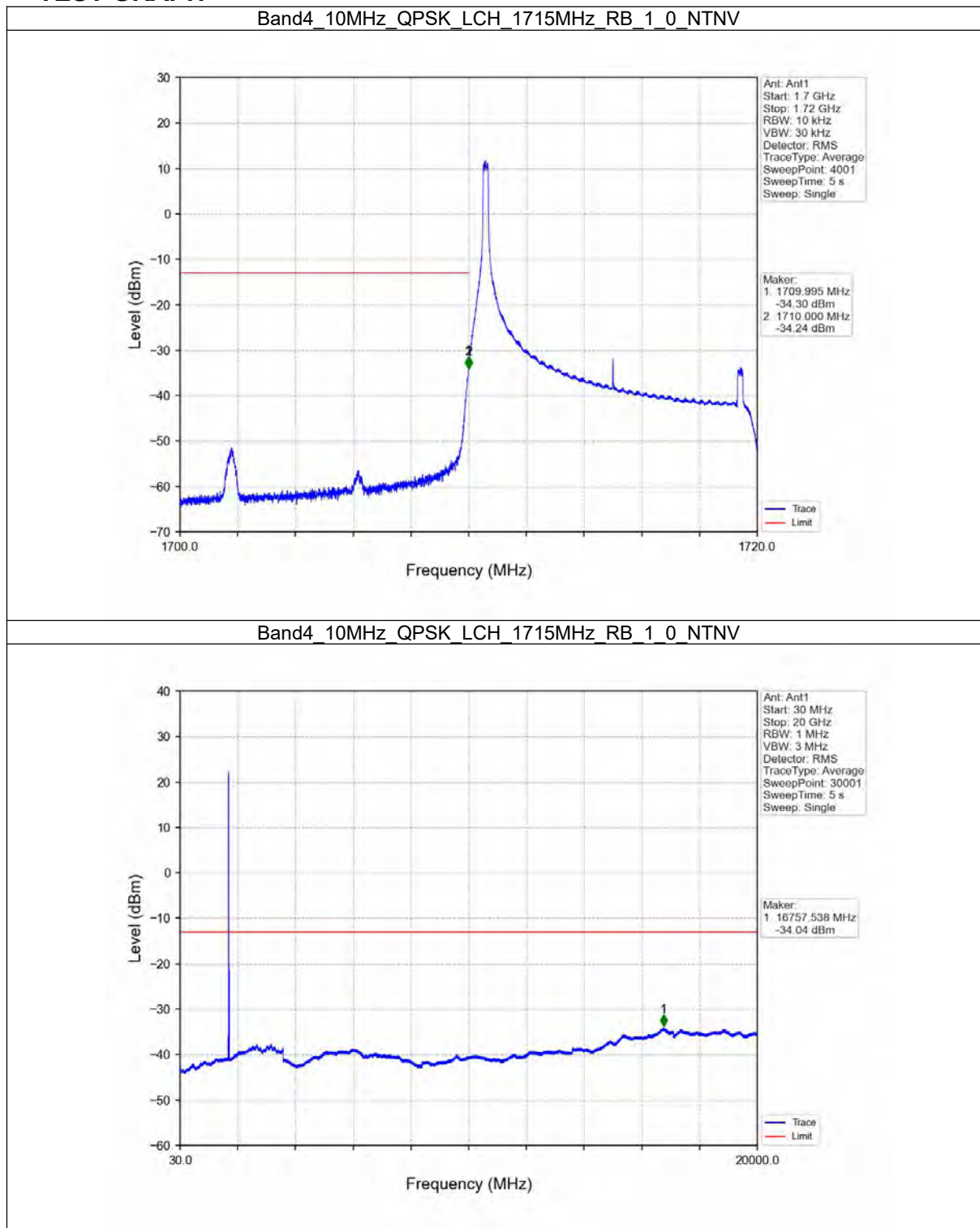




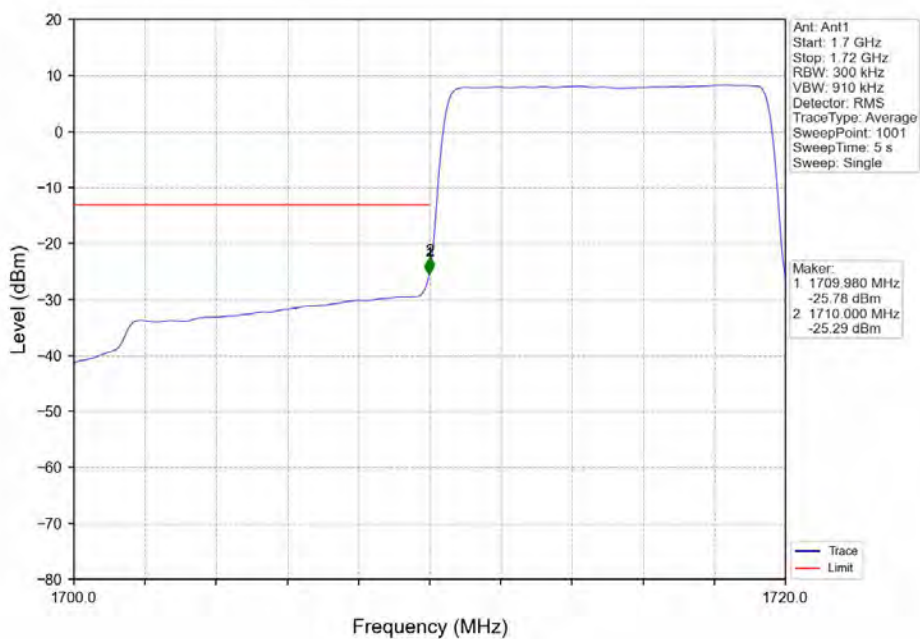
B4_10MHZ TEST RESULT

Band: 4 / Bandwidth: 10MHz / NTNV						
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

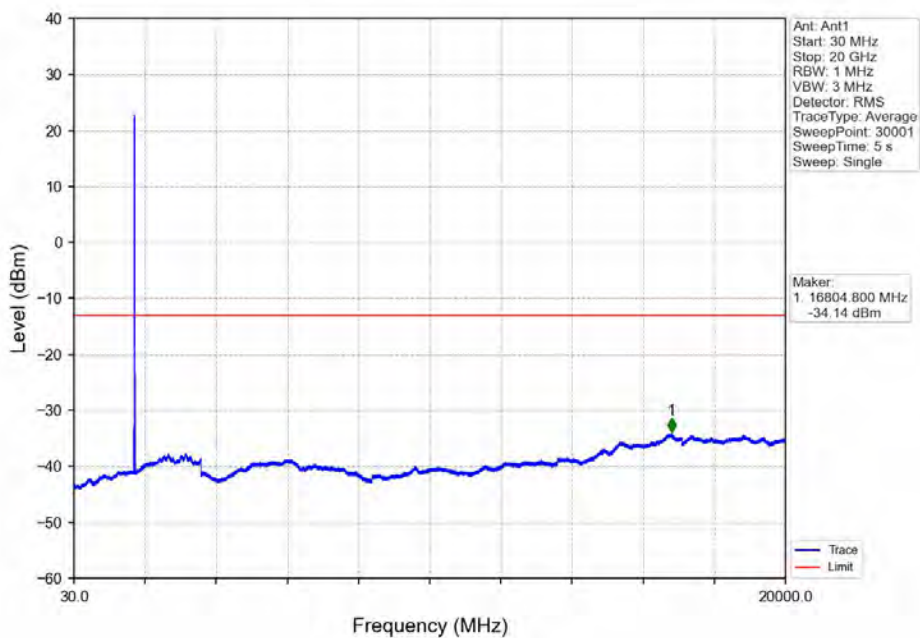
TEST GRAPH



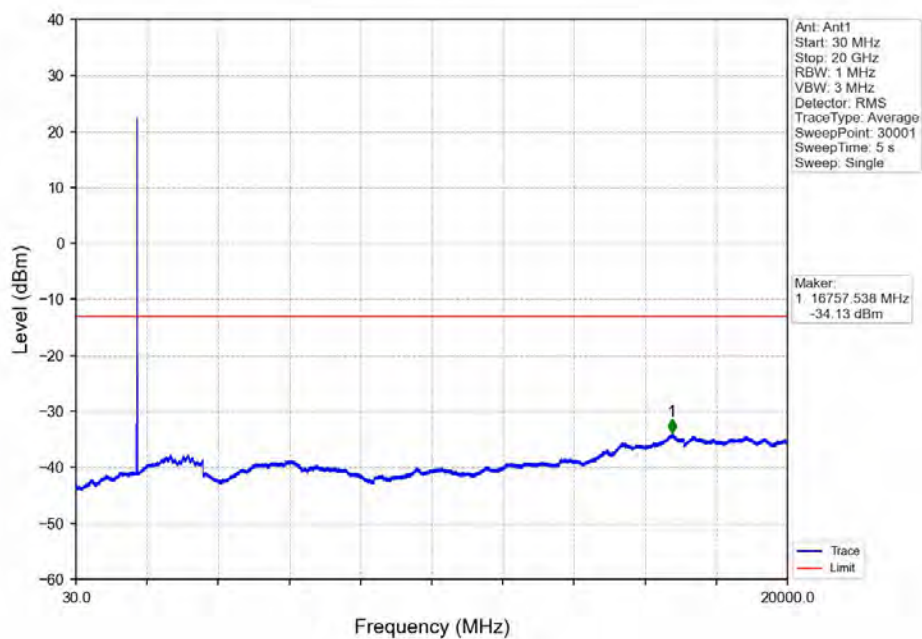
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



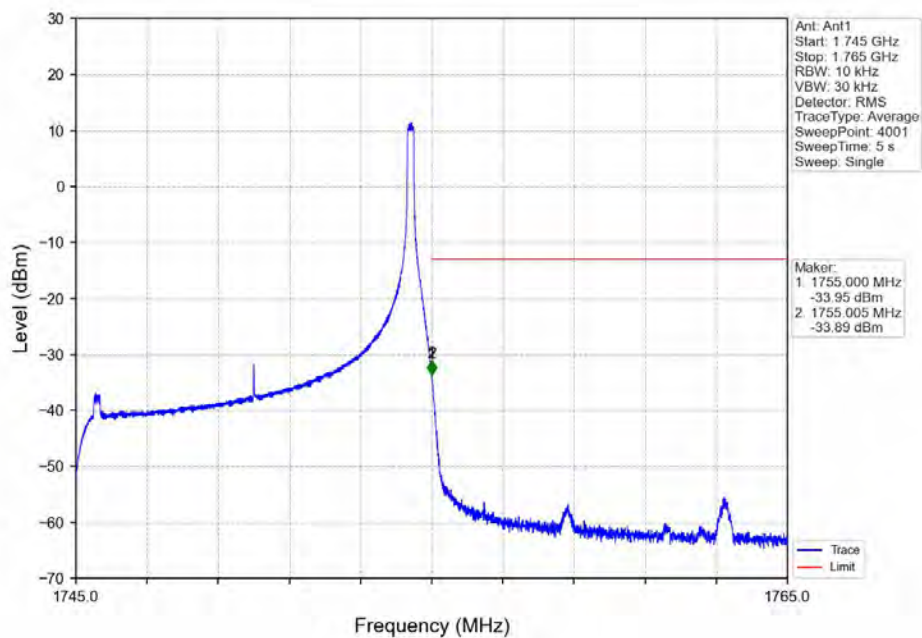
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



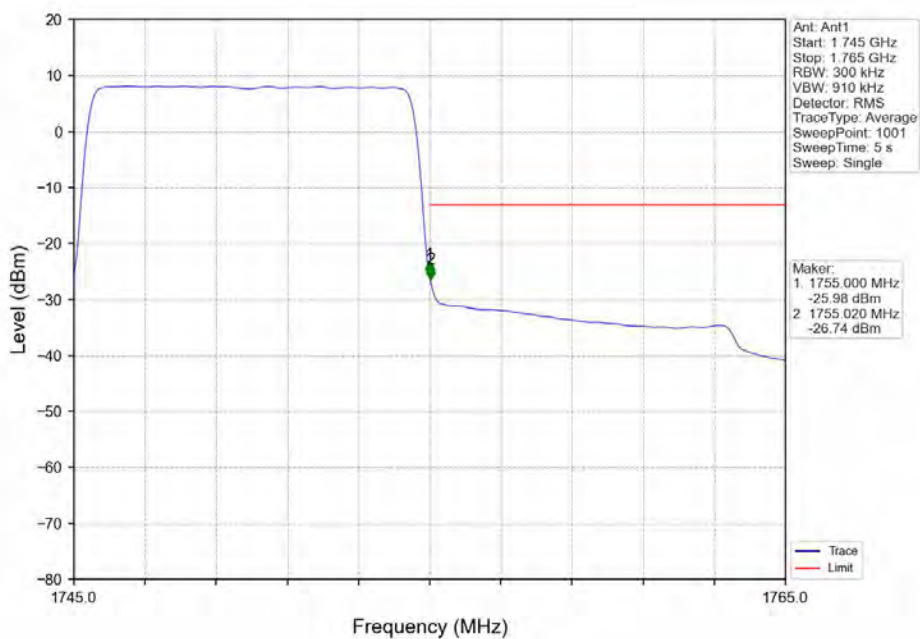
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



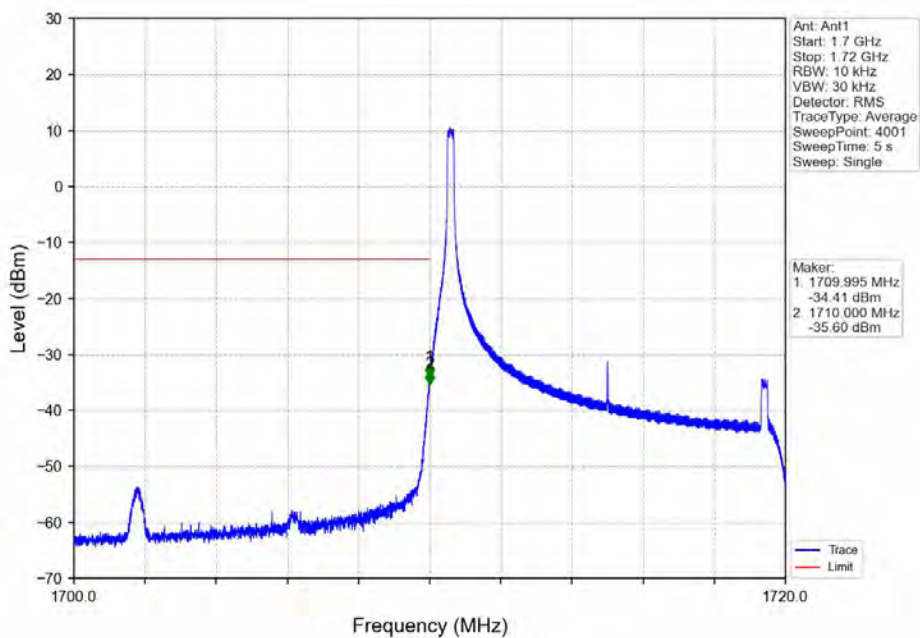
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



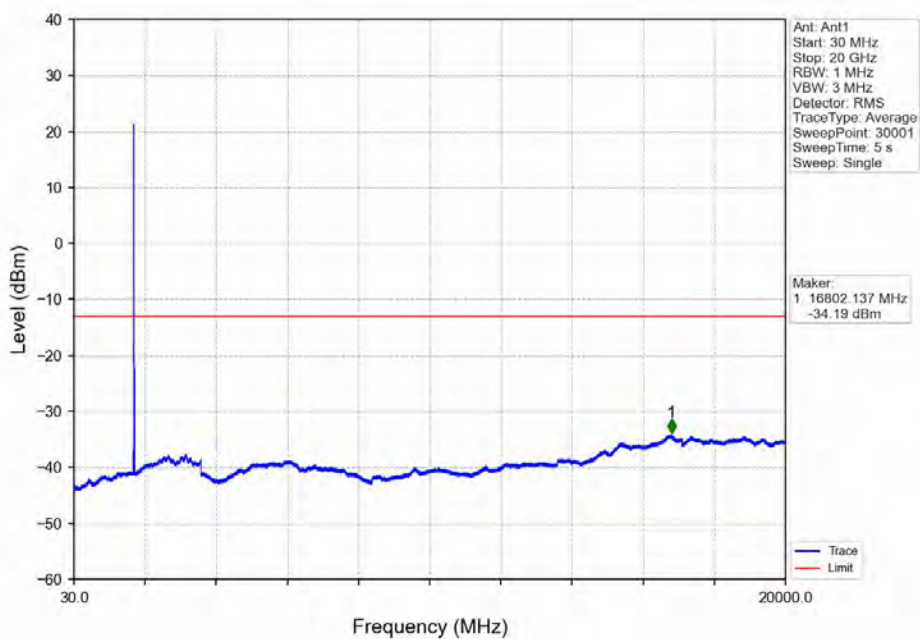
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



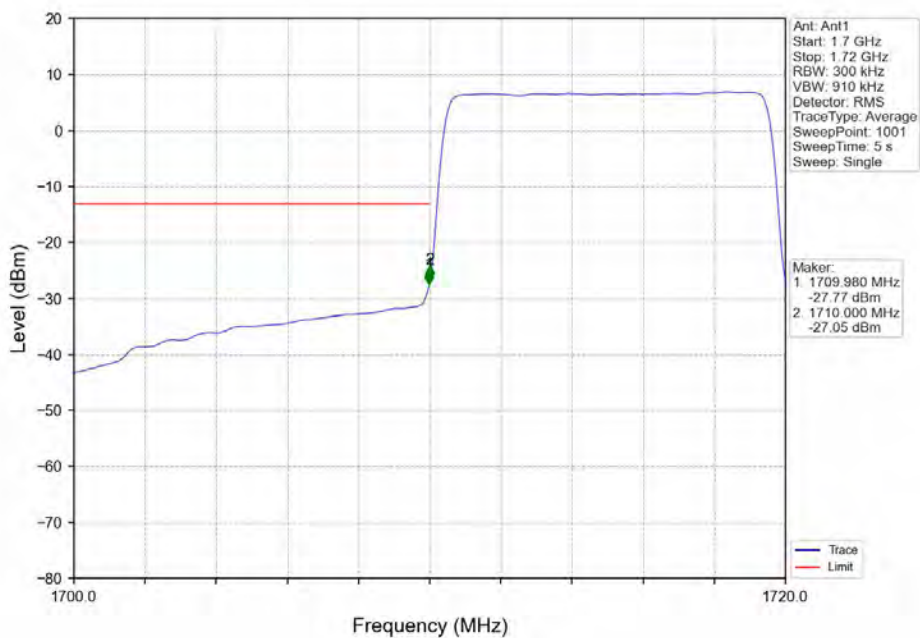
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



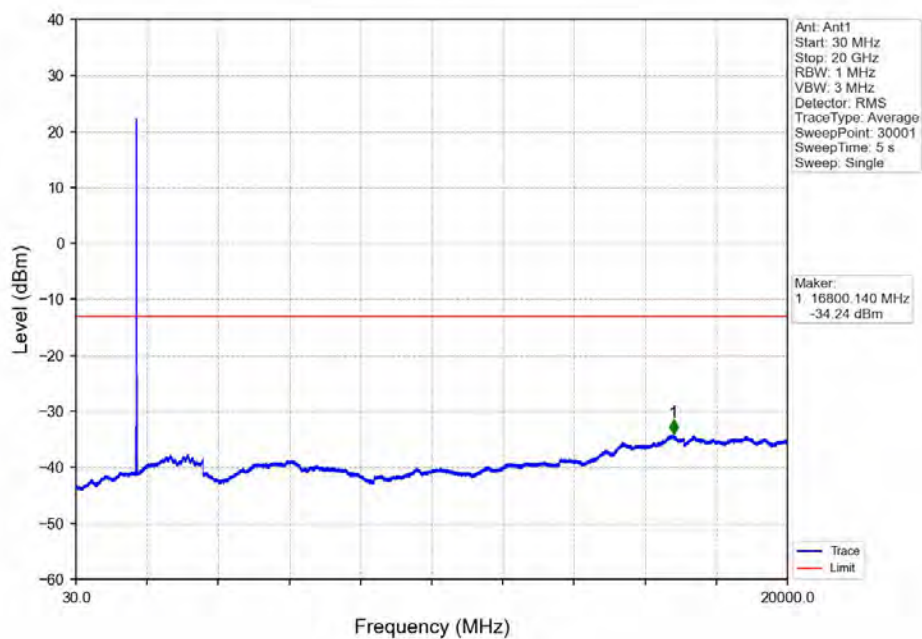
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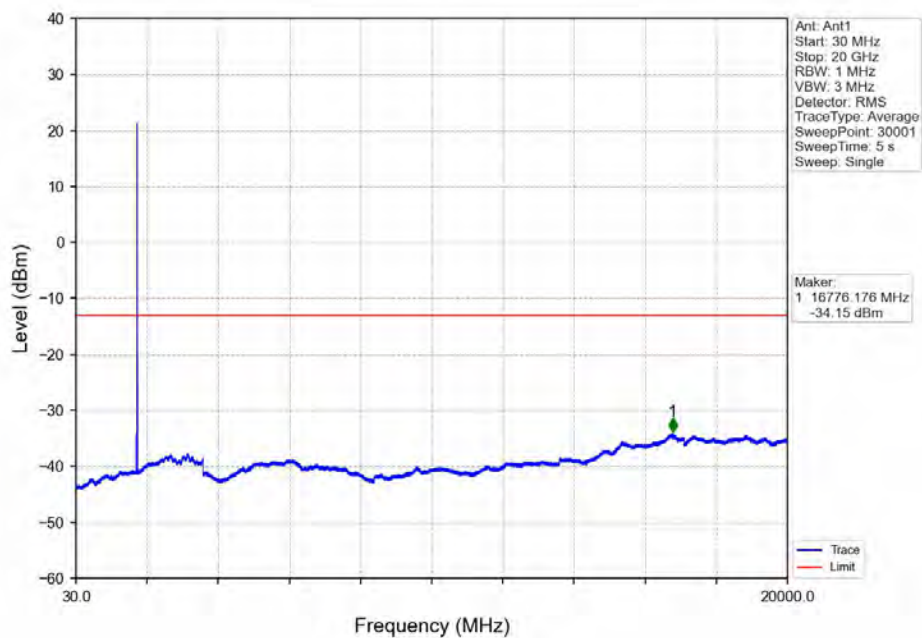
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



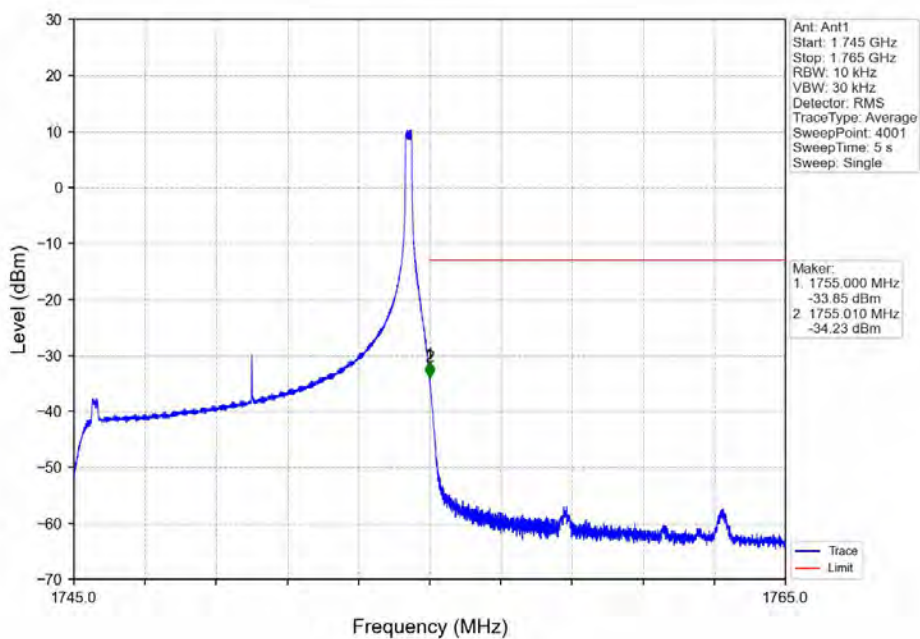
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



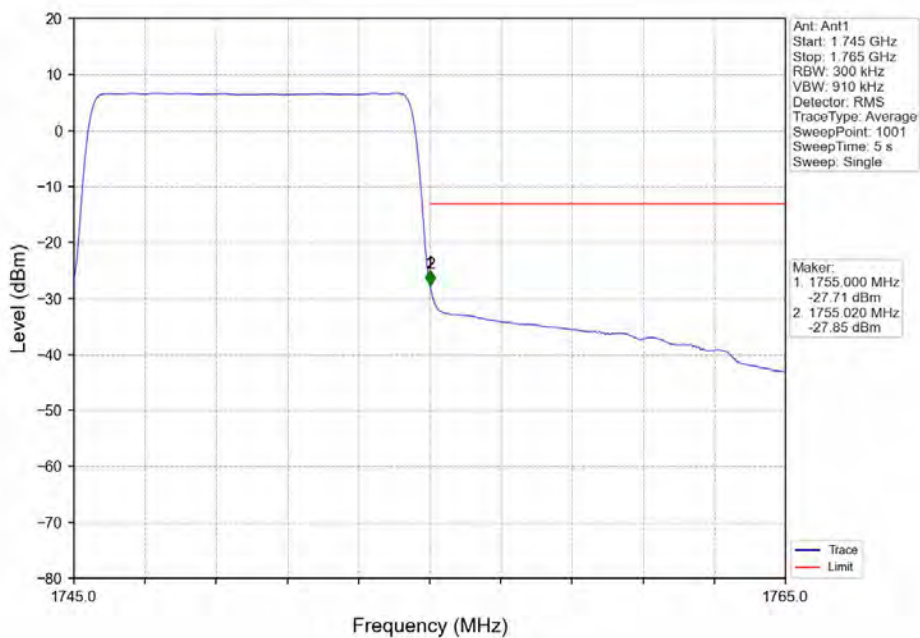
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



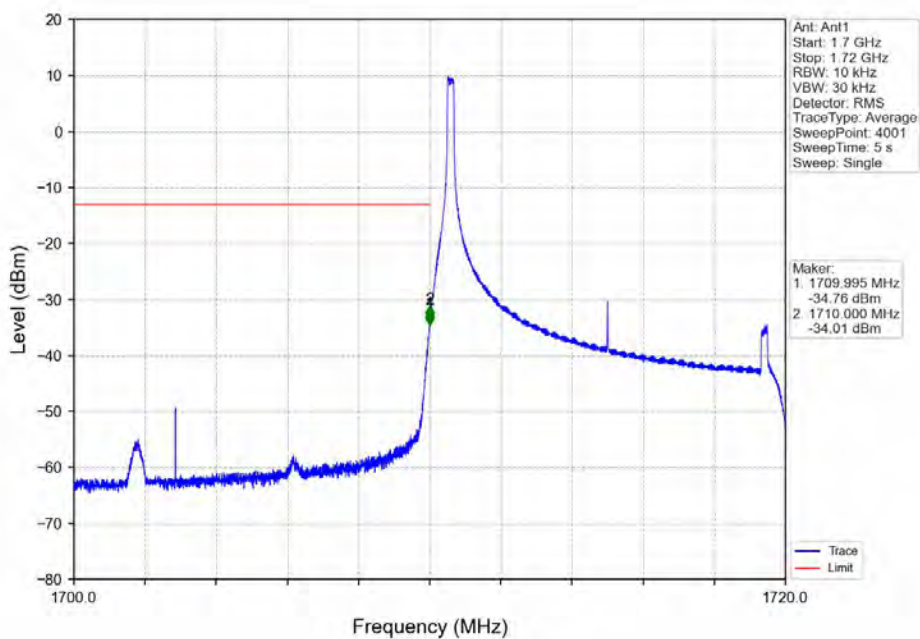
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



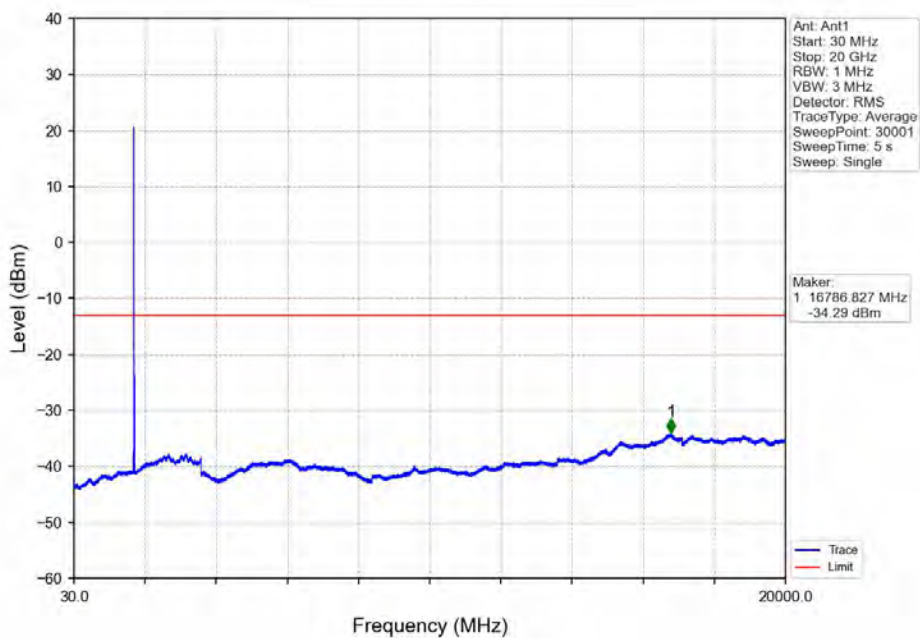
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

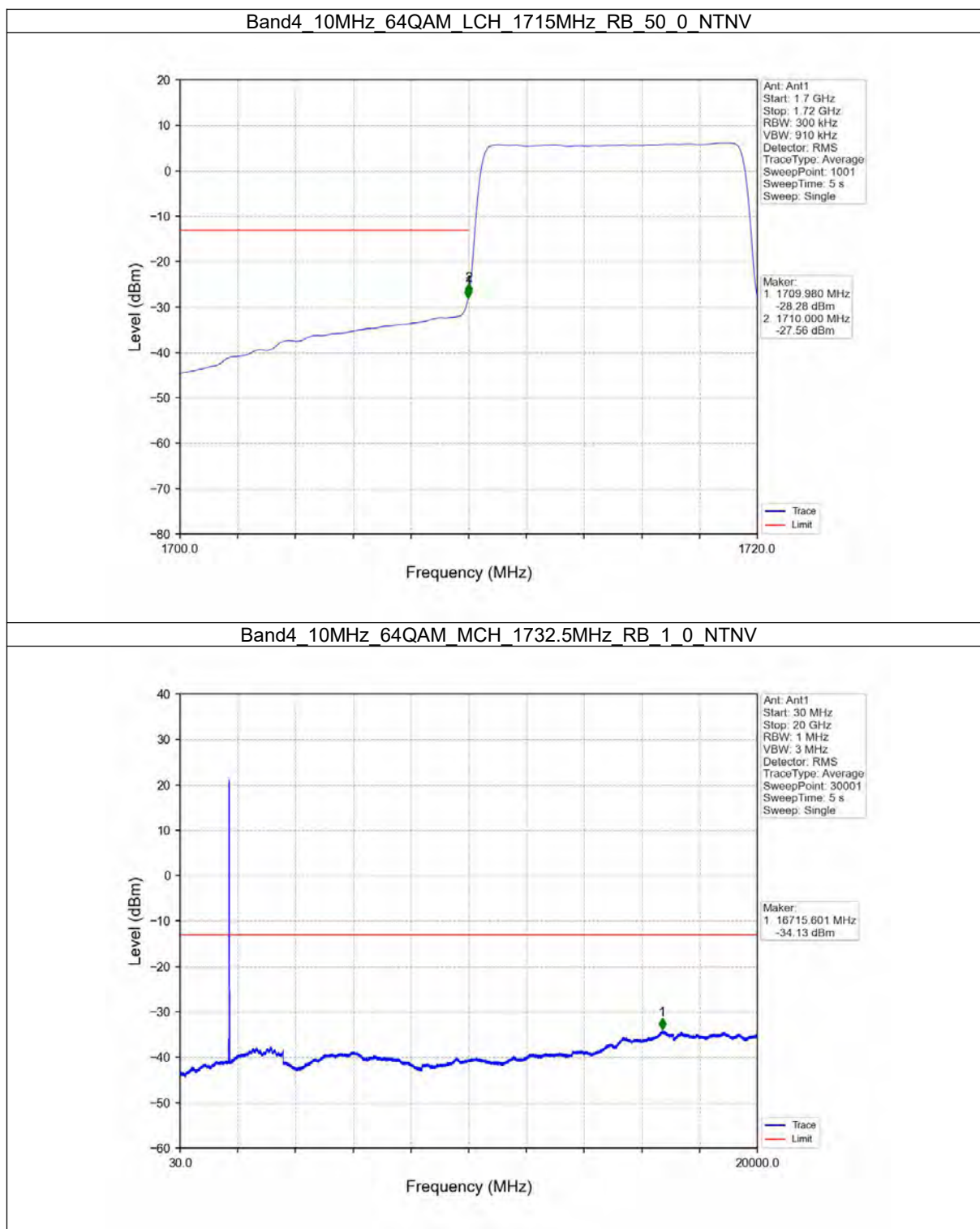


Band4_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV

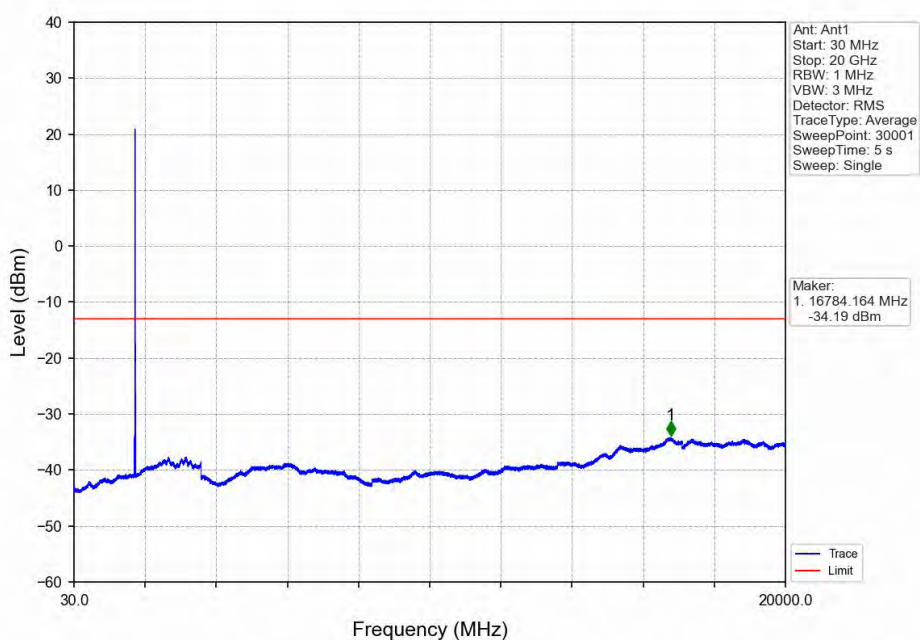


Band4_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV

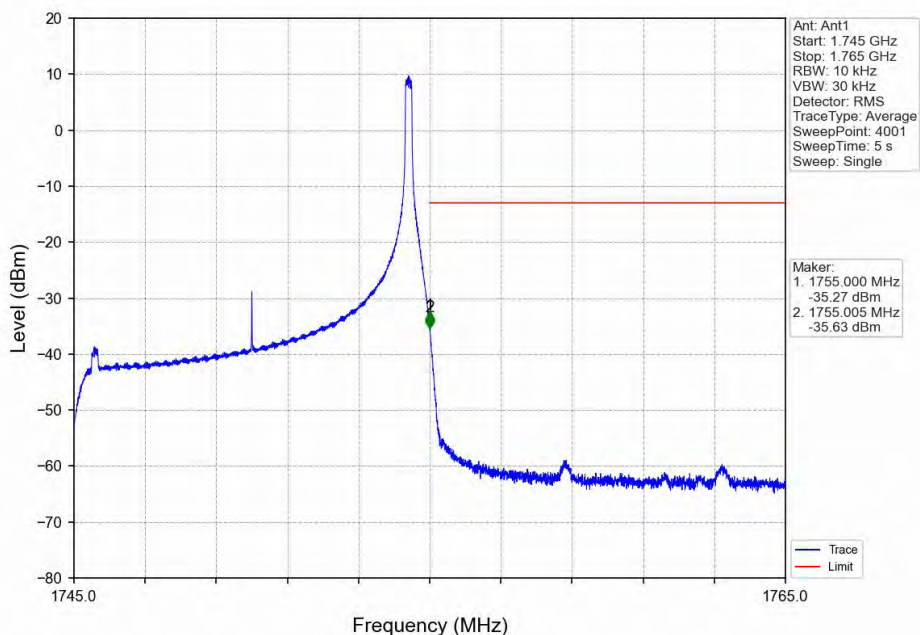


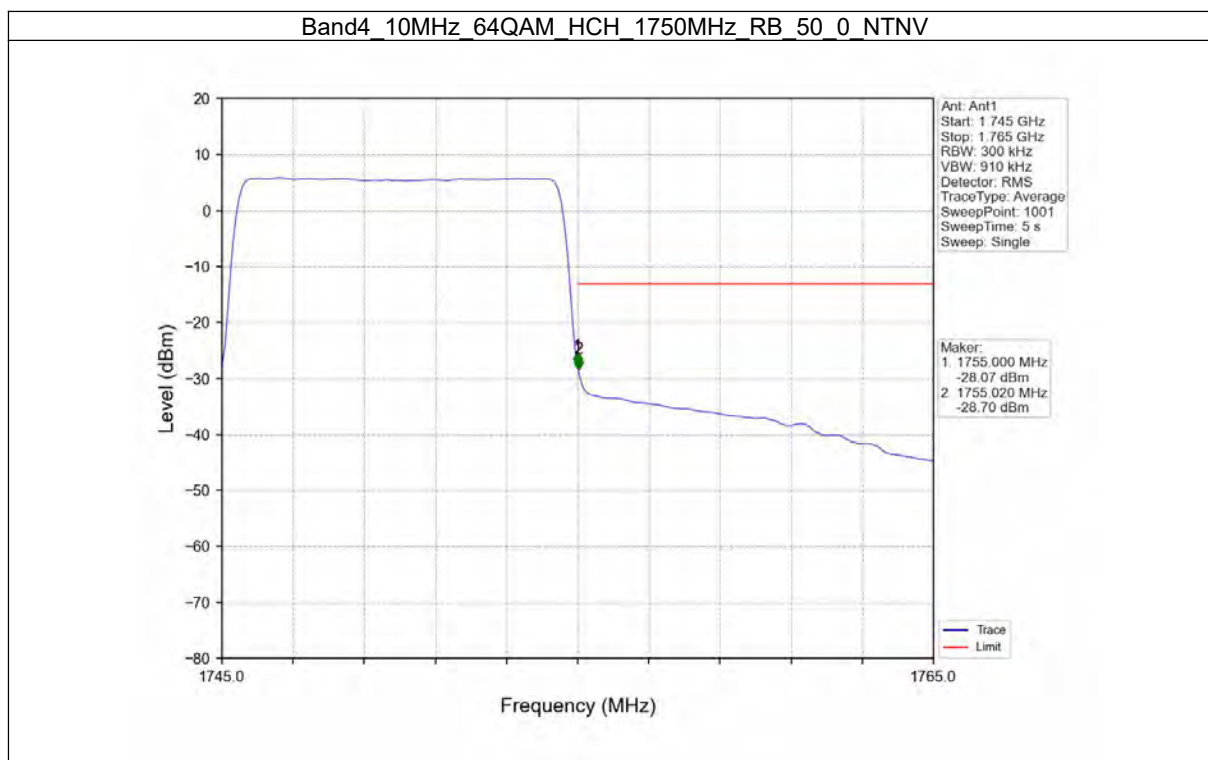


Band4_10MHz_64QAM_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_64QAM_HCH_1750MHz_RB_1_49_NTNV

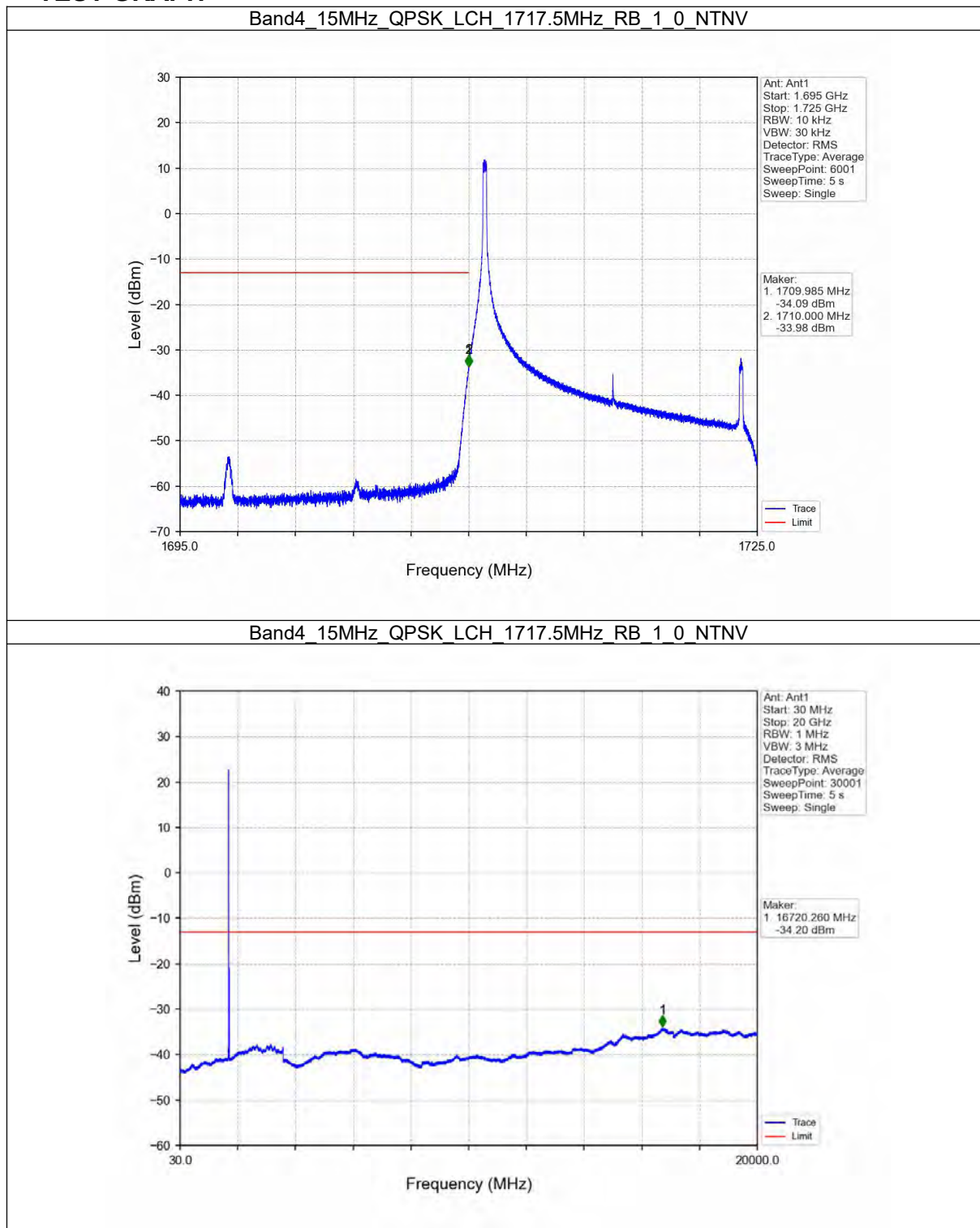




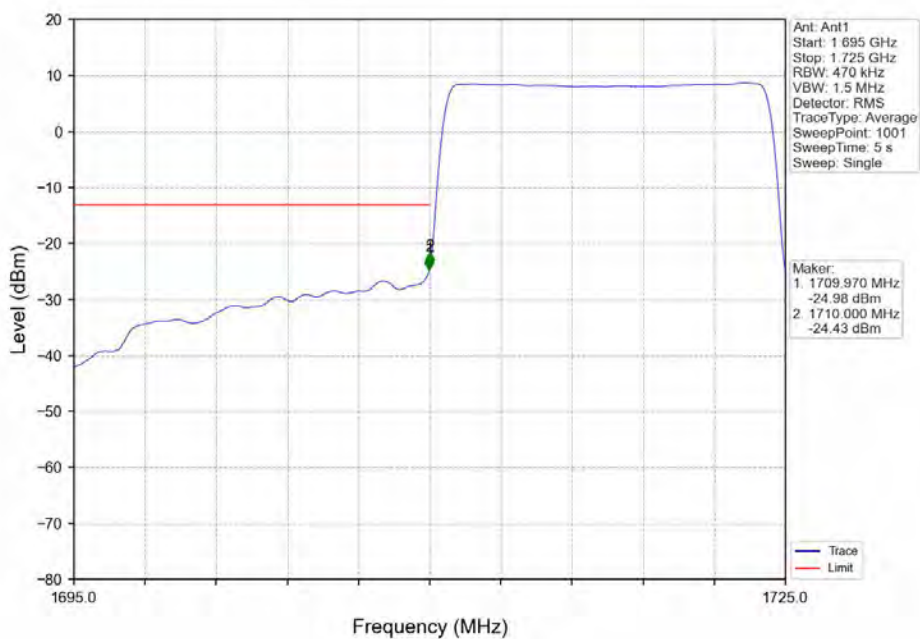
B4_15MHZ TEST RESULT

Band: 4 / Bandwidth: 15MHz / NTNV						
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	

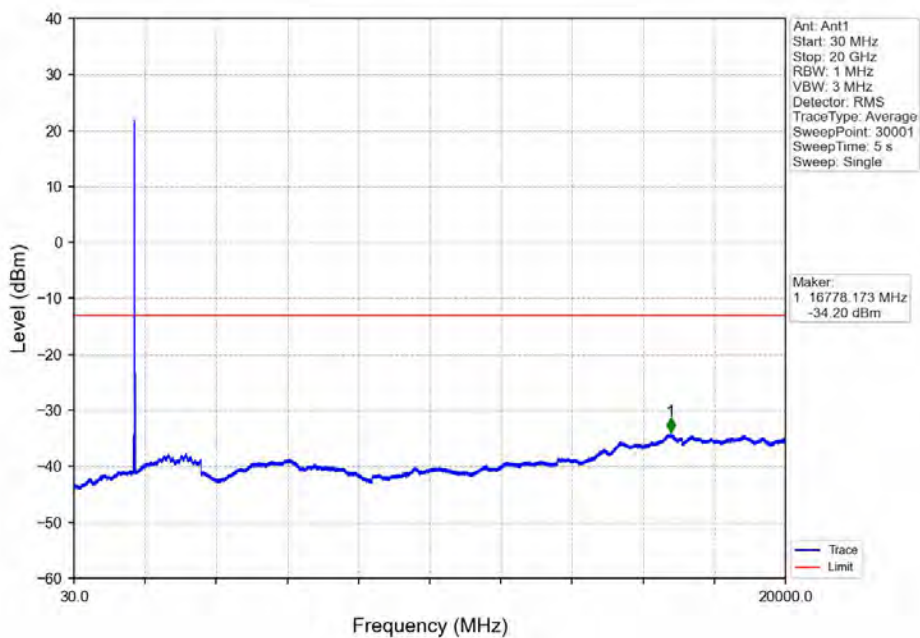
TEST GRAPH

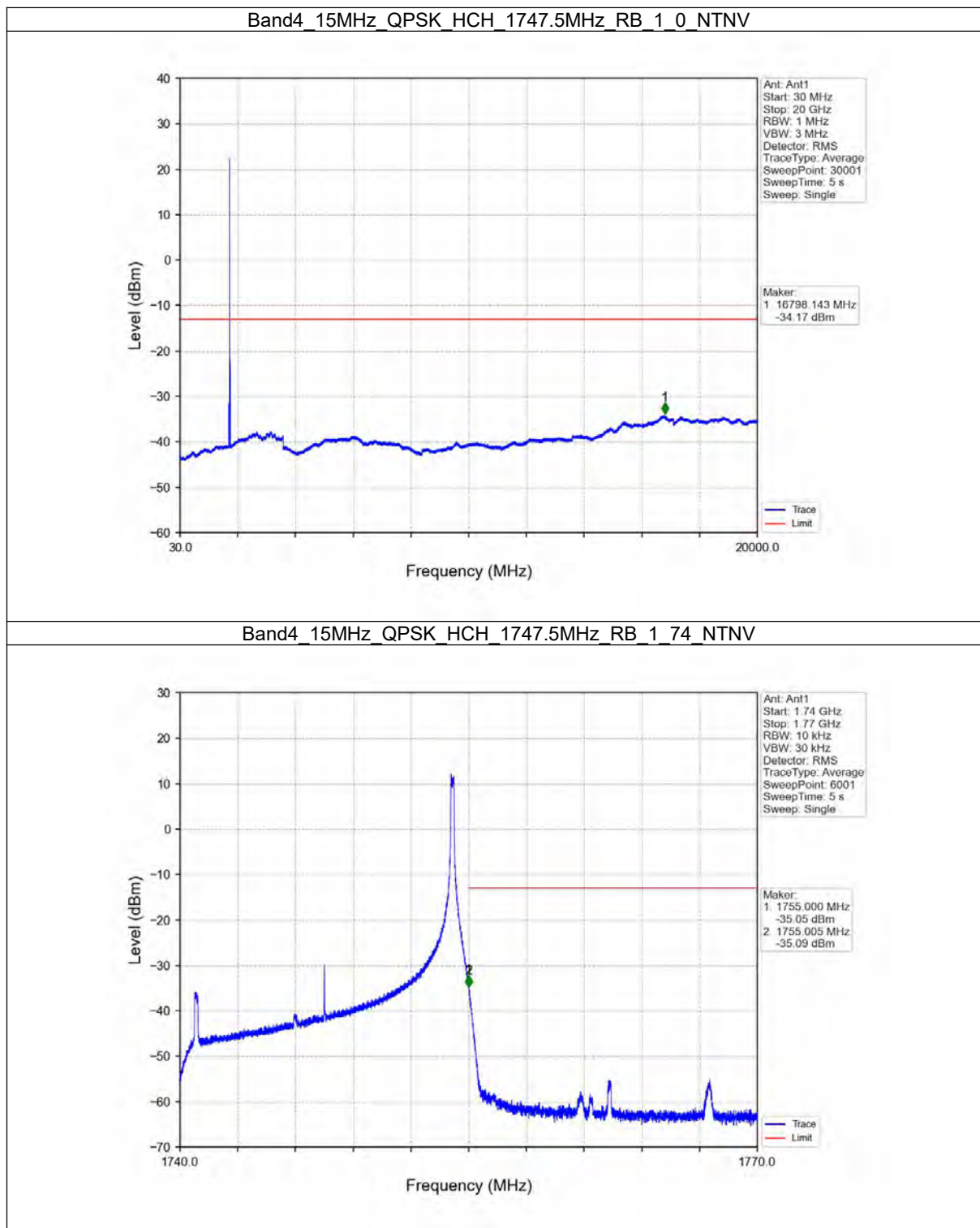


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

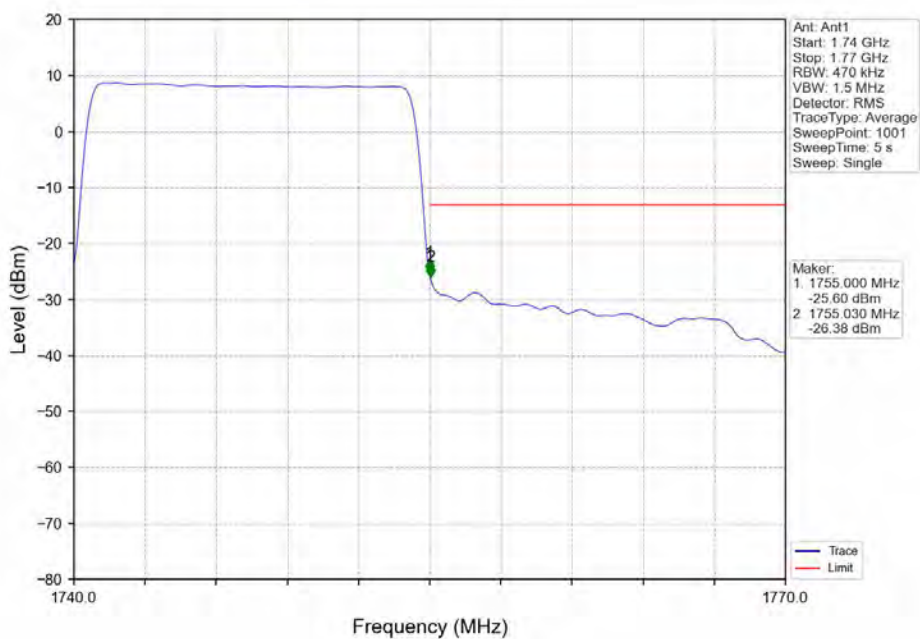


Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

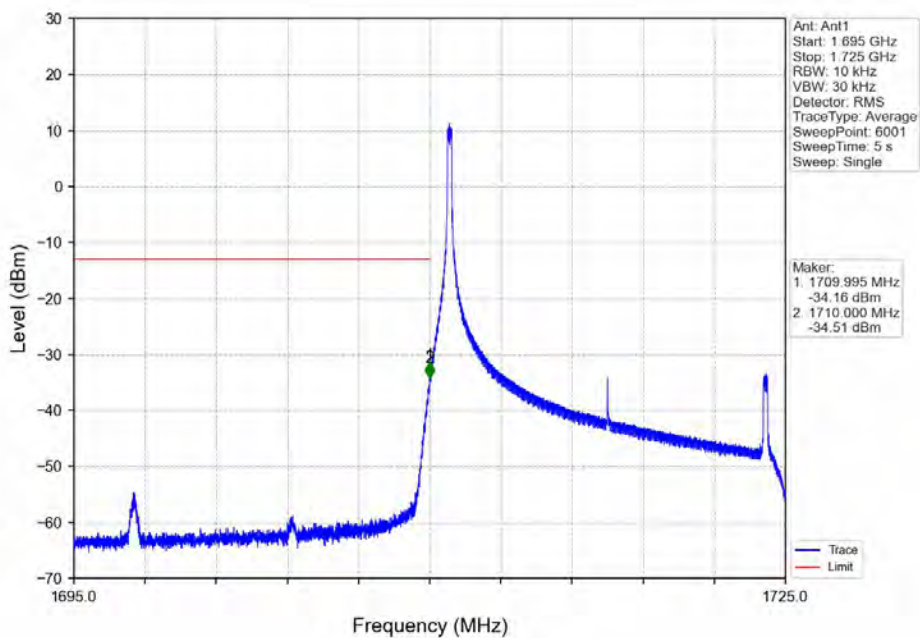




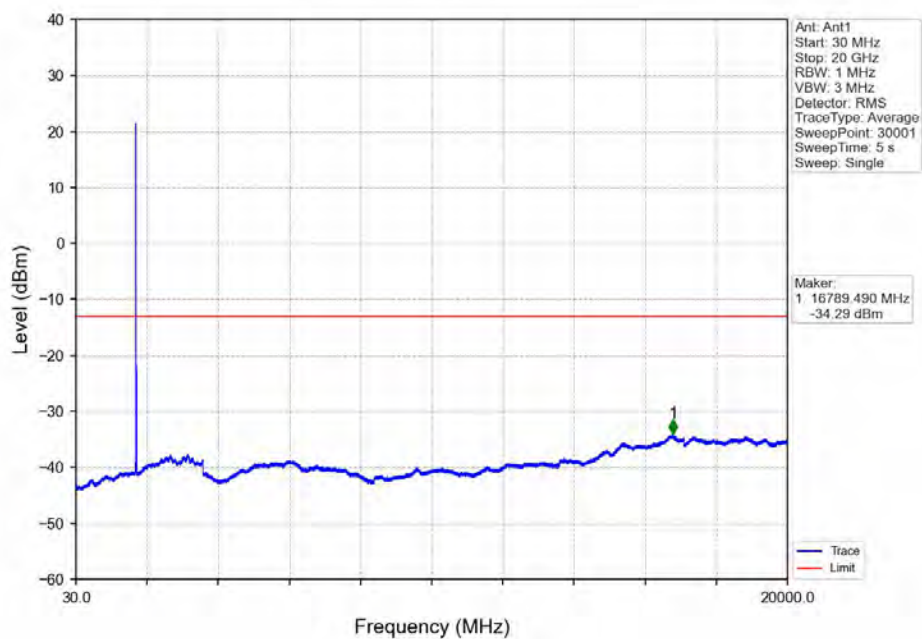
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



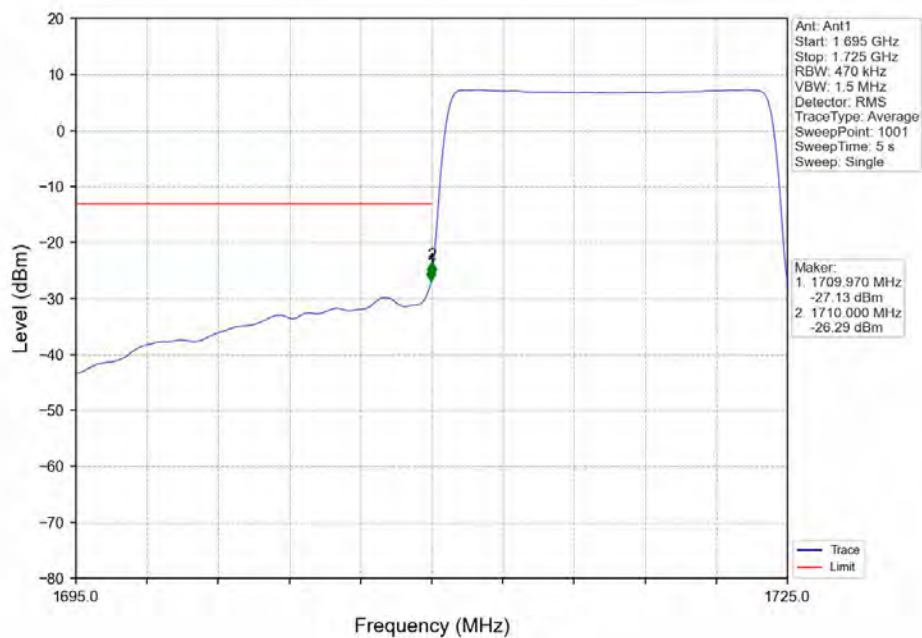
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



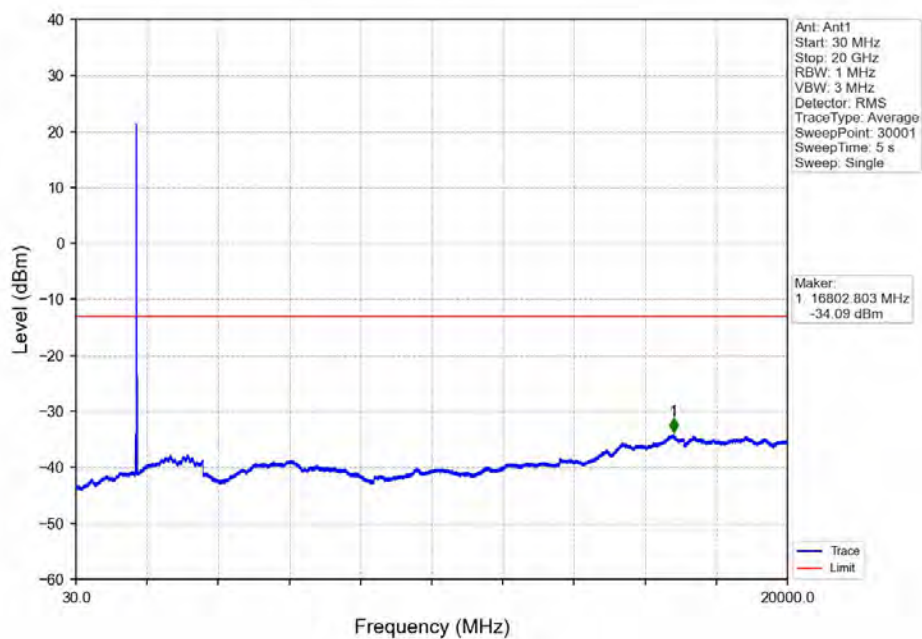
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



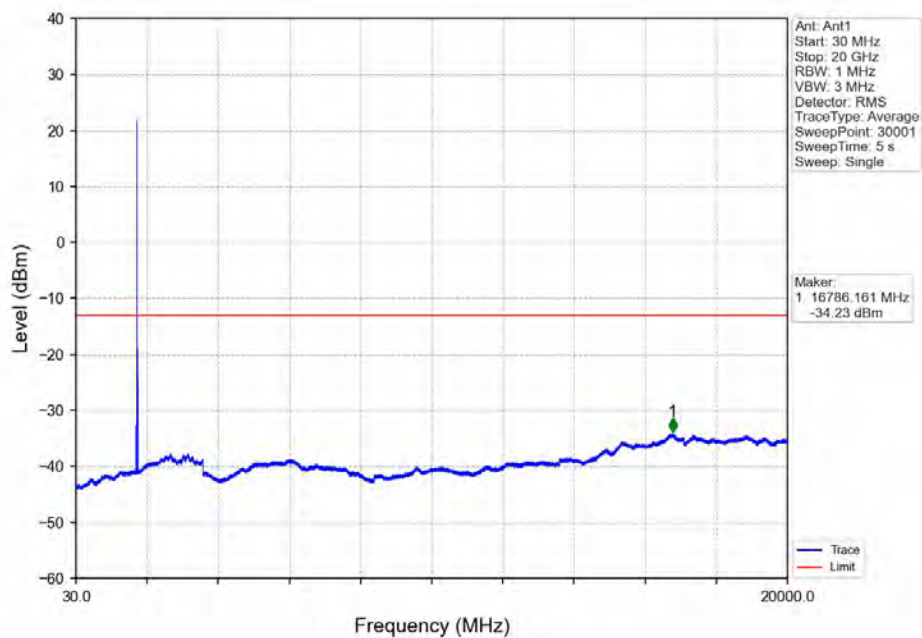
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



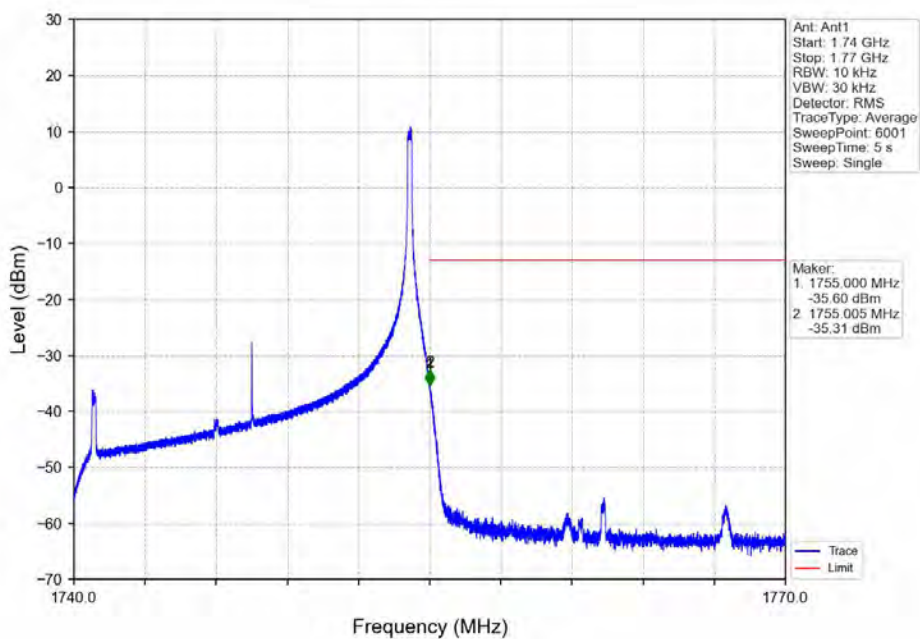
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



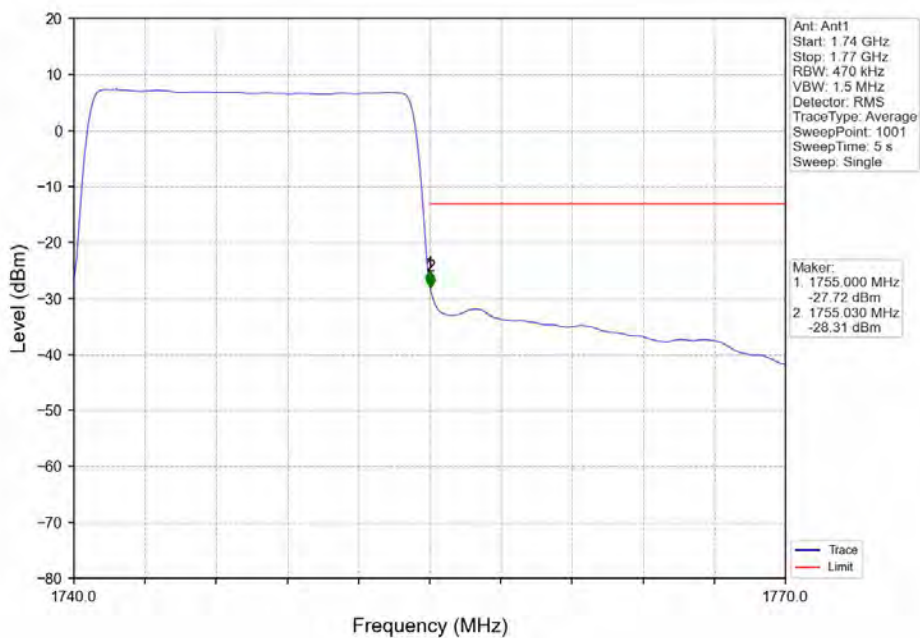
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV



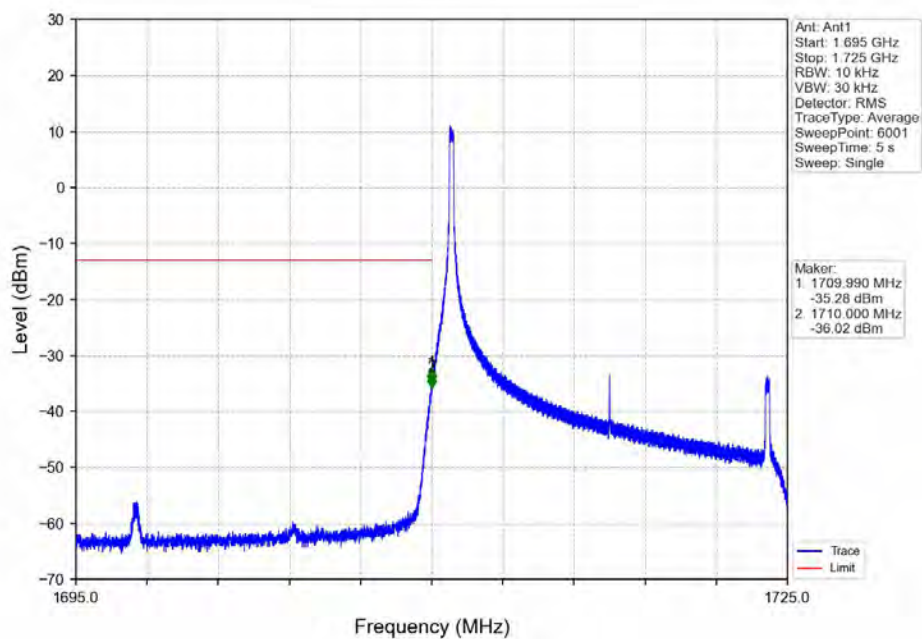
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_74_NTNV



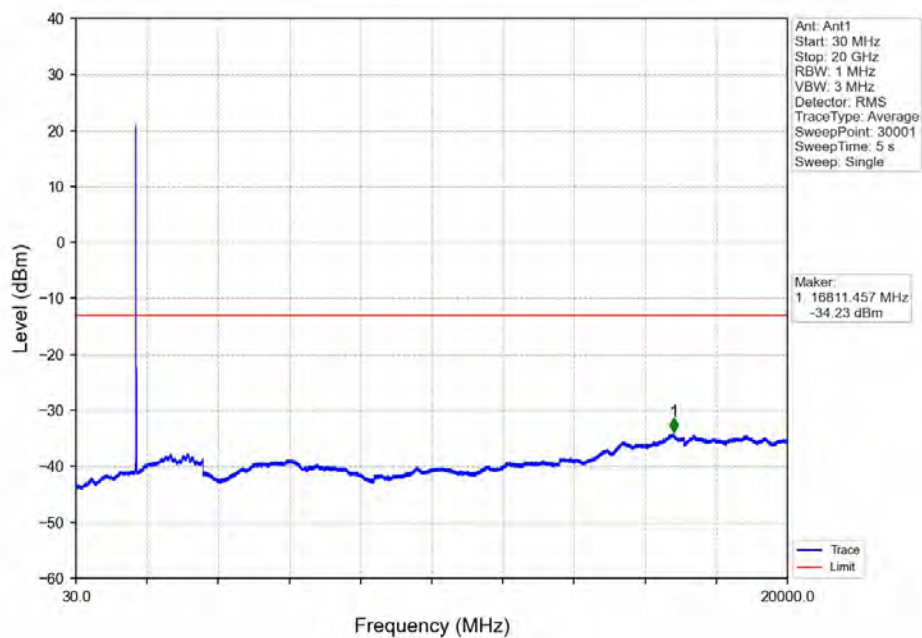
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



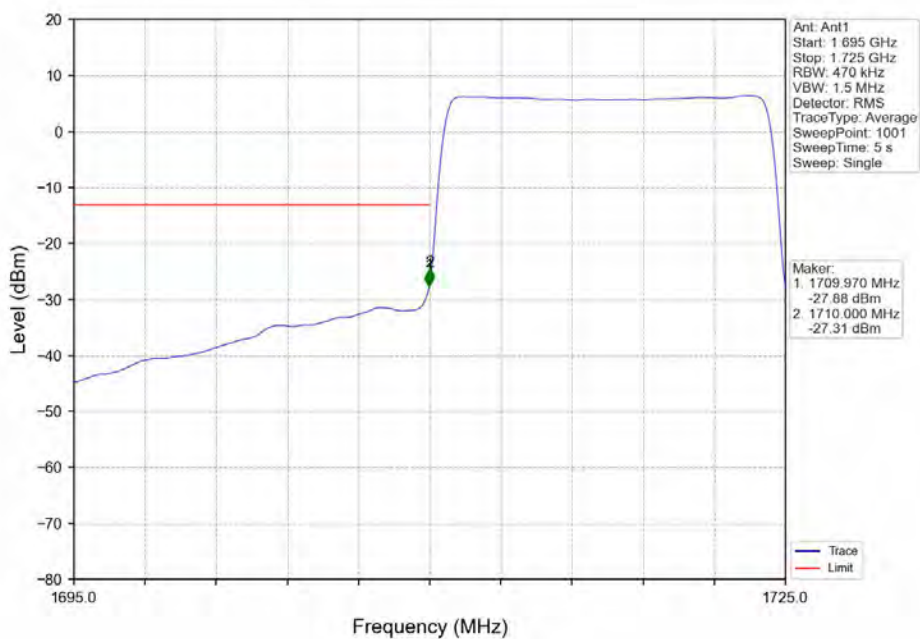
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV



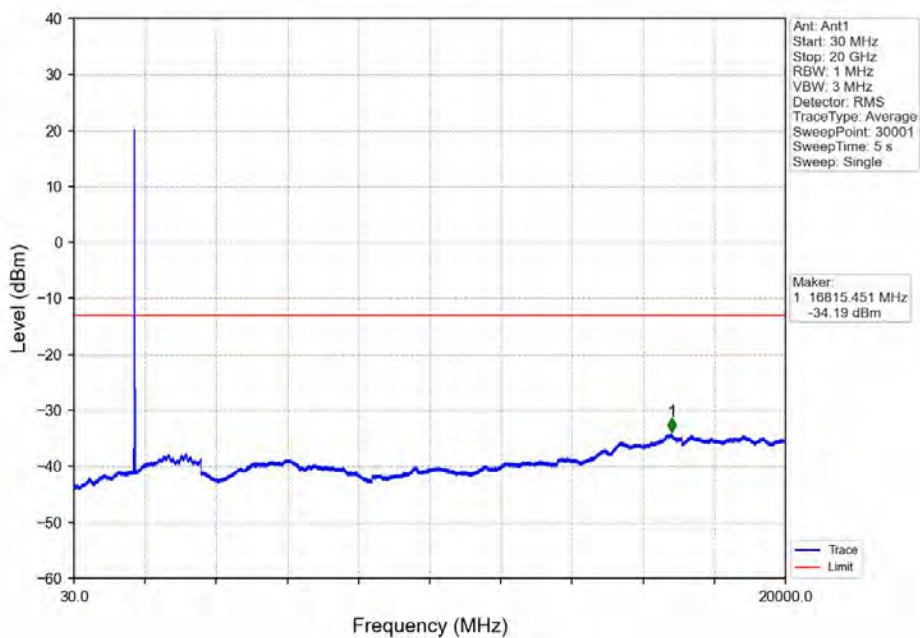
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV



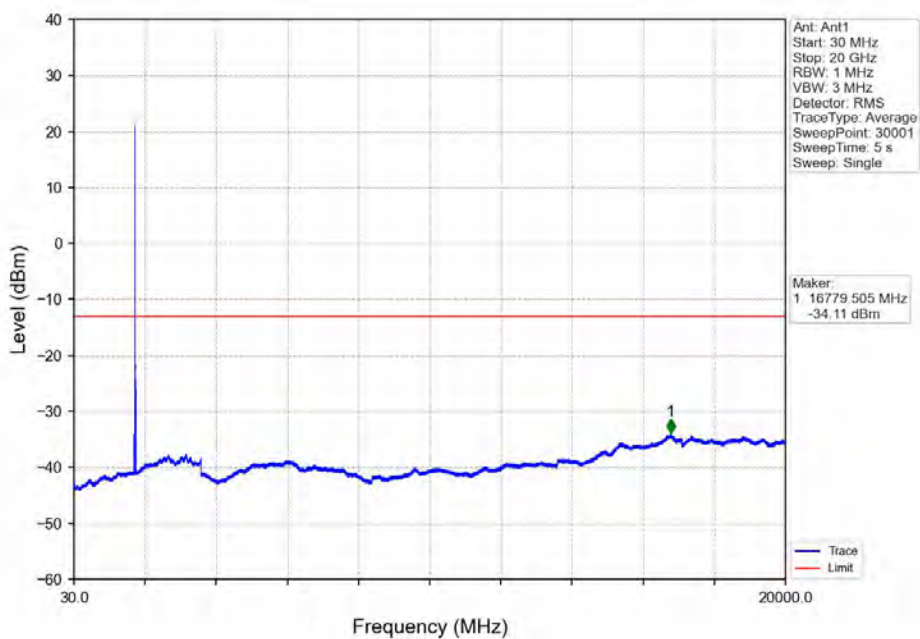
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



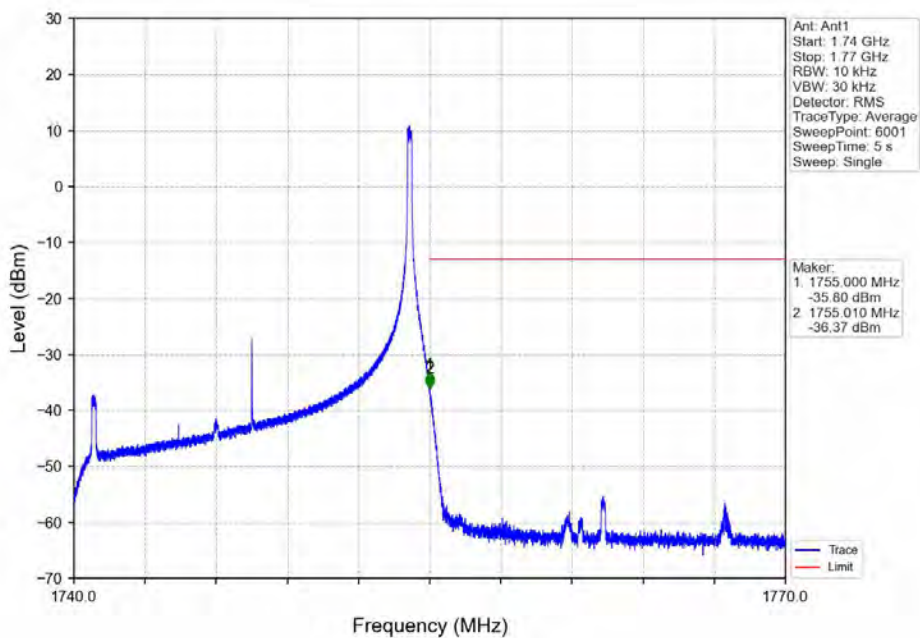
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV

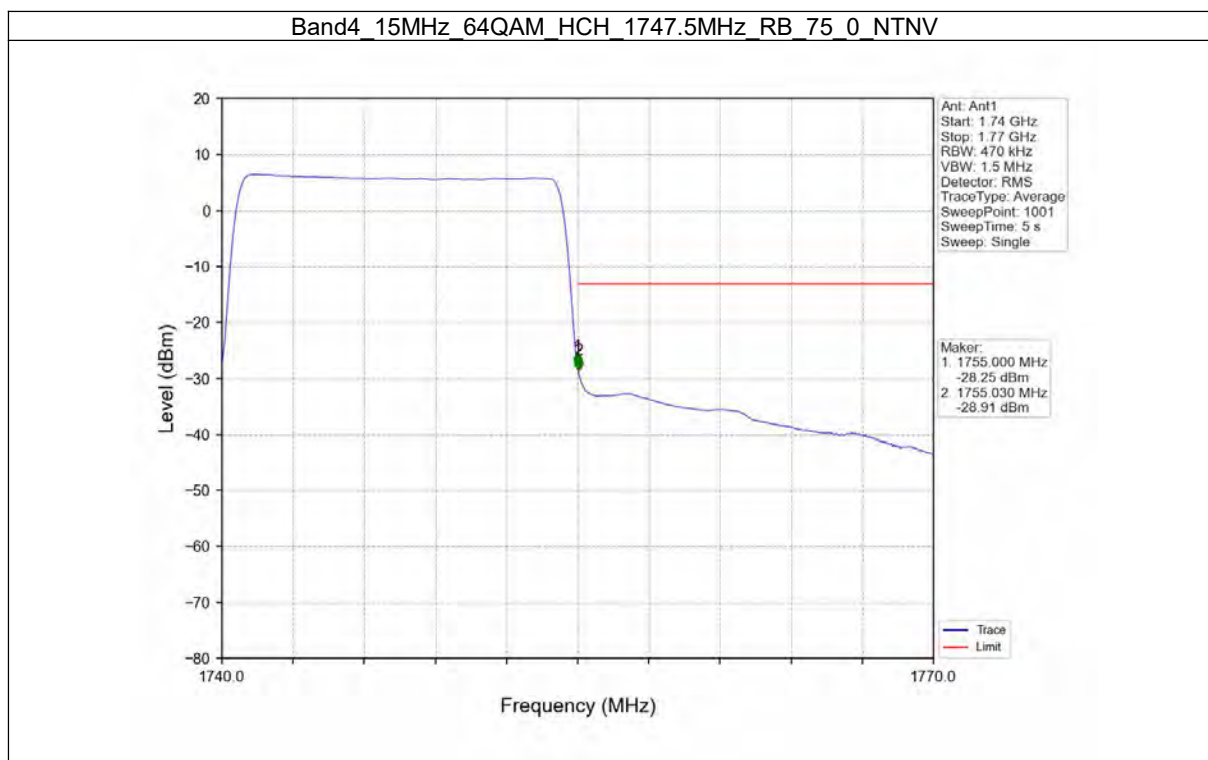


Band4_15MHz_64QAM_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_64QAM_HCH_1747.5MHz_RB_1_74_NTNV

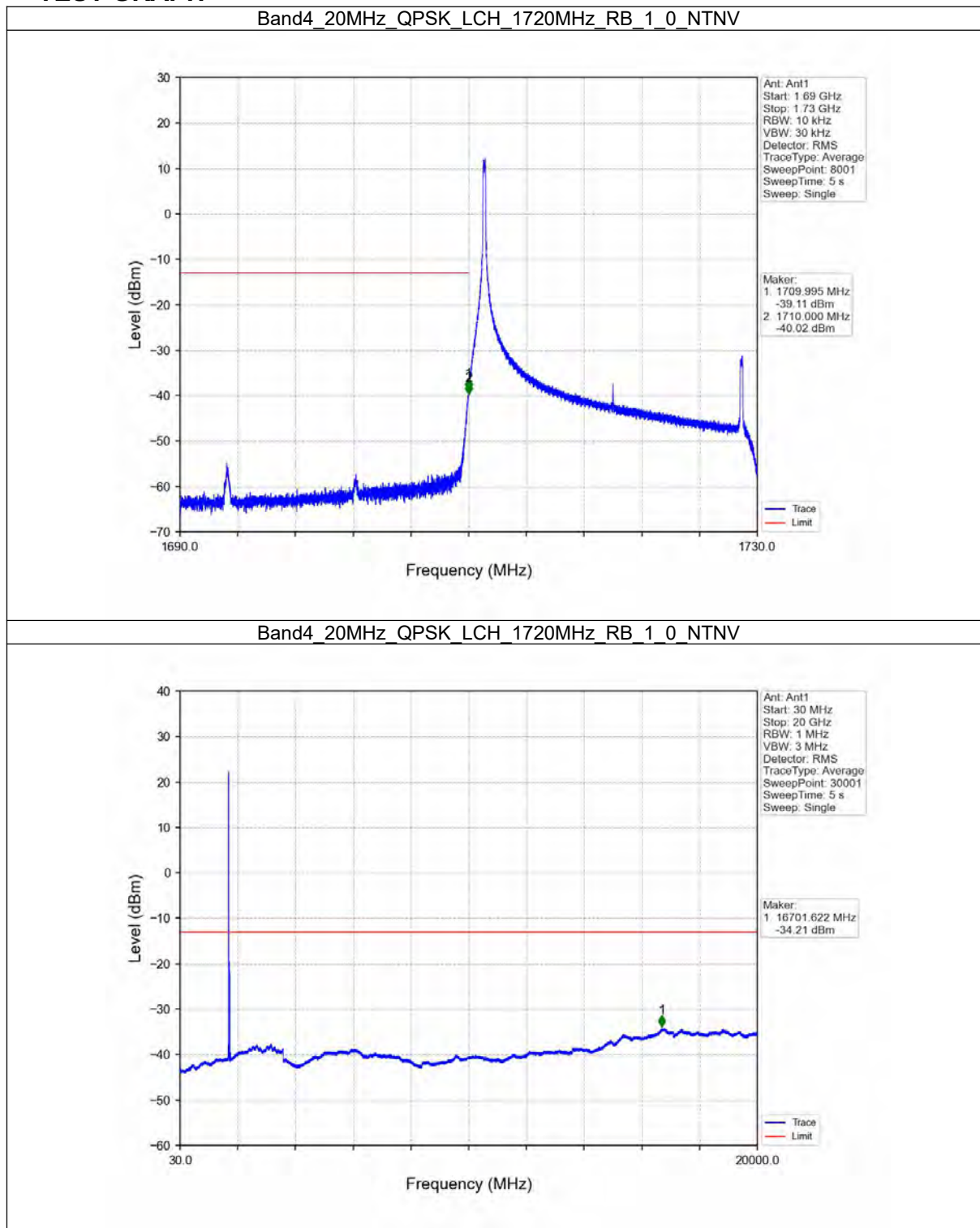


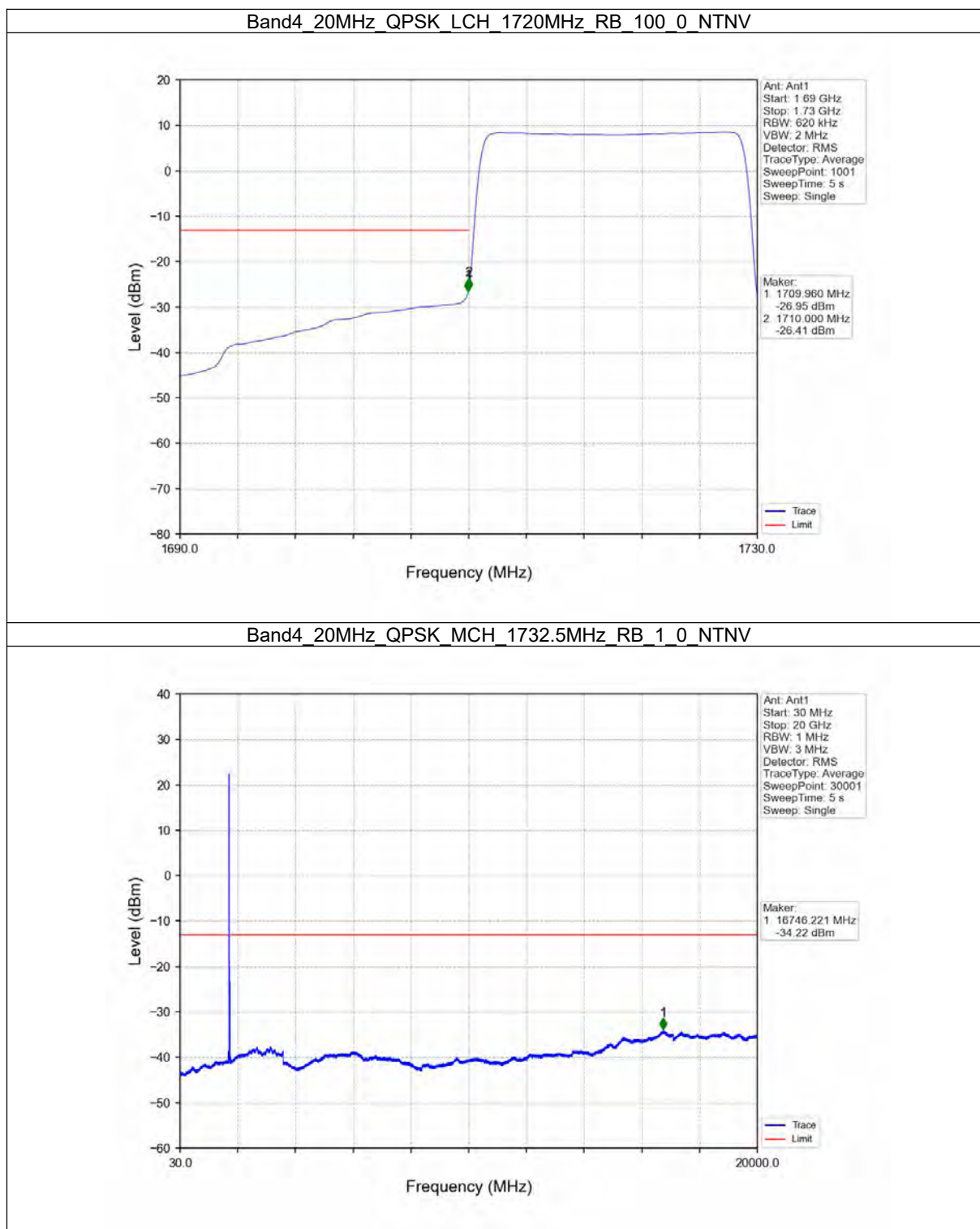


B4_20MHZ TEST RESULT

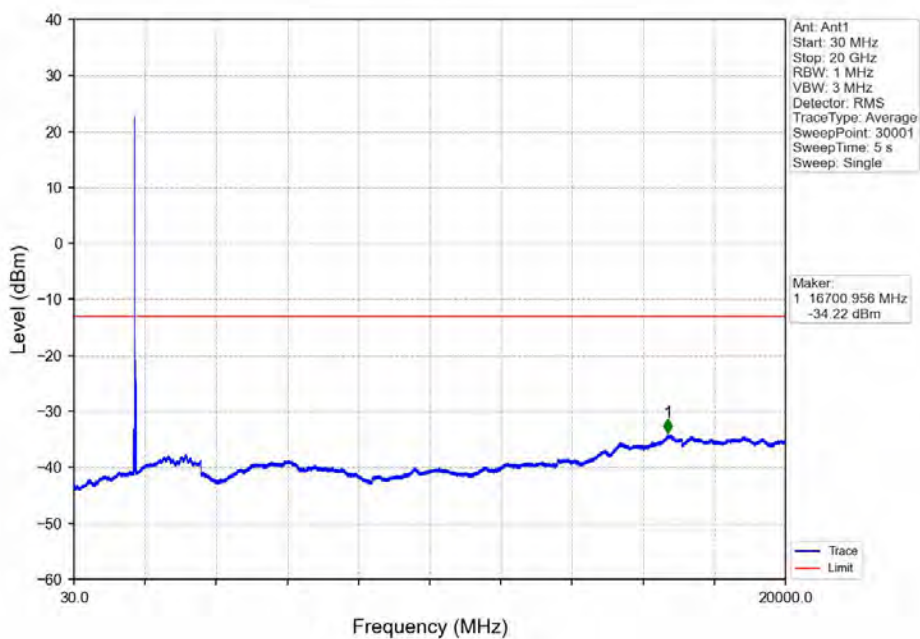
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

TEST GRAPH

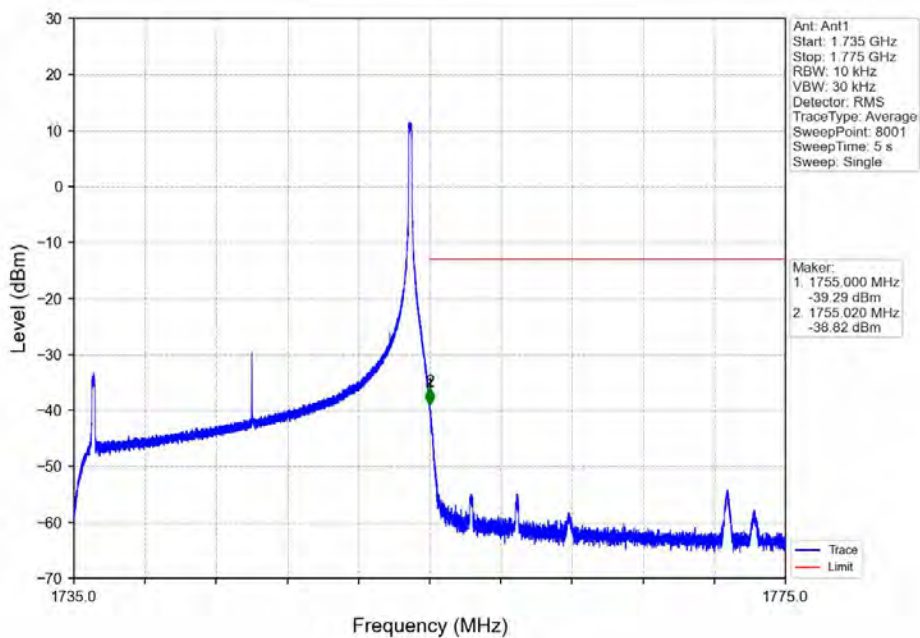




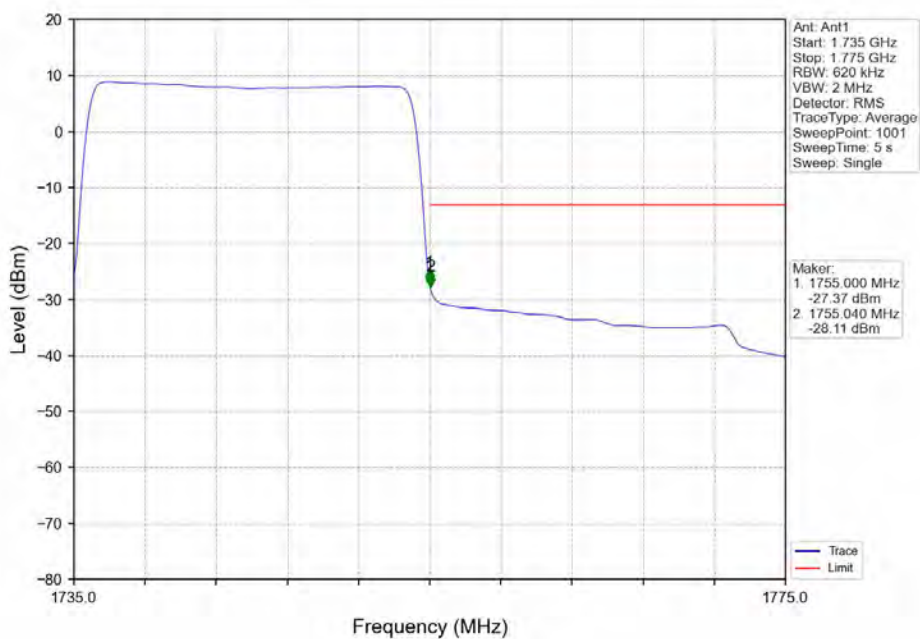
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



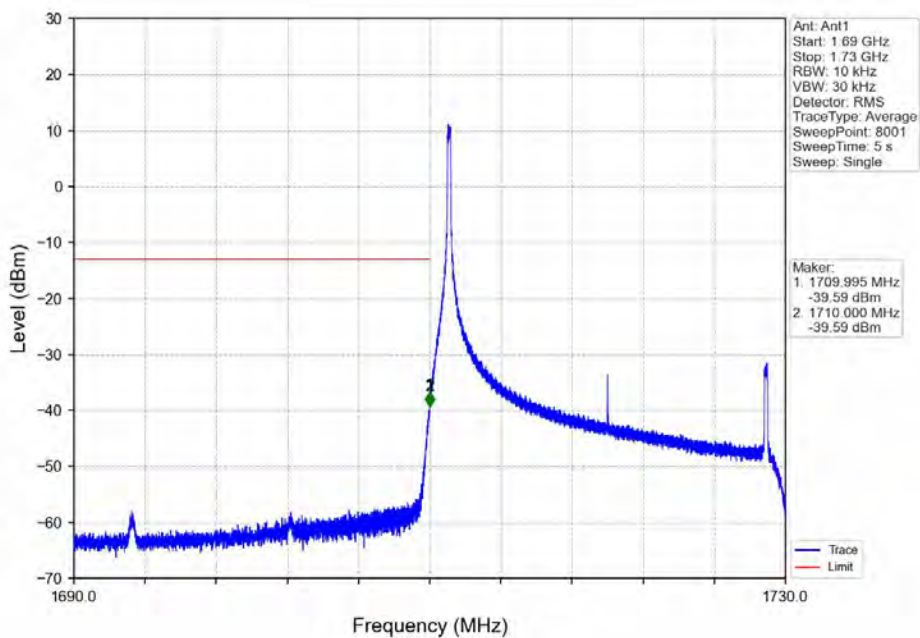
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



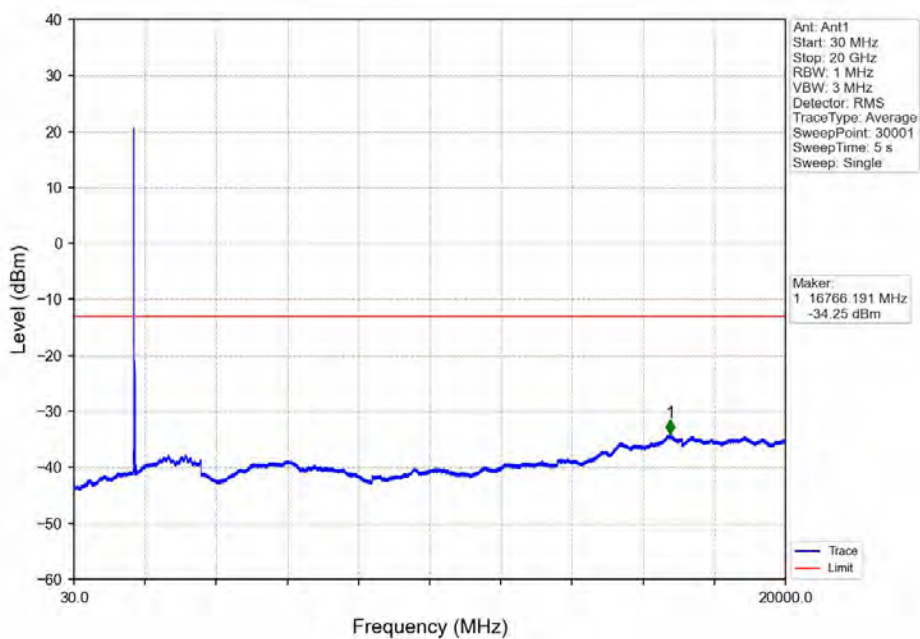
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



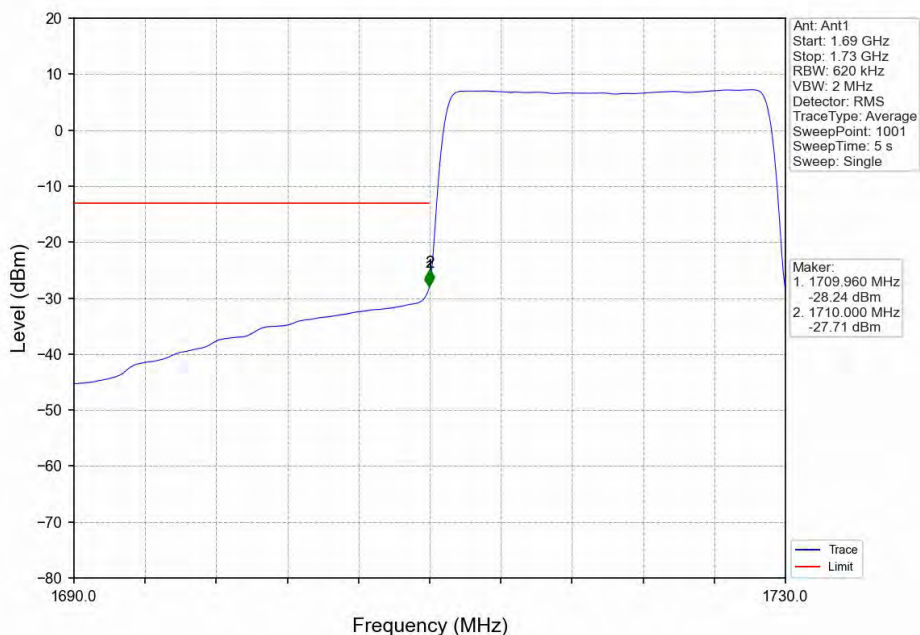
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



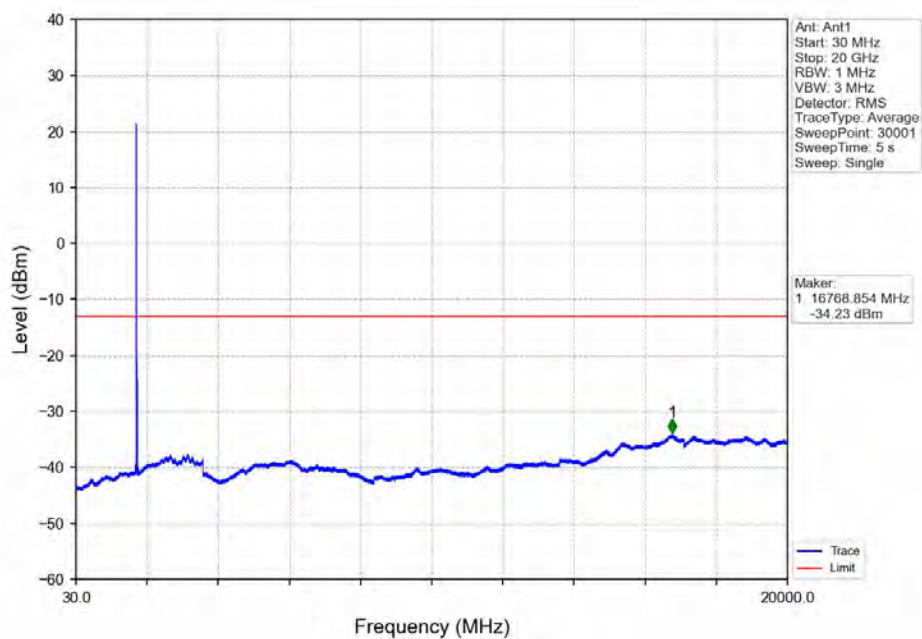
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



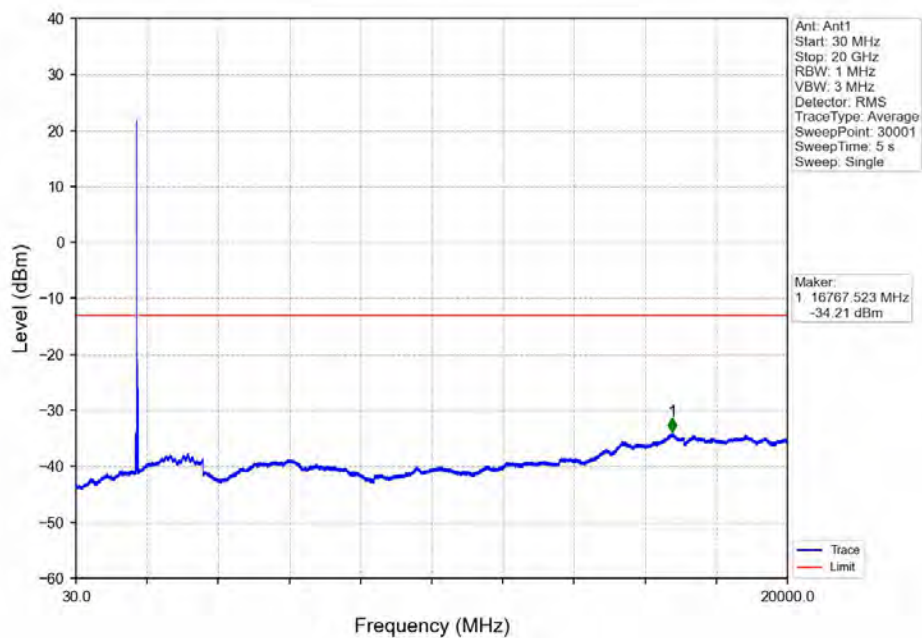
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



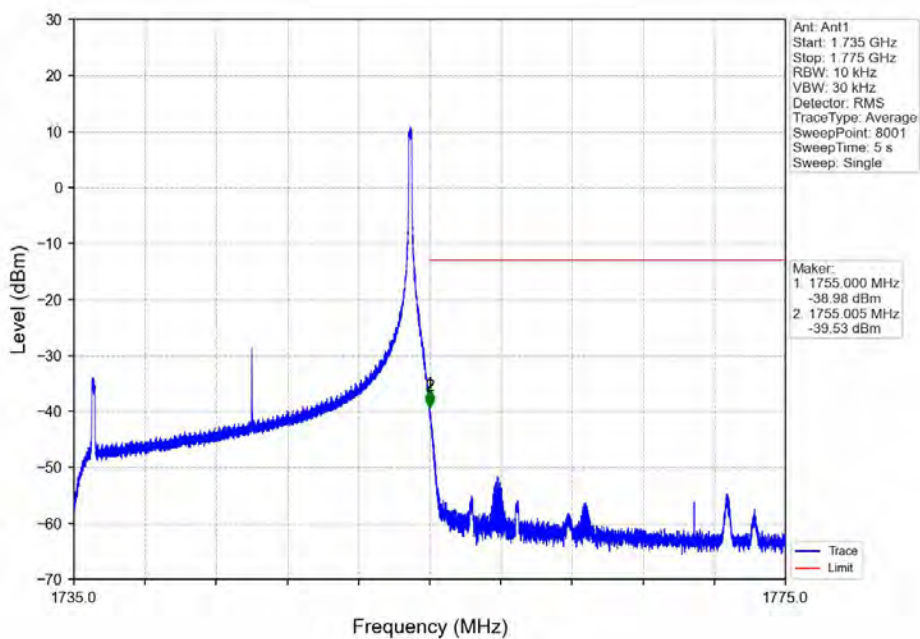
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



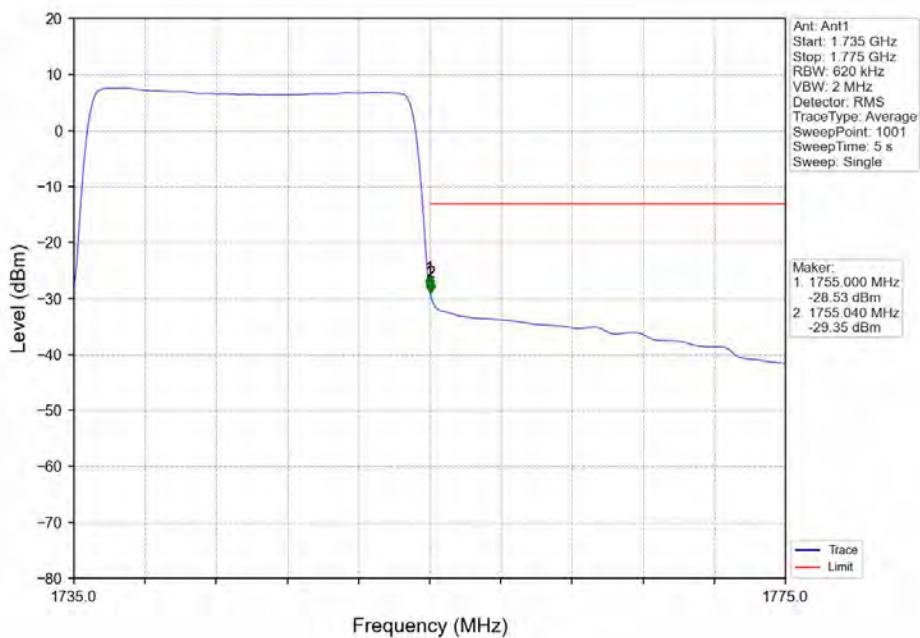
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



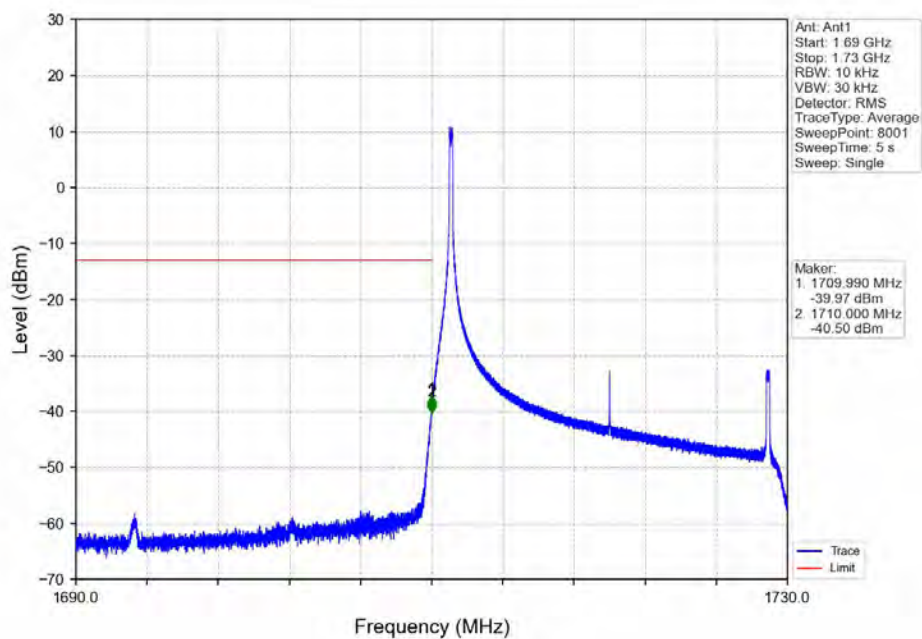
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_99_NTNV



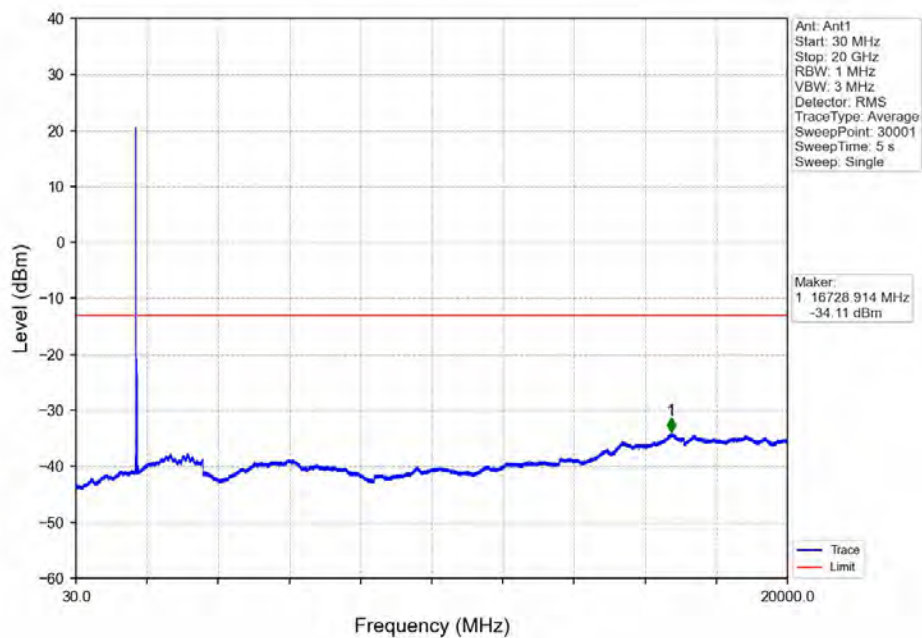
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



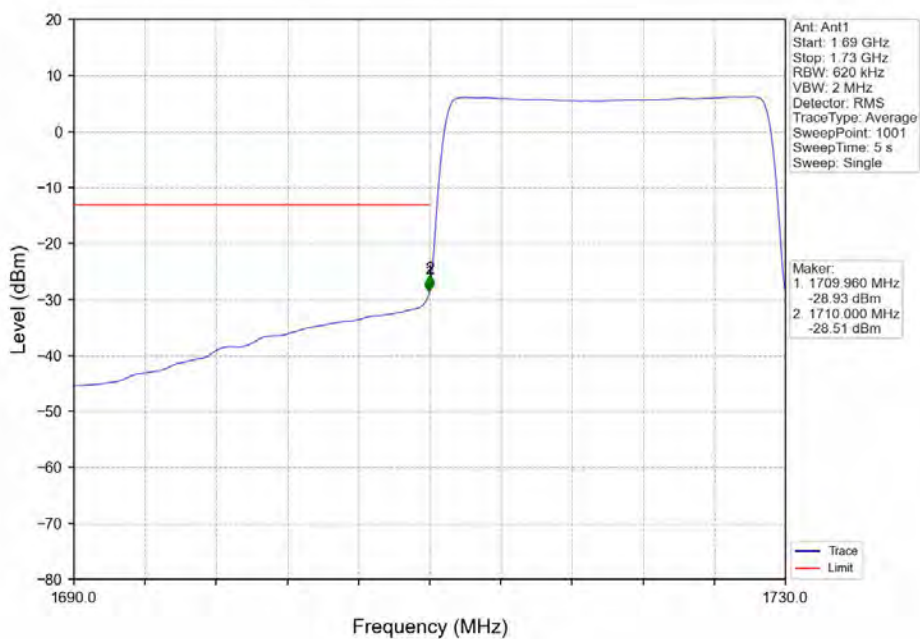
Band4_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



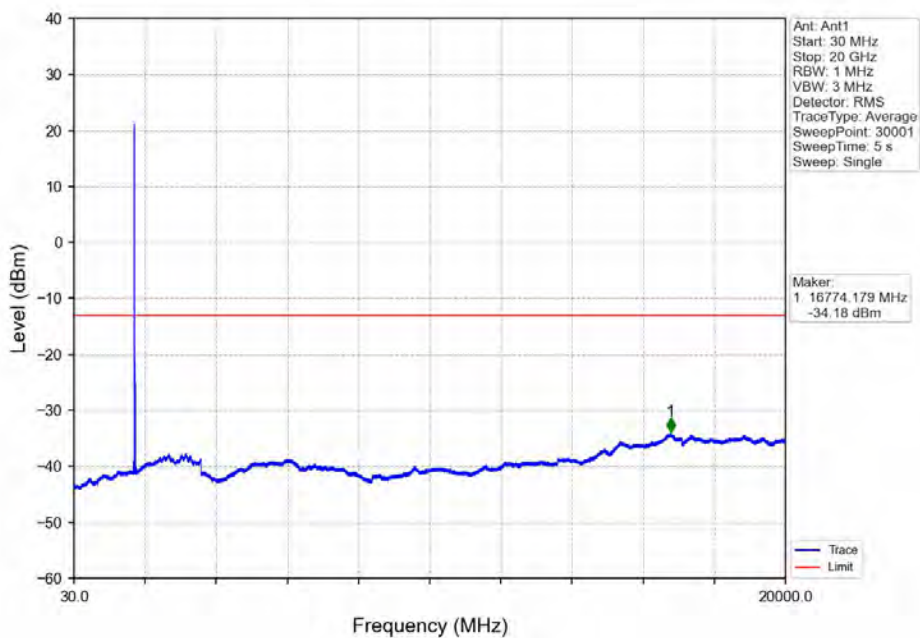
Band4_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



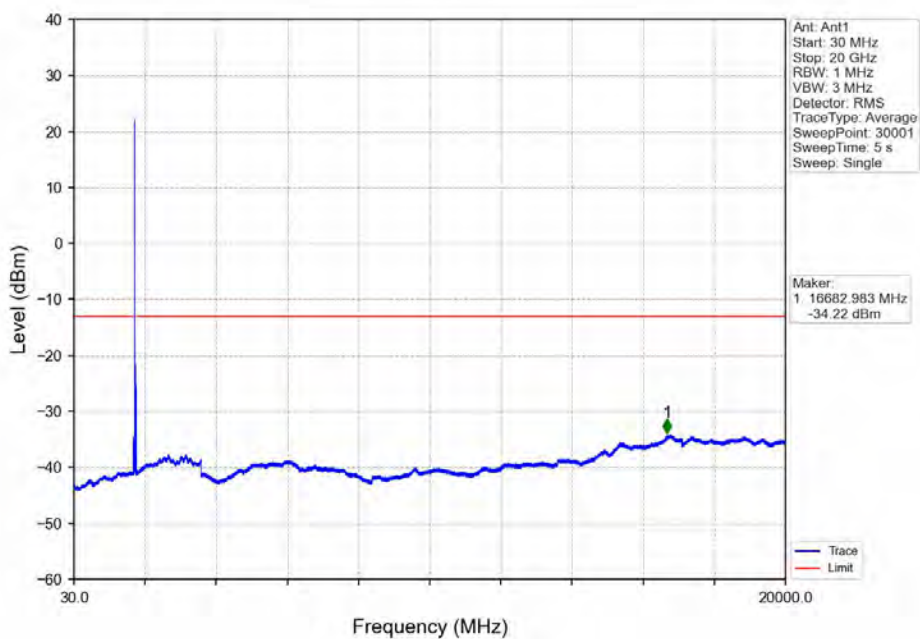
Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



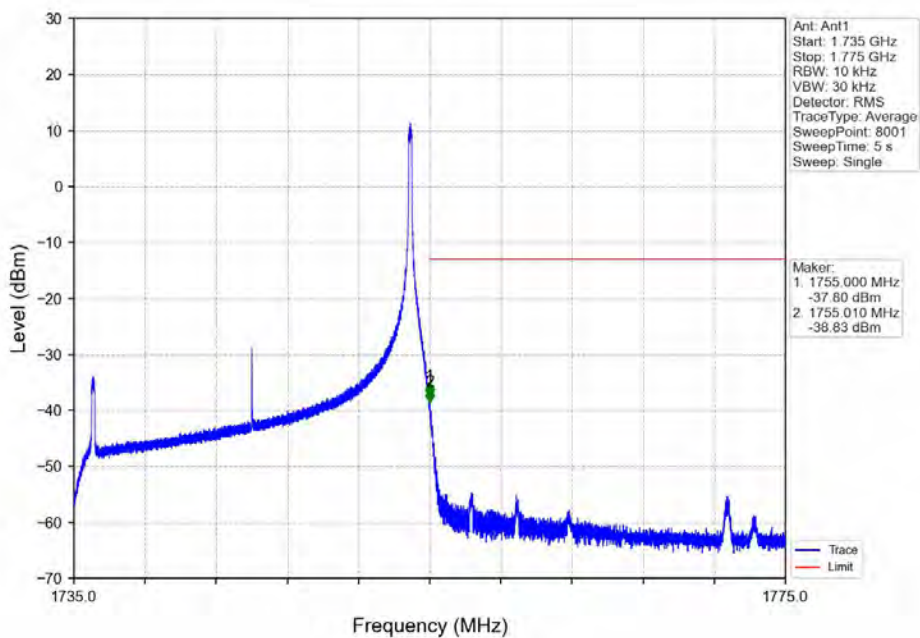
Band4_20MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV

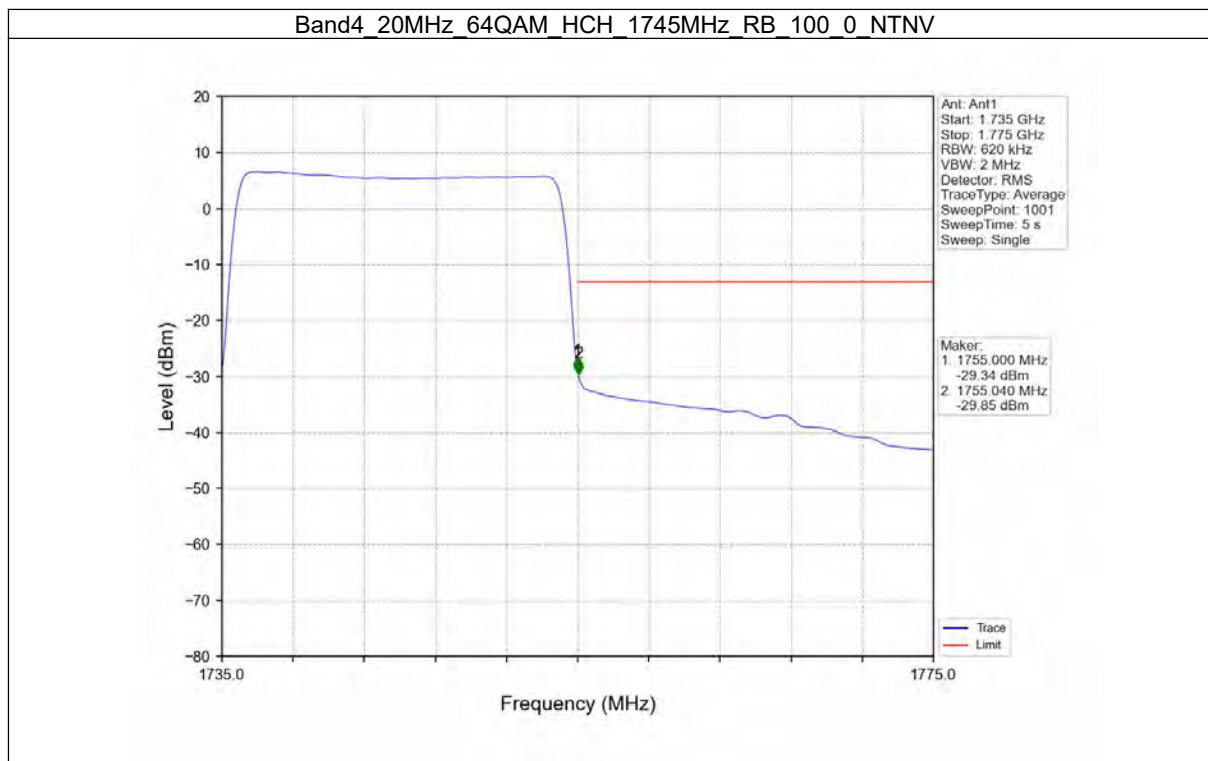


Band4_20MHz_64QAM_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_64QAM_HCH_1745MHz_RB_1_99_NTNV





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	-27.71	-0.01	-2.5 to 2.5	Pass
					3.85	-34.20	-0.01	-2.5 to 2.5	Pass
					4.43	14.11	0.01	-2.5 to 2.5	Pass
				-30	3.85	-1.37	-0.00	-2.5 to 2.5	Pass
					3.85	-21.41	-0.01	-2.5 to 2.5	Pass
					3.85	-2.50	-0.00	-2.5 to 2.5	Pass
				0	3.85	-35.55	-0.01	-2.5 to 2.5	Pass
					3.85	-8.67	-0.00	-2.5 to 2.5	Pass
					3.85	-31.66	-0.01	-2.5 to 2.5	Pass
				40	3.85	-3.35	-0.00	-2.5 to 2.5	Pass
					3.85	-33.73	-0.01	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-39.38	-0.02	-2.5 to 2.5	Pass
					3.85	11.23	0.00	-2.5 to 2.5	Pass
					4.43	3.71	0.00	-2.5 to 2.5	Pass
				-30	3.85	-10.20	-0.00	-2.5 to 2.5	Pass
					3.85	-22.36	-0.01	-2.5 to 2.5	Pass
					3.85	-33.23	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.51	-0.00	-2.5 to 2.5	Pass
					3.85	-13.35	-0.01	-2.5 to 2.5	Pass
					3.85	-22.77	-0.01	-2.5 to 2.5	Pass
				40	3.85	-40.68	-0.02	-2.5 to 2.5	Pass
					3.85	-23.96	-0.01	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-30.76	-0.01	-2.5 to 2.5	Pass
					3.85	-43.90	-0.02	-2.5 to 2.5	Pass
					4.43	-31.90	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-44.67	-0.02	-2.5 to 2.5	Pass
					3.85	-5.32	-0.00	-2.5 to 2.5	Pass
					3.85	-28.48	-0.01	-2.5 to 2.5	Pass
				0	3.85	-22.47	-0.01	-2.5 to 2.5	Pass
					3.85	-17.98	-0.01	-2.5 to 2.5	Pass
					3.85	-19.91	-0.01	-2.5 to 2.5	Pass
				40	3.85	-3.85	-0.00	-2.5 to 2.5	Pass
					3.85	-38.40	-0.01	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.27	-42.49	-0.02	-2.5 to 2.5	Pass
					3.85	-14.15	-0.01	-2.5 to 2.5	Pass
					4.43	-43.22	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-30.10	-0.01	-2.5 to 2.5	Pass
					3.85	-42.00	-0.02	-2.5 to 2.5	Pass
					3.85	2.05	0.00	-2.5 to 2.5	Pass
				0	3.85	-7.41	-0.00	-2.5 to 2.5	Pass
					3.85	-24.98	-0.01	-2.5 to 2.5	Pass
					3.85	2.33	0.00	-2.5 to 2.5	Pass
				40	3.85	-8.93	-0.00	-2.5 to 2.5	Pass
					3.85	-28.80	-0.01	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-27.34	-0.01	-2.5 to 2.5	Pass
					3.85	-38.25	-0.02	-2.5 to 2.5	Pass
					4.43	-42.67	-0.02	-2.5 to 2.5	Pass
				-30	3.85	10.93	0.00	-2.5 to 2.5	Pass
					3.85	5.65	0.00	-2.5 to 2.5	Pass
					3.85	6.92	0.00	-2.5 to 2.5	Pass
				0	3.85	6.64	0.00	-2.5 to 2.5	Pass
					3.85	9.05	0.00	-2.5 to 2.5	Pass
					3.85	6.27	0.00	-2.5 to 2.5	Pass
				40	3.85	8.61	0.00	-2.5 to 2.5	Pass

	2567.5	25	0	50	3.85	8.87	0.00	-2.5 to 2.5	Pass
				20	3.27	-33.29	-0.01	-2.5 to 2.5	Pass
					3.85	1.40	0.00	-2.5 to 2.5	Pass
					4.43	-20.24	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-38.12	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-17.27	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-29.91	-0.01	-2.5 to 2.5	Pass
				0	3.85	-38.34	-0.01	-2.5 to 2.5	Pass
				10	3.85	12.13	0.00	-2.5 to 2.5	Pass
				30	3.85	1.43	0.00	-2.5 to 2.5	Pass
64QAM	2502.5	25	0	40	3.85	-11.00	-0.00	-2.5 to 2.5	Pass
				50	3.85	-21.56	-0.01	-2.5 to 2.5	Pass
				20	3.27	-32.22	-0.01	-2.5 to 2.5	Pass
					3.85	-35.48	-0.01	-2.5 to 2.5	Pass
					4.43	-36.45	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-42.03	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-13.60	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-9.91	-0.00	-2.5 to 2.5	Pass
				0	3.85	-12.88	-0.01	-2.5 to 2.5	Pass
				10	3.85	-18.55	-0.01	-2.5 to 2.5	Pass
	2535	25	0	30	3.85	-17.95	-0.01	-2.5 to 2.5	Pass
				40	3.85	-18.65	-0.01	-2.5 to 2.5	Pass
				50	3.85	-18.11	-0.01	-2.5 to 2.5	Pass
				20	3.27	16.57	0.01	-2.5 to 2.5	Pass
					3.85	24.89	0.01	-2.5 to 2.5	Pass
					4.43	35.93	0.01	-2.5 to 2.5	Pass
				-30	3.85	35.75	0.01	-2.5 to 2.5	Pass
				-20	3.85	41.41	0.02	-2.5 to 2.5	Pass
				-10	3.85	-15.82	-0.01	-2.5 to 2.5	Pass
				0	3.85	-8.24	-0.00	-2.5 to 2.5	Pass
	2567.5	25	0	10	3.85	4.26	0.00	-2.5 to 2.5	Pass
				30	3.85	10.37	0.00	-2.5 to 2.5	Pass
				40	3.85	20.10	0.01	-2.5 to 2.5	Pass
				50	3.85	26.95	0.01	-2.5 to 2.5	Pass
				20	3.27	-23.10	-0.01	-2.5 to 2.5	Pass
					3.85	-25.22	-0.01	-2.5 to 2.5	Pass
					4.43	-25.99	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-32.37	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-30.16	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-28.60	-0.01	-2.5 to 2.5	Pass
				0	3.85	-28.09	-0.01	-2.5 to 2.5	Pass
				10	3.85	-30.87	-0.01	-2.5 to 2.5	Pass
				30	3.85	-25.45	-0.01	-2.5 to 2.5	Pass
				40	3.85	-26.41	-0.01	-2.5 to 2.5	Pass
				50	3.85	-17.85	-0.01	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100018-2RF06

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	-6.39	-0.00	-2.5 to 2.5	Pass
					3.85	-19.36	-0.01	-2.5 to 2.5	Pass
					4.43	-27.07	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-30.01	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-42.86	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-11.60	-0.00	-2.5 to 2.5	Pass
				0	3.85	-36.88	-0.01	-2.5 to 2.5	Pass
				10	3.85	-33.19	-0.01	-2.5 to 2.5	Pass
				30	3.85	-3.40	-0.00	-2.5 to 2.5	Pass
				40	3.85	-30.47	-0.01	-2.5 to 2.5	Pass
				50	3.85	-4.88	-0.00	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-21.64	-0.01	-2.5 to 2.5	Pass
					3.85	-22.50	-0.01	-2.5 to 2.5	Pass
					4.43	-27.72	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-37.11	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-47.52	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-11.79	-0.00	-2.5 to 2.5	Pass
				0	3.85	1.04	0.00	-2.5 to 2.5	Pass
				10	3.85	-4.75	-0.00	-2.5 to 2.5	Pass
				30	3.85	-11.36	-0.00	-2.5 to 2.5	Pass
				40	3.85	-42.77	-0.02	-2.5 to 2.5	Pass
				50	3.85	-31.03	-0.01	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-8.63	-0.00	-2.5 to 2.5	Pass
					3.85	-26.06	-0.01	-2.5 to 2.5	Pass
					4.43	-39.07	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-7.21	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-41.31	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-31.34	-0.01	-2.5 to 2.5	Pass
				0	3.85	-36.72	-0.01	-2.5 to 2.5	Pass
				10	3.85	-51.61	-0.02	-2.5 to 2.5	Pass
				30	3.85	-28.05	-0.01	-2.5 to 2.5	Pass
				40	3.85	-11.99	-0.00	-2.5 to 2.5	Pass
				50	3.85	-41.67	-0.02	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.27	-23.27	-0.01	-2.5 to 2.5	Pass
					3.85	-4.49	-0.00	-2.5 to 2.5	Pass
					4.43	-9.53	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-5.98	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-8.25	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-10.46	-0.00	-2.5 to 2.5	Pass
				0	3.85	-7.75	-0.00	-2.5 to 2.5	Pass
				10	3.85	-5.22	-0.00	-2.5 to 2.5	Pass
				30	3.85	-7.11	-0.00	-2.5 to 2.5	Pass
				40	3.85	-2.98	-0.00	-2.5 to 2.5	Pass
				50	3.85	6.82	0.00	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-41.26	-0.02	-2.5 to 2.5	Pass
					3.85	-38.40	-0.02	-2.5 to 2.5	Pass
					4.43	-37.22	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-24.98	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-18.04	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-16.99	-0.01	-2.5 to 2.5	Pass
				0	3.85	-9.71	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.95	-0.00	-2.5 to 2.5	Pass
				30	3.85	2.82	0.00	-2.5 to 2.5	Pass
				40	3.85	19.98	0.01	-2.5 to 2.5	Pass
				50	3.85	26.14	0.01	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-14.30	-0.01	-2.5 to 2.5	Pass
					3.85	-36.61	-0.01	-2.5 to 2.5	Pass

64QAM	2505	50	0		4.43	-37.37	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-23.70	-0.01	-2.5 to 2.5	Pass
				-20	3.85	14.35	0.01	-2.5 to 2.5	Pass
				-10	3.85	9.80	0.00	-2.5 to 2.5	Pass
				0	3.85	-0.17	-0.00	-2.5 to 2.5	Pass
				10	3.85	4.12	0.00	-2.5 to 2.5	Pass
				30	3.85	6.48	0.00	-2.5 to 2.5	Pass
				40	3.85	10.50	0.00	-2.5 to 2.5	Pass
				50	3.85	16.18	0.01	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	9.00	0.00	-2.5 to 2.5	Pass
					3.85	13.69	0.01	-2.5 to 2.5	Pass
					4.43	21.99	0.01	-2.5 to 2.5	Pass
				-30	3.85	25.96	0.01	-2.5 to 2.5	Pass
				-20	3.85	30.83	0.01	-2.5 to 2.5	Pass
				-10	3.85	28.40	0.01	-2.5 to 2.5	Pass
				0	3.85	5.38	0.00	-2.5 to 2.5	Pass
				10	3.85	24.89	0.01	-2.5 to 2.5	Pass
				30	3.85	23.42	0.01	-2.5 to 2.5	Pass
				40	3.85	18.31	0.01	-2.5 to 2.5	Pass
				50	3.85	30.89	0.01	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	35.28	0.01	-2.5 to 2.5	Pass
					3.85	37.95	0.01	-2.5 to 2.5	Pass
					4.43	-10.63	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-3.73	-0.00	-2.5 to 2.5	Pass
				-20	3.85	9.44	0.00	-2.5 to 2.5	Pass
				-10	3.85	27.58	0.01	-2.5 to 2.5	Pass
				0	3.85	8.27	0.00	-2.5 to 2.5	Pass
				10	3.85	19.18	0.01	-2.5 to 2.5	Pass
				30	3.85	24.08	0.01	-2.5 to 2.5	Pass
				40	3.85	5.55	0.00	-2.5 to 2.5	Pass
				50	3.85	8.74	0.00	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	28.90	0.01	-2.5 to 2.5	Pass
					3.85	30.68	0.01	-2.5 to 2.5	Pass
					4.43	41.46	0.02	-2.5 to 2.5	Pass
				-30	3.85	-4.58	-0.00	-2.5 to 2.5	Pass
				-20	3.85	5.78	0.00	-2.5 to 2.5	Pass
				-10	3.85	20.30	0.01	-2.5 to 2.5	Pass
				0	3.85	28.64	0.01	-2.5 to 2.5	Pass
				10	3.85	37.27	0.01	-2.5 to 2.5	Pass
				30	3.85	27.88	0.01	-2.5 to 2.5	Pass
				40	3.85	20.91	0.01	-2.5 to 2.5	Pass
				50	3.85	3.73	0.00	-2.5 to 2.5	Pass

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	-8.12	-0.00	-2.5 to 2.5	Pass
					3.85	-18.10	-0.01	-2.5 to 2.5	Pass
					4.43	-33.95	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-18.18	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-25.82	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-19.63	-0.01	-2.5 to 2.5	Pass
				0	3.85	-17.97	-0.01	-2.5 to 2.5	Pass
				10	3.85	-20.80	-0.01	-2.5 to 2.5	Pass
				30	3.85	-30.74	-0.01	-2.5 to 2.5	Pass
				40	3.85	-36.86	-0.01	-2.5 to 2.5	Pass
				50	3.85	7.05	0.00	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-12.76	-0.01	-2.5 to 2.5	Pass
					3.85	-26.28	-0.01	-2.5 to 2.5	Pass
					4.43	-30.51	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-38.12	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-11.24	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-20.99	-0.01	-2.5 to 2.5	Pass
				0	3.85	-35.62	-0.01	-2.5 to 2.5	Pass
				10	3.85	4.71	0.00	-2.5 to 2.5	Pass
				30	3.85	-7.81	-0.00	-2.5 to 2.5	Pass
				40	3.85	-16.64	-0.01	-2.5 to 2.5	Pass
				50	3.85	-18.57	-0.01	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-22.82	-0.01	-2.5 to 2.5	Pass
					3.85	-37.84	-0.01	-2.5 to 2.5	Pass
					4.43	-11.76	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-33.89	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-36.88	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-45.88	-0.02	-2.5 to 2.5	Pass
				0	3.85	-4.85	-0.00	-2.5 to 2.5	Pass
				10	3.85	-32.57	-0.01	-2.5 to 2.5	Pass
				30	3.85	-44.83	-0.02	-2.5 to 2.5	Pass
				40	3.85	-31.89	-0.01	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	-18.75	-0.01	-2.5 to 2.5	Pass
					3.85	-31.80	-0.01	-2.5 to 2.5	Pass
					4.43	1.65	0.00	-2.5 to 2.5	Pass
				-30	3.85	-10.20	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-12.85	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-19.34	-0.01	-2.5 to 2.5	Pass
				0	3.85	-19.74	-0.01	-2.5 to 2.5	Pass
				10	3.85	-19.88	-0.01	-2.5 to 2.5	Pass
				30	3.85	-21.29	-0.01	-2.5 to 2.5	Pass
				40	3.85	-22.90	-0.01	-2.5 to 2.5	Pass
				50	3.85	-17.44	-0.01	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-27.04	-0.01	-2.5 to 2.5	Pass
					3.85	-33.37	-0.01	-2.5 to 2.5	Pass
					4.43	-30.60	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-30.16	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-25.75	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-18.21	-0.01	-2.5 to 2.5	Pass
				0	3.85	-10.00	-0.00	-2.5 to 2.5	Pass
				10	3.85	1.92	0.00	-2.5 to 2.5	Pass
				30	3.85	-0.79	-0.00	-2.5 to 2.5	Pass
				40	3.85	4.91	0.00	-2.5 to 2.5	Pass
				50	3.85	4.03	0.00	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-36.05	-0.01	-2.5 to 2.5	Pass
					3.85	0.94	0.00	-2.5 to 2.5	Pass

64QAM	2507.5	75	0		4.43	-0.01	0.00	-2.5 to 2.5	Pass
				-30	3.85	-12.69	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-18.45	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-13.58	-0.01	-2.5 to 2.5	Pass
				0	3.85	-18.68	-0.01	-2.5 to 2.5	Pass
				10	3.85	-19.34	-0.01	-2.5 to 2.5	Pass
				30	3.85	-16.68	-0.01	-2.5 to 2.5	Pass
				40	3.85	-13.65	-0.01	-2.5 to 2.5	Pass
				50	3.85	-10.74	-0.00	-2.5 to 2.5	Pass
				20	3.27	-18.37	-0.01	-2.5 to 2.5	Pass
					3.85	-18.93	-0.01	-2.5 to 2.5	Pass
					4.43	-11.67	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-3.73	-0.00	-2.5 to 2.5	Pass
				-20	3.85	3.89	0.00	-2.5 to 2.5	Pass
				-10	3.85	16.46	0.01	-2.5 to 2.5	Pass
				0	3.85	19.75	0.01	-2.5 to 2.5	Pass
				10	3.85	33.16	0.01	-2.5 to 2.5	Pass
				30	3.85	31.61	0.01	-2.5 to 2.5	Pass
				40	3.85	-2.62	-0.00	-2.5 to 2.5	Pass
				50	3.85	5.54	0.00	-2.5 to 2.5	Pass
64QAM	2535	75	0	20	3.27	21.71	0.01	-2.5 to 2.5	Pass
					3.85	21.63	0.01	-2.5 to 2.5	Pass
					4.43	2.48	0.00	-2.5 to 2.5	Pass
				-30	3.85	12.46	0.00	-2.5 to 2.5	Pass
				-20	3.85	35.28	0.01	-2.5 to 2.5	Pass
				-10	3.85	33.46	0.01	-2.5 to 2.5	Pass
				0	3.85	26.02	0.01	-2.5 to 2.5	Pass
				10	3.85	46.36	0.02	-2.5 to 2.5	Pass
				30	3.85	-3.78	-0.00	-2.5 to 2.5	Pass
				40	3.85	0.06	0.00	-2.5 to 2.5	Pass
				50	3.85	15.74	0.01	-2.5 to 2.5	Pass
				20	3.27	-2.42	-0.00	-2.5 to 2.5	Pass
					3.85	3.06	0.00	-2.5 to 2.5	Pass
					4.43	10.39	0.00	-2.5 to 2.5	Pass
				-30	3.85	24.68	0.01	-2.5 to 2.5	Pass
				-20	3.85	30.00	0.01	-2.5 to 2.5	Pass
				-10	3.85	36.84	0.01	-2.5 to 2.5	Pass
				0	3.85	10.60	0.00	-2.5 to 2.5	Pass
				10	3.85	18.55	0.01	-2.5 to 2.5	Pass
				30	3.85	27.71	0.01	-2.5 to 2.5	Pass
				40	3.85	24.55	0.01	-2.5 to 2.5	Pass
				50	3.85	-3.33	-0.00	-2.5 to 2.5	Pass



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Test Report No.: W7L-P21100018-2RF06

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	-21.04	-0.01	-2.5 to 2.5	Pass
					3.85	-8.94	-0.00	-2.5 to 2.5	Pass
					4.43	-30.11	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-14.92	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-25.36	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-17.92	-0.01	-2.5 to 2.5	Pass
				0	3.85	-0.40	-0.00	-2.5 to 2.5	Pass
				10	3.85	-30.71	-0.01	-2.5 to 2.5	Pass
				30	3.85	4.78	0.00	-2.5 to 2.5	Pass
				40	3.85	-14.29	-0.01	-2.5 to 2.5	Pass
				50	3.85	-26.12	-0.01	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-25.42	-0.01	-2.5 to 2.5	Pass
					3.85	-44.22	-0.02	-2.5 to 2.5	Pass
					4.43	-25.08	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-38.18	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-4.08	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-25.11	-0.01	-2.5 to 2.5	Pass
				0	3.85	-41.46	-0.02	-2.5 to 2.5	Pass
				10	3.85	-9.50	-0.00	-2.5 to 2.5	Pass
				30	3.85	-28.20	-0.01	-2.5 to 2.5	Pass
				40	3.85	-42.34	-0.02	-2.5 to 2.5	Pass
				50	3.85	-19.40	-0.01	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-15.46	-0.01	-2.5 to 2.5	Pass
					3.85	-35.76	-0.01	-2.5 to 2.5	Pass
					4.43	-33.83	-0.01	-2.5 to 2.5	Pass
				-30	3.85	2.75	0.00	-2.5 to 2.5	Pass
				-20	3.85	-24.06	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-22.90	-0.01	-2.5 to 2.5	Pass
				0	3.85	-6.78	-0.00	-2.5 to 2.5	Pass
				10	3.85	-31.20	-0.01	-2.5 to 2.5	Pass
				30	3.85	-40.94	-0.02	-2.5 to 2.5	Pass
				40	3.85	-39.12	-0.02	-2.5 to 2.5	Pass
				50	3.85	-9.14	-0.00	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.27	-17.62	-0.01	-2.5 to 2.5	Pass
					3.85	-32.79	-0.01	-2.5 to 2.5	Pass
					4.43	-34.08	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-32.39	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-22.97	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-3.93	-0.00	-2.5 to 2.5	Pass
				0	3.85	5.31	0.00	-2.5 to 2.5	Pass
				10	3.85	3.46	0.00	-2.5 to 2.5	Pass
				30	3.85	7.41	0.00	-2.5 to 2.5	Pass
				40	3.85	21.73	0.01	-2.5 to 2.5	Pass
				50	3.85	30.33	0.01	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-25.41	-0.01	-2.5 to 2.5	Pass
					3.85	-22.22	-0.01	-2.5 to 2.5	Pass
					4.43	-15.21	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-22.60	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-13.69	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.31	-0.00	-2.5 to 2.5	Pass
				0	3.85	6.68	0.00	-2.5 to 2.5	Pass
				10	3.85	16.69	0.01	-2.5 to 2.5	Pass
				30	3.85	18.52	0.01	-2.5 to 2.5	Pass
				40	3.85	25.86	0.01	-2.5 to 2.5	Pass
				50	3.85	9.66	0.00	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-23.57	-0.01	-2.5 to 2.5	Pass
					3.85	-30.81	-0.01	-2.5 to 2.5	Pass

					4.43	-19.75	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-14.85	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-18.44	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-10.70	-0.00	-2.5 to 2.5	Pass
				0	3.85	-4.63	-0.00	-2.5 to 2.5	Pass
				10	3.85	4.00	0.00	-2.5 to 2.5	Pass
				30	3.85	12.12	0.00	-2.5 to 2.5	Pass
				40	3.85	8.84	0.00	-2.5 to 2.5	Pass
				50	3.85	18.32	0.01	-2.5 to 2.5	Pass
64QAM	2510	100	0	20	3.27	43.93	0.02	-2.5 to 2.5	Pass
					3.85	20.03	0.01	-2.5 to 2.5	Pass
					4.43	35.75	0.01	-2.5 to 2.5	Pass
				-30	3.85	-9.83	-0.00	-2.5 to 2.5	Pass
				-20	3.85	7.05	0.00	-2.5 to 2.5	Pass
				-10	3.85	26.85	0.01	-2.5 to 2.5	Pass
				0	3.85	27.37	0.01	-2.5 to 2.5	Pass
				10	3.85	22.37	0.01	-2.5 to 2.5	Pass
				30	3.85	34.62	0.01	-2.5 to 2.5	Pass
				40	3.85	43.89	0.02	-2.5 to 2.5	Pass
				50	3.85	52.64	0.02	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	22.29	0.01	-2.5 to 2.5	Pass
					3.85	34.83	0.01	-2.5 to 2.5	Pass
					4.43	6.59	0.00	-2.5 to 2.5	Pass
				-30	3.85	16.58	0.01	-2.5 to 2.5	Pass
				-20	3.85	27.02	0.01	-2.5 to 2.5	Pass
				-10	3.85	-13.09	-0.01	-2.5 to 2.5	Pass
				0	3.85	-0.71	-0.00	-2.5 to 2.5	Pass
				10	3.85	13.55	0.01	-2.5 to 2.5	Pass
				30	3.85	28.82	0.01	-2.5 to 2.5	Pass
				40	3.85	11.56	0.00	-2.5 to 2.5	Pass
				50	3.85	28.58	0.01	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	36.25	0.01	-2.5 to 2.5	Pass
					3.85	25.96	0.01	-2.5 to 2.5	Pass
					4.43	-1.89	-0.00	-2.5 to 2.5	Pass
				-30	3.85	15.71	0.01	-2.5 to 2.5	Pass
				-20	3.85	3.93	0.00	-2.5 to 2.5	Pass
				-10	3.85	32.09	0.01	-2.5 to 2.5	Pass
				0	3.85	11.93	0.00	-2.5 to 2.5	Pass
				10	3.85	32.90	0.01	-2.5 to 2.5	Pass
				30	3.85	38.65	0.02	-2.5 to 2.5	Pass
				40	3.85	26.18	0.01	-2.5 to 2.5	Pass
				50	3.85	10.11	0.00	-2.5 to 2.5	Pass



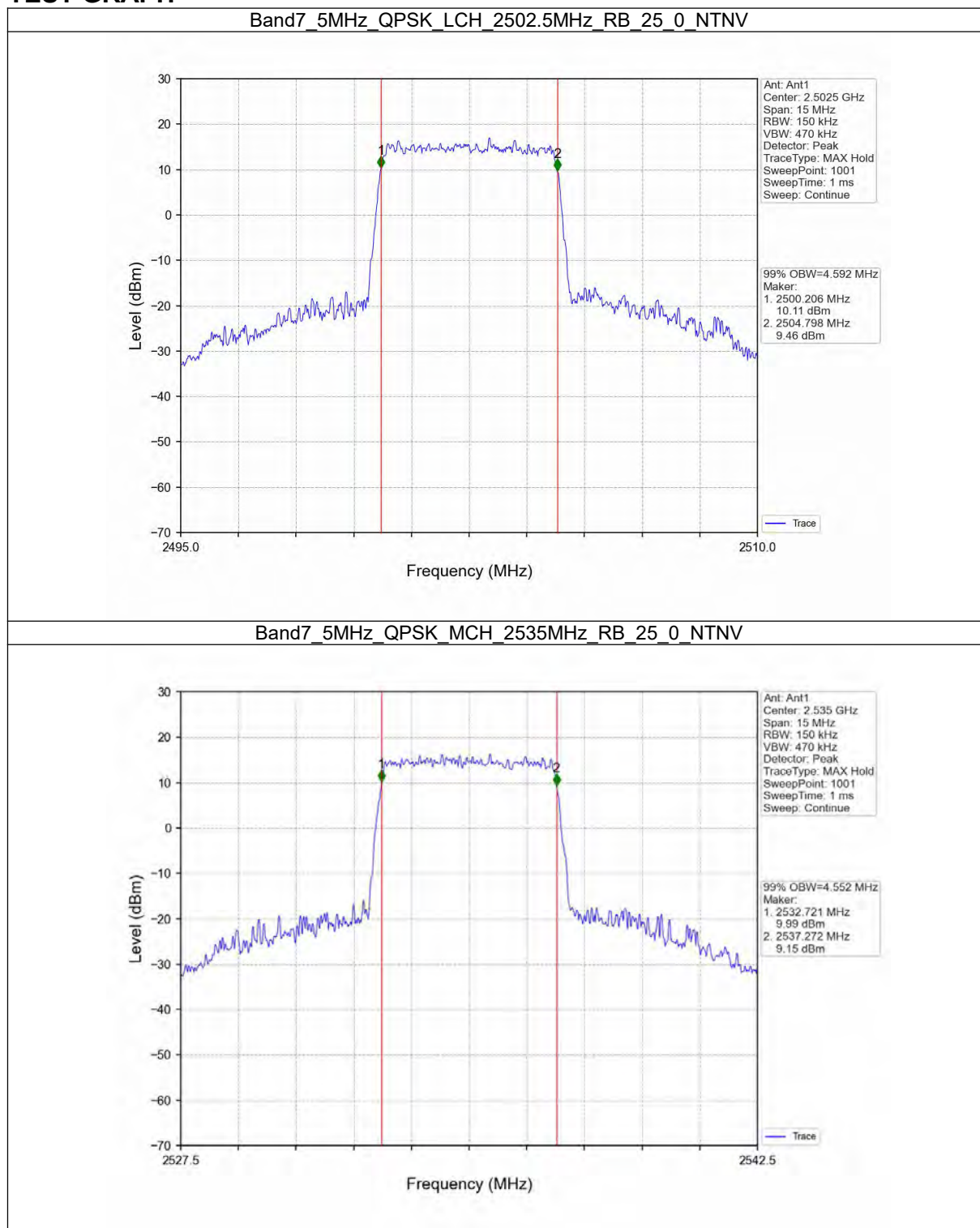
**BUREAU
VERITAS**

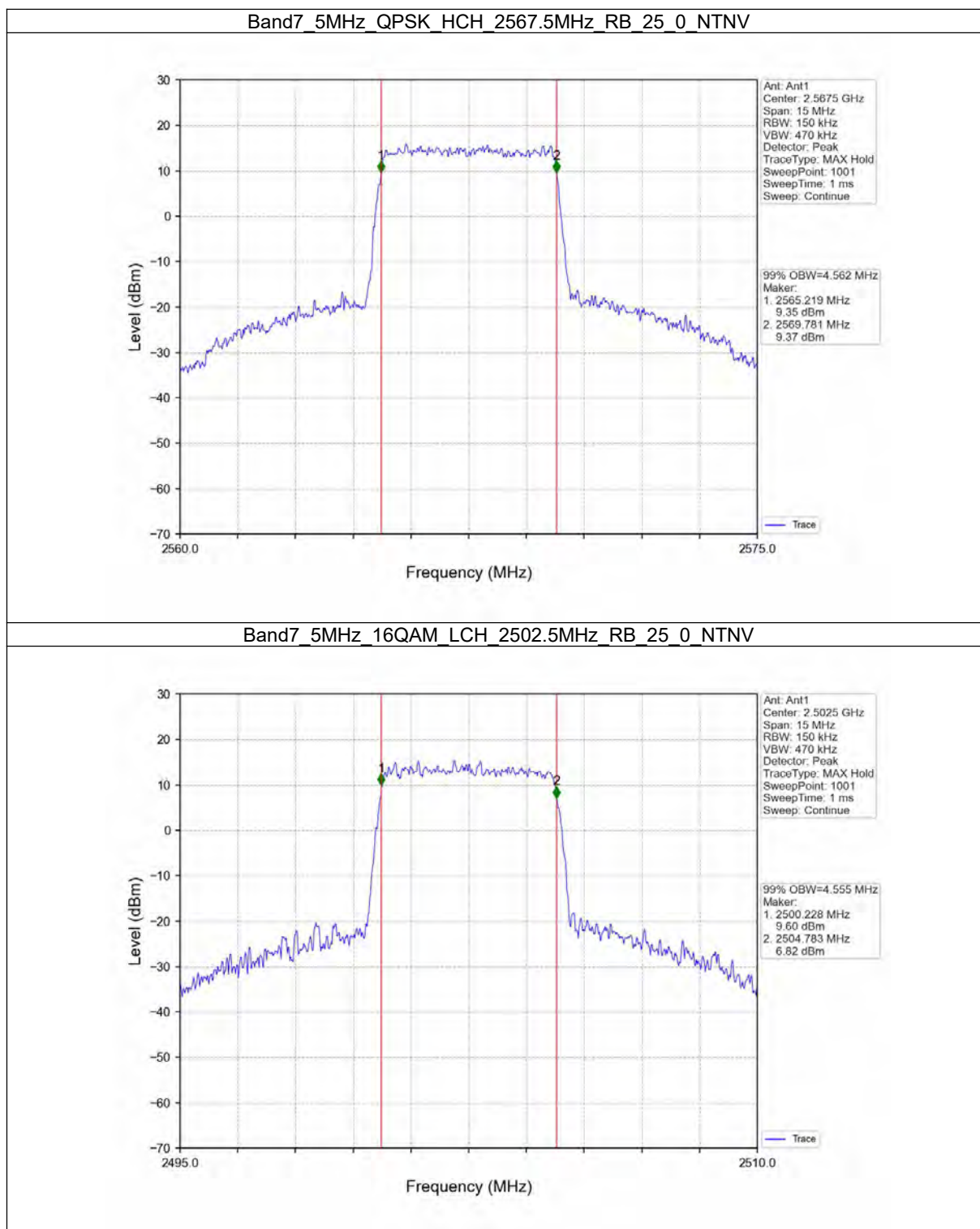
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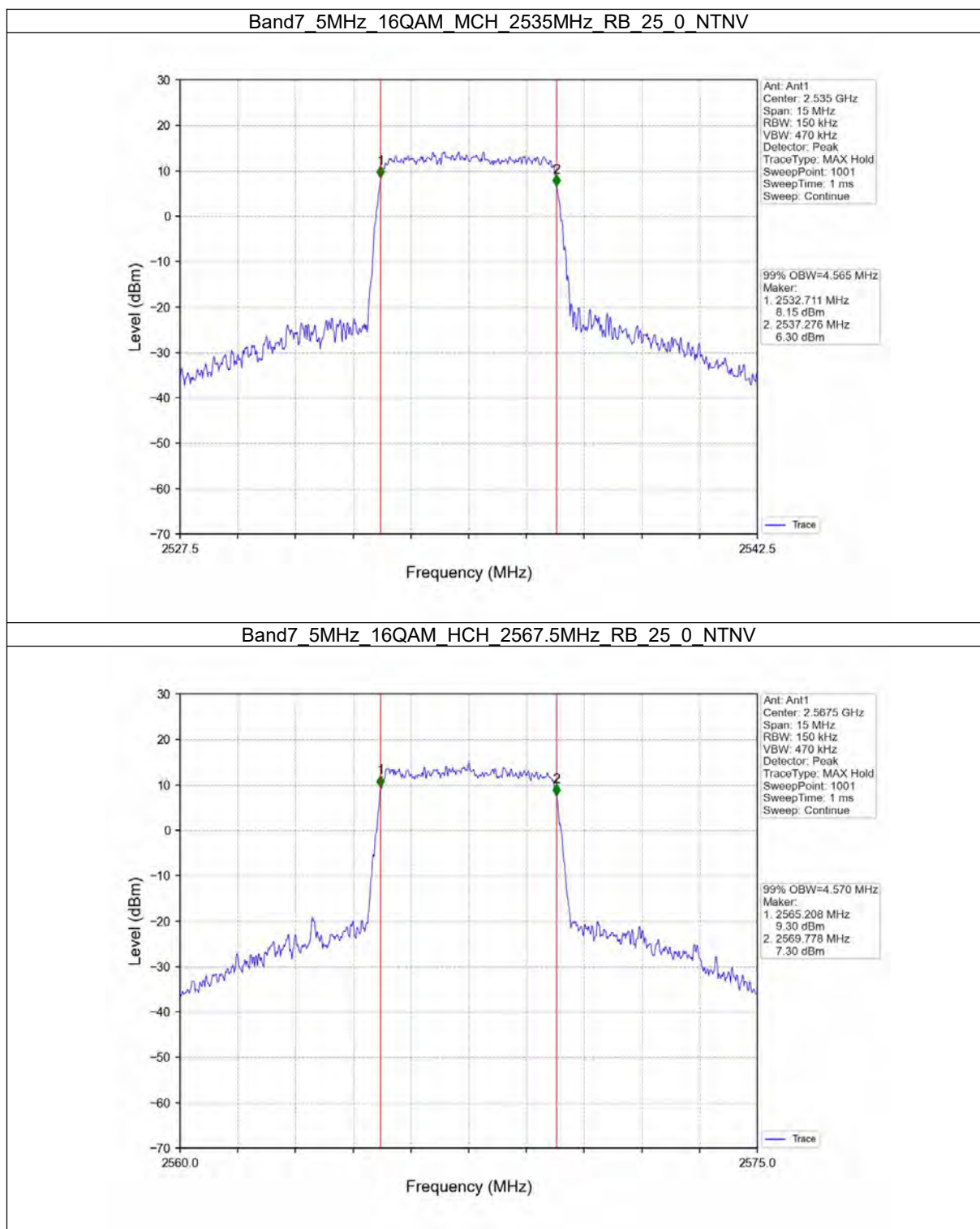
99% & 26DB BANDWIDTH 99%_OBW TEST RESULT

Band: 7 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2502.5	25	0	4.592	Pass
		2535	25	0	4.552	Pass
		2567.5	25	0	4.562	Pass
	16QAM	2502.5	25	0	4.555	Pass
		2535	25	0	4.565	Pass
		2567.5	25	0	4.570	Pass
	64QAM	2502.5	25	0	4.545	Pass
		2535	25	0	4.556	Pass
		2567.5	25	0	4.552	Pass
10	QPSK	2505	50	0	9.066	Pass
		2535	50	0	9.072	Pass
		2565	50	0	9.096	Pass
	16QAM	2505	50	0	9.084	Pass
		2535	50	0	9.073	Pass
		2565	50	0	9.090	Pass
	64QAM	2505	50	0	9.058	Pass
		2535	50	0	9.032	Pass
		2565	50	0	9.066	Pass
15	QPSK	2507.5	75	0	13.671	Pass
		2535	75	0	13.621	Pass
		2562.5	75	0	13.634	Pass
	16QAM	2507.5	75	0	13.647	Pass
		2535	75	0	13.662	Pass
		2562.5	75	0	13.660	Pass
	64QAM	2507.5	75	0	13.662	Pass
		2535	75	0	13.654	Pass
		2562.5	75	0	13.641	Pass
20	QPSK	2510	100	0	18.153	Pass
		2535	100	0	18.141	Pass
		2560	100	0	18.120	Pass
	16QAM	2510	100	0	18.182	Pass
		2535	100	0	18.168	Pass
		2560	100	0	18.149	Pass
	64QAM	2510	100	0	18.146	Pass
		2535	100	0	18.150	Pass
		2560	100	0	18.098	Pass

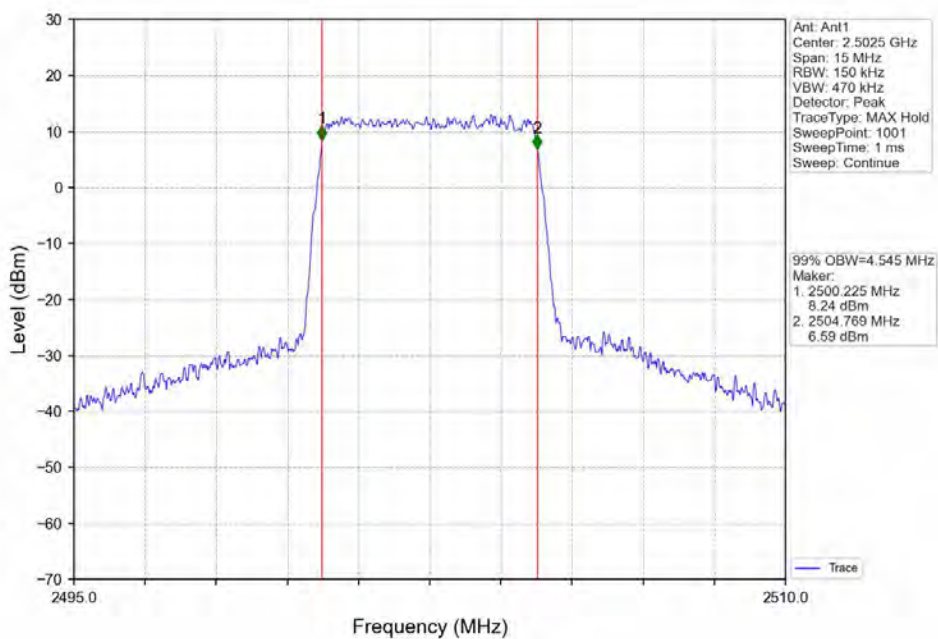
TEST GRAPH



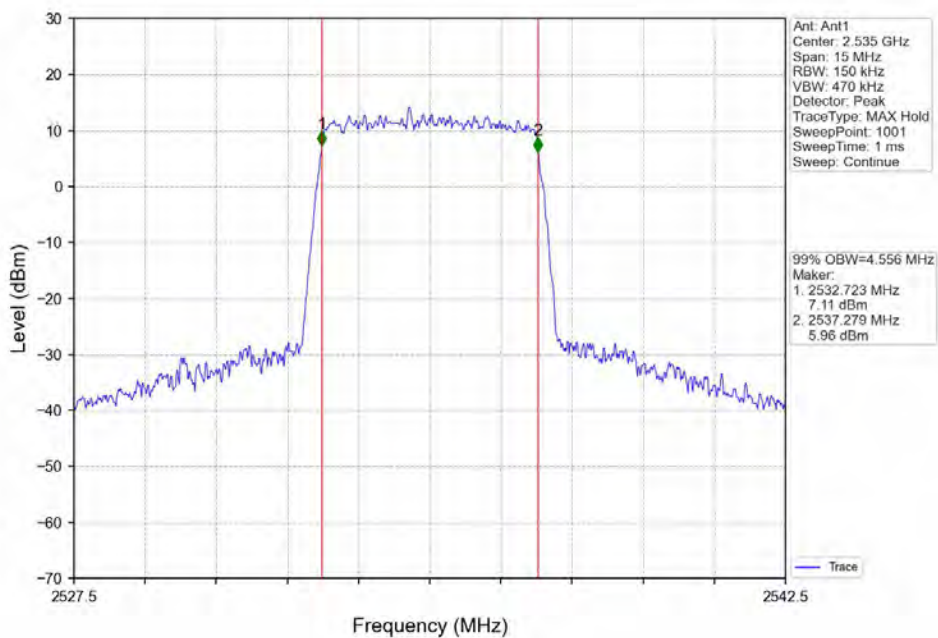




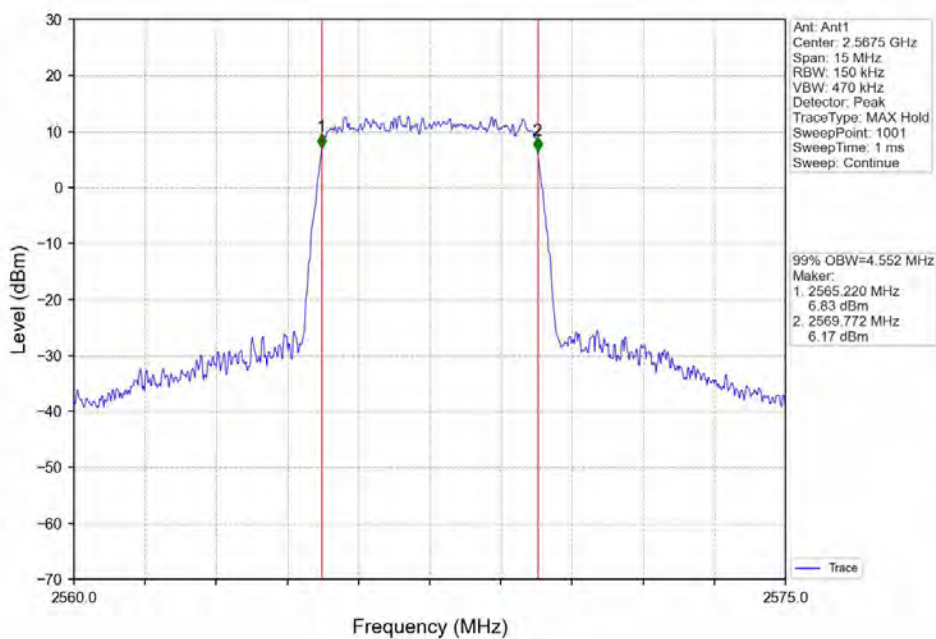
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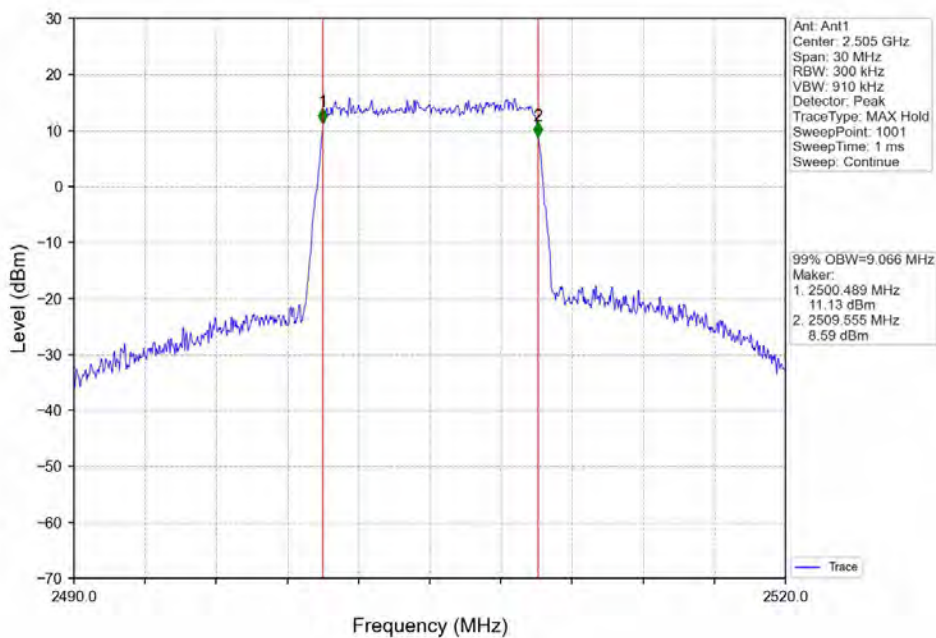
Band7_5MHz_64QAM_MCH_2535MHz_RB_25_0_NTNV

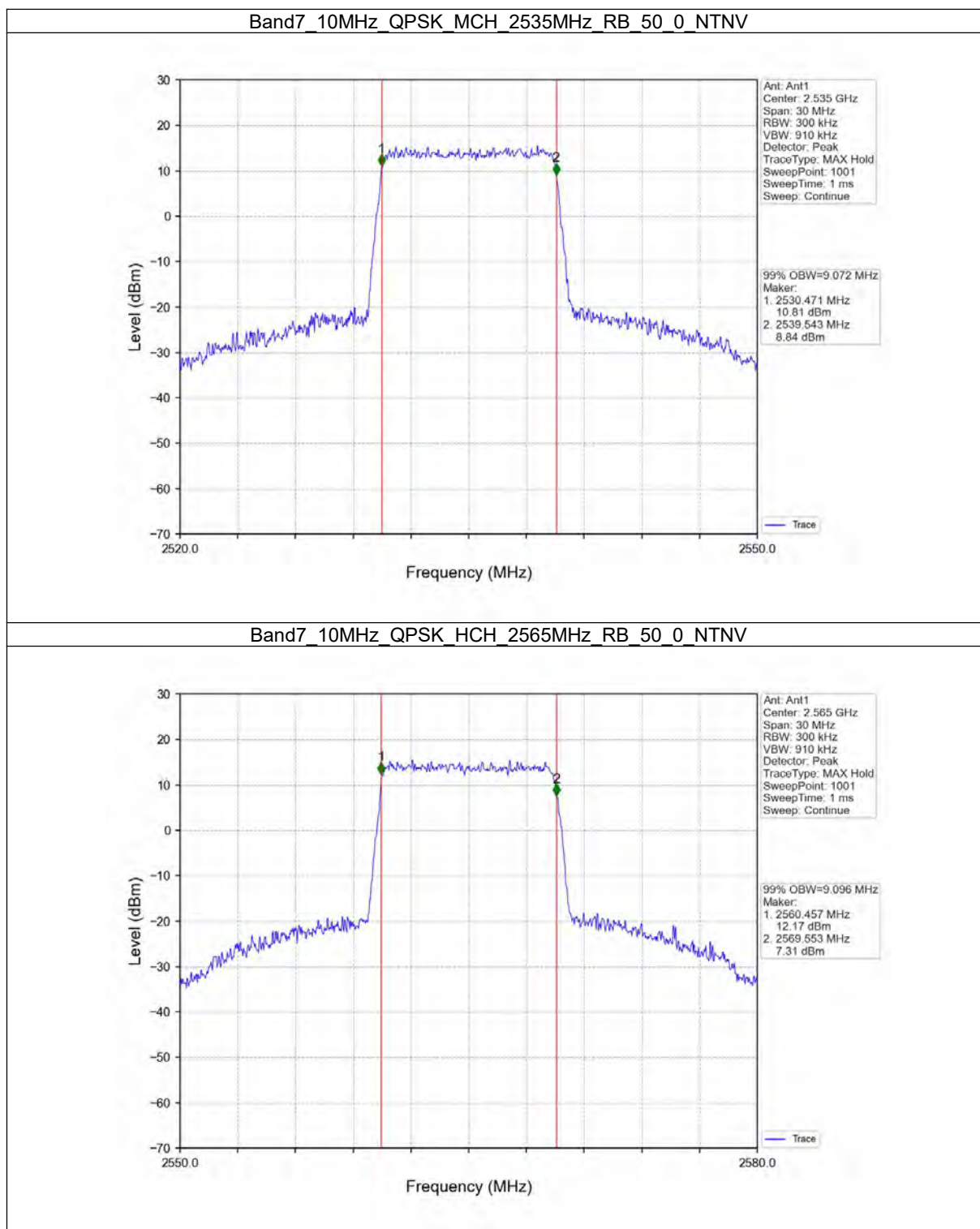


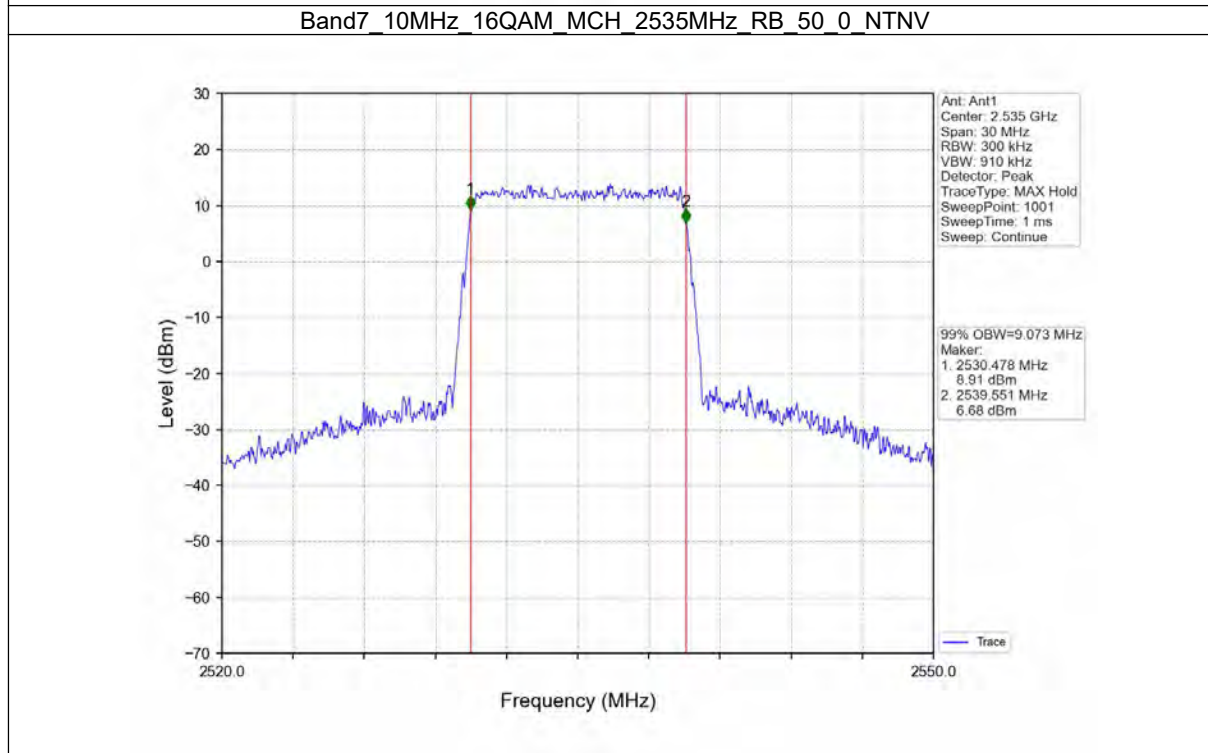
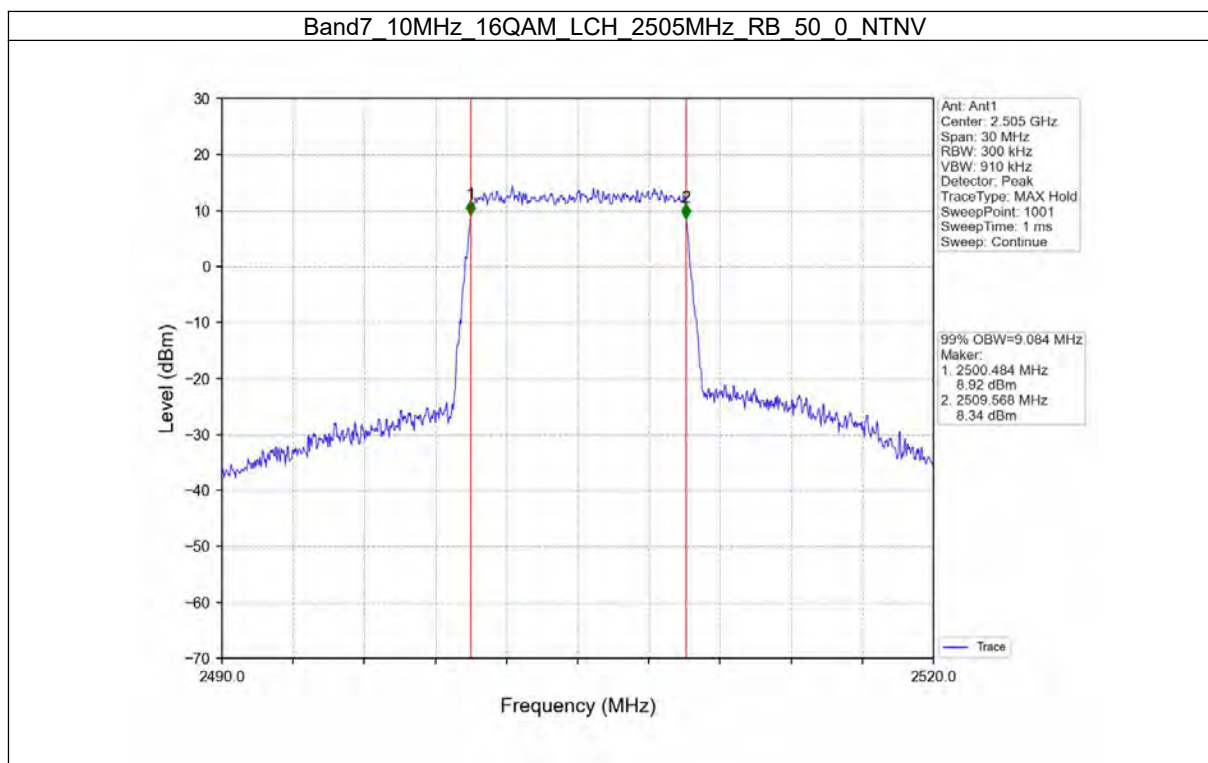
Band7_5MHz_64QAM_HCH_2567.5MHz_RB_25_0_NTNV



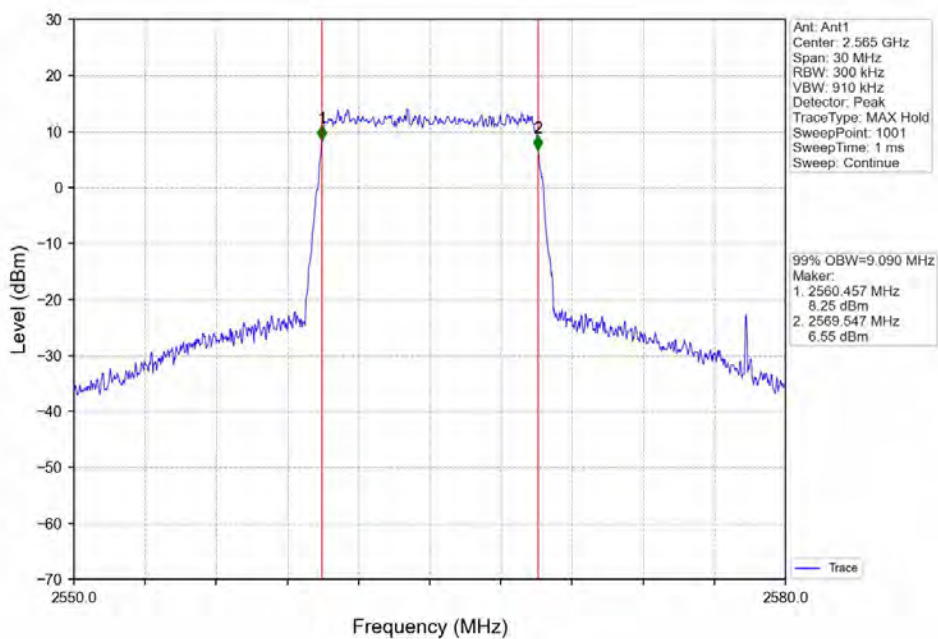
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



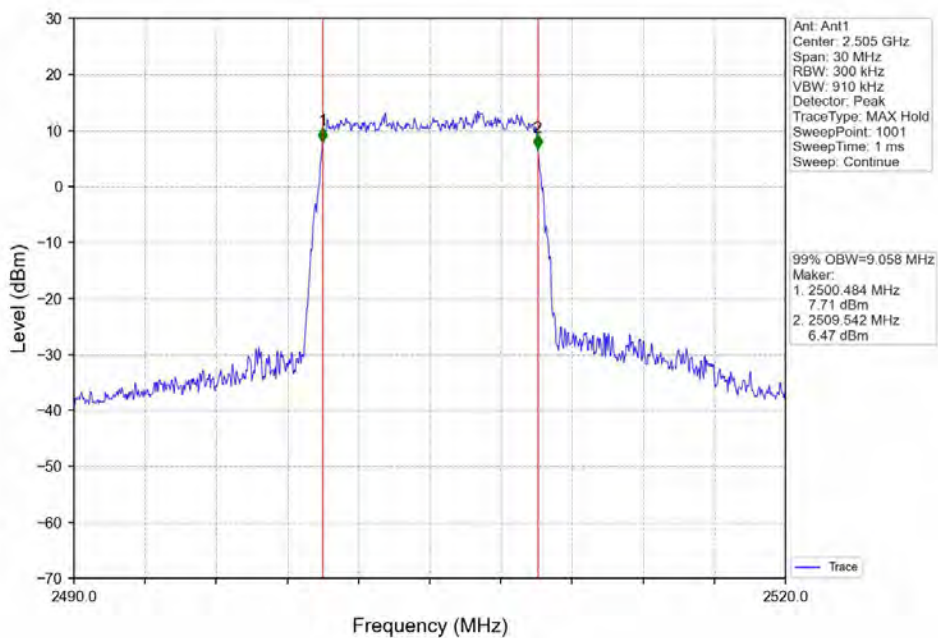




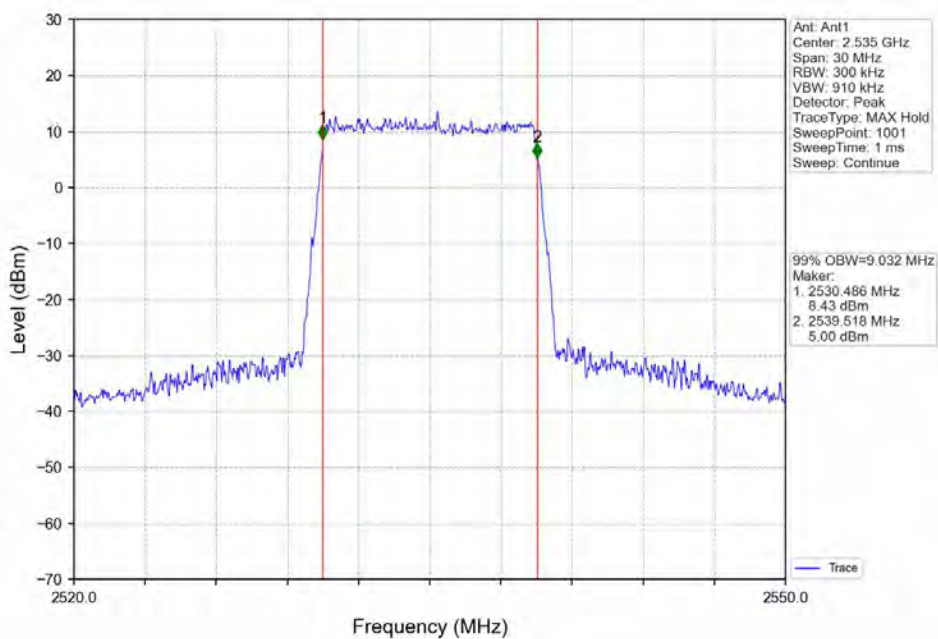
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



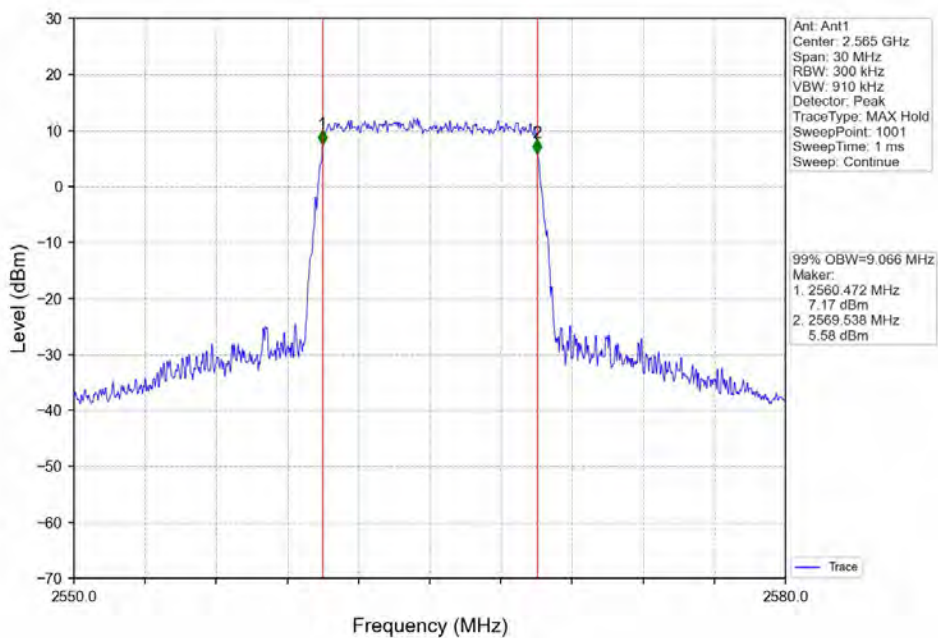
Band7_10MHz_64QAM_LCH_2505MHz_RB_50_0_NTNV



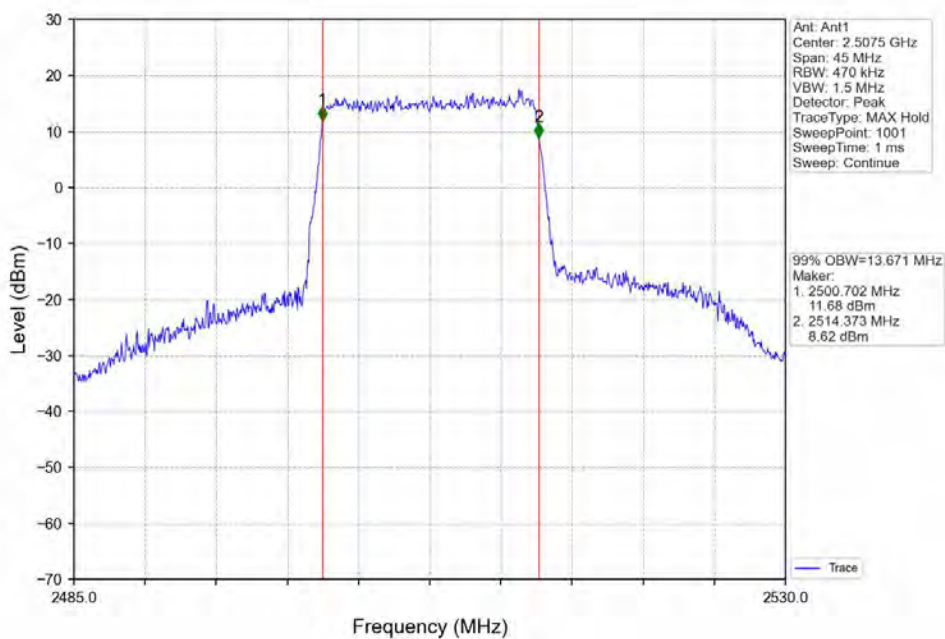
Band7_10MHz_64QAM_MCH_2535MHz_RB_50_0_NTNV



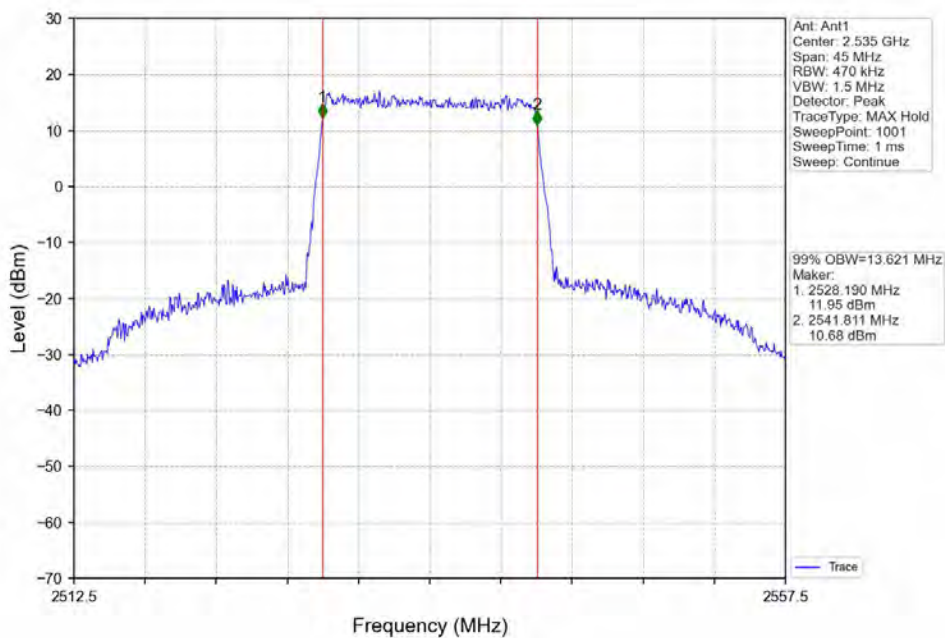
Band7_10MHz_64QAM_HCH_2565MHz_RB_50_0_NTNV



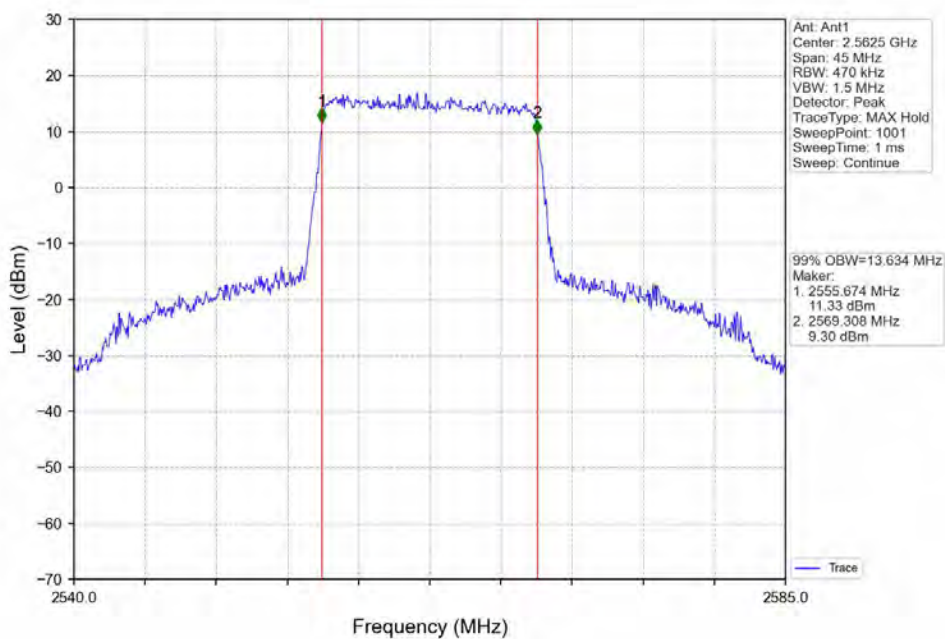
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



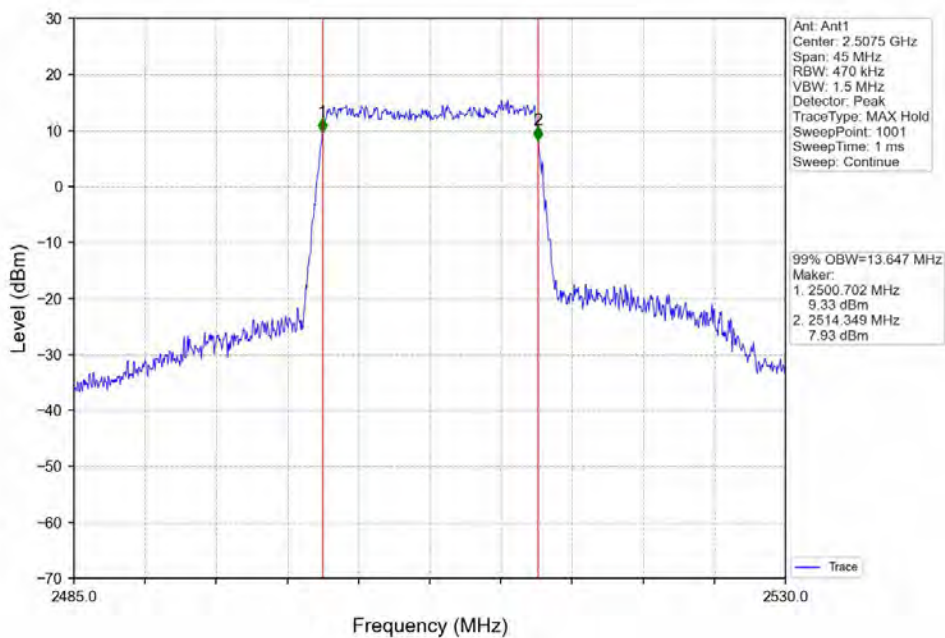
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



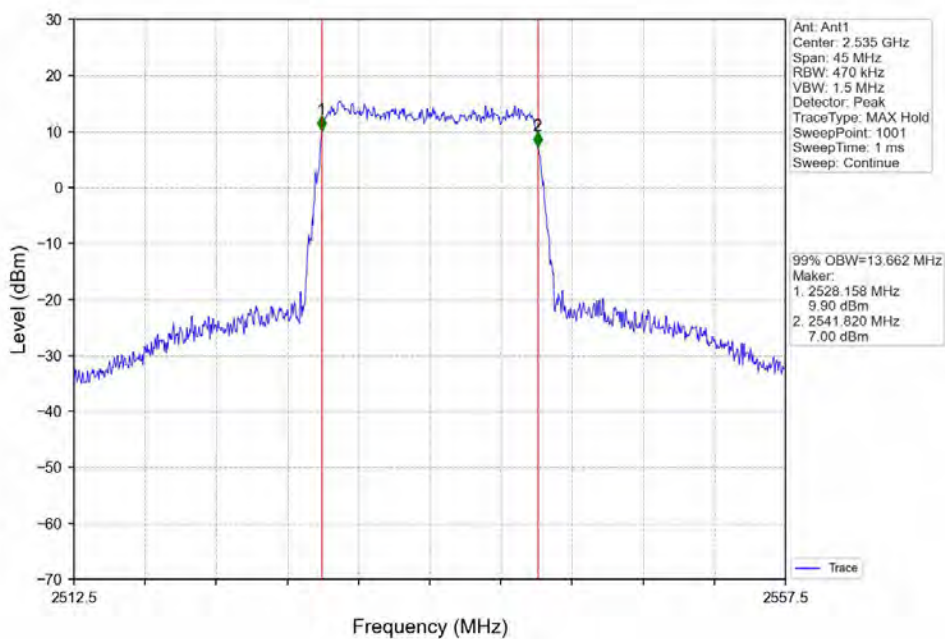
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



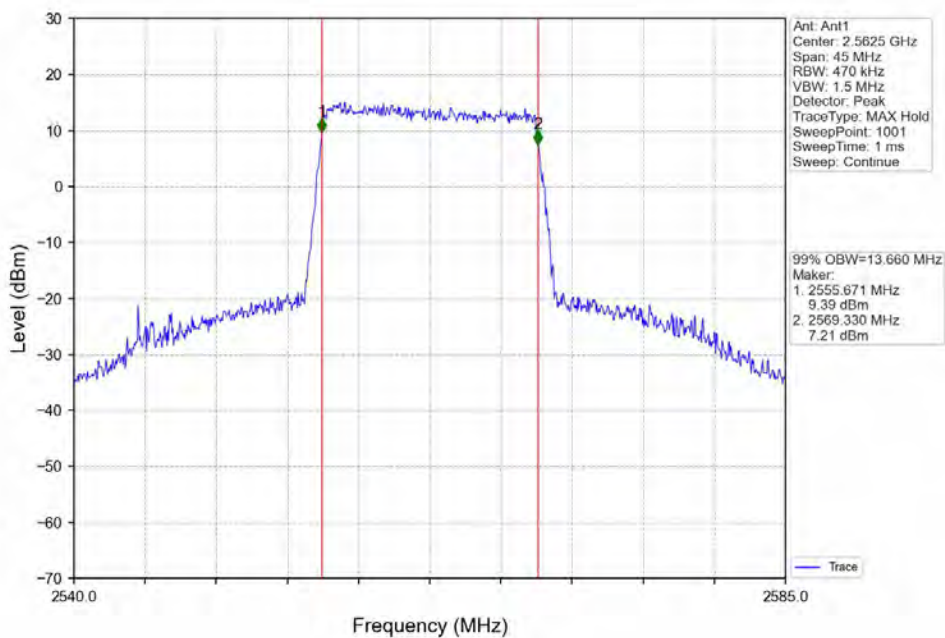
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



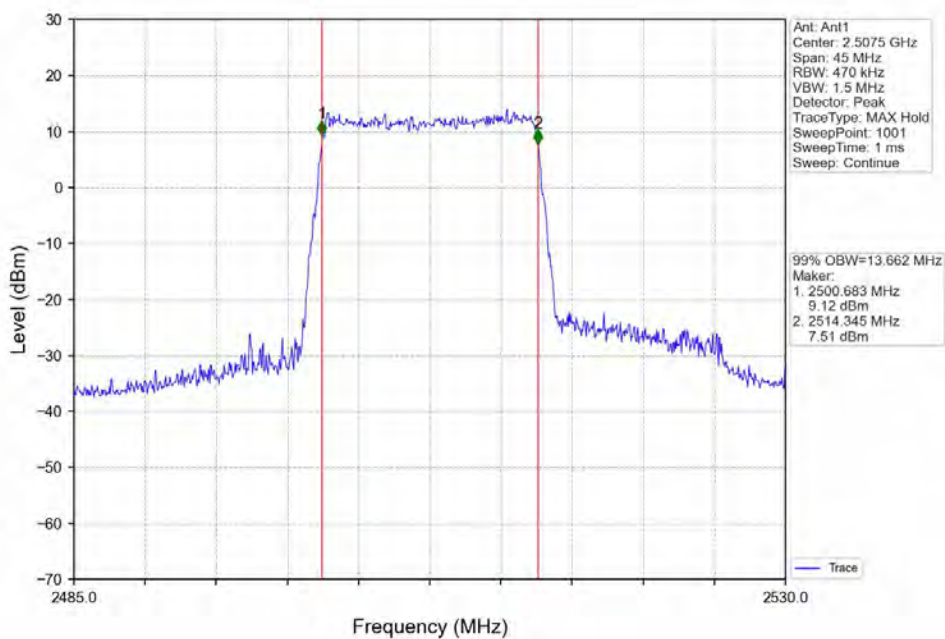
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



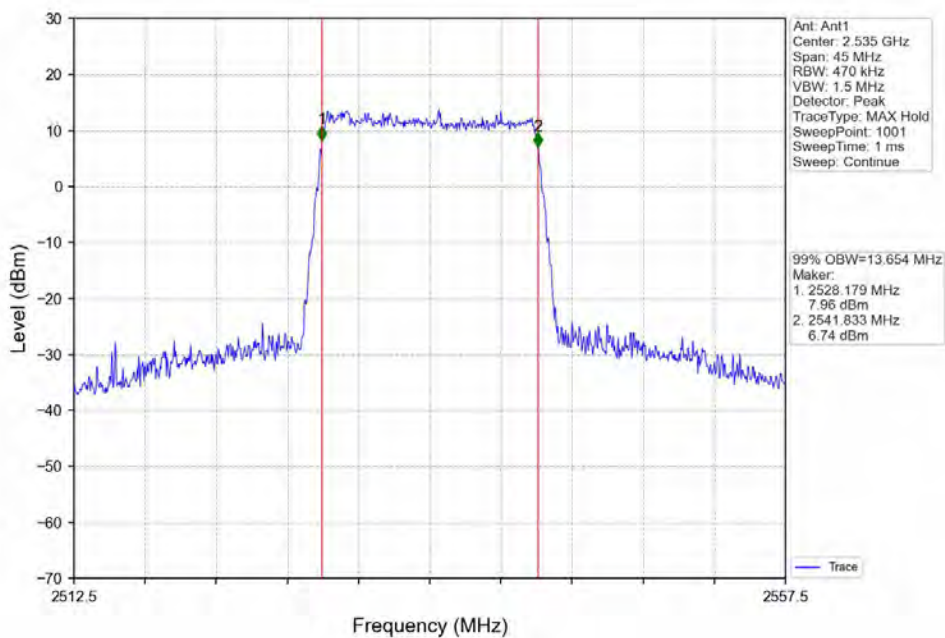
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV



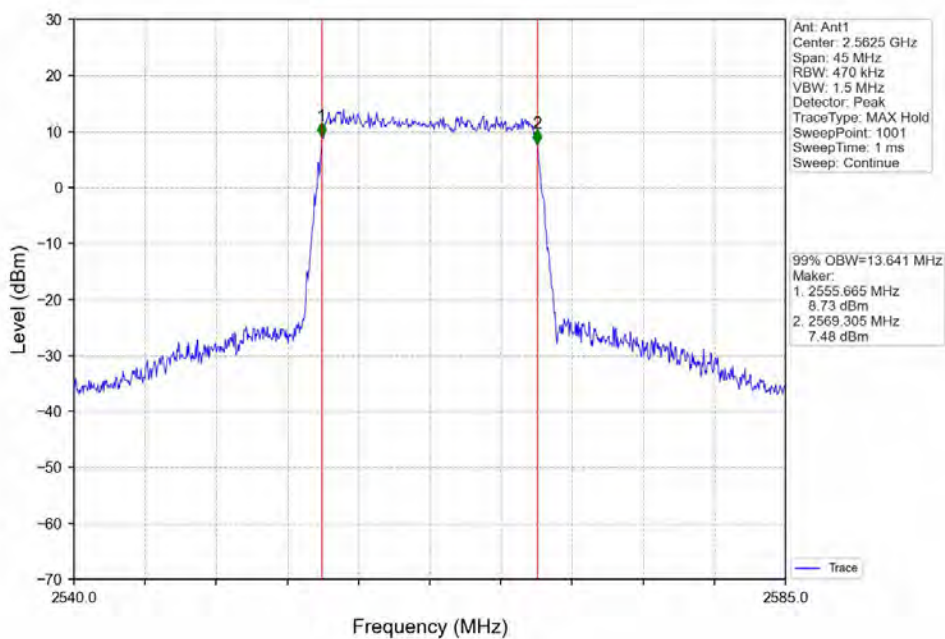
Band7_15MHz_64QAM_LCH_2507.5MHz_RB_75_0_NTNV



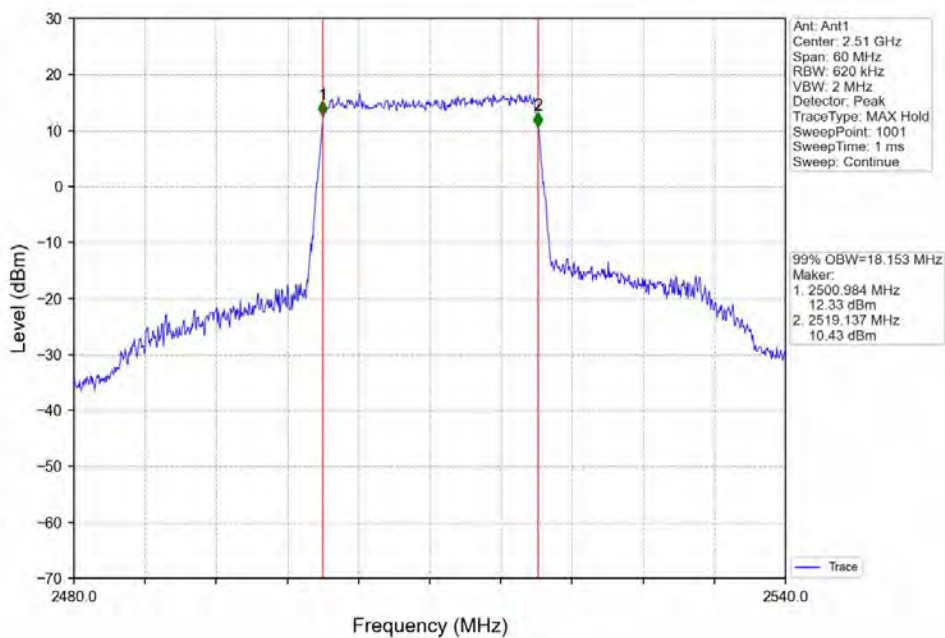
Band7_15MHz_64QAM_MCH_2535MHz_RB_75_0_NTNV



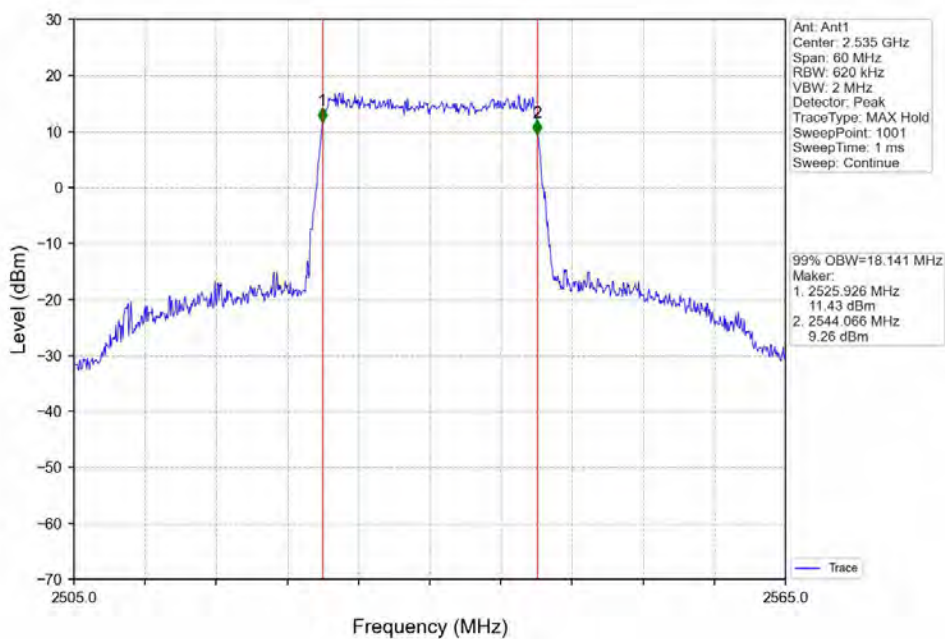
Band7_15MHz_64QAM_HCH_2562.5MHz_RB_75_0_NTNV



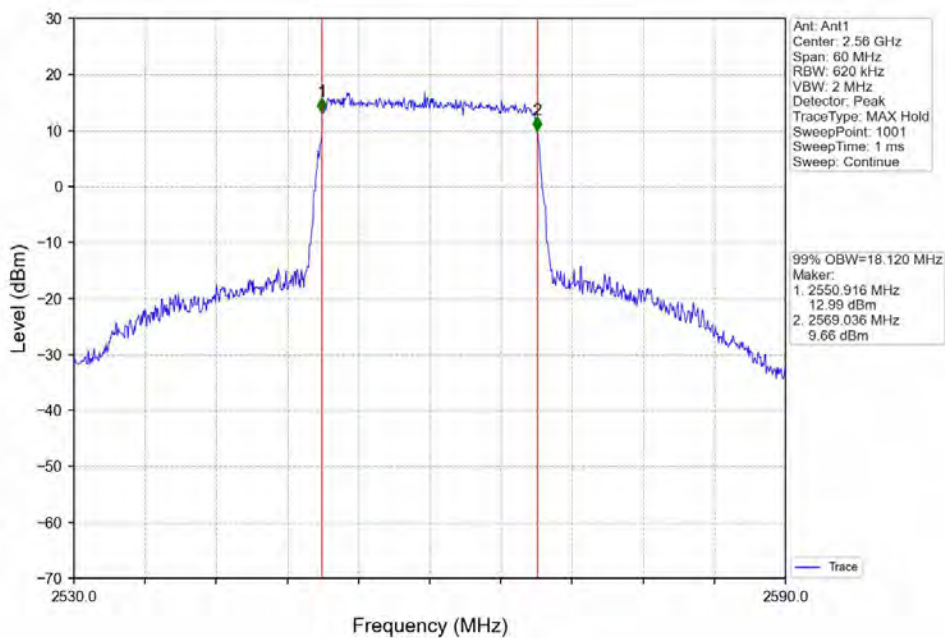
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



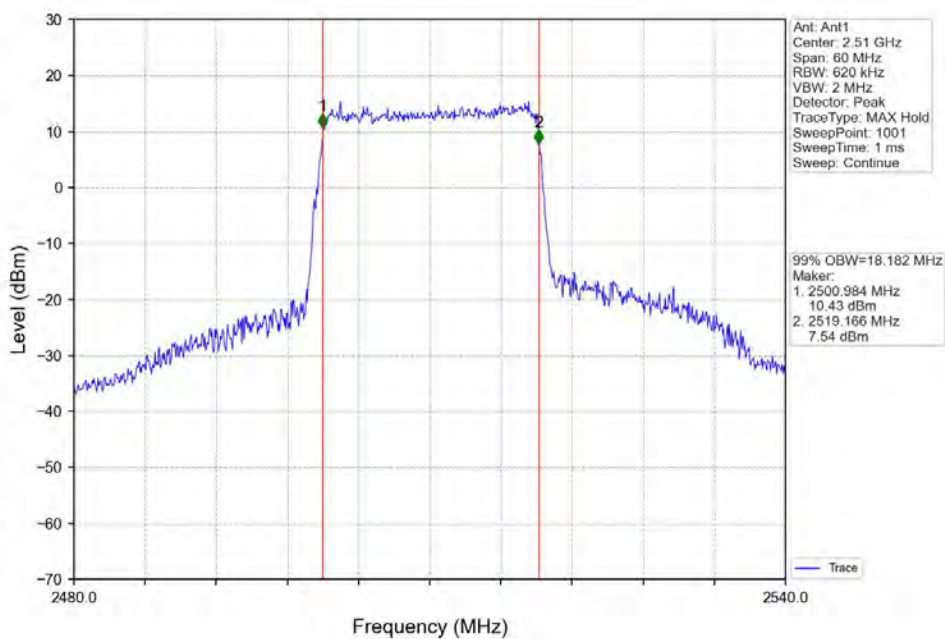
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



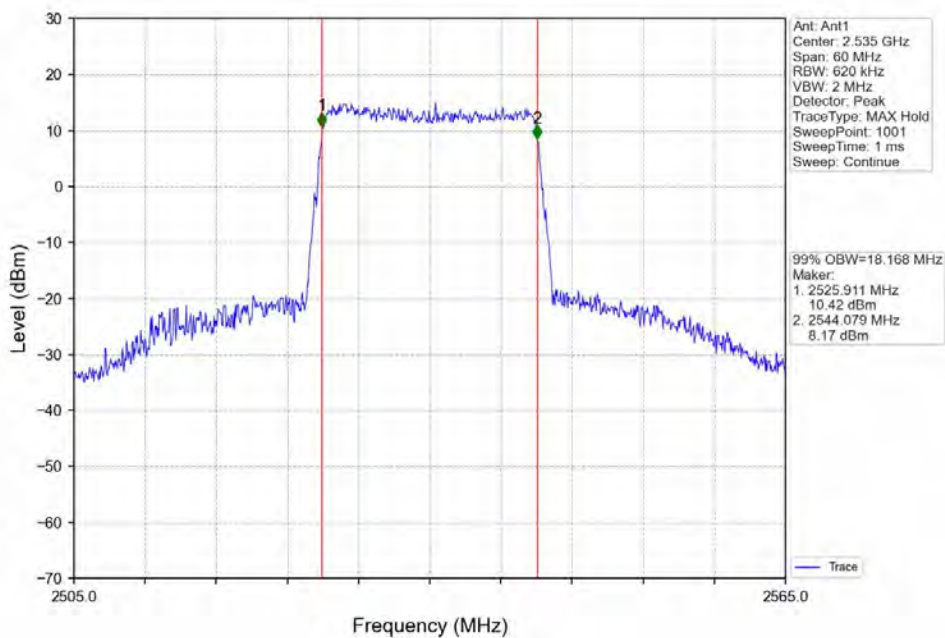
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



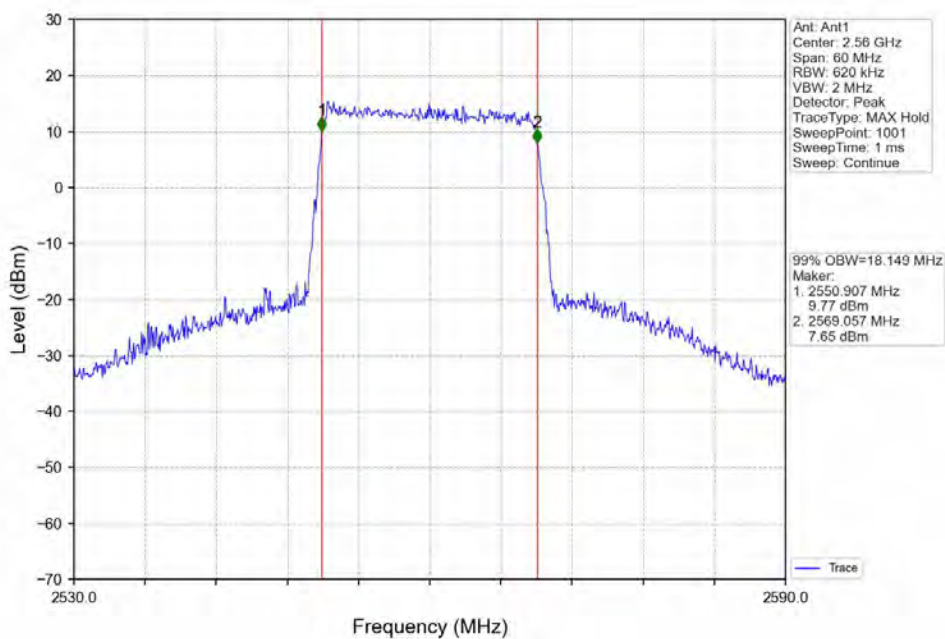
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



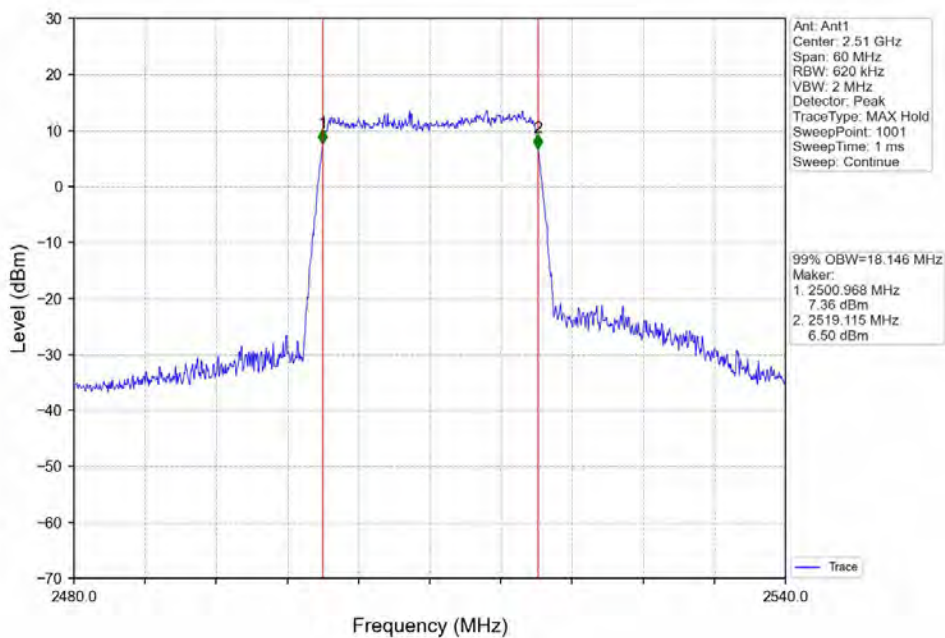
Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



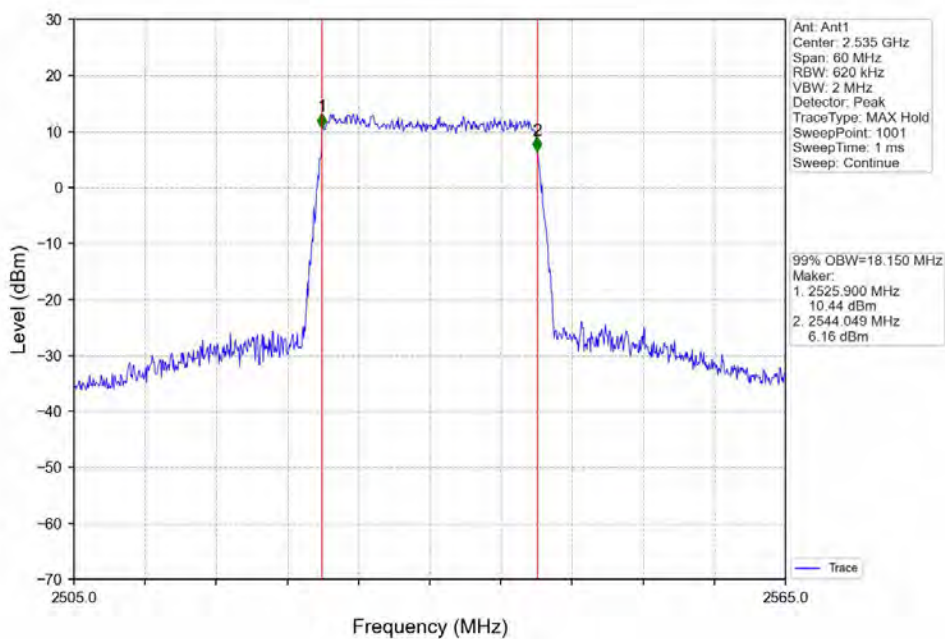
Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTV



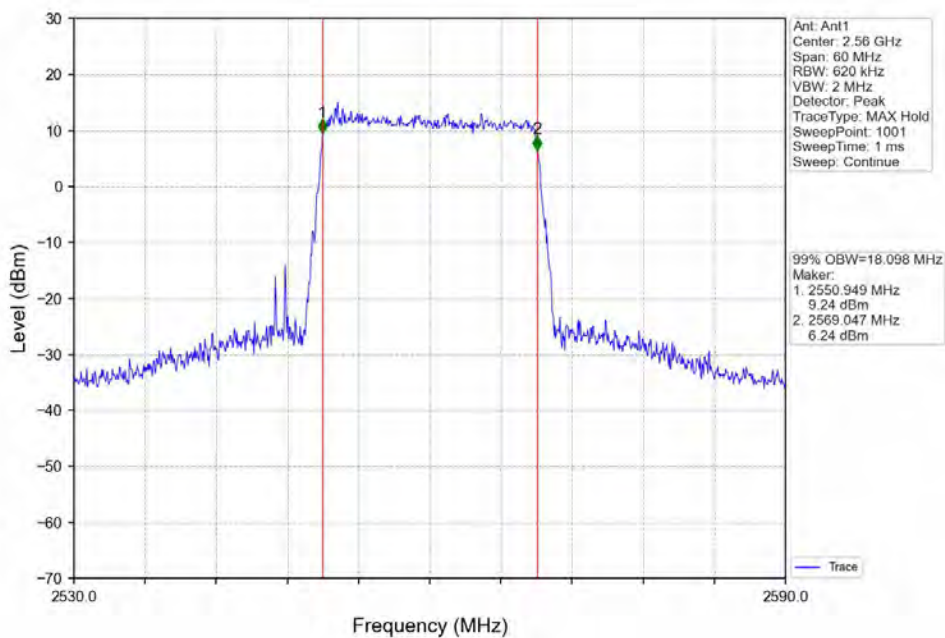
Band7 20MHz 64QAM LCH 2510MHz RB 100 0 NTV



Band7 20MHz 64QAM MCH 2535MHz RB 100 0 NTV



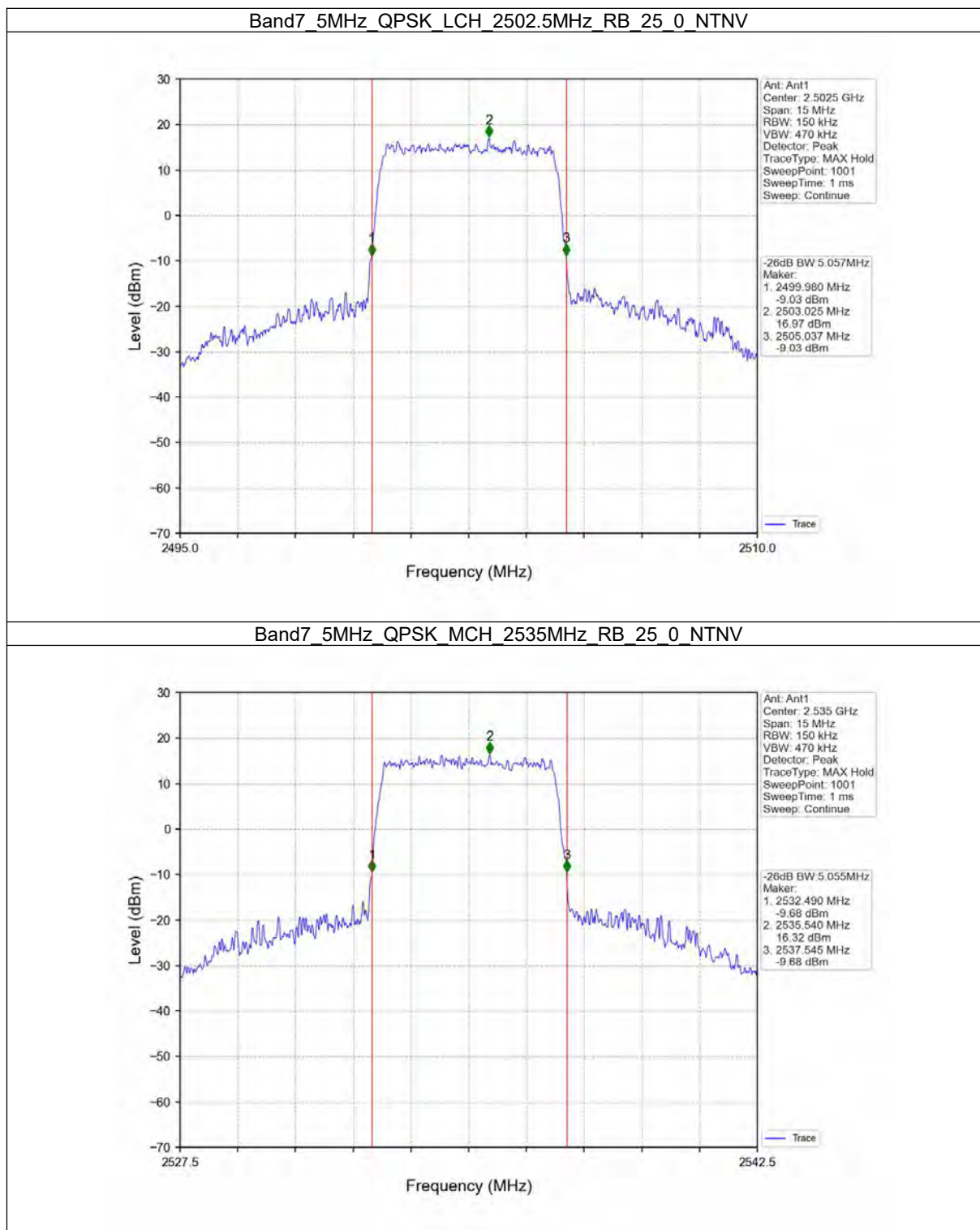
Band7 20MHz 64QAM HCH 2560MHz RB 100 0 NTV

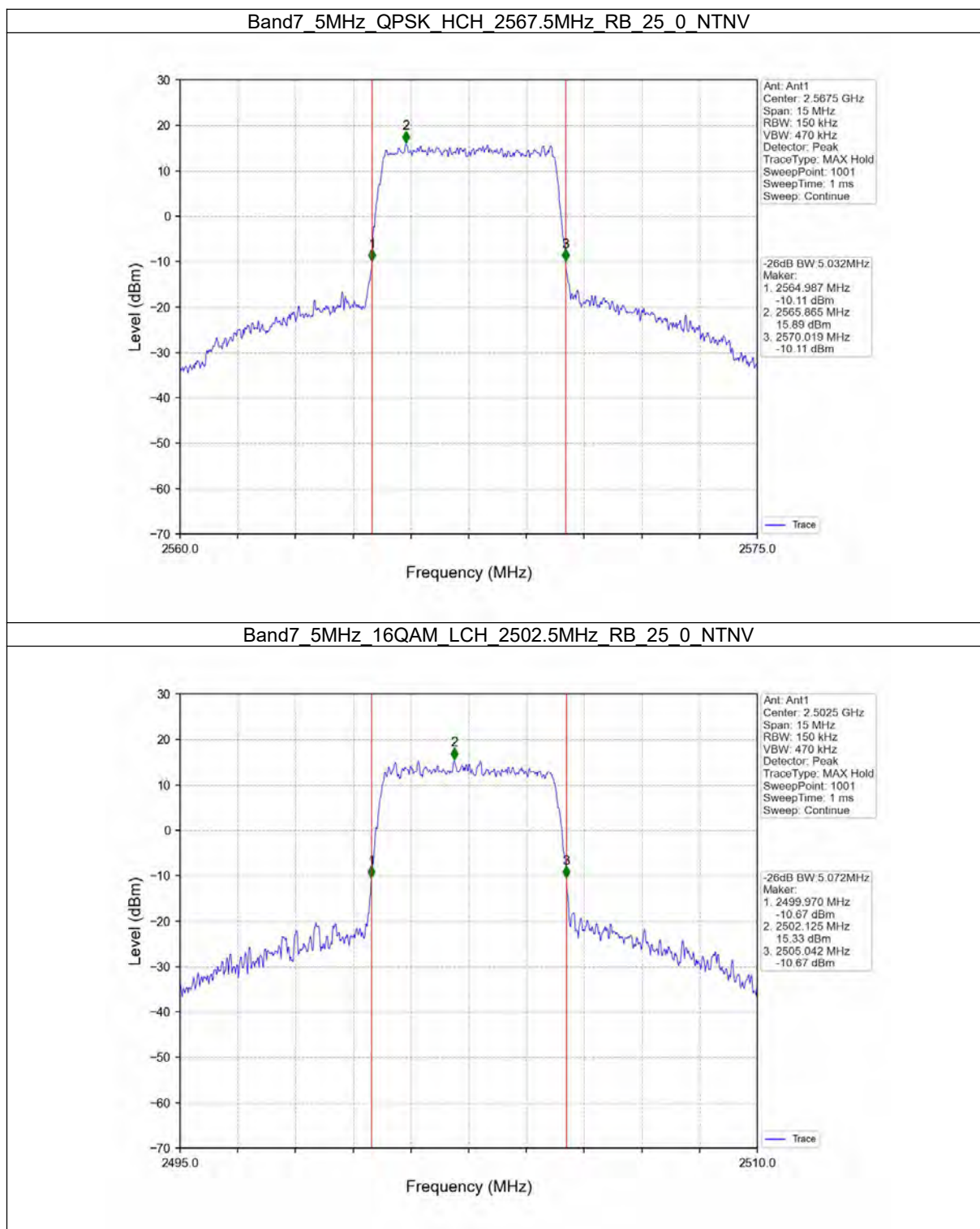


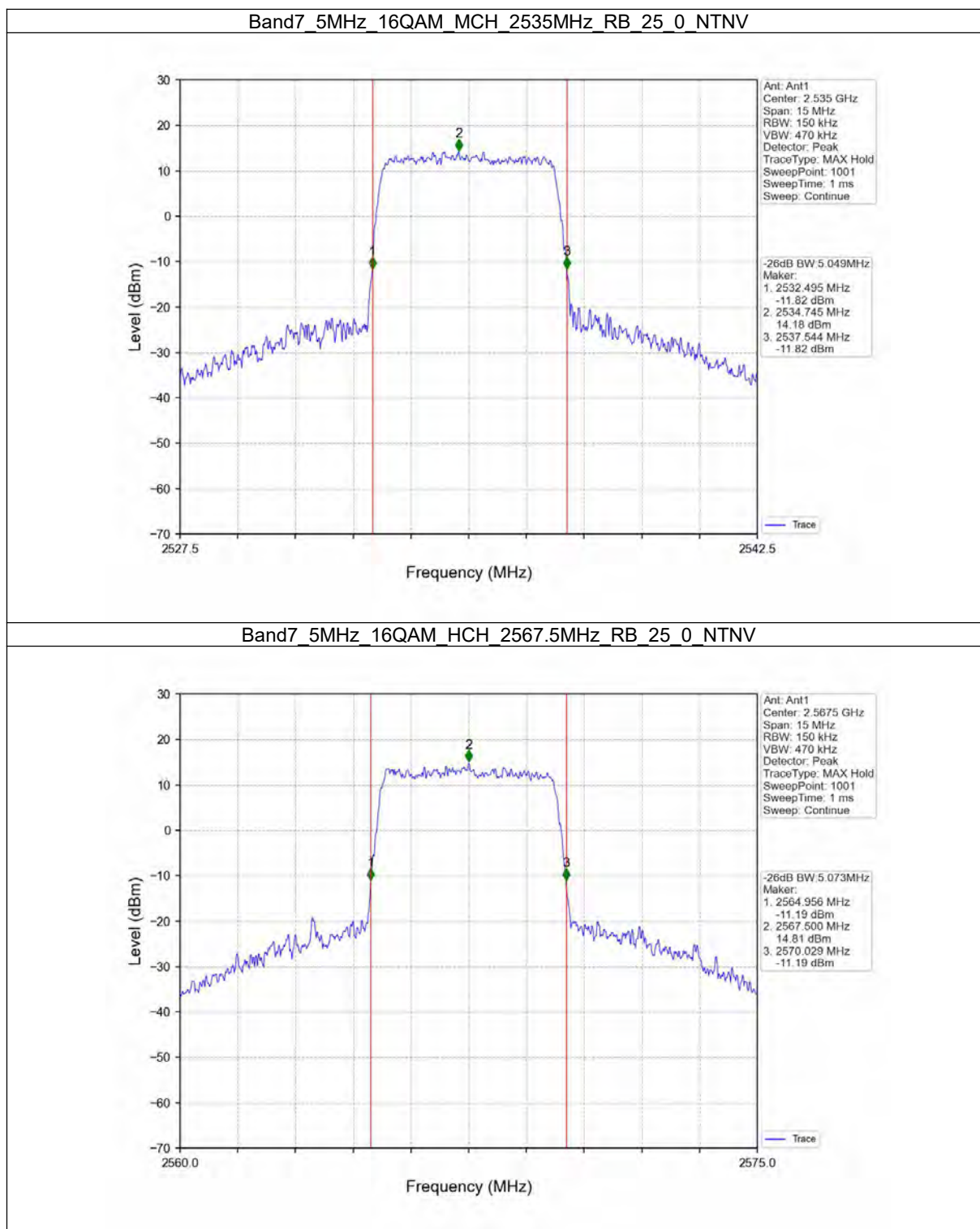
26DB_OBW TEST RESULT

Band: 7 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2502.5	25	0	5.057	Pass
		2535	25	0	5.055	Pass
		2567.5	25	0	5.032	Pass
	16QAM	2502.5	25	0	5.072	Pass
		2535	25	0	5.049	Pass
		2567.5	25	0	5.073	Pass
	64QAM	2502.5	25	0	5.049	Pass
		2535	25	0	5.043	Pass
10	QPSK	2505	50	0	10.017	Pass
		2535	50	0	10.086	Pass
		2565	50	0	10.041	Pass
	16QAM	2505	50	0	10.033	Pass
		2535	50	0	10.045	Pass
		2565	50	0	10.036	Pass
	64QAM	2505	50	0	10.104	Pass
		2535	50	0	10.037	Pass
15	QPSK	2507.5	75	0	15.223	Pass
		2535	75	0	15.166	Pass
		2562.5	75	0	15.207	Pass
	16QAM	2507.5	75	0	15.174	Pass
		2535	75	0	15.287	Pass
		2562.5	75	0	15.143	Pass
	64QAM	2507.5	75	0	15.264	Pass
		2535	75	0	15.194	Pass
20	QPSK	2562.5	75	0	15.116	Pass
	16QAM	2510	100	0	19.972	Pass
		2535	100	0	20.126	Pass
		2560	100	0	19.834	Pass
	16QAM	2510	100	0	19.985	Pass
		2535	100	0	20.185	Pass
		2560	100	0	20.014	Pass
	64QAM	2510	100	0	20.009	Pass
		2535	100	0	20.019	Pass
		2560	100	0	19.897	Pass

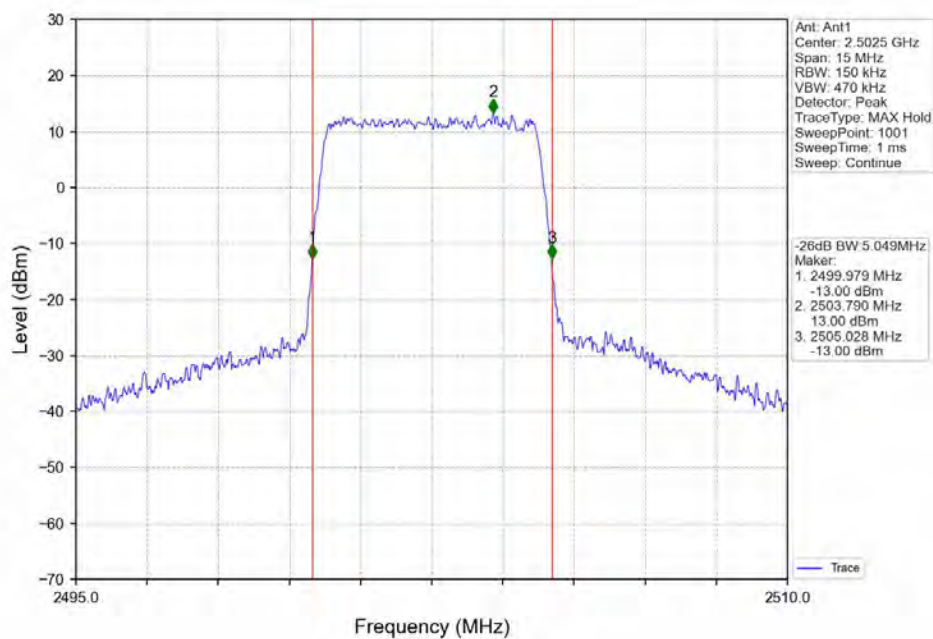
Test Graph



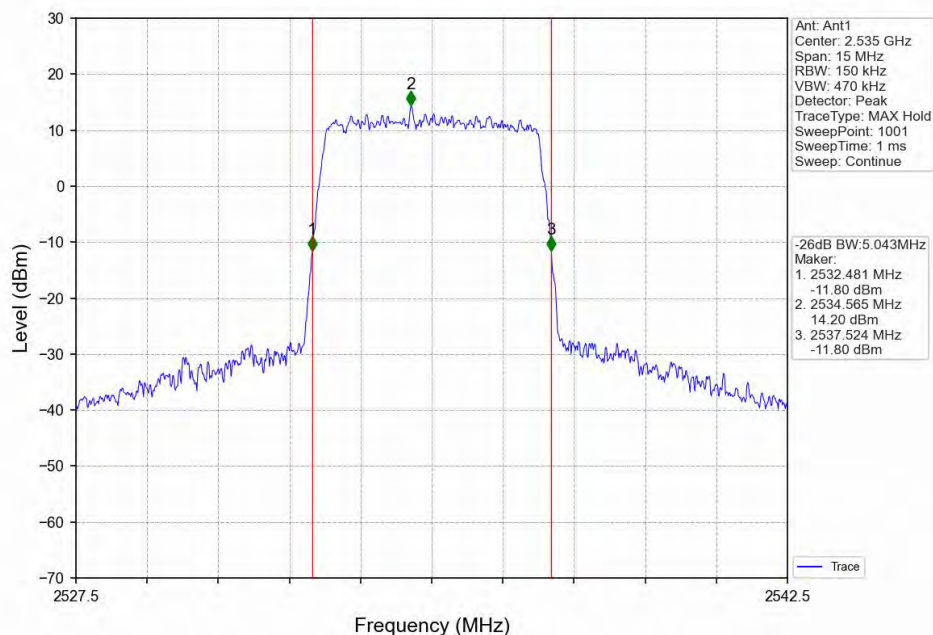




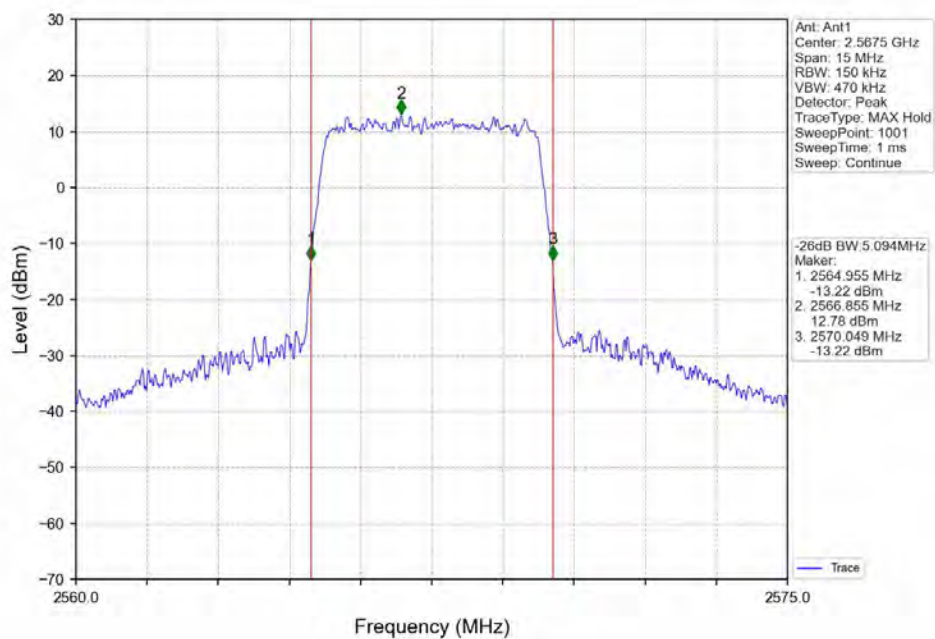
Band7_5MHz_64QAM_LCH_2502.5MHz_RB_25_0_NTNV



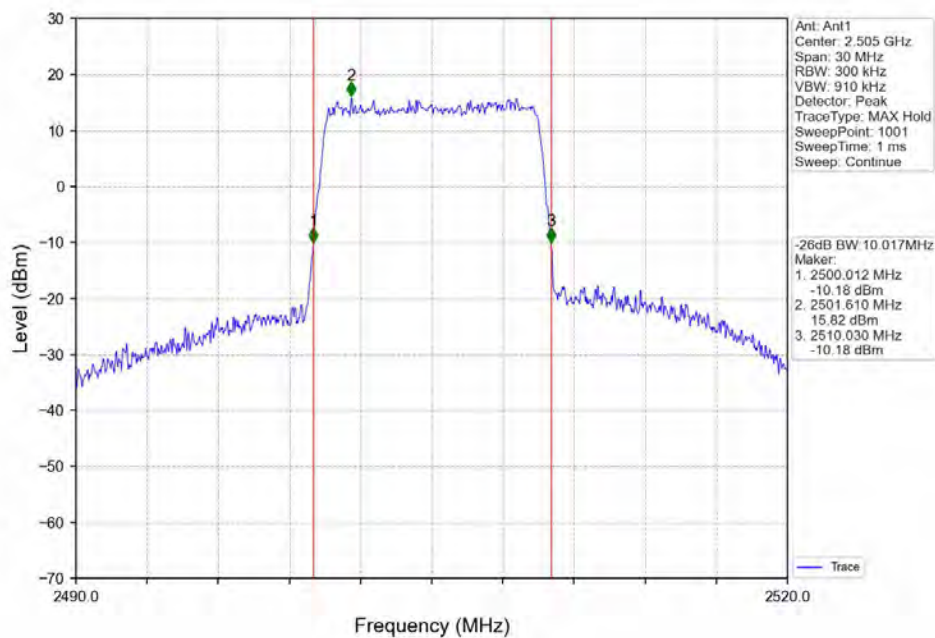
Band7_5MHz_64QAM_MCH_2535MHz_RB_25_0_NTNV

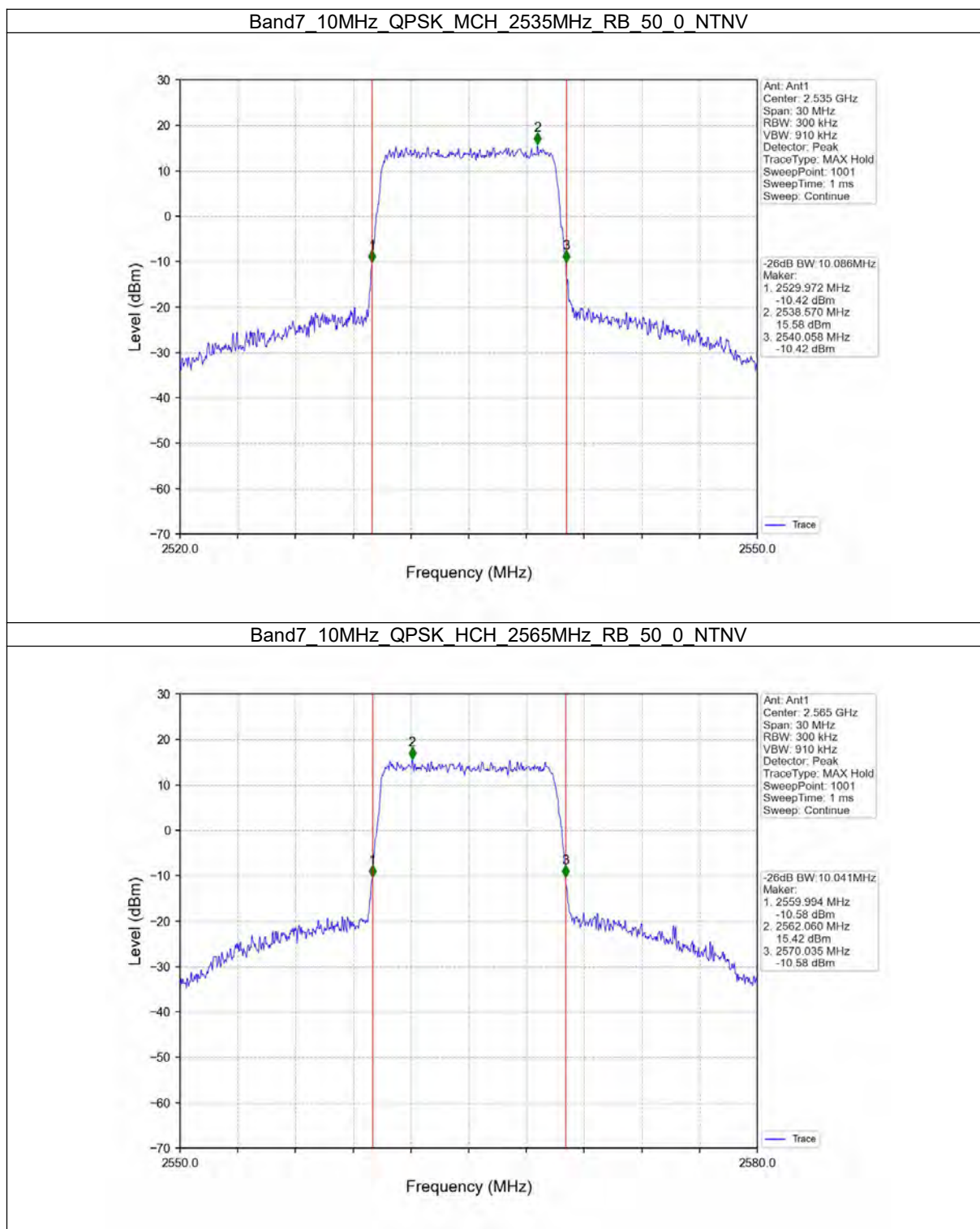


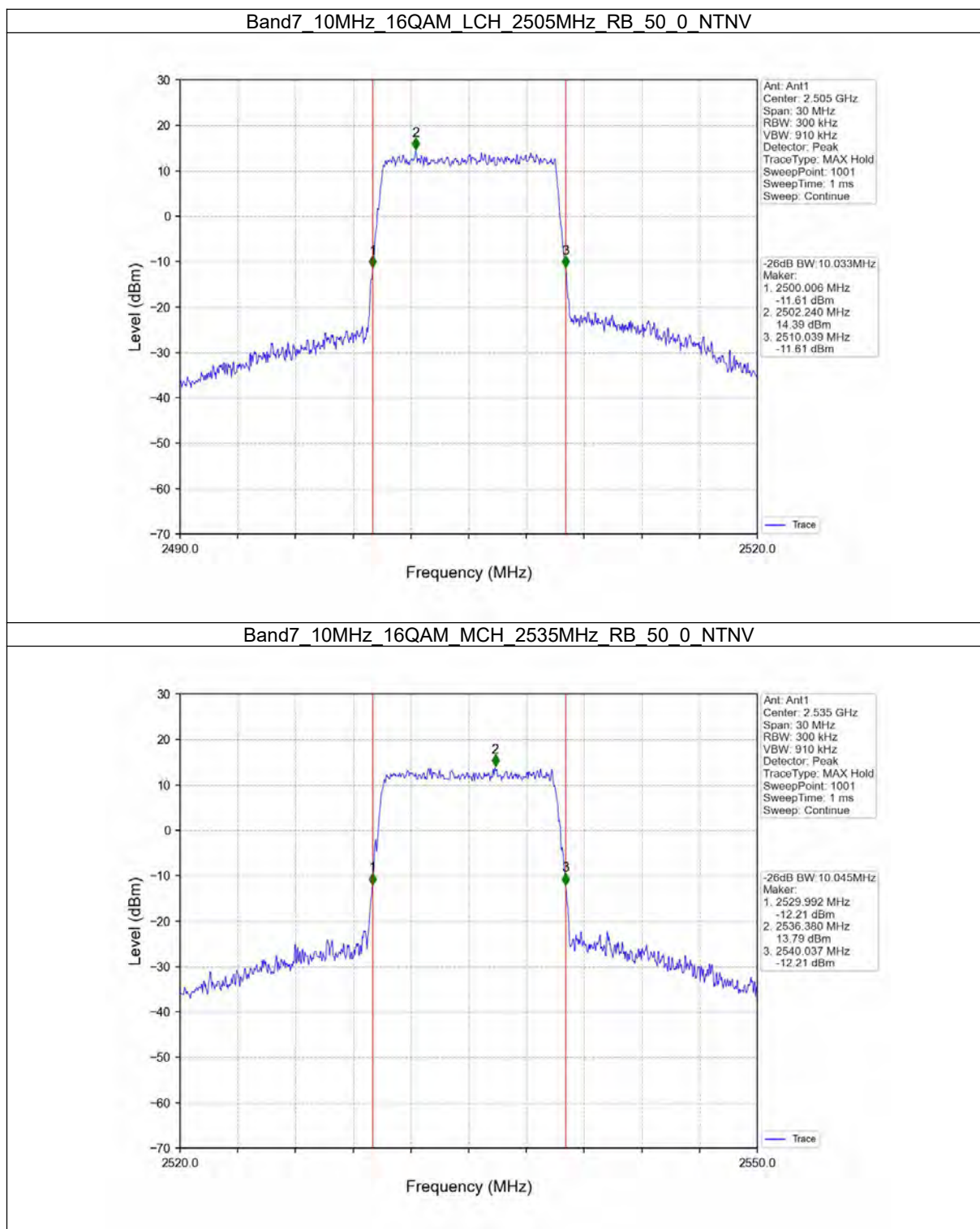
Band7_5MHz_64QAM_HCH_2567.5MHz_RB_25_0_NTNV



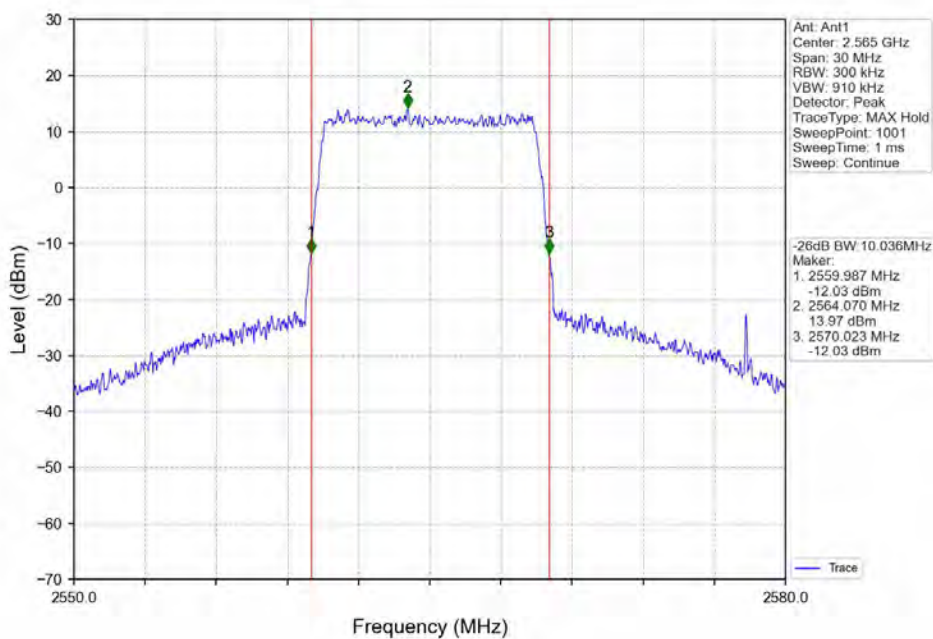
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



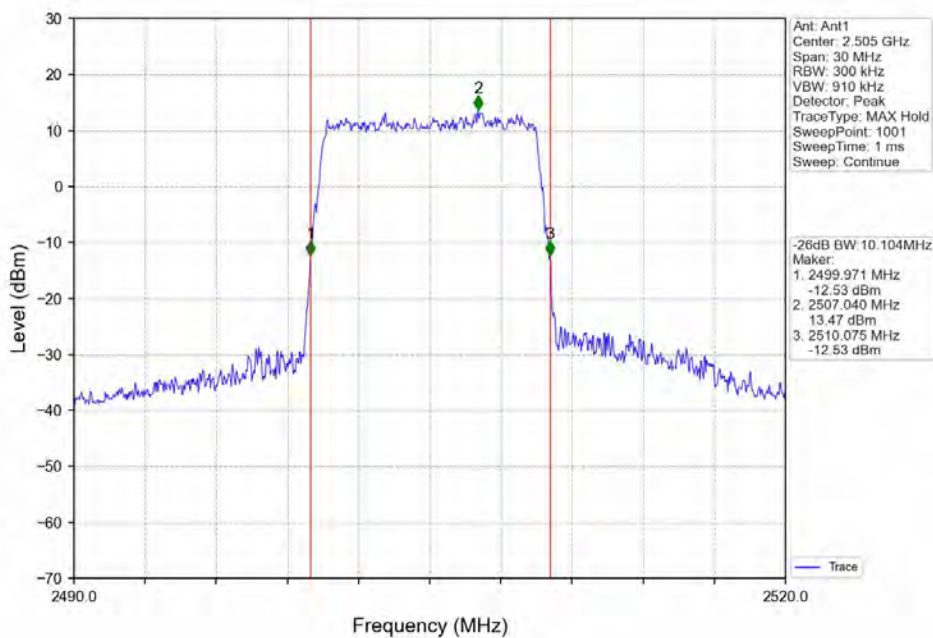




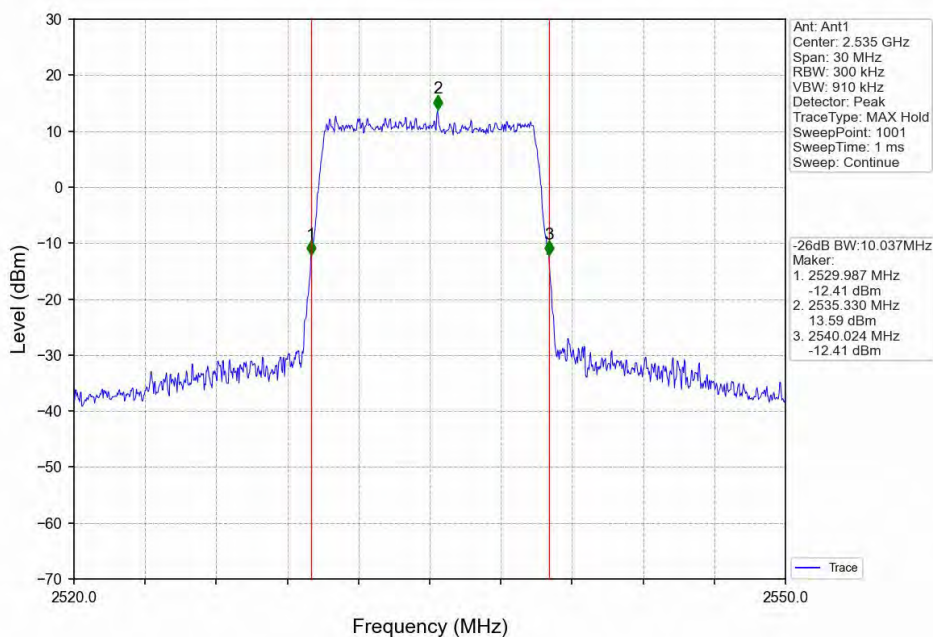
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



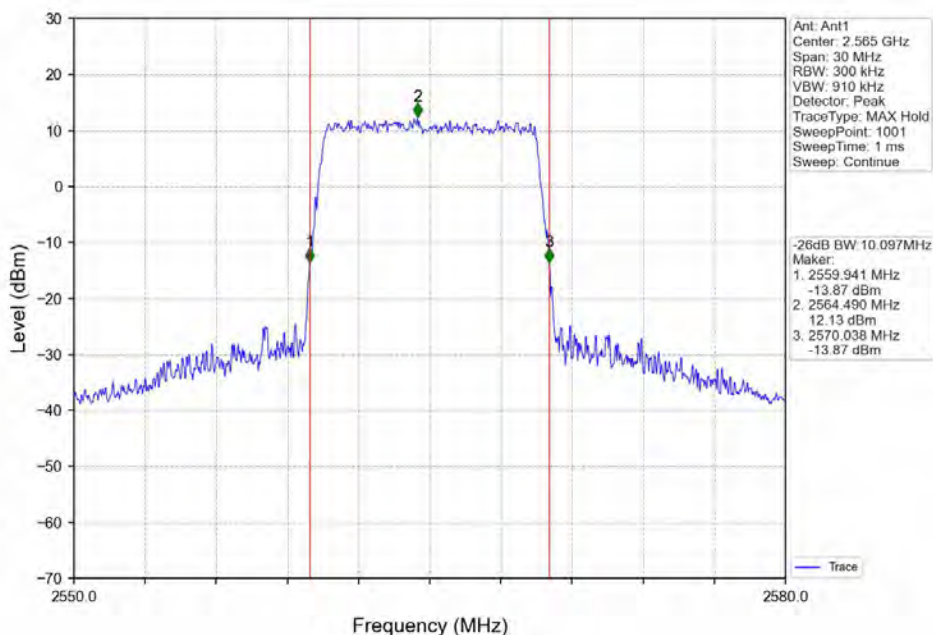
Band7_10MHz_64QAM_LCH_2505MHz_RB_50_0_NTNV



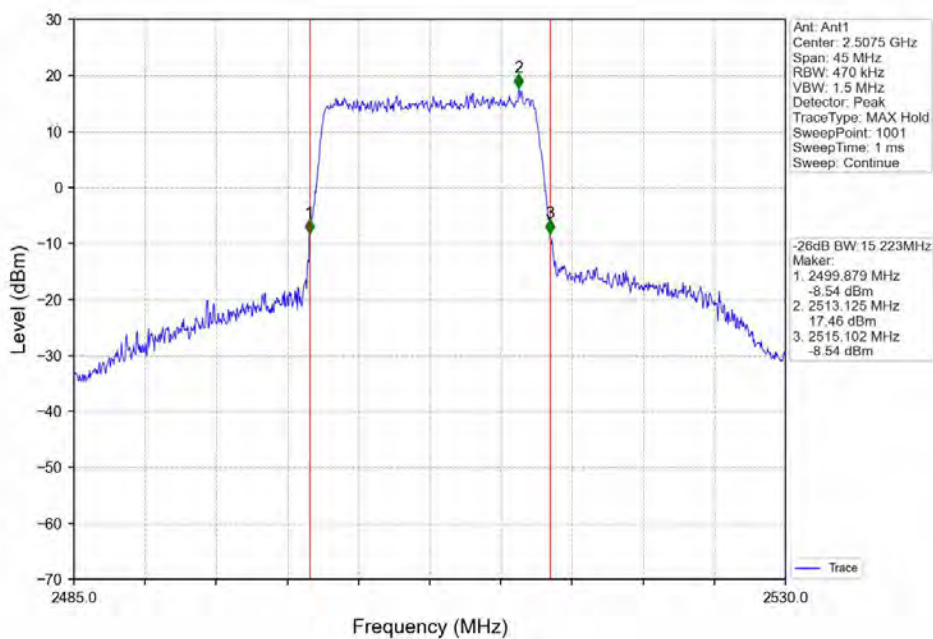
Band7_10MHz_64QAM_MCH_2535MHz_RB_50_0_NTNV



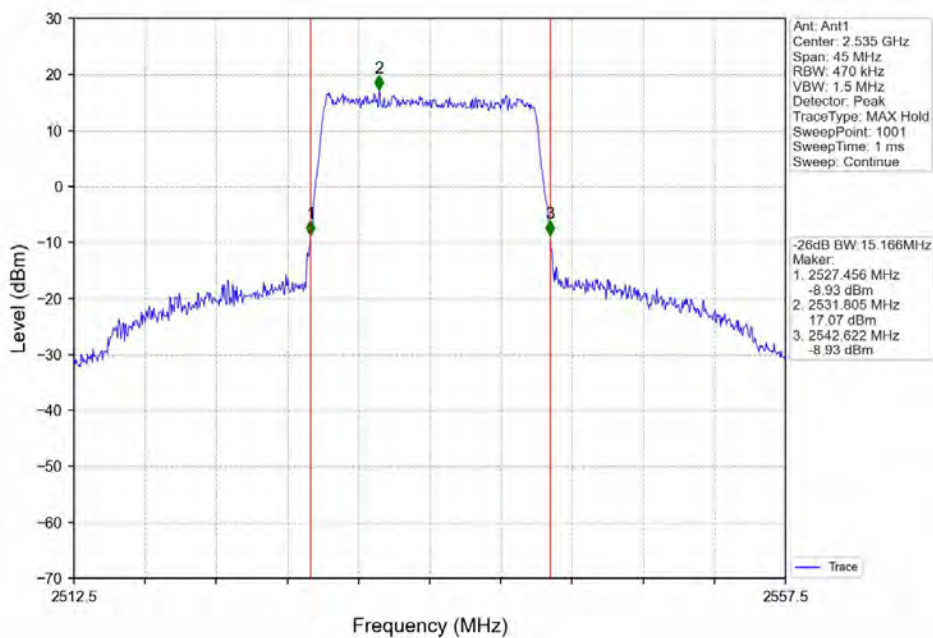
Band7_10MHz_64QAM_HCH_2565MHz_RB_50_0_NTNV



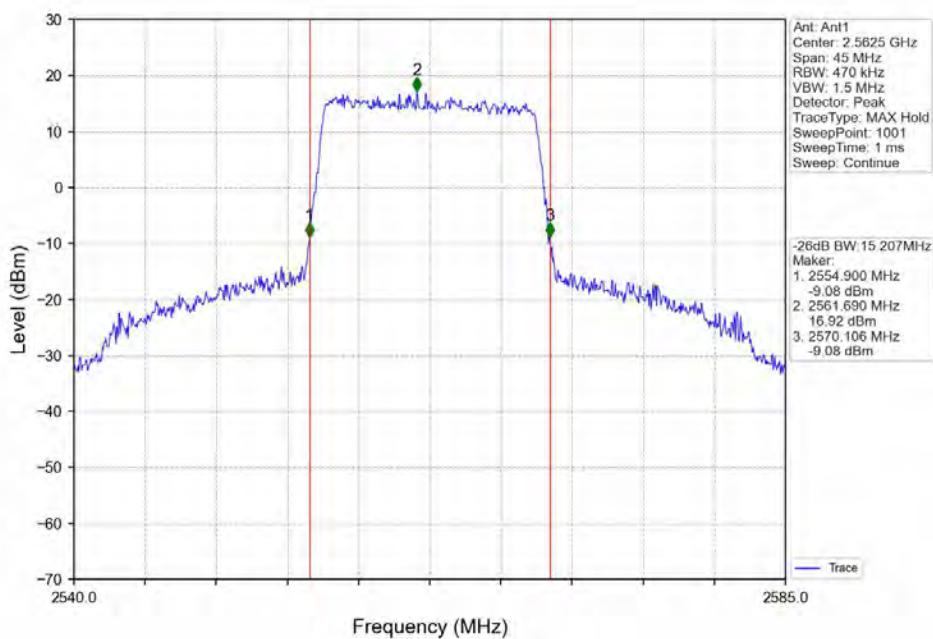
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



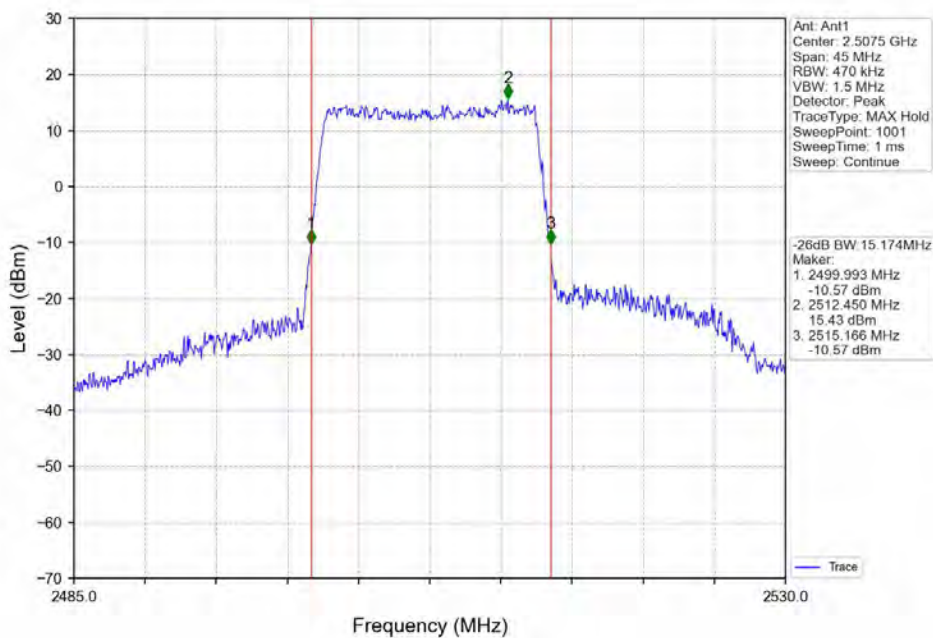
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



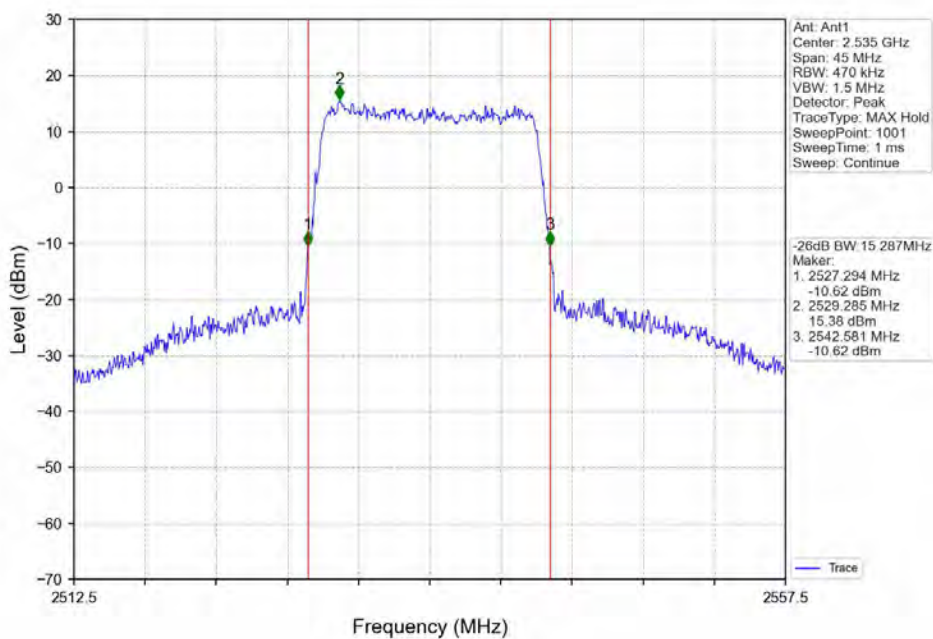
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



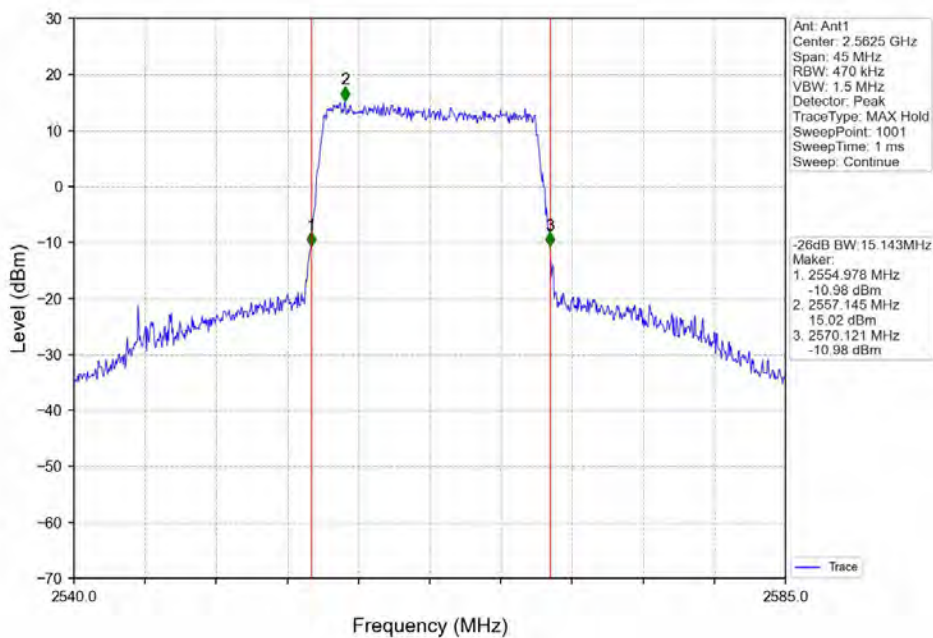
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



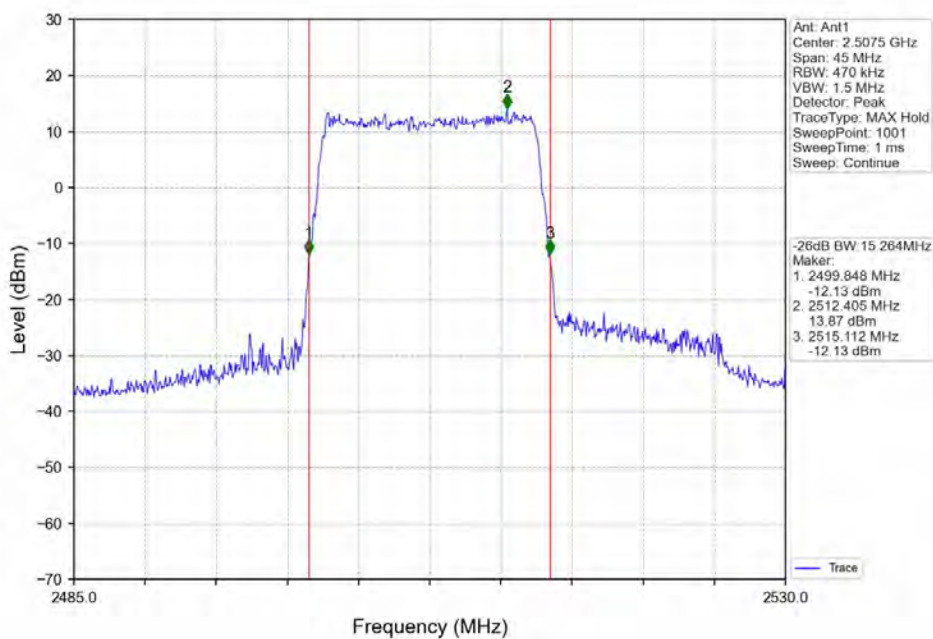
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



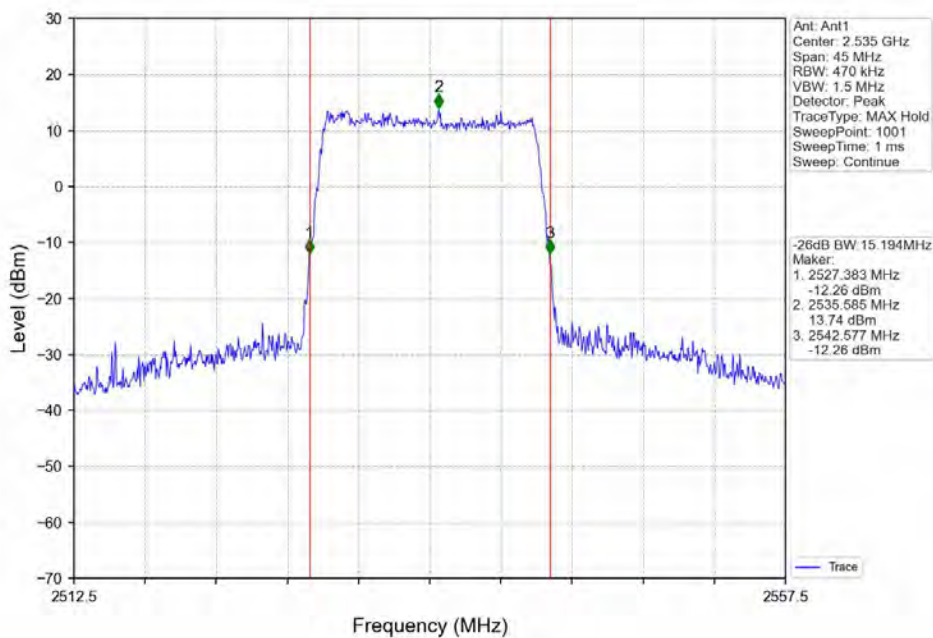
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV



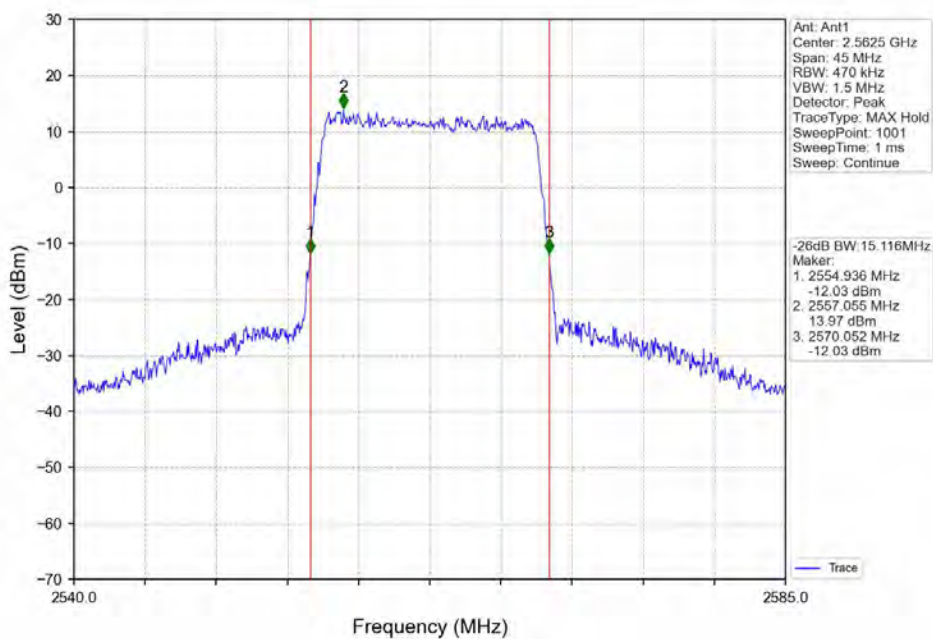
Band7_15MHz_64QAM_LCH_2507.5MHz_RB_75_0_NTNV



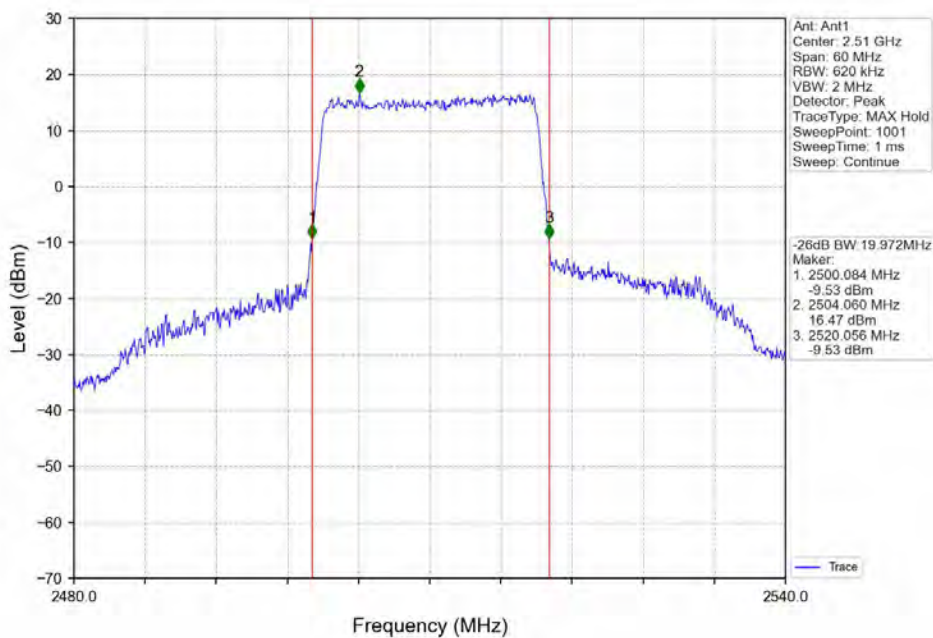
Band7_15MHz_64QAM_MCH_2535MHz_RB_75_0_NTNV



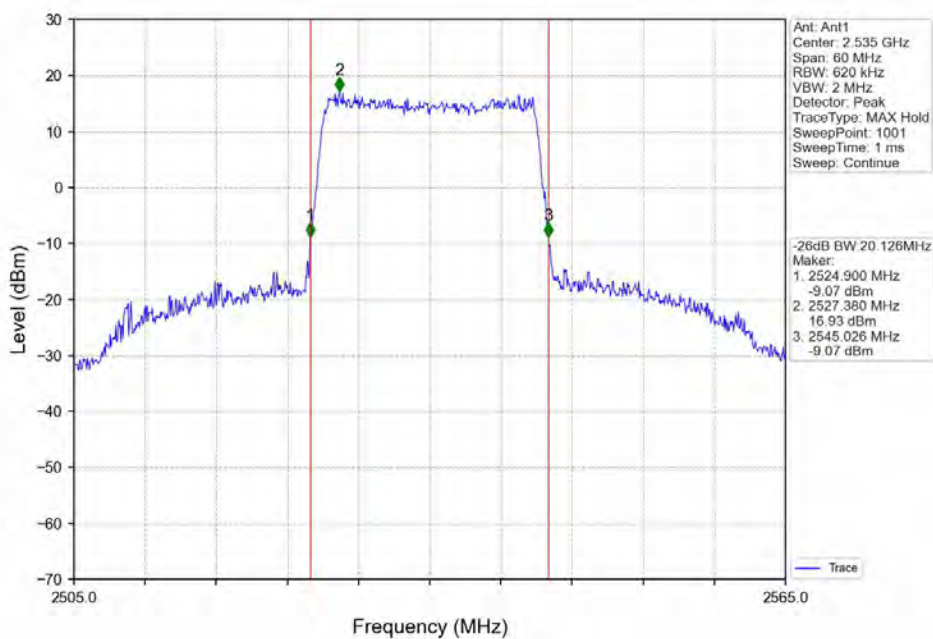
Band7_15MHz_64QAM_HCH_2562.5MHz_RB_75_0_NTNV



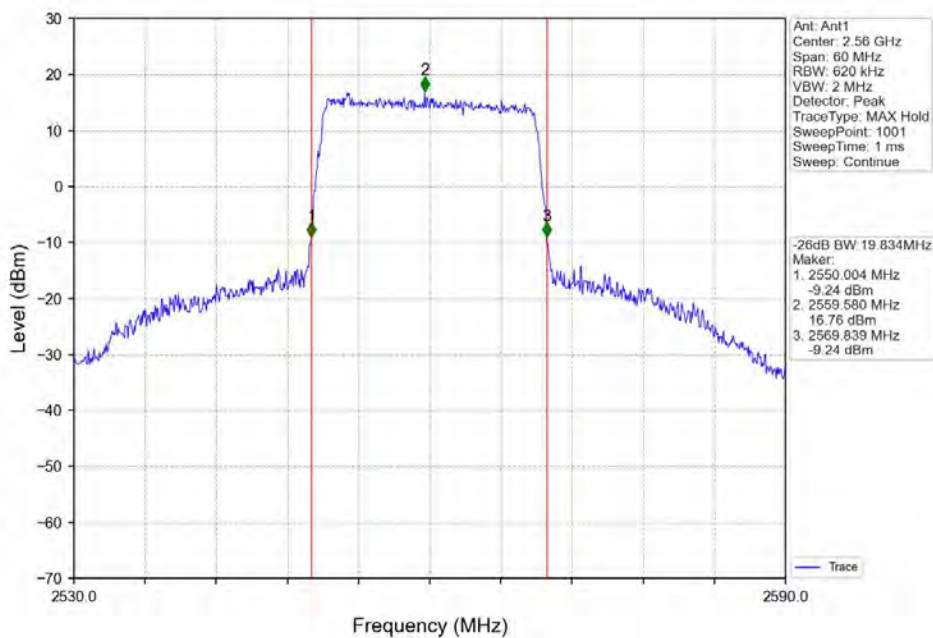
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



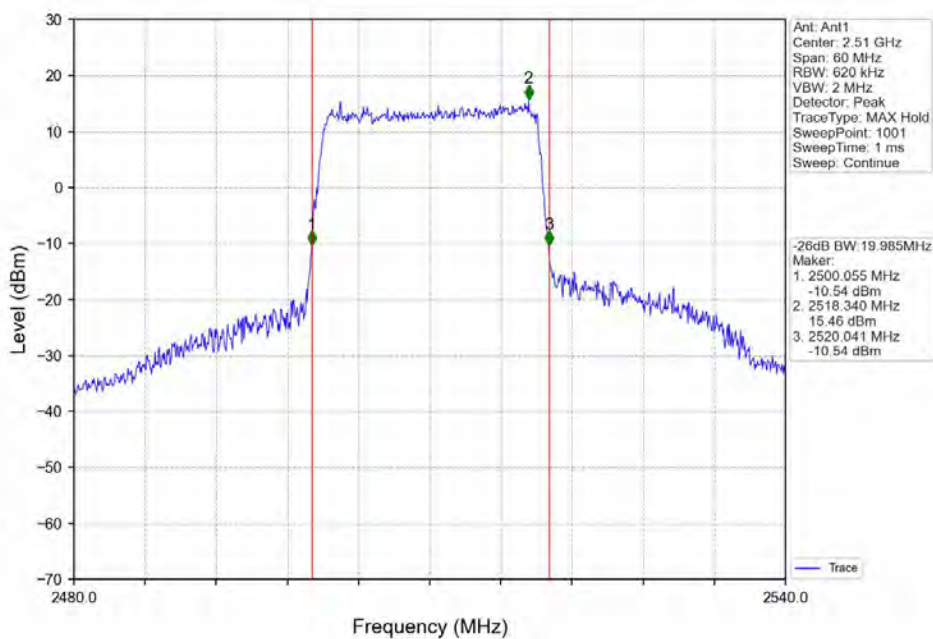
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



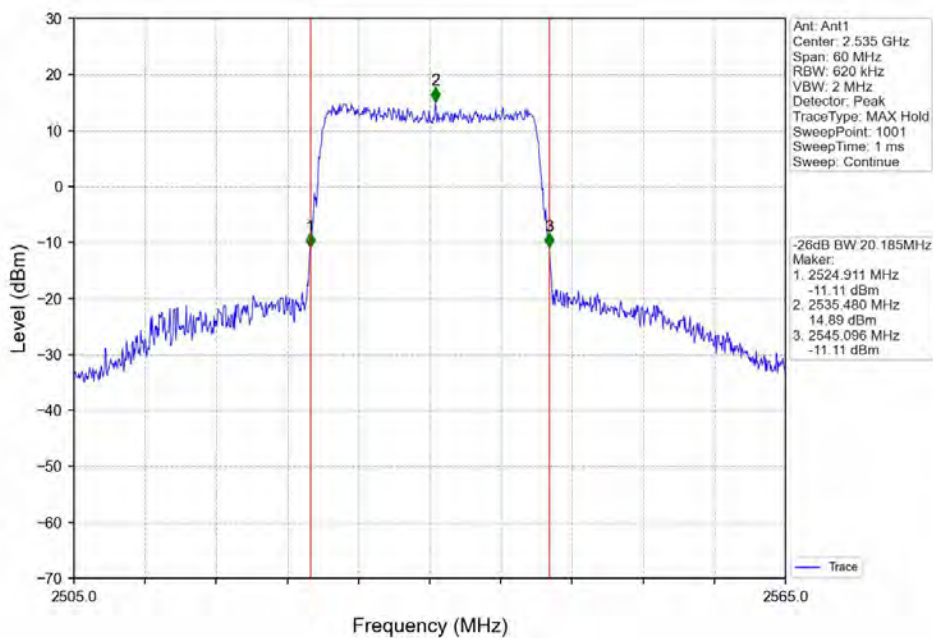
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



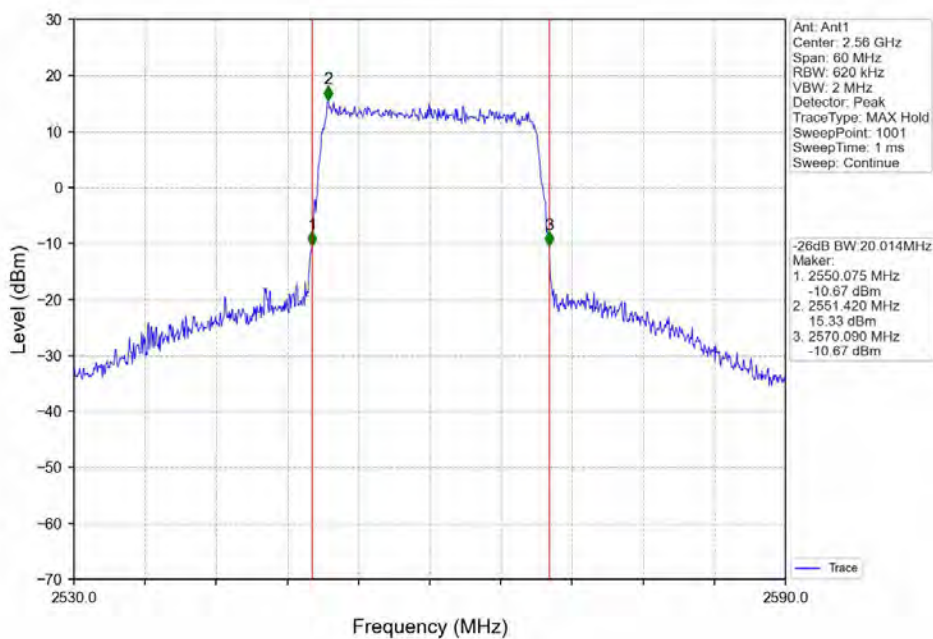
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



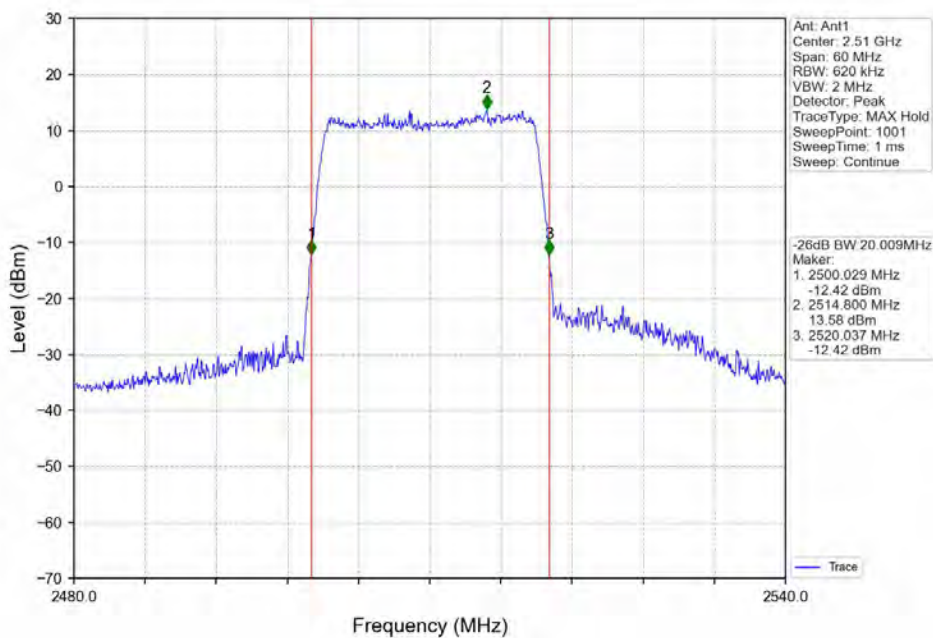
Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



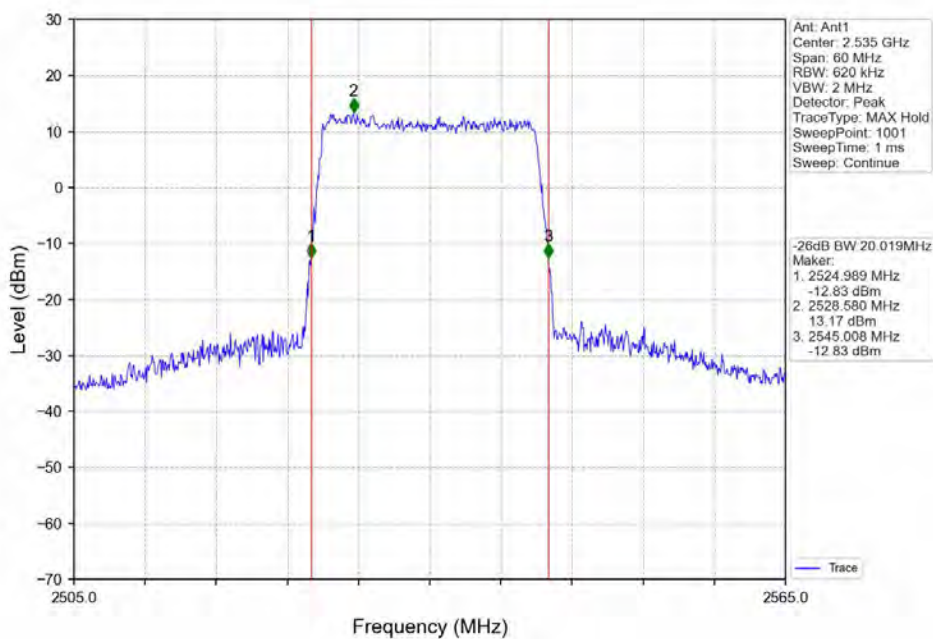
Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTV



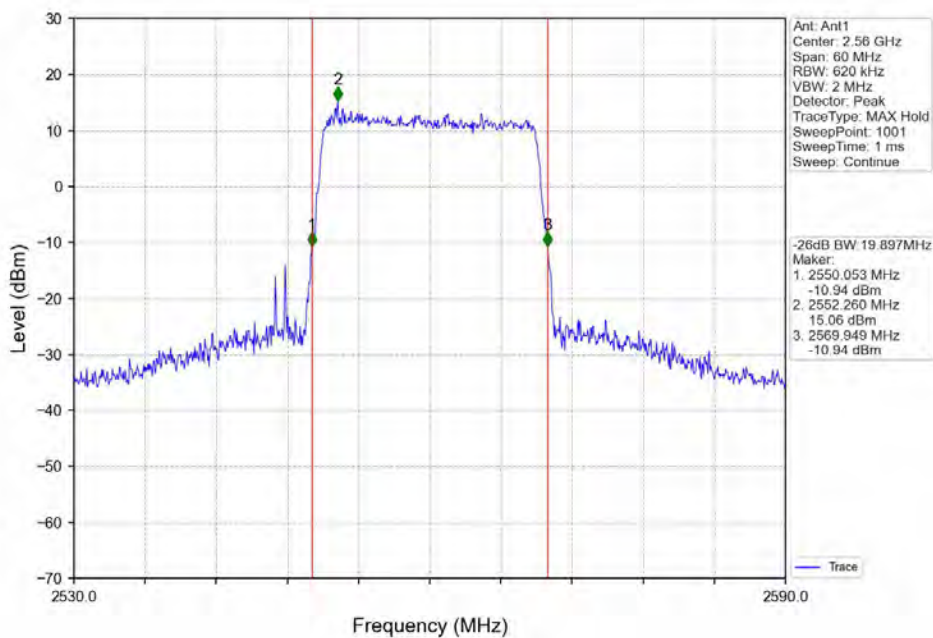
Band7 20MHz 64QAM LCH 2510MHz RB 100 0 NTV



Band7 20MHz 64QAM MCH 2535MHz RB 100 0 NTV



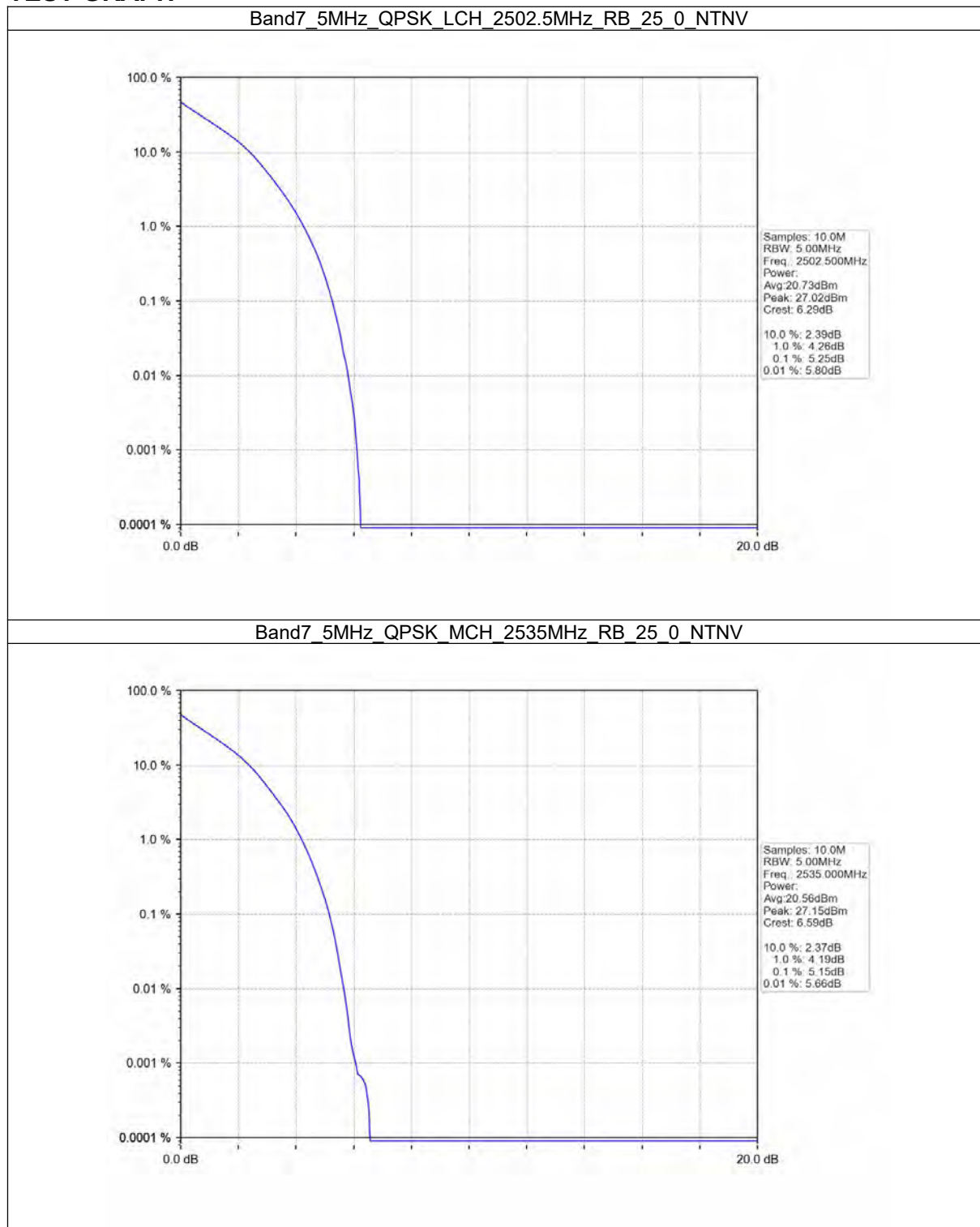
Band7 20MHz 64QAM HCH 2560MHz RB 100 0 NTV

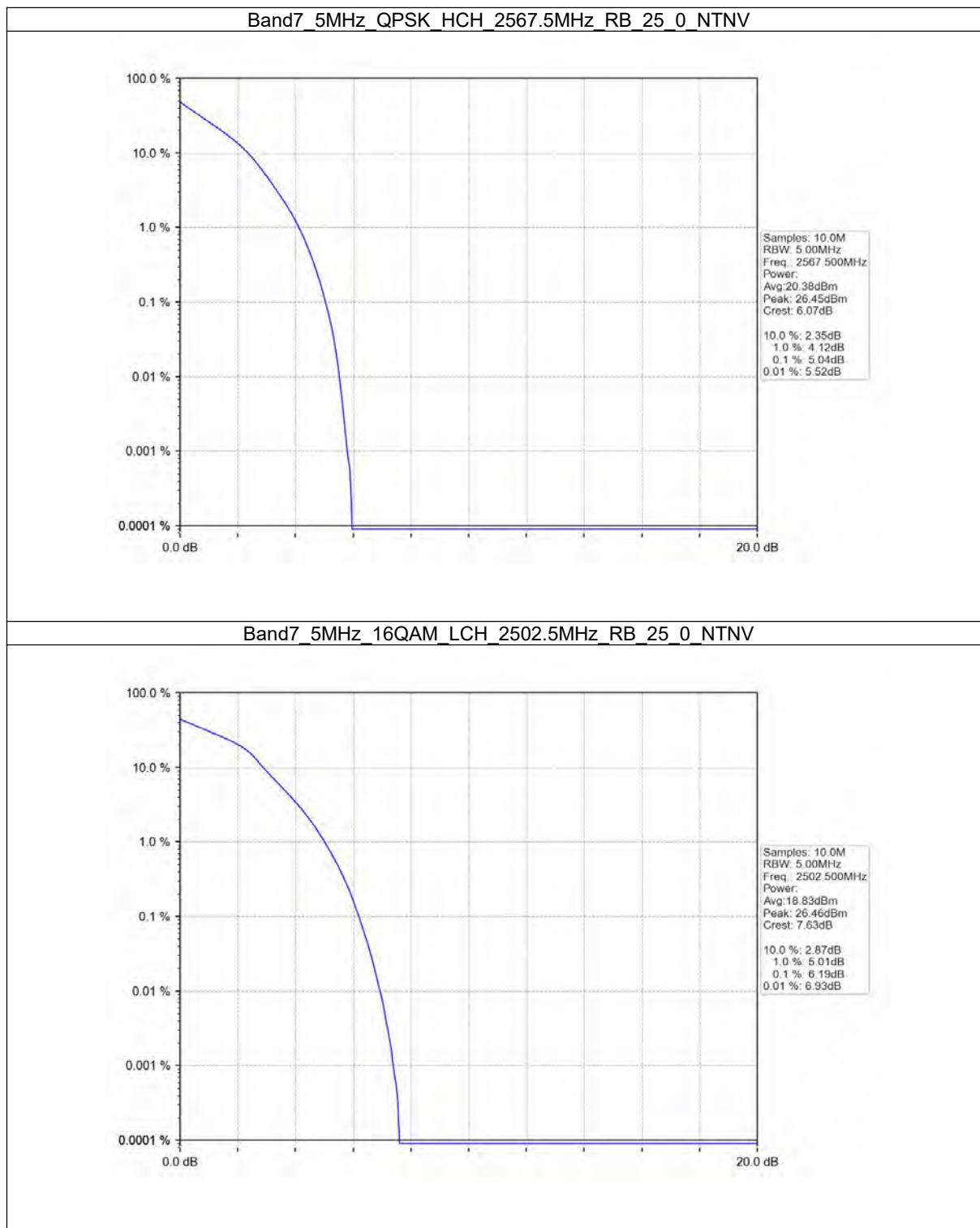


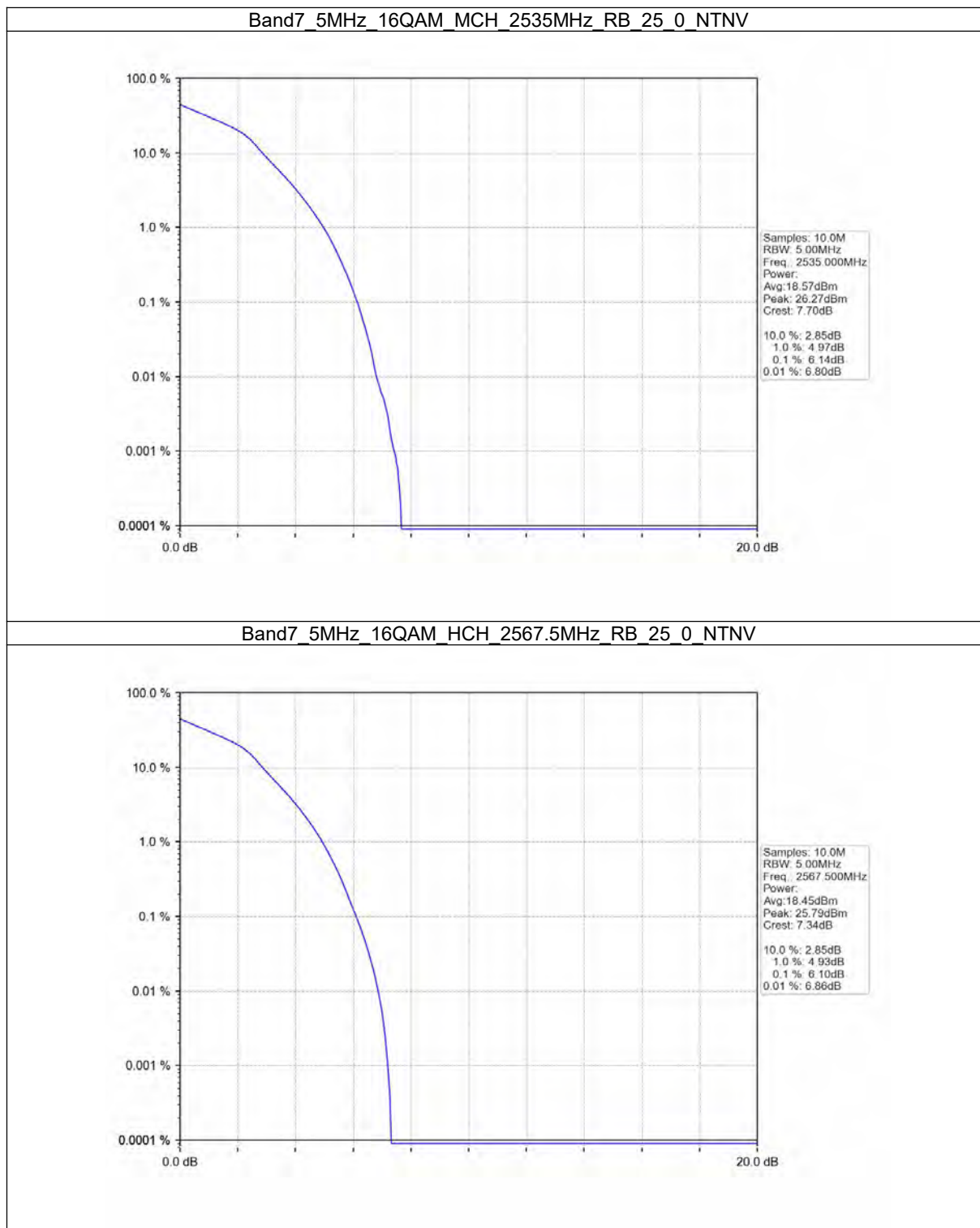
PEAK-AVERAGE RATIO B7_5MHZ TEST RESULT

Band: 7 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2502.5	25	0	5.25	<=13	Pass
	2535	25	0	5.15	<=13	Pass
	2567.5	25	0	5.04	<=13	Pass
16QAM	2502.5	25	0	6.19	<=13	Pass
	2535	25	0	6.14	<=13	Pass
	2567.5	25	0	6.10	<=13	Pass
64QAM	2502.5	25	0	6.52	<=13	Pass
	2535	25	0	6.47	<=13	Pass
	2567.5	25	0	6.43	<=13	Pass

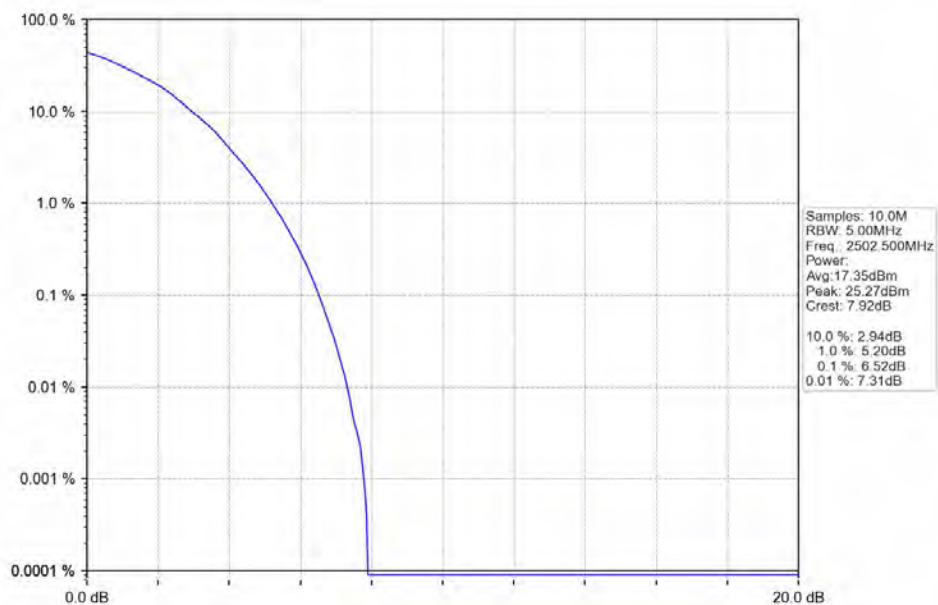
TEST GRAPH



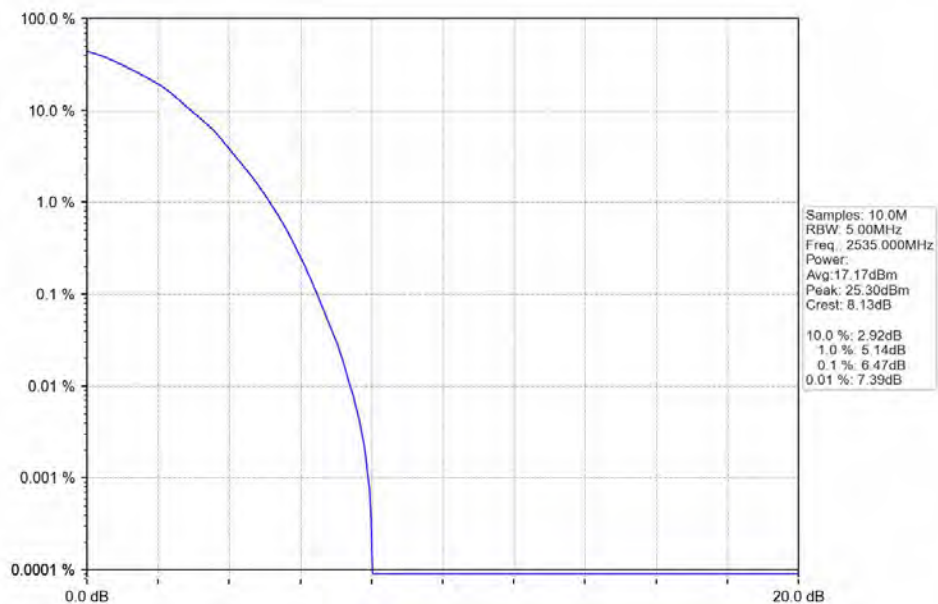


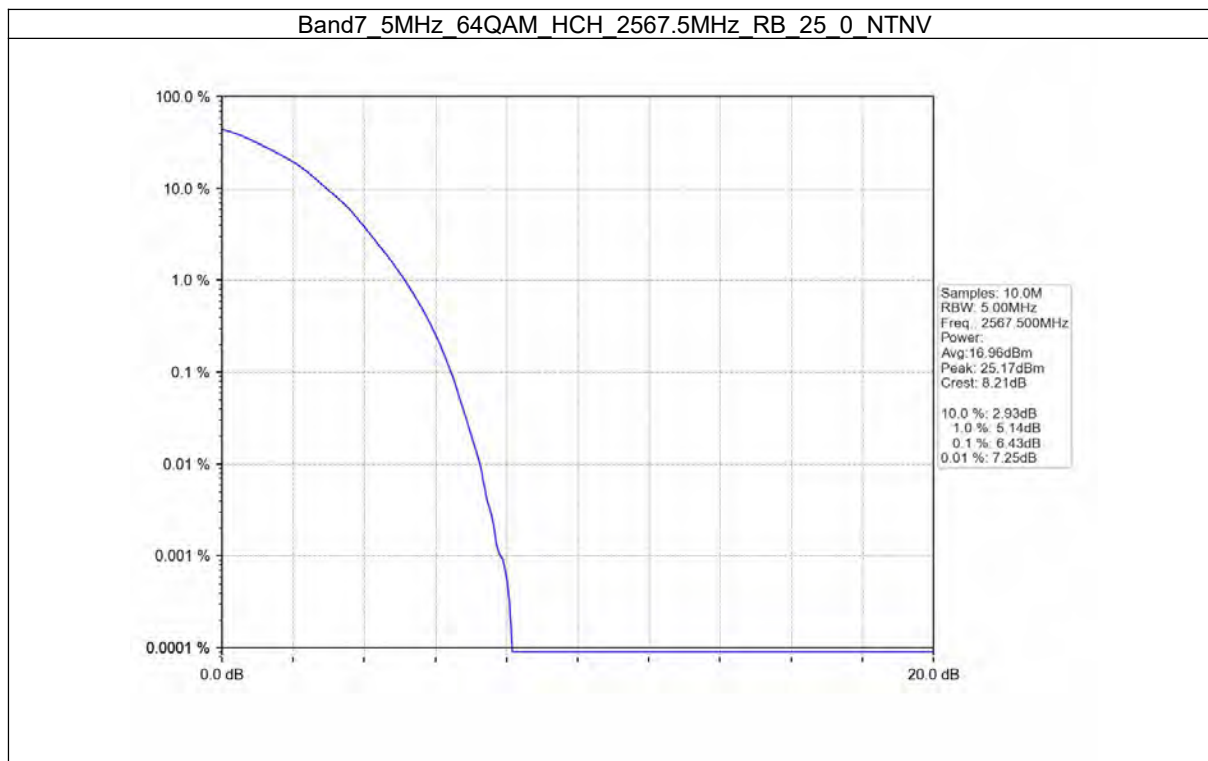


Band7_5MHz_64QAM_LCH_2502.5MHz_RB_25_0_NTNV



Band7_5MHz_64QAM_MCH_2535MHz_RB_25_0_NTNV





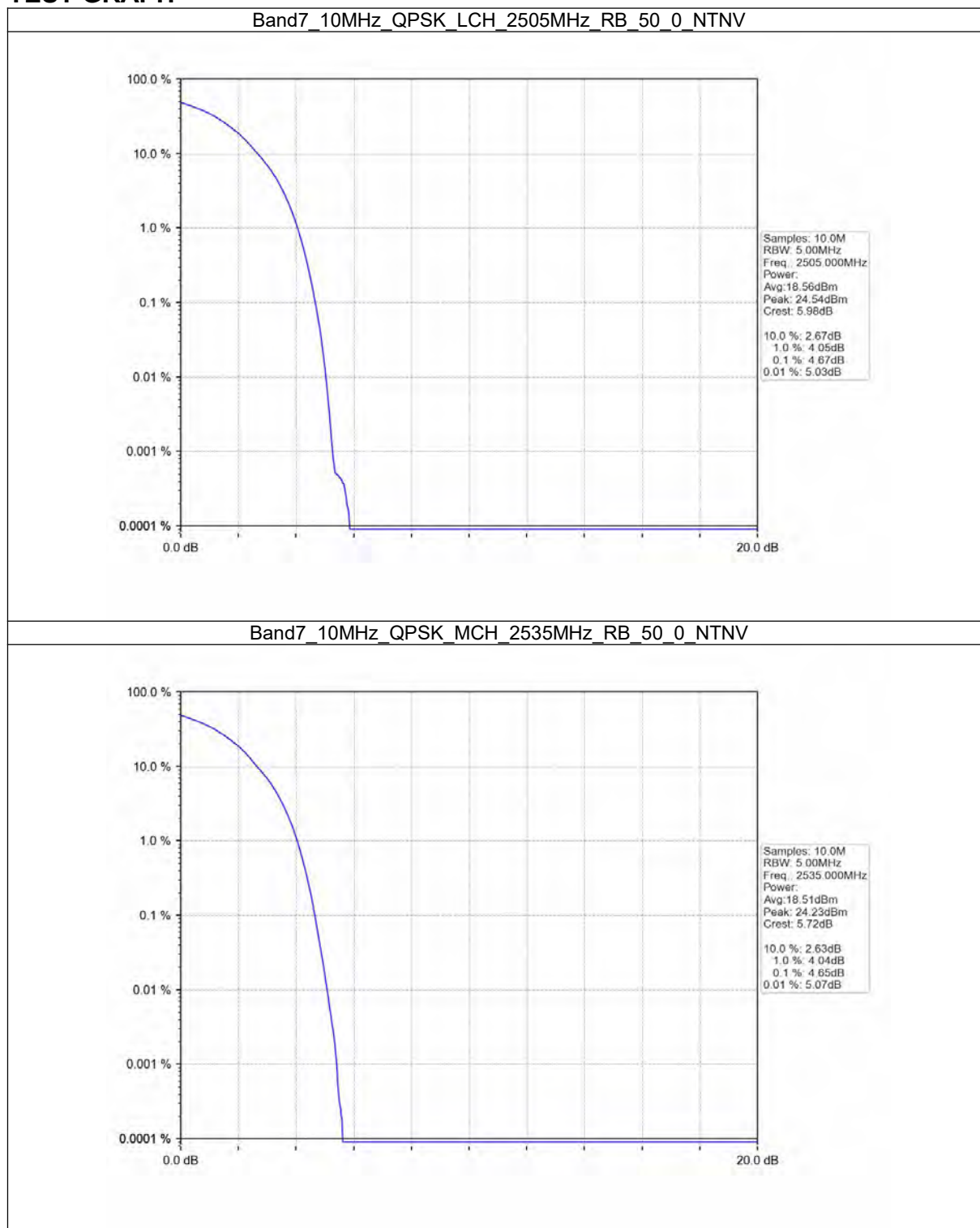


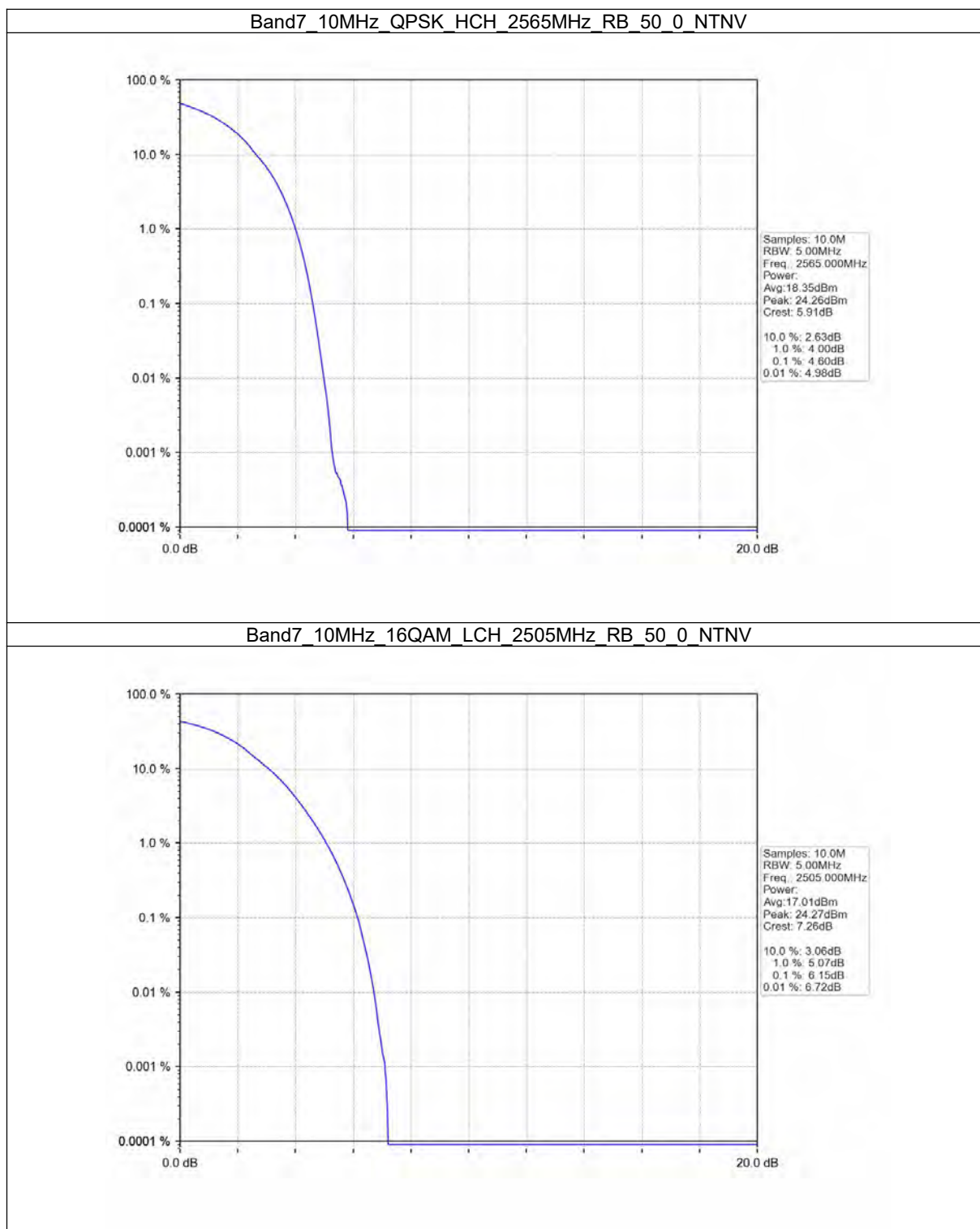
Test Report No.: W7L-P21100018-2RF06

B7_10MHZ TEST RESULT

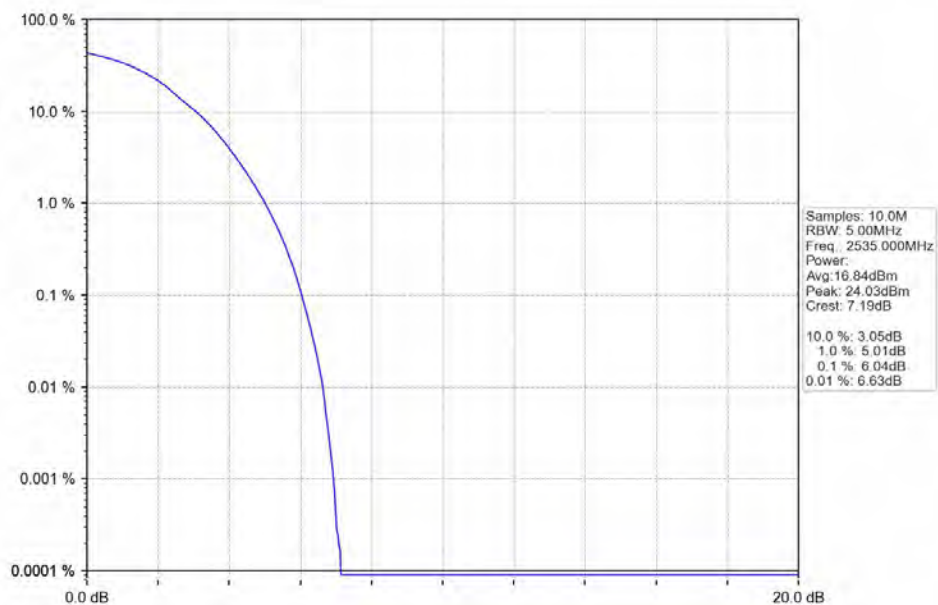
Band: 7 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2505	50	0	4.67	<=13	Pass
	2535	50	0	4.65	<=13	Pass
	2565	50	0	4.60	<=13	Pass
16QAM	2505	50	0	6.15	<=13	Pass
	2535	50	0	6.04	<=13	Pass
	2565	50	0	6.07	<=13	Pass
64QAM	2505	50	0	6.41	<=13	Pass
	2535	50	0	6.39	<=13	Pass
	2565	50	0	6.37	<=13	Pass

TEST GRAPH

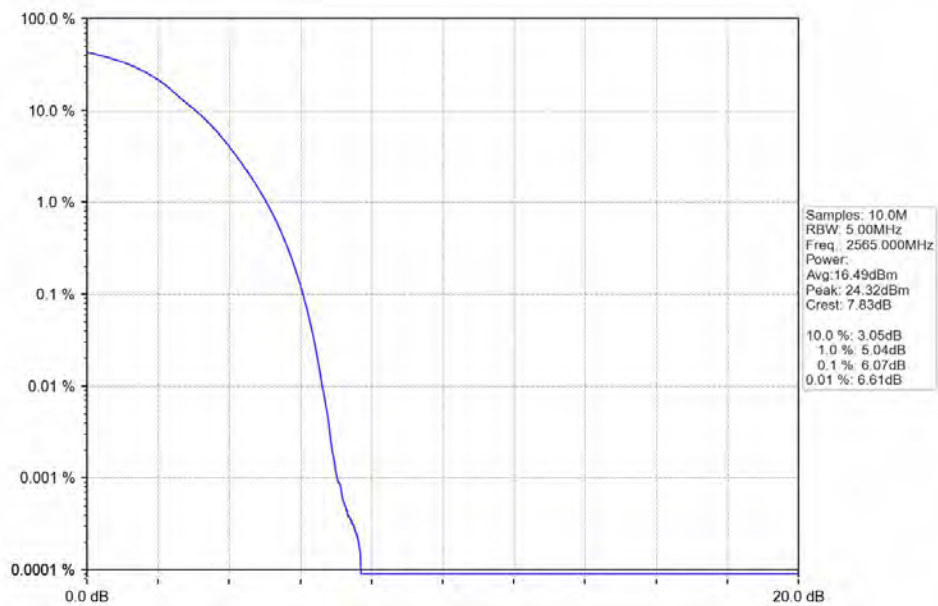




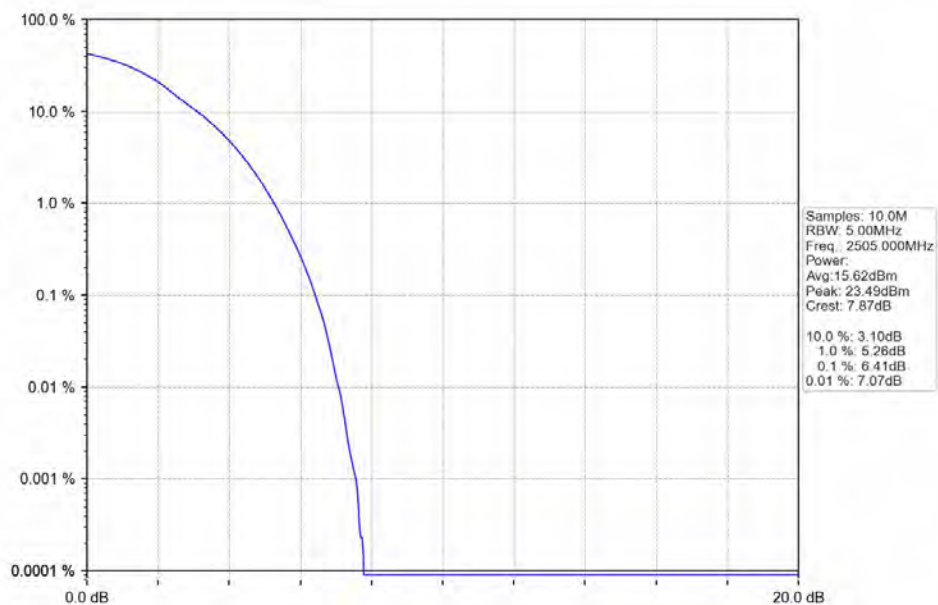
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



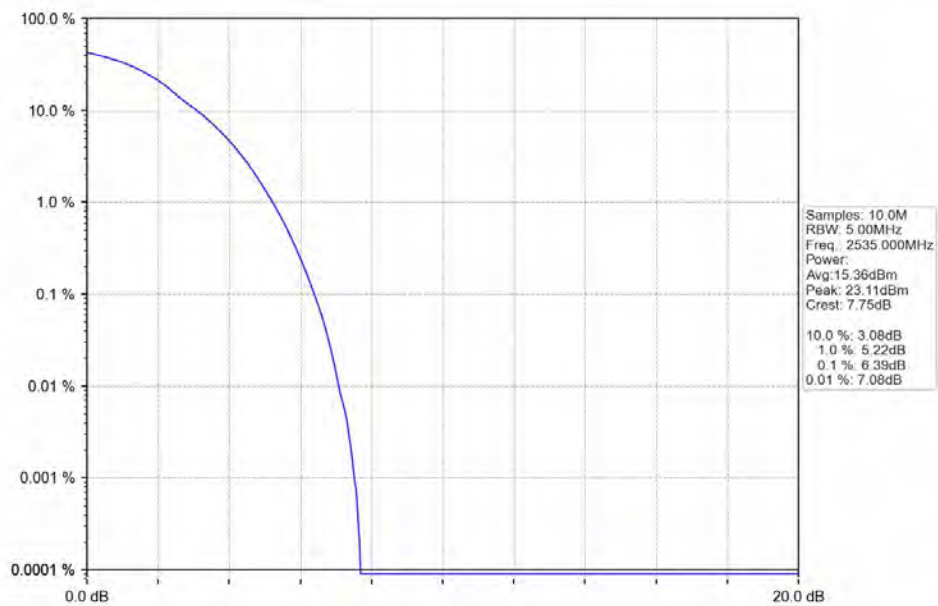
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV

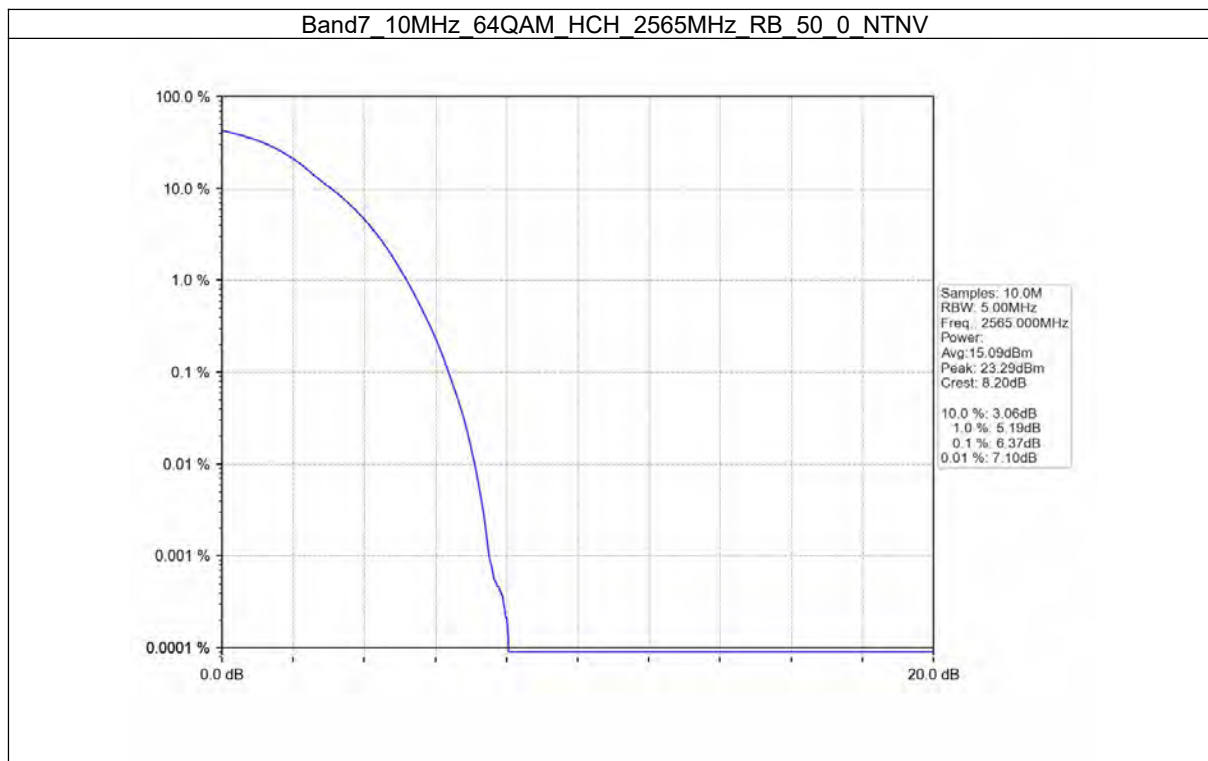


Band7_10MHz_64QAM_LCH_2505MHz_RB_50_0_NTNV



Band7_10MHz_64QAM_MCH_2535MHz_RB_50_0_NTNV







Test Report No.: W7L-P21100018-2RF06

B7_15MHZ TEST RESULT

Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	75	0	5.77	<=13	Pass
	2535	75	0	5.75	<=13	Pass
	2562.5	75	0	5.77	<=13	Pass
16QAM	2507.5	75	0	6.72	<=13	Pass
	2535	75	0	6.78	<=13	Pass
	2562.5	75	0	6.78	<=13	Pass
64QAM	2507.5	75	0	6.98	<=13	Pass
	2535	75	0	6.92	<=13	Pass
	2562.5	75	0	6.88	<=13	Pass

TEST GRAPH

