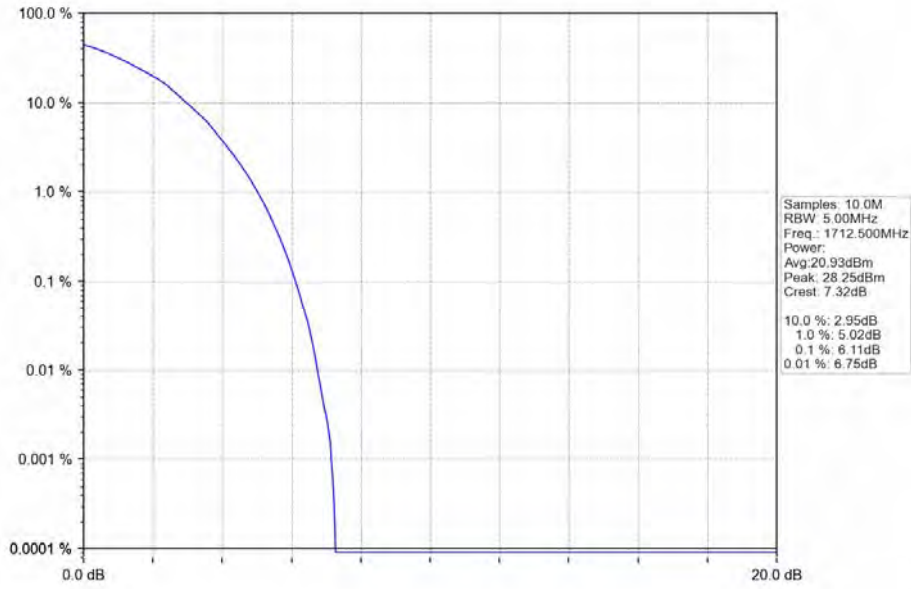
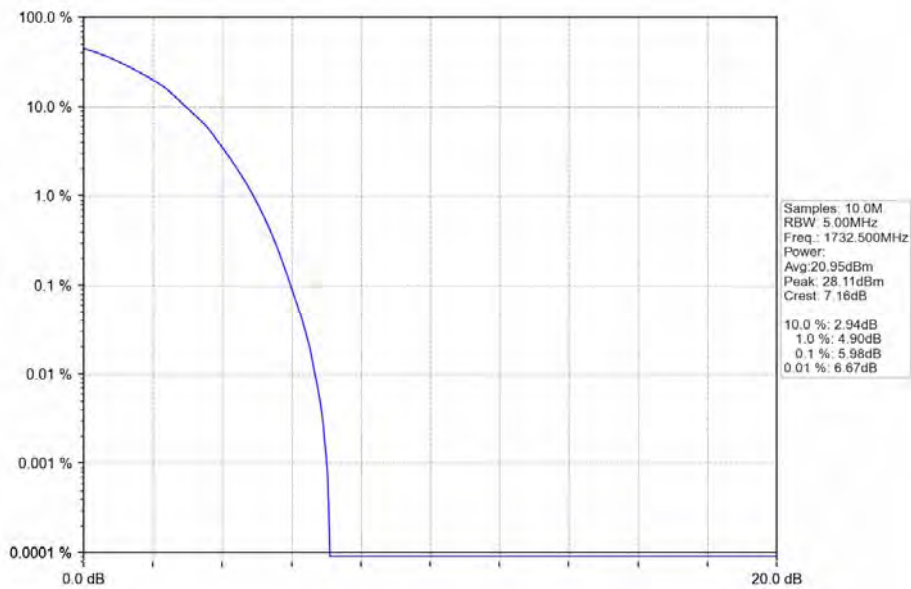




Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV

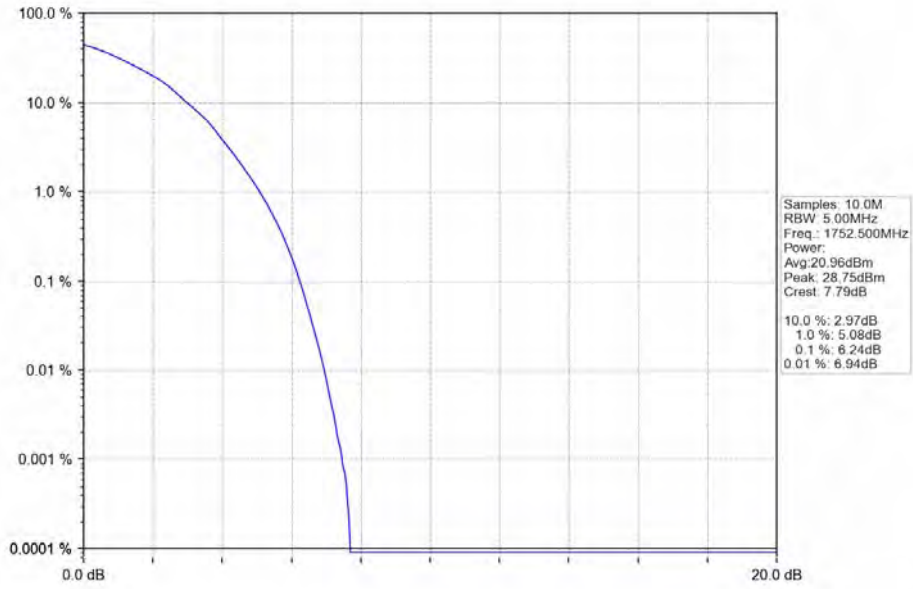


Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV





Band4_5MHz_64QAM_HCH_1752.5MHz_RB_25_0_NTNV





B4_10MHz

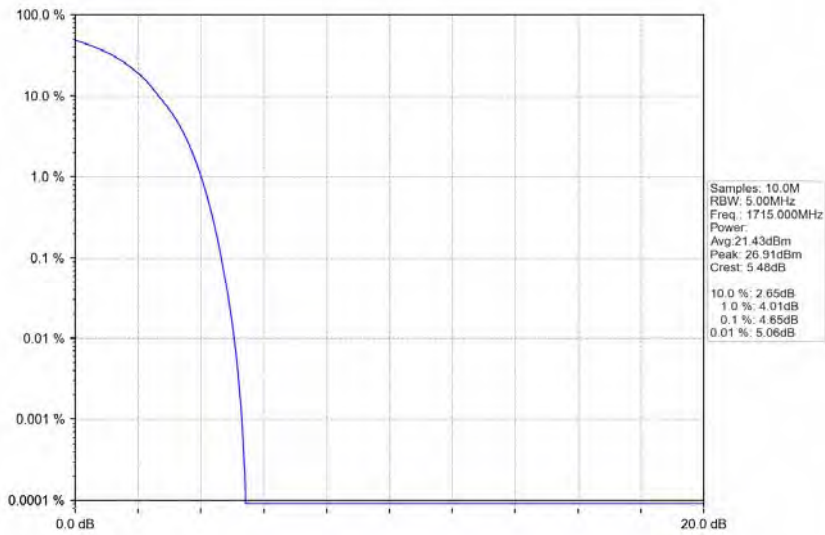
Test Result

Band: 4 / Bandwidth: 10MHz / NTN						
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	4.62	<=13	Pass
16QAM	1715	50	0	6.00	<=13	Pass
	1732.5	50	0	5.85	<=13	Pass
	1750	50	0	6.02	<=13	Pass
64QAM	1715	50	0	6.30	<=13	Pass
	1732.5	50	0	6.22	<=13	Pass
	1750	50	0	6.32	<=13	Pass

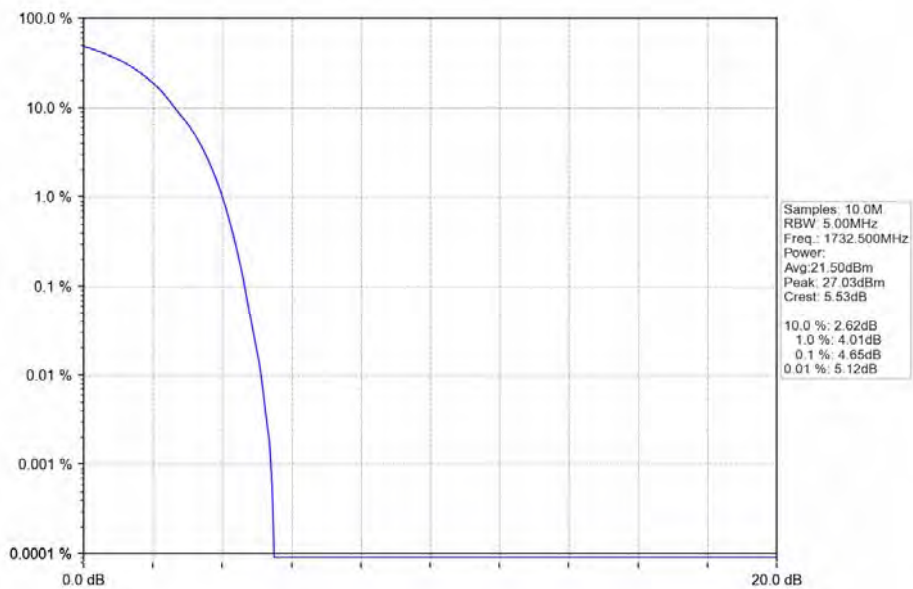


Test Graph

Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

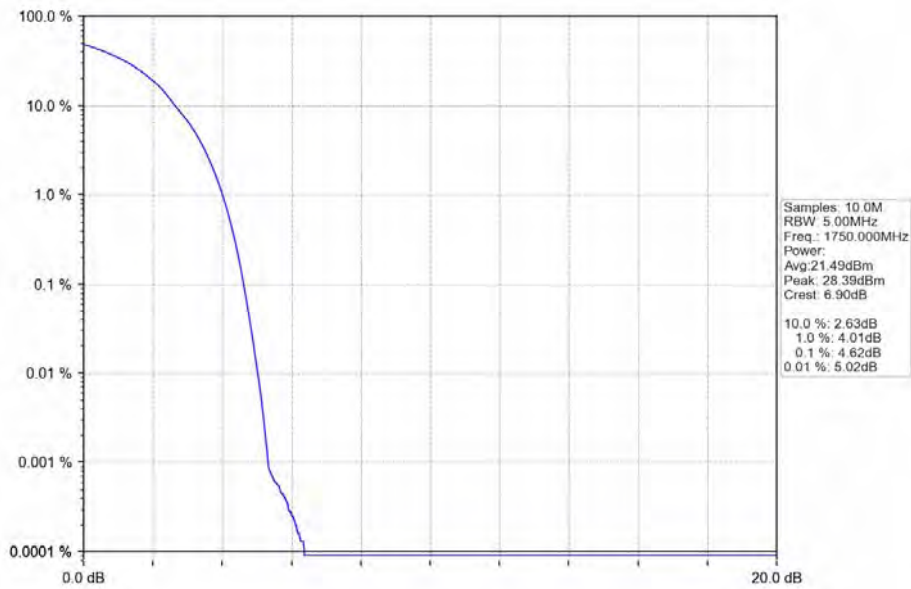


Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

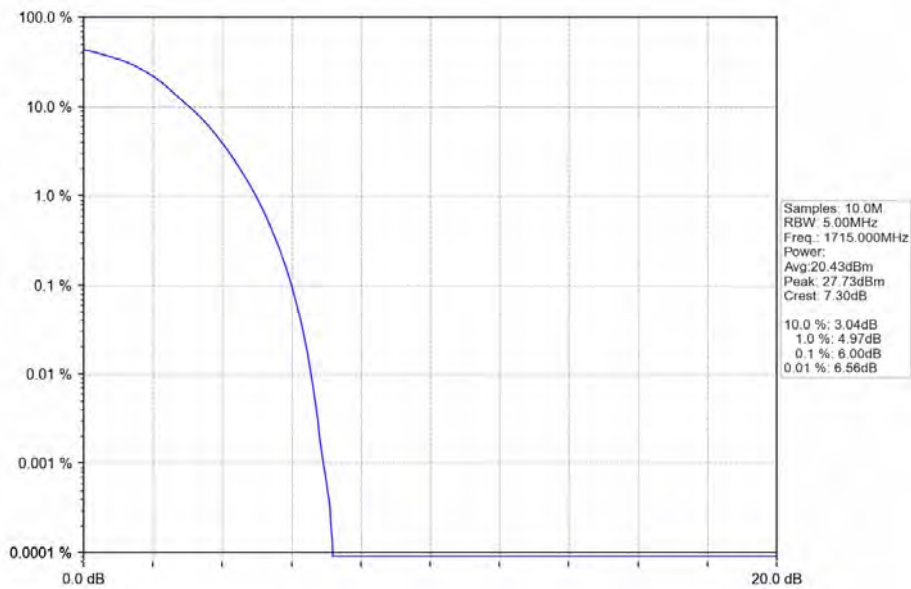




Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

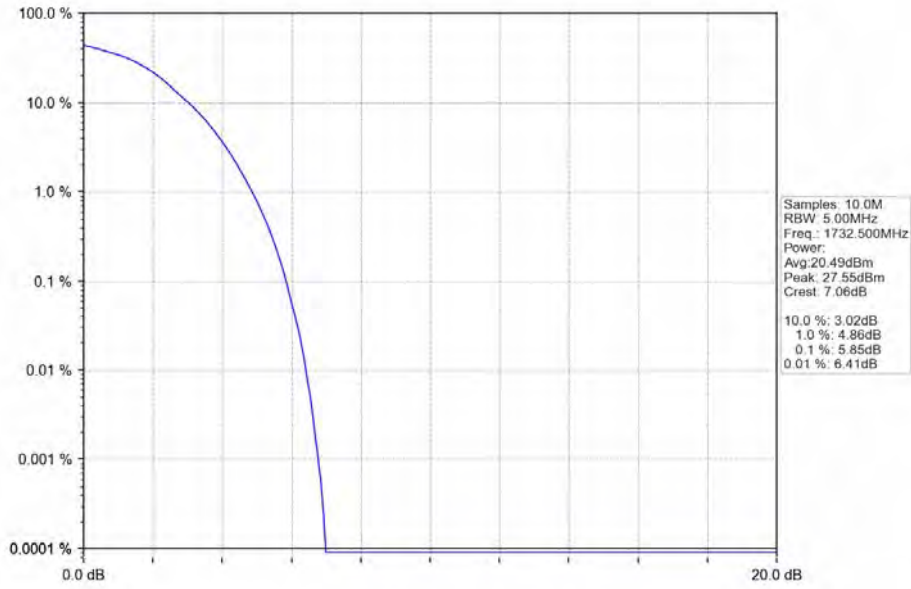


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

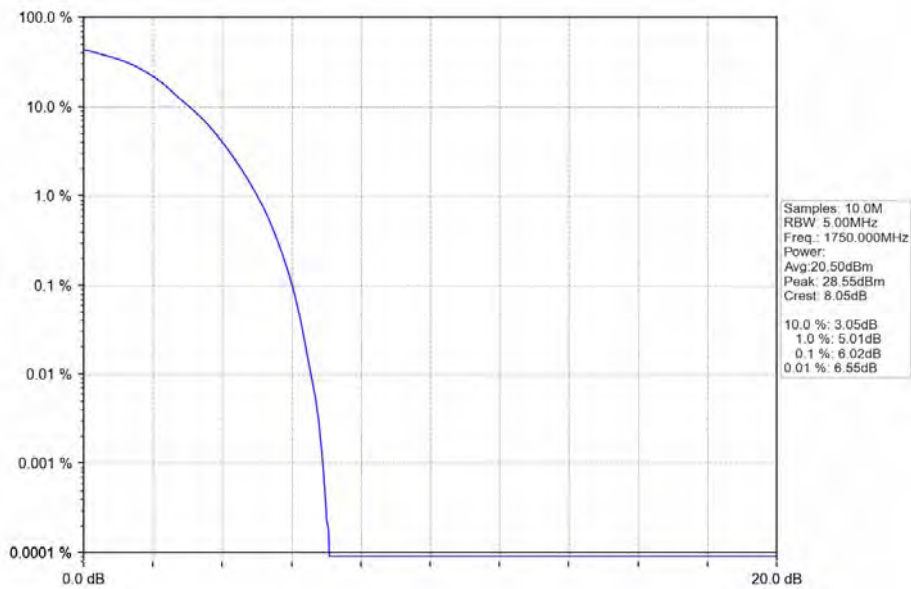




Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

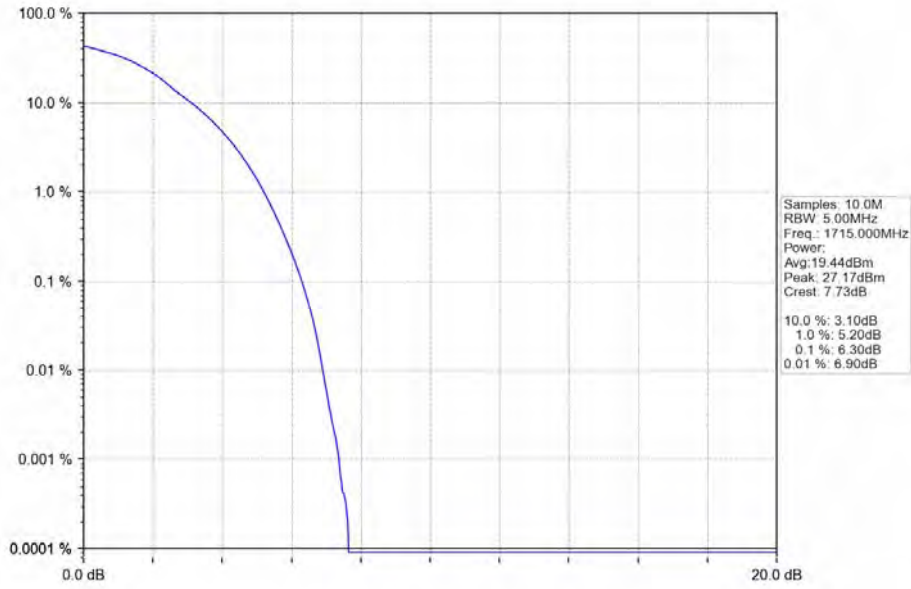


Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

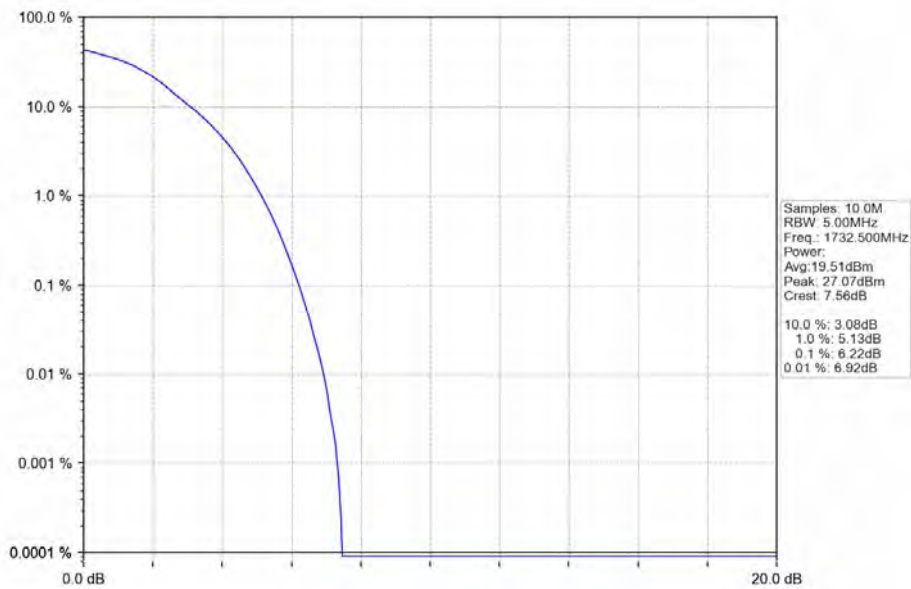




Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV

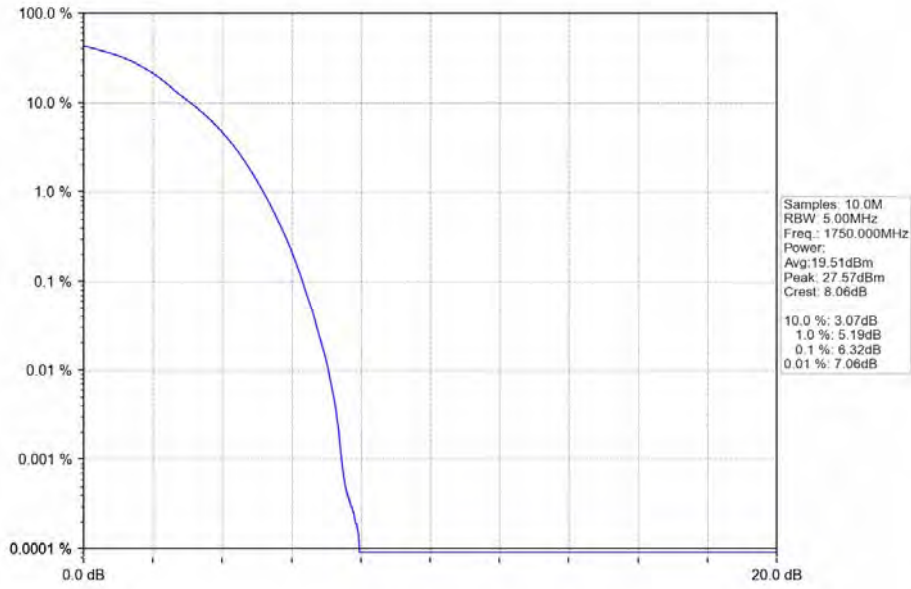


Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV





Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV





B4_15MHz

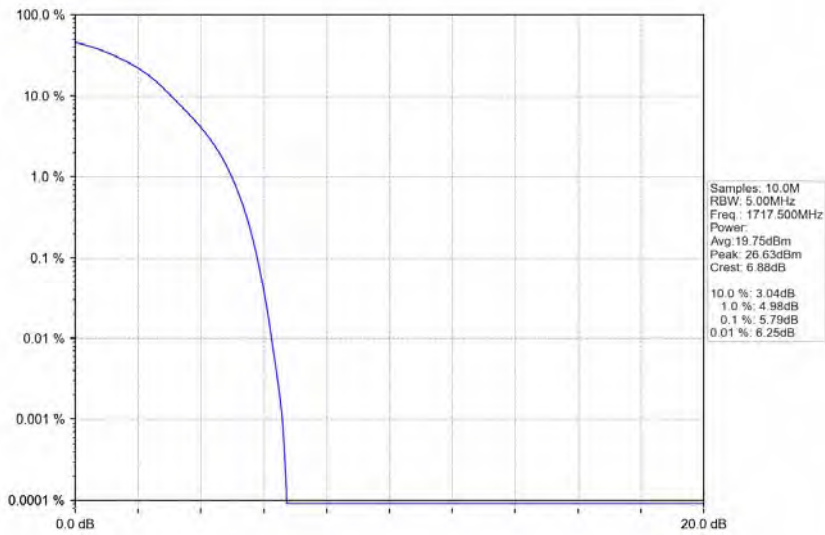
Test Result

Band: 4 / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.79	<=13	Pass
	1732.5	75	0	5.80	<=13	Pass
	1747.5	75	0	5.77	<=13	Pass
16QAM	1717.5	75	0	6.71	<=13	Pass
	1732.5	75	0	6.76	<=13	Pass
	1747.5	75	0	6.81	<=13	Pass
64QAM	1717.5	75	0	6.97	<=13	Pass
	1732.5	75	0	6.90	<=13	Pass
	1747.5	75	0	6.89	<=13	Pass



Test Graph

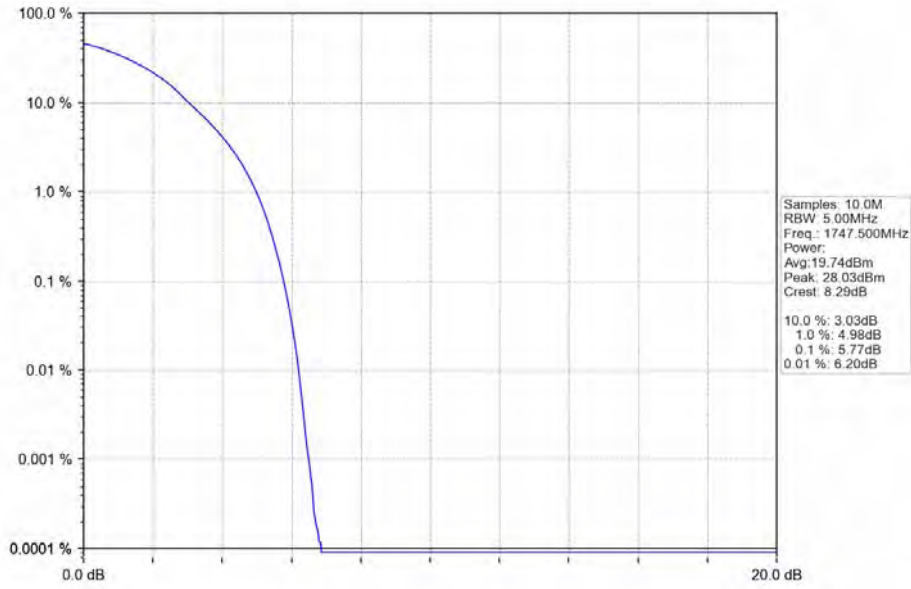
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



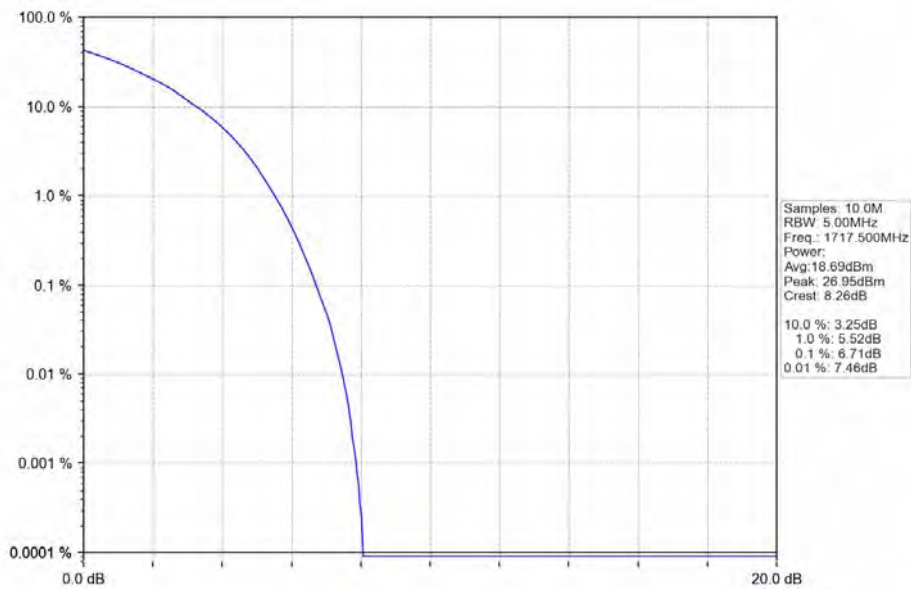
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

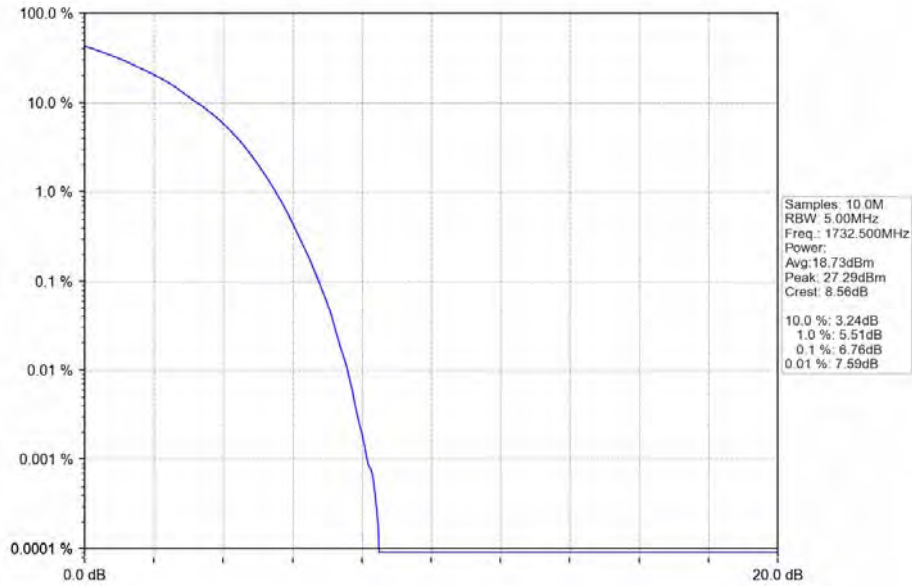


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

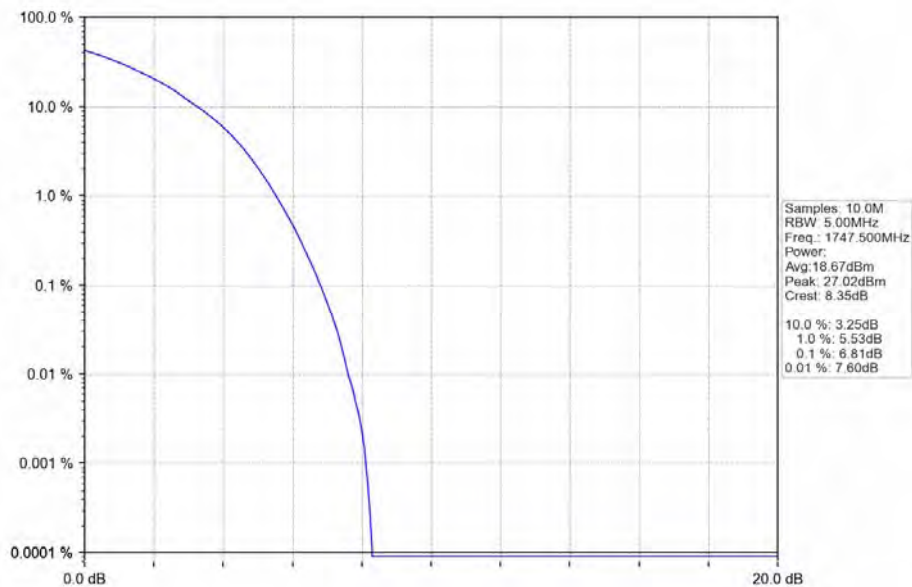




Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

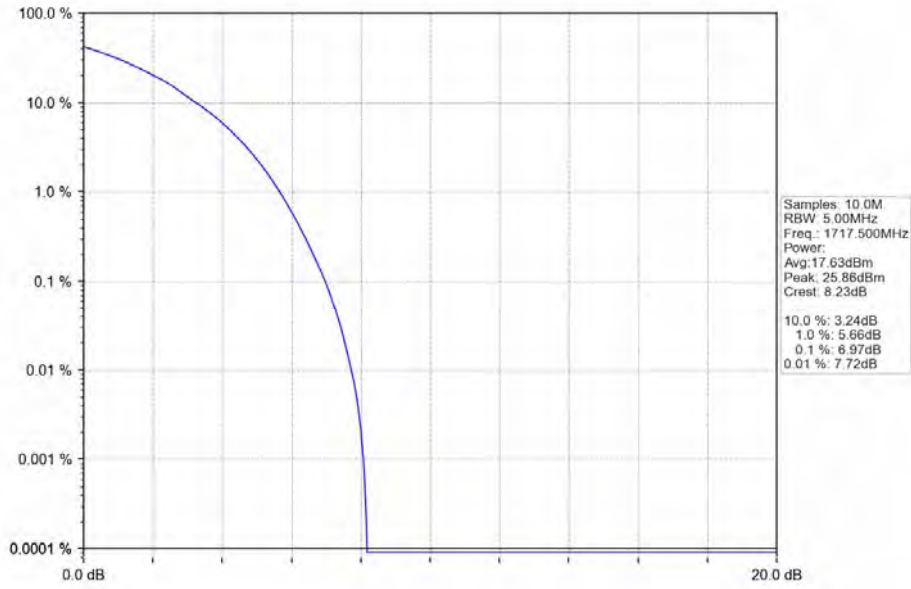


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

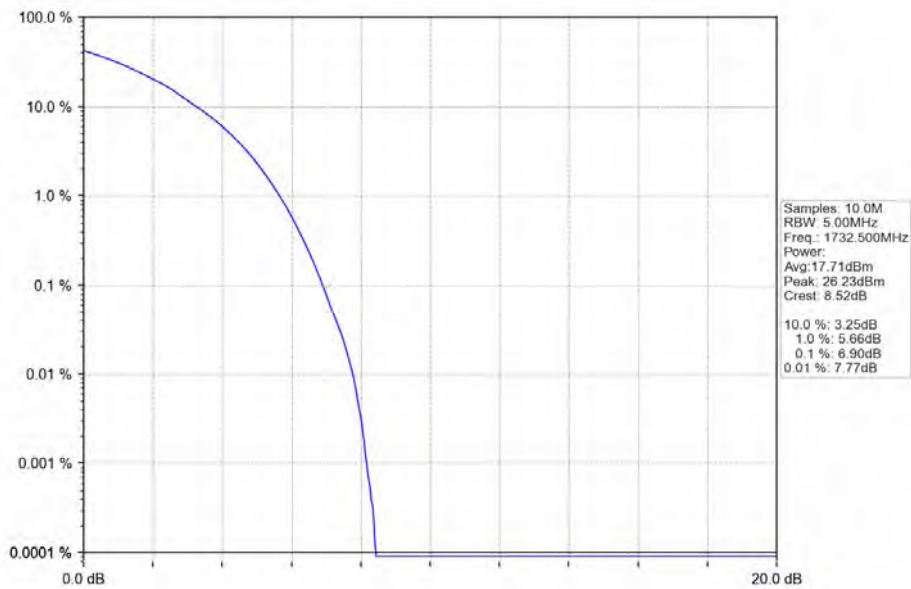




Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV

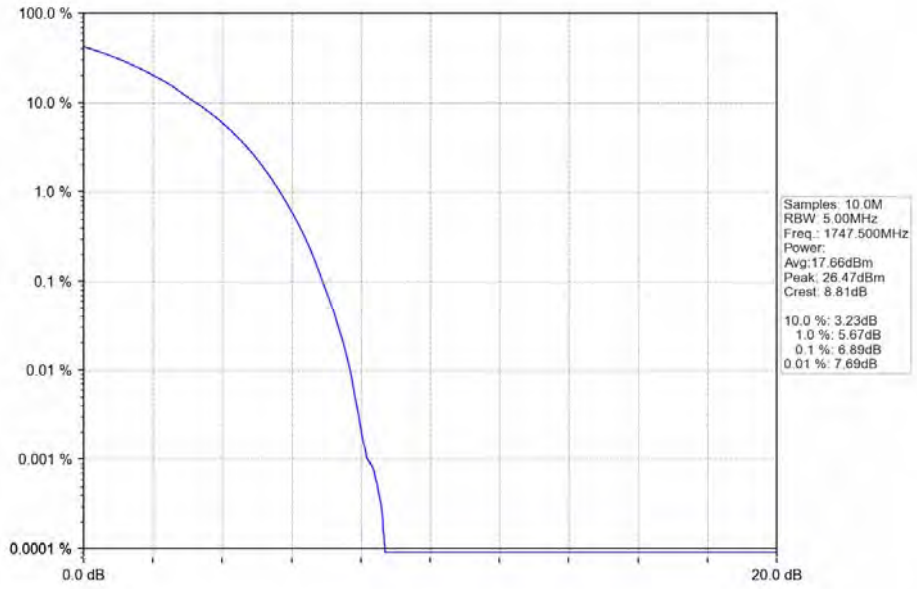


Band4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV





Band4_15MHz_64QAM_HCH_1747.5MHz_RB_75_0_NTNV





B4_20MHz

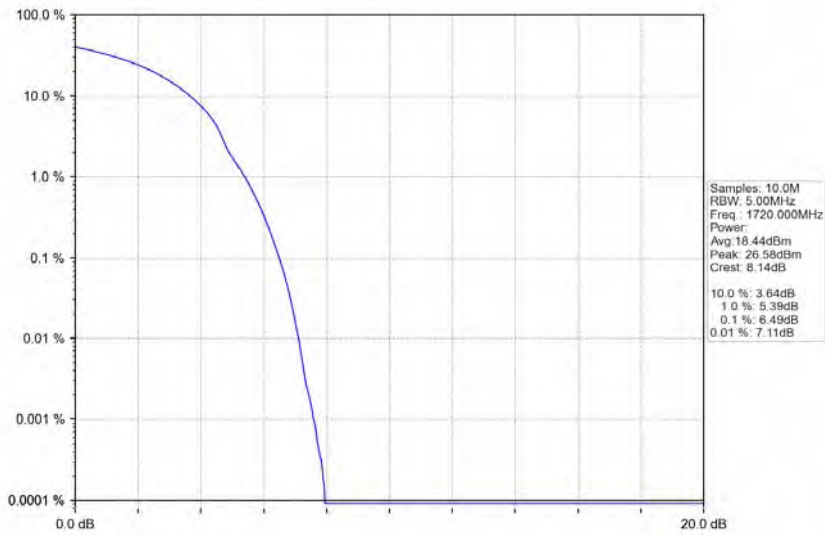
Test Result

Band: 4 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	6.49	<=13	Pass
	1732.5	100	0	6.50	<=13	Pass
	1745	100	0	6.48	<=13	Pass
16QAM	1720	100	0	7.17	<=13	Pass
	1732.5	100	0	7.16	<=13	Pass
	1745	100	0	7.10	<=13	Pass
64QAM	1720	100	0	7.20	<=13	Pass
	1732.5	100	0	7.26	<=13	Pass
	1745	100	0	7.25	<=13	Pass

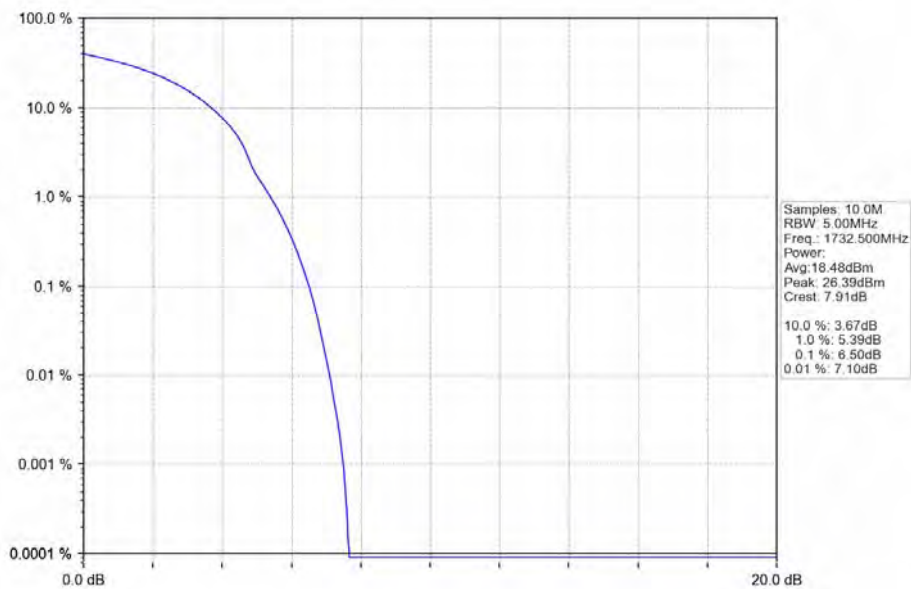


Test Graph

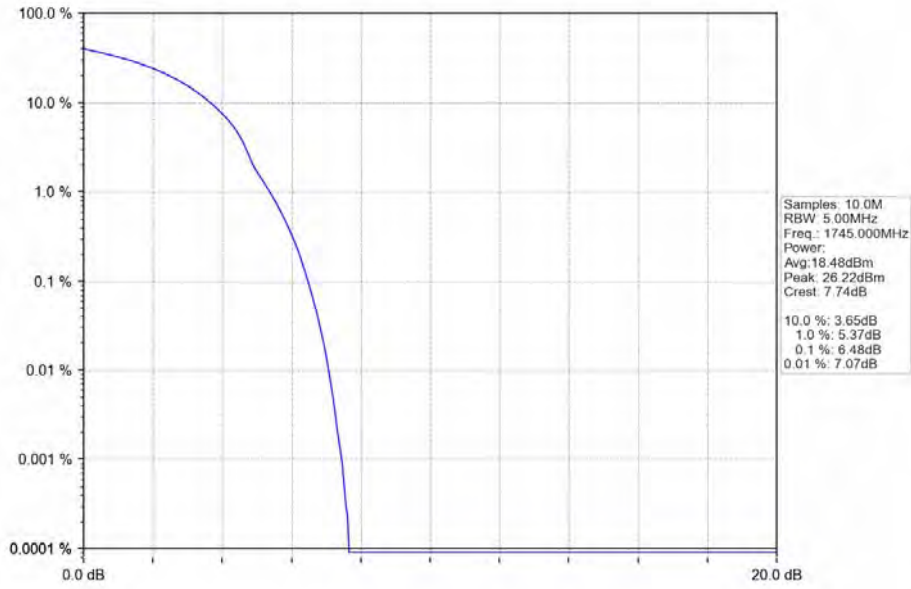
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



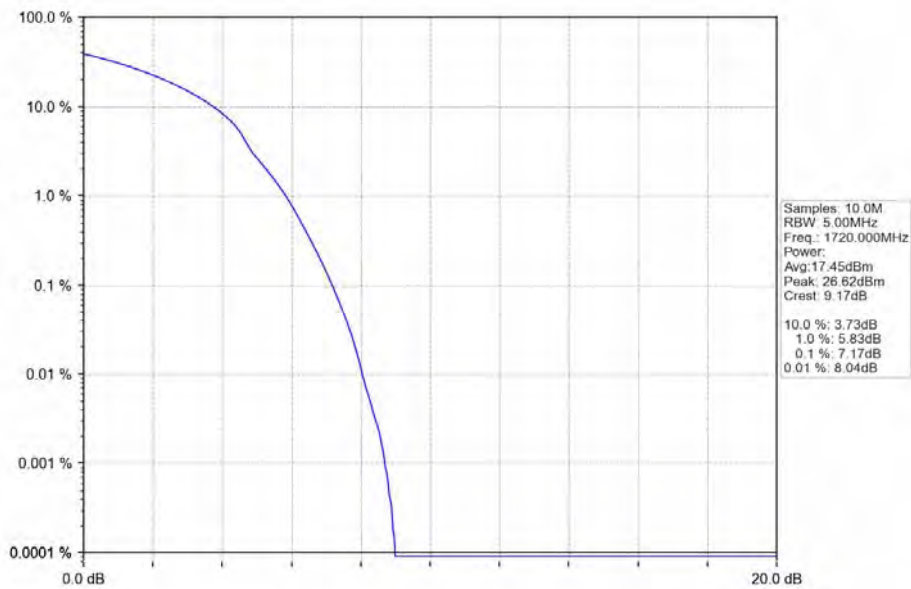
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV

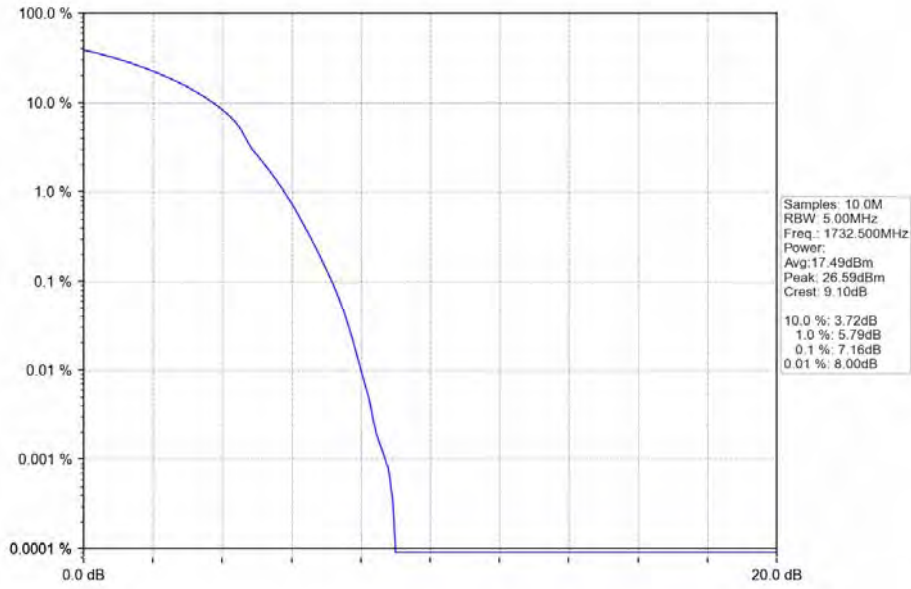


Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

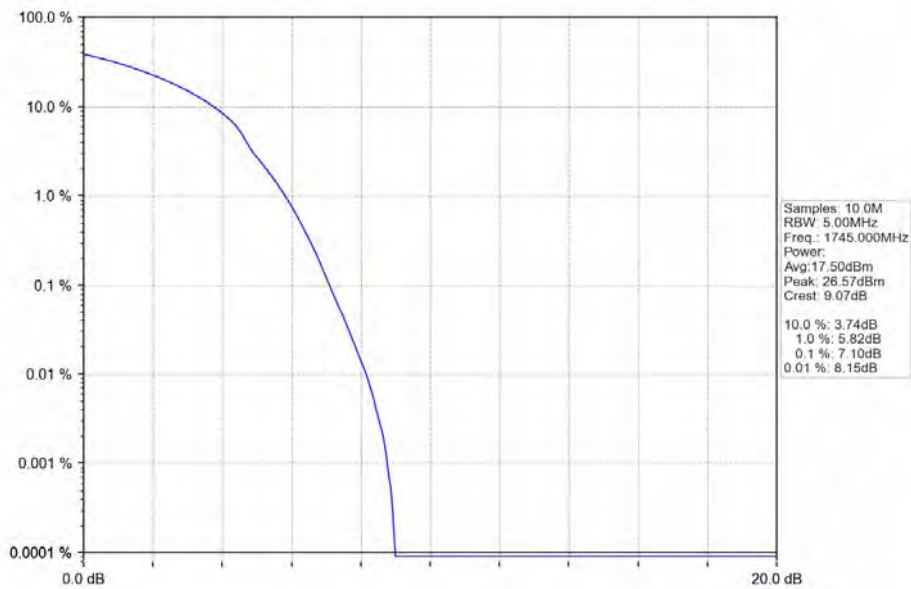




Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

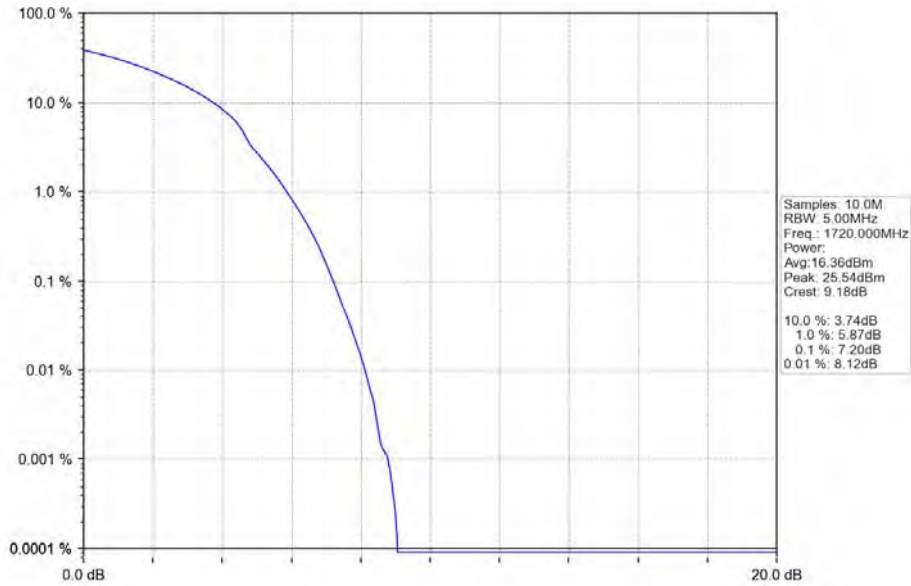


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

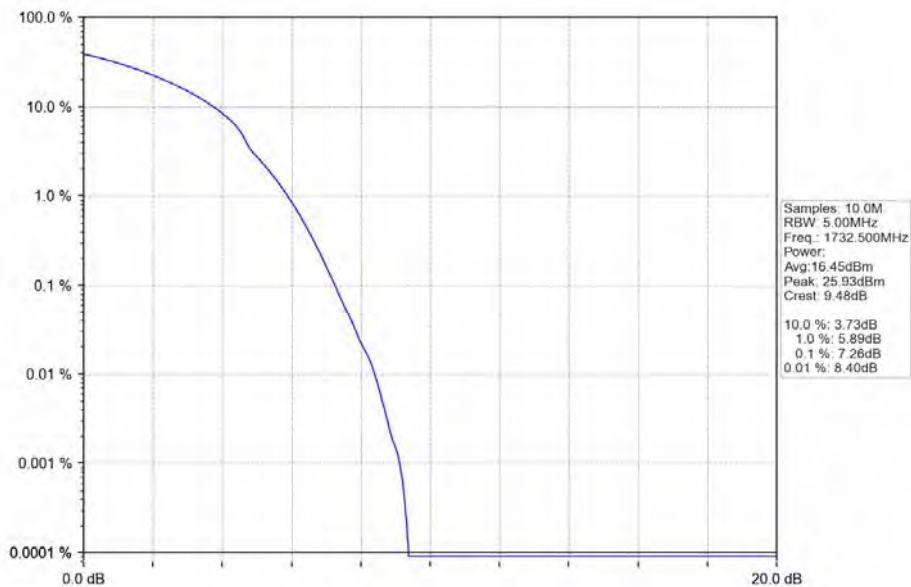




Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV

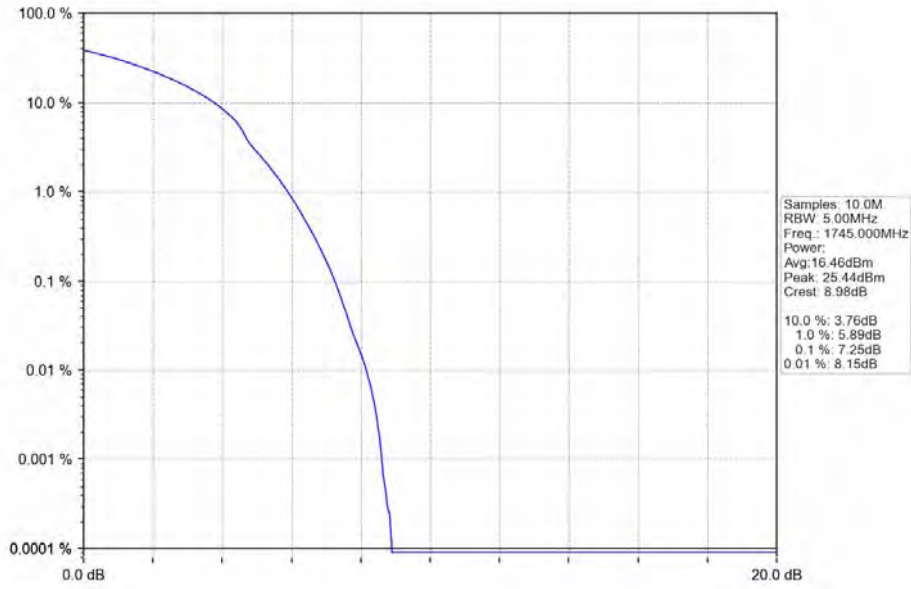


Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV





Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV





Spurious Emission

B4_1.4MHz

Test Result

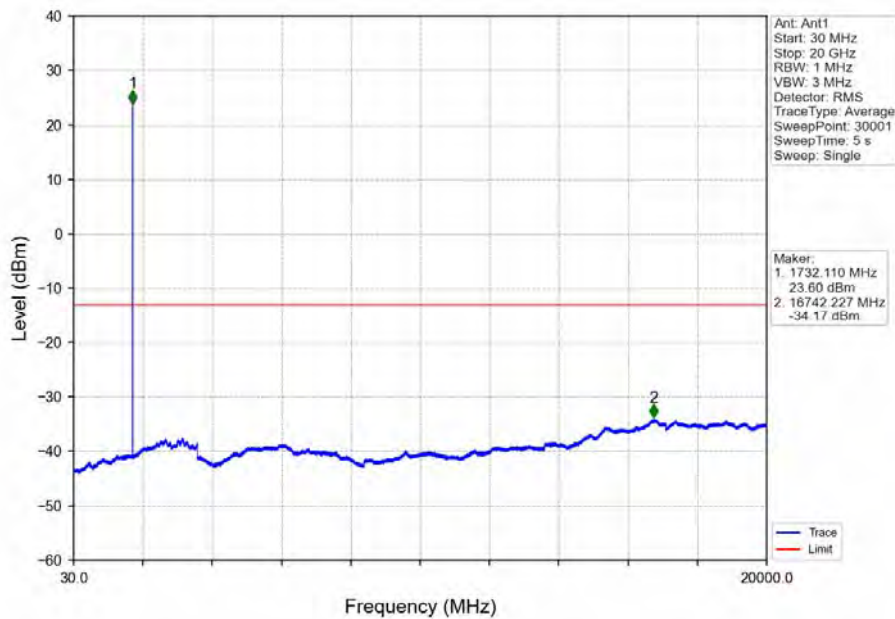
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To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

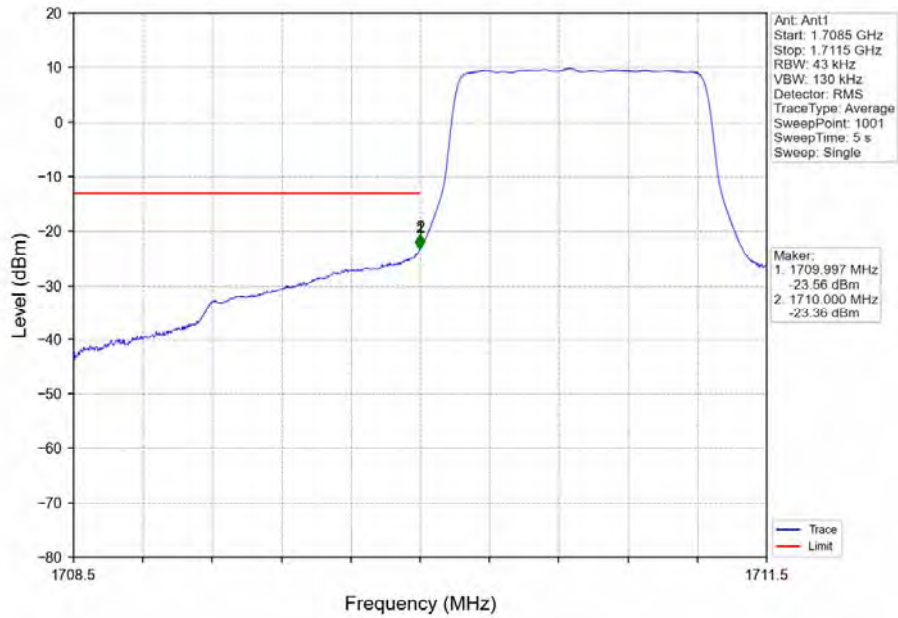
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



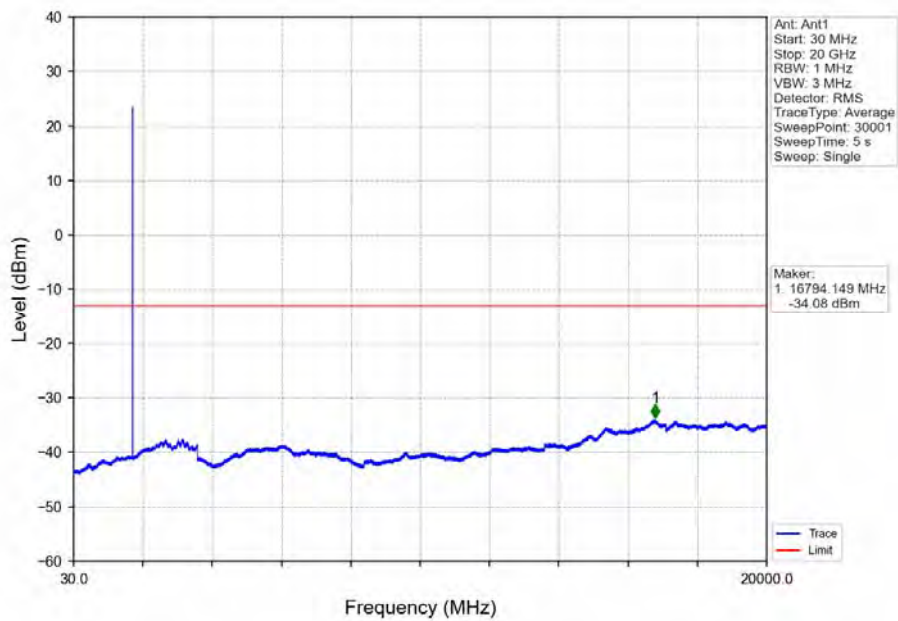
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



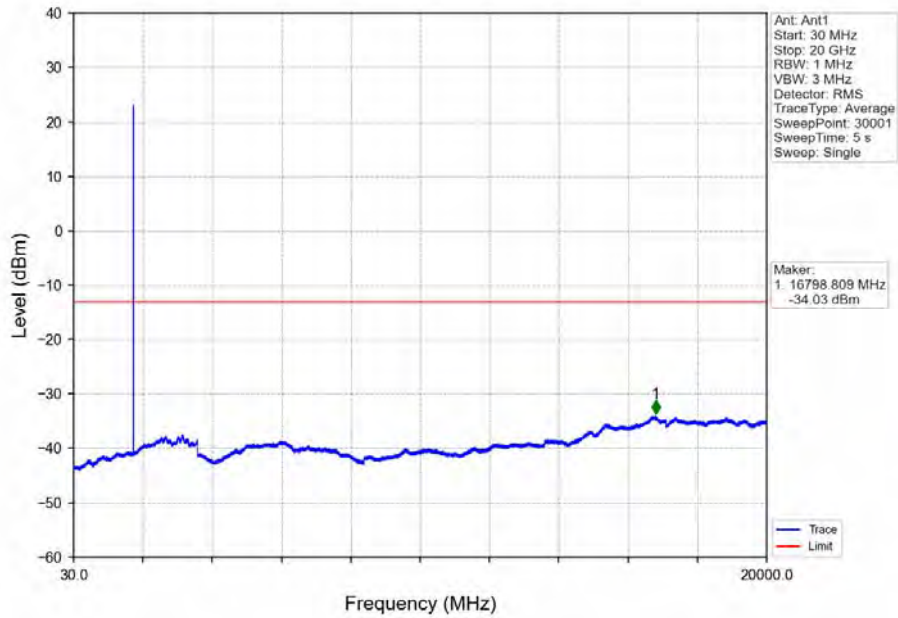
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



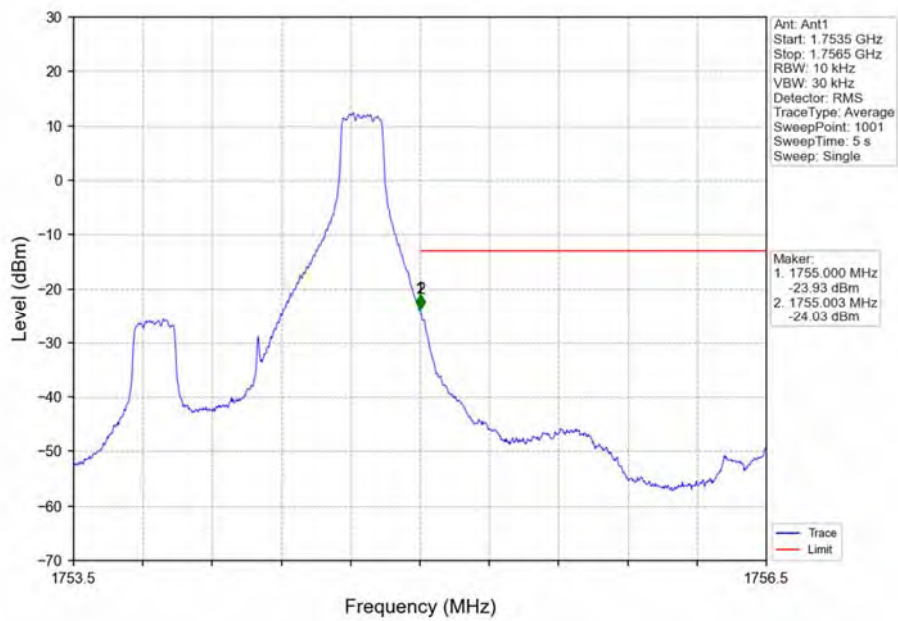
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



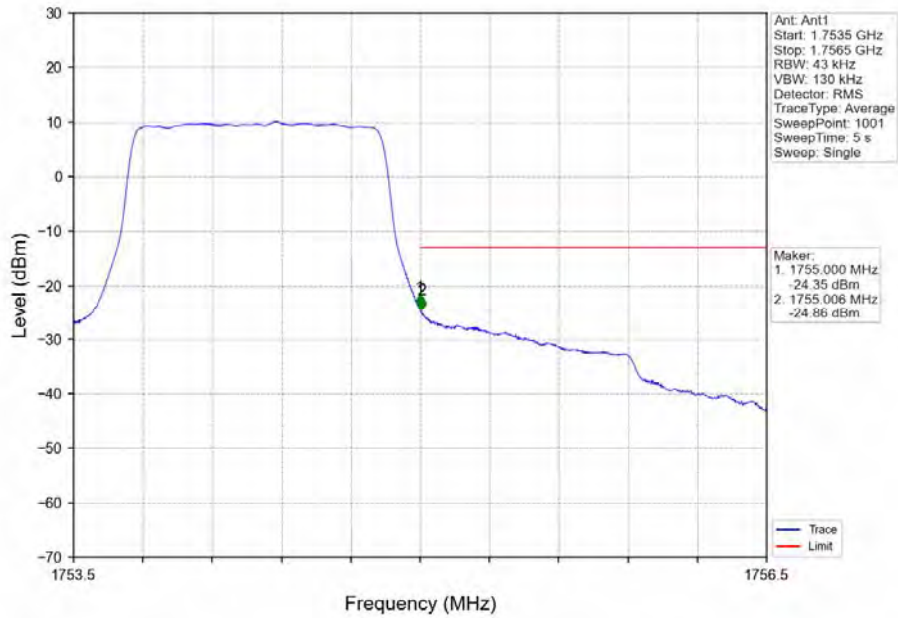
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



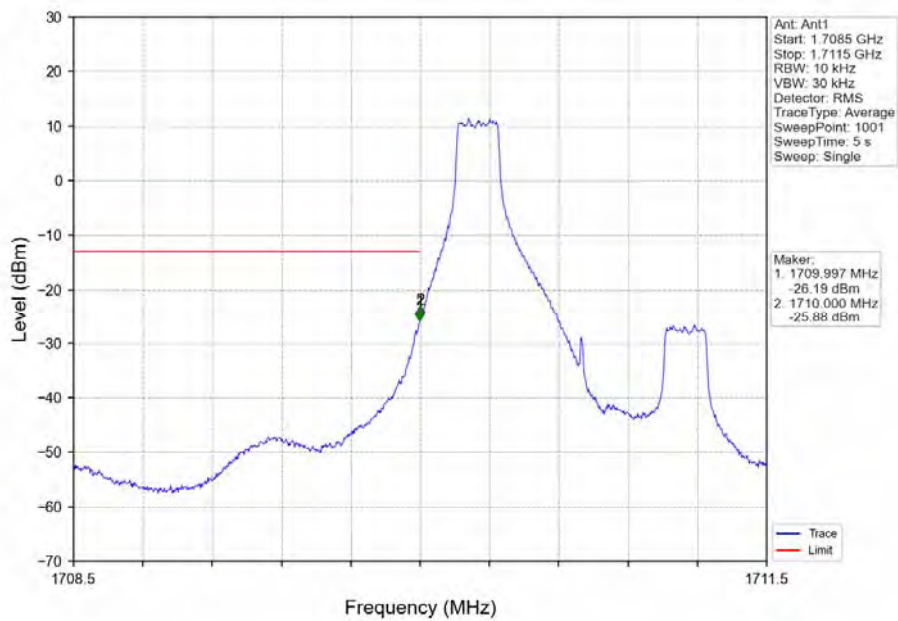
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



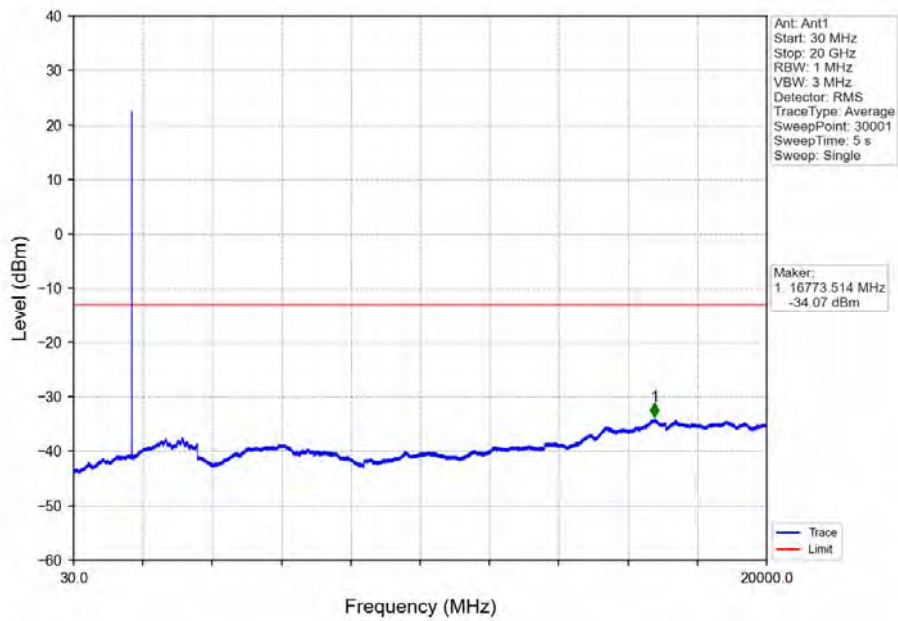
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



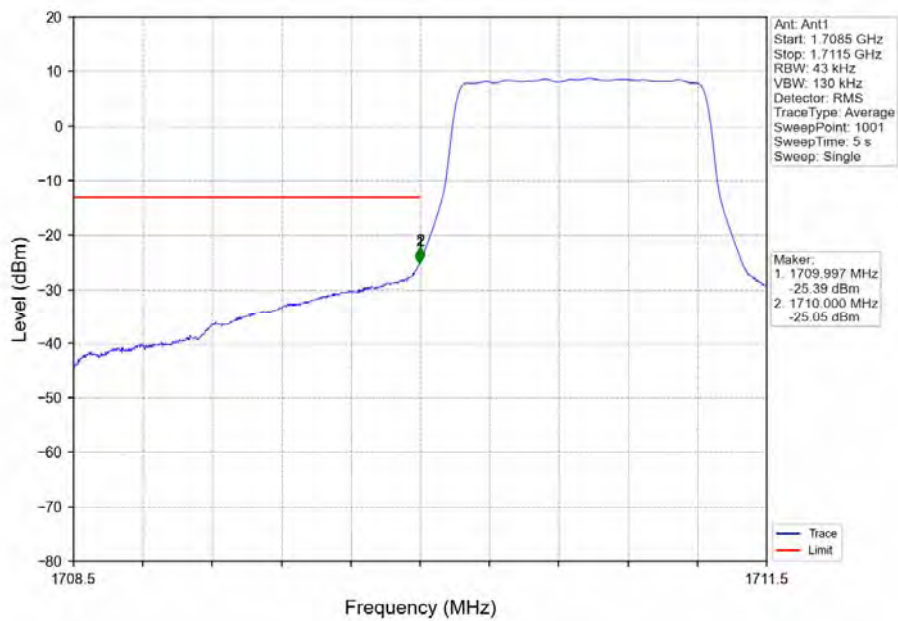
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



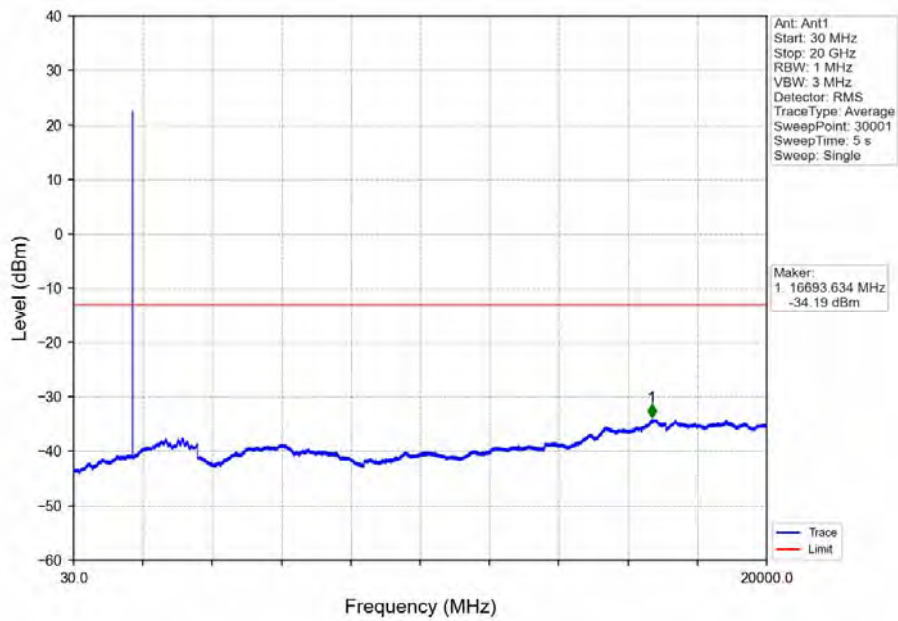
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



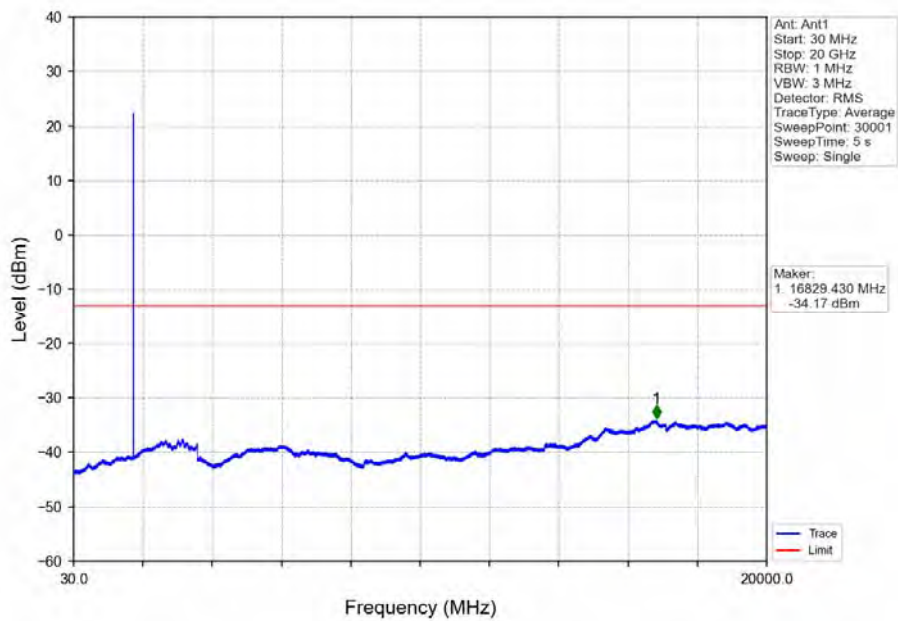
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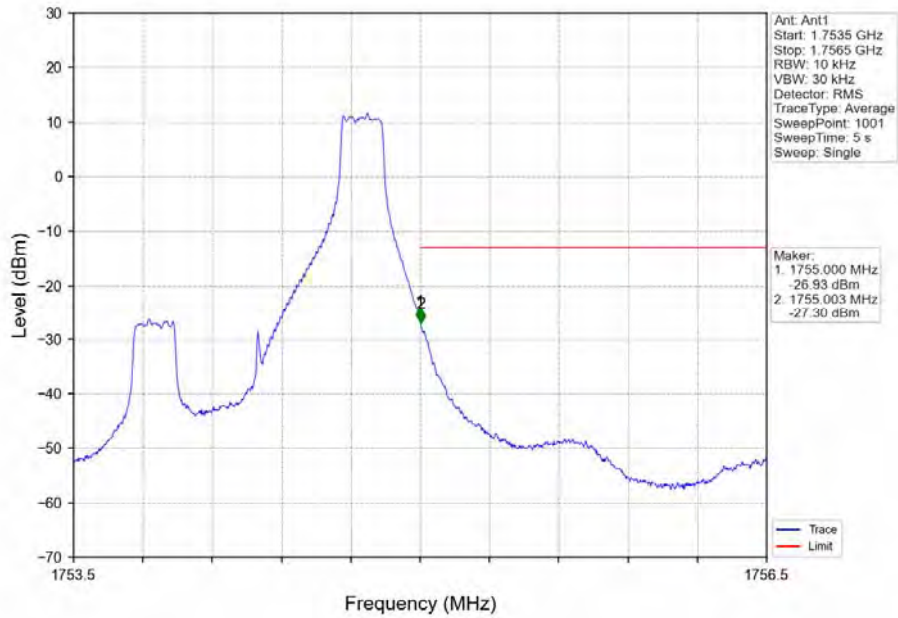
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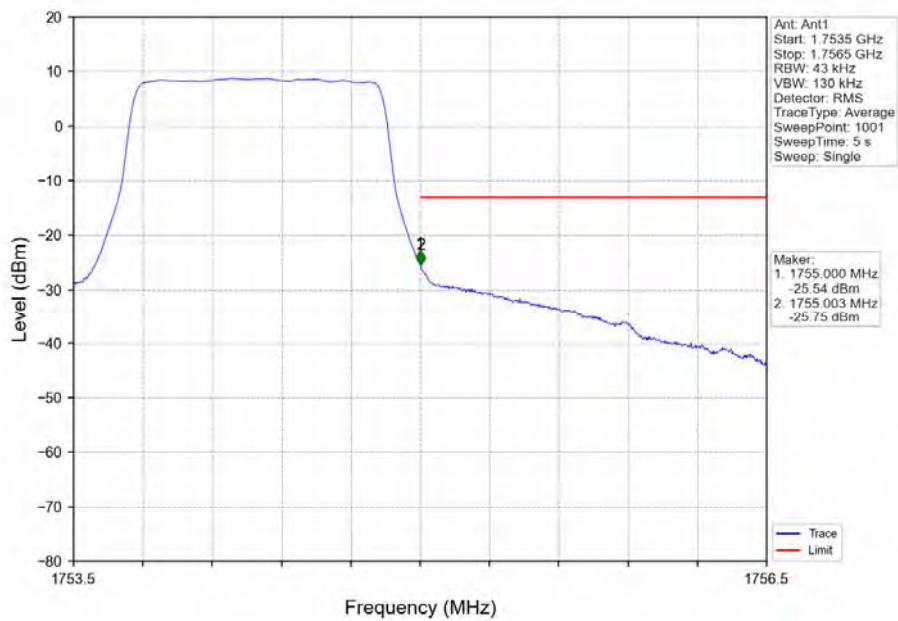
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



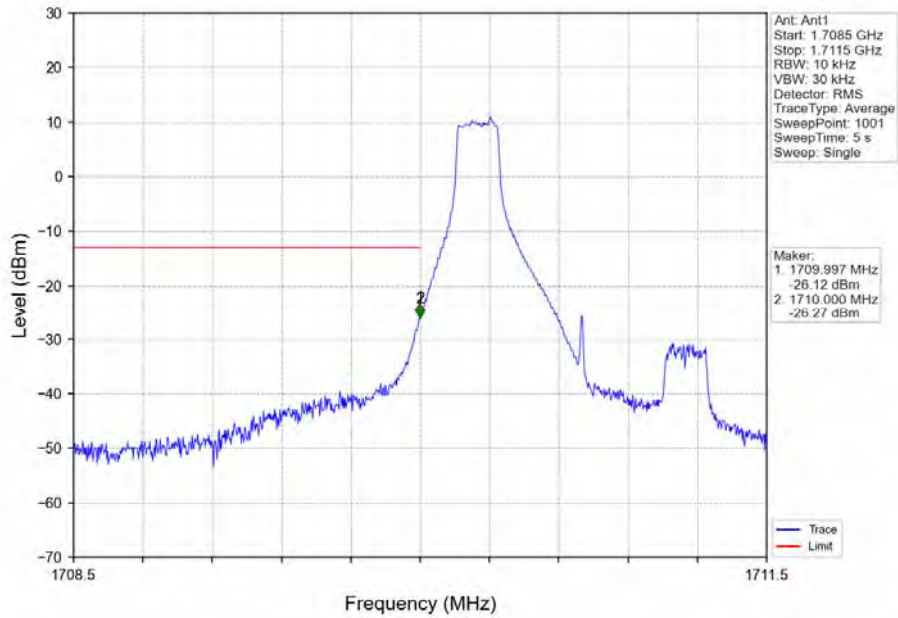
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



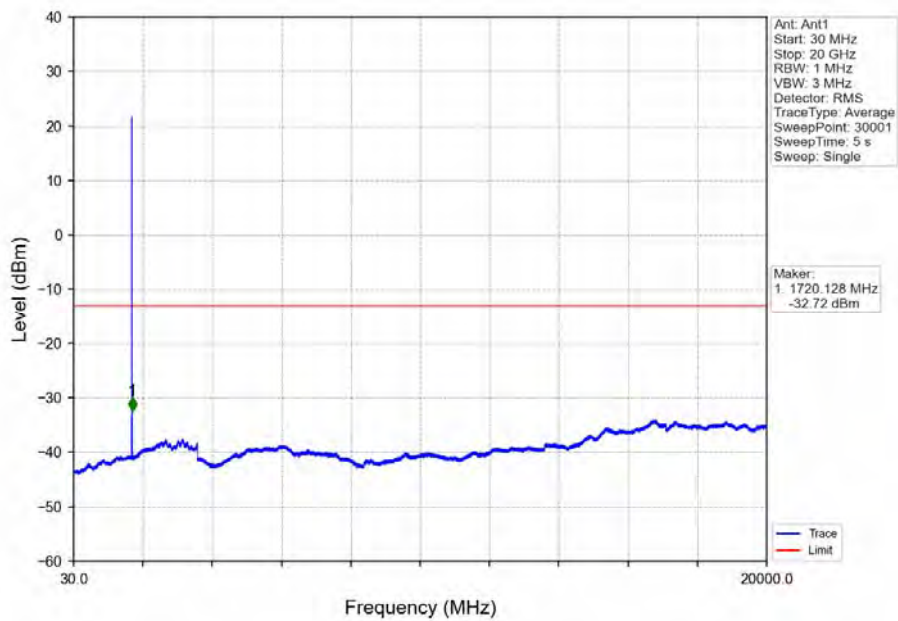
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



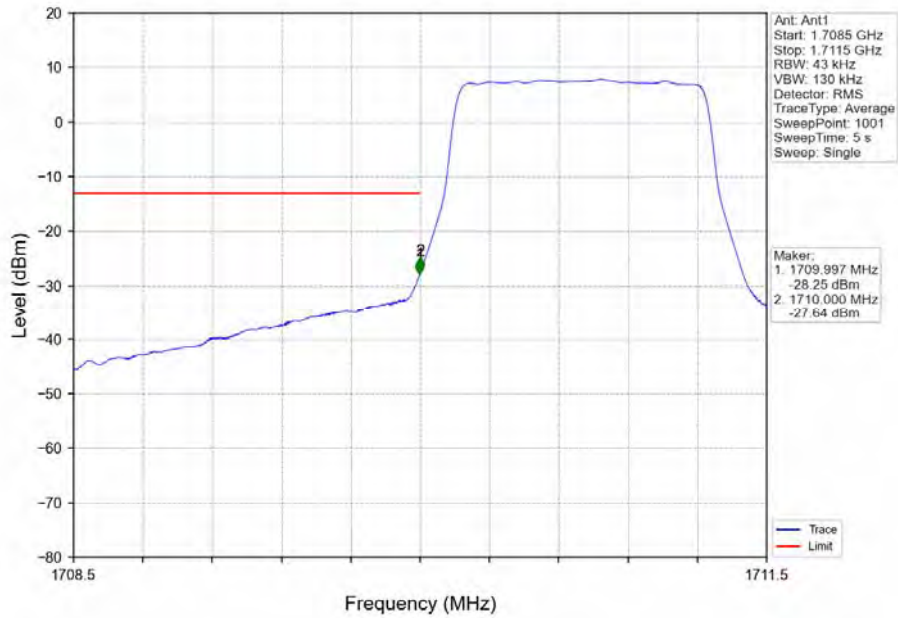
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV



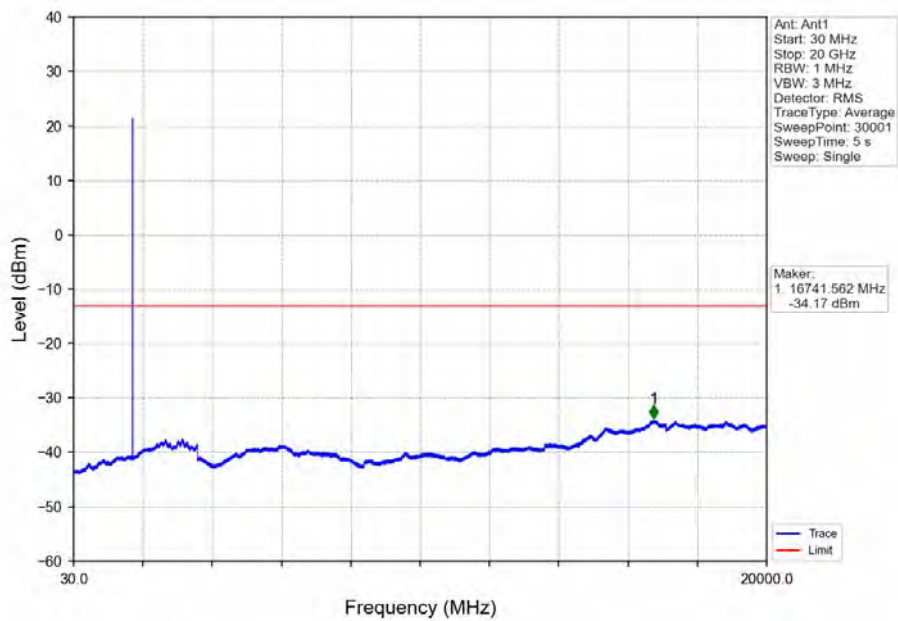
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV



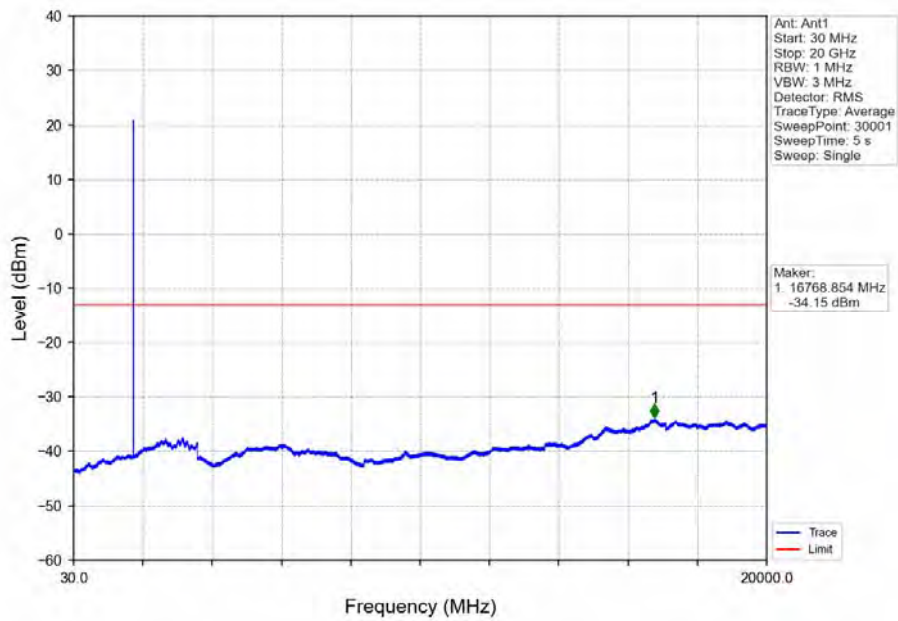
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



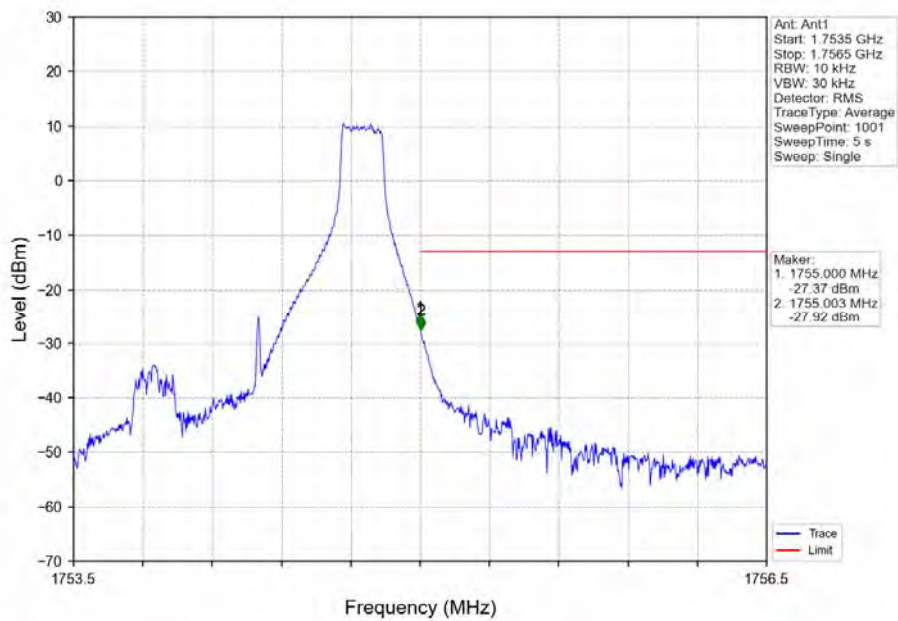
Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



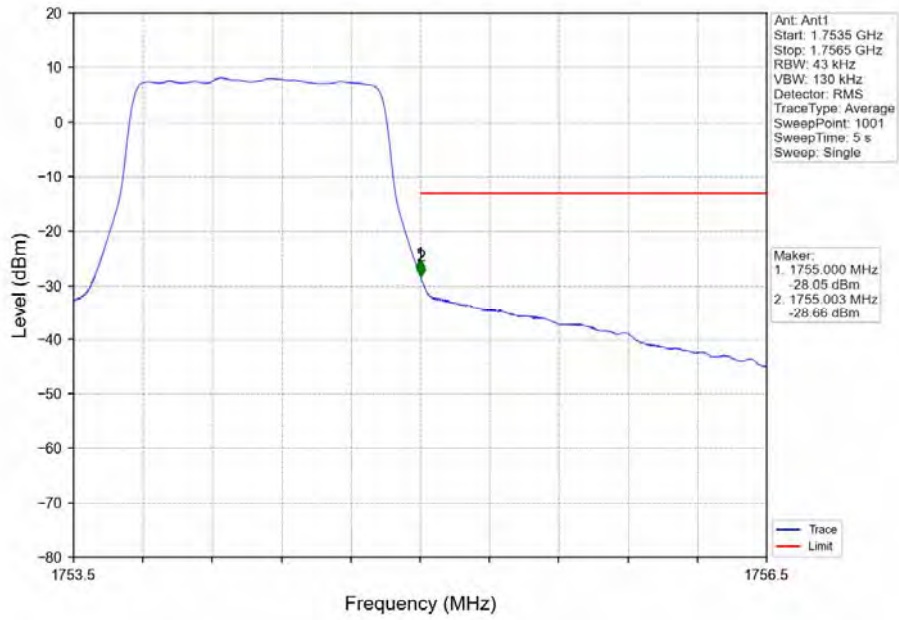
Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_1_5_NTNV



Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_6_0_NTNV





B4_3MHz

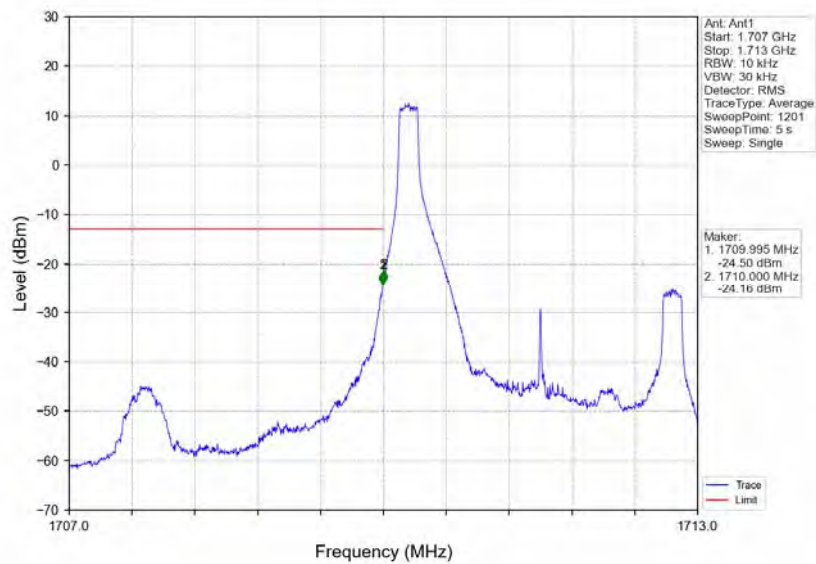
Test Result

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	
			15	0	Refer To Test Graph	
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	
			15	0	Refer To Test Graph	
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	
			15	0	Refer To Test Graph	

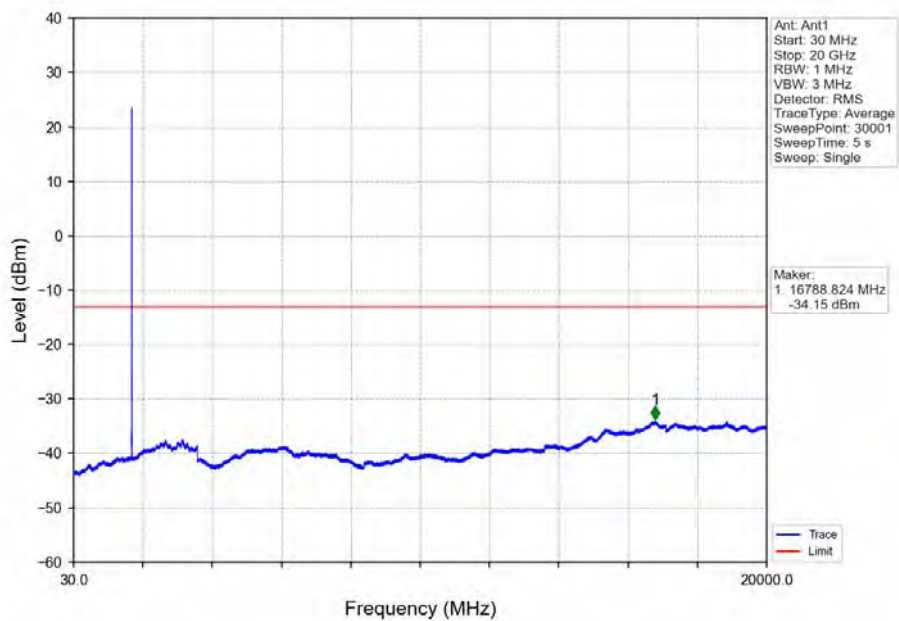


Test Graph

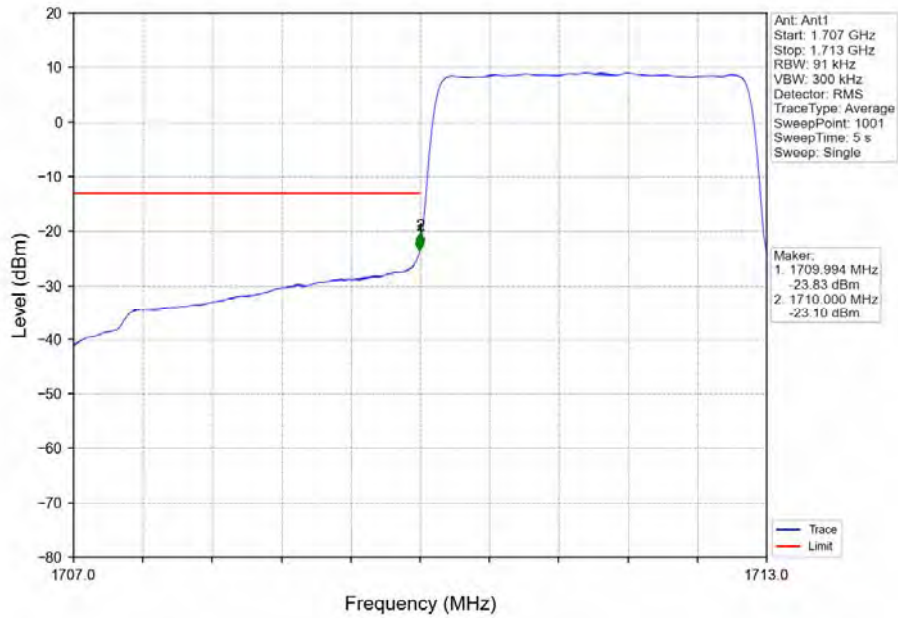
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



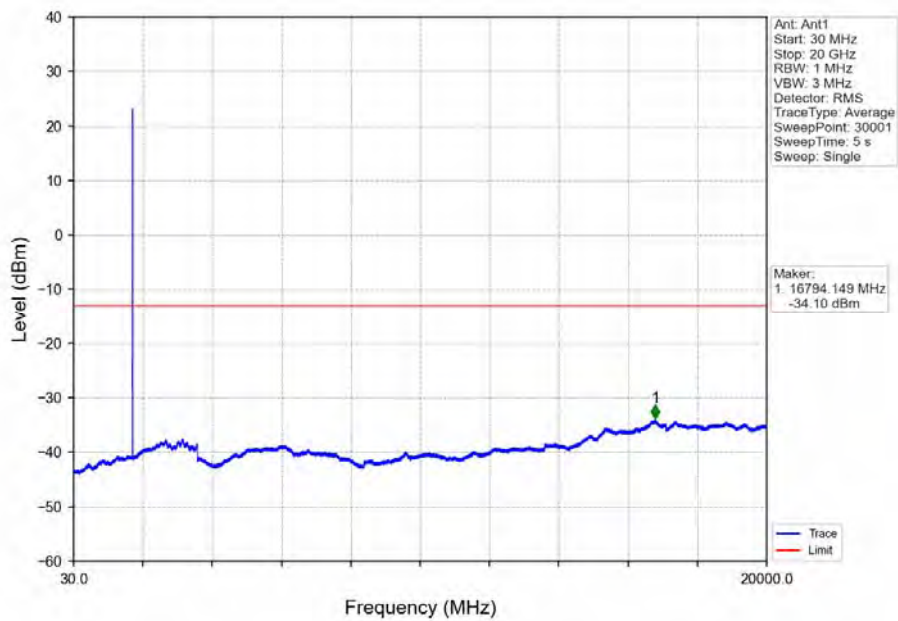
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



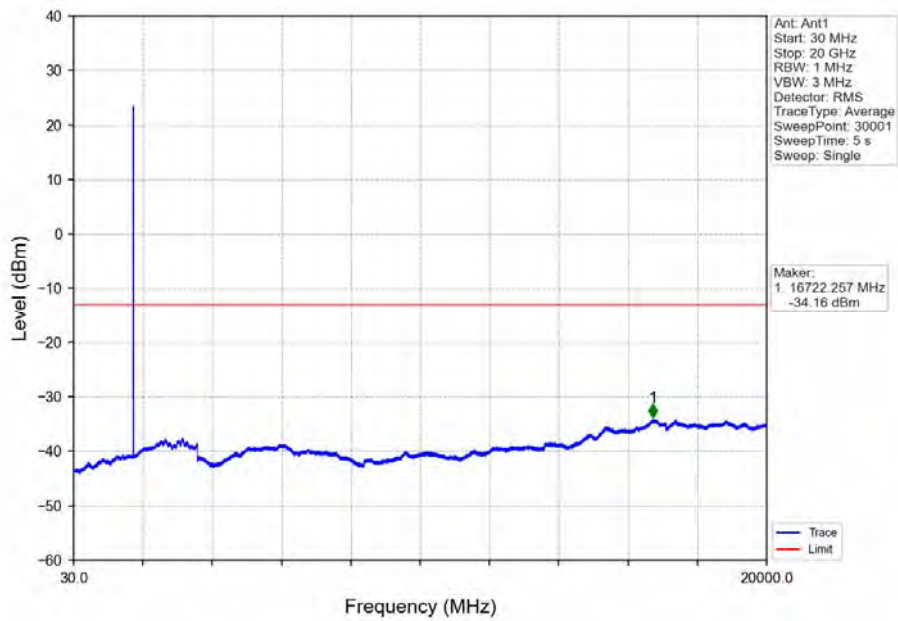
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



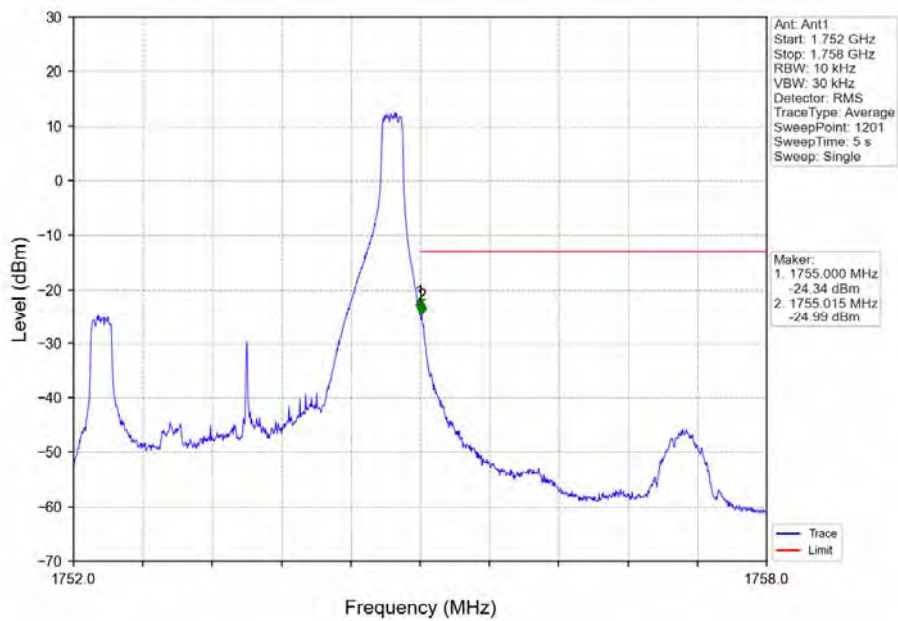
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



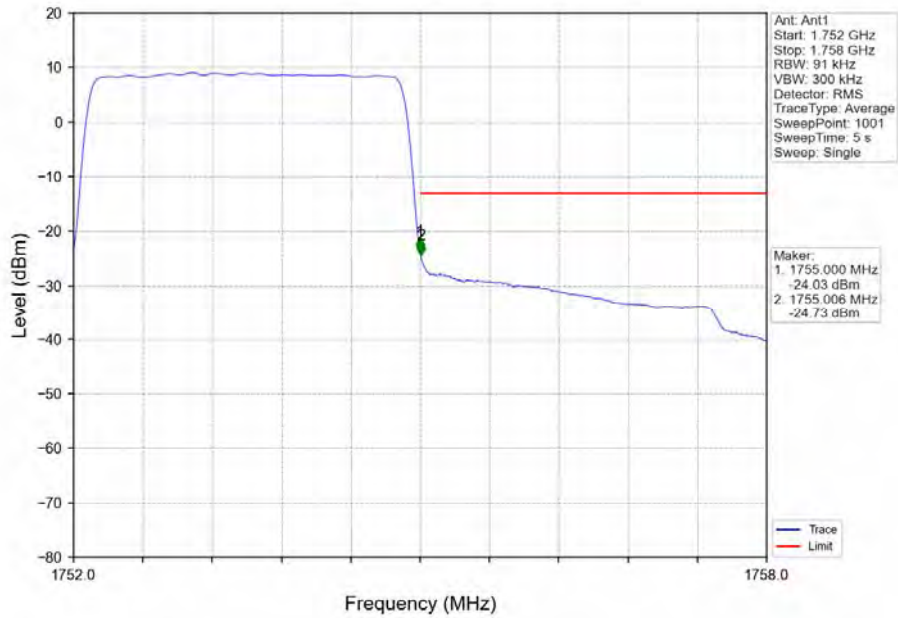
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



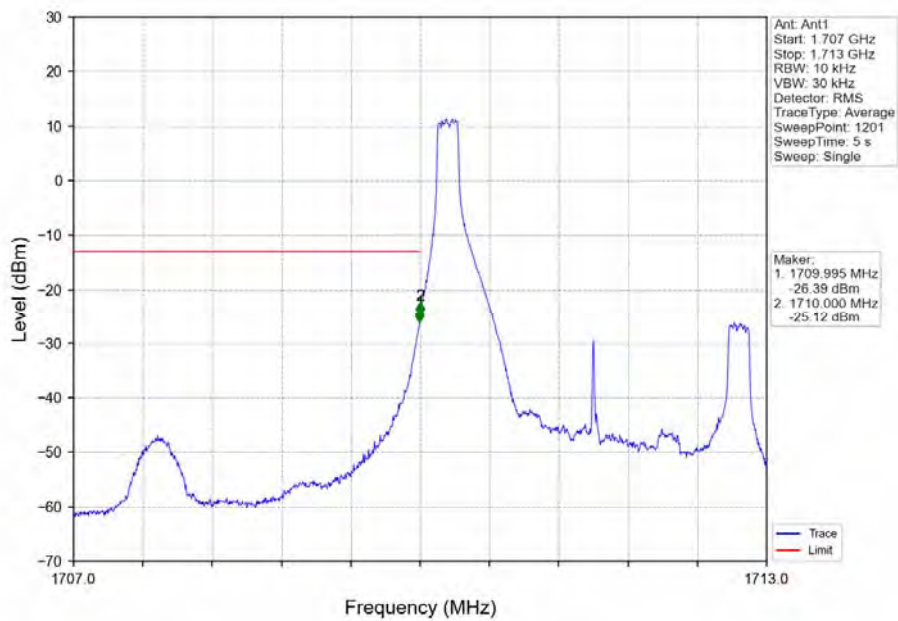
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



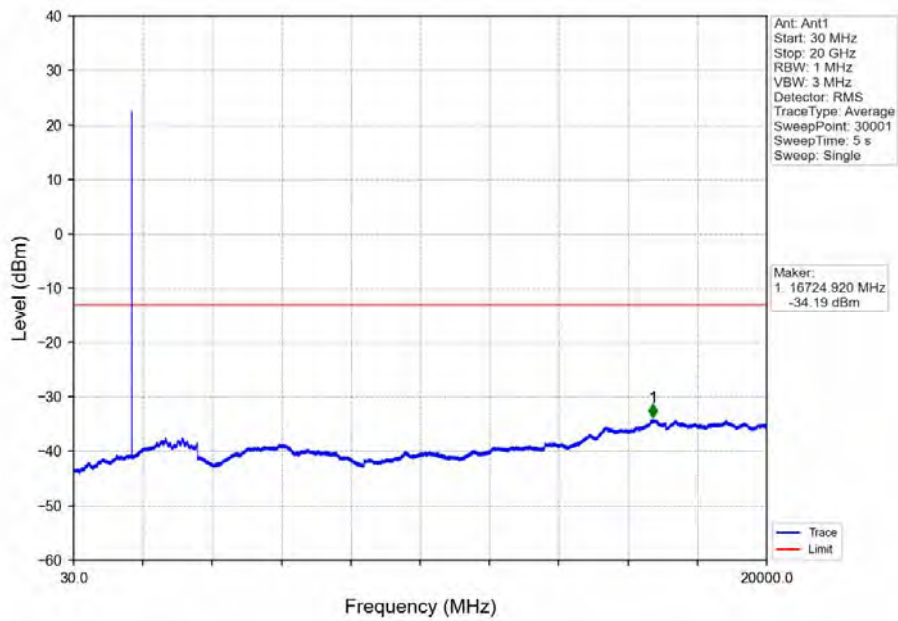
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



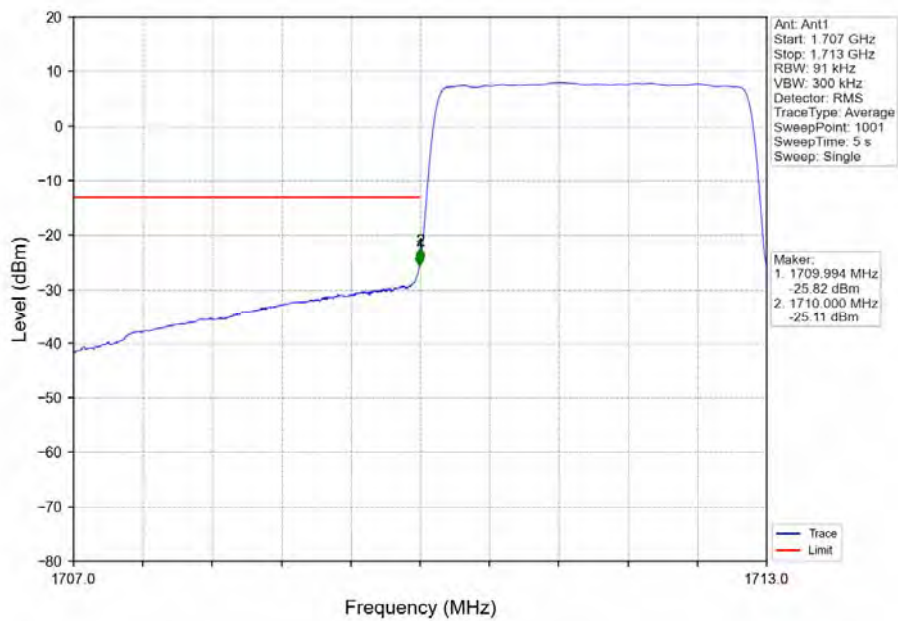
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



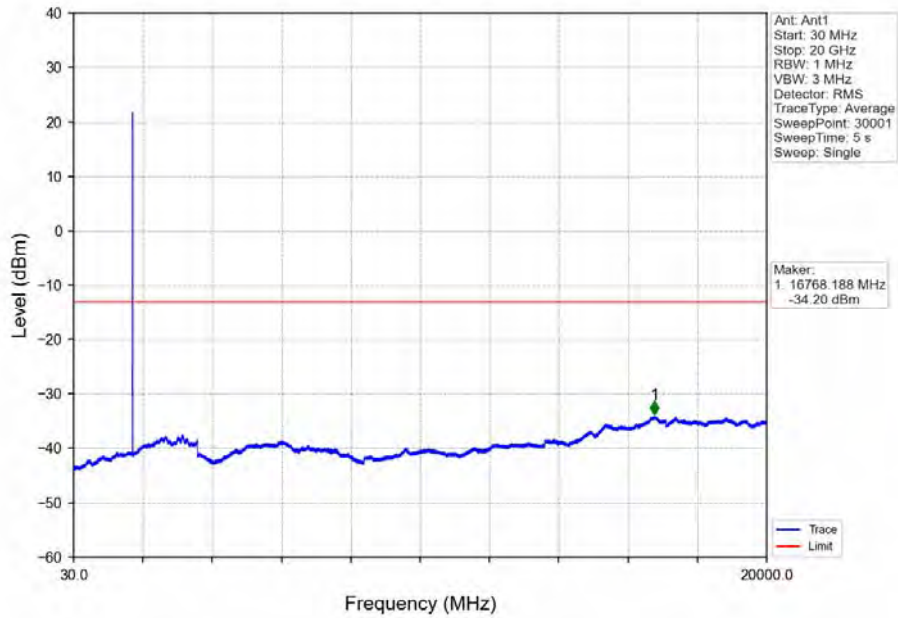
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



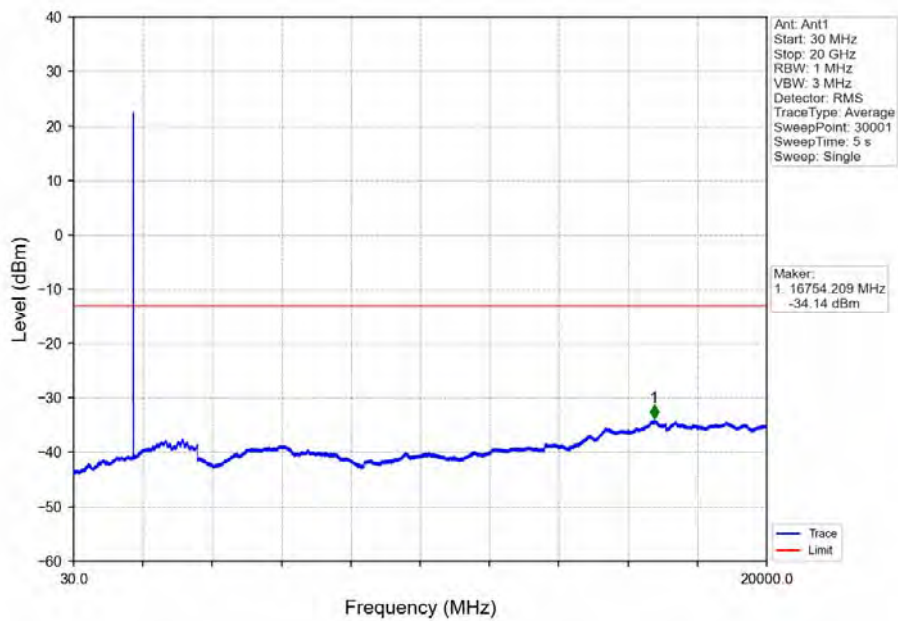
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



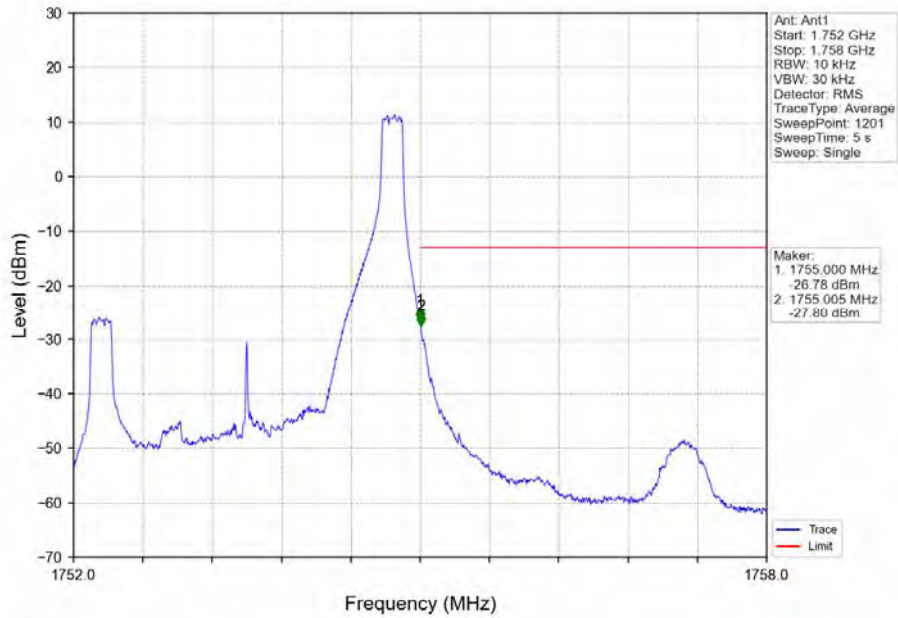
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



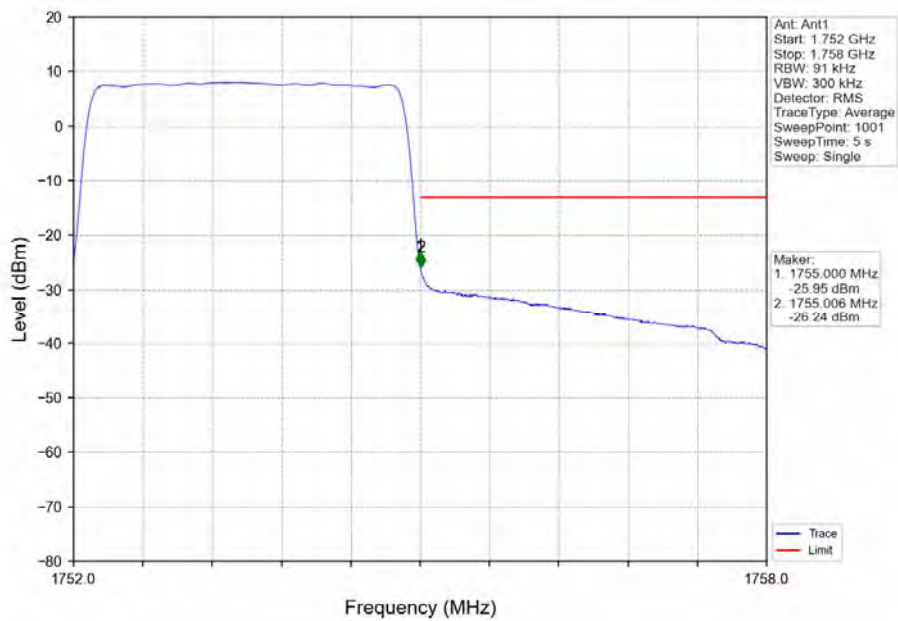
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



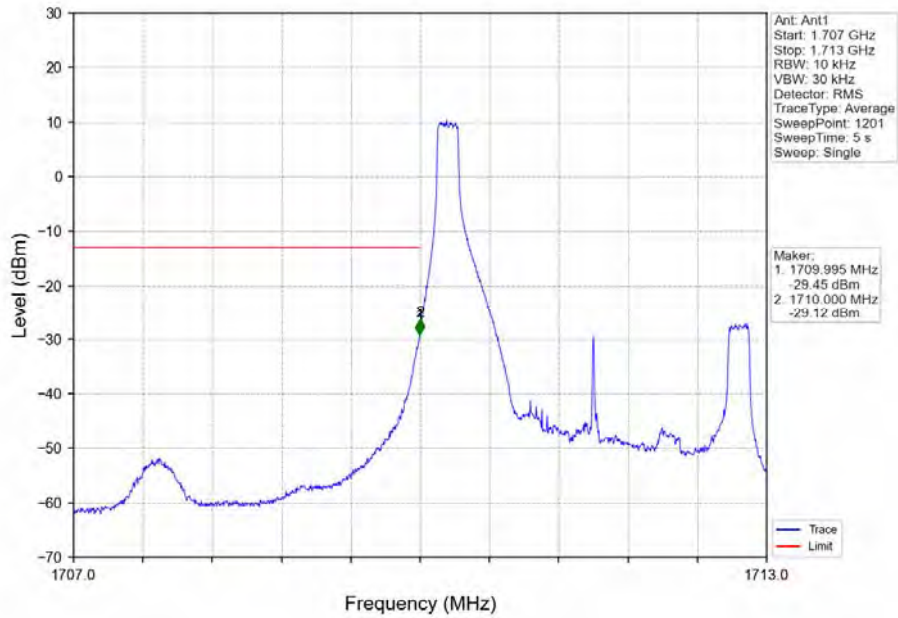
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTNV



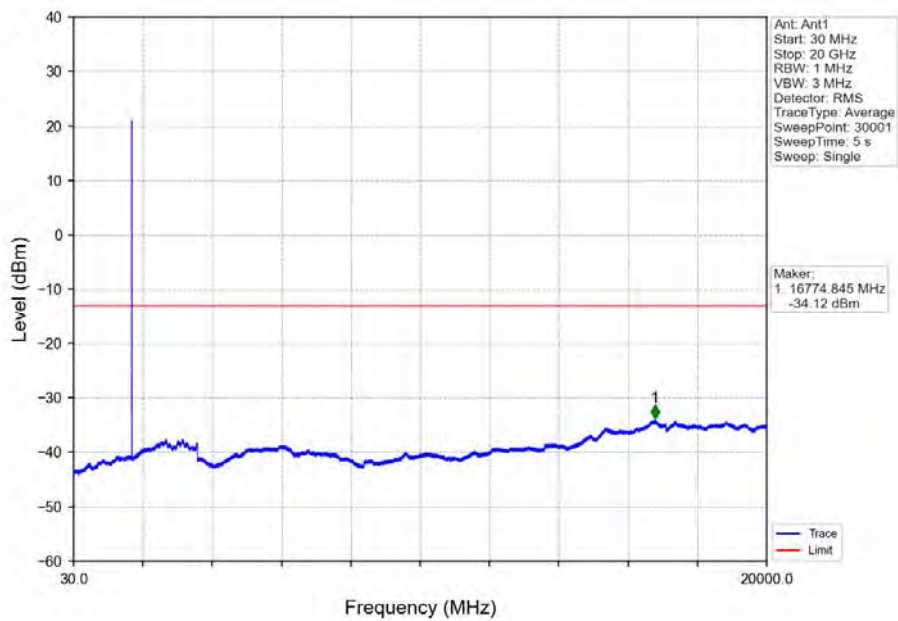
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



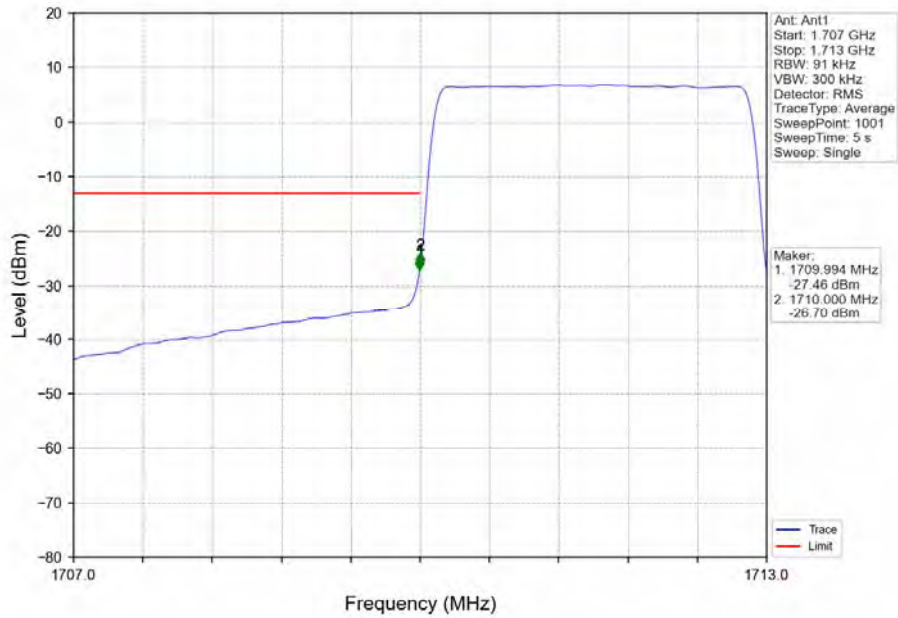
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV



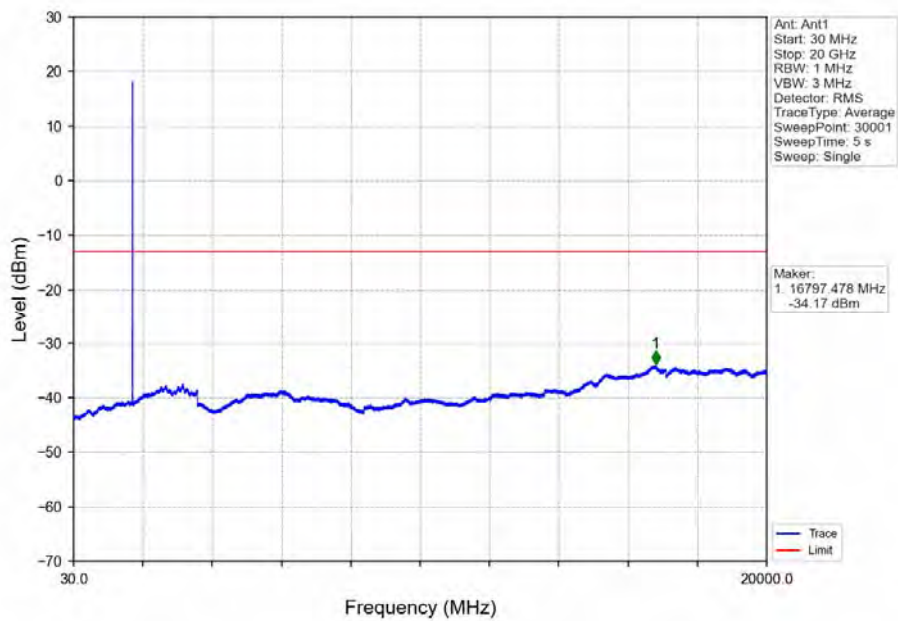
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV



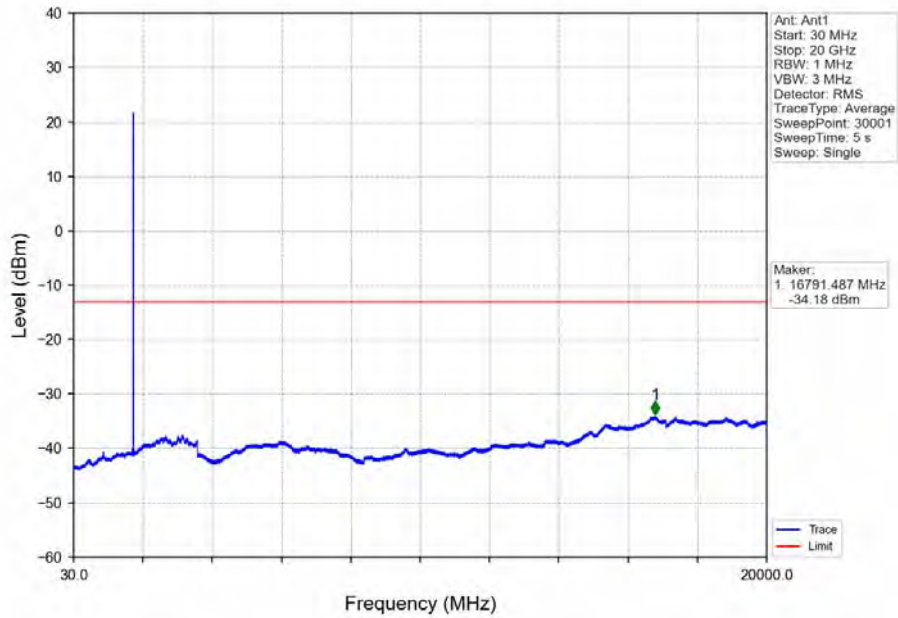
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



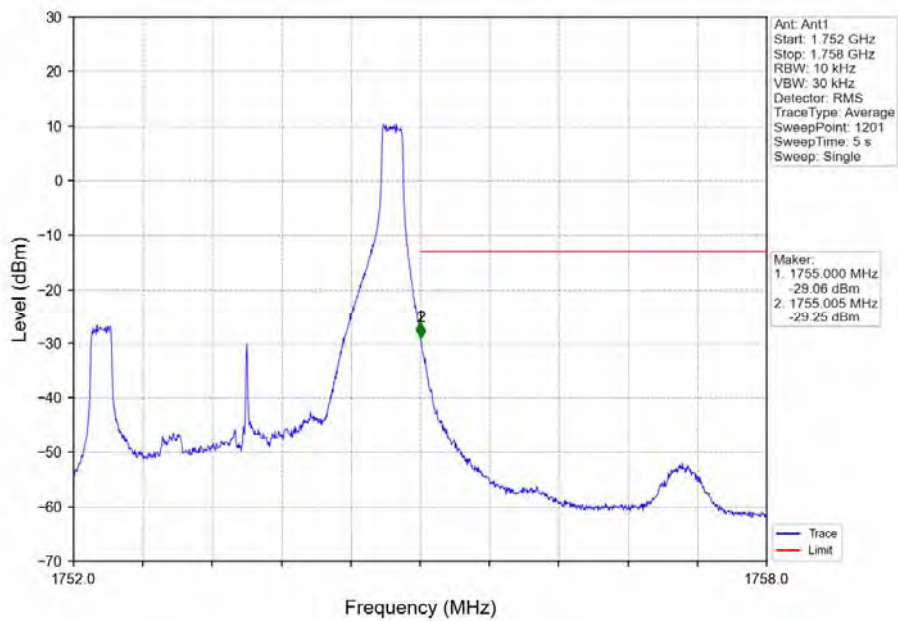
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



Band4_3MHz_64QAM_HCH_1753.5MHz_RB_1_0_NTNV

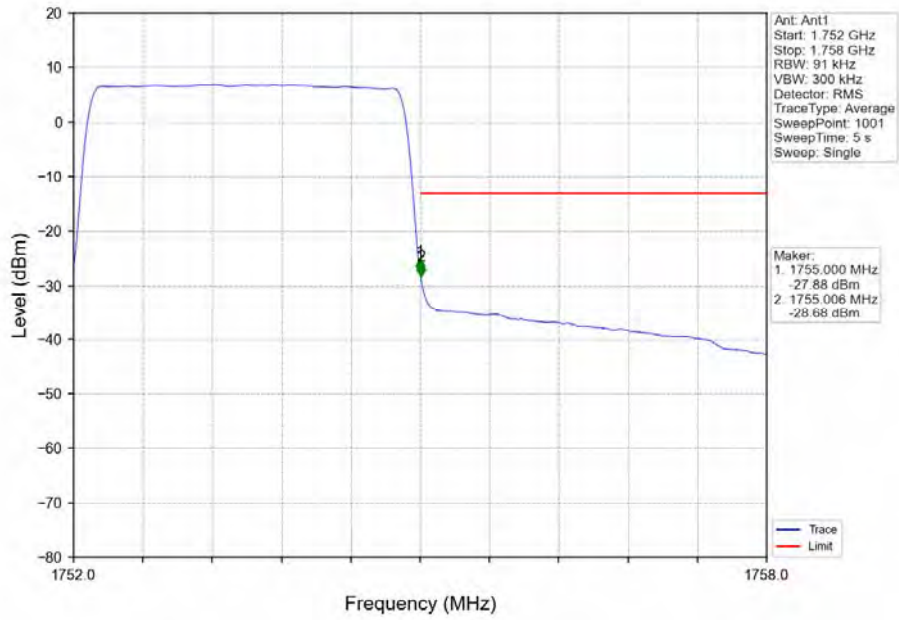


Band4_3MHz_64QAM_HCH_1753.5MHz_RB_1_14_NTNV





Band4_3MHz_64QAM_HCH_1753.5MHz_RB_15_0_NTNV





B4_5MHz

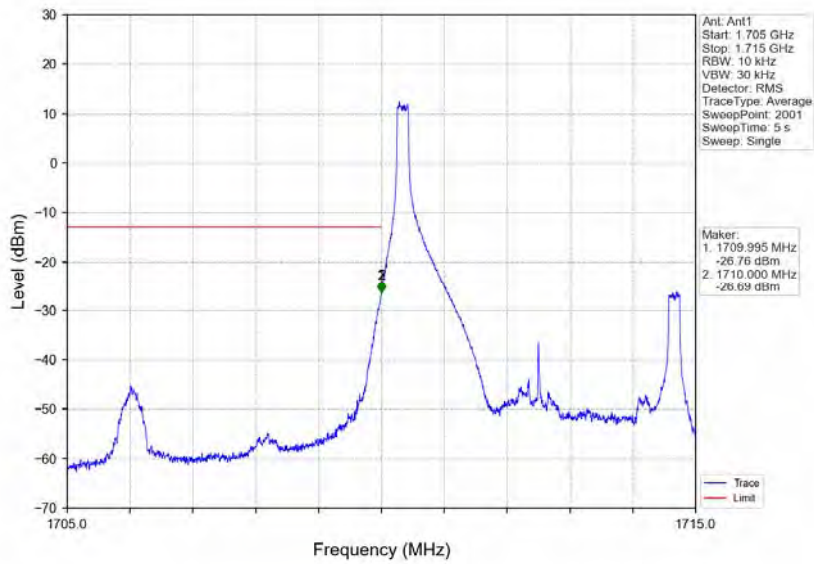
Test Result

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	
			25	0	Refer To Test Graph	
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	
			25	0	Refer To Test Graph	
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	
			25	0	Refer To Test Graph	

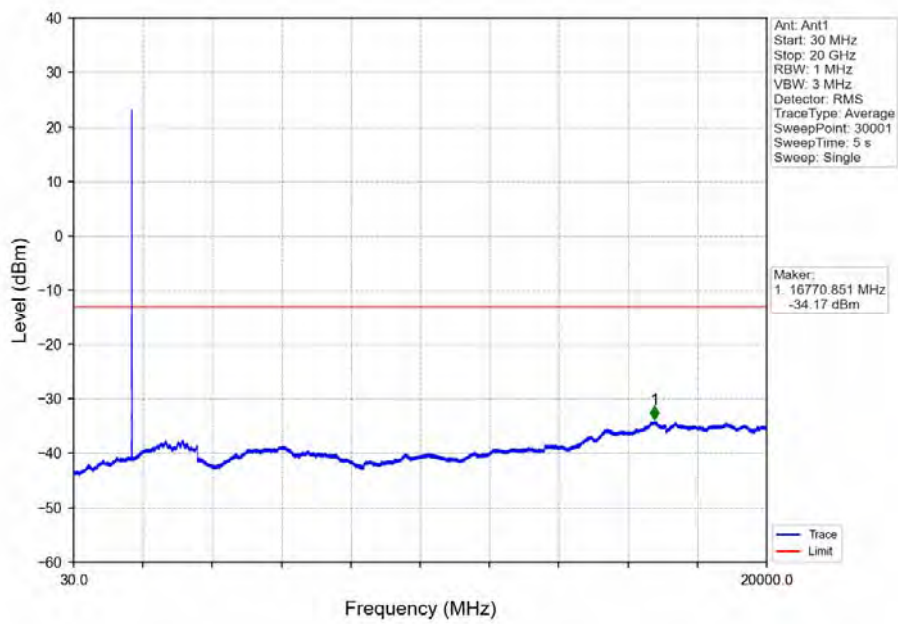


Test Graph

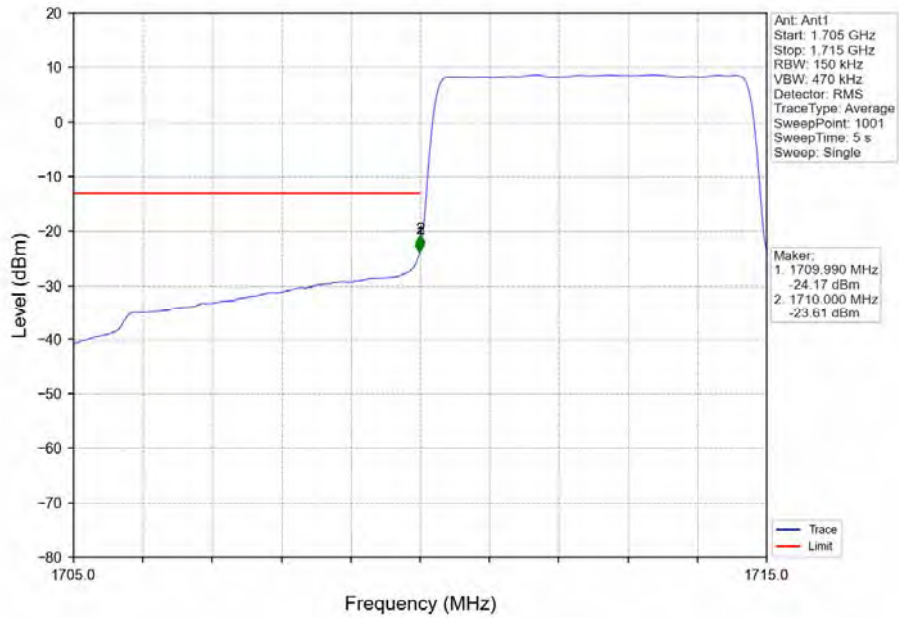
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



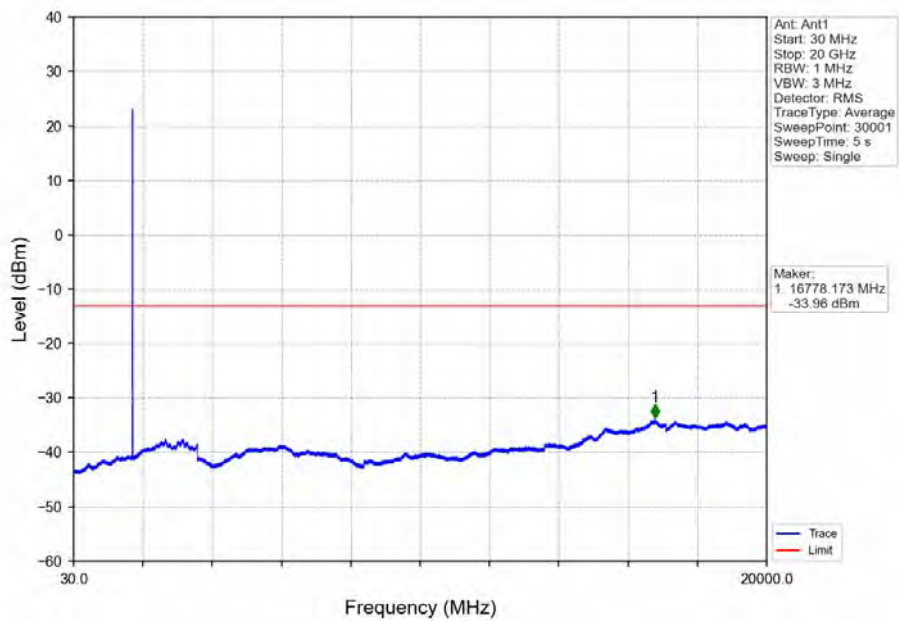
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



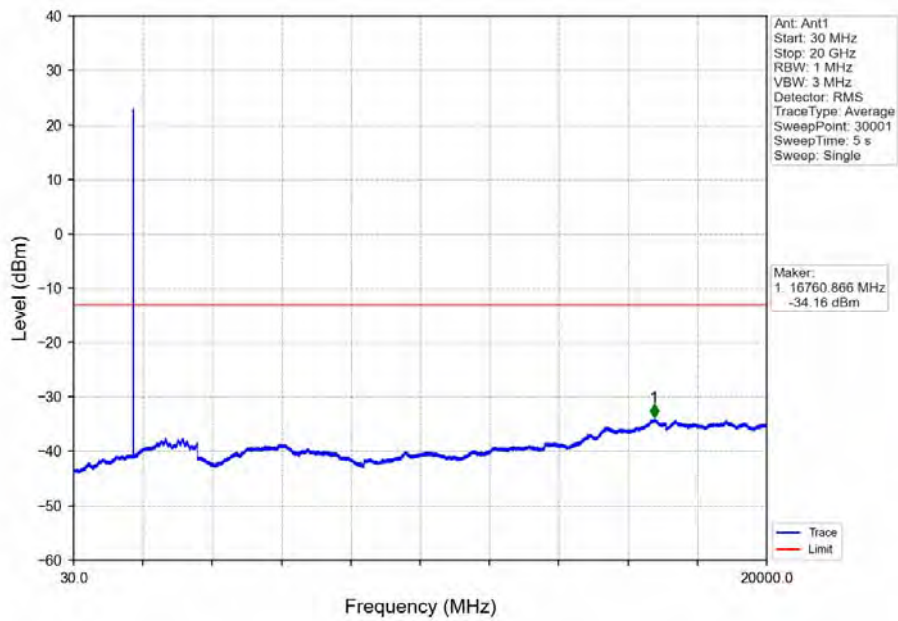
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



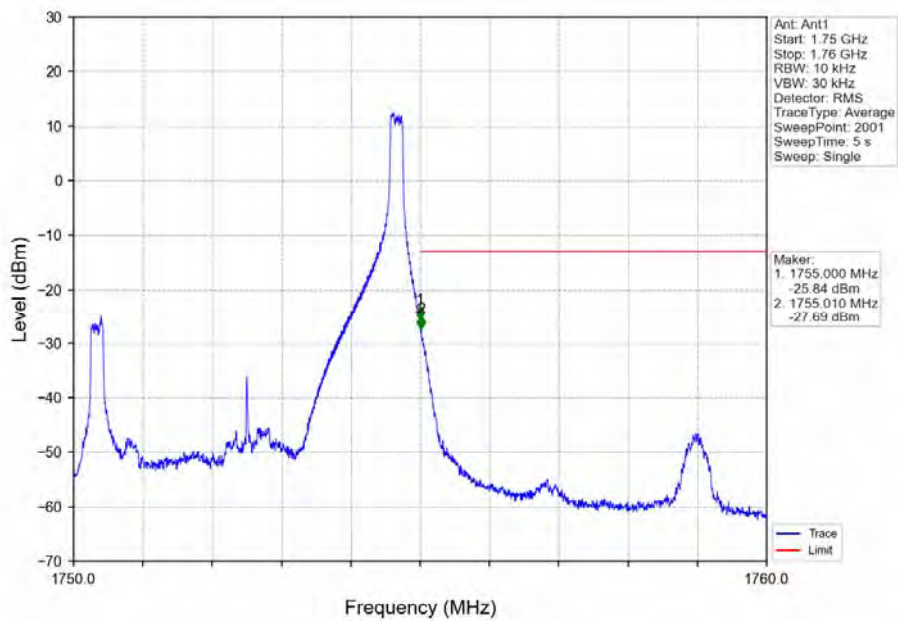
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



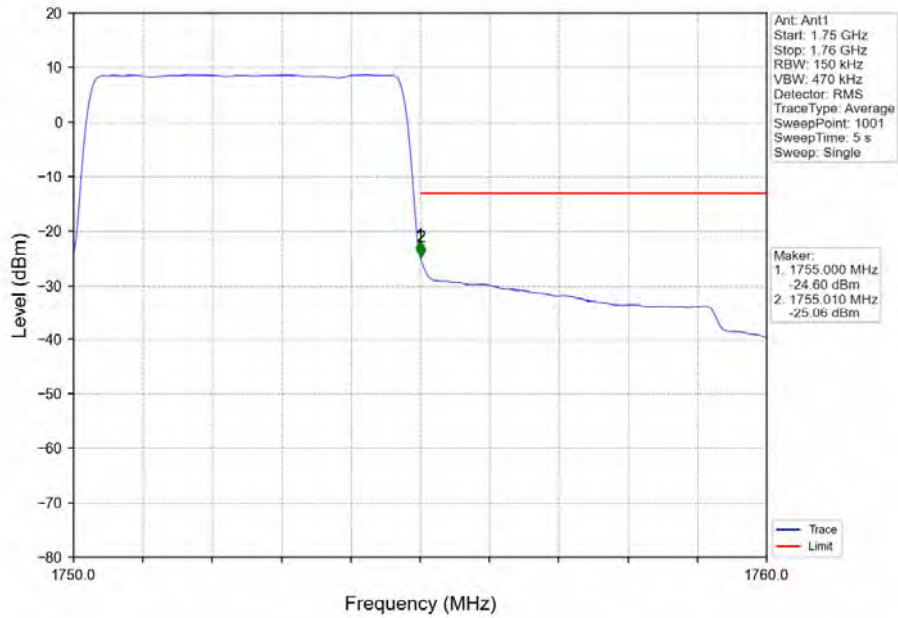
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



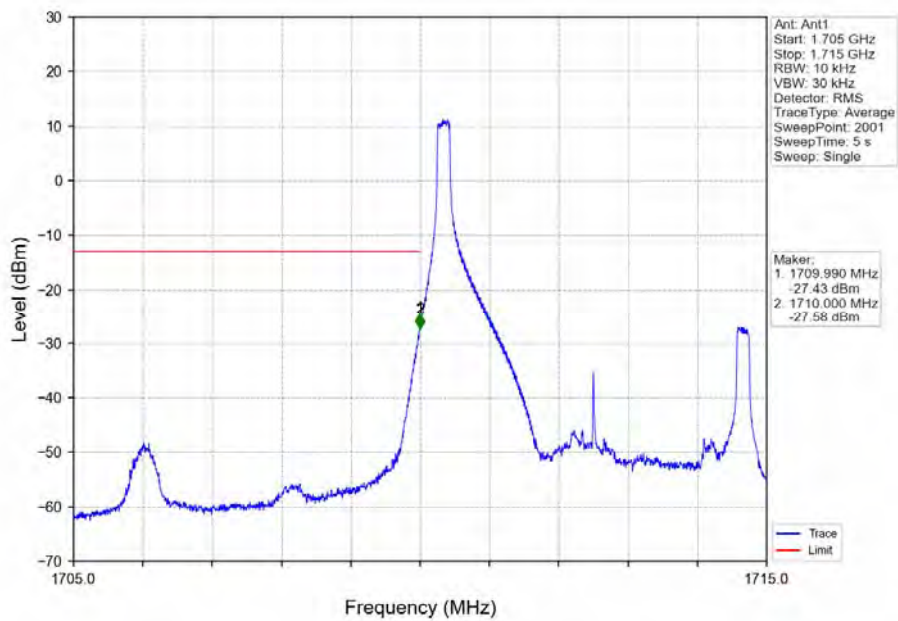
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



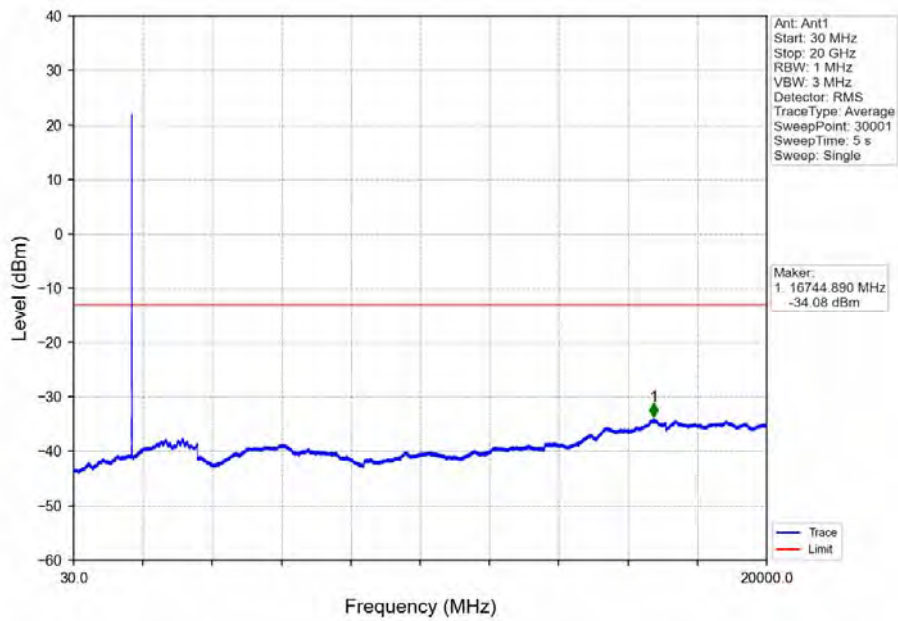
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



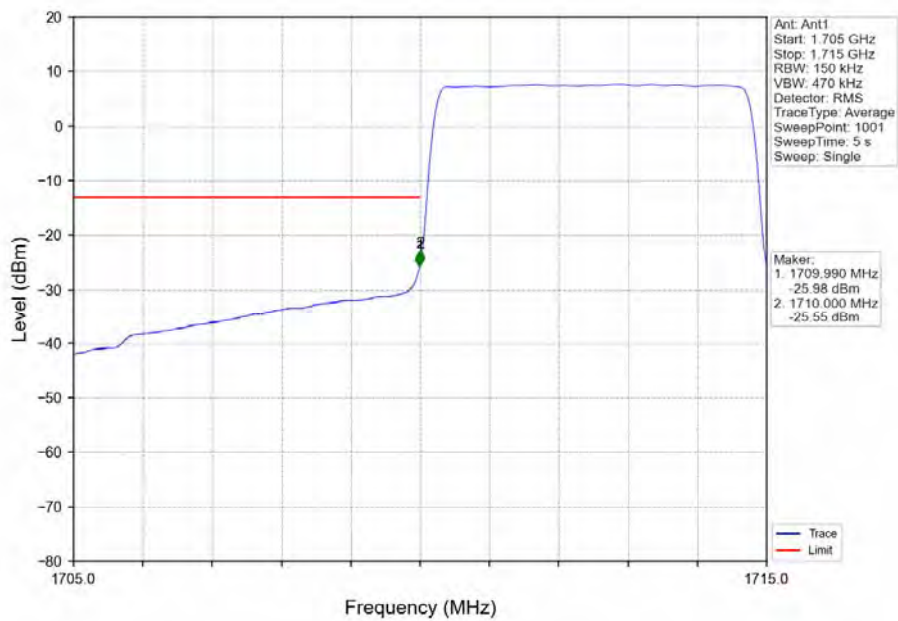
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



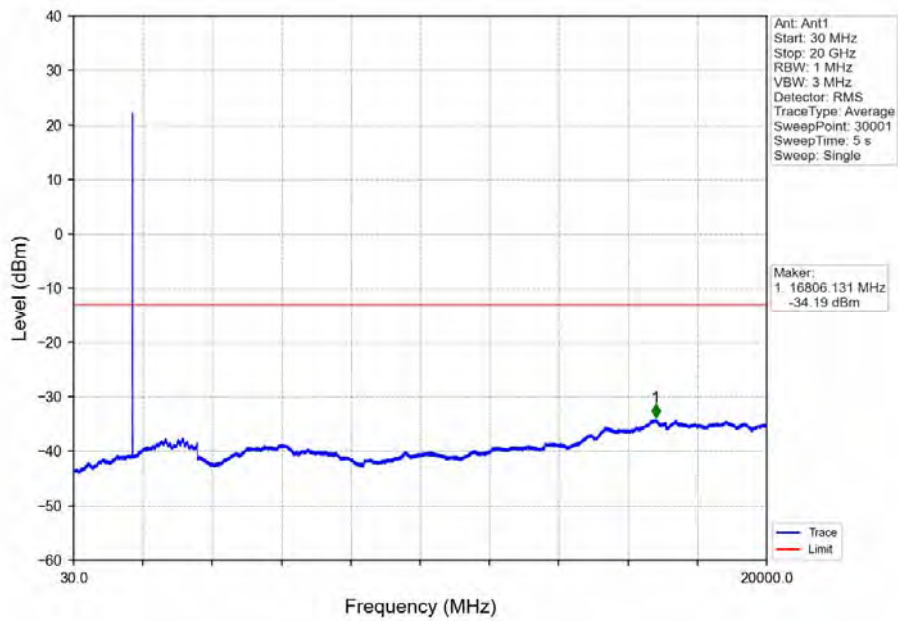
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



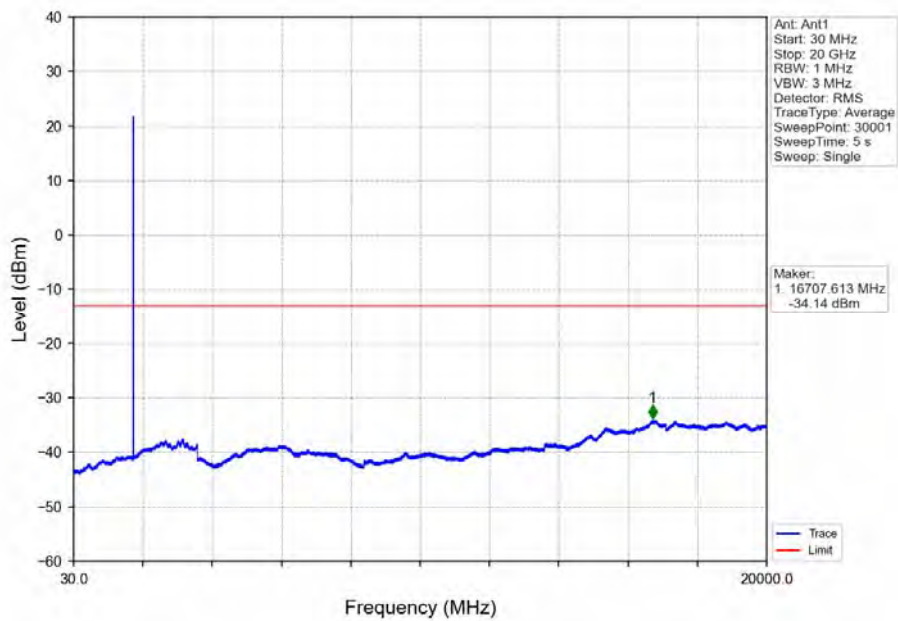
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



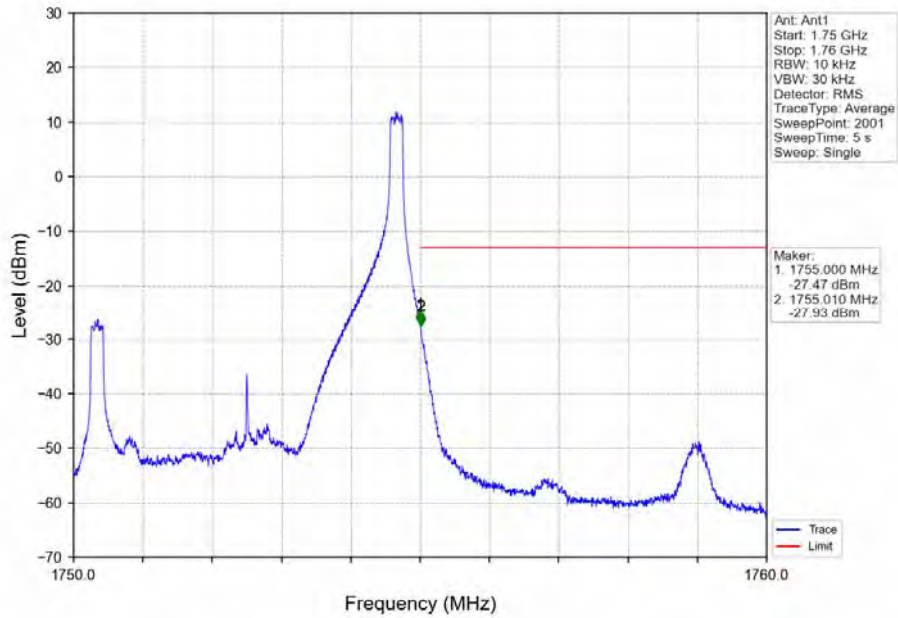
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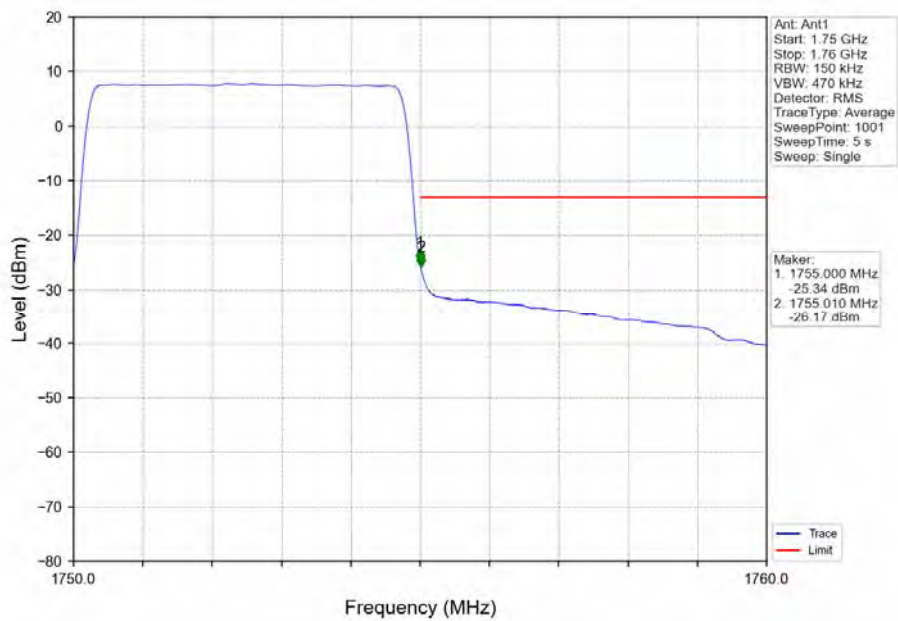
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV



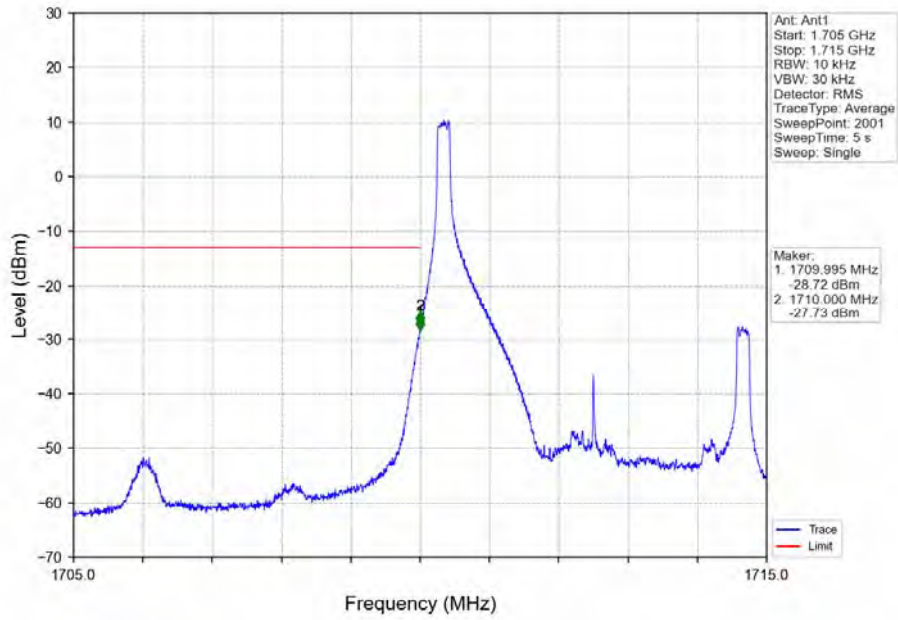
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_24_NTNV



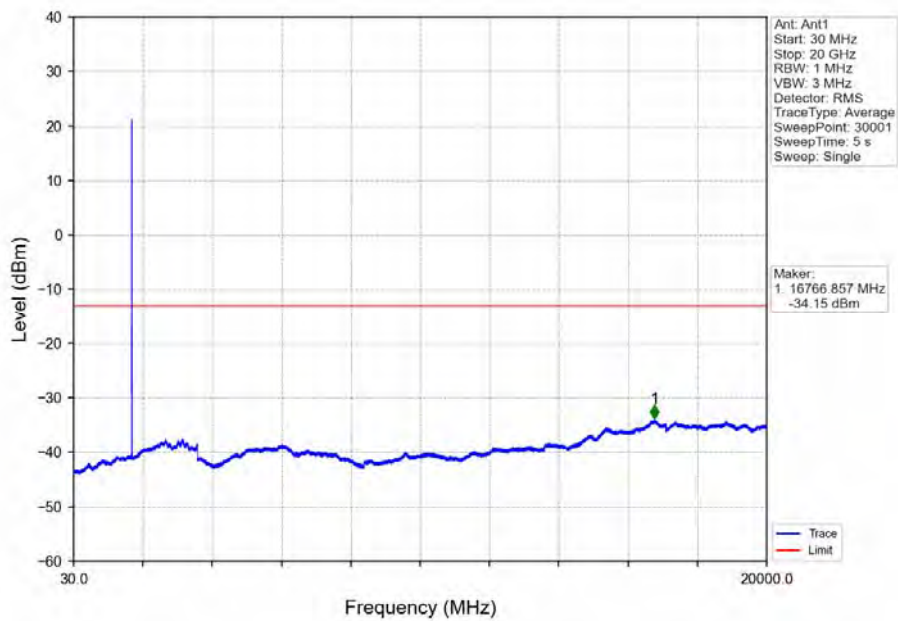
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



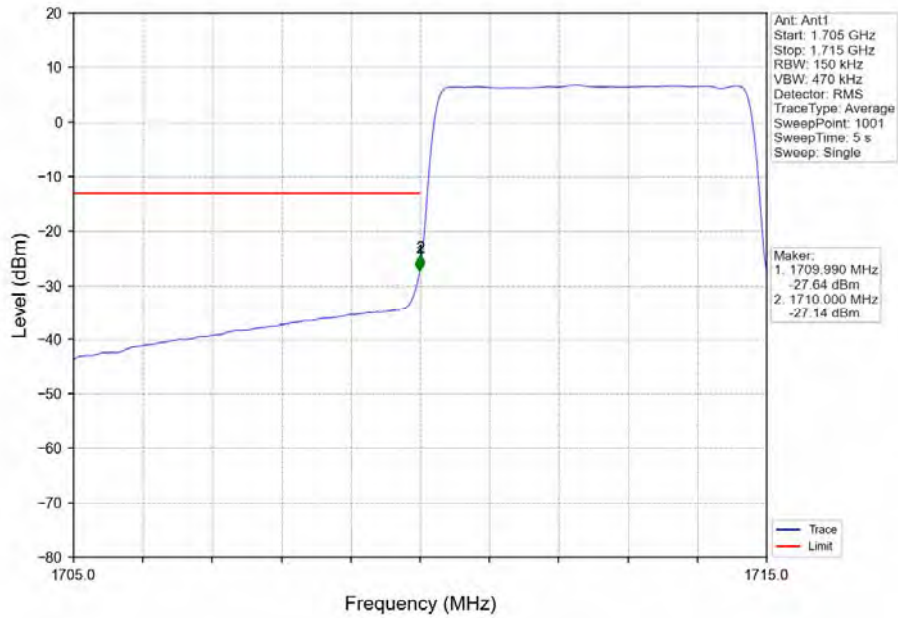
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV



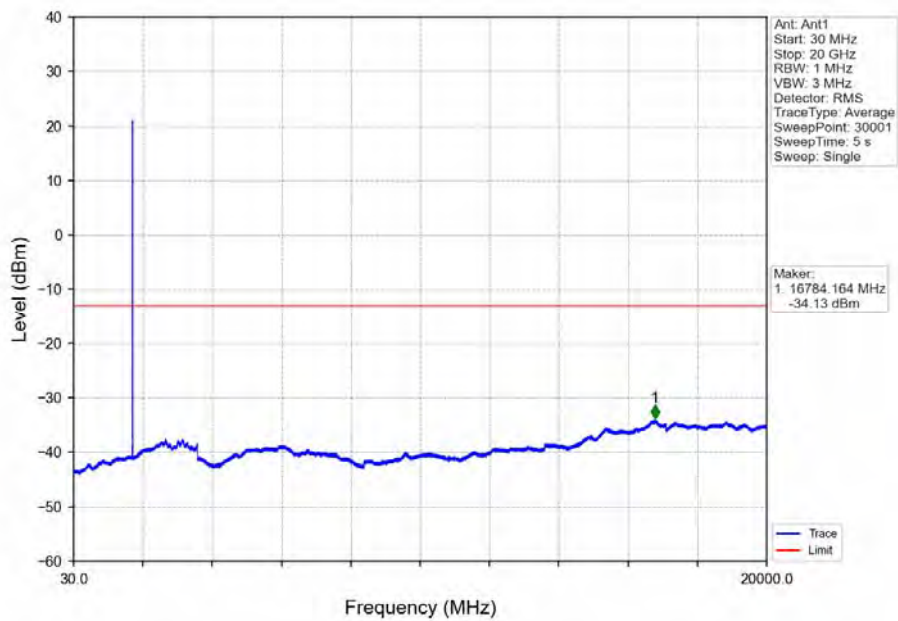
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV



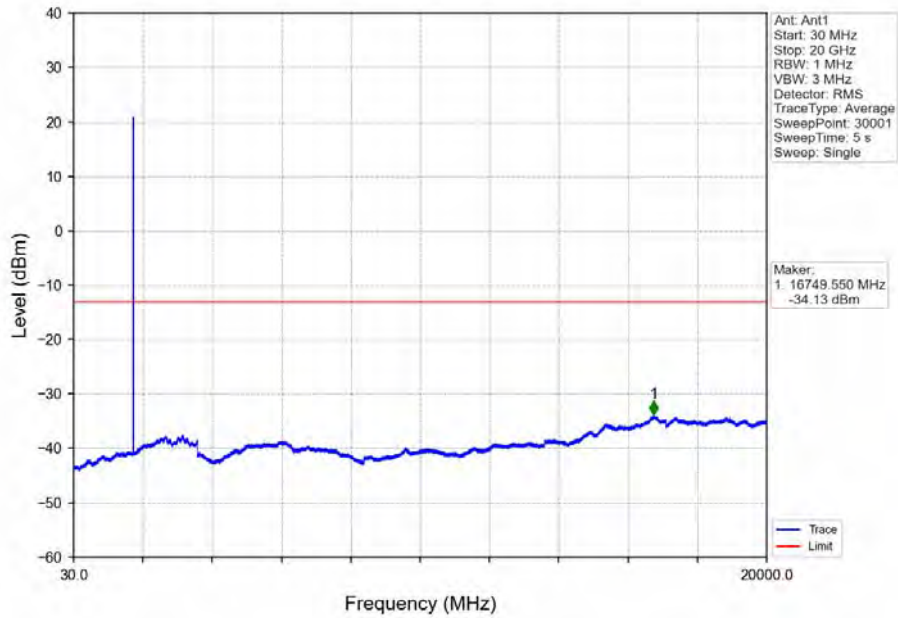
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



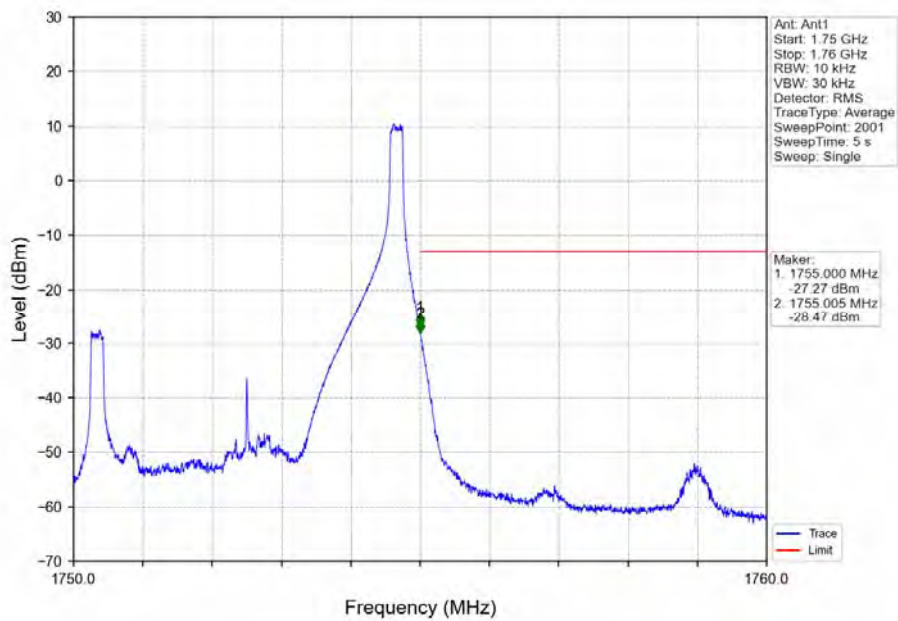
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



Band4_5MHz_64QAM_HCH_1752.5MHz_RB_1_0_NTNV

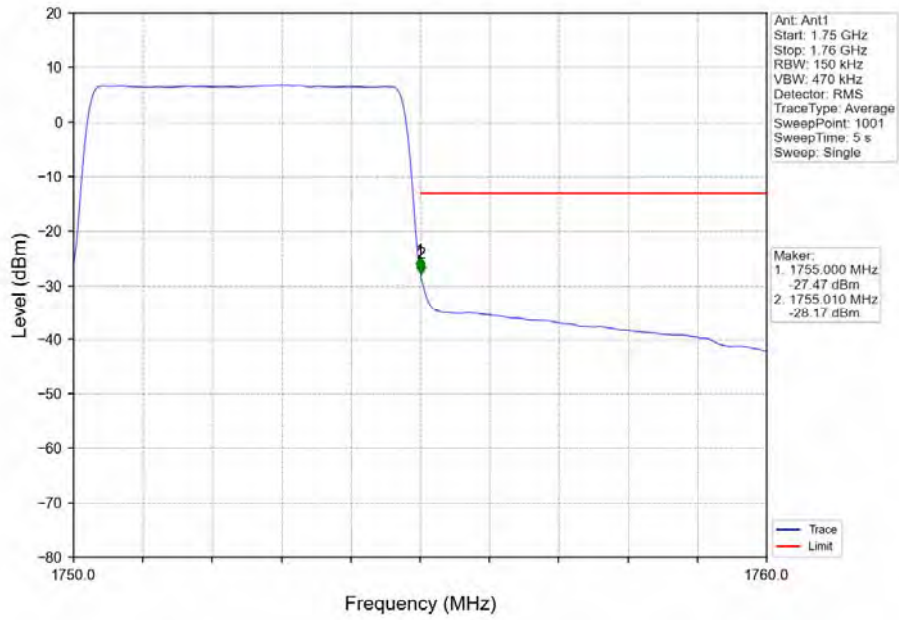


Band4_5MHz_64QAM_HCH_1752.5MHz_RB_1_24_NTNV





Band4_5MHz_64QAM_HCH_1752.5MHz_RB_25_0_NTNV





B4_10MHz

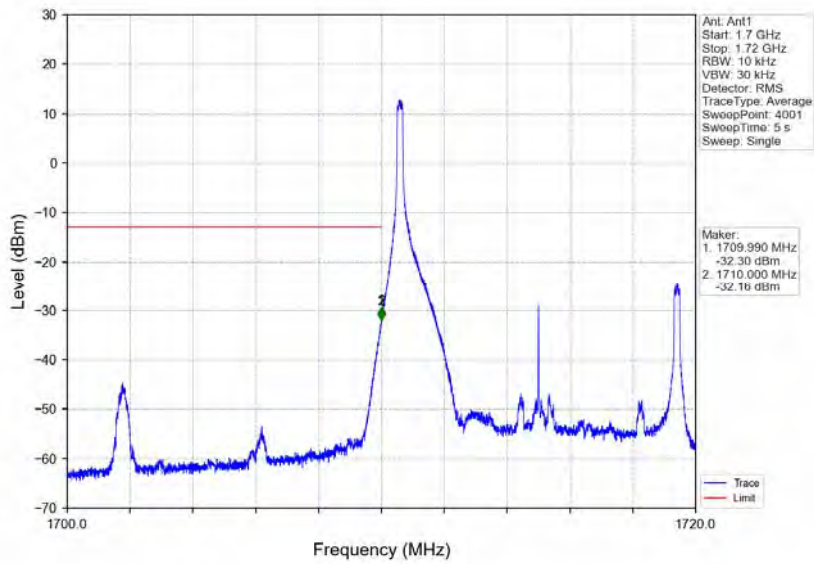
Test Result

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

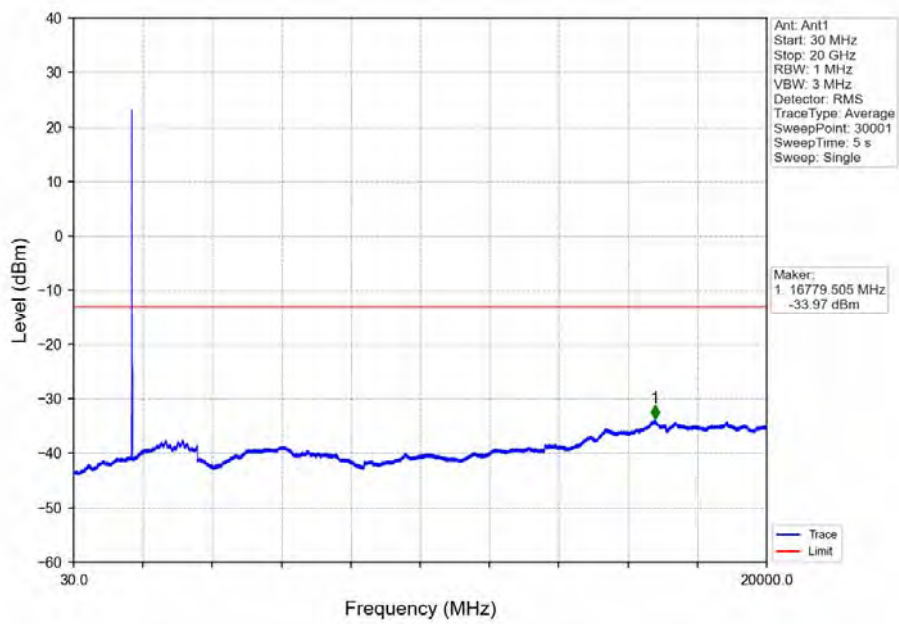


Test Graph

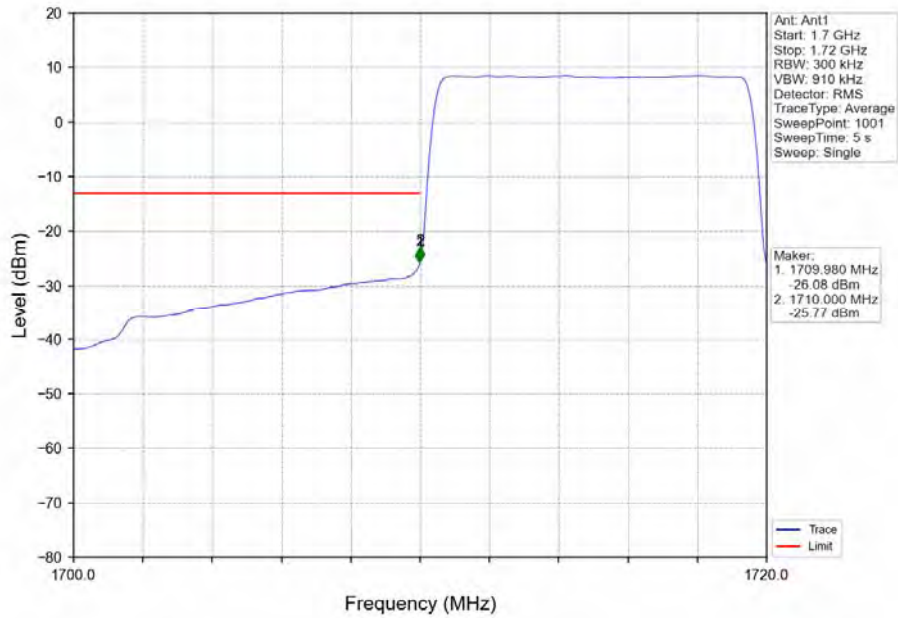
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



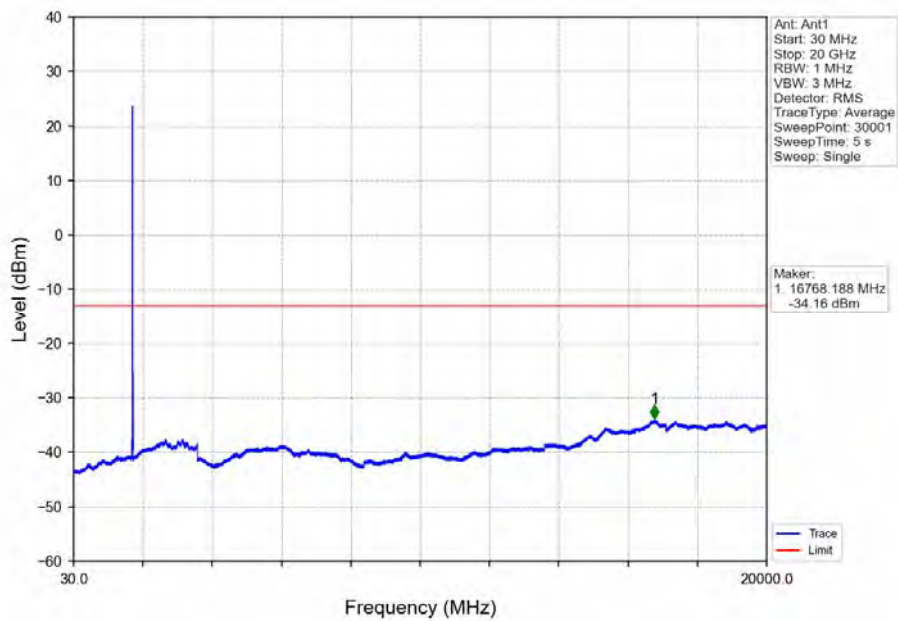
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



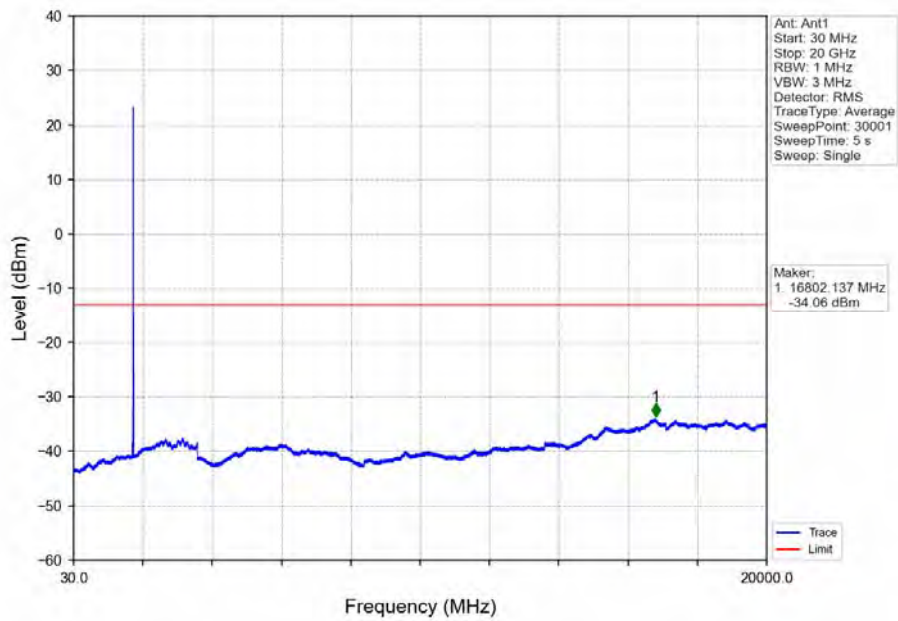
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



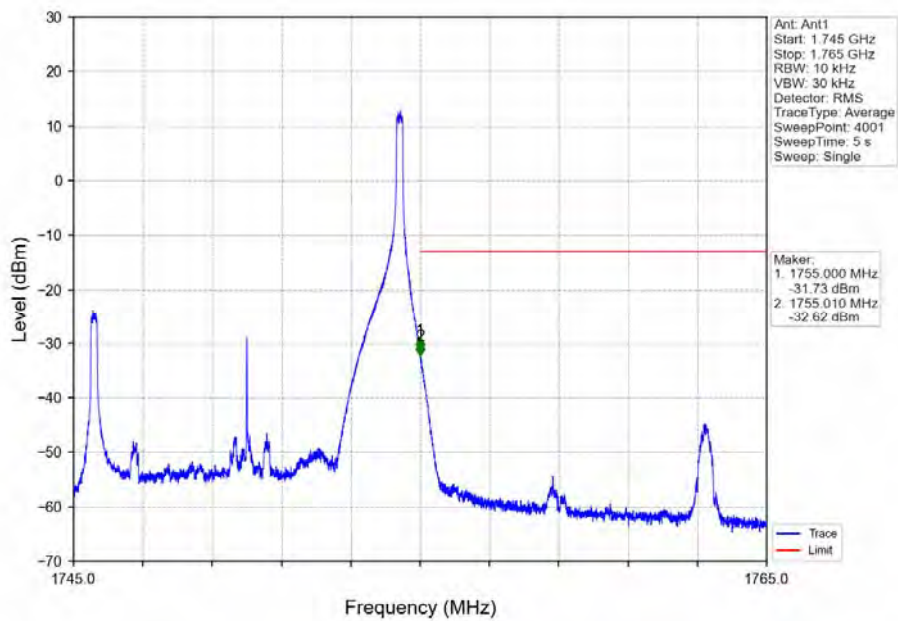
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



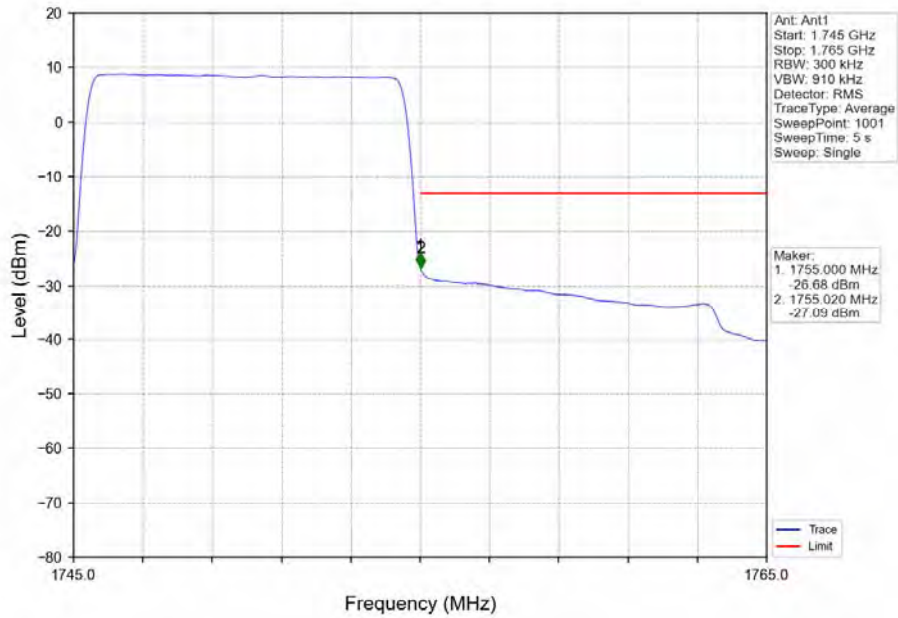
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



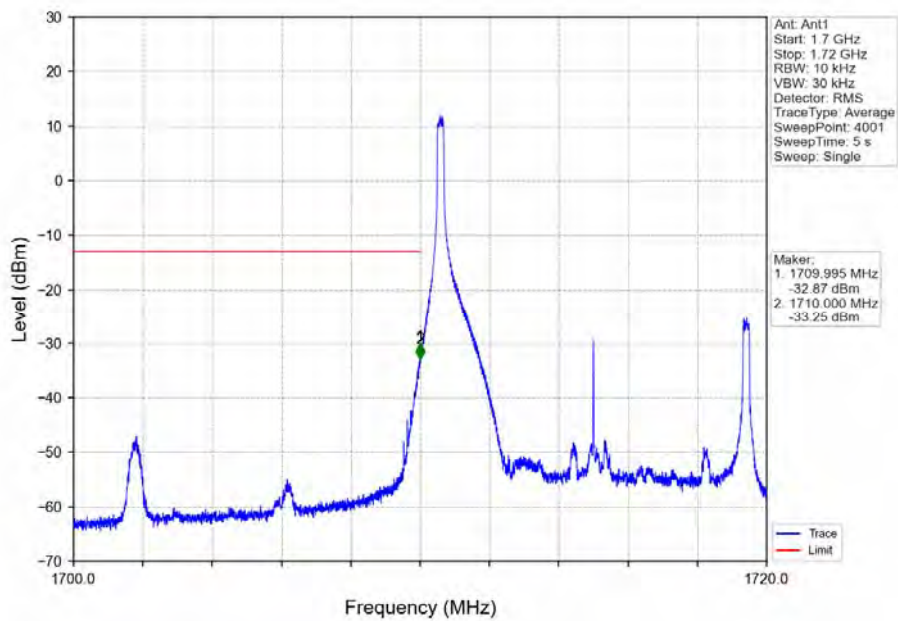
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

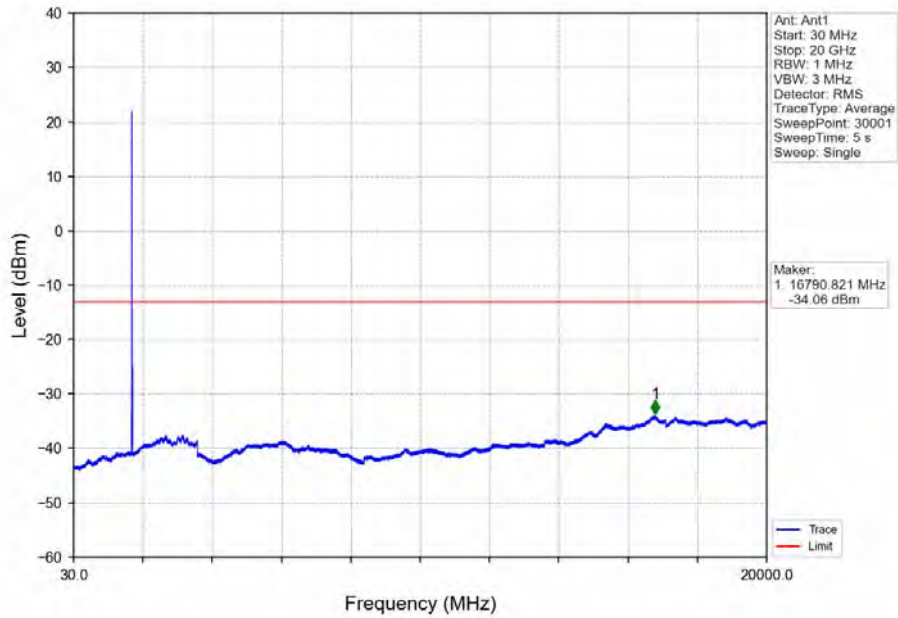


Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

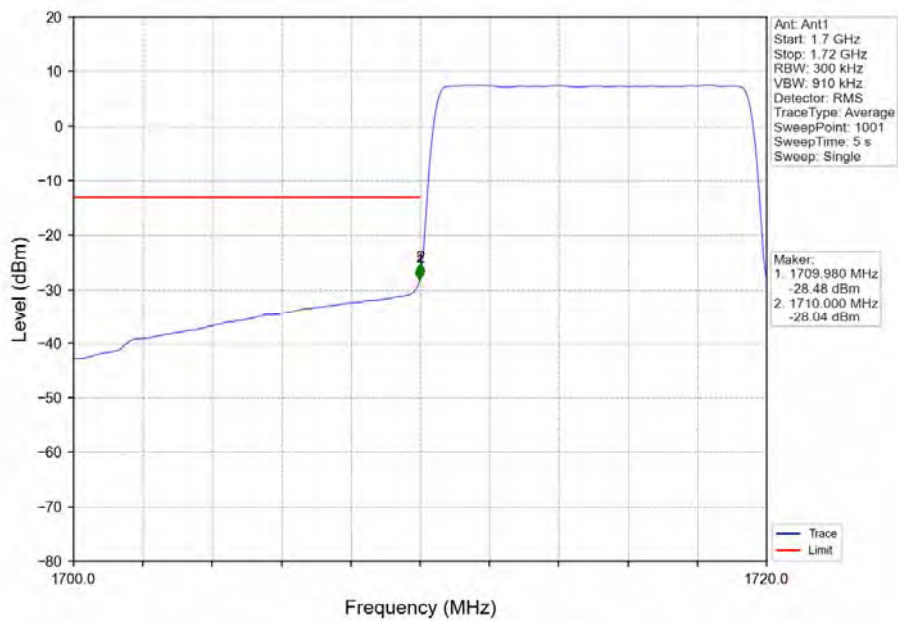




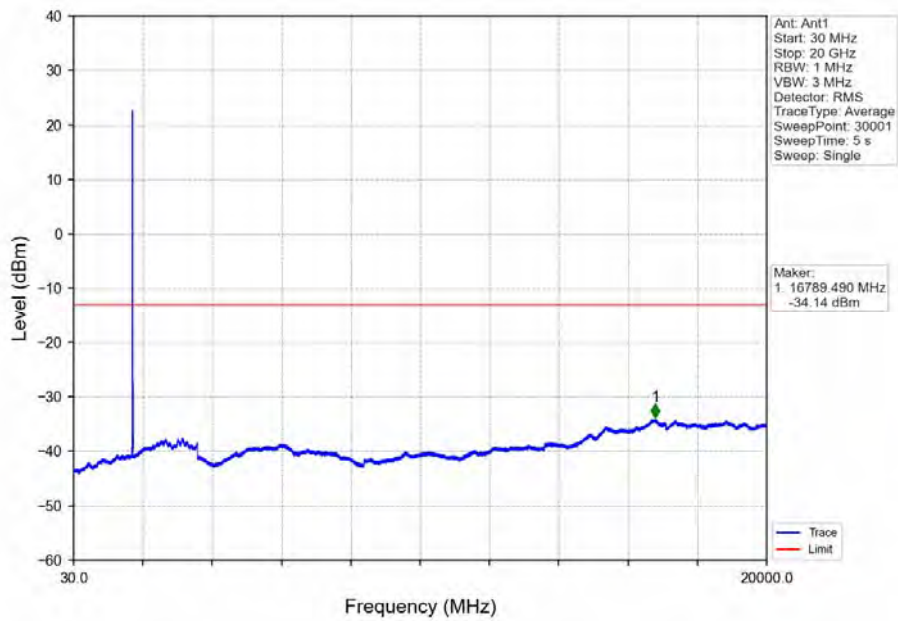
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



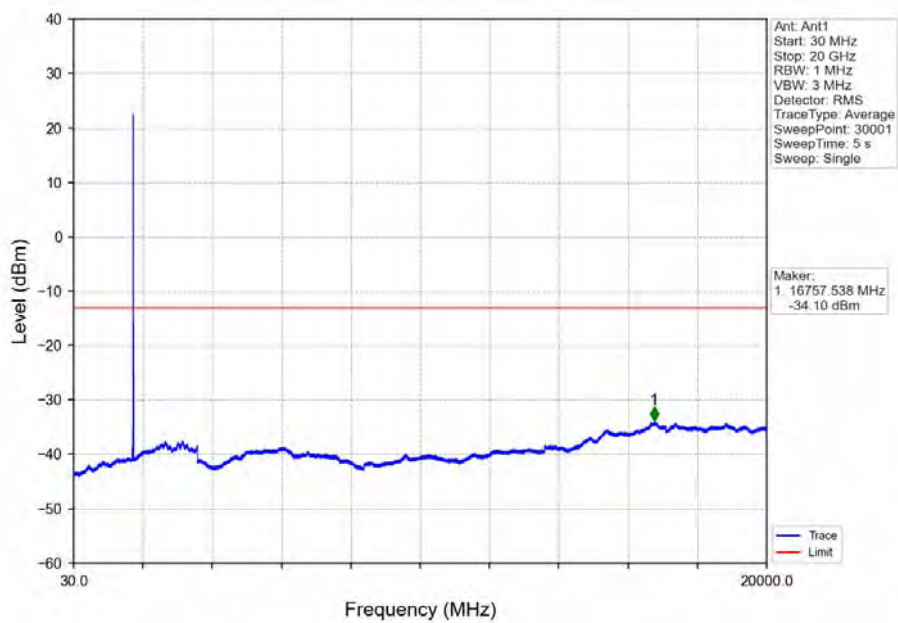
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



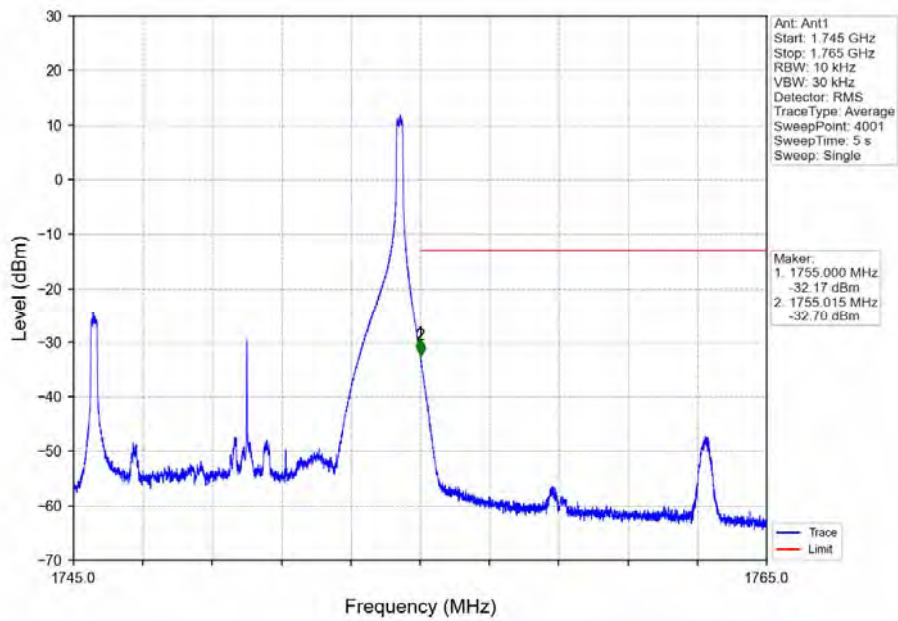
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



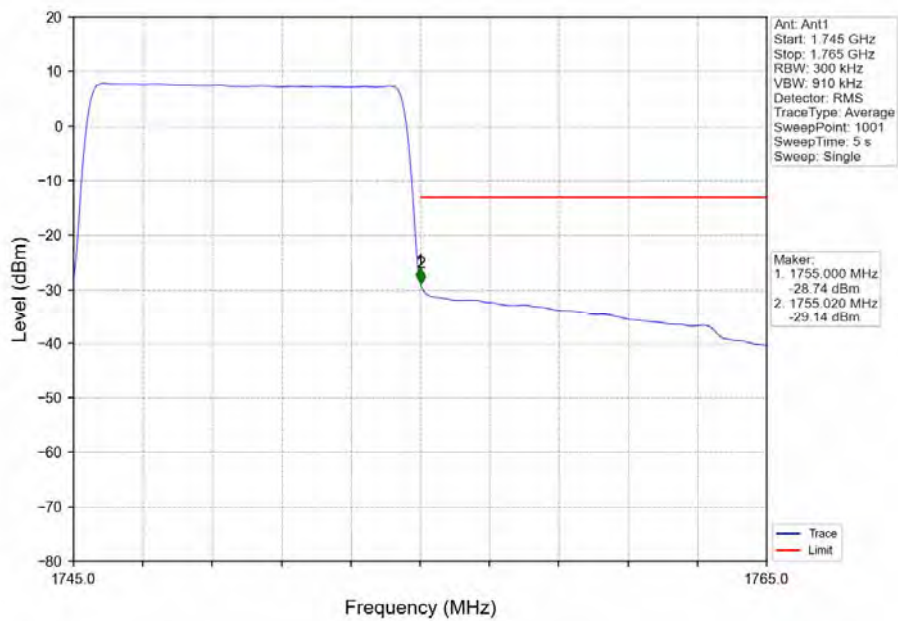
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



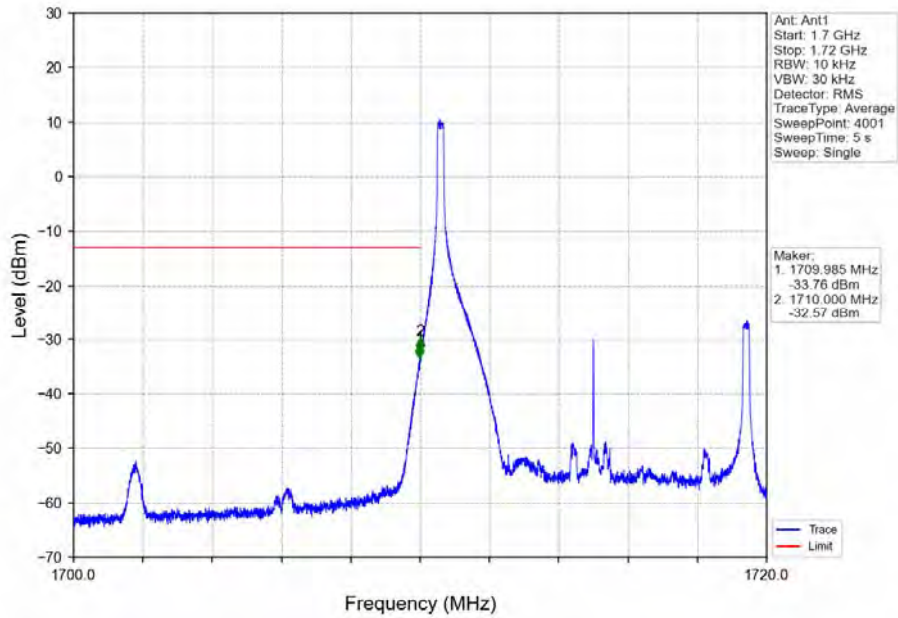
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



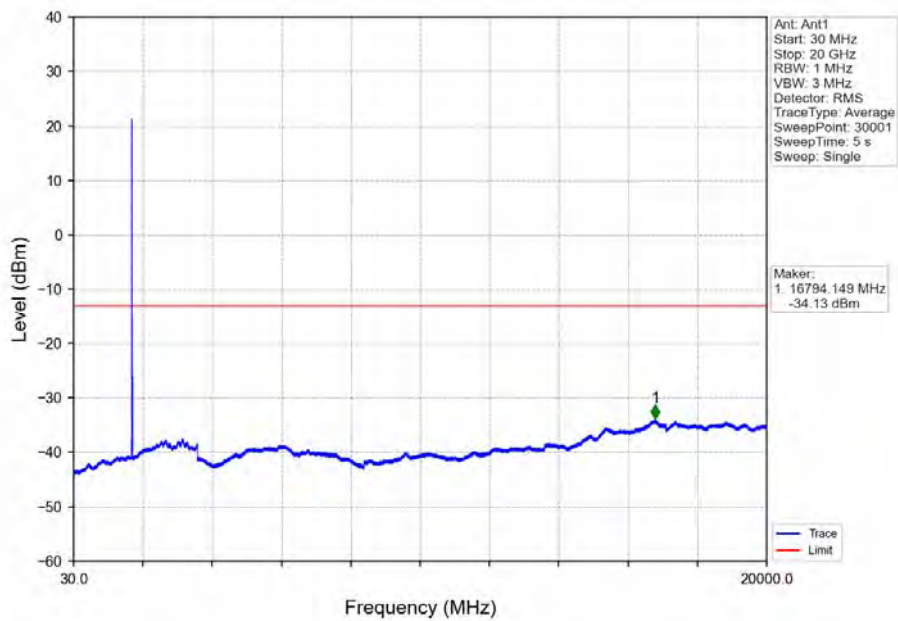
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



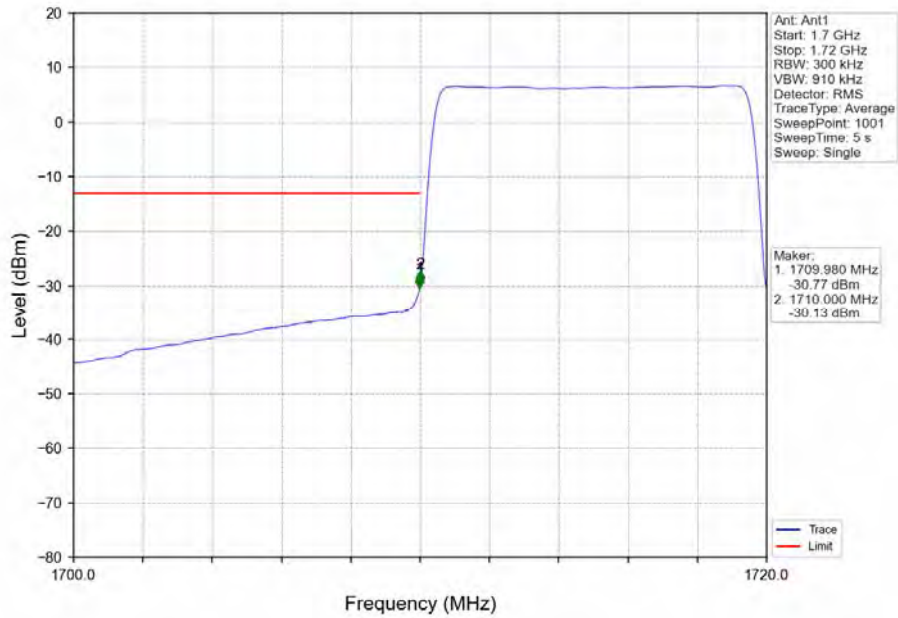
Band4_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV



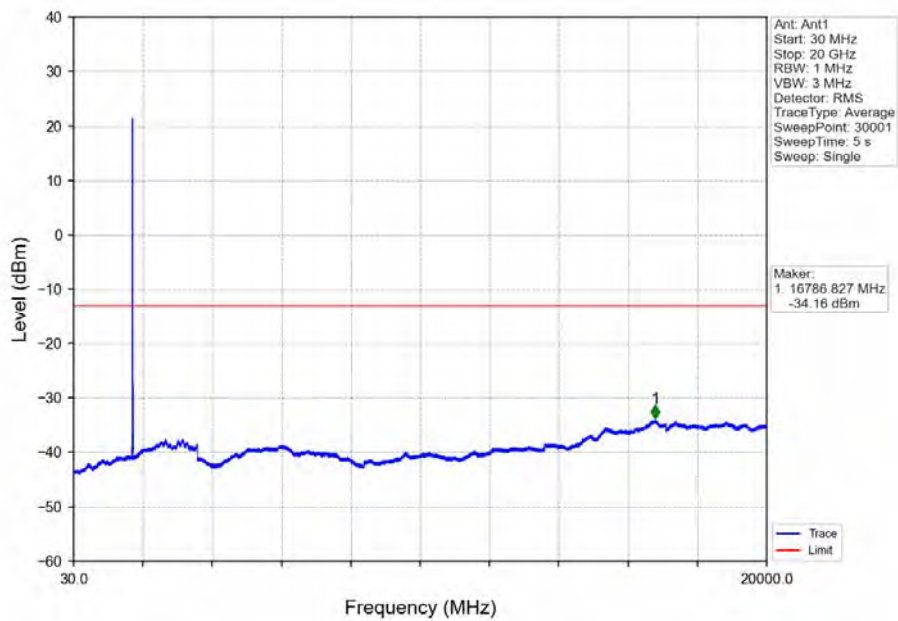
Band4_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV



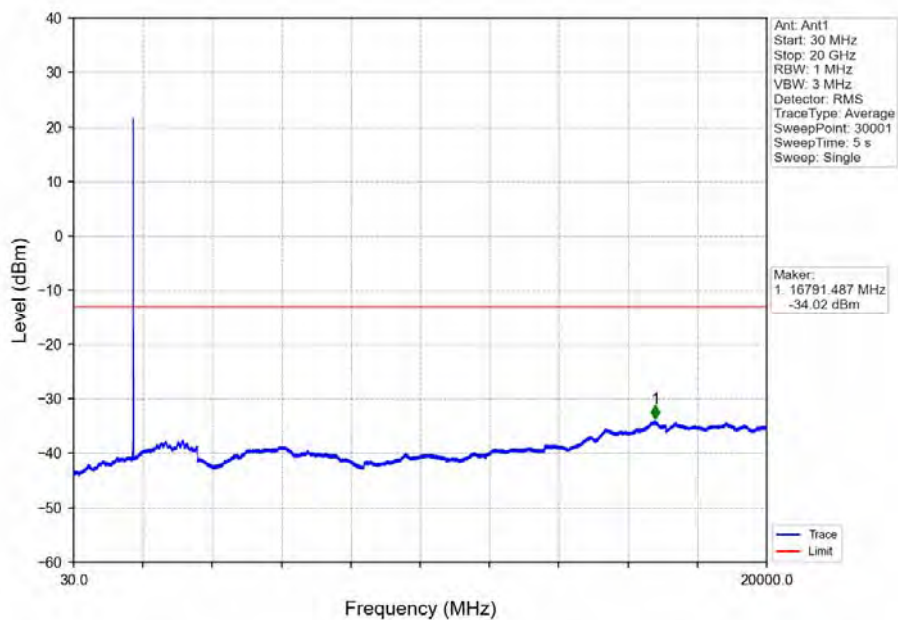
Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



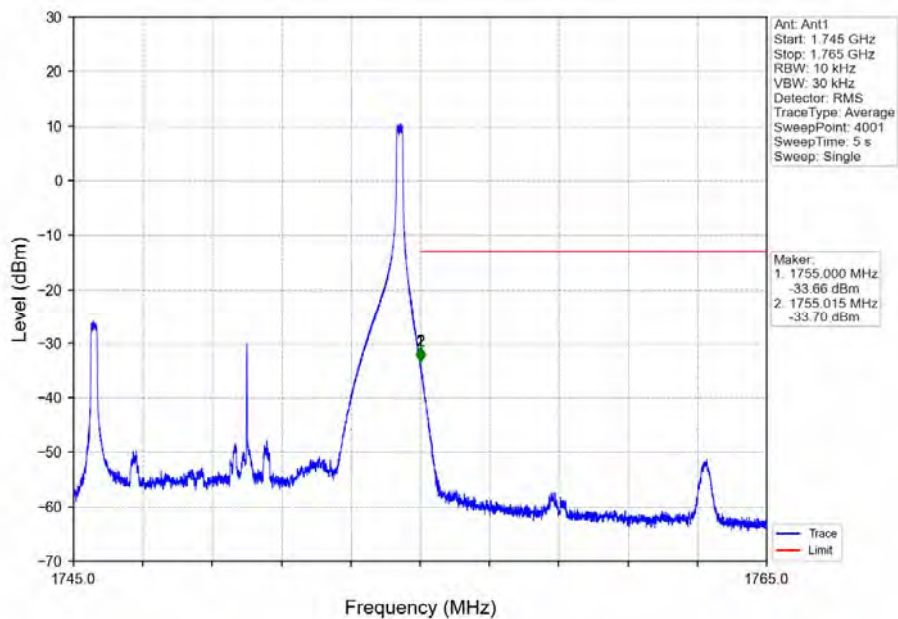
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



Band4_10MHz_64QAM_HCH_1750MHz_RB_1_0_NTNV

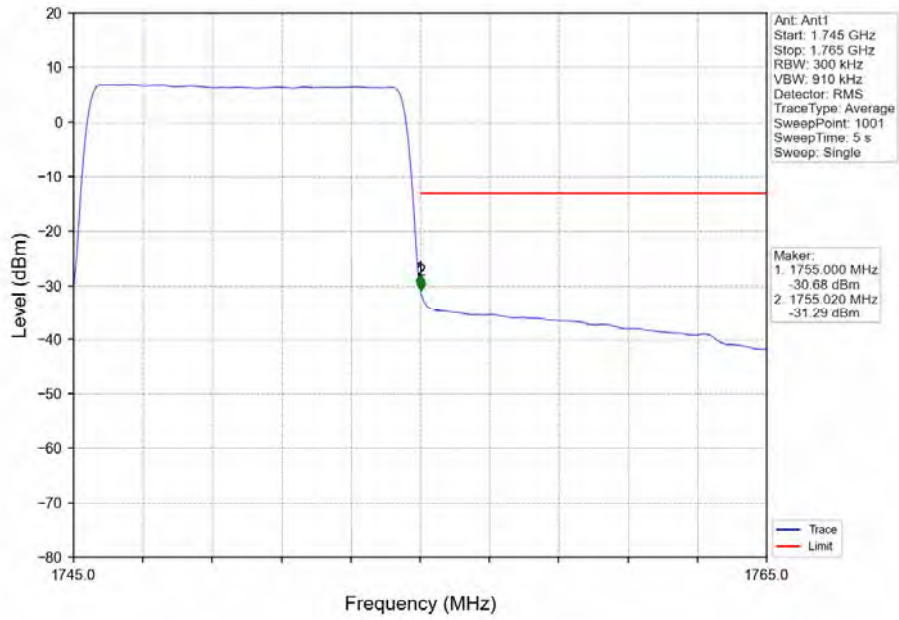


Band4_10MHz_64QAM_HCH_1750MHz_RB_1_49_NTNV





Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV





B4_15MHz

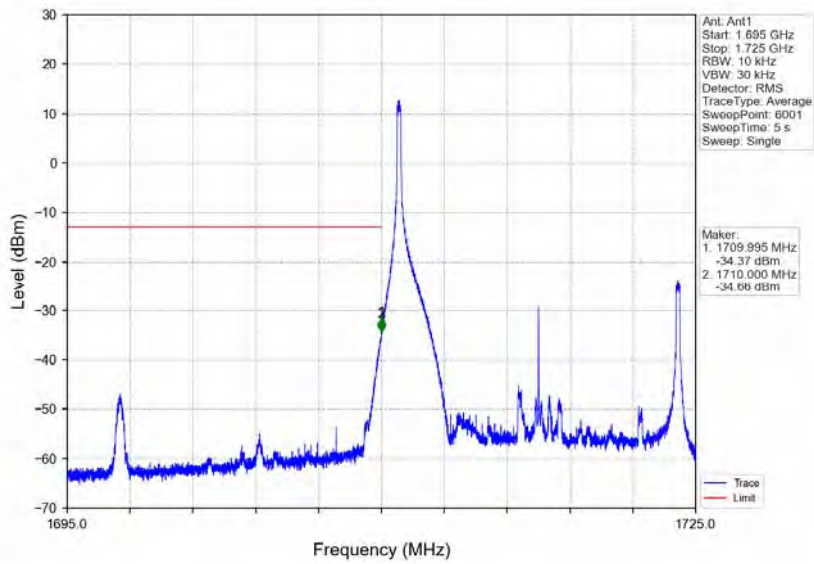
Test Result

Band: 4 / Bandwidth: 15MHz / NTN						
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	
				74	Refer To Test Graph	
			75	0	Refer To Test Graph	
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	
				74	Refer To Test Graph	
			75	0	Refer To Test Graph	
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	
				74	Refer To Test Graph	
			75	0	Refer To Test Graph	

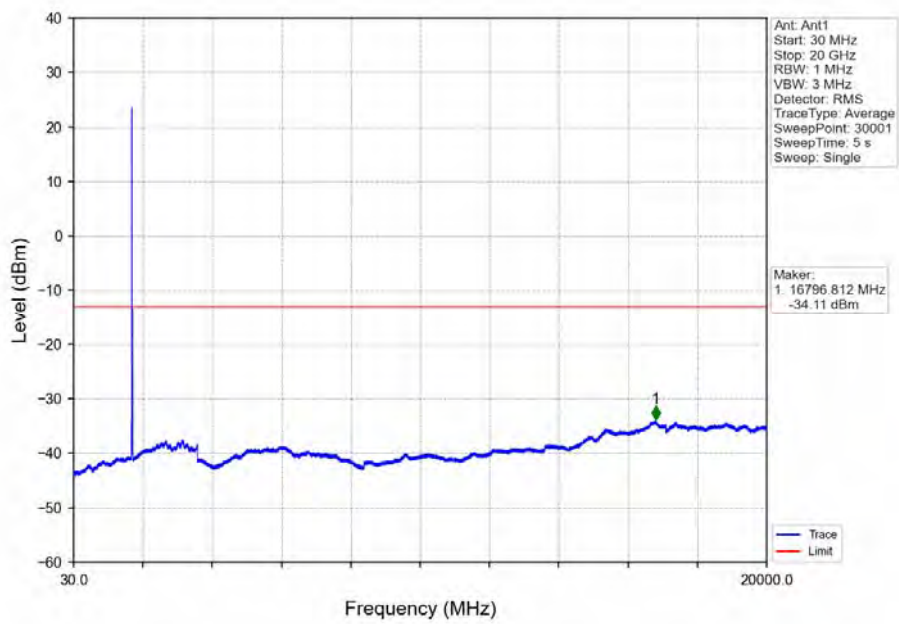


Test Graph

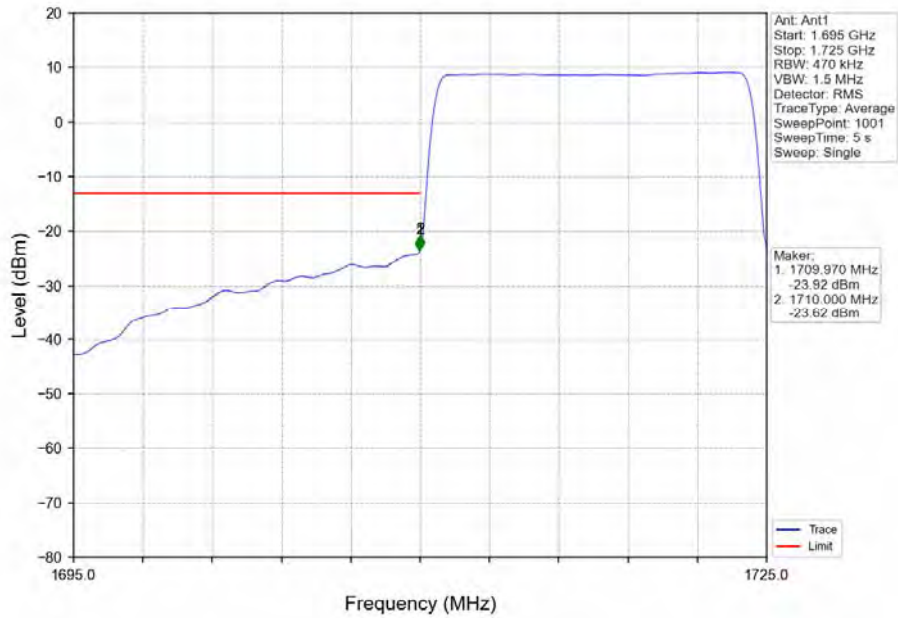
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



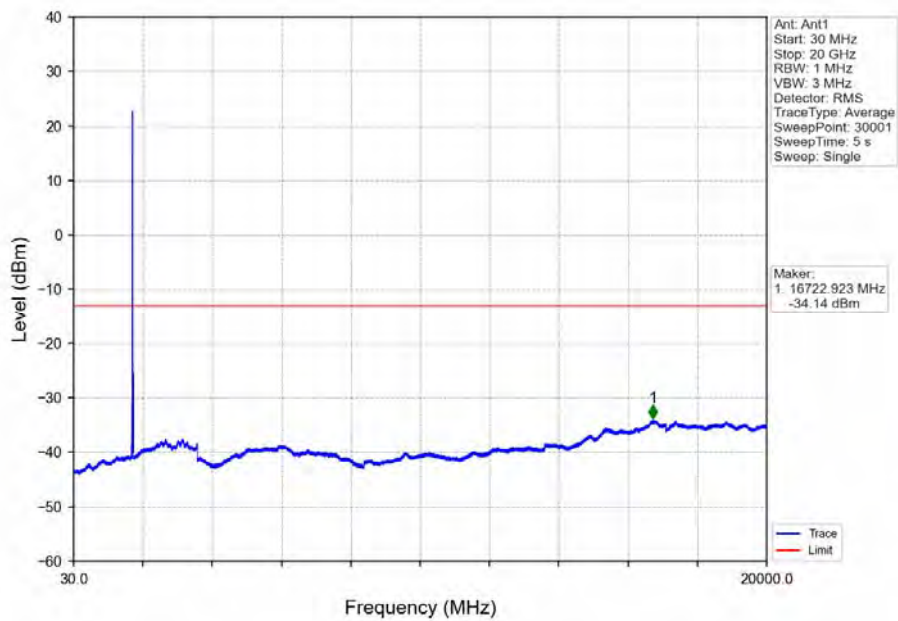
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



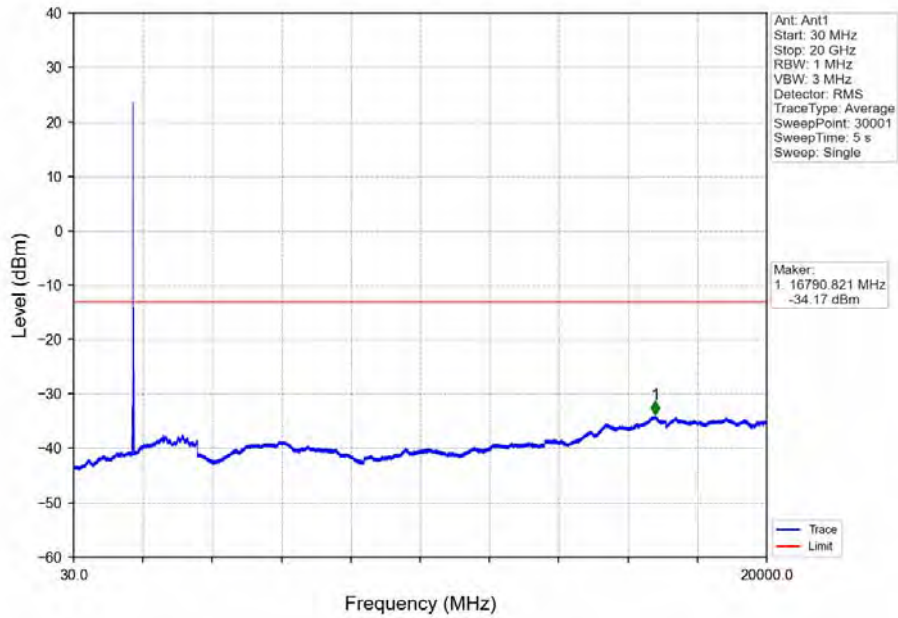
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



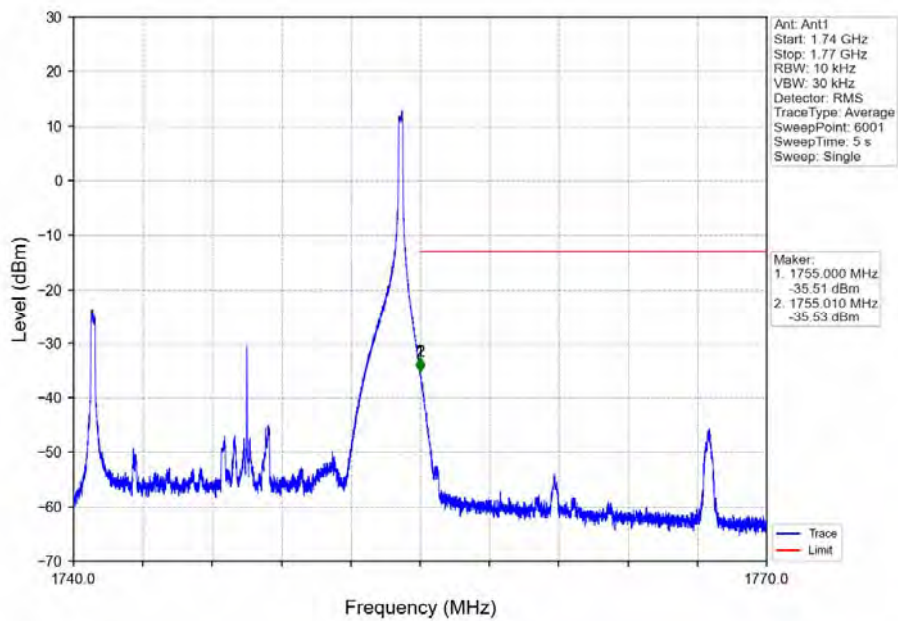
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



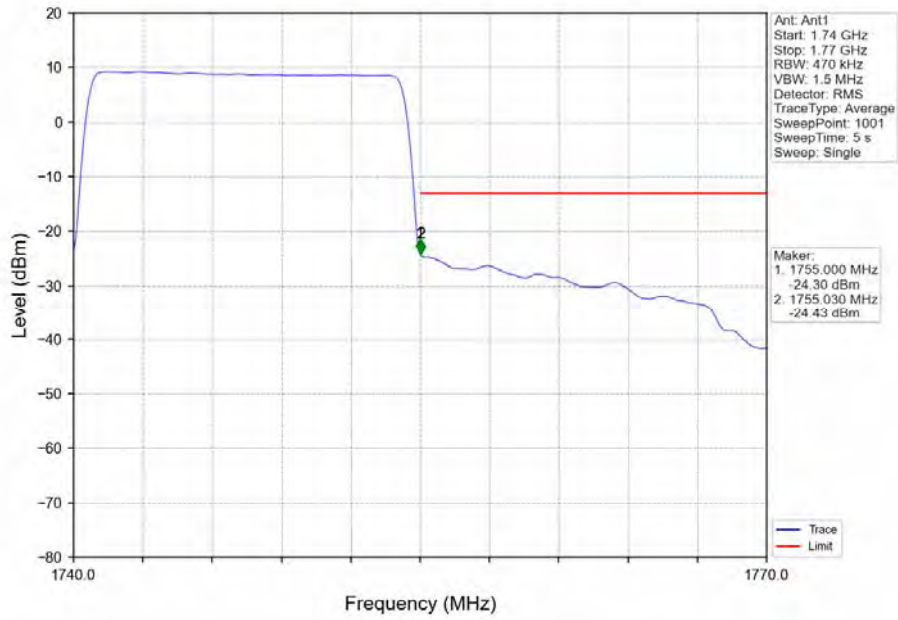
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



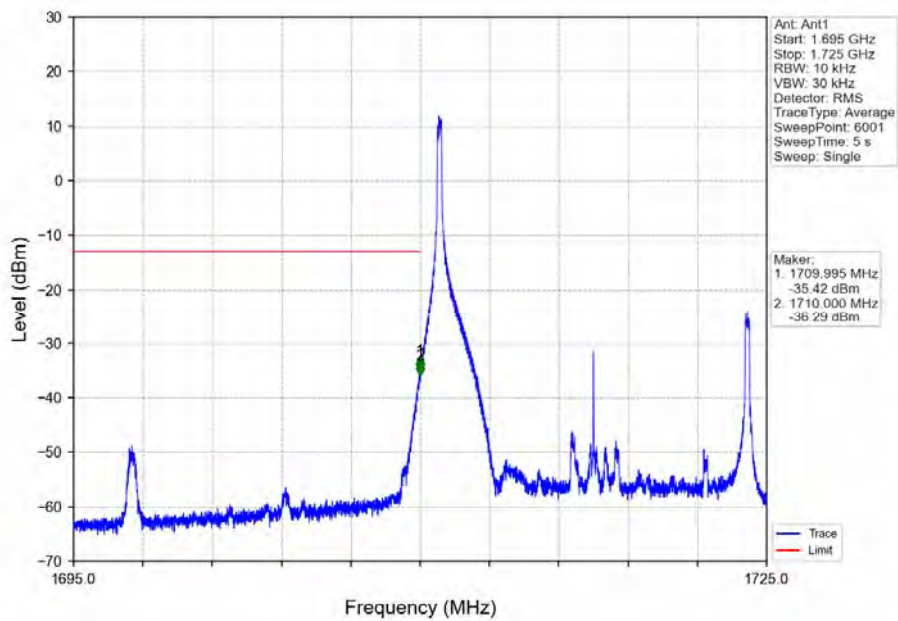
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

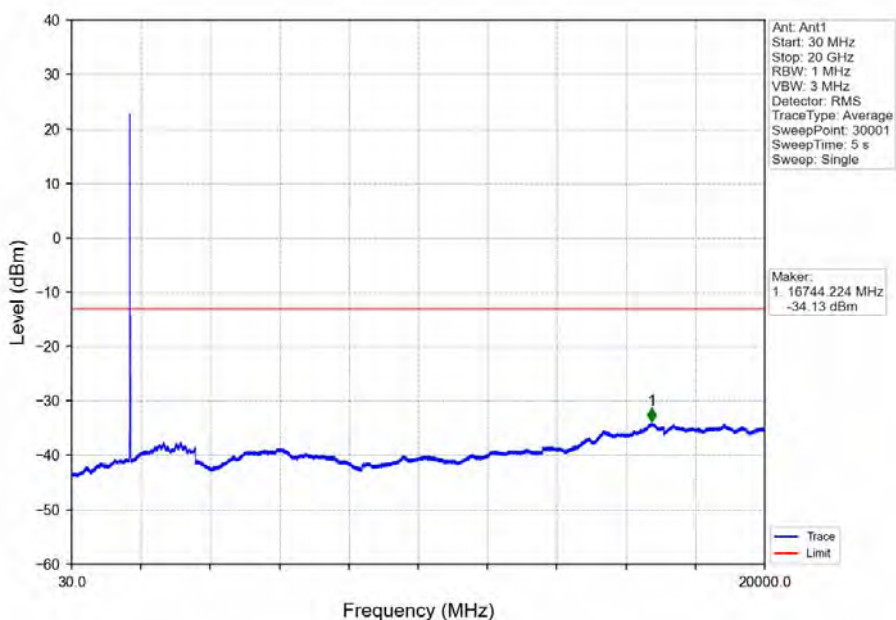


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

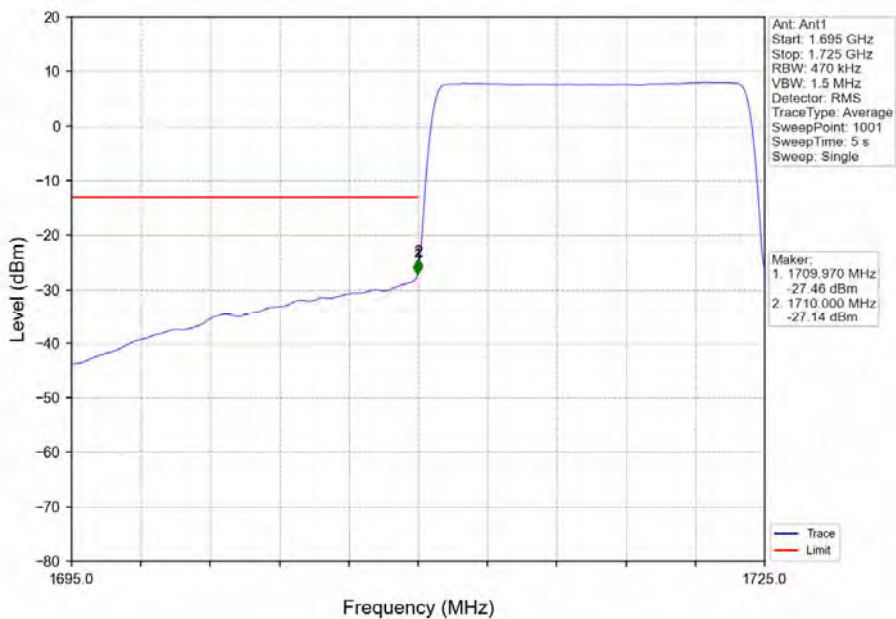




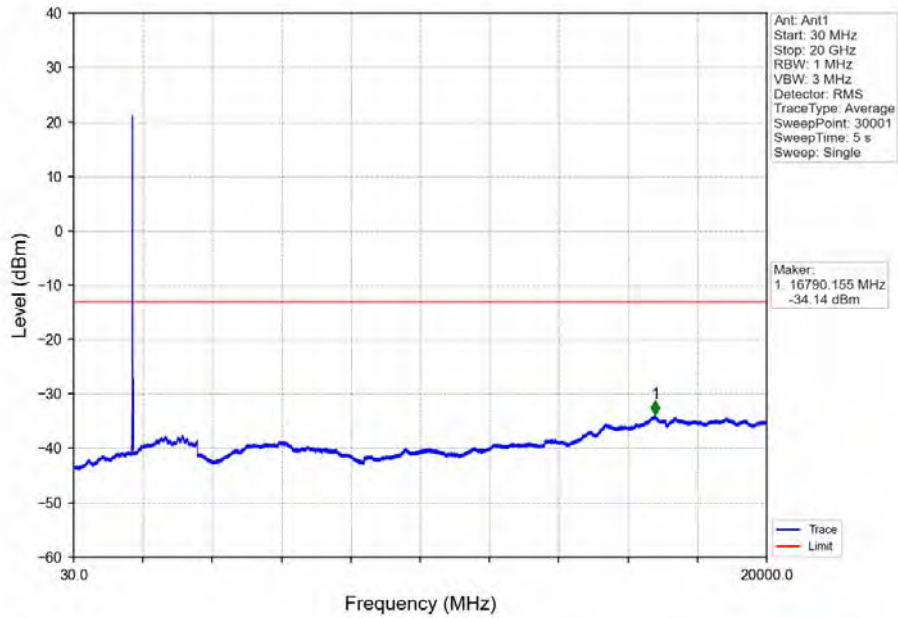
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



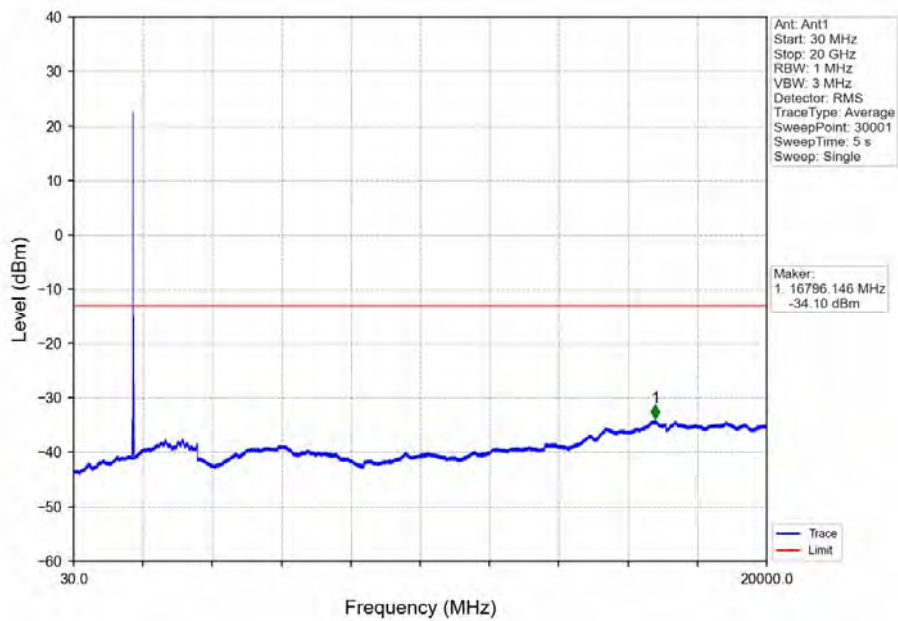
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



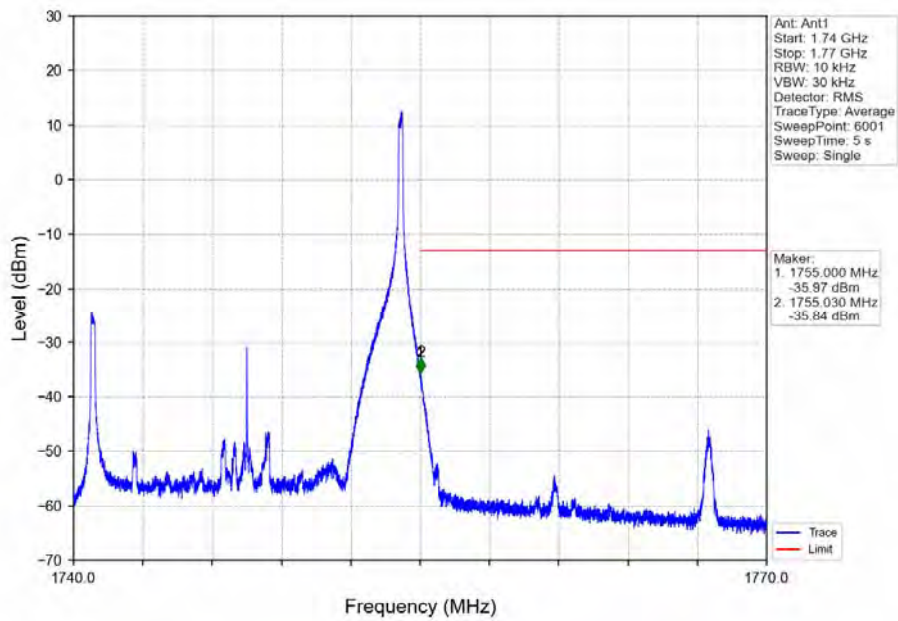
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



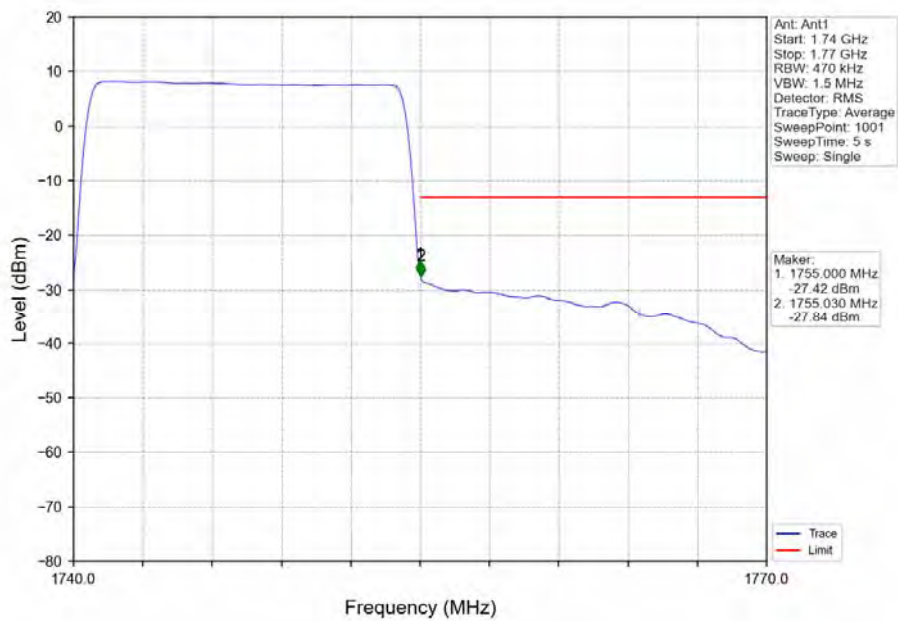
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV



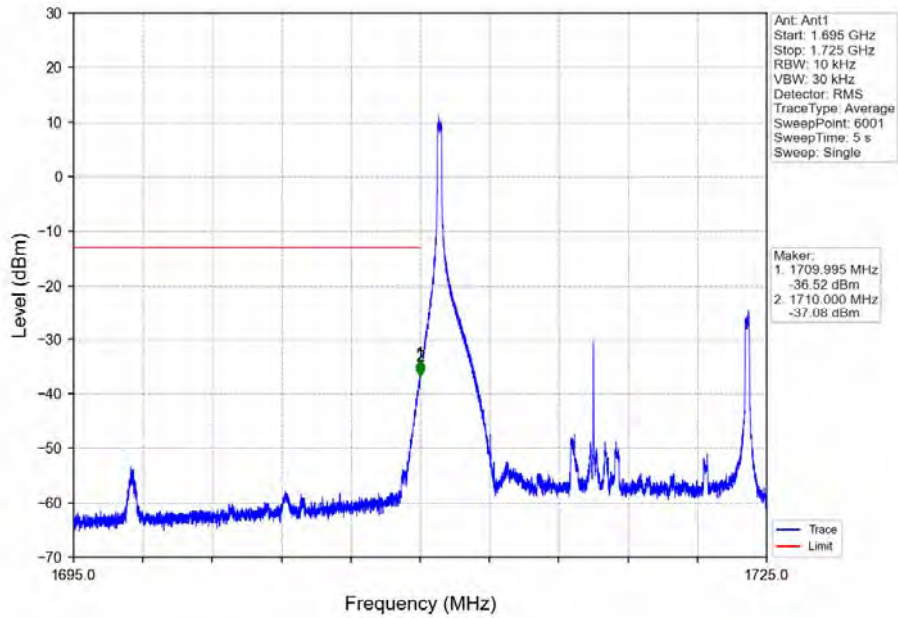
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_74_NTNV



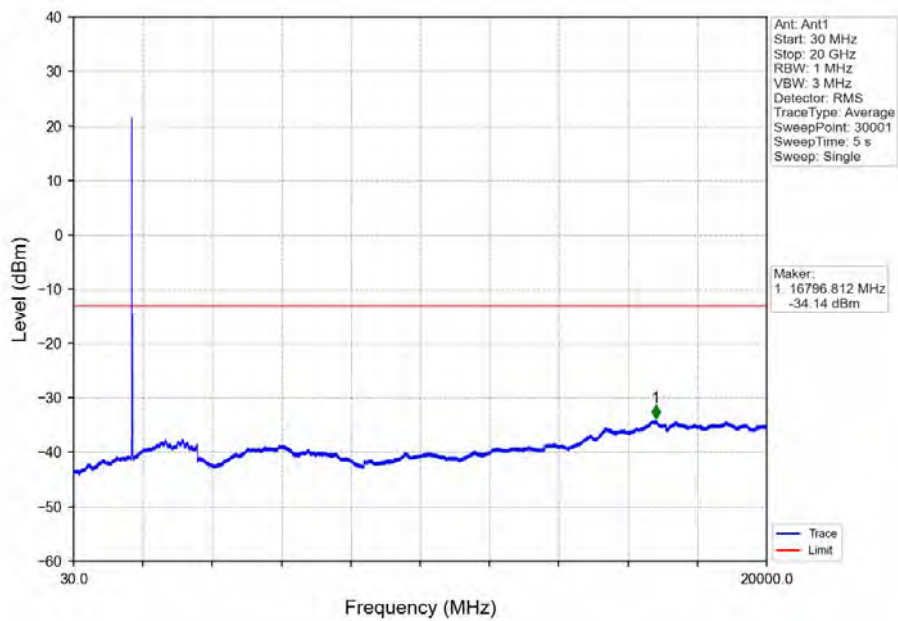
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



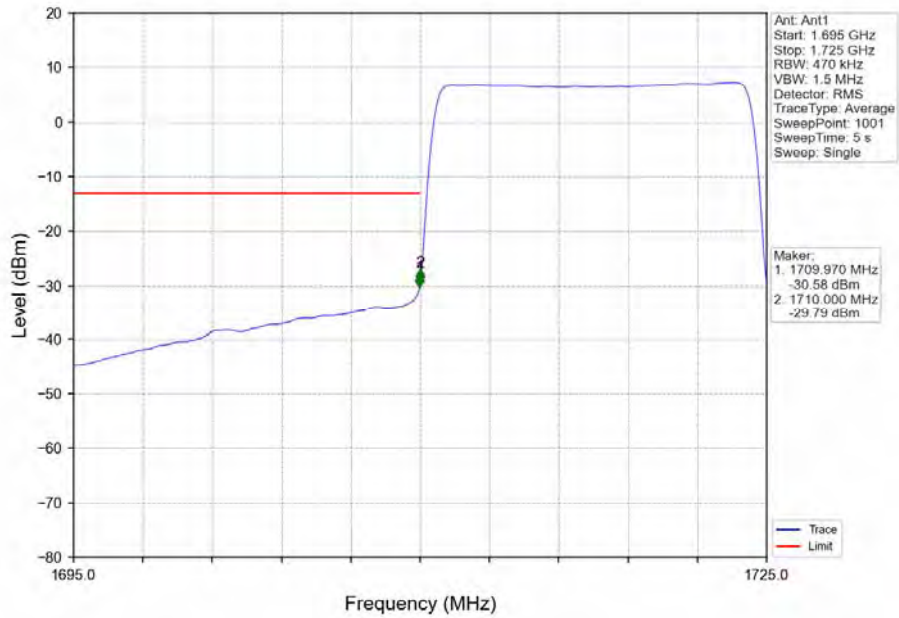
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV



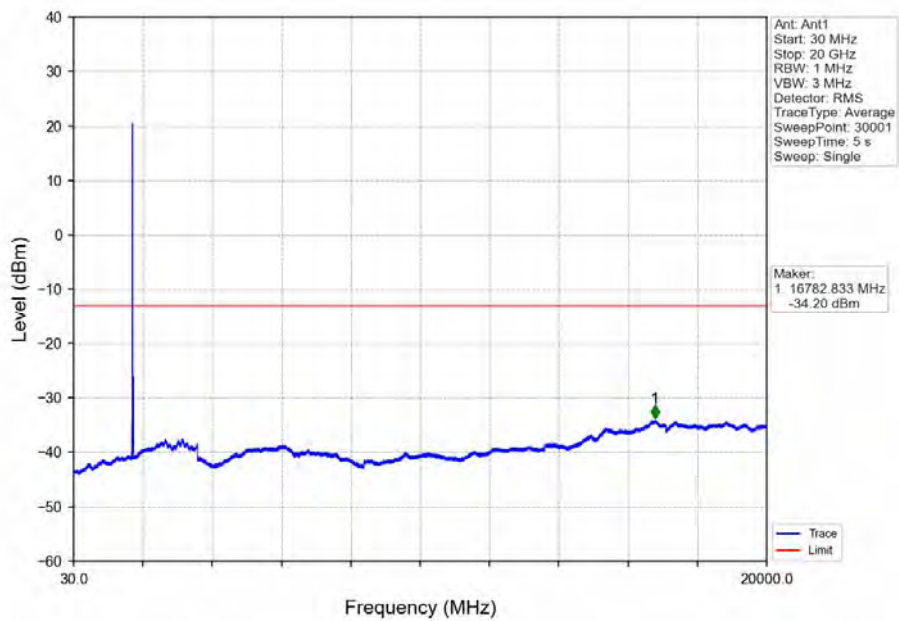
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV



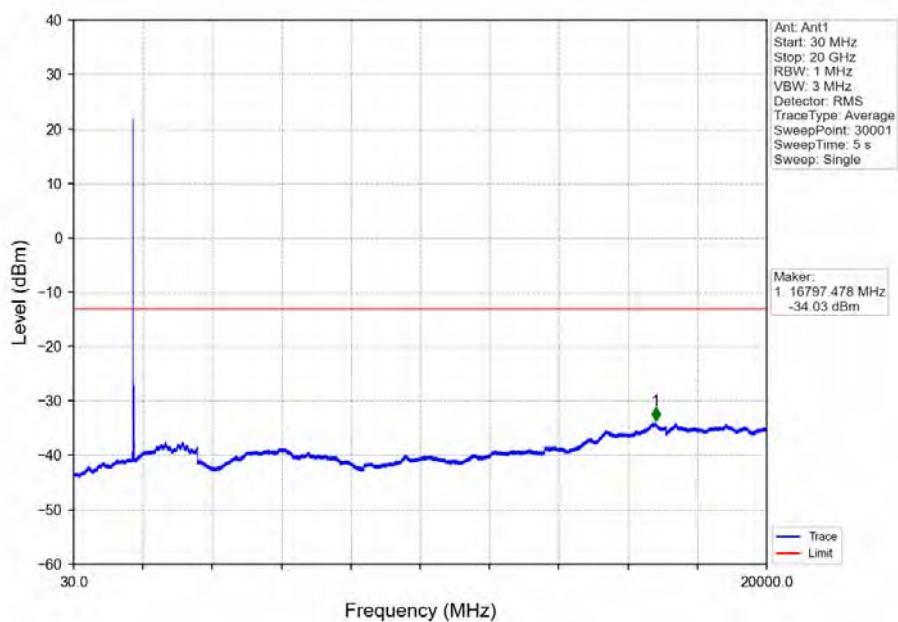
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



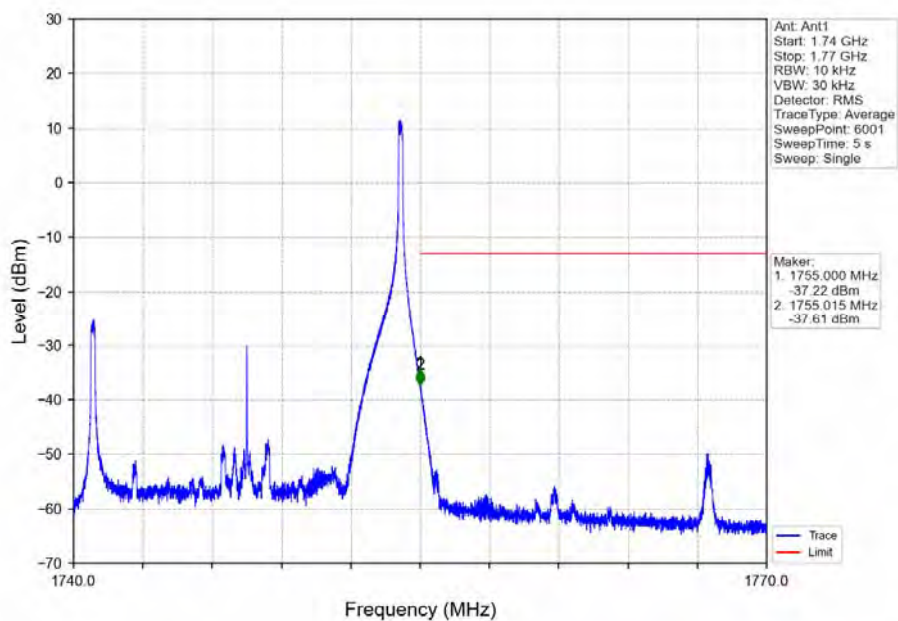
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



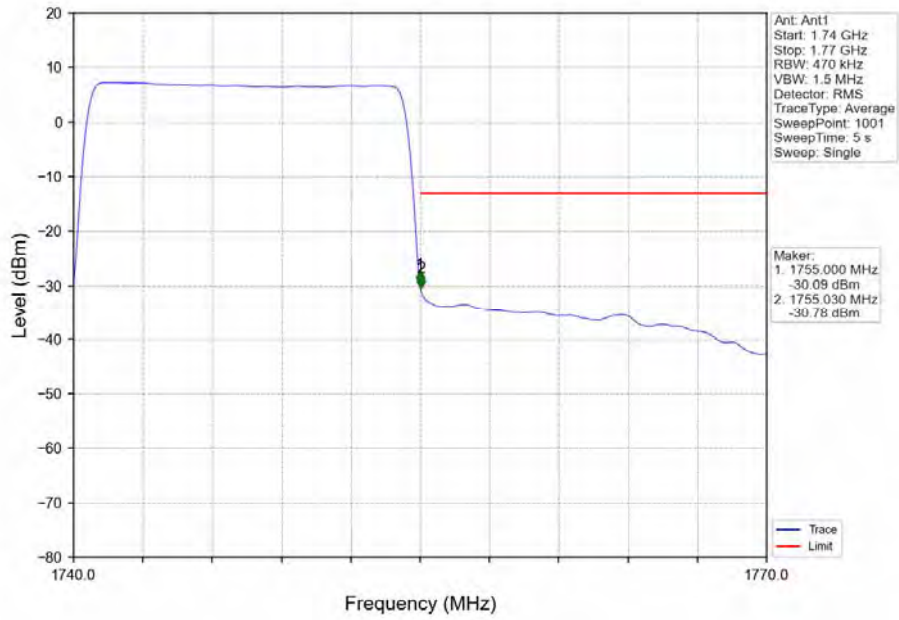
Band4_15MHz_64QAM_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_64QAM_HCH_1747.5MHz_RB_1_74_NTNV



Band4_15MHz_64QAM_HCH_1747.5MHz_RB_75_0_NTNV





B4_20MHz

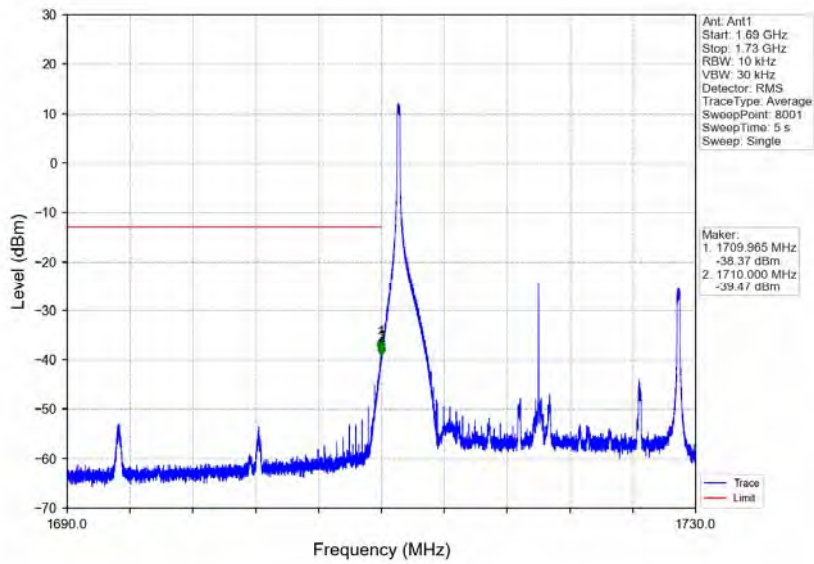
Test Result

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

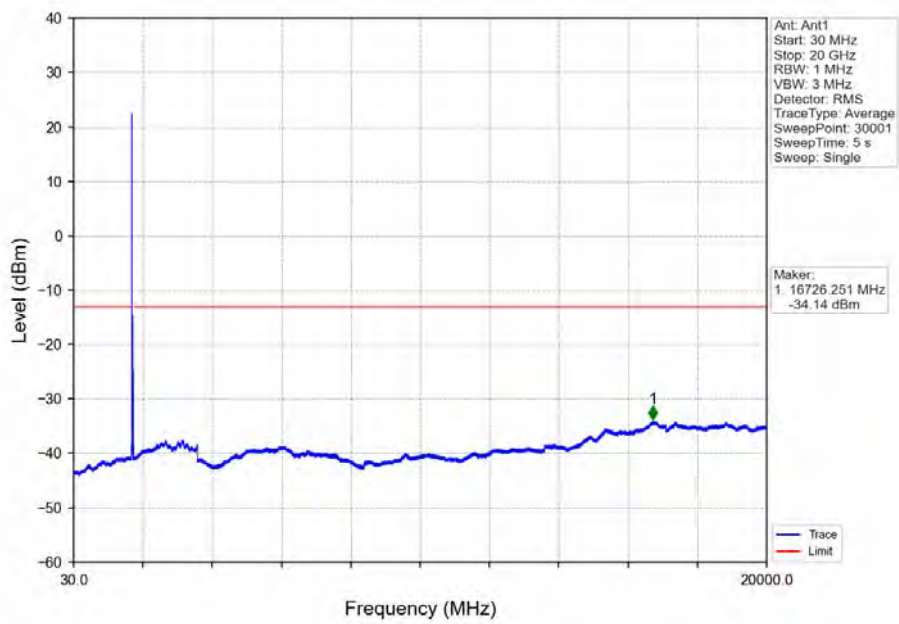


Test Graph

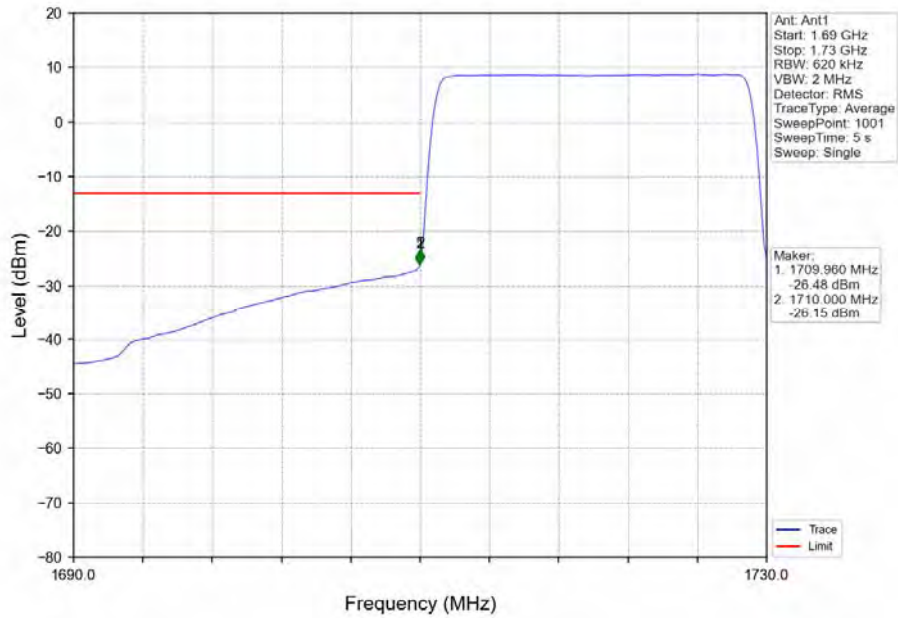
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



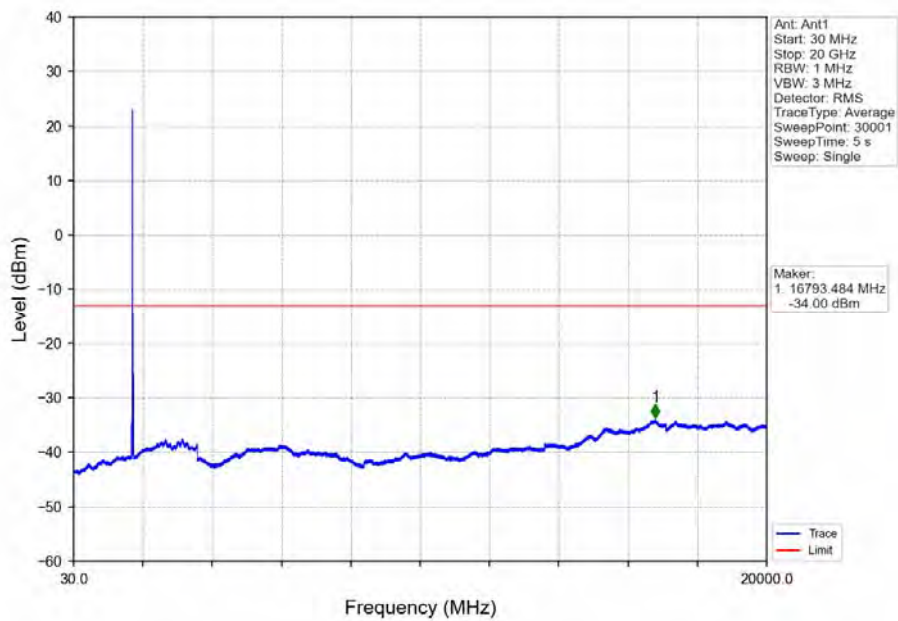
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



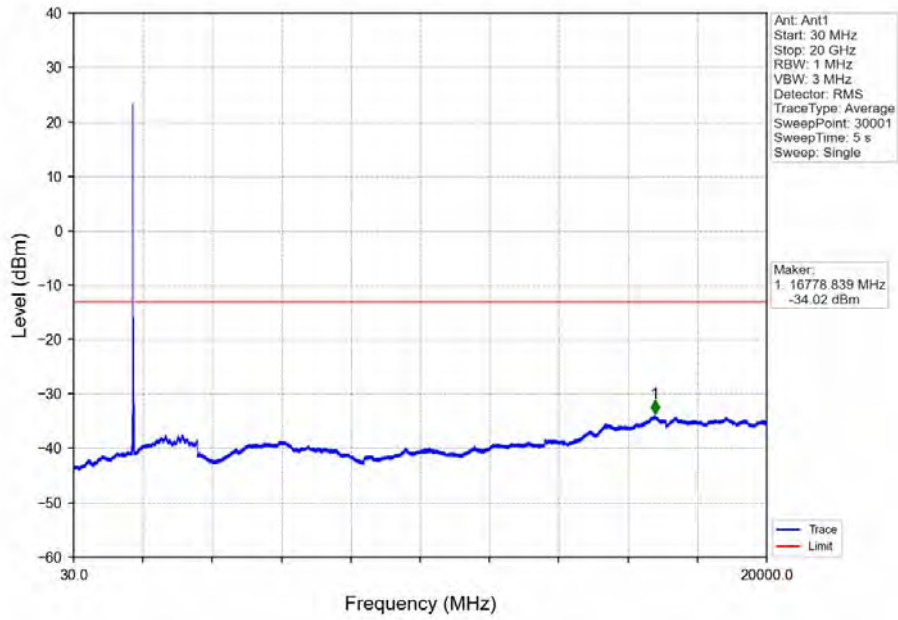
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



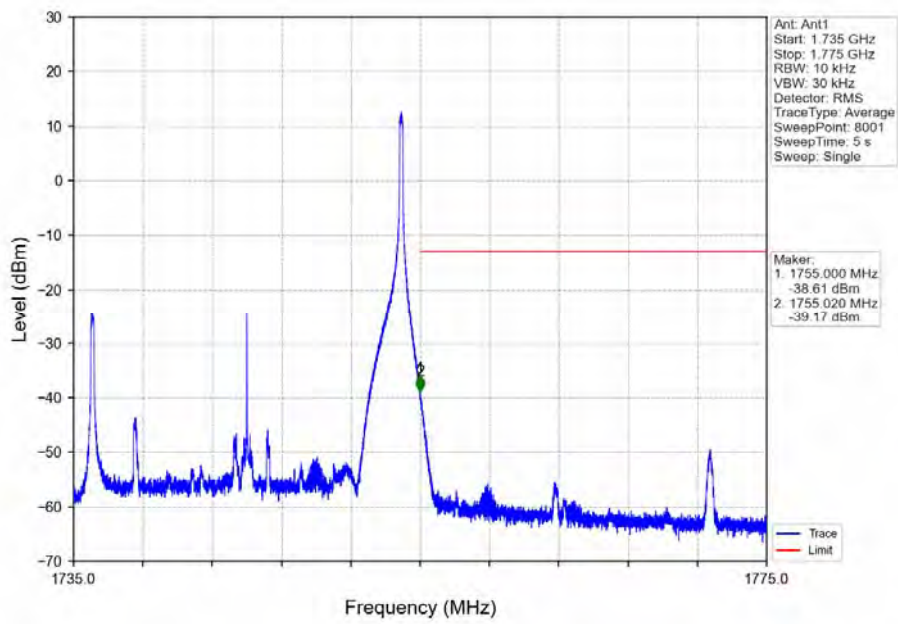
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



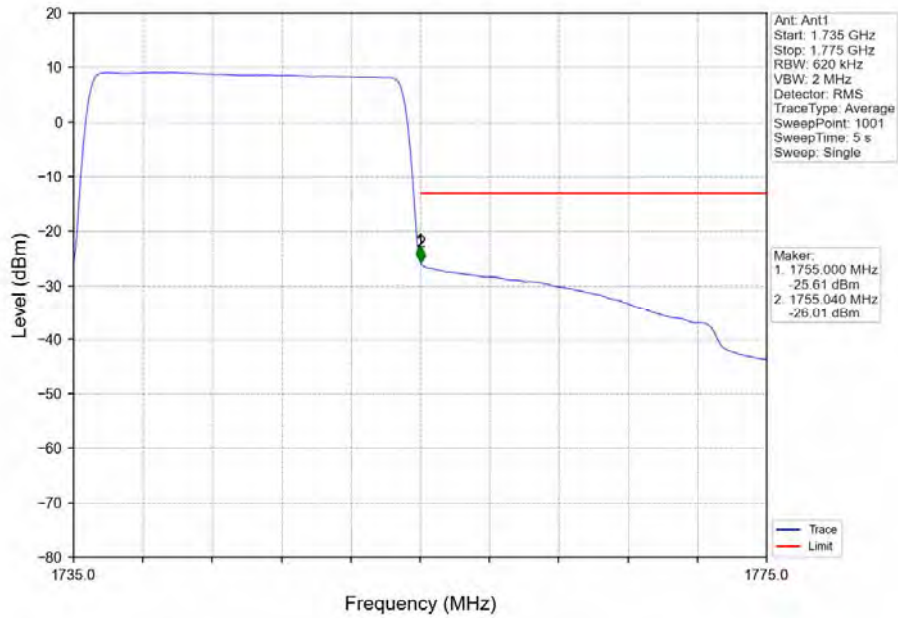
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



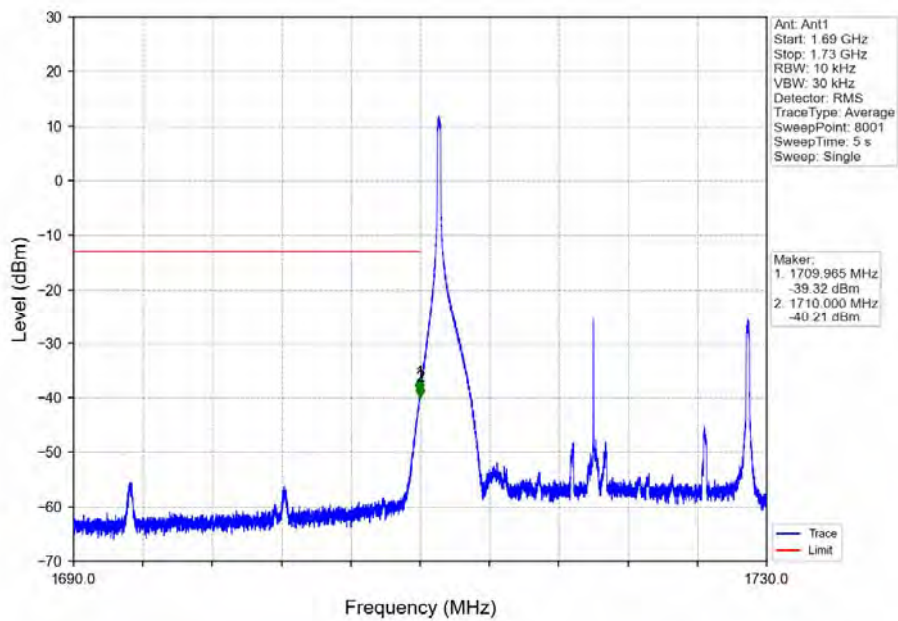
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



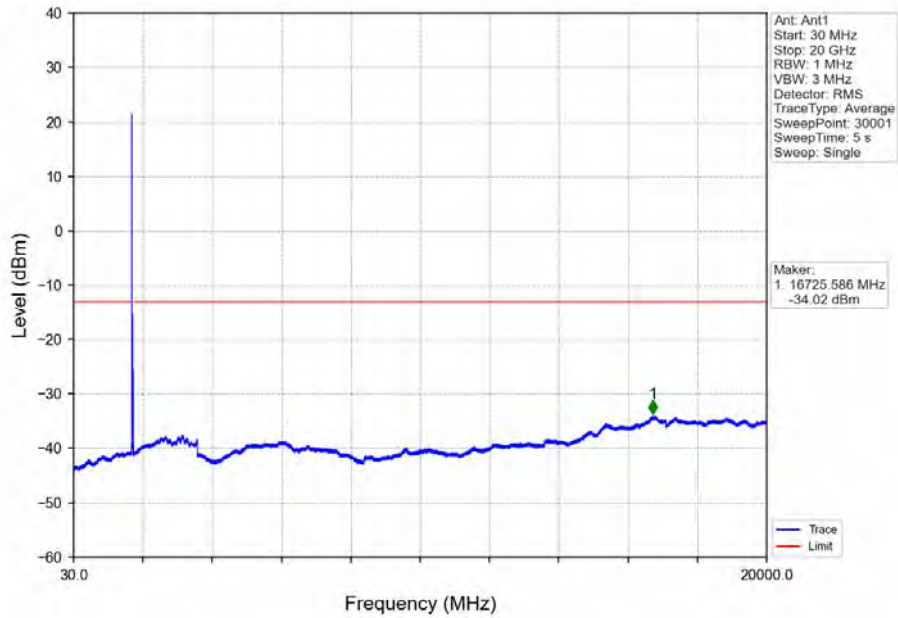
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



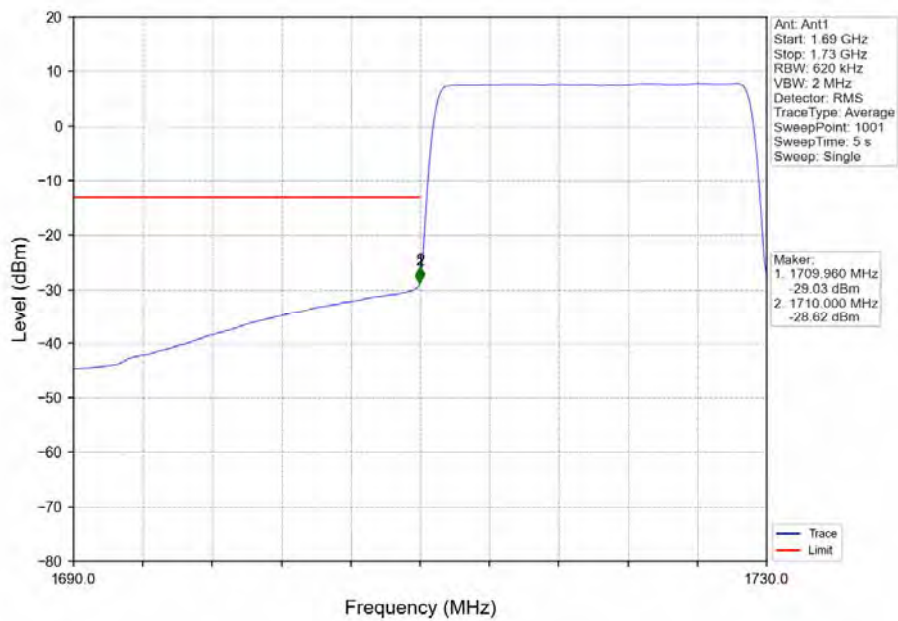
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



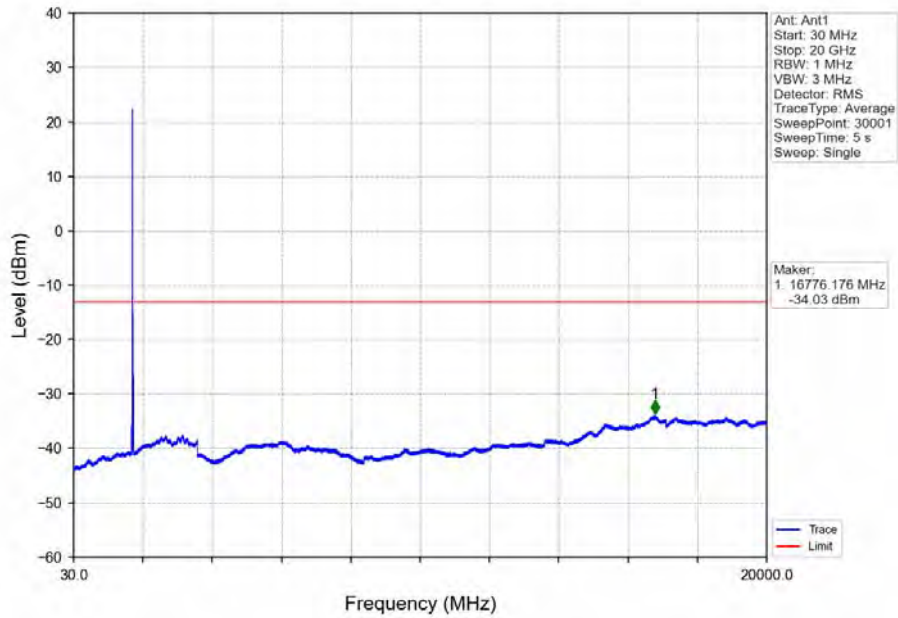
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



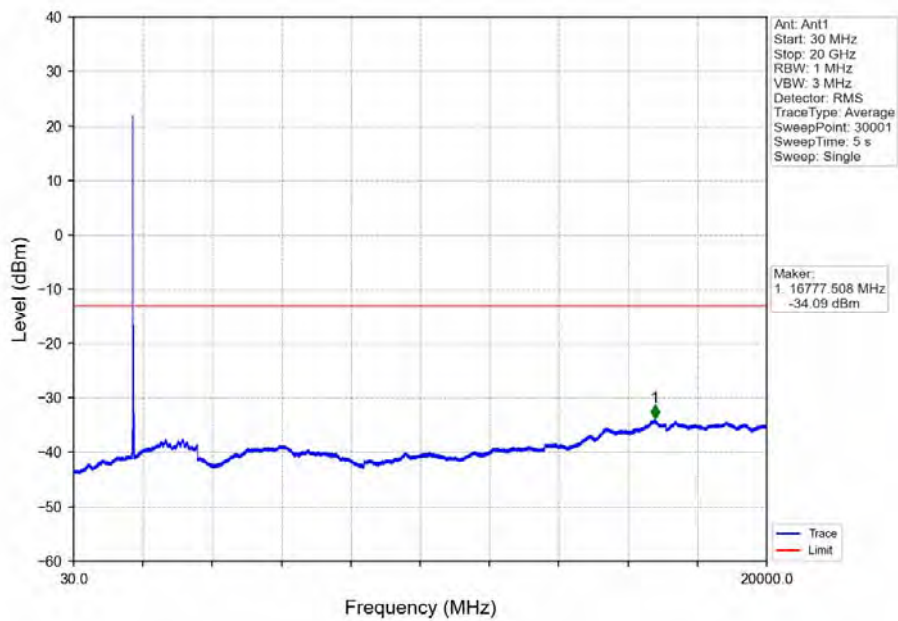
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



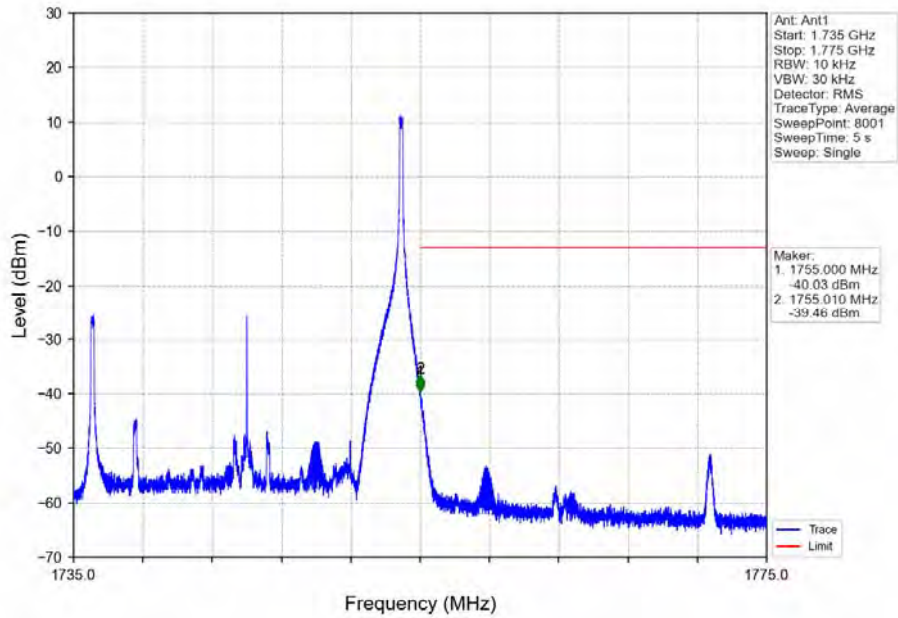
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



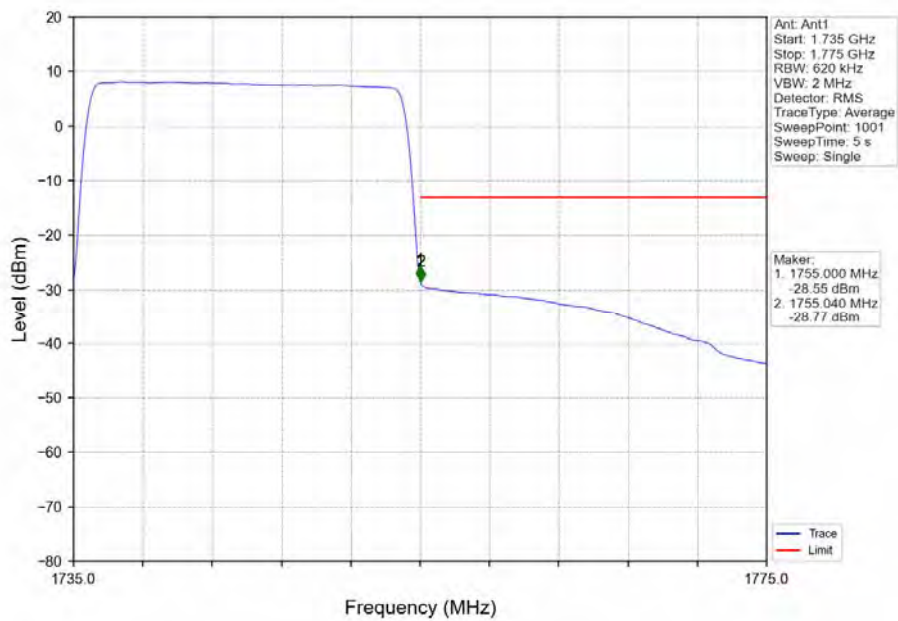
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



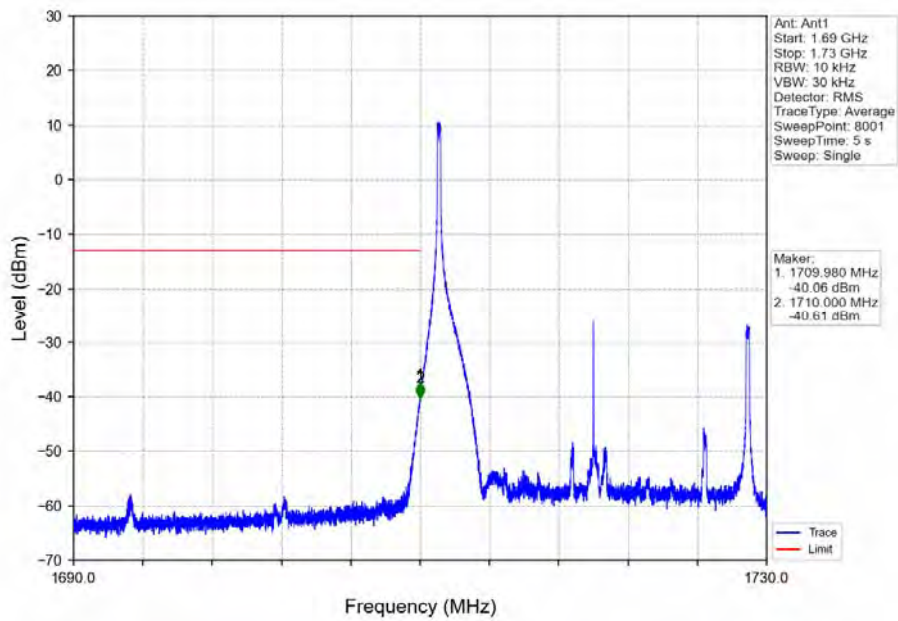
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_99_NTNV



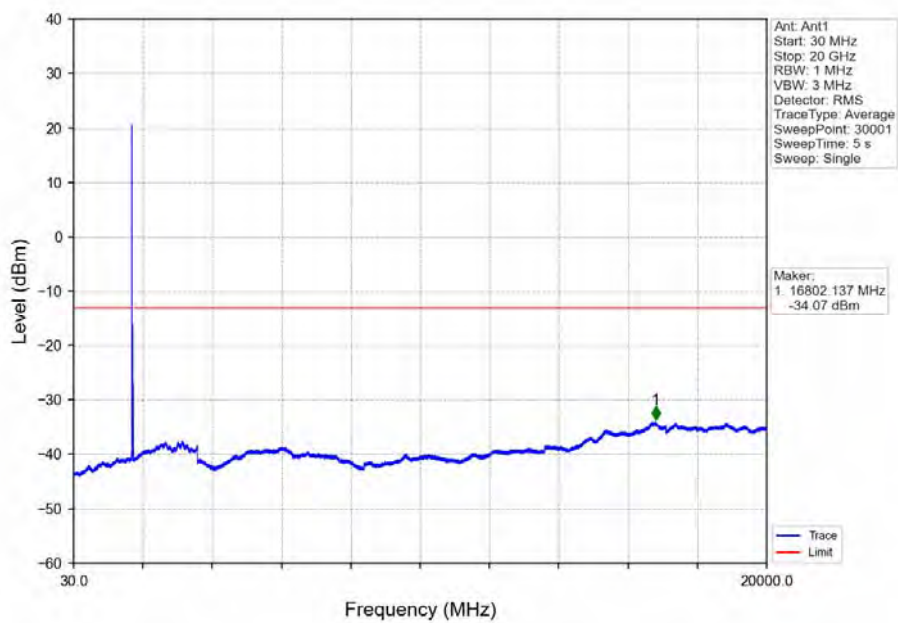
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



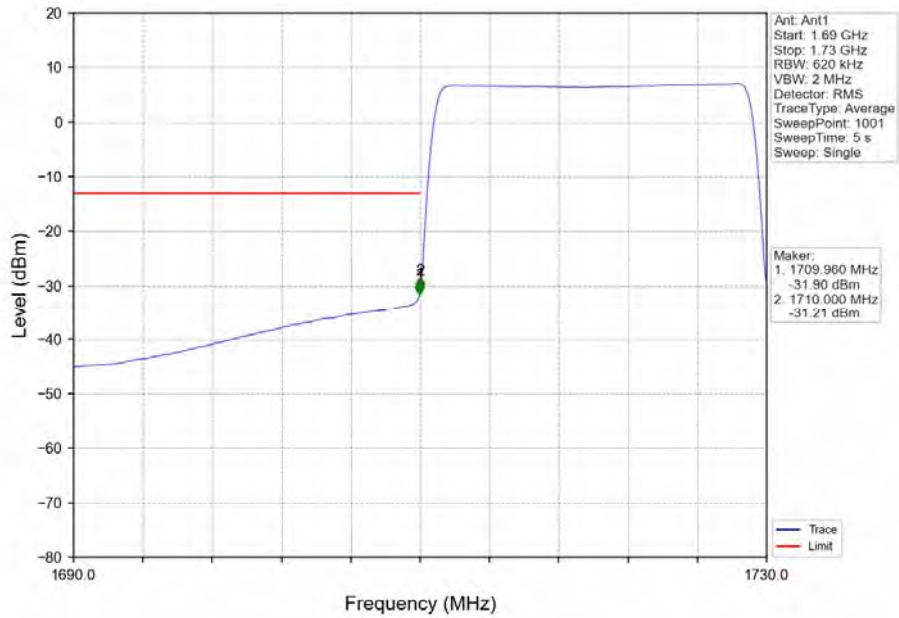
Band4_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



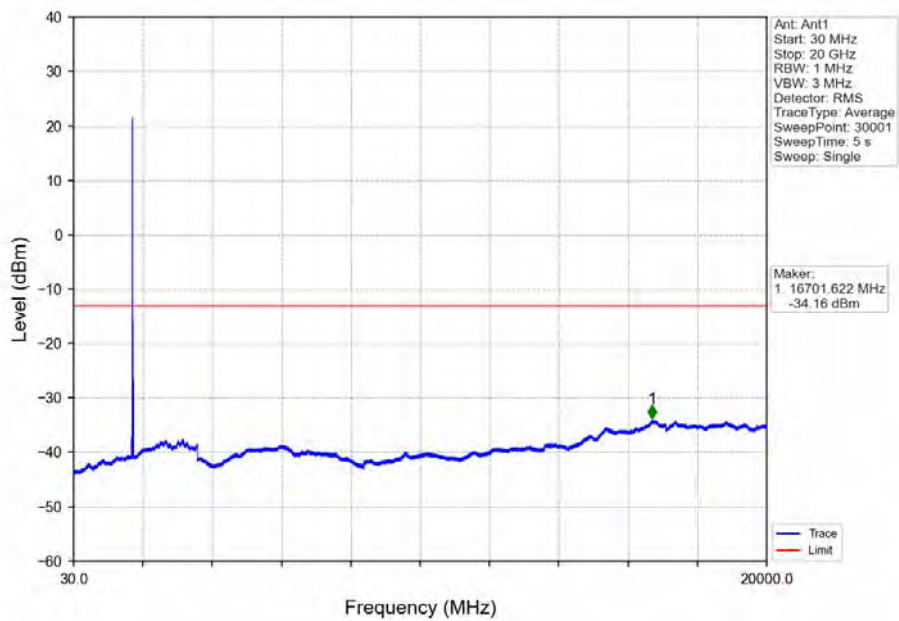
Band4_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



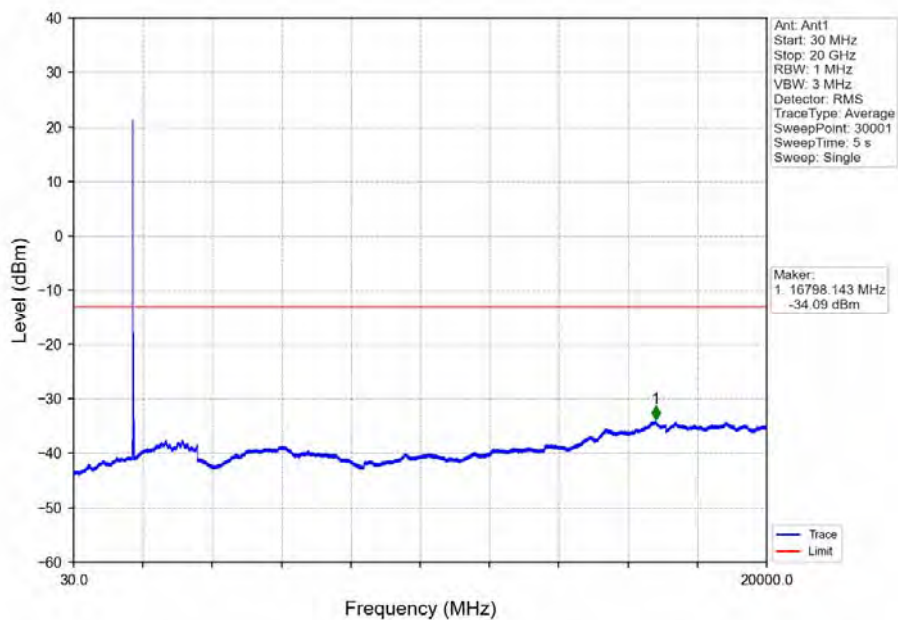
Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



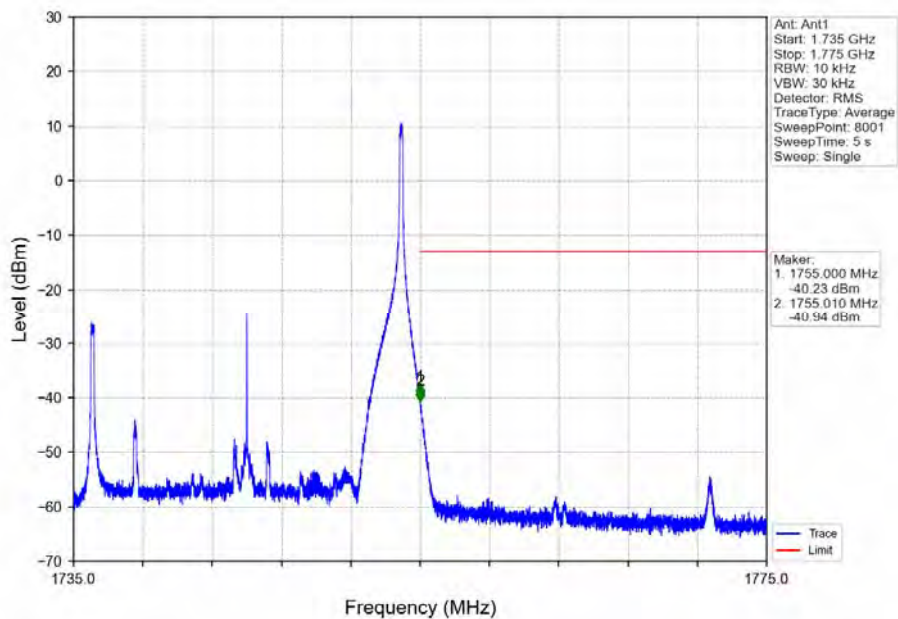
Band4_20MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



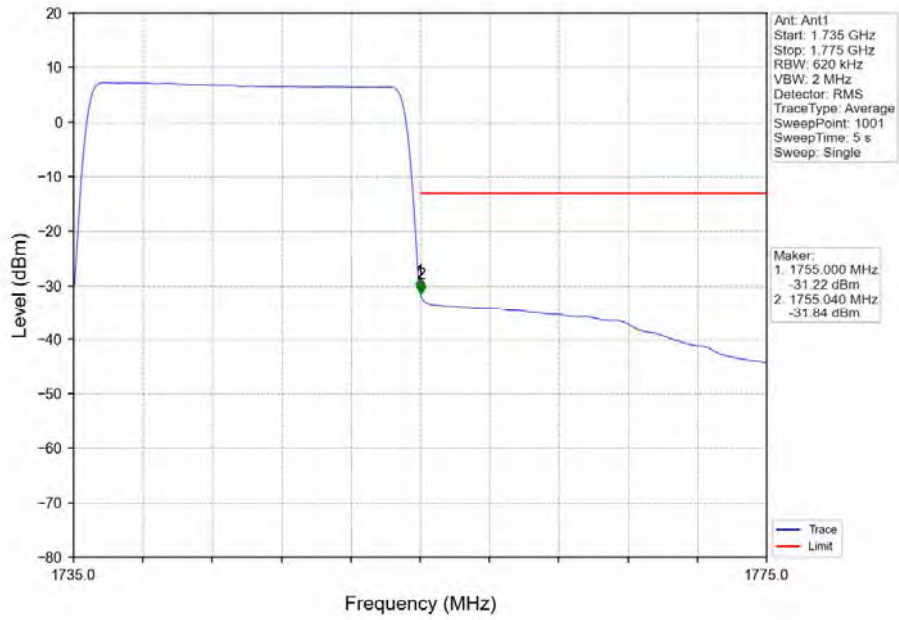
Band4_20MHz_64QAM_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_64QAM_HCH_1745MHz_RB_1_99_NTNV



Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV





APPENDIX B : LTE Band12

Frequency Stability

B12_1.4MHz

Test Result

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	3.27	-13.06	-0.02	-2.5 to 2.5	Pass
					3.85	-9.13	-0.01	-2.5 to 2.5	Pass
					4.43	-5.15	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.17	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.71	-0.01	-2.5 to 2.5	Pass
				10	3.85	-2.83	-0.00	-2.5 to 2.5	Pass
				30	3.85	-5.64	-0.01	-2.5 to 2.5	Pass
				40	3.85	-4.83	-0.01	-2.5 to 2.5	Pass
	50	3.85	-4.79	-0.01	-2.5 to 2.5	Pass			
	707.5	6	0	20	3.27	-2.70	-0.00	-2.5 to 2.5	Pass
					3.85	-7.48	-0.01	-2.5 to 2.5	Pass
					4.43	-9.63	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.52	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.52	-0.01	-2.5 to 2.5	Pass
10				3.85	-4.66	-0.01	-2.5 to 2.5	Pass	
30	3.85	-4.09	-0.01	-2.5 to 2.5	Pass				



				40	3.85	-7.44	-0.01	-2.5 to 2.5	Pass				
				50	3.85	-3.26	-0.00	-2.5 to 2.5	Pass				
				20	3.27	-1.82	-0.00	-2.5 to 2.5	Pass				
					3.85	-8.21	-0.01	-2.5 to 2.5	Pass				
					4.43	-7.40	-0.01	-2.5 to 2.5	Pass				
				-10	3.85	-5.67	-0.01	-2.5 to 2.5	Pass				
				0	3.85	-4.45	-0.01	-2.5 to 2.5	Pass				
				10	3.85	-2.85	-0.00	-2.5 to 2.5	Pass				
				30	3.85	-6.64	-0.01	-2.5 to 2.5	Pass				
				40	3.85	-6.39	-0.01	-2.5 to 2.5	Pass				
				50	3.85	-6.54	-0.01	-2.5 to 2.5	Pass				
				16QAM	699.7	6	0	20	3.27	-8.70	-0.01	-2.5 to 2.5	Pass
									3.85	-3.12	-0.00	-2.5 to 2.5	Pass
4.43	-8.91	-0.01	-2.5 to 2.5						Pass				
-10	3.85	-7.07	-0.01					-2.5 to 2.5	Pass				
0	3.85	-7.40	-0.01					-2.5 to 2.5	Pass				
10	3.85	-8.12	-0.01					-2.5 to 2.5	Pass				
30	3.85	-7.35	-0.01					-2.5 to 2.5	Pass				
40	3.85	-6.87	-0.01					-2.5 to 2.5	Pass				
50	3.85	-7.09	-0.01					-2.5 to 2.5	Pass				
707.5	6	0	20					3.27	-5.48	-0.01	-2.5 to 2.5	Pass	
					3.85	-5.44	-0.01	-2.5 to 2.5	Pass				
					4.43	-3.68	-0.01	-2.5 to 2.5	Pass				
			-10		3.85	-1.69	-0.00	-2.5 to 2.5	Pass				



				0	3.85	-6.57	-0.01	-2.5 to 2.5	Pass				
				10	3.85	-2.49	-0.00	-2.5 to 2.5	Pass				
				30	3.85	-7.68	-0.01	-2.5 to 2.5	Pass				
				40	3.85	-7.20	-0.01	-2.5 to 2.5	Pass				
				50	3.85	-10.86	-0.02	-2.5 to 2.5	Pass				
	715.3	6	0	20	3.27	-7.40	-0.01	-2.5 to 2.5	Pass				
					3.85	-5.71	-0.01	-2.5 to 2.5	Pass				
					4.43	-6.39	-0.01	-2.5 to 2.5	Pass				
				-10	3.85	-7.62	-0.01	-2.5 to 2.5	Pass				
				0	3.85	-8.51	-0.01	-2.5 to 2.5	Pass				
				10	3.85	-4.33	-0.01	-2.5 to 2.5	Pass				
				30	3.85	-2.32	-0.00	-2.5 to 2.5	Pass				
				40	3.85	-3.89	-0.01	-2.5 to 2.5	Pass				
				50	3.85	-5.42	-0.01	-2.5 to 2.5	Pass				
				64QAM	699.7	6	0	20	3.27	-2.60	-0.00	-2.5 to 2.5	Pass
									3.85	-6.48	-0.01	-2.5 to 2.5	Pass
									4.43	-6.21	-0.01	-2.5 to 2.5	Pass
								-10	3.85	-6.77	-0.01	-2.5 to 2.5	Pass
								0	3.85	-7.28	-0.01	-2.5 to 2.5	Pass
10	3.85	-2.50	-0.00					-2.5 to 2.5	Pass				
30	3.85	-5.52	-0.01					-2.5 to 2.5	Pass				
40	3.85	-3.40	-0.00					-2.5 to 2.5	Pass				
50	3.85	-5.09	-0.01					-2.5 to 2.5	Pass				
707.5	6	0	20					3.27	-5.19	-0.01	-2.5 to 2.5	Pass	



					3.85	-4.32	-0.01	-2.5 to 2.5	Pass	
					4.43	-7.27	-0.01	-2.5 to 2.5	Pass	
				-10	3.85	-9.81	-0.01	-2.5 to 2.5	Pass	
				0	3.85	-8.55	-0.01	-2.5 to 2.5	Pass	
				10	3.85	-7.38	-0.01	-2.5 to 2.5	Pass	
				30	3.85	-6.82	-0.01	-2.5 to 2.5	Pass	
				40	3.85	-7.97	-0.01	-2.5 to 2.5	Pass	
				50	3.85	-6.88	-0.01	-2.5 to 2.5	Pass	
	715.3	6	0	20		3.27	-11.06	-0.02	-2.5 to 2.5	Pass
						3.85	-3.39	-0.00	-2.5 to 2.5	Pass
						4.43	-3.10	-0.00	-2.5 to 2.5	Pass
					-10	3.85	-3.55	-0.01	-2.5 to 2.5	Pass
					0	3.85	-7.47	-0.01	-2.5 to 2.5	Pass
					10	3.85	-8.44	-0.01	-2.5 to 2.5	Pass
					30	3.85	-9.57	-0.01	-2.5 to 2.5	Pass
					40	3.85	-7.70	-0.01	-2.5 to 2.5	Pass
	50	3.85	-9.37	-0.01	-2.5 to 2.5	Pass				

B12_3MHz

Test Result

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



					3.85	-12.49	-0.02	-2.5 to 2.5	Pass
					4.43	-10.37	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-8.12	-0.01	-2.5 to 2.5	Pass
				0	3.85	-3.65	-0.01	-2.5 to 2.5	Pass
				10	3.85	-5.24	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.14	-0.01	-2.5 to 2.5	Pass
				40	3.85	-7.01	-0.01	-2.5 to 2.5	Pass
				50	3.85	-4.72	-0.01	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-0.11	-0.00	-2.5 to 2.5	Pass
					3.85	-8.58	-0.01	-2.5 to 2.5	Pass
					4.43	-10.93	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-7.54	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.02	-0.01	-2.5 to 2.5	Pass
				10	3.85	-6.01	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.51	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.14	-0.01	-2.5 to 2.5	Pass
				50	3.85	-4.59	-0.01	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-2.60	-0.00	-2.5 to 2.5	Pass
					3.85	-9.24	-0.01	-2.5 to 2.5	Pass
					4.43	-7.70	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-3.45	-0.00	-2.5 to 2.5	Pass
				0	3.85	-4.89	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.42	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.02	-0.01	-2.5 to 2.5	Pass



				40	3.85	-7.38	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.14	-0.01	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	-3.40	-0.00	-2.5 to 2.5	Pass
					3.85	-3.05	-0.00	-2.5 to 2.5	Pass
					4.43	-6.88	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-8.28	-0.01	-2.5 to 2.5	Pass
				0	3.85	-2.17	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.75	-0.00	-2.5 to 2.5	Pass
				30	3.85	-5.81	-0.01	-2.5 to 2.5	Pass
				40	3.85	-10.91	-0.02	-2.5 to 2.5	Pass
				50	3.85	-7.72	-0.01	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-7.70	-0.01	-2.5 to 2.5	Pass
					3.85	-5.11	-0.01	-2.5 to 2.5	Pass
					4.43	-4.46	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-5.75	-0.01	-2.5 to 2.5	Pass
				0	3.85	-9.21	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.44	-0.01	-2.5 to 2.5	Pass
				30	3.85	-8.63	-0.01	-2.5 to 2.5	Pass
				40	3.85	-6.50	-0.01	-2.5 to 2.5	Pass
				50	3.85	-9.23	-0.01	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-5.32	-0.01	-2.5 to 2.5	Pass
					3.85	-6.87	-0.01	-2.5 to 2.5	Pass
					4.43	-7.12	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-5.95	-0.01	-2.5 to 2.5	Pass



				0	3.85	-9.51	-0.01	-2.5 to 2.5	Pass
				10	3.85	-12.35	-0.02	-2.5 to 2.5	Pass
				30	3.85	-6.25	-0.01	-2.5 to 2.5	Pass
				40	3.85	-10.24	-0.01	-2.5 to 2.5	Pass
				50	3.85	-10.81	-0.02	-2.5 to 2.5	Pass
64QAM	700.5	15	0	20	3.27	-11.09	-0.02	-2.5 to 2.5	Pass
					3.85	-11.16	-0.02	-2.5 to 2.5	Pass
					4.43	-10.91	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-6.58	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.27	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.21	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.65	-0.01	-2.5 to 2.5	Pass
				40	3.85	-2.20	-0.00	-2.5 to 2.5	Pass
				50	3.85	-5.38	-0.01	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-7.32	-0.01	-2.5 to 2.5	Pass
					3.85	-10.61	-0.01	-2.5 to 2.5	Pass
					4.43	-5.38	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-5.46	-0.01	-2.5 to 2.5	Pass
				0	3.85	-6.85	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.08	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.12	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.21	-0.01	-2.5 to 2.5	Pass
				50	3.85	-9.00	-0.01	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-9.71	-0.01	-2.5 to 2.5	Pass



					3.85	-7.08	-0.01	-2.5 to 2.5	Pass
					4.43	-3.35	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-7.75	-0.01	-2.5 to 2.5	Pass
				0	3.85	-6.85	-0.01	-2.5 to 2.5	Pass
				10	3.85	-6.82	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.41	-0.01	-2.5 to 2.5	Pass
				40	3.85	-6.61	-0.01	-2.5 to 2.5	Pass
				50	3.85	-5.71	-0.01	-2.5 to 2.5	Pass

B12_5MHz

Test Result

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



					3.85	-10.90	-0.02	-2.5 to 2.5	Pass
					4.43	-10.33	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.55	-0.01	-2.5 to 2.5	Pass
				0	3.85	-6.24	-0.01	-2.5 to 2.5	Pass
				10	3.85	-5.87	-0.01	-2.5 to 2.5	Pass
				30	3.85	-4.75	-0.01	-2.5 to 2.5	Pass
				40	3.85	-8.57	-0.01	-2.5 to 2.5	Pass
				50	3.85	-7.87	-0.01	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-6.87	-0.01	-2.5 to 2.5	Pass
					3.85	-8.15	-0.01	-2.5 to 2.5	Pass
					4.43	-4.25	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-4.63	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.42	-0.01	-2.5 to 2.5	Pass
				10	3.85	-6.75	-0.01	-2.5 to 2.5	Pass
				30	3.85	-5.44	-0.01	-2.5 to 2.5	Pass
40				3.85	-6.67	-0.01	-2.5 to 2.5	Pass	
50	3.85	-5.31	-0.01	-2.5 to 2.5	Pass				
16QAM	701.5	25	0	20	3.27	-7.02	-0.01	-2.5 to 2.5	Pass
					3.85	-3.18	-0.00	-2.5 to 2.5	Pass
					4.43	-6.01	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.68	-0.01	-2.5 to 2.5	Pass
				0	3.85	-6.71	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.55	-0.01	-2.5 to 2.5	Pass
				30	3.85	-2.89	-0.00	-2.5 to 2.5	Pass



				40	3.85	-3.69	-0.01	-2.5 to 2.5	Pass
				50	3.85	-2.55	-0.00	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-6.92	-0.01	-2.5 to 2.5	Pass
3.85					-5.25	-0.01	-2.5 to 2.5	Pass	
4.43					-7.37	-0.01	-2.5 to 2.5	Pass	
-10				3.85	-8.00	-0.01	-2.5 to 2.5	Pass	
0				3.85	-5.34	-0.01	-2.5 to 2.5	Pass	
10				3.85	-5.76	-0.01	-2.5 to 2.5	Pass	
30				3.85	-5.78	-0.01	-2.5 to 2.5	Pass	
40				3.85	-6.89	-0.01	-2.5 to 2.5	Pass	
50				3.85	-10.37	-0.01	-2.5 to 2.5	Pass	
				713.5	25	0	20	3.27	-7.81
3.85	-7.92	-0.01	-2.5 to 2.5					Pass	
4.43	-3.43	-0.00	-2.5 to 2.5					Pass	
-10	3.85	-3.23	-0.00				-2.5 to 2.5	Pass	
0	3.85	-5.15	-0.01				-2.5 to 2.5	Pass	
10	3.85	-4.19	-0.01				-2.5 to 2.5	Pass	
30	3.85	-7.85	-0.01				-2.5 to 2.5	Pass	
40	3.85	-8.38	-0.01				-2.5 to 2.5	Pass	
50	3.85	-9.93	-0.01				-2.5 to 2.5	Pass	
64QAM	701.5	25	0	20	3.27	-2.53	-0.00	-2.5 to 2.5	Pass
					3.85	-4.86	-0.01	-2.5 to 2.5	Pass
					4.43	-5.05	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-9.03	-0.01	-2.5 to 2.5	Pass



				0	3.85	-4.75	-0.01	-2.5 to 2.5	Pass
				10	3.85	-8.10	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.81	-0.01	-2.5 to 2.5	Pass
				40	3.85	-7.25	-0.01	-2.5 to 2.5	Pass
				50	3.85	-2.98	-0.00	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-5.96	-0.01	-2.5 to 2.5	Pass
					3.85	-4.72	-0.01	-2.5 to 2.5	Pass
					4.43	-3.81	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-4.52	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.19	-0.01	-2.5 to 2.5	Pass
				10	3.85	-6.31	-0.01	-2.5 to 2.5	Pass
				30	3.85	-6.31	-0.01	-2.5 to 2.5	Pass
				40	3.85	-6.14	-0.01	-2.5 to 2.5	Pass
				50	3.85	-9.56	-0.01	-2.5 to 2.5	Pass
				713.5	25	0	20	3.27	-7.28
	3.85	-7.52	-0.01					-2.5 to 2.5	Pass
	4.43	-8.38	-0.01					-2.5 to 2.5	Pass
	-10	3.85	-7.87				-0.01	-2.5 to 2.5	Pass
	0	3.85	-5.31				-0.01	-2.5 to 2.5	Pass
	10	3.85	-5.48				-0.01	-2.5 to 2.5	Pass
	30	3.85	-8.14				-0.01	-2.5 to 2.5	Pass
	40	3.85	-5.16				-0.01	-2.5 to 2.5	Pass
	50	3.85	-3.00				-0.00	-2.5 to 2.5	Pass



B12_10MHz

Test Result

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



					3.85	-6.34	-0.01	-2.5 to 2.5	Pass
					4.43	-4.09	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-5.72	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.09	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.07	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.48	-0.01	-2.5 to 2.5	Pass
				40	3.85	-6.11	-0.01	-2.5 to 2.5	Pass
				50	3.85	-4.74	-0.01	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-5.49	-0.01	-2.5 to 2.5	Pass
					3.85	-6.34	-0.01	-2.5 to 2.5	Pass
					4.43	-7.24	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.72	-0.01	-2.5 to 2.5	Pass
				0	3.85	-3.43	-0.00	-2.5 to 2.5	Pass
				10	3.85	-7.80	-0.01	-2.5 to 2.5	Pass
				30	3.85	-7.14	-0.01	-2.5 to 2.5	Pass
				40	3.85	-7.70	-0.01	-2.5 to 2.5	Pass
	50	3.85	-5.78	-0.01	-2.5 to 2.5	Pass			
	707.5	50	0	20	3.27	-4.48	-0.01	-2.5 to 2.5	Pass
					3.85	-5.71	-0.01	-2.5 to 2.5	Pass
					4.43	-5.26	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.25	-0.01	-2.5 to 2.5	Pass
				0	3.85	-4.96	-0.01	-2.5 to 2.5	Pass
10				3.85	-3.50	-0.01	-2.5 to 2.5	Pass	
30				3.85	-7.28	-0.01	-2.5 to 2.5	Pass	



				40	3.85	-6.35	-0.01	-2.5 to 2.5	Pass				
				50	3.85	-6.04	-0.01	-2.5 to 2.5	Pass				
				20	3.27	-8.03	-0.01	-2.5 to 2.5	Pass				
					3.85	-7.87	-0.01	-2.5 to 2.5	Pass				
					4.43	-4.52	-0.01	-2.5 to 2.5	Pass				
				-10	3.85	-4.51	-0.01	-2.5 to 2.5	Pass				
				0	3.85	-7.11	-0.01	-2.5 to 2.5	Pass				
				10	3.85	-7.35	-0.01	-2.5 to 2.5	Pass				
				30	3.85	-7.20	-0.01	-2.5 to 2.5	Pass				
				40	3.85	-7.12	-0.01	-2.5 to 2.5	Pass				
				50	3.85	-7.65	-0.01	-2.5 to 2.5	Pass				
				64QAM	711	50	0	20	3.27	-6.61	-0.01	-2.5 to 2.5	Pass
									3.85	-4.74	-0.01	-2.5 to 2.5	Pass
									4.43	-6.55	-0.01	-2.5 to 2.5	Pass
-10	3.85	-2.92	-0.00					-2.5 to 2.5	Pass				
0	3.85	-5.81	-0.01					-2.5 to 2.5	Pass				
10	3.85	-6.18	-0.01					-2.5 to 2.5	Pass				
30	3.85	-5.24	-0.01					-2.5 to 2.5	Pass				
40	3.85	-3.69	-0.01					-2.5 to 2.5	Pass				
50	3.85	-4.54	-0.01					-2.5 to 2.5	Pass				
704	50	0	20					3.27	-5.84	-0.01	-2.5 to 2.5	Pass	
								3.85	-3.28	-0.00	-2.5 to 2.5	Pass	
								4.43	-7.22	-0.01	-2.5 to 2.5	Pass	
			-10					3.85	-6.25	-0.01	-2.5 to 2.5	Pass	
			707.5					50	0	20	3.27	-5.84	-0.01
3.85	-3.28	-0.00		-2.5 to 2.5	Pass								
4.43	-7.22	-0.01		-2.5 to 2.5	Pass								
-10	3.85	-6.25		-0.01	-2.5 to 2.5	Pass							



				0	3.85	-5.24	-0.01	-2.5 to 2.5	Pass
				10	3.85	-7.04	-0.01	-2.5 to 2.5	Pass
				30	3.85	-8.50	-0.01	-2.5 to 2.5	Pass
				40	3.85	-7.48	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.74	-0.01	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-4.83	-0.01	-2.5 to 2.5	Pass
3.85					-4.69	-0.01	-2.5 to 2.5	Pass	
4.43					-3.53	-0.01	-2.5 to 2.5	Pass	
-10				3.85	-7.80	-0.01	-2.5 to 2.5	Pass	
0				3.85	-7.01	-0.01	-2.5 to 2.5	Pass	
10				3.85	-4.76	-0.01	-2.5 to 2.5	Pass	
30				3.85	-5.89	-0.01	-2.5 to 2.5	Pass	
40				3.85	-8.61	-0.01	-2.5 to 2.5	Pass	
50				3.85	-7.18	-0.01	-2.5 to 2.5	Pass	



99% & 26dB Bandwidth

99%_OBW

Test Result

Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.111	Pass
		707.5	6	0	1.118	Pass
		715.3	6	0	1.120	Pass
	16QAM	699.7	6	0	1.104	Pass
		707.5	6	0	1.113	Pass
		715.3	6	0	1.119	Pass
	64QAM	699.7	6	0	1.115	Pass
		707.5	6	0	1.109	Pass
		715.3	6	0	1.112	Pass
3	QPSK	700.5	15	0	2.722	Pass
		707.5	15	0	2.728	Pass
		714.5	15	0	2.736	Pass
	16QAM	700.5	15	0	2.710	Pass
		707.5	15	0	2.720	Pass
		714.5	15	0	2.728	Pass
	64QAM	700.5	15	0	2.732	Pass
		707.5	15	0	2.722	Pass
		714.5	15	0	2.730	Pass

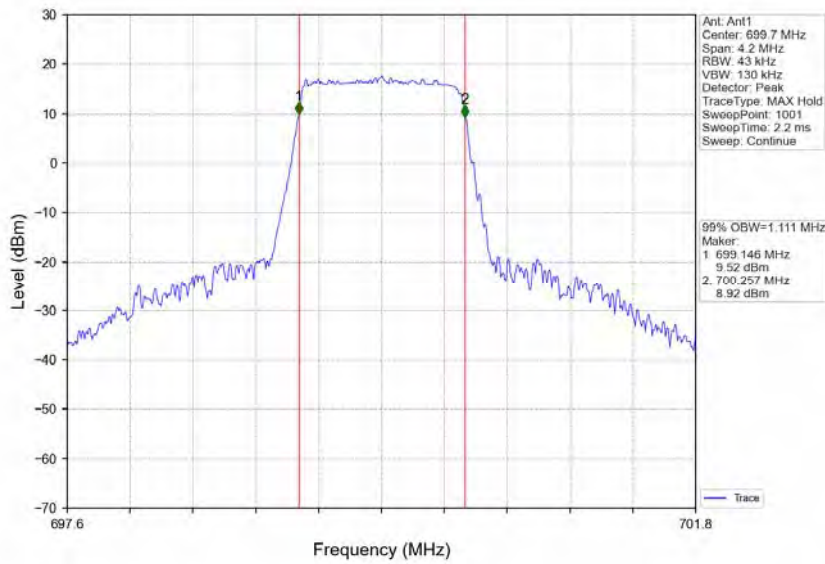


5	QPSK	701.5	25	0	4.594	Pass
		707.5	25	0	4.568	Pass
		713.5	25	0	4.578	Pass
	16QAM	701.5	25	0	4.577	Pass
		707.5	25	0	4.559	Pass
		713.5	25	0	4.597	Pass
	64QAM	701.5	25	0	4.570	Pass
		707.5	25	0	4.585	Pass
		713.5	25	0	4.583	Pass
10	QPSK	704	50	0	9.084	Pass
		707.5	50	0	9.050	Pass
		711	50	0	9.086	Pass
	16QAM	704	50	0	9.117	Pass
		707.5	50	0	9.057	Pass
		711	50	0	9.109	Pass
	64QAM	704	50	0	9.101	Pass
		707.5	50	0	9.031	Pass
		711	50	0	9.083	Pass

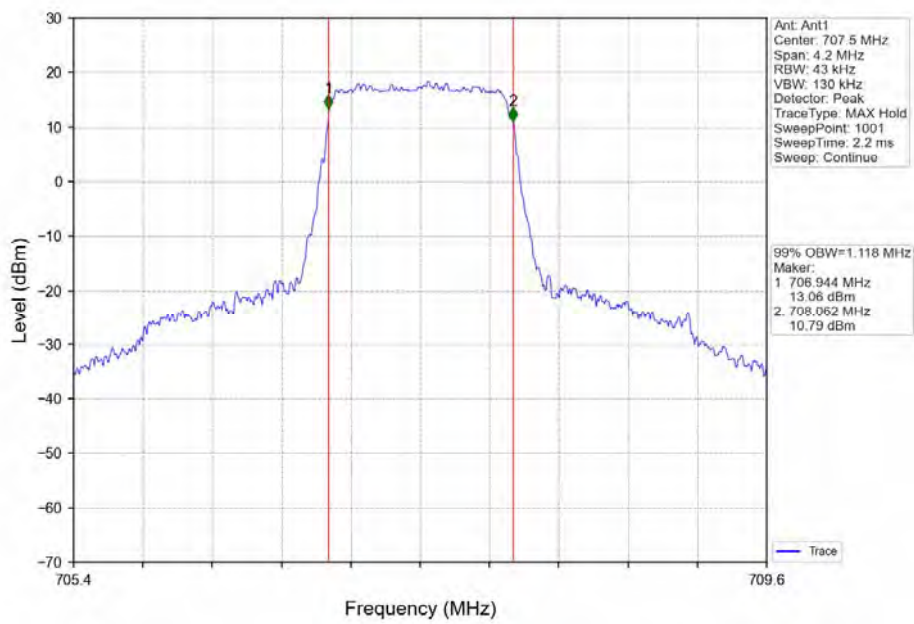


Test Graph

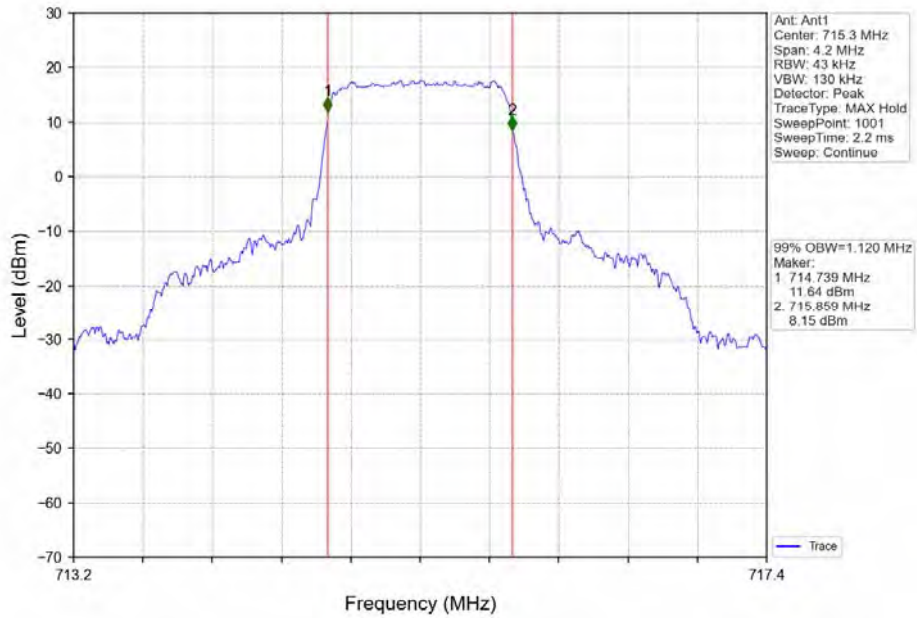
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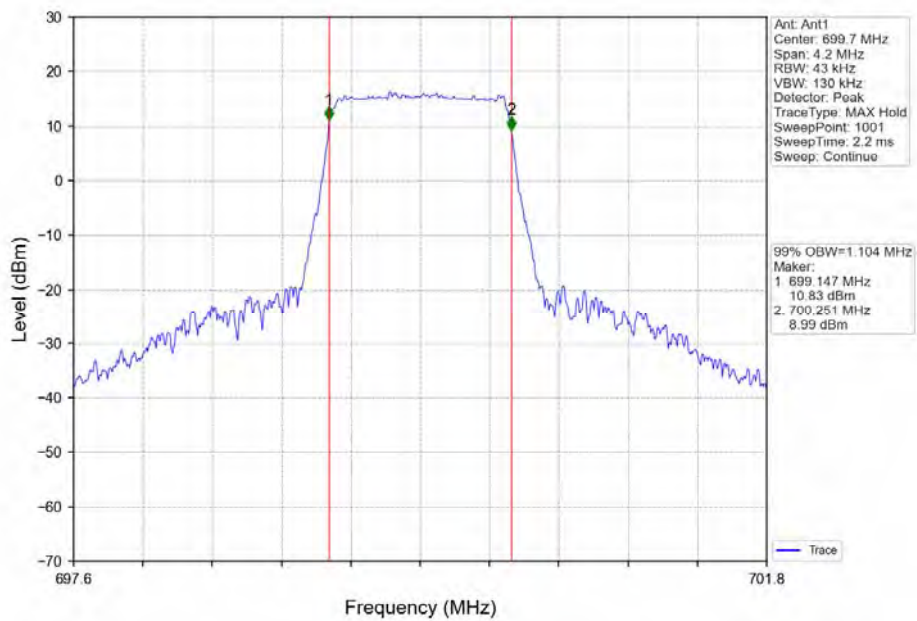
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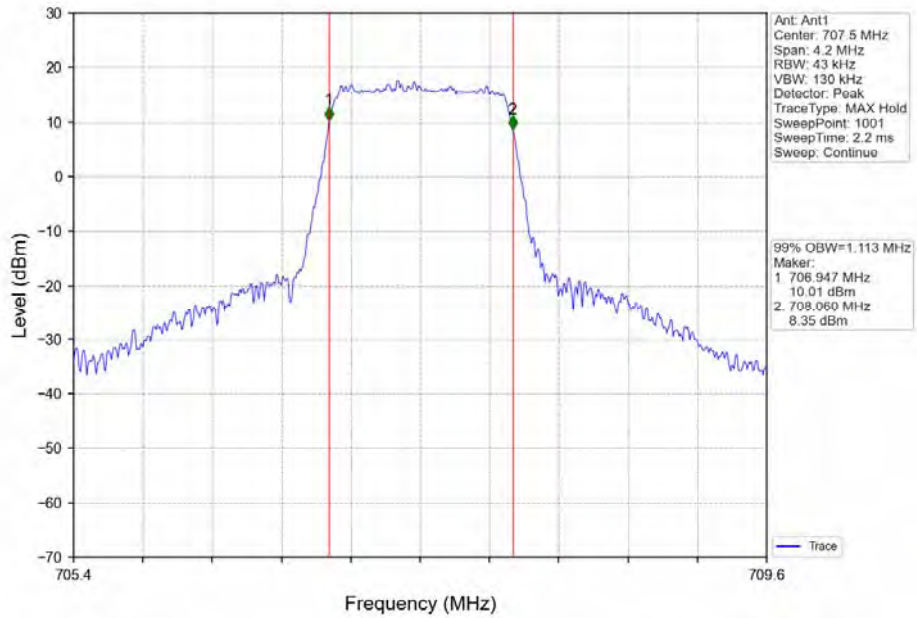
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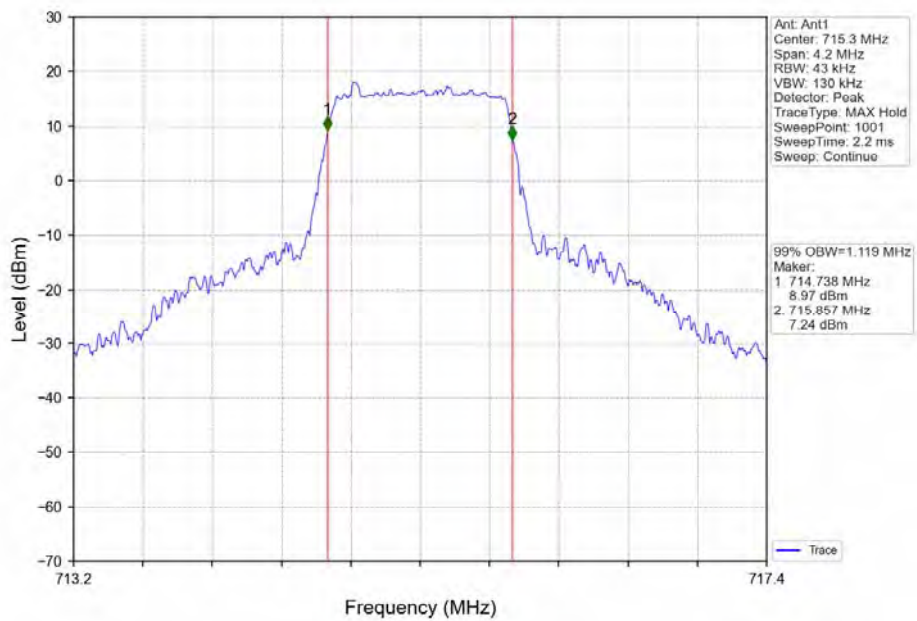
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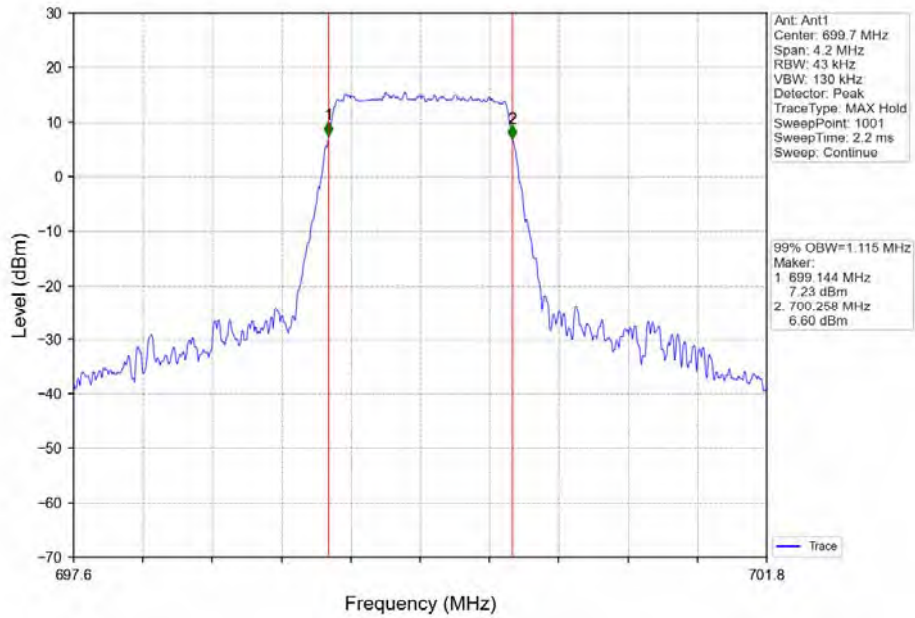
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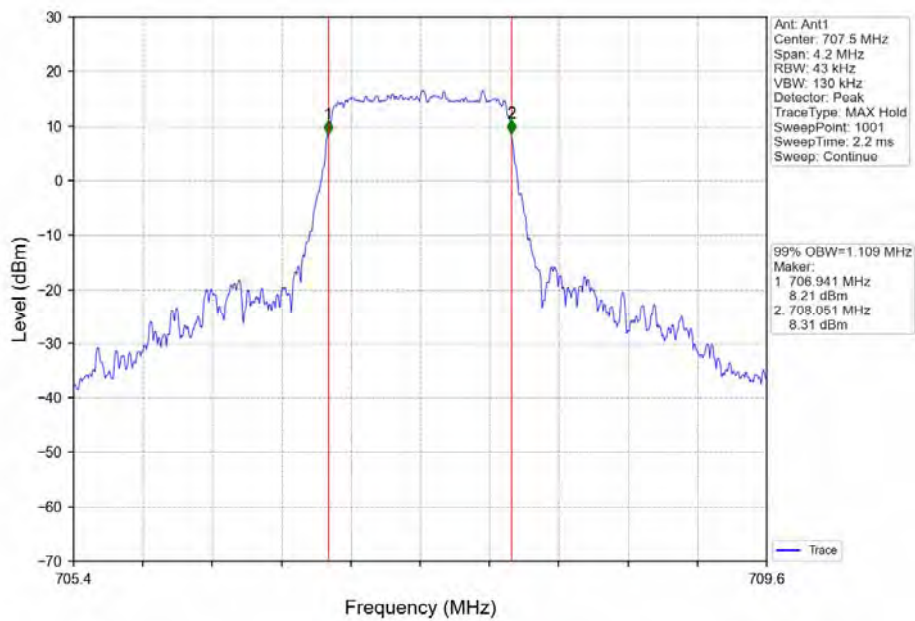
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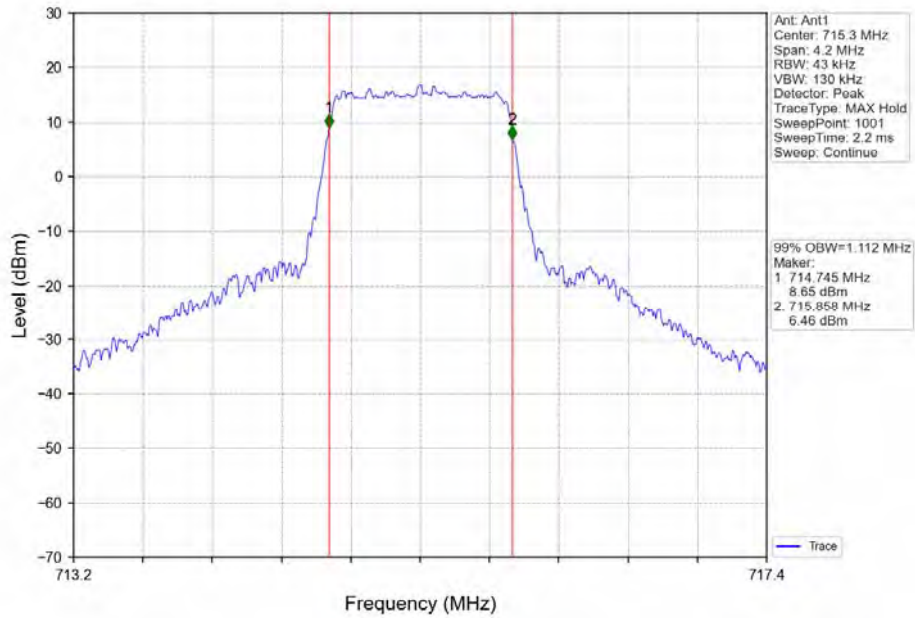
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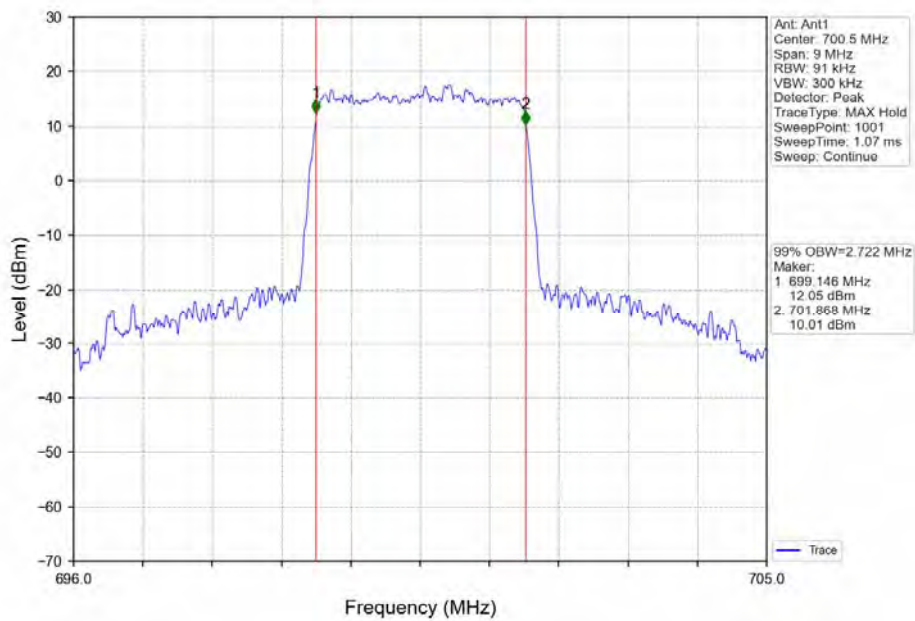
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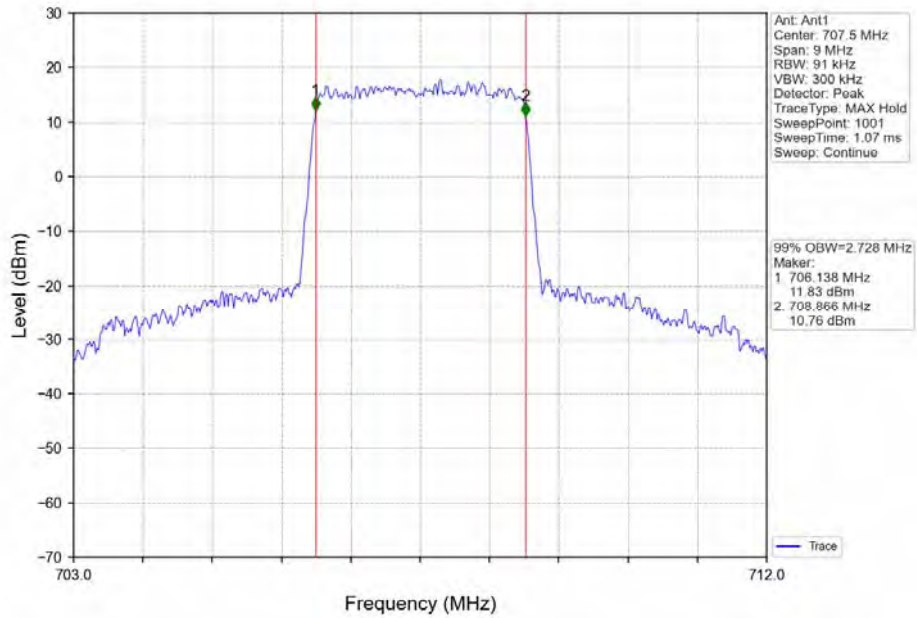
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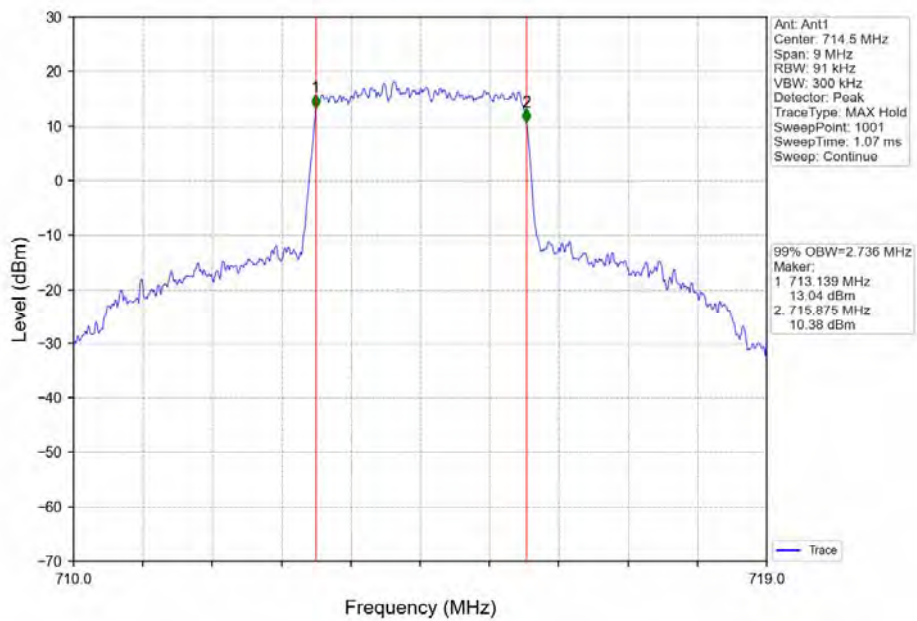
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Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV

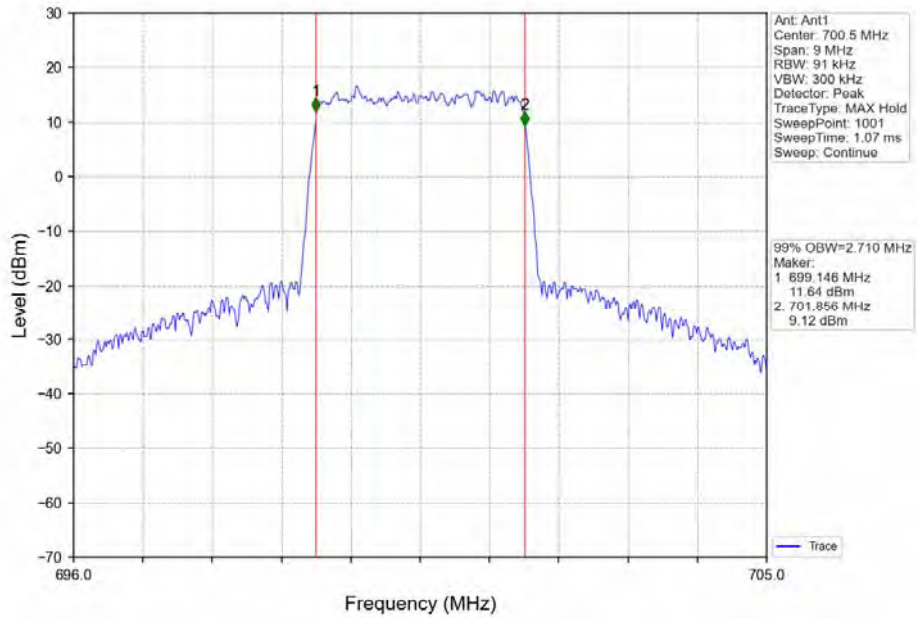


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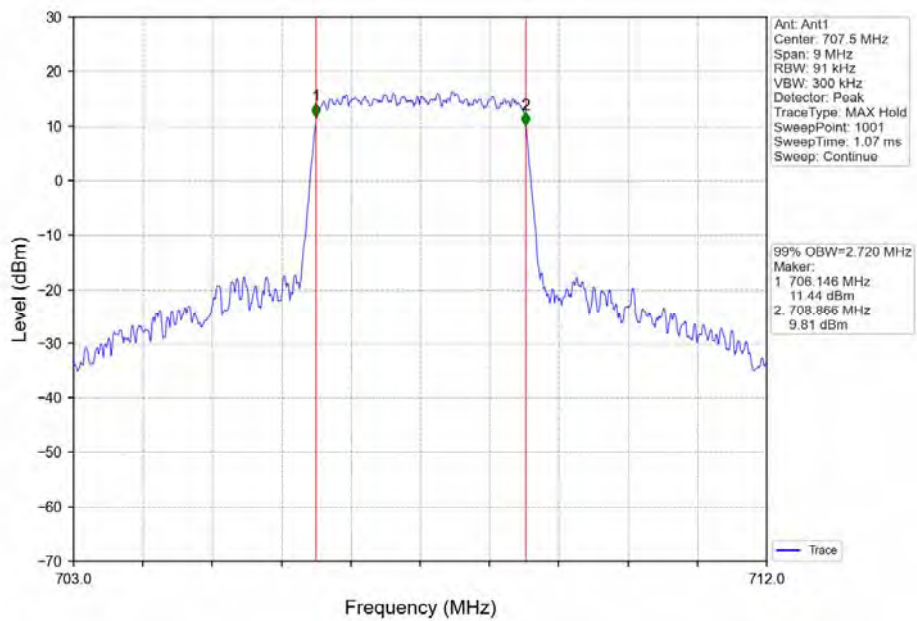




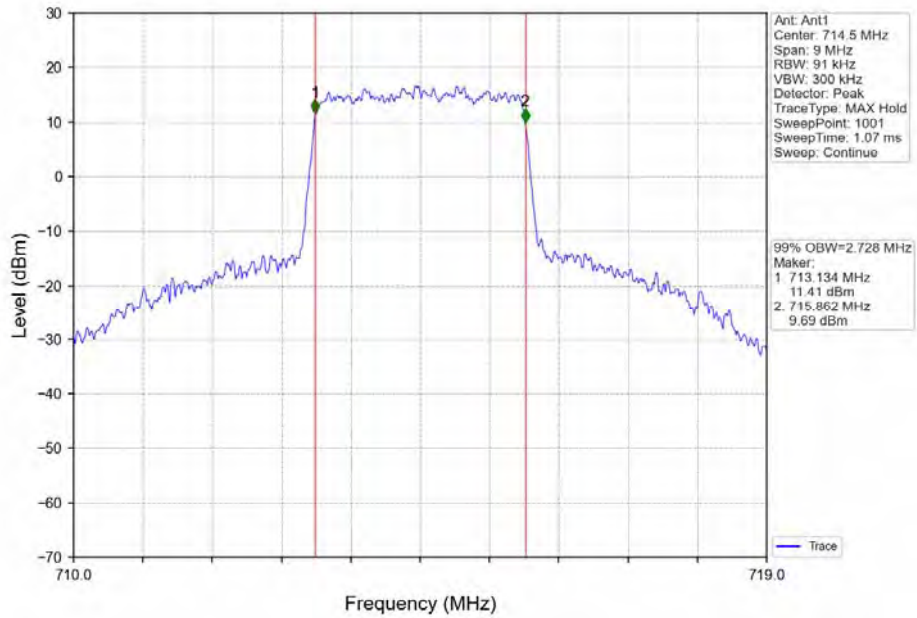
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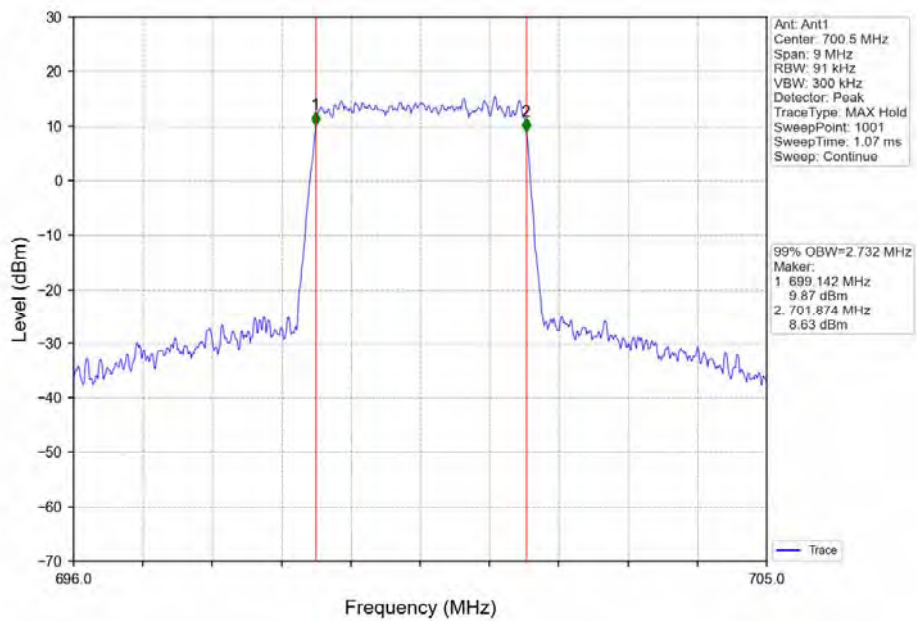
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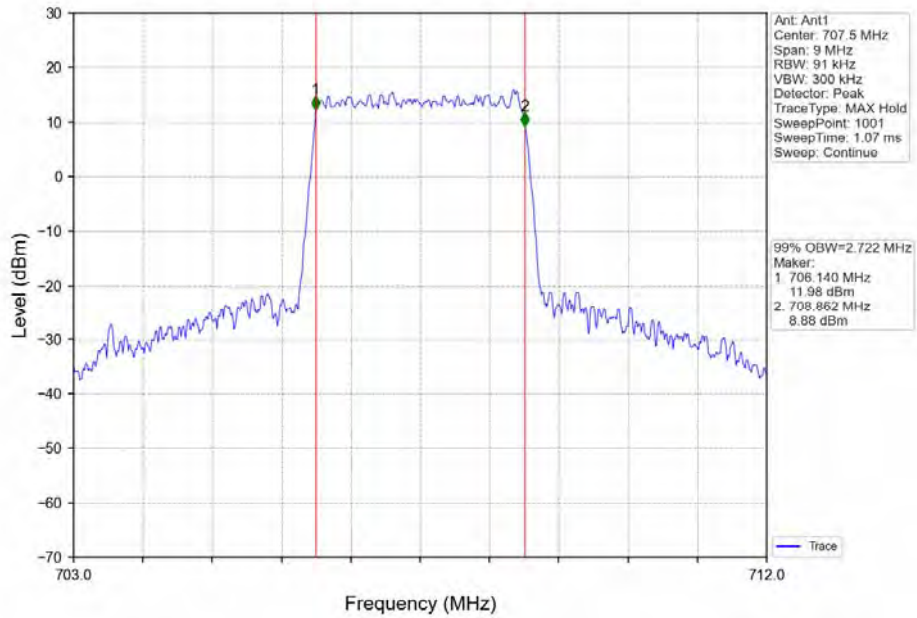
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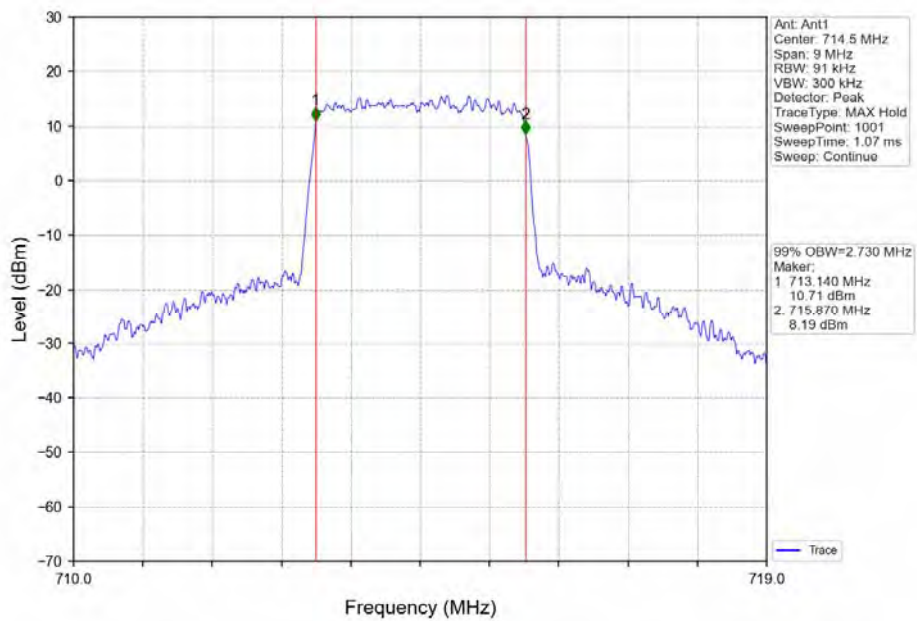
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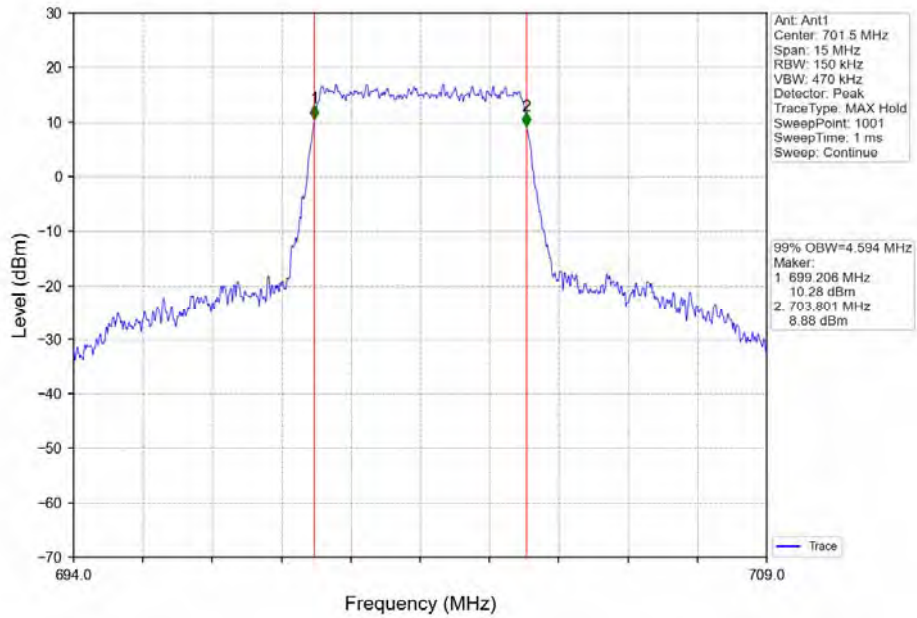
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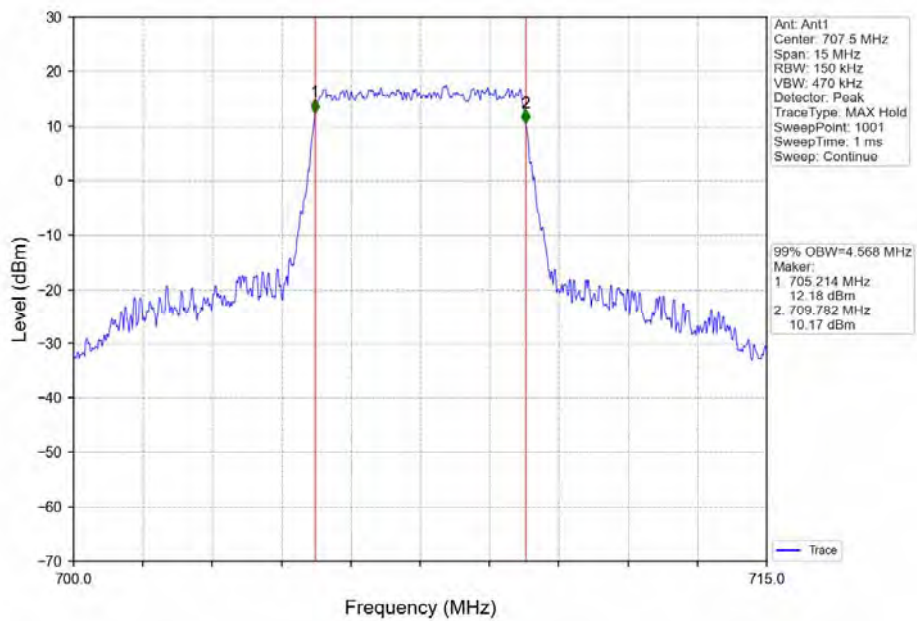
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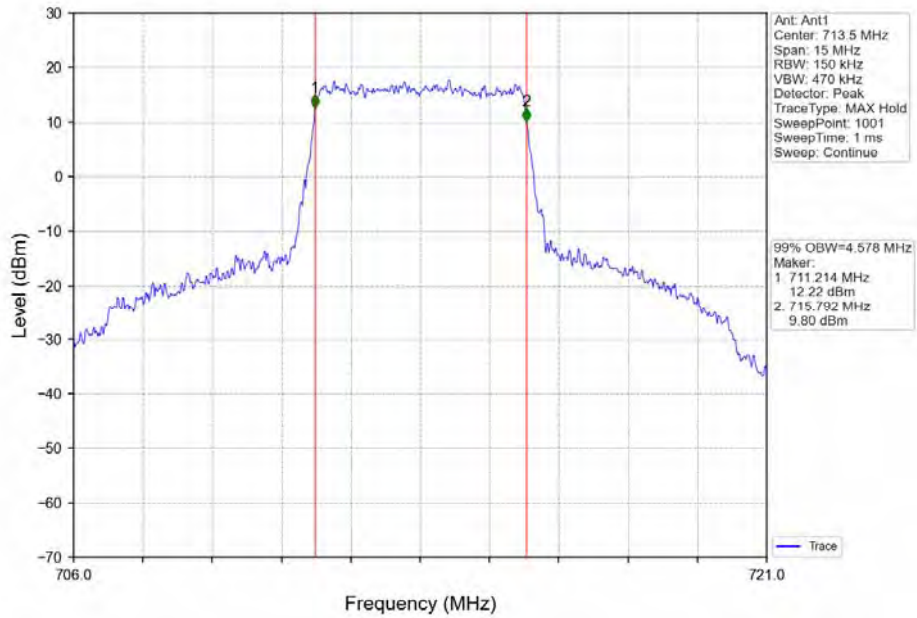
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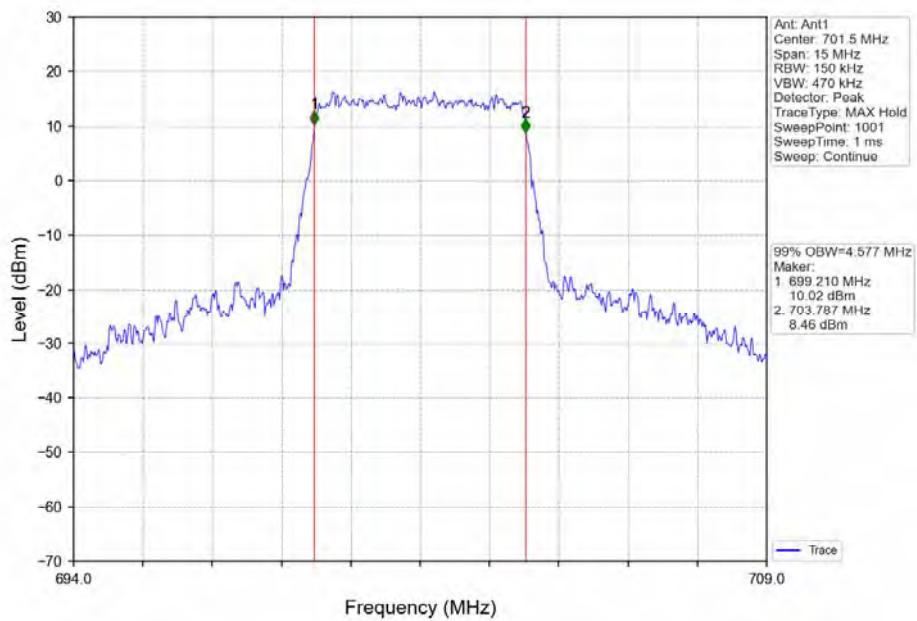
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

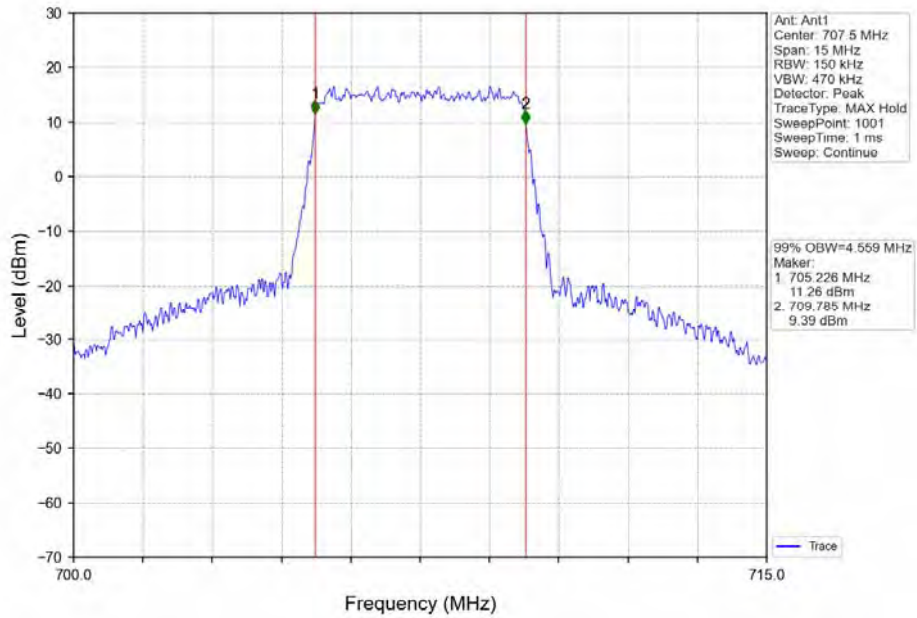


Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV





Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

