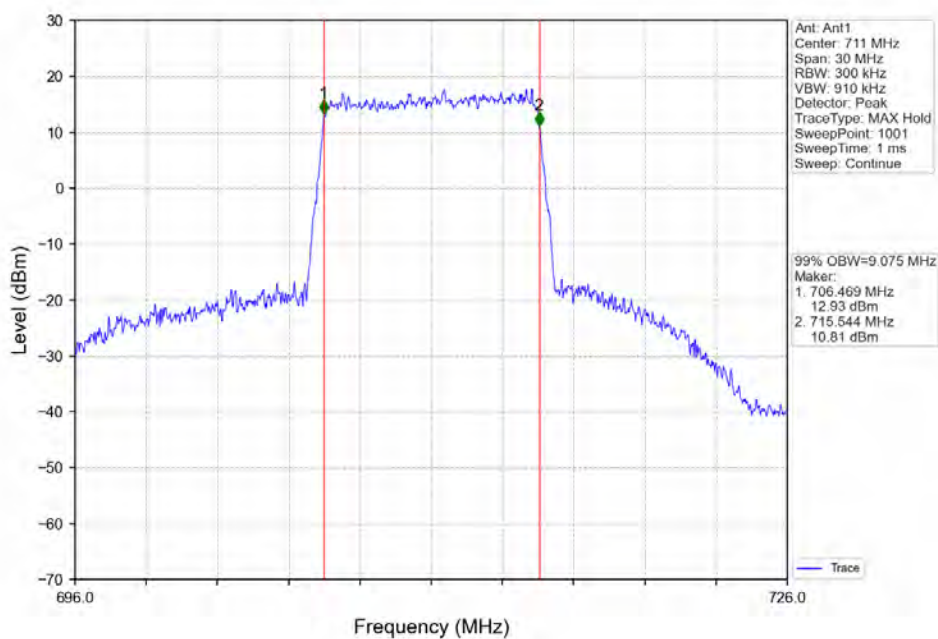
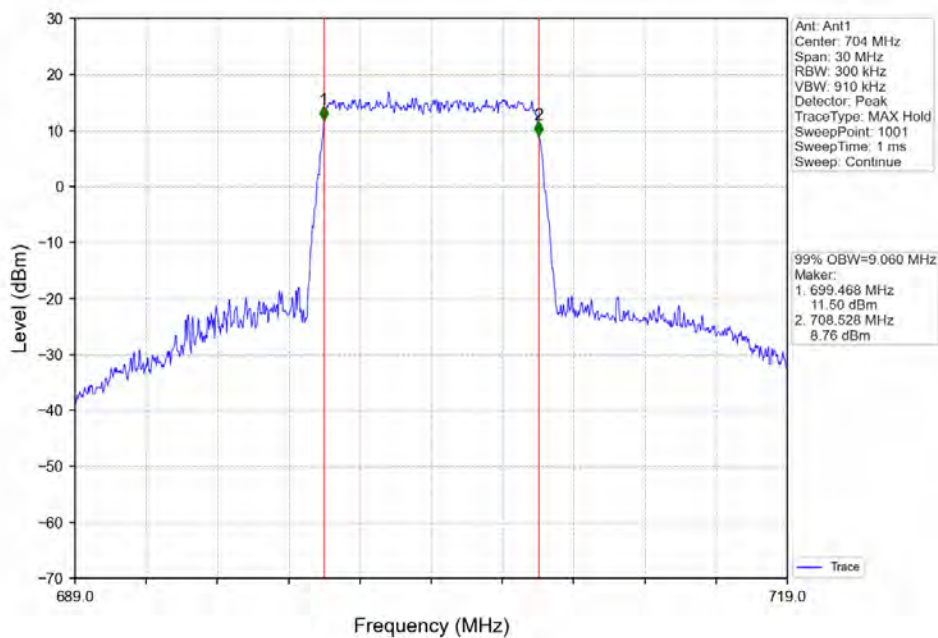


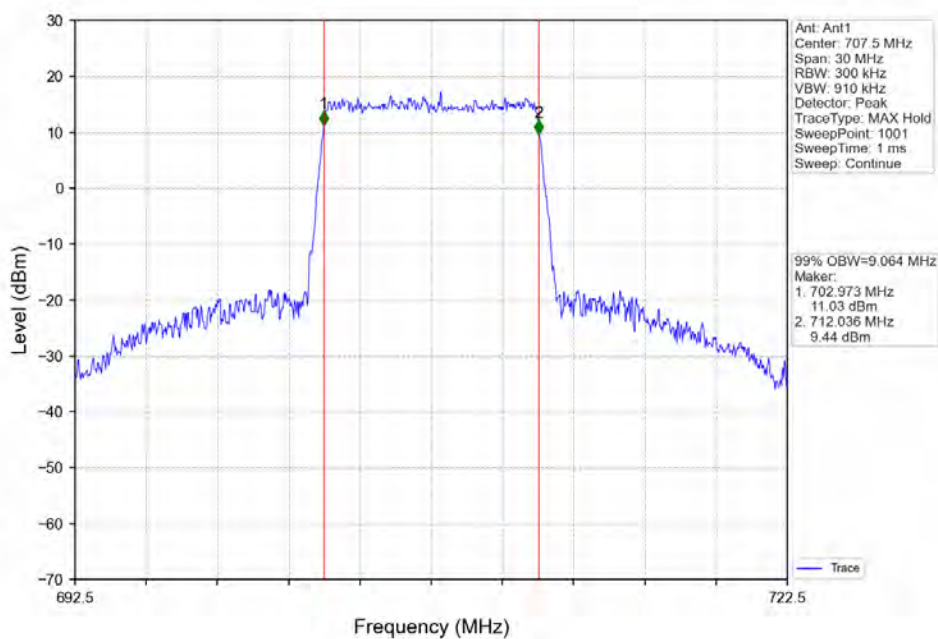
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



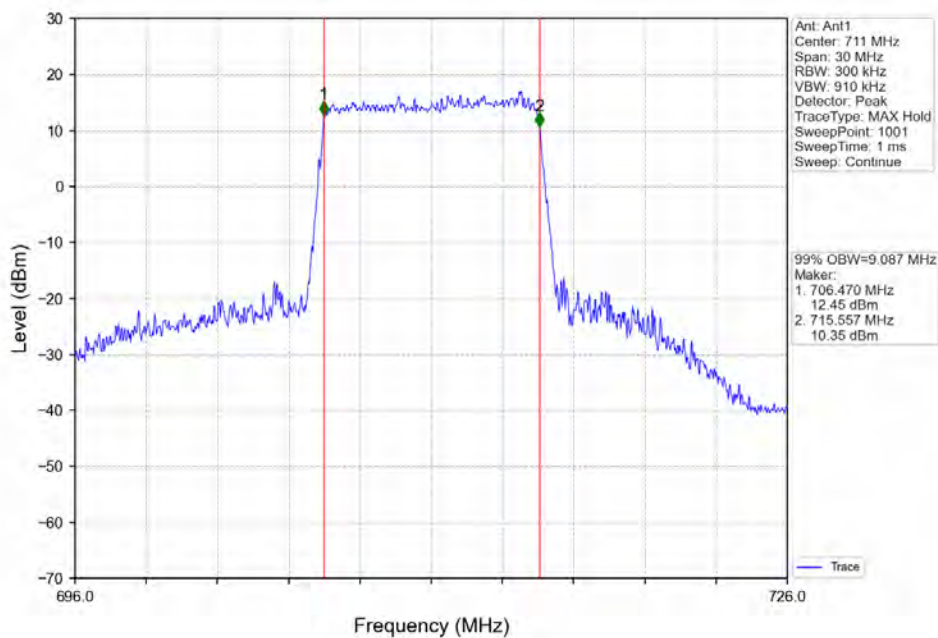
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



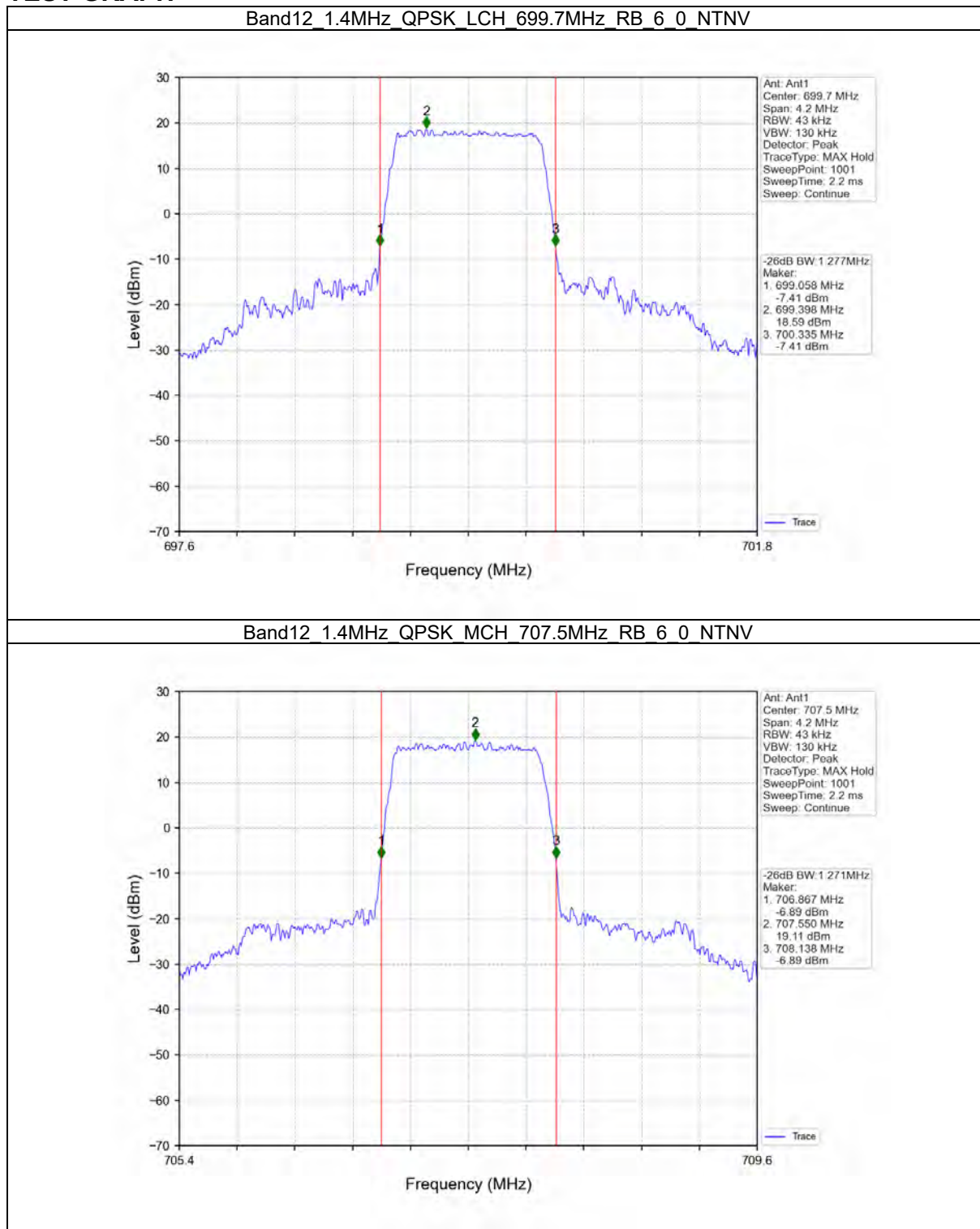
Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



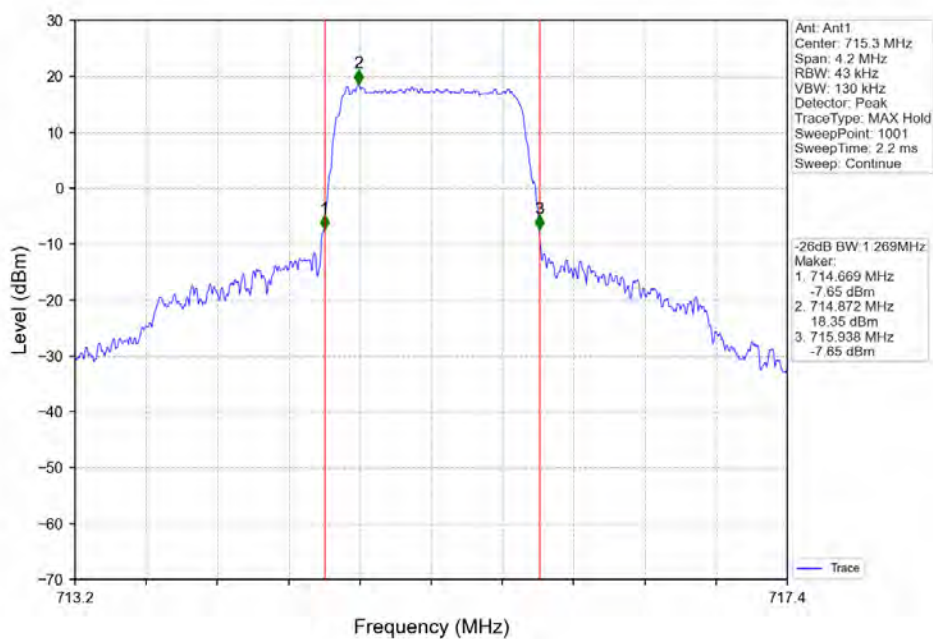
26DB OBW TEST RESULT

Band: 12 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	699.7	6	0	1.277	Pass
		707.5	6	0	1.271	Pass
		715.3	6	0	1.269	Pass
	16QAM	699.7	6	0	1.267	Pass
		707.5	6	0	1.277	Pass
		715.3	6	0	1.270	Pass
	64QAM	699.7	6	0	1.275	Pass
		707.5	6	0	1.265	Pass
		715.3	6	0	1.269	Pass
3	QPSK	700.5	15	0	3.111	Pass
		707.5	15	0	3.100	Pass
		714.5	15	0	3.083	Pass
	16QAM	700.5	15	0	3.102	Pass
		707.5	15	0	3.087	Pass
		714.5	15	0	3.092	Pass
	64QAM	700.5	15	0	3.112	Pass
		707.5	15	0	3.109	Pass
		714.5	15	0	3.103	Pass
5	QPSK	701.5	25	0	5.031	Pass
		707.5	25	0	5.074	Pass
		713.5	25	0	5.048	Pass
	16QAM	701.5	25	0	5.056	Pass
		707.5	25	0	5.045	Pass
		713.5	25	0	5.077	Pass
	64QAM	701.5	25	0	5.045	Pass
		707.5	25	0	5.030	Pass
		713.5	25	0	5.078	Pass
10	QPSK	704	50	0	9.998	Pass
		707.5	50	0	10.021	Pass
		711	50	0	10.024	Pass
	16QAM	704	50	0	10.054	Pass
		707.5	50	0	10.122	Pass
		711	50	0	10.063	Pass
	64QAM	704	50	0	10.039	Pass
		707.5	50	0	9.982	Pass
		711	50	0	9.995	Pass

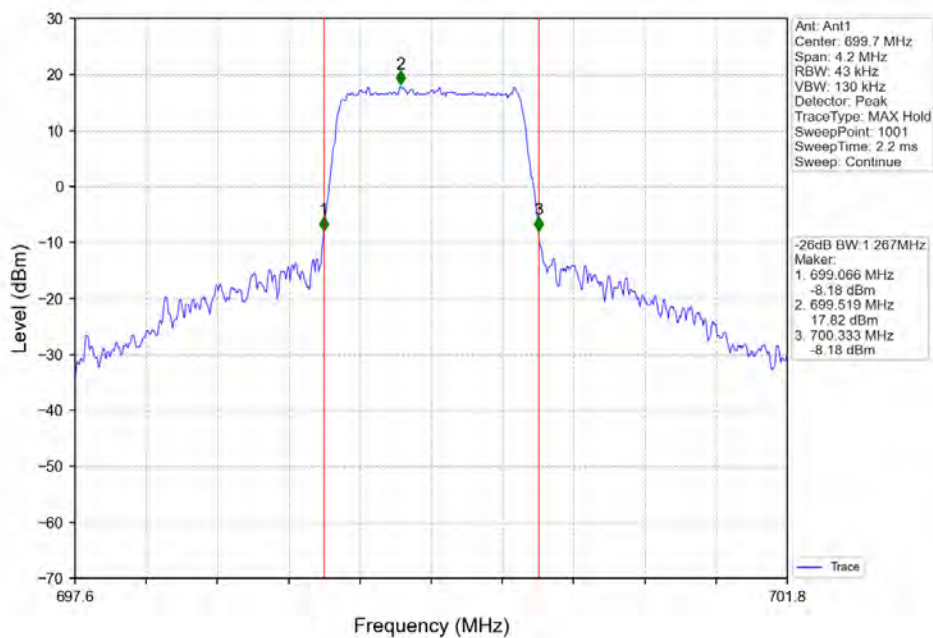
TEST GRAPH



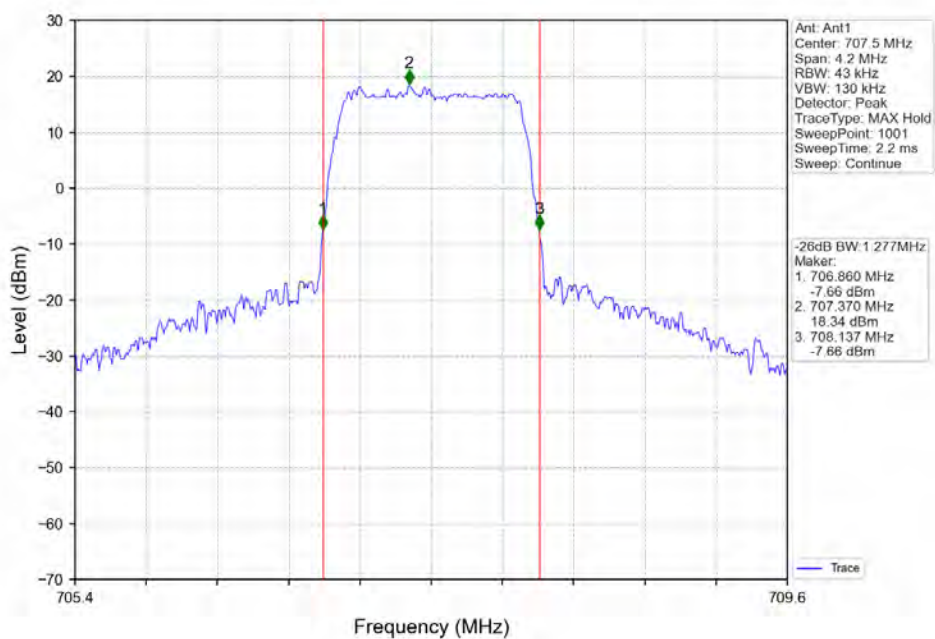
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTN



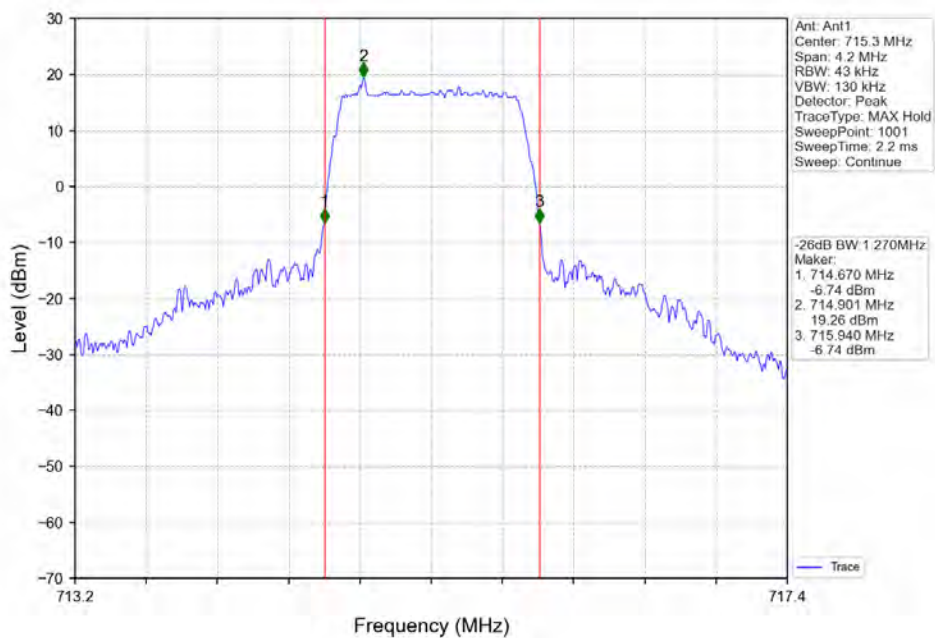
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTN



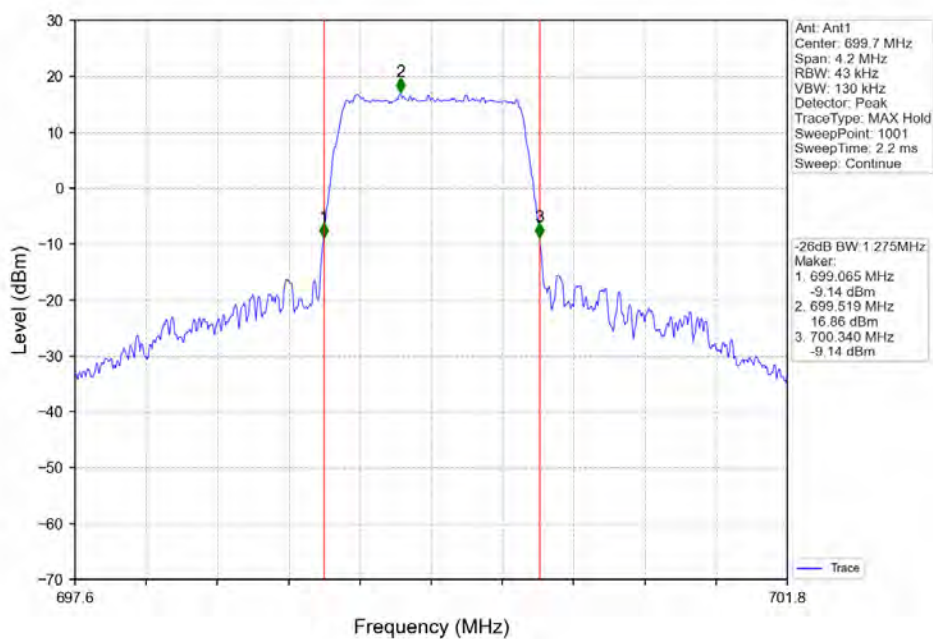
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6.0 NTV



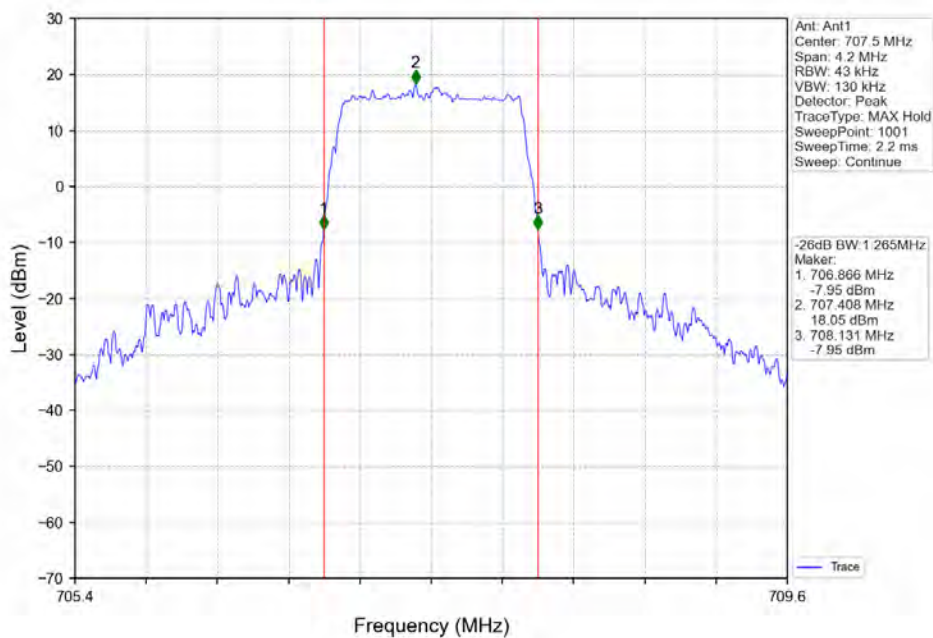
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6.0 NTV



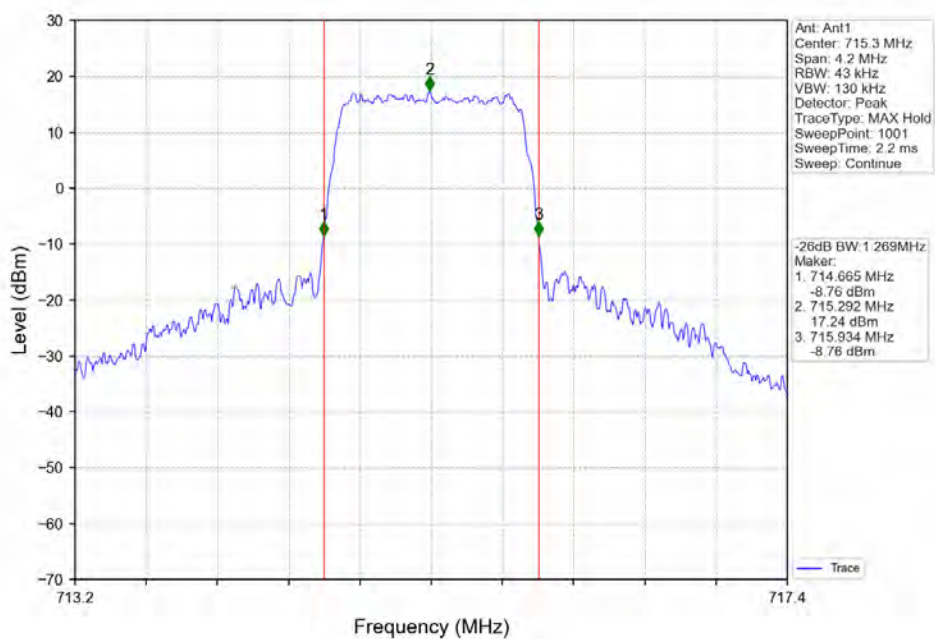
Band12 1.4MHz 64QAM LCH 699.7MHz RB 6 0 NTVN



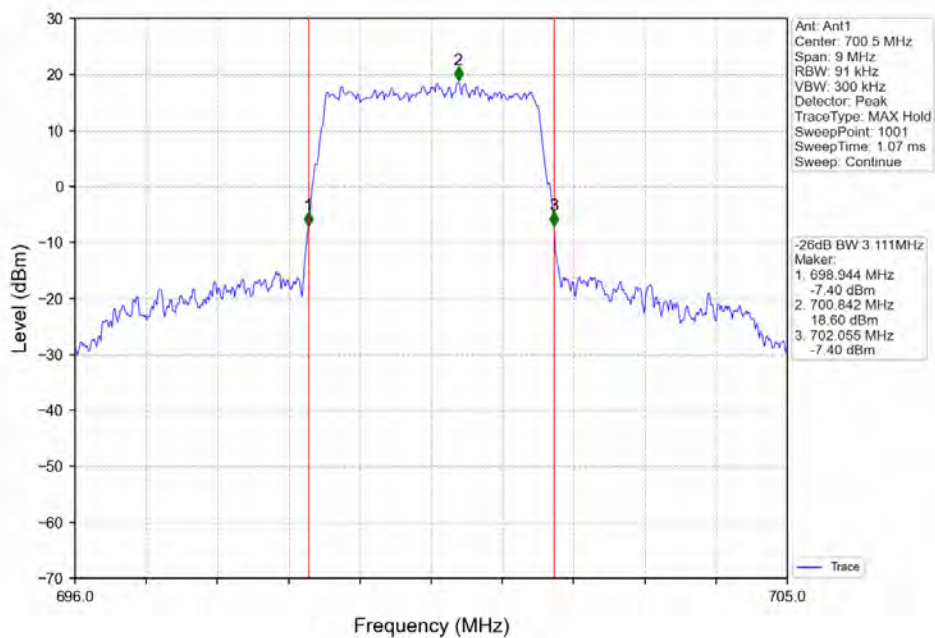
Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTVN

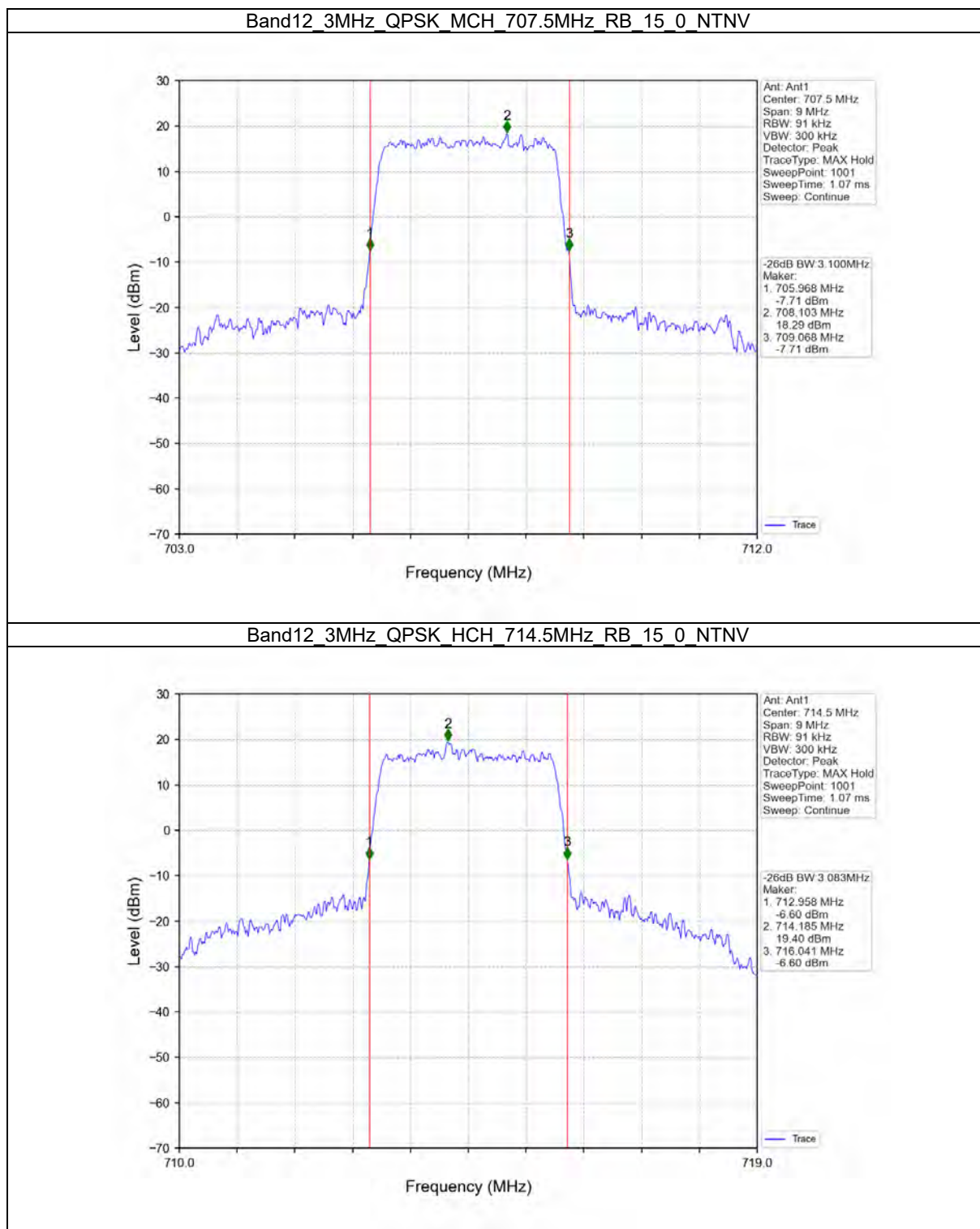


Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV

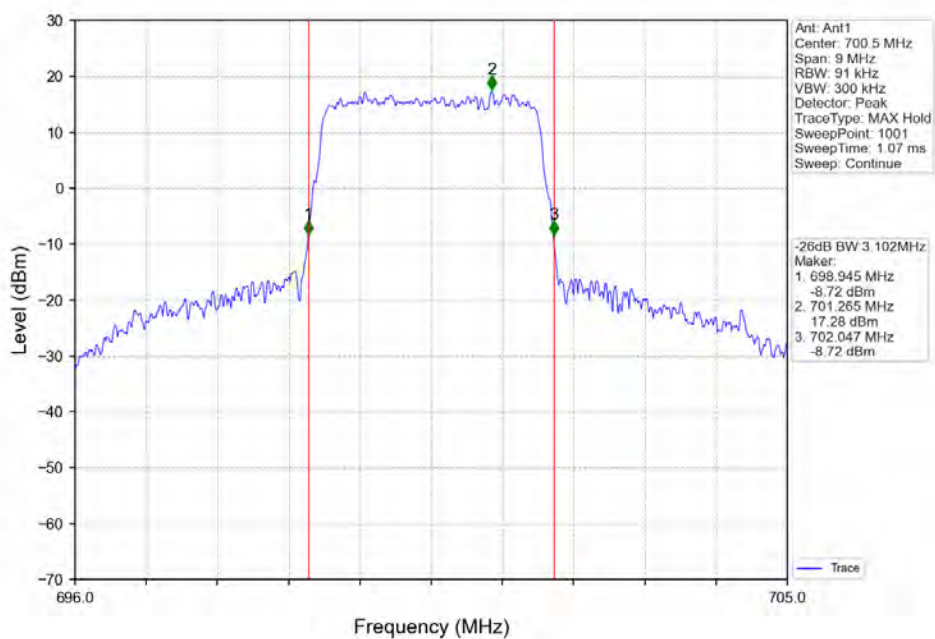


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

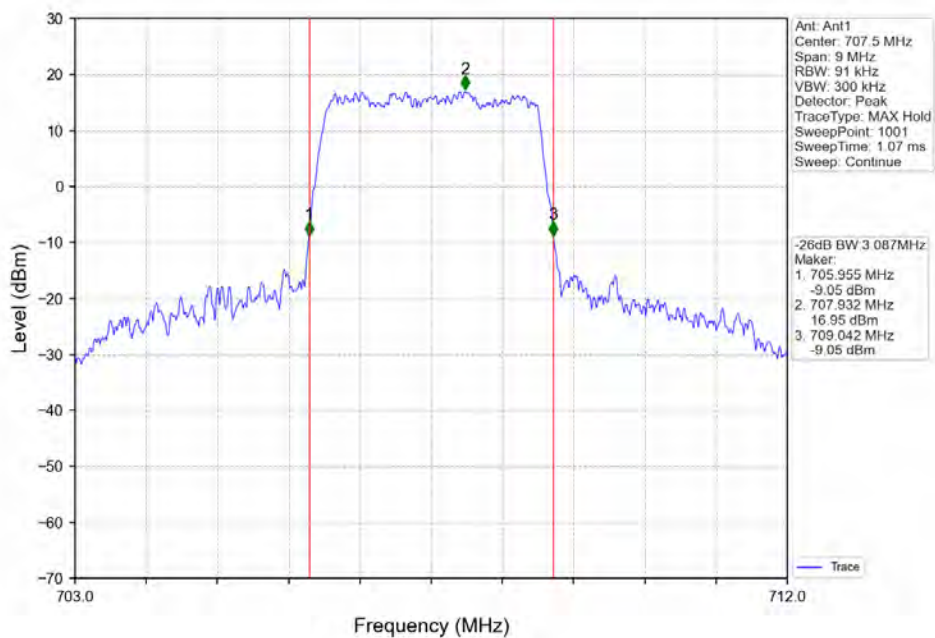




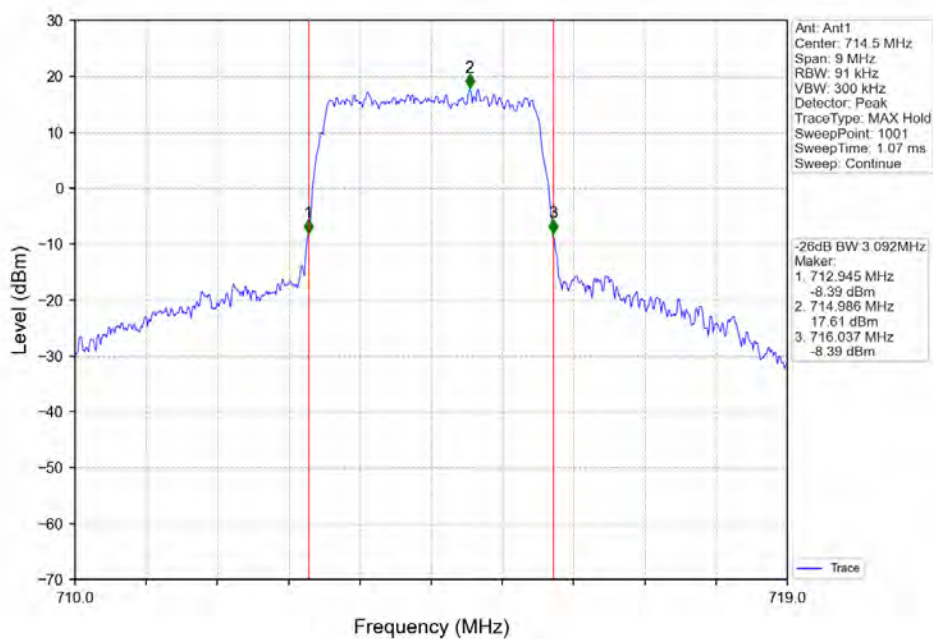
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



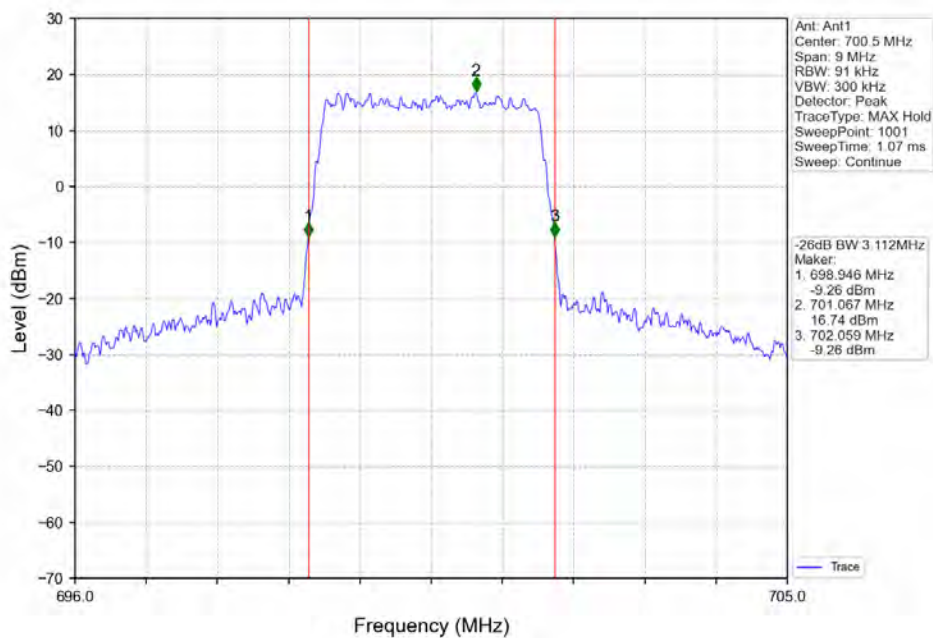
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



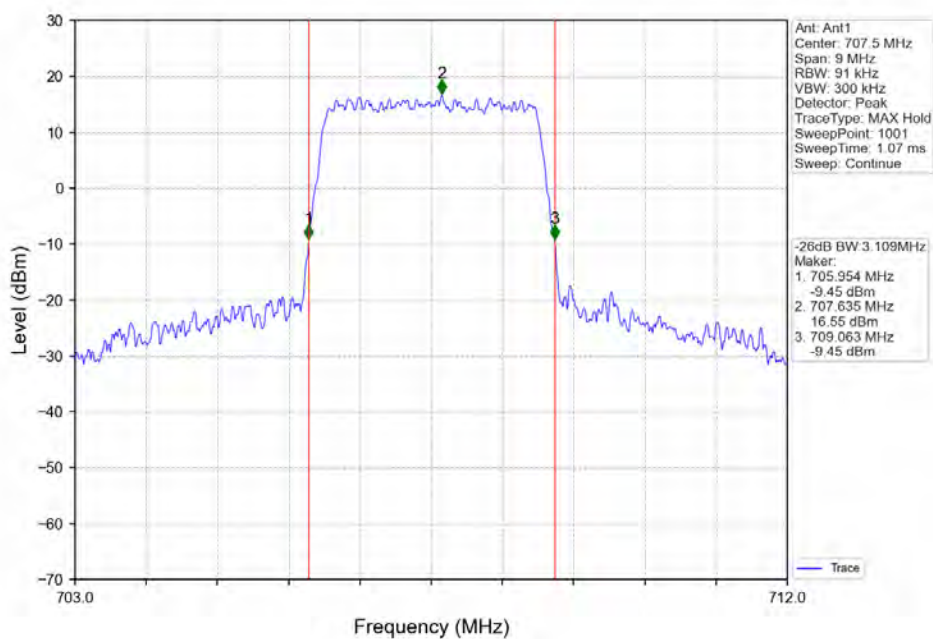
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



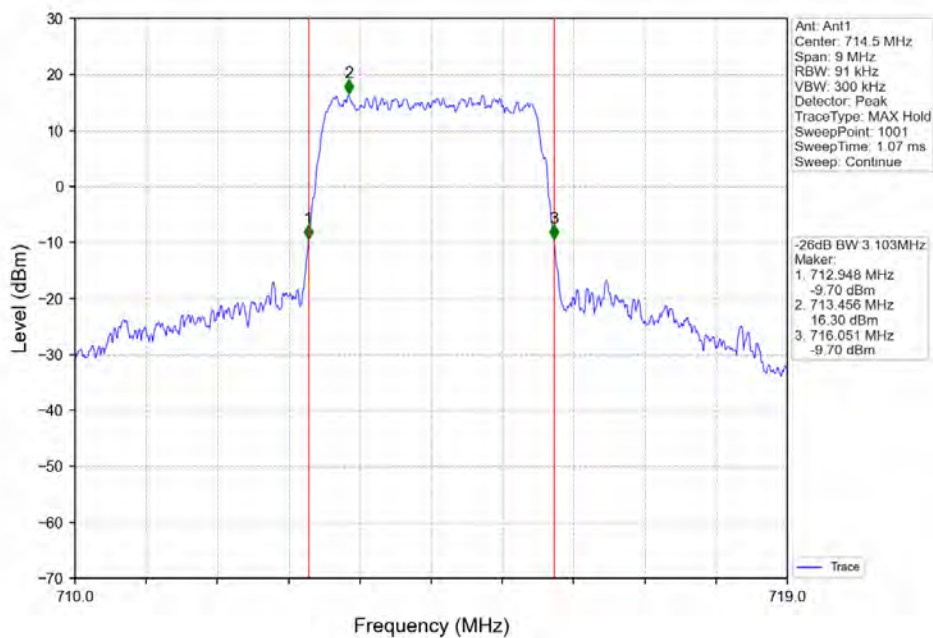
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV

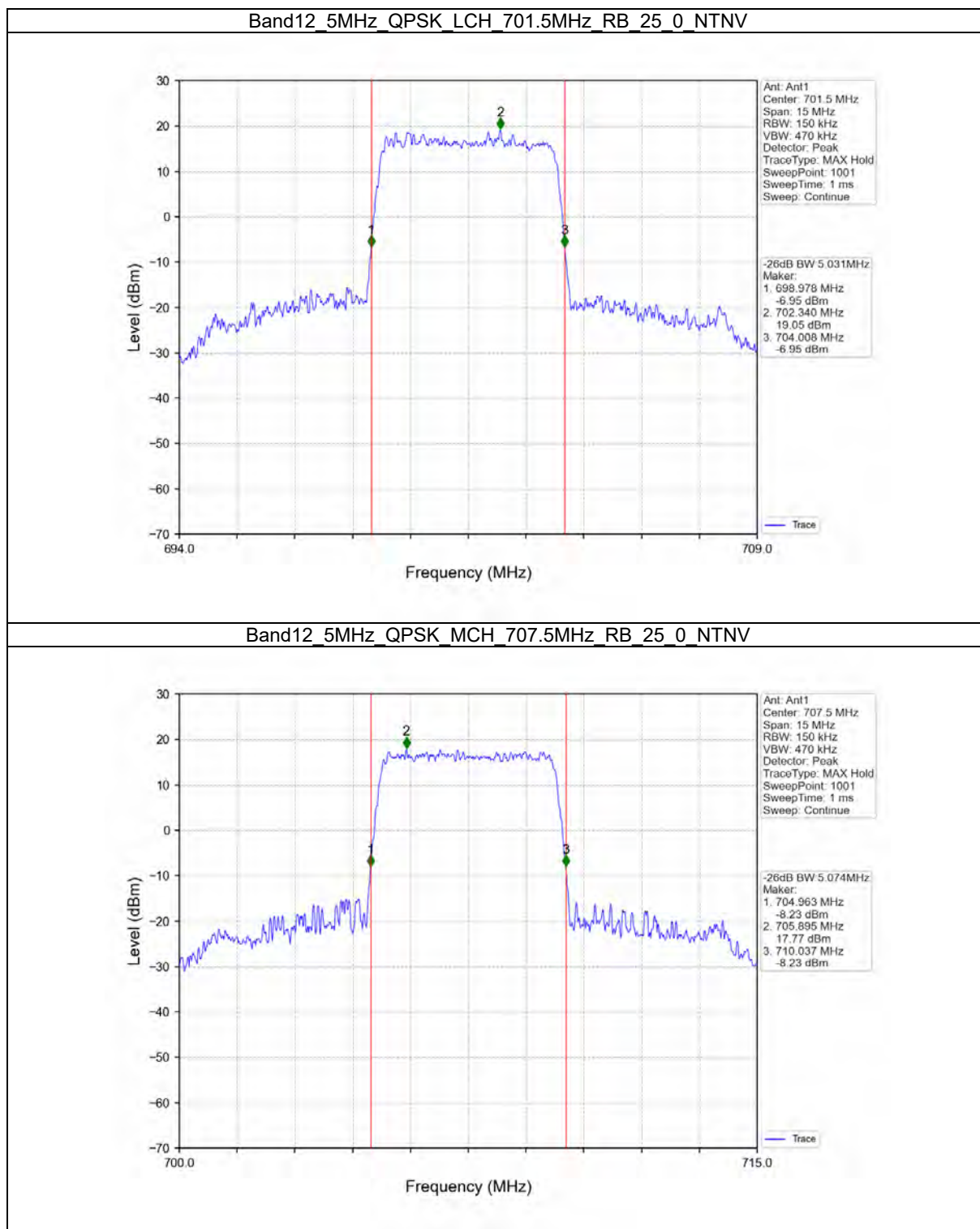


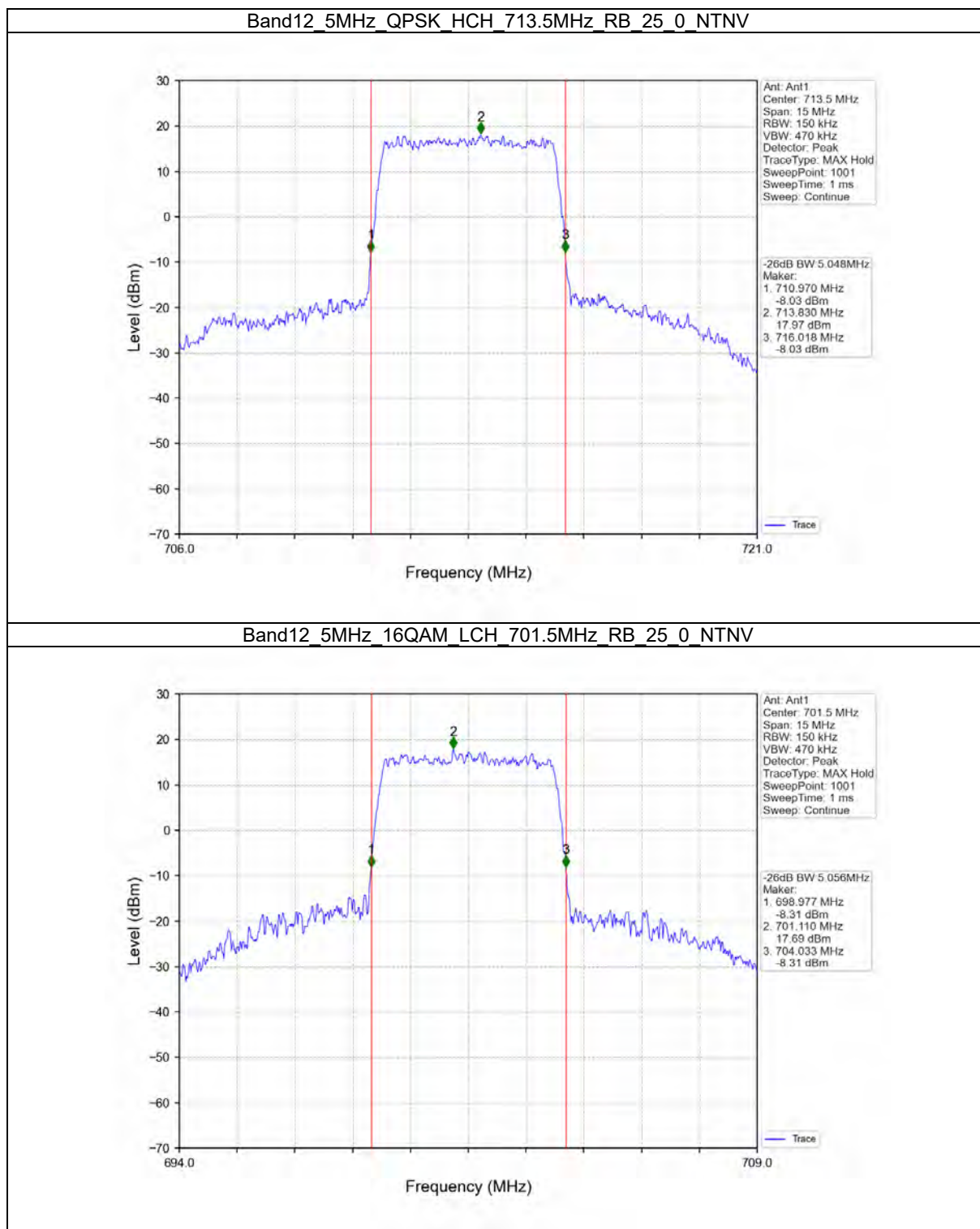
Band12 3MHz 64QAM MCH 707.5MHz RB 15 0 NTNV



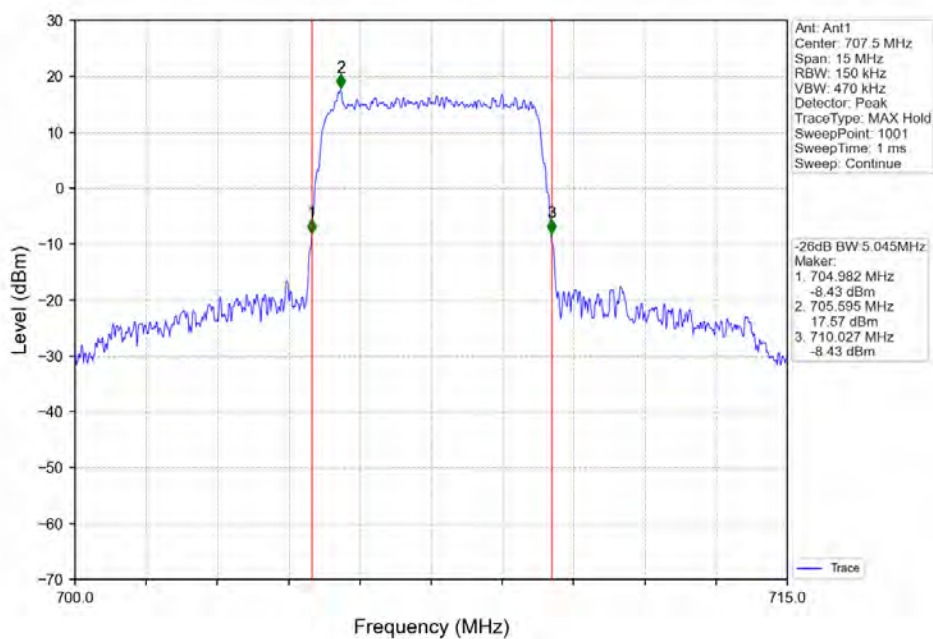
Band12 3MHz 64QAM HCH 714.5MHz RB 15 0 NTNV



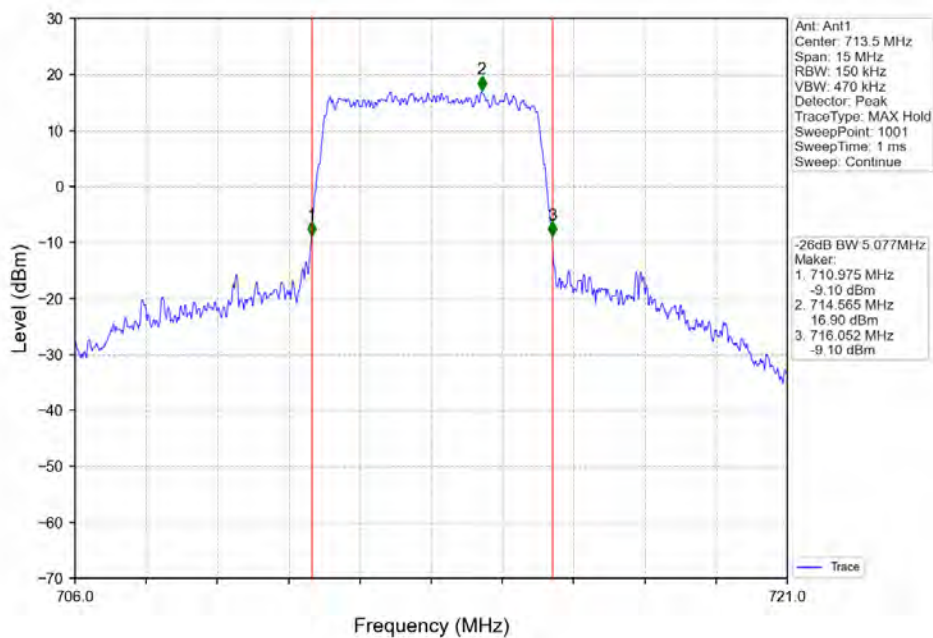




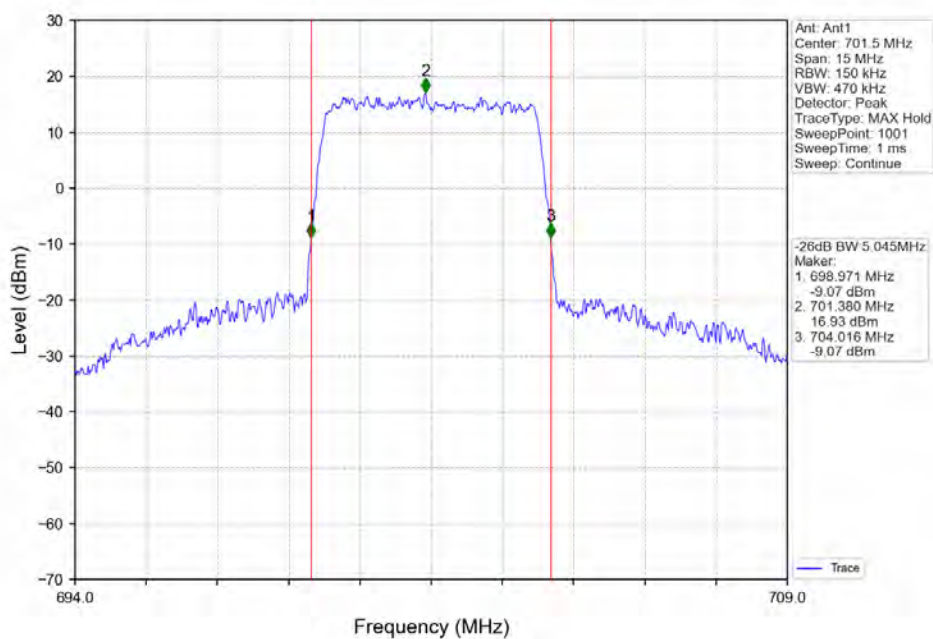
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



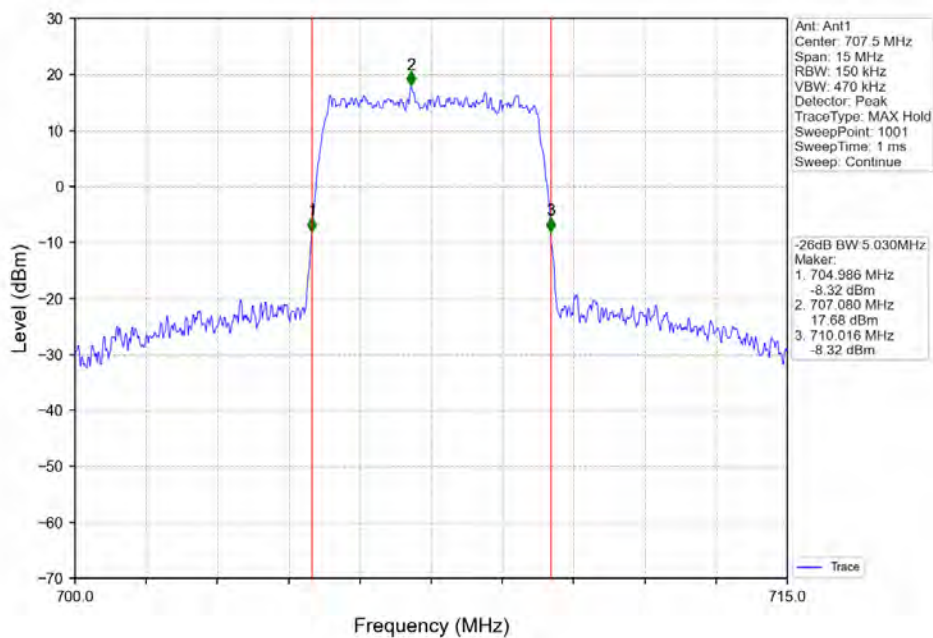
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



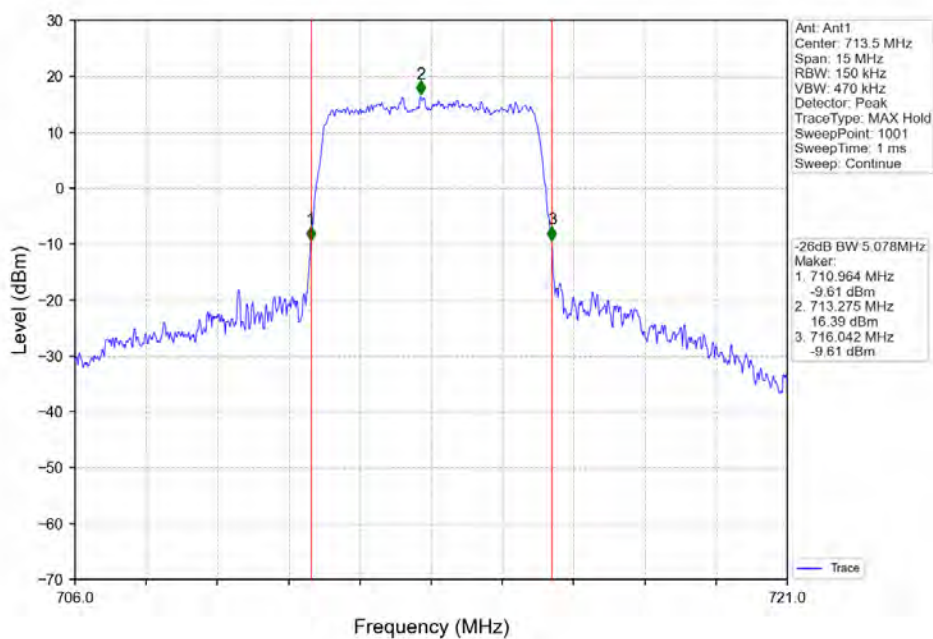
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



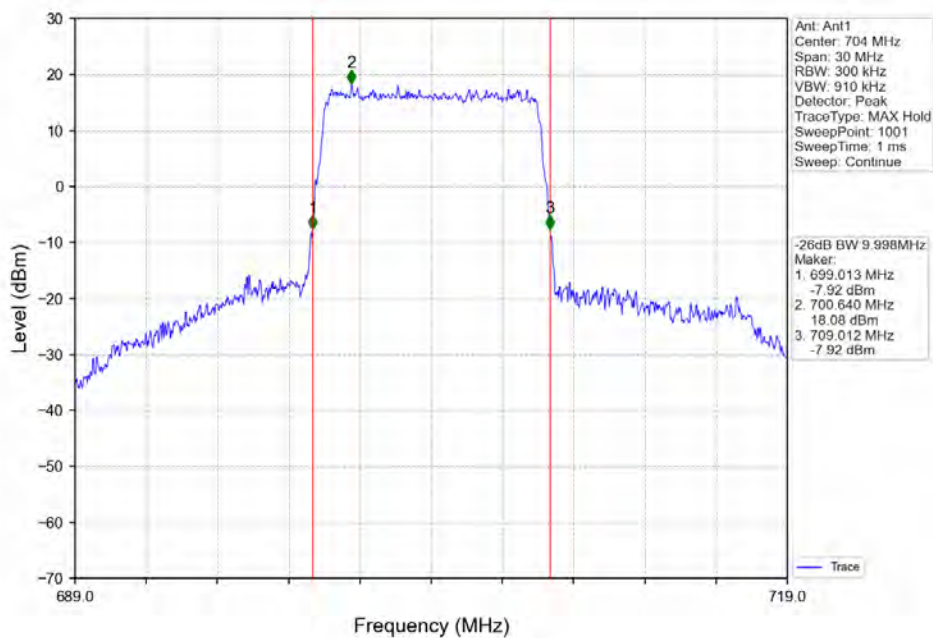
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



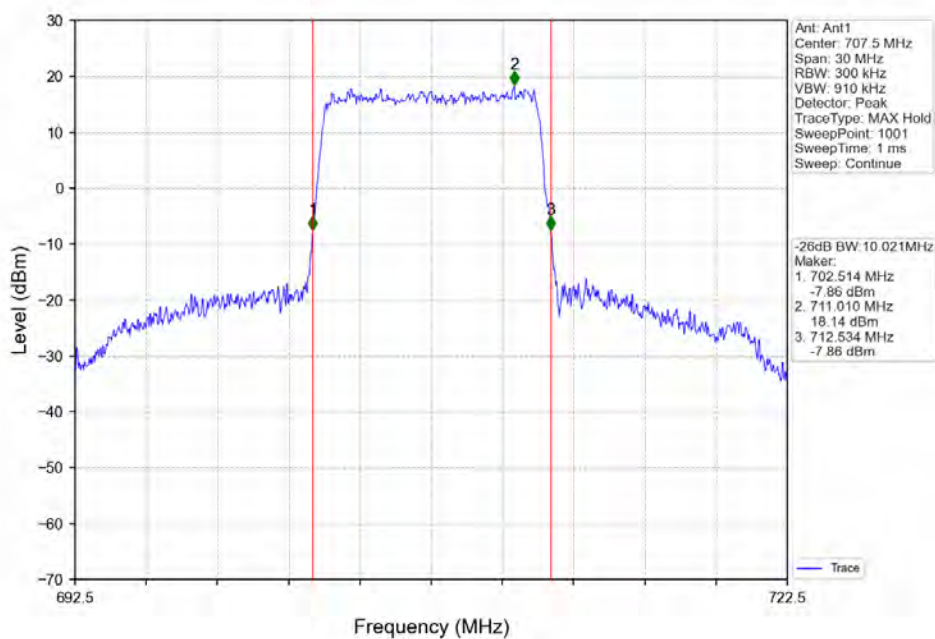
Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



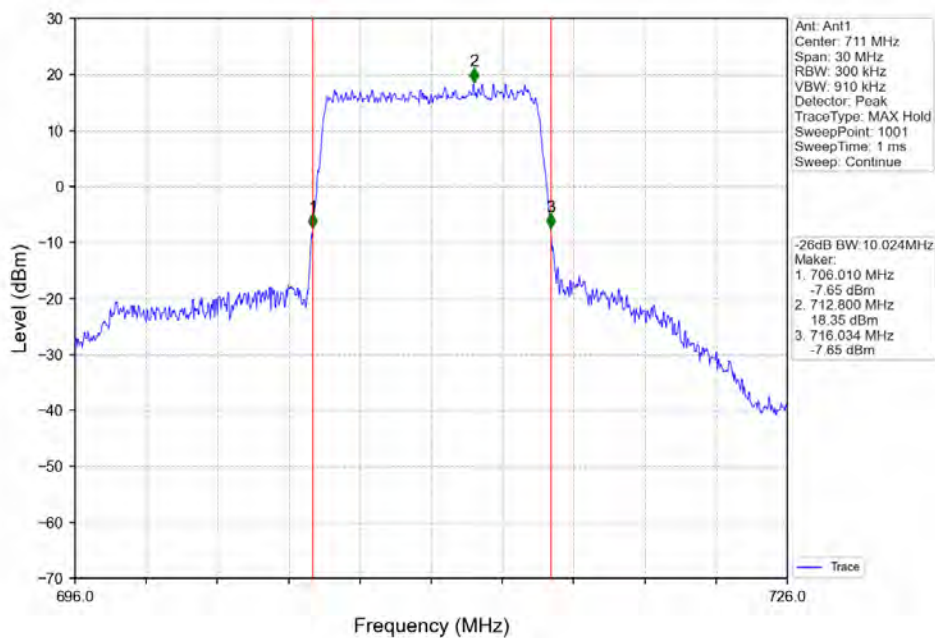
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



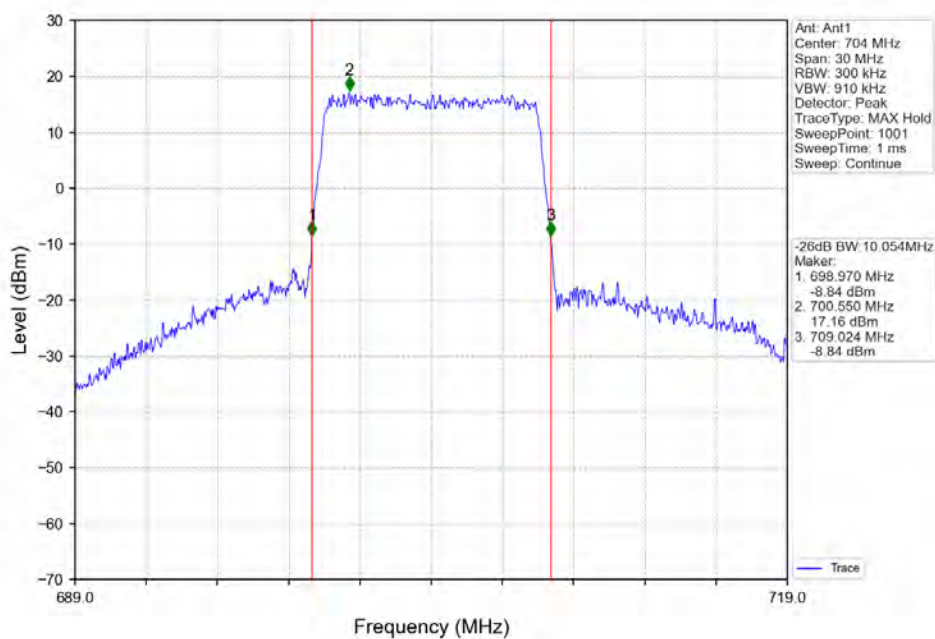
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



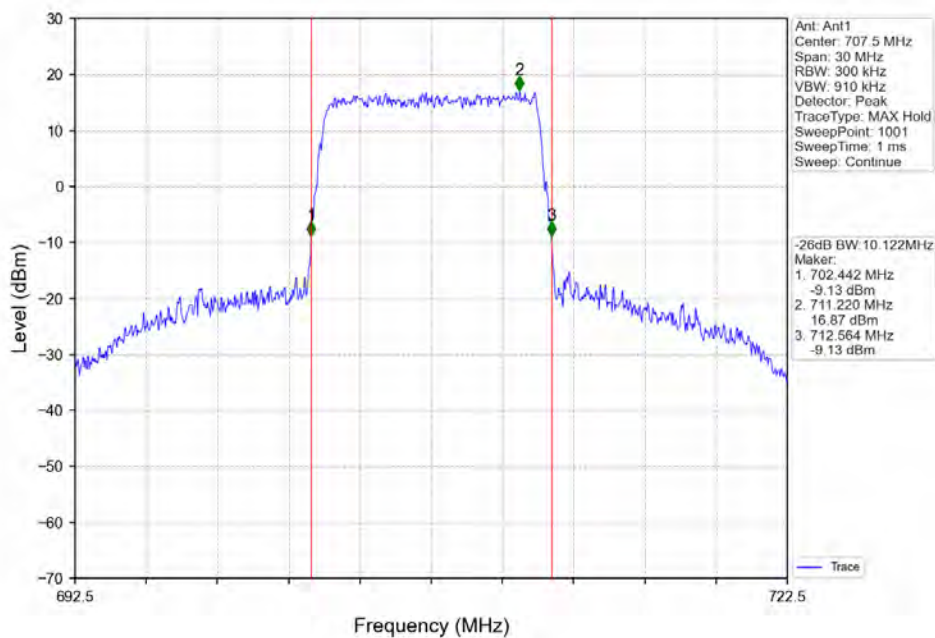
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



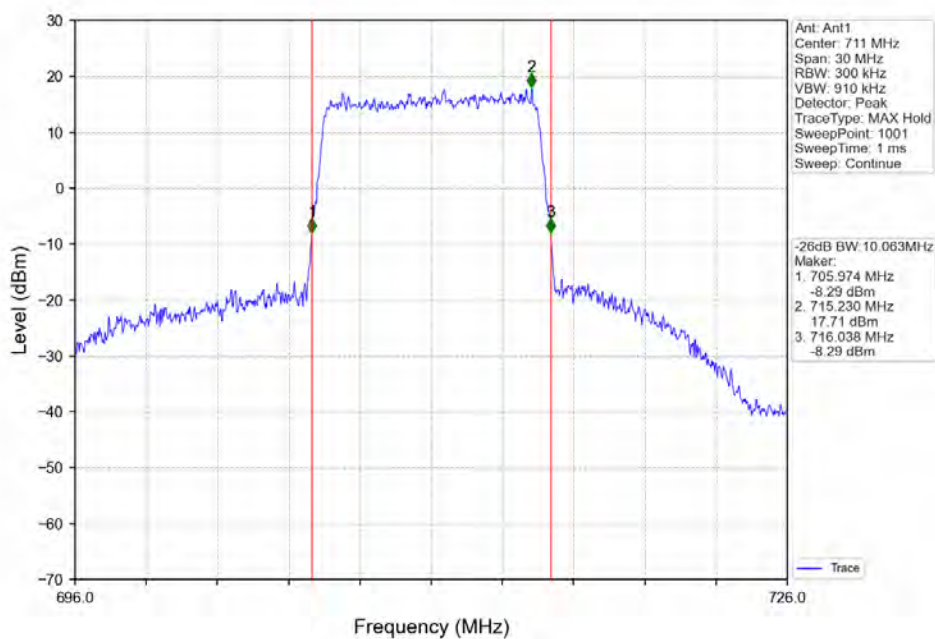
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



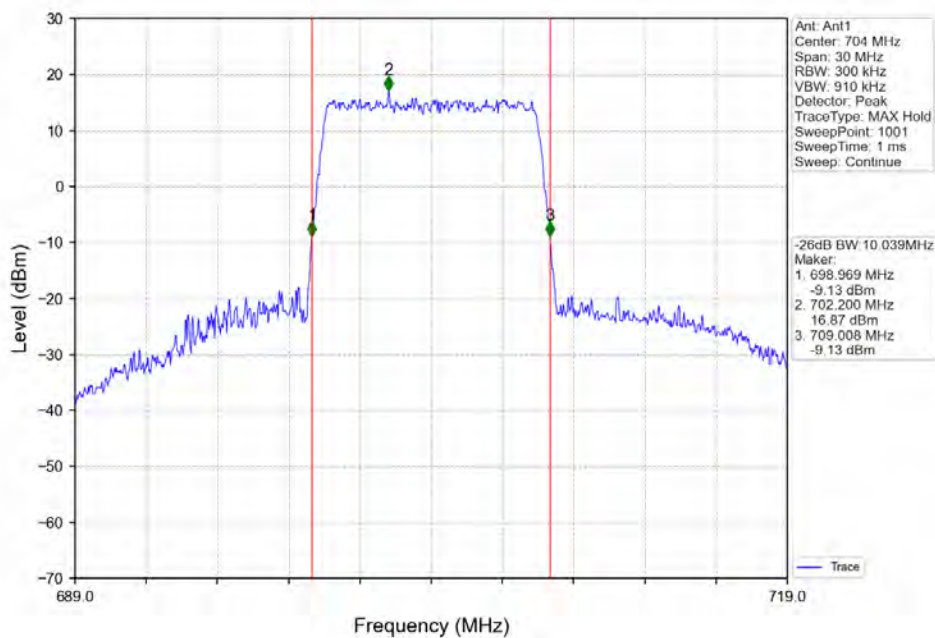
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



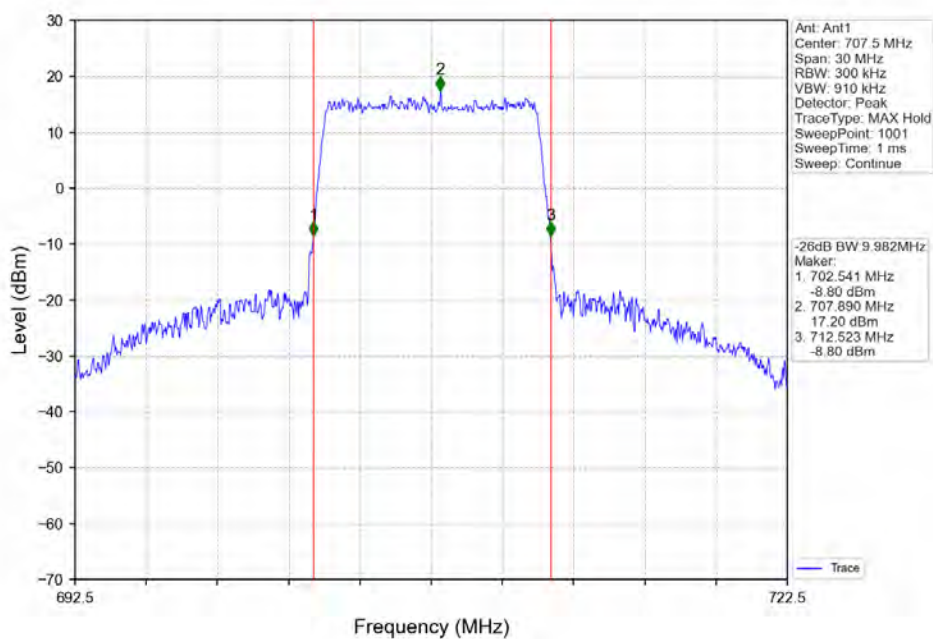
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



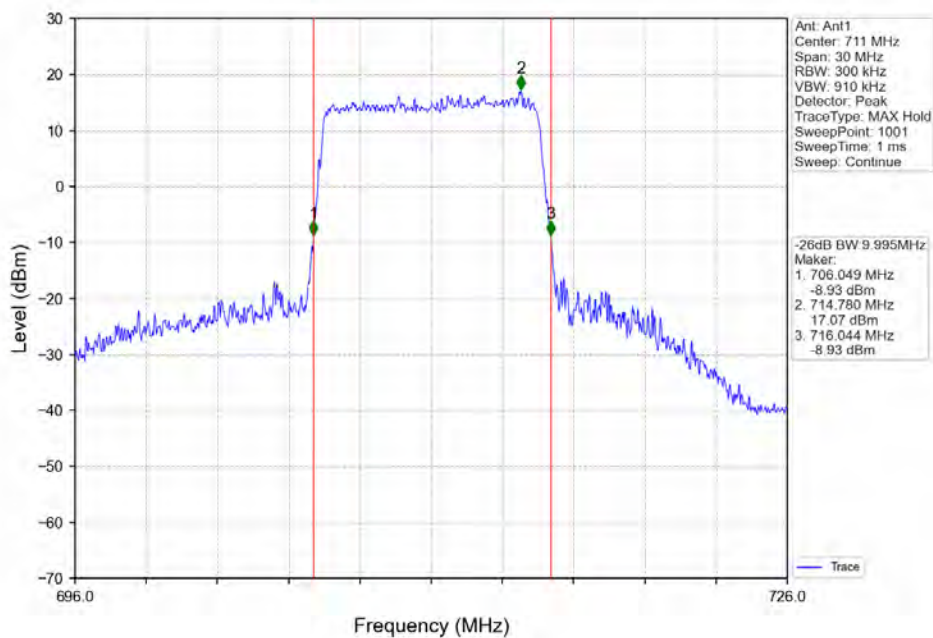
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



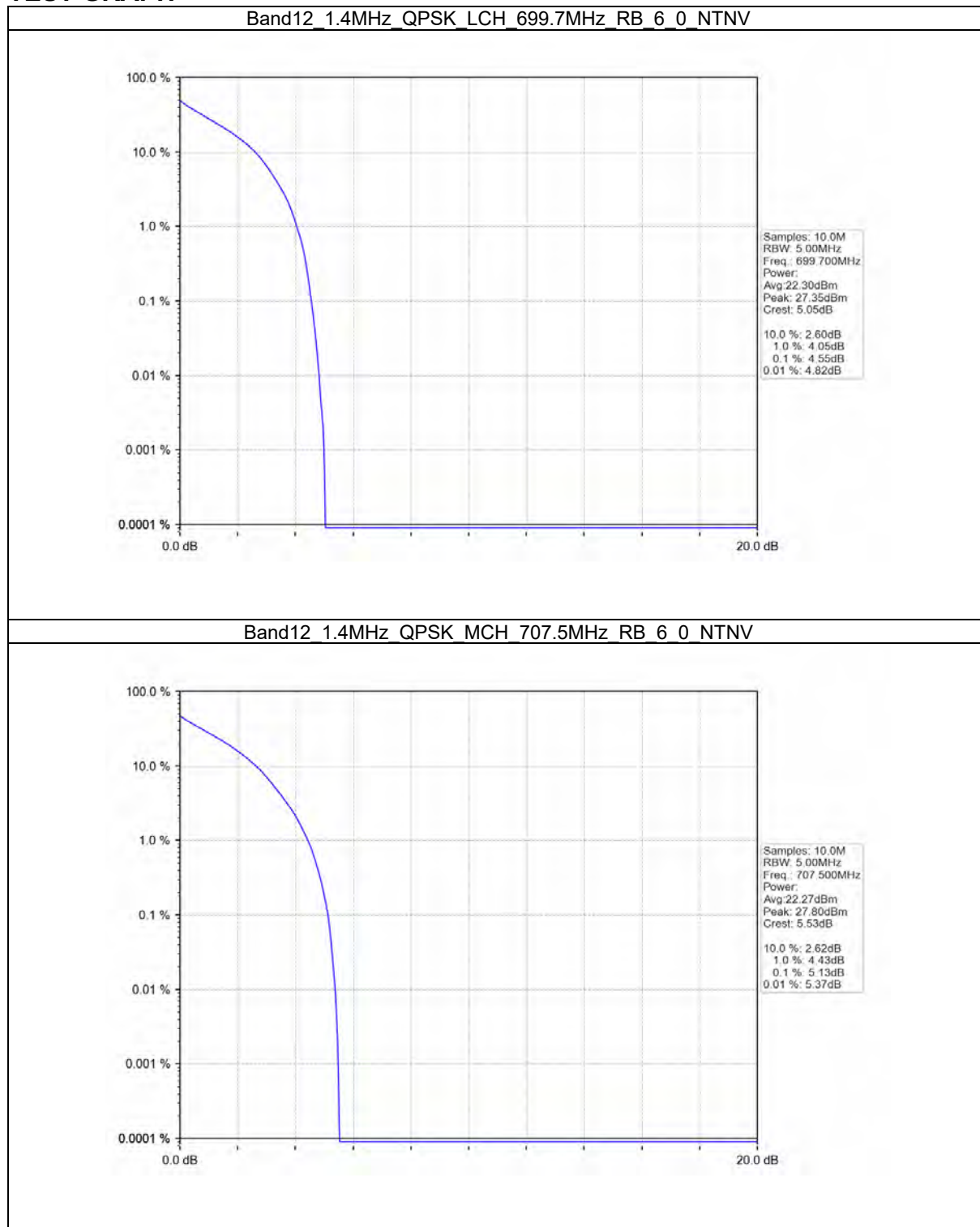


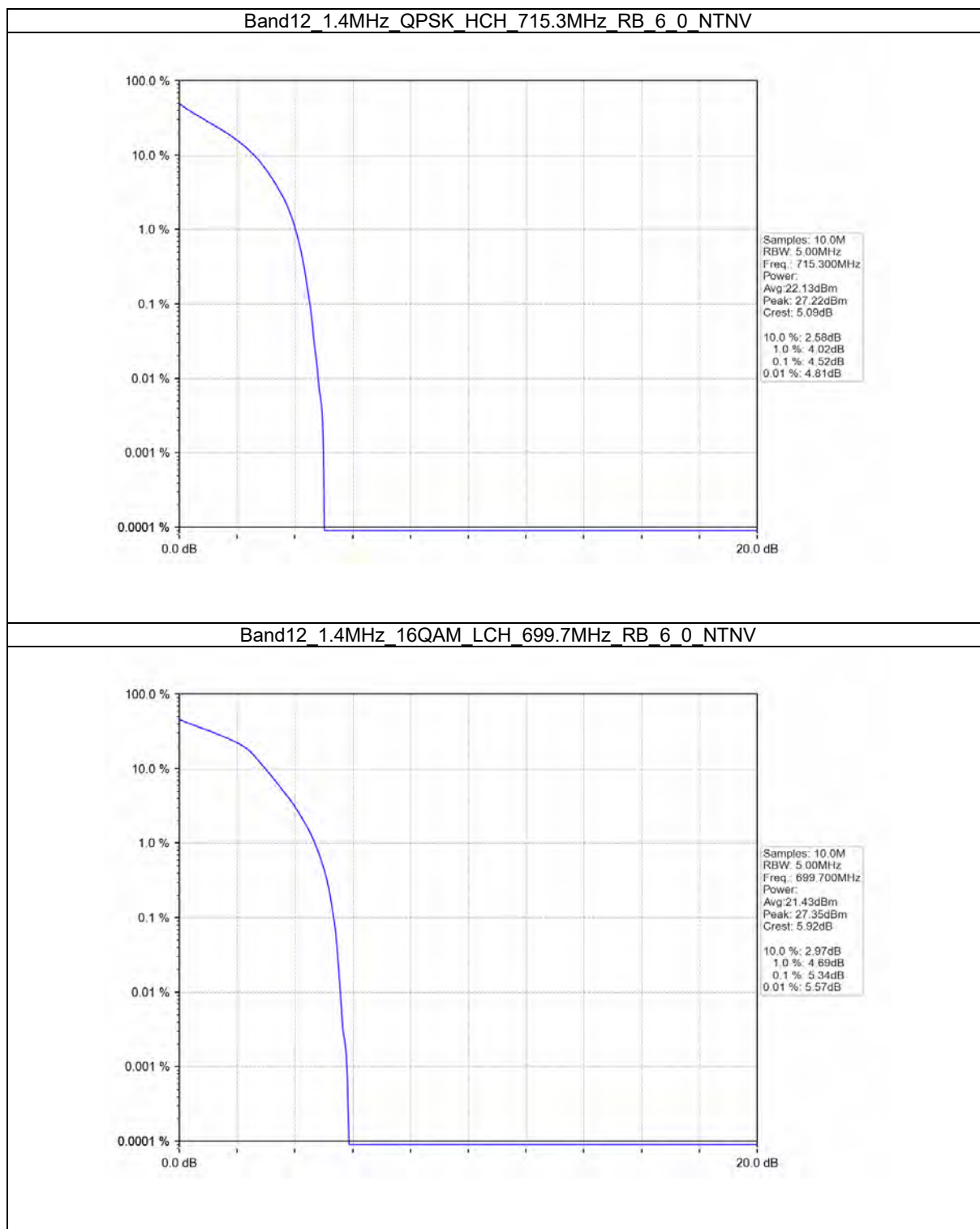
Test Report No.: W7L-P21100018-1RF06

PEAK-AVERAGE RATIO B12_1.4MHZ TEST RESULT

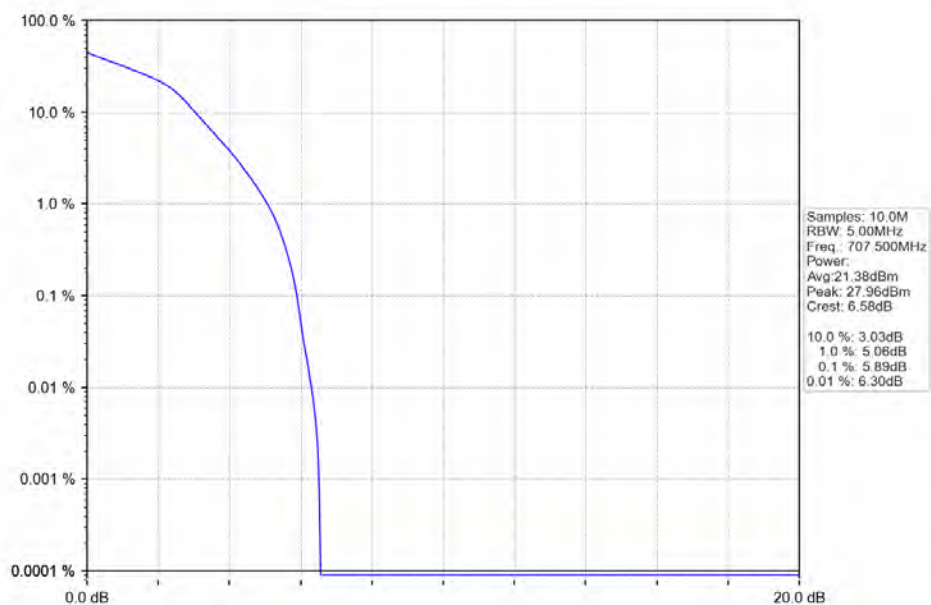
Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	4.55	<=13	Pass
	707.5	6	0	5.13	<=13	Pass
	715.3	6	0	4.52	<=13	Pass
16QAM	699.7	6	0	5.34	<=13	Pass
	707.5	6	0	5.89	<=13	Pass
	715.3	6	0	5.27	<=13	Pass
64QAM	699.7	6	0	5.83	<=13	Pass
	707.5	6	0	6.49	<=13	Pass
	715.3	6	0	5.98	<=13	Pass

TEST GRAPH

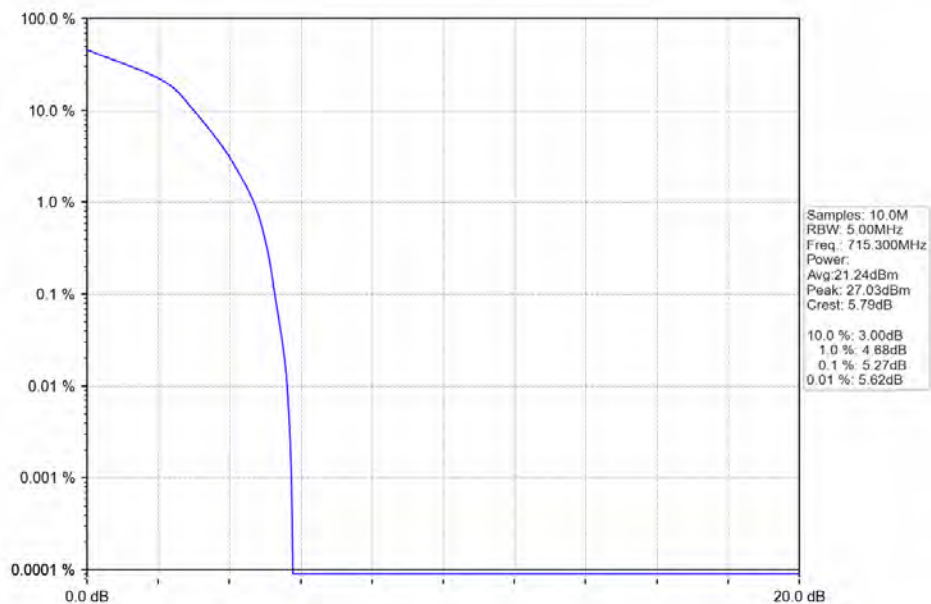




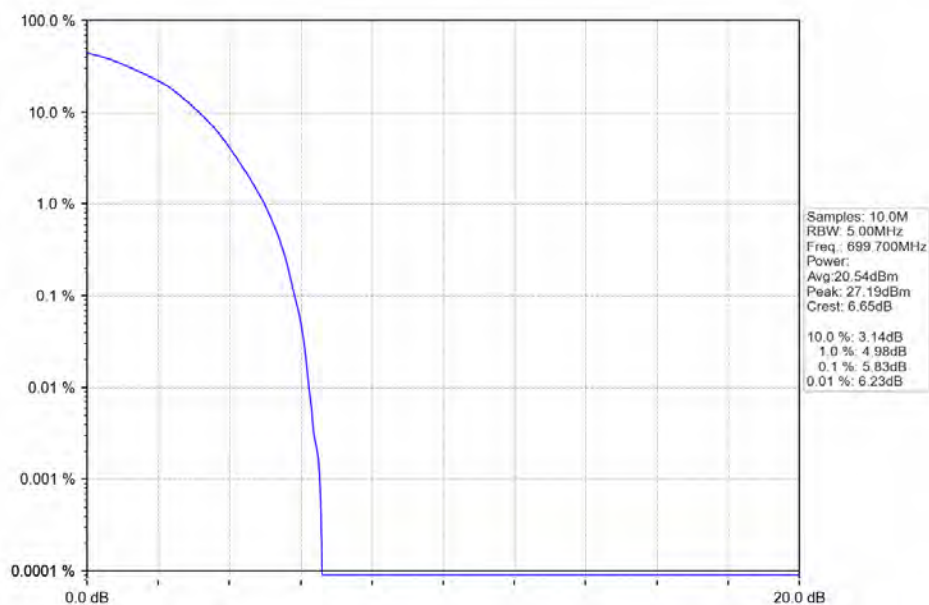
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6.0 NTNV



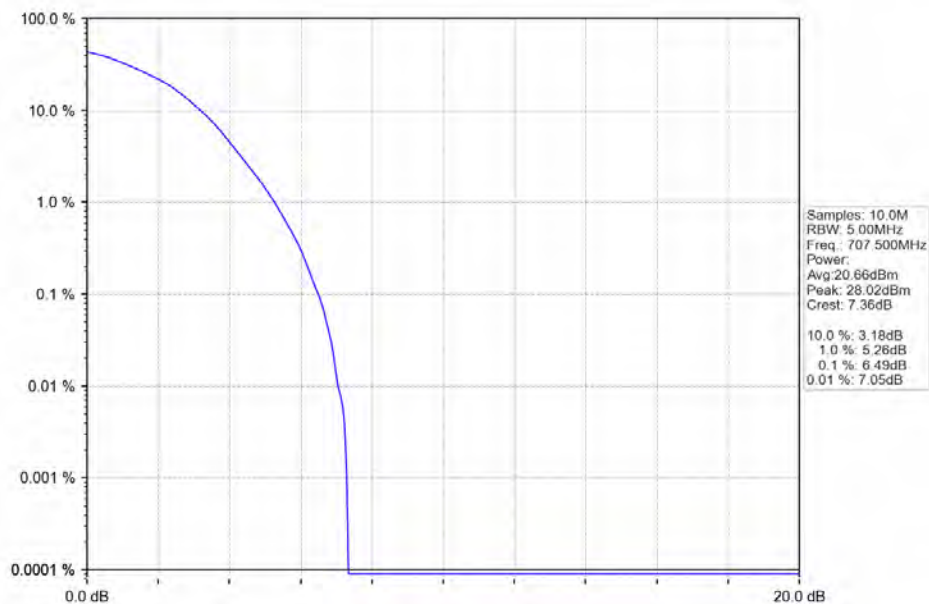
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6.0 NTNV

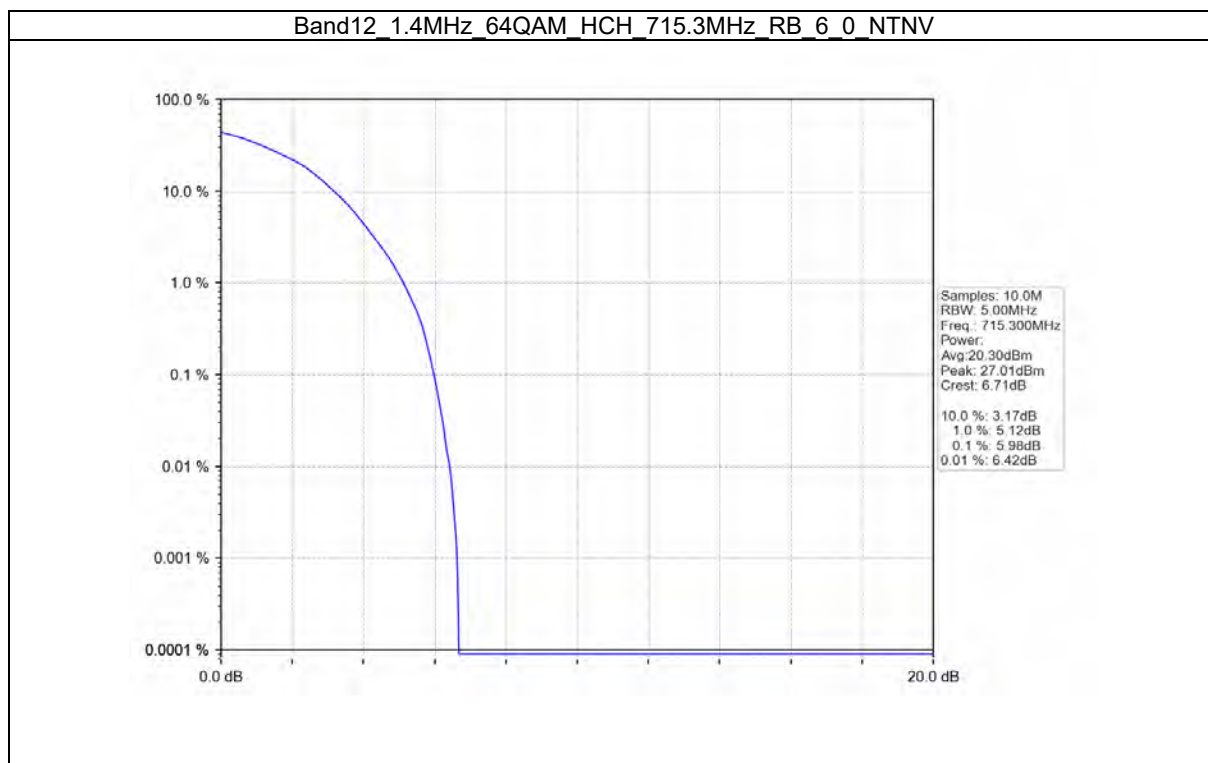


Band12 1.4MHz 64QAM LCH 699.7MHz RB 6 0 NTNV



Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTNV

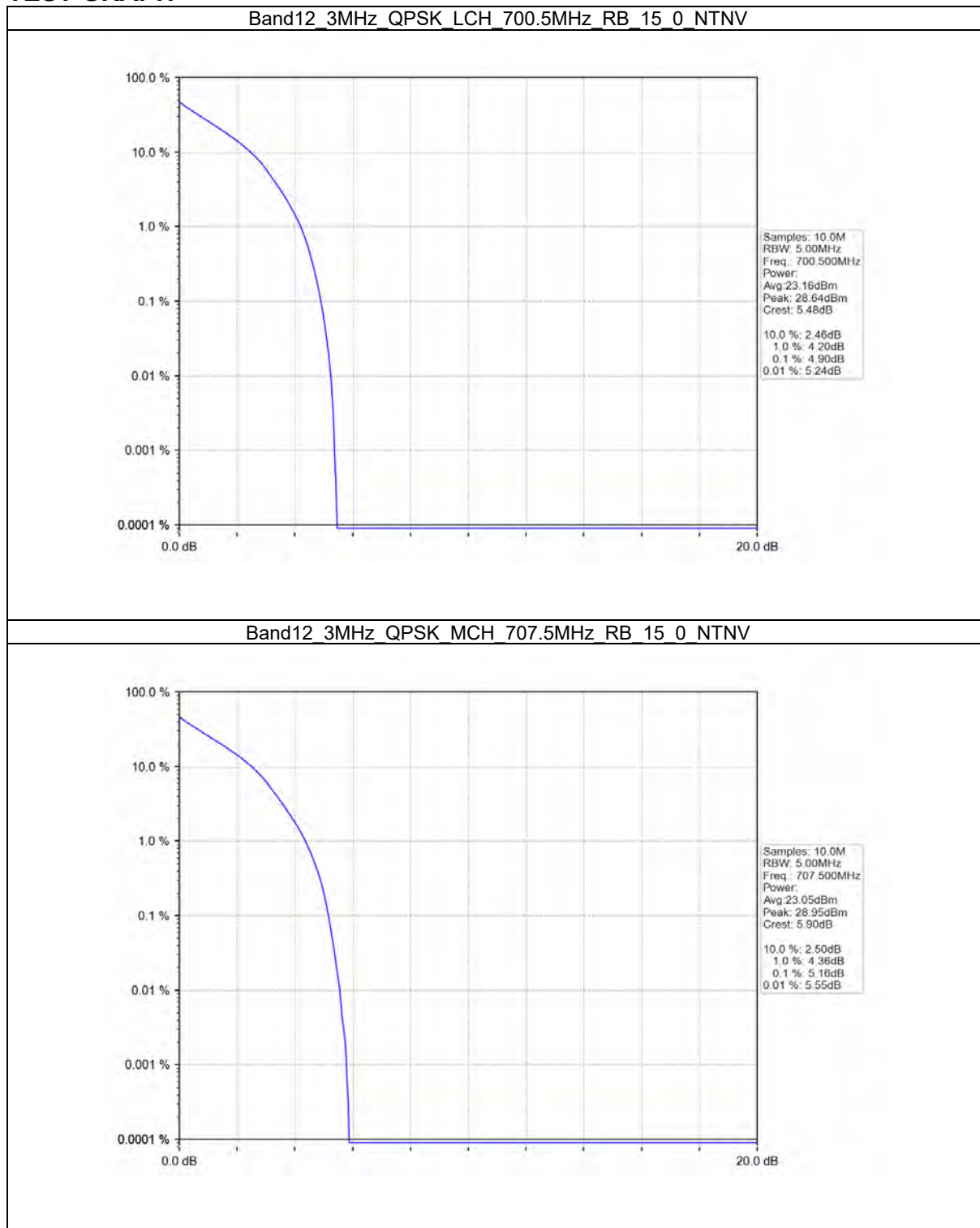


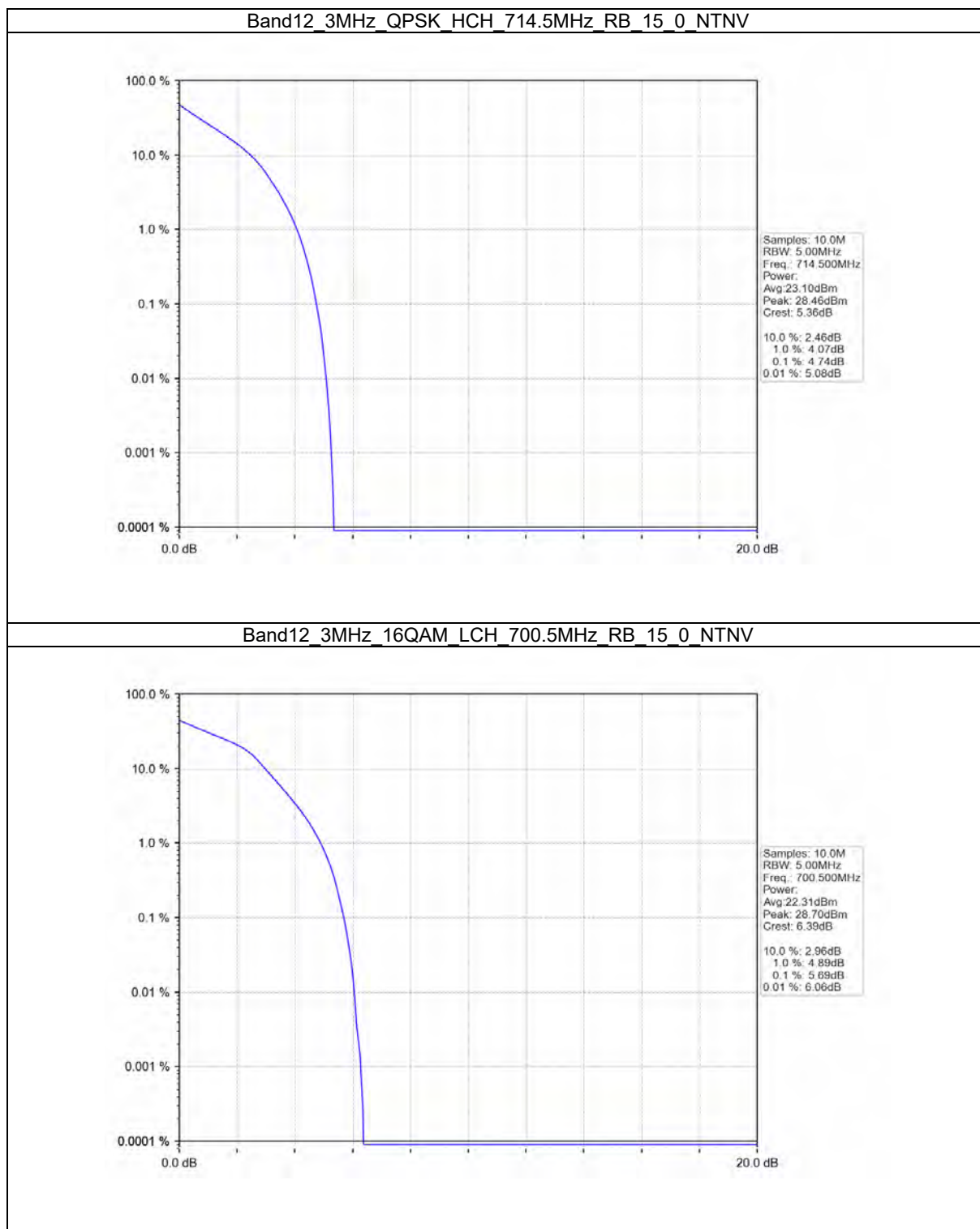


B12_3MHZ TEST RESULT

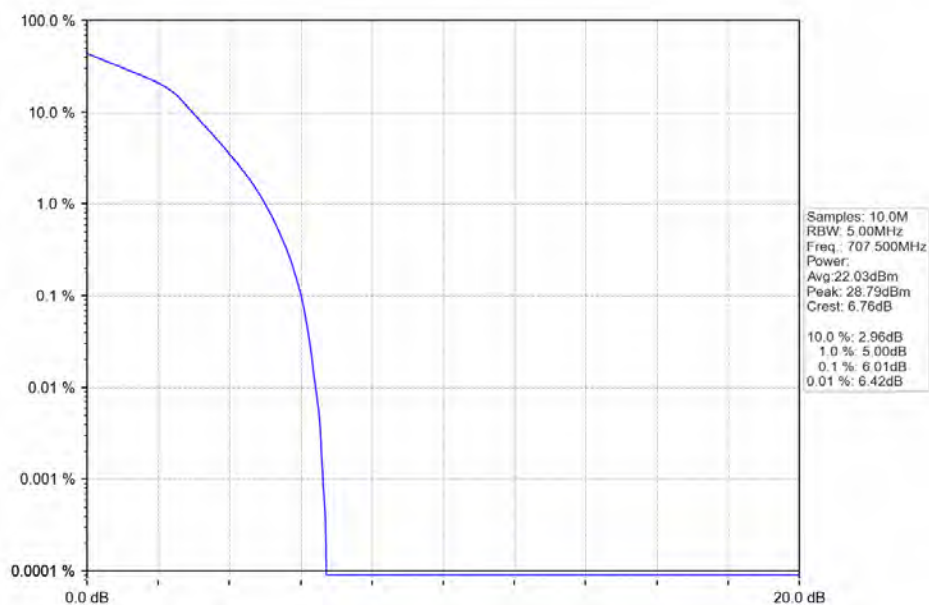
Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	4.90	<=13	Pass
	707.5	15	0	5.16	<=13	Pass
	714.5	15	0	4.74	<=13	Pass
16QAM	700.5	15	0	5.69	<=13	Pass
	707.5	15	0	6.01	<=13	Pass
	714.5	15	0	5.62	<=13	Pass
64QAM	700.5	15	0	6.18	<=13	Pass
	707.5	15	0	6.43	<=13	Pass
	714.5	15	0	6.16	<=13	Pass

TEST GRAPH

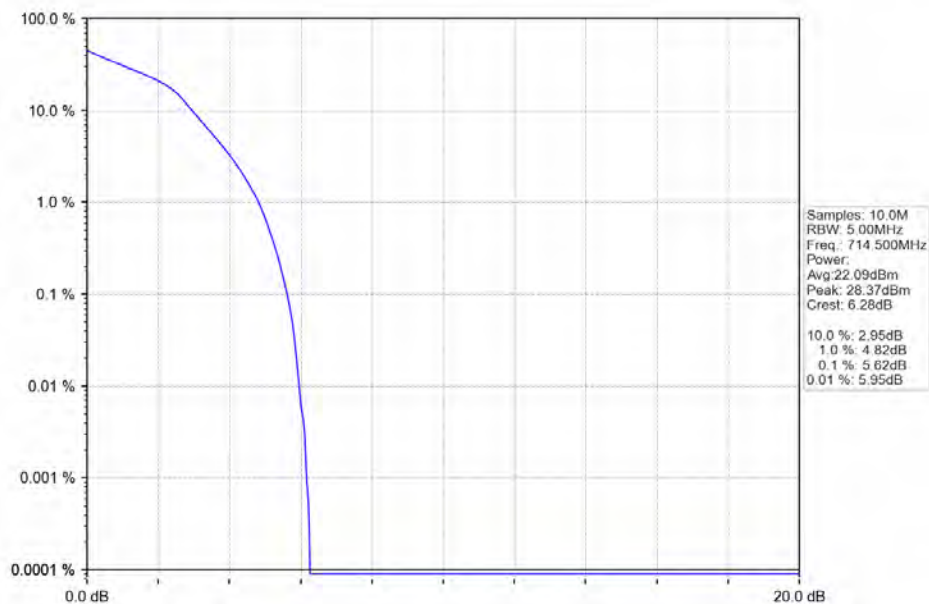




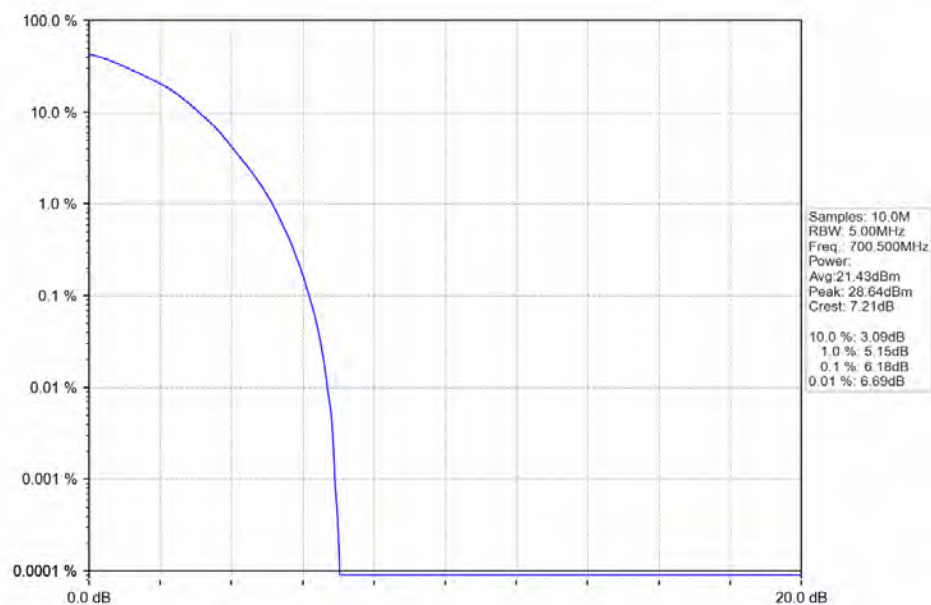
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



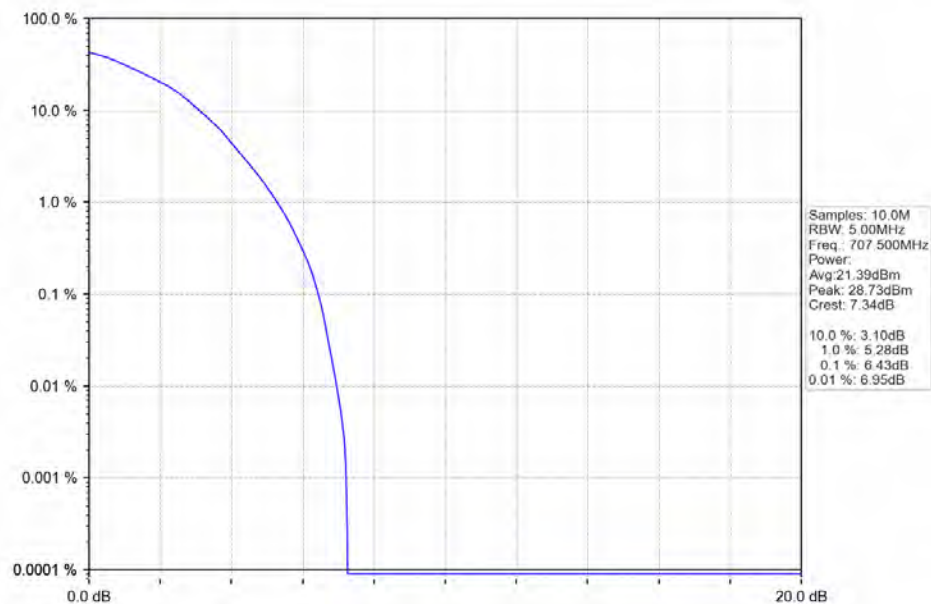
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV

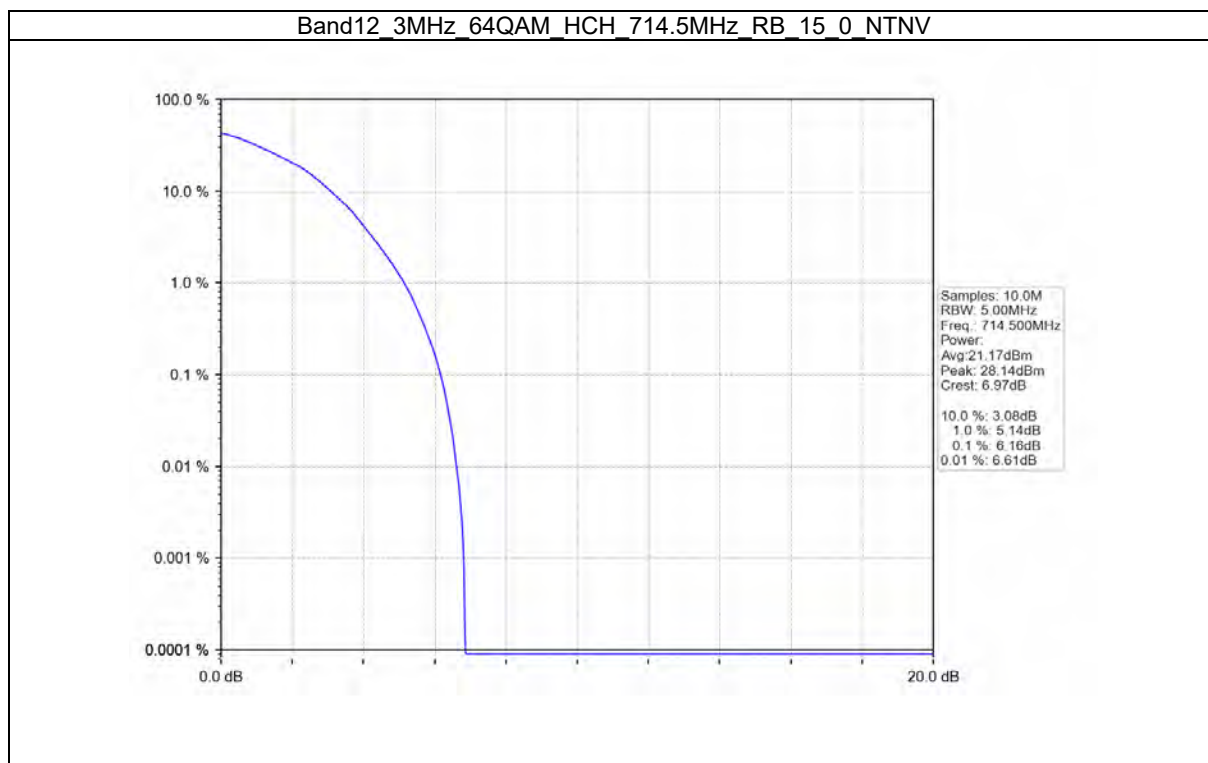


Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV

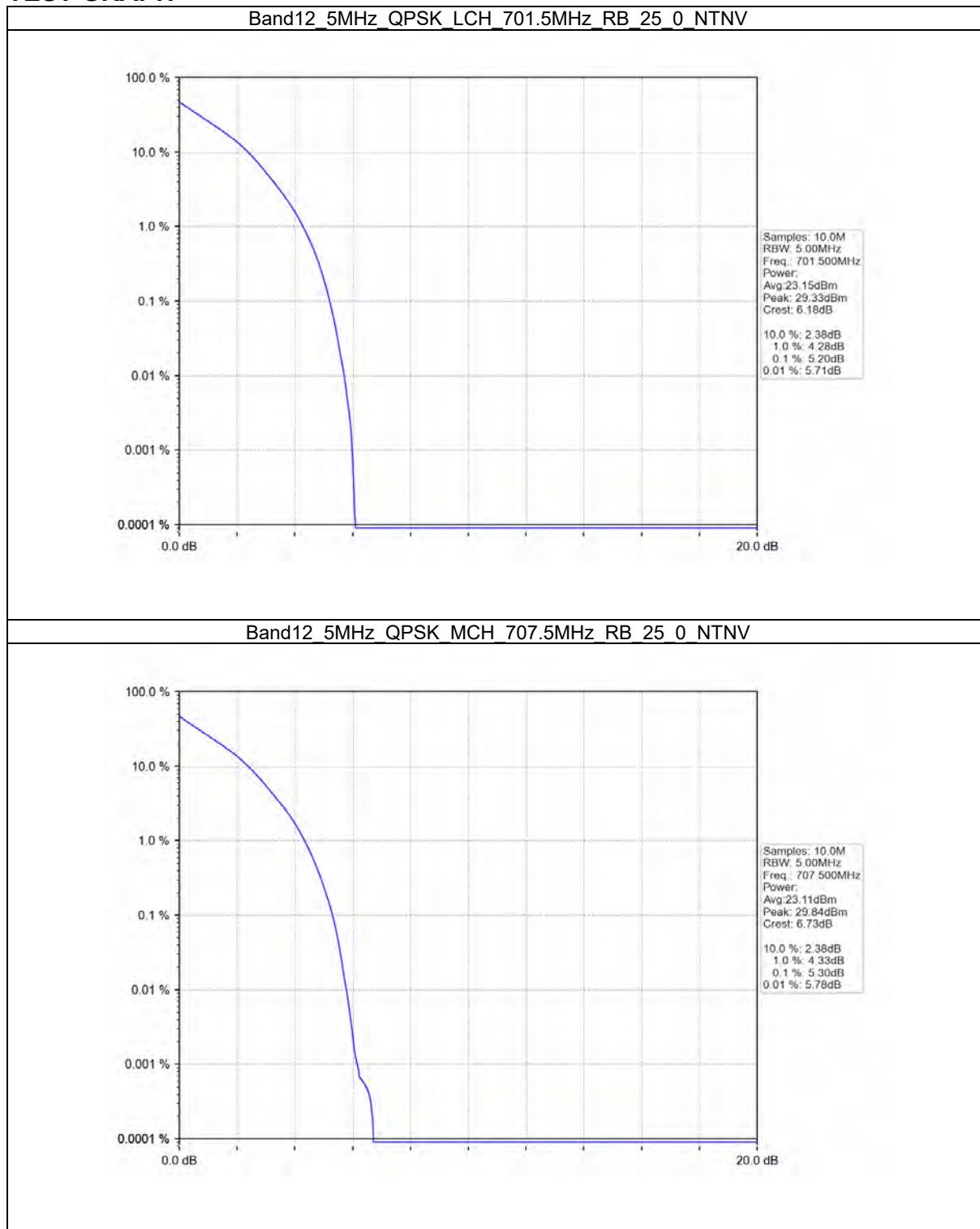


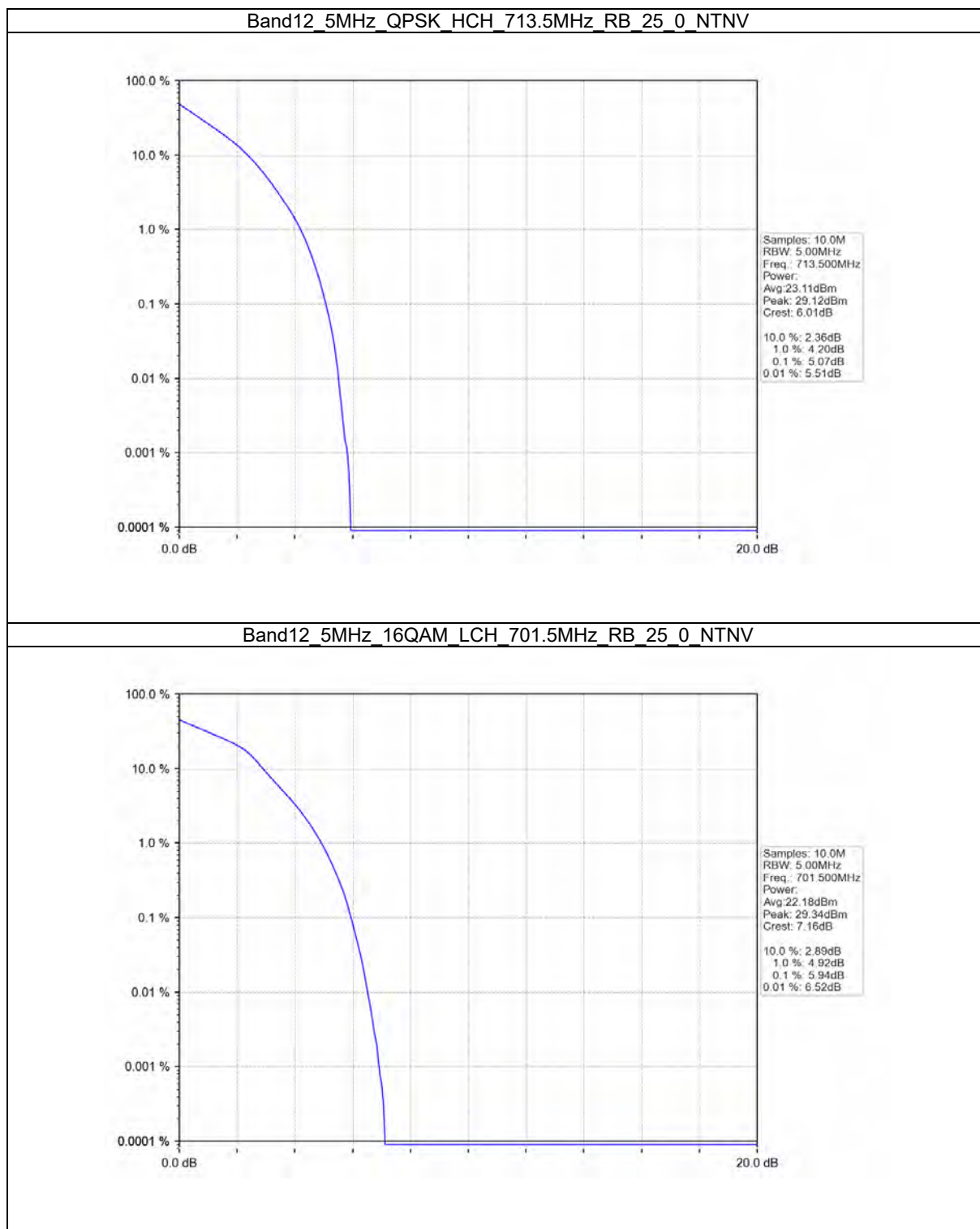


B12_5MHZ TEST RESULT

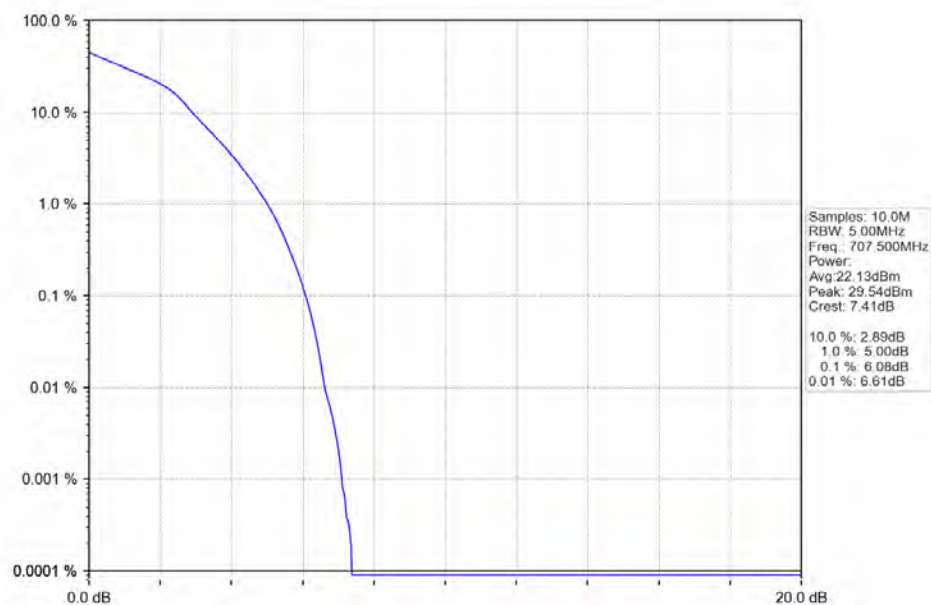
Band: 12 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.20	<=13	Pass
	707.5	25	0	5.30	<=13	Pass
	713.5	25	0	5.07	<=13	Pass
16QAM	701.5	25	0	5.94	<=13	Pass
	707.5	25	0	6.08	<=13	Pass
	713.5	25	0	5.81	<=13	Pass
64QAM	701.5	25	0	6.25	<=13	Pass
	707.5	25	0	6.40	<=13	Pass
	713.5	25	0	6.31	<=13	Pass

TEST GRAPH

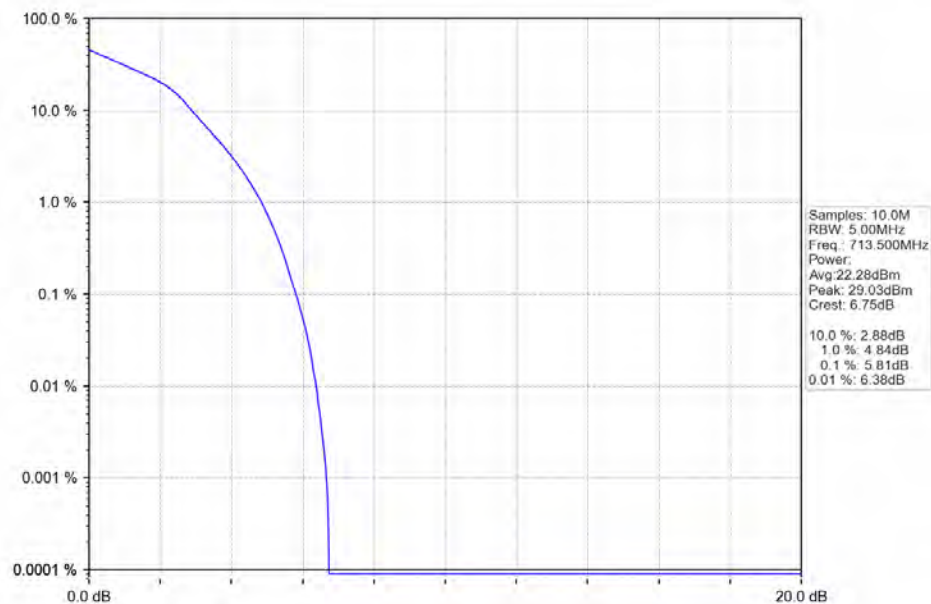




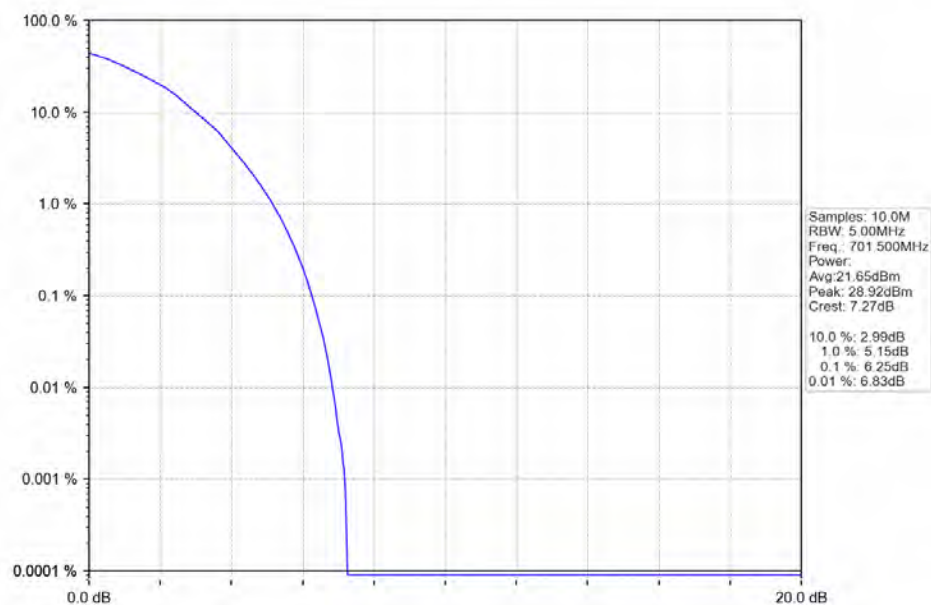
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



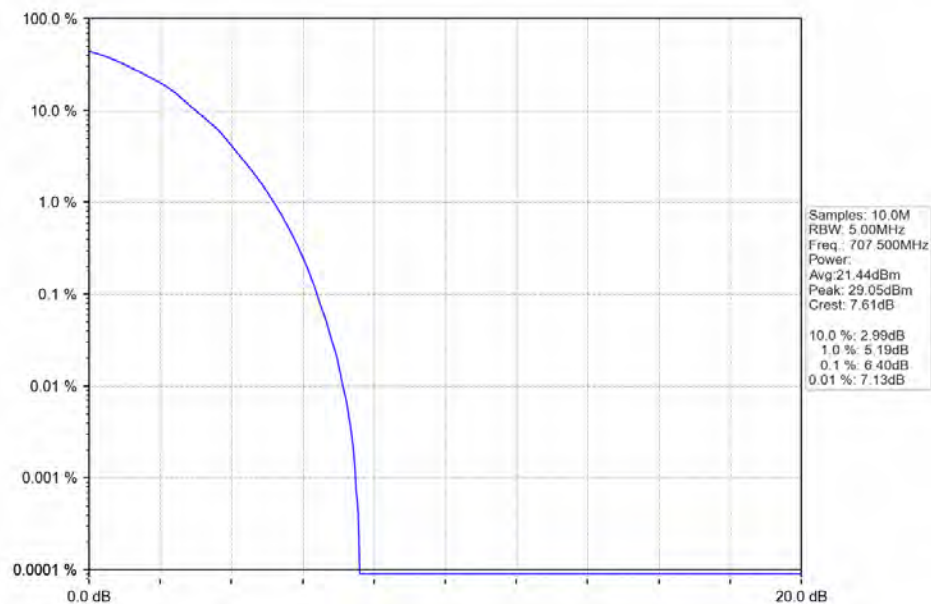
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV

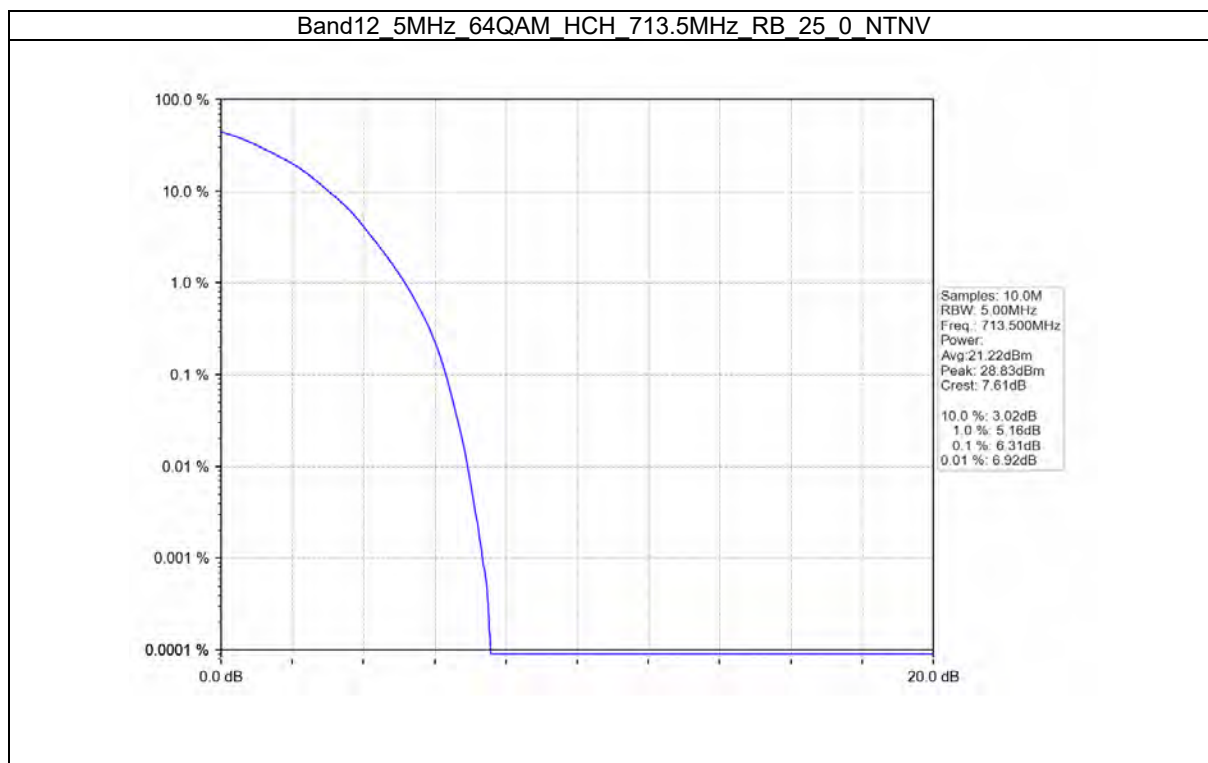


Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV

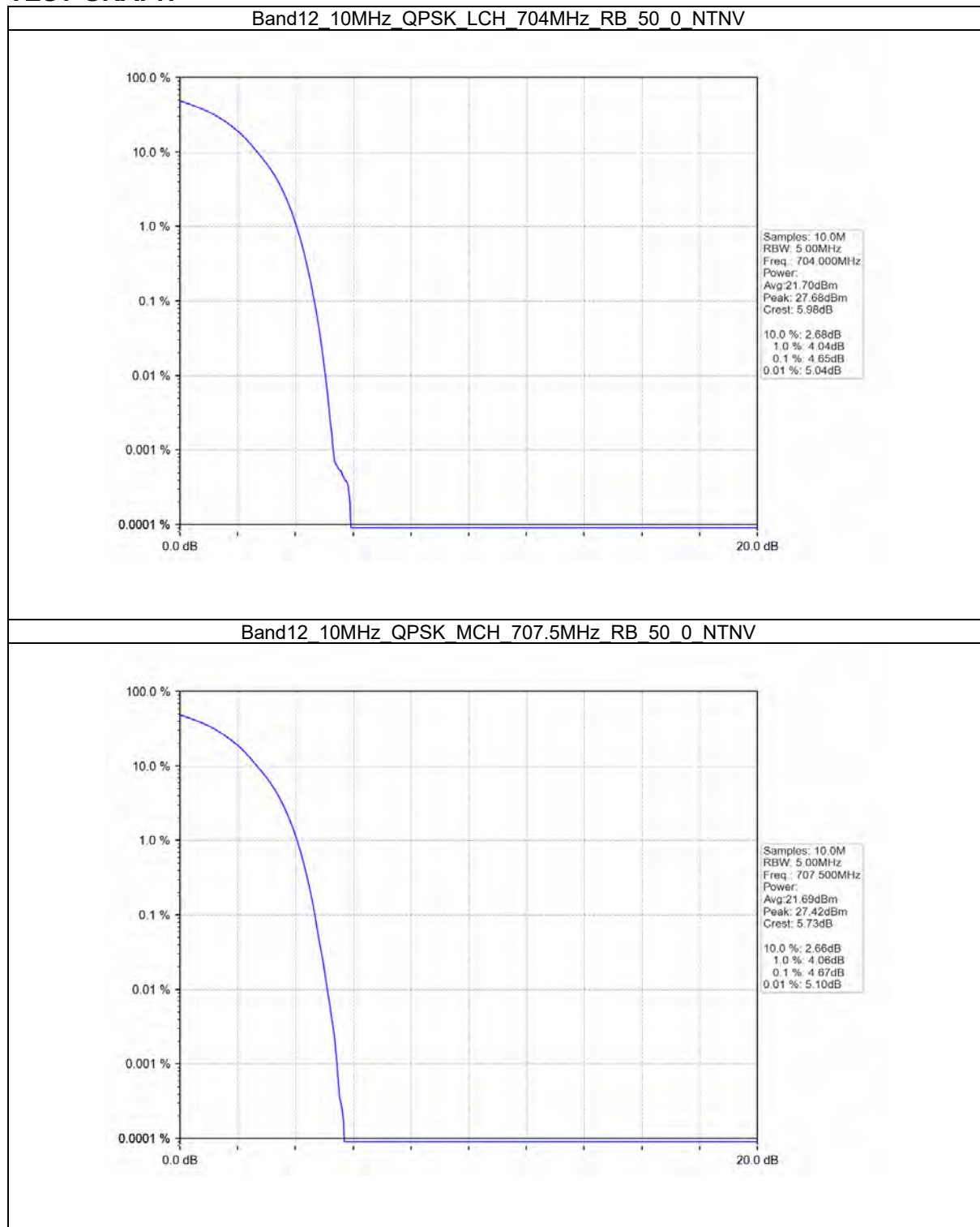




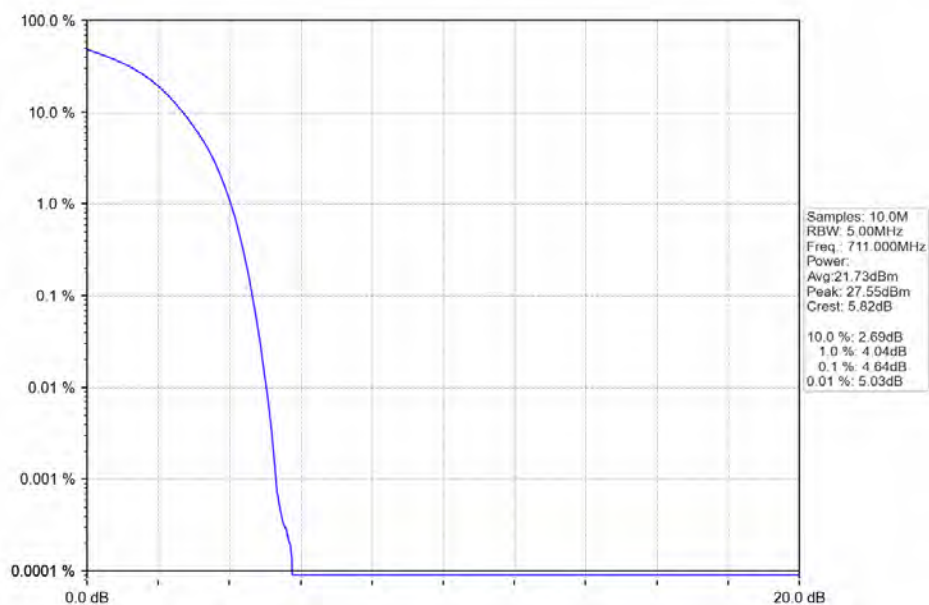
B12_10MHZ TEST RESULT

Band: 12 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	4.65	<=13	Pass
	707.5	50	0	4.67	<=13	Pass
	711	50	0	4.64	<=13	Pass
16QAM	704	50	0	6.11	<=13	Pass
	707.5	50	0	6.07	<=13	Pass
	711	50	0	6.10	<=13	Pass
64QAM	704	50	0	6.44	<=13	Pass
	707.5	50	0	6.40	<=13	Pass
	711	50	0	6.42	<=13	Pass

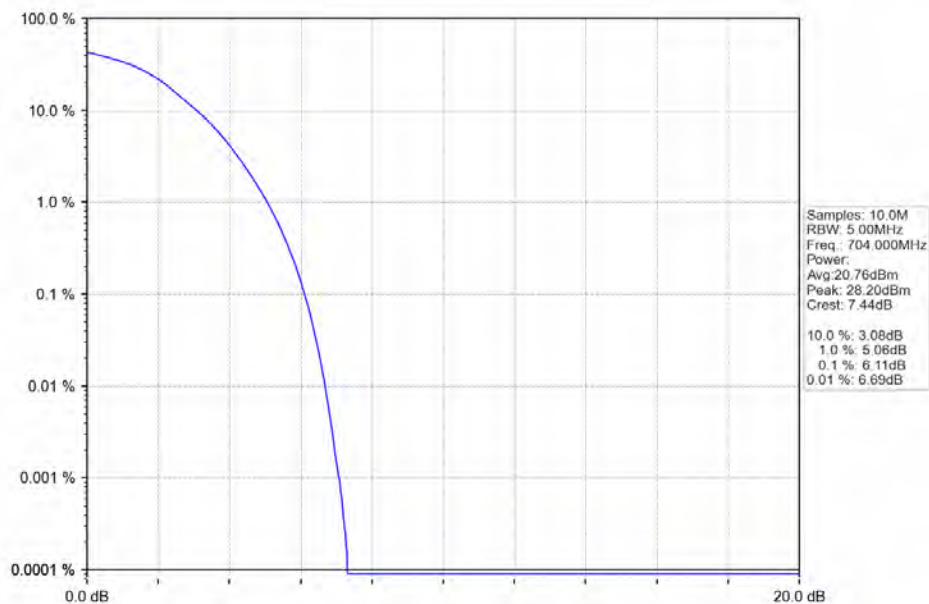
TEST GRAPH



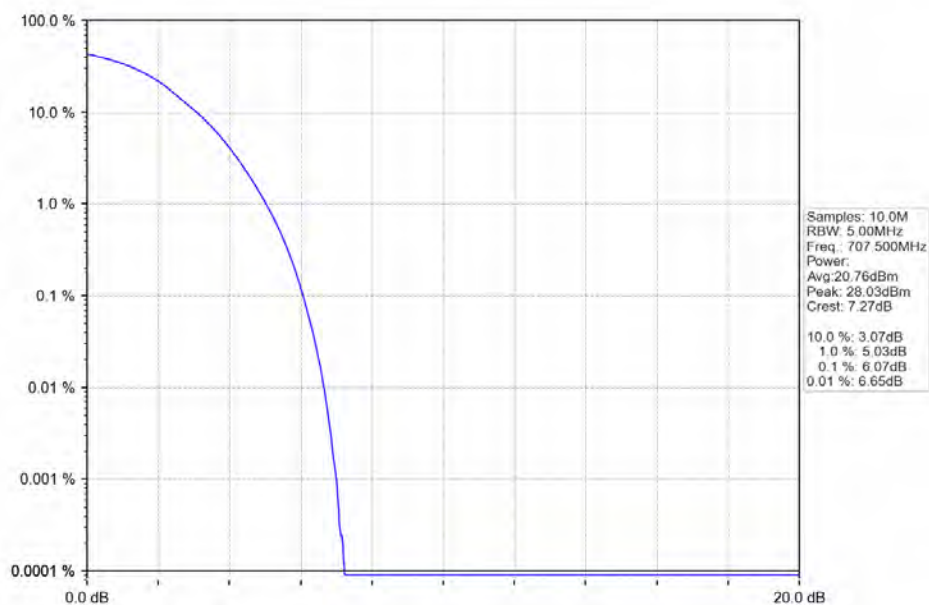
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



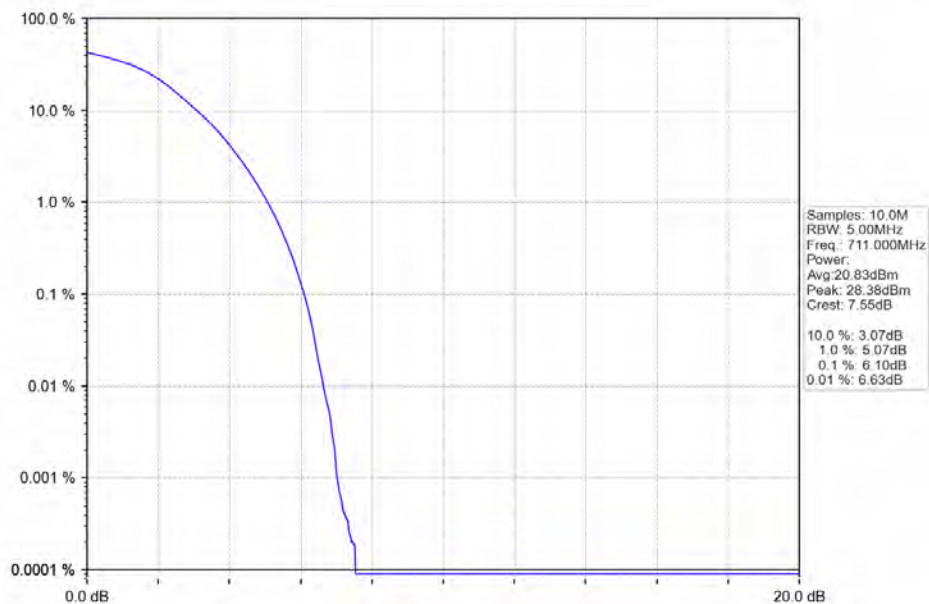
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



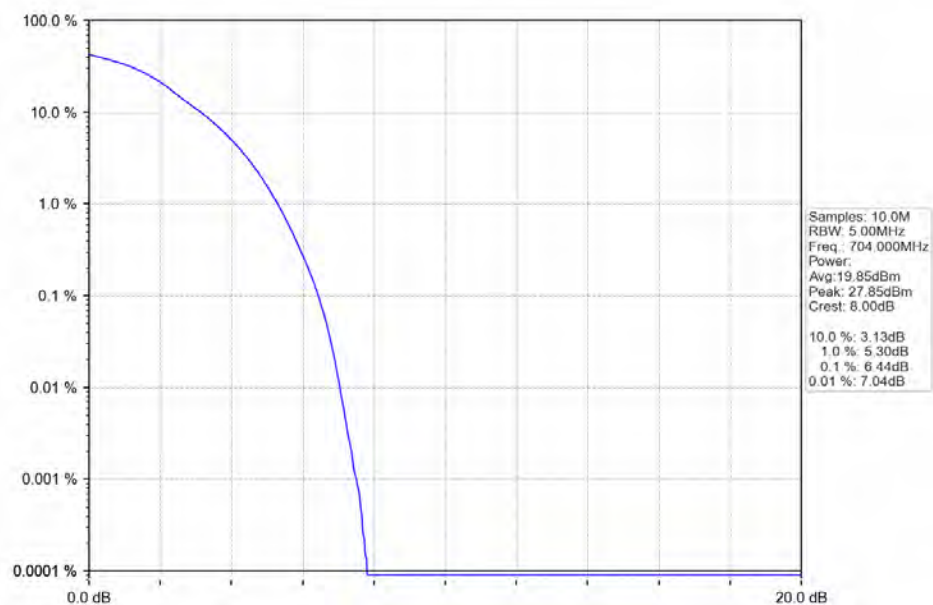
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



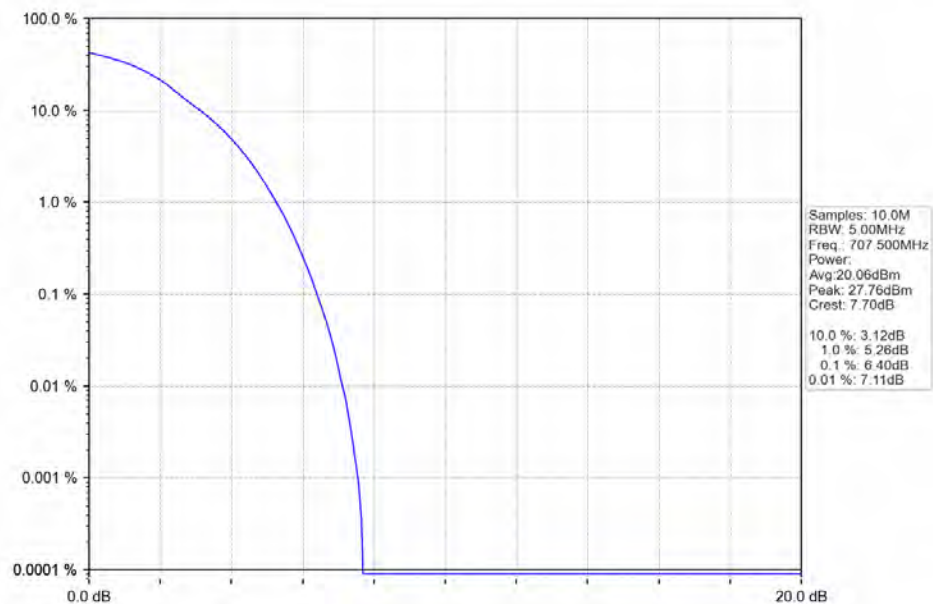
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

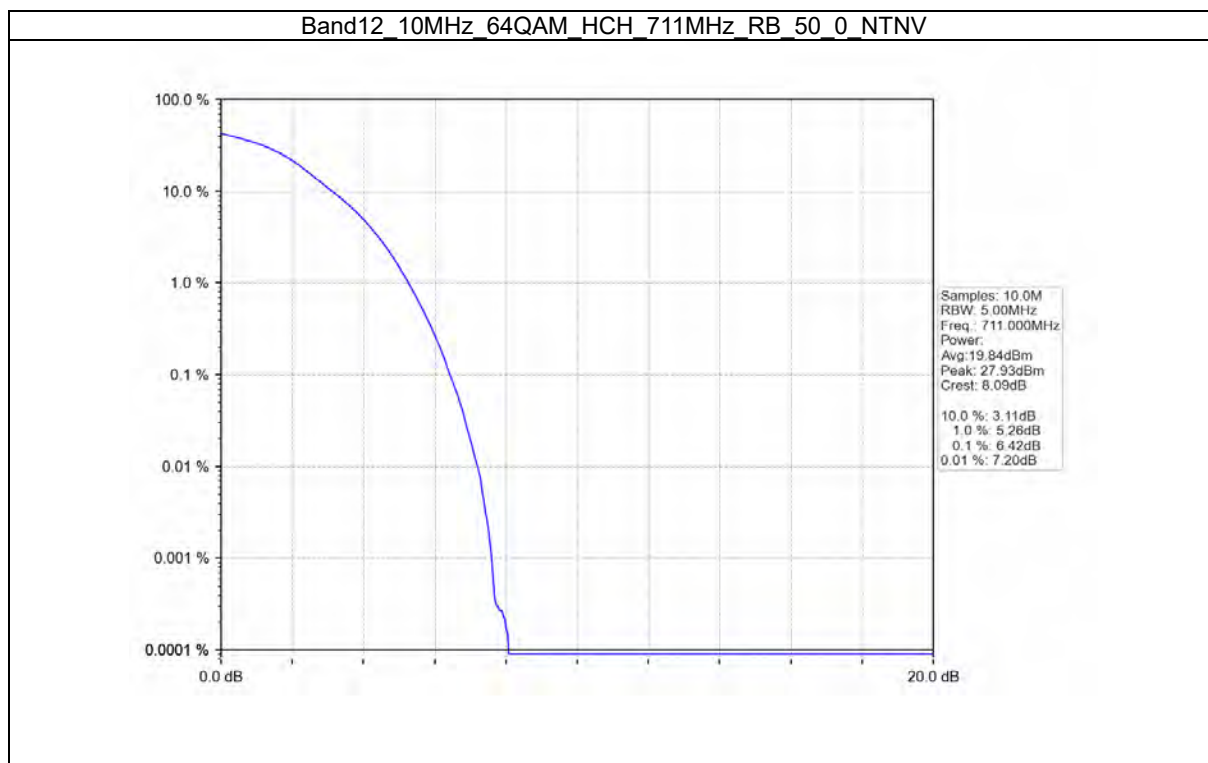


Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV





LTE BAND 13

FREQUENCY STABILITY B13_5MHZ TEST RESULT

Band: 13 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	779.5	25	0	20	3.27	14.48	0.02	-2.5 to 2.5	Pass
					3.85	17.17	0.02	-2.5 to 2.5	Pass
					4.43	16.68	0.02	-2.5 to 2.5	Pass
				-30	3.85	16.15	0.02	-2.5 to 2.5	Pass
				-20	3.85	14.65	0.02	-2.5 to 2.5	Pass
				-10	3.85	13.26	0.02	-2.5 to 2.5	Pass
				0	3.85	11.92	0.02	-2.5 to 2.5	Pass
				10	3.85	8.58	0.01	-2.5 to 2.5	Pass
				30	3.85	4.71	0.01	-2.5 to 2.5	Pass
				40	3.85	3.13	0.00	-2.5 to 2.5	Pass
				50	3.85	-1.14	-0.00	-2.5 to 2.5	Pass
	782	25	0	20	3.27	3.28	0.00	-2.5 to 2.5	Pass
					3.85	2.77	0.00	-2.5 to 2.5	Pass
					4.43	2.58	0.00	-2.5 to 2.5	Pass
				-30	3.85	2.23	0.00	-2.5 to 2.5	Pass
				-20	3.85	0.90	0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.60	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.38	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.35	-0.00	-2.5 to 2.5	Pass
				30	3.85	-5.44	-0.01	-2.5 to 2.5	Pass
				40	3.85	-5.35	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.37	-0.01	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	-1.76	-0.00	-2.5 to 2.5	Pass
					3.85	-0.46	-0.00	-2.5 to 2.5	Pass
					4.43	0.32	0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.21	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-2.42	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.33	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.43	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.98	-0.01	-2.5 to 2.5	Pass
				30	3.85	-3.62	-0.00	-2.5 to 2.5	Pass
				40	3.85	-5.49	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.14	-0.01	-2.5 to 2.5	Pass
16QAM	779.5	25	0	20	3.27	-4.03	-0.01	-2.5 to 2.5	Pass
					3.85	-4.06	-0.01	-2.5 to 2.5	Pass
					4.43	-7.45	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-7.80	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-6.95	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.90	-0.01	-2.5 to 2.5	Pass
				0	3.85	-9.44	-0.01	-2.5 to 2.5	Pass
				10	3.85	-9.64	-0.01	-2.5 to 2.5	Pass
				30	3.85	-8.80	-0.01	-2.5 to 2.5	Pass
				40	3.85	-9.14	-0.01	-2.5 to 2.5	Pass
				50	3.85	-10.50	-0.01	-2.5 to 2.5	Pass
	782	25	0	20	3.27	-7.02	-0.01	-2.5 to 2.5	Pass
					3.85	-8.05	-0.01	-2.5 to 2.5	Pass
					4.43	-7.24	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-7.70	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-6.01	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-6.24	-0.01	-2.5 to 2.5	Pass

				0	3.85	-4.81	-0.01	-2.5 to 2.5	Pass
				10	3.85	-4.03	-0.01	-2.5 to 2.5	Pass
				30	3.85	-2.07	-0.00	-2.5 to 2.5	Pass
				40	3.85	0.74	0.00	-2.5 to 2.5	Pass
				50	3.85	1.73	0.00	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	-8.03	-0.01	-2.5 to 2.5	Pass
					3.85	-7.88	-0.01	-2.5 to 2.5	Pass
					4.43	-8.88	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-7.34	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-5.36	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-4.81	-0.01	-2.5 to 2.5	Pass
				0	3.85	-2.93	-0.00	-2.5 to 2.5	Pass
				10	3.85	-1.87	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.10	-0.00	-2.5 to 2.5	Pass
				40	3.85	-1.13	-0.00	-2.5 to 2.5	Pass
				50	3.85	1.95	0.00	-2.5 to 2.5	Pass
64QAM	779.5	25	0	20	3.27	-9.69	-0.01	-2.5 to 2.5	Pass
					3.85	-9.70	-0.01	-2.5 to 2.5	Pass
					4.43	-9.21	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-7.84	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-7.65	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-8.18	-0.01	-2.5 to 2.5	Pass
				0	3.85	-5.22	-0.01	-2.5 to 2.5	Pass
				10	3.85	-9.41	-0.01	-2.5 to 2.5	Pass
				30	3.85	-9.86	-0.01	-2.5 to 2.5	Pass
				40	3.85	-8.18	-0.01	-2.5 to 2.5	Pass
				50	3.85	-6.39	-0.01	-2.5 to 2.5	Pass
	782	25	0	20	3.27	2.82	0.00	-2.5 to 2.5	Pass
					3.85	6.15	0.01	-2.5 to 2.5	Pass
					4.43	8.54	0.01	-2.5 to 2.5	Pass
				-30	3.85	11.09	0.01	-2.5 to 2.5	Pass
				-20	3.85	12.79	0.02	-2.5 to 2.5	Pass
				-10	3.85	13.92	0.02	-2.5 to 2.5	Pass
				0	3.85	16.49	0.02	-2.5 to 2.5	Pass
				10	3.85	18.25	0.02	-2.5 to 2.5	Pass
				30	3.85	22.45	0.03	-2.5 to 2.5	Pass
				40	3.85	25.21	0.03	-2.5 to 2.5	Pass
				50	3.85	26.74	0.03	-2.5 to 2.5	Pass
	784.5	25	0	20	3.27	3.15	0.00	-2.5 to 2.5	Pass
					3.85	3.90	0.01	-2.5 to 2.5	Pass
					4.43	5.08	0.01	-2.5 to 2.5	Pass
				-30	3.85	7.84	0.01	-2.5 to 2.5	Pass
				-20	3.85	10.57	0.01	-2.5 to 2.5	Pass
				-10	3.85	13.23	0.02	-2.5 to 2.5	Pass
				0	3.85	16.94	0.02	-2.5 to 2.5	Pass
				10	3.85	19.75	0.03	-2.5 to 2.5	Pass
				30	3.85	24.49	0.03	-2.5 to 2.5	Pass
				40	3.85	28.52	0.04	-2.5 to 2.5	Pass
				50	3.85	32.99	0.04	-2.5 to 2.5	Pass



**BUREAU
VERITAS**

Test Report No.: W7L-P21100018-1RF06

B13_10MHZ TEST RESULT

Band: 13 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	782	50	0	20	3.27	7.94	0.01	-2.5 to 2.5	Pass
					3.85	10.21	0.01	-2.5 to 2.5	Pass
					4.43	12.27	0.02	-2.5 to 2.5	Pass
				-30	3.85	10.76	0.01	-2.5 to 2.5	Pass
				-20	3.85	2.27	0.00	-2.5 to 2.5	Pass
				-10	3.85	-2.38	-0.00	-2.5 to 2.5	Pass
				0	3.85	-6.59	-0.01	-2.5 to 2.5	Pass
				10	3.85	-13.12	-0.02	-2.5 to 2.5	Pass
				30	3.85	-19.67	-0.03	-2.5 to 2.5	Pass
				40	3.85	-25.22	-0.03	-2.5 to 2.5	Pass
16QAM	782	50	0	20	3.27	-33.73	-0.04	-2.5 to 2.5	Pass
					3.85	-36.75	-0.05	-2.5 to 2.5	Pass
					4.43	-38.52	-0.05	-2.5 to 2.5	Pass
				-30	3.85	-39.37	-0.05	-2.5 to 2.5	Pass
				-20	3.85	-40.00	-0.05	-2.5 to 2.5	Pass
				-10	3.85	-39.04	-0.05	-2.5 to 2.5	Pass
				0	3.85	-38.42	-0.05	-2.5 to 2.5	Pass
				10	3.85	-37.31	-0.05	-2.5 to 2.5	Pass
				30	3.85	-38.08	-0.05	-2.5 to 2.5	Pass
				40	3.85	-36.91	-0.05	-2.5 to 2.5	Pass
64QAM	782	50	0	20	3.27	-33.46	-0.04	-2.5 to 2.5	Pass
					3.85	-30.90	-0.04	-2.5 to 2.5	Pass
					4.43	-25.98	-0.03	-2.5 to 2.5	Pass
				-30	3.85	-21.52	-0.03	-2.5 to 2.5	Pass
				-20	3.85	-17.91	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-15.89	-0.02	-2.5 to 2.5	Pass
				0	3.85	-9.81	-0.01	-2.5 to 2.5	Pass
				10	3.85	-6.28	-0.01	-2.5 to 2.5	Pass
				30	3.85	-0.36	-0.00	-2.5 to 2.5	Pass
				40	3.85	3.62	0.00	-2.5 to 2.5	Pass
64QAM	782	50	0	20	3.27	7.87	0.01	-2.5 to 2.5	Pass
					3.85	7.87	0.01	-2.5 to 2.5	Pass
					4.43	12.27	0.02	-2.5 to 2.5	Pass
				-30	3.85	10.76	0.01	-2.5 to 2.5	Pass
				-20	3.85	2.27	0.00	-2.5 to 2.5	Pass
				-10	3.85	-2.38	-0.00	-2.5 to 2.5	Pass
				0	3.85	-6.59	-0.01	-2.5 to 2.5	Pass
				10	3.85	-13.12	-0.02	-2.5 to 2.5	Pass
				30	3.85	-19.67	-0.03	-2.5 to 2.5	Pass
				40	3.85	-25.22	-0.03	-2.5 to 2.5	Pass



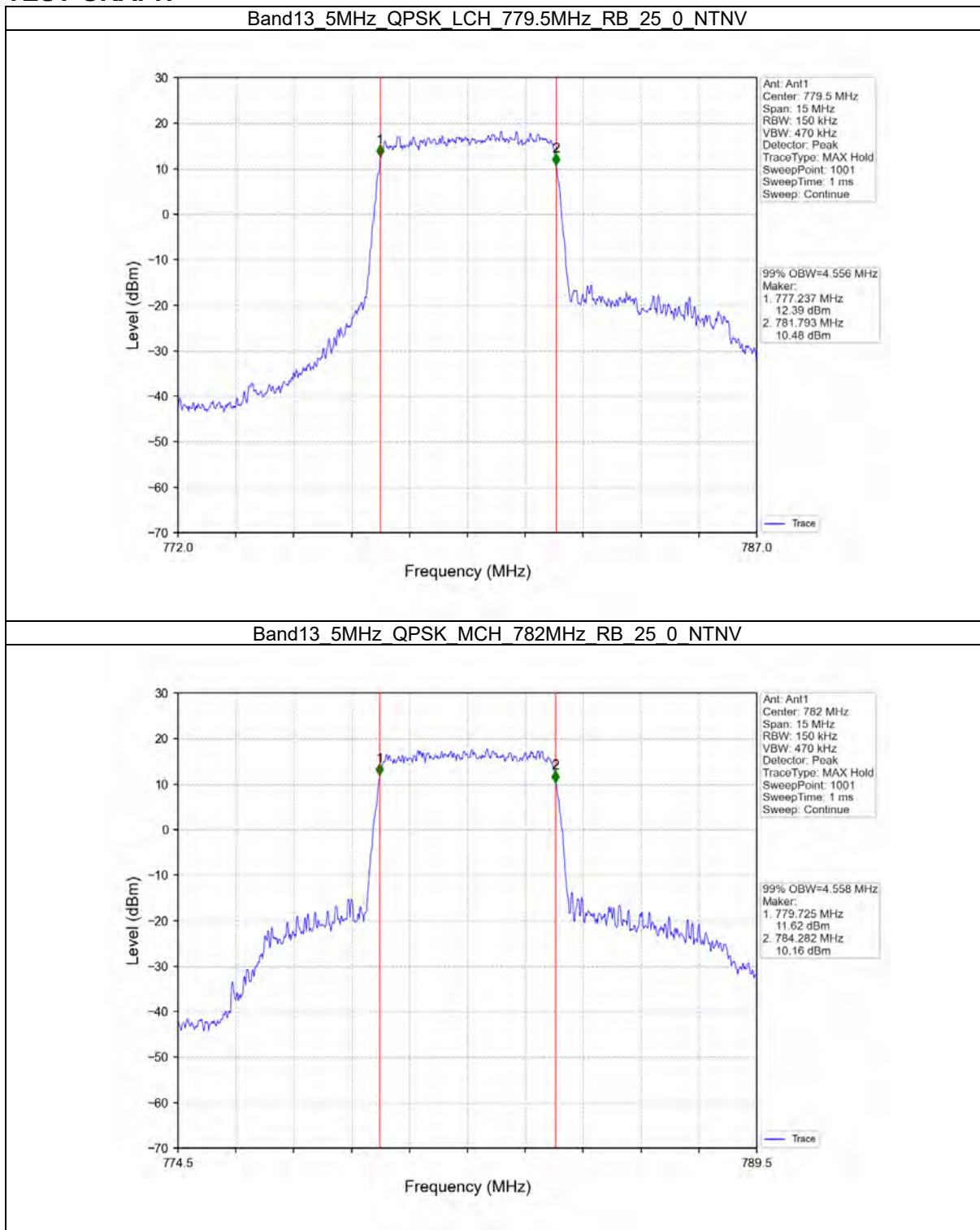
**BUREAU
VERITAS**

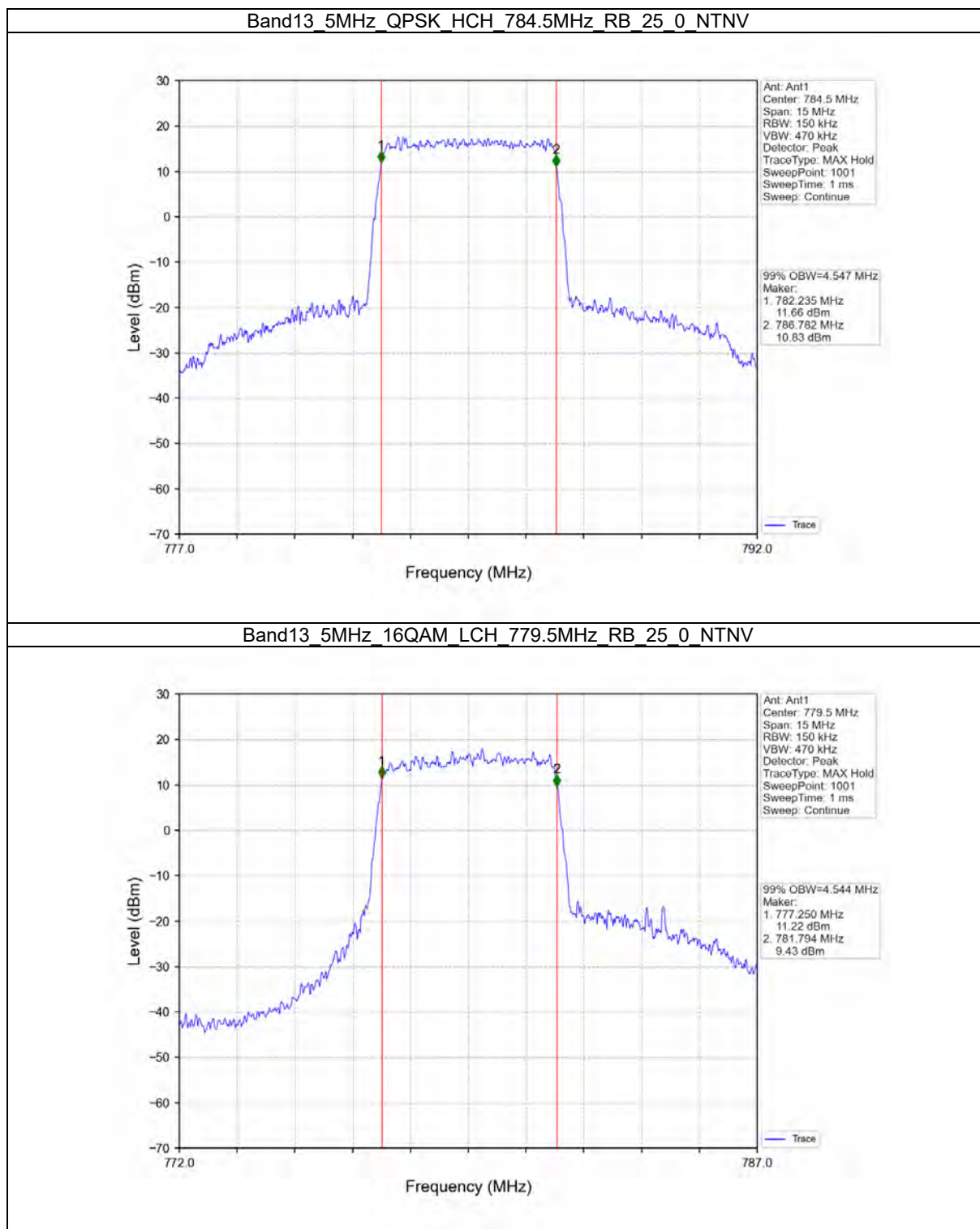
Test Report No.: W7L-P21100018-1RF06

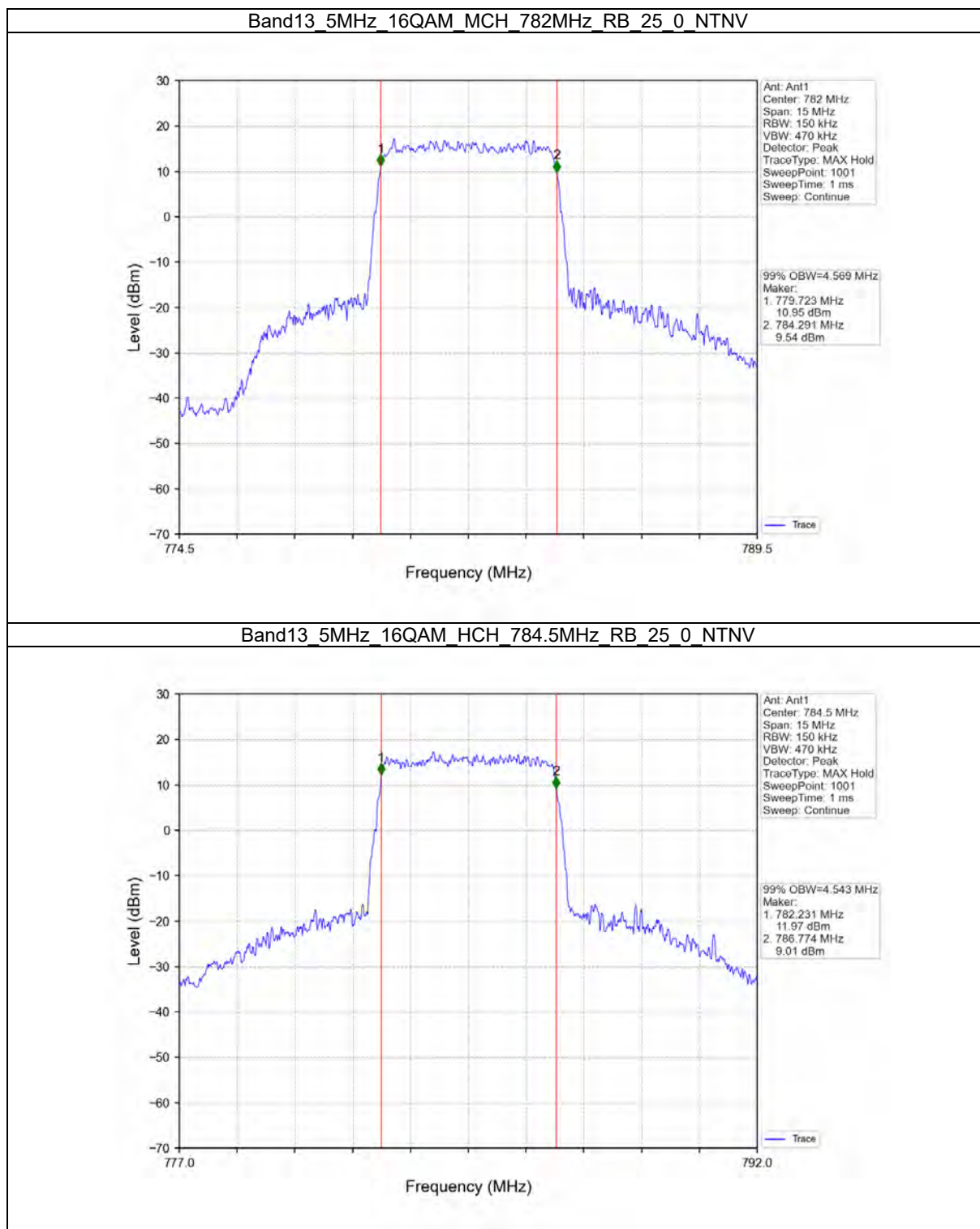
99% & 26DB BANDWIDTH 99%_OBW TEST RESULT

Band: 13 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset		
5	QPSK	779.5	25	0	4.556	Pass
		782	25	0	4.558	Pass
		784.5	25	0	4.547	Pass
	16QAM	779.5	25	0	4.544	Pass
		782	25	0	4.569	Pass
		784.5	25	0	4.543	Pass
	64QAM	779.5	25	0	4.538	Pass
		782	25	0	4.555	Pass
		784.5	25	0	4.552	Pass
10	QPSK	782	50	0	9.039	Pass
	16QAM	782	50	0	9.038	Pass
	64QAM	782	50	0	9.041	Pass

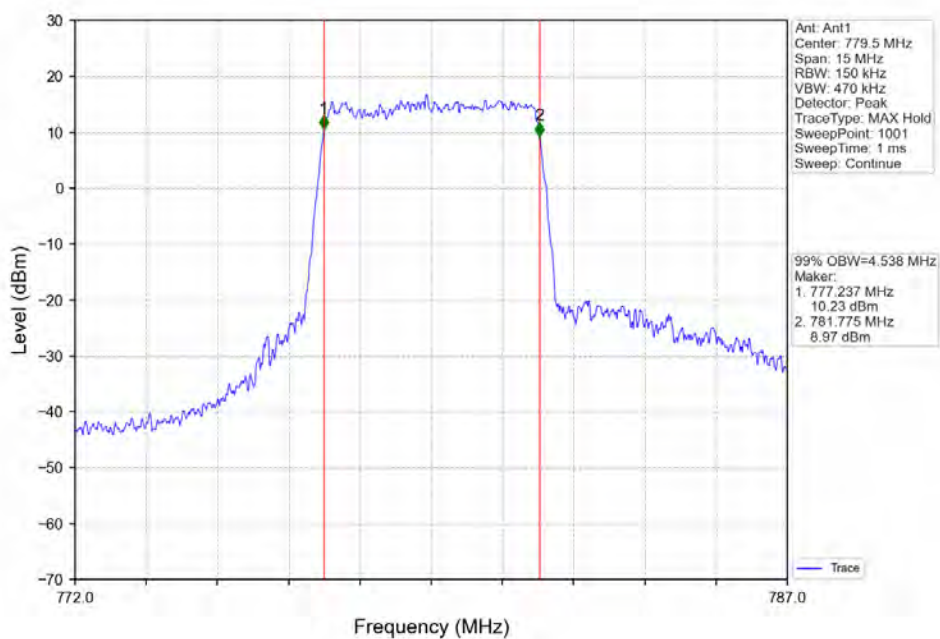
TEST GRAPH



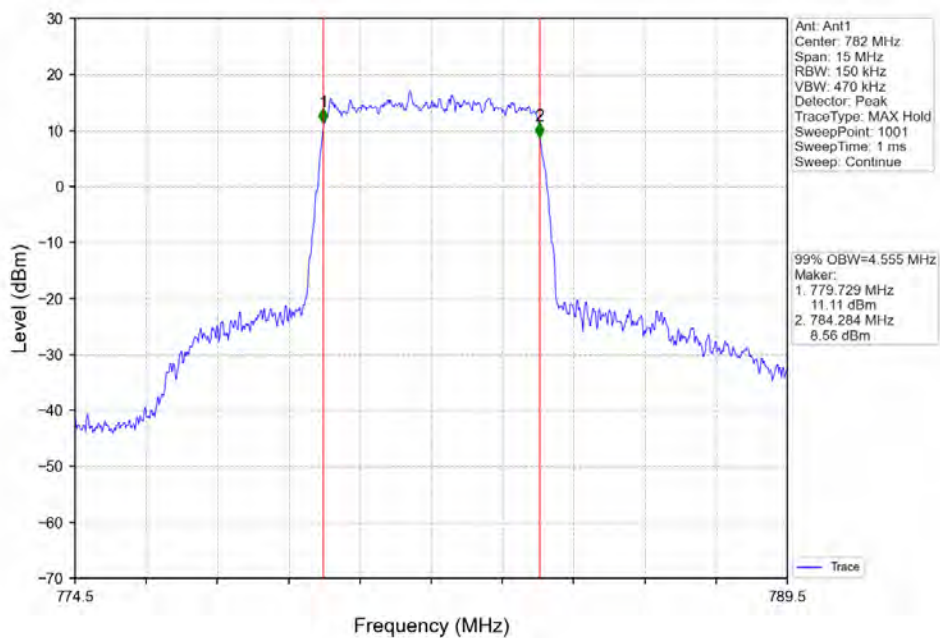




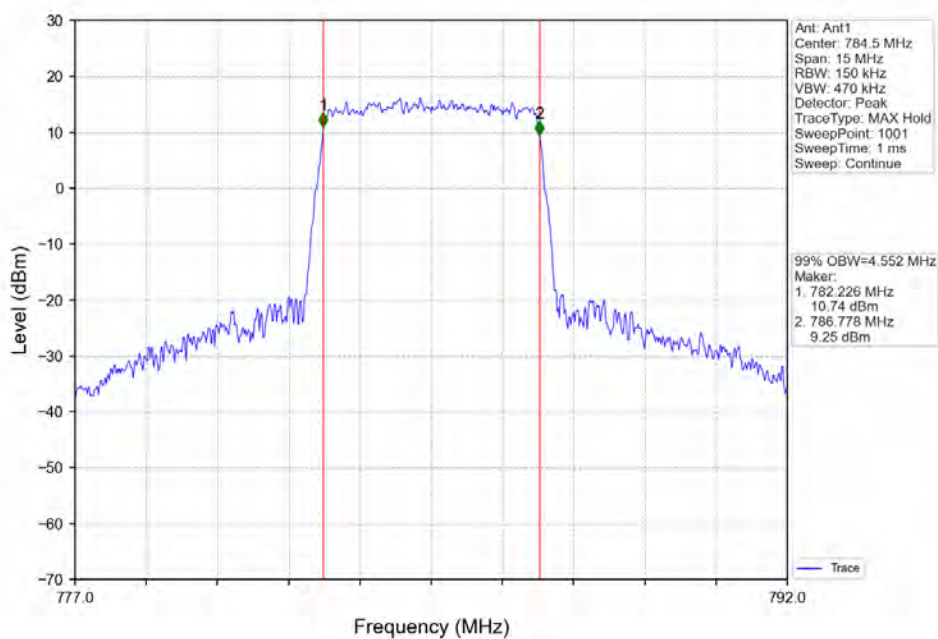
Band13_5MHz_64QAM_LCH_779.5MHz_RB_25_0_NTNV



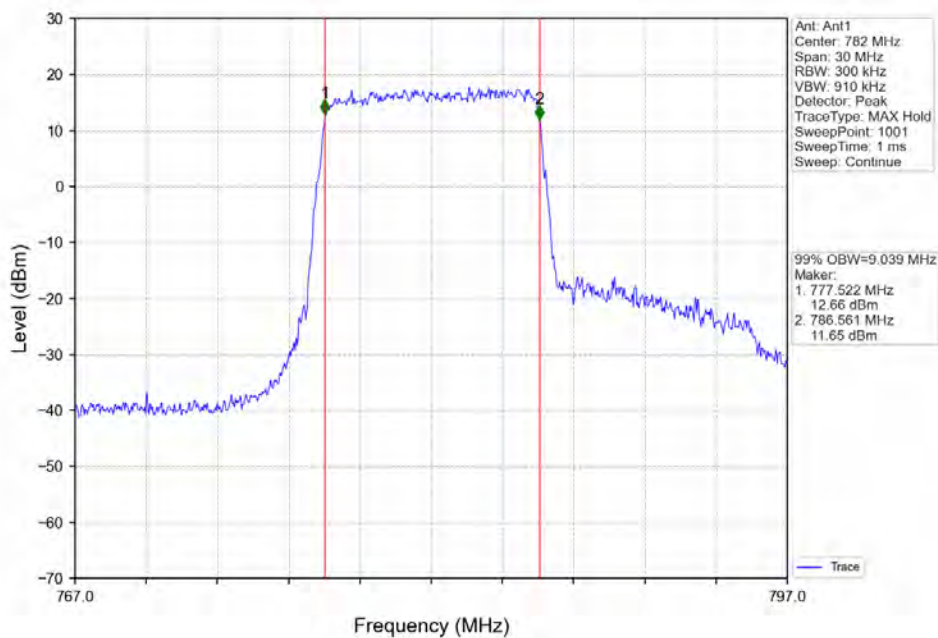
Band13_5MHz_64QAM_MCH_782MHz_RB_25_0_NTNV



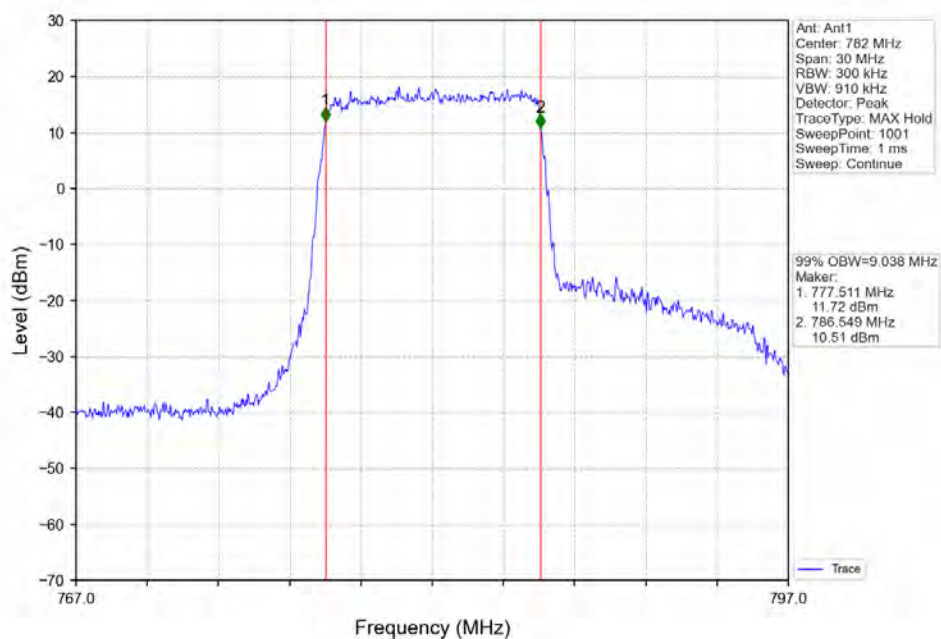
Band13_5MHz_64QAM_HCH_784.5MHz_RB_25_0_NTNV



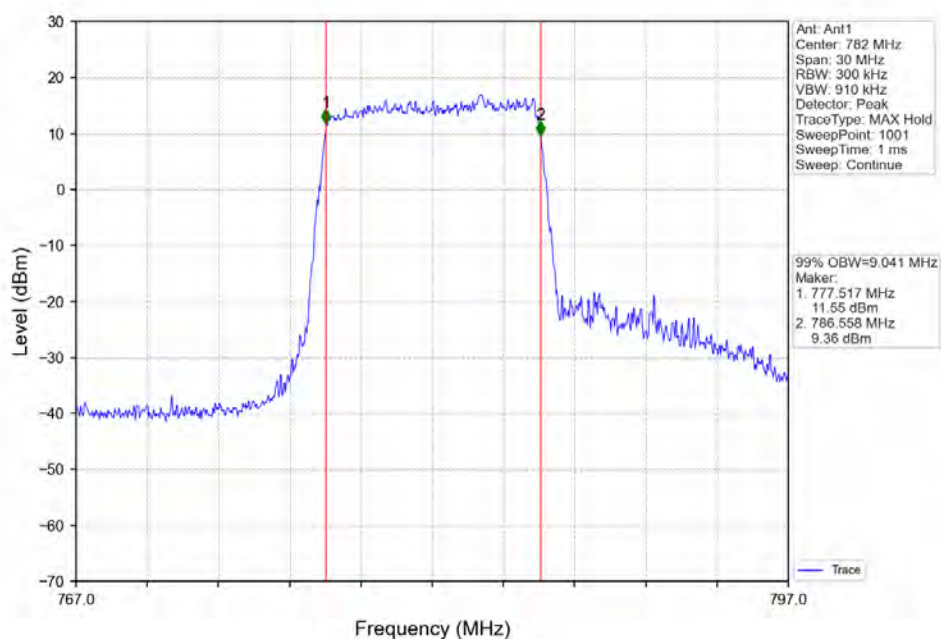
Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



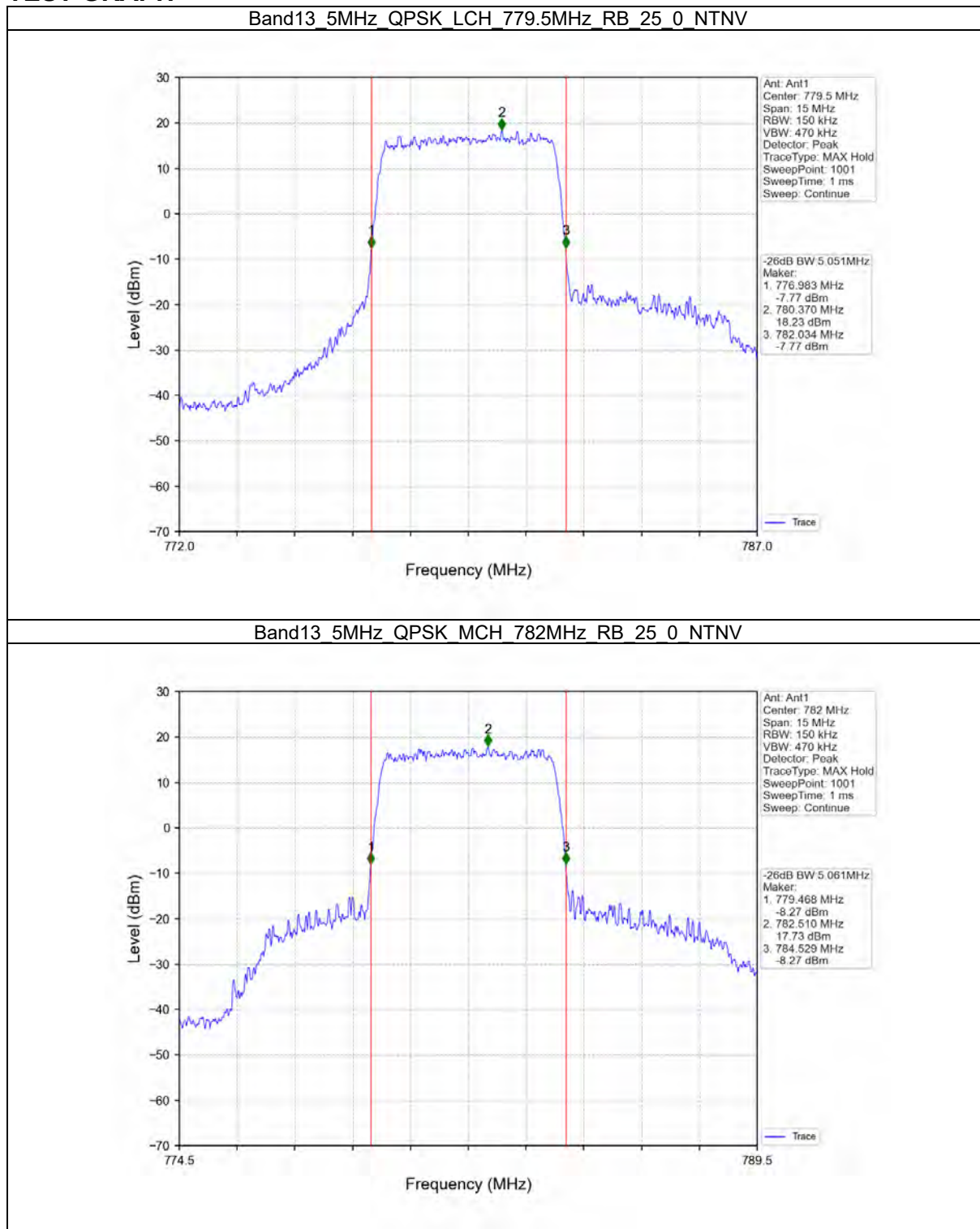
Band13_10MHz_64QAM_MCH_782MHz_RB_50_0_NTNV

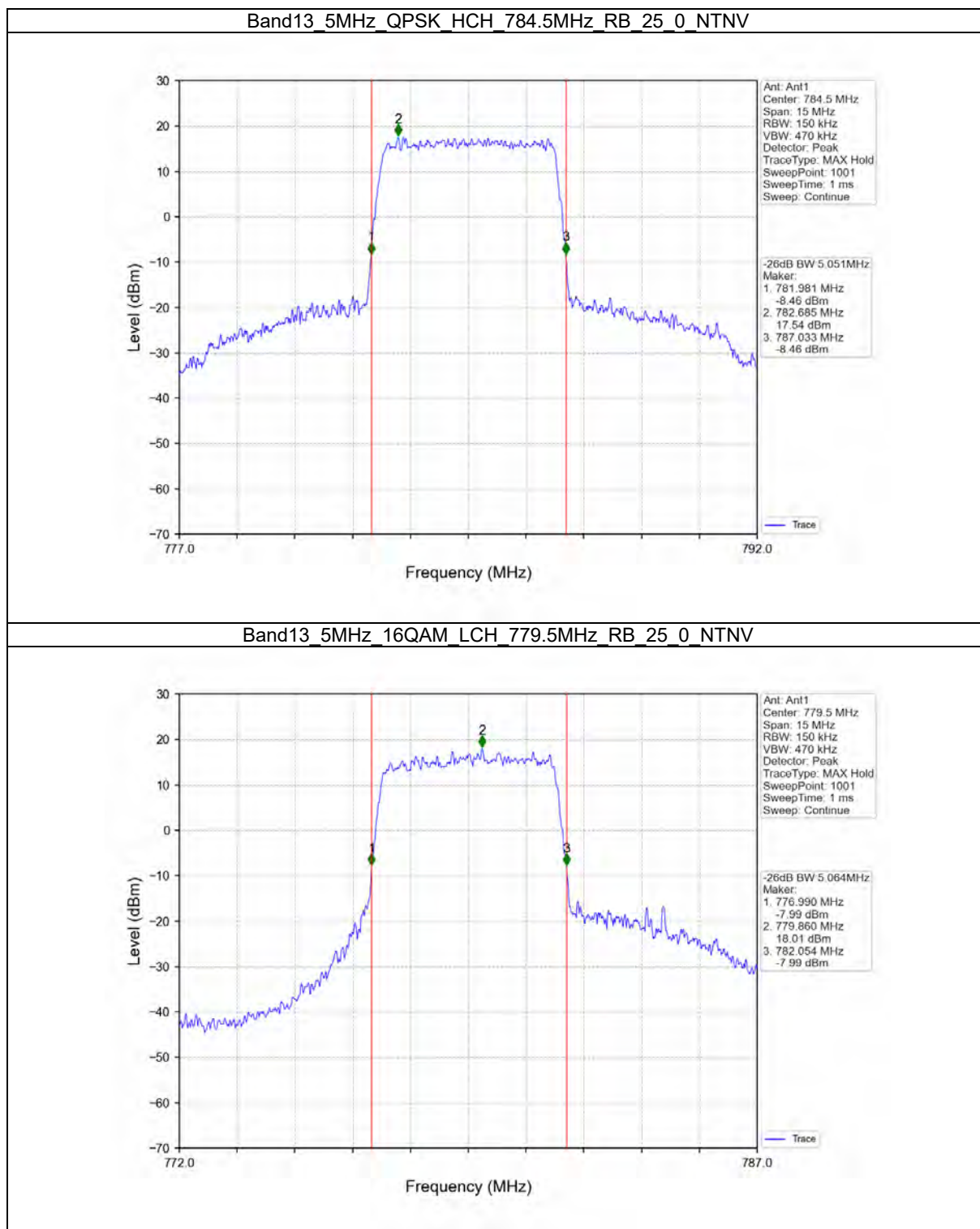


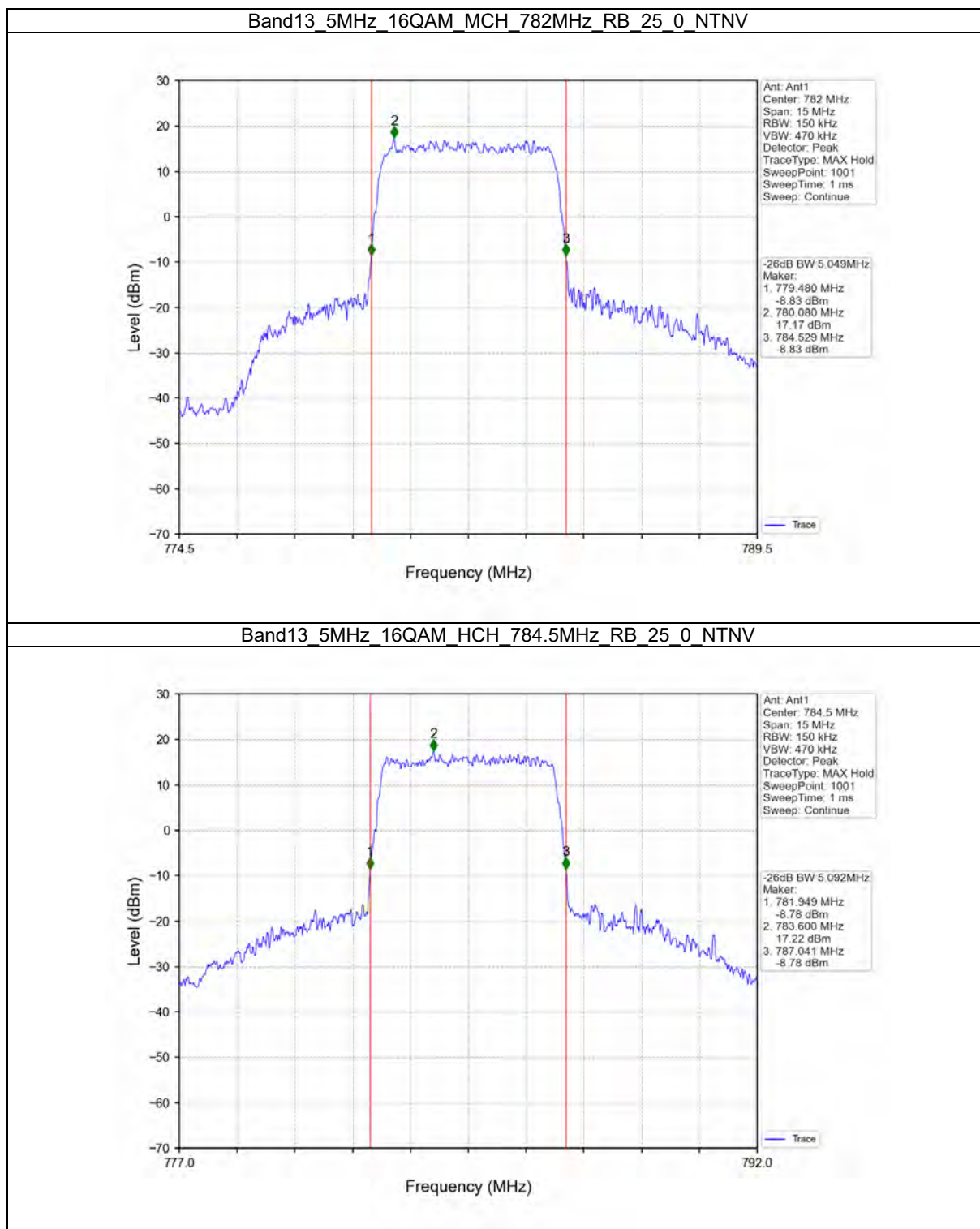
26DB_OBW TEST RESULT

Band: 13 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	779.5	25	0	5.051	Pass
		782	25	0	5.061	Pass
		784.5	25	0	5.051	Pass
	16QAM	779.5	25	0	5.064	Pass
		782	25	0	5.049	Pass
		784.5	25	0	5.092	Pass
	64QAM	779.5	25	0	5.008	Pass
		782	25	0	5.039	Pass
10	QPSK	782	50	0	10.056	Pass
	16QAM	782	50	0	10.043	Pass
	64QAM	782	50	0	10.008	Pass

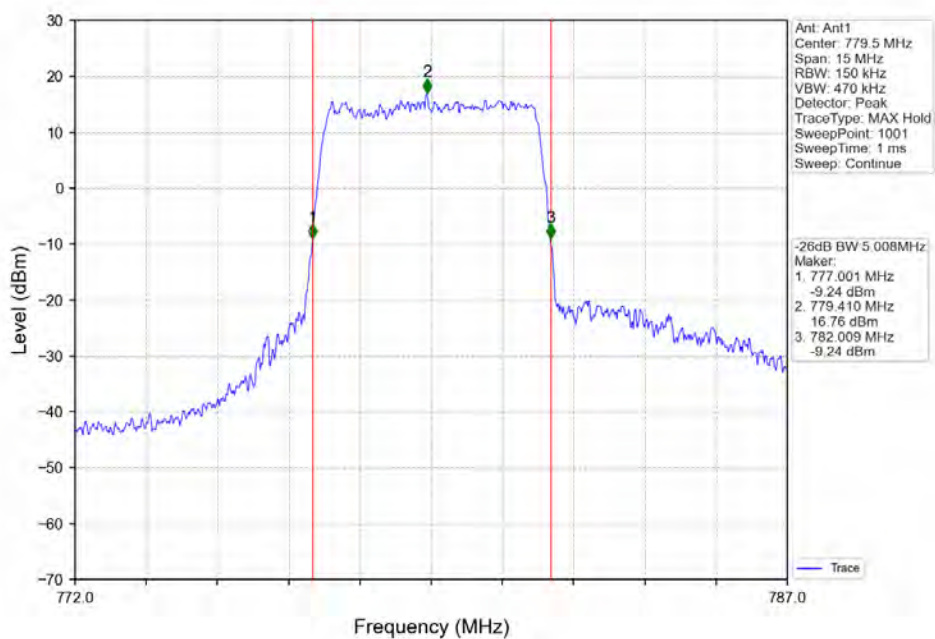
TEST GRAPH



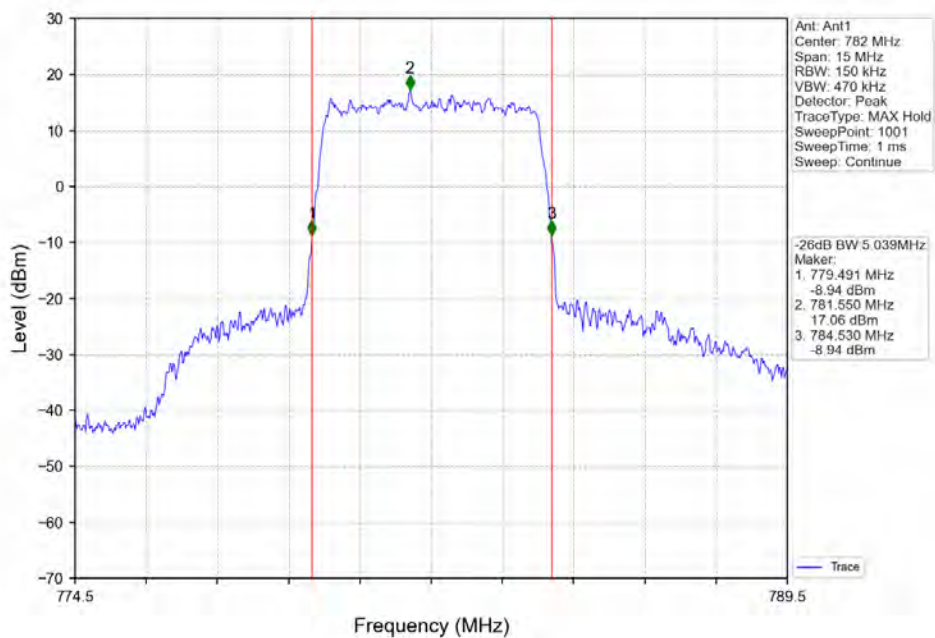




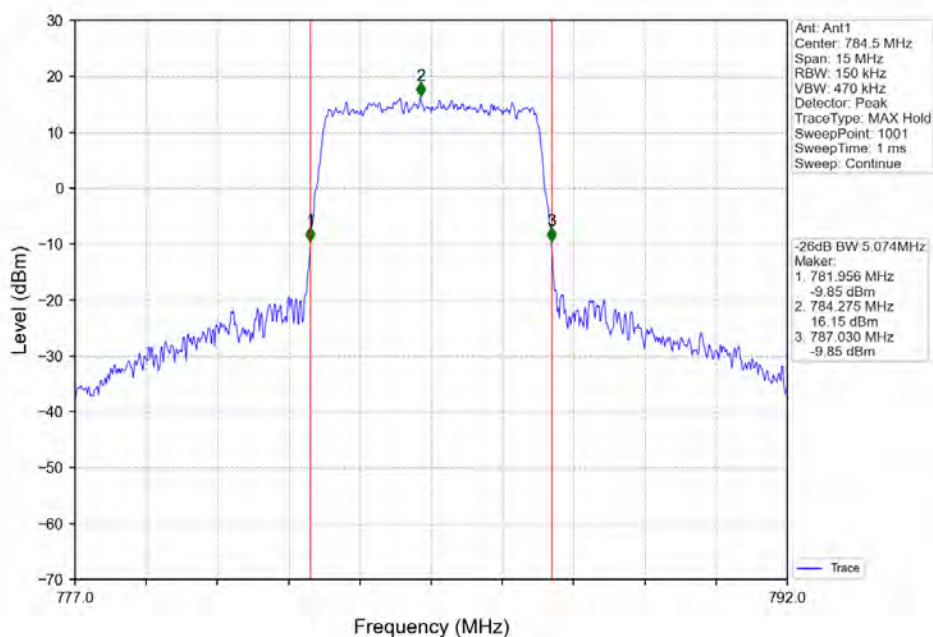
Band13_5MHz_64QAM_LCH_779.5MHz_RB_25_0_NTNV



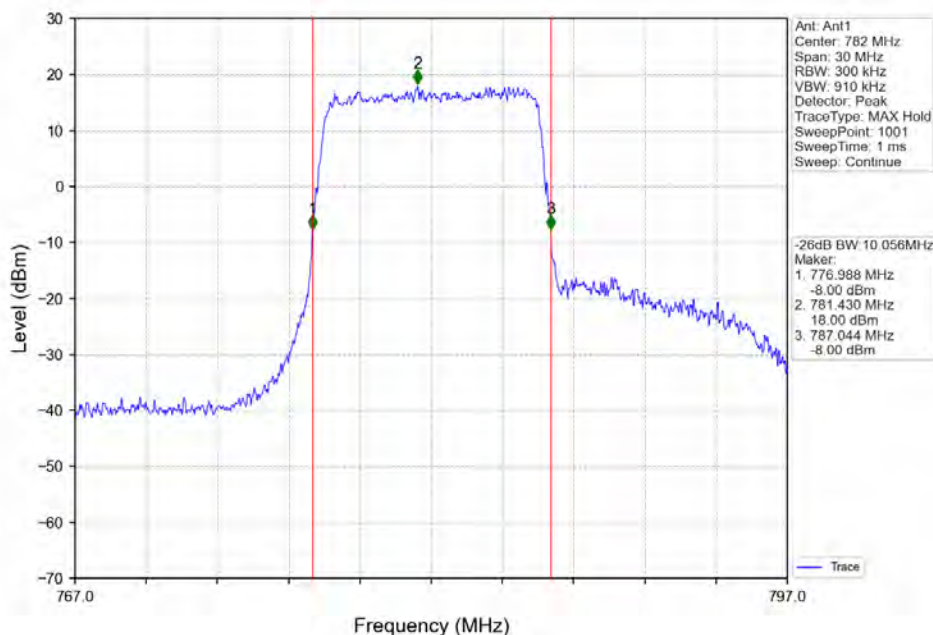
Band13_5MHz_64QAM_MCH_782MHz_RB_25_0_NTNV



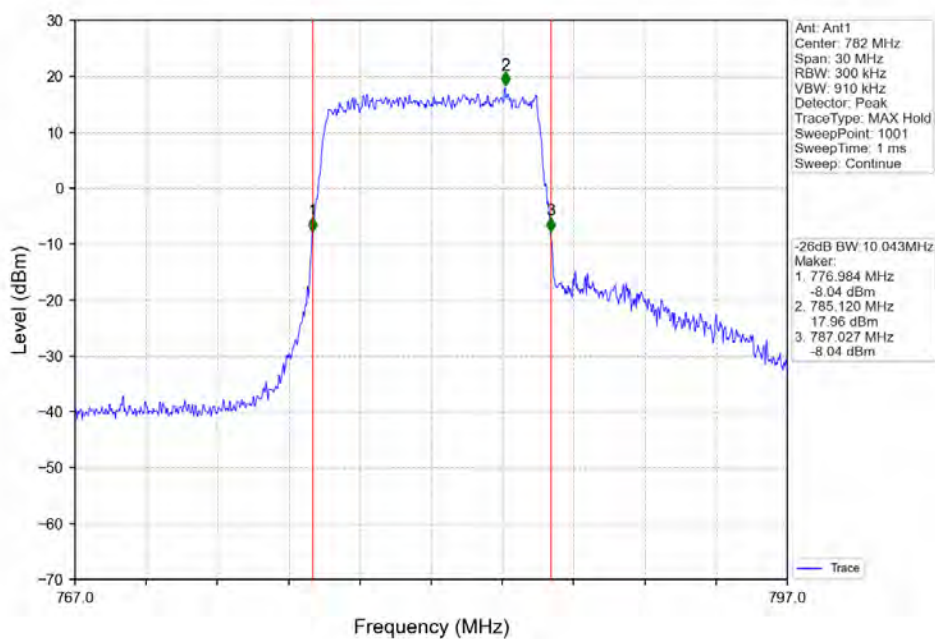
Band13_5MHz_64QAM_HCH_784.5MHz_RB_25_0_NTNV



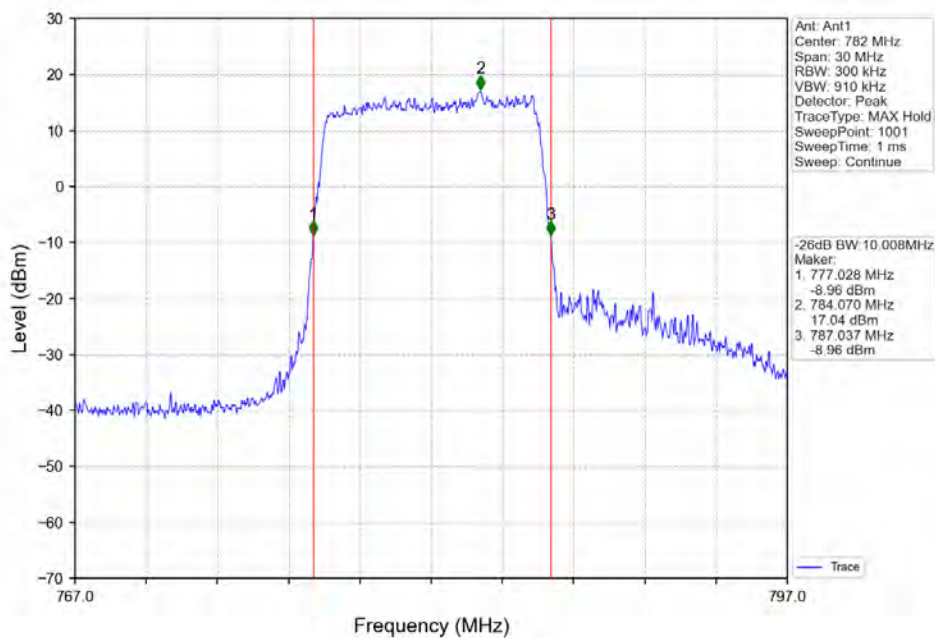
Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV



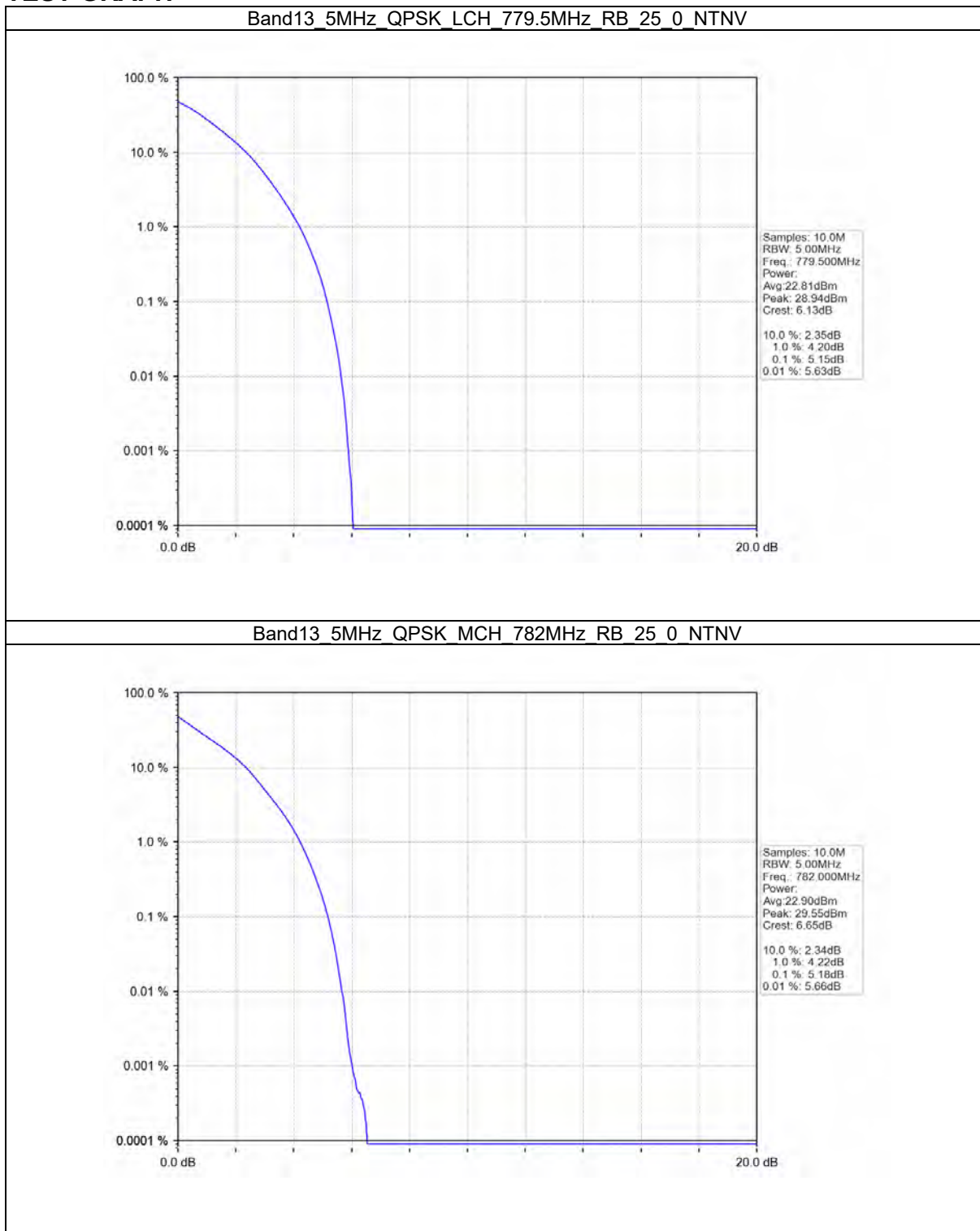
Band13_10MHz_64QAM_MCH_782MHz_RB_50_0_NTNV

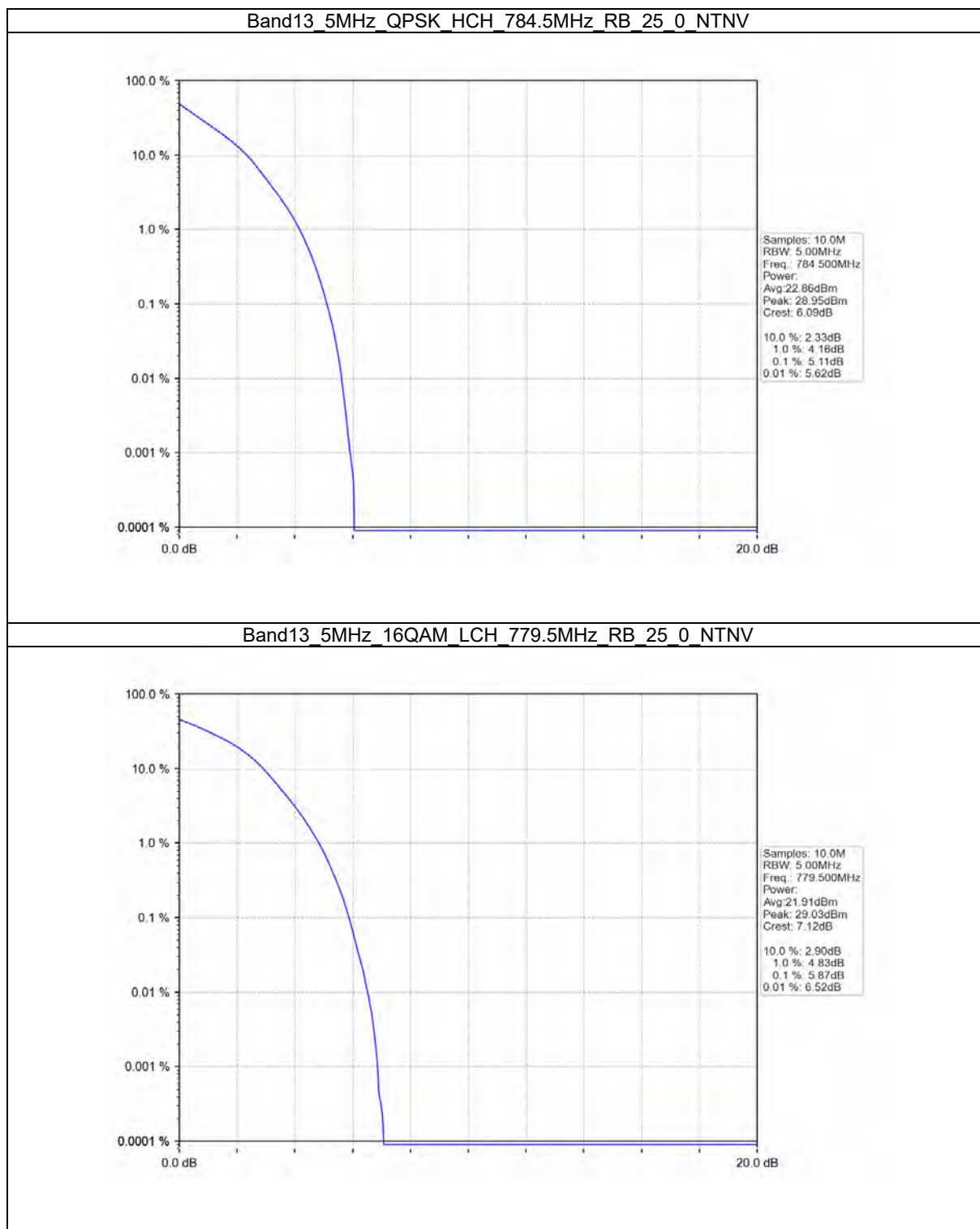


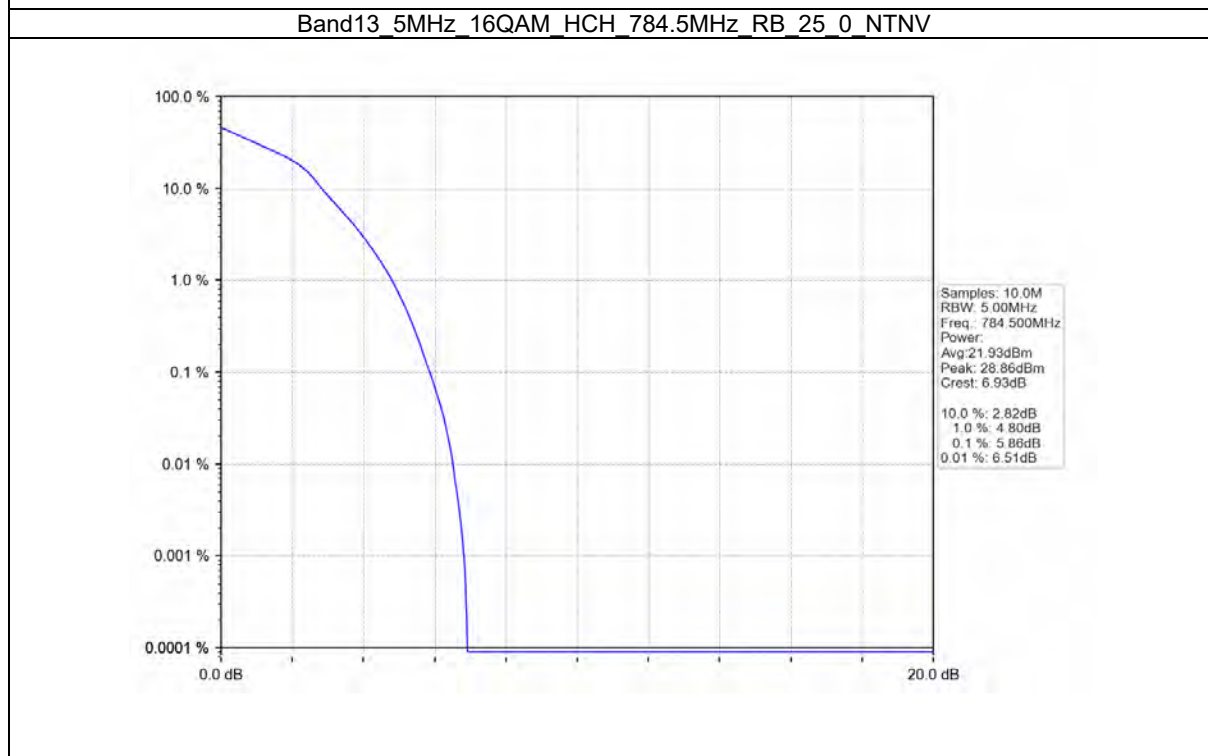
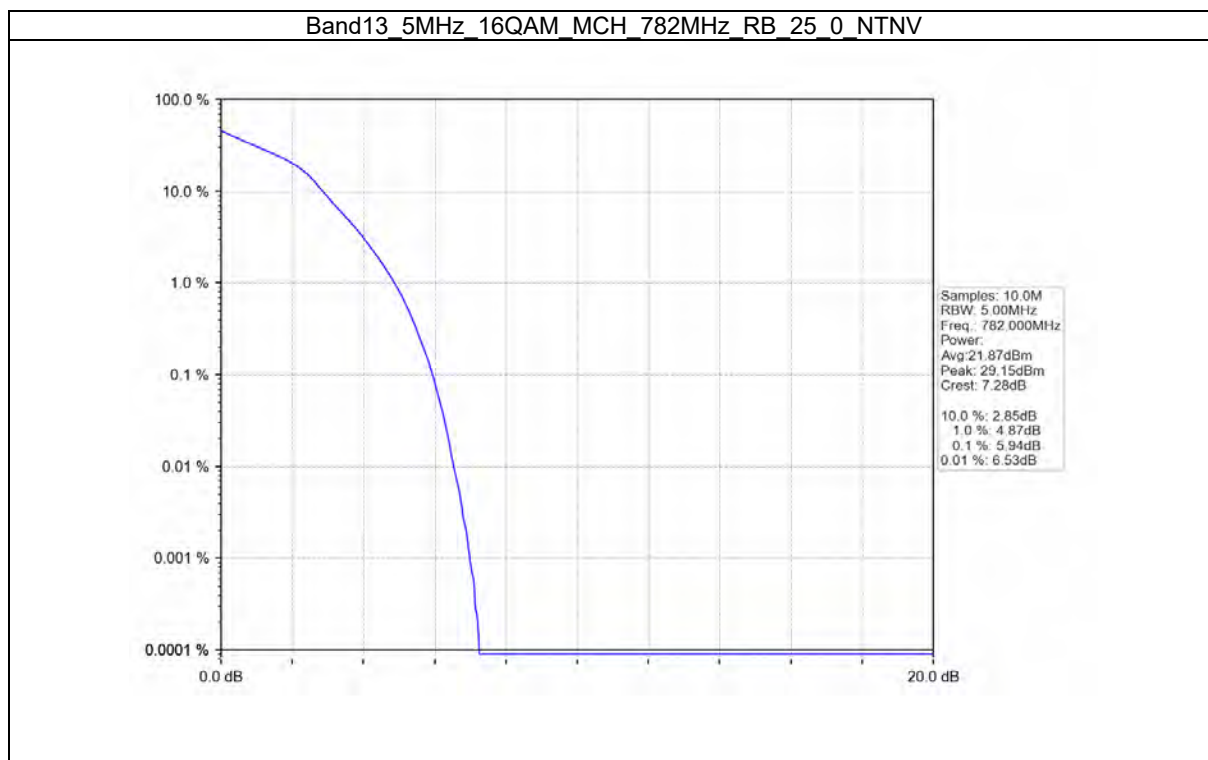
PEAK-AVERAGE RATIO B13_5MHZ TEST RESULT

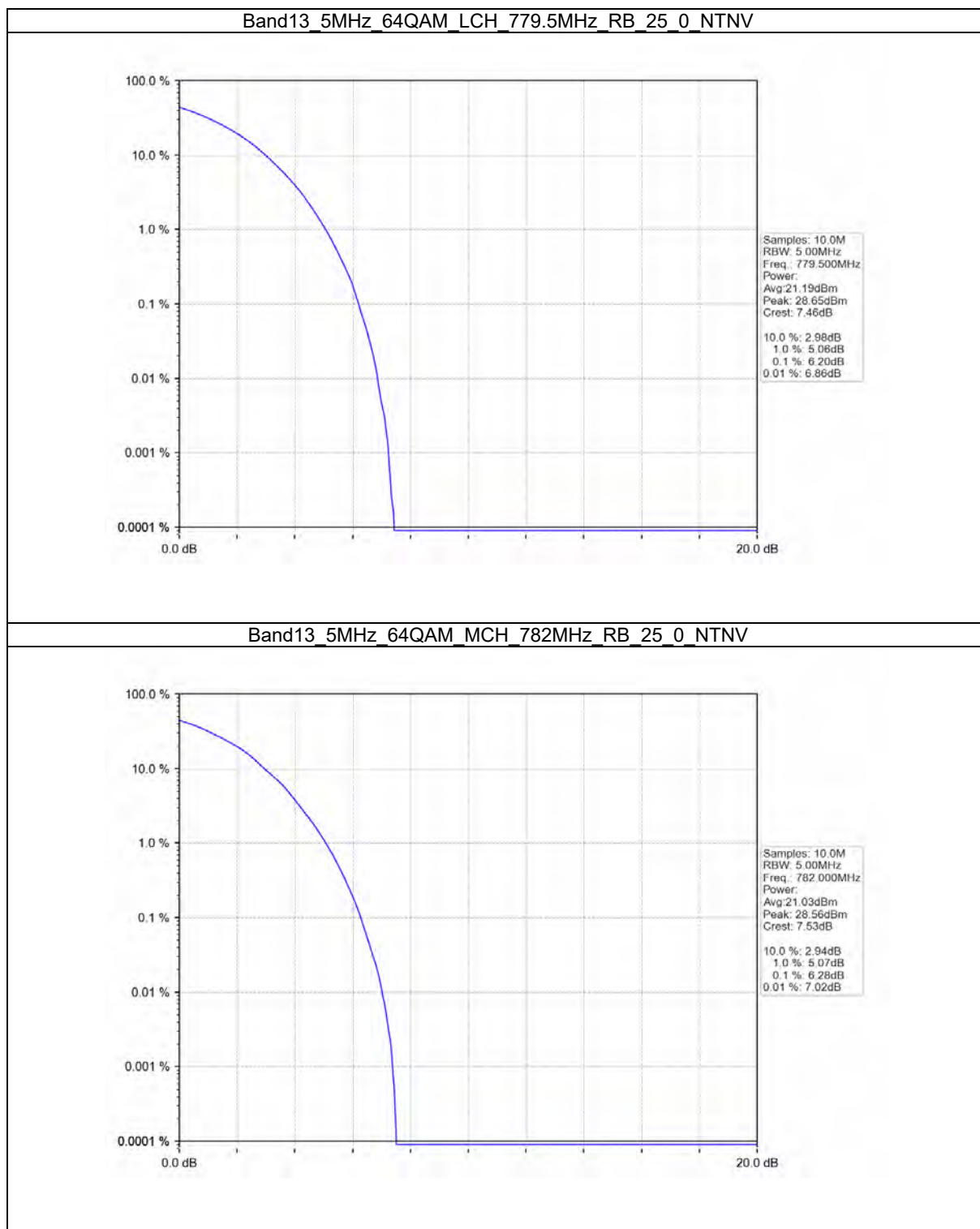
Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.15	<=13	Pass
	782	25	0	5.18	<=13	Pass
	784.5	25	0	5.11	<=13	Pass
16QAM	779.5	25	0	5.87	<=13	Pass
	782	25	0	5.94	<=13	Pass
	784.5	25	0	5.86	<=13	Pass
64QAM	779.5	25	0	6.20	<=13	Pass
	782	25	0	6.28	<=13	Pass
	784.5	25	0	6.25	<=13	Pass

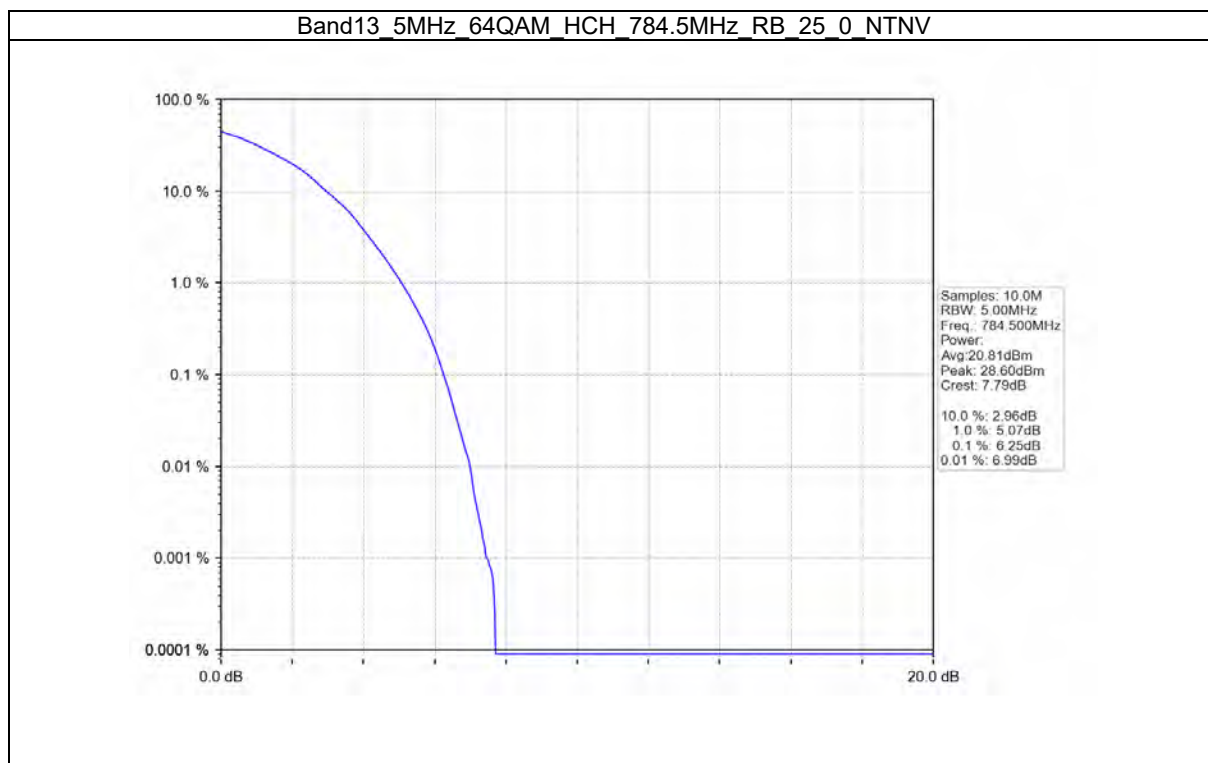
TEST GRAPH











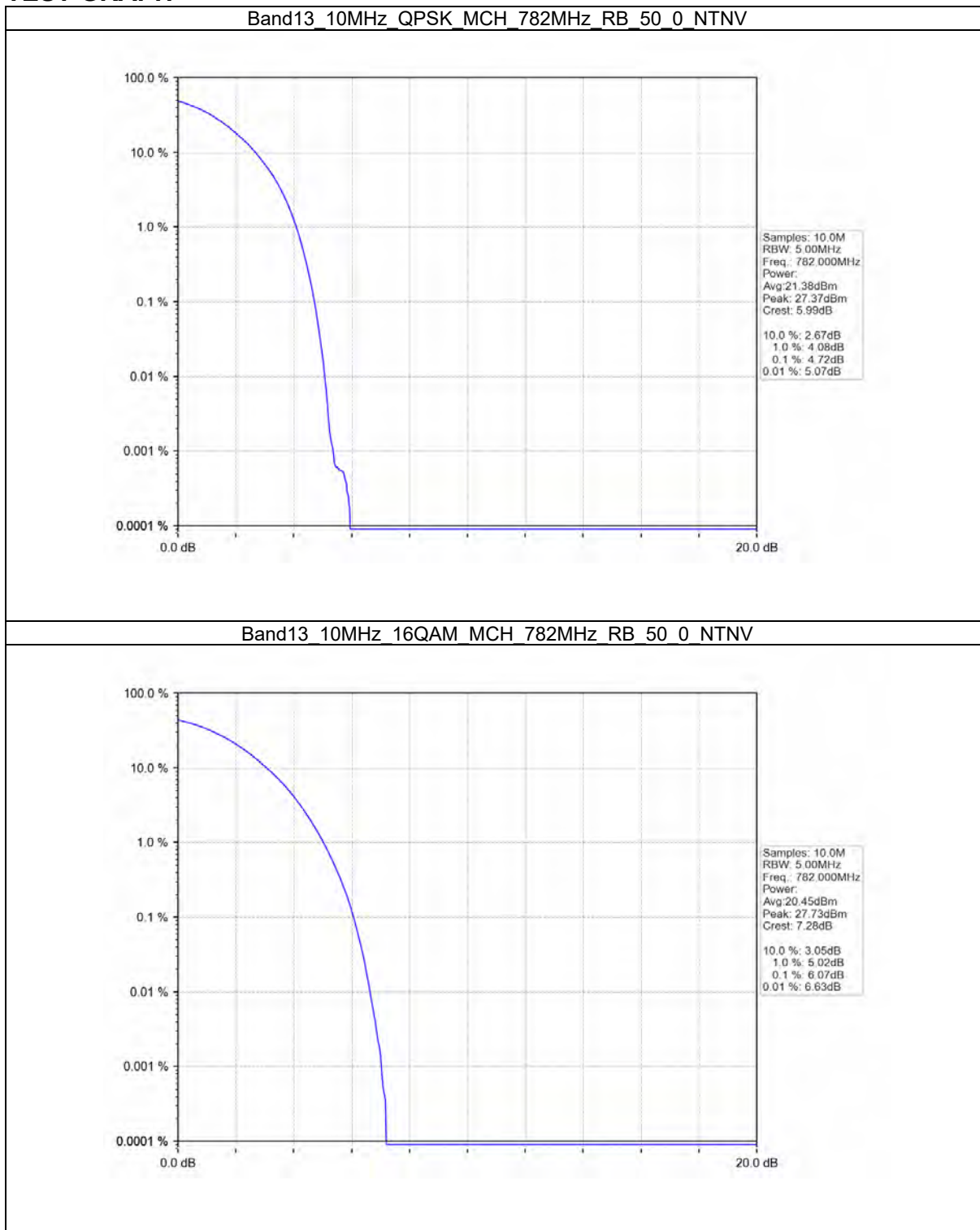


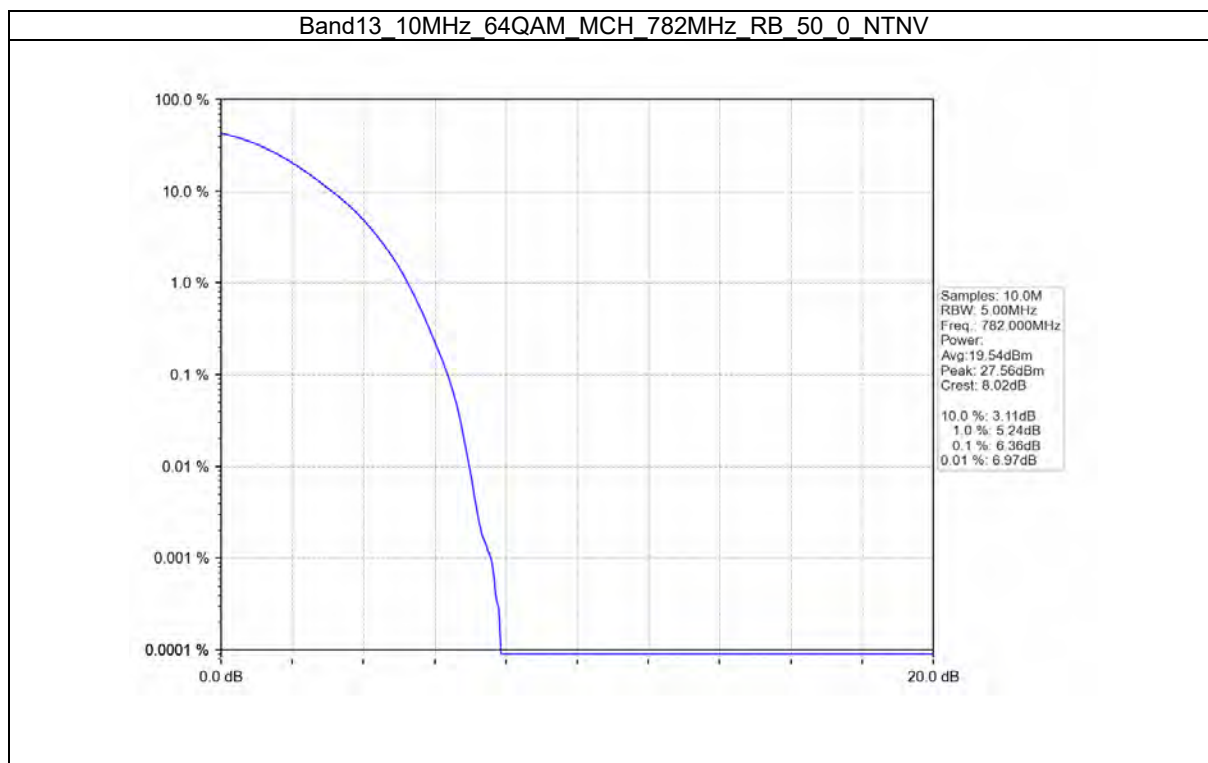
Test Report No.: W7L-P21100018-1RF06

B13_10MHZ TEST RESULT

Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	4.72	<=13	Pass
16QAM	782	50	0	6.07	<=13	Pass
64QAM	782	50	0	6.36	<=13	Pass

TEST GRAPH

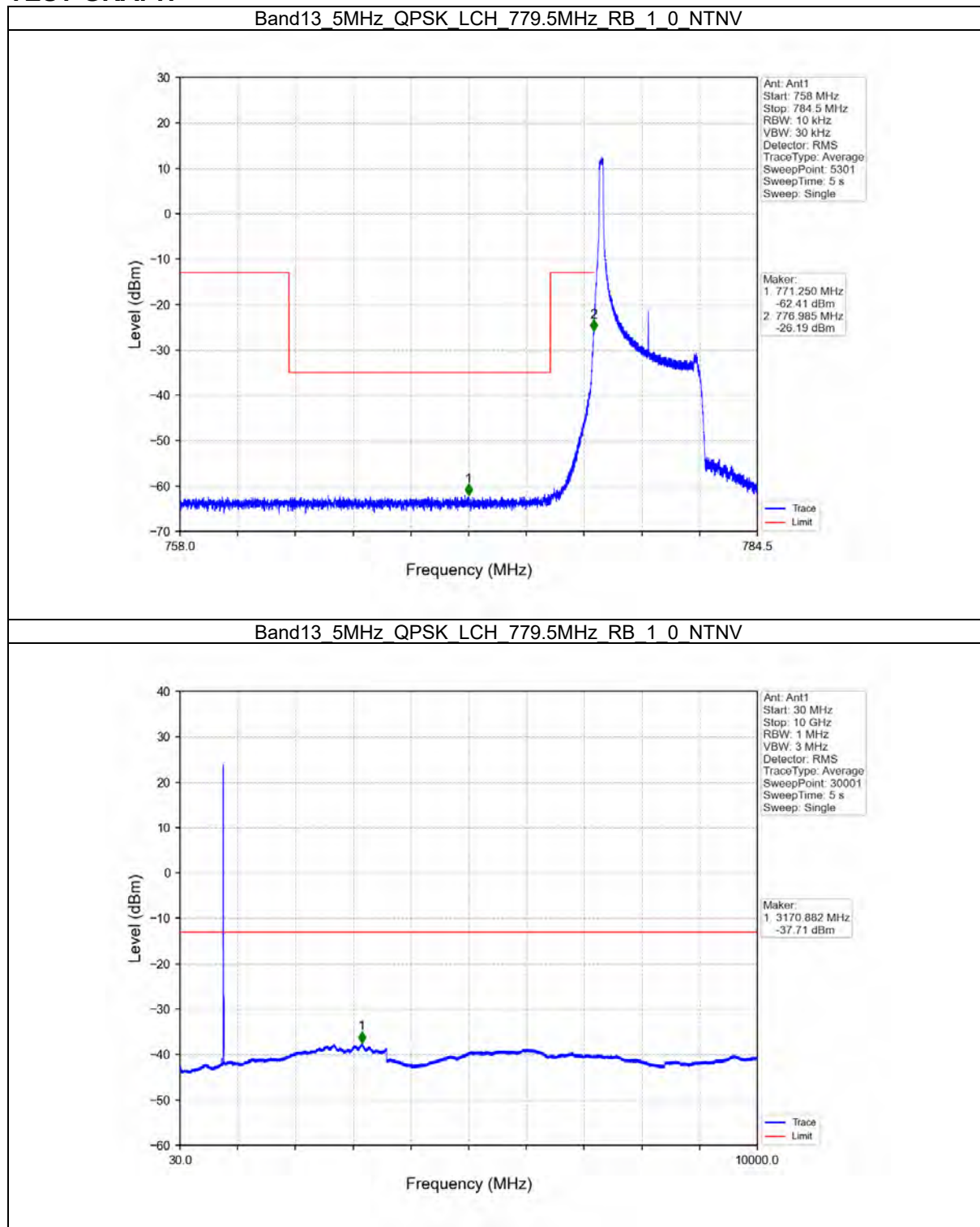


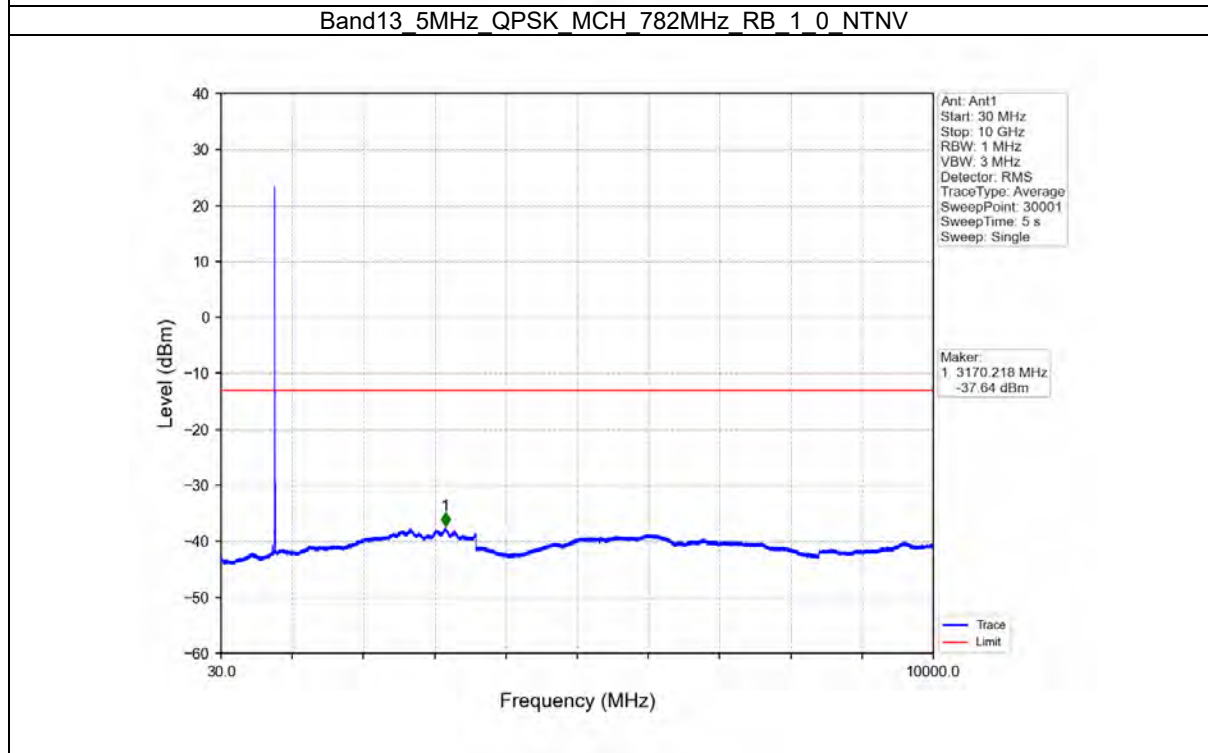
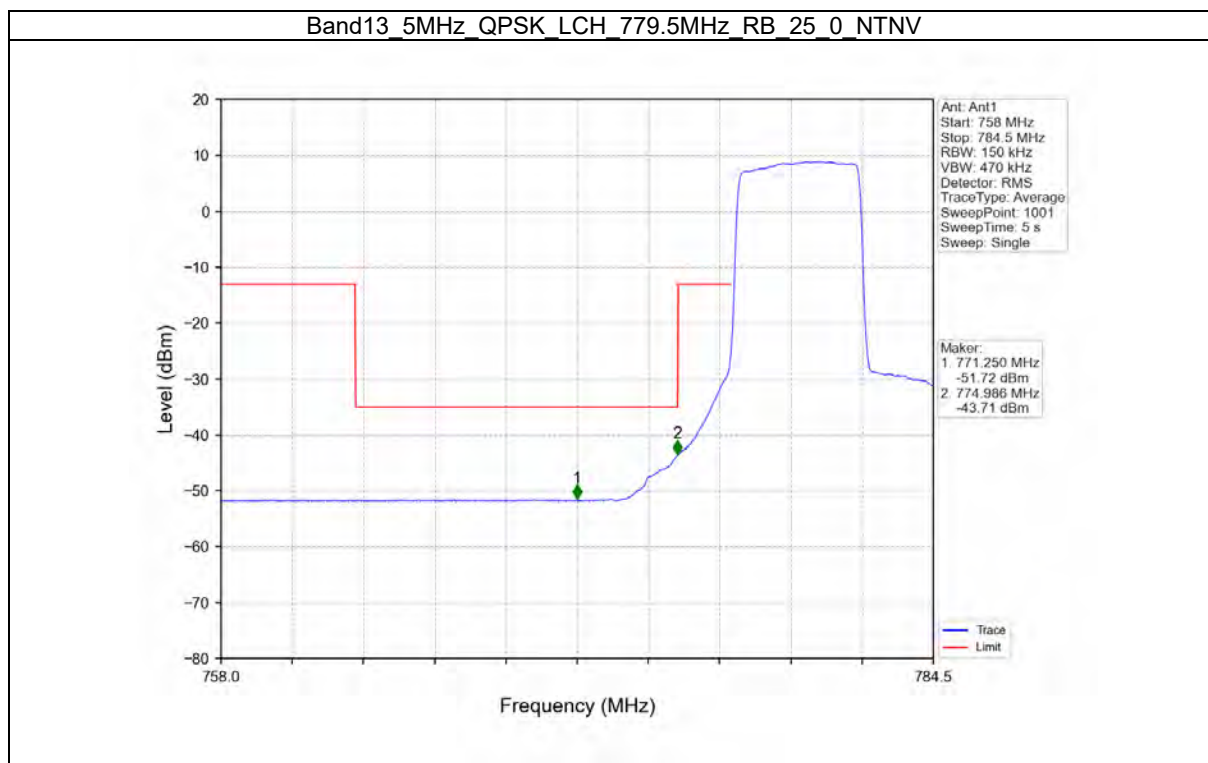


SPURIOUS EMISSION B13_5MHZ TEST RESULT

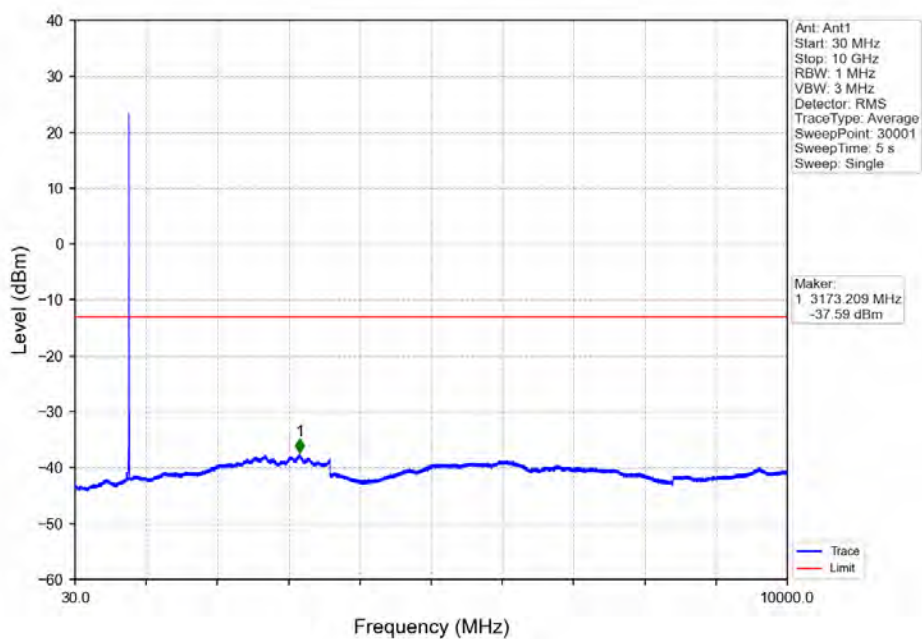
Band: 13 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	779.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	782	1	0	Refer To Test Graph	Pass
	784.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	779.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	782	1	0	Refer To Test Graph	Pass
	784.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
64QAM	779.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	782	1	0	Refer To Test Graph	Pass
	784.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

TEST GRAPH

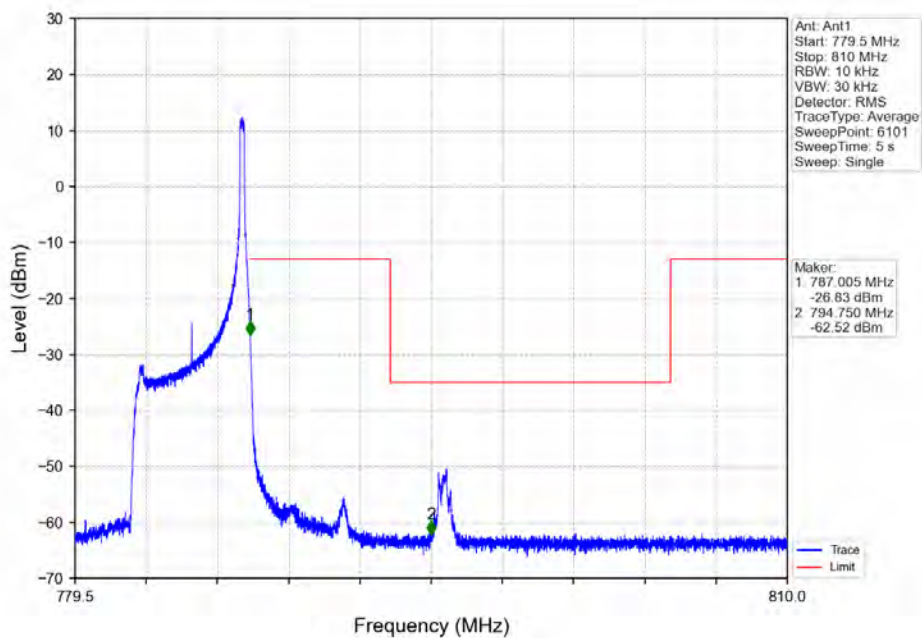


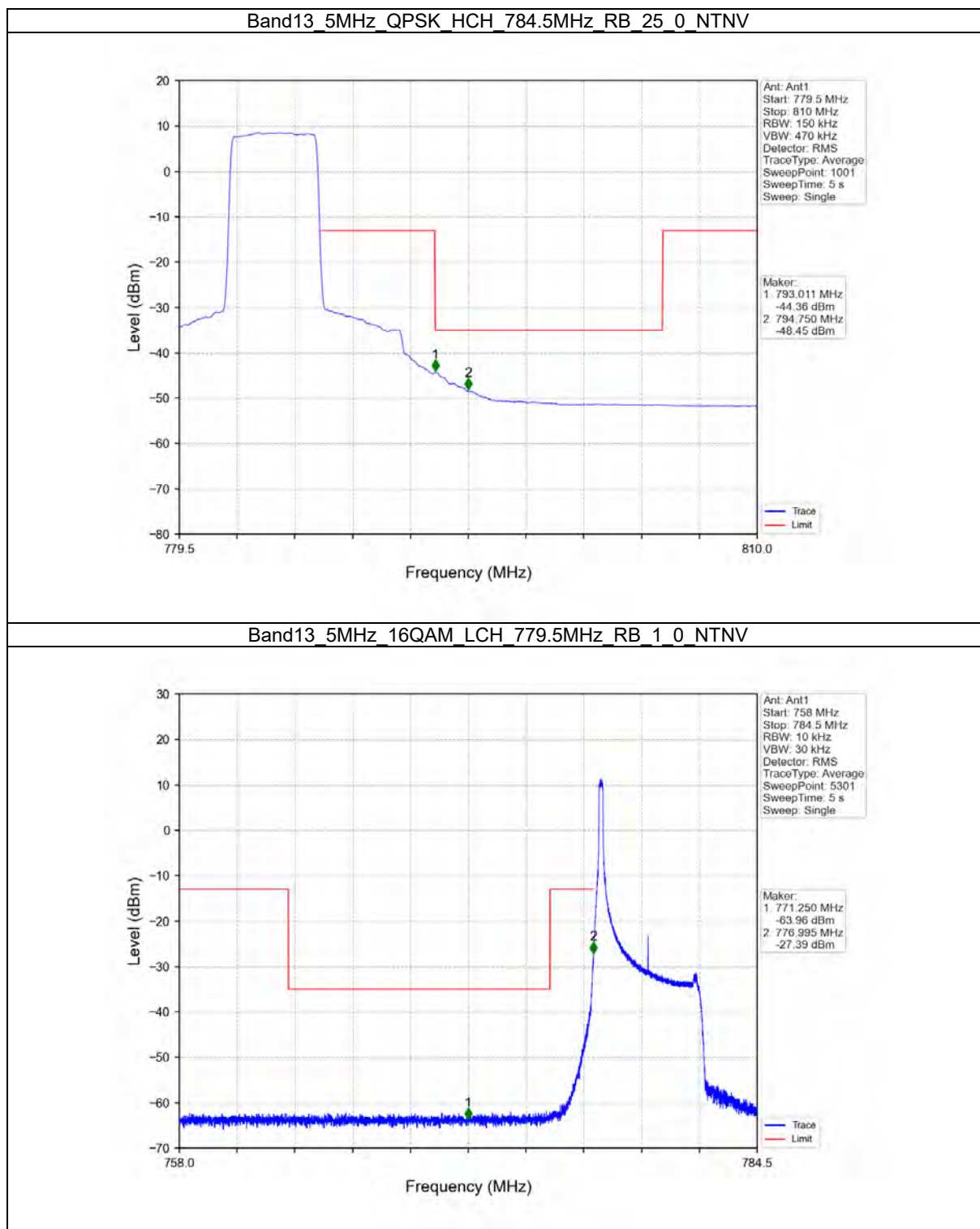


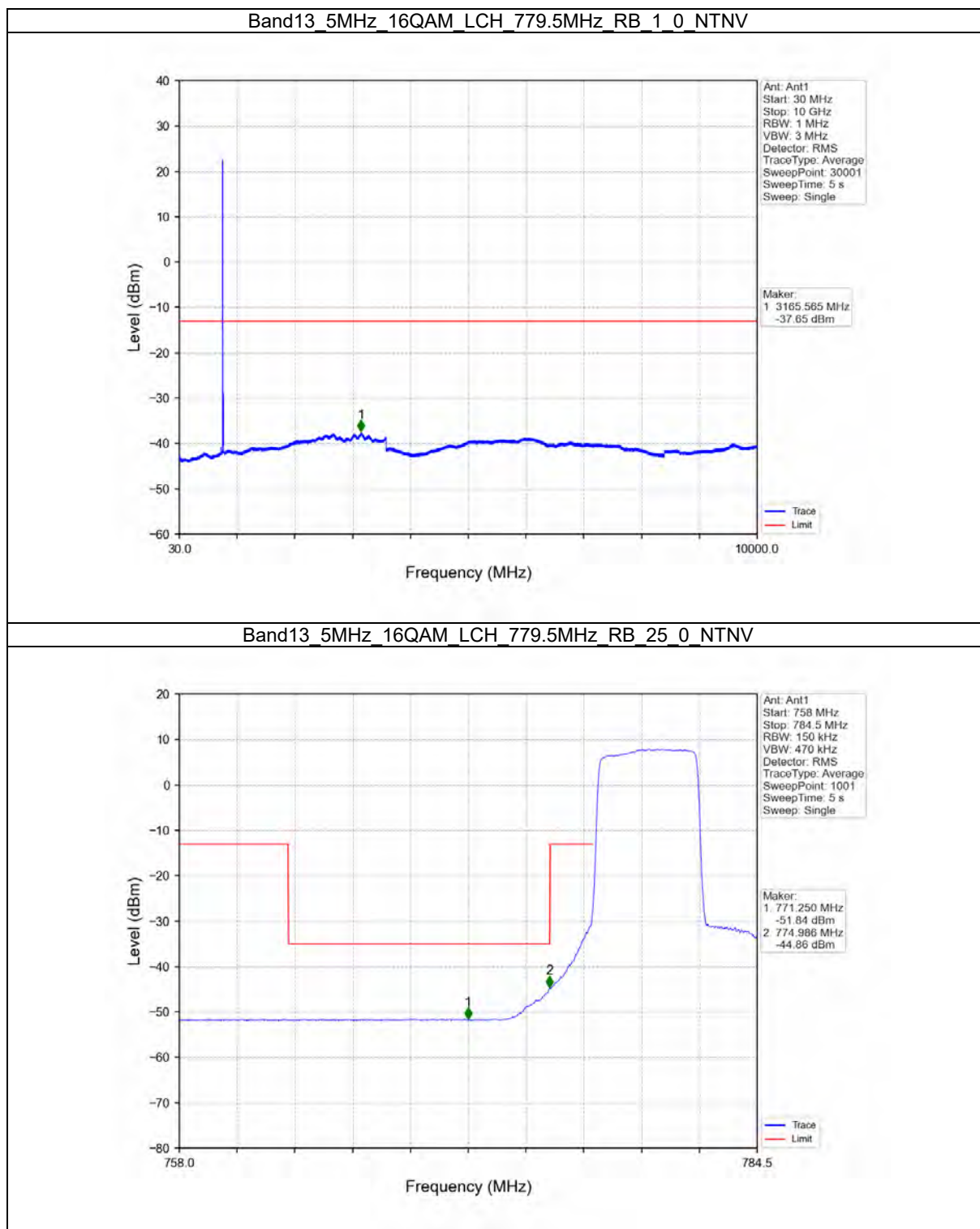
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_0_NTNV



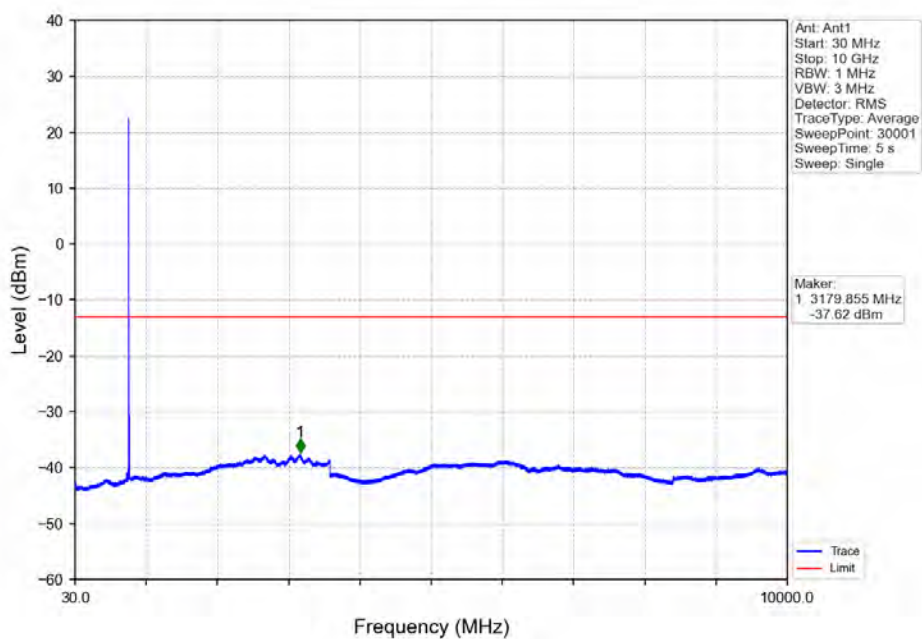
Band13_5MHz_QPSK_HCH_784.5MHz_RB_1_24_NTNV



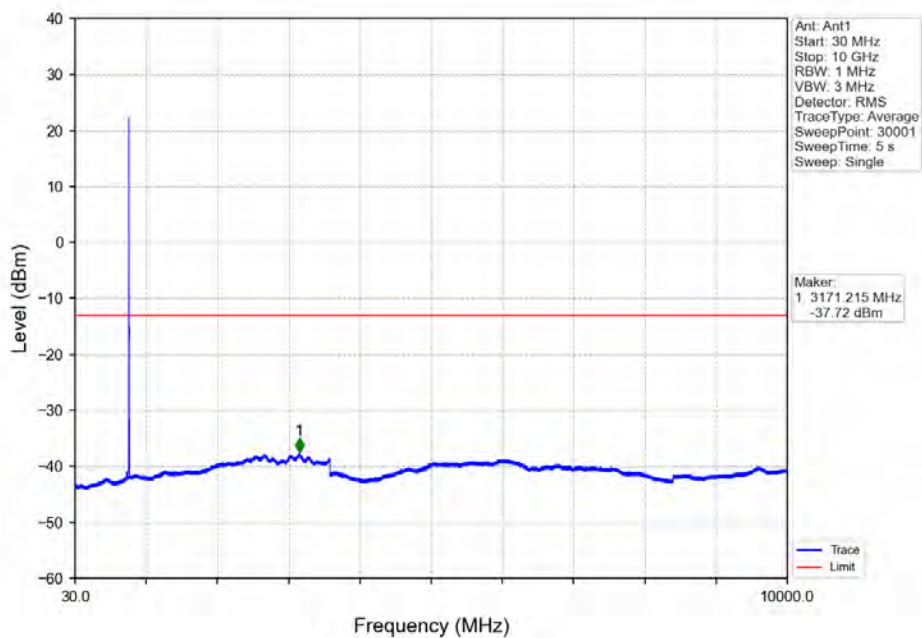




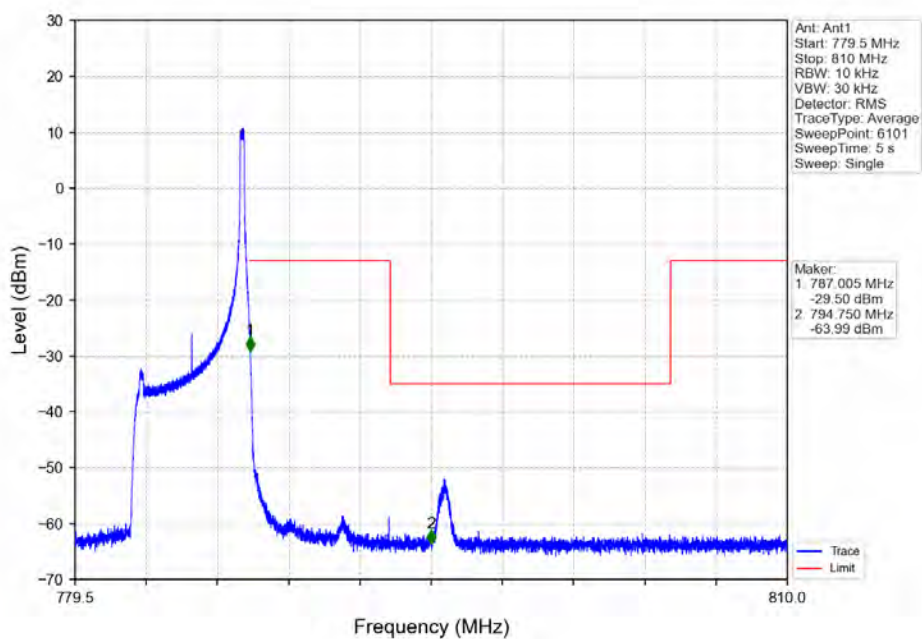
Band13_5MHz_16QAM_MCH_782MHz_RB_1_0_NTNV



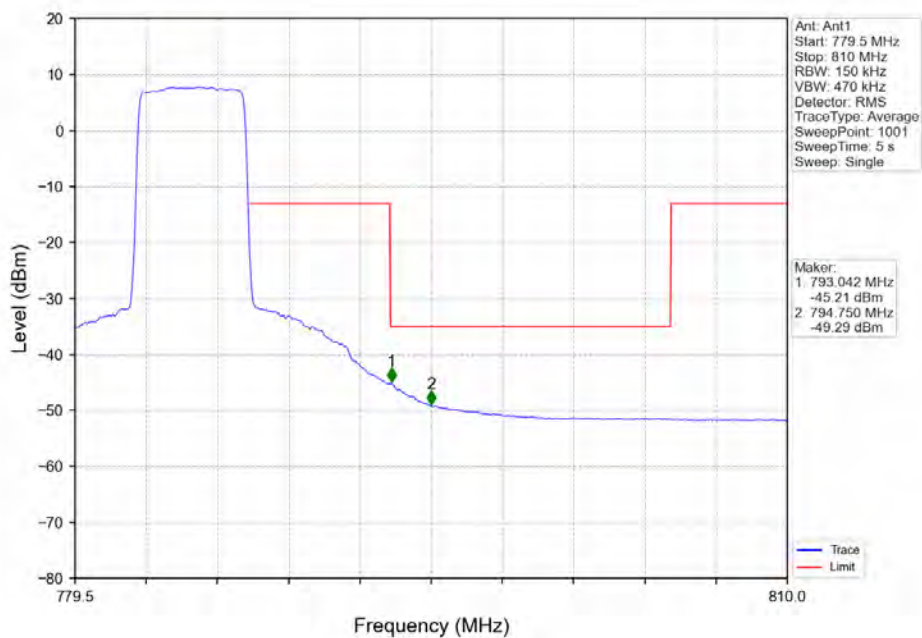
Band13_5MHz_16QAM_HCH_784.5MHz_RB_1_0_NTNV

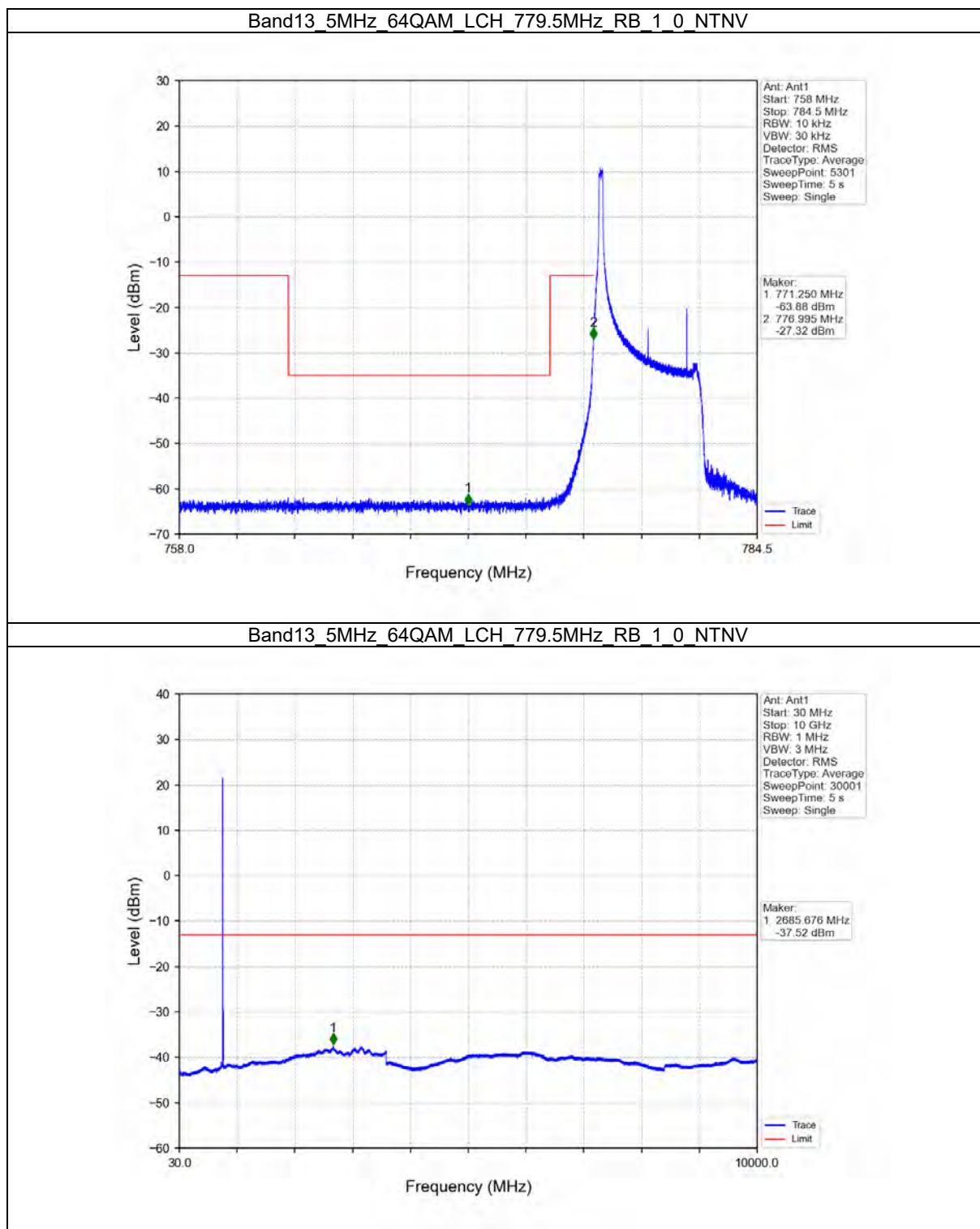


Band13 5MHz 16QAM HCH 784.5MHz RB 1 24 NTNV

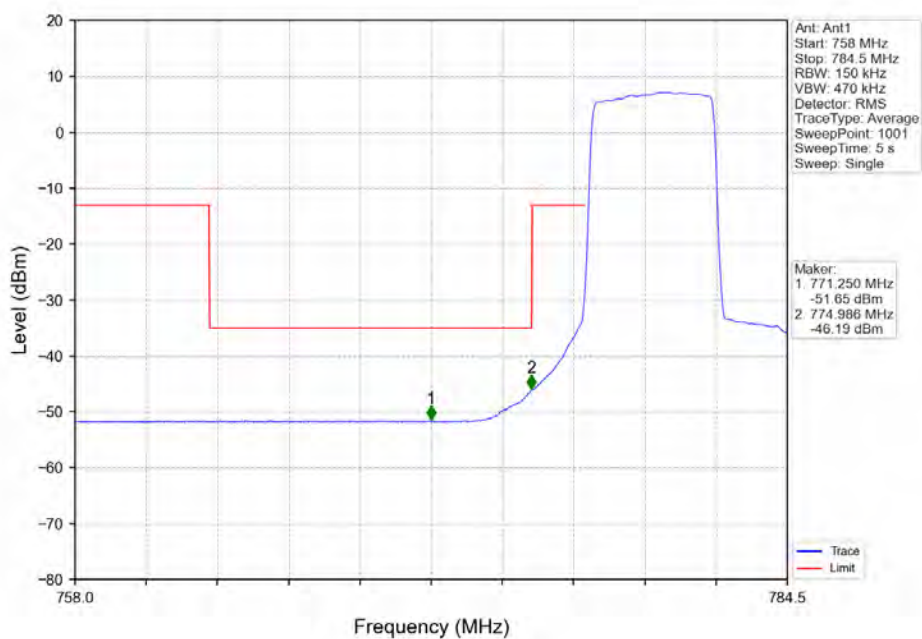


Band13 5MHz 16QAM HCH 784.5MHz RB 25 0 NTNV

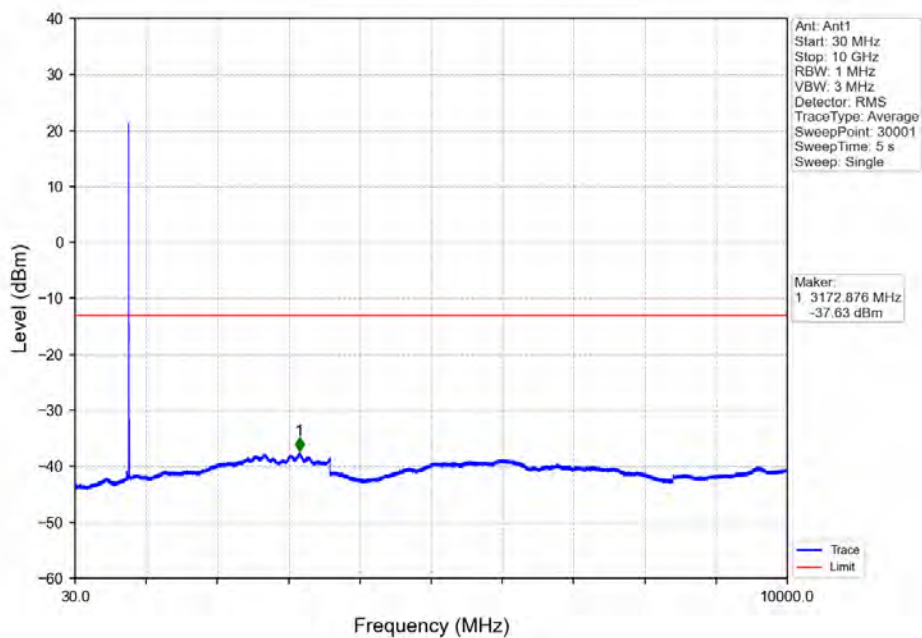


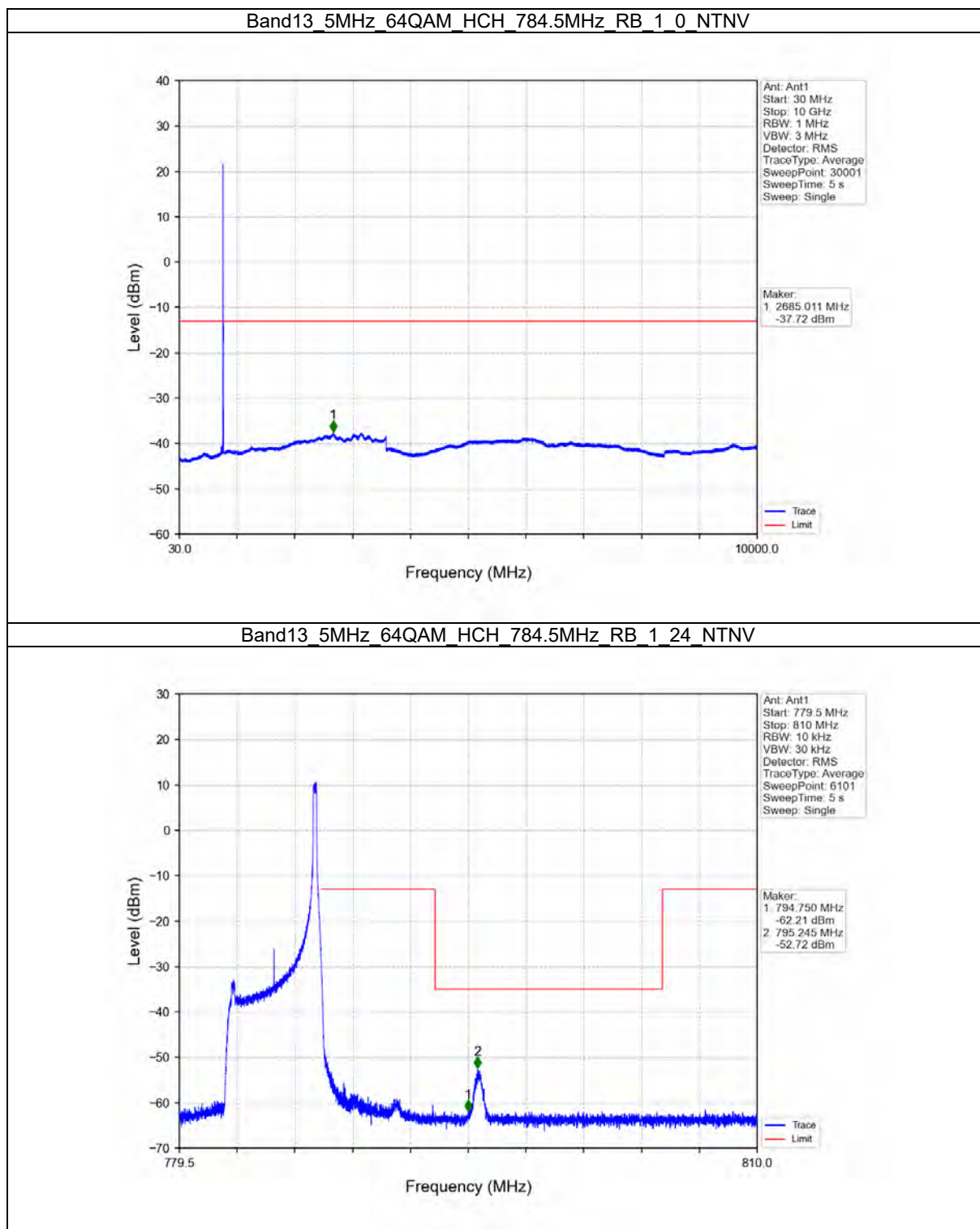


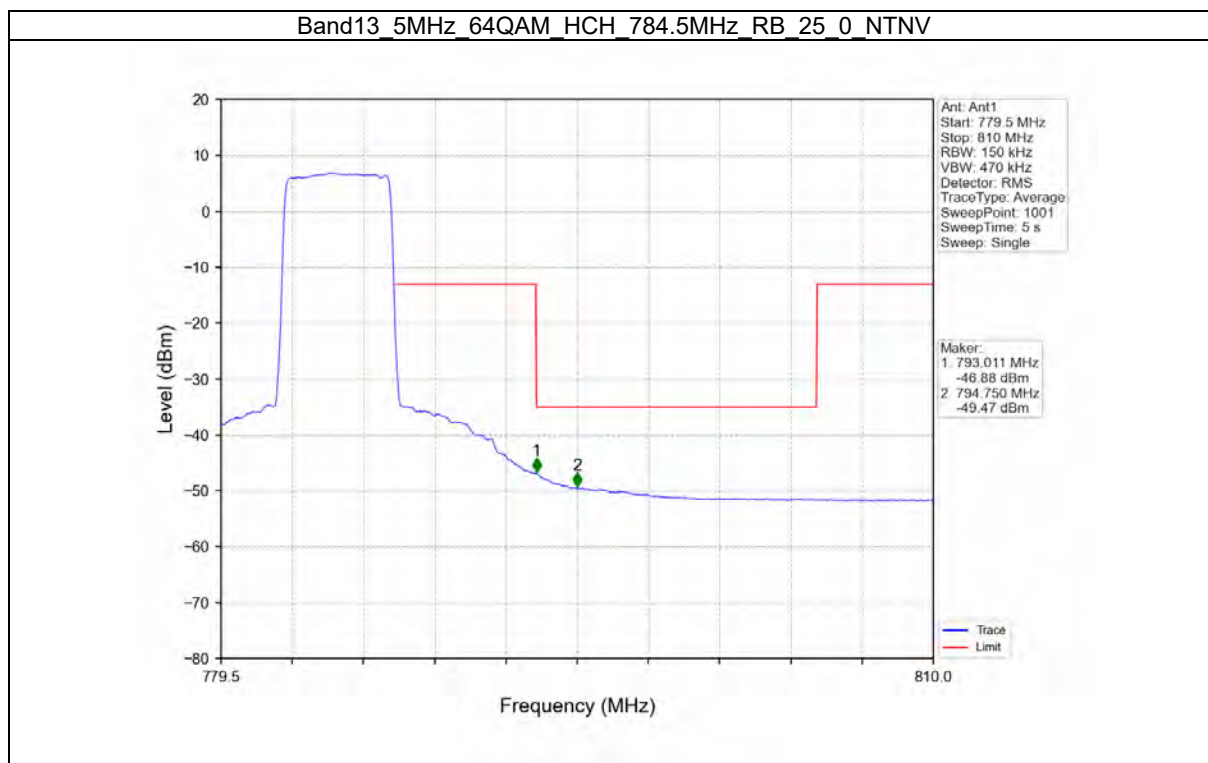
Band13_5MHz_64QAM_LCH_779.5MHz_RB_25_0_NTNV



Band13_5MHz_64QAM_MCH_782MHz_RB_1_0_NTNV







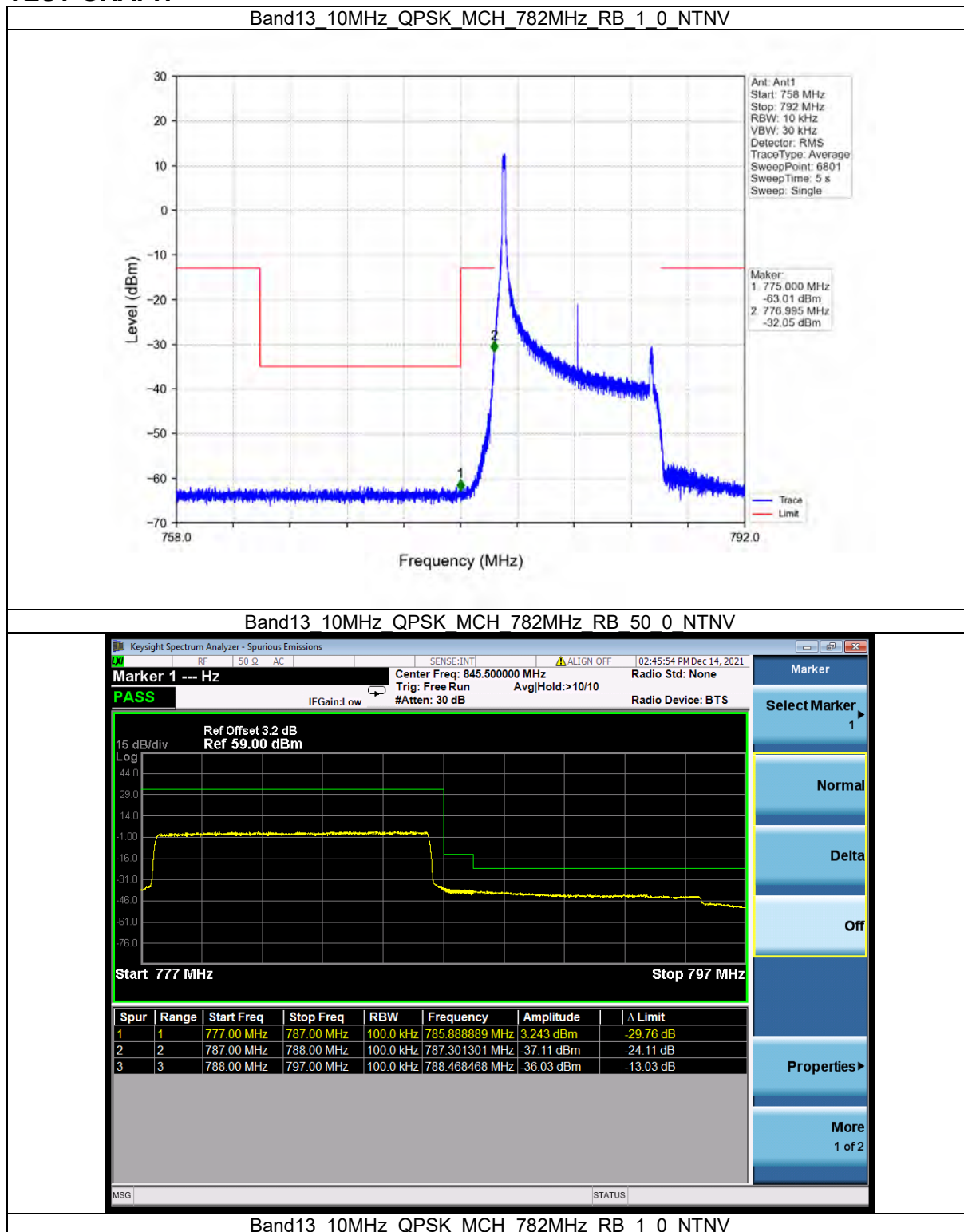


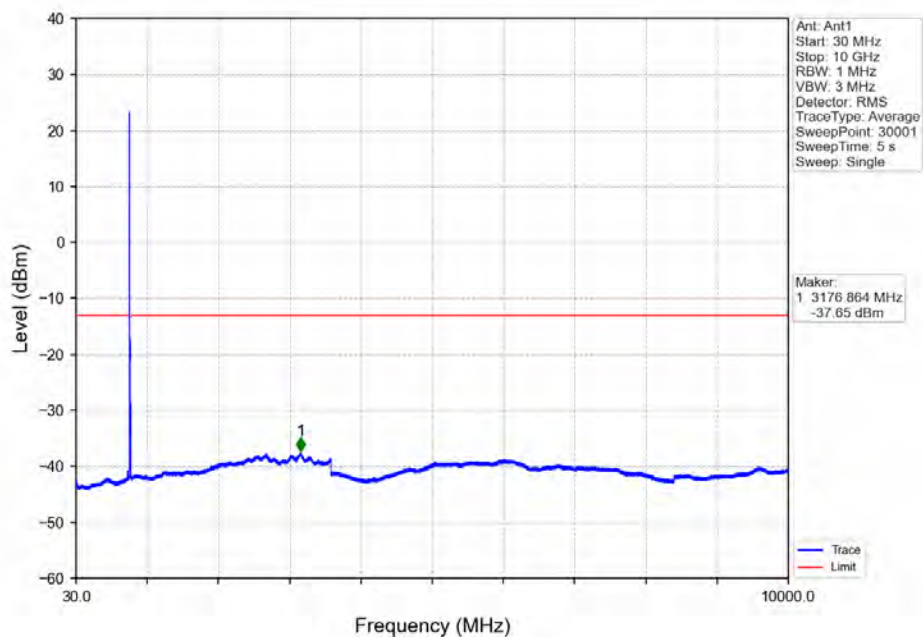
Test Report No.: W7L-P21100018-1RF06

B13_10MHZ TEST RESULT

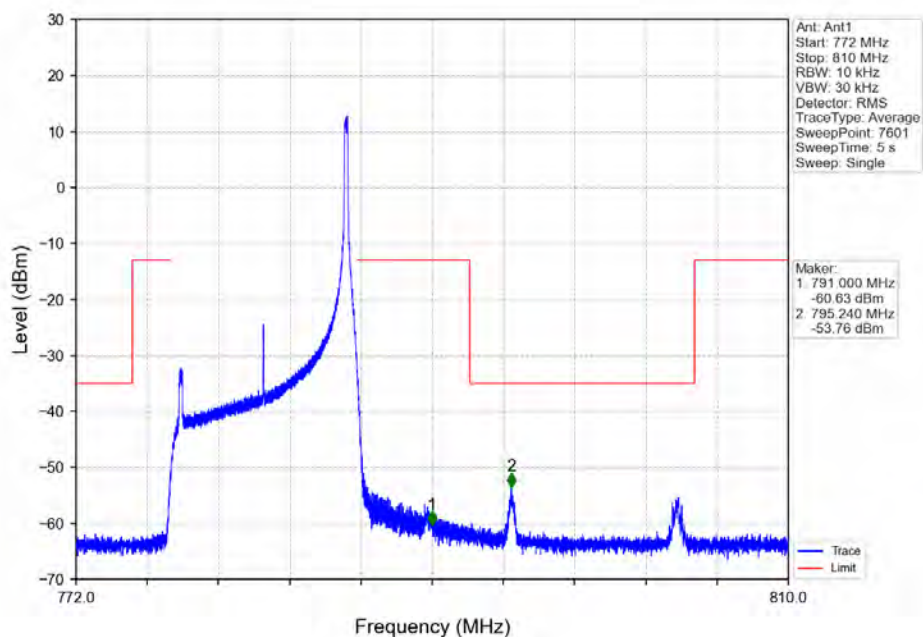
Band: 13 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	782	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
16QAM	782	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
64QAM	782	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

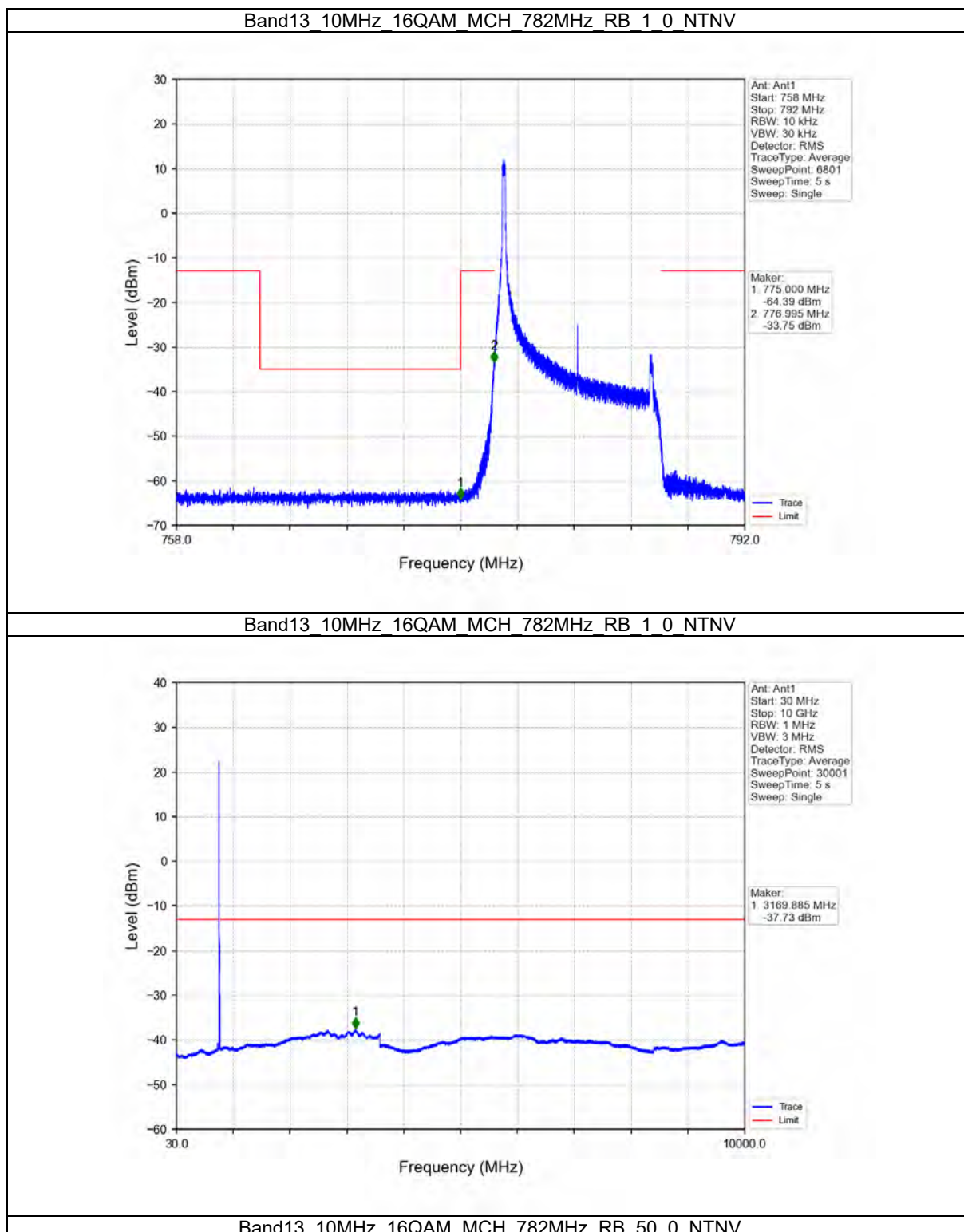
TEST GRAPH





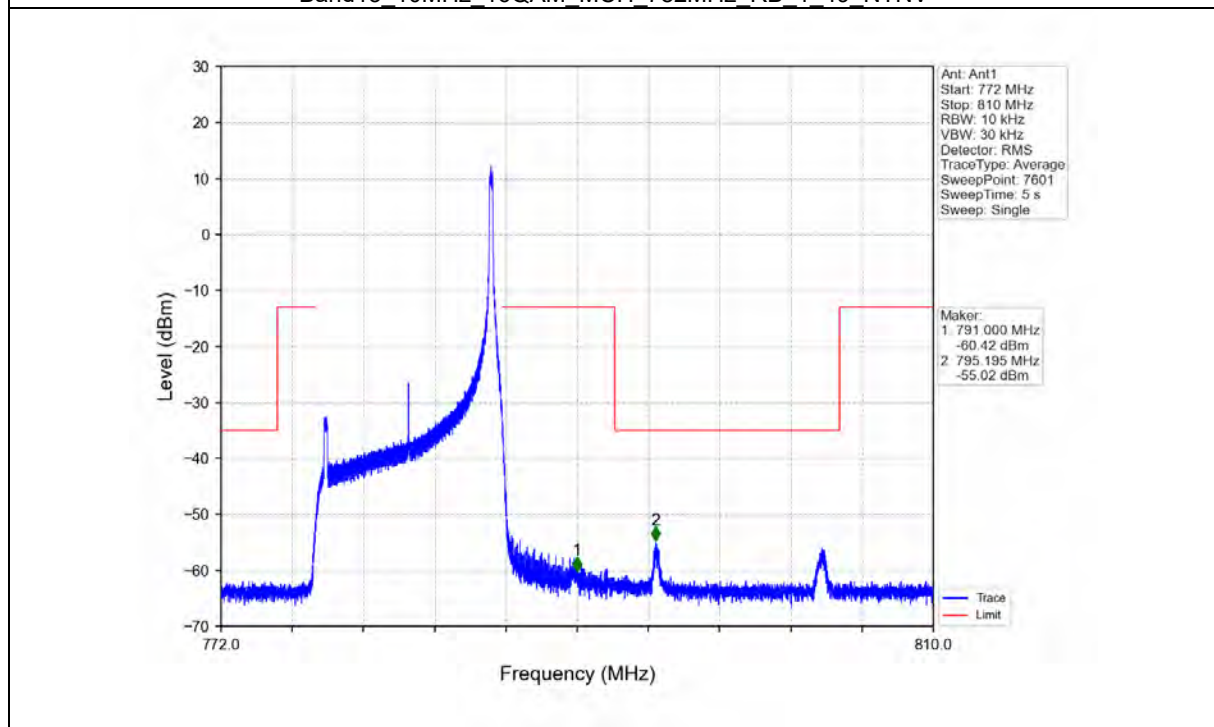
Band13_10MHz_QPSK_MCH_782MHz_RB_1_49_NTNV

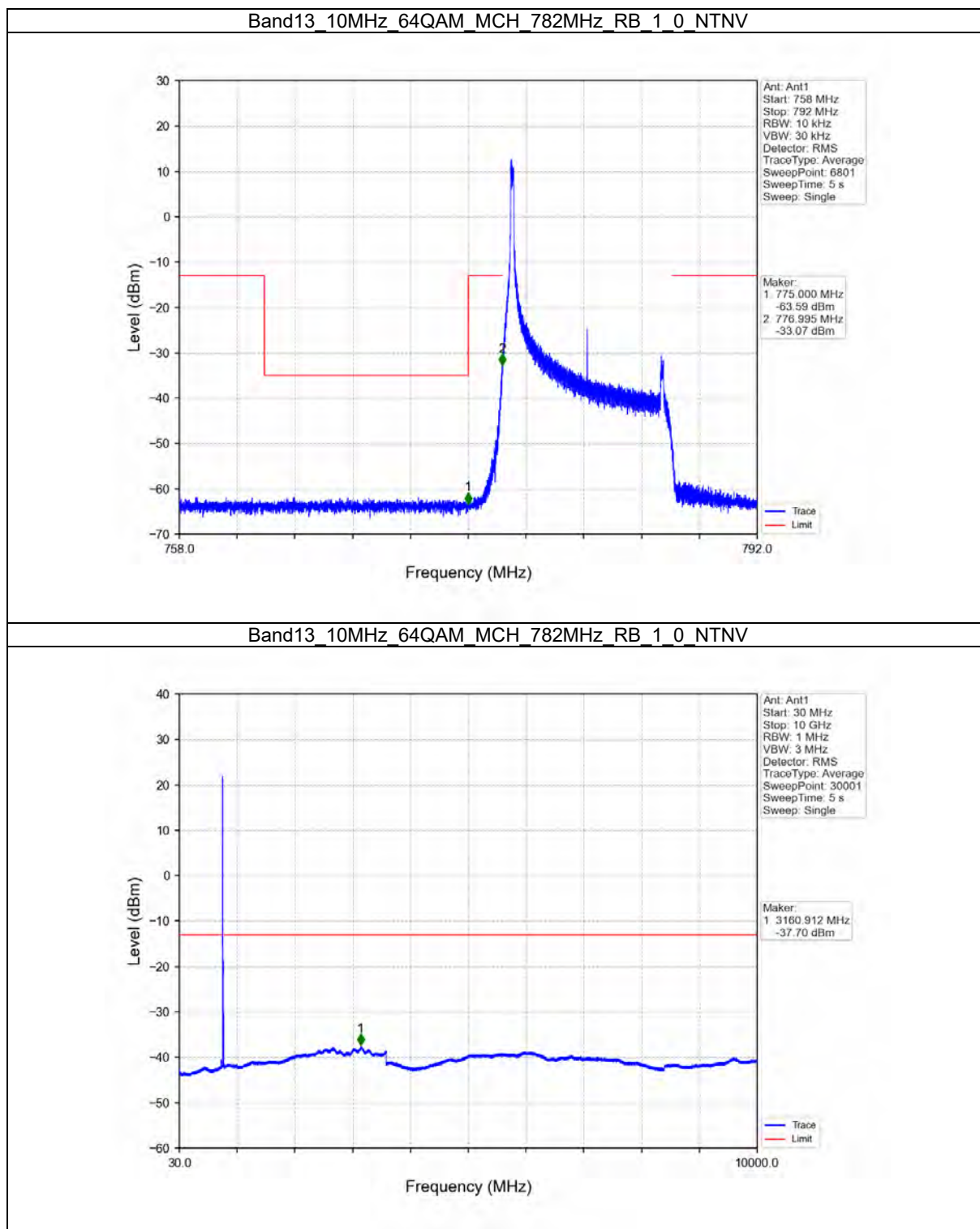


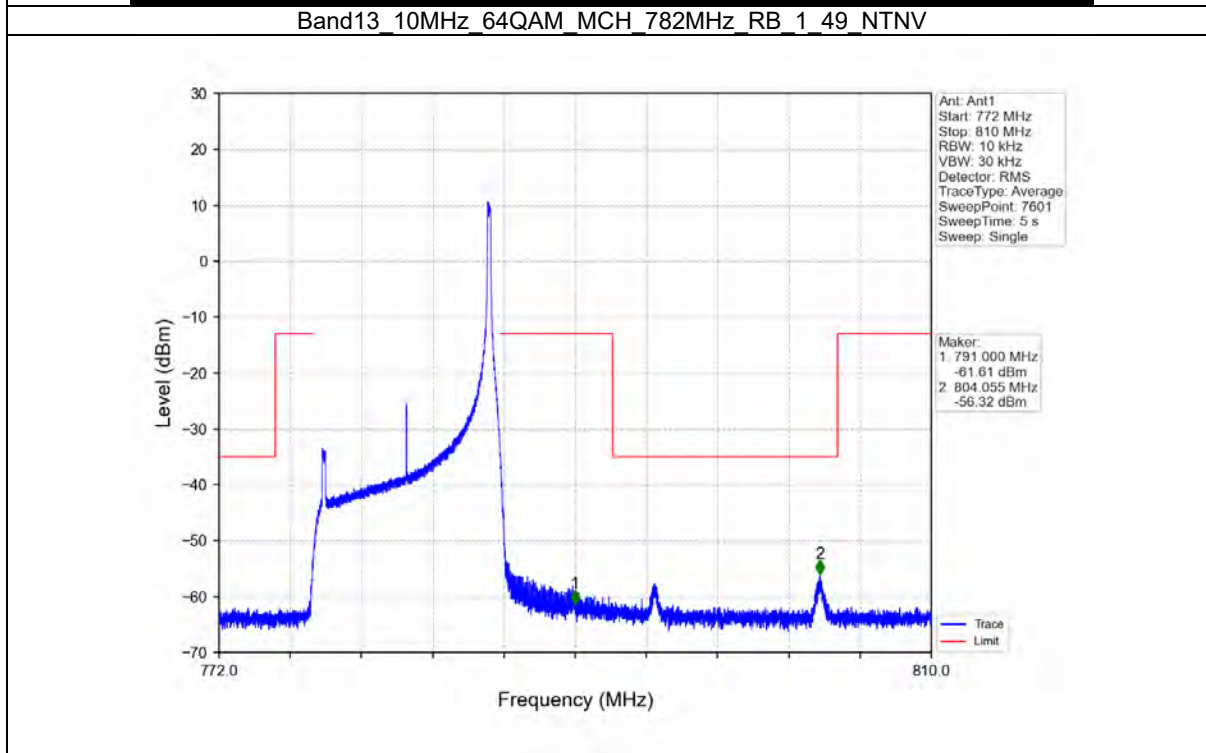
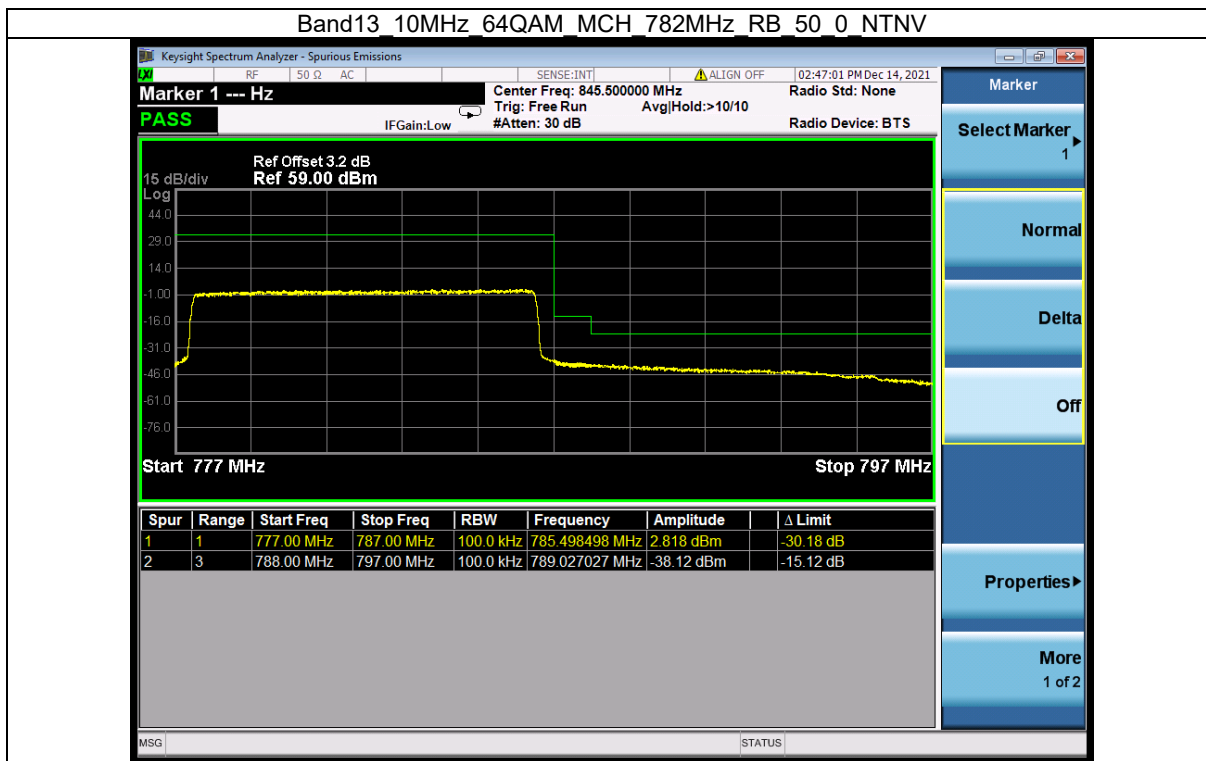




Band13_10MHz_16QAM_MCH_782MHz_RB_1_49_NTNV







LTE BAND 17

FREQUENCY STABILITY B17_5MHZ TEST RESULT

Band: 17 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.27	-5.99	-0.01	-2.5 to 2.5	Pass
					3.85	-7.62	-0.01	-2.5 to 2.5	Pass
					4.43	-9.41	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-12.95	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-17.64	-0.03	-2.5 to 2.5	Pass
				-10	3.85	-22.02	-0.03	-2.5 to 2.5	Pass
				0	3.85	-27.57	-0.04	-2.5 to 2.5	Pass
				10	3.85	-34.13	-0.05	-2.5 to 2.5	Pass
				30	3.85	-39.20	-0.06	-2.5 to 2.5	Pass
				40	3.85	-19.73	-0.03	-2.5 to 2.5	Pass
				50	3.85	3.96	0.01	-2.5 to 2.5	Pass
	710	25	0	20	3.27	1.73	0.00	-2.5 to 2.5	Pass
					3.85	-1.02	-0.00	-2.5 to 2.5	Pass
					4.43	-4.16	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-6.24	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-9.27	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-13.20	-0.02	-2.5 to 2.5	Pass
				0	3.85	-17.92	-0.03	-2.5 to 2.5	Pass
				10	3.85	-21.96	-0.03	-2.5 to 2.5	Pass
				30	3.85	-26.44	-0.04	-2.5 to 2.5	Pass
				40	3.85	-29.71	-0.04	-2.5 to 2.5	Pass
				50	3.85	-33.06	-0.05	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-0.84	-0.00	-2.5 to 2.5	Pass
					3.85	-1.82	-0.00	-2.5 to 2.5	Pass
					4.43	-3.09	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-3.76	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-8.05	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-7.97	-0.01	-2.5 to 2.5	Pass
				0	3.85	-10.67	-0.01	-2.5 to 2.5	Pass
				10	3.85	-11.21	-0.02	-2.5 to 2.5	Pass
				30	3.85	-13.79	-0.02	-2.5 to 2.5	Pass
				40	3.85	-16.21	-0.02	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-2.67	-0.00	-2.5 to 2.5	Pass
					3.85	-8.81	-0.01	-2.5 to 2.5	Pass
					4.43	-12.10	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-14.75	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-17.84	-0.03	-2.5 to 2.5	Pass
				-10	3.85	-19.31	-0.03	-2.5 to 2.5	Pass
				0	3.85	-20.94	-0.03	-2.5 to 2.5	Pass
				10	3.85	-22.22	-0.03	-2.5 to 2.5	Pass
				30	3.85	-23.20	-0.03	-2.5 to 2.5	Pass
				40	3.85	-24.61	-0.03	-2.5 to 2.5	Pass
				50	3.85	-26.24	-0.04	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-38.20	-0.05	-2.5 to 2.5	Pass
					3.85	-40.67	-0.06	-2.5 to 2.5	Pass
					4.43	-43.87	-0.06	-2.5 to 2.5	Pass
				-30	3.85	-44.79	-0.06	-2.5 to 2.5	Pass
				-20	3.85	-10.71	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-3.39	-0.00	-2.5 to 2.5	Pass