

1. Effective (Isotropic) Radiated Power Output Data

1.1 B12_1.4MHz_ERP

1.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	23.59	-0.5	20.94	<=34.77	Pass
			2	23.63	-0.5	20.98	<=34.77	Pass
			5	23.6	-0.5	20.95	<=34.77	Pass
		3	0	23.62	-0.5	20.97	<=34.77	Pass
			2	23.58	-0.5	20.93	<=34.77	Pass
			3	23.57	-0.5	20.92	<=34.77	Pass
		6	0	22.58	-0.5	19.93	<=34.77	Pass
	707.5	1	0	23.61	-0.5	20.96	<=34.77	Pass
			2	23.61	-0.5	20.96	<=34.77	Pass
			5	23.63	-0.5	20.98	<=34.77	Pass
		3	0	23.62	-0.5	20.97	<=34.77	Pass
			2	23.64	-0.5	20.99	<=34.77	Pass
			3	23.6	-0.5	20.95	<=34.77	Pass
		6	0	22.58	-0.5	19.93	<=34.77	Pass
	715.3	1	0	23.53	-0.5	20.88	<=34.77	Pass
			2	23.55	-0.5	20.9	<=34.77	Pass
			5	23.47	-0.5	20.82	<=34.77	Pass
		3	0	23.48	-0.5	20.83	<=34.77	Pass
			2	23.49	-0.5	20.84	<=34.77	Pass
			3	23.5	-0.5	20.85	<=34.77	Pass
		6	0	22.54	-0.5	19.89	<=34.77	Pass
16QAM	699.7	1	0	22.78	-0.5	20.13	<=34.77	Pass
			2	22.77	-0.5	20.12	<=34.77	Pass
			5	22.67	-0.5	20.02	<=34.77	Pass
		3	0	22.61	-0.5	19.96	<=34.77	Pass
			2	22.64	-0.5	19.99	<=34.77	Pass
			3	22.57	-0.5	19.92	<=34.77	Pass
		6	0	21.54	-0.5	18.89	<=34.77	Pass
	707.5	1	0	22.79	-0.5	20.14	<=34.77	Pass
			2	22.78	-0.5	20.13	<=34.77	Pass
			5	22.73	-0.5	20.08	<=34.77	Pass
		3	0	22.65	-0.5	20	<=34.77	Pass

			2	22.7	-0.5	20.05	<=34.77	Pass
			3	22.7	-0.5	20.05	<=34.77	Pass
		6	0	21.61	-0.5	18.96	<=34.77	Pass
	715.3	1	0	22.74	-0.5	20.09	<=34.77	Pass
			2	22.73	-0.5	20.08	<=34.77	Pass
			5	22.57	-0.5	19.92	<=34.77	Pass
		3	0	22.61	-0.5	19.96	<=34.77	Pass
			2	22.6	-0.5	19.95	<=34.77	Pass
			3	22.59	-0.5	19.94	<=34.77	Pass
		6	0	21.59	-0.5	18.94	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.2 B12_3MHz_ERP

1.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	23.52	-0.5	20.87	<=34.77	Pass
			7	23.58	-0.5	20.93	<=34.77	Pass
			14	23.51	-0.5	20.86	<=34.77	Pass
		8	0	22.58	-0.5	19.93	<=34.77	Pass
			4	22.63	-0.5	19.98	<=34.77	Pass
			7	22.65	-0.5	20	<=34.77	Pass
		15	0	22.66	-0.5	20.01	<=34.77	Pass
	707.5	1	0	23.58	-0.5	20.93	<=34.77	Pass
			7	23.69	-0.5	21.04	<=34.77	Pass
			14	23.59	-0.5	20.94	<=34.77	Pass
		8	0	22.62	-0.5	19.97	<=34.77	Pass
			4	22.68	-0.5	20.03	<=34.77	Pass
			7	22.62	-0.5	19.97	<=34.77	Pass
		15	0	22.59	-0.5	19.94	<=34.77	Pass
	714.5	1	0	23.54	-0.5	20.89	<=34.77	Pass
			7	23.58	-0.5	20.93	<=34.77	Pass
			14	23.48	-0.5	20.83	<=34.77	Pass
		8	0	22.52	-0.5	19.87	<=34.77	Pass
			4	22.52	-0.5	19.87	<=34.77	Pass
			7	22.59	-0.5	19.94	<=34.77	Pass
		15	0	22.5	-0.5	19.85	<=34.77	Pass

16QAM	700.5	1	0	22.67	-0.5	20.02	<=34.77	Pass
			7	22.76	-0.5	20.11	<=34.77	Pass
			14	22.76	-0.5	20.11	<=34.77	Pass
		8	0	21.71	-0.5	19.06	<=34.77	Pass
			4	21.68	-0.5	19.03	<=34.77	Pass
			7	21.66	-0.5	19.01	<=34.77	Pass
		15	0	21.67	-0.5	19.02	<=34.77	Pass
	707.5	1	0	22.78	-0.5	20.13	<=34.77	Pass
			7	22.88	-0.5	20.23	<=34.77	Pass
			14	22.69	-0.5	20.04	<=34.77	Pass
		8	0	21.65	-0.5	19	<=34.77	Pass
			4	21.71	-0.5	19.06	<=34.77	Pass
			7	21.68	-0.5	19.03	<=34.77	Pass
		15	0	21.6	-0.5	18.95	<=34.77	Pass
	714.5	1	0	22.67	-0.5	20.02	<=34.77	Pass
			7	22.74	-0.5	20.09	<=34.77	Pass
			14	22.65	-0.5	20	<=34.77	Pass
		8	0	21.59	-0.5	18.94	<=34.77	Pass
			4	21.63	-0.5	18.98	<=34.77	Pass
			7	21.6	-0.5	18.95	<=34.77	Pass
		15	0	21.55	-0.5	18.9	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.3 B12_5MHz_ERP

1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	23.61	-0.5	20.96	<=34.77	Pass
			13	23.67	-0.5	21.02	<=34.77	Pass
			24	23.6	-0.5	20.95	<=34.77	Pass
		12	0	22.59	-0.5	19.94	<=34.77	Pass
			6	22.67	-0.5	20.02	<=34.77	Pass
			13	22.65	-0.5	20	<=34.77	Pass
		25	0	22.67	-0.5	20.02	<=34.77	Pass
	707.5	1	0	23.61	-0.5	20.96	<=34.77	Pass
			13	23.66	-0.5	21.01	<=34.77	Pass
			24	23.58	-0.5	20.93	<=34.77	Pass

		12	0	22.64	-0.5	19.99	<=34.77	Pass
			6	22.64	-0.5	19.99	<=34.77	Pass
			13	22.65	-0.5	20	<=34.77	Pass
	25	0	22.58	-0.5	19.93	<=34.77	Pass	
	713.5	1	0	23.62	-0.5	20.97	<=34.77	Pass
			13	23.65	-0.5	21	<=34.77	Pass
			24	23.59	-0.5	20.94	<=34.77	Pass
		12	0	22.58	-0.5	19.93	<=34.77	Pass
			6	22.59	-0.5	19.94	<=34.77	Pass
			13	22.56	-0.5	19.91	<=34.77	Pass
25		0	22.55	-0.5	19.9	<=34.77	Pass	
16QAM	701.5	1	0	22.72	-0.5	20.07	<=34.77	Pass
			13	22.75	-0.5	20.1	<=34.77	Pass
			24	22.72	-0.5	20.07	<=34.77	Pass
		12	0	21.64	-0.5	18.99	<=34.77	Pass
			6	21.72	-0.5	19.07	<=34.77	Pass
			13	21.68	-0.5	19.03	<=34.77	Pass
		25	0	21.69	-0.5	19.04	<=34.77	Pass
	707.5	1	0	22.76	-0.5	20.11	<=34.77	Pass
			13	22.8	-0.5	20.15	<=34.77	Pass
			24	22.77	-0.5	20.12	<=34.77	Pass
		12	0	21.61	-0.5	18.96	<=34.77	Pass
			6	21.65	-0.5	19	<=34.77	Pass
			13	21.65	-0.5	19	<=34.77	Pass
		25	0	21.6	-0.5	18.95	<=34.77	Pass
	713.5	1	0	22.83	-0.5	20.18	<=34.77	Pass
			13	22.77	-0.5	20.12	<=34.77	Pass
			24	22.7	-0.5	20.05	<=34.77	Pass
		12	0	21.63	-0.5	18.98	<=34.77	Pass
			6	21.63	-0.5	18.98	<=34.77	Pass
			13	21.62	-0.5	18.97	<=34.77	Pass
		25	0	21.55	-0.5	18.9	<=34.77	Pass
	Note1: ERP=Conducted Power+Antenna Gain-2.15							

1.4 B12_10MHz_ERP

1.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency	RB Allocation	Conducted Power	Gain	ERP (dBm)	Verdict

	(MHz)	Size	Offset	(dBm)	(dBi)	Result	Limit	
QPSK	704	1	0	23.54	-0.5	20.89	<=34.77	Pass
			25	23.59	-0.5	20.94	<=34.77	Pass
			49	23.55	-0.5	20.9	<=34.77	Pass
		25	0	22.61	-0.5	19.96	<=34.77	Pass
			13	22.71	-0.5	20.06	<=34.77	Pass
			25	22.65	-0.5	20	<=34.77	Pass
		50	0	22.78	-0.5	20.13	<=34.77	Pass
	707.5	1	0	23.65	-0.5	21	<=34.77	Pass
			25	23.64	-0.5	20.99	<=34.77	Pass
			49	23.48	-0.5	20.83	<=34.77	Pass
		25	0	22.64	-0.5	19.99	<=34.77	Pass
			13	22.63	-0.5	19.98	<=34.77	Pass
			25	22.64	-0.5	19.99	<=34.77	Pass
		50	0	22.68	-0.5	20.03	<=34.77	Pass
	711	1	0	23.64	-0.5	20.99	<=34.77	Pass
			25	23.62	-0.5	20.97	<=34.77	Pass
			49	23.48	-0.5	20.83	<=34.77	Pass
		25	0	22.61	-0.5	19.96	<=34.77	Pass
			13	22.67	-0.5	20.02	<=34.77	Pass
			25	22.59	-0.5	19.94	<=34.77	Pass
		50	0	22.77	-0.5	20.12	<=34.77	Pass
16QAM	704	1	0	22.79	-0.5	20.14	<=34.77	Pass
			25	22.81	-0.5	20.16	<=34.77	Pass
			49	22.73	-0.5	20.08	<=34.77	Pass
		25	0	21.65	-0.5	19	<=34.77	Pass
			13	21.73	-0.5	19.08	<=34.77	Pass
			25	21.68	-0.5	19.03	<=34.77	Pass
		50	0	21.77	-0.5	19.12	<=34.77	Pass
	707.5	1	0	22.81	-0.5	20.16	<=34.77	Pass
			25	22.81	-0.5	20.16	<=34.77	Pass
			49	22.73	-0.5	20.08	<=34.77	Pass
		25	0	21.64	-0.5	18.99	<=34.77	Pass
			13	21.63	-0.5	18.98	<=34.77	Pass
			25	21.63	-0.5	18.98	<=34.77	Pass
		50	0	21.68	-0.5	19.03	<=34.77	Pass
	711	1	0	22.78	-0.5	20.13	<=34.77	Pass
			25	22.74	-0.5	20.09	<=34.77	Pass

		49	22.7	-0.5	20.05	<=34.77	Pass
	25	0	21.66	-0.5	19.01	<=34.77	Pass
		13	21.71	-0.5	19.06	<=34.77	Pass
		25	21.6	-0.5	18.95	<=34.77	Pass
	50	0	21.78	-0.5	19.13	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15							

2. Frequency Stability

2.1 B12_10MHz

2.1.1 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	1.438	0.0020	-2.5 to 2.5	Pass
					3.85	0.888	0.0013	-2.5 to 2.5	Pass
					4.43	0.753	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.873	0.0012	-2.5 to 2.5	Pass
				-20	3.85	1.521	0.0022	-2.5 to 2.5	Pass
				-10	3.85	0.843	0.0012	-2.5 to 2.5	Pass
				0	3.85	1.060	0.0015	-2.5 to 2.5	Pass
				10	3.85	0.881	0.0013	-2.5 to 2.5	Pass
				30	3.85	0.832	0.0012	-2.5 to 2.5	Pass
				40	3.85	0.074	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.833	0.0012	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-2.118	-0.0030	-2.5 to 2.5	Pass
					3.85	-1.461	-0.0021	-2.5 to 2.5	Pass
					4.43	-1.511	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-1.532	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-1.285	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-1.293	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.161	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-1.294	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-1.557	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-1.688	-0.0024	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-0.228	-0.0003	-2.5 to 2.5	Pass
					3.85	0.247	0.0003	-2.5 to 2.5	Pass
					4.43	-0.232	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.066	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.359	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.053	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
				10	3.85	0.341	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.111	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.330	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.910	-0.0013	-2.5 to 2.5	Pass

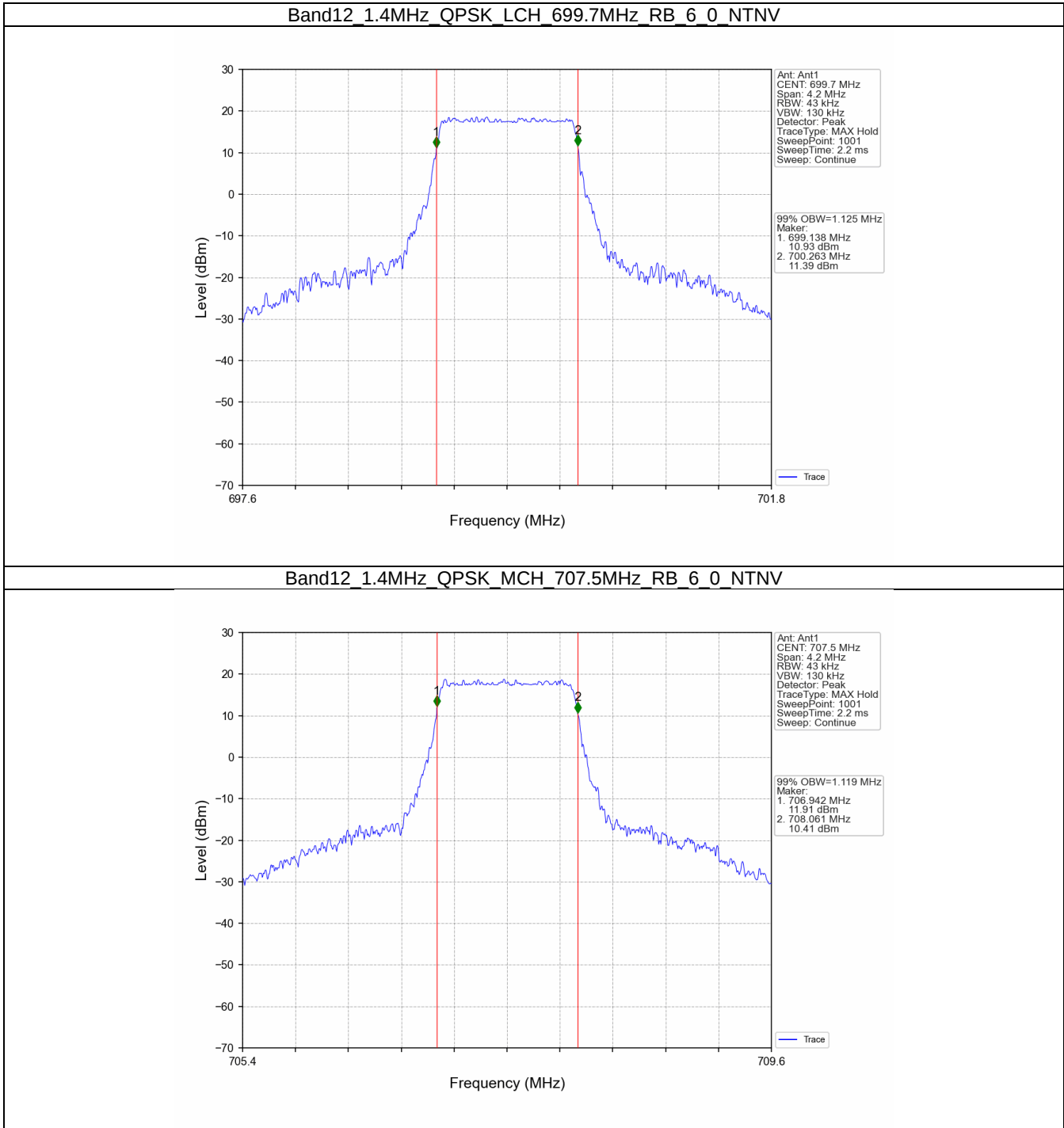
3. 99% & 26dB Bandwidth

3.1 Band12_OBW

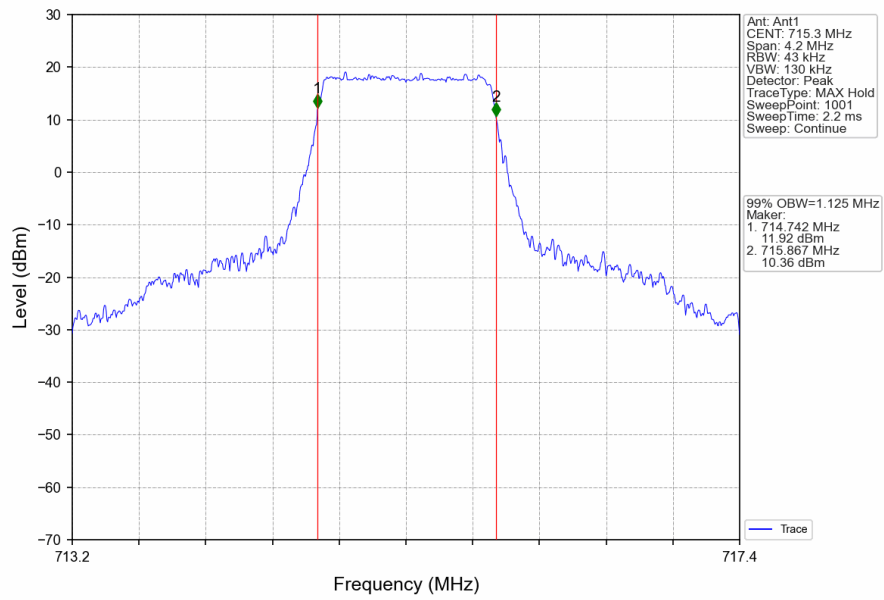
3.1.1 Test Result

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.125	/	Pass
		707.5	6	0	1.119	/	Pass
		715.3	6	0	1.125	/	Pass
	16QAM	699.7	6	0	1.129	/	Pass
		707.5	6	0	1.129	/	Pass
		715.3	6	0	1.125	/	Pass
3	QPSK	700.5	15	0	2.746	/	Pass
		707.5	15	0	2.750	/	Pass
		714.5	15	0	2.755	/	Pass
	16QAM	700.5	15	0	2.746	/	Pass
		707.5	15	0	2.757	/	Pass
		714.5	15	0	2.760	/	Pass
5	QPSK	701.5	25	0	4.564	/	Pass
		707.5	25	0	4.540	/	Pass
		713.5	25	0	4.597	/	Pass
	16QAM	701.5	25	0	4.586	/	Pass
		707.5	25	0	4.571	/	Pass
		713.5	25	0	4.578	/	Pass
10	QPSK	704	50	0	9.056	/	Pass
		707.5	50	0	9.040	/	Pass
		711	50	0	9.086	/	Pass
	16QAM	704	50	0	9.084	/	Pass
		707.5	50	0	9.054	/	Pass
		711	50	0	9.049	/	Pass

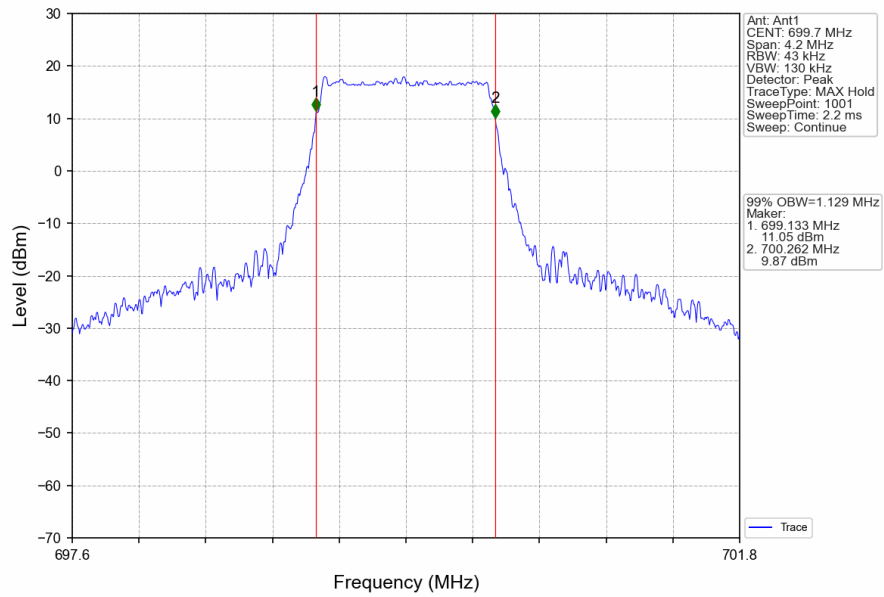
3.1.2 Test Graph



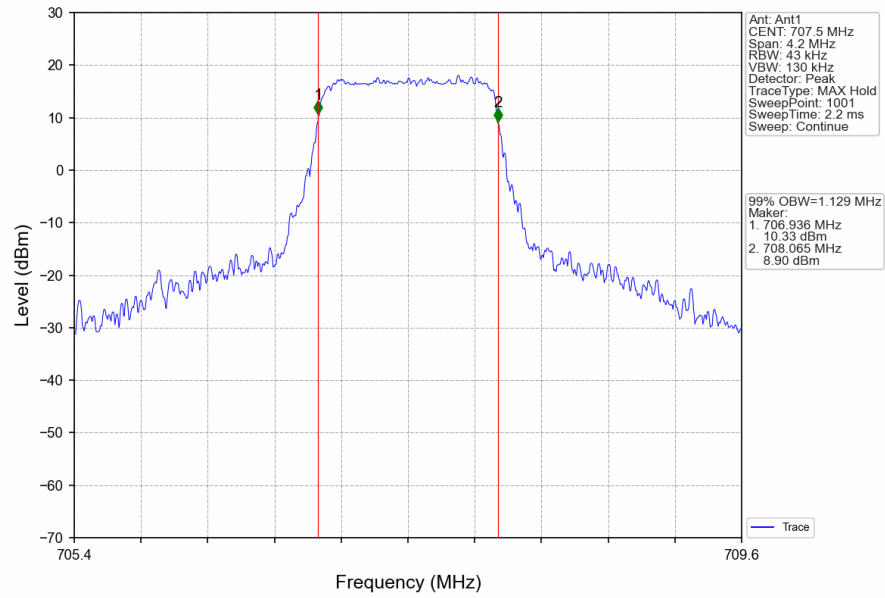
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



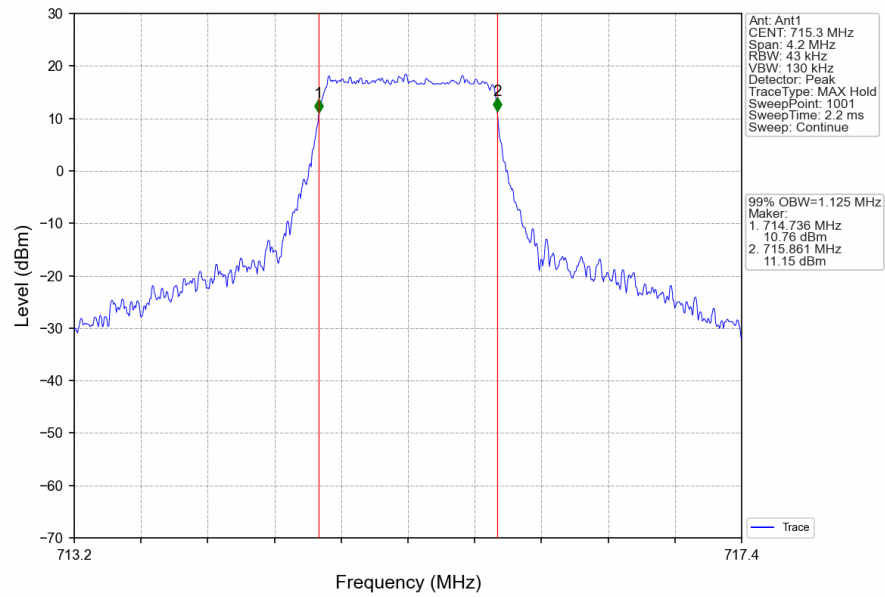
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



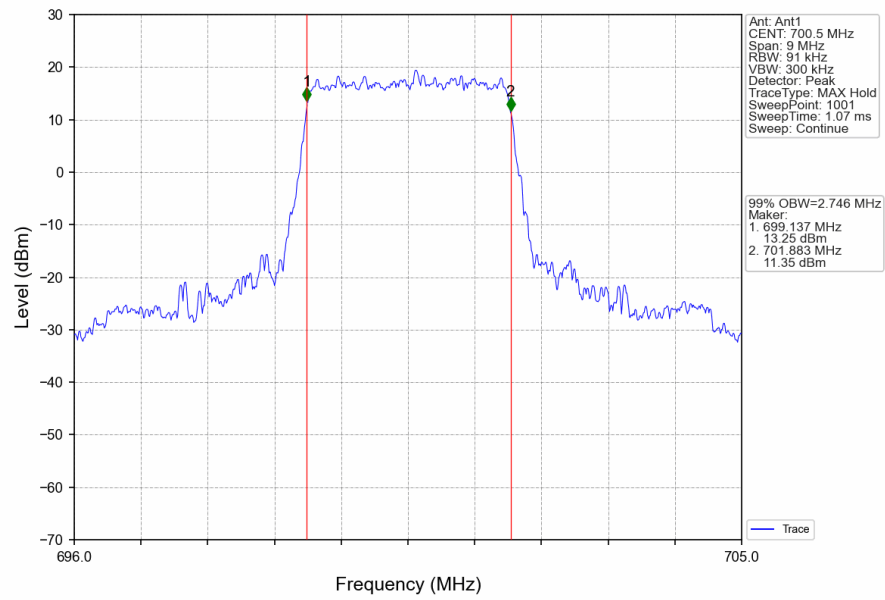
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



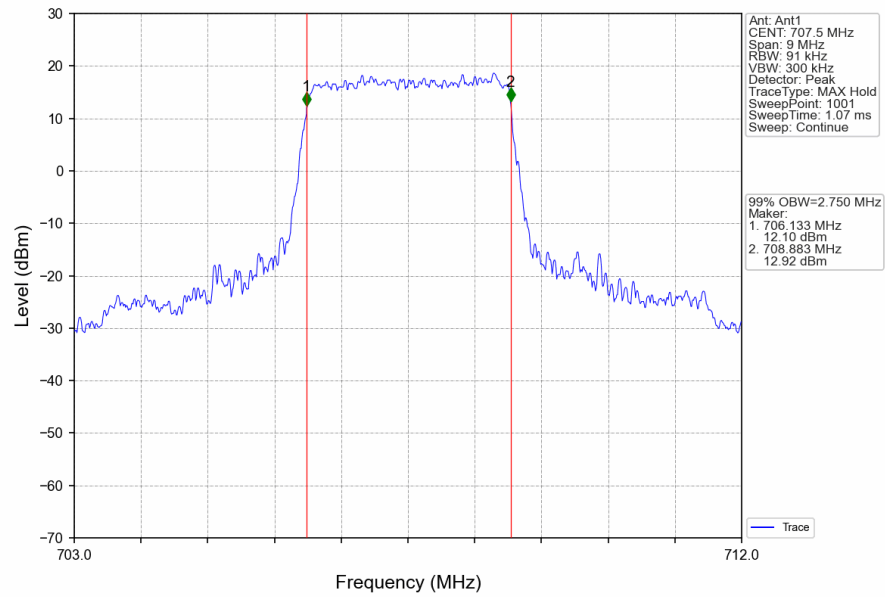
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



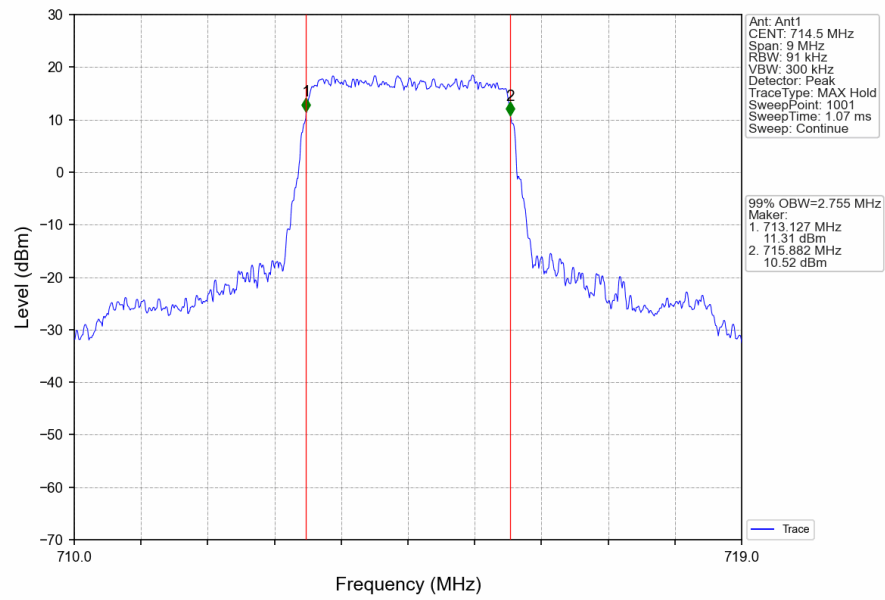
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



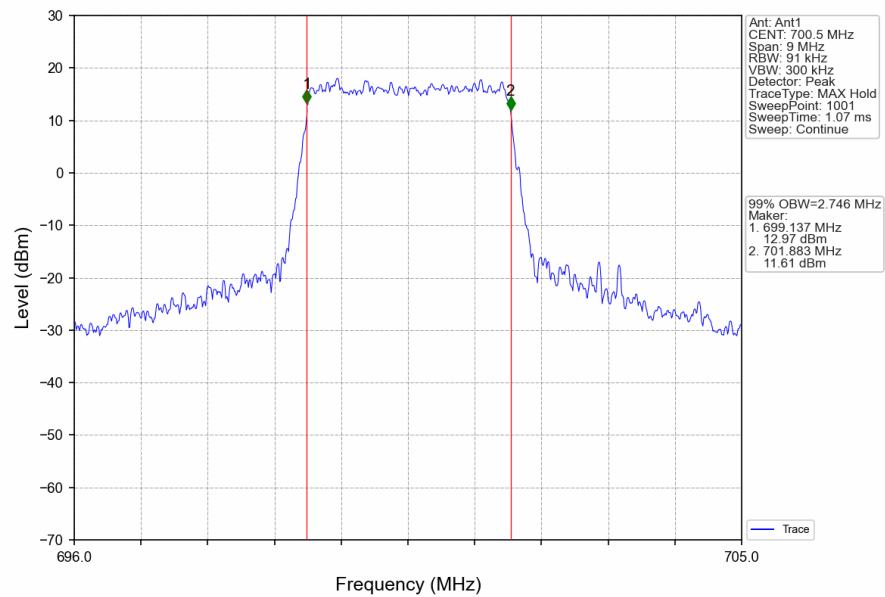
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



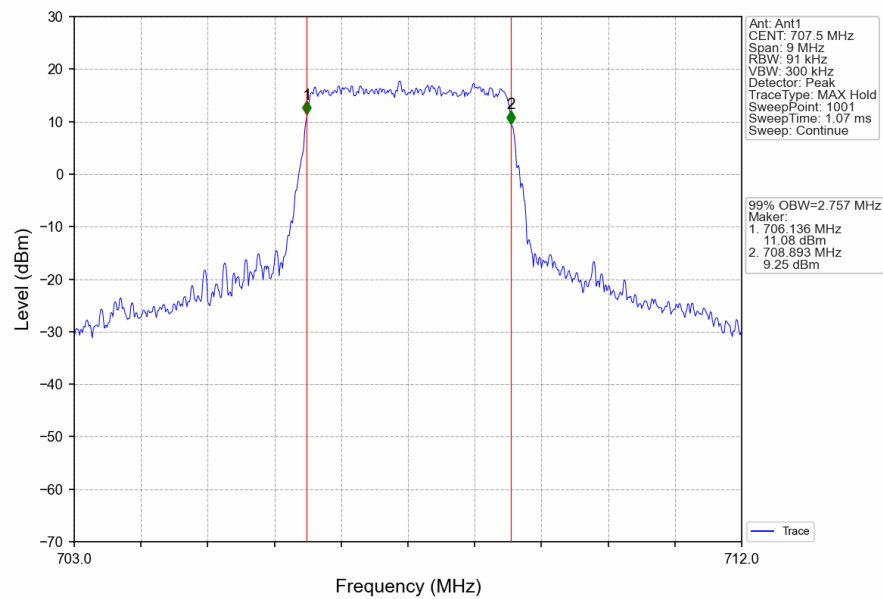
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



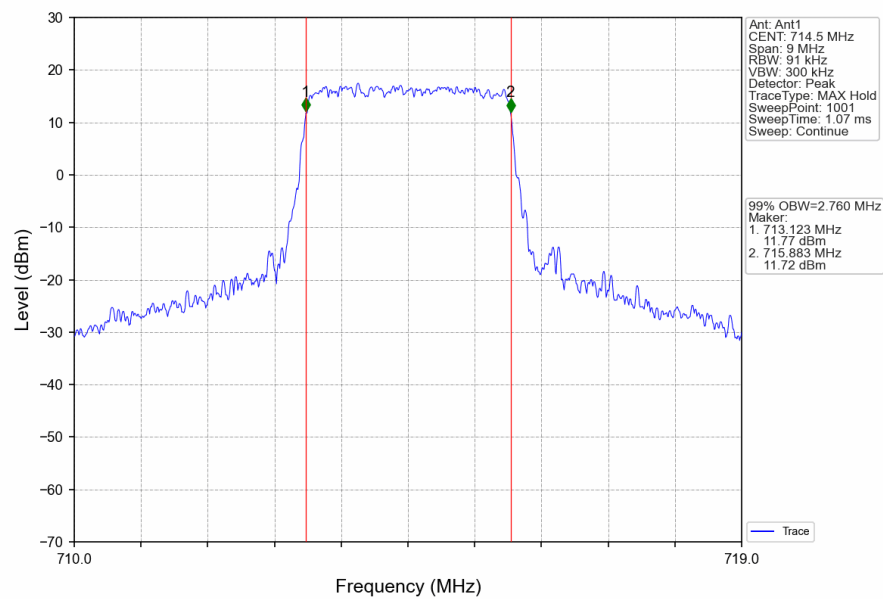
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



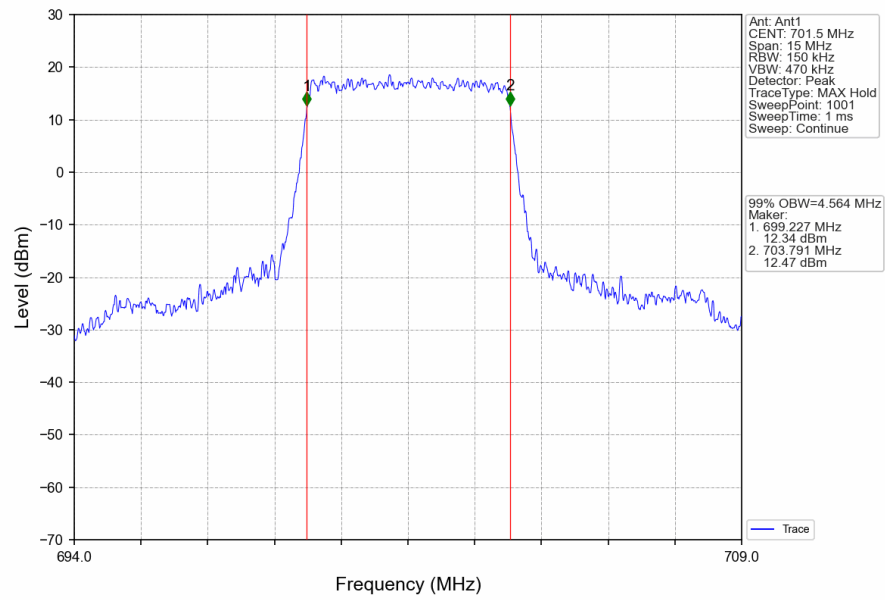
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



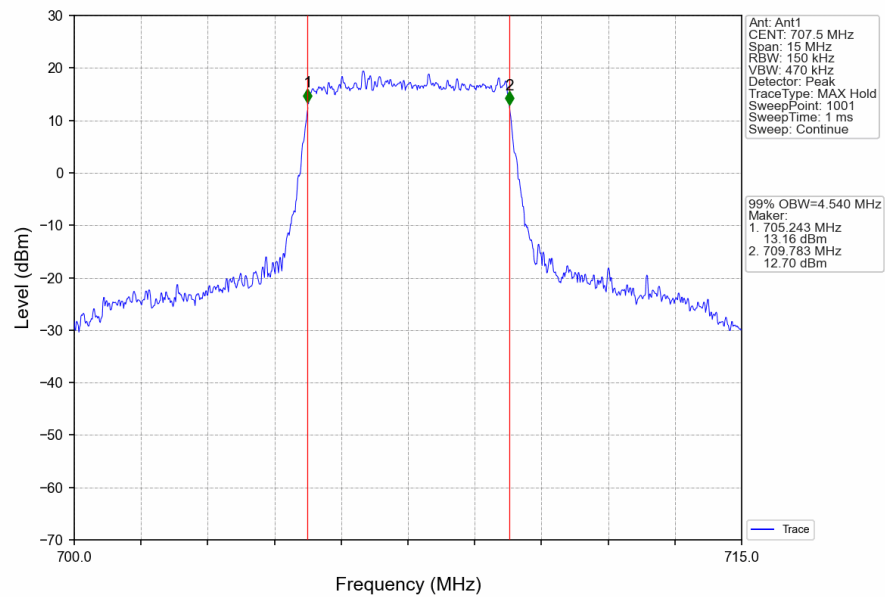
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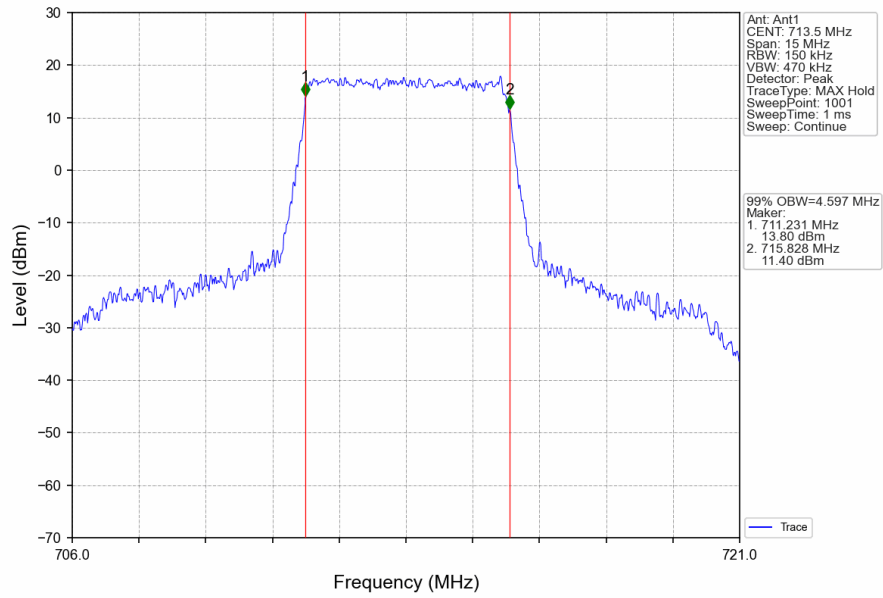
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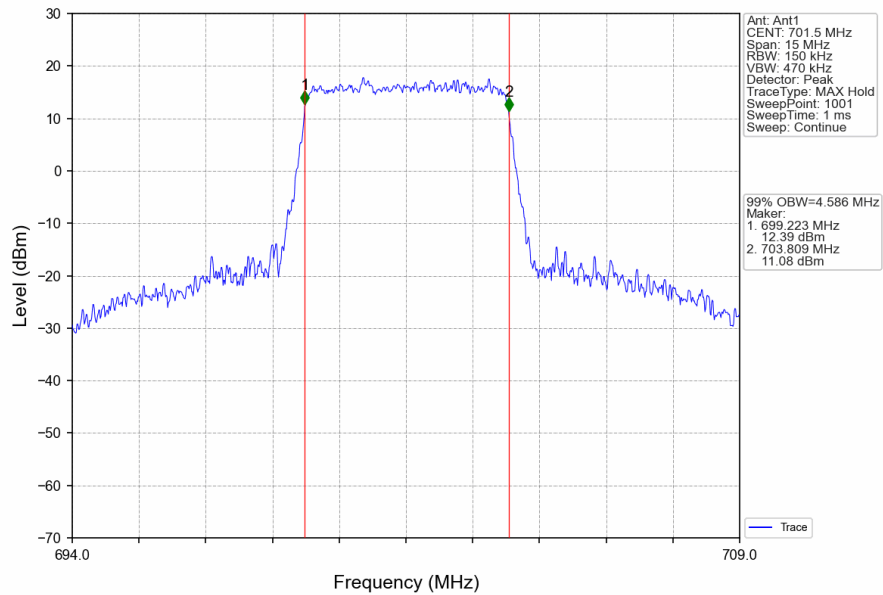
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



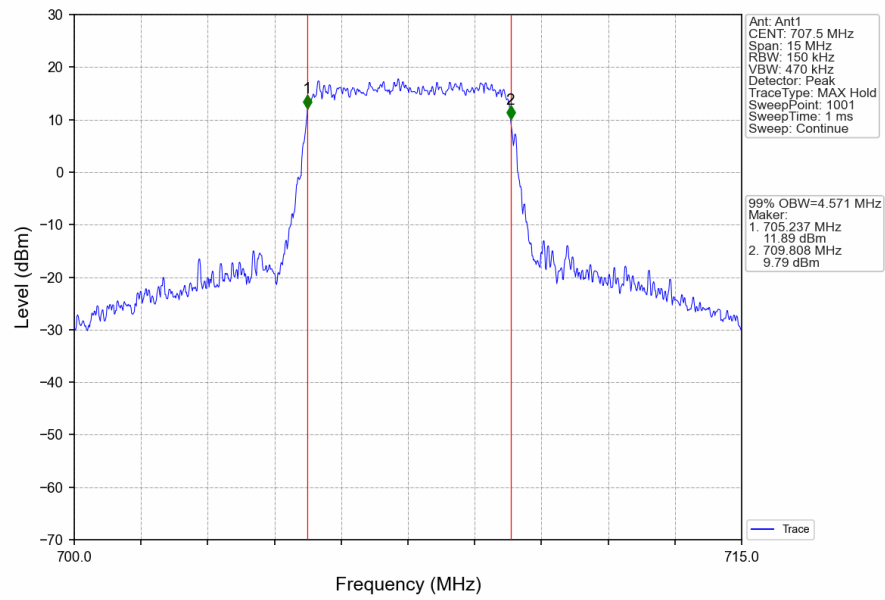
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



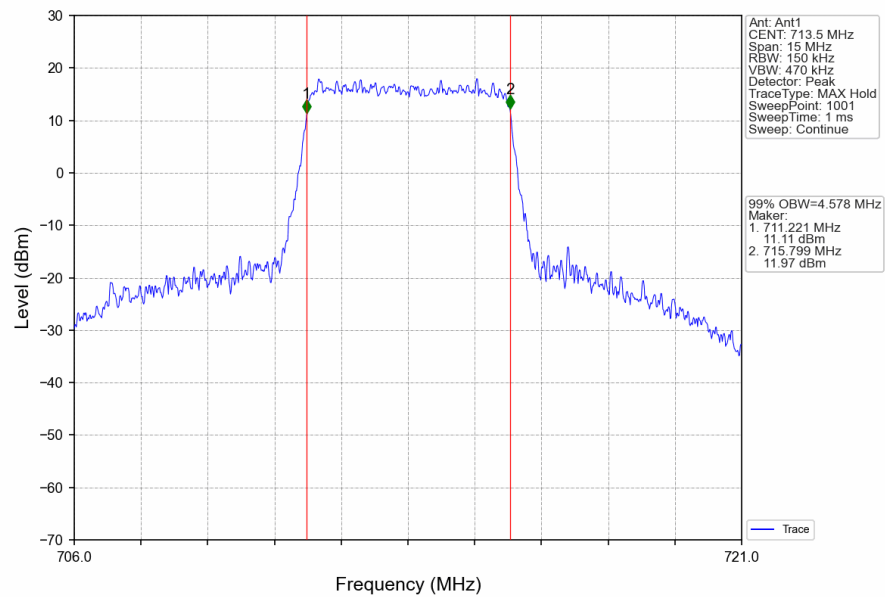
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



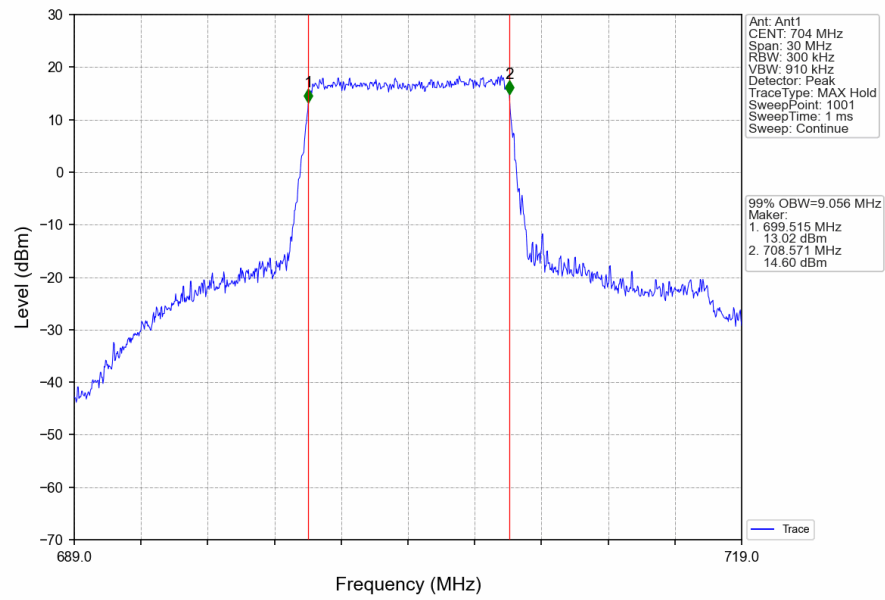
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



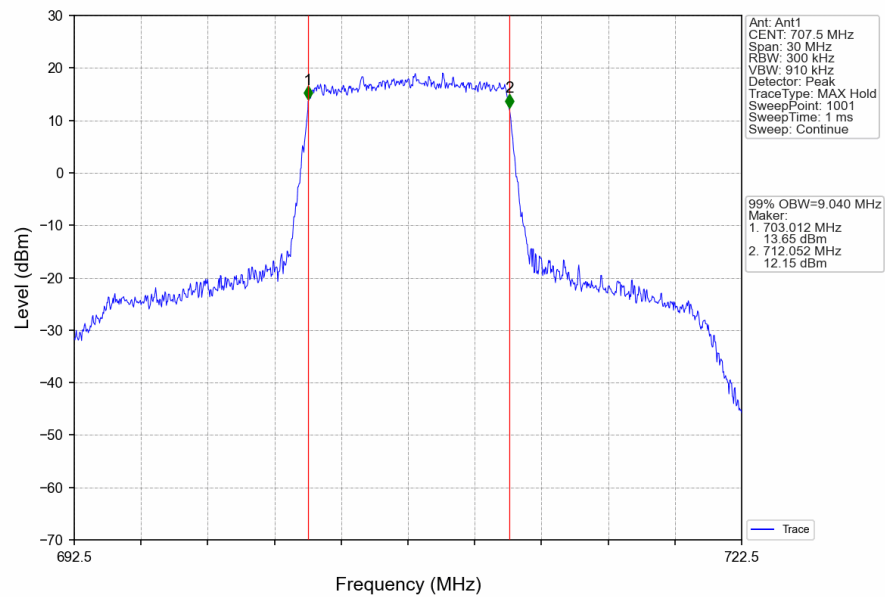
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



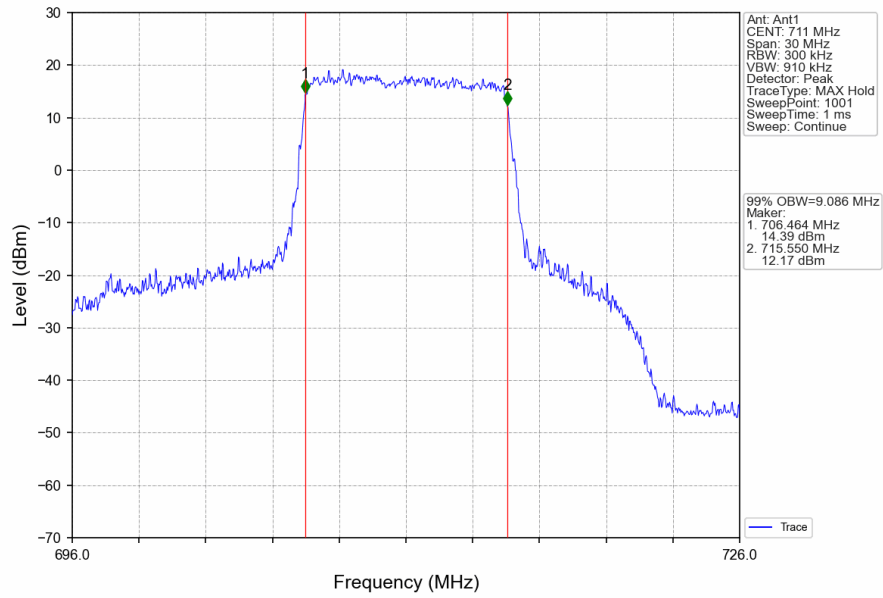
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



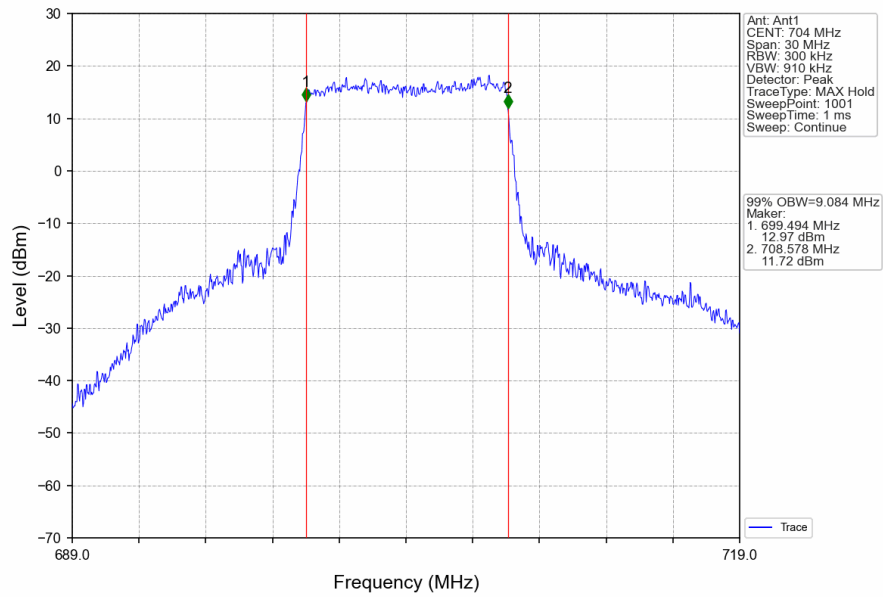
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



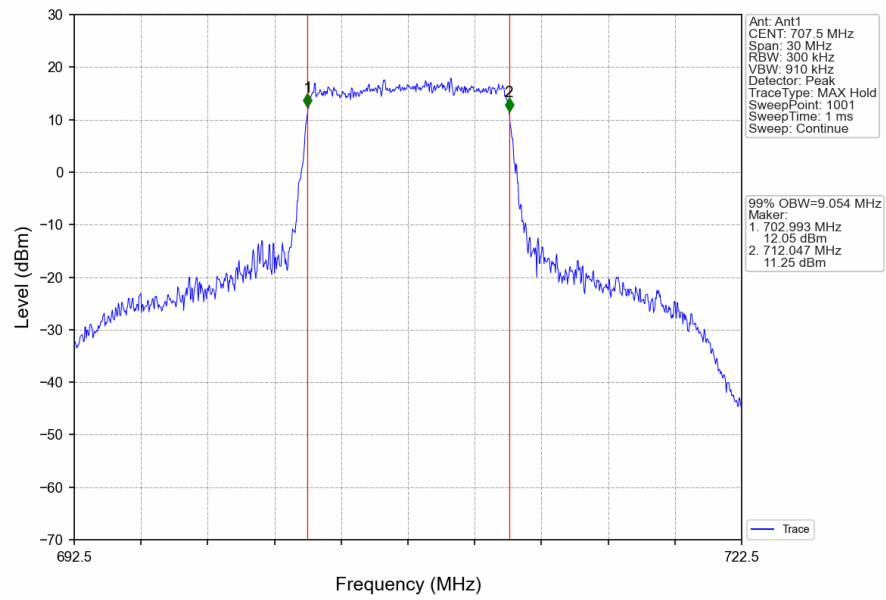
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



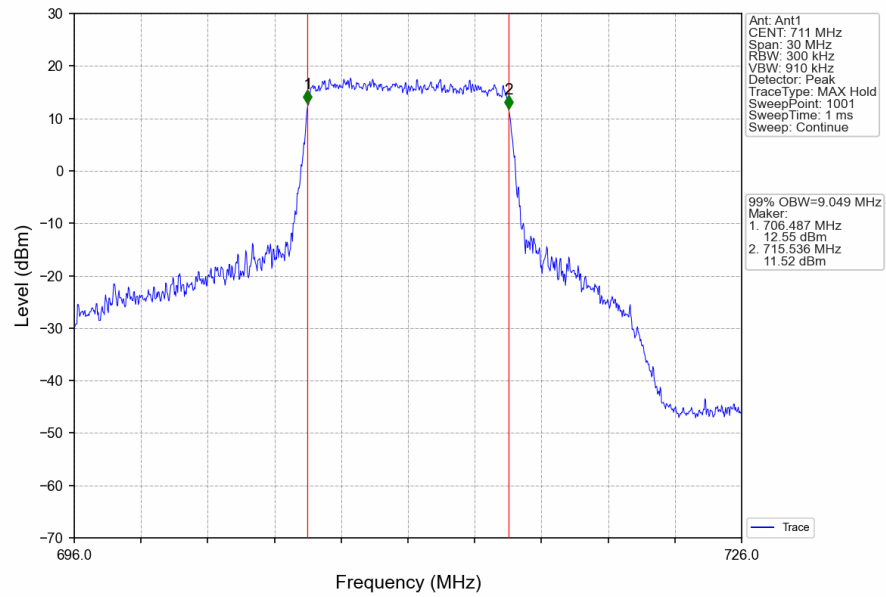
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

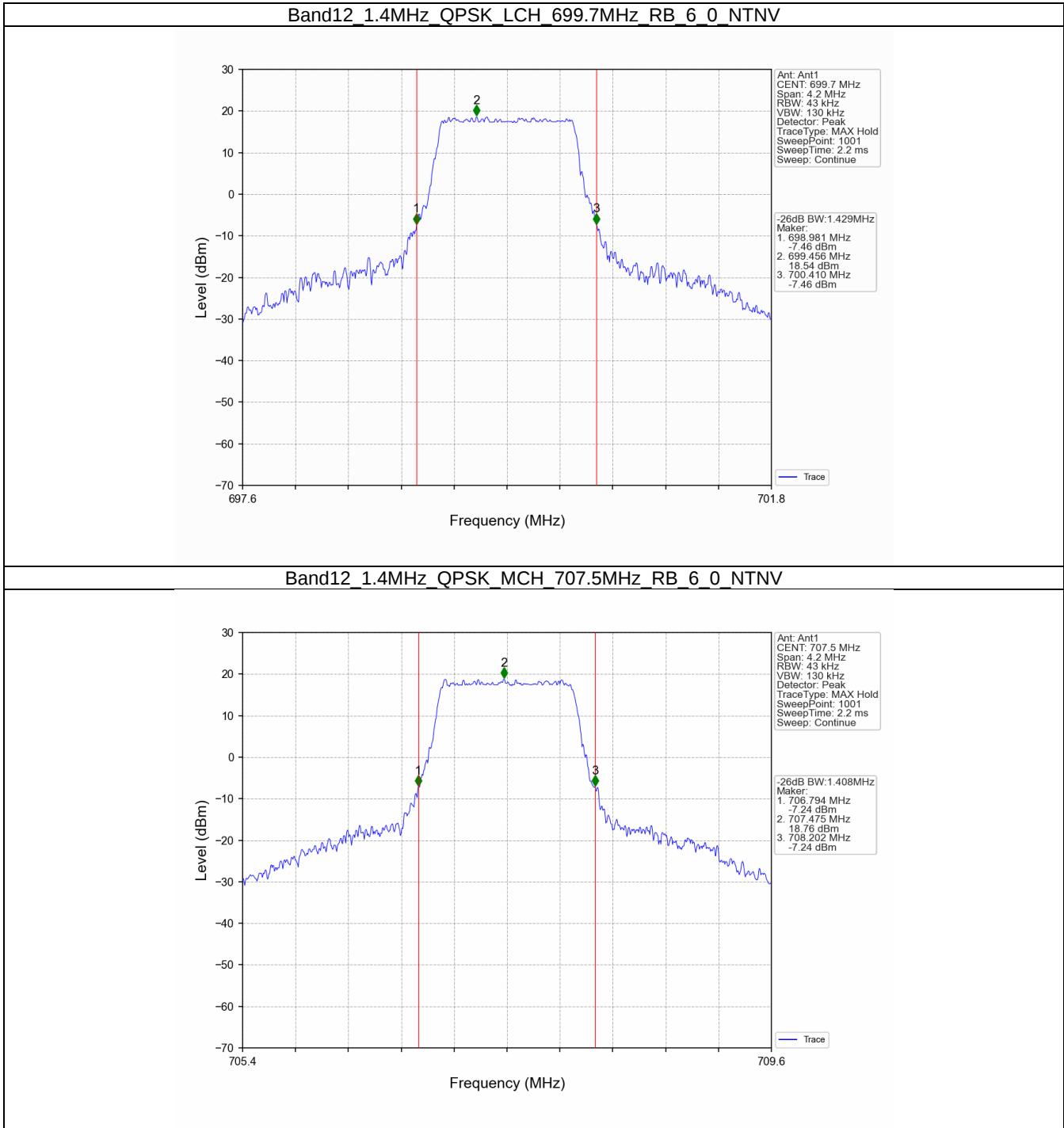


3.2 Band12_XDB

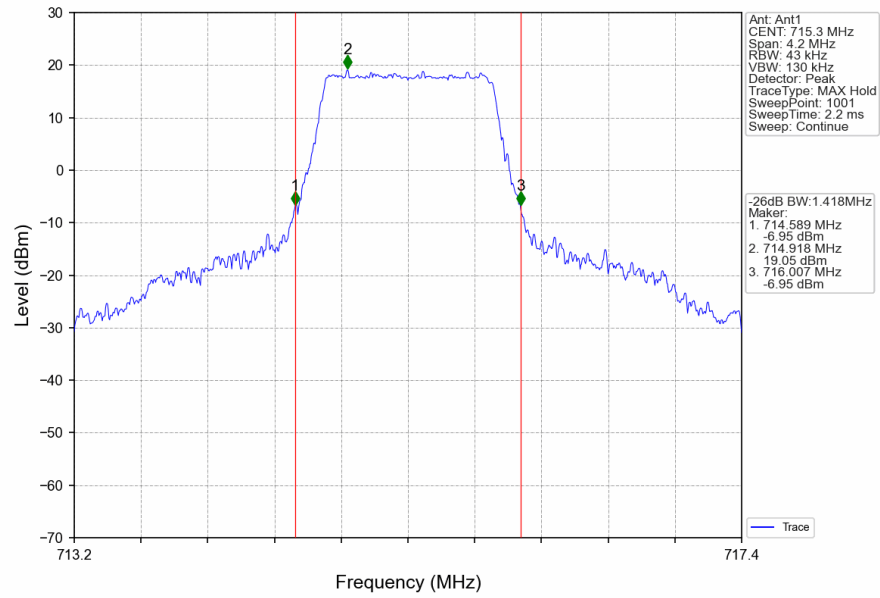
3.2.1 Test Result

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.429	/	Pass
		707.5	6	0	1.408	/	Pass
		715.3	6	0	1.418	/	Pass
	16QAM	699.7	6	0	1.412	/	Pass
		707.5	6	0	1.417	/	Pass
		715.3	6	0	1.417	/	Pass
3	QPSK	700.5	15	0	3.091	/	Pass
		707.5	15	0	3.121	/	Pass
		714.5	15	0	3.162	/	Pass
	16QAM	700.5	15	0	3.123	/	Pass
		707.5	15	0	3.139	/	Pass
		714.5	15	0	3.180	/	Pass
5	QPSK	701.5	25	0	5.229	/	Pass
		707.5	25	0	5.126	/	Pass
		713.5	25	0	5.275	/	Pass
	16QAM	701.5	25	0	5.313	/	Pass
		707.5	25	0	5.255	/	Pass
		713.5	25	0	5.275	/	Pass
10	QPSK	704	50	0	10.290	/	Pass
		707.5	50	0	10.109	/	Pass
		711	50	0	10.156	/	Pass
	16QAM	704	50	0	10.244	/	Pass
		707.5	50	0	10.124	/	Pass
		711	50	0	10.139	/	Pass

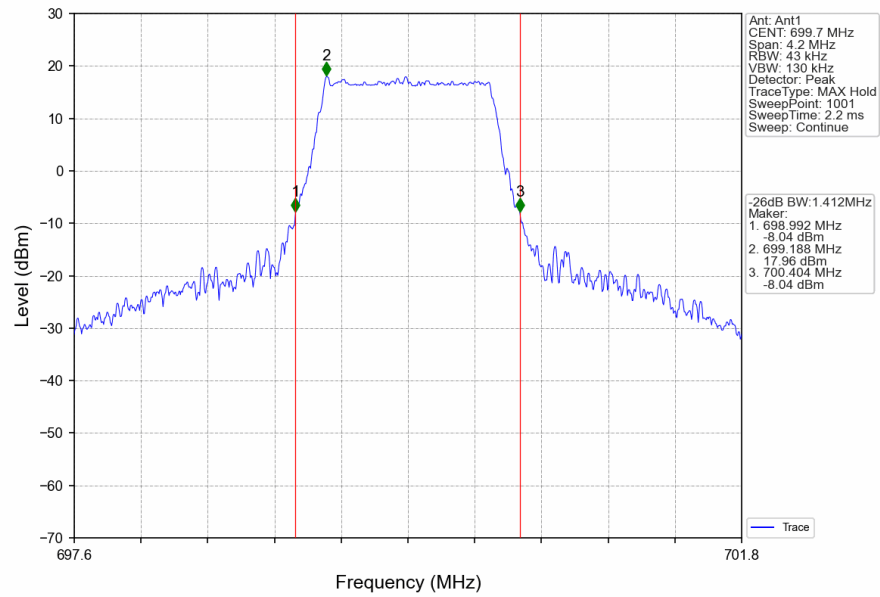
3.2.2 Test Graph



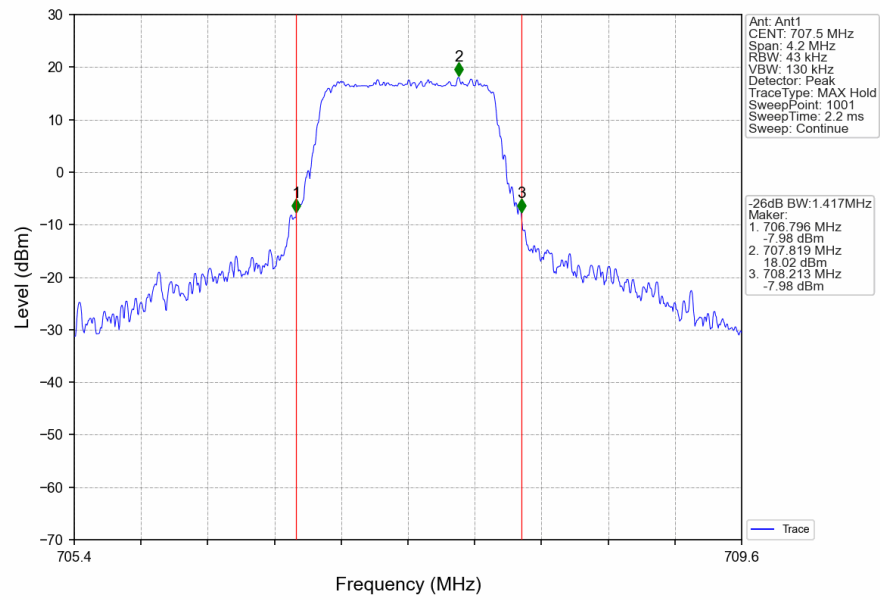
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



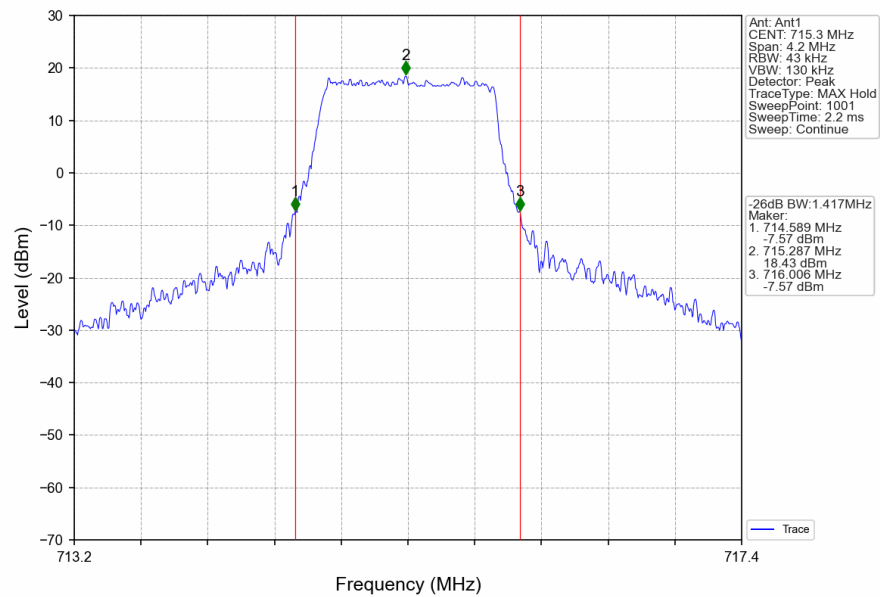
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



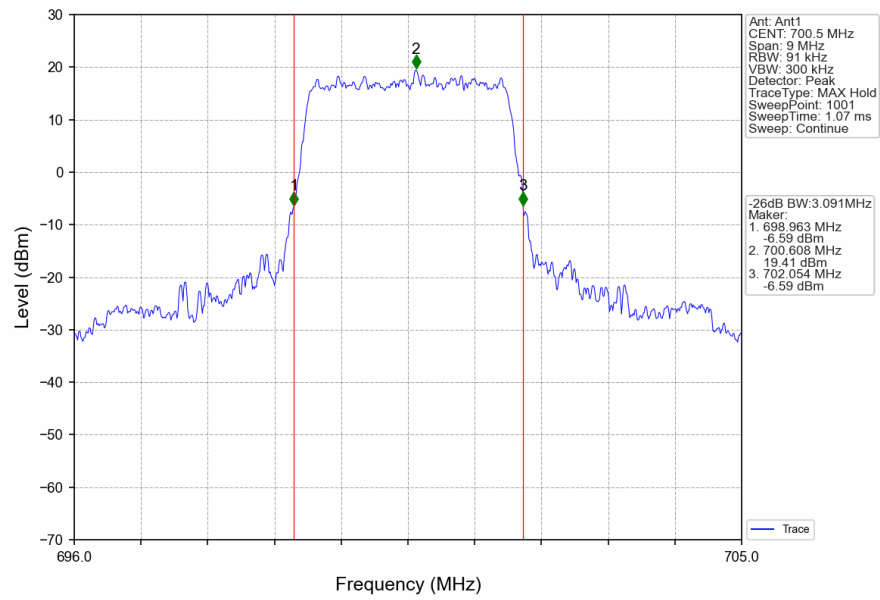
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



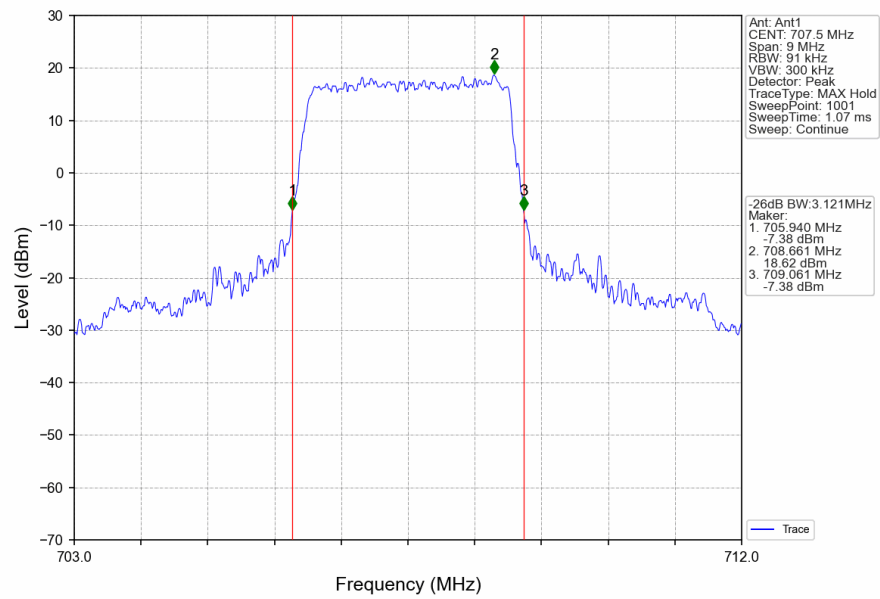
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



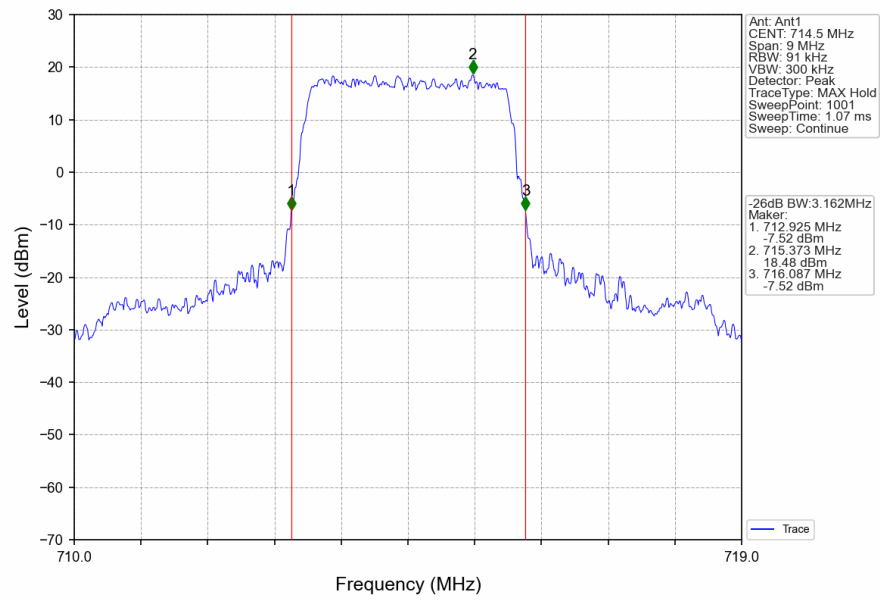
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



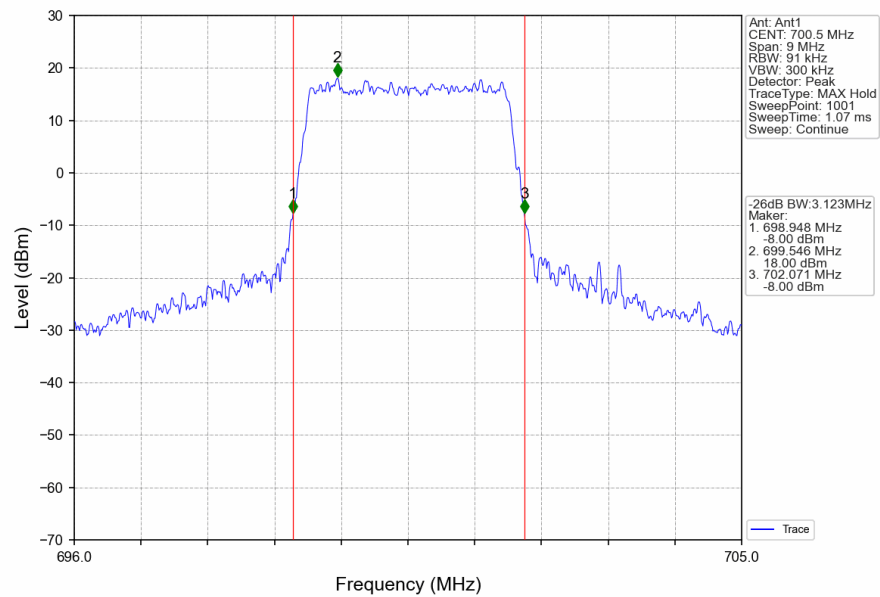
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



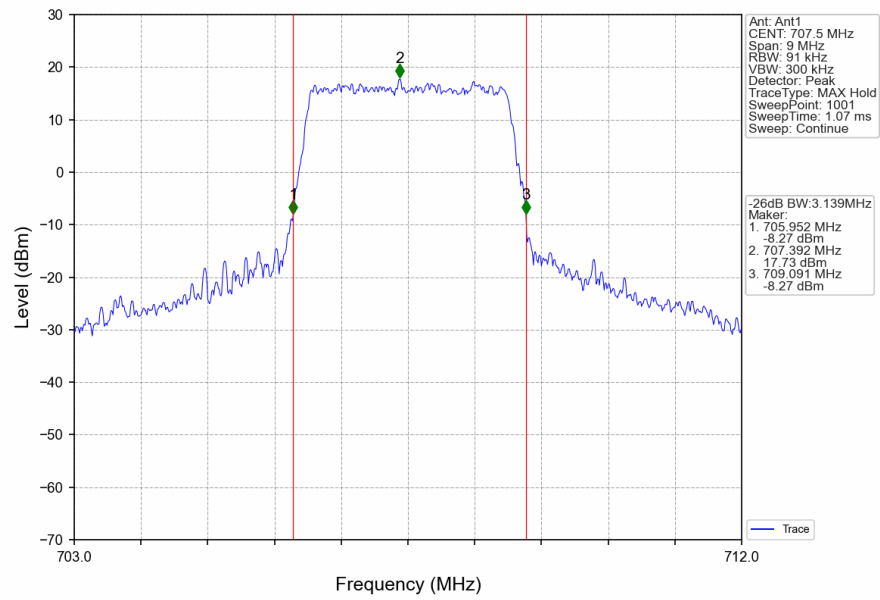
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



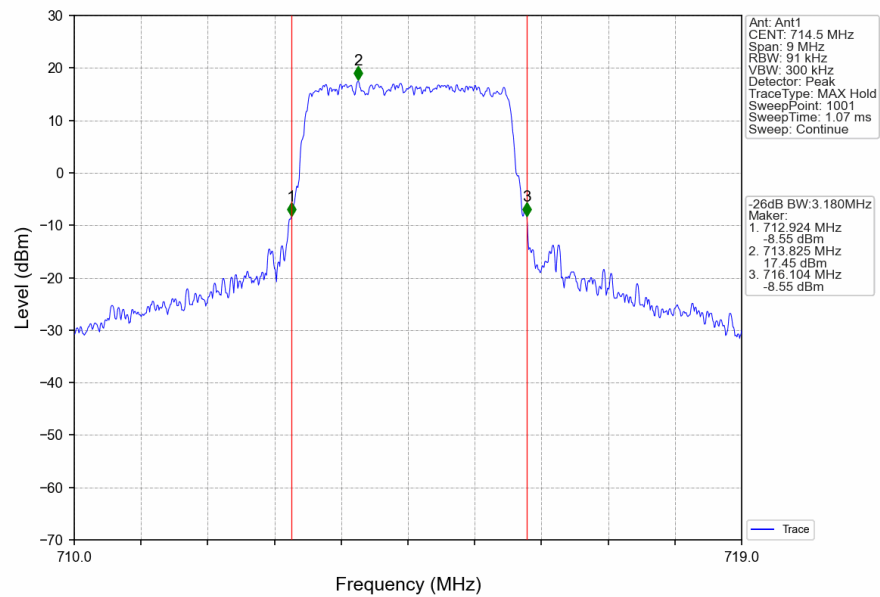
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



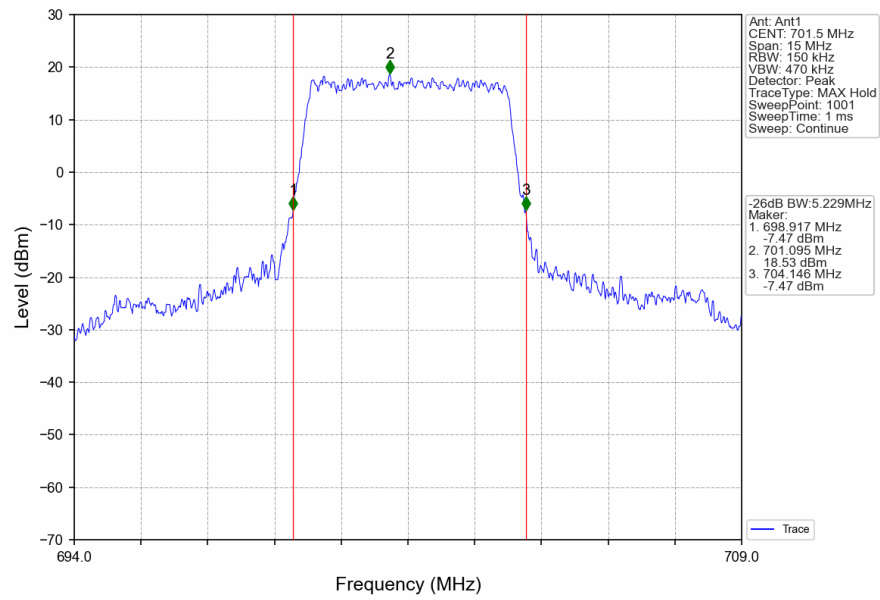
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



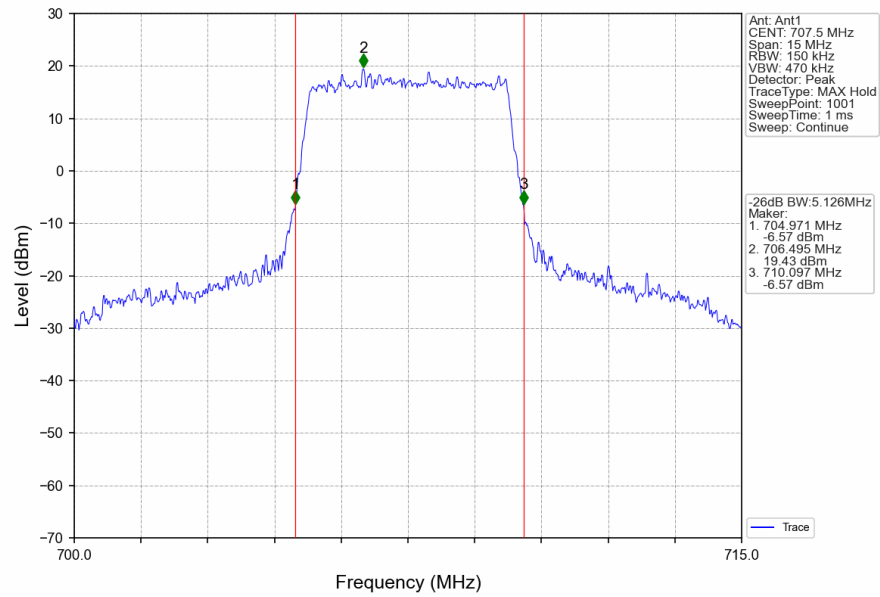
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



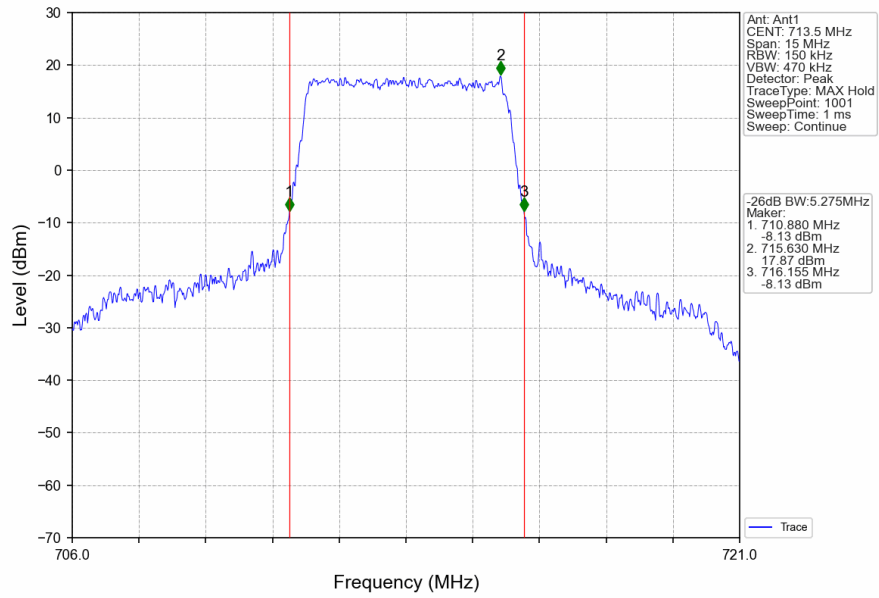
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



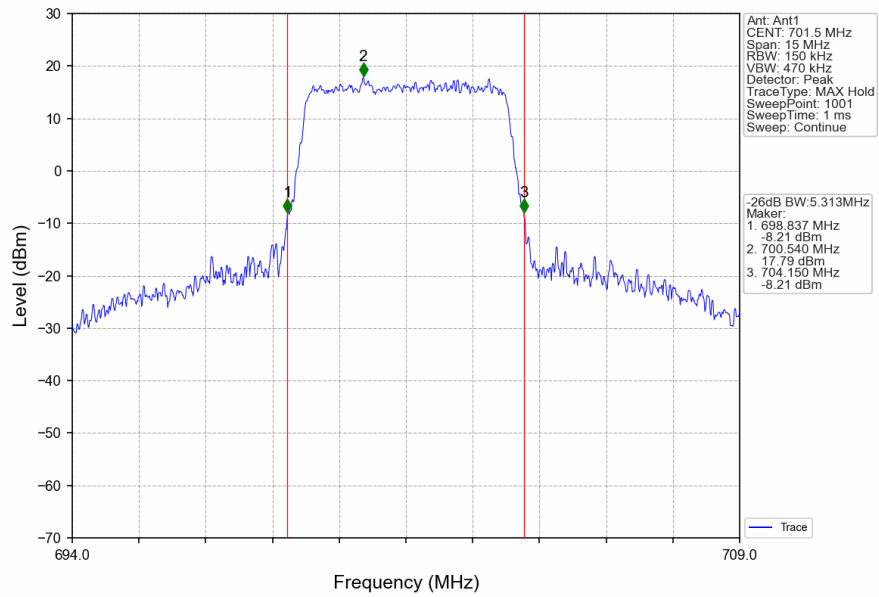
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



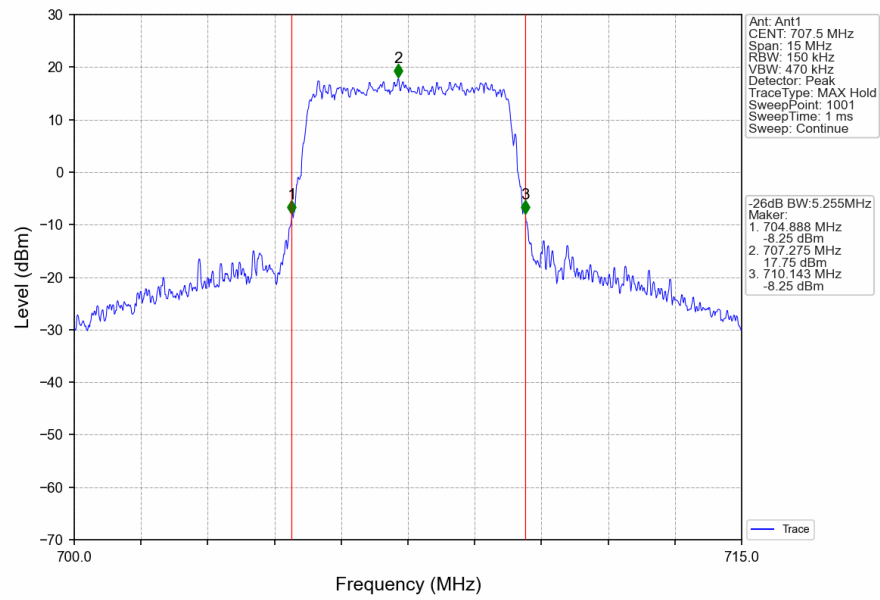
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



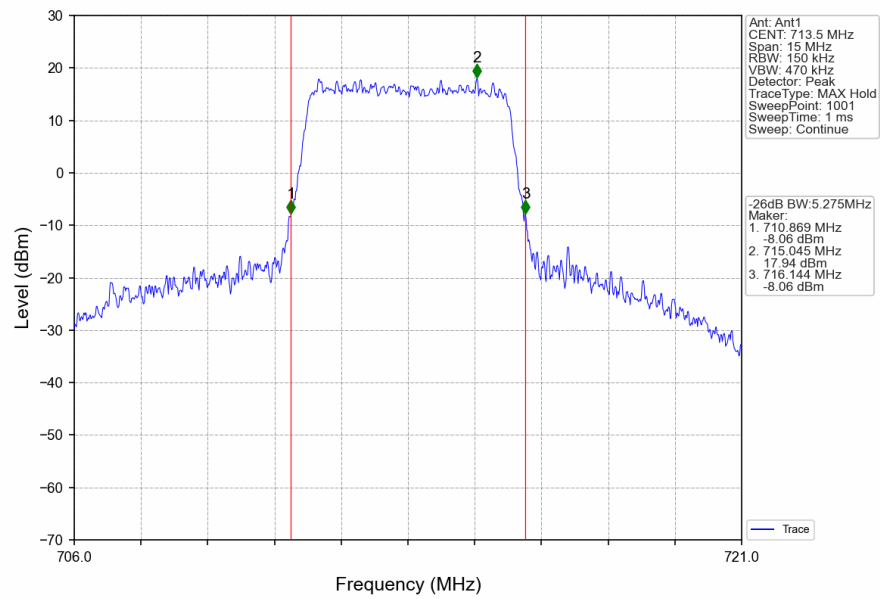
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



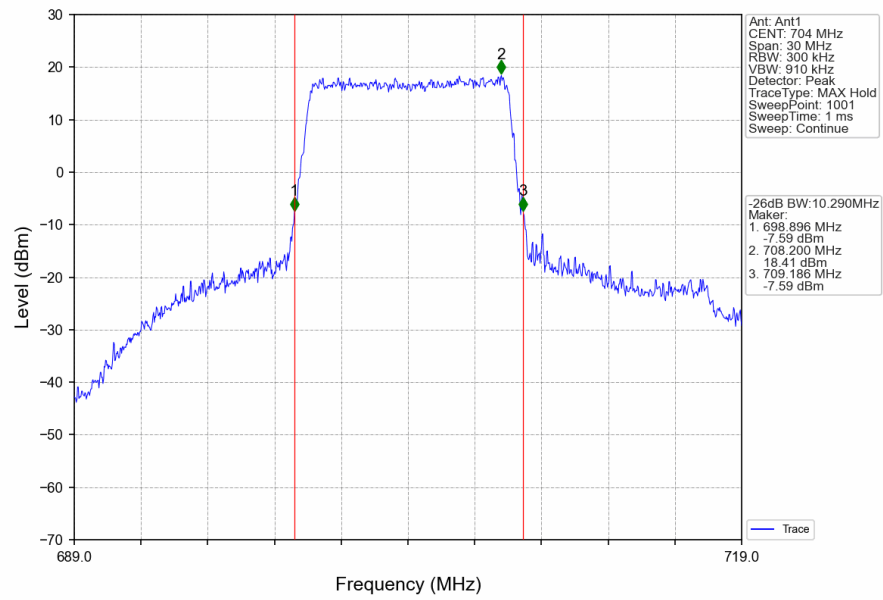
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



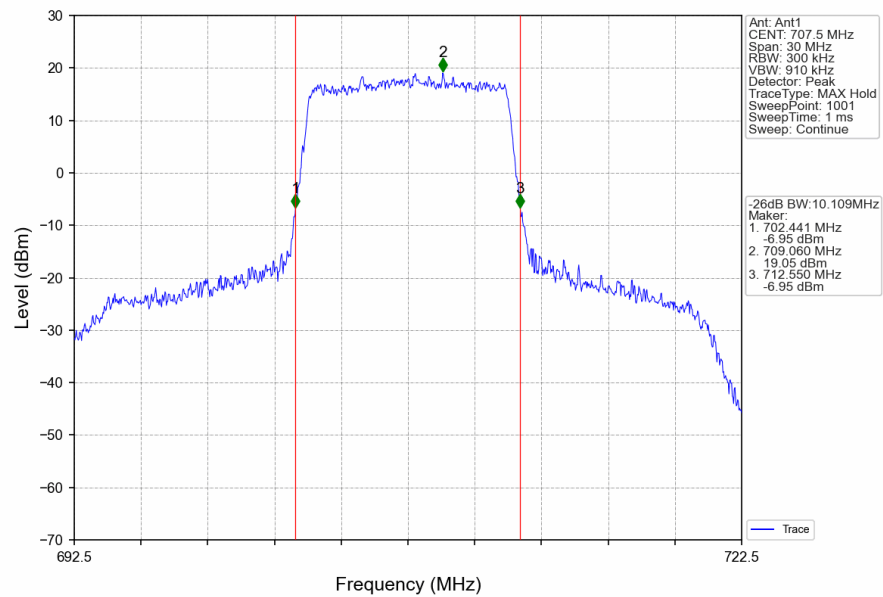
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



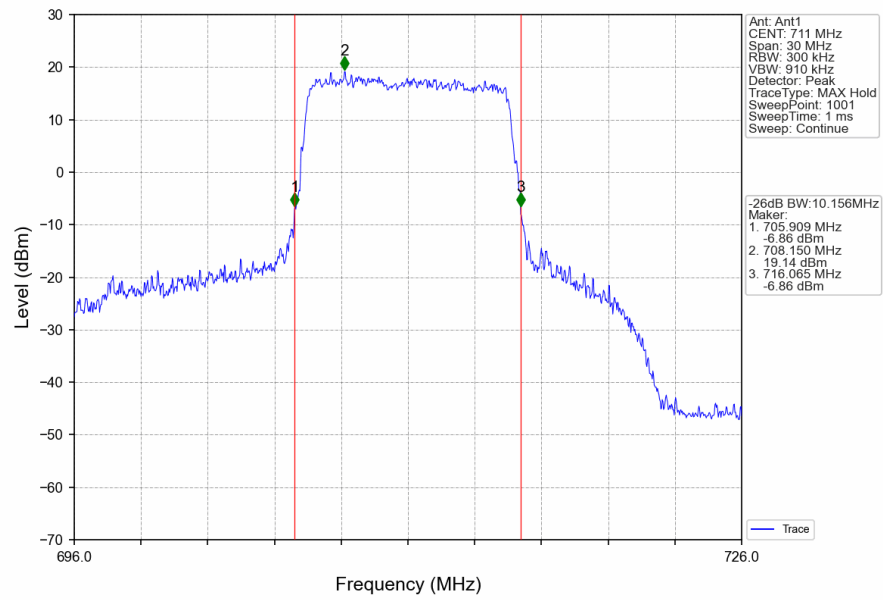
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



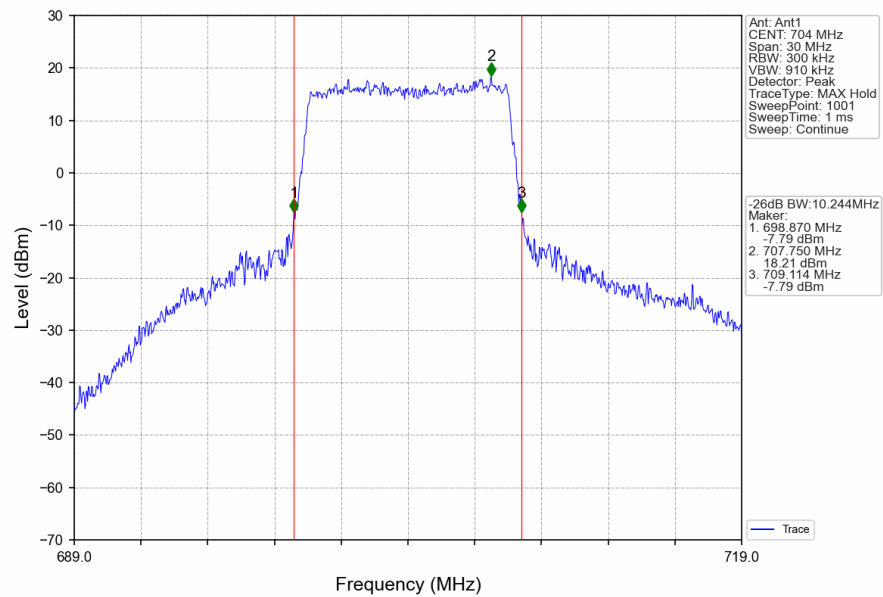
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



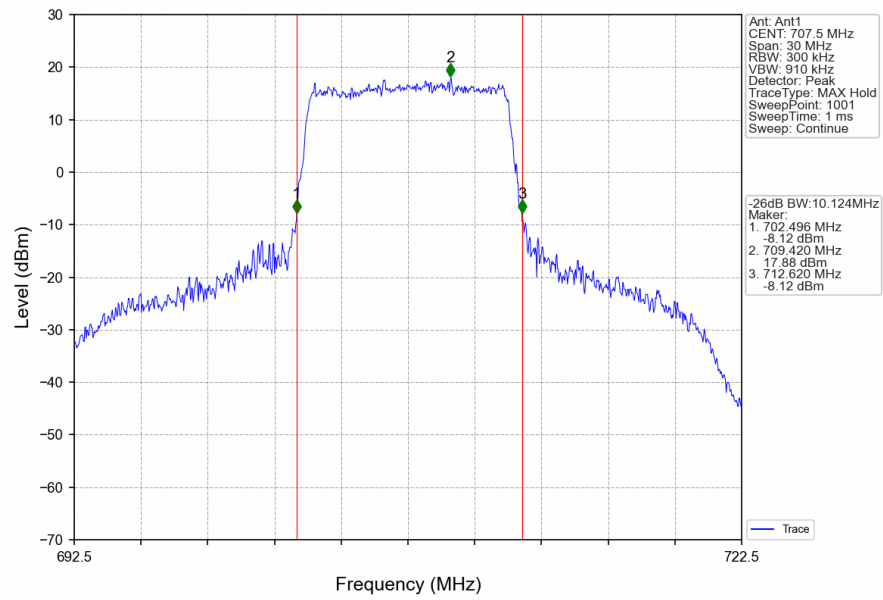
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



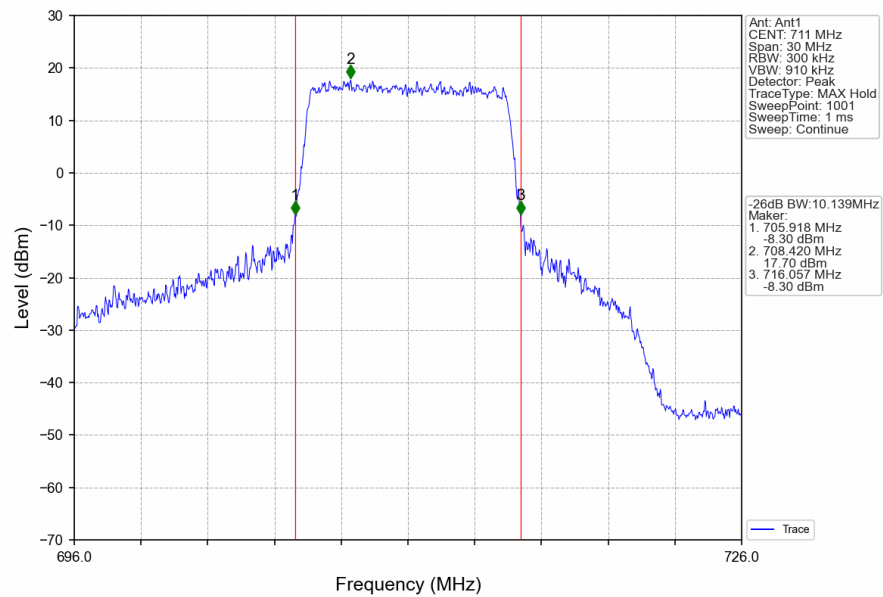
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



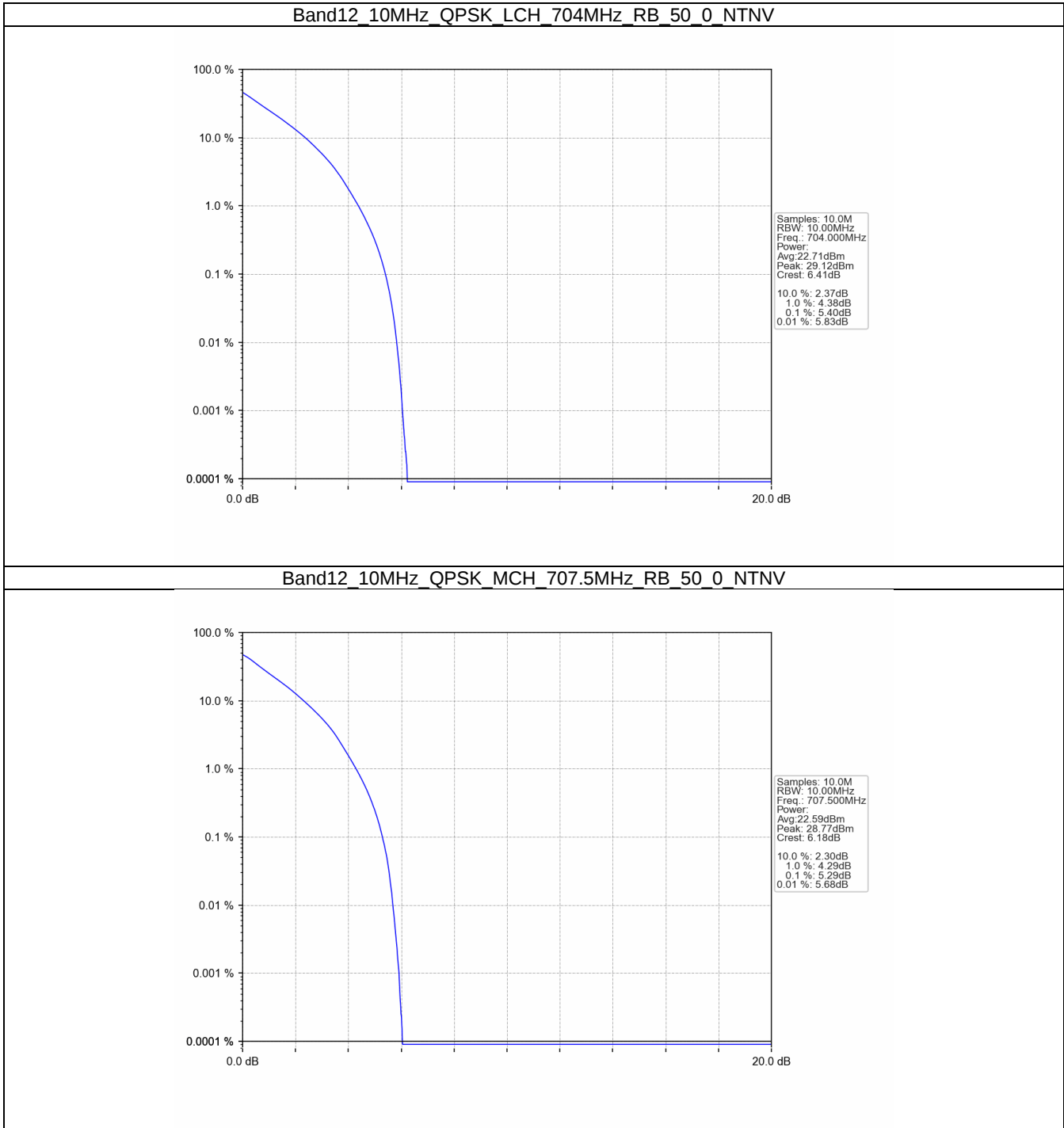
4. Peak-Average Ratio

4.1 B12_10MHz

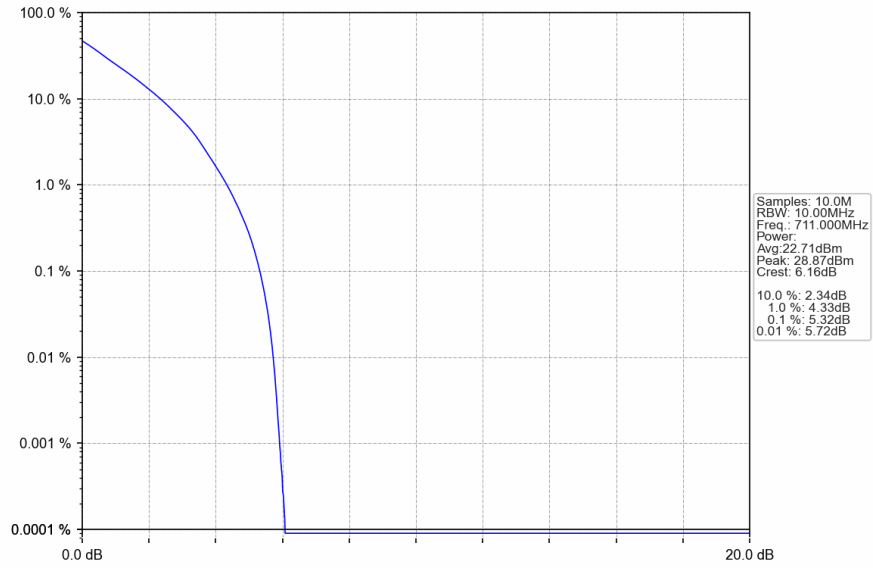
4.1.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.40	<=13	Pass
	707.5	50	0	5.29	<=13	Pass
	711	50	0	5.32	<=13	Pass
16QAM	704	50	0	6.16	<=13	Pass
	707.5	50	0	6.07	<=13	Pass
	711	50	0	6.11	<=13	Pass

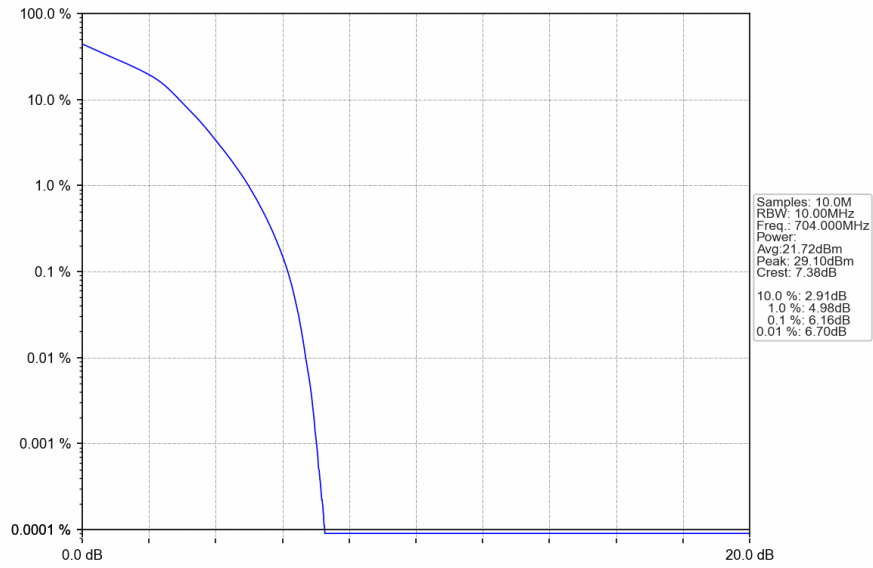
4.1.2 Test Graph



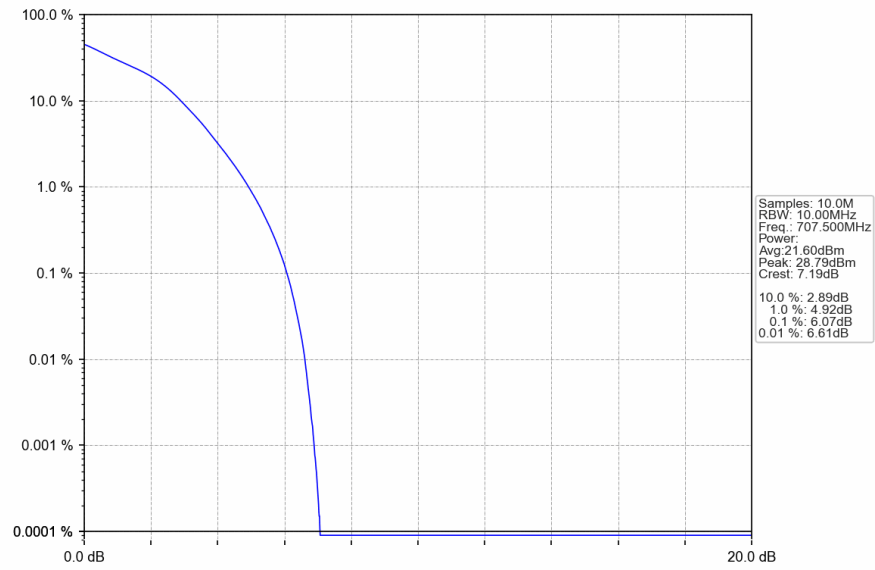
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



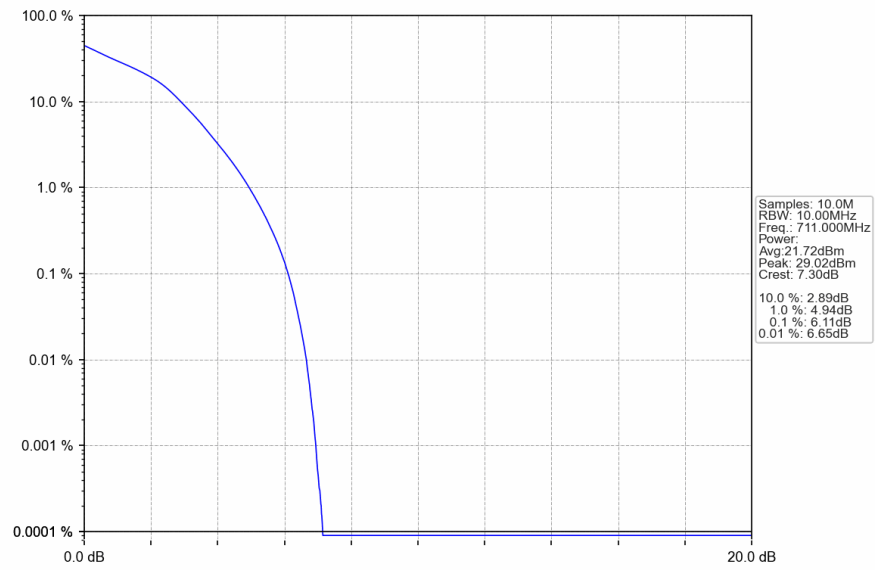
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



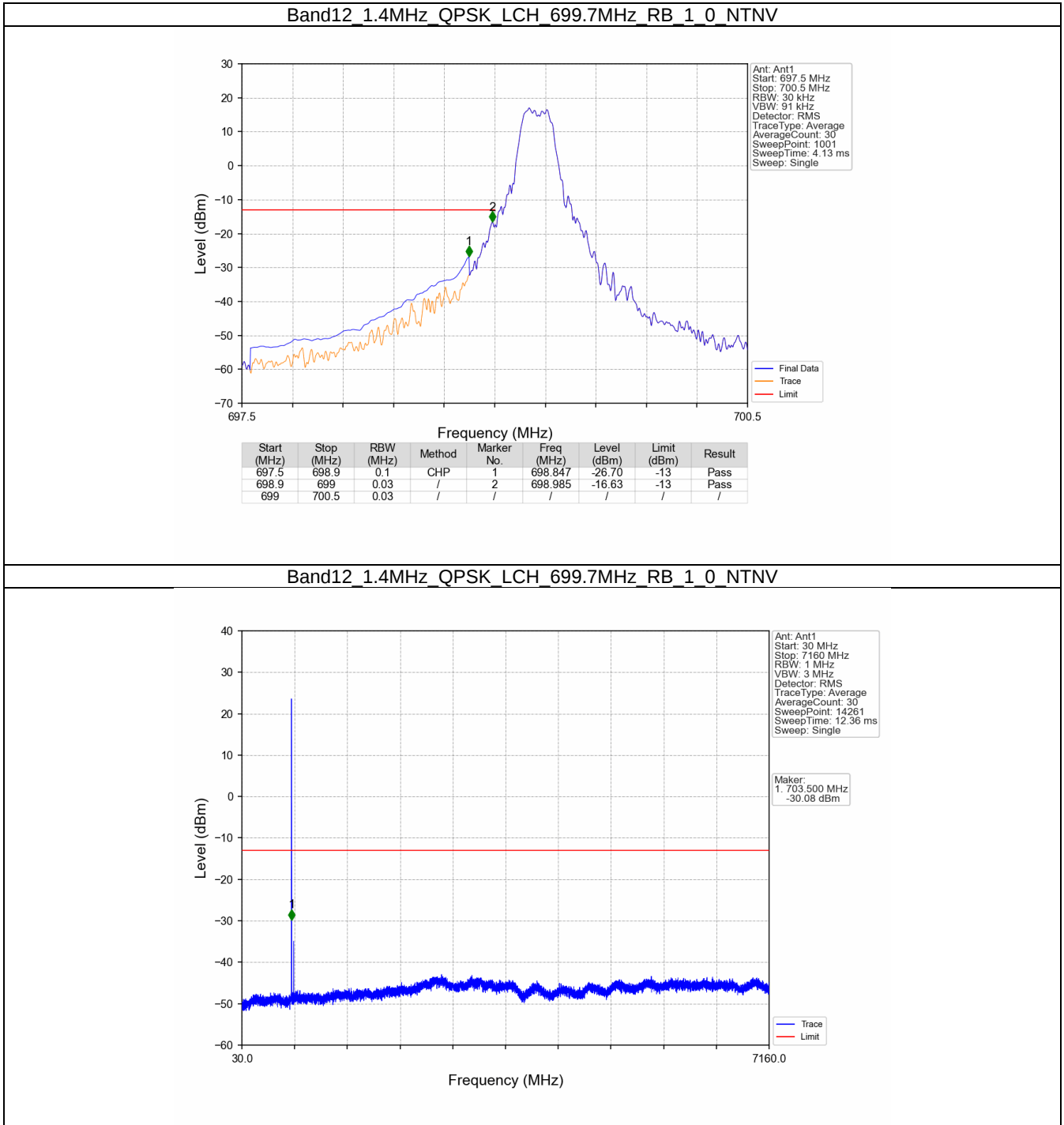
5. Spurious Emission

5.1 B12_1.4MHz

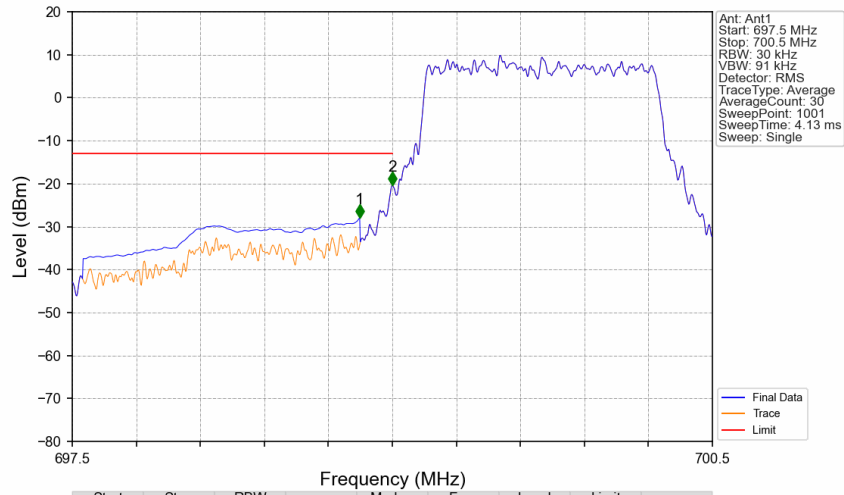
5.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	699.7	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	715.3	1	5	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass

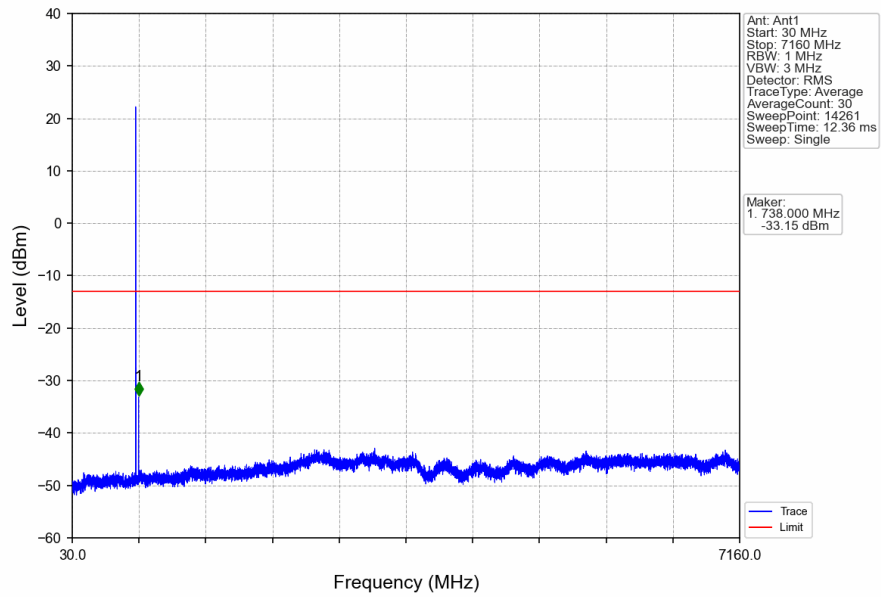
5.1.2 Test Graph



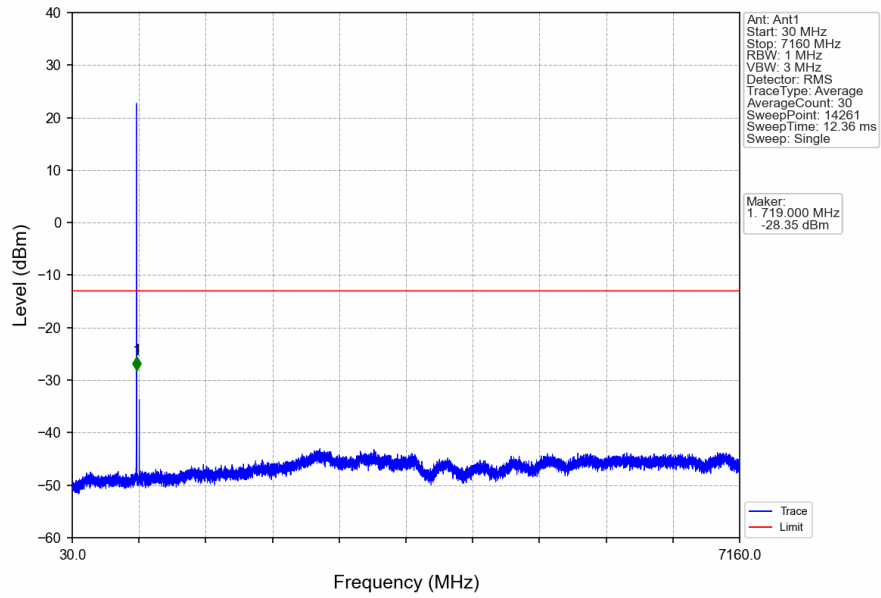
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



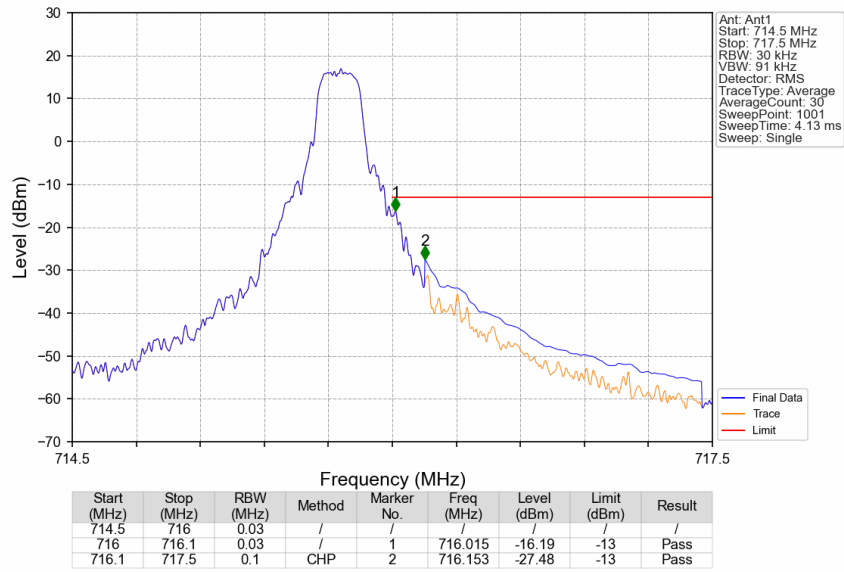
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



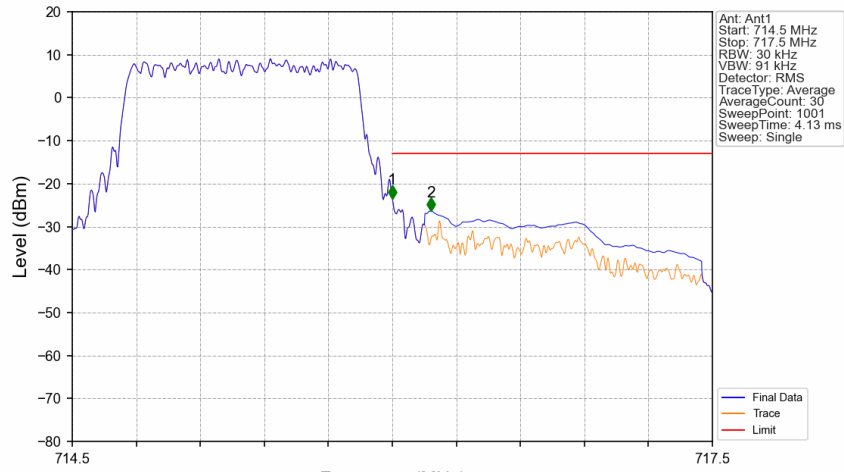
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



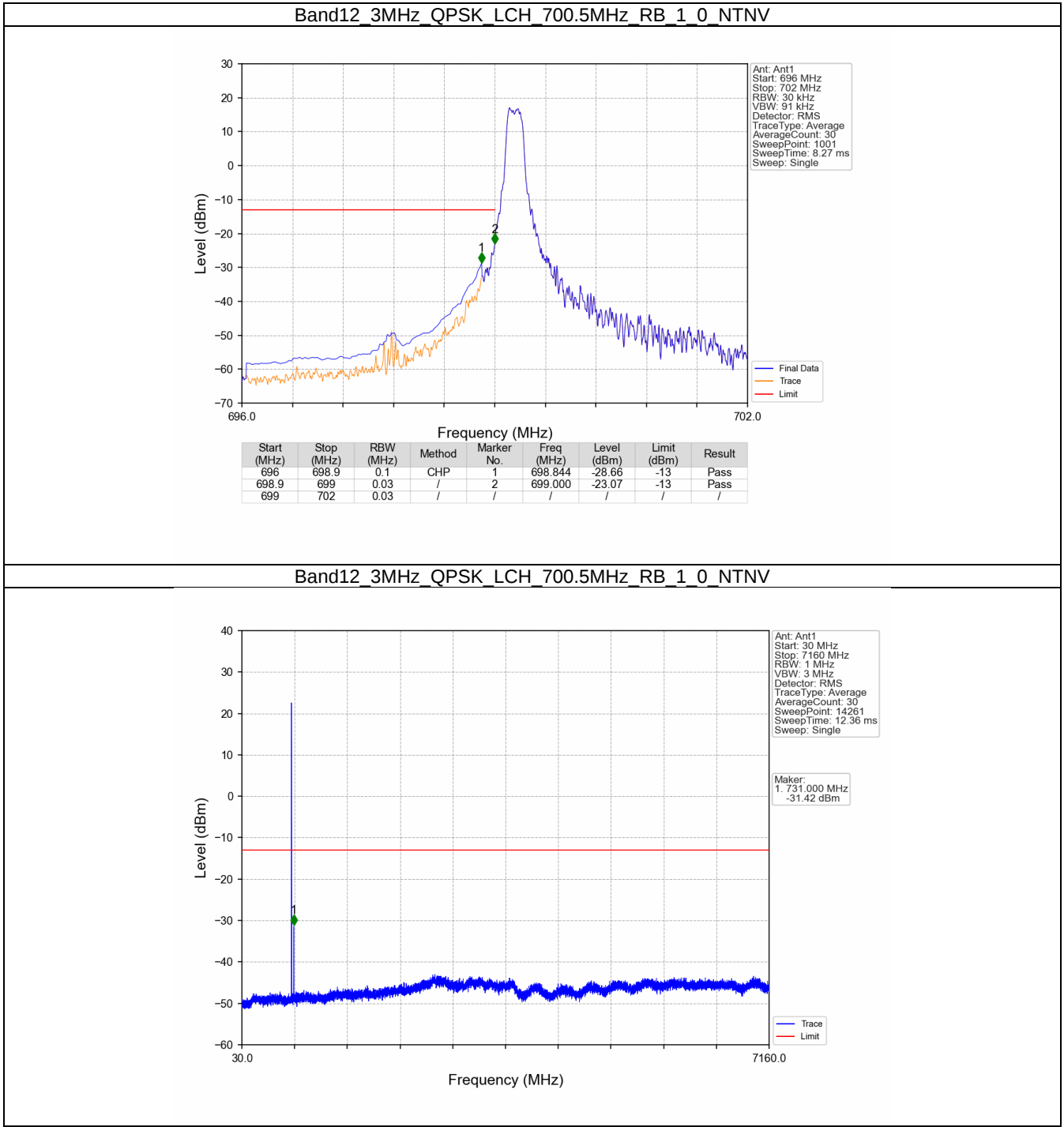
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-23.50	-13	Pass
716.1	717.5	0.1	CHP	2	716.180	-26.36	-13	Pass

5.2 B12_3MHz

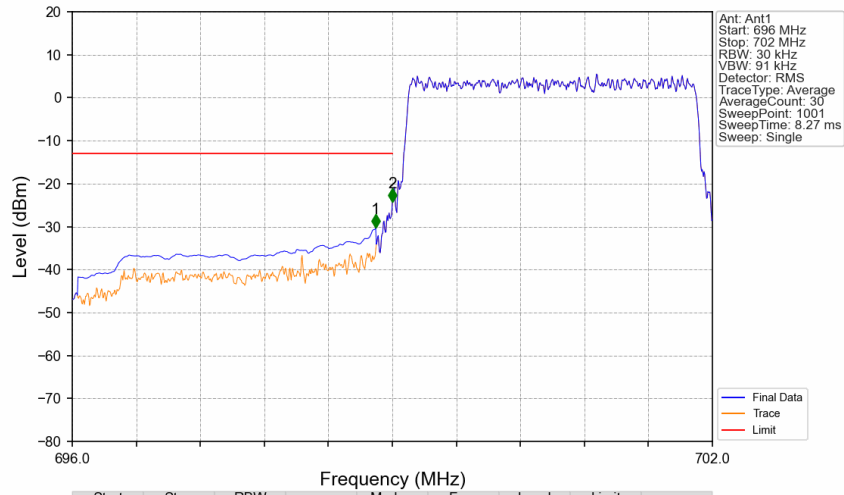
5.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

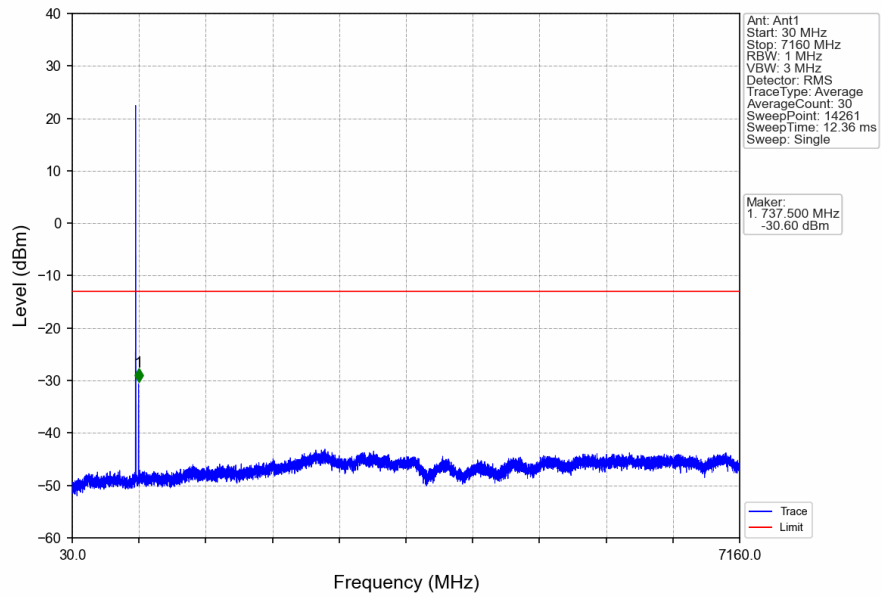
5.2.2 Test Graph



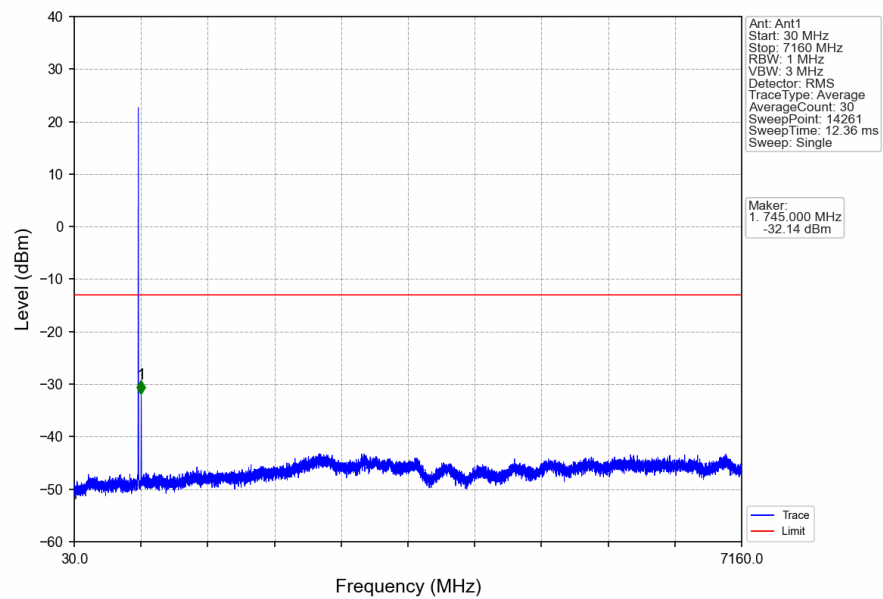
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



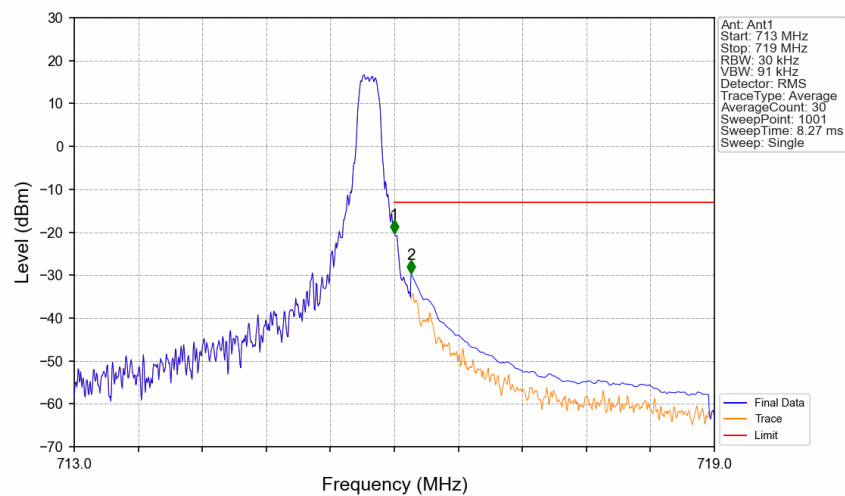
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTNV

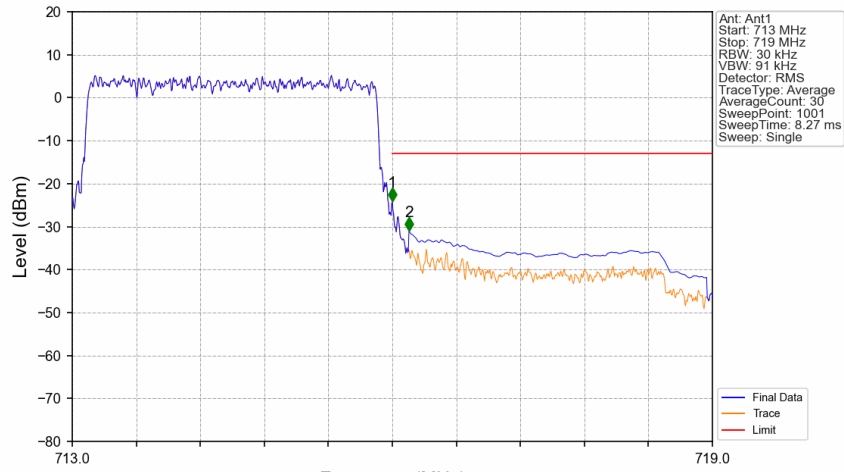


Band12 3MHz QPSK HCH 714.5MHz RB 1 14 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716.1	716.1	0.03	/	1	716.000	-20.25	-13	Pass
716.1	719	0.1	CHP	2	716.156	-29.68	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



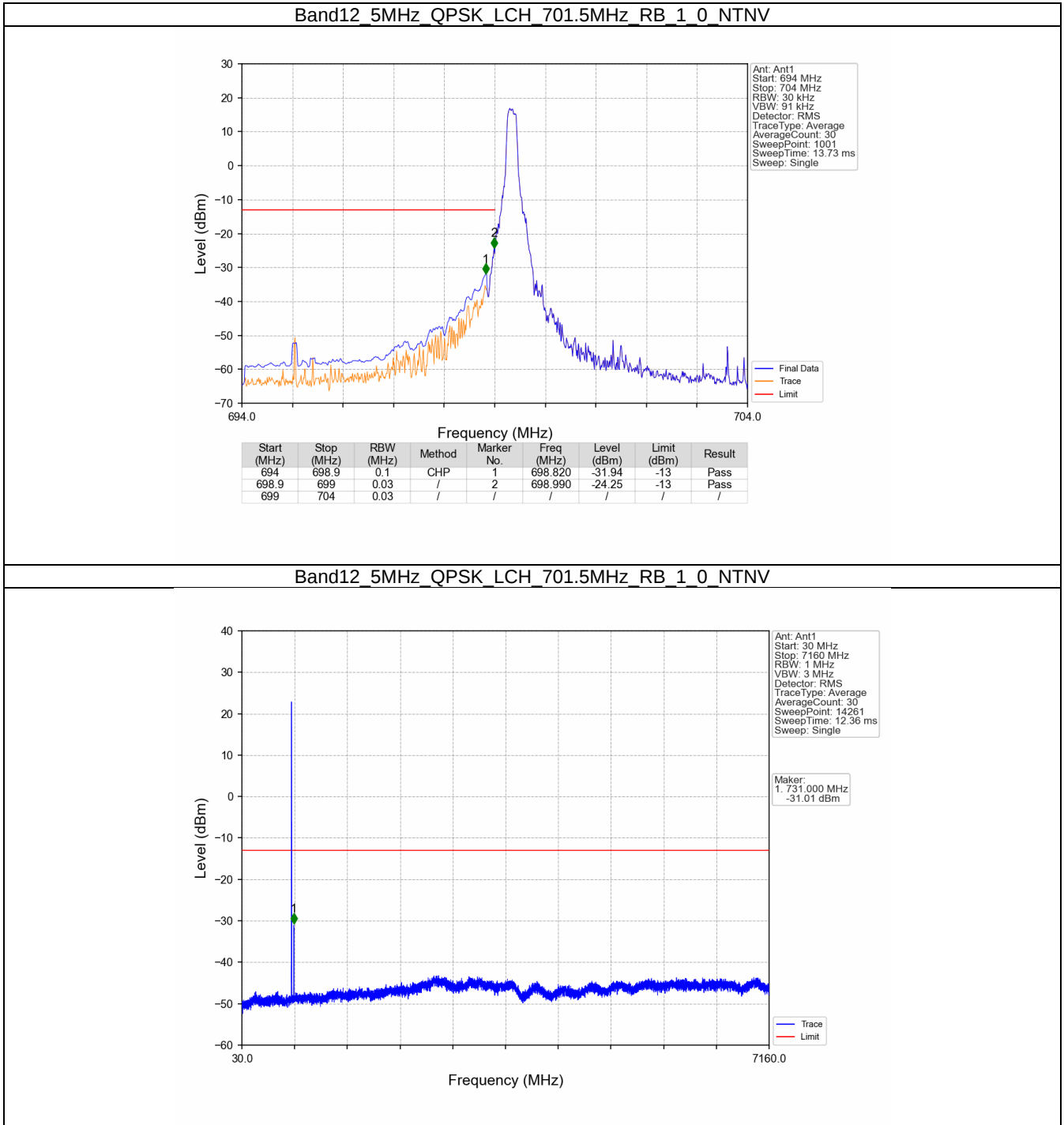
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-24.14	-13	Pass
716.1	719	0.1	CHP	2	716.156	-31.01	-13	Pass

5.3 B12_5MHz

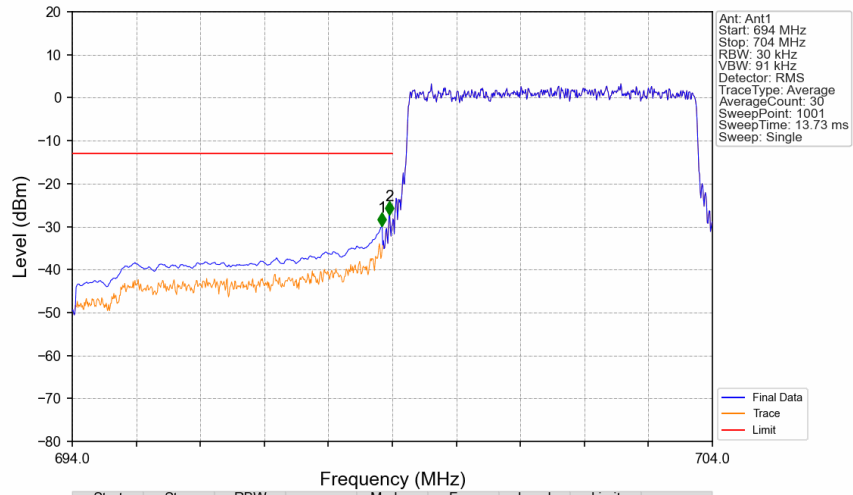
5.3.1 Test Result

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

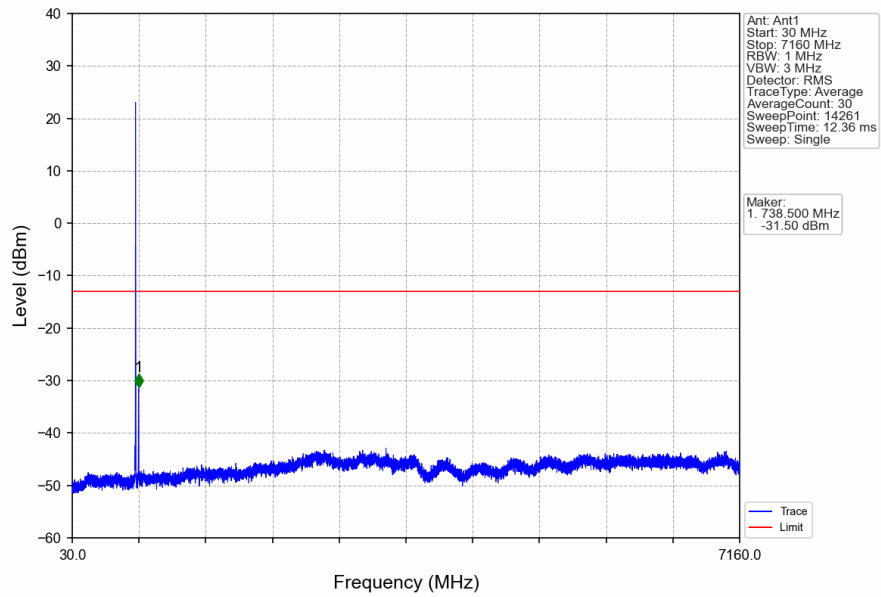
5.3.2 Test Graph



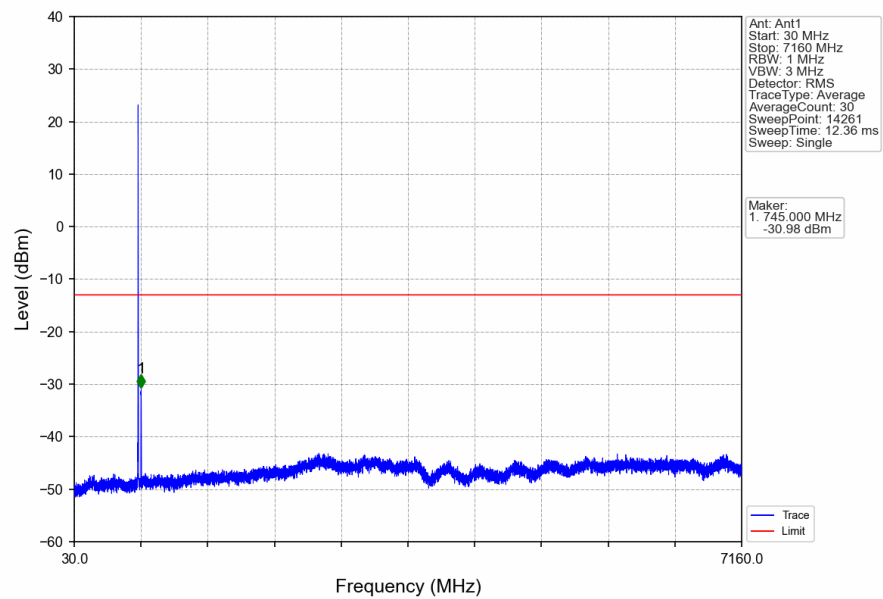
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



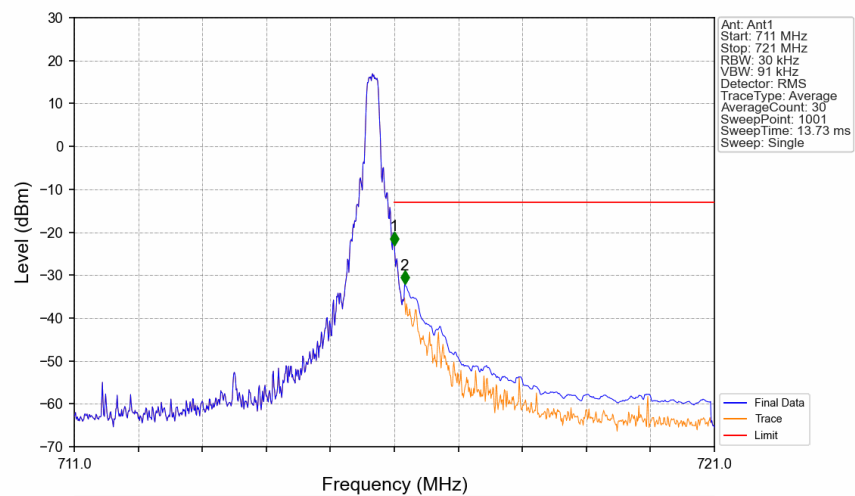
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTN

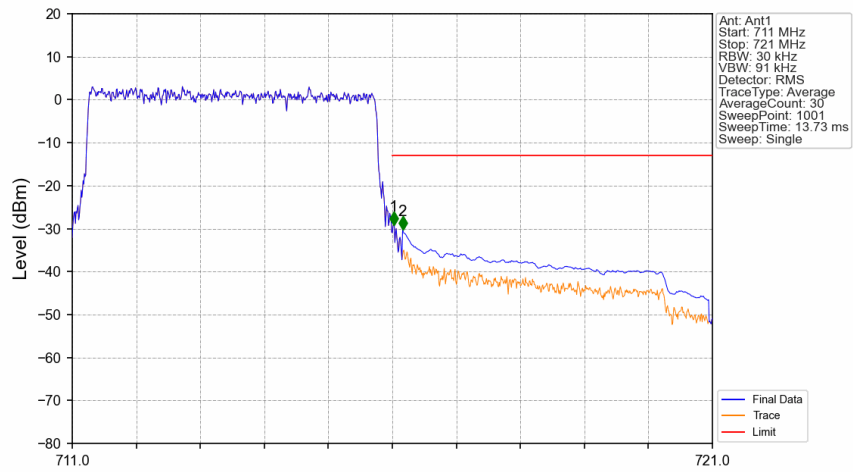


Band12 5MHz QPSK HCH 713.5MHz RB 1 24 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-23.00	-13	Pass
716.1	721	0.1	CHP	2	716.160	-32.11	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



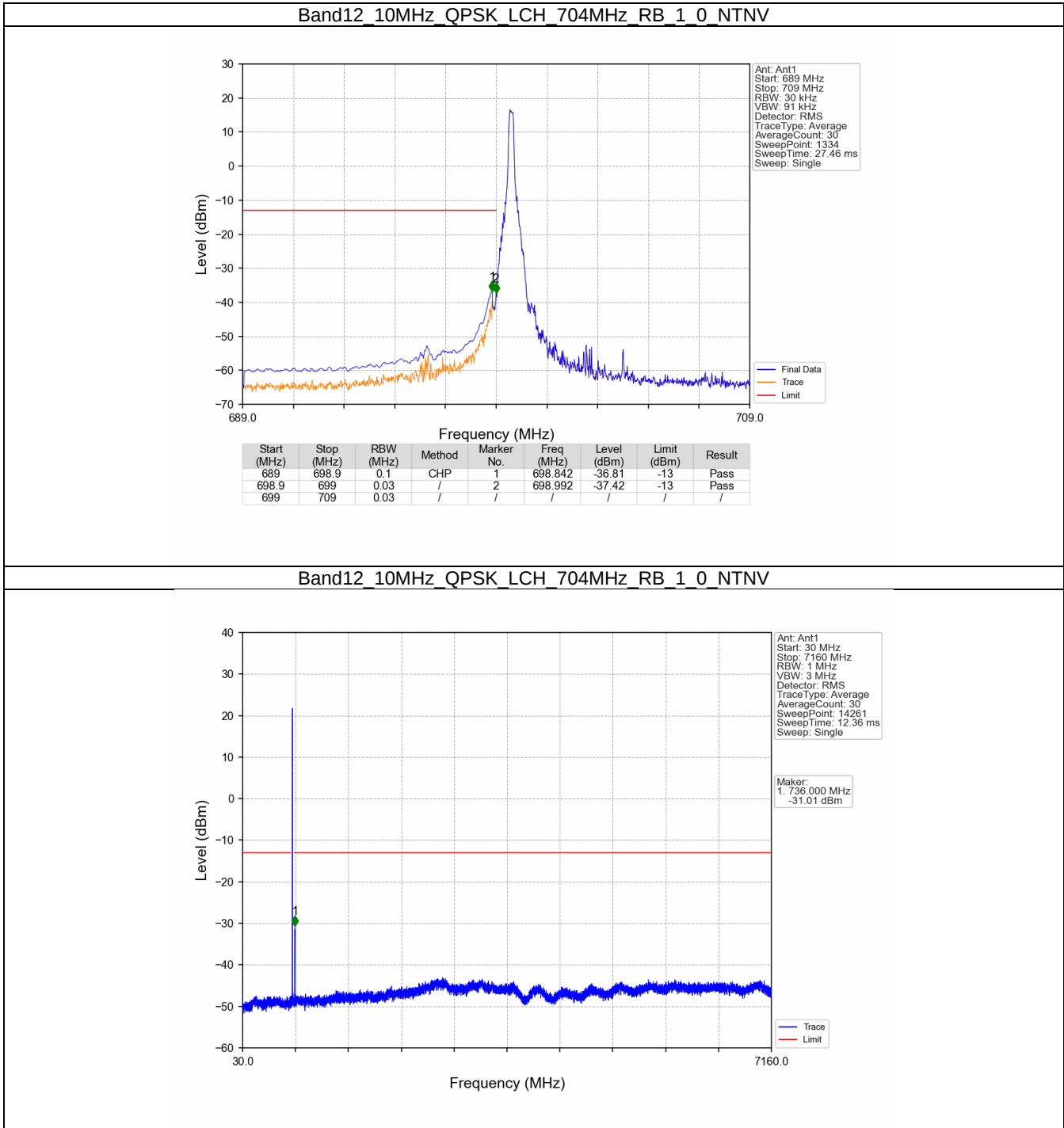
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-29.15	-13	Pass
716.1	721	0.1	CHP	2	716.160	-30.23	-13	Pass

5.4 B12_10MHz

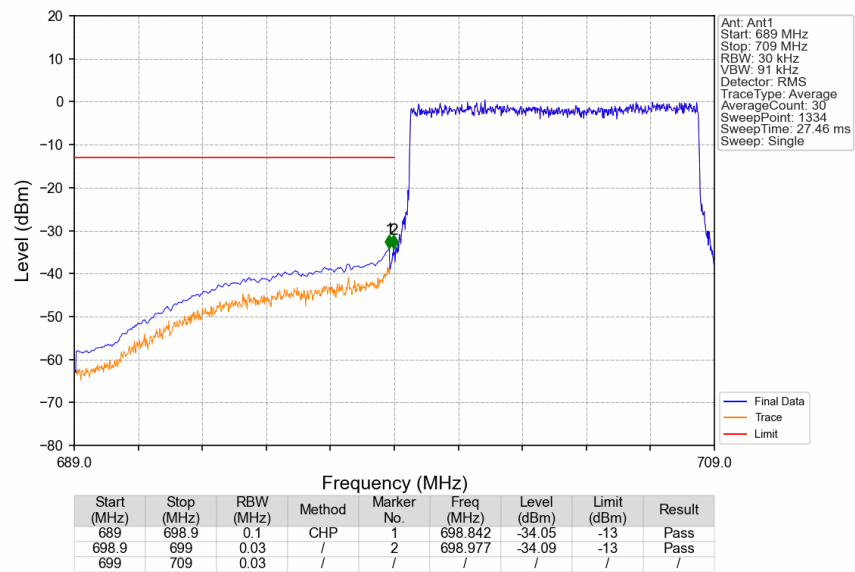
5.4.1 Test Result

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

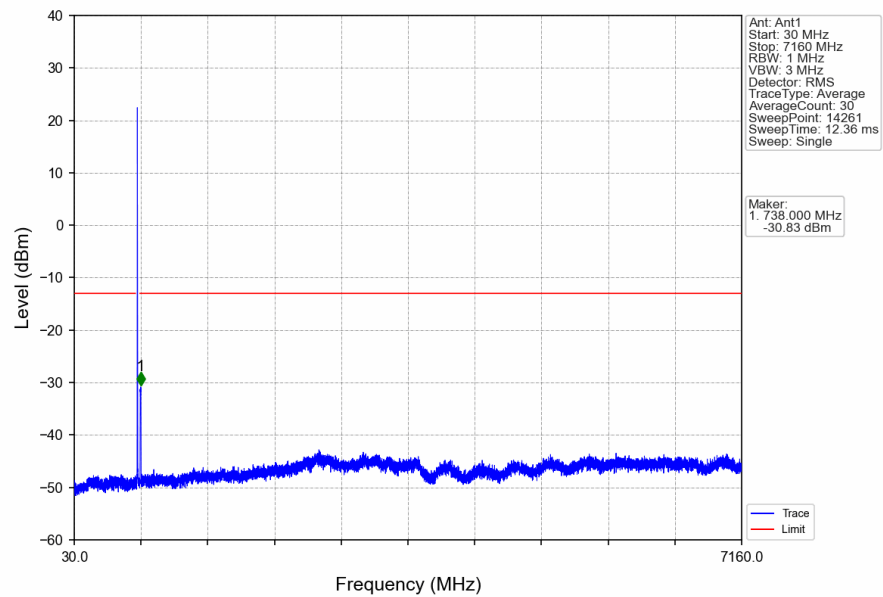
5.4.2 Test Graph



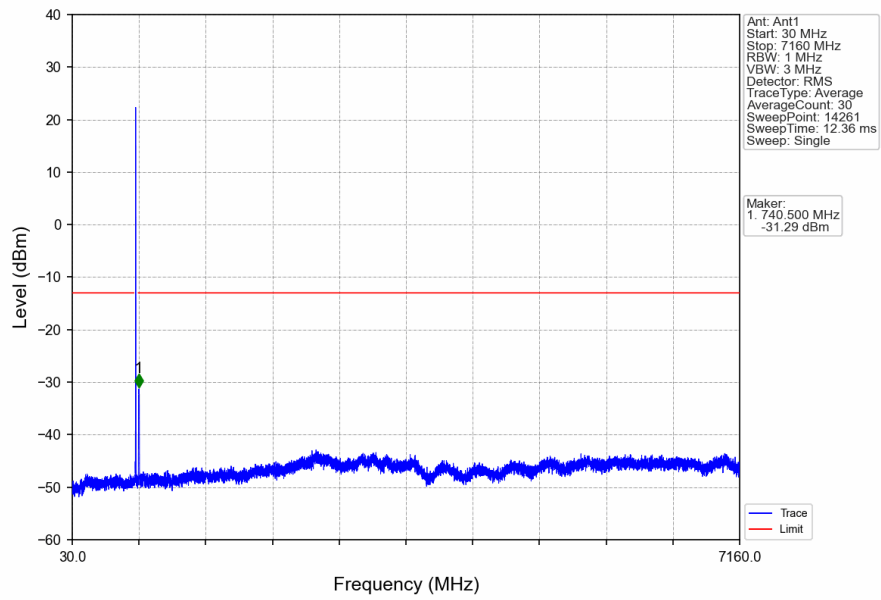
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTNV



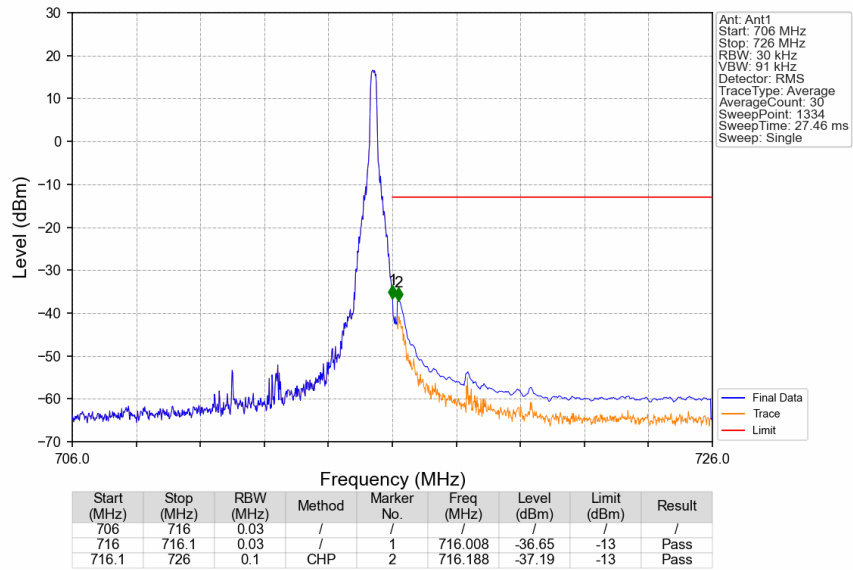
Band12 10MHz QPSK MCH 707.5MHz RB 1 0 NTNV



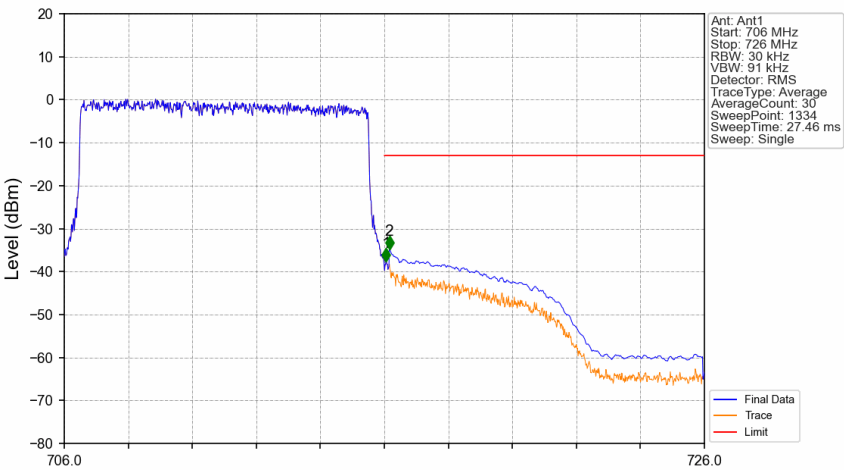
Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.053	-37.62	-13	Pass
716	726	0.1	CHP	2	716.158	-34.82	-13	Pass