

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

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	23.08	3.17	24.10	<=34.77	Pass	
			2	23.02	3.17	24.04	<=34.77	Pass	
			5	23.20	3.17	24.22	<=34.77	Pass	
		3	0	23.03	3.17	24.05	<=34.77	Pass	
			2	23.06	3.17	24.08	<=34.77	Pass	
			3	23.04	3.17	24.06	<=34.77	Pass	
		6	0	21.98	3.17	23.00	<=34.77	Pass	
	707.5	1	0	22.90	3.17	23.92	<=34.77	Pass	
			2	22.87	3.17	23.89	<=34.77	Pass	
			5	22.74	3.17	23.76	<=34.77	Pass	
		3	0	22.80	3.17	23.82	<=34.77	Pass	
			2	22.77	3.17	23.79	<=34.77	Pass	
			3	22.74	3.17	23.76	<=34.77	Pass	
	715.3	6	0	21.82	3.17	22.84	<=34.77	Pass	
			1	0	23.89	3.17	24.91	<=34.77	Pass
				2	22.92	3.17	23.94	<=34.77	Pass
		5		22.71	3.17	23.73	<=34.77	Pass	
		3	0	23.16	3.17	24.18	<=34.77	Pass	
			2	22.83	3.17	23.85	<=34.77	Pass	
			3	22.77	3.17	23.79	<=34.77	Pass	
	16QAM	699.7	6	0	22.05	3.17	23.07	<=34.77	Pass
1				0	22.01	3.17	23.03	<=34.77	Pass
				2	21.98	3.17	23.00	<=34.77	Pass
			5	22.13	3.17	23.15	<=34.77	Pass	
3			0	21.96	3.17	22.98	<=34.77	Pass	
			2	21.97	3.17	22.99	<=34.77	Pass	
			3	21.99	3.17	23.01	<=34.77	Pass	
6		0	21.09	3.17	22.11	<=34.77	Pass		
707.5		1	0	21.75	3.17	22.77	<=34.77	Pass	
			2	21.72	3.17	22.74	<=34.77	Pass	
			5	21.62	3.17	22.64	<=34.77	Pass	
		3	0	21.97	3.17	22.99	<=34.77	Pass	
			2	21.95	3.17	22.97	<=34.77	Pass	
			3	21.90	3.17	22.92	<=34.77	Pass	
6		0	20.86	3.17	21.88	<=34.77	Pass		
715.3		1	0	22.83	3.17	23.85	<=34.77	Pass	
			2	21.77	3.17	22.79	<=34.77	Pass	
			5	21.59	3.17	22.61	<=34.77	Pass	
		3	0	22.40	3.17	23.42	<=34.77	Pass	
			2	21.94	3.17	22.96	<=34.77	Pass	
			3	21.86	3.17	22.88	<=34.77	Pass	
	6	0	21.13	3.17	22.15	<=34.77	Pass		
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	23.01	3.17	24.03	<=34.77	Pass
			7	23.15	3.17	24.17	<=34.77	Pass
			14	23.02	3.17	24.04	<=34.77	Pass
		8	0	22.09	3.17	23.11	<=34.77	Pass
			4	22.13	3.17	23.15	<=34.77	Pass
			7	22.06	3.17	23.08	<=34.77	Pass
		15	0	22.06	3.17	23.08	<=34.77	Pass
	707.5	1	0	22.99	3.17	24.01	<=34.77	Pass
			7	22.89	3.17	23.91	<=34.77	Pass
			14	22.59	3.17	23.61	<=34.77	Pass
		8	0	21.91	3.17	22.93	<=34.77	Pass
			4	21.85	3.17	22.87	<=34.77	Pass
			7	21.74	3.17	22.76	<=34.77	Pass
		15	0	21.81	3.17	22.83	<=34.77	Pass
	714.5	1	0	22.45	3.17	23.47	<=34.77	Pass
			7	23.03	3.17	24.05	<=34.77	Pass
			14	21.65	3.17	22.67	<=34.77	Pass
		8	0	21.71	3.17	22.73	<=34.77	Pass
			4	21.70	3.17	22.72	<=34.77	Pass
			7	21.32	3.17	22.34	<=34.77	Pass
		15	0	21.48	3.17	22.50	<=34.77	Pass
16QAM	700.5	1	0	22.29	3.17	23.31	<=34.77	Pass
			7	22.51	3.17	23.53	<=34.77	Pass
			14	22.27	3.17	23.29	<=34.77	Pass
		8	0	21.23	3.17	22.25	<=34.77	Pass
			4	21.28	3.17	22.30	<=34.77	Pass
			7	21.22	3.17	22.24	<=34.77	Pass
		15	0	21.13	3.17	22.15	<=34.77	Pass
	707.5	1	0	22.01	3.17	23.03	<=34.77	Pass
			7	21.95	3.17	22.97	<=34.77	Pass
			14	21.62	3.17	22.64	<=34.77	Pass
		8	0	21.00	3.17	22.02	<=34.77	Pass
			4	20.92	3.17	21.94	<=34.77	Pass
			7	20.82	3.17	21.84	<=34.77	Pass
		15	0	20.85	3.17	21.87	<=34.77	Pass
	714.5	1	0	21.26	3.17	22.28	<=34.77	Pass
			7	21.88	3.17	22.90	<=34.77	Pass
			14	20.48	3.17	21.50	<=34.77	Pass
		8	0	20.84	3.17	21.86	<=34.77	Pass
4			20.84	3.17	21.86	<=34.77	Pass	
7			20.46	3.17	21.48	<=34.77	Pass	
15		0	20.62	3.17	21.64	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B12_5MHz_ERP

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	23.30	3.17	24.32	<=34.77	Pass
			13	23.35	3.17	24.37	<=34.77	Pass
			24	23.54	3.17	24.56	<=34.77	Pass

	707.5	12	0	22.32	3.17	23.34	<=34.77	Pass
			6	22.30	3.17	23.32	<=34.77	Pass
			13	22.42	3.17	23.44	<=34.77	Pass
		25	0	22.36	3.17	23.38	<=34.77	Pass
			0	23.23	3.17	24.25	<=34.77	Pass
			13	22.86	3.17	23.88	<=34.77	Pass
		1	24	22.75	3.17	23.77	<=34.77	Pass
			0	22.11	3.17	23.13	<=34.77	Pass
			6	21.89	3.17	22.91	<=34.77	Pass
			13	21.79	3.17	22.81	<=34.77	Pass
		12	0	21.93	3.17	22.95	<=34.77	Pass
			0	22.87	3.17	23.89	<=34.77	Pass
			13	23.07	3.17	24.09	<=34.77	Pass
	713.5	1	24	22.31	3.17	23.33	<=34.77	Pass
			0	21.81	3.17	22.83	<=34.77	Pass
			6	21.99	3.17	23.01	<=34.77	Pass
		12	13	21.95	3.17	22.97	<=34.77	Pass
			0	21.89	3.17	22.91	<=34.77	Pass
			0	22.53	3.17	23.55	<=34.77	Pass
		1	13	22.51	3.17	23.53	<=34.77	Pass
			24	22.74	3.17	23.76	<=34.77	Pass
			0	21.43	3.17	22.45	<=34.77	Pass
			6	21.43	3.17	22.45	<=34.77	Pass
			13	21.54	3.17	22.56	<=34.77	Pass
			0	21.49	3.17	22.51	<=34.77	Pass
16QAM	701.5	1	0	22.37	3.17	23.39	<=34.77	Pass
			13	22.04	3.17	23.06	<=34.77	Pass
			24	21.92	3.17	22.94	<=34.77	Pass
		12	0	21.17	3.17	22.19	<=34.77	Pass
			6	20.96	3.17	21.98	<=34.77	Pass
			13	20.86	3.17	21.88	<=34.77	Pass
		25	0	21.00	3.17	22.02	<=34.77	Pass
			0	21.99	3.17	23.01	<=34.77	Pass
			13	22.22	3.17	23.24	<=34.77	Pass
		1	24	21.47	3.17	22.49	<=34.77	Pass
			0	20.85	3.17	21.87	<=34.77	Pass
			6	21.04	3.17	22.06	<=34.77	Pass
			13	21.02	3.17	22.04	<=34.77	Pass
		12	0	21.00	3.17	22.02	<=34.77	Pass
			0	21.99	3.17	23.01	<=34.77	Pass
			13	22.22	3.17	23.24	<=34.77	Pass
	707.5	1	24	21.47	3.17	22.49	<=34.77	Pass
			0	20.85	3.17	21.87	<=34.77	Pass
			6	21.04	3.17	22.06	<=34.77	Pass
		12	13	21.02	3.17	22.04	<=34.77	Pass
			0	21.00	3.17	22.02	<=34.77	Pass
			0	21.99	3.17	23.01	<=34.77	Pass
		25	13	22.22	3.17	23.24	<=34.77	Pass
			24	21.47	3.17	22.49	<=34.77	Pass
			0	20.85	3.17	21.87	<=34.77	Pass
		1	6	21.04	3.17	22.06	<=34.77	Pass
			13	21.02	3.17	22.04	<=34.77	Pass
			0	21.00	3.17	22.02	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	23.07	3.17	24.09	<=34.77	Pass
			25	23.37	3.17	24.39	<=34.77	Pass
			49	22.85	3.17	23.87	<=34.77	Pass
		25	0	22.21	3.17	23.23	<=34.77	Pass
			13	22.29	3.17	23.31	<=34.77	Pass
			25	22.15	3.17	23.17	<=34.77	Pass
		50	0	22.17	3.17	23.19	<=34.77	Pass
			0	23.31	3.17	24.33	<=34.77	Pass
			25	22.94	3.17	23.96	<=34.77	Pass
	707.5	1	25	22.94	3.17	23.96	<=34.77	Pass

16QAM	711	25	49	22.99	3.17	24.01	<=34.77	Pass
			0	22.19	3.17	23.21	<=34.77	Pass
			13	21.96	3.17	22.98	<=34.77	Pass
			25	21.88	3.17	22.90	<=34.77	Pass
		50	0	22.03	3.17	23.05	<=34.77	Pass
	711	1	0	23.14	3.17	24.16	<=34.77	Pass
			25	22.95	3.17	23.97	<=34.77	Pass
			49	22.50	3.17	23.52	<=34.77	Pass
		25	0	21.88	3.17	22.90	<=34.77	Pass
			13	21.95	3.17	22.97	<=34.77	Pass
			25	22.16	3.17	23.18	<=34.77	Pass
		50	0	22.04	3.17	23.06	<=34.77	Pass
	704	1	0	22.44	3.17	23.46	<=34.77	Pass
			25	22.66	3.17	23.68	<=34.77	Pass
			49	22.16	3.17	23.18	<=34.77	Pass
		12	0	22.24	3.17	23.26	<=34.77	Pass
			19	22.42	3.17	23.44	<=34.77	Pass
			38	22.09	3.17	23.11	<=34.77	Pass
		27	0	21.25	3.17	22.27	<=34.77	Pass
	707.5	1	0	22.32	3.17	23.34	<=34.77	Pass
			25	21.96	3.17	22.98	<=34.77	Pass
			49	22.02	3.17	23.04	<=34.77	Pass
		12	0	22.27	3.17	23.29	<=34.77	Pass
			19	21.94	3.17	22.96	<=34.77	Pass
			38	21.94	3.17	22.96	<=34.77	Pass
		27	0	21.27	3.17	22.29	<=34.77	Pass
	711	1	0	21.98	3.17	23.00	<=34.77	Pass
			25	21.81	3.17	22.83	<=34.77	Pass
			49	21.39	3.17	22.41	<=34.77	Pass
		12	0	21.99	3.17	23.01	<=34.77	Pass
			19	22.01	3.17	23.03	<=34.77	Pass
			38	22.35	3.17	23.37	<=34.77	Pass
		27	23	21.28	3.17	22.30	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B12_10MHz

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	3.40	-1.445	-0.0021	-2.5 to 2.5	Pass
					3.80	-1.502	-0.0021	-2.5 to 2.5	Pass
					4.20	-1.187	-0.0017	-2.5 to 2.5	Pass
				-30	3.80	-0.858	-0.0012	-2.5 to 2.5	Pass
				-20	3.80	-0.587	-0.0008	-2.5 to 2.5	Pass
				-10	3.80	-0.401	-0.0006	-2.5 to 2.5	Pass
				0	3.80	-1.116	-0.0016	-2.5 to 2.5	Pass
				10	3.80	-1.059	-0.0015	-2.5 to 2.5	Pass
				30	3.80	-0.515	-0.0007	-2.5 to 2.5	Pass
				40	3.80	-0.129	-0.0002	-2.5 to 2.5	Pass

				50	3.80	-0.844	-0.0012	-2.5 to 2.5	Pass
	707.5	50	0	20	3.40	-0.701	-0.0010	-2.5 to 2.5	Pass
					3.80	-0.072	-0.0001	-2.5 to 2.5	Pass
					4.20	0.372	0.0005	-2.5 to 2.5	Pass
					-30	3.80	-0.343	-0.0005	-2.5 to 2.5
				-20	3.80	0.272	0.0004	-2.5 to 2.5	Pass
				-10	3.80	-0.315	-0.0004	-2.5 to 2.5	Pass
				0	3.80	-0.386	-0.0005	-2.5 to 2.5	Pass
				10	3.80	0.300	0.0004	-2.5 to 2.5	Pass
				30	3.80	0.114	0.0002	-2.5 to 2.5	Pass
				40	3.80	0.300	0.0004	-2.5 to 2.5	Pass
				50	3.80	0.515	0.0007	-2.5 to 2.5	Pass
	711	50	0	20	3.40	0.272	0.0004	-2.5 to 2.5	Pass
					3.80	0.114	0.0002	-2.5 to 2.5	Pass
					4.20	0.043	0.0001	-2.5 to 2.5	Pass
					-30	3.80	-0.315	-0.0004	-2.5 to 2.5
				-20	3.80	-0.086	-0.0001	-2.5 to 2.5	Pass
				-10	3.80	-0.687	-0.0010	-2.5 to 2.5	Pass
				0	3.80	0.229	0.0003	-2.5 to 2.5	Pass
				10	3.80	0.072	0.0001	-2.5 to 2.5	Pass
				30	3.80	-0.100	-0.0001	-2.5 to 2.5	Pass
				40	3.80	0.386	0.0005	-2.5 to 2.5	Pass
				50	3.80	-0.472	-0.0007	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

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	1.114	/	Pass
		707.5	6	0	1.106	/	Pass
		715.3	6	0	1.107	/	Pass
	16QAM	699.7	6	0	1.100	/	Pass
		707.5	6	0	1.110	/	Pass
		715.3	6	0	1.112	/	Pass
3	QPSK	700.5	15	0	2.735	/	Pass
		707.5	15	0	2.738	/	Pass
		714.5	15	0	2.744	/	Pass
	16QAM	700.5	15	0	2.746	/	Pass
		707.5	15	0	2.737	/	Pass
		714.5	15	0	2.723	/	Pass
5	QPSK	701.5	25	0	4.571	/	Pass
		707.5	25	0	4.568	/	Pass
		713.5	25	0	4.552	/	Pass
	16QAM	701.5	25	0	4.562	/	Pass
		707.5	25	0	4.589	/	Pass
		713.5	25	0	4.554	/	Pass
10	QPSK	704	50	0	9.038	/	Pass
		707.5	50	0	9.065	/	Pass
		711	50	0	9.062	/	Pass
	16QAM	704	27	0	5.101	/	Pass
		707.5	27	0	5.117	/	Pass
		711	27	23	5.160	/	Pass

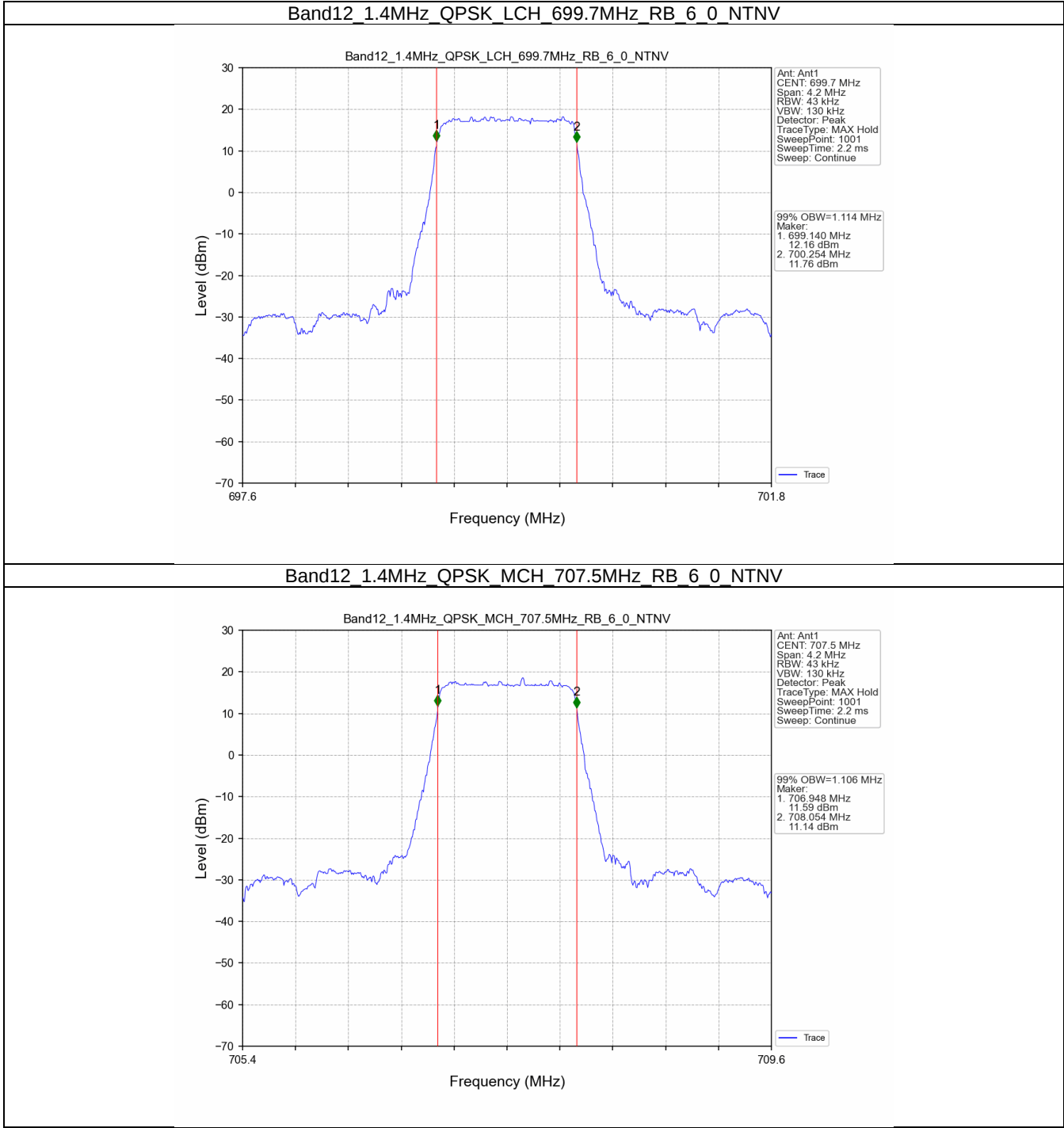
3.1.2 Band12_XDB

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	1.333	/	Pass
		707.5	6	0	1.317	/	Pass
		715.3	6	0	1.329	/	Pass
	16QAM	699.7	6	0	1.303	/	Pass
		707.5	6	0	1.328	/	Pass
		715.3	6	0	1.338	/	Pass
3	QPSK	700.5	15	0	3.061	/	Pass
		707.5	15	0	3.045	/	Pass
		714.5	15	0	3.045	/	Pass
	16QAM	700.5	15	0	3.041	/	Pass
		707.5	15	0	3.040	/	Pass
		714.5	15	0	3.047	/	Pass

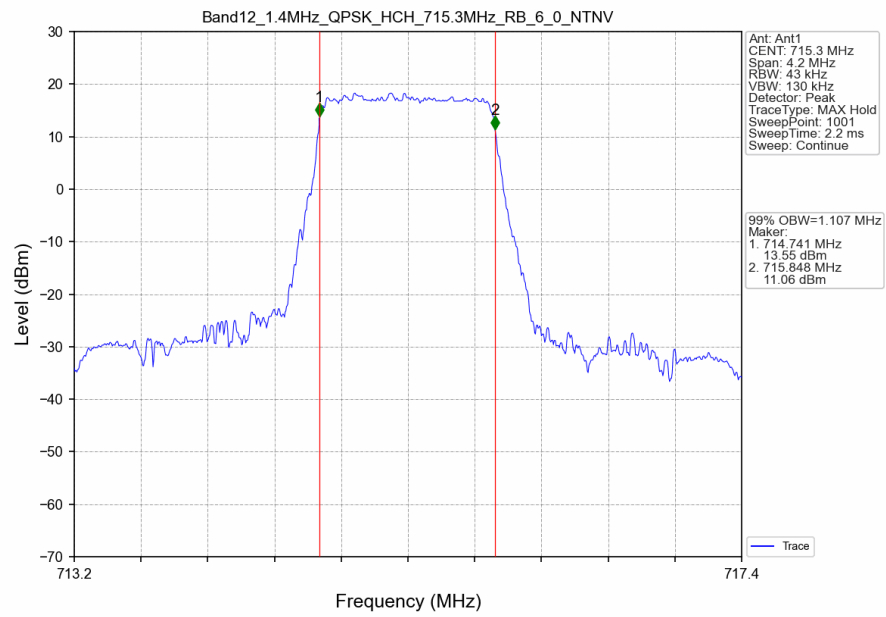
5	QPSK	701.5	25	0	5.567	/	Pass
		707.5	25	0	5.583	/	Pass
		713.5	25	0	5.403	/	Pass
	16QAM	701.5	25	0	5.620	/	Pass
		707.5	25	0	5.286	/	Pass
		713.5	25	0	5.271	/	Pass
10	QPSK	704	50	0	10.456	/	Pass
		707.5	50	0	10.537	/	Pass
		711	50	0	10.308	/	Pass
	16QAM	704	27	0	6.320	/	Pass
		707.5	27	0	6.663	/	Pass
		711	27	23	6.464	/	Pass

3.2 Test Graph

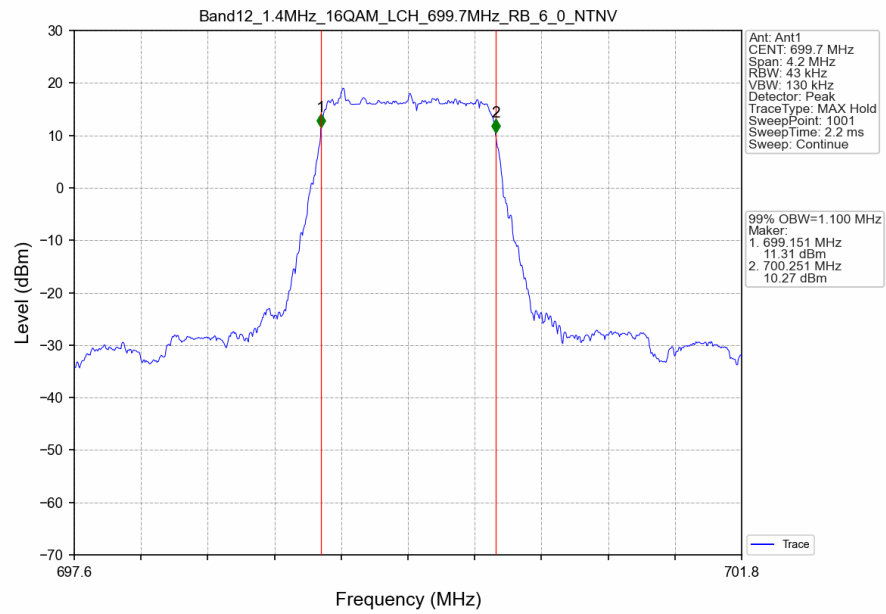
3.2.1 Band12_OBW



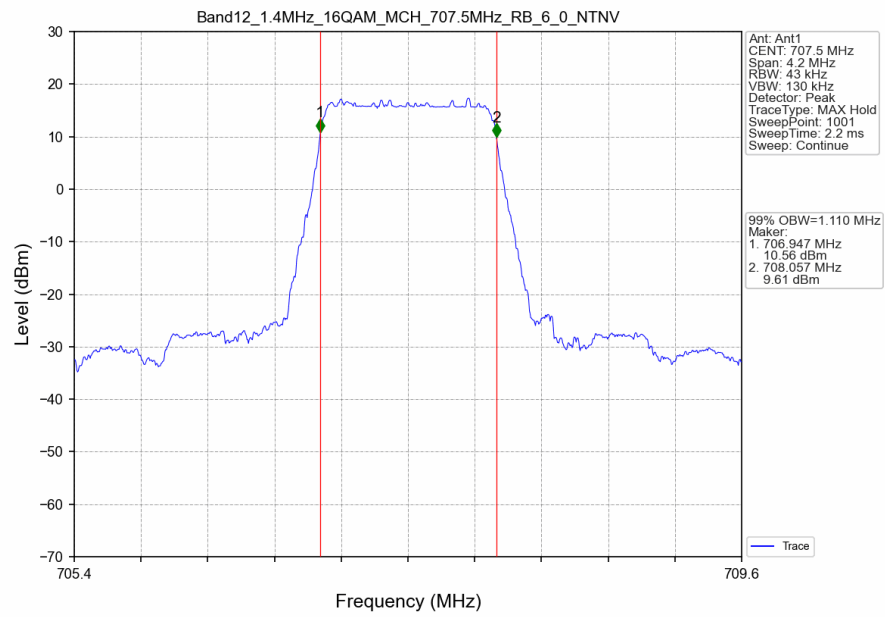
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



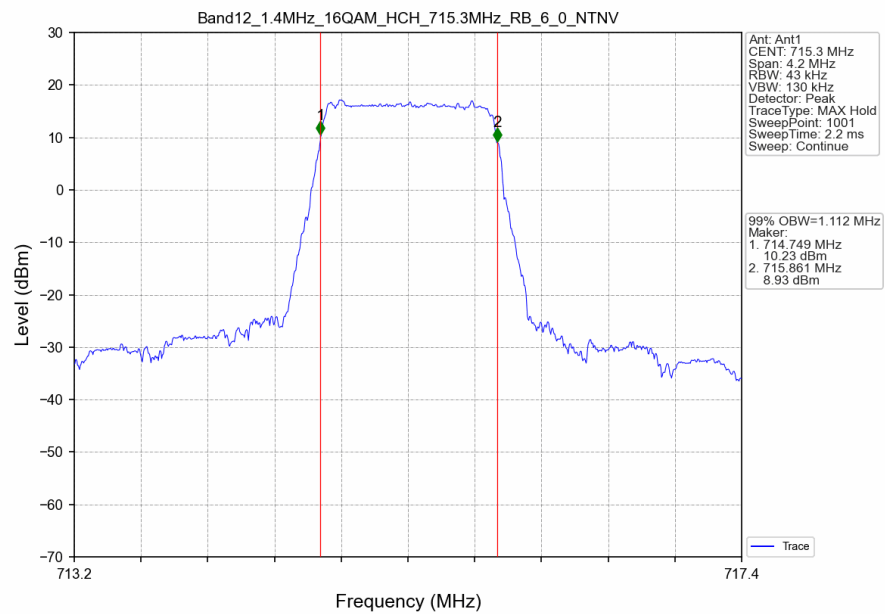
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



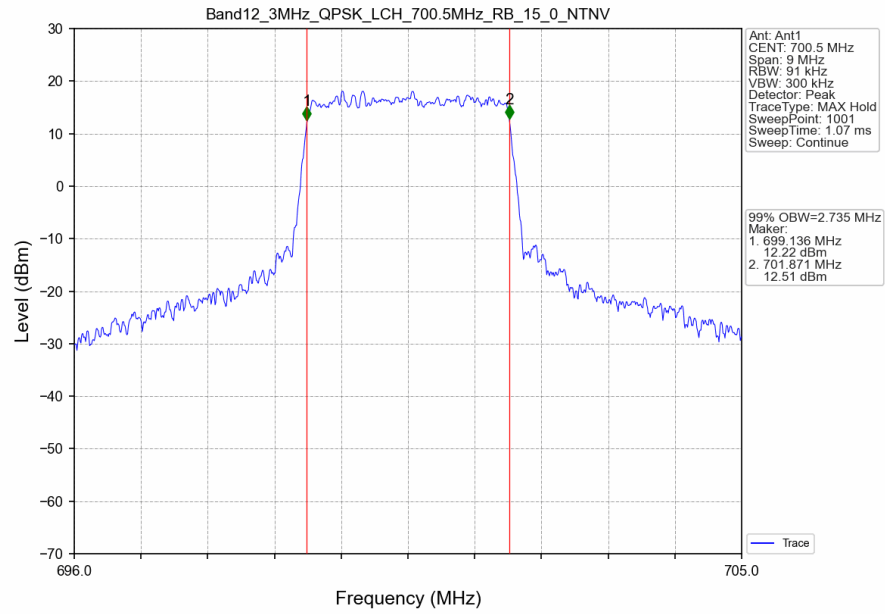
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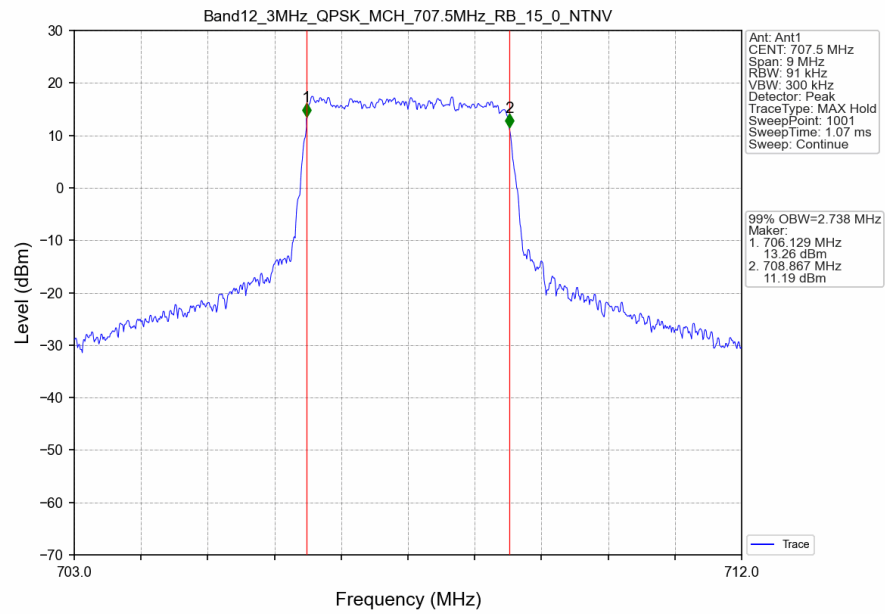
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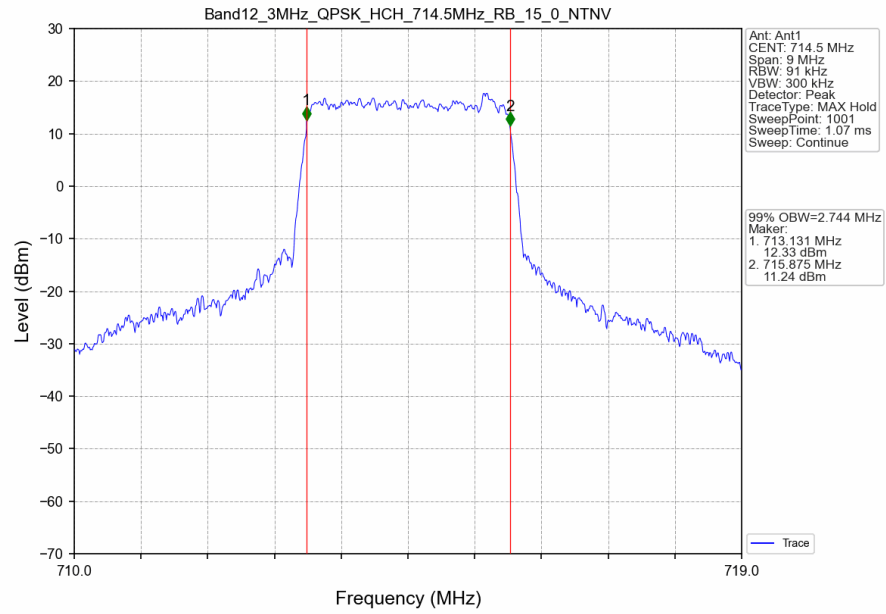
Band12 3MHz QPSK LCH 700.5MHz RB 15_0 NTN



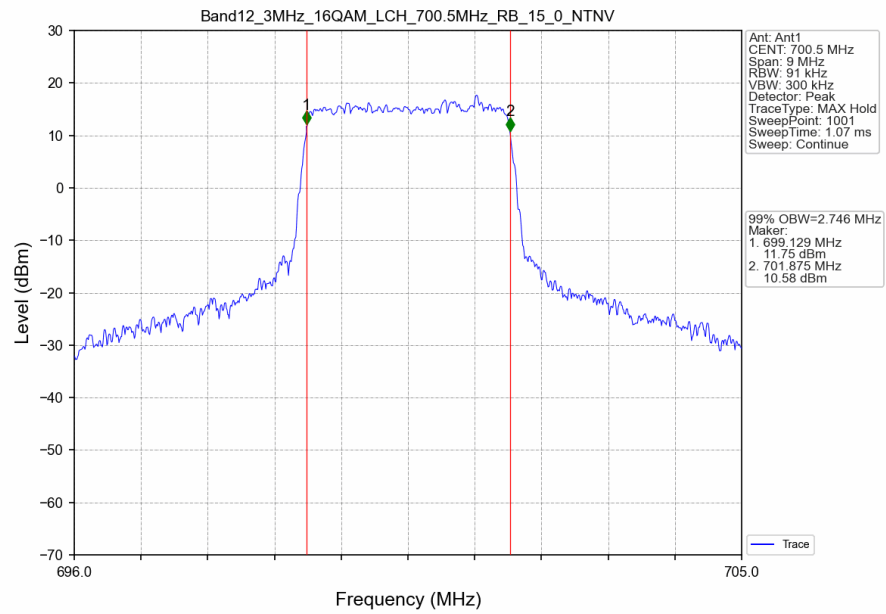
Band12 3MHz QPSK MCH 707.5MHz RB 15_0 NTN



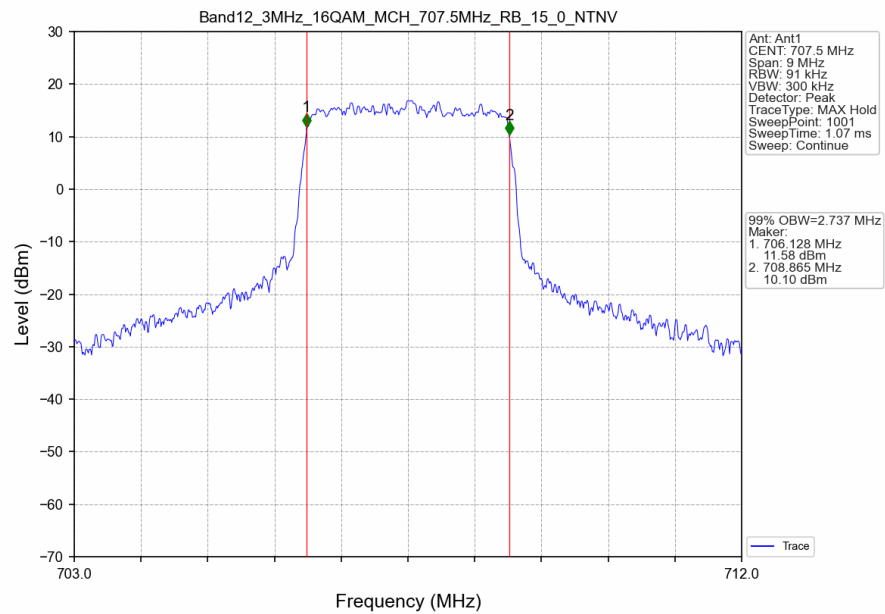
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



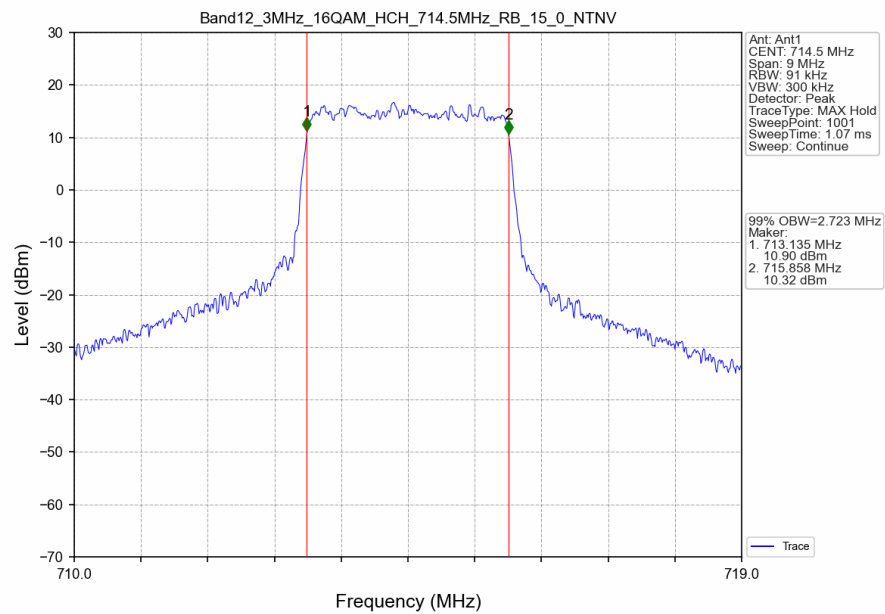
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



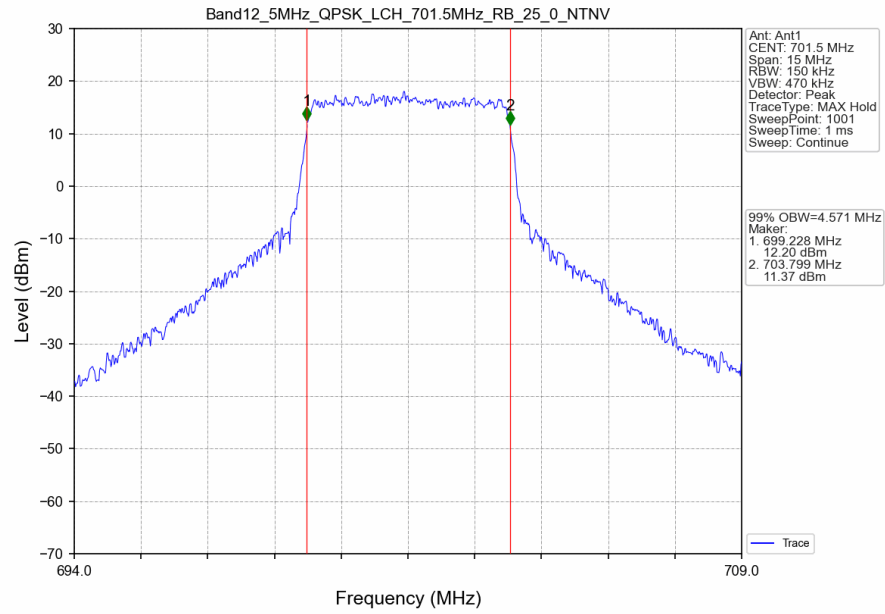
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



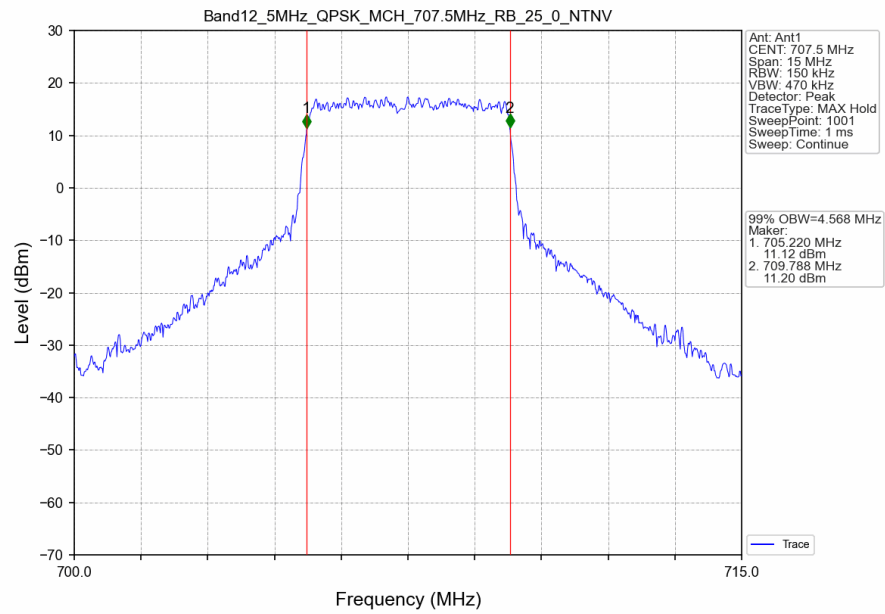
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



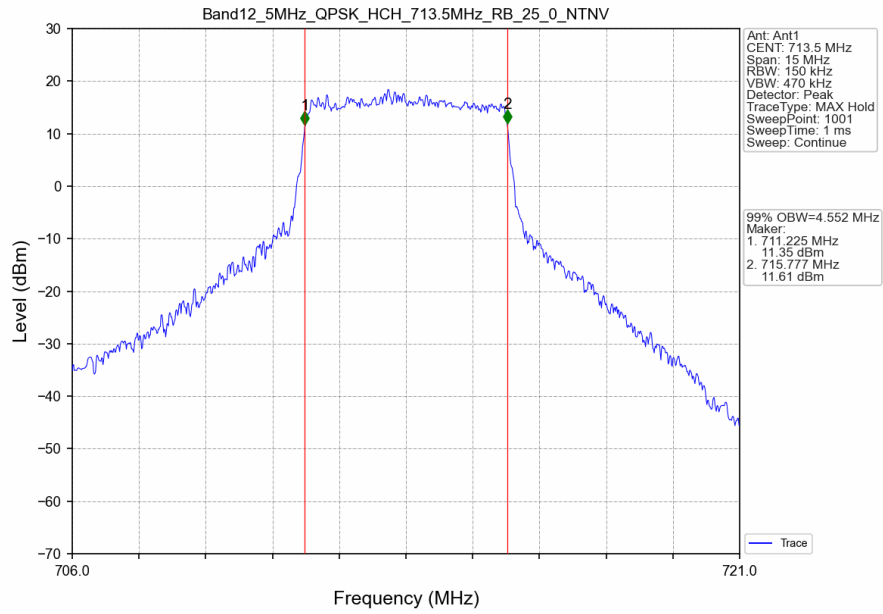
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



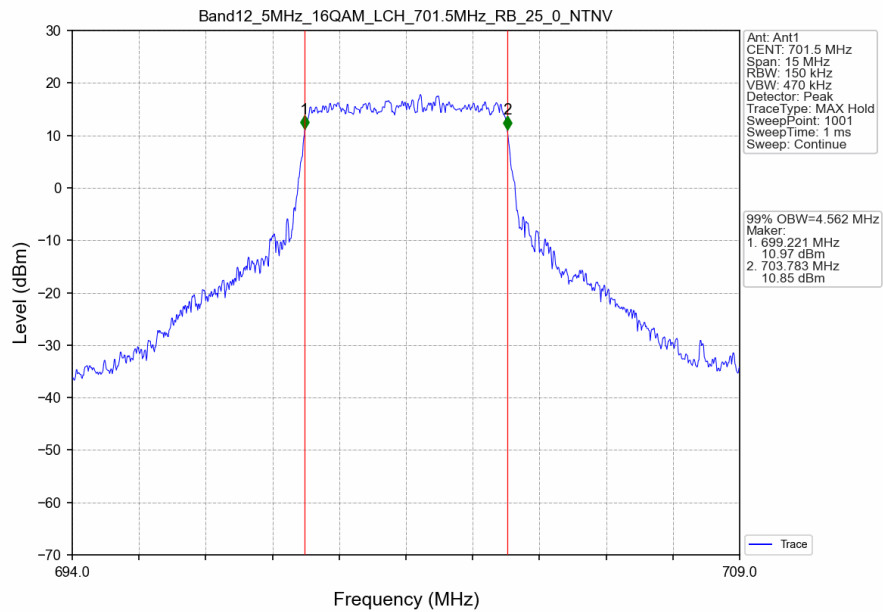
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



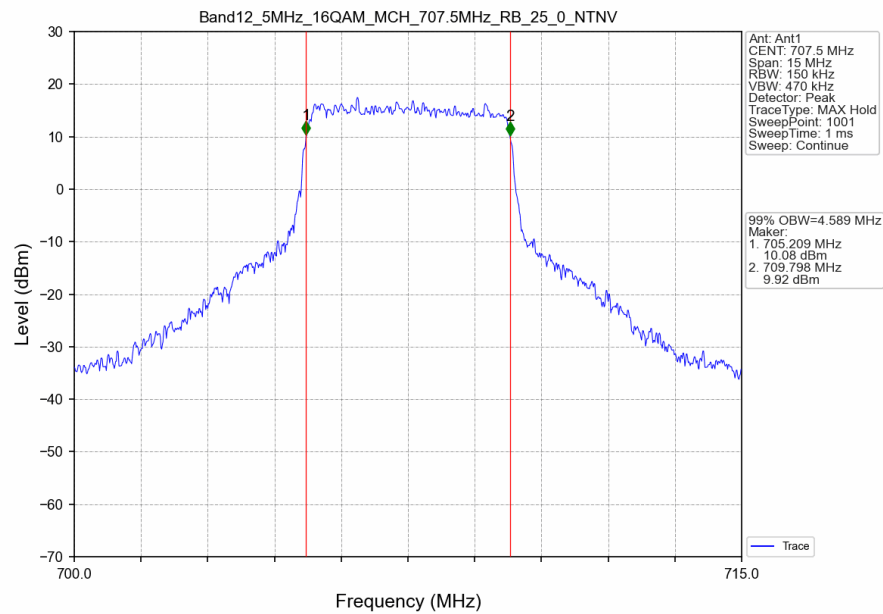
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



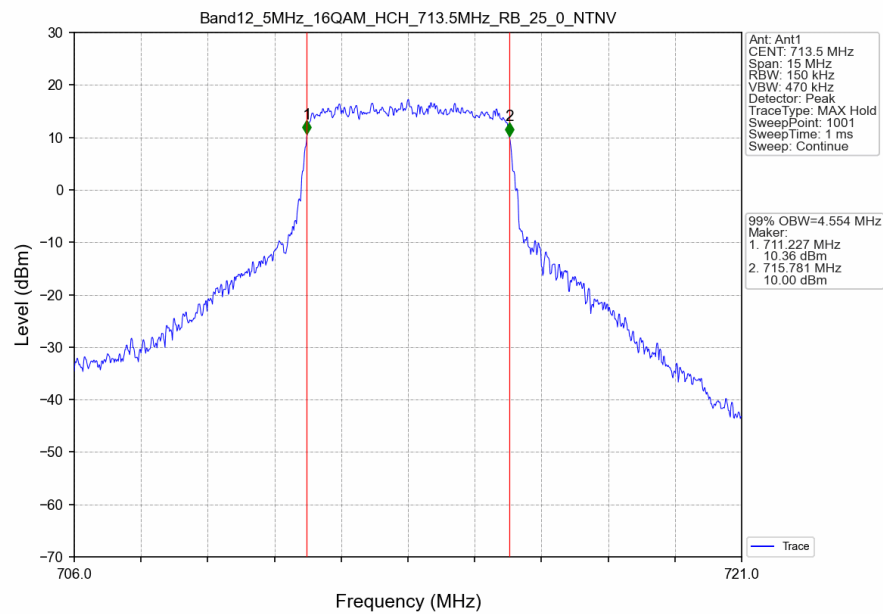
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



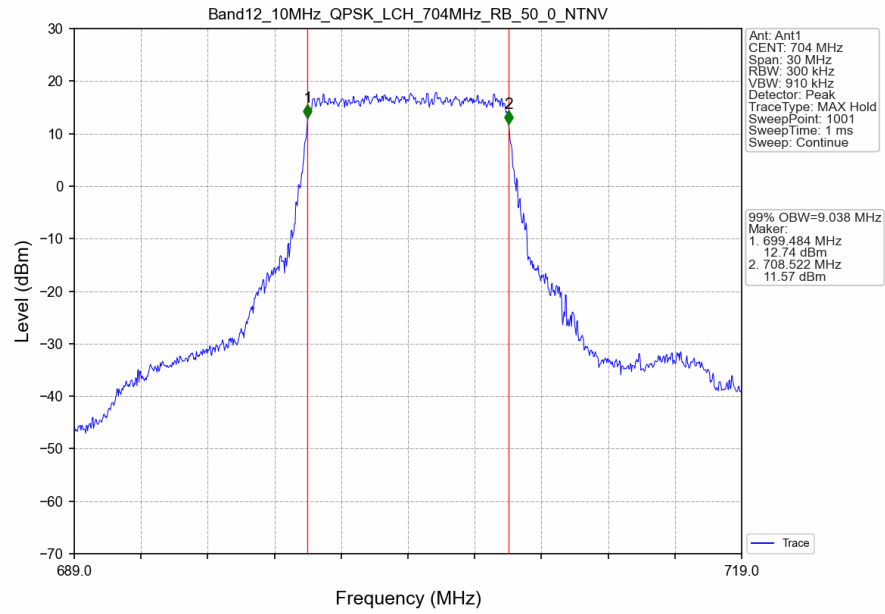
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



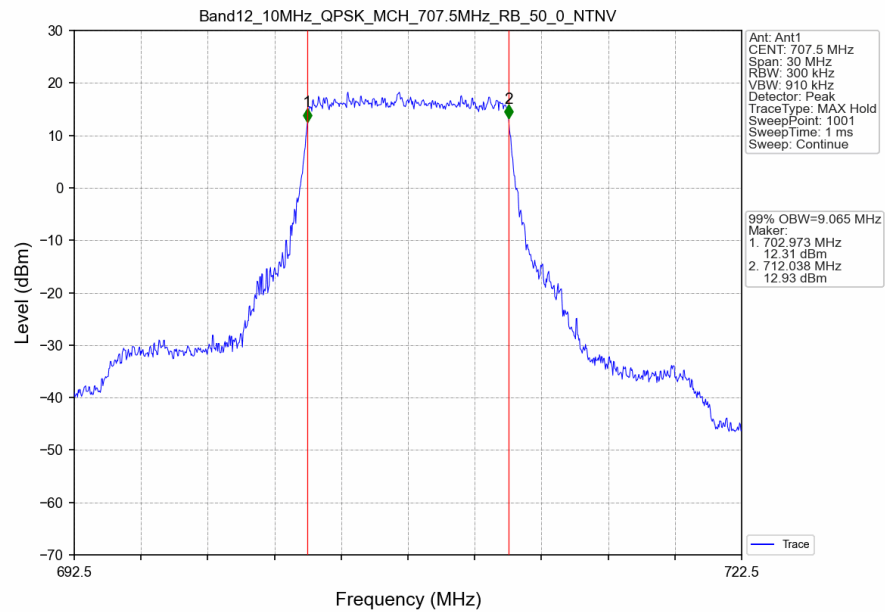
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



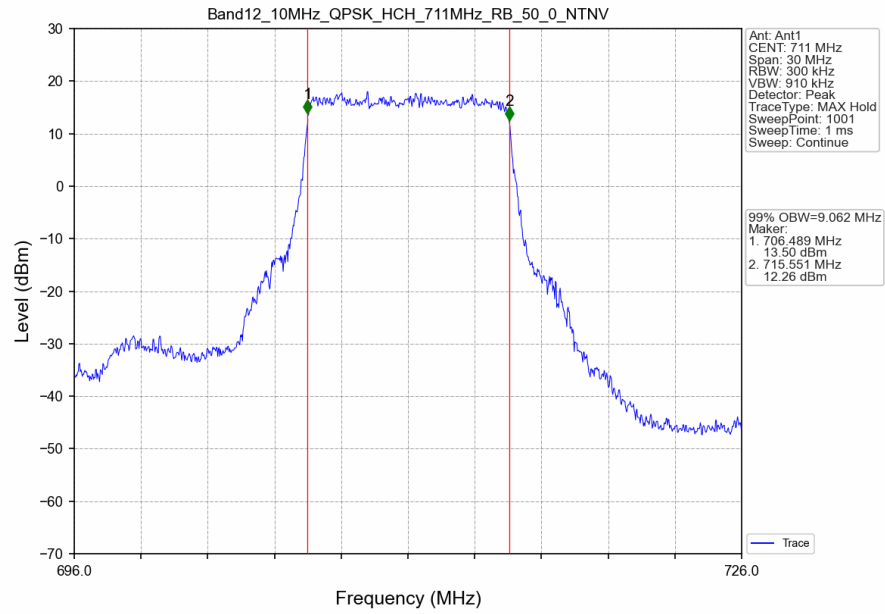
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



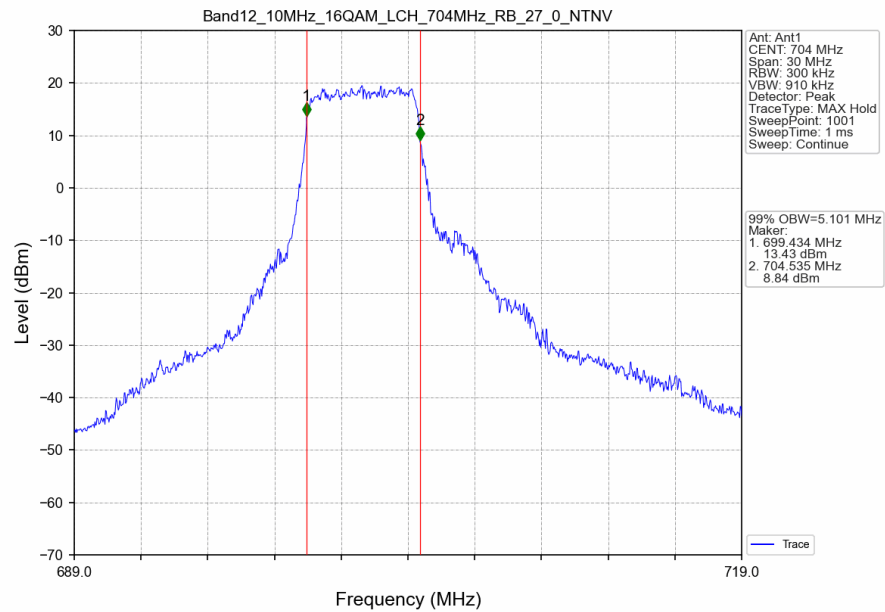
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



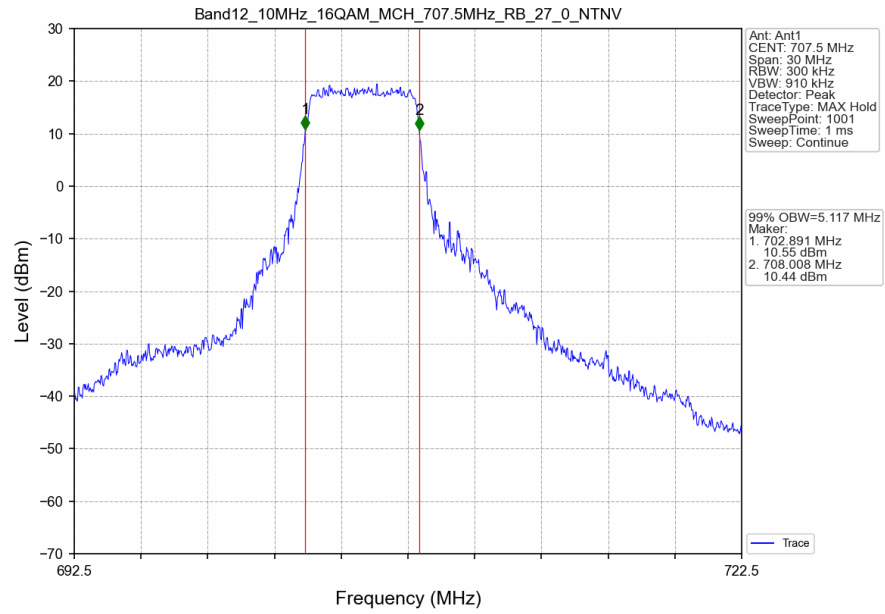
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



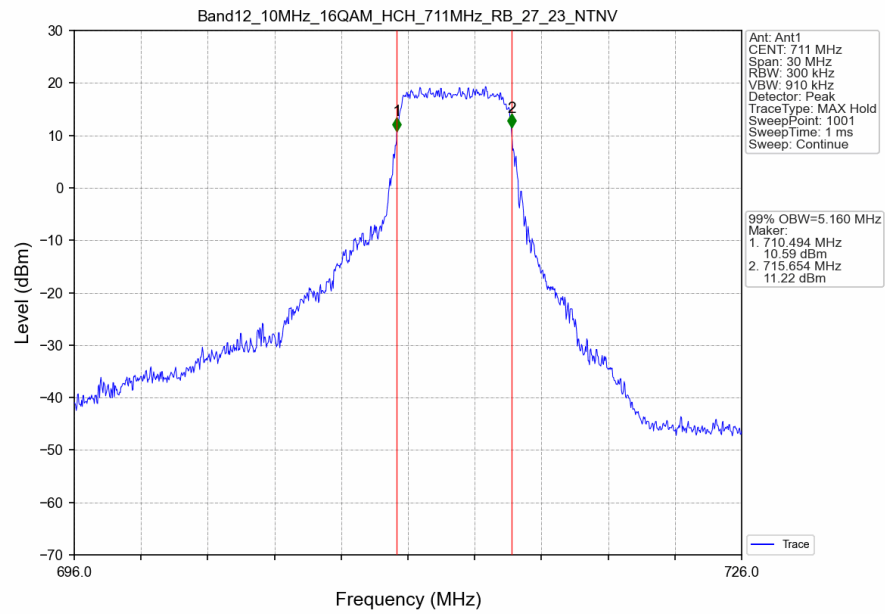
Band12_10MHz_16QAM_LCH_704MHz_RB_27_0_NTNV



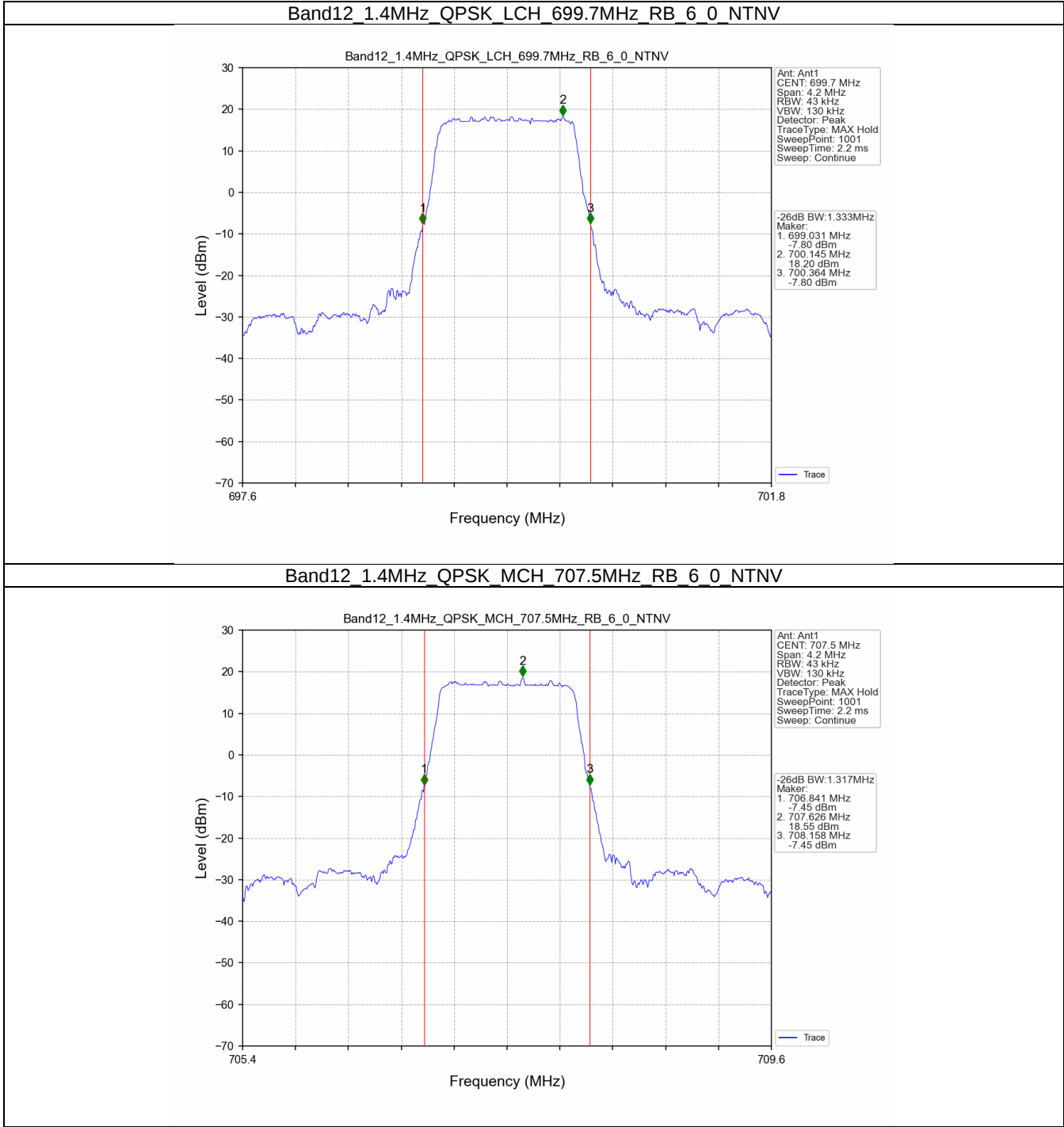
Band12_10MHz_16QAM_MCH_707.5MHz_RB_27_0_NTNV



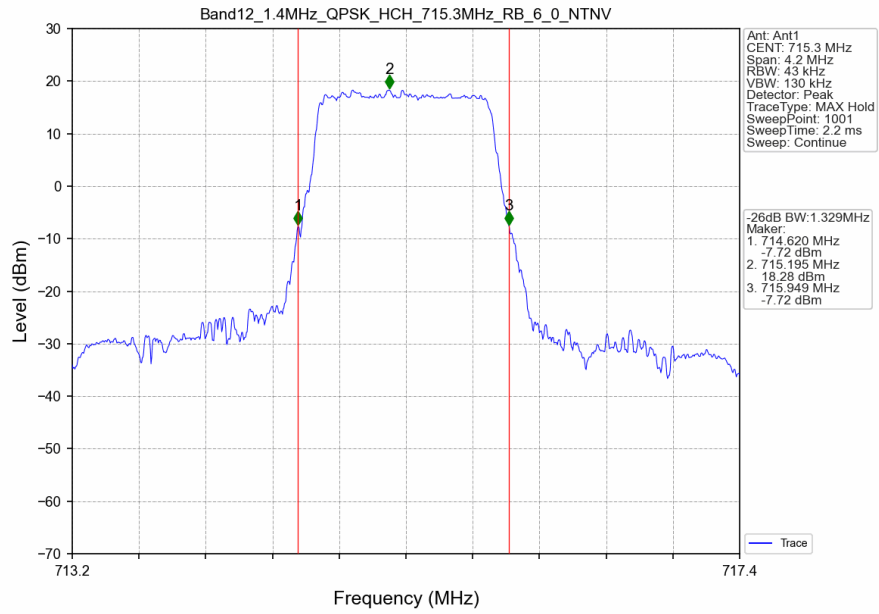
Band12_10MHz_16QAM_HCH_711MHz_RB_27_23_NTNV



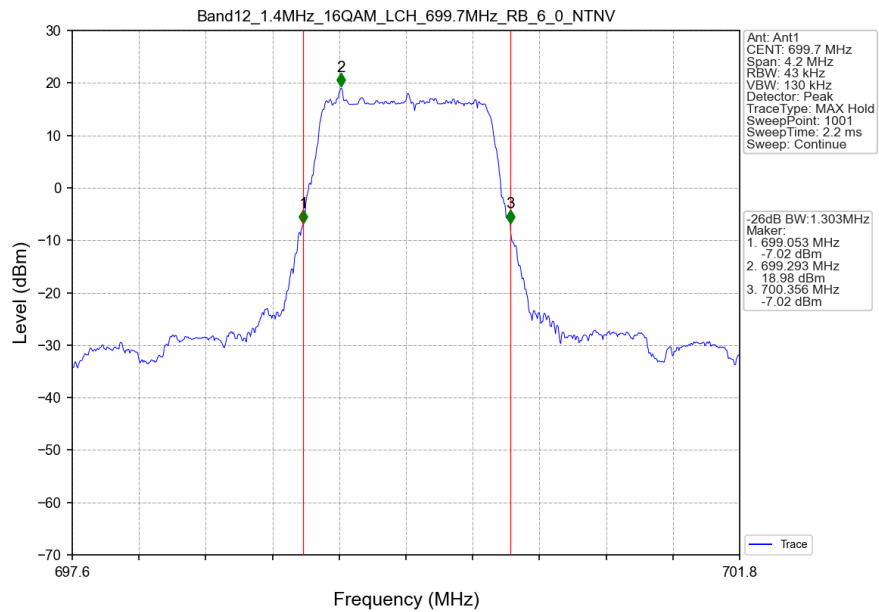
3.2.2 Band12_XDB



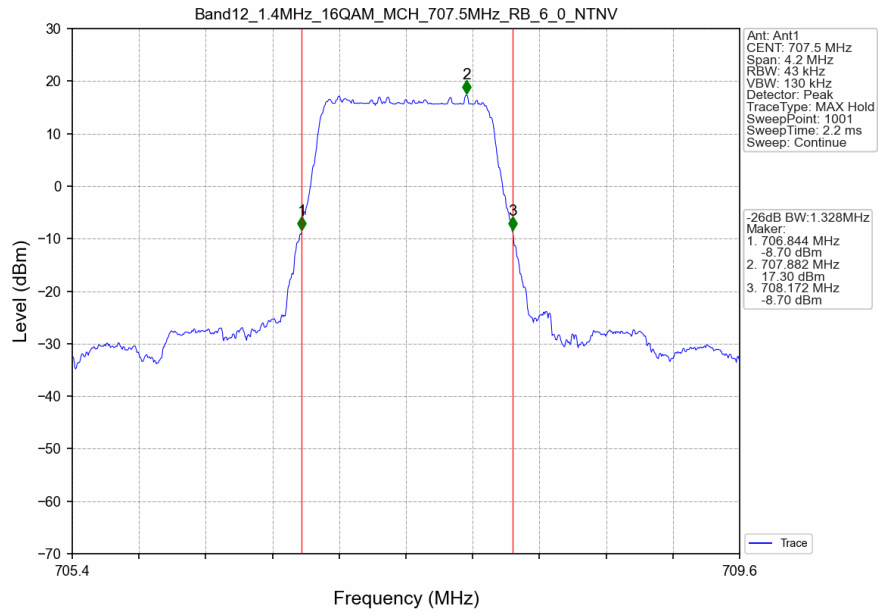
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



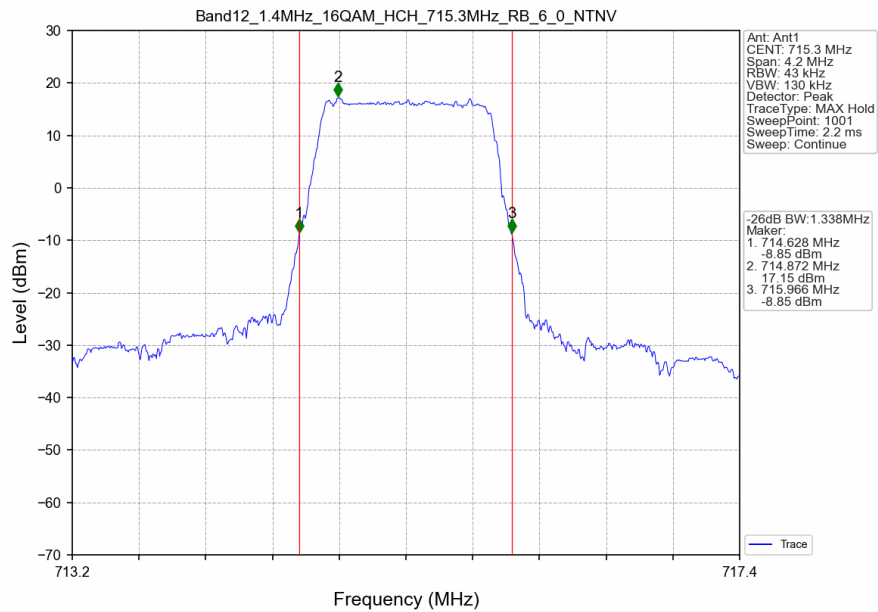
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



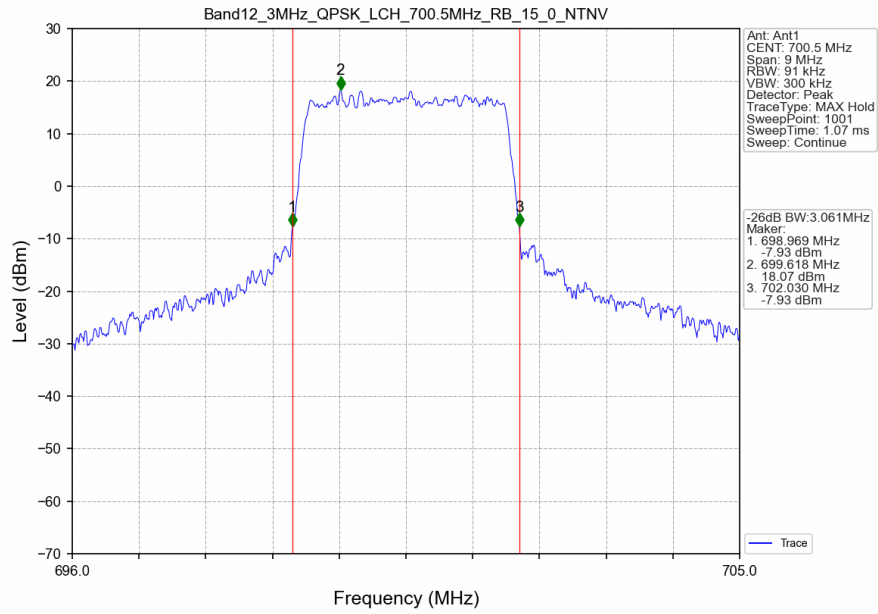
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6_0 NTN



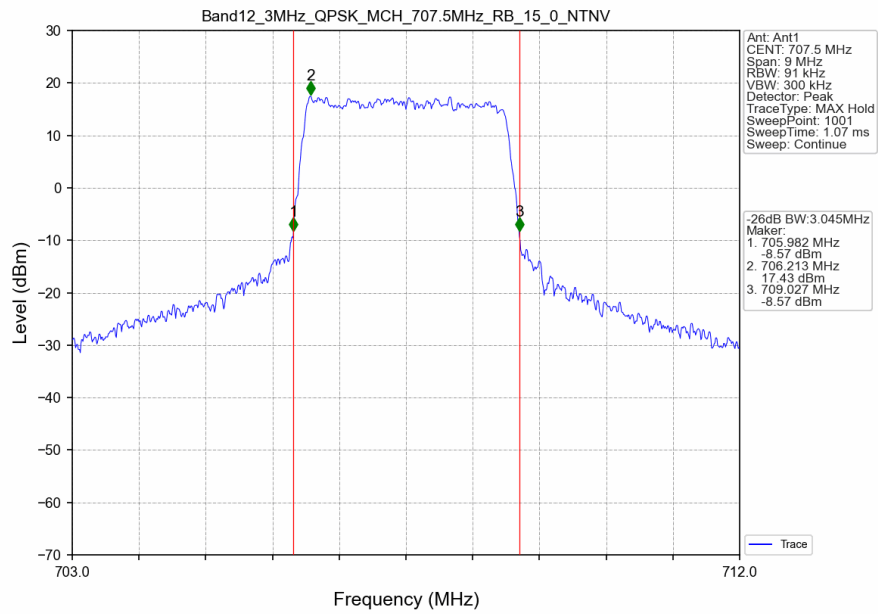
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6_0 NTN



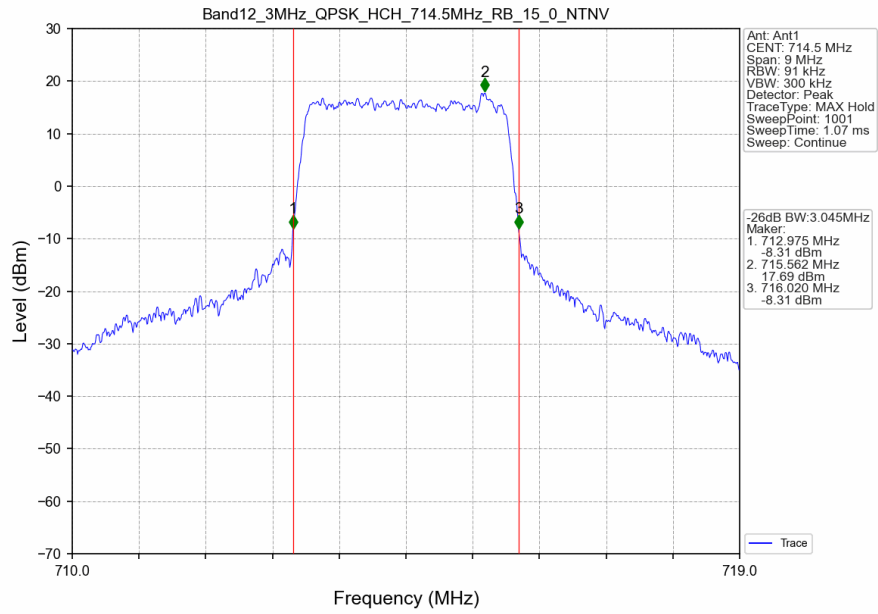
Band12 3MHz QPSK LCH 700.5MHz RB 15_0 NTNV



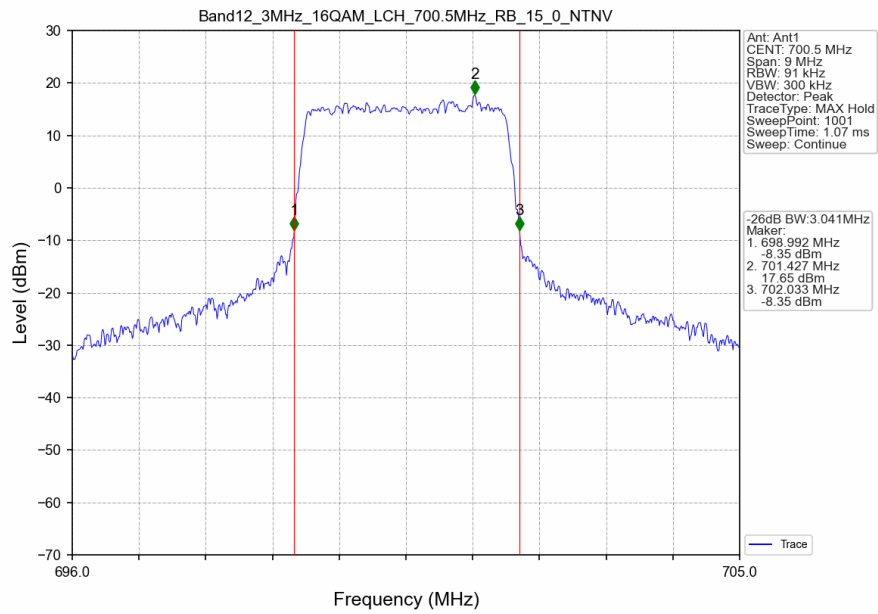
Band12 3MHz QPSK MCH 707.5MHz RB 15_0 NTNV



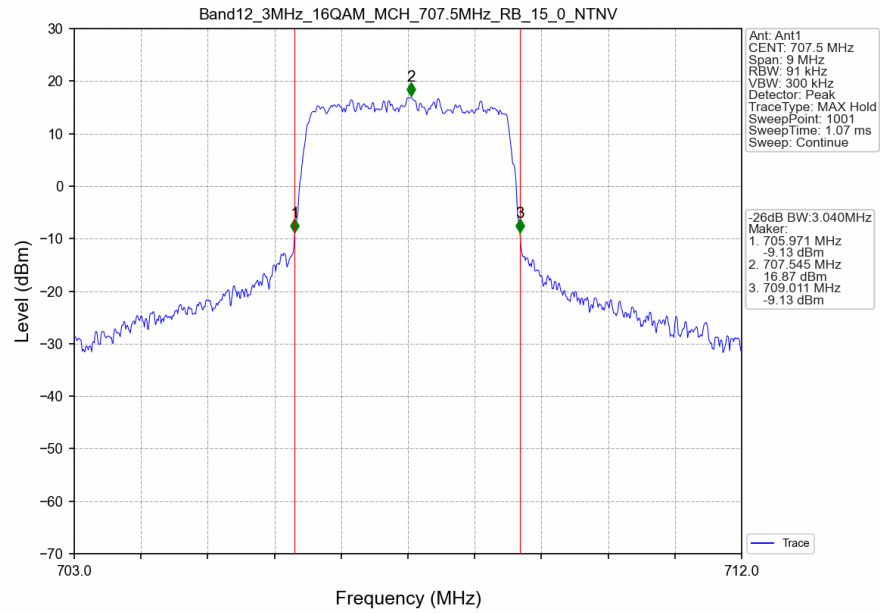
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



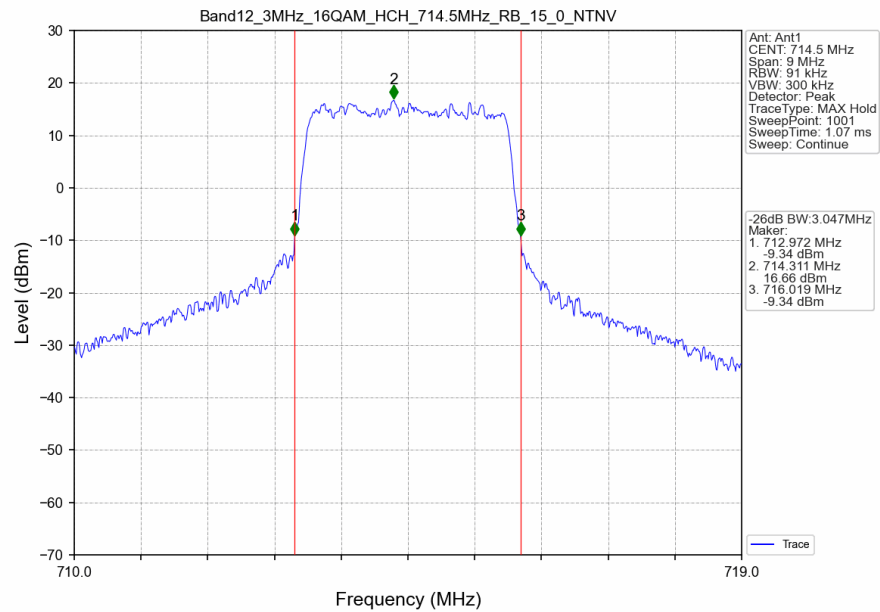
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



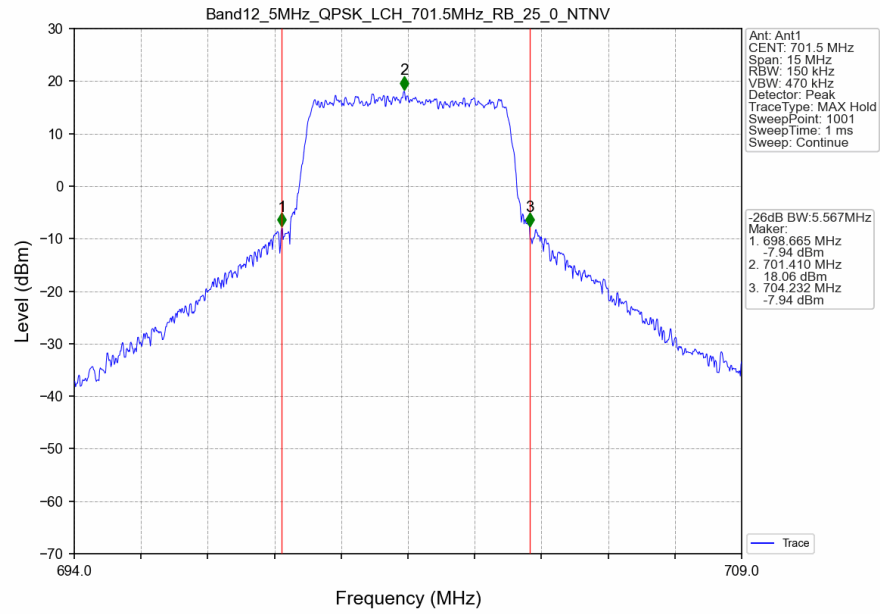
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



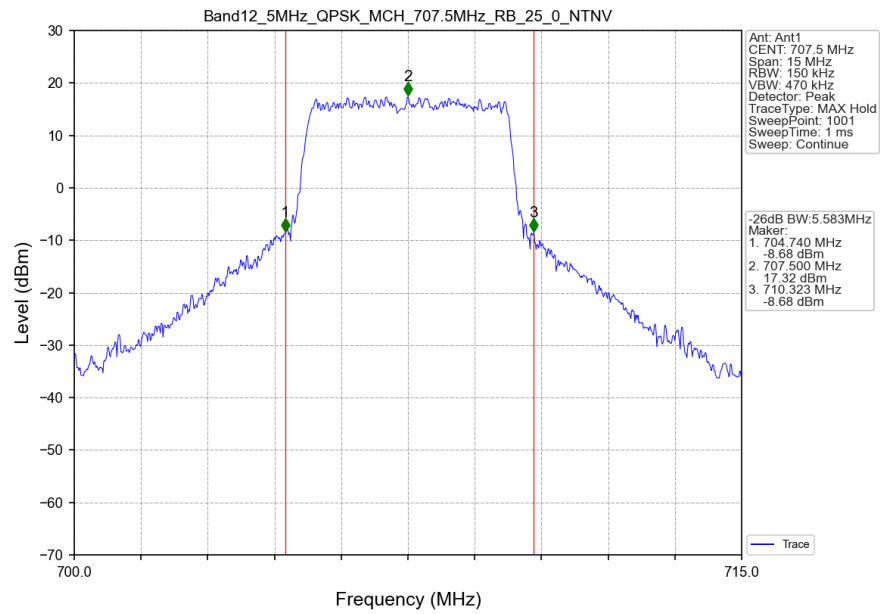
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



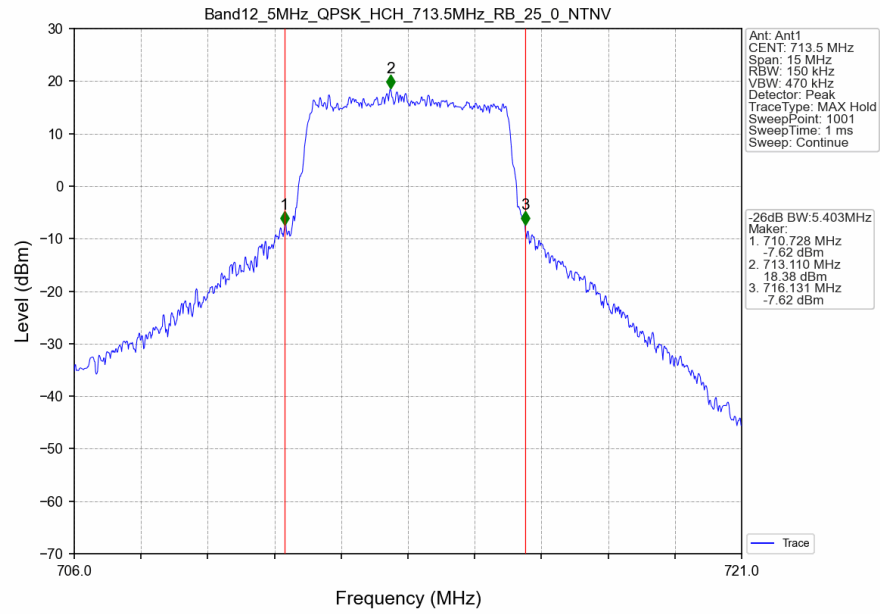
Band12 5MHz QPSK LCH 701.5MHz RB 25_0_NTNV



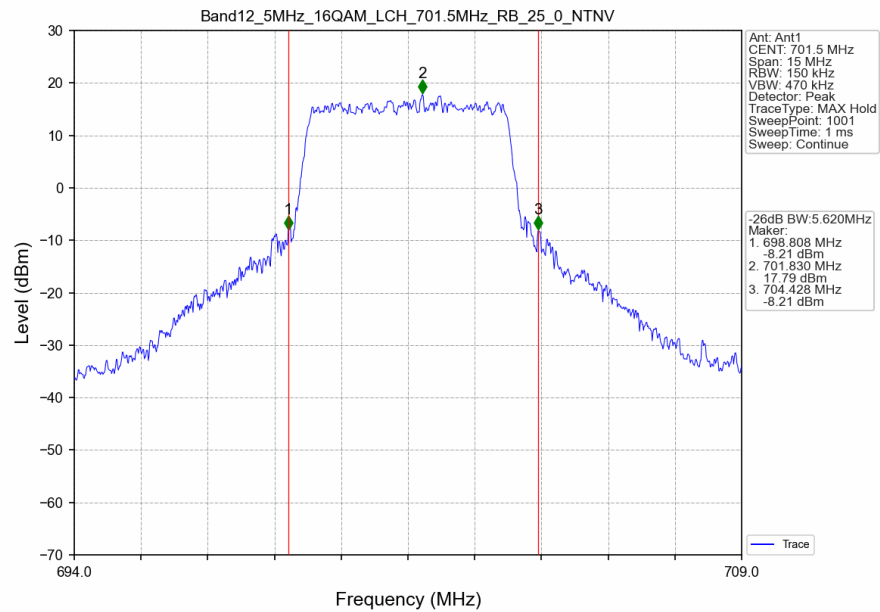
Band12 5MHz QPSK MCH 707.5MHz RB 25_0_NTNV



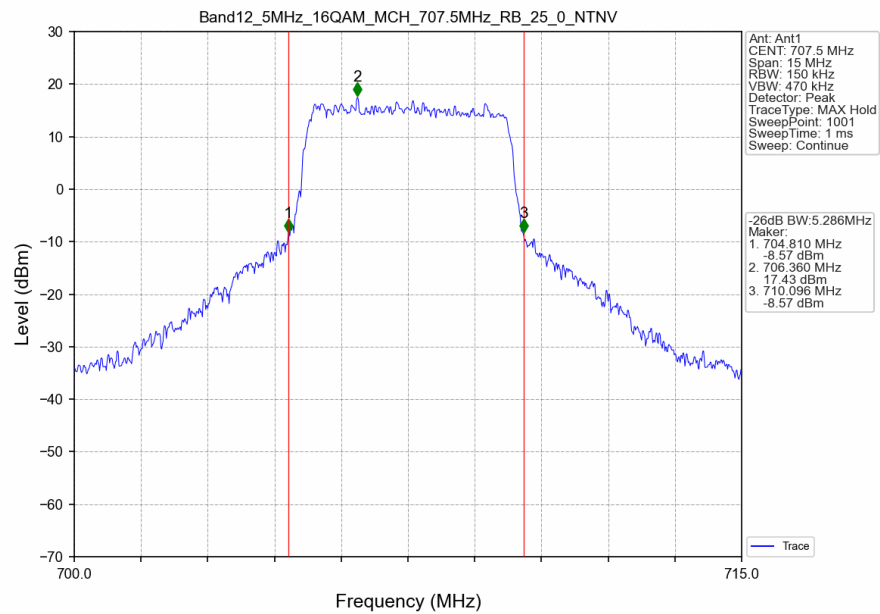
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



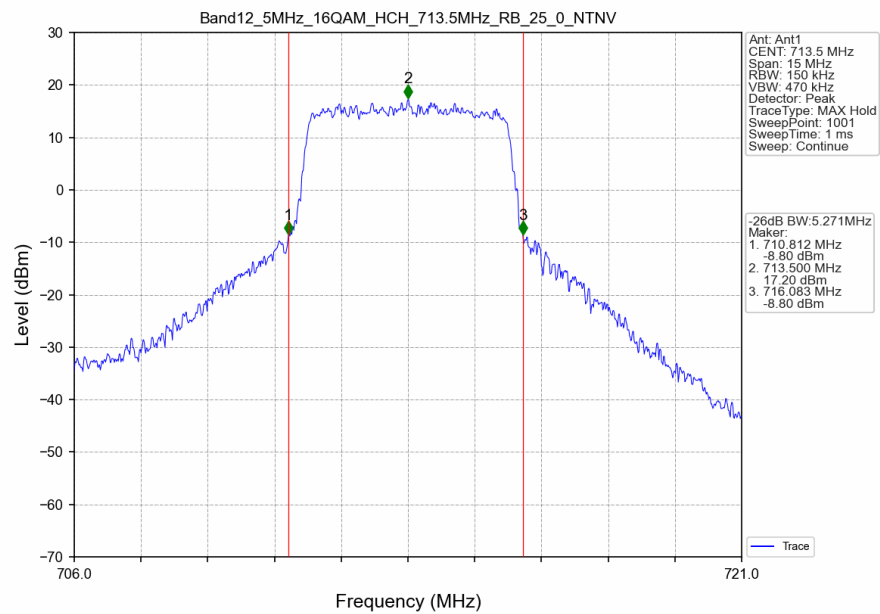
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



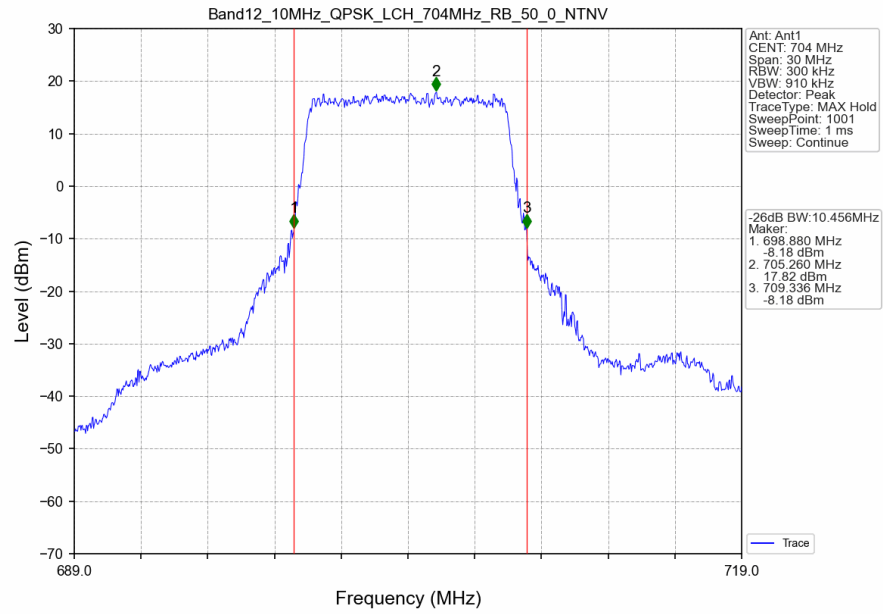
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTN



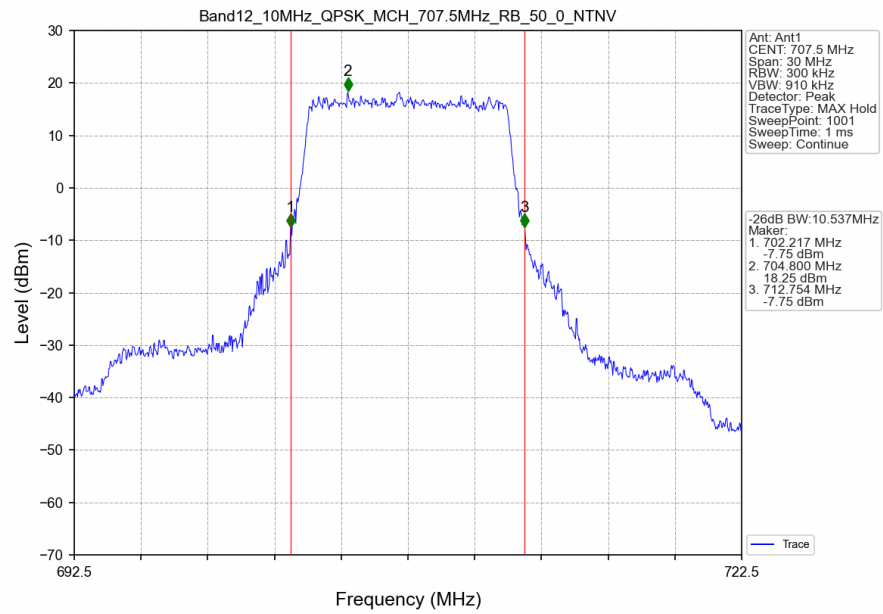
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTN



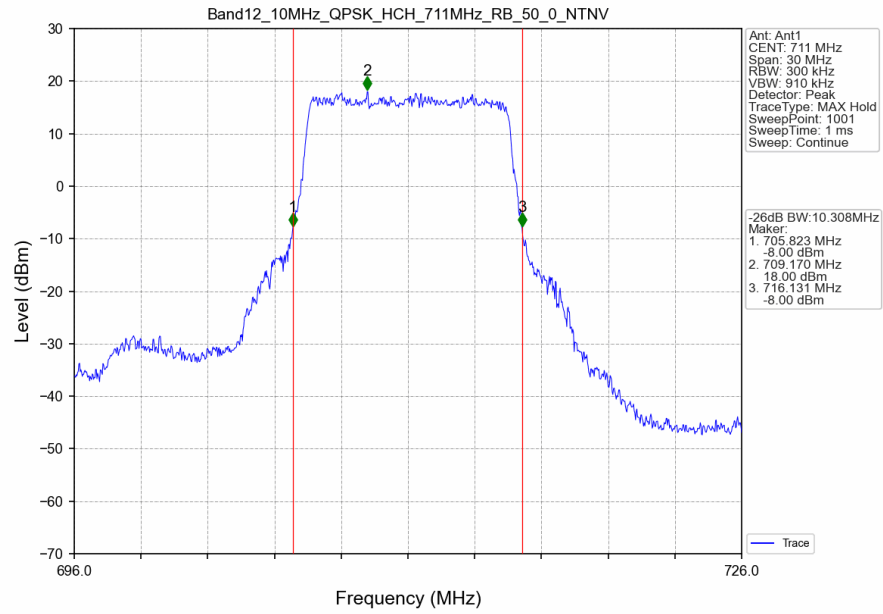
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



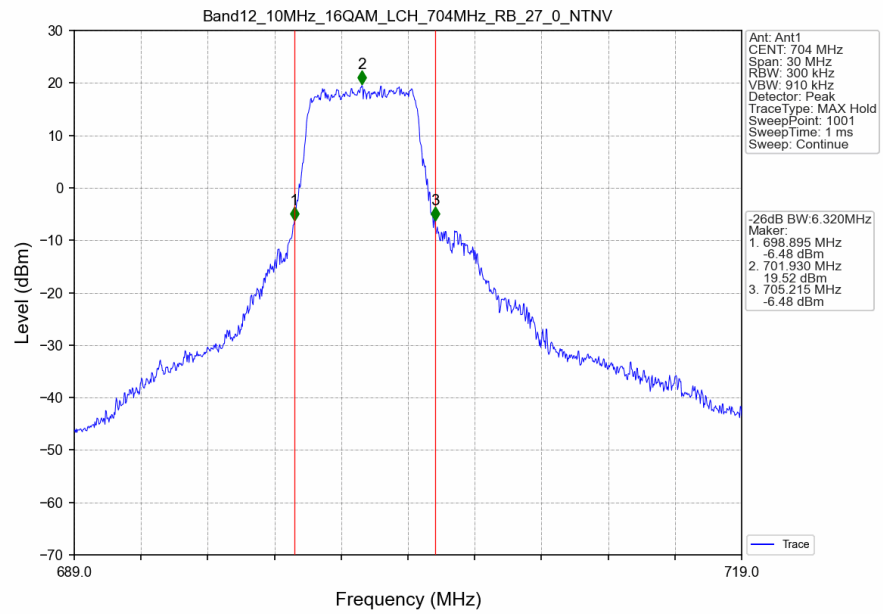
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



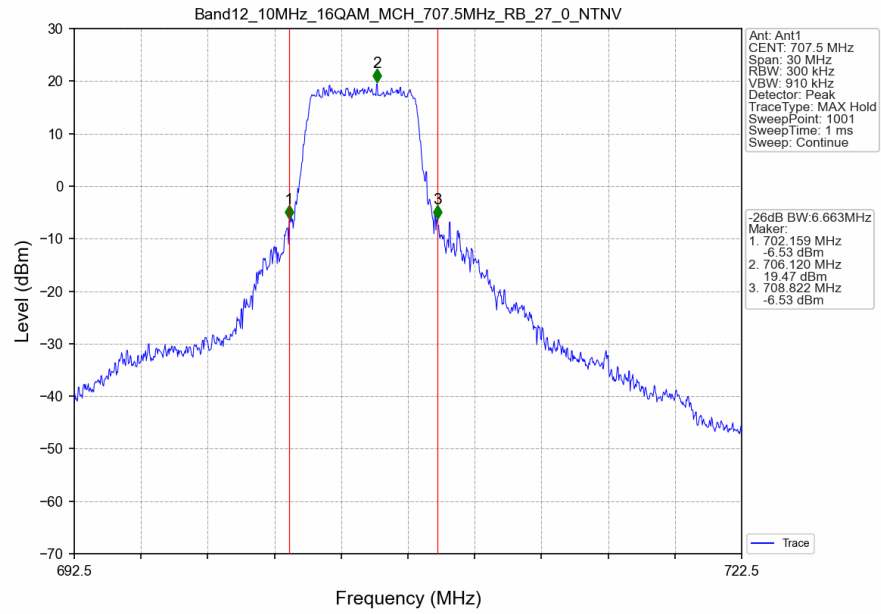
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



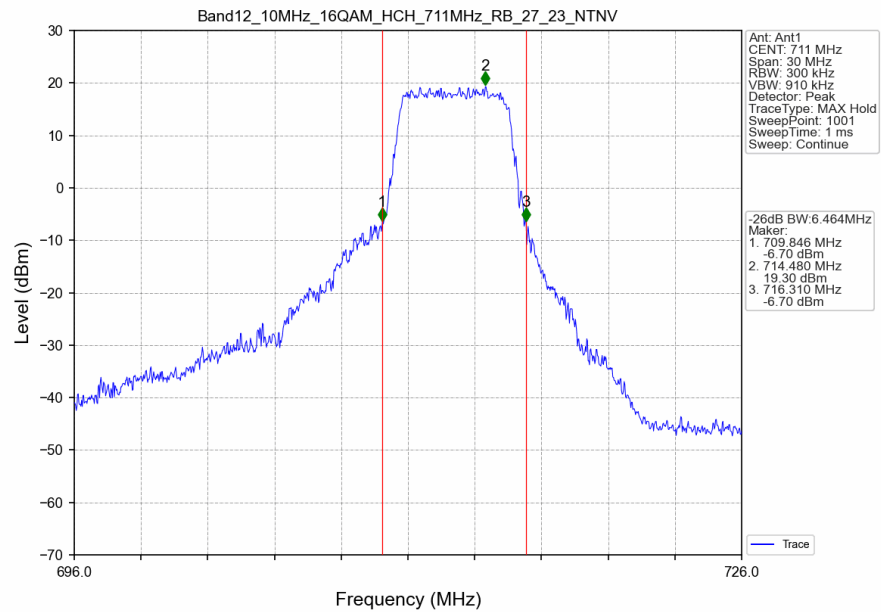
Band12_10MHz_16QAM_LCH_704MHz_RB_27_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_27_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_27_23_NTNV



4. Peak-Average Ratio

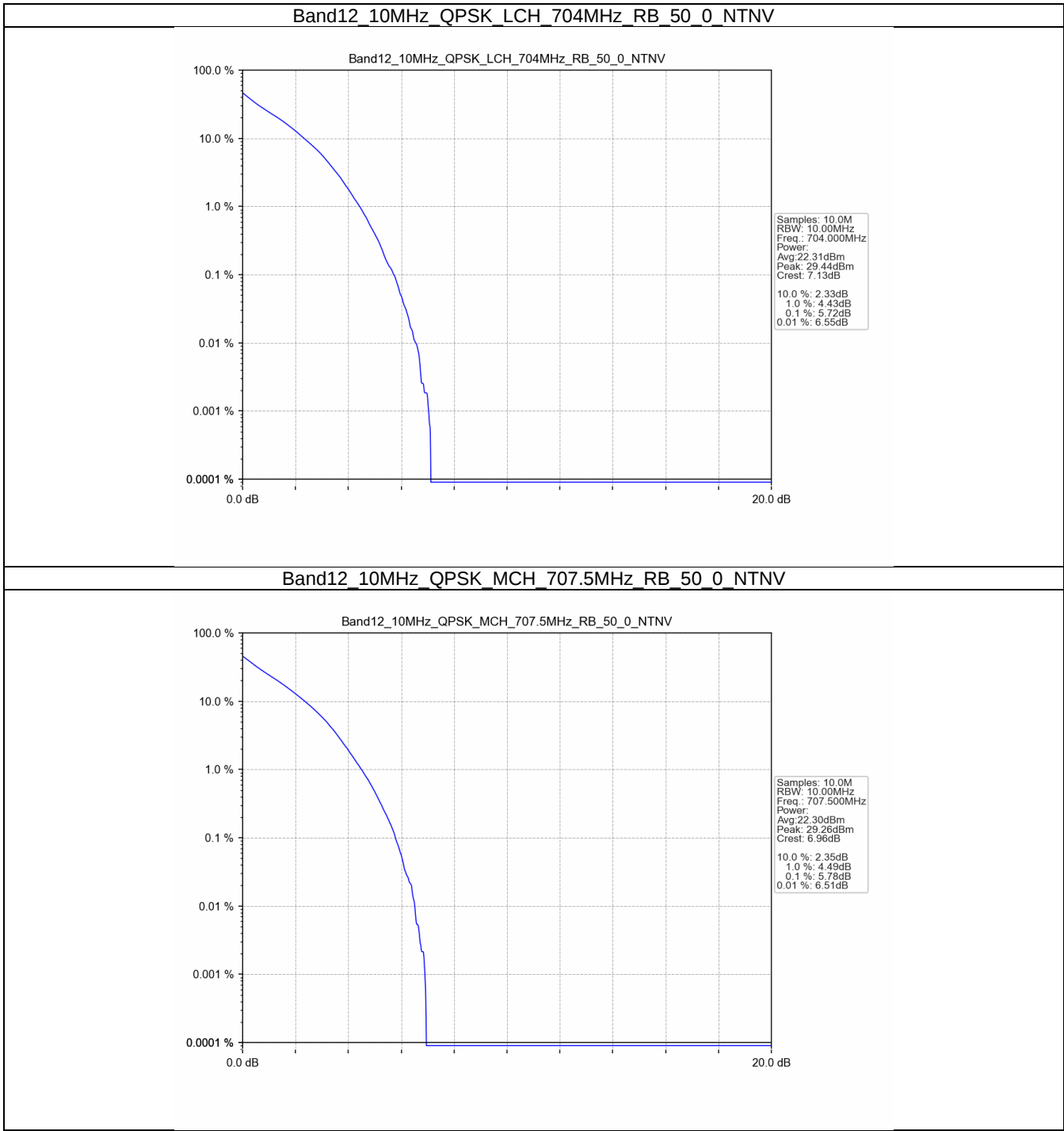
4.1 Test Result

4.1.1 B12_10MHz

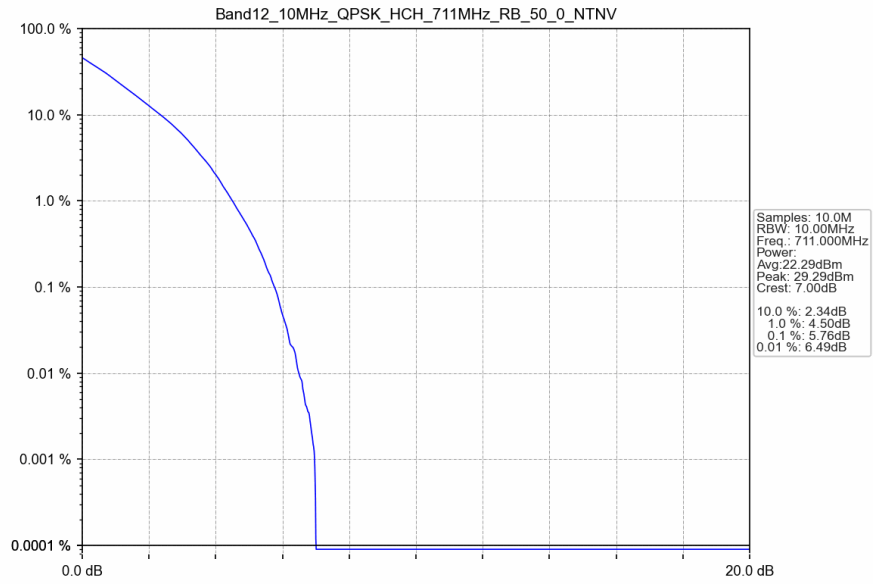
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.72	<=13	Pass
	707.5	50	0	5.78	<=13	Pass
	711	50	0	5.76	<=13	Pass
16QAM	704	27	0	6.56	<=13	Pass
	707.5	27	0	6.56	<=13	Pass
	711	27	23	6.46	<=13	Pass

4.2 Test Graph

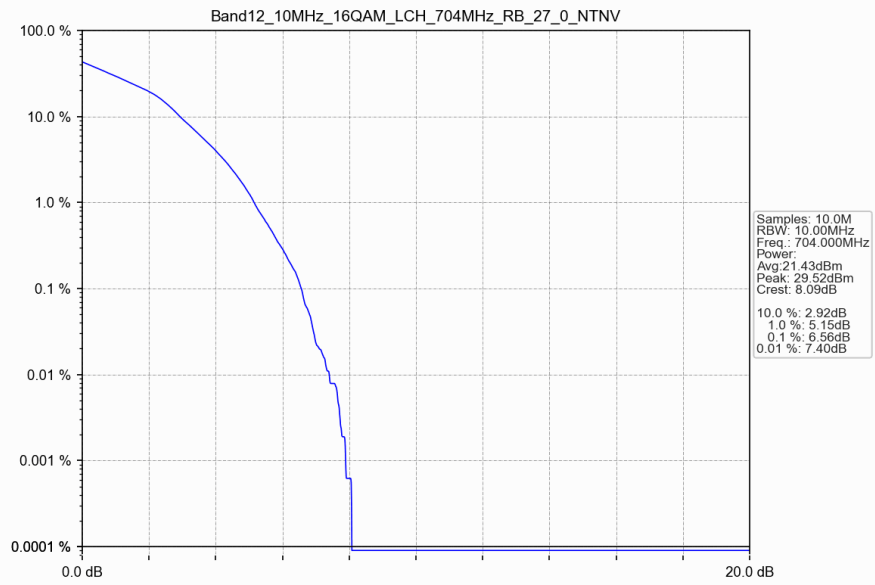
4.2.1 B12_10MHz



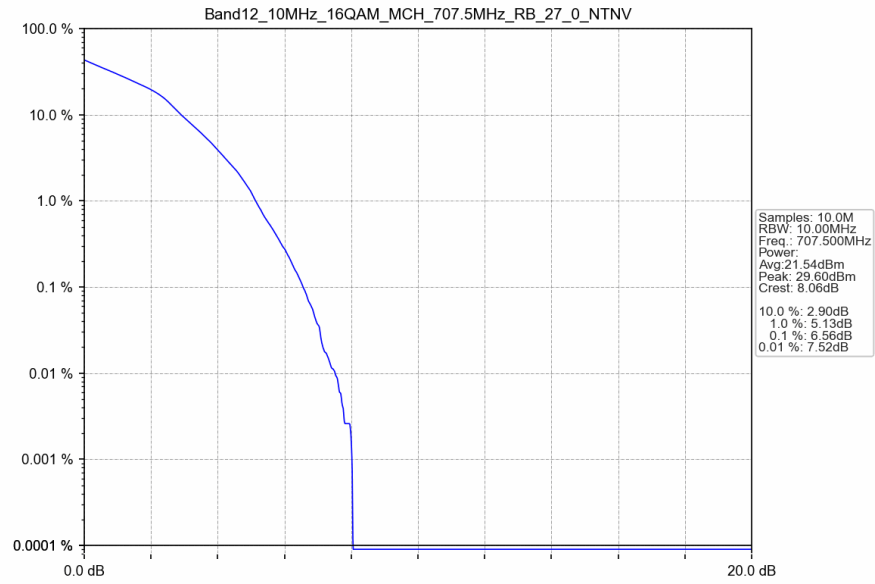
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



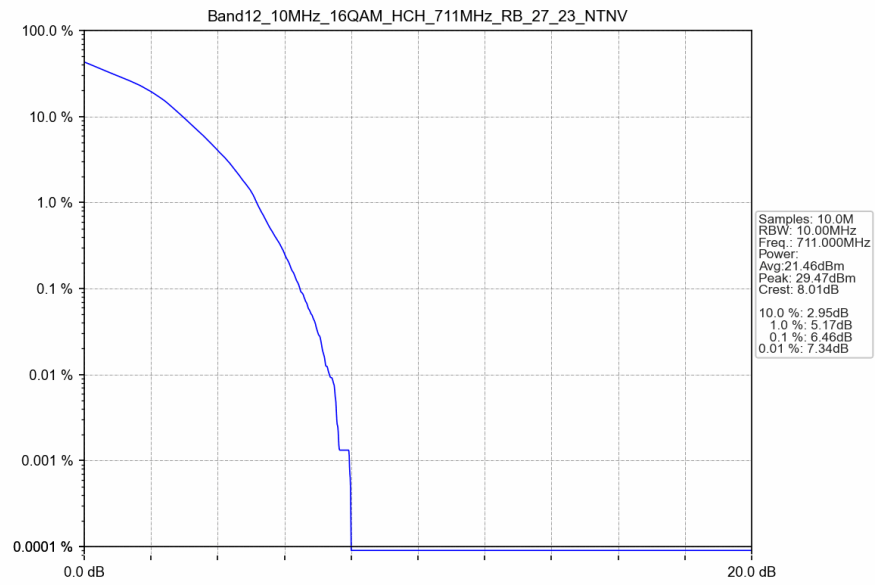
Band12_10MHz_16QAM_LCH_704MHz_RB_27_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_27_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_27_23_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		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
		715.3	1	0	Refer To Test Graph	
	5			Refer To Test Graph		Pass
	6		0	Refer To Test Graph		Pass

5.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTVN						
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	
	14			Refer To Test Graph		Pass
	15		0	Refer To Test Graph		Pass

5.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTVN						
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

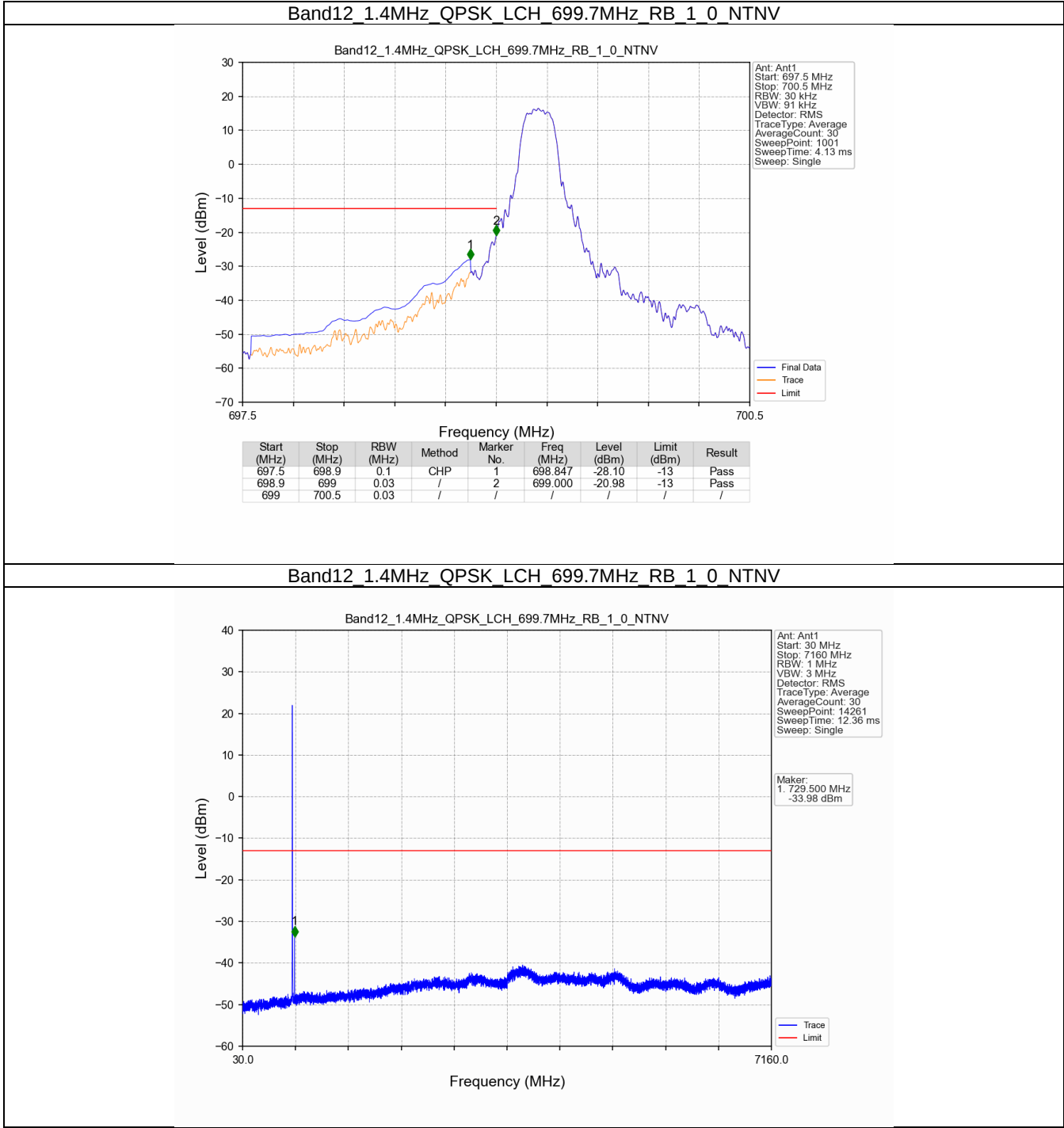
5.1.4 B12_10MHz

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

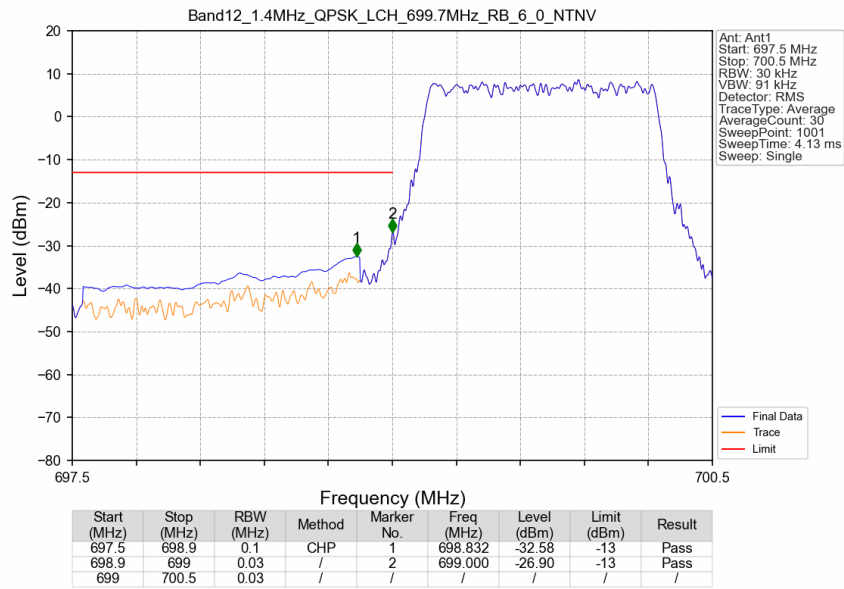
	711	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

5.2 Test Graph

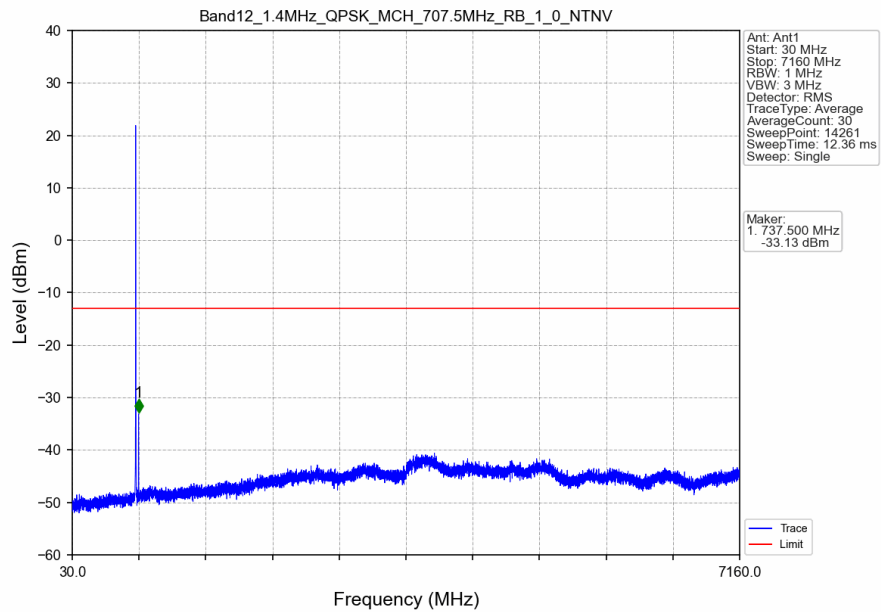
5.2.1 B12_1.4MHz



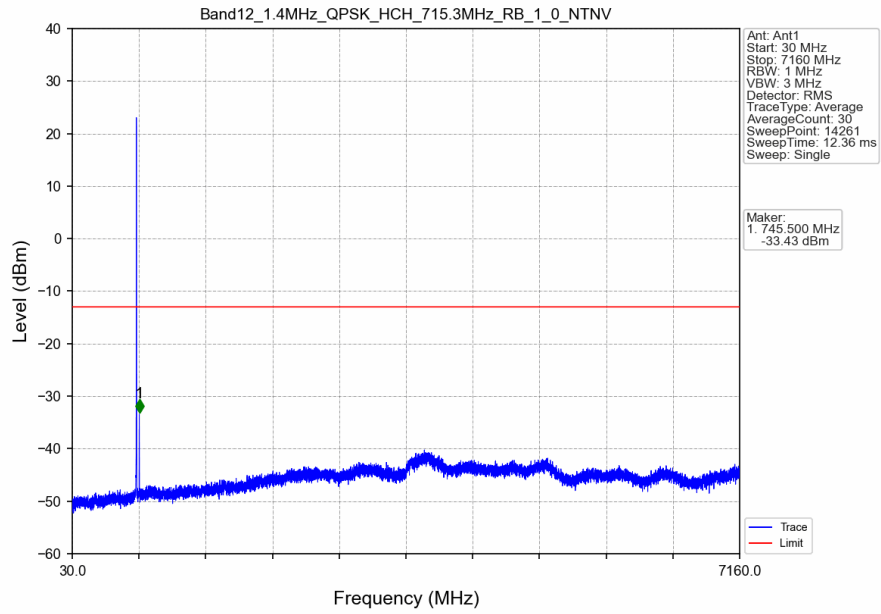
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



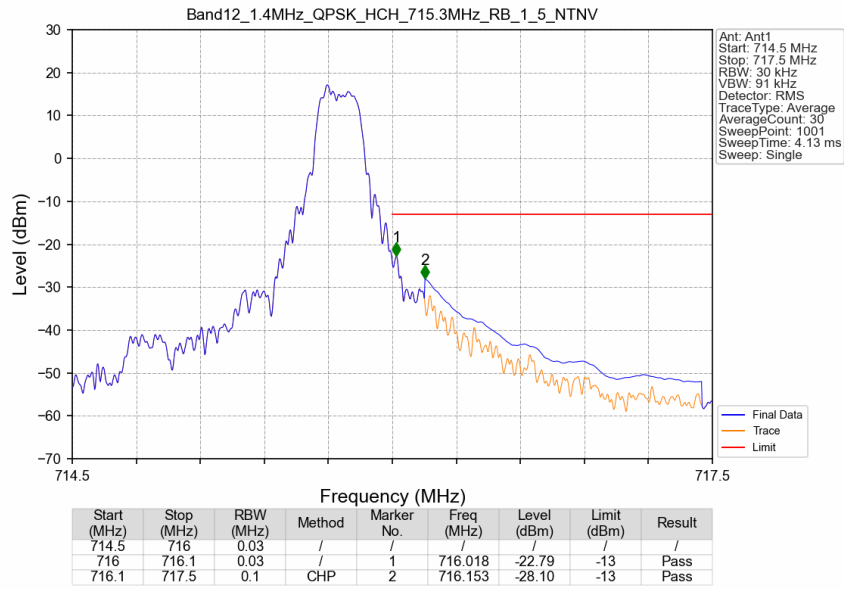
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



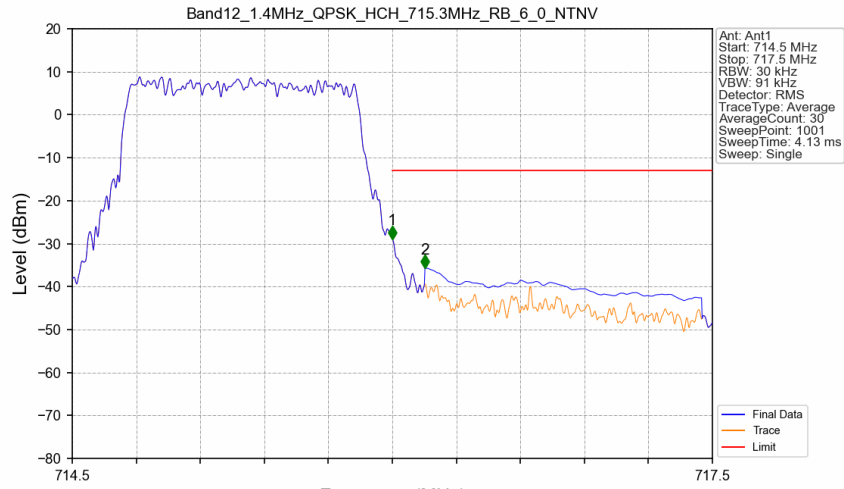
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV

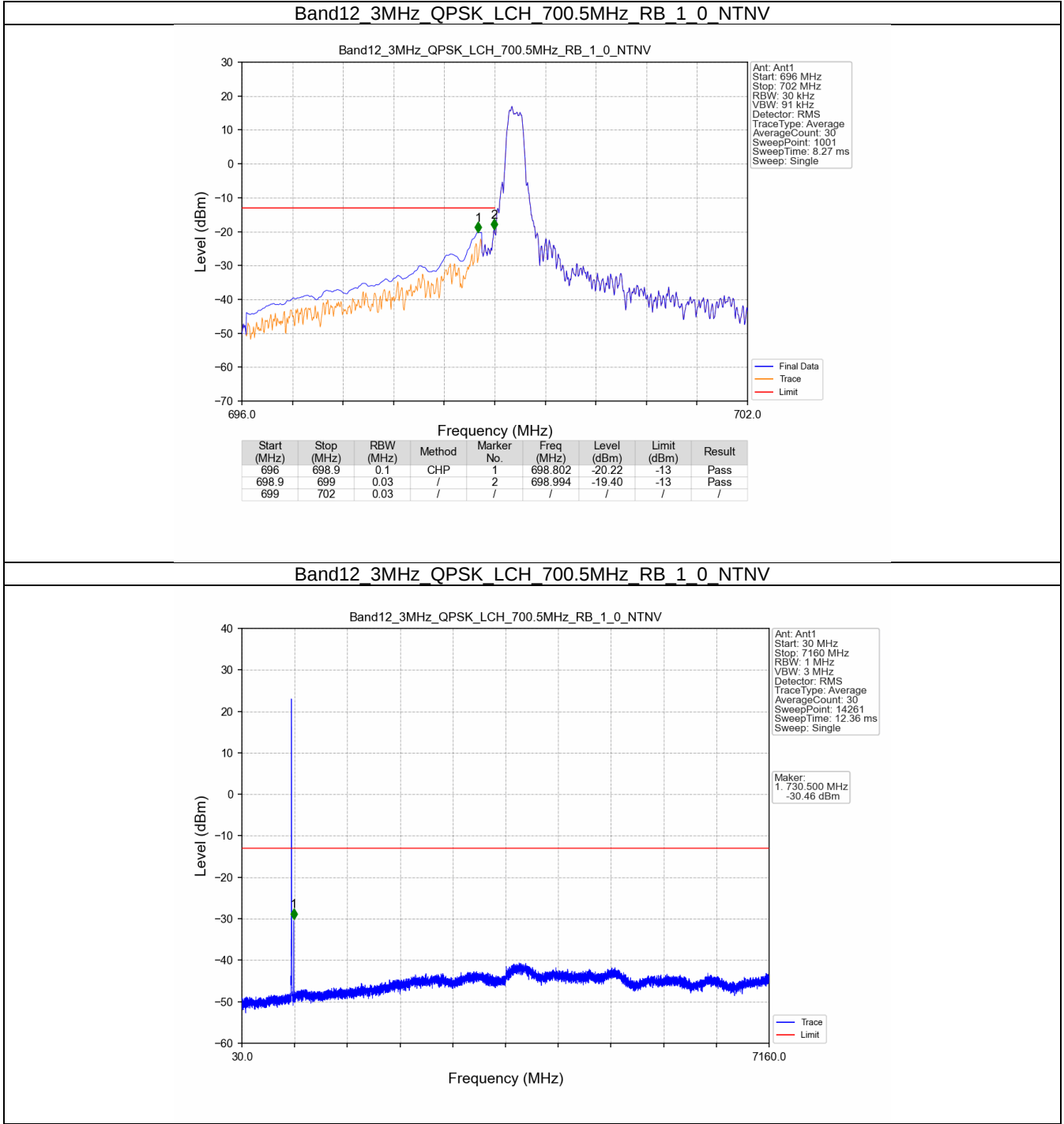


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV

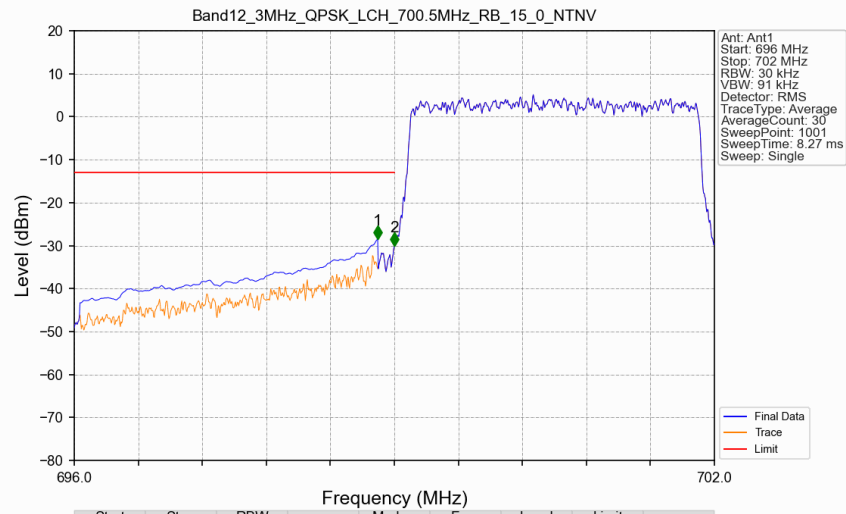


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-28.95	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-35.73	-13	Pass

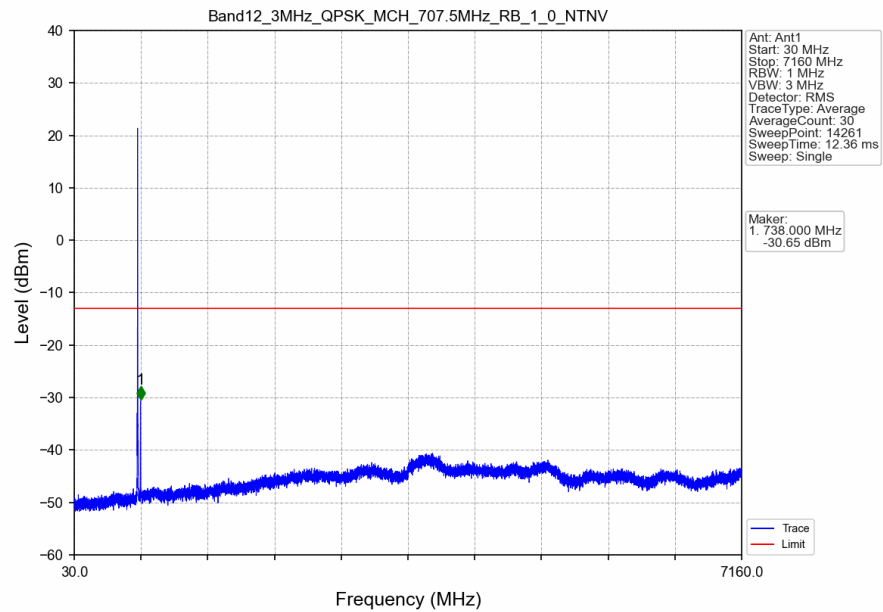
5.2.2 B12_3MHz



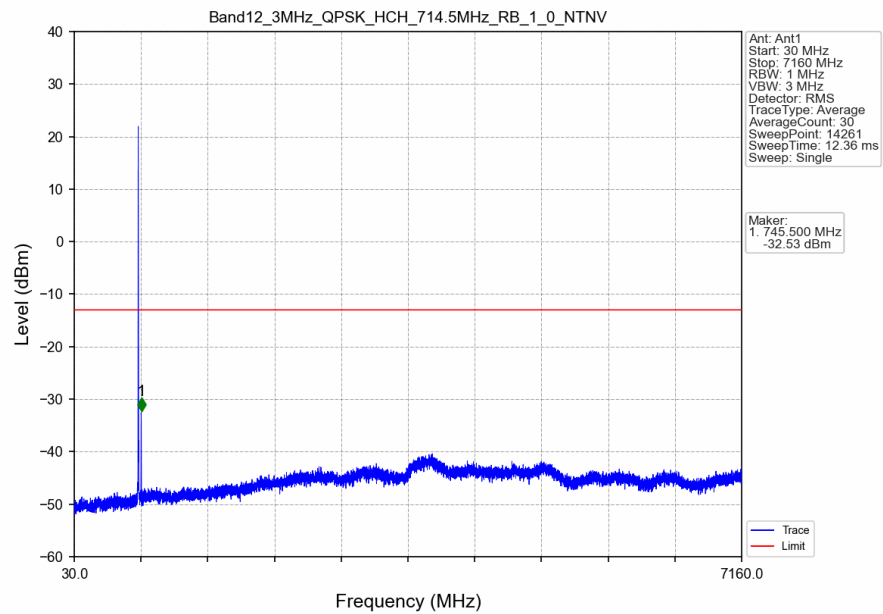
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



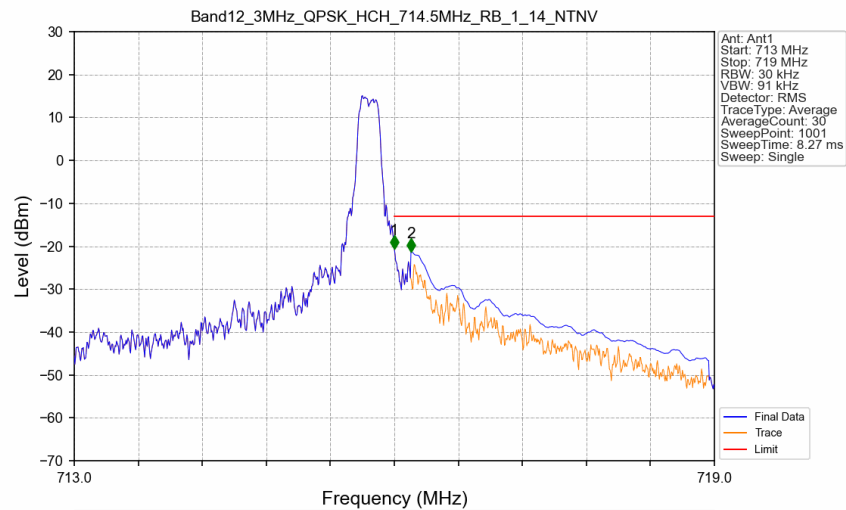
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTV

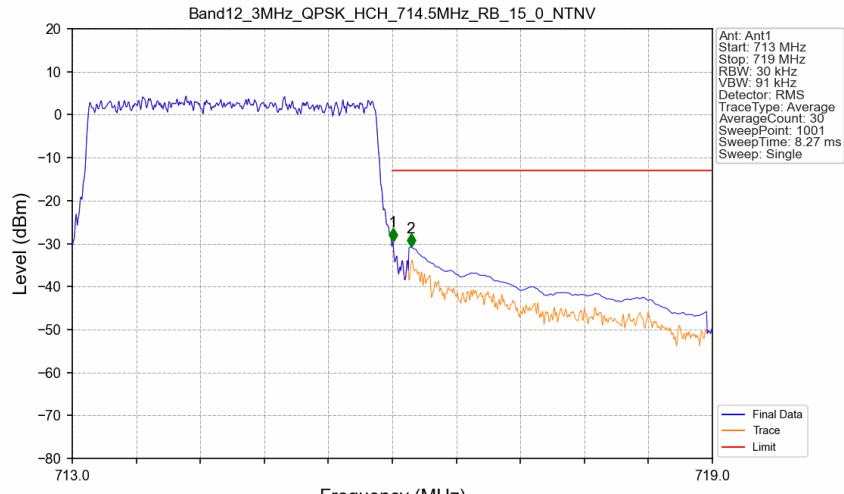


Band12 3MHz QPSK HCH 714.5MHz RB 1 14 NTV



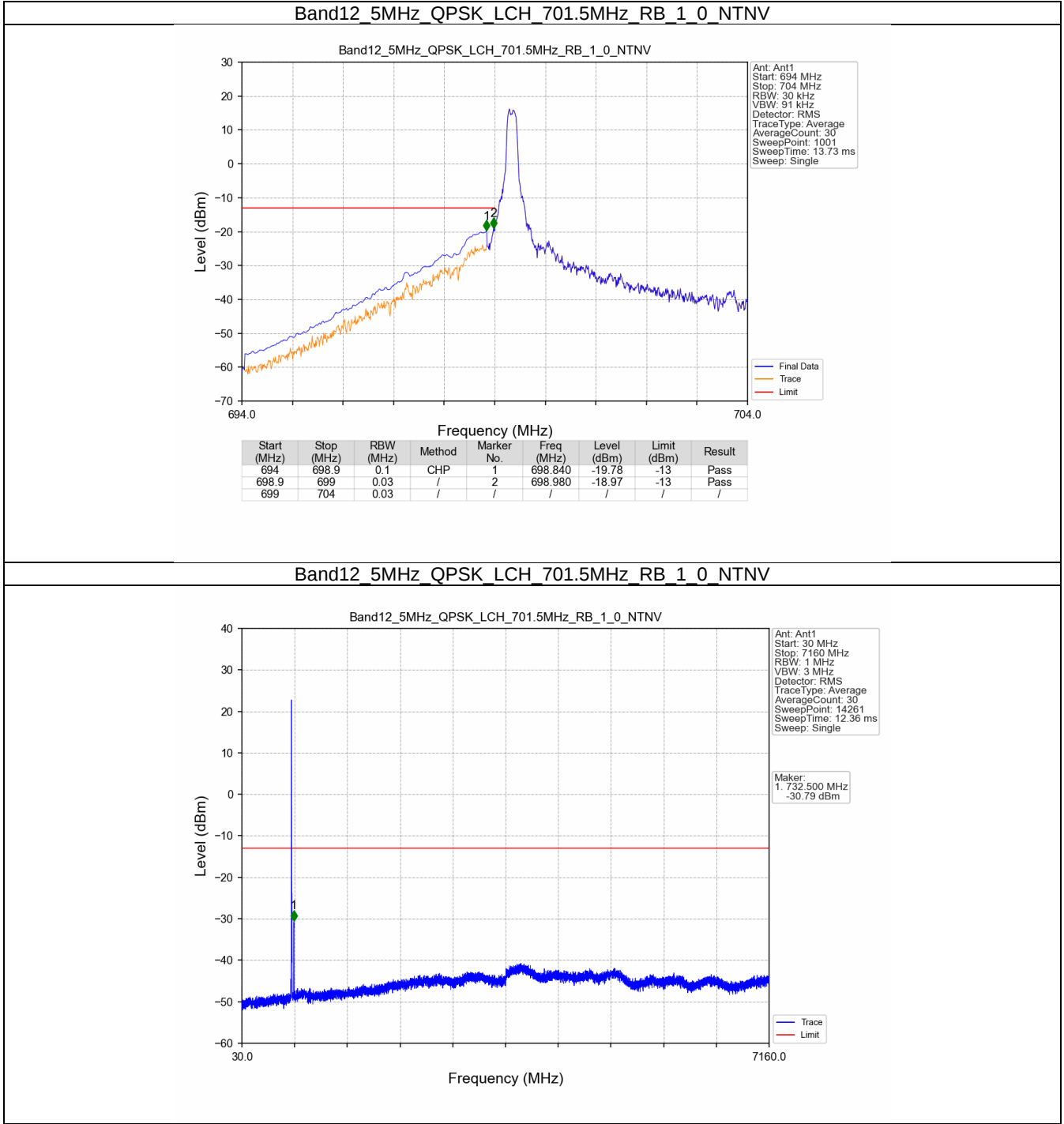
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-20.57	-13	Pass
716.1	719	0.1	CHP	2	716.156	-21.34	-13	Pass

Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTN

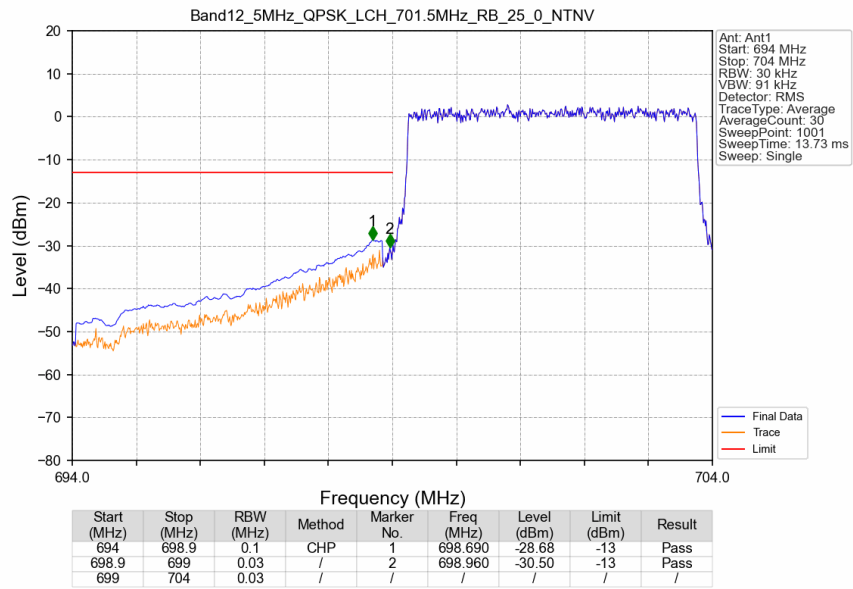


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-29.48	-13	Pass
716.1	719	0.1	CHP	2	716.174	-30.80	-13	Pass

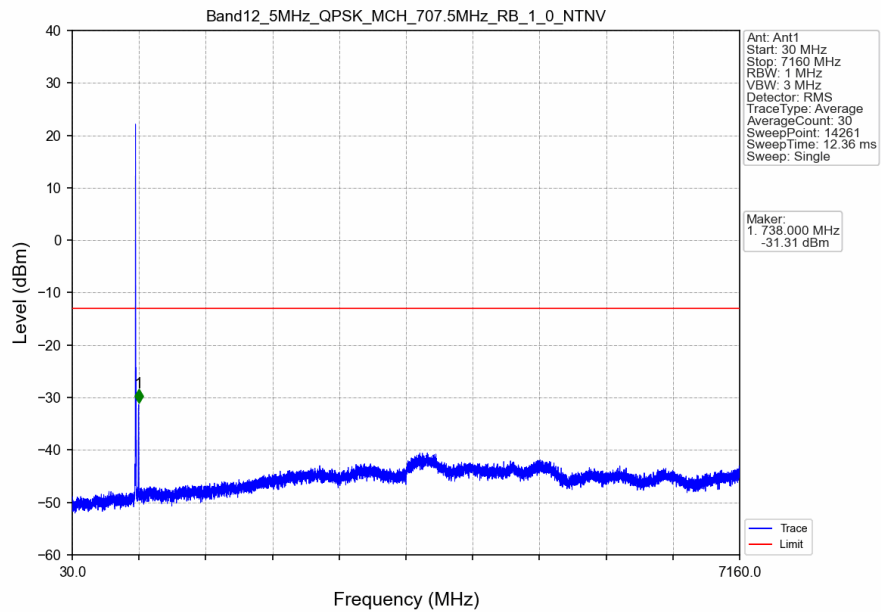
5.2.3 B12_5MHz



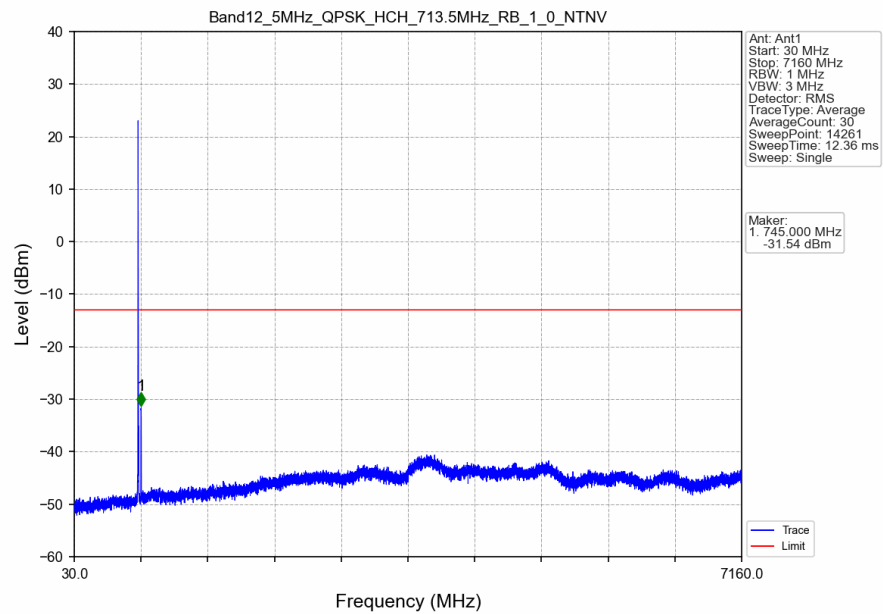
Band12 5MHz QPSK LCH 701.5MHz RB 25_0 NTN



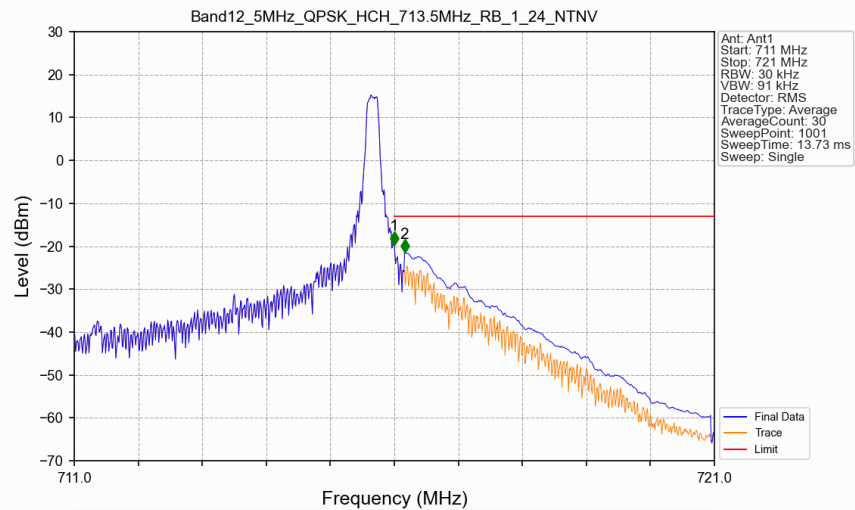
Band12 5MHz QPSK MCH 707.5MHz RB 1_0 NTN



Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTV

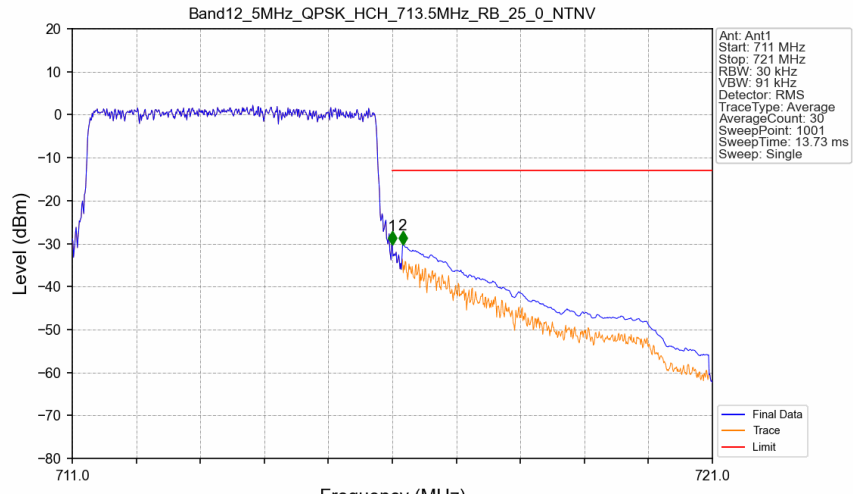


Band12 5MHz QPSK HCH 713.5MHz RB 1 24 NTV



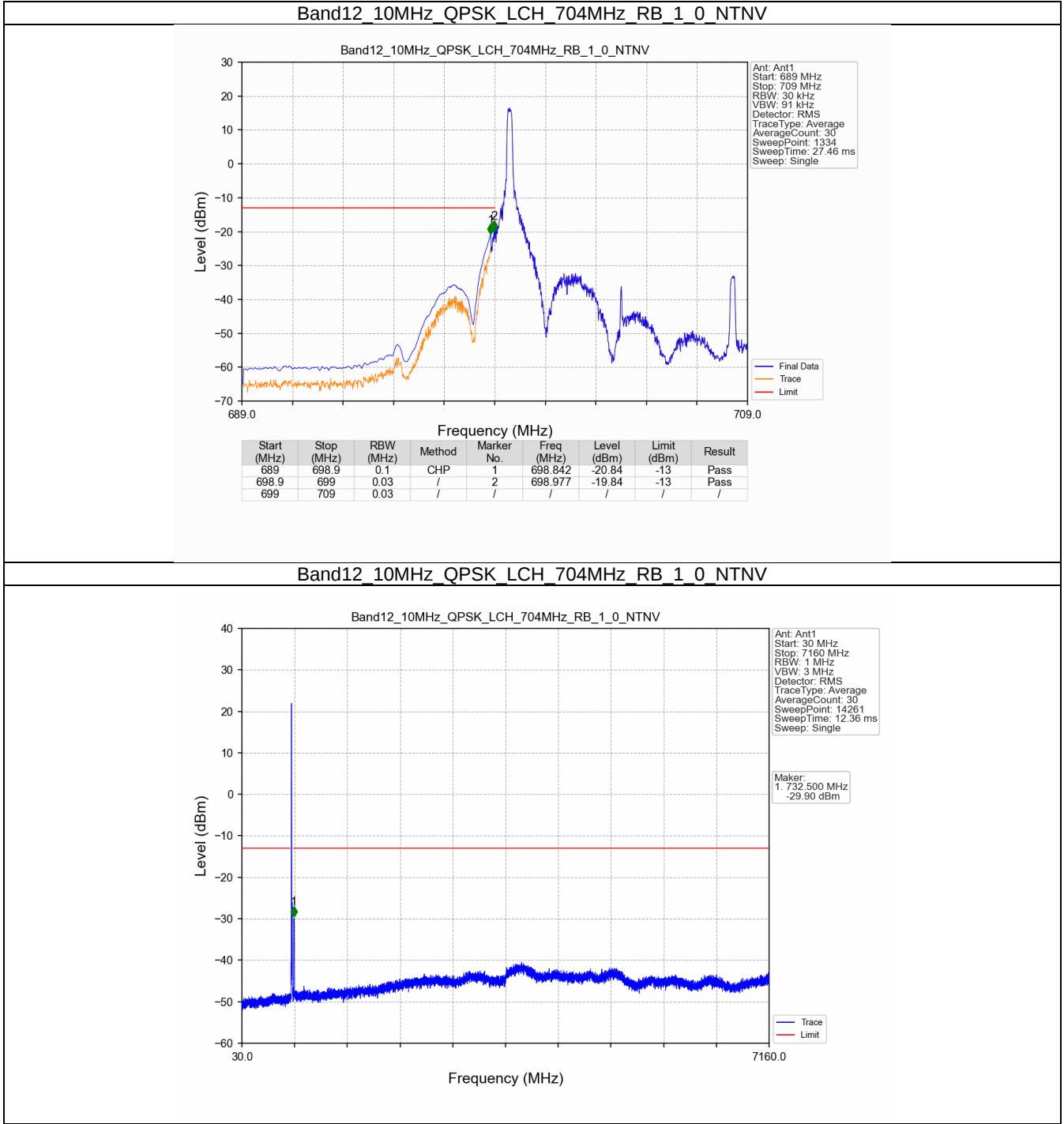
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/				
716	716.1	0.03	/	1	716.000	-19.68	-13	Pass
716.1	721	0.1	CHP	2	716.160	-21.52	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

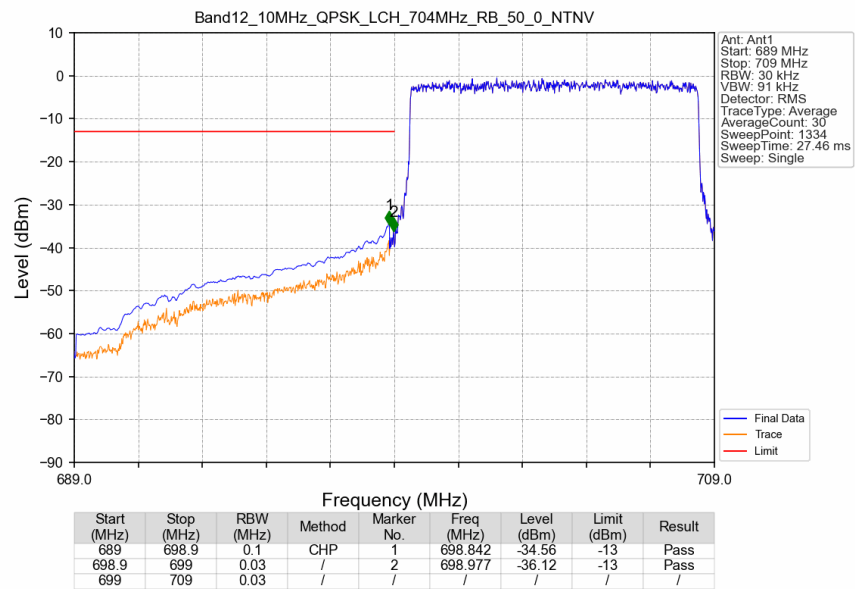


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-30.27	-13	Pass
716.1	721	0.1	CHP	2	716.160	-30.17	-13	Pass

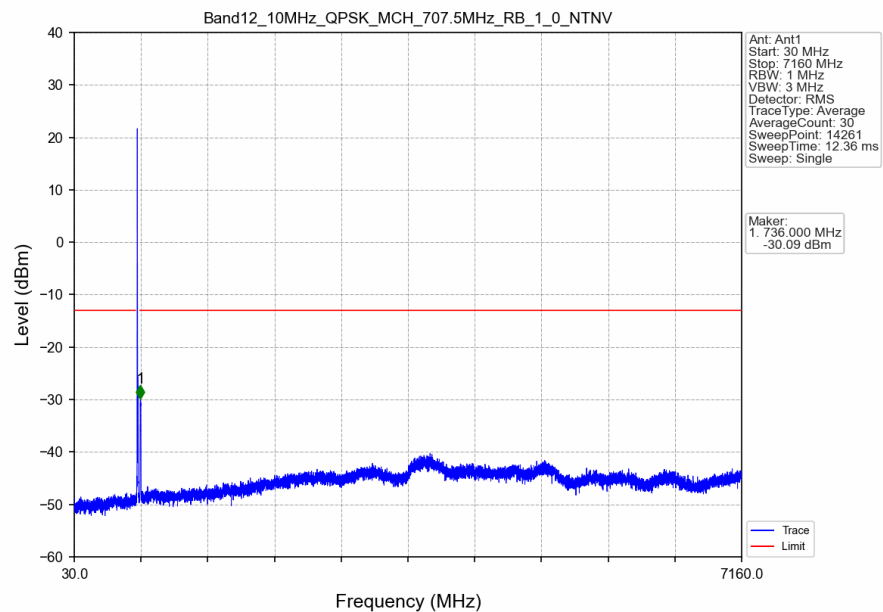
5.2.4 B12_10MHz



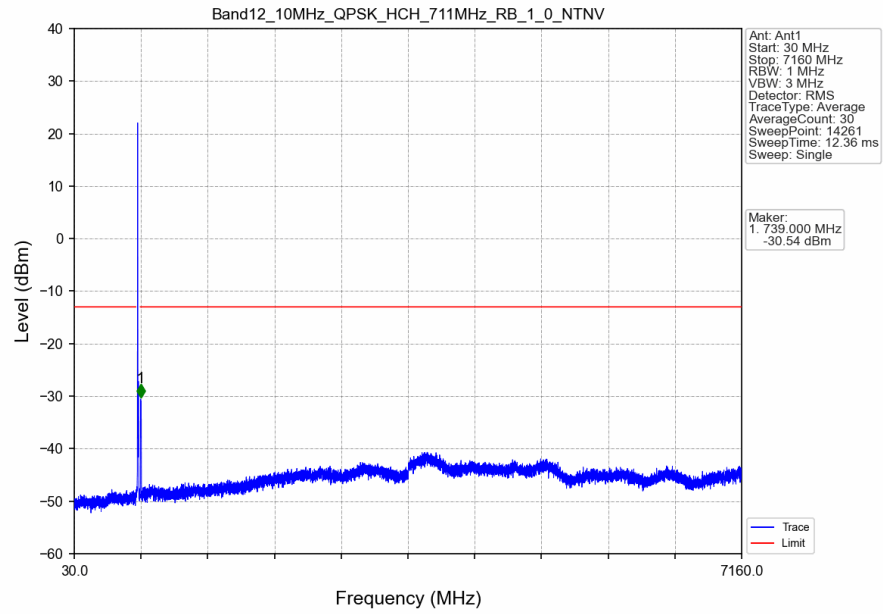
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



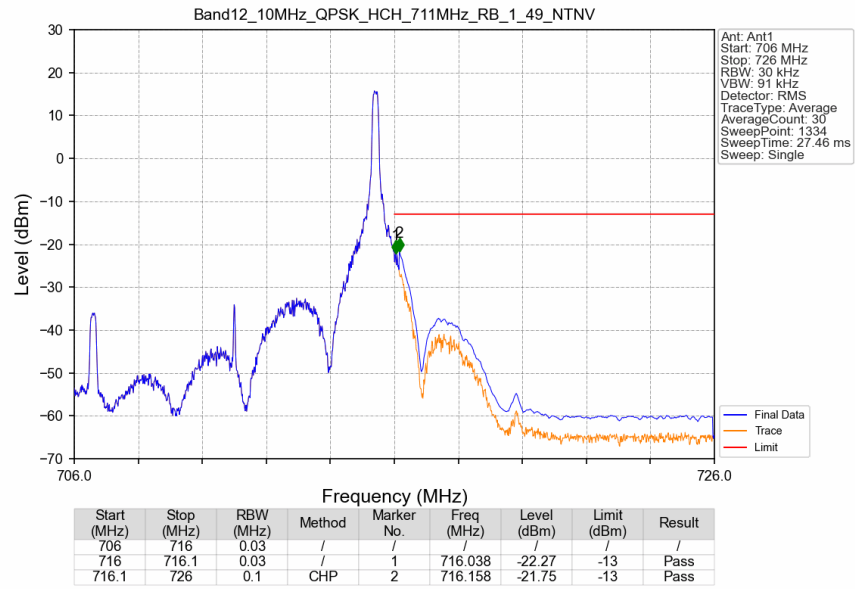
Band12 10MHz QPSK MCH 707.5MHz RB 1 0 NTN



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

