

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	24.45	-4.40	17.90	<=34.77	Pass
			2	24.51	-4.40	17.96	<=34.77	Pass
			5	24.45	-4.40	17.90	<=34.77	Pass
		3	0	24.48	-4.40	17.93	<=34.77	Pass
			2	24.47	-4.40	17.92	<=34.77	Pass
			3	24.49	-4.40	17.94	<=34.77	Pass
		6	0	23.59	-4.40	17.04	<=34.77	Pass
	707.5	1	0	24.37	-4.40	17.82	<=34.77	Pass
			2	24.47	-4.40	17.92	<=34.77	Pass
			5	24.44	-4.40	17.89	<=34.77	Pass
		3	0	24.50	-4.40	17.95	<=34.77	Pass
			2	24.53	-4.40	17.98	<=34.77	Pass
			3	24.49	-4.40	17.94	<=34.77	Pass
		6	0	23.59	-4.40	17.04	<=34.77	Pass
	715.3	1	0	24.74	-4.40	18.19	<=34.77	Pass
			2	24.79	-4.40	18.24	<=34.77	Pass
			5	24.79	-4.40	18.24	<=34.77	Pass
		3	0	24.74	-4.40	18.19	<=34.77	Pass
			2	24.77	-4.40	18.22	<=34.77	Pass
			3	24.75	-4.40	18.20	<=34.77	Pass
		6	0	23.89	-4.40	17.34	<=34.77	Pass
16QAM	699.7	1	0	23.38	-4.40	16.83	<=34.77	Pass
			2	23.41	-4.40	16.86	<=34.77	Pass
			5	23.43	-4.40	16.88	<=34.77	Pass
		3	0	23.48	-4.40	16.93	<=34.77	Pass
			2	23.50	-4.40	16.95	<=34.77	Pass
			3	23.48	-4.40	16.93	<=34.77	Pass
		6	0	22.49	-4.40	15.94	<=34.77	Pass
	707.5	1	0	23.54	-4.40	16.99	<=34.77	Pass
			2	23.58	-4.40	17.03	<=34.77	Pass
			5	23.52	-4.40	16.97	<=34.77	Pass
		3	0	23.40	-4.40	16.85	<=34.77	Pass
			2	23.44	-4.40	16.89	<=34.77	Pass
			3	23.42	-4.40	16.87	<=34.77	Pass
		6	0	22.58	-4.40	16.03	<=34.77	Pass
	715.3	1	0	23.63	-4.40	17.08	<=34.77	Pass
			2	23.69	-4.40	17.14	<=34.77	Pass
			5	23.66	-4.40	17.11	<=34.77	Pass
		3	0	23.71	-4.40	17.16	<=34.77	Pass
			2	23.75	-4.40	17.20	<=34.77	Pass
			3	23.72	-4.40	17.17	<=34.77	Pass
		6	0	22.78	-4.40	16.23	<=34.77	Pass
64QAM	699.7	1	0	22.85	-4.40	16.30	<=34.77	Pass
			2	22.96	-4.40	16.41	<=34.77	Pass
			5	22.84	-4.40	16.29	<=34.77	Pass
		3	0	22.81	-4.40	16.26	<=34.77	Pass
			2	22.80	-4.40	16.25	<=34.77	Pass
			3	22.82	-4.40	16.27	<=34.77	Pass
		6	0	21.55	-4.40	15.00	<=34.77	Pass

	707.5	1	0	22.61	-4.40	16.06	<=34.77	Pass
			2	22.69	-4.40	16.14	<=34.77	Pass
			5	22.60	-4.40	16.05	<=34.77	Pass
		3	0	22.61	-4.40	16.06	<=34.77	Pass
			2	22.67	-4.40	16.12	<=34.77	Pass
			3	22.65	-4.40	16.10	<=34.77	Pass
	715.3	6	0	21.87	-4.40	15.32	<=34.77	Pass
			0	22.89	-4.40	16.34	<=34.77	Pass
			2	22.91	-4.40	16.36	<=34.77	Pass
		1	5	22.91	-4.40	16.36	<=34.77	Pass
			0	22.74	-4.40	16.19	<=34.77	Pass
			2	22.78	-4.40	16.23	<=34.77	Pass
		3	3	22.75	-4.40	16.20	<=34.77	Pass
			0	21.93	-4.40	15.38	<=34.77	Pass
			0					

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	24.31	-4.40	17.76	<=34.77	Pass
			7	24.40	-4.40	17.85	<=34.77	Pass
			14	24.23	-4.40	17.68	<=34.77	Pass
		8	0	23.50	-4.40	16.95	<=34.77	Pass
			4	23.57	-4.40	17.02	<=34.77	Pass
			7	23.46	-4.40	16.91	<=34.77	Pass
		15	0	23.47	-4.40	16.92	<=34.77	Pass
	707.5	1	0	24.27	-4.40	17.72	<=34.77	Pass
			7	24.43	-4.40	17.88	<=34.77	Pass
			14	24.30	-4.40	17.75	<=34.77	Pass
		8	0	23.50	-4.40	16.95	<=34.77	Pass
			4	23.58	-4.40	17.03	<=34.77	Pass
			7	23.50	-4.40	16.95	<=34.77	Pass
		15	0	23.42	-4.40	16.87	<=34.77	Pass
	714.5	1	0	24.47	-4.40	17.92	<=34.77	Pass
			7	24.74	-4.40	18.19	<=34.77	Pass
			14	24.68	-4.40	18.13	<=34.77	Pass
		8	0	23.77	-4.40	17.22	<=34.77	Pass
			4	23.83	-4.40	17.28	<=34.77	Pass
			7	23.75	-4.40	17.20	<=34.77	Pass
		15	0	23.65	-4.40	17.10	<=34.77	Pass
16QAM	700.5	1	0	23.81	-4.40	17.26	<=34.77	Pass
			7	23.89	-4.40	17.34	<=34.77	Pass
			14	23.65	-4.40	17.10	<=34.77	Pass
		8	0	22.61	-4.40	16.06	<=34.77	Pass
			4	22.68	-4.40	16.13	<=34.77	Pass
			7	22.62	-4.40	16.07	<=34.77	Pass
		15	0	22.50	-4.40	15.95	<=34.77	Pass
	707.5	1	0	23.38	-4.40	16.83	<=34.77	Pass
			7	23.55	-4.40	17.00	<=34.77	Pass
			14	23.43	-4.40	16.88	<=34.77	Pass
		8	0	22.41	-4.40	15.86	<=34.77	Pass
			4	22.49	-4.40	15.94	<=34.77	Pass
			7	22.44	-4.40	15.89	<=34.77	Pass
		15	0	22.35	-4.40	15.80	<=34.77	Pass
	714.5	1	0	23.42	-4.40	16.87	<=34.77	Pass

64QAM			7	23.67	-4.40	17.12	<=34.77	Pass	
			14	23.57	-4.40	17.02	<=34.77	Pass	
		8	0	22.77	-4.40	16.22	<=34.77	Pass	
			4	22.84	-4.40	16.29	<=34.77	Pass	
			7	22.74	-4.40	16.19	<=34.77	Pass	
		15	0	22.69	-4.40	16.14	<=34.77	Pass	
	700.5	1	0	22.67	-4.40	16.12	<=34.77	Pass	
			7	22.77	-4.40	16.22	<=34.77	Pass	
			14	22.62	-4.40	16.07	<=34.77	Pass	
		8	0	21.59	-4.40	15.04	<=34.77	Pass	
			4	21.58	-4.40	15.03	<=34.77	Pass	
			7	21.51	-4.40	14.96	<=34.77	Pass	
		15	0	21.43	-4.40	14.88	<=34.77	Pass	
		707.5	1	0	22.47	-4.40	15.92	<=34.77	Pass
				7	22.63	-4.40	16.08	<=34.77	Pass
				14	22.54	-4.40	15.99	<=34.77	Pass
			8	0	21.52	-4.40	14.97	<=34.77	Pass
				4	21.59	-4.40	15.04	<=34.77	Pass
				7	21.53	-4.40	14.98	<=34.77	Pass
			15	0	21.47	-4.40	14.92	<=34.77	Pass
	714.5	1	0	22.74	-4.40	16.19	<=34.77	Pass	
			7	22.89	-4.40	16.34	<=34.77	Pass	
			14	22.76	-4.40	16.21	<=34.77	Pass	
		8	0	21.70	-4.40	15.15	<=34.77	Pass	
			4	21.70	-4.40	15.15	<=34.77	Pass	
			7	21.64	-4.40	15.09	<=34.77	Pass	
		15	0	21.74	-4.40	15.19	<=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	24.53	-4.40	17.98	<=34.77	Pass
			13	24.60	-4.40	18.05	<=34.77	Pass
			24	24.48	-4.40	17.93	<=34.77	Pass
		12	0	23.50	-4.40	16.95	<=34.77	Pass
			6	23.55	-4.40	17.00	<=34.77	Pass
			13	23.53	-4.40	16.98	<=34.77	Pass
		25	0	23.46	-4.40	16.91	<=34.77	Pass
	707.5	1	0	24.48	-4.40	17.93	<=34.77	Pass
			13	24.66	-4.40	18.11	<=34.77	Pass
			24	24.59	-4.40	18.04	<=34.77	Pass
		12	0	23.51	-4.40	16.96	<=34.77	Pass
			6	23.59	-4.40	17.04	<=34.77	Pass
			13	23.63	-4.40	17.08	<=34.77	Pass
		25	0	23.53	-4.40	16.98	<=34.77	Pass
	713.5	1	0	24.65	-4.40	18.10	<=34.77	Pass
			13	24.87	-4.40	18.32	<=34.77	Pass
			24	24.84	-4.40	18.29	<=34.77	Pass
		12	0	23.75	-4.40	17.20	<=34.77	Pass
			6	23.83	-4.40	17.28	<=34.77	Pass
			13	23.73	-4.40	17.18	<=34.77	Pass
		25	0	23.71	-4.40	17.16	<=34.77	Pass
16QAM	701.5	1	0	23.32	-4.40	16.77	<=34.77	Pass
			13	23.40	-4.40	16.85	<=34.77	Pass

		12	24	23.29	-4.40	16.74	<=34.77	Pass	
			0	22.45	-4.40	15.90	<=34.77	Pass	
			6	22.52	-4.40	15.97	<=34.77	Pass	
			13	22.49	-4.40	15.94	<=34.77	Pass	
		25	0	22.49	-4.40	15.94	<=34.77	Pass	
	707.5	1	0	23.67	-4.40	17.12	<=34.77	Pass	
			13	23.78	-4.40	17.23	<=34.77	Pass	
			24	23.79	-4.40	17.24	<=34.77	Pass	
		12	0	22.47	-4.40	15.92	<=34.77	Pass	
			6	22.59	-4.40	16.04	<=34.77	Pass	
			13	22.58	-4.40	16.03	<=34.77	Pass	
		25	0	22.50	-4.40	15.95	<=34.77	Pass	
	713.5	1	0	23.70	-4.40	17.15	<=34.77	Pass	
			13	23.93	-4.40	17.38	<=34.77	Pass	
			24	23.85	-4.40	17.30	<=34.77	Pass	
		12	0	22.71	-4.40	16.16	<=34.77	Pass	
			6	22.79	-4.40	16.24	<=34.77	Pass	
			13	22.69	-4.40	16.14	<=34.77	Pass	
		25	0	22.73	-4.40	16.18	<=34.77	Pass	
	64QAM	701.5	1	0	22.46	-4.40	15.91	<=34.77	Pass
				13	22.51	-4.40	15.96	<=34.77	Pass
24				22.40	-4.40	15.85	<=34.77	Pass	
12			0	21.49	-4.40	14.94	<=34.77	Pass	
			6	21.53	-4.40	14.98	<=34.77	Pass	
			13	21.50	-4.40	14.95	<=34.77	Pass	
25			0	21.46	-4.40	14.91	<=34.77	Pass	
707.5		1	0	22.78	-4.40	16.23	<=34.77	Pass	
			13	22.95	-4.40	16.40	<=34.77	Pass	
			24	22.87	-4.40	16.32	<=34.77	Pass	
		12	0	21.40	-4.40	14.85	<=34.77	Pass	
			6	21.52	-4.40	14.97	<=34.77	Pass	
			13	21.56	-4.40	15.01	<=34.77	Pass	
		25	0	21.56	-4.40	15.01	<=34.77	Pass	
713.5		1	0	22.83	-4.40	16.28	<=34.77	Pass	
			13	23.05	-4.40	16.50	<=34.77	Pass	
			24	23.01	-4.40	16.46	<=34.77	Pass	
		12	0	21.78	-4.40	15.23	<=34.77	Pass	
			6	21.90	-4.40	15.35	<=34.77	Pass	
			13	21.81	-4.40	15.26	<=34.77	Pass	
		25	0	21.75	-4.40	15.20	<=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	24.62	-4.40	18.07	<=34.77	Pass
			25	24.58	-4.40	18.03	<=34.77	Pass
			49	24.59	-4.40	18.04	<=34.77	Pass
		25	0	23.44	-4.40	16.89	<=34.77	Pass
			13	23.53	-4.40	16.98	<=34.77	Pass
			25	23.51	-4.40	16.96	<=34.77	Pass
		50	0	23.44	-4.40	16.89	<=34.77	Pass
	707.5	1	0	24.56	-4.40	18.01	<=34.77	Pass
			25	24.64	-4.40	18.09	<=34.77	Pass
			49	24.68	-4.40	18.13	<=34.77	Pass
		25	0	23.46	-4.40	16.91	<=34.77	Pass
			13	23.60	-4.40	17.05	<=34.77	Pass
			25	23.63	-4.40	17.08	<=34.77	Pass
		50	0	23.55	-4.40	17.00	<=34.77	Pass
	711	1	0	24.63	-4.40	18.08	<=34.77	Pass
			25	24.79	-4.40	18.24	<=34.77	Pass
			49	24.96	-4.40	18.41	<=34.77	Pass
		25	0	23.47	-4.40	16.92	<=34.77	Pass
			13	23.72	-4.40	17.17	<=34.77	Pass
			25	23.57	-4.40	17.02	<=34.77	Pass
		50	0	23.58	-4.40	17.03	<=34.77	Pass
16QAM	704	1	0	24.07	-4.40	17.52	<=34.77	Pass
			25	24.06	-4.40	17.51	<=34.77	Pass
			49	24.02	-4.40	17.47	<=34.77	Pass
		25	0	22.53	-4.40	15.98	<=34.77	Pass
			13	22.55	-4.40	16.00	<=34.77	Pass
			25	22.55	-4.40	16.00	<=34.77	Pass
		50	0	22.48	-4.40	15.93	<=34.77	Pass
	707.5	1	0	23.66	-4.40	17.11	<=34.77	Pass
			25	23.77	-4.40	17.22	<=34.77	Pass
			49	23.81	-4.40	17.26	<=34.77	Pass
		25	0	22.46	-4.40	15.91	<=34.77	Pass
			13	22.66	-4.40	16.11	<=34.77	Pass
			25	22.63	-4.40	16.08	<=34.77	Pass
		50	0	22.53	-4.40	15.98	<=34.77	Pass
	711	1	0	23.61	-4.40	17.06	<=34.77	Pass
			25	23.74	-4.40	17.19	<=34.77	Pass
			49	23.87	-4.40	17.32	<=34.77	Pass
		25	0	22.61	-4.40	16.06	<=34.77	Pass
			13	22.84	-4.40	16.29	<=34.77	Pass
			25	22.66	-4.40	16.11	<=34.77	Pass
		50	0	22.52	-4.40	15.97	<=34.77	Pass
64QAM	704	1	0	22.88	-4.40	16.33	<=34.77	Pass
			25	22.84	-4.40	16.29	<=34.77	Pass
			49	22.83	-4.40	16.28	<=34.77	Pass
		25	0	21.52	-4.40	14.97	<=34.77	Pass
			13	21.58	-4.40	15.03	<=34.77	Pass
			25	21.54	-4.40	14.99	<=34.77	Pass
		50	0	21.52	-4.40	14.97	<=34.77	Pass
	707.5	1	0	22.67	-4.40	16.12	<=34.77	Pass
			25	22.77	-4.40	16.22	<=34.77	Pass

		25	49	22.84	-4.40	16.29	<=34.77	Pass
			0	21.53	-4.40	14.98	<=34.77	Pass
			13	21.70	-4.40	15.15	<=34.77	Pass
			25	21.73	-4.40	15.18	<=34.77	Pass
		50	0	21.63	-4.40	15.08	<=34.77	Pass
	711	1	0	22.76	-4.40	16.21	<=34.77	Pass
			25	22.91	-4.40	16.36	<=34.77	Pass
			49	23.00	-4.40	16.45	<=34.77	Pass
		25	0	21.61	-4.40	15.06	<=34.77	Pass
			13	21.81	-4.40	15.26	<=34.77	Pass
			25	21.69	-4.40	15.14	<=34.77	Pass
		50	0	21.58	-4.40	15.03	<=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	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	707.5	50	0	20	LV	-3.856	-0.0055	-2.5 to 2.5	Pass
					NV	-4.594	-0.0065	-2.5 to 2.5	Pass
					HV	-2.059	-0.0029	-2.5 to 2.5	Pass
				-30	NV	-1.992	-0.0028	-2.5 to 2.5	Pass
				-20	NV	-2.768	-0.0039	-2.5 to 2.5	Pass
				-10	NV	0.123	0.0002	-2.5 to 2.5	Pass
				0	NV	-0.808	-0.0011	-2.5 to 2.5	Pass
				10	NV	0.087	0.0001	-2.5 to 2.5	Pass
				30	NV	-0.254	-0.0004	-2.5 to 2.5	Pass
				40	NV	-2.580	-0.0036	-2.5 to 2.5	Pass
				50	NV	-3.003	-0.0042	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

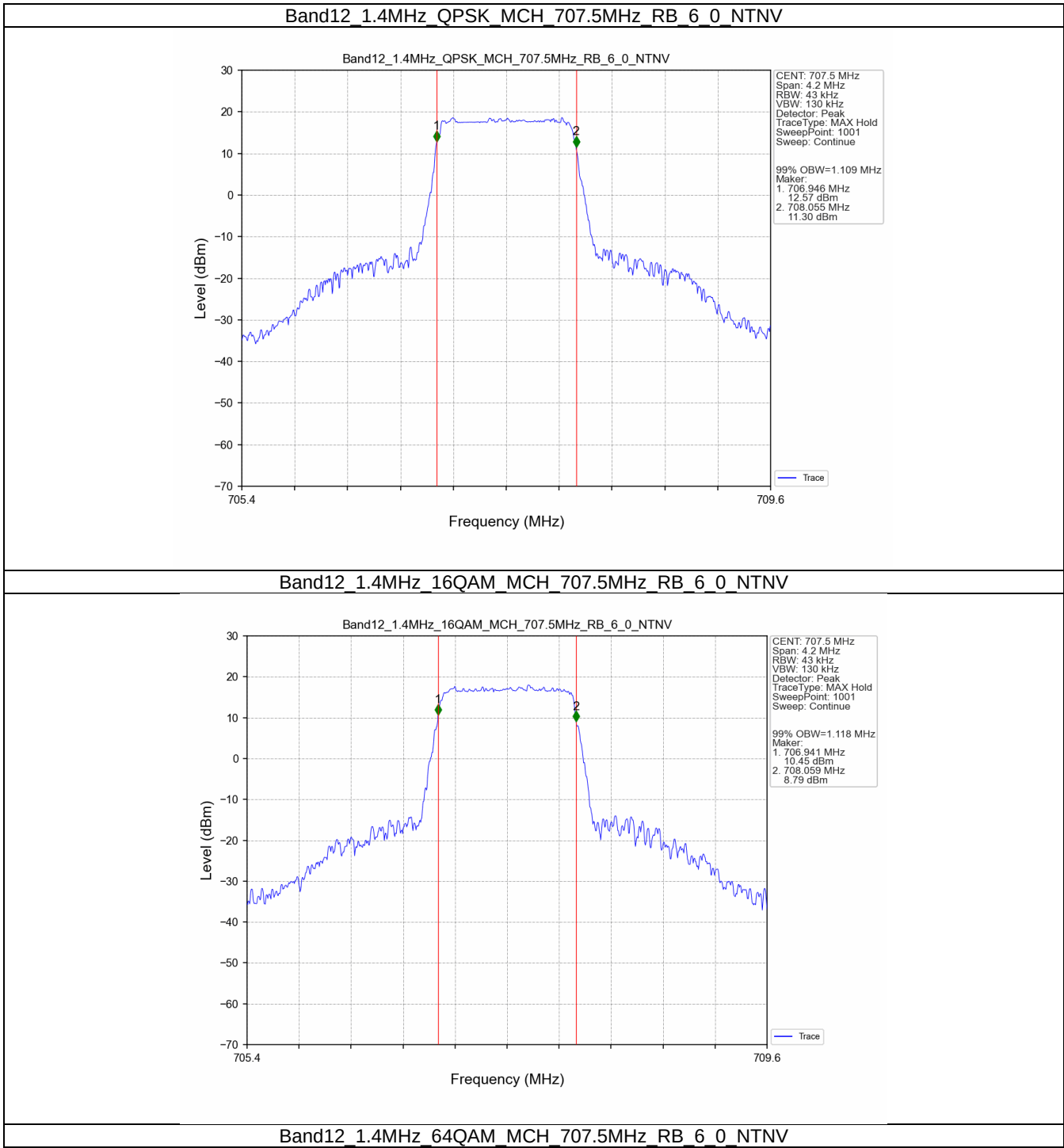
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.109	/	Pass
	16QAM	707.5	6	0	1.118	/	Pass
	64QAM	707.5	6	0	1.101	/	Pass
3	QPSK	707.5	15	0	2.718	/	Pass
	16QAM	707.5	15	0	2.716	/	Pass
	64QAM	707.5	15	0	2.723	/	Pass
5	QPSK	707.5	25	0	4.552	/	Pass
	16QAM	707.5	25	0	4.529	/	Pass
	64QAM	707.5	25	0	4.555	/	Pass
10	QPSK	707.5	50	0	9.047	/	Pass
	16QAM	707.5	50	0	9.042	/	Pass
	64QAM	707.5	50	0	9.035	/	Pass

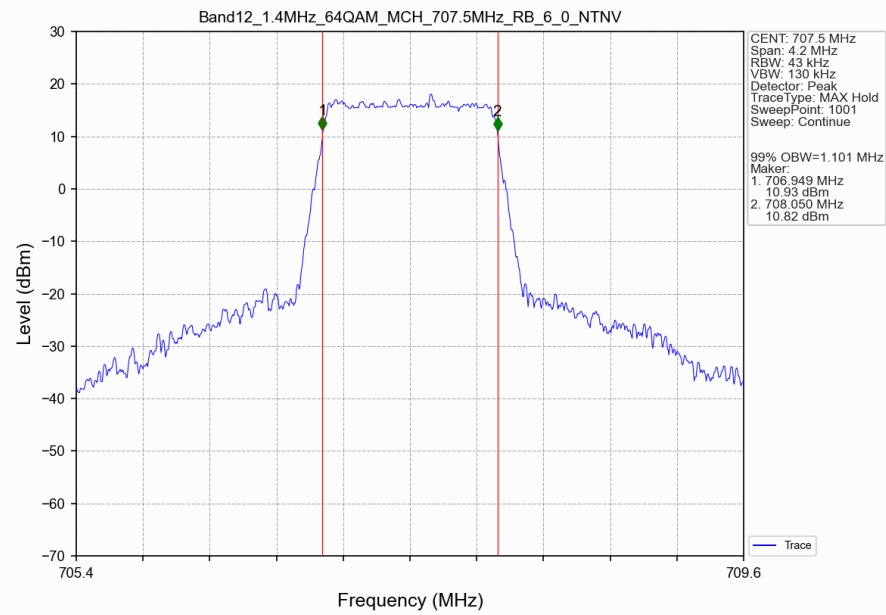
3.1.2 Band12_XDB

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.317	/	Pass
	16QAM	707.5	6	0	1.324	/	Pass
	64QAM	707.5	6	0	1.290	/	Pass
3	QPSK	707.5	15	0	3.065	/	Pass
	16QAM	707.5	15	0	3.044	/	Pass
	64QAM	707.5	15	0	3.027	/	Pass
5	QPSK	707.5	25	0	5.002	/	Pass
	16QAM	707.5	25	0	4.992	/	Pass
	64QAM	707.5	25	0	5.008	/	Pass
10	QPSK	707.5	50	0	9.937	/	Pass
	16QAM	707.5	50	0	9.913	/	Pass
	64QAM	707.5	50	0	9.891	/	Pass

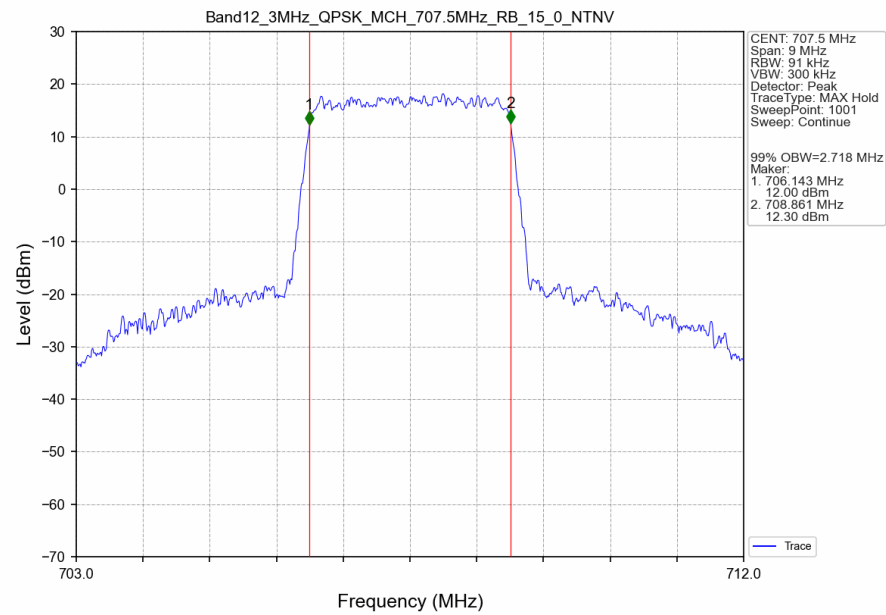
3.2 Test Graph

3.2.1 Band12_OBW

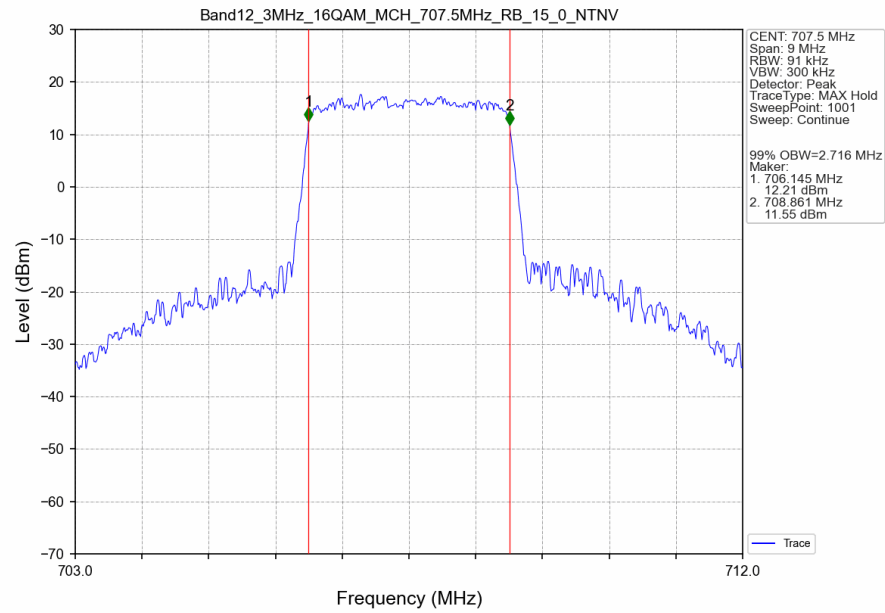




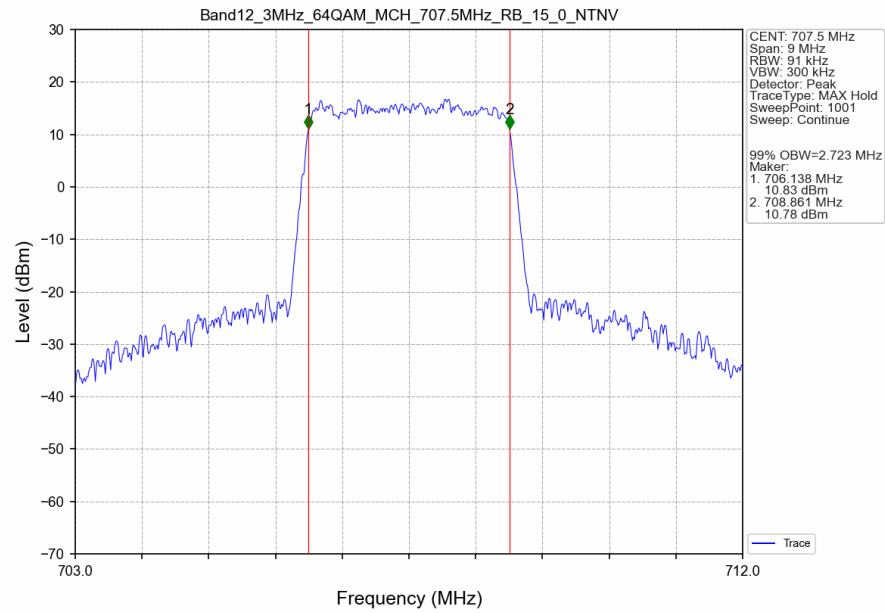
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



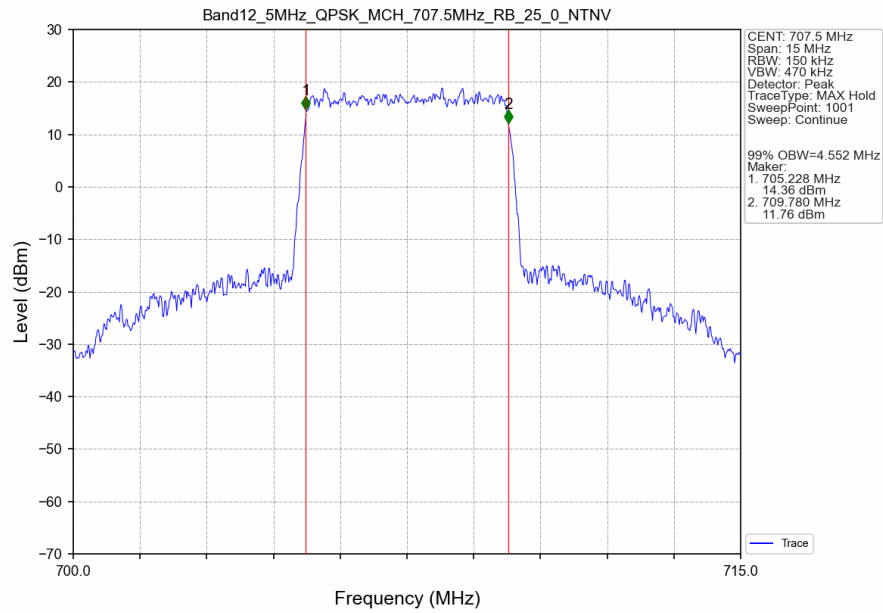
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



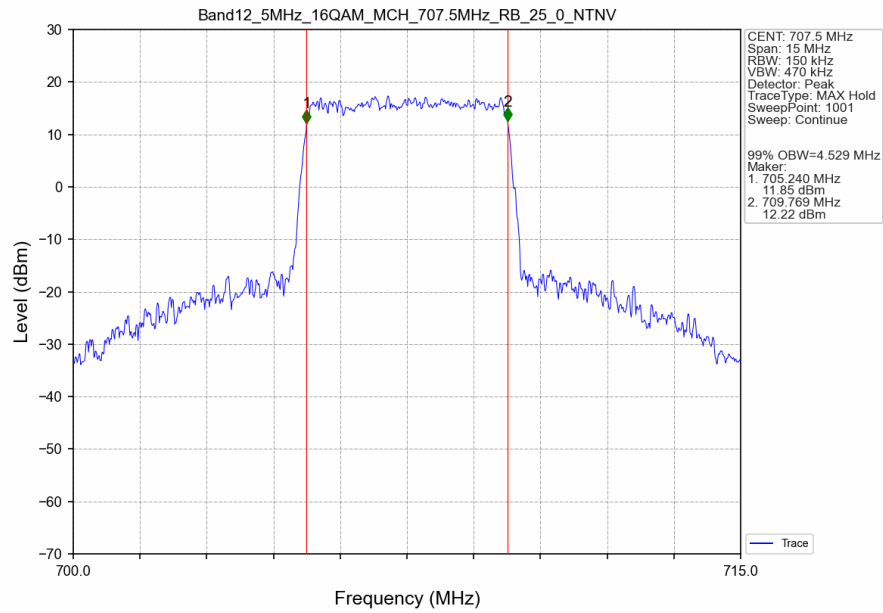
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



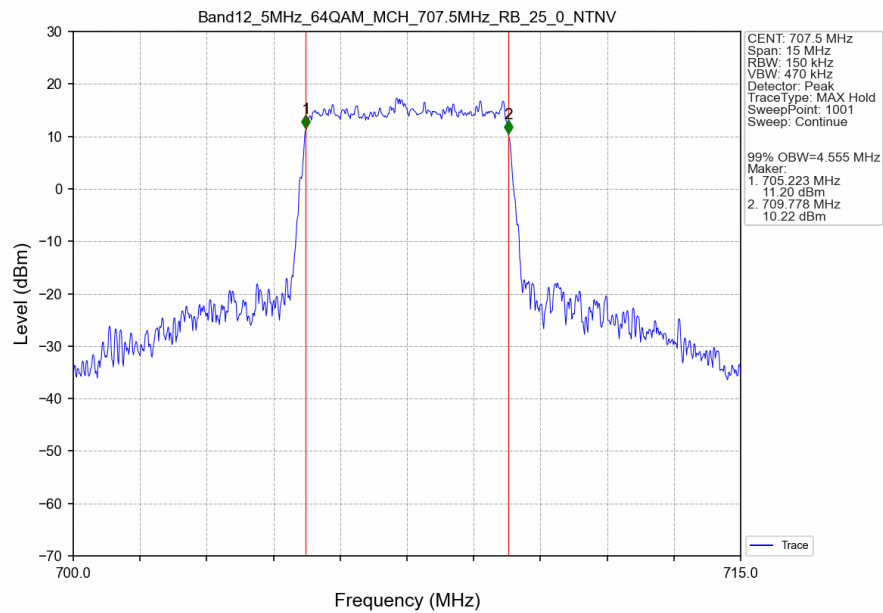
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



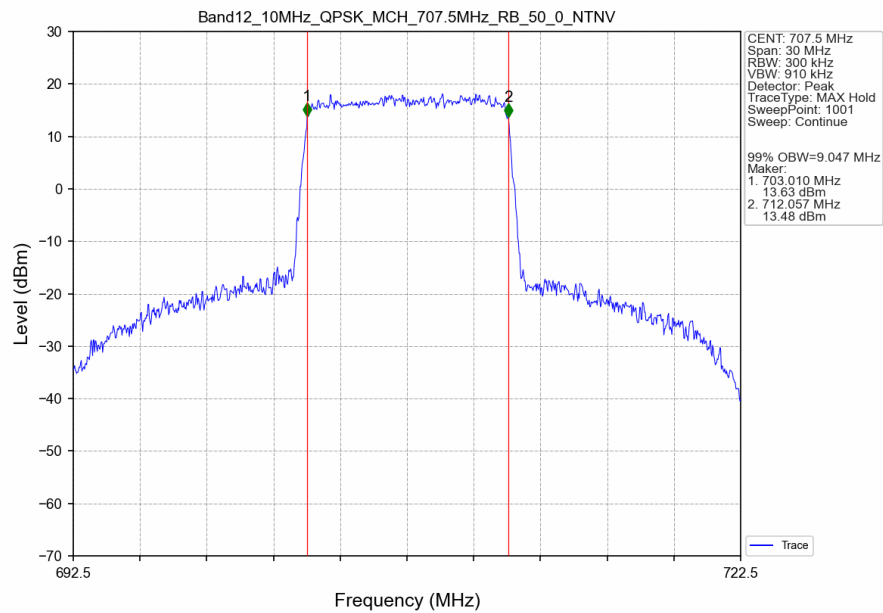
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



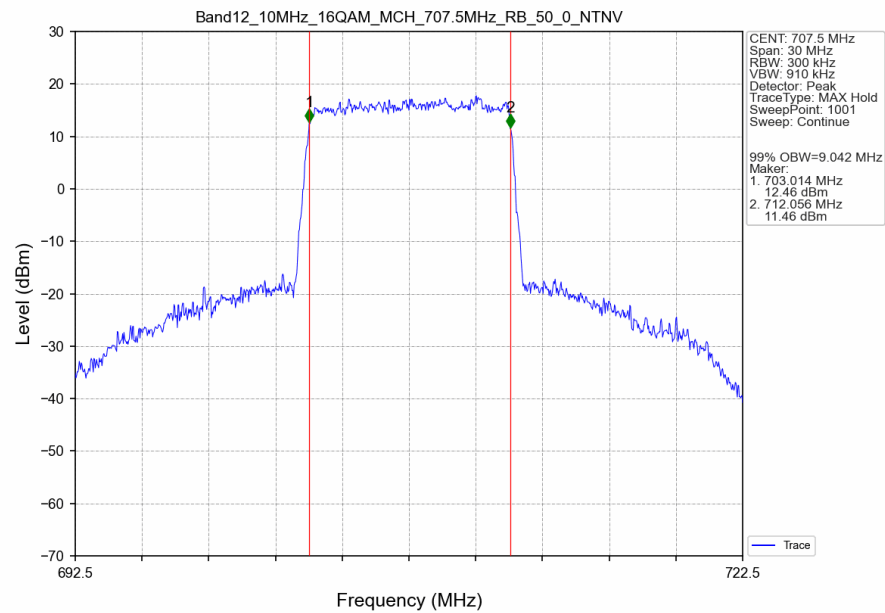
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



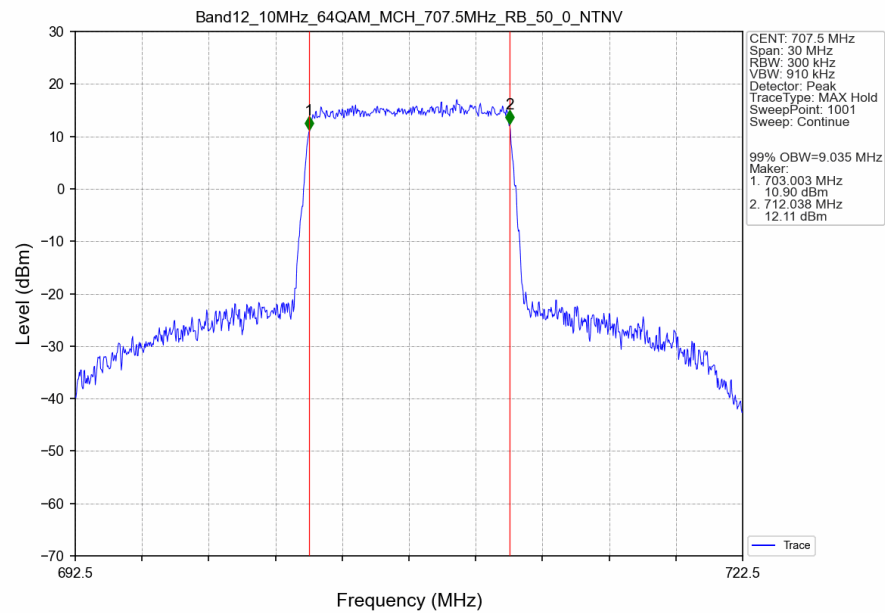
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



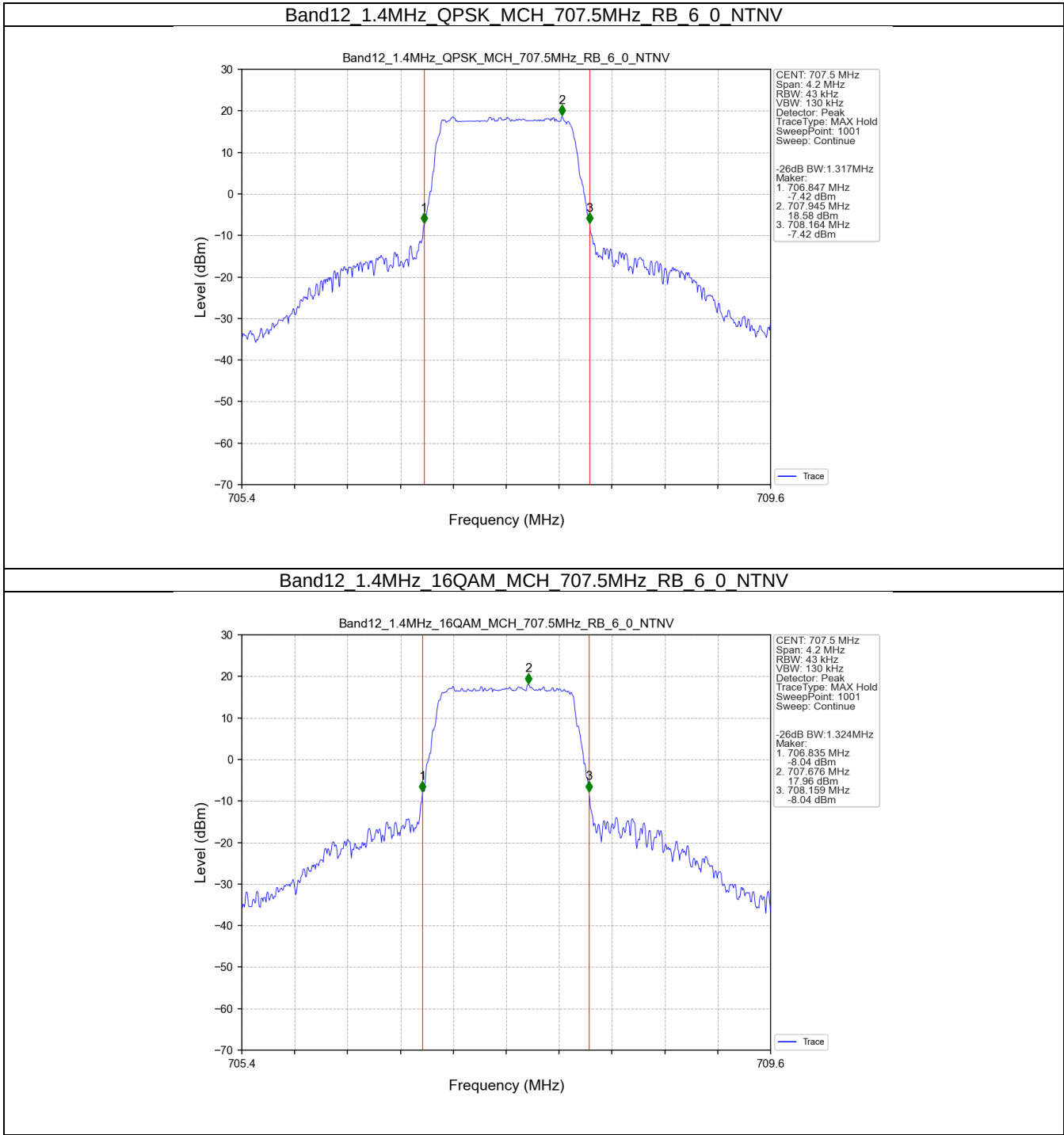
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



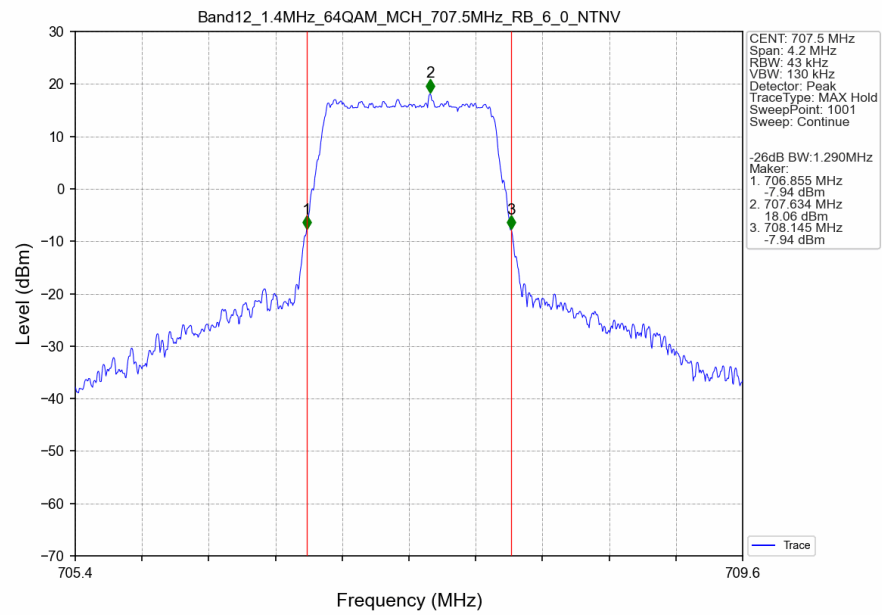
Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



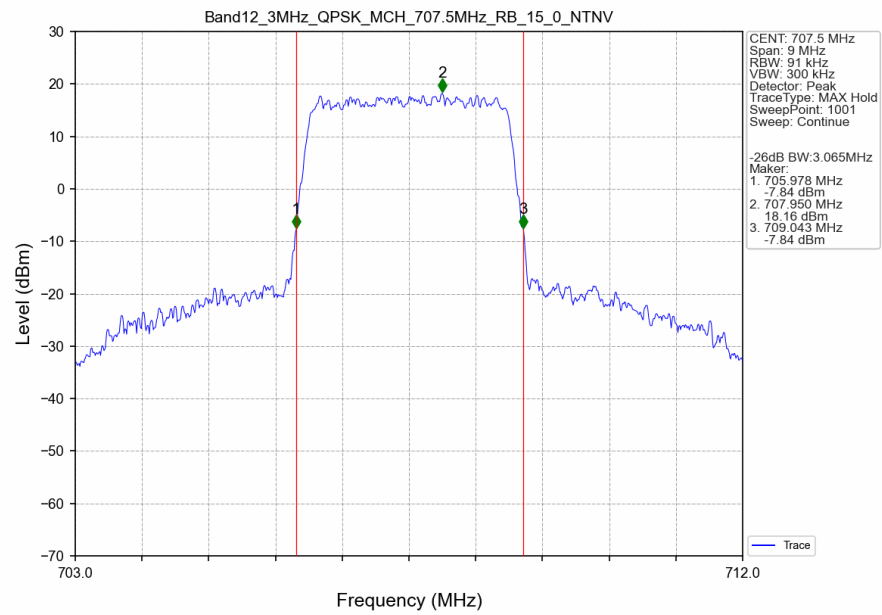
3.2.2 Band12_XDB



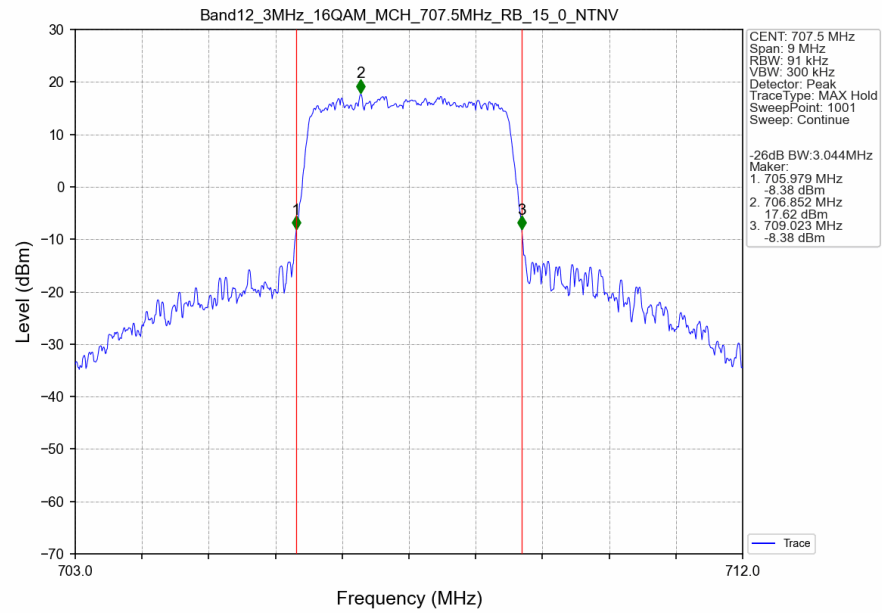
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



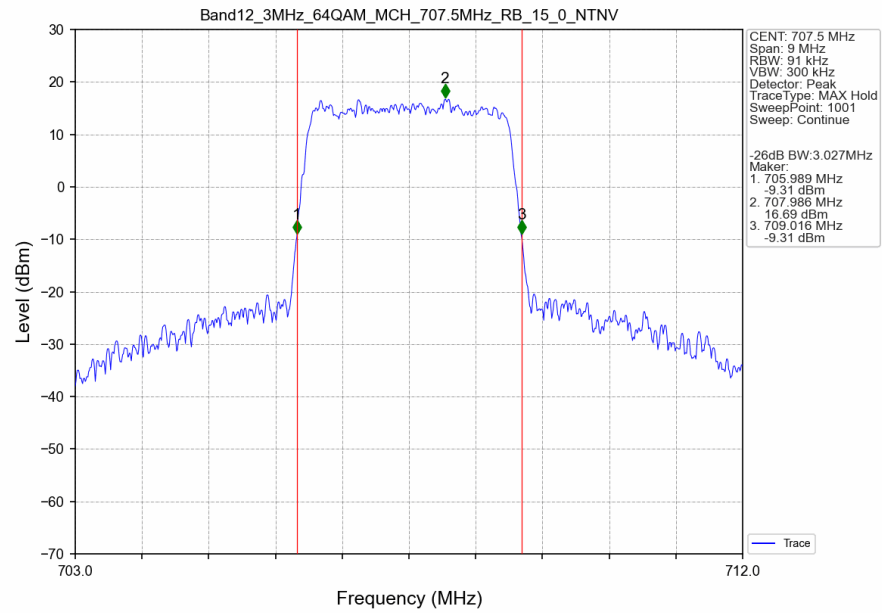
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



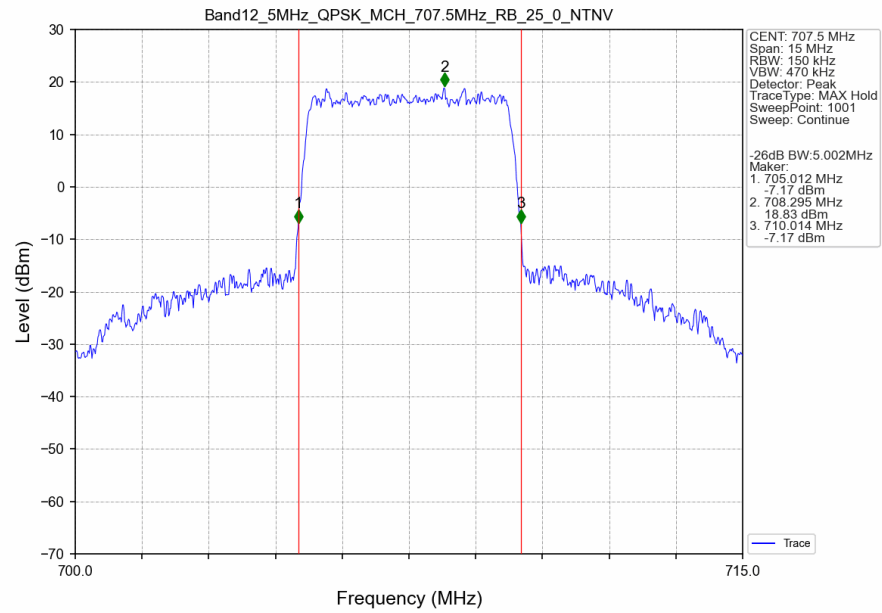
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



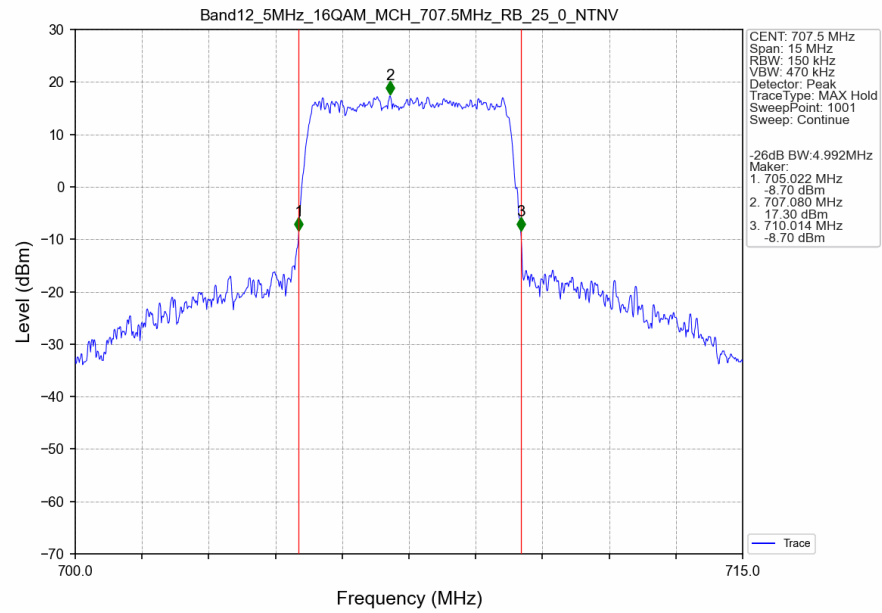
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



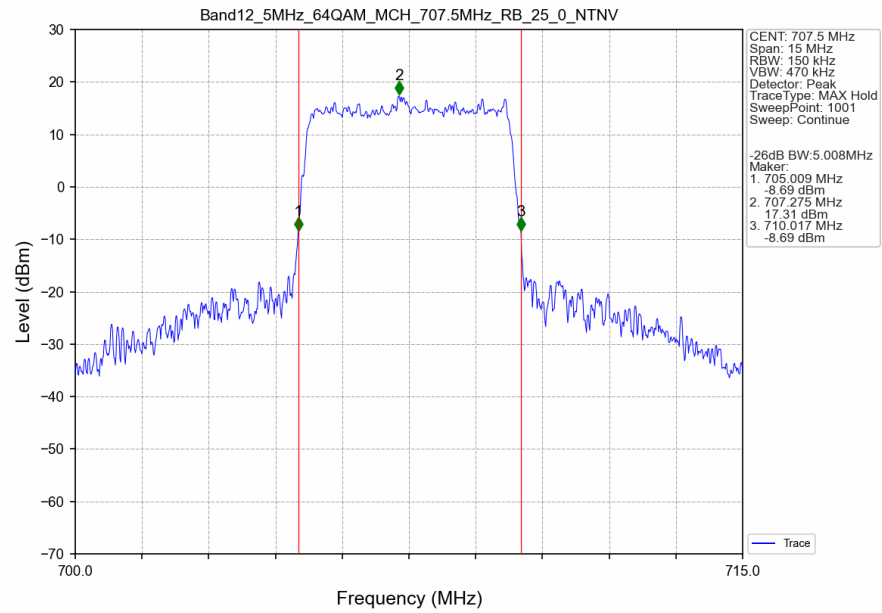
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



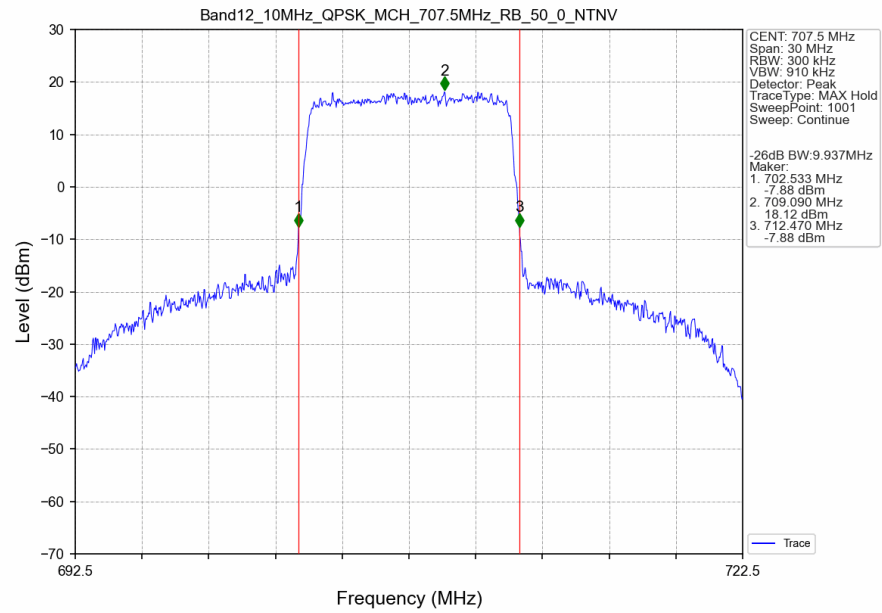
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



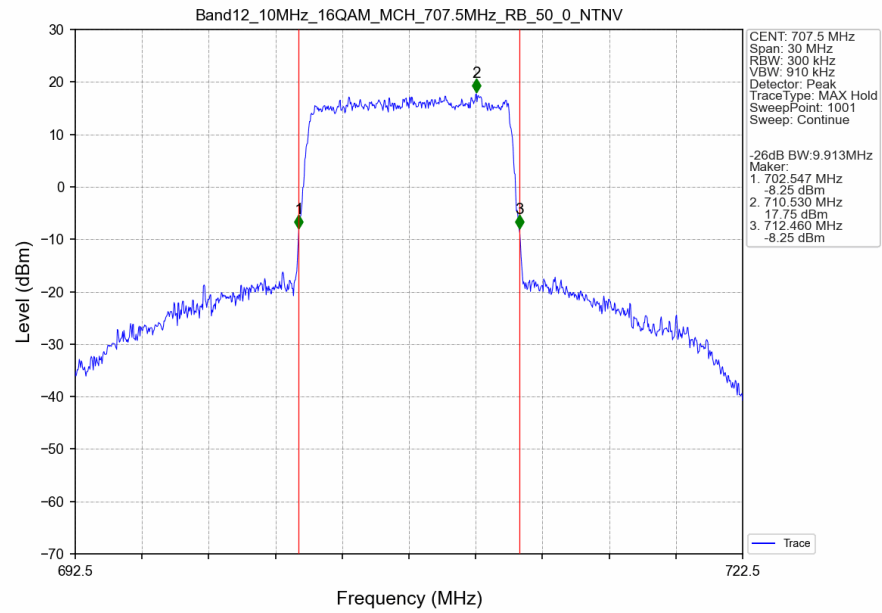
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



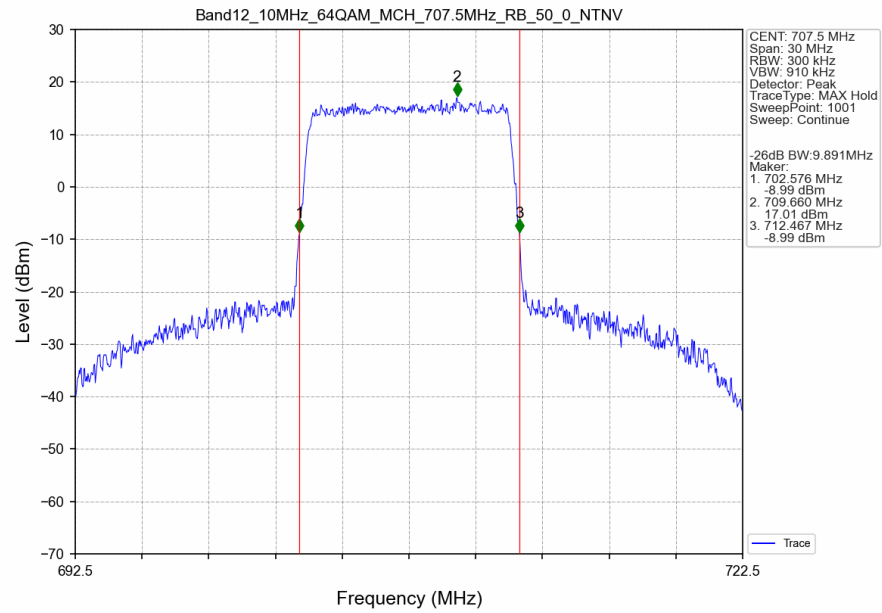
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

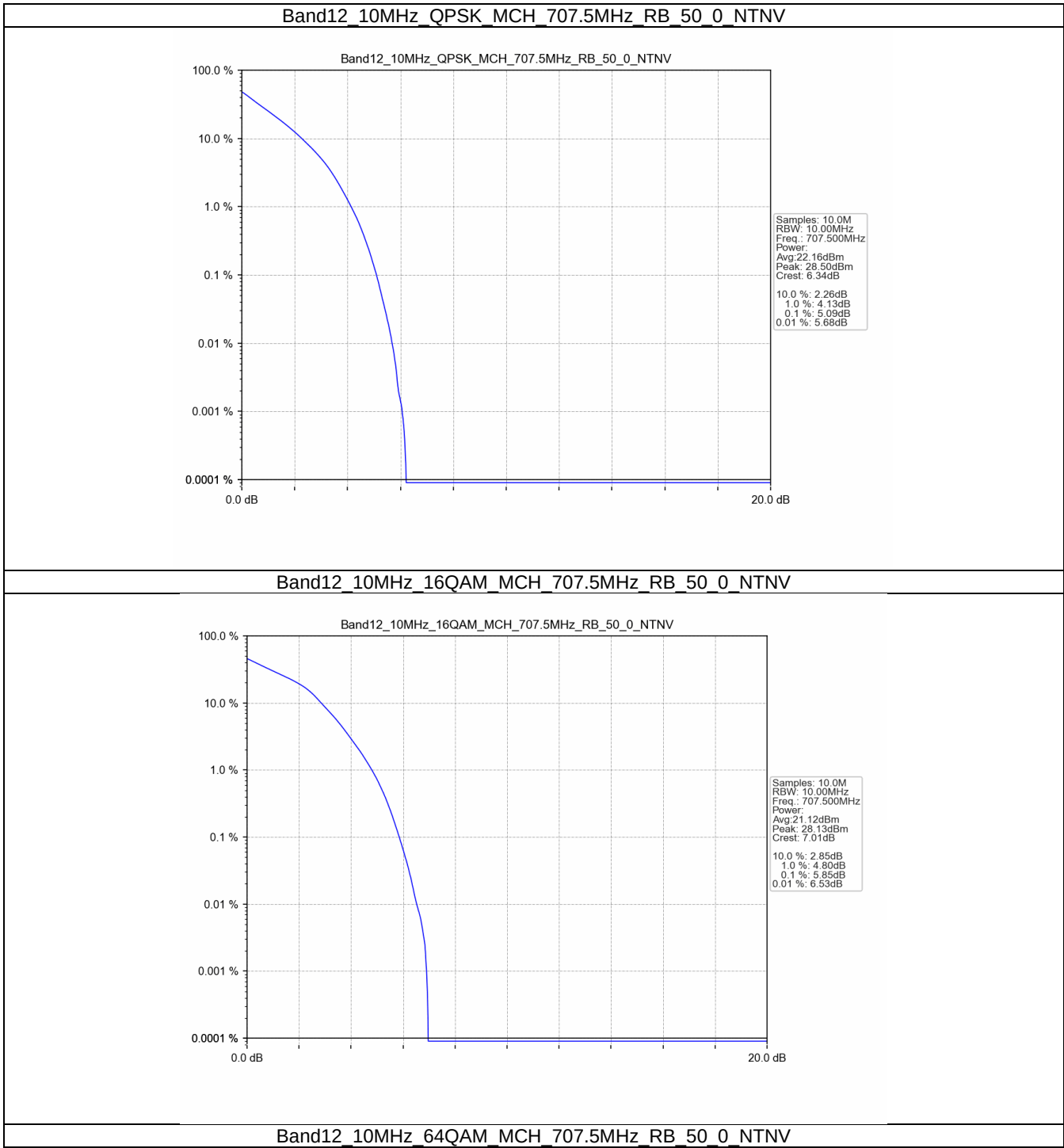
4.1 Test Result

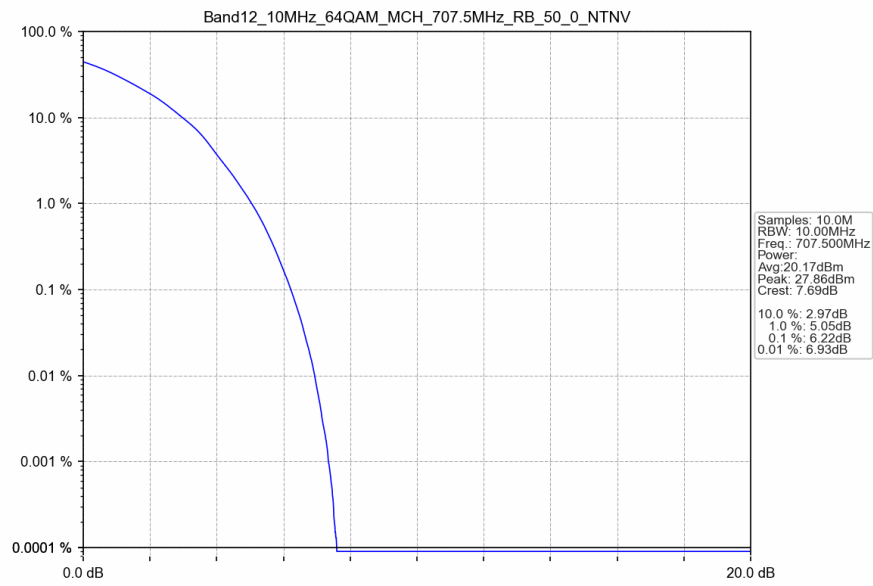
4.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	5.09	<=13	Pass
16QAM	707.5	50	0	5.85	<=13	Pass
64QAM	707.5	50	0	6.22	<=13	Pass

4.2 Test Graph

4.2.1 B12_10MHz





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 / NTV						
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

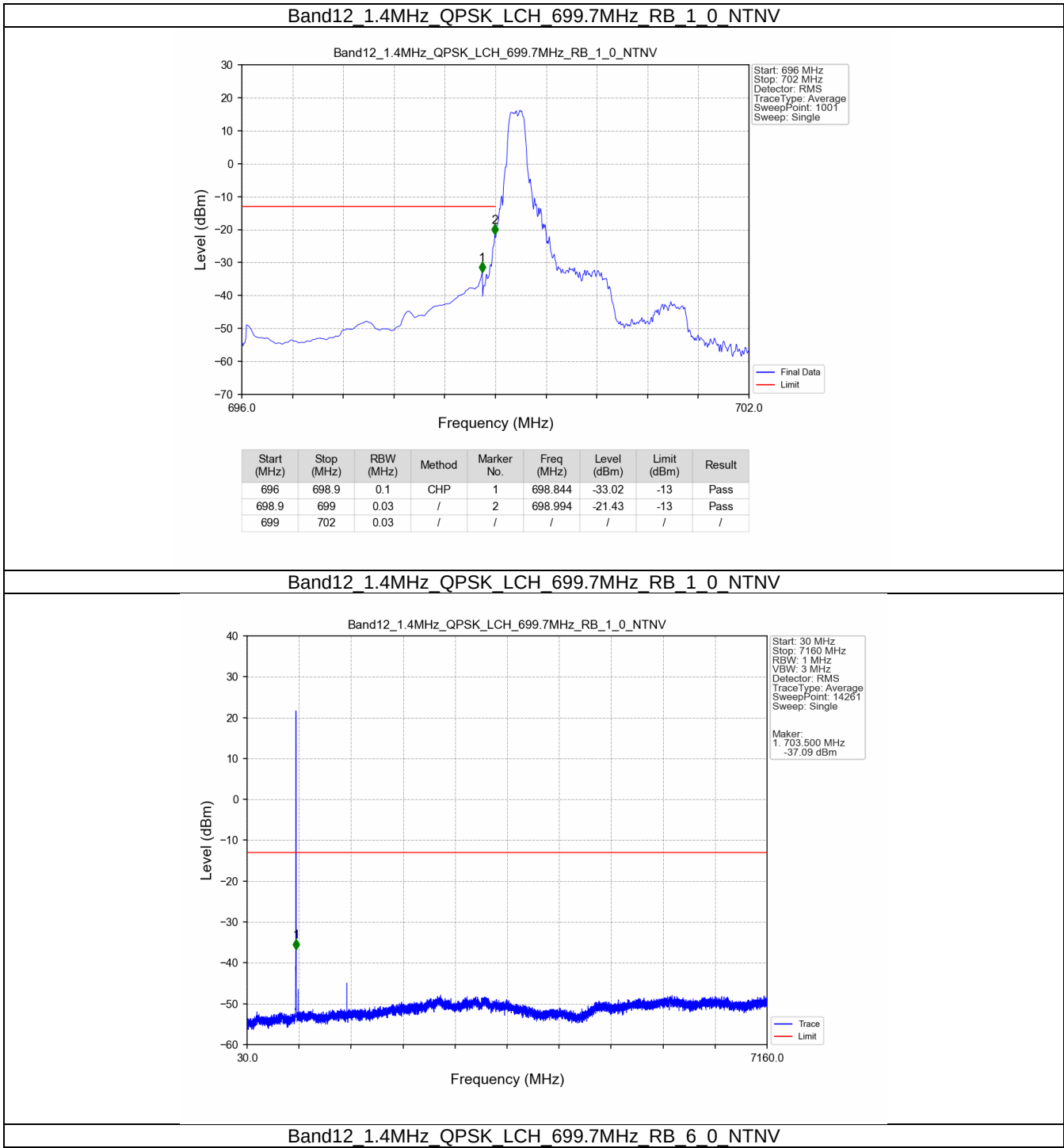
Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

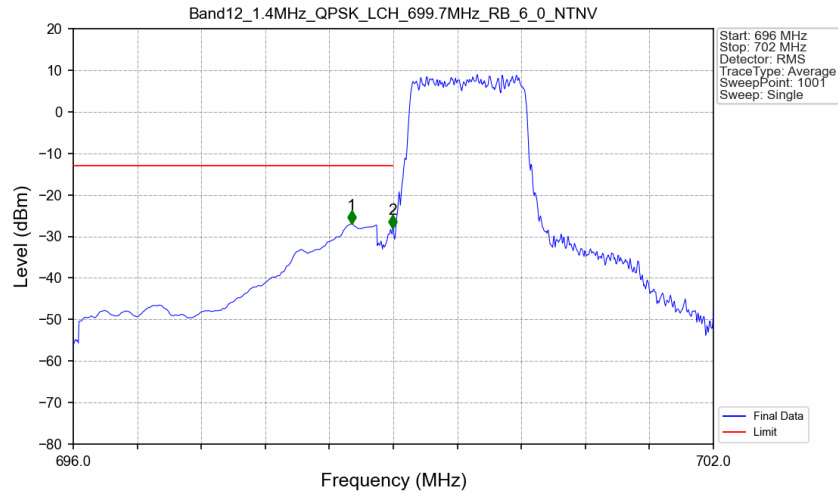
5.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTVN						
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

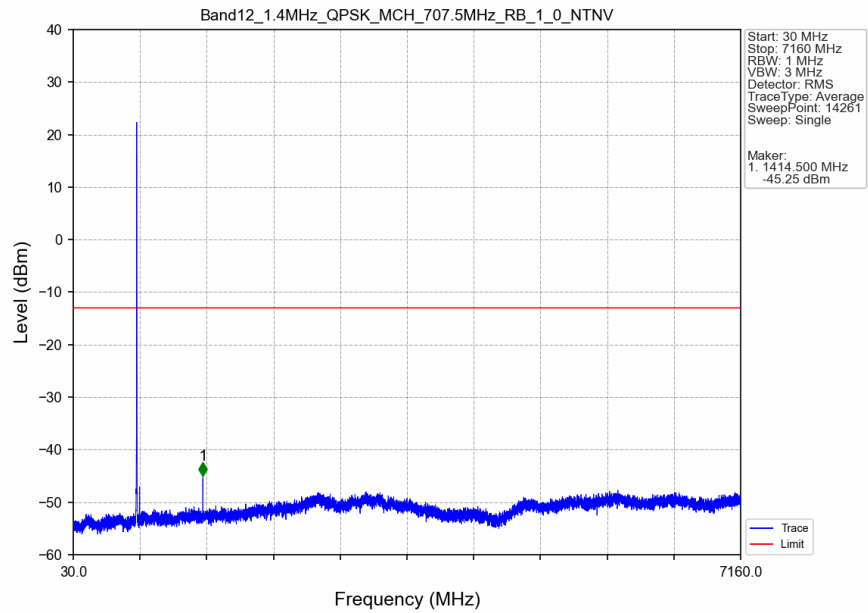
5.2 Test Graph

5.2.1 B12_1.4MHz

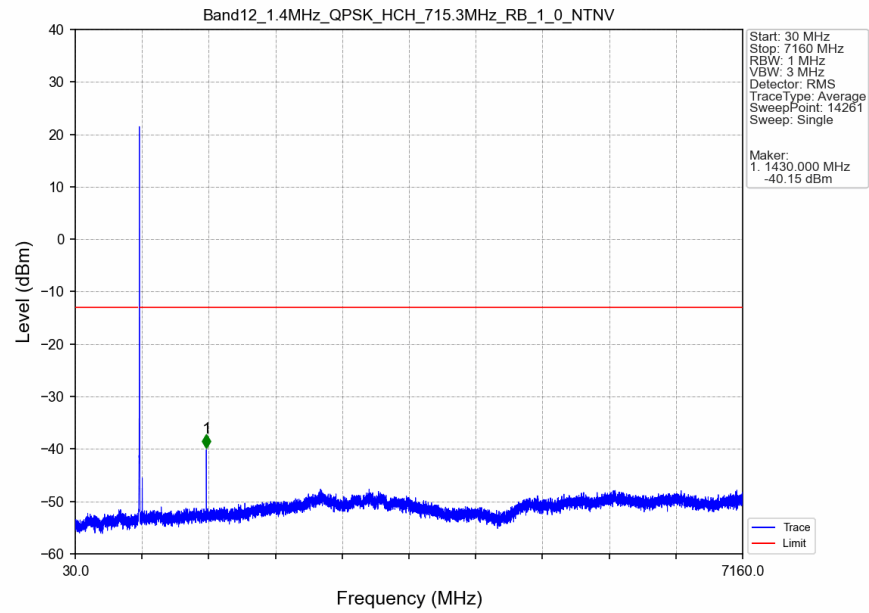




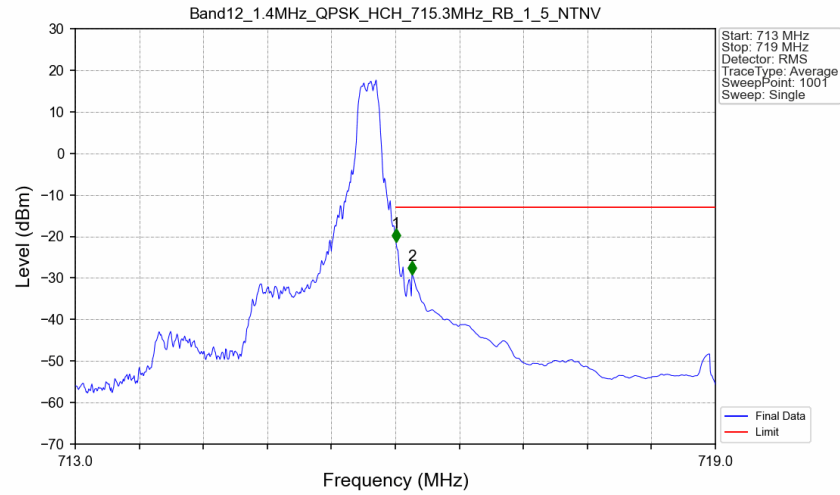
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

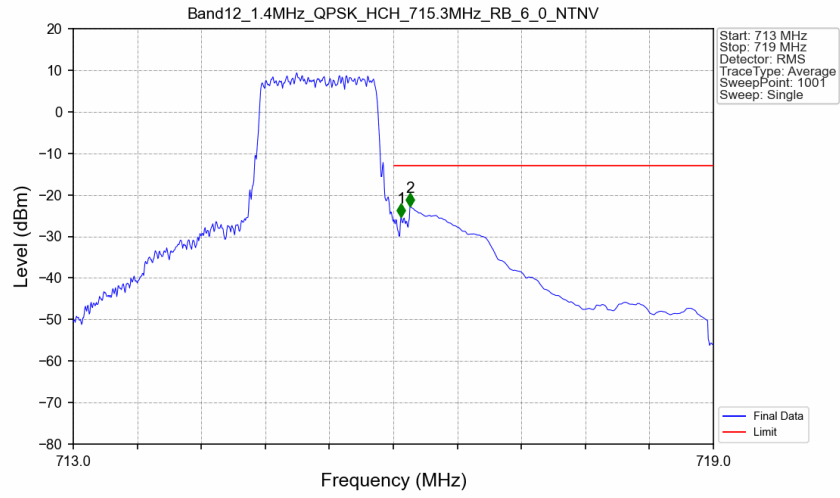


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



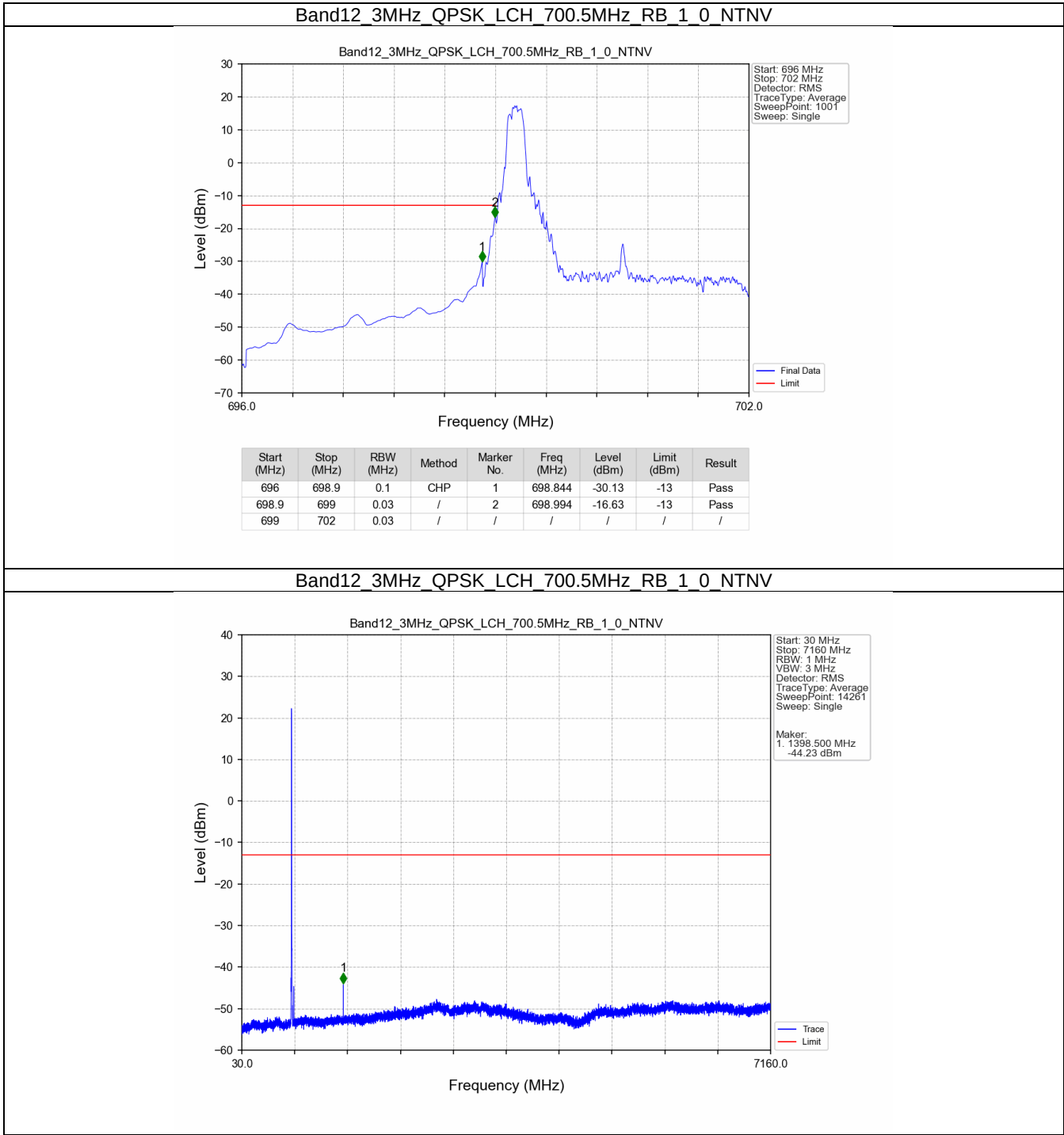
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-21.34	-13	Pass
716.1	719	0.1	CHP	2	716.156	-29.09	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV

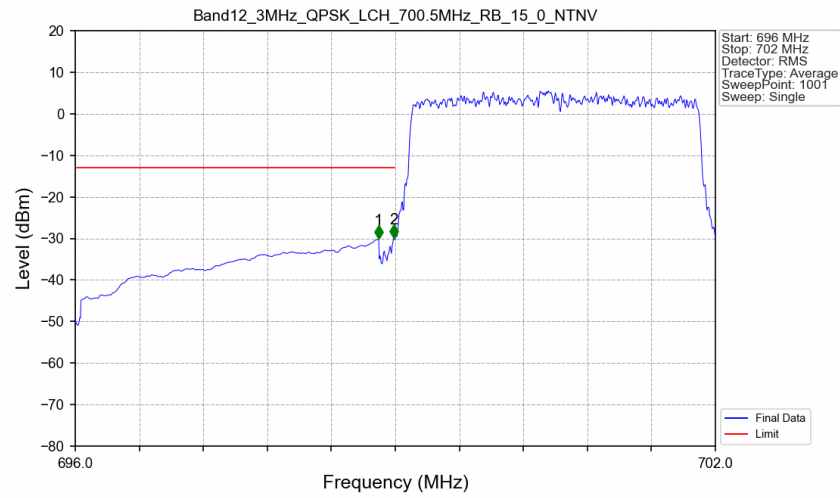


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.072	-25.22	-13	Pass
716.1	719	0.1	CHP	2	716.156	-22.81	-13	Pass

5.2.2 B12_3MHz

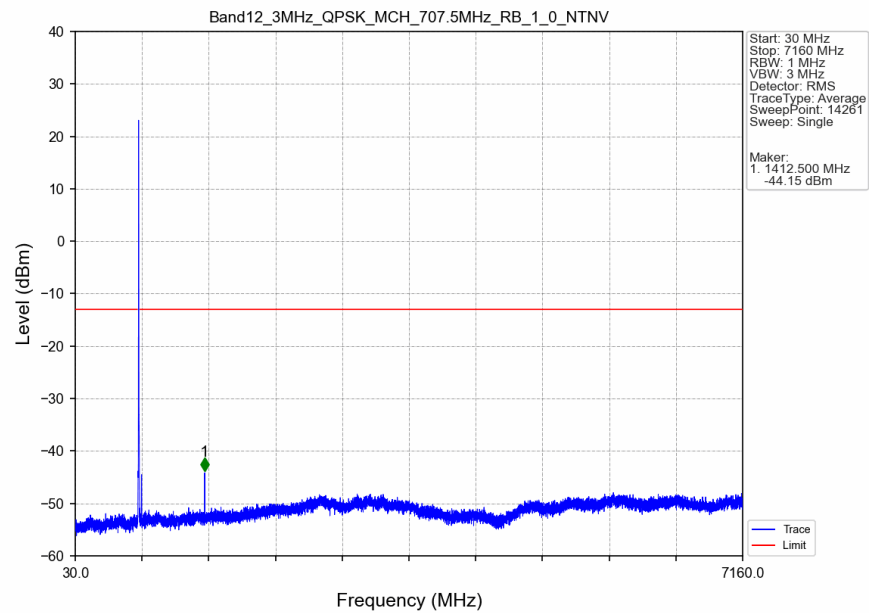


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

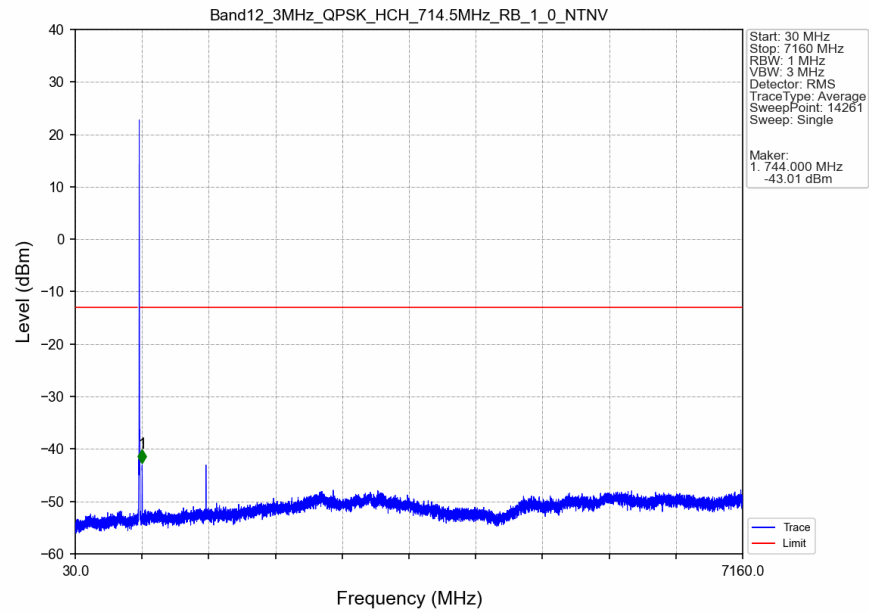


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-30.02	-13	Pass
698.9	699	0.03	/	2	698.988	-29.88	-13	Pass
699	702	0.03	/	/	/	/	/	/

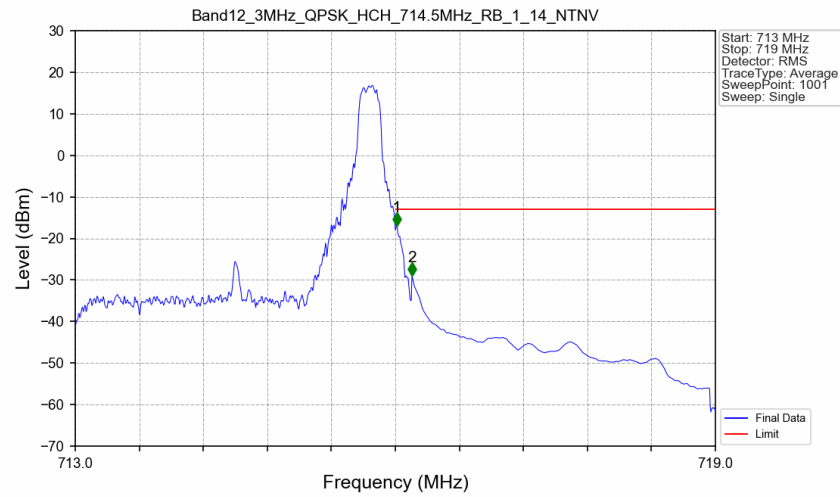
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

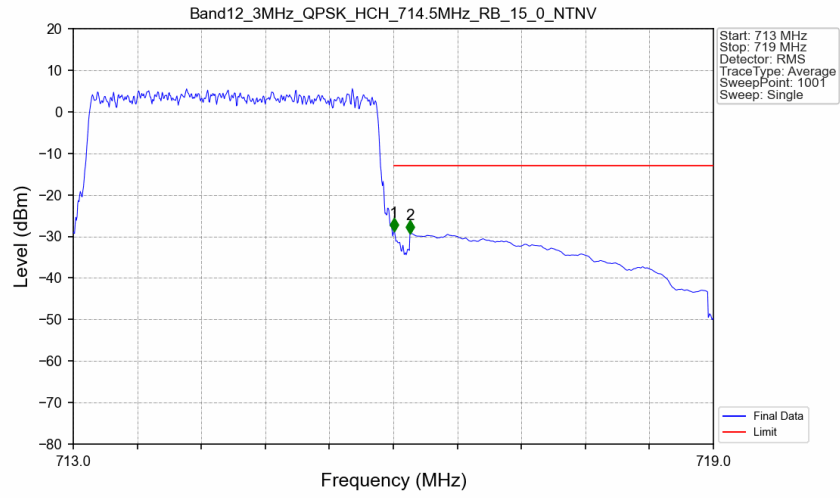


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



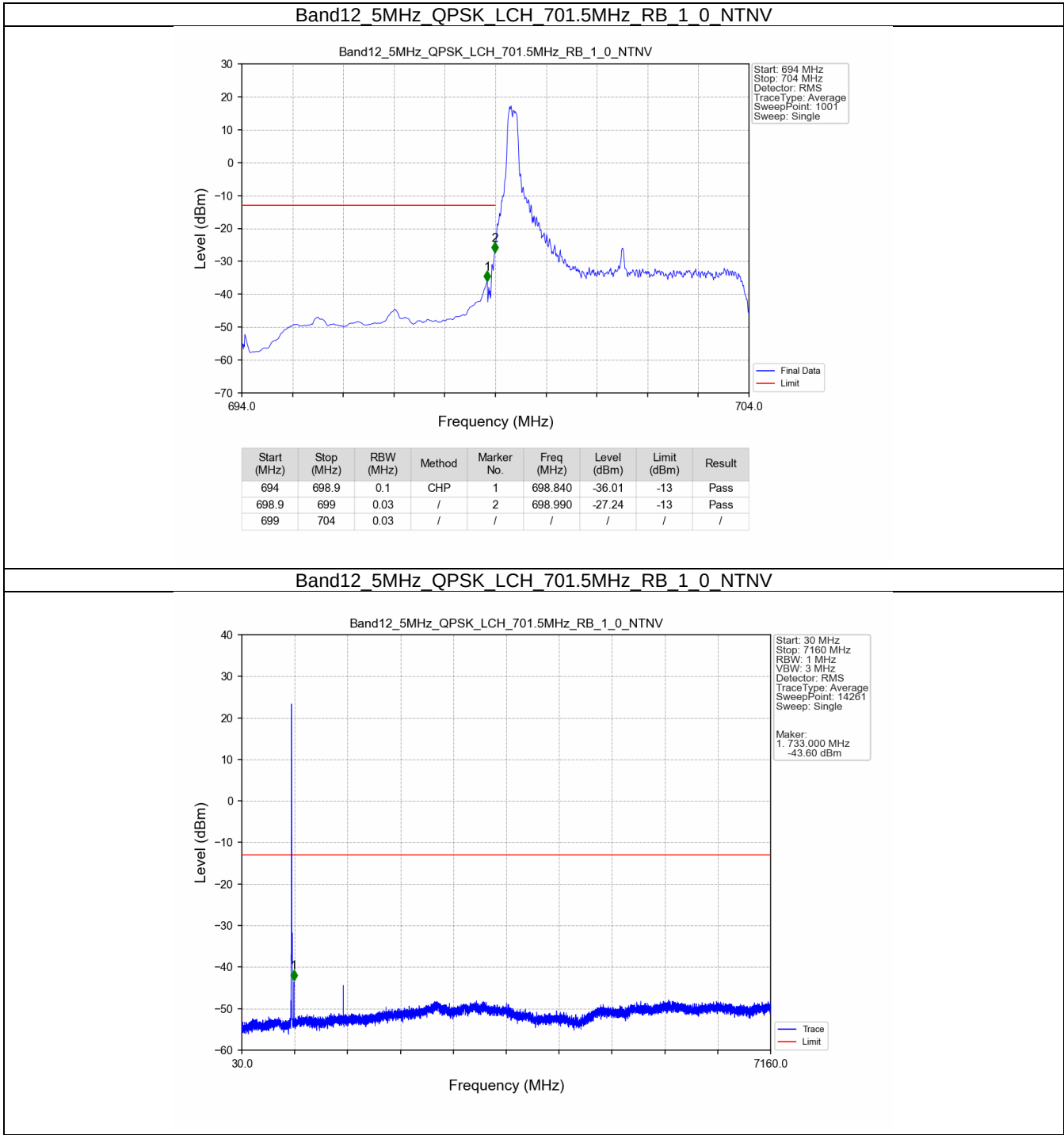
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.012	-16.92	-13	Pass
716.1	719	0.1	CHP	2	716.156	-28.98	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV

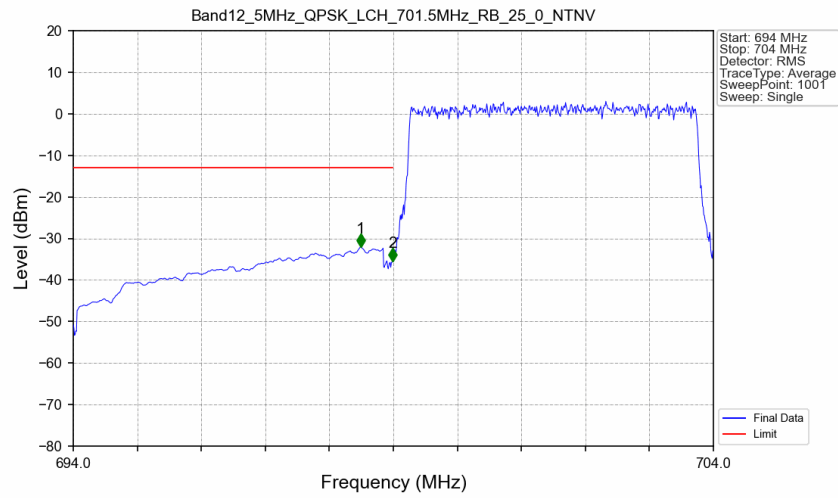


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-28.80	-13	Pass
716.1	719	0.1	CHP	2	716.156	-29.27	-13	Pass

5.2.3 B12_5MHz

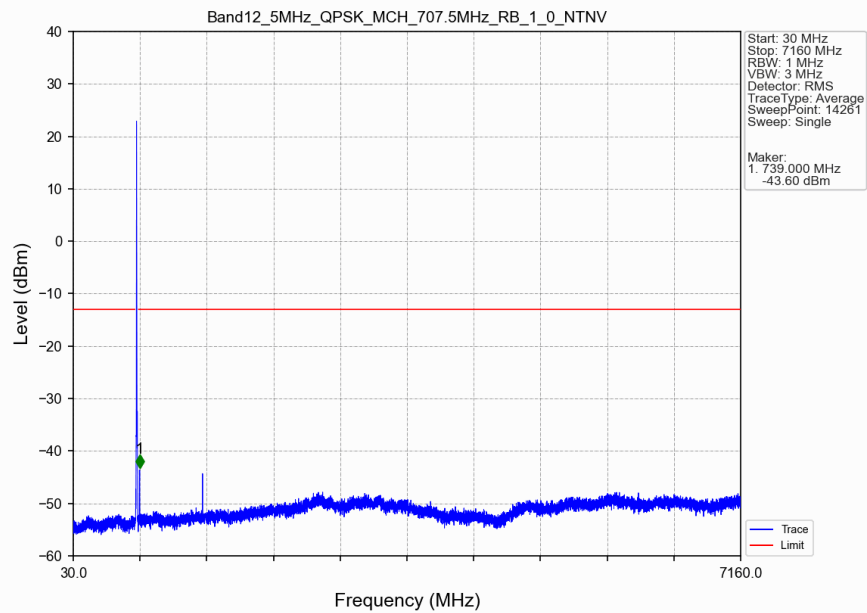


Band12 5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

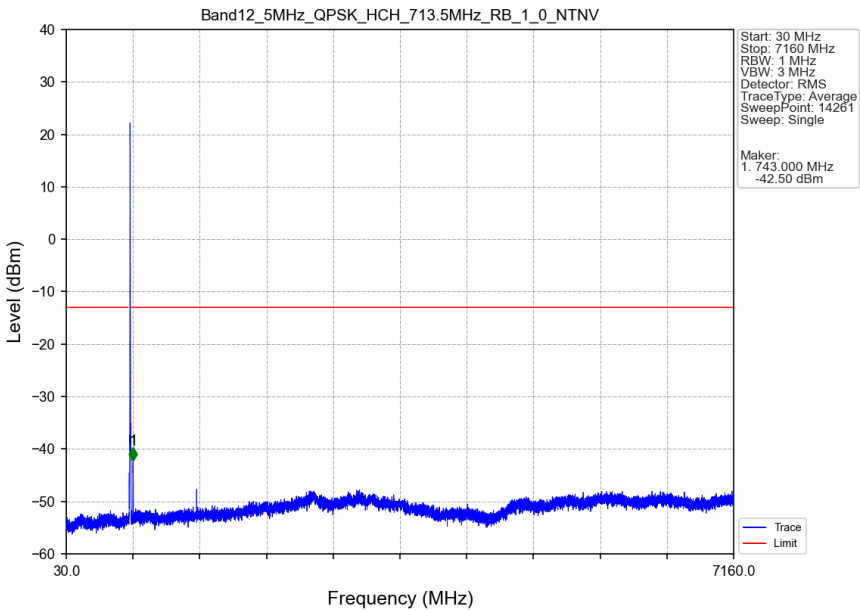


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.490	-32.06	-13	Pass
698.9	699	0.03	/	2	698.990	-35.52	-13	Pass
699	704	0.03	/	/	/	/	/	/

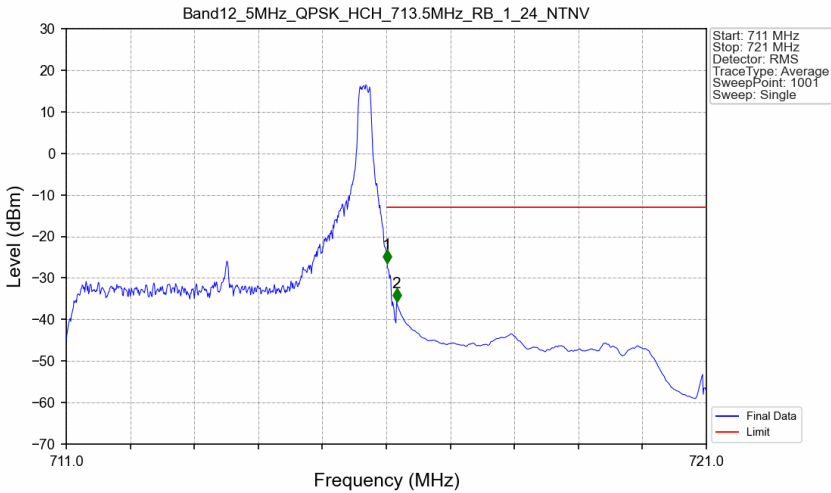
Band12 5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

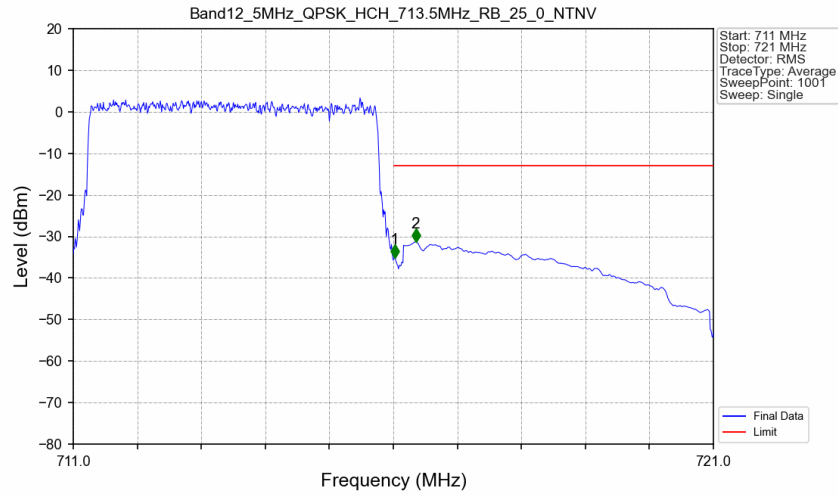


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



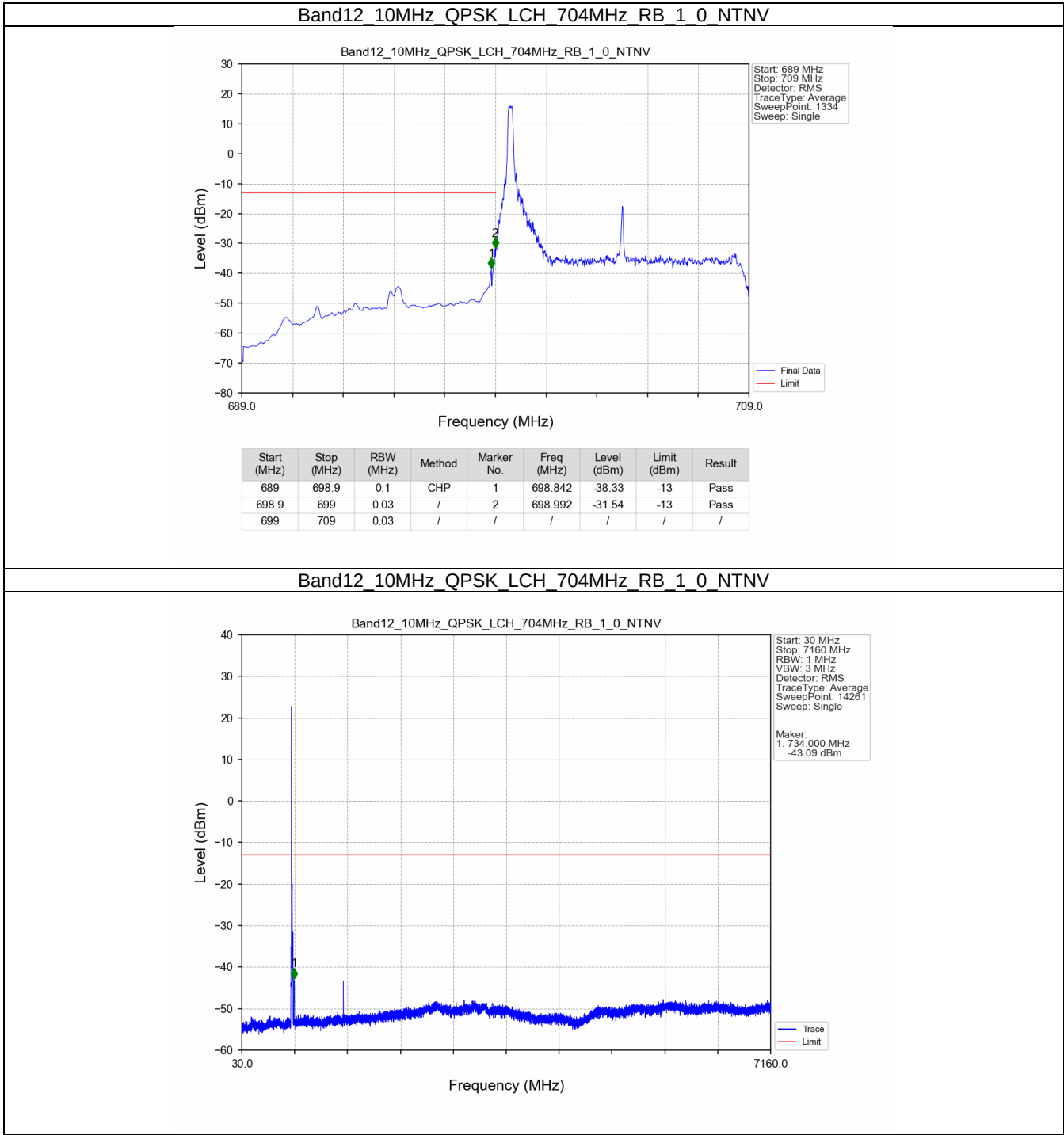
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-26.37	-13	Pass
716.1	721	0.1	CHP	2	716.160	-35.73	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

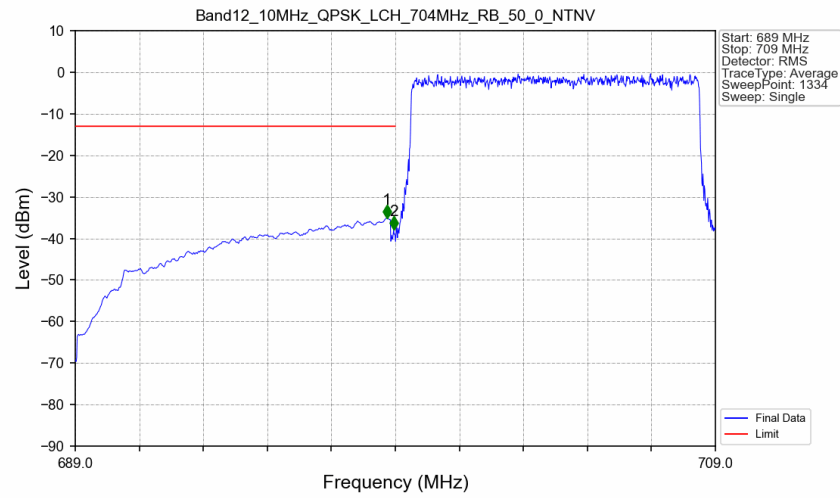


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-35.19	-13	Pass
716.1	721	0.1	CHP	2	716.350	-31.31	-13	Pass

5.2.4 B12_10MHz

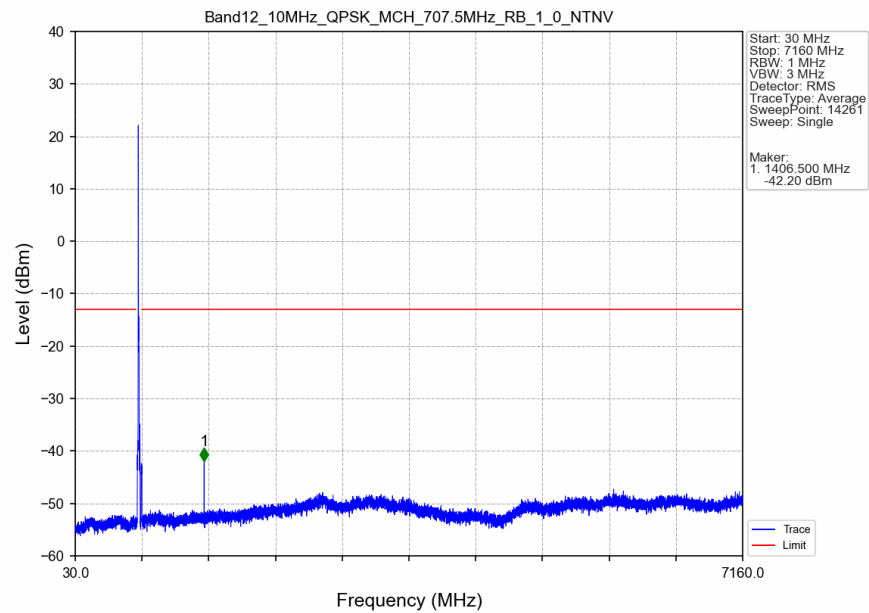


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

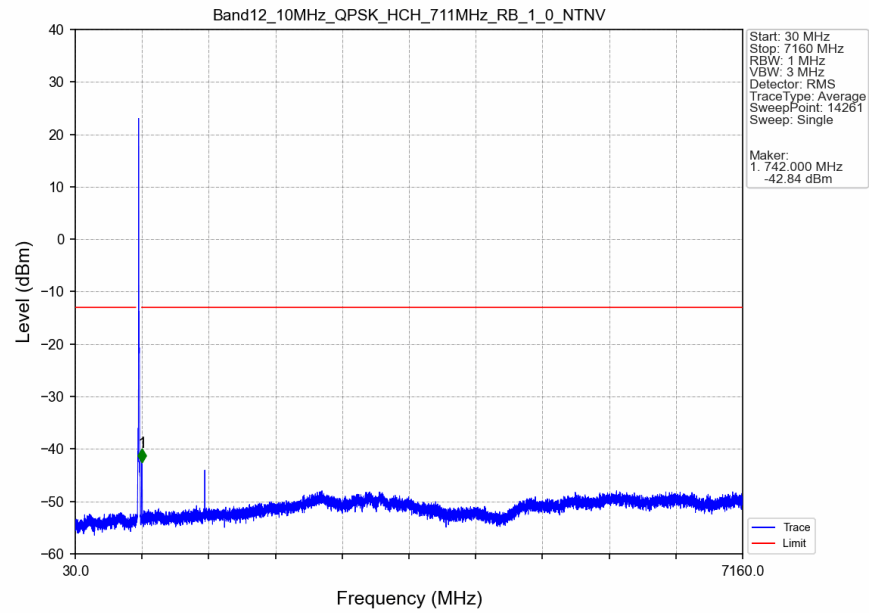


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.737	-35.06	-13	Pass
698.9	699	0.03	/	2	698.947	-37.92	-13	Pass
699	709	0.03	/	/	/	/	/	/

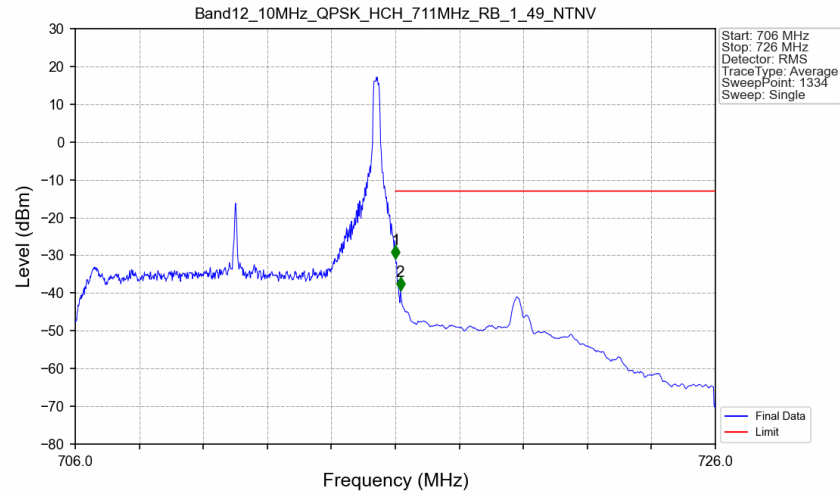
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

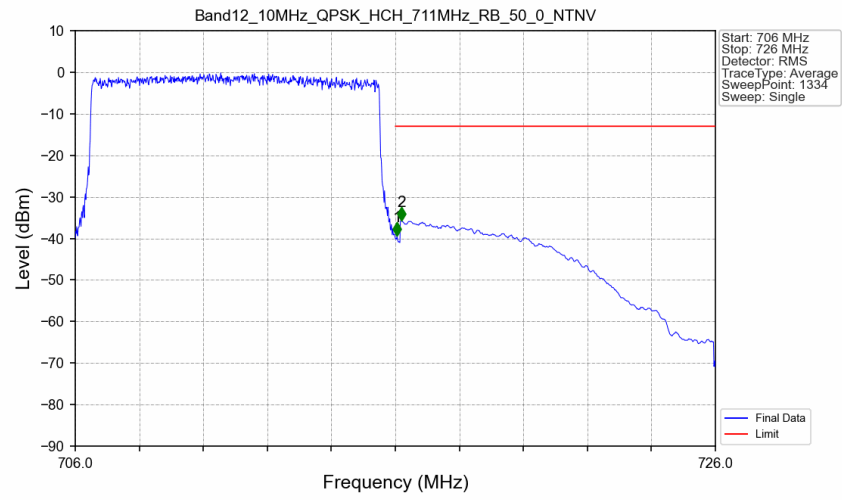


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-30.92	-13	Pass
716.1	726	0.1	CHP	2	716.158	-39.32	-13	Pass

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	/	/	/	/	/	/
716	716.1	0.03	/	1	716.053	-39.37	-13	Pass
716.1	726	0.1	CHP	2	716.188	-35.74	-13	Pass

- End of the Appendix -