

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	23.45	-1.37	19.93	<=34.77	Pass
			2	23.54	-1.37	20.02	<=34.77	Pass
			5	23.44	-1.37	19.92	<=34.77	Pass
		3	0	23.43	-1.37	19.91	<=34.77	Pass
			2	23.49	-1.37	19.97	<=34.77	Pass
			3	23.39	-1.37	19.87	<=34.77	Pass
		6	0	22.89	-1.37	19.37	<=34.77	Pass
	707.5	1	0	23.62	-1.37	20.10	<=34.77	Pass
			2	23.67	-1.37	20.15	<=34.77	Pass
			5	23.57	-1.37	20.05	<=34.77	Pass
		3	0	23.65	-1.37	20.13	<=34.77	Pass
			2	23.56	-1.37	20.04	<=34.77	Pass
			3	23.60	-1.37	20.08	<=34.77	Pass
		6	0	22.99	-1.37	19.47	<=34.77	Pass
	715.3	1	0	23.31	-1.37	19.79	<=34.77	Pass
			2	23.40	-1.37	19.88	<=34.77	Pass
			5	23.39	-1.37	19.87	<=34.77	Pass
		3	0	23.32	-1.37	19.80	<=34.77	Pass
			2	23.26	-1.37	19.74	<=34.77	Pass
			3	23.25	-1.37	19.73	<=34.77	Pass
		6	0	22.74	-1.37	19.22	<=34.77	Pass
16QAM	699.7	1	0	22.89	-1.37	19.37	<=34.77	Pass
			2	23.21	-1.37	19.69	<=34.77	Pass
			5	23.17	-1.37	19.65	<=34.77	Pass
		3	0	22.84	-1.37	19.32	<=34.77	Pass
			2	22.87	-1.37	19.35	<=34.77	Pass
			3	22.78	-1.37	19.26	<=34.77	Pass
		6	0	21.98	-1.37	18.46	<=34.77	Pass
	707.5	1	0	23.29	-1.37	19.77	<=34.77	Pass
			2	23.23	-1.37	19.71	<=34.77	Pass
			5	23.17	-1.37	19.65	<=34.77	Pass
		3	0	22.91	-1.37	19.39	<=34.77	Pass
			2	22.95	-1.37	19.43	<=34.77	Pass
			3	23.06	-1.37	19.54	<=34.77	Pass
		6	0	21.90	-1.37	18.38	<=34.77	Pass
	715.3	1	0	23.04	-1.37	19.52	<=34.77	Pass
			2	22.95	-1.37	19.43	<=34.77	Pass
			5	22.91	-1.37	19.39	<=34.77	Pass
		3	0	22.71	-1.37	19.19	<=34.77	Pass
			2	22.80	-1.37	19.28	<=34.77	Pass
			3	22.87	-1.37	19.35	<=34.77	Pass
		6	0	21.81	-1.37	18.29	<=34.77	Pass
64QAM	699.7	1	0	22.94	-1.37	19.42	<=34.77	Pass
			2	22.90	-1.37	19.38	<=34.77	Pass
			5	22.87	-1.37	19.35	<=34.77	Pass
		3	0	22.73	-1.37	19.21	<=34.77	Pass
			2	23.09	-1.37	19.57	<=34.77	Pass
			3	22.85	-1.37	19.33	<=34.77	Pass
		6	0	21.81	-1.37	18.29	<=34.77	Pass
	707.5	1	0	23.00	-1.37	19.48	<=34.77	Pass
			2	23.18	-1.37	19.66	<=34.77	Pass
			5	23.08	-1.37	19.56	<=34.77	Pass
	707.5	3	0	22.98	-1.37	19.46	<=34.77	Pass
			2	23.12	-1.37	19.60	<=34.77	Pass

			3	22.97	-1.37	19.45	<=34.77	Pass
		6	0	21.94	-1.37	18.42	<=34.77	Pass
	715.3	1	0	22.78	-1.37	19.26	<=34.77	Pass
			2	22.98	-1.37	19.46	<=34.77	Pass
			5	22.95	-1.37	19.43	<=34.77	Pass
		3	0	22.68	-1.37	19.16	<=34.77	Pass
			2	22.69	-1.37	19.17	<=34.77	Pass
			3	22.84	-1.37	19.32	<=34.77	Pass
		6	0	21.74	-1.37	18.22	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B12_3MHz_ERP

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	23.50	-1.37	19.98	<=34.77	Pass
			7	23.39	-1.37	19.87	<=34.77	Pass
			14	23.41	-1.37	19.89	<=34.77	Pass
		8	0	22.76	-1.37	19.24	<=34.77	Pass
			4	22.85	-1.37	19.33	<=34.77	Pass
			7	22.84	-1.37	19.32	<=34.77	Pass
		15	0	22.77	-1.37	19.25	<=34.77	Pass
	707.5	1	0	23.95	-1.37	20.43	<=34.77	Pass
			7	23.72	-1.37	20.20	<=34.77	Pass
			14	23.76	-1.37	20.24	<=34.77	Pass
		8	0	23.15	-1.37	19.63	<=34.77	Pass
			4	23.18	-1.37	19.66	<=34.77	Pass
			7	23.14	-1.37	19.62	<=34.77	Pass
		15	0	23.21	-1.37	19.69	<=34.77	Pass
	714.5	1	0	23.48	-1.37	19.96	<=34.77	Pass
			7	23.55	-1.37	20.03	<=34.77	Pass
			14	23.71	-1.37	20.19	<=34.77	Pass
		8	0	23.04	-1.37	19.52	<=34.77	Pass
			4	23.05	-1.37	19.53	<=34.77	Pass
			7	23.03	-1.37	19.51	<=34.77	Pass
		15	0	23.06	-1.37	19.54	<=34.77	Pass
16QAM	700.5	1	0	22.98	-1.37	19.46	<=34.77	Pass
			7	23.18	-1.37	19.66	<=34.77	Pass
			14	23.13	-1.37	19.61	<=34.77	Pass
		8	0	21.89	-1.37	18.37	<=34.77	Pass
			4	21.99	-1.37	18.47	<=34.77	Pass
			7	21.88	-1.37	18.36	<=34.77	Pass
		15	0	21.86	-1.37	18.34	<=34.77	Pass
	707.5	1	0	23.40	-1.37	19.88	<=34.77	Pass
			7	23.47	-1.37	19.95	<=34.77	Pass
			14	23.39	-1.37	19.87	<=34.77	Pass
		8	0	22.24	-1.37	18.72	<=34.77	Pass
			4	22.21	-1.37	18.69	<=34.77	Pass
			7	22.15	-1.37	18.63	<=34.77	Pass
		15	0	22.06	-1.37	18.54	<=34.77	Pass
	714.5	1	0	23.08	-1.37	19.56	<=34.77	Pass
			7	23.12	-1.37	19.60	<=34.77	Pass
			14	23.23	-1.37	19.71	<=34.77	Pass
		8	0	22.12	-1.37	18.60	<=34.77	Pass
			4	22.01	-1.37	18.49	<=34.77	Pass
			7	22.07	-1.37	18.55	<=34.77	Pass
		15	0	22.05	-1.37	18.53	<=34.77	Pass
64QAM	700.5	1	0	22.81	-1.37	19.29	<=34.77	Pass
			7	23.05	-1.37	19.53	<=34.77	Pass
			14	22.86	-1.37	19.34	<=34.77	Pass
		8	0	21.62	-1.37	18.10	<=34.77	Pass

		15	4	21.93	-1.37	18.41	<=34.77	Pass
			7	21.71	-1.37	18.19	<=34.77	Pass
			0	21.82	-1.37	18.30	<=34.77	Pass
	707.5	1	0	23.45	-1.37	19.93	<=34.77	Pass
			7	23.40	-1.37	19.88	<=34.77	Pass
			14	23.09	-1.37	19.57	<=34.77	Pass
		8	0	22.12	-1.37	18.60	<=34.77	Pass
			4	22.16	-1.37	18.64	<=34.77	Pass
			7	22.08	-1.37	18.56	<=34.77	Pass
		15	0	22.18	-1.37	18.66	<=34.77	Pass
	714.5	1	0	23.05	-1.37	19.53	<=34.77	Pass
			7	23.09	-1.37	19.57	<=34.77	Pass
			14	23.23	-1.37	19.71	<=34.77	Pass
		8	0	21.94	-1.37	18.42	<=34.77	Pass
			4	22.00	-1.37	18.48	<=34.77	Pass
			7	22.10	-1.37	18.58	<=34.77	Pass
		15	0	21.94	-1.37	18.42	<=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	23.78	-1.37	20.26	<=34.77	Pass
			13	23.39	-1.37	19.87	<=34.77	Pass
			24	23.69	-1.37	20.17	<=34.77	Pass
		12	0	23.02	-1.37	19.50	<=34.77	Pass
			6	23.14	-1.37	19.62	<=34.77	Pass
			13	23.14	-1.37	19.62	<=34.77	Pass
		25	0	23.04	-1.37	19.52	<=34.77	Pass
	707.5	1	0	23.85	-1.37	20.33	<=34.77	Pass
			13	23.62	-1.37	20.10	<=34.77	Pass
			24	23.53	-1.37	20.01	<=34.77	Pass
		12	0	23.26	-1.37	19.74	<=34.77	Pass
			6	23.12	-1.37	19.60	<=34.77	Pass
			13	23.11	-1.37	19.59	<=34.77	Pass
		25	0	23.15	-1.37	19.63	<=34.77	Pass
	713.5	1	0	23.21	-1.37	19.69	<=34.77	Pass
			13	23.82	-1.37	20.30	<=34.77	Pass
			24	23.51	-1.37	19.99	<=34.77	Pass
		12	0	22.95	-1.37	19.43	<=34.77	Pass
			6	22.89	-1.37	19.37	<=34.77	Pass
			13	22.90	-1.37	19.38	<=34.77	Pass
		25	0	23.01	-1.37	19.49	<=34.77	Pass
16QAM	701.5	1	0	23.37	-1.37	19.85	<=34.77	Pass
			13	23.25	-1.37	19.73	<=34.77	Pass
			24	23.31	-1.37	19.79	<=34.77	Pass
		12	0	22.03	-1.37	18.51	<=34.77	Pass
			6	22.12	-1.37	18.60	<=34.77	Pass
			13	22.16	-1.37	18.64	<=34.77	Pass
		25	0	22.10	-1.37	18.58	<=34.77	Pass
	707.5	1	0	23.38	-1.37	19.86	<=34.77	Pass
			13	23.20	-1.37	19.68	<=34.77	Pass
			24	23.27	-1.37	19.75	<=34.77	Pass
		12	0	22.15	-1.37	18.63	<=34.77	Pass
			6	22.14	-1.37	18.62	<=34.77	Pass
			13	22.05	-1.37	18.53	<=34.77	Pass
		25	0	22.13	-1.37	18.61	<=34.77	Pass
	713.5	1	0	23.32	-1.37	19.80	<=34.77	Pass
			13	23.20	-1.37	19.68	<=34.77	Pass
			24	23.16	-1.37	19.64	<=34.77	Pass

		12	0	21.97	-1.37	18.45	<=34.77	Pass		
			6	21.84	-1.37	18.32	<=34.77	Pass		
			13	21.94	-1.37	18.42	<=34.77	Pass		
		25	0	21.98	-1.37	18.46	<=34.77	Pass		
64QAM	701.5	1	0	23.16	-1.37	19.64	<=34.77	Pass		
			13	23.45	-1.37	19.93	<=34.77	Pass		
			24	23.04	-1.37	19.52	<=34.77	Pass		
		12	0	22.04	-1.37	18.52	<=34.77	Pass		
			6	22.13	-1.37	18.61	<=34.77	Pass		
			13	22.19	-1.37	18.67	<=34.77	Pass		
		25	0	22.01	-1.37	18.49	<=34.77	Pass		
		707.5	1	0	23.34	-1.37	19.82	<=34.77	Pass	
				13	23.17	-1.37	19.65	<=34.77	Pass	
	24			23.20	-1.37	19.68	<=34.77	Pass		
	12		0	22.23	-1.37	18.71	<=34.77	Pass		
			6	22.17	-1.37	18.65	<=34.77	Pass		
			13	22.14	-1.37	18.62	<=34.77	Pass		
	25		0	22.19	-1.37	18.67	<=34.77	Pass		
	713.5		1	0	23.01	-1.37	19.49	<=34.77	Pass	
				13	23.43	-1.37	19.91	<=34.77	Pass	
		24		23.15	-1.37	19.63	<=34.77	Pass		
		12	0	21.90	-1.37	18.38	<=34.77	Pass		
			6	21.80	-1.37	18.28	<=34.77	Pass		
			13	21.89	-1.37	18.37	<=34.77	Pass		
		25	0	22.04	-1.37	18.52	<=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	24.02	-1.37	20.50	<=34.77	Pass
			25	23.80	-1.37	20.28	<=34.77	Pass
			49	23.55	-1.37	20.03	<=34.77	Pass
		25	0	23.21	-1.37	19.69	<=34.77	Pass
			13	23.24	-1.37	19.72	<=34.77	Pass
			25	23.10	-1.37	19.58	<=34.77	Pass
		50	0	23.20	-1.37	19.68	<=34.77	Pass
			0	24.14	-1.37	20.62	<=34.77	Pass
			25	23.31	-1.37	19.79	<=34.77	Pass
	707.5	1	49	23.85	-1.37	20.33	<=34.77	Pass
			0	23.37	-1.37	19.85	<=34.77	Pass
			13	23.22	-1.37	19.70	<=34.77	Pass
		25	25	23.05	-1.37	19.53	<=34.77	Pass
			0	23.17	-1.37	19.65	<=34.77	Pass
			0	23.06	-1.37	19.54	<=34.77	Pass
		50	25	24.12	-1.37	20.60	<=34.77	Pass
			49	23.72	-1.37	20.20	<=34.77	Pass
			0	23.05	-1.37	19.53	<=34.77	Pass
	711	25	13	22.91	-1.37	19.39	<=34.77	Pass
			25	22.90	-1.37	19.38	<=34.77	Pass
			0	23.09	-1.37	19.57	<=34.77	Pass
		50	0	23.61	-1.37	20.09	<=34.77	Pass
			25	23.34	-1.37	19.82	<=34.77	Pass
			49	23.20	-1.37	19.68	<=34.77	Pass
		1	0	22.14	-1.37	18.62	<=34.77	Pass
			13	22.10	-1.37	18.58	<=34.77	Pass
			25	22.05	-1.37	18.53	<=34.77	Pass
16QAM	704	50	0	22.03	-1.37	18.51	<=34.77	Pass
			0	23.84	-1.37	20.32	<=34.77	Pass
			25	23.37	-1.37	19.85	<=34.77	Pass

		25	49	23.50	-1.37	19.98	<=34.77	Pass	
			0	22.22	-1.37	18.70	<=34.77	Pass	
			13	22.08	-1.37	18.56	<=34.77	Pass	
			25	22.05	-1.37	18.53	<=34.77	Pass	
		50	0	22.29	-1.37	18.77	<=34.77	Pass	
	711	1	0	23.14	-1.37	19.62	<=34.77	Pass	
			25	23.64	-1.37	20.12	<=34.77	Pass	
			49	23.56	-1.37	20.04	<=34.77	Pass	
		25	0	22.04	-1.37	18.52	<=34.77	Pass	
			13	21.88	-1.37	18.36	<=34.77	Pass	
			25	21.92	-1.37	18.40	<=34.77	Pass	
		50	0	21.91	-1.37	18.39	<=34.77	Pass	
	64QAM	704	1	0	23.46	-1.37	19.94	<=34.77	Pass
				25	23.26	-1.37	19.74	<=34.77	Pass
49				22.68	-1.37	19.16	<=34.77	Pass	
25			0	22.14	-1.37	18.62	<=34.77	Pass	
			13	22.13	-1.37	18.61	<=34.77	Pass	
			25	22.10	-1.37	18.58	<=34.77	Pass	
50			0	22.10	-1.37	18.58	<=34.77	Pass	
707.5		1	0	23.37	-1.37	19.85	<=34.77	Pass	
			25	23.36	-1.37	19.84	<=34.77	Pass	
			49	23.15	-1.37	19.63	<=34.77	Pass	
		25	0	22.20	-1.37	18.68	<=34.77	Pass	
			13	22.14	-1.37	18.62	<=34.77	Pass	
			25	22.02	-1.37	18.50	<=34.77	Pass	
		50	0	22.23	-1.37	18.71	<=34.77	Pass	
711		1	0	23.01	-1.37	19.49	<=34.77	Pass	
			25	23.51	-1.37	19.99	<=34.77	Pass	
			49	23.31	-1.37	19.79	<=34.77	Pass	
		25	0	22.08	-1.37	18.56	<=34.77	Pass	
			13	21.92	-1.37	18.40	<=34.77	Pass	
			25	21.88	-1.37	18.36	<=34.77	Pass	
		50	0	21.98	-1.37	18.46	<=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	707.5	50	0	20	3.4	-0.200	-0.0003	-2.5 to 2.5	Pass
					3.8	1.000	0.0014	-2.5 to 2.5	Pass
					4.2	0.500	0.0007	-2.5 to 2.5	Pass
				-30	3.8	1.100	0.0016	-2.5 to 2.5	Pass
				-20	3.8	-0.400	-0.0006	-2.5 to 2.5	Pass
				-10	3.8	0.500	0.0007	-2.5 to 2.5	Pass
				0	3.8	2.600	0.0037	-2.5 to 2.5	Pass
				10	3.8	2.400	0.0034	-2.5 to 2.5	Pass
				30	3.8	1.200	0.0017	-2.5 to 2.5	Pass
				40	3.8	2.500	0.0035	-2.5 to 2.5	Pass
				50	3.8	0.500	0.0007	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

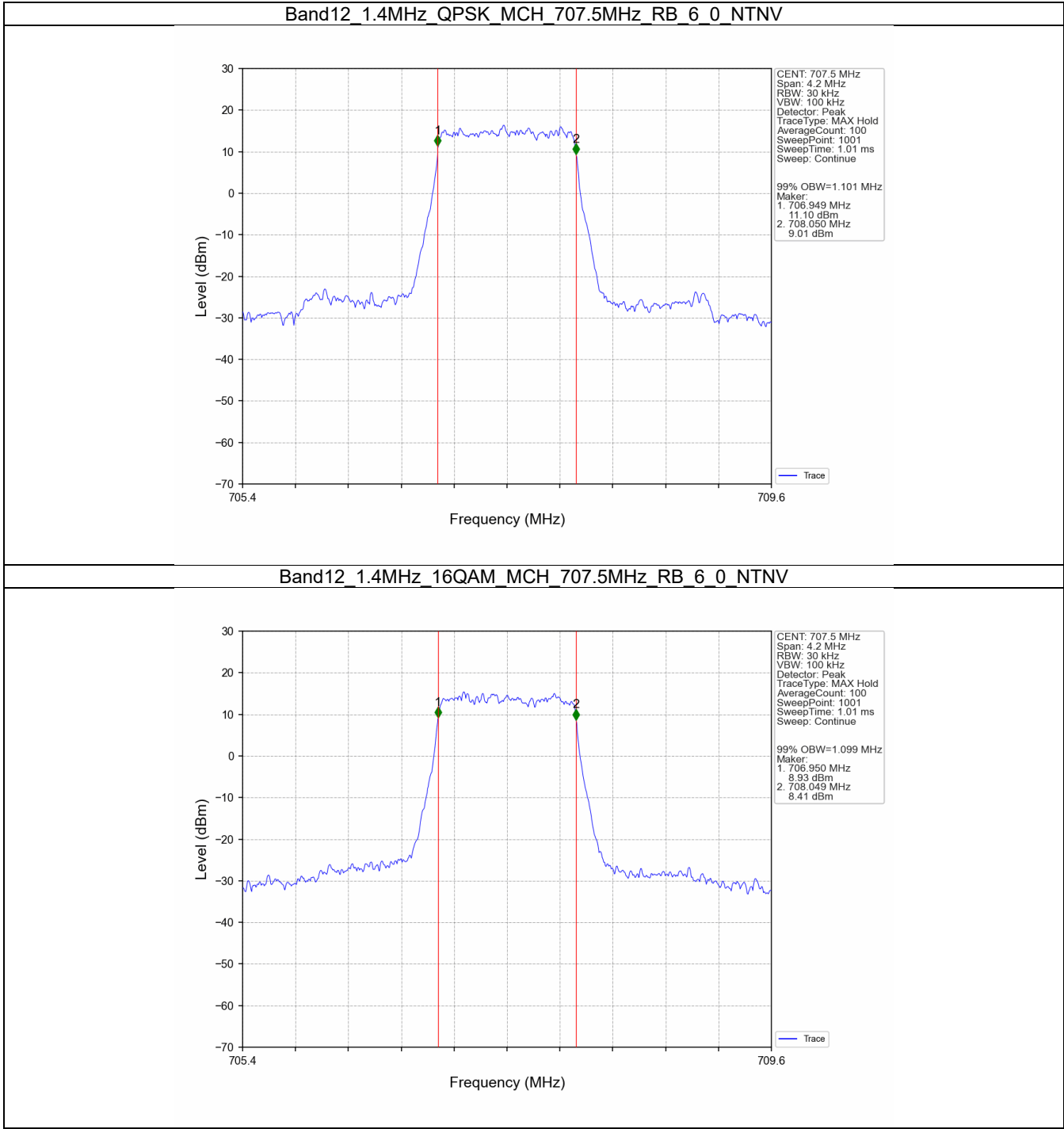
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.101	/	Pass
	16QAM	707.5	6	0	1.099	/	Pass
	64QAM	707.5	6	0	1.096	/	Pass
3	QPSK	707.5	15	0	2.736	/	Pass
	16QAM	707.5	15	0	2.734	/	Pass
	64QAM	707.5	15	0	2.737	/	Pass
5	QPSK	707.5	25	0	4.514	/	Pass
	16QAM	707.5	25	0	4.504	/	Pass
	64QAM	707.5	25	0	4.509	/	Pass
10	QPSK	707.5	50	0	8.977	/	Pass
	16QAM	707.5	50	0	8.964	/	Pass
	64QAM	707.5	50	0	8.993	/	Pass

3.1.2 Band12_XDB

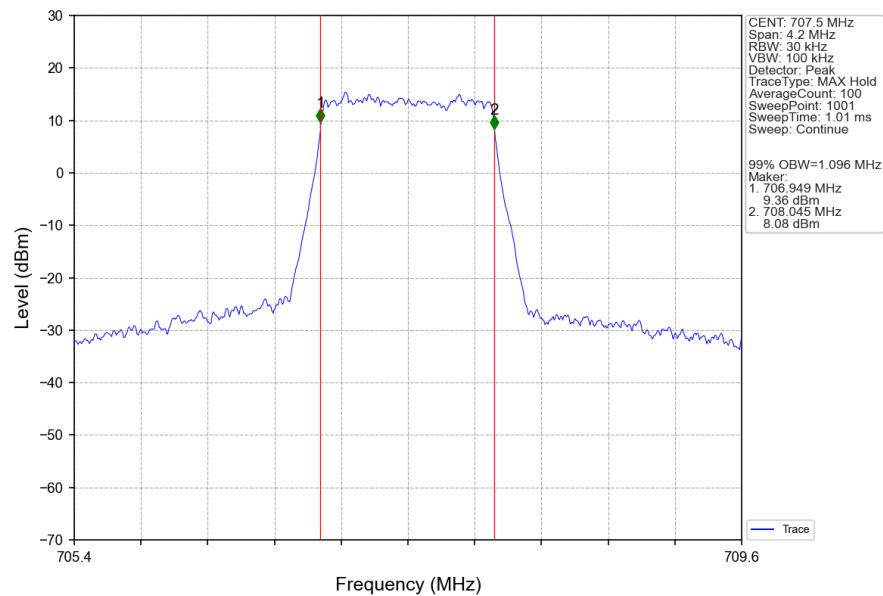
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.302	/	Pass
	16QAM	707.5	6	0	1.293	/	Pass
	64QAM	707.5	6	0	1.301	/	Pass
3	QPSK	707.5	15	0	3.060	/	Pass
	16QAM	707.5	15	0	3.074	/	Pass
	64QAM	707.5	15	0	3.070	/	Pass
5	QPSK	707.5	25	0	5.065	/	Pass
	16QAM	707.5	25	0	5.049	/	Pass
	64QAM	707.5	25	0	5.017	/	Pass
10	QPSK	707.5	50	0	9.780	/	Pass
	16QAM	707.5	50	0	9.804	/	Pass
	64QAM	707.5	50	0	9.861	/	Pass

3.2 Test Graph

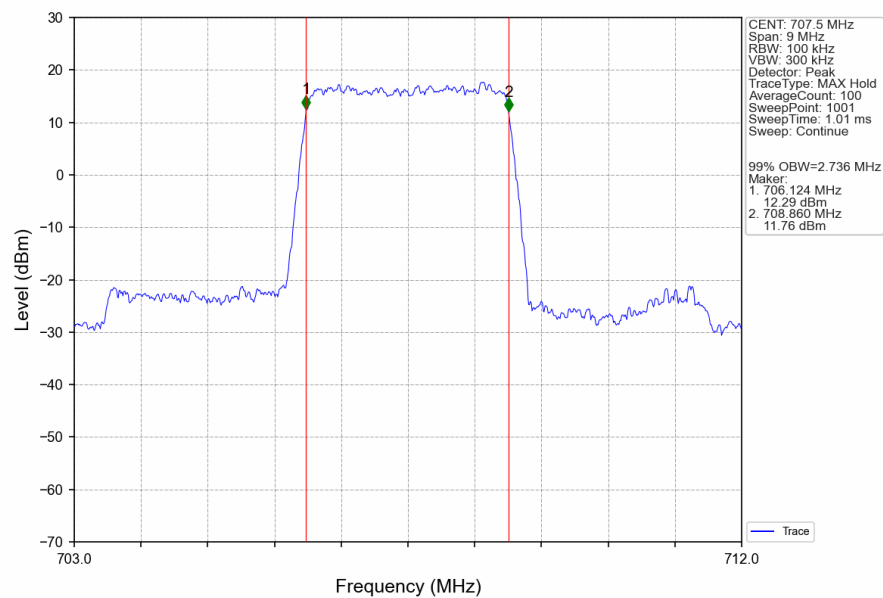
3.2.1 Band12_OBW



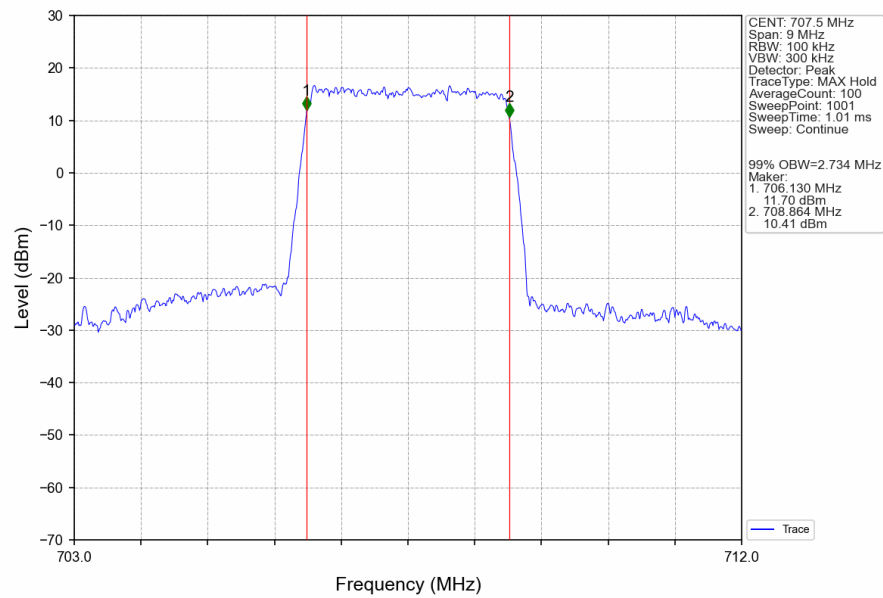
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



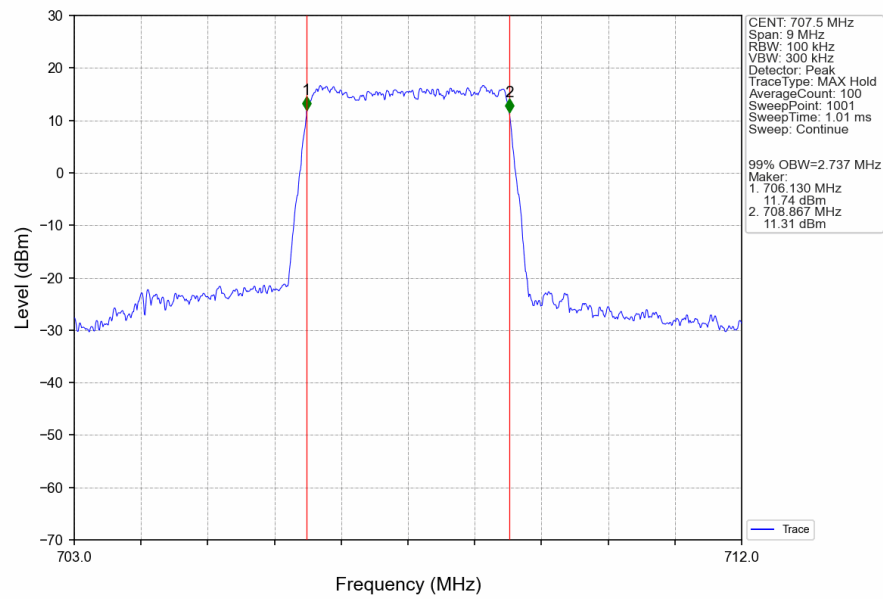
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



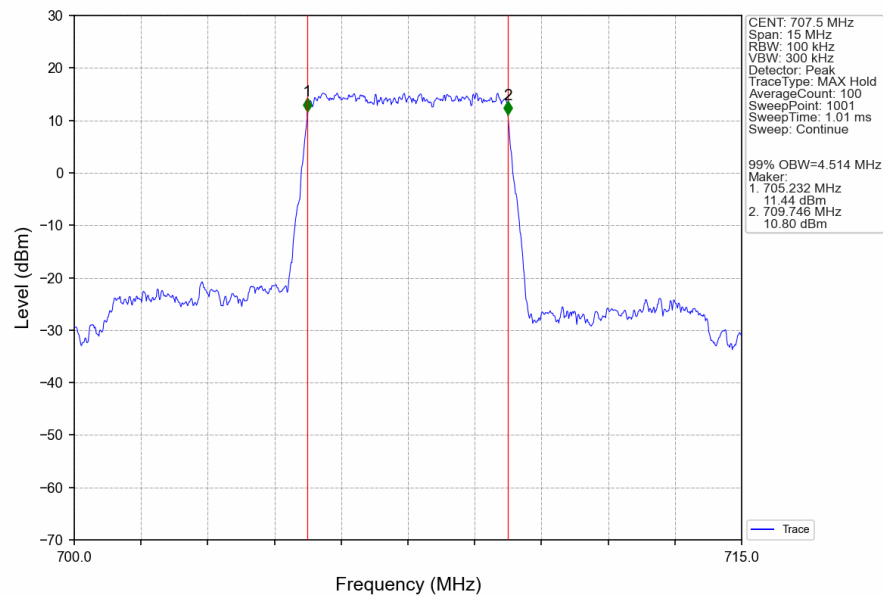
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



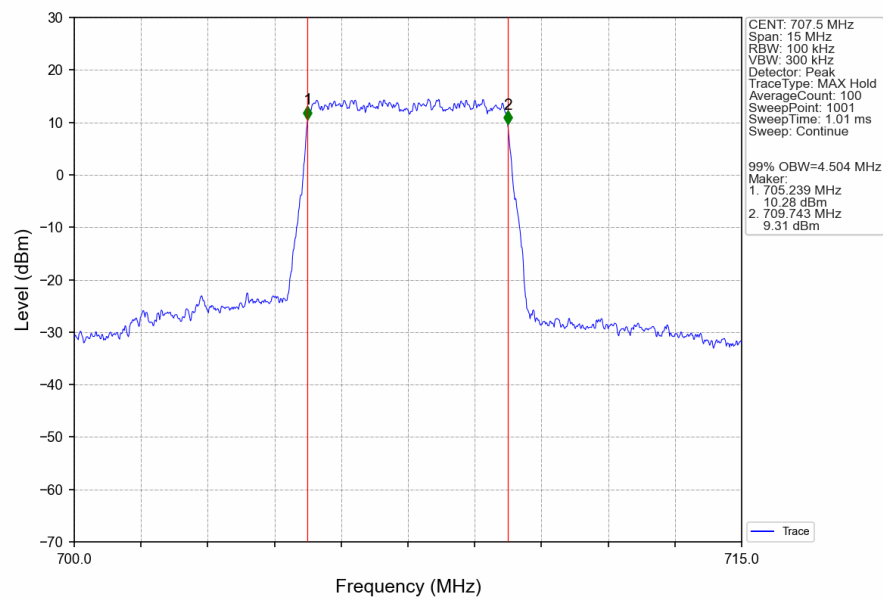
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



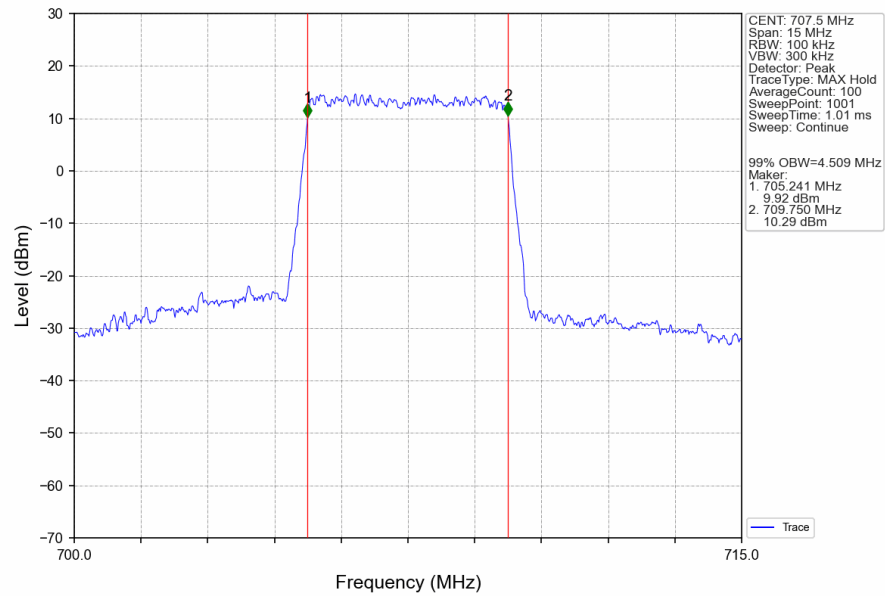
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



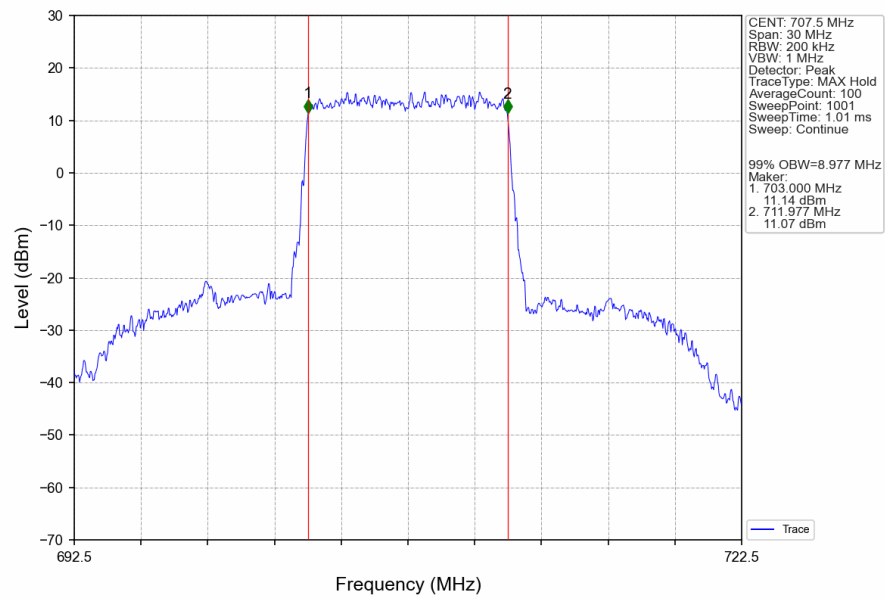
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



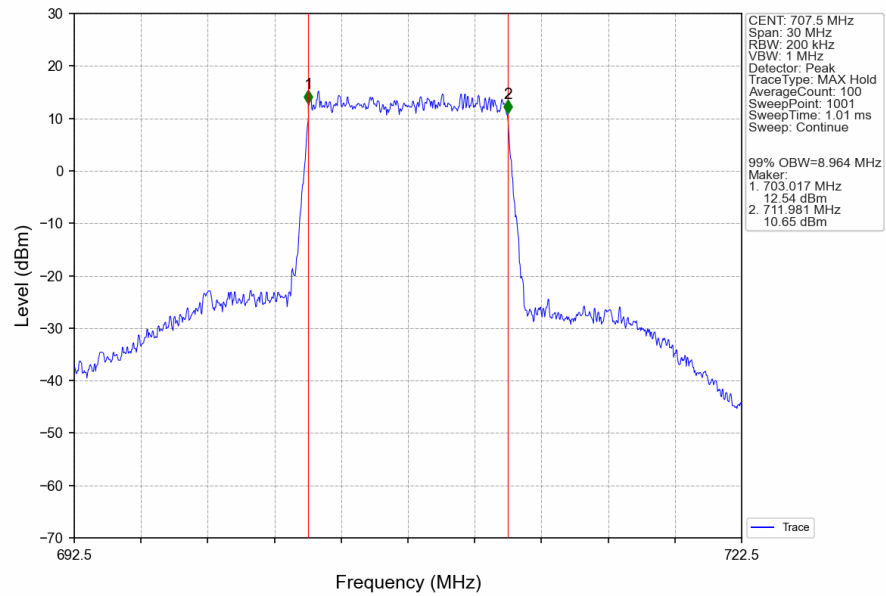
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



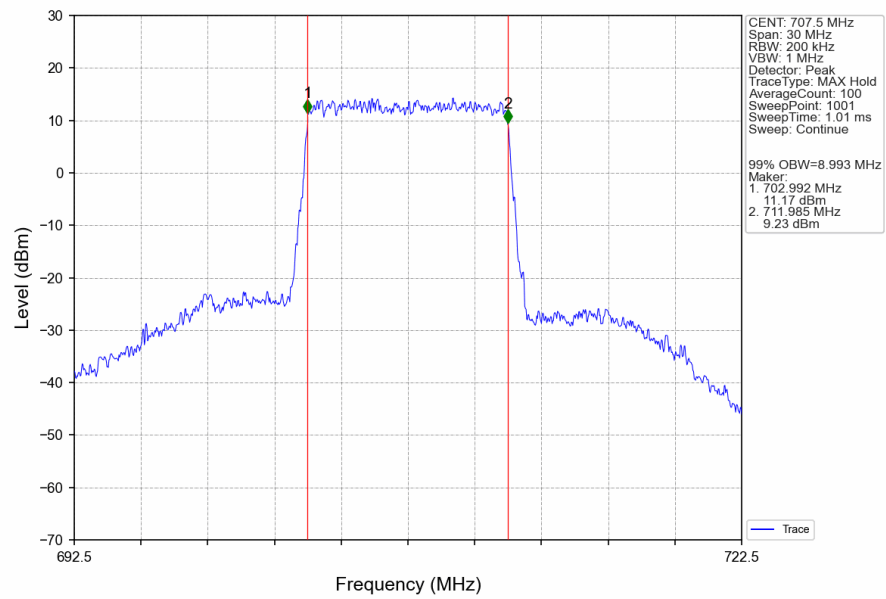
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



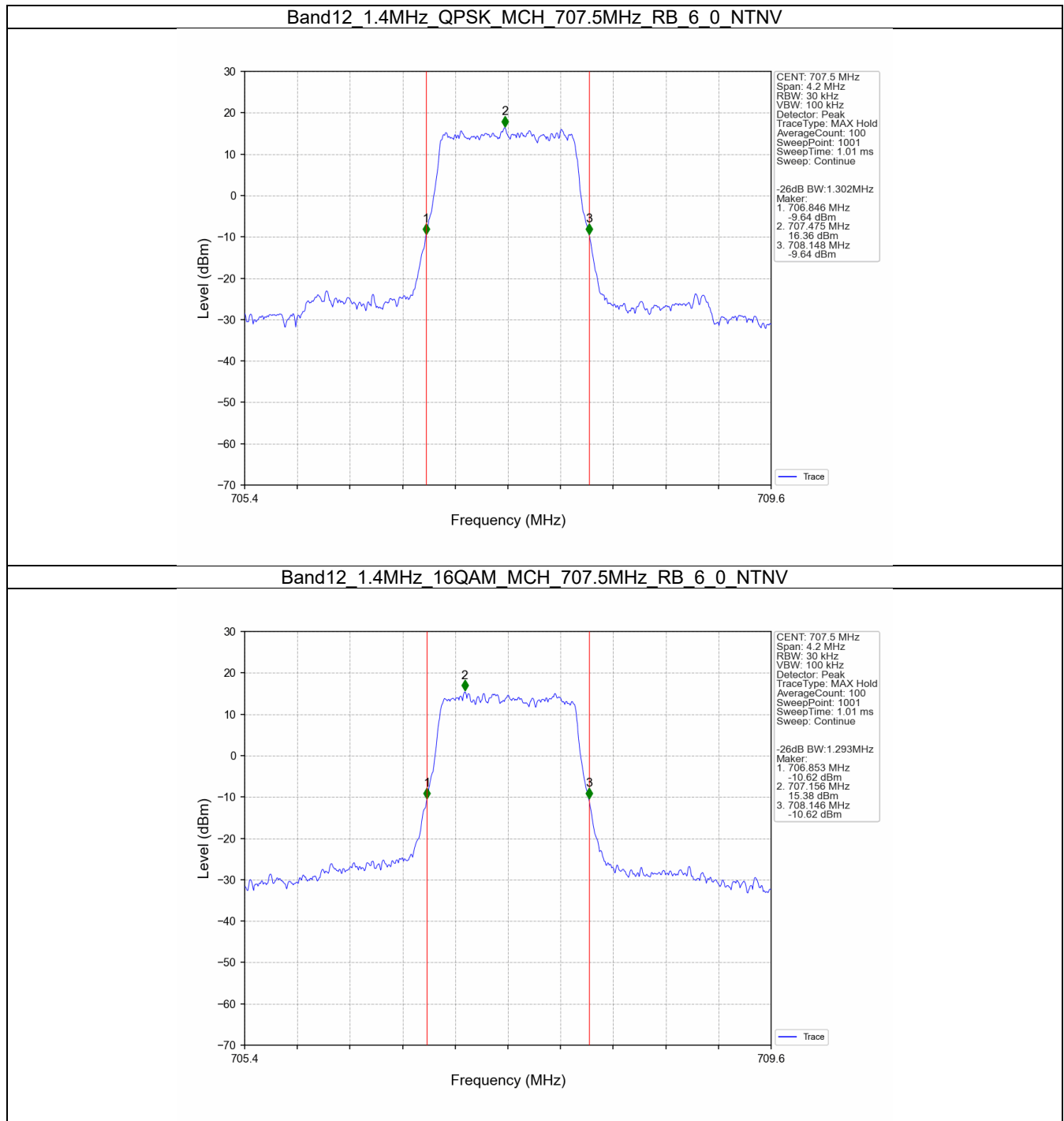
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



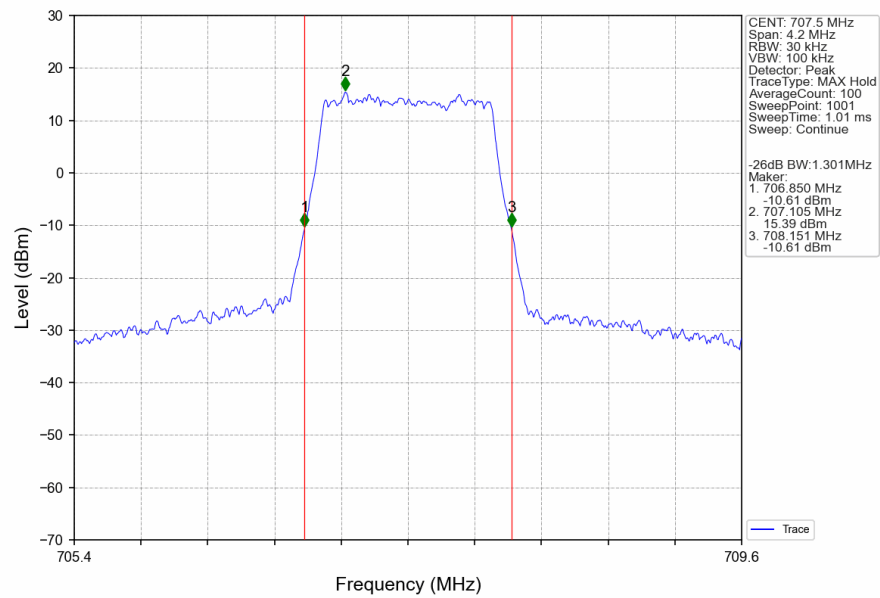
Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



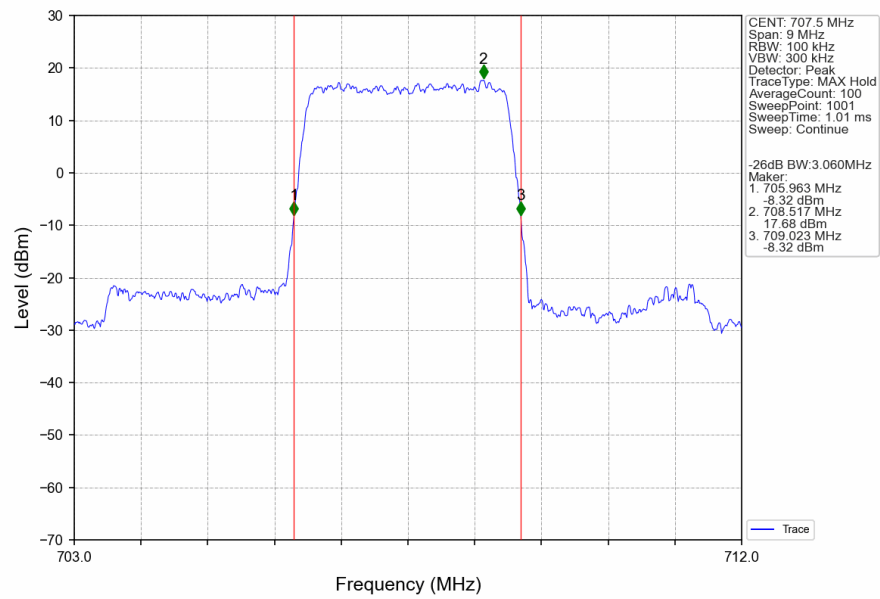
3.2.2 Band12_XDB



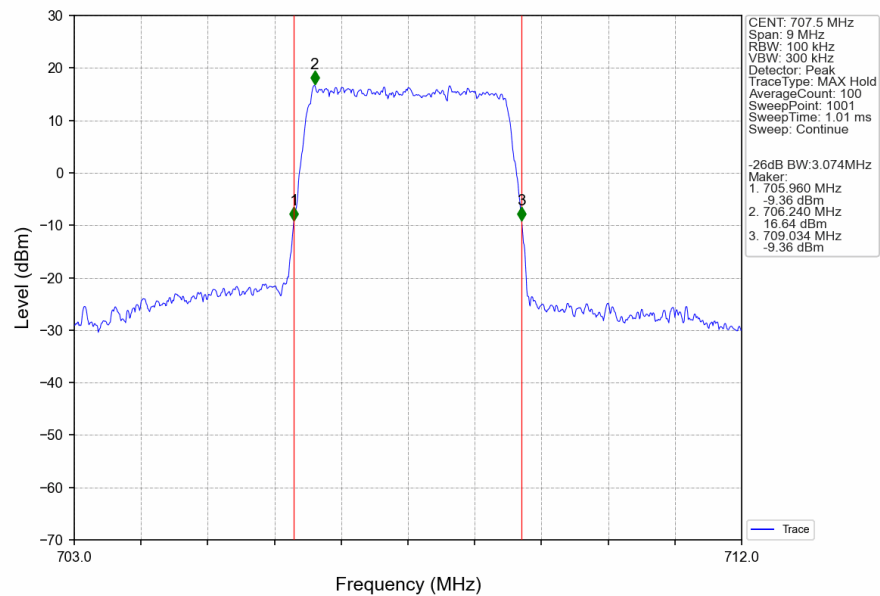
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



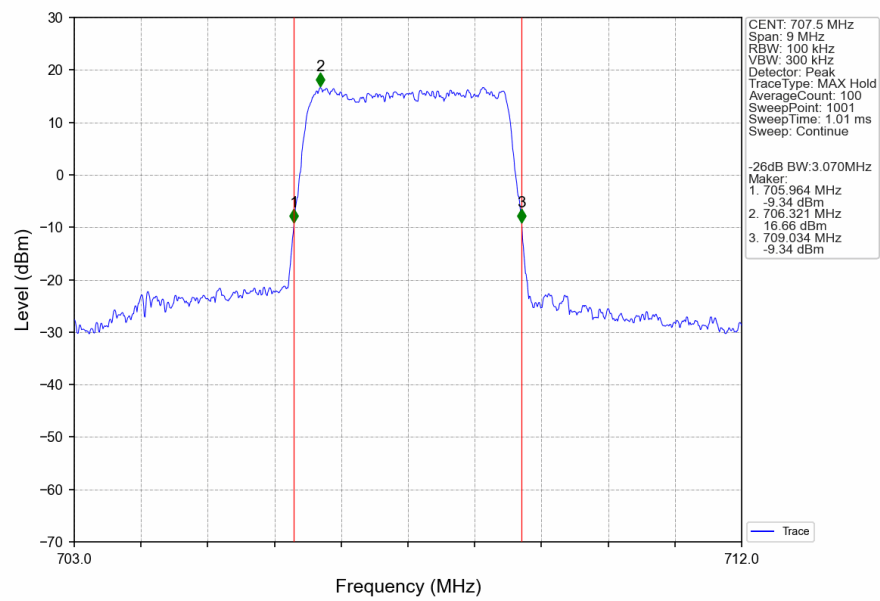
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



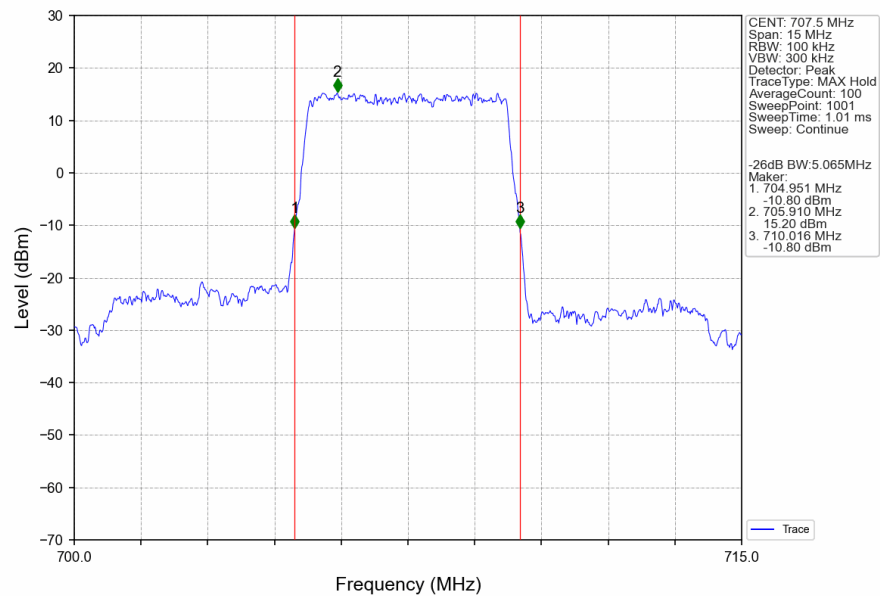
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



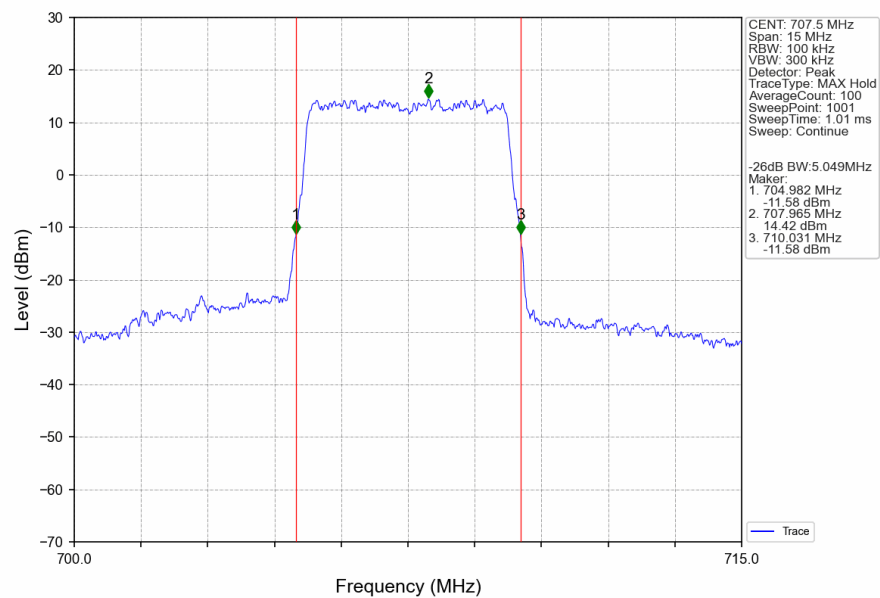
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



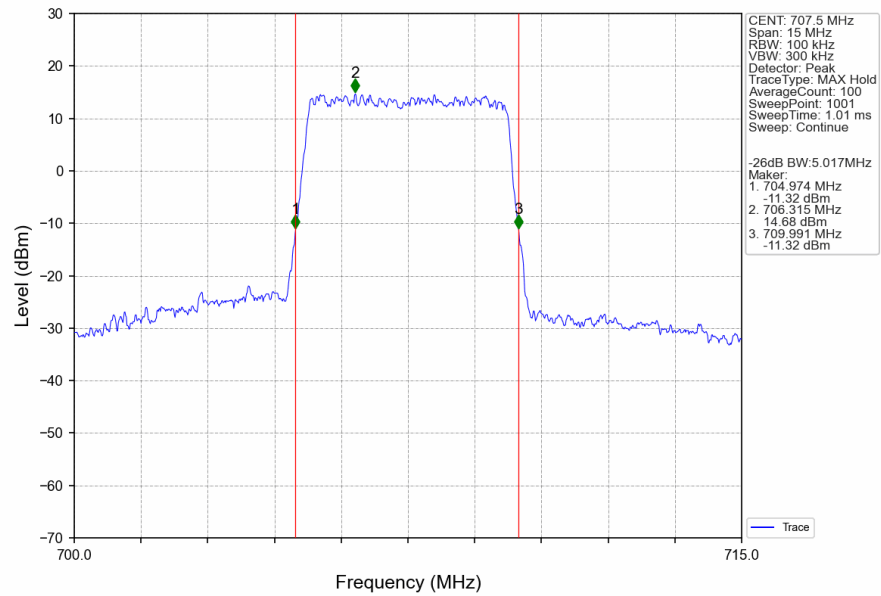
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



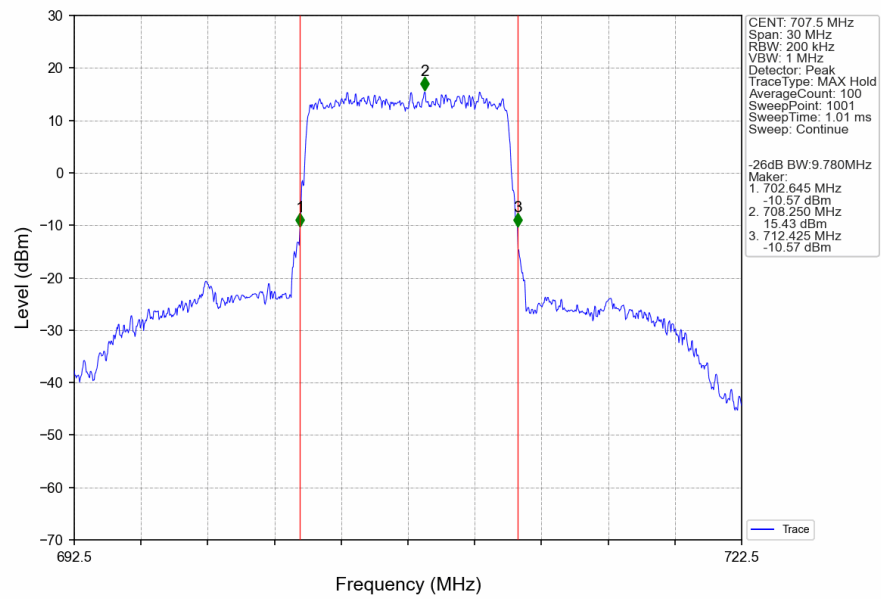
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



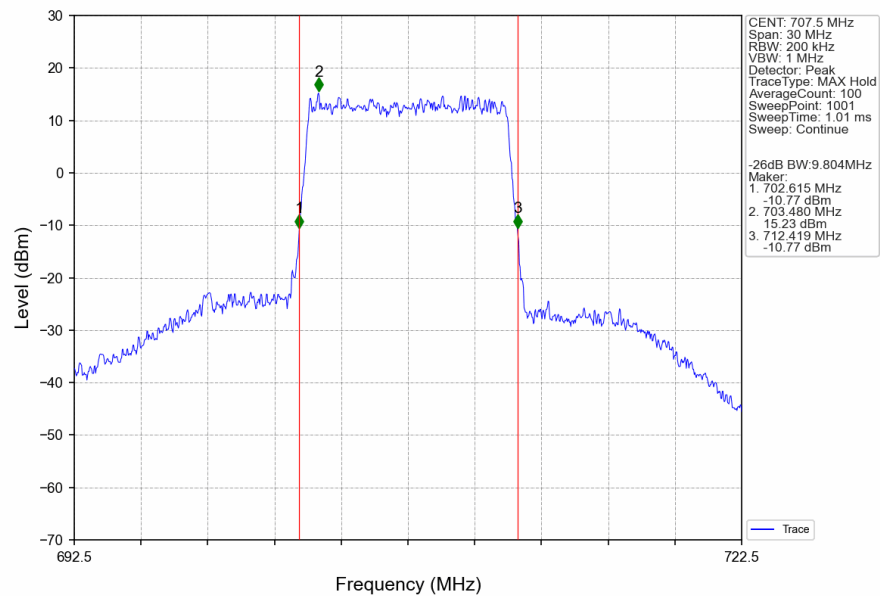
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



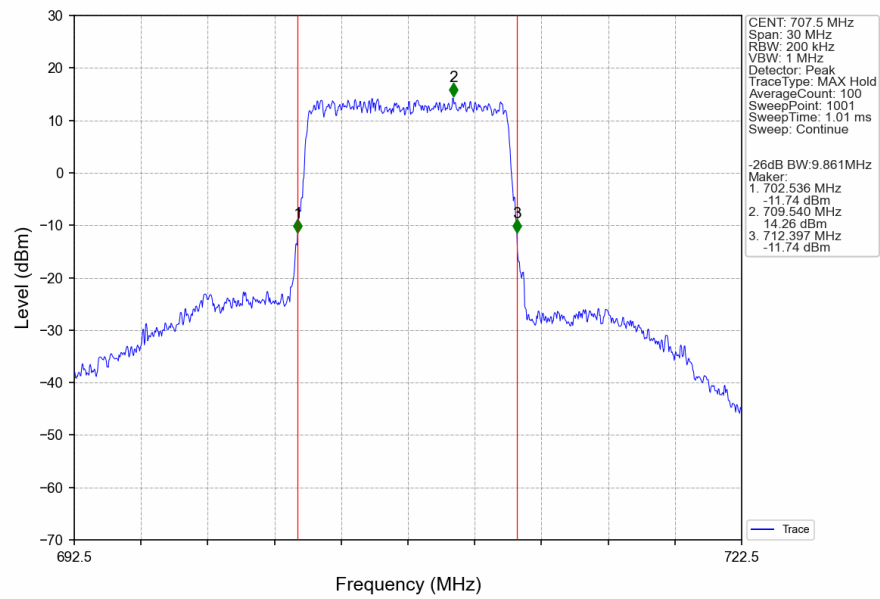
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

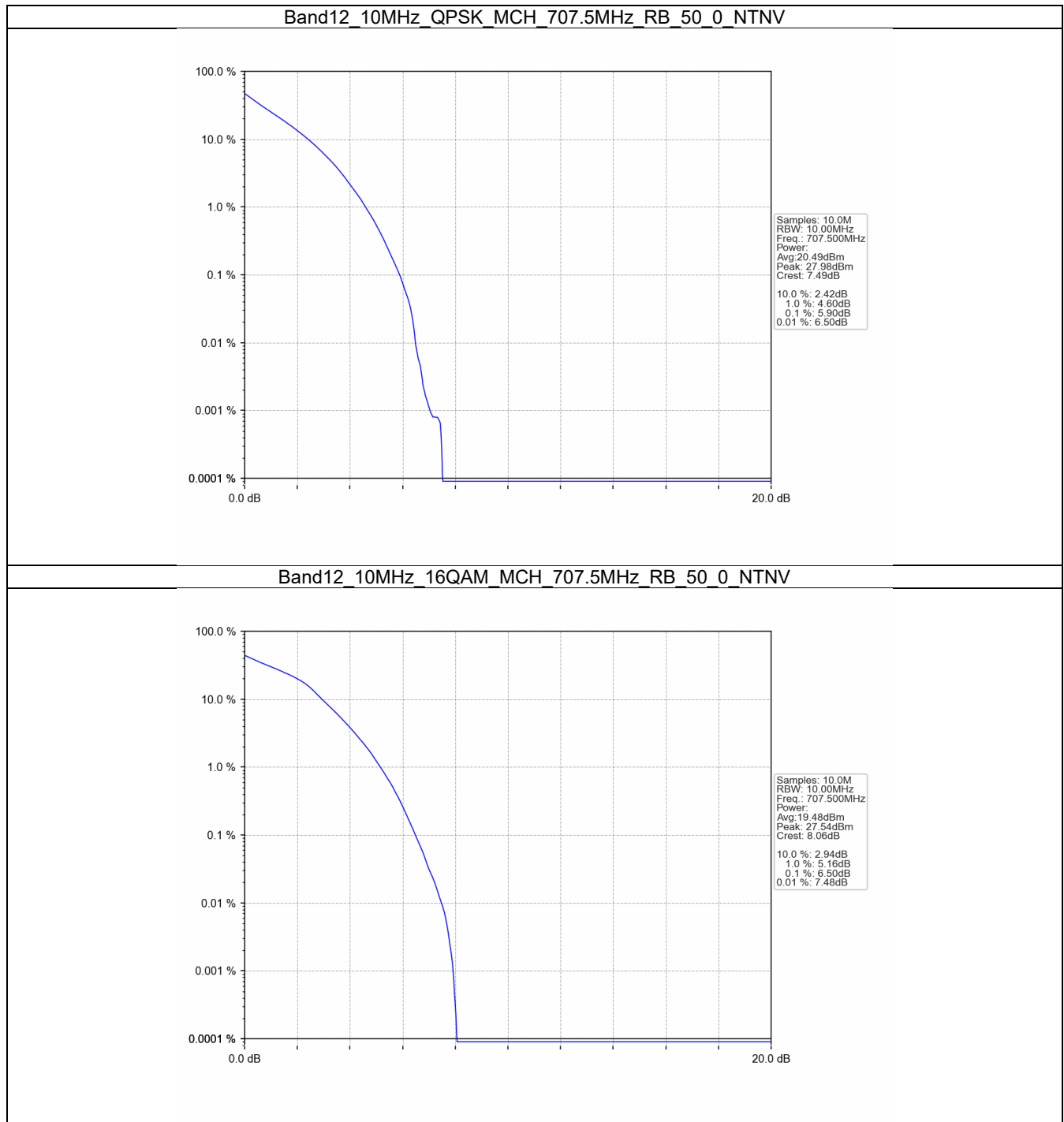
4.1 Test Result

4.1.1 B12_10MHz

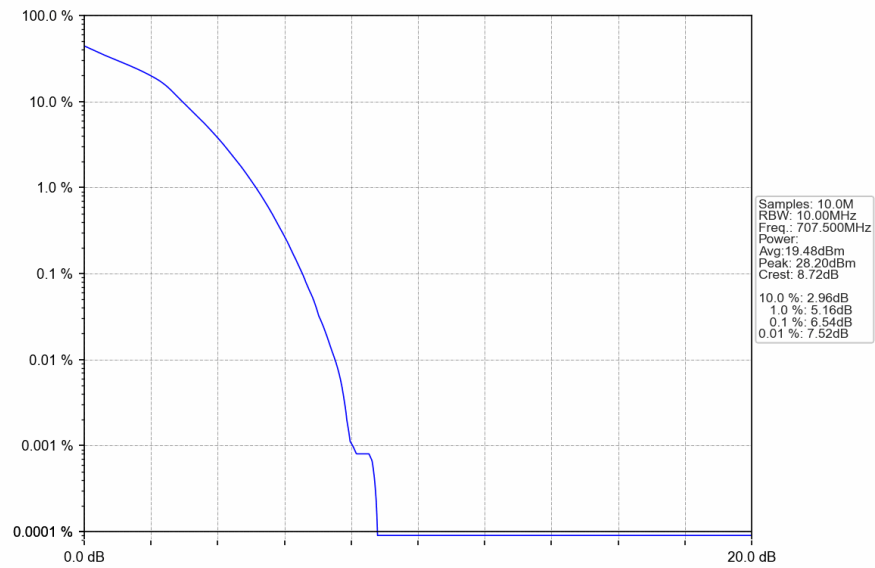
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	5.90	<=13	Pass
16QAM	707.5	50	0	6.50	<=13	Pass
64QAM	707.5	50	0	6.54	<=13	Pass

4.2 Test Graph

4.2.1 B12_10MHz



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_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		Pass
			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		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B12_5MHz

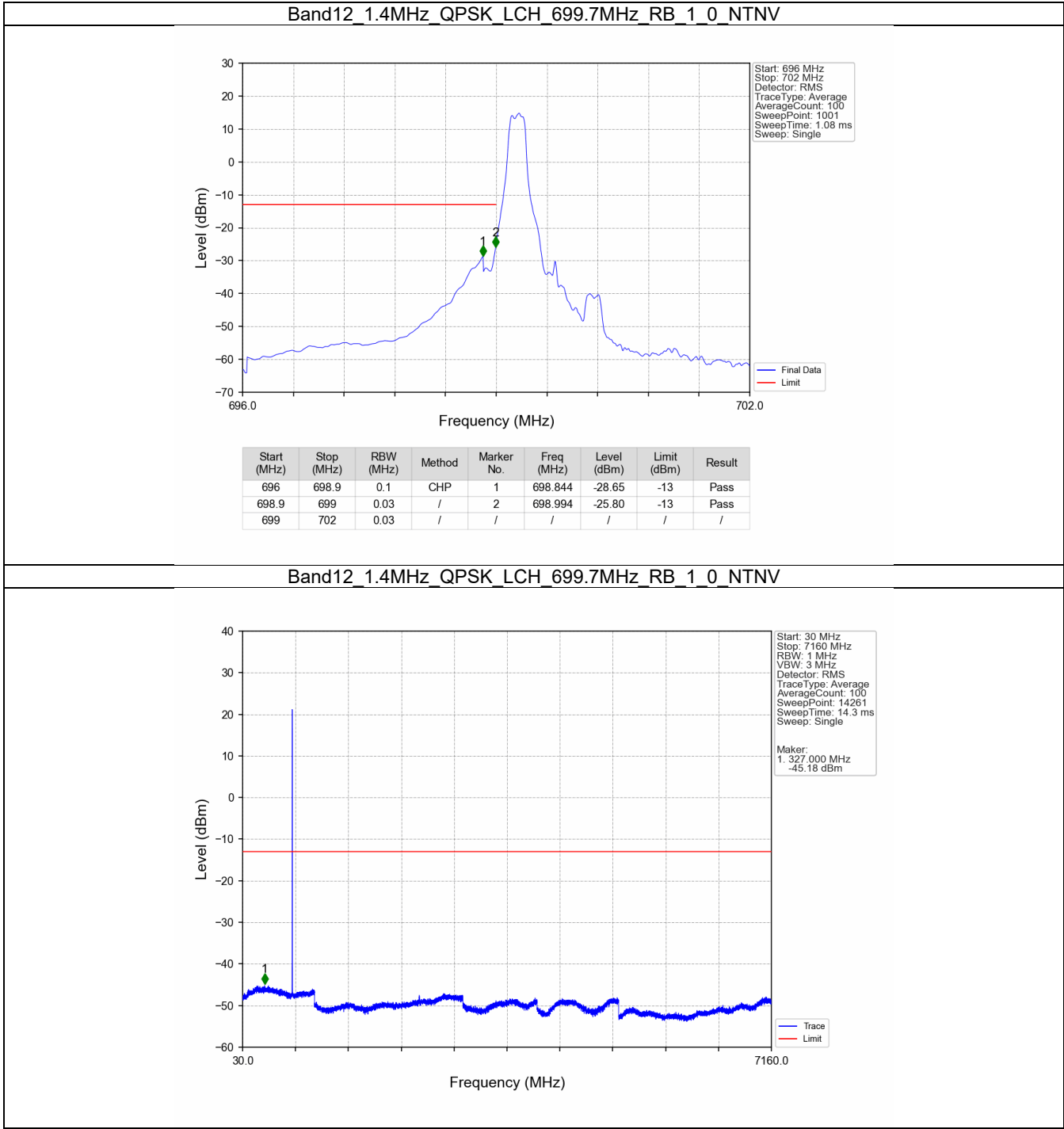
Band: 12 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B12_10MHz

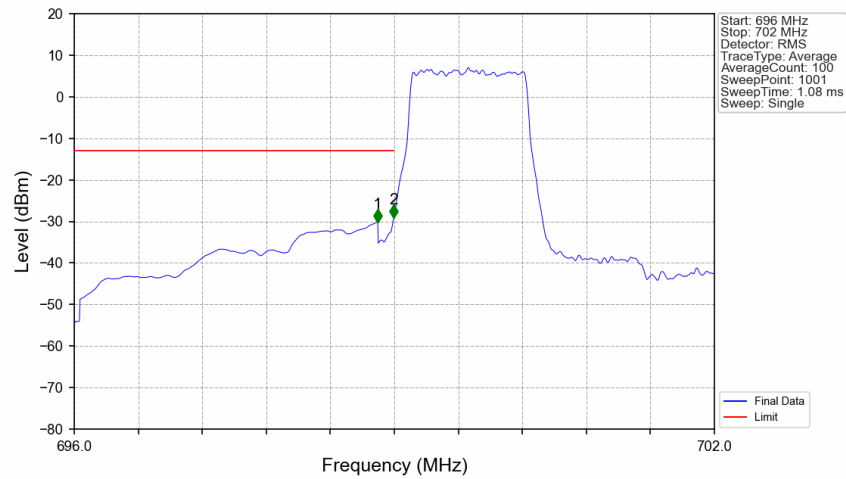
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

5.2 Test Graph

5.2.1 B12_1.4MHz

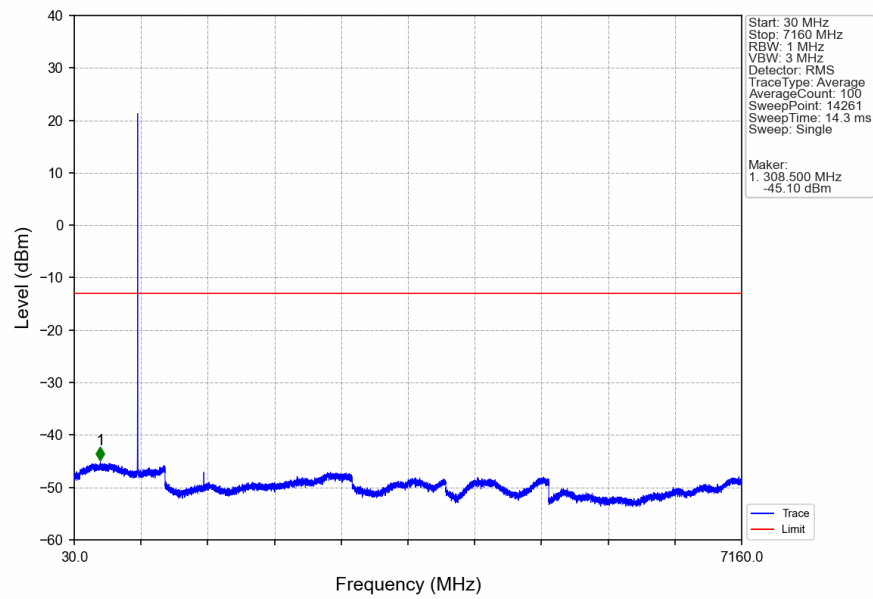


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

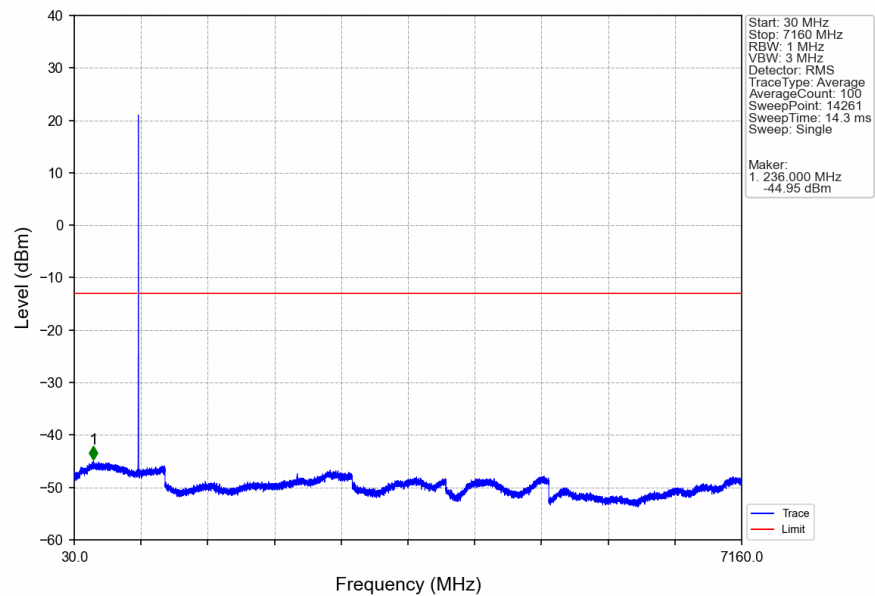


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-30.15	-13	Pass
698.9	699	0.03	/	2	698.994	-29.16	-13	Pass
699	702	0.03	/	/	/	/	/	/

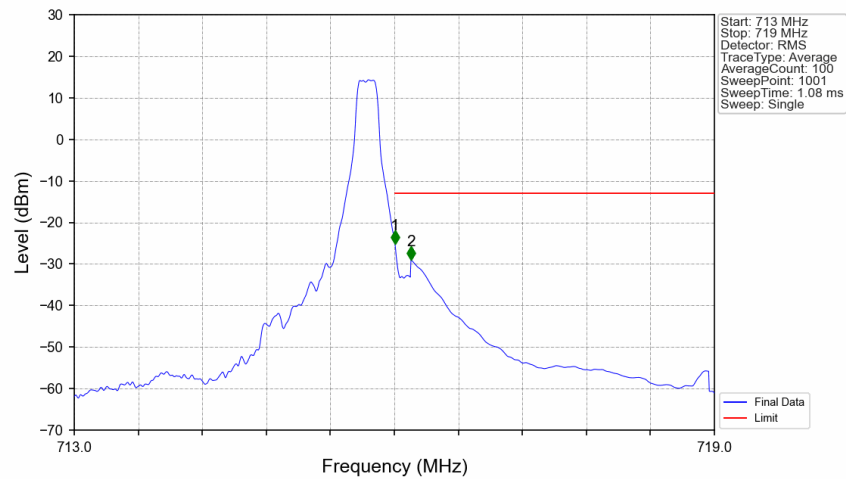
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

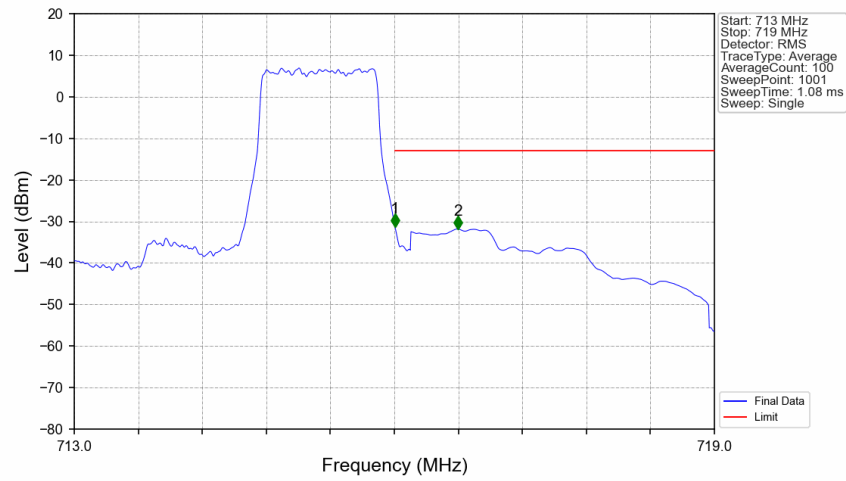


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



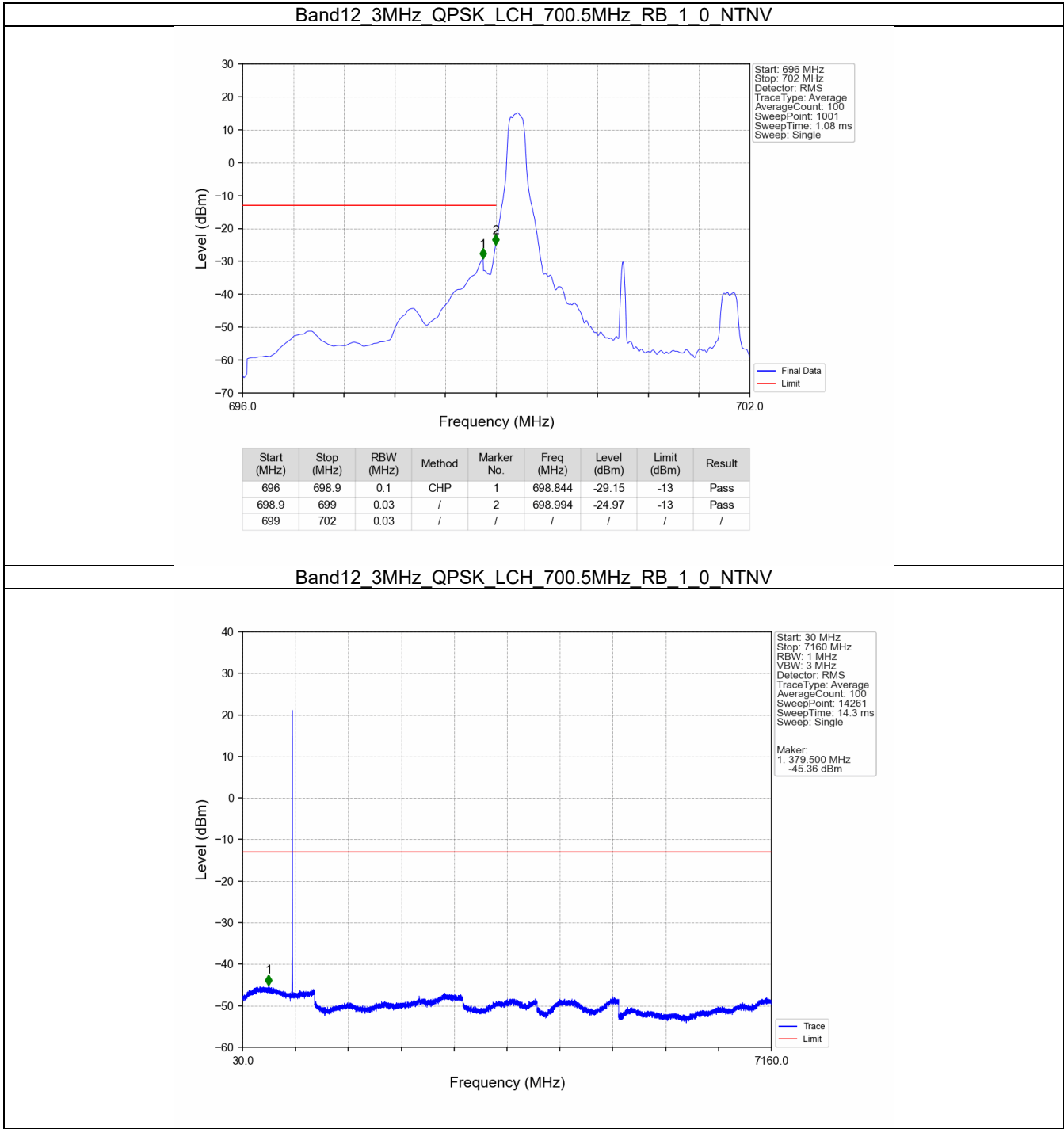
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-25.06	-13	Pass
716.1	719	0.1	CHP	2	716.156	-29.04	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV

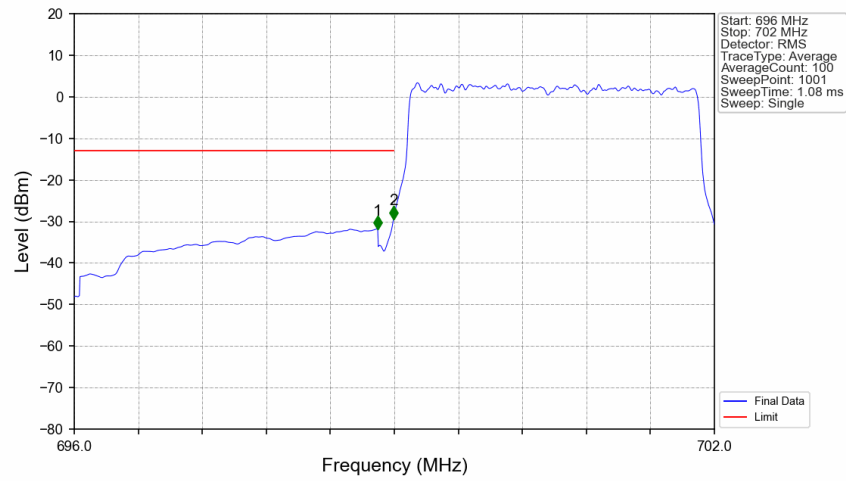


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-31.26	-13	Pass
716.1	719	0.1	CHP	2	716.594	-31.83	-13	Pass

5.2.2 B12_3MHz

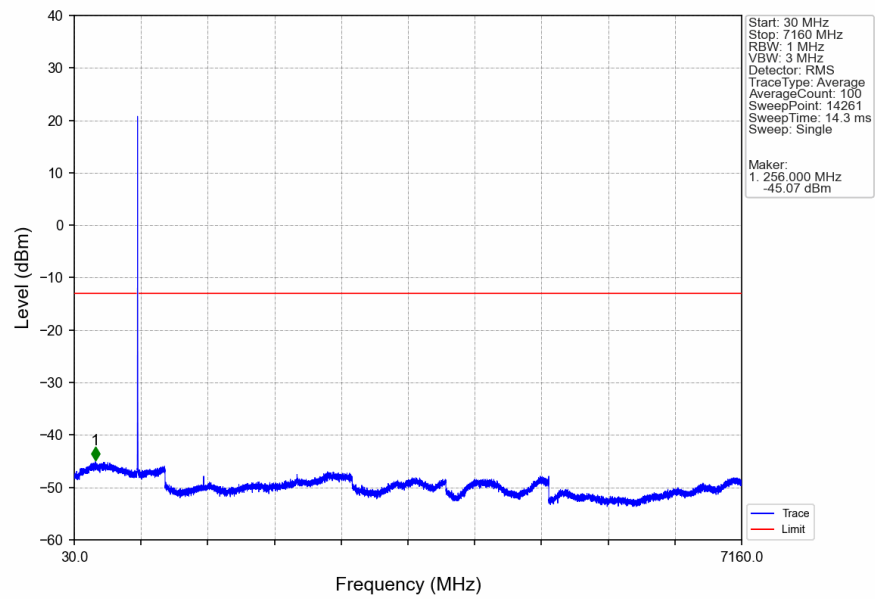


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

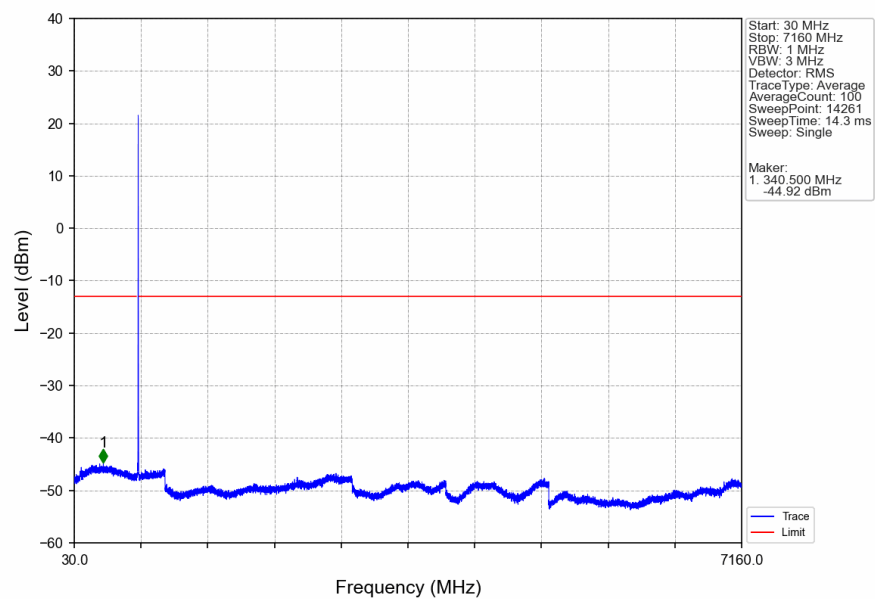


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-31.81	-13	Pass
698.9	699	0.03	/	2	698.994	-29.40	-13	Pass
699	702	0.03	/	/	/	/	/	/

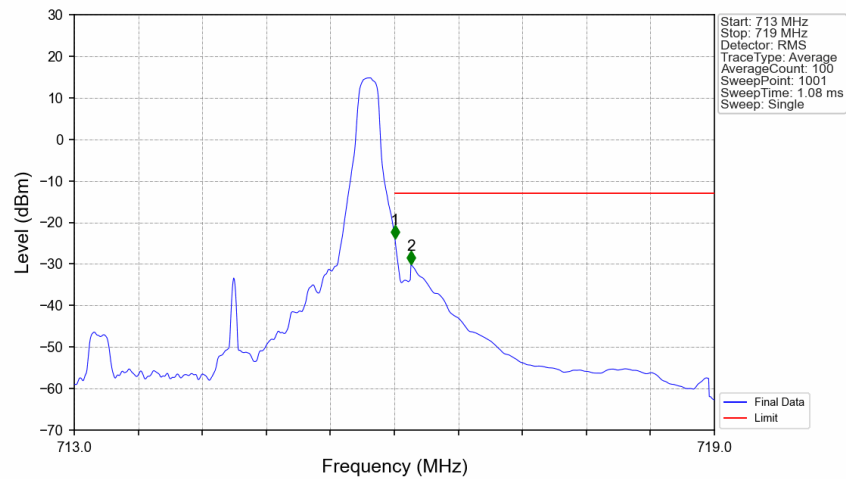
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

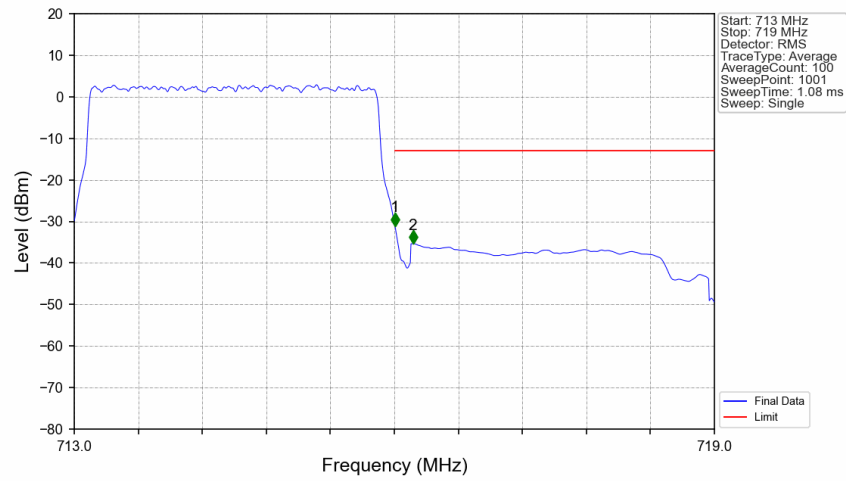


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



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	716.006	-23.88	-13	Pass
716.1	719	0.1	CHP	2	716.156	-30.11	-13	Pass

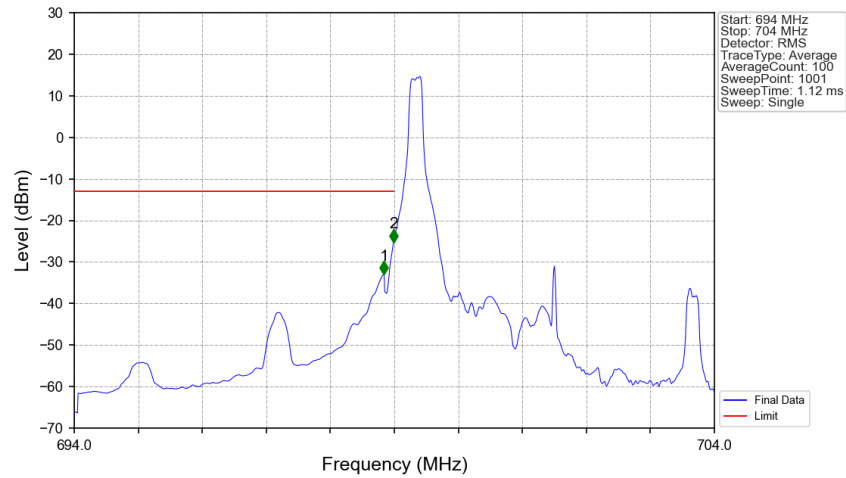
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



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	-31.04	-13	Pass
716.1	719	0.1	CHP	2	716.174	-35.36	-13	Pass

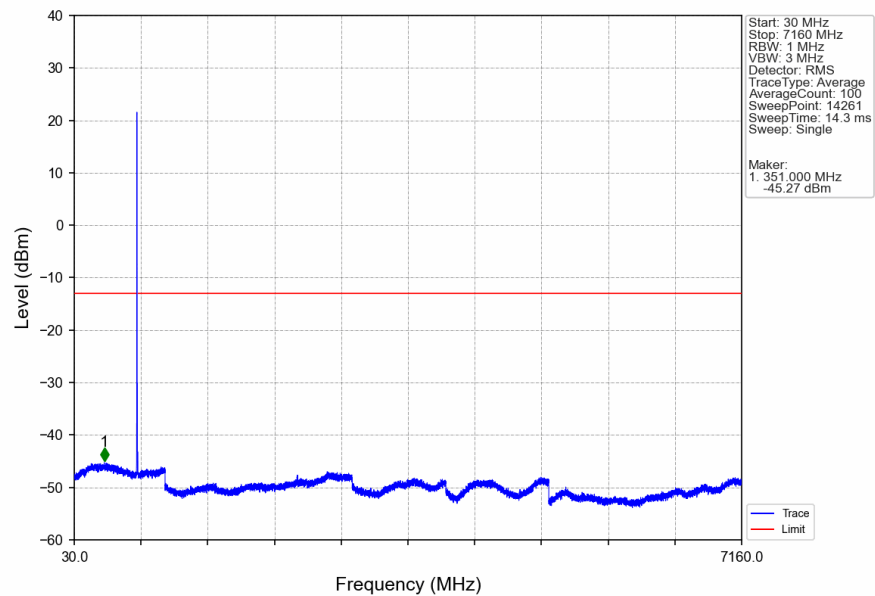
5.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

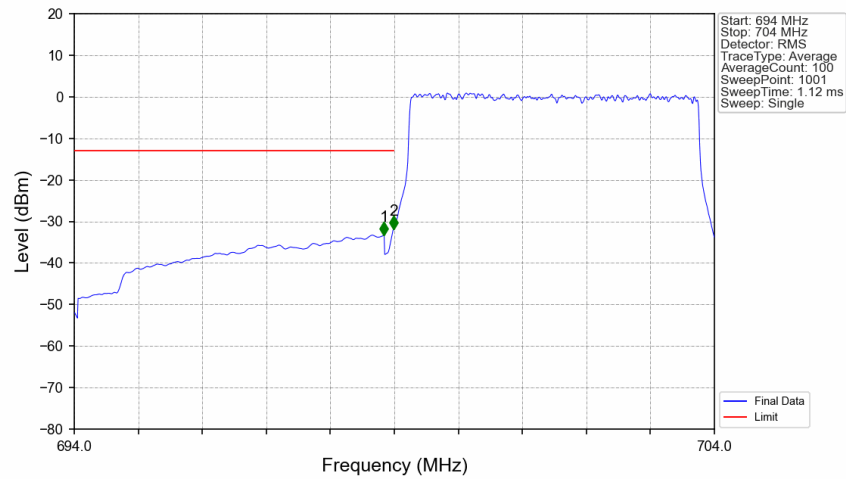


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-32.98	-13	Pass
698.9	699	0.03	/	2	698.990	-25.23	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

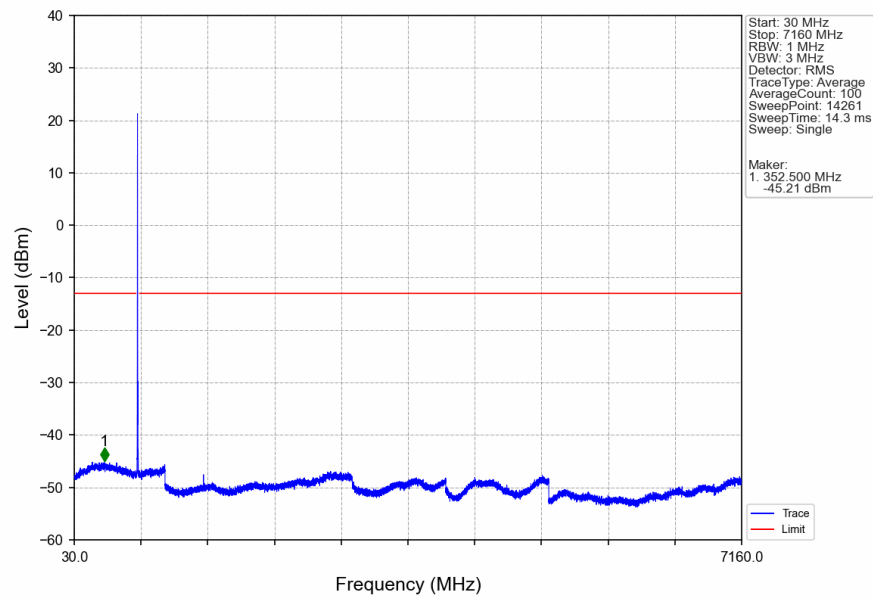


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

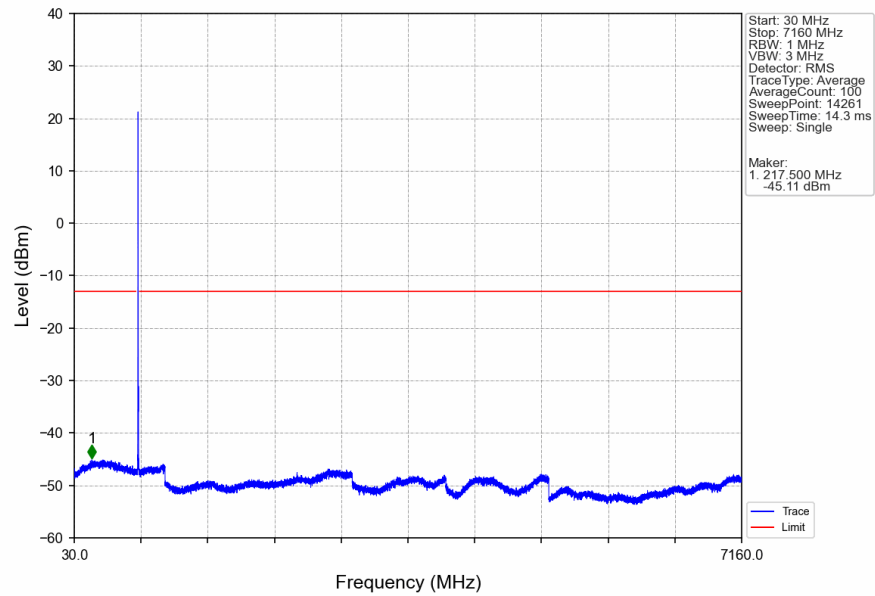


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-33.29	-13	Pass
698.9	699	0.03	/	2	698.990	-31.82	-13	Pass
699	704	0.03	/	/	/	/	/	/

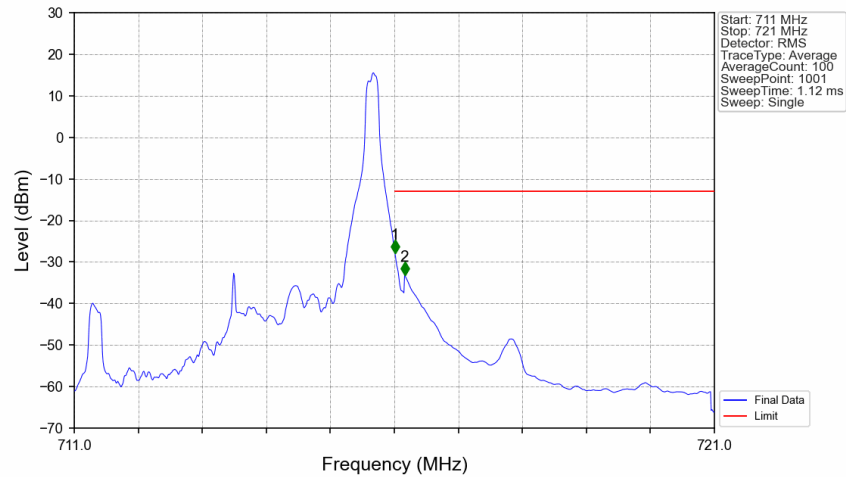
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

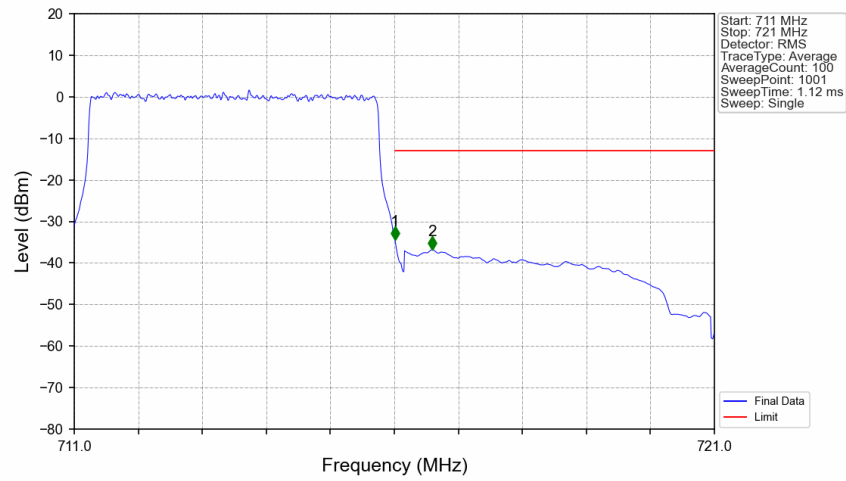


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



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	-27.83	-13	Pass
716.1	721	0.1	CHP	2	716.160	-33.19	-13	Pass

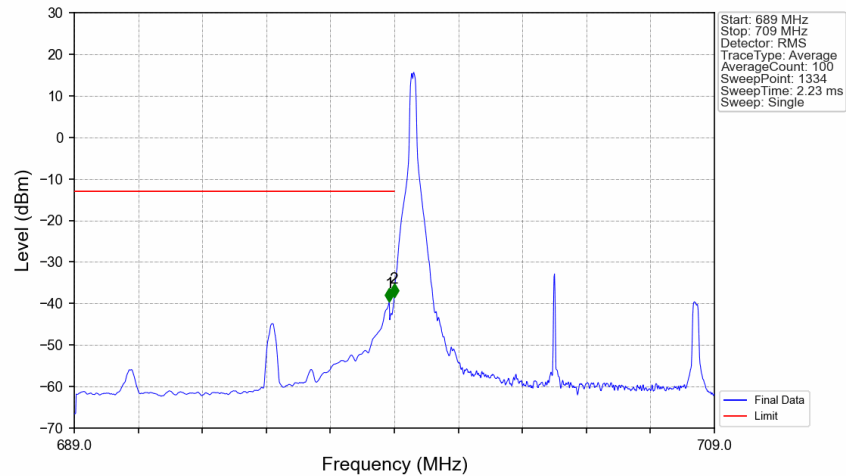
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



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	716.010	-34.43	-13	Pass
716.1	721	0.1	CHP	2	716.590	-36.81	-13	Pass

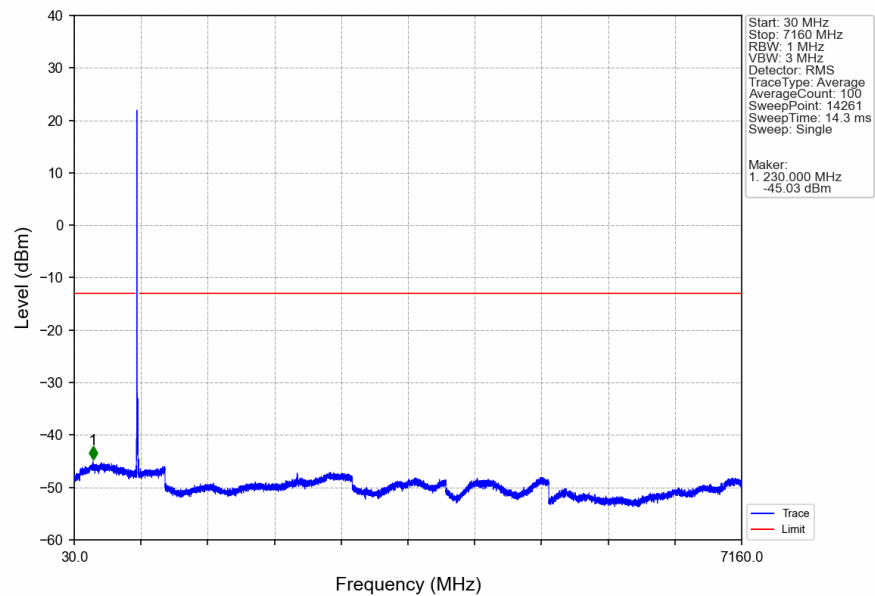
5.2.4 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

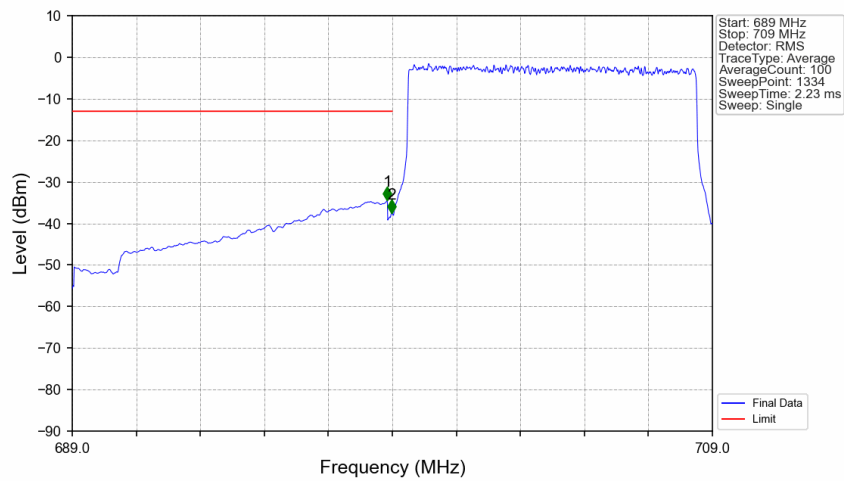


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-39.45	-13	Pass
698.9	699	0.03	/	2	698.992	-38.45	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

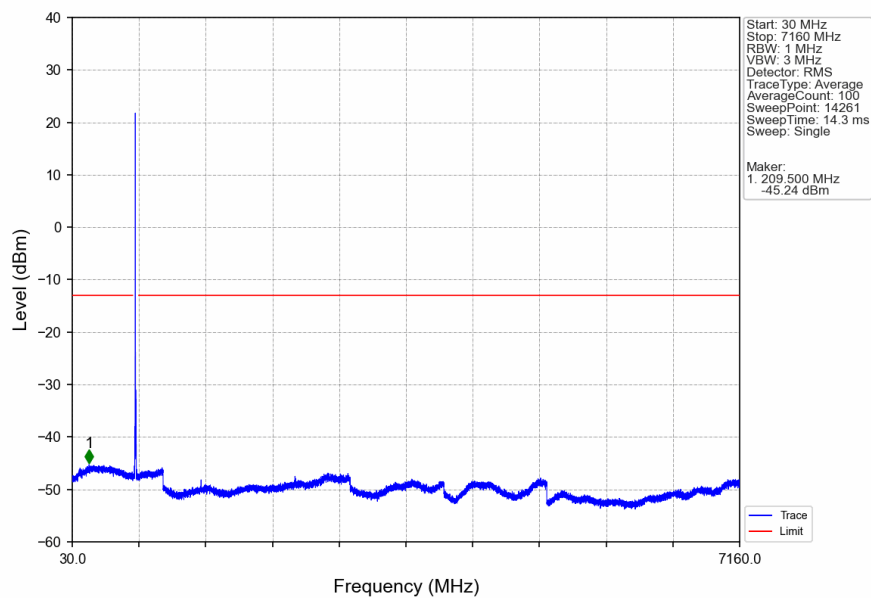


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

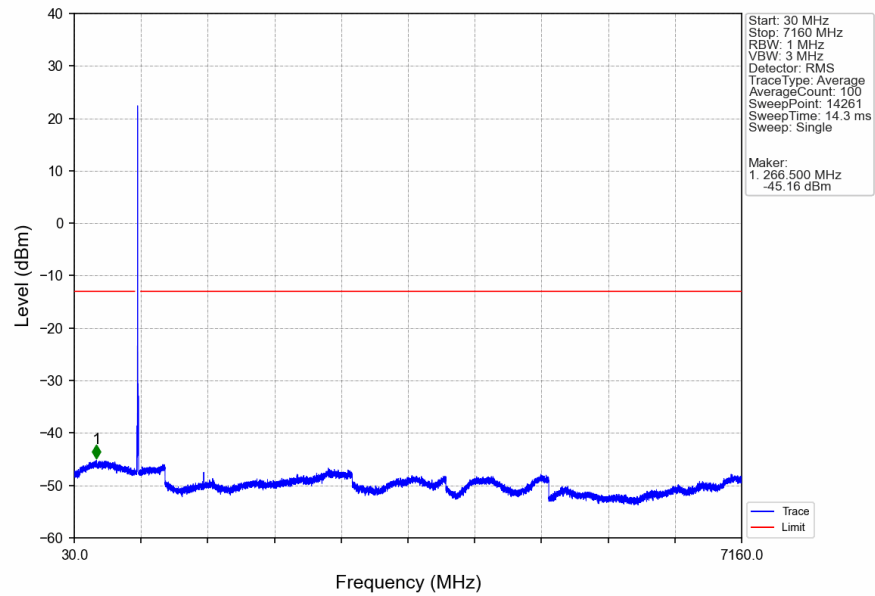


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-34.38	-13	Pass
698.9	699	0.03	/	2	698.977	-37.52	-13	Pass
699	709	0.03	/	/	/	/	/	/

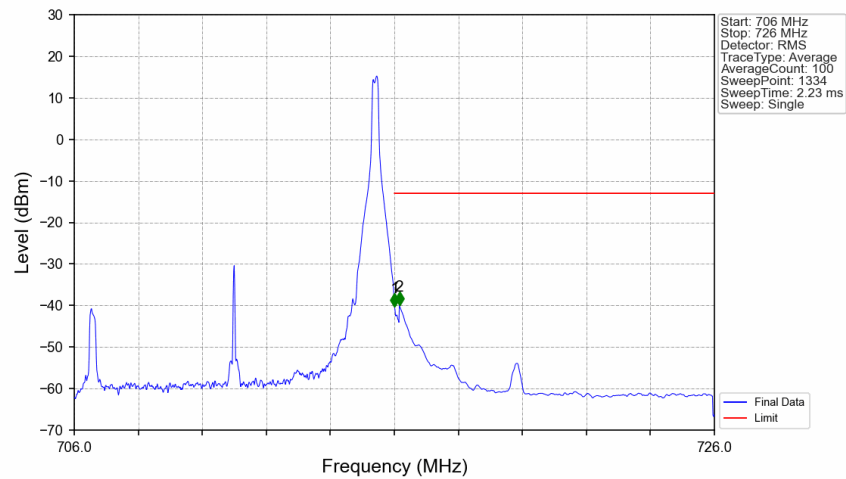
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

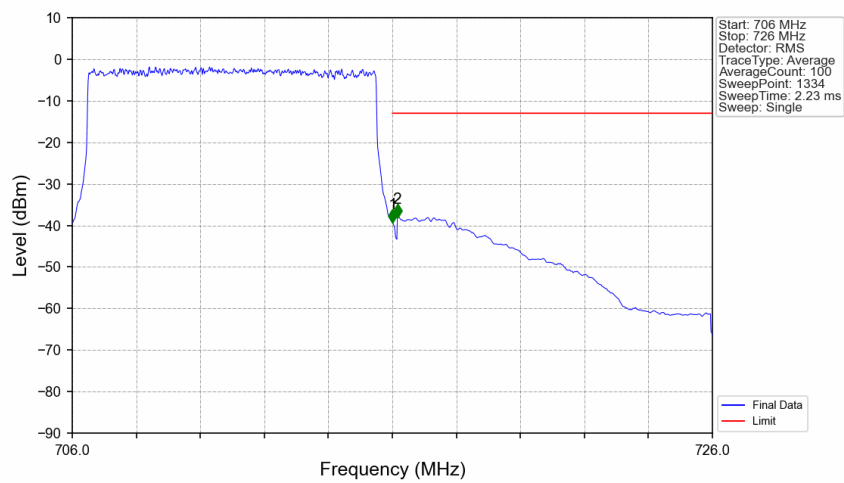


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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	-40.34	-13	Pass
716.1	726	0.1	CHP	2	716.158	-39.93	-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	716.008	-39.28	-13	Pass
716.1	726	0.1	CHP	2	716.158	-37.95	-13	Pass

---End of Attachment---