

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	23.48	-5.26	16.07	<=34.77	Pass
			2	23.50	-5.26	16.09	<=34.77	Pass
			5	23.18	-5.26	15.77	<=34.77	Pass
		3	0	23.09	-5.26	15.68	<=34.77	Pass
			2	23.07	-5.26	15.66	<=34.77	Pass
			3	23.06	-5.26	15.65	<=34.77	Pass
		6	0	21.97	-5.26	14.56	<=34.77	Pass
	707.5	1	0	22.98	-5.26	15.57	<=34.77	Pass
			2	23.11	-5.26	15.70	<=34.77	Pass
			5	22.98	-5.26	15.57	<=34.77	Pass
		3	0	23.10	-5.26	15.69	<=34.77	Pass
			2	23.11	-5.26	15.70	<=34.77	Pass
			3	23.12	-5.26	15.71	<=34.77	Pass
		6	0	22.13	-5.26	14.72	<=34.77	Pass
	715.3	1	0	23.50	-5.26	16.09	<=34.77	Pass
			2	23.36	-5.26	15.95	<=34.77	Pass
			5	23.28	-5.26	15.87	<=34.77	Pass
		3	0	23.42	-5.26	16.01	<=34.77	Pass
			2	23.44	-5.26	16.03	<=34.77	Pass
			3	23.43	-5.26	16.02	<=34.77	Pass
		6	0	22.33	-5.26	14.92	<=34.77	Pass
16QAM	699.7	1	0	22.13	-5.26	14.72	<=34.77	Pass
			2	22.24	-5.26	14.83	<=34.77	Pass
			5	22.12	-5.26	14.71	<=34.77	Pass
		3	0	22.05	-5.26	14.64	<=34.77	Pass
			2	22.09	-5.26	14.68	<=34.77	Pass
			3	22.09	-5.26	14.68	<=34.77	Pass
		6	0	21.09	-5.26	13.68	<=34.77	Pass
	707.5	1	0	22.00	-5.26	14.59	<=34.77	Pass
			2	22.09	-5.26	14.68	<=34.77	Pass
			5	22.06	-5.26	14.65	<=34.77	Pass
		3	0	22.16	-5.26	14.75	<=34.77	Pass
			2	22.17	-5.26	14.76	<=34.77	Pass
			3	22.15	-5.26	14.74	<=34.77	Pass
		6	0	21.35	-5.26	13.94	<=34.77	Pass
	715.3	1	0	22.27	-5.26	14.86	<=34.77	Pass
			2	22.39	-5.26	14.98	<=34.77	Pass
			5	22.32	-5.26	14.91	<=34.77	Pass
		3	0	22.57	-5.26	15.16	<=34.77	Pass
			2	22.62	-5.26	15.21	<=34.77	Pass
			3	22.59	-5.26	15.18	<=34.77	Pass
		6	0	21.42	-5.26	14.01	<=34.77	Pass
64QAM	699.7	1	0	21.15	-5.26	13.74	<=34.77	Pass
			2	21.26	-5.26	13.85	<=34.77	Pass
			5	21.11	-5.26	13.70	<=34.77	Pass
		3	0	21.36	-5.26	13.95	<=34.77	Pass
			2	21.35	-5.26	13.94	<=34.77	Pass

			3	21.39	-5.26	13.98	<=34.77	Pass	
		6	0	20.32	-5.26	12.91	<=34.77	Pass	
	707.5	1	0	21.28	-5.26	13.87	<=34.77	Pass	
			2	21.35	-5.26	13.94	<=34.77	Pass	
			5	21.44	-5.26	14.03	<=34.77	Pass	
		3	0	21.57	-5.26	14.16	<=34.77	Pass	
			2	21.50	-5.26	14.09	<=34.77	Pass	
			3	21.47	-5.26	14.06	<=34.77	Pass	
		6	0	20.70	-5.26	13.29	<=34.77	Pass	
	715.3	1	0	21.73	-5.26	14.32	<=34.77	Pass	
			2	21.92	-5.26	14.51	<=34.77	Pass	
			5	21.82	-5.26	14.41	<=34.77	Pass	
		3	0	21.66	-5.26	14.25	<=34.77	Pass	
			2	21.73	-5.26	14.32	<=34.77	Pass	
			3	21.71	-5.26	14.30	<=34.77	Pass	
	6	0	20.45	-5.26	13.04	<=34.77	Pass		
	256QAM	699.7	1	0	21.88	-5.26	14.47	<=34.77	Pass
				2	22.03	-5.26	14.62	<=34.77	Pass
5				21.90	-5.26	14.49	<=34.77	Pass	
3			0	21.96	-5.26	14.55	<=34.77	Pass	
			2	21.96	-5.26	14.55	<=34.77	Pass	
			3	22.00	-5.26	14.59	<=34.77	Pass	
6			0	21.03	-5.26	13.62	<=34.77	Pass	
707.5		1	0	21.90	-5.26	14.49	<=34.77	Pass	
			2	21.42	-5.26	14.01	<=34.77	Pass	
			5	21.48	-5.26	14.07	<=34.77	Pass	
		3	0	21.56	-5.26	14.15	<=34.77	Pass	
			2	21.70	-5.26	14.29	<=34.77	Pass	
			3	21.65	-5.26	14.24	<=34.77	Pass	
6		0	21.62	-5.26	14.21	<=34.77	Pass		
715.3		1	0	20.86	-5.26	13.45	<=34.77	Pass	
			2	21.89	-5.26	14.48	<=34.77	Pass	
			5	22.07	-5.26	14.66	<=34.77	Pass	
		3	0	21.92	-5.26	14.51	<=34.77	Pass	
			2	21.77	-5.26	14.36	<=34.77	Pass	
			3	21.84	-5.26	14.43	<=34.77	Pass	
		6	0	21.86	-5.26	14.45	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	23.04	-5.26	15.63	<=34.77	Pass
			7	23.17	-5.26	15.76	<=34.77	Pass
			14	22.94	-5.26	15.53	<=34.77	Pass
		8	0	22.03	-5.26	14.62	<=34.77	Pass
			4	22.06	-5.26	14.65	<=34.77	Pass
			7	22.01	-5.26	14.60	<=34.77	Pass
	707.5	15	0	22.06	-5.26	14.65	<=34.77	Pass
			0	23.04	-5.26	15.63	<=34.77	Pass
			7	23.18	-5.26	15.77	<=34.77	Pass
		1	14	23.06	-5.26	15.65	<=34.77	Pass
			0	22.06	-5.26	14.65	<=34.77	Pass
			4	22.11	-5.26	14.70	<=34.77	Pass

		15	7	22.07	-5.26	14.66	<=34.77	Pass
			0	22.08	-5.26	14.67	<=34.77	Pass
			0	23.81	-5.26	16.40	<=34.77	Pass
		1	7	24.01	-5.26	16.60	<=34.77	Pass
			14	23.93	-5.26	16.52	<=34.77	Pass
			0	22.88	-5.26	15.47	<=34.77	Pass
		8	4	22.92	-5.26	15.51	<=34.77	Pass
			7	22.89	-5.26	15.48	<=34.77	Pass
			0	22.87	-5.26	15.46	<=34.77	Pass
		15	0	22.87	-5.26	15.46	<=34.77	Pass
16QAM	700.5	1	0	22.65	-5.26	15.24	<=34.77	Pass
			7	22.79	-5.26	15.38	<=34.77	Pass
			14	22.63	-5.26	15.22	<=34.77	Pass
		8	0	21.27	-5.26	13.86	<=34.77	Pass
			4	21.35	-5.26	13.94	<=34.77	Pass
			7	21.28	-5.26	13.87	<=34.77	Pass
		15	0	21.21	-5.26	13.80	<=34.77	Pass
	707.5	1	0	22.24	-5.26	14.83	<=34.77	Pass
			7	22.38	-5.26	14.97	<=34.77	Pass
			14	22.26	-5.26	14.85	<=34.77	Pass
		8	0	21.14	-5.26	13.73	<=34.77	Pass
			4	21.18	-5.26	13.77	<=34.77	Pass
			7	21.13	-5.26	13.72	<=34.77	Pass
		15	0	21.18	-5.26	13.77	<=34.77	Pass
	714.5	1	0	23.41	-5.26	16.00	<=34.77	Pass
			7	23.56	-5.26	16.15	<=34.77	Pass
			14	23.42	-5.26	16.01	<=34.77	Pass
		8	0	22.03	-5.26	14.62	<=34.77	Pass
			4	22.12	-5.26	14.71	<=34.77	Pass
			7	22.07	-5.26	14.66	<=34.77	Pass
		15	0	21.95	-5.26	14.54	<=34.77	Pass
64QAM	700.5	1	0	21.32	-5.26	13.91	<=34.77	Pass
			7	21.50	-5.26	14.09	<=34.77	Pass
			14	21.30	-5.26	13.89	<=34.77	Pass
		8	0	20.32	-5.26	12.91	<=34.77	Pass
			4	20.31	-5.26	12.90	<=34.77	Pass
			7	20.30	-5.26	12.89	<=34.77	Pass
		15	0	20.18	-5.26	12.77	<=34.77	Pass
	707.5	1	0	21.53	-5.26	14.12	<=34.77	Pass
			7	21.63	-5.26	14.22	<=34.77	Pass
			14	21.42	-5.26	14.01	<=34.77	Pass
		8	0	20.69	-5.26	13.28	<=34.77	Pass
			4	20.72	-5.26	13.31	<=34.77	Pass
			7	20.70	-5.26	13.29	<=34.77	Pass
		15	0	20.71	-5.26	13.30	<=34.77	Pass
	714.5	1	0	22.08	-5.26	14.67	<=34.77	Pass
			7	22.24	-5.26	14.83	<=34.77	Pass
			14	22.17	-5.26	14.76	<=34.77	Pass
		8	0	21.11	-5.26	13.70	<=34.77	Pass
			4	21.16	-5.26	13.75	<=34.77	Pass
			7	21.11	-5.26	13.70	<=34.77	Pass
		15	0	20.98	-5.26	13.57	<=34.77	Pass
256QAM	700.5	1	0	21.43	-5.26	14.02	<=34.77	Pass
			7	21.64	-5.26	14.23	<=34.77	Pass
			14	21.46	-5.26	14.05	<=34.77	Pass
		8	0	20.52	-5.26	13.11	<=34.77	Pass
			4	20.45	-5.26	13.04	<=34.77	Pass
			7	20.43	-5.26	13.02	<=34.77	Pass

	707.5	15	0	20.32	-5.26	12.91	<=34.77	Pass
		1	0	21.63	-5.26	14.22	<=34.77	Pass
			7	21.82	-5.26	14.41	<=34.77	Pass
			14	21.55	-5.26	14.14	<=34.77	Pass
		8	0	20.81	-5.26	13.4	<=34.77	Pass
			4	20.87	-5.26	13.46	<=34.77	Pass
			7	20.88	-5.26	13.47	<=34.77	Pass
		15	0	20.81	-5.26	13.4	<=34.77	Pass
	714.5	1	0	22.26	-5.26	14.85	<=34.77	Pass
			7	22.43	-5.26	15.02	<=34.77	Pass
			14	22.27	-5.26	14.86	<=34.77	Pass
		8	0	21.28	-5.26	13.87	<=34.77	Pass
			4	21.31	-5.26	13.9	<=34.77	Pass
			7	21.26	-5.26	13.85	<=34.77	Pass
		15	0	21.18	-5.26	13.77	<=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	23.45	-5.26	16.04	<=34.77	Pass
			13	23.58	-5.26	16.17	<=34.77	Pass
			24	23.44	-5.26	16.03	<=34.77	Pass
		12	0	22.54	-5.26	15.13	<=34.77	Pass
			6	22.60	-5.26	15.19	<=34.77	Pass
			13	22.58	-5.26	15.17	<=34.77	Pass
		25	0	22.51	-5.26	15.10	<=34.77	Pass
	707.5	1	0	23.35	-5.26	15.94	<=34.77	Pass
			13	23.34	-5.26	15.93	<=34.77	Pass
			24	23.22	-5.26	15.81	<=34.77	Pass
		12	0	22.28	-5.26	14.87	<=34.77	Pass
			6	22.51	-5.26	15.10	<=34.77	Pass
			13	22.44	-5.26	15.03	<=34.77	Pass
		25	0	22.41	-5.26	15.00	<=34.77	Pass
	713.5	1	0	23.58	-5.26	16.17	<=34.77	Pass
			13	23.52	-5.26	16.11	<=34.77	Pass
			24	23.28	-5.26	15.87	<=34.77	Pass
		12	0	22.27	-5.26	14.86	<=34.77	Pass
			6	22.35	-5.26	14.94	<=34.77	Pass
			13	22.30	-5.26	14.89	<=34.77	Pass
		25	0	22.29	-5.26	14.88	<=34.77	Pass
16QAM	701.5	1	0	22.28	-5.26	14.87	<=34.77	Pass
			13	22.44	-5.26	15.03	<=34.77	Pass
			24	22.30	-5.26	14.89	<=34.77	Pass
		12	0	21.57	-5.26	14.16	<=34.77	Pass
			6	21.55	-5.26	14.14	<=34.77	Pass
			13	21.52	-5.26	14.11	<=34.77	Pass
		25	0	21.58	-5.26	14.17	<=34.77	Pass
	707.5	1	0	22.40	-5.26	14.99	<=34.77	Pass
			13	22.64	-5.26	15.23	<=34.77	Pass
			24	22.44	-5.26	15.03	<=34.77	Pass
		12	0	21.52	-5.26	14.11	<=34.77	Pass
			6	21.64	-5.26	14.23	<=34.77	Pass
			13	21.60	-5.26	14.19	<=34.77	Pass

		25	0	21.52	-5.26	14.11	<=34.77	Pass		
	713.5	1	0	22.21	-5.26	14.80	<=34.77	Pass		
			13	22.45	-5.26	15.04	<=34.77	Pass		
			24	22.42	-5.26	15.01	<=34.77	Pass		
			0	21.34	-5.26	13.93	<=34.77	Pass		
		12	6	21.41	-5.26	14.00	<=34.77	Pass		
			13	21.36	-5.26	13.95	<=34.77	Pass		
			25	0	21.43	-5.26	14.02	<=34.77	Pass	
64QAM	701.5	1	0	21.41	-5.26	14.00	<=34.77	Pass		
			13	21.49	-5.26	14.08	<=34.77	Pass		
			24	21.36	-5.26	13.95	<=34.77	Pass		
		12	0	20.52	-5.26	13.11	<=34.77	Pass		
			6	20.61	-5.26	13.20	<=34.77	Pass		
			13	20.54	-5.26	13.13	<=34.77	Pass		
		25	0	20.65	-5.26	13.24	<=34.77	Pass		
		707.5	1	0	21.53	-5.26	14.12	<=34.77	Pass	
				13	21.75	-5.26	14.34	<=34.77	Pass	
				24	21.63	-5.26	14.22	<=34.77	Pass	
	12		0	20.57	-5.26	13.16	<=34.77	Pass		
			6	20.67	-5.26	13.26	<=34.77	Pass		
			13	20.57	-5.26	13.16	<=34.77	Pass		
	25		0	20.67	-5.26	13.26	<=34.77	Pass		
	713.5	1	0	21.35	-5.26	13.94	<=34.77	Pass		
			13	21.61	-5.26	14.20	<=34.77	Pass		
			24	21.52	-5.26	14.11	<=34.77	Pass		
		12	0	20.45	-5.26	13.04	<=34.77	Pass		
			6	20.55	-5.26	13.14	<=34.77	Pass		
			13	20.48	-5.26	13.07	<=34.77	Pass		
		25	0	20.37	-5.26	12.96	<=34.77	Pass		
		256QAM	701.5	1	0	21.51	-5.26	14.1	<=34.77	Pass
	13				21.67	-5.26	14.26	<=34.77	Pass	
	24				21.48	-5.26	14.07	<=34.77	Pass	
	12			0	20.70	-5.26	13.29	<=34.77	Pass	
				6	20.77	-5.26	13.36	<=34.77	Pass	
				13	20.72	-5.26	13.31	<=34.77	Pass	
	25			0	20.85	-5.26	13.44	<=34.77	Pass	
	707.5			1	0	21.70	-5.26	14.29	<=34.77	Pass
					13	21.91	-5.26	14.5	<=34.77	Pass
			24		21.74	-5.26	14.33	<=34.77	Pass	
12			0	20.71	-5.26	13.3	<=34.77	Pass		
			6	20.77	-5.26	13.36	<=34.77	Pass		
			13	20.72	-5.26	13.31	<=34.77	Pass		
25	0		20.79	-5.26	13.38	<=34.77	Pass			
713.5	1		0	21.47	-5.26	14.06	<=34.77	Pass		
			13	21.73	-5.26	14.32	<=34.77	Pass		
			24	21.64	-5.26	14.23	<=34.77	Pass		
	12		0	20.56	-5.26	13.15	<=34.77	Pass		
			6	20.73	-5.26	13.32	<=34.77	Pass		
			13	20.66	-5.26	13.25	<=34.77	Pass		
	25		0	20.48	-5.26	13.07	<=34.77	Pass		
	Note1: ERP=Conducted Power+Antenna Gain-2.15									

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B12_10MHz_ERP

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	22.97	-5.26	15.56	<=34.77	Pass
			25	23.16	-5.26	15.75	<=34.77	Pass
			49	23.02	-5.26	15.61	<=34.77	Pass
		25	0	22.05	-5.26	14.64	<=34.77	Pass
			13	22.07	-5.26	14.66	<=34.77	Pass
			25	22.07	-5.26	14.66	<=34.77	Pass
		50	0	22.11	-5.26	14.70	<=34.77	Pass
	707.5	1	0	22.97	-5.26	15.56	<=34.77	Pass
			25	23.17	-5.26	15.76	<=34.77	Pass
			49	23.15	-5.26	15.74	<=34.77	Pass
		25	0	21.94	-5.26	14.53	<=34.77	Pass
			13	22.06	-5.26	14.65	<=34.77	Pass
			25	22.04	-5.26	14.63	<=34.77	Pass
		50	0	22.01	-5.26	14.60	<=34.77	Pass
	711	1	0	23.05	-5.26	15.64	<=34.77	Pass
			25	23.39	-5.26	15.98	<=34.77	Pass
			49	23.36	-5.26	15.95	<=34.77	Pass
		25	0	22.21	-5.26	14.80	<=34.77	Pass
			13	22.26	-5.26	14.85	<=34.77	Pass
			25	22.23	-5.26	14.82	<=34.77	Pass
		50	0	22.24	-5.26	14.83	<=34.77	Pass
16QAM	704	1	0	22.59	-5.26	15.18	<=34.77	Pass
			25	22.75	-5.26	15.34	<=34.77	Pass
			49	22.58	-5.26	15.17	<=34.77	Pass
		25	0	21.12	-5.26	13.71	<=34.77	Pass
			13	21.20	-5.26	13.79	<=34.77	Pass
			25	21.24	-5.26	13.83	<=34.77	Pass
		50	0	21.18	-5.26	13.77	<=34.77	Pass
	707.5	1	0	22.16	-5.26	14.75	<=34.77	Pass
			25	22.36	-5.26	14.95	<=34.77	Pass
			49	22.35	-5.26	14.94	<=34.77	Pass
		25	0	21.07	-5.26	13.66	<=34.77	Pass
			13	21.17	-5.26	13.76	<=34.77	Pass
			25	21.19	-5.26	13.78	<=34.77	Pass
		50	0	21.09	-5.26	13.68	<=34.77	Pass
	711	1	0	22.07	-5.26	14.66	<=34.77	Pass
			25	22.38	-5.26	14.97	<=34.77	Pass
			49	22.37	-5.26	14.96	<=34.77	Pass
		25	0	21.40	-5.26	13.99	<=34.77	Pass
			13	21.42	-5.26	14.01	<=34.77	Pass
			25	21.40	-5.26	13.99	<=34.77	Pass
		50	0	21.36	-5.26	13.95	<=34.77	Pass
64QAM	704	1	0	21.30	-5.26	13.89	<=34.77	Pass
			25	21.49	-5.26	14.08	<=34.77	Pass
			49	21.34	-5.26	13.93	<=34.77	Pass
		25	0	20.17	-5.26	12.76	<=34.77	Pass
			13	20.19	-5.26	12.78	<=34.77	Pass
			25	20.25	-5.26	12.84	<=34.77	Pass
		50	0	20.21	-5.26	12.80	<=34.77	Pass
	707.5	1	0	21.14	-5.26	13.73	<=34.77	Pass
			25	21.32	-5.26	13.91	<=34.77	Pass
			49	21.35	-5.26	13.94	<=34.77	Pass
		25	0	20.14	-5.26	12.73	<=34.77	Pass
			13	20.28	-5.26	12.87	<=34.77	Pass
			25	20.25	-5.26	12.84	<=34.77	Pass
		50	0	20.35	-5.26	12.94	<=34.77	Pass

	711	1	0	20.99	-5.26	13.58	<=34.77	Pass		
			25	21.27	-5.26	13.86	<=34.77	Pass		
			49	21.28	-5.26	13.87	<=34.77	Pass		
		25	0	20.39	-5.26	12.98	<=34.77	Pass		
			13	20.44	-5.26	13.03	<=34.77	Pass		
			25	20.44	-5.26	13.03	<=34.77	Pass		
		50	0	20.43	-5.26	13.02	<=34.77	Pass		
		256QAM	704	1	0	21.46	-5.26	14.05	<=34.77	Pass
					25	21.61	-5.26	14.2	<=34.77	Pass
49	21.53				-5.26	14.12	<=34.77	Pass		
25	0			20.28	-5.26	12.87	<=34.77	Pass		
	13			20.34	-5.26	12.93	<=34.77	Pass		
	25			20.38	-5.26	12.97	<=34.77	Pass		
50	0			20.33	-5.26	12.92	<=34.77	Pass		
707.5	1			0	21.32	-5.26	13.91	<=34.77	Pass	
				25	21.51	-5.26	14.1	<=34.77	Pass	
			49	21.52	-5.26	14.11	<=34.77	Pass		
	25		0	20.30	-5.26	12.89	<=34.77	Pass		
			13	20.39	-5.26	12.98	<=34.77	Pass		
			25	20.40	-5.26	12.99	<=34.77	Pass		
	50		0	20.52	-5.26	13.11	<=34.77	Pass		
	711		1	0	21.10	-5.26	13.69	<=34.77	Pass	
				25	21.47	-5.26	14.06	<=34.77	Pass	
49				21.42	-5.26	14.01	<=34.77	Pass		
25			0	20.56	-5.26	13.15	<=34.77	Pass		
		13	20.63	-5.26	13.22	<=34.77	Pass			
		25	20.58	-5.26	13.17	<=34.77	Pass			
50		0	20.61	-5.26	13.2	<=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	3.27	-8.855	-0.0125	-2.5 to 2.5	Pass
					3.85	-5.565	-0.0079	-2.5 to 2.5	Pass
					4.43	-4.921	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-8.941	-0.0126	-2.5 to 2.5	Pass
				-20	3.85	-3.605	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-4.964	-0.0070	-2.5 to 2.5	Pass
				0	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				10	3.85	-1.159	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-2.074	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-2.160	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-1.316	-0.0019	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

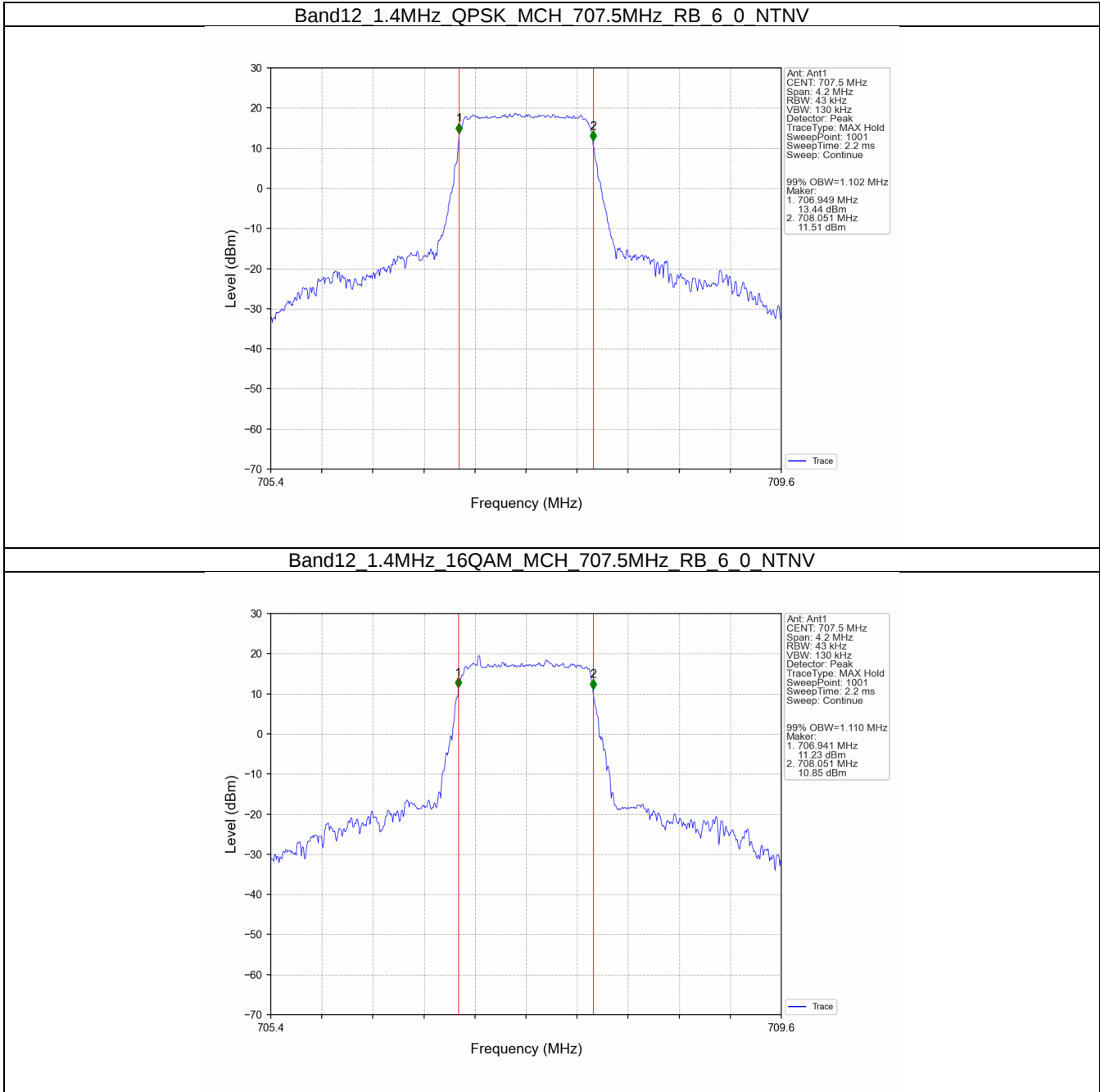
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.102	/	Pass
	16QAM	707.5	6	0	1.110	/	Pass
3	QPSK	707.5	15	0	2.719	/	Pass
	16QAM	707.5	15	0	2.716	/	Pass
5	QPSK	707.5	25	0	4.567	/	Pass
	16QAM	707.5	25	0	4.550	/	Pass
10	QPSK	707.5	50	0	9.050	/	Pass
	16QAM	707.5	50	0	9.066	/	Pass

3.1.2 Band12_XDB

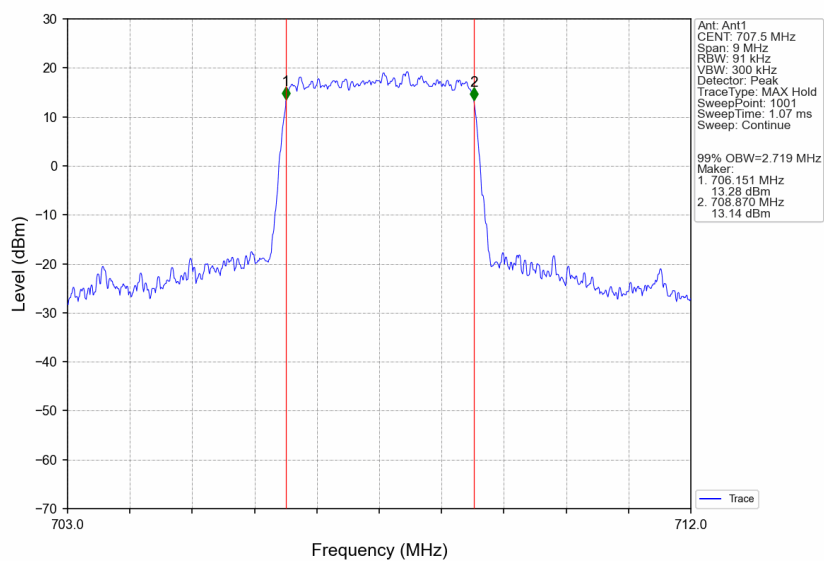
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	707.5	6	0	1.320	/	Pass
	16QAM	707.5	6	0	1.323	/	Pass
3	QPSK	707.5	15	0	2.990	/	Pass
	16QAM	707.5	15	0	2.993	/	Pass
5	QPSK	707.5	25	0	5.200	/	Pass
	16QAM	707.5	25	0	5.215	/	Pass
10	QPSK	707.5	50	0	10.272	/	Pass
	16QAM	707.5	50	0	10.259	/	Pass

3.2 Test Graph

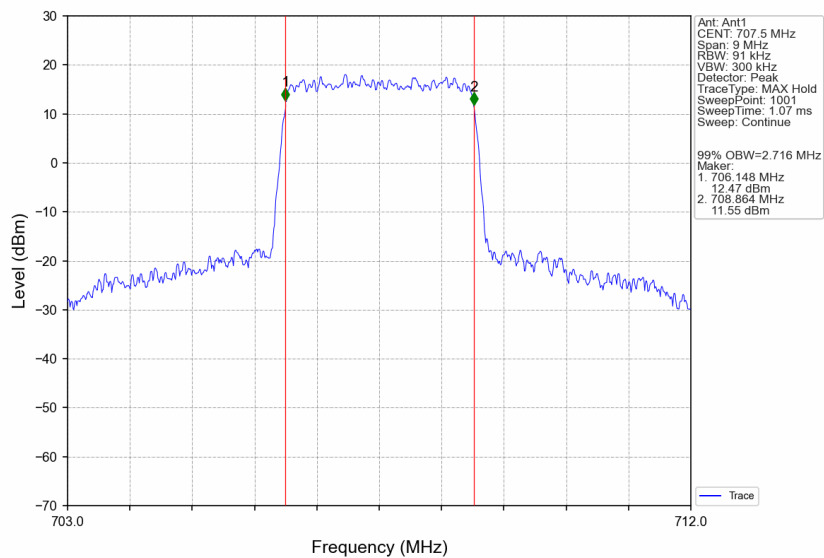
3.2.1 Band12_OBW



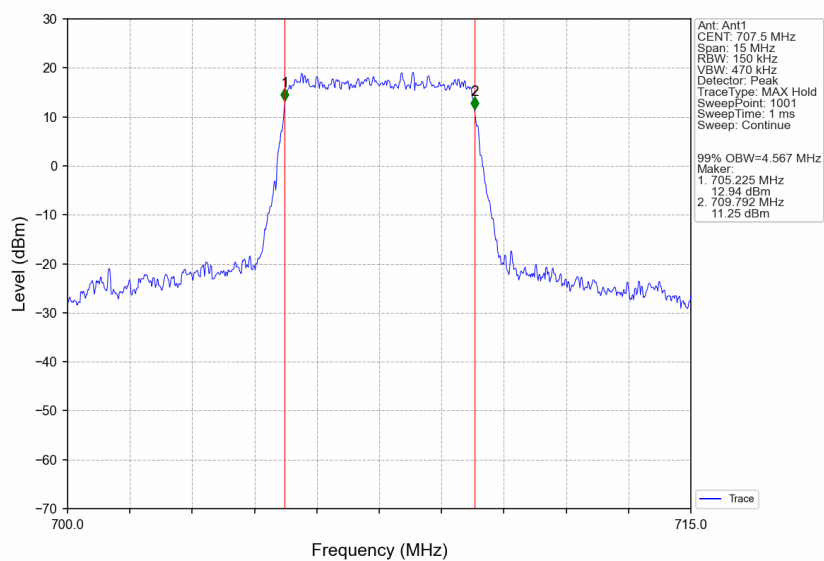
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



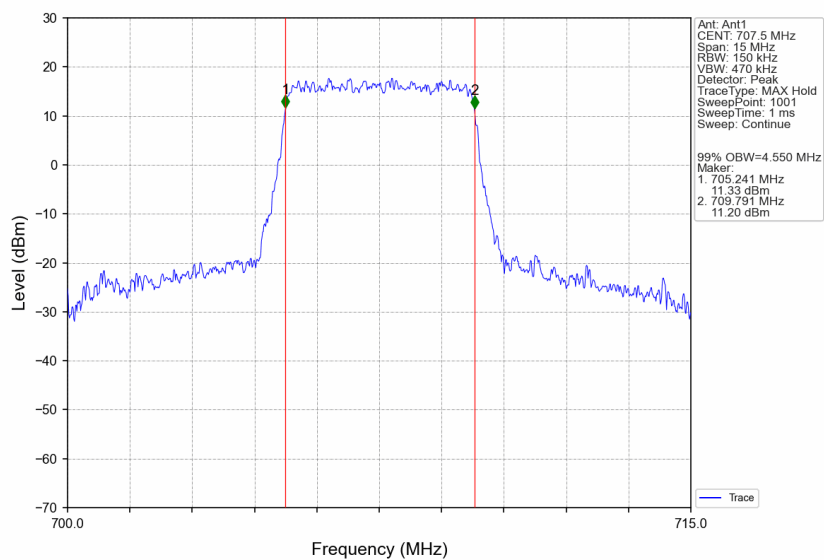
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

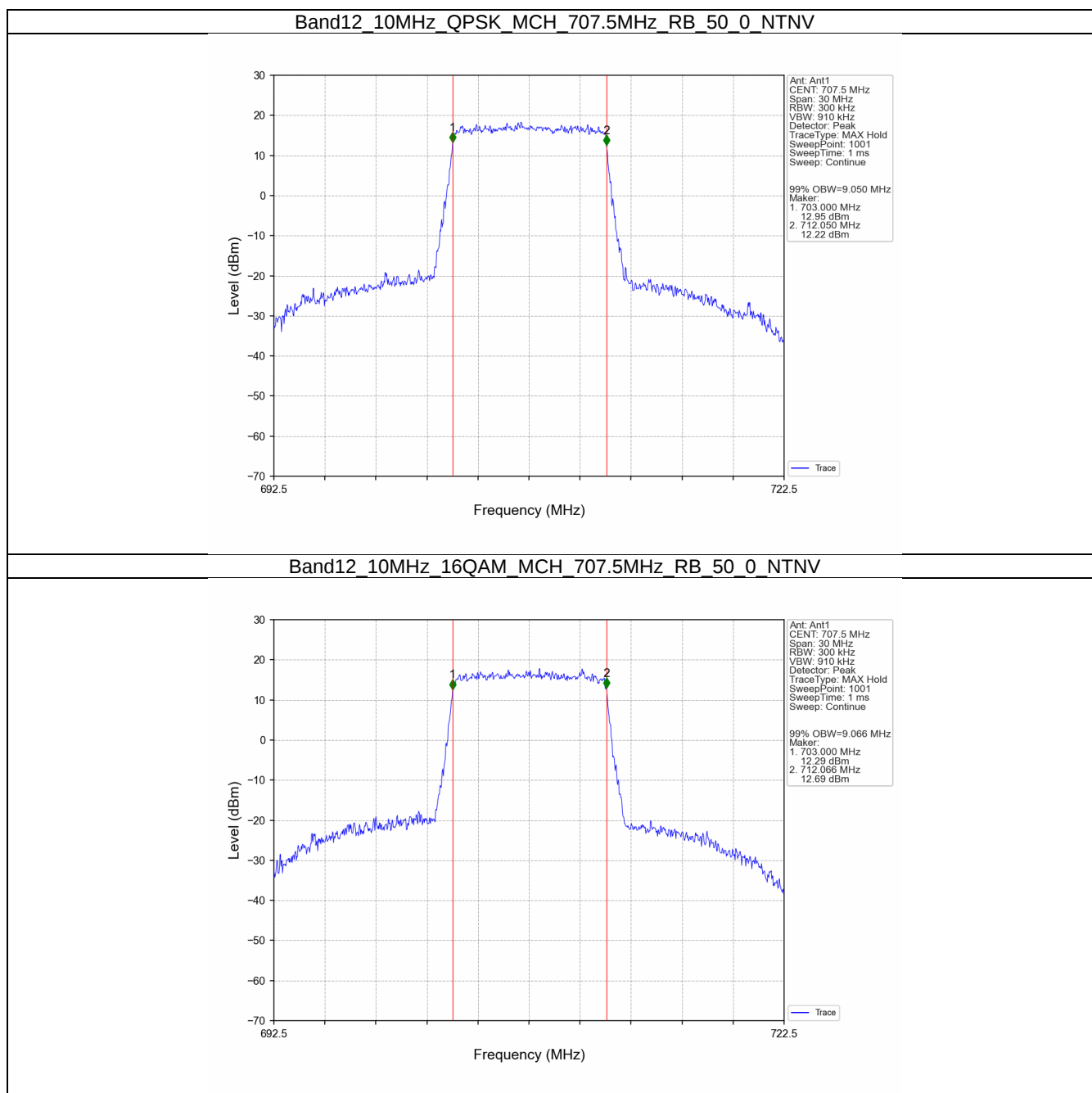


Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV

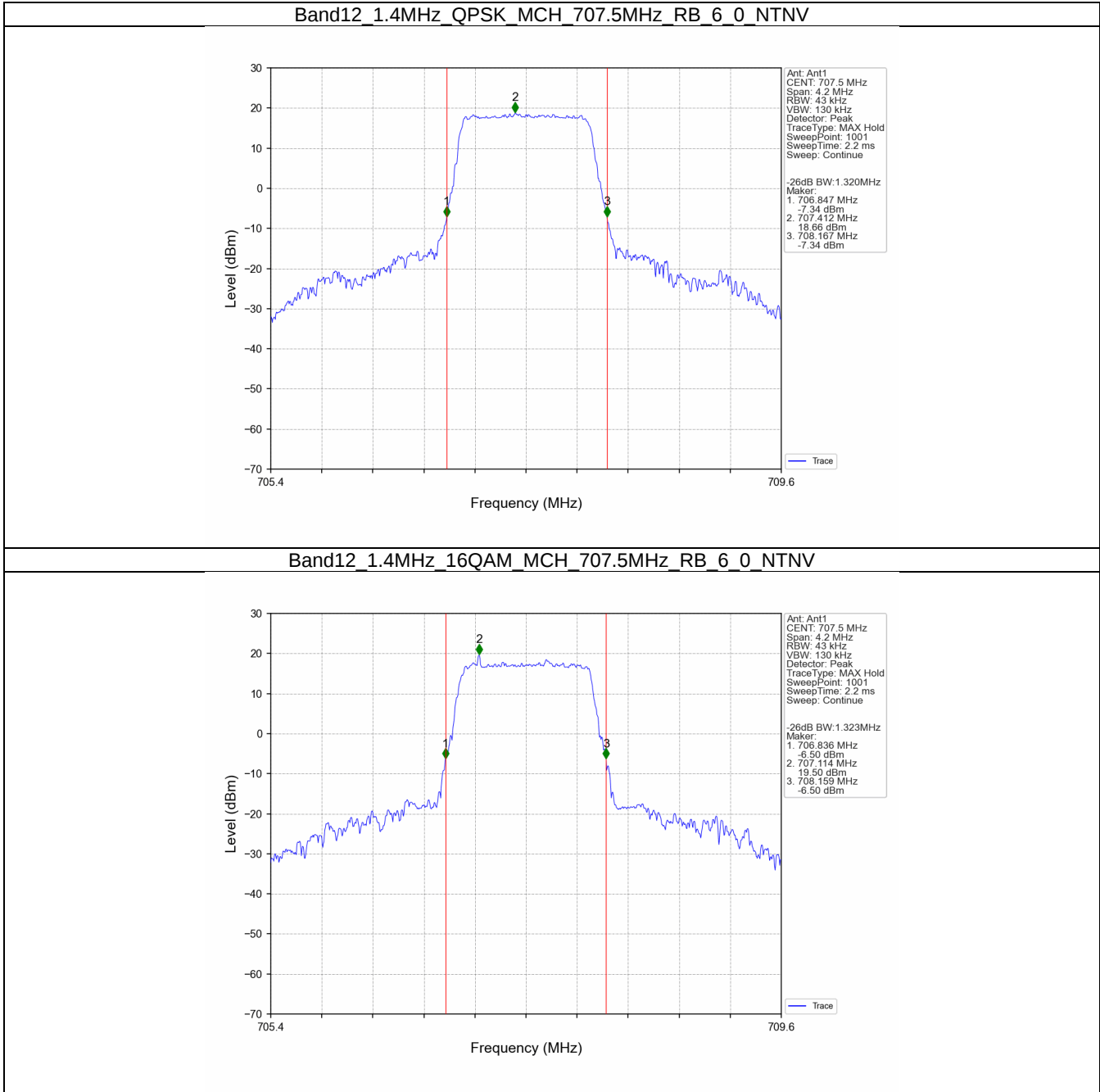


Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV

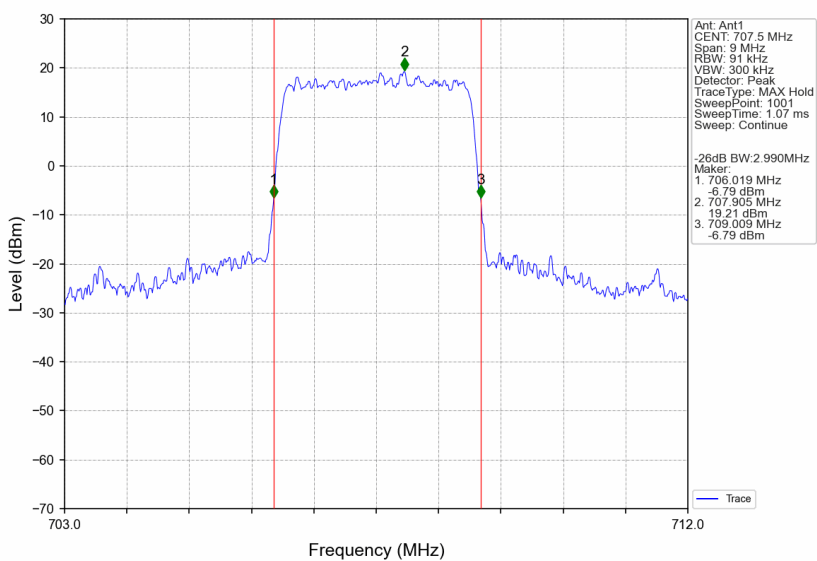




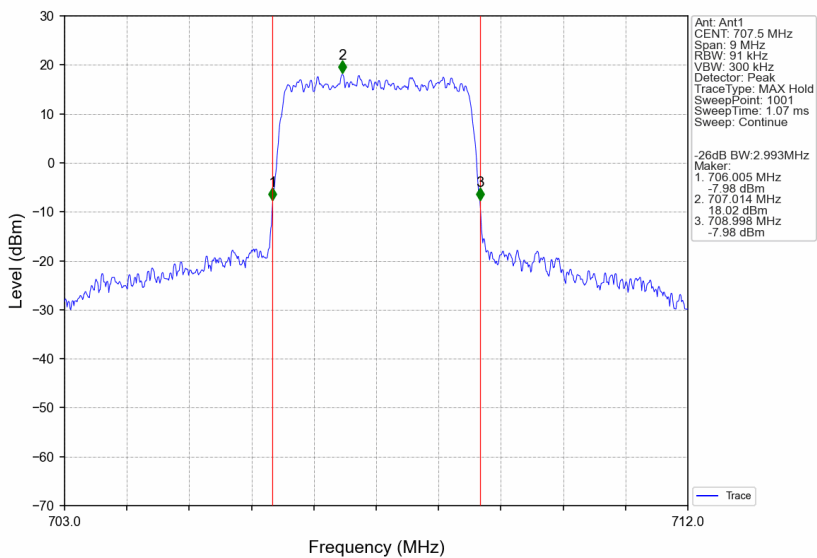
3.2.2 Band12_XDB

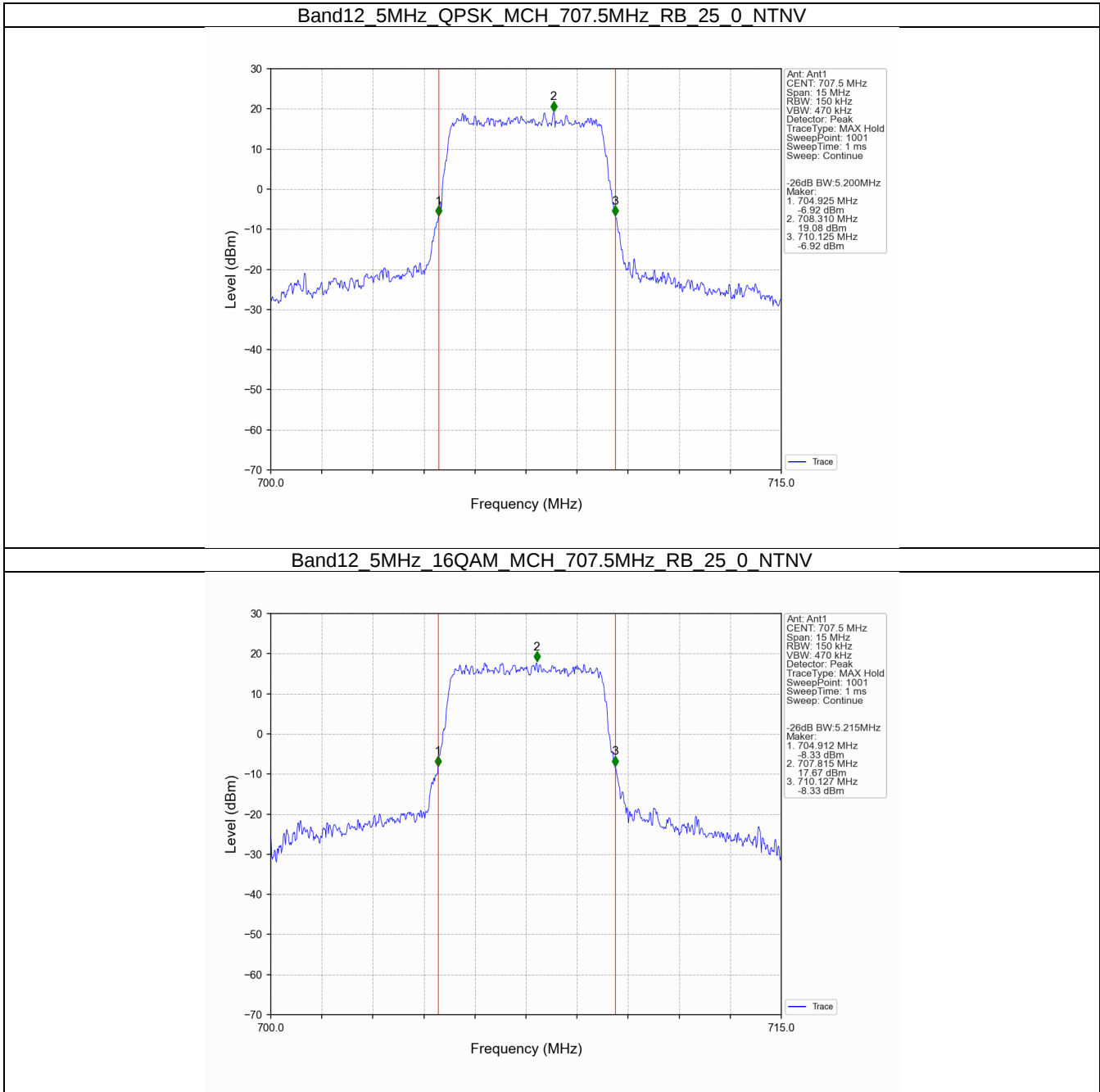


Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV

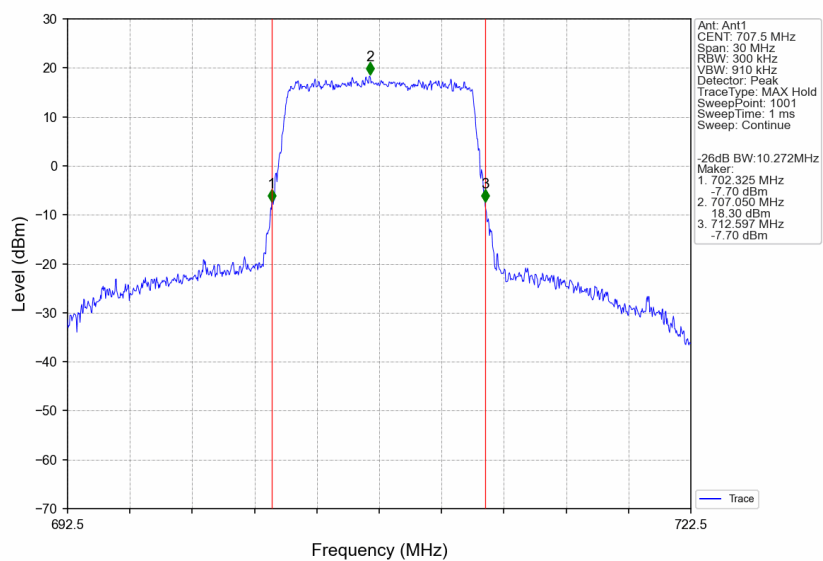


Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

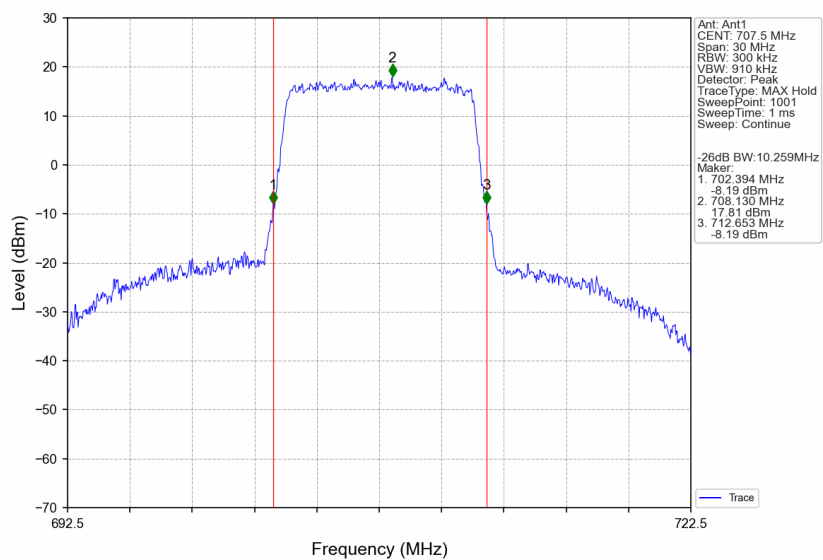




Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

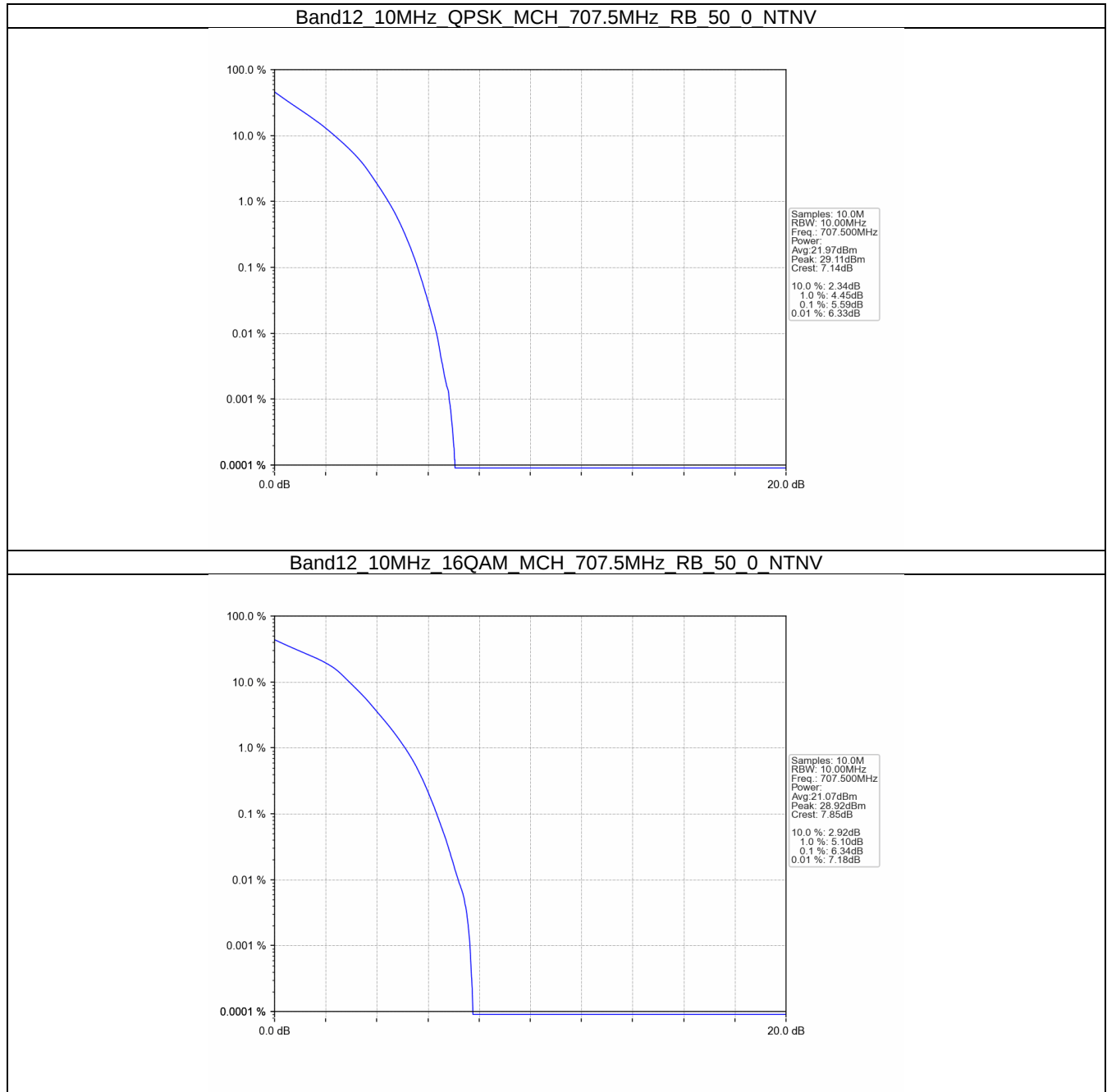
4.1 Test Result

4.1.1 B12_10MHz

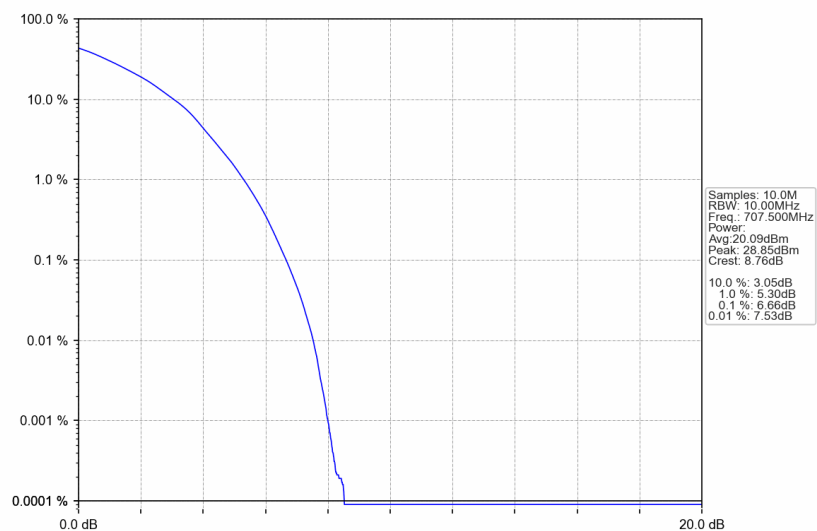
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	5.59	<=13	Pass
16QAM	707.5	50	0	6.34	<=13	Pass
64QAM	707.5	50	0	6.66	<=13	Pass
256QAM	707.5	50	0	10.52	<=13	Pass

4.2 Test Graph

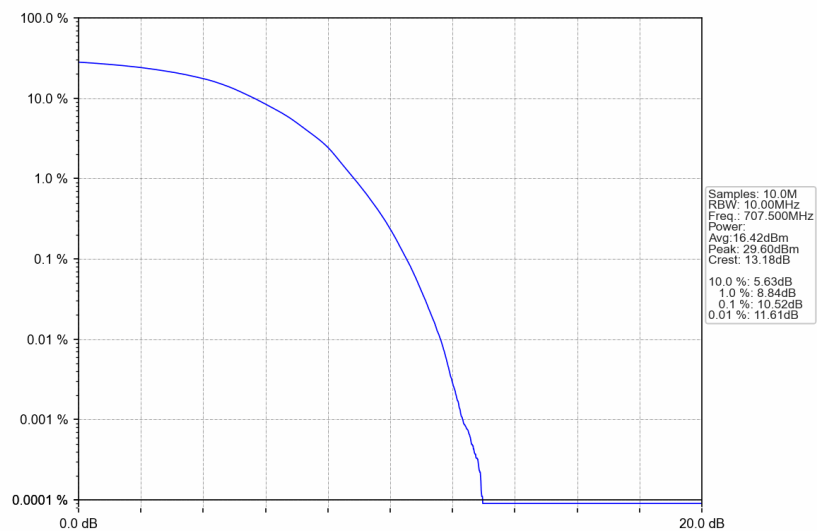
4.2.1 B12_10MHz



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_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	
			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 / 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

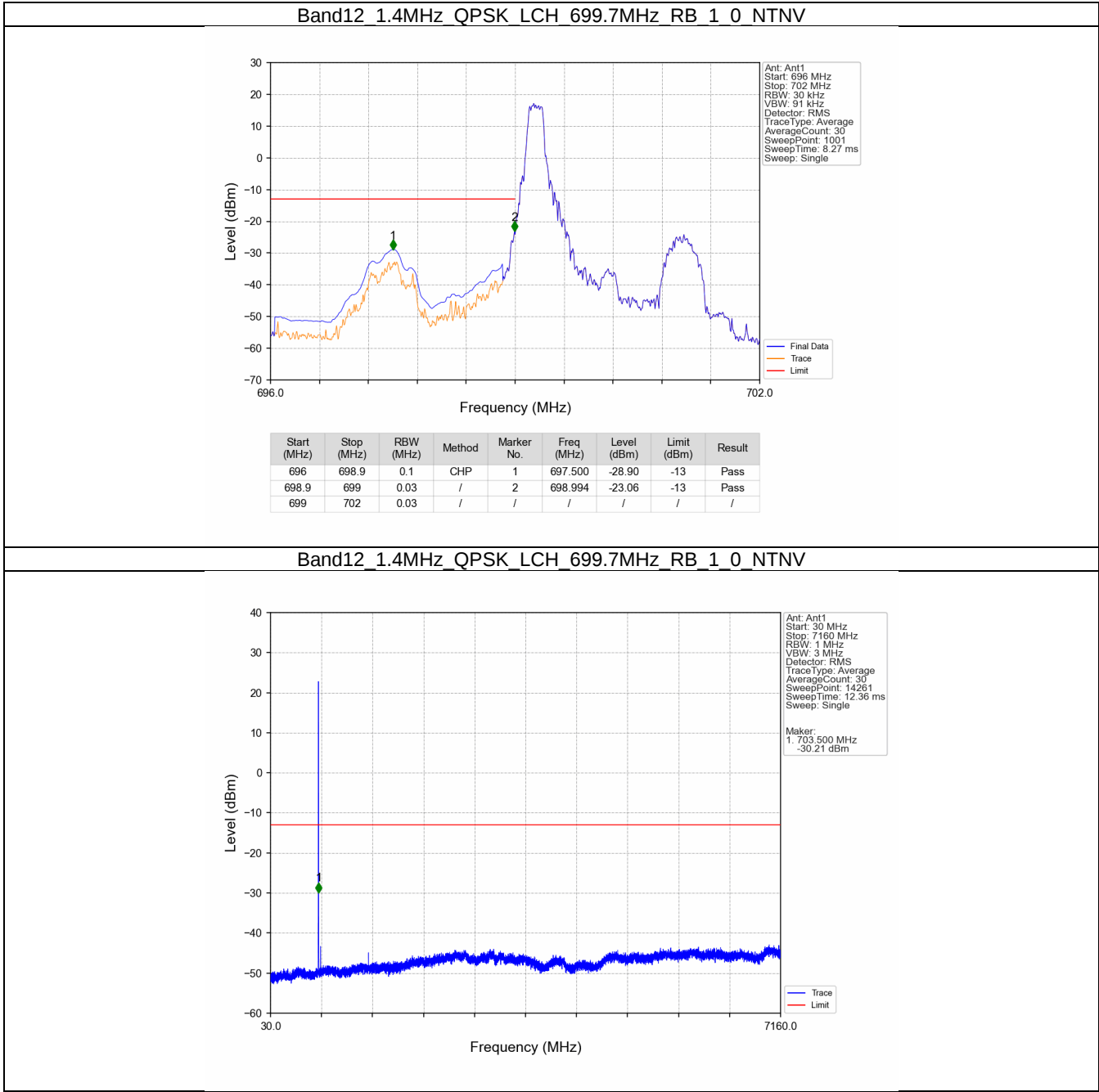
5.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / 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

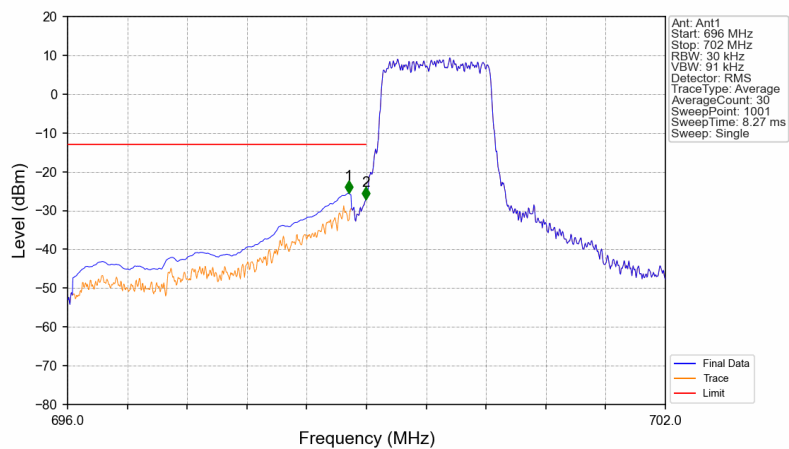
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

5.2 Test Graph

5.2.1 B12_1.4MHz

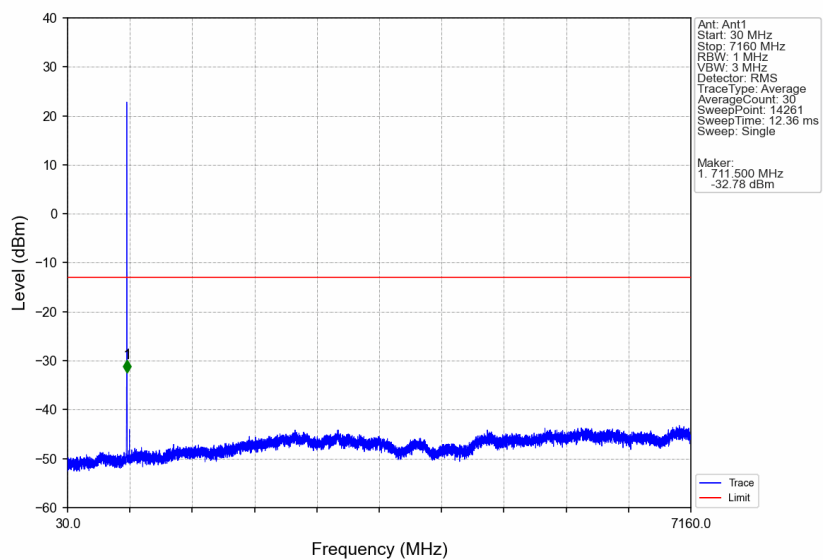


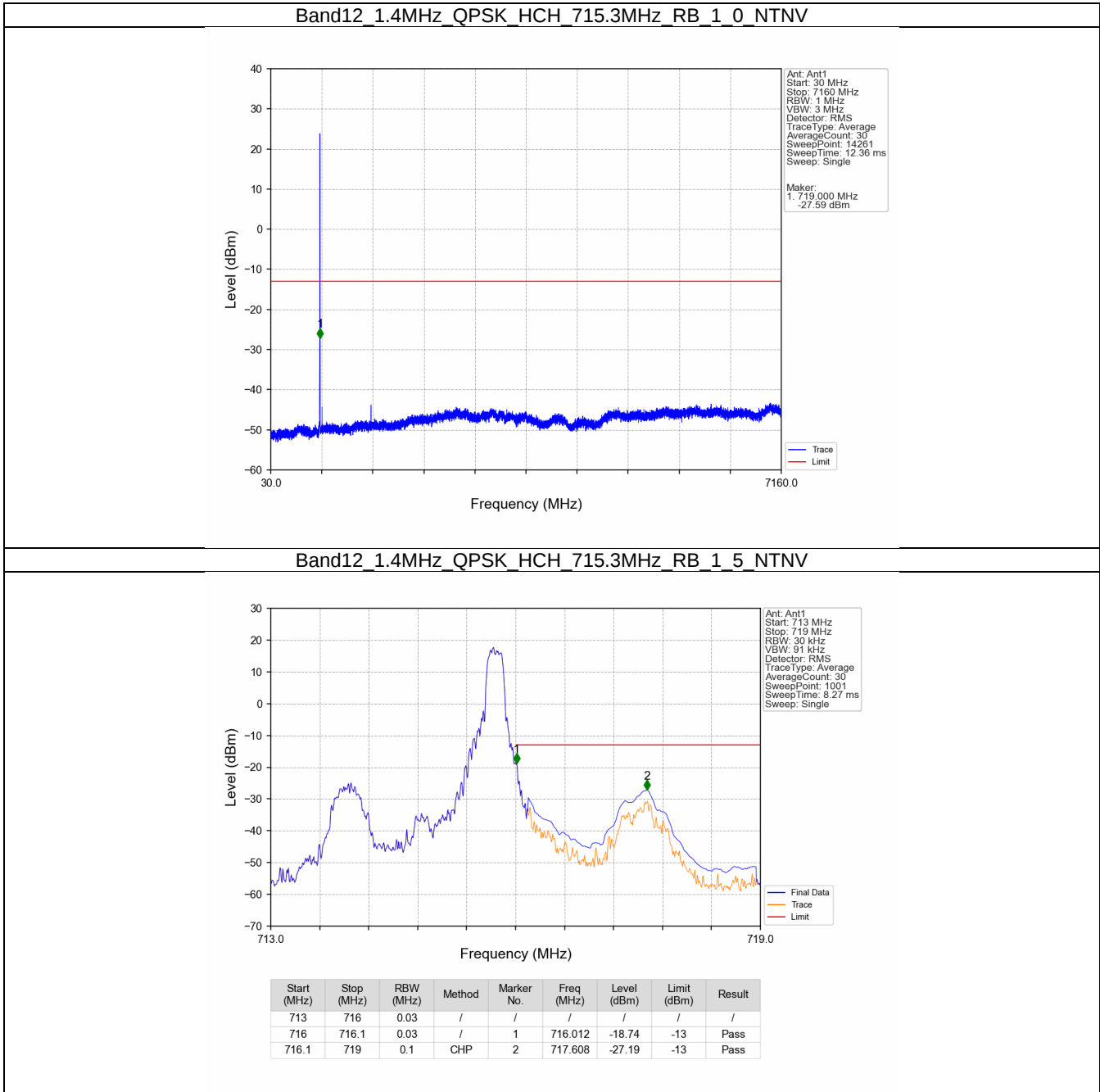
Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTNV

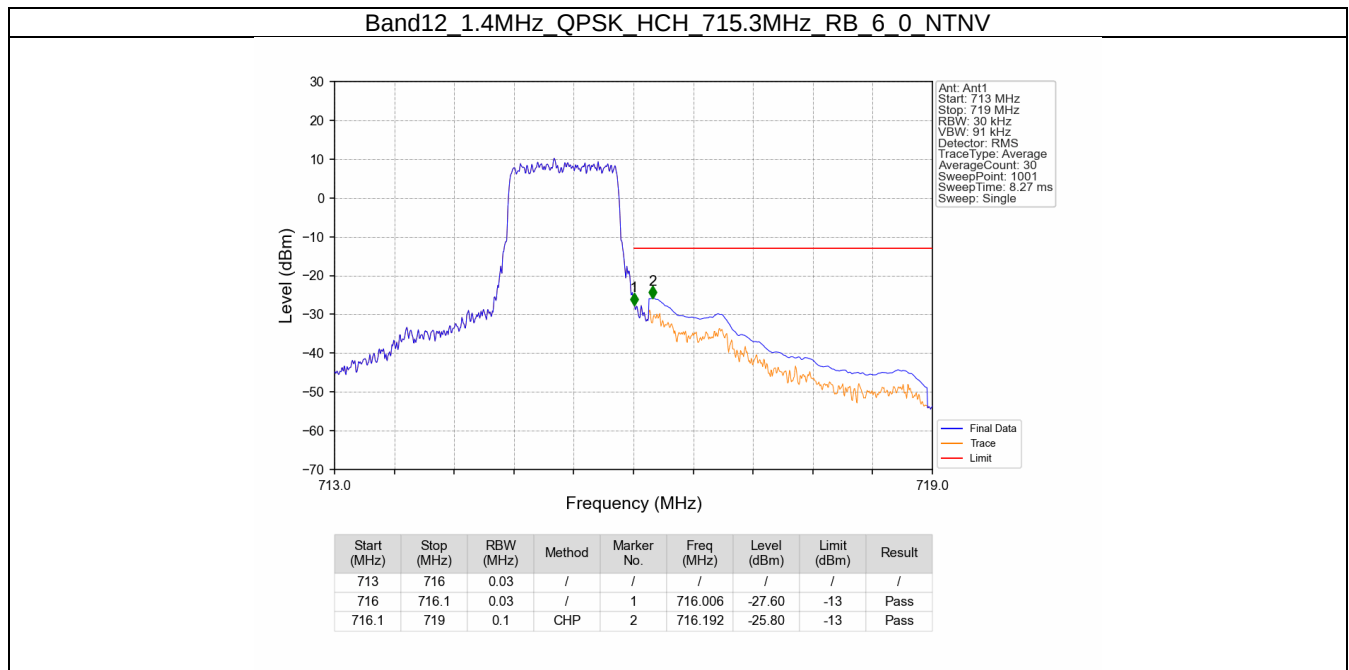


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	699.9	0.1	CHP	1	698.820	-25.56	-13	Pass
698.9	699	0.03	/	2	698.994	-27.17	-13	Pass
699	702	0.03	/	/	/	/	/	/

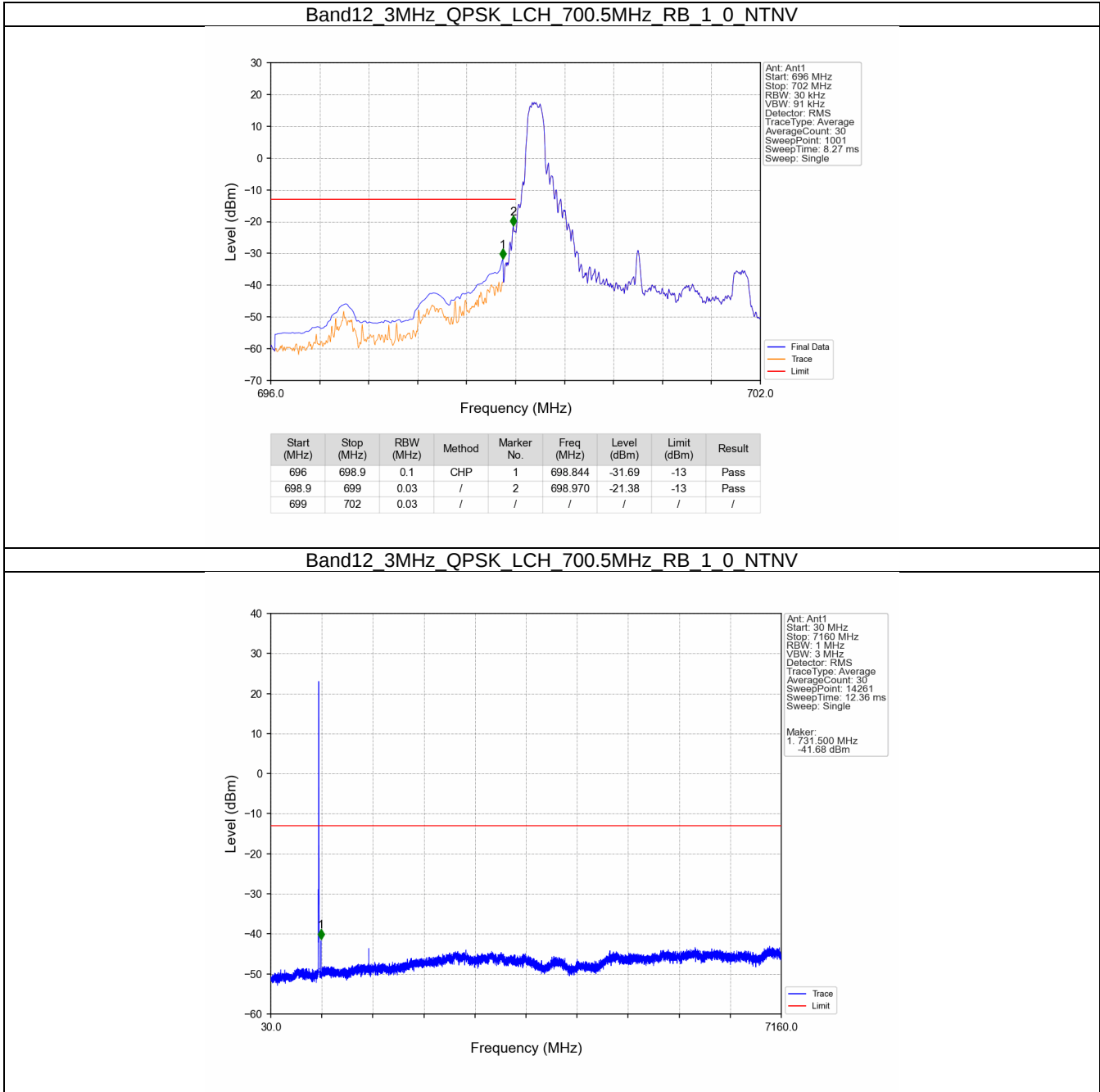
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



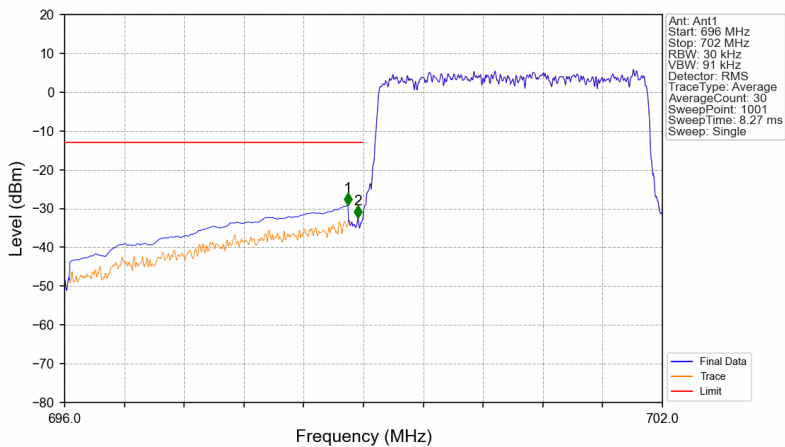




5.2.2 B12_3MHz

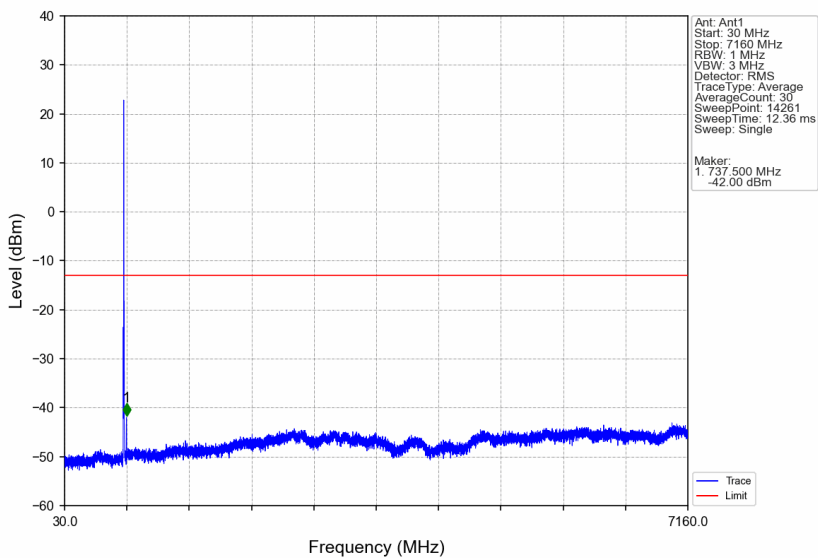


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

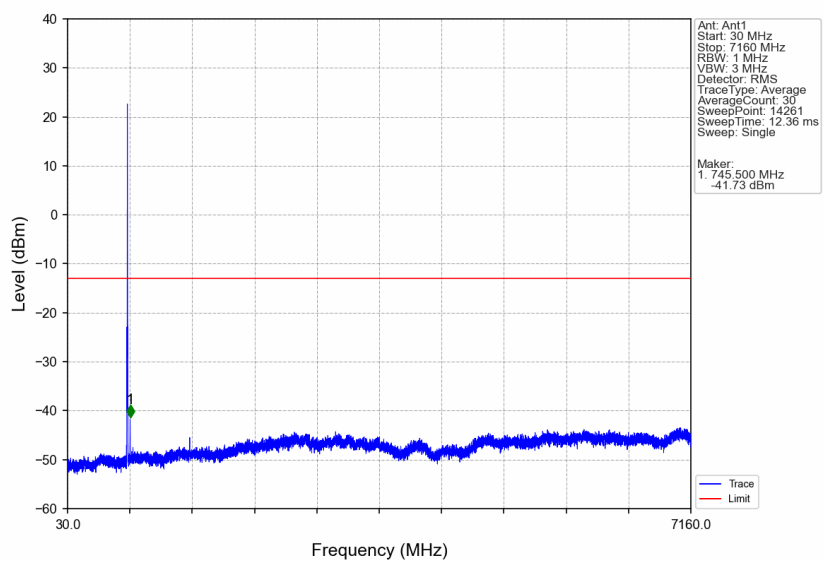


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-29.18	-13	Pass
698.9	699	0.03	/	2	698.946	-32.34	-13	Pass
699	702	0.03	/	/	/	/	/	/

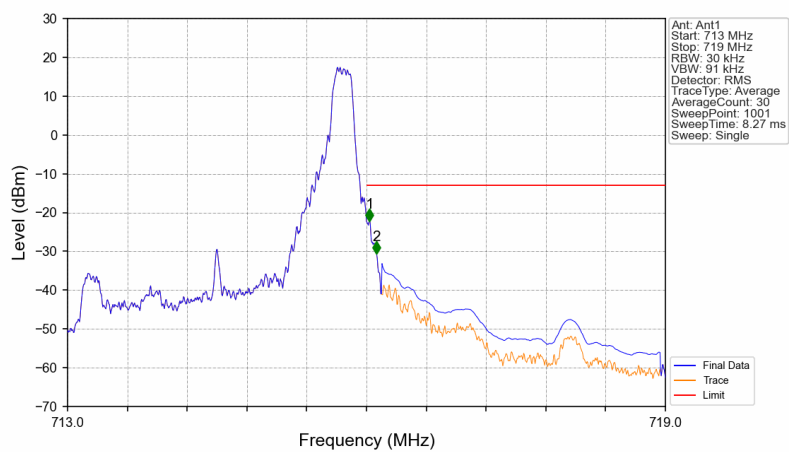
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

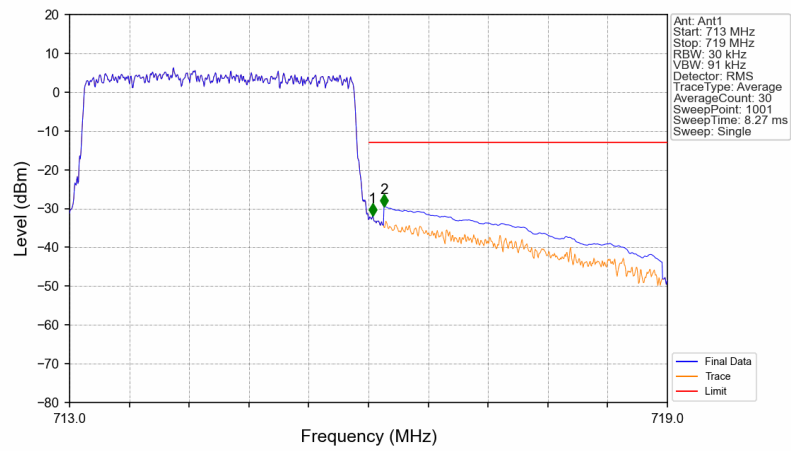


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



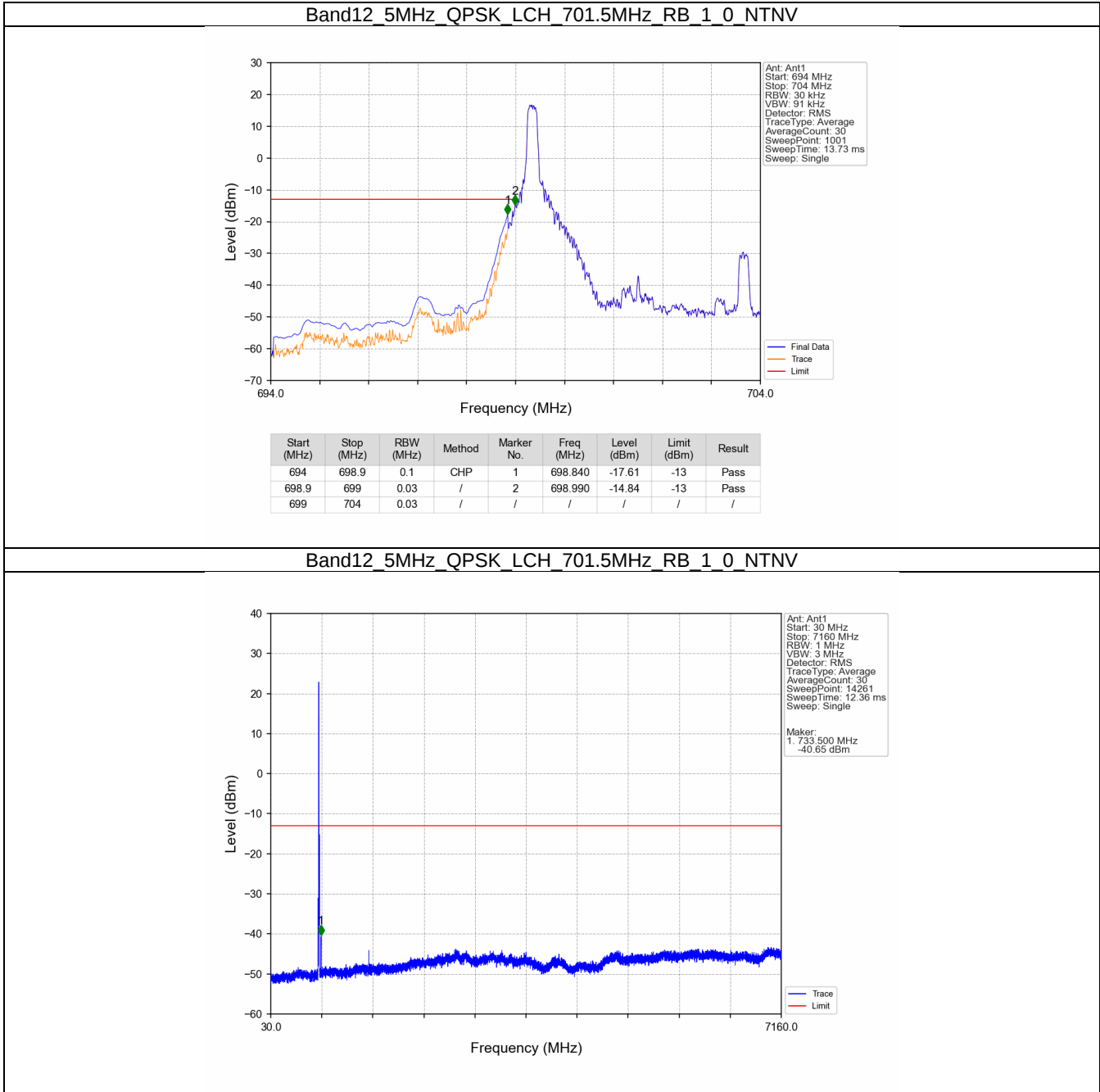
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-22.15	-13	Pass
716.1	719	0.1	CHP	2	716.102	-30.64	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV

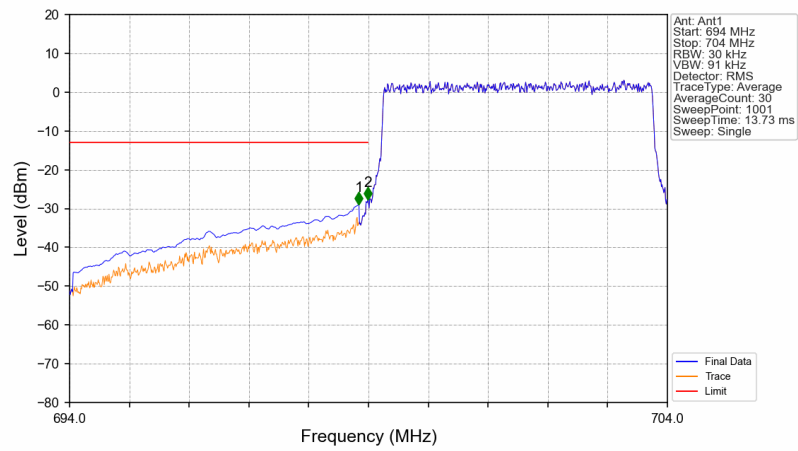


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.042	-31.84	-13	Pass
716.1	719	0.1	CHP	2	716.156	-29.42	-13	Pass

5.2.3 B12_5MHz

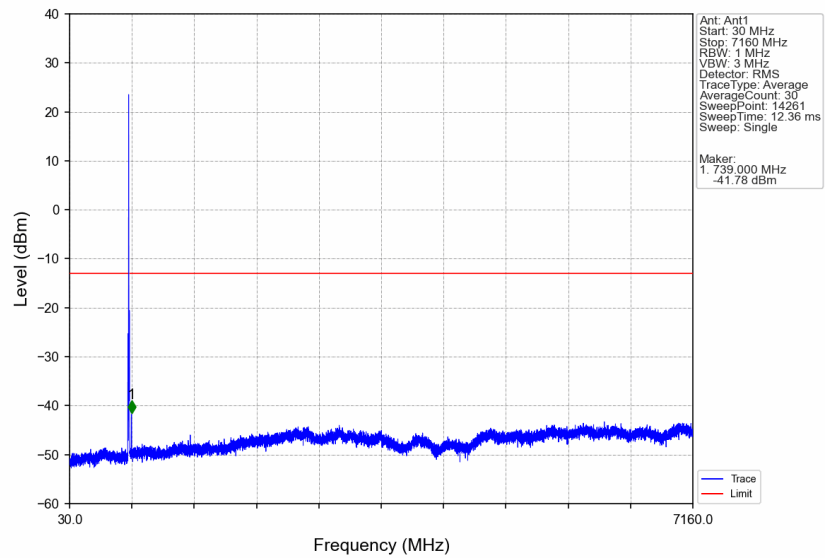


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

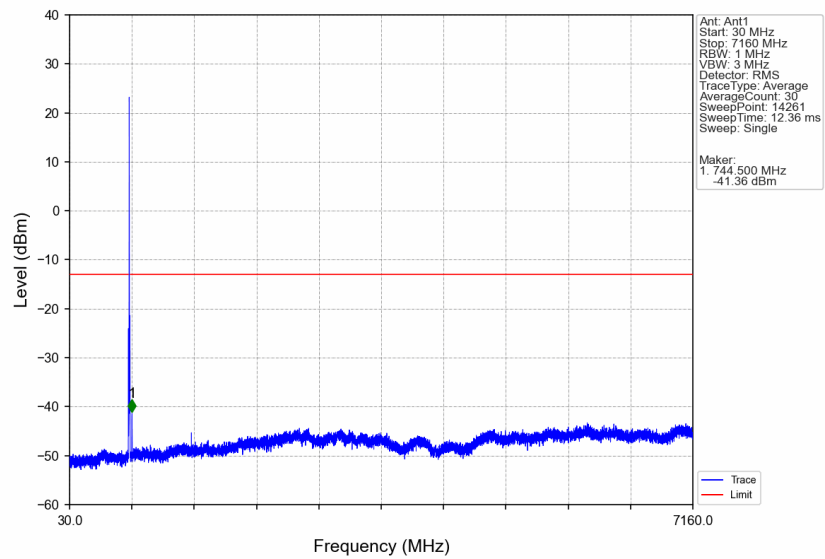


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-28.90	-13	Pass
698.9	699	0.03	/	2	698.990	-27.72	-13	Pass
699	704	0.03	/	/	/	/	/	/

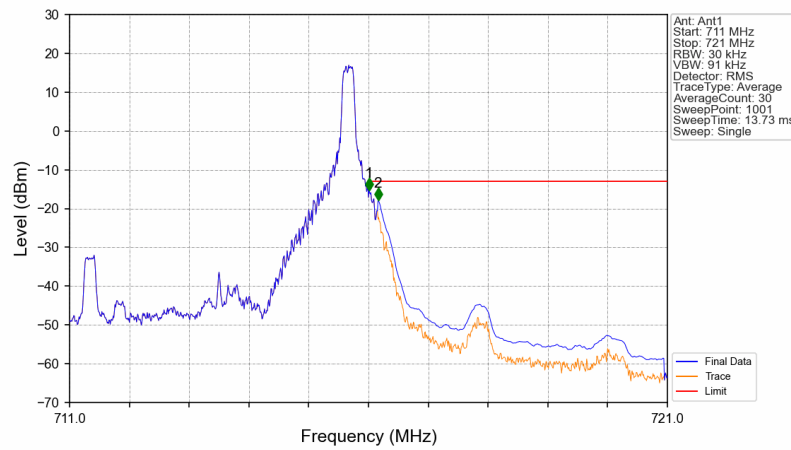
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

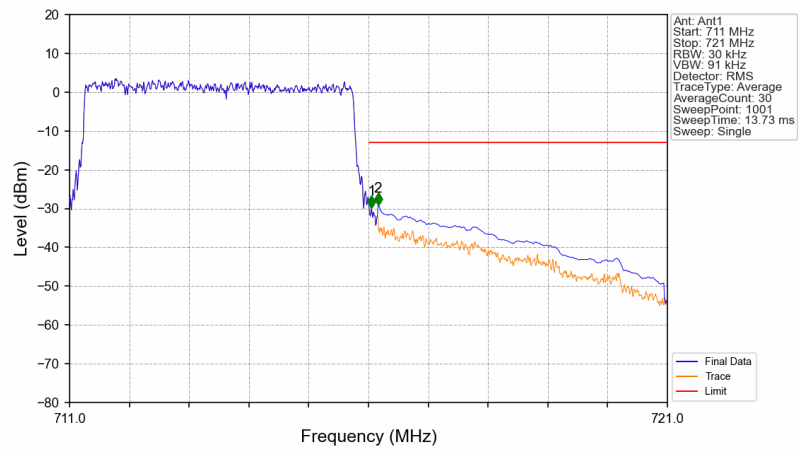


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



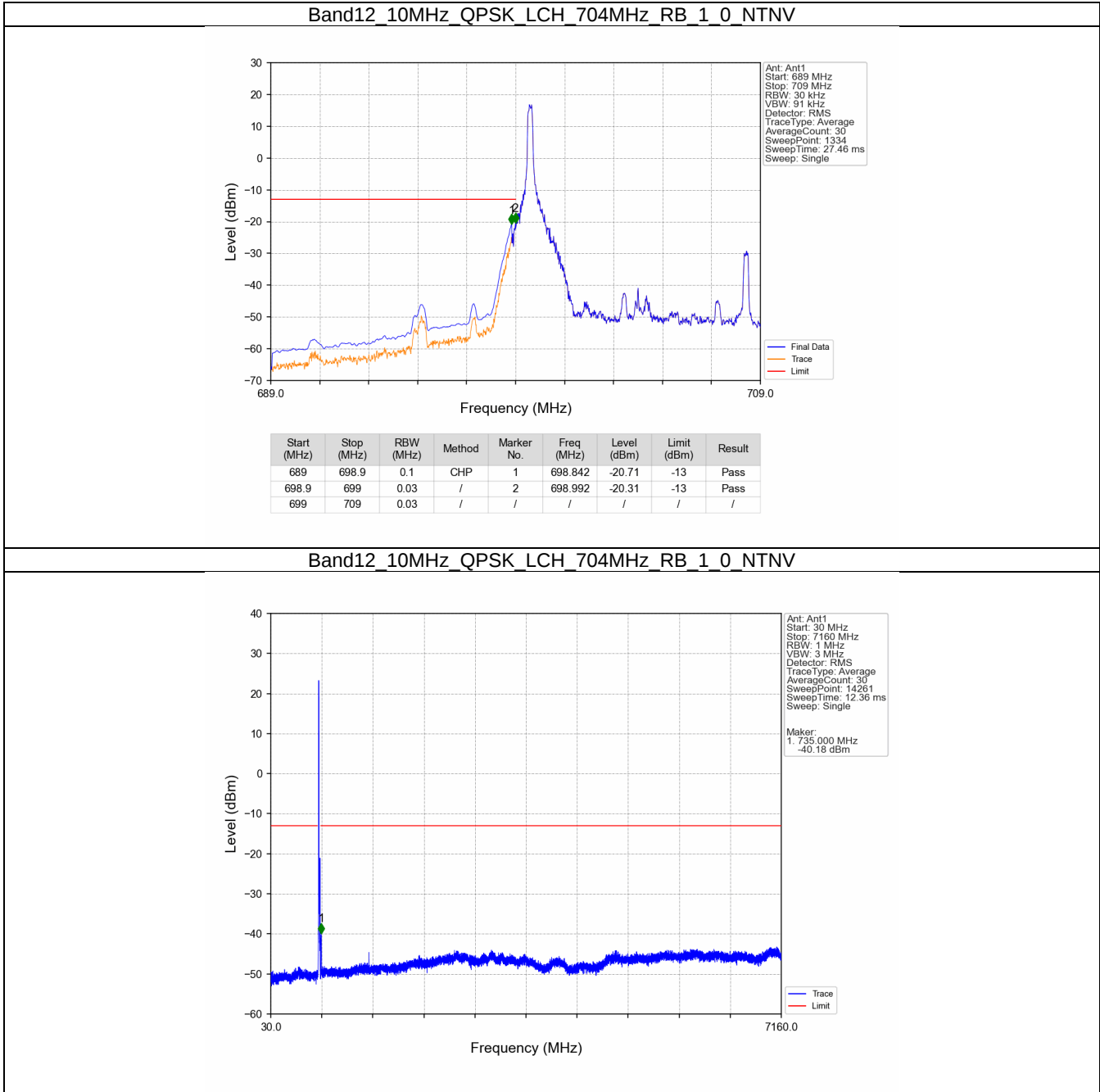
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-15.23	-13	Pass
716.1	721	0.1	CHP	2	716.160	-17.86	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

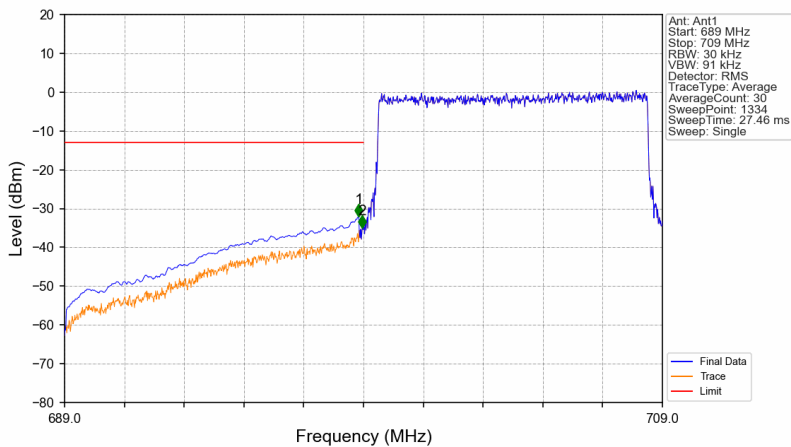


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.050	-29.89	-13	Pass
716.1	721	0.1	CHP	2	716.160	-29.17	-13	Pass

5.2.4 B12_10MHz

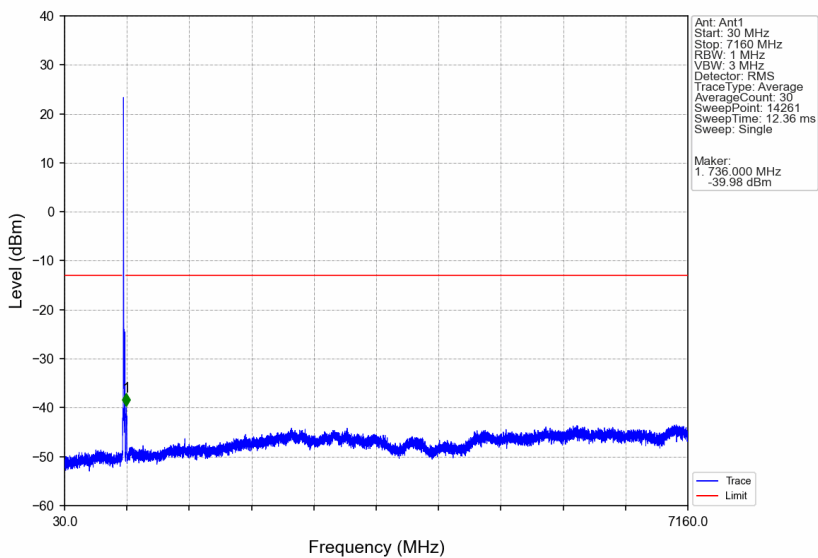


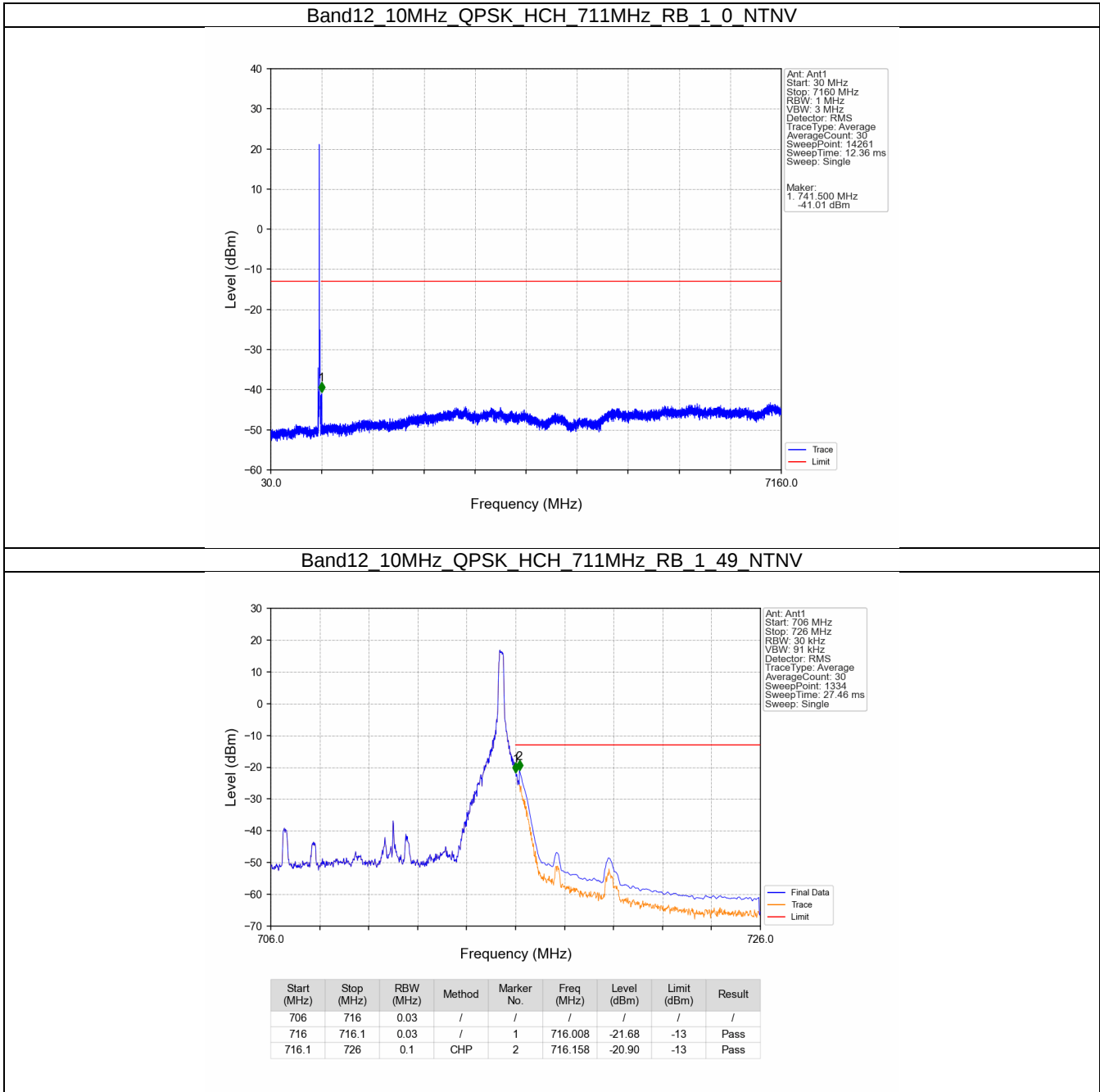
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



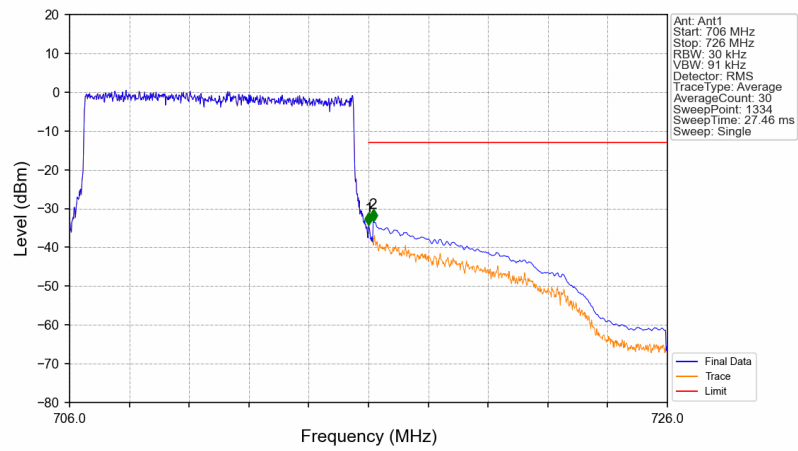
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-31.97	-13	Pass
698.9	699	0.03	/	2	698.962	-34.97	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_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	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-34.28	-13	Pass
716.1	726	0.1	CHP	2	716.158	-33.33	-13	Pass