

**Appendix A.8****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	22.74	-0.75	19.84	<=34.77	Pass
			2	22.72	-0.75	19.82	<=34.77	Pass
			5	22.79	-0.75	19.89	<=34.77	Pass
		3	0	22.87	-0.75	19.97	<=34.77	Pass
			2	22.87	-0.75	19.97	<=34.77	Pass
			3	22.92	-0.75	20.02	<=34.77	Pass
		6	0	21.89	-0.75	18.99	<=34.77	Pass
			0	22.83	-0.75	19.93	<=34.77	Pass
			2	22.88	-0.75	19.98	<=34.77	Pass
	707.5	1	5	23.05	-0.75	20.15	<=34.77	Pass
			0	22.92	-0.75	20.02	<=34.77	Pass
			2	22.96	-0.75	20.06	<=34.77	Pass
		3	3	22.91	-0.75	20.01	<=34.77	Pass
			0	21.92	-0.75	19.02	<=34.77	Pass
			0	22.97	-0.75	20.07	<=34.77	Pass
		6	2	22.90	-0.75	20.00	<=34.77	Pass
			5	23.03	-0.75	20.13	<=34.77	Pass
			0	23.05	-0.75	20.15	<=34.77	Pass
	715.3	1	2	22.98	-0.75	20.08	<=34.77	Pass
			3	23.06	-0.75	20.16	<=34.77	Pass
			0	21.98	-0.75	19.08	<=34.77	Pass
		3	0	22.04	-0.75	19.14	<=34.77	Pass
			2	22.49	-0.75	19.59	<=34.77	Pass
			5	22.41	-0.75	19.51	<=34.77	Pass
		6	0	22.25	-0.75	19.35	<=34.77	Pass
			2	22.08	-0.75	19.18	<=34.77	Pass
			3	21.96	-0.75	19.06	<=34.77	Pass
16QAM	699.7	1	0	21.06	-0.75	18.16	<=34.77	Pass
			0	22.37	-0.75	19.47	<=34.77	Pass
			2	22.31	-0.75	19.41	<=34.77	Pass
		3	5	22.79	-0.75	19.89	<=34.77	Pass
			0	22.13	-0.75	19.23	<=34.77	Pass
			2	22.09	-0.75	19.19	<=34.77	Pass
		6	3	22.00	-0.75	19.10	<=34.77	Pass
			0	21.03	-0.75	18.13	<=34.77	Pass
			0	22.59	-0.75	19.69	<=34.77	Pass
	707.5	1	2	22.05	-0.75	19.15	<=34.77	Pass
			5	22.36	-0.75	19.46	<=34.77	Pass
			0	22.38	-0.75	19.48	<=34.77	Pass
		3	2	22.05	-0.75	19.15	<=34.77	Pass
			0	22.04	-0.75	19.14	<=34.77	Pass
			2	22.49	-0.75	19.59	<=34.77	Pass
		6	5	22.41	-0.75	19.51	<=34.77	Pass
			0	22.25	-0.75	19.35	<=34.77	Pass
			2	22.08	-0.75	19.18	<=34.77	Pass
	715.3	1	3	21.96	-0.75	19.06	<=34.77	Pass
			0	21.06	-0.75	18.16	<=34.77	Pass
			0	22.37	-0.75	19.47	<=34.77	Pass
		3	2	22.31	-0.75	19.41	<=34.77	Pass
			5	22.79	-0.75	19.89	<=34.77	Pass
			0	22.13	-0.75	19.23	<=34.77	Pass
		6	2	22.09	-0.75	19.19	<=34.77	Pass
			3	22.00	-0.75	19.10	<=34.77	Pass
			0	21.03	-0.75	18.13	<=34.77	Pass

64QAM	699.7	1	3	22.10	-0.75	19.20	<=34.77	Pass
			0	20.99	-0.75	18.09	<=34.77	Pass
			6	22.11	-0.75	19.21	<=34.77	Pass
	707.5	1	2	22.51	-0.75	19.61	<=34.77	Pass
			5	21.81	-0.75	18.91	<=34.77	Pass
			0	21.91	-0.75	19.01	<=34.77	Pass
		3	2	21.98	-0.75	19.08	<=34.77	Pass
			3	22.00	-0.75	19.10	<=34.77	Pass
			6	20.88	-0.75	17.98	<=34.77	Pass
	715.3	1	0	22.00	-0.75	19.10	<=34.77	Pass
			2	22.01	-0.75	19.11	<=34.77	Pass
			5	21.94	-0.75	19.04	<=34.77	Pass
		3	0	22.13	-0.75	19.23	<=34.77	Pass
			2	22.01	-0.75	19.11	<=34.77	Pass
			3	21.97	-0.75	19.07	<=34.77	Pass
		6	0	20.84	-0.75	17.94	<=34.77	Pass
			0	21.98	-0.75	19.08	<=34.77	Pass
			2	22.14	-0.75	19.24	<=34.77	Pass
		3	5	22.09	-0.75	19.19	<=34.77	Pass
			0	21.95	-0.75	19.05	<=34.77	Pass
			2	22.05	-0.75	19.15	<=34.77	Pass
256QAM	699.7	1	3	22.13	-0.75	19.23	<=34.77	Pass
			2	22.01	-0.75	19.11	<=34.77	Pass
			3	21.97	-0.75	19.07	<=34.77	Pass
		3	0	21.98	-0.75	19.08	<=34.77	Pass
			2	22.14	-0.75	19.24	<=34.77	Pass
			5	22.09	-0.75	19.19	<=34.77	Pass
	707.5	1	0	21.95	-0.75	19.05	<=34.77	Pass
			2	22.05	-0.75	19.15	<=34.77	Pass
			3	22.13	-0.75	19.23	<=34.77	Pass
		3	0	21.09	-0.75	18.19	<=34.77	Pass
			0	17.98	-0.75	15.08	<=34.77	Pass
			2	18.08	-0.75	15.18	<=34.77	Pass
		6	5	18.05	-0.75	15.15	<=34.77	Pass
			0	18.03	-0.75	15.13	<=34.77	Pass
			2	18.05	-0.75	15.15	<=34.77	Pass
		3	3	18.11	-0.75	15.21	<=34.77	Pass
			0	17.92	-0.75	15.02	<=34.77	Pass
			0	17.76	-0.75	14.86	<=34.77	Pass
	715.3	1	2	18.22	-0.75	15.32	<=34.77	Pass
			5	17.86	-0.75	14.96	<=34.77	Pass
			0	18.05	-0.75	15.15	<=34.77	Pass
		3	2	17.96	-0.75	15.06	<=34.77	Pass
			3	18.30	-0.75	15.40	<=34.77	Pass
			6	17.82	-0.75	14.92	<=34.77	Pass
		6	0	17.96	-0.75	15.06	<=34.77	Pass
			0	17.96	-0.75	15.06	<=34.77	Pass
			2	18.14	-0.75	15.24	<=34.77	Pass
		3	5	18.12	-0.75	15.22	<=34.77	Pass
			0	18.16	-0.75	15.26	<=34.77	Pass
			2	18.06	-0.75	15.16	<=34.77	Pass
		6	3	18.21	-0.75	15.31	<=34.77	Pass
			0	18.07	-0.75	15.17	<=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	22.98	-0.75	20.08	<=34.77	Pass
			7	23.07	-0.75	20.17	<=34.77	Pass
			14	23.03	-0.75	20.13	<=34.77	Pass
		8	0	21.93	-0.75	19.03	<=34.77	Pass
			4	22.03	-0.75	19.13	<=34.77	Pass
			7	21.92	-0.75	19.02	<=34.77	Pass
		15	0	21.90	-0.75	19.00	<=34.77	Pass
	707.5	1	0	23.07	-0.75	20.17	<=34.77	Pass
			7	23.13	-0.75	20.23	<=34.77	Pass
			14	22.98	-0.75	20.08	<=34.77	Pass
		8	0	21.95	-0.75	19.05	<=34.77	Pass
			4	21.92	-0.75	19.02	<=34.77	Pass
			7	21.95	-0.75	19.05	<=34.77	Pass
		15	0	22.00	-0.75	19.10	<=34.77	Pass
	714.5	1	0	22.97	-0.75	20.07	<=34.77	Pass
			7	23.07	-0.75	20.17	<=34.77	Pass
			14	23.03	-0.75	20.13	<=34.77	Pass
		8	0	22.27	-0.75	19.37	<=34.77	Pass
			4	22.03	-0.75	19.13	<=34.77	Pass
			7	22.09	-0.75	19.19	<=34.77	Pass
		15	0	22.05	-0.75	19.15	<=34.77	Pass
16QAM	700.5	1	0	21.79	-0.75	18.89	<=34.77	Pass
			7	22.18	-0.75	19.28	<=34.77	Pass
			14	22.15	-0.75	19.25	<=34.77	Pass
		8	0	21.10	-0.75	18.20	<=34.77	Pass
			4	21.03	-0.75	18.13	<=34.77	Pass
			7	21.06	-0.75	18.16	<=34.77	Pass
		15	0	21.05	-0.75	18.15	<=34.77	Pass
	707.5	1	0	22.15	-0.75	19.25	<=34.77	Pass
			7	22.28	-0.75	19.38	<=34.77	Pass
			14	22.24	-0.75	19.34	<=34.77	Pass
		8	0	21.00	-0.75	18.10	<=34.77	Pass
			4	21.05	-0.75	18.15	<=34.77	Pass
			7	21.09	-0.75	18.19	<=34.77	Pass
		15	0	20.89	-0.75	17.99	<=34.77	Pass
	714.5	1	0	22.19	-0.75	19.29	<=34.77	Pass
			7	22.44	-0.75	19.54	<=34.77	Pass
			14	22.32	-0.75	19.42	<=34.77	Pass
		8	0	21.08	-0.75	18.18	<=34.77	Pass
			4	21.17	-0.75	18.27	<=34.77	Pass
			7	21.14	-0.75	18.24	<=34.77	Pass
		15	0	21.08	-0.75	18.18	<=34.77	Pass
64QAM	700.5	1	0	21.95	-0.75	19.05	<=34.77	Pass
			7	21.94	-0.75	19.04	<=34.77	Pass
			14	21.94	-0.75	19.04	<=34.77	Pass
		8	0	20.97	-0.75	18.07	<=34.77	Pass
			4	21.02	-0.75	18.12	<=34.77	Pass
			7	21.07	-0.75	18.17	<=34.77	Pass
		15	0	21.03	-0.75	18.13	<=34.77	Pass
	707.5	1	0	22.02	-0.75	19.12	<=34.77	Pass
			7	22.23	-0.75	19.33	<=34.77	Pass
			14	22.07	-0.75	19.17	<=34.77	Pass
		8	0	20.99	-0.75	18.09	<=34.77	Pass

		15	4	21.04	-0.75	18.14	<=34.77	Pass
			7	21.14	-0.75	18.24	<=34.77	Pass
			0	20.97	-0.75	18.07	<=34.77	Pass
	714.5	1	0	21.99	-0.75	19.09	<=34.77	Pass
			7	21.99	-0.75	19.09	<=34.77	Pass
			14	22.14	-0.75	19.24	<=34.77	Pass
		8	0	21.10	-0.75	18.20	<=34.77	Pass
			4	21.17	-0.75	18.27	<=34.77	Pass
			7	20.93	-0.75	18.03	<=34.77	Pass
		15	0	21.06	-0.75	18.16	<=34.77	Pass
256QAM	700.5	1	0	17.89	-0.75	14.99	<=34.77	Pass
			7	18.10	-0.75	15.20	<=34.77	Pass
			14	18.10	-0.75	15.20	<=34.77	Pass
		8	0	18.00	-0.75	15.10	<=34.77	Pass
			4	17.98	-0.75	15.08	<=34.77	Pass
			7	17.99	-0.75	15.09	<=34.77	Pass
		15	0	18.01	-0.75	15.11	<=34.77	Pass
	707.5	1	0	17.81	-0.75	14.91	<=34.77	Pass
			7	18.20	-0.75	15.30	<=34.77	Pass
			14	18.19	-0.75	15.29	<=34.77	Pass
		8	0	17.94	-0.75	15.04	<=34.77	Pass
			4	17.96	-0.75	15.06	<=34.77	Pass
			7	18.00	-0.75	15.10	<=34.77	Pass
		15	0	18.01	-0.75	15.11	<=34.77	Pass
	714.5	1	0	18.30	-0.75	15.40	<=34.77	Pass
			7	18.29	-0.75	15.39	<=34.77	Pass
			14	18.11	-0.75	15.21	<=34.77	Pass
		8	0	18.09	-0.75	15.19	<=34.77	Pass
			4	18.20	-0.75	15.30	<=34.77	Pass
			7	18.09	-0.75	15.19	<=34.77	Pass
		15	0	18.09	-0.75	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	22.97	-0.75	20.07	<=34.77	Pass
			13	23.12	-0.75	20.22	<=34.77	Pass
			24	22.86	-0.75	19.96	<=34.77	Pass
		12	0	21.96	-0.75	19.06	<=34.77	Pass
			6	22.02	-0.75	19.12	<=34.77	Pass
			13	22.01	-0.75	19.11	<=34.77	Pass
		25	0	21.96	-0.75	19.06	<=34.77	Pass
	707.5	1	0	22.98	-0.75	20.08	<=34.77	Pass
			13	23.01	-0.75	20.11	<=34.77	Pass
			24	22.92	-0.75	20.02	<=34.77	Pass
		12	0	21.98	-0.75	19.08	<=34.77	Pass
			6	21.94	-0.75	19.04	<=34.77	Pass
			13	21.96	-0.75	19.06	<=34.77	Pass

		25	0	21.99	-0.75	19.09	<=34.77	Pass		
		713.5	1	0	22.96	-0.75	20.06	<=34.77	Pass	
				13	23.09	-0.75	20.19	<=34.77	Pass	
				24	23.01	-0.75	20.11	<=34.77	Pass	
				0	22.05	-0.75	19.15	<=34.77	Pass	
		12	6	22.03	-0.75	19.13	<=34.77	Pass		
			13	22.03	-0.75	19.13	<=34.77	Pass		
			25	0	22.16	-0.75	19.26	<=34.77	Pass	
16QAM	701.5	1	0	22.24	-0.75	19.34	<=34.77	Pass		
			13	22.19	-0.75	19.29	<=34.77	Pass		
			24	22.02	-0.75	19.12	<=34.77	Pass		
		12	0	21.03	-0.75	18.13	<=34.77	Pass		
			6	21.03	-0.75	18.13	<=34.77	Pass		
			13	21.24	-0.75	18.34	<=34.77	Pass		
		25	0	21.02	-0.75	18.12	<=34.77	Pass		
		707.5	1	0	22.30	-0.75	19.40	<=34.77	Pass	
				13	22.50	-0.75	19.60	<=34.77	Pass	
				24	22.30	-0.75	19.40	<=34.77	Pass	
	12		0	21.17	-0.75	18.27	<=34.77	Pass		
			6	21.03	-0.75	18.13	<=34.77	Pass		
			13	20.99	-0.75	18.09	<=34.77	Pass		
	25		0	20.97	-0.75	18.07	<=34.77	Pass		
	713.5	1	0	22.53	-0.75	19.63	<=34.77	Pass		
			13	22.29	-0.75	19.39	<=34.77	Pass		
			24	22.04	-0.75	19.14	<=34.77	Pass		
		12	0	21.15	-0.75	18.25	<=34.77	Pass		
			6	21.14	-0.75	18.24	<=34.77	Pass		
			13	21.03	-0.75	18.13	<=34.77	Pass		
		25	0	21.12	-0.75	18.22	<=34.77	Pass		
	64QAM	701.5	1	0	22.12	-0.75	19.22	<=34.77	Pass	
				13	22.29	-0.75	19.39	<=34.77	Pass	
				24	21.83	-0.75	18.93	<=34.77	Pass	
			12	0	20.88	-0.75	17.98	<=34.77	Pass	
				6	21.04	-0.75	18.14	<=34.77	Pass	
				13	20.99	-0.75	18.09	<=34.77	Pass	
			25	0	21.02	-0.75	18.12	<=34.77	Pass	
			707.5	1	0	22.11	-0.75	19.21	<=34.77	Pass
					13	22.13	-0.75	19.23	<=34.77	Pass
		24			22.10	-0.75	19.20	<=34.77	Pass	
		12		0	20.97	-0.75	18.07	<=34.77	Pass	
6				21.01	-0.75	18.11	<=34.77	Pass		
13				21.03	-0.75	18.13	<=34.77	Pass		
25		0	20.96	-0.75	18.06	<=34.77	Pass			
713.5		1	0	22.20	-0.75	19.30	<=34.77	Pass		
			13	22.05	-0.75	19.15	<=34.77	Pass		
			24	22.33	-0.75	19.43	<=34.77	Pass		
		12	0	21.15	-0.75	18.25	<=34.77	Pass		
			6	21.14	-0.75	18.24	<=34.77	Pass		
			13	21.03	-0.75	18.13	<=34.77	Pass		
		25	0	21.15	-0.75	18.25	<=34.77	Pass		
		256QAM	701.5	1	0	17.78	-0.75	14.88	<=34.77	Pass
					13	18.05	-0.75	15.15	<=34.77	Pass
24					18.08	-0.75	15.18	<=34.77	Pass	



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		12	0	18.03	-0.75	15.13	<=34.77	Pass
			6	18.13	-0.75	15.23	<=34.77	Pass
			13	18.02	-0.75	15.12	<=34.77	Pass
		25	0	17.98	-0.75	15.08	<=34.77	Pass
	707.5	1	0	17.87	-0.75	14.97	<=34.77	Pass
			13	18.16	-0.75	15.26	<=34.77	Pass
			24	18.10	-0.75	15.20	<=34.77	Pass
		12	0	18.03	-0.75	15.13	<=34.77	Pass
			6	18.03	-0.75	15.13	<=34.77	Pass
			13	18.01	-0.75	15.11	<=34.77	Pass
		25	0	18.08	-0.75	15.18	<=34.77	Pass
	713.5	1	0	18.06	-0.75	15.16	<=34.77	Pass
			13	18.28	-0.75	15.38	<=34.77	Pass
			24	18.06	-0.75	15.16	<=34.77	Pass
		12	0	18.10	-0.75	15.20	<=34.77	Pass
			6	18.11	-0.75	15.21	<=34.77	Pass
			13	18.14	-0.75	15.24	<=34.77	Pass
		25	0	18.19	-0.75	15.29	<=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	23.02	-0.75	20.12	<=34.77	Pass
			25	23.03	-0.75	20.13	<=34.77	Pass
			49	23.00	-0.75	20.10	<=34.77	Pass
		25	0	21.99	-0.75	19.09	<=34.77	Pass
			13	22.05	-0.75	19.15	<=34.77	Pass
			25	22.01	-0.75	19.11	<=34.77	Pass
		50	0	21.99	-0.75	19.09	<=34.77	Pass
	707.5	1	0	23.14	-0.75	20.24	<=34.77	Pass
			25	22.88	-0.75	19.98	<=34.77	Pass
			49	22.94	-0.75	20.04	<=34.77	Pass
		25	0	21.92	-0.75	19.02	<=34.77	Pass
			13	22.00	-0.75	19.10	<=34.77	Pass
			25	21.96	-0.75	19.06	<=34.77	Pass
		50	0	21.96	-0.75	19.06	<=34.77	Pass
	711	1	0	22.99	-0.75	20.09	<=34.77	Pass
			25	23.17	-0.75	20.27	<=34.77	Pass
			49	23.00	-0.75	20.10	<=34.77	Pass
		25	0	21.93	-0.75	19.03	<=34.77	Pass
			13	22.09	-0.75	19.19	<=34.77	Pass
			25	22.14	-0.75	19.24	<=34.77	Pass
		50	0	22.09	-0.75	19.19	<=34.77	Pass
16QAM	704	1	0	22.09	-0.75	19.19	<=34.77	Pass
			25	22.17	-0.75	19.27	<=34.77	Pass
			49	22.19	-0.75	19.29	<=34.77	Pass
		25	0	20.93	-0.75	18.03	<=34.77	Pass
			13	21.05	-0.75	18.15	<=34.77	Pass

	707.5	50	25	21.04	-0.75	18.14	<=34.77	Pass
			0	21.06	-0.75	18.16	<=34.77	Pass
			0	22.21	-0.75	19.31	<=34.77	Pass
		1	25	22.24	-0.75	19.34	<=34.77	Pass
			49	22.29	-0.75	19.39	<=34.77	Pass
			0	20.99	-0.75	18.09	<=34.77	Pass
		25	13	21.08	-0.75	18.18	<=34.77	Pass
			25	21.00	-0.75	18.10	<=34.77	Pass
			0	21.05	-0.75	18.15	<=34.77	Pass
		1	0	22.00	-0.75	19.10	<=34.77	Pass
			25	22.29	-0.75	19.39	<=34.77	Pass
			49	22.22	-0.75	19.32	<=34.77	Pass
		25	0	21.09	-0.75	18.19	<=34.77	Pass
			13	21.14	-0.75	18.24	<=34.77	Pass
			25	21.02	-0.75	18.12	<=34.77	Pass
		50	0	21.15	-0.75	18.25	<=34.77	Pass
64QAM	704	1	0	22.25	-0.75	19.35	<=34.77	Pass
			25	22.19	-0.75	19.29	<=34.77	Pass
			49	22.14	-0.75	19.24	<=34.77	Pass
		25	0	20.91	-0.75	18.01	<=34.77	Pass
			13	21.05	-0.75	18.15	<=34.77	Pass
			25	21.08	-0.75	18.18	<=34.77	Pass
		50	0	21.08	-0.75	18.18	<=34.77	Pass
	707.5	1	0	21.92	-0.75	19.02	<=34.77	Pass
			25	22.21	-0.75	19.31	<=34.77	Pass
			49	22.18	-0.75	19.28	<=34.77	Pass
		25	0	20.95	-0.75	18.05	<=34.77	Pass
			13	21.07	-0.75	18.17	<=34.77	Pass
			25	21.09	-0.75	18.19	<=34.77	Pass
		50	0	21.05	-0.75	18.15	<=34.77	Pass
	711	1	0	22.13	-0.75	19.23	<=34.77	Pass
			25	22.03	-0.75	19.13	<=34.77	Pass
			49	21.88	-0.75	18.98	<=34.77	Pass
		25	0	20.94	-0.75	18.04	<=34.77	Pass
			13	21.14	-0.75	18.24	<=34.77	Pass
			25	21.10	-0.75	18.20	<=34.77	Pass
		50	0	21.04	-0.75	18.14	<=34.77	Pass
256QAM	704	1	0	18.08	-0.75	15.18	<=34.77	Pass
			25	17.95	-0.75	15.05	<=34.77	Pass
			49	18.04	-0.75	15.14	<=34.77	Pass
		25	0	18.04	-0.75	15.14	<=34.77	Pass
			13	18.07	-0.75	15.17	<=34.77	Pass
			25	18.04	-0.75	15.14	<=34.77	Pass
		50	0	18.07	-0.75	15.17	<=34.77	Pass
	707.5	1	0	17.96	-0.75	15.06	<=34.77	Pass
			25	17.90	-0.75	15.00	<=34.77	Pass
			49	18.16	-0.75	15.26	<=34.77	Pass
		25	0	18.04	-0.75	15.14	<=34.77	Pass
			13	18.02	-0.75	15.12	<=34.77	Pass
			25	18.08	-0.75	15.18	<=34.77	Pass
		50	0	17.96	-0.75	15.06	<=34.77	Pass
	711	1	0	17.94	-0.75	15.04	<=34.77	Pass
			25	18.10	-0.75	15.20	<=34.77	Pass



			49	18.04	-0.75	15.14	<=34.77	Pass
		25	0	18.05	-0.75	15.15	<=34.77	Pass
			13	18.06	-0.75	15.16	<=34.77	Pass
			25	18.10	-0.75	15.20	<=34.77	Pass
		50	0	18.13	-0.75	15.23	<=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	0.100	0.0001	-2.5 to 2.5	Pass
					3.85	0.800	0.0011	-2.5 to 2.5	Pass
					4.43	1.400	0.0020	-2.5 to 2.5	Pass
				-30	3.85	0.800	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.700	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.600	0.0023	-2.5 to 2.5	Pass
				0	3.85	1.600	0.0023	-2.5 to 2.5	Pass
				10	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.900	-0.0013	-2.5 to 2.5	Pass
				50	3.85	1.100	0.0016	-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	1.083	/	Pass
	16QAM	707.5	6	0	1.082	/	Pass
	64QAM	707.5	6	0	1.082	/	Pass
	256QAM	707.5	6	0	1.081	/	Pass
3	QPSK	707.5	15	0	2.688	/	Pass
	16QAM	707.5	15	0	2.683	/	Pass
	64QAM	707.5	15	0	2.689	/	Pass
	256QAM	707.5	15	0	2.689	/	Pass
5	QPSK	707.5	25	0	4.483	/	Pass
	16QAM	707.5	25	0	4.485	/	Pass



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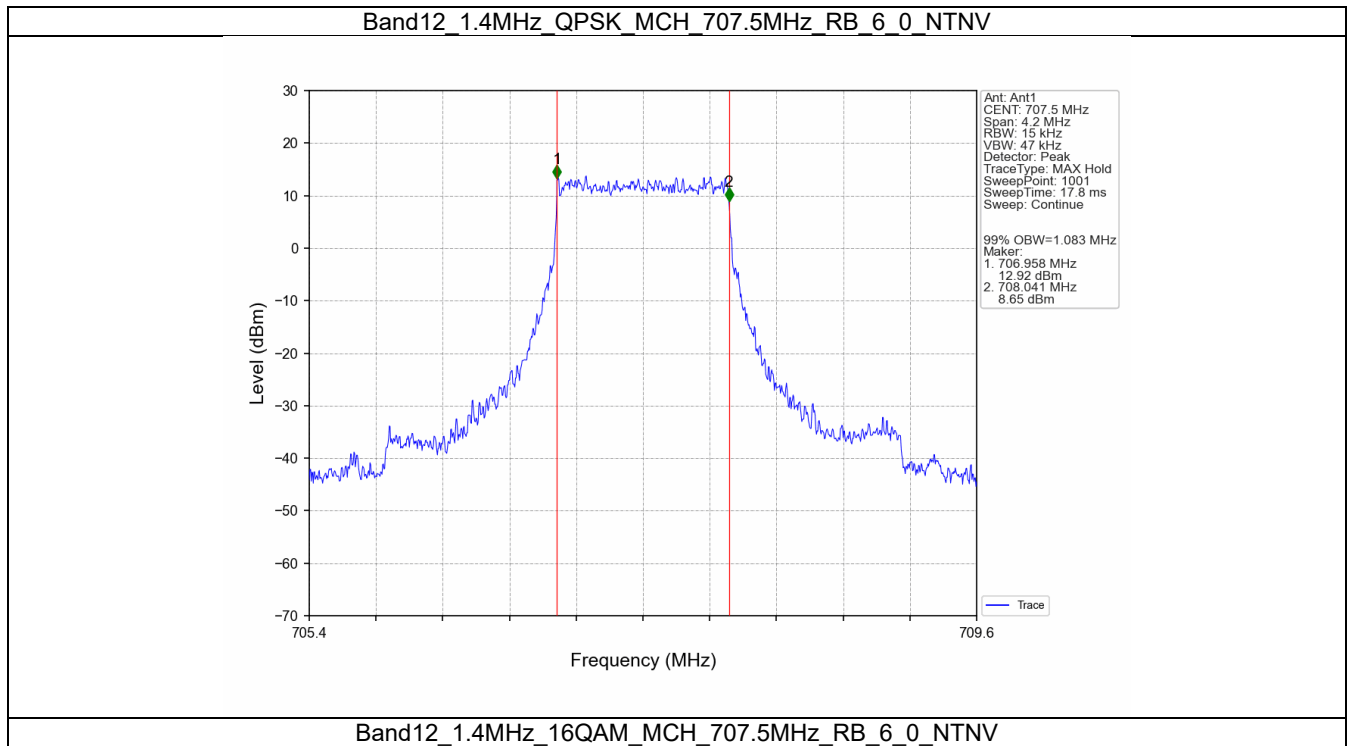
10	64QAM	707.5	25	0	4.493	/	Pass
	256QAM	707.5	25	0	4.483	/	Pass
	QPSK	707.5	50	0	8.980	/	Pass
	16QAM	707.5	50	0	8.976	/	Pass
	64QAM	707.5	50	0	8.955	/	Pass
	256QAM	707.5	50	0	8.976	/	Pass

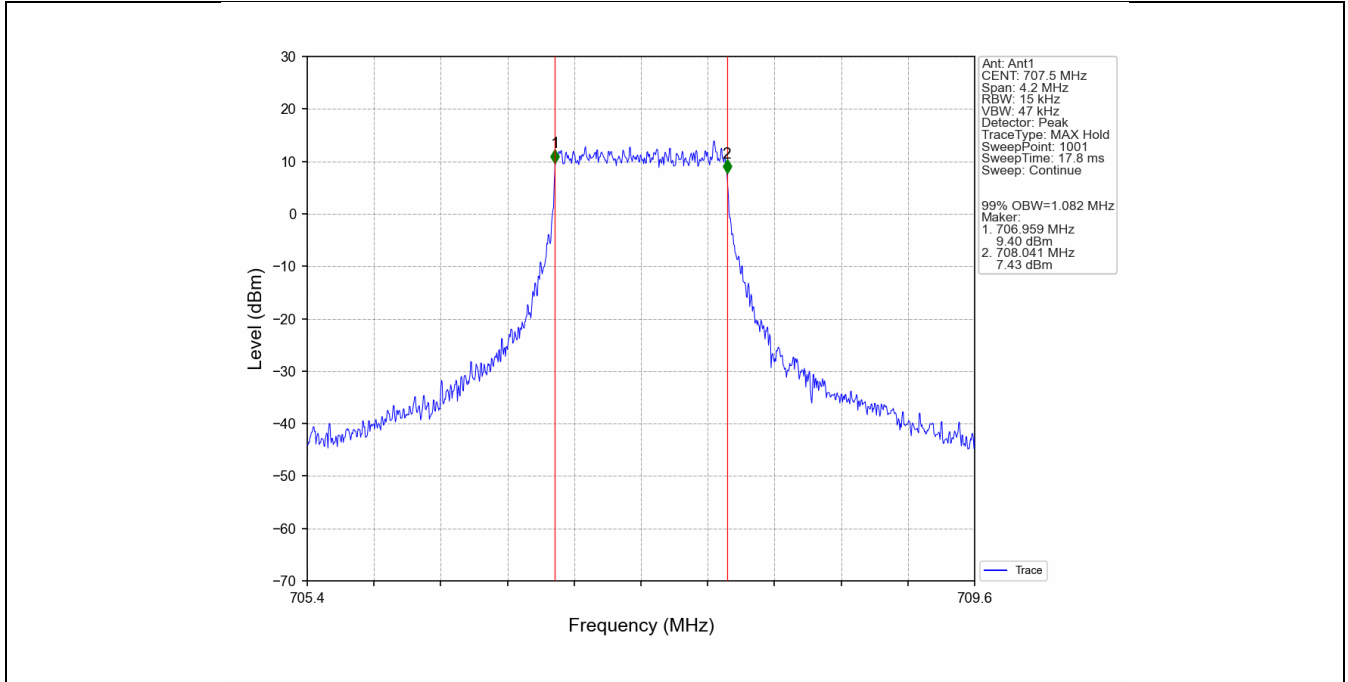
3.1.2 Band12_XDB

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	1.282	/	Pass
	16QAM	707.5	6	0	1.289	/	Pass
	64QAM	707.5	6	0	1.273	/	Pass
	256QAM	707.5	6	0	1.289	/	Pass
3	QPSK	707.5	15	0	3.027	/	Pass
	16QAM	707.5	15	0	2.986	/	Pass
	64QAM	707.5	15	0	2.934	/	Pass
	256QAM	707.5	15	0	2.992	/	Pass
5	QPSK	707.5	25	0	5.009	/	Pass
	16QAM	707.5	25	0	5.082	/	Pass
	64QAM	707.5	25	0	5.032	/	Pass
	256QAM	707.5	25	0	4.986	/	Pass
10	QPSK	707.5	50	0	9.840	/	Pass
	16QAM	707.5	50	0	9.773	/	Pass
	64QAM	707.5	50	0	9.868	/	Pass
	256QAM	707.5	50	0	9.767	/	Pass

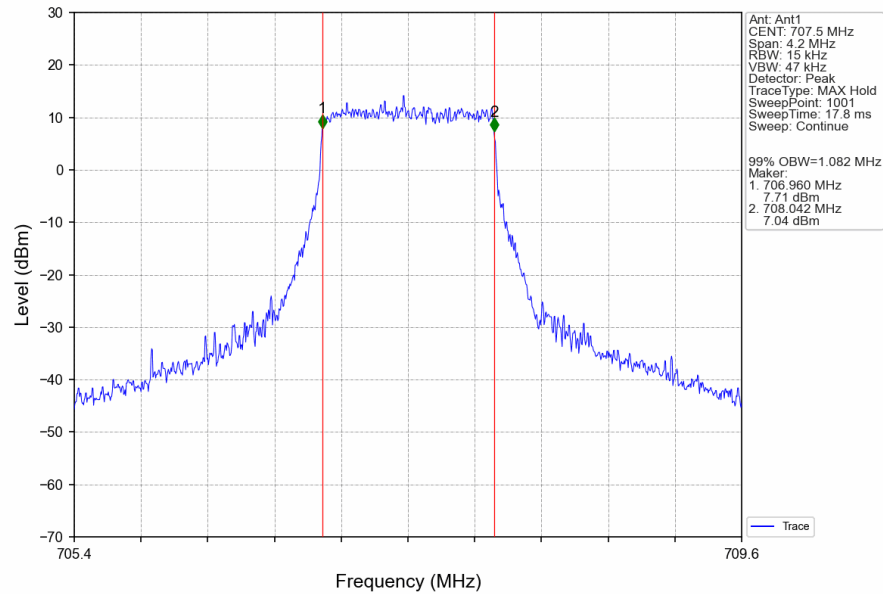
3.2 Test Graph

3.2.1 Band12_OBW

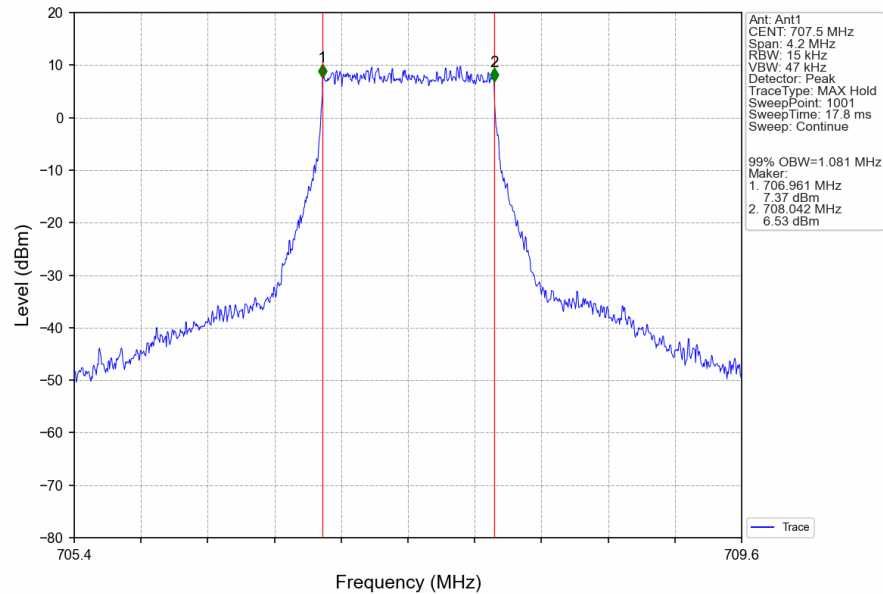




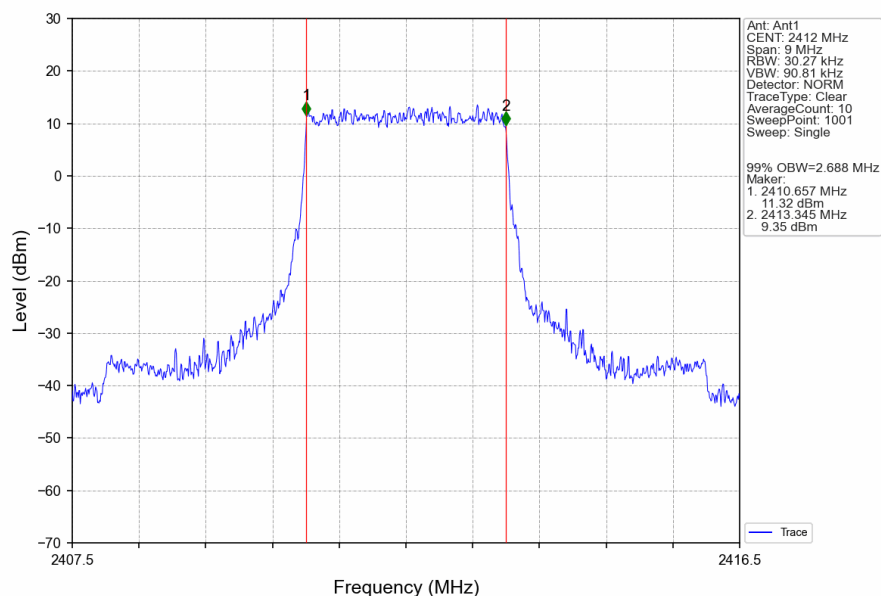
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



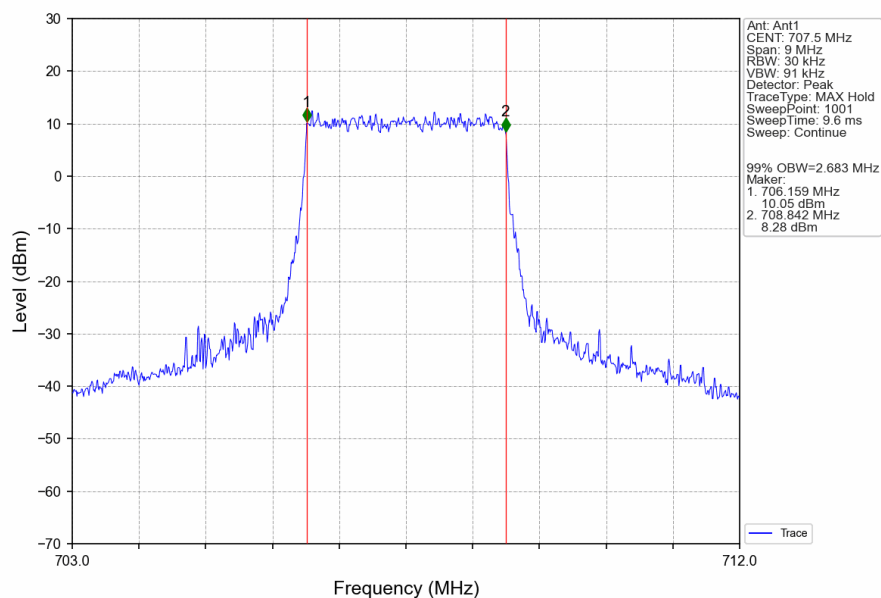
Band12_1.4MHz_256QAM_MCH_707.5MHz_RB_6_0_NTNV



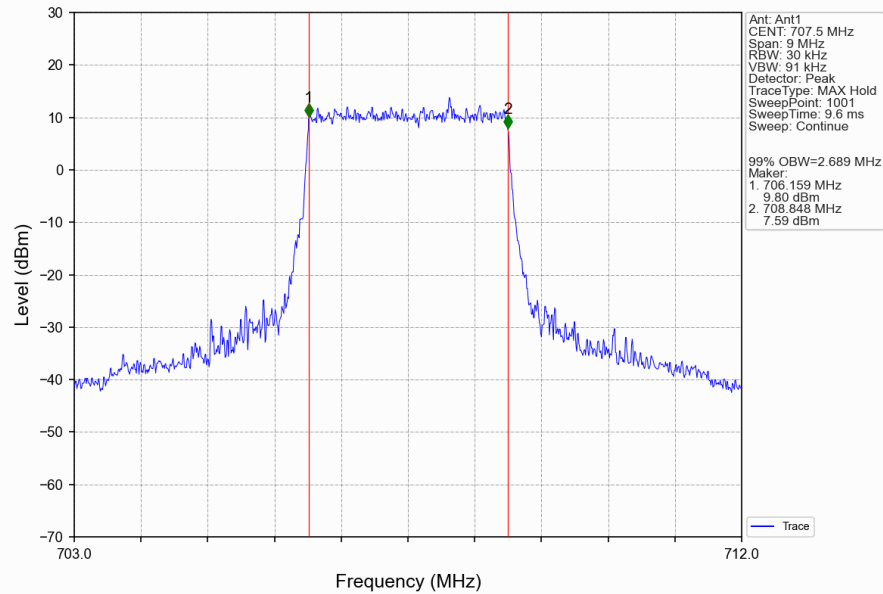
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



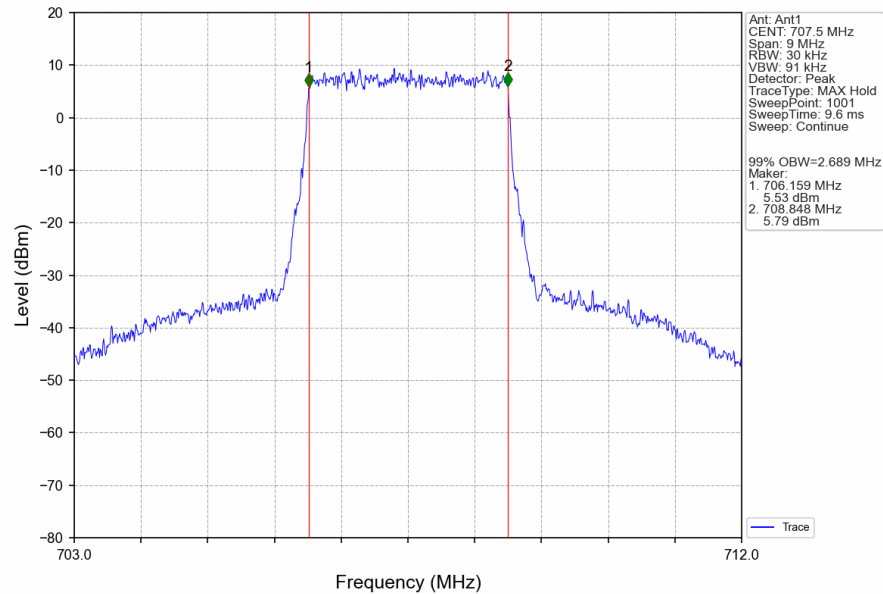
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



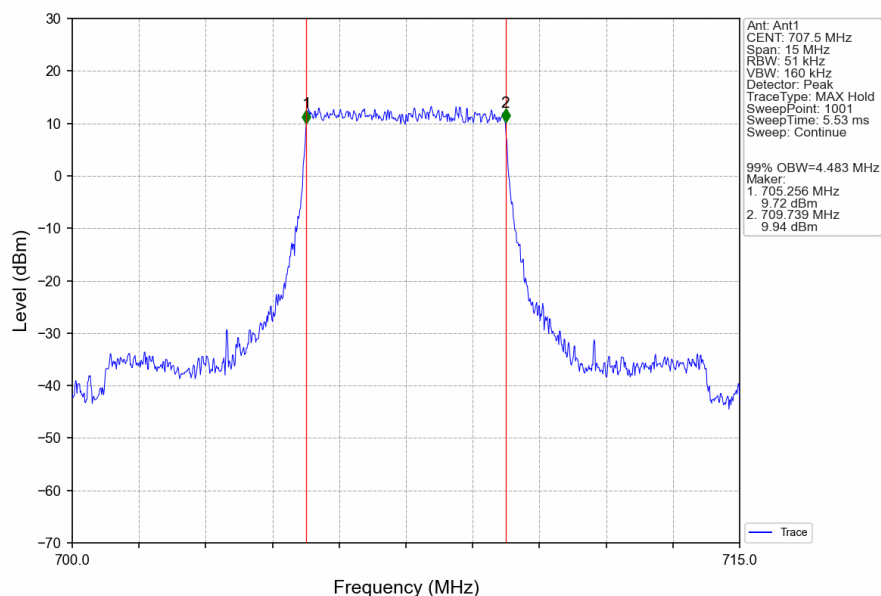
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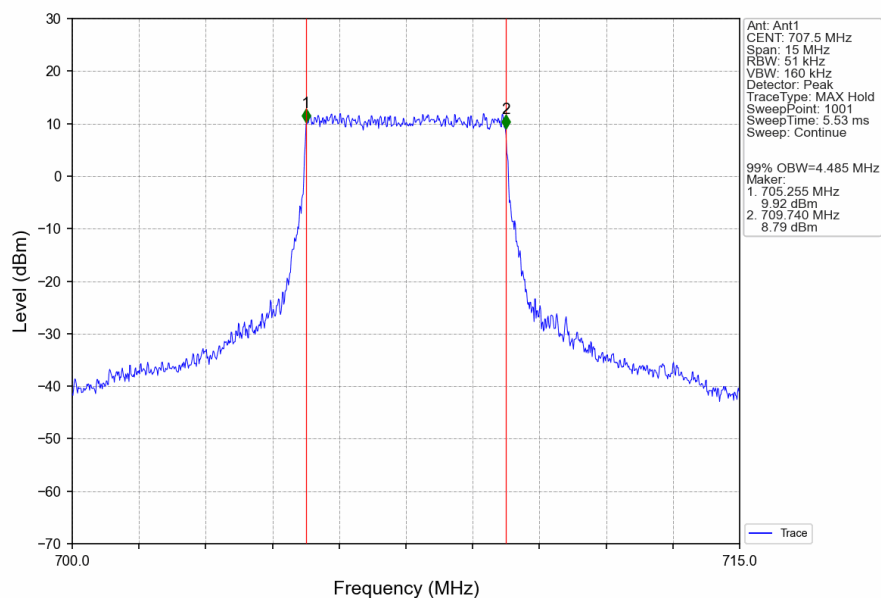
Band12_3MHz_256QAM_MCH_707.5MHz_RB_15_0_NTNV



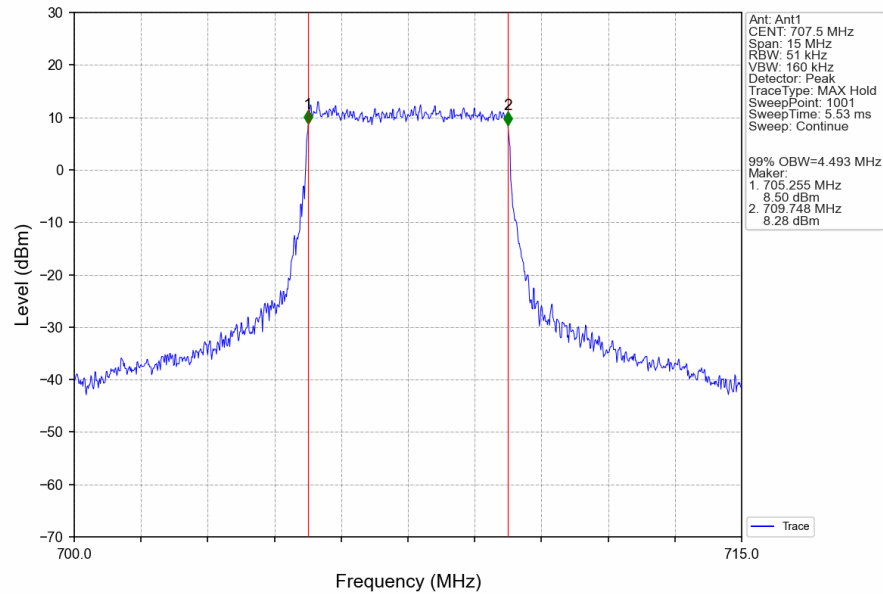
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



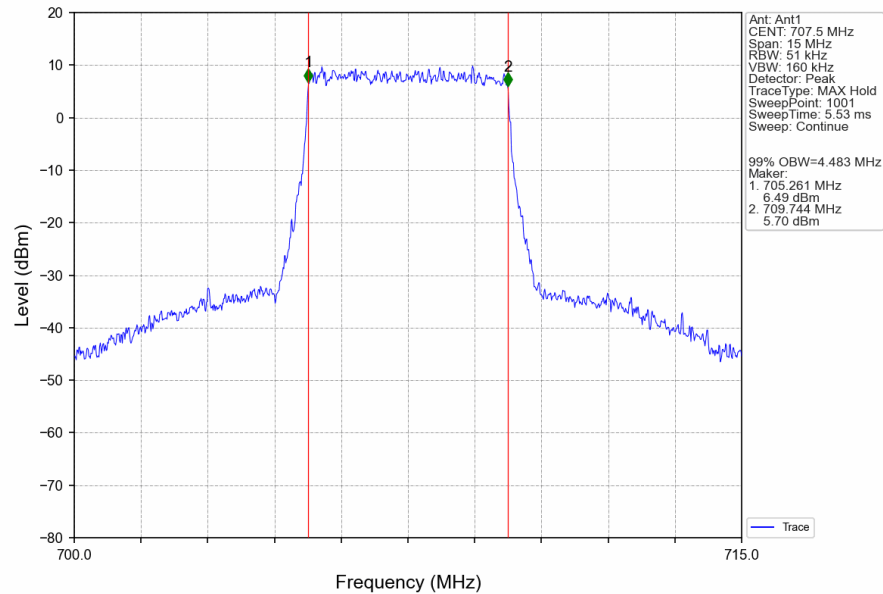
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



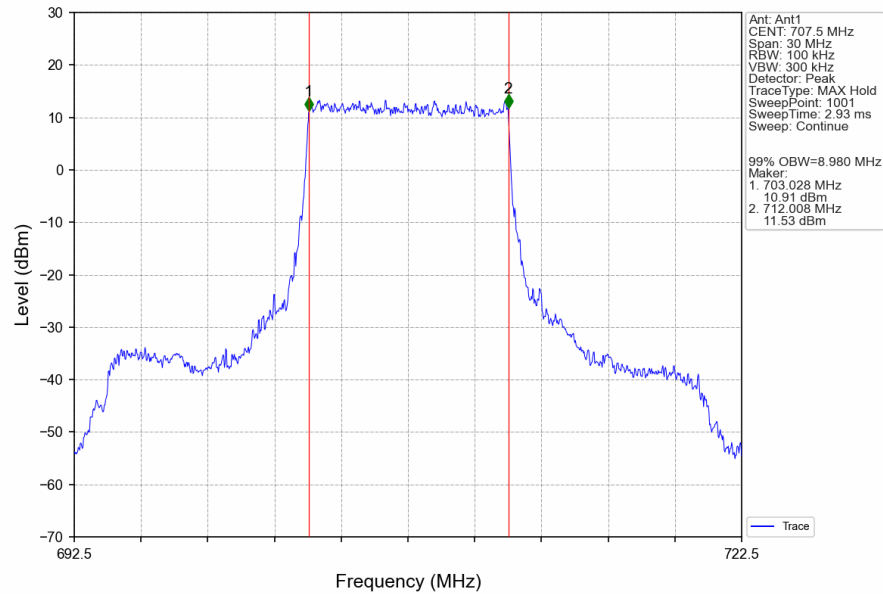
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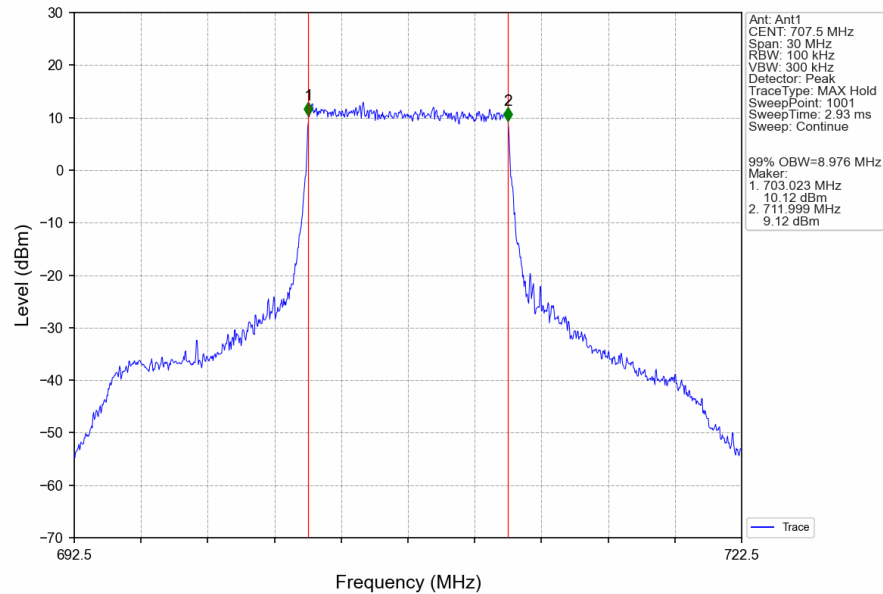
Band12_5MHz_256QAM_MCH_707.5MHz_RB_25_0_NTNV



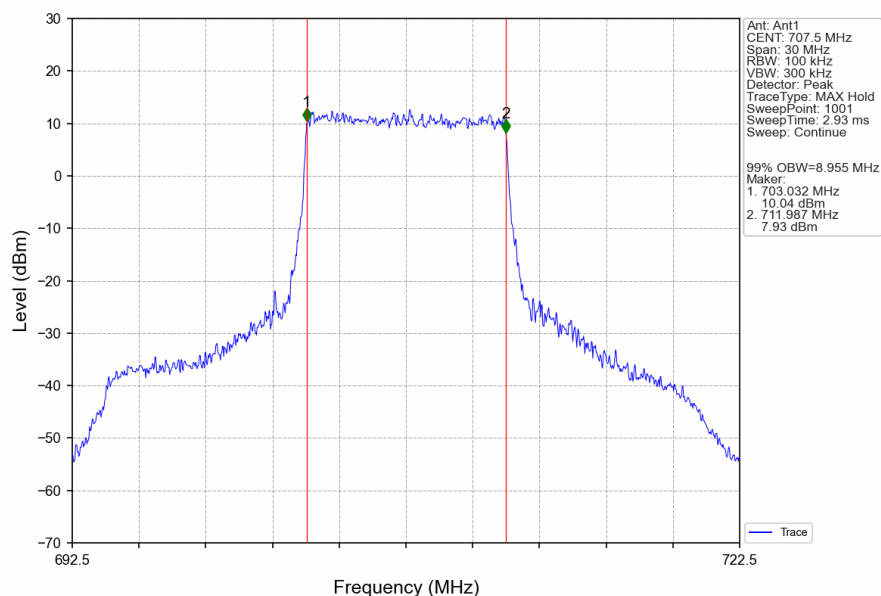
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



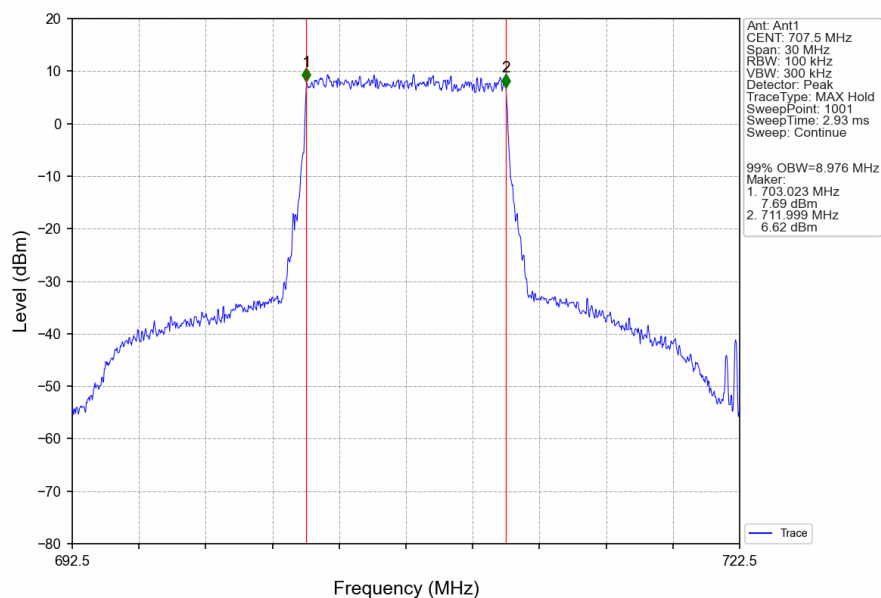
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



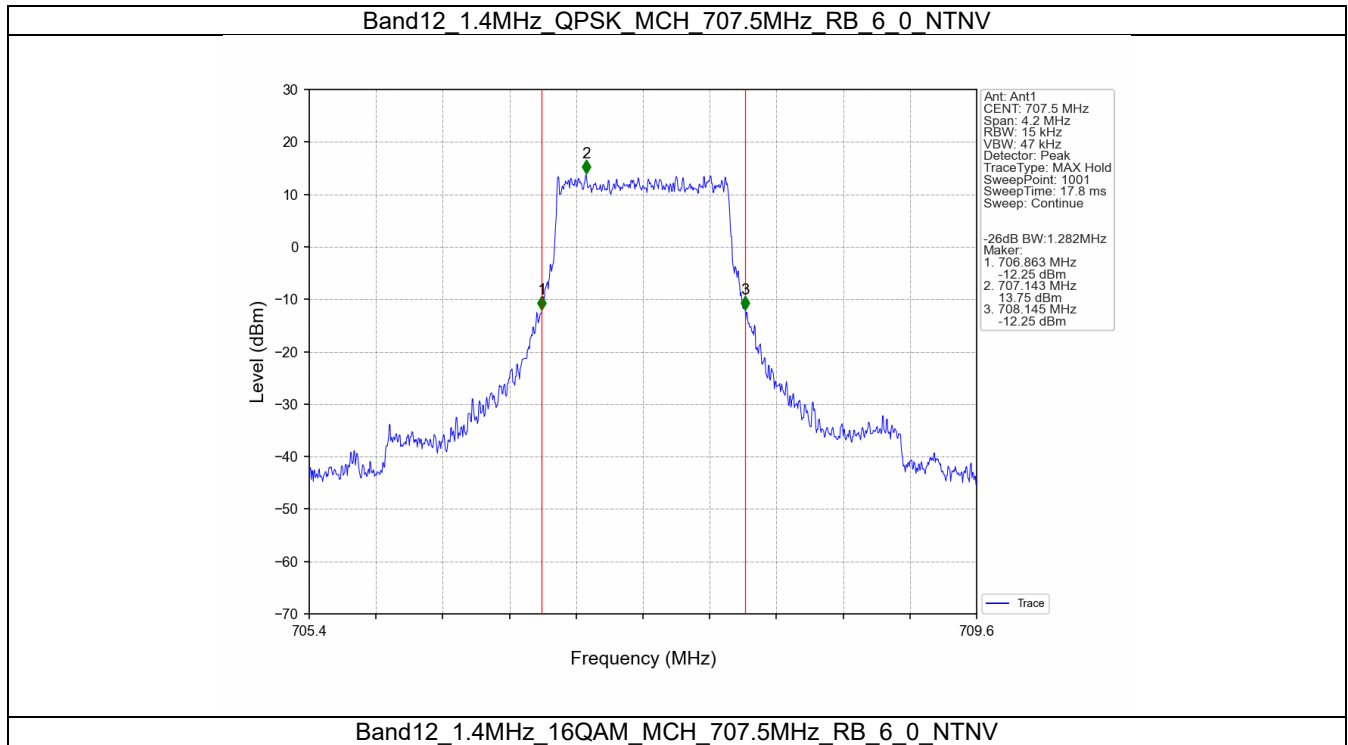
Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV

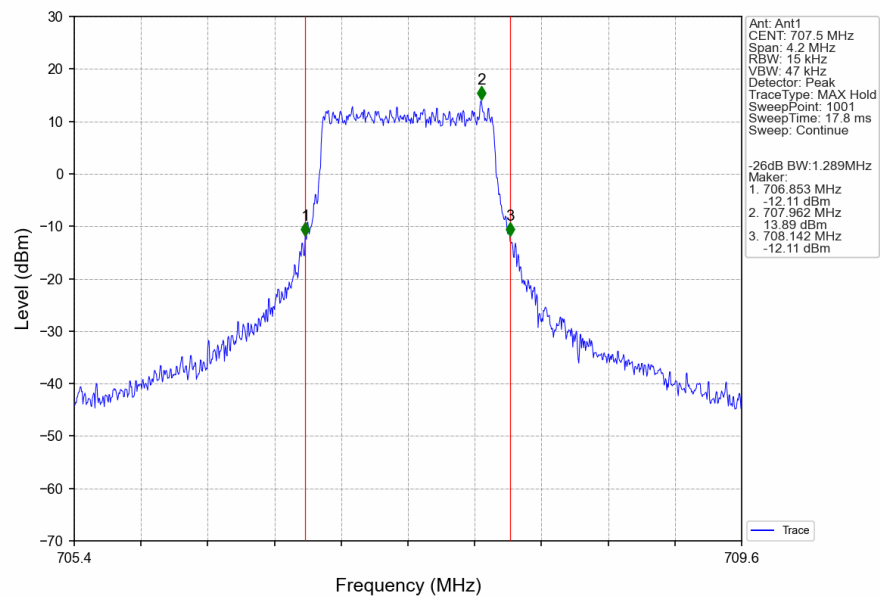


Band12_10MHz_256QAM_MCH_707.5MHz_RB_50_0_NTNV

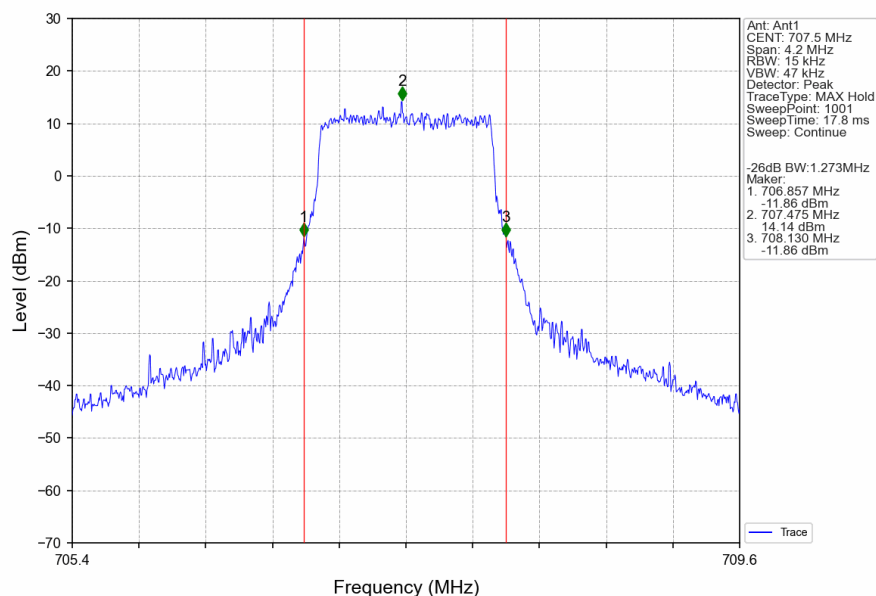


3.2.2 Band12_XDB

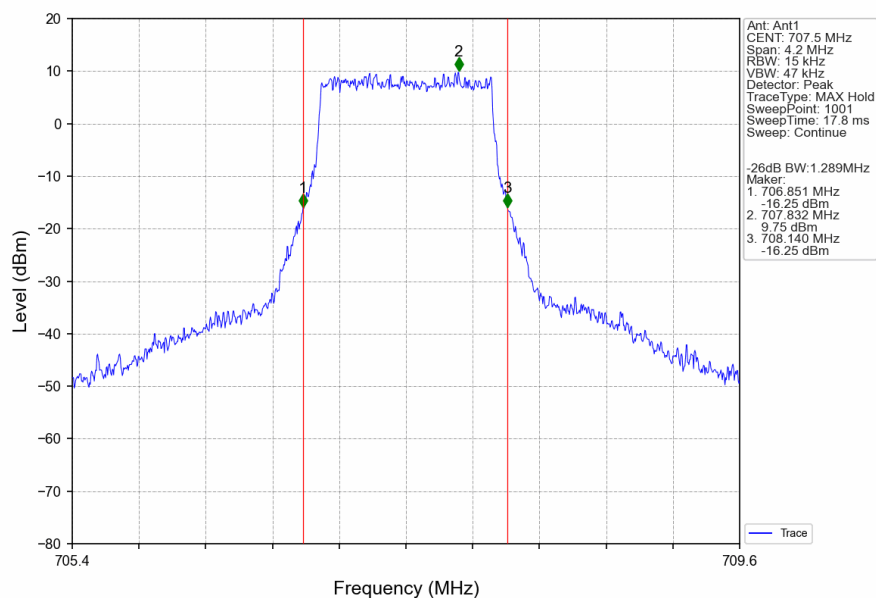




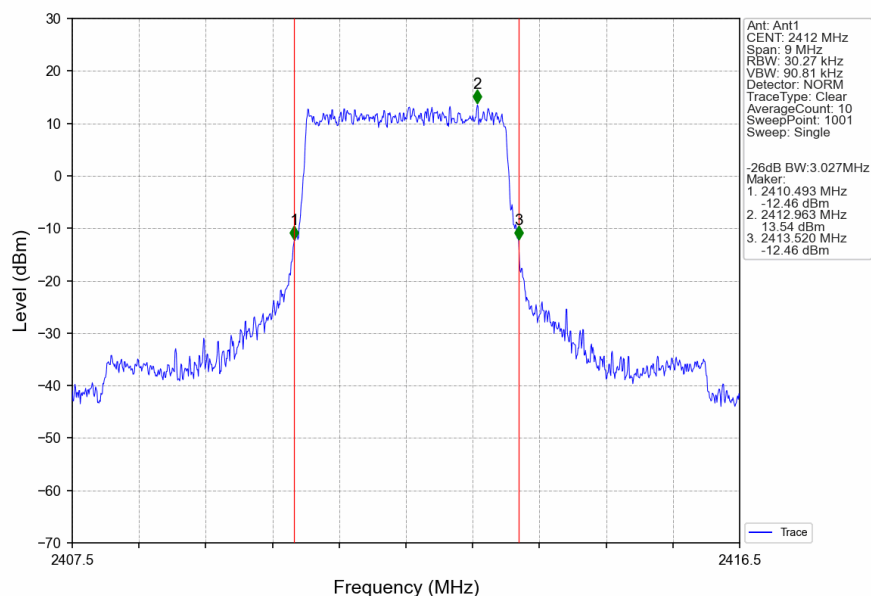
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



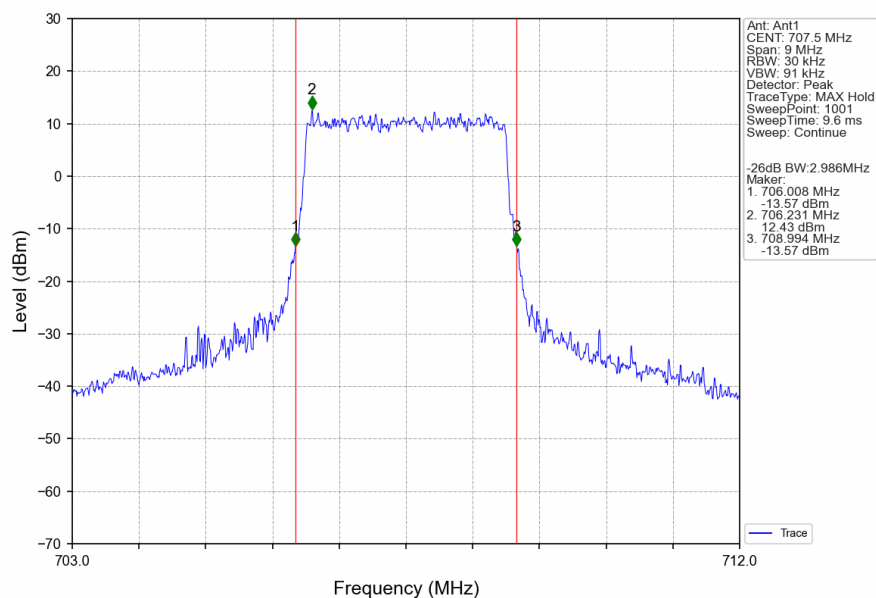
Band12_1.4MHz_256QAM_MCH_707.5MHz_RB_6_0_NTNV



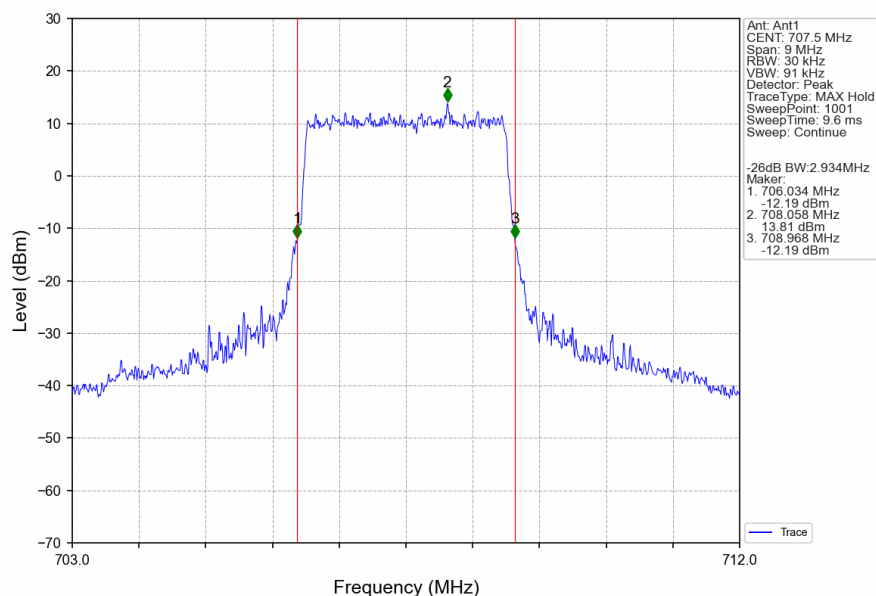
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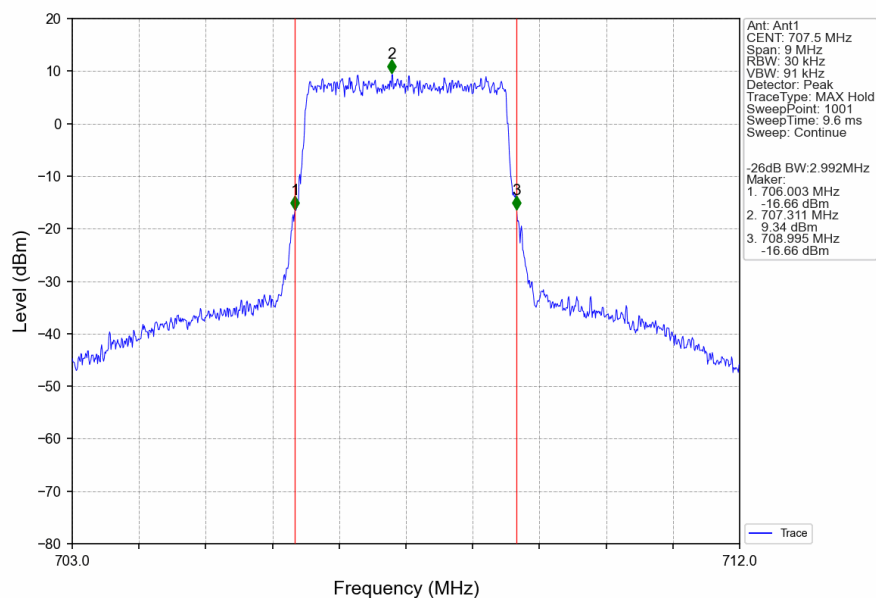
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



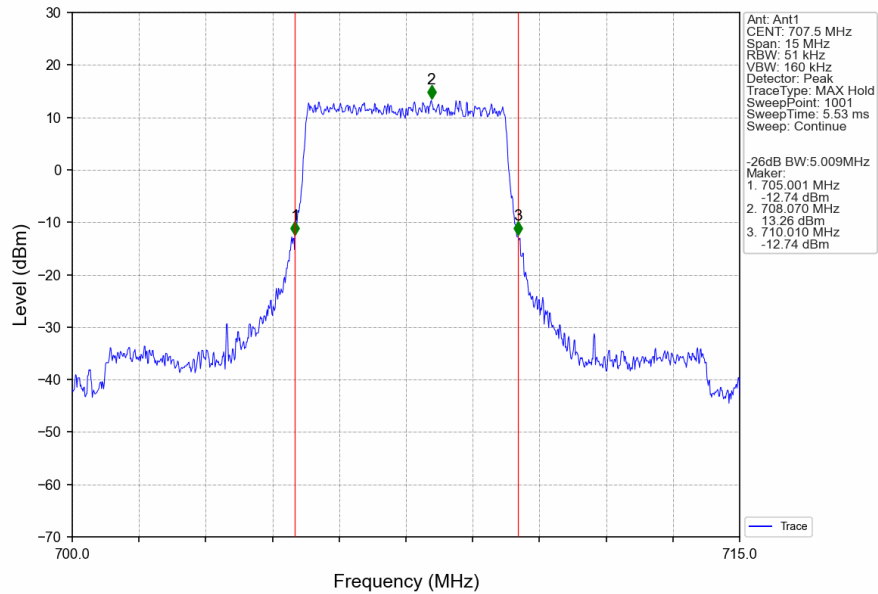
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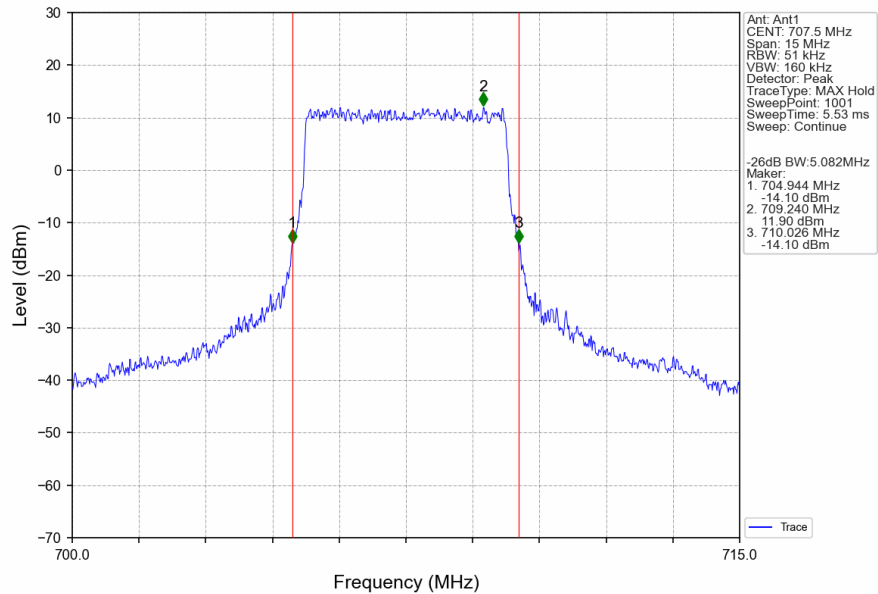
Band12_3MHz_256QAM_MCH_707.5MHz_RB_15_0_NTNV



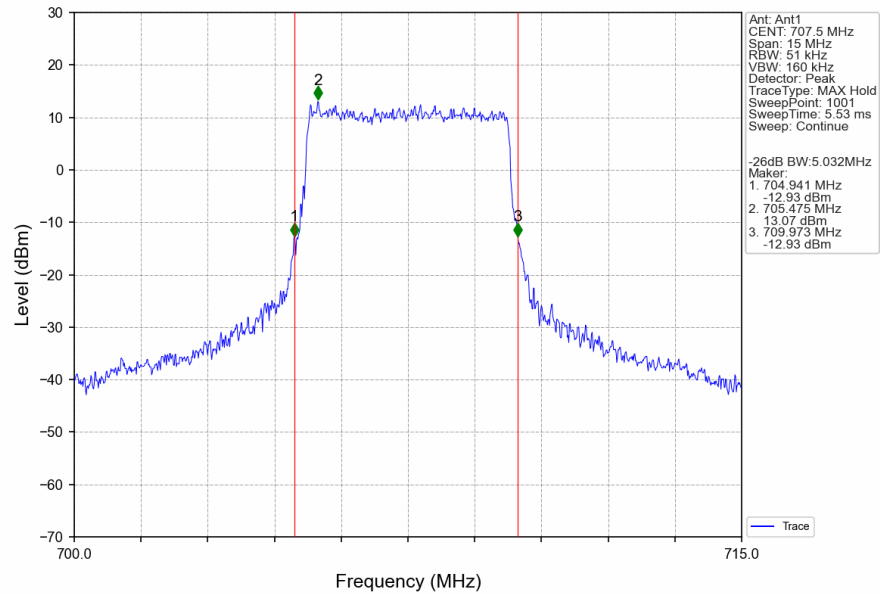
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



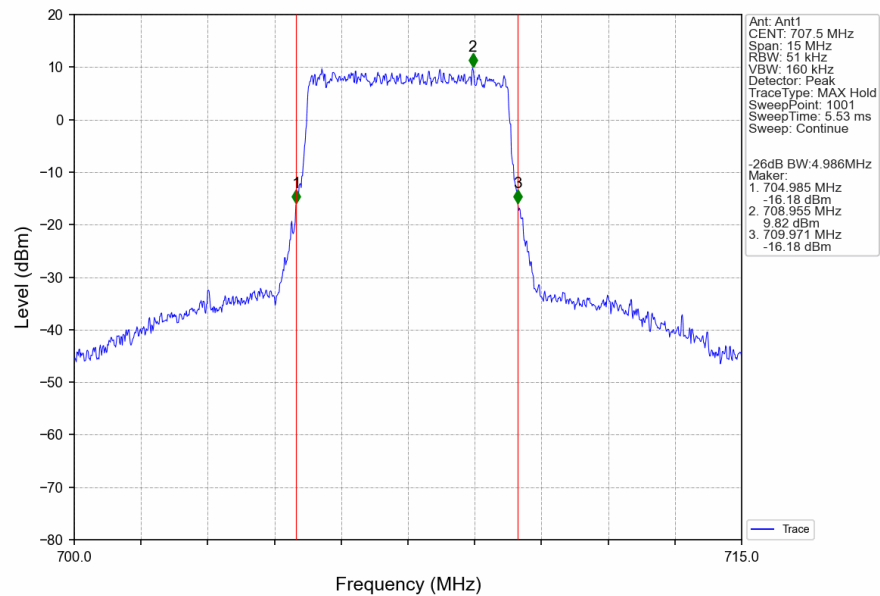
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



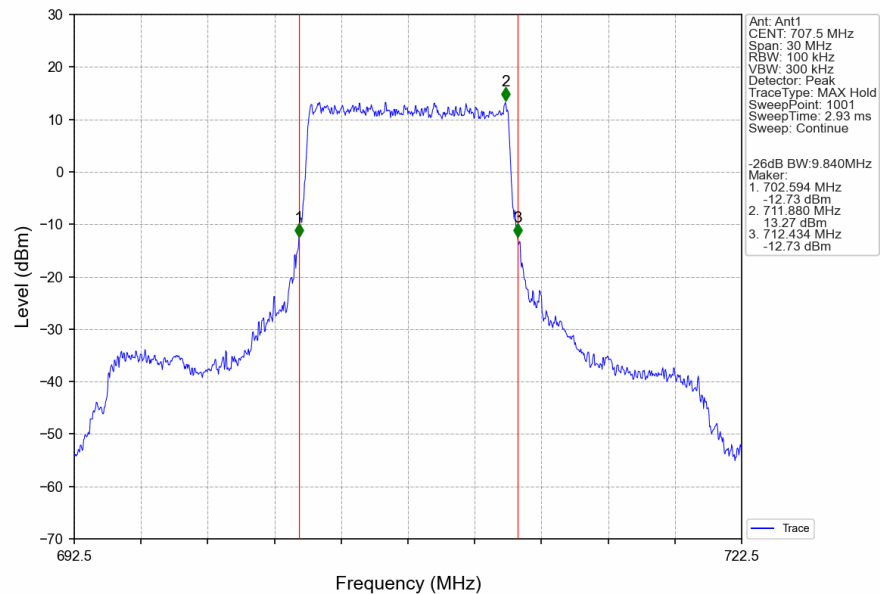
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



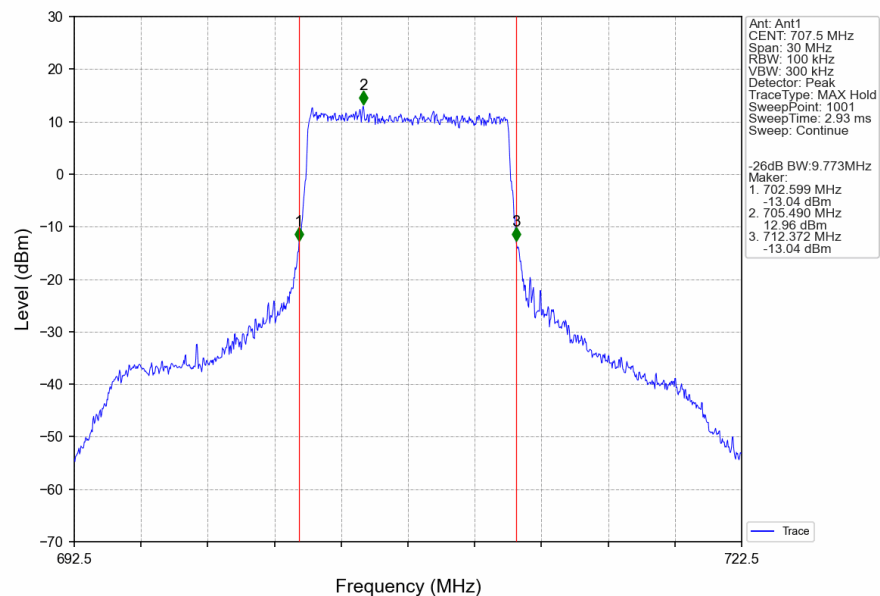
Band12_5MHz_256QAM_MCH_707.5MHz_RB_25_0_NTNV



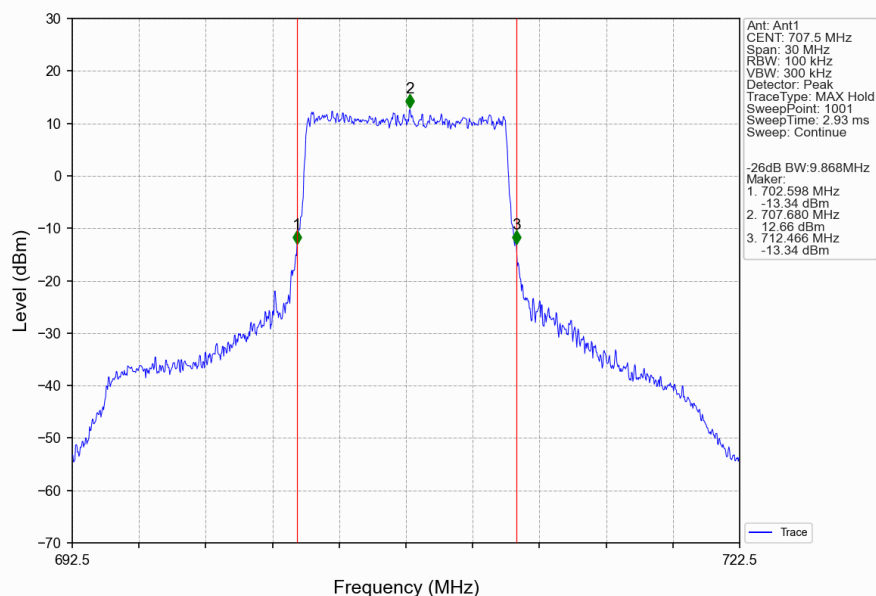
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



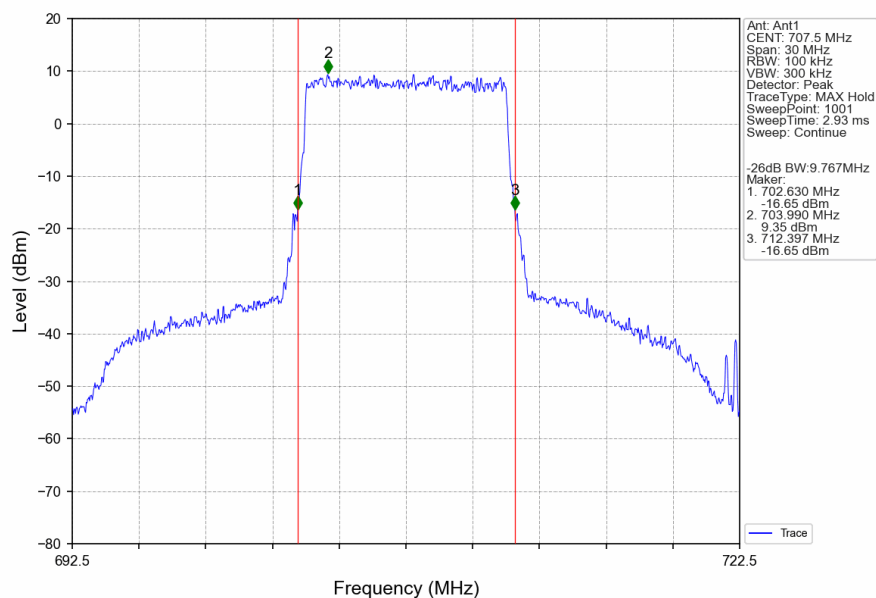
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_MCH_707.5MHz_RB_50_0_NTNV





4. Peak-Average Ratio

4.1 Test Result

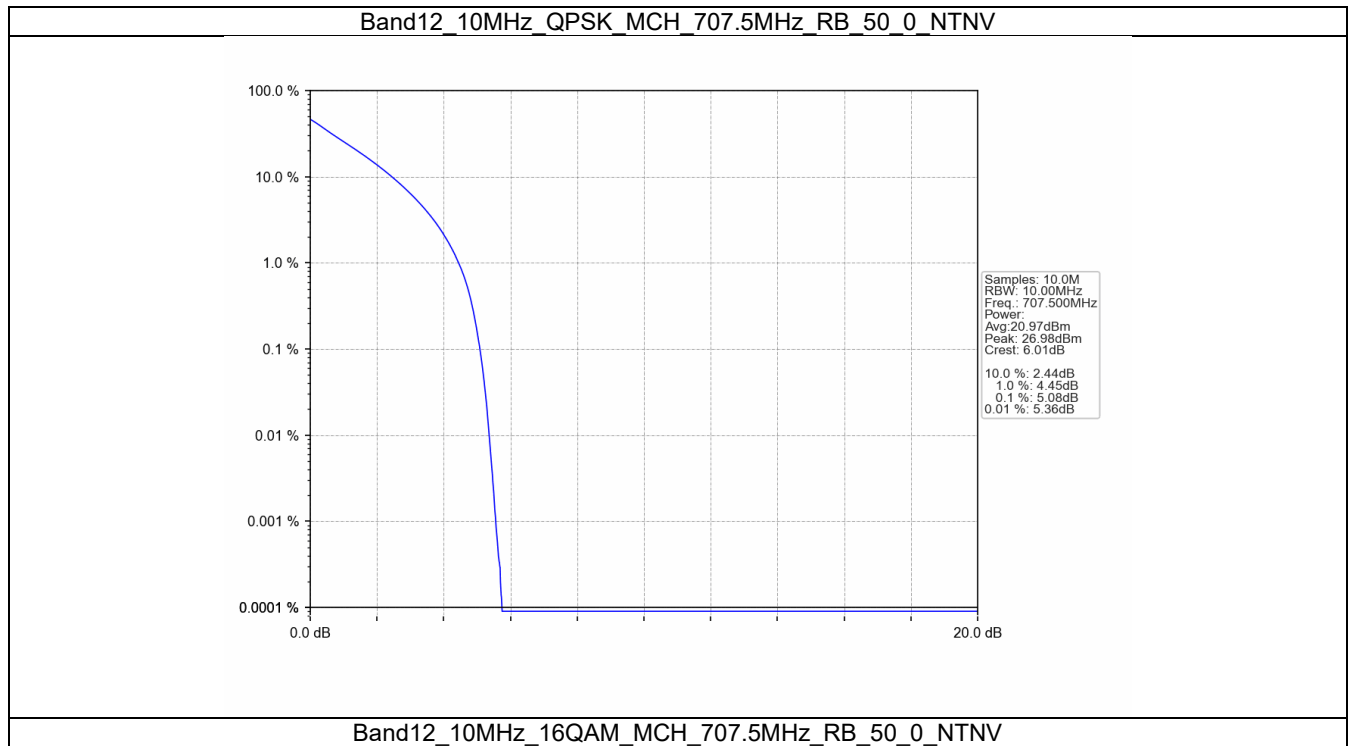
4.1.1 B12_10MHz

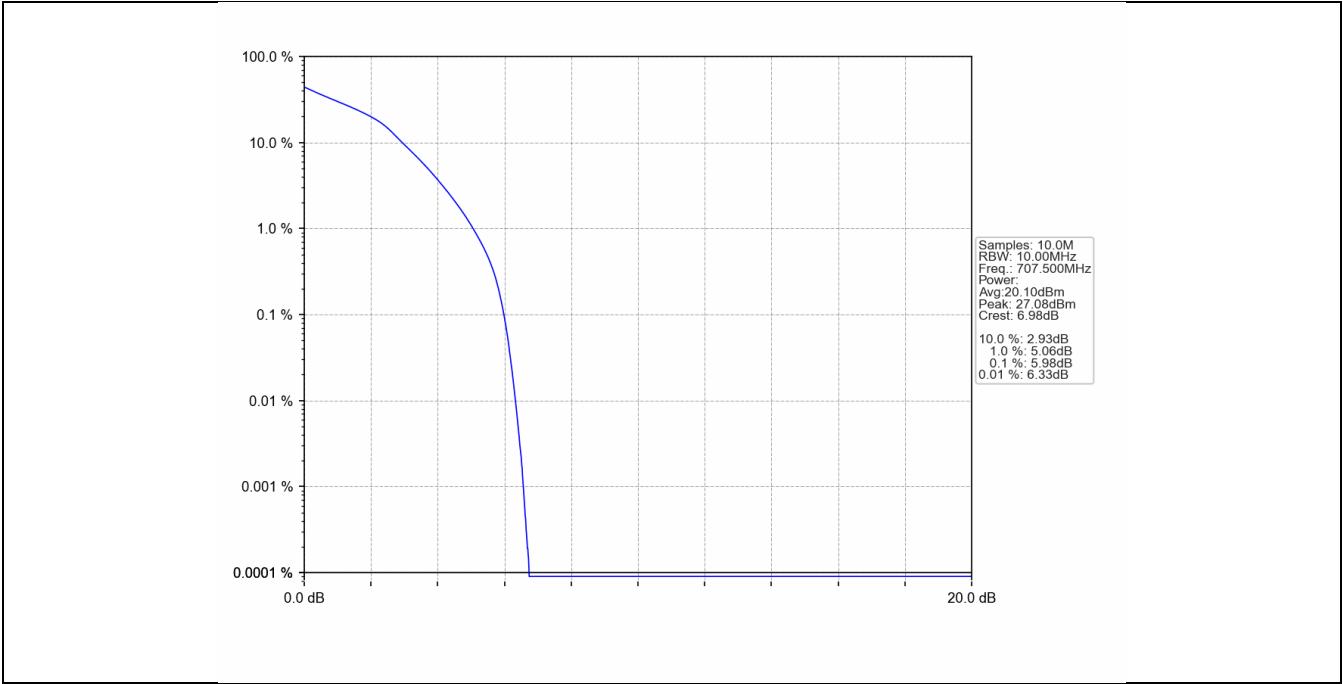
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	5.08	<=13	Pass
16QAM	707.5	50	0	5.98	<=13	Pass
64QAM	707.5	50	0	6.00	<=13	Pass
256QAM	707.5	50	0	6.70	<=13	Pass



4.2 Test Graph

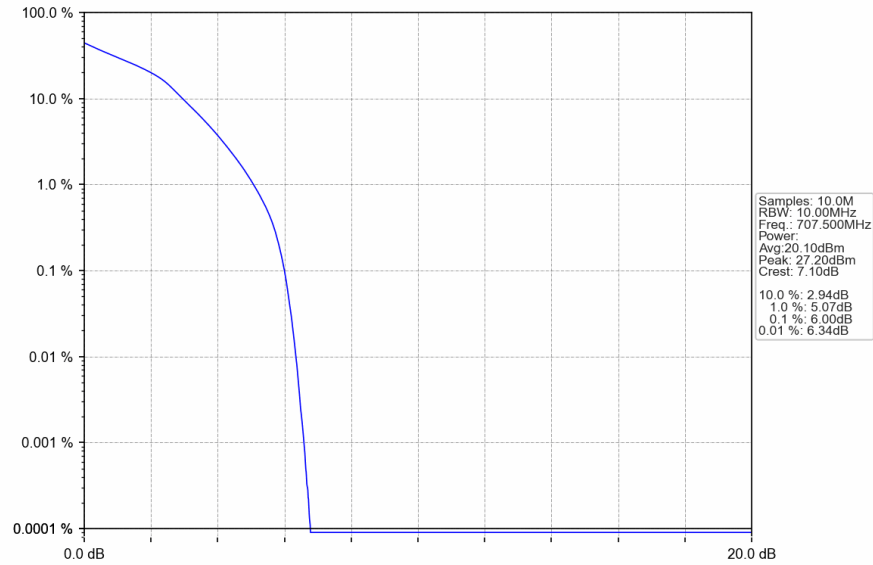
4.2.1 B12_10MHz



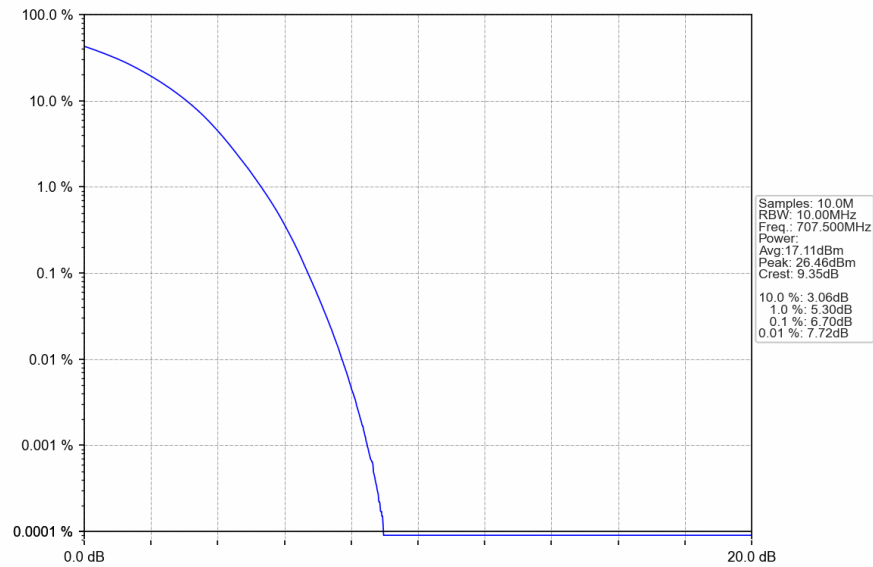




Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



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	
		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 / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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 / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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

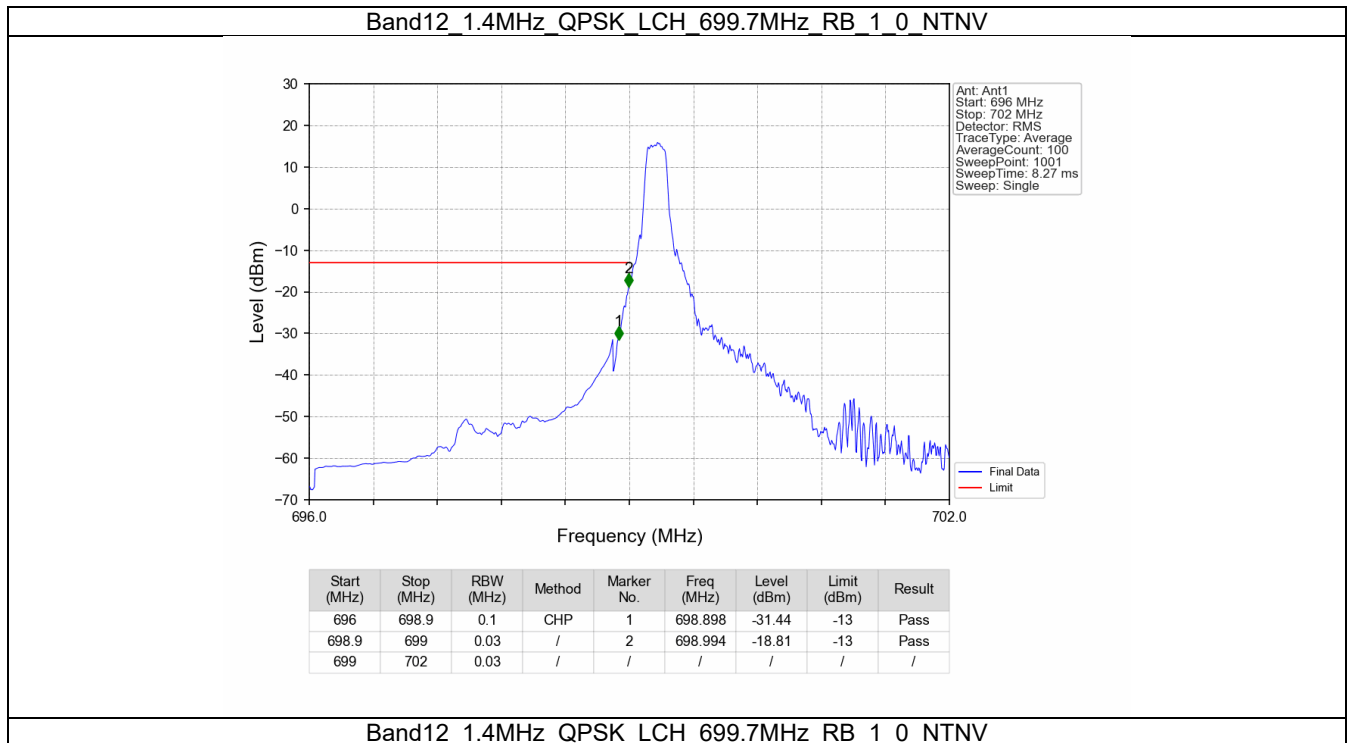
Band: 12 / Bandwidth: 10MHz / NTNV				
Modulation	Frequency	RB Allocation	Spurious Emission	Verdict

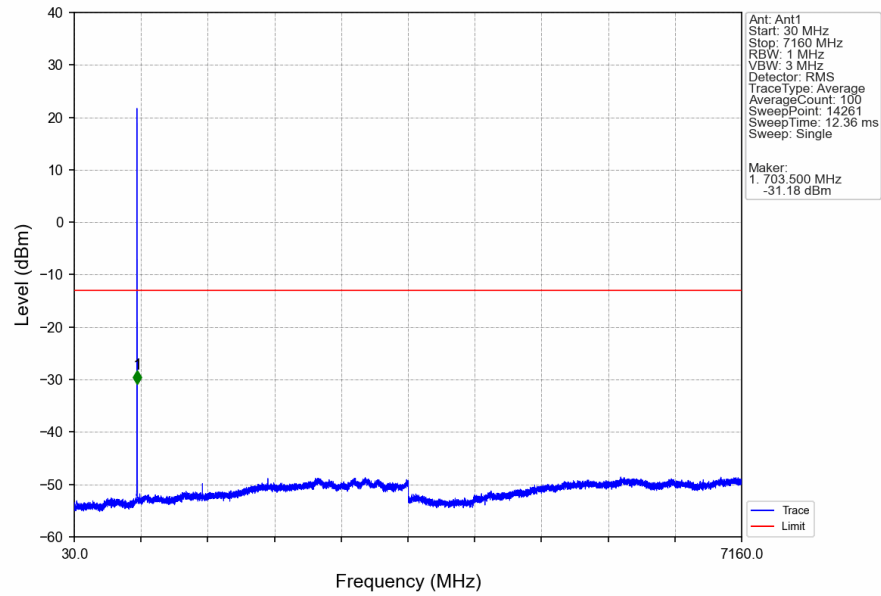


	(MHz)	Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

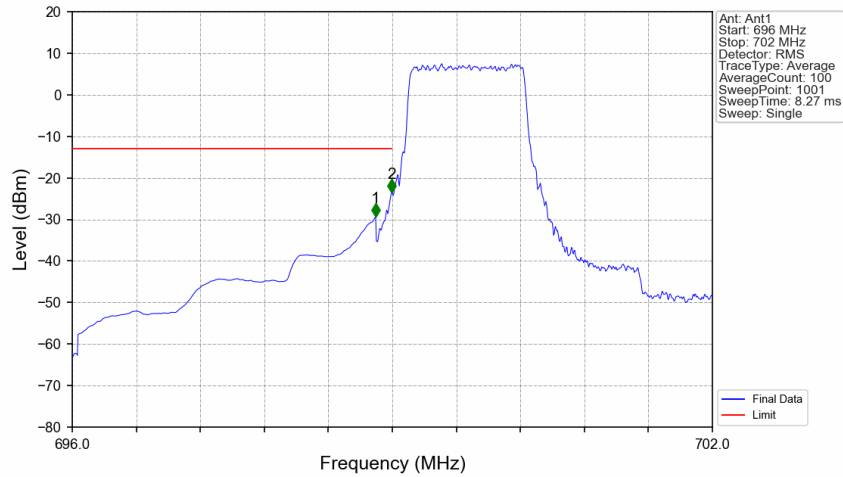
5.2 Test Graph

5.2.1 B12_1.4MHz



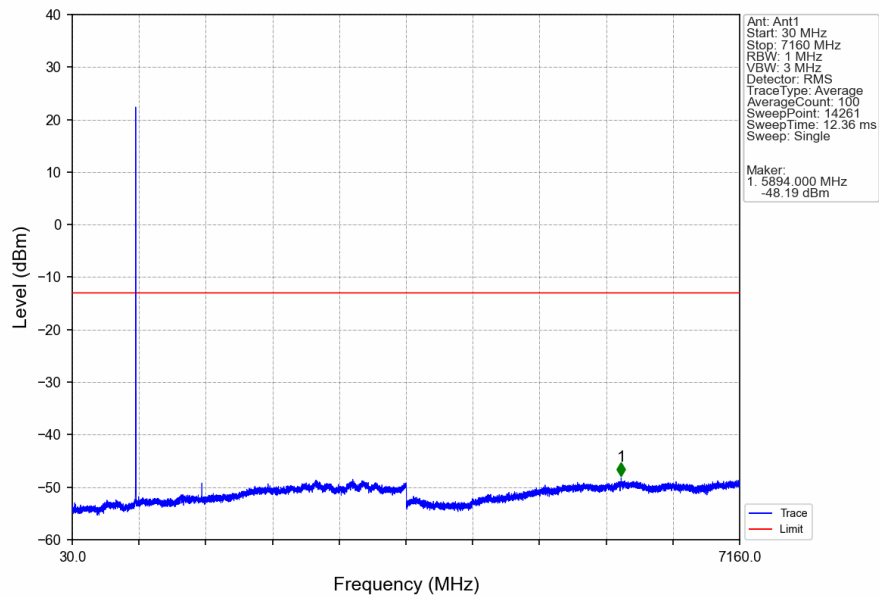


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

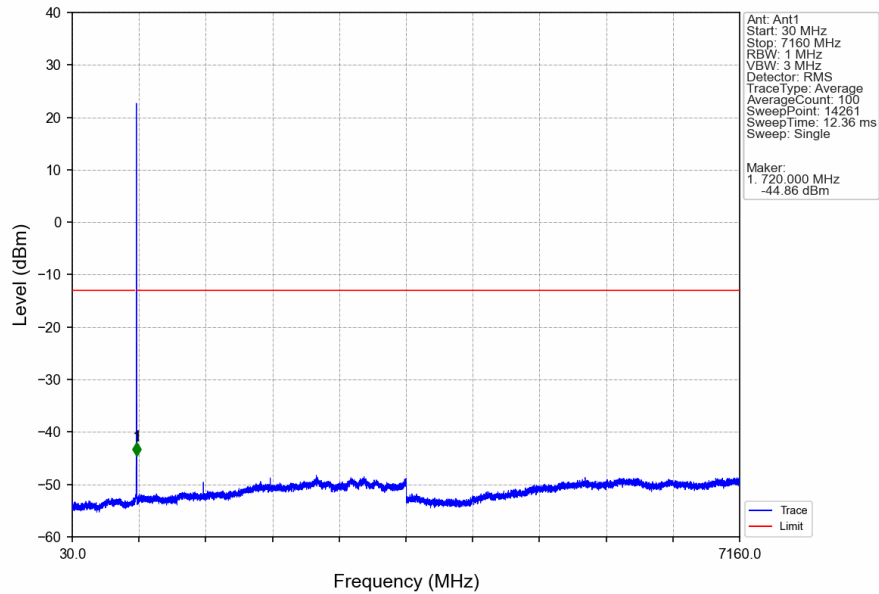


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-29.39	-13	Pass
698.9	699	0.03	/	2	698.994	-23.55	-13	Pass
699	702	0.03	/	/	/	/	/	/

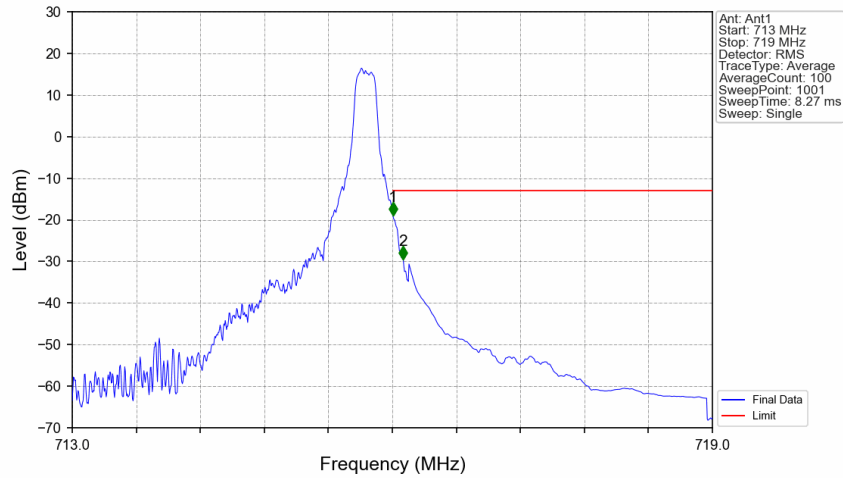
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

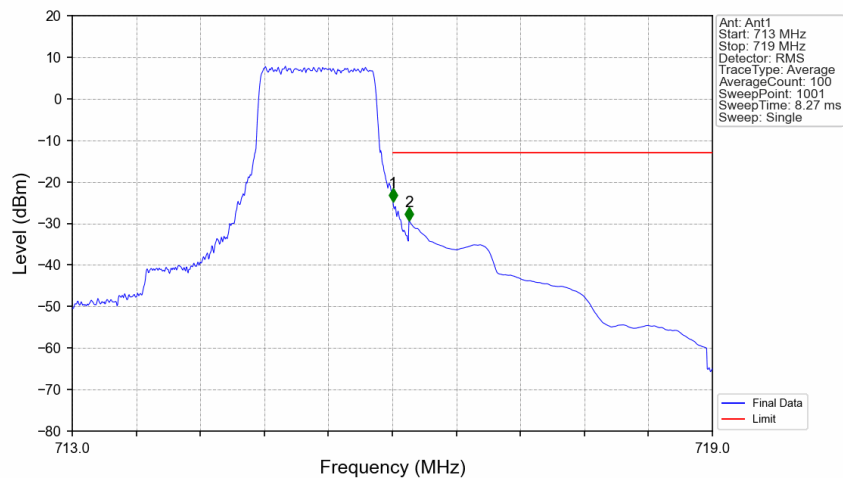


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



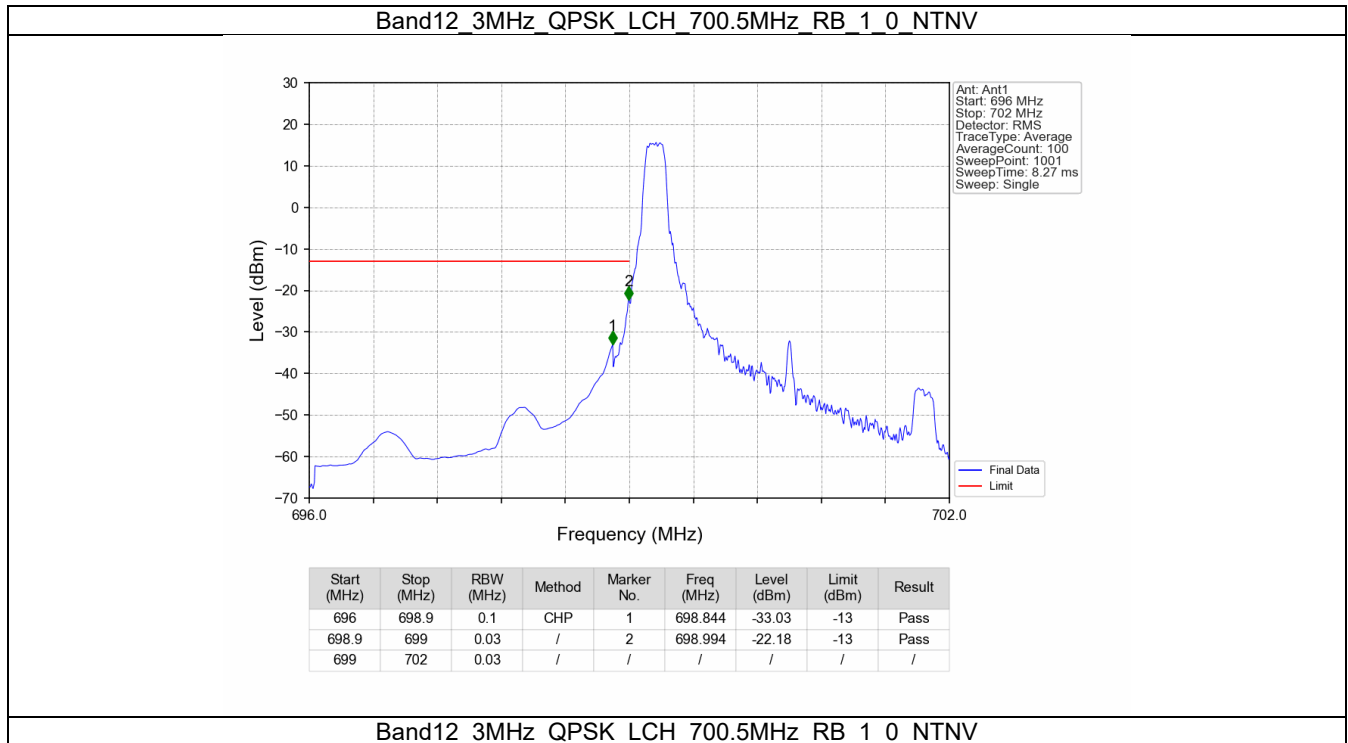
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-19.00	-13	Pass
716.1	719	0.1	CHP	2	716.102	-29.49	-13	Pass

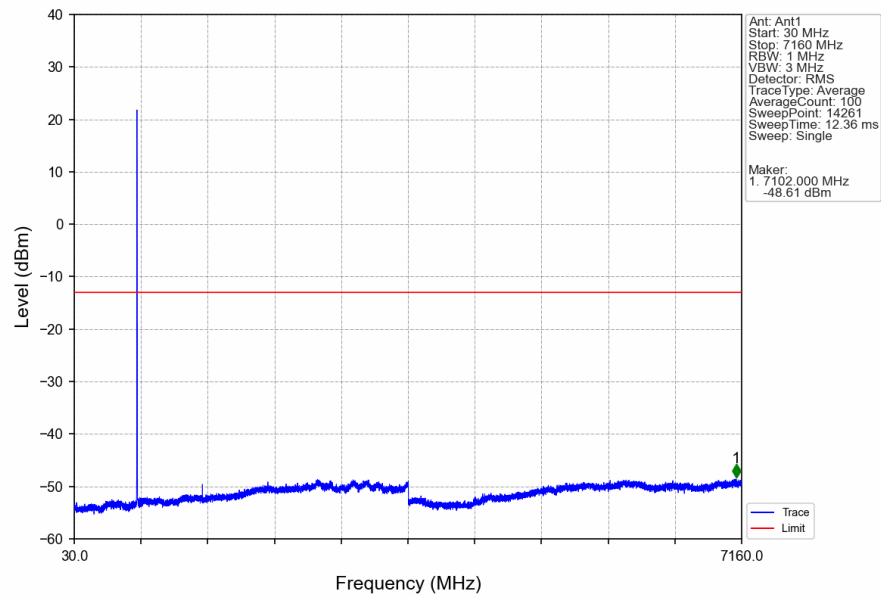
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



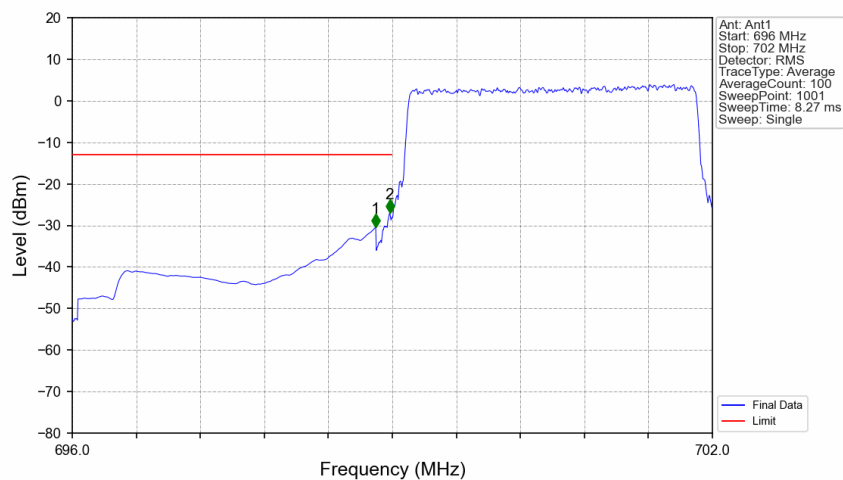
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-24.76	-13	Pass
716.1	719	0.1	CHP	2	716.156	-29.27	-13	Pass

5.2.2 B12_3MHz



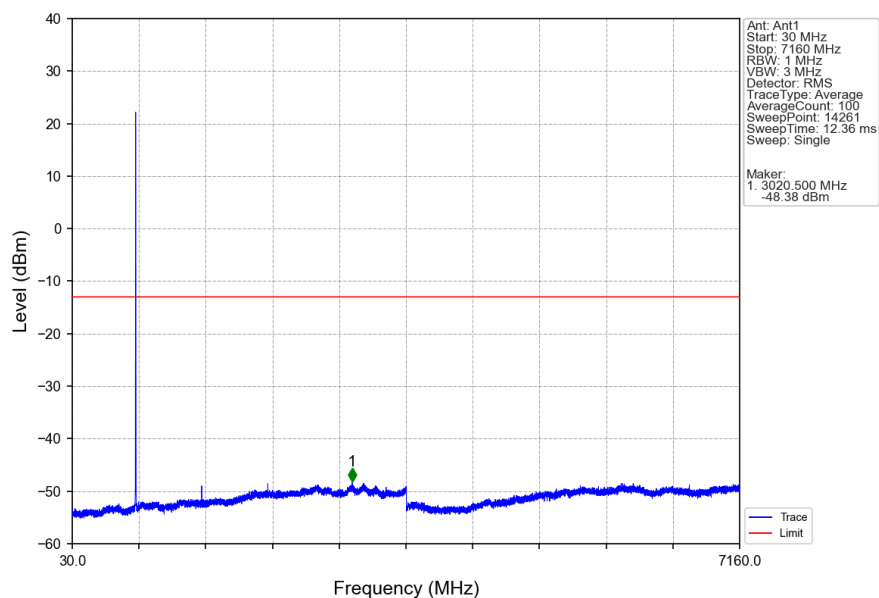


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

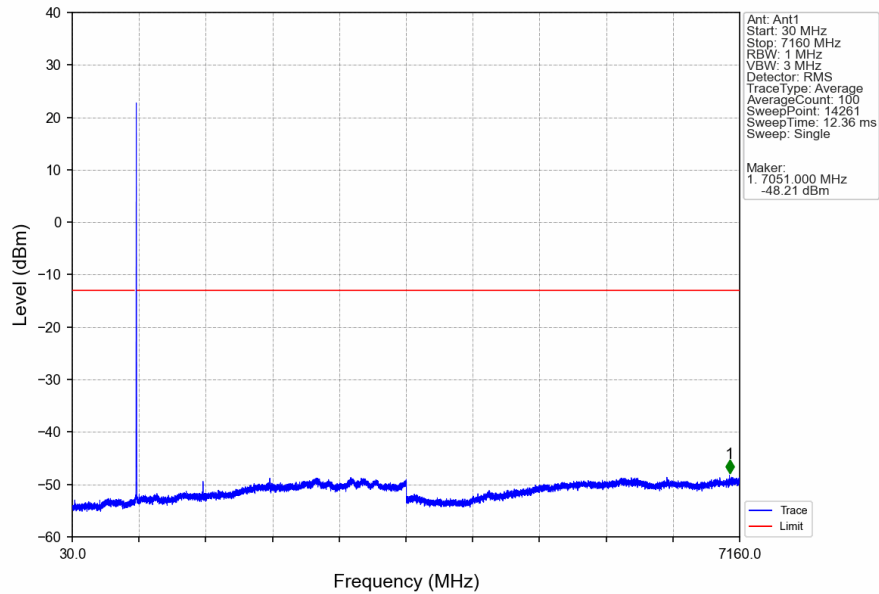


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-30.41	-13	Pass
698.9	699	0.03	/	2	698.976	-27.01	-13	Pass
699	702	0.03	/	/	/	/	/	/

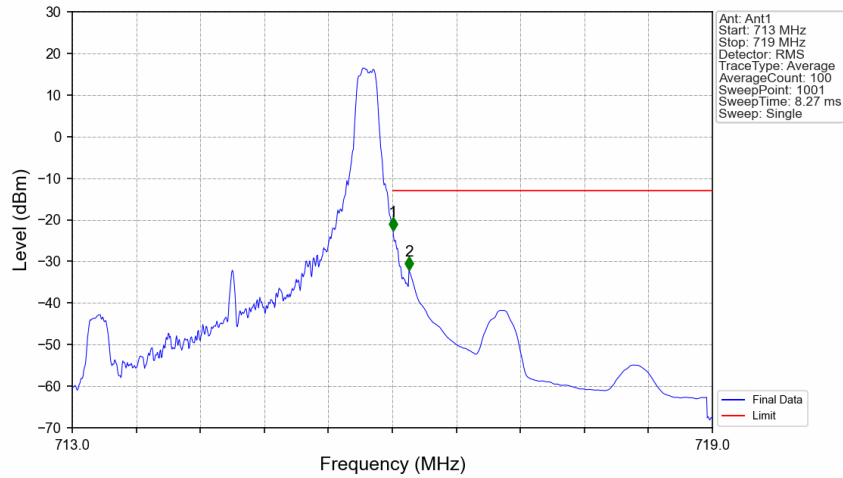
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

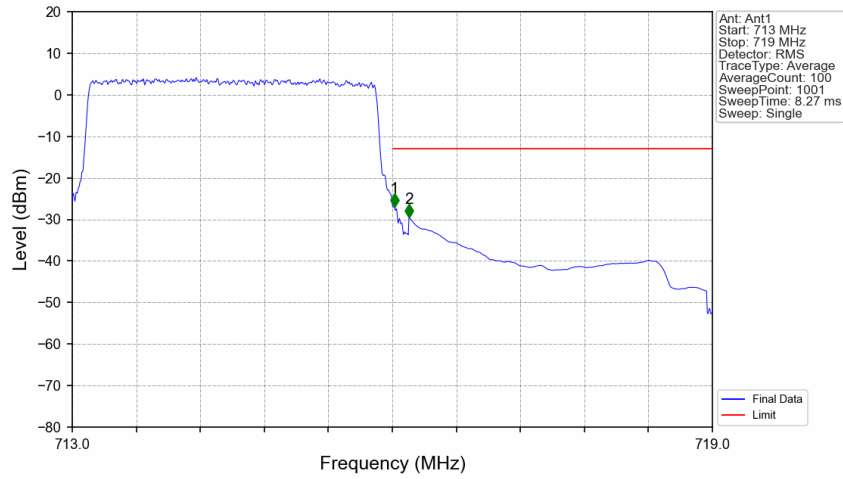


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



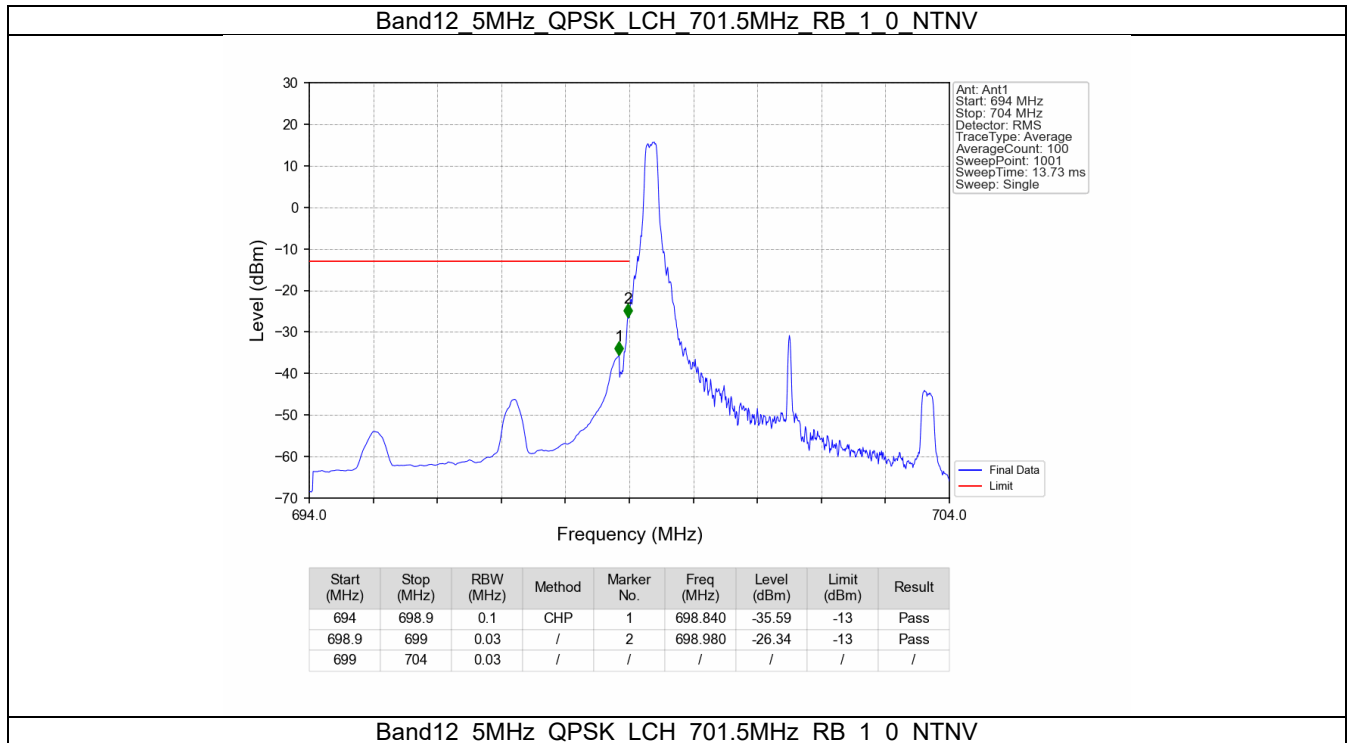
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-22.54	-13	Pass
716.1	719	0.1	CHP	2	716.156	-32.10	-13	Pass

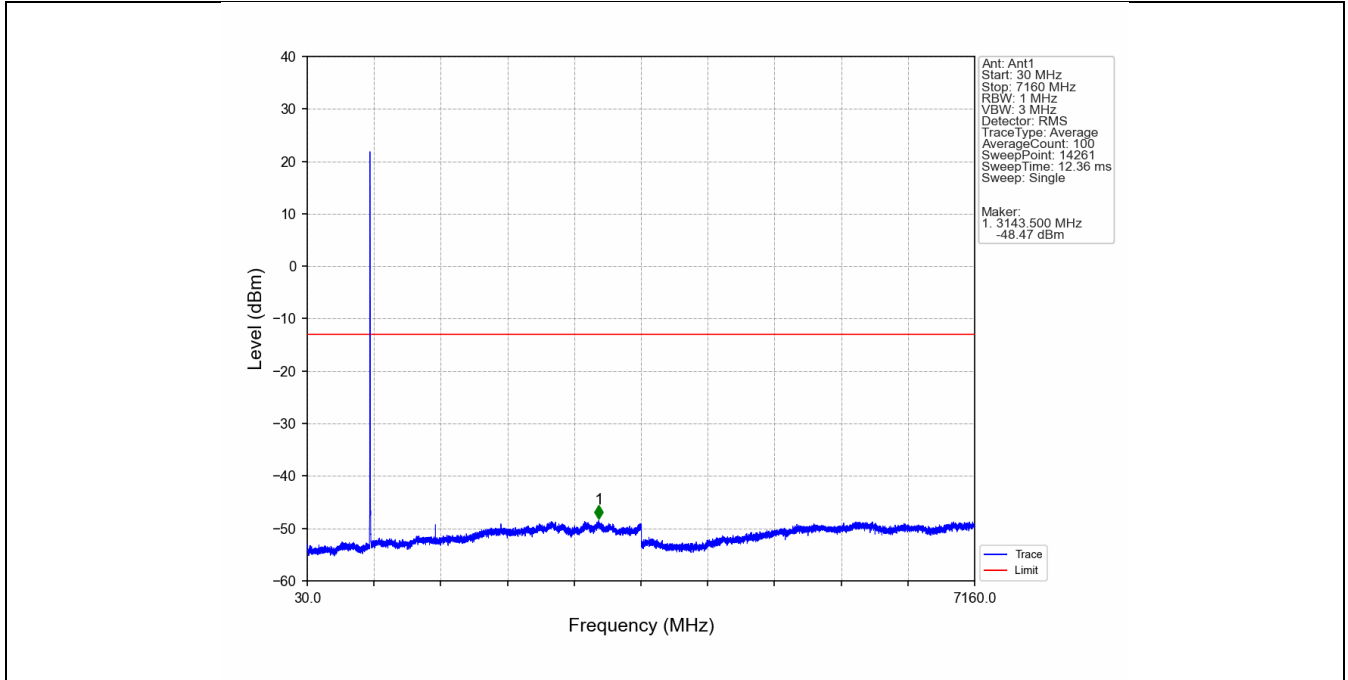
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



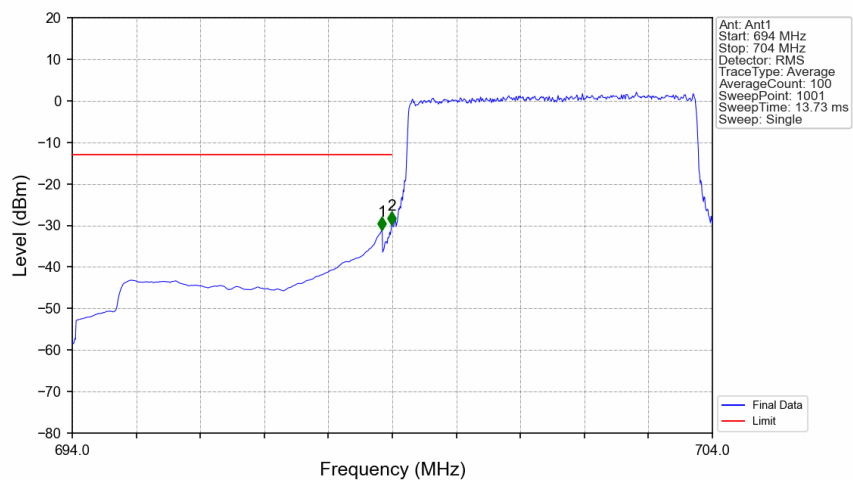
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.018	-26.95	-13	Pass
716.1	719	0.1	CHP	2	716.156	-29.46	-13	Pass

5.2.3 B12_5MHz



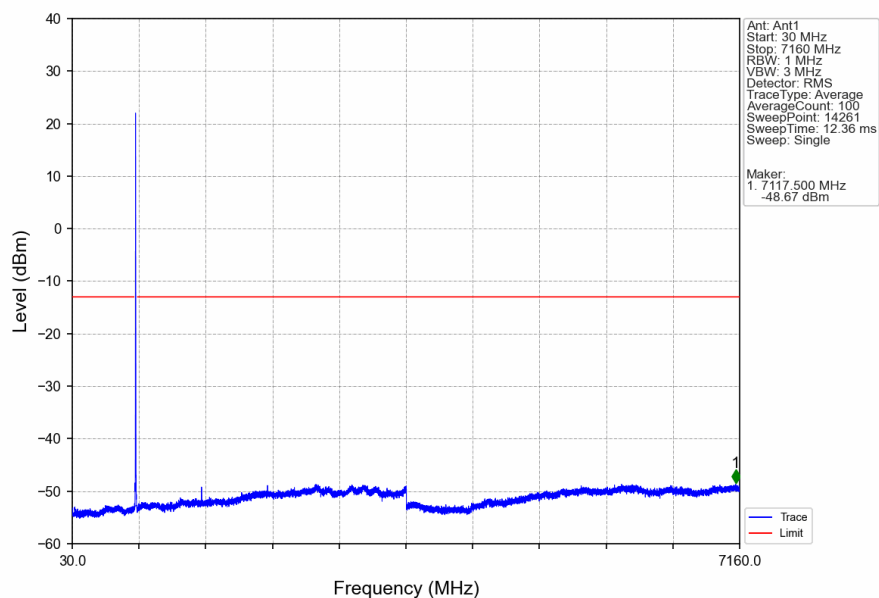


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

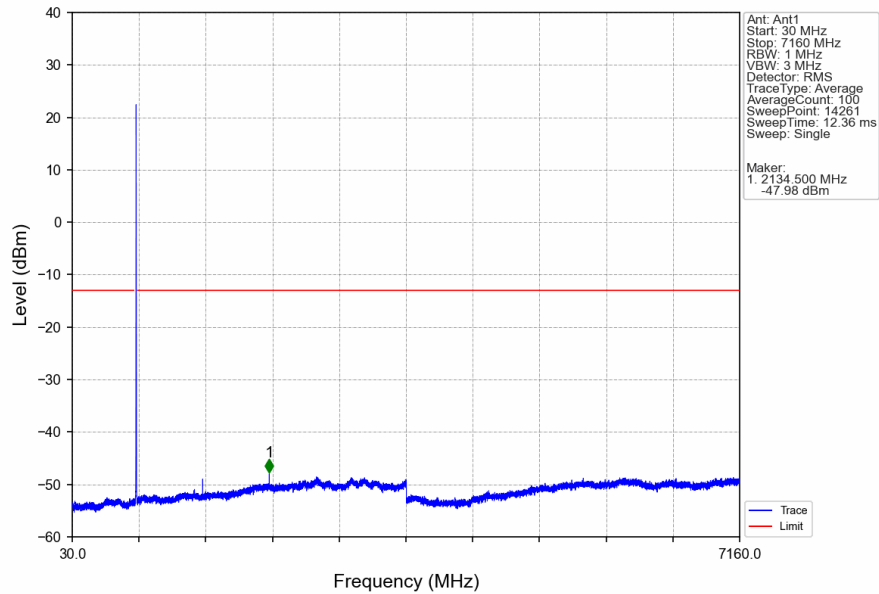


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-31.10	-13	Pass
698.9	699	0.03	/	2	698.990	-29.77	-13	Pass
699	704	0.03	/	/	/	/	/	/

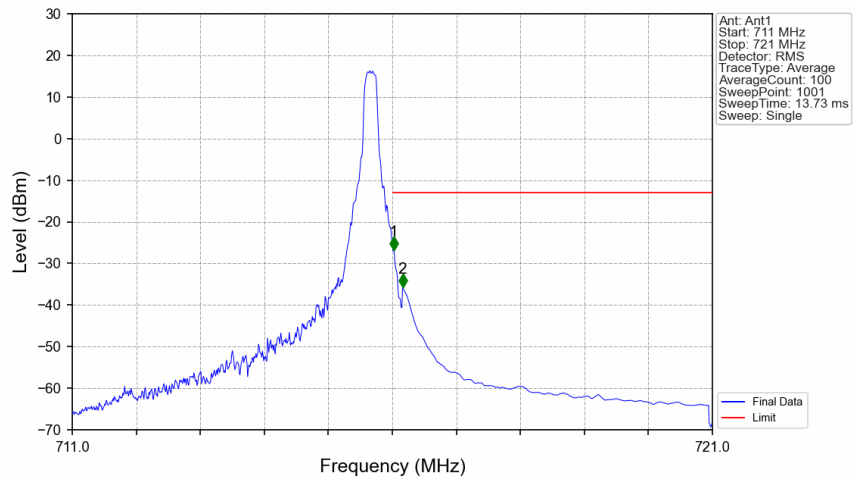
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

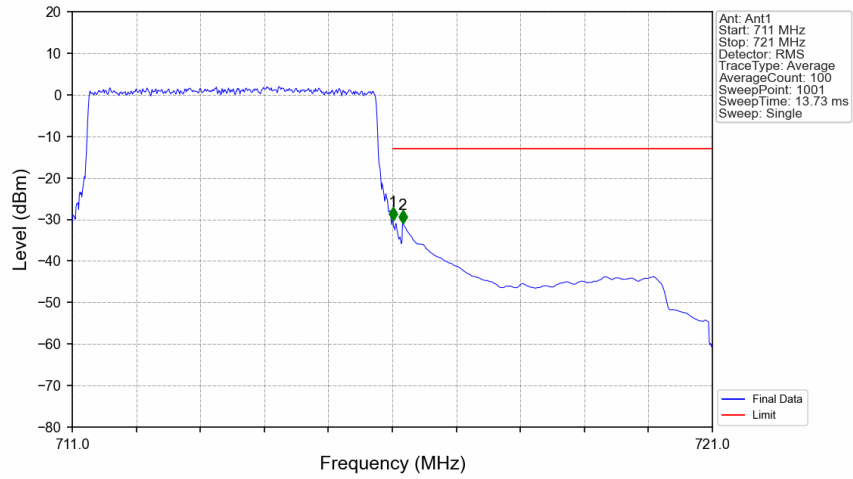


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



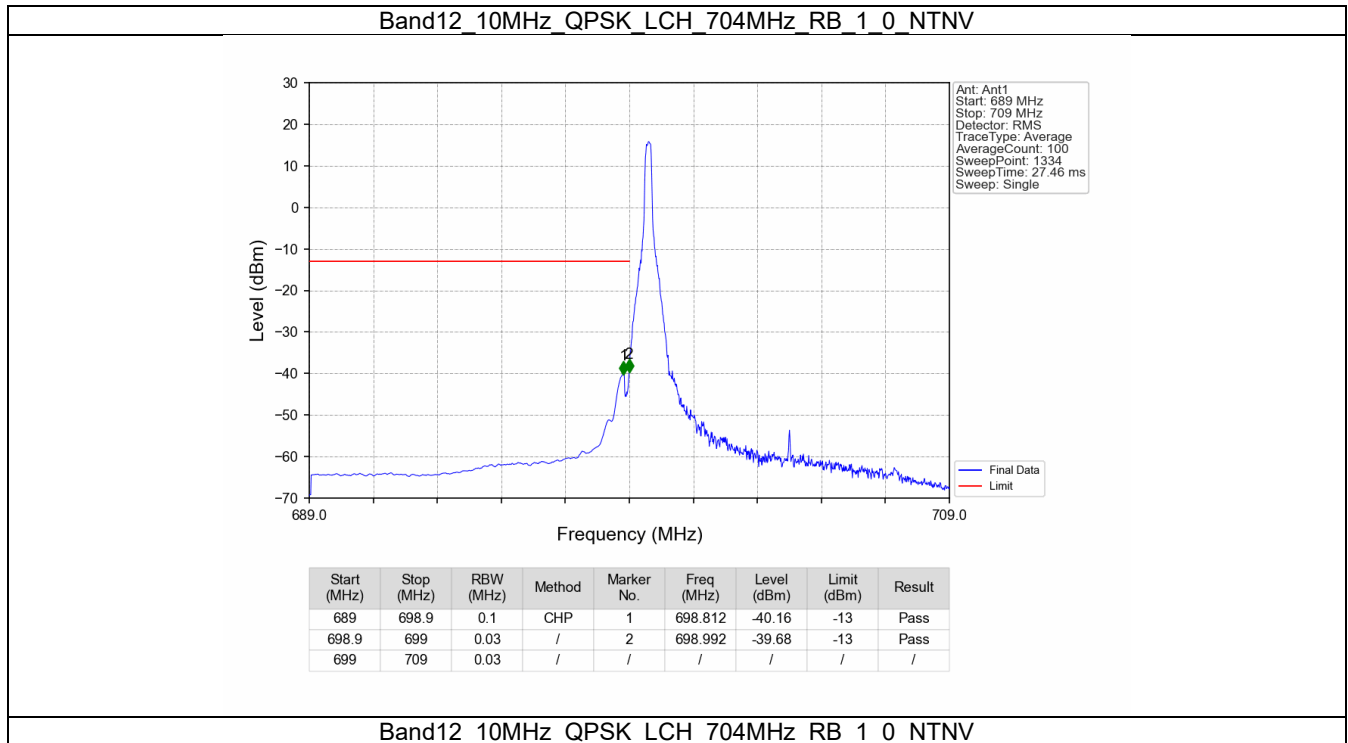
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-26.70	-13	Pass
716.1	721	0.1	CHP	2	716.160	-35.71	-13	Pass

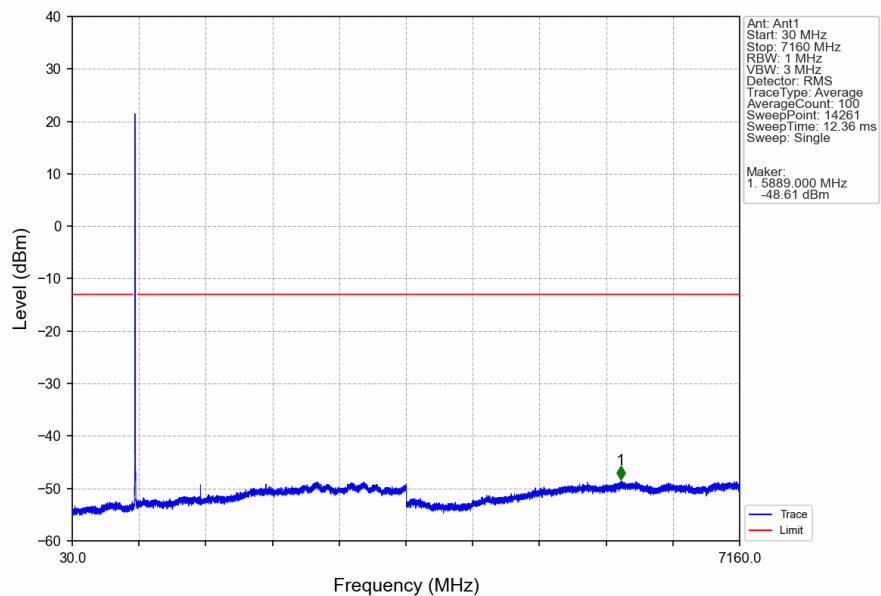
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



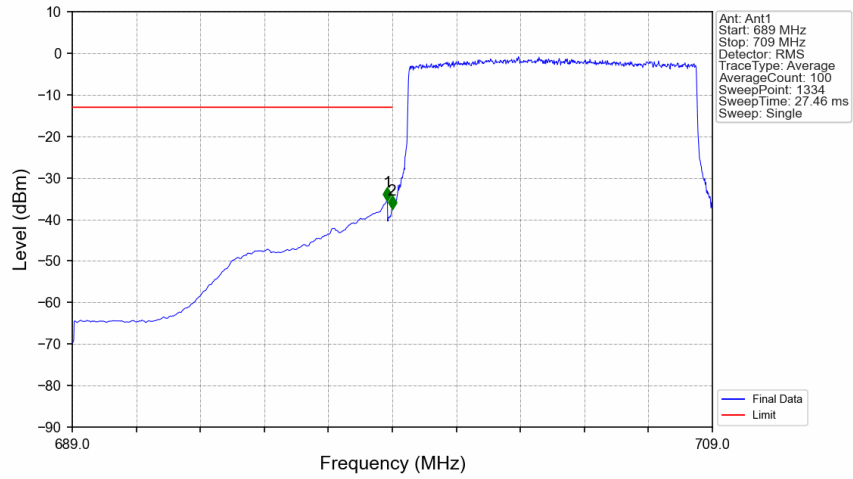
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-30.20	-13	Pass
716.1	721	0.1	CHP	2	716.160	-30.89	-13	Pass

5.2.4 B12_10MHz



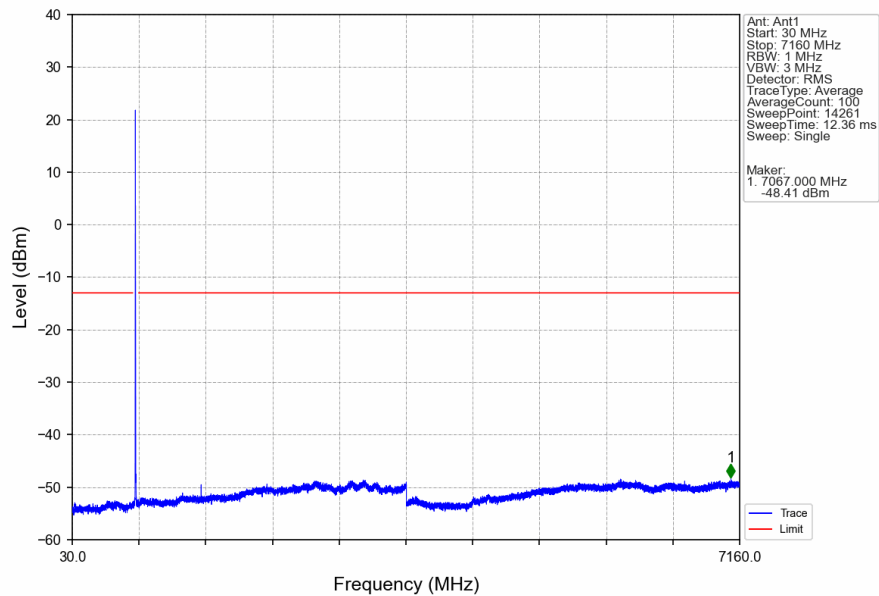


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

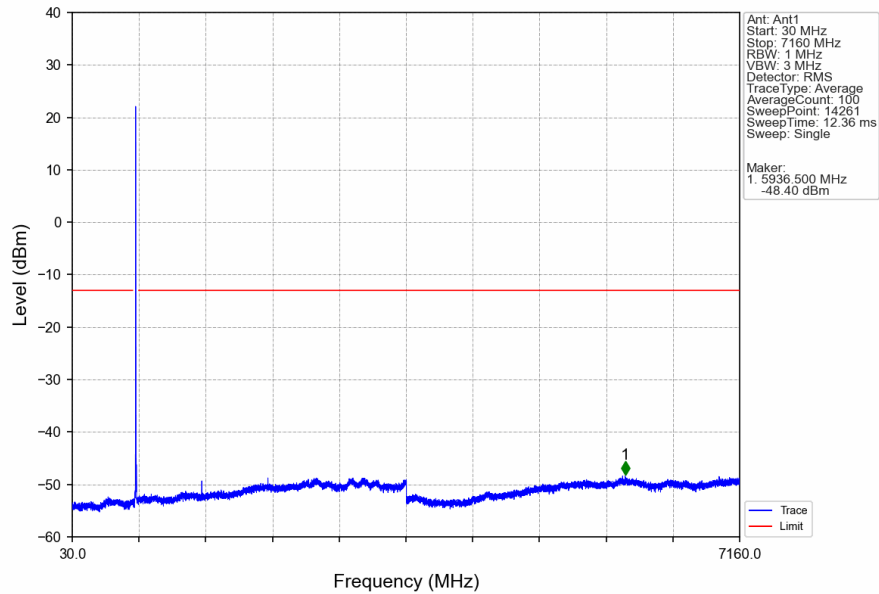


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-35.46	-13	Pass
698.9	699	0.03	/	2	698.992	-37.46	-13	Pass
699	709	0.03	/	/	/	/	/	/

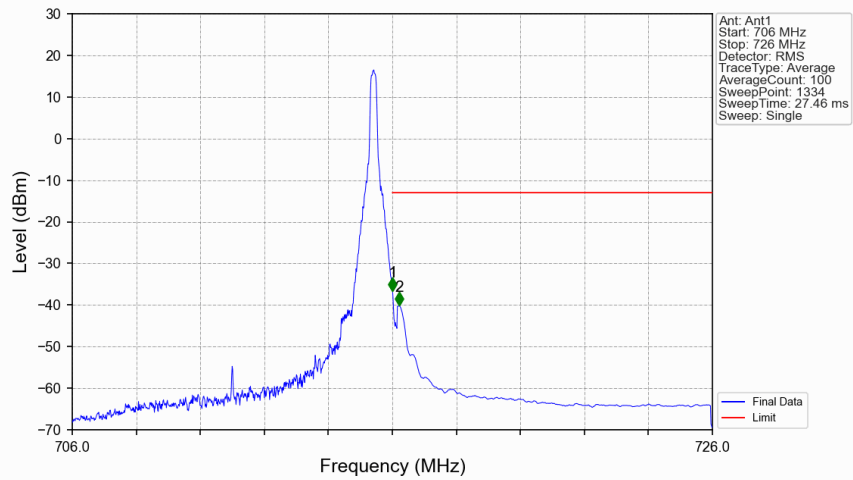
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



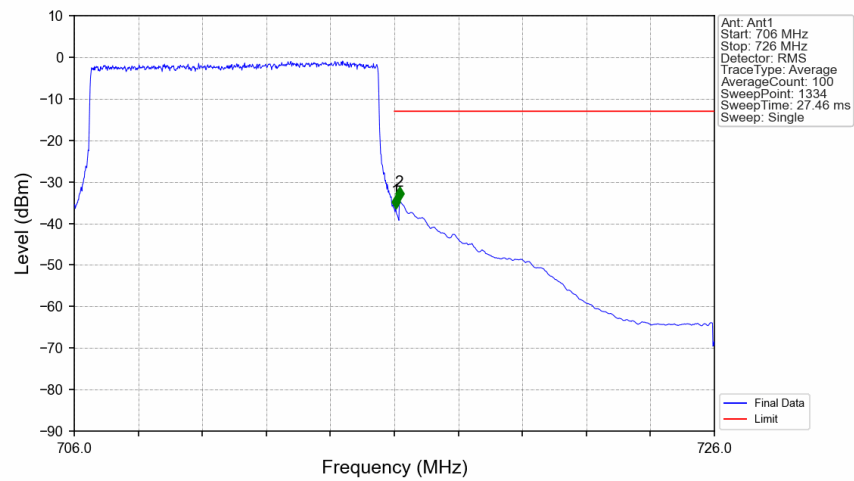
Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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	-36.60	-13	Pass
716.1	726	0.1	CHP	2	716.218	-40.14	-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	716.038	-36.40	-13	Pass
716.1	726	0.1	CHP	2	716.158	-34.41	-13	Pass



6. Frequency Stability (IC)

6.1 Test Result

6.1.1 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTVN									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	OBW (FL - FH) (MHz)		Limit	Verdict
		Size	Offset			FL	FH		
QPSK	707.5	50	0	20	3.27	702.969	712.084	698 to 716	Pass
					3.85	702.981	712.082	698 to 716	Pass
					4.43	702.993	712.062	698 to 716	Pass
				-30	3.85	702.976	712.070	698 to 716	Pass
				-20	3.85	702.981	712.089	698 to 716	Pass
				-10	3.85	702.979	712.065	698 to 716	Pass
				0	3.85	702.975	712.078	698 to 716	Pass
				10	3.85	702.982	712.076	698 to 716	Pass
				30	3.85	702.980	712.068	698 to 716	Pass
				40	3.85	702.985	712.086	698 to 716	Pass
				50	3.85	702.979	712.087	698 to 716	Pass

---End of Attachment---