



Report No.: SEWM2311000456RG01

Rev.: 01

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Appendix B.10

LTE Band 12



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1. Effective (Isotropic) Radiated Power Output Data

1.1 B12_1.4MHz_ERP

1.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	25.16	-4.70	18.31	<=34.77	Pass
			2	25.14	-4.70	18.29	<=34.77	Pass
			5	25.15	-4.70	18.30	<=34.77	Pass
		3	0	25.24	-4.70	18.39	<=34.77	Pass
			2	25.22	-4.70	18.37	<=34.77	Pass
			3	25.22	-4.70	18.37	<=34.77	Pass
		6	0	24.24	-4.70	17.39	<=34.77	Pass
	707.5	1	0	25.11	-4.70	18.26	<=34.77	Pass
			2	25.10	-4.70	18.25	<=34.77	Pass
			5	25.11	-4.70	18.26	<=34.77	Pass
		3	0	25.14	-4.70	18.29	<=34.77	Pass
			2	25.14	-4.70	18.29	<=34.77	Pass
			3	25.13	-4.70	18.28	<=34.77	Pass
		6	0	24.08	-4.70	17.23	<=34.77	Pass
	715.3	1	0	25.02	-4.70	18.17	<=34.77	Pass
			2	25.02	-4.70	18.17	<=34.77	Pass
			5	25.05	-4.70	18.20	<=34.77	Pass
		3	0	25.05	-4.70	18.20	<=34.77	Pass
			2	25.08	-4.70	18.23	<=34.77	Pass
			3	25.05	-4.70	18.20	<=34.77	Pass
		6	0	24.11	-4.70	17.26	<=34.77	Pass
16QAM	699.7	1	0	24.39	-4.70	17.54	<=34.77	Pass
			2	24.35	-4.70	17.50	<=34.77	Pass
			5	24.38	-4.70	17.53	<=34.77	Pass
		3	0	24.21	-4.70	17.36	<=34.77	Pass
			2	24.19	-4.70	17.34	<=34.77	Pass
			3	24.18	-4.70	17.33	<=34.77	Pass
		6	0	23.20	-4.70	16.35	<=34.77	Pass
	707.5	1	0	24.15	-4.70	17.30	<=34.77	Pass
			2	24.14	-4.70	17.29	<=34.77	Pass
			5	24.18	-4.70	17.33	<=34.77	Pass
		3	0	24.13	-4.70	17.28	<=34.77	Pass
			2	24.12	-4.70	17.27	<=34.77	Pass
			3	24.13	-4.70	17.28	<=34.77	Pass
		6	0	23.03	-4.70	16.18	<=34.77	Pass
	715.3	1	0	24.31	-4.70	17.46	<=34.77	Pass
			2	24.32	-4.70	17.47	<=34.77	Pass
			5	24.34	-4.70	17.49	<=34.77	Pass
		3	0	24.13	-4.70	17.28	<=34.77	Pass



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64QAM	699.7	6	2	24.14	-4.70	17.29	<=34.77	Pass
			3	24.12	-4.70	17.27	<=34.77	Pass
			0	23.11	-4.70	16.26	<=34.77	Pass
		1	0	23.21	-4.70	16.36	<=34.77	Pass
			2	23.12	-4.70	16.27	<=34.77	Pass
			5	23.22	-4.70	16.37	<=34.77	Pass
		3	0	23.24	-4.70	16.39	<=34.77	Pass
			2	23.24	-4.70	16.39	<=34.77	Pass
			3	23.24	-4.70	16.39	<=34.77	Pass
		6	0	22.40	-4.70	15.55	<=34.77	Pass
	707.5	1	0	23.93	-4.70	17.08	<=34.77	Pass
			2	23.91	-4.70	17.06	<=34.77	Pass
			5	23.92	-4.70	17.07	<=34.77	Pass
		3	0	23.90	-4.70	17.05	<=34.77	Pass
			2	23.92	-4.70	17.07	<=34.77	Pass
			3	23.92	-4.70	17.07	<=34.77	Pass
		6	0	23.93	-4.70	17.08	<=34.77	Pass
	715.3	1	0	23.43	-4.70	16.58	<=34.77	Pass
			2	23.43	-4.70	16.58	<=34.77	Pass
			5	23.44	-4.70	16.59	<=34.77	Pass
		3	0	23.44	-4.70	16.59	<=34.77	Pass
			2	23.44	-4.70	16.59	<=34.77	Pass
			3	23.44	-4.70	16.59	<=34.77	Pass
		6	0	23.43	-4.70	16.58	<=34.77	Pass
256QAM	699.7	1	0	20.41	-4.70	13.56	<=34.77	Pass
			2	20.47	-4.70	13.62	<=34.77	Pass
			5	20.47	-4.70	13.62	<=34.77	Pass
		3	0	20.37	-4.70	13.52	<=34.77	Pass
			2	20.36	-4.70	13.51	<=34.77	Pass
			3	20.36	-4.70	13.51	<=34.77	Pass
		6	0	20.45	-4.70	13.60	<=34.77	Pass
	707.5	1	0	20.70	-4.70	13.85	<=34.77	Pass
			2	20.77	-4.70	13.92	<=34.77	Pass
			5	20.75	-4.70	13.90	<=34.77	Pass
		3	0	20.38	-4.70	13.53	<=34.77	Pass
			2	20.39	-4.70	13.54	<=34.77	Pass
			3	20.40	-4.70	13.55	<=34.77	Pass
		6	0	20.42	-4.70	13.57	<=34.77	Pass
	715.3	1	0	20.39	-4.70	13.54	<=34.77	Pass
			2	20.36	-4.70	13.51	<=34.77	Pass
			5	20.45	-4.70	13.60	<=34.77	Pass
		3	0	20.42	-4.70	13.57	<=34.77	Pass
			2	20.48	-4.70	13.63	<=34.77	Pass
			3	20.47	-4.70	13.62	<=34.77	Pass
		6	0	20.69	-4.70	13.84	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15



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1.2 B12_3MHz_ERP

1.2.1 Test Result

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	25.25	-4.70	18.40	<=34.77	Pass
			7	25.18	-4.70	18.33	<=34.77	Pass
			14	25.20	-4.70	18.35	<=34.77	Pass
		8	0	24.19	-4.70	17.34	<=34.77	Pass
			4	24.17	-4.70	17.32	<=34.77	Pass
			7	24.02	-4.70	17.17	<=34.77	Pass
		15	0	24.18	-4.70	17.33	<=34.77	Pass
	707.5	1	0	25.23	-4.70	18.38	<=34.77	Pass
			7	25.18	-4.70	18.33	<=34.77	Pass
			14	25.16	-4.70	18.31	<=34.77	Pass
		8	0	24.15	-4.70	17.30	<=34.77	Pass
			4	24.13	-4.70	17.28	<=34.77	Pass
			7	24.11	-4.70	17.26	<=34.77	Pass
		15	0	24.14	-4.70	17.29	<=34.77	Pass
	714.5	1	0	25.19	-4.70	18.34	<=34.77	Pass
			7	25.17	-4.70	18.32	<=34.77	Pass
			14	25.17	-4.70	18.32	<=34.77	Pass
		8	0	24.10	-4.70	17.25	<=34.77	Pass
			4	24.07	-4.70	17.22	<=34.77	Pass
			7	24.08	-4.70	17.23	<=34.77	Pass
		15	0	24.10	-4.70	17.25	<=34.77	Pass
16QAM	700.5	1	0	24.77	-4.70	17.92	<=34.77	Pass
			7	24.20	-4.70	17.35	<=34.77	Pass
			14	24.23	-4.70	17.38	<=34.77	Pass
		8	0	23.31	-4.70	16.46	<=34.77	Pass
			4	23.27	-4.70	16.42	<=34.77	Pass
			7	23.27	-4.70	16.42	<=34.77	Pass
		15	0	23.28	-4.70	16.43	<=34.77	Pass
	707.5	1	0	24.71	-4.70	17.86	<=34.77	Pass
			7	24.71	-4.70	17.86	<=34.77	Pass
			14	24.66	-4.70	17.81	<=34.77	Pass
		8	0	23.31	-4.70	16.46	<=34.77	Pass
			4	23.26	-4.70	16.41	<=34.77	Pass
			7	23.28	-4.70	16.43	<=34.77	Pass
		15	0	23.22	-4.70	16.37	<=34.77	Pass
	714.5	1	0	24.63	-4.70	17.78	<=34.77	Pass
			7	24.64	-4.70	17.79	<=34.77	Pass
			14	24.60	-4.70	17.75	<=34.77	Pass
		8	0	23.27	-4.70	16.42	<=34.77	Pass
			4	23.27	-4.70	16.42	<=34.77	Pass
			7	23.26	-4.70	16.41	<=34.77	Pass



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		15	0	23.18	-4.70	16.33	<=34.77	Pass	
64QAM	700.5	1	0	23.30	-4.70	16.45	<=34.77	Pass	
			7	23.28	-4.70	16.43	<=34.77	Pass	
			14	23.29	-4.70	16.44	<=34.77	Pass	
			0	23.29	-4.70	16.44	<=34.77	Pass	
		8	4	23.30	-4.70	16.45	<=34.77	Pass	
			7	23.28	-4.70	16.43	<=34.77	Pass	
			15	0	23.27	-4.70	16.42	<=34.77	Pass
		707.5	1	0	23.32	-4.70	16.47	<=34.77	Pass
				7	23.32	-4.70	16.47	<=34.77	Pass
				14	23.31	-4.70	16.46	<=34.77	Pass
	0			23.32	-4.70	16.47	<=34.77	Pass	
	8		4	23.31	-4.70	16.46	<=34.77	Pass	
			7	23.30	-4.70	16.45	<=34.77	Pass	
			15	0	23.30	-4.70	16.45	<=34.77	Pass
	714.5		1	0	23.62	-4.70	16.77	<=34.77	Pass
		7		23.64	-4.70	16.79	<=34.77	Pass	
		14		23.62	-4.70	16.77	<=34.77	Pass	
		0		23.61	-4.70	16.76	<=34.77	Pass	
		8	4	23.61	-4.70	16.76	<=34.77	Pass	
			7	23.64	-4.70	16.79	<=34.77	Pass	
			15	0	23.62	-4.70	16.77	<=34.77	Pass
256QAM		700.5	1	0	20.78	-4.70	13.93	<=34.77	Pass
	7			20.86	-4.70	14.01	<=34.77	Pass	
	14			20.85	-4.70	14.00	<=34.77	Pass	
	0			20.51	-4.70	13.66	<=34.77	Pass	
	8		4	20.51	-4.70	13.66	<=34.77	Pass	
			7	20.53	-4.70	13.68	<=34.77	Pass	
			15	0	20.48	-4.70	13.63	<=34.77	Pass
	707.5	1	0	20.33	-4.70	13.48	<=34.77	Pass	
			7	20.33	-4.70	13.48	<=34.77	Pass	
			14	20.31	-4.70	13.46	<=34.77	Pass	
			0	20.43	-4.70	13.58	<=34.77	Pass	
		8	4	20.42	-4.70	13.57	<=34.77	Pass	
			7	20.42	-4.70	13.57	<=34.77	Pass	
			15	0	20.58	-4.70	13.73	<=34.77	Pass
	714.5	1	0	20.62	-4.70	13.77	<=34.77	Pass	
			7	20.67	-4.70	13.82	<=34.77	Pass	
			14	20.70	-4.70	13.85	<=34.77	Pass	
			0	20.65	-4.70	13.80	<=34.77	Pass	
		8	4	20.68	-4.70	13.83	<=34.77	Pass	
			7	20.68	-4.70	13.83	<=34.77	Pass	
			15	0	20.60	-4.70	13.75	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15									

Note1: ERP=Conducted Power+Antenna Gain-2.15



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1.3 B12_5MHz_ERP

1.3.1 Test Result

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	25.36	-4.70	18.51	<=34.77	Pass
			13	25.32	-4.70	18.47	<=34.77	Pass
			24	25.32	-4.70	18.47	<=34.77	Pass
		12	0	24.23	-4.70	17.38	<=34.77	Pass
			6	24.23	-4.70	17.38	<=34.77	Pass
			13	24.22	-4.70	17.37	<=34.77	Pass
		25	0	24.26	-4.70	17.41	<=34.77	Pass
	707.5	1	0	25.23	-4.70	18.38	<=34.77	Pass
			13	25.15	-4.70	18.30	<=34.77	Pass
			24	25.17	-4.70	18.32	<=34.77	Pass
		12	0	24.19	-4.70	17.34	<=34.77	Pass
			6	24.16	-4.70	17.31	<=34.77	Pass
			13	24.15	-4.70	17.30	<=34.77	Pass
		25	0	24.19	-4.70	17.34	<=34.77	Pass
	713.5	1	0	25.18	-4.70	18.33	<=34.77	Pass
			13	25.16	-4.70	18.31	<=34.77	Pass
			24	25.19	-4.70	18.34	<=34.77	Pass
		12	0	24.09	-4.70	17.24	<=34.77	Pass
			6	24.08	-4.70	17.23	<=34.77	Pass
			13	24.09	-4.70	17.24	<=34.77	Pass
		25	0	24.14	-4.70	17.29	<=34.77	Pass
16QAM	701.5	1	0	24.13	-4.70	17.28	<=34.77	Pass
			13	24.11	-4.70	17.26	<=34.77	Pass
			24	24.09	-4.70	17.24	<=34.77	Pass
		12	0	23.25	-4.70	16.40	<=34.77	Pass
			6	23.25	-4.70	16.40	<=34.77	Pass
			13	23.25	-4.70	16.40	<=34.77	Pass
		25	0	23.27	-4.70	16.42	<=34.77	Pass
	707.5	1	0	24.49	-4.70	17.64	<=34.77	Pass
			13	24.41	-4.70	17.56	<=34.77	Pass
			24	24.41	-4.70	17.56	<=34.77	Pass
		12	0	23.22	-4.70	16.37	<=34.77	Pass
			6	23.17	-4.70	16.32	<=34.77	Pass
			13	23.17	-4.70	16.32	<=34.77	Pass
		25	0	23.18	-4.70	16.33	<=34.77	Pass
	713.5	1	0	24.23	-4.70	17.38	<=34.77	Pass
			13	24.20	-4.70	17.35	<=34.77	Pass
			24	24.20	-4.70	17.35	<=34.77	Pass
		12	0	23.13	-4.70	16.28	<=34.77	Pass
			6	23.10	-4.70	16.25	<=34.77	Pass
			13	23.12	-4.70	16.27	<=34.77	Pass



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		25	0	23.14	-4.70	16.29	<=34.77	Pass
64QAM	701.5	1	0	23.49	-4.70	16.64	<=34.77	Pass
			13	23.51	-4.70	16.66	<=34.77	Pass
			24	23.49	-4.70	16.64	<=34.77	Pass
			0	23.50	-4.70	16.65	<=34.77	Pass
		12	6	23.49	-4.70	16.64	<=34.77	Pass
			13	23.50	-4.70	16.65	<=34.77	Pass
		25	0	23.50	-4.70	16.65	<=34.77	Pass
	707.5	1	0	23.61	-4.70	16.76	<=34.77	Pass
			13	23.63	-4.70	16.78	<=34.77	Pass
			24	23.61	-4.70	16.76	<=34.77	Pass
		12	0	23.63	-4.70	16.78	<=34.77	Pass
			6	23.65	-4.70	16.80	<=34.77	Pass
			13	23.63	-4.70	16.78	<=34.77	Pass
		25	0	23.62	-4.70	16.77	<=34.77	Pass
	713.5	1	0	23.72	-4.70	16.87	<=34.77	Pass
			13	23.72	-4.70	16.87	<=34.77	Pass
			24	23.72	-4.70	16.87	<=34.77	Pass
		12	0	23.73	-4.70	16.88	<=34.77	Pass
			6	23.72	-4.70	16.87	<=34.77	Pass
			13	23.73	-4.70	16.88	<=34.77	Pass
		25	0	23.74	-4.70	16.89	<=34.77	Pass
256QAM	701.5	1	0	20.18	-4.70	13.33	<=34.77	Pass
			13	20.22	-4.70	13.37	<=34.77	Pass
			24	20.28	-4.70	13.43	<=34.77	Pass
		12	0	20.51	-4.70	13.66	<=34.77	Pass
			6	20.49	-4.70	13.64	<=34.77	Pass
			13	20.52	-4.70	13.67	<=34.77	Pass
		25	0	20.53	-4.70	13.68	<=34.77	Pass
	707.5	1	0	20.76	-4.70	13.91	<=34.77	Pass
			13	20.79	-4.70	13.94	<=34.77	Pass
			24	20.79	-4.70	13.94	<=34.77	Pass
		12	0	20.56	-4.70	13.71	<=34.77	Pass
			6	20.57	-4.70	13.72	<=34.77	Pass
			13	20.57	-4.70	13.72	<=34.77	Pass
		25	0	20.56	-4.70	13.71	<=34.77	Pass
	713.5	1	0	20.68	-4.70	13.83	<=34.77	Pass
			13	20.70	-4.70	13.85	<=34.77	Pass
			24	20.74	-4.70	13.89	<=34.77	Pass
		12	0	20.59	-4.70	13.74	<=34.77	Pass
			6	20.61	-4.70	13.76	<=34.77	Pass
			13	20.63	-4.70	13.78	<=34.77	Pass
		25	0	20.61	-4.70	13.76	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15



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1.4 B12_10MHz_ERP

1.4.1 Test Result

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	25.34	-4.70	18.49	<=34.77	Pass
			25	25.20	-4.70	18.35	<=34.77	Pass
			49	25.23	-4.70	18.38	<=34.77	Pass
		25	0	24.21	-4.70	17.36	<=34.77	Pass
			13	24.23	-4.70	17.38	<=34.77	Pass
			25	24.22	-4.70	17.37	<=34.77	Pass
		50	0	24.20	-4.70	17.35	<=34.77	Pass
	707.5	1	0	25.19	-4.70	18.34	<=34.77	Pass
			25	25.12	-4.70	18.27	<=34.77	Pass
			49	25.12	-4.70	18.27	<=34.77	Pass
		25	0	24.19	-4.70	17.34	<=34.77	Pass
			13	24.16	-4.70	17.31	<=34.77	Pass
			25	24.15	-4.70	17.30	<=34.77	Pass
		50	0	24.19	-4.70	17.34	<=34.77	Pass
	711	1	0	25.21	-4.70	18.36	<=34.77	Pass
			25	25.13	-4.70	18.28	<=34.77	Pass
			49	25.16	-4.70	18.31	<=34.77	Pass
		25	0	24.16	-4.70	17.31	<=34.77	Pass
			13	24.14	-4.70	17.29	<=34.77	Pass
			25	24.16	-4.70	17.31	<=34.77	Pass
		50	0	24.17	-4.70	17.32	<=34.77	Pass
16QAM	704	1	0	24.84	-4.70	17.99	<=34.77	Pass
			25	24.75	-4.70	17.90	<=34.77	Pass
			49	24.75	-4.70	17.90	<=34.77	Pass
		25	0	23.27	-4.70	16.42	<=34.77	Pass
			13	23.28	-4.70	16.43	<=34.77	Pass
			25	23.27	-4.70	16.42	<=34.77	Pass
		50	0	23.20	-4.70	16.35	<=34.77	Pass
	707.5	1	0	24.45	-4.70	17.60	<=34.77	Pass
			25	24.38	-4.70	17.53	<=34.77	Pass
			49	24.40	-4.70	17.55	<=34.77	Pass
		25	0	23.21	-4.70	16.36	<=34.77	Pass
			13	23.20	-4.70	16.35	<=34.77	Pass
			25	23.15	-4.70	16.30	<=34.77	Pass
		50	0	23.18	-4.70	16.33	<=34.77	Pass
	711	1	0	24.30	-4.70	17.45	<=34.77	Pass
			25	24.23	-4.70	17.38	<=34.77	Pass
			49	24.28	-4.70	17.43	<=34.77	Pass
		25	0	23.23	-4.70	16.38	<=34.77	Pass
			13	23.21	-4.70	16.36	<=34.77	Pass
			25	23.25	-4.70	16.40	<=34.77	Pass



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		50	0	23.17	-4.70	16.32	<=34.77	Pass
64QAM	704	1	0	23.36	-4.70	16.51	<=34.77	Pass
			25	23.38	-4.70	16.53	<=34.77	Pass
			49	23.38	-4.70	16.53	<=34.77	Pass
			0	23.37	-4.70	16.52	<=34.77	Pass
		25	13	23.36	-4.70	16.51	<=34.77	Pass
			25	23.35	-4.70	16.50	<=34.77	Pass
		50	0	23.37	-4.70	16.52	<=34.77	Pass
	707.5	1	0	23.37	-4.70	16.52	<=34.77	Pass
			25	23.36	-4.70	16.51	<=34.77	Pass
			49	23.36	-4.70	16.51	<=34.77	Pass
			0	23.37	-4.70	16.52	<=34.77	Pass
		25	13	23.37	-4.70	16.52	<=34.77	Pass
			25	23.37	-4.70	16.52	<=34.77	Pass
		50	0	23.37	-4.70	16.52	<=34.77	Pass
	711	1	0	23.65	-4.70	16.80	<=34.77	Pass
			25	23.64	-4.70	16.79	<=34.77	Pass
			49	23.66	-4.70	16.81	<=34.77	Pass
			0	23.65	-4.70	16.80	<=34.77	Pass
		25	13	23.66	-4.70	16.81	<=34.77	Pass
			25	23.66	-4.70	16.81	<=34.77	Pass
		50	0	23.66	-4.70	16.81	<=34.77	Pass
256QAM	704	1	0	20.89	-4.70	14.04	<=34.77	Pass
			25	20.98	-4.70	14.13	<=34.77	Pass
			49	21.03	-4.70	14.18	<=34.77	Pass
			0	20.47	-4.70	13.62	<=34.77	Pass
		25	13	20.53	-4.70	13.68	<=34.77	Pass
			25	20.56	-4.70	13.71	<=34.77	Pass
		50	0	20.49	-4.70	13.64	<=34.77	Pass
	707.5	1	0	20.31	-4.70	13.46	<=34.77	Pass
			25	20.34	-4.70	13.49	<=34.77	Pass
			49	20.42	-4.70	13.57	<=34.77	Pass
			0	20.56	-4.70	13.71	<=34.77	Pass
		25	13	20.55	-4.70	13.70	<=34.77	Pass
			25	20.58	-4.70	13.73	<=34.77	Pass
		50	0	20.51	-4.70	13.66	<=34.77	Pass
	711	1	0	20.66	-4.70	13.81	<=34.77	Pass
			25	20.66	-4.70	13.81	<=34.77	Pass
			49	20.76	-4.70	13.91	<=34.77	Pass
			0	20.58	-4.70	13.73	<=34.77	Pass
		25	13	20.62	-4.70	13.77	<=34.77	Pass
			25	20.64	-4.70	13.79	<=34.77	Pass
		50	0	20.55	-4.70	13.70	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15



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2. Frequency Stability

2.1 B12_1.4MHz

2.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	3.6	18.711	0.0267	-2.5 to 2.5	Pass
					3.84	33.588	0.0480	-2.5 to 2.5	Pass
					4.25	45.204	0.0646	-2.5 to 2.5	Pass
				-30	3.84	50.468	0.0721	-2.5 to 2.5	Pass
				-20	3.84	49.896	0.0713	-2.5 to 2.5	Pass
				-10	3.84	45.204	0.0646	-2.5 to 2.5	Pass
				0	3.84	37.723	0.0539	-2.5 to 2.5	Pass
				10	3.84	27.838	0.0398	-2.5 to 2.5	Pass
				30	3.84	19.326	0.0276	-2.5 to 2.5	Pass
				40	3.84	8.740	0.0125	-2.5 to 2.5	Pass
				50	3.84	-0.758	-0.0011	-2.5 to 2.5	Pass
	707.5	6	0	20	3.6	-2.160	-0.0031	-2.5 to 2.5	Pass
					3.84	-2.632	-0.0037	-2.5 to 2.5	Pass
					4.25	-3.548	-0.0050	-2.5 to 2.5	Pass
				-30	3.84	-2.847	-0.0040	-2.5 to 2.5	Pass
				-20	3.84	-1.116	-0.0016	-2.5 to 2.5	Pass
				-10	3.84	-0.243	-0.0003	-2.5 to 2.5	Pass
				0	3.84	0.172	0.0002	-2.5 to 2.5	Pass
				10	3.84	-0.186	-0.0003	-2.5 to 2.5	Pass
				30	3.84	-0.343	-0.0005	-2.5 to 2.5	Pass
				40	3.84	-0.401	-0.0006	-2.5 to 2.5	Pass
				50	3.84	-0.100	-0.0001	-2.5 to 2.5	Pass
	715.3	6	0	20	3.6	6.895	0.0096	-2.5 to 2.5	Pass
					3.84	7.682	0.0107	-2.5 to 2.5	Pass
					4.25	9.499	0.0133	-2.5 to 2.5	Pass
				-30	3.84	11.144	0.0156	-2.5 to 2.5	Pass
				-20	3.84	12.889	0.0180	-2.5 to 2.5	Pass
				-10	3.84	15.020	0.0210	-2.5 to 2.5	Pass
				0	3.84	15.736	0.0220	-2.5 to 2.5	Pass
				10	3.84	17.152	0.0240	-2.5 to 2.5	Pass
				30	3.84	17.853	0.0250	-2.5 to 2.5	Pass
				40	3.84	17.881	0.0250	-2.5 to 2.5	Pass
				50	3.84	18.024	0.0252	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.6	-10.128	-0.0145	-2.5 to 2.5	Pass
					3.84	-17.409	-0.0249	-2.5 to 2.5	Pass
					4.25	-22.388	-0.0320	-2.5 to 2.5	Pass
				-30	3.84	-27.294	-0.0390	-2.5 to 2.5	Pass
				-20	3.84	-31.457	-0.0450	-2.5 to 2.5	Pass
				-10	3.84	-34.504	-0.0493	-2.5 to 2.5	Pass



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64QAM	707.5	6	0	0	3.84	-37.107	-0.0530	-2.5 to 2.5	Pass
				10	3.84	-38.724	-0.0553	-2.5 to 2.5	Pass
				30	3.84	-39.926	-0.0571	-2.5 to 2.5	Pass
				40	3.84	-41.871	-0.0598	-2.5 to 2.5	Pass
				50	3.84	-43.445	-0.0621	-2.5 to 2.5	Pass
				20	3.6	-0.629	-0.0009	-2.5 to 2.5	Pass
					3.84	-0.057	-0.0001	-2.5 to 2.5	Pass
				20	4.25	0.873	0.0012	-2.5 to 2.5	Pass
					3.84	3.233	0.0046	-2.5 to 2.5	Pass
				-30	3.84	6.952	0.0098	-2.5 to 2.5	Pass
				-20	3.84	10.901	0.0154	-2.5 to 2.5	Pass
				-10	3.84	14.448	0.0204	-2.5 to 2.5	Pass
				0	3.84	18.082	0.0256	-2.5 to 2.5	Pass
				10	3.84	20.671	0.0292	-2.5 to 2.5	Pass
				30	3.84	25.148	0.0355	-2.5 to 2.5	Pass
	715.3	6	0	40	3.84	28.124	0.0398	-2.5 to 2.5	Pass
				50	3.84	18.454	0.0258	-2.5 to 2.5	Pass
				20	3.84	20.270	0.0283	-2.5 to 2.5	Pass
					4.25	22.559	0.0315	-2.5 to 2.5	Pass
				-30	3.84	25.935	0.0363	-2.5 to 2.5	Pass
				-20	3.84	31.772	0.0444	-2.5 to 2.5	Pass
				-10	3.84	35.777	0.0500	-2.5 to 2.5	Pass
				0	3.84	40.584	0.0567	-2.5 to 2.5	Pass
				10	3.84	44.689	0.0625	-2.5 to 2.5	Pass
				30	3.84	48.394	0.0677	-2.5 to 2.5	Pass
				40	3.84	51.899	0.0726	-2.5 to 2.5	Pass
				50	3.84	55.532	0.0776	-2.5 to 2.5	Pass
	699.7	6	0	20	3.6	4.941	0.0071	-2.5 to 2.5	Pass
					3.84	-43.623	-0.0623	-2.5 to 2.5	Pass
				20	4.25	-88.492	-0.1265	-2.5 to 2.5	Pass
					3.84	-25.146	-0.0359	-2.5 to 2.5	Pass
				-30	3.84	-62.751	-0.0897	-2.5 to 2.5	Pass
				-20	3.84	-102.675	-0.1467	-2.5 to 2.5	Pass
				-10	3.84	-47.765	-0.0683	-2.5 to 2.5	Pass
				0	3.84	-85.669	-0.1224	-2.5 to 2.5	Pass
				10	3.84	-24.293	-0.0347	-2.5 to 2.5	Pass
				30	3.84	-62.656	-0.0895	-2.5 to 2.5	Pass
				40	3.84	-97.598	-0.1395	-2.5 to 2.5	Pass
				50	3.84	-23.597	-0.0334	-2.5 to 2.5	Pass
	707.5	6	0	20	3.84	-33.255	-0.0470	-2.5 to 2.5	Pass
					4.25	-41.525	-0.0587	-2.5 to 2.5	Pass
				-30	3.84	-50.295	-0.0711	-2.5 to 2.5	Pass
				-20	3.84	-59.876	-0.0846	-2.5 to 2.5	Pass
				-10	3.84	-70.598	-0.0998	-2.5 to 2.5	Pass
				0	3.84	-78.453	-0.1109	-2.5 to 2.5	Pass
				10	3.84	-87.046	-0.1230	-2.5 to 2.5	Pass
				30	3.84	-94.824	-0.1340	-2.5 to 2.5	Pass
				40	3.84	-104.105	-0.1471	-2.5 to 2.5	Pass
				50	3.84	-110.574	-0.1563	-2.5 to 2.5	Pass



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	715.3	6	0	20	3.6	-1.784	-0.0025	-2.5 to 2.5	Pass
					3.84	-7.666	-0.0107	-2.5 to 2.5	Pass
					4.25	-10.225	-0.0143	-2.5 to 2.5	Pass
				-30	3.84	-11.991	-0.0168	-2.5 to 2.5	Pass
				-20	3.84	-13.702	-0.0192	-2.5 to 2.5	Pass
				-10	3.84	-16.122	-0.0225	-2.5 to 2.5	Pass
				0	3.84	-17.566	-0.0246	-2.5 to 2.5	Pass
				10	3.84	-20.317	-0.0284	-2.5 to 2.5	Pass
				30	3.84	-22.811	-0.0319	-2.5 to 2.5	Pass
				40	3.84	-25.035	-0.0350	-2.5 to 2.5	Pass
				50	3.84	-26.888	-0.0376	-2.5 to 2.5	Pass
256QAM	699.7	6	0	20	3.6	-34.672	-0.0496	-2.5 to 2.5	Pass
					3.84	-59.502	-0.0850	-2.5 to 2.5	Pass
					4.25	-78.873	-0.1127	-2.5 to 2.5	Pass
				-30	3.84	-98.144	-0.1403	-2.5 to 2.5	Pass
				-20	3.84	-10.432	-0.0149	-2.5 to 2.5	Pass
				-10	3.84	-21.315	-0.0305	-2.5 to 2.5	Pass
				0	3.84	-33.688	-0.0481	-2.5 to 2.5	Pass
				10	3.84	-43.971	-0.0628	-2.5 to 2.5	Pass
				30	3.84	-53.321	-0.0762	-2.5 to 2.5	Pass
				40	3.84	-60.726	-0.0868	-2.5 to 2.5	Pass
				50	3.84	-67.759	-0.0968	-2.5 to 2.5	Pass
	707.5	6	0	20	3.6	-18.495	-0.0261	-2.5 to 2.5	Pass
					3.84	-23.096	-0.0326	-2.5 to 2.5	Pass
					4.25	-24.662	-0.0349	-2.5 to 2.5	Pass
				-30	3.84	-24.345	-0.0344	-2.5 to 2.5	Pass
				-20	3.84	-24.489	-0.0346	-2.5 to 2.5	Pass
				-10	3.84	-22.793	-0.0322	-2.5 to 2.5	Pass
				0	3.84	-20.734	-0.0293	-2.5 to 2.5	Pass
				10	3.84	-19.029	-0.0269	-2.5 to 2.5	Pass
				30	3.84	-17.733	-0.0251	-2.5 to 2.5	Pass
				40	3.84	-16.197	-0.0229	-2.5 to 2.5	Pass
				50	3.84	-14.930	-0.0211	-2.5 to 2.5	Pass
	715.3	6	0	20	3.6	-29.872	-0.0418	-2.5 to 2.5	Pass
					3.84	-29.583	-0.0414	-2.5 to 2.5	Pass
					4.25	-25.640	-0.0358	-2.5 to 2.5	Pass
				-30	3.84	-22.112	-0.0309	-2.5 to 2.5	Pass
				-20	3.84	-17.417	-0.0243	-2.5 to 2.5	Pass
				-10	3.84	-13.415	-0.0188	-2.5 to 2.5	Pass
				0	3.84	-9.658	-0.0135	-2.5 to 2.5	Pass
				10	3.84	-6.100	-0.0085	-2.5 to 2.5	Pass
				30	3.84	-2.846	-0.0040	-2.5 to 2.5	Pass
				40	3.84	2.198	0.0031	-2.5 to 2.5	Pass
				50	3.84	4.862	0.0068	-2.5 to 2.5	Pass



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2.2 B12_3MHz

2.2.1 Test Result

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.6	23.489	0.0335	-2.5 to 2.5	Pass
					3.84	29.254	0.0418	-2.5 to 2.5	Pass
					4.25	28.124	0.0401	-2.5 to 2.5	Pass
				-30	3.84	25.663	0.0366	-2.5 to 2.5	Pass
				-20	3.84	20.285	0.0290	-2.5 to 2.5	Pass
				-10	3.84	11.716	0.0167	-2.5 to 2.5	Pass
				0	3.84	1.431	0.0020	-2.5 to 2.5	Pass
				10	3.84	-9.956	-0.0142	-2.5 to 2.5	Pass
				30	3.84	-22.016	-0.0314	-2.5 to 2.5	Pass
				40	3.84	-32.916	-0.0470	-2.5 to 2.5	Pass
				50	3.84	-44.160	-0.0630	-2.5 to 2.5	Pass
	707.5	15	0	20	3.6	-0.772	-0.0011	-2.5 to 2.5	Pass
					3.84	-1.245	-0.0018	-2.5 to 2.5	Pass
					4.25	-0.772	-0.0011	-2.5 to 2.5	Pass
				-30	3.84	-1.459	-0.0021	-2.5 to 2.5	Pass
				-20	3.84	-1.903	-0.0027	-2.5 to 2.5	Pass
				-10	3.84	-1.731	-0.0024	-2.5 to 2.5	Pass
				0	3.84	-1.903	-0.0027	-2.5 to 2.5	Pass
				10	3.84	-3.190	-0.0045	-2.5 to 2.5	Pass
				30	3.84	-3.490	-0.0049	-2.5 to 2.5	Pass
				40	3.84	-5.307	-0.0075	-2.5 to 2.5	Pass
				50	3.84	-6.866	-0.0097	-2.5 to 2.5	Pass
	714.5	15	0	20	3.6	-5.207	-0.0073	-2.5 to 2.5	Pass
					3.84	-3.433	-0.0048	-2.5 to 2.5	Pass
					4.25	-1.273	-0.0018	-2.5 to 2.5	Pass
				-30	3.84	-0.401	-0.0006	-2.5 to 2.5	Pass
				-20	3.84	-0.658	-0.0009	-2.5 to 2.5	Pass
				-10	3.84	-0.186	-0.0003	-2.5 to 2.5	Pass
				0	3.84	-1.216	-0.0017	-2.5 to 2.5	Pass
				10	3.84	-1.173	-0.0016	-2.5 to 2.5	Pass
				30	3.84	-1.316	-0.0018	-2.5 to 2.5	Pass
				40	3.84	-1.788	-0.0025	-2.5 to 2.5	Pass
				50	3.84	-1.931	-0.0027	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.6	-53.244	-0.0760	-2.5 to 2.5	Pass
					3.84	-60.954	-0.0870	-2.5 to 2.5	Pass
					4.25	-67.749	-0.0967	-2.5 to 2.5	Pass
				-30	3.84	-72.598	-0.1036	-2.5 to 2.5	Pass
				-20	3.84	-75.946	-0.1084	-2.5 to 2.5	Pass
				-10	3.84	-79.179	-0.1130	-2.5 to 2.5	Pass
				0	3.84	-80.881	-0.1155	-2.5 to 2.5	Pass
				10	3.84	-84.028	-0.1200	-2.5 to 2.5	Pass



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64QAM	707.5	15	0	30	3.84	-85.859	-0.1226	-2.5 to 2.5	Pass
				40	3.84	-87.547	-0.1250	-2.5 to 2.5	Pass
				50	3.84	-89.078	-0.1272	-2.5 to 2.5	Pass
				20	3.6	-7.982	-0.0113	-2.5 to 2.5	Pass
					3.84	-8.125	-0.0115	-2.5 to 2.5	Pass
					4.25	-7.253	-0.0103	-2.5 to 2.5	Pass
				-30	3.84	-4.935	-0.0070	-2.5 to 2.5	Pass
				-20	3.84	-2.947	-0.0042	-2.5 to 2.5	Pass
				-10	3.84	-0.186	-0.0003	-2.5 to 2.5	Pass
				0	3.84	3.004	0.0042	-2.5 to 2.5	Pass
				10	3.84	6.666	0.0094	-2.5 to 2.5	Pass
				30	3.84	9.027	0.0128	-2.5 to 2.5	Pass
				40	3.84	12.188	0.0172	-2.5 to 2.5	Pass
				50	3.84	14.992	0.0212	-2.5 to 2.5	Pass
	714.5	15	0	20	3.6	-2.732	-0.0038	-2.5 to 2.5	Pass
					3.84	-2.074	-0.0029	-2.5 to 2.5	Pass
					4.25	-0.873	-0.0012	-2.5 to 2.5	Pass
				-30	3.84	2.131	0.0030	-2.5 to 2.5	Pass
				-20	3.84	3.934	0.0055	-2.5 to 2.5	Pass
				-10	3.84	7.482	0.0105	-2.5 to 2.5	Pass
				0	3.84	10.757	0.0151	-2.5 to 2.5	Pass
				10	3.84	14.091	0.0197	-2.5 to 2.5	Pass
				30	3.84	17.209	0.0241	-2.5 to 2.5	Pass
				40	3.84	20.714	0.0290	-2.5 to 2.5	Pass
				50	3.84	23.217	0.0325	-2.5 to 2.5	Pass
	700.5	15	0	20	3.6	-11.897	-0.0170	-2.5 to 2.5	Pass
					3.84	-45.172	-0.0645	-2.5 to 2.5	Pass
					4.25	-83.612	-0.1194	-2.5 to 2.5	Pass
				-30	3.84	-24.800	-0.0354	-2.5 to 2.5	Pass
				-20	3.84	-72.404	-0.1034	-2.5 to 2.5	Pass
				-10	3.84	-12.537	-0.0179	-2.5 to 2.5	Pass
				0	3.84	-49.678	-0.0709	-2.5 to 2.5	Pass
				10	3.84	-85.446	-0.1220	-2.5 to 2.5	Pass
				30	3.84	-24.691	-0.0352	-2.5 to 2.5	Pass
				40	3.84	-62.883	-0.0898	-2.5 to 2.5	Pass
				50	3.84	8.683	0.0124	-2.5 to 2.5	Pass
	707.5	15	0	20	3.6	-8.015	-0.0113	-2.5 to 2.5	Pass
					3.84	-12.945	-0.0183	-2.5 to 2.5	Pass
					4.25	-21.851	-0.0309	-2.5 to 2.5	Pass
				-30	3.84	-26.756	-0.0378	-2.5 to 2.5	Pass
				-20	3.84	-27.262	-0.0385	-2.5 to 2.5	Pass
				-10	3.84	-30.209	-0.0427	-2.5 to 2.5	Pass
				0	3.84	-34.633	-0.0490	-2.5 to 2.5	Pass
				10	3.84	-39.649	-0.0560	-2.5 to 2.5	Pass
				30	3.84	-46.091	-0.0651	-2.5 to 2.5	Pass
				40	3.84	-51.864	-0.0733	-2.5 to 2.5	Pass
				50	3.84	-57.937	-0.0819	-2.5 to 2.5	Pass
	714.5	15	0	20	3.6	0.195	0.0003	-2.5 to 2.5	Pass
					3.84	-2.272	-0.0032	-2.5 to 2.5	Pass



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256QAM	700.5	15	0		4.25	-3.637	-0.0051	-2.5 to 2.5	Pass
				-30	3.84	-5.353	-0.0075	-2.5 to 2.5	Pass
				-20	3.84	-7.078	-0.0099	-2.5 to 2.5	Pass
				-10	3.84	-9.183	-0.0129	-2.5 to 2.5	Pass
				0	3.84	-11.806	-0.0165	-2.5 to 2.5	Pass
				10	3.84	-14.542	-0.0204	-2.5 to 2.5	Pass
				30	3.84	-17.174	-0.0240	-2.5 to 2.5	Pass
				40	3.84	-19.903	-0.0279	-2.5 to 2.5	Pass
				50	3.84	-21.401	-0.0300	-2.5 to 2.5	Pass
				20	3.6	-27.304	-0.0390	-2.5 to 2.5	Pass
	707.5	15	0		3.84	-52.754	-0.0753	-2.5 to 2.5	Pass
					4.25	-72.642	-0.1037	-2.5 to 2.5	Pass
				-30	3.84	10.316	0.0147	-2.5 to 2.5	Pass
				-20	3.84	-5.976	-0.0085	-2.5 to 2.5	Pass
				-10	3.84	-19.548	-0.0279	-2.5 to 2.5	Pass
				0	3.84	-29.985	-0.0428	-2.5 to 2.5	Pass
				10	3.84	-39.117	-0.0558	-2.5 to 2.5	Pass
				30	3.84	-48.135	-0.0687	-2.5 to 2.5	Pass
				40	3.84	-56.611	-0.0808	-2.5 to 2.5	Pass
				50	3.84	-65.606	-0.0937	-2.5 to 2.5	Pass
				20	3.6	-65.185	-0.0921	-2.5 to 2.5	Pass
					3.84	-67.237	-0.0950	-2.5 to 2.5	Pass
					4.25	-67.105	-0.0948	-2.5 to 2.5	Pass
				-30	3.84	-64.986	-0.0919	-2.5 to 2.5	Pass
				-20	3.84	-63.250	-0.0894	-2.5 to 2.5	Pass
				-10	3.84	-60.219	-0.0851	-2.5 to 2.5	Pass
				0	3.84	-56.955	-0.0805	-2.5 to 2.5	Pass
				10	3.84	-54.494	-0.0770	-2.5 to 2.5	Pass
				30	3.84	-51.888	-0.0733	-2.5 to 2.5	Pass
				40	3.84	-52.144	-0.0737	-2.5 to 2.5	Pass
				50	3.84	-51.081	-0.0722	-2.5 to 2.5	Pass
	714.5	15	0	20	3.6	-23.952	-0.0335	-2.5 to 2.5	Pass
					3.84	-23.644	-0.0331	-2.5 to 2.5	Pass
					4.25	-20.335	-0.0285	-2.5 to 2.5	Pass
				-30	3.84	-17.729	-0.0248	-2.5 to 2.5	Pass
				-20	3.84	-12.556	-0.0176	-2.5 to 2.5	Pass
				-10	3.84	-8.501	-0.0119	-2.5 to 2.5	Pass
				0	3.84	-5.461	-0.0076	-2.5 to 2.5	Pass
				10	3.84	-1.621	-0.0023	-2.5 to 2.5	Pass
				30	3.84	3.448	0.0048	-2.5 to 2.5	Pass
				40	3.84	7.854	0.0110	-2.5 to 2.5	Pass
				50	3.84	11.518	0.0161	-2.5 to 2.5	Pass



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2.3 B12_5MHz

2.3.1 Test Result

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.6	19.383	0.0276	-2.5 to 2.5	Pass
					3.84	21.672	0.0309	-2.5 to 2.5	Pass
					4.25	21.372	0.0305	-2.5 to 2.5	Pass
				-30	3.84	17.066	0.0243	-2.5 to 2.5	Pass
				-20	3.84	10.400	0.0148	-2.5 to 2.5	Pass
				-10	3.84	1.988	0.0028	-2.5 to 2.5	Pass
				0	3.84	-7.281	-0.0104	-2.5 to 2.5	Pass
				10	3.84	-17.352	-0.0247	-2.5 to 2.5	Pass
				30	3.84	-27.680	-0.0395	-2.5 to 2.5	Pass
				40	3.84	-37.565	-0.0535	-2.5 to 2.5	Pass
				50	3.84	-47.278	-0.0674	-2.5 to 2.5	Pass
	707.5	25	0	20	3.6	0.401	0.0006	-2.5 to 2.5	Pass
					3.84	-0.114	-0.0002	-2.5 to 2.5	Pass
					4.25	0.343	0.0005	-2.5 to 2.5	Pass
				-30	3.84	1.073	0.0015	-2.5 to 2.5	Pass
				-20	3.84	-0.229	-0.0003	-2.5 to 2.5	Pass
				-10	3.84	-0.486	-0.0007	-2.5 to 2.5	Pass
				0	3.84	-1.431	-0.0020	-2.5 to 2.5	Pass
				10	3.84	-2.403	-0.0034	-2.5 to 2.5	Pass
				30	3.84	-3.576	-0.0051	-2.5 to 2.5	Pass
				40	3.84	-4.692	-0.0066	-2.5 to 2.5	Pass
				50	3.84	-5.493	-0.0078	-2.5 to 2.5	Pass
	713.5	25	0	20	3.6	1.173	0.0016	-2.5 to 2.5	Pass
					3.84	2.503	0.0035	-2.5 to 2.5	Pass
					4.25	3.476	0.0049	-2.5 to 2.5	Pass
				-30	3.84	4.106	0.0058	-2.5 to 2.5	Pass
				-20	3.84	5.164	0.0072	-2.5 to 2.5	Pass
				-10	3.84	3.548	0.0050	-2.5 to 2.5	Pass
				0	3.84	1.960	0.0027	-2.5 to 2.5	Pass
				10	3.84	-0.186	-0.0003	-2.5 to 2.5	Pass
				30	3.84	-0.215	-0.0003	-2.5 to 2.5	Pass
				40	3.84	-2.575	-0.0036	-2.5 to 2.5	Pass
				50	3.84	-4.063	-0.0057	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.6	-57.678	-0.0822	-2.5 to 2.5	Pass
					3.84	-63.615	-0.0907	-2.5 to 2.5	Pass
					4.25	-68.893	-0.0982	-2.5 to 2.5	Pass
				-30	3.84	-73.442	-0.1047	-2.5 to 2.5	Pass
				-20	3.84	-75.216	-0.1072	-2.5 to 2.5	Pass
				-10	3.84	-77.105	-0.1099	-2.5 to 2.5	Pass
				0	3.84	-78.707	-0.1122	-2.5 to 2.5	Pass
				10	3.84	-80.194	-0.1143	-2.5 to 2.5	Pass



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				30	3.84	-80.552	-0.1148	-2.5 to 2.5	Pass
				40	3.84	-81.496	-0.1162	-2.5 to 2.5	Pass
				50	3.84	-82.126	-0.1171	-2.5 to 2.5	Pass
	707.5	25	0	20	3.6	-6.723	-0.0095	-2.5 to 2.5	Pass
					3.84	-7.110	-0.0100	-2.5 to 2.5	Pass
					4.25	-6.094	-0.0086	-2.5 to 2.5	Pass
				-30	3.84	-4.091	-0.0058	-2.5 to 2.5	Pass
				-20	3.84	-1.988	-0.0028	-2.5 to 2.5	Pass
				-10	3.84	1.101	0.0016	-2.5 to 2.5	Pass
				0	3.84	4.821	0.0068	-2.5 to 2.5	Pass
				10	3.84	8.140	0.0115	-2.5 to 2.5	Pass
				30	3.84	11.029	0.0156	-2.5 to 2.5	Pass
				40	3.84	14.520	0.0205	-2.5 to 2.5	Pass
				50	3.84	17.266	0.0244	-2.5 to 2.5	Pass
				713.5	25	0	20	3.6	-6.351
	3.84	-7.682	-0.0108					-2.5 to 2.5	Pass
	4.25	-6.995	-0.0098					-2.5 to 2.5	Pass
	-30	3.84	-4.363				-0.0061	-2.5 to 2.5	Pass
	-20	3.84	-1.831				-0.0026	-2.5 to 2.5	Pass
	-10	3.84	0.587				0.0008	-2.5 to 2.5	Pass
	0	3.84	3.018				0.0042	-2.5 to 2.5	Pass
	10	3.84	5.407				0.0076	-2.5 to 2.5	Pass
	30	3.84	8.583				0.0120	-2.5 to 2.5	Pass
	40	3.84	12.231				0.0171	-2.5 to 2.5	Pass
50	3.84	13.762	0.0193				-2.5 to 2.5	Pass	

64QAM	701.5	25	0	20	3.6	18.930	0.0270	-2.5 to 2.5	Pass
					3.84	18.659	0.0266	-2.5 to 2.5	Pass
					4.25	15.736	0.0224	-2.5 to 2.5	Pass
				-30	3.84	9.706	0.0138	-2.5 to 2.5	Pass
				-20	3.84	2.975	0.0042	-2.5 to 2.5	Pass
				-10	3.84	-5.531	-0.0079	-2.5 to 2.5	Pass
				0	3.84	-15.966	-0.0228	-2.5 to 2.5	Pass
				10	3.84	-26.319	-0.0375	-2.5 to 2.5	Pass
				30	3.84	-35.272	-0.0503	-2.5 to 2.5	Pass
				40	3.84	-43.081	-0.0614	-2.5 to 2.5	Pass
				50	3.84	-52.548	-0.0749	-2.5 to 2.5	Pass
				707.5	25	0	20	3.6	3.308
	3.84	2.243	0.0032					-2.5 to 2.5	Pass
	4.25	0.029	0.0000					-2.5 to 2.5	Pass
	-30	3.84	-1.930				-0.0027	-2.5 to 2.5	Pass
	-20	3.84	-6.299				-0.0089	-2.5 to 2.5	Pass
	-10	3.84	-10.480				-0.0148	-2.5 to 2.5	Pass
	0	3.84	-15.517				-0.0219	-2.5 to 2.5	Pass
	10	3.84	-20.833				-0.0294	-2.5 to 2.5	Pass
	30	3.84	-26.224				-0.0371	-2.5 to 2.5	Pass
	40	3.84	-29.780				-0.0421	-2.5 to 2.5	Pass
	50	3.84	-35.101				-0.0496	-2.5 to 2.5	Pass
	713.5	25	0				20	3.6	0.763
				3.84	-1.835	-0.0026		-2.5 to 2.5	Pass



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					4.25	-1.599	-0.0022	-2.5 to 2.5	Pass
				-30	3.84	-2.922	-0.0041	-2.5 to 2.5	Pass
				-20	3.84	-4.599	-0.0064	-2.5 to 2.5	Pass
				-10	3.84	-6.963	-0.0098	-2.5 to 2.5	Pass
				0	3.84	-9.329	-0.0131	-2.5 to 2.5	Pass
				10	3.84	-11.607	-0.0163	-2.5 to 2.5	Pass
				30	3.84	-13.484	-0.0189	-2.5 to 2.5	Pass
				40	3.84	-16.803	-0.0236	-2.5 to 2.5	Pass
				50	3.84	-18.864	-0.0264	-2.5 to 2.5	Pass
256QAM	701.5	25	0	20	3.6	-60.680	-0.0865	-2.5 to 2.5	Pass
					3.84	-67.234	-0.0958	-2.5 to 2.5	Pass
					4.25	-71.418	-0.1018	-2.5 to 2.5	Pass
				-30	3.84	-74.416	-0.1061	-2.5 to 2.5	Pass
				-20	3.84	-74.703	-0.1065	-2.5 to 2.5	Pass
				-10	3.84	-74.159	-0.1057	-2.5 to 2.5	Pass
				0	3.84	-73.917	-0.1054	-2.5 to 2.5	Pass
				10	3.84	-73.334	-0.1045	-2.5 to 2.5	Pass
				30	3.84	-72.361	-0.1032	-2.5 to 2.5	Pass
				40	3.84	-71.135	-0.1014	-2.5 to 2.5	Pass
	707.5	25	0	20	3.6	-41.583	-0.0588	-2.5 to 2.5	Pass
					3.84	-43.612	-0.0616	-2.5 to 2.5	Pass
					4.25	-42.126	-0.0595	-2.5 to 2.5	Pass
				-30	3.84	-39.655	-0.0560	-2.5 to 2.5	Pass
				-20	3.84	-36.900	-0.0522	-2.5 to 2.5	Pass
				-10	3.84	-33.523	-0.0474	-2.5 to 2.5	Pass
				0	3.84	-29.094	-0.0411	-2.5 to 2.5	Pass
				10	3.84	-25.829	-0.0365	-2.5 to 2.5	Pass
				30	3.84	-21.770	-0.0308	-2.5 to 2.5	Pass
				40	3.84	-18.333	-0.0259	-2.5 to 2.5	Pass
	713.5	25	0	20	3.6	-21.563	-0.0302	-2.5 to 2.5	Pass
					3.84	-19.460	-0.0273	-2.5 to 2.5	Pass
					4.25	-16.428	-0.0230	-2.5 to 2.5	Pass
				-30	3.84	-11.458	-0.0161	-2.5 to 2.5	Pass
				-20	3.84	-6.801	-0.0095	-2.5 to 2.5	Pass
				-10	3.84	-1.377	-0.0019	-2.5 to 2.5	Pass
				0	3.84	4.510	0.0063	-2.5 to 2.5	Pass
				10	3.84	9.611	0.0135	-2.5 to 2.5	Pass
				30	3.84	13.193	0.0185	-2.5 to 2.5	Pass
				40	3.84	17.980	0.0252	-2.5 to 2.5	Pass
				50	3.84	22.208	0.0311	-2.5 to 2.5	Pass



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2.4 B12_10MHz

2.4.1 Test Result

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.6	29.354	0.0417	-2.5 to 2.5	Pass
					3.84	35.706	0.0507	-2.5 to 2.5	Pass
					4.25	36.378	0.0517	-2.5 to 2.5	Pass
				-30	3.84	32.444	0.0461	-2.5 to 2.5	Pass
				-20	3.84	22.459	0.0319	-2.5 to 2.5	Pass
				-10	3.84	12.045	0.0171	-2.5 to 2.5	Pass
				0	3.84	1.245	0.0018	-2.5 to 2.5	Pass
				10	3.84	-8.855	-0.0126	-2.5 to 2.5	Pass
				30	3.84	-18.926	-0.0269	-2.5 to 2.5	Pass
				40	3.84	-27.251	-0.0387	-2.5 to 2.5	Pass
				50	3.84	-33.689	-0.0479	-2.5 to 2.5	Pass
	707.5	50	0	20	3.6	-0.029	0.0000	-2.5 to 2.5	Pass
					3.84	-0.429	-0.0006	-2.5 to 2.5	Pass
					4.25	-0.200	-0.0003	-2.5 to 2.5	Pass
				-30	3.84	-2.518	-0.0036	-2.5 to 2.5	Pass
				-20	3.84	-5.507	-0.0078	-2.5 to 2.5	Pass
				-10	3.84	-9.441	-0.0133	-2.5 to 2.5	Pass
				0	3.84	-12.760	-0.0180	-2.5 to 2.5	Pass
				10	3.84	-16.193	-0.0229	-2.5 to 2.5	Pass
				30	3.84	-19.169	-0.0271	-2.5 to 2.5	Pass
				40	3.84	-22.259	-0.0315	-2.5 to 2.5	Pass
				50	3.84	-25.506	-0.0361	-2.5 to 2.5	Pass
	711	50	0	20	3.6	2.375	0.0033	-2.5 to 2.5	Pass
					3.84	3.290	0.0046	-2.5 to 2.5	Pass
					4.25	4.249	0.0060	-2.5 to 2.5	Pass
				-30	3.84	2.632	0.0037	-2.5 to 2.5	Pass
				-20	3.84	-0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.84	-2.847	-0.0040	-2.5 to 2.5	Pass
				0	3.84	-6.752	-0.0095	-2.5 to 2.5	Pass
				10	3.84	-9.956	-0.0140	-2.5 to 2.5	Pass
				30	3.84	-13.118	-0.0185	-2.5 to 2.5	Pass
				40	3.84	-16.408	-0.0231	-2.5 to 2.5	Pass
				50	3.84	-19.999	-0.0281	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.6	-41.499	-0.0589	-2.5 to 2.5	Pass
					3.84	-46.120	-0.0655	-2.5 to 2.5	Pass
					4.25	-47.750	-0.0678	-2.5 to 2.5	Pass
				-30	3.84	-48.394	-0.0687	-2.5 to 2.5	Pass
				-20	3.84	-47.665	-0.0677	-2.5 to 2.5	Pass
				-10	3.84	-46.749	-0.0664	-2.5 to 2.5	Pass
				0	3.84	-44.832	-0.0637	-2.5 to 2.5	Pass
				10	3.84	-43.859	-0.0623	-2.5 to 2.5	Pass



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				30	3.84	-42.443	-0.0603	-2.5 to 2.5	Pass
				40	3.84	-41.685	-0.0592	-2.5 to 2.5	Pass
				50	3.84	-41.142	-0.0584	-2.5 to 2.5	Pass
707.5	50	0	20	3.6	-28.596	-0.0404	-2.5 to 2.5	Pass	Pass
				3.84	-28.996	-0.0410	-2.5 to 2.5	Pass	Pass
				4.25	-27.852	-0.0394	-2.5 to 2.5	Pass	Pass
			-30	3.84	-24.662	-0.0349	-2.5 to 2.5	Pass	Pass
				-20	3.84	-22.373	-0.0316	-2.5 to 2.5	Pass
				-10	3.84	-19.941	-0.0282	-2.5 to 2.5	Pass
			0	3.84	-16.737	-0.0237	-2.5 to 2.5	Pass	Pass
				10	3.84	-12.102	-0.0171	-2.5 to 2.5	Pass
				30	3.84	-8.683	-0.0123	-2.5 to 2.5	Pass
			40	3.84	-5.121	-0.0072	-2.5 to 2.5	Pass	Pass
				50	3.84	-1.817	-0.0026	-2.5 to 2.5	Pass
				3.6	-23.518	-0.0331	-2.5 to 2.5	Pass	Pass
711	50	0	20	3.84	-23.904	-0.0336	-2.5 to 2.5	Pass	Pass
				4.25	-21.415	-0.0301	-2.5 to 2.5	Pass	Pass
				-30	3.84	-18.396	-0.0259	-2.5 to 2.5	Pass
			-20	3.84	-14.949	-0.0210	-2.5 to 2.5	Pass	Pass
				-10	3.84	-10.571	-0.0149	-2.5 to 2.5	Pass
			0	3.84	-7.381	-0.0104	-2.5 to 2.5	Pass	Pass
				10	3.84	-3.262	-0.0046	-2.5 to 2.5	Pass
				30	3.84	0.386	0.0005	-2.5 to 2.5	Pass
			40	3.84	3.877	0.0055	-2.5 to 2.5	Pass	Pass
				50	3.84	7.038	0.0099	-2.5 to 2.5	Pass
				3.6	16.671	0.0237	-2.5 to 2.5	Pass	Pass
64QAM	704	50	20	3.84	18.621	0.0265	-2.5 to 2.5	Pass	Pass
				4.25	17.322	0.0246	-2.5 to 2.5	Pass	Pass
				-30	3.84	13.533	0.0192	-2.5 to 2.5	Pass
			-20	3.84	7.497	0.0106	-2.5 to 2.5	Pass	Pass
				-10	3.84	-1.432	-0.0020	-2.5 to 2.5	Pass
			0	3.84	-11.579	-0.0164	-2.5 to 2.5	Pass	Pass
				10	3.84	-18.806	-0.0267	-2.5 to 2.5	Pass
				30	3.84	-27.538	-0.0391	-2.5 to 2.5	Pass
			40	3.84	-36.792	-0.0523	-2.5 to 2.5	Pass	Pass
				50	3.84	-43.291	-0.0615	-2.5 to 2.5	Pass
				3.6	-0.792	-0.0011	-2.5 to 2.5	Pass	Pass
	707.5	50	20	3.84	-3.884	-0.0055	-2.5 to 2.5	Pass	Pass
				4.25	-6.236	-0.0088	-2.5 to 2.5	Pass	Pass
				-30	3.84	-9.947	-0.0141	-2.5 to 2.5	Pass
			-20	3.84	-15.277	-0.0216	-2.5 to 2.5	Pass	Pass
				-10	3.84	-20.506	-0.0290	-2.5 to 2.5	Pass
			0	3.84	-23.859	-0.0337	-2.5 to 2.5	Pass	Pass
				10	3.84	-28.865	-0.0408	-2.5 to 2.5	Pass
				30	3.84	-33.875	-0.0479	-2.5 to 2.5	Pass
			40	3.84	-38.352	-0.0542	-2.5 to 2.5	Pass	Pass
				50	3.84	-42.577	-0.0602	-2.5 to 2.5	Pass
				3.6	-1.188	-0.0017	-2.5 to 2.5	Pass	Pass
	711	50	0	20	3.84	-2.682	-0.0038	-2.5 to 2.5	Pass



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					4.25	-3.745	-0.0053	-2.5 to 2.5	Pass
				-30	3.84	-5.177	-0.0073	-2.5 to 2.5	Pass
				-20	3.84	-8.015	-0.0113	-2.5 to 2.5	Pass
				-10	3.84	-11.477	-0.0161	-2.5 to 2.5	Pass
				0	3.84	-15.251	-0.0215	-2.5 to 2.5	Pass
				10	3.84	-19.441	-0.0273	-2.5 to 2.5	Pass
				30	3.84	-22.905	-0.0322	-2.5 to 2.5	Pass
				40	3.84	-25.242	-0.0355	-2.5 to 2.5	Pass
				50	3.84	-29.509	-0.0415	-2.5 to 2.5	Pass
256QAM	704	50	0	20	3.6	-49.979	-0.0710	-2.5 to 2.5	Pass
					3.84	-55.506	-0.0788	-2.5 to 2.5	Pass
					4.25	-57.714	-0.0820	-2.5 to 2.5	Pass
				-30	3.84	-57.413	-0.0816	-2.5 to 2.5	Pass
				-20	3.84	-55.811	-0.0793	-2.5 to 2.5	Pass
				-10	3.84	-53.817	-0.0764	-2.5 to 2.5	Pass
				0	3.84	-50.848	-0.0722	-2.5 to 2.5	Pass
				10	3.84	-48.602	-0.0690	-2.5 to 2.5	Pass
				30	3.84	-45.733	-0.0650	-2.5 to 2.5	Pass
	40	3.84	-44.030	-0.0625	-2.5 to 2.5	Pass			
	50	3.84	-41.478	-0.0589	-2.5 to 2.5	Pass			
	707.5	50	0	20	3.6	-46.161	-0.0652	-2.5 to 2.5	Pass
					3.84	-46.661	-0.0660	-2.5 to 2.5	Pass
					4.25	-44.877	-0.0634	-2.5 to 2.5	Pass
				-30	3.84	-41.925	-0.0593	-2.5 to 2.5	Pass
				-20	3.84	-37.593	-0.0531	-2.5 to 2.5	Pass
				-10	3.84	-32.995	-0.0466	-2.5 to 2.5	Pass
				0	3.84	-28.244	-0.0399	-2.5 to 2.5	Pass
				10	3.84	-25.152	-0.0356	-2.5 to 2.5	Pass
				30	3.84	-20.926	-0.0296	-2.5 to 2.5	Pass
	40	3.84	-17.479	-0.0247	-2.5 to 2.5	Pass			
	50	3.84	-13.913	-0.0197	-2.5 to 2.5	Pass			
	711	50	0	20	3.6	-31.913	-0.0449	-2.5 to 2.5	Pass
					3.84	-32.392	-0.0456	-2.5 to 2.5	Pass
					4.25	-29.172	-0.0410	-2.5 to 2.5	Pass
				-30	3.84	-26.123	-0.0367	-2.5 to 2.5	Pass
				-20	3.84	-22.021	-0.0310	-2.5 to 2.5	Pass
				-10	3.84	-17.340	-0.0244	-2.5 to 2.5	Pass
				0	3.84	-13.064	-0.0184	-2.5 to 2.5	Pass
				10	3.84	-7.877	-0.0111	-2.5 to 2.5	Pass
30				3.84	-3.451	-0.0049	-2.5 to 2.5	Pass	
40	3.84	-0.011	0.0000	-2.5 to 2.5	Pass				
50	3.84	1.901	0.0027	-2.5 to 2.5	Pass				



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3. 99% & 26dB Bandwidth

3.1 Band12_OBW

3.1.1 Test Result

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.107	/	Pass
		707.5	6	0	1.115	/	Pass
		715.3	6	0	1.118	/	Pass
	16QAM	699.7	6	0	1.118	/	Pass
		707.5	6	0	1.109	/	Pass
		715.3	6	0	1.107	/	Pass
	64QAM	699.7	6	0	1.112	/	Pass
		707.5	6	0	1.109	/	Pass
		715.3	6	0	1.115	/	Pass
	256QAM	699.7	6	0	1.112	/	Pass
		707.5	6	0	1.120	/	Pass
		715.3	6	0	1.108	/	Pass
3	QPSK	700.5	15	0	2.733	/	Pass
		707.5	15	0	2.731	/	Pass
		714.5	15	0	2.739	/	Pass
	16QAM	700.5	15	0	2.722	/	Pass
		707.5	15	0	2.738	/	Pass
		714.5	15	0	2.732	/	Pass
	64QAM	700.5	15	0	2.735	/	Pass
		707.5	15	0	2.729	/	Pass
		714.5	15	0	2.729	/	Pass
	256QAM	700.5	15	0	2.727	/	Pass
		707.5	15	0	2.736	/	Pass
		714.5	15	0	2.732	/	Pass
5	QPSK	701.5	25	0	4.566	/	Pass
		707.5	25	0	4.545	/	Pass
		713.5	25	0	4.554	/	Pass
	16QAM	701.5	25	0	4.541	/	Pass
		707.5	25	0	4.563	/	Pass
		713.5	25	0	4.580	/	Pass
	64QAM	701.5	25	0	4.548	/	Pass
		707.5	25	0	4.547	/	Pass
		713.5	25	0	4.548	/	Pass
	256QAM	701.5	25	0	4.556	/	Pass
		707.5	25	0	4.560	/	Pass
		713.5	25	0	4.548	/	Pass
10	QPSK	704	50	0	9.061	/	Pass
		707.5	50	0	9.017	/	Pass
		711	50	0	9.061	/	Pass



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	16QAM	704	50	0	9.052	/	Pass
		707.5	50	0	9.052	/	Pass
		711	50	0	9.045	/	Pass
	64QAM	704	50	0	9.038	/	Pass
		707.5	50	0	9.039	/	Pass
		711	50	0	9.026	/	Pass
	256QAM	704	50	0	9.055	/	Pass
		707.5	50	0	9.035	/	Pass
		711	50	0	9.051	/	Pass



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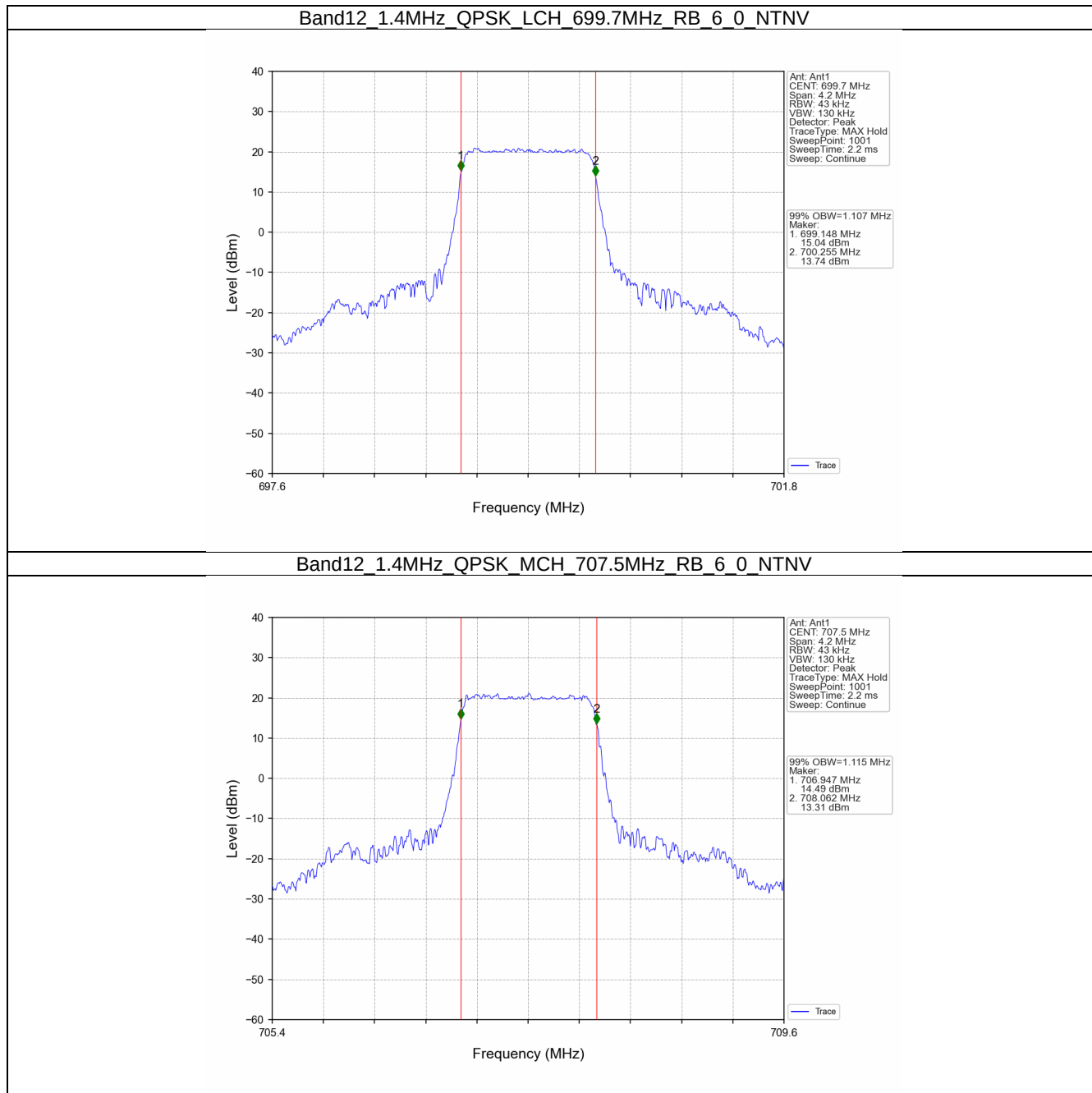
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3.1.2 Test Graph



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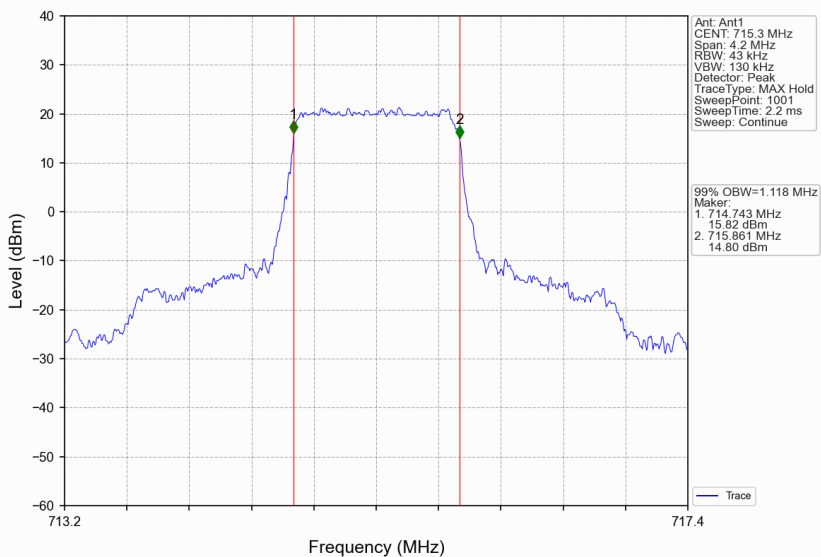
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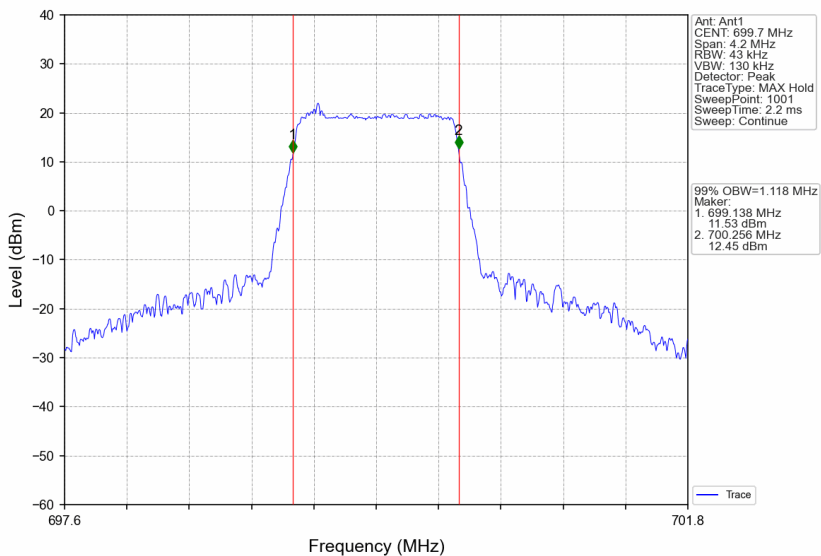
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Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



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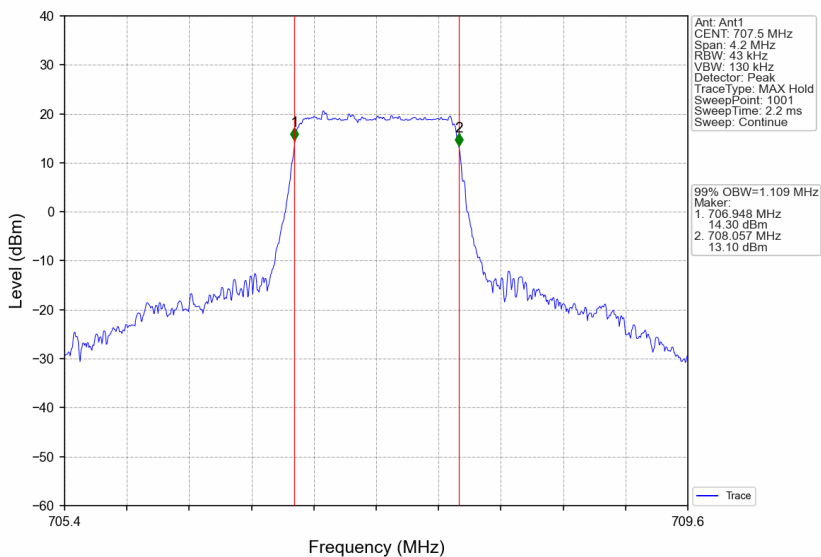
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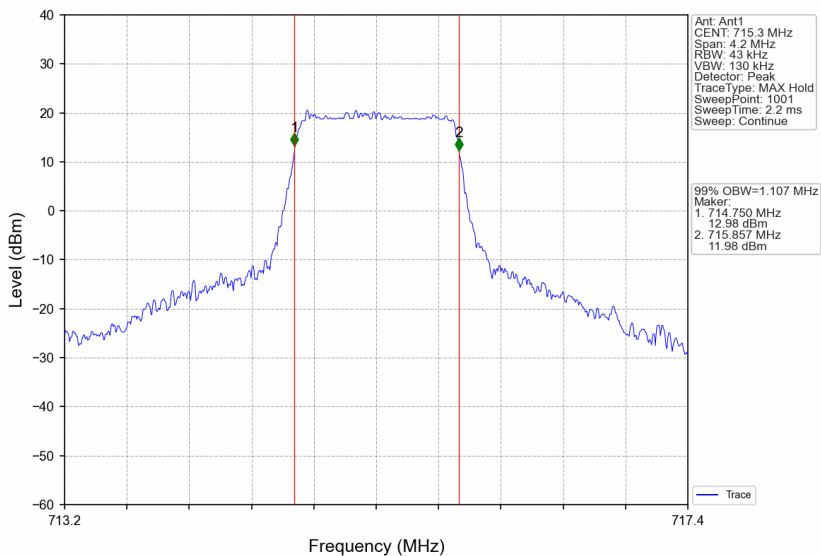
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Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTV



Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTV



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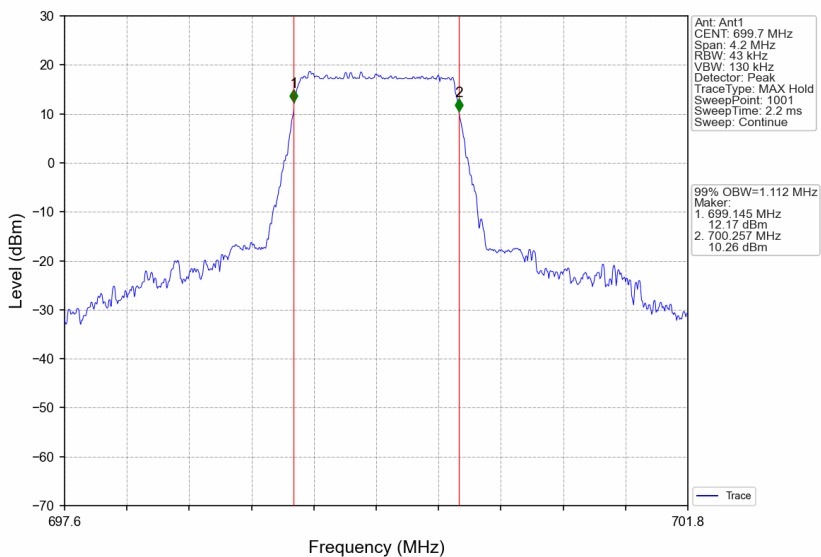
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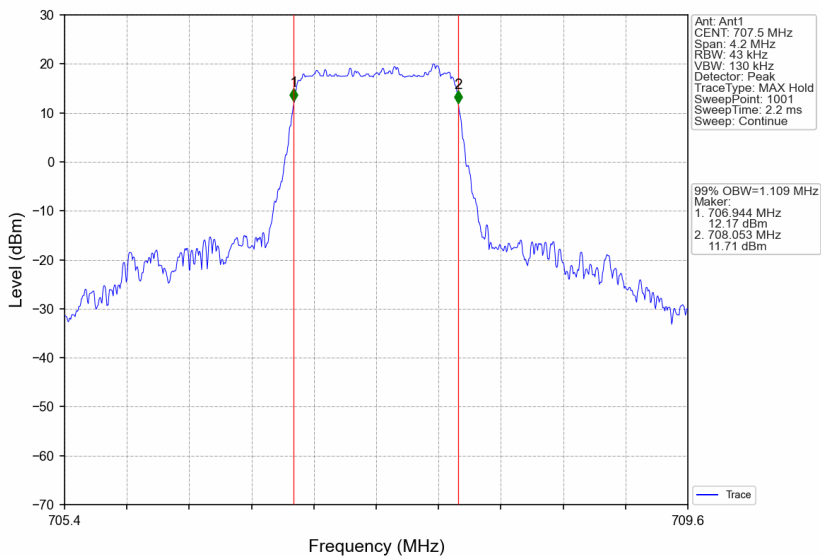
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Band12 1.4MHz 64QAM LCH 699.7MHz_RB_6_0_NTNV



Band12 1.4MHz 64QAM MCH 707.5MHz_RB_6_0_NTNV



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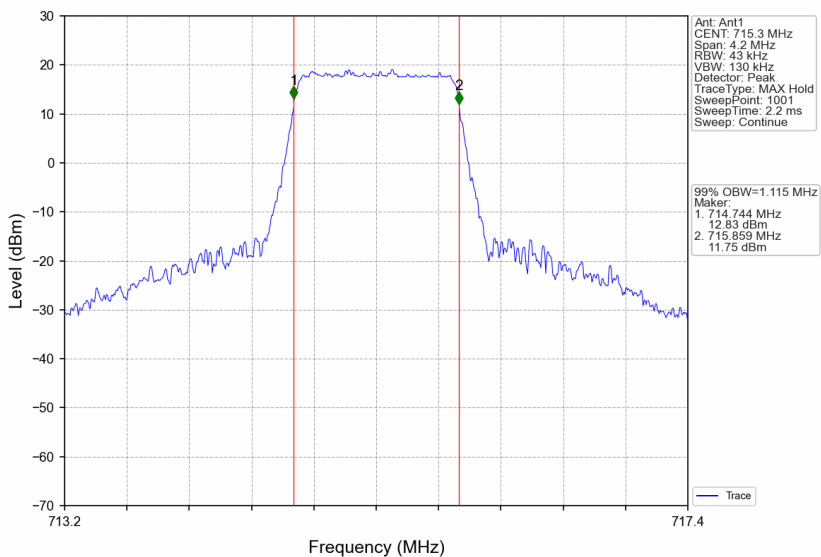
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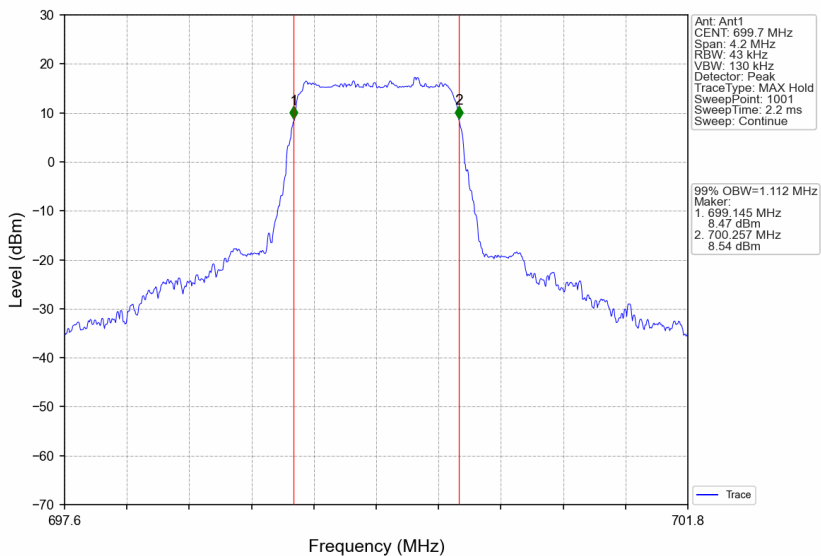
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Band12 1.4MHz 64QAM HCH 715.3MHz_RB_6_0 NTN



Band12 1.4MHz 256QAM LCH 699.7MHz_RB_6_0 NTN



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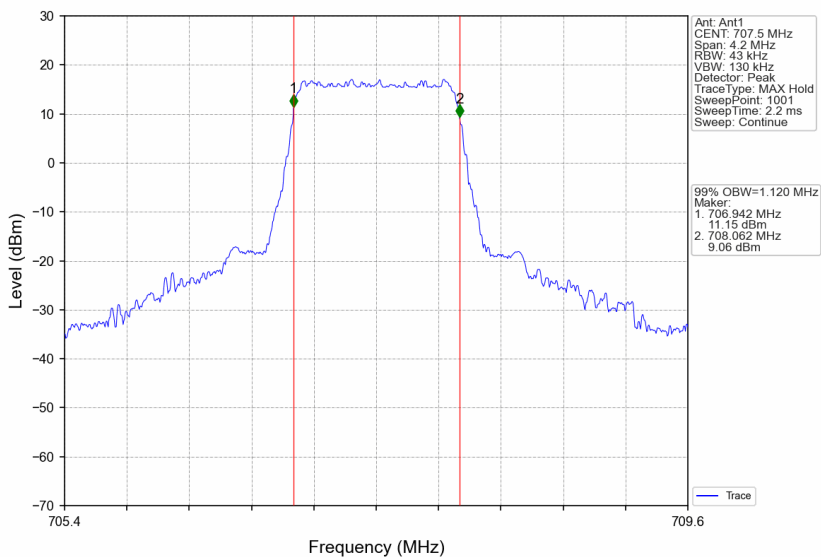
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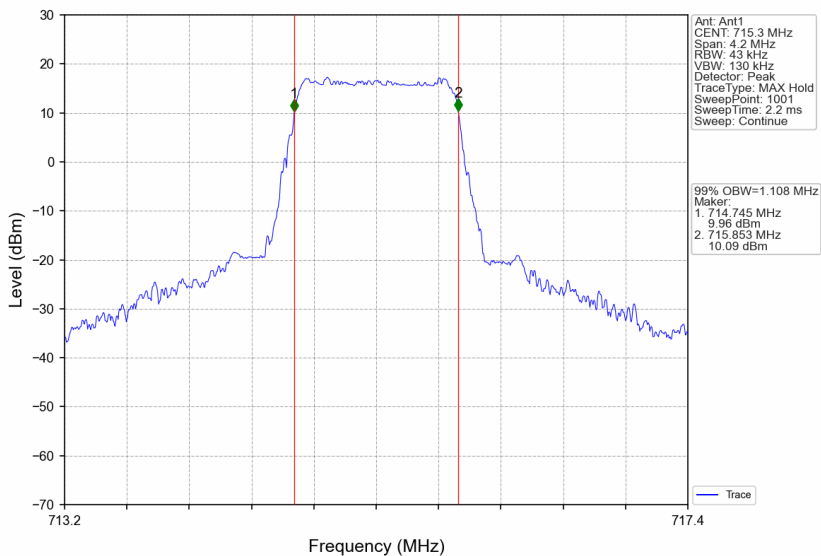
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Band12_1.4MHz_256QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_256QAM_HCH_715.3MHz_RB_6_0_NTNV



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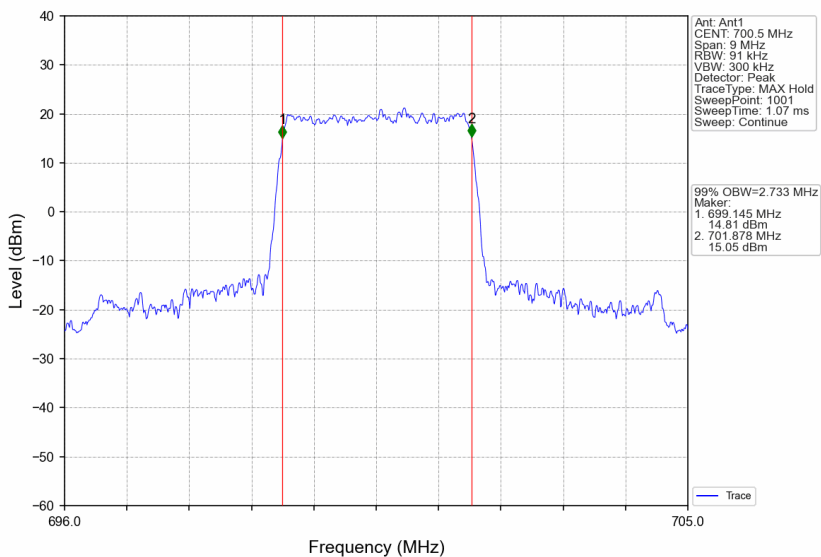
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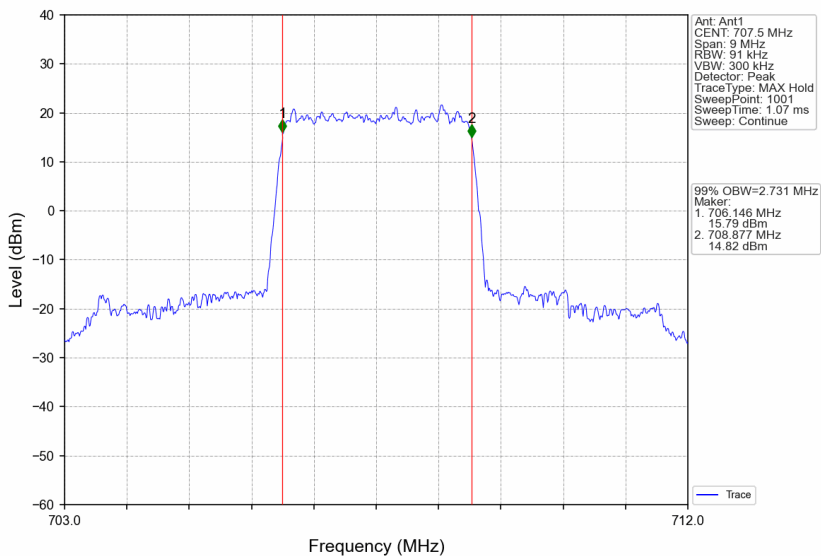
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Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



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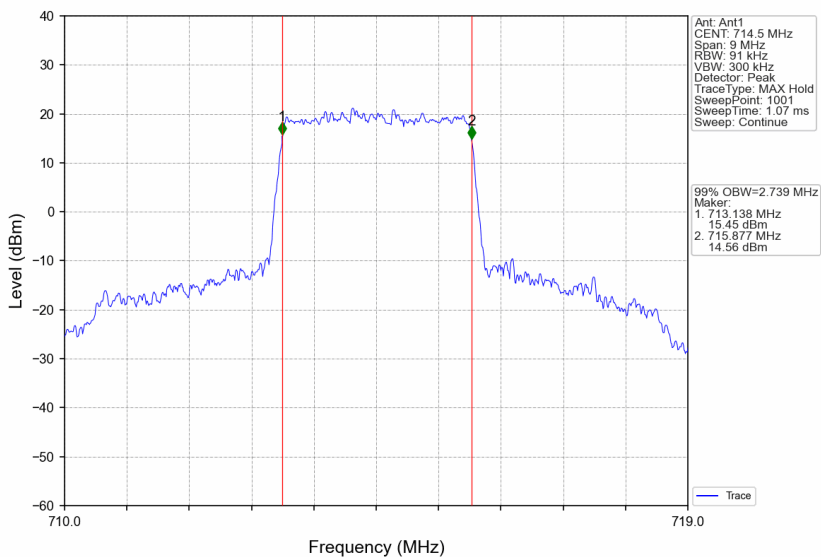
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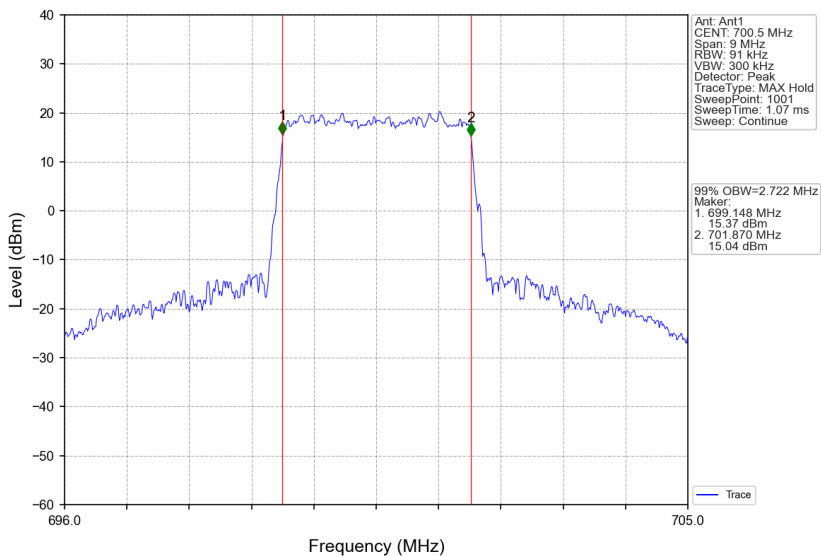
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Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



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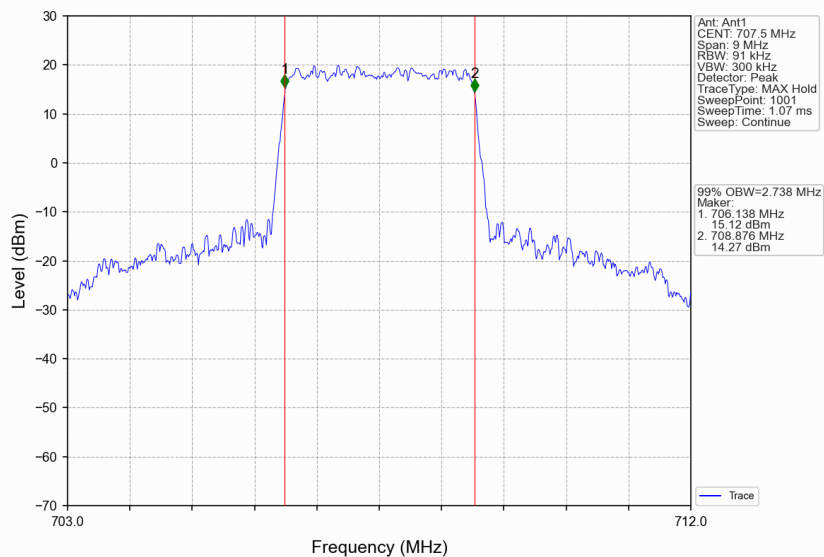
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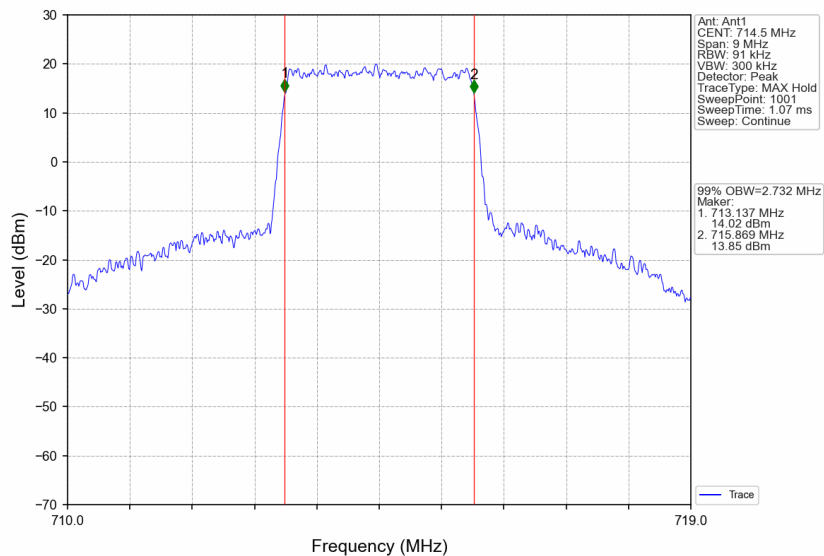
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Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



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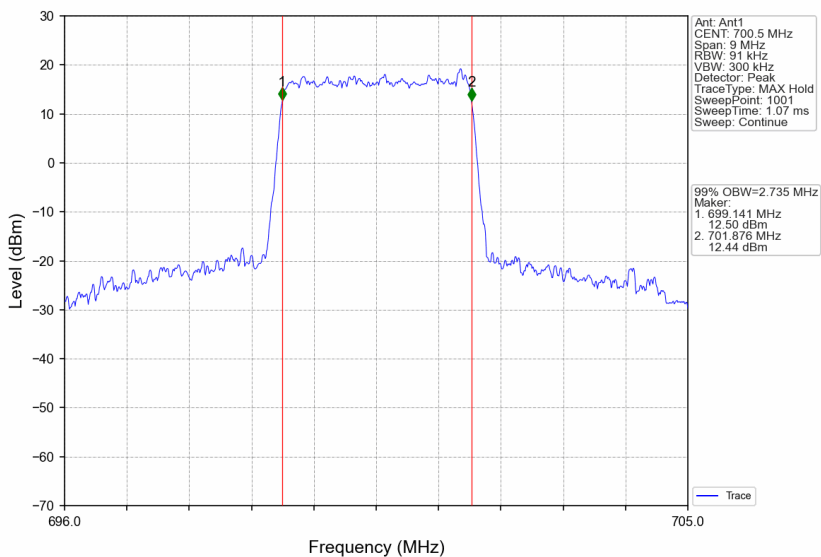
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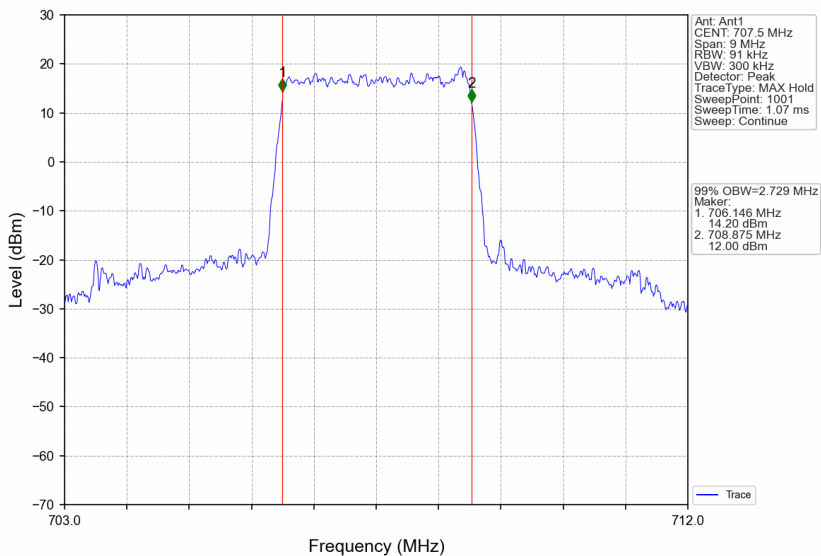
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Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



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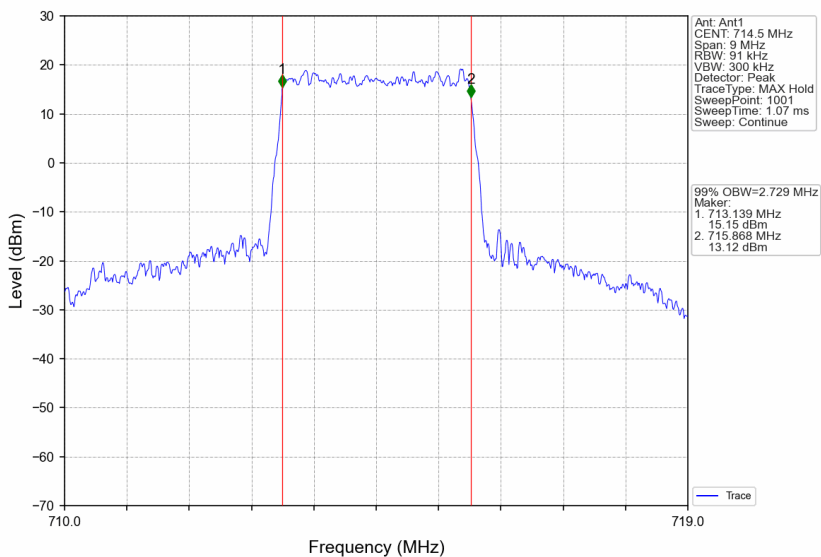
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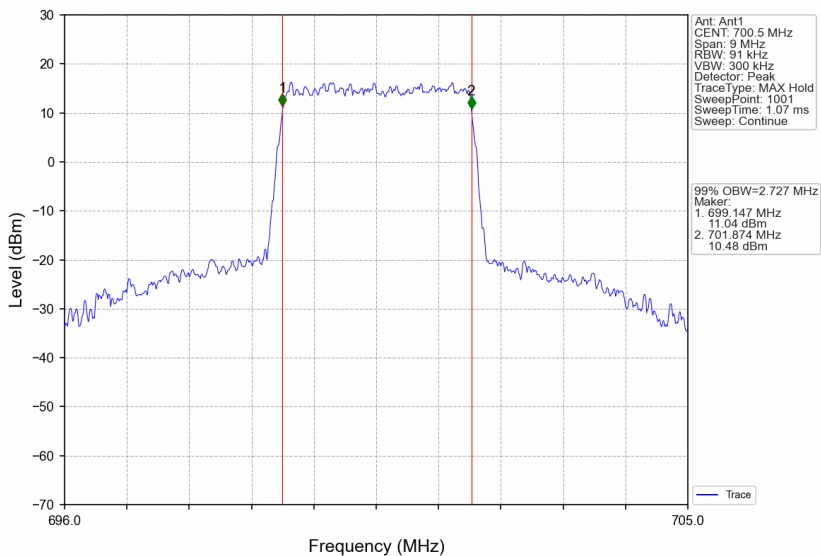
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Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



Band12_3MHz_256QAM_LCH_700.5MHz_RB_15_0_NTNV



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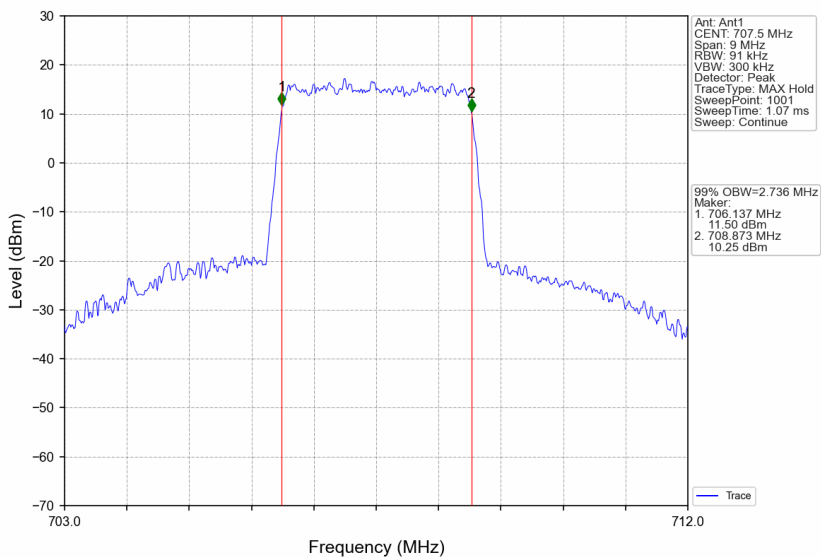
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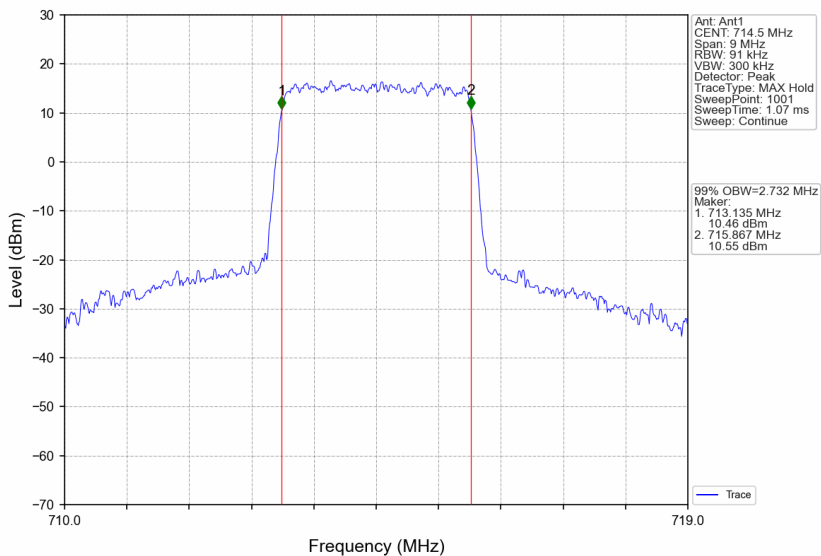
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Band12_3MHz_256QAM_HCH_714.5MHz_RB_15_0_NTNV



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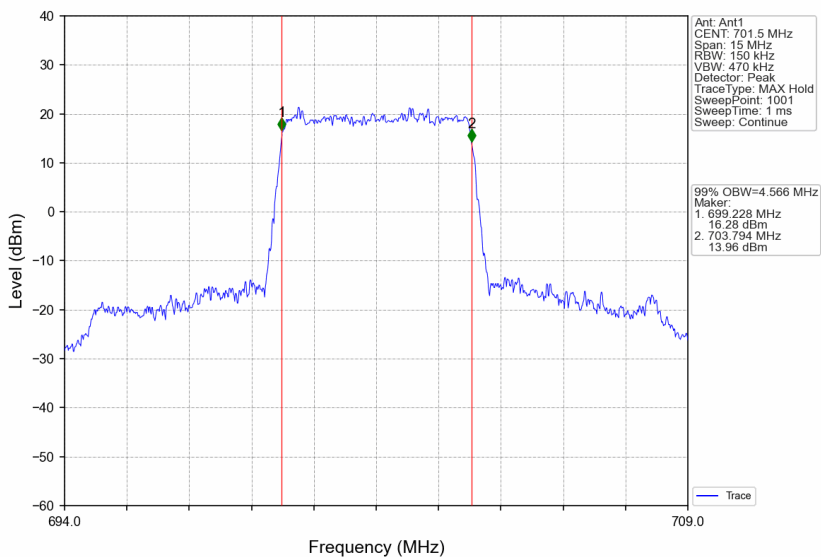
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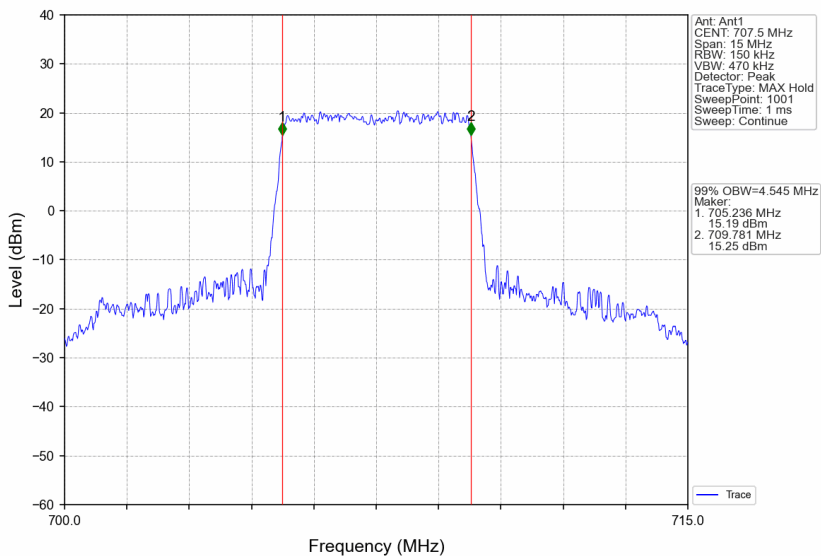
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Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



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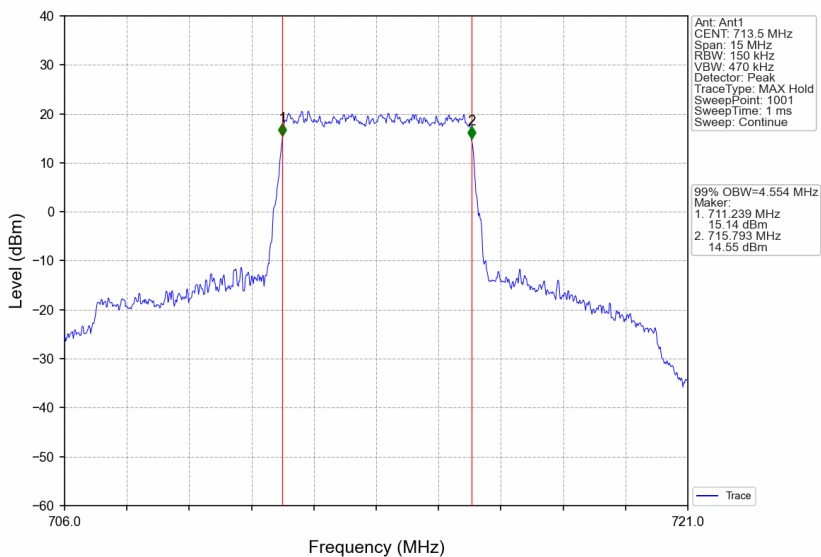
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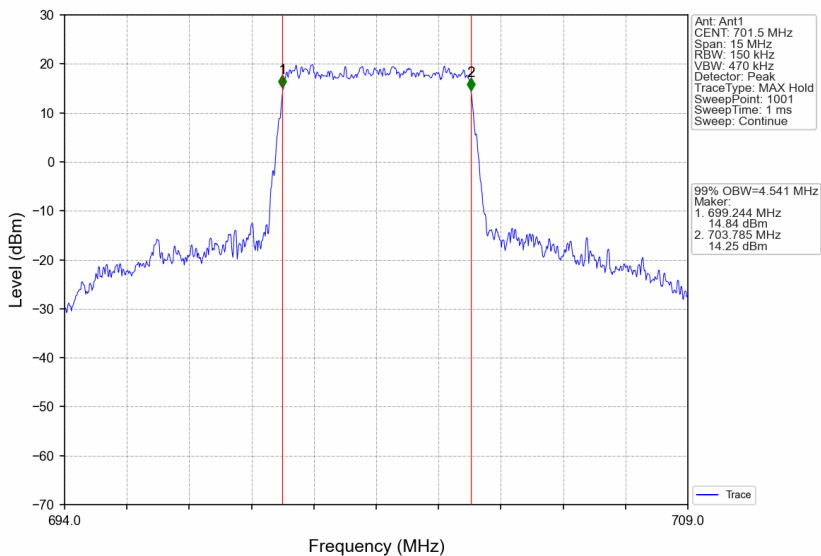
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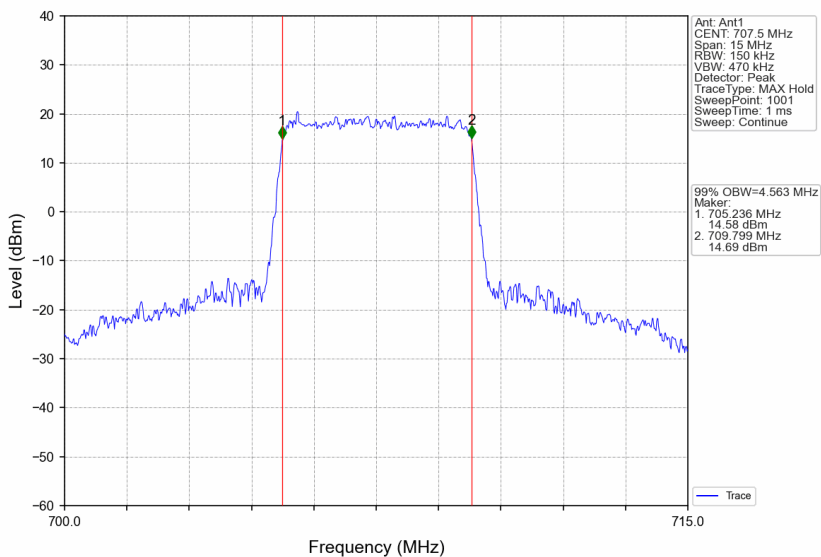
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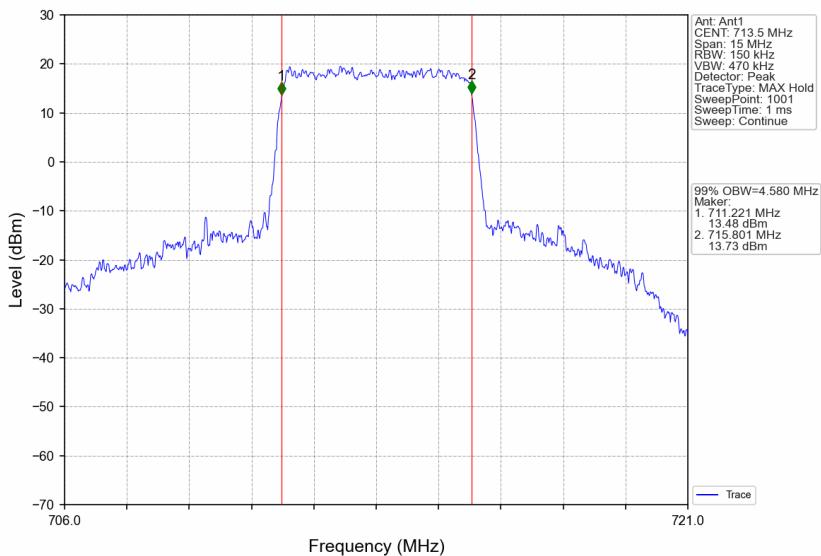
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Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



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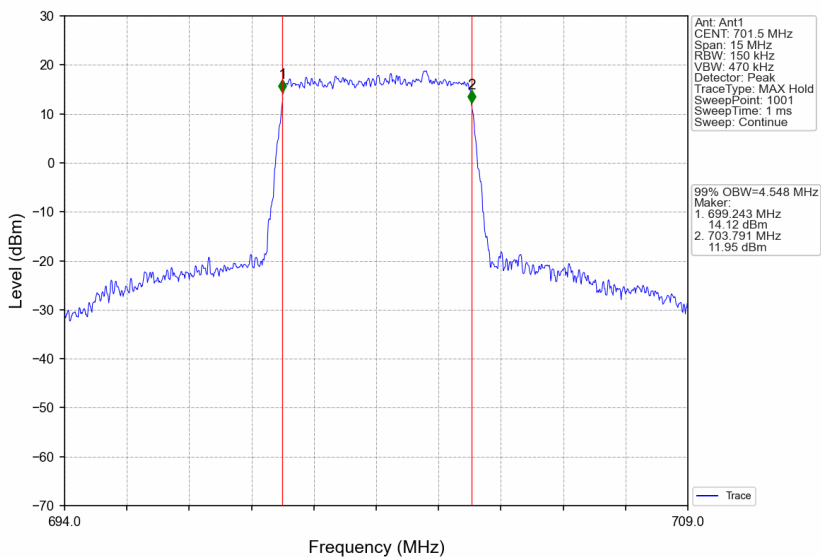
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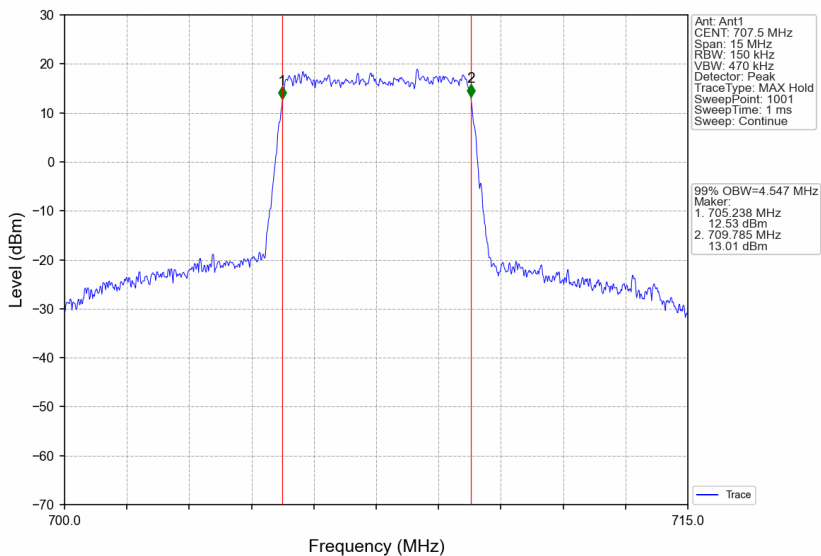
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Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



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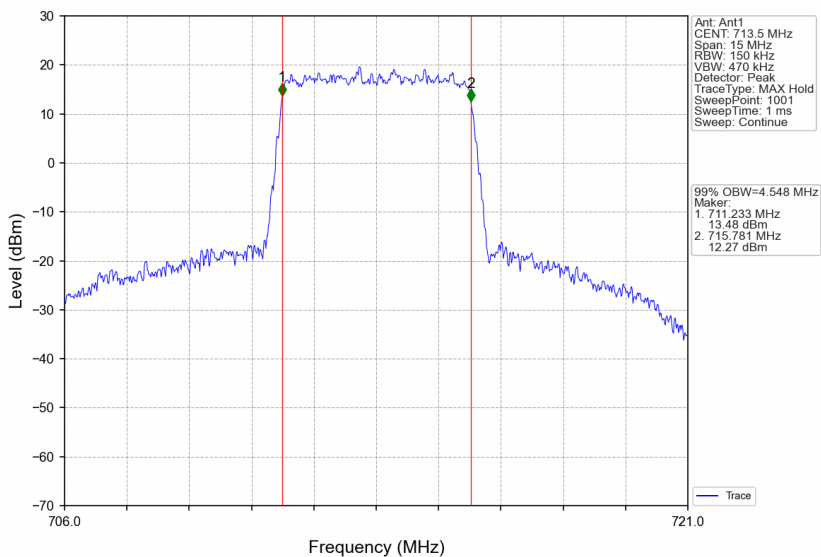
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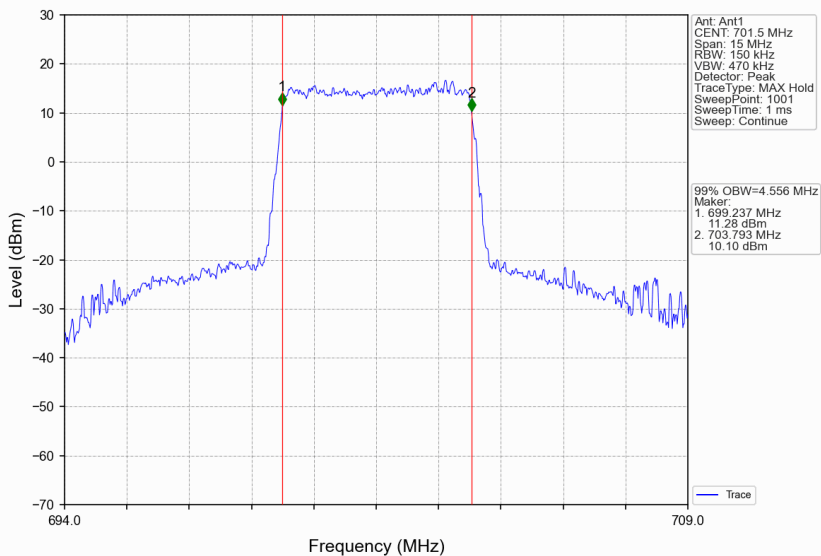
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Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



Band12_5MHz_256QAM_LCH_701.5MHz_RB_25_0_NTNV



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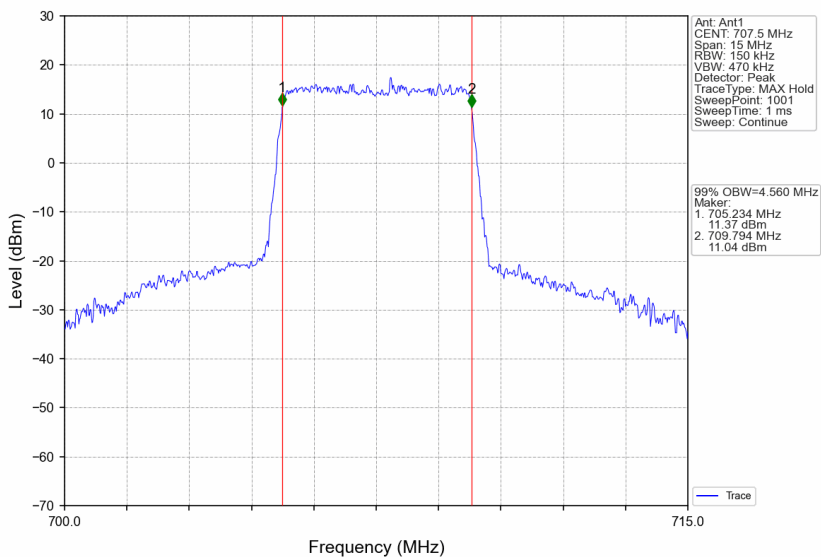
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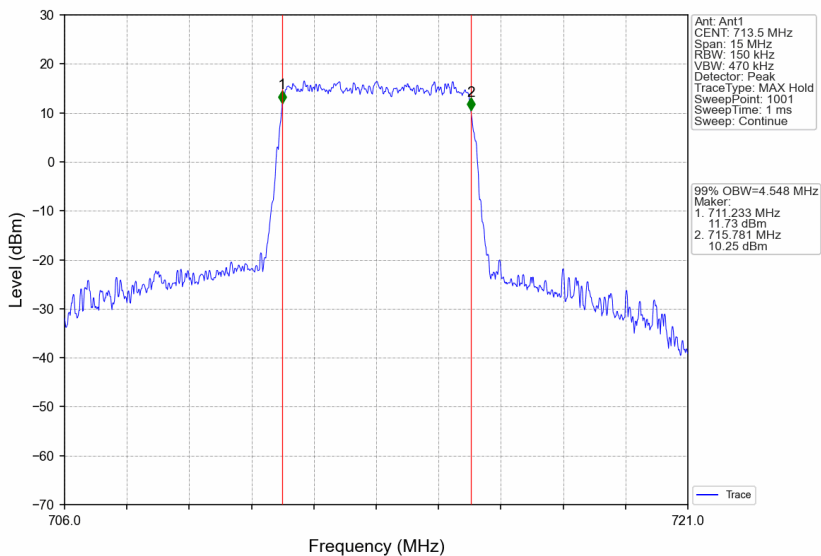
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Band12_5MHz_256QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_256QAM_HCH_713.5MHz_RB_25_0_NTNV



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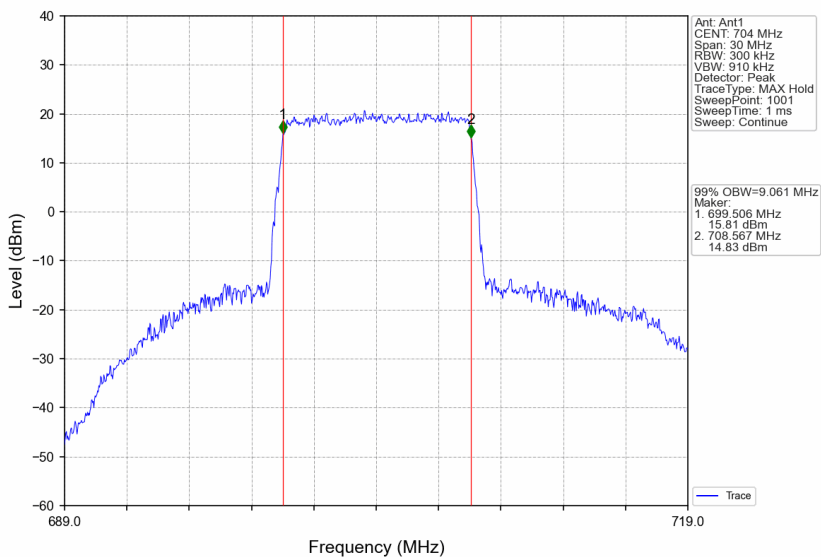
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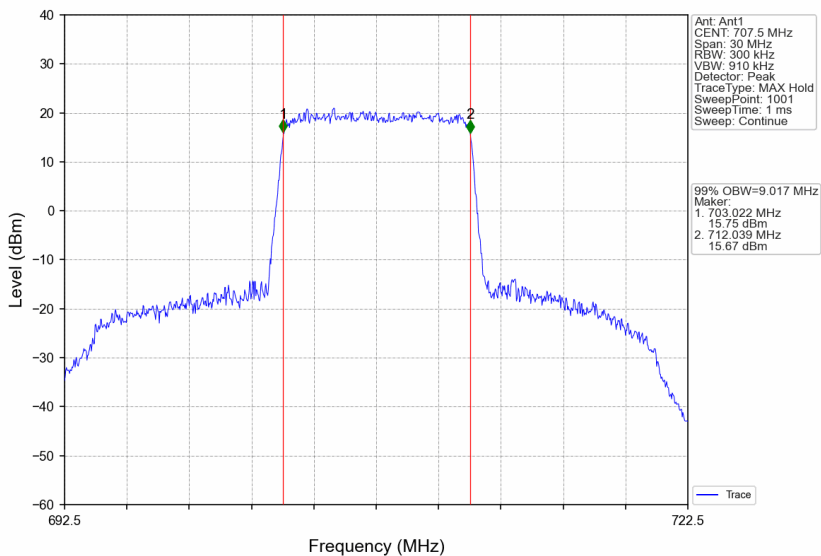
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Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



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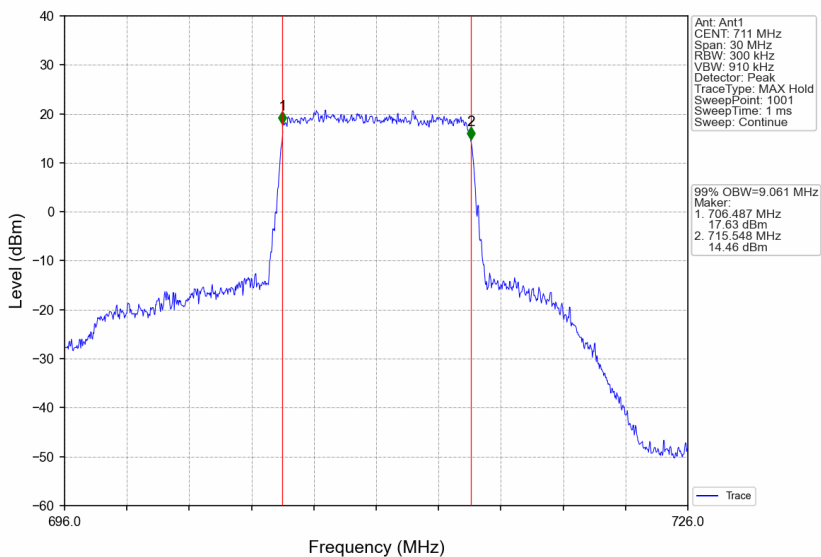
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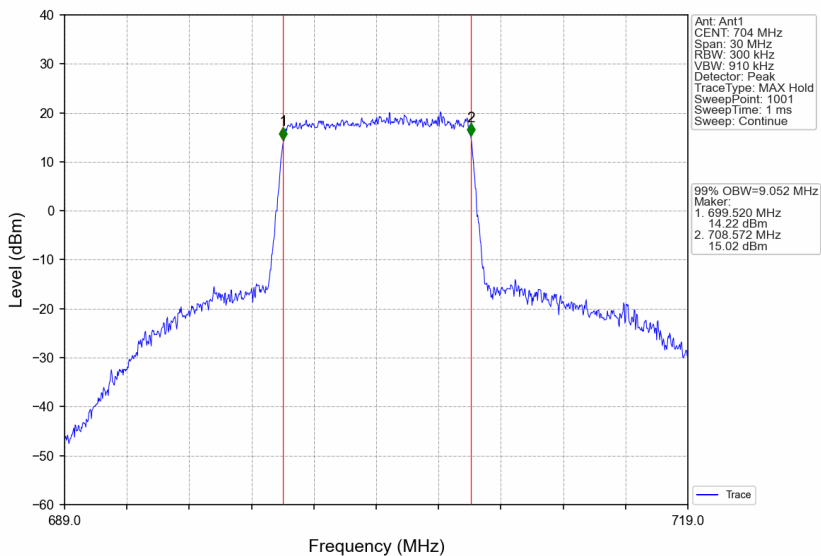
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Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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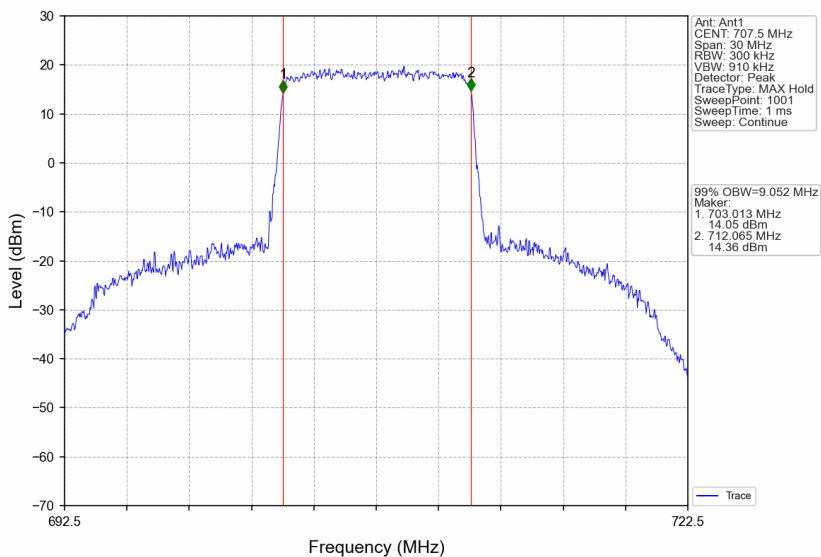
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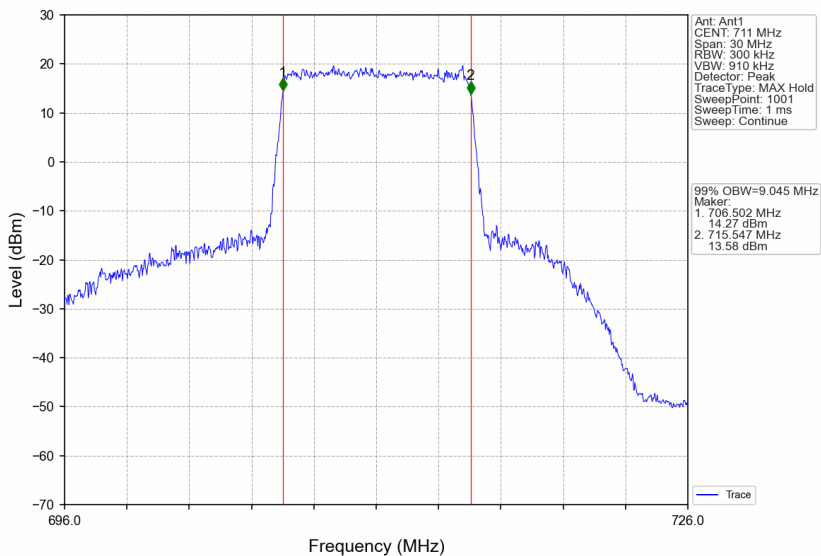
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Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



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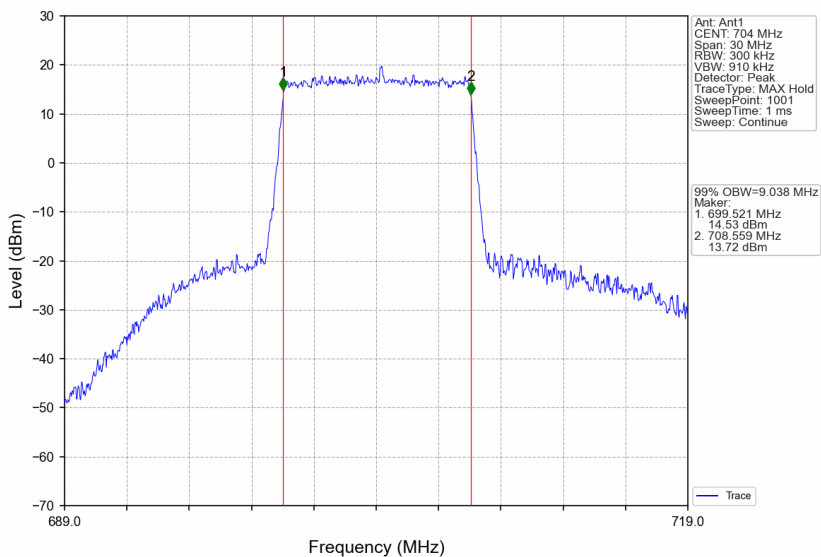
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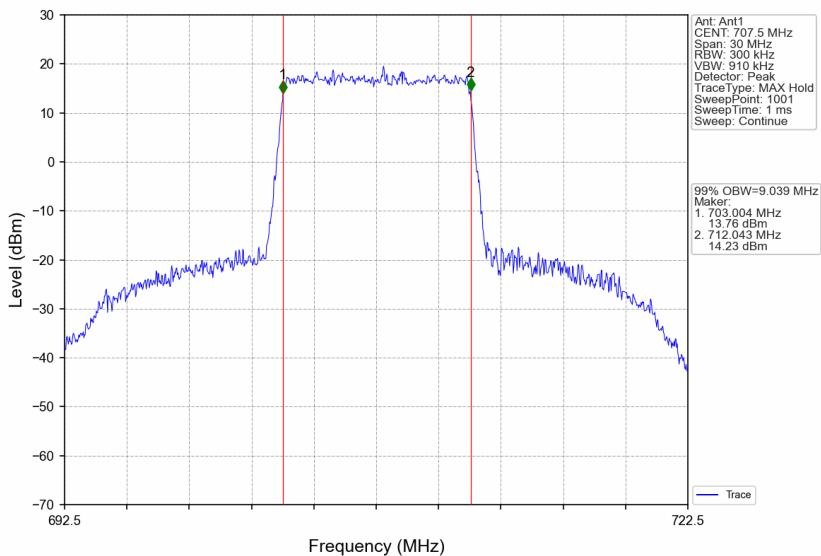
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Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



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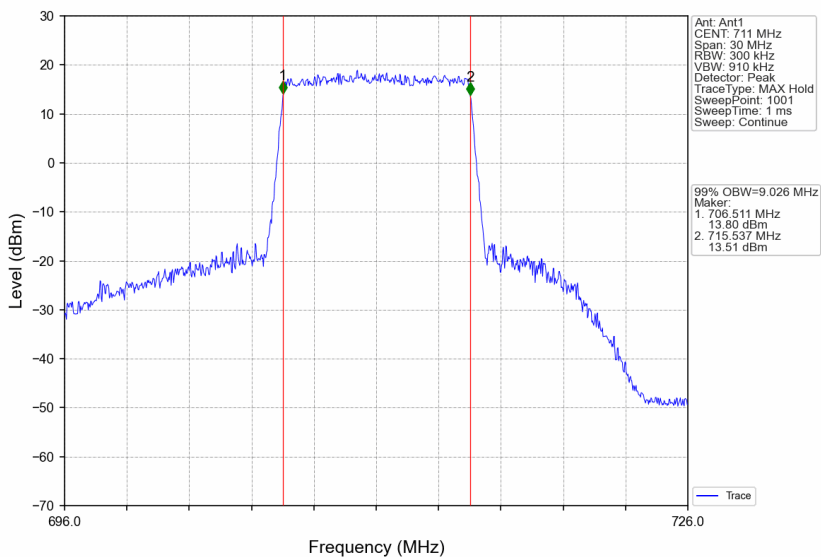
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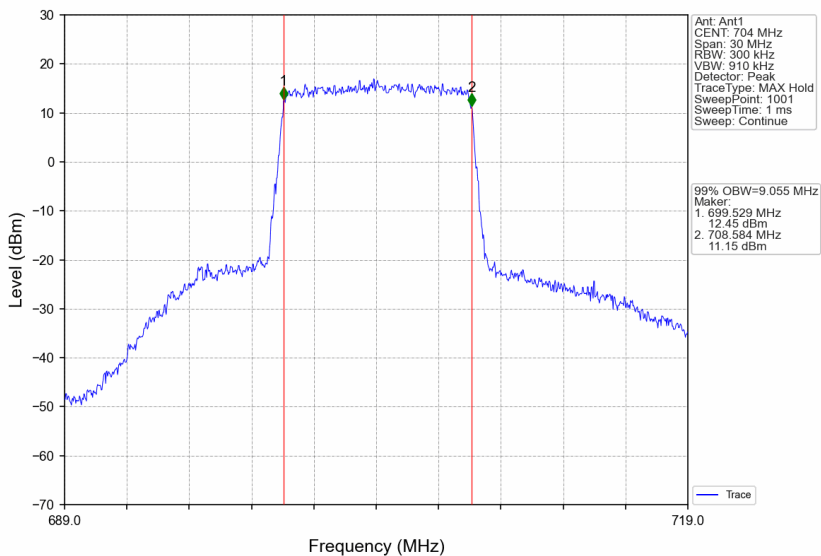
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Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_LCH_704MHz_RB_50_0_NTNV



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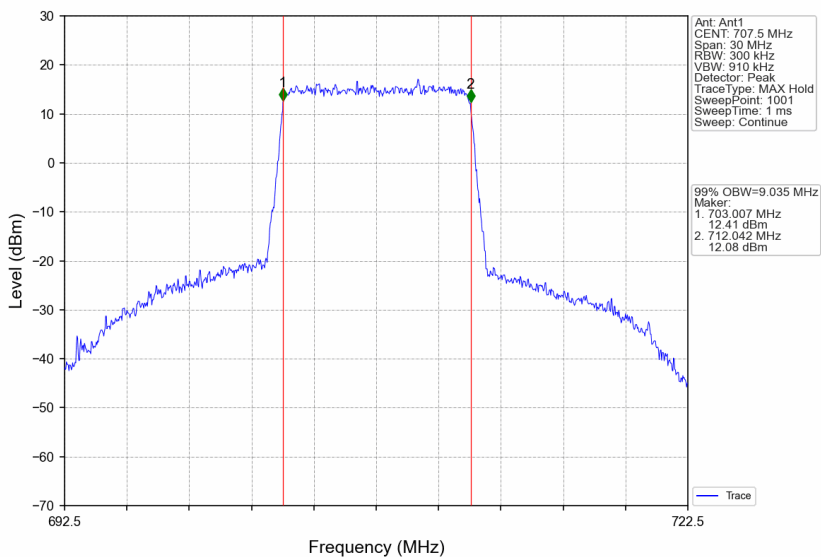
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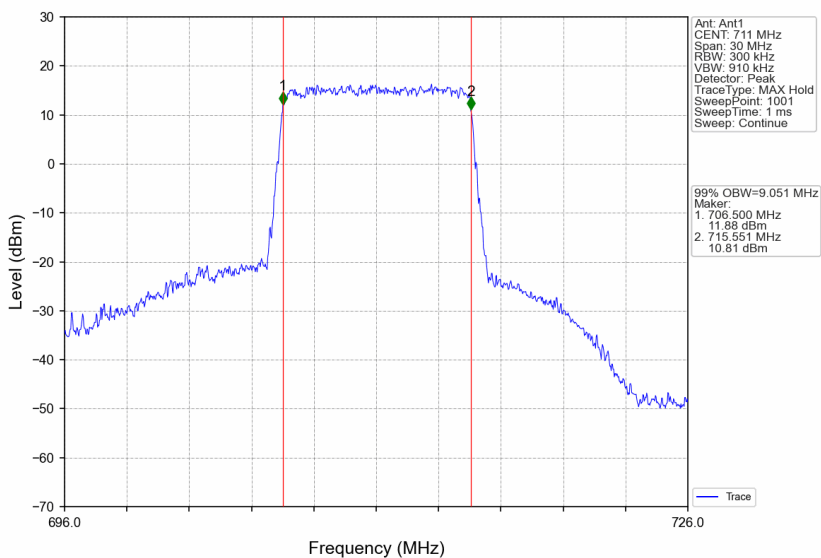
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Band12_10MHz_256QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_256QAM_HCH_711MHz_RB_50_0_NTNV



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3.2 Band12_XDB

3.2.1 Test Result

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.319	/	Pass
		707.5	6	0	1.319	/	Pass
		715.3	6	0	1.324	/	Pass
	16QAM	699.7	6	0	1.333	/	Pass
		707.5	6	0	1.304	/	Pass
		715.3	6	0	1.333	/	Pass
	64QAM	699.7	6	0	1.344	/	Pass
		707.5	6	0	1.308	/	Pass
		715.3	6	0	1.337	/	Pass
	256QAM	699.7	6	0	1.309	/	Pass
		707.5	6	0	1.348	/	Pass
		715.3	6	0	1.315	/	Pass
3	QPSK	700.5	15	0	3.010	/	Pass
		707.5	15	0	3.013	/	Pass
		714.5	15	0	3.016	/	Pass
	16QAM	700.5	15	0	3.035	/	Pass
		707.5	15	0	3.035	/	Pass
		714.5	15	0	3.029	/	Pass
	64QAM	700.5	15	0	2.994	/	Pass
		707.5	15	0	3.014	/	Pass
		714.5	15	0	3.016	/	Pass
	256QAM	700.5	15	0	3.020	/	Pass
		707.5	15	0	3.036	/	Pass
		714.5	15	0	3.019	/	Pass
5	QPSK	701.5	25	0	5.061	/	Pass
		707.5	25	0	5.076	/	Pass
		713.5	25	0	5.059	/	Pass
	16QAM	701.5	25	0	5.086	/	Pass
		707.5	25	0	5.067	/	Pass
		713.5	25	0	5.076	/	Pass
	64QAM	701.5	25	0	5.035	/	Pass
		707.5	25	0	5.067	/	Pass
		713.5	25	0	5.060	/	Pass
	256QAM	701.5	25	0	5.053	/	Pass
		707.5	25	0	5.056	/	Pass
		713.5	25	0	5.056	/	Pass
10	QPSK	704	50	0	10.008	/	Pass
		707.5	50	0	9.918	/	Pass
		711	50	0	9.974	/	Pass



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	16QAM	704	50	0	9.930	/	Pass
		707.5	50	0	9.936	/	Pass
		711	50	0	10.030	/	Pass
	64QAM	704	50	0	9.881	/	Pass
		707.5	50	0	9.952	/	Pass
		711	50	0	9.895	/	Pass
	256QAM	704	50	0	9.909	/	Pass
		707.5	50	0	9.924	/	Pass
		711	50	0	9.958	/	Pass



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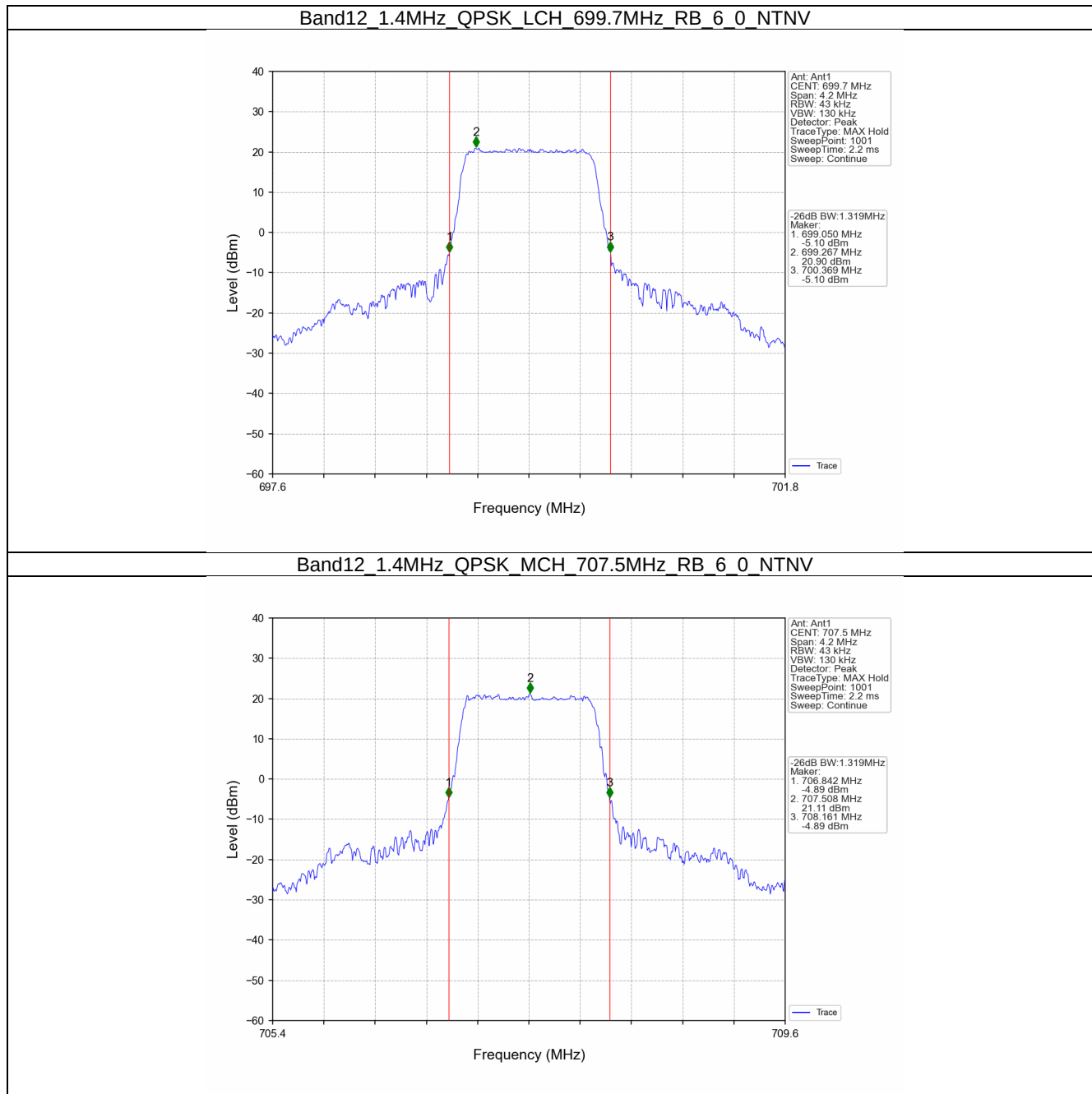
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3.2.2 Test Graph



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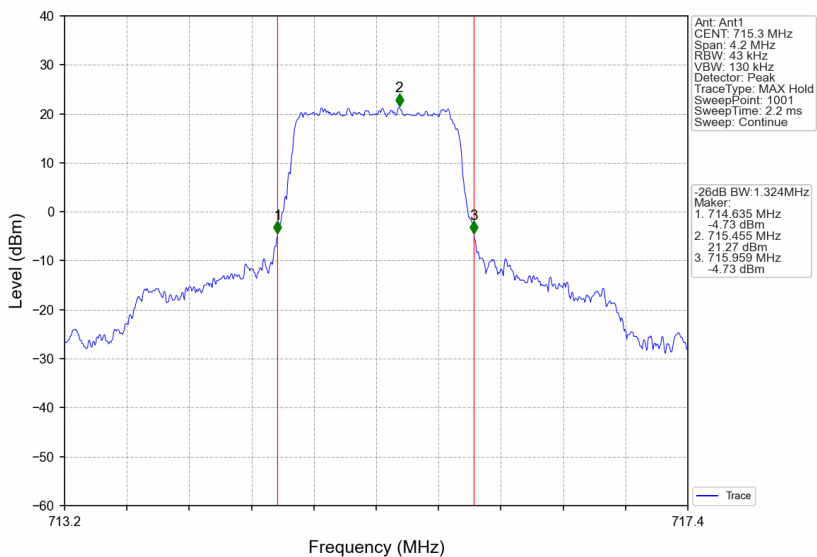
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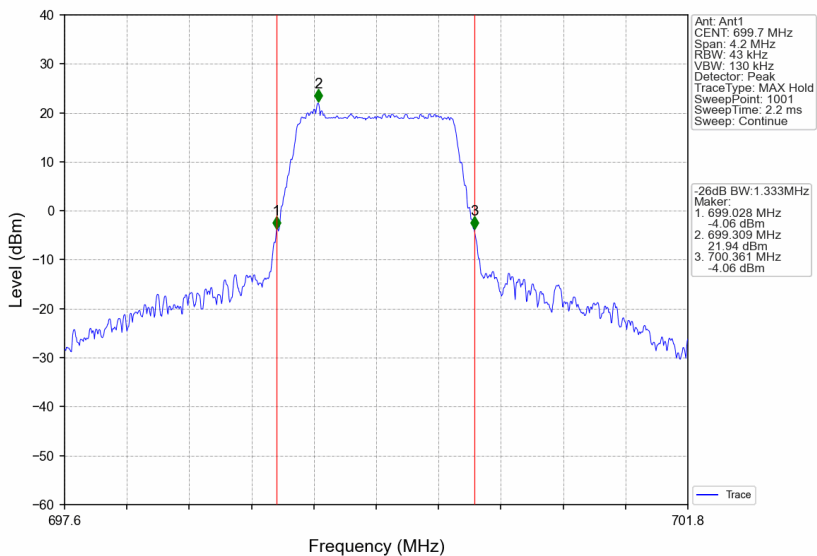
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Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



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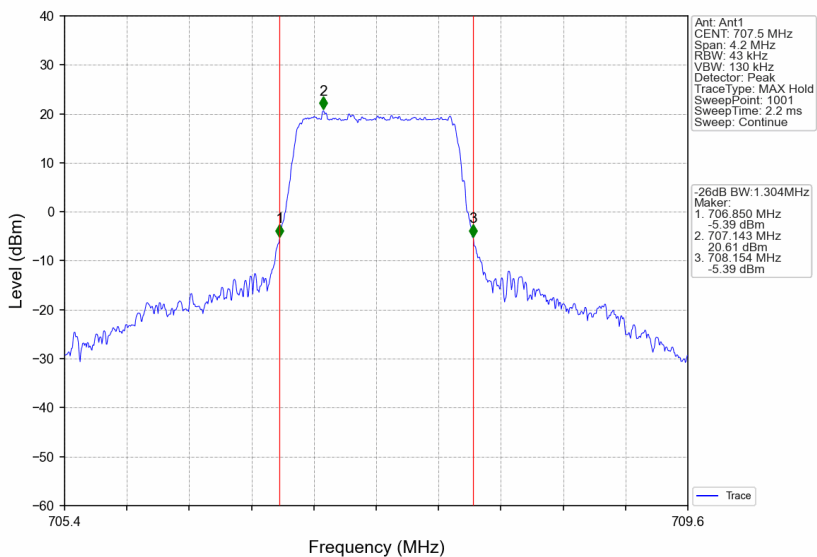
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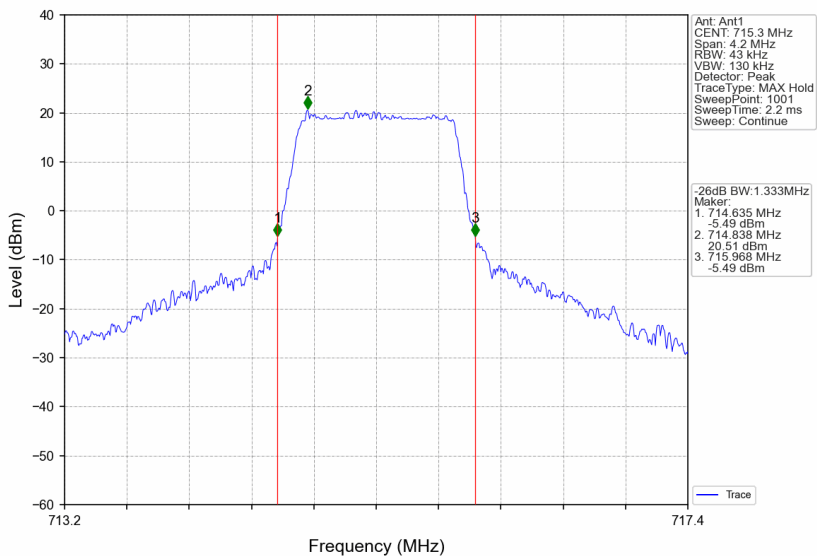
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Band12 1.4MHz 16QAM MCH 707.5MHz_RB_6_0 NTN



Band12 1.4MHz 16QAM HCH 715.3MHz_RB_6_0 NTN



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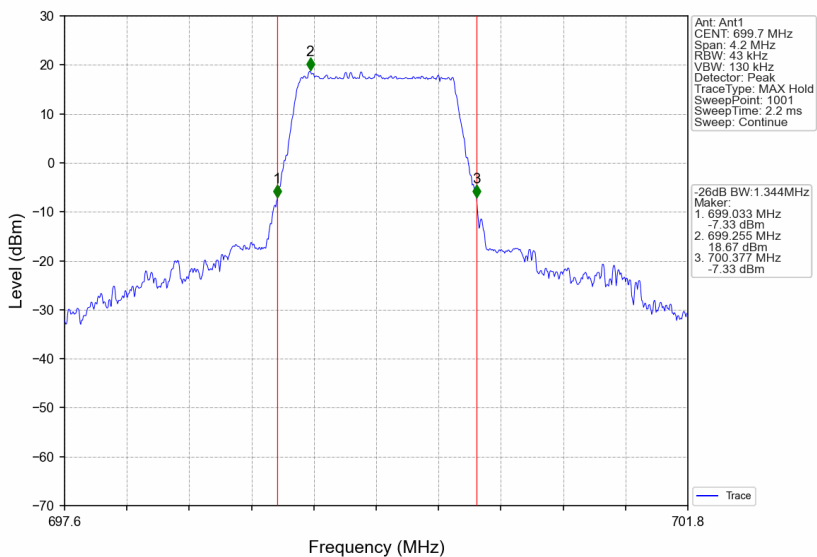
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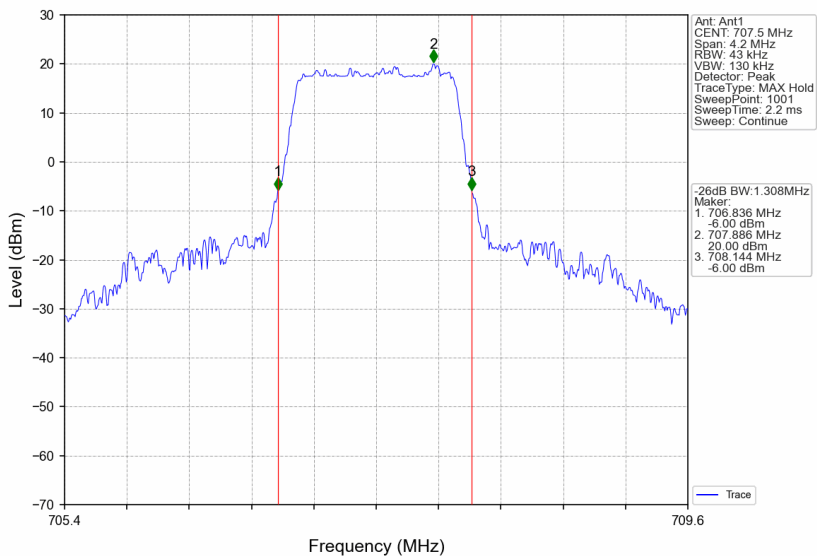
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Band12 1.4MHz 64QAM LCH 699.7MHz_RB_6_0 NTN



Band12 1.4MHz 64QAM MCH 707.5MHz_RB_6_0 NTN



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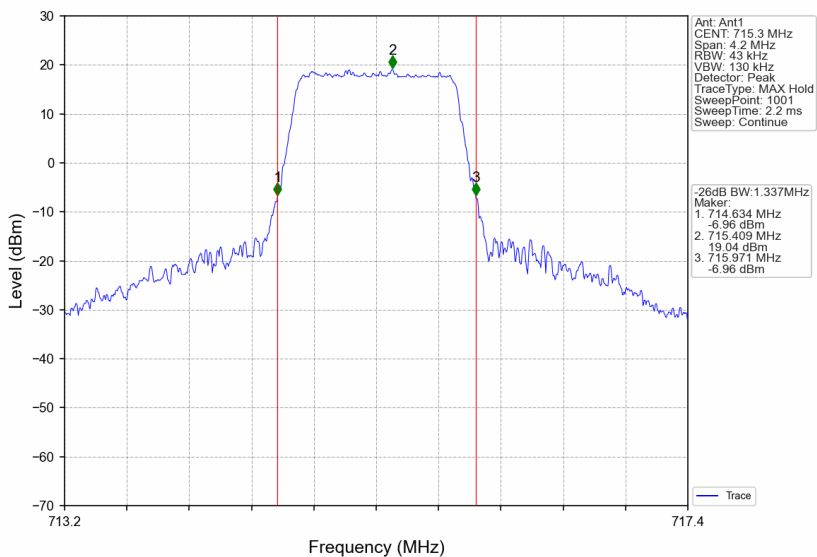
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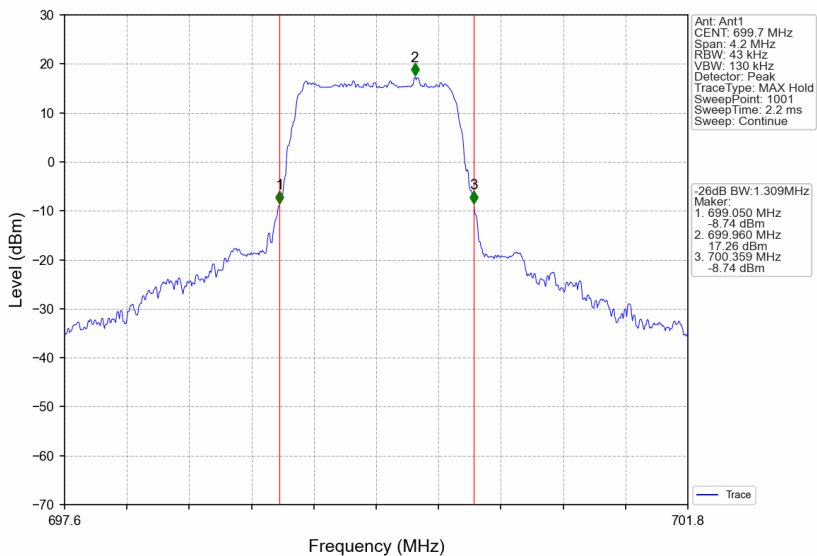
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Band12 1.4MHz 64QAM HCH 715.3MHz_RB_6_0 NTN



Band12 1.4MHz 256QAM LCH 699.7MHz_RB_6_0 NTN



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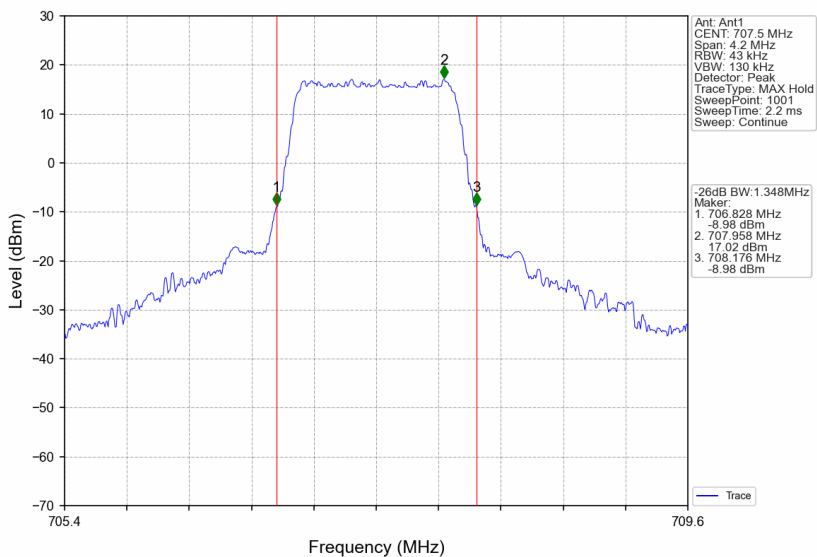
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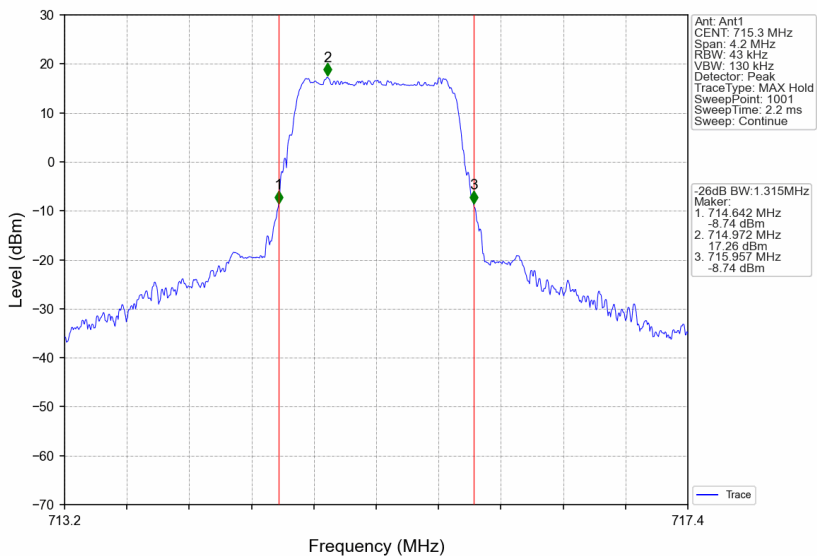
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Band12_1.4MHz_256QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_256QAM_HCH_715.3MHz_RB_6_0_NTNV



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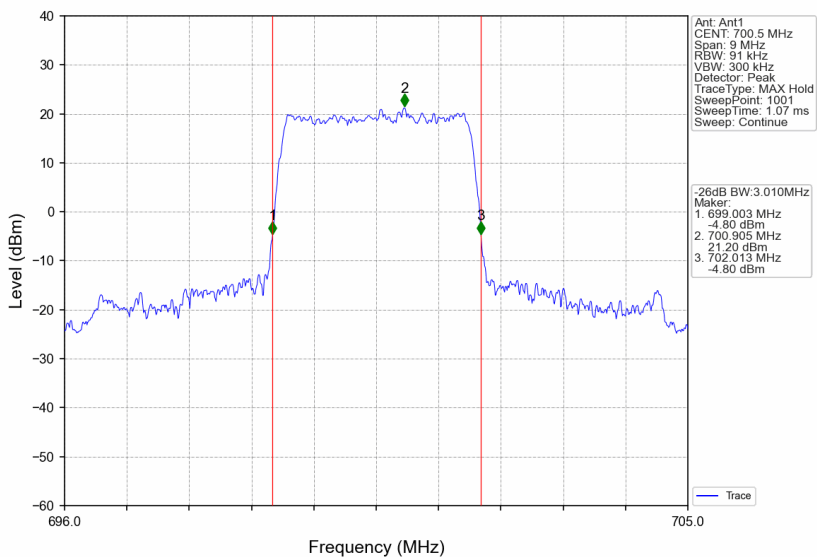
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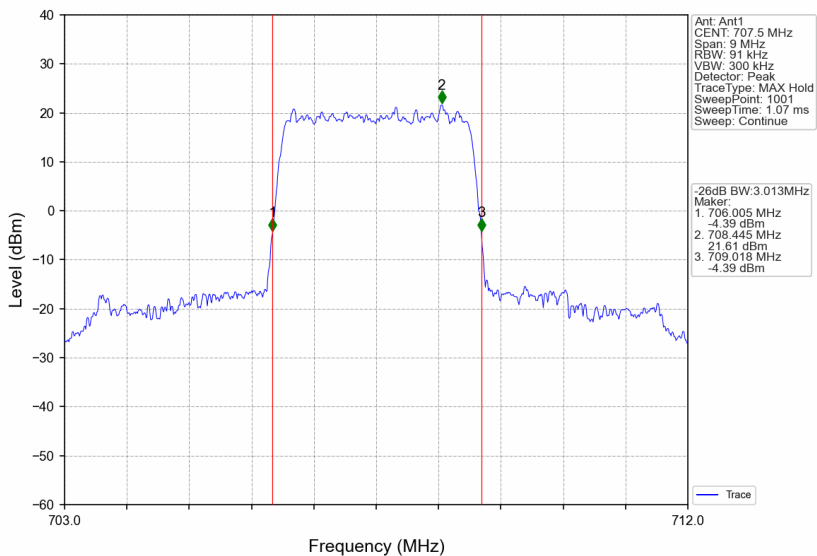
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Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



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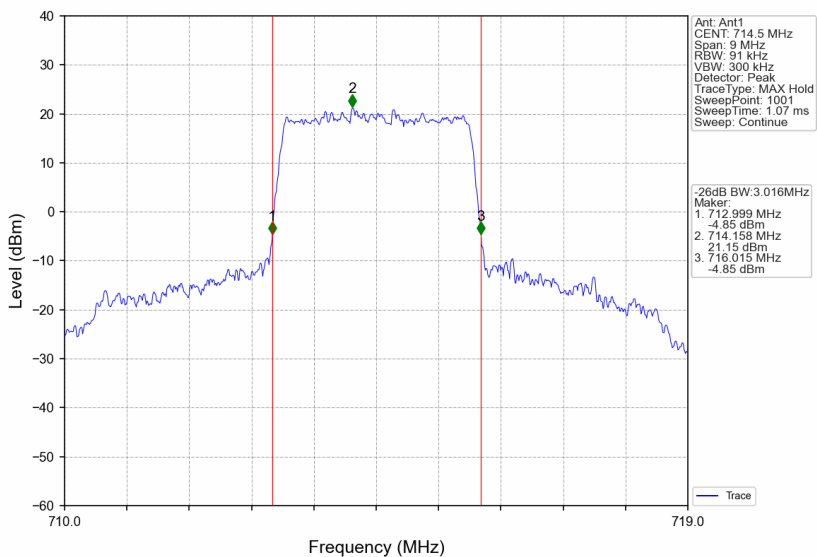
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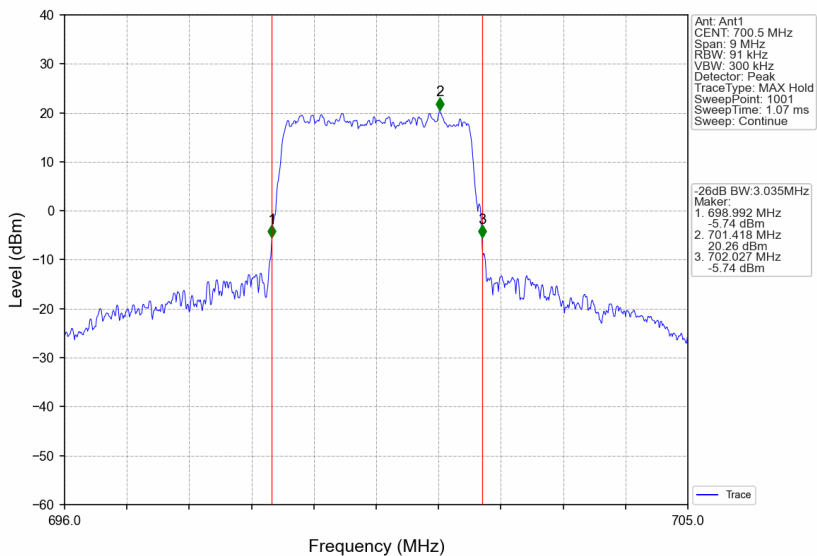
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Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



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