

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

Band: 12 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	23.57	-5.97	15.45	<=34.77	Pass
			2	23.63	-5.97	15.51	<=34.77	Pass
			5	23.50	-5.97	15.38	<=34.77	Pass
		3	0	23.53	-5.97	15.41	<=34.77	Pass
			2	23.58	-5.97	15.46	<=34.77	Pass
			3	23.55	-5.97	15.43	<=34.77	Pass
		6	0	22.54	-5.97	14.42	<=34.77	Pass
	707.5	1	0	23.60	-5.97	15.48	<=34.77	Pass
			2	23.66	-5.97	15.54	<=34.77	Pass
			5	23.61	-5.97	15.49	<=34.77	Pass
		3	0	23.59	-5.97	15.47	<=34.77	Pass
			2	23.64	-5.97	15.52	<=34.77	Pass
			3	23.55	-5.97	15.43	<=34.77	Pass
		6	0	22.53	-5.97	14.41	<=34.77	Pass
	715.3	1	0	23.62	-5.97	15.50	<=34.77	Pass
			2	23.61	-5.97	15.49	<=34.77	Pass
			5	23.59	-5.97	15.47	<=34.77	Pass
		3	0	23.56	-5.97	15.44	<=34.77	Pass
			2	23.58	-5.97	15.46	<=34.77	Pass
			3	23.59	-5.97	15.47	<=34.77	Pass
		6	0	22.61	-5.97	14.49	<=34.77	Pass
16QAM	699.7	1	0	22.78	-5.97	14.66	<=34.77	Pass
			2	22.82	-5.97	14.70	<=34.77	Pass
			5	22.70	-5.97	14.58	<=34.77	Pass
		3	0	22.62	-5.97	14.50	<=34.77	Pass
			2	22.62	-5.97	14.50	<=34.77	Pass
			3	22.58	-5.97	14.46	<=34.77	Pass
		6	0	21.57	-5.97	13.45	<=34.77	Pass
	707.5	1	0	22.62	-5.97	14.50	<=34.77	Pass
			2	22.78	-5.97	14.66	<=34.77	Pass
			5	22.76	-5.97	14.64	<=34.77	Pass
		3	0	22.61	-5.97	14.49	<=34.77	Pass
			2	22.60	-5.97	14.48	<=34.77	Pass
			3	22.67	-5.97	14.55	<=34.77	Pass
		6	0	21.55	-5.97	13.43	<=34.77	Pass
	715.3	1	0	22.72	-5.97	14.60	<=34.77	Pass
			2	22.76	-5.97	14.64	<=34.77	Pass
			5	22.72	-5.97	14.60	<=34.77	Pass
		3	0	22.64	-5.97	14.52	<=34.77	Pass
			2	22.64	-5.97	14.52	<=34.77	Pass
			3	22.66	-5.97	14.54	<=34.77	Pass
		6	0	21.57	-5.97	13.45	<=34.77	Pass
64QAM	699.7	1	0	21.73	-5.97	13.61	<=34.77	Pass
			2	21.73	-5.97	13.61	<=34.77	Pass
			5	21.73	-5.97	13.61	<=34.77	Pass
		3	0	21.61	-5.97	13.49	<=34.77	Pass
			2	21.57	-5.97	13.45	<=34.77	Pass
			3	21.62	-5.97	13.50	<=34.77	Pass
		6	0	20.57	-5.97	12.45	<=34.77	Pass

	707.5	1	0	21.84	-5.97	13.72	<=34.77	Pass
			2	21.81	-5.97	13.69	<=34.77	Pass
			5	21.71	-5.97	13.59	<=34.77	Pass
		3	0	21.64	-5.97	13.52	<=34.77	Pass
			2	21.67	-5.97	13.55	<=34.77	Pass
			3	21.65	-5.97	13.53	<=34.77	Pass
	715.3	6	0	20.56	-5.97	12.44	<=34.77	Pass
			0	21.77	-5.97	13.65	<=34.77	Pass
			2	21.83	-5.97	13.71	<=34.77	Pass
		1	5	21.68	-5.97	13.56	<=34.77	Pass
			0	21.65	-5.97	13.53	<=34.77	Pass
			2	21.71	-5.97	13.59	<=34.77	Pass
		3	3	21.65	-5.97	13.53	<=34.77	Pass
			0	20.60	-5.97	12.48	<=34.77	Pass
			0	20.60	-5.97	12.48	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	23.57	-5.97	15.45	<=34.77	Pass
			7	23.62	-5.97	15.50	<=34.77	Pass
			14	23.50	-5.97	15.38	<=34.77	Pass
		8	0	22.49	-5.97	14.37	<=34.77	Pass
			4	22.60	-5.97	14.48	<=34.77	Pass
			7	22.59	-5.97	14.47	<=34.77	Pass
		15	0	22.55	-5.97	14.43	<=34.77	Pass
	707.5	1	0	23.63	-5.97	15.51	<=34.77	Pass
			7	23.72	-5.97	15.60	<=34.77	Pass
			14	23.57	-5.97	15.45	<=34.77	Pass
		8	0	22.58	-5.97	14.46	<=34.77	Pass
			4	22.61	-5.97	14.49	<=34.77	Pass
			7	22.64	-5.97	14.52	<=34.77	Pass
		15	0	22.56	-5.97	14.44	<=34.77	Pass
	714.5	1	0	23.50	-5.97	15.38	<=34.77	Pass
			7	23.64	-5.97	15.52	<=34.77	Pass
			14	23.49	-5.97	15.37	<=34.77	Pass
		8	0	22.52	-5.97	14.40	<=34.77	Pass
			4	22.62	-5.97	14.50	<=34.77	Pass
			7	22.61	-5.97	14.49	<=34.77	Pass
		15	0	22.60	-5.97	14.48	<=34.77	Pass
16QAM	700.5	1	0	22.67	-5.97	14.55	<=34.77	Pass
			7	22.75	-5.97	14.63	<=34.77	Pass
			14	22.72	-5.97	14.60	<=34.77	Pass
		8	0	21.57	-5.97	13.45	<=34.77	Pass
			4	21.64	-5.97	13.52	<=34.77	Pass
			7	21.60	-5.97	13.48	<=34.77	Pass
		15	0	21.61	-5.97	13.49	<=34.77	Pass
	707.5	1	0	22.70	-5.97	14.58	<=34.77	Pass
			7	22.90	-5.97	14.78	<=34.77	Pass
			14	22.80	-5.97	14.68	<=34.77	Pass
		8	0	21.59	-5.97	13.47	<=34.77	Pass
			4	21.64	-5.97	13.52	<=34.77	Pass
			7	21.61	-5.97	13.49	<=34.77	Pass
		15	0	21.59	-5.97	13.47	<=34.77	Pass
	714.5	1	0	22.77	-5.97	14.65	<=34.77	Pass

			7	22.86	-5.97	14.74	<=34.77	Pass	
			14	22.69	-5.97	14.57	<=34.77	Pass	
		8	0	21.59	-5.97	13.47	<=34.77	Pass	
			4	21.68	-5.97	13.56	<=34.77	Pass	
			7	21.63	-5.97	13.51	<=34.77	Pass	
		15	0	21.64	-5.97	13.52	<=34.77	Pass	
64QAM	700.5	1	0	21.79	-5.97	13.67	<=34.77	Pass	
			7	21.74	-5.97	13.62	<=34.77	Pass	
			14	21.62	-5.97	13.50	<=34.77	Pass	
		8	0	20.48	-5.97	12.36	<=34.77	Pass	
			4	20.66	-5.97	12.54	<=34.77	Pass	
			7	20.62	-5.97	12.50	<=34.77	Pass	
	15	0	20.62	-5.97	12.50	<=34.77	Pass		
	707.5	1	0	21.78	-5.97	13.66	<=34.77	Pass	
			7	21.87	-5.97	13.75	<=34.77	Pass	
			14	21.77	-5.97	13.65	<=34.77	Pass	
		8	0	20.58	-5.97	12.46	<=34.77	Pass	
			4	20.60	-5.97	12.48	<=34.77	Pass	
			7	20.72	-5.97	12.60	<=34.77	Pass	
	15	0	20.60	-5.97	12.48	<=34.77	Pass		
	714.5	1	0	21.68	-5.97	13.56	<=34.77	Pass	
			7	21.79	-5.97	13.67	<=34.77	Pass	
			14	21.64	-5.97	13.52	<=34.77	Pass	
		8	0	20.57	-5.97	12.45	<=34.77	Pass	
			4	20.67	-5.97	12.55	<=34.77	Pass	
			7	20.66	-5.97	12.54	<=34.77	Pass	
	15	0	20.63	-5.97	12.51	<=34.77	Pass		
	Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	23.58	-5.97	15.46	<=34.77	Pass
			13	23.67	-5.97	15.55	<=34.77	Pass
			24	23.57	-5.97	15.45	<=34.77	Pass
		12	0	22.57	-5.97	14.45	<=34.77	Pass
			6	22.66	-5.97	14.54	<=34.77	Pass
			13	22.61	-5.97	14.49	<=34.77	Pass
		25	0	22.59	-5.97	14.47	<=34.77	Pass
	707.5	1	0	23.65	-5.97	15.53	<=34.77	Pass
			13	23.68	-5.97	15.56	<=34.77	Pass
			24	23.59	-5.97	15.47	<=34.77	Pass
		12	0	22.59	-5.97	14.47	<=34.77	Pass
			6	22.60	-5.97	14.48	<=34.77	Pass
			13	22.60	-5.97	14.48	<=34.77	Pass
		25	0	22.57	-5.97	14.45	<=34.77	Pass
	713.5	1	0	23.66	-5.97	15.54	<=34.77	Pass
			13	23.77	-5.97	15.65	<=34.77	Pass
			24	23.61	-5.97	15.49	<=34.77	Pass
		12	0	22.56	-5.97	14.44	<=34.77	Pass
			6	22.55	-5.97	14.43	<=34.77	Pass
			13	22.63	-5.97	14.51	<=34.77	Pass
		25	0	22.56	-5.97	14.44	<=34.77	Pass
16QAM	701.5	1	0	22.66	-5.97	14.54	<=34.77	Pass
			13	22.73	-5.97	14.61	<=34.77	Pass

		12	24	22.73	-5.97	14.61	<=34.77	Pass	
			0	21.55	-5.97	13.43	<=34.77	Pass	
			6	21.63	-5.97	13.51	<=34.77	Pass	
			13	21.58	-5.97	13.46	<=34.77	Pass	
		25	0	21.64	-5.97	13.52	<=34.77	Pass	
	707.5	1	0	22.72	-5.97	14.60	<=34.77	Pass	
			13	22.82	-5.97	14.70	<=34.77	Pass	
			24	22.70	-5.97	14.58	<=34.77	Pass	
		12	0	21.62	-5.97	13.50	<=34.77	Pass	
			6	21.65	-5.97	13.53	<=34.77	Pass	
			13	21.65	-5.97	13.53	<=34.77	Pass	
		25	0	21.61	-5.97	13.49	<=34.77	Pass	
		713.5	1	0	22.82	-5.97	14.70	<=34.77	Pass
				13	22.86	-5.97	14.74	<=34.77	Pass
	24			22.82	-5.97	14.70	<=34.77	Pass	
	12		0	21.57	-5.97	13.45	<=34.77	Pass	
			6	21.57	-5.97	13.45	<=34.77	Pass	
			13	21.72	-5.97	13.60	<=34.77	Pass	
	25		0	21.56	-5.97	13.44	<=34.77	Pass	
	64QAM	701.5	1	0	21.73	-5.97	13.61	<=34.77	Pass
				13	21.78	-5.97	13.66	<=34.77	Pass
				24	21.69	-5.97	13.57	<=34.77	Pass
			12	0	20.53	-5.97	12.41	<=34.77	Pass
				6	20.67	-5.97	12.55	<=34.77	Pass
13				20.59	-5.97	12.47	<=34.77	Pass	
25			0	20.63	-5.97	12.51	<=34.77	Pass	
707.5		1	0	21.80	-5.97	13.68	<=34.77	Pass	
			13	21.86	-5.97	13.74	<=34.77	Pass	
			24	21.78	-5.97	13.66	<=34.77	Pass	
		12	0	20.59	-5.97	12.47	<=34.77	Pass	
			6	20.63	-5.97	12.51	<=34.77	Pass	
			13	20.66	-5.97	12.54	<=34.77	Pass	
25		0	20.60	-5.97	12.48	<=34.77	Pass		
713.5		1	0	21.59	-5.97	13.47	<=34.77	Pass	
			13	21.80	-5.97	13.68	<=34.77	Pass	
			24	21.61	-5.97	13.49	<=34.77	Pass	
		12	0	20.58	-5.97	12.46	<=34.77	Pass	
			6	20.59	-5.97	12.47	<=34.77	Pass	
			13	20.61	-5.97	12.49	<=34.77	Pass	
		25	0	20.56	-5.97	12.44	<=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	23.60	-5.97	15.48	<=34.77	Pass
			25	23.62	-5.97	15.50	<=34.77	Pass
			49	23.54	-5.97	15.42	<=34.77	Pass
		25	0	22.58	-5.97	14.46	<=34.77	Pass
			13	22.65	-5.97	14.53	<=34.77	Pass
			25	22.56	-5.97	14.44	<=34.77	Pass
		50	0	22.63	-5.97	14.51	<=34.77	Pass
	707.5	1	0	23.63	-5.97	15.51	<=34.77	Pass
			25	23.64	-5.97	15.52	<=34.77	Pass
			49	23.59	-5.97	15.47	<=34.77	Pass

		25	0	22.61	-5.97	14.49	<=34.77	Pass			
			13	22.63	-5.97	14.51	<=34.77	Pass			
			25	22.63	-5.97	14.51	<=34.77	Pass			
		50	0	22.61	-5.97	14.49	<=34.77	Pass			
			711	1	0	23.67	-5.97	15.55	<=34.77	Pass	
					25	23.69	-5.97	15.57	<=34.77	Pass	
		49			23.56	-5.97	15.44	<=34.77	Pass		
		25		0	22.61	-5.97	14.49	<=34.77	Pass		
				13	22.59	-5.97	14.47	<=34.77	Pass		
	25			22.60	-5.97	14.48	<=34.77	Pass			
	50	0	22.61	-5.97	14.49	<=34.77	Pass				
	16QAM	704	1	0	22.89	-5.97	14.77	<=34.77	Pass		
25				22.72	-5.97	14.60	<=34.77	Pass			
49				22.70	-5.97	14.58	<=34.77	Pass			
25			0	21.59	-5.97	13.47	<=34.77	Pass			
			13	21.68	-5.97	13.56	<=34.77	Pass			
			25	21.60	-5.97	13.48	<=34.77	Pass			
			50	0	21.62	-5.97	13.50	<=34.77	Pass		
			707.5	1	0	22.81	-5.97	14.69	<=34.77	Pass	
					25	22.79	-5.97	14.67	<=34.77	Pass	
49		22.81			-5.97	14.69	<=34.77	Pass			
25		0		21.64	-5.97	13.52	<=34.77	Pass			
		13		21.63	-5.97	13.51	<=34.77	Pass			
		25		21.65	-5.97	13.53	<=34.77	Pass			
		50		0	21.59	-5.97	13.47	<=34.77	Pass		
		711		1	0	22.78	-5.97	14.66	<=34.77	Pass	
					25	22.67	-5.97	14.55	<=34.77	Pass	
49			22.66		-5.97	14.54	<=34.77	Pass			
25			0	21.64	-5.97	13.52	<=34.77	Pass			
			13	21.61	-5.97	13.49	<=34.77	Pass			
			25	21.64	-5.97	13.52	<=34.77	Pass			
			50	0	21.56	-5.97	13.44	<=34.77	Pass		
			64QAM	704	1	0	21.73	-5.97	13.61	<=34.77	Pass
						25	21.76	-5.97	13.64	<=34.77	Pass
49		21.67				-5.97	13.55	<=34.77	Pass		
25		0			20.57	-5.97	12.45	<=34.77	Pass		
		13			20.67	-5.97	12.55	<=34.77	Pass		
		25			20.57	-5.97	12.45	<=34.77	Pass		
	50	0			20.64	-5.97	12.52	<=34.77	Pass		
	707.5	1			0	21.81	-5.97	13.69	<=34.77	Pass	
					25	21.80	-5.97	13.68	<=34.77	Pass	
49				21.71	-5.97	13.59	<=34.77	Pass			
25		0		20.64	-5.97	12.52	<=34.77	Pass			
		13		20.61	-5.97	12.49	<=34.77	Pass			
		25		20.64	-5.97	12.52	<=34.77	Pass			
	50	0		20.63	-5.97	12.51	<=34.77	Pass			
	711	1		0	21.94	-5.97	13.82	<=34.77	Pass		
			25	21.86	-5.97	13.74	<=34.77	Pass			
49			21.84	-5.97	13.72	<=34.77	Pass				
25		0	20.60	-5.97	12.48	<=34.77	Pass				
		13	20.60	-5.97	12.48	<=34.77	Pass				
		25	20.63	-5.97	12.51	<=34.77	Pass				
		50	0	20.57	-5.97	12.45	<=34.77	Pass			
		Note1: ERP=Conducted Power+Antenna Gain-2.15									

2. Frequency Stability

2.1 Test Result

2.1.1 B12_1.4MHz

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	-19.193	-0.0274	-2.5 to 2.5	Pass
					3.92	-18.637	-0.0266	-2.5 to 2.5	Pass
					4.53	-11.834	-0.0169	-2.5 to 2.5	Pass
				-30	3.92	-6.140	-0.0088	-2.5 to 2.5	Pass
				-20	3.92	-2.472	-0.0035	-2.5 to 2.5	Pass
				-10	3.92	-2.001	-0.0029	-2.5 to 2.5	Pass
				0	3.92	-0.331	-0.0005	-2.5 to 2.5	Pass
				10	3.92	0.219	0.0003	-2.5 to 2.5	Pass
				30	3.92	-1.160	-0.0017	-2.5 to 2.5	Pass
				40	3.92	-0.590	-0.0008	-2.5 to 2.5	Pass
				50	3.92	-0.238	-0.0003	-2.5 to 2.5	Pass
	707.5	6	0	20	3.6	13.912	0.0197	-2.5 to 2.5	Pass
					3.92	8.620	0.0122	-2.5 to 2.5	Pass
					4.53	3.858	0.0055	-2.5 to 2.5	Pass
				-30	3.92	2.082	0.0029	-2.5 to 2.5	Pass
				-20	3.92	0.508	0.0007	-2.5 to 2.5	Pass
				-10	3.92	0.586	0.0008	-2.5 to 2.5	Pass
				0	3.92	1.353	0.0019	-2.5 to 2.5	Pass
				10	3.92	0.511	0.0007	-2.5 to 2.5	Pass
				30	3.92	-0.703	-0.0010	-2.5 to 2.5	Pass
				40	3.92	-0.234	-0.0003	-2.5 to 2.5	Pass
				50	3.92	-1.522	-0.0022	-2.5 to 2.5	Pass
	715.3	6	0	20	3.6	12.315	0.0172	-2.5 to 2.5	Pass
					3.92	8.303	0.0116	-2.5 to 2.5	Pass
					4.53	3.388	0.0047	-2.5 to 2.5	Pass
				-30	3.92	0.919	0.0013	-2.5 to 2.5	Pass
				-20	3.92	0.985	0.0014	-2.5 to 2.5	Pass
				-10	3.92	0.044	0.0001	-2.5 to 2.5	Pass
				0	3.92	-0.287	-0.0004	-2.5 to 2.5	Pass
				10	3.92	1.233	0.0017	-2.5 to 2.5	Pass
				30	3.92	-0.455	-0.0006	-2.5 to 2.5	Pass
				40	3.92	-1.412	-0.0020	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.6	-0.754	-0.0011	-2.5 to 2.5	Pass
					3.92	0.357	0.0005	-2.5 to 2.5	Pass
					4.53	0.253	0.0004	-2.5 to 2.5	Pass
				-30	3.92	0.649	0.0009	-2.5 to 2.5	Pass
				-20	3.92	0.092	0.0001	-2.5 to 2.5	Pass
				-10	3.92	-0.495	-0.0007	-2.5 to 2.5	Pass
				0	3.92	-0.477	-0.0007	-2.5 to 2.5	Pass
				10	3.92	-0.699	-0.0010	-2.5 to 2.5	Pass
				30	3.92	0.002	0.0000	-2.5 to 2.5	Pass
				40	3.92	0.155	0.0002	-2.5 to 2.5	Pass
				50	3.92	-0.384	-0.0005	-2.5 to 2.5	Pass
	707.5	6	0	20	3.6	-0.928	-0.0013	-2.5 to 2.5	Pass
					3.92	0.015	0.0000	-2.5 to 2.5	Pass
					4.53	0.505	0.0007	-2.5 to 2.5	Pass
				-30	3.92	-0.107	-0.0002	-2.5 to 2.5	Pass
				-20	3.92	0.340	0.0005	-2.5 to 2.5	Pass

	715.3	6	0	-10	3.92	-0.337	-0.0005	-2.5 to 2.5	Pass
				0	3.92	-0.042	-0.0001	-2.5 to 2.5	Pass
				10	3.92	0.269	0.0004	-2.5 to 2.5	Pass
				30	3.92	-0.086	-0.0001	-2.5 to 2.5	Pass
				40	3.92	-0.506	-0.0007	-2.5 to 2.5	Pass
				50	3.92	-0.168	-0.0002	-2.5 to 2.5	Pass
				20	3.6	-0.001	0.0000	-2.5 to 2.5	Pass
					3.92	0.003	0.0000	-2.5 to 2.5	Pass
					4.53	0.270	0.0004	-2.5 to 2.5	Pass
				-30	3.92	-0.026	0.0000	-2.5 to 2.5	Pass
64QAM	699.7	6	0	-20	3.92	-0.308	-0.0004	-2.5 to 2.5	Pass
				-10	3.92	-1.090	-0.0015	-2.5 to 2.5	Pass
				0	3.92	0.104	0.0001	-2.5 to 2.5	Pass
				10	3.92	0.492	0.0007	-2.5 to 2.5	Pass
				30	3.92	0.116	0.0002	-2.5 to 2.5	Pass
				40	3.92	-0.381	-0.0005	-2.5 to 2.5	Pass
				50	3.92	-0.198	-0.0003	-2.5 to 2.5	Pass
				20	3.6	-0.220	-0.0003	-2.5 to 2.5	Pass
					3.92	0.360	0.0005	-2.5 to 2.5	Pass
					4.53	0.379	0.0005	-2.5 to 2.5	Pass
	707.5	6	0	-30	3.92	-0.106	-0.0002	-2.5 to 2.5	Pass
				-20	3.92	-1.052	-0.0015	-2.5 to 2.5	Pass
				-10	3.92	-0.139	-0.0002	-2.5 to 2.5	Pass
				0	3.92	-0.559	-0.0008	-2.5 to 2.5	Pass
				10	3.92	-0.415	-0.0006	-2.5 to 2.5	Pass
				30	3.92	-0.848	-0.0012	-2.5 to 2.5	Pass
				40	3.92	-0.594	-0.0008	-2.5 to 2.5	Pass
				50	3.92	1.711	0.0024	-2.5 to 2.5	Pass
				20	3.6	0.285	0.0004	-2.5 to 2.5	Pass
					3.92	0.128	0.0002	-2.5 to 2.5	Pass
					4.53	1.007	0.0014	-2.5 to 2.5	Pass
	715.3	6	0	-30	3.92	0.654	0.0009	-2.5 to 2.5	Pass
				-20	3.92	0.578	0.0008	-2.5 to 2.5	Pass
				-10	3.92	-0.250	-0.0004	-2.5 to 2.5	Pass
				0	3.92	-0.007	0.0000	-2.5 to 2.5	Pass
				10	3.92	0.099	0.0001	-2.5 to 2.5	Pass
				30	3.92	-0.240	-0.0003	-2.5 to 2.5	Pass
				40	3.92	0.064	0.0001	-2.5 to 2.5	Pass
				50	3.92	0.266	0.0004	-2.5 to 2.5	Pass
				20	3.6	-0.750	-0.0010	-2.5 to 2.5	Pass
					3.92	-0.370	-0.0005	-2.5 to 2.5	Pass
					4.53	0.696	0.0010	-2.5 to 2.5	Pass
				-30	3.92	0.080	0.0001	-2.5 to 2.5	Pass
				-20	3.92	0.196	0.0003	-2.5 to 2.5	Pass
				-10	3.92	-0.117	-0.0002	-2.5 to 2.5	Pass
				0	3.92	-1.285	-0.0018	-2.5 to 2.5	Pass
				10	3.92	-0.749	-0.0010	-2.5 to 2.5	Pass
				30	3.92	-0.834	-0.0012	-2.5 to 2.5	Pass
				40	3.92	-0.701	-0.0010	-2.5 to 2.5	Pass
				50	3.92	-1.022	-0.0014	-2.5 to 2.5	Pass

2.1.2 B12_3MHz

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	0.589	0.0008	-2.5 to 2.5	Pass

					3.92	-0.198	-0.0003	-2.5 to 2.5	Pass
					4.53	0.295	0.0004	-2.5 to 2.5	Pass
				-30	3.92	-0.113	-0.0002	-2.5 to 2.5	Pass
				-20	3.92	0.028	0.0000	-2.5 to 2.5	Pass
				-10	3.92	0.384	0.0005	-2.5 to 2.5	Pass
				0	3.92	-0.886	-0.0013	-2.5 to 2.5	Pass
				10	3.92	-0.568	-0.0008	-2.5 to 2.5	Pass
				30	3.92	-0.603	-0.0009	-2.5 to 2.5	Pass
				40	3.92	-0.152	-0.0002	-2.5 to 2.5	Pass
				50	3.92	0.241	0.0003	-2.5 to 2.5	Pass
	707.5	15	0	20	3.6	0.689	0.0010	-2.5 to 2.5	Pass
					3.92	-0.663	-0.0009	-2.5 to 2.5	Pass
					4.53	0.458	0.0006	-2.5 to 2.5	Pass
				-30	3.92	0.659	0.0009	-2.5 to 2.5	Pass
				-20	3.92	0.593	0.0008	-2.5 to 2.5	Pass
				-10	3.92	0.454	0.0006	-2.5 to 2.5	Pass
				0	3.92	0.373	0.0005	-2.5 to 2.5	Pass
				10	3.92	-0.652	-0.0009	-2.5 to 2.5	Pass
				30	3.92	0.961	0.0014	-2.5 to 2.5	Pass
				40	3.92	0.201	0.0003	-2.5 to 2.5	Pass
				50	3.92	-0.031	0.0000	-2.5 to 2.5	Pass
	714.5	15	0	20	3.6	-0.831	-0.0012	-2.5 to 2.5	Pass
					3.92	-0.560	-0.0008	-2.5 to 2.5	Pass
					4.53	-1.397	-0.0020	-2.5 to 2.5	Pass
				-30	3.92	0.156	0.0002	-2.5 to 2.5	Pass
				-20	3.92	-0.497	-0.0007	-2.5 to 2.5	Pass
				-10	3.92	-1.027	-0.0014	-2.5 to 2.5	Pass
				0	3.92	-0.013	0.0000	-2.5 to 2.5	Pass
				10	3.92	-0.148	-0.0002	-2.5 to 2.5	Pass
				30	3.92	-0.849	-0.0012	-2.5 to 2.5	Pass
				40	3.92	-1.532	-0.0021	-2.5 to 2.5	Pass
				50	3.92	-0.611	-0.0009	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.6	0.655	0.0009	-2.5 to 2.5	Pass
					3.92	0.064	0.0001	-2.5 to 2.5	Pass
					4.53	0.162	0.0002	-2.5 to 2.5	Pass
				-30	3.92	0.715	0.0010	-2.5 to 2.5	Pass
				-20	3.92	0.005	0.0000	-2.5 to 2.5	Pass
				-10	3.92	-0.207	-0.0003	-2.5 to 2.5	Pass
				0	3.92	0.465	0.0007	-2.5 to 2.5	Pass
				10	3.92	0.129	0.0002	-2.5 to 2.5	Pass
				30	3.92	0.197	0.0003	-2.5 to 2.5	Pass
				40	3.92	1.551	0.0022	-2.5 to 2.5	Pass
				50	3.92	0.888	0.0013	-2.5 to 2.5	Pass
	707.5	15	0	20	3.6	0.664	0.0009	-2.5 to 2.5	Pass
					3.92	0.071	0.0001	-2.5 to 2.5	Pass
					4.53	0.812	0.0011	-2.5 to 2.5	Pass
				-30	3.92	0.219	0.0003	-2.5 to 2.5	Pass
				-20	3.92	0.182	0.0003	-2.5 to 2.5	Pass
				-10	3.92	-0.402	-0.0006	-2.5 to 2.5	Pass
				0	3.92	-0.458	-0.0006	-2.5 to 2.5	Pass
				10	3.92	1.409	0.0020	-2.5 to 2.5	Pass
				30	3.92	0.896	0.0013	-2.5 to 2.5	Pass
				40	3.92	-0.462	-0.0007	-2.5 to 2.5	Pass
				50	3.92	-1.138	-0.0016	-2.5 to 2.5	Pass
	714.5	15	0	20	3.6	-1.549	-0.0022	-2.5 to 2.5	Pass
					3.92	0.056	0.0001	-2.5 to 2.5	Pass
					4.53	-0.265	-0.0004	-2.5 to 2.5	Pass
				-30	3.92	-1.061	-0.0015	-2.5 to 2.5	Pass
				-20	3.92	-0.053	-0.0001	-2.5 to 2.5	Pass

64QAM				-10	3.92	0.478	0.0007	-2.5 to 2.5	Pass
				0	3.92	-1.181	-0.0017	-2.5 to 2.5	Pass
				10	3.92	-0.982	-0.0014	-2.5 to 2.5	Pass
				30	3.92	-0.836	-0.0012	-2.5 to 2.5	Pass
				40	3.92	0.152	0.0002	-2.5 to 2.5	Pass
	700.5	15	0	50	3.92	-0.363	-0.0005	-2.5 to 2.5	Pass
				20	3.6	0.918	0.0013	-2.5 to 2.5	Pass
					3.92	1.312	0.0019	-2.5 to 2.5	Pass
					4.53	1.466	0.0021	-2.5 to 2.5	Pass
				-30	3.92	1.441	0.0021	-2.5 to 2.5	Pass
				-20	3.92	1.037	0.0015	-2.5 to 2.5	Pass
				-10	3.92	1.332	0.0019	-2.5 to 2.5	Pass
				0	3.92	1.455	0.0021	-2.5 to 2.5	Pass
				10	3.92	0.566	0.0008	-2.5 to 2.5	Pass
				30	3.92	1.485	0.0021	-2.5 to 2.5	Pass
	707.5	15	0	40	3.92	1.290	0.0018	-2.5 to 2.5	Pass
				50	3.92	0.466	0.0007	-2.5 to 2.5	Pass
				20	3.6	-0.378	-0.0005	-2.5 to 2.5	Pass
					3.92	-0.257	-0.0004	-2.5 to 2.5	Pass
					4.53	0.054	0.0001	-2.5 to 2.5	Pass
				-30	3.92	-1.437	-0.0020	-2.5 to 2.5	Pass
				-20	3.92	-1.379	-0.0019	-2.5 to 2.5	Pass
				-10	3.92	-0.747	-0.0011	-2.5 to 2.5	Pass
				0	3.92	-1.051	-0.0015	-2.5 to 2.5	Pass
				10	3.92	-1.372	-0.0019	-2.5 to 2.5	Pass
	714.5	15	0	30	3.92	-0.330	-0.0005	-2.5 to 2.5	Pass
				40	3.92	-1.316	-0.0019	-2.5 to 2.5	Pass
				50	3.92	0.000	0.0000	-2.5 to 2.5	Pass
				20	3.6	-1.150	-0.0016	-2.5 to 2.5	Pass
					3.92	-0.832	-0.0012	-2.5 to 2.5	Pass
					4.53	-0.707	-0.0010	-2.5 to 2.5	Pass
				-30	3.92	-0.018	0.0000	-2.5 to 2.5	Pass
				-20	3.92	-1.492	-0.0021	-2.5 to 2.5	Pass
				-10	3.92	-0.100	-0.0001	-2.5 to 2.5	Pass
				0	3.92	-0.655	-0.0009	-2.5 to 2.5	Pass
				10	3.92	-0.294	-0.0004	-2.5 to 2.5	Pass
				30	3.92	-0.079	-0.0001	-2.5 to 2.5	Pass
				40	3.92	-0.225	-0.0003	-2.5 to 2.5	Pass
				50	3.92	-0.308	-0.0004	-2.5 to 2.5	Pass

2.1.3 B12_5MHz

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	0.222	0.0003	-2.5 to 2.5	Pass
					3.92	-1.098	-0.0016	-2.5 to 2.5	Pass
					4.53	-0.076	-0.0001	-2.5 to 2.5	Pass
				-30	3.92	0.464	0.0007	-2.5 to 2.5	Pass
				-20	3.92	-0.724	-0.0010	-2.5 to 2.5	Pass
				-10	3.92	-0.143	-0.0002	-2.5 to 2.5	Pass
				0	3.92	0.468	0.0007	-2.5 to 2.5	Pass
				10	3.92	-0.032	0.0000	-2.5 to 2.5	Pass
				30	3.92	0.311	0.0004	-2.5 to 2.5	Pass
				40	3.92	0.612	0.0009	-2.5 to 2.5	Pass
				50	3.92	-0.327	-0.0005	-2.5 to 2.5	Pass
	707.5	25	0	20	3.6	0.915	0.0013	-2.5 to 2.5	Pass

					3.92	1.728	0.0024	-2.5 to 2.5	Pass
					4.53	0.876	0.0012	-2.5 to 2.5	Pass
				-30	3.92	0.310	0.0004	-2.5 to 2.5	Pass
				-20	3.92	0.533	0.0008	-2.5 to 2.5	Pass
				-10	3.92	-0.009	0.0000	-2.5 to 2.5	Pass
				0	3.92	0.374	0.0005	-2.5 to 2.5	Pass
				10	3.92	0.840	0.0012	-2.5 to 2.5	Pass
				30	3.92	-0.738	-0.0010	-2.5 to 2.5	Pass
				40	3.92	-0.240	-0.0003	-2.5 to 2.5	Pass
				50	3.92	0.236	0.0003	-2.5 to 2.5	Pass
	713.5	25	0	20	3.6	2.010	0.0028	-2.5 to 2.5	Pass
					3.92	2.657	0.0037	-2.5 to 2.5	Pass
					4.53	2.516	0.0035	-2.5 to 2.5	Pass
				-30	3.92	1.729	0.0024	-2.5 to 2.5	Pass
				-20	3.92	0.901	0.0013	-2.5 to 2.5	Pass
				-10	3.92	0.129	0.0002	-2.5 to 2.5	Pass
				0	3.92	0.094	0.0001	-2.5 to 2.5	Pass
				10	3.92	1.376	0.0019	-2.5 to 2.5	Pass
				30	3.92	-0.324	-0.0005	-2.5 to 2.5	Pass
				40	3.92	0.226	0.0003	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.6	0.033	0.0000	-2.5 to 2.5	Pass
					3.92	-0.001	0.0000	-2.5 to 2.5	Pass
					4.53	-0.032	0.0000	-2.5 to 2.5	Pass
				-30	3.92	-0.764	-0.0011	-2.5 to 2.5	Pass
				-20	3.92	-0.303	-0.0004	-2.5 to 2.5	Pass
				-10	3.92	-0.400	-0.0006	-2.5 to 2.5	Pass
				0	3.92	-1.027	-0.0015	-2.5 to 2.5	Pass
				10	3.92	-1.033	-0.0015	-2.5 to 2.5	Pass
				30	3.92	-0.512	-0.0007	-2.5 to 2.5	Pass
				40	3.92	0.147	0.0002	-2.5 to 2.5	Pass
	707.5	25	0	20	3.6	1.038	0.0015	-2.5 to 2.5	Pass
					3.92	0.279	0.0004	-2.5 to 2.5	Pass
					4.53	-0.634	-0.0009	-2.5 to 2.5	Pass
				-30	3.92	-0.497	-0.0007	-2.5 to 2.5	Pass
				-20	3.92	-0.286	-0.0004	-2.5 to 2.5	Pass
				-10	3.92	0.389	0.0005	-2.5 to 2.5	Pass
				0	3.92	-0.407	-0.0006	-2.5 to 2.5	Pass
				10	3.92	-0.023	0.0000	-2.5 to 2.5	Pass
				30	3.92	-0.013	0.0000	-2.5 to 2.5	Pass
				40	3.92	0.310	0.0004	-2.5 to 2.5	Pass
	713.5	25	0	20	3.6	1.387	0.0019	-2.5 to 2.5	Pass
					3.92	0.138	0.0002	-2.5 to 2.5	Pass
					4.53	-0.821	-0.0012	-2.5 to 2.5	Pass
				-30	3.92	0.228	0.0003	-2.5 to 2.5	Pass
				-20	3.92	0.216	0.0003	-2.5 to 2.5	Pass
				-10	3.92	-0.922	-0.0013	-2.5 to 2.5	Pass
				0	3.92	-0.372	-0.0005	-2.5 to 2.5	Pass
				10	3.92	-1.550	-0.0022	-2.5 to 2.5	Pass
				30	3.92	-0.973	-0.0014	-2.5 to 2.5	Pass
				40	3.92	-1.172	-0.0016	-2.5 to 2.5	Pass
64QAM	701.5	25	0	20	3.6	-0.130	-0.0002	-2.5 to 2.5	Pass
					3.92	-0.378	-0.0005	-2.5 to 2.5	Pass
					4.53	-0.115	-0.0002	-2.5 to 2.5	Pass
				-30	3.92	-0.553	-0.0008	-2.5 to 2.5	Pass
				-20	3.92	0.311	0.0004	-2.5 to 2.5	Pass

				-10	3.92	0.599	0.0009	-2.5 to 2.5	Pass
				0	3.92	0.264	0.0004	-2.5 to 2.5	Pass
				10	3.92	-0.476	-0.0007	-2.5 to 2.5	Pass
				30	3.92	0.237	0.0003	-2.5 to 2.5	Pass
				40	3.92	-1.133	-0.0016	-2.5 to 2.5	Pass
				50	3.92	-0.703	-0.0010	-2.5 to 2.5	Pass
	707.5	25	0	20	3.6	-0.434	-0.0006	-2.5 to 2.5	Pass
					3.92	-0.204	-0.0003	-2.5 to 2.5	Pass
					4.53	-0.283	-0.0004	-2.5 to 2.5	Pass
				-30	3.92	0.340	0.0005	-2.5 to 2.5	Pass
				-20	3.92	0.040	0.0001	-2.5 to 2.5	Pass
				-10	3.92	-0.525	-0.0007	-2.5 to 2.5	Pass
				0	3.92	-0.893	-0.0013	-2.5 to 2.5	Pass
				10	3.92	-0.152	-0.0002	-2.5 to 2.5	Pass
				30	3.92	0.127	0.0002	-2.5 to 2.5	Pass
				40	3.92	-1.804	-0.0025	-2.5 to 2.5	Pass
				50	3.92	-0.185	-0.0003	-2.5 to 2.5	Pass
	713.5	25	0	20	3.6	-0.469	-0.0007	-2.5 to 2.5	Pass
					3.92	-0.965	-0.0014	-2.5 to 2.5	Pass
					4.53	0.267	0.0004	-2.5 to 2.5	Pass
				-30	3.92	-0.444	-0.0006	-2.5 to 2.5	Pass
				-20	3.92	-1.053	-0.0015	-2.5 to 2.5	Pass
				-10	3.92	0.139	0.0002	-2.5 to 2.5	Pass
				0	3.92	-0.121	-0.0002	-2.5 to 2.5	Pass
				10	3.92	0.460	0.0006	-2.5 to 2.5	Pass
				30	3.92	-0.844	-0.0012	-2.5 to 2.5	Pass
				40	3.92	-0.477	-0.0007	-2.5 to 2.5	Pass
				50	3.92	0.210	0.0003	-2.5 to 2.5	Pass

2.1.4 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	704	50	0	20	3.6	0.558	0.0008	-2.5 to 2.5	Pass
					3.92	-0.592	-0.0008	-2.5 to 2.5	Pass
					4.53	0.113	0.0002	-2.5 to 2.5	Pass
				-30	3.92	-0.929	-0.0013	-2.5 to 2.5	Pass
				-20	3.92	0.377	0.0005	-2.5 to 2.5	Pass
				-10	3.92	-0.817	-0.0012	-2.5 to 2.5	Pass
				0	3.92	-1.240	-0.0018	-2.5 to 2.5	Pass
				10	3.92	-0.120	-0.0002	-2.5 to 2.5	Pass
				30	3.92	-0.144	-0.0002	-2.5 to 2.5	Pass
				40	3.92	0.042	0.0001	-2.5 to 2.5	Pass
				50	3.92	0.785	0.0011	-2.5 to 2.5	Pass
	707.5	50	0	20	3.6	0.317	0.0004	-2.5 to 2.5	Pass
					3.92	0.283	0.0004	-2.5 to 2.5	Pass
					4.53	0.169	0.0002	-2.5 to 2.5	Pass
				-30	3.92	-0.396	-0.0006	-2.5 to 2.5	Pass
				-20	3.92	0.019	0.0000	-2.5 to 2.5	Pass
				-10	3.92	-0.830	-0.0012	-2.5 to 2.5	Pass
				0	3.92	0.049	0.0001	-2.5 to 2.5	Pass
				10	3.92	0.665	0.0009	-2.5 to 2.5	Pass
				30	3.92	-0.626	-0.0009	-2.5 to 2.5	Pass
				40	3.92	-0.603	-0.0009	-2.5 to 2.5	Pass
				50	3.92	-0.920	-0.0013	-2.5 to 2.5	Pass
	711	50	0	20	3.6	-1.538	-0.0022	-2.5 to 2.5	Pass

					3.92	-0.746	-0.0010	-2.5 to 2.5	Pass
					4.53	-0.932	-0.0013	-2.5 to 2.5	Pass
				-30	3.92	-0.366	-0.0005	-2.5 to 2.5	Pass
				-20	3.92	-1.119	-0.0016	-2.5 to 2.5	Pass
				-10	3.92	0.445	0.0006	-2.5 to 2.5	Pass
				0	3.92	0.492	0.0007	-2.5 to 2.5	Pass
				10	3.92	-0.446	-0.0006	-2.5 to 2.5	Pass
				30	3.92	-1.743	-0.0025	-2.5 to 2.5	Pass
				40	3.92	-0.514	-0.0007	-2.5 to 2.5	Pass
				50	3.92	-1.468	-0.0021	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.6	0.547	0.0008	-2.5 to 2.5	Pass
					3.92	0.783	0.0011	-2.5 to 2.5	Pass
					4.53	0.572	0.0008	-2.5 to 2.5	Pass
				-30	3.92	-0.209	-0.0003	-2.5 to 2.5	Pass
				-20	3.92	-0.549	-0.0008	-2.5 to 2.5	Pass
				-10	3.92	-0.267	-0.0004	-2.5 to 2.5	Pass
				0	3.92	0.258	0.0004	-2.5 to 2.5	Pass
				10	3.92	0.245	0.0003	-2.5 to 2.5	Pass
				30	3.92	-0.305	-0.0004	-2.5 to 2.5	Pass
				40	3.92	0.537	0.0008	-2.5 to 2.5	Pass
				50	3.92	-0.035	0.0000	-2.5 to 2.5	Pass
	707.5	50	0	20	3.6	0.061	0.0001	-2.5 to 2.5	Pass
					3.92	-0.970	-0.0014	-2.5 to 2.5	Pass
					4.53	-0.842	-0.0012	-2.5 to 2.5	Pass
				-30	3.92	-0.486	-0.0007	-2.5 to 2.5	Pass
				-20	3.92	0.310	0.0004	-2.5 to 2.5	Pass
				-10	3.92	-0.359	-0.0005	-2.5 to 2.5	Pass
				0	3.92	0.366	0.0005	-2.5 to 2.5	Pass
				10	3.92	0.002	0.0000	-2.5 to 2.5	Pass
				30	3.92	-0.074	-0.0001	-2.5 to 2.5	Pass
				40	3.92	-0.765	-0.0011	-2.5 to 2.5	Pass
				50	3.92	-0.553	-0.0008	-2.5 to 2.5	Pass
	711	50	0	20	3.6	-0.474	-0.0007	-2.5 to 2.5	Pass
					3.92	-1.737	-0.0024	-2.5 to 2.5	Pass
					4.53	-0.644	-0.0009	-2.5 to 2.5	Pass
				-30	3.92	-0.405	-0.0006	-2.5 to 2.5	Pass
				-20	3.92	-0.681	-0.0010	-2.5 to 2.5	Pass
				-10	3.92	-0.139	-0.0002	-2.5 to 2.5	Pass
				0	3.92	-1.239	-0.0017	-2.5 to 2.5	Pass
				10	3.92	0.369	0.0005	-2.5 to 2.5	Pass
				30	3.92	-0.550	-0.0008	-2.5 to 2.5	Pass
				40	3.92	-1.198	-0.0017	-2.5 to 2.5	Pass
				50	3.92	0.058	0.0001	-2.5 to 2.5	Pass
64QAM	704	50	0	20	3.6	0.394	0.0006	-2.5 to 2.5	Pass
					3.92	0.268	0.0004	-2.5 to 2.5	Pass
					4.53	0.408	0.0006	-2.5 to 2.5	Pass
				-30	3.92	0.930	0.0013	-2.5 to 2.5	Pass
				-20	3.92	0.178	0.0003	-2.5 to 2.5	Pass
				-10	3.92	-0.512	-0.0007	-2.5 to 2.5	Pass
				0	3.92	-0.798	-0.0011	-2.5 to 2.5	Pass
				10	3.92	-0.430	-0.0006	-2.5 to 2.5	Pass
				30	3.92	-0.157	-0.0002	-2.5 to 2.5	Pass
				40	3.92	0.285	0.0004	-2.5 to 2.5	Pass
				50	3.92	-0.272	-0.0004	-2.5 to 2.5	Pass
	707.5	50	0	20	3.6	0.258	0.0004	-2.5 to 2.5	Pass
					3.92	-0.212	-0.0003	-2.5 to 2.5	Pass
					4.53	-0.978	-0.0014	-2.5 to 2.5	Pass
				-30	3.92	-0.320	-0.0005	-2.5 to 2.5	Pass
				-20	3.92	0.055	0.0001	-2.5 to 2.5	Pass

				-10	3.92	0.099	0.0001	-2.5 to 2.5	Pass
				0	3.92	0.143	0.0002	-2.5 to 2.5	Pass
				10	3.92	-0.296	-0.0004	-2.5 to 2.5	Pass
				30	3.92	-0.018	0.0000	-2.5 to 2.5	Pass
				40	3.92	0.407	0.0006	-2.5 to 2.5	Pass
				50	3.92	-1.611	-0.0023	-2.5 to 2.5	Pass
	711	50	0	20	3.6	0.367	0.0005	-2.5 to 2.5	Pass
					3.92	-0.005	0.0000	-2.5 to 2.5	Pass
					4.53	0.588	0.0008	-2.5 to 2.5	Pass
				-30	3.92	0.983	0.0014	-2.5 to 2.5	Pass
				-20	3.92	-0.565	-0.0008	-2.5 to 2.5	Pass
				-10	3.92	0.121	0.0002	-2.5 to 2.5	Pass
				0	3.92	0.051	0.0001	-2.5 to 2.5	Pass
				10	3.92	-0.426	-0.0006	-2.5 to 2.5	Pass
				30	3.92	0.497	0.0007	-2.5 to 2.5	Pass
				40	3.92	-0.715	-0.0010	-2.5 to 2.5	Pass
				50	3.92	-1.003	-0.0014	-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	699.7	6	0	1.120	/	Pass
		707.5	6	0	1.115	/	Pass
		715.3	6	0	1.123	/	Pass
	16QAM	699.7	6	0	1.122	/	Pass
		707.5	6	0	1.131	/	Pass
		715.3	6	0	1.129	/	Pass
	64QAM	699.7	6	0	1.128	/	Pass
		707.5	6	0	1.126	/	Pass
		715.3	6	0	1.125	/	Pass
3	QPSK	700.5	15	0	2.744	/	Pass
		707.5	15	0	2.751	/	Pass
		714.5	15	0	2.741	/	Pass
	16QAM	700.5	15	0	2.760	/	Pass
		707.5	15	0	2.747	/	Pass
		714.5	15	0	2.748	/	Pass
	64QAM	700.5	15	0	2.744	/	Pass
		707.5	15	0	2.744	/	Pass
		714.5	15	0	2.757	/	Pass
5	QPSK	701.5	25	0	4.581	/	Pass
		707.5	25	0	4.570	/	Pass
		713.5	25	0	4.570	/	Pass
	16QAM	701.5	25	0	4.581	/	Pass
		707.5	25	0	4.568	/	Pass
		713.5	25	0	4.582	/	Pass
	64QAM	701.5	25	0	4.579	/	Pass
		707.5	25	0	4.577	/	Pass
		713.5	25	0	4.577	/	Pass
10	QPSK	704	50	0	9.076	/	Pass
		707.5	50	0	9.054	/	Pass
		711	50	0	9.069	/	Pass
	16QAM	704	50	0	9.083	/	Pass
		707.5	50	0	9.105	/	Pass
		711	50	0	9.110	/	Pass
	64QAM	704	50	0	9.068	/	Pass
		707.5	50	0	9.065	/	Pass
		711	50	0	9.065	/	Pass

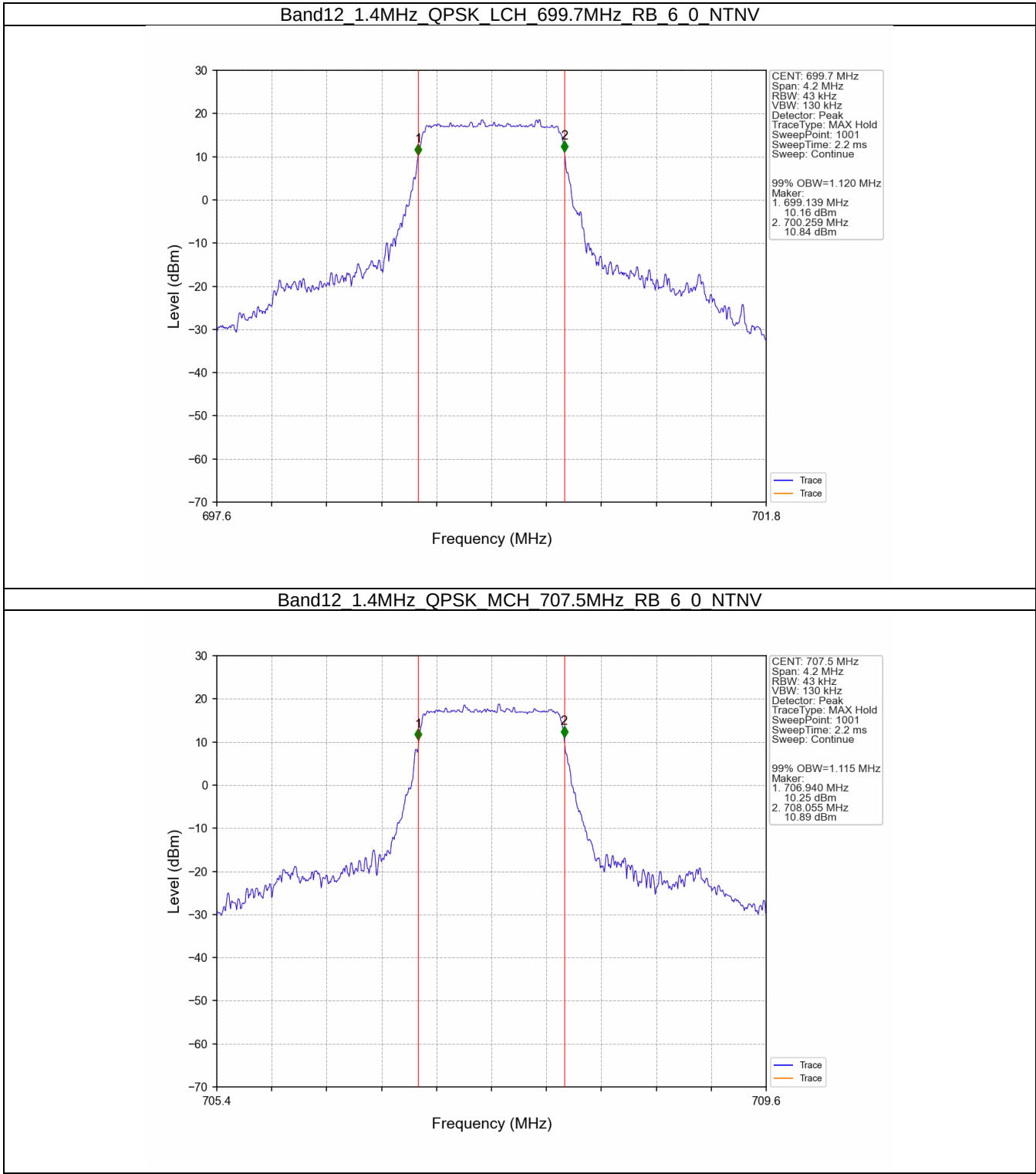
3.1.2 Band12_XDB

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.423	/	Pass
		707.5	6	0	1.372	/	Pass
		715.3	6	0	1.420	/	Pass

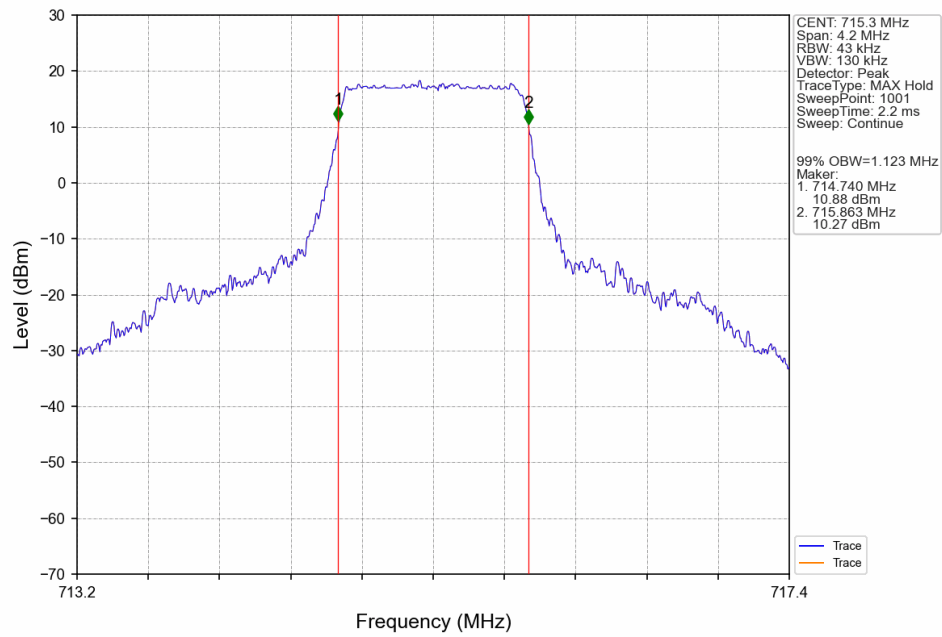
	16QAM	699.7	6	0	1.397	/	Pass
		707.5	6	0	1.432	/	Pass
		715.3	6	0	1.427	/	Pass
	64QAM	699.7	6	0	1.415	/	Pass
		707.5	6	0	1.405	/	Pass
		715.3	6	0	1.385	/	Pass
3	QPSK	700.5	15	0	3.114	/	Pass
		707.5	15	0	3.157	/	Pass
		714.5	15	0	3.136	/	Pass
	16QAM	700.5	15	0	3.105	/	Pass
		707.5	15	0	3.156	/	Pass
		714.5	15	0	3.129	/	Pass
	64QAM	700.5	15	0	3.119	/	Pass
		707.5	15	0	3.120	/	Pass
		714.5	15	0	3.121	/	Pass
5	QPSK	701.5	25	0	5.308	/	Pass
		707.5	25	0	5.249	/	Pass
		713.5	25	0	5.193	/	Pass
	16QAM	701.5	25	0	5.301	/	Pass
		707.5	25	0	5.221	/	Pass
		713.5	25	0	5.258	/	Pass
	64QAM	701.5	25	0	5.245	/	Pass
		707.5	25	0	5.267	/	Pass
		713.5	25	0	5.207	/	Pass
10	QPSK	704	50	0	10.131	/	Pass
		707.5	50	0	10.152	/	Pass
		711	50	0	10.094	/	Pass
	16QAM	704	50	0	10.253	/	Pass
		707.5	50	0	10.101	/	Pass
		711	50	0	10.182	/	Pass
	64QAM	704	50	0	10.127	/	Pass
		707.5	50	0	10.192	/	Pass
		711	50	0	10.034	/	Pass

3.2 Test Graph

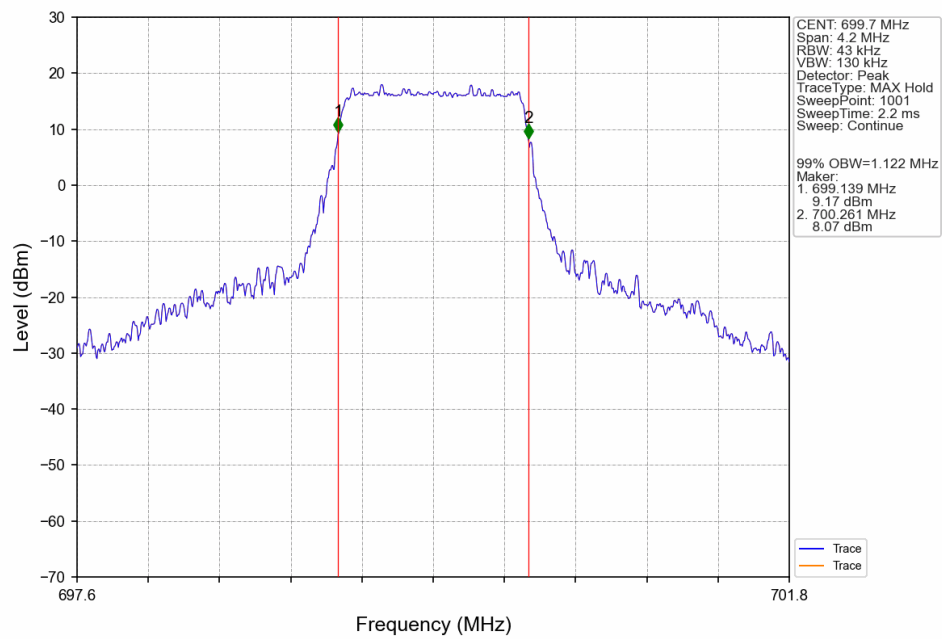
3.2.1 Band12_OBW



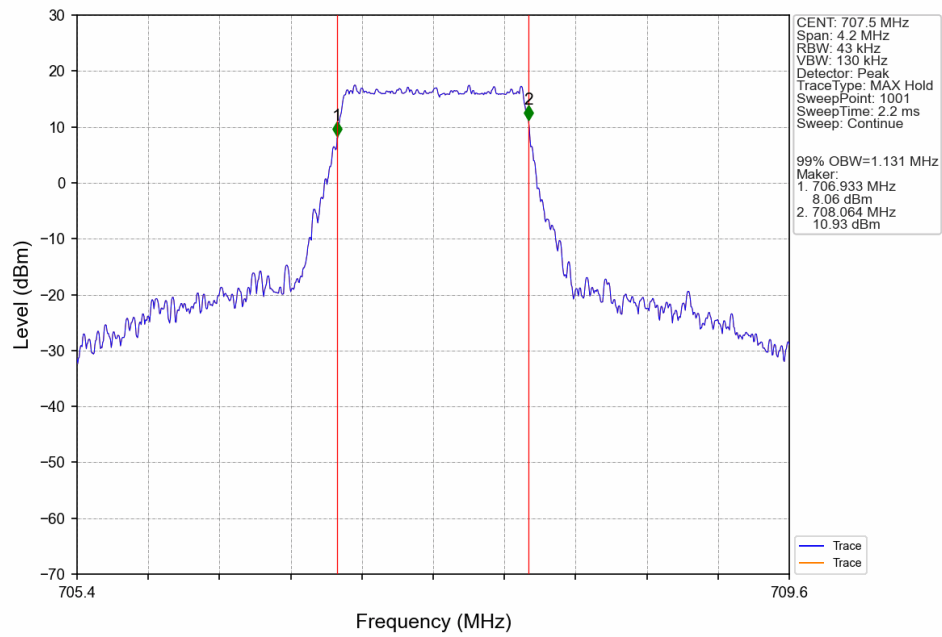
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



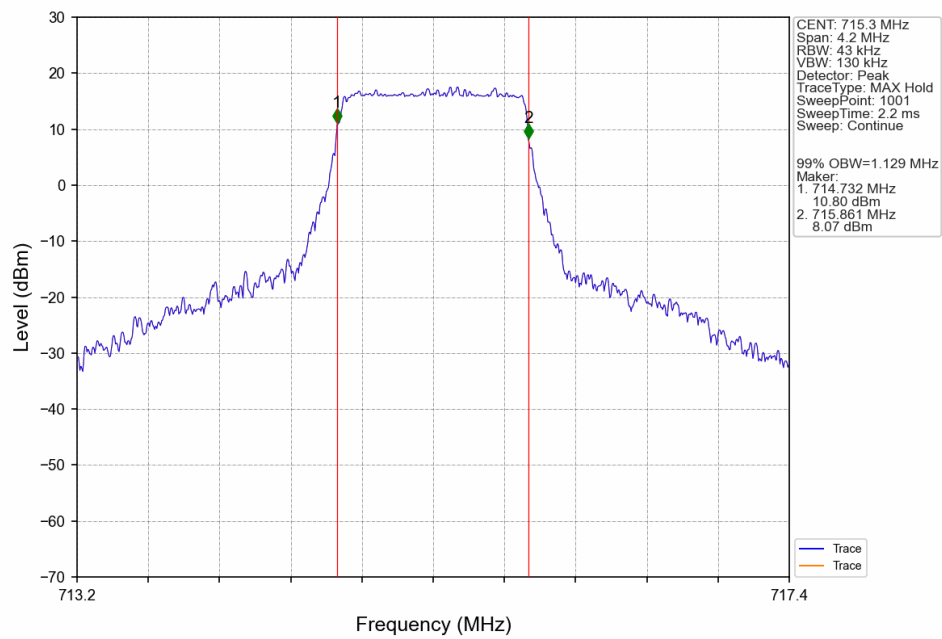
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



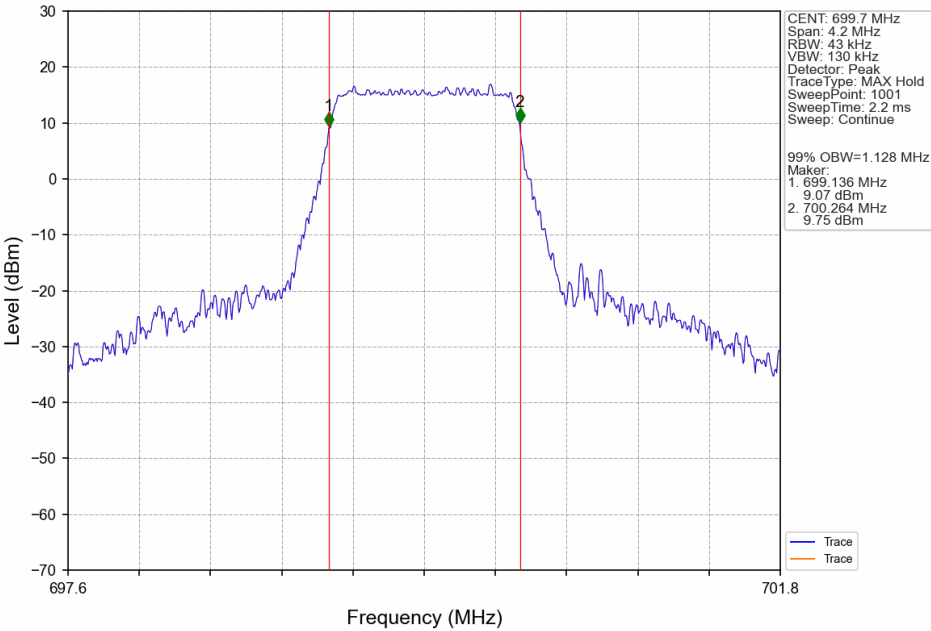
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



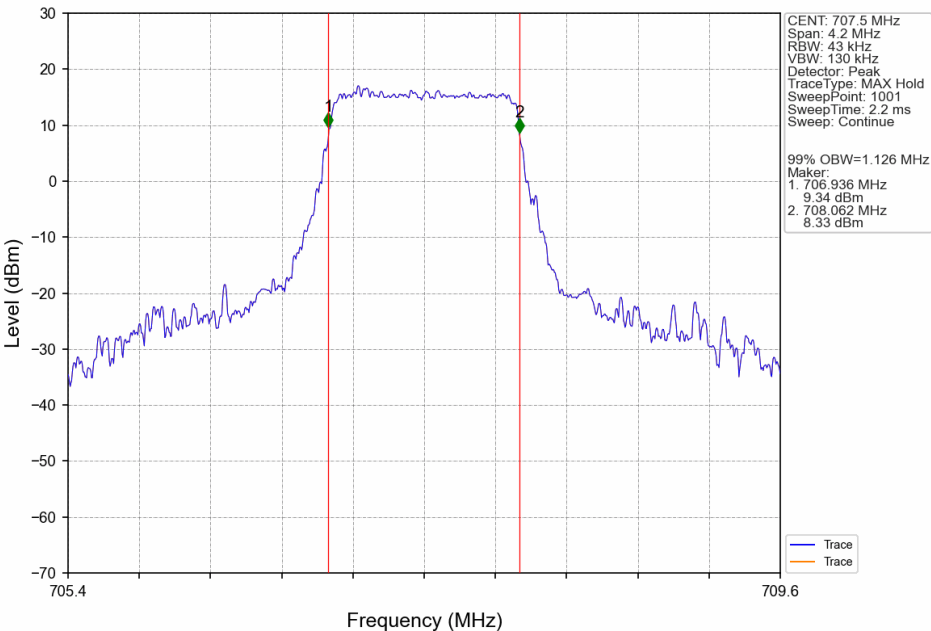
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



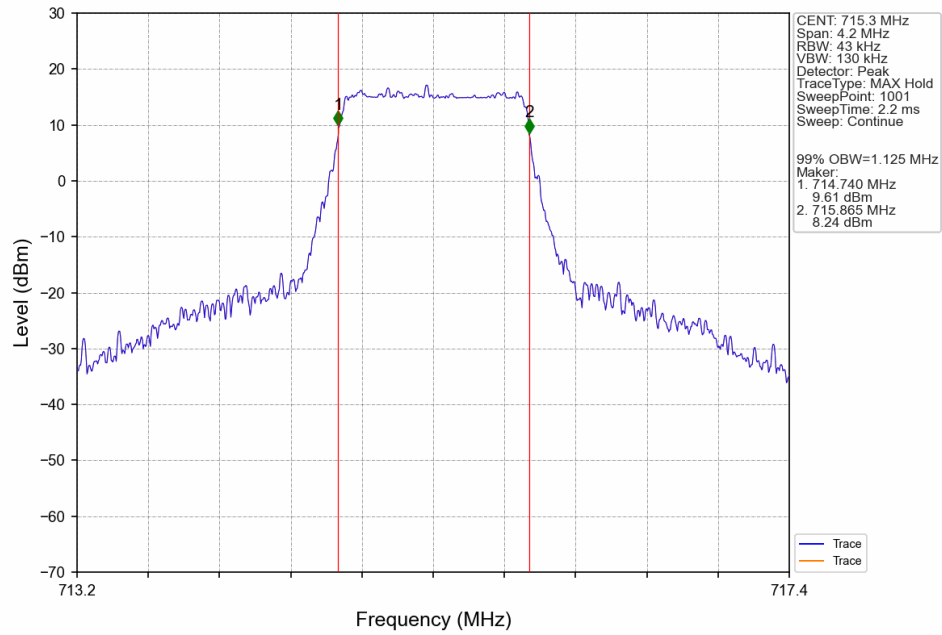
Band12 1.4MHz 64QAM LCH 699.7MHz RB 6 0 NTNV



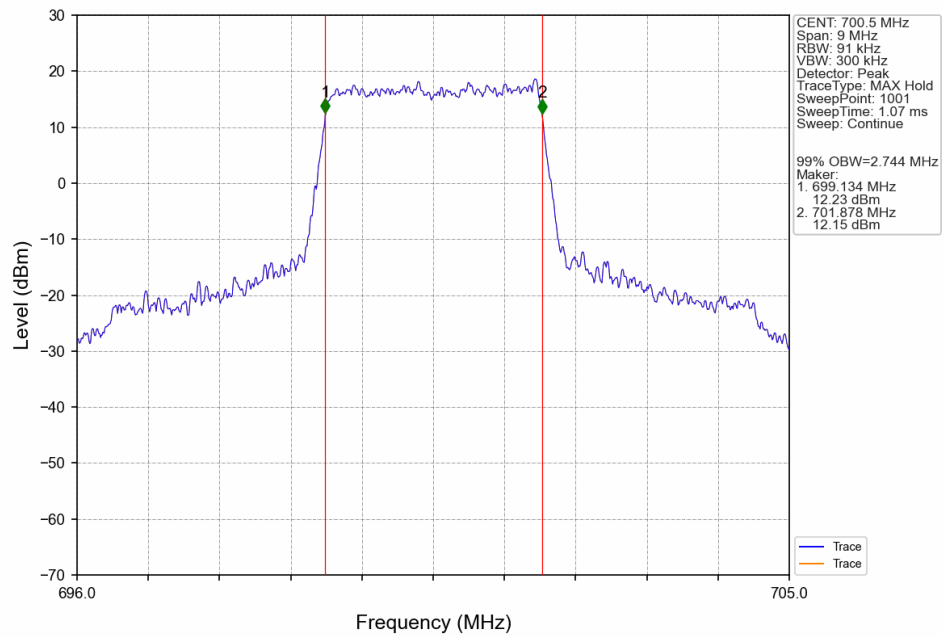
Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTNV



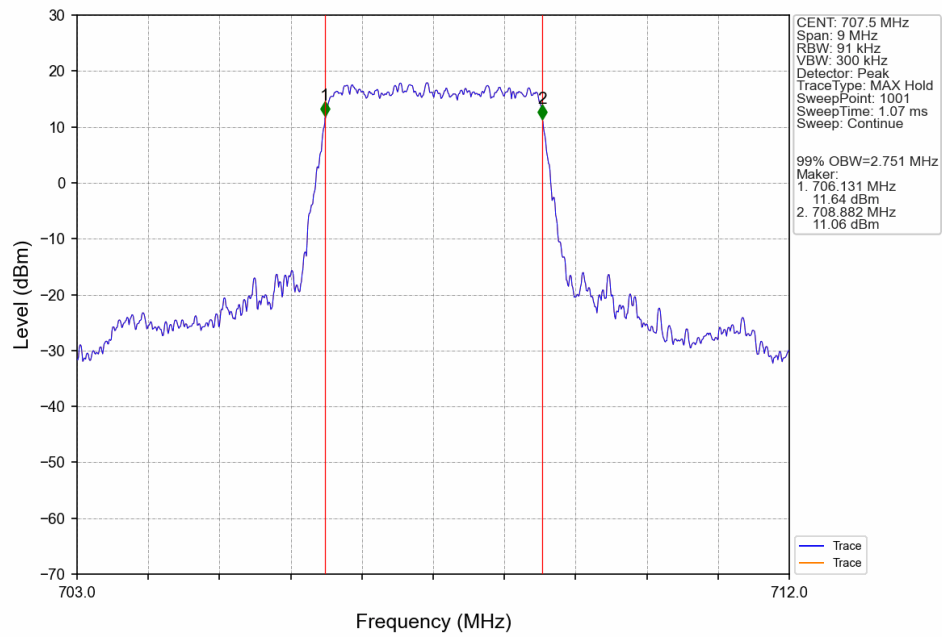
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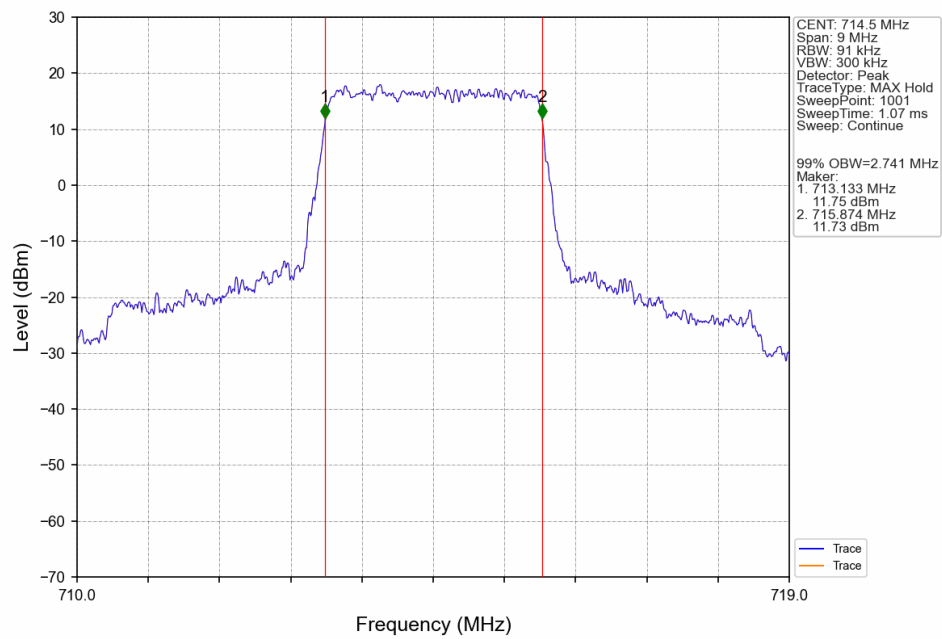
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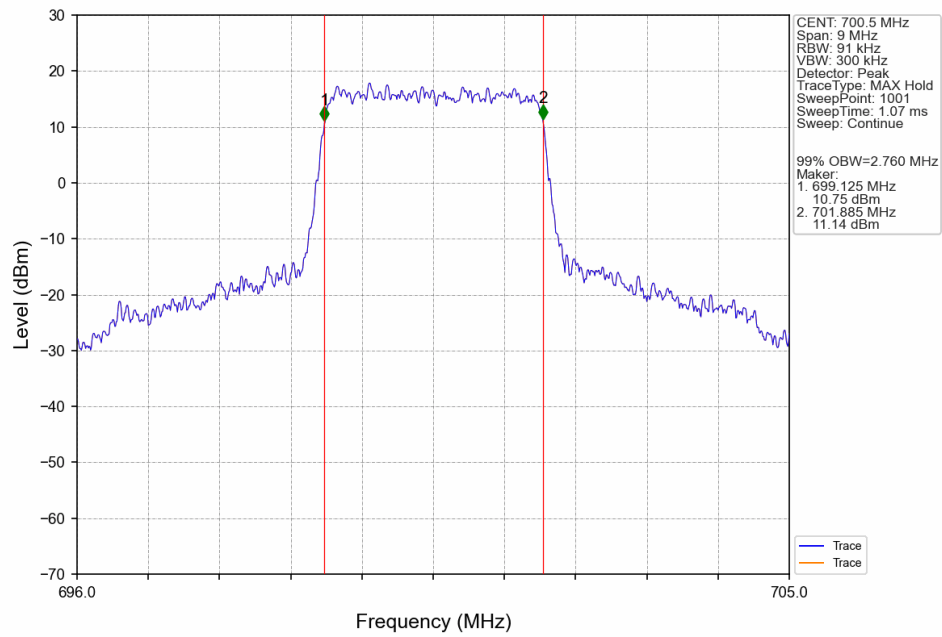
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTNV



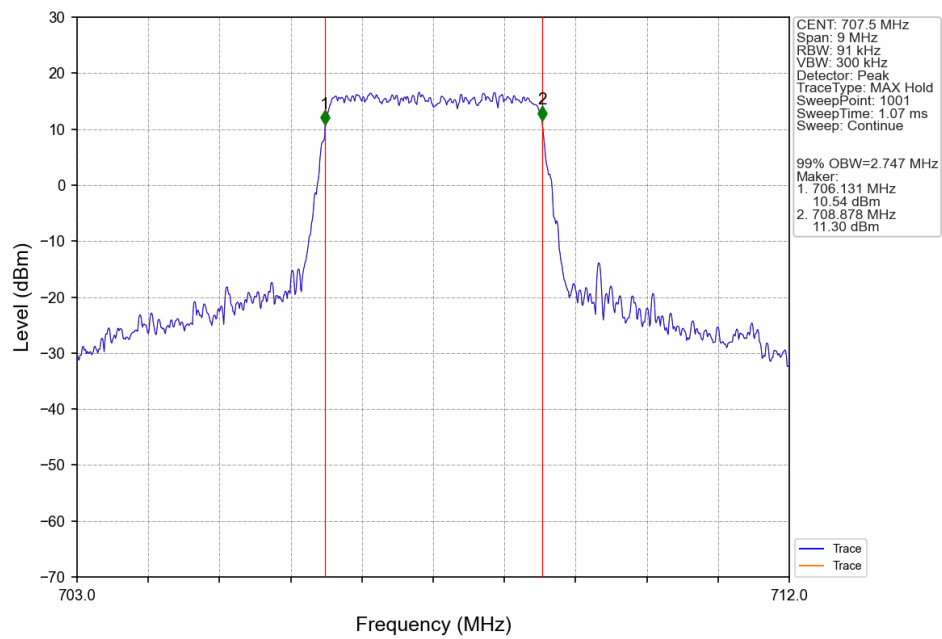
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



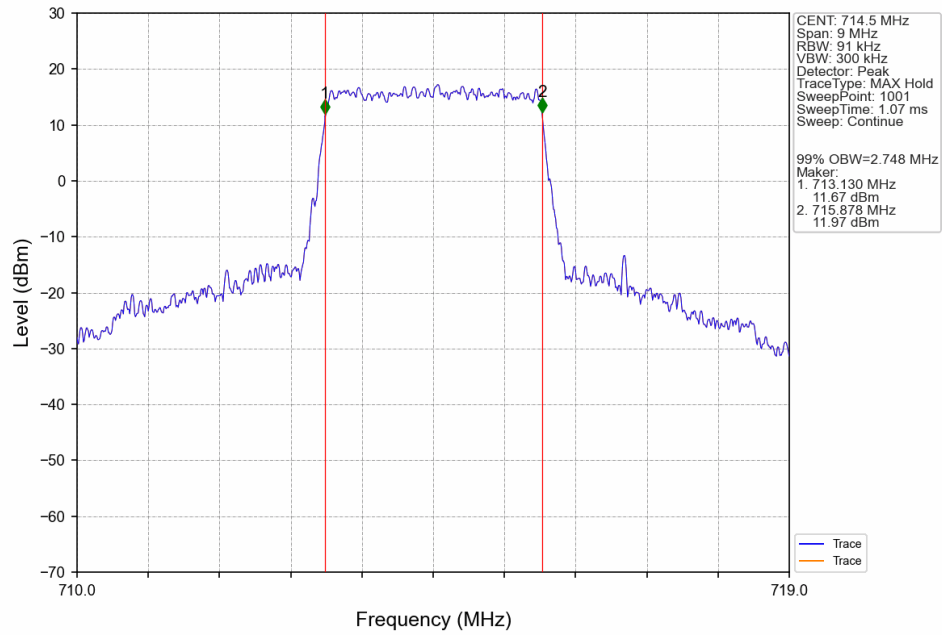
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



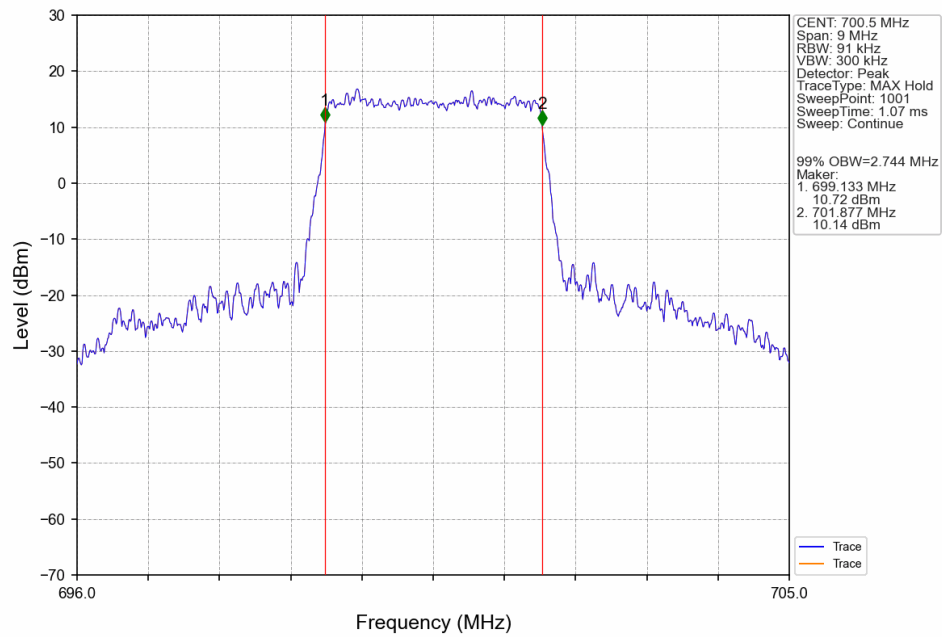
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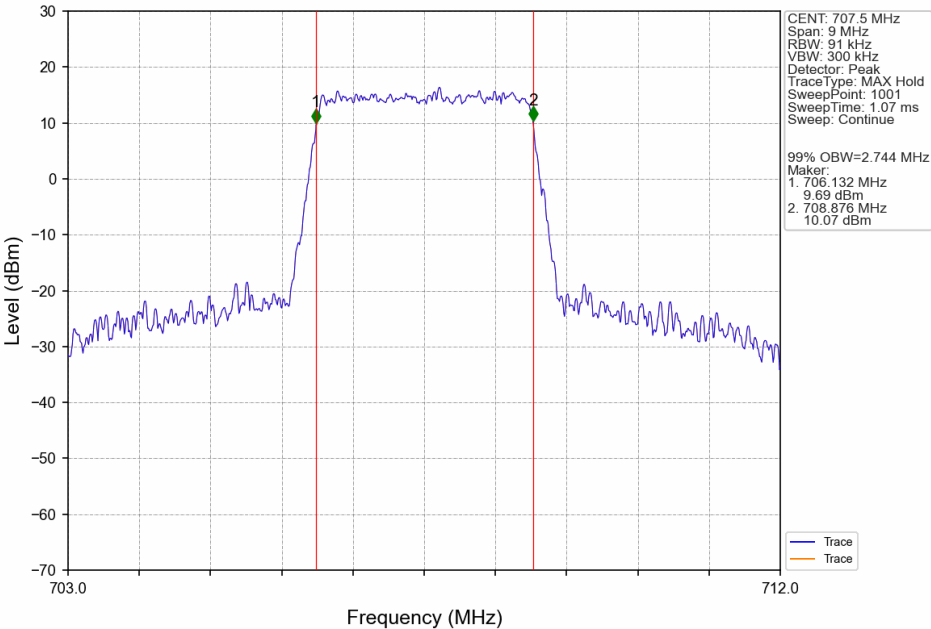
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



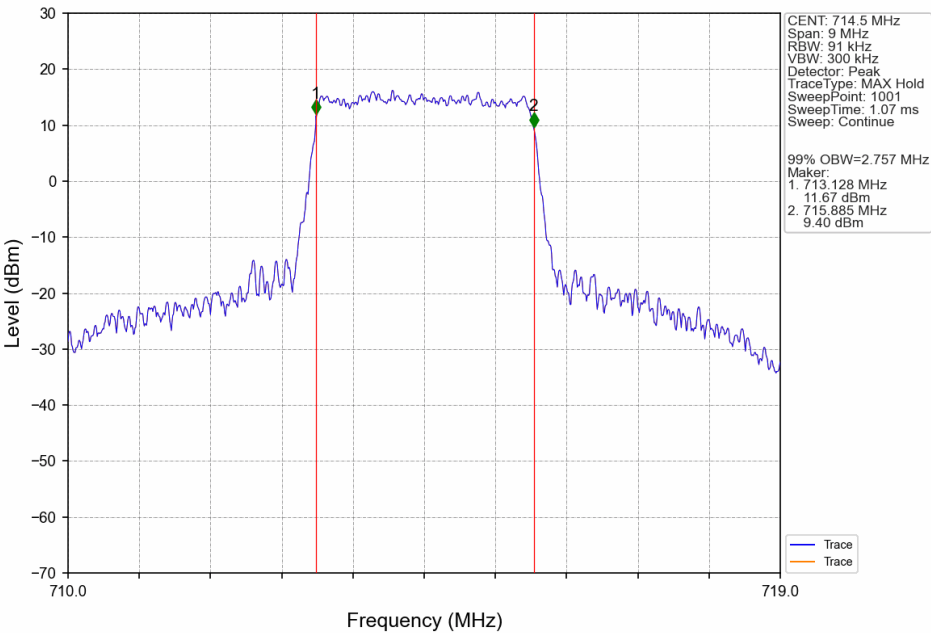
Band12 3MHz 64QAM LCH 700.5MHz RB 15 0 NTNV



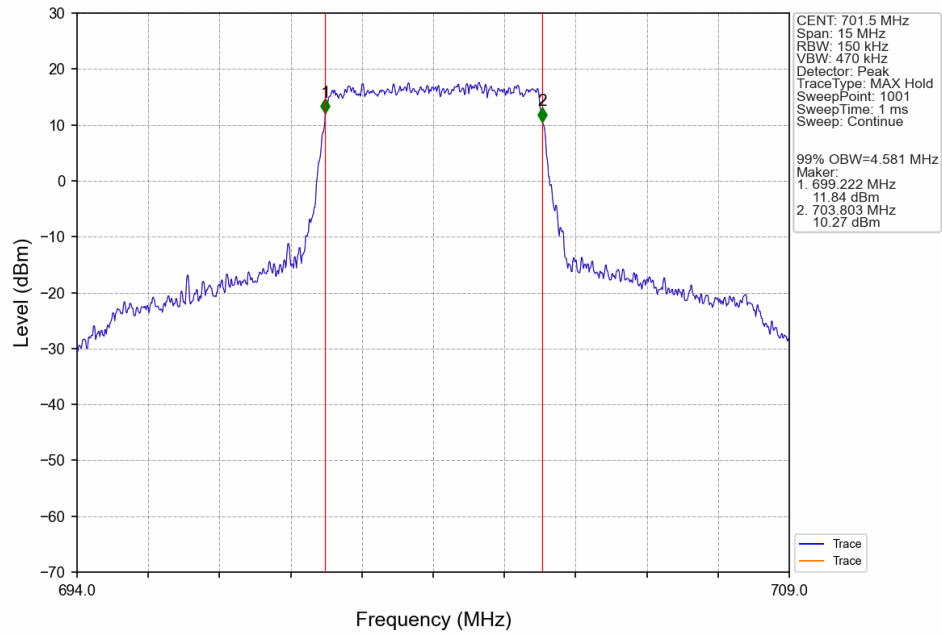
Band12 3MHz 64QAM MCH 707.5MHz RB 15 0 NTNV



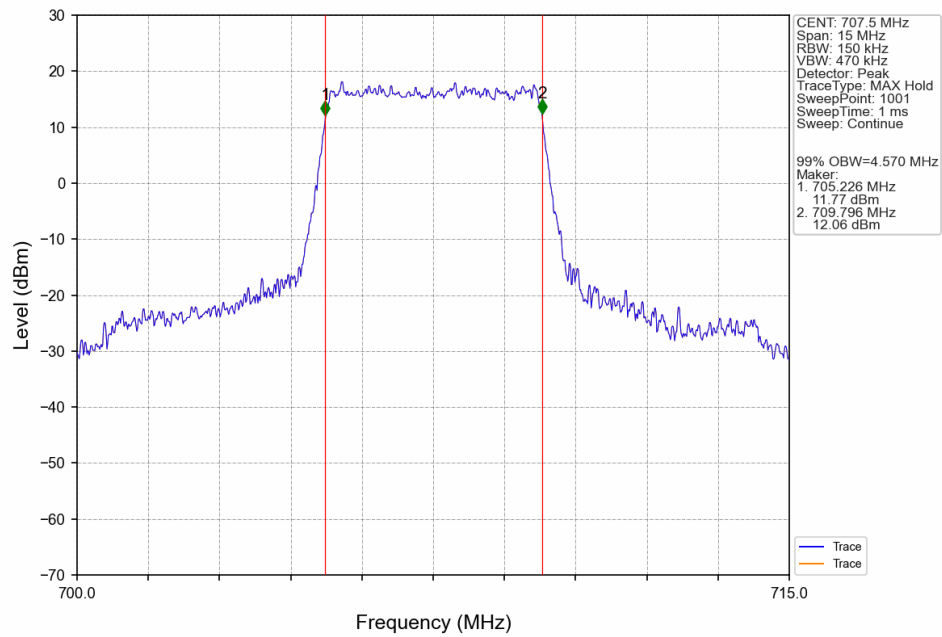
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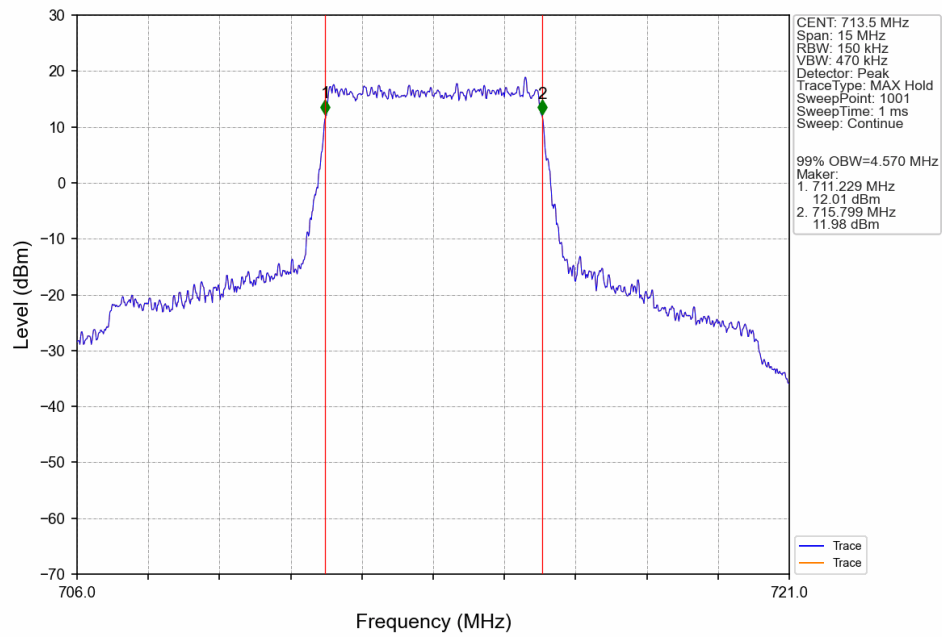
Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV



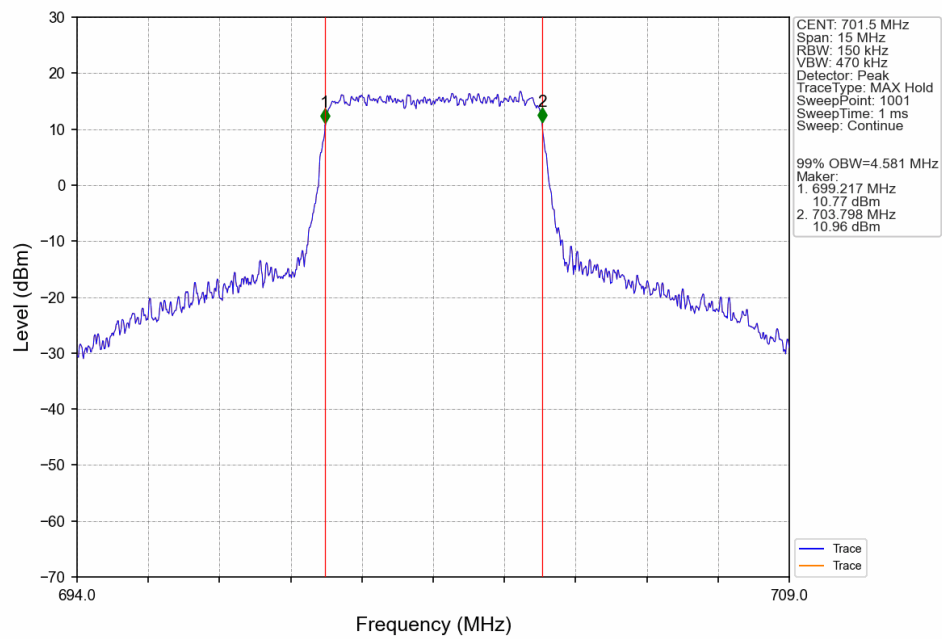
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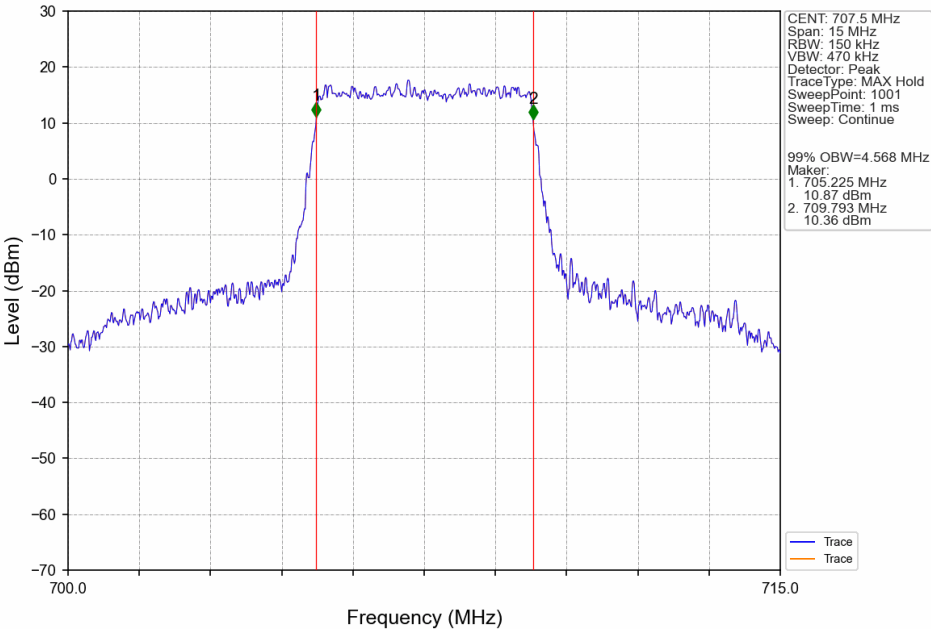
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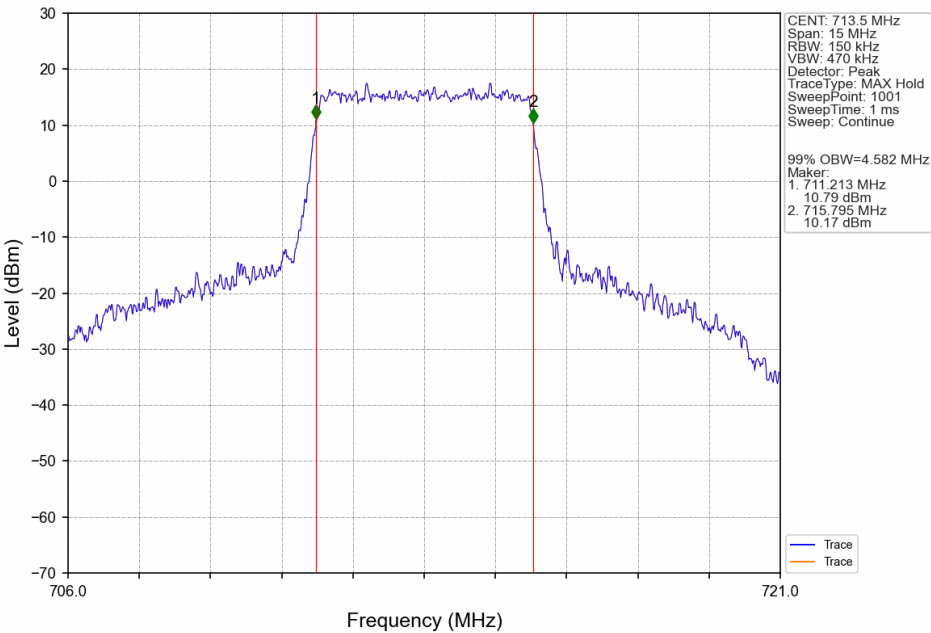
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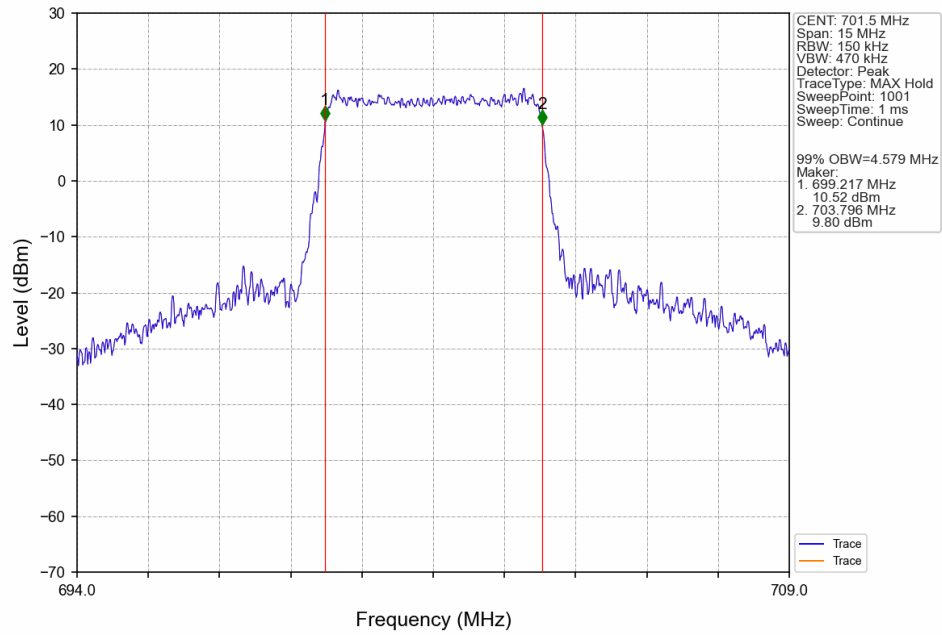
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



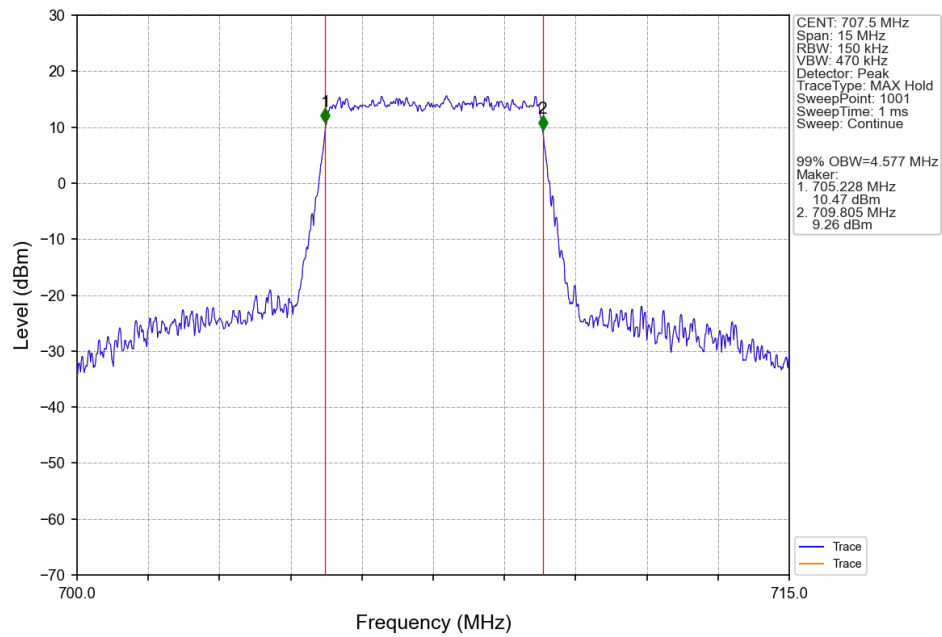
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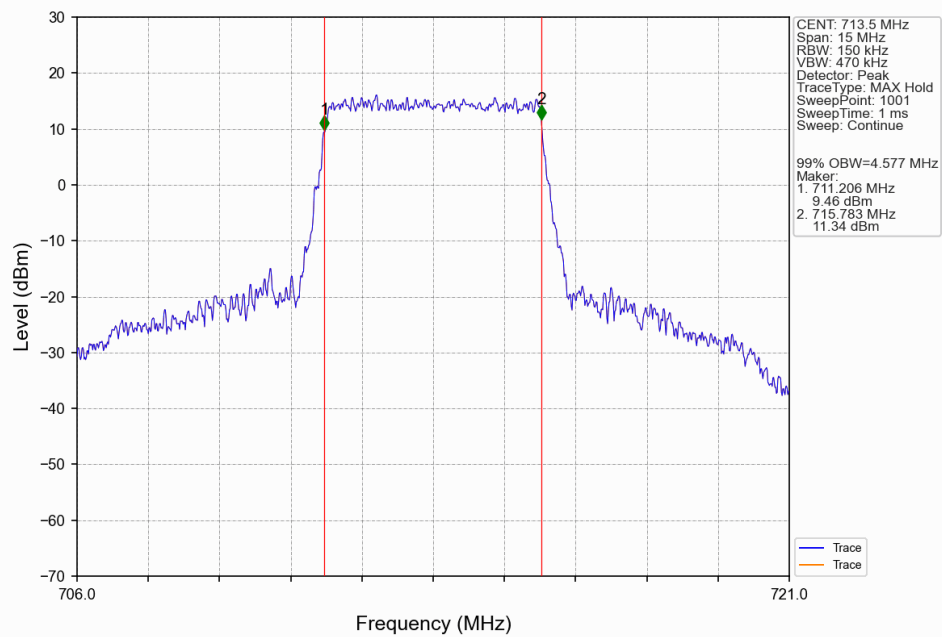
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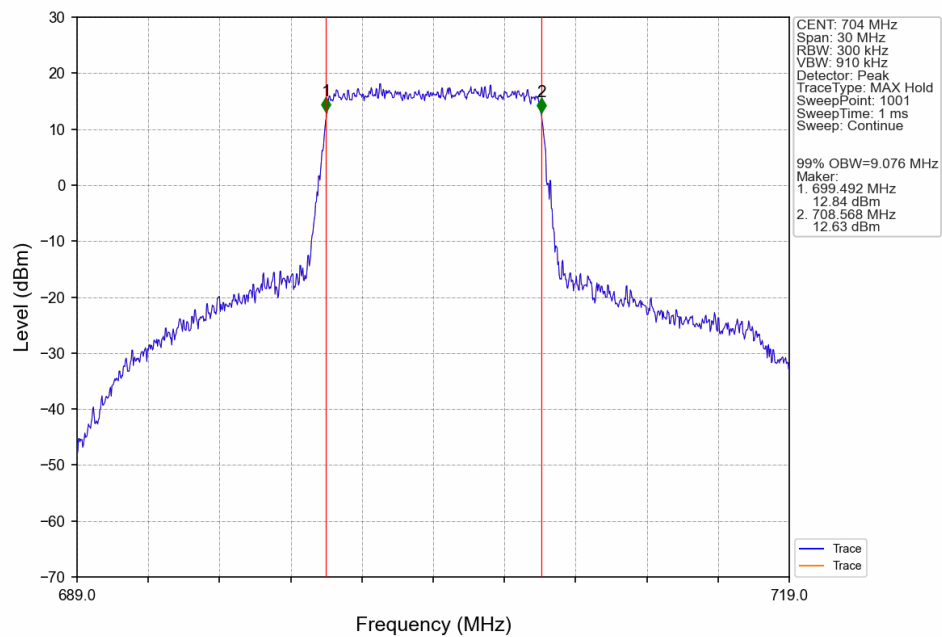
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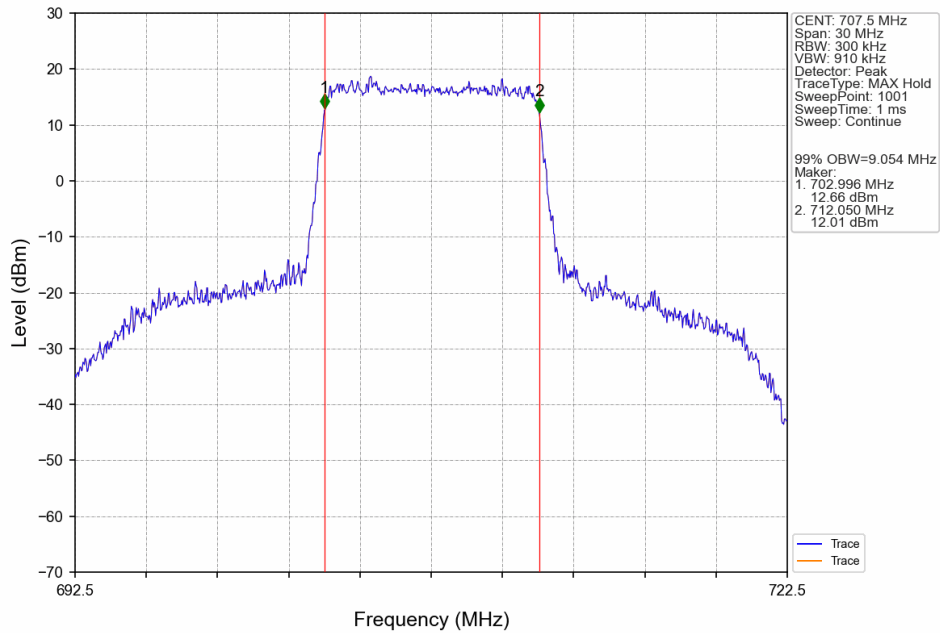
Band12 5MHz 64QAM HCH 713.5MHz RB 25 0 NTN



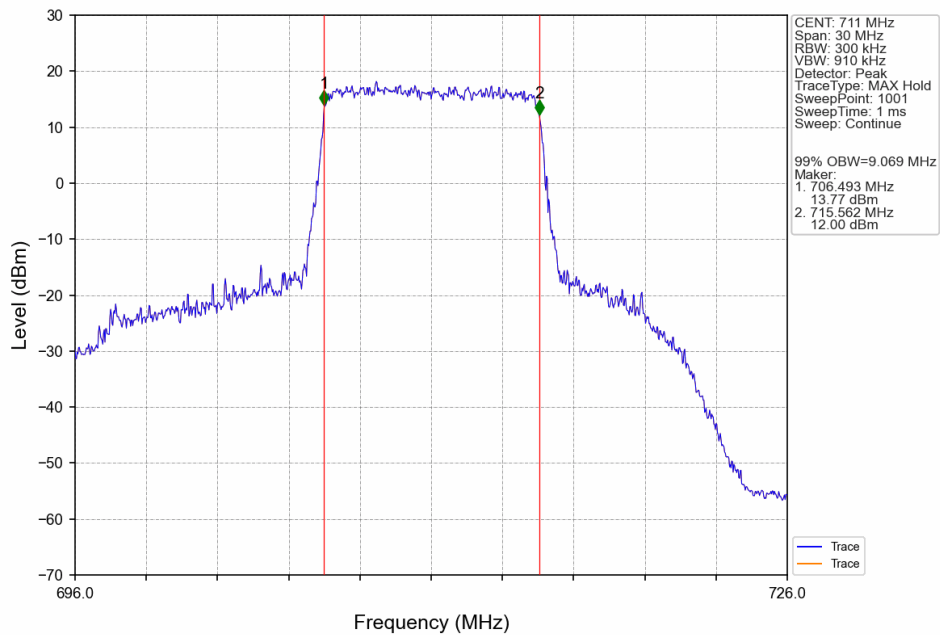
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



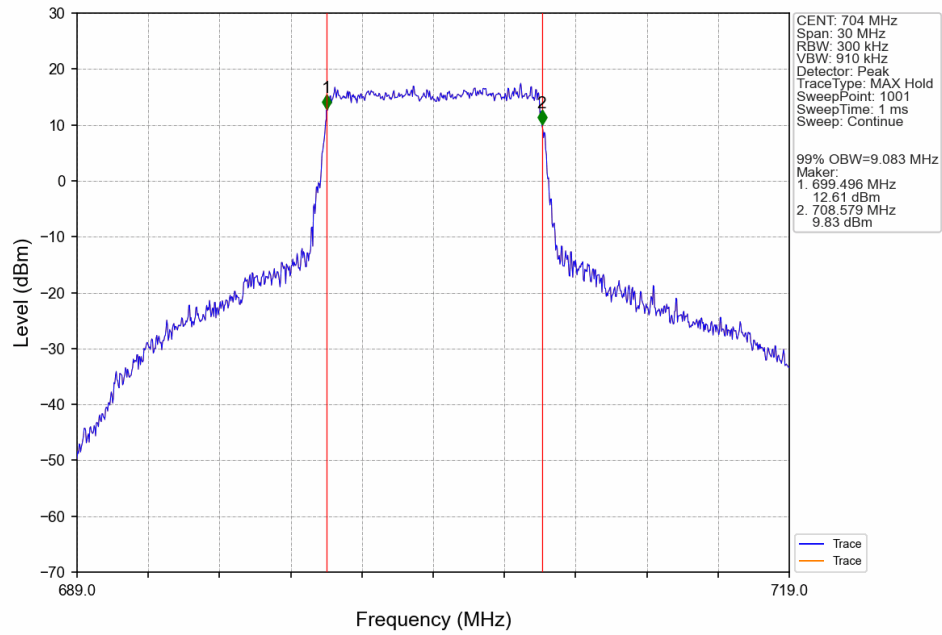
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



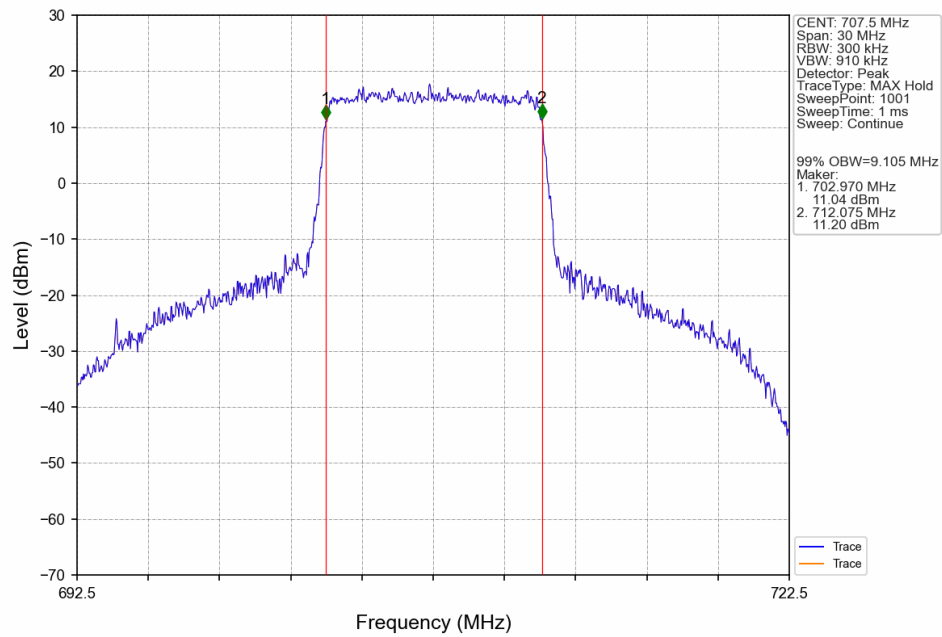
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



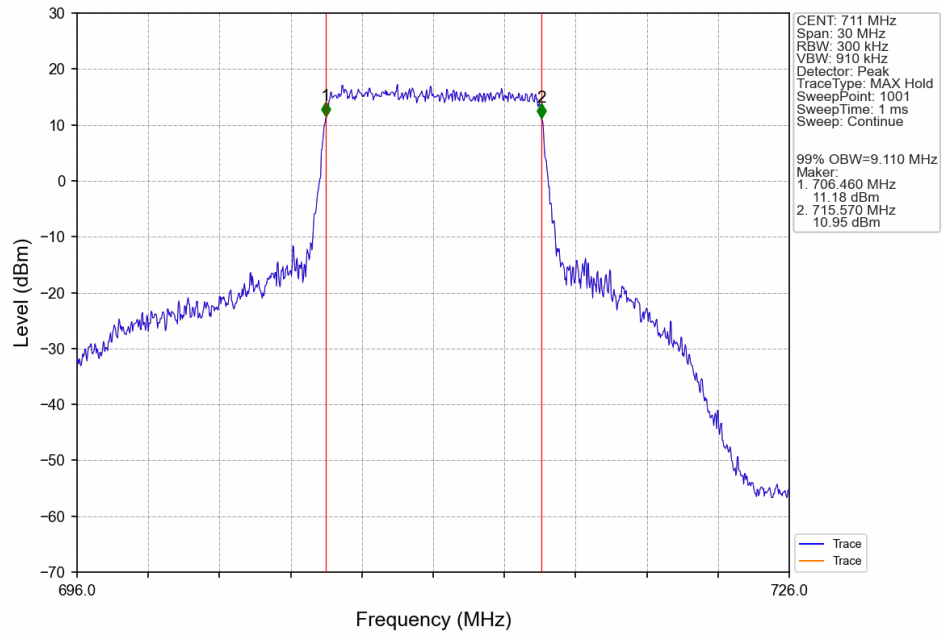
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



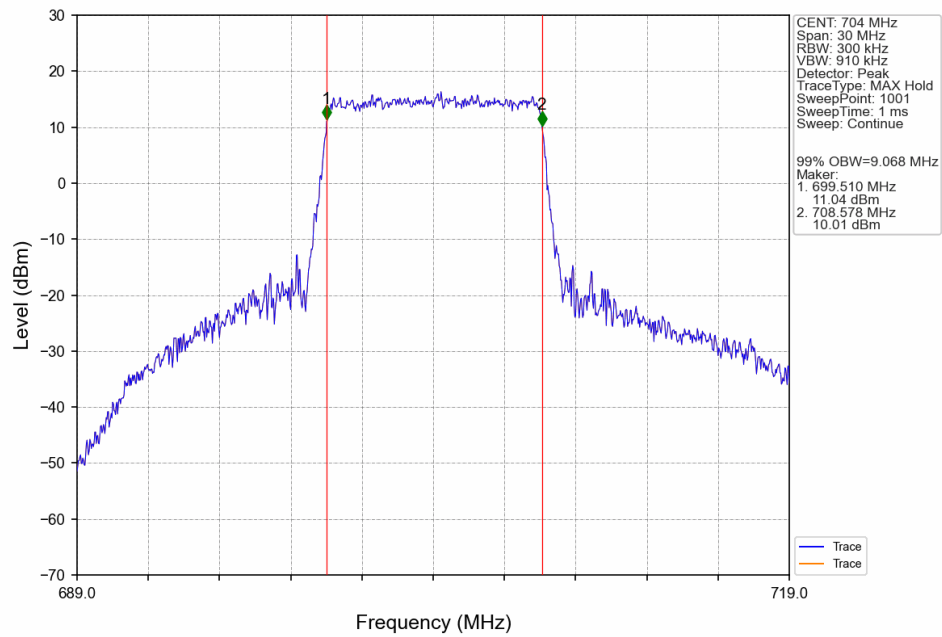
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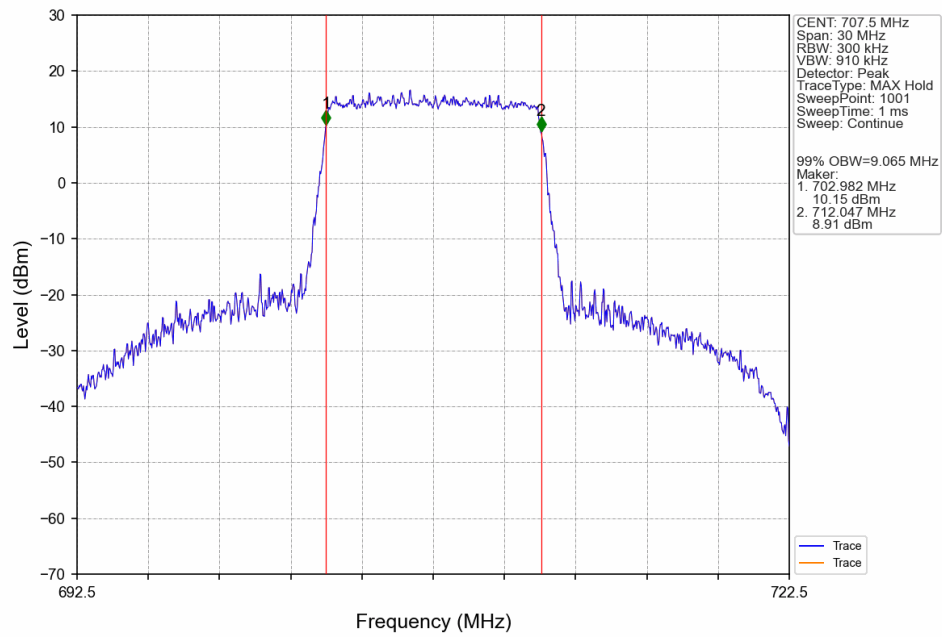
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



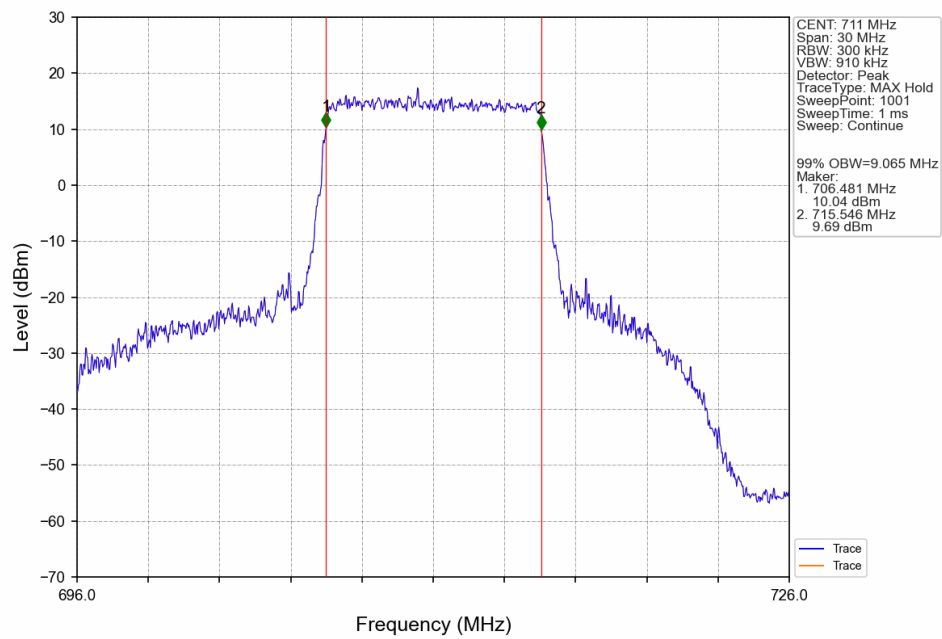
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



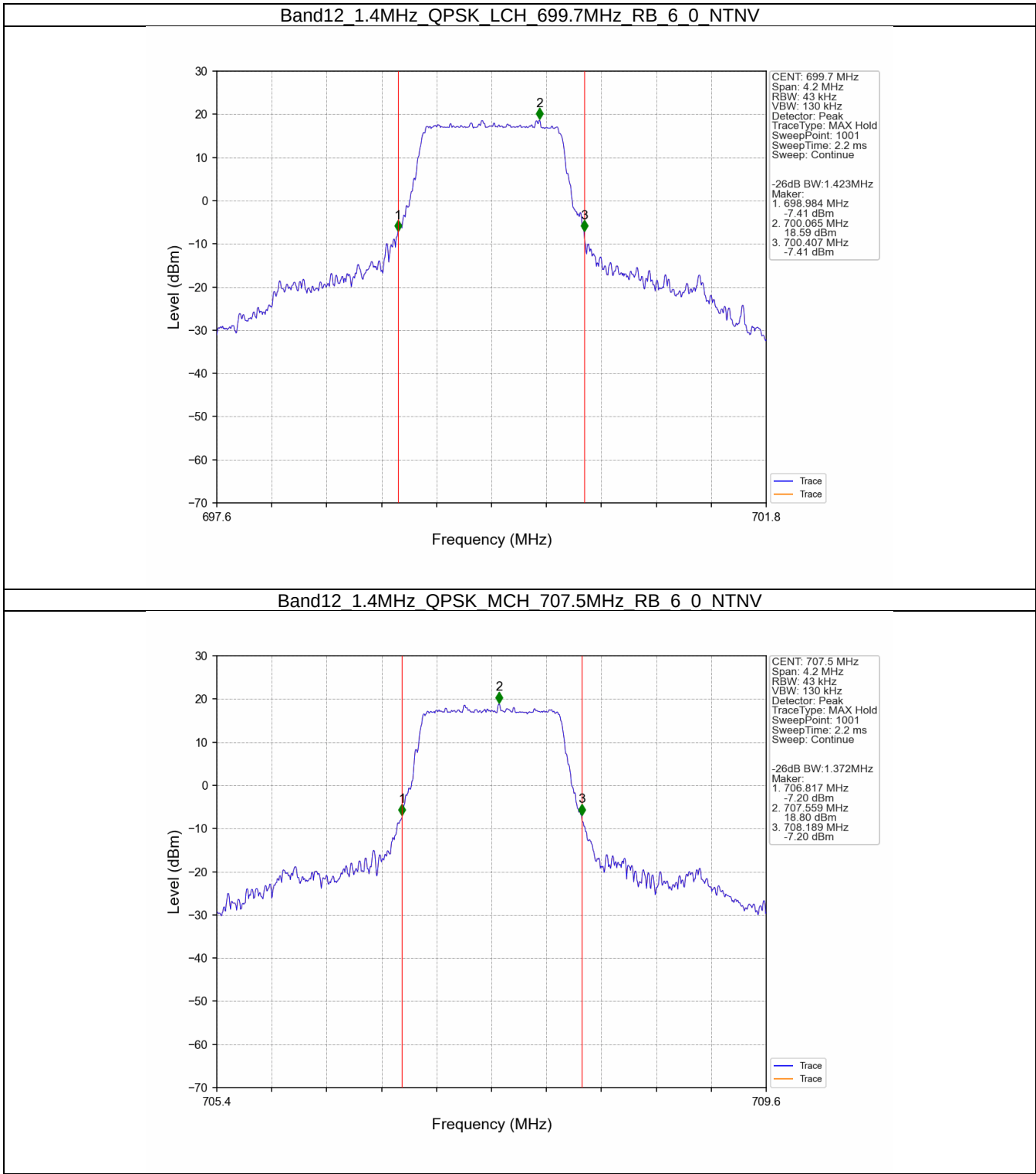
Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



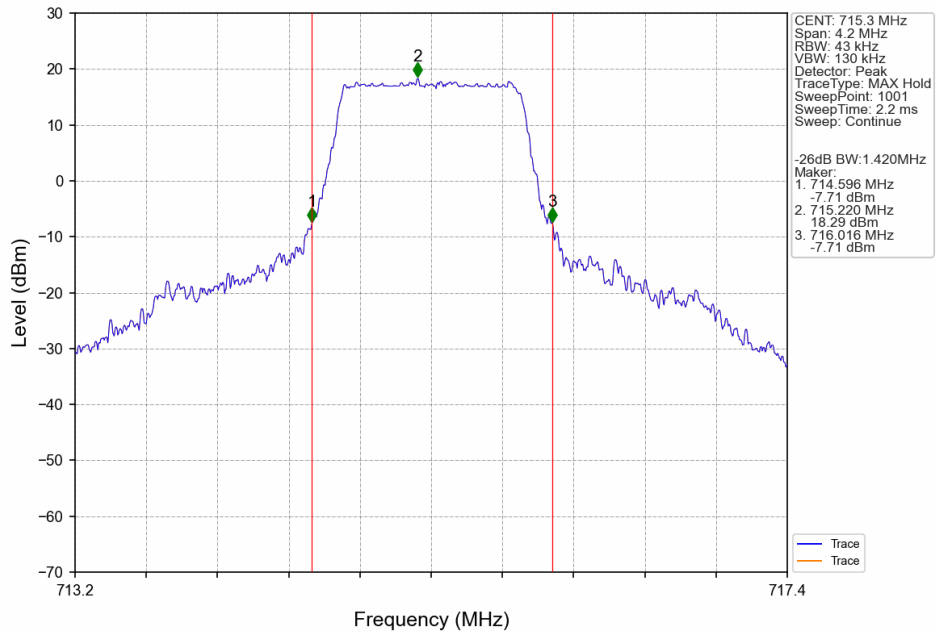
Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



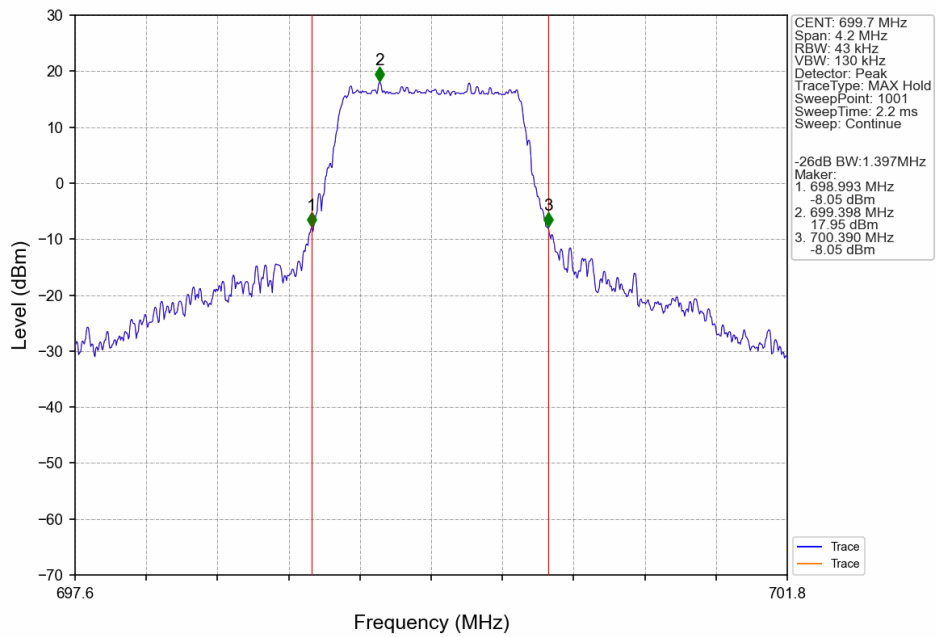
3.2.2 Band12_XDB



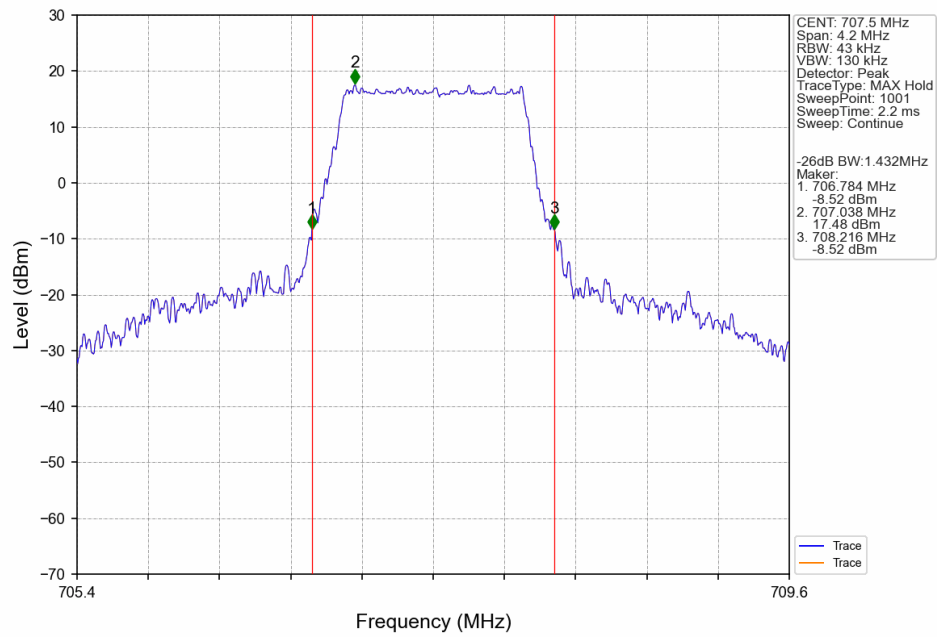
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



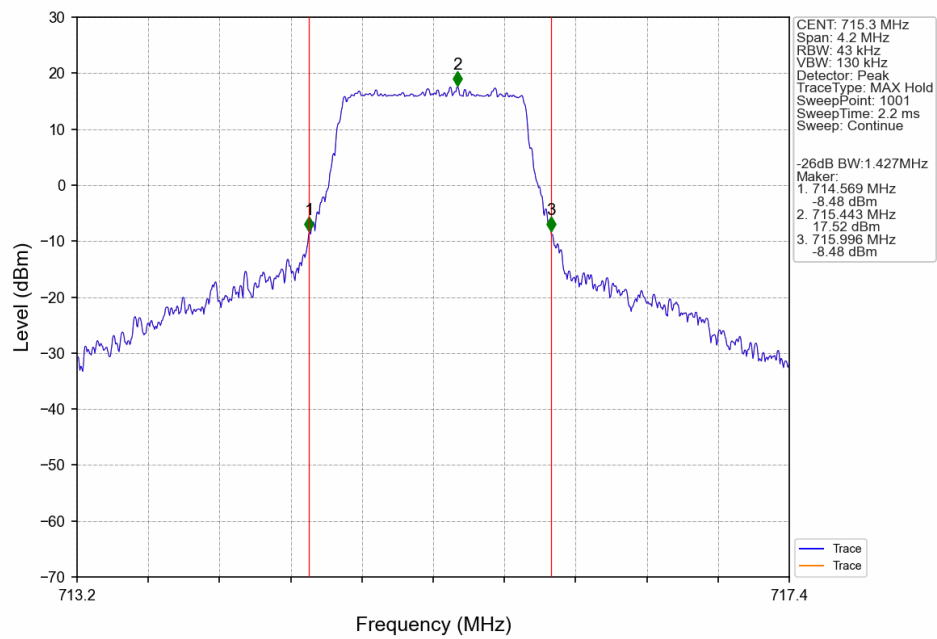
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



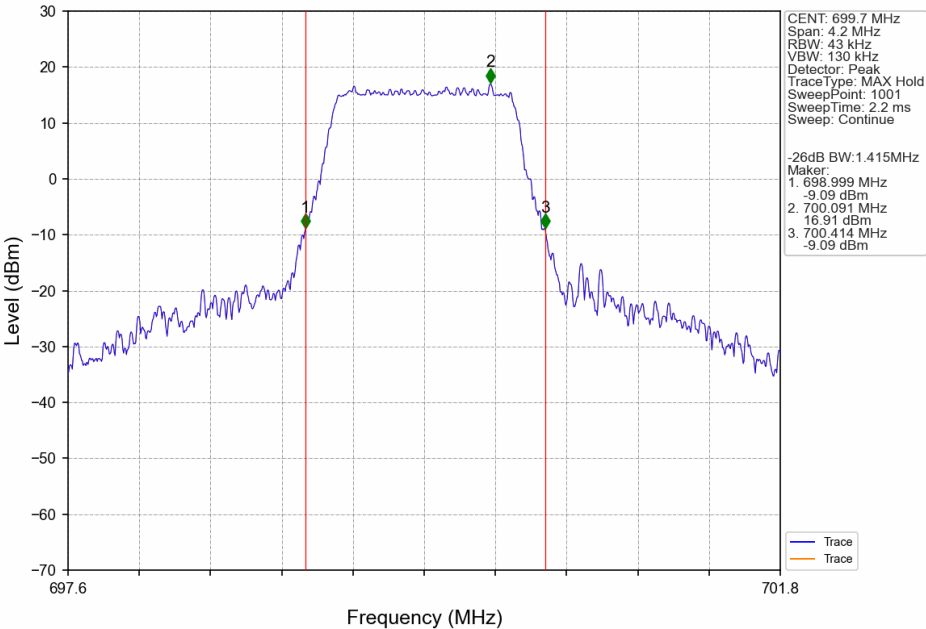
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



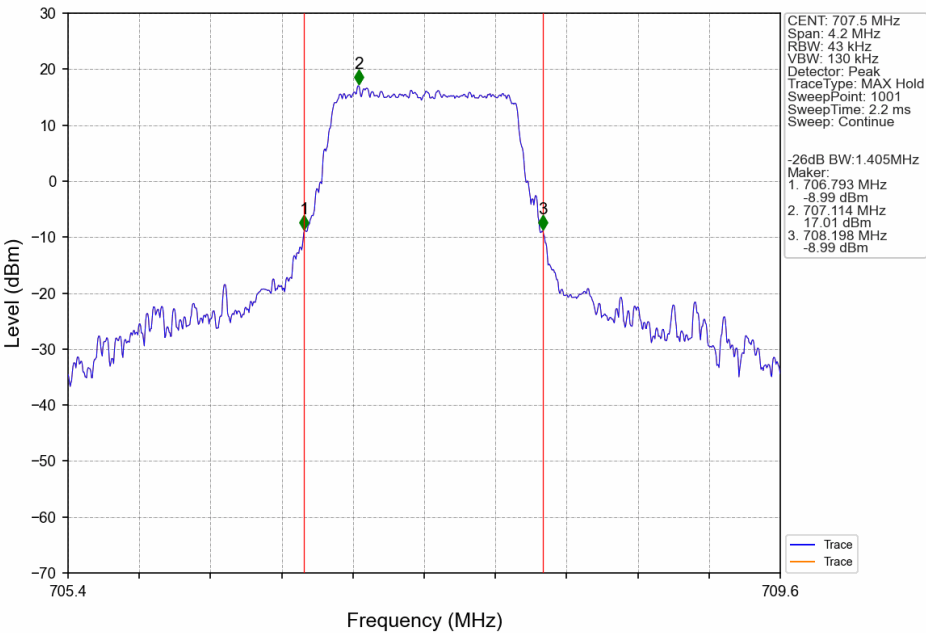
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



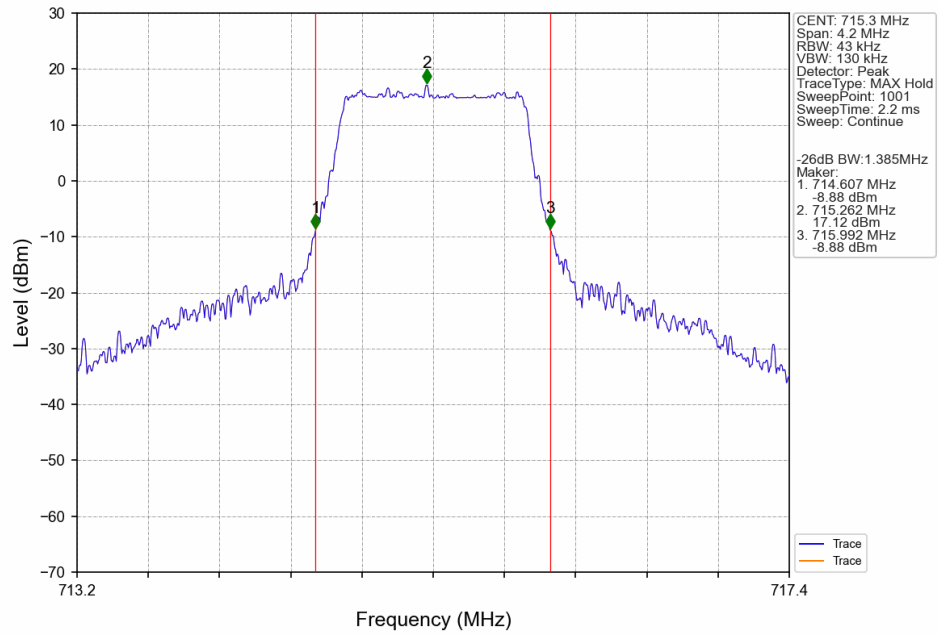
Band12 1.4MHz 64QAM LCH 699.7MHz RB 6 0 NTNV



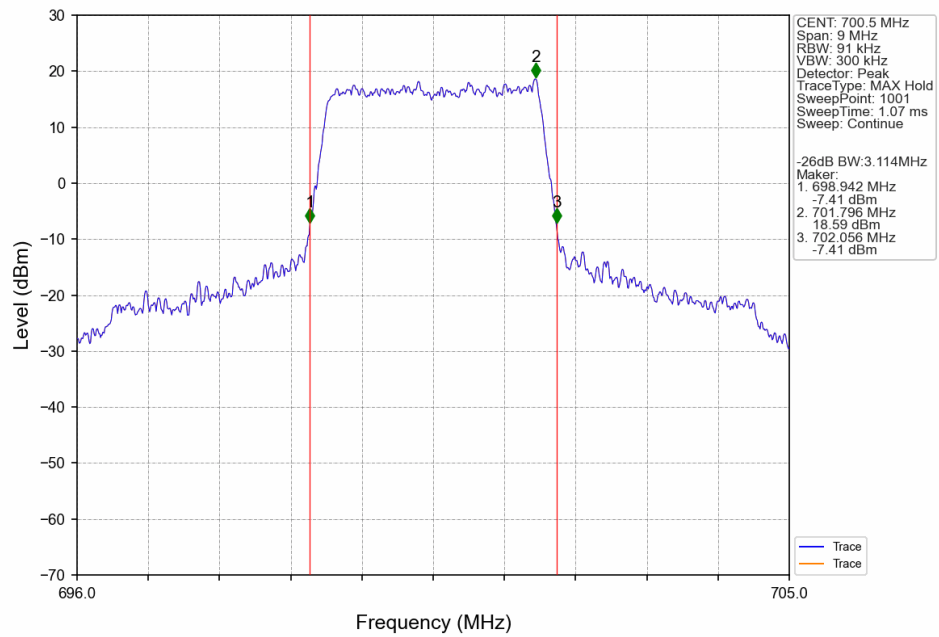
Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTNV



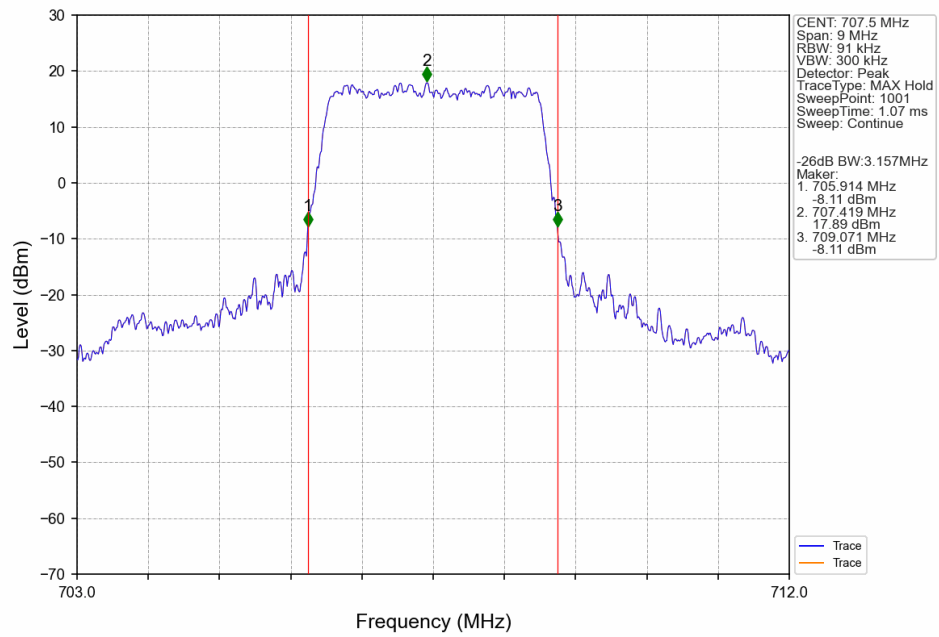
Band12 1.4MHz 64QAM HCH 715.3MHz RB 6 0 NTNV



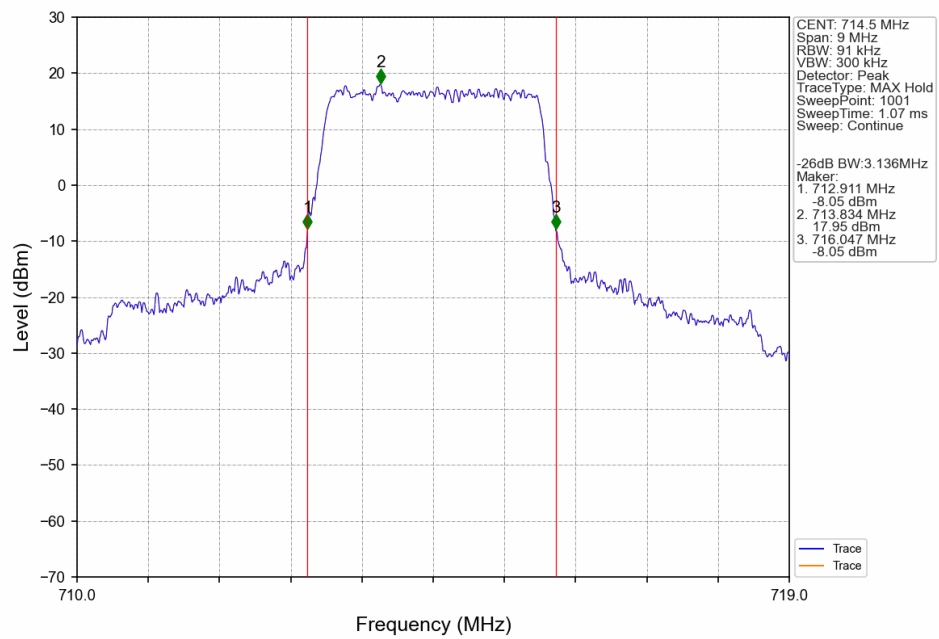
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



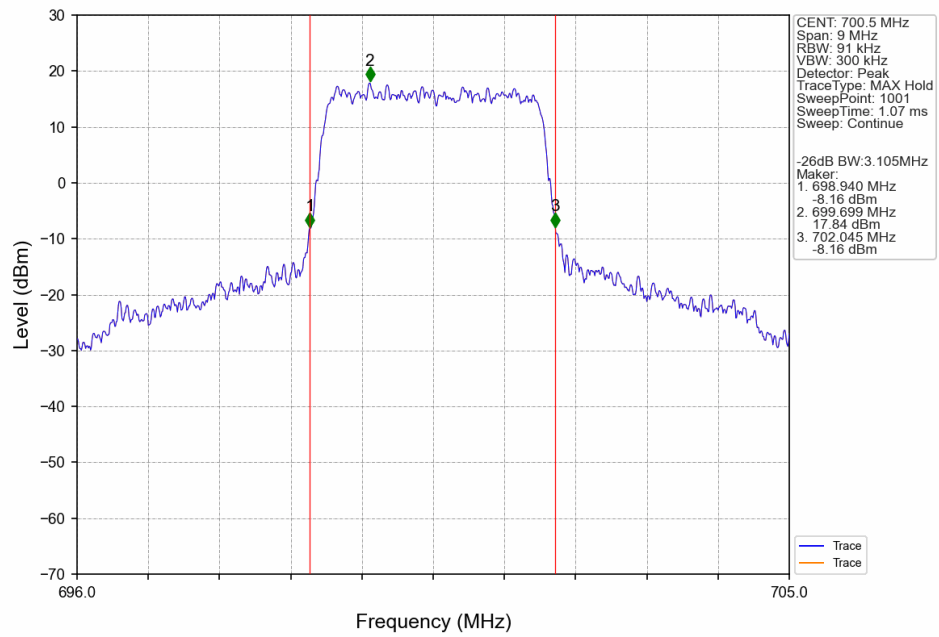
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTNV



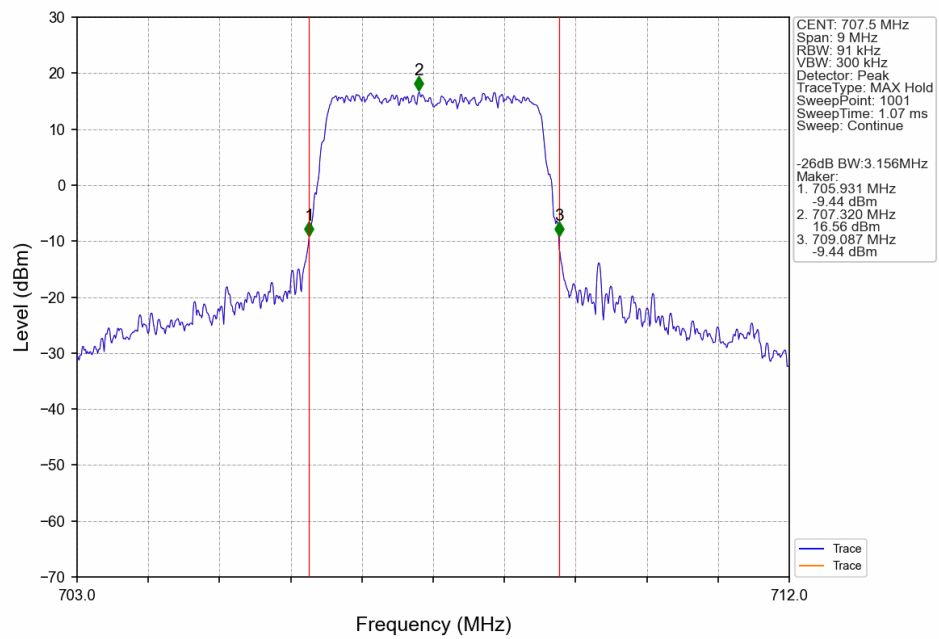
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



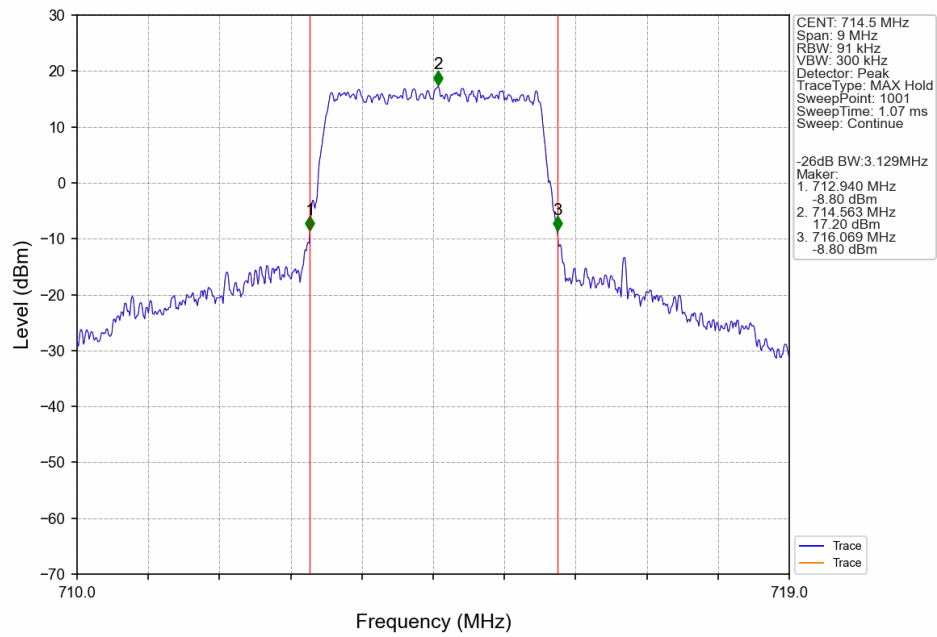
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



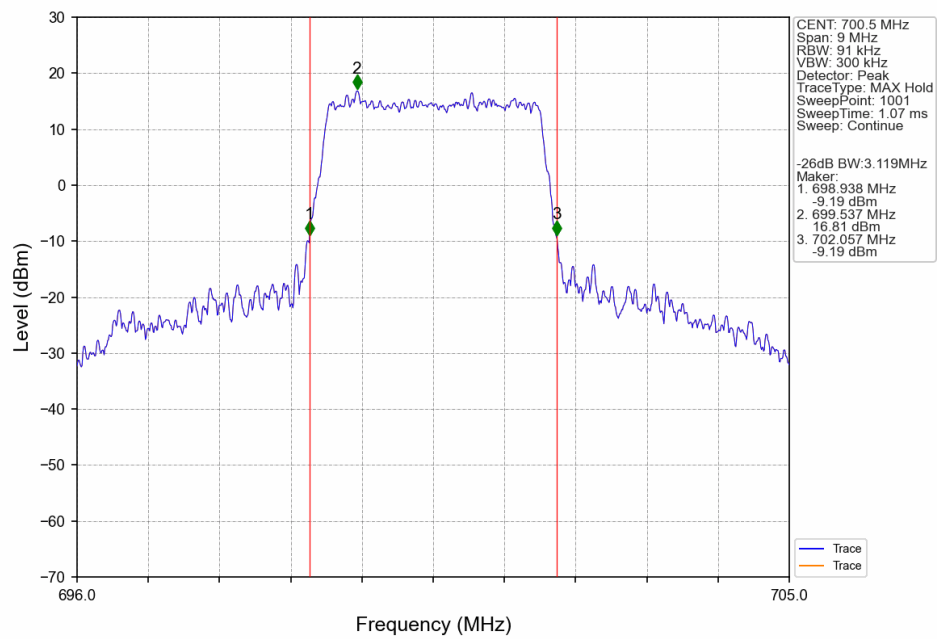
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



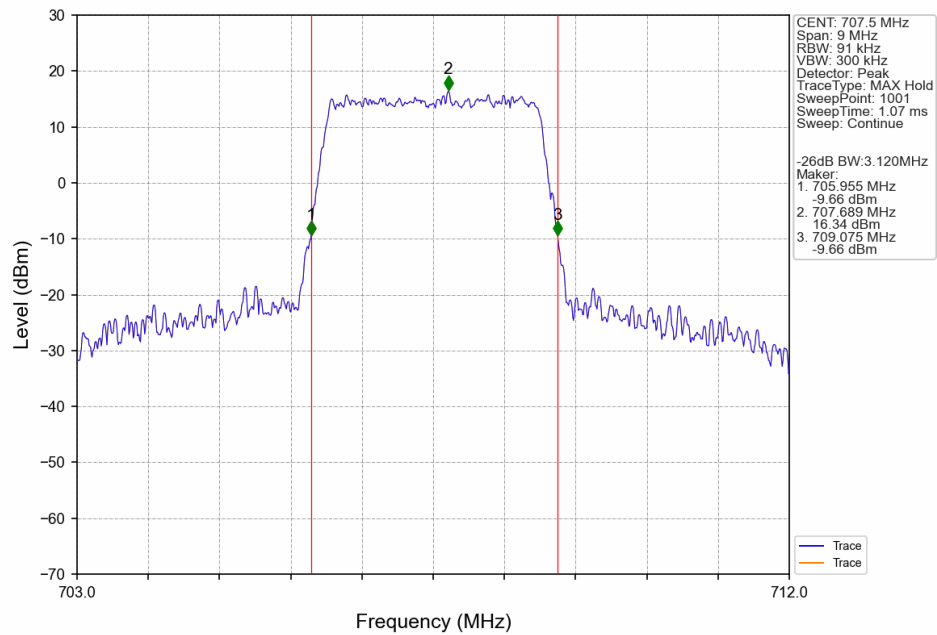
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



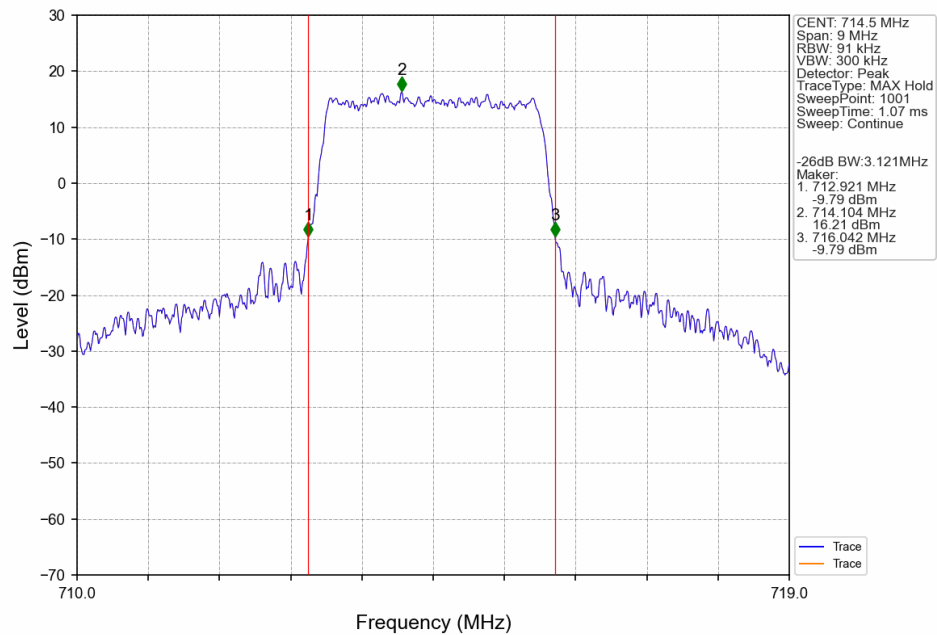
Band12 3MHz 64QAM LCH 700.5MHz RB 15 0 NTNV



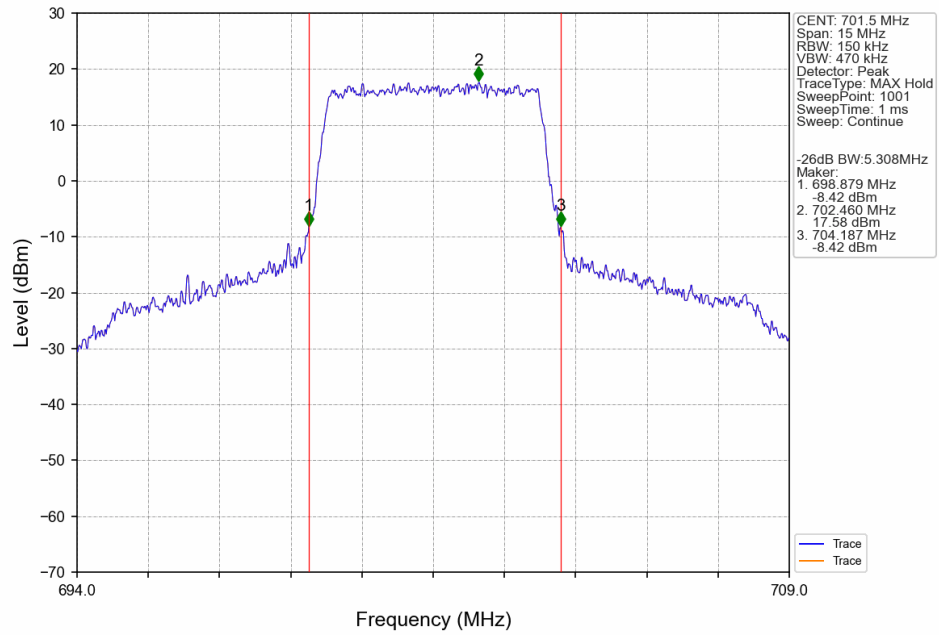
Band12 3MHz 64QAM MCH 707.5MHz RB 15 0 NTNV



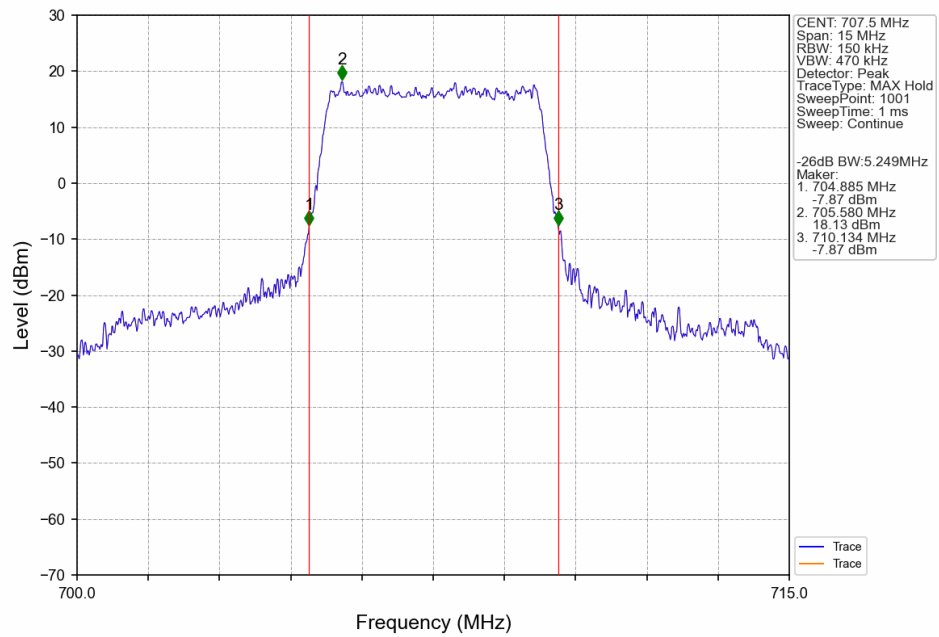
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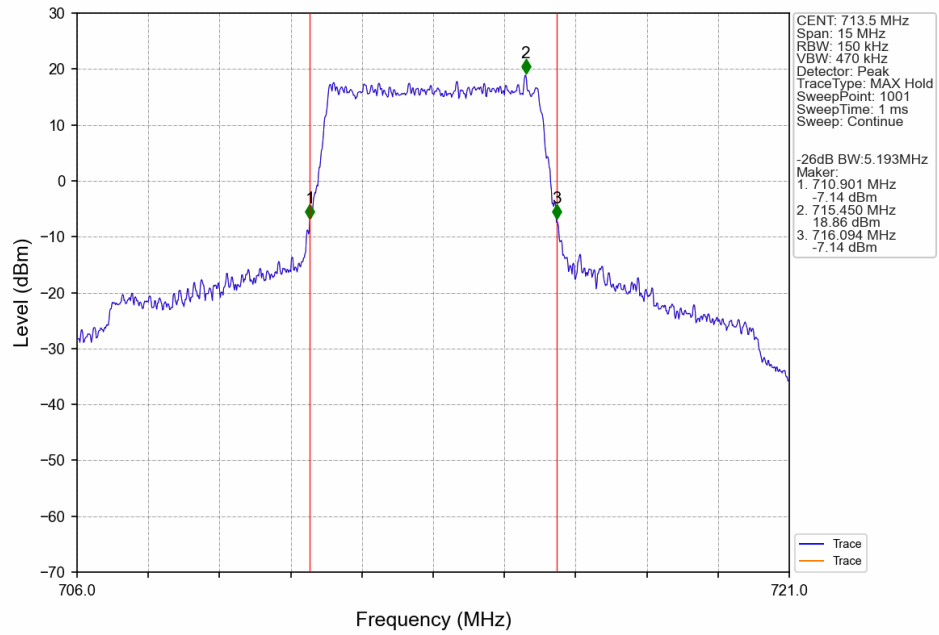
Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV



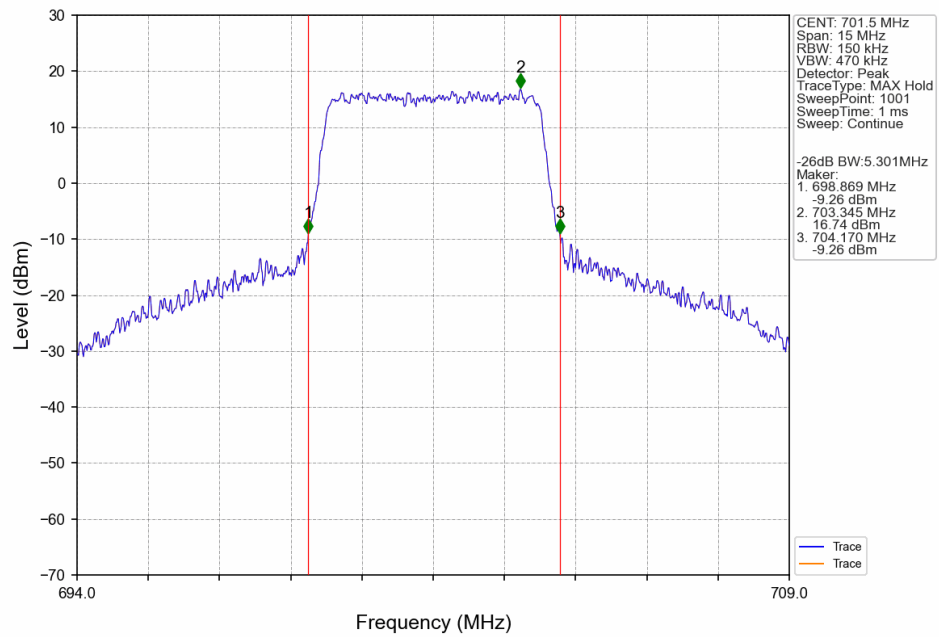
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTNV



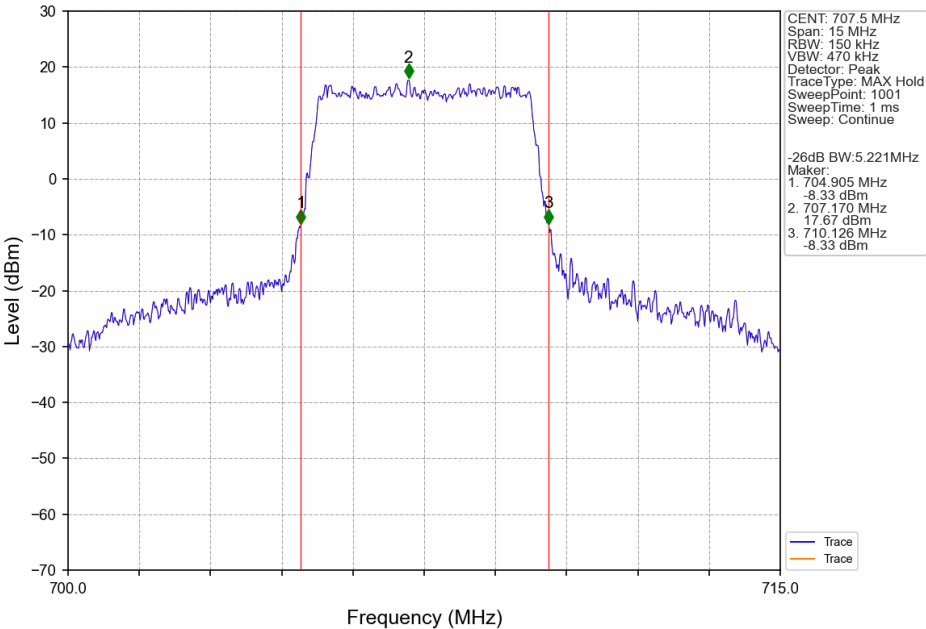
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



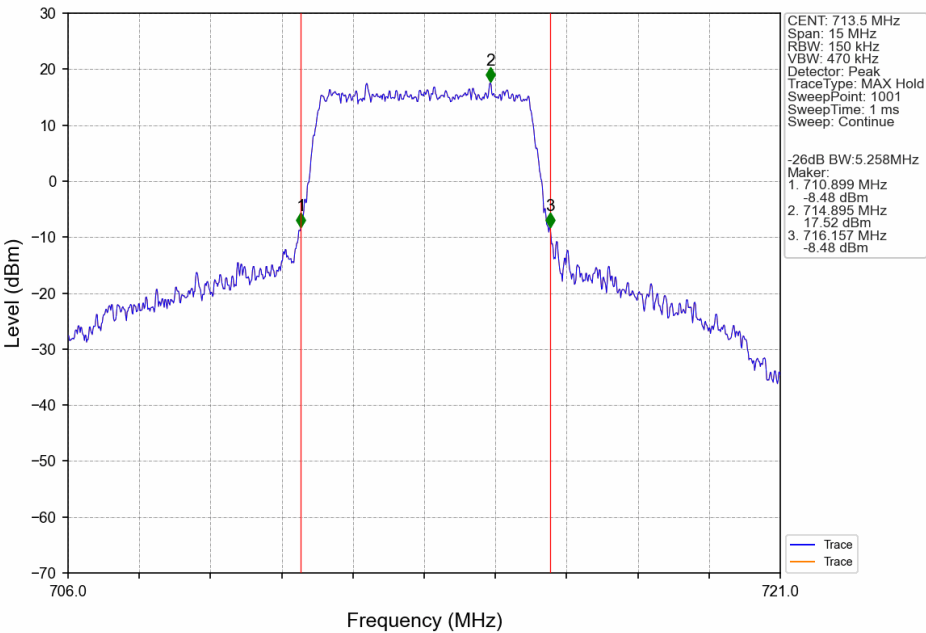
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTV



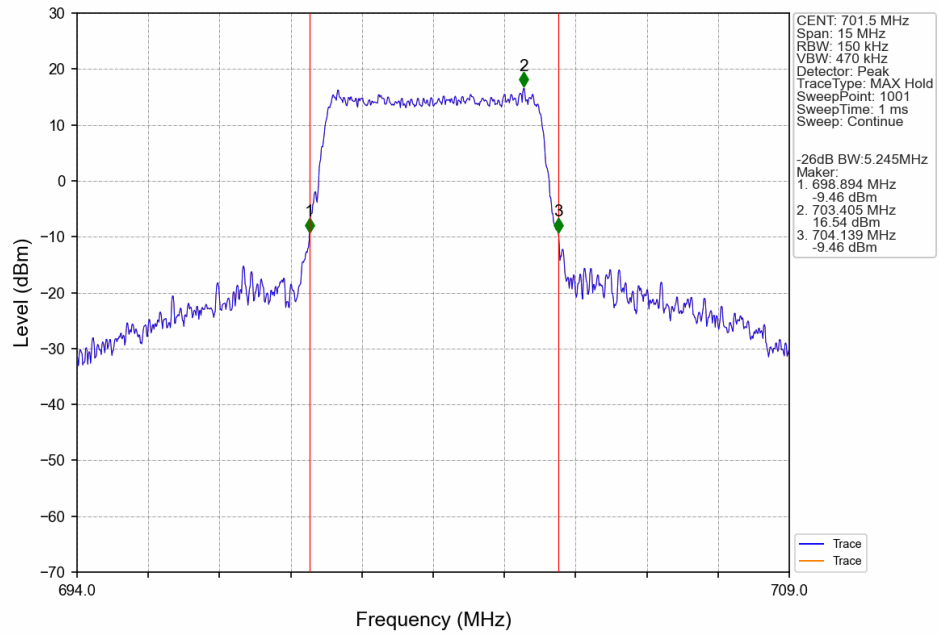
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



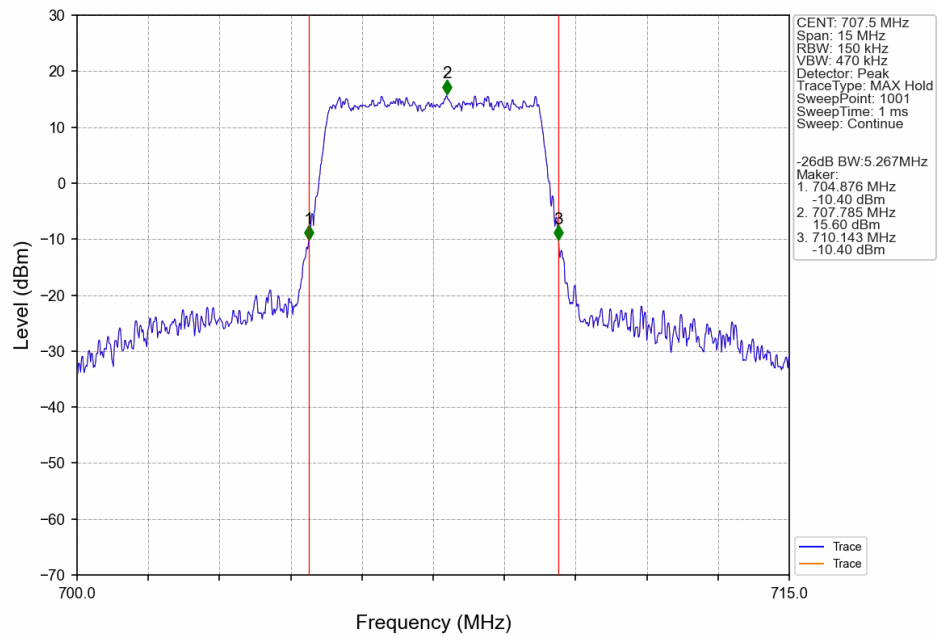
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



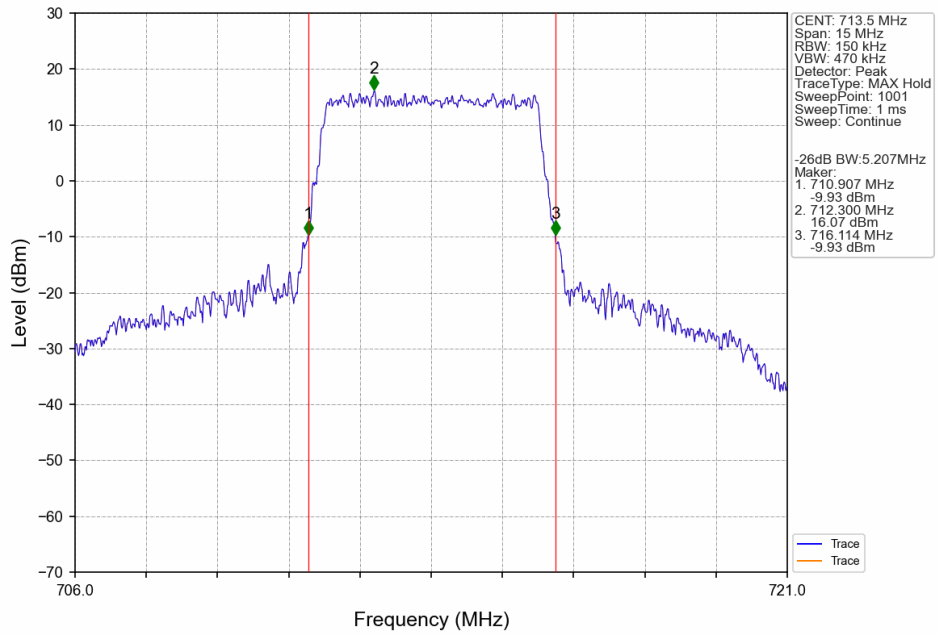
Band12 5MHz 64QAM LCH 701.5MHz RB 25 0 NTNV



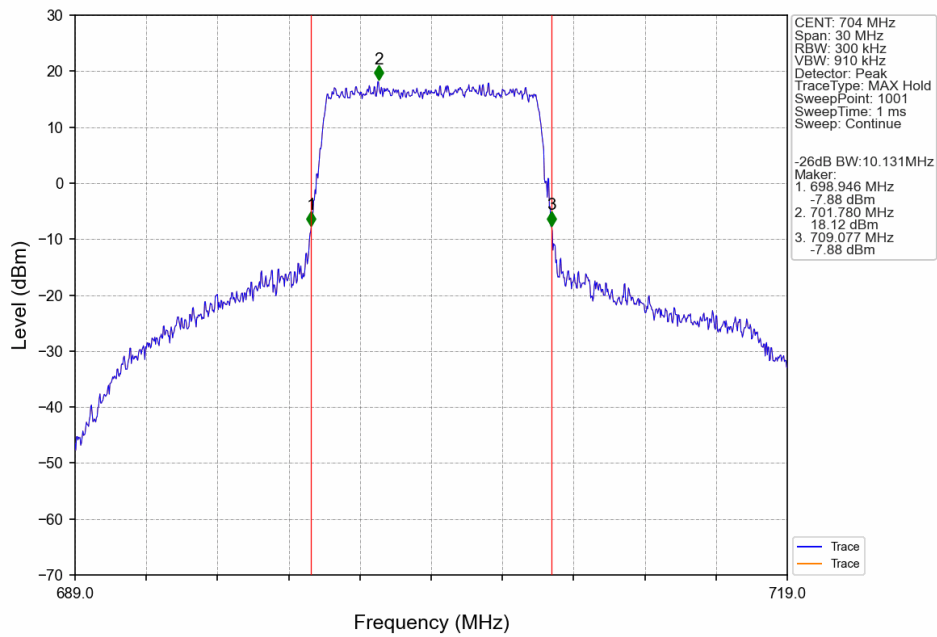
Band12 5MHz 64QAM MCH 707.5MHz RB 25 0 NTNV



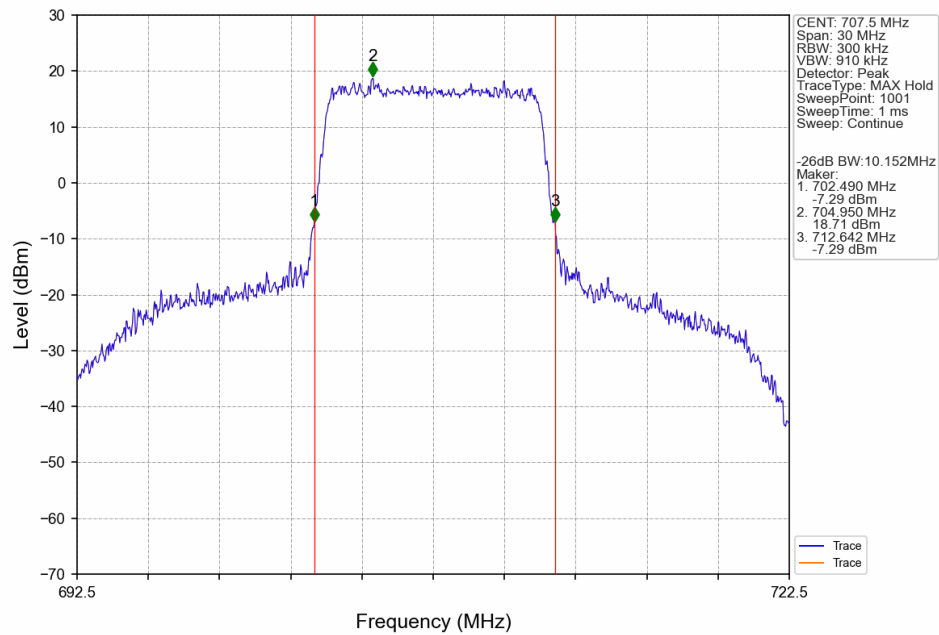
Band12 5MHz 64QAM HCH 713.5MHz RB 25 0 NTNV



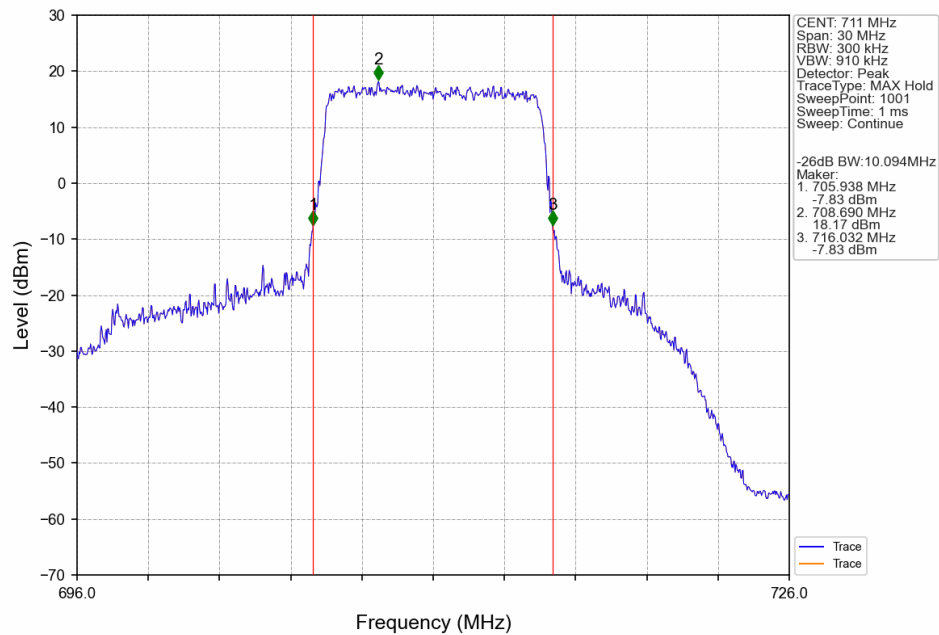
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTNV



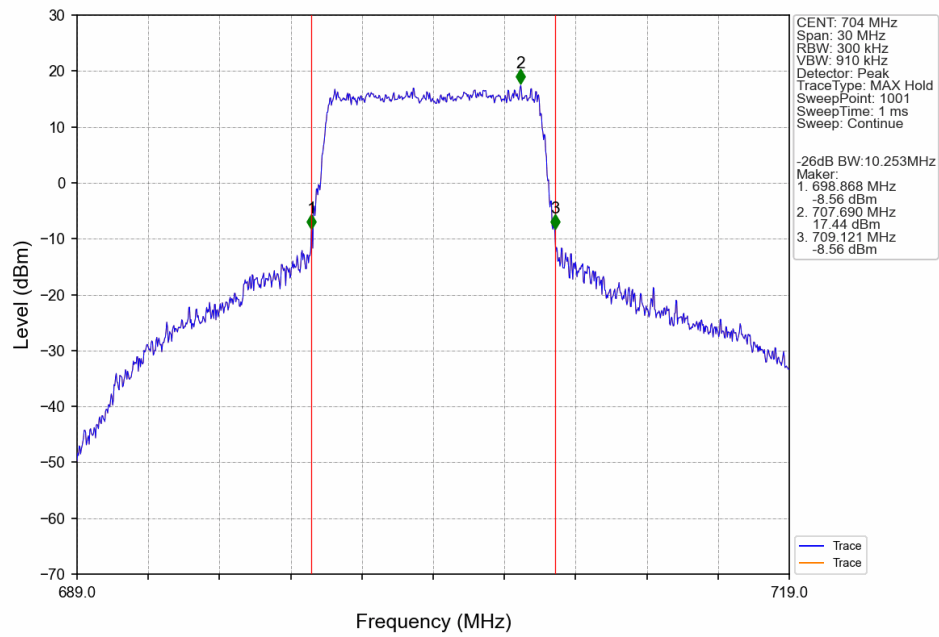
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTNV



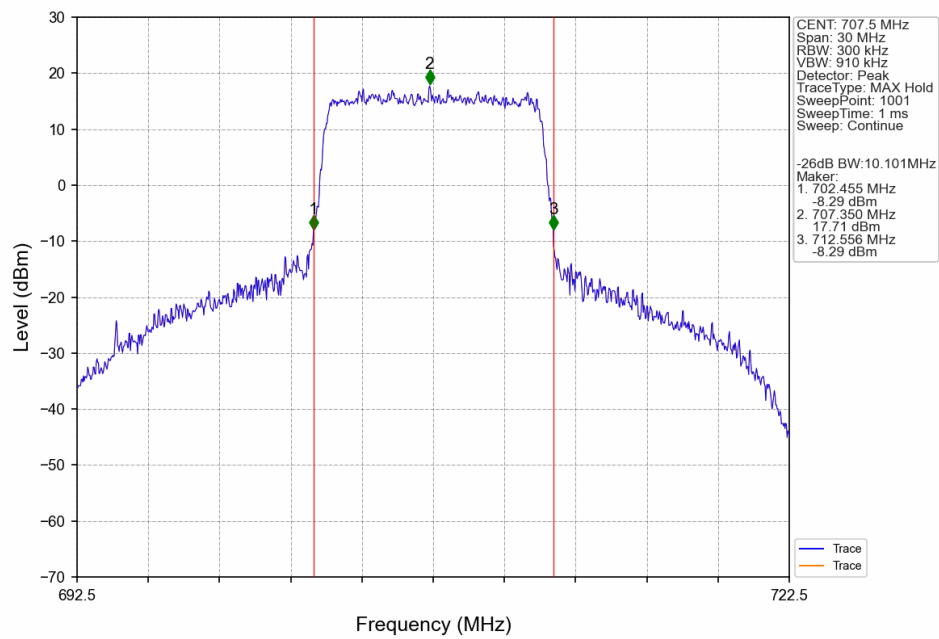
Band12 10MHz QPSK HCH 711MHz RB 50 0 NTNV



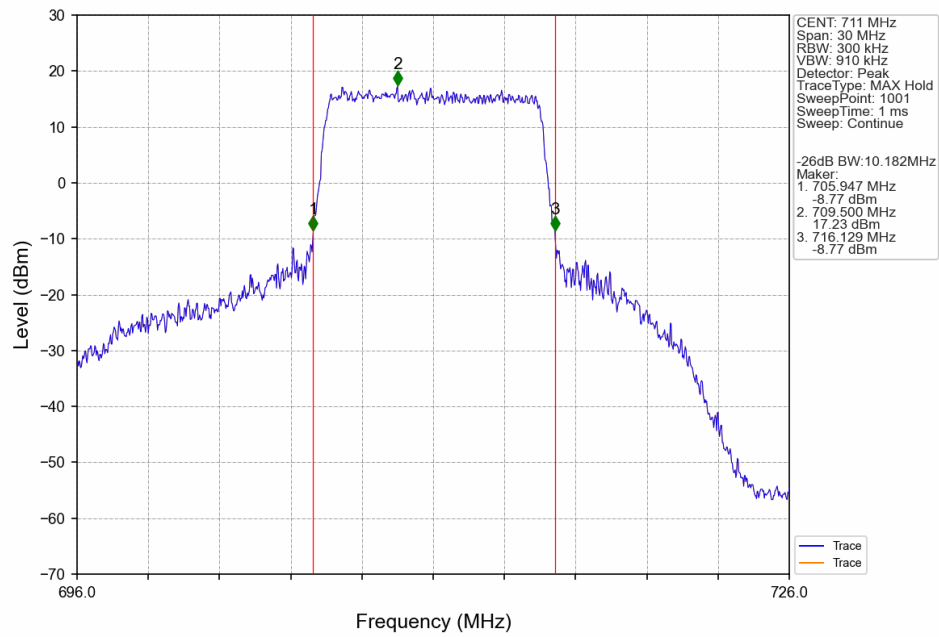
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



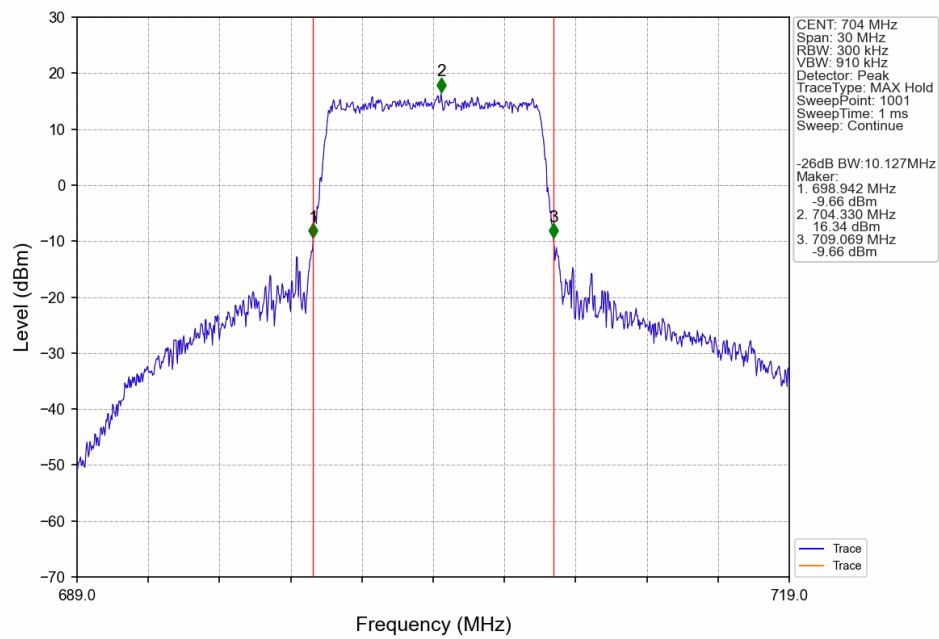
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



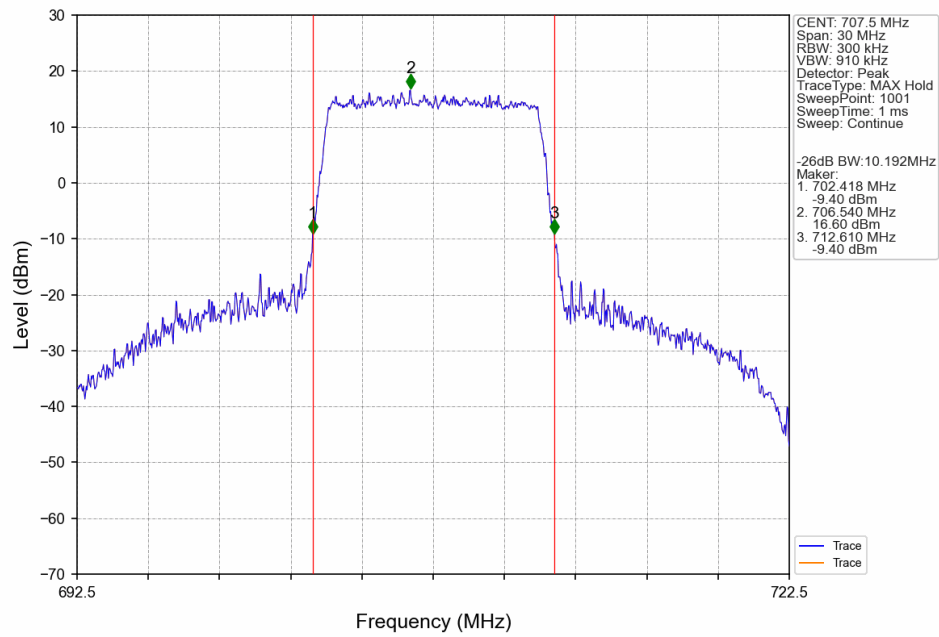
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



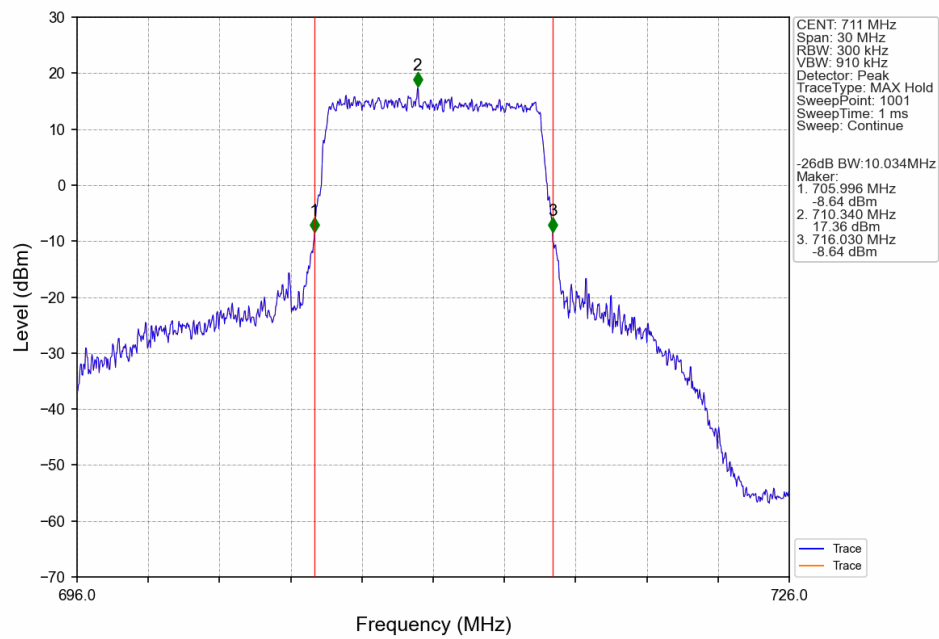
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12 10MHz 64QAM MCH 707.5MHz RB 50 0 NTN



Band12 10MHz 64QAM HCH 711MHz RB 50 0 NTN



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	4.39	<=13	Pass
	707.5	6	0	5.07	<=13	Pass
	715.3	6	0	4.34	<=13	Pass
16QAM	699.7	6	0	5.37	<=13	Pass
	707.5	6	0	6.03	<=13	Pass
	715.3	6	0	5.24	<=13	Pass
64QAM	699.7	6	0	6.10	<=13	Pass
	707.5	6	0	6.66	<=13	Pass
	715.3	6	0	5.96	<=13	Pass

4.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	4.60	<=13	Pass
	707.5	15	0	5.25	<=13	Pass
	714.5	15	0	4.58	<=13	Pass
16QAM	700.5	15	0	5.48	<=13	Pass
	707.5	15	0	6.19	<=13	Pass
	714.5	15	0	5.44	<=13	Pass
64QAM	700.5	15	0	6.12	<=13	Pass
	707.5	15	0	6.68	<=13	Pass
	714.5	15	0	6.05	<=13	Pass

4.1.3 B12_5MHz

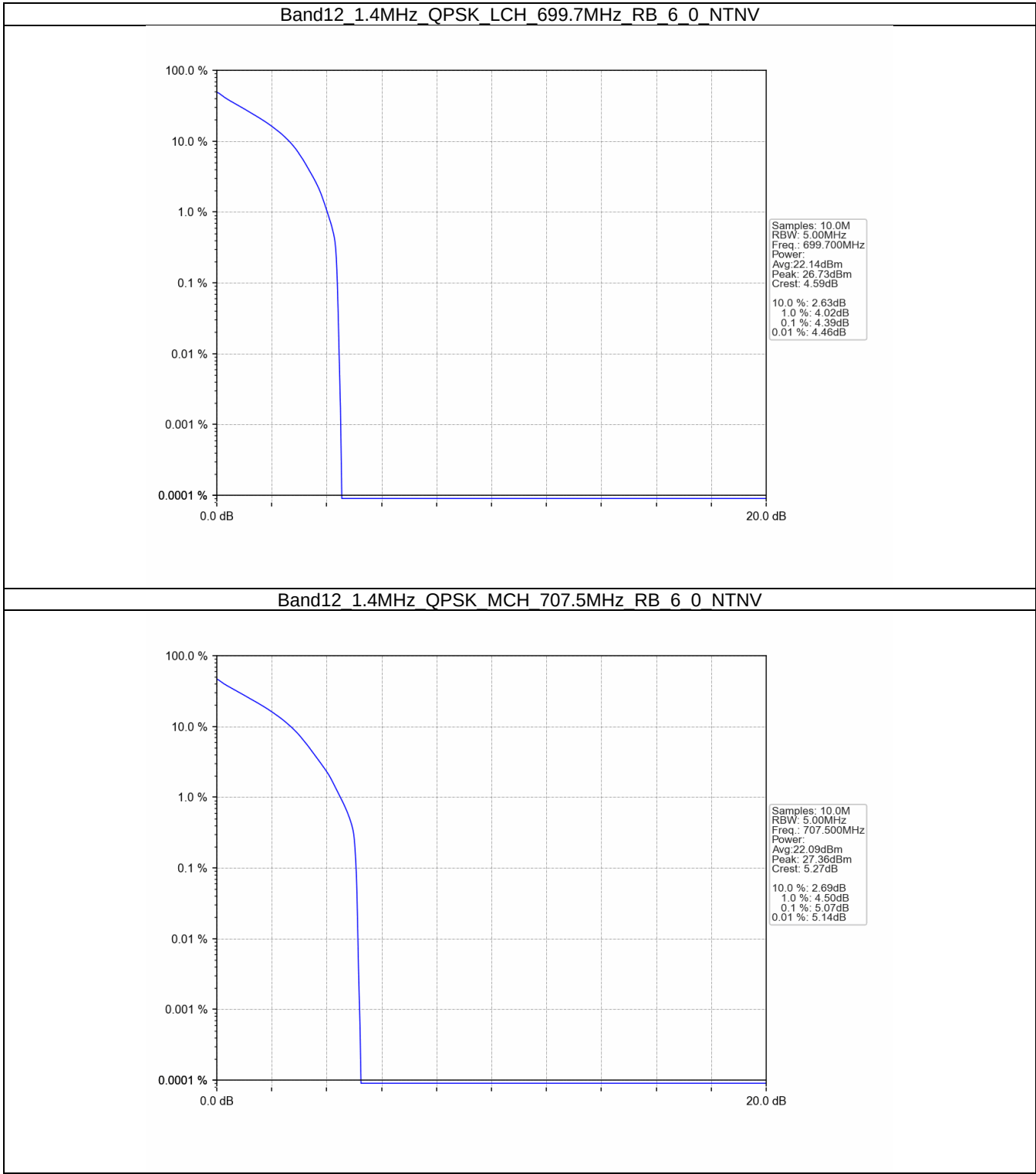
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.05	<=13	Pass
	707.5	25	0	5.41	<=13	Pass
	713.5	25	0	5.07	<=13	Pass
16QAM	701.5	25	0	5.84	<=13	Pass
	707.5	25	0	6.25	<=13	Pass
	713.5	25	0	5.86	<=13	Pass
64QAM	701.5	25	0	6.29	<=13	Pass
	707.5	25	0	6.63	<=13	Pass
	713.5	25	0	6.28	<=13	Pass

4.1.4 B12_10MHz

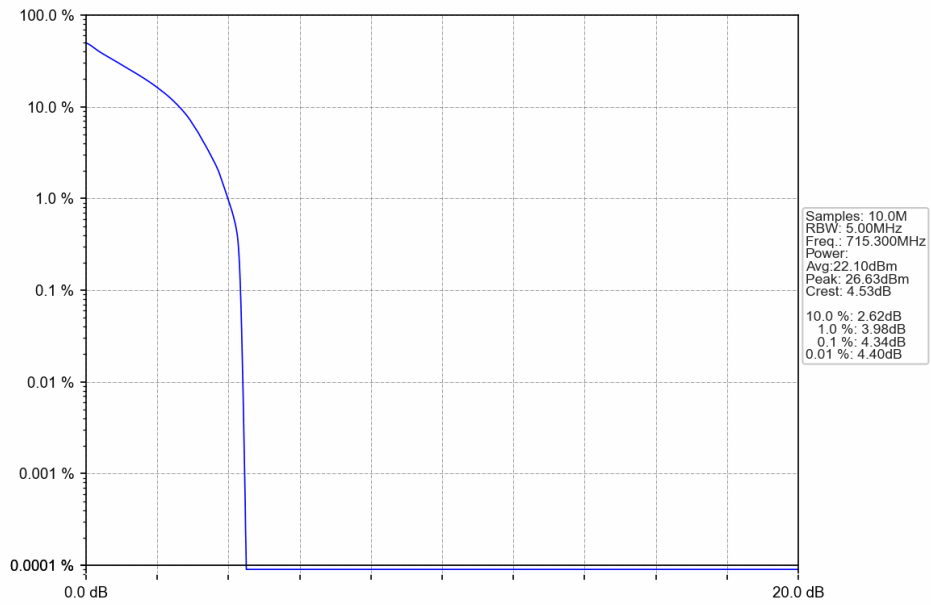
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.15	<=13	Pass
	707.5	50	0	5.19	<=13	Pass
	711	50	0	5.20	<=13	Pass
16QAM	704	50	0	5.97	<=13	Pass
	707.5	50	0	6.07	<=13	Pass
	711	50	0	6.03	<=13	Pass
64QAM	704	50	0	6.40	<=13	Pass
	707.5	50	0	6.49	<=13	Pass
	711	50	0	6.45	<=13	Pass

4.2 Test Graph

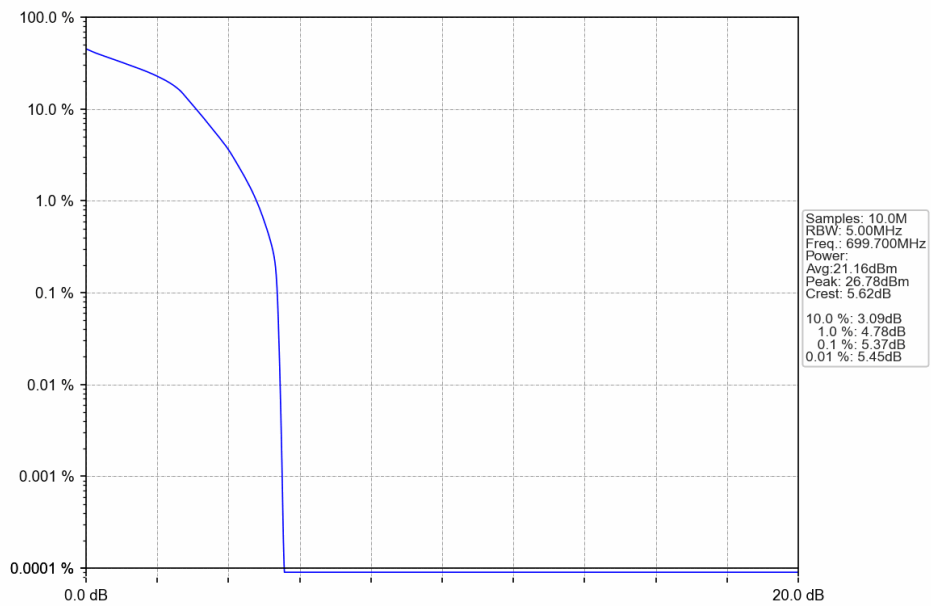
4.2.1 B12_1.4MHz



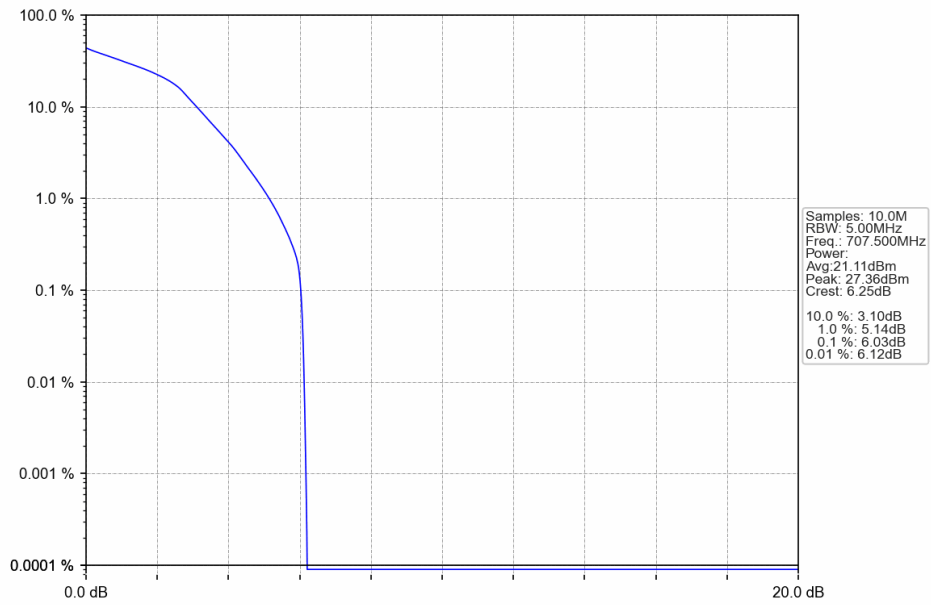
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



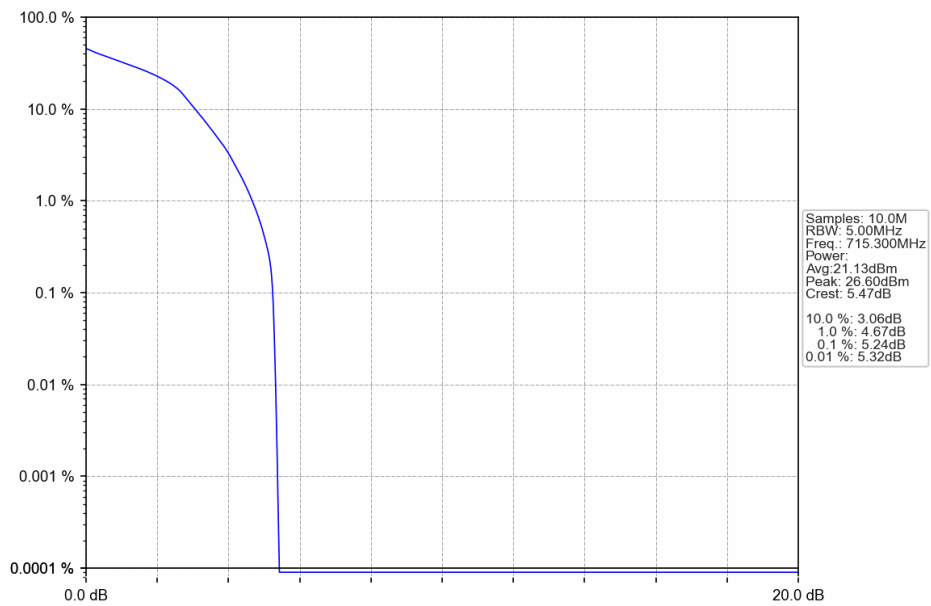
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



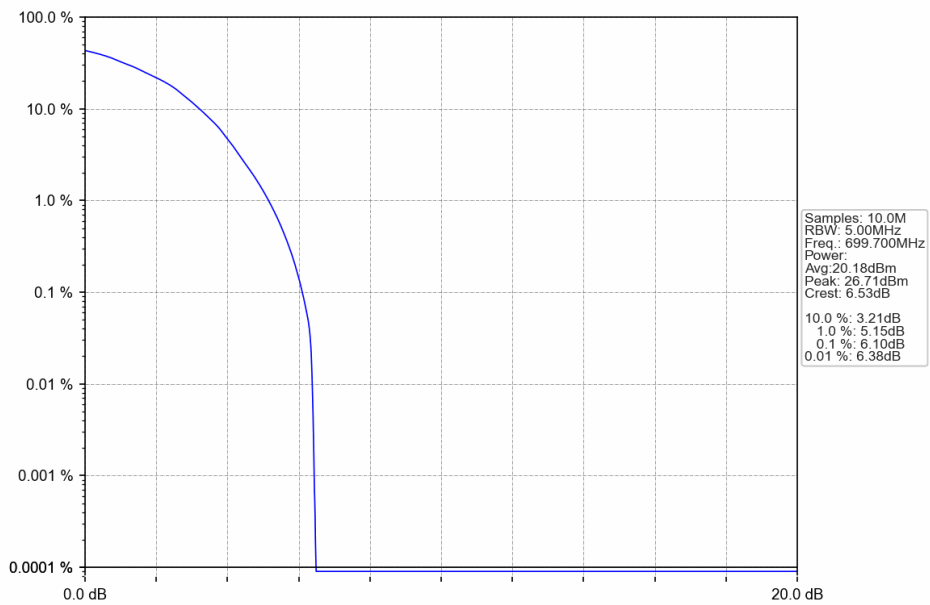
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



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



Band12 1.4MHz 64QAM LCH 699.7MHz RB 6 0 NTNV



Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTNV

