

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	24.21	-5.30	16.76	<=34.77	Pass
			2	24.23	-5.30	16.78	<=34.77	Pass
			5	24.12	-5.30	16.67	<=34.77	Pass
		3	0	24.16	-5.30	16.71	<=34.77	Pass
			2	24.20	-5.30	16.75	<=34.77	Pass
			3	24.17	-5.30	16.72	<=34.77	Pass
		6	0	23.37	-5.30	15.92	<=34.77	Pass
	707.5	1	0	24.19	-5.30	16.74	<=34.77	Pass
			2	24.20	-5.30	16.75	<=34.77	Pass
			5	24.15	-5.30	16.70	<=34.77	Pass
		3	0	24.15	-5.30	16.70	<=34.77	Pass
			2	24.15	-5.30	16.70	<=34.77	Pass
			3	24.15	-5.30	16.70	<=34.77	Pass
		6	0	23.27	-5.30	15.82	<=34.77	Pass
	715.3	1	0	24.04	-5.30	16.59	<=34.77	Pass
			2	24.09	-5.30	16.64	<=34.77	Pass
			5	24.08	-5.30	16.63	<=34.77	Pass
		3	0	24.05	-5.30	16.60	<=34.77	Pass
			2	24.01	-5.30	16.56	<=34.77	Pass
			3	24.02	-5.30	16.57	<=34.77	Pass
		6	0	23.24	-5.30	15.79	<=34.77	Pass
16QAM	699.7	1	0	23.51	-5.30	16.06	<=34.77	Pass
			2	23.45	-5.30	16.00	<=34.77	Pass
			5	23.54	-5.30	16.09	<=34.77	Pass
		3	0	23.46	-5.30	16.01	<=34.77	Pass
			2	23.44	-5.30	15.99	<=34.77	Pass
			3	23.43	-5.30	15.98	<=34.77	Pass
		6	0	22.38	-5.30	14.93	<=34.77	Pass
	707.5	1	0	23.48	-5.30	16.03	<=34.77	Pass
			2	23.53	-5.30	16.08	<=34.77	Pass
			5	23.52	-5.30	16.07	<=34.77	Pass
		3	0	23.38	-5.30	15.93	<=34.77	Pass
			2	23.39	-5.30	15.94	<=34.77	Pass
			3	23.40	-5.30	15.95	<=34.77	Pass
		6	0	22.27	-5.30	14.82	<=34.77	Pass
	715.3	1	0	23.38	-5.30	15.93	<=34.77	Pass
			2	23.45	-5.30	16.00	<=34.77	Pass
			5	23.42	-5.30	15.97	<=34.77	Pass
		3	0	23.39	-5.30	15.94	<=34.77	Pass
			2	23.40	-5.30	15.95	<=34.77	Pass
			3	23.36	-5.30	15.91	<=34.77	Pass
		6	0	22.29	-5.30	14.84	<=34.77	Pass
64QAM	699.7	1	0	22.49	-5.30	15.04	<=34.77	Pass
			2	22.54	-5.30	15.09	<=34.77	Pass
			5	22.44	-5.30	14.99	<=34.77	Pass
		3	0	22.42	-5.30	14.97	<=34.77	Pass
			2	22.46	-5.30	15.01	<=34.77	Pass
			3	22.42	-5.30	14.97	<=34.77	Pass
		6	0	21.37	-5.30	13.92	<=34.77	Pass

	707.5	1	0	22.50	-5.30	15.05	<=34.77	Pass
			2	22.52	-5.30	15.07	<=34.77	Pass
			5	22.52	-5.30	15.07	<=34.77	Pass
		3	0	22.41	-5.30	14.96	<=34.77	Pass
			2	22.46	-5.30	15.01	<=34.77	Pass
			3	22.42	-5.30	14.97	<=34.77	Pass
	715.3	6	0	21.28	-5.30	13.83	<=34.77	Pass
			0	22.48	-5.30	15.03	<=34.77	Pass
			2	22.59	-5.30	15.14	<=34.77	Pass
		1	5	22.45	-5.30	15.00	<=34.77	Pass
			0	22.34	-5.30	14.89	<=34.77	Pass
			2	22.38	-5.30	14.93	<=34.77	Pass
		3	3	22.34	-5.30	14.89	<=34.77	Pass
			0	21.24	-5.30	13.79	<=34.77	Pass
			0					

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	24.11	-5.30	16.66	<=34.77	Pass
			7	24.22	-5.30	16.77	<=34.77	Pass
			14	24.08	-5.30	16.63	<=34.77	Pass
		8	0	23.29	-5.30	15.84	<=34.77	Pass
			4	23.43	-5.30	15.98	<=34.77	Pass
			7	23.39	-5.30	15.94	<=34.77	Pass
		15	0	23.40	-5.30	15.95	<=34.77	Pass
	707.5	1	0	24.14	-5.30	16.69	<=34.77	Pass
			7	24.23	-5.30	16.78	<=34.77	Pass
			14	24.15	-5.30	16.70	<=34.77	Pass
		8	0	23.33	-5.30	15.88	<=34.77	Pass
			4	23.40	-5.30	15.95	<=34.77	Pass
			7	23.37	-5.30	15.92	<=34.77	Pass
		15	0	23.30	-5.30	15.85	<=34.77	Pass
	714.5	1	0	24.05	-5.30	16.60	<=34.77	Pass
			7	24.13	-5.30	16.68	<=34.77	Pass
			14	24.04	-5.30	16.59	<=34.77	Pass
		8	0	23.23	-5.30	15.78	<=34.77	Pass
			4	23.34	-5.30	15.89	<=34.77	Pass
			7	23.27	-5.30	15.82	<=34.77	Pass
		15	0	23.23	-5.30	15.78	<=34.77	Pass
16QAM	700.5	1	0	23.50	-5.30	16.05	<=34.77	Pass
			7	23.59	-5.30	16.14	<=34.77	Pass
			14	23.51	-5.30	16.06	<=34.77	Pass
		8	0	22.36	-5.30	14.91	<=34.77	Pass
			4	22.45	-5.30	15.00	<=34.77	Pass
			7	22.41	-5.30	14.96	<=34.77	Pass
		15	0	22.38	-5.30	14.93	<=34.77	Pass
	707.5	1	0	23.47	-5.30	16.02	<=34.77	Pass
			7	23.56	-5.30	16.11	<=34.77	Pass
			14	23.44	-5.30	15.99	<=34.77	Pass
		8	0	22.34	-5.30	14.89	<=34.77	Pass
			4	22.42	-5.30	14.97	<=34.77	Pass
			7	22.41	-5.30	14.96	<=34.77	Pass
		15	0	22.34	-5.30	14.89	<=34.77	Pass
	714.5	1	0	23.43	-5.30	15.98	<=34.77	Pass

64QAM		8	7	23.46	-5.30	16.01	<=34.77	Pass		
			14	23.35	-5.30	15.90	<=34.77	Pass		
			0	22.24	-5.30	14.79	<=34.77	Pass		
		15	4	22.38	-5.30	14.93	<=34.77	Pass		
			7	22.31	-5.30	14.86	<=34.77	Pass		
			0	22.25	-5.30	14.80	<=34.77	Pass		
	700.5	1	0	22.46	-5.30	15.01	<=34.77	Pass		
			7	22.57	-5.30	15.12	<=34.77	Pass		
			14	22.42	-5.30	14.97	<=34.77	Pass		
		8	0	21.37	-5.30	13.92	<=34.77	Pass		
			4	21.49	-5.30	14.04	<=34.77	Pass		
			7	21.38	-5.30	13.93	<=34.77	Pass		
		15	0	21.43	-5.30	13.98	<=34.77	Pass		
		707.5	1	0	22.41	-5.30	14.96	<=34.77	Pass	
				7	22.64	-5.30	15.19	<=34.77	Pass	
				14	22.50	-5.30	15.05	<=34.77	Pass	
			8	0	21.30	-5.30	13.85	<=34.77	Pass	
				4	21.49	-5.30	14.04	<=34.77	Pass	
				7	21.40	-5.30	13.95	<=34.77	Pass	
			15	0	21.34	-5.30	13.89	<=34.77	Pass	
			714.5	1	0	22.44	-5.30	14.99	<=34.77	Pass
					7	22.57	-5.30	15.12	<=34.77	Pass
		14			22.48	-5.30	15.03	<=34.77	Pass	
		8		0	21.25	-5.30	13.80	<=34.77	Pass	
	4			21.31	-5.30	13.86	<=34.77	Pass		
	7			21.41	-5.30	13.96	<=34.77	Pass		
	15	0		21.24	-5.30	13.79	<=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	24.18	-5.30	16.73	<=34.77	Pass
			13	24.33	-5.30	16.88	<=34.77	Pass
			24	24.18	-5.30	16.73	<=34.77	Pass
		12	0	23.35	-5.30	15.90	<=34.77	Pass
			6	23.45	-5.30	16.00	<=34.77	Pass
			13	23.39	-5.30	15.94	<=34.77	Pass
		25	0	23.38	-5.30	15.93	<=34.77	Pass
	707.5	1	0	24.16	-5.30	16.71	<=34.77	Pass
			13	24.24	-5.30	16.79	<=34.77	Pass
			24	24.15	-5.30	16.70	<=34.77	Pass
		12	0	23.34	-5.30	15.89	<=34.77	Pass
			6	23.34	-5.30	15.89	<=34.77	Pass
			13	23.40	-5.30	15.95	<=34.77	Pass
		25	0	23.31	-5.30	15.86	<=34.77	Pass
	713.5	1	0	24.10	-5.30	16.65	<=34.77	Pass
			13	24.27	-5.30	16.82	<=34.77	Pass
			24	24.10	-5.30	16.65	<=34.77	Pass
		12	0	23.28	-5.30	15.83	<=34.77	Pass
			6	23.33	-5.30	15.88	<=34.77	Pass
			13	23.30	-5.30	15.85	<=34.77	Pass
		25	0	23.31	-5.30	15.86	<=34.77	Pass
16QAM	701.5	1	0	23.49	-5.30	16.04	<=34.77	Pass
			13	23.55	-5.30	16.10	<=34.77	Pass

		12	24	23.42	-5.30	15.97	<=34.77	Pass	
			0	22.33	-5.30	14.88	<=34.77	Pass	
			6	22.46	-5.30	15.01	<=34.77	Pass	
			13	22.34	-5.30	14.89	<=34.77	Pass	
		25	0	22.40	-5.30	14.95	<=34.77	Pass	
	707.5	1	0	23.53	-5.30	16.08	<=34.77	Pass	
			13	23.60	-5.30	16.15	<=34.77	Pass	
			24	23.49	-5.30	16.04	<=34.77	Pass	
		12	0	22.34	-5.30	14.89	<=34.77	Pass	
			6	22.37	-5.30	14.92	<=34.77	Pass	
			13	22.40	-5.30	14.95	<=34.77	Pass	
		25	0	22.36	-5.30	14.91	<=34.77	Pass	
		713.5	1	0	23.50	-5.30	16.05	<=34.77	Pass
	13			23.58	-5.30	16.13	<=34.77	Pass	
	24			23.41	-5.30	15.96	<=34.77	Pass	
	12		0	22.18	-5.30	14.73	<=34.77	Pass	
			6	22.44	-5.30	14.99	<=34.77	Pass	
			13	22.29	-5.30	14.84	<=34.77	Pass	
	25	0	22.33	-5.30	14.88	<=34.77	Pass		
	64QAM	701.5	1	0	22.53	-5.30	15.08	<=34.77	Pass
				13	22.55	-5.30	15.10	<=34.77	Pass
24				22.54	-5.30	15.09	<=34.77	Pass	
12			0	21.33	-5.30	13.88	<=34.77	Pass	
			6	21.46	-5.30	14.01	<=34.77	Pass	
			13	21.41	-5.30	13.96	<=34.77	Pass	
25			0	21.43	-5.30	13.98	<=34.77	Pass	
707.5		1	0	22.55	-5.30	15.10	<=34.77	Pass	
			13	22.62	-5.30	15.17	<=34.77	Pass	
			24	22.46	-5.30	15.01	<=34.77	Pass	
		12	0	21.37	-5.30	13.92	<=34.77	Pass	
			6	21.38	-5.30	13.93	<=34.77	Pass	
			13	21.39	-5.30	13.94	<=34.77	Pass	
25		0	21.34	-5.30	13.89	<=34.77	Pass		
713.5		1	0	22.34	-5.30	14.89	<=34.77	Pass	
			13	22.52	-5.30	15.07	<=34.77	Pass	
			24	22.30	-5.30	14.85	<=34.77	Pass	
		12	0	21.29	-5.30	13.84	<=34.77	Pass	
			6	21.38	-5.30	13.93	<=34.77	Pass	
			13	21.33	-5.30	13.88	<=34.77	Pass	
		25	0	21.30	-5.30	13.85	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	24.25	-5.30	16.80	<=34.77	Pass
			25	24.23	-5.30	16.78	<=34.77	Pass
			49	24.08	-5.30	16.63	<=34.77	Pass
		25	0	23.41	-5.30	15.96	<=34.77	Pass
			13	23.46	-5.30	16.01	<=34.77	Pass
			25	23.37	-5.30	15.92	<=34.77	Pass
		50	0	23.44	-5.30	15.99	<=34.77	Pass
	707.5	1	0	24.25	-5.30	16.80	<=34.77	Pass
			25	24.23	-5.30	16.78	<=34.77	Pass
			49	24.06	-5.30	16.61	<=34.77	Pass

		25	0	23.35	-5.30	15.90	<=34.77	Pass			
			13	23.45	-5.30	16.00	<=34.77	Pass			
			25	23.35	-5.30	15.90	<=34.77	Pass			
		711	50	0	23.36	-5.30	15.91	<=34.77	Pass		
				1	0	24.26	-5.30	16.81	<=34.77	Pass	
					25	24.21	-5.30	16.76	<=34.77	Pass	
			49		24.05	-5.30	16.60	<=34.77	Pass		
			25	0	23.35	-5.30	15.90	<=34.77	Pass		
				13	23.41	-5.30	15.96	<=34.77	Pass		
	25	23.34		-5.30	15.89	<=34.77	Pass				
	50	0	23.38	-5.30	15.93	<=34.77	Pass				
	16QAM	704	1	0	23.62	-5.30	16.17	<=34.77	Pass		
25				23.58	-5.30	16.13	<=34.77	Pass			
49				23.43	-5.30	15.98	<=34.77	Pass			
25			0	22.41	-5.30	14.96	<=34.77	Pass			
			13	22.49	-5.30	15.04	<=34.77	Pass			
			25	22.42	-5.30	14.97	<=34.77	Pass			
			50	0	22.43	-5.30	14.98	<=34.77	Pass		
			707.5	1	0	23.66	-5.30	16.21	<=34.77	Pass	
					25	23.53	-5.30	16.08	<=34.77	Pass	
49		23.46			-5.30	16.01	<=34.77	Pass			
25		0		22.41	-5.30	14.96	<=34.77	Pass			
		13		22.44	-5.30	14.99	<=34.77	Pass			
		25		22.38	-5.30	14.93	<=34.77	Pass			
50		0	22.30	-5.30	14.85	<=34.77	Pass				
711		1	0	23.63	-5.30	16.18	<=34.77	Pass			
			25	23.52	-5.30	16.07	<=34.77	Pass			
			49	23.34	-5.30	15.89	<=34.77	Pass			
		25	0	22.37	-5.30	14.92	<=34.77	Pass			
			13	22.41	-5.30	14.96	<=34.77	Pass			
			25	22.34	-5.30	14.89	<=34.77	Pass			
			50	0	22.36	-5.30	14.91	<=34.77	Pass		
			64QAM	704	1	0	22.57	-5.30	15.12	<=34.77	Pass
						25	22.56	-5.30	15.11	<=34.77	Pass
49		22.42				-5.30	14.97	<=34.77	Pass		
25	0	21.40			-5.30	13.95	<=34.77	Pass			
	13	21.44			-5.30	13.99	<=34.77	Pass			
	25	21.39			-5.30	13.94	<=34.77	Pass			
	50	0			21.43	-5.30	13.98	<=34.77	Pass		
	707.5	1			0	22.71	-5.30	15.26	<=34.77	Pass	
					25	22.57	-5.30	15.12	<=34.77	Pass	
49				22.38	-5.30	14.93	<=34.77	Pass			
25		0		21.38	-5.30	13.93	<=34.77	Pass			
		13		21.43	-5.30	13.98	<=34.77	Pass			
		25	21.35	-5.30	13.90	<=34.77	Pass				
50	0	21.33	-5.30	13.88	<=34.77	Pass					
711	1	0	22.68	-5.30	15.23	<=34.77	Pass				
		25	22.65	-5.30	15.20	<=34.77	Pass				
		49	22.47	-5.30	15.02	<=34.77	Pass				
	25	0	21.36	-5.30	13.91	<=34.77	Pass				
		13	21.39	-5.30	13.94	<=34.77	Pass				
		25	21.33	-5.30	13.88	<=34.77	Pass				
		50	0	21.36	-5.30	13.91	<=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	-15.659	-0.0224	-2.5 to 2.5	Pass
					3.92	-7.423	-0.0106	-2.5 to 2.5	Pass
					4.53	-3.131	-0.0045	-2.5 to 2.5	Pass
				-30	3.92	-1.261	-0.0018	-2.5 to 2.5	Pass
				-20	3.92	-0.636	-0.0009	-2.5 to 2.5	Pass
				-10	3.92	-0.283	-0.0004	-2.5 to 2.5	Pass
				0	3.92	-1.379	-0.0020	-2.5 to 2.5	Pass
				10	3.92	-0.208	-0.0003	-2.5 to 2.5	Pass
				30	3.92	-0.553	-0.0008	-2.5 to 2.5	Pass
				40	3.92	-0.729	-0.0010	-2.5 to 2.5	Pass
				50	3.92	-0.506	-0.0007	-2.5 to 2.5	Pass
	707.5	6	0	20	3.6	14.433	0.0204	-2.5 to 2.5	Pass
					3.92	7.961	0.0113	-2.5 to 2.5	Pass
					4.53	4.741	0.0067	-2.5 to 2.5	Pass
				-30	3.92	1.427	0.0020	-2.5 to 2.5	Pass
				-20	3.92	0.433	0.0006	-2.5 to 2.5	Pass
				-10	3.92	0.558	0.0008	-2.5 to 2.5	Pass
				0	3.92	0.624	0.0009	-2.5 to 2.5	Pass
				10	3.92	-0.126	-0.0002	-2.5 to 2.5	Pass
				30	3.92	-0.525	-0.0007	-2.5 to 2.5	Pass
				40	3.92	-0.163	-0.0002	-2.5 to 2.5	Pass
				50	3.92	-0.107	-0.0002	-2.5 to 2.5	Pass
	715.3	6	0	20	3.6	-15.781	-0.0221	-2.5 to 2.5	Pass
					3.92	-7.236	-0.0101	-2.5 to 2.5	Pass
					4.53	-3.307	-0.0046	-2.5 to 2.5	Pass
				-30	3.92	-2.232	-0.0031	-2.5 to 2.5	Pass
				-20	3.92	-0.772	-0.0011	-2.5 to 2.5	Pass
				-10	3.92	-0.725	-0.0010	-2.5 to 2.5	Pass
				0	3.92	-0.779	-0.0011	-2.5 to 2.5	Pass
				10	3.92	-0.769	-0.0011	-2.5 to 2.5	Pass
				30	3.92	-0.798	-0.0011	-2.5 to 2.5	Pass
				40	3.92	-0.806	-0.0011	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.6	-1.625	-0.0023	-2.5 to 2.5	Pass
					3.92	-1.000	-0.0014	-2.5 to 2.5	Pass
					4.53	-1.035	-0.0015	-2.5 to 2.5	Pass
				-30	3.92	-0.213	-0.0003	-2.5 to 2.5	Pass
				-20	3.92	-0.635	-0.0009	-2.5 to 2.5	Pass
				-10	3.92	-0.668	-0.0010	-2.5 to 2.5	Pass
				0	3.92	0.067	0.0001	-2.5 to 2.5	Pass
				10	3.92	-0.186	-0.0003	-2.5 to 2.5	Pass
				30	3.92	-0.086	-0.0001	-2.5 to 2.5	Pass
				40	3.92	-0.122	-0.0002	-2.5 to 2.5	Pass
				50	3.92	-0.442	-0.0006	-2.5 to 2.5	Pass
	707.5	6	0	20	3.6	-0.927	-0.0013	-2.5 to 2.5	Pass
					3.92	-0.202	-0.0003	-2.5 to 2.5	Pass
					4.53	-1.374	-0.0019	-2.5 to 2.5	Pass
				-30	3.92	-0.060	-0.0001	-2.5 to 2.5	Pass
				-20	3.92	-0.004	0.0000	-2.5 to 2.5	Pass

				-10	3.92	-0.185	-0.0003	-2.5 to 2.5	Pass
				0	3.92	-0.249	-0.0004	-2.5 to 2.5	Pass
				10	3.92	0.444	0.0006	-2.5 to 2.5	Pass
				30	3.92	0.210	0.0003	-2.5 to 2.5	Pass
				40	3.92	-0.232	-0.0003	-2.5 to 2.5	Pass
				50	3.92	-0.557	-0.0008	-2.5 to 2.5	Pass
	715.3	6	0	20	3.6	-0.581	-0.0008	-2.5 to 2.5	Pass
					3.92	-0.421	-0.0006	-2.5 to 2.5	Pass
					4.53	-0.746	-0.0010	-2.5 to 2.5	Pass
				-30	3.92	-0.281	-0.0004	-2.5 to 2.5	Pass
				-20	3.92	-0.709	-0.0010	-2.5 to 2.5	Pass
				-10	3.92	-0.562	-0.0008	-2.5 to 2.5	Pass
				0	3.92	-0.094	-0.0001	-2.5 to 2.5	Pass
				10	3.92	-1.116	-0.0016	-2.5 to 2.5	Pass
				30	3.92	-0.346	-0.0005	-2.5 to 2.5	Pass
				40	3.92	-0.342	-0.0005	-2.5 to 2.5	Pass
64QAM	699.7	6	0	20	3.6	-0.492	-0.0007	-2.5 to 2.5	Pass
					3.92	-0.572	-0.0008	-2.5 to 2.5	Pass
					4.53	-0.280	-0.0004	-2.5 to 2.5	Pass
				-30	3.92	-0.249	-0.0004	-2.5 to 2.5	Pass
				-20	3.92	-1.287	-0.0018	-2.5 to 2.5	Pass
				-10	3.92	-1.483	-0.0021	-2.5 to 2.5	Pass
				0	3.92	-0.323	-0.0005	-2.5 to 2.5	Pass
				10	3.92	-1.273	-0.0018	-2.5 to 2.5	Pass
				30	3.92	-0.549	-0.0008	-2.5 to 2.5	Pass
				40	3.92	-0.228	-0.0003	-2.5 to 2.5	Pass
	707.5	6	0	20	3.6	-0.514	-0.0007	-2.5 to 2.5	Pass
					3.92	-0.752	-0.0011	-2.5 to 2.5	Pass
					4.53	0.362	0.0005	-2.5 to 2.5	Pass
				-30	3.92	-0.590	-0.0008	-2.5 to 2.5	Pass
				-20	3.92	0.025	0.0000	-2.5 to 2.5	Pass
				-10	3.92	-0.515	-0.0007	-2.5 to 2.5	Pass
				0	3.92	0.250	0.0004	-2.5 to 2.5	Pass
				10	3.92	0.327	0.0005	-2.5 to 2.5	Pass
				30	3.92	-0.246	-0.0003	-2.5 to 2.5	Pass
				40	3.92	-0.375	-0.0005	-2.5 to 2.5	Pass
	715.3	6	0	20	3.6	-0.490	-0.0007	-2.5 to 2.5	Pass
					3.92	-0.528	-0.0007	-2.5 to 2.5	Pass
					4.53	-1.414	-0.0020	-2.5 to 2.5	Pass
				-30	3.92	-0.441	-0.0006	-2.5 to 2.5	Pass
				-20	3.92	-0.689	-0.0010	-2.5 to 2.5	Pass
				-10	3.92	-0.336	-0.0005	-2.5 to 2.5	Pass
				0	3.92	-0.572	-0.0008	-2.5 to 2.5	Pass
				10	3.92	1.066	0.0015	-2.5 to 2.5	Pass
				30	3.92	-0.672	-0.0009	-2.5 to 2.5	Pass
				40	3.92	-0.327	-0.0005	-2.5 to 2.5	Pass
				50	3.92	-0.331	-0.0005	-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	1.037	0.0015	-2.5 to 2.5	Pass

					3.92	1.478	0.0021	-2.5 to 2.5	Pass
					4.53	1.345	0.0019	-2.5 to 2.5	Pass
				-30	3.92	0.987	0.0014	-2.5 to 2.5	Pass
				-20	3.92	1.137	0.0016	-2.5 to 2.5	Pass
				-10	3.92	0.763	0.0011	-2.5 to 2.5	Pass
				0	3.92	0.065	0.0001	-2.5 to 2.5	Pass
				10	3.92	0.775	0.0011	-2.5 to 2.5	Pass
				30	3.92	0.672	0.0010	-2.5 to 2.5	Pass
				40	3.92	0.358	0.0005	-2.5 to 2.5	Pass
				50	3.92	0.408	0.0006	-2.5 to 2.5	Pass
	707.5	15	0	20	3.6	0.266	0.0004	-2.5 to 2.5	Pass
					3.92	1.120	0.0016	-2.5 to 2.5	Pass
					4.53	0.460	0.0007	-2.5 to 2.5	Pass
				-30	3.92	0.616	0.0009	-2.5 to 2.5	Pass
				-20	3.92	1.175	0.0017	-2.5 to 2.5	Pass
				-10	3.92	0.742	0.0010	-2.5 to 2.5	Pass
				0	3.92	0.593	0.0008	-2.5 to 2.5	Pass
				10	3.92	0.892	0.0013	-2.5 to 2.5	Pass
				30	3.92	1.043	0.0015	-2.5 to 2.5	Pass
				40	3.92	1.276	0.0018	-2.5 to 2.5	Pass
				50	3.92	0.601	0.0008	-2.5 to 2.5	Pass
	714.5	15	0	20	3.6	-0.192	-0.0003	-2.5 to 2.5	Pass
					3.92	0.978	0.0014	-2.5 to 2.5	Pass
					4.53	0.330	0.0005	-2.5 to 2.5	Pass
				-30	3.92	0.300	0.0004	-2.5 to 2.5	Pass
				-20	3.92	0.449	0.0006	-2.5 to 2.5	Pass
				-10	3.92	0.448	0.0006	-2.5 to 2.5	Pass
				0	3.92	0.424	0.0006	-2.5 to 2.5	Pass
				10	3.92	0.572	0.0008	-2.5 to 2.5	Pass
				30	3.92	0.775	0.0011	-2.5 to 2.5	Pass
				40	3.92	1.138	0.0016	-2.5 to 2.5	Pass
				50	3.92	0.458	0.0006	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.6	0.805	0.0011	-2.5 to 2.5	Pass
					3.92	0.983	0.0014	-2.5 to 2.5	Pass
					4.53	1.318	0.0019	-2.5 to 2.5	Pass
				-30	3.92	0.925	0.0013	-2.5 to 2.5	Pass
				-20	3.92	0.319	0.0005	-2.5 to 2.5	Pass
				-10	3.92	0.359	0.0005	-2.5 to 2.5	Pass
				0	3.92	-0.432	-0.0006	-2.5 to 2.5	Pass
				10	3.92	0.107	0.0002	-2.5 to 2.5	Pass
				30	3.92	-1.033	-0.0015	-2.5 to 2.5	Pass
				40	3.92	-0.065	-0.0001	-2.5 to 2.5	Pass
				50	3.92	-0.089	-0.0001	-2.5 to 2.5	Pass
	707.5	15	0	20	3.6	1.171	0.0017	-2.5 to 2.5	Pass
					3.92	1.467	0.0021	-2.5 to 2.5	Pass
					4.53	1.167	0.0016	-2.5 to 2.5	Pass
				-30	3.92	1.261	0.0018	-2.5 to 2.5	Pass
				-20	3.92	0.714	0.0010	-2.5 to 2.5	Pass
				-10	3.92	1.556	0.0022	-2.5 to 2.5	Pass
				0	3.92	1.271	0.0018	-2.5 to 2.5	Pass
				10	3.92	1.116	0.0016	-2.5 to 2.5	Pass
				30	3.92	1.107	0.0016	-2.5 to 2.5	Pass
				40	3.92	0.795	0.0011	-2.5 to 2.5	Pass
				50	3.92	0.739	0.0010	-2.5 to 2.5	Pass
	714.5	15	0	20	3.6	0.790	0.0011	-2.5 to 2.5	Pass
					3.92	1.236	0.0017	-2.5 to 2.5	Pass
				-30	4.53	1.162	0.0016	-2.5 to 2.5	Pass
					3.92	1.510	0.0021	-2.5 to 2.5	Pass
				-20	3.92	0.410	0.0006	-2.5 to 2.5	Pass

64QAM	700.5	15	0	-10	3.92	1.297	0.0018	-2.5 to 2.5	Pass
				0	3.92	0.497	0.0007	-2.5 to 2.5	Pass
				10	3.92	-0.188	-0.0003	-2.5 to 2.5	Pass
				30	3.92	0.216	0.0003	-2.5 to 2.5	Pass
				40	3.92	1.274	0.0018	-2.5 to 2.5	Pass
	707.5	15	0	50	3.92	0.813	0.0011	-2.5 to 2.5	Pass
				20	3.6	-0.475	-0.0007	-2.5 to 2.5	Pass
					3.92	-0.937	-0.0013	-2.5 to 2.5	Pass
					4.53	-0.952	-0.0014	-2.5 to 2.5	Pass
				-30	3.92	-0.570	-0.0008	-2.5 to 2.5	Pass
				-20	3.92	-0.373	-0.0005	-2.5 to 2.5	Pass
				-10	3.92	-0.336	-0.0005	-2.5 to 2.5	Pass
				0	3.92	-0.340	-0.0005	-2.5 to 2.5	Pass
				10	3.92	0.068	0.0001	-2.5 to 2.5	Pass
				30	3.92	-0.751	-0.0011	-2.5 to 2.5	Pass
				40	3.92	-0.620	-0.0009	-2.5 to 2.5	Pass
				50	3.92	-0.409	-0.0006	-2.5 to 2.5	Pass
	714.5	15	0	20	3.6	0.503	0.0007	-2.5 to 2.5	Pass
					3.92	0.483	0.0007	-2.5 to 2.5	Pass
					4.53	1.266	0.0018	-2.5 to 2.5	Pass
				-30	3.92	0.825	0.0012	-2.5 to 2.5	Pass
				-20	3.92	0.711	0.0010	-2.5 to 2.5	Pass
				-10	3.92	0.036	0.0001	-2.5 to 2.5	Pass
				0	3.92	-0.255	-0.0004	-2.5 to 2.5	Pass
				10	3.92	-0.224	-0.0003	-2.5 to 2.5	Pass
				30	3.92	-0.084	-0.0001	-2.5 to 2.5	Pass
				40	3.92	-0.890	-0.0013	-2.5 to 2.5	Pass
				50	3.92	-0.406	-0.0006	-2.5 to 2.5	Pass
				20	3.6	-0.290	-0.0004	-2.5 to 2.5	Pass
					3.92	0.688	0.0010	-2.5 to 2.5	Pass
					4.53	0.324	0.0005	-2.5 to 2.5	Pass
				-30	3.92	0.726	0.0010	-2.5 to 2.5	Pass
				-20	3.92	0.371	0.0005	-2.5 to 2.5	Pass
				-10	3.92	0.005	0.0000	-2.5 to 2.5	Pass
				0	3.92	0.206	0.0003	-2.5 to 2.5	Pass
				10	3.92	-0.273	-0.0004	-2.5 to 2.5	Pass
				30	3.92	0.609	0.0009	-2.5 to 2.5	Pass
				40	3.92	0.213	0.0003	-2.5 to 2.5	Pass
				50	3.92	-0.601	-0.0008	-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	0.523	0.0007	-2.5 to 2.5	Pass
					3.92	0.916	0.0013	-2.5 to 2.5	Pass
					4.53	0.922	0.0013	-2.5 to 2.5	Pass
				-30	3.92	0.845	0.0012	-2.5 to 2.5	Pass
				-20	3.92	2.346	0.0033	-2.5 to 2.5	Pass
				-10	3.92	1.661	0.0024	-2.5 to 2.5	Pass
				0	3.92	1.724	0.0025	-2.5 to 2.5	Pass
				10	3.92	1.798	0.0026	-2.5 to 2.5	Pass
				30	3.92	0.305	0.0004	-2.5 to 2.5	Pass
				40	3.92	1.054	0.0015	-2.5 to 2.5	Pass
				50	3.92	0.636	0.0009	-2.5 to 2.5	Pass
	707.5	25	0	20	3.6	2.117	0.0030	-2.5 to 2.5	Pass

					3.92	2.321	0.0033	-2.5 to 2.5	Pass
					4.53	1.186	0.0017	-2.5 to 2.5	Pass
				-30	3.92	1.030	0.0015	-2.5 to 2.5	Pass
				-20	3.92	0.949	0.0013	-2.5 to 2.5	Pass
				-10	3.92	0.494	0.0007	-2.5 to 2.5	Pass
				0	3.92	0.851	0.0012	-2.5 to 2.5	Pass
				10	3.92	0.803	0.0011	-2.5 to 2.5	Pass
				30	3.92	0.385	0.0005	-2.5 to 2.5	Pass
				40	3.92	1.065	0.0015	-2.5 to 2.5	Pass
				50	3.92	1.040	0.0015	-2.5 to 2.5	Pass
	713.5	25	0	20	3.6	0.648	0.0009	-2.5 to 2.5	Pass
					3.92	0.608	0.0009	-2.5 to 2.5	Pass
					4.53	-0.165	-0.0002	-2.5 to 2.5	Pass
				-30	3.92	-0.704	-0.0010	-2.5 to 2.5	Pass
				-20	3.92	0.225	0.0003	-2.5 to 2.5	Pass
				-10	3.92	0.598	0.0008	-2.5 to 2.5	Pass
				0	3.92	-0.745	-0.0010	-2.5 to 2.5	Pass
				10	3.92	-0.582	-0.0008	-2.5 to 2.5	Pass
				30	3.92	-0.012	0.0000	-2.5 to 2.5	Pass
				40	3.92	-0.074	-0.0001	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.6	1.355	0.0019	-2.5 to 2.5	Pass
					3.92	0.735	0.0010	-2.5 to 2.5	Pass
					4.53	-0.446	-0.0006	-2.5 to 2.5	Pass
				-30	3.92	-0.104	-0.0001	-2.5 to 2.5	Pass
				-20	3.92	-0.044	-0.0001	-2.5 to 2.5	Pass
				-10	3.92	-0.207	-0.0003	-2.5 to 2.5	Pass
				0	3.92	-0.237	-0.0003	-2.5 to 2.5	Pass
				10	3.92	-1.063	-0.0015	-2.5 to 2.5	Pass
				30	3.92	-0.854	-0.0012	-2.5 to 2.5	Pass
				40	3.92	-0.259	-0.0004	-2.5 to 2.5	Pass
	707.5	25	0	20	3.6	0.483	0.0007	-2.5 to 2.5	Pass
					3.92	-0.617	-0.0009	-2.5 to 2.5	Pass
					4.53	-0.378	-0.0005	-2.5 to 2.5	Pass
				-30	3.92	0.452	0.0006	-2.5 to 2.5	Pass
				-20	3.92	0.420	0.0006	-2.5 to 2.5	Pass
				-10	3.92	-0.115	-0.0002	-2.5 to 2.5	Pass
				0	3.92	0.738	0.0010	-2.5 to 2.5	Pass
				10	3.92	0.229	0.0003	-2.5 to 2.5	Pass
				30	3.92	0.621	0.0009	-2.5 to 2.5	Pass
				40	3.92	0.080	0.0001	-2.5 to 2.5	Pass
	713.5	25	0	20	3.6	0.529	0.0007	-2.5 to 2.5	Pass
					3.92	1.216	0.0017	-2.5 to 2.5	Pass
					4.53	1.429	0.0020	-2.5 to 2.5	Pass
				-30	3.92	-0.058	-0.0001	-2.5 to 2.5	Pass
				-20	3.92	0.449	0.0006	-2.5 to 2.5	Pass
				-10	3.92	-0.113	-0.0002	-2.5 to 2.5	Pass
				0	3.92	0.383	0.0005	-2.5 to 2.5	Pass
				10	3.92	0.051	0.0001	-2.5 to 2.5	Pass
				30	3.92	-1.071	-0.0015	-2.5 to 2.5	Pass
				40	3.92	0.402	0.0006	-2.5 to 2.5	Pass
64QAM	701.5	25	0	20	3.6	-0.005	0.0000	-2.5 to 2.5	Pass
					3.92	0.255	0.0004	-2.5 to 2.5	Pass
					4.53	-0.058	-0.0001	-2.5 to 2.5	Pass
				-30	3.92	0.187	0.0003	-2.5 to 2.5	Pass
				-20	3.92	0.011	0.0000	-2.5 to 2.5	Pass

				-10	3.92	0.031	0.0000	-2.5 to 2.5	Pass
				0	3.92	0.006	0.0000	-2.5 to 2.5	Pass
				10	3.92	-0.262	-0.0004	-2.5 to 2.5	Pass
				30	3.92	-0.142	-0.0002	-2.5 to 2.5	Pass
				40	3.92	-0.236	-0.0003	-2.5 to 2.5	Pass
				50	3.92	-0.497	-0.0007	-2.5 to 2.5	Pass
	707.5	25	0	20	3.6	-0.679	-0.0010	-2.5 to 2.5	Pass
					3.92	-0.373	-0.0005	-2.5 to 2.5	Pass
					4.53	0.207	0.0003	-2.5 to 2.5	Pass
				-30	3.92	0.786	0.0011	-2.5 to 2.5	Pass
				-20	3.92	-0.171	-0.0002	-2.5 to 2.5	Pass
				-10	3.92	-0.675	-0.0010	-2.5 to 2.5	Pass
				0	3.92	-0.402	-0.0006	-2.5 to 2.5	Pass
				10	3.92	-0.815	-0.0012	-2.5 to 2.5	Pass
				30	3.92	-1.643	-0.0023	-2.5 to 2.5	Pass
				40	3.92	-0.236	-0.0003	-2.5 to 2.5	Pass
				50	3.92	-0.481	-0.0007	-2.5 to 2.5	Pass
	713.5	25	0	20	3.6	-0.703	-0.0010	-2.5 to 2.5	Pass
					3.92	0.305	0.0004	-2.5 to 2.5	Pass
					4.53	0.636	0.0009	-2.5 to 2.5	Pass
				-30	3.92	-0.365	-0.0005	-2.5 to 2.5	Pass
				-20	3.92	0.274	0.0004	-2.5 to 2.5	Pass
				-10	3.92	-0.156	-0.0002	-2.5 to 2.5	Pass
				0	3.92	-0.360	-0.0005	-2.5 to 2.5	Pass
				10	3.92	0.117	0.0002	-2.5 to 2.5	Pass
				30	3.92	-0.421	-0.0006	-2.5 to 2.5	Pass
				40	3.92	-0.424	-0.0006	-2.5 to 2.5	Pass
				50	3.92	0.132	0.0002	-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	-0.621	-0.0009	-2.5 to 2.5	Pass
					3.92	0.163	0.0002	-2.5 to 2.5	Pass
					4.53	0.133	0.0002	-2.5 to 2.5	Pass
				-30	3.92	-0.511	-0.0007	-2.5 to 2.5	Pass
				-20	3.92	-0.747	-0.0011	-2.5 to 2.5	Pass
				-10	3.92	0.464	0.0007	-2.5 to 2.5	Pass
				0	3.92	0.707	0.0010	-2.5 to 2.5	Pass
				10	3.92	0.096	0.0001	-2.5 to 2.5	Pass
				30	3.92	-0.502	-0.0007	-2.5 to 2.5	Pass
				40	3.92	-0.632	-0.0009	-2.5 to 2.5	Pass
				50	3.92	0.657	0.0009	-2.5 to 2.5	Pass
	707.5	50	0	20	3.6	-0.107	-0.0002	-2.5 to 2.5	Pass
					3.92	0.216	0.0003	-2.5 to 2.5	Pass
					4.53	-0.257	-0.0004	-2.5 to 2.5	Pass
				-30	3.92	0.030	0.0000	-2.5 to 2.5	Pass
				-20	3.92	-0.504	-0.0007	-2.5 to 2.5	Pass
				-10	3.92	-0.823	-0.0012	-2.5 to 2.5	Pass
				0	3.92	-0.083	-0.0001	-2.5 to 2.5	Pass
				10	3.92	-0.308	-0.0004	-2.5 to 2.5	Pass
				30	3.92	-0.365	-0.0005	-2.5 to 2.5	Pass
				40	3.92	-0.021	0.0000	-2.5 to 2.5	Pass
				50	3.92	-0.016	0.0000	-2.5 to 2.5	Pass
	711	50	0	20	3.6	-0.339	-0.0005	-2.5 to 2.5	Pass

					3.92	-0.011	0.0000	-2.5 to 2.5	Pass
					4.53	-0.293	-0.0004	-2.5 to 2.5	Pass
				-30	3.92	-0.600	-0.0008	-2.5 to 2.5	Pass
				-20	3.92	0.516	0.0007	-2.5 to 2.5	Pass
				-10	3.92	0.370	0.0005	-2.5 to 2.5	Pass
				0	3.92	-0.384	-0.0005	-2.5 to 2.5	Pass
				10	3.92	-0.276	-0.0004	-2.5 to 2.5	Pass
				30	3.92	-0.362	-0.0005	-2.5 to 2.5	Pass
				40	3.92	0.183	0.0003	-2.5 to 2.5	Pass
				50	3.92	-0.758	-0.0011	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.6	-0.567	-0.0008	-2.5 to 2.5	Pass
					3.92	-0.286	-0.0004	-2.5 to 2.5	Pass
					4.53	-0.757	-0.0011	-2.5 to 2.5	Pass
				-30	3.92	0.076	0.0001	-2.5 to 2.5	Pass
				-20	3.92	0.344	0.0005	-2.5 to 2.5	Pass
				-10	3.92	-1.018	-0.0014	-2.5 to 2.5	Pass
				0	3.92	-0.683	-0.0010	-2.5 to 2.5	Pass
				10	3.92	-0.361	-0.0005	-2.5 to 2.5	Pass
				30	3.92	-0.437	-0.0006	-2.5 to 2.5	Pass
				40	3.92	0.177	0.0003	-2.5 to 2.5	Pass
				50	3.92	0.518	0.0007	-2.5 to 2.5	Pass
	707.5	50	0	20	3.6	0.133	0.0002	-2.5 to 2.5	Pass
					3.92	0.008	0.0000	-2.5 to 2.5	Pass
					4.53	0.715	0.0010	-2.5 to 2.5	Pass
				-30	3.92	-0.245	-0.0003	-2.5 to 2.5	Pass
				-20	3.92	-0.482	-0.0007	-2.5 to 2.5	Pass
				-10	3.92	0.283	0.0004	-2.5 to 2.5	Pass
				0	3.92	-0.099	-0.0001	-2.5 to 2.5	Pass
				10	3.92	0.260	0.0004	-2.5 to 2.5	Pass
				30	3.92	0.164	0.0002	-2.5 to 2.5	Pass
				40	3.92	0.494	0.0007	-2.5 to 2.5	Pass
				50	3.92	0.592	0.0008	-2.5 to 2.5	Pass
	711	50	0	20	3.6	0.745	0.0010	-2.5 to 2.5	Pass
					3.92	-0.505	-0.0007	-2.5 to 2.5	Pass
					4.53	0.033	0.0000	-2.5 to 2.5	Pass
				-30	3.92	0.278	0.0004	-2.5 to 2.5	Pass
				-20	3.92	-0.632	-0.0009	-2.5 to 2.5	Pass
				-10	3.92	-0.489	-0.0007	-2.5 to 2.5	Pass
				0	3.92	0.126	0.0002	-2.5 to 2.5	Pass
				10	3.92	0.257	0.0004	-2.5 to 2.5	Pass
				30	3.92	-1.045	-0.0015	-2.5 to 2.5	Pass
				40	3.92	0.256	0.0004	-2.5 to 2.5	Pass
				50	3.92	-0.106	-0.0001	-2.5 to 2.5	Pass
64QAM	704	50	0	20	3.6	-0.232	-0.0003	-2.5 to 2.5	Pass
					3.92	0.402	0.0006	-2.5 to 2.5	Pass
					4.53	0.948	0.0013	-2.5 to 2.5	Pass
				-30	3.92	0.778	0.0011	-2.5 to 2.5	Pass
				-20	3.92	-0.389	-0.0006	-2.5 to 2.5	Pass
				-10	3.92	0.822	0.0012	-2.5 to 2.5	Pass
				0	3.92	0.960	0.0014	-2.5 to 2.5	Pass
				10	3.92	-0.137	-0.0002	-2.5 to 2.5	Pass
				30	3.92	1.341	0.0019	-2.5 to 2.5	Pass
				40	3.92	0.182	0.0003	-2.5 to 2.5	Pass
				50	3.92	0.162	0.0002	-2.5 to 2.5	Pass
	707.5	50	0	20	3.6	0.341	0.0005	-2.5 to 2.5	Pass
					3.92	-0.008	0.0000	-2.5 to 2.5	Pass
					4.53	-0.208	-0.0003	-2.5 to 2.5	Pass
				-30	3.92	-0.180	-0.0003	-2.5 to 2.5	Pass
				-20	3.92	-0.380	-0.0005	-2.5 to 2.5	Pass

				-10	3.92	0.930	0.0013	-2.5 to 2.5	Pass
				0	3.92	0.599	0.0008	-2.5 to 2.5	Pass
				10	3.92	0.166	0.0002	-2.5 to 2.5	Pass
				30	3.92	-0.360	-0.0005	-2.5 to 2.5	Pass
				40	3.92	-0.065	-0.0001	-2.5 to 2.5	Pass
	711	50	0	50	3.92	0.305	0.0004	-2.5 to 2.5	Pass
				20	3.6	-0.366	-0.0005	-2.5 to 2.5	Pass
					3.92	-0.678	-0.0010	-2.5 to 2.5	Pass
					4.53	0.179	0.0003	-2.5 to 2.5	Pass
				-30	3.92	0.355	0.0005	-2.5 to 2.5	Pass
				-20	3.92	-0.662	-0.0009	-2.5 to 2.5	Pass
				-10	3.92	-1.001	-0.0014	-2.5 to 2.5	Pass
				0	3.92	-0.780	-0.0011	-2.5 to 2.5	Pass
				10	3.92	-0.288	-0.0004	-2.5 to 2.5	Pass
				30	3.92	-0.577	-0.0008	-2.5 to 2.5	Pass
				40	3.92	-1.092	-0.0015	-2.5 to 2.5	Pass
				50	3.92	0.729	0.0010	-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	1.122	/	Pass
		707.5	6	0	1.124	/	Pass
		715.3	6	0	1.126	/	Pass
	16QAM	699.7	6	0	1.131	/	Pass
		707.5	6	0	1.121	/	Pass
		715.3	6	0	1.126	/	Pass
	64QAM	699.7	6	0	1.129	/	Pass
		707.5	6	0	1.132	/	Pass
		715.3	6	0	1.115	/	Pass
3	QPSK	700.5	15	0	2.750	/	Pass
		707.5	15	0	2.755	/	Pass
		714.5	15	0	2.758	/	Pass
	16QAM	700.5	15	0	2.745	/	Pass
		707.5	15	0	2.754	/	Pass
		714.5	15	0	2.750	/	Pass
	64QAM	700.5	15	0	2.750	/	Pass
		707.5	15	0	2.753	/	Pass
		714.5	15	0	2.757	/	Pass
5	QPSK	701.5	25	0	4.567	/	Pass
		707.5	25	0	4.576	/	Pass
		713.5	25	0	4.563	/	Pass
	16QAM	701.5	25	0	4.557	/	Pass
		707.5	25	0	4.593	/	Pass
		713.5	25	0	4.581	/	Pass
	64QAM	701.5	25	0	4.568	/	Pass
		707.5	25	0	4.571	/	Pass
		713.5	25	0	4.554	/	Pass
10	QPSK	704	50	0	9.047	/	Pass
		707.5	50	0	9.048	/	Pass
		711	50	0	9.082	/	Pass
	16QAM	704	50	0	9.046	/	Pass
		707.5	50	0	9.079	/	Pass
		711	50	0	9.096	/	Pass
	64QAM	704	50	0	9.045	/	Pass
		707.5	50	0	9.064	/	Pass
		711	50	0	9.088	/	Pass

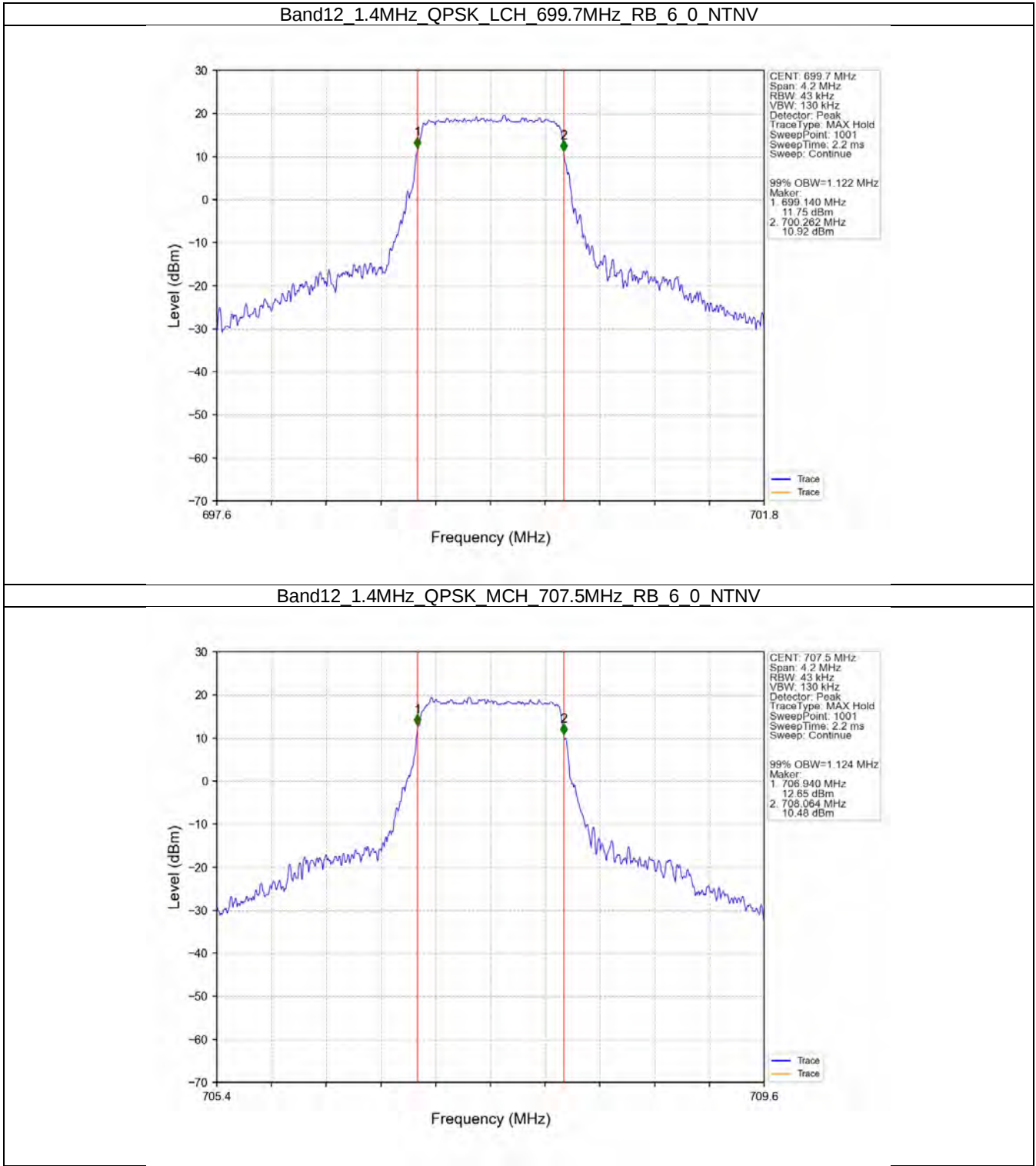
3.1.2 Band12_XDB

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	1.399	/	Pass
		707.5	6	0	1.412	/	Pass
		715.3	6	0	1.407	/	Pass

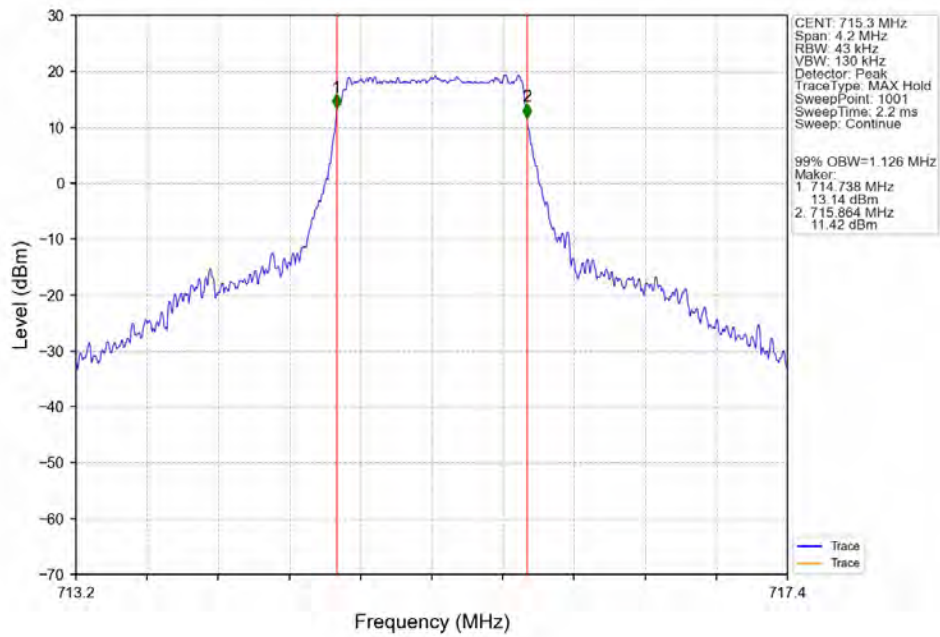
	16QAM	699.7	6	0	1.425	/	Pass
		707.5	6	0	1.414	/	Pass
		715.3	6	0	1.400	/	Pass
	64QAM	699.7	6	0	1.378	/	Pass
		707.5	6	0	1.422	/	Pass
		715.3	6	0	1.415	/	Pass
3	QPSK	700.5	15	0	3.136	/	Pass
		707.5	15	0	3.202	/	Pass
		714.5	15	0	3.148	/	Pass
	16QAM	700.5	15	0	3.140	/	Pass
		707.5	15	0	3.121	/	Pass
		714.5	15	0	3.154	/	Pass
	64QAM	700.5	15	0	3.160	/	Pass
		707.5	15	0	3.145	/	Pass
		714.5	15	0	3.144	/	Pass
5	QPSK	701.5	25	0	5.166	/	Pass
		707.5	25	0	5.204	/	Pass
		713.5	25	0	5.226	/	Pass
	16QAM	701.5	25	0	5.278	/	Pass
		707.5	25	0	5.290	/	Pass
		713.5	25	0	5.237	/	Pass
	64QAM	701.5	25	0	5.278	/	Pass
		707.5	25	0	5.235	/	Pass
		713.5	25	0	5.240	/	Pass
10	QPSK	704	50	0	10.223	/	Pass
		707.5	50	0	10.220	/	Pass
		711	50	0	10.339	/	Pass
	16QAM	704	50	0	10.114	/	Pass
		707.5	50	0	10.129	/	Pass
		711	50	0	10.188	/	Pass
	64QAM	704	50	0	10.161	/	Pass
		707.5	50	0	10.156	/	Pass
		711	50	0	10.265	/	Pass

3.2 Test Graph

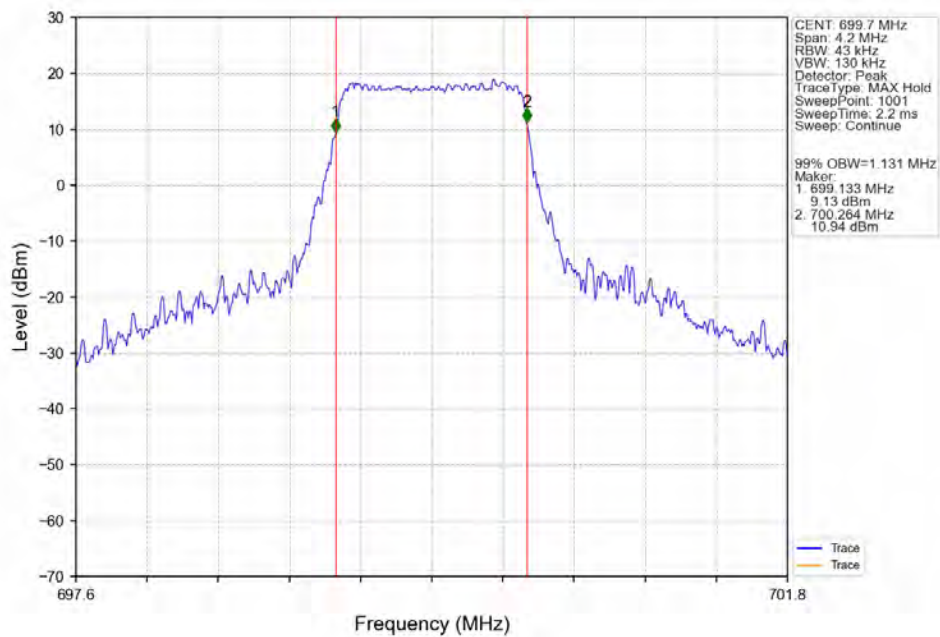
3.2.1 Band12_OBW



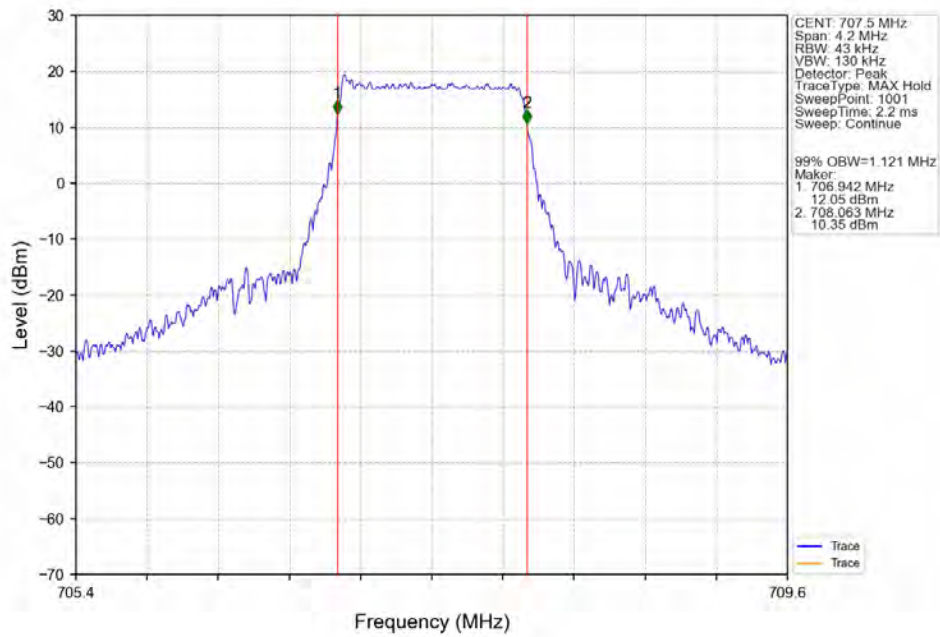
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



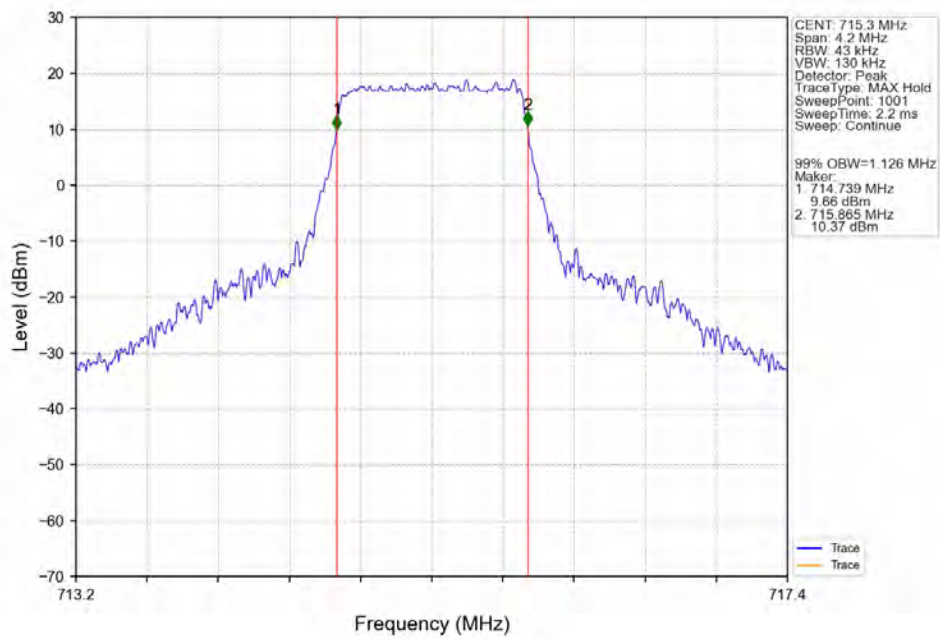
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



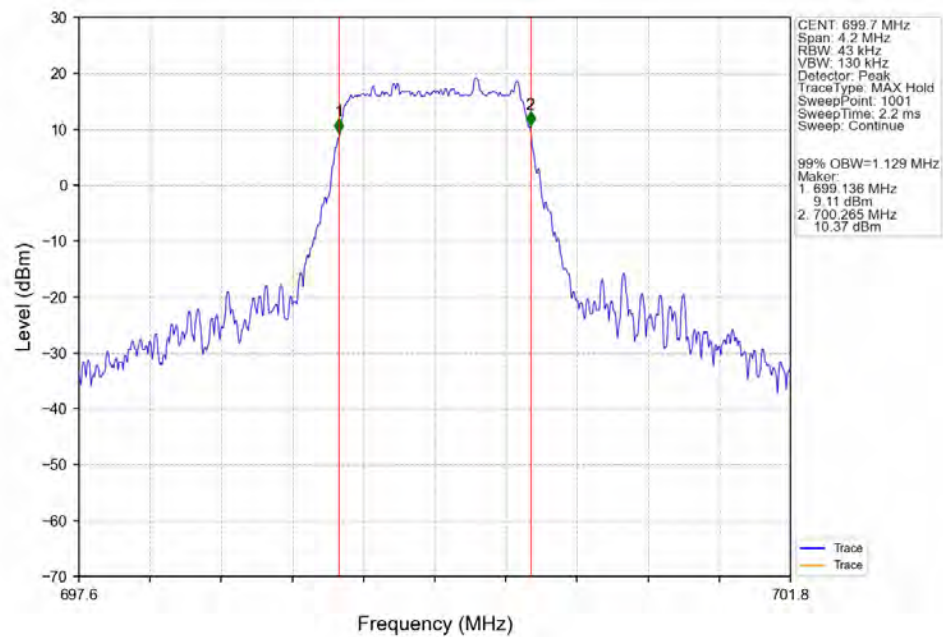
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



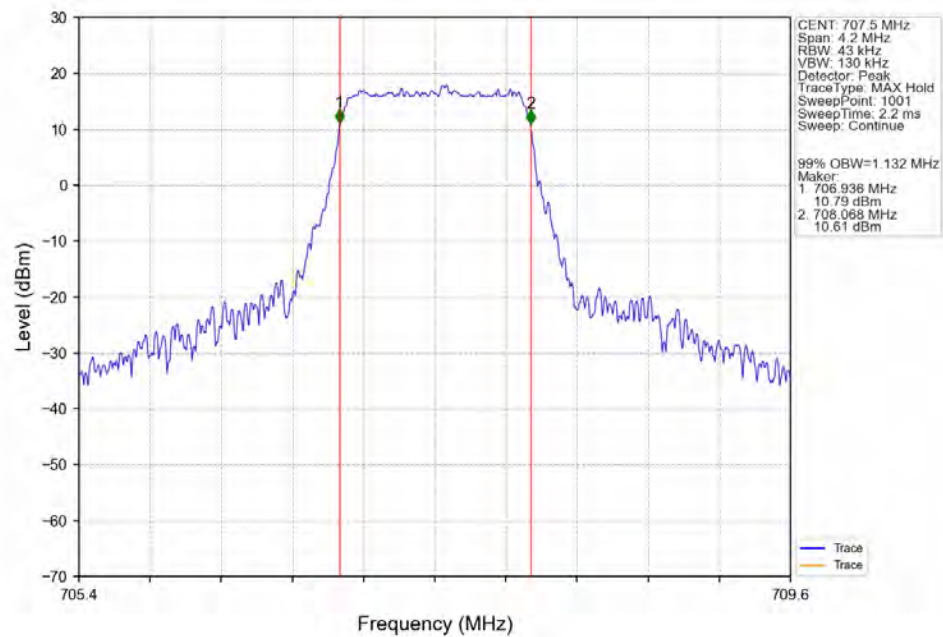
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



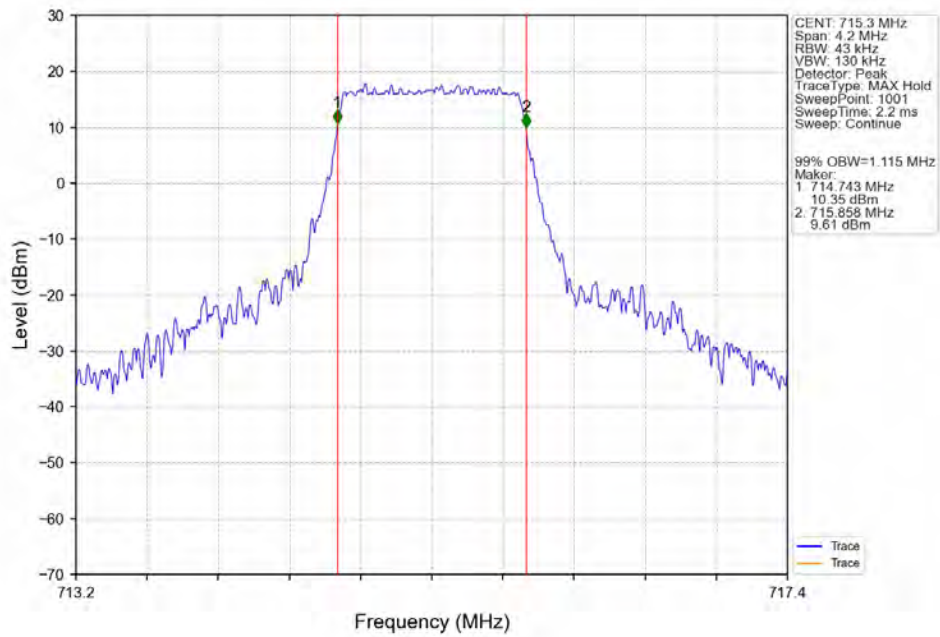
Band12 1.4MHz 64QAM LCH 699.7MHz RB 6 0 NTNV



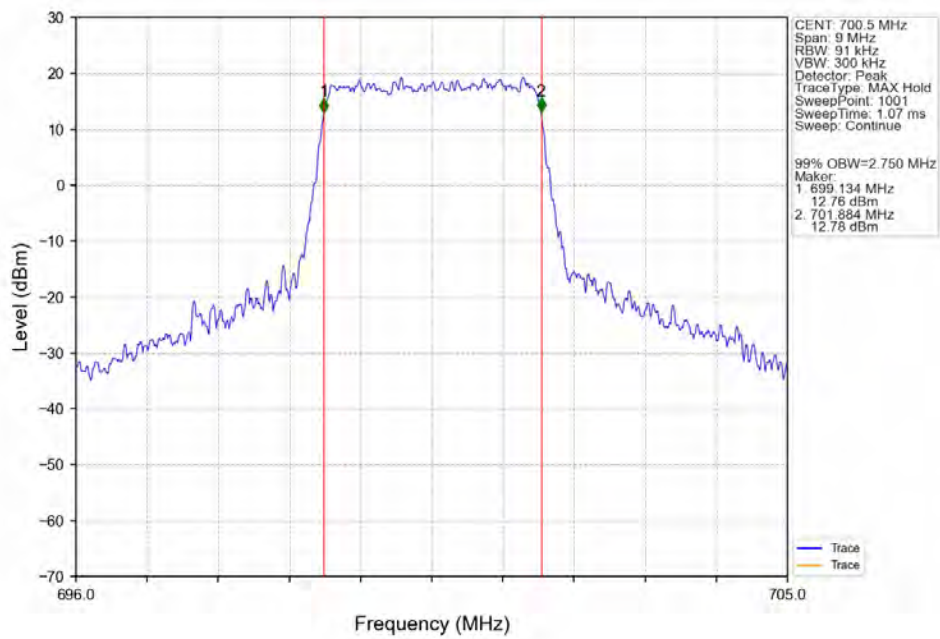
Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTNV



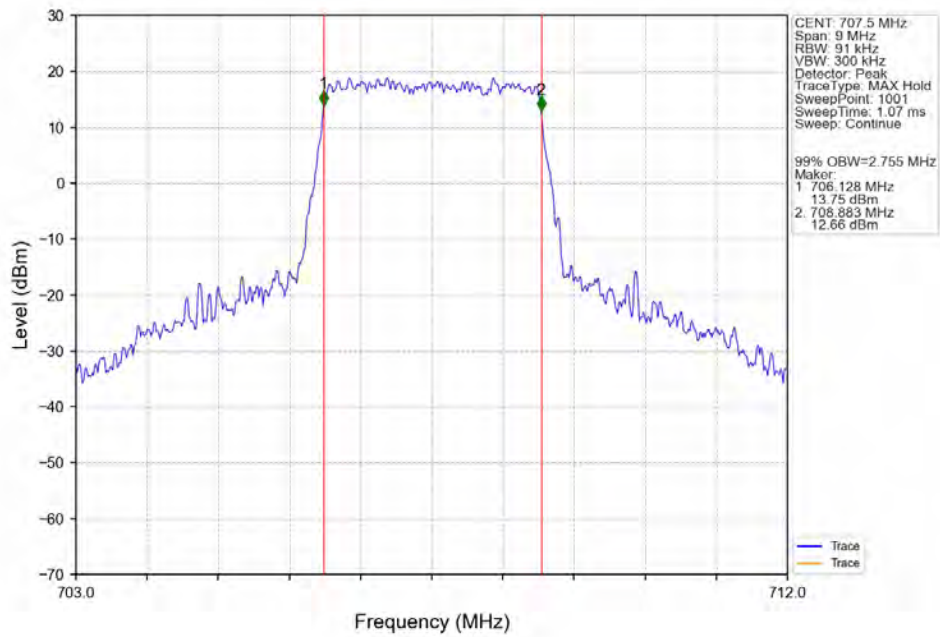
Band12 1.4MHz 64QAM HCH 715.3MHz RB 6 0 NTNV



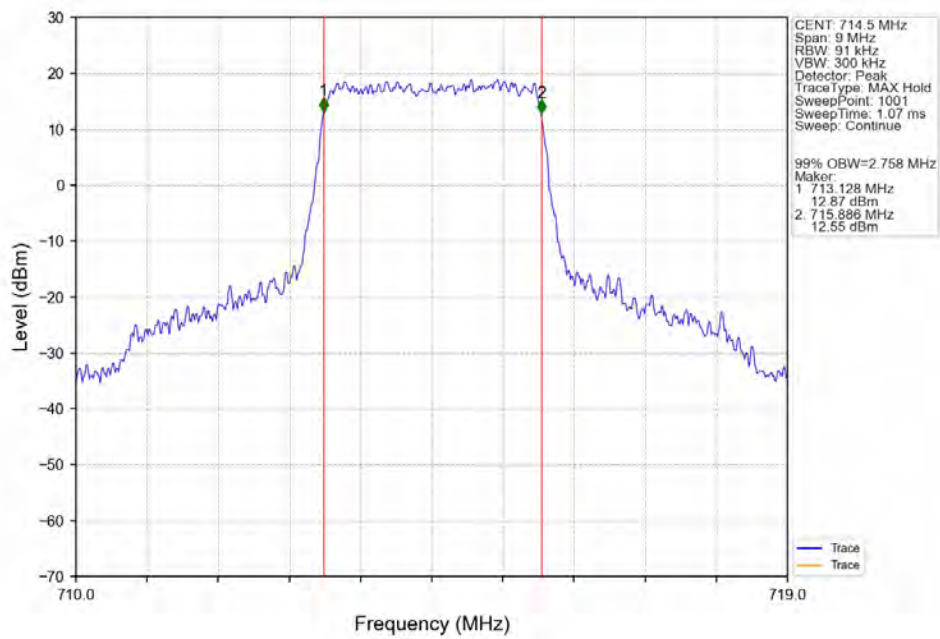
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



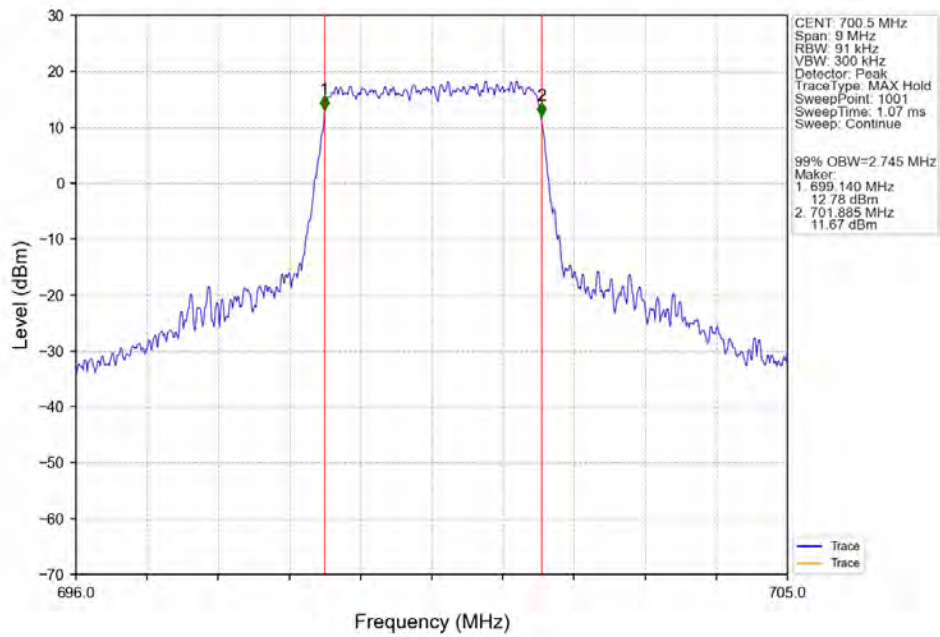
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTNV



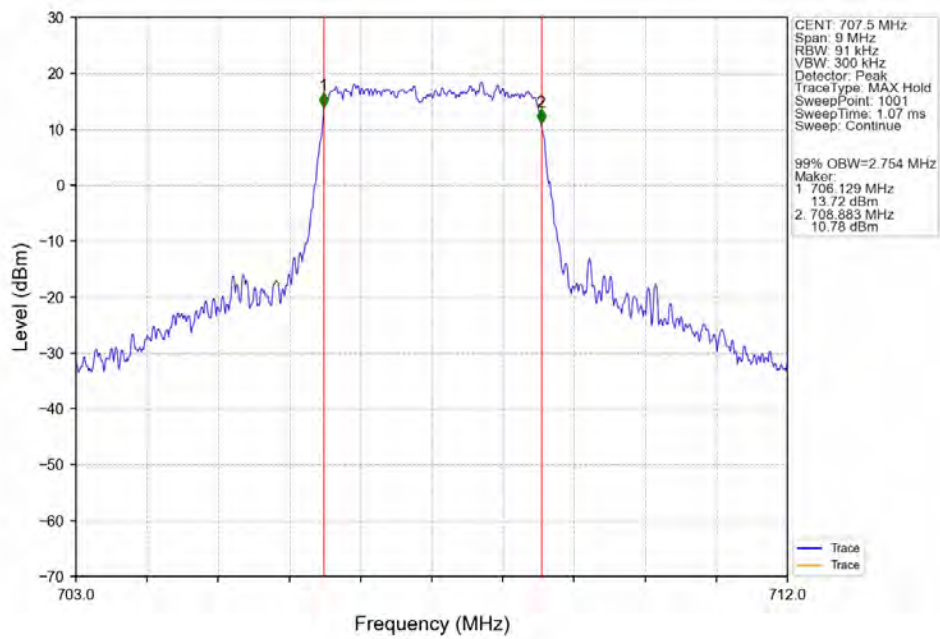
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



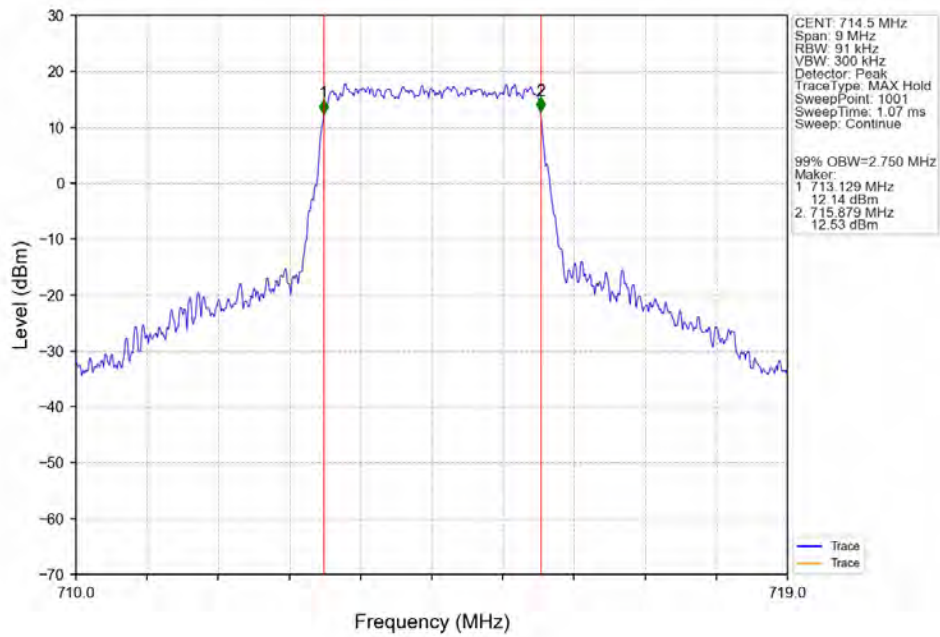
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



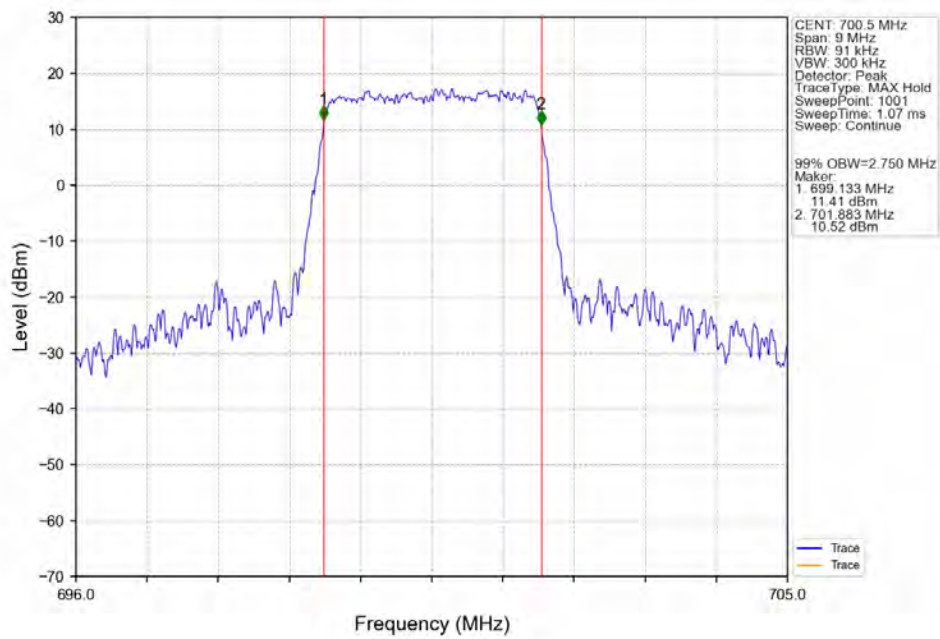
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



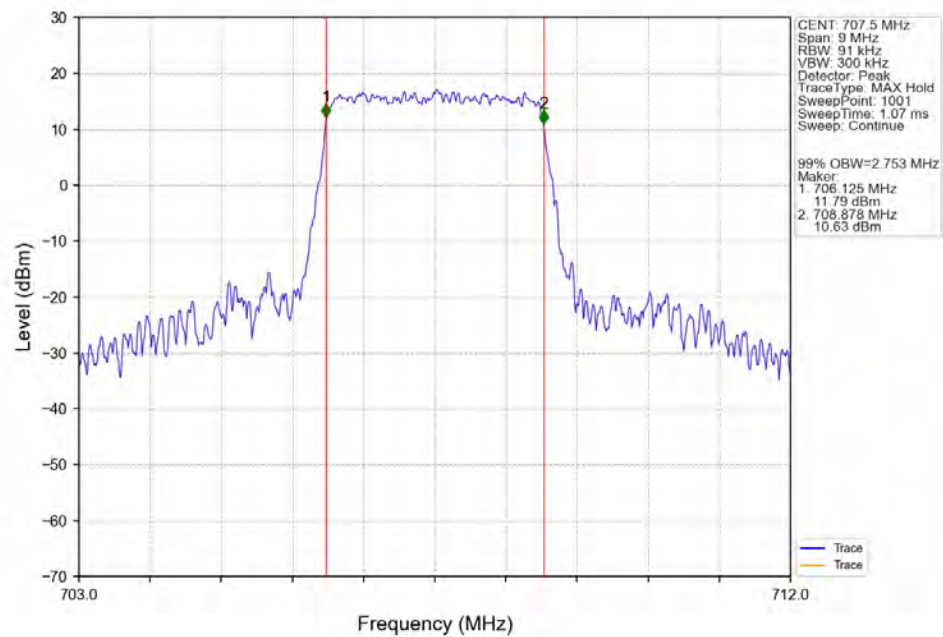
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



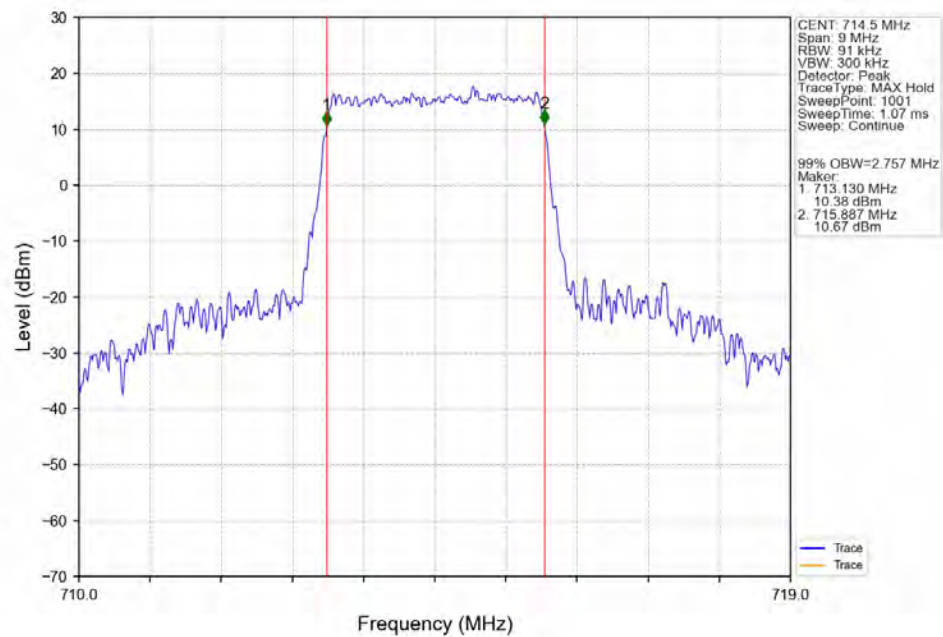
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



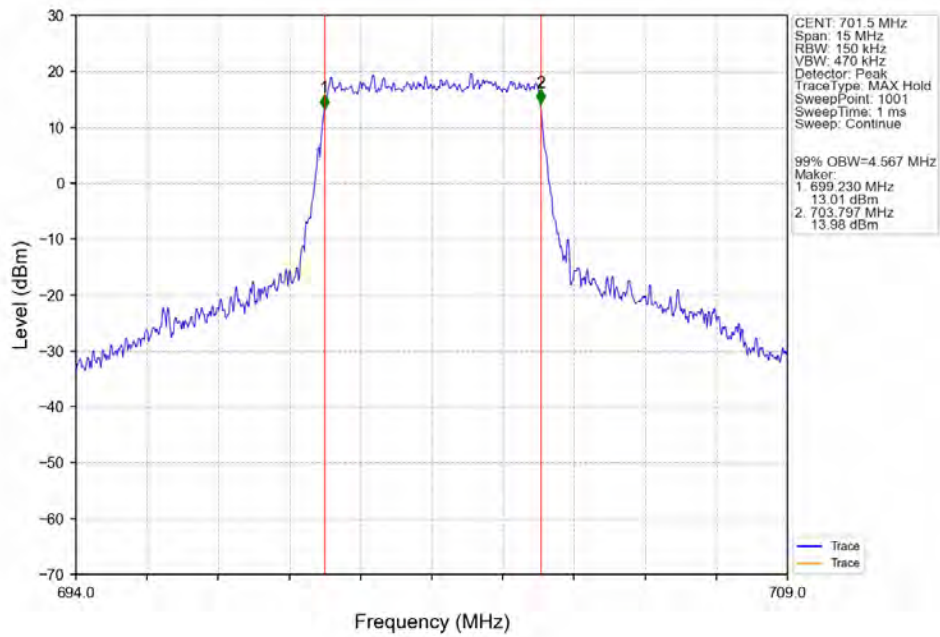
Band12 3MHz 64QAM MCH 707.5MHz RB 15 0 NTNV



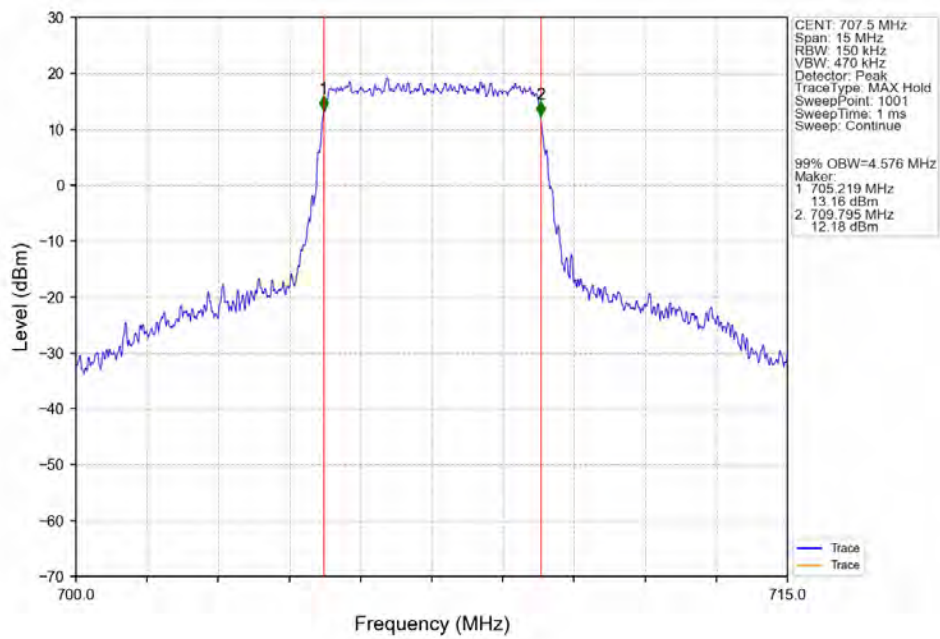
Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



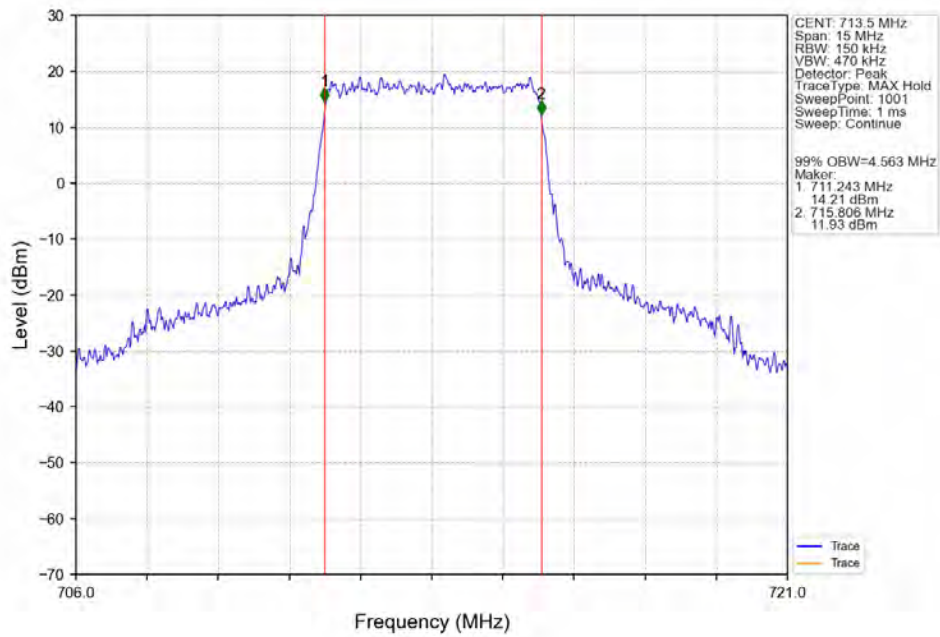
Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTV



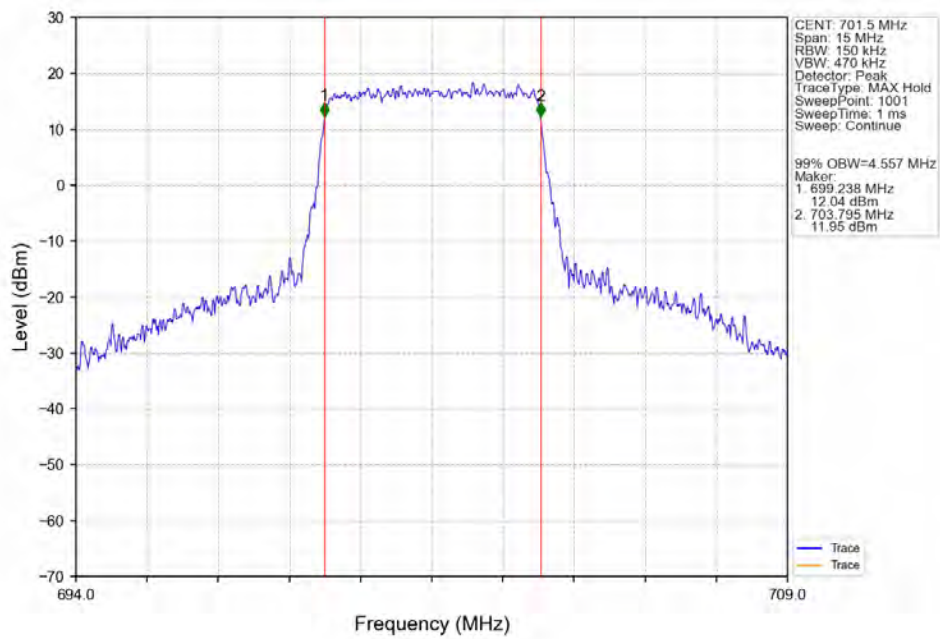
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



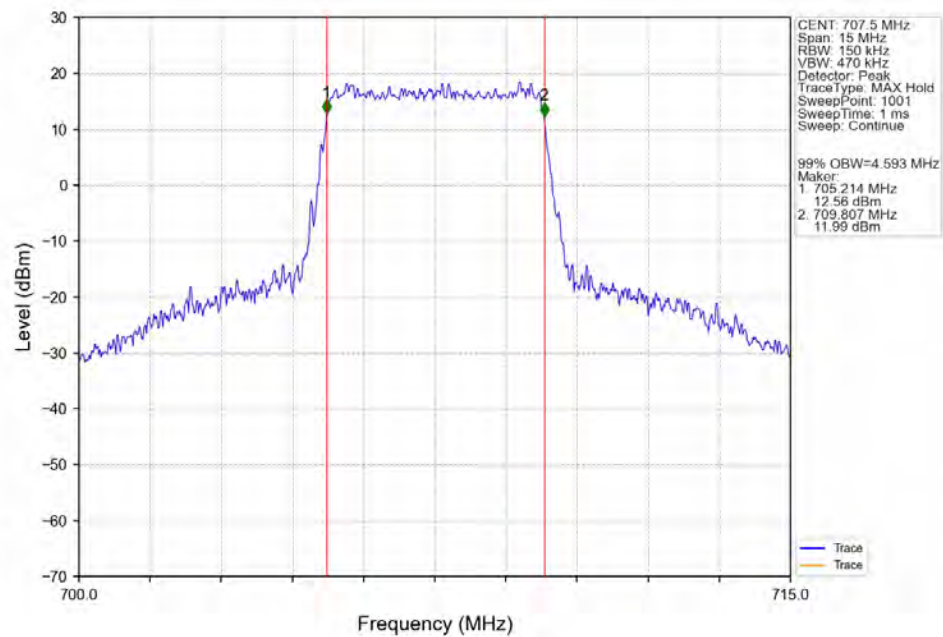
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



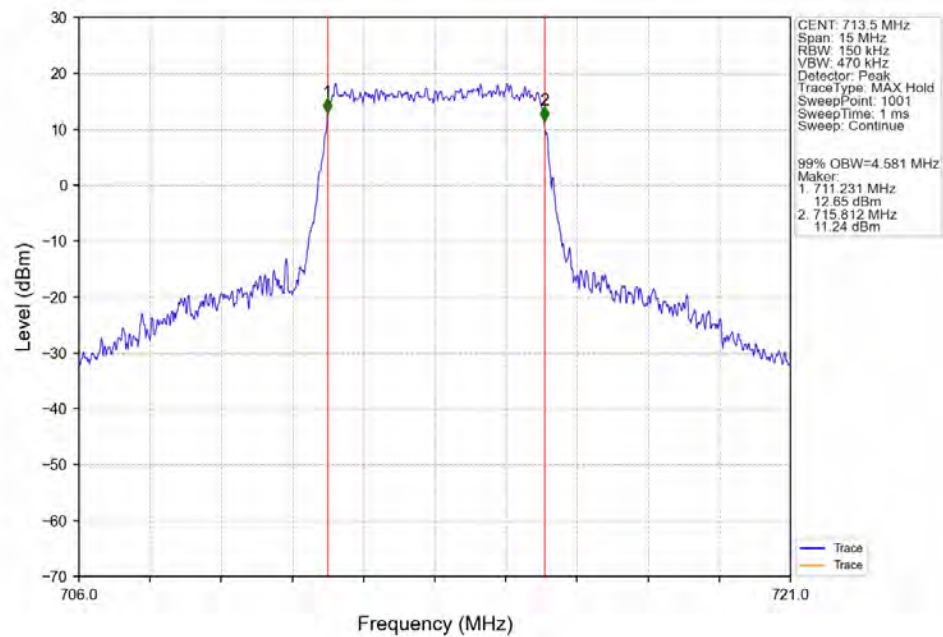
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



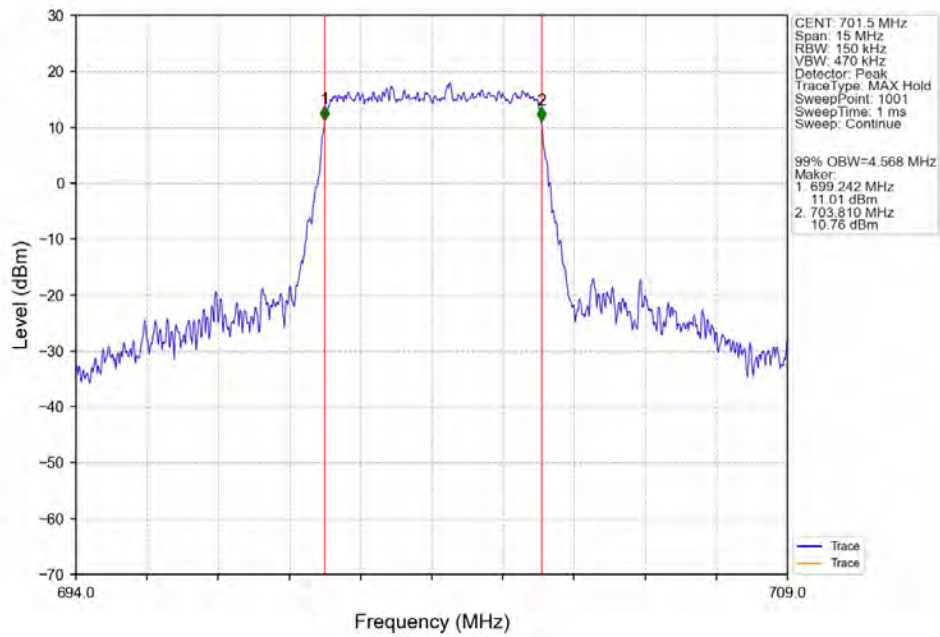
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



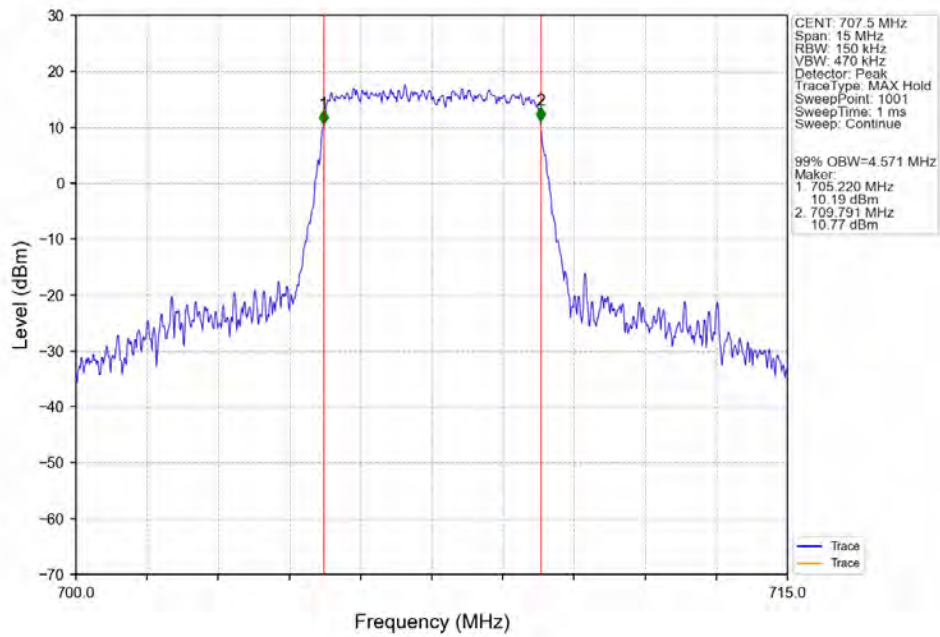
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



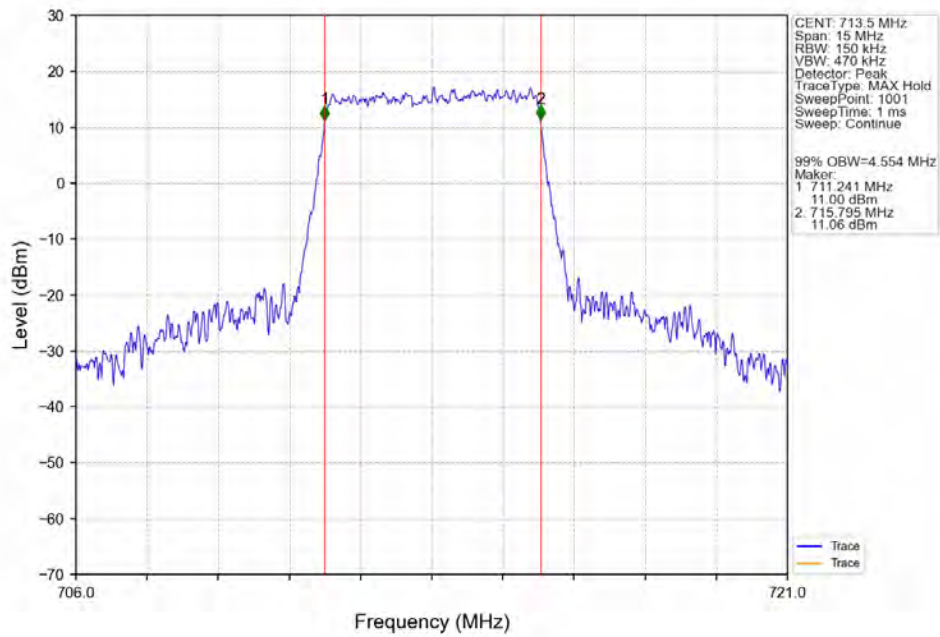
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



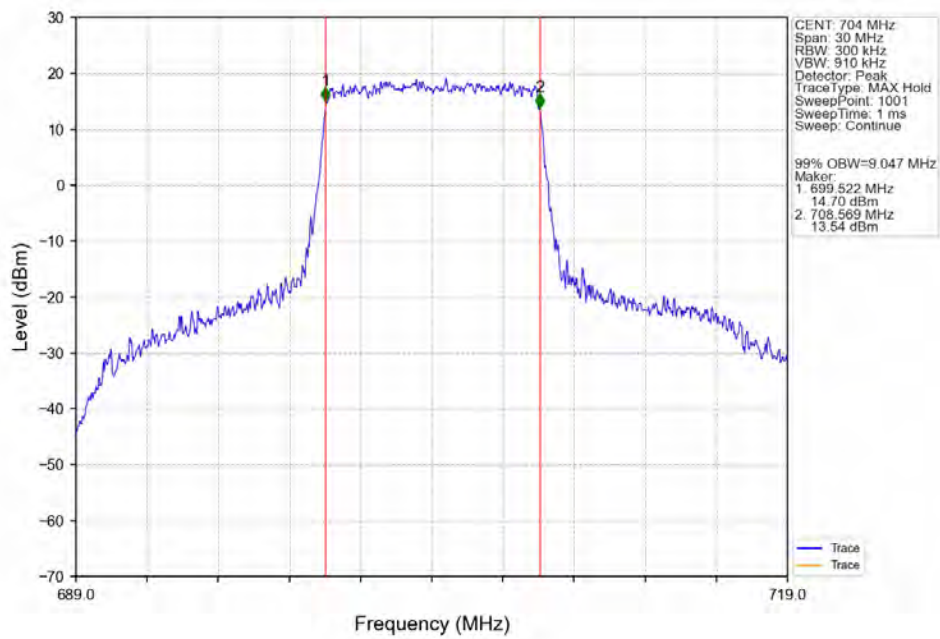
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



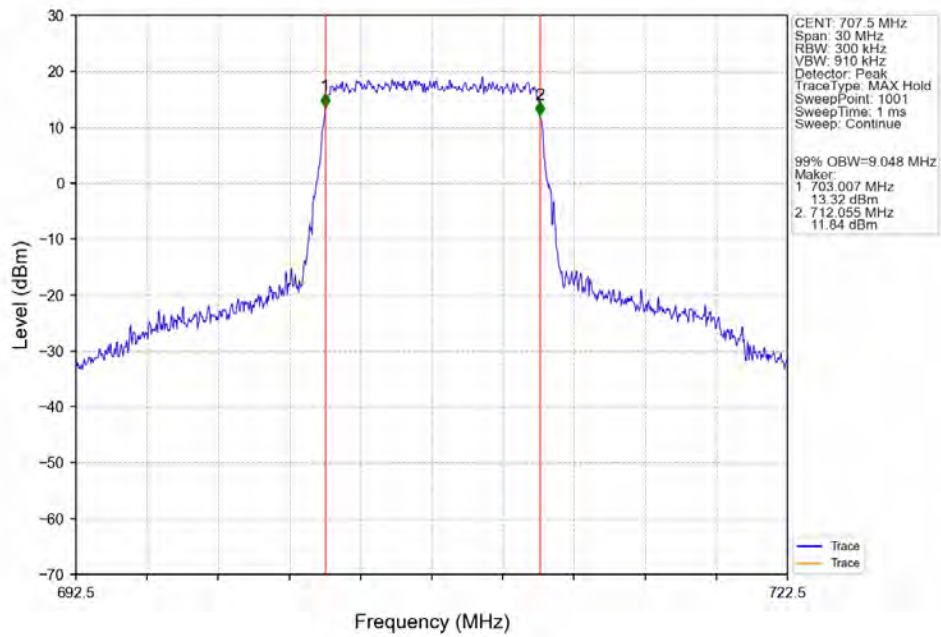
Band12 5MHz 64QAM HCH 713.5MHz RB 25 0 NTNV



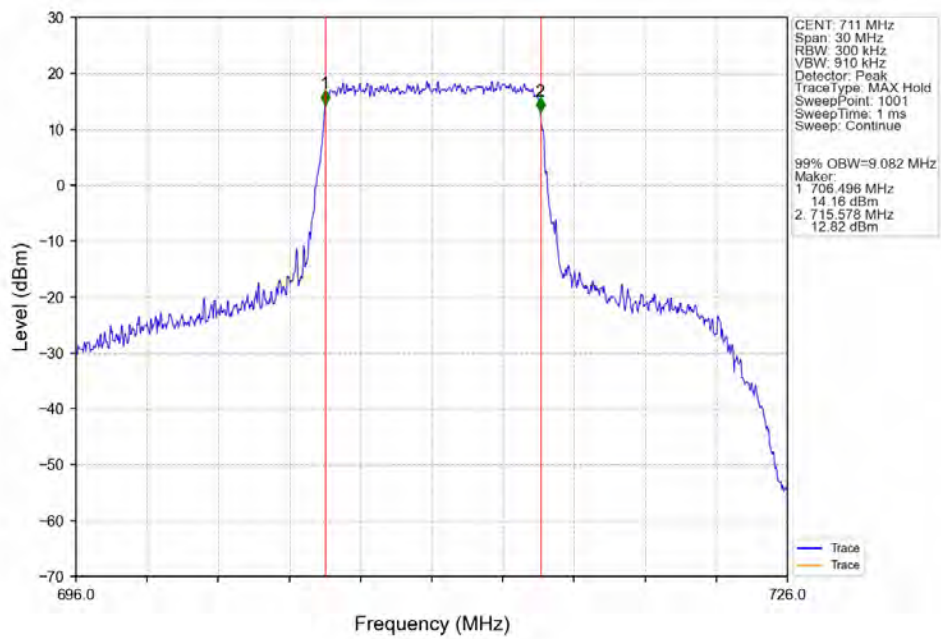
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



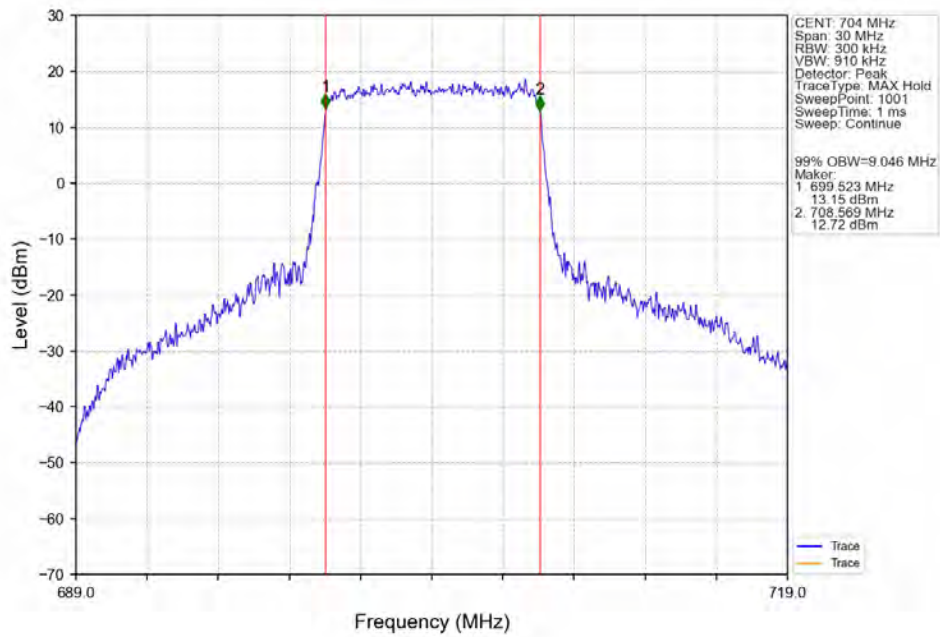
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



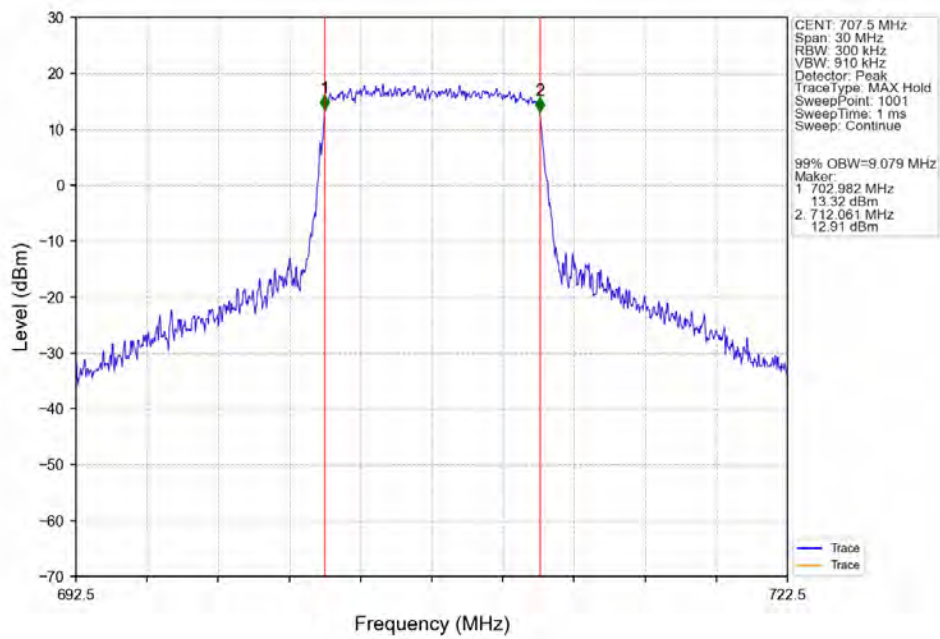
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



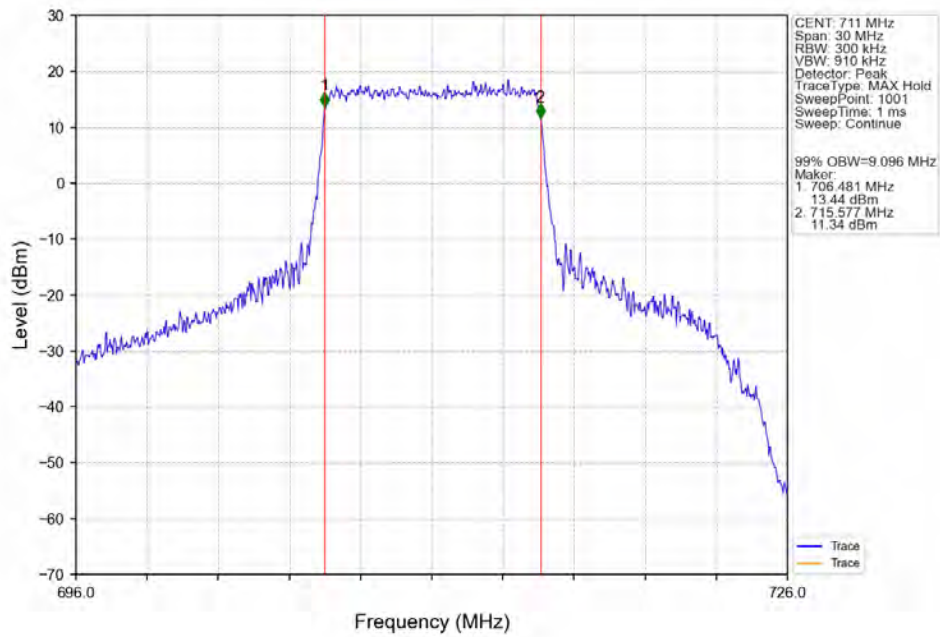
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



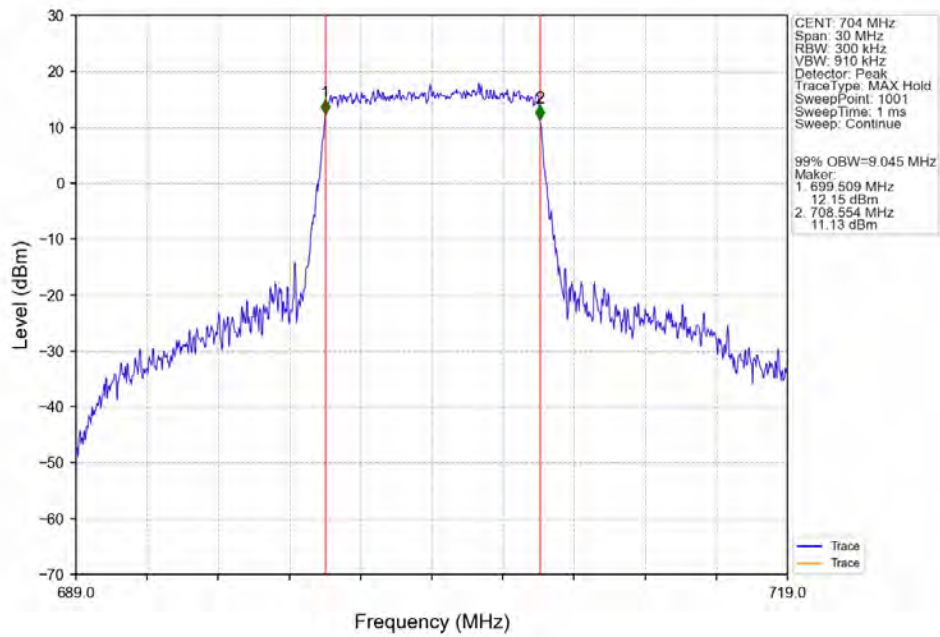
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



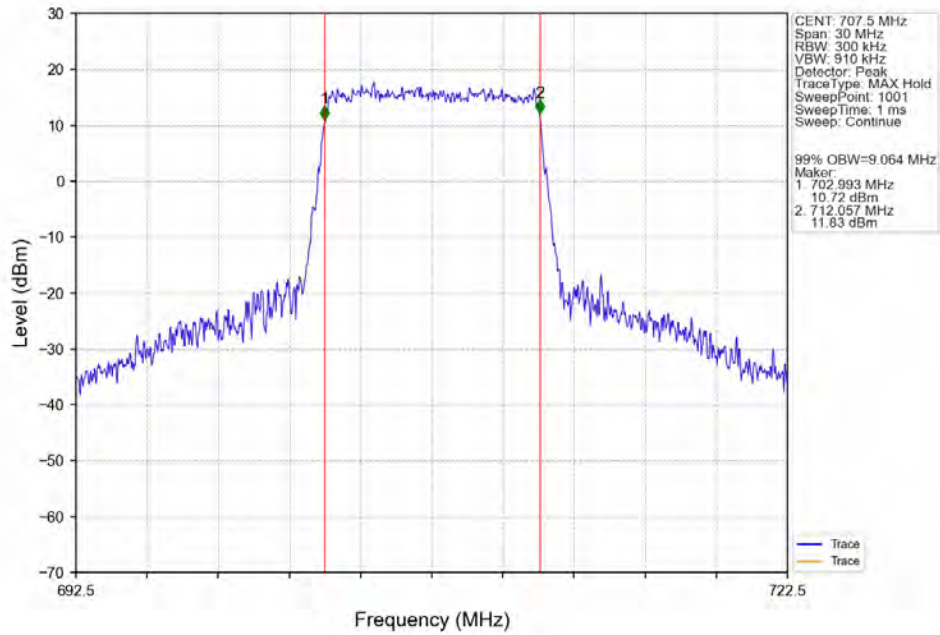
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



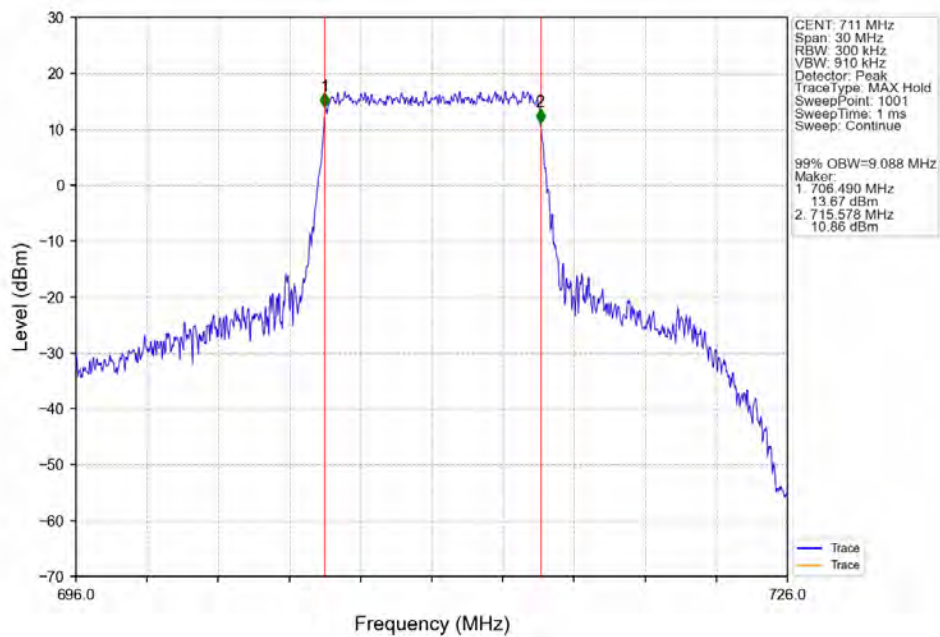
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



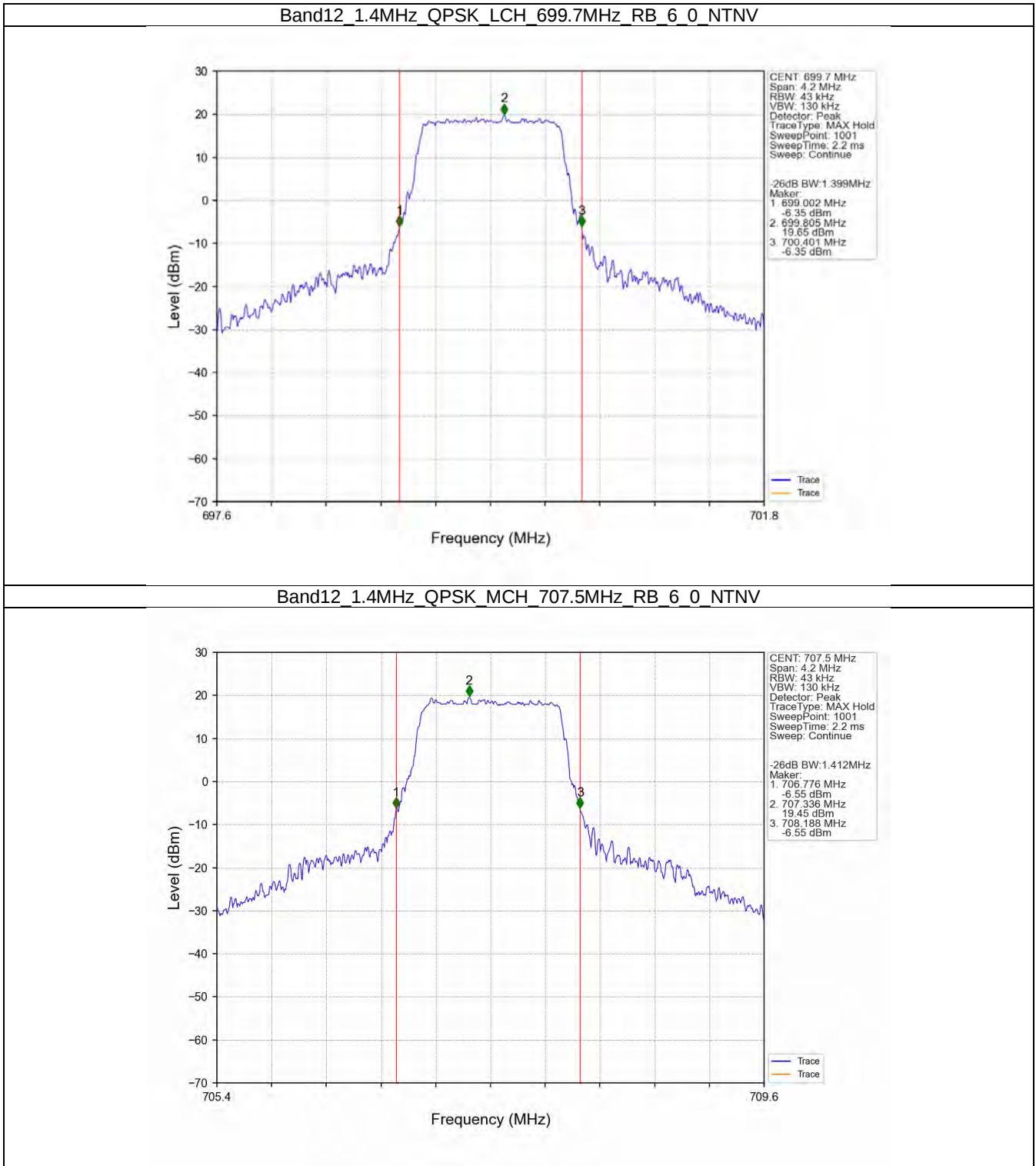
Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



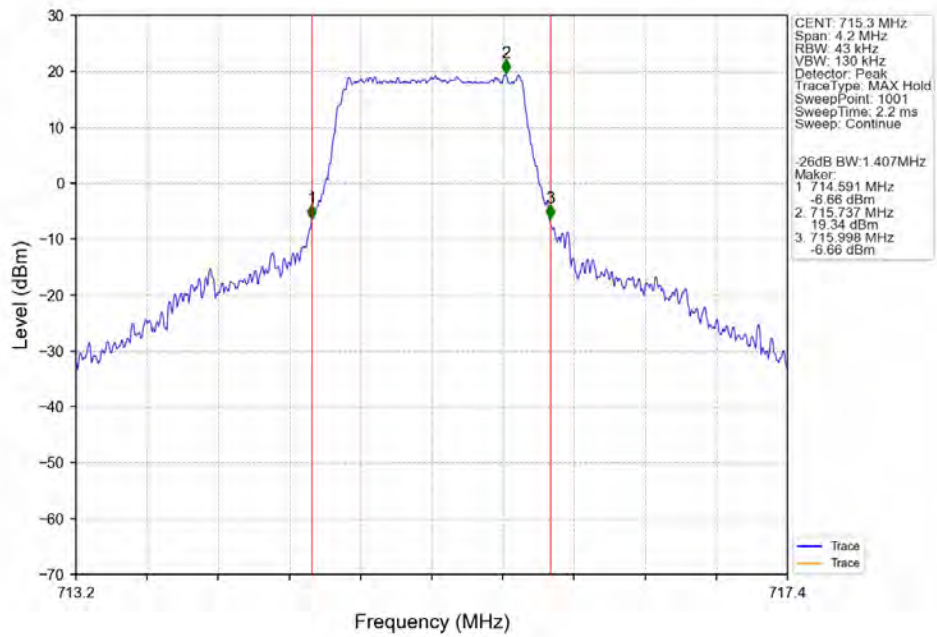
Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



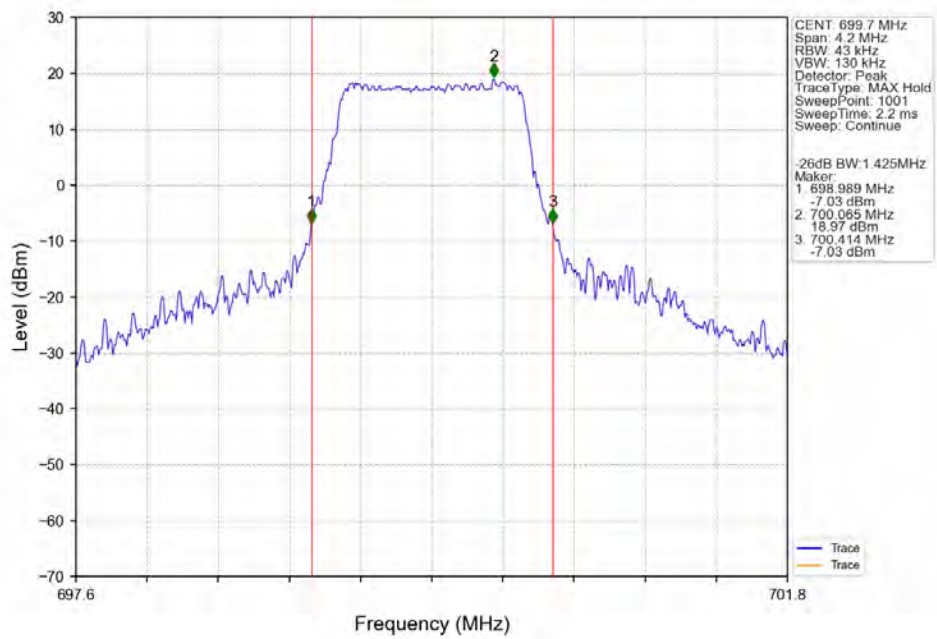
3.2.2 Band12_XDB



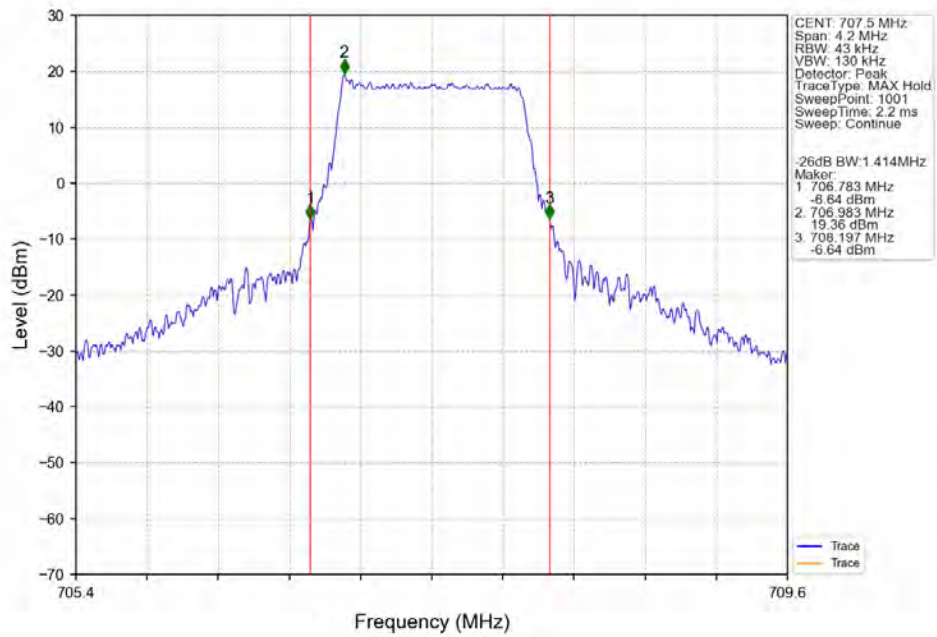
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



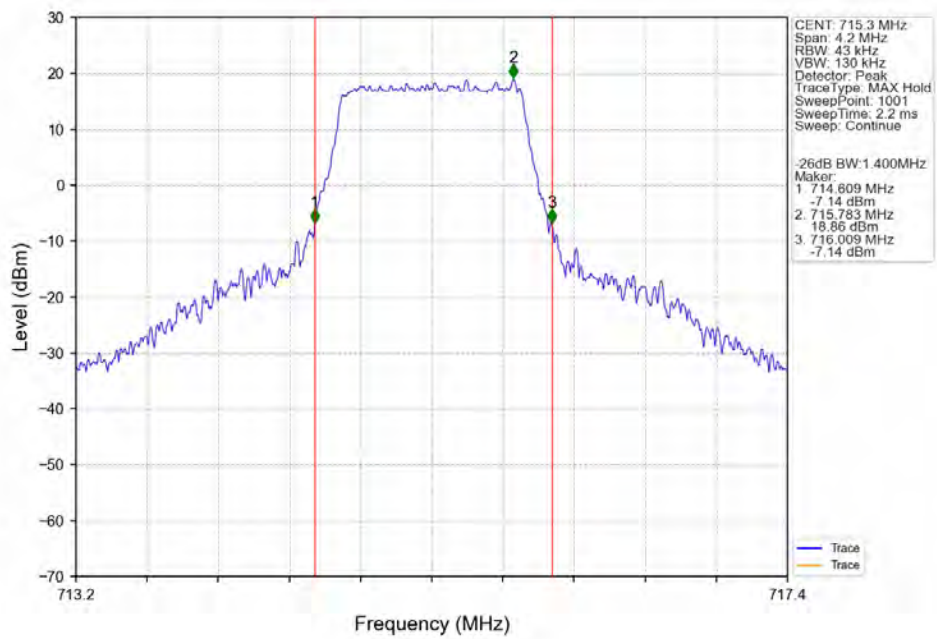
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



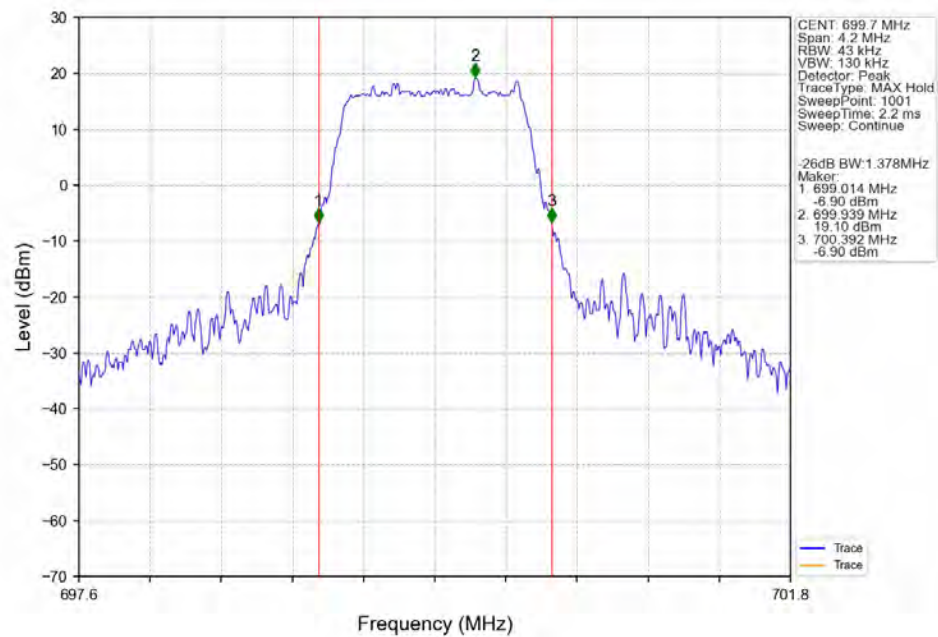
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



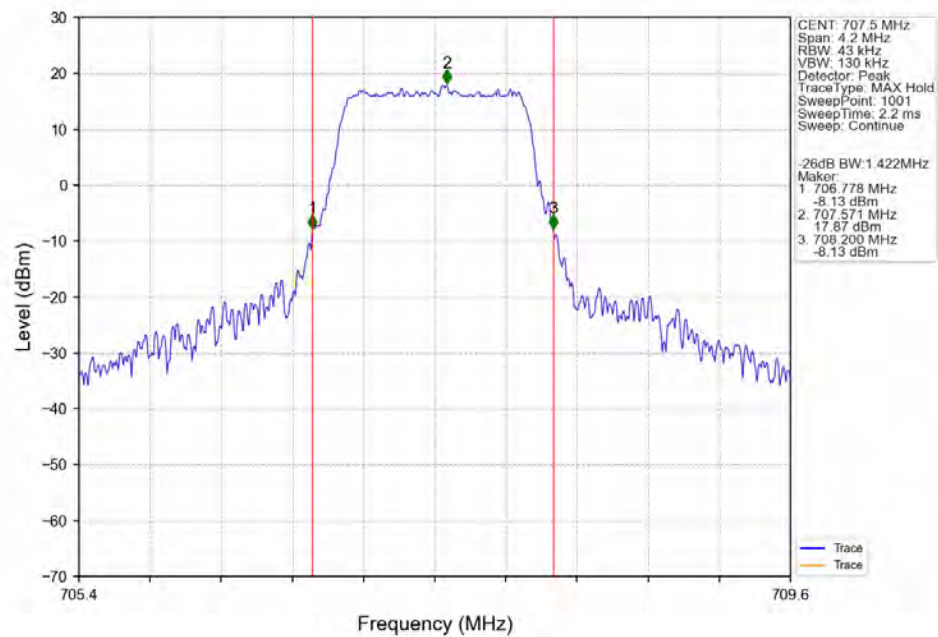
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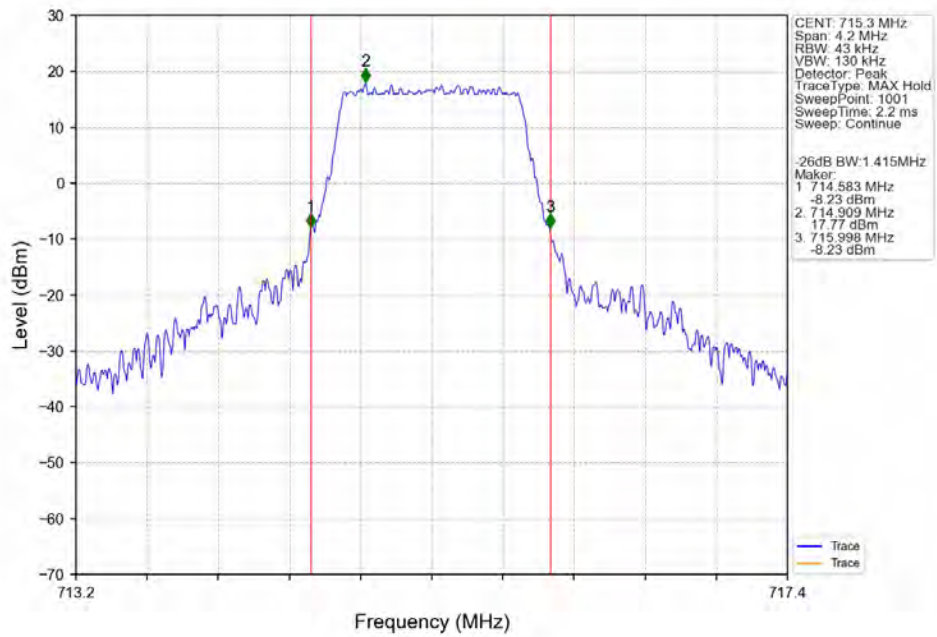
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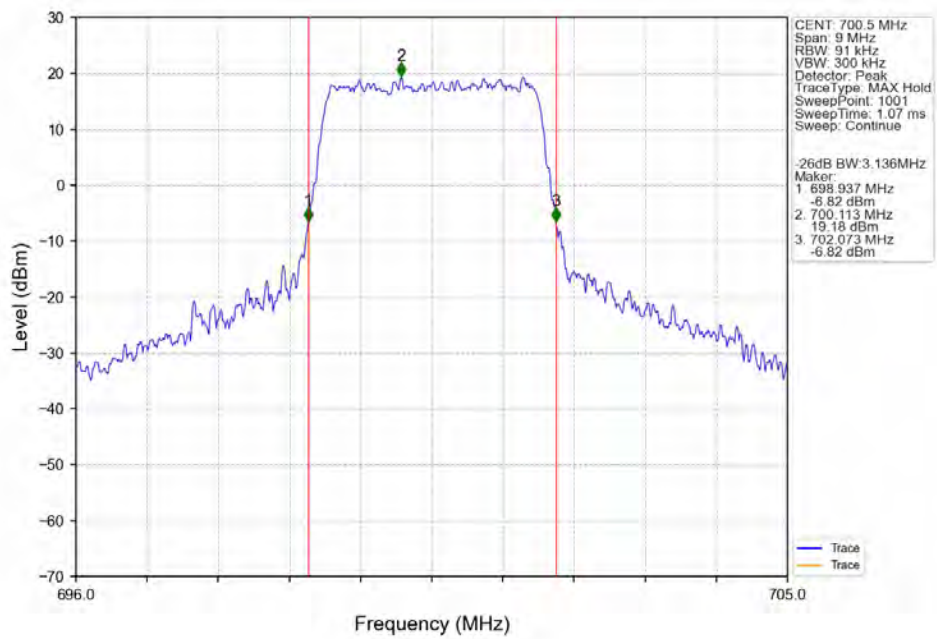
Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTNV



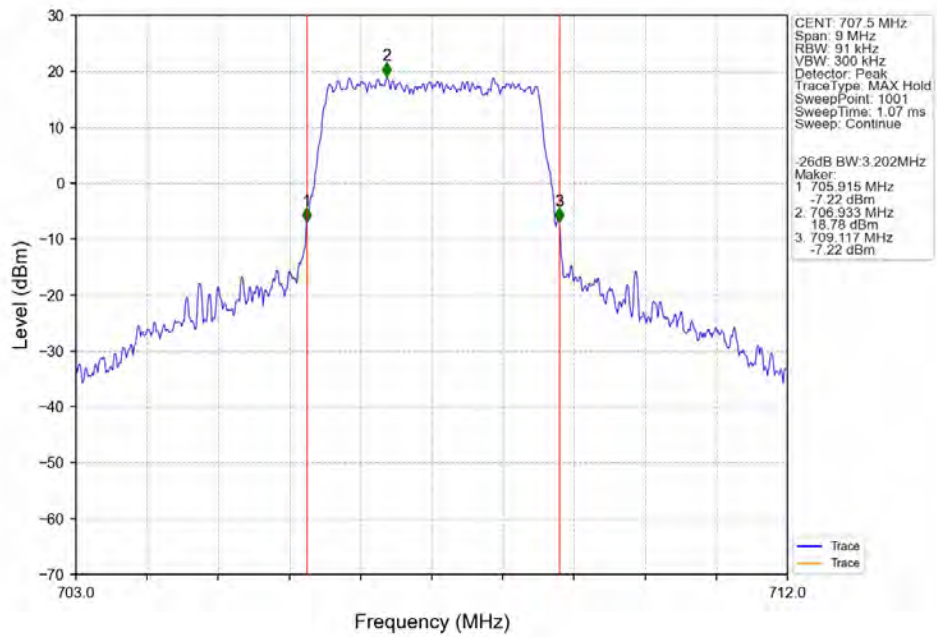
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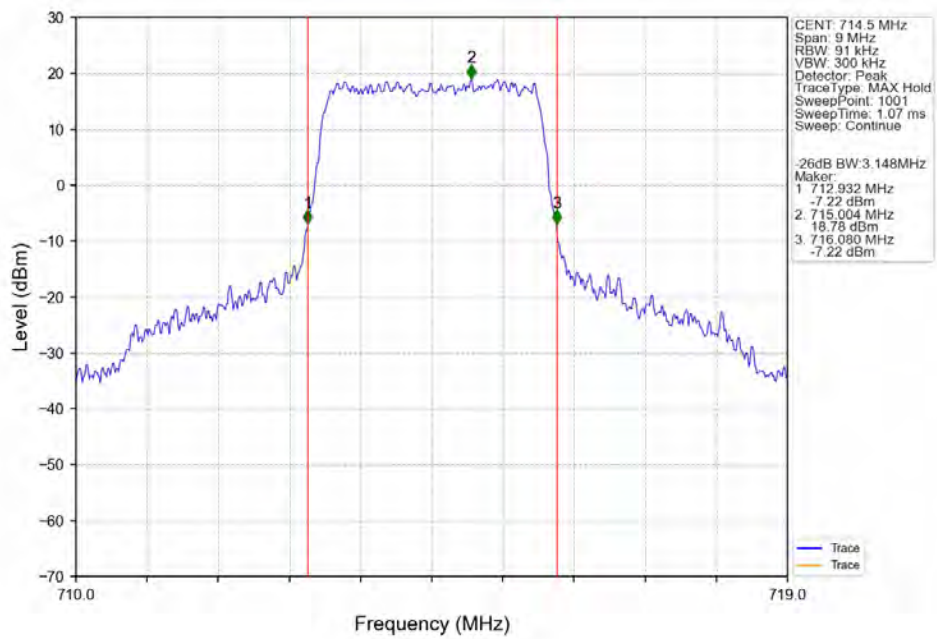
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



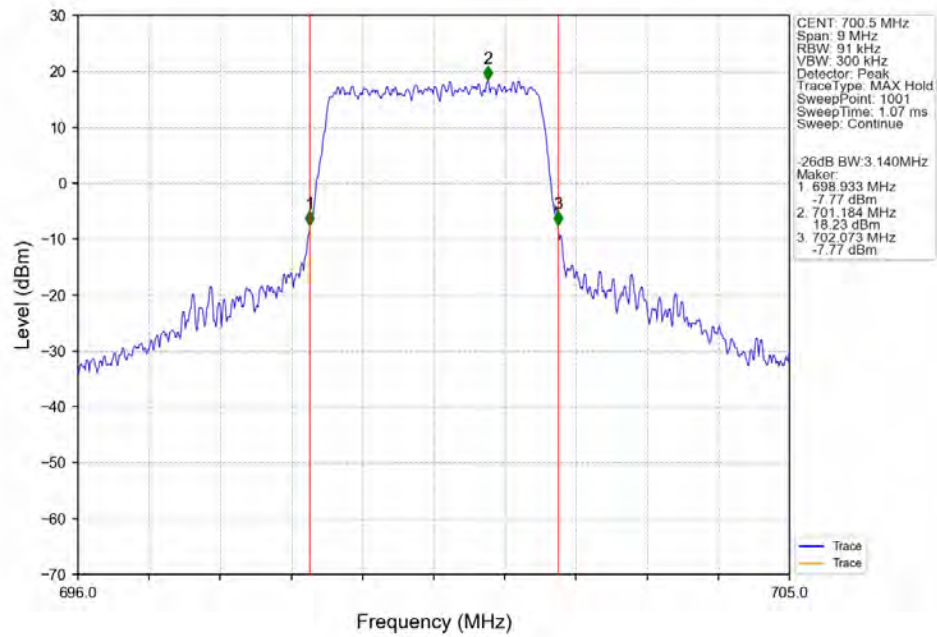
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTNV



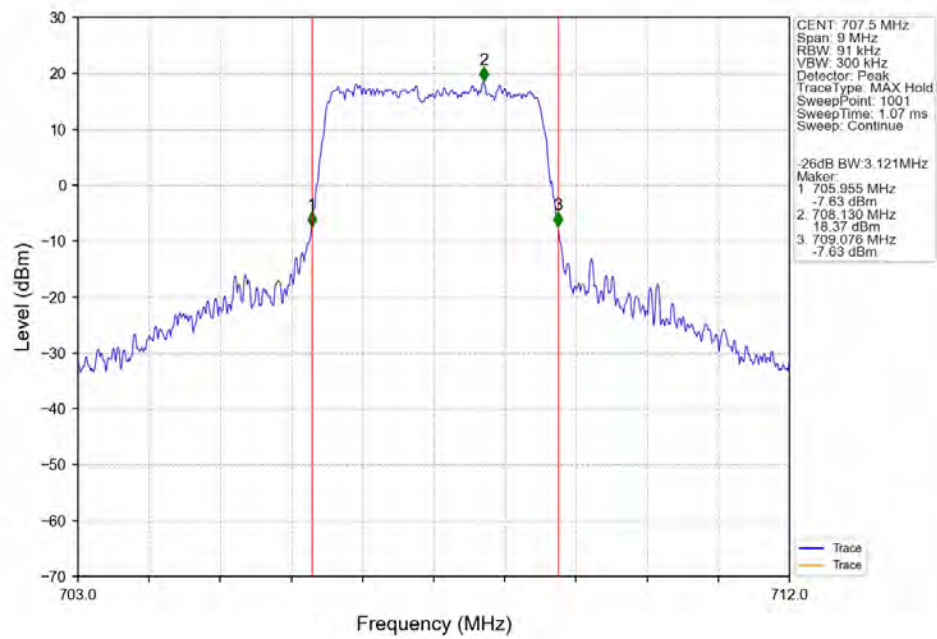
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



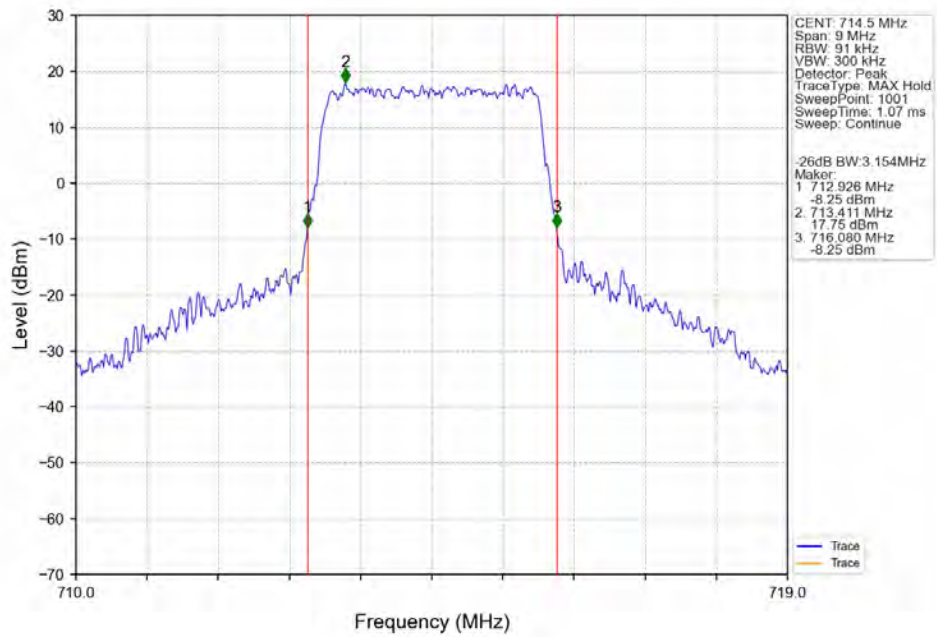
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



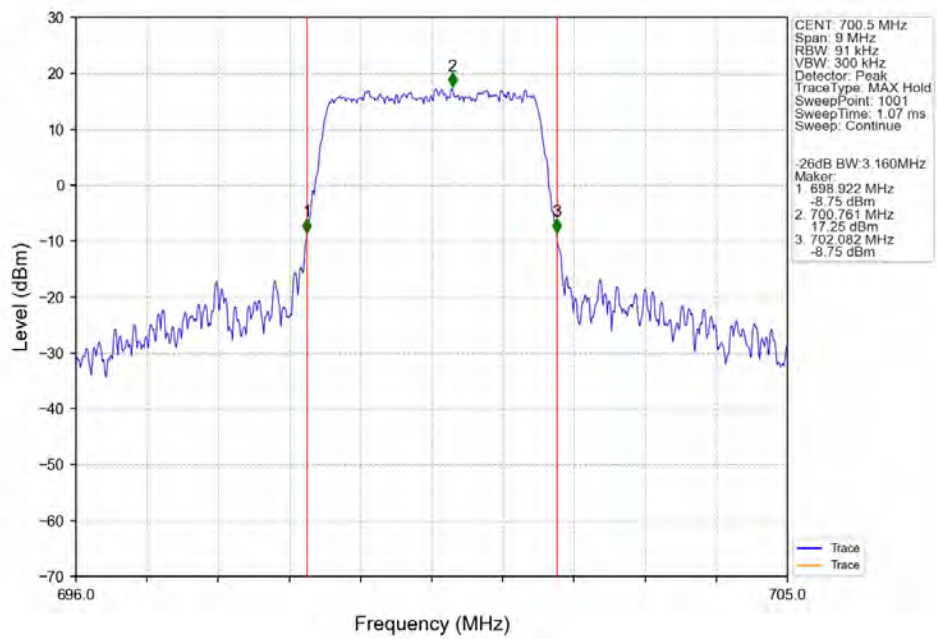
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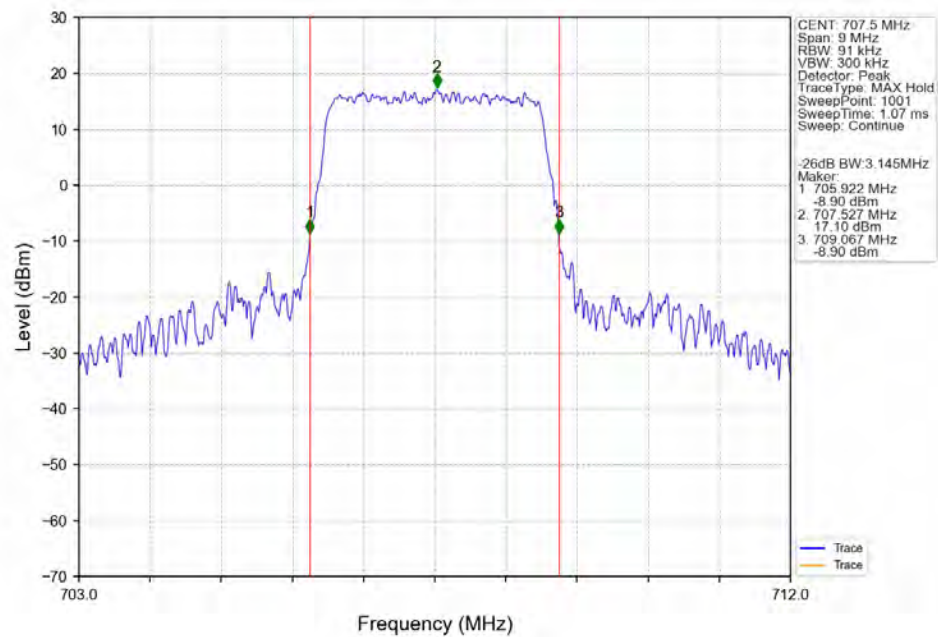
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



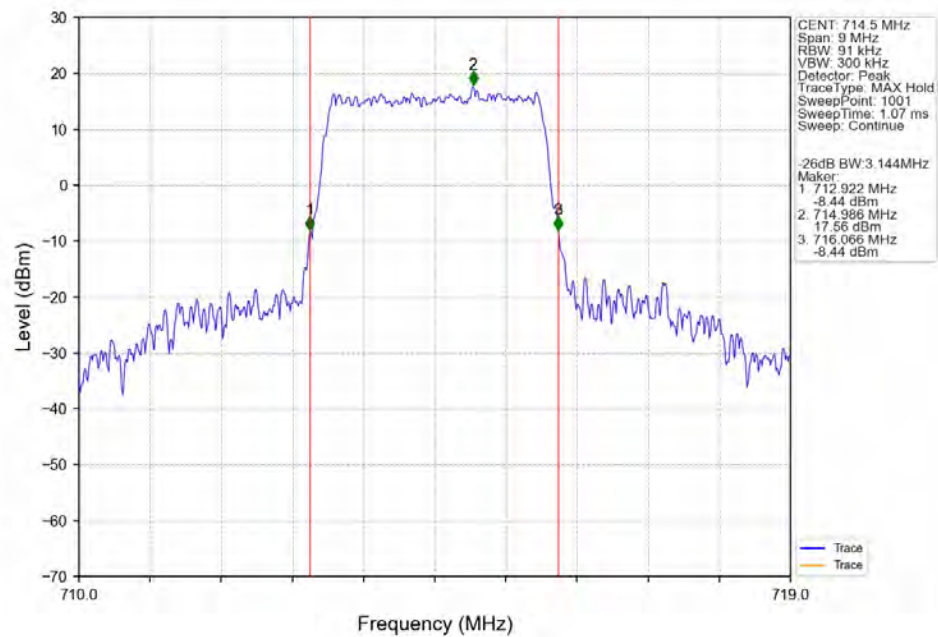
Band12 3MHz 64QAM LCH 700.5MHz RB 15 0 NTNV



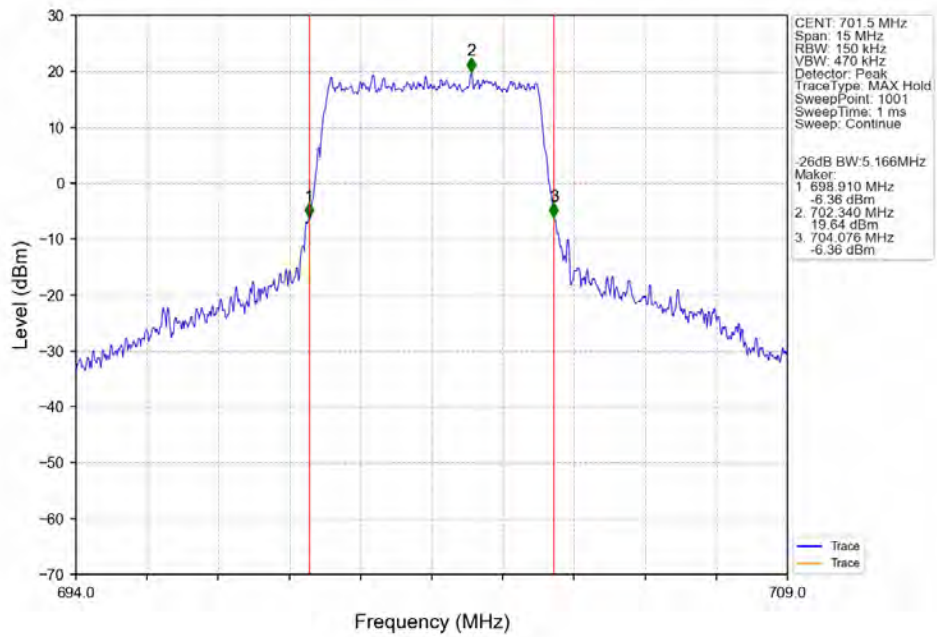
Band12 3MHz 64QAM MCH 707.5MHz RB 15 0 NTNV



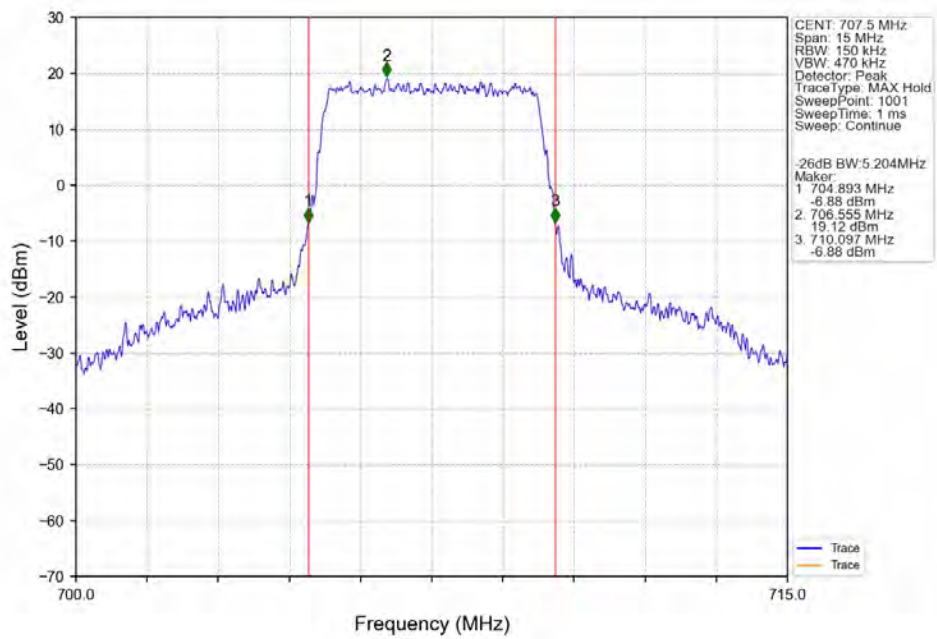
Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



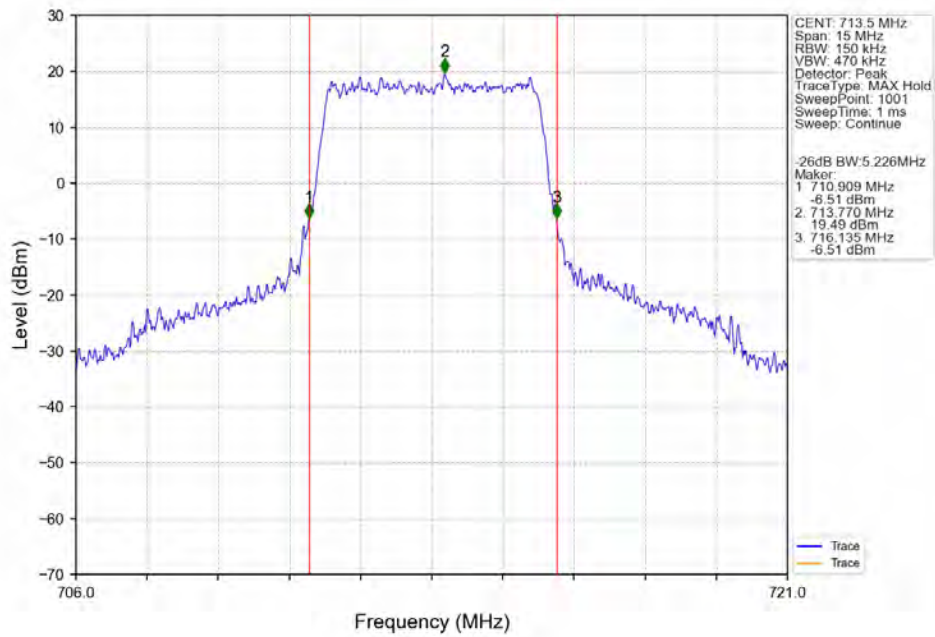
Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV



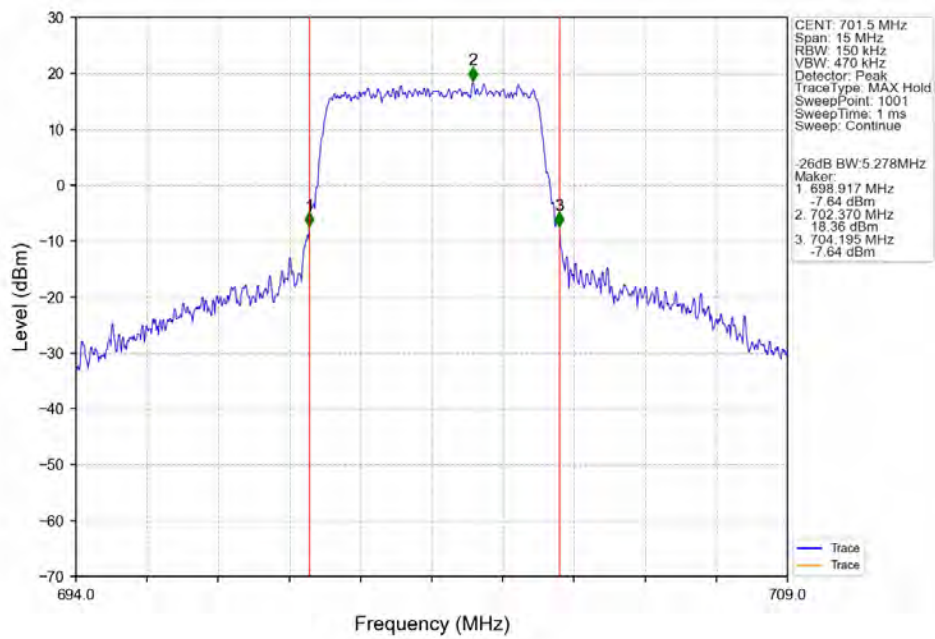
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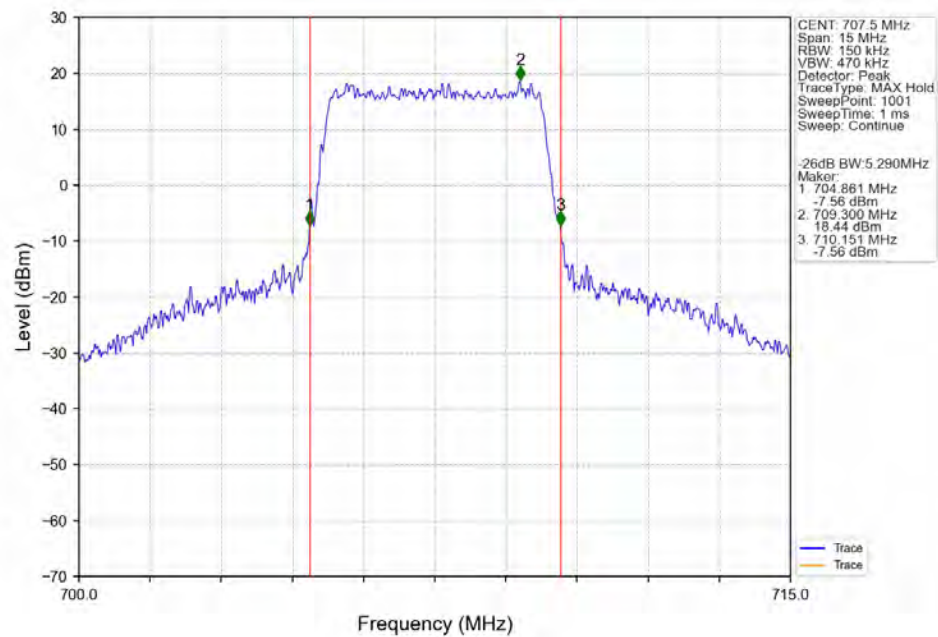
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



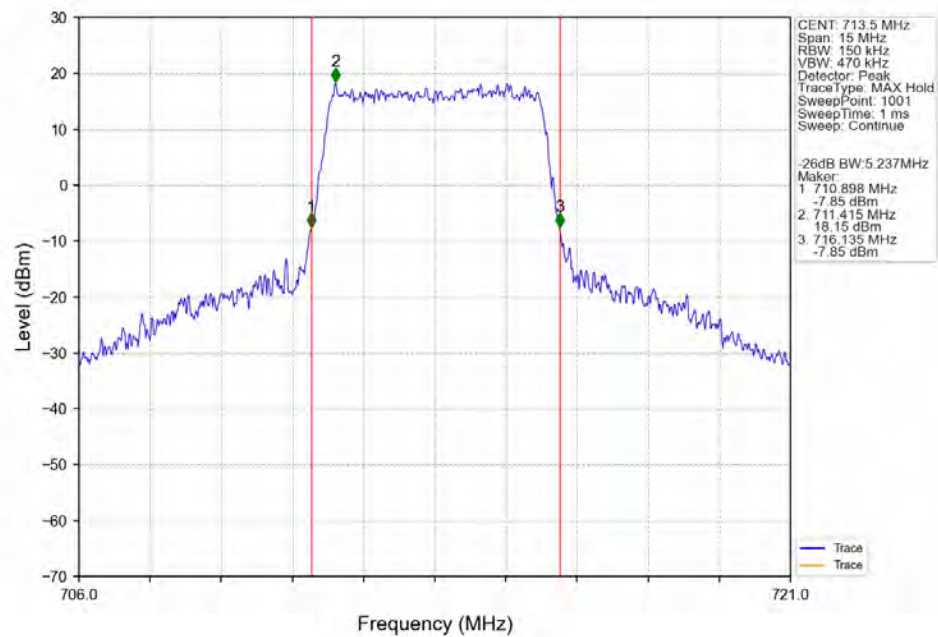
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



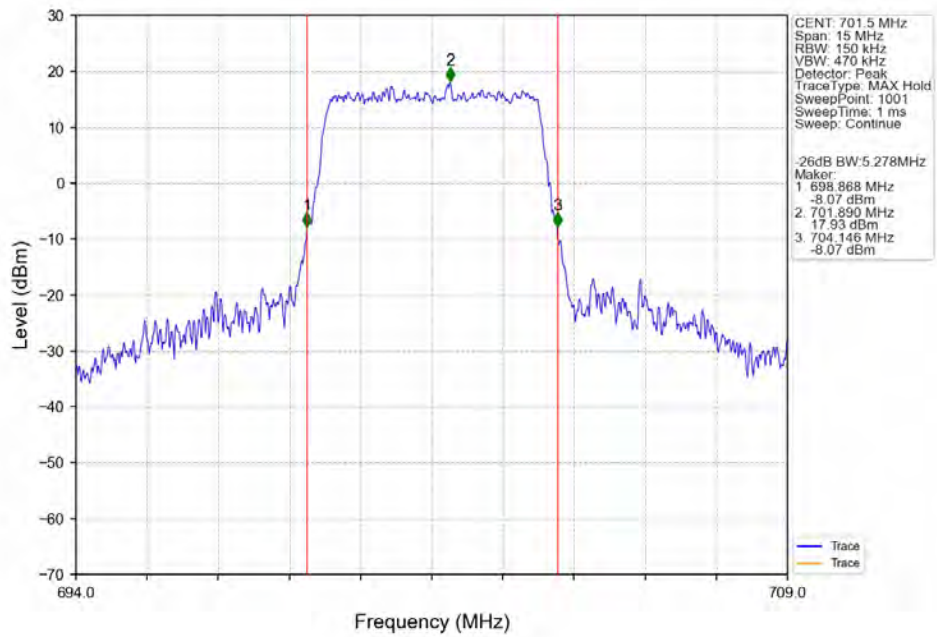
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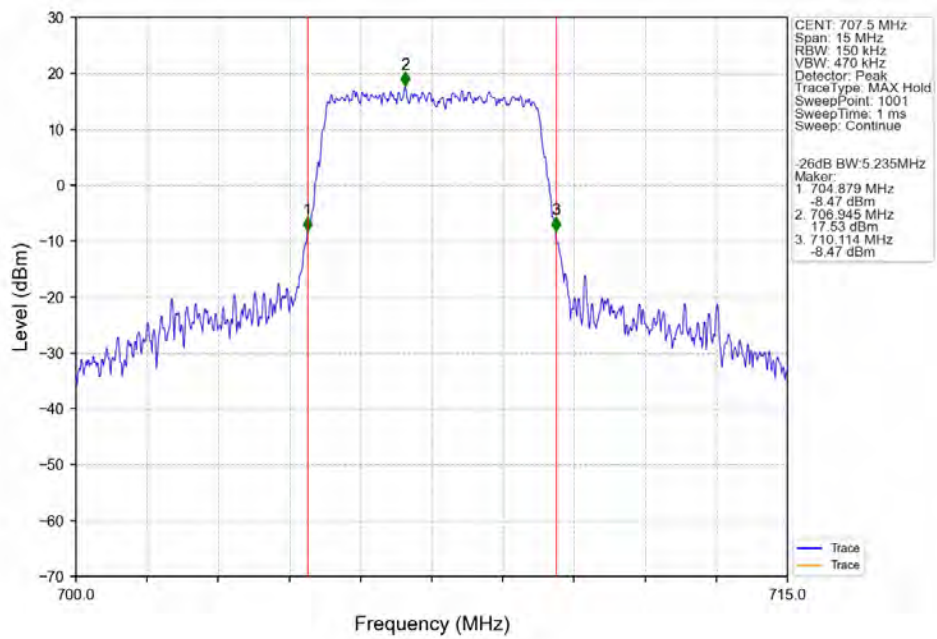
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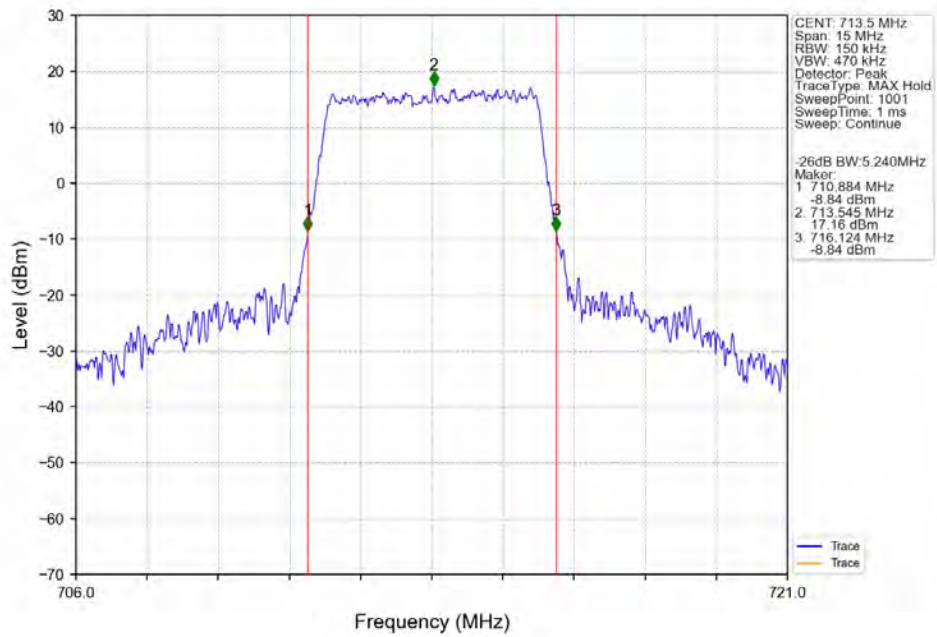
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



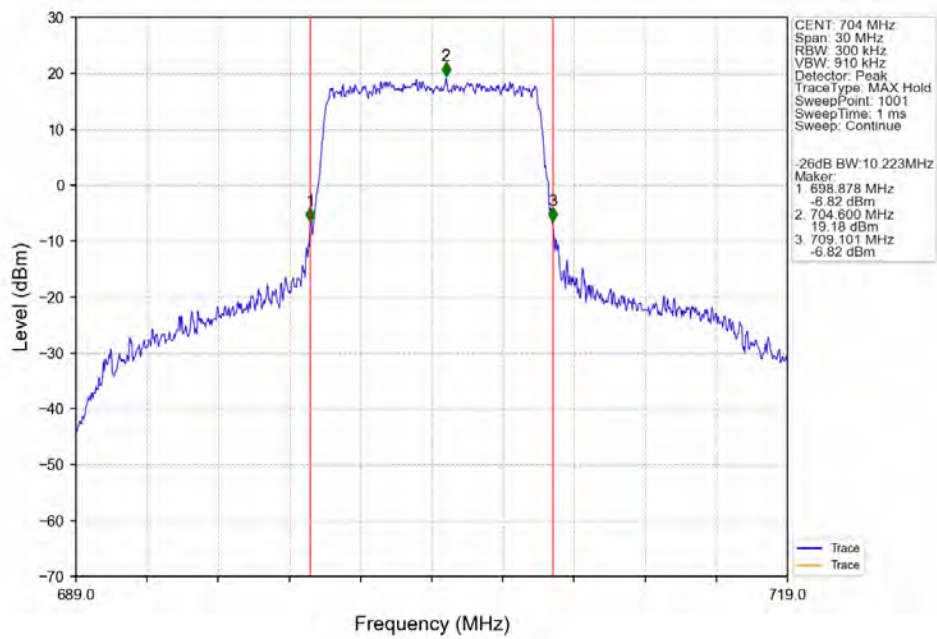
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



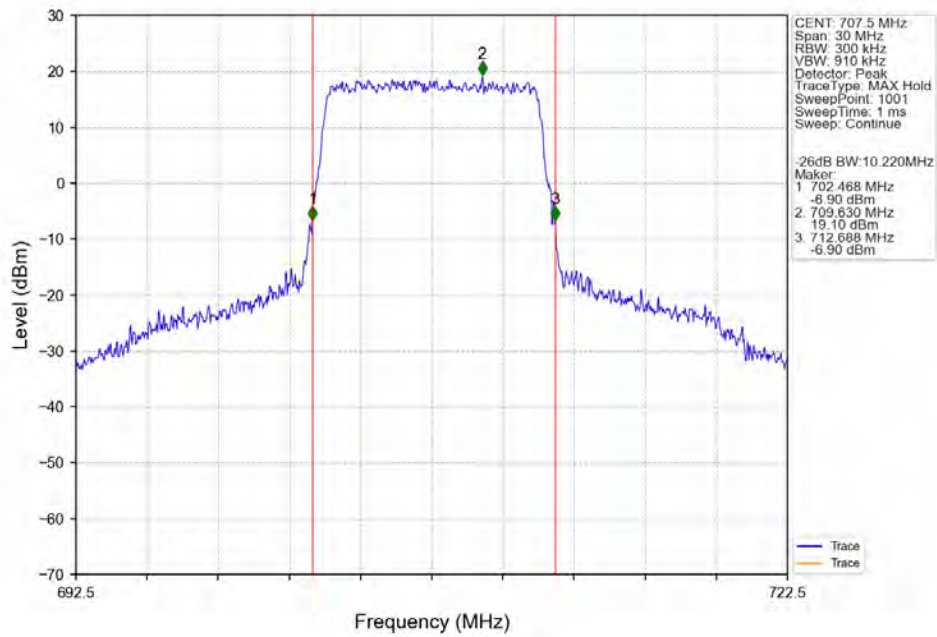
Band12 5MHz 64QAM HCH 713.5MHz RB 25 0 NTN



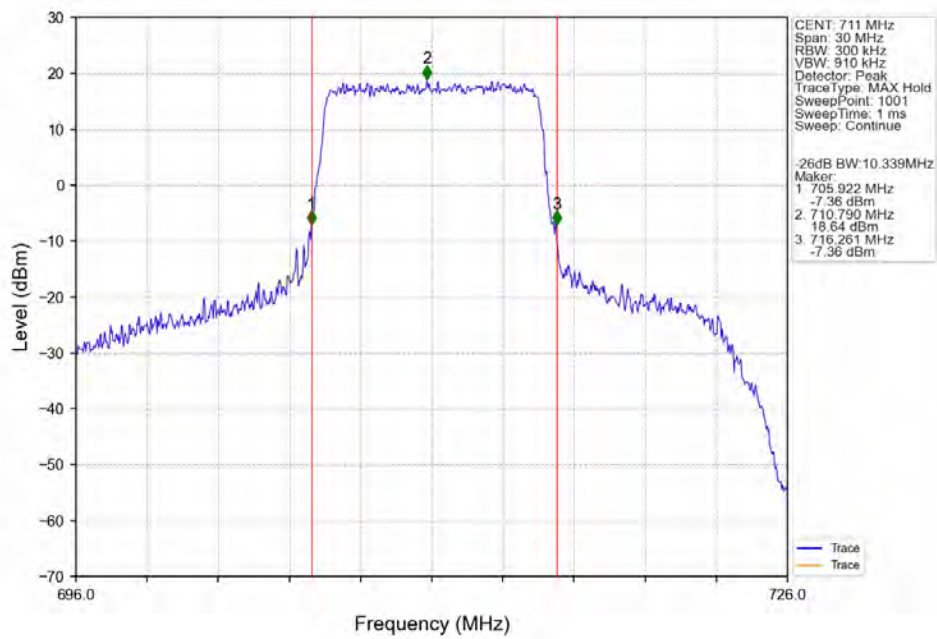
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0 NTN



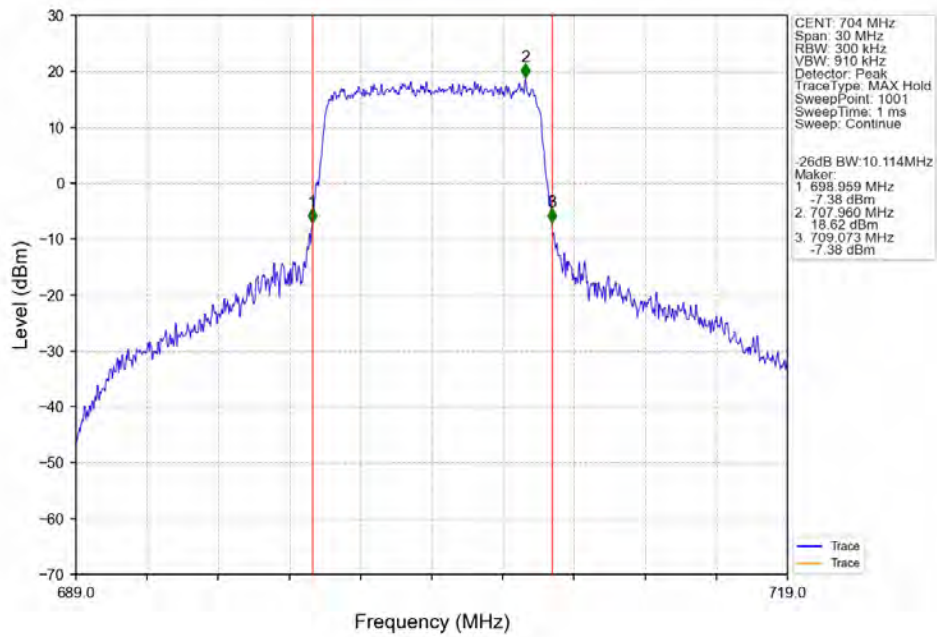
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



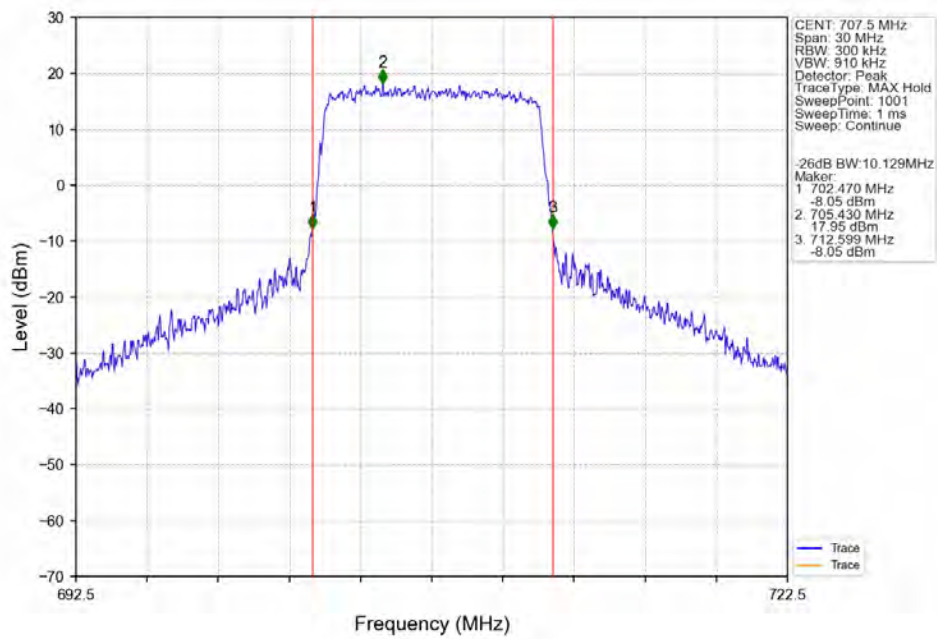
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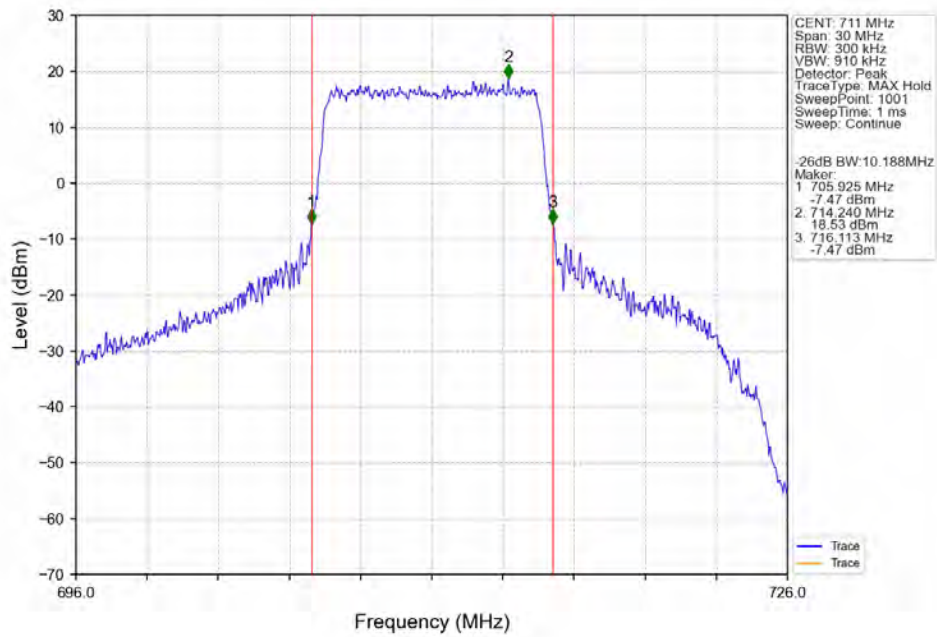
Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTNV



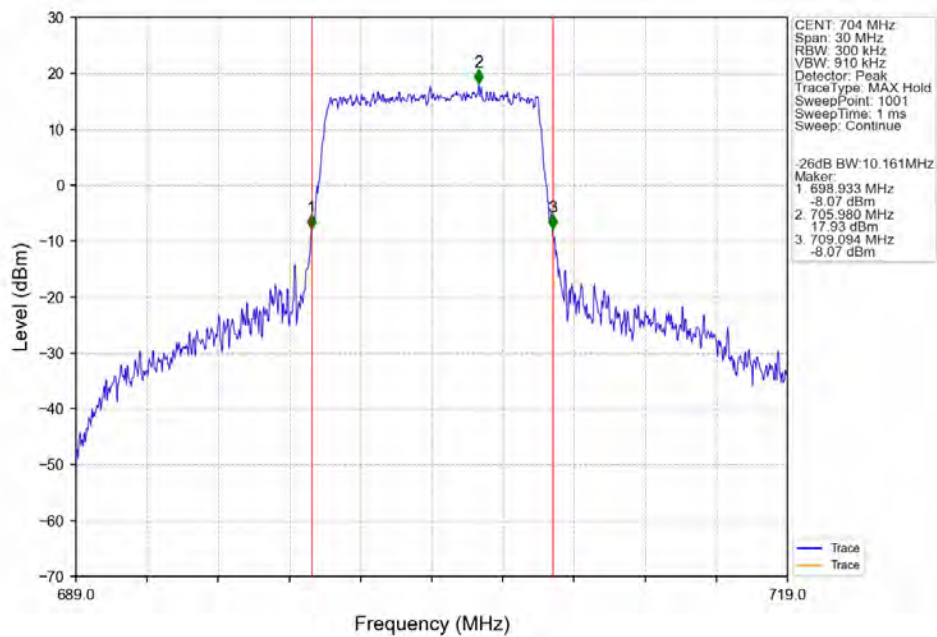
Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTNV



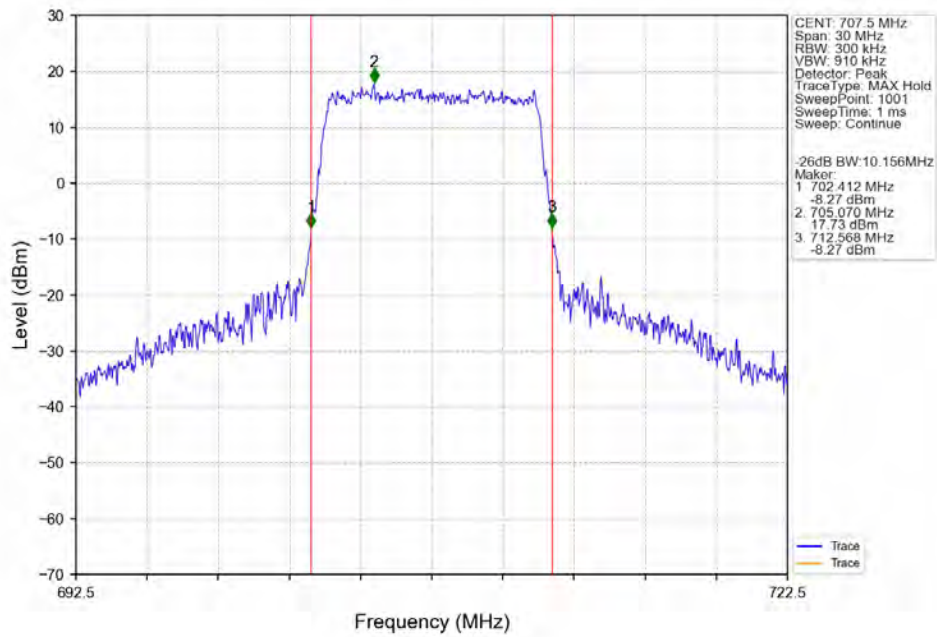
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



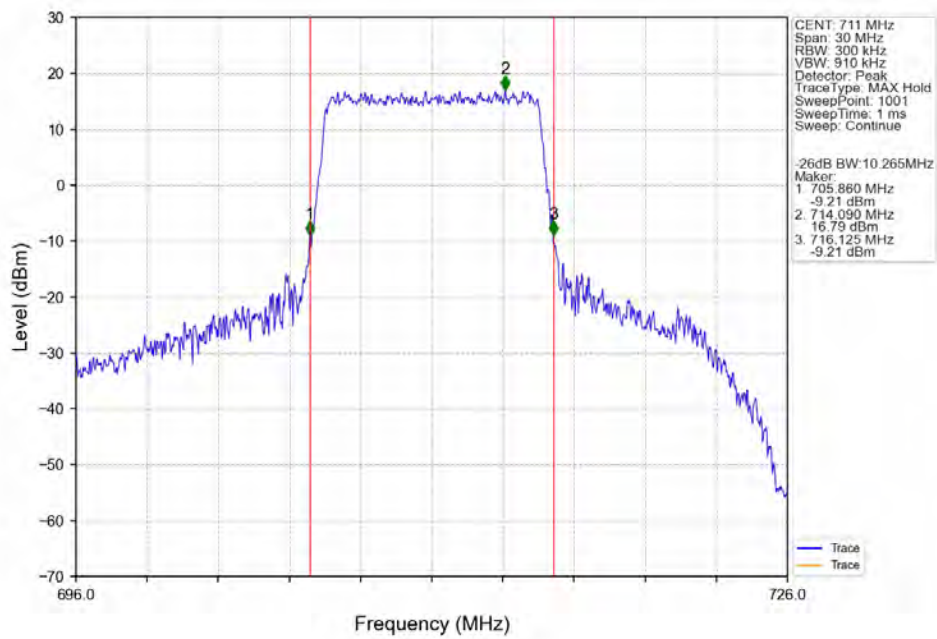
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



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	4.90	<=13	Pass
	707.5	6	0	4.81	<=13	Pass
	715.3	6	0	4.57	<=13	Pass
16QAM	699.7	6	0	5.81	<=13	Pass
	707.5	6	0	5.74	<=13	Pass
	715.3	6	0	5.48	<=13	Pass
64QAM	699.7	6	0	6.40	<=13	Pass
	707.5	6	0	6.35	<=13	Pass
	715.3	6	0	6.13	<=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	5.16	<=13	Pass
	707.5	15	0	5.07	<=13	Pass
	714.5	15	0	4.96	<=13	Pass
16QAM	700.5	15	0	6.03	<=13	Pass
	707.5	15	0	5.94	<=13	Pass
	714.5	15	0	5.83	<=13	Pass
64QAM	700.5	15	0	6.45	<=13	Pass
	707.5	15	0	6.38	<=13	Pass
	714.5	15	0	6.30	<=13	Pass

4.1.3 B12_5MHz

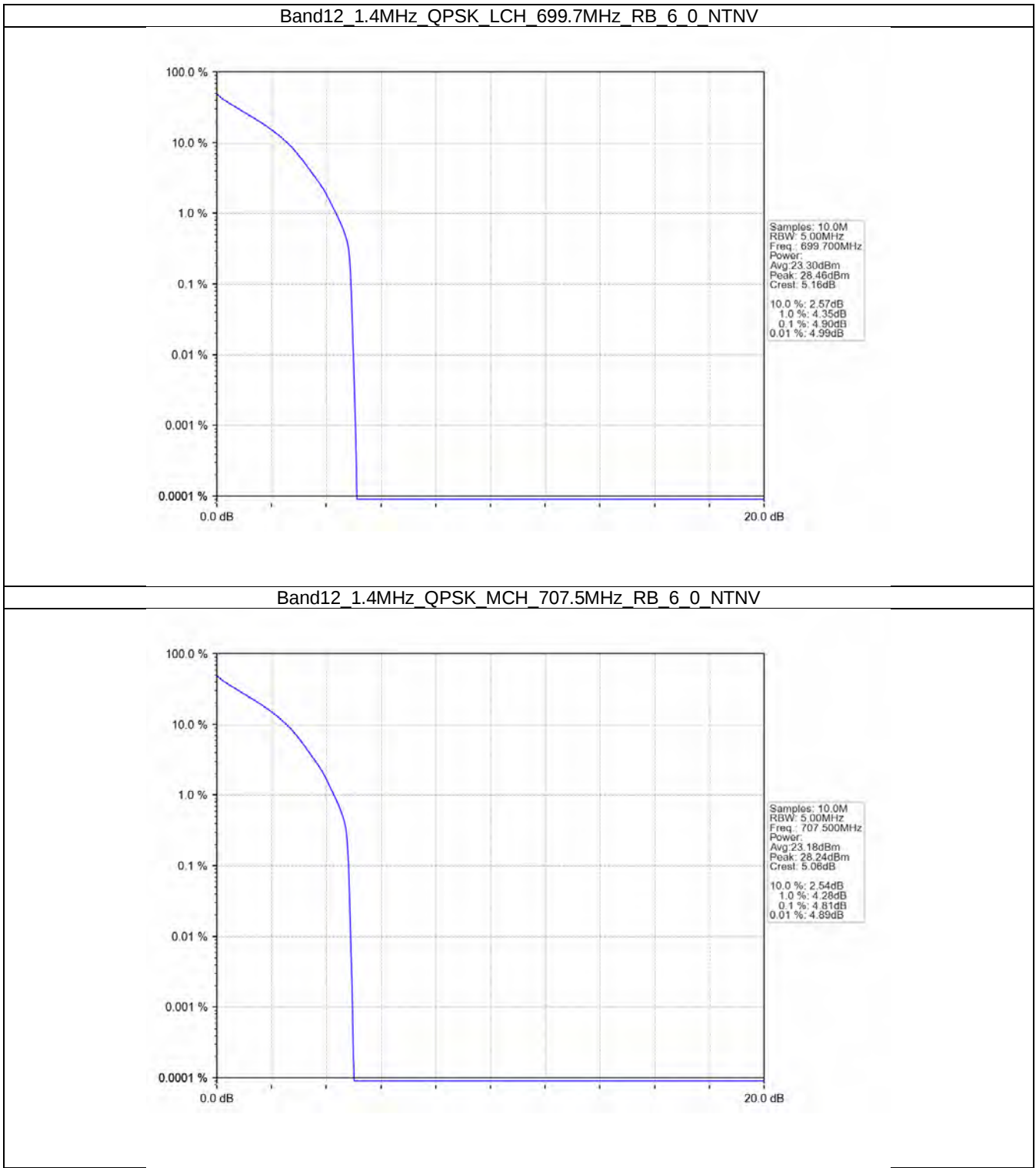
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.34	<=13	Pass
	707.5	25	0	5.36	<=13	Pass
	713.5	25	0	5.32	<=13	Pass
16QAM	701.5	25	0	6.15	<=13	Pass
	707.5	25	0	6.12	<=13	Pass
	713.5	25	0	6.11	<=13	Pass
64QAM	701.5	25	0	6.47	<=13	Pass
	707.5	25	0	6.45	<=13	Pass
	713.5	25	0	6.43	<=13	Pass

4.1.4 B12_10MHz

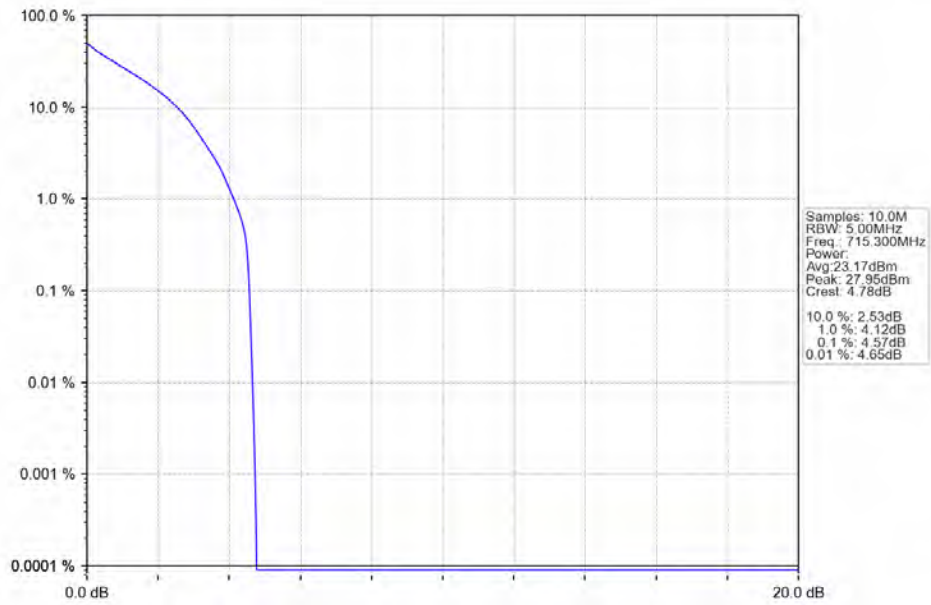
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.26	<=13	Pass
	707.5	50	0	5.31	<=13	Pass
	711	50	0	5.35	<=13	Pass
16QAM	704	50	0	6.06	<=13	Pass
	707.5	50	0	6.10	<=13	Pass
	711	50	0	6.13	<=13	Pass
64QAM	704	50	0	6.41	<=13	Pass
	707.5	50	0	6.43	<=13	Pass
	711	50	0	6.45	<=13	Pass

4.2 Test Graph

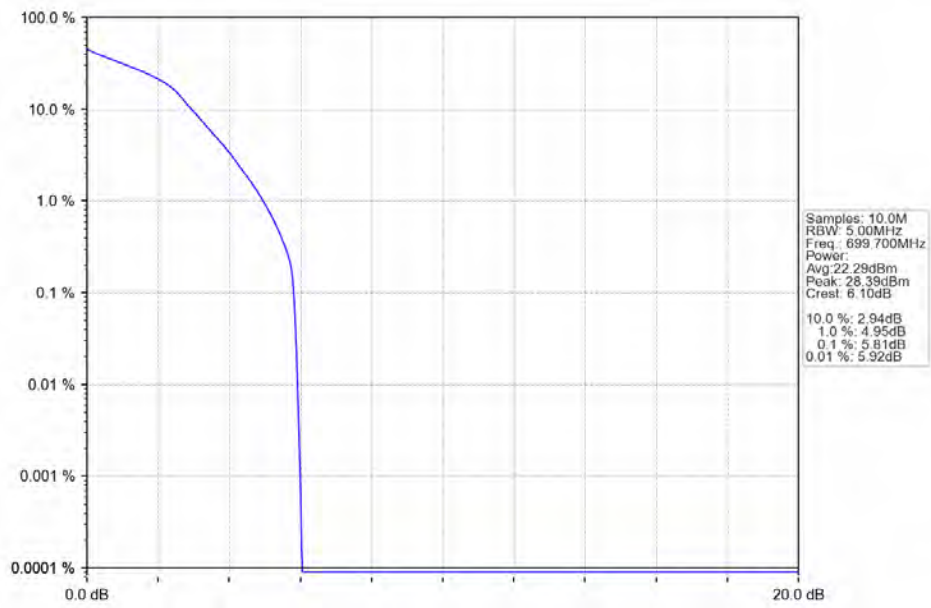
4.2.1 B12_1.4MHz



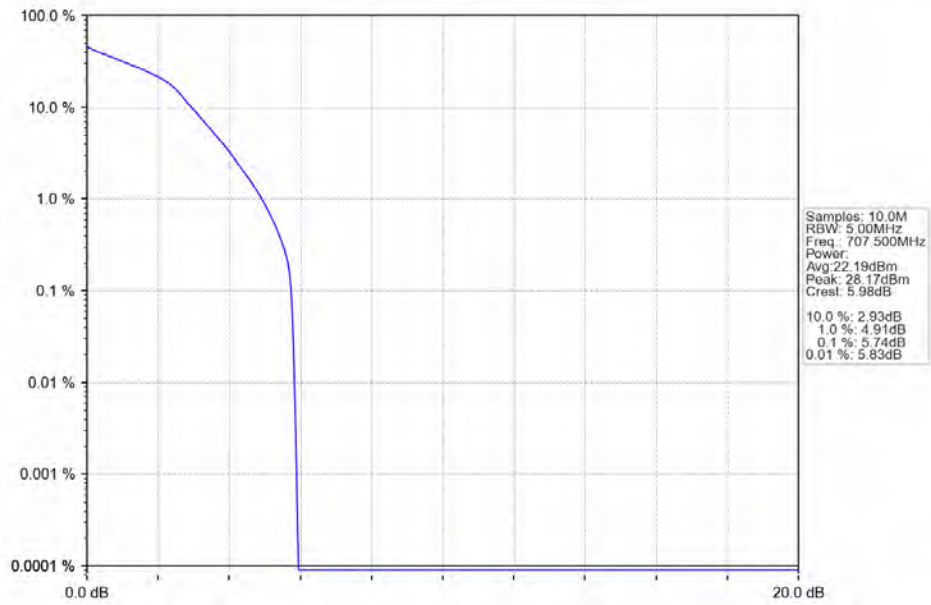
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



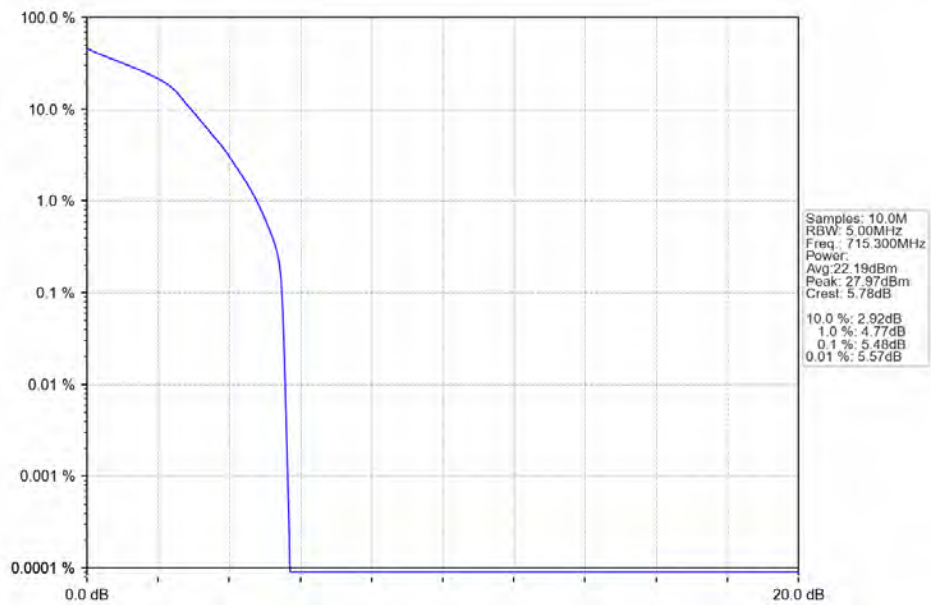
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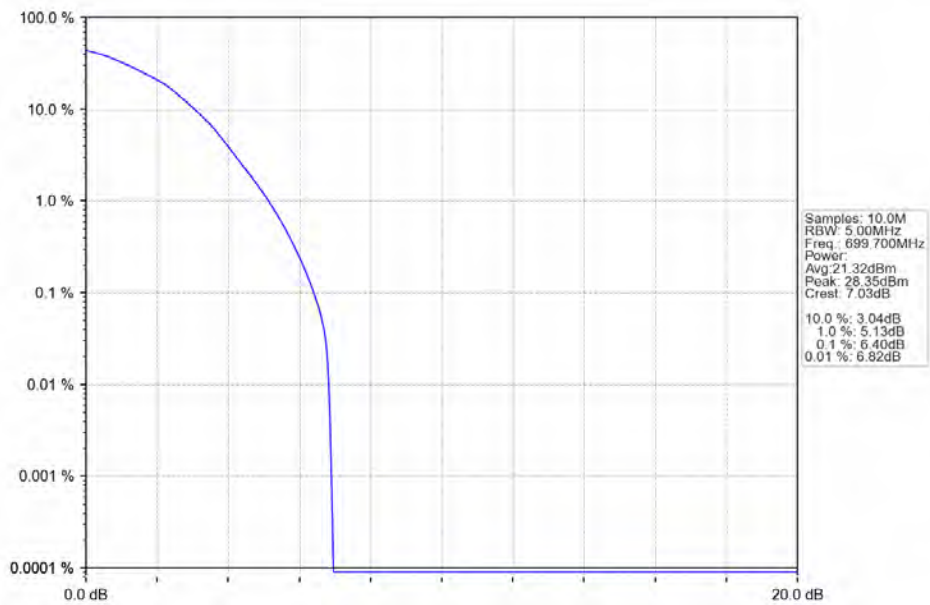
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6.0 NTNV



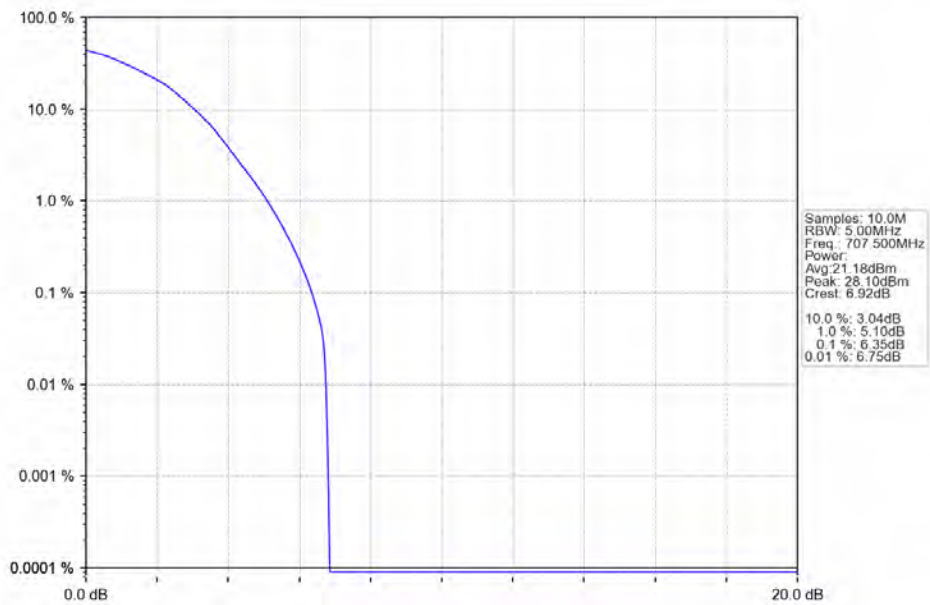
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6.0 NTNV



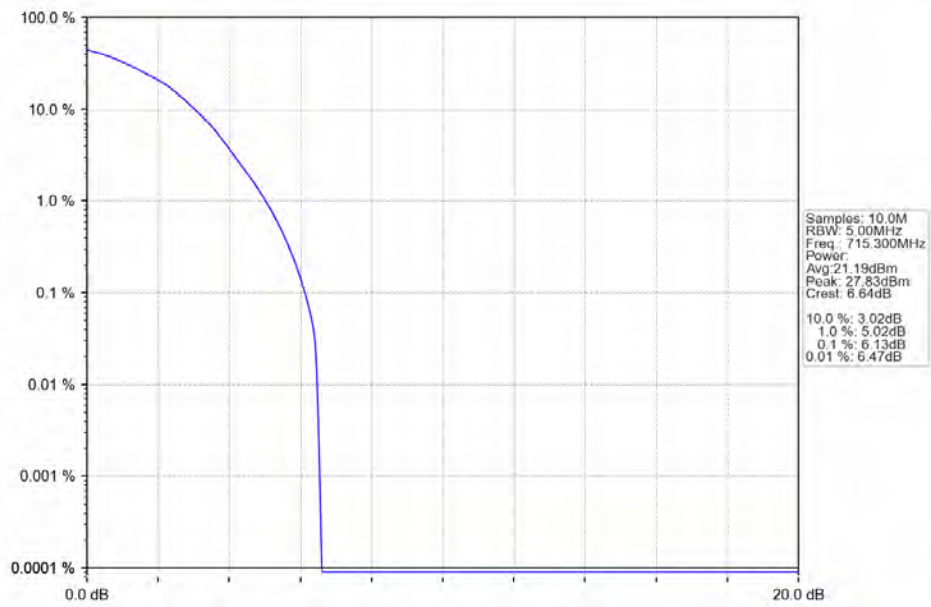
Band12 1.4MHz 64QAM LCH 699.7MHz RB 6 0 NTNV



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

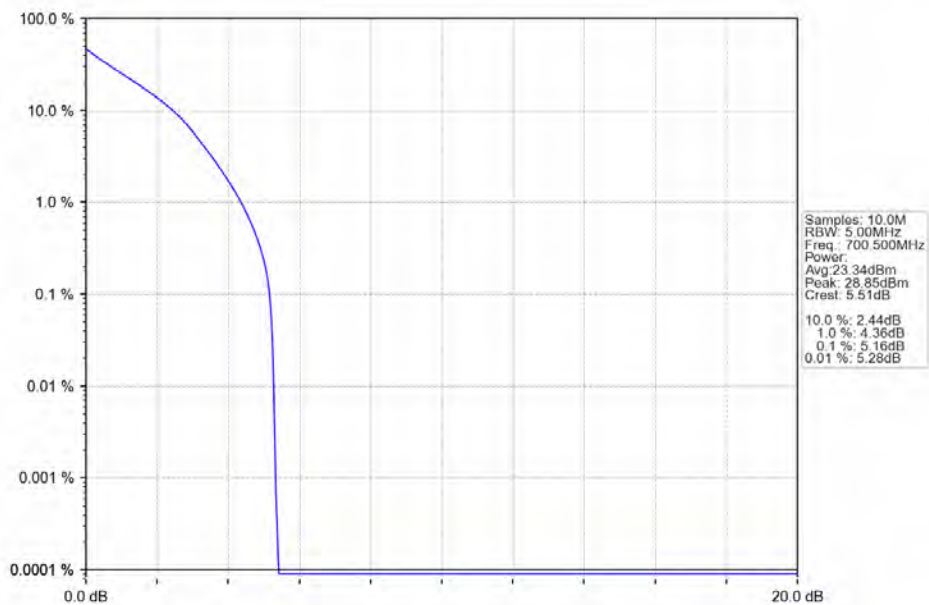


Band12 1.4MHz 64QAM HCH 715.3MHz RB 6 0 NTV

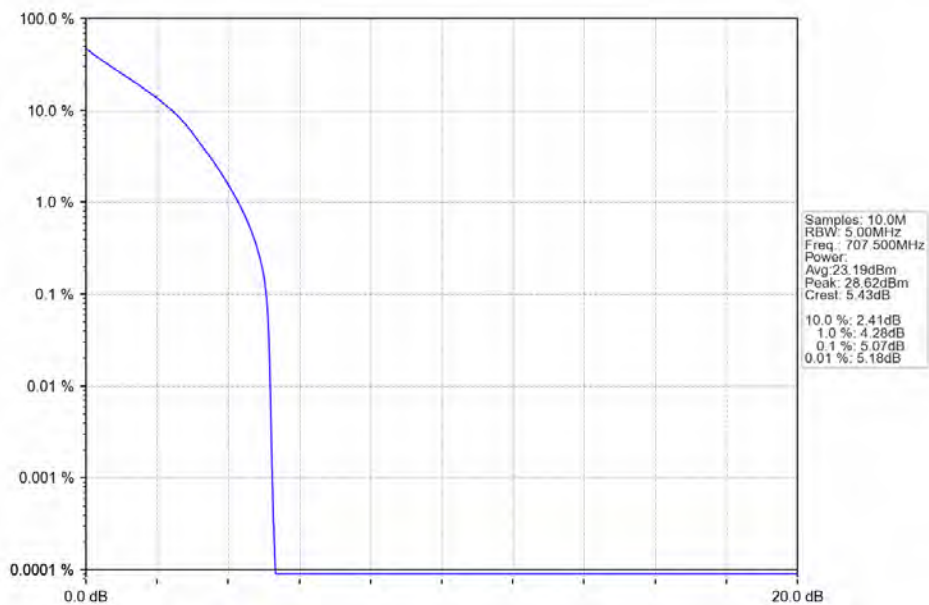


4.2.2 B12_3MHz

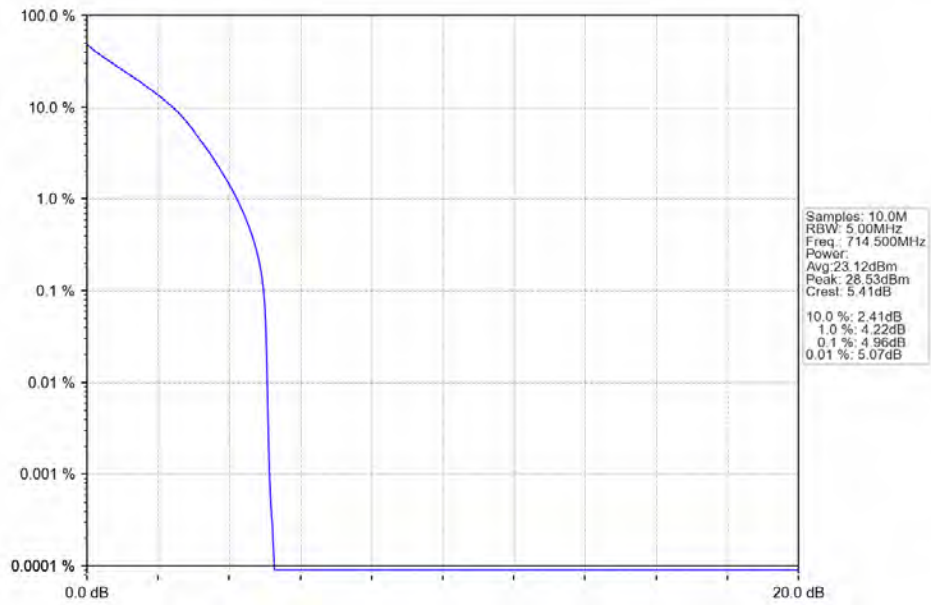
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



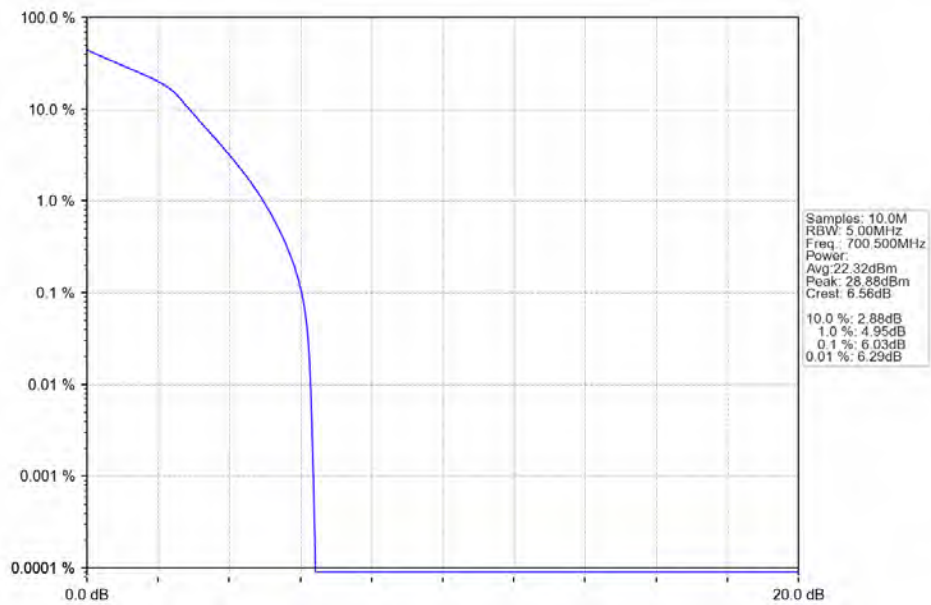
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



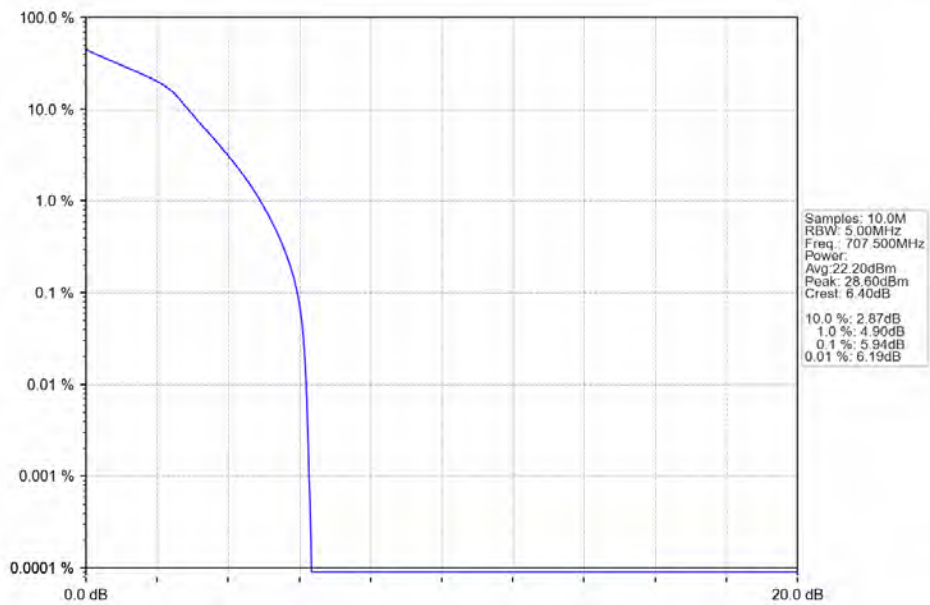
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTN



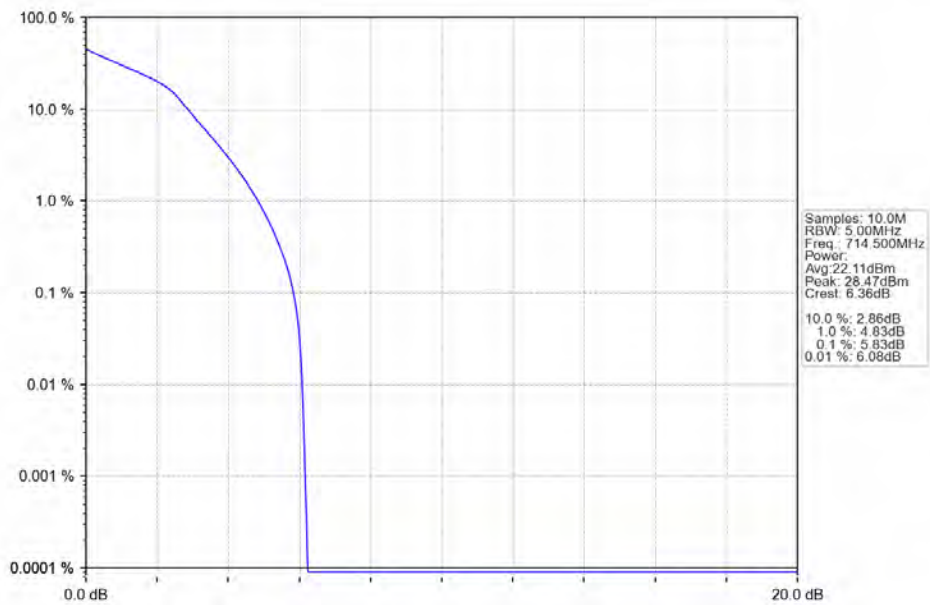
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTN



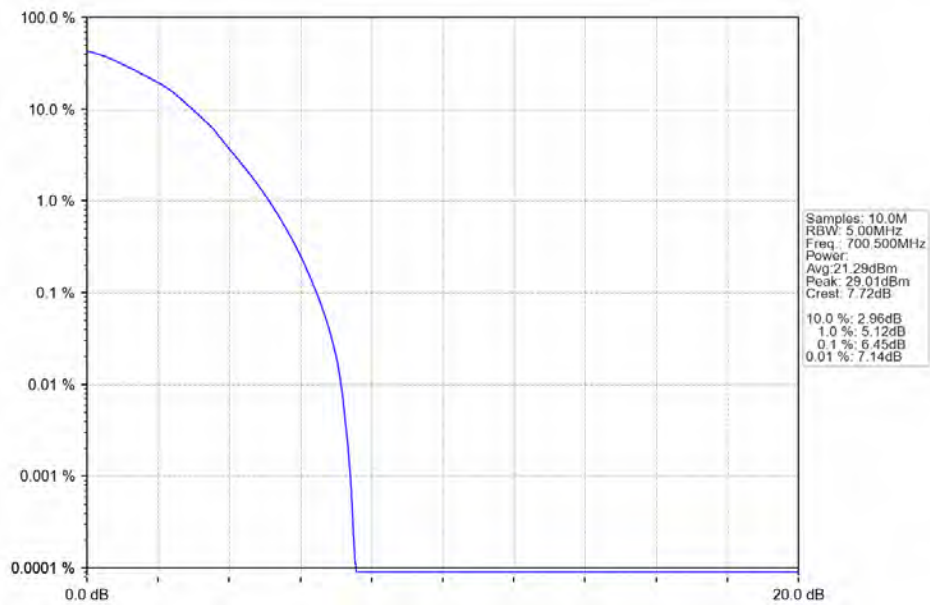
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



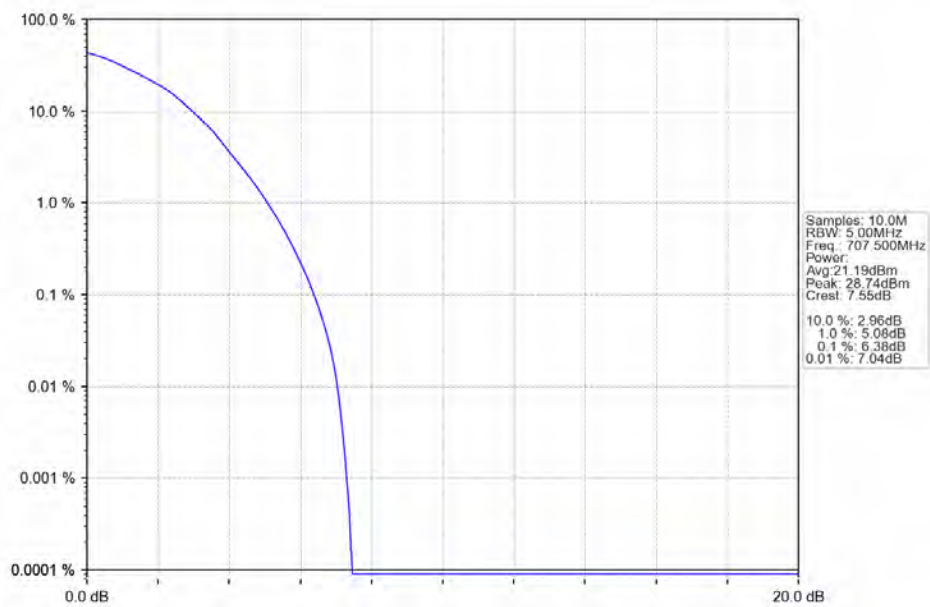
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



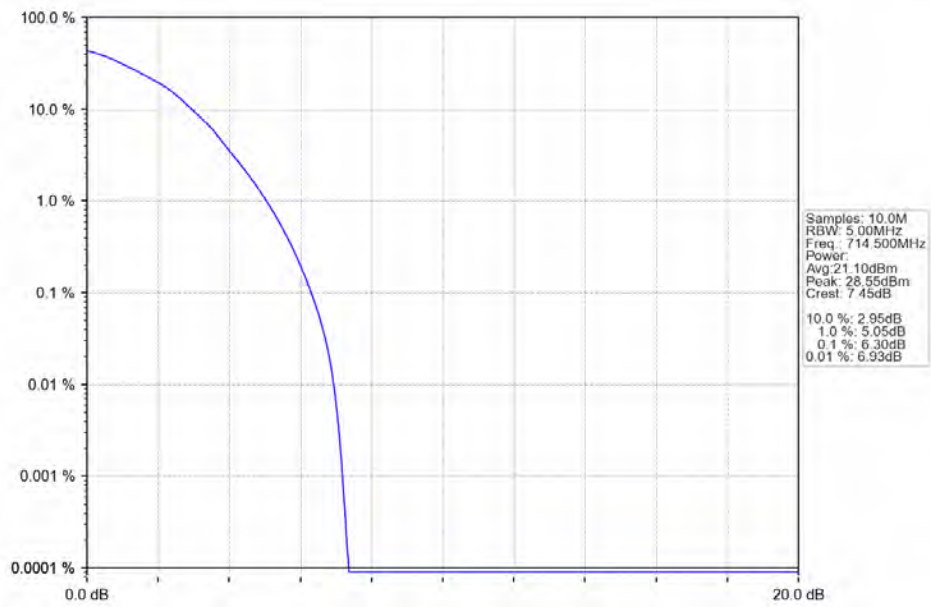
Band12 3MHz 64QAM LCH 700.5MHz RB 15 0 NTNV



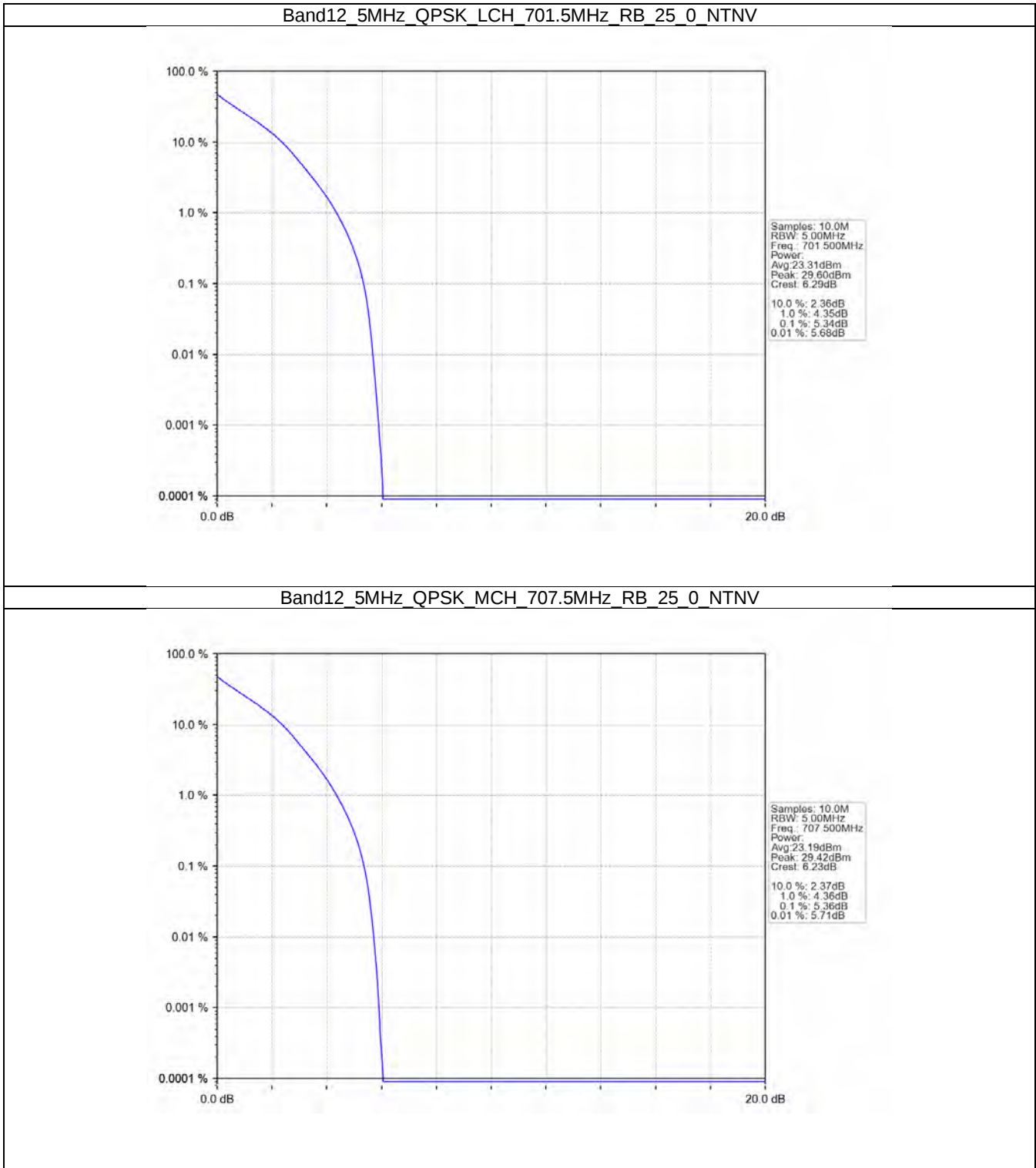
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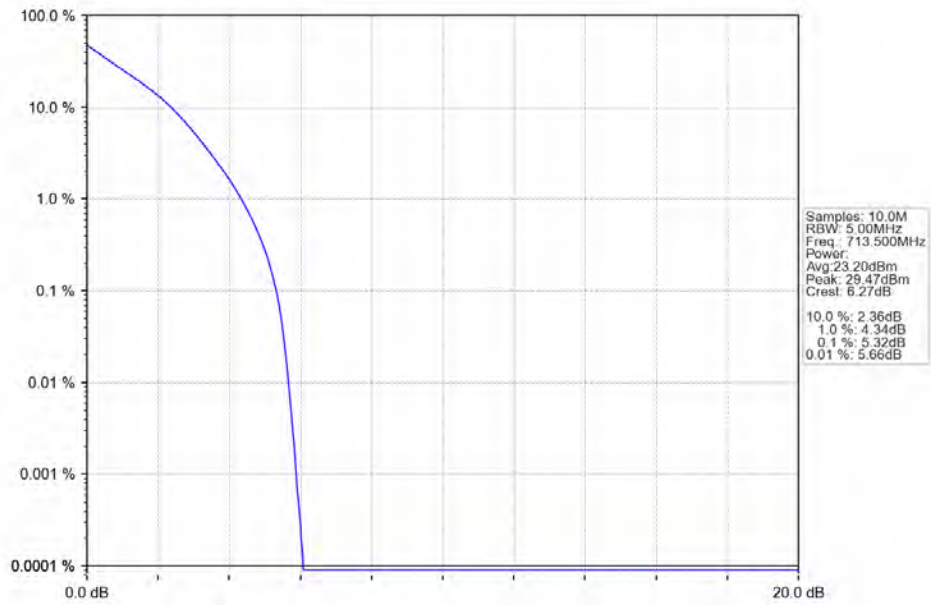
Band12 3MHz 64QAM HCH 714.5MHz RB 15 0 NTNV



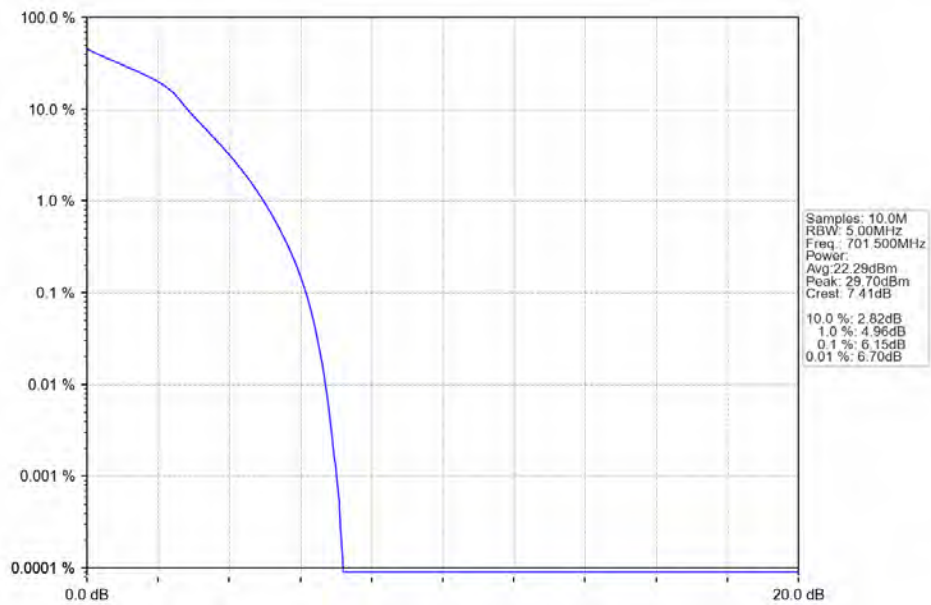
4.2.3 B12_5MHz



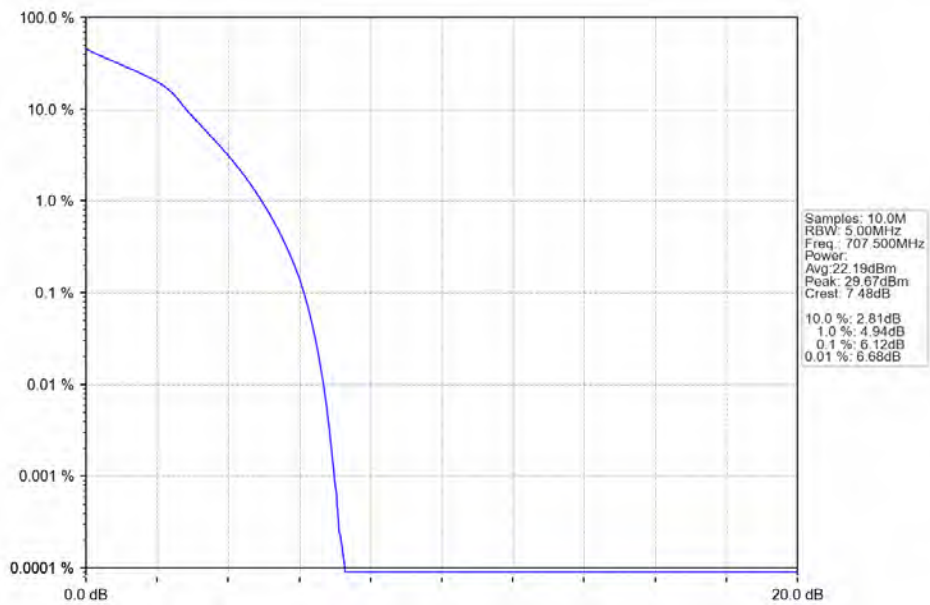
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTN



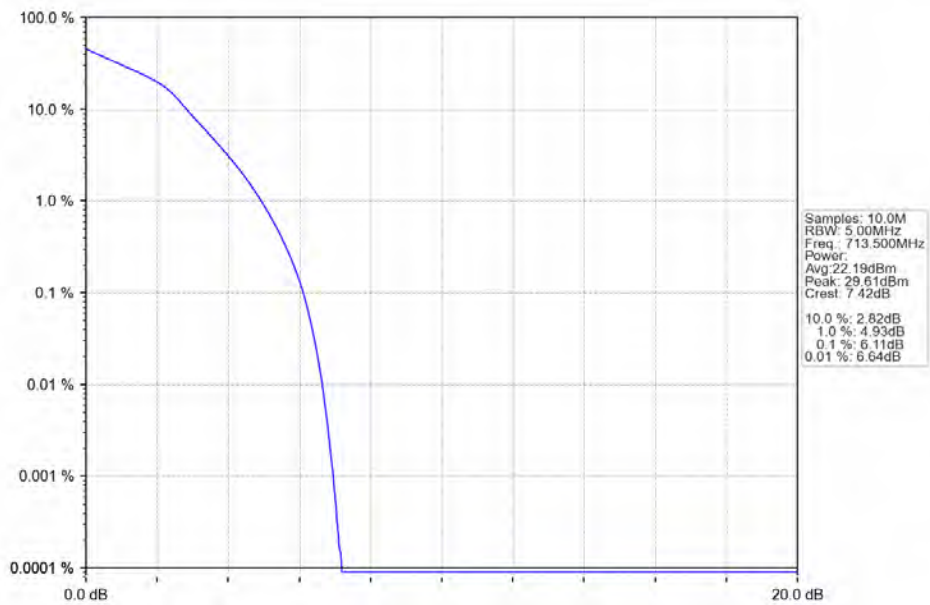
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTN



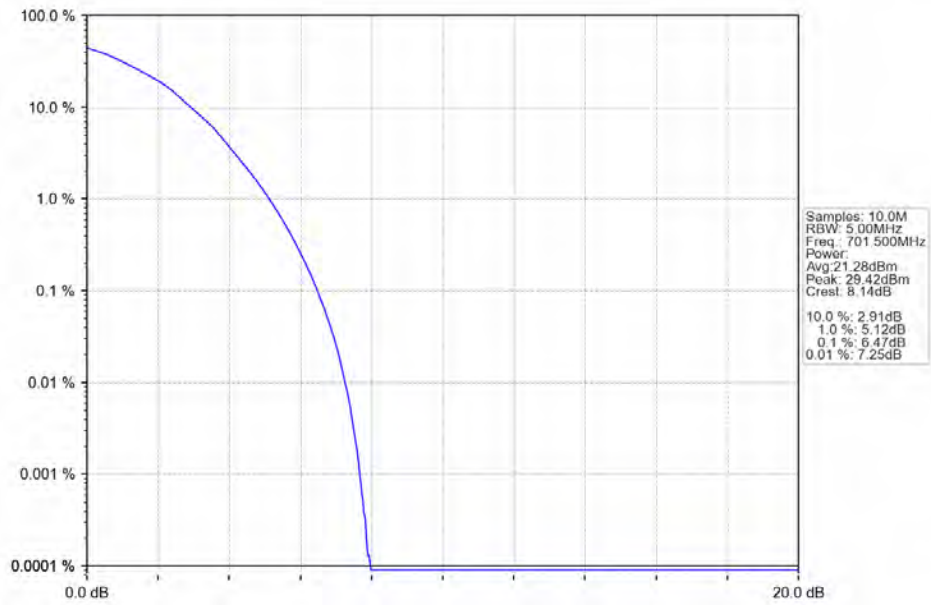
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



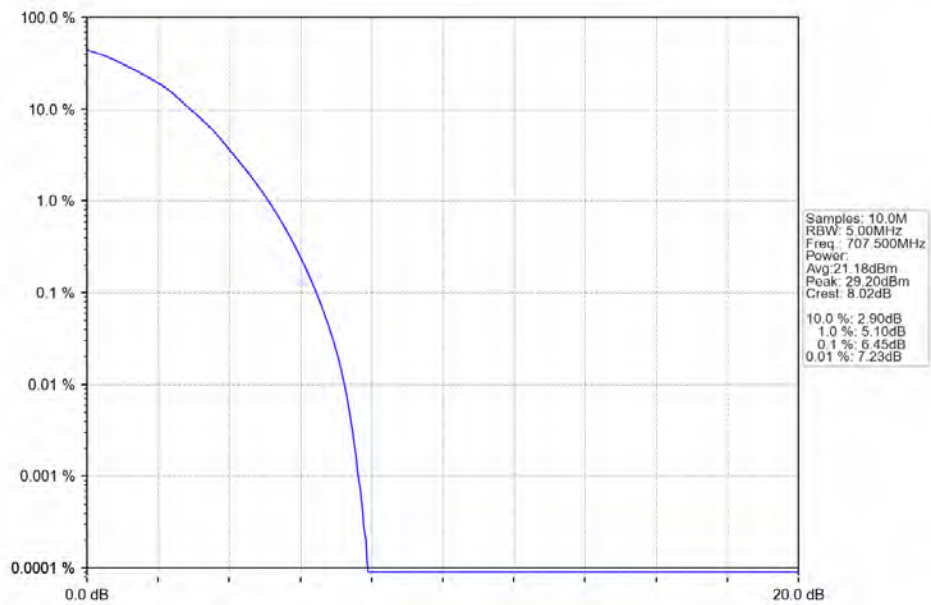
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



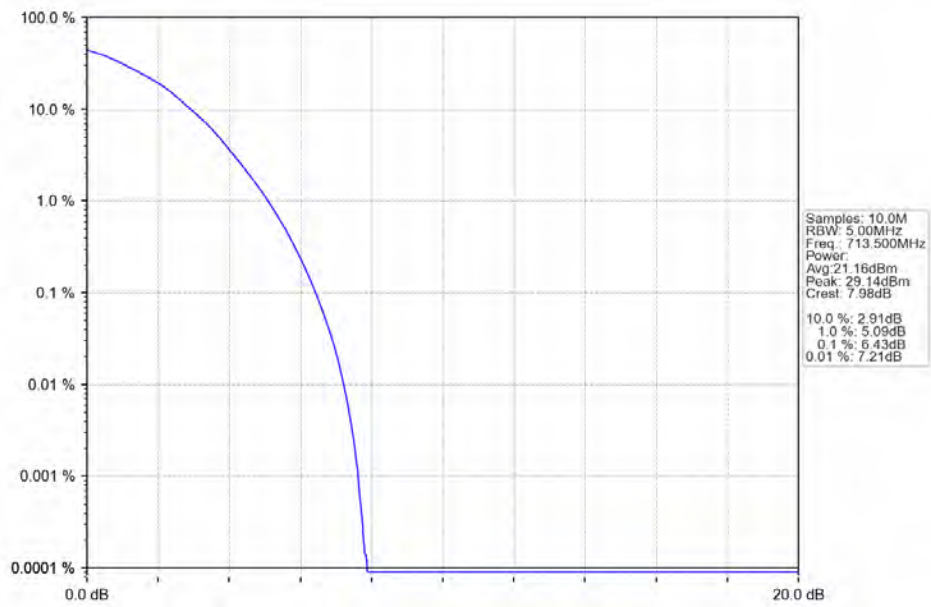
Band12 5MHz 64QAM LCH 701.5MHz RB 25 0 NTNV



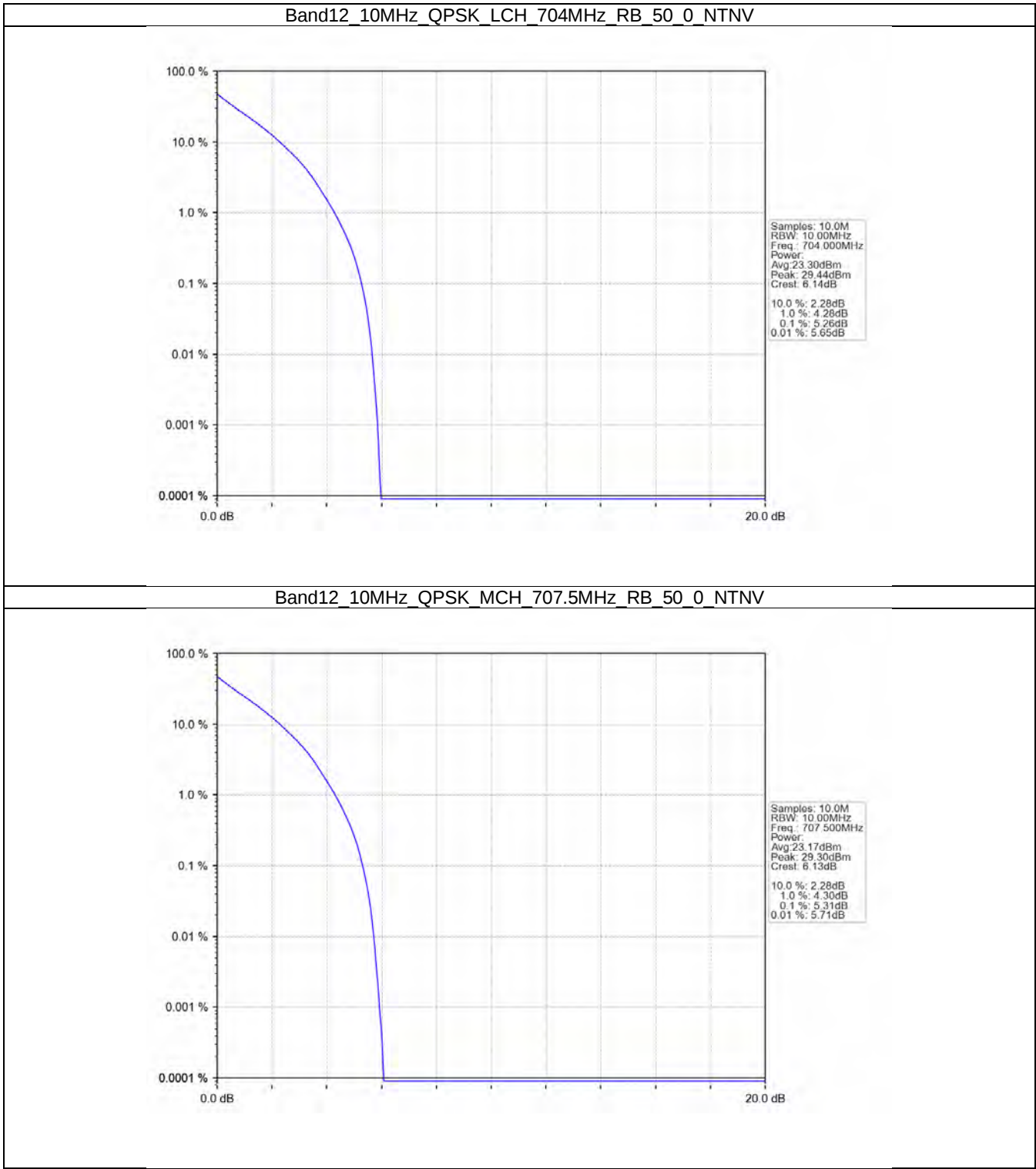
Band12 5MHz 64QAM MCH 707.5MHz RB 25 0 NTNV



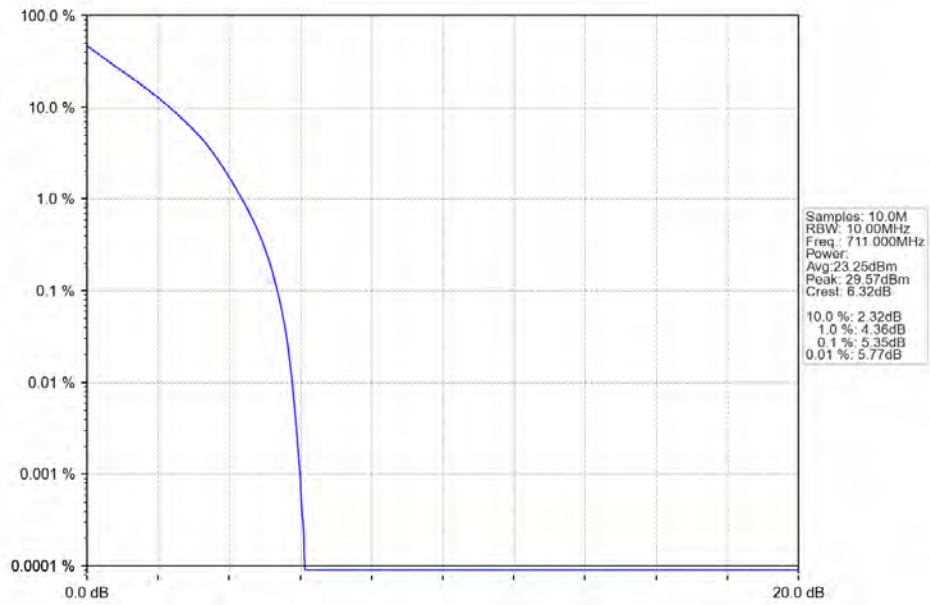
Band12 5MHz 64QAM HCH 713.5MHz RB 25 0 NTNV



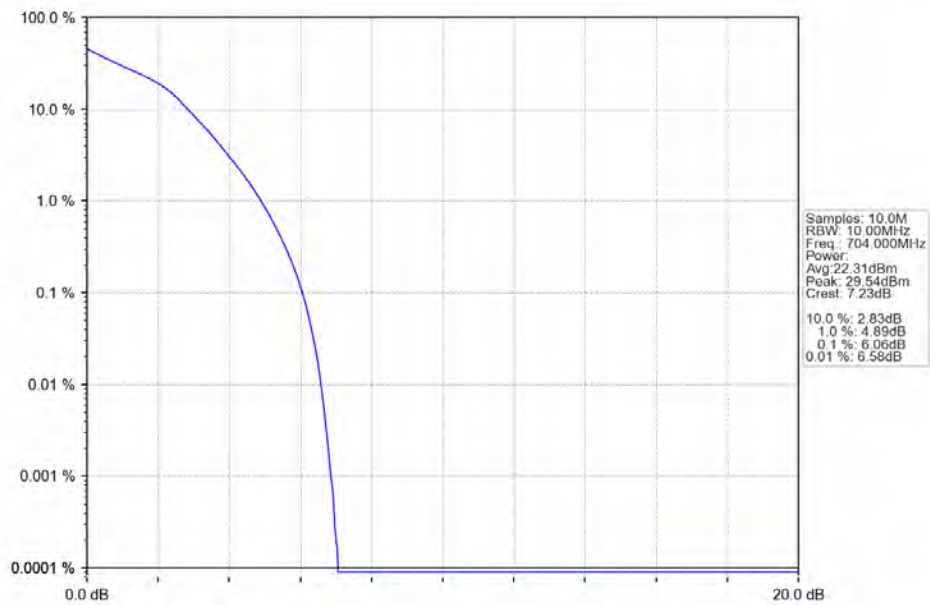
4.2.4 B12_10MHz



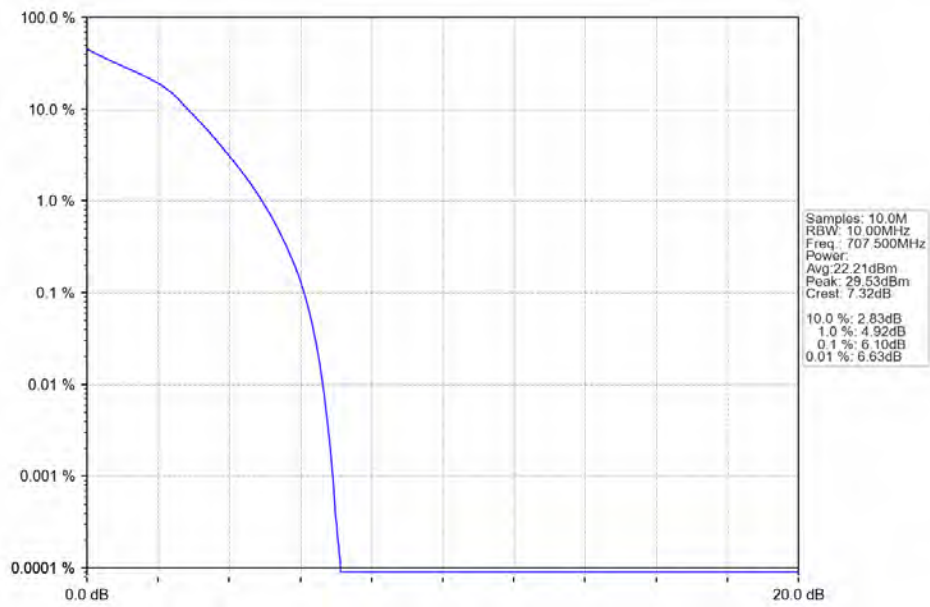
Band12 10MHz QPSK HCH 711MHz RB 50 0 NTN



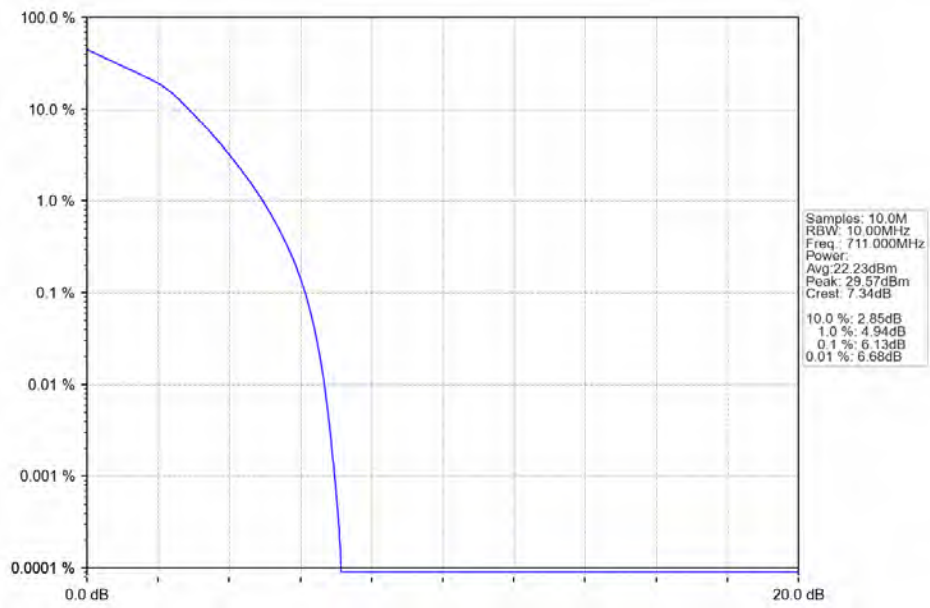
Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTN



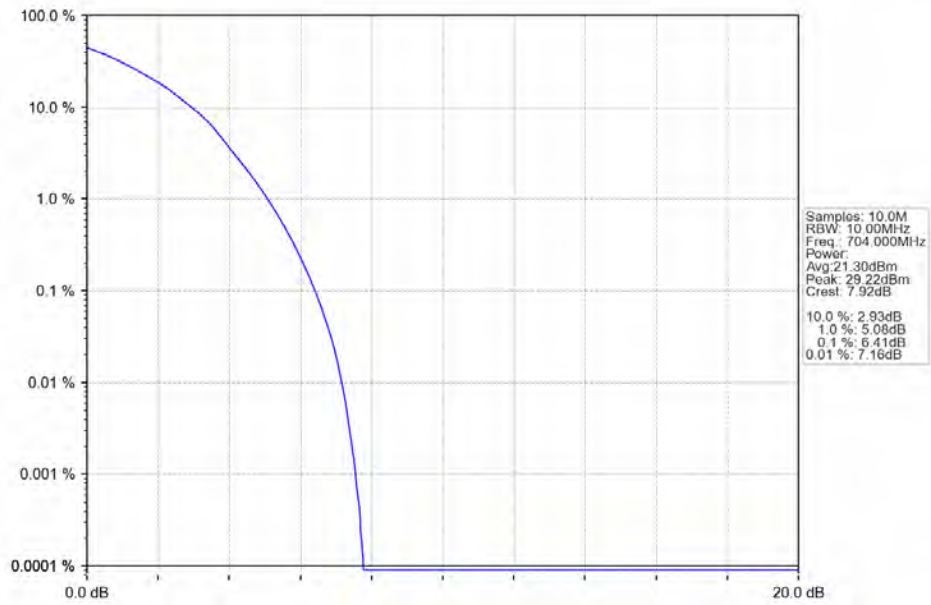
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



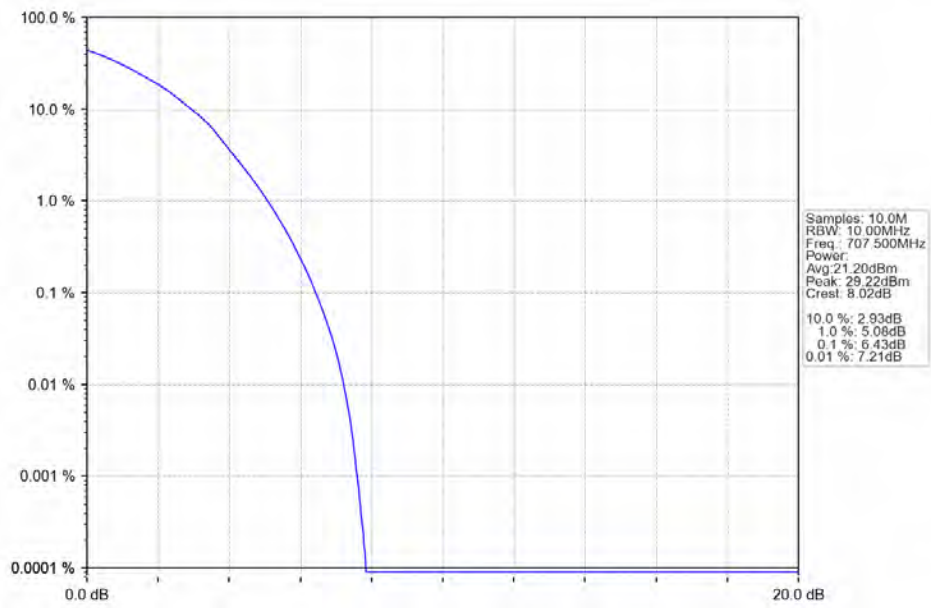
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



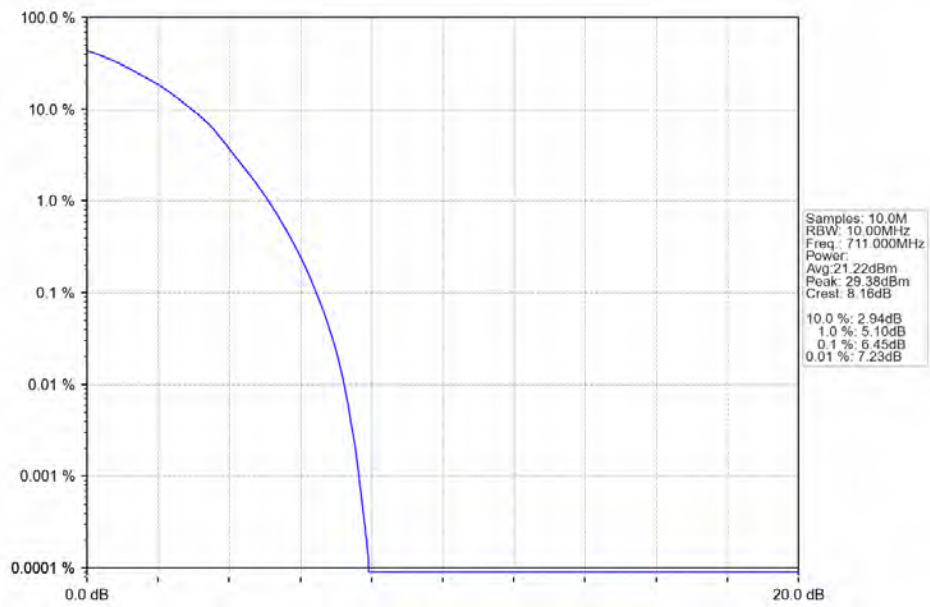
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



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



5. Spurious Emission

5.1 Test Result

5.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
64QAM	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
64QAM	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B12_5MHz

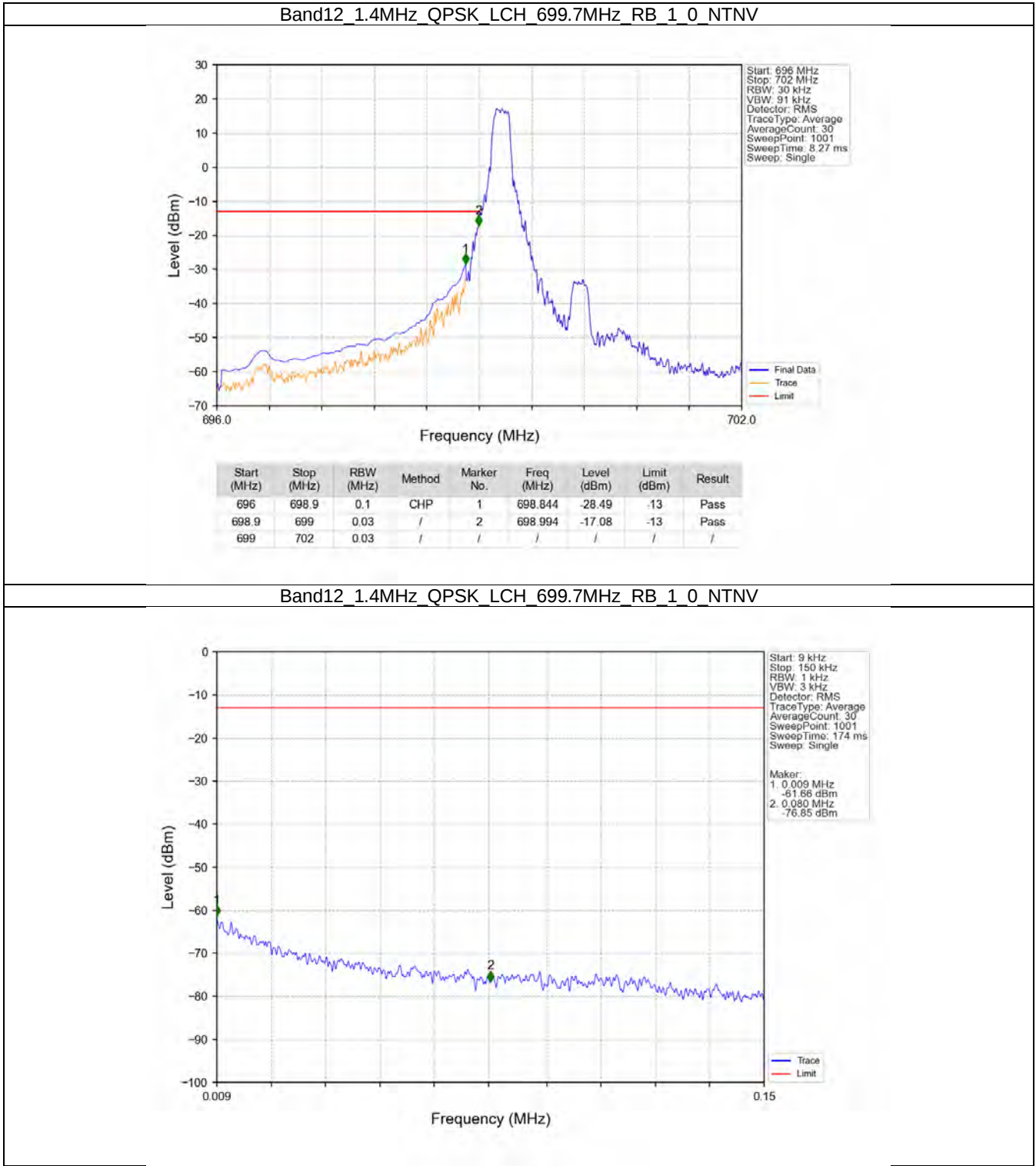
Band: 12 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.4 B12_10MHz

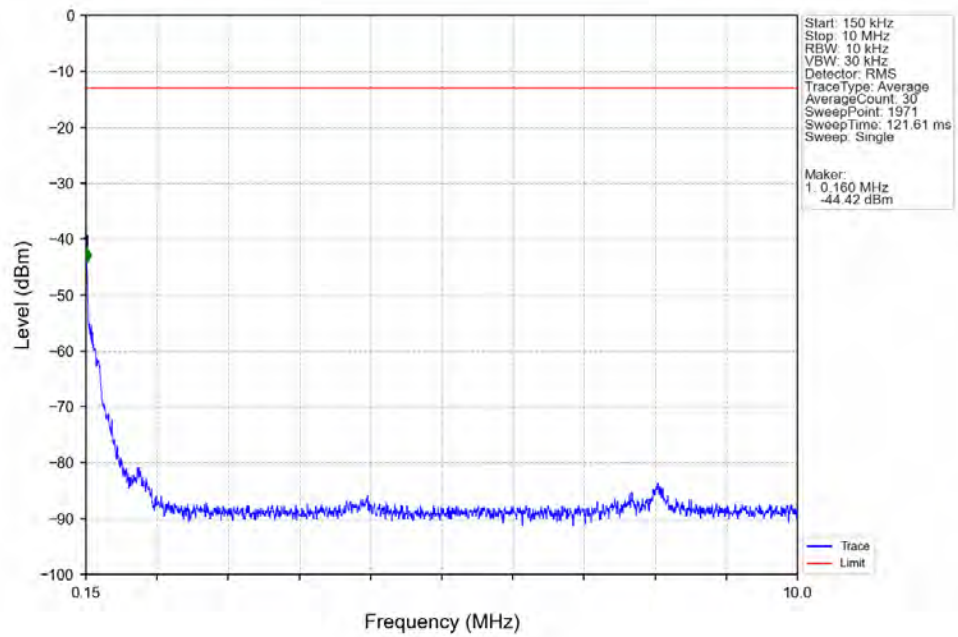
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
	50	0	Refer To Test Graph		Pass	
16QAM	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
	50	0	Refer To Test Graph		Pass	
64QAM	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
	50	0	Refer To Test Graph		Pass	

5.2 Test Graph

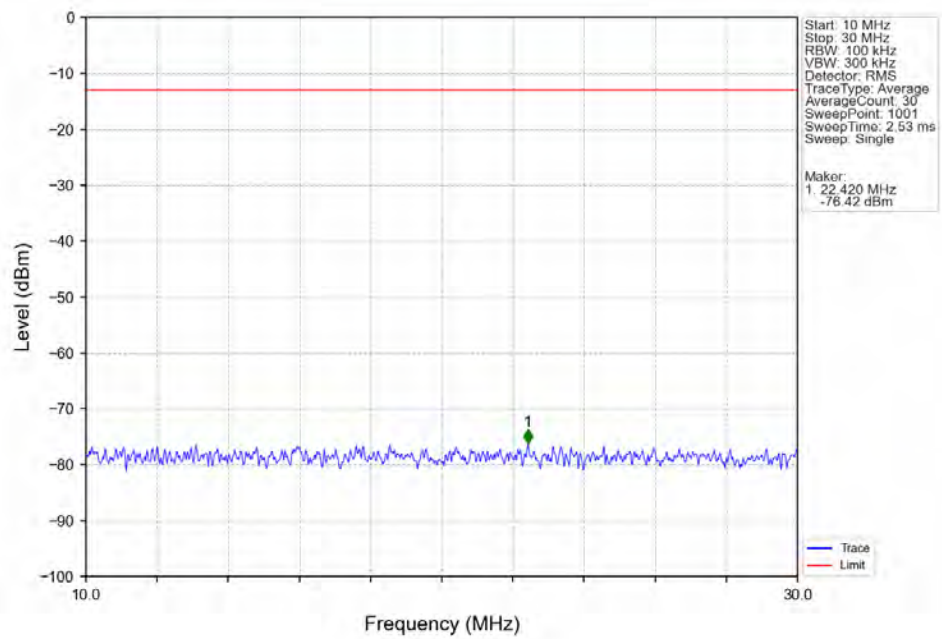
5.2.1 B12_1.4MHz



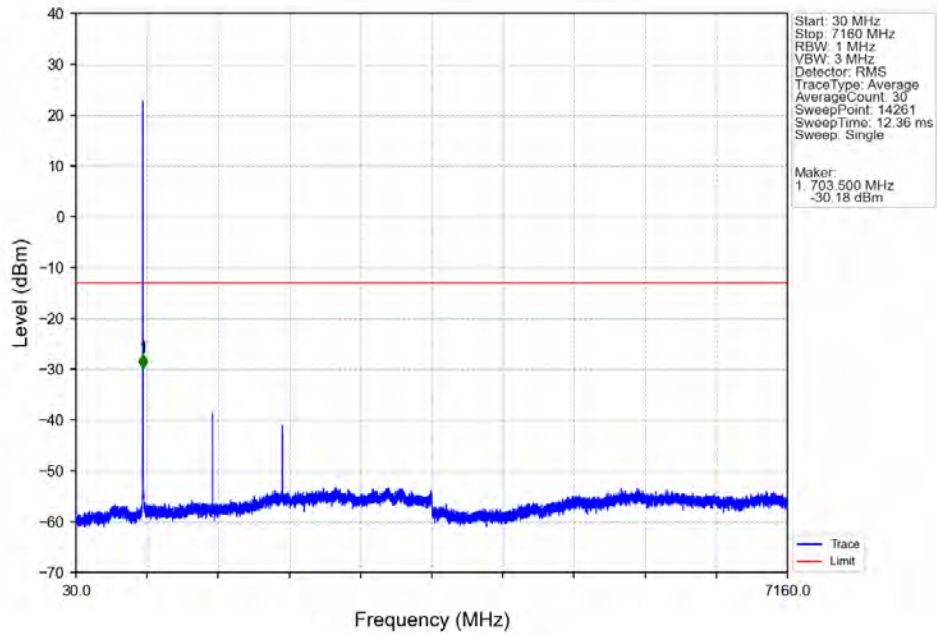
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTNV



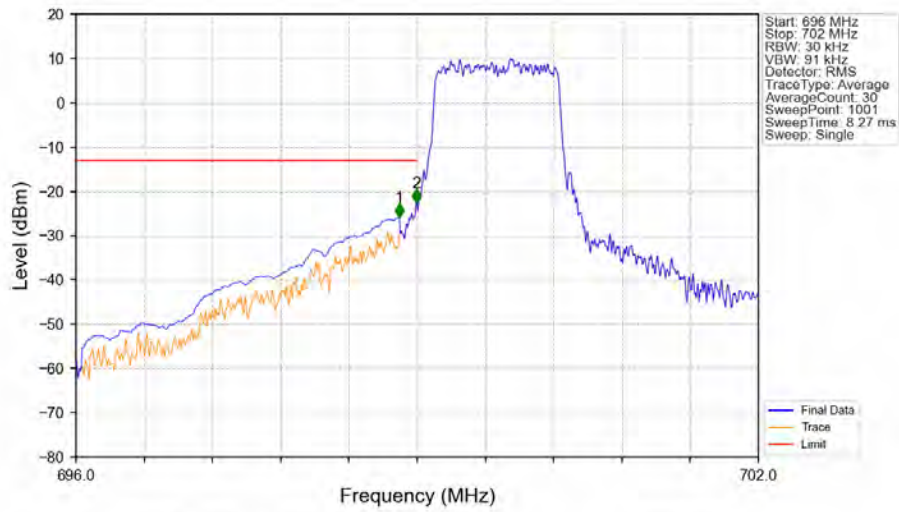
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTNV



Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTV

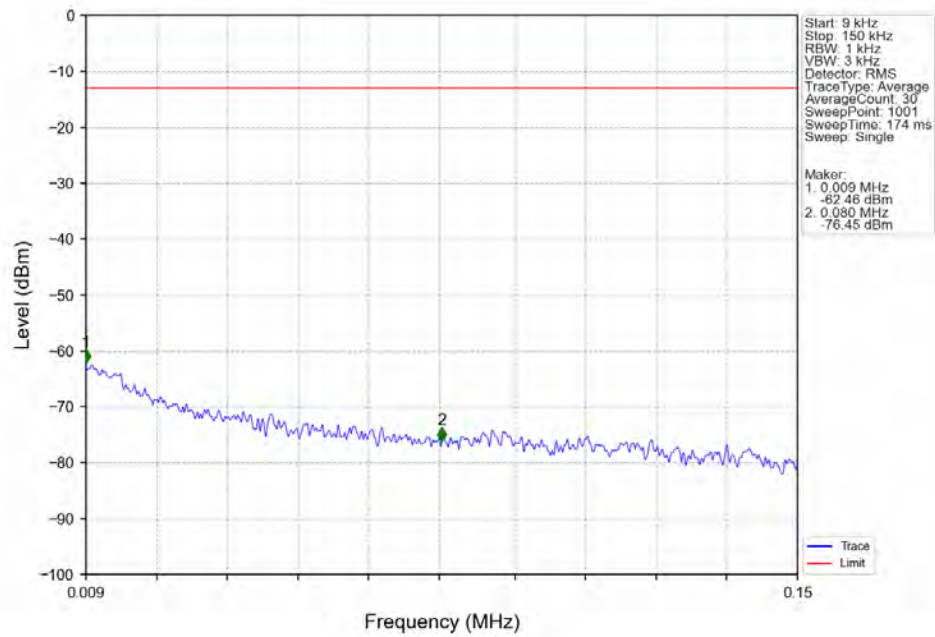


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTV

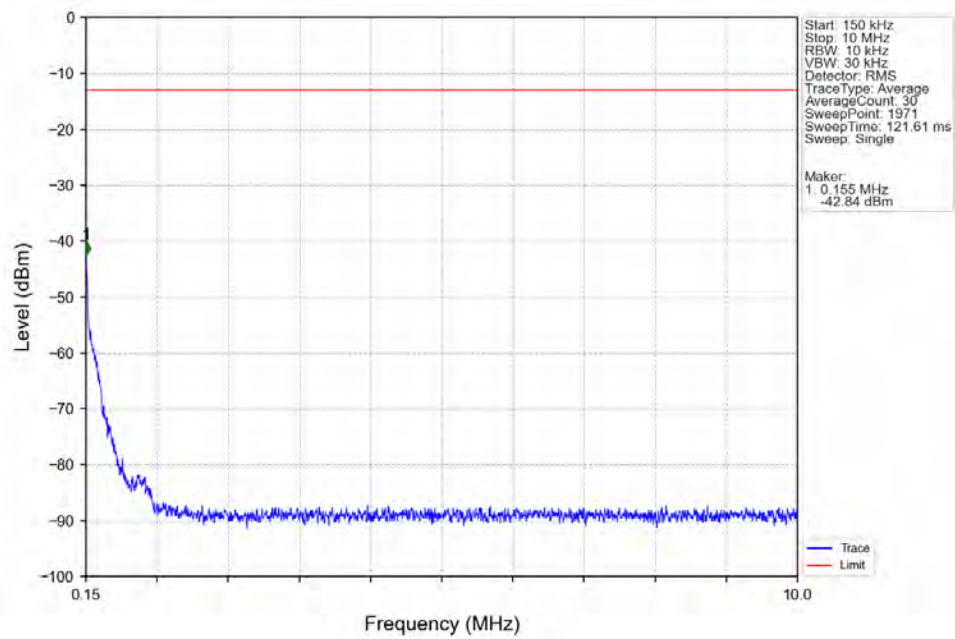


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-25.79	-13	Pass
698.9	699	0.03	/	2	698.994	-22.53	-13	Pass
699	702	0.03	/	/	/	/	/	/

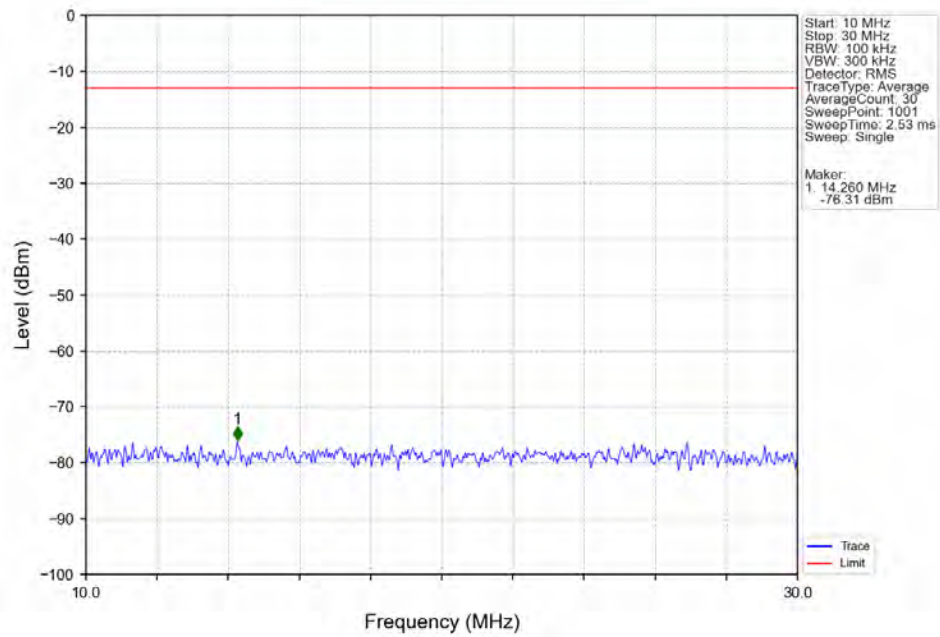
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



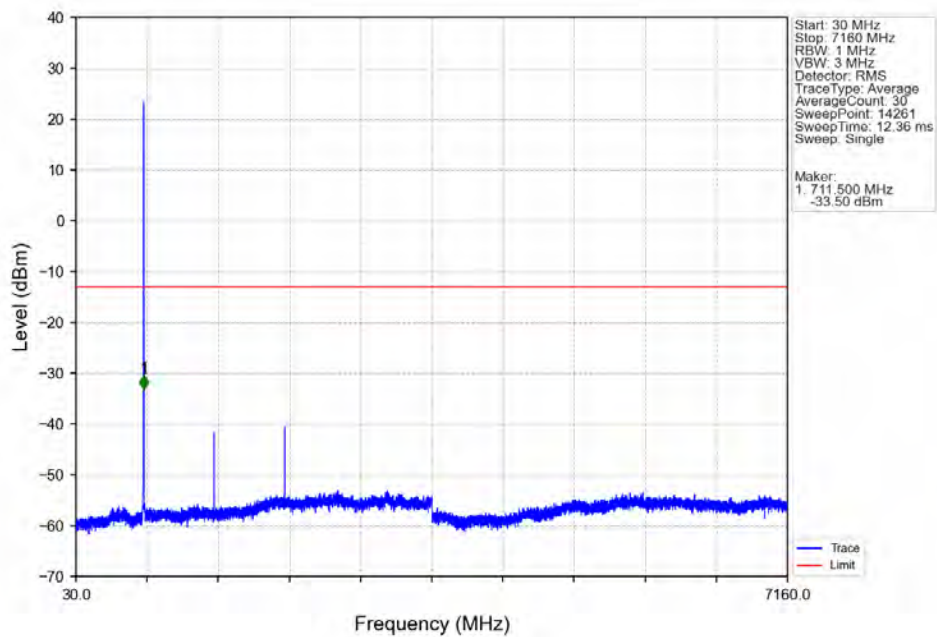
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



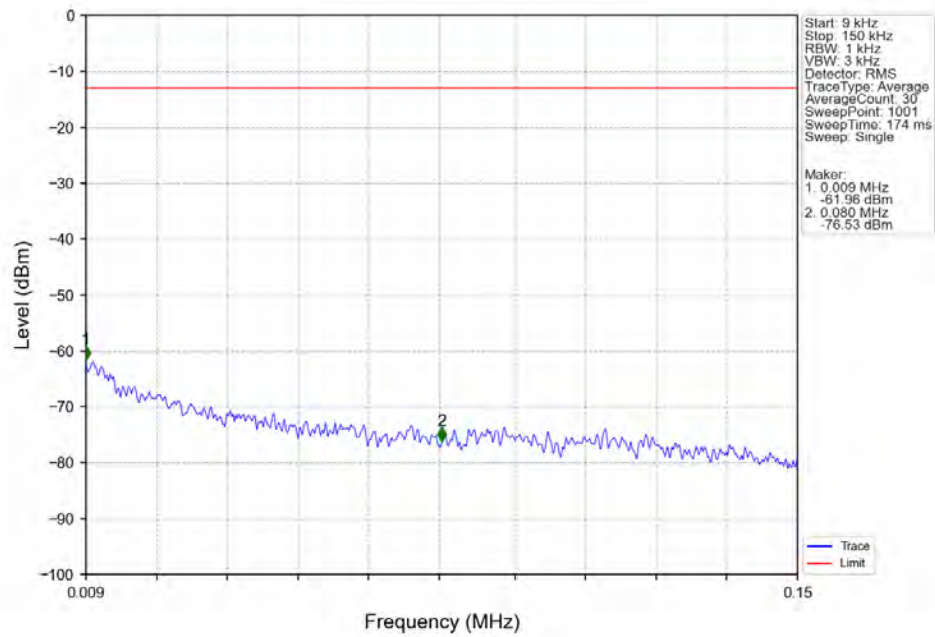
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



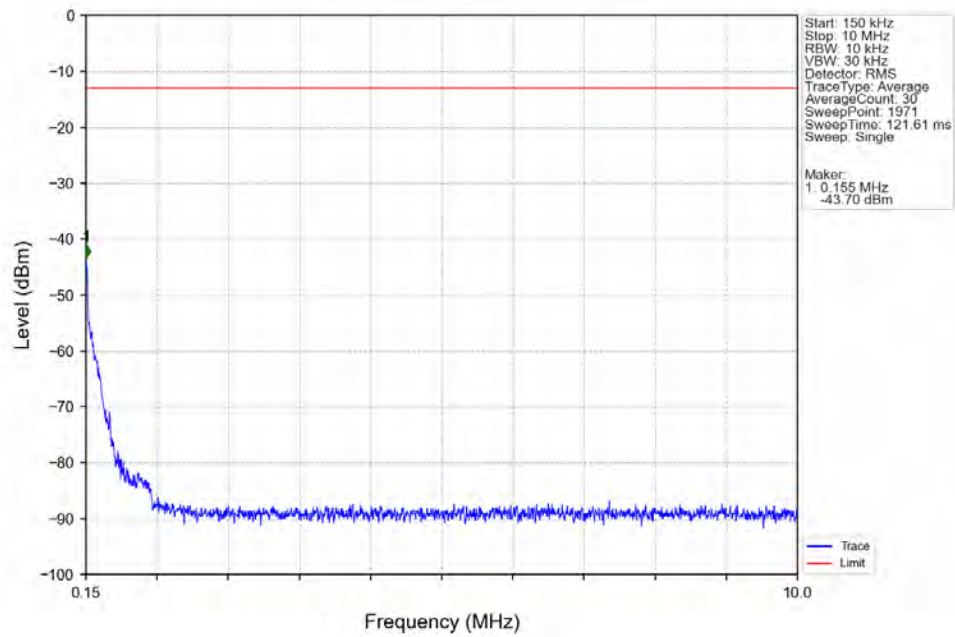
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



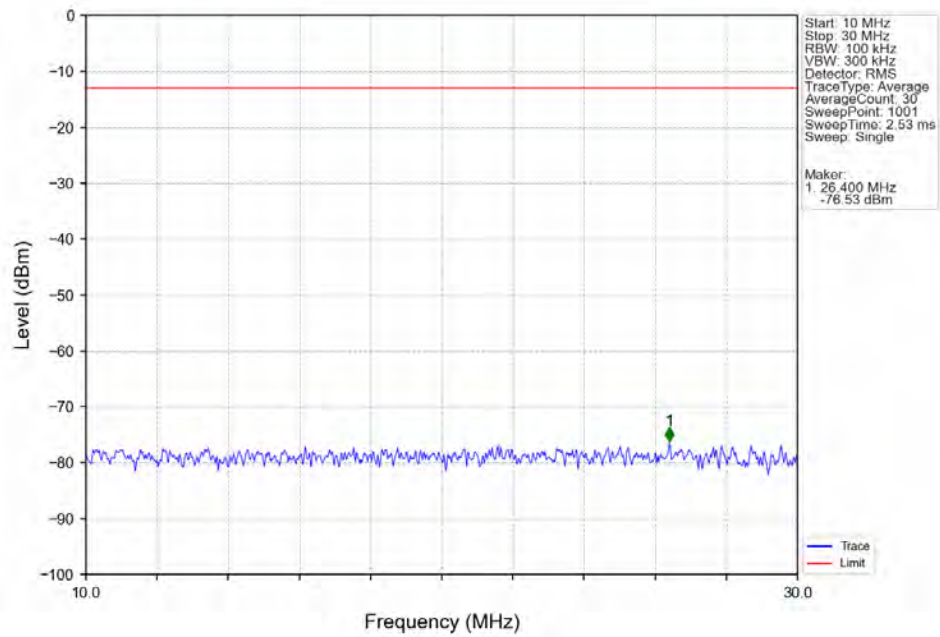
Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTNV



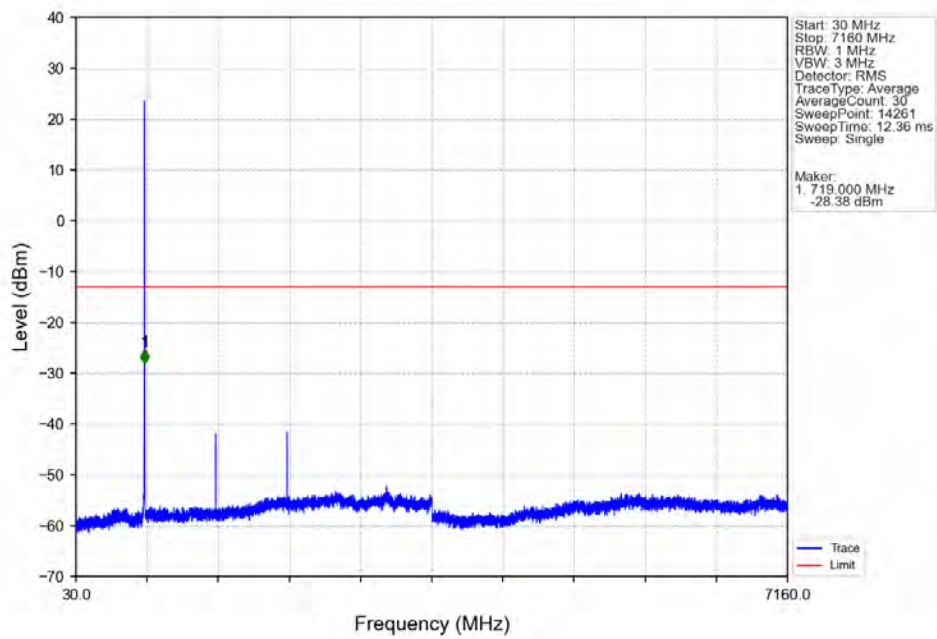
Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTNV



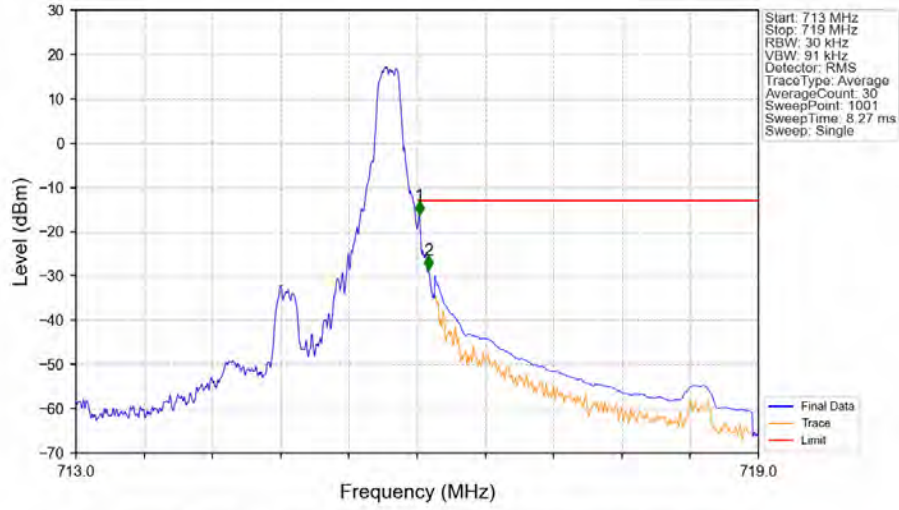
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

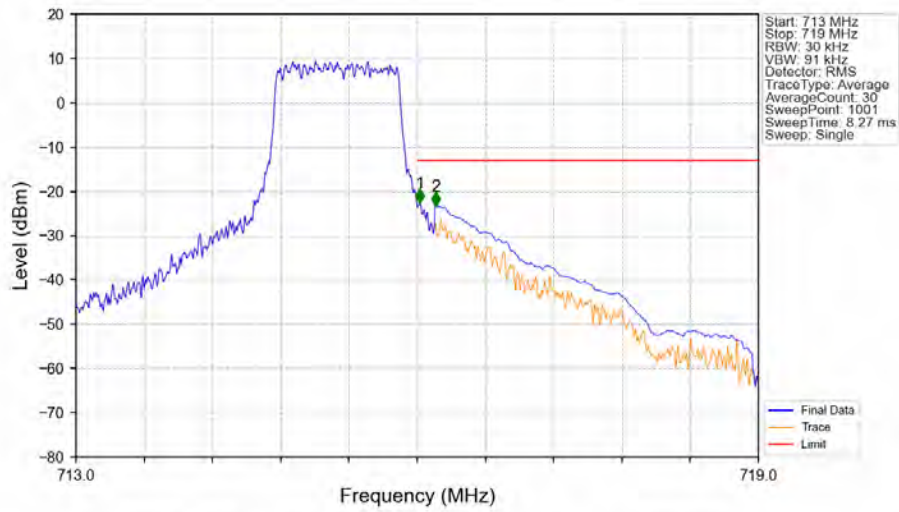


Band12 1.4MHz QPSK HCH 715.3MHz RB 1 5 NTNV



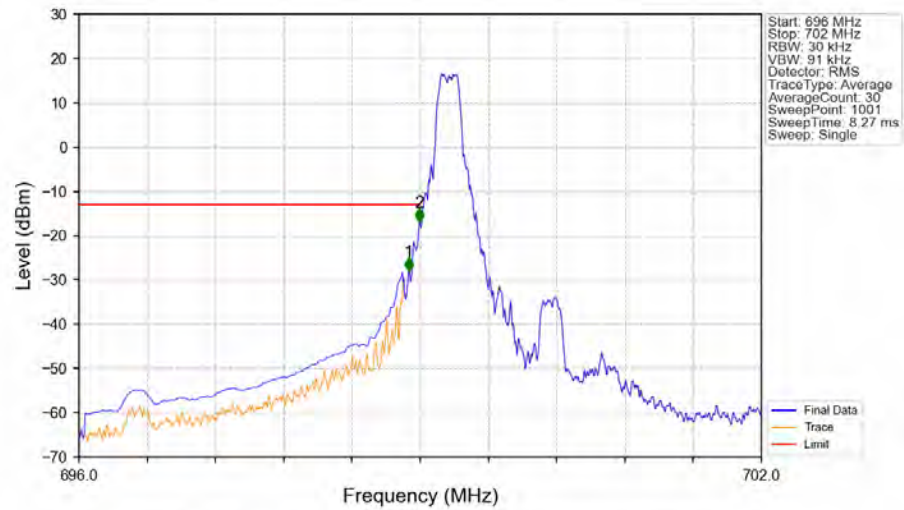
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.018	-16.14	-13	Pass
716.1	719	0.1	CHP	2	716.102	-28.68	-13	Pass

Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



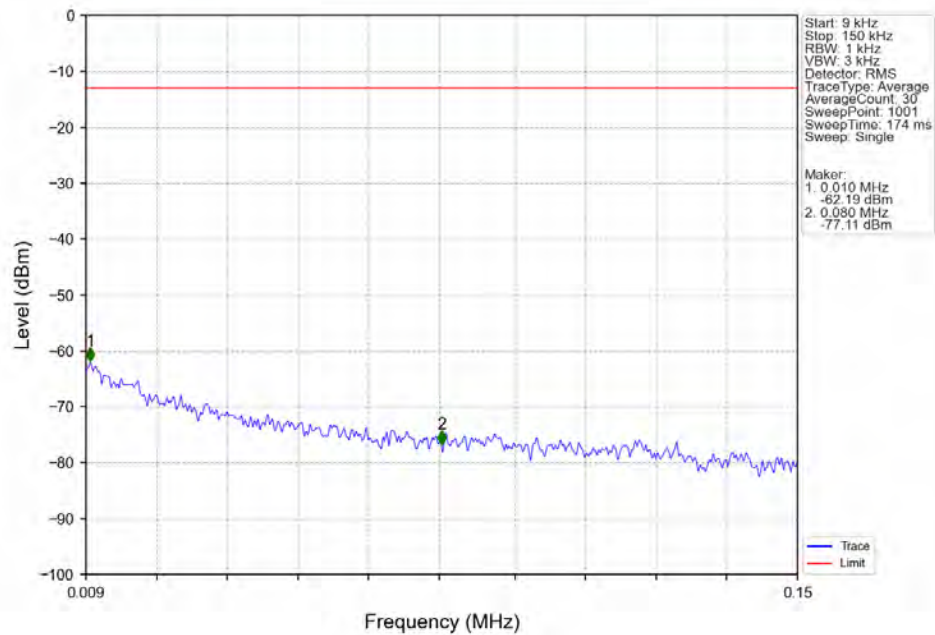
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.024	-22.56	-13	Pass
716.1	719	0.1	CHP	2	716.162	-23.32	-13	Pass

Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTNV

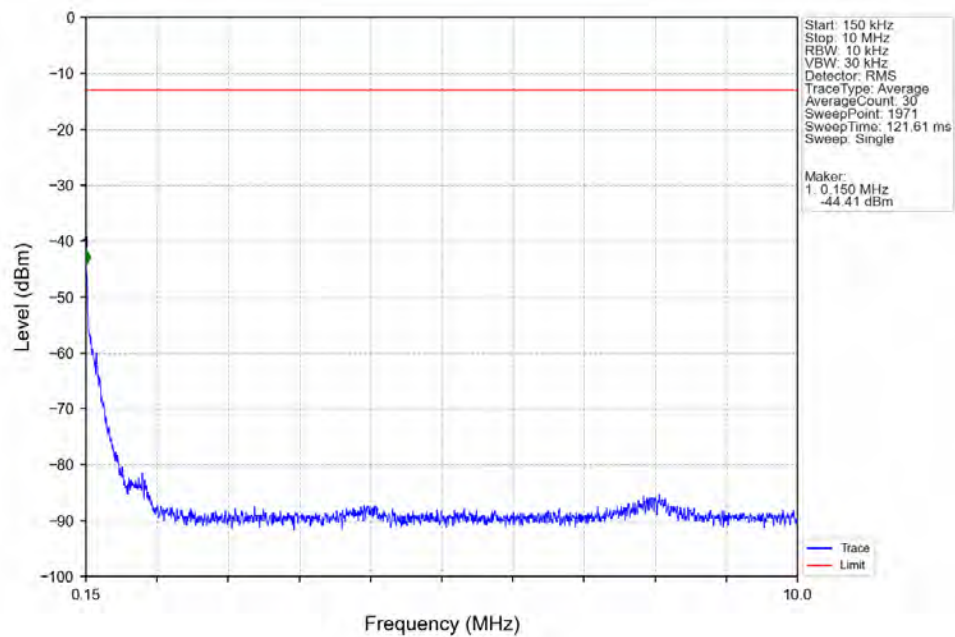


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.898	-27.98	-13	Pass
698.9	699	0.03	/	2	698.994	-16.97	-13	Pass
699	702	0.03	/	/	/	/	/	/

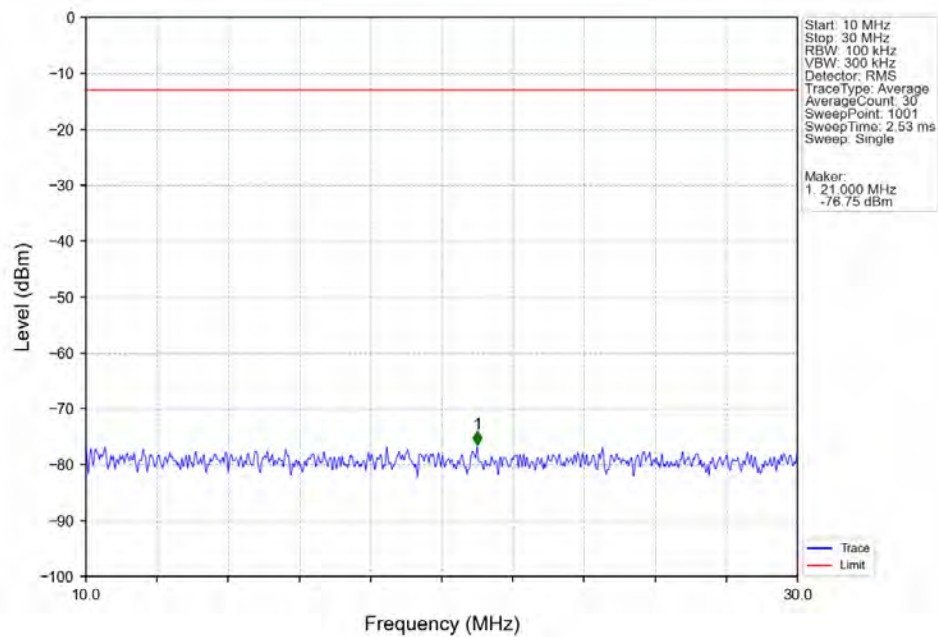
Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTNV



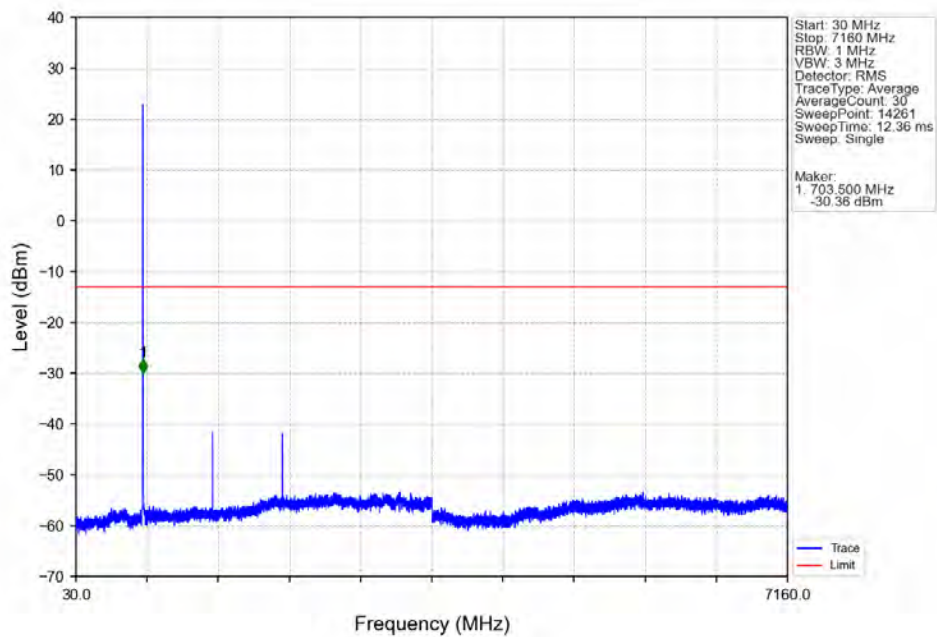
Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTNV



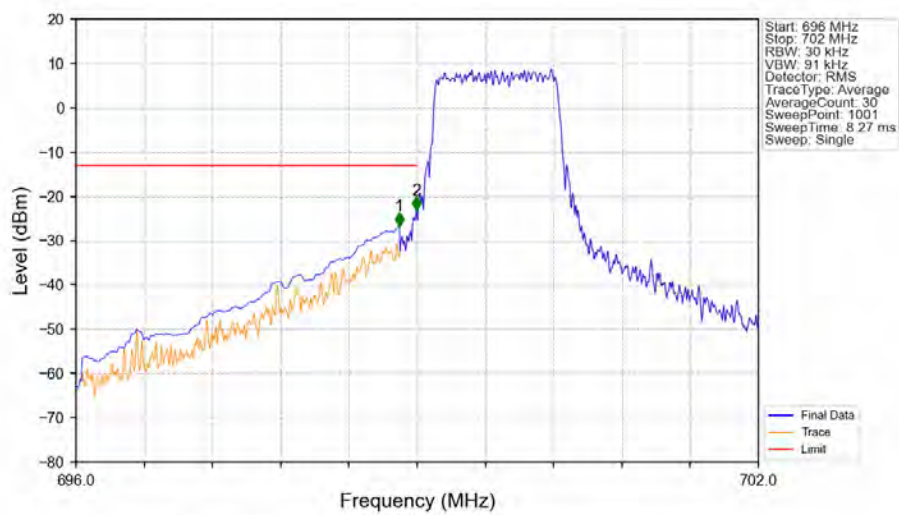
Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTNV



Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTV

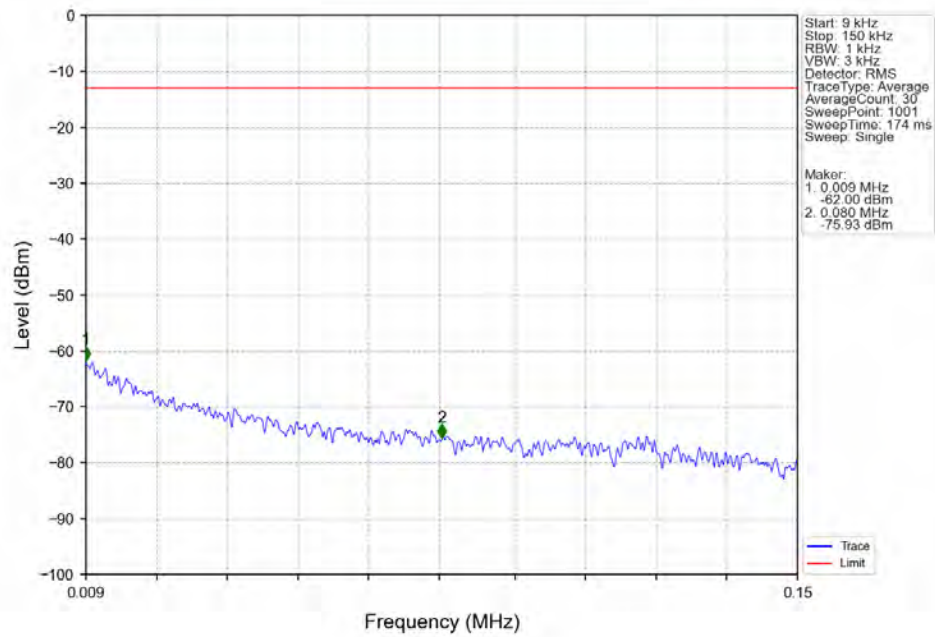


Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV

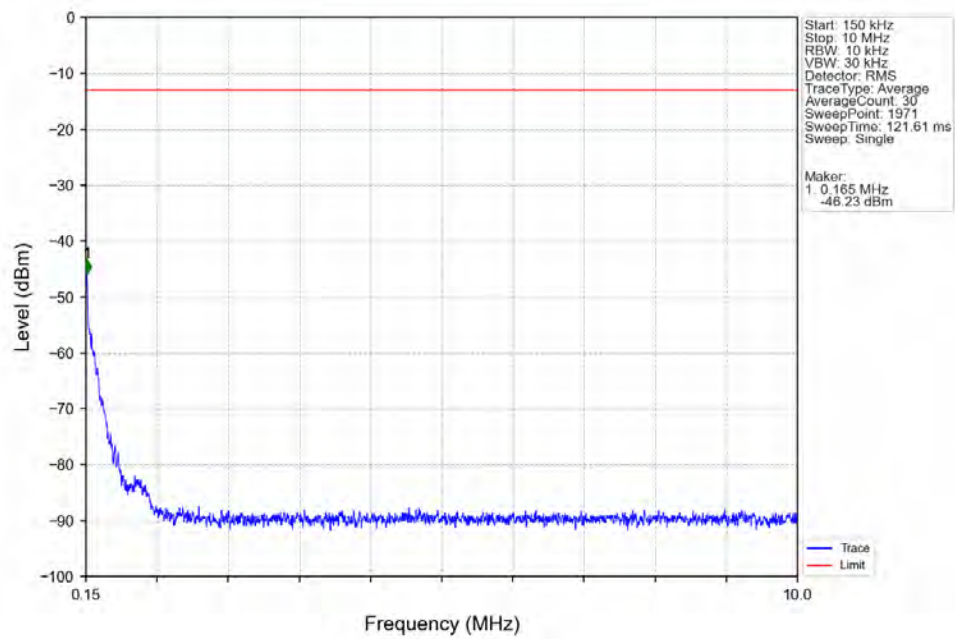


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-26.67	-13	Pass
698.9	699	0.03	/	2	698.994	-23.17	-13	Pass
699	702	0.03	/	/	/	/	/	/

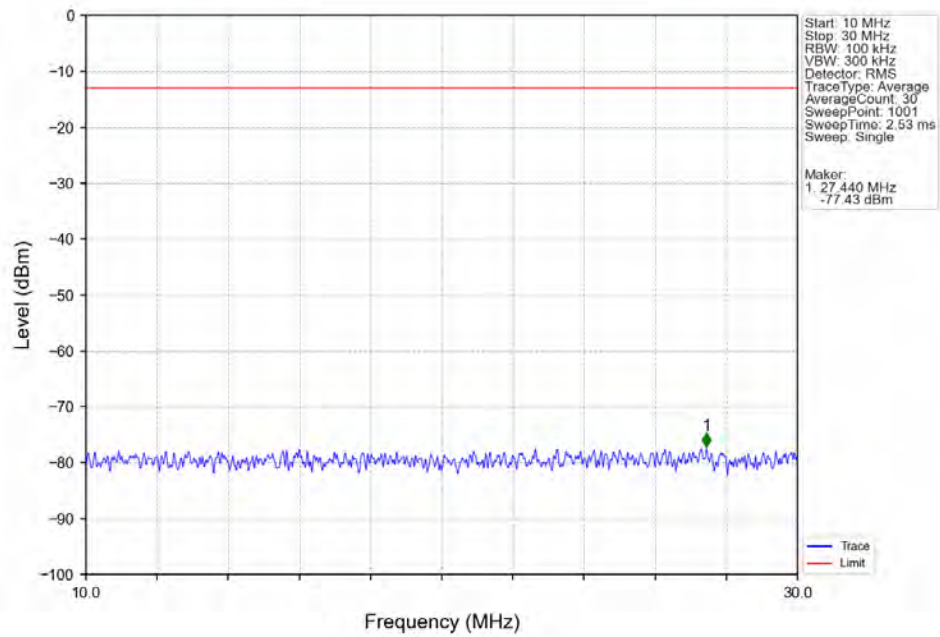
Band12 1.4MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



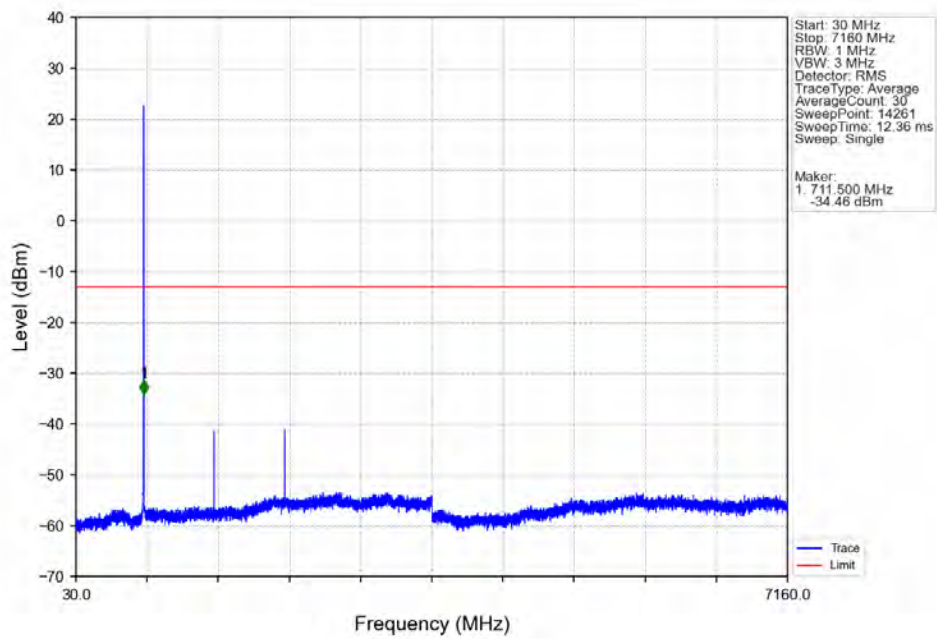
Band12 1.4MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



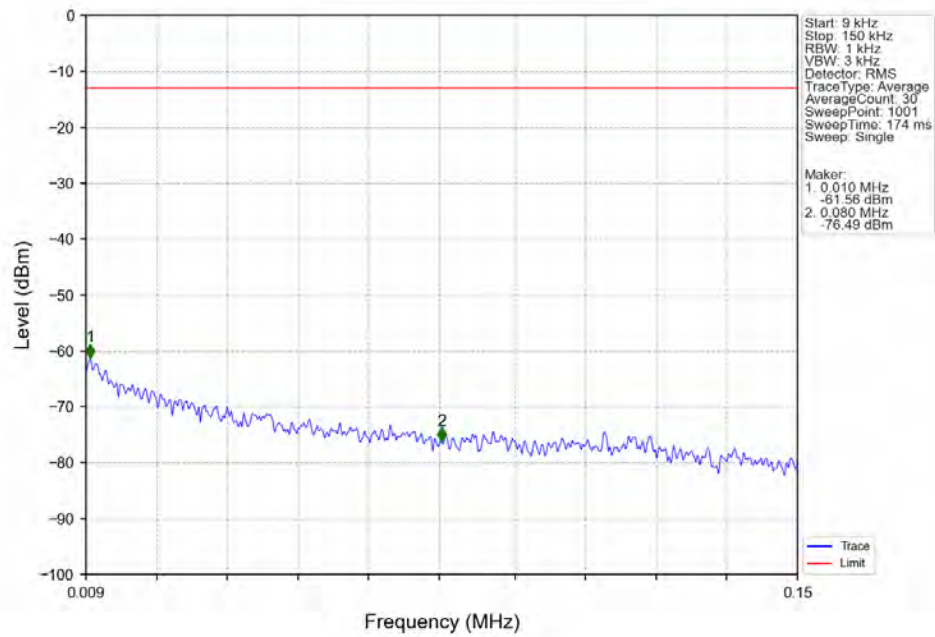
Band12 1.4MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



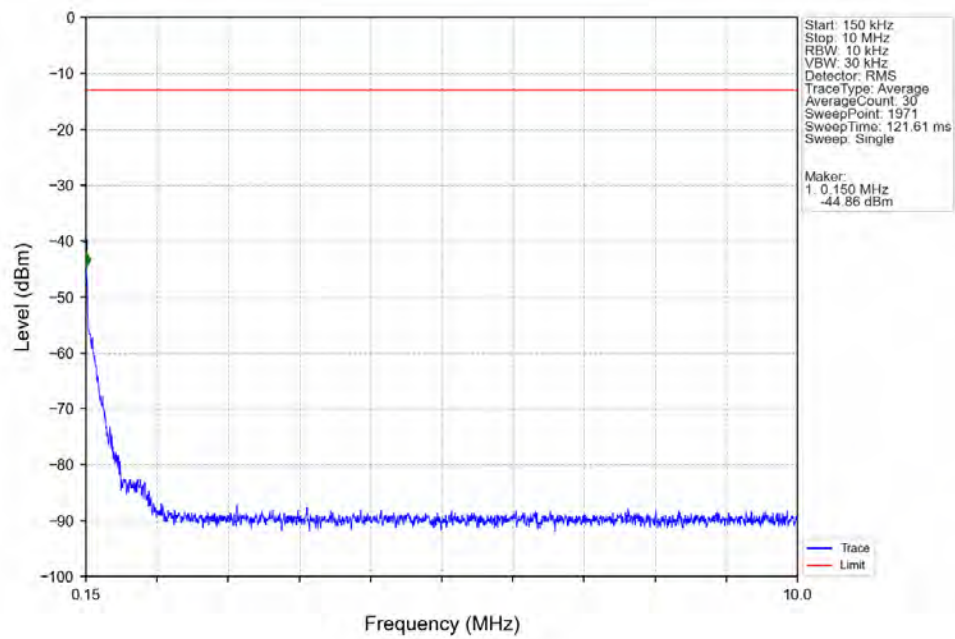
Band12 1.4MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



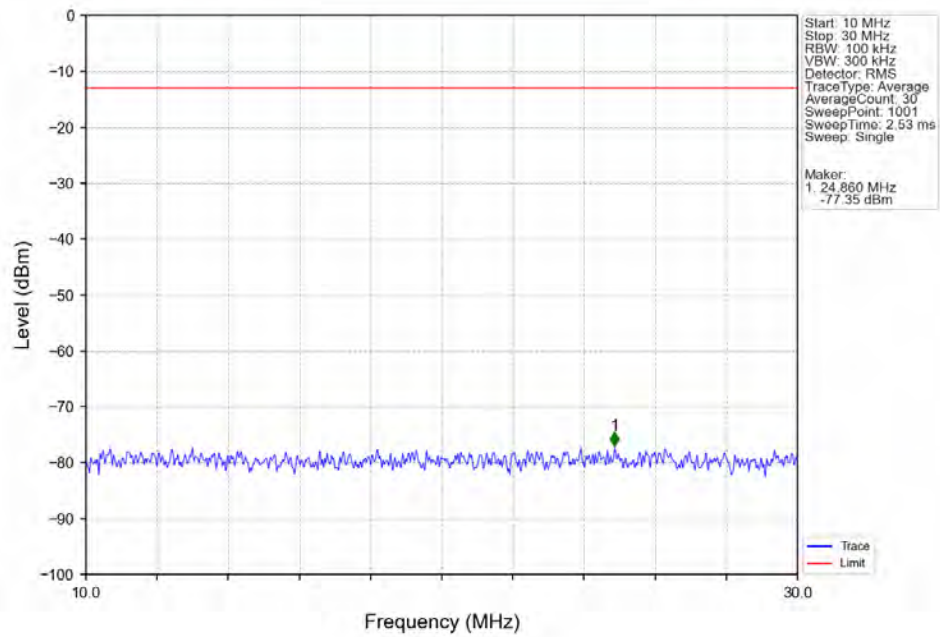
Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 0 NTNV



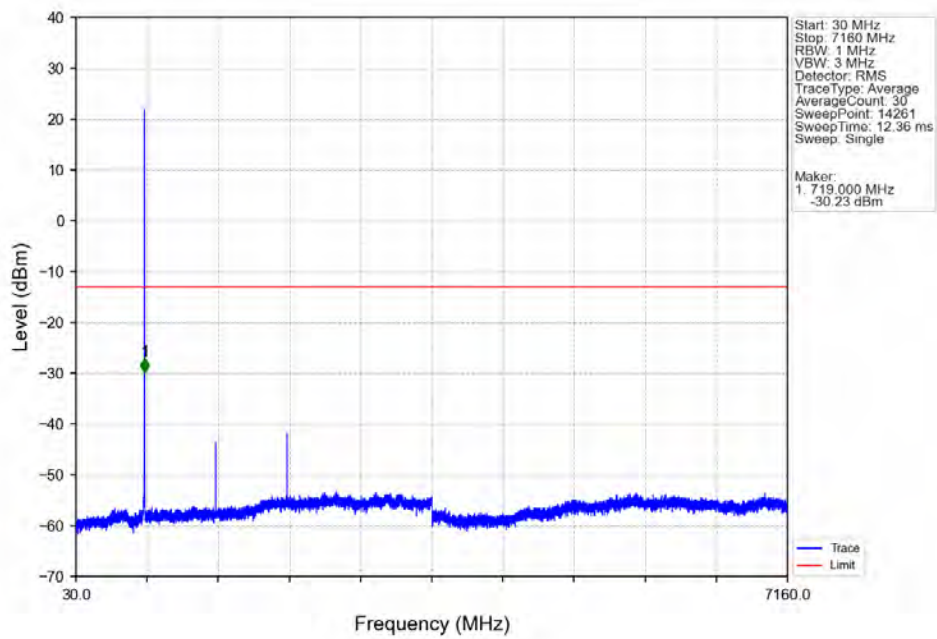
Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 0 NTNV



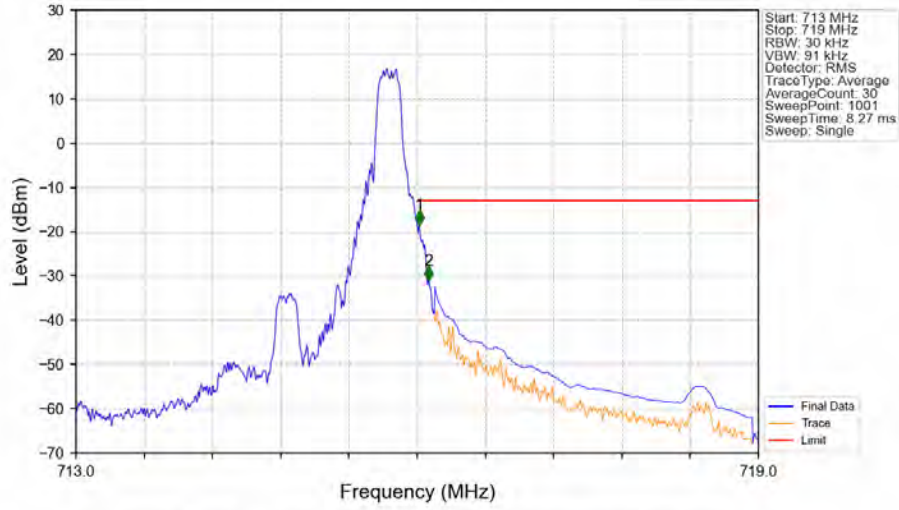
Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 0 NTV



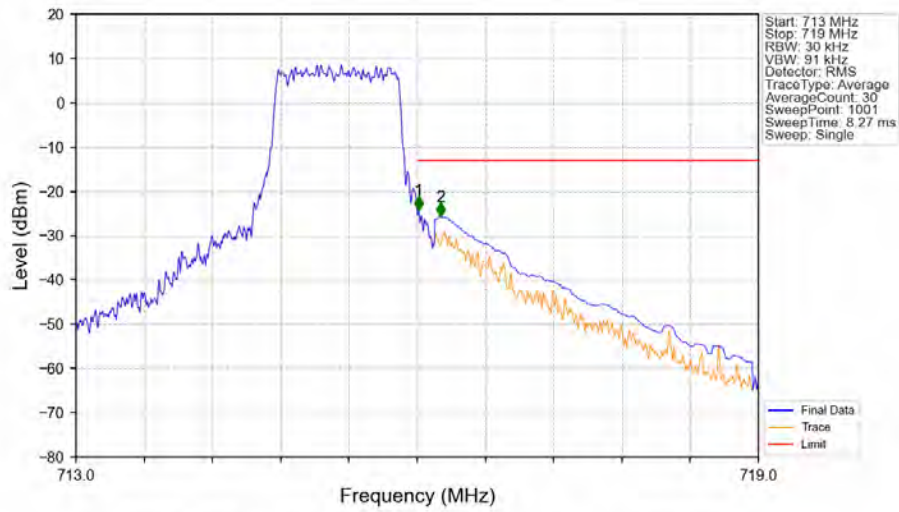
Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 0 NTV



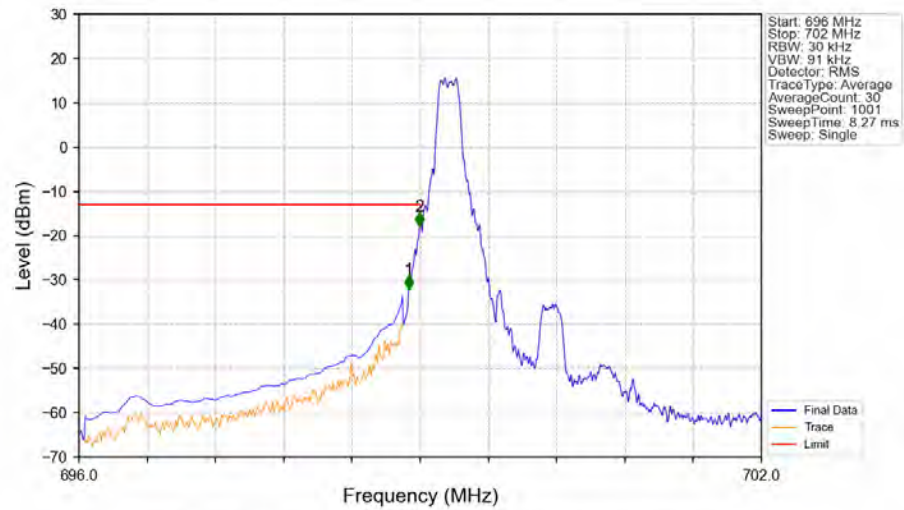
Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 5 NTNV



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

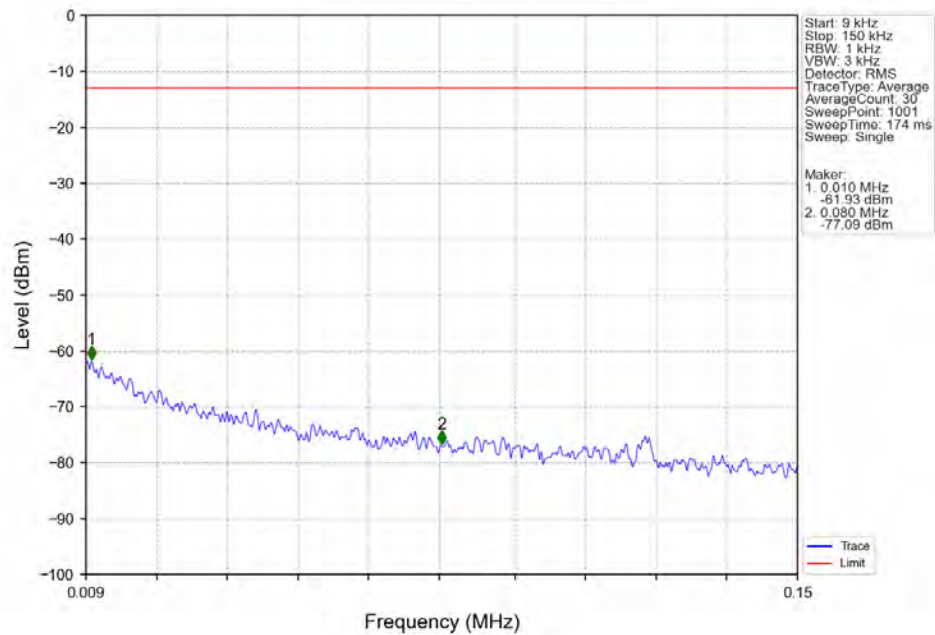


Band12 1.4MHz 64QAM LCH 699.7MHz RB 1 0 NTNV

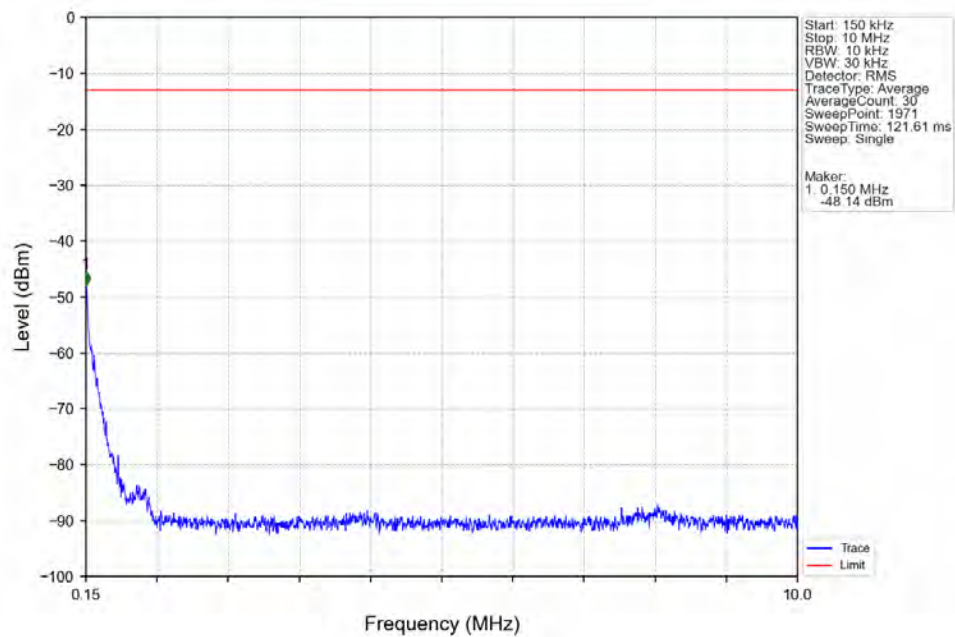


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.898	-32.06	-13	Pass
698.9	699	0.03	/	2	698.994	-17.89	-13	Pass
699	702	0.03	/	/	/	/	/	/

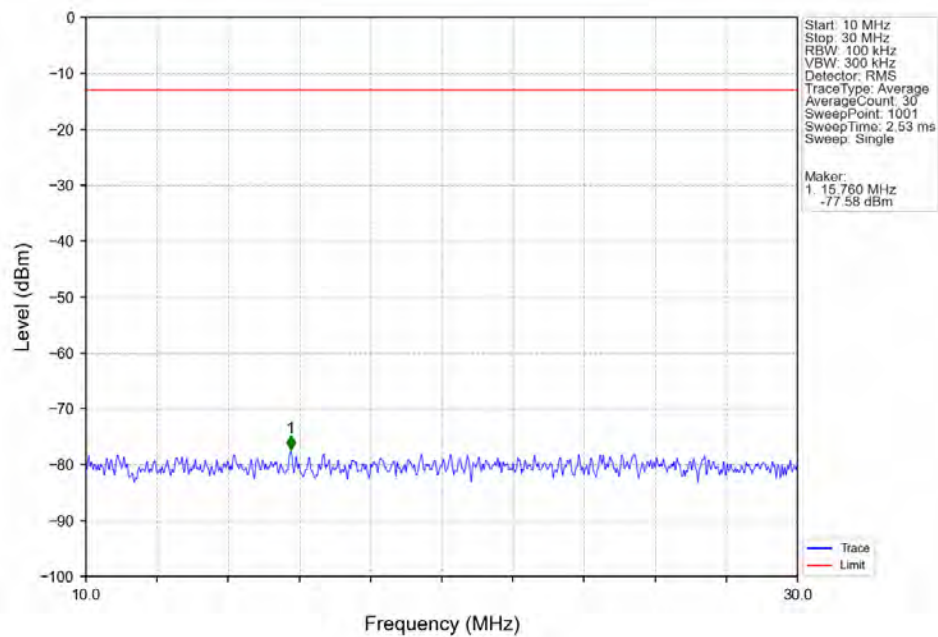
Band12 1.4MHz 64QAM LCH 699.7MHz RB 1 0 NTNV



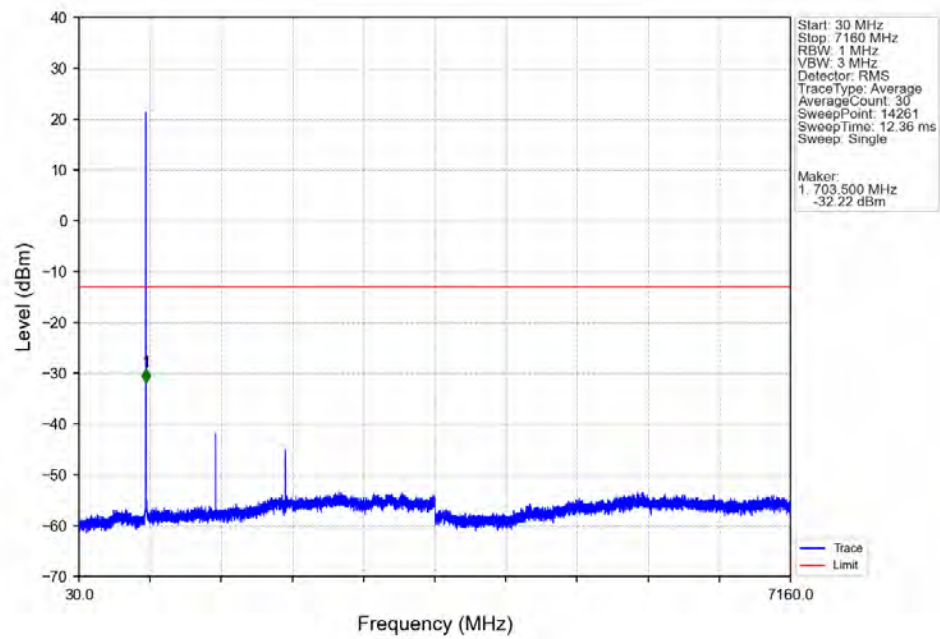
Band12 1.4MHz 64QAM LCH 699.7MHz RB 1 0 NTV



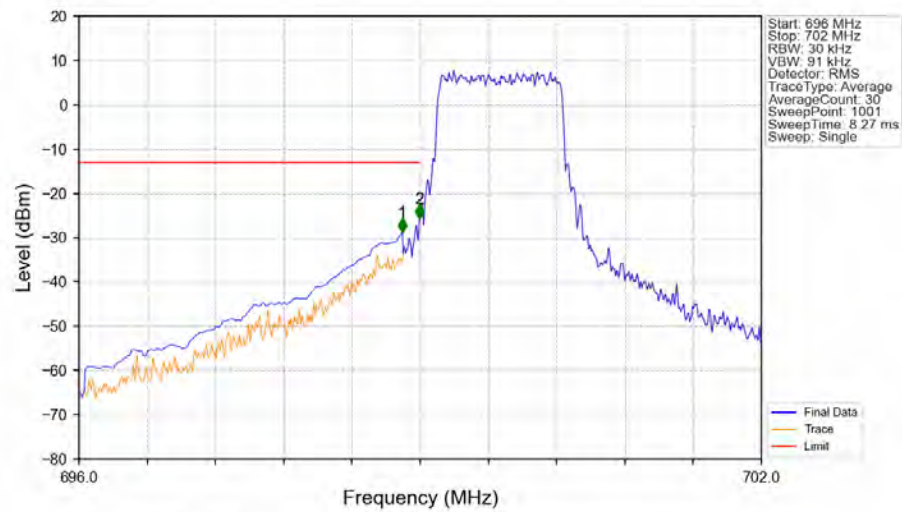
Band12 1.4MHz 64QAM LCH 699.7MHz RB 1 0 NTV



Band12 1.4MHz 64QAM LCH 699.7MHz RB 1 0 NTV

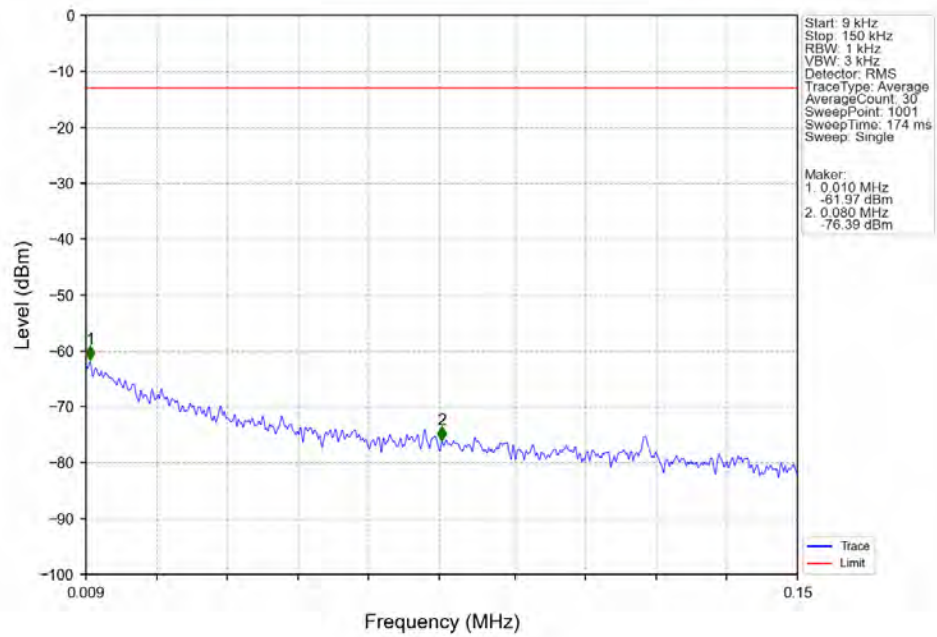


Band12 1.4MHz 64QAM LCH 699.7MHz RB 6 0 NTV

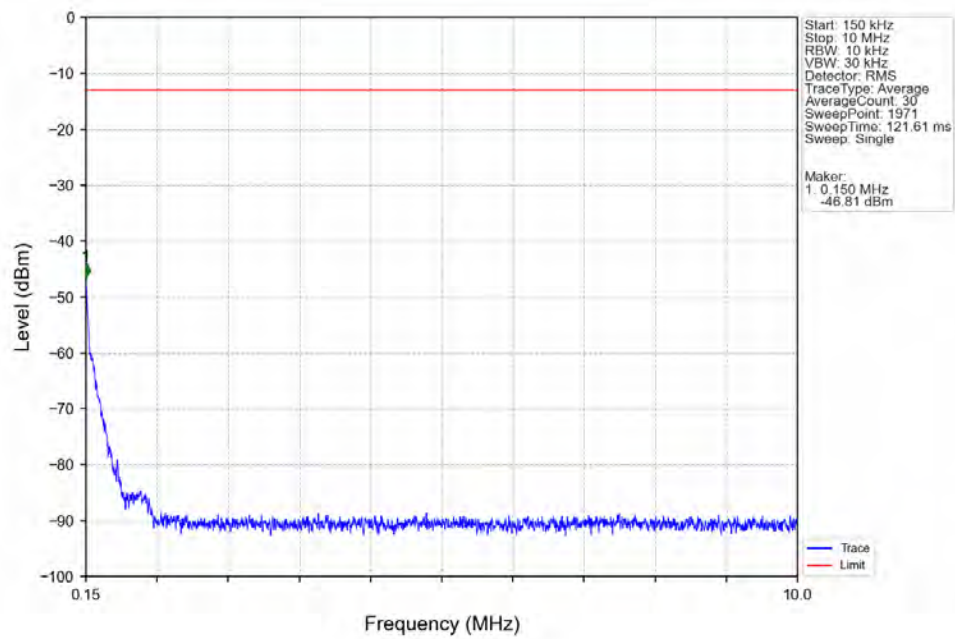


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-28.72	-13	Pass
698.9	699	0.03	/	2	698.994	-25.67	-13	Pass
699	702	0.03	/	/	/	/	/	/

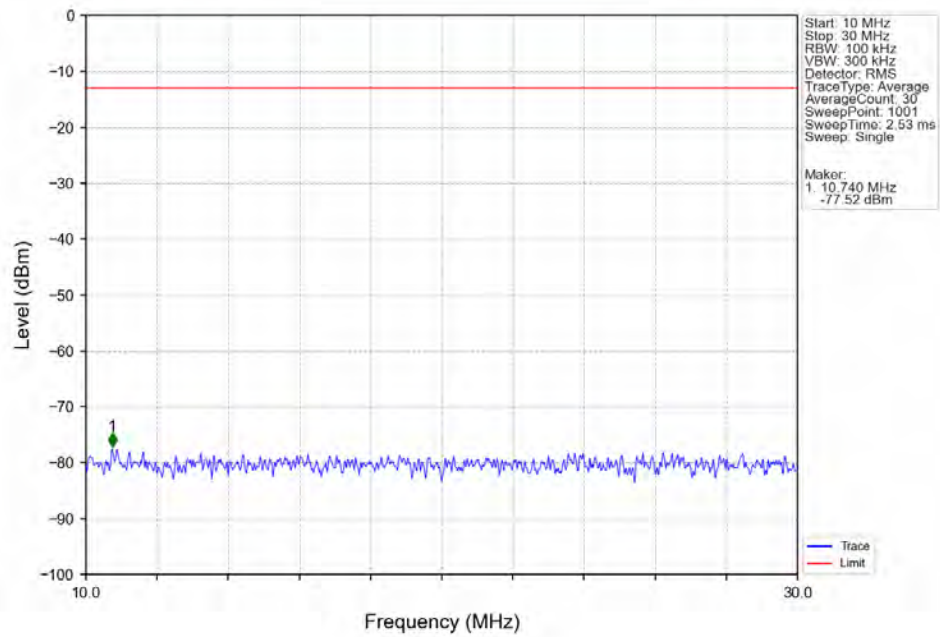
Band12 1.4MHz 64QAM MCH 707.5MHz RB 1 0 NTNV



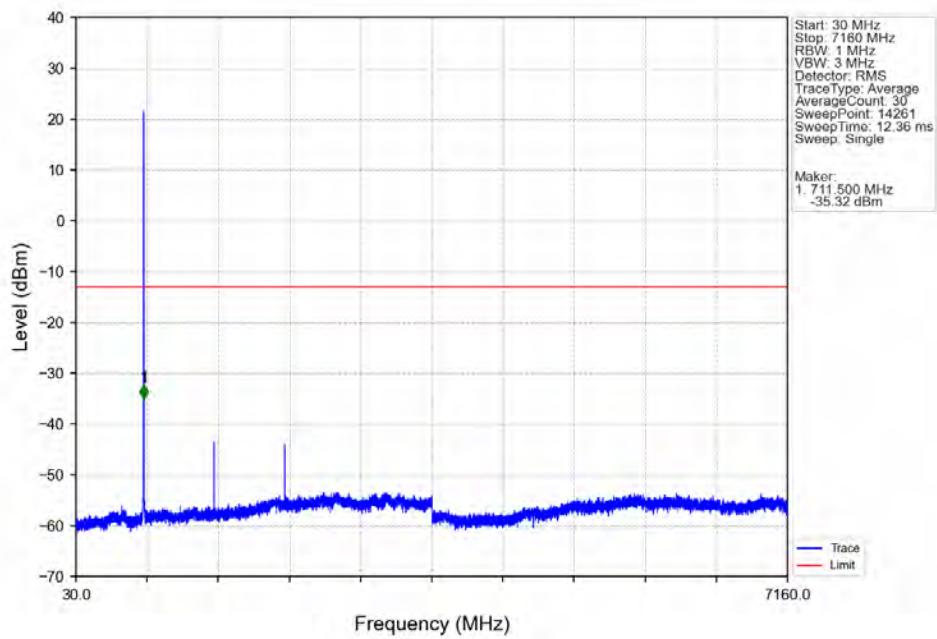
Band12 1.4MHz 64QAM MCH 707.5MHz RB 1 0 NTNV



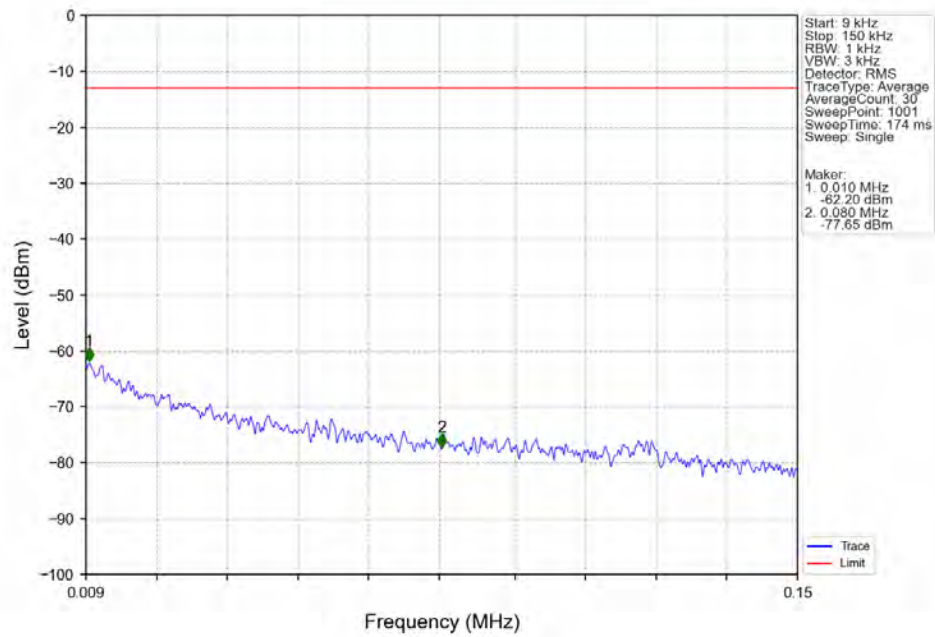
Band12 1.4MHz 64QAM MCH 707.5MHz RB 1 0 NTV



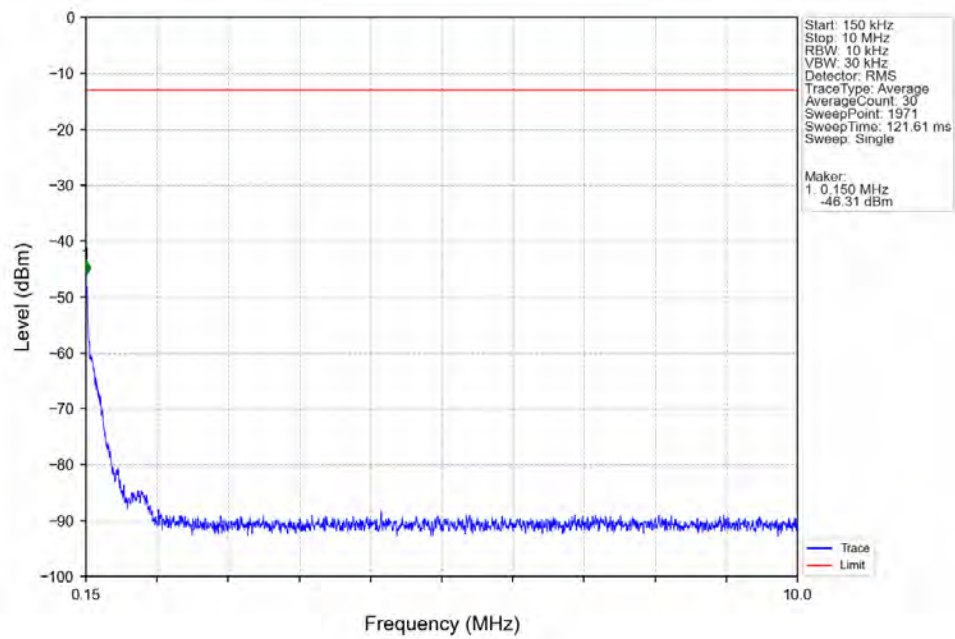
Band12 1.4MHz 64QAM MCH 707.5MHz RB 1 0 NTV



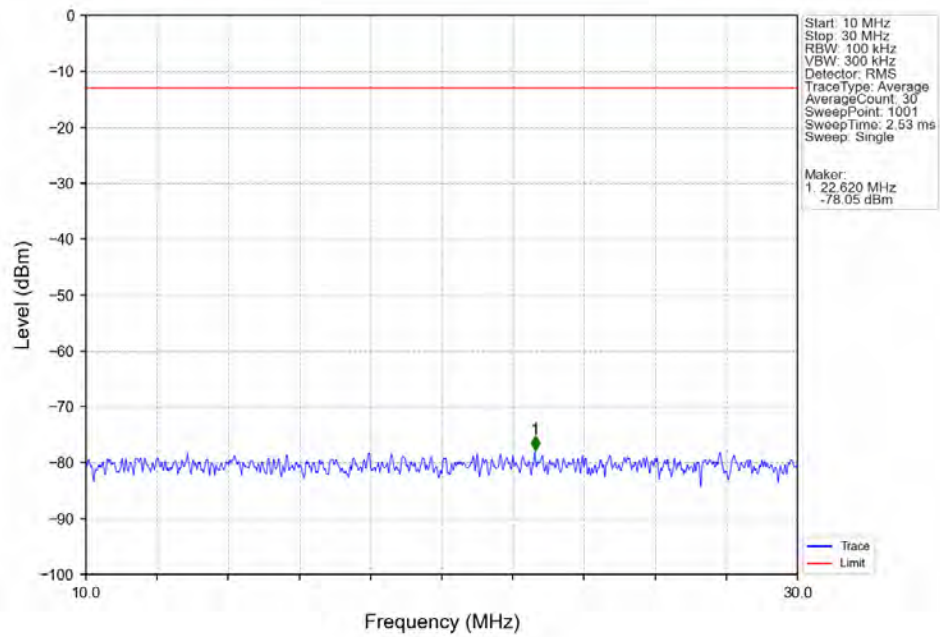
Band12 1.4MHz 64QAM HCH 715.3MHz RB 1 0 NTNV



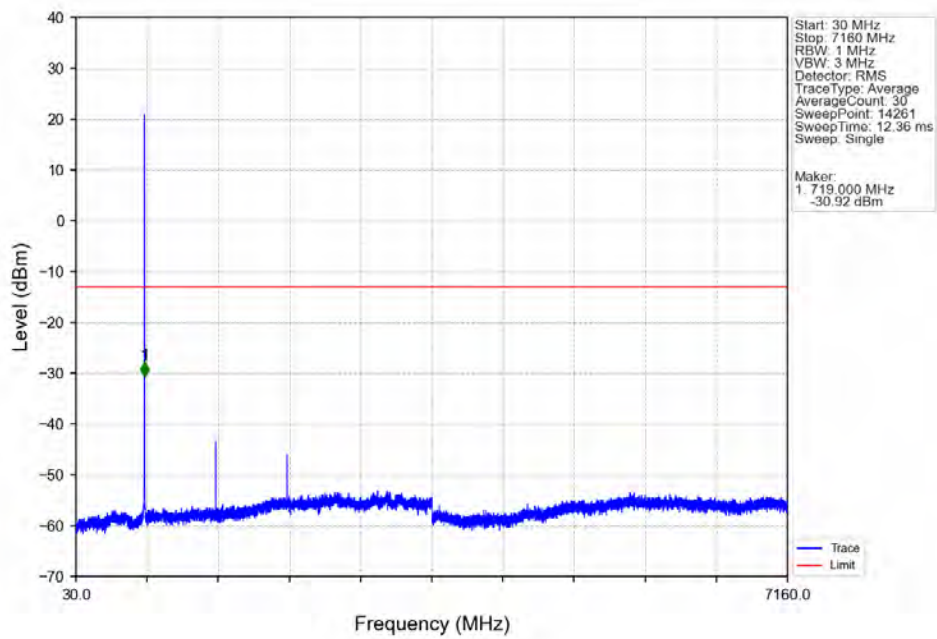
Band12 1.4MHz 64QAM HCH 715.3MHz RB 1 0 NTNV



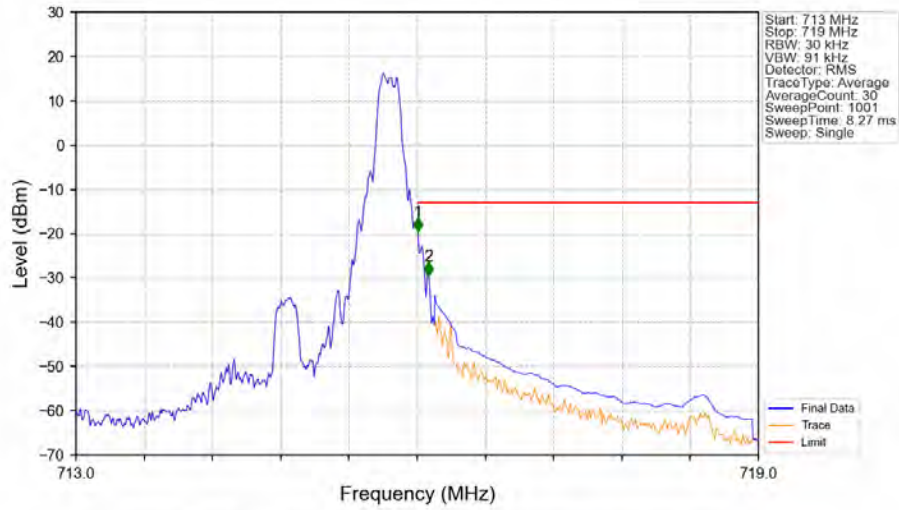
Band12 1.4MHz 64QAM HCH 715.3MHz RB 1 0 NTV



Band12 1.4MHz 64QAM HCH 715.3MHz RB 1 0 NTV

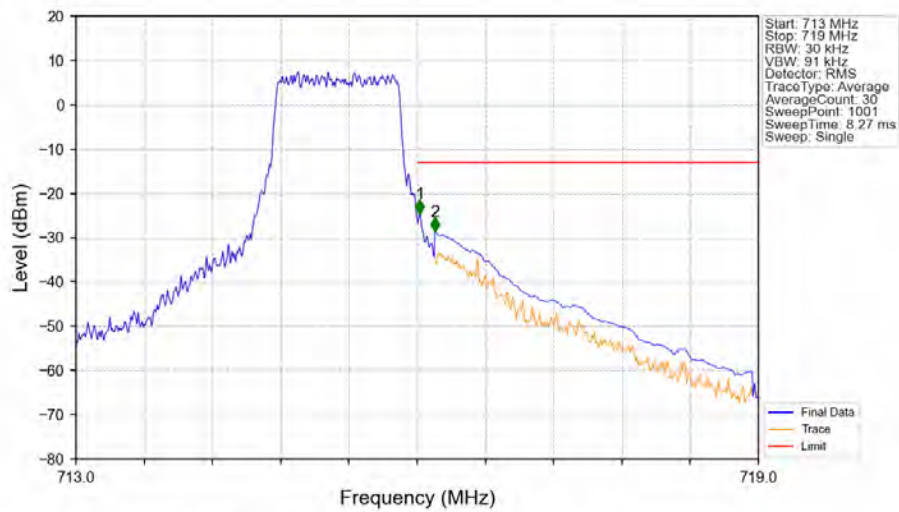


Band12 1.4MHz 64QAM HCH 715.3MHz RB 1 5 NTNV



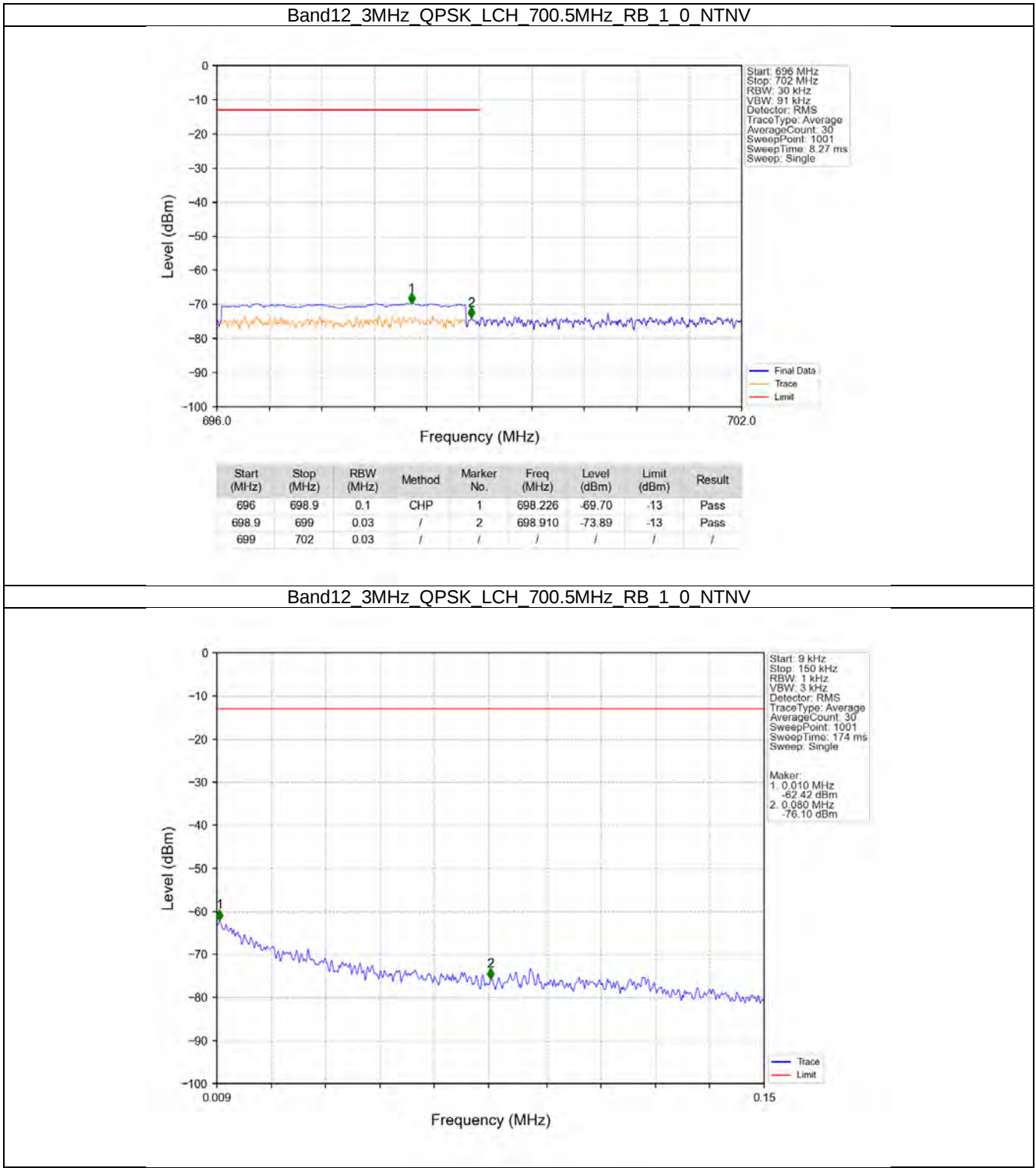
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-19.43	-13	Pass
716.1	719	0.1	CHP	2	716.102	-29.43	-13	Pass

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

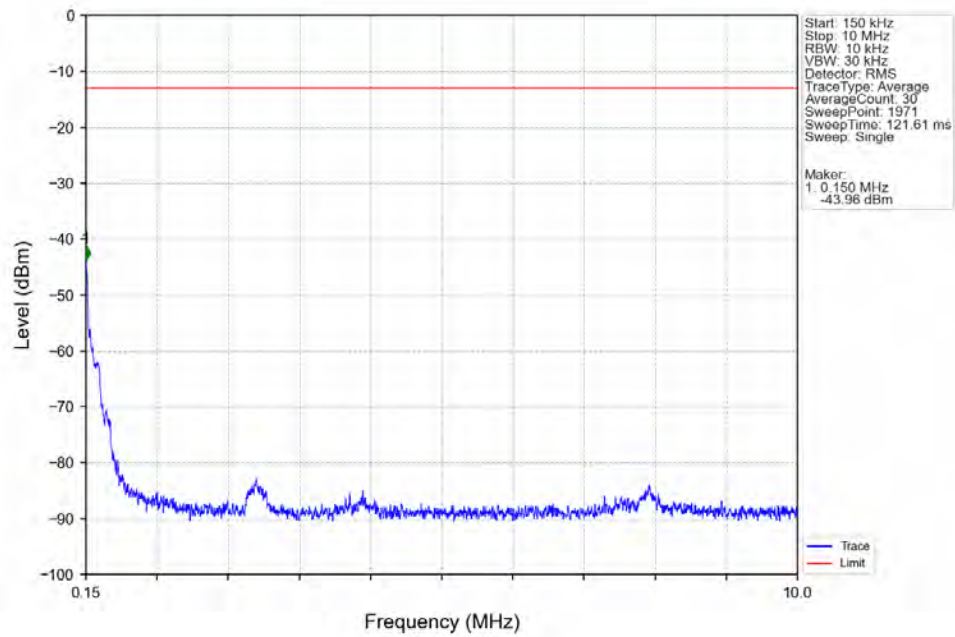


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.024	-24.64	-13	Pass
716.1	719	0.1	CHP	2	716.156	-28.59	-13	Pass

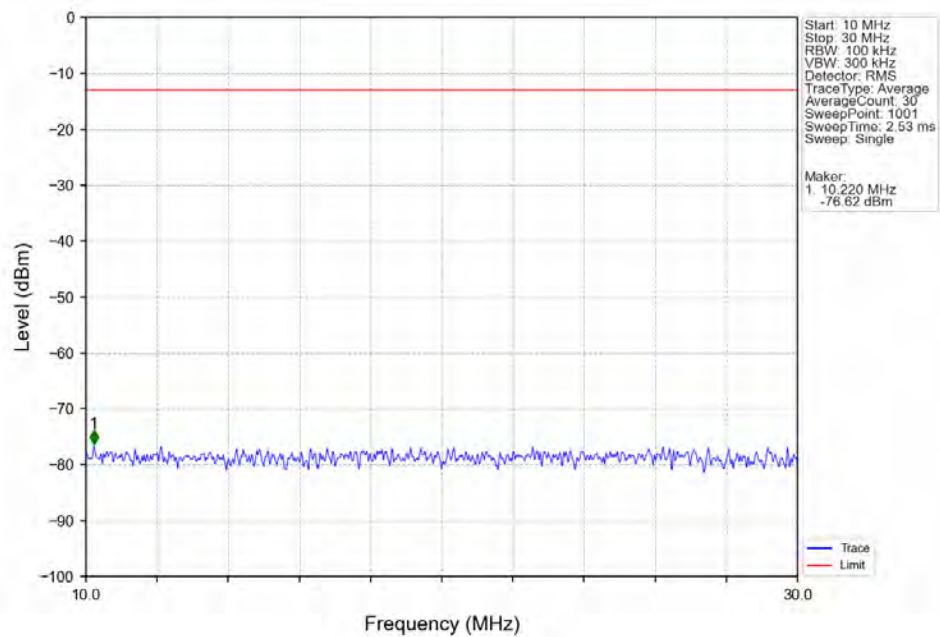
5.2.2 B12_3MHz



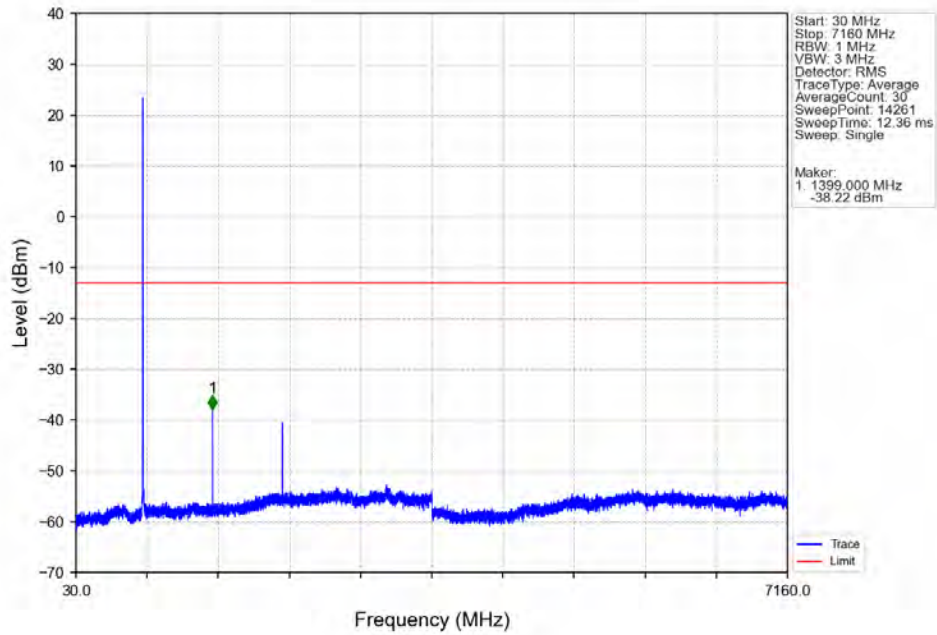
Band12 3MHz QPSK LCH 700.5MHz RB 1 0 NTNV



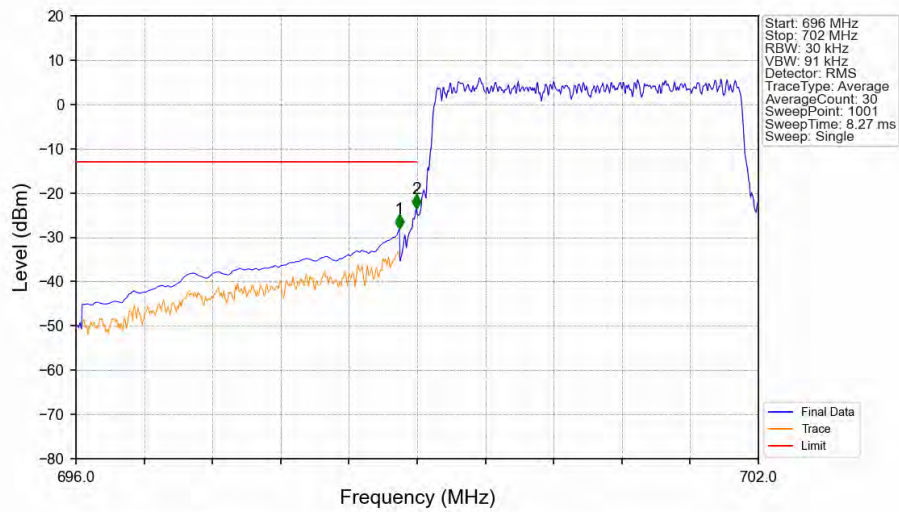
Band12 3MHz QPSK LCH 700.5MHz RB 1 0 NTNV



Band12 3MHz QPSK LCH 700.5MHz RB 1 0 NTN

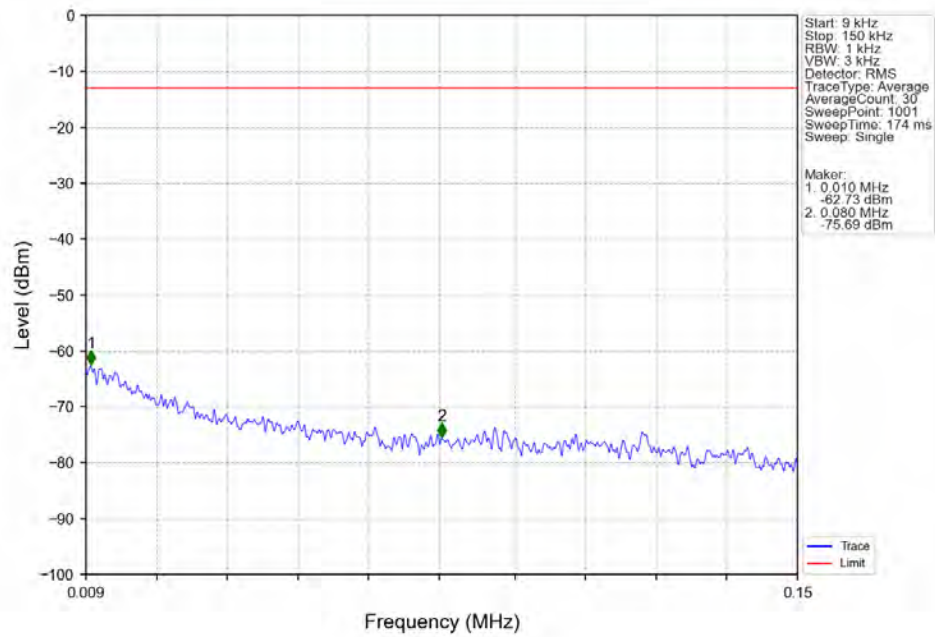


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTN

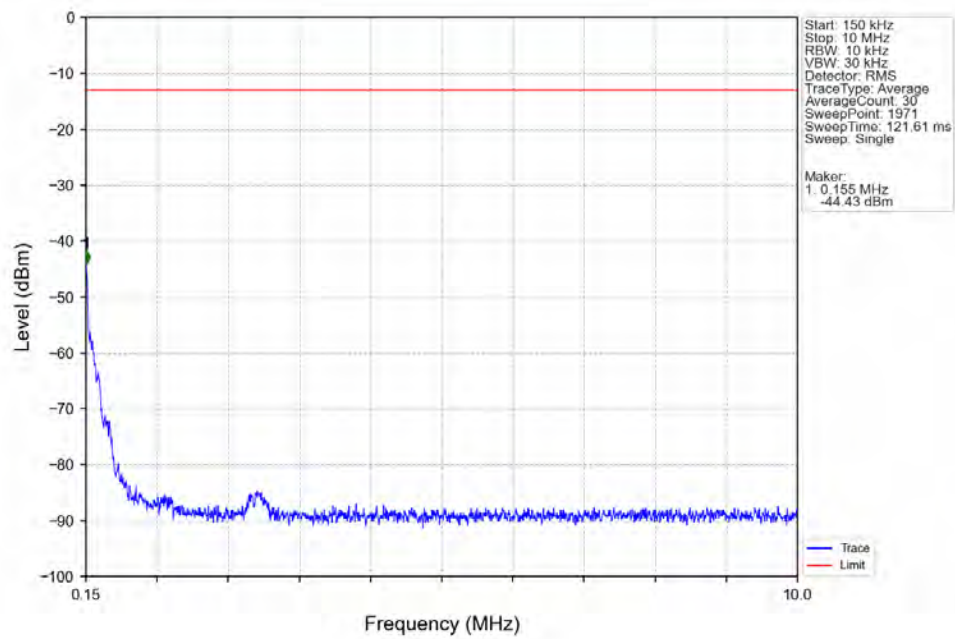


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-28.09	-13	Pass
698.9	699	0.03	/	2	698.994	-23.50	-13	Pass
699	702	0.03	/	/	/	/	/	/

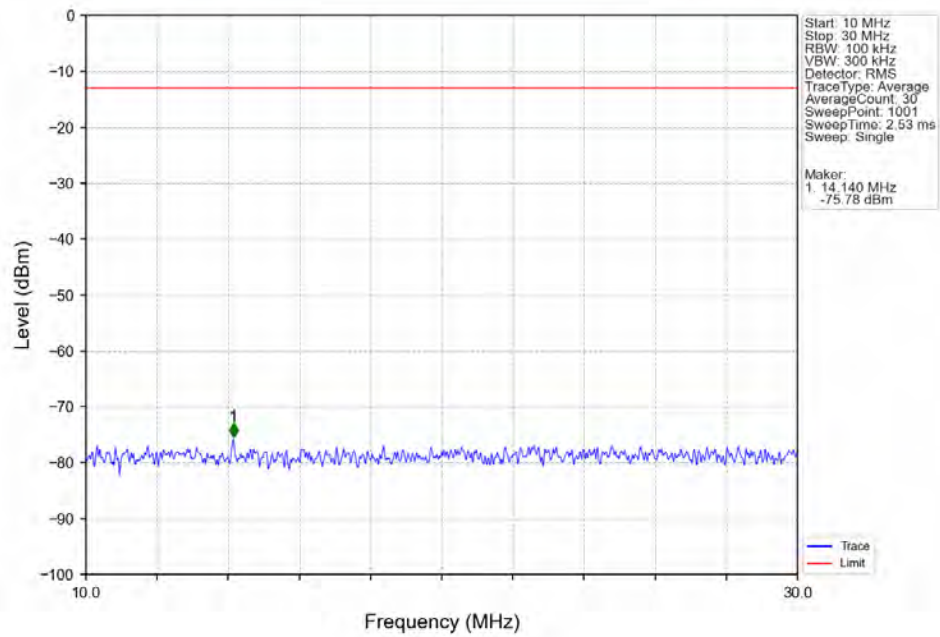
Band12 3MHz QPSK MCH 707.5MHz RB 1 0 NTN



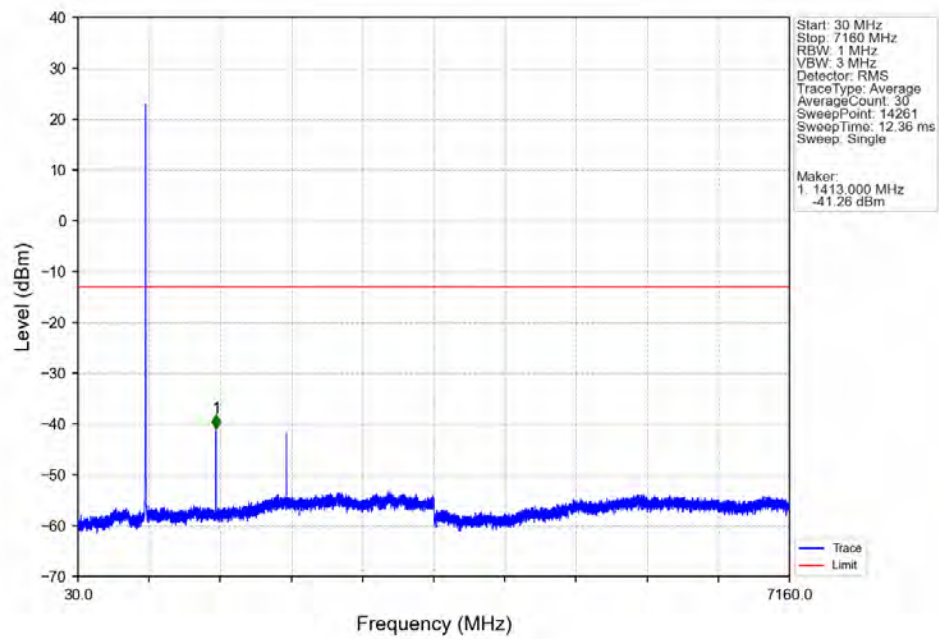
Band12 3MHz QPSK MCH 707.5MHz RB 1 0 NTN



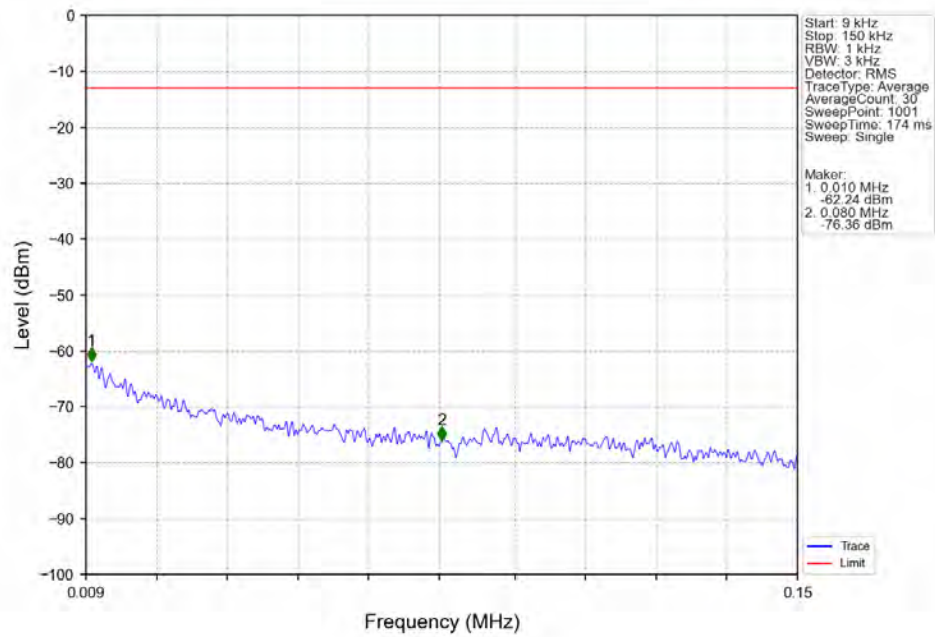
Band12 3MHz QPSK MCH 707.5MHz RB 1 0 NTNV



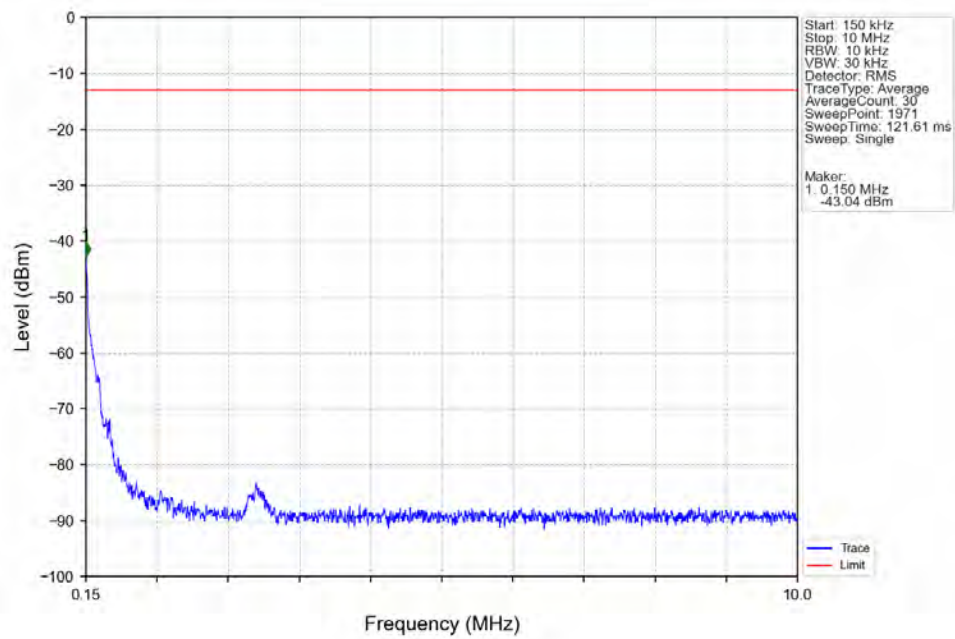
Band12 3MHz QPSK MCH 707.5MHz RB 1 0 NTNV



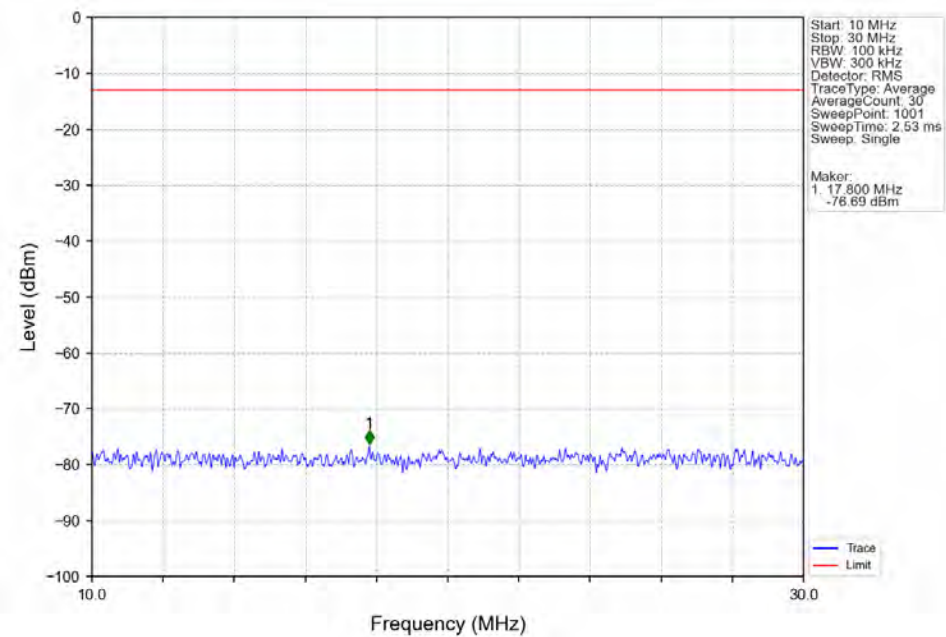
Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTN



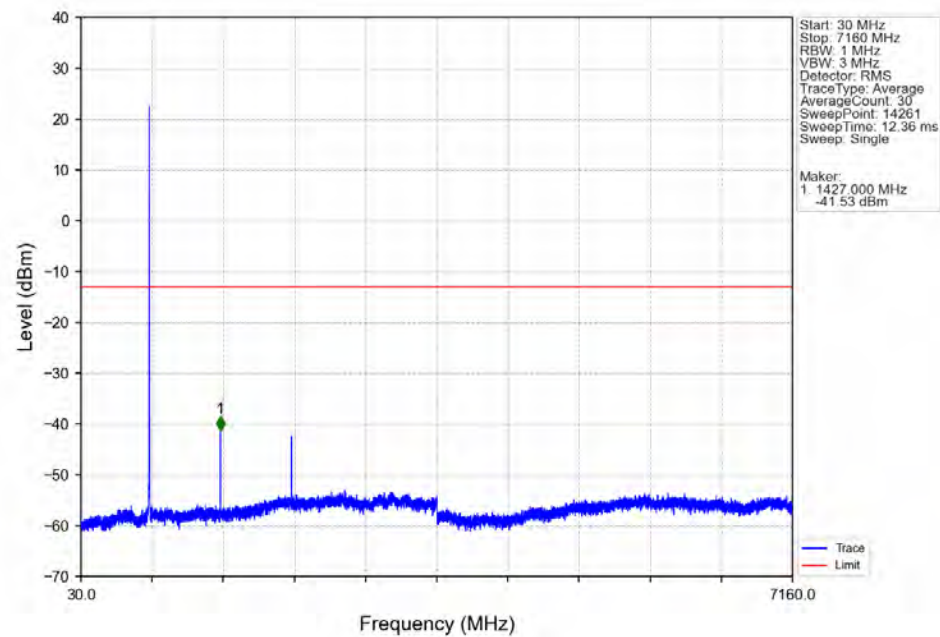
Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTN



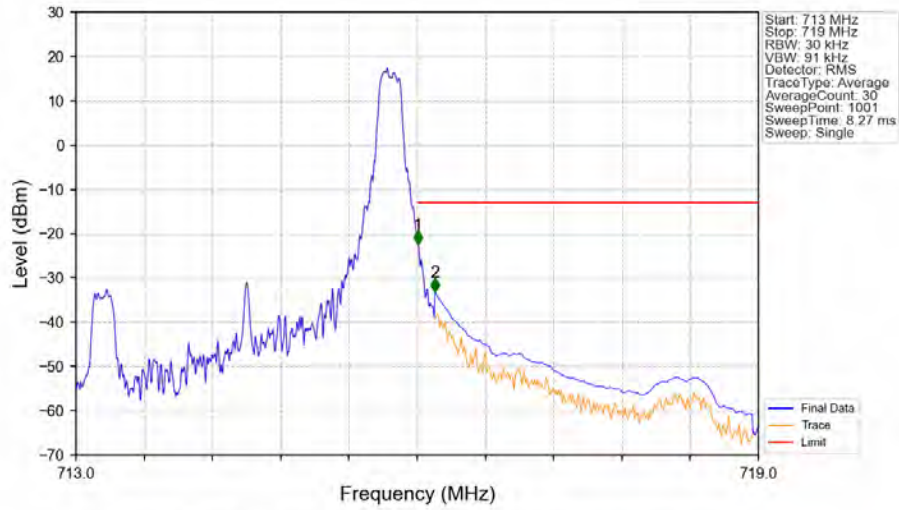
Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTN



Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTN

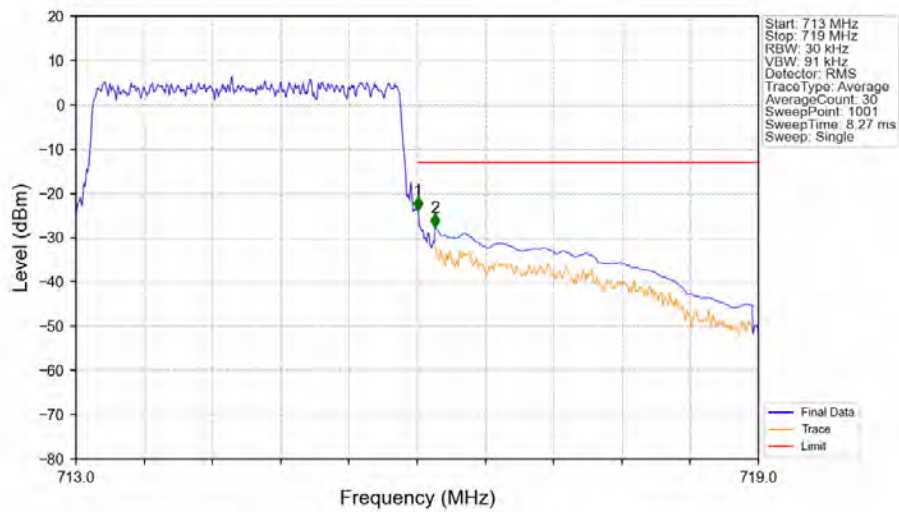


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



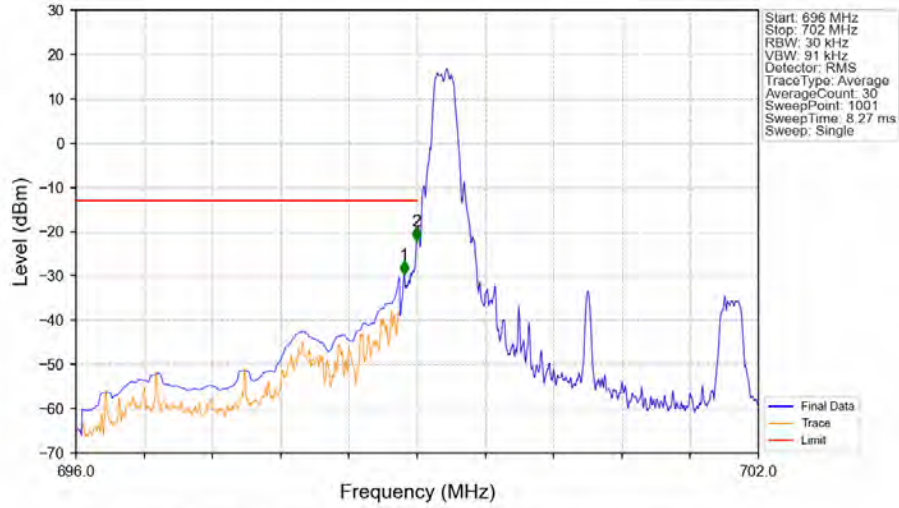
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-22.41	-13	Pass
716.1	719	0.1	CHP	2	716.156	-33.12	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



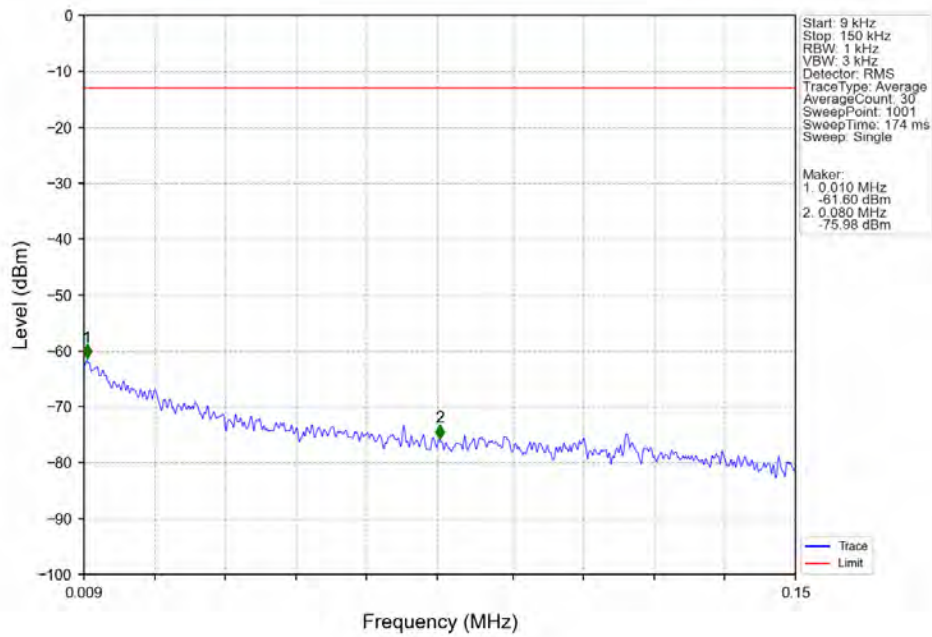
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-23.86	-13	Pass
716.1	719	0.1	CHP	2	716.156	-27.69	-13	Pass

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

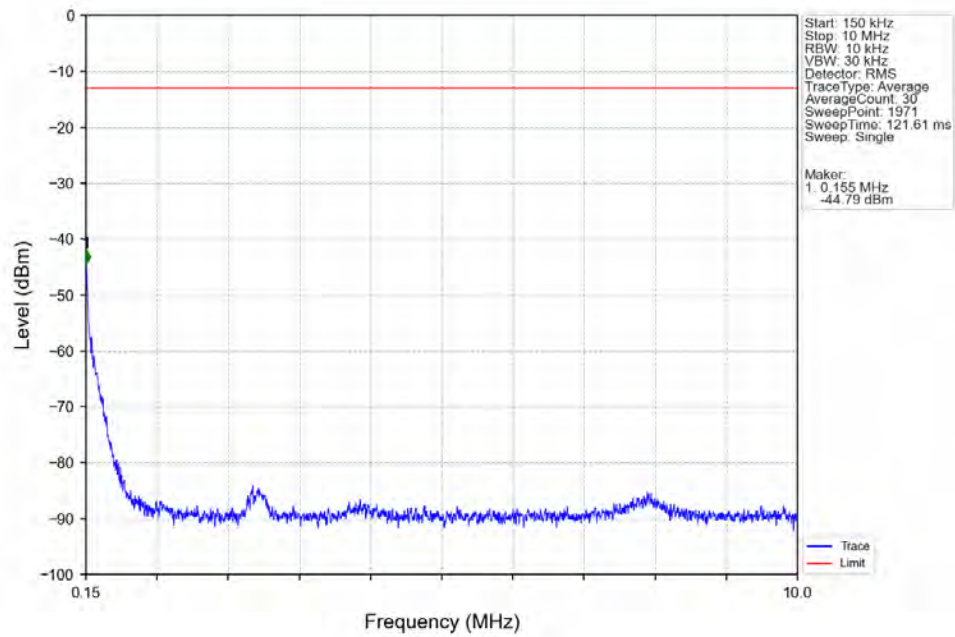


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.886	-29.77	-13	Pass
698.9	699	0.03	/	2	698.994	-22.11	-13	Pass
699	702	0.03	/	/	/	/	/	/

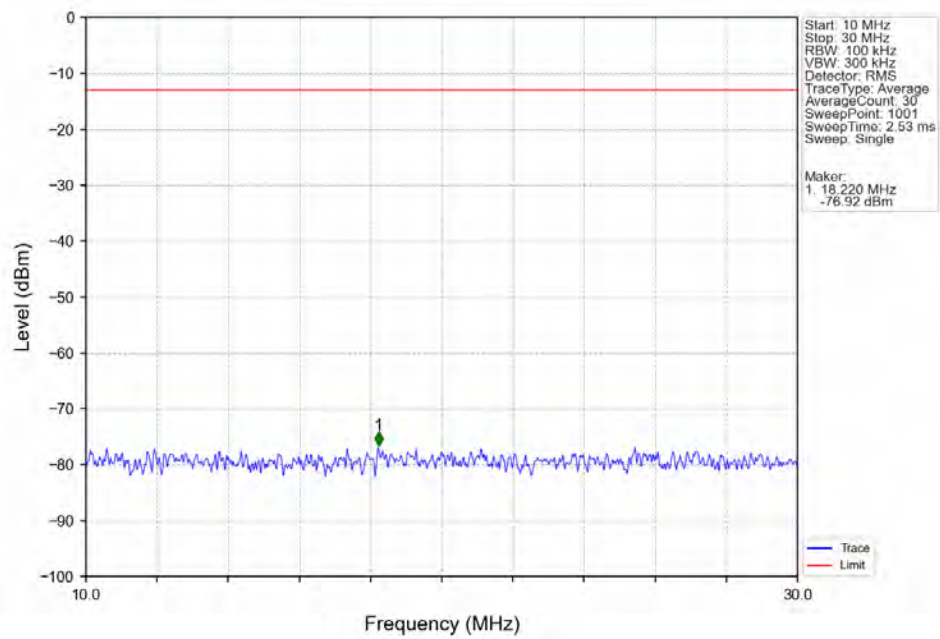
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



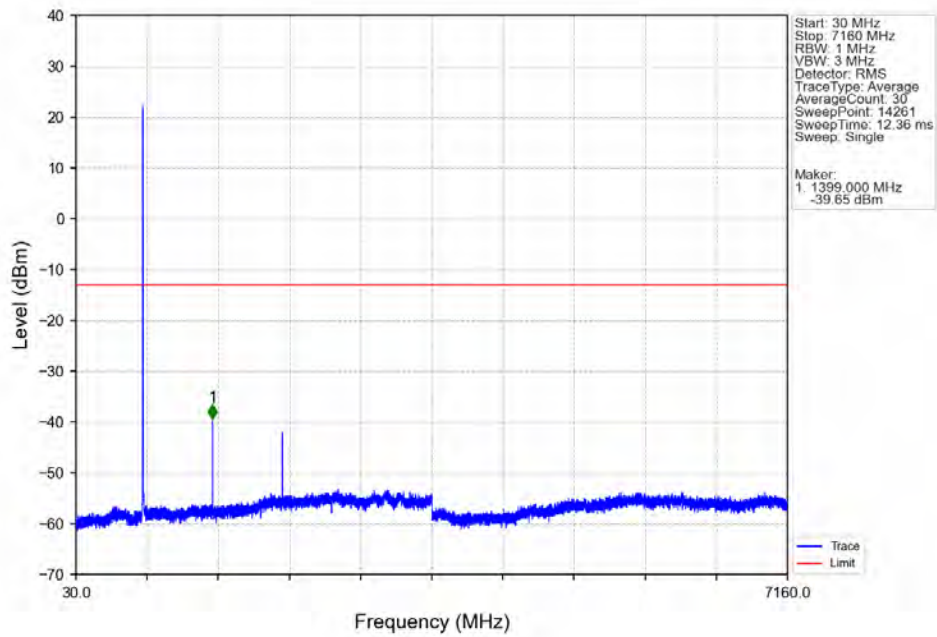
Band12 3MHz 16QAM LCH 700.5MHz RB 1 0 NTNV



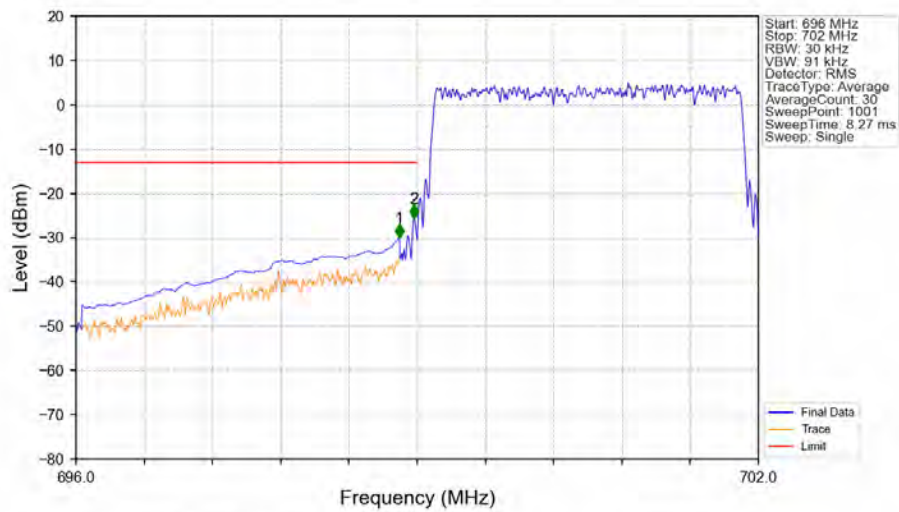
Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



Band12 3MHz 16QAM LCH 700.5MHz RB 1 0 NTNV

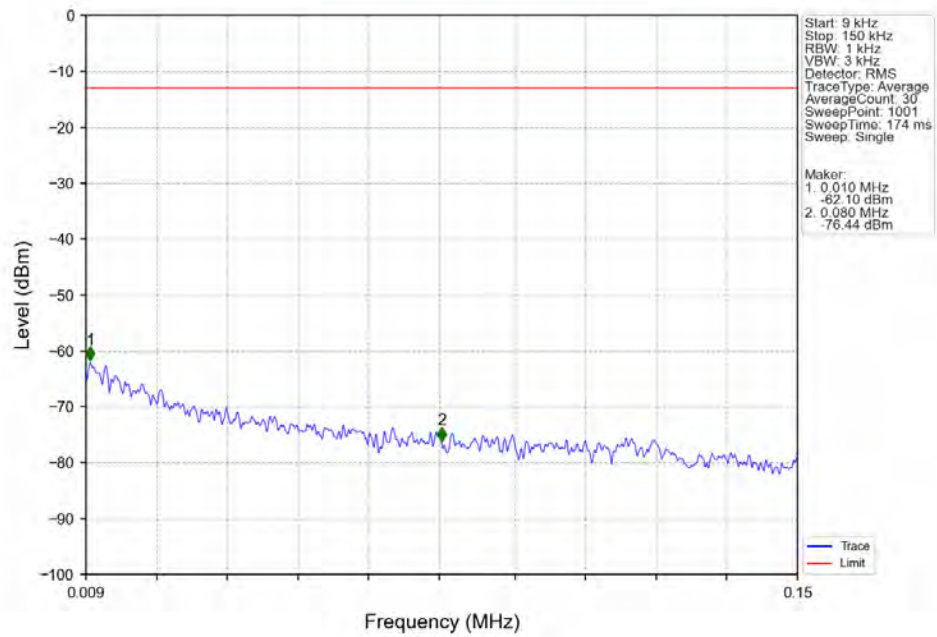


Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

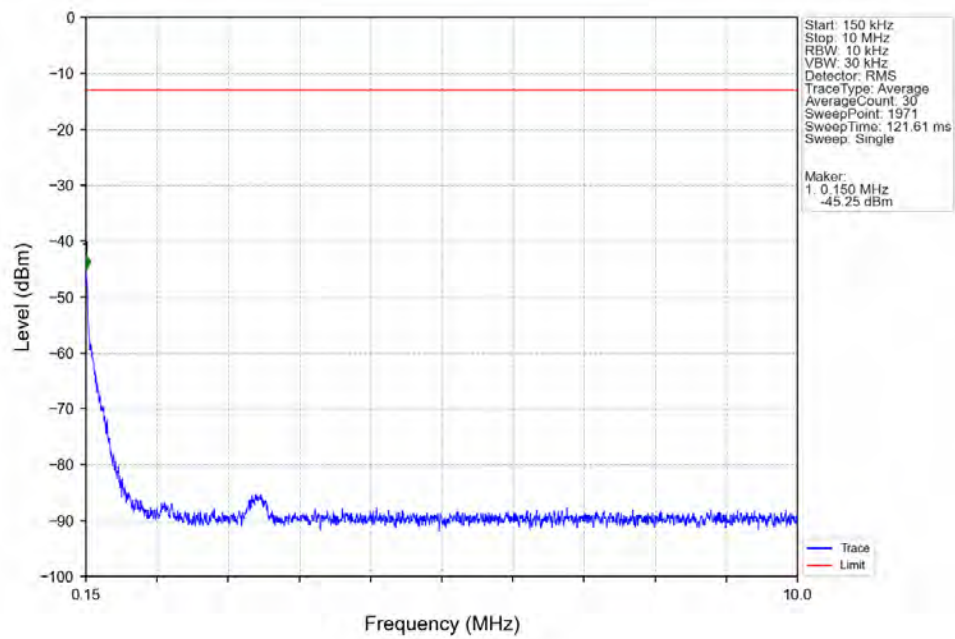


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-30.00	-13	Pass
698.9	699	0.03	/	2	698.970	-25.70	-13	Pass
699	702	0.03	/	/	/	/	/	/

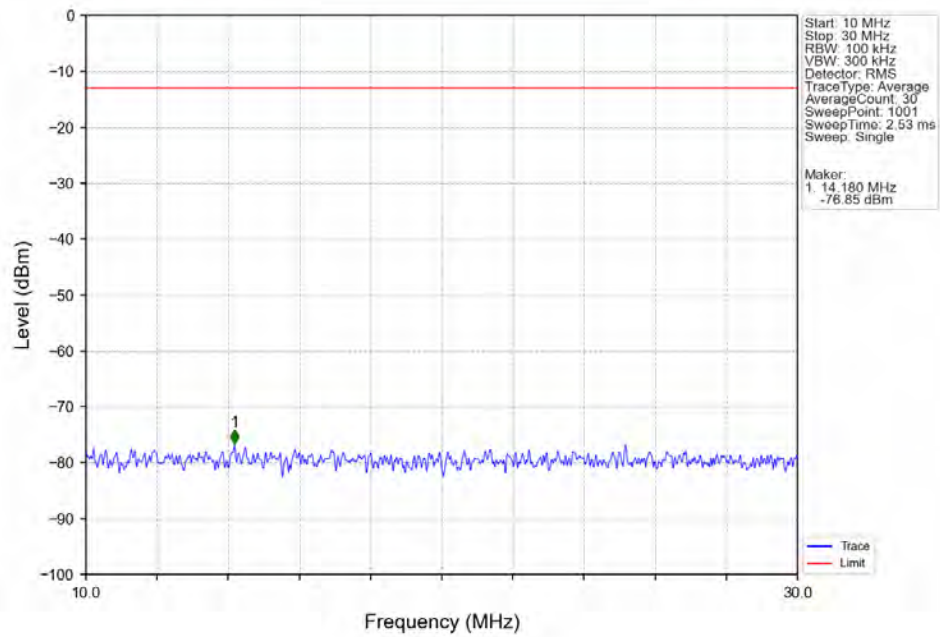
Band12 3MHz 16QAM MCH 707.5MHz RB 1 0 NTV



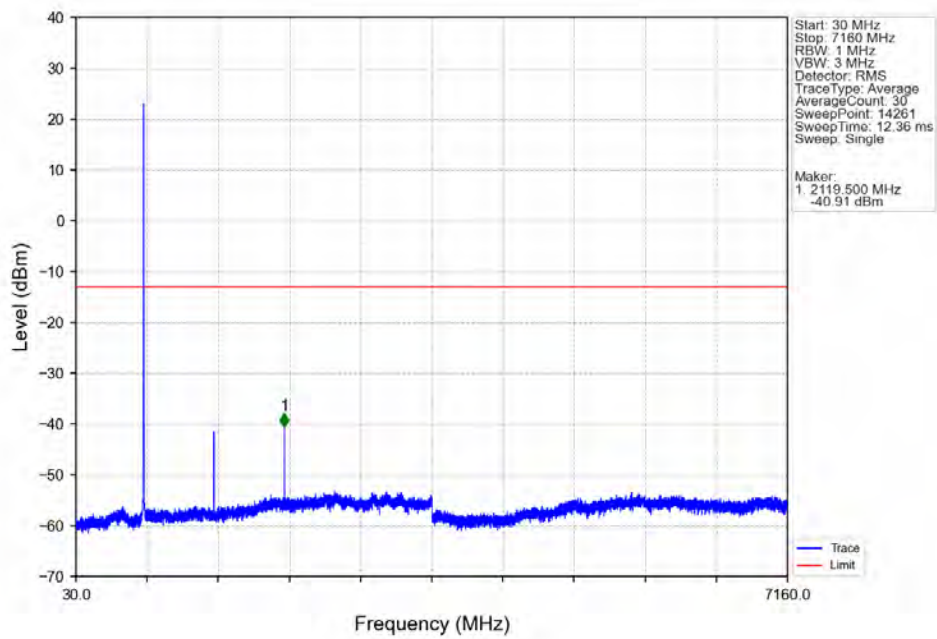
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTV



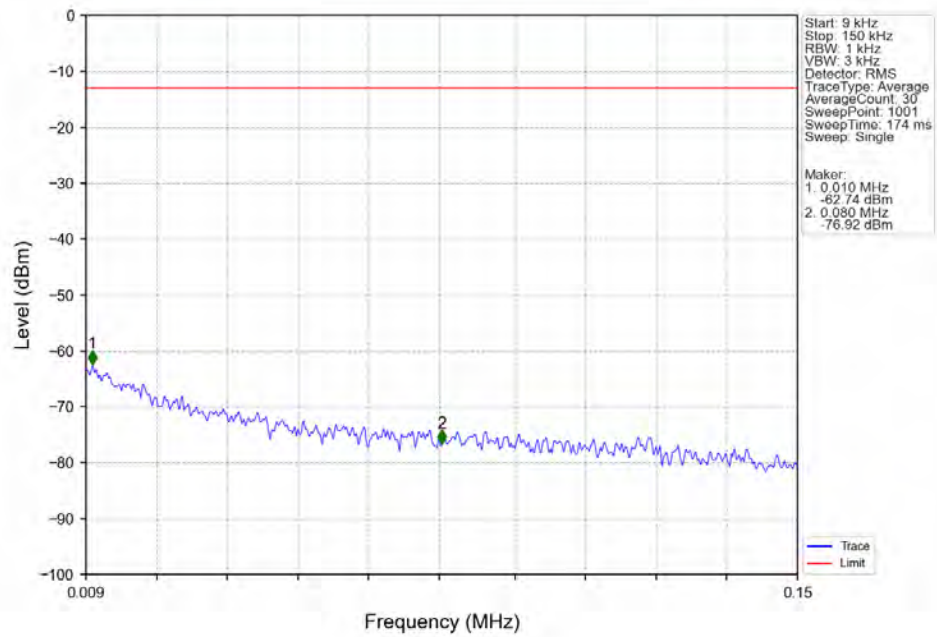
Band12 3MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



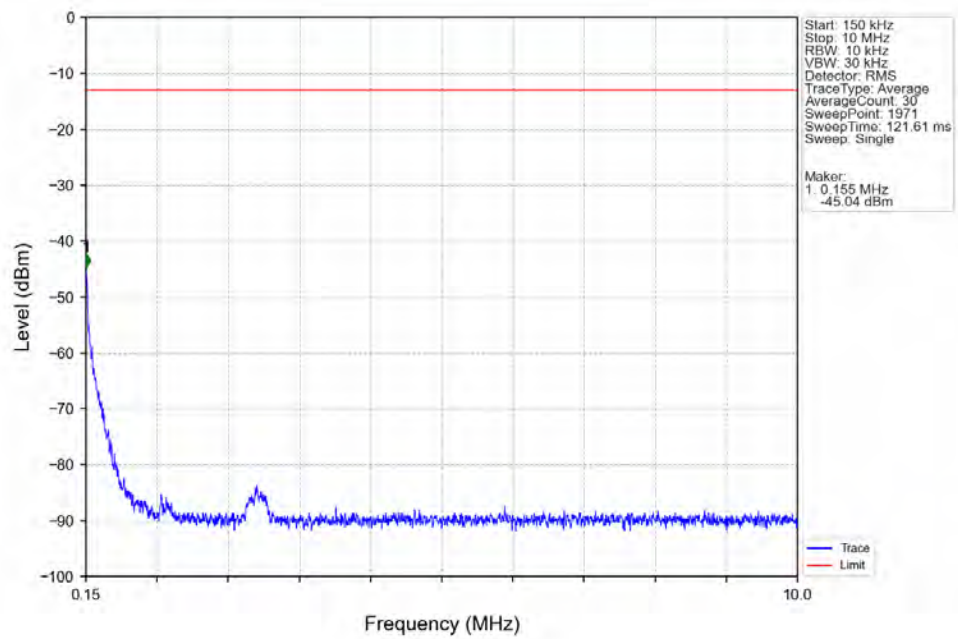
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



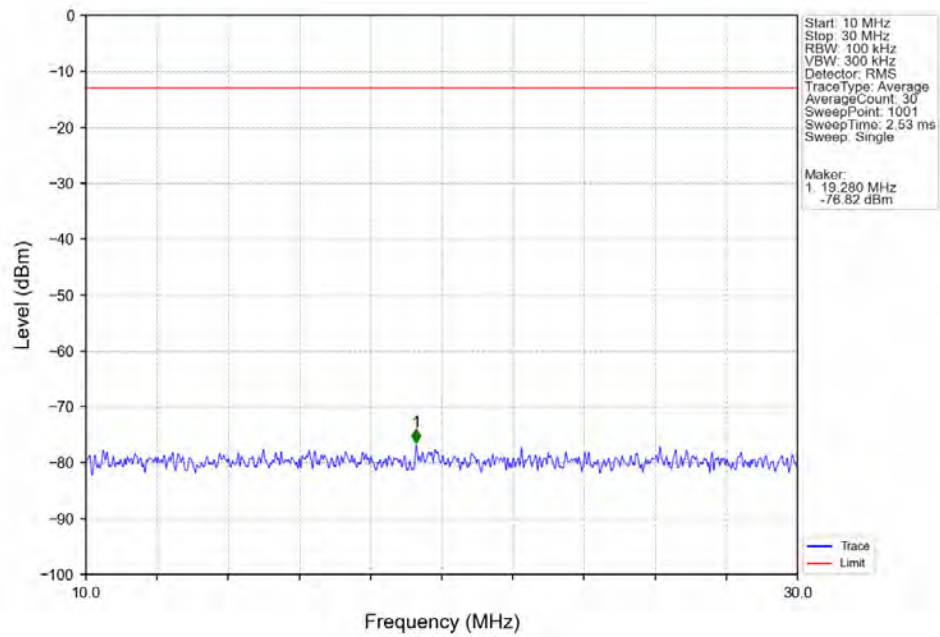
Band12 3MHz 16QAM HCH 714.5MHz RB 1 0 NTNV



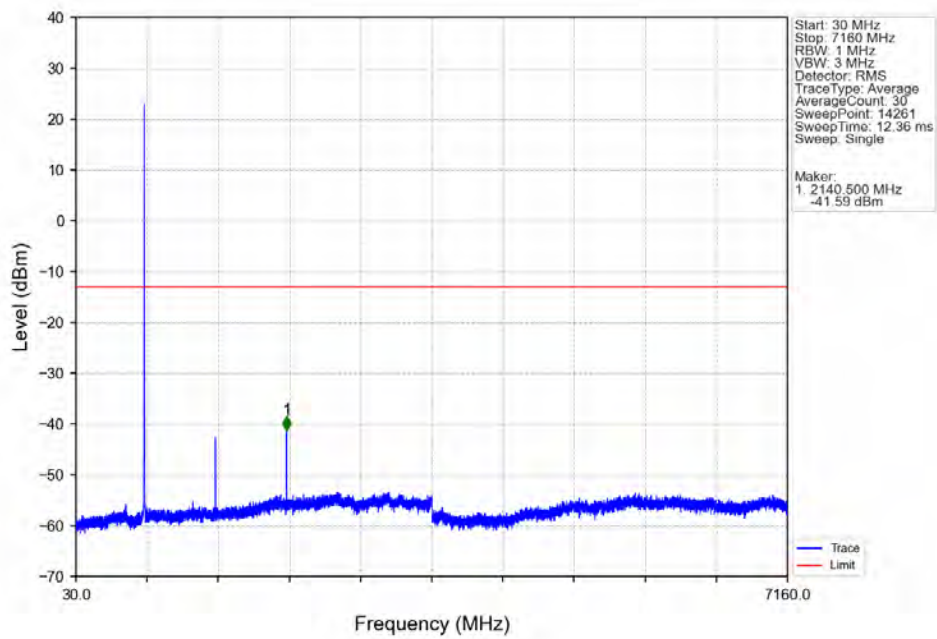
Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV



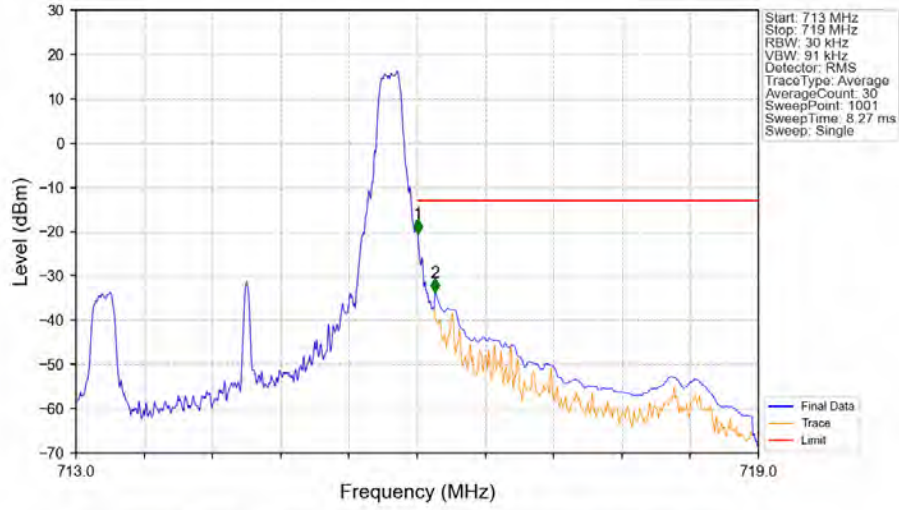
Band12 3MHz 16QAM HCH 714.5MHz RB 1 0 NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV

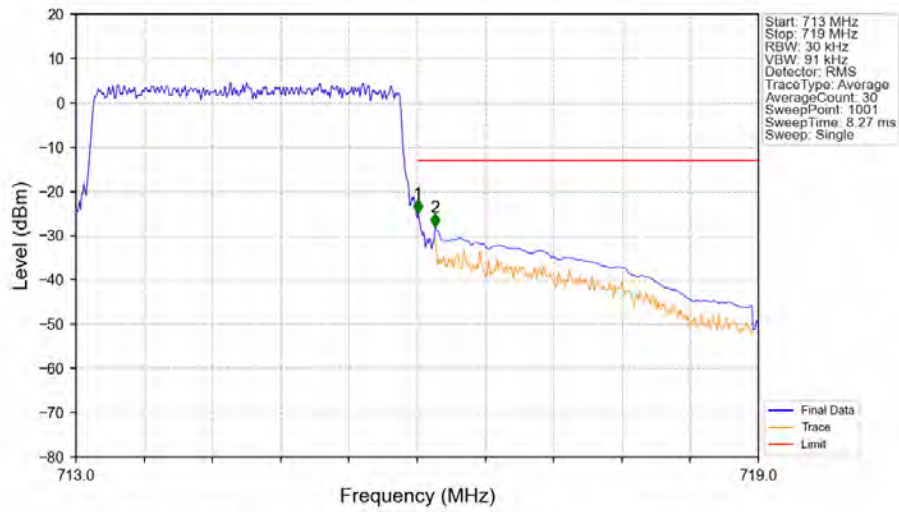


Band12 3MHz 16QAM HCH 714.5MHz RB 1 14 NTNV



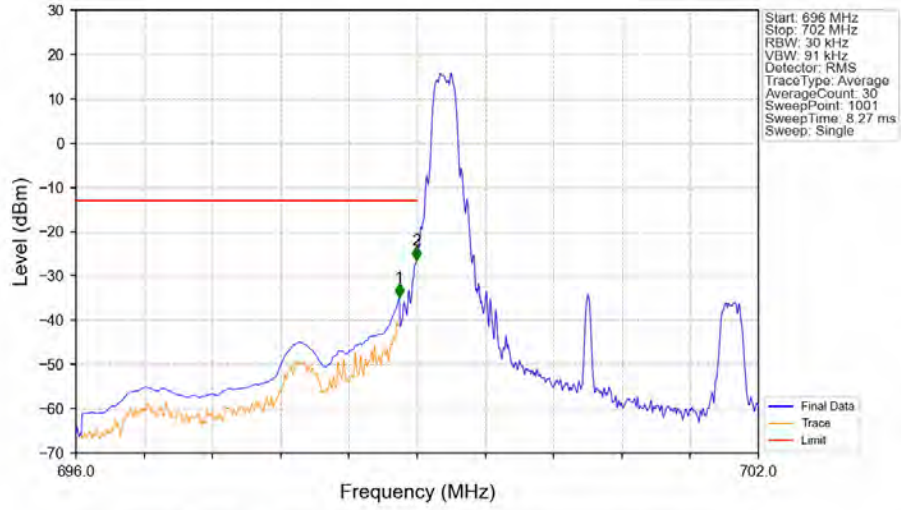
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-20.37	-13	Pass
716.1	719	0.1	CHP	2	716.156	-33.68	-13	Pass

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

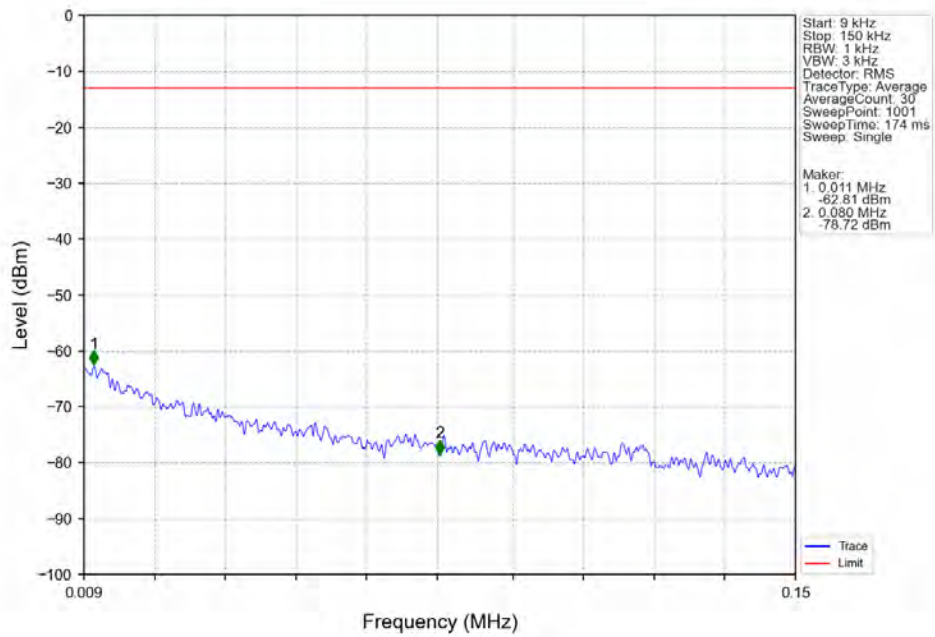


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-24.89	-13	Pass
716.1	719	0.1	CHP	2	716.156	-28.11	-13	Pass

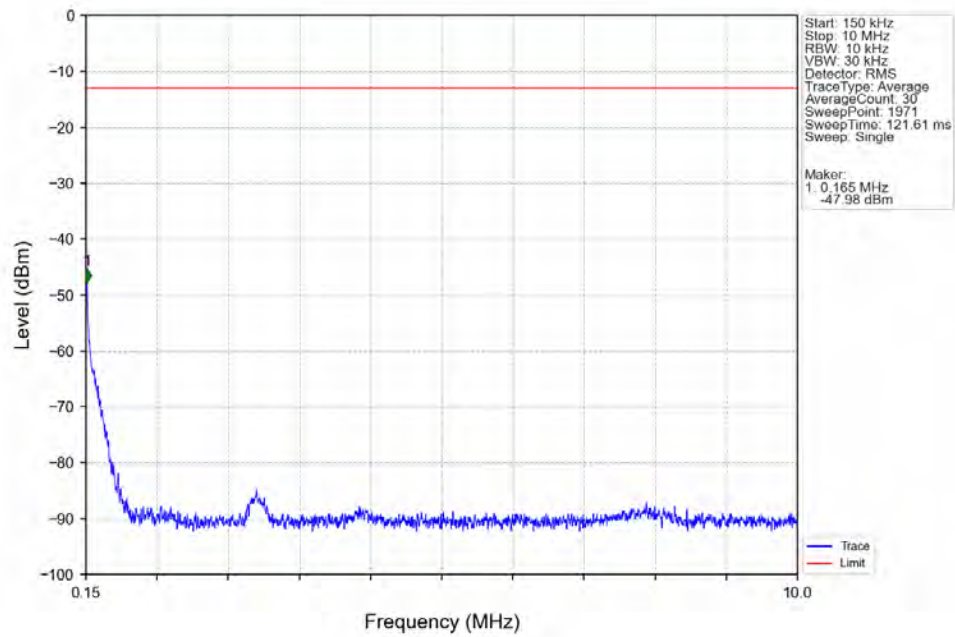
Band12 3MHz 64QAM LCH 700.5MHz RB 1 0 NTV



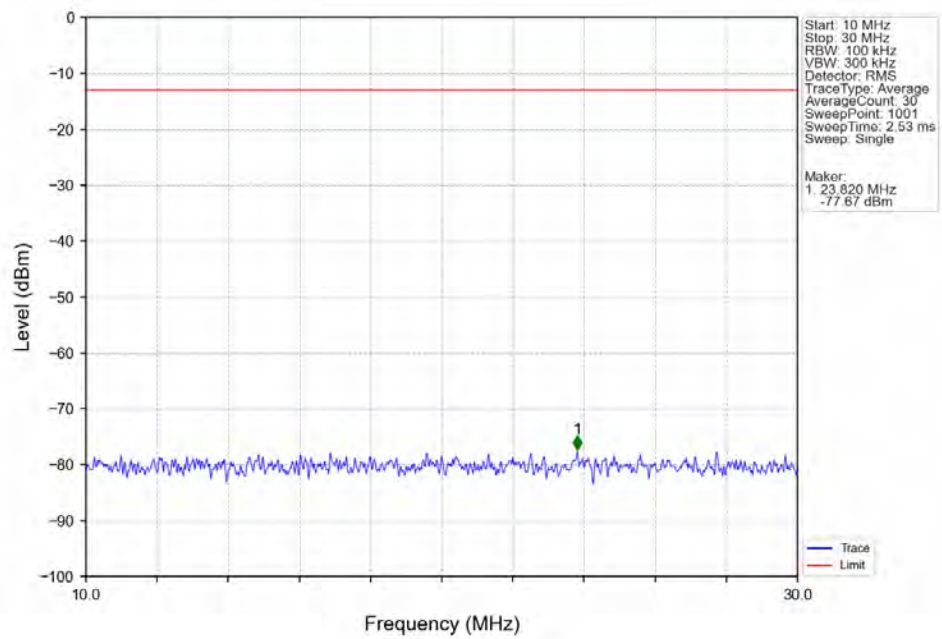
Band12_3MHz_64QAM_LCH_700.5MHz_RB_1_0_NTV



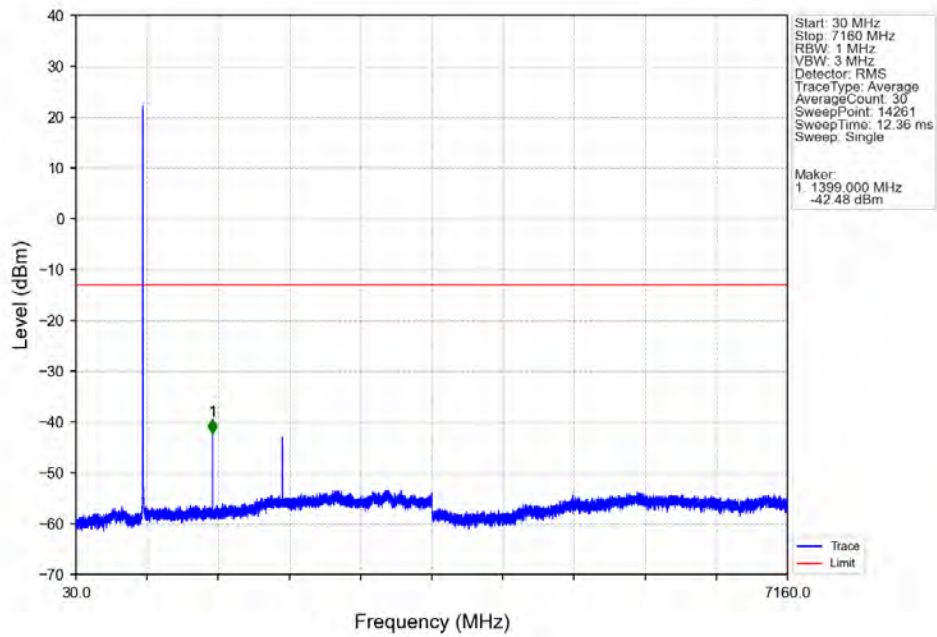
Band12 3MHz 64QAM LCH 700.5MHz RB 1 0 NTV



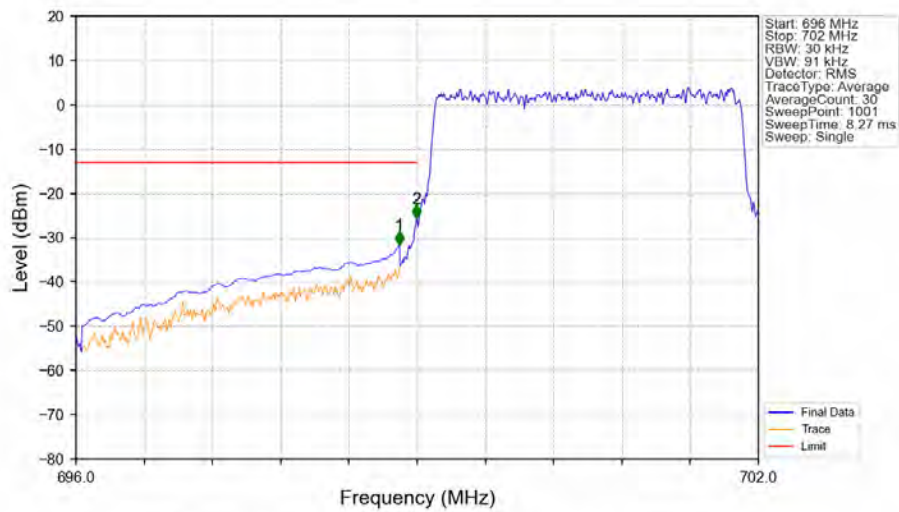
Band12 3MHz 64QAM LCH 700.5MHz RB 1 0 NTV



Band12 3MHz 64QAM LCH 700.5MHz RB 1 0 NTNV

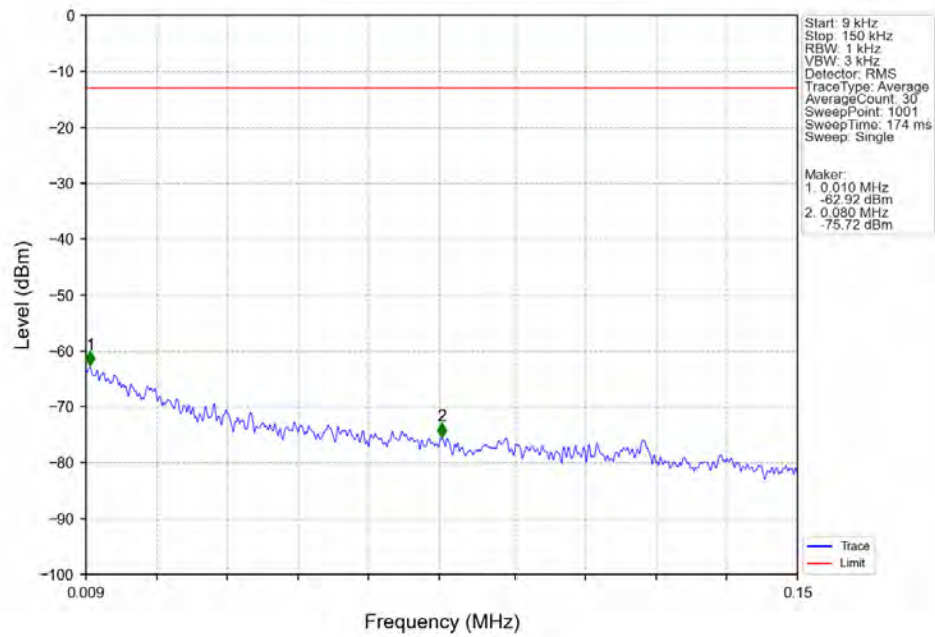


Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV

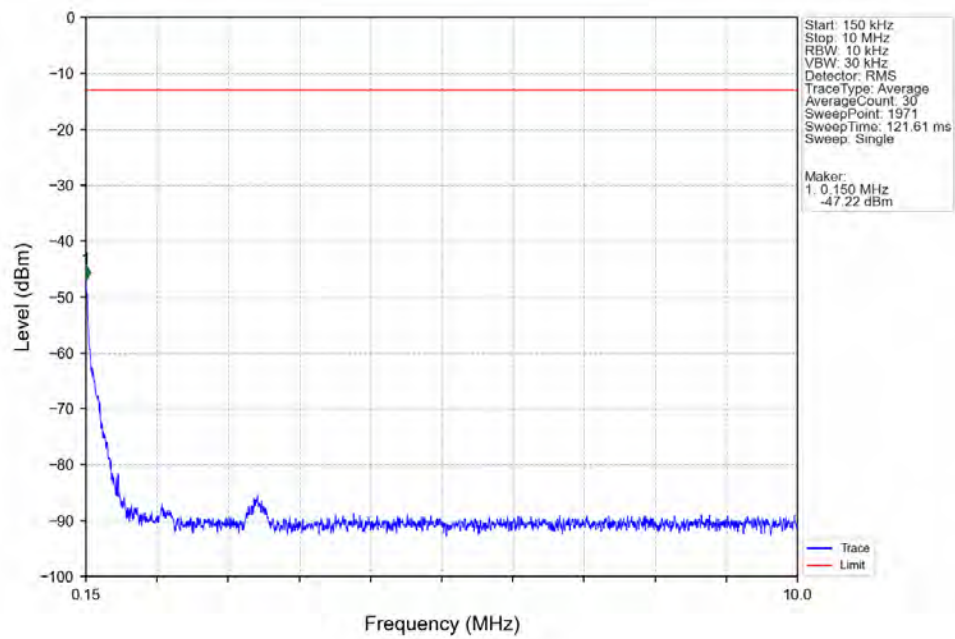


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-31.60	-13	Pass
698.9	699	0.03	/	2	698.994	-25.60	-13	Pass
699	702	0.03	/	/	/	/	/	/

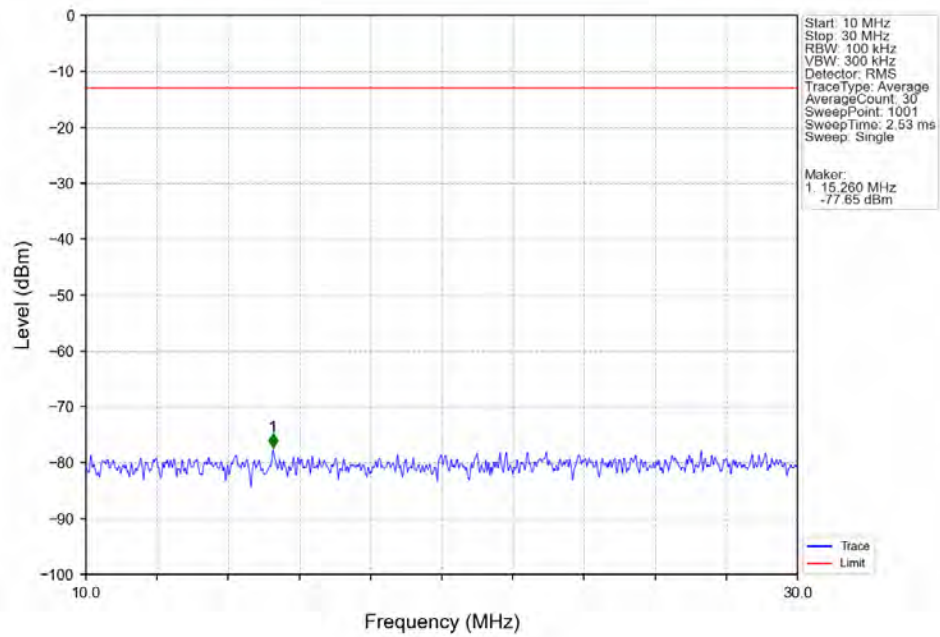
Band12 3MHz 64QAM MCH 707.5MHz RB 1 0 NTV



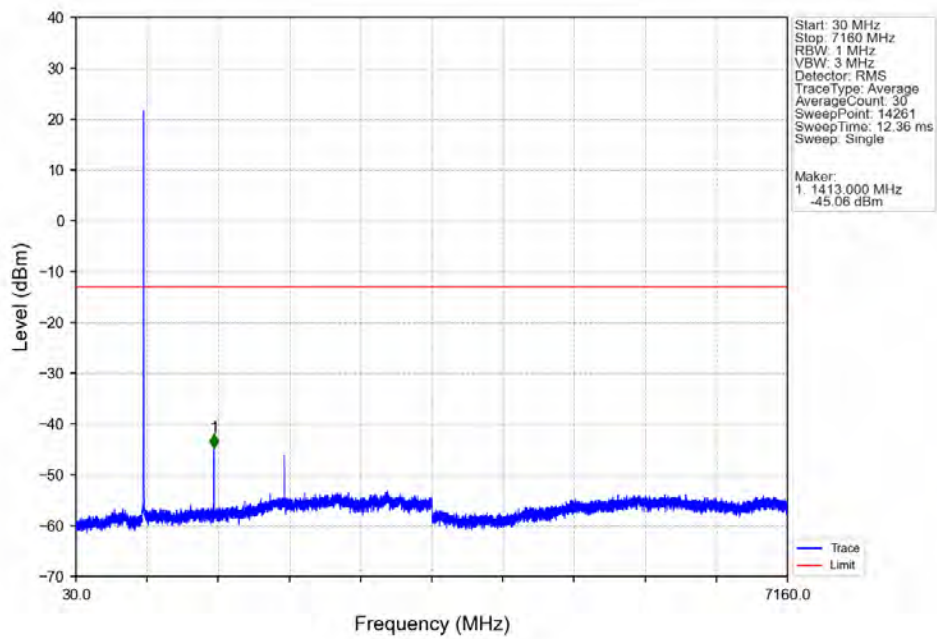
Band12_3MHz_64QAM_MCH_707.5MHz_RB_1_0_NTV



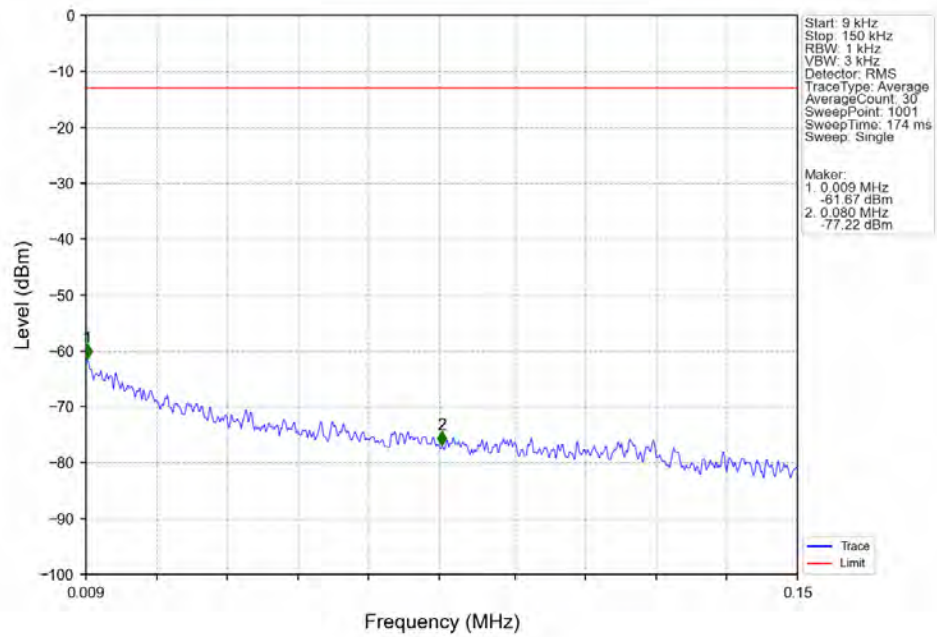
Band12 3MHz 64QAM MCH 707.5MHz RB 1 0 NTNV



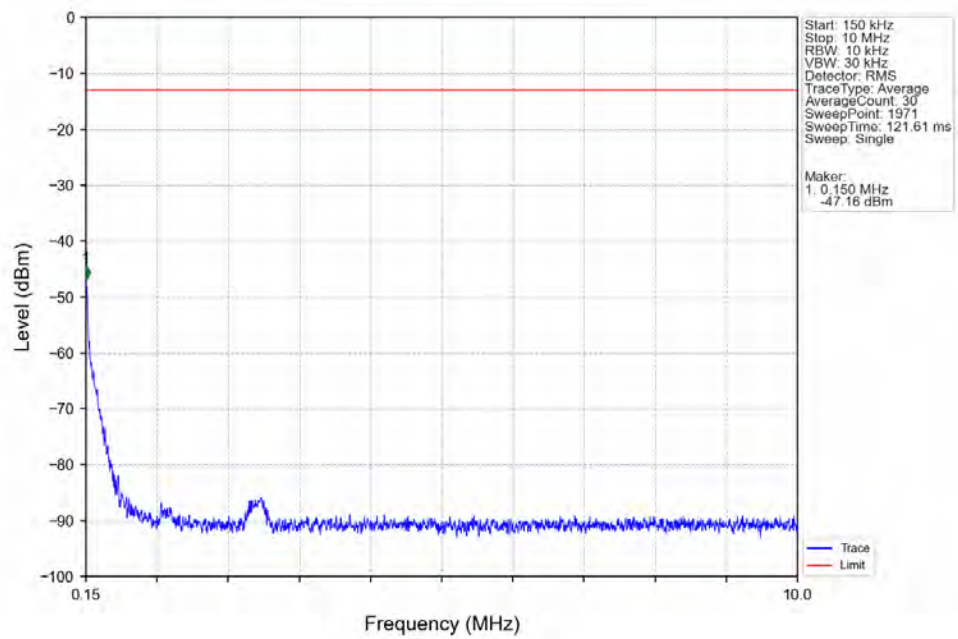
Band12_3MHz_64QAM_MCH_707.5MHz_RB_1_0_NTNV



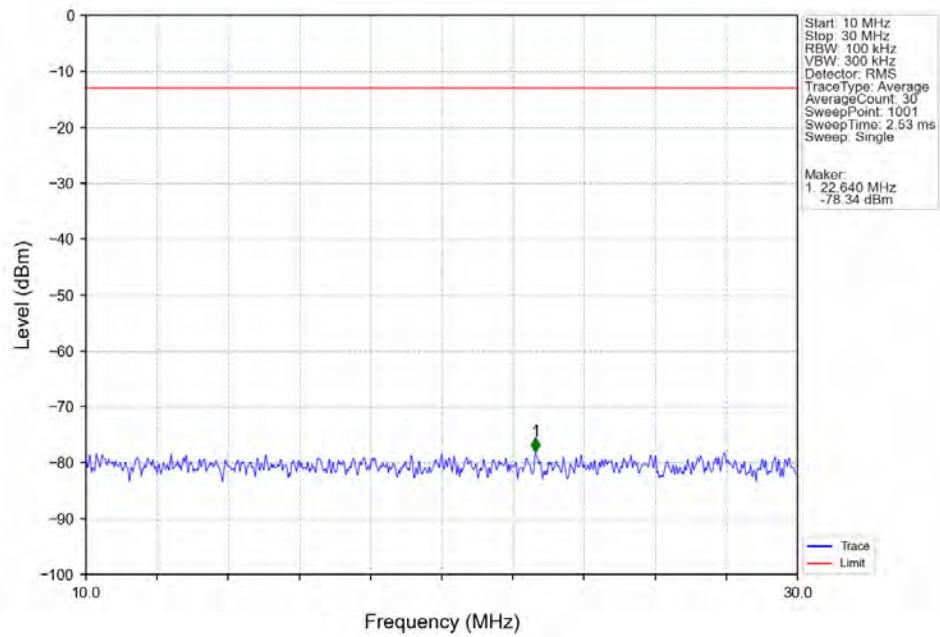
Band12 3MHz 64QAM HCH 714.5MHz RB 1 0 NTNV



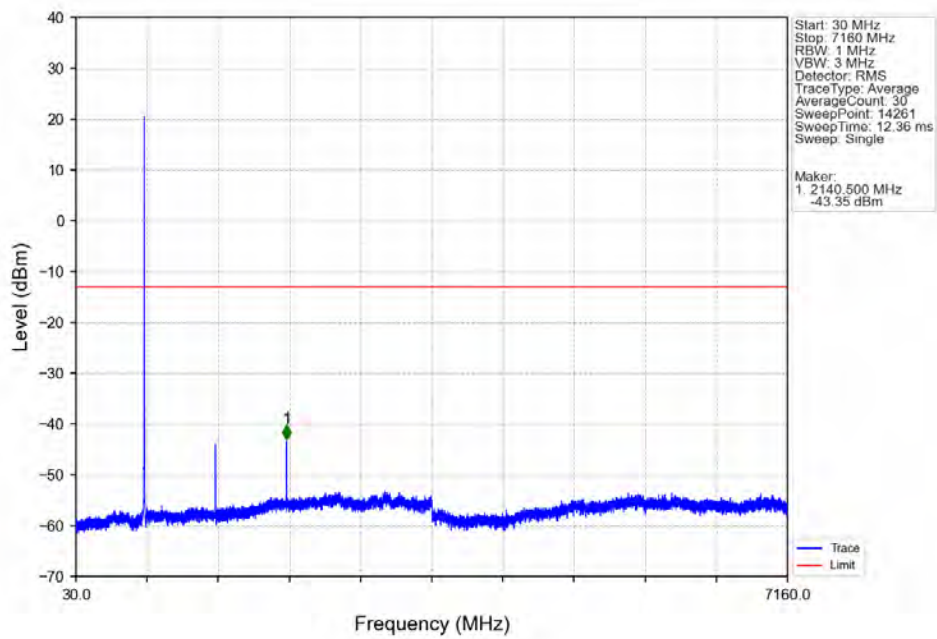
Band12_3MHz_64QAM_HCH_714.5MHz_RB_1_0_NTNV



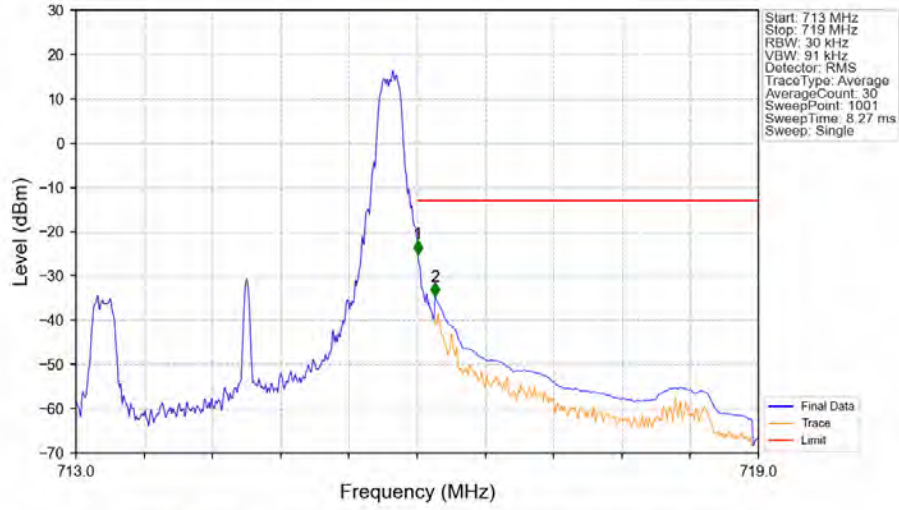
Band12 3MHz 64QAM HCH 714.5MHz RB 1 0 NTNV



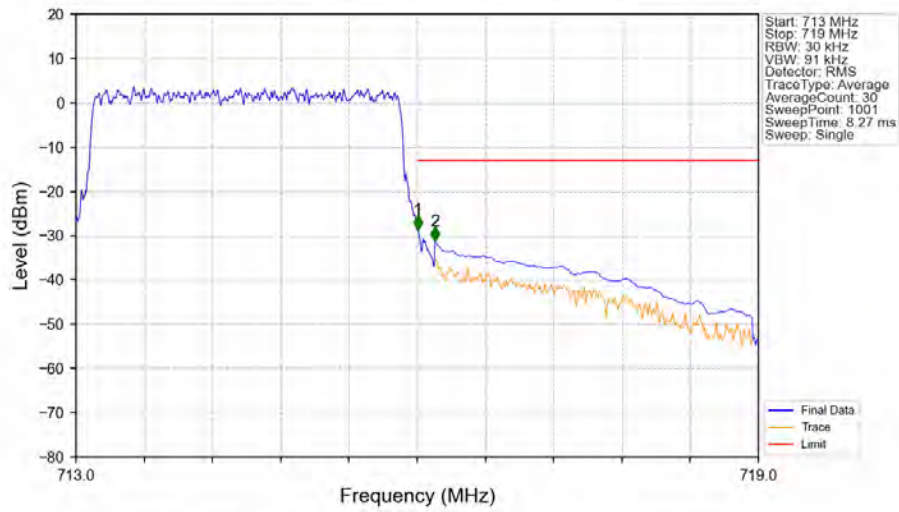
Band12_3MHz_64QAM_HCH_714.5MHz_RB_1_0_NTNV



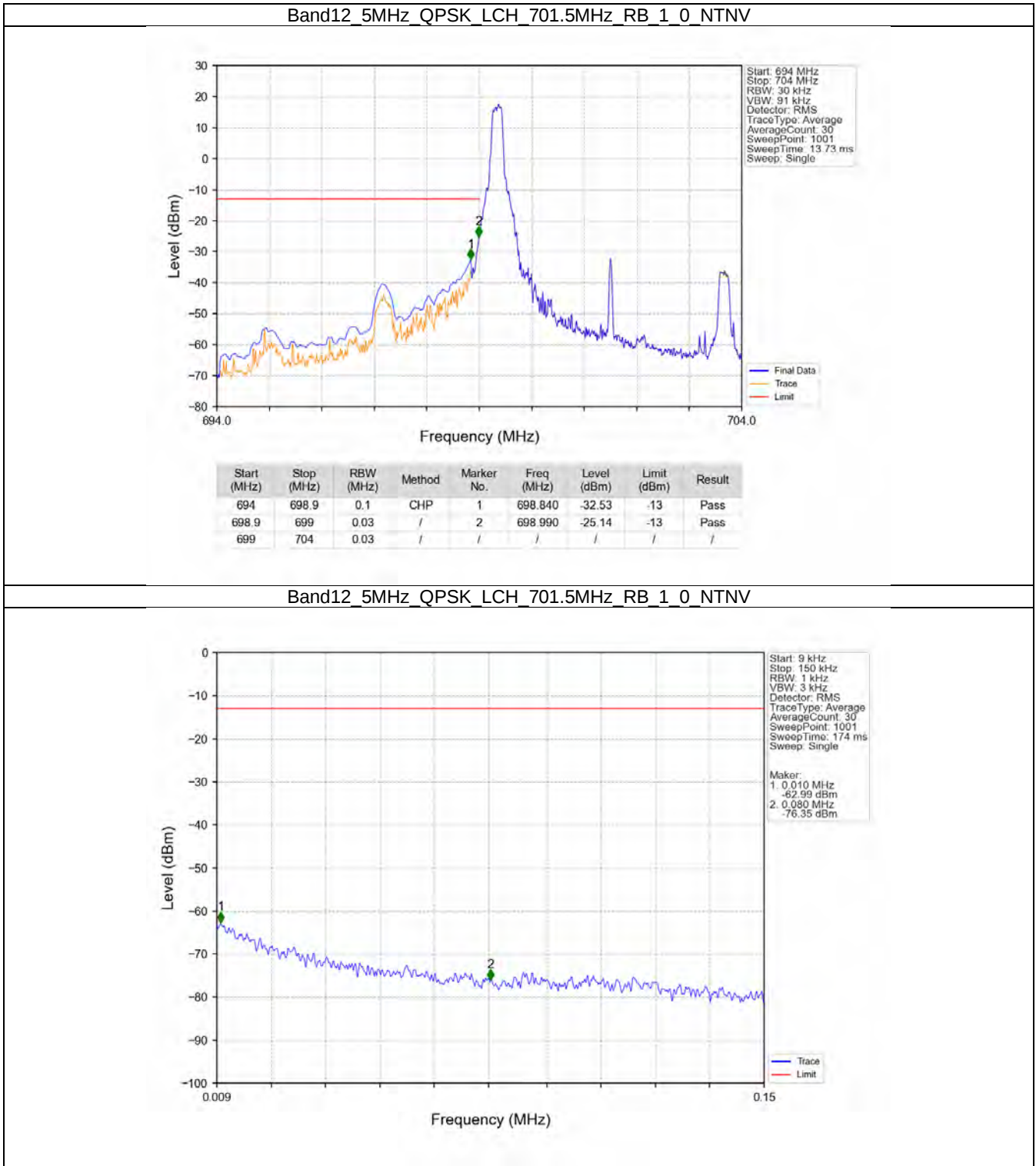
Band12 3MHz 64QAM HCH 714.5MHz RB 1 14 NTNV



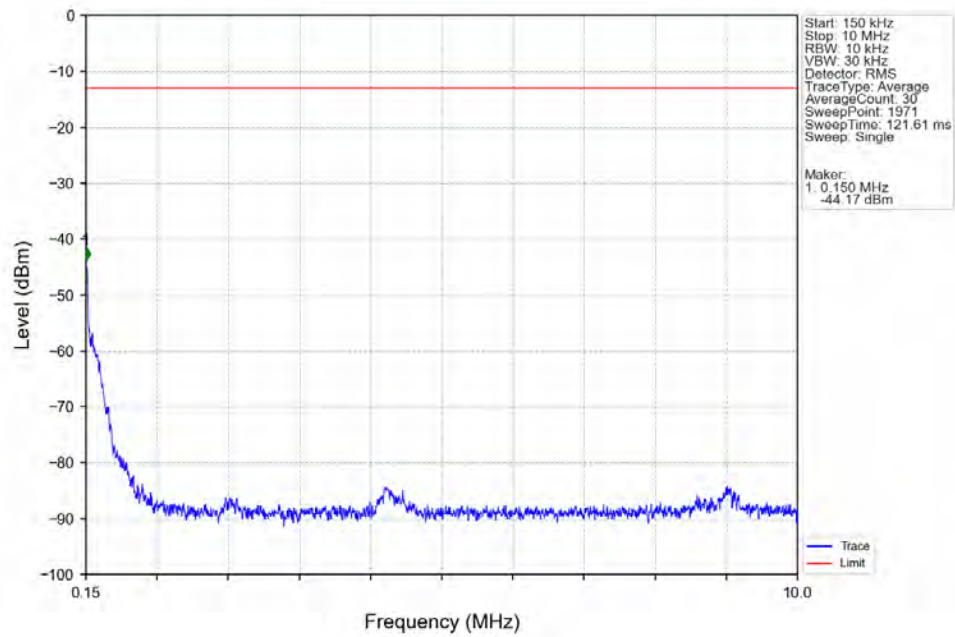
Band12 3MHz 64QAM HCH 714.5MHz RB 15 0 NTNV



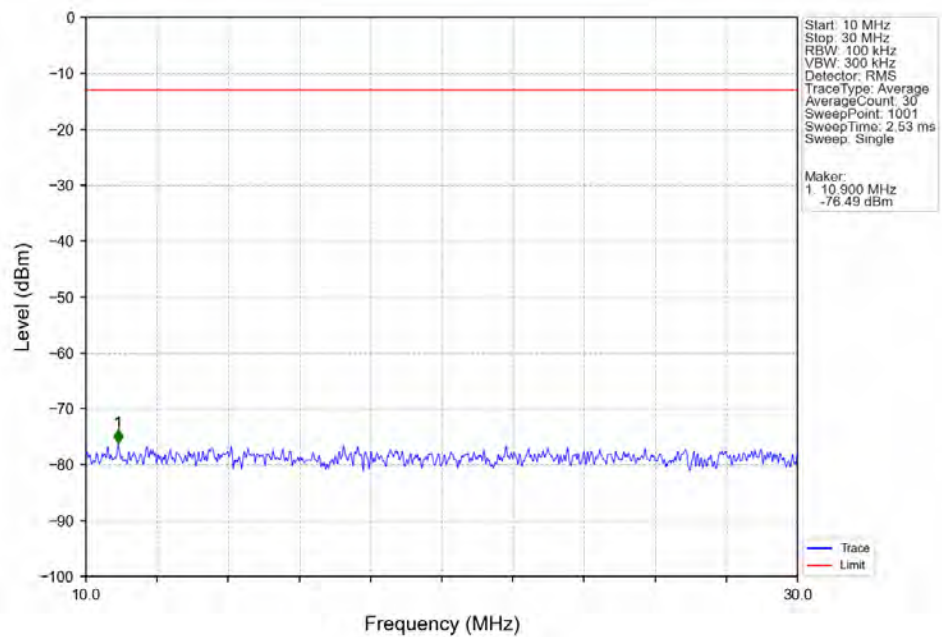
5.2.3 B12_5MHz



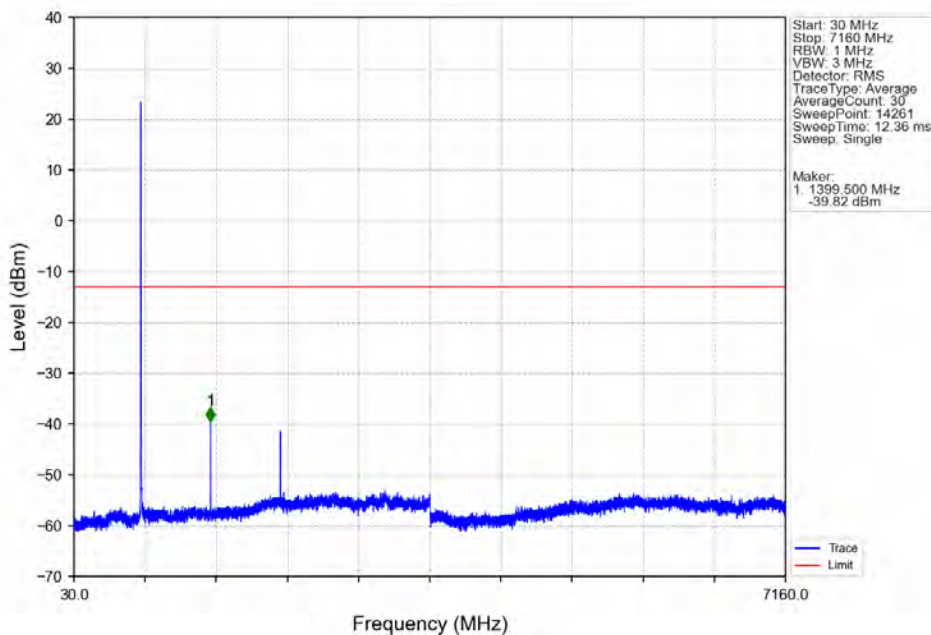
Band12 5MHz QPSK LCH 701.5MHz RB 1 0 NTNV



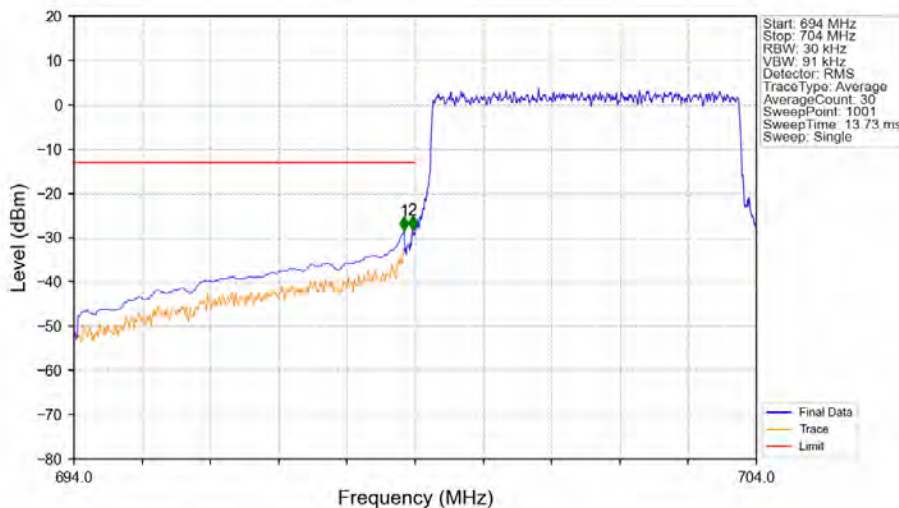
Band12 5MHz QPSK LCH 701.5MHz RB 1 0 NTNV



Band12 5MHz QPSK LCH 701.5MHz RB 1 0 NTN

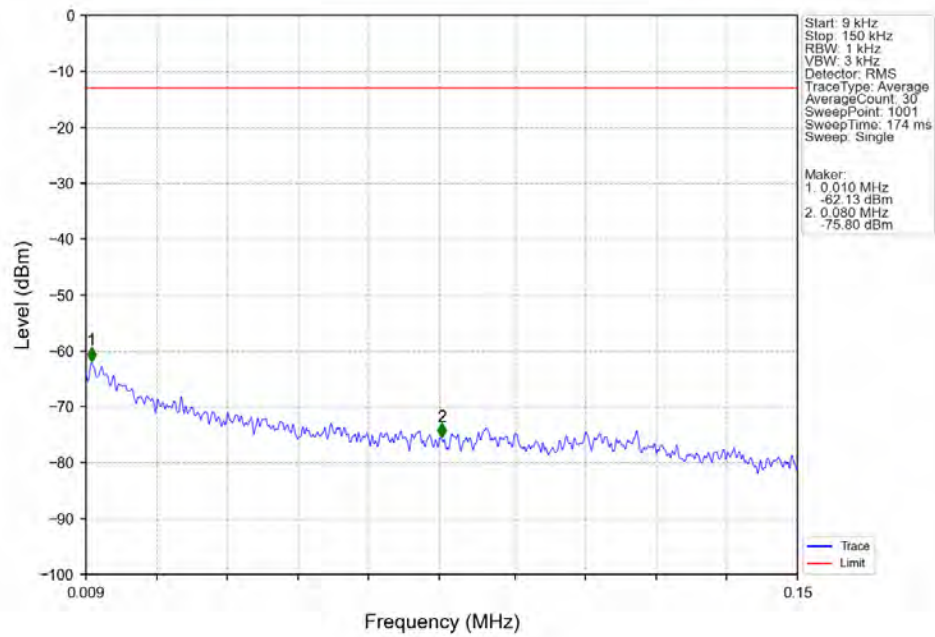


Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTN

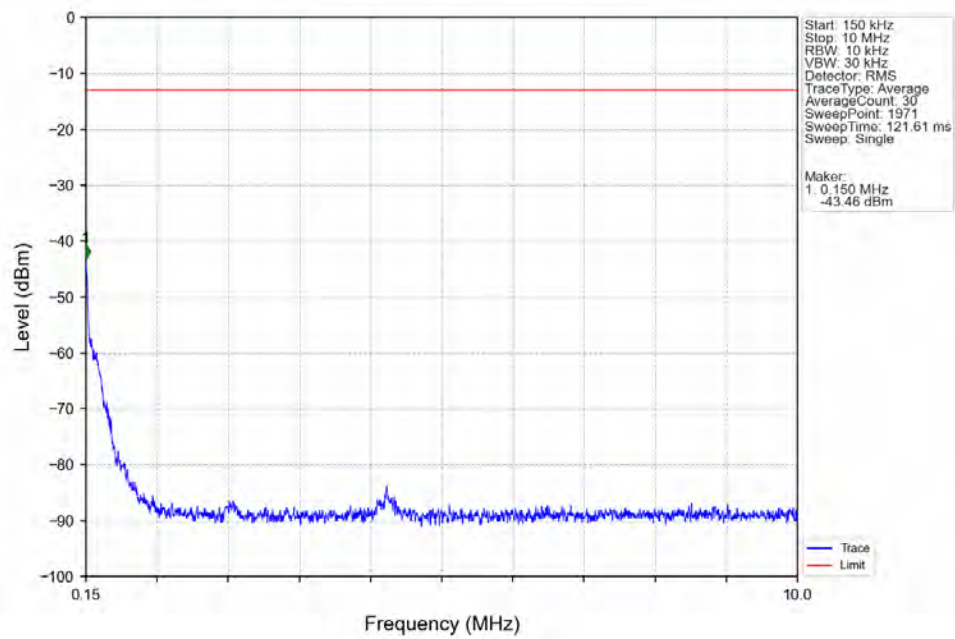


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-28.47	-13	Pass
698.9	699	0.03	/	2	698.960	-28.23	-13	Pass
699	704	0.03	/	/	/	/	/	/

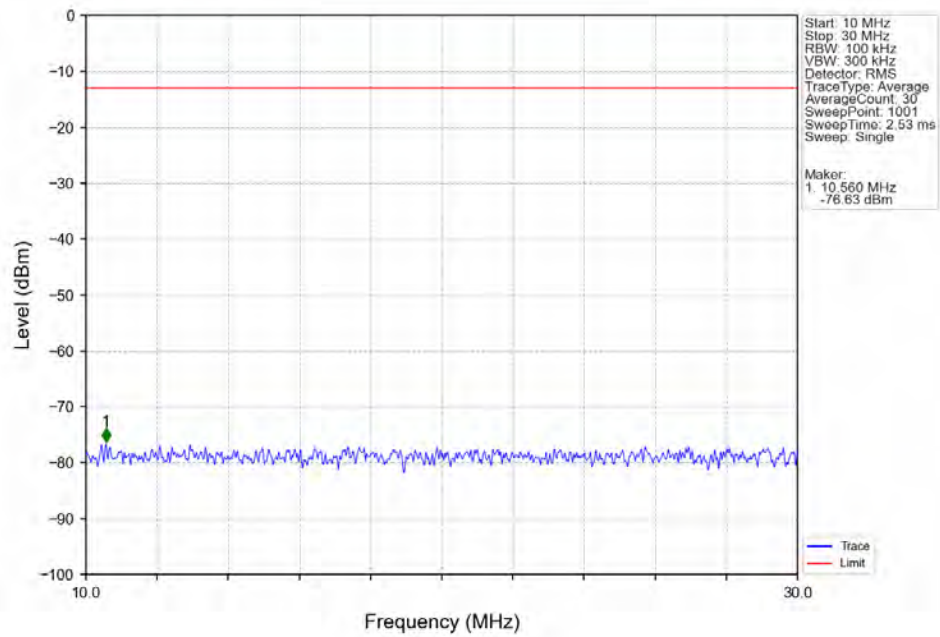
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTN



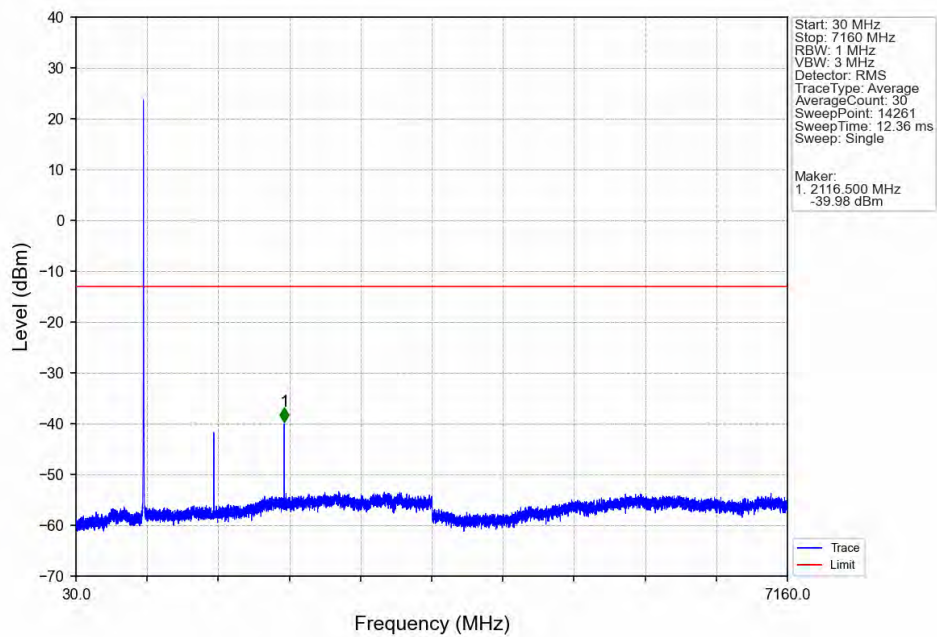
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTN



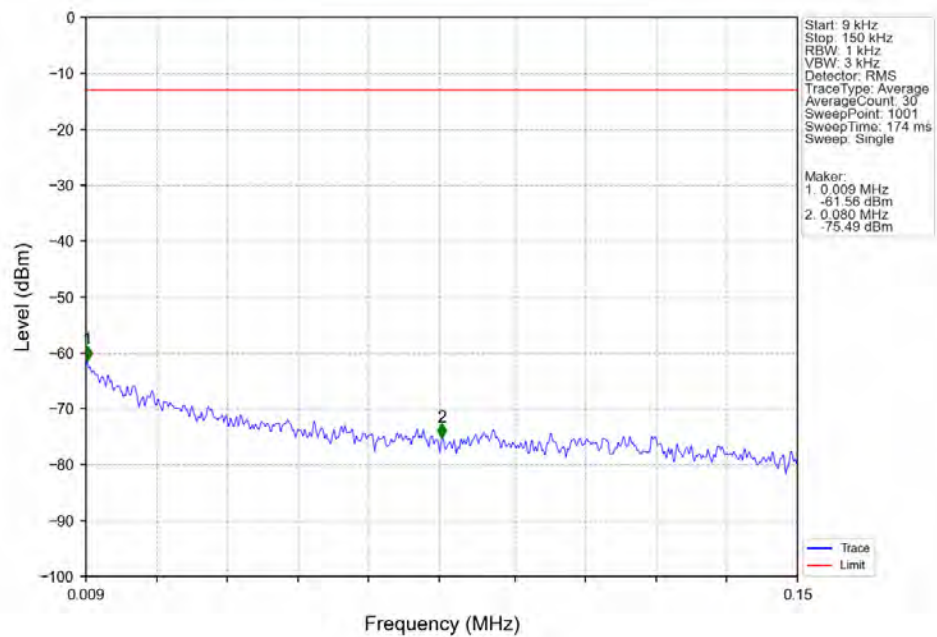
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTNV



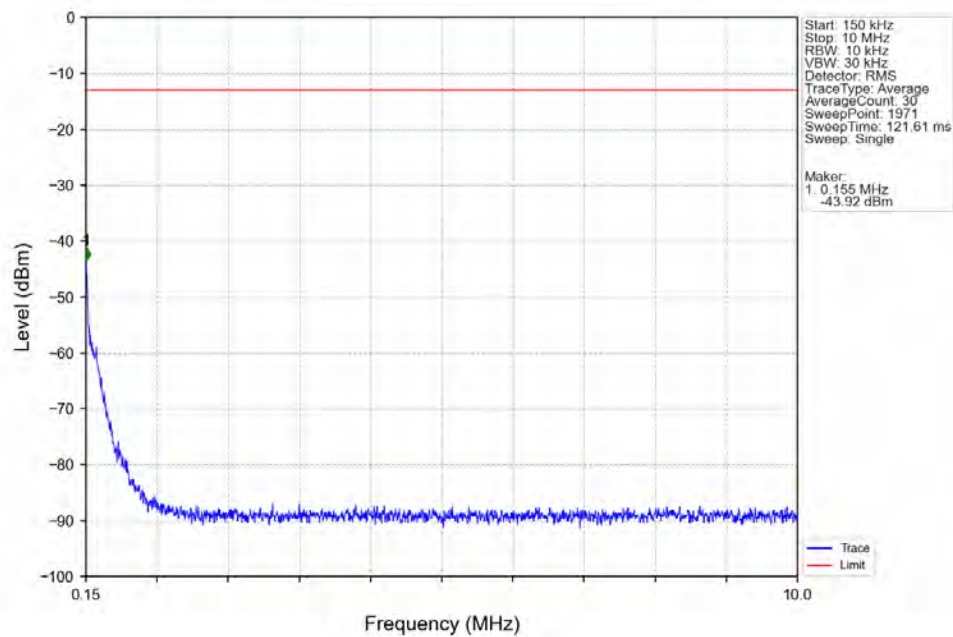
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTNV



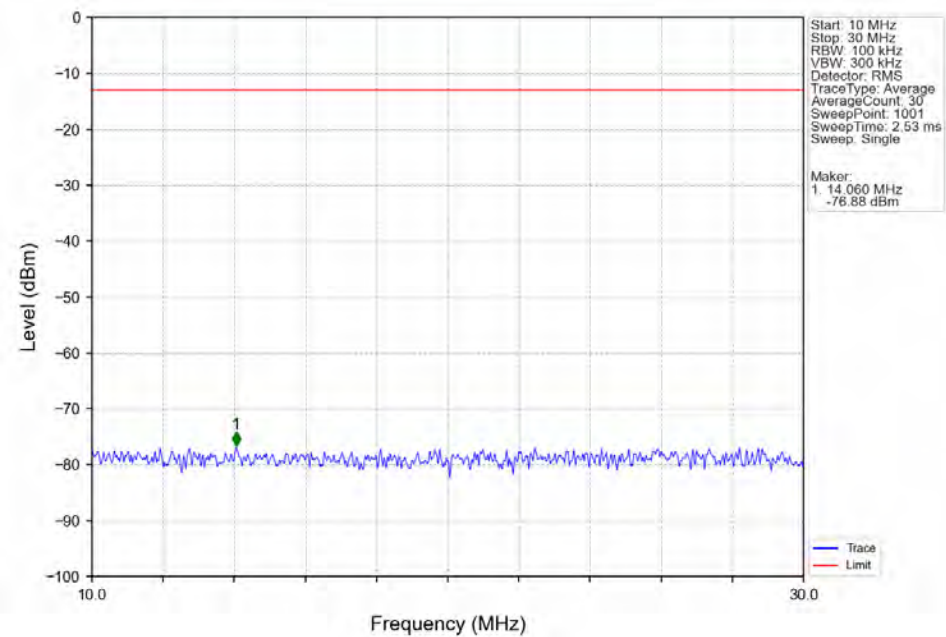
Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



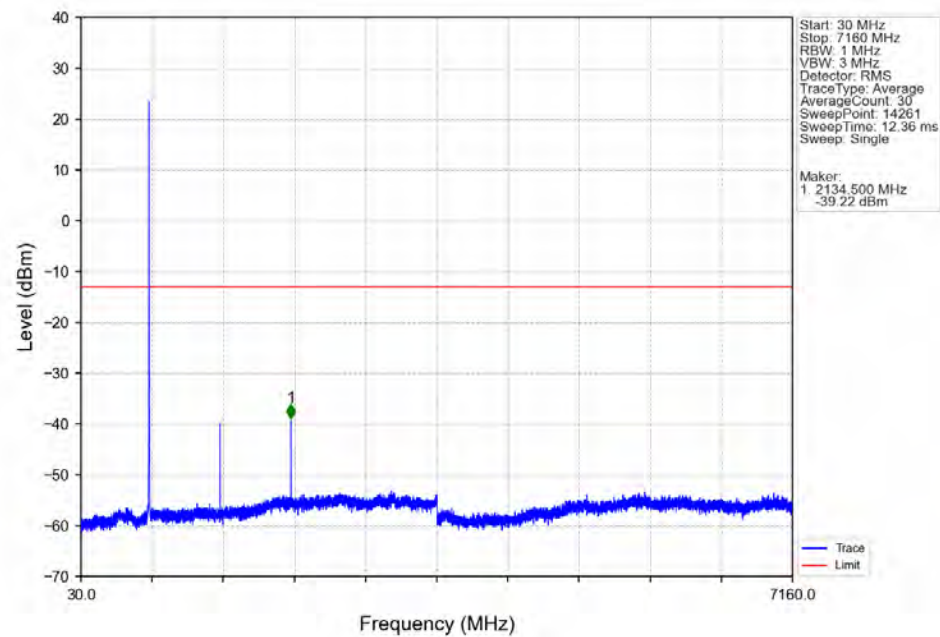
Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



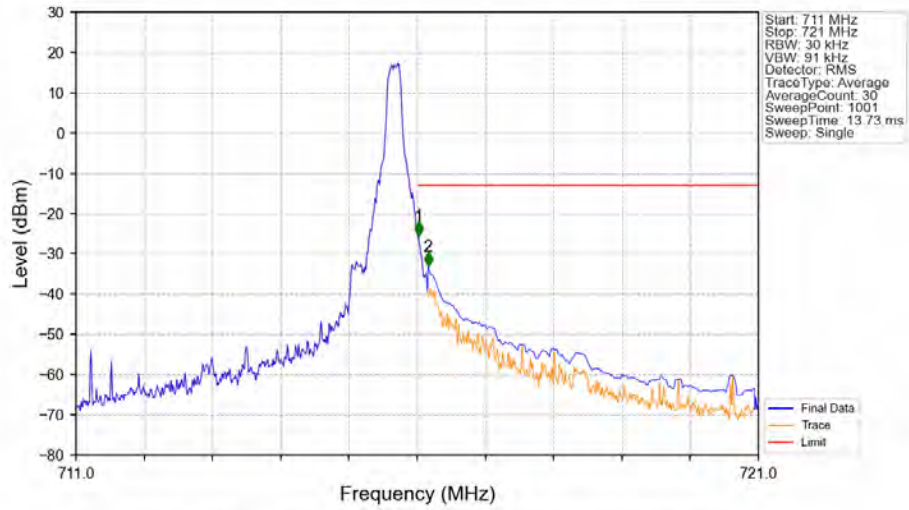
Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

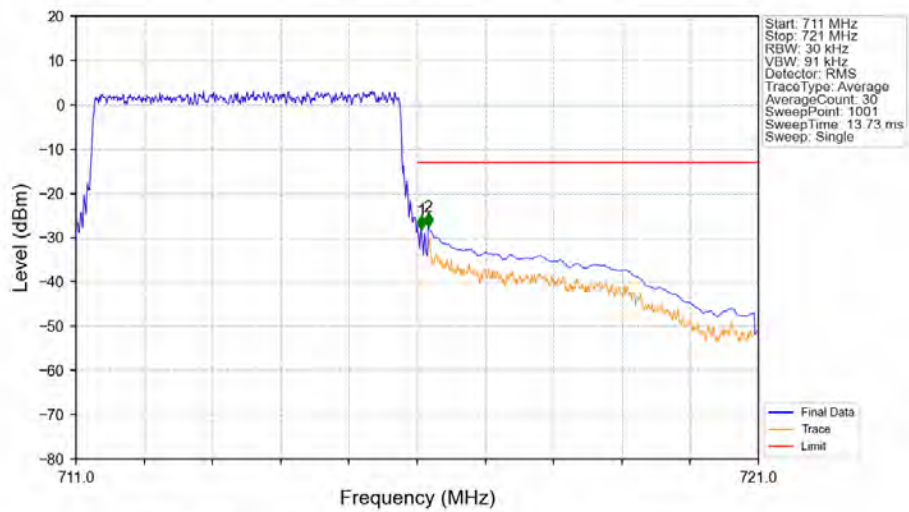


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-25.37	-13	Pass
716.1	721	0.1	CHP	2	716.160	-33.10	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.060	-28.21	-13	Pass
716.1	721	0.1	CHP	2	716.160	-27.43	-13	Pass