

1. Effective (Isotropic) Radiated Power Output Data
1.1 B12_1.4MHz_ERP
1.1.1 Test Result

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	23.45	-0.22	21.08	<=34.77	Pass		
			2	22.98	-0.22	20.61	<=34.77	Pass		
			5	23.13	-0.22	20.76	<=34.77	Pass		
		3	0	23.02	-0.22	20.65	<=34.77	Pass		
			2	23.13	-0.22	20.76	<=34.77	Pass		
			3	23.23	-0.22	20.86	<=34.77	Pass		
		6	0	22.19	-0.22	19.82	<=34.77	Pass		
		707.5	1	0	23.56	-0.22	21.19	<=34.77	Pass	
				2	23.60	-0.22	21.23	<=34.77	Pass	
	5			23.41	-0.22	21.04	<=34.77	Pass		
	3		0	23.39	-0.22	21.02	<=34.77	Pass		
			2	23.53	-0.22	21.16	<=34.77	Pass		
			3	23.42	-0.22	21.05	<=34.77	Pass		
	6		0	22.40	-0.22	20.03	<=34.77	Pass		
	715.3		1	0	23.35	-0.22	20.98	<=34.77	Pass	
				2	23.41	-0.22	21.04	<=34.77	Pass	
		5		23.36	-0.22	20.99	<=34.77	Pass		
		3	0	23.39	-0.22	21.02	<=34.77	Pass		
			2	23.50	-0.22	21.13	<=34.77	Pass		
			3	23.40	-0.22	21.03	<=34.77	Pass		
		6	0	22.39	-0.22	20.02	<=34.77	Pass		
		16QAM	699.7	1	0	22.83	-0.22	20.46	<=34.77	Pass
					2	22.92	-0.22	20.55	<=34.77	Pass
	5				22.81	-0.22	20.44	<=34.77	Pass	
3	0			22.41	-0.22	20.04	<=34.77	Pass		
	2			22.28	-0.22	19.91	<=34.77	Pass		
	3			22.07	-0.22	19.70	<=34.77	Pass		
6	0			21.35	-0.22	18.98	<=34.77	Pass		
707.5	1			0	22.27	-0.22	19.90	<=34.77	Pass	
				2	22.61	-0.22	20.24	<=34.77	Pass	
			5	22.53	-0.22	20.16	<=34.77	Pass		
	3		0	22.53	-0.22	20.16	<=34.77	Pass		
			2	22.62	-0.22	20.25	<=34.77	Pass		
			3	22.50	-0.22	20.13	<=34.77	Pass		
	6		0	21.19	-0.22	18.82	<=34.77	Pass		
	715.3		1	0	22.48	-0.22	20.11	<=34.77	Pass	
				2	22.62	-0.22	20.25	<=34.77	Pass	
5				22.53	-0.22	20.16	<=34.77	Pass		
3			0	22.38	-0.22	20.01	<=34.77	Pass		
			2	22.43	-0.22	20.06	<=34.77	Pass		
			3	22.26	-0.22	19.89	<=34.77	Pass		
6			0	21.40	-0.22	19.03	<=34.77	Pass		
64QAM			699.7	1	0	20.81	-0.22	18.44	<=34.77	Pass
					2	21.15	-0.22	18.78	<=34.77	Pass
	5				21.23	-0.22	18.86	<=34.77	Pass	
	3	0		21.29	-0.22	18.92	<=34.77	Pass		
		2		21.42	-0.22	19.05	<=34.77	Pass		

	707.5	6	3	21.44	-0.22	19.07	<=34.77	Pass	
			0	20.24	-0.22	17.87	<=34.77	Pass	
		1	0	21.29	-0.22	18.92	<=34.77	Pass	
				2	21.30	-0.22	18.93	<=34.77	Pass
				5	21.15	-0.22	18.78	<=34.77	Pass
		3	0	21.40	-0.22	19.03	<=34.77	Pass	
	2			21.62	-0.22	19.25	<=34.77	Pass	
	3			21.66	-0.22	19.29	<=34.77	Pass	
	6	0	20.43	-0.22	18.06	<=34.77	Pass		
	715.3	1	0	21.68	-0.22	19.31	<=34.77	Pass	
				2	21.82	-0.22	19.45	<=34.77	Pass
				5	21.64	-0.22	19.27	<=34.77	Pass
		3	0	21.67	-0.22	19.30	<=34.77	Pass	
				2	21.78	-0.22	19.41	<=34.77	Pass
				3	21.70	-0.22	19.33	<=34.77	Pass
		6	0	20.43	-0.22	18.06	<=34.77	Pass	

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B12_3MHz_ERP

1.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	700.5	1	0	23.10	-0.22	20.73	<=34.77	Pass		
			7	23.25	-0.22	20.88	<=34.77	Pass		
			14	22.98	-0.22	20.61	<=34.77	Pass		
		8	0	22.29	-0.22	19.92	<=34.77	Pass		
				4	22.25	-0.22	19.88	<=34.77	Pass	
				7	22.25	-0.22	19.88	<=34.77	Pass	
		15	0	22.28	-0.22	19.91	<=34.77	Pass		
		707.5	1	0	23.35	-0.22	20.98	<=34.77	Pass	
					7	23.62	-0.22	21.25	<=34.77	Pass
	14				23.29	-0.22	20.92	<=34.77	Pass	
	8		0	22.55	-0.22	20.18	<=34.77	Pass		
				4	22.50	-0.22	20.13	<=34.77	Pass	
				7	22.50	-0.22	20.13	<=34.77	Pass	
	15		0	22.46	-0.22	20.09	<=34.77	Pass		
	714.5		1	0	23.80	-0.22	21.43	<=34.77	Pass	
					7	23.77	-0.22	21.40	<=34.77	Pass
		14			23.73	-0.22	21.36	<=34.77	Pass	
		8	0	22.72	-0.22	20.35	<=34.77	Pass		
				4	22.69	-0.22	20.32	<=34.77	Pass	
				7	22.70	-0.22	20.33	<=34.77	Pass	
		15	0	22.57	-0.22	20.20	<=34.77	Pass		
		16QAM	700.5	1	0	22.74	-0.22	20.37	<=34.77	Pass
					7	22.74	-0.22	20.37	<=34.77	Pass
	14				22.45	-0.22	20.08	<=34.77	Pass	
8	0			21.46	-0.22	19.09	<=34.77	Pass		
				4	21.81	-0.22	19.44	<=34.77	Pass	
				7	21.46	-0.22	19.09	<=34.77	Pass	
15	0		21.36	-0.22	18.99	<=34.77	Pass			
707.5	1		0	22.97	-0.22	20.60	<=34.77	Pass		
			7	23.31	-0.22	20.94	<=34.77	Pass		

64QAM	714.5	8	14	23.03	-0.22	20.66	<=34.77	Pass	
			0	21.40	-0.22	19.03	<=34.77	Pass	
			4	21.58	-0.22	19.21	<=34.77	Pass	
			7	21.68	-0.22	19.31	<=34.77	Pass	
		15	0	21.44	-0.22	19.07	<=34.77	Pass	
			0	22.92	-0.22	20.55	<=34.77	Pass	
			7	23.28	-0.22	20.91	<=34.77	Pass	
			14	22.85	-0.22	20.48	<=34.77	Pass	
		8	0	21.72	-0.22	19.35	<=34.77	Pass	
			4	21.79	-0.22	19.42	<=34.77	Pass	
			7	21.77	-0.22	19.40	<=34.77	Pass	
			15	0	21.45	-0.22	19.08	<=34.77	Pass
	700.5	1	0	21.77	-0.22	19.40	<=34.77	Pass	
			7	22.07	-0.22	19.70	<=34.77	Pass	
			14	21.78	-0.22	19.41	<=34.77	Pass	
			0	20.65	-0.22	18.28	<=34.77	Pass	
		8	4	20.53	-0.22	18.16	<=34.77	Pass	
			7	20.29	-0.22	17.92	<=34.77	Pass	
			15	0	20.06	-0.22	17.69	<=34.77	Pass
			0	21.15	-0.22	18.78	<=34.77	Pass	
		1	7	21.39	-0.22	19.02	<=34.77	Pass	
			14	21.44	-0.22	19.07	<=34.77	Pass	
			0	20.43	-0.22	18.06	<=34.77	Pass	
			8	4	20.49	-0.22	18.12	<=34.77	Pass
7	20.46	-0.22		18.09	<=34.77	Pass			
15	0	20.71		-0.22	18.34	<=34.77	Pass		
0	21.32	-0.22		18.95	<=34.77	Pass			
1	7	21.45	-0.22	19.08	<=34.77	Pass			
	14	21.52	-0.22	19.15	<=34.77	Pass			
	0	20.49	-0.22	18.12	<=34.77	Pass			
	8	4	20.43	-0.22	18.06	<=34.77	Pass		
7		20.42	-0.22	18.05	<=34.77	Pass			
15		0	20.62	-0.22	18.25	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.3 B12_5MHz_ERP

1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	23.27	-0.22	20.90	<=34.77	Pass
			13	23.19	-0.22	20.82	<=34.77	Pass
			24	22.96	-0.22	20.59	<=34.77	Pass
		12	0	22.31	-0.22	19.94	<=34.77	Pass
			6	22.39	-0.22	20.02	<=34.77	Pass
			13	22.26	-0.22	19.89	<=34.77	Pass
	25	0	22.33	-0.22	19.96	<=34.77	Pass	
	707.5	1	0	23.59	-0.22	21.22	<=34.77	Pass
			13	23.28	-0.22	20.91	<=34.77	Pass
			24	22.97	-0.22	20.60	<=34.77	Pass
		12	0	22.53	-0.22	20.16	<=34.77	Pass
			6	22.63	-0.22	20.26	<=34.77	Pass
13			22.39	-0.22	20.02	<=34.77	Pass	

	713.5	25	0	22.45	-0.22	20.08	<=34.77	Pass			
			1	0	23.79	-0.22	21.42	<=34.77	Pass		
				13	23.79	-0.22	21.42	<=34.77	Pass		
		24		23.43	-0.22	21.06	<=34.77	Pass			
		12	0	22.65	-0.22	20.28	<=34.77	Pass			
			6	22.69	-0.22	20.32	<=34.77	Pass			
			13	22.51	-0.22	20.14	<=34.77	Pass			
		16QAM	701.5	25	0	22.61	-0.22	20.24	<=34.77	Pass	
					1	0	21.89	-0.22	19.52	<=34.77	Pass
						13	21.87	-0.22	19.50	<=34.77	Pass
				24		21.47	-0.22	19.10	<=34.77	Pass	
				12	0	21.17	-0.22	18.80	<=34.77	Pass	
6	21.14				-0.22	18.77	<=34.77	Pass			
13	21.07				-0.22	18.70	<=34.77	Pass			
16QAM	707.5			25	0	21.19	-0.22	18.82	<=34.77	Pass	
					1	0	22.83	-0.22	20.46	<=34.77	Pass
						13	23.22	-0.22	20.85	<=34.77	Pass
				24		22.78	-0.22	20.41	<=34.77	Pass	
				12	0	21.18	-0.22	18.81	<=34.77	Pass	
		6	21.41		-0.22	19.04	<=34.77	Pass			
		13	21.17		-0.22	18.80	<=34.77	Pass			
		16QAM	713.5	25	0	21.35	-0.22	18.98	<=34.77	Pass	
					1	0	22.21	-0.22	19.84	<=34.77	Pass
						13	22.36	-0.22	19.99	<=34.77	Pass
				24		21.77	-0.22	19.40	<=34.77	Pass	
				12	0	21.57	-0.22	19.20	<=34.77	Pass	
6	21.64				-0.22	19.27	<=34.77	Pass			
13	21.44				-0.22	19.07	<=34.77	Pass			
64QAM	701.5			25	0	21.56	-0.22	19.19	<=34.77	Pass	
					1	0	20.75	-0.22	18.38	<=34.77	Pass
						13	21.13	-0.22	18.76	<=34.77	Pass
				24		21.09	-0.22	18.72	<=34.77	Pass	
				12	0	20.24	-0.22	17.87	<=34.77	Pass	
		6	20.15		-0.22	17.78	<=34.77	Pass			
		13	20.02		-0.22	17.65	<=34.77	Pass			
		64QAM	707.5	25	0	20.17	-0.22	17.80	<=34.77	Pass	
					1	0	21.73	-0.22	19.36	<=34.77	Pass
						13	21.68	-0.22	19.31	<=34.77	Pass
				24		21.34	-0.22	18.97	<=34.77	Pass	
				12	0	20.44	-0.22	18.07	<=34.77	Pass	
6	20.57				-0.22	18.20	<=34.77	Pass			
13	20.60				-0.22	18.23	<=34.77	Pass			
64QAM	713.5			25	0	20.68	-0.22	18.31	<=34.77	Pass	
					1	0	21.71	-0.22	19.34	<=34.77	Pass
						13	21.77	-0.22	19.40	<=34.77	Pass
				24		21.35	-0.22	18.98	<=34.77	Pass	
				12	0	20.77	-0.22	18.40	<=34.77	Pass	
		6	20.83		-0.22	18.46	<=34.77	Pass			
		13	20.45		-0.22	18.08	<=34.77	Pass			
			713.5	25	0	20.63	-0.22	18.26	<=34.77	Pass	

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.4 B12_10MHz_ERP

1.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	704	1	0	23.40	-0.22	21.03	<=34.77	Pass		
			25	23.46	-0.22	21.09	<=34.77	Pass		
			49	23.41	-0.22	21.04	<=34.77	Pass		
		25	0	22.14	-0.22	19.77	<=34.77	Pass		
			13	22.41	-0.22	20.04	<=34.77	Pass		
			25	22.50	-0.22	20.13	<=34.77	Pass		
		50	0	22.48	-0.22	20.11	<=34.77	Pass		
		707.5	1	0	23.11	-0.22	20.74	<=34.77	Pass	
				25	23.67	-0.22	21.30	<=34.77	Pass	
	49			23.06	-0.22	20.69	<=34.77	Pass		
	25		0	22.36	-0.22	19.99	<=34.77	Pass		
			13	22.43	-0.22	20.06	<=34.77	Pass		
			25	22.37	-0.22	20.00	<=34.77	Pass		
	50		0	22.36	-0.22	19.99	<=34.77	Pass		
	711		1	0	23.59	-0.22	21.22	<=34.77	Pass	
				25	23.91	-0.22	21.54	<=34.77	Pass	
		49		23.17	-0.22	20.80	<=34.77	Pass		
		25	0	22.50	-0.22	20.13	<=34.77	Pass		
			13	22.51	-0.22	20.14	<=34.77	Pass		
			25	22.47	-0.22	20.10	<=34.77	Pass		
		50	0	22.52	-0.22	20.15	<=34.77	Pass		
		16QAM	704	1	0	22.73	-0.22	20.36	<=34.77	Pass
					25	22.81	-0.22	20.44	<=34.77	Pass
	49				22.71	-0.22	20.34	<=34.77	Pass	
25	0			21.22	-0.22	18.85	<=34.77	Pass		
	13			21.37	-0.22	19.00	<=34.77	Pass		
	25			21.49	-0.22	19.12	<=34.77	Pass		
50	0			21.30	-0.22	18.93	<=34.77	Pass		
707.5	1			0	22.49	-0.22	20.12	<=34.77	Pass	
				25	23.06	-0.22	20.69	<=34.77	Pass	
			49	22.72	-0.22	20.35	<=34.77	Pass		
	25		0	21.29	-0.22	18.92	<=34.77	Pass		
			13	21.54	-0.22	19.17	<=34.77	Pass		
			25	21.38	-0.22	19.01	<=34.77	Pass		
	50		0	21.37	-0.22	19.00	<=34.77	Pass		
	711		1	0	22.44	-0.22	20.07	<=34.77	Pass	
				25	22.53	-0.22	20.16	<=34.77	Pass	
49				22.08	-0.22	19.71	<=34.77	Pass		
25			0	21.51	-0.22	19.14	<=34.77	Pass		
			13	21.59	-0.22	19.22	<=34.77	Pass		
			25	21.48	-0.22	19.11	<=34.77	Pass		
50			0	21.39	-0.22	19.02	<=34.77	Pass		
64QAM			704	1	0	21.80	-0.22	19.43	<=34.77	Pass
					25	22.01	-0.22	19.64	<=34.77	Pass
	49				21.90	-0.22	19.53	<=34.77	Pass	
	25	0		20.42	-0.22	18.05	<=34.77	Pass		
		13		20.55	-0.22	18.18	<=34.77	Pass		
		25		20.41	-0.22	18.04	<=34.77	Pass		
	50	0		20.33	-0.22	17.96	<=34.77	Pass		
	707.5	1		0	21.22	-0.22	18.85	<=34.77	Pass	
				25	21.40	-0.22	19.03	<=34.77	Pass	
			49	20.94	-0.22	18.57	<=34.77	Pass		
		25	0	20.38	-0.22	18.01	<=34.77	Pass		
			13	20.62	-0.22	18.25	<=34.77	Pass		
			25	20.65	-0.22	18.28	<=34.77	Pass		

	711	50	0	20.41	-0.22	18.04	<=34.77	Pass		
		1	0	21.30	-0.22	18.93	<=34.77	Pass		
			25	21.76	-0.22	19.39	<=34.77	Pass		
			49	21.03	-0.22	18.66	<=34.77	Pass		
			0	20.51	-0.22	18.14	<=34.77	Pass		
		25	13	20.62	-0.22	18.25	<=34.77	Pass		
			25	20.49	-0.22	18.12	<=34.77	Pass		
			50	0	20.61	-0.22	18.24	<=34.77	Pass	
		Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B12_1.4MHz

2.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	102	5.827	0.0083	-2.5 to 2.5	Pass
					120	4.047	0.0058	-2.5 to 2.5	Pass
					138	3.411	0.0049	-2.5 to 2.5	Pass
				-30	120	2.333	0.0033	-2.5 to 2.5	Pass
					-20	120	0.954	0.0014	-2.5 to 2.5
				-10	120	-0.407	-0.0006	-2.5 to 2.5	Pass
					0	120	-1.022	-0.0015	-2.5 to 2.5
				10	120	-0.333	-0.0005	-2.5 to 2.5	Pass
				30	120	-0.949	-0.0014	-2.5 to 2.5	Pass
				40	120	-0.619	-0.0009	-2.5 to 2.5	Pass
	50	120	-0.668	-0.0010	-2.5 to 2.5	Pass			
	707.5	6	0	20	102	-8.624	-0.0122	-2.5 to 2.5	Pass
					120	-7.855	-0.0111	-2.5 to 2.5	Pass
					138	-6.662	-0.0094	-2.5 to 2.5	Pass
				-30	120	-5.915	-0.0084	-2.5 to 2.5	Pass
					-20	120	-4.566	-0.0065	-2.5 to 2.5
				-10	120	-3.977	-0.0056	-2.5 to 2.5	Pass
					0	120	-3.600	-0.0051	-2.5 to 2.5
				10	120	-2.410	-0.0034	-2.5 to 2.5	Pass
				30	120	-1.963	-0.0028	-2.5 to 2.5	Pass
				40	120	-1.357	-0.0019	-2.5 to 2.5	Pass
	50	120	-1.465	-0.0021	-2.5 to 2.5	Pass			
	715.3	6	0	20	102	-0.185	-0.0003	-2.5 to 2.5	Pass
					120	0.273	0.0004	-2.5 to 2.5	Pass
					138	-1.222	-0.0017	-2.5 to 2.5	Pass
				-30	120	-0.498	-0.0007	-2.5 to 2.5	Pass
					-20	120	-0.754	-0.0011	-2.5 to 2.5
				-10	120	-1.167	-0.0016	-2.5 to 2.5	Pass
					0	120	-1.415	-0.0020	-2.5 to 2.5
				10	120	-0.675	-0.0009	-2.5 to 2.5	Pass
30				120	-1.030	-0.0014	-2.5 to 2.5	Pass	
40				120	-1.317	-0.0018	-2.5 to 2.5	Pass	
50	120	-1.373	-0.0019	-2.5 to 2.5	Pass				
16QAM	699.7	6	0	20	102	-0.436	-0.0006	-2.5 to 2.5	Pass
					120	-0.595	-0.0009	-2.5 to 2.5	Pass
					138	-0.790	-0.0011	-2.5 to 2.5	Pass

				-30	120	-0.581	-0.0008	-2.5 to 2.5	Pass					
				-20	120	-1.555	-0.0022	-2.5 to 2.5	Pass					
				-10	120	-1.166	-0.0017	-2.5 to 2.5	Pass					
				0	120	-1.731	-0.0025	-2.5 to 2.5	Pass					
				10	120	-0.707	-0.0010	-2.5 to 2.5	Pass					
				30	120	-1.596	-0.0023	-2.5 to 2.5	Pass					
				40	120	-1.094	-0.0016	-2.5 to 2.5	Pass					
				50	120	-1.621	-0.0023	-2.5 to 2.5	Pass					
	707.5	6	0	20	102	-1.283	-0.0018	-0.0018	-2.5 to 2.5	Pass				
					120	-1.446	-0.0020	-0.0020	-2.5 to 2.5	Pass				
					138	-0.876	-0.0012	-0.0012	-2.5 to 2.5	Pass				
				-30	120	-0.732	-0.0010	-0.0010	-2.5 to 2.5	Pass				
				-20	120	-0.470	-0.0007	-0.0007	-2.5 to 2.5	Pass				
				-10	120	-0.410	-0.0006	-0.0006	-2.5 to 2.5	Pass				
				0	120	-0.297	-0.0004	-0.0004	-2.5 to 2.5	Pass				
				10	120	-0.083	-0.0001	-0.0001	-2.5 to 2.5	Pass				
				30	120	-0.359	-0.0005	-0.0005	-2.5 to 2.5	Pass				
				40	120	0.159	0.0002	0.0002	-2.5 to 2.5	Pass				
				50	120	-0.310	-0.0004	-0.0004	-2.5 to 2.5	Pass				
				715.3	6	0	20	102	-1.646	-0.0023	-0.0023	-2.5 to 2.5	Pass	
								120	-0.681	-0.0010	-0.0010	-2.5 to 2.5	Pass	
								138	-0.856	-0.0012	-0.0012	-2.5 to 2.5	Pass	
	-30	120	-0.645				-0.0009	-0.0009	-2.5 to 2.5	Pass				
	-20	120	-1.257				-0.0018	-0.0018	-2.5 to 2.5	Pass				
	-10	120	-1.136				-0.0016	-0.0016	-2.5 to 2.5	Pass				
	0	120	-0.589				-0.0008	-0.0008	-2.5 to 2.5	Pass				
	10	120	-1.272				-0.0018	-0.0018	-2.5 to 2.5	Pass				
	30	120	-1.723				-0.0024	-0.0024	-2.5 to 2.5	Pass				
	40	120	-0.698				-0.0010	-0.0010	-2.5 to 2.5	Pass				
	50	120	-0.458				-0.0006	-0.0006	-2.5 to 2.5	Pass				
	64QAM	699.7	6				0	20	102	-1.108	-0.0016	-0.0016	-2.5 to 2.5	Pass
									120	-0.831	-0.0012	-0.0012	-2.5 to 2.5	Pass
									138	-0.947	-0.0014	-0.0014	-2.5 to 2.5	Pass
-30				120	-0.306	-0.0004		-0.0004	-2.5 to 2.5	Pass				
-20				120	-0.240	-0.0003		-0.0003	-2.5 to 2.5	Pass				
-10				120	0.007	0.0000		0.0000	-2.5 to 2.5	Pass				
0				120	0.716	0.0010		0.0010	-2.5 to 2.5	Pass				
10				120	-0.347	-0.0005		-0.0005	-2.5 to 2.5	Pass				
30				120	-1.415	-0.0020		-0.0020	-2.5 to 2.5	Pass				
40				120	-1.177	-0.0017		-0.0017	-2.5 to 2.5	Pass				
50				120	-0.806	-0.0012		-0.0012	-2.5 to 2.5	Pass				
707.5				6	0	20		102	0.120	0.0002	0.0002	-2.5 to 2.5	Pass	
								120	-0.594	-0.0008	-0.0008	-2.5 to 2.5	Pass	
								138	-1.338	-0.0019	-0.0019	-2.5 to 2.5	Pass	
		-30	120			-1.326	-0.0019	-0.0019	-2.5 to 2.5	Pass				
		-20	120			-1.690	-0.0024	-0.0024	-2.5 to 2.5	Pass				
		-10	120			-0.786	-0.0011	-0.0011	-2.5 to 2.5	Pass				
		0	120			-1.645	-0.0023	-0.0023	-2.5 to 2.5	Pass				
		10	120			-1.299	-0.0018	-0.0018	-2.5 to 2.5	Pass				
		30	120			-1.102	-0.0016	-0.0016	-2.5 to 2.5	Pass				
		40	120			-1.062	-0.0015	-0.0015	-2.5 to 2.5	Pass				
		50	120			-1.209	-0.0017	-0.0017	-2.5 to 2.5	Pass				
		715.3	6			0	20	102	-0.670	-0.0009	-0.0009	-2.5 to 2.5	Pass	
								120	-1.139	-0.0016	-0.0016	-2.5 to 2.5	Pass	
								138	-0.774	-0.0011	-0.0011	-2.5 to 2.5	Pass	
-30				120	-0.156		-0.0002	-0.0002	-2.5 to 2.5	Pass				
-20				120	-0.238		-0.0003	-0.0003	-2.5 to 2.5	Pass				
-10		120	-0.296	-0.0004	-0.0004	-2.5 to 2.5	Pass							

				0	120	-0.639	-0.0009	-2.5 to 2.5	Pass
				10	120	-1.040	-0.0015	-2.5 to 2.5	Pass
				30	120	-0.603	-0.0008	-2.5 to 2.5	Pass
				40	120	-0.056	-0.0001	-2.5 to 2.5	Pass
				50	120	-0.346	-0.0005	-2.5 to 2.5	Pass

2.2 B12_3MHz

2.2.1 Test Result

Band: 12 / Bandwidth: 3MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	700.5	15	0	20	102	0.413	0.0006	-2.5 to 2.5	Pass	
					120	0.302	0.0004	-2.5 to 2.5	Pass	
					138	0.502	0.0007	-2.5 to 2.5	Pass	
				-30	120	2.047	0.0029	-2.5 to 2.5	Pass	
					-20	120	0.866	0.0012	-2.5 to 2.5	Pass
						120	1.082	0.0015	-2.5 to 2.5	Pass
				0	120	1.388	0.0020	-2.5 to 2.5	Pass	
					120	1.429	0.0020	-2.5 to 2.5	Pass	
				30	120	0.398	0.0006	-2.5 to 2.5	Pass	
	40	120	1.774	0.0025	-2.5 to 2.5	Pass				
	50	120	0.866	0.0012	-2.5 to 2.5	Pass				
	707.5	15	0	20	102	1.900	0.0027	-2.5 to 2.5	Pass	
					120	1.629	0.0023	-2.5 to 2.5	Pass	
					138	2.904	0.0041	-2.5 to 2.5	Pass	
				-30	120	2.842	0.0040	-2.5 to 2.5	Pass	
					-20	120	1.938	0.0027	-2.5 to 2.5	Pass
						120	1.481	0.0021	-2.5 to 2.5	Pass
				0	120	2.064	0.0029	-2.5 to 2.5	Pass	
					120	1.348	0.0019	-2.5 to 2.5	Pass	
				30	120	1.414	0.0020	-2.5 to 2.5	Pass	
	40	120	1.654	0.0023	-2.5 to 2.5	Pass				
	50	120	1.985	0.0028	-2.5 to 2.5	Pass				
	714.5	15	0	20	102	2.374	0.0033	-2.5 to 2.5	Pass	
					120	2.074	0.0029	-2.5 to 2.5	Pass	
					138	2.221	0.0031	-2.5 to 2.5	Pass	
				-30	120	1.300	0.0018	-2.5 to 2.5	Pass	
					-20	120	1.488	0.0021	-2.5 to 2.5	Pass
120						1.802	0.0025	-2.5 to 2.5	Pass	
0				120	0.928	0.0013	-2.5 to 2.5	Pass		
				120	2.029	0.0028	-2.5 to 2.5	Pass		
30				120	1.235	0.0017	-2.5 to 2.5	Pass		
40	120	1.981	0.0028	-2.5 to 2.5	Pass					
50	120	1.639	0.0023	-2.5 to 2.5	Pass					
16QAM	700.5	15	0	20	102	1.973	0.0028	-2.5 to 2.5	Pass	
					120	1.543	0.0022	-2.5 to 2.5	Pass	
					138	0.952	0.0014	-2.5 to 2.5	Pass	
				-30	120	1.100	0.0016	-2.5 to 2.5	Pass	
					-20	120	1.955	0.0028	-2.5 to 2.5	Pass
						120	1.525	0.0022	-2.5 to 2.5	Pass
				0	120	1.555	0.0022	-2.5 to 2.5	Pass	
120	1.007	0.0014	-2.5 to 2.5		Pass					
30	120	1.715	0.0024	-2.5 to 2.5	Pass					

	707.5	15	0	40	120	0.534	0.0008	-2.5 to 2.5	Pass	
				50	120	1.738	0.0025	-2.5 to 2.5	Pass	
				20	102	1.393	0.0020	-2.5 to 2.5	Pass	
					120	1.830	0.0026	-2.5 to 2.5	Pass	
					138	1.223	0.0017	-2.5 to 2.5	Pass	
				-30	120	1.244	0.0018	-2.5 to 2.5	Pass	
				-20	120	0.551	0.0008	-2.5 to 2.5	Pass	
				-10	120	1.338	0.0019	-2.5 to 2.5	Pass	
				0	120	1.655	0.0023	-2.5 to 2.5	Pass	
				10	120	1.580	0.0022	-2.5 to 2.5	Pass	
				30	120	1.205	0.0017	-2.5 to 2.5	Pass	
				40	120	1.793	0.0025	-2.5 to 2.5	Pass	
	50	120	1.227	0.0017	-2.5 to 2.5	Pass				
	714.5	15	0	20	102	2.022	0.0028	-2.5 to 2.5	Pass	
					120	1.418	0.0020	-2.5 to 2.5	Pass	
					138	0.786	0.0011	-2.5 to 2.5	Pass	
				-30	120	1.971	0.0028	-2.5 to 2.5	Pass	
				-20	120	1.390	0.0019	-2.5 to 2.5	Pass	
				-10	120	1.881	0.0026	-2.5 to 2.5	Pass	
				0	120	1.932	0.0027	-2.5 to 2.5	Pass	
				10	120	0.817	0.0011	-2.5 to 2.5	Pass	
				30	120	1.958	0.0027	-2.5 to 2.5	Pass	
				40	120	1.577	0.0022	-2.5 to 2.5	Pass	
				50	120	1.753	0.0025	-2.5 to 2.5	Pass	
				64QAM	700.5	15	0	20	102	1.007
	120	1.171	0.0017						-2.5 to 2.5	Pass
	138	1.562	0.0022						-2.5 to 2.5	Pass
	-30	120	1.660					0.0024	-2.5 to 2.5	Pass
-20	120	1.410	0.0020					-2.5 to 2.5	Pass	
-10	120	1.921	0.0027					-2.5 to 2.5	Pass	
0	120	1.855	0.0026					-2.5 to 2.5	Pass	
10	120	1.650	0.0024					-2.5 to 2.5	Pass	
30	120	2.349	0.0034					-2.5 to 2.5	Pass	
40	120	2.259	0.0032					-2.5 to 2.5	Pass	
50	120	1.566	0.0022					-2.5 to 2.5	Pass	
707.5	15	0	20					102	1.592	0.0023
					120	1.718	0.0024	-2.5 to 2.5	Pass	
					138	0.911	0.0013	-2.5 to 2.5	Pass	
			-30		120	1.966	0.0028	-2.5 to 2.5	Pass	
			-20		120	1.648	0.0023	-2.5 to 2.5	Pass	
			-10		120	0.846	0.0012	-2.5 to 2.5	Pass	
			0		120	2.093	0.0030	-2.5 to 2.5	Pass	
			10		120	2.864	0.0040	-2.5 to 2.5	Pass	
			30		120	2.278	0.0032	-2.5 to 2.5	Pass	
			40		120	2.546	0.0036	-2.5 to 2.5	Pass	
			50		120	1.997	0.0028	-2.5 to 2.5	Pass	
			714.5		15	0	20	102	2.233	0.0031
120	1.734	0.0024						-2.5 to 2.5	Pass	
138	2.093	0.0029						-2.5 to 2.5	Pass	
-30	120	2.514					0.0035	-2.5 to 2.5	Pass	
-20	120	1.855					0.0026	-2.5 to 2.5	Pass	
-10	120	2.028					0.0028	-2.5 to 2.5	Pass	
0	120	2.056		0.0029			-2.5 to 2.5	Pass		
10	120	2.634		0.0037			-2.5 to 2.5	Pass		
30	120	3.040		0.0043			-2.5 to 2.5	Pass		
40	120	2.655		0.0037			-2.5 to 2.5	Pass		
50	120	3.378		0.0047			-2.5 to 2.5	Pass		

2.3 B12_5MHz

2.3.1 Test Result

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	102	0.245	0.0003	-2.5 to 2.5	Pass
					120	-0.019	0.0000	-2.5 to 2.5	Pass
					138	1.121	0.0016	-2.5 to 2.5	Pass
				-30	120	1.483	0.0021	-2.5 to 2.5	Pass
				-20	120	1.556	0.0022	-2.5 to 2.5	Pass
				-10	120	1.147	0.0016	-2.5 to 2.5	Pass
				0	120	1.325	0.0019	-2.5 to 2.5	Pass
				10	120	2.128	0.0030	-2.5 to 2.5	Pass
				30	120	2.416	0.0034	-2.5 to 2.5	Pass
				40	120	2.063	0.0029	-2.5 to 2.5	Pass
	50	120	2.181	0.0031	-2.5 to 2.5	Pass			
	707.5	25	0	20	102	1.132	0.0016	-2.5 to 2.5	Pass
					120	0.337	0.0005	-2.5 to 2.5	Pass
					138	0.575	0.0008	-2.5 to 2.5	Pass
				-30	120	0.533	0.0008	-2.5 to 2.5	Pass
				-20	120	0.943	0.0013	-2.5 to 2.5	Pass
				-10	120	-0.064	-0.0001	-2.5 to 2.5	Pass
				0	120	0.129	0.0002	-2.5 to 2.5	Pass
				10	120	1.290	0.0018	-2.5 to 2.5	Pass
				30	120	0.580	0.0008	-2.5 to 2.5	Pass
				40	120	0.709	0.0010	-2.5 to 2.5	Pass
	50	120	1.276	0.0018	-2.5 to 2.5	Pass			
	713.5	25	0	20	102	0.154	0.0002	-2.5 to 2.5	Pass
					120	0.338	0.0005	-2.5 to 2.5	Pass
					138	1.127	0.0016	-2.5 to 2.5	Pass
				-30	120	1.165	0.0016	-2.5 to 2.5	Pass
				-20	120	0.460	0.0006	-2.5 to 2.5	Pass
				-10	120	1.174	0.0016	-2.5 to 2.5	Pass
				0	120	0.432	0.0006	-2.5 to 2.5	Pass
				10	120	0.447	0.0006	-2.5 to 2.5	Pass
30				120	0.925	0.0013	-2.5 to 2.5	Pass	
40				120	0.410	0.0006	-2.5 to 2.5	Pass	
50	120	1.361	0.0019	-2.5 to 2.5	Pass				
16QAM	701.5	25	0	20	102	2.316	0.0033	-2.5 to 2.5	Pass
					120	2.295	0.0033	-2.5 to 2.5	Pass
					138	2.457	0.0035	-2.5 to 2.5	Pass
				-30	120	1.805	0.0026	-2.5 to 2.5	Pass
				-20	120	2.873	0.0041	-2.5 to 2.5	Pass
				-10	120	2.718	0.0039	-2.5 to 2.5	Pass
				0	120	3.009	0.0043	-2.5 to 2.5	Pass
				10	120	2.512	0.0036	-2.5 to 2.5	Pass
				30	120	2.710	0.0039	-2.5 to 2.5	Pass
				40	120	2.636	0.0038	-2.5 to 2.5	Pass
	50	120	2.641	0.0038	-2.5 to 2.5	Pass			
	707.5	25	0	20	102	1.539	0.0022	-2.5 to 2.5	Pass
					120	1.252	0.0018	-2.5 to 2.5	Pass
138					1.169	0.0017	-2.5 to 2.5	Pass	

				-30	120	0.812	0.0011	-2.5 to 2.5	Pass					
				-20	120	1.238	0.0017	-2.5 to 2.5	Pass					
				-10	120	1.330	0.0019	-2.5 to 2.5	Pass					
				0	120	0.803	0.0011	-2.5 to 2.5	Pass					
				10	120	1.021	0.0014	-2.5 to 2.5	Pass					
				30	120	1.530	0.0022	-2.5 to 2.5	Pass					
				40	120	1.702	0.0024	-2.5 to 2.5	Pass					
				50	120	1.314	0.0019	-2.5 to 2.5	Pass					
	713.5	25	0	20	102	1.055	0.0015	0.0015	-2.5 to 2.5	Pass				
					120	1.680	0.0024	0.0024	-2.5 to 2.5	Pass				
					138	0.232	0.0003	0.0003	-2.5 to 2.5	Pass				
				-30	120	1.651	0.0023	0.0023	-2.5 to 2.5	Pass				
				-20	120	1.057	0.0015	0.0015	-2.5 to 2.5	Pass				
				-10	120	1.526	0.0021	0.0021	-2.5 to 2.5	Pass				
				0	120	1.456	0.0020	0.0020	-2.5 to 2.5	Pass				
				10	120	1.458	0.0020	0.0020	-2.5 to 2.5	Pass				
				30	120	0.692	0.0010	0.0010	-2.5 to 2.5	Pass				
				40	120	1.454	0.0020	0.0020	-2.5 to 2.5	Pass				
				50	120	2.440	0.0034	0.0034	-2.5 to 2.5	Pass				
				64QAM	701.5	25	0	20	102	4.284	0.0061	0.0061	-2.5 to 2.5	Pass
									120	2.518	0.0036	0.0036	-2.5 to 2.5	Pass
138	2.399	0.0034	0.0034						-2.5 to 2.5	Pass				
-30	120	2.626	0.0037					0.0037	-2.5 to 2.5	Pass				
-20	120	2.830	0.0040					0.0040	-2.5 to 2.5	Pass				
-10	120	2.083	0.0030					0.0030	-2.5 to 2.5	Pass				
0	120	1.834	0.0026					0.0026	-2.5 to 2.5	Pass				
10	120	1.745	0.0025					0.0025	-2.5 to 2.5	Pass				
30	120	2.078	0.0030					0.0030	-2.5 to 2.5	Pass				
40	120	1.318	0.0019					0.0019	-2.5 to 2.5	Pass				
50	120	0.731	0.0010		0.0010	-2.5 to 2.5	Pass							
707.5	25	0	20		102	1.492	0.0021	0.0021	-2.5 to 2.5	Pass				
					120	1.168	0.0017	0.0017	-2.5 to 2.5	Pass				
					138	1.209	0.0017	0.0017	-2.5 to 2.5	Pass				
			-30		120	1.124	0.0016	0.0016	-2.5 to 2.5	Pass				
			-20		120	1.536	0.0022	0.0022	-2.5 to 2.5	Pass				
			-10		120	0.752	0.0011	0.0011	-2.5 to 2.5	Pass				
			0		120	1.360	0.0019	0.0019	-2.5 to 2.5	Pass				
			10		120	0.837	0.0012	0.0012	-2.5 to 2.5	Pass				
			30		120	1.512	0.0021	0.0021	-2.5 to 2.5	Pass				
			40		120	1.539	0.0022	0.0022	-2.5 to 2.5	Pass				
			50	120	1.773	0.0025	0.0025	-2.5 to 2.5	Pass					
713.5	25	0	20	102	1.825	0.0026	0.0026	-2.5 to 2.5	Pass					
				120	1.325	0.0019	0.0019	-2.5 to 2.5	Pass					
				138	1.495	0.0021	0.0021	-2.5 to 2.5	Pass					
			-30	120	-0.258	-0.0004	-0.0004	-2.5 to 2.5	Pass					
			-20	120	0.887	0.0012	0.0012	-2.5 to 2.5	Pass					
			-10	120	0.923	0.0013	0.0013	-2.5 to 2.5	Pass					
			0	120	2.205	0.0031	0.0031	-2.5 to 2.5	Pass					
			10	120	0.848	0.0012	0.0012	-2.5 to 2.5	Pass					
			30	120	2.225	0.0031	0.0031	-2.5 to 2.5	Pass					
			40	120	1.894	0.0027	0.0027	-2.5 to 2.5	Pass					
50	120	2.624	0.0037	0.0037	-2.5 to 2.5	Pass								

2.4 B12_10MHz

2.4.1 Test Result

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	102	0.540	0.0008	-2.5 to 2.5	Pass
					120	0.934	0.0013	-2.5 to 2.5	Pass
					138	1.299	0.0018	-2.5 to 2.5	Pass
				-30	120	1.449	0.0021	-2.5 to 2.5	Pass
				-20	120	1.060	0.0015	-2.5 to 2.5	Pass
				-10	120	1.003	0.0014	-2.5 to 2.5	Pass
				0	120	1.276	0.0018	-2.5 to 2.5	Pass
				10	120	1.316	0.0019	-2.5 to 2.5	Pass
				30	120	0.597	0.0008	-2.5 to 2.5	Pass
				40	120	1.031	0.0015	-2.5 to 2.5	Pass
	50	120	0.607	0.0009	-2.5 to 2.5	Pass			
	707.5	50	0	20	102	0.478	0.0007	-2.5 to 2.5	Pass
					120	1.284	0.0018	-2.5 to 2.5	Pass
					138	0.452	0.0006	-2.5 to 2.5	Pass
				-30	120	0.367	0.0005	-2.5 to 2.5	Pass
				-20	120	0.661	0.0009	-2.5 to 2.5	Pass
				-10	120	0.066	0.0001	-2.5 to 2.5	Pass
				0	120	0.175	0.0002	-2.5 to 2.5	Pass
				10	120	1.345	0.0019	-2.5 to 2.5	Pass
				30	120	0.616	0.0009	-2.5 to 2.5	Pass
				40	120	0.988	0.0014	-2.5 to 2.5	Pass
	50	120	-0.347	-0.0005	-2.5 to 2.5	Pass			
	711	50	0	20	102	-0.701	-0.0010	-2.5 to 2.5	Pass
					120	-0.575	-0.0008	-2.5 to 2.5	Pass
					138	-0.653	-0.0009	-2.5 to 2.5	Pass
				-30	120	0.382	0.0005	-2.5 to 2.5	Pass
				-20	120	0.217	0.0003	-2.5 to 2.5	Pass
				-10	120	-1.338	-0.0019	-2.5 to 2.5	Pass
				0	120	-0.785	-0.0011	-2.5 to 2.5	Pass
				10	120	-0.350	-0.0005	-2.5 to 2.5	Pass
30				120	-0.241	-0.0003	-2.5 to 2.5	Pass	
40				120	-0.474	-0.0007	-2.5 to 2.5	Pass	
50	120	-0.479	-0.0007	-2.5 to 2.5	Pass				
16QAM	704	50	0	20	102	0.828	0.0012	-2.5 to 2.5	Pass
					120	1.121	0.0016	-2.5 to 2.5	Pass
					138	0.831	0.0012	-2.5 to 2.5	Pass
				-30	120	-0.030	0.0000	-2.5 to 2.5	Pass
				-20	120	0.115	0.0002	-2.5 to 2.5	Pass
				-10	120	0.538	0.0008	-2.5 to 2.5	Pass
				0	120	-0.557	-0.0008	-2.5 to 2.5	Pass
				10	120	-0.100	-0.0001	-2.5 to 2.5	Pass
				30	120	-0.622	-0.0009	-2.5 to 2.5	Pass
				40	120	-0.676	-0.0010	-2.5 to 2.5	Pass
	50	120	0.110	0.0002	-2.5 to 2.5	Pass			
	707.5	50	0	20	102	-0.102	-0.0001	-2.5 to 2.5	Pass
					120	0.500	0.0007	-2.5 to 2.5	Pass
					138	-0.167	-0.0002	-2.5 to 2.5	Pass
				-30	120	0.482	0.0007	-2.5 to 2.5	Pass
				-20	120	-0.402	-0.0006	-2.5 to 2.5	Pass
				-10	120	0.540	0.0008	-2.5 to 2.5	Pass
				0	120	-0.514	-0.0007	-2.5 to 2.5	Pass
				10	120	-0.240	-0.0003	-2.5 to 2.5	Pass
				30	120	0.277	0.0004	-2.5 to 2.5	Pass
40				120	-0.888	-0.0013	-2.5 to 2.5	Pass	
50	120	-0.603	-0.0009	-2.5 to 2.5	Pass				

	711	50	0	20	102	-0.244	-0.0003	-2.5 to 2.5	Pass							
					120	-1.592	-0.0022	-2.5 to 2.5	Pass							
					138	-1.141	-0.0016	-2.5 to 2.5	Pass							
									-30	120	-0.070	-0.0001	-2.5 to 2.5	Pass		
									-20	120	0.491	0.0007	-2.5 to 2.5	Pass		
									-10	120	-0.742	-0.0010	-2.5 to 2.5	Pass		
									0	120	-1.012	-0.0014	-2.5 to 2.5	Pass		
									10	120	-0.844	-0.0012	-2.5 to 2.5	Pass		
									30	120	-0.174	-0.0002	-2.5 to 2.5	Pass		
									40	120	-0.791	-0.0011	-2.5 to 2.5	Pass		
50	120	-1.372	-0.0019	-2.5 to 2.5	Pass											
64QAM	704	50	0	20	102	0.076	0.0001	-2.5 to 2.5	Pass							
					120	0.097	0.0001	-2.5 to 2.5	Pass							
					138	-0.816	-0.0012	-2.5 to 2.5	Pass							
									-30	120	-0.819	-0.0012	-2.5 to 2.5	Pass		
									-20	120	0.028	0.0000	-2.5 to 2.5	Pass		
									-10	120	-0.556	-0.0008	-2.5 to 2.5	Pass		
									0	120	-0.125	-0.0002	-2.5 to 2.5	Pass		
									10	120	0.594	0.0008	-2.5 to 2.5	Pass		
									30	120	-0.673	-0.0010	-2.5 to 2.5	Pass		
									40	120	0.281	0.0004	-2.5 to 2.5	Pass		
	50	120	-0.343	-0.0005	-2.5 to 2.5	Pass										
		707.5	50	0	20	102	0.039	0.0001	-2.5 to 2.5	Pass						
						120	0.176	0.0002	-2.5 to 2.5	Pass						
						138	0.300	0.0004	-2.5 to 2.5	Pass						
										-30	120	-0.535	-0.0008	-2.5 to 2.5	Pass	
										-20	120	0.394	0.0006	-2.5 to 2.5	Pass	
										-10	120	0.677	0.0010	-2.5 to 2.5	Pass	
										0	120	0.046	0.0001	-2.5 to 2.5	Pass	
										10	120	-0.068	-0.0001	-2.5 to 2.5	Pass	
										30	120	-0.260	-0.0004	-2.5 to 2.5	Pass	
							40	120	-0.229	-0.0003	-2.5 to 2.5	Pass				
							50	120	-0.041	-0.0001	-2.5 to 2.5	Pass				
							20	102	-1.943	-0.0027	-2.5 to 2.5	Pass				
			711	50	0	20	120	-1.212	-0.0017	-2.5 to 2.5	Pass					
							138	-0.610	-0.0009	-2.5 to 2.5	Pass					
							-30	120	-1.257	-0.0018	-2.5 to 2.5	Pass				
											-20	120	-0.491	-0.0007	-2.5 to 2.5	Pass
											-10	120	-0.567	-0.0008	-2.5 to 2.5	Pass
0											120	-1.040	-0.0015	-2.5 to 2.5	Pass	
10	120										-1.528	-0.0021	-2.5 to 2.5	Pass		
30	120										-0.207	-0.0003	-2.5 to 2.5	Pass		
40	120										0.403	0.0006	-2.5 to 2.5	Pass		
50	120										-1.312	-0.0018	-2.5 to 2.5	Pass		

3. 99% & 26dB Bandwidth

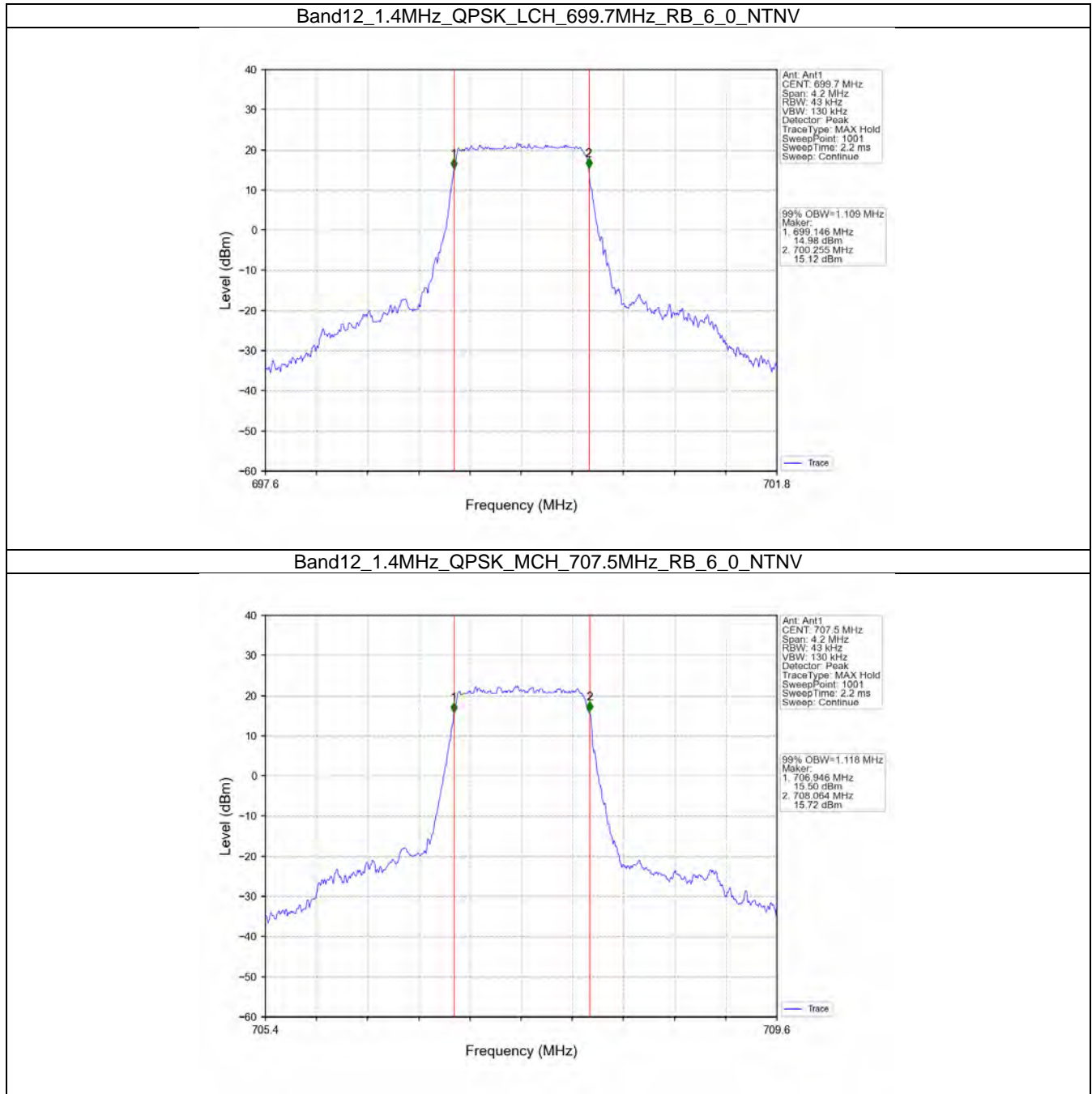
3.1 Band12_OBW

3.1.1 Test Result

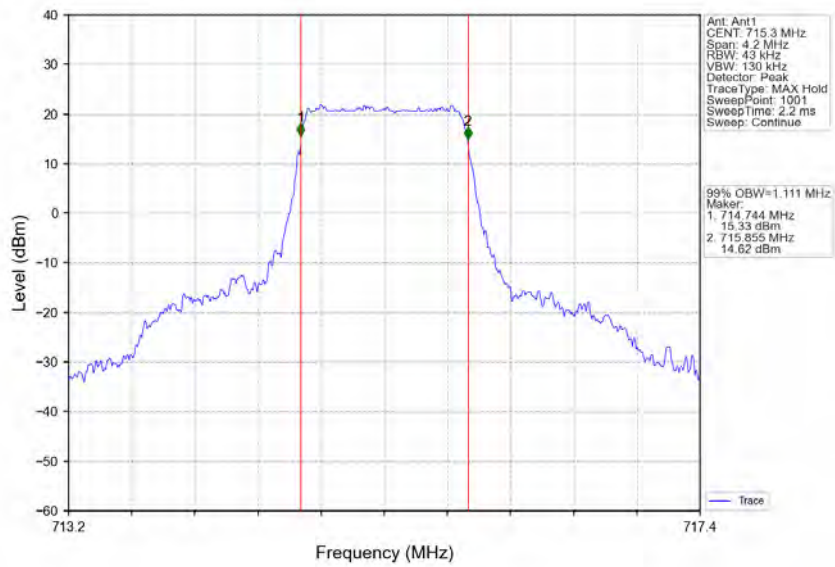
Band: 12 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.109	/	Pass

	16QAM	707.5	6	0	1.118	/	Pass
		715.3	6	0	1.111	/	Pass
		699.7	6	0	1.111	/	Pass
	64QAM	707.5	6	0	1.113	/	Pass
		715.3	6	0	1.120	/	Pass
		699.7	6	0	1.111	/	Pass
		707.5	6	0	1.106	/	Pass
		715.3	6	0	1.106	/	Pass
		700.5	15	0	2.734	/	Pass
3	QPSK	707.5	15	0	2.744	/	Pass
		714.5	15	0	2.739	/	Pass
		700.5	15	0	2.735	/	Pass
	16QAM	707.5	15	0	2.733	/	Pass
		714.5	15	0	2.731	/	Pass
		700.5	15	0	2.738	/	Pass
		707.5	15	0	2.731	/	Pass
		714.5	15	0	2.732	/	Pass
		701.5	25	0	4.533	/	Pass
5	QPSK	707.5	25	0	4.531	/	Pass
		713.5	25	0	4.524	/	Pass
		701.5	25	0	4.525	/	Pass
	16QAM	707.5	25	0	4.549	/	Pass
		713.5	25	0	4.529	/	Pass
		701.5	25	0	4.519	/	Pass
	64QAM	707.5	25	0	4.563	/	Pass
		713.5	25	0	4.530	/	Pass
		704	50	0	9.029	/	Pass
10	QPSK	707.5	50	0	9.038	/	Pass
		711	50	0	9.024	/	Pass
		704	50	0	9.063	/	Pass
	16QAM	707.5	50	0	9.051	/	Pass
		711	50	0	9.007	/	Pass
		704	50	0	9.010	/	Pass
	64QAM	707.5	50	0	9.041	/	Pass
		711	50	0	9.006	/	Pass

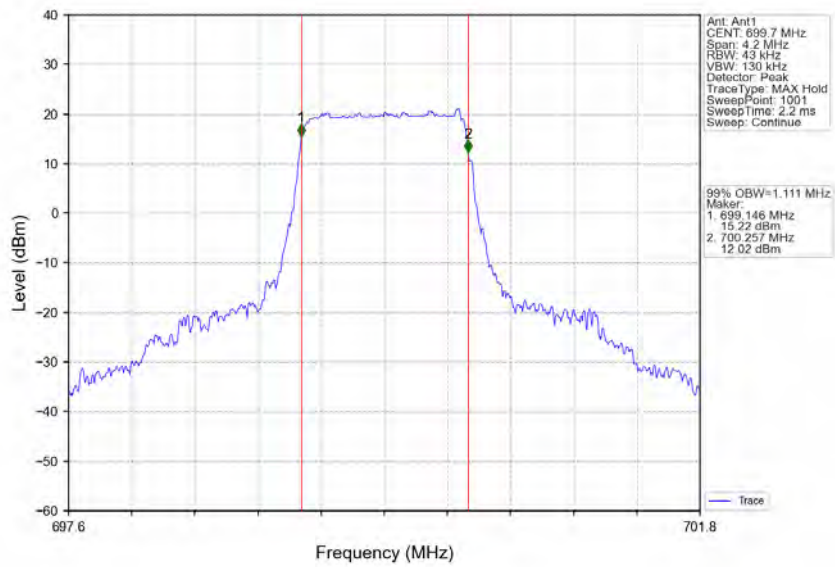
3.1.2 Test Graph



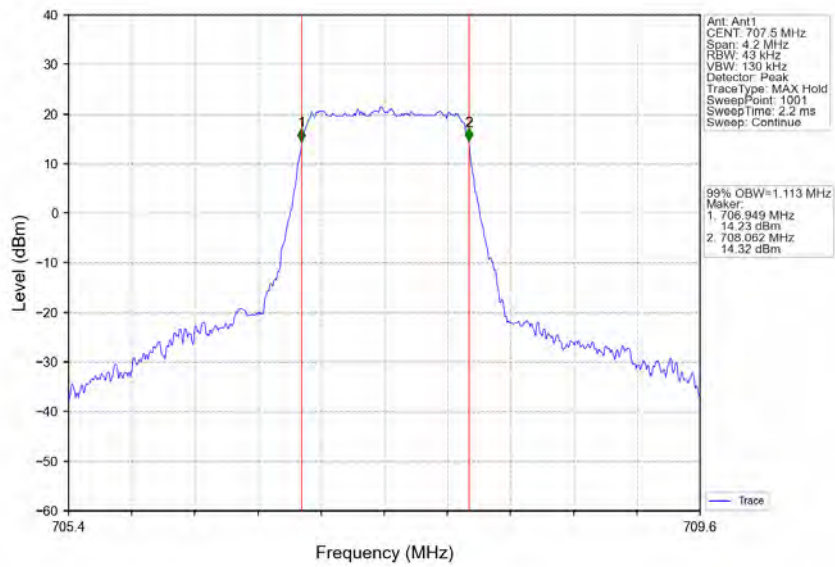
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



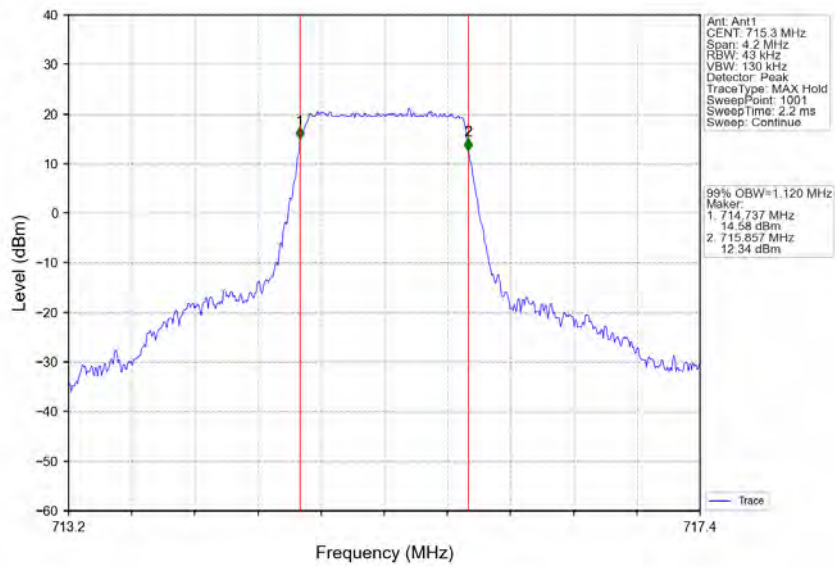
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



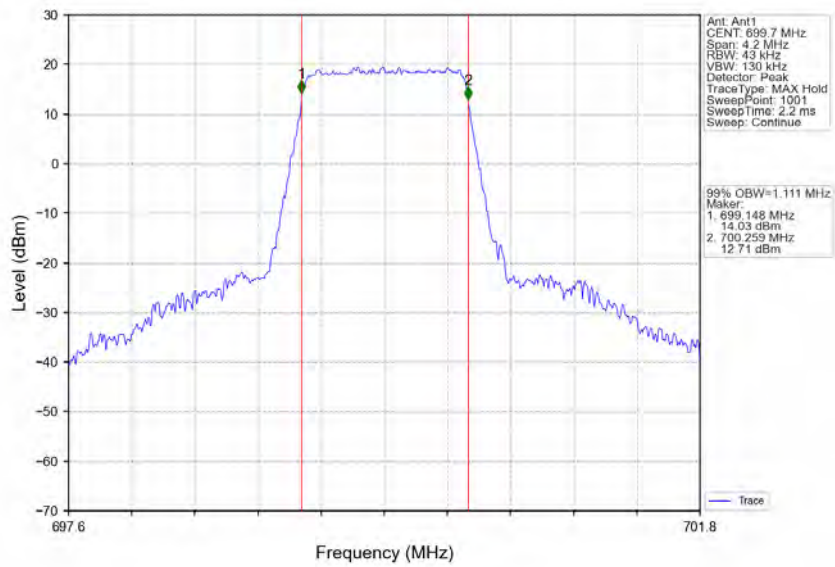
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



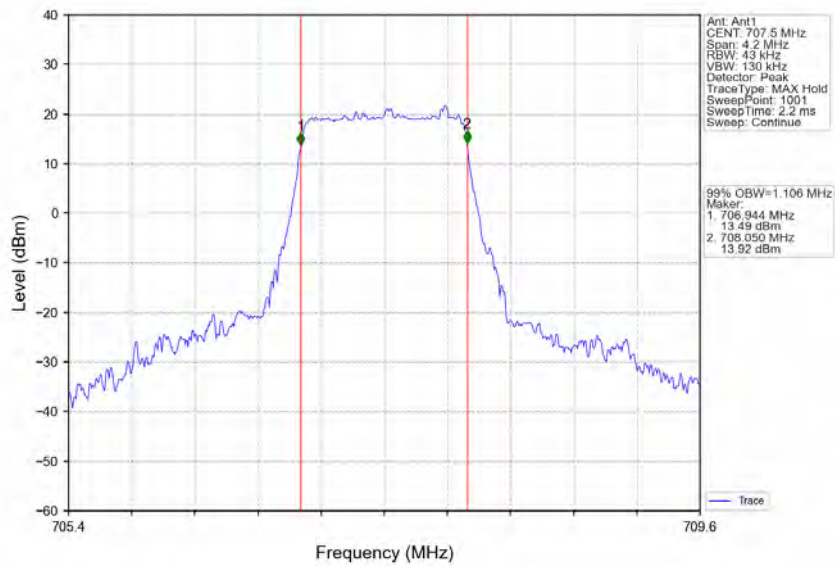
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



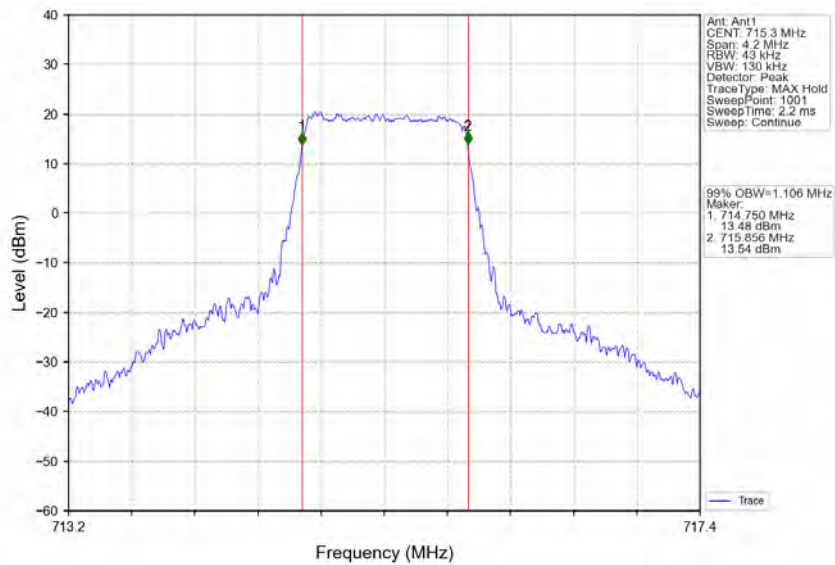
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



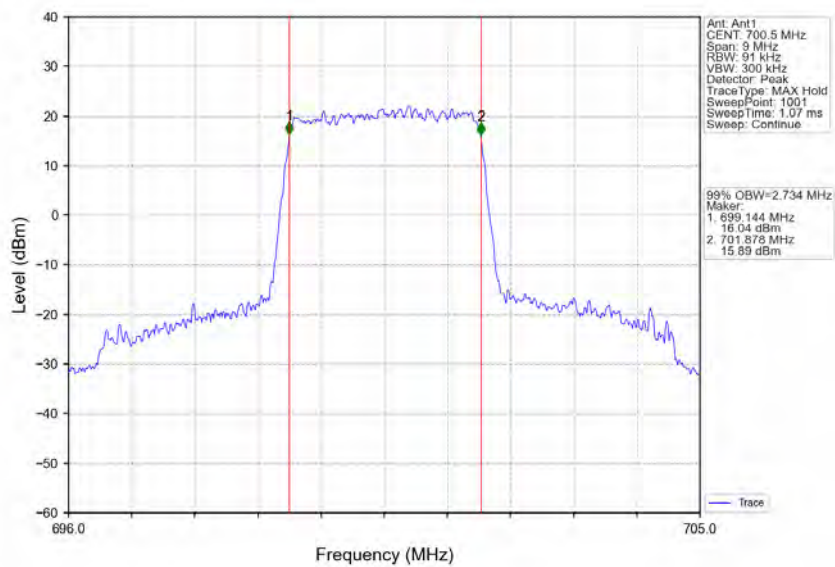
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



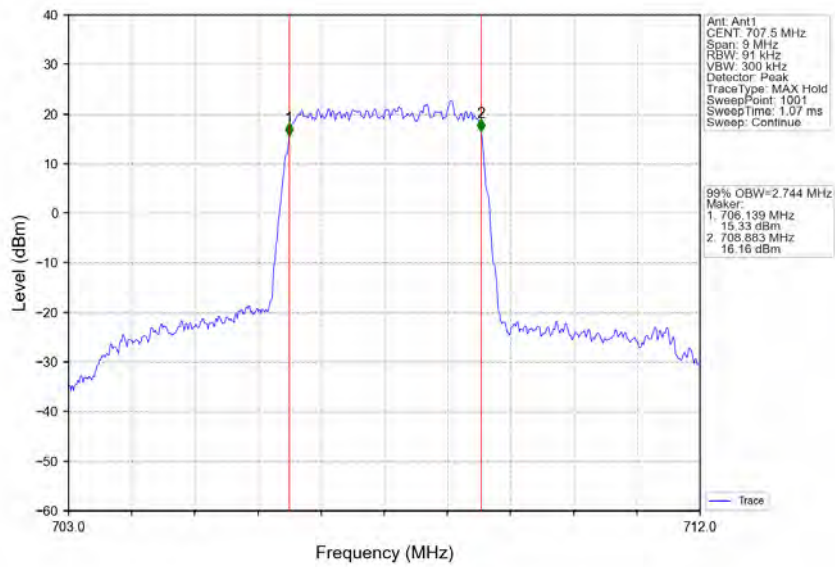
Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



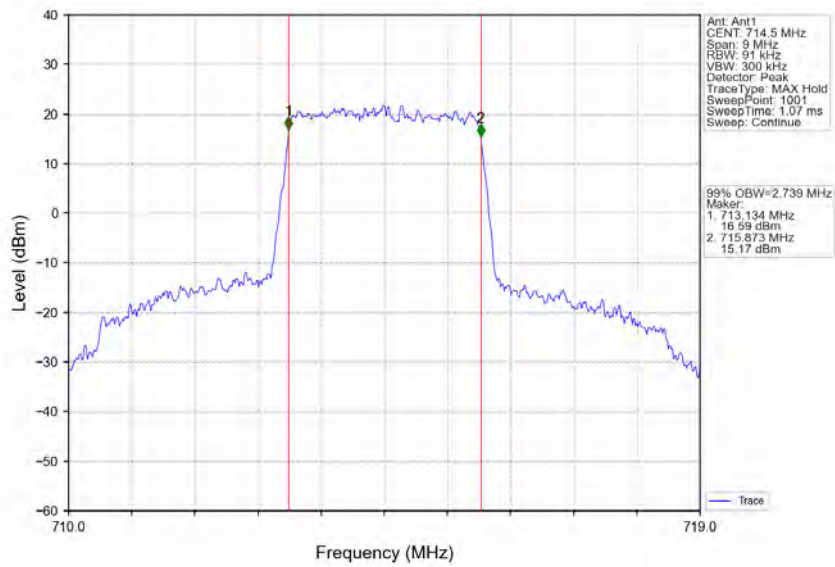
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



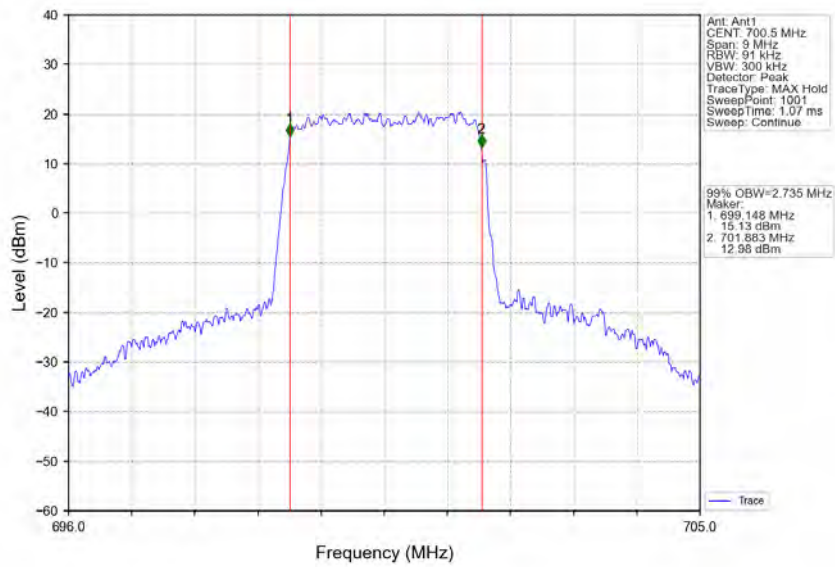
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



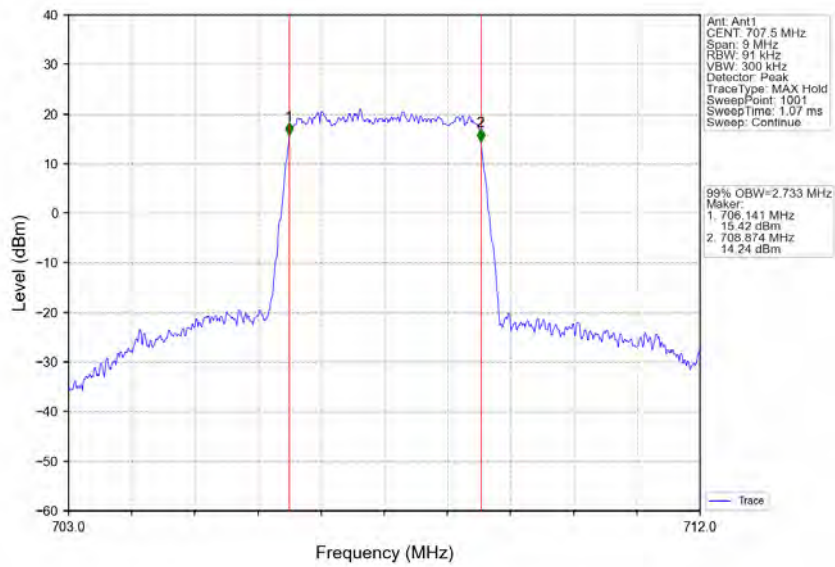
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



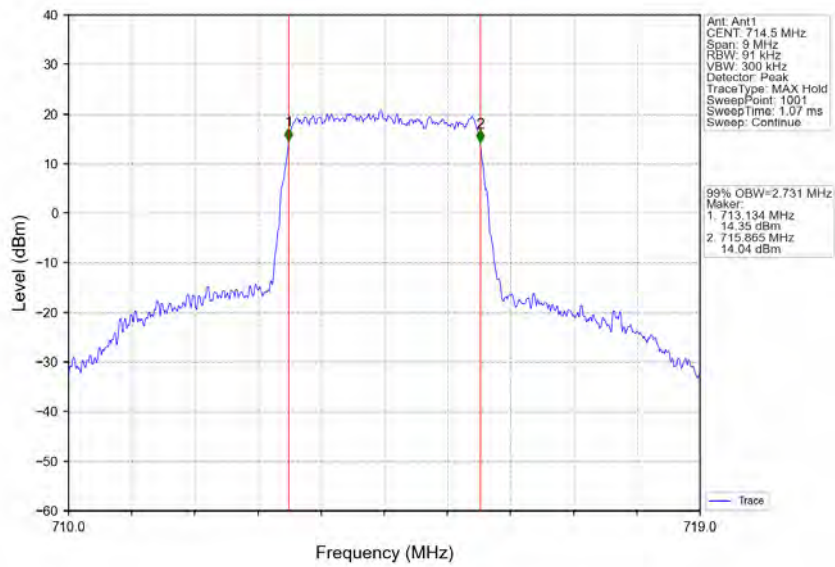
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



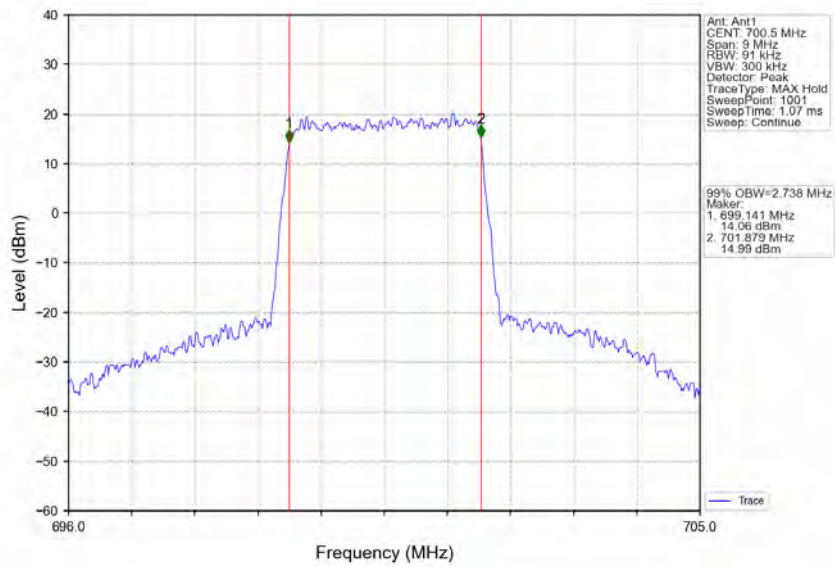
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



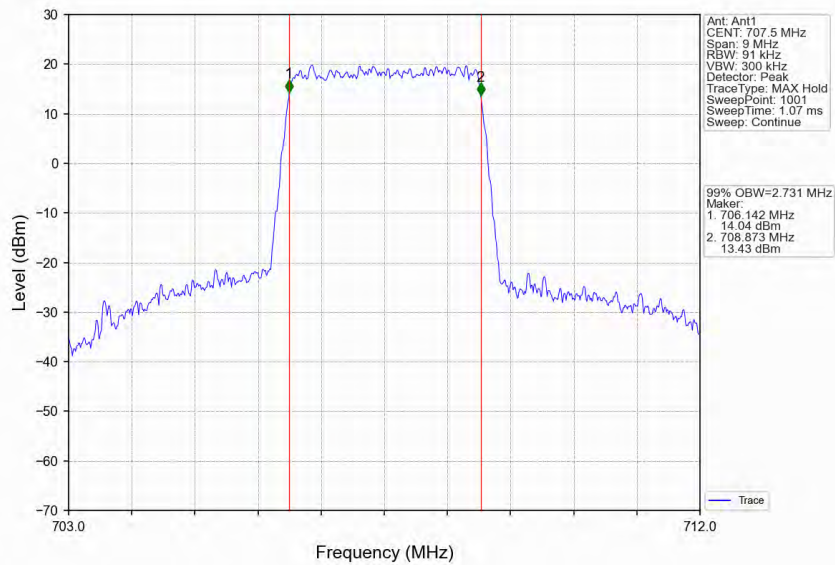
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



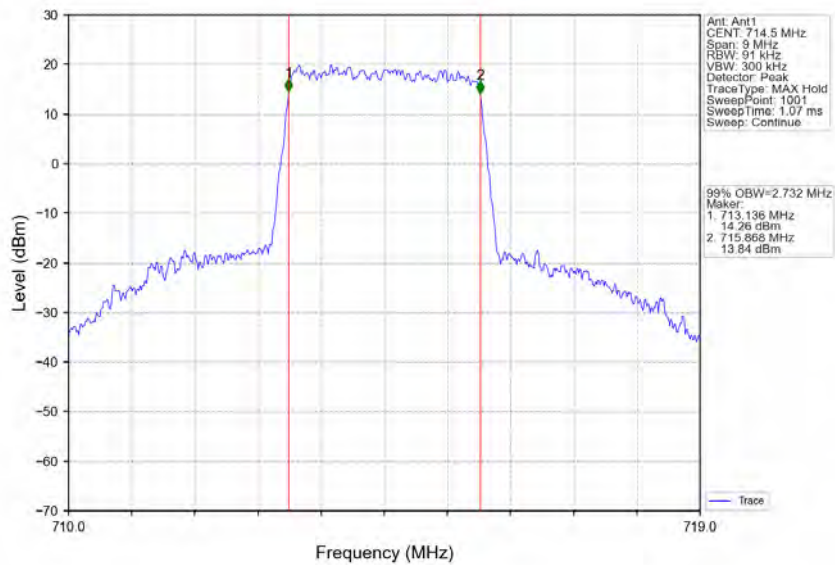
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



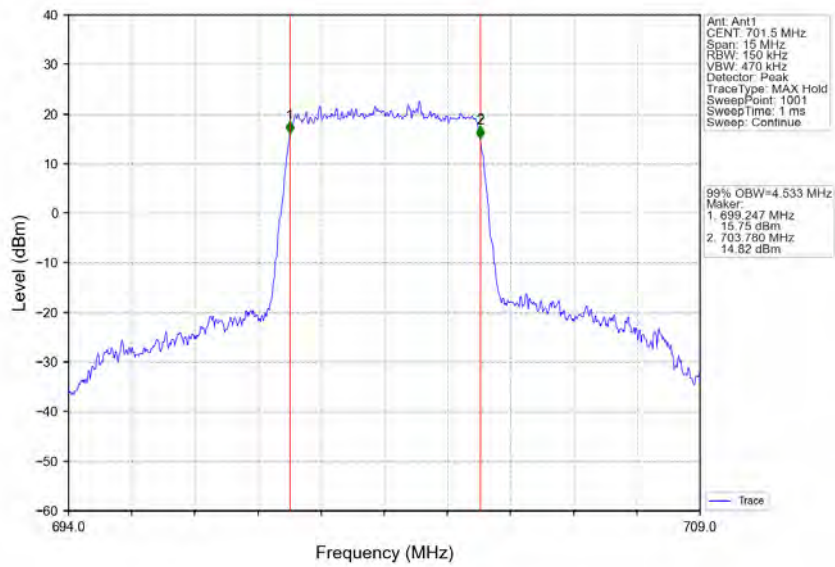
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



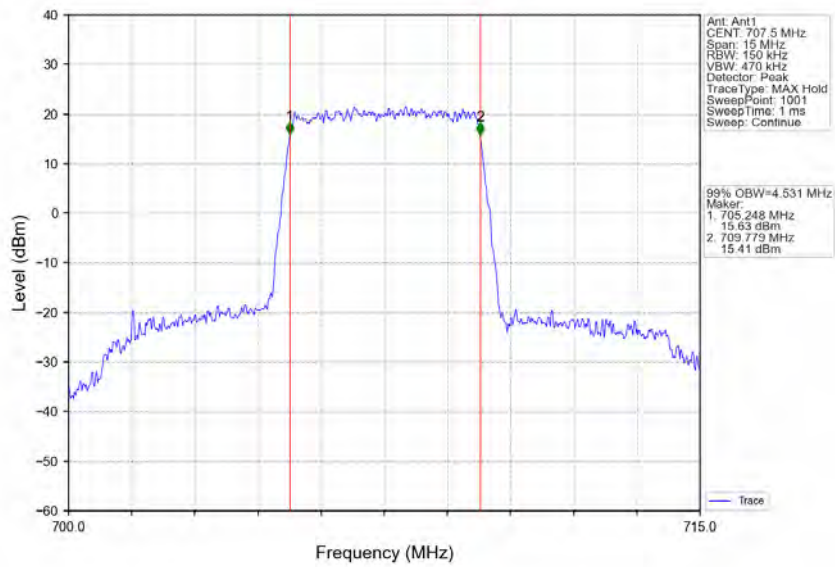
Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



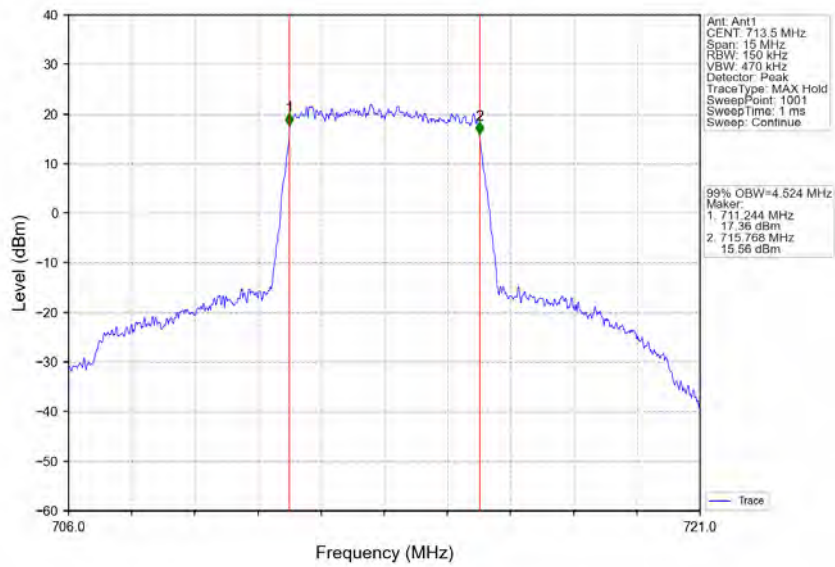
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



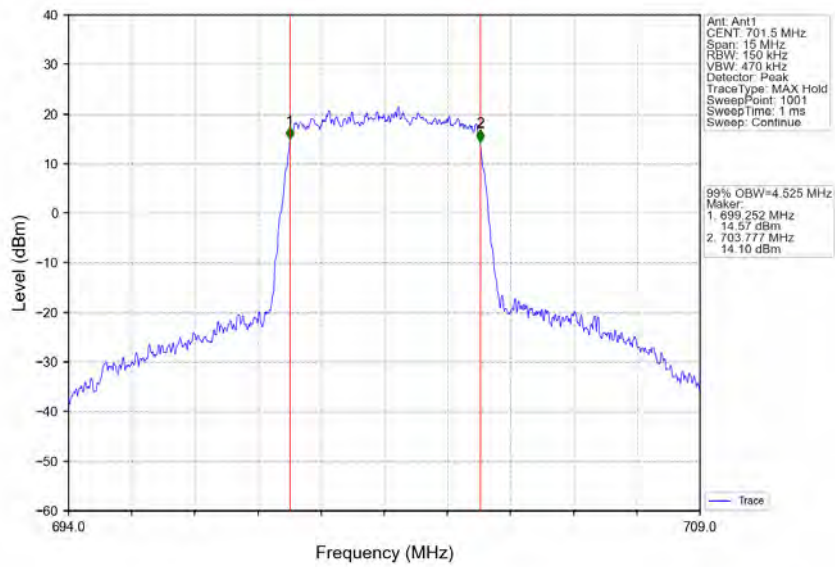
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



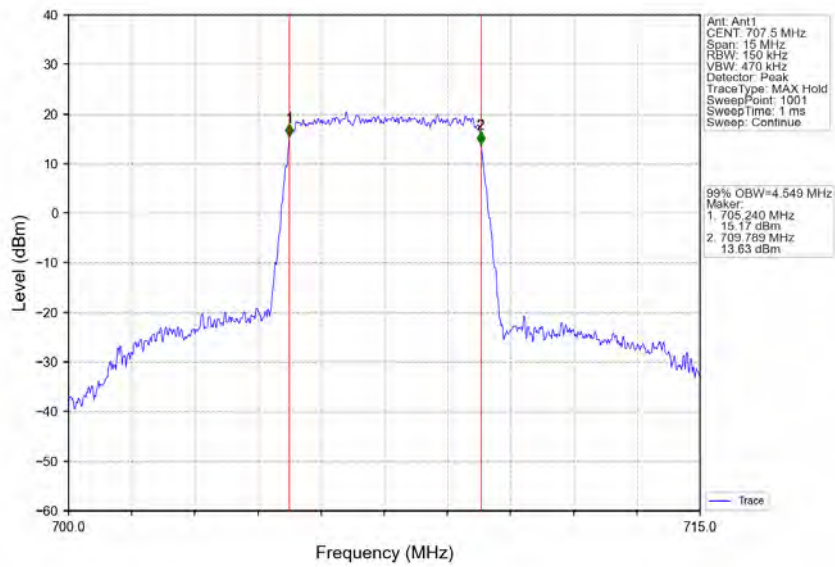
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



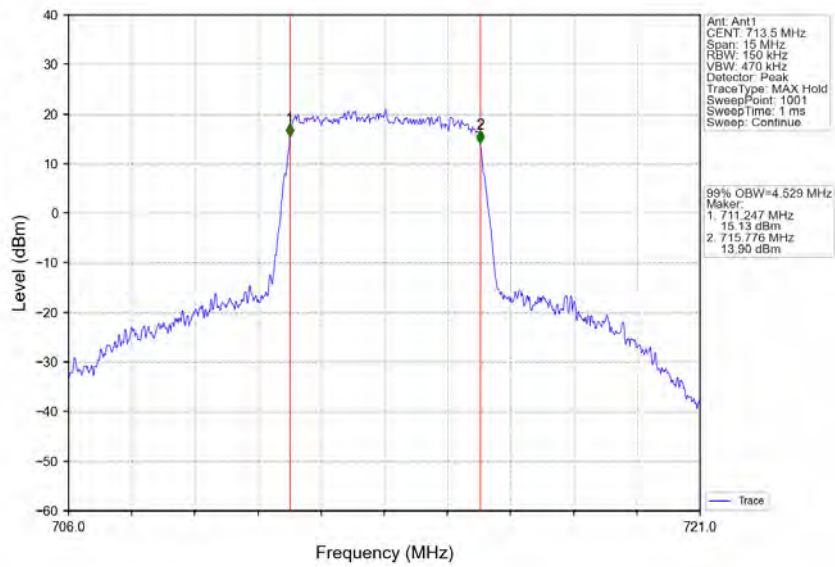
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



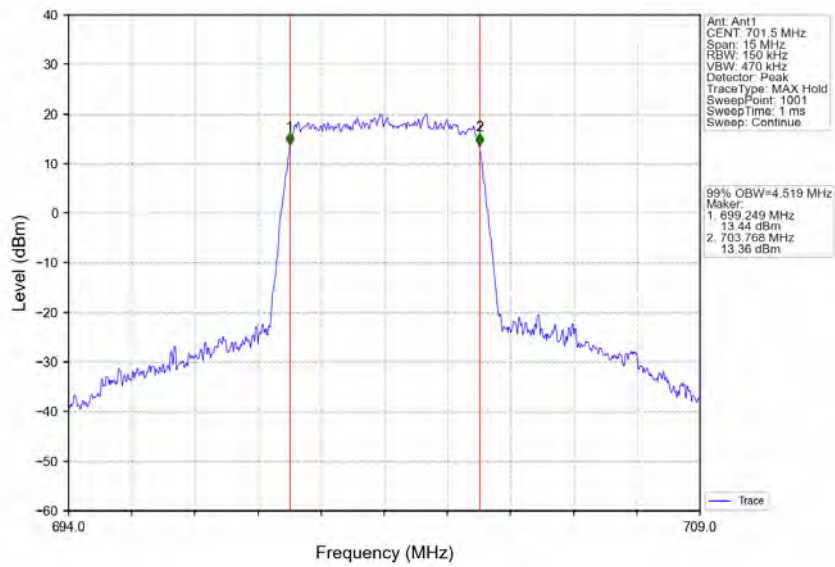
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



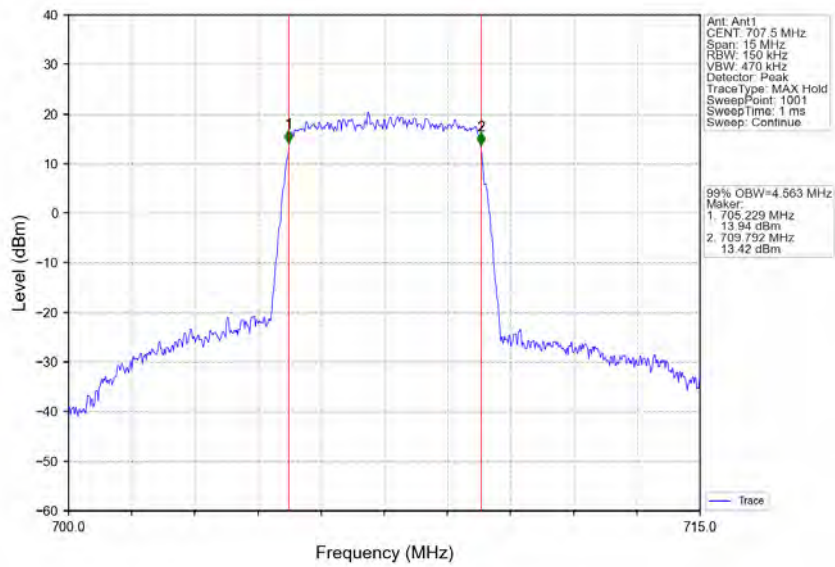
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



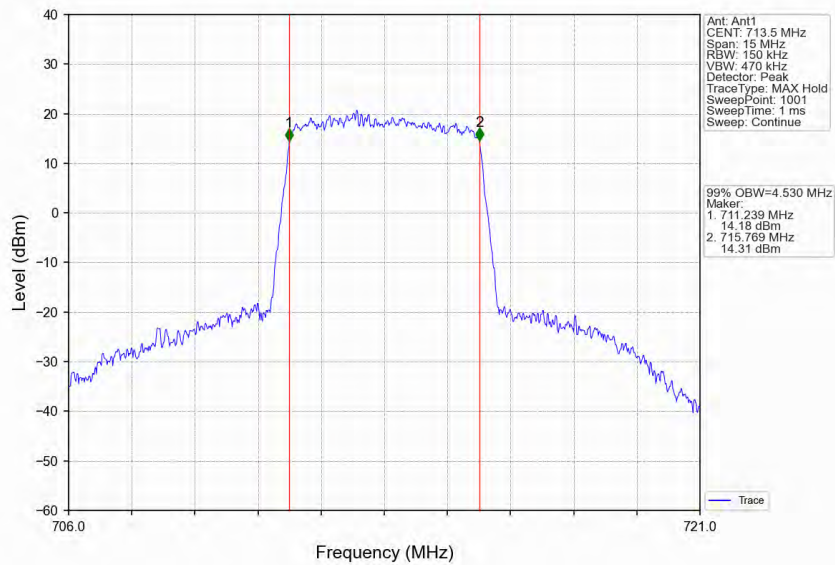
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



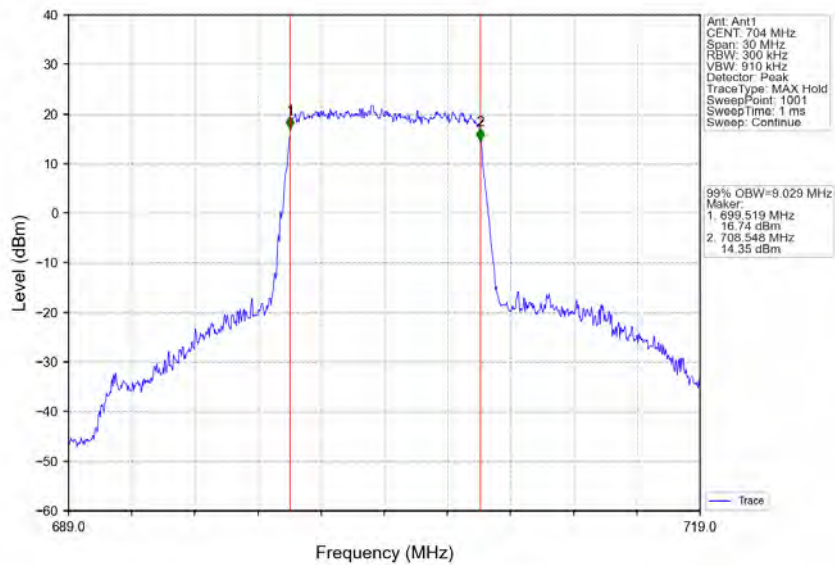
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



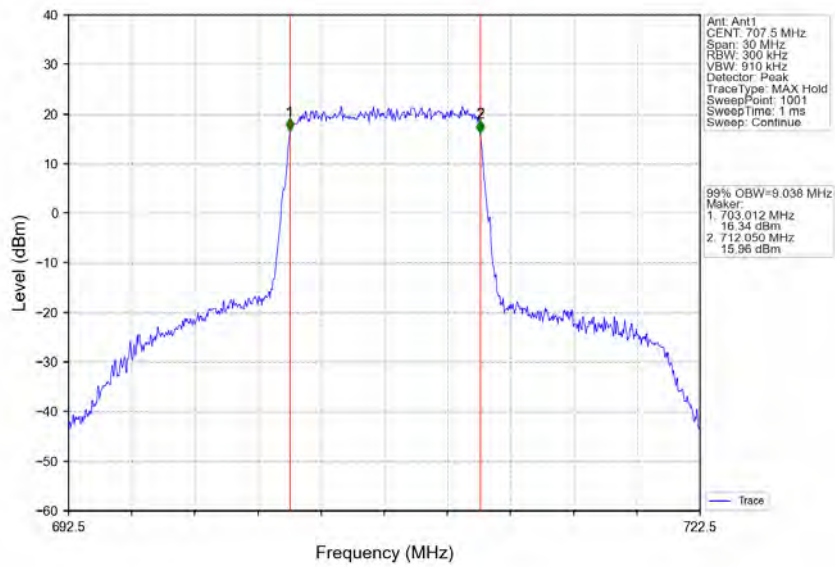
Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



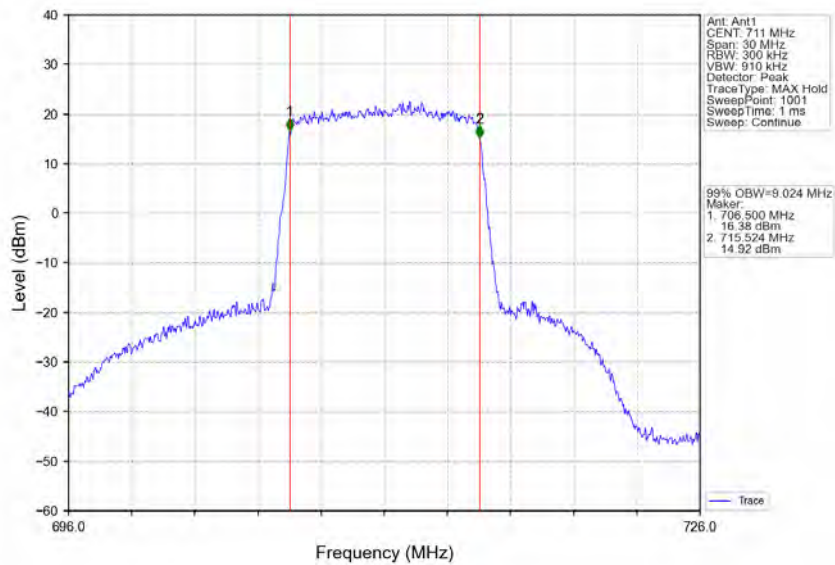
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



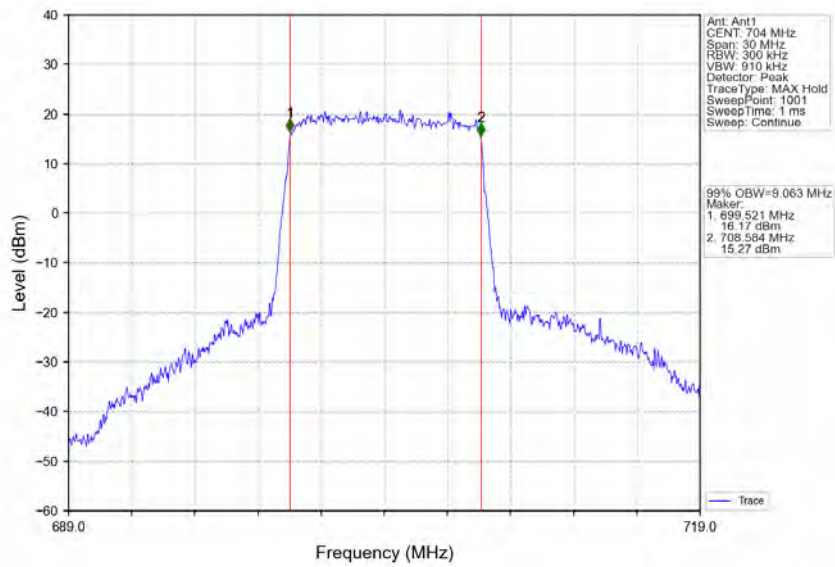
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



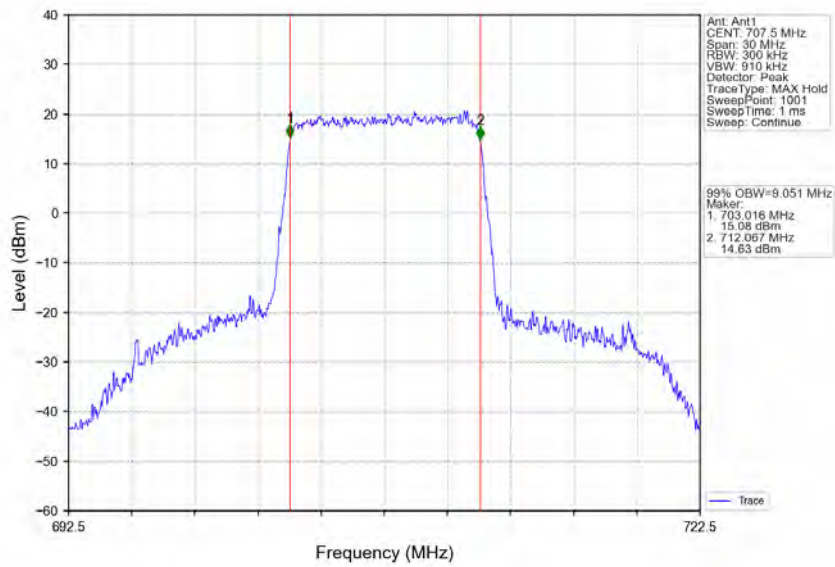
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



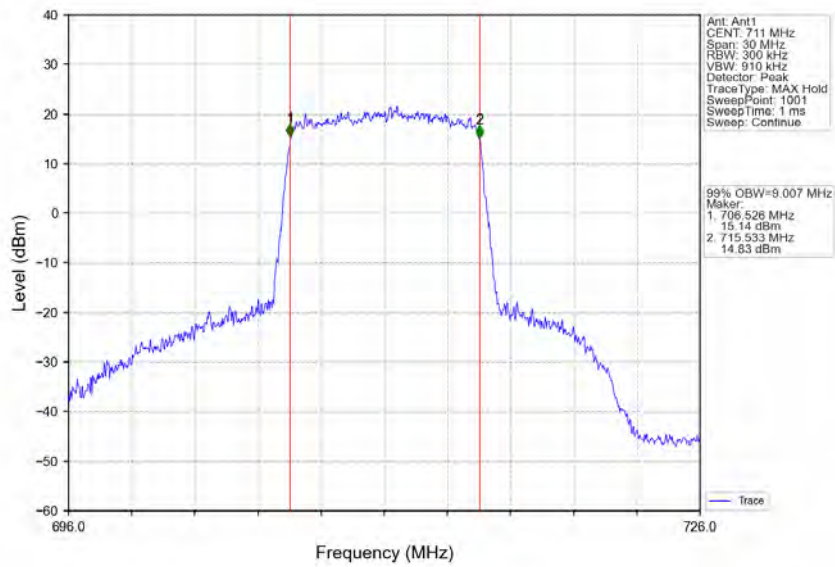
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



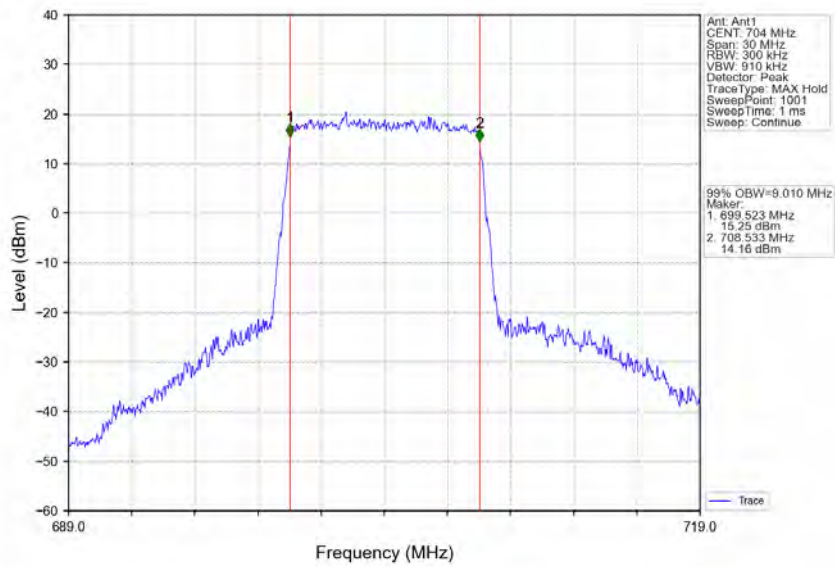
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



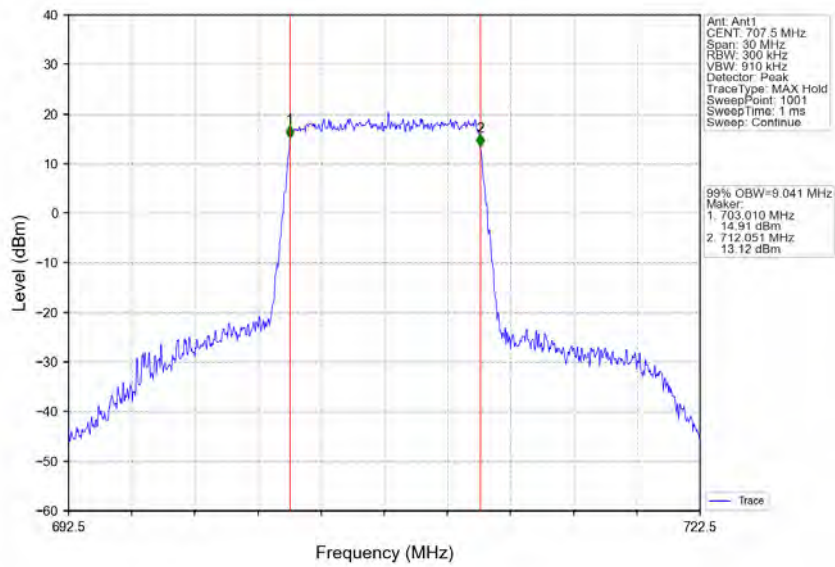
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



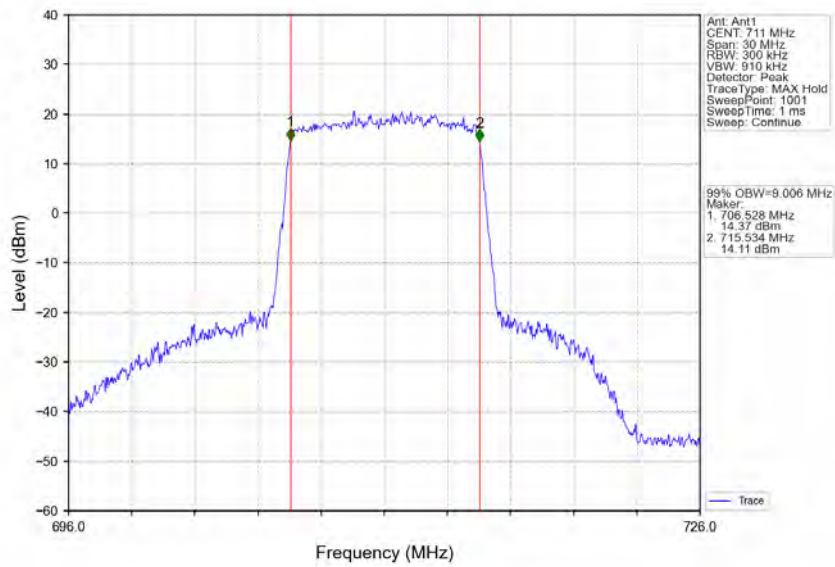
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV

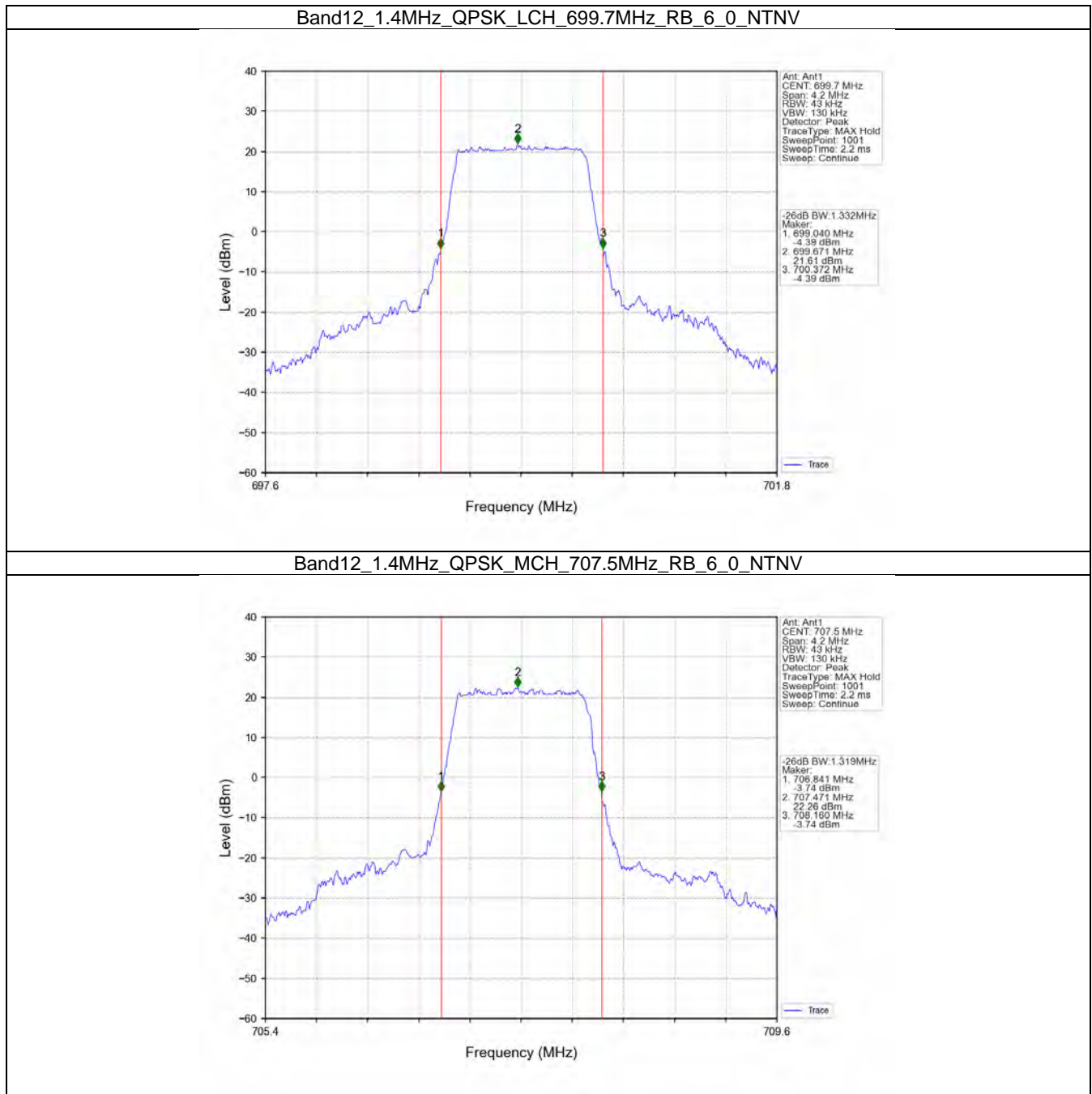


3.2 Band12_XDB

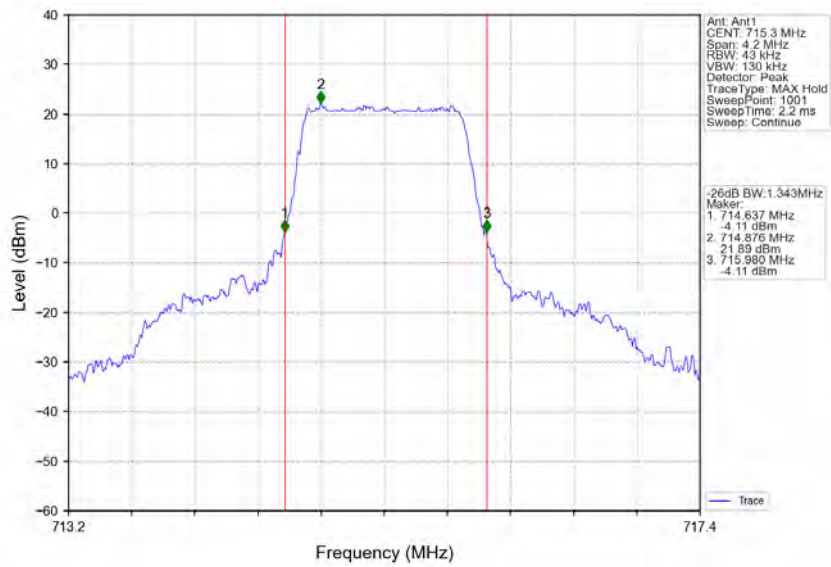
3.2.1 Test Result

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.332	/	Pass
		707.5	6	0	1.319	/	Pass
		715.3	6	0	1.343	/	Pass
	16QAM	699.7	6	0	1.312	/	Pass
		707.5	6	0	1.321	/	Pass
		715.3	6	0	1.340	/	Pass
	64QAM	699.7	6	0	1.329	/	Pass
		707.5	6	0	1.296	/	Pass
		715.3	6	0	1.338	/	Pass
3	QPSK	700.5	15	0	3.054	/	Pass
		707.5	15	0	3.036	/	Pass
		714.5	15	0	3.072	/	Pass
	16QAM	700.5	15	0	3.054	/	Pass
		707.5	15	0	3.041	/	Pass
		714.5	15	0	3.057	/	Pass
	64QAM	700.5	15	0	3.042	/	Pass
		707.5	15	0	3.040	/	Pass
		714.5	15	0	3.046	/	Pass
5	QPSK	701.5	25	0	5.024	/	Pass
		707.5	25	0	5.083	/	Pass
		713.5	25	0	5.075	/	Pass
	16QAM	701.5	25	0	5.051	/	Pass
		707.5	25	0	5.081	/	Pass
		713.5	25	0	5.085	/	Pass
	64QAM	701.5	25	0	5.061	/	Pass
		707.5	25	0	5.101	/	Pass
		713.5	25	0	5.037	/	Pass
10	QPSK	704	50	0	10.010	/	Pass
		707.5	50	0	10.070	/	Pass
		711	50	0	9.998	/	Pass
	16QAM	704	50	0	9.995	/	Pass
		707.5	50	0	10.089	/	Pass
		711	50	0	9.971	/	Pass
	64QAM	704	50	0	10.035	/	Pass
		707.5	50	0	10.020	/	Pass
		711	50	0	9.976	/	Pass

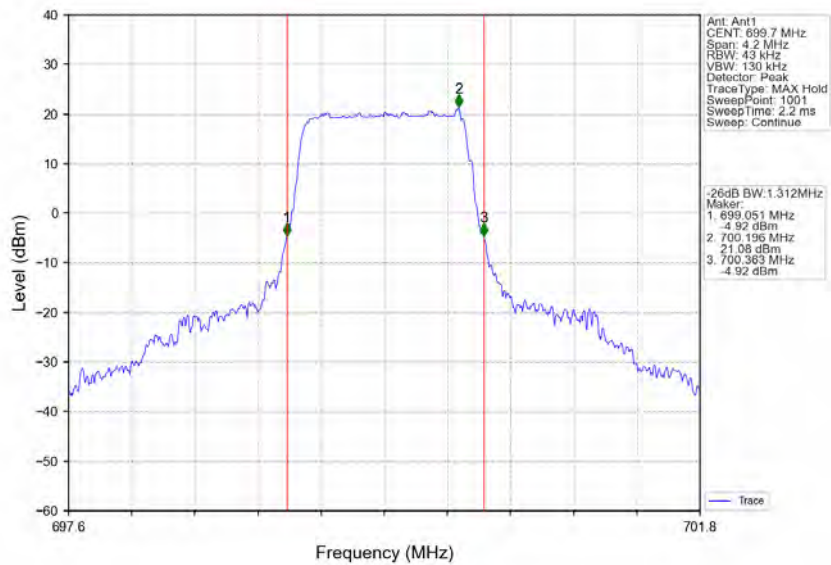
3.2.2 Test Graph



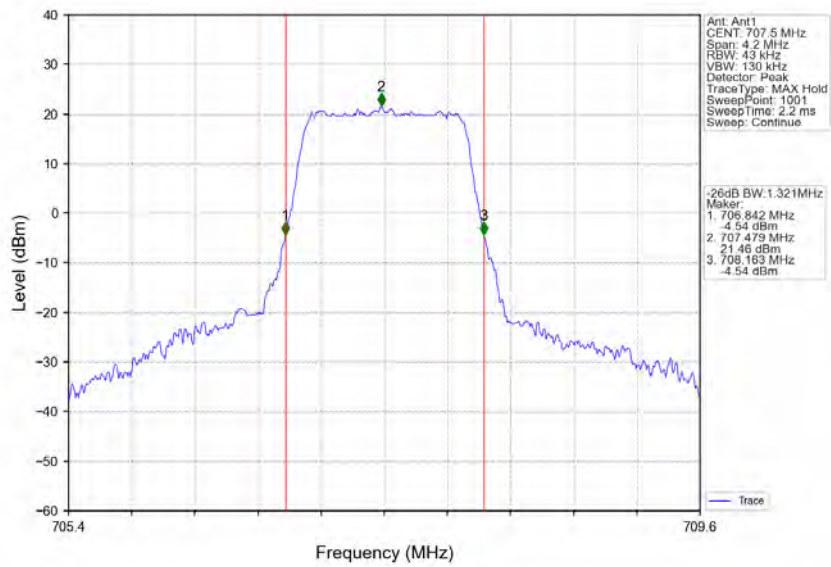
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



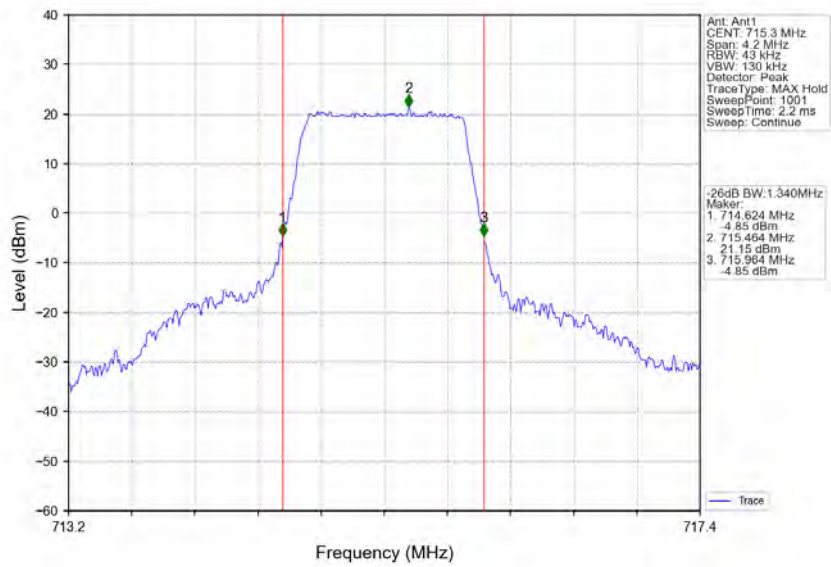
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



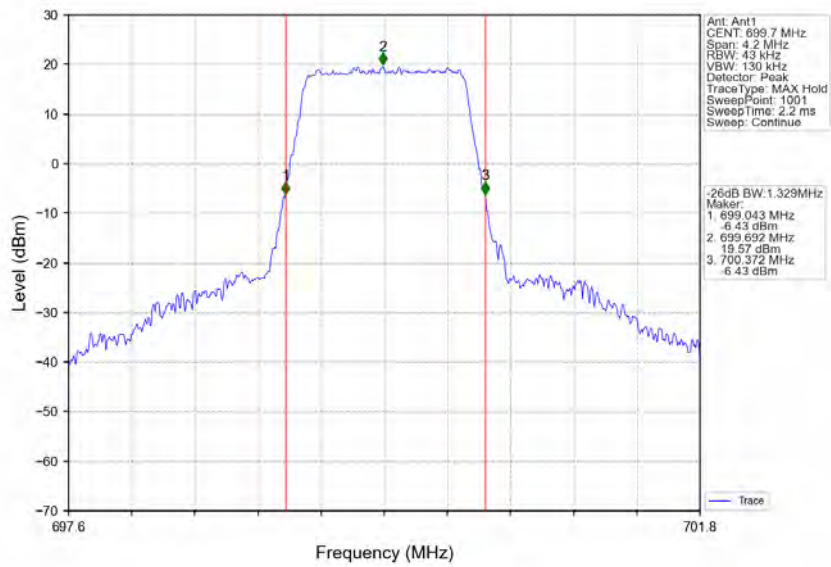
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



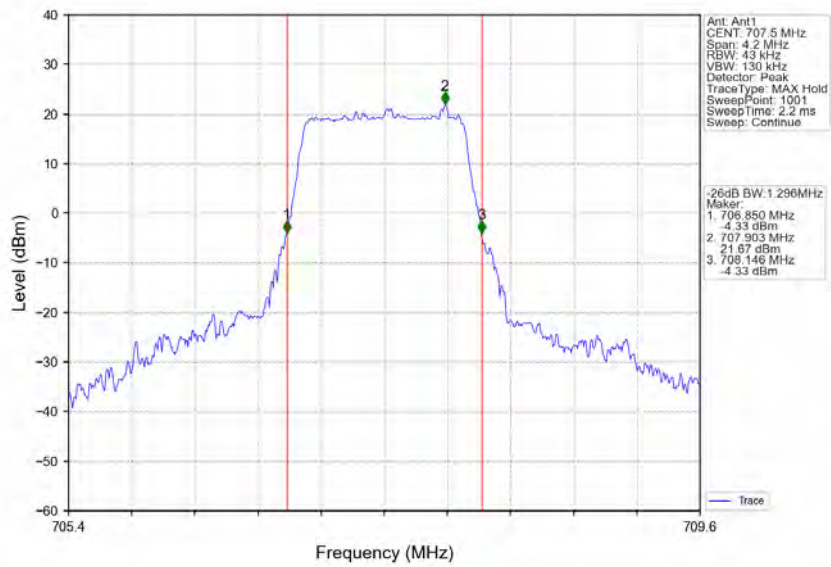
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



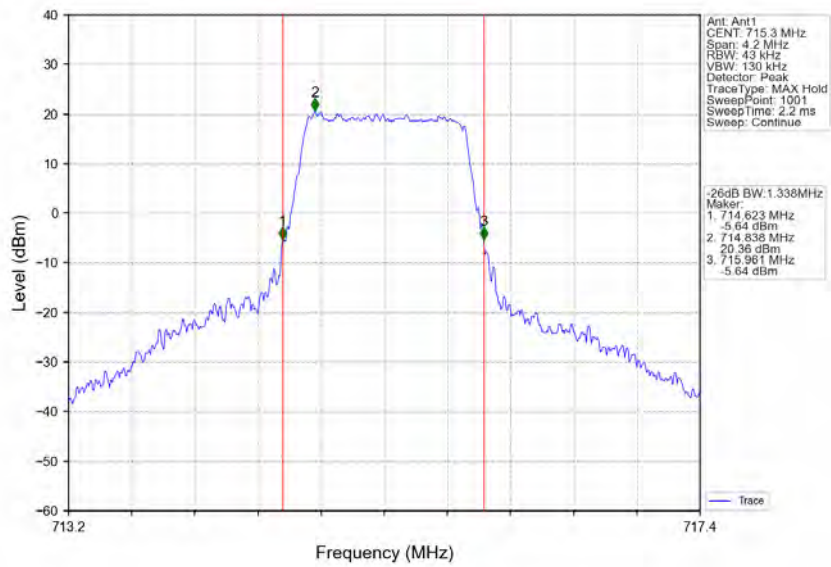
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



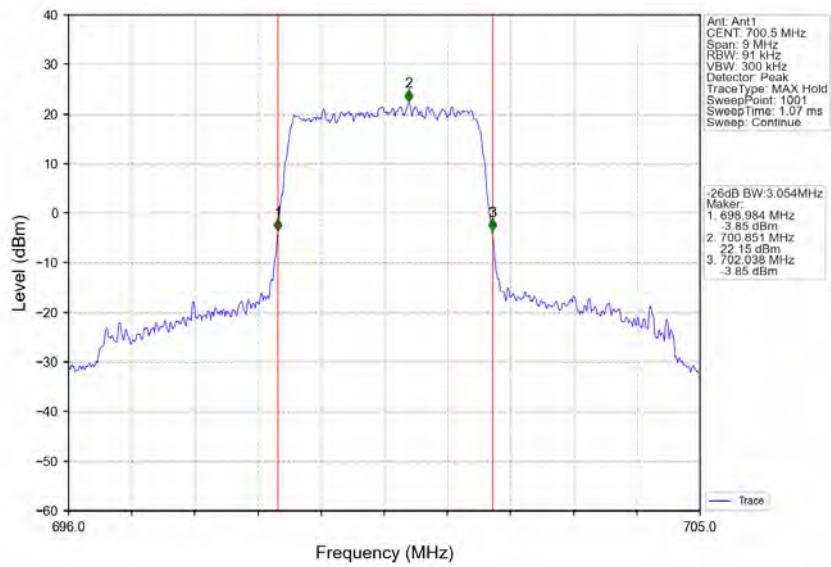
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



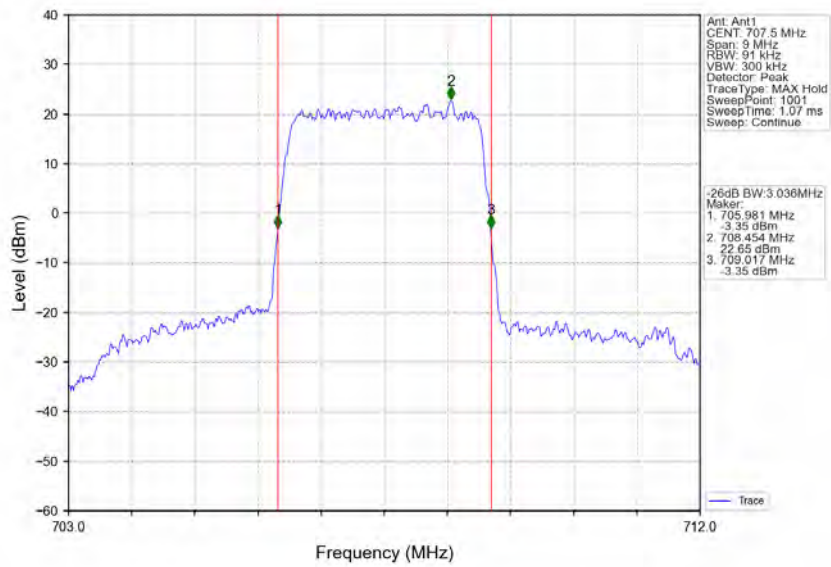
Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



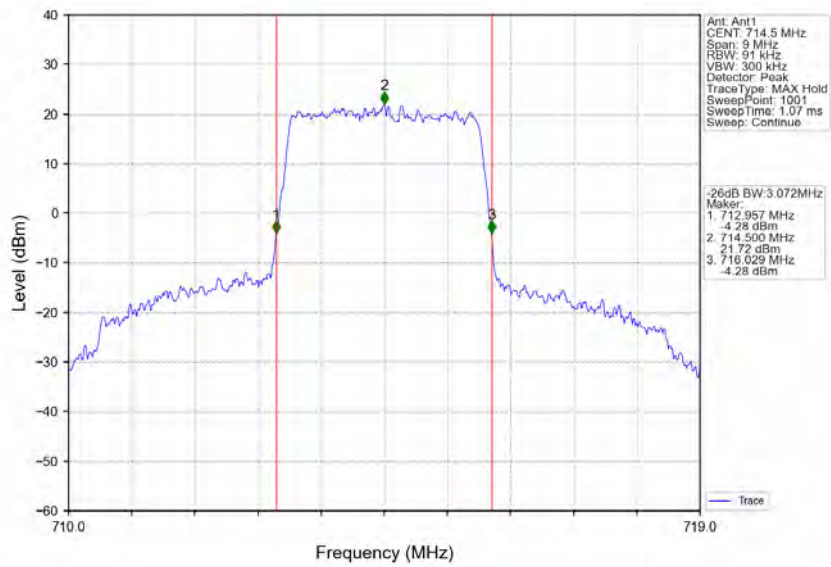
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



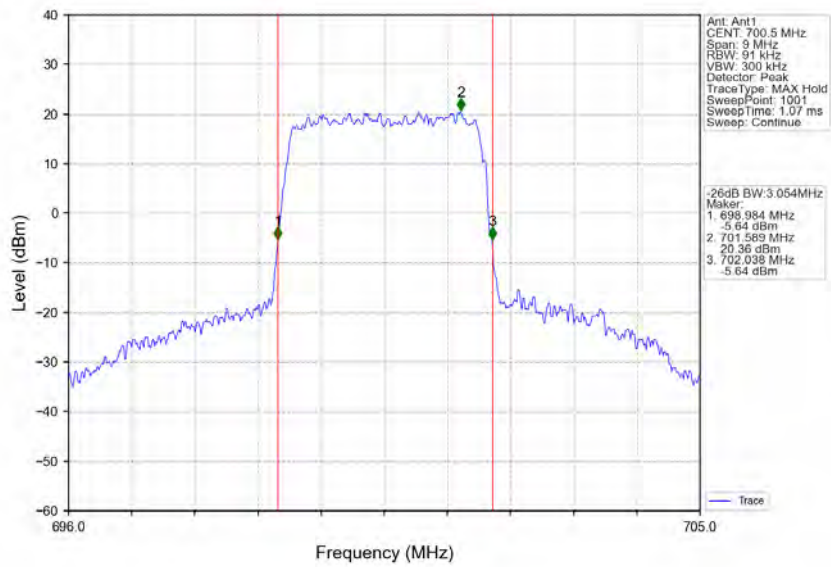
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



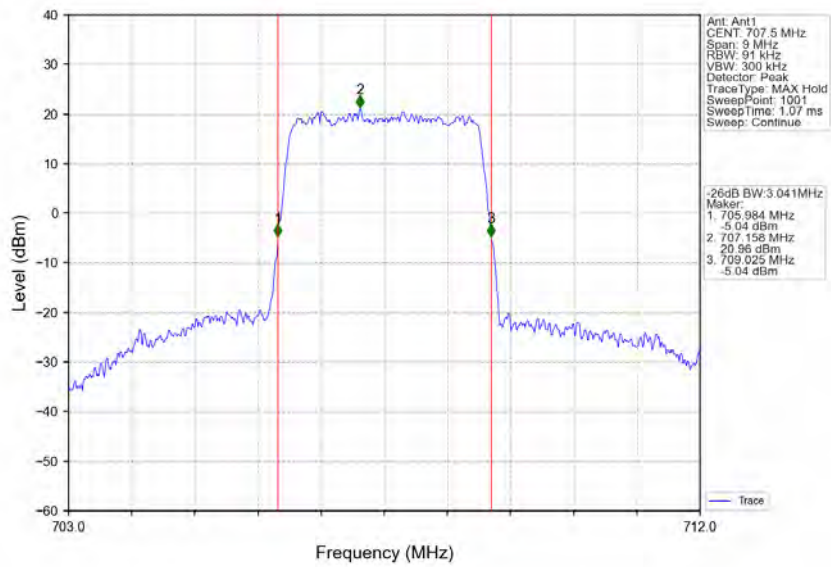
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



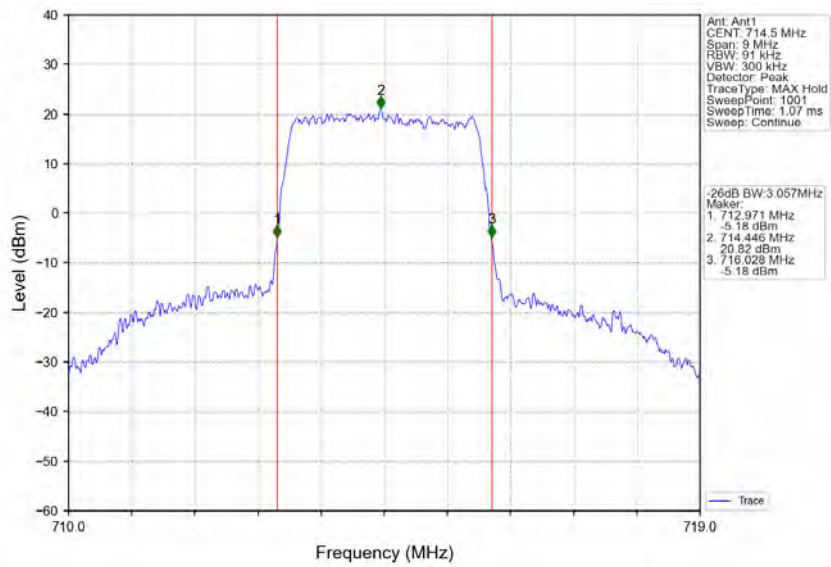
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



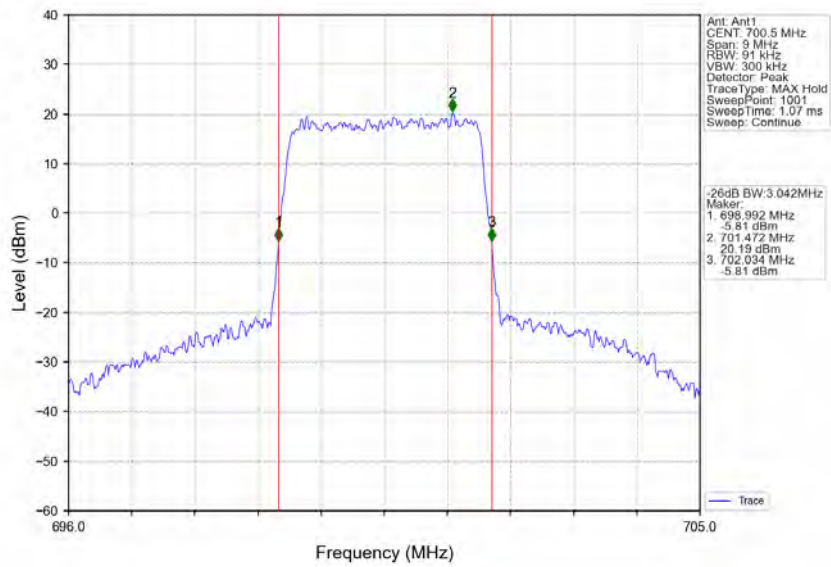
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



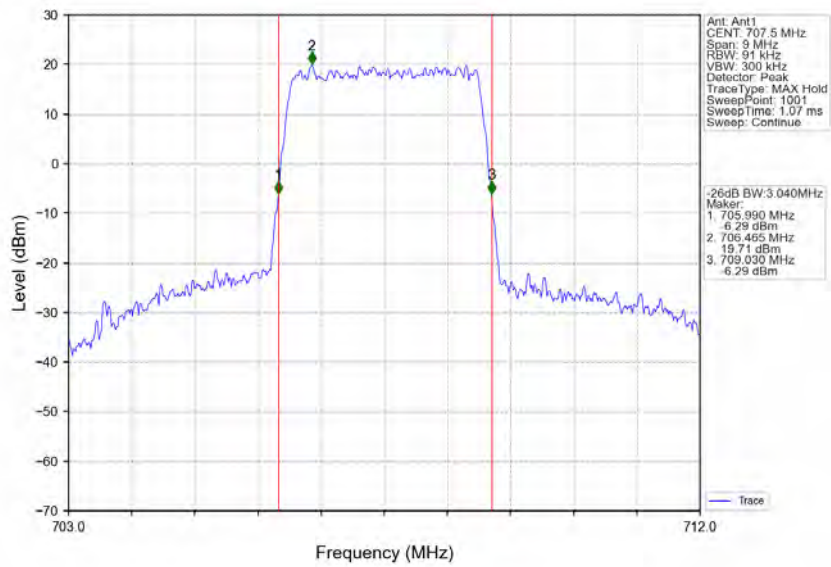
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



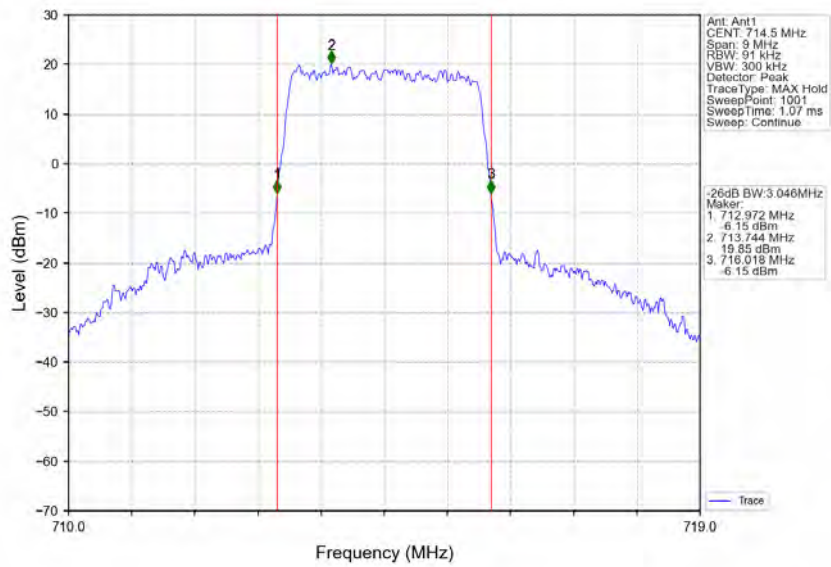
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



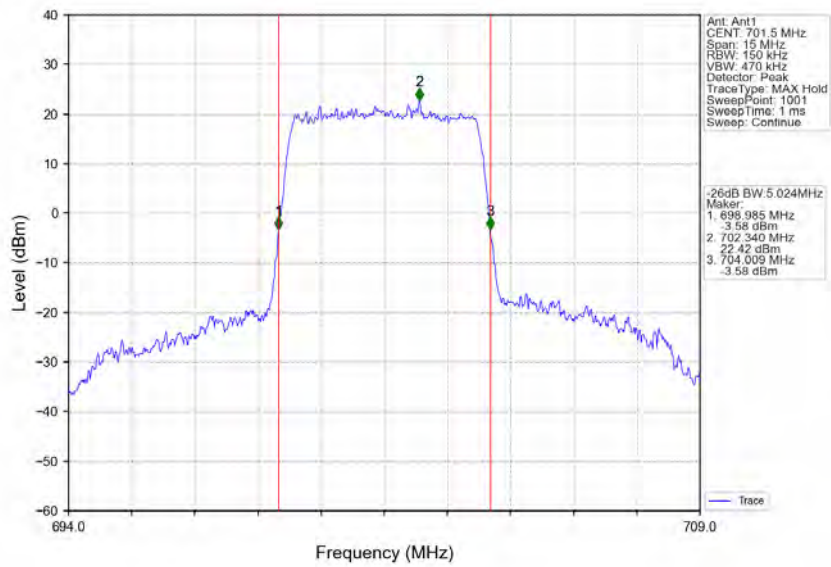
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



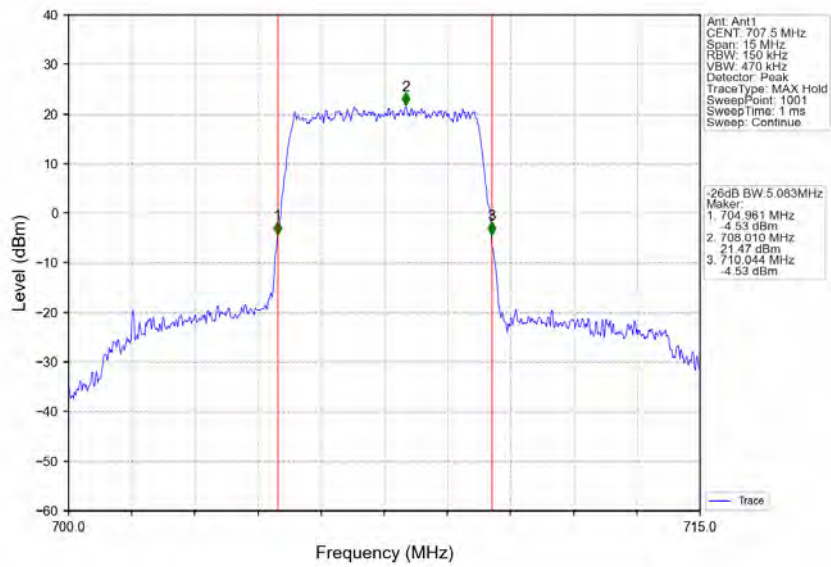
Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



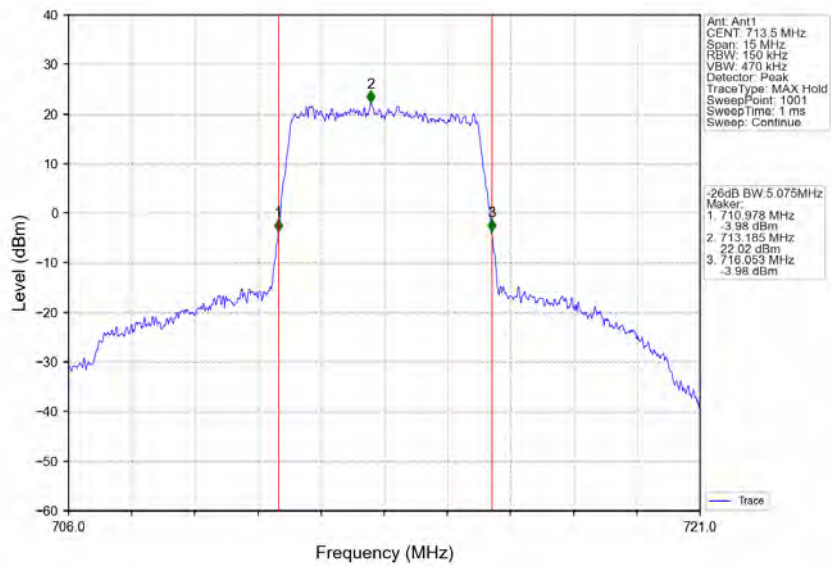
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



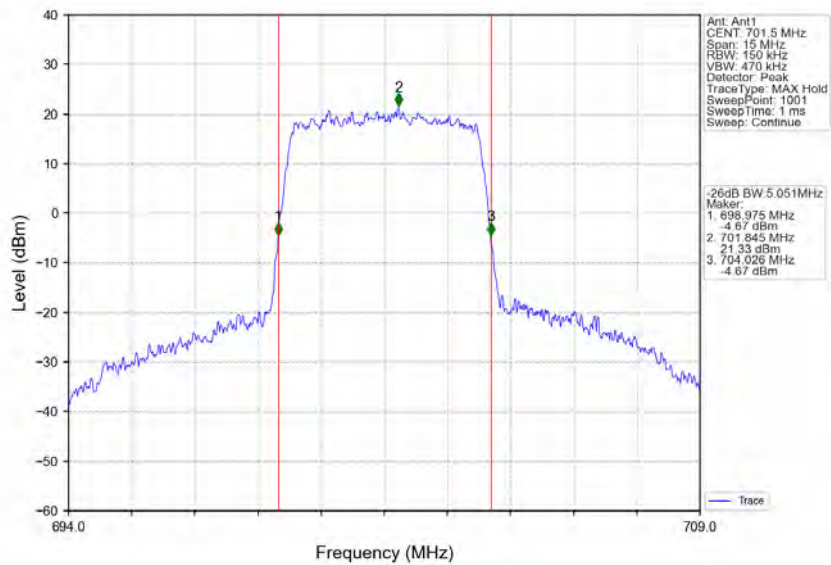
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



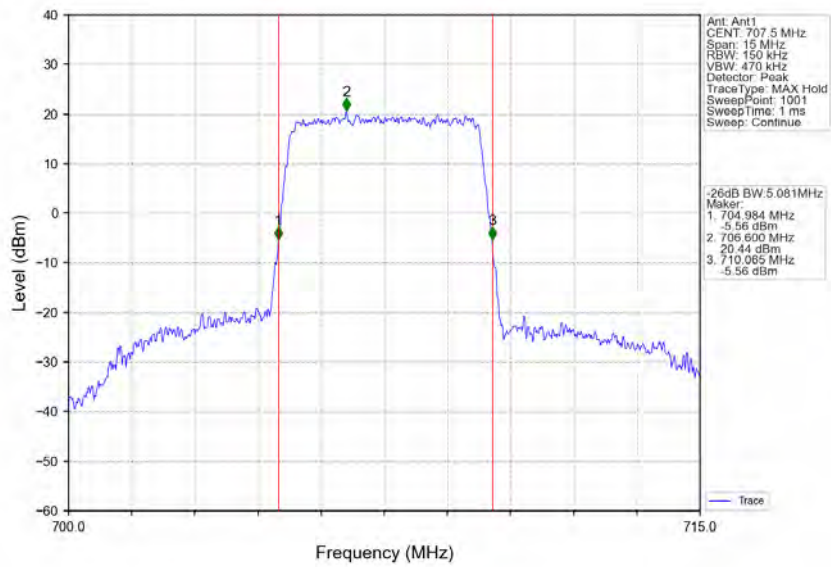
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



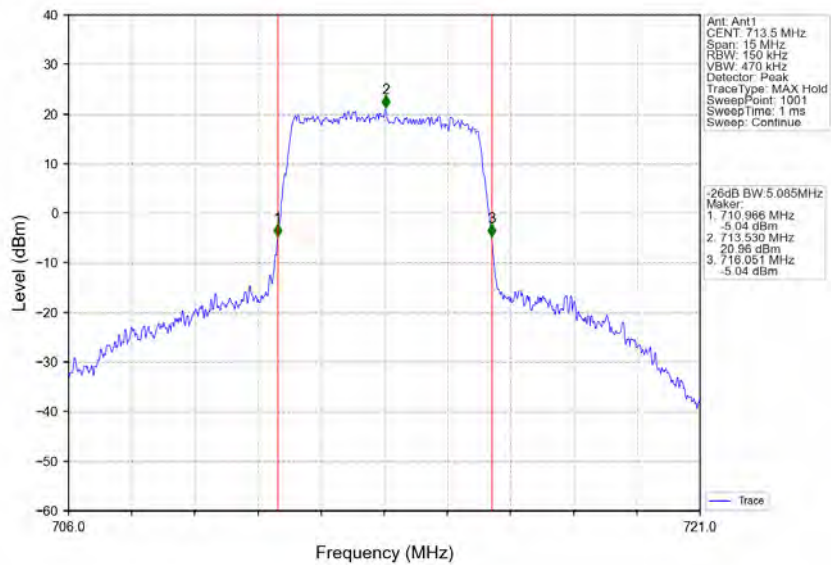
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



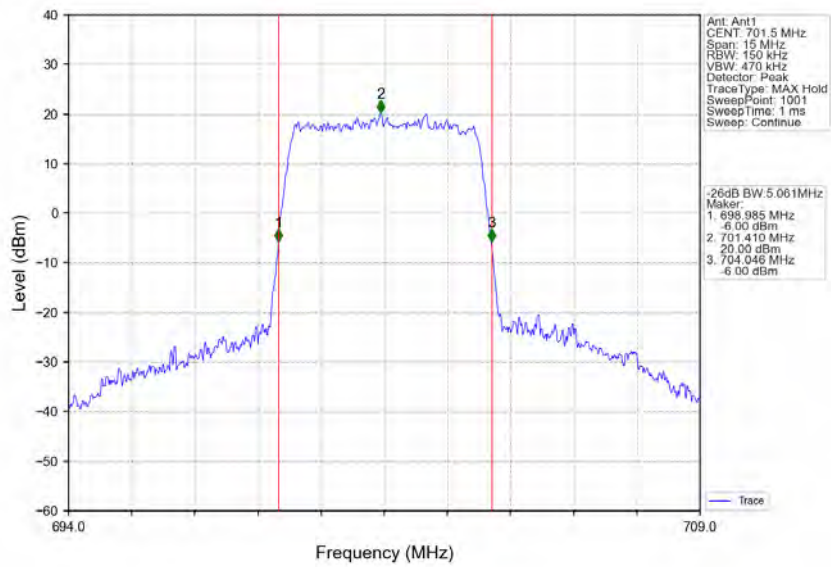
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



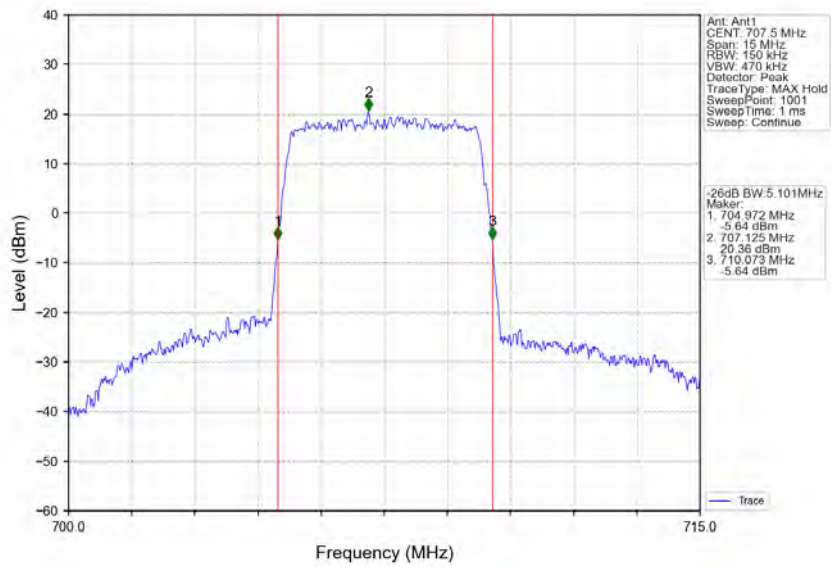
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



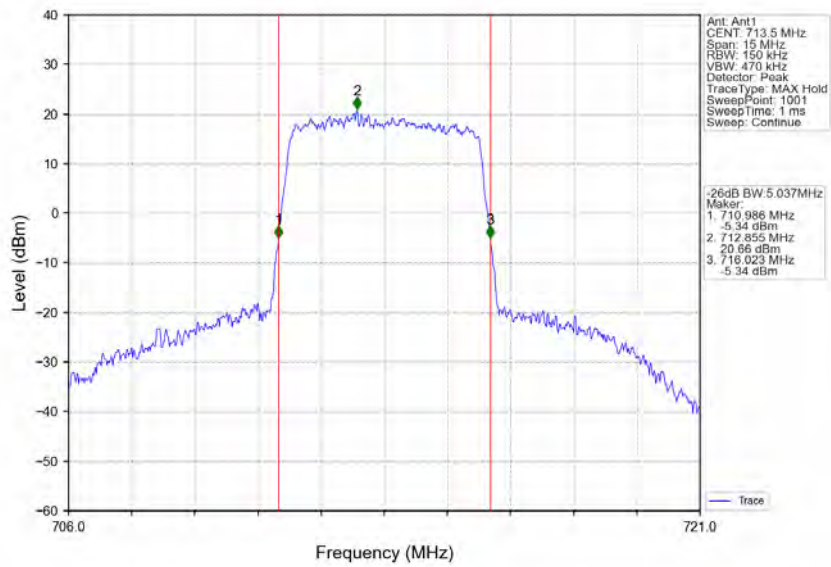
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



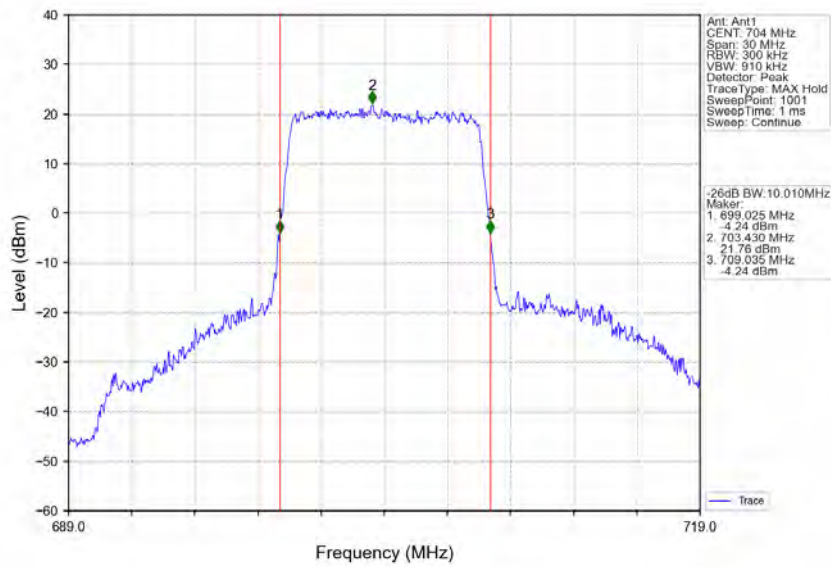
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



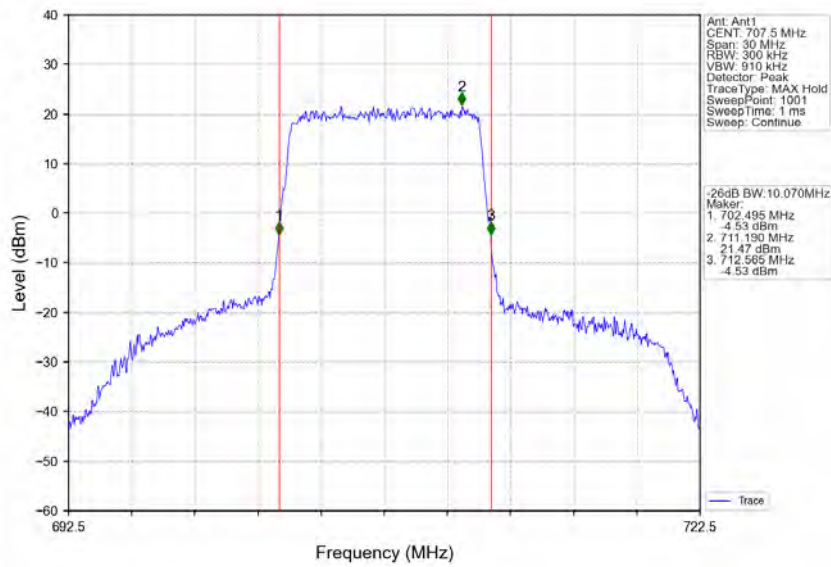
Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



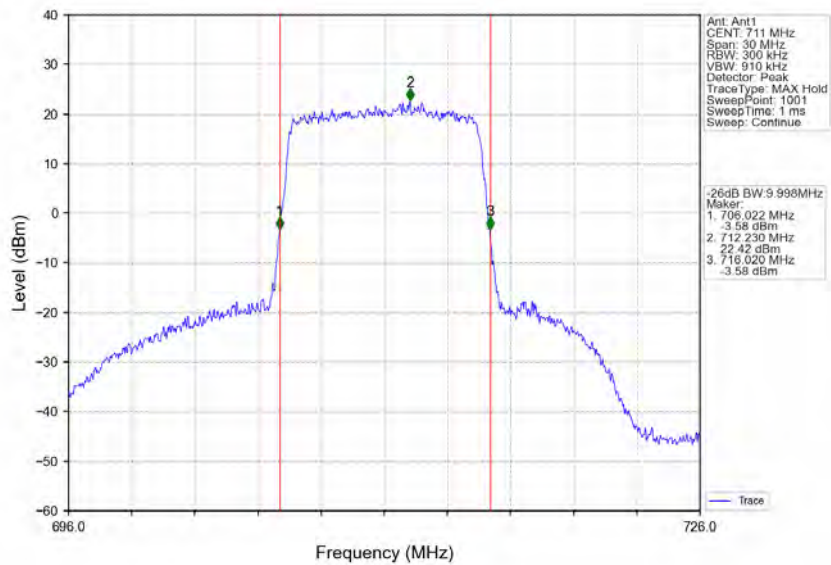
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



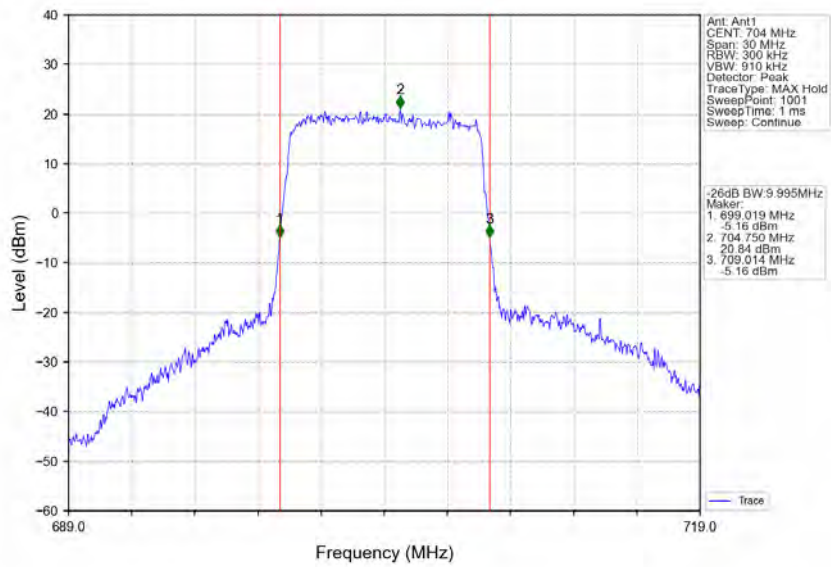
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



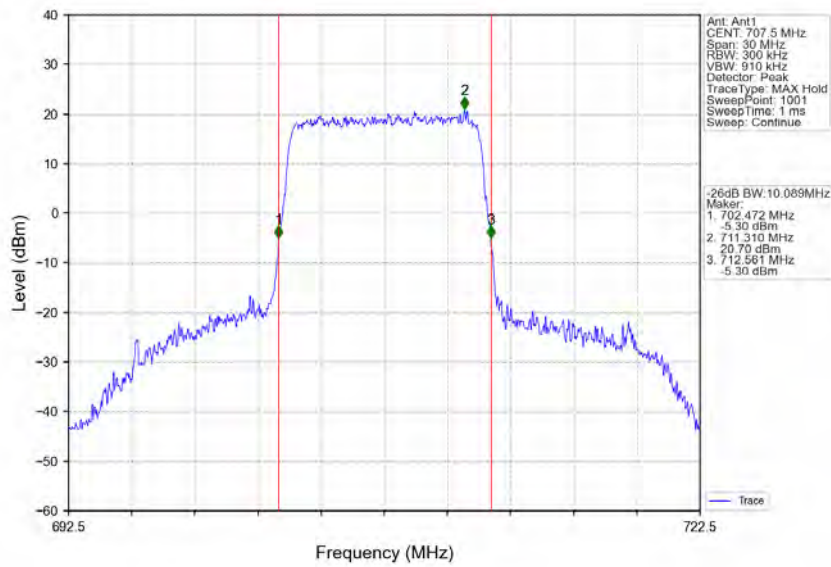
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



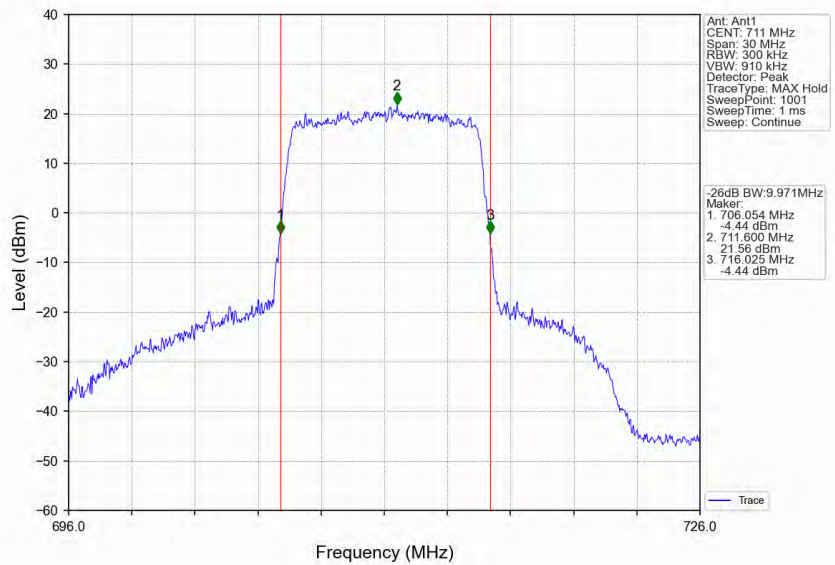
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



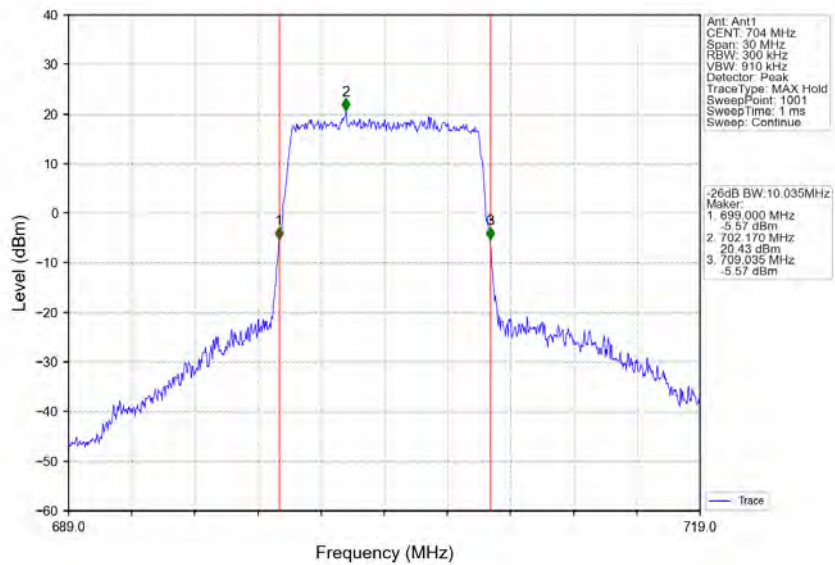
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



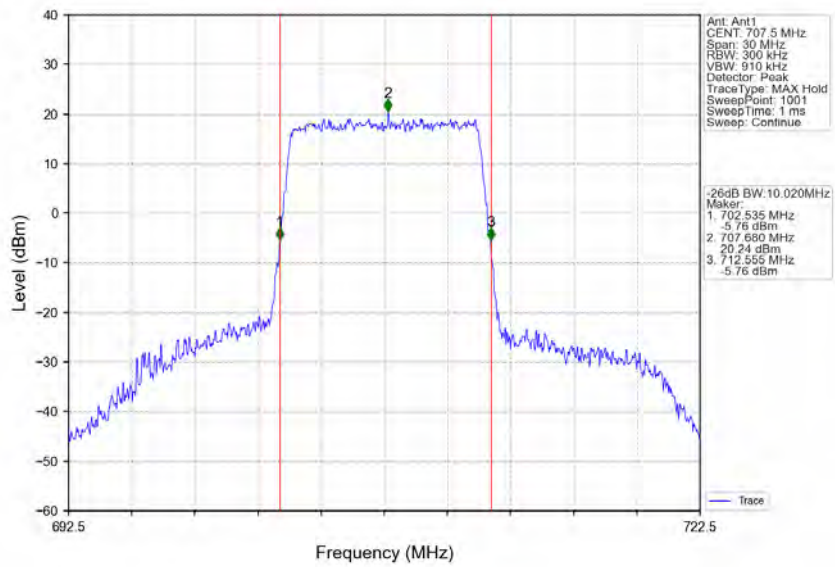
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



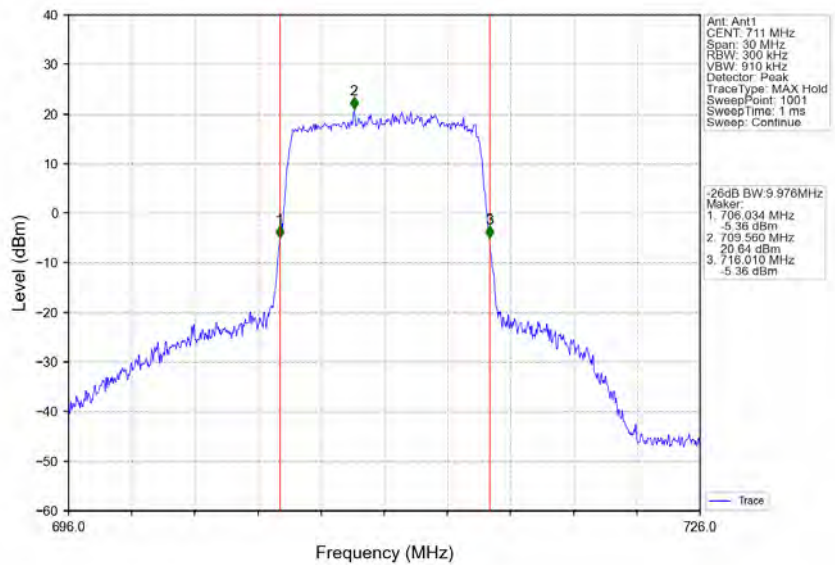
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



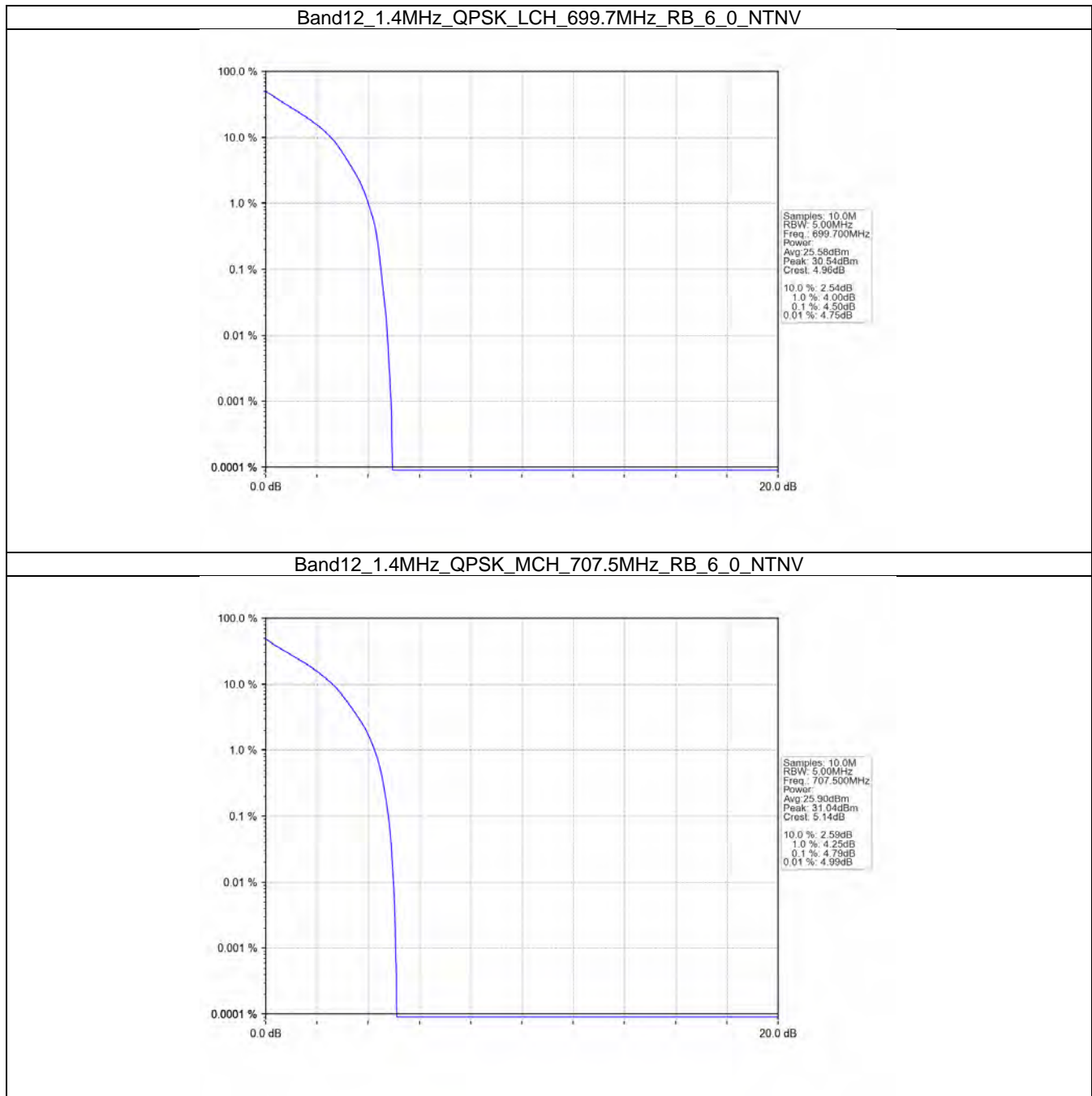
4. Peak-Average Ratio

4.1 B12_1.4MHz

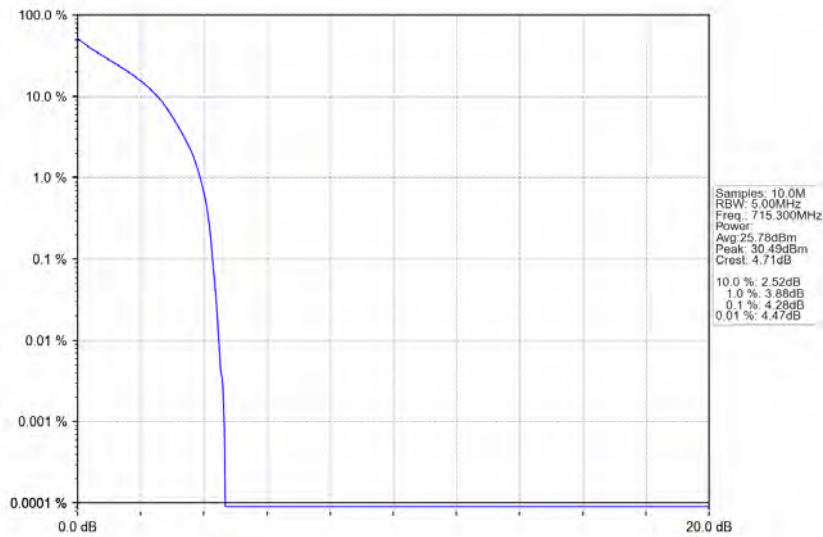
4.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	4.50	<=13	Pass
	707.5	6	0	4.79	<=13	Pass
	715.3	6	0	4.28	<=13	Pass
16QAM	699.7	6	0	5.33	<=13	Pass
	707.5	6	0	5.72	<=13	Pass
	715.3	6	0	5.20	<=13	Pass
64QAM	699.7	6	0	5.91	<=13	Pass
	707.5	6	0	6.35	<=13	Pass
	715.3	6	0	5.85	<=13	Pass

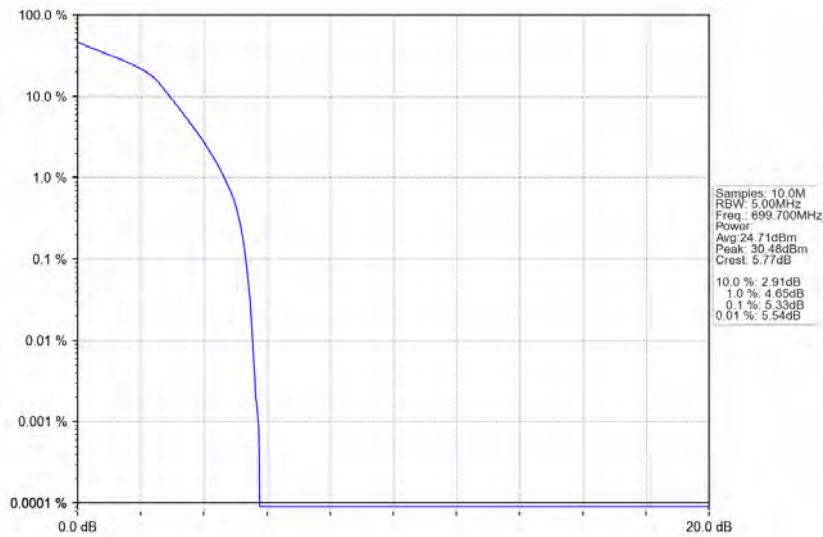
4.1.2 Test Graph



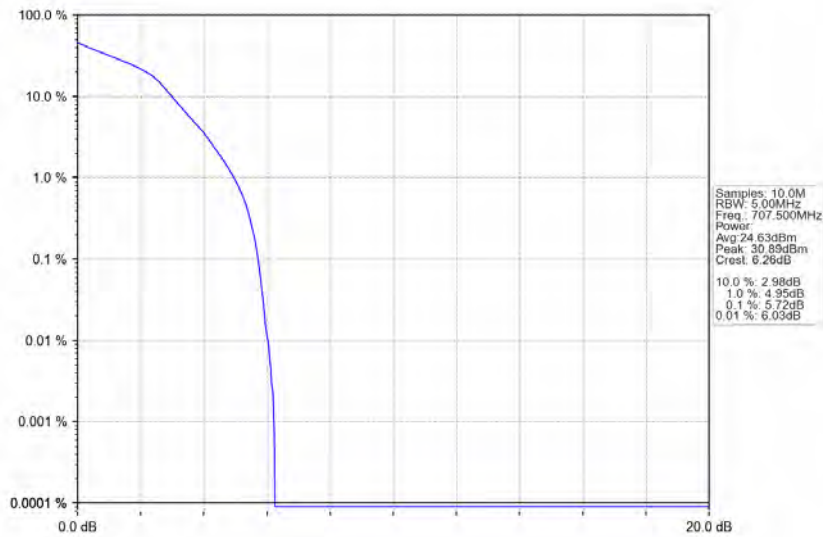
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



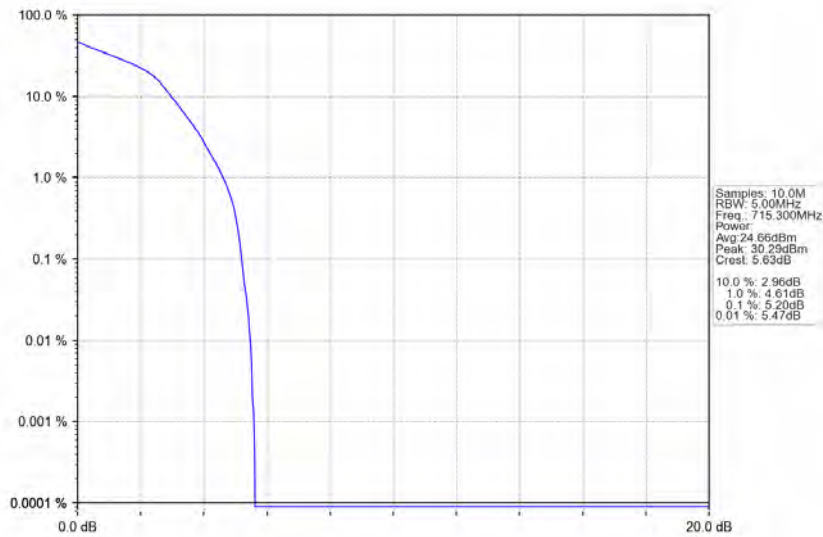
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



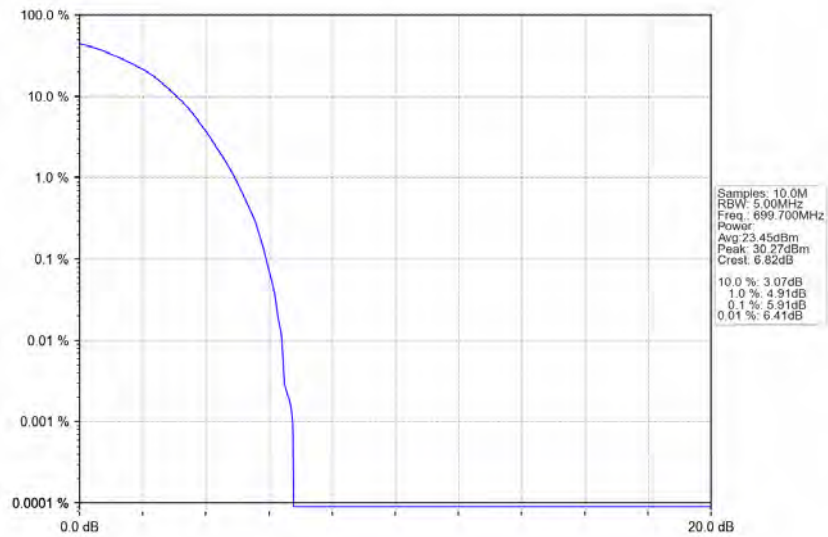
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



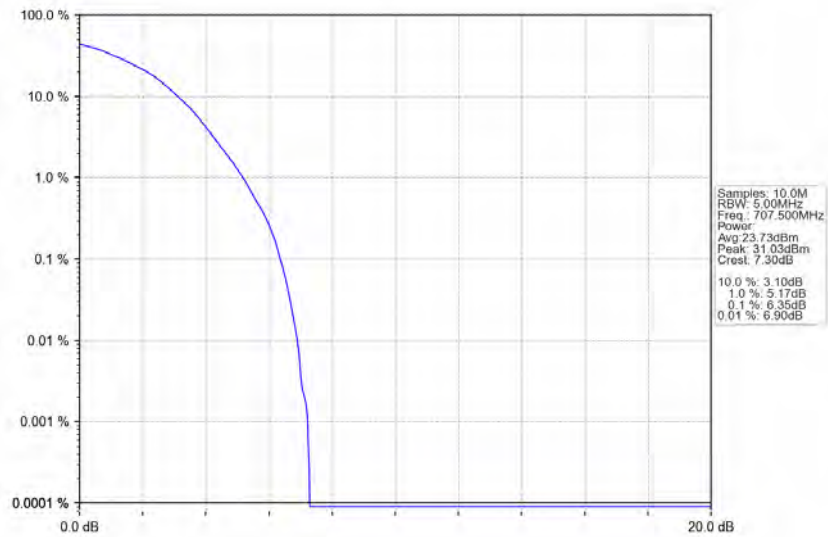
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



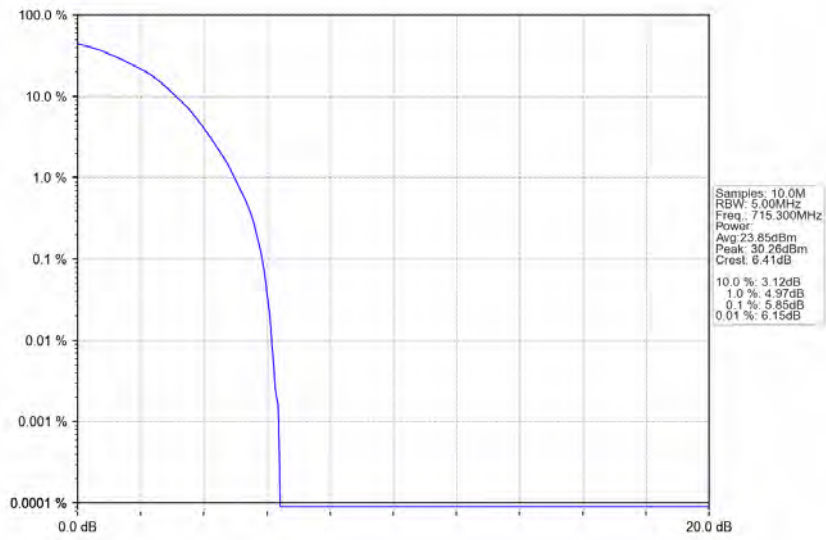
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV

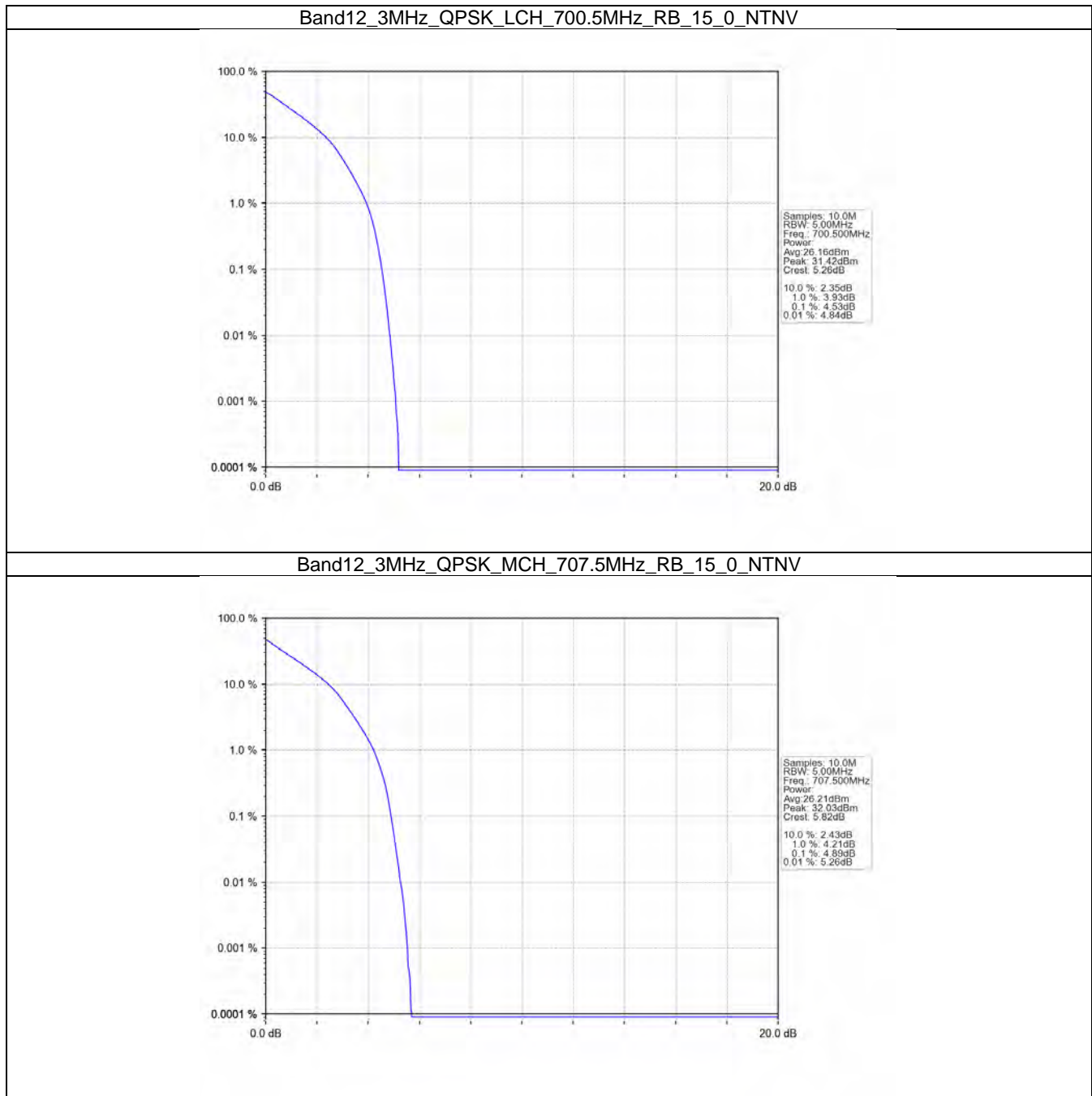


4.2 B12_3MHz

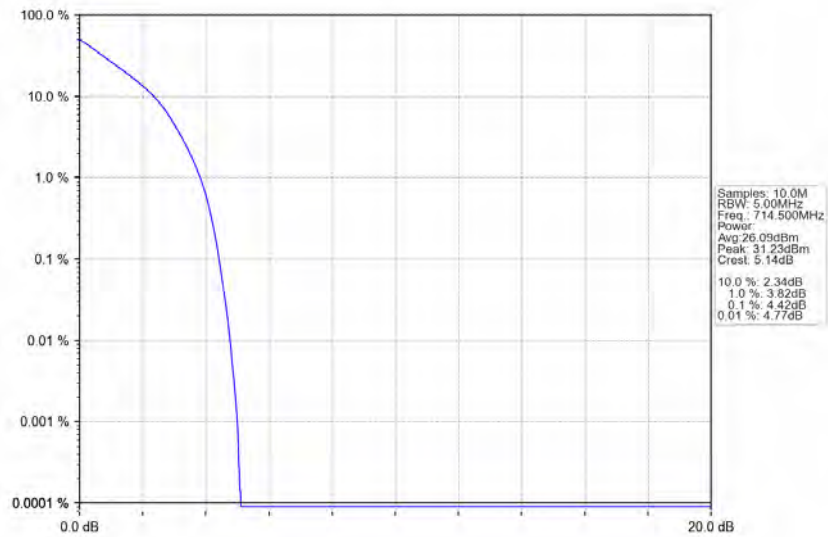
4.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	4.53	<=13	Pass
	707.5	15	0	4.89	<=13	Pass
	714.5	15	0	4.42	<=13	Pass
16QAM	700.5	15	0	5.35	<=13	Pass
	707.5	15	0	5.74	<=13	Pass
	714.5	15	0	5.24	<=13	Pass
64QAM	700.5	15	0	5.94	<=13	Pass
	707.5	15	0	6.36	<=13	Pass
	714.5	15	0	5.91	<=13	Pass

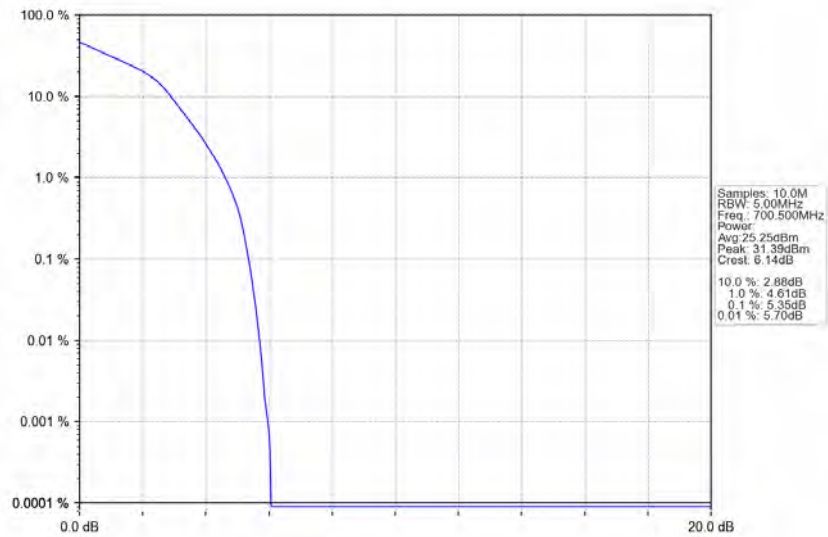
4.2.2 Test Graph



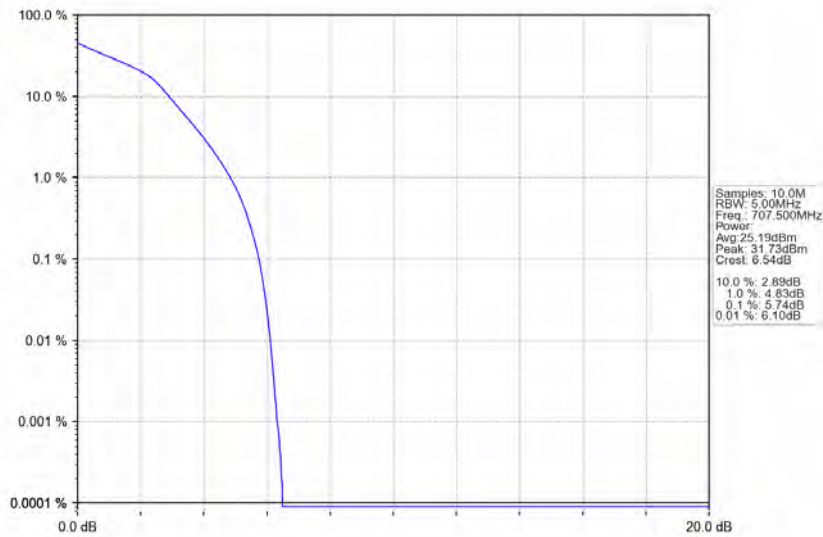
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



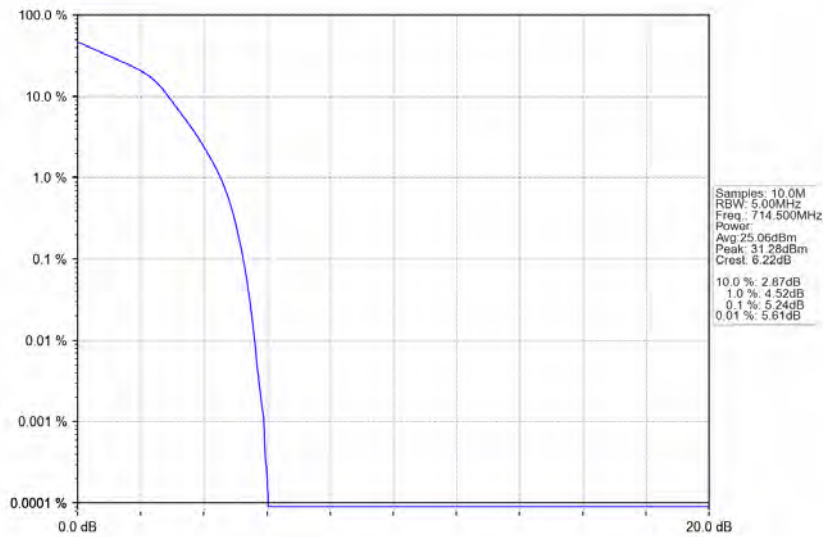
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



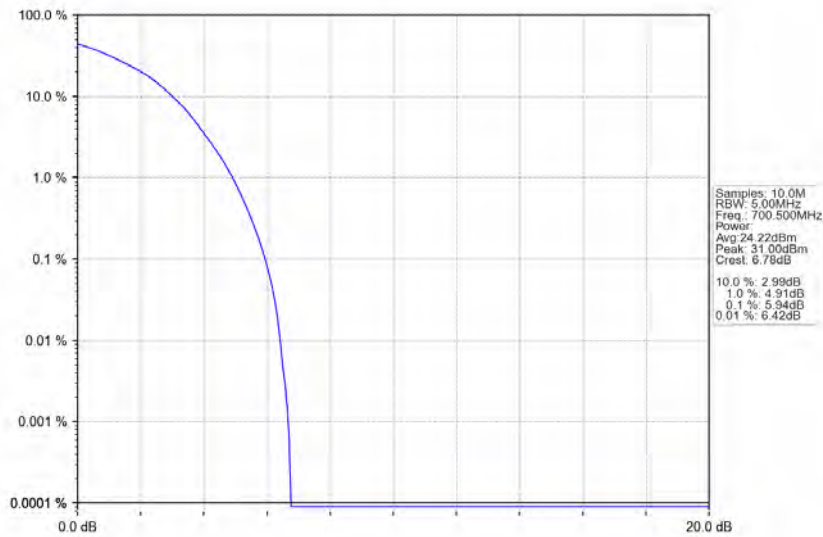
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



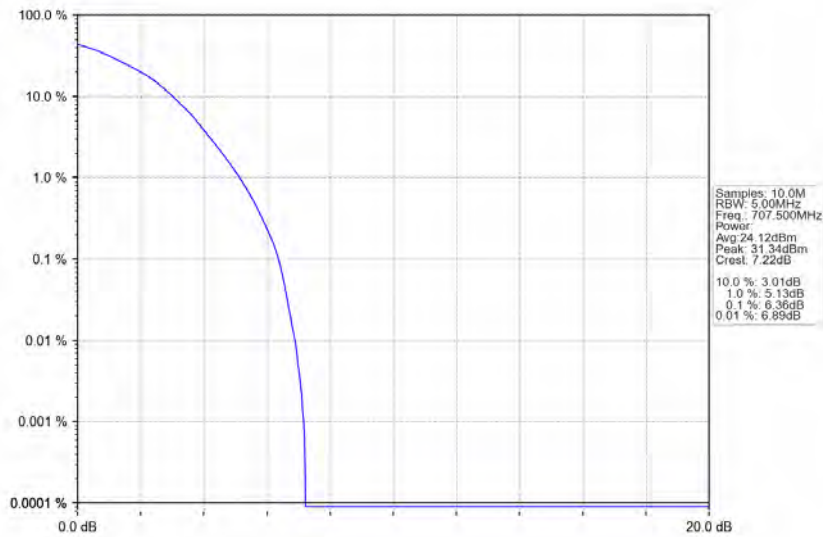
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



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

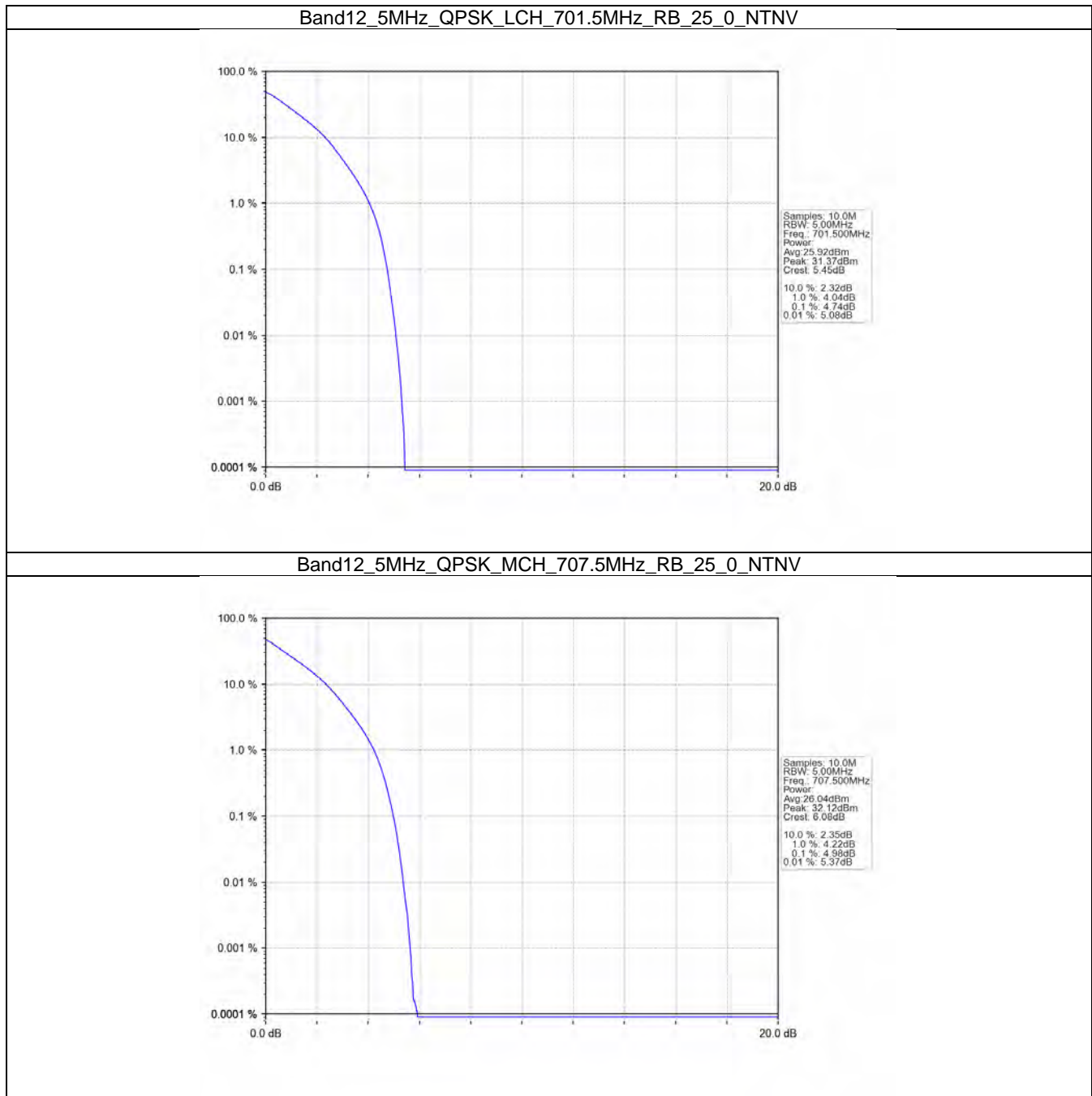


4.3 B12_5MHz

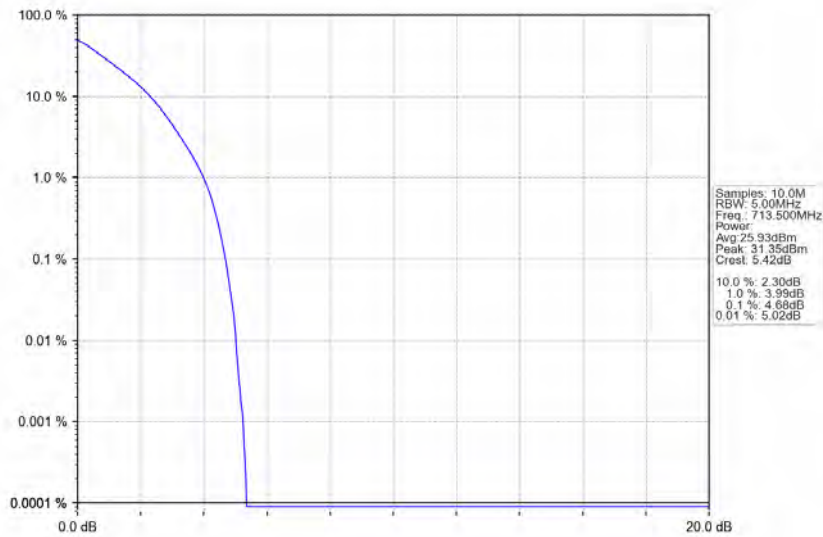
4.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	4.74	<=13	Pass
	707.5	25	0	4.98	<=13	Pass
	713.5	25	0	4.68	<=13	Pass
16QAM	701.5	25	0	5.56	<=13	Pass
	707.5	25	0	5.81	<=13	Pass
	713.5	25	0	5.49	<=13	Pass
64QAM	701.5	25	0	6.12	<=13	Pass
	707.5	25	0	6.32	<=13	Pass
	713.5	25	0	6.05	<=13	Pass

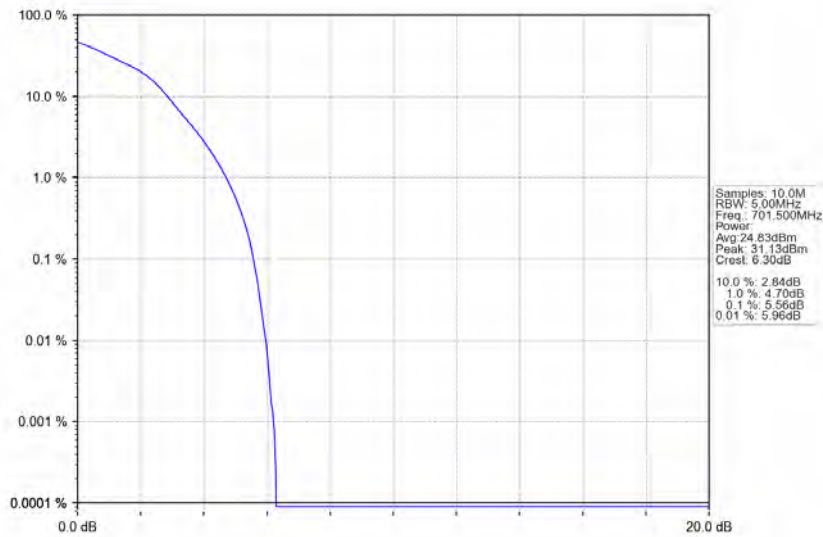
4.3.2 Test Graph



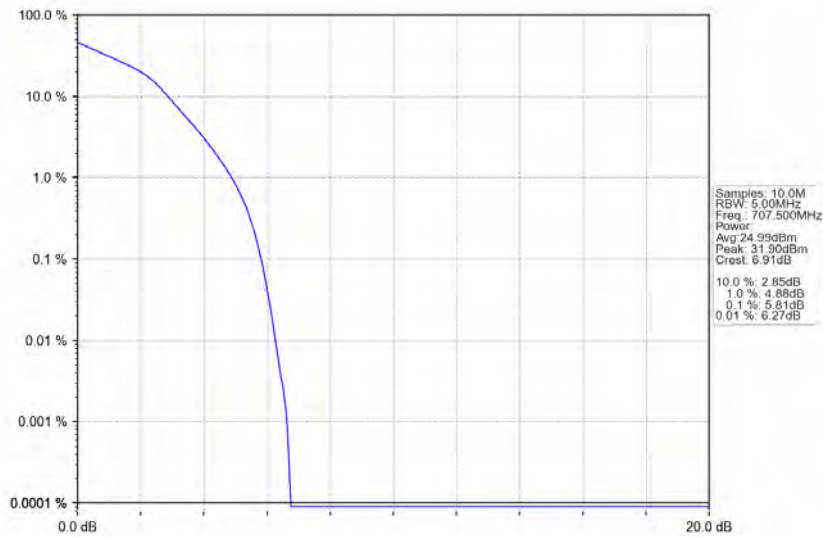
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



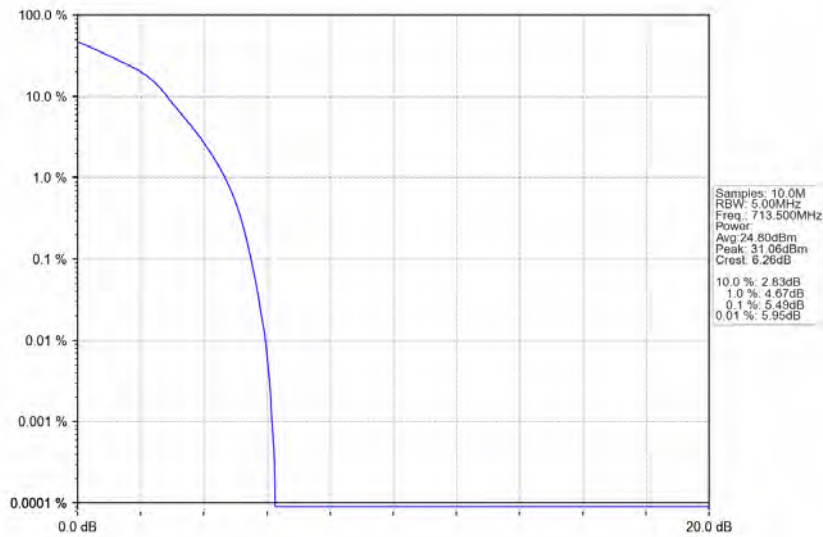
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



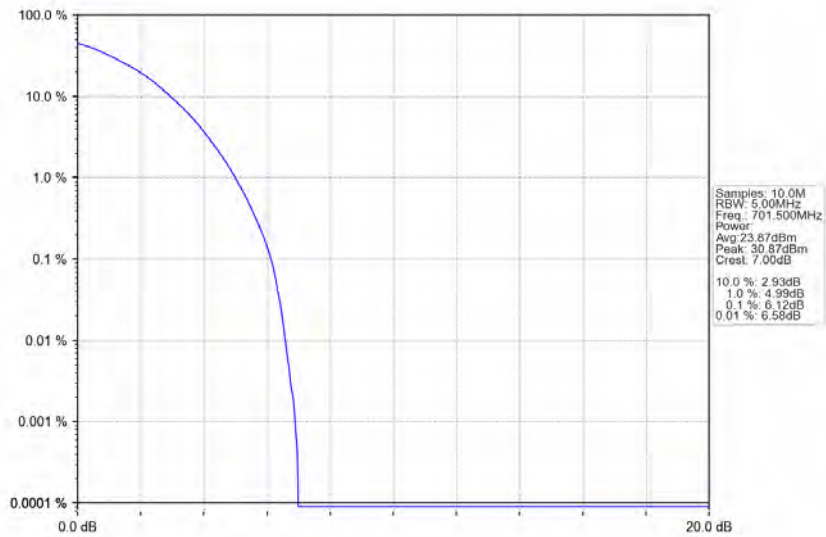
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



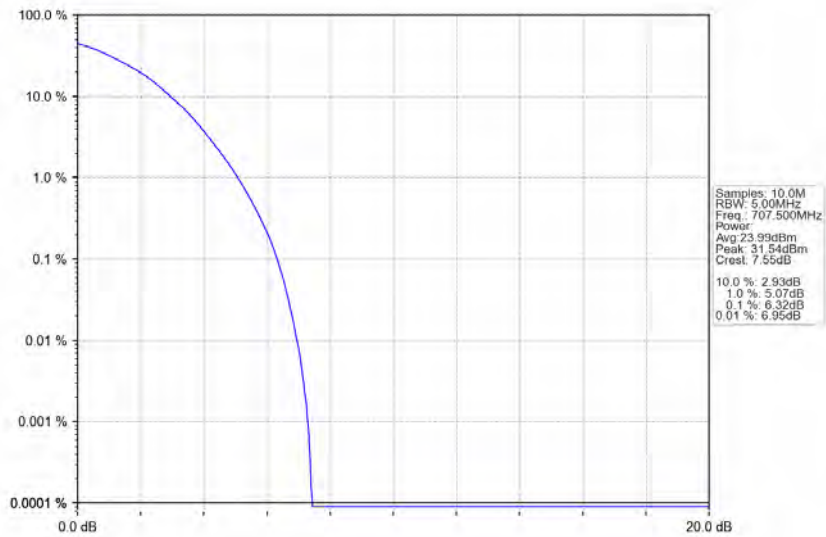
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



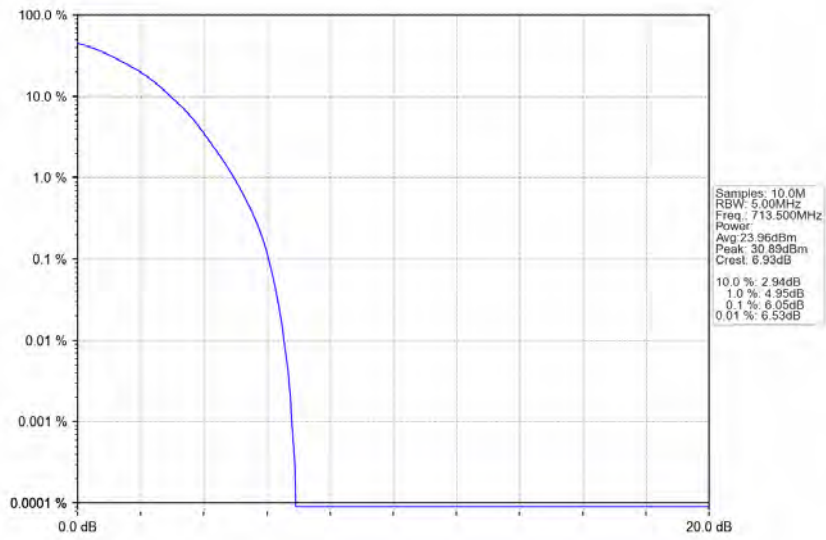
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV

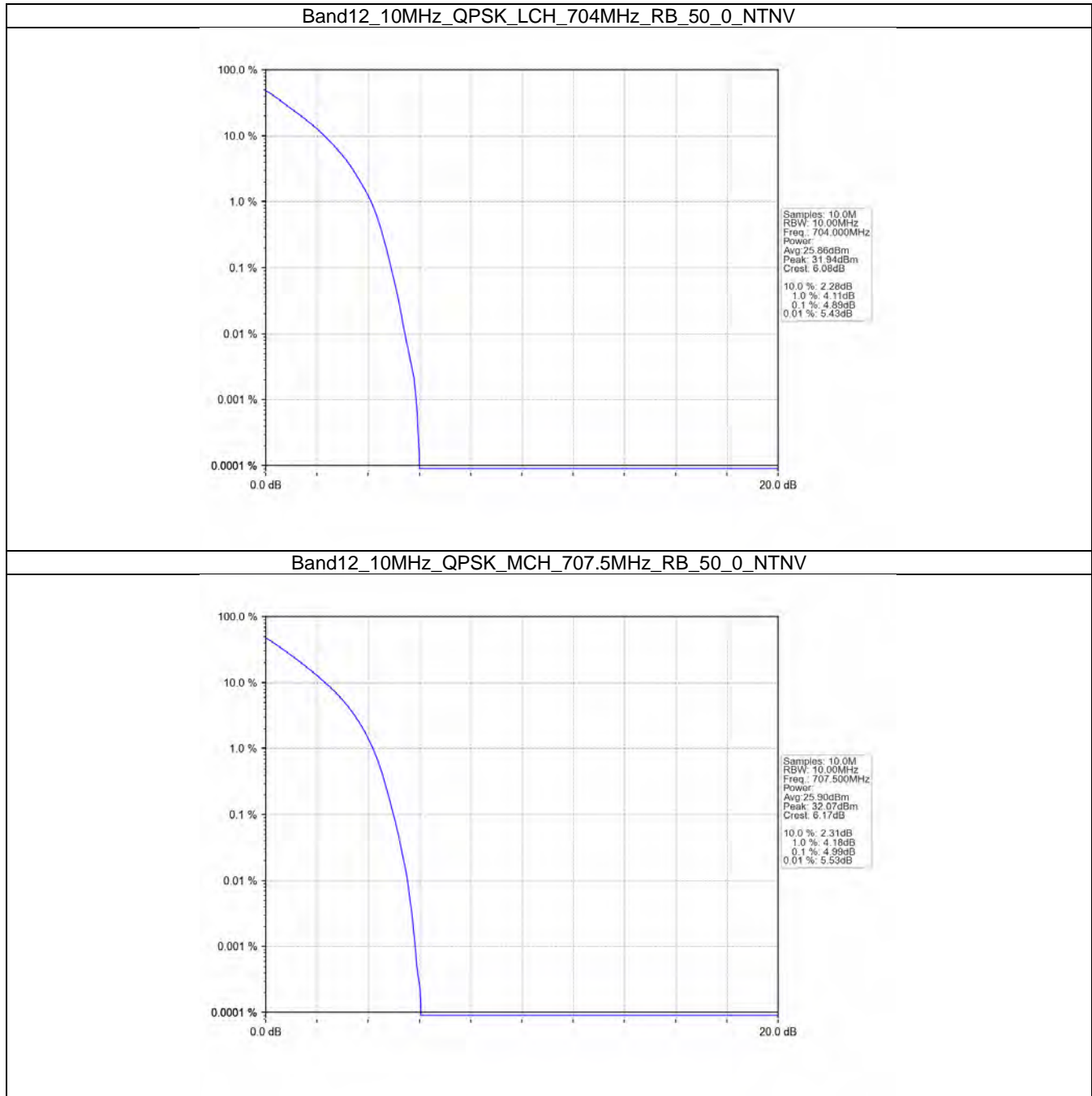


4.4 B12_10MHz

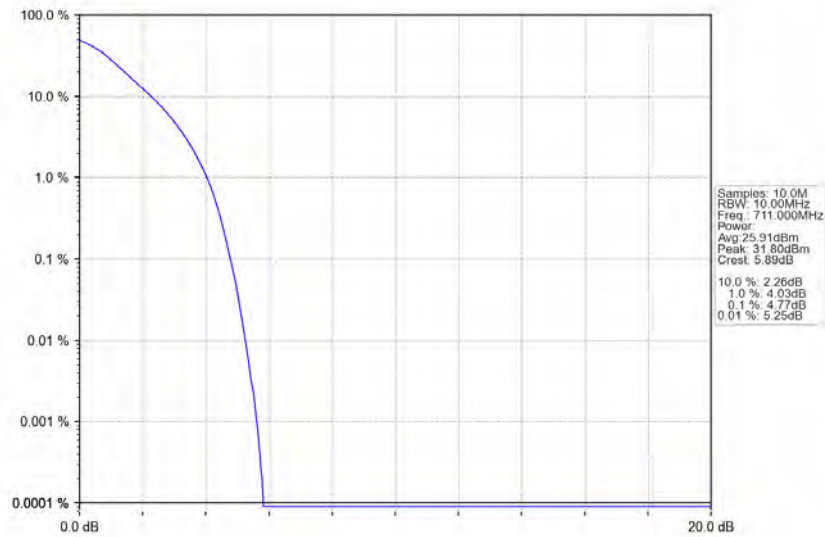
4.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	4.89	<=13	Pass
	707.5	50	0	4.99	<=13	Pass
	711	50	0	4.77	<=13	Pass
16QAM	704	50	0	5.71	<=13	Pass
	707.5	50	0	5.82	<=13	Pass
	711	50	0	5.63	<=13	Pass
64QAM	704	50	0	6.20	<=13	Pass
	707.5	50	0	6.29	<=13	Pass
	711	50	0	6.12	<=13	Pass

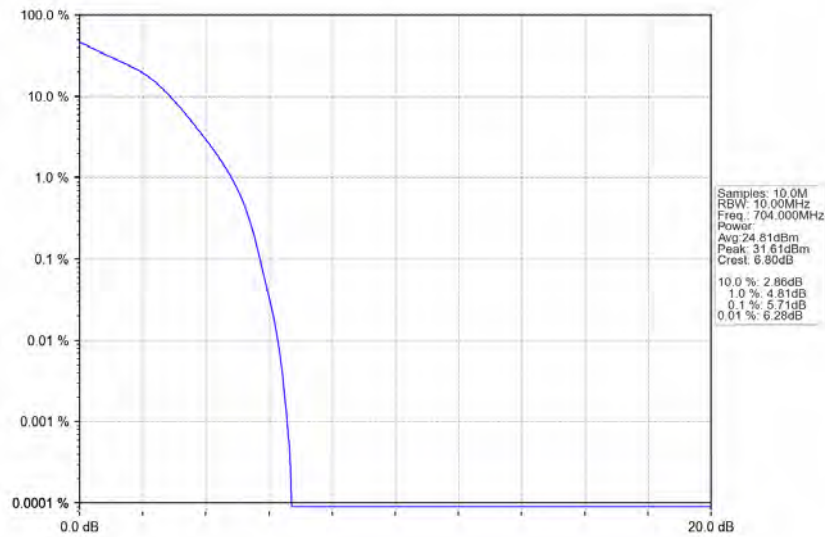
4.4.2 Test Graph



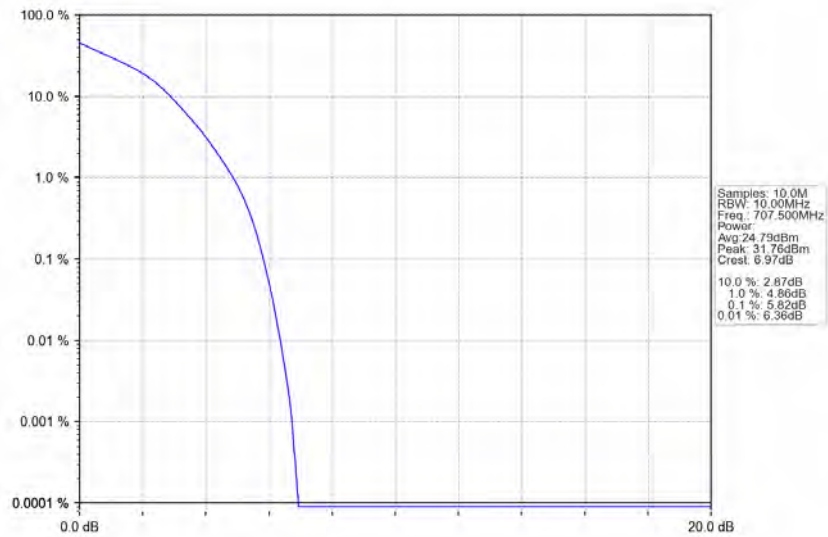
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



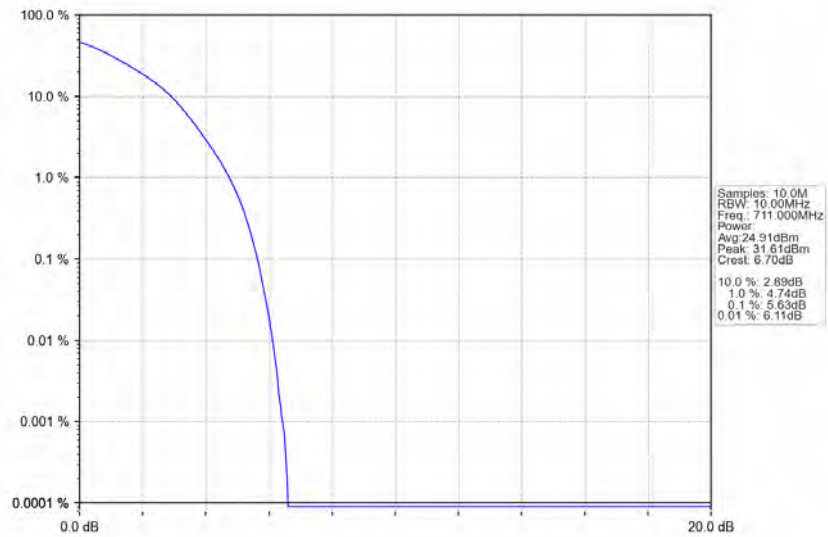
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



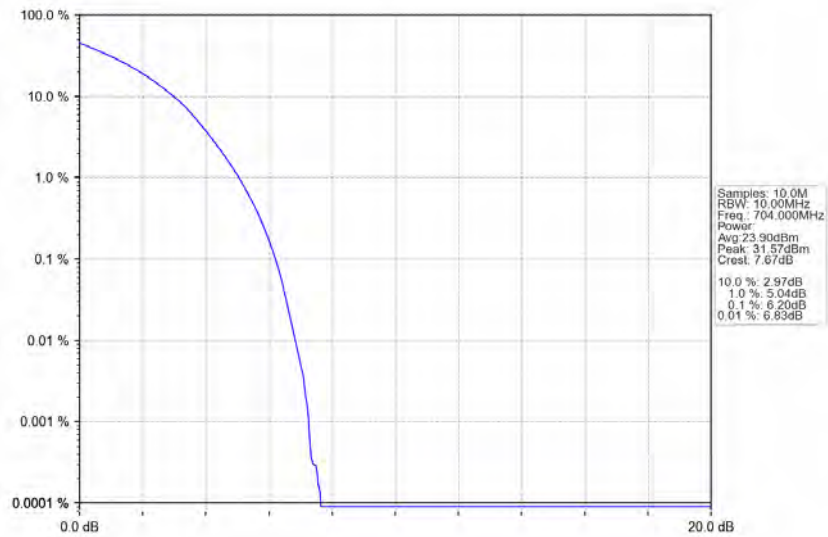
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



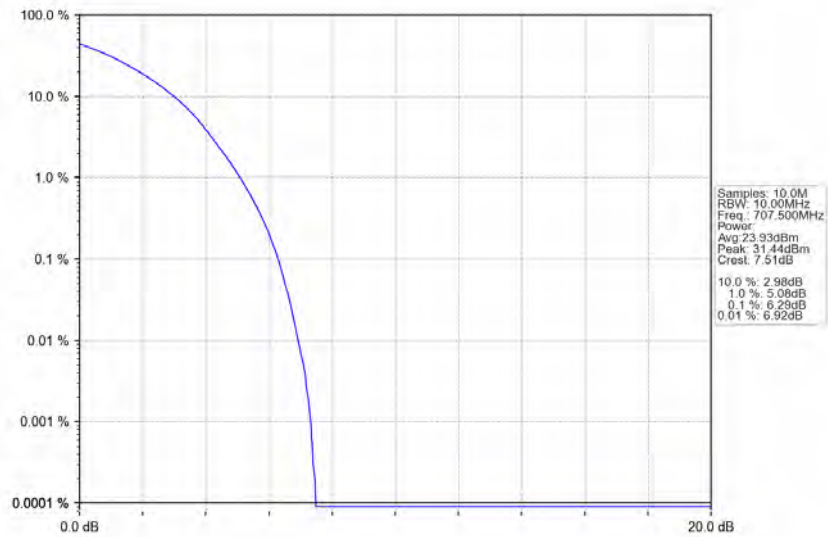
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



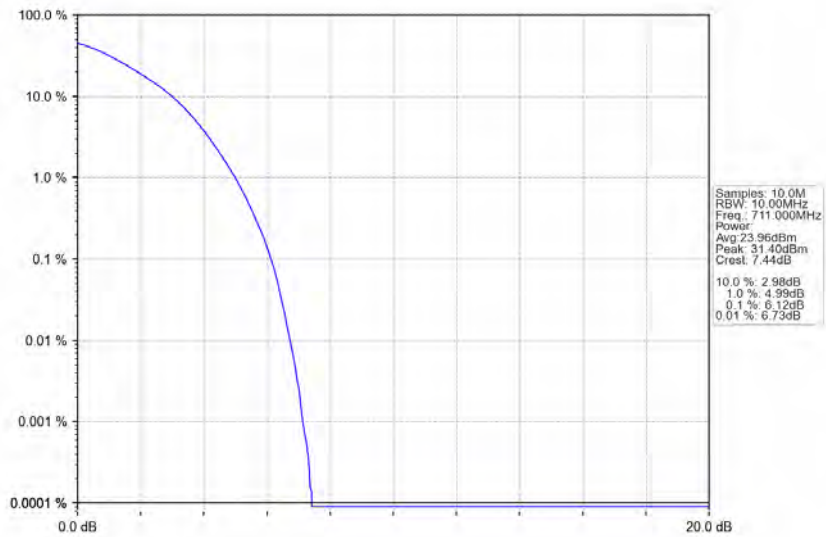
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



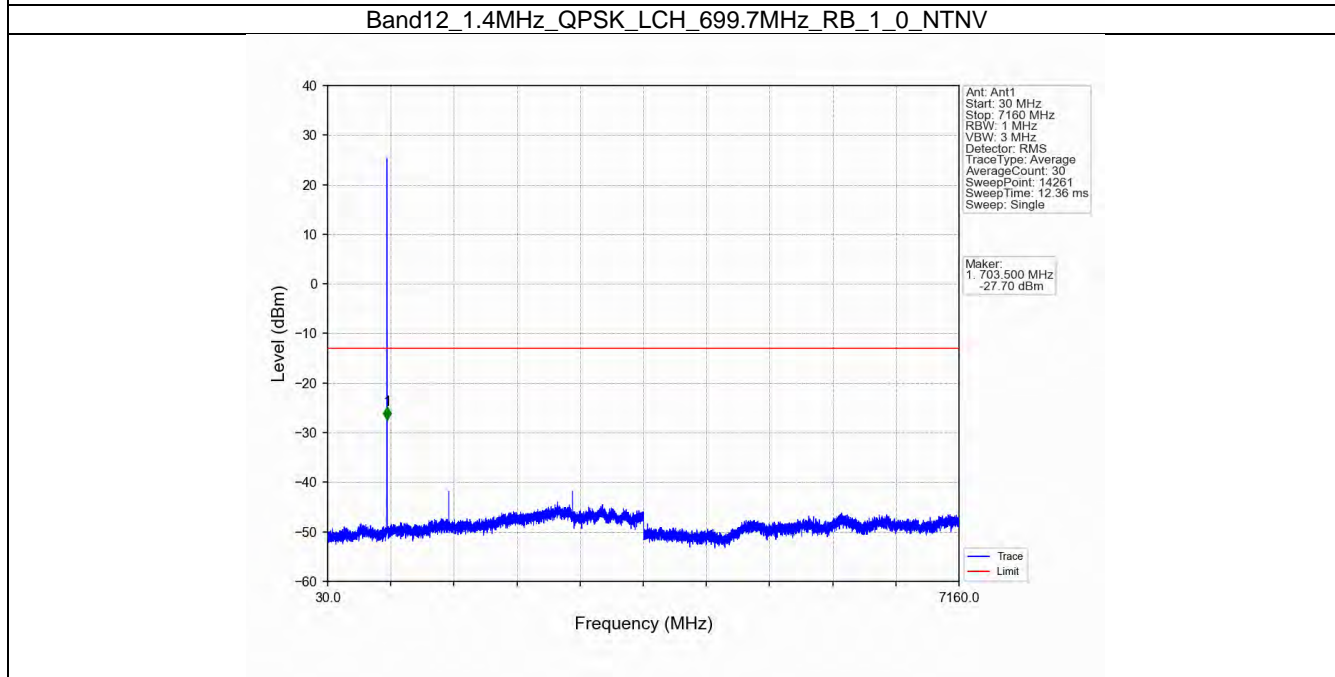
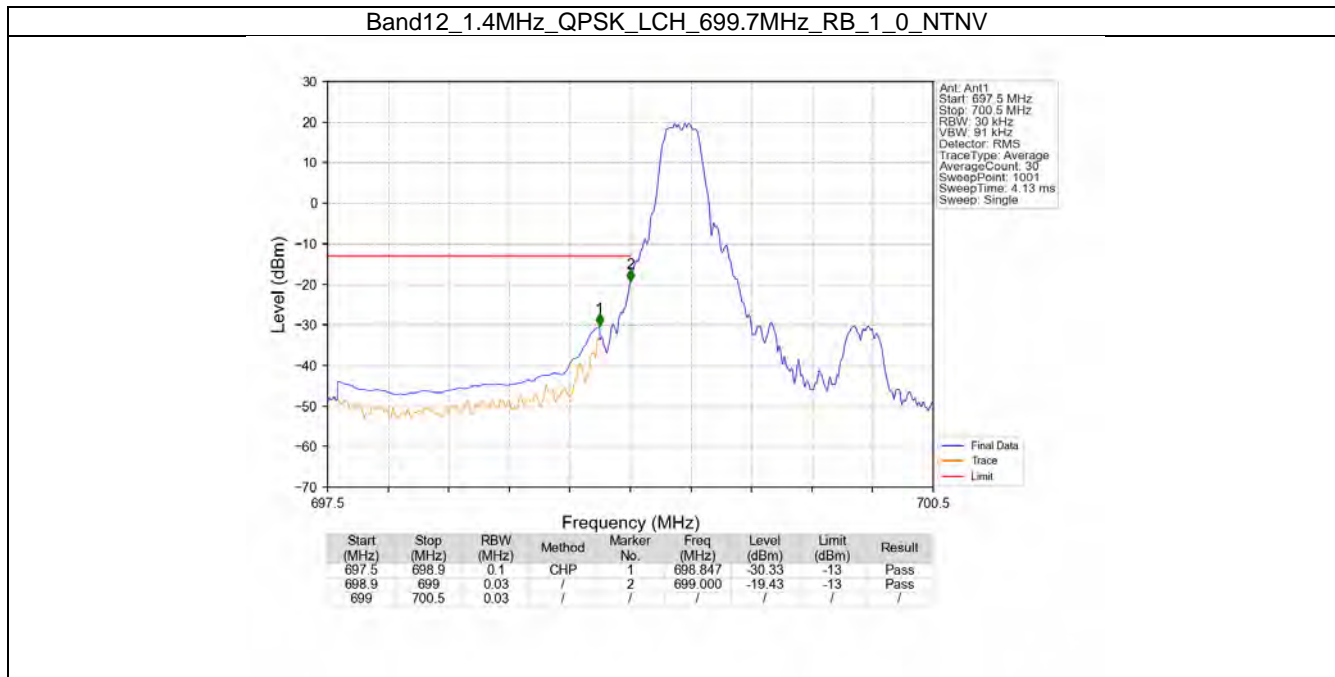
5. Spurious Emission

5.1 B12_1.4MHz

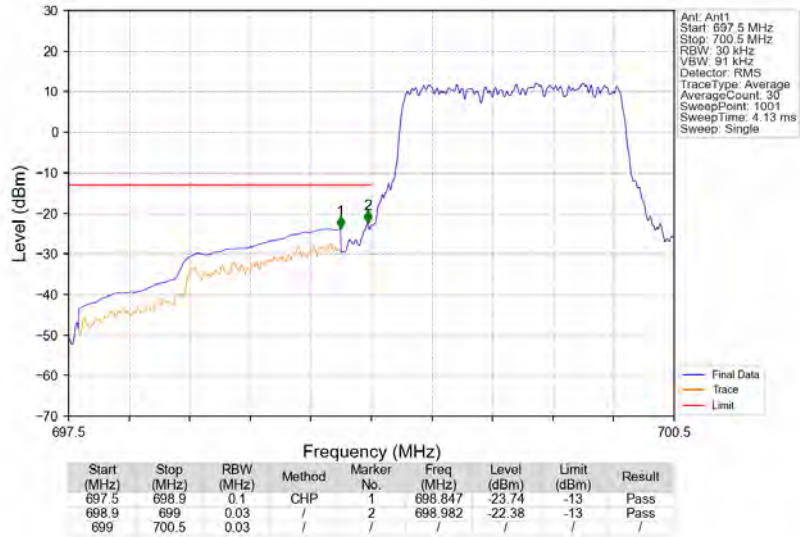
5.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTN						
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
	715.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
		6	0	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
	715.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
		6	0	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
	715.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

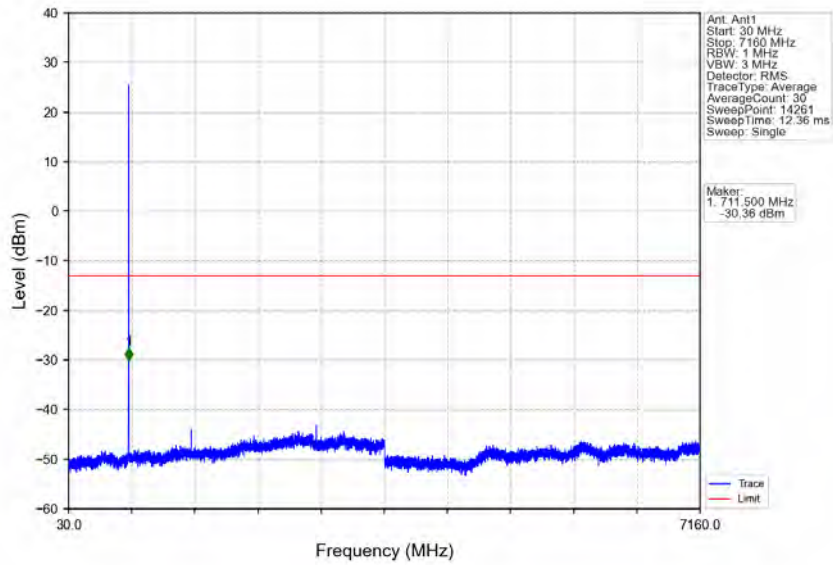
5.1.2 Test Graph



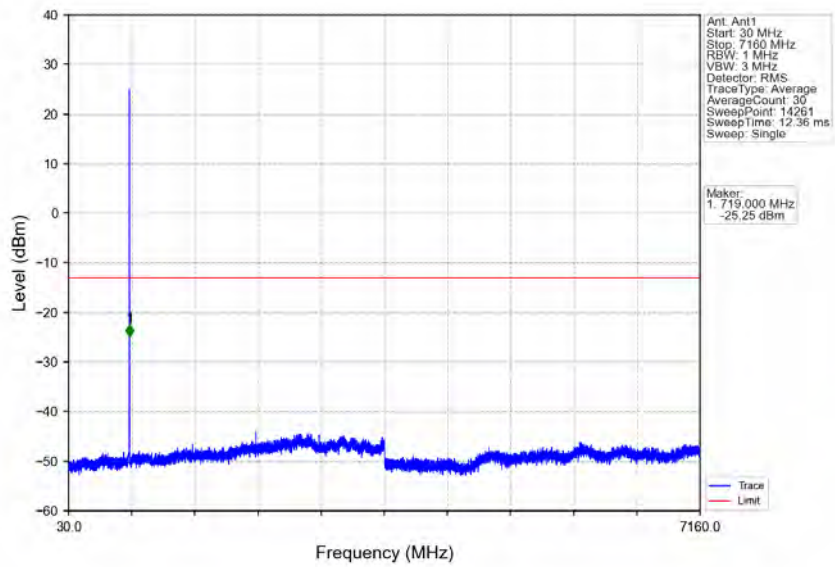
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTV



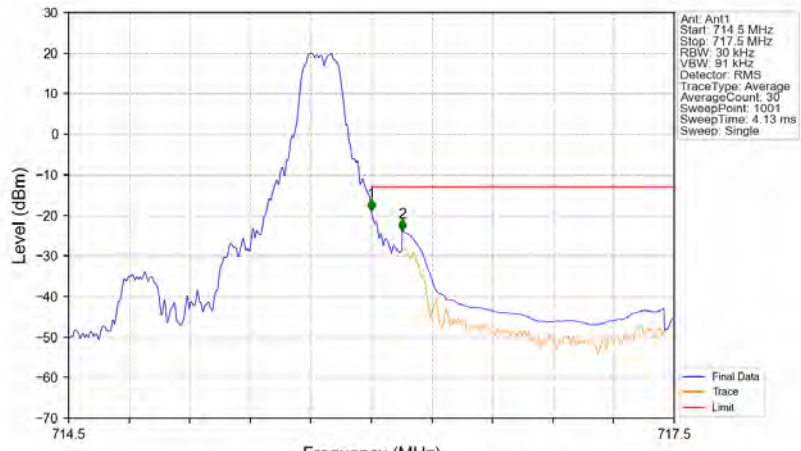
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTV

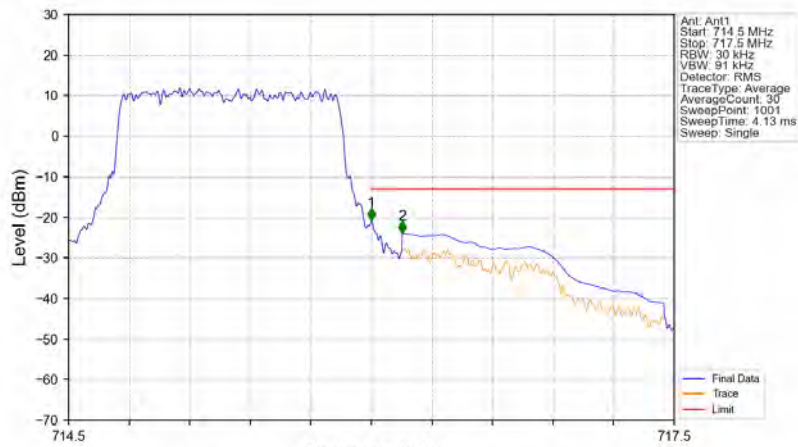


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTV



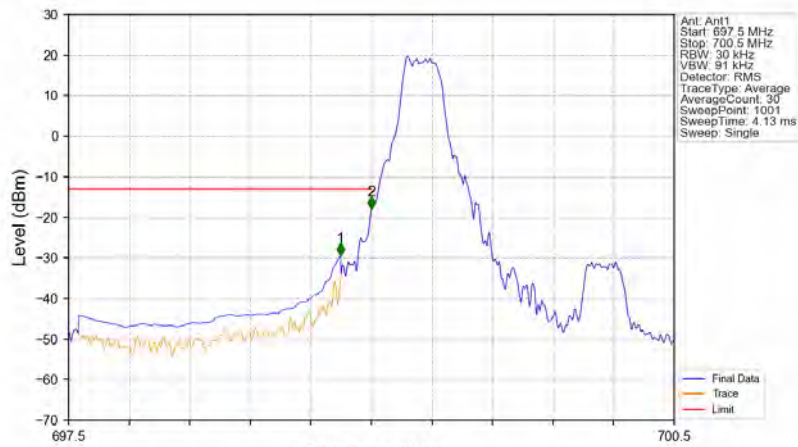
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-19.06	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-24.00	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



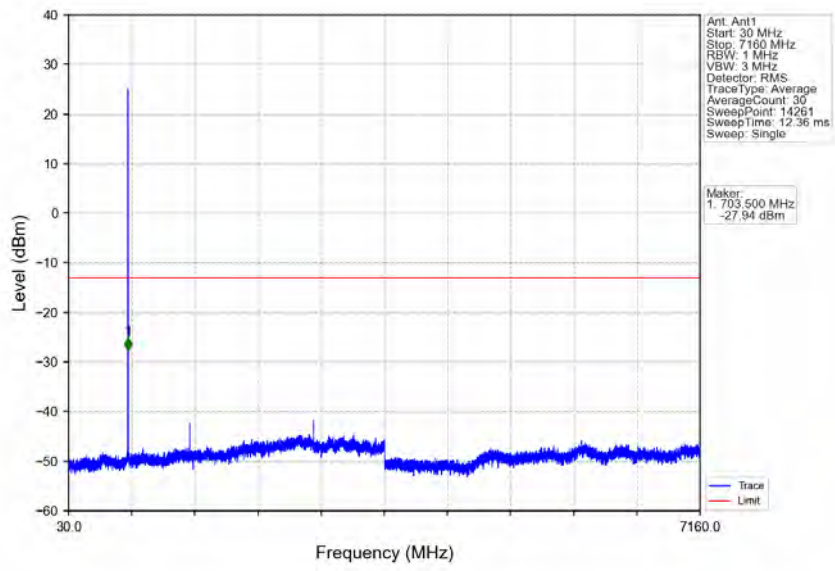
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-20.87	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-23.93	-13	Pass

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

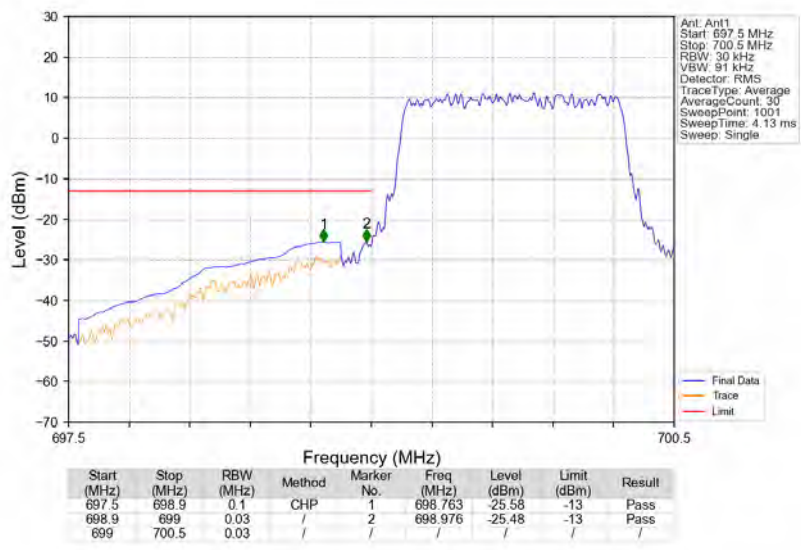


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	CHP	1	698.847	-29.42	-13	Pass
698.9	699	0.03	/	2	699.000	-17.92	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

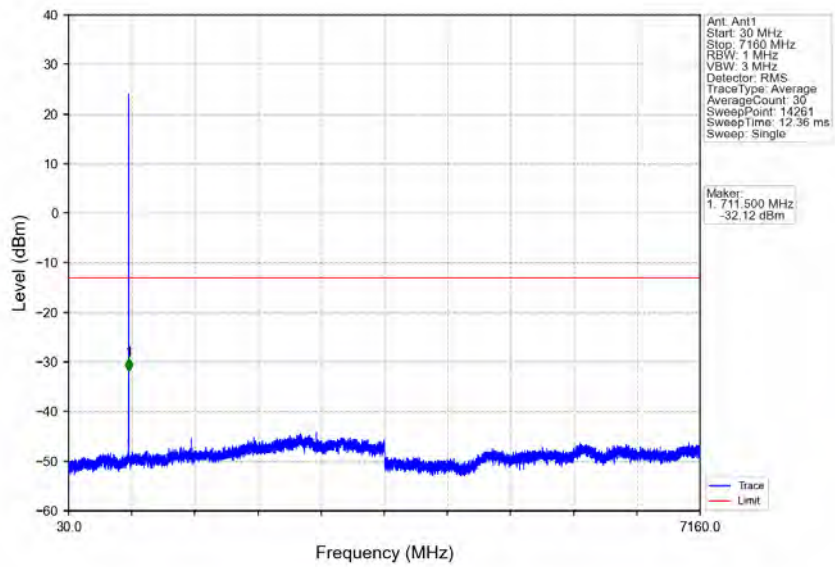
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



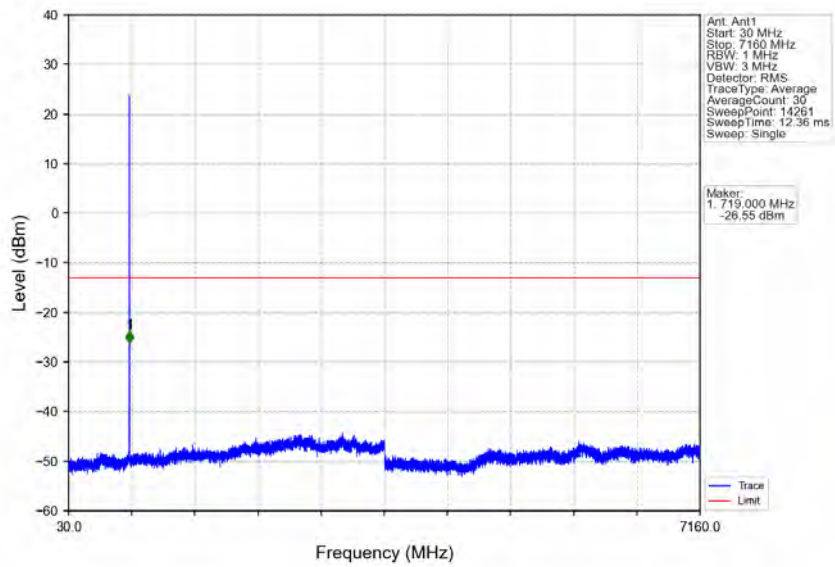
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



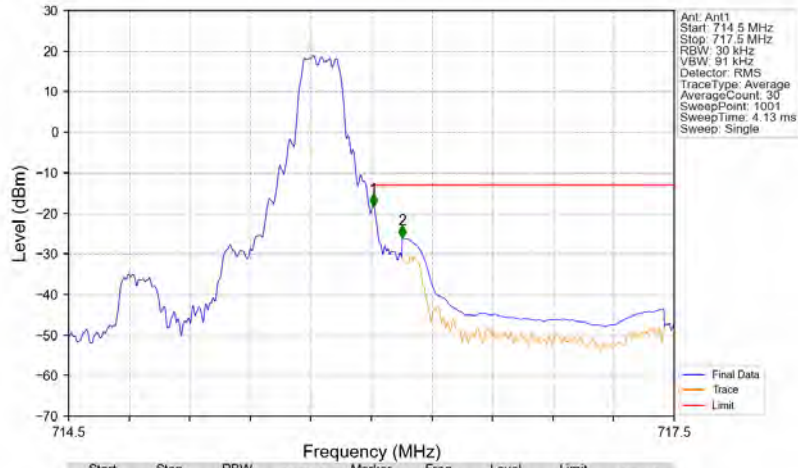
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

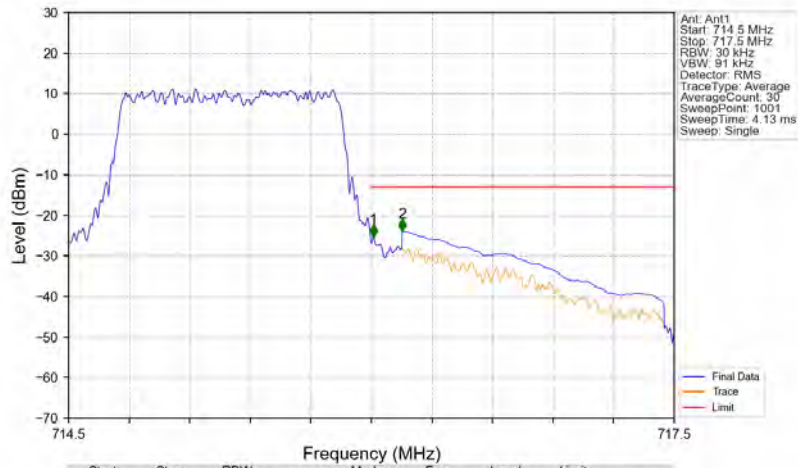


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV



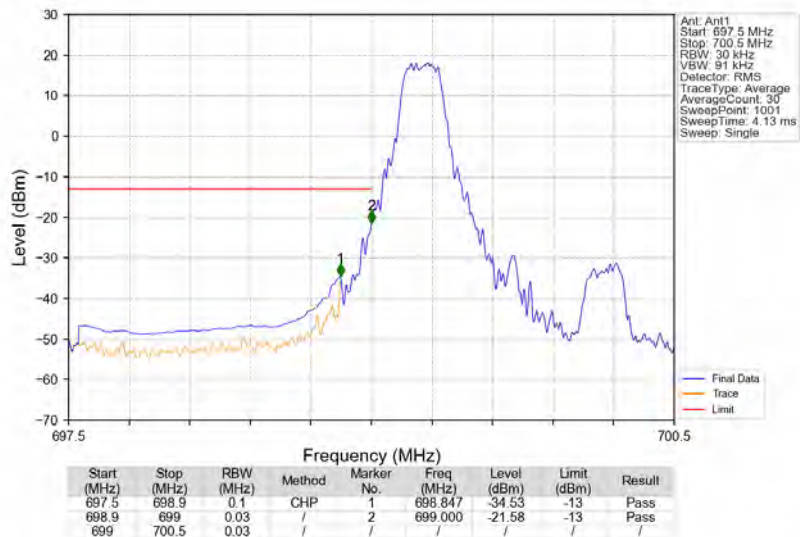
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.009	-18.27	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-26.09	-13	Pass

Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV

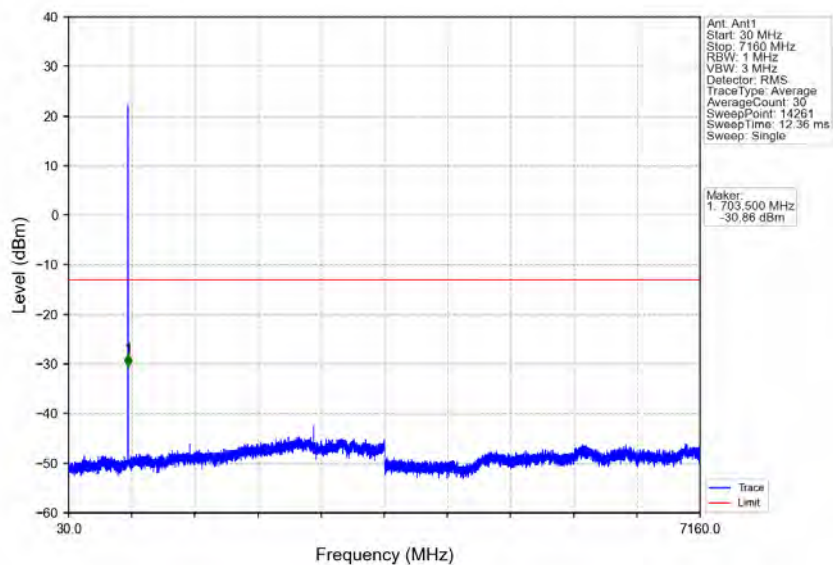


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.009	-25.43	-13	Pass
716.1	717.5	0.1	CHP	2	716.153	-23.93	-13	Pass

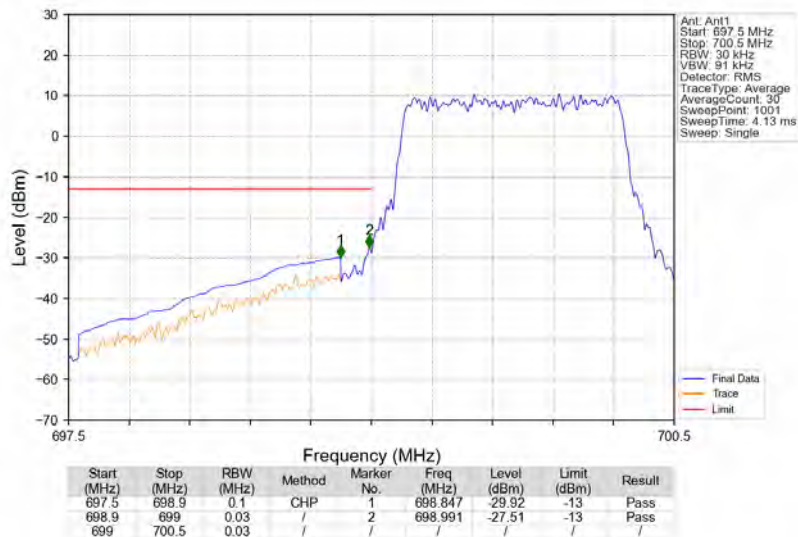
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_1_0_NTNV



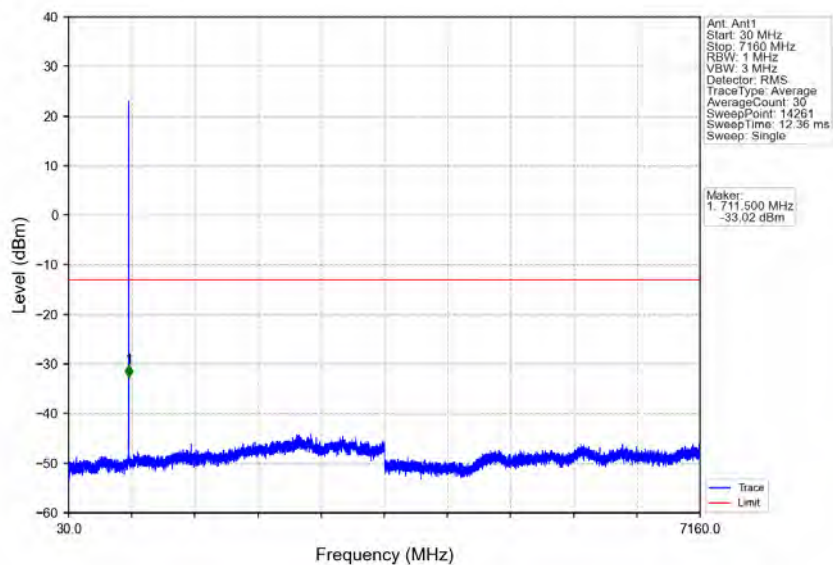
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_1_0_NTNV



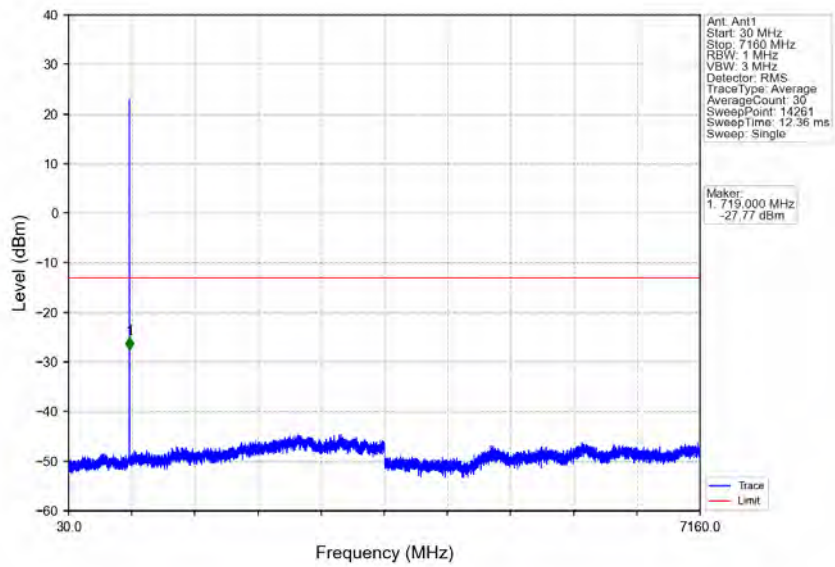
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



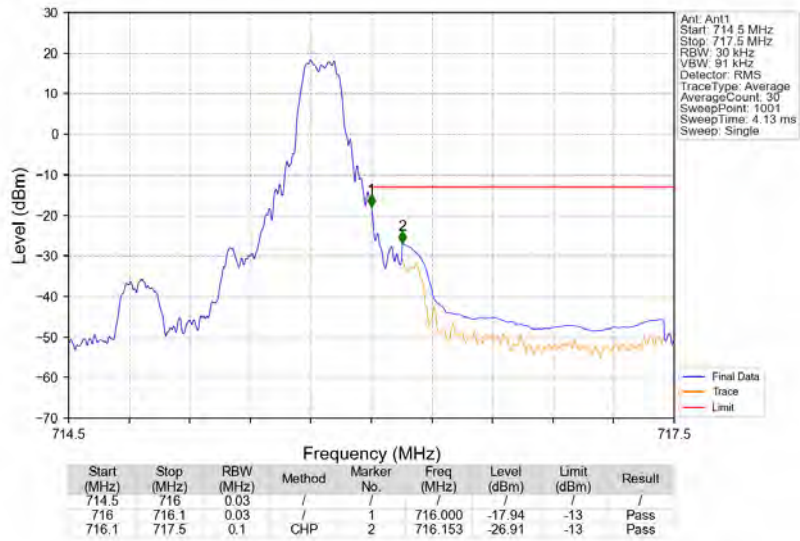
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_1_0_NTNV



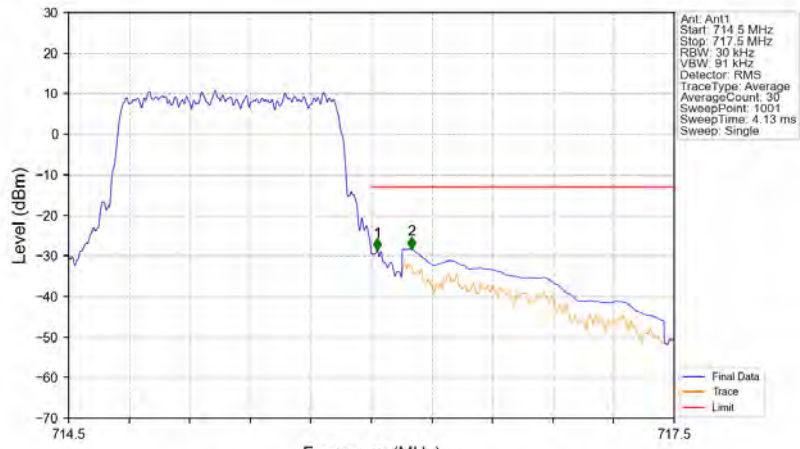
Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_1_0_NTNV



Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_1_5_NTNV



Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



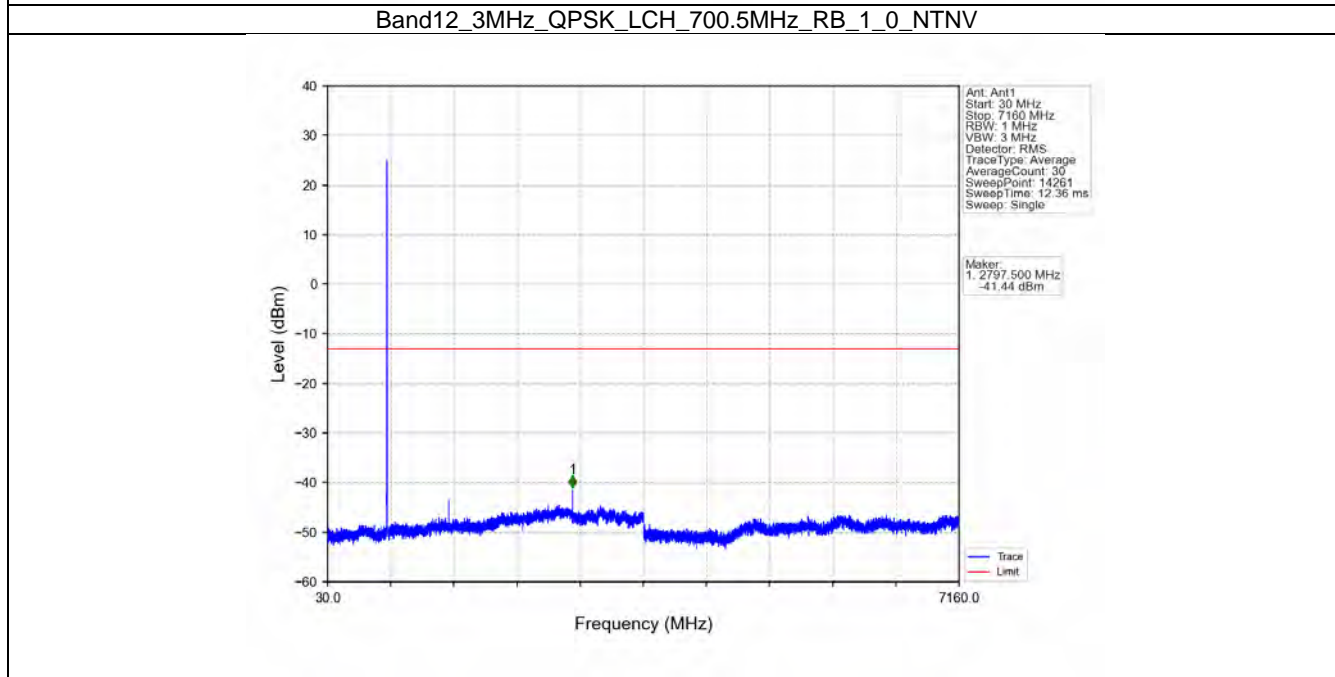
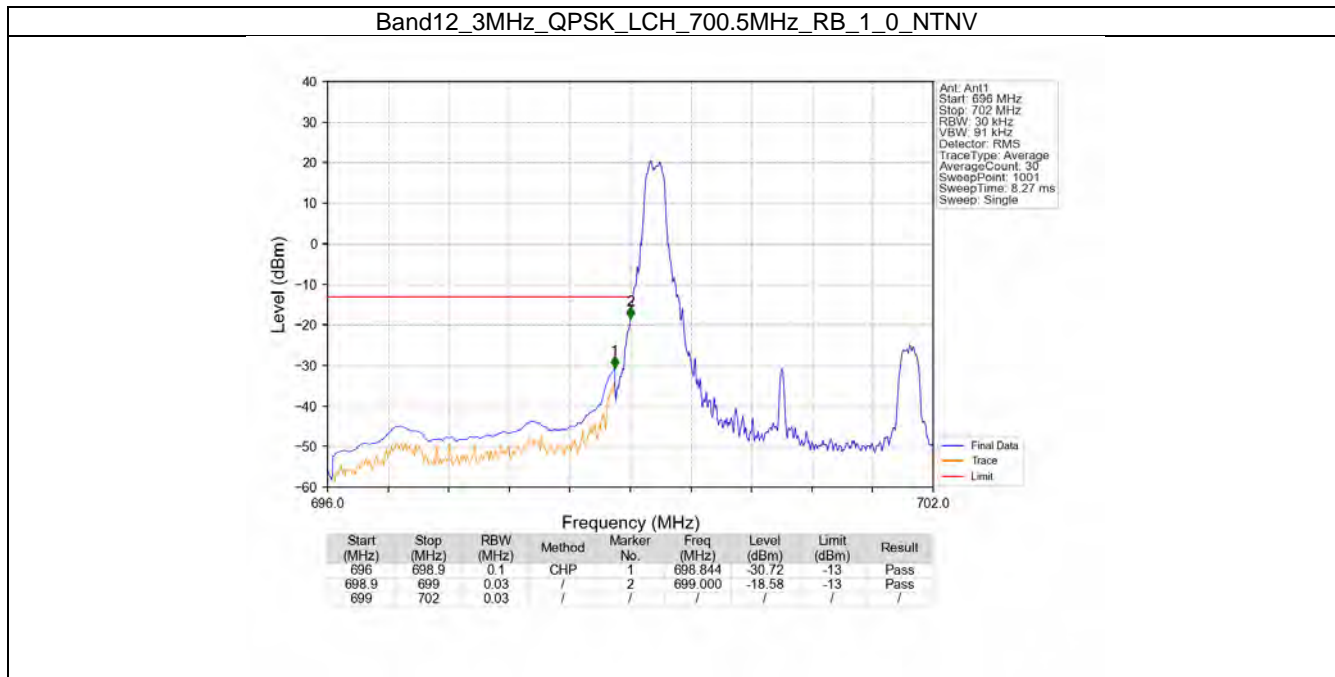
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-28.73	-13	Pass
716.1	717.5	0.1	CHP	2	716.198	-28.31	-13	Pass

5.2 B12_3MHz

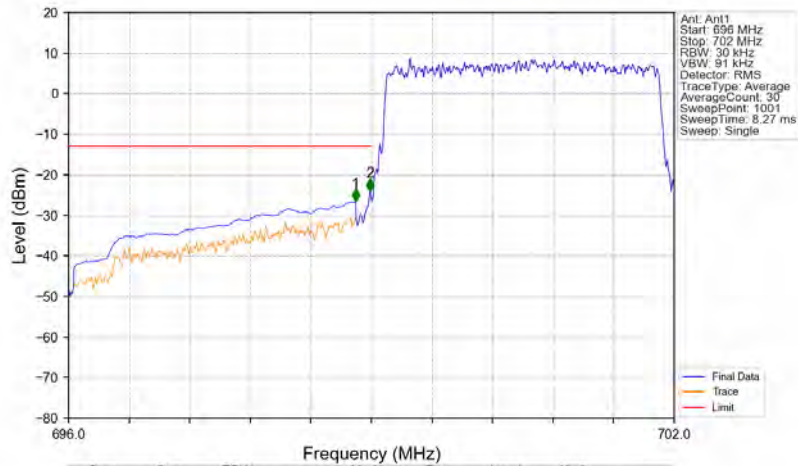
5.2.1 Test Result

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

5.2.2 Test Graph

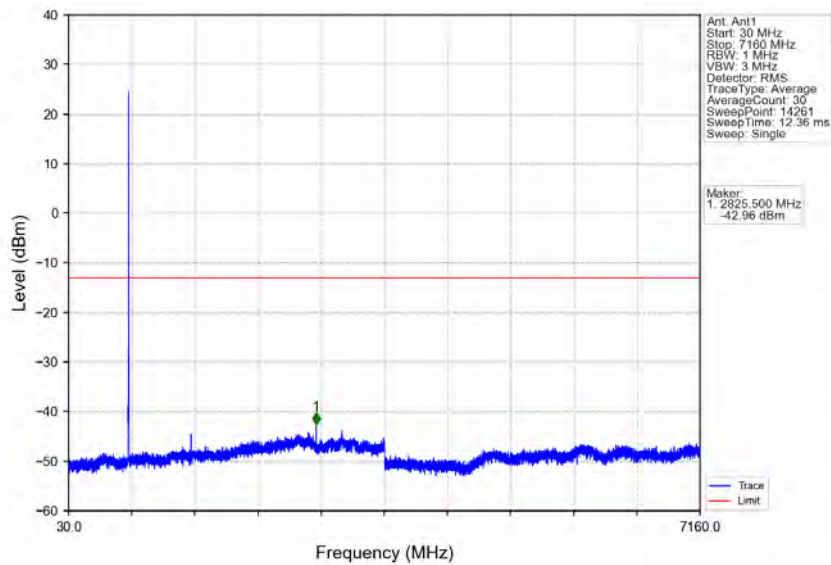


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

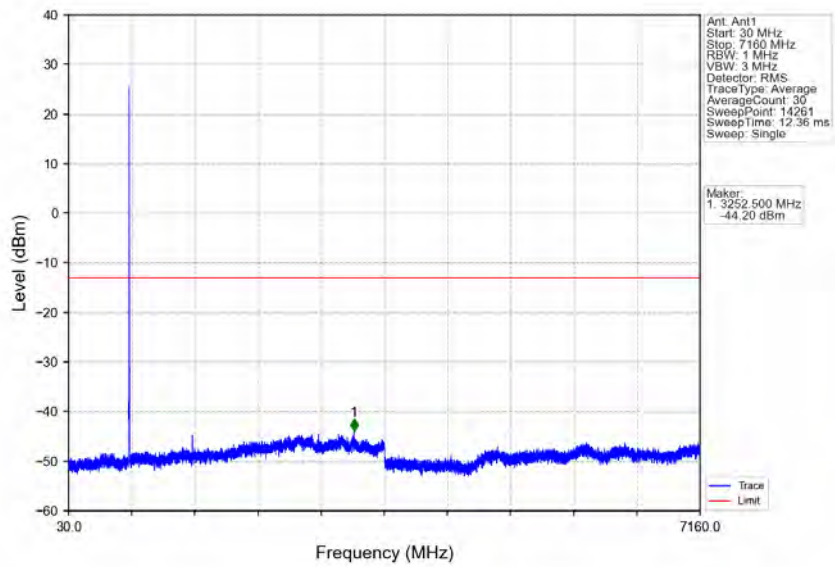


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	696.9	0.1	CHP	1	698.844	-26.52	-13	Pass
698.9	699	0.03	/	2	698.988	-24.00	-13	Pass
699	702	0.03	/	/	/	/	/	/

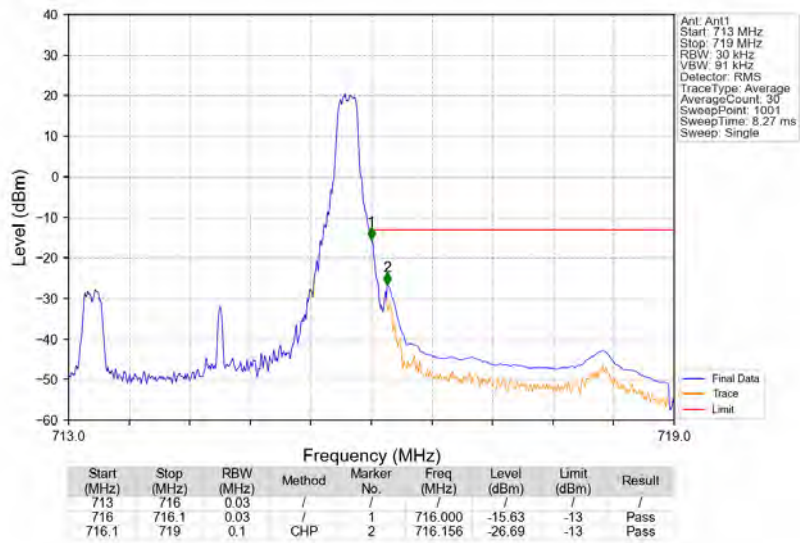
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



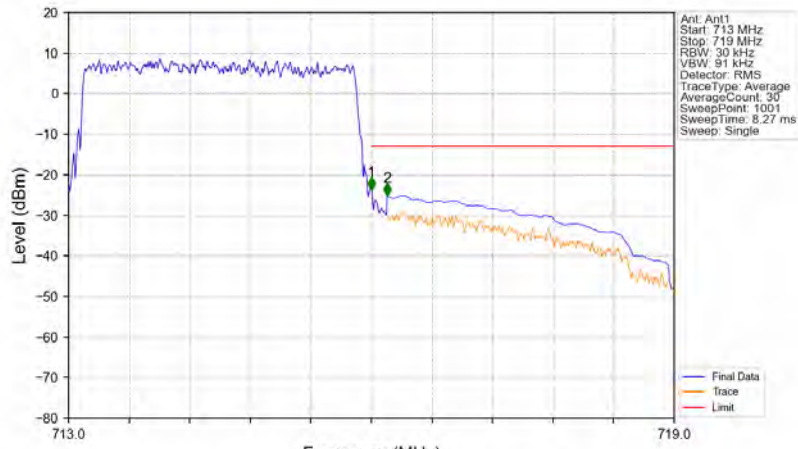
Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV

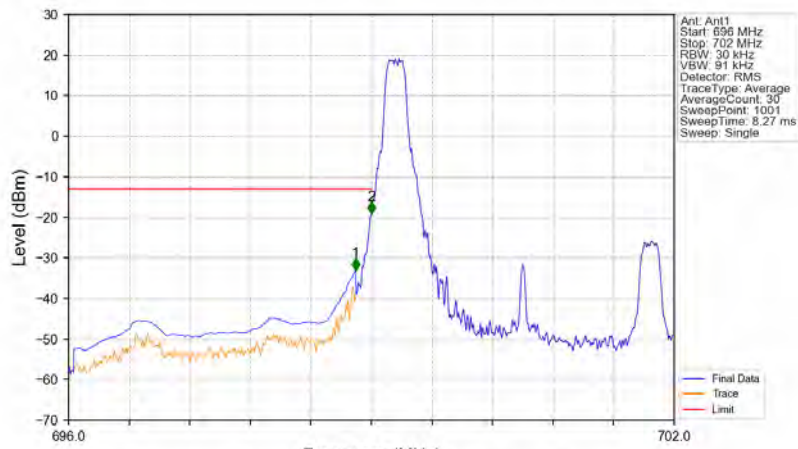


Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



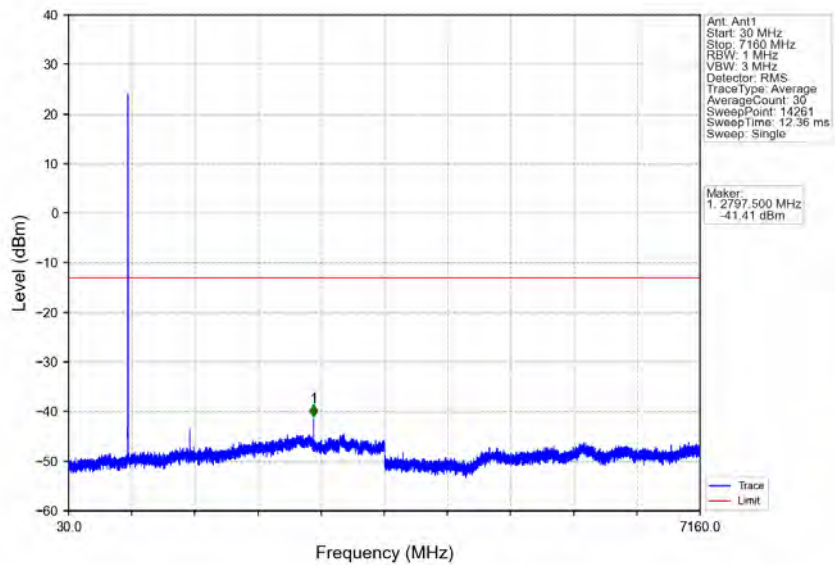
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-23.69	-13	Pass
716.1	719	0.1	CHP	2	716.156	-25.19	-13	Pass

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

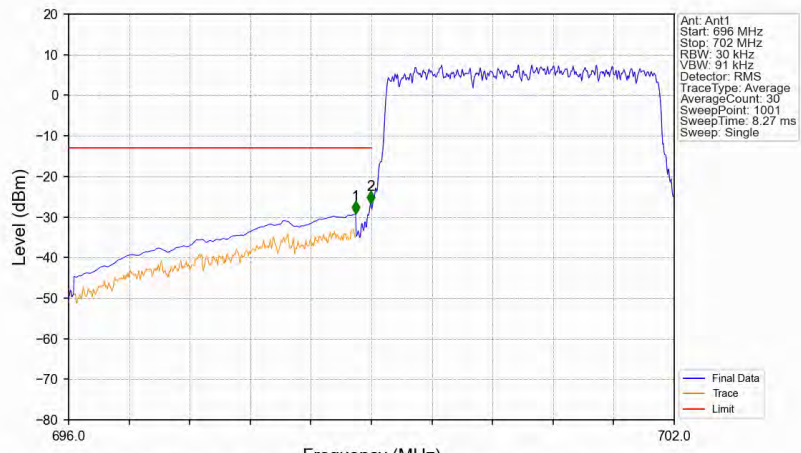


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-33.18	-13	Pass
698.9	699	0.03	/	2	699.000	-19.22	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

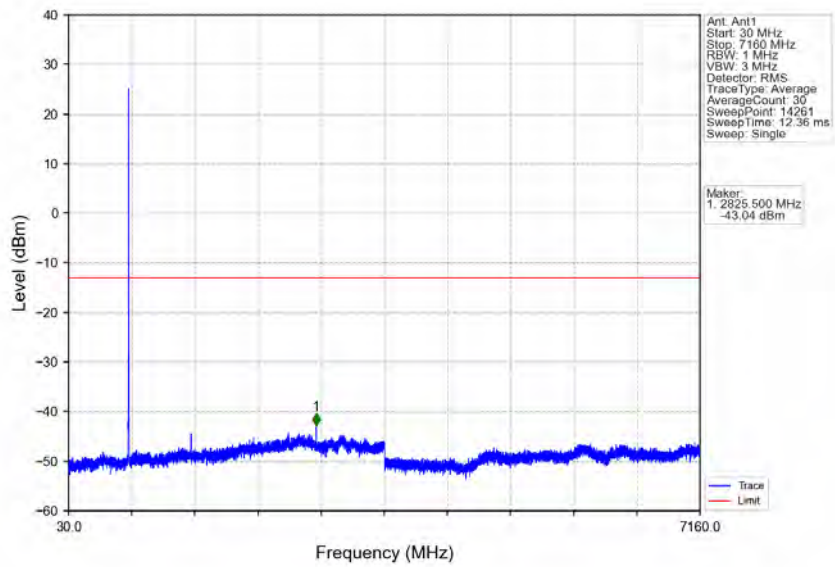


Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

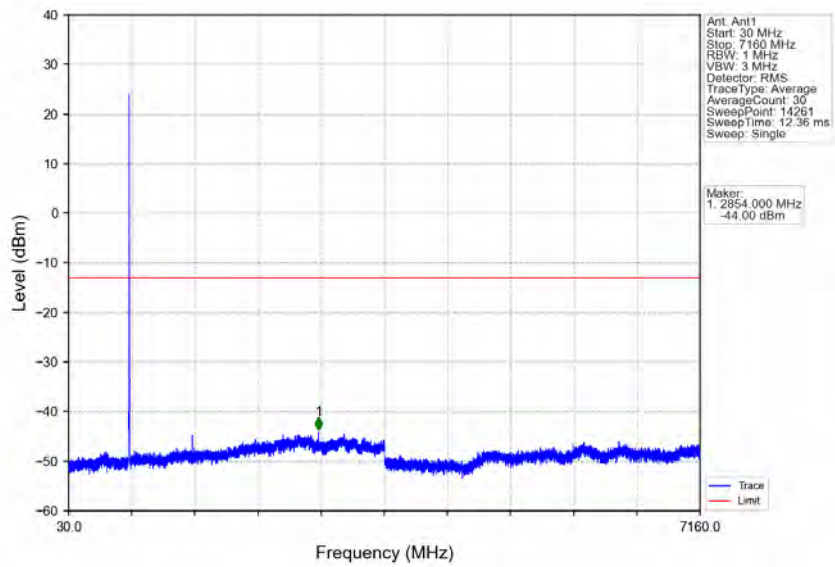


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-29.23	-13	Pass
698.9	699	0.03	/	2	698.994	-26.72	-13	Pass
699	702	0.03	/	/	/	/	/	/

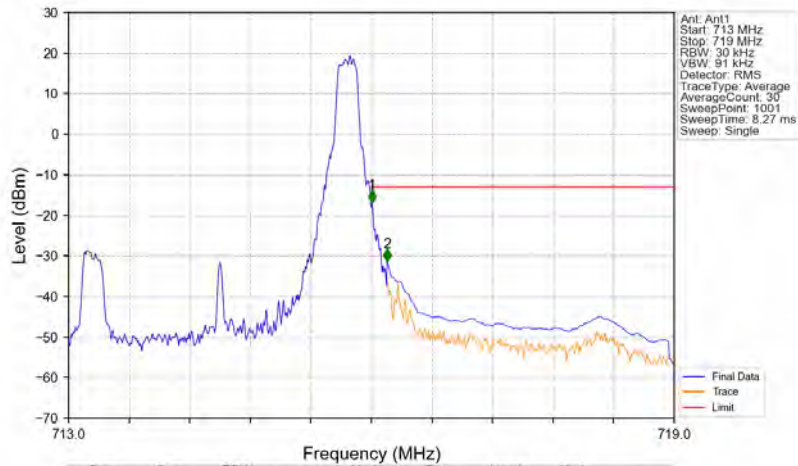
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV

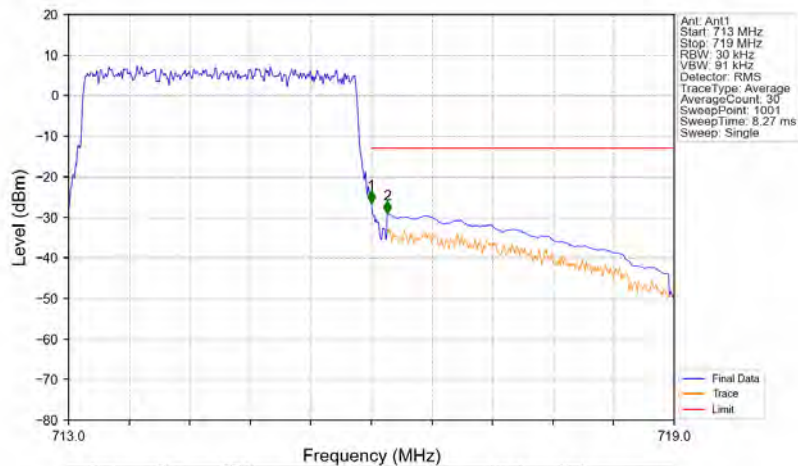


Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_14_NTNV



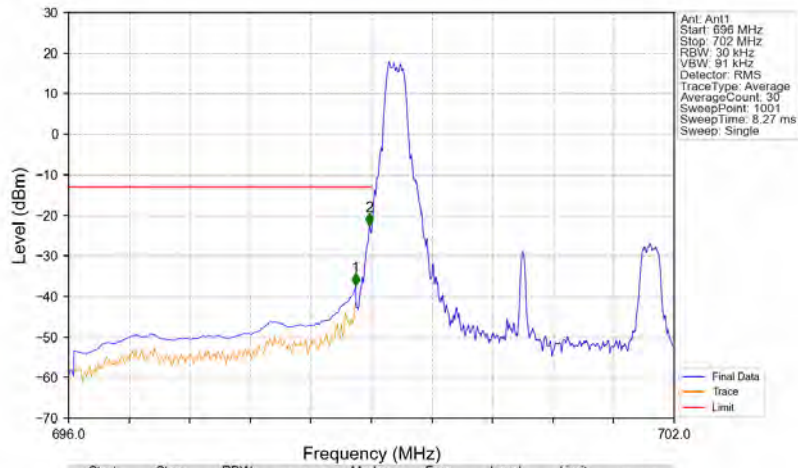
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-16.92	-13	Pass
716.1	719	0.1	CHP	2	716.156	-31.37	-13	Pass

Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

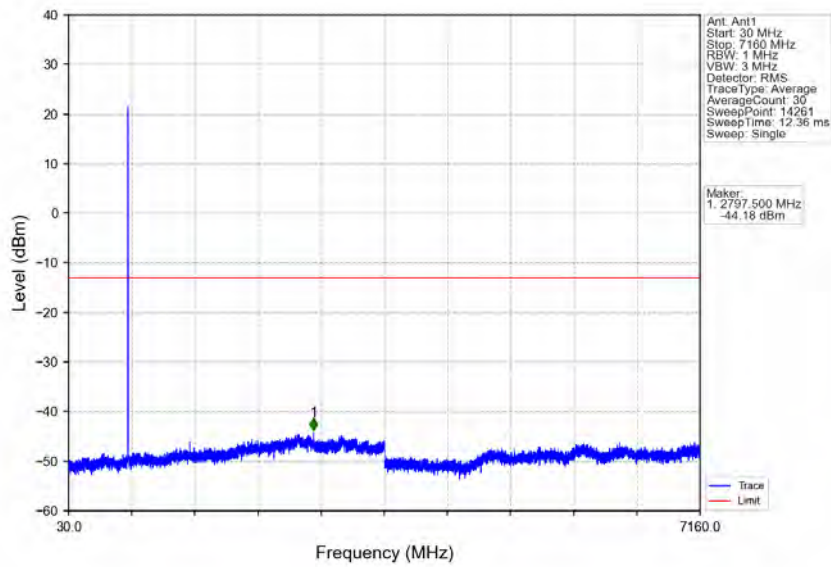


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-26.57	-13	Pass
716.1	719	0.1	CHP	2	716.156	-28.99	-13	Pass

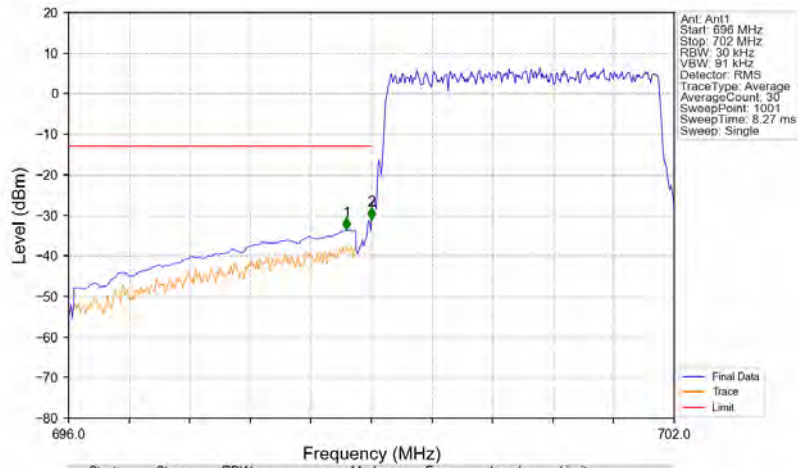
Band12_3MHz_64QAM_LCH_700.5MHz_RB_1_0_NTNV



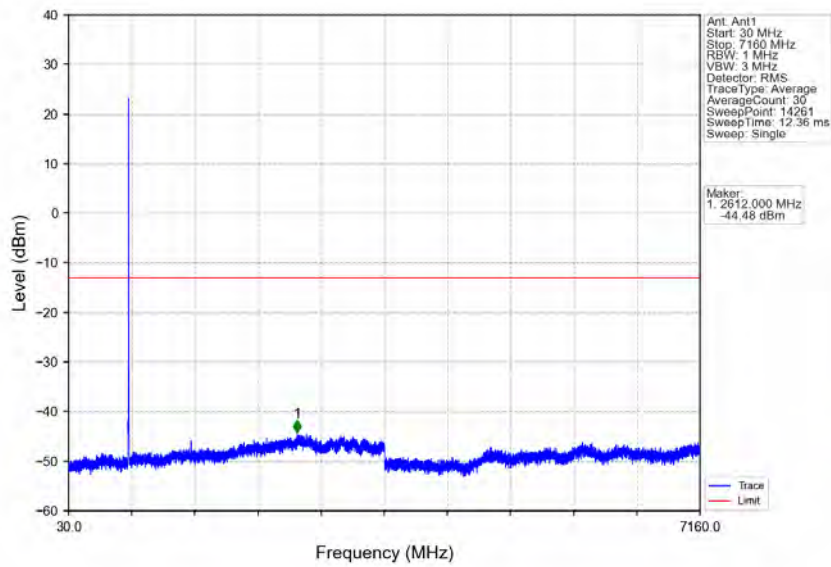
Band12_3MHz_64QAM_LCH_700.5MHz_RB_1_0_NTNV



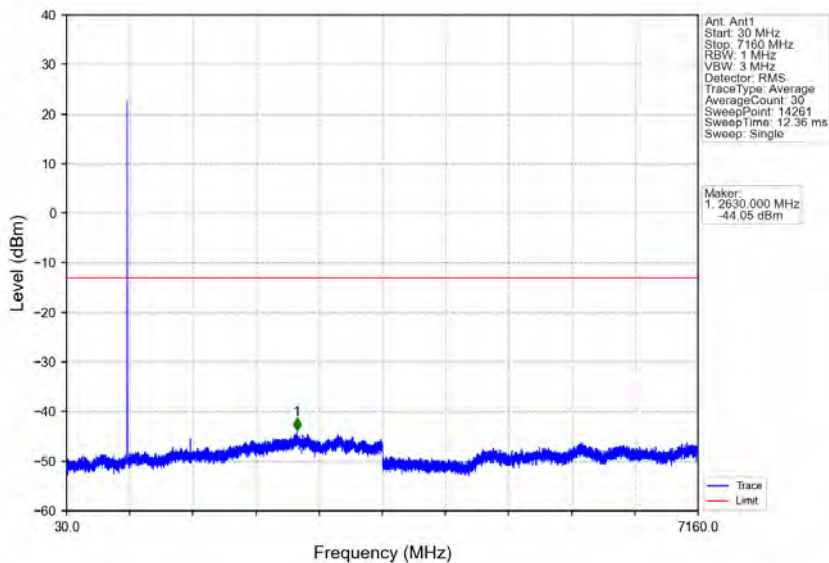
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



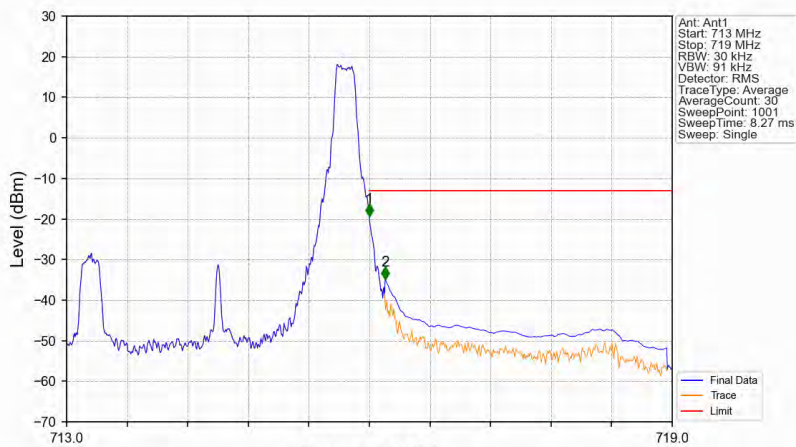
Band12_3MHz_64QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_64QAM_HCH_714.5MHz_RB_1_0_NTNV

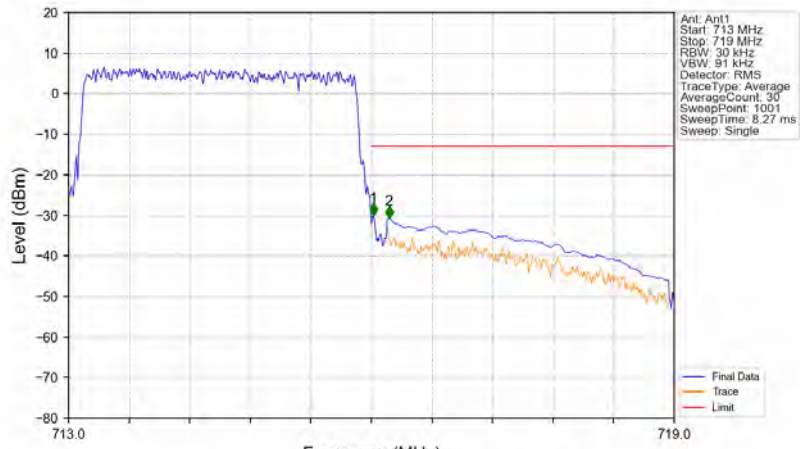


Band12_3MHz_64QAM_HCH_714.5MHz_RB_1_14_NTNV



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	716.000	-19.39	-13	Pass
716.1	719	0.1	CHP	2	716.156	-34.89	-13	Pass

Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



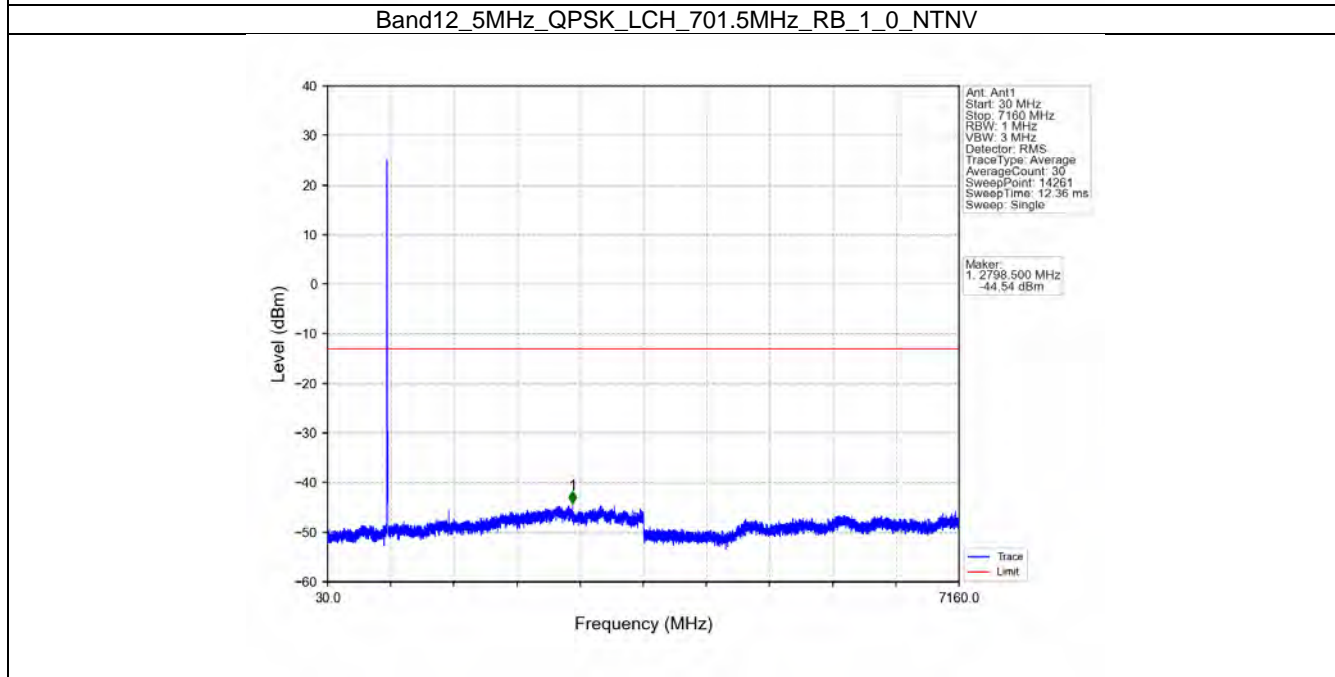
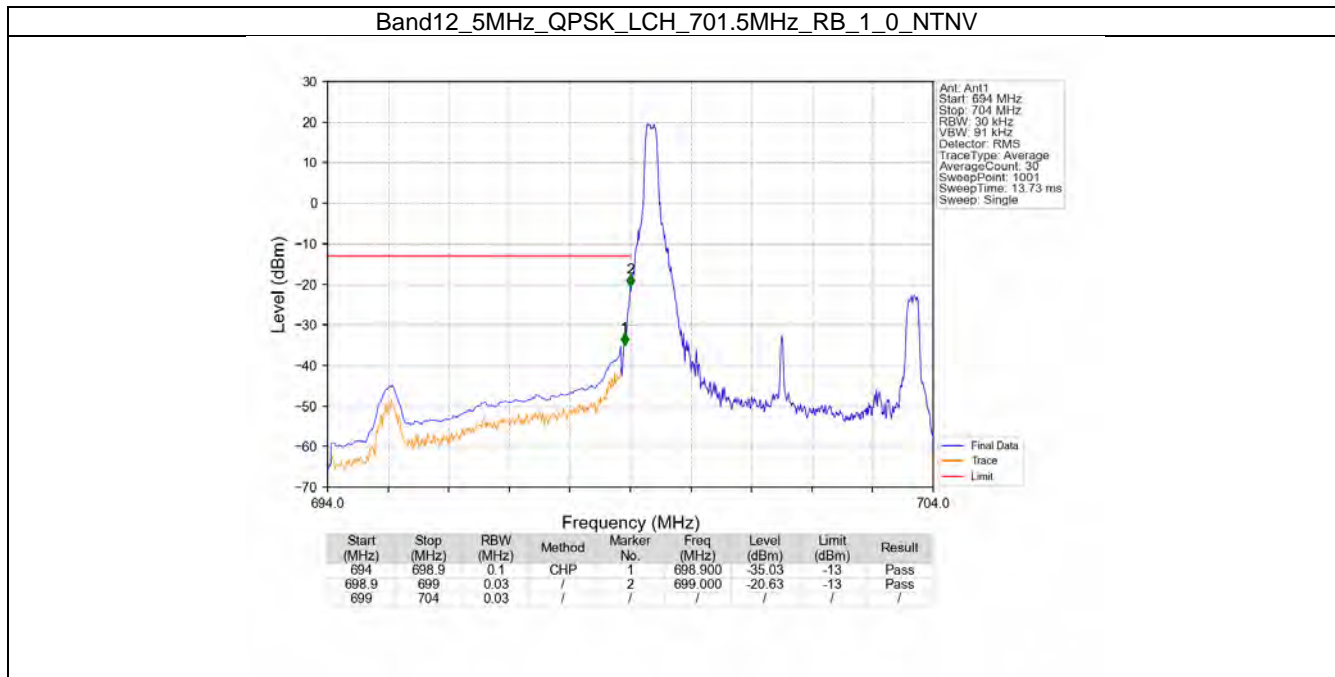
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.018	-30.11	-13	Pass
716.1	719	0.1	CHP	2	716.174	-30.76	-13	Pass

5.3 B12_5MHz

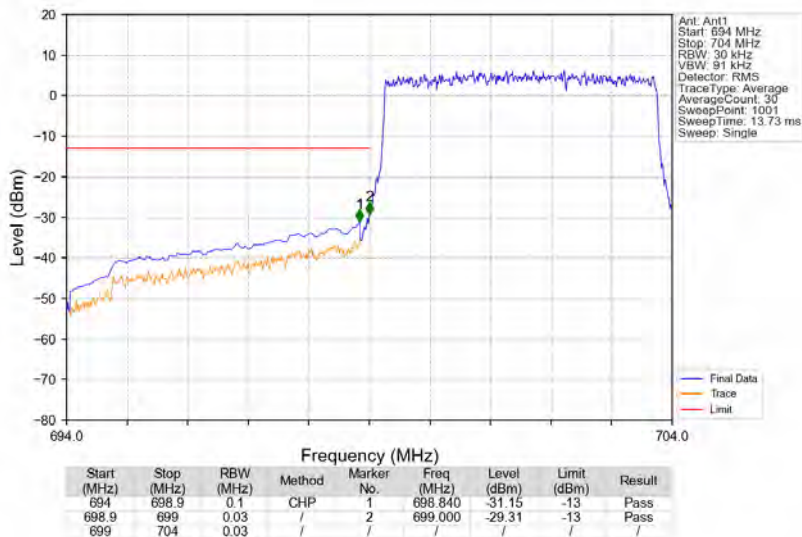
5.3.1 Test Result

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

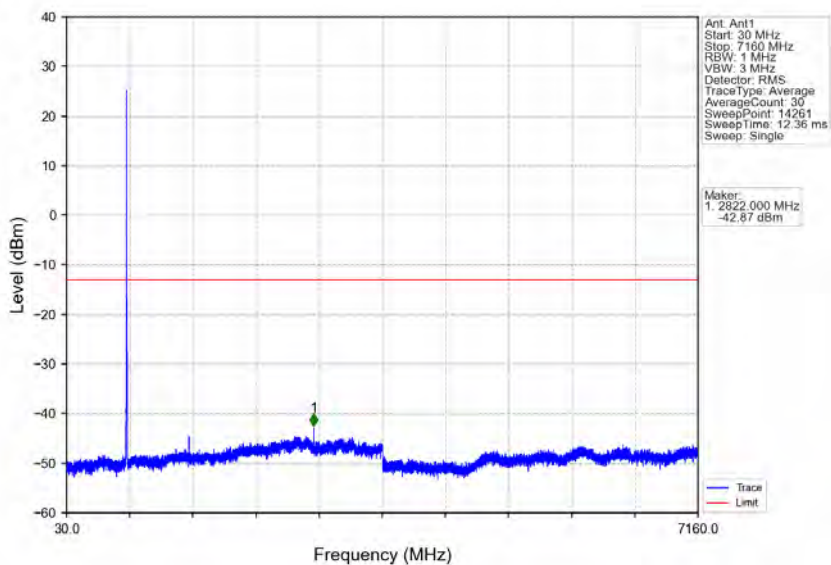
5.3.2 Test Graph



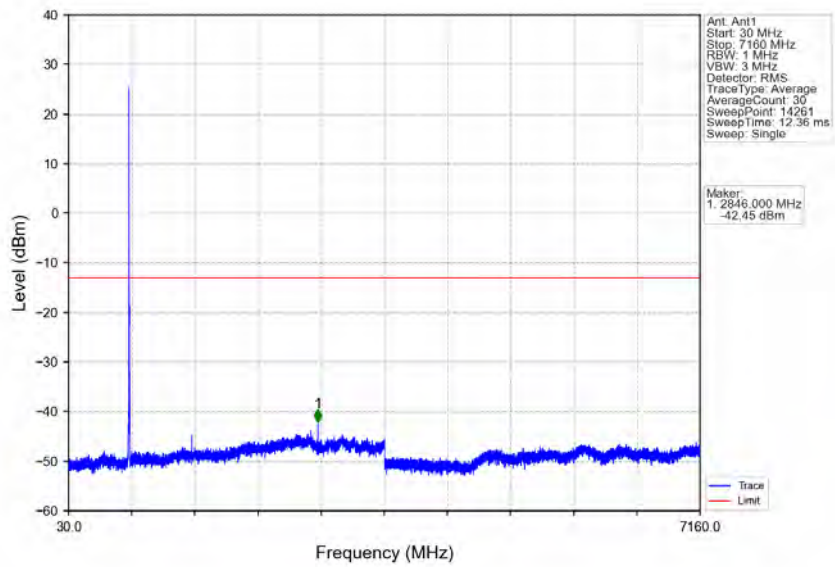
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



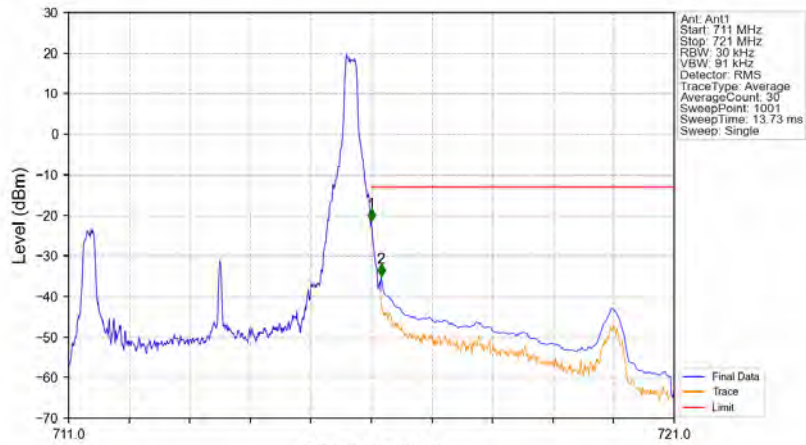
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

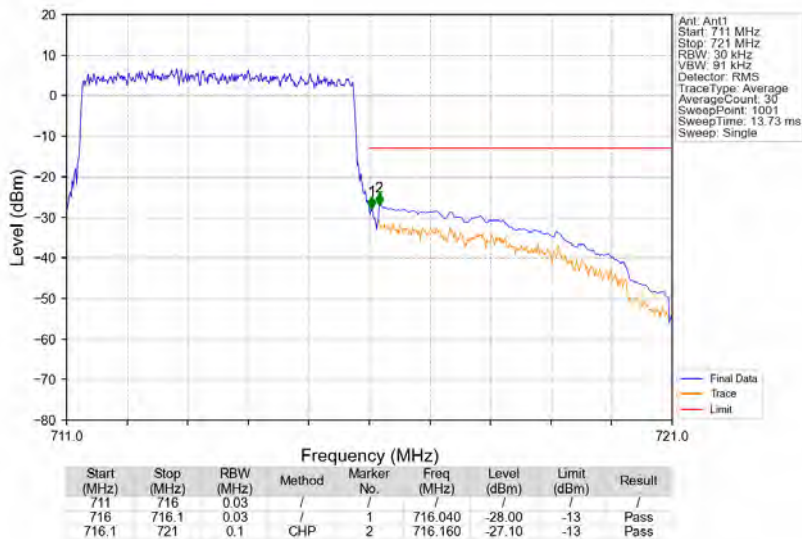


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV

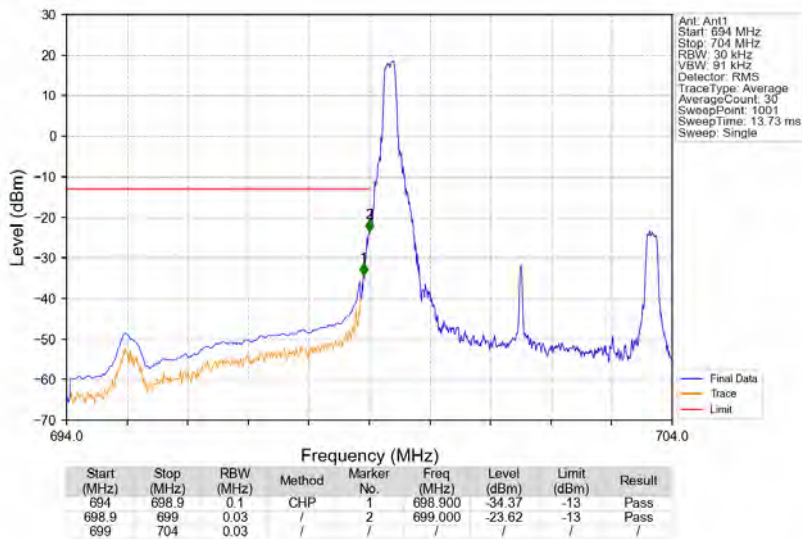


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-21.46	-13	Pass
716.1	721	0.1	CHP	2	716.160	-35.09	-13	Pass

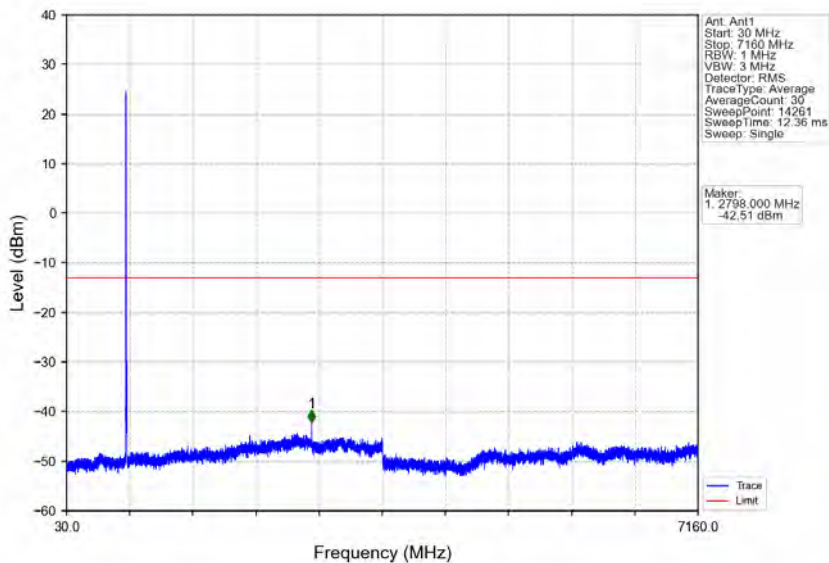
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



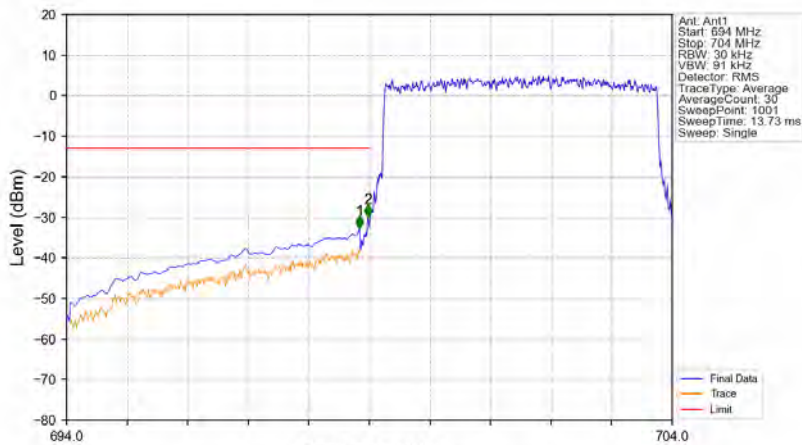
Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

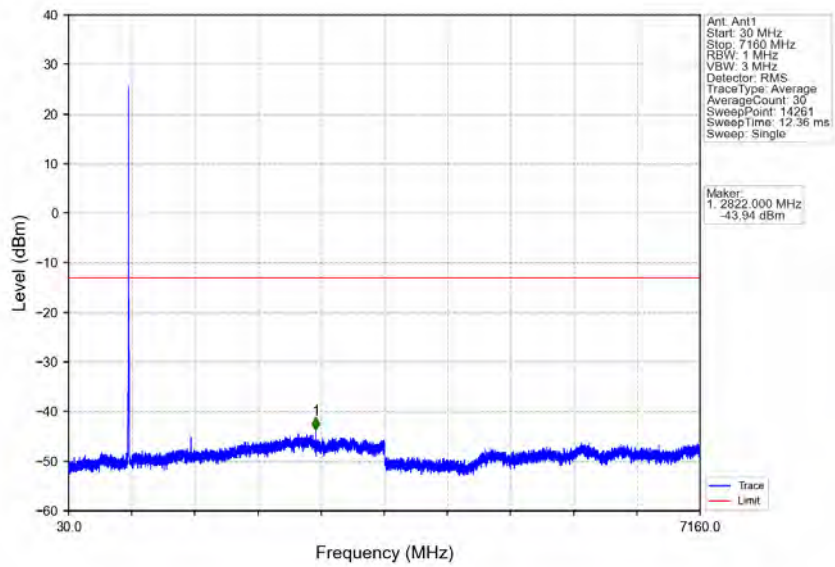


Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

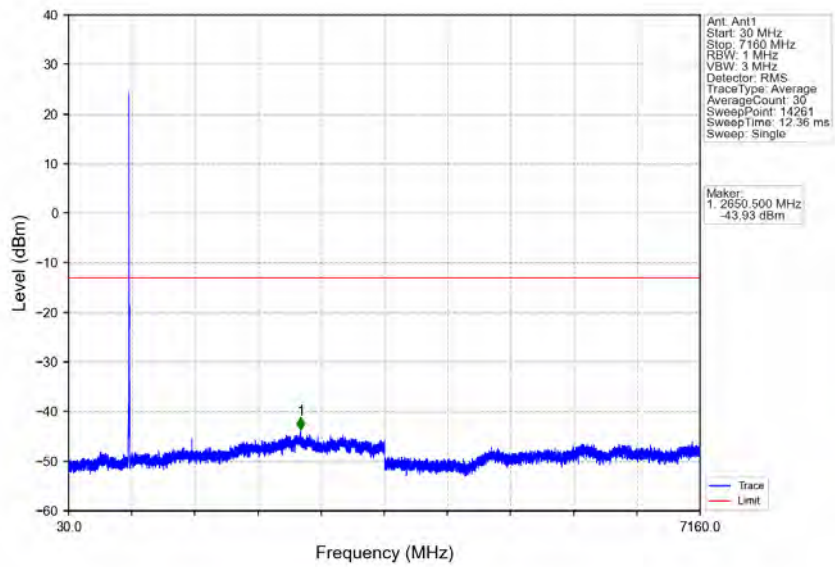


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-32.71	-13	Pass
698.9	699	0.03	/	2	698.980	-29.97	-13	Pass
699	704	0.03	/	/	/	/	/	/

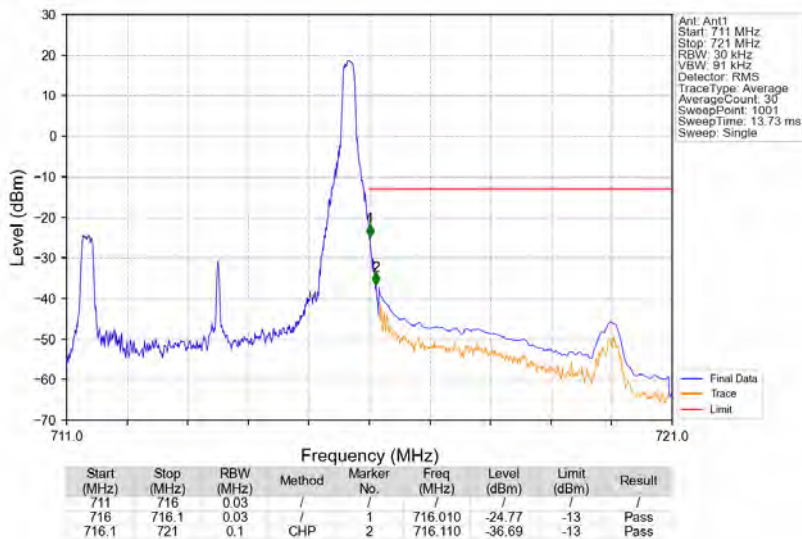
Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



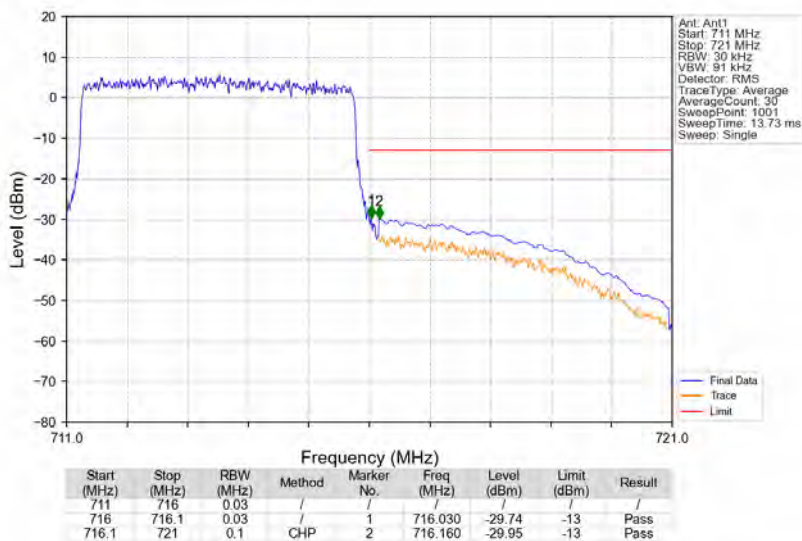
Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



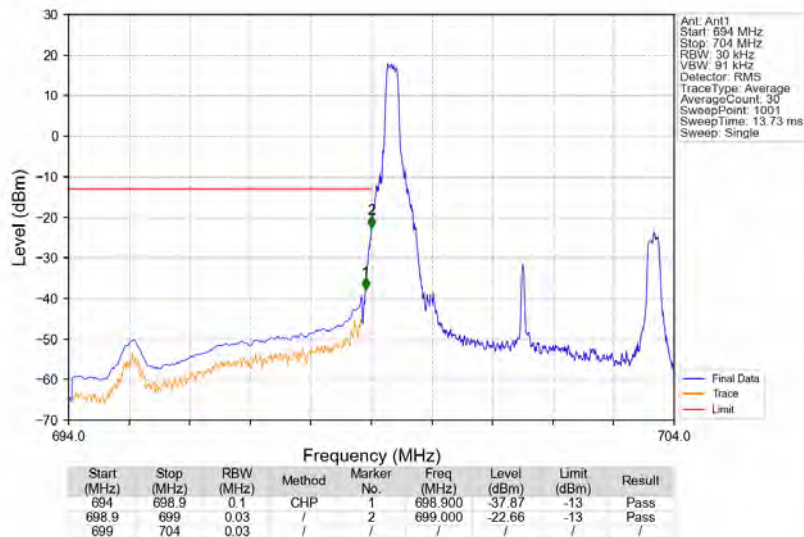
Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



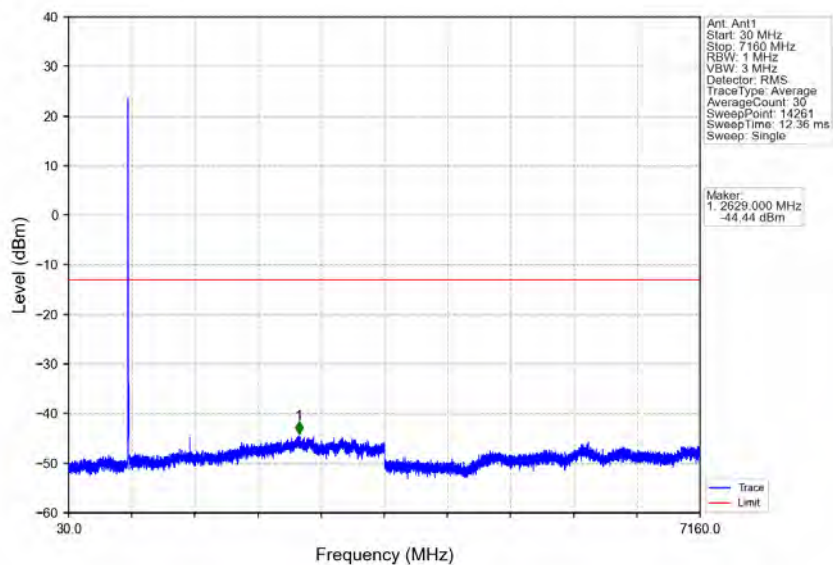
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



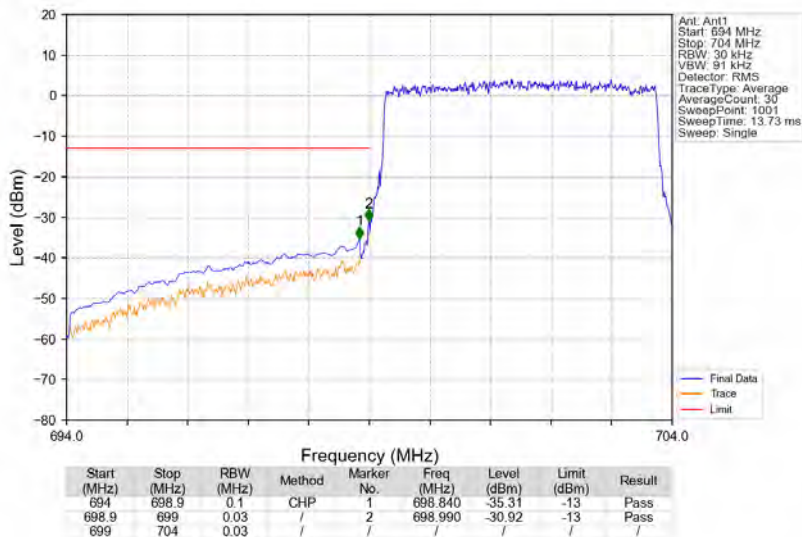
Band12_5MHz_64QAM_LCH_701.5MHz_RB_1_0_NTNV



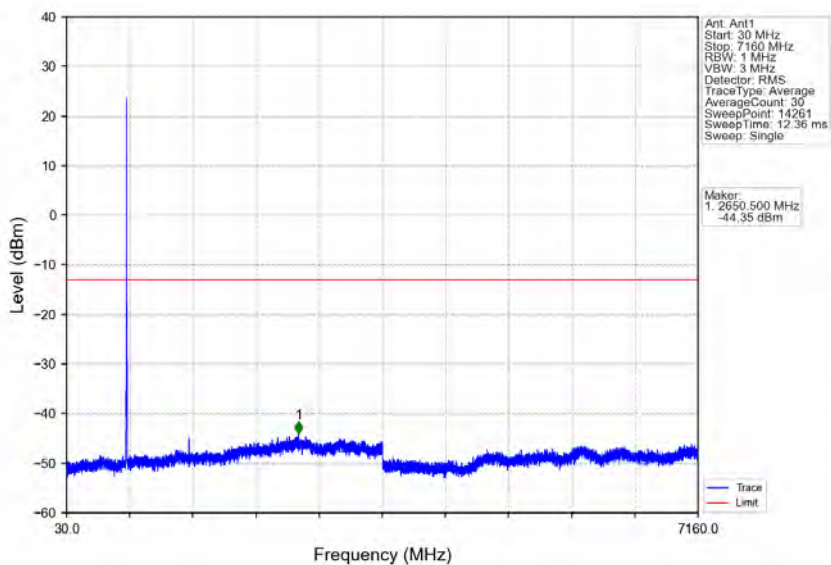
Band12_5MHz_64QAM_LCH_701.5MHz_RB_1_0_NTNV



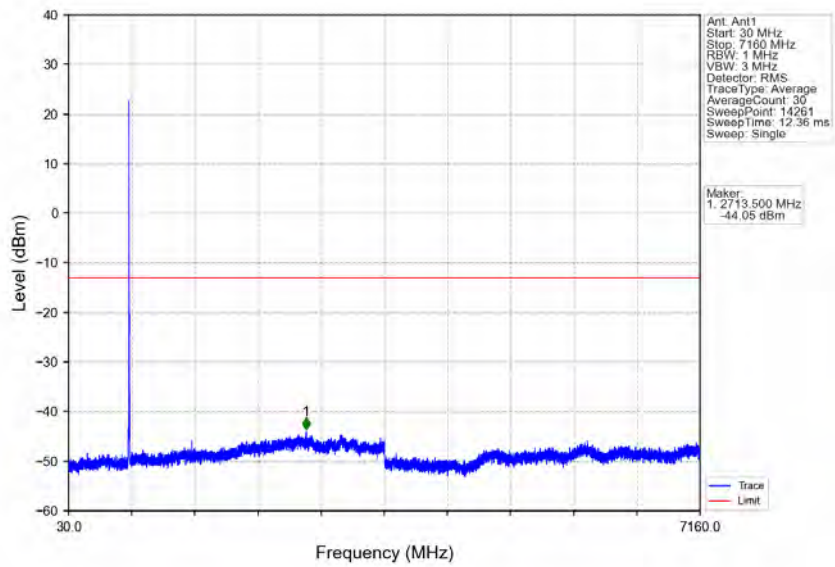
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



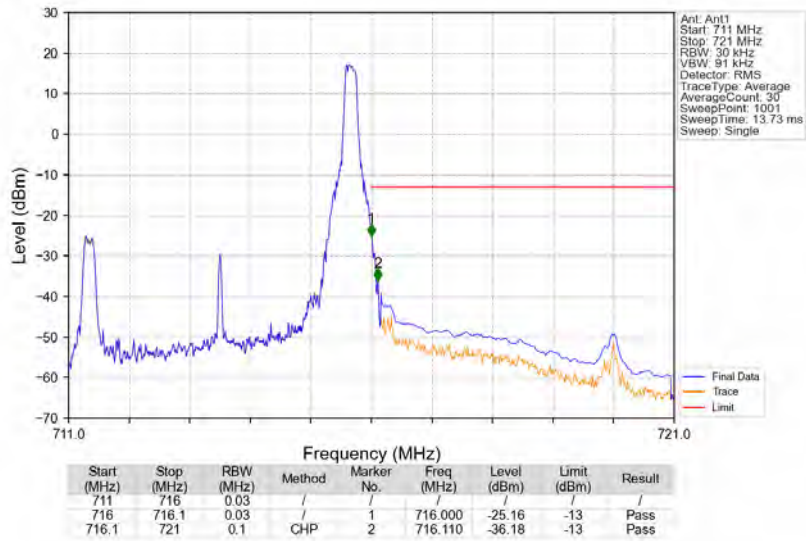
Band12_5MHz_64QAM_MCH_707.5MHz_RB_1_0_NTNV



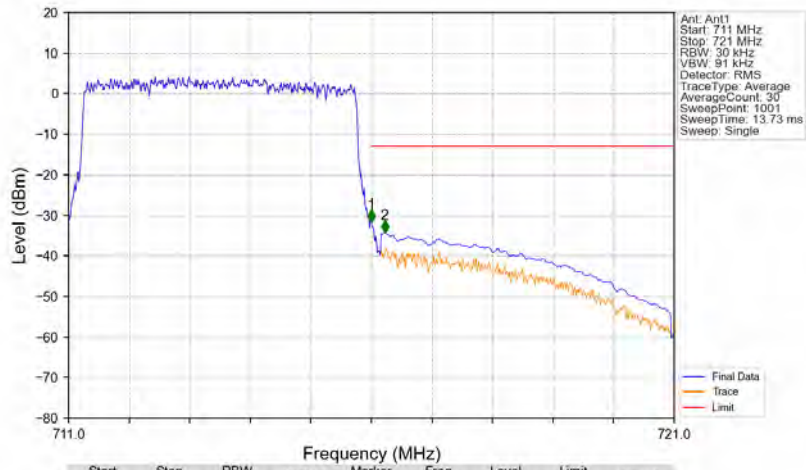
Band12_5MHz_64QAM_HCH_713.5MHz_RB_1_0_NTNV



Band12_5MHz_64QAM_HCH_713.5MHz_RB_1_24_NTNV



Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



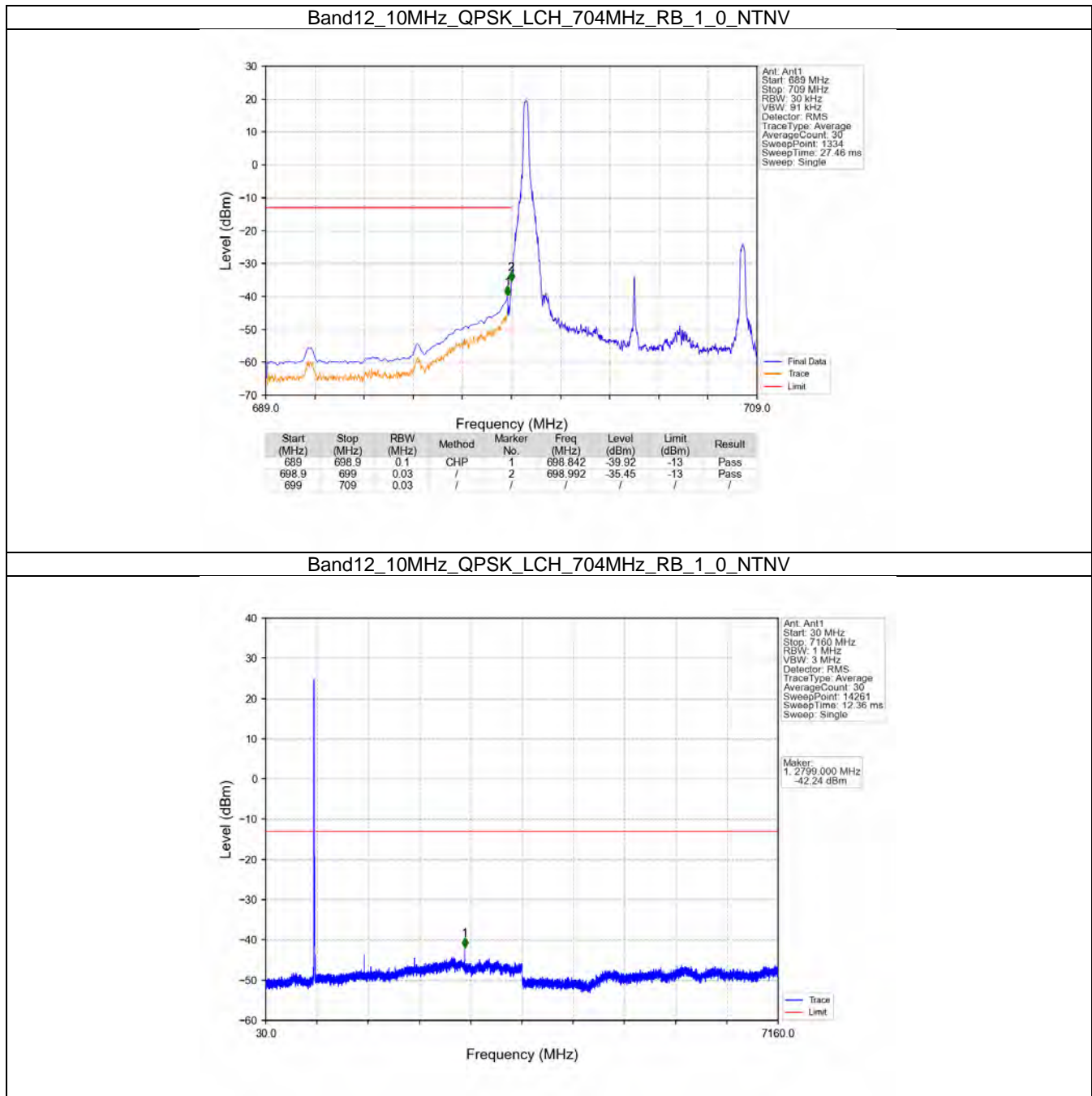
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-31.66	-13	Pass
716.1	721	0.1	CHP	2	716.220	-34.34	-13	Pass

5.4 B12_10MHz

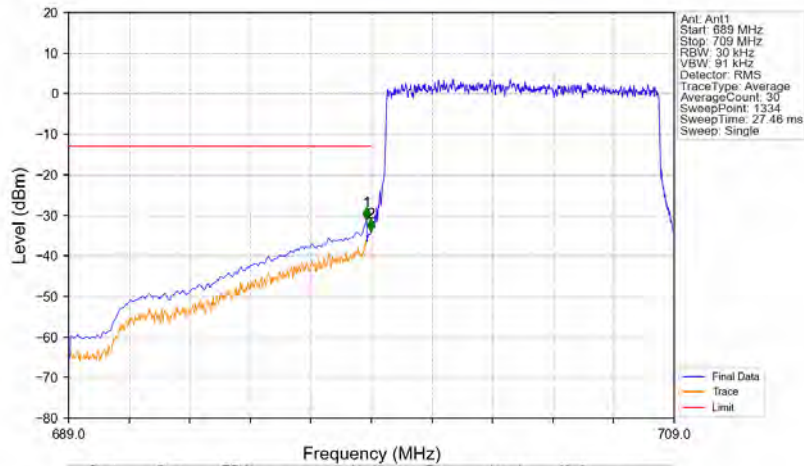
5.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTV						
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	
	711	1	0	Refer To Test Graph	Pass	
		1	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	
	711	1	0	Refer To Test Graph	Pass	
		1	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	
	711	1	0	Refer To Test Graph	Pass	
		1	49	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	

5.4.2 Test Graph

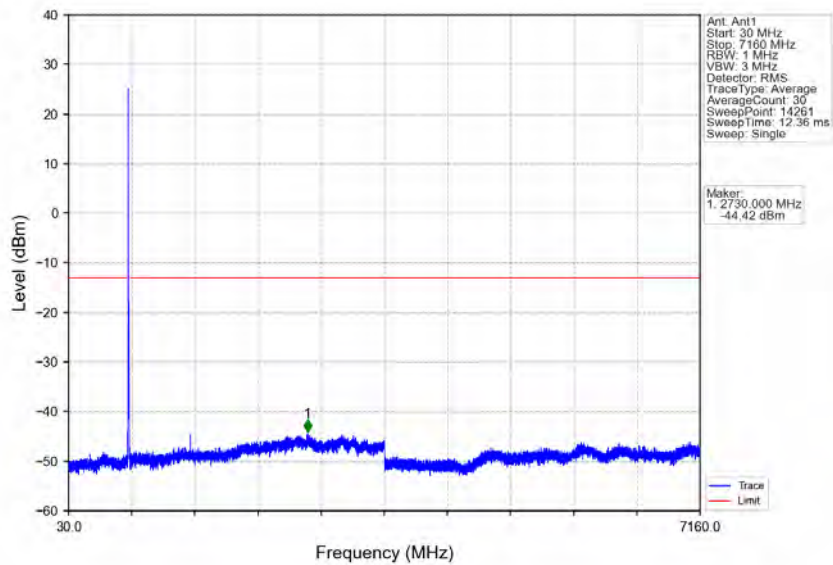


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-31.12	-13	Pass
698.9	699	0.03	/	2	698.977	-34.04	-13	Pass
699	709	0.03	/	/	/	/	/	/

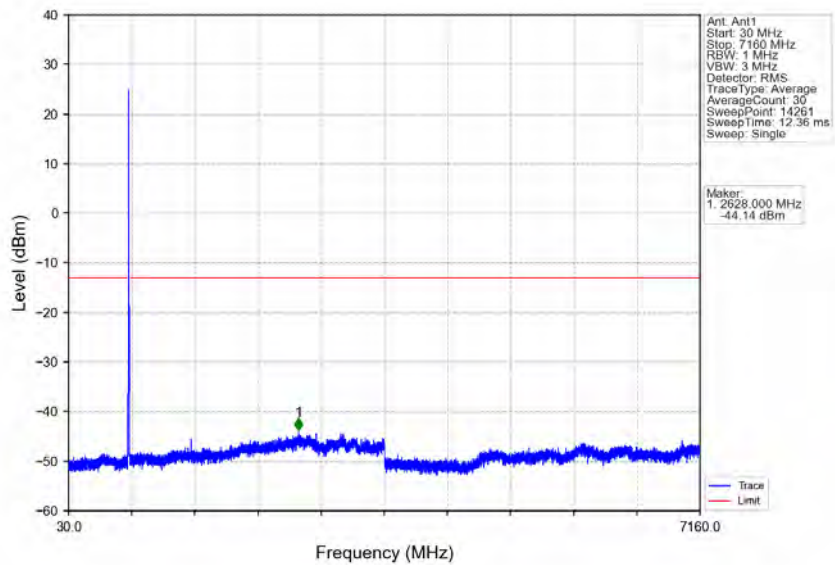
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



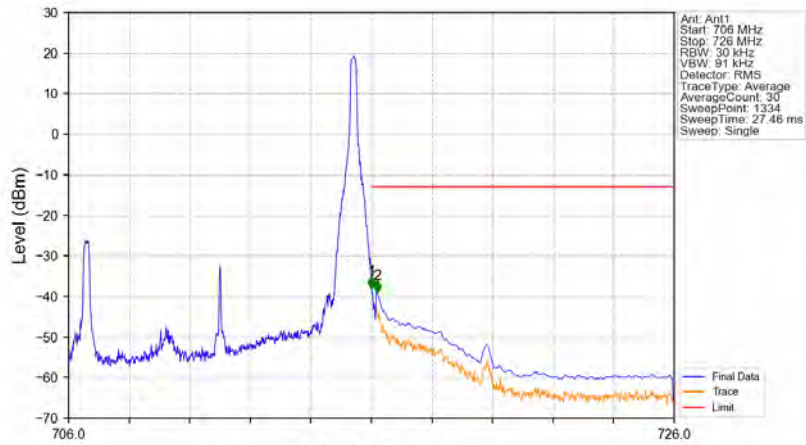
Ant: Ant1
 Start: 30 MHz
 Stop: 7160 MHz
 RBW: 1 MHz
 VBW: 3 MHz
 Detector: RMS
 TraceType: Average
 AverageCount: 30
 SweepPoint: 14261
 SweepTime: 12.36 ms
 Sweep: Single

Marker
 1: 707.50000 MHz
 -44.42 dBm

Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

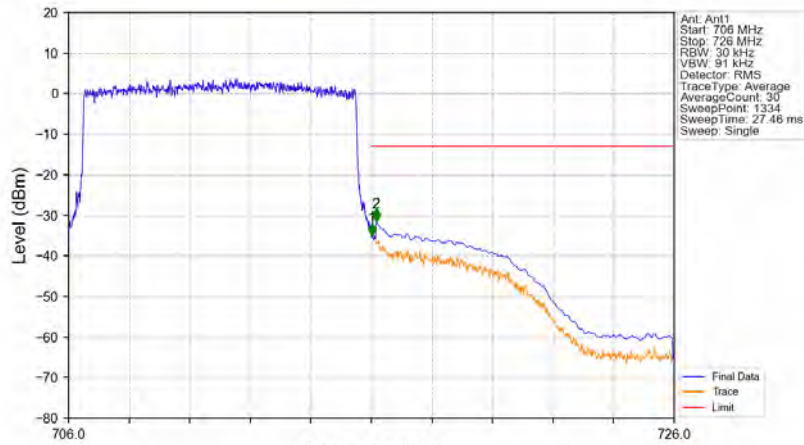


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



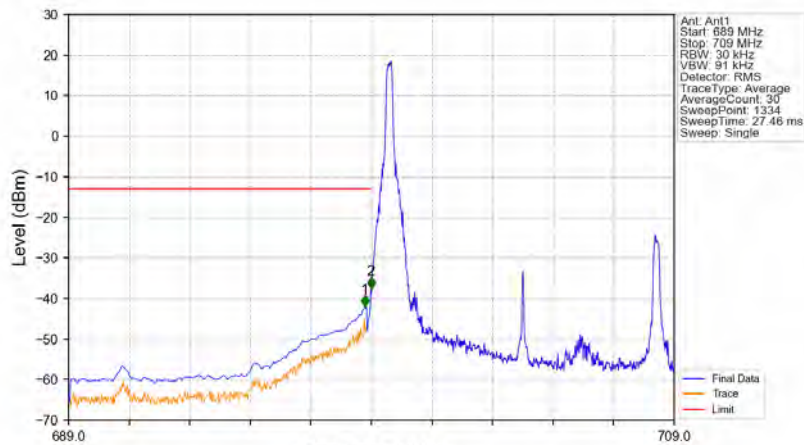
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-38.11	-13	Pass
716.1	726	0.1	CHP	2	716.188	-39.16	-13	Pass

Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



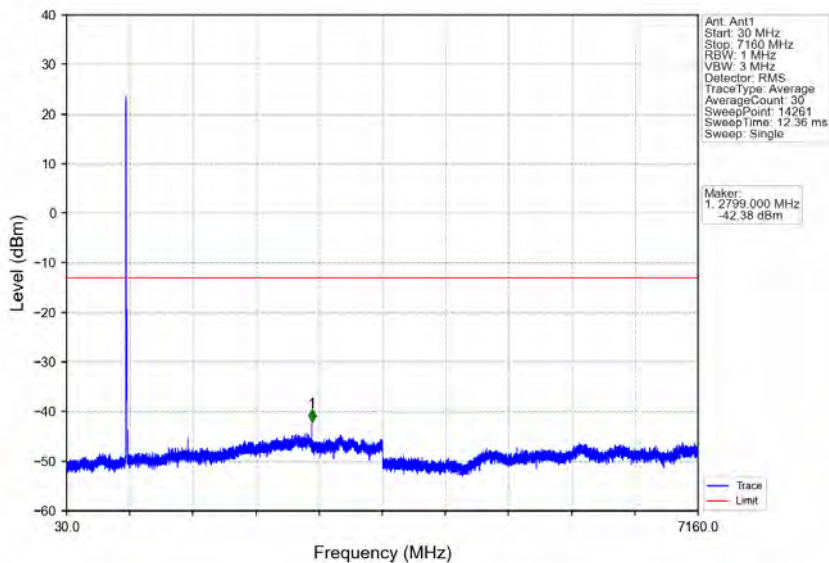
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716.1	726	0.1	CHP	2	716.158	-31.54	-13	Pass
716	716.1	0.03	/	1	716.023	-34.96	-13	Pass

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

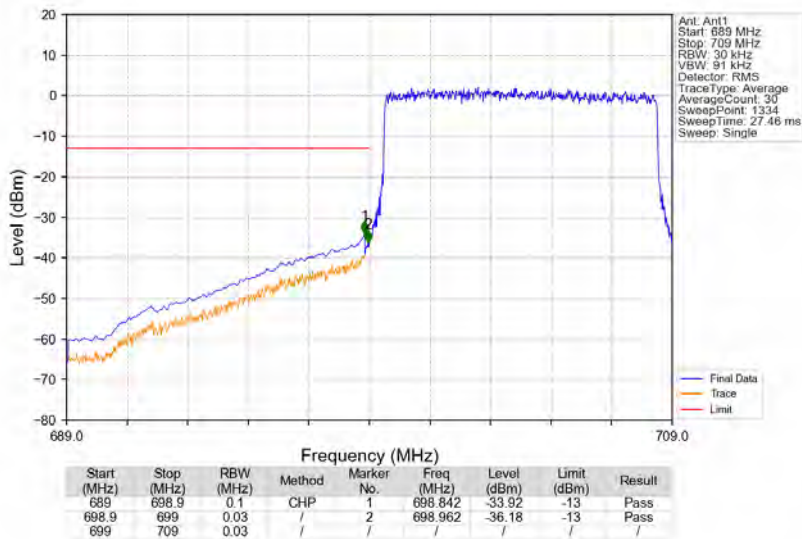


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.762	-42.14	-13	Pass
699	709	0.03	/	/	/	/	/	/
698.9	699	0.03	/	2	698.992	-37.63	-13	Pass

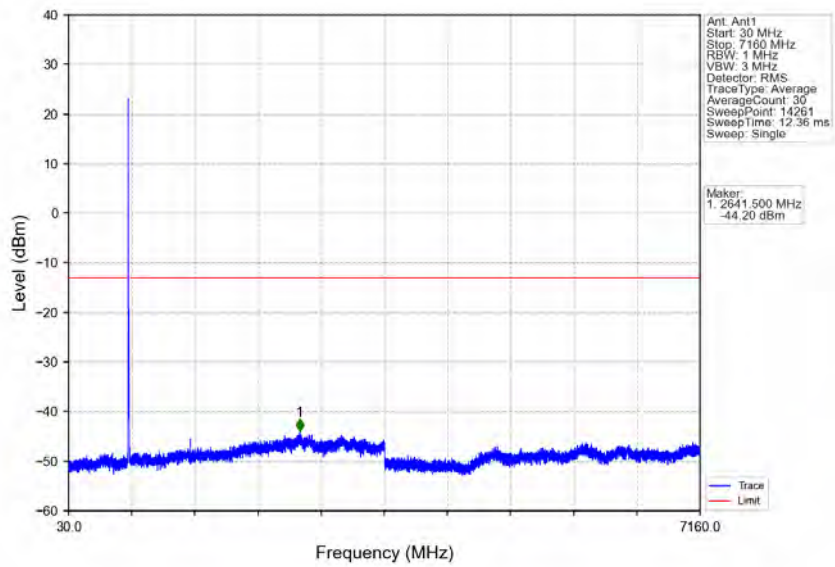
Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



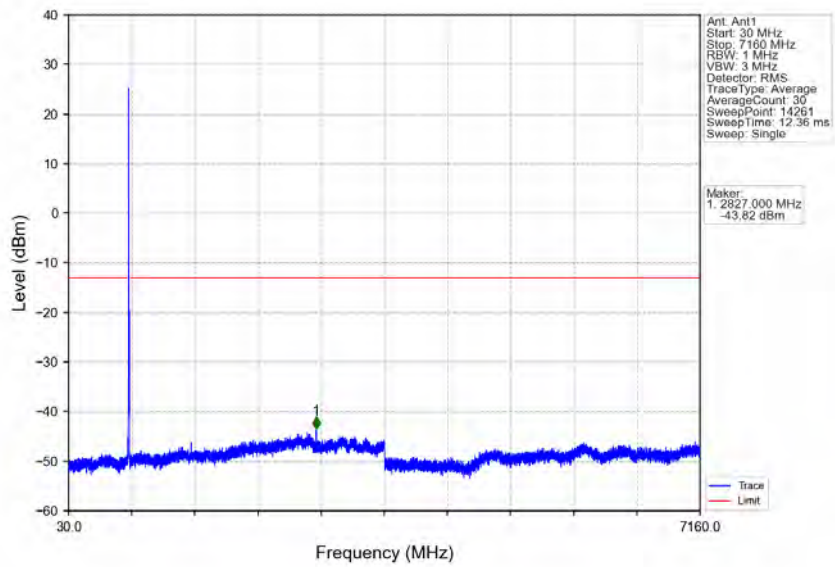
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



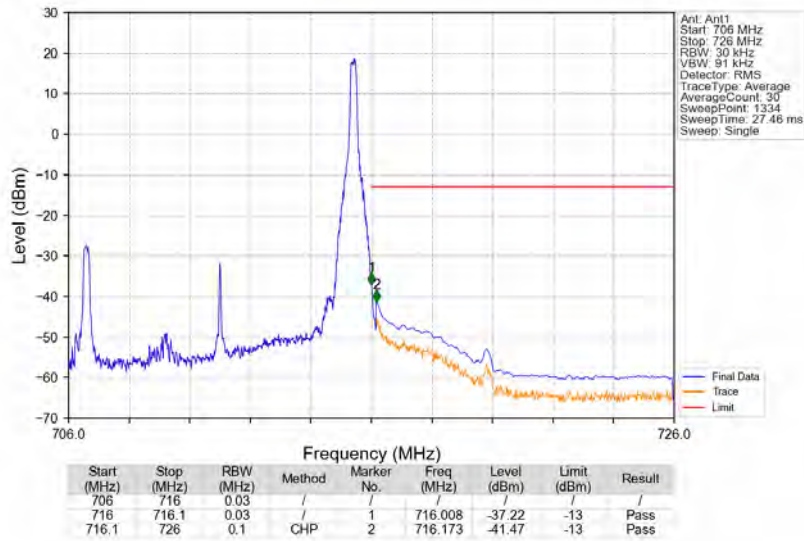
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV



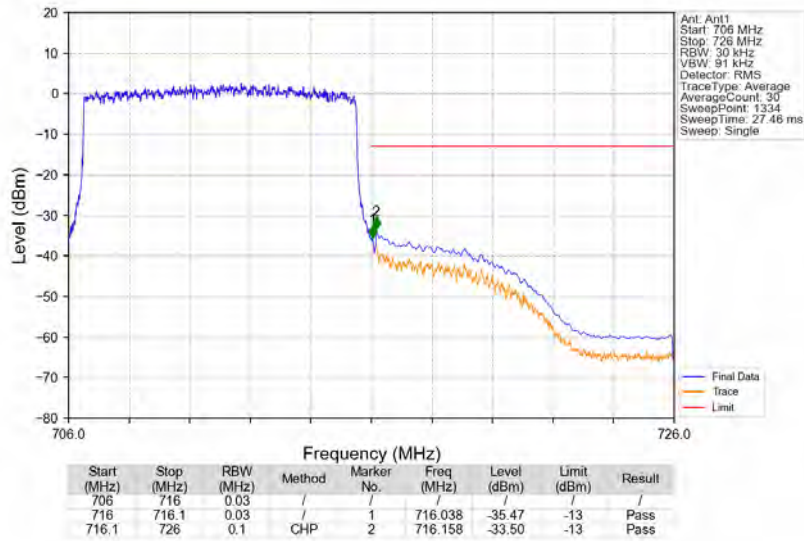
Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



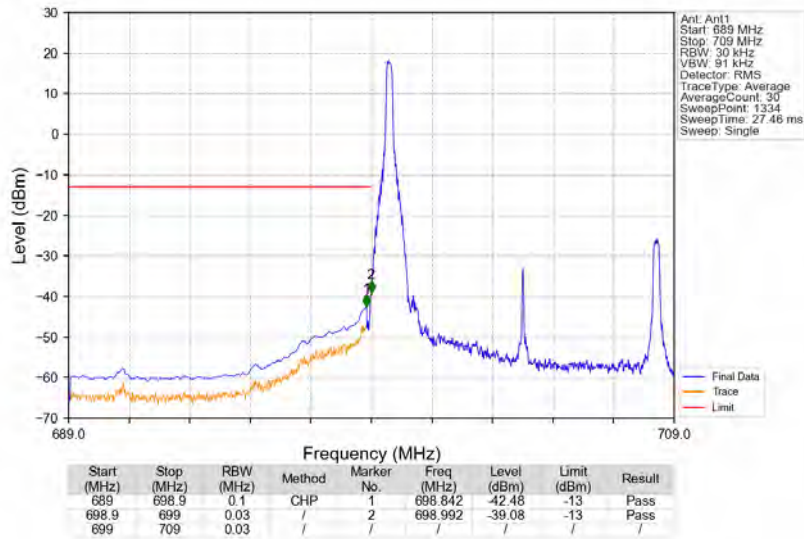
Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTV



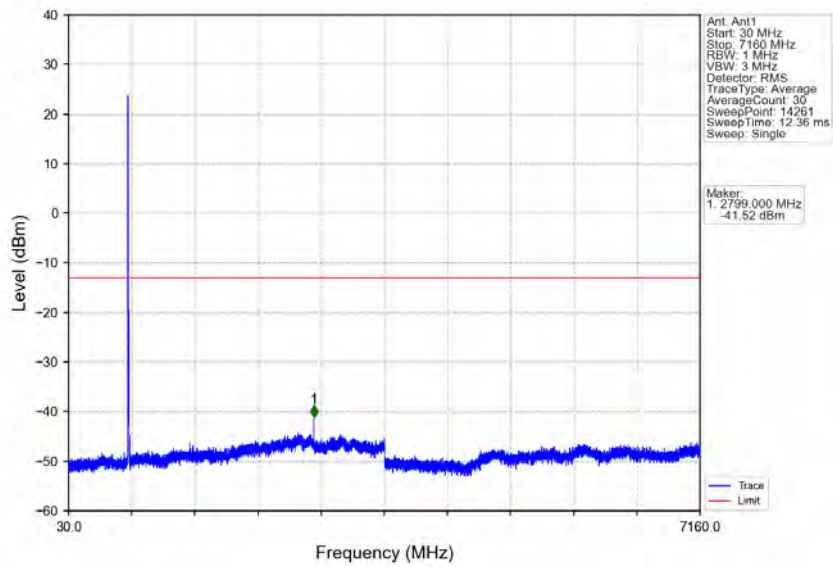
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTV



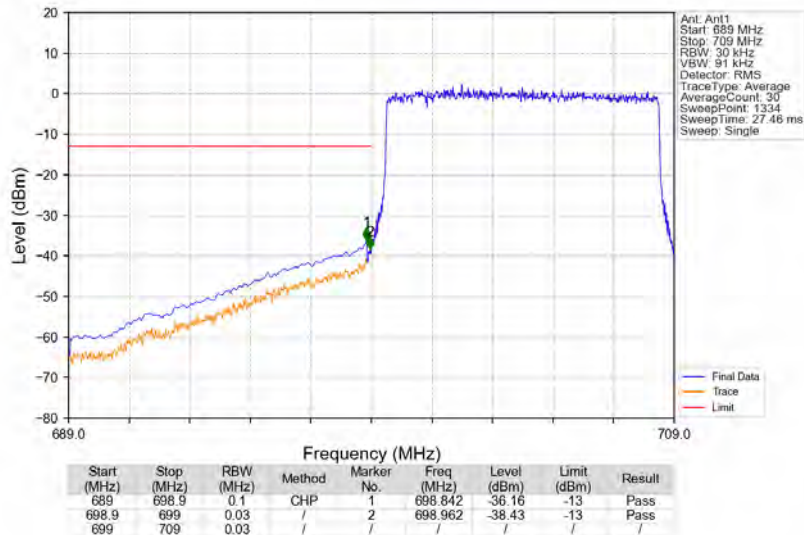
Band12_10MHz_64QAM_LCH_704MHz_RB_1_0_NTNV



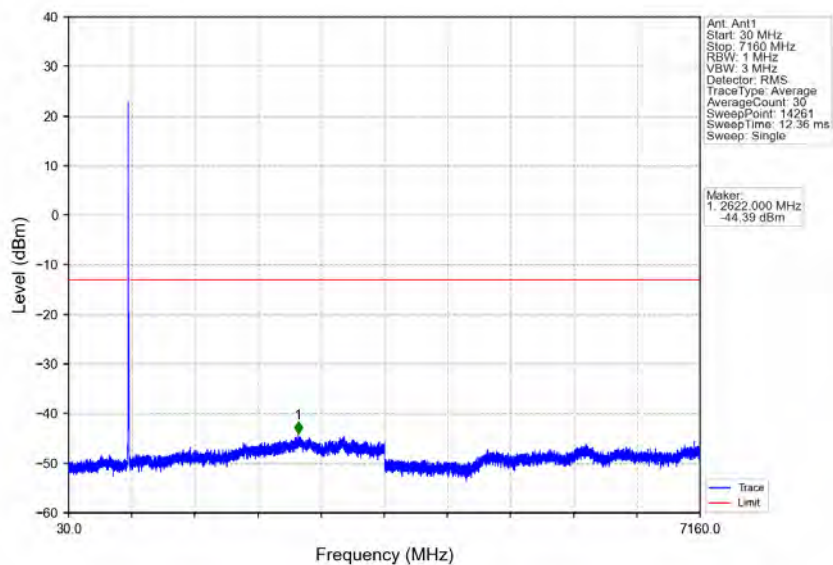
Band12_10MHz_64QAM_LCH_704MHz_RB_1_0_NTNV



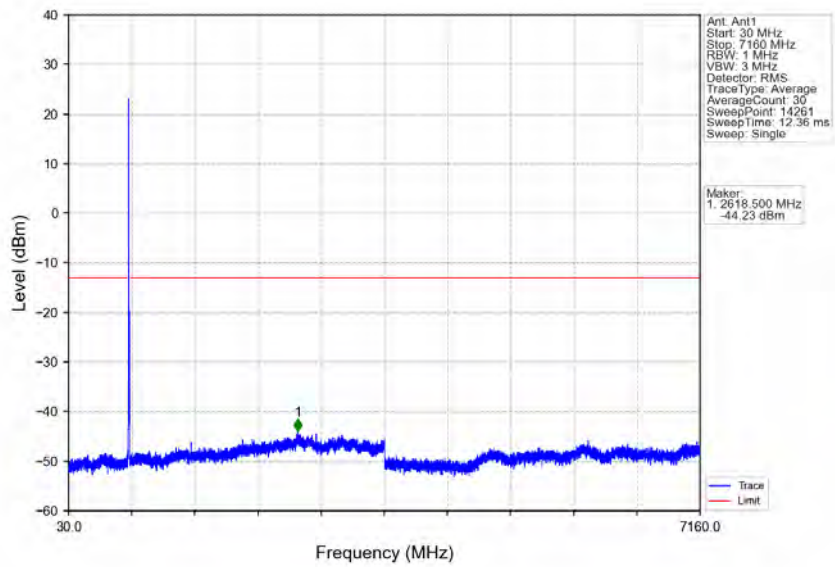
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



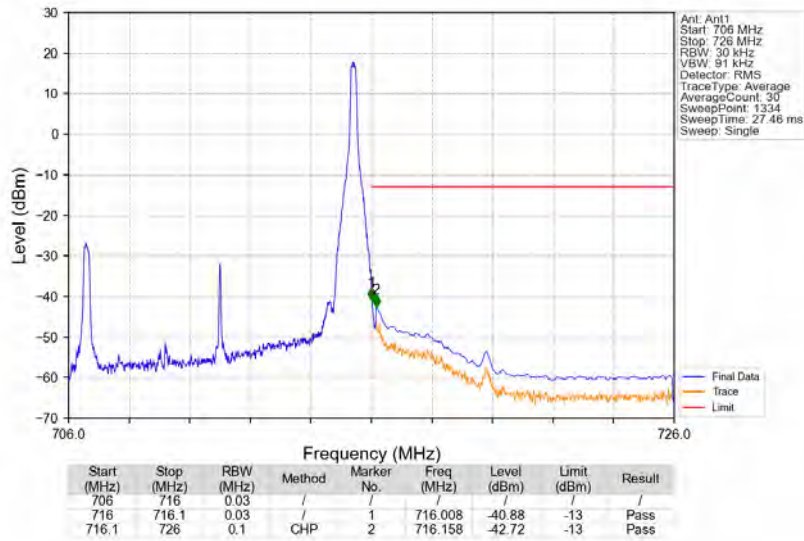
Band12_10MHz_64QAM_MCH_707.5MHz_RB_1_0_NTNV



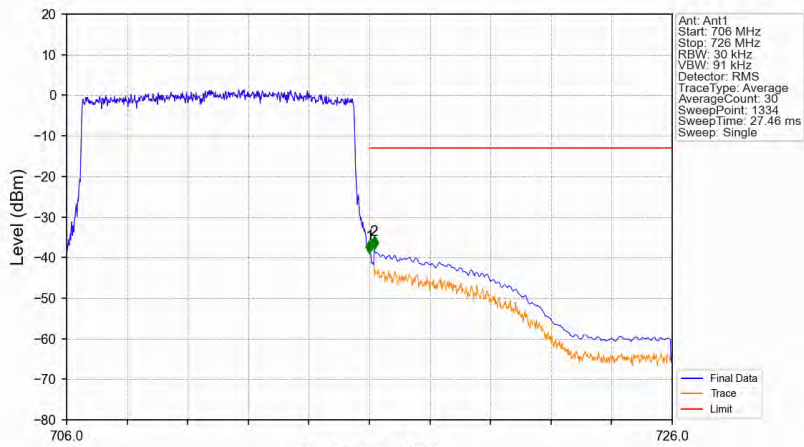
Band12_10MHz_64QAM_HCH_711MHz_RB_1_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_1_49_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-38.96	-13	Pass
716.1	726	0.1	CHP	2	716.158	-37.91	-13	Pass