

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

Band: 12 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	23.63	0.34	21.82	<=34.77	Pass
			2	23.70	0.34	21.89	<=34.77	Pass
			5	23.46	0.34	21.65	<=34.77	Pass
		3	0	23.47	0.34	21.66	<=34.77	Pass
			2	23.50	0.34	21.69	<=34.77	Pass
			3	23.53	0.34	21.72	<=34.77	Pass
		6	0	22.55	0.34	20.74	<=34.77	Pass
	707.5	1	0	23.65	0.34	21.84	<=34.77	Pass
			2	23.60	0.34	21.79	<=34.77	Pass
			5	23.47	0.34	21.66	<=34.77	Pass
		3	0	23.48	0.34	21.67	<=34.77	Pass
			2	23.39	0.34	21.58	<=34.77	Pass
			3	23.38	0.34	21.57	<=34.77	Pass
		6	0	22.48	0.34	20.67	<=34.77	Pass
	715.3	1	0	23.39	0.34	21.58	<=34.77	Pass
			2	23.39	0.34	21.58	<=34.77	Pass
			5	23.37	0.34	21.56	<=34.77	Pass
		3	0	23.29	0.34	21.48	<=34.77	Pass
			2	23.37	0.34	21.56	<=34.77	Pass
			3	23.40	0.34	21.59	<=34.77	Pass
		6	0	22.45	0.34	20.64	<=34.77	Pass
16QAM	699.7	1	0	22.43	0.34	20.62	<=34.77	Pass
			2	22.60	0.34	20.79	<=34.77	Pass
			5	22.42	0.34	20.61	<=34.77	Pass
		3	0	22.55	0.34	20.74	<=34.77	Pass
			2	22.53	0.34	20.72	<=34.77	Pass
			3	22.56	0.34	20.75	<=34.77	Pass
		6	0	21.62	0.34	19.81	<=34.77	Pass
	707.5	1	0	22.56	0.34	20.75	<=34.77	Pass
			2	22.43	0.34	20.62	<=34.77	Pass
			5	22.06	0.34	20.25	<=34.77	Pass
		3	0	22.53	0.34	20.72	<=34.77	Pass
			2	22.54	0.34	20.73	<=34.77	Pass
			3	22.52	0.34	20.71	<=34.77	Pass
		6	0	21.49	0.34	19.68	<=34.77	Pass
	715.3	1	0	22.45	0.34	20.64	<=34.77	Pass
			2	22.35	0.34	20.54	<=34.77	Pass
			5	21.91	0.34	20.10	<=34.77	Pass
		3	0	22.19	0.34	20.38	<=34.77	Pass
			2	22.27	0.34	20.46	<=34.77	Pass
			3	22.15	0.34	20.34	<=34.77	Pass
		6	0	21.50	0.34	19.69	<=34.77	Pass
64QAM	699.7	1	0	22.31	0.34	20.50	<=34.77	Pass
			2	22.39	0.34	20.58	<=34.77	Pass
			5	22.46	0.34	20.65	<=34.77	Pass
		3	0	22.58	0.34	20.77	<=34.77	Pass
			2	22.43	0.34	20.62	<=34.77	Pass
			3	22.69	0.34	20.88	<=34.77	Pass
		6	0	21.52	0.34	19.71	<=34.77	Pass

	707.5	1	0	22.38	0.34	20.57	<=34.77	Pass
			2	21.98	0.34	20.17	<=34.77	Pass
			5	21.75	0.34	19.94	<=34.77	Pass
		3	0	21.95	0.34	20.14	<=34.77	Pass
			2	22.52	0.34	20.71	<=34.77	Pass
			3	22.47	0.34	20.66	<=34.77	Pass
	715.3	6	0	21.68	0.34	19.87	<=34.77	Pass
			0	22.03	0.34	20.22	<=34.77	Pass
			2	22.29	0.34	20.48	<=34.77	Pass
		1	5	22.33	0.34	20.52	<=34.77	Pass
			0	22.25	0.34	20.44	<=34.77	Pass
			2	22.32	0.34	20.51	<=34.77	Pass
		3	3	22.41	0.34	20.60	<=34.77	Pass
			0	21.45	0.34	19.64	<=34.77	Pass
			0					

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	23.66	0.34	21.85	<=34.77	Pass
			7	23.46	0.34	21.65	<=34.77	Pass
			14	23.71	0.34	21.90	<=34.77	Pass
		8	0	22.74	0.34	20.93	<=34.77	Pass
			4	22.72	0.34	20.91	<=34.77	Pass
			7	22.76	0.34	20.95	<=34.77	Pass
		15	0	22.71	0.34	20.90	<=34.77	Pass
	707.5	1	0	23.76	0.34	21.95	<=34.77	Pass
			7	23.90	0.34	22.09	<=34.77	Pass
			14	23.61	0.34	21.80	<=34.77	Pass
		8	0	22.72	0.34	20.91	<=34.77	Pass
			4	22.57	0.34	20.76	<=34.77	Pass
			7	22.57	0.34	20.76	<=34.77	Pass
		15	0	22.47	0.34	20.66	<=34.77	Pass
	714.5	1	0	23.65	0.34	21.84	<=34.77	Pass
			7	23.65	0.34	21.84	<=34.77	Pass
			14	23.59	0.34	21.78	<=34.77	Pass
		8	0	22.53	0.34	20.72	<=34.77	Pass
			4	22.46	0.34	20.65	<=34.77	Pass
			7	22.29	0.34	20.48	<=34.77	Pass
		15	0	22.40	0.34	20.59	<=34.77	Pass
16QAM	700.5	1	0	22.39	0.34	20.58	<=34.77	Pass
			7	22.36	0.34	20.55	<=34.77	Pass
			14	21.61	0.34	19.80	<=34.77	Pass
		8	0	21.54	0.34	19.73	<=34.77	Pass
			4	21.56	0.34	19.75	<=34.77	Pass
			7	21.53	0.34	19.72	<=34.77	Pass
		15	0	21.99	0.34	20.18	<=34.77	Pass
	707.5	1	0	22.77	0.34	20.96	<=34.77	Pass
			7	22.31	0.34	20.50	<=34.77	Pass
			14	21.70	0.34	19.89	<=34.77	Pass
		8	0	21.67	0.34	19.86	<=34.77	Pass
			4	21.58	0.34	19.77	<=34.77	Pass
			7	21.57	0.34	19.76	<=34.77	Pass
		15	0	21.51	0.34	19.70	<=34.77	Pass
	714.5	1	0	22.24	0.34	20.43	<=34.77	Pass

			7	22.46	0.34	20.65	<=34.77	Pass
			14	22.26	0.34	20.45	<=34.77	Pass
64QAM	700.5	8	0	21.39	0.34	19.58	<=34.77	Pass
			4	21.58	0.34	19.77	<=34.77	Pass
			7	21.47	0.34	19.66	<=34.77	Pass
			0	21.25	0.34	19.44	<=34.77	Pass
			15	22.24	0.34	20.43	<=34.77	Pass
		1	7	22.30	0.34	20.49	<=34.77	Pass
			14	22.32	0.34	20.51	<=34.77	Pass
			0	21.69	0.34	19.88	<=34.77	Pass
			4	21.61	0.34	19.80	<=34.77	Pass
			7	21.66	0.34	19.85	<=34.77	Pass
			15	21.69	0.34	19.88	<=34.77	Pass
	707.5	1	0	22.13	0.34	20.32	<=34.77	Pass
			7	22.47	0.34	20.66	<=34.77	Pass
			14	22.14	0.34	20.33	<=34.77	Pass
		8	0	21.47	0.34	19.66	<=34.77	Pass
			4	21.59	0.34	19.78	<=34.77	Pass
			7	21.55	0.34	19.74	<=34.77	Pass
			15	21.42	0.34	19.61	<=34.77	Pass
	714.5	1	0	22.06	0.34	20.25	<=34.77	Pass
			7	22.20	0.34	20.39	<=34.77	Pass
			14	22.10	0.34	20.29	<=34.77	Pass
		8	0	21.39	0.34	19.58	<=34.77	Pass
			4	21.54	0.34	19.73	<=34.77	Pass
			7	21.54	0.34	19.73	<=34.77	Pass
			15	21.45	0.34	19.64	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	23.61	0.34	21.80	<=34.77	Pass
			13	23.85	0.34	22.04	<=34.77	Pass
			24	23.63	0.34	21.82	<=34.77	Pass
		12	0	22.71	0.34	20.90	<=34.77	Pass
			6	22.77	0.34	20.96	<=34.77	Pass
			13	22.76	0.34	20.95	<=34.77	Pass
		25	0	22.71	0.34	20.90	<=34.77	Pass
	707.5	1	0	23.64	0.34	21.83	<=34.77	Pass
			13	23.69	0.34	21.88	<=34.77	Pass
			24	23.28	0.34	21.47	<=34.77	Pass
		12	0	22.76	0.34	20.95	<=34.77	Pass
			6	22.60	0.34	20.79	<=34.77	Pass
			13	22.51	0.34	20.70	<=34.77	Pass
		25	0	22.53	0.34	20.72	<=34.77	Pass
	713.5	1	0	23.62	0.34	21.81	<=34.77	Pass
			13	23.66	0.34	21.85	<=34.77	Pass
			24	23.37	0.34	21.56	<=34.77	Pass
		12	0	22.38	0.34	20.57	<=34.77	Pass
			6	22.37	0.34	20.56	<=34.77	Pass
			13	22.23	0.34	20.42	<=34.77	Pass
		25	0	22.32	0.34	20.51	<=34.77	Pass
16QAM	701.5	1	0	22.60	0.34	20.79	<=34.77	Pass
			13	22.54	0.34	20.73	<=34.77	Pass

		12	24	22.38	0.34	20.57	<=34.77	Pass	
			0	21.76	0.34	19.95	<=34.77	Pass	
			6	21.83	0.34	20.02	<=34.77	Pass	
			13	21.58	0.34	19.77	<=34.77	Pass	
		25	0	21.50	0.34	19.69	<=34.77	Pass	
	707.5	1	0	22.43	0.34	20.62	<=34.77	Pass	
			13	22.34	0.34	20.53	<=34.77	Pass	
			24	21.99	0.34	20.18	<=34.77	Pass	
		12	0	21.76	0.34	19.95	<=34.77	Pass	
			6	21.63	0.34	19.82	<=34.77	Pass	
			13	21.57	0.34	19.76	<=34.77	Pass	
		25	0	21.42	0.34	19.61	<=34.77	Pass	
		713.5	1	0	22.20	0.34	20.39	<=34.77	Pass
	13			22.42	0.34	20.61	<=34.77	Pass	
	24			22.15	0.34	20.34	<=34.77	Pass	
	12		0	21.28	0.34	19.47	<=34.77	Pass	
			6	21.23	0.34	19.42	<=34.77	Pass	
			13	21.20	0.34	19.39	<=34.77	Pass	
	25		0	21.30	0.34	19.49	<=34.77	Pass	
	64QAM	701.5	1	0	22.05	0.34	20.24	<=34.77	Pass
				13	22.17	0.34	20.36	<=34.77	Pass
24				21.74	0.34	19.93	<=34.77	Pass	
12			0	21.56	0.34	19.75	<=34.77	Pass	
			6	21.65	0.34	19.84	<=34.77	Pass	
			13	21.56	0.34	19.75	<=34.77	Pass	
25			0	21.85	0.34	20.04	<=34.77	Pass	
707.5		1	0	22.12	0.34	20.31	<=34.77	Pass	
			13	22.15	0.34	20.34	<=34.77	Pass	
			24	21.31	0.34	19.50	<=34.77	Pass	
		12	0	21.59	0.34	19.78	<=34.77	Pass	
			6	21.78	0.34	19.97	<=34.77	Pass	
			13	21.59	0.34	19.78	<=34.77	Pass	
		25	0	21.53	0.34	19.72	<=34.77	Pass	
713.5		1	0	22.30	0.34	20.49	<=34.77	Pass	
			13	22.24	0.34	20.43	<=34.77	Pass	
			24	21.87	0.34	20.06	<=34.77	Pass	
		12	0	21.25	0.34	19.44	<=34.77	Pass	
			6	21.24	0.34	19.43	<=34.77	Pass	
			13	21.32	0.34	19.51	<=34.77	Pass	
		25	0	21.36	0.34	19.55	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	23.65	0.34	21.84	<=34.77	Pass
			25	23.91	0.34	22.10	<=34.77	Pass
			49	23.49	0.34	21.68	<=34.77	Pass
		25	0	22.63	0.34	20.82	<=34.77	Pass
			13	22.67	0.34	20.86	<=34.77	Pass
			25	22.46	0.34	20.65	<=34.77	Pass
		50	0	22.61	0.34	20.80	<=34.77	Pass
	707.5	1	0	23.56	0.34	21.75	<=34.77	Pass
			25	23.77	0.34	21.96	<=34.77	Pass
			49	23.50	0.34	21.69	<=34.77	Pass

		25	0	22.73	0.34	20.92	<=34.77	Pass		
			13	22.56	0.34	20.75	<=34.77	Pass		
			25	22.43	0.34	20.62	<=34.77	Pass		
		711	50	0	22.28	0.34	20.47	<=34.77	Pass	
				1	0	23.69	0.34	21.88	<=34.77	Pass
					25	23.65	0.34	21.84	<=34.77	Pass
			49		23.26	0.34	21.45	<=34.77	Pass	
			25	0	22.33	0.34	20.52	<=34.77	Pass	
				13	22.43	0.34	20.62	<=34.77	Pass	
	25			22.17	0.34	20.36	<=34.77	Pass		
	50			0	22.24	0.34	20.43	<=34.77	Pass	
16QAM	704	1	0	22.49	0.34	20.68	<=34.77	Pass		
			25	22.59	0.34	20.78	<=34.77	Pass		
			49	22.27	0.34	20.46	<=34.77	Pass		
		25	0	21.69	0.34	19.88	<=34.77	Pass		
			13	21.83	0.34	20.02	<=34.77	Pass		
			25	21.61	0.34	19.80	<=34.77	Pass		
			50	0	21.68	0.34	19.87	<=34.77	Pass	
			707.5	1	0	22.39	0.34	20.58	<=34.77	Pass
					25	22.39	0.34	20.58	<=34.77	Pass
	49	22.02			0.34	20.21	<=34.77	Pass		
	25	0		21.51	0.34	19.70	<=34.77	Pass		
		13		21.75	0.34	19.94	<=34.77	Pass		
		25		21.38	0.34	19.57	<=34.77	Pass		
	50	0	21.35	0.34	19.54	<=34.77	Pass			
	711	1	0	22.32	0.34	20.51	<=34.77	Pass		
			25	22.43	0.34	20.62	<=34.77	Pass		
			49	22.01	0.34	20.20	<=34.77	Pass		
		25	0	21.55	0.34	19.74	<=34.77	Pass		
			13	21.51	0.34	19.70	<=34.77	Pass		
			25	21.36	0.34	19.55	<=34.77	Pass		
			50	0	21.65	0.34	19.84	<=34.77	Pass	
	64QAM	704	1	0	22.15	0.34	20.34	<=34.77	Pass	
25				22.50	0.34	20.69	<=34.77	Pass		
49				22.21	0.34	20.40	<=34.77	Pass		
25			0	21.52	0.34	19.71	<=34.77	Pass		
			13	21.74	0.34	19.93	<=34.77	Pass		
			25	21.65	0.34	19.84	<=34.77	Pass		
			50	0	21.72	0.34	19.91	<=34.77	Pass	
			707.5	1	0	22.14	0.34	20.33	<=34.77	Pass
					25	22.24	0.34	20.43	<=34.77	Pass
49		21.84			0.34	20.03	<=34.77	Pass		
25		0		21.63	0.34	19.82	<=34.77	Pass		
		13		21.67	0.34	19.86	<=34.77	Pass		
		25		21.38	0.34	19.57	<=34.77	Pass		
50		0	21.35	0.34	19.54	<=34.77	Pass			
711		1	0	22.06	0.34	20.25	<=34.77	Pass		
			25	22.50	0.34	20.69	<=34.77	Pass		
			49	21.64	0.34	19.83	<=34.77	Pass		
		25	0	21.60	0.34	19.79	<=34.77	Pass		
			13	21.50	0.34	19.69	<=34.77	Pass		
			25	21.39	0.34	19.58	<=34.77	Pass		
			50	0	21.55	0.34	19.74	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15										

2. Frequency Stability

2.1 Test Result

2.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	20.4	-11.900	-0.0170	-2.5 to 2.5	Pass
					24	-9.600	-0.0137	-2.5 to 2.5	Pass
					27.6	-9.100	-0.0130	-2.5 to 2.5	Pass
				-30	24	-7.700	-0.0110	-2.5 to 2.5	Pass
				-20	24	-6.300	-0.0090	-2.5 to 2.5	Pass
				-10	24	-6.400	-0.0091	-2.5 to 2.5	Pass
				0	24	-5.500	-0.0079	-2.5 to 2.5	Pass
				10	24	-5.700	-0.0081	-2.5 to 2.5	Pass
				30	24	-4.600	-0.0066	-2.5 to 2.5	Pass
				40	24	-6.200	-0.0089	-2.5 to 2.5	Pass
				50	24	-2.500	-0.0036	-2.5 to 2.5	Pass
	707.5	6	0	20	20.4	-6.100	-0.0086	-2.5 to 2.5	Pass
					24	-5.900	-0.0083	-2.5 to 2.5	Pass
					27.6	-4.900	-0.0069	-2.5 to 2.5	Pass
				-30	24	-4.600	-0.0065	-2.5 to 2.5	Pass
				-20	24	-4.600	-0.0065	-2.5 to 2.5	Pass
				-10	24	-3.900	-0.0055	-2.5 to 2.5	Pass
				0	24	-4.500	-0.0064	-2.5 to 2.5	Pass
				10	24	-2.900	-0.0041	-2.5 to 2.5	Pass
				30	24	-3.800	-0.0054	-2.5 to 2.5	Pass
				40	24	-3.000	-0.0042	-2.5 to 2.5	Pass
				50	24	-3.500	-0.0049	-2.5 to 2.5	Pass
	715.3	6	0	20	20.4	2.100	0.0029	-2.5 to 2.5	Pass
					24	2.500	0.0035	-2.5 to 2.5	Pass
					27.6	1.200	0.0017	-2.5 to 2.5	Pass
				-30	24	2.600	0.0036	-2.5 to 2.5	Pass
				-20	24	1.800	0.0025	-2.5 to 2.5	Pass
				-10	24	-0.700	-0.0010	-2.5 to 2.5	Pass
				0	24	-1.000	-0.0014	-2.5 to 2.5	Pass
				10	24	-0.300	-0.0004	-2.5 to 2.5	Pass
				30	24	2.000	0.0028	-2.5 to 2.5	Pass
				40	24	0.800	0.0011	-2.5 to 2.5	Pass
				50	24	0.300	0.0004	-2.5 to 2.5	Pass

2.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	20.4	2.100	0.0030	-2.5 to 2.5	Pass
					24	-0.600	-0.0009	-2.5 to 2.5	Pass
					27.6	0.600	0.0009	-2.5 to 2.5	Pass
				-30	24	1.700	0.0024	-2.5 to 2.5	Pass
				-20	24	3.800	0.0054	-2.5 to 2.5	Pass
				-10	24	1.000	0.0014	-2.5 to 2.5	Pass
				0	24	0.500	0.0007	-2.5 to 2.5	Pass
				10	24	0.400	0.0006	-2.5 to 2.5	Pass

				30	24	0.900	0.0013	-2.5 to 2.5	Pass
				40	24	2.200	0.0031	-2.5 to 2.5	Pass
				50	24	1.700	0.0024	-2.5 to 2.5	Pass
	707.5	15	0	20	20.4	4.100	0.0058	-2.5 to 2.5	Pass
					24	2.600	0.0037	-2.5 to 2.5	Pass
					27.6	3.000	0.0042	-2.5 to 2.5	Pass
				-30	24	3.200	0.0045	-2.5 to 2.5	Pass
				-20	24	4.400	0.0062	-2.5 to 2.5	Pass
				-10	24	4.500	0.0064	-2.5 to 2.5	Pass
				0	24	2.900	0.0041	-2.5 to 2.5	Pass
				10	24	3.700	0.0052	-2.5 to 2.5	Pass
				30	24	2.700	0.0038	-2.5 to 2.5	Pass
				40	24	4.600	0.0065	-2.5 to 2.5	Pass
				50	24	4.300	0.0061	-2.5 to 2.5	Pass
	714.5	15	0	20	20.4	4.300	0.0060	-2.5 to 2.5	Pass
					24	4.400	0.0062	-2.5 to 2.5	Pass
					27.6	4.600	0.0064	-2.5 to 2.5	Pass
				-30	24	3.800	0.0053	-2.5 to 2.5	Pass
				-20	24	4.900	0.0069	-2.5 to 2.5	Pass
				-10	24	6.100	0.0085	-2.5 to 2.5	Pass
				0	24	4.800	0.0067	-2.5 to 2.5	Pass
				10	24	4.700	0.0066	-2.5 to 2.5	Pass
				30	24	5.900	0.0083	-2.5 to 2.5	Pass
				40	24	5.200	0.0073	-2.5 to 2.5	Pass
				50	24	3.200	0.0045	-2.5 to 2.5	Pass

2.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	20.4	5.300	0.0076	-2.5 to 2.5	Pass
					24	3.600	0.0051	-2.5 to 2.5	Pass
					27.6	3.600	0.0051	-2.5 to 2.5	Pass
				-30	24	4.000	0.0057	-2.5 to 2.5	Pass
				-20	24	1.900	0.0027	-2.5 to 2.5	Pass
				-10	24	3.700	0.0053	-2.5 to 2.5	Pass
				0	24	4.300	0.0061	-2.5 to 2.5	Pass
				10	24	1.000	0.0014	-2.5 to 2.5	Pass
				30	24	0.600	0.0009	-2.5 to 2.5	Pass
				40	24	3.900	0.0056	-2.5 to 2.5	Pass
				50	24	4.200	0.0060	-2.5 to 2.5	Pass
	707.5	25	0	20	20.4	3.300	0.0047	-2.5 to 2.5	Pass
					24	3.900	0.0055	-2.5 to 2.5	Pass
					27.6	2.800	0.0040	-2.5 to 2.5	Pass
				-30	24	3.800	0.0054	-2.5 to 2.5	Pass
				-20	24	4.700	0.0066	-2.5 to 2.5	Pass
				-10	24	2.600	0.0037	-2.5 to 2.5	Pass
				0	24	2.100	0.0030	-2.5 to 2.5	Pass
				10	24	2.900	0.0041	-2.5 to 2.5	Pass
				30	24	2.500	0.0035	-2.5 to 2.5	Pass
				40	24	3.500	0.0049	-2.5 to 2.5	Pass
				50	24	3.200	0.0045	-2.5 to 2.5	Pass
	713.5	25	0	20	20.4	0.200	0.0003	-2.5 to 2.5	Pass
					24	2.800	0.0039	-2.5 to 2.5	Pass
					27.6	1.400	0.0020	-2.5 to 2.5	Pass
				-30	24	2.500	0.0035	-2.5 to 2.5	Pass

				-20	24	1.300	0.0018	-2.5 to 2.5	Pass
				-10	24	2.300	0.0032	-2.5 to 2.5	Pass
				0	24	0.800	0.0011	-2.5 to 2.5	Pass
				10	24	1.000	0.0014	-2.5 to 2.5	Pass
				30	24	1.800	0.0025	-2.5 to 2.5	Pass
				40	24	2.000	0.0028	-2.5 to 2.5	Pass
				50	24	2.300	0.0032	-2.5 to 2.5	Pass

2.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	20.4	2.400	0.0034	-2.5 to 2.5	Pass
					24	1.400	0.0020	-2.5 to 2.5	Pass
					27.6	1.900	0.0027	-2.5 to 2.5	Pass
				-30	24	3.900	0.0055	-2.5 to 2.5	Pass
				-20	24	0.300	0.0004	-2.5 to 2.5	Pass
				-10	24	1.600	0.0023	-2.5 to 2.5	Pass
				0	24	1.200	0.0017	-2.5 to 2.5	Pass
				10	24	1.200	0.0017	-2.5 to 2.5	Pass
				30	24	1.100	0.0016	-2.5 to 2.5	Pass
				40	24	0.800	0.0011	-2.5 to 2.5	Pass
				50	24	1.700	0.0024	-2.5 to 2.5	Pass
	707.5	50	0	20	20.4	2.600	0.0037	-2.5 to 2.5	Pass
					24	2.900	0.0041	-2.5 to 2.5	Pass
					27.6	1.700	0.0024	-2.5 to 2.5	Pass
				-30	24	5.100	0.0072	-2.5 to 2.5	Pass
				-20	24	3.500	0.0049	-2.5 to 2.5	Pass
				-10	24	1.800	0.0025	-2.5 to 2.5	Pass
				0	24	4.000	0.0057	-2.5 to 2.5	Pass
				10	24	2.100	0.0030	-2.5 to 2.5	Pass
				30	24	3.200	0.0045	-2.5 to 2.5	Pass
				40	24	1.700	0.0024	-2.5 to 2.5	Pass
				50	24	3.400	0.0048	-2.5 to 2.5	Pass
	711	50	0	20	20.4	-0.500	-0.0007	-2.5 to 2.5	Pass
					24	3.200	0.0045	-2.5 to 2.5	Pass
					27.6	0.000	0.0000	-2.5 to 2.5	Pass
				-30	24	0.800	0.0011	-2.5 to 2.5	Pass
				-20	24	2.100	0.0030	-2.5 to 2.5	Pass
				-10	24	2.400	0.0034	-2.5 to 2.5	Pass
				0	24	0.800	0.0011	-2.5 to 2.5	Pass
				10	24	1.600	0.0023	-2.5 to 2.5	Pass
				30	24	2.200	0.0031	-2.5 to 2.5	Pass
				40	24	1.400	0.0020	-2.5 to 2.5	Pass
				50	24	2.000	0.0028	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.104	/	Pass
		707.5	6	0	1.098	/	Pass
		715.3	6	0	1.105	/	Pass
	16QAM	699.7	6	0	1.101	/	Pass
		707.5	6	0	1.102	/	Pass
		715.3	6	0	1.106	/	Pass
	64QAM	699.7	6	0	1.095	/	Pass
		707.5	6	0	1.097	/	Pass
		715.3	6	0	1.103	/	Pass
3	QPSK	700.5	15	0	2.738	/	Pass
		707.5	15	0	2.739	/	Pass
		714.5	15	0	2.737	/	Pass
	16QAM	700.5	15	0	2.729	/	Pass
		707.5	15	0	2.722	/	Pass
		714.5	15	0	2.732	/	Pass
	64QAM	700.5	15	0	2.730	/	Pass
		707.5	15	0	2.731	/	Pass
		714.5	15	0	2.740	/	Pass
5	QPSK	701.5	25	0	4.494	/	Pass
		707.5	25	0	4.504	/	Pass
		713.5	25	0	4.499	/	Pass
	16QAM	701.5	25	0	4.490	/	Pass
		707.5	25	0	4.509	/	Pass
		713.5	25	0	4.498	/	Pass
	64QAM	701.5	25	0	4.494	/	Pass
		707.5	25	0	4.502	/	Pass
		713.5	25	0	4.489	/	Pass
10	QPSK	704	50	0	9.009	/	Pass
		707.5	50	0	9.045	/	Pass
		711	50	0	8.981	/	Pass
	16QAM	704	50	0	8.952	/	Pass
		707.5	50	0	8.990	/	Pass
		711	50	0	8.948	/	Pass
	64QAM	704	50	0	8.985	/	Pass
		707.5	50	0	9.009	/	Pass
		711	50	0	8.965	/	Pass

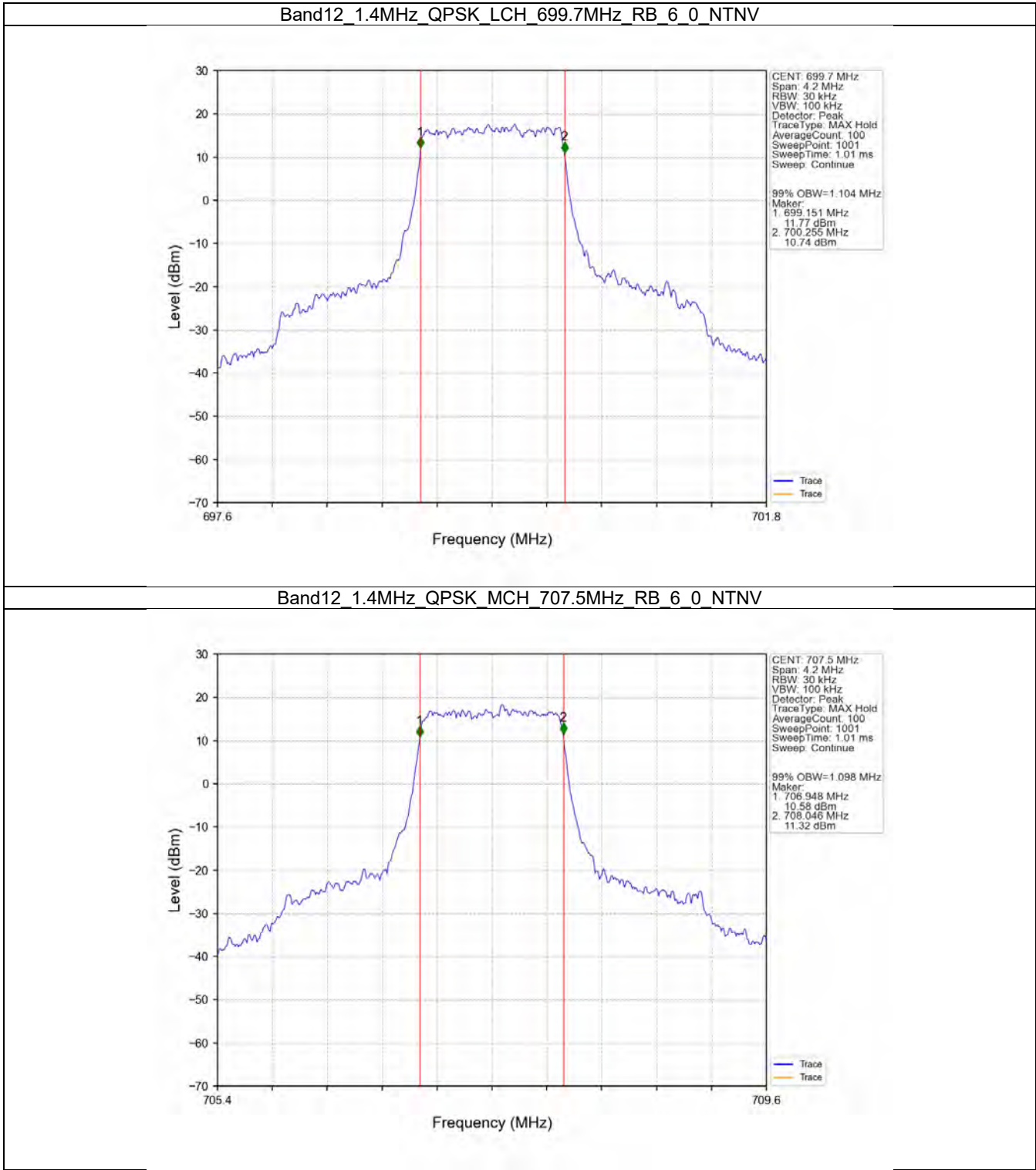
3.1.2 Band12_XDB

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.341	/	Pass
		707.5	6	0	1.283	/	Pass
		715.3	6	0	1.369	/	Pass

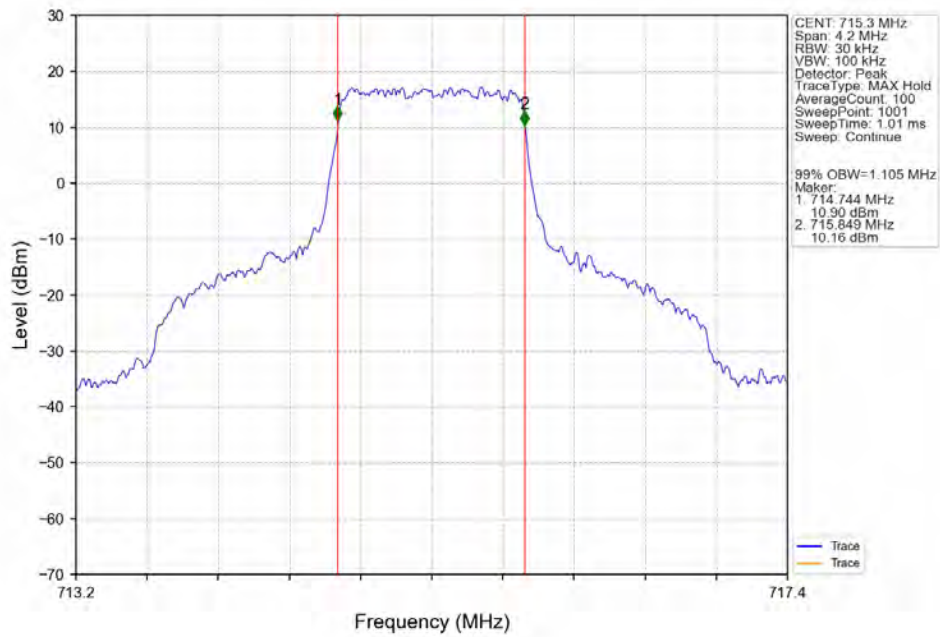
	16QAM	699.7	6	0	1.316	/	Pass
		707.5	6	0	1.303	/	Pass
		715.3	6	0	1.364	/	Pass
	64QAM	699.7	6	0	1.300	/	Pass
		707.5	6	0	1.304	/	Pass
		715.3	6	0	1.315	/	Pass
3	QPSK	700.5	15	0	3.068	/	Pass
		707.5	15	0	3.055	/	Pass
		714.5	15	0	3.087	/	Pass
	16QAM	700.5	15	0	3.049	/	Pass
		707.5	15	0	3.046	/	Pass
		714.5	15	0	3.066	/	Pass
	64QAM	700.5	15	0	3.063	/	Pass
		707.5	15	0	3.063	/	Pass
		714.5	15	0	3.080	/	Pass
5	QPSK	701.5	25	0	5.008	/	Pass
		707.5	25	0	5.052	/	Pass
		713.5	25	0	5.048	/	Pass
	16QAM	701.5	25	0	5.023	/	Pass
		707.5	25	0	5.008	/	Pass
		713.5	25	0	4.999	/	Pass
	64QAM	701.5	25	0	4.962	/	Pass
		707.5	25	0	4.994	/	Pass
		713.5	25	0	4.977	/	Pass
10	QPSK	704	50	0	9.880	/	Pass
		707.5	50	0	9.985	/	Pass
		711	50	0	9.836	/	Pass
	16QAM	704	50	0	9.841	/	Pass
		707.5	50	0	9.886	/	Pass
		711	50	0	9.846	/	Pass
	64QAM	704	50	0	9.919	/	Pass
		707.5	50	0	9.964	/	Pass
		711	50	0	9.900	/	Pass

3.2 Test Graph

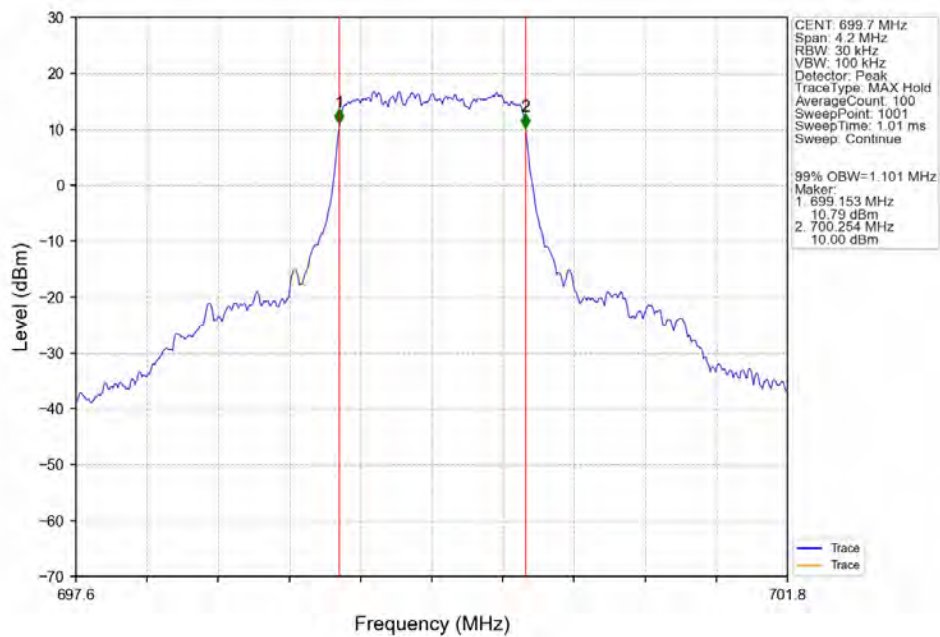
3.2.1 Band12_OBW



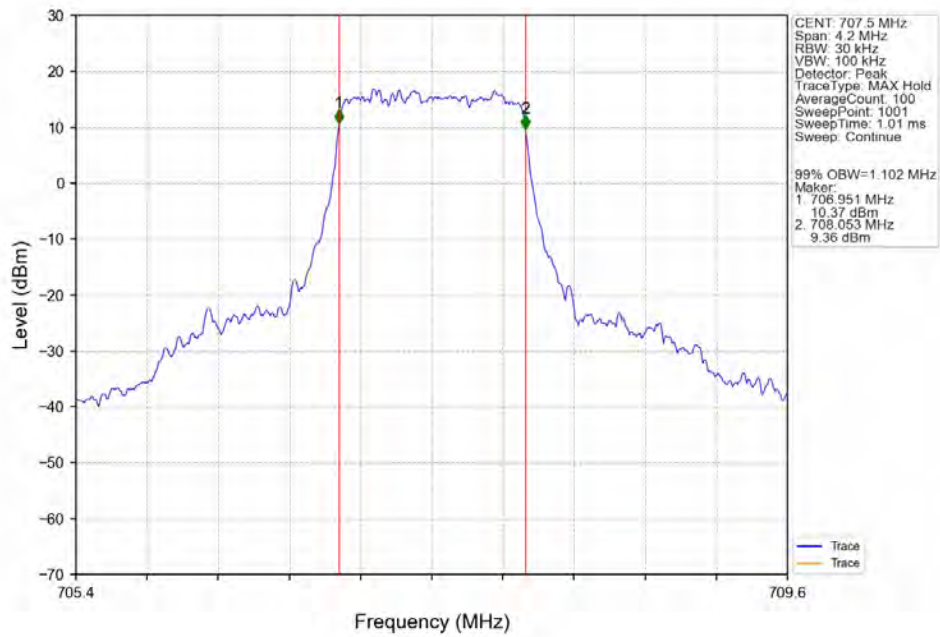
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



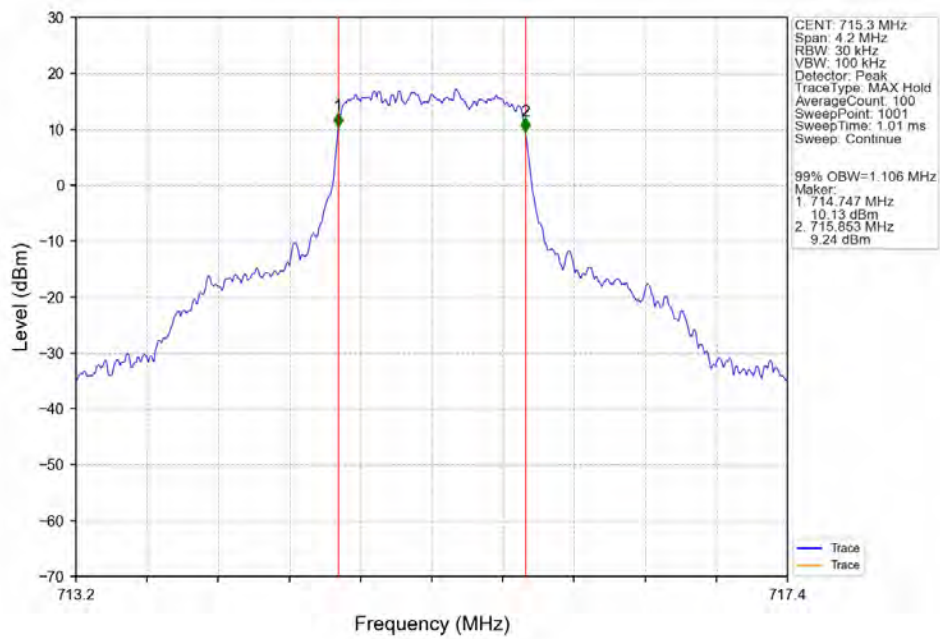
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



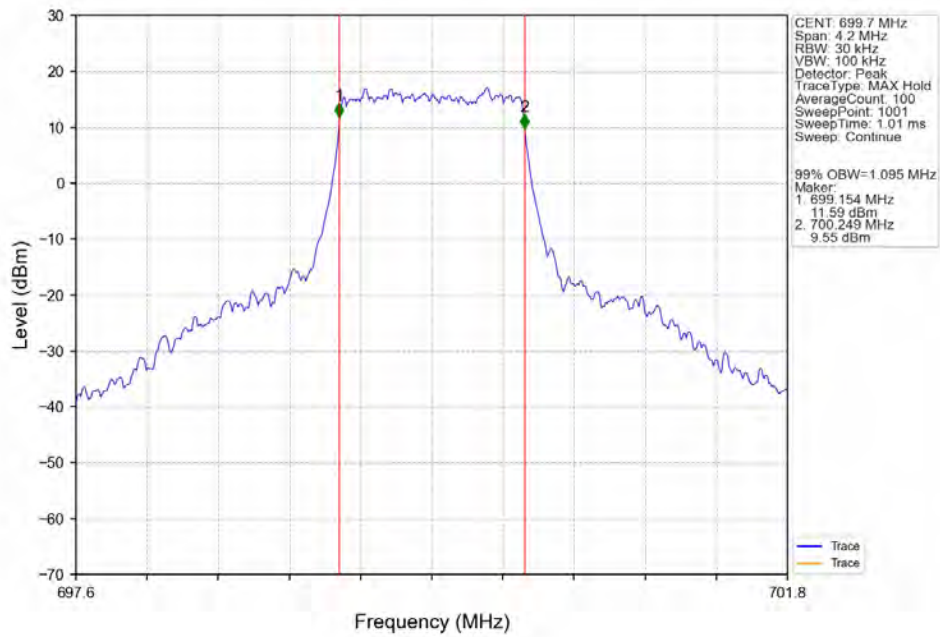
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



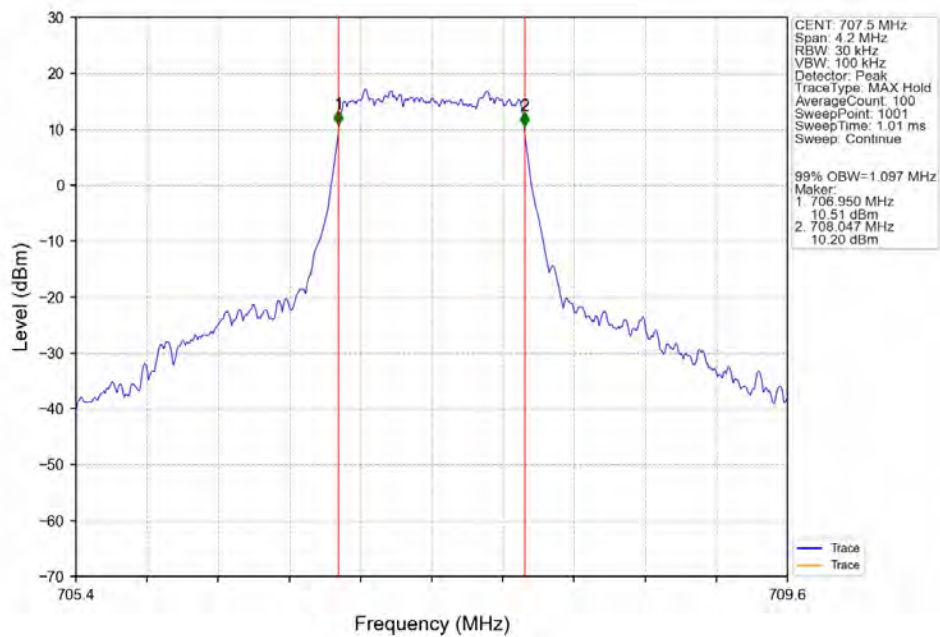
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



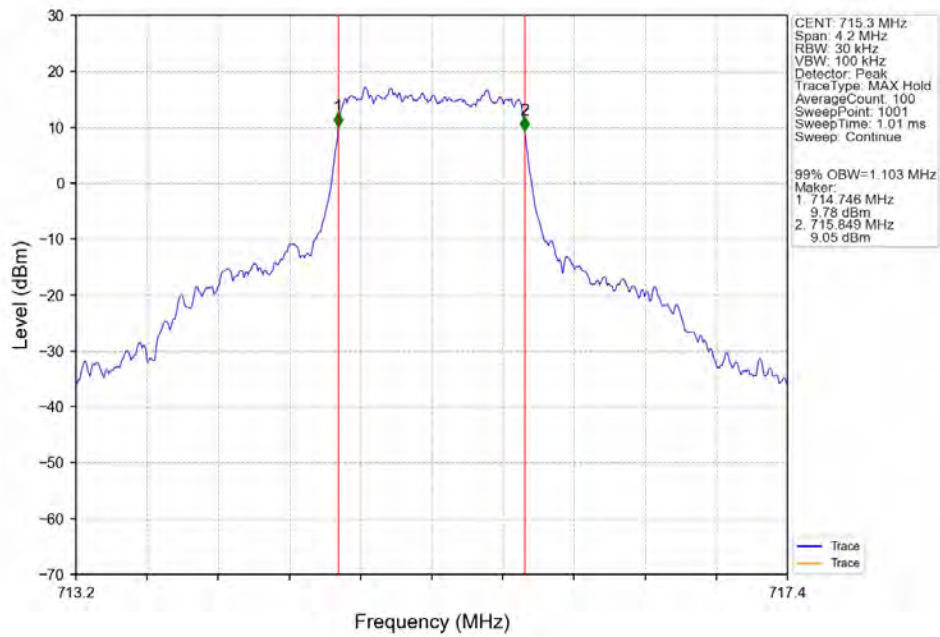
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



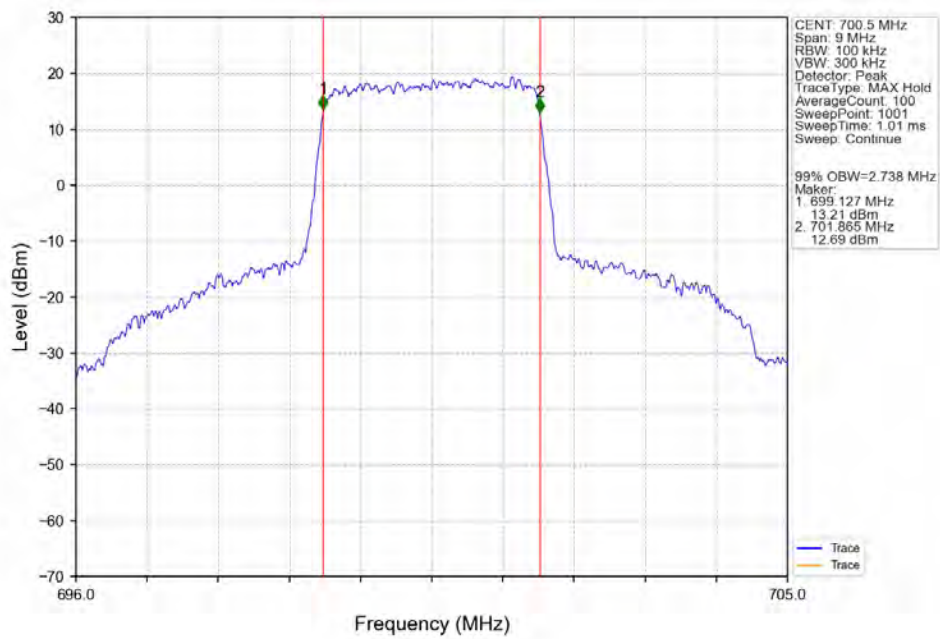
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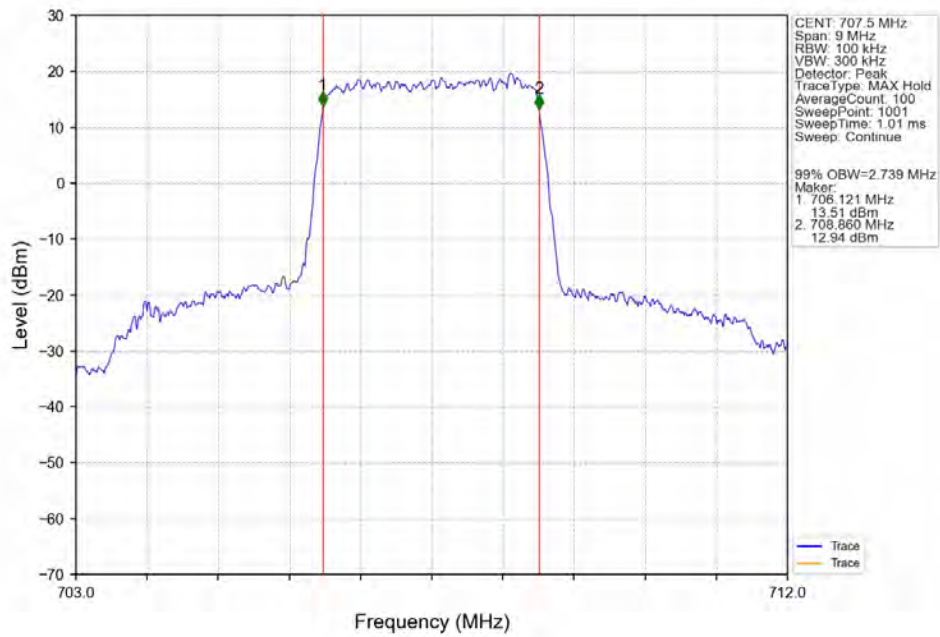
Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



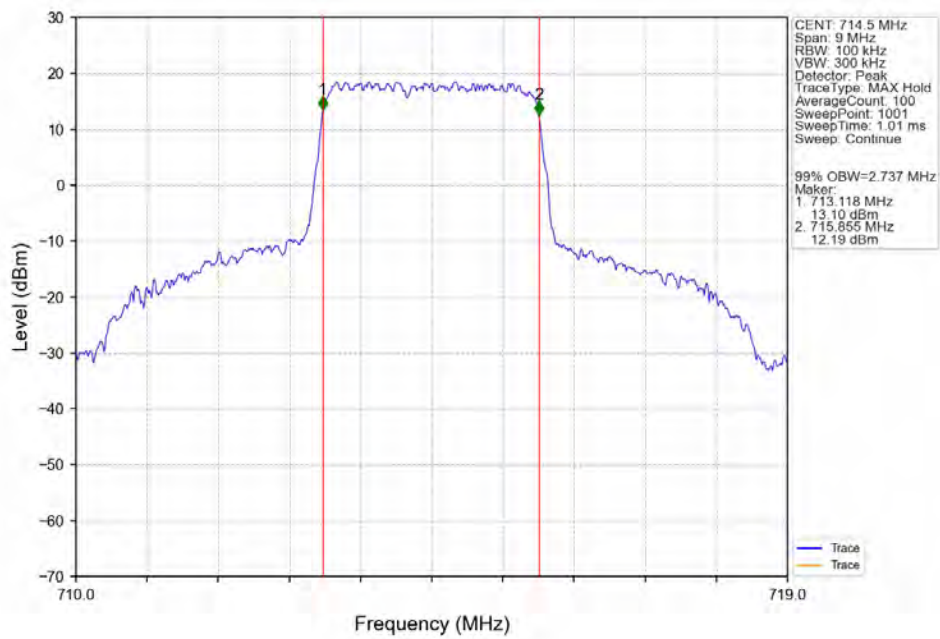
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



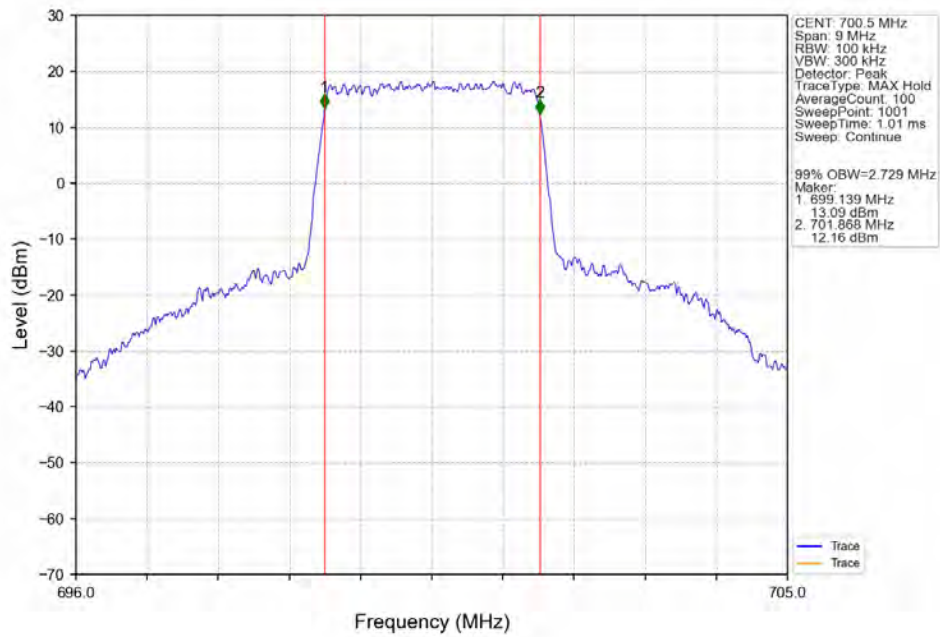
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



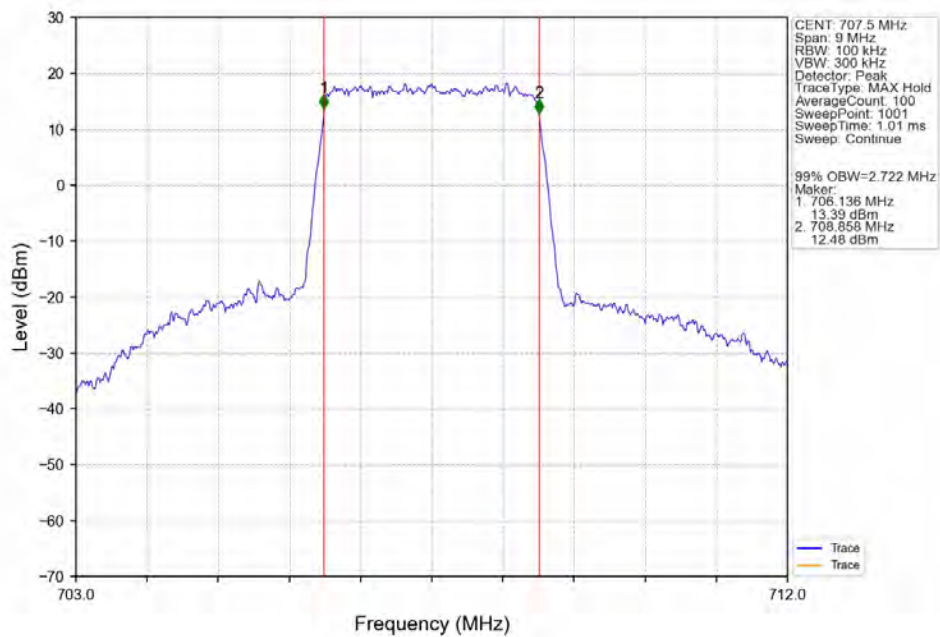
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



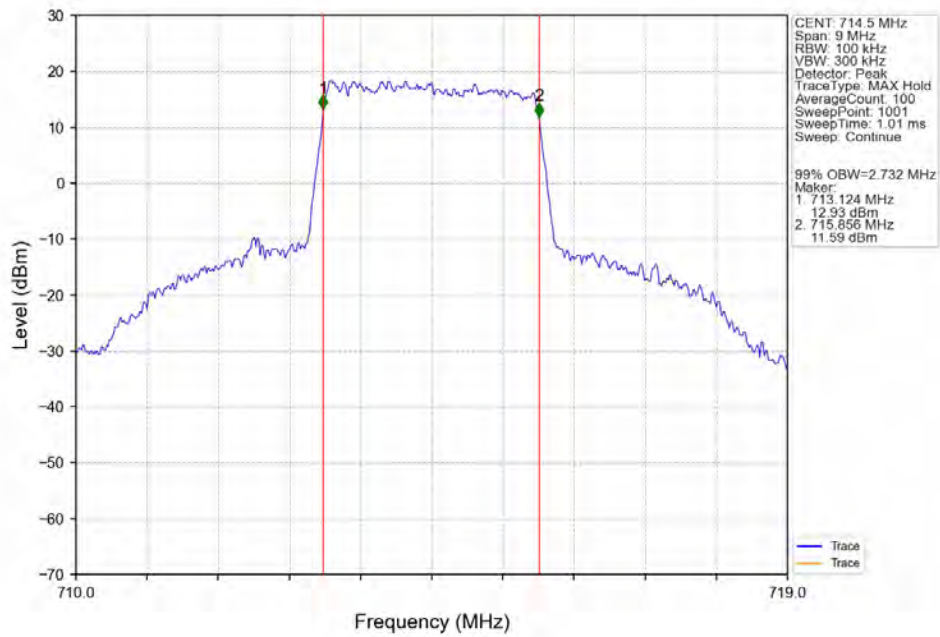
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



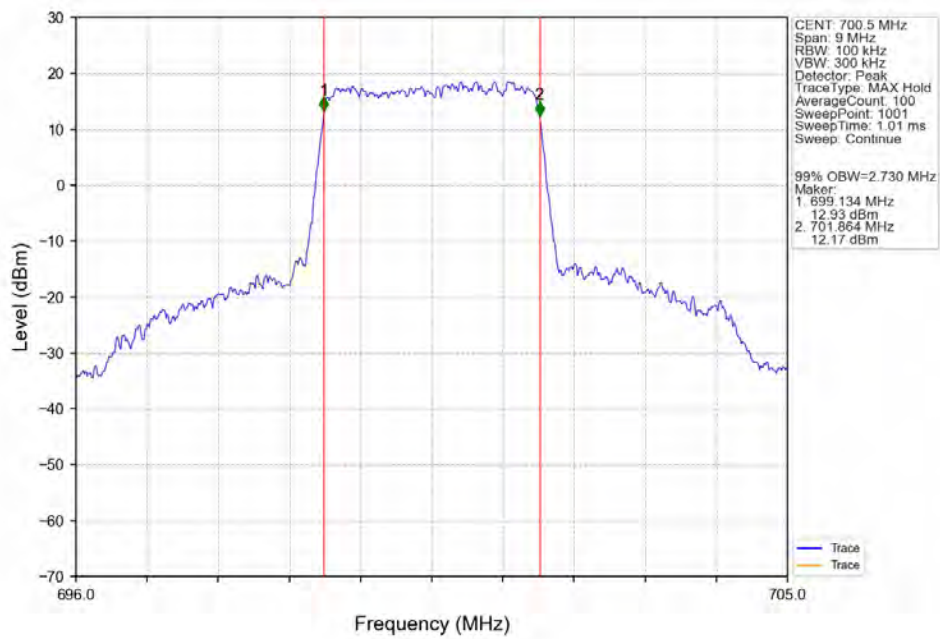
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



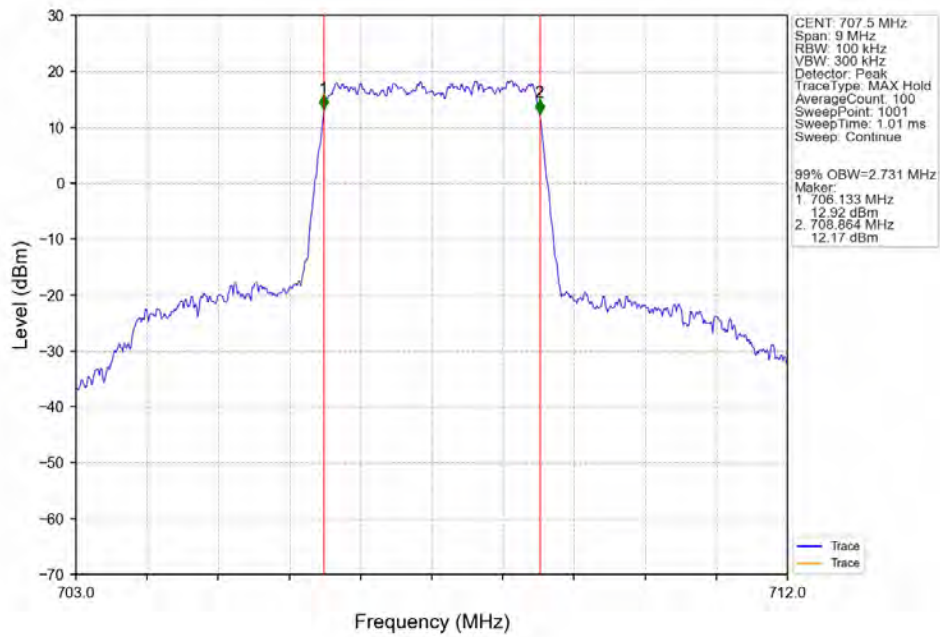
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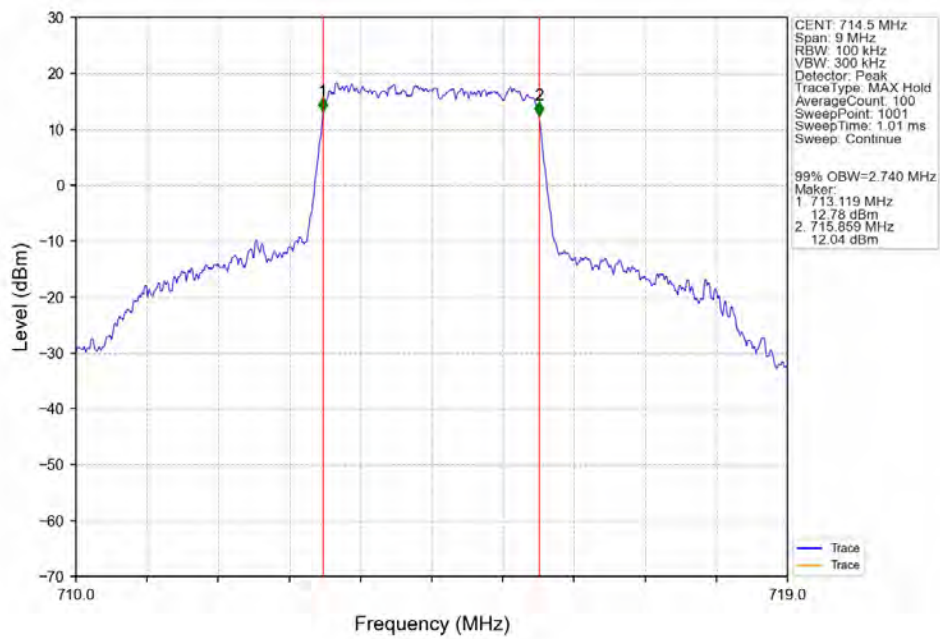
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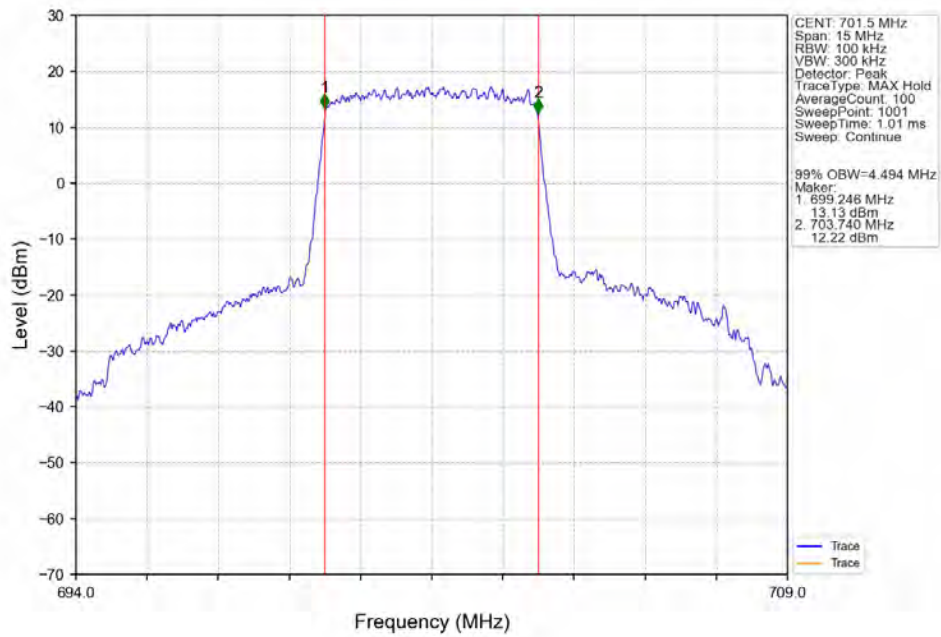
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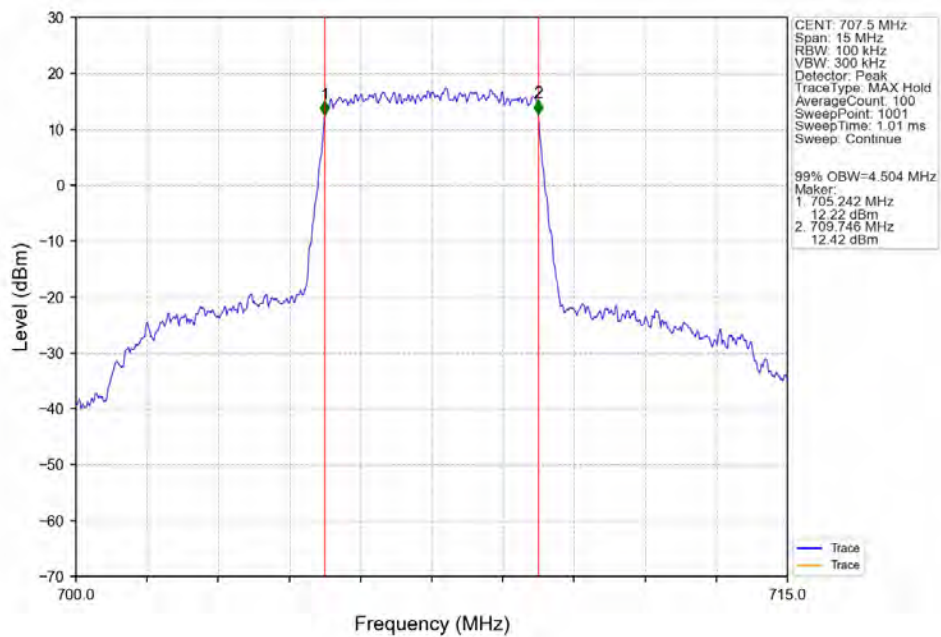
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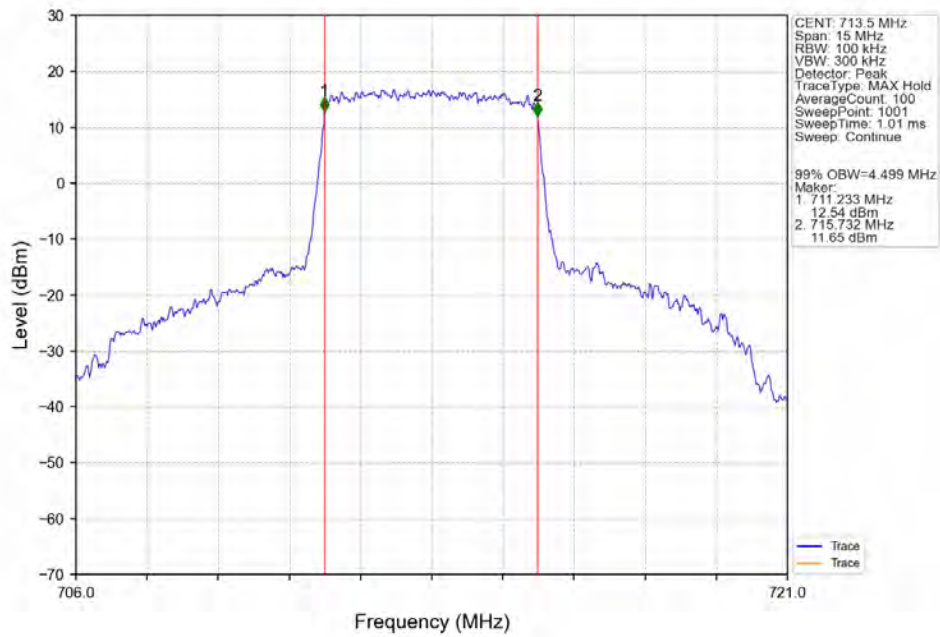
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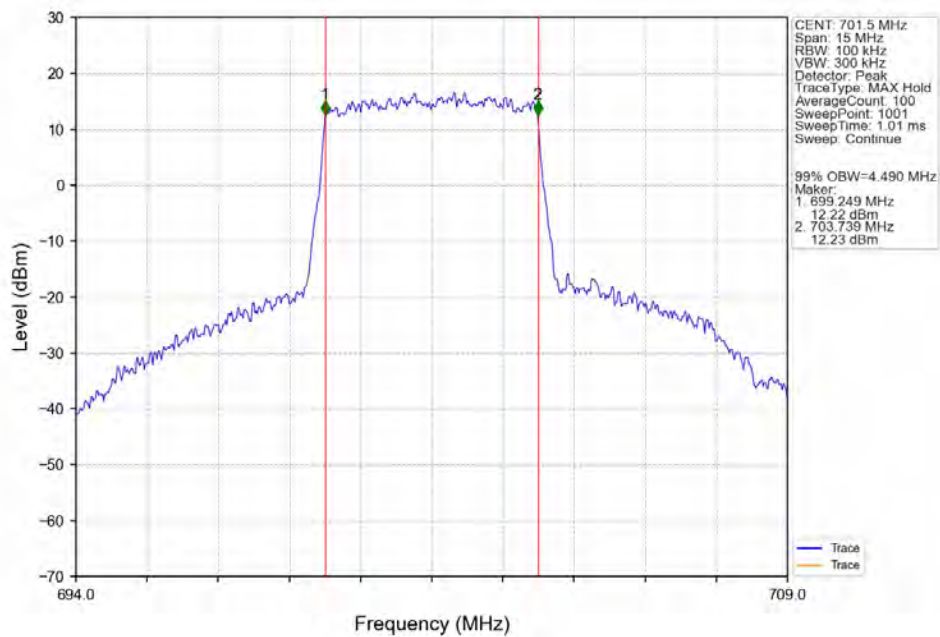
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



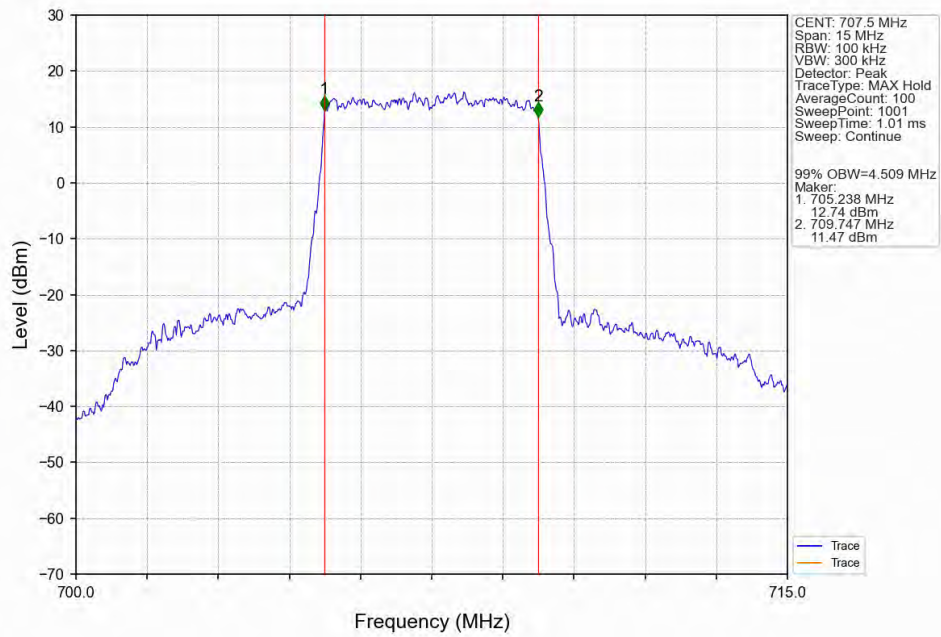
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



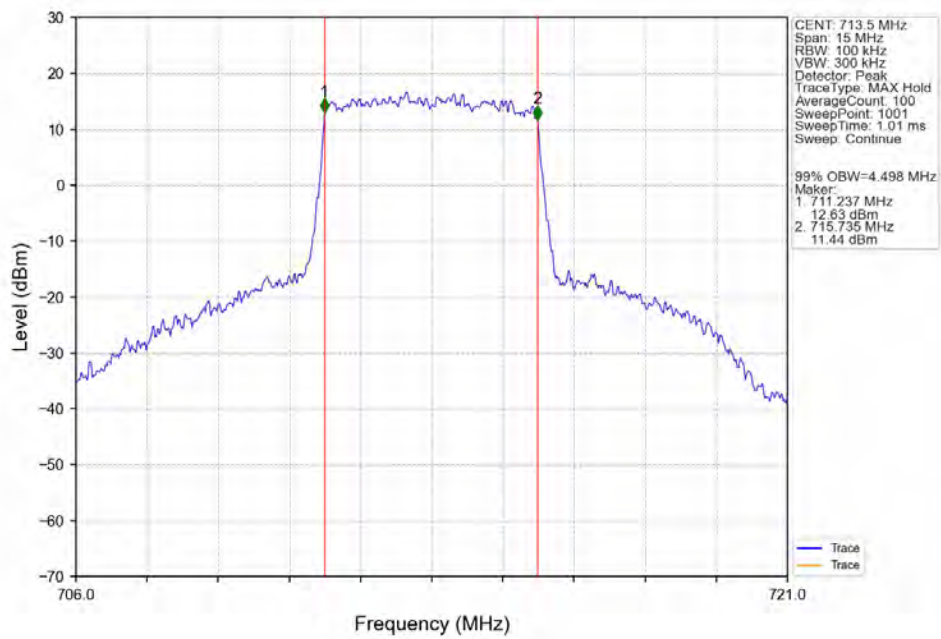
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



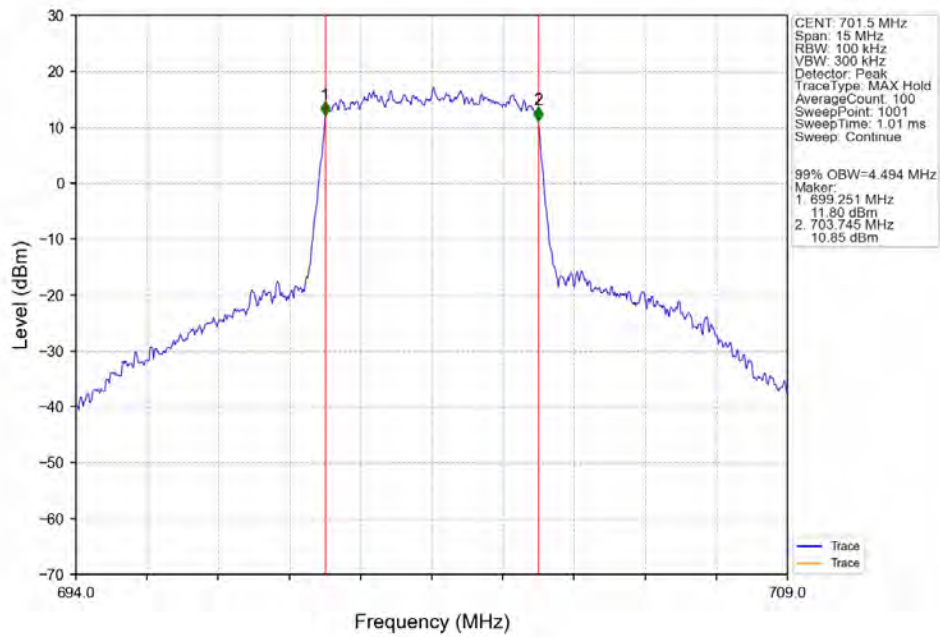
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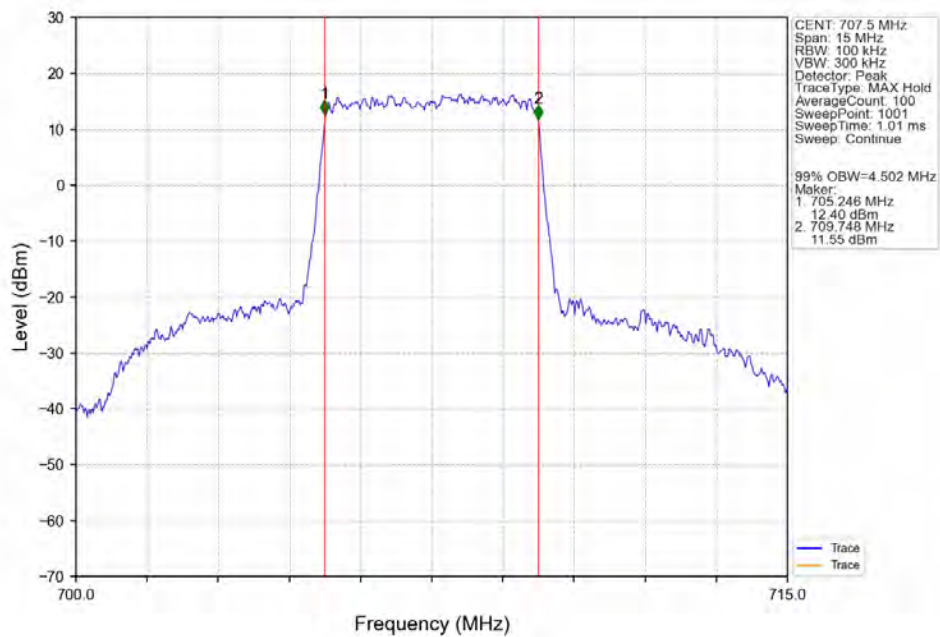
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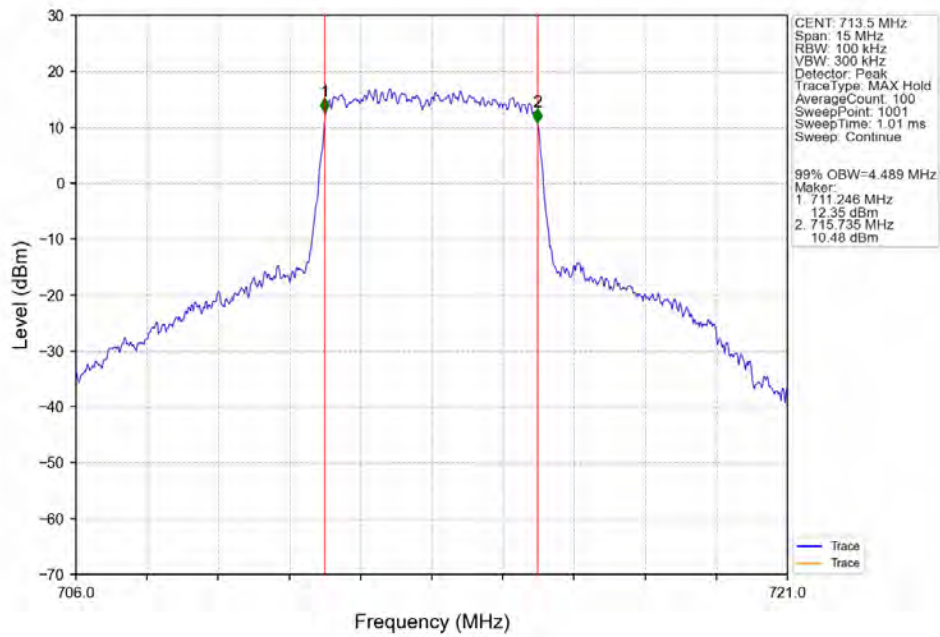
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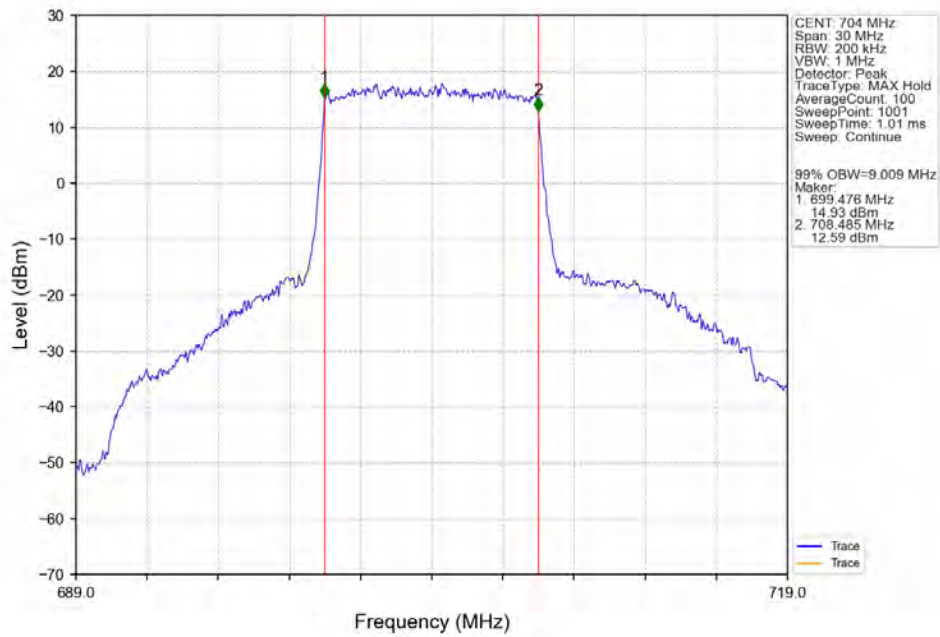
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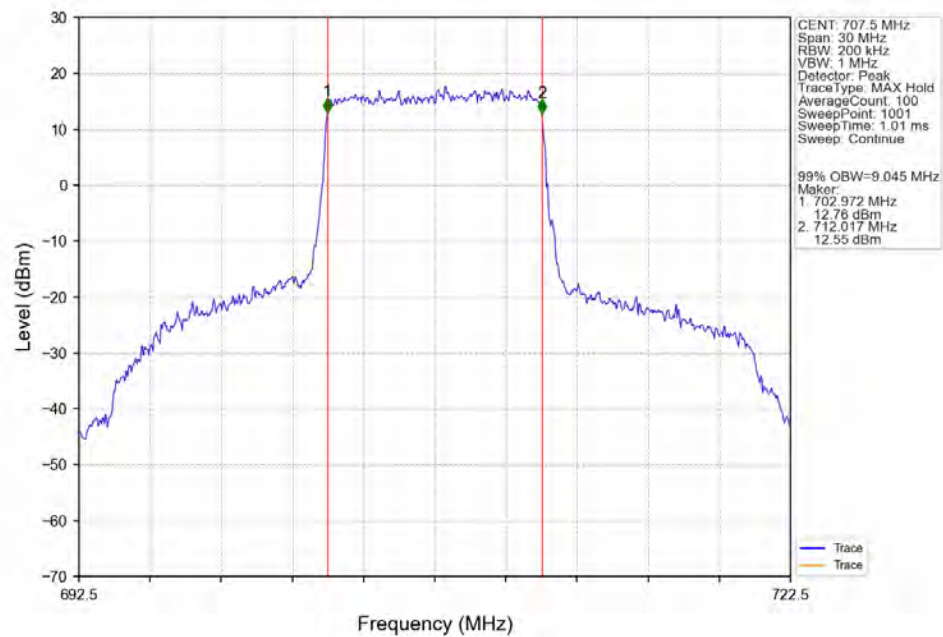
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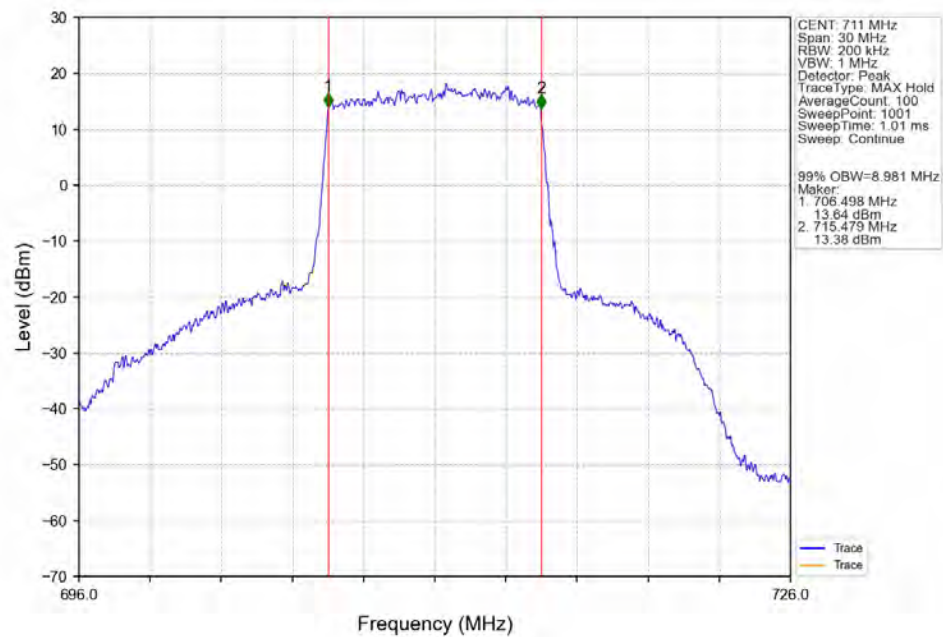
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



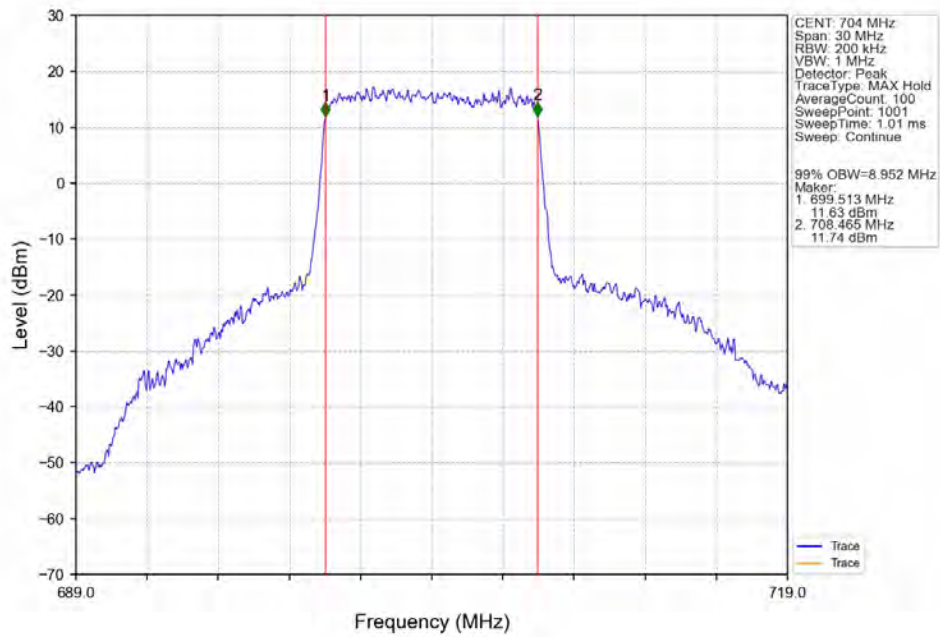
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



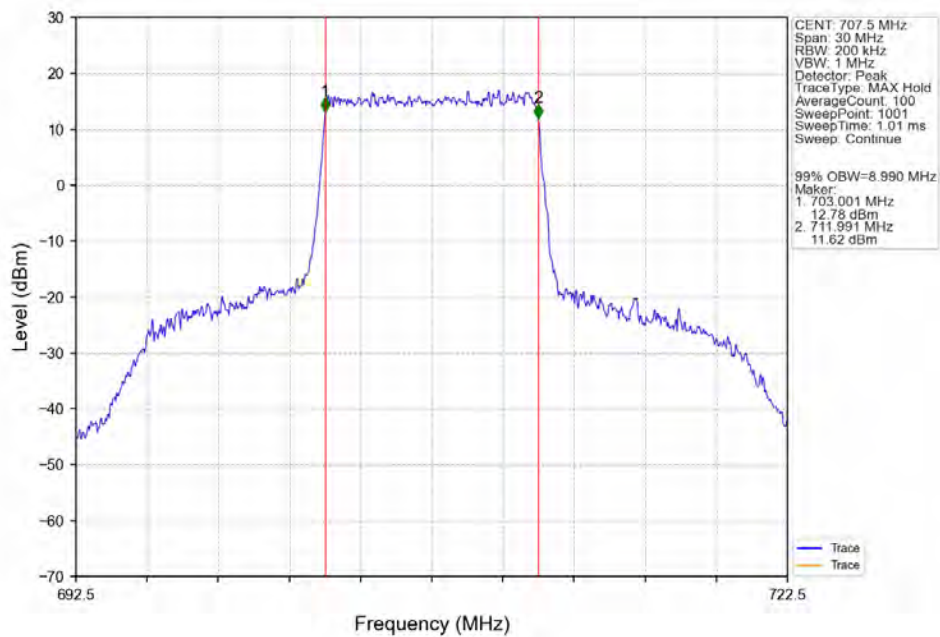
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



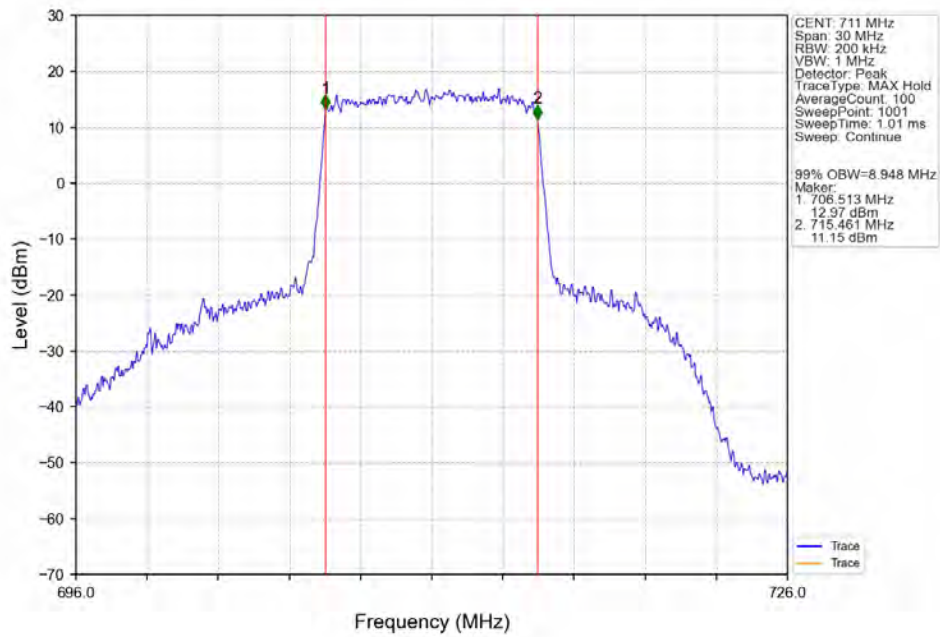
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



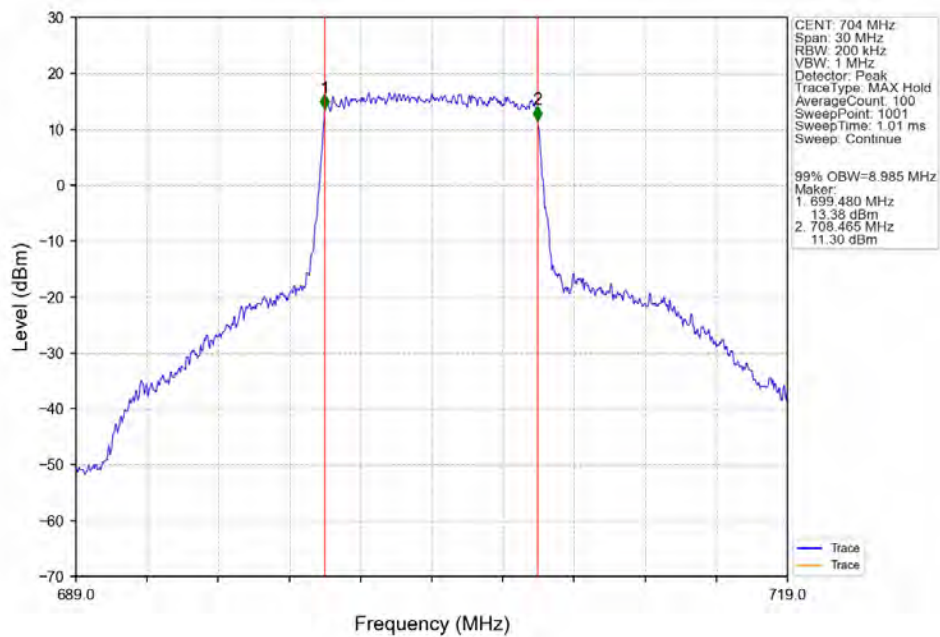
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



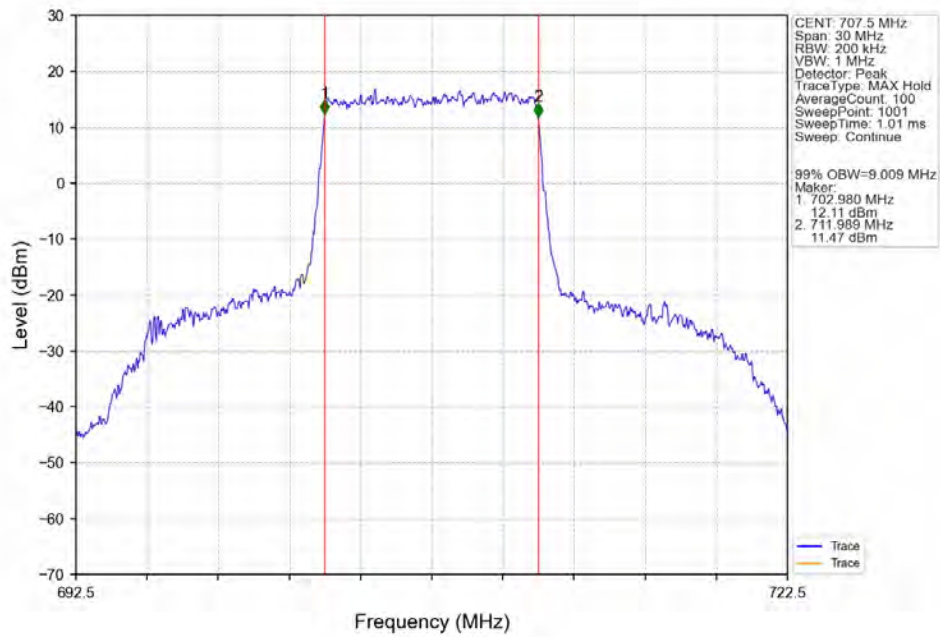
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



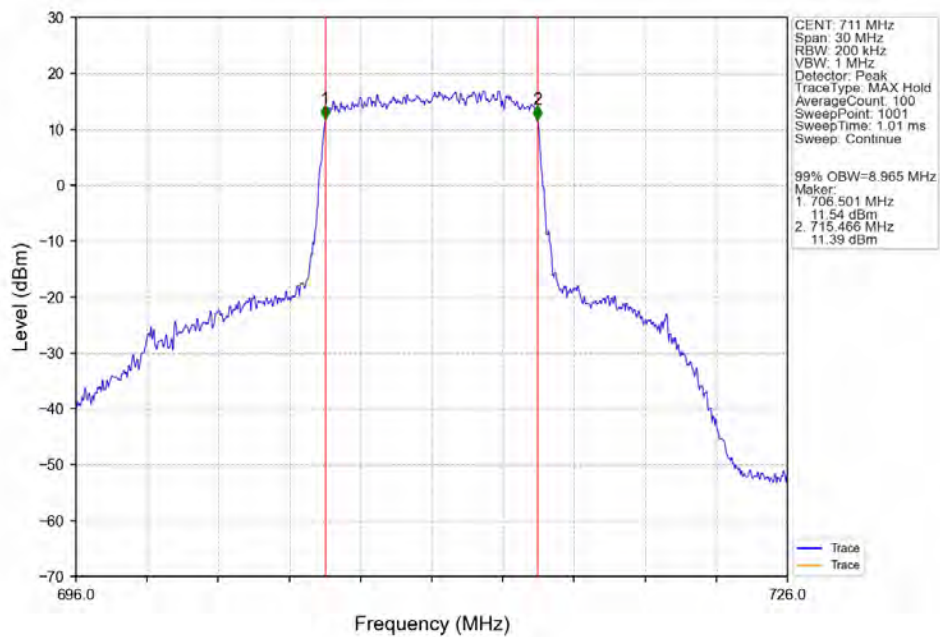
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



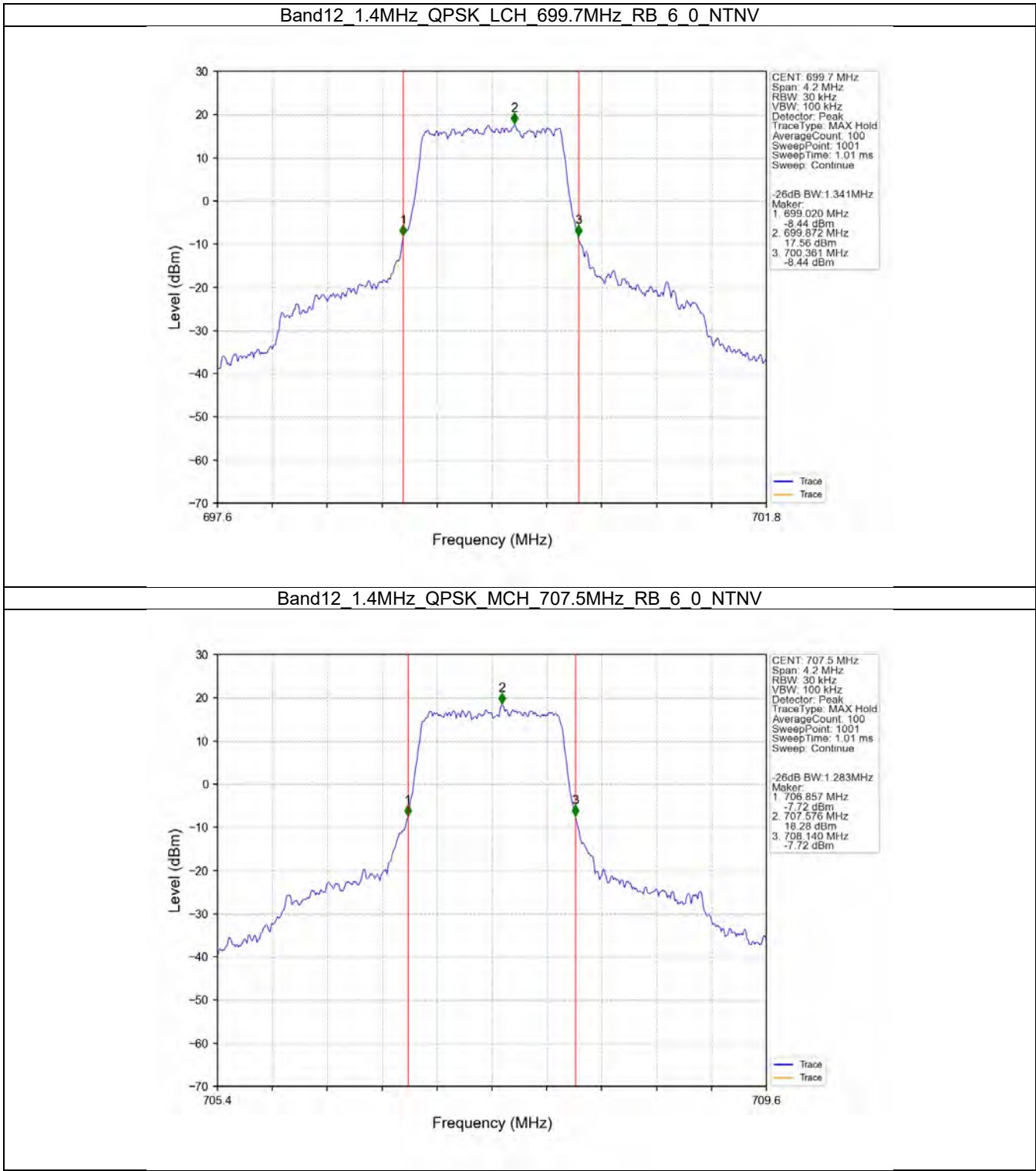
Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



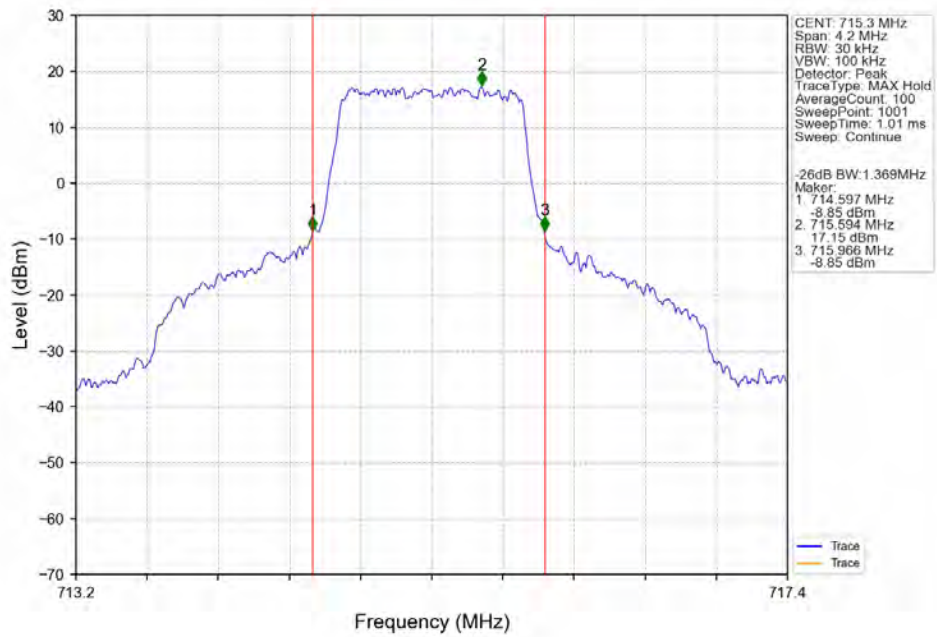
Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



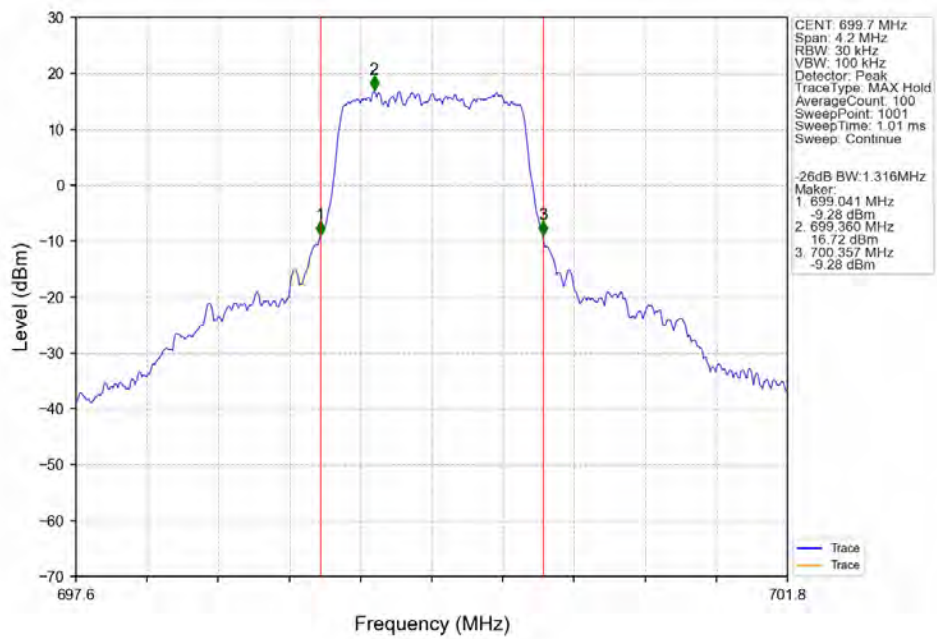
3.2.2 Band12_XDB



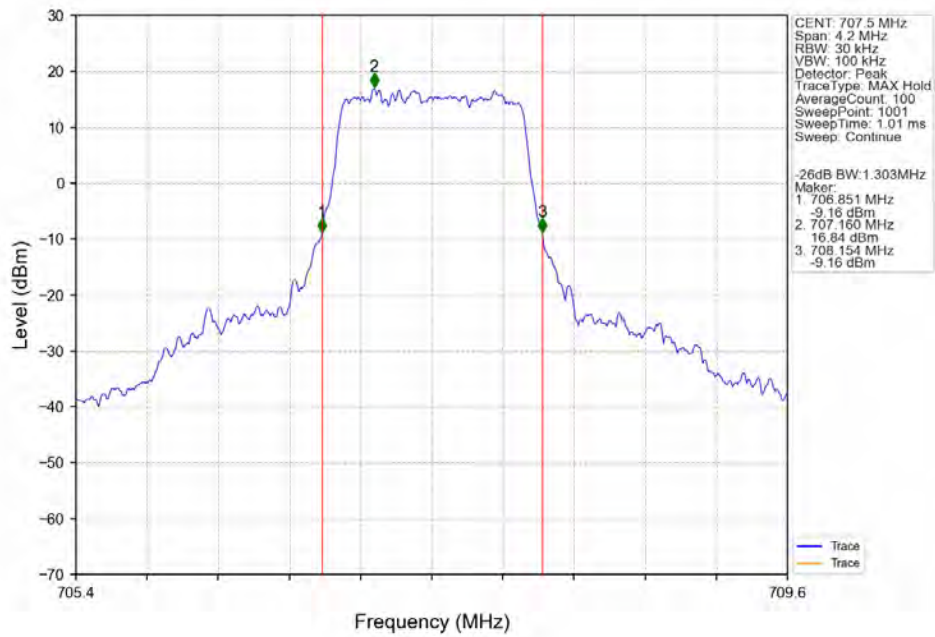
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



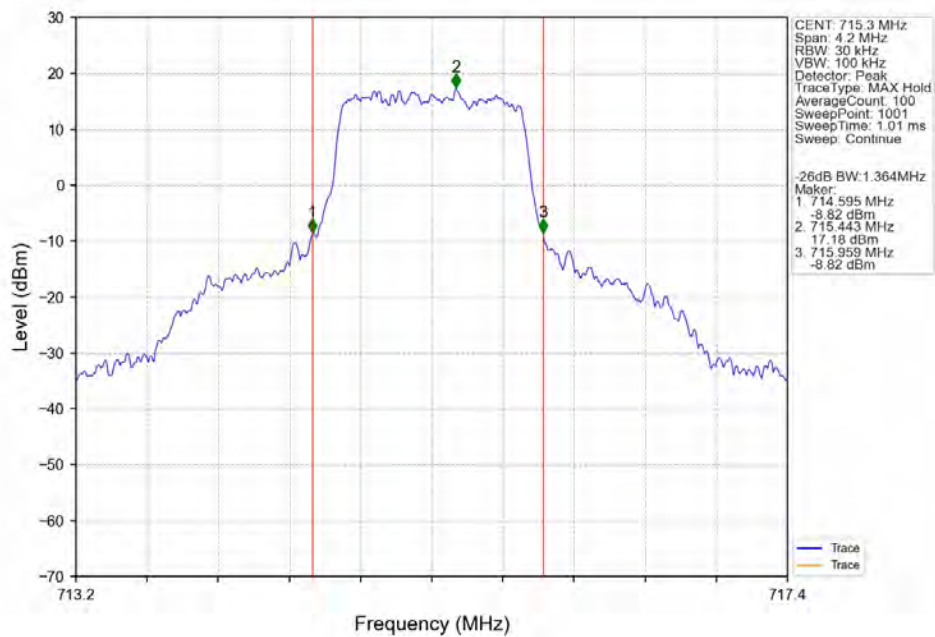
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



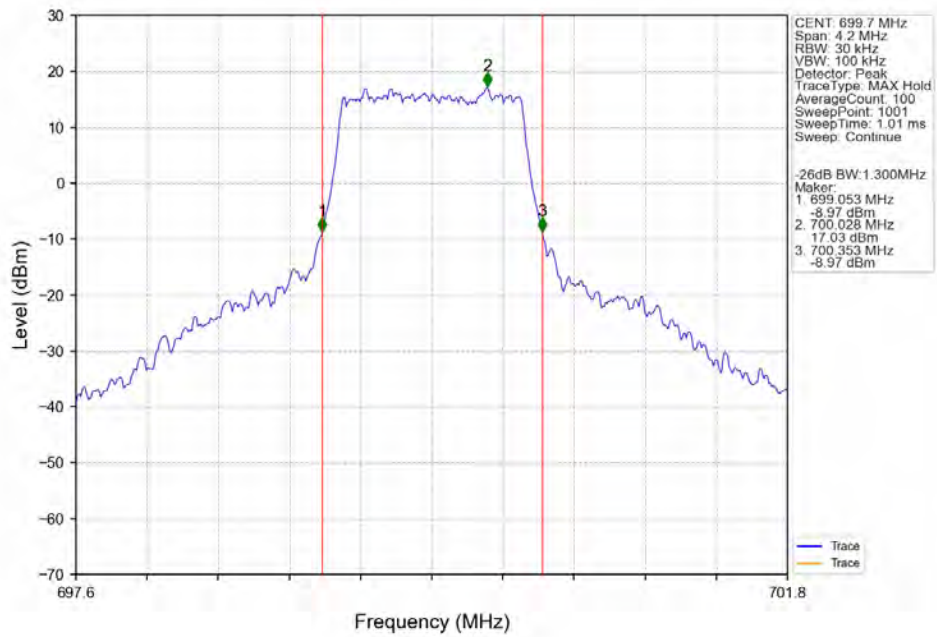
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



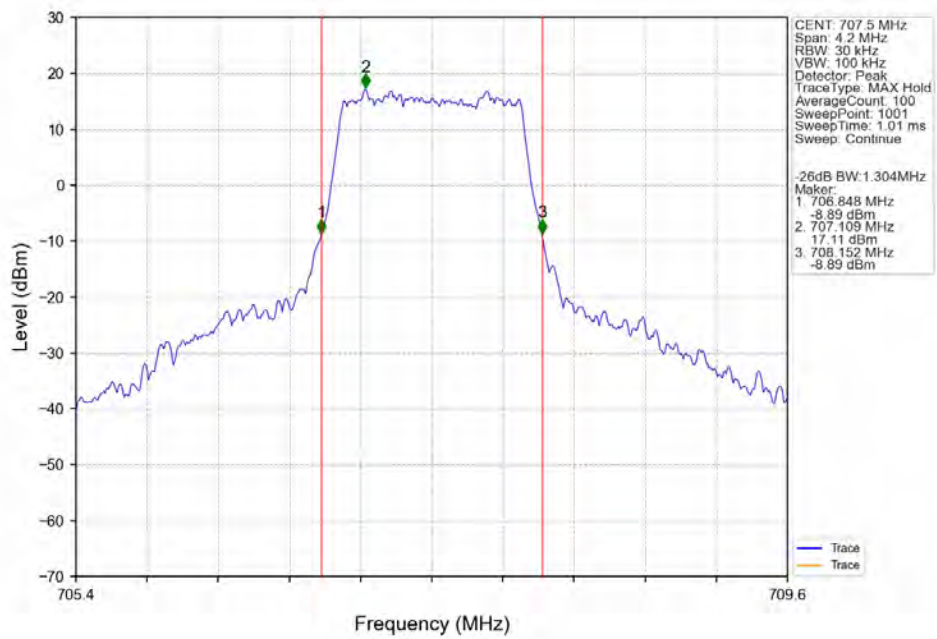
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



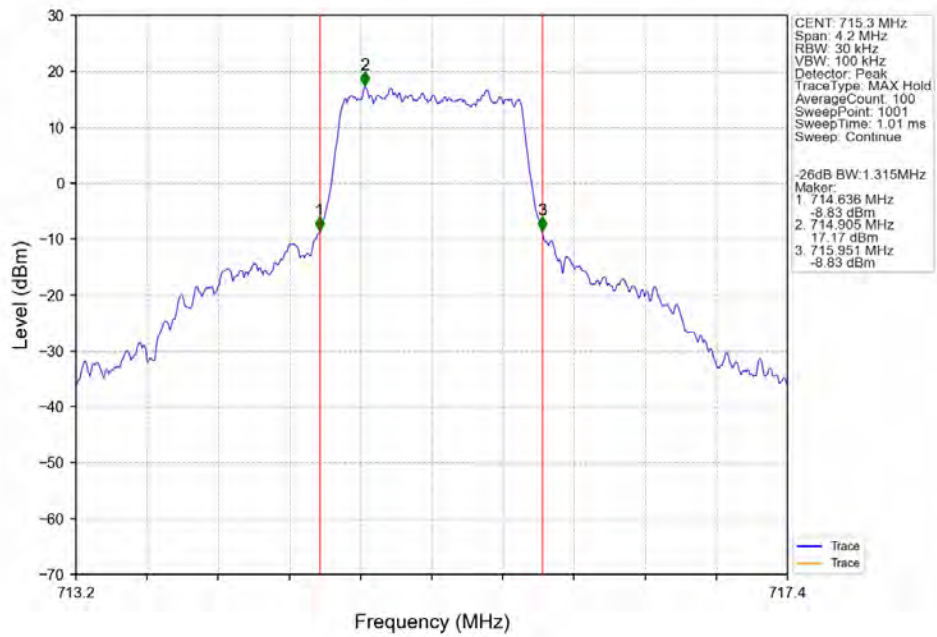
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



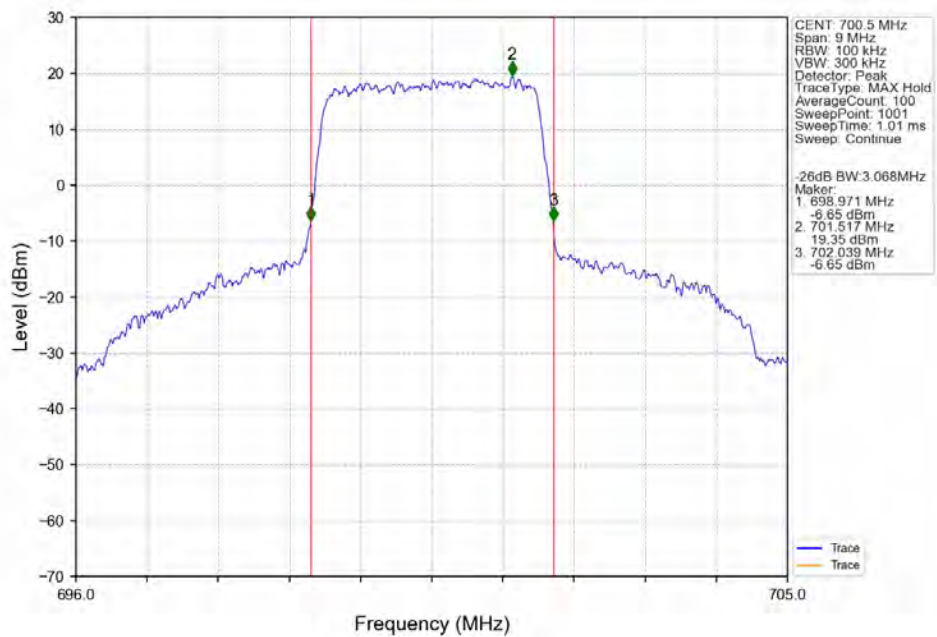
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



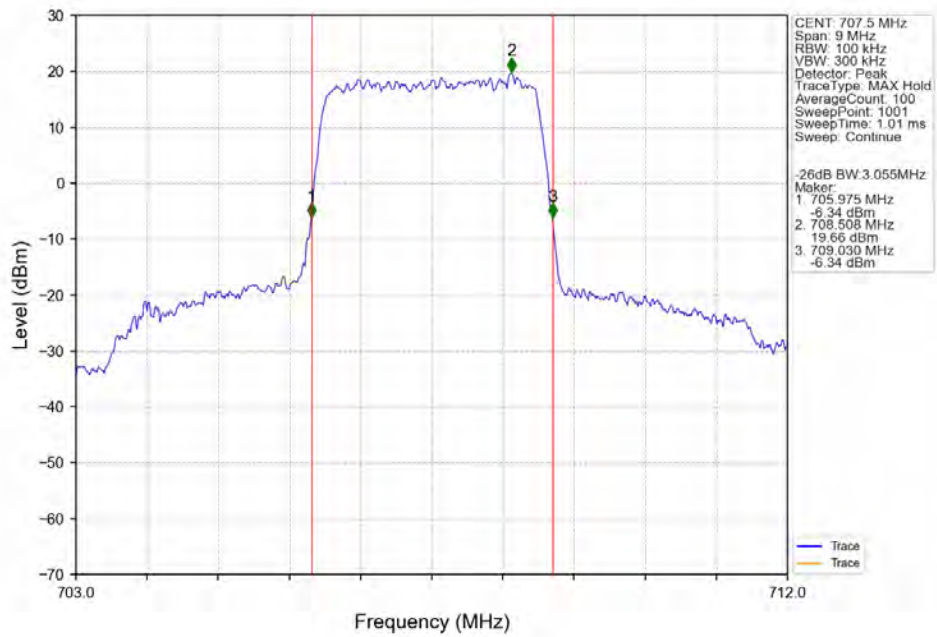
Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



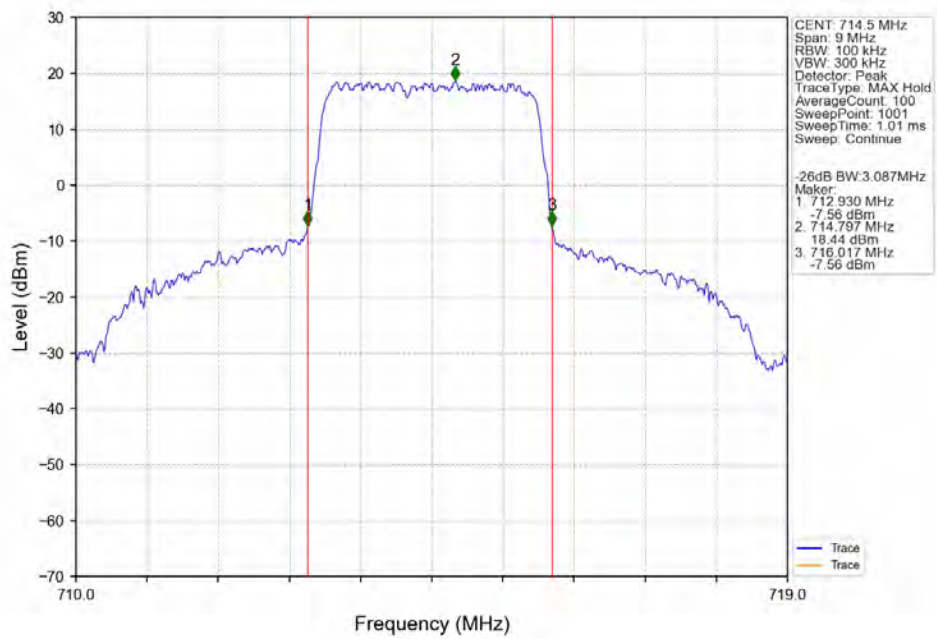
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



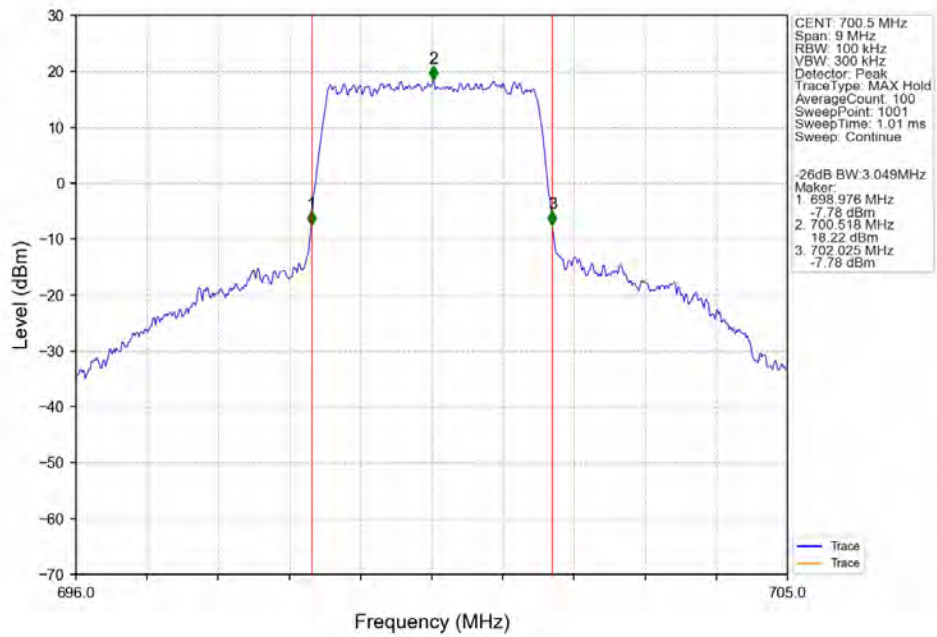
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



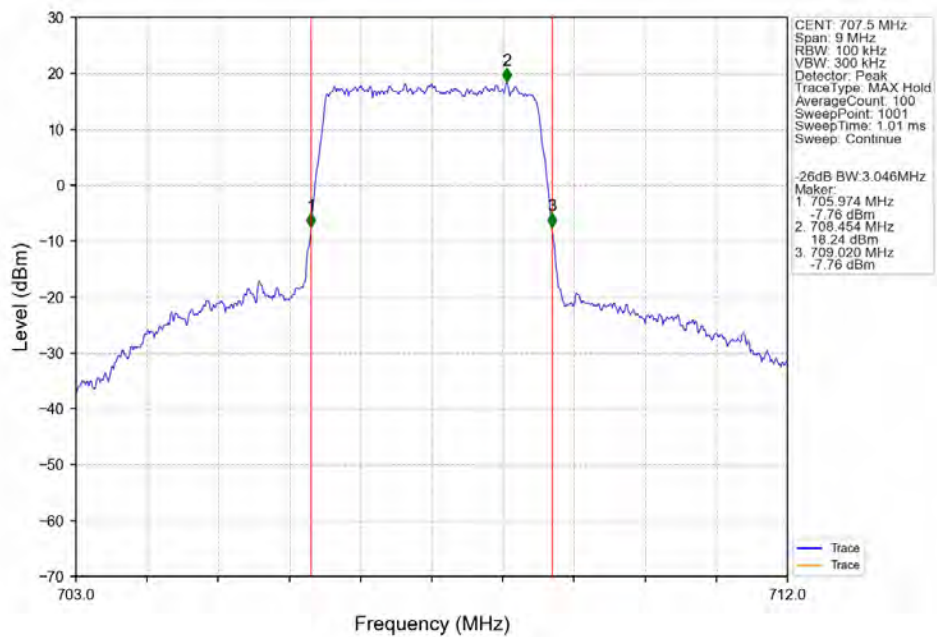
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



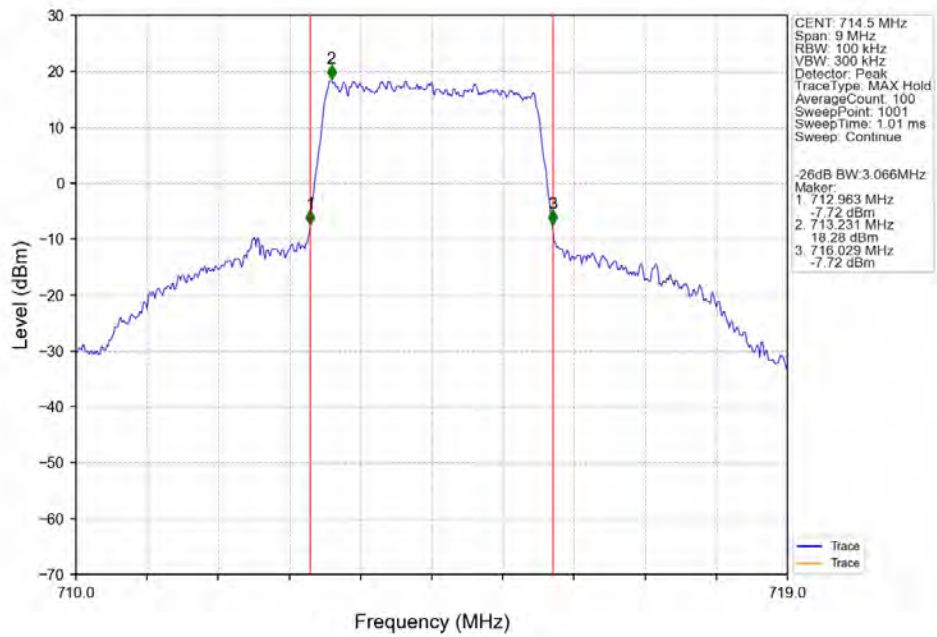
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



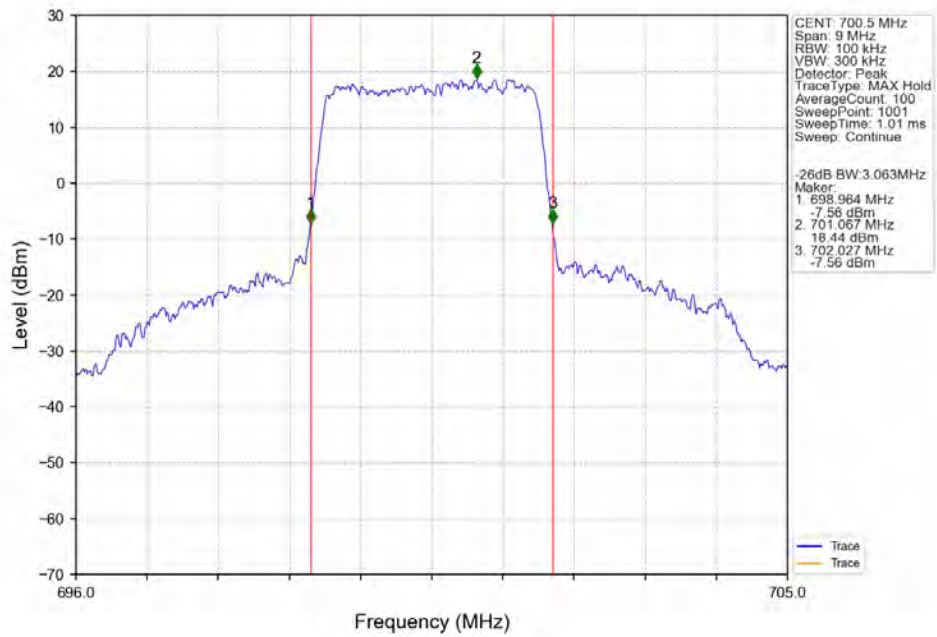
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



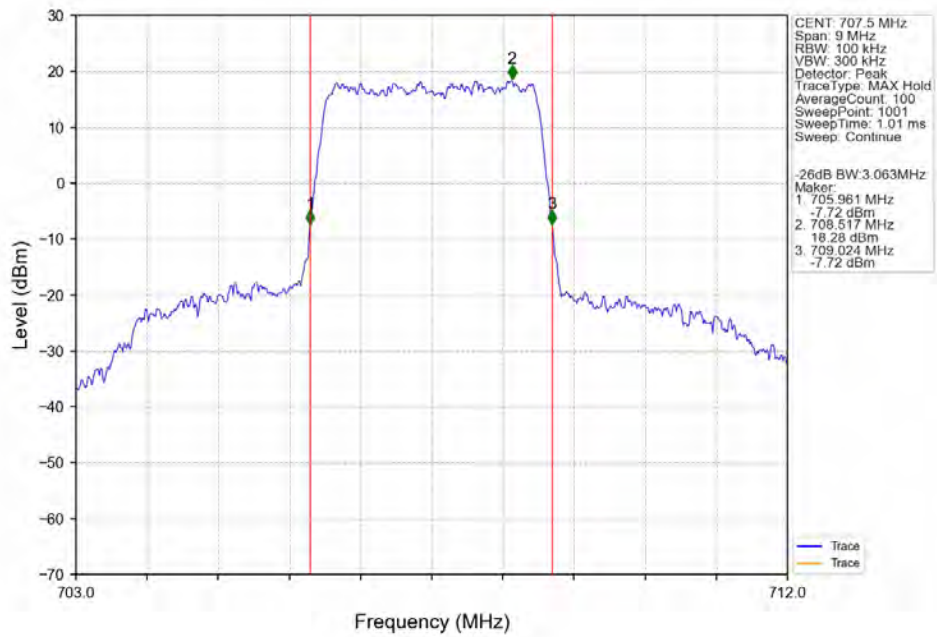
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



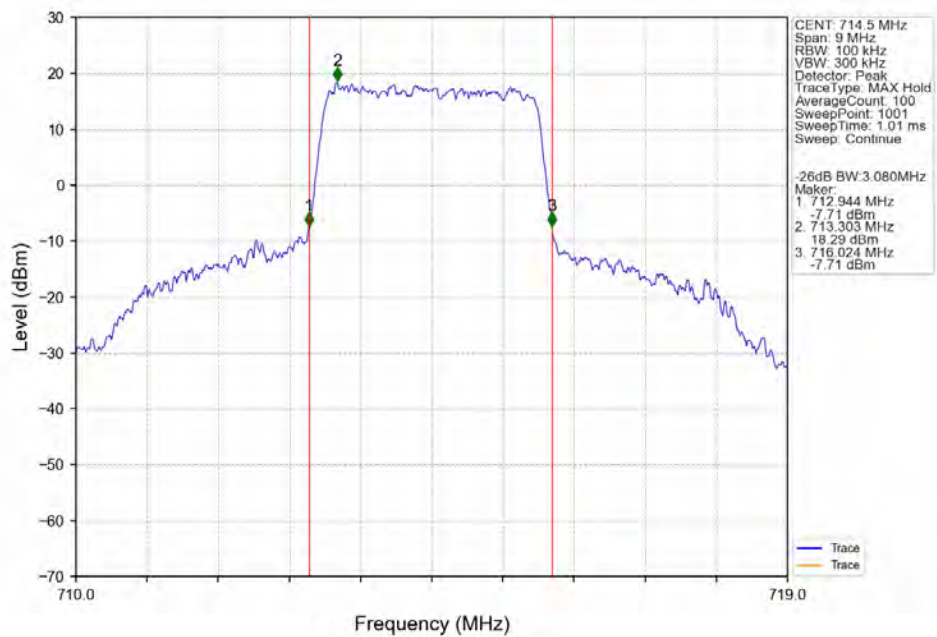
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



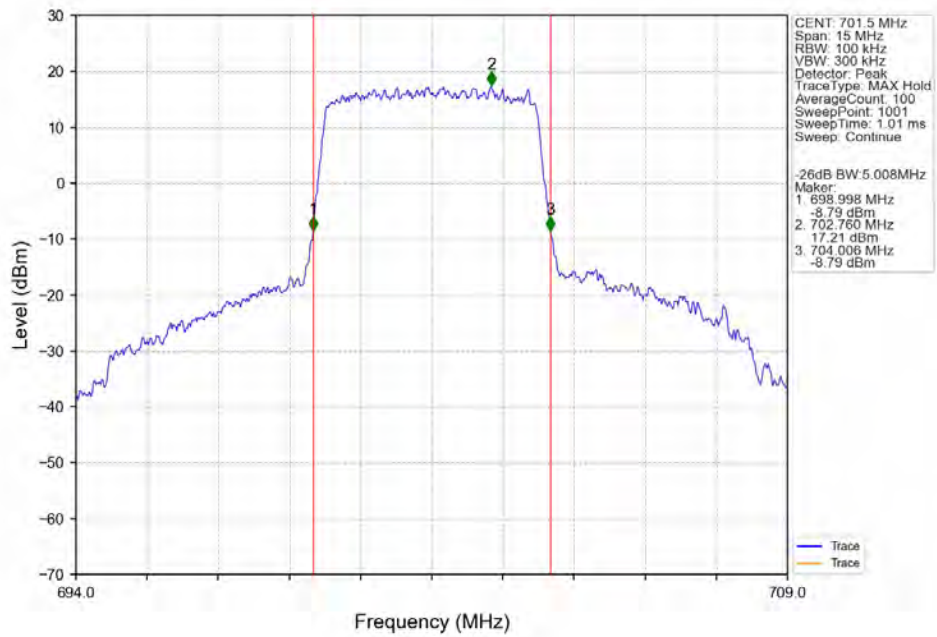
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



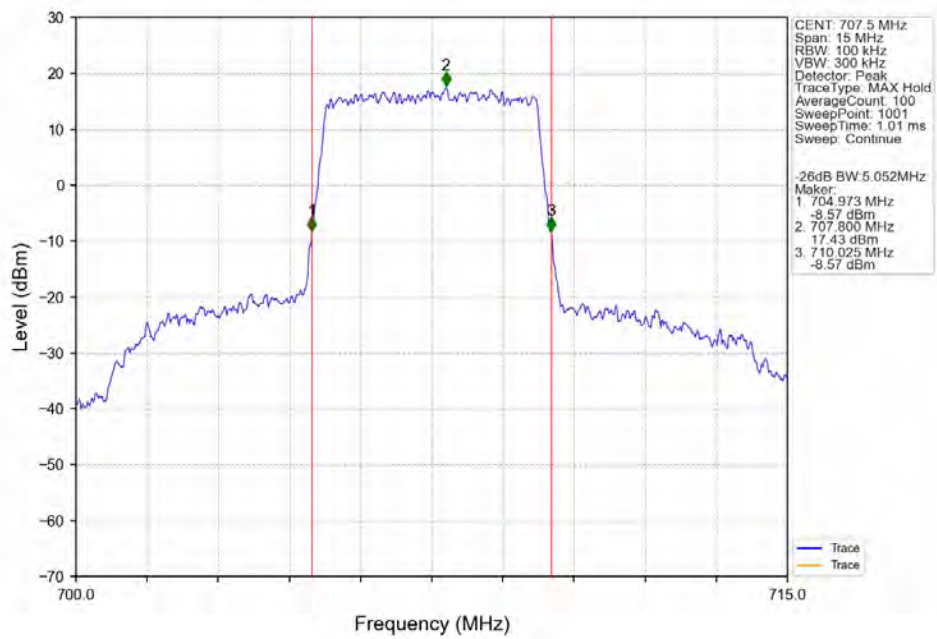
Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



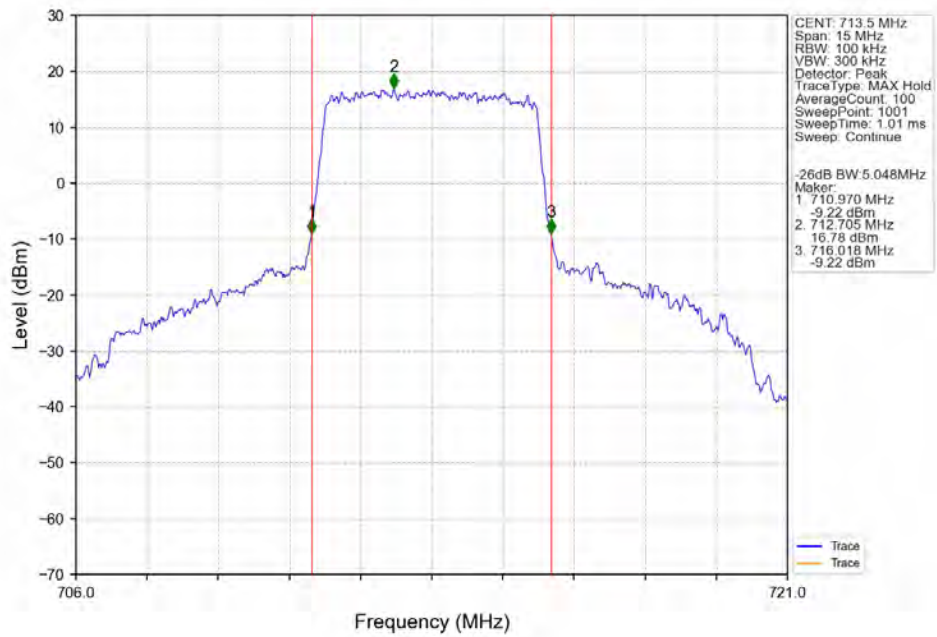
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



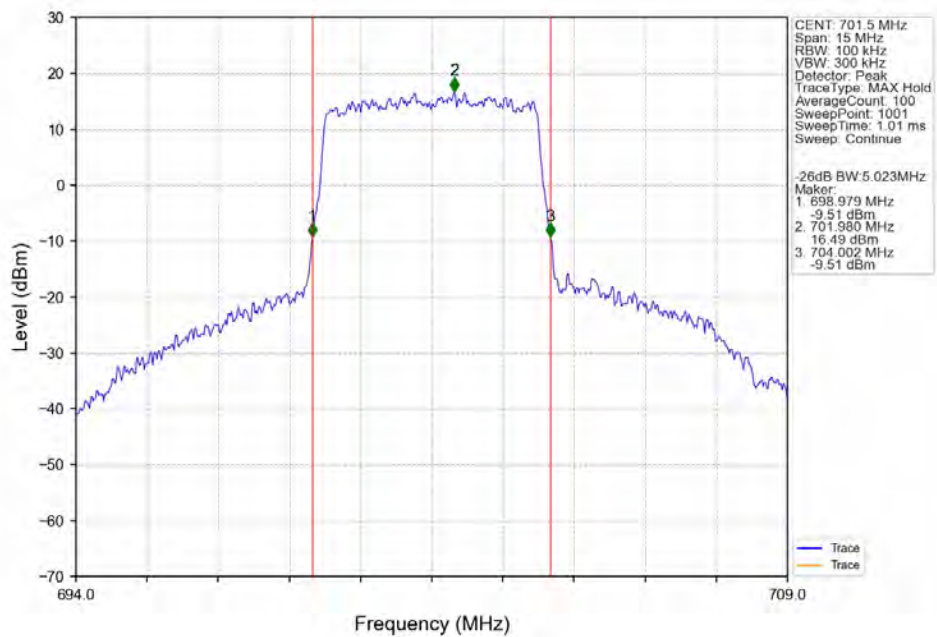
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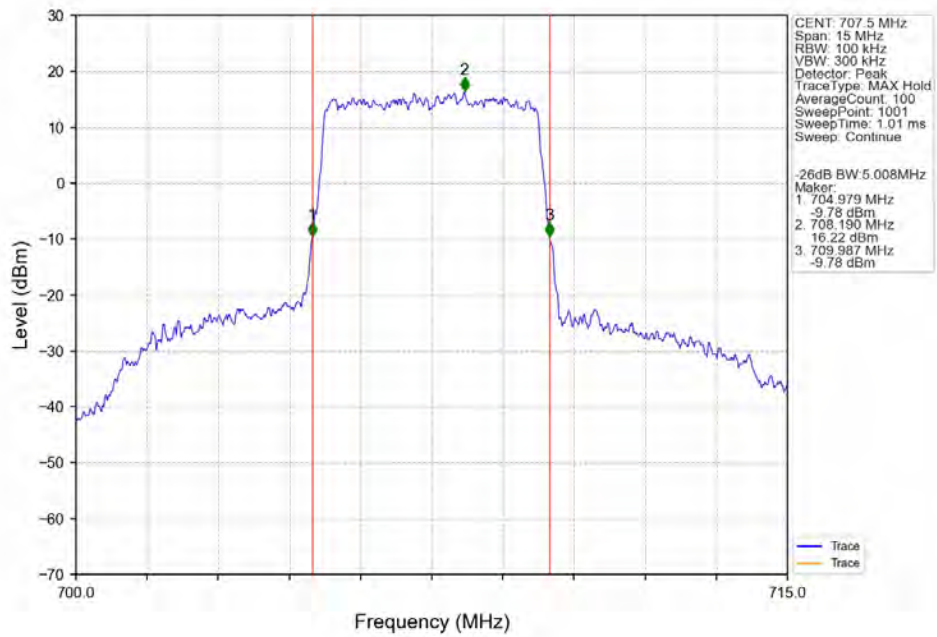
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



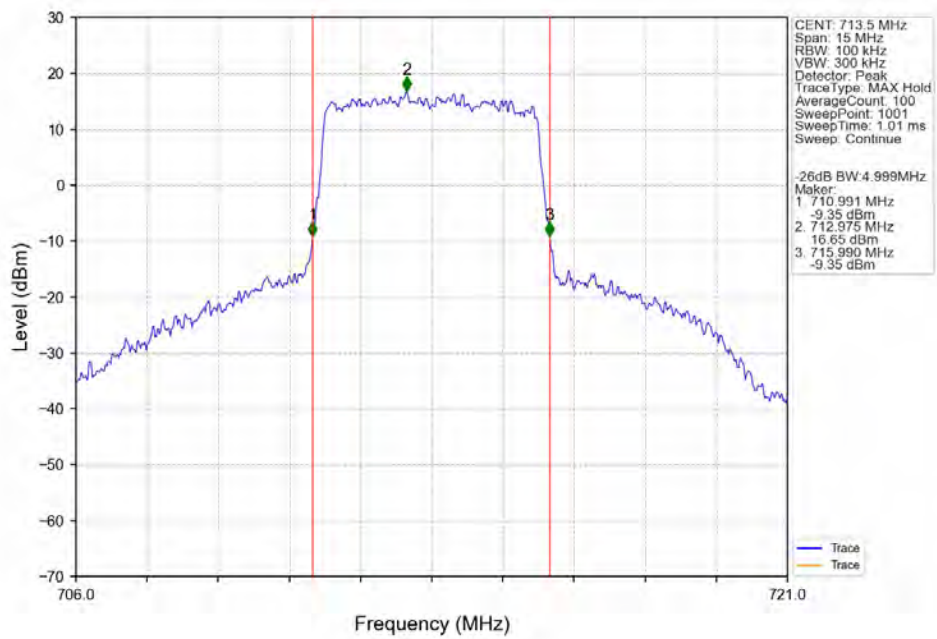
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



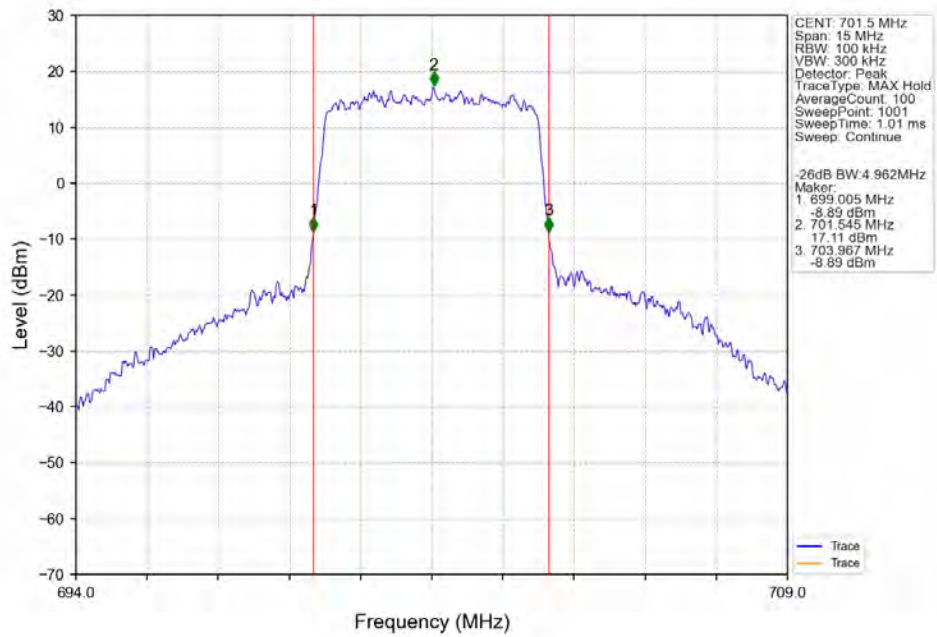
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



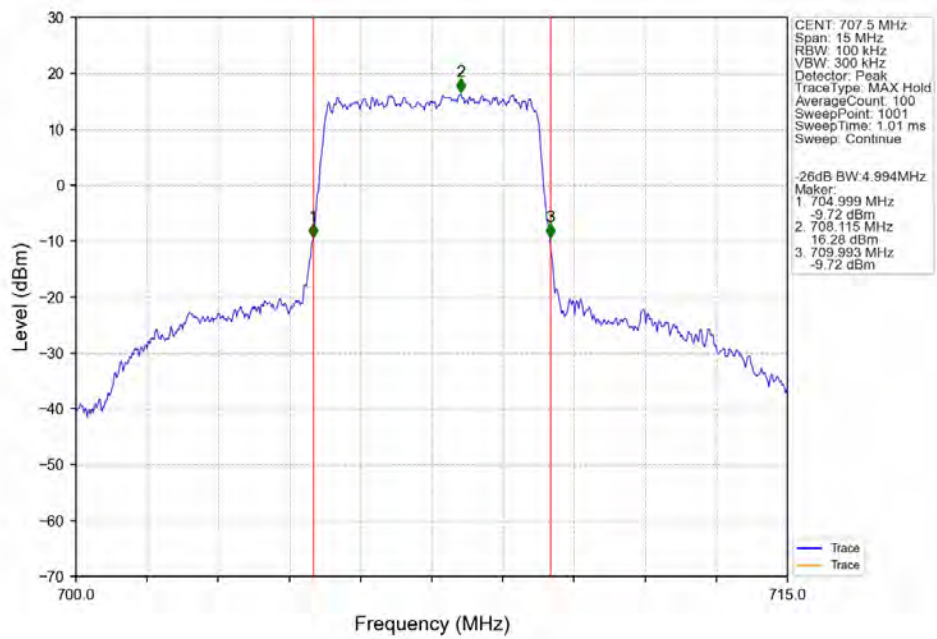
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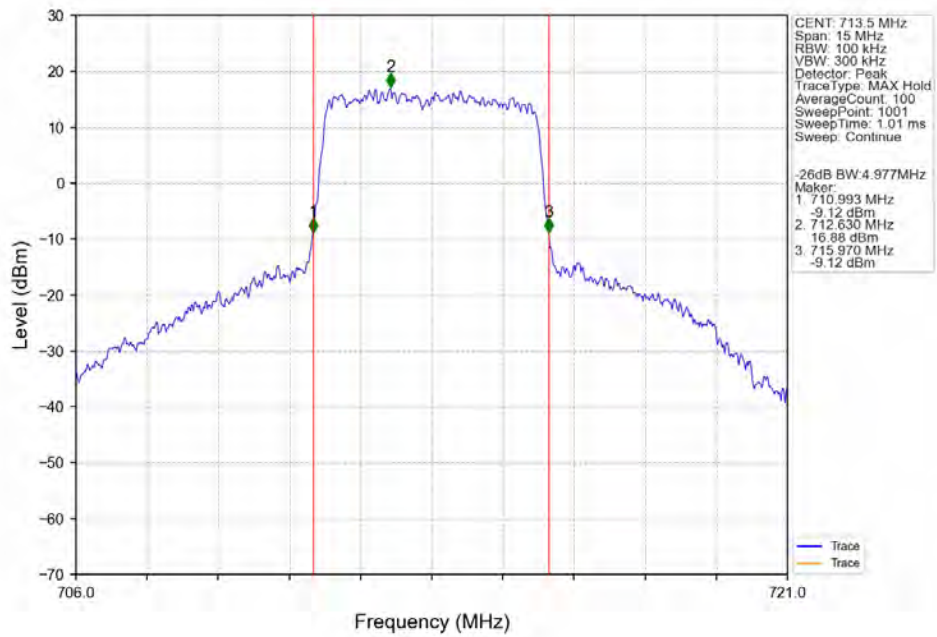
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



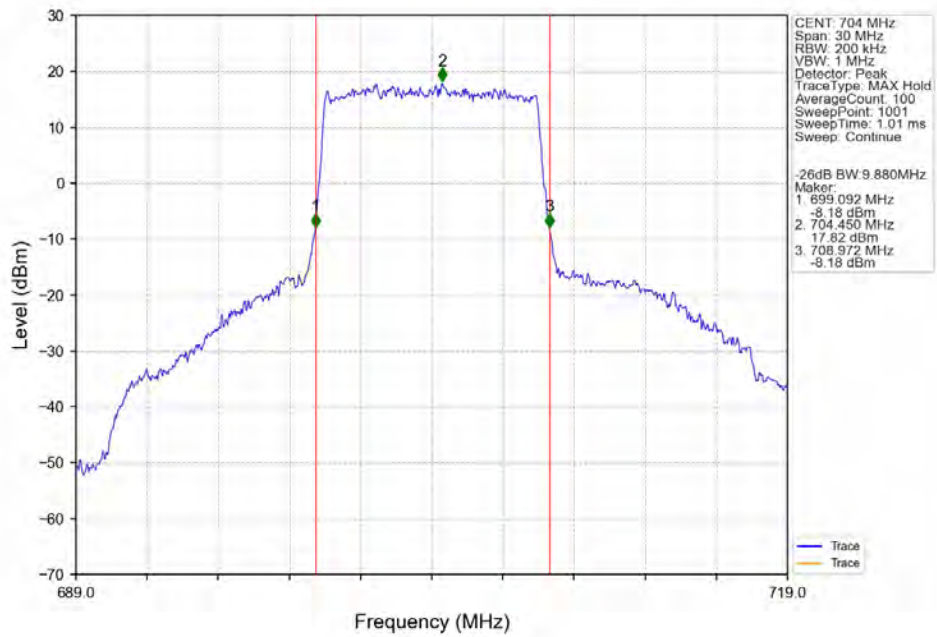
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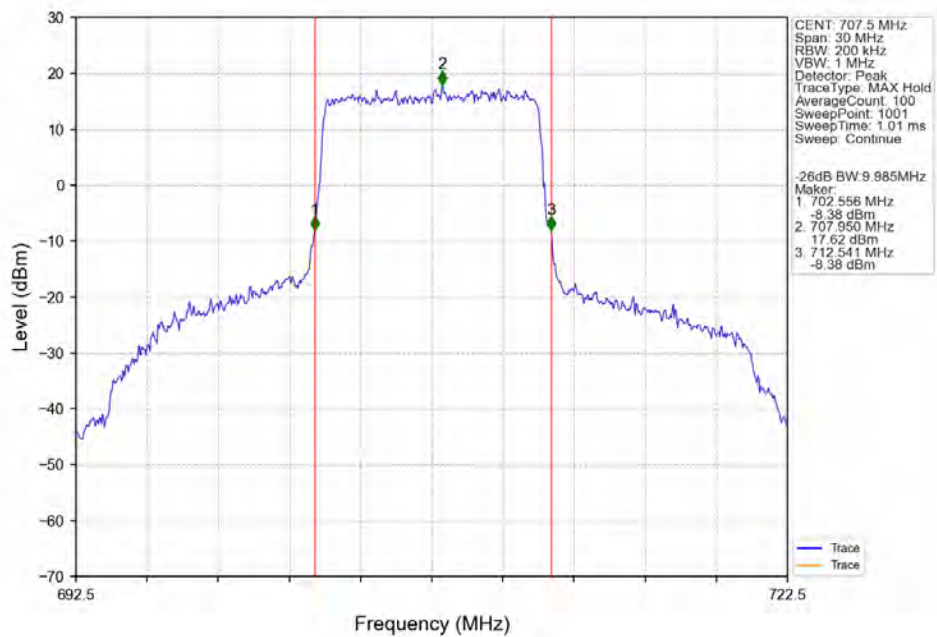
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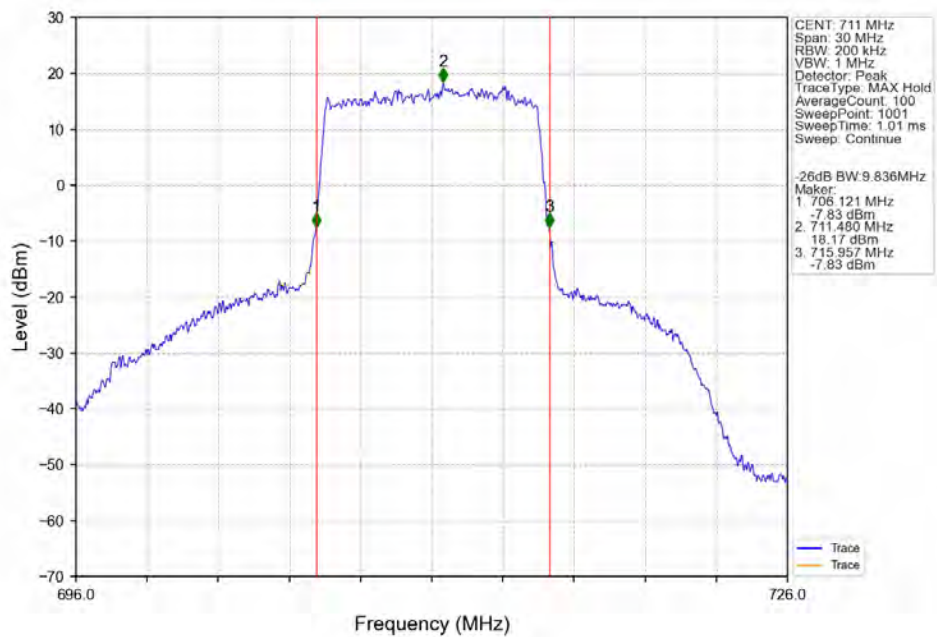
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



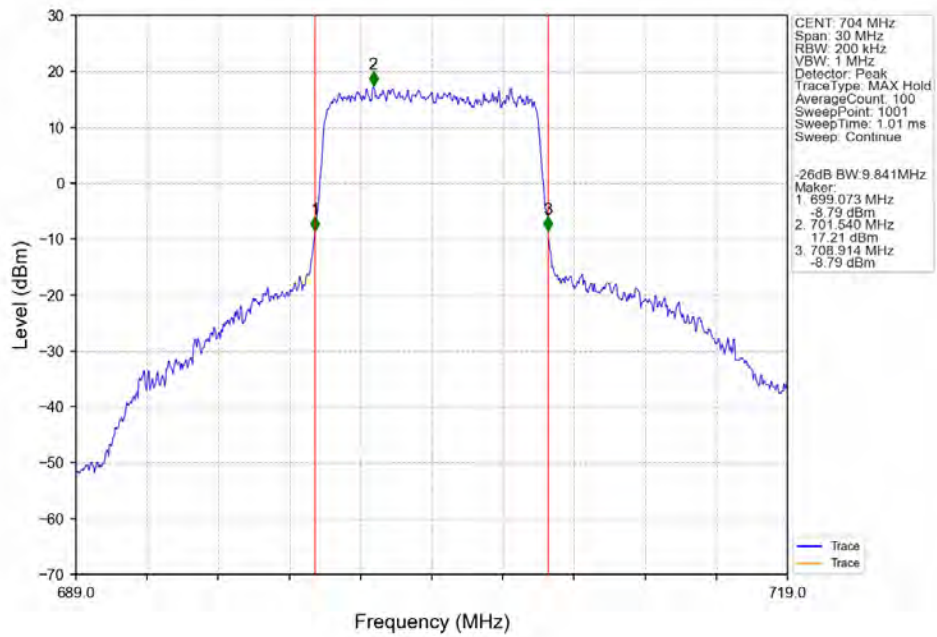
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



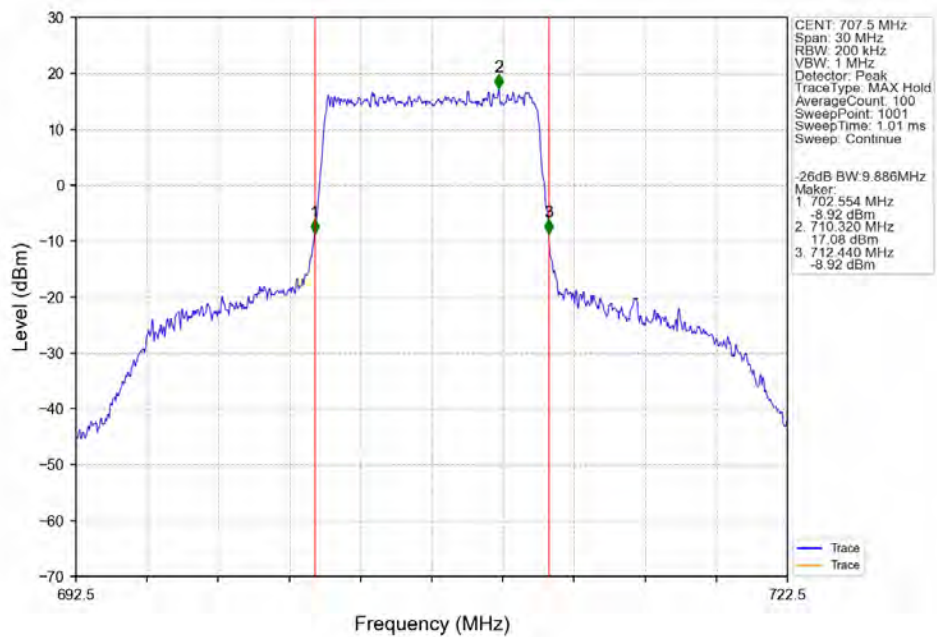
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



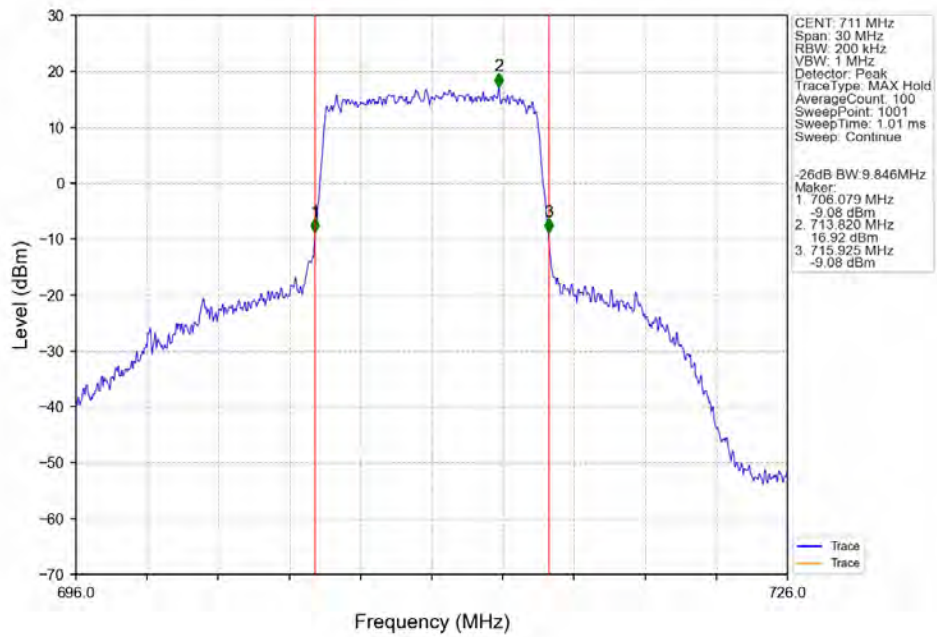
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



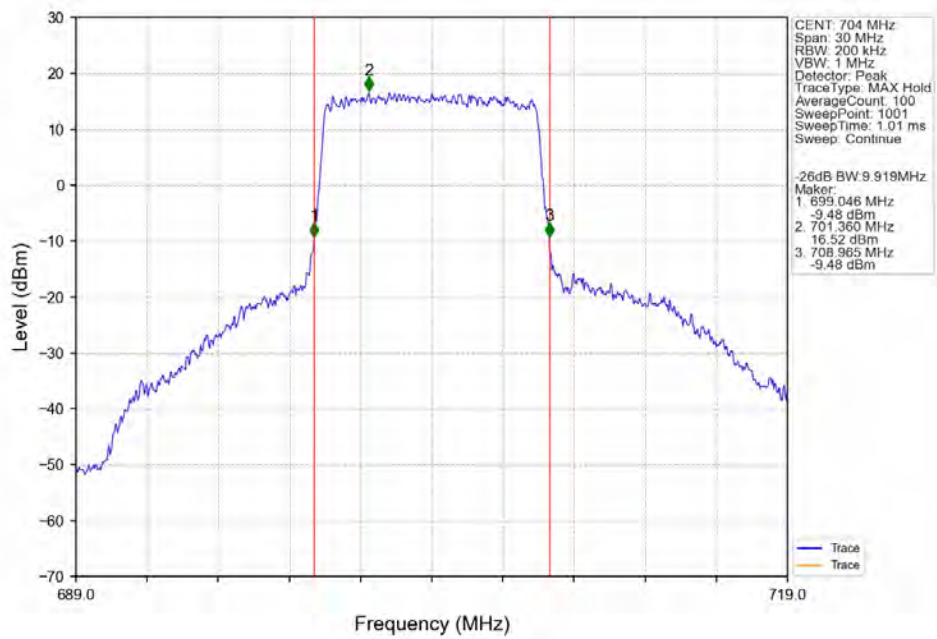
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



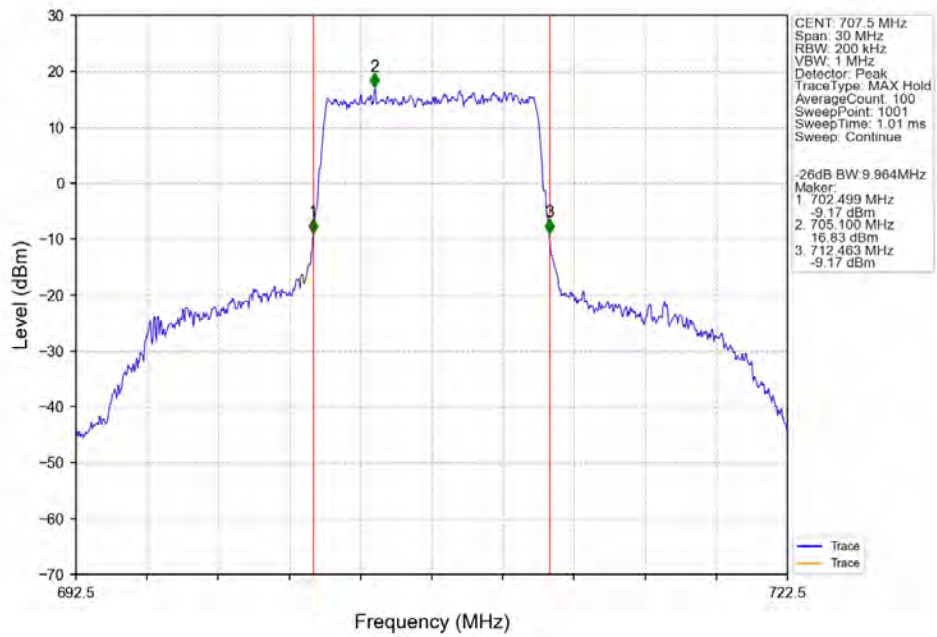
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



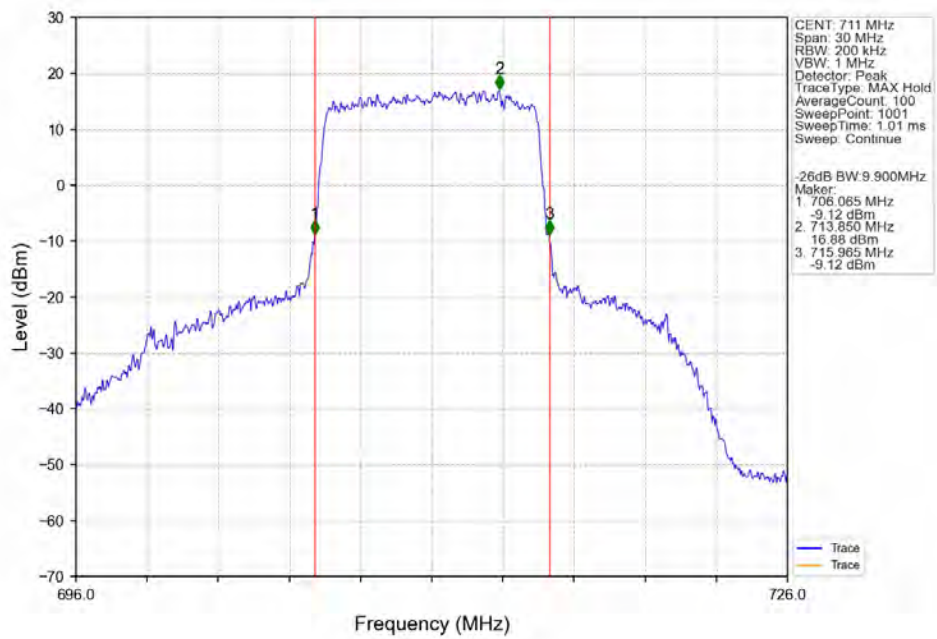
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



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 Test Result

4.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	4.34	<=13	Pass
	707.5	6	0	4.58	<=13	Pass
	715.3	6	0	3.82	<=13	Pass
16QAM	699.7	6	0	5.20	<=13	Pass
	707.5	6	0	5.46	<=13	Pass
	715.3	6	0	4.64	<=13	Pass
64QAM	699.7	6	0	5.20	<=13	Pass
	707.5	6	0	5.50	<=13	Pass
	715.3	6	0	4.76	<=13	Pass

4.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	4.32	<=13	Pass
	707.5	15	0	4.74	<=13	Pass
	714.5	15	0	3.86	<=13	Pass
16QAM	700.5	15	0	5.16	<=13	Pass
	707.5	15	0	5.62	<=13	Pass
	714.5	15	0	4.76	<=13	Pass
64QAM	700.5	15	0	5.16	<=13	Pass
	707.5	15	0	5.54	<=13	Pass
	714.5	15	0	4.66	<=13	Pass

4.1.3 B12_5MHz

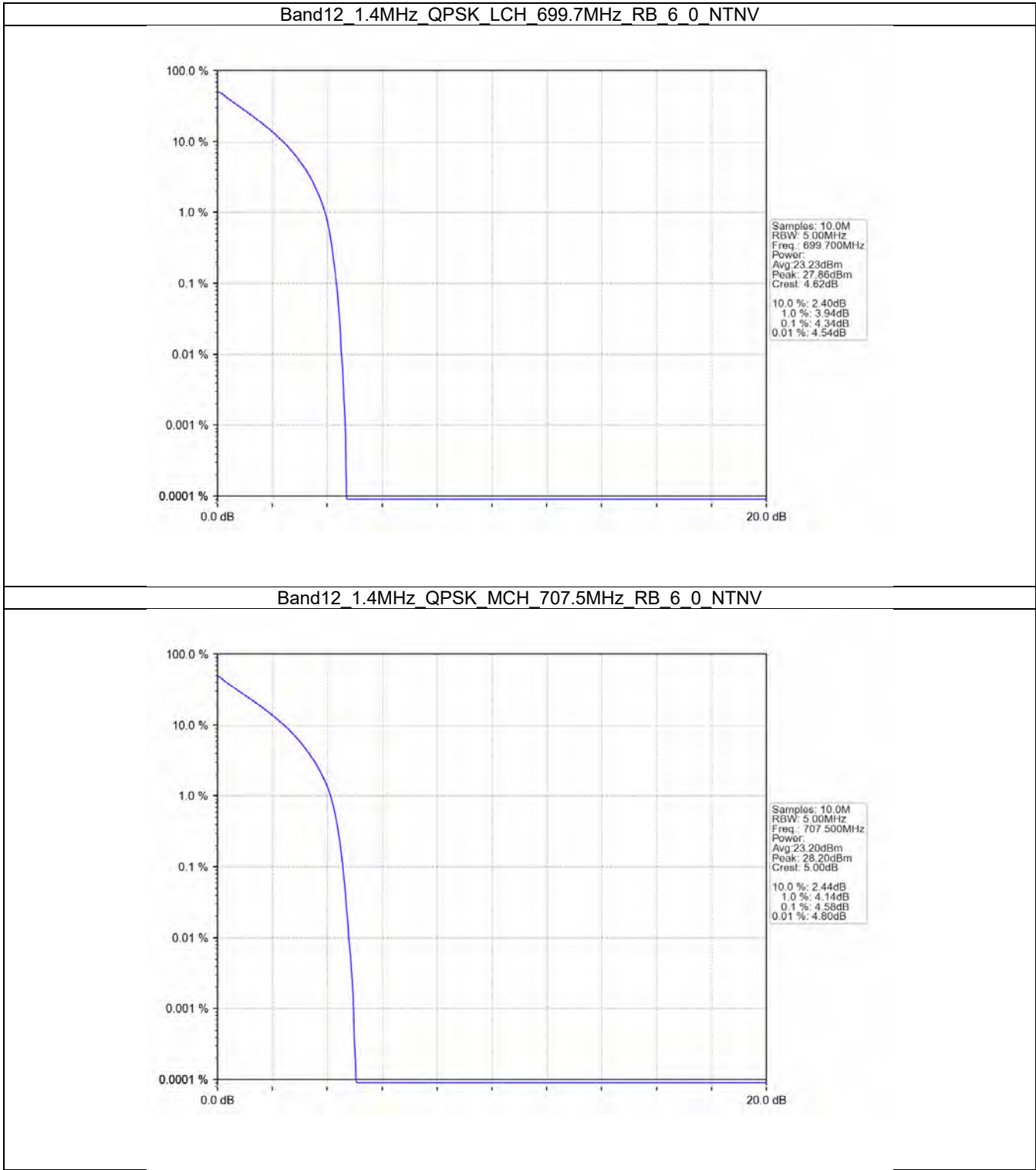
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	4.52	<=13	Pass
	707.5	25	0	4.88	<=13	Pass
	713.5	25	0	4.46	<=13	Pass
16QAM	701.5	25	0	5.16	<=13	Pass
	707.5	25	0	5.68	<=13	Pass
	713.5	25	0	5.24	<=13	Pass
64QAM	701.5	25	0	5.30	<=13	Pass
	707.5	25	0	5.66	<=13	Pass
	713.5	25	0	5.18	<=13	Pass

4.1.4 B12_10MHz

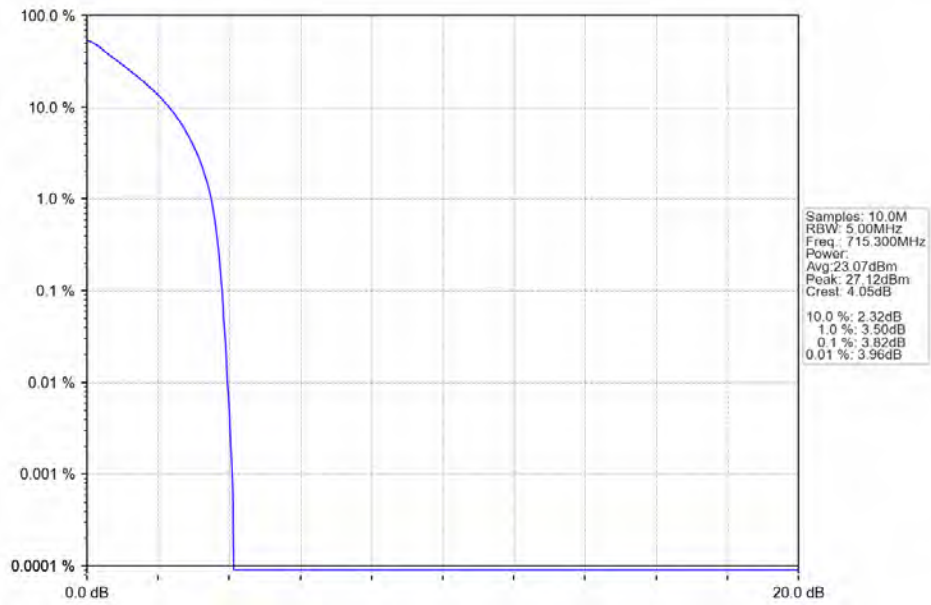
Band: 12 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	4.70	<=13	Pass
	707.5	50	0	4.90	<=13	Pass
	711	50	0	4.70	<=13	Pass
16QAM	704	50	0	5.42	<=13	Pass
	707.5	50	0	5.60	<=13	Pass
	711	50	0	5.36	<=13	Pass
64QAM	704	50	0	5.42	<=13	Pass
	707.5	50	0	5.64	<=13	Pass
	711	50	0	5.40	<=13	Pass

4.2 Test Graph

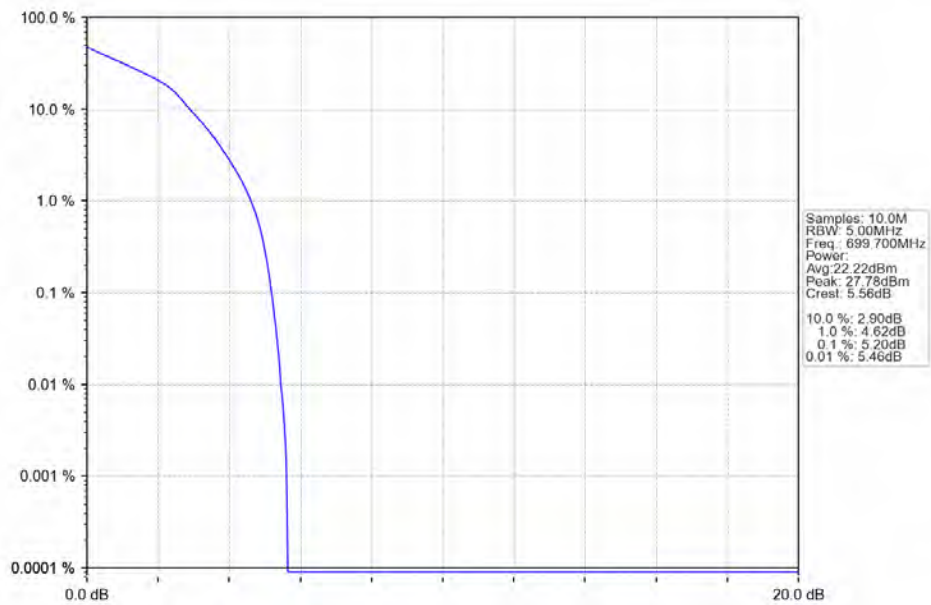
4.2.1 B12_1.4MHz



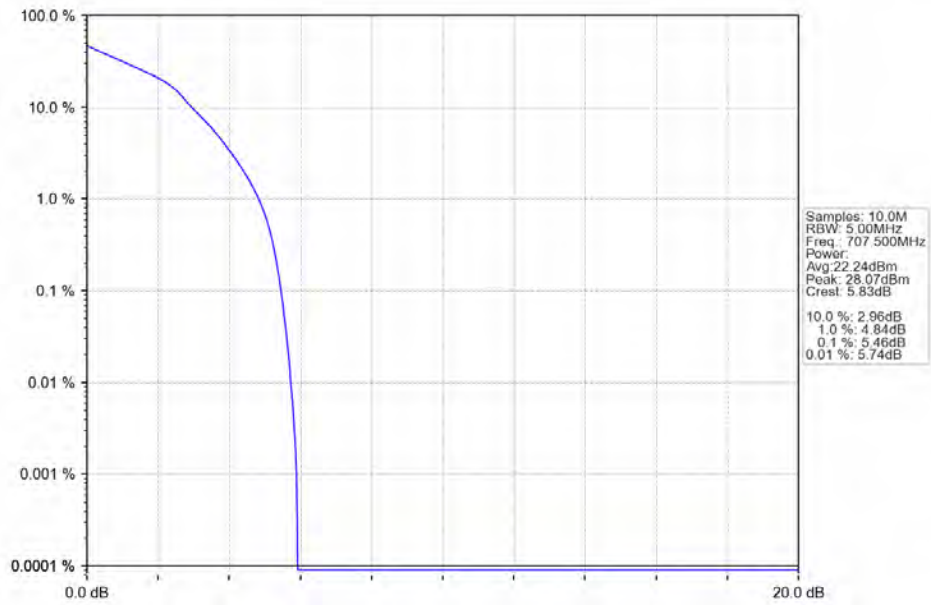
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



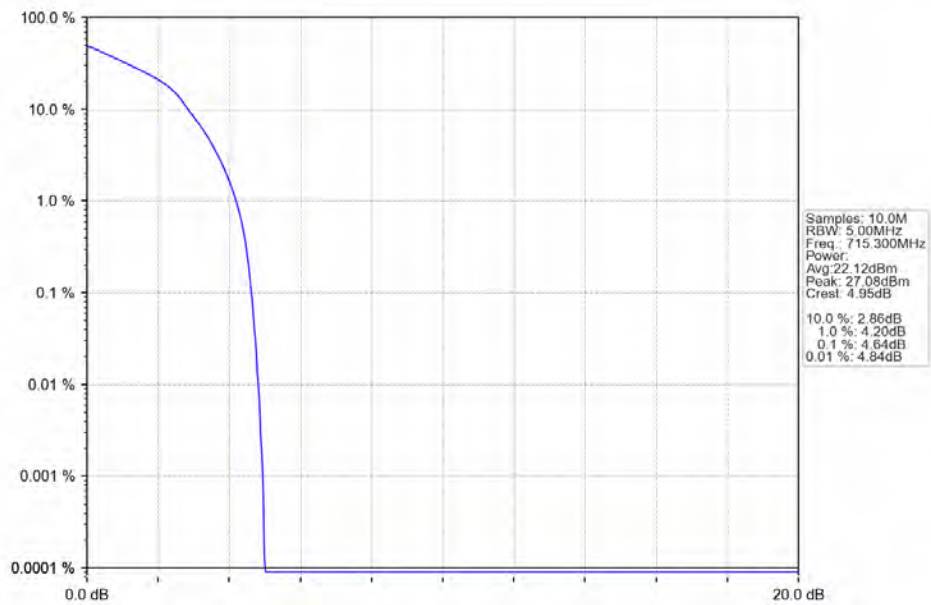
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



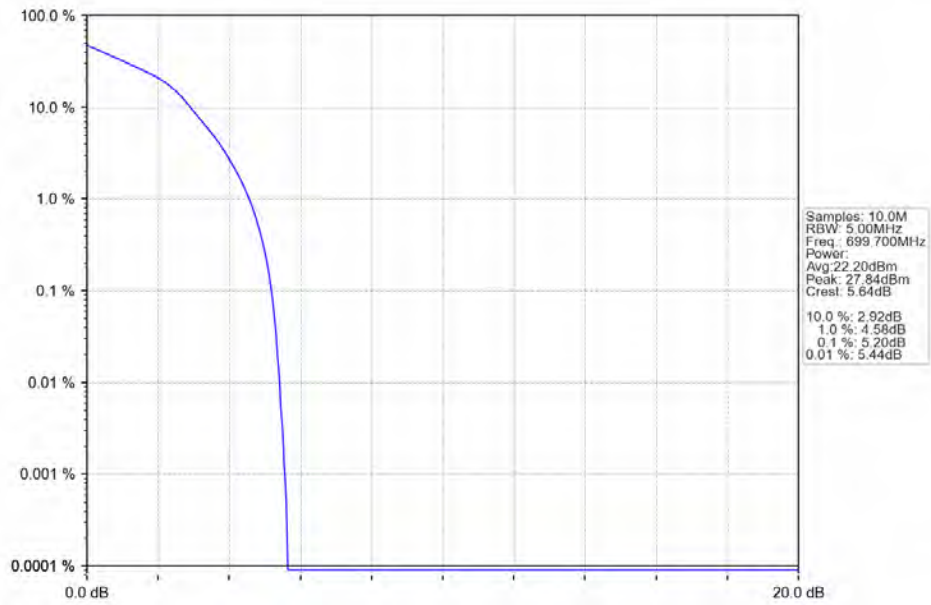
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



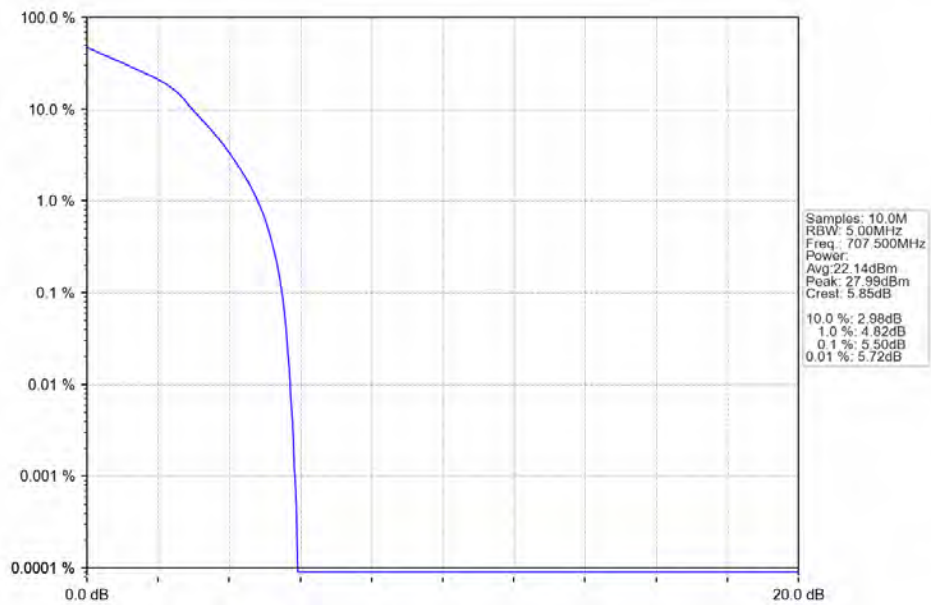
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



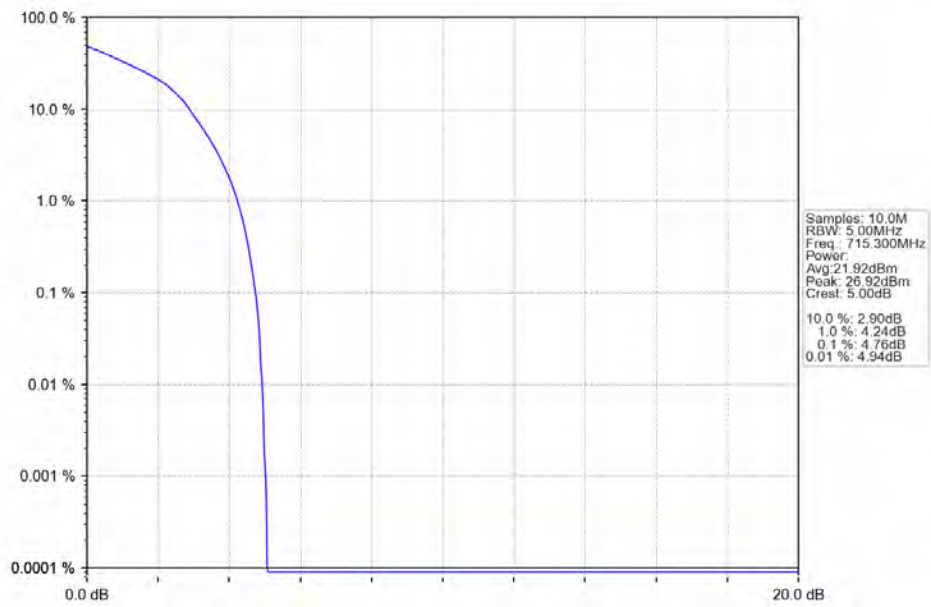
Band12 1.4MHz 64QAM LCH 699.7MHz RB 6 0 NTNV



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

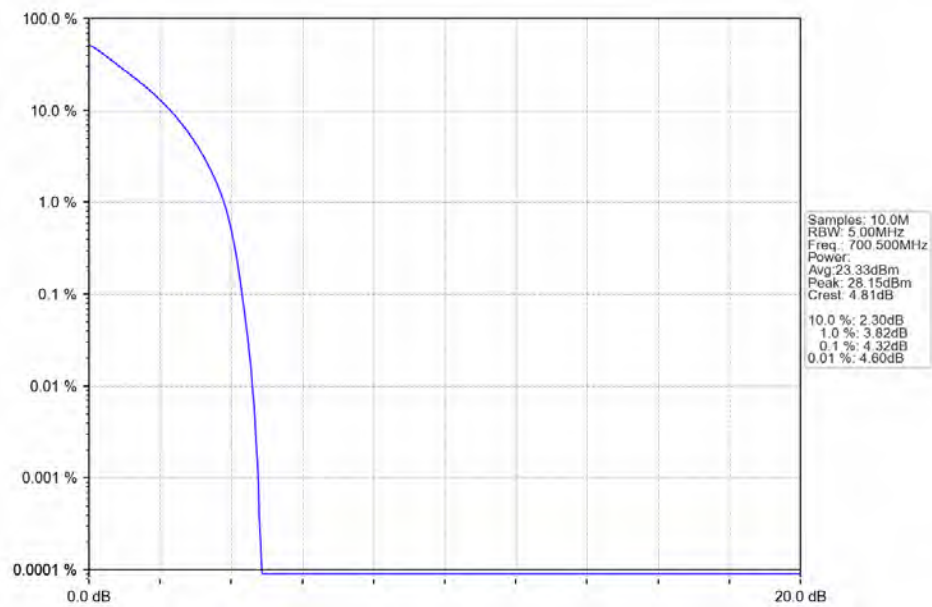


Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV

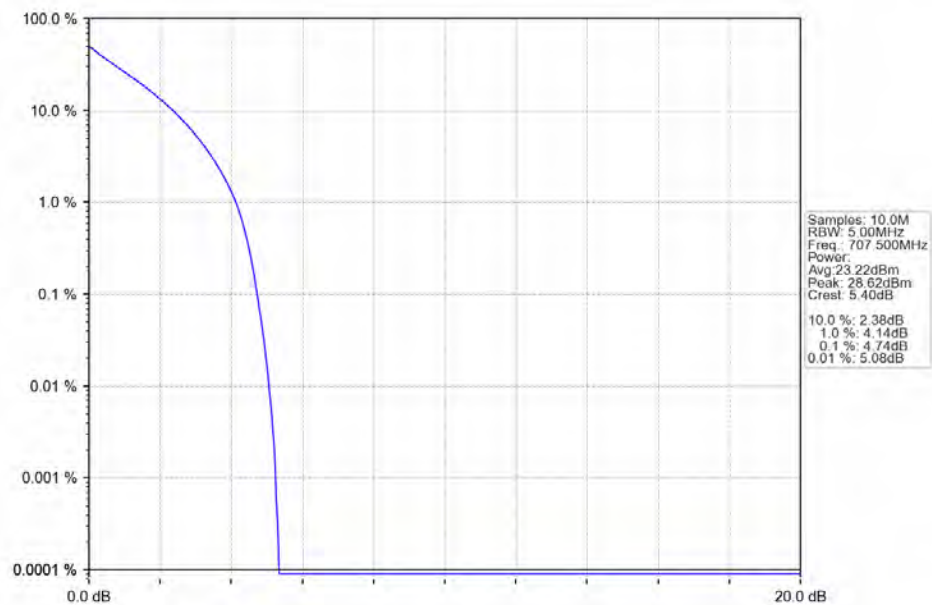


4.2.2 B12_3MHz

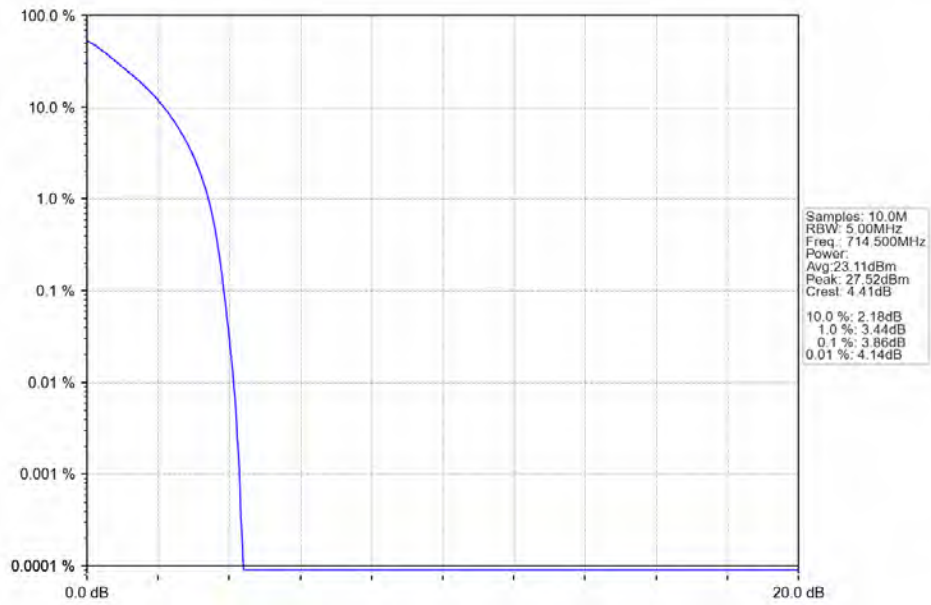
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



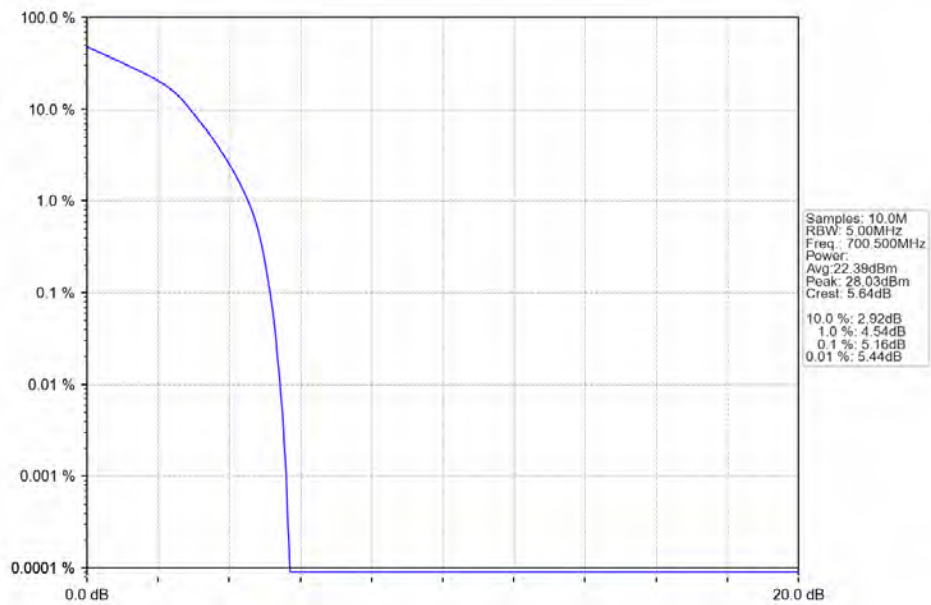
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



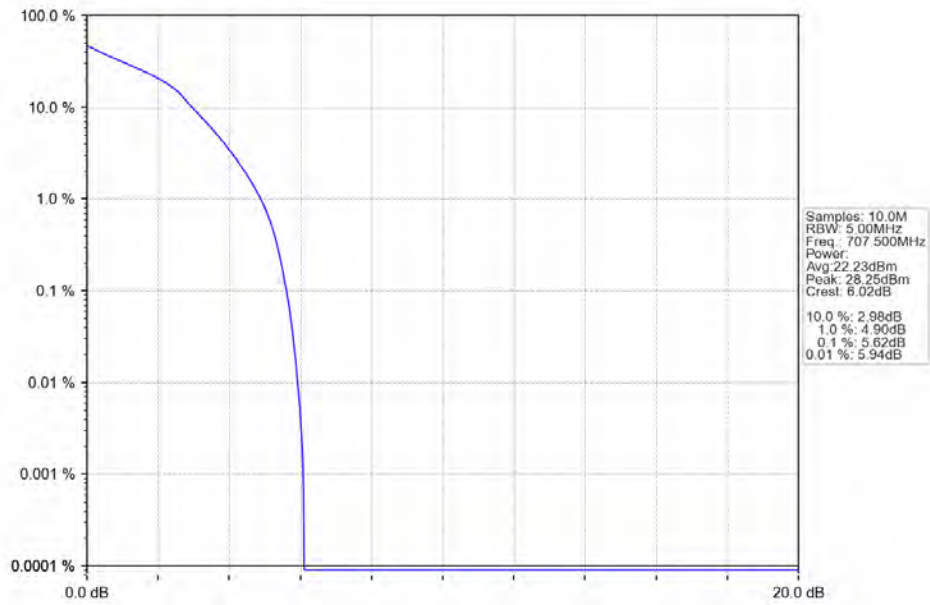
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



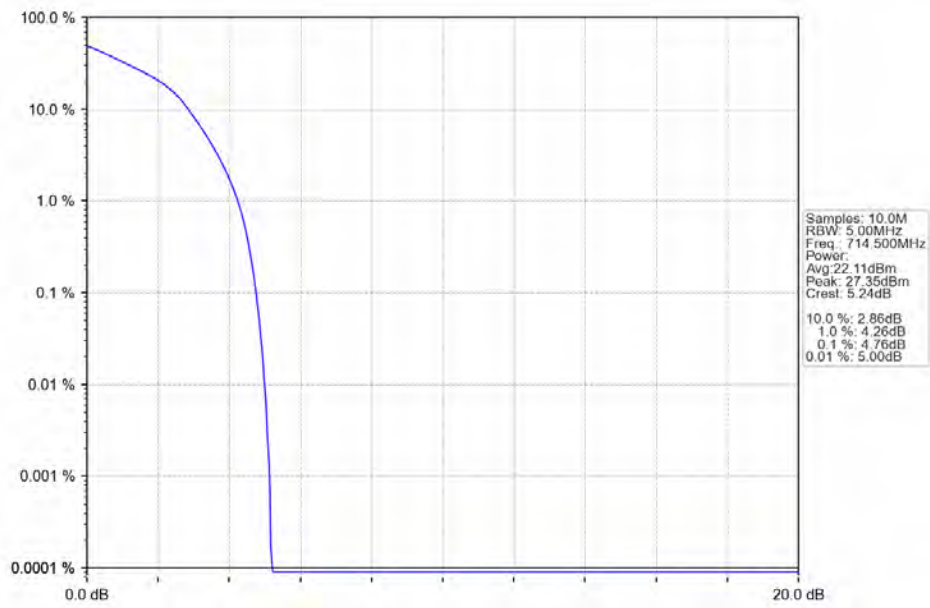
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



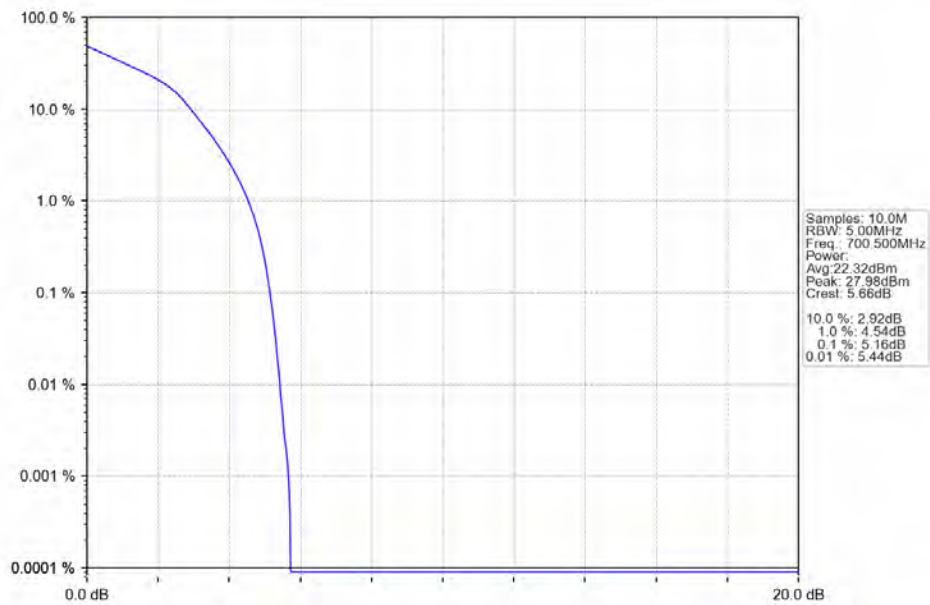
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



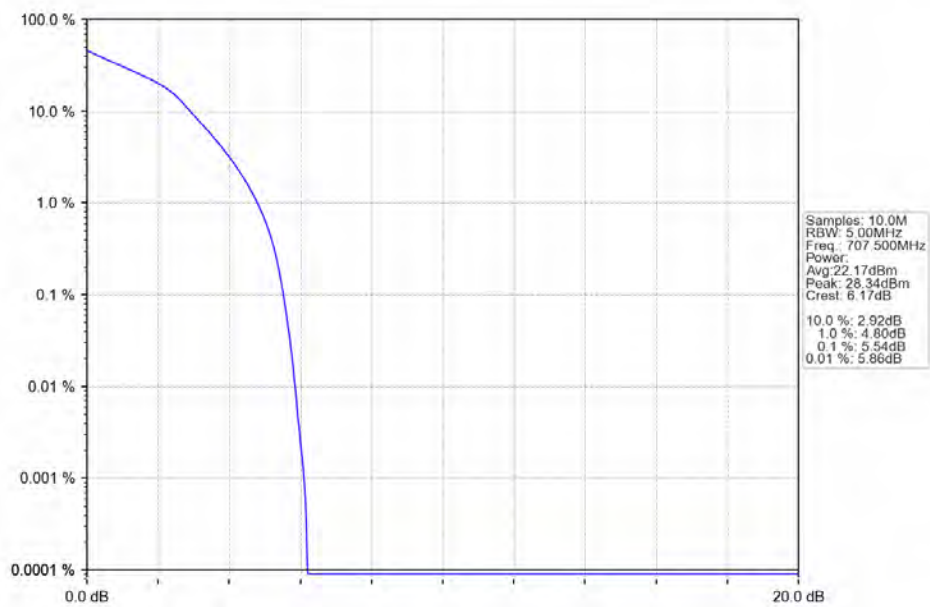
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



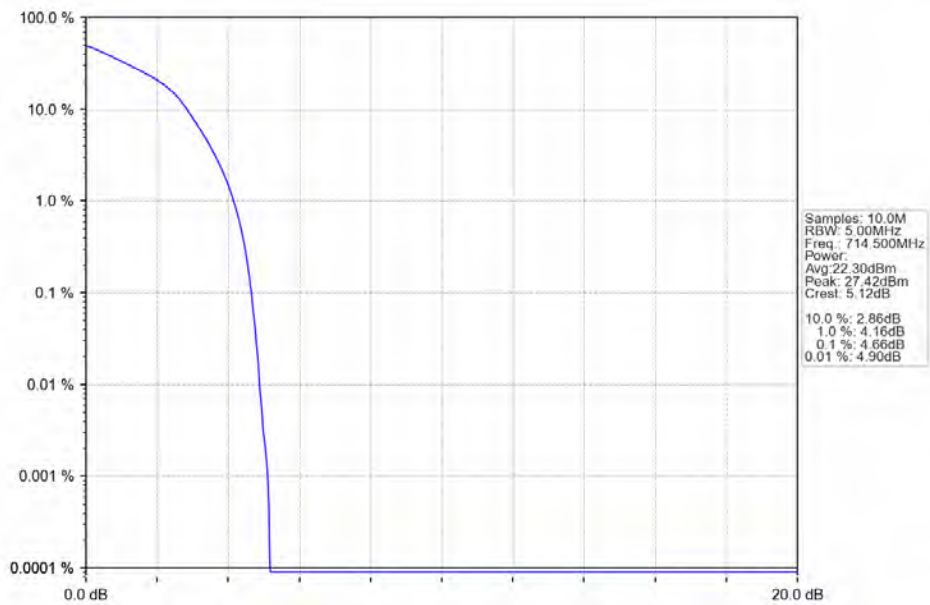
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV

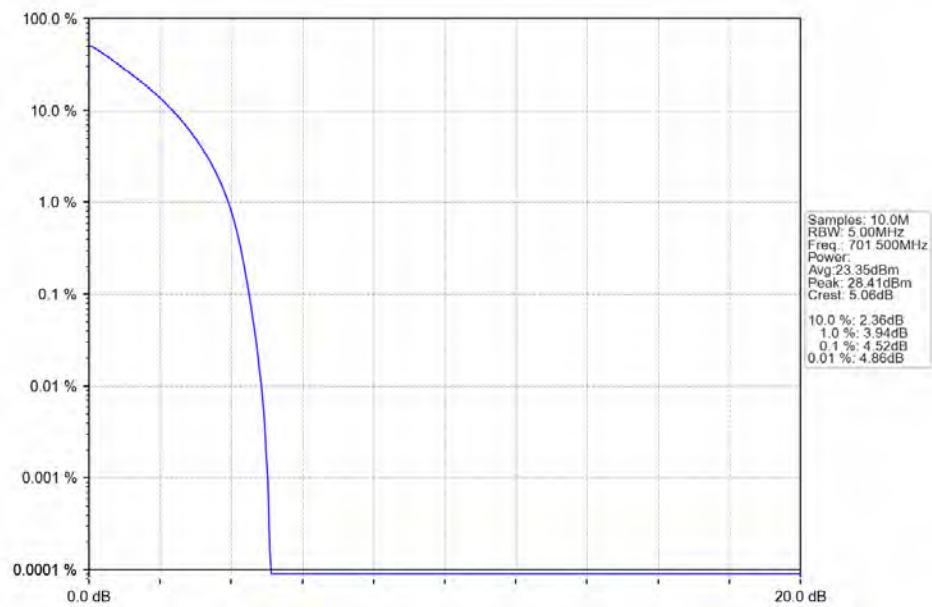


Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV

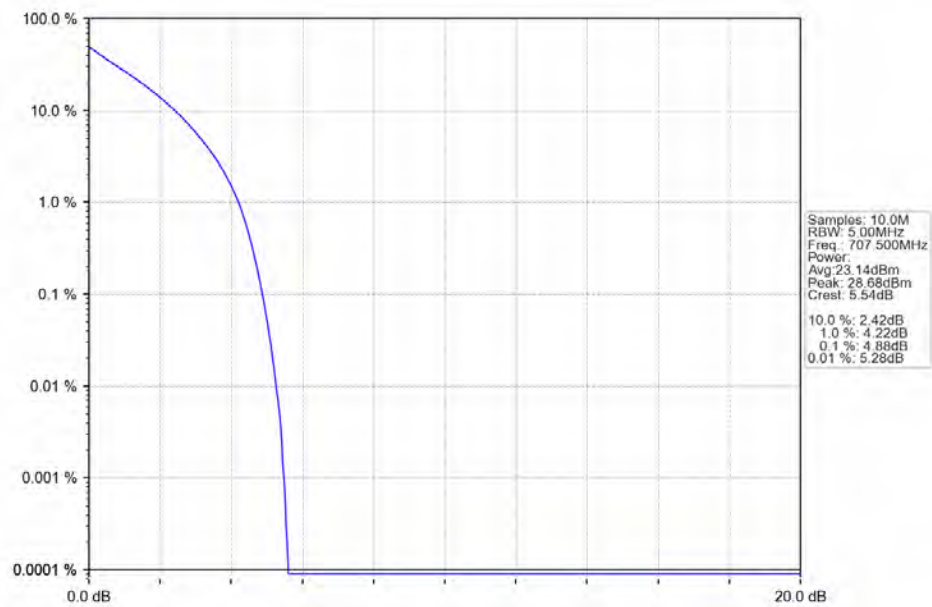


4.2.3 B12_5MHz

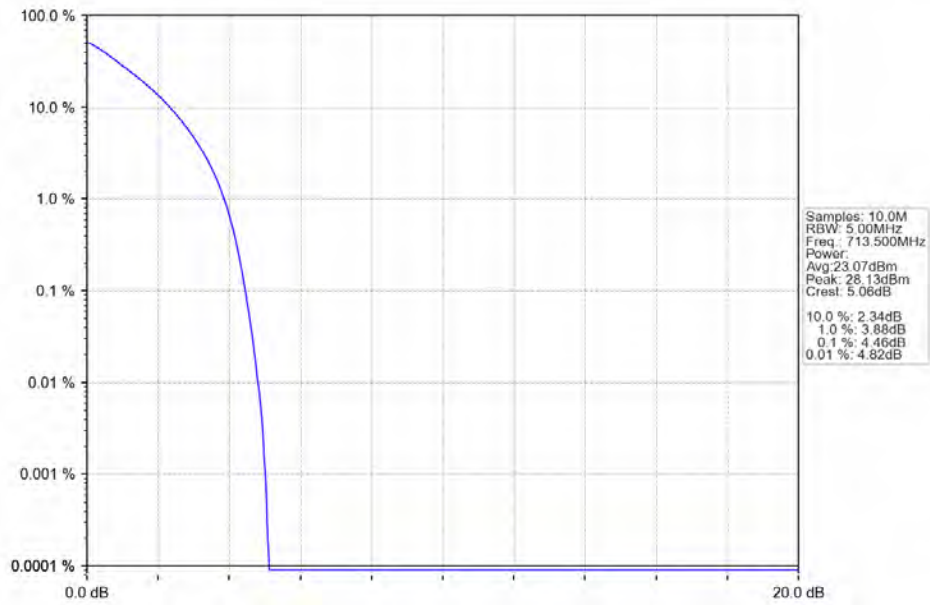
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



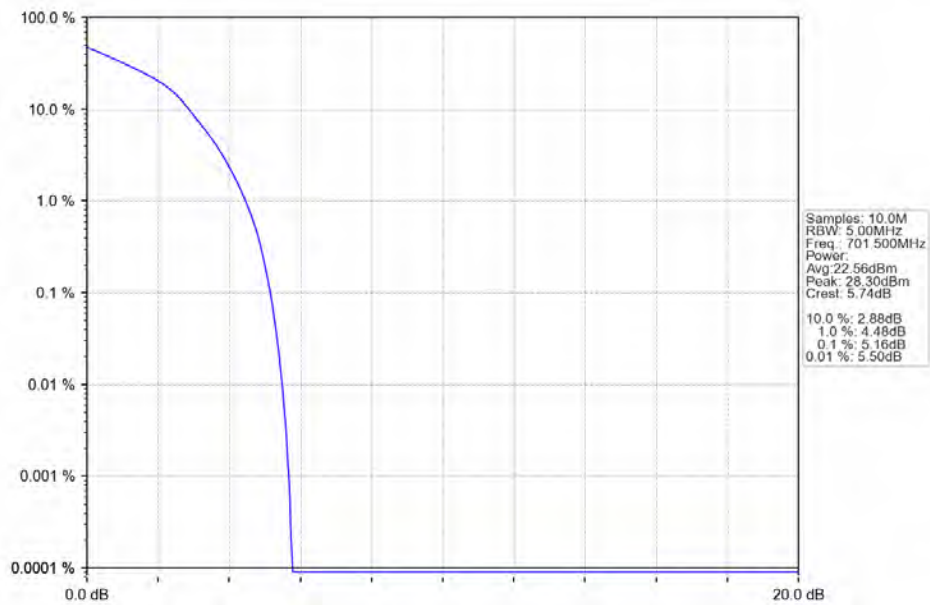
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



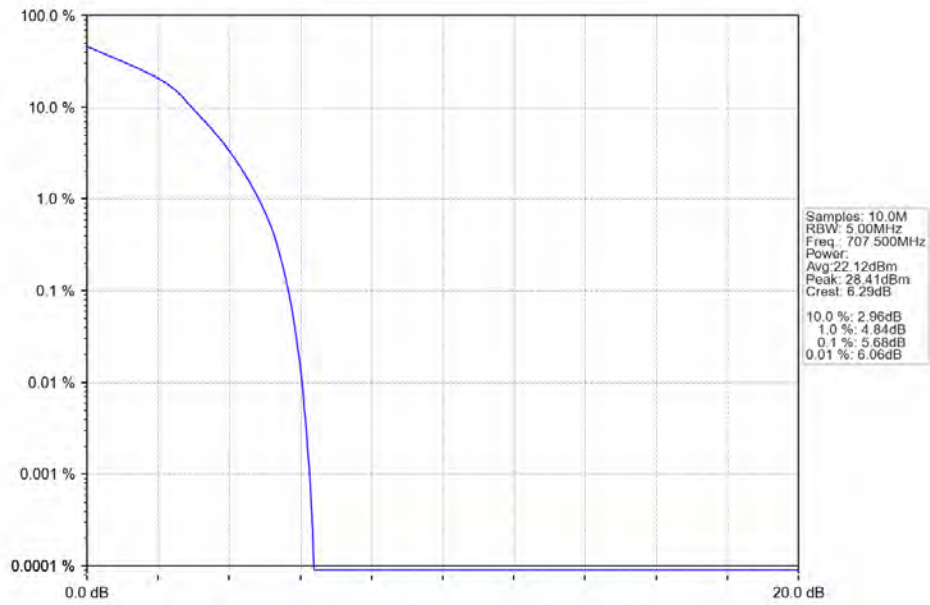
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



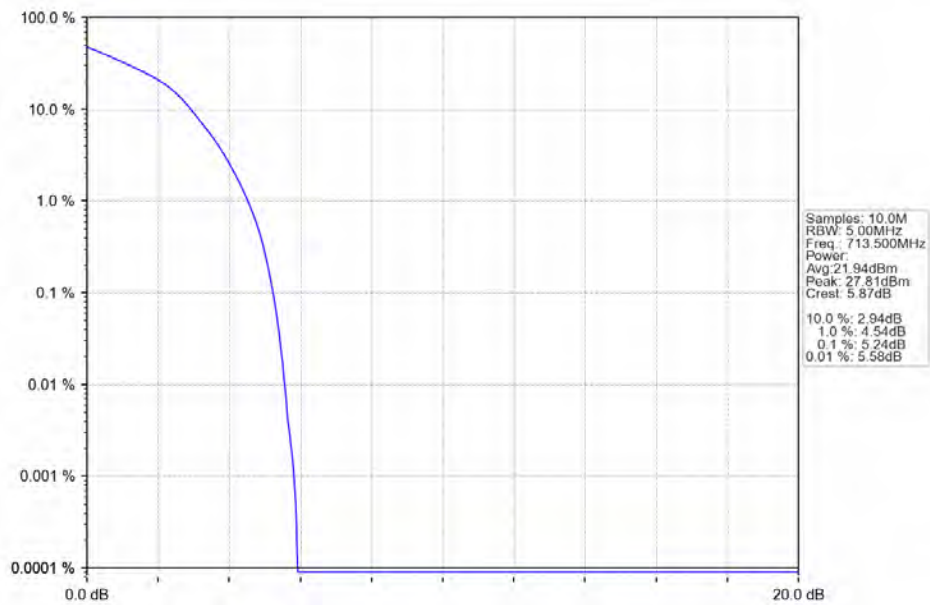
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



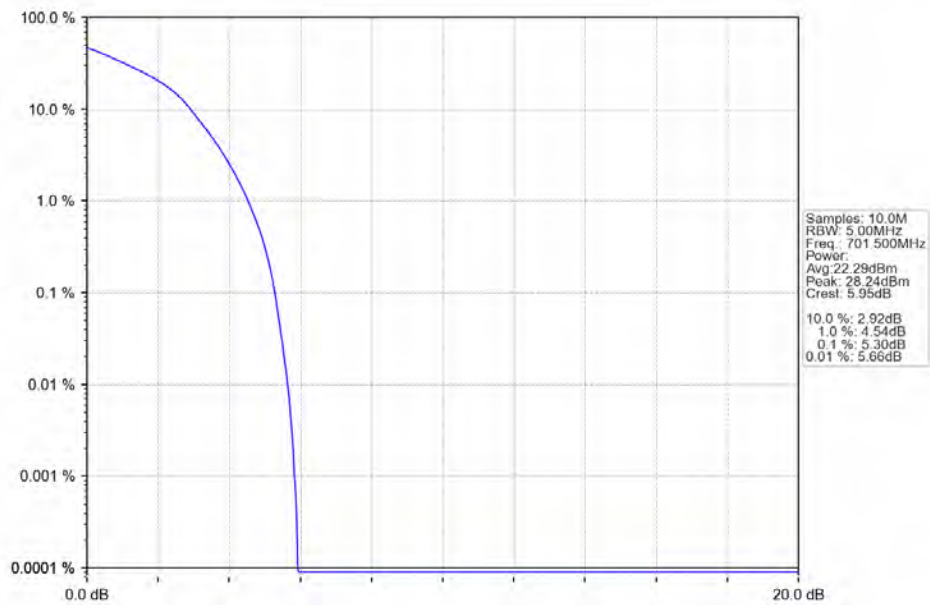
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



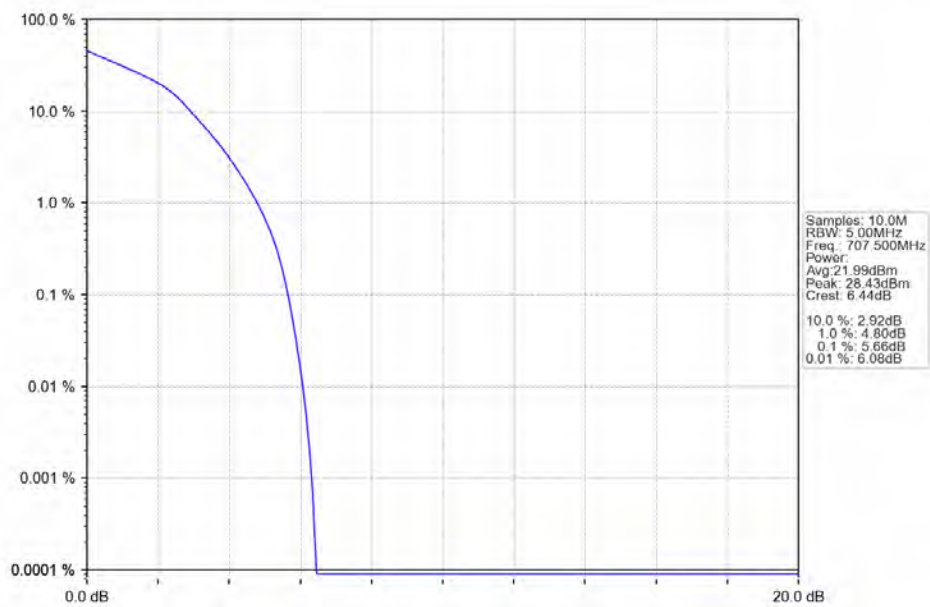
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



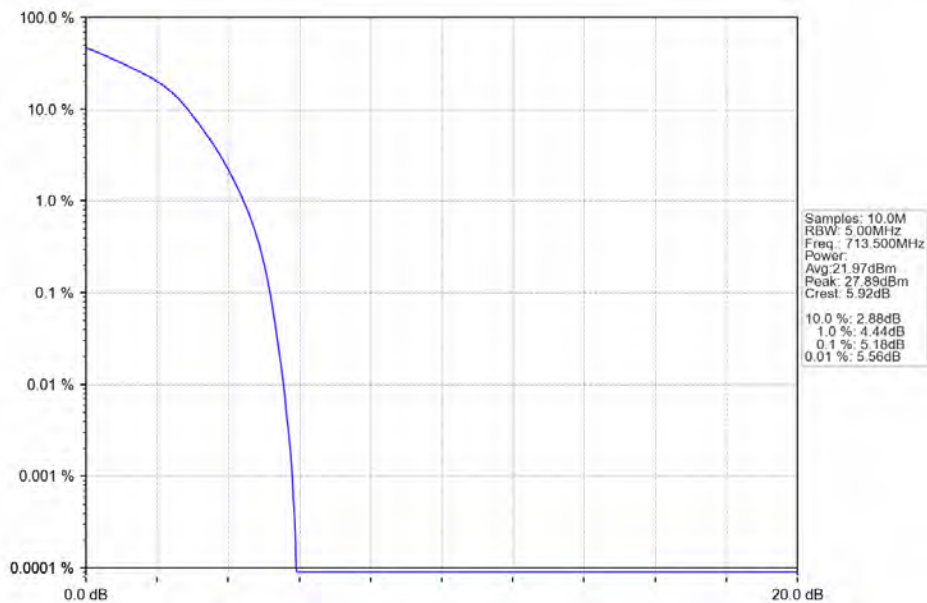
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV

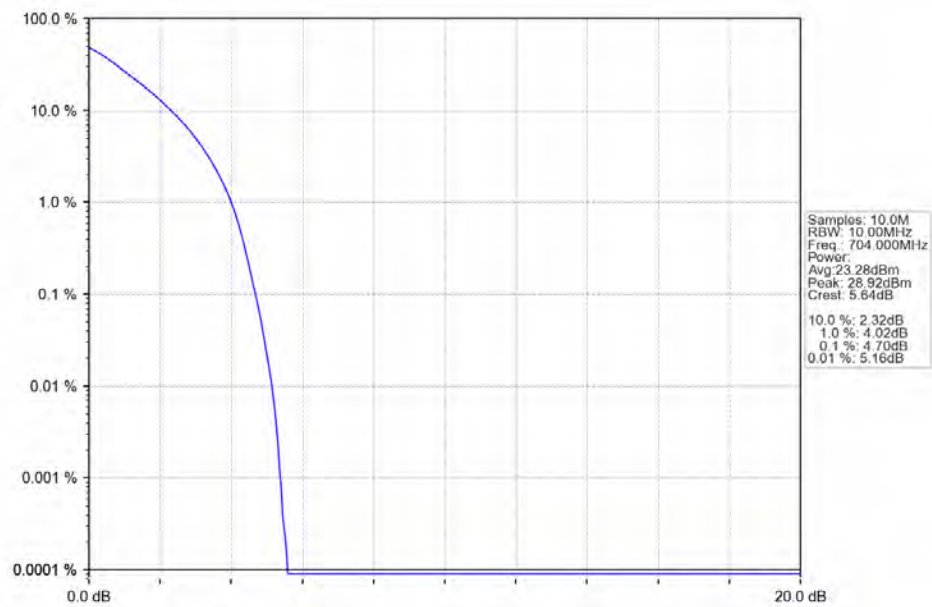


Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV

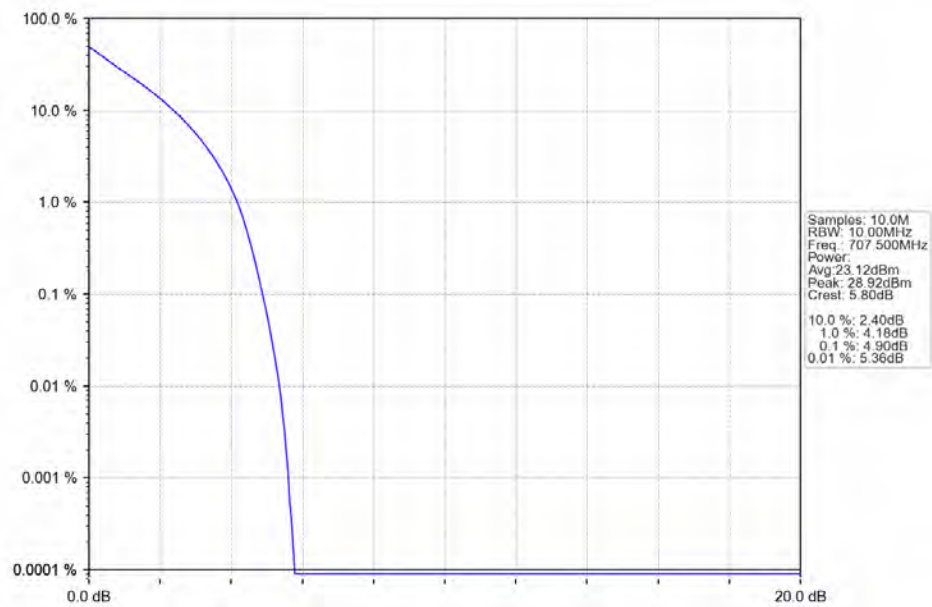


4.2.4 B12_10MHz

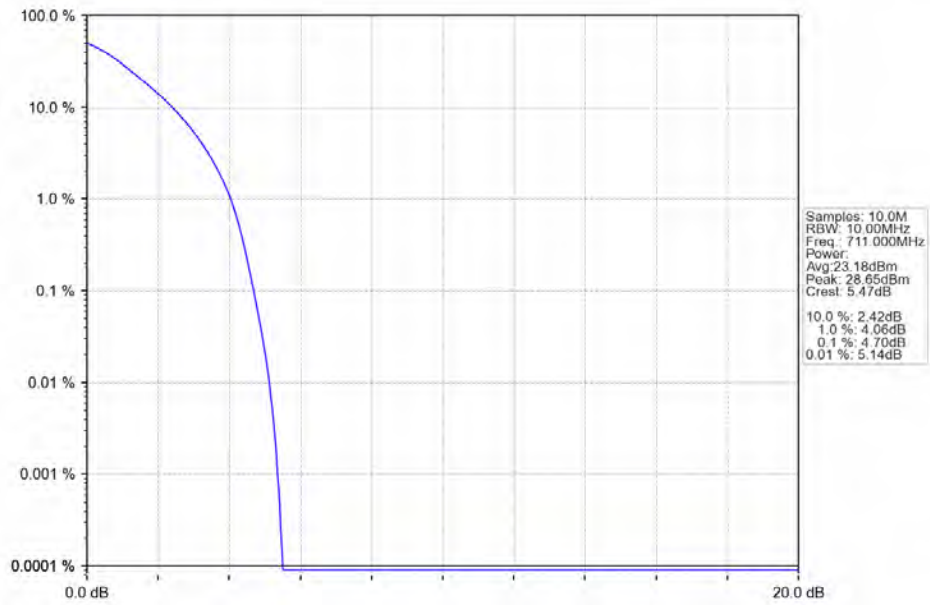
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



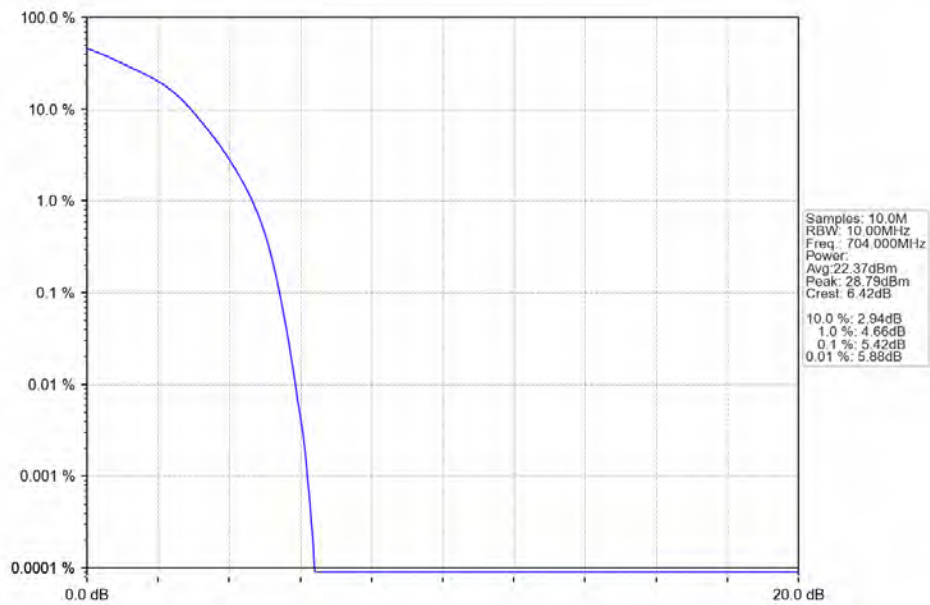
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



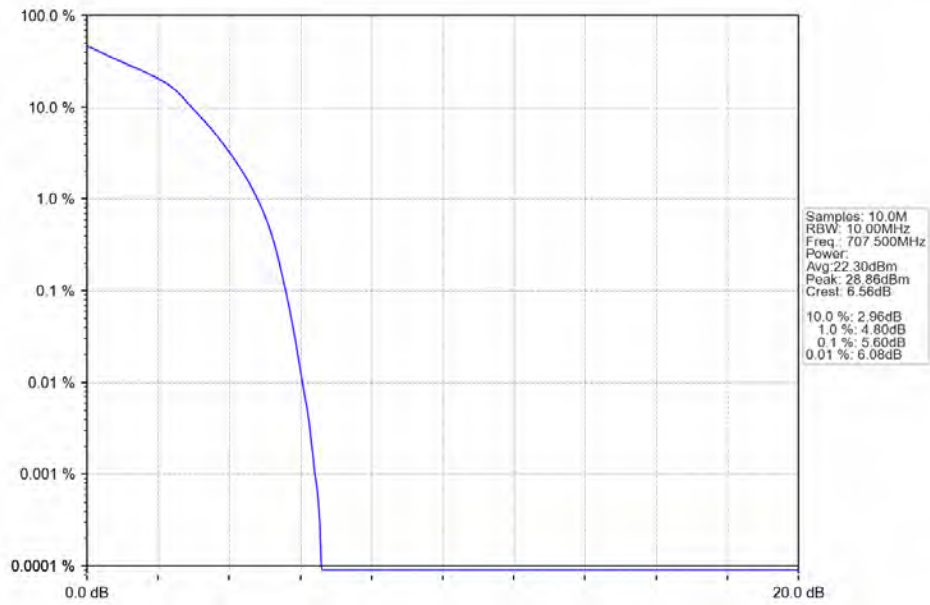
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



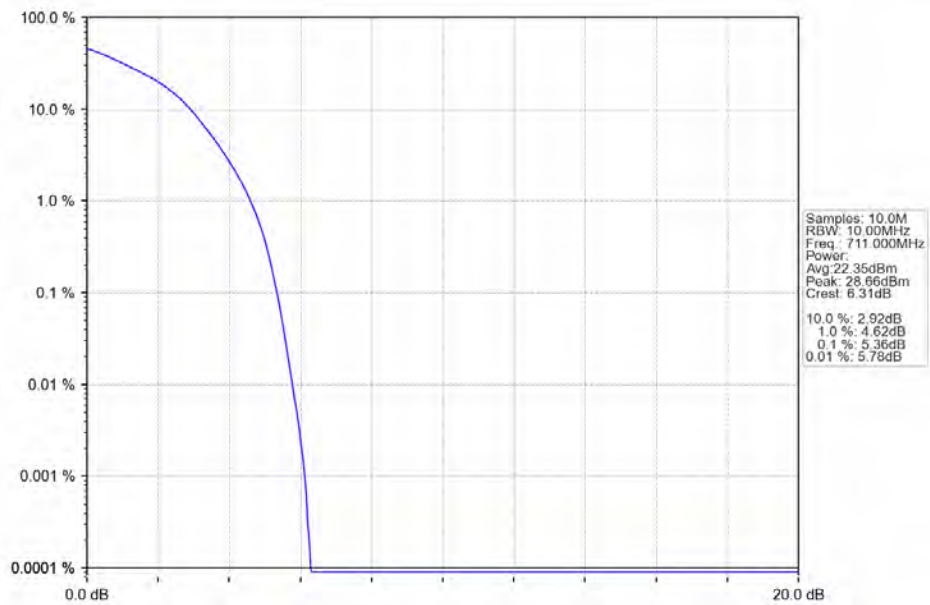
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



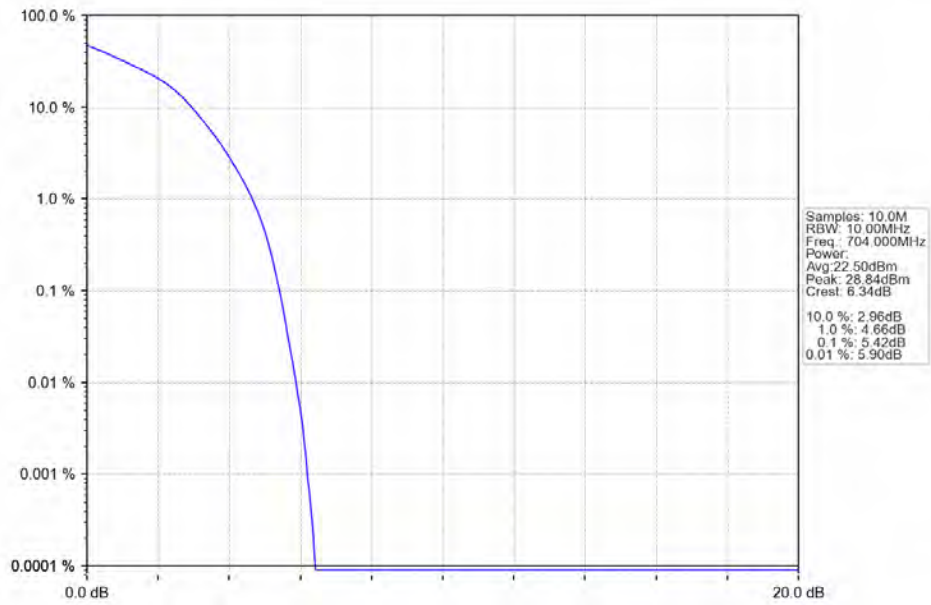
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



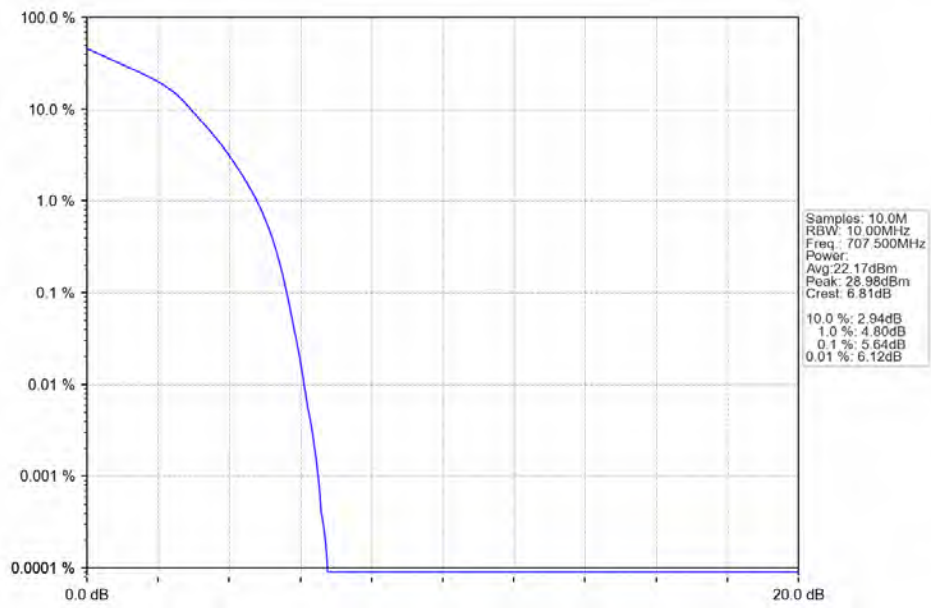
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



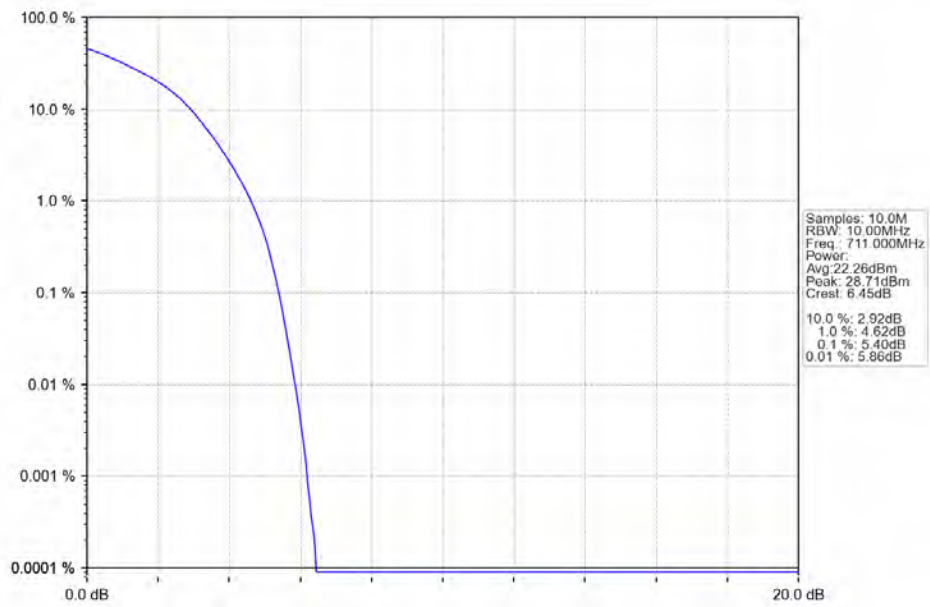
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B12_1.4MHz

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

5.1.2 B12_3MHz

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		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B12_5MHz

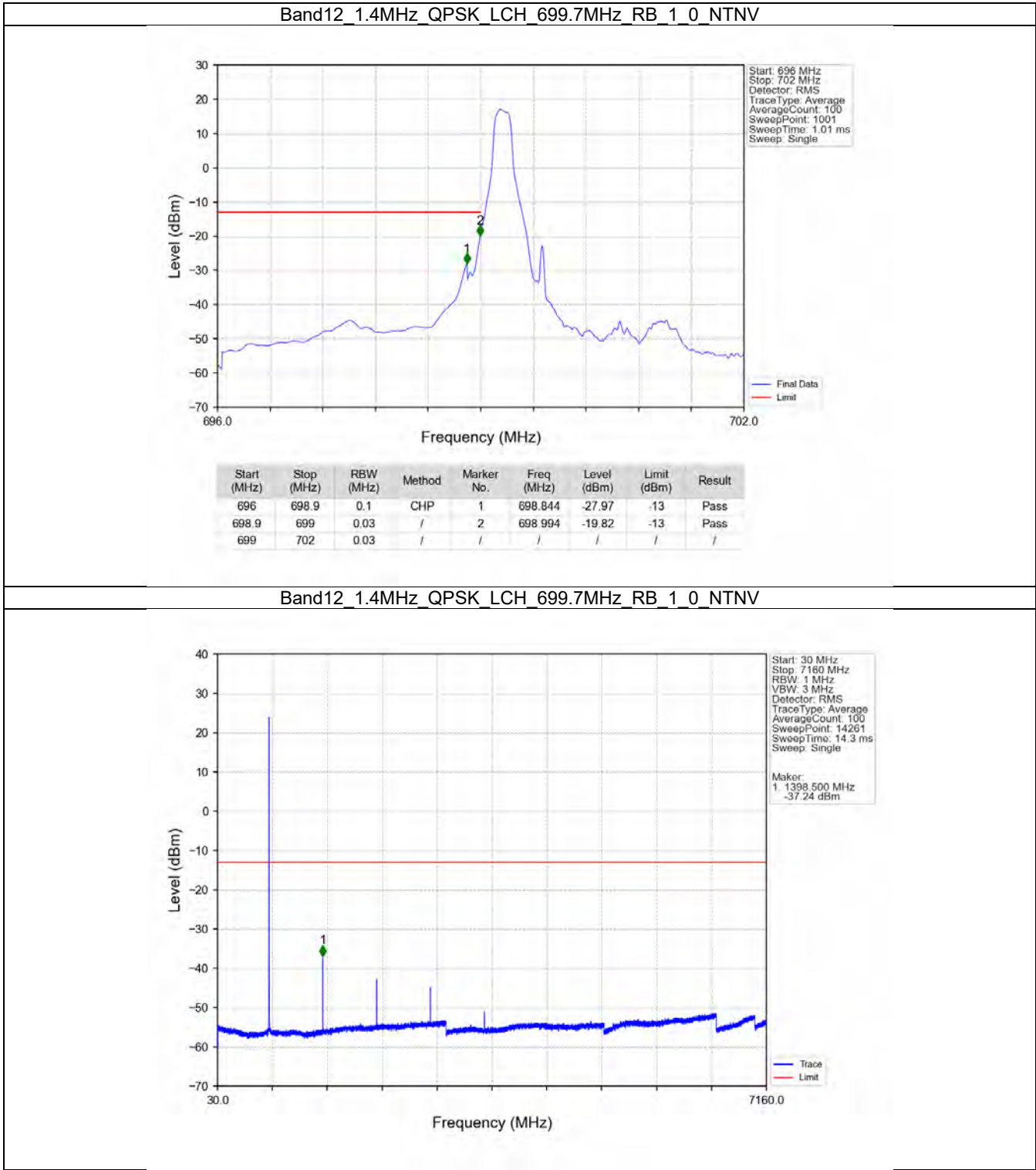
Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B12_10MHz

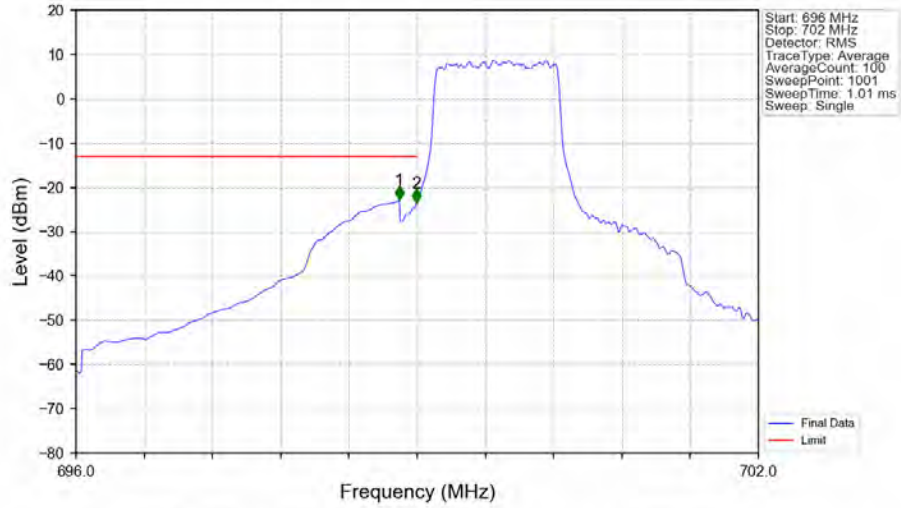
Band: 12 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

5.2 Test Graph

5.2.1 B12_1.4MHz

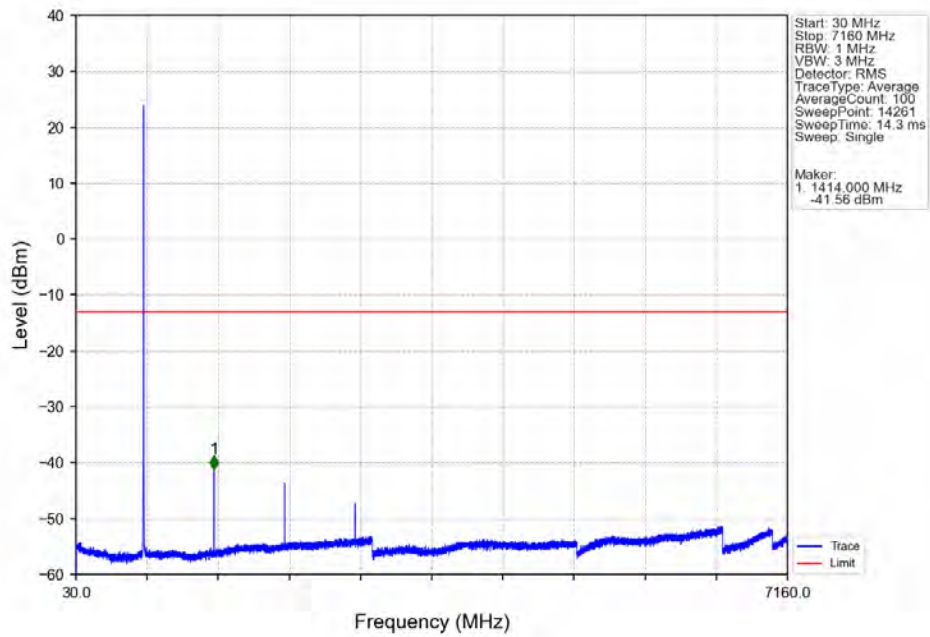


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

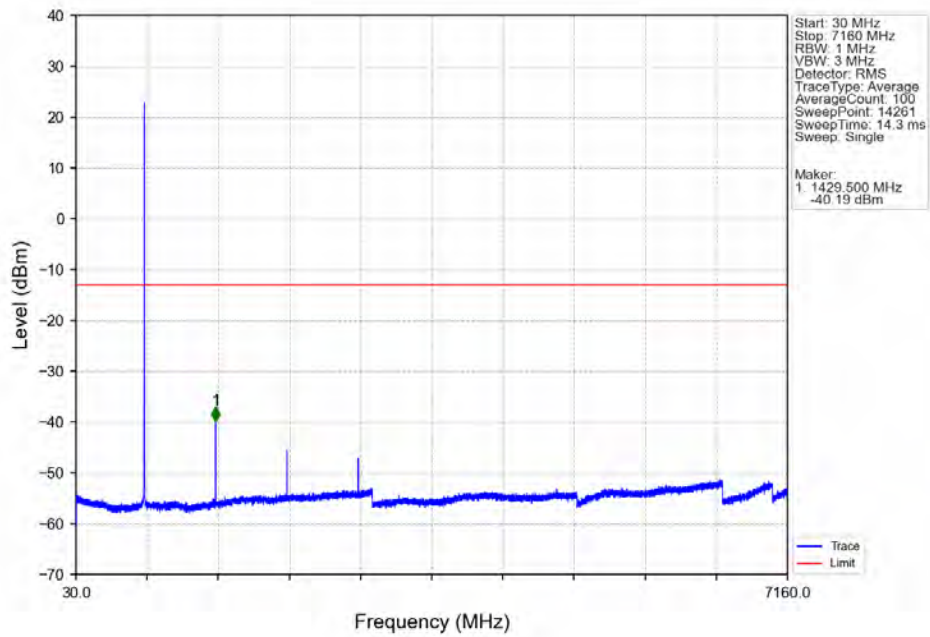


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-22.83	-13	Pass
698.9	699	0.03	/	2	698.994	-23.47	-13	Pass
699	702	0.03	/	/	/	/	/	/

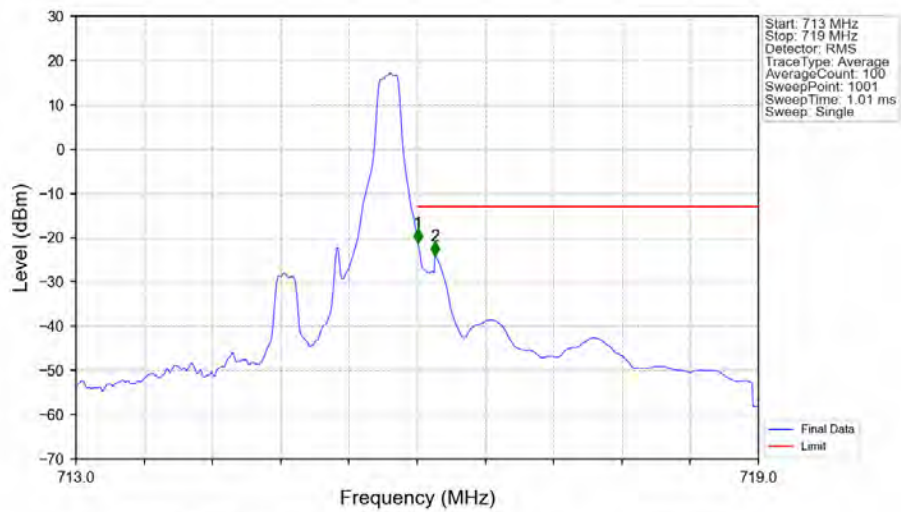
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

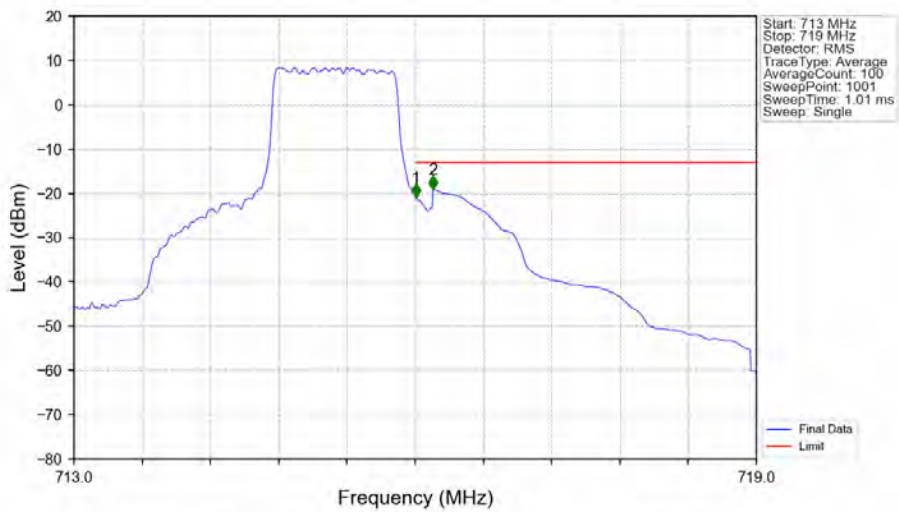


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



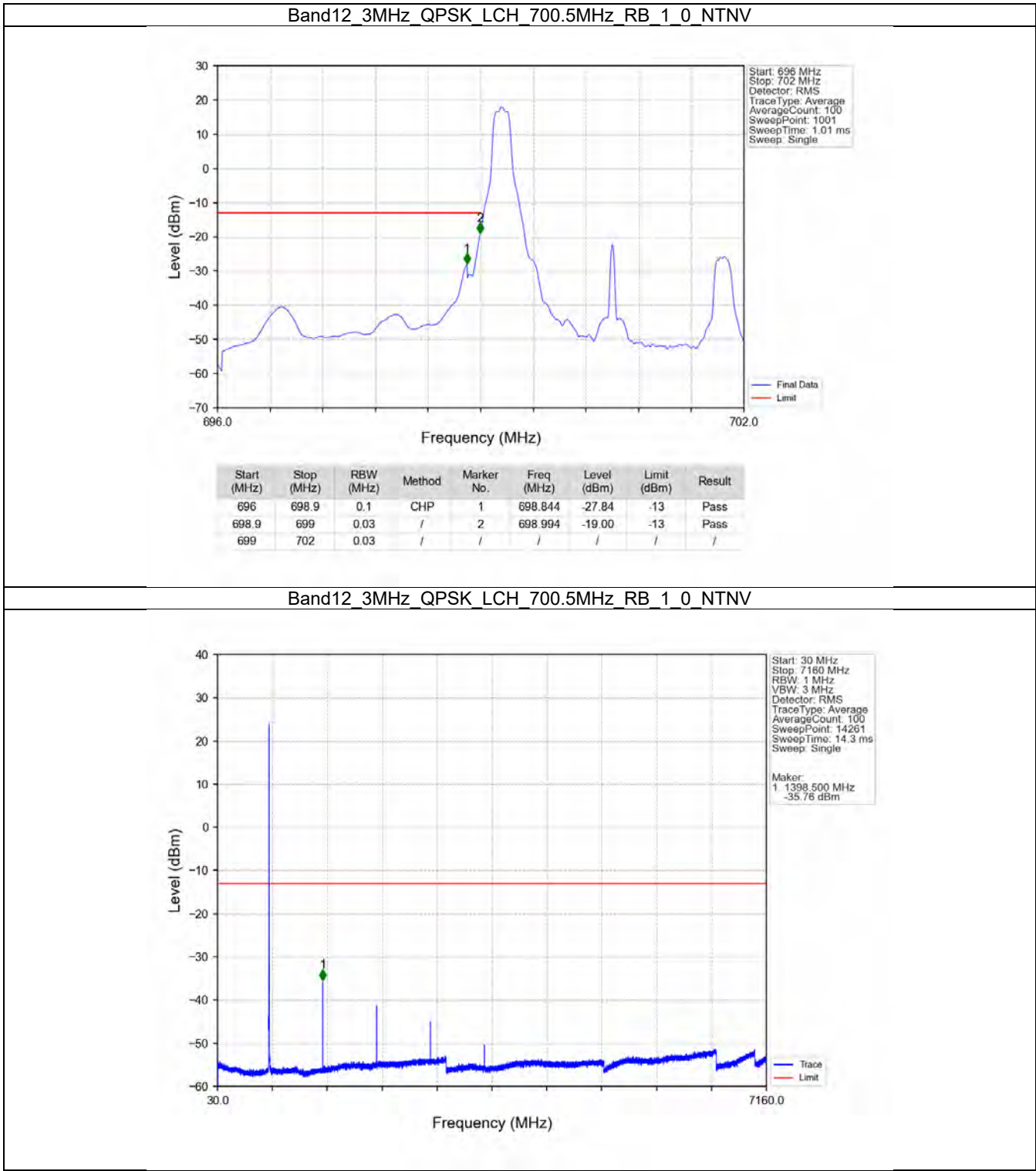
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-21.12	-13	Pass
716.1	719	0.1	CHP	2	716.156	-24.05	-13	Pass

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV

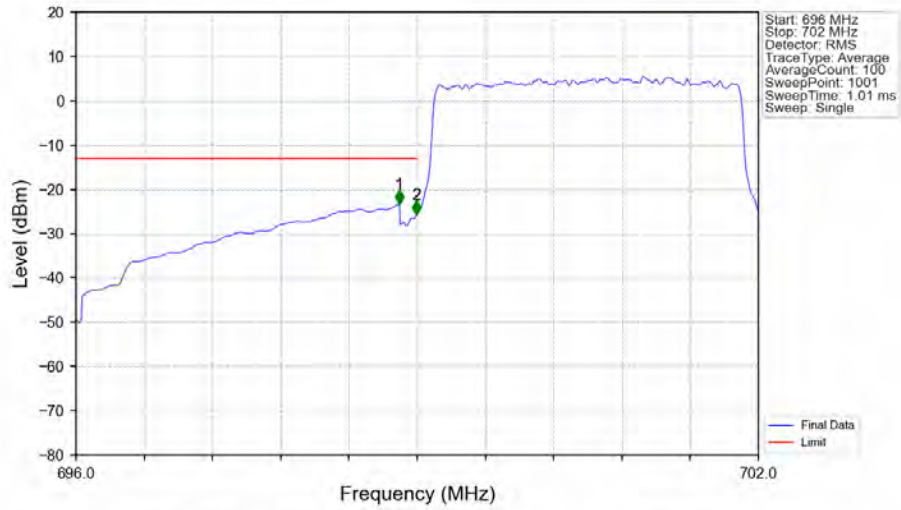


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-20.90	-13	Pass
716.1	719	0.1	CHP	2	716.156	-19.05	-13	Pass

5.2.2 B12_3MHz

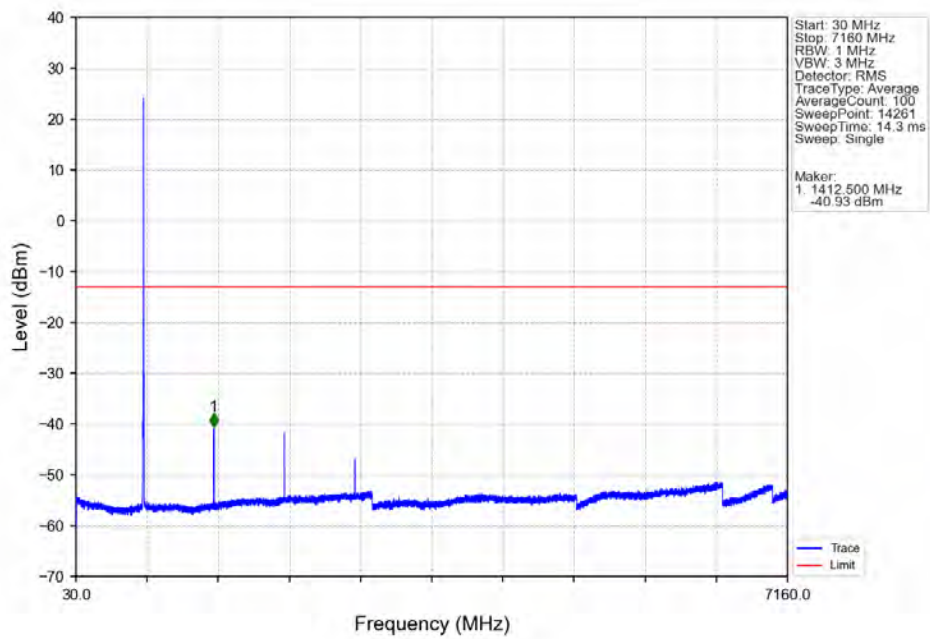


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

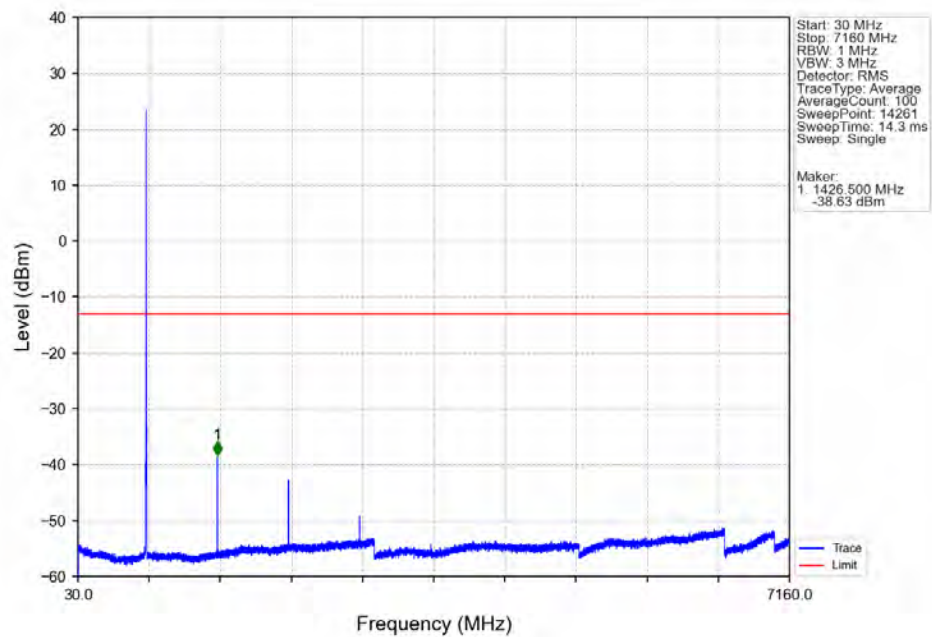


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-23.27	-13	Pass
698.9	699	0.03	/	2	698.994	-25.61	-13	Pass
699	702	0.03	/	/	/	/	/	/

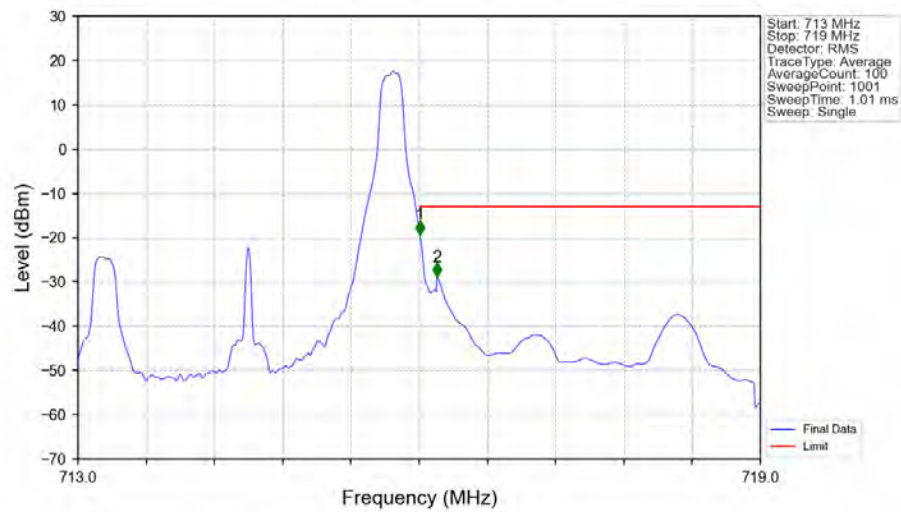
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

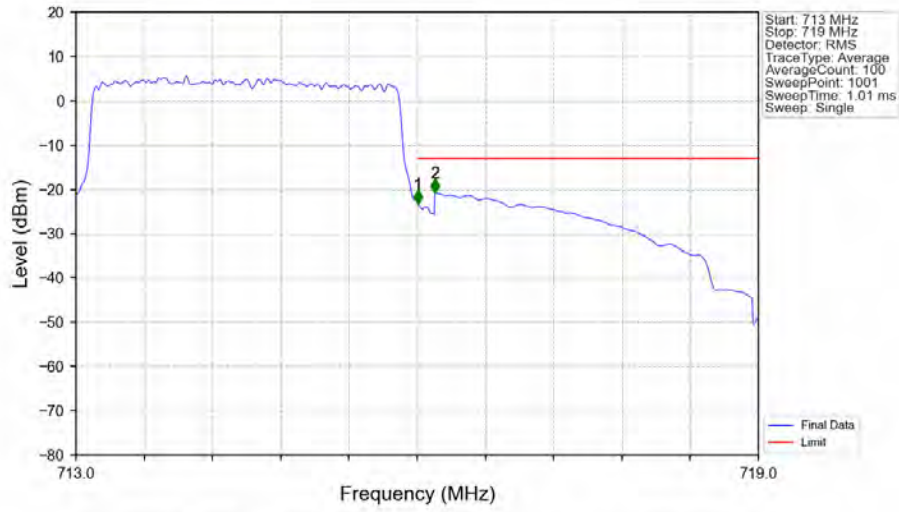


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



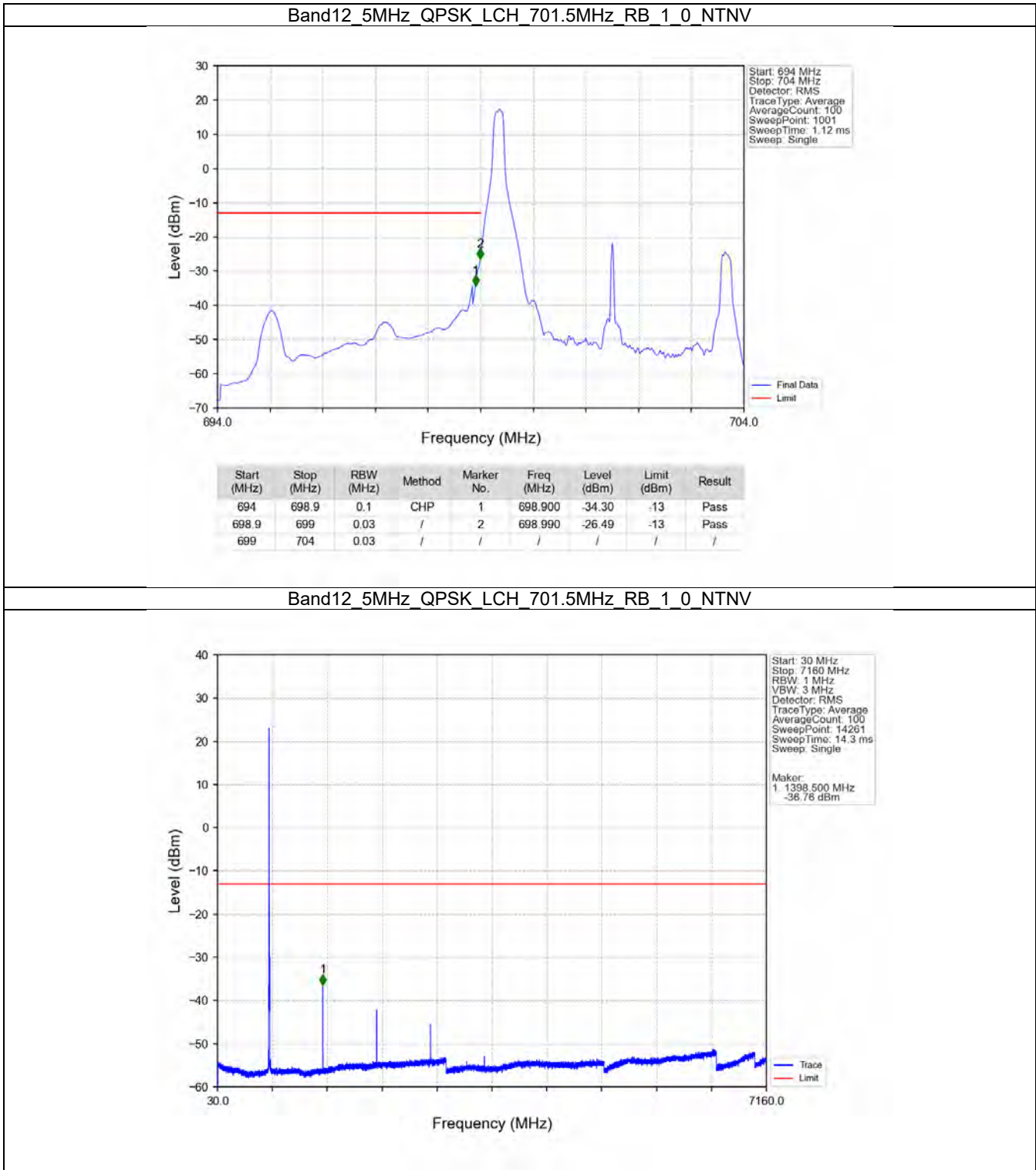
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-19.22	-13	Pass
716.1	719	0.1	CHP	2	716.156	-28.71	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV

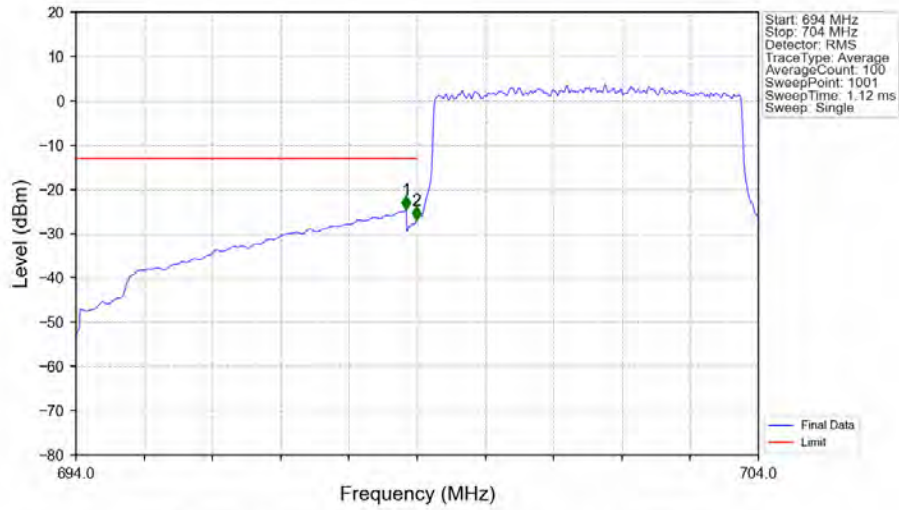


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-23.30	-13	Pass
716.1	719	0.1	CHP	2	716.156	-20.70	-13	Pass

5.2.3 B12_5MHz

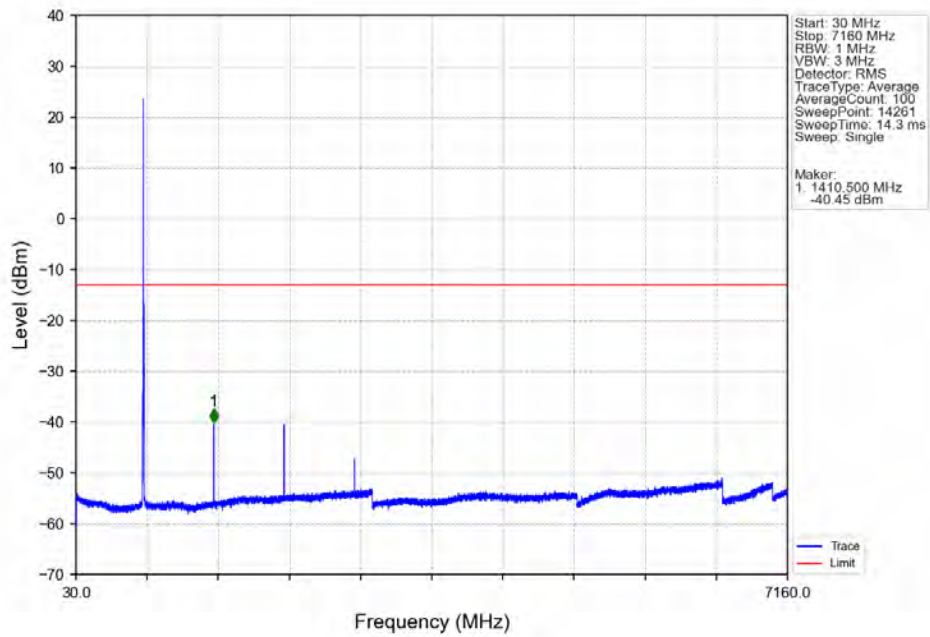


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

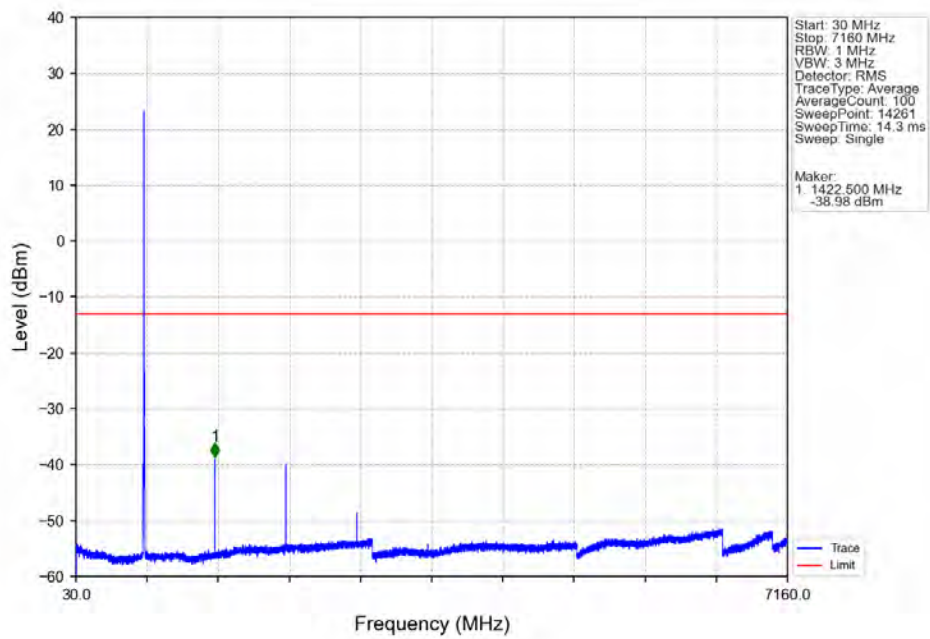


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-24.56	-13	Pass
698.9	699	0.03	/	2	698.990	-27.00	-13	Pass
699	704	0.03	/	/	/	/	/	/

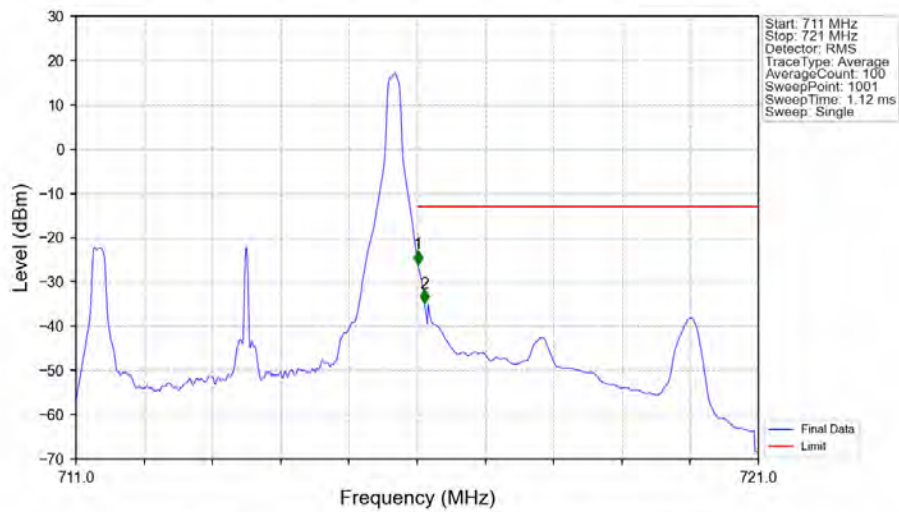
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

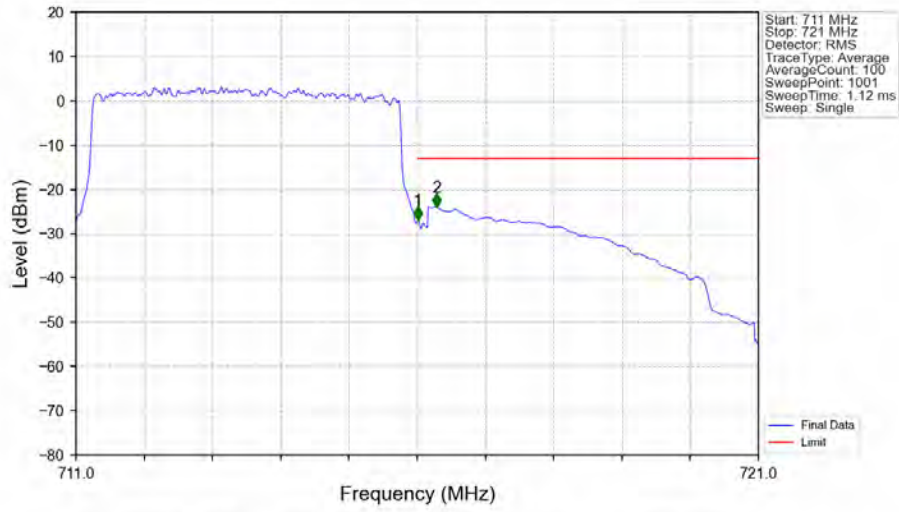


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



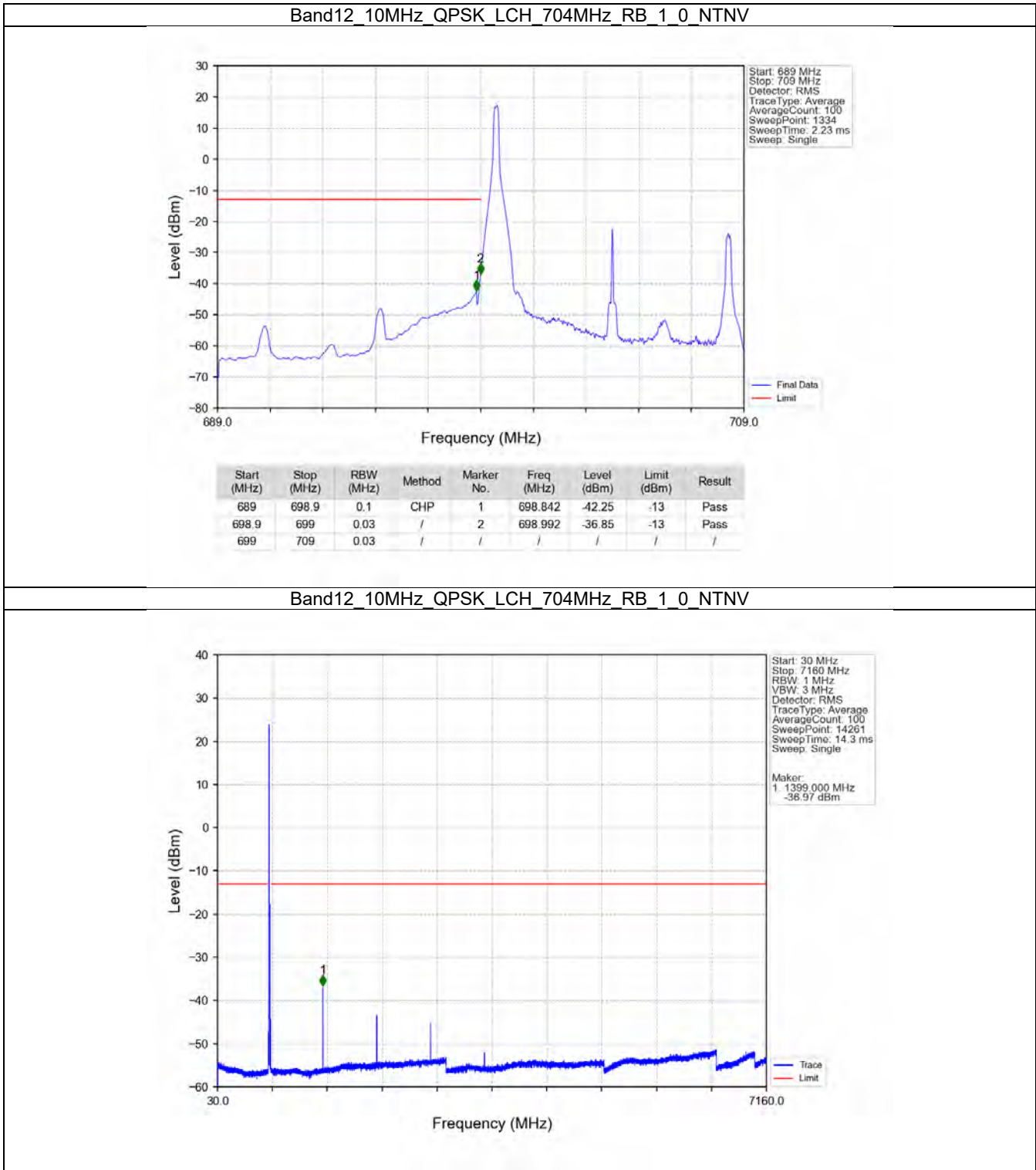
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-25.95	-13	Pass
716.1	721	0.1	CHP	2	716.110	-34.79	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

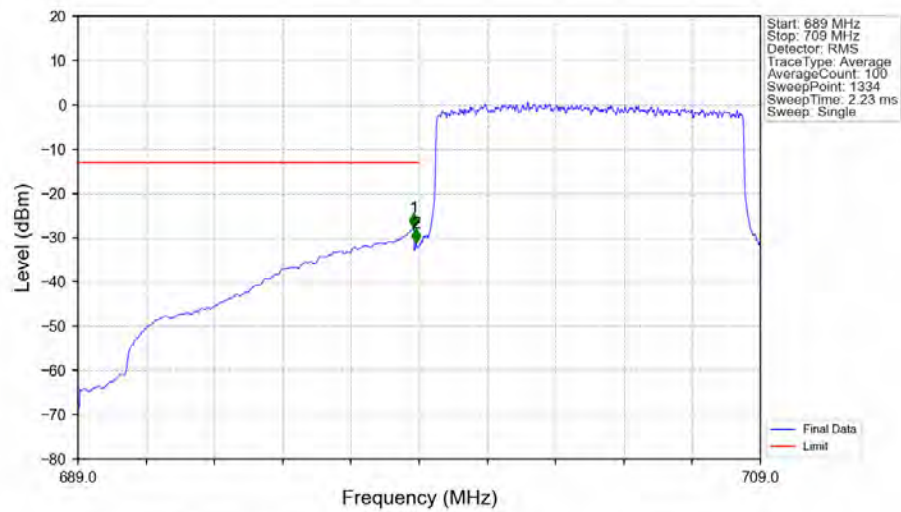


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-26.94	-13	Pass
716.1	721	0.1	CHP	2	716.280	-23.96	-13	Pass

5.2.4 B12_10MHz

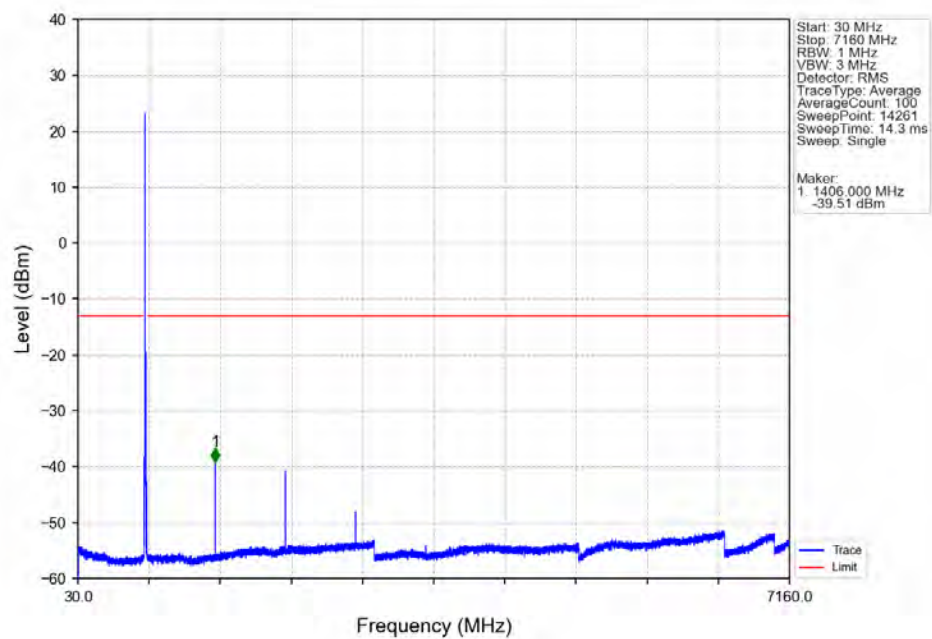


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

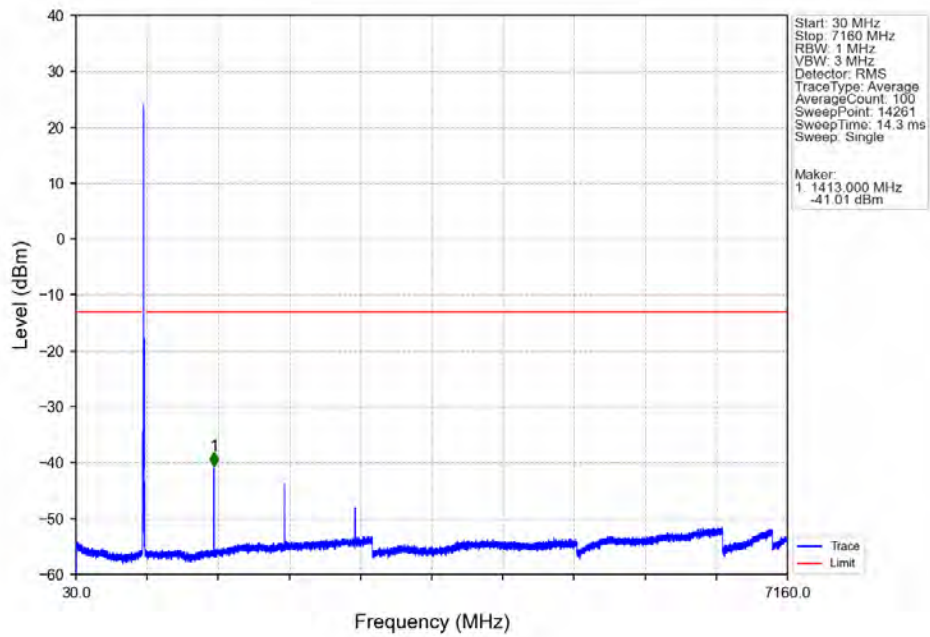


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-27.62	-13	Pass
698.9	699	0.03	/	2	698.902	-31.09	-13	Pass
699	709	0.03	/	/	/	/	/	/

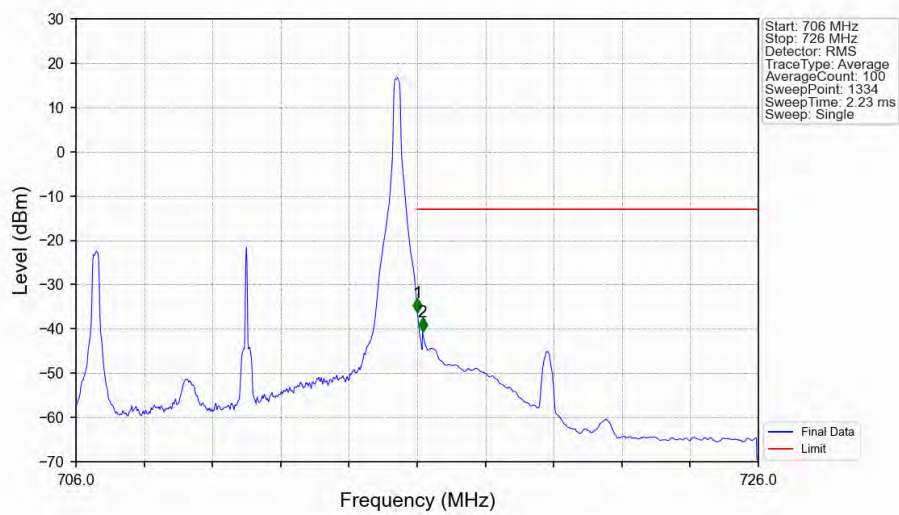
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

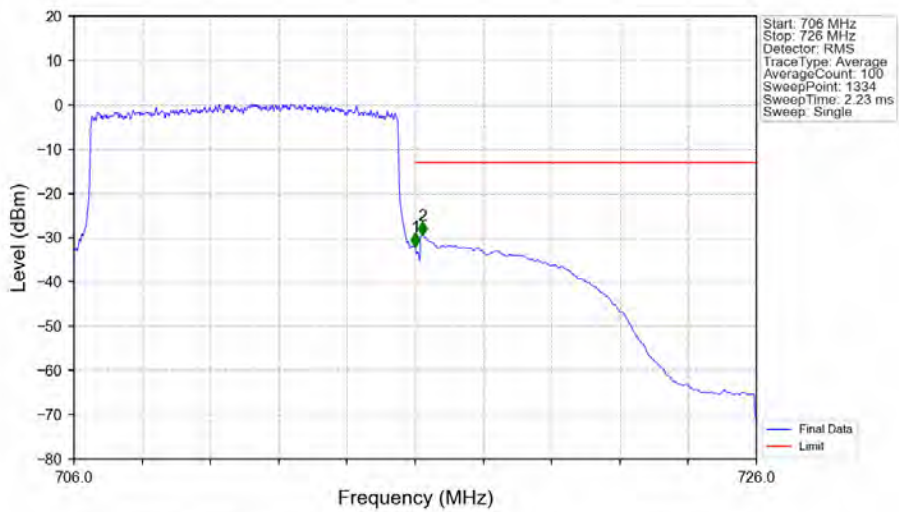


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-36.22	-13	Pass
716.1	726	0.1	CHP	2	716.158	-40.69	-13	Pass

Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-32.12	-13	Pass
716.1	726	0.1	CHP	2	716.218	-29.50	-13	Pass

6. Field Strength of Spurious Radiation

Test Band = LTE Band 12_TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.18	59.84	-50.01	24.10	-61.33	-13.00	48.33	Horizontal
2	2098.77	52.69	-49.46	26.48	-65.55	-13.00	52.55	Horizontal
3	2798.36	68.28	-48.68	27.74	-47.93	-13.00	34.93	Horizontal
4	3497.95	53.32	-48.44	28.50	-61.88	-13.00	48.88	Horizontal
5	4197.54	48.67	-48.36	29.62	-65.33	-13.00	52.33	Horizontal
6	4897.13	49.94	-48.17	30.97	-62.51	-13.00	49.51	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.18	60.72	-50.01	24.10	-60.45	-13.00	47.45	Vertical
2	2098.77	52.18	-49.46	26.48	-66.06	-13.00	53.06	Vertical
3	2798.36	64.18	-48.68	27.74	-52.03	-13.00	39.03	Vertical
4	3497.95	56.90	-48.44	28.50	-58.30	-13.00	45.30	Vertical
5	4197.54	48.07	-48.36	29.62	-65.93	-13.00	52.93	Vertical
6	4897.13	49.03	-48.17	30.97	-63.42	-13.00	50.42	Vertical

Test Band = LTE Band 12_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406	53.66	-50.00	24.14	-67.46	-13.00	54.46	Horizontal
2	2109.27	52.86	-49.46	26.50	-65.37	-13.00	52.37	Horizontal
3	2812.36	62.29	-48.69	27.76	-53.90	-13.00	40.90	Horizontal
4	3515.45	48.91	-48.44	28.52	-66.26	-13.00	53.26	Horizontal
5	4218.54	47.90	-48.30	29.65	-66.01	-13.00	53.01	Horizontal
6	4921.63	49.77	-48.12	31.03	-62.59	-13.00	49.59	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406	52.37	-50.00	24.14	-68.75	-13.00	55.75	Vertical
2	2109.27	50.23	-49.46	26.50	-68.00	-13.00	55.00	Vertical
3	2812.36	61.58	-48.69	27.76	-54.61	-13.00	41.61	Vertical
4	3515.45	51.05	-48.44	28.52	-64.12	-13.00	51.12	Vertical
5	4218.54	47.66	-48.30	29.65	-66.25	-13.00	53.25	Vertical
6	4921.63	48.85	-48.12	31.03	-63.51	-13.00	50.51	Vertical

Test Band = LTE Band 12_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.18	52.80	-49.99	24.19	-68.25	-13.00	55.25	Horizontal
2	2119.77	51.83	-49.47	26.52	-66.38	-13.00	53.38	Horizontal
3	2826.36	65.98	-48.71	27.79	-50.20	-13.00	37.20	Horizontal
4	3532.95	53.07	-48.45	28.55	-62.08	-13.00	49.08	Horizontal
5	4239.54	48.37	-48.23	29.68	-65.43	-13.00	52.43	Horizontal
6	4946.13	48.54	-48.07	31.08	-63.71	-13.00	50.71	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413	52.30	-49.99	24.19	-68.76	-13.00	55.76	Vertical
2	2119.77	50.84	-49.47	26.52	-67.37	-13.00	54.37	Vertical
3	2826.36	61.72	-48.71	27.79	-54.46	-13.00	41.46	Vertical
4	3532.95	58.70	-48.45	28.55	-56.45	-13.00	43.45	Vertical
5	4239.54	47.43	-48.23	29.68	-66.37	-13.00	53.37	Vertical
6	4946.13	48.98	-48.07	31.08	-63.27	-13.00	50.27	Vertical