

Appendix - band_12

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	22.02	-4.55	15.32	<=34.77	Pass	
			2	22.07	-4.55	15.37	<=34.77	Pass	
			5	22.13	-4.55	15.43	<=34.77	Pass	
		3	0	22.11	-4.55	15.41	<=34.77	Pass	
			2	22.06	-4.55	15.36	<=34.77	Pass	
			3	22.05	-4.55	15.35	<=34.77	Pass	
		6	0	21.33	-4.55	14.63	<=34.77	Pass	
		707.5	1	0	22.16	-4.55	15.46	<=34.77	Pass
				2	22.17	-4.55	15.47	<=34.77	Pass
	5			22.18	-4.55	15.48	<=34.77	Pass	
	3		0	22.09	-4.55	15.39	<=34.77	Pass	
			2	22.11	-4.55	15.41	<=34.77	Pass	
			3	22.04	-4.55	15.34	<=34.77	Pass	
	715.3	6	0	21.17	-4.55	14.47	<=34.77	Pass	
		1	0	21.85	-4.55	15.15	<=34.77	Pass	
			2	22.01	-4.55	15.31	<=34.77	Pass	
			5	21.97	-4.55	15.27	<=34.77	Pass	
		3	0	22.05	-4.55	15.35	<=34.77	Pass	
			2	22.07	-4.55	15.37	<=34.77	Pass	
			3	22.08	-4.55	15.38	<=34.77	Pass	
		6	0	20.99	-4.55	14.29	<=34.77	Pass	
16QAM		699.7	1	0	20.90	-4.55	14.20	<=34.77	Pass
	2			20.86	-4.55	14.16	<=34.77	Pass	
	5			20.86	-4.55	14.16	<=34.77	Pass	
	3		0	21.20	-4.55	14.50	<=34.77	Pass	
			2	21.17	-4.55	14.47	<=34.77	Pass	
			3	21.14	-4.55	14.44	<=34.77	Pass	
	6		0	20.56	-4.55	13.86	<=34.77	Pass	
	707.5	1	0	21.15	-4.55	14.45	<=34.77	Pass	
			2	21.14	-4.55	14.44	<=34.77	Pass	
			5	21.19	-4.55	14.49	<=34.77	Pass	
		3	0	21.12	-4.55	14.42	<=34.77	Pass	
			2	21.12	-4.55	14.42	<=34.77	Pass	
			3	21.11	-4.55	14.41	<=34.77	Pass	
	6	0	20.21	-4.55	13.51	<=34.77	Pass		
	715.3	1	0	21.06	-4.55	14.36	<=34.77	Pass	
			2	21.22	-4.55	14.52	<=34.77	Pass	
			5	21.19	-4.55	14.49	<=34.77	Pass	
		3	0	20.97	-4.55	14.27	<=34.77	Pass	
			2	21.08	-4.55	14.38	<=34.77	Pass	
			3	20.96	-4.55	14.26	<=34.77	Pass	
		6	0	20.06	-4.55	13.36	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	700.5	1	0	22.20	-4.55	15.50	<=34.77	Pass	
			7	22.07	-4.55	15.37	<=34.77	Pass	
			14	22.22	-4.55	15.52	<=34.77	Pass	
		8	0	21.36	-4.55	14.66	<=34.77	Pass	
			4	21.29	-4.55	14.59	<=34.77	Pass	
			7	21.07	-4.55	14.37	<=34.77	Pass	
		15	0	21.41	-4.55	14.71	<=34.77	Pass	
		707.5	1	0	21.98	-4.55	15.28	<=34.77	Pass
				7	22.04	-4.55	15.34	<=34.77	Pass
	14			22.07	-4.55	15.37	<=34.77	Pass	
	8		0	21.04	-4.55	14.34	<=34.77	Pass	
			4	21.09	-4.55	14.39	<=34.77	Pass	
			7	21.09	-4.55	14.39	<=34.77	Pass	
	15		0	21.07	-4.55	14.37	<=34.77	Pass	
	714.5		1	0	21.95	-4.55	15.25	<=34.77	Pass
				7	22.00	-4.55	15.30	<=34.77	Pass
		14		22.07	-4.55	15.37	<=34.77	Pass	
		8	0	21.02	-4.55	14.32	<=34.77	Pass	
			4	21.09	-4.55	14.39	<=34.77	Pass	
			7	21.16	-4.55	14.46	<=34.77	Pass	
		15	0	21.03	-4.55	14.33	<=34.77	Pass	
16QAM		700.5	1	0	20.90	-4.55	14.20	<=34.77	Pass
				7	20.89	-4.55	14.19	<=34.77	Pass
	14			20.68	-4.55	13.98	<=34.77	Pass	
	8		0	20.61	-4.55	13.91	<=34.77	Pass	
			4	20.59	-4.55	13.89	<=34.77	Pass	
			7	20.59	-4.55	13.89	<=34.77	Pass	
	15		0	20.51	-4.55	13.81	<=34.77	Pass	
	707.5		1	0	21.81	-4.55	15.11	<=34.77	Pass
				7	21.74	-4.55	15.04	<=34.77	Pass
		14		21.85	-4.55	15.15	<=34.77	Pass	
		8	0	20.19	-4.55	13.49	<=34.77	Pass	
			4	20.22	-4.55	13.52	<=34.77	Pass	
			7	20.09	-4.55	13.39	<=34.77	Pass	
		15	0	20.03	-4.55	13.33	<=34.77	Pass	
		714.5	1	0	21.24	-4.55	14.54	<=34.77	Pass
				7	21.17	-4.55	14.47	<=34.77	Pass
	14			21.28	-4.55	14.58	<=34.77	Pass	
	8		0	20.06	-4.55	13.36	<=34.77	Pass	
			4	20.15	-4.55	13.45	<=34.77	Pass	
			7	20.23	-4.55	13.53	<=34.77	Pass	
	15		0	20.09	-4.55	13.39	<=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	21.89	-4.55	15.19	<=34.77	Pass
			13	21.99	-4.55	15.29	<=34.77	Pass
			24	21.97	-4.55	15.27	<=34.77	Pass
		12	0	21.32	-4.55	14.62	<=34.77	Pass
			6	21.10	-4.55	14.40	<=34.77	Pass
			13	21.11	-4.55	14.41	<=34.77	Pass

16QAM	707.5	25	0	21.11	-4.55	14.41	<=34.77	Pass
			0	21.98	-4.55	15.28	<=34.77	Pass
			13	22.06	-4.55	15.36	<=34.77	Pass
		1	24	21.91	-4.55	15.21	<=34.77	Pass
			0	21.10	-4.55	14.40	<=34.77	Pass
			6	21.01	-4.55	14.31	<=34.77	Pass
			13	21.07	-4.55	14.37	<=34.77	Pass
		12	25	21.13	-4.55	14.43	<=34.77	Pass
			0	22.10	-4.55	15.40	<=34.77	Pass
			13	21.95	-4.55	15.25	<=34.77	Pass
	713.5	1	24	22.12	-4.55	15.42	<=34.77	Pass
			0	21.08	-4.55	14.38	<=34.77	Pass
			6	21.03	-4.55	14.33	<=34.77	Pass
		12	13	20.99	-4.55	14.29	<=34.77	Pass
			25	21.04	-4.55	14.34	<=34.77	Pass
			0	21.43	-4.55	14.73	<=34.77	Pass
		1	13	21.15	-4.55	14.45	<=34.77	Pass
			24	21.23	-4.55	14.53	<=34.77	Pass
			0	20.46	-4.55	13.76	<=34.77	Pass
16QAM	701.5	12	6	20.45	-4.55	13.75	<=34.77	Pass
			13	20.49	-4.55	13.79	<=34.77	Pass
			25	20.53	-4.55	13.83	<=34.77	Pass
	707.5	1	0	20.93	-4.55	14.23	<=34.77	Pass
			13	20.95	-4.55	14.25	<=34.77	Pass
			24	20.88	-4.55	14.18	<=34.77	Pass
		12	0	20.13	-4.55	13.43	<=34.77	Pass
			6	20.06	-4.55	13.36	<=34.77	Pass
			13	20.05	-4.55	13.35	<=34.77	Pass
		25	0	19.99	-4.55	13.29	<=34.77	Pass
	713.5	1	0	20.07	-4.55	13.37	<=34.77	Pass
			13	20.09	-4.55	13.39	<=34.77	Pass
			24	20.17	-4.55	13.47	<=34.77	Pass
		12	0	20.41	-4.55	13.71	<=34.77	Pass
			6	20.05	-4.55	13.35	<=34.77	Pass
			13	20.01	-4.55	13.31	<=34.77	Pass
		25	0	20.11	-4.55	13.41	<=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	21.98	-4.55	15.28	<=34.77	Pass
			25	21.98	-4.55	15.28	<=34.77	Pass
			49	22.03	-4.55	15.33	<=34.77	Pass
		25	0	21.05	-4.55	14.35	<=34.77	Pass
			13	21.09	-4.55	14.39	<=34.77	Pass
			25	21.07	-4.55	14.37	<=34.77	Pass
		50	0	21.19	-4.55	14.49	<=34.77	Pass
	707.5	1	0	22.09	-4.55	15.39	<=34.77	Pass
			25	22.14	-4.55	15.44	<=34.77	Pass
			49	22.17	-4.55	15.47	<=34.77	Pass
		25	0	21.00	-4.55	14.30	<=34.77	Pass
			13	21.14	-4.55	14.44	<=34.77	Pass
			25	21.06	-4.55	14.36	<=34.77	Pass
		50	0	21.15	-4.55	14.45	<=34.77	Pass
	711	1	0	21.95	-4.55	15.25	<=34.77	Pass

16QAM	704	25	25	21.92	-4.55	15.22	<=34.77	Pass
			49	22.03	-4.55	15.33	<=34.77	Pass
			0	21.00	-4.55	14.30	<=34.77	Pass
			13	21.04	-4.55	14.34	<=34.77	Pass
			25	20.97	-4.55	14.27	<=34.77	Pass
	707.5	1	0	20.98	-4.55	14.28	<=34.77	Pass
			25	20.88	-4.55	14.18	<=34.77	Pass
			49	20.61	-4.55	13.91	<=34.77	Pass
			25	20.63	-4.55	13.93	<=34.77	Pass
			0	20.56	-4.55	13.86	<=34.77	Pass
	711	25	13	20.23	-4.55	13.53	<=34.77	Pass
			25	20.26	-4.55	13.56	<=34.77	Pass
			0	20.14	-4.55	13.44	<=34.77	Pass
			1	21.14	-4.55	14.44	<=34.77	Pass
			25	21.16	-4.55	14.46	<=34.77	Pass
	707.5	1	49	21.02	-4.55	14.32	<=34.77	Pass
			0	20.27	-4.55	13.57	<=34.77	Pass
			13	20.11	-4.55	13.41	<=34.77	Pass
			25	20.49	-4.55	13.79	<=34.77	Pass
			0	20.18	-4.55	13.48	<=34.77	Pass
	711	25	0	21.07	-4.55	14.37	<=34.77	Pass
			25	21.03	-4.55	14.33	<=34.77	Pass
			49	21.19	-4.55	14.49	<=34.77	Pass
			0	20.07	-4.55	13.37	<=34.77	Pass
			13	20.38	-4.55	13.68	<=34.77	Pass
	704	25	25	20.03	-4.55	13.33	<=34.77	Pass
			0	20.45	-4.55	13.75	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	3.27	0.558	0.0008	-2.5 to 2.5	Pass
					3.85	2.360	0.0034	-2.5 to 2.5	Pass
					4.43	11.201	0.0160	-2.5 to 2.5	Pass
				-30	3.85	20.671	0.0295	-2.5 to 2.5	Pass
				-20	3.85	26.879	0.0384	-2.5 to 2.5	Pass
				-10	3.85	33.116	0.0473	-2.5 to 2.5	Pass
				0	3.85	37.894	0.0542	-2.5 to 2.5	Pass
				10	3.85	42.658	0.0610	-2.5 to 2.5	Pass
				30	3.85	-7.396	-0.0106	-2.5 to 2.5	Pass
				40	3.85	-5.250	-0.0075	-2.5 to 2.5	Pass
	707.5	6	0	20	3.85	-2.589	-0.0037	-2.5 to 2.5	Pass
					3.27	-0.300	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.631	-0.0023	-2.5 to 2.5	Pass
				-30	4.43	-2.360	-0.0033	-2.5 to 2.5	Pass
					3.85	-2.561	-0.0036	-2.5 to 2.5	Pass
					3.85	-2.518	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-1.974	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-1.345	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-1.316	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-1.316	-0.0019	-2.5 to 2.5	Pass

16QAM	715.3	6	0	30	3.85	-1.173	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-1.130	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
				20	3.27	0.172	0.0002	-2.5 to 2.5	Pass
					3.85	-2.074	-0.0029	-2.5 to 2.5	Pass
					4.43	-0.887	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	0.572	0.0008	-2.5 to 2.5	Pass
				-20	3.85	2.232	0.0031	-2.5 to 2.5	Pass
				-10	3.85	2.632	0.0037	-2.5 to 2.5	Pass
				0	3.85	3.905	0.0055	-2.5 to 2.5	Pass
				10	3.85	5.279	0.0074	-2.5 to 2.5	Pass
				30	3.85	6.452	0.0090	-2.5 to 2.5	Pass
				40	3.85	6.952	0.0097	-2.5 to 2.5	Pass
				50	3.85	6.895	0.0096	-2.5 to 2.5	Pass
	699.7	6	0	20	3.27	0.057	0.0001	-2.5 to 2.5	Pass
					3.85	0.114	0.0002	-2.5 to 2.5	Pass
					4.43	0.472	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.087	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-0.758	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.587	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.615	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-1.259	-0.0018	-2.5 to 2.5	Pass
					3.85	-2.632	-0.0037	-2.5 to 2.5	Pass
					4.43	-3.405	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-4.063	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-4.177	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-5.393	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-5.493	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-6.309	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-5.550	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-7.467	-0.0106	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	6.480	0.0091	-2.5 to 2.5	Pass
					3.85	5.894	0.0082	-2.5 to 2.5	Pass
					4.43	6.609	0.0092	-2.5 to 2.5	Pass
				-30	3.85	5.436	0.0076	-2.5 to 2.5	Pass
				-20	3.85	4.091	0.0057	-2.5 to 2.5	Pass
				-10	3.85	3.033	0.0042	-2.5 to 2.5	Pass
				0	3.85	2.775	0.0039	-2.5 to 2.5	Pass
				10	3.85	2.046	0.0029	-2.5 to 2.5	Pass
				30	3.85	1.302	0.0018	-2.5 to 2.5	Pass
				40	3.85	0.544	0.0008	-2.5 to 2.5	Pass
				50	3.85	0.715	0.0010	-2.5 to 2.5	Pass

2.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	0.758	0.0011	-2.5 to 2.5	Pass
					3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
					4.43	5.579	0.0080	-2.5 to 2.5	Pass
				-30	3.85	12.774	0.0182	-2.5 to 2.5	Pass
				-20	3.85	17.638	0.0252	-2.5 to 2.5	Pass

16QAM				-10	3.85	21.744	0.0310	-2.5 to 2.5	Pass		
				0	3.85	24.061	0.0343	-2.5 to 2.5	Pass		
				10	3.85	27.394	0.0391	-2.5 to 2.5	Pass		
				30	3.85	29.097	0.0415	-2.5 to 2.5	Pass		
				40	3.85	30.141	0.0430	-2.5 to 2.5	Pass		
				50	3.85	30.928	0.0442	-2.5 to 2.5	Pass		
	707.5	15	0	20	3.27	-2.990	-0.0042	-2.5 to 2.5	Pass		
					3.85	-5.407	-0.0076	-2.5 to 2.5	Pass		
					4.43	-3.719	-0.0053	-2.5 to 2.5	Pass		
				-30	3.85	-1.674	-0.0024	-2.5 to 2.5	Pass		
				-20	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass		
				-10	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass		
				0	3.85	-1.030	-0.0015	-2.5 to 2.5	Pass		
				10	3.85	1.702	0.0024	-2.5 to 2.5	Pass		
				30	3.85	1.202	0.0017	-2.5 to 2.5	Pass		
				40	3.85	1.645	0.0023	-2.5 to 2.5	Pass		
				50	3.85	1.302	0.0018	-2.5 to 2.5	Pass		
				714.5	15	0	20	3.27	-1.159	-0.0016	-2.5 to 2.5
	3.85	-2.618	-0.0037					-2.5 to 2.5	Pass		
	4.43	0.129	0.0002					-2.5 to 2.5	Pass		
	-30	3.85	1.445				0.0020	-2.5 to 2.5	Pass		
	-20	3.85	2.789				0.0039	-2.5 to 2.5	Pass		
	-10	3.85	4.692				0.0066	-2.5 to 2.5	Pass		
	0	3.85	6.008				0.0084	-2.5 to 2.5	Pass		
	10	3.85	7.367				0.0103	-2.5 to 2.5	Pass		
	30	3.85	7.582				0.0106	-2.5 to 2.5	Pass		
	40	3.85	7.811				0.0109	-2.5 to 2.5	Pass		
	50	3.85	8.340				0.0117	-2.5 to 2.5	Pass		
	700.5	15	0				20	3.27	32.988	0.0471	-2.5 to 2.5
				3.85	33.188	0.0474		-2.5 to 2.5	Pass		
				4.43	32.558	0.0465		-2.5 to 2.5	Pass		
				-30	3.85	31.114	0.0444	-2.5 to 2.5	Pass		
				-20	3.85	31.199	0.0445	-2.5 to 2.5	Pass		
				-10	3.85	30.184	0.0431	-2.5 to 2.5	Pass		
				0	3.85	30.885	0.0441	-2.5 to 2.5	Pass		
				10	3.85	29.955	0.0428	-2.5 to 2.5	Pass		
30				3.85	29.426	0.0420	-2.5 to 2.5	Pass			
40				3.85	29.984	0.0428	-2.5 to 2.5	Pass			
50				3.85	30.198	0.0431	-2.5 to 2.5	Pass			
707.5				15	0	20	3.27	2.060	0.0029	-2.5 to 2.5	Pass
							3.85	1.960	0.0028	-2.5 to 2.5	Pass
							4.43	-0.086	-0.0001	-2.5 to 2.5	Pass
						-30	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
						-20	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
						-10	3.85	-2.475	-0.0035	-2.5 to 2.5	Pass
						0	3.85	-4.191	-0.0059	-2.5 to 2.5	Pass
	10	3.85	-4.263			-0.0060	-2.5 to 2.5	Pass			
	30	3.85	-6.180			-0.0087	-2.5 to 2.5	Pass			
714.5	15	0	20	3.27	10.057	0.0141	-2.5 to 2.5	Pass			
				3.85	9.127	0.0128	-2.5 to 2.5	Pass			
				4.43	6.852	0.0096	-2.5 to 2.5	Pass			
			-30	3.85	6.881	0.0096	-2.5 to 2.5	Pass			
			-20	3.85	6.151	0.0086	-2.5 to 2.5	Pass			
			-10	3.85	4.320	0.0060	-2.5 to 2.5	Pass			
			0	3.85	4.492	0.0063	-2.5 to 2.5	Pass			
			10	3.85	3.362	0.0047	-2.5 to 2.5	Pass			
			30	3.85	3.476	0.0049	-2.5 to 2.5	Pass			
40	3.85	2.432	0.0034	-2.5 to 2.5	Pass						

				50	3.85	1.702	0.0024	-2.5 to 2.5	Pass
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2.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	-4.978	-0.0071	-2.5 to 2.5	Pass
					3.85	-5.507	-0.0079	-2.5 to 2.5	Pass
					4.43	0.458	0.0007	-2.5 to 2.5	Pass
				-30	3.85	6.967	0.0099	-2.5 to 2.5	Pass
				-20	3.85	12.803	0.0183	-2.5 to 2.5	Pass
				-10	3.85	17.610	0.0251	-2.5 to 2.5	Pass
				0	3.85	19.741	0.0281	-2.5 to 2.5	Pass
				10	3.85	23.832	0.0340	-2.5 to 2.5	Pass
				30	3.85	24.104	0.0344	-2.5 to 2.5	Pass
				40	3.85	26.178	0.0373	-2.5 to 2.5	Pass
				50	3.85	27.752	0.0396	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-3.562	-0.0050	-2.5 to 2.5	Pass
					3.85	-7.181	-0.0101	-2.5 to 2.5	Pass
					4.43	-6.752	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-4.363	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-2.460	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-2.618	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-1.445	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-1.273	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				40	3.85	0.587	0.0008	-2.5 to 2.5	Pass
				50	3.85	-2.532	-0.0036	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-2.933	-0.0041	-2.5 to 2.5	Pass
					3.85	-9.212	-0.0129	-2.5 to 2.5	Pass
					4.43	-10.042	-0.0141	-2.5 to 2.5	Pass
				-30	3.85	-11.387	-0.0160	-2.5 to 2.5	Pass
				-20	3.85	-12.703	-0.0178	-2.5 to 2.5	Pass
				-10	3.85	-13.161	-0.0184	-2.5 to 2.5	Pass
				0	3.85	-15.020	-0.0211	-2.5 to 2.5	Pass
				10	3.85	-15.378	-0.0216	-2.5 to 2.5	Pass
				30	3.85	-16.208	-0.0227	-2.5 to 2.5	Pass
				40	3.85	-16.150	-0.0226	-2.5 to 2.5	Pass
				50	3.85	-16.851	-0.0236	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	27.509	0.0392	-2.5 to 2.5	Pass
					3.85	28.181	0.0402	-2.5 to 2.5	Pass
					4.43	29.640	0.0423	-2.5 to 2.5	Pass
				-30	3.85	28.710	0.0409	-2.5 to 2.5	Pass
				-20	3.85	28.095	0.0400	-2.5 to 2.5	Pass
				-10	3.85	27.781	0.0396	-2.5 to 2.5	Pass
				0	3.85	27.237	0.0388	-2.5 to 2.5	Pass
				10	3.85	28.553	0.0407	-2.5 to 2.5	Pass
				30	3.85	28.367	0.0404	-2.5 to 2.5	Pass
				40	3.85	27.795	0.0396	-2.5 to 2.5	Pass
				50	3.85	28.424	0.0405	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-1.187	-0.0017	-2.5 to 2.5	Pass
					3.85	-1.044	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.717	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-3.819	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-4.835	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-5.422	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-4.878	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-4.878	-0.0069	-2.5 to 2.5	Pass

				10	3.85	-6.552	-0.0093	-2.5 to 2.5	Pass
				30	3.85	-5.765	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-5.965	-0.0084	-2.5 to 2.5	Pass
				50	3.85	-7.410	-0.0105	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-17.109	-0.0240	-2.5 to 2.5	Pass
					3.85	-17.009	-0.0238	-2.5 to 2.5	Pass
					4.43	-18.983	-0.0266	-2.5 to 2.5	Pass
				-30	3.85	-20.156	-0.0282	-2.5 to 2.5	Pass
				-20	3.85	-21.858	-0.0306	-2.5 to 2.5	Pass
				-10	3.85	-22.287	-0.0312	-2.5 to 2.5	Pass
				0	3.85	-23.003	-0.0322	-2.5 to 2.5	Pass
				10	3.85	-23.847	-0.0334	-2.5 to 2.5	Pass
				30	3.85	-24.676	-0.0346	-2.5 to 2.5	Pass
				40	3.85	-25.334	-0.0355	-2.5 to 2.5	Pass
				50	3.85	-25.434	-0.0356	-2.5 to 2.5	Pass

2.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	1.473	0.0021	-2.5 to 2.5	Pass
					3.85	4.950	0.0070	-2.5 to 2.5	Pass
					4.43	13.132	0.0187	-2.5 to 2.5	Pass
				-30	3.85	19.040	0.0270	-2.5 to 2.5	Pass
				-20	3.85	23.518	0.0334	-2.5 to 2.5	Pass
				-10	3.85	26.464	0.0376	-2.5 to 2.5	Pass
				0	3.85	28.539	0.0405	-2.5 to 2.5	Pass
				10	3.85	29.840	0.0424	-2.5 to 2.5	Pass
				30	3.85	31.056	0.0441	-2.5 to 2.5	Pass
				40	3.85	32.229	0.0458	-2.5 to 2.5	Pass
				50	3.85	32.744	0.0465	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-2.890	-0.0041	-2.5 to 2.5	Pass
					3.85	-4.320	-0.0061	-2.5 to 2.5	Pass
					4.43	-1.760	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.688	0.0024	-2.5 to 2.5	Pass
				-10	3.85	2.618	0.0037	-2.5 to 2.5	Pass
				0	3.85	3.576	0.0051	-2.5 to 2.5	Pass
				10	3.85	4.249	0.0060	-2.5 to 2.5	Pass
				30	3.85	4.578	0.0065	-2.5 to 2.5	Pass
				40	3.85	4.907	0.0069	-2.5 to 2.5	Pass
				50	3.85	5.136	0.0073	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-5.665	-0.0080	-2.5 to 2.5	Pass
					3.85	-6.838	-0.0096	-2.5 to 2.5	Pass
					4.43	-4.992	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-3.448	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-0.787	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.672	0.0009	-2.5 to 2.5	Pass
				30	3.85	1.416	0.0020	-2.5 to 2.5	Pass
				40	3.85	1.287	0.0018	-2.5 to 2.5	Pass
				50	3.85	2.146	0.0030	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	33.789	0.0480	-2.5 to 2.5	Pass
					3.85	32.601	0.0463	-2.5 to 2.5	Pass
					4.43	31.157	0.0443	-2.5 to 2.5	Pass
				-30	3.85	30.355	0.0431	-2.5 to 2.5	Pass

				-20	3.85	29.340	0.0417	-2.5 to 2.5	Pass
				-10	3.85	28.496	0.0405	-2.5 to 2.5	Pass
				0	3.85	28.453	0.0404	-2.5 to 2.5	Pass
				10	3.85	30.370	0.0431	-2.5 to 2.5	Pass
				30	3.85	29.783	0.0423	-2.5 to 2.5	Pass
				40	3.85	28.782	0.0409	-2.5 to 2.5	Pass
				50	3.85	27.909	0.0396	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	4.807	0.0068	-2.5 to 2.5	Pass
					3.85	3.490	0.0049	-2.5 to 2.5	Pass
					4.43	1.702	0.0024	-2.5 to 2.5	Pass
				-30	3.85	1.173	0.0017	-2.5 to 2.5	Pass
				-20	3.85	-1.130	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-1.616	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-2.604	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-2.646	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-3.247	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-3.605	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-3.362	-0.0048	-2.5 to 2.5	Pass
	711	50	0	20	3.27	1.144	0.0016	-2.5 to 2.5	Pass
					3.85	0.687	0.0010	-2.5 to 2.5	Pass
					4.43	0.100	0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.558	0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.186	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.315	0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
				10	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	6	0	Refer To Test Graph		Pass
16QAM	707.5	6	0	Refer To Test Graph		Pass

3.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	15	0	Refer To Test Graph		Pass
16QAM	707.5	15	0	Refer To Test Graph		Pass

3.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency	RB Allocation		Modulation Characteristics		Verdict

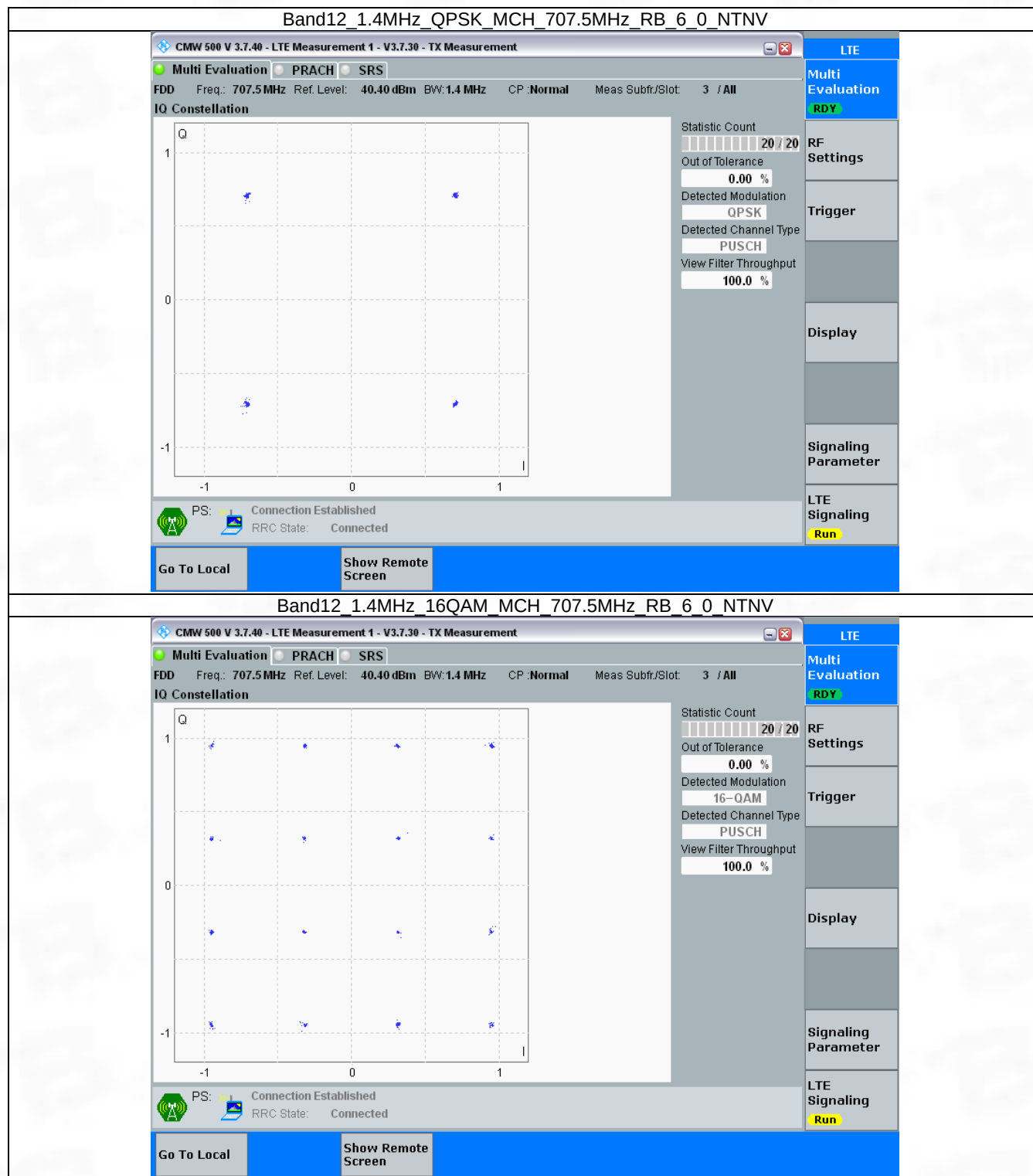
	(MHz)	Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

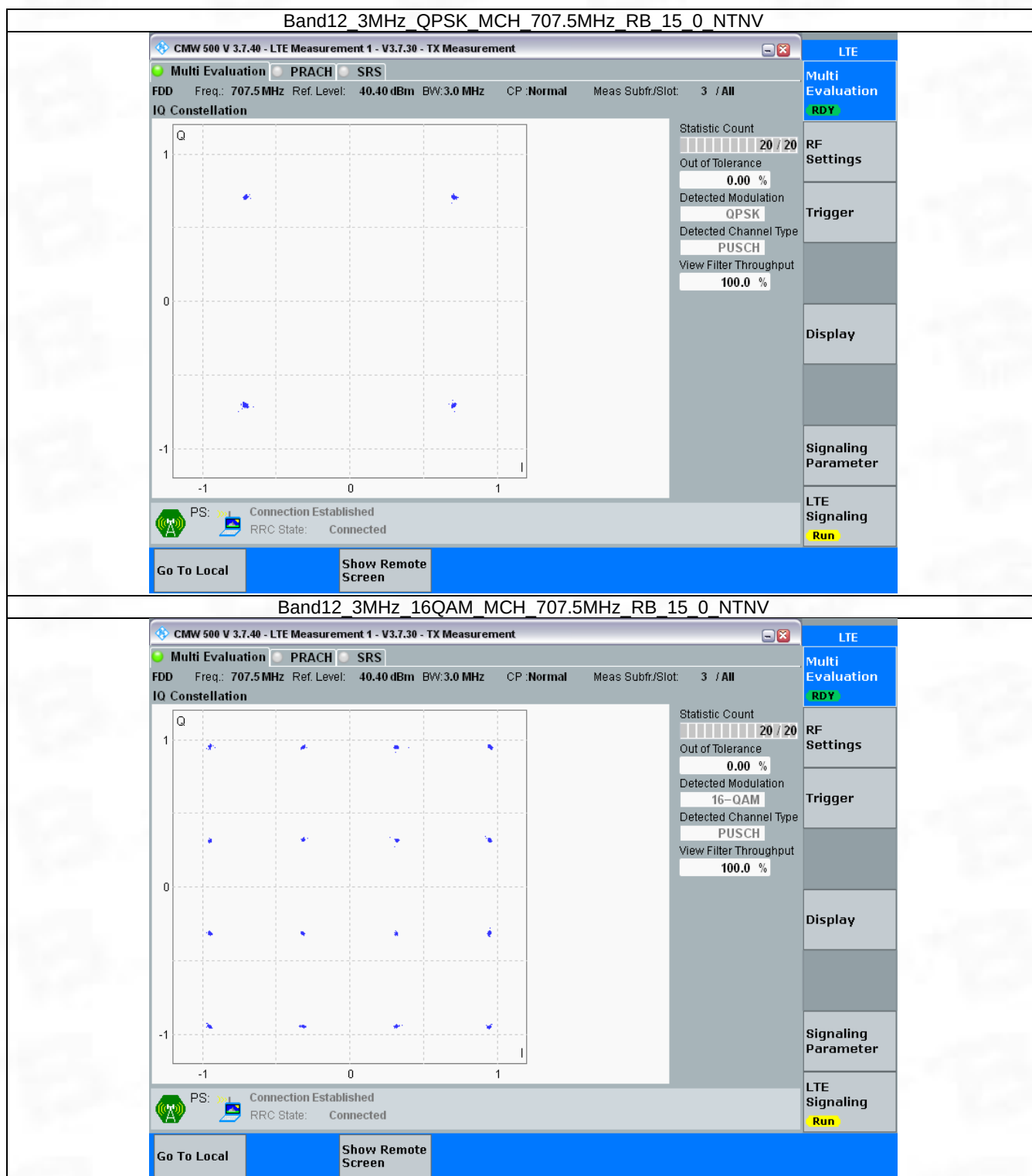
Band: 12 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

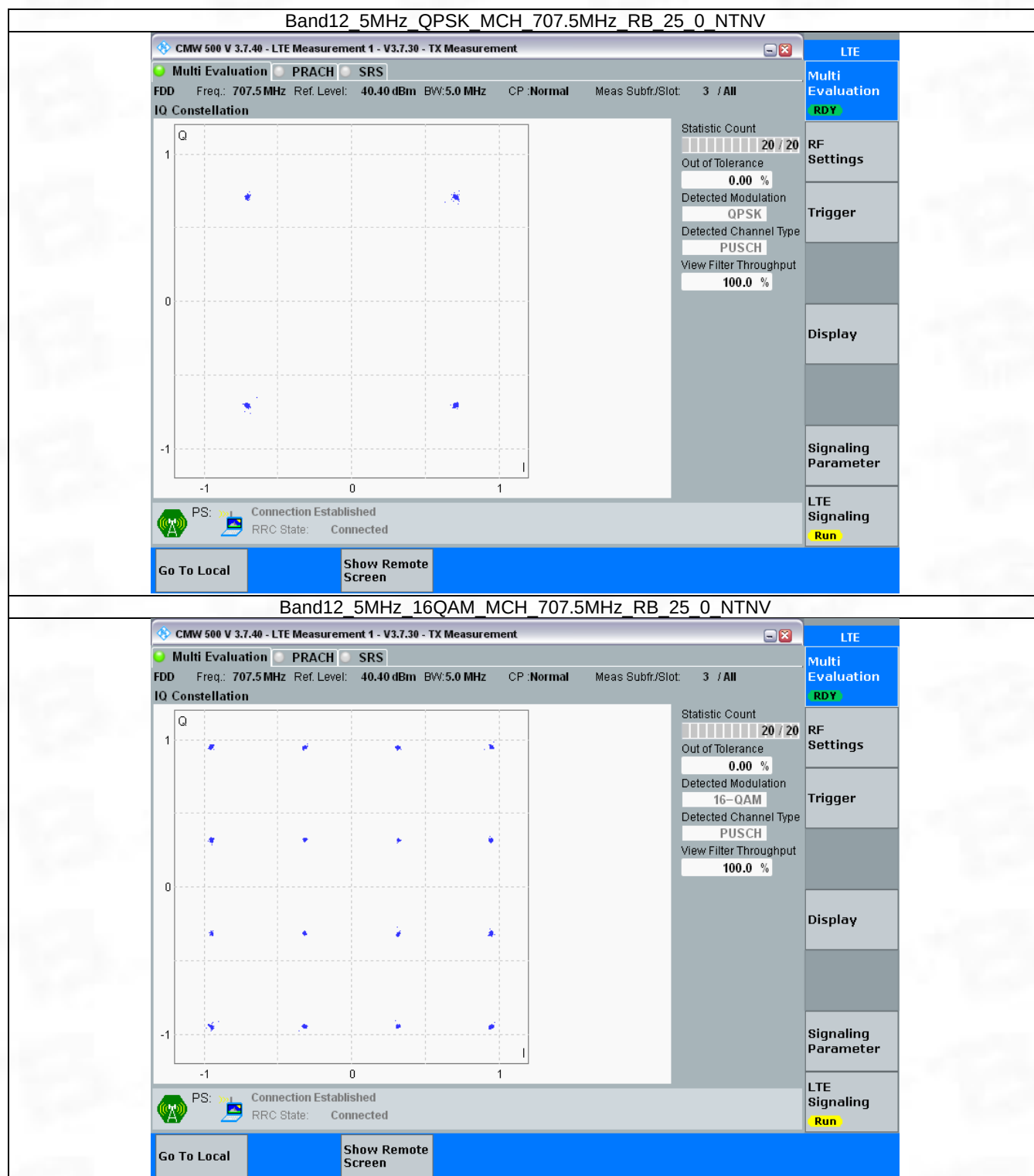
3.2.1 B12_1.4MHz



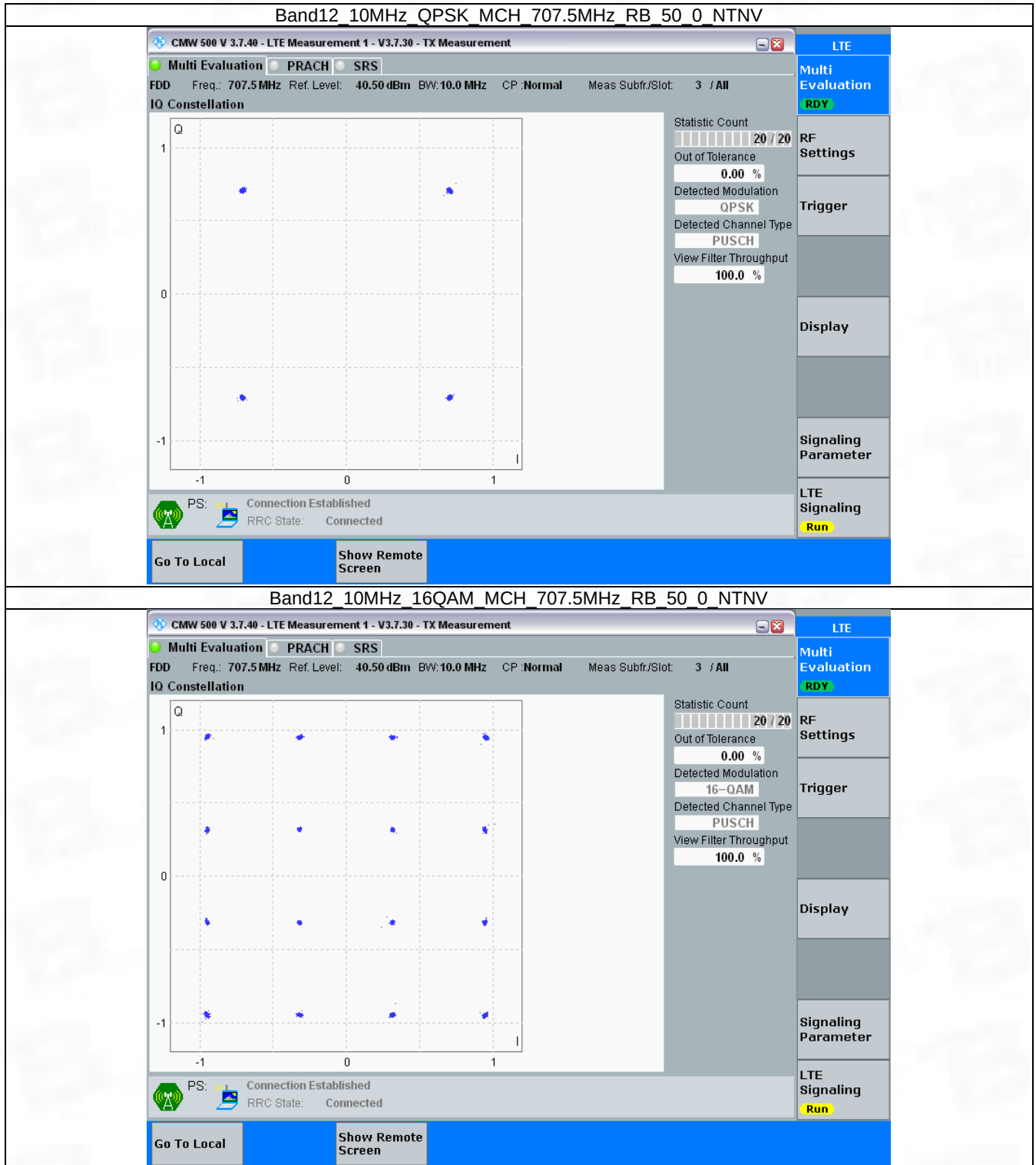
3.2.2 B12_3MHz



3.2.3 B12_5MHz



3.2.4 B12_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 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	1.118	/	Pass
		707.5	6	0	1.115	/	Pass
		715.3	6	0	1.114	/	Pass
	16QAM	699.7	6	0	1.115	/	Pass
		707.5	6	0	1.103	/	Pass
		715.3	6	0	1.118	/	Pass
3	QPSK	700.5	15	0	2.759	/	Pass
		707.5	15	0	2.764	/	Pass
		714.5	15	0	2.767	/	Pass
	16QAM	700.5	15	0	2.753	/	Pass
		707.5	15	0	2.748	/	Pass
		714.5	15	0	2.756	/	Pass
5	QPSK	701.5	25	0	4.545	/	Pass
		707.5	25	0	4.544	/	Pass
		713.5	25	0	4.572	/	Pass
	16QAM	701.5	25	0	4.556	/	Pass
		707.5	25	0	4.560	/	Pass
		713.5	25	0	4.572	/	Pass
10	QPSK	704	50	0	9.079	/	Pass
		707.5	50	0	9.012	/	Pass
		711	50	0	9.047	/	Pass
	16QAM	704	50	0	9.049	/	Pass
		707.5	50	0	9.033	/	Pass
		711	50	0	9.079	/	Pass

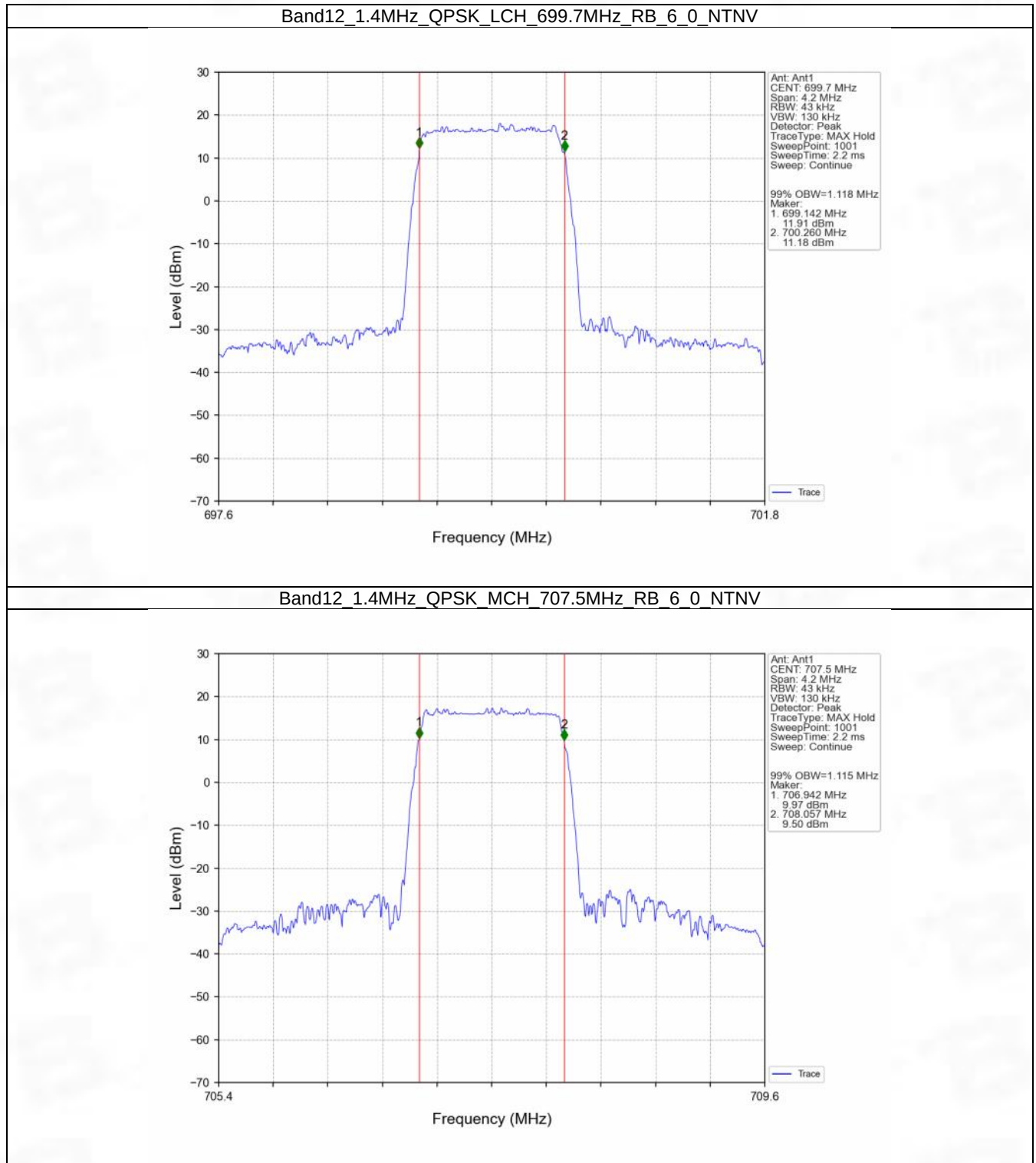
4.1.2 Band12_XDB

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	1.274	/	Pass
		707.5	6	0	1.270	/	Pass
		715.3	6	0	1.274	/	Pass
	16QAM	699.7	6	0	1.272	/	Pass
		707.5	6	0	1.266	/	Pass
		715.3	6	0	1.268	/	Pass
3	QPSK	700.5	15	0	3.095	/	Pass
		707.5	15	0	3.101	/	Pass
		714.5	15	0	3.098	/	Pass
	16QAM	700.5	15	0	3.114	/	Pass
		707.5	15	0	3.101	/	Pass
		714.5	15	0	3.098	/	Pass
5	QPSK	701.5	25	0	5.018	/	Pass
		707.5	25	0	5.088	/	Pass
		713.5	25	0	5.039	/	Pass
	16QAM	701.5	25	0	5.075	/	Pass

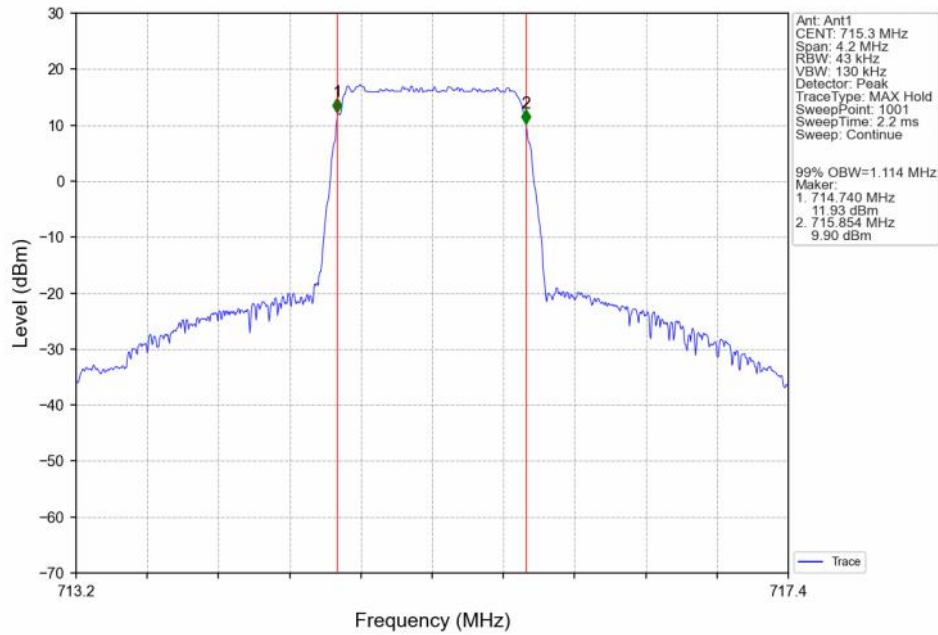
10		707.5	25	0	5.084	/	Pass
		713.5	25	0	5.082	/	Pass
	QPSK	704	50	0	10.063	/	Pass
		707.5	50	0	10.014	/	Pass
		711	50	0	10.041	/	Pass
	16QAM	704	50	0	10.100	/	Pass
		707.5	50	0	10.024	/	Pass
		711	50	0	10.049	/	Pass

4.2 Test Graph

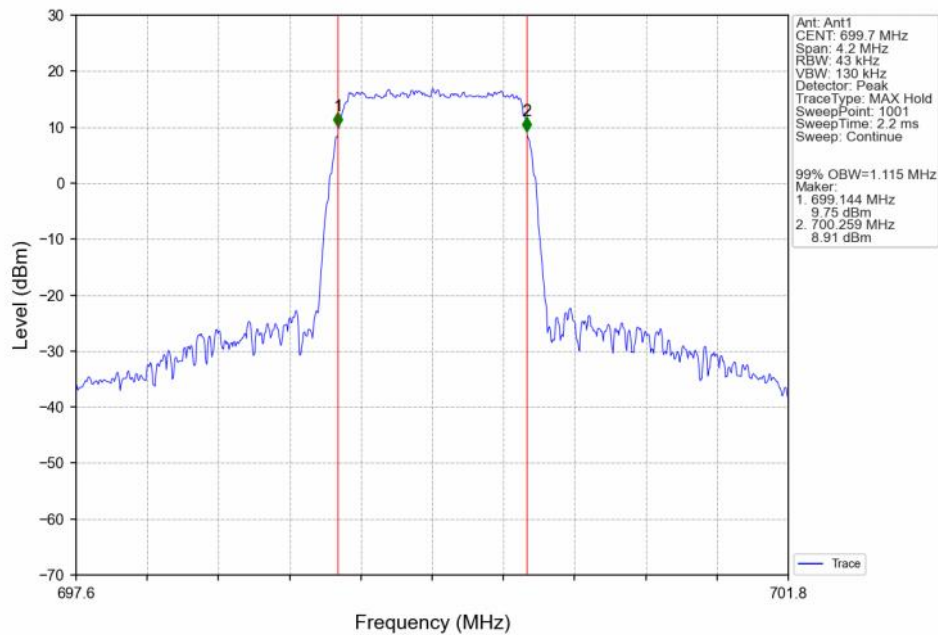
4.2.1 Band12_OBW



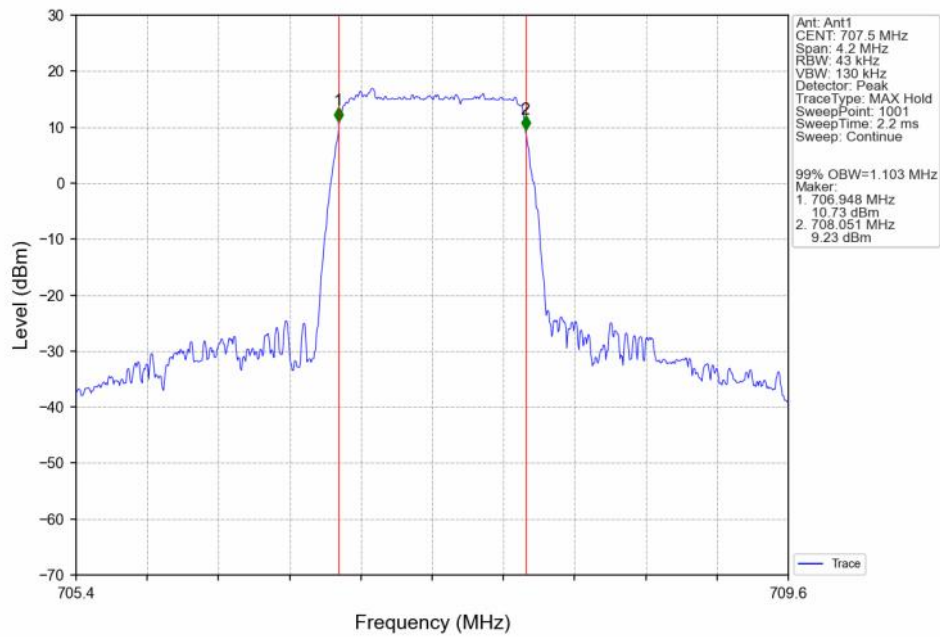
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



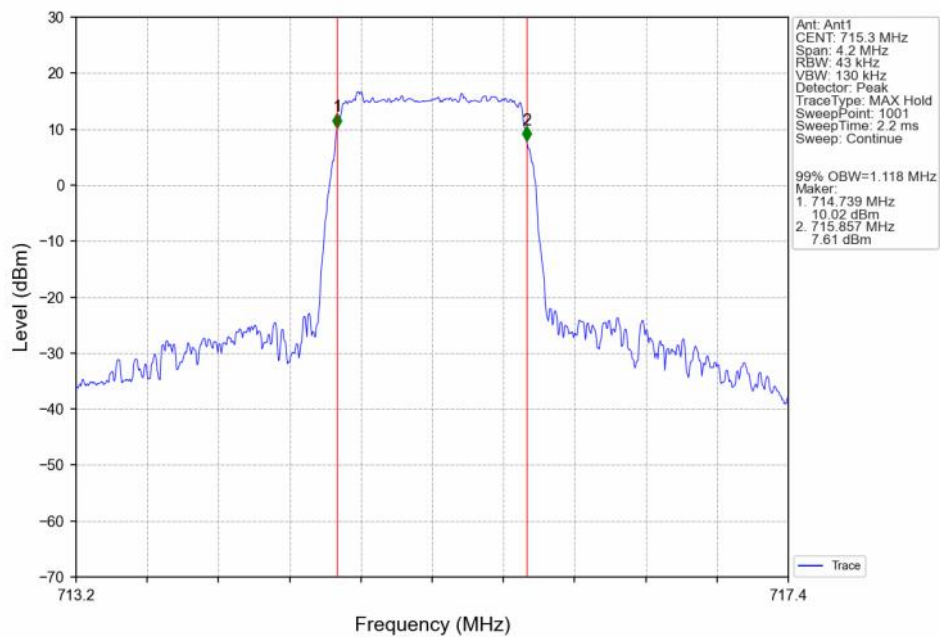
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



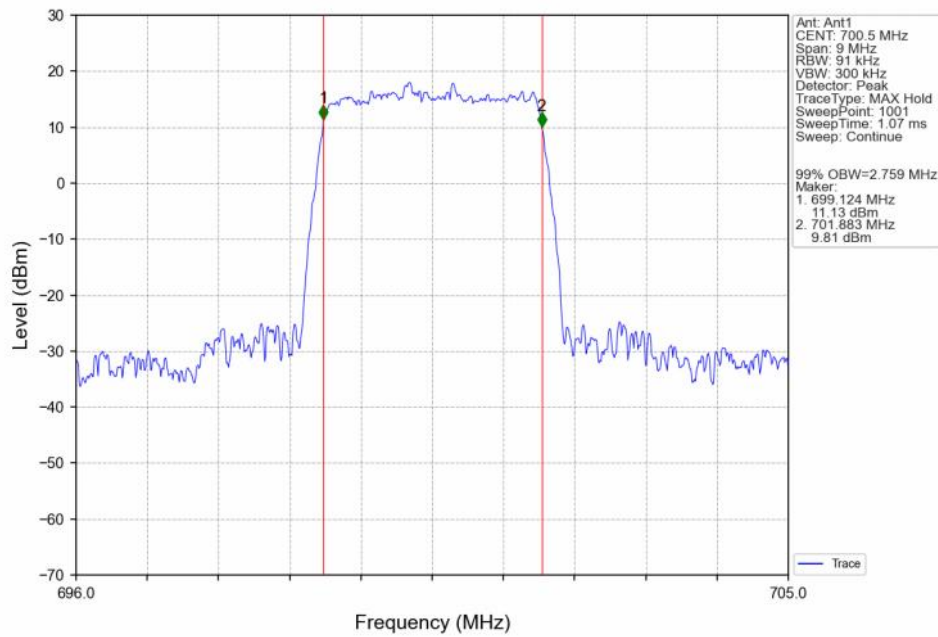
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



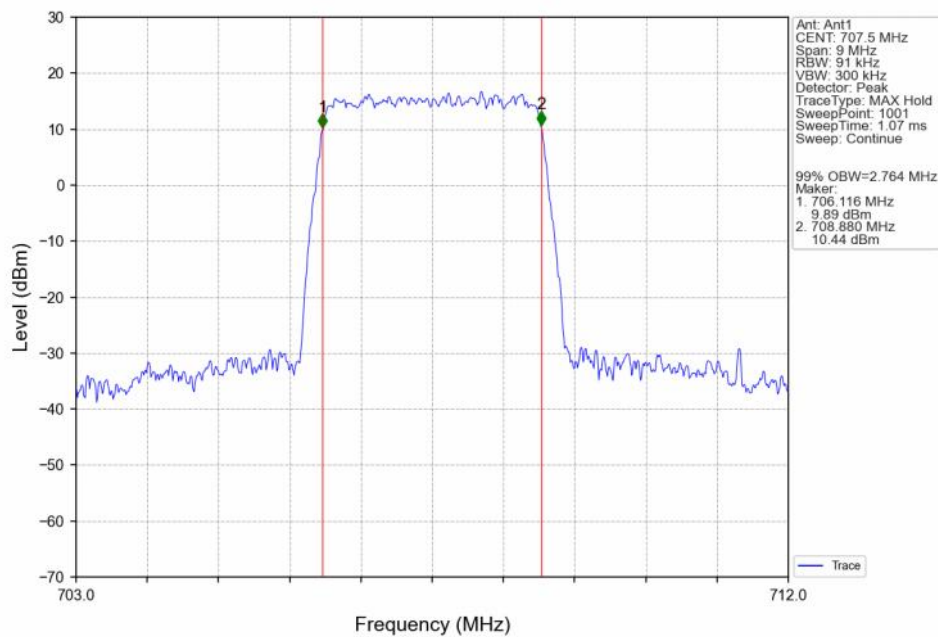
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



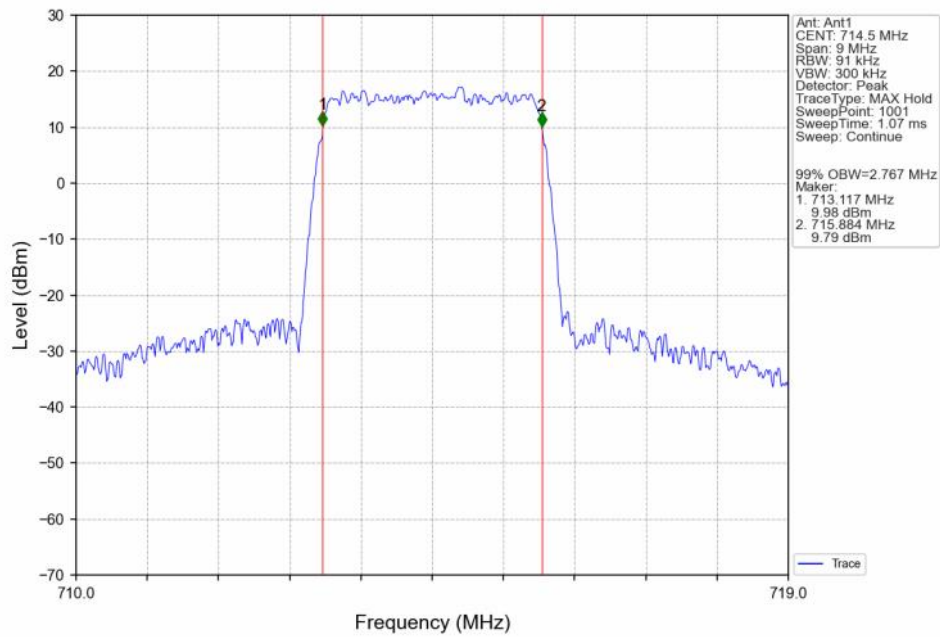
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



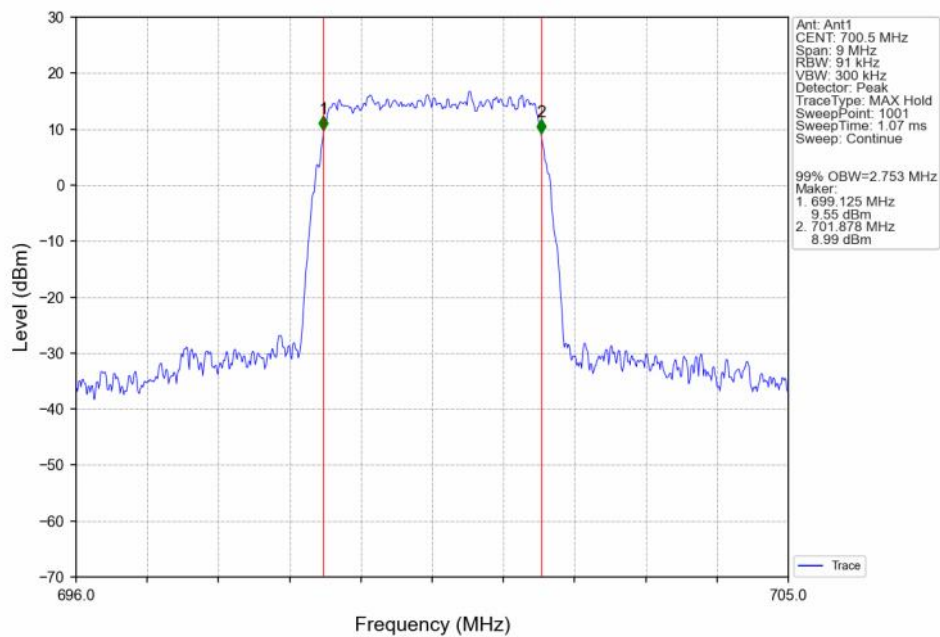
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



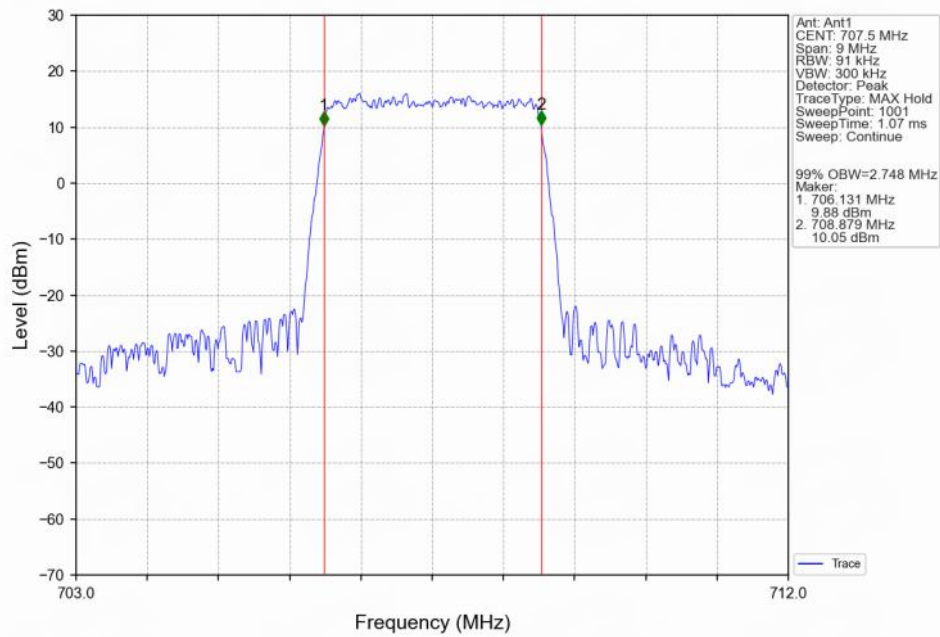
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



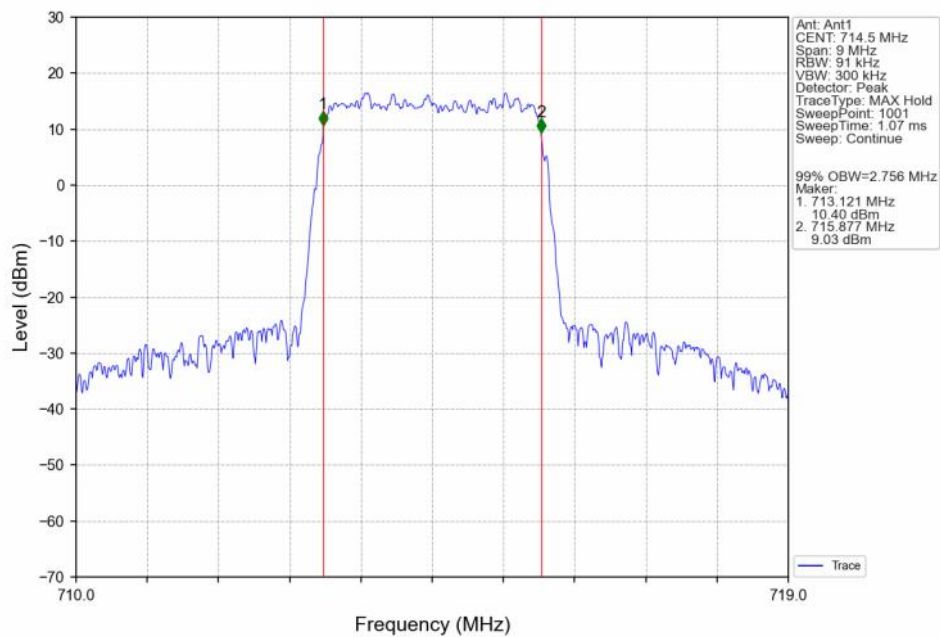
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



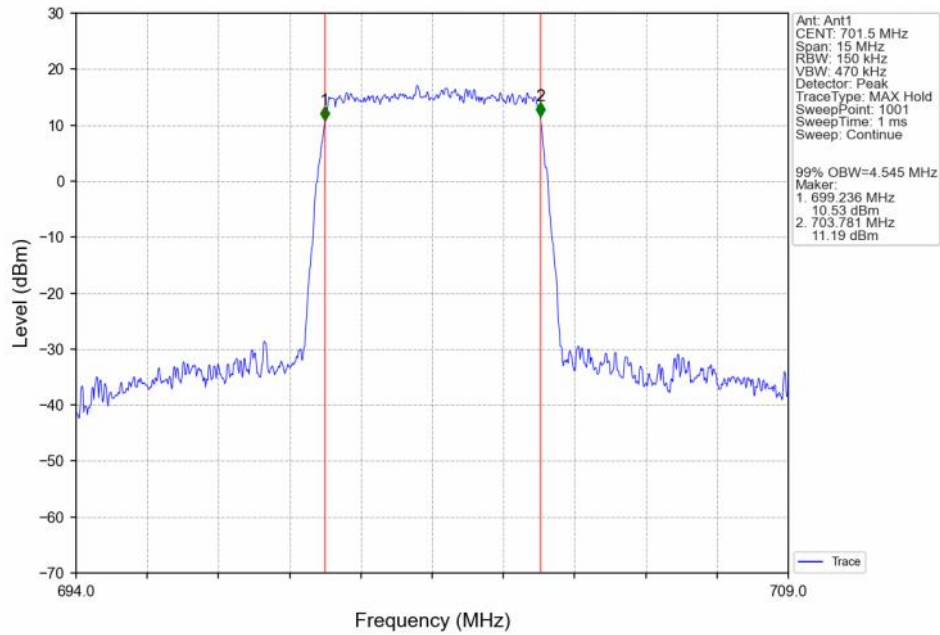
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



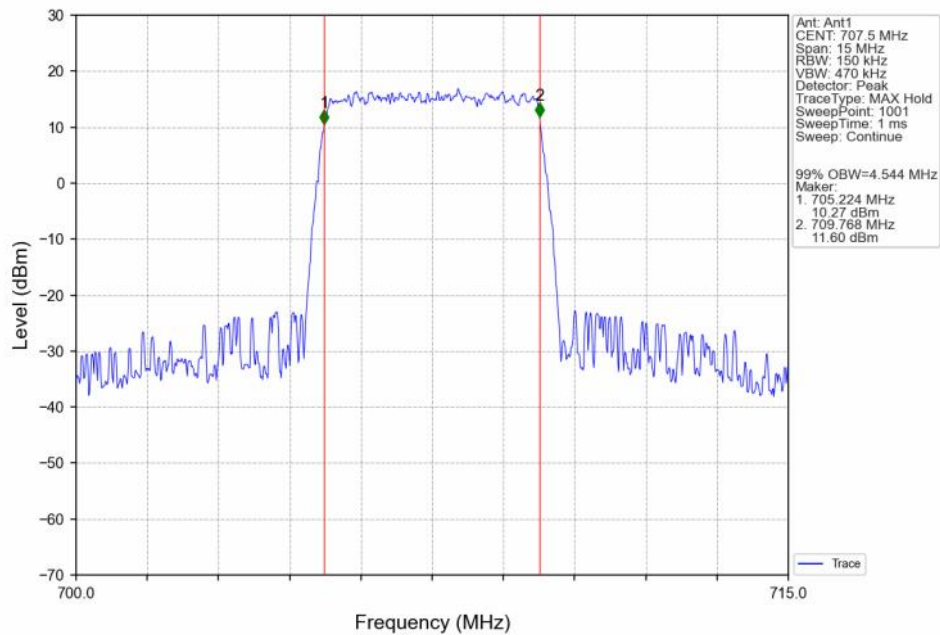
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



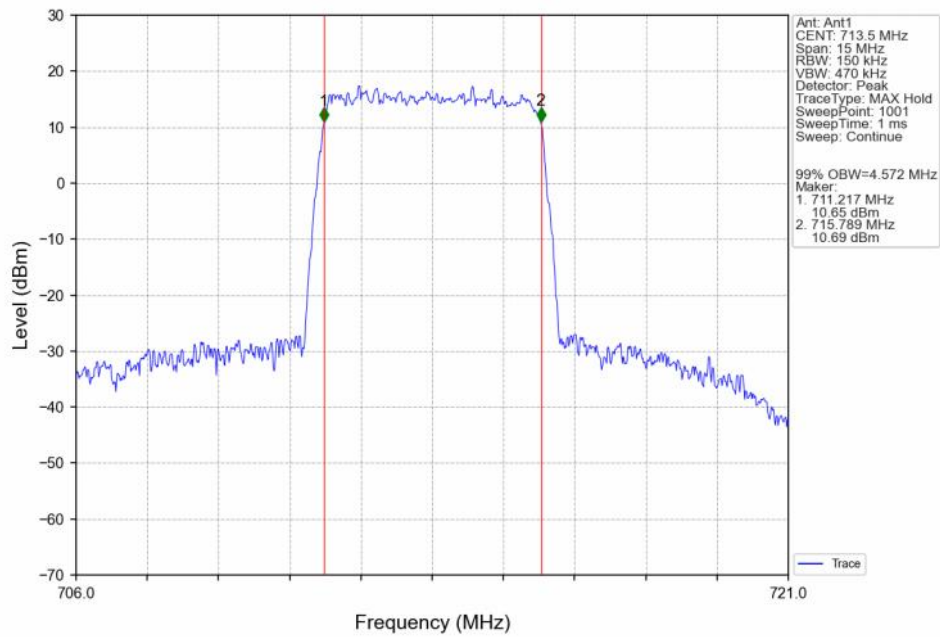
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



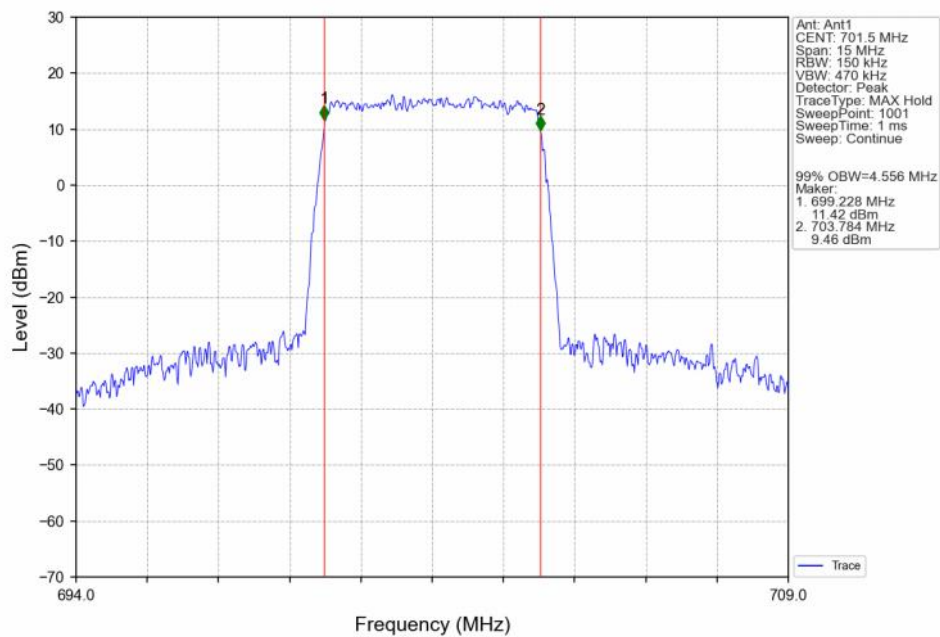
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



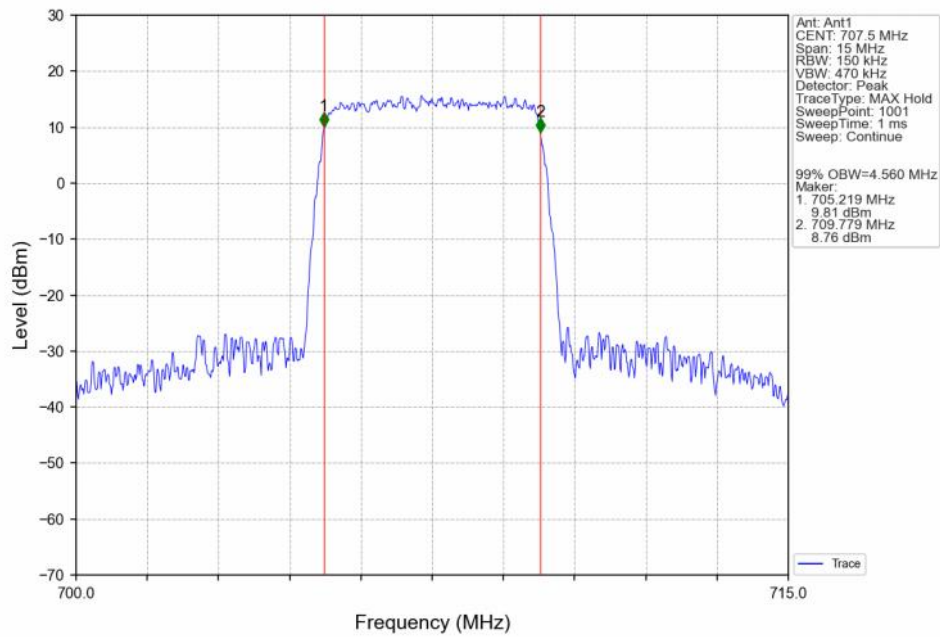
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



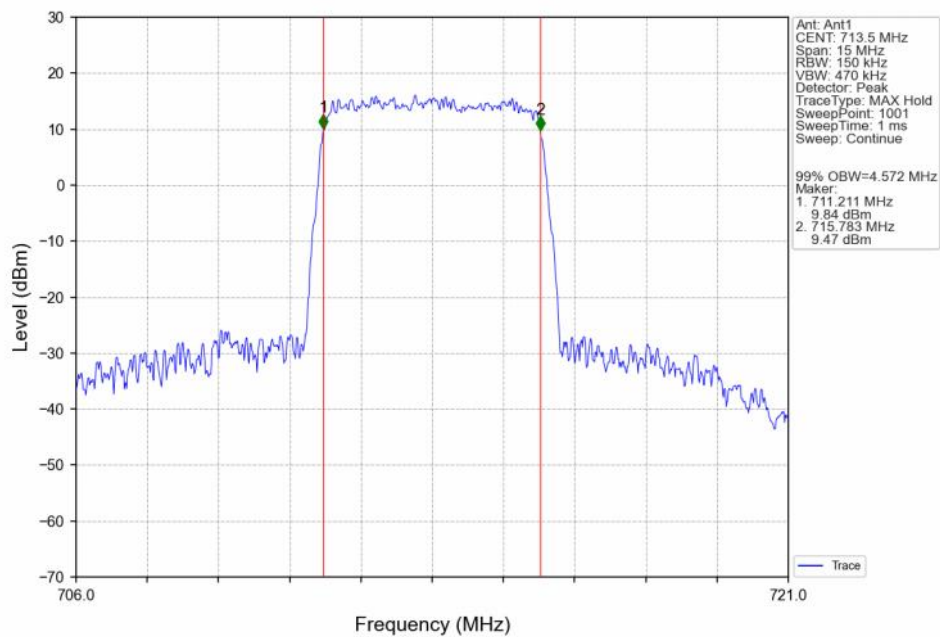
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



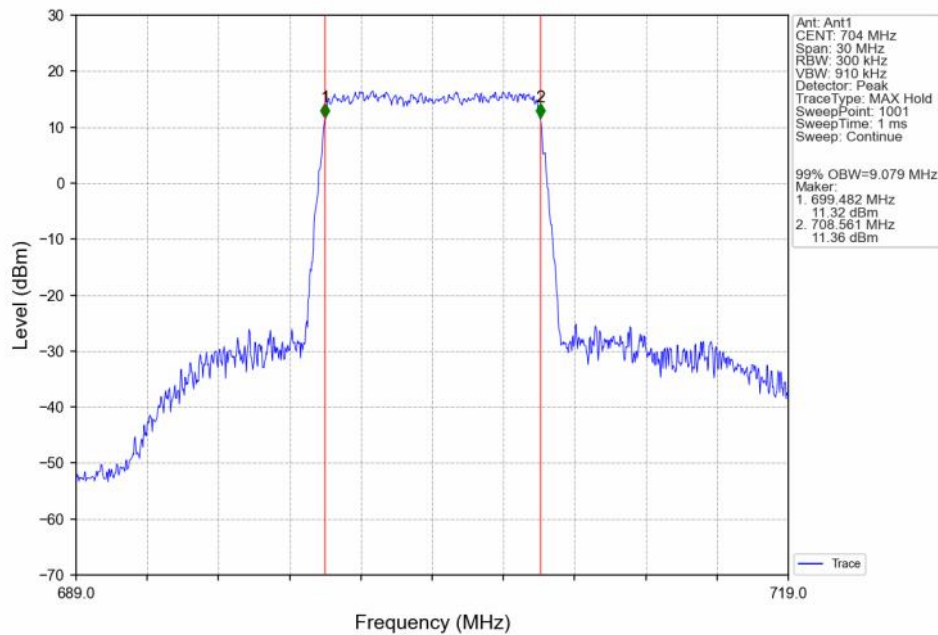
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



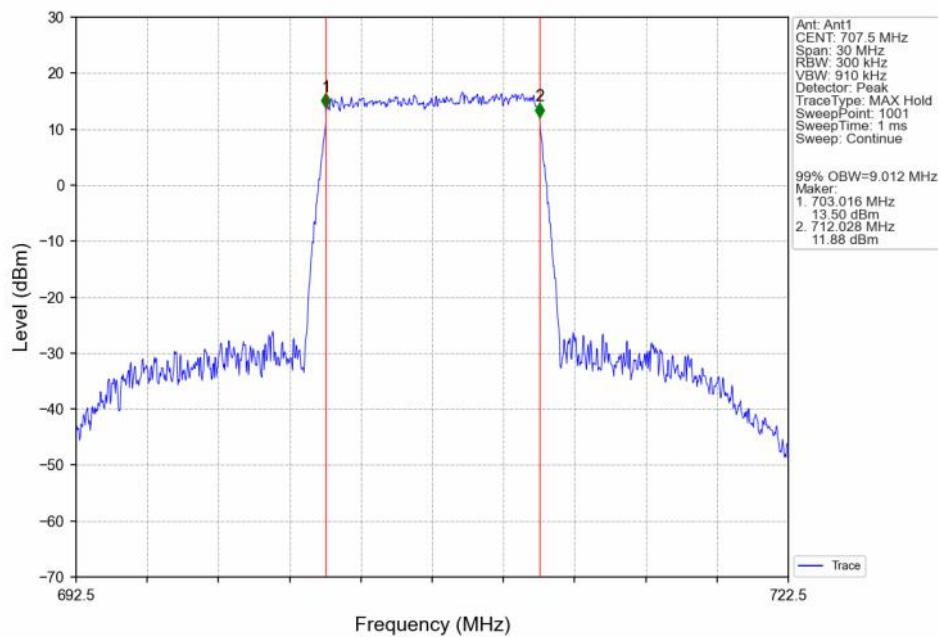
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



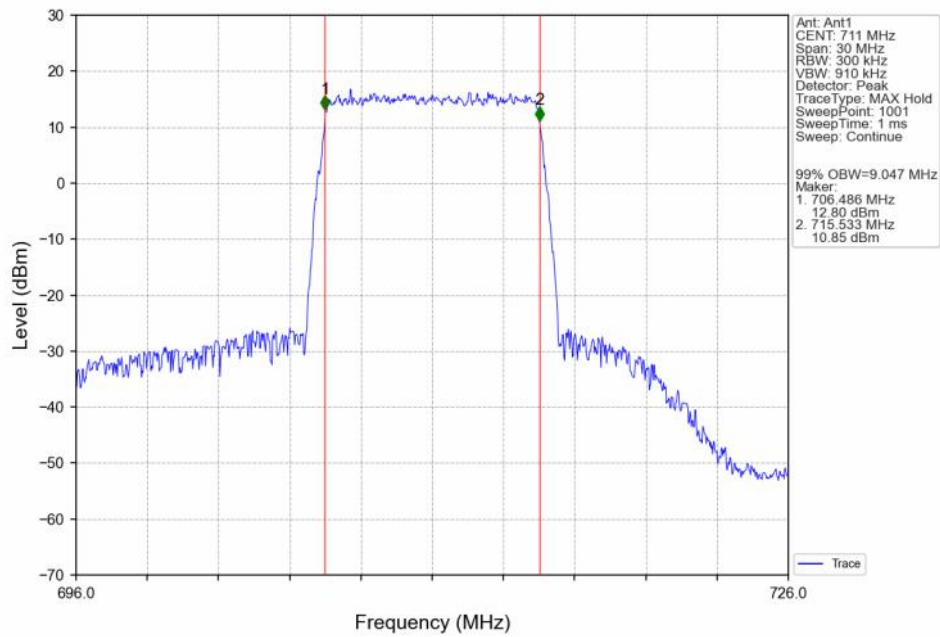
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



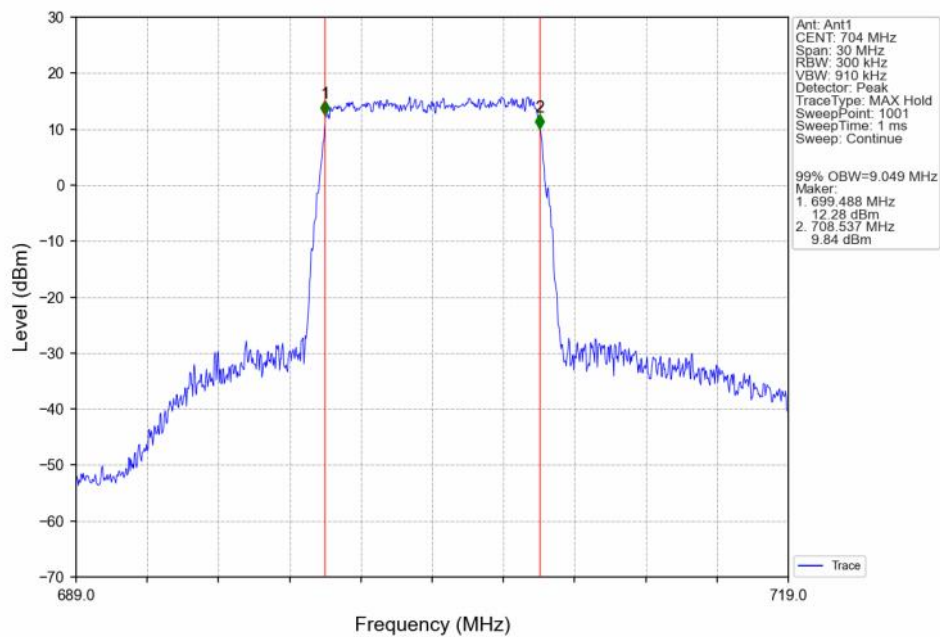
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



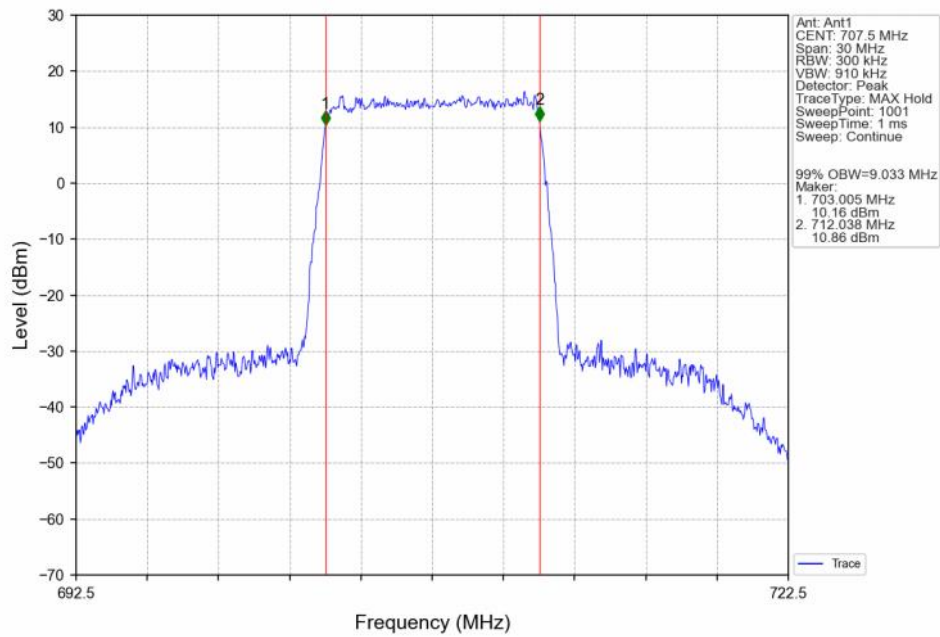
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



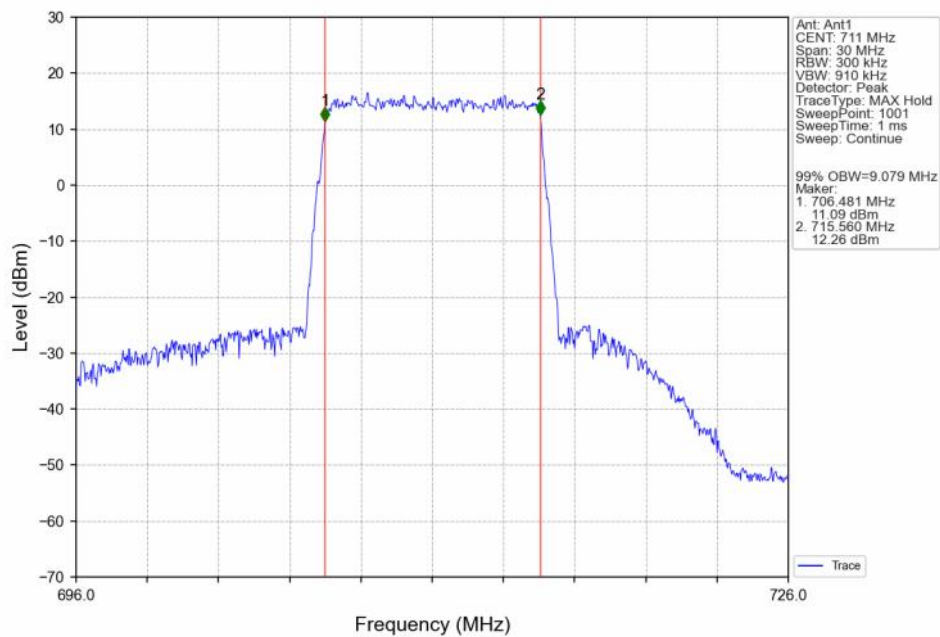
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



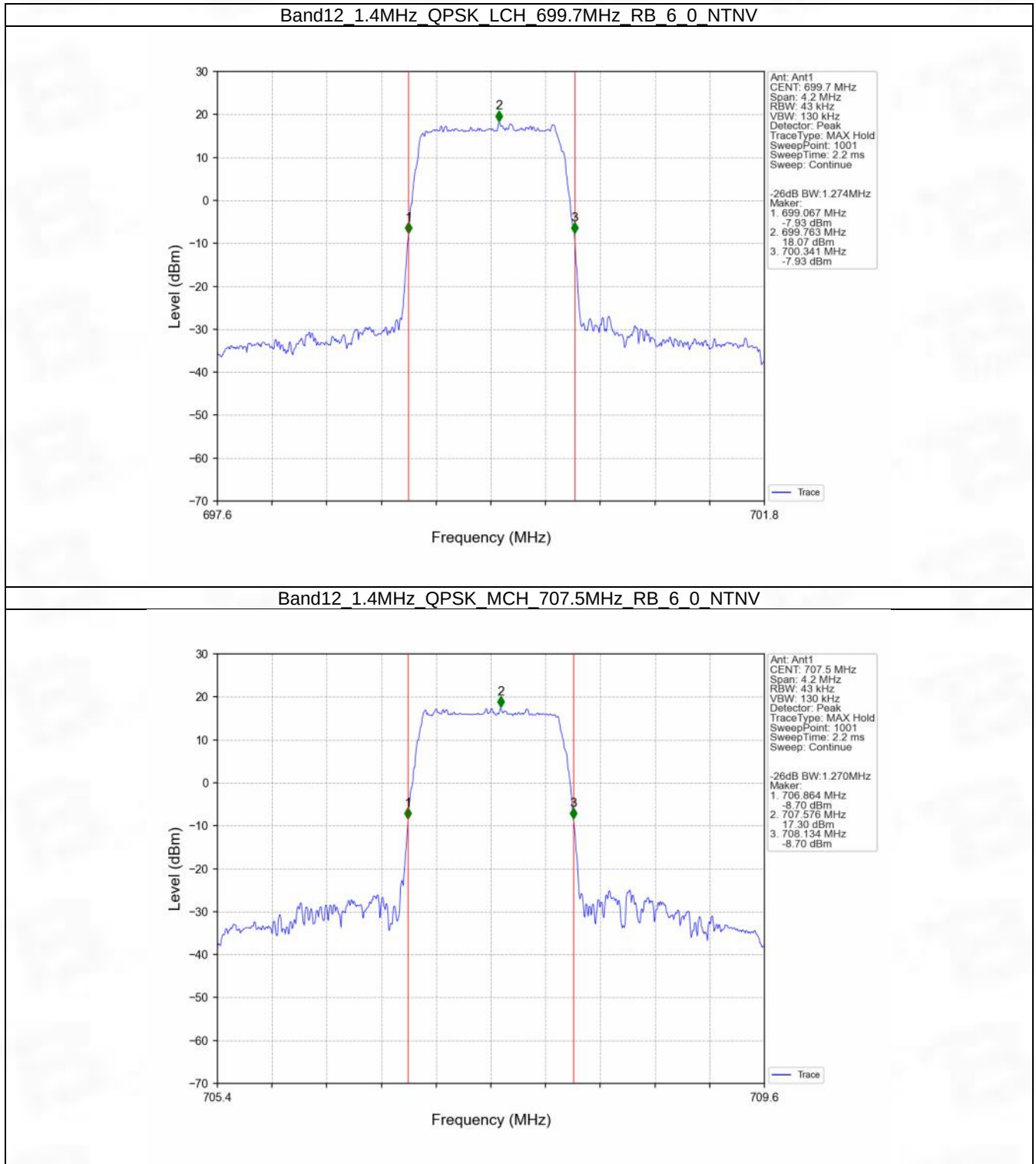
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



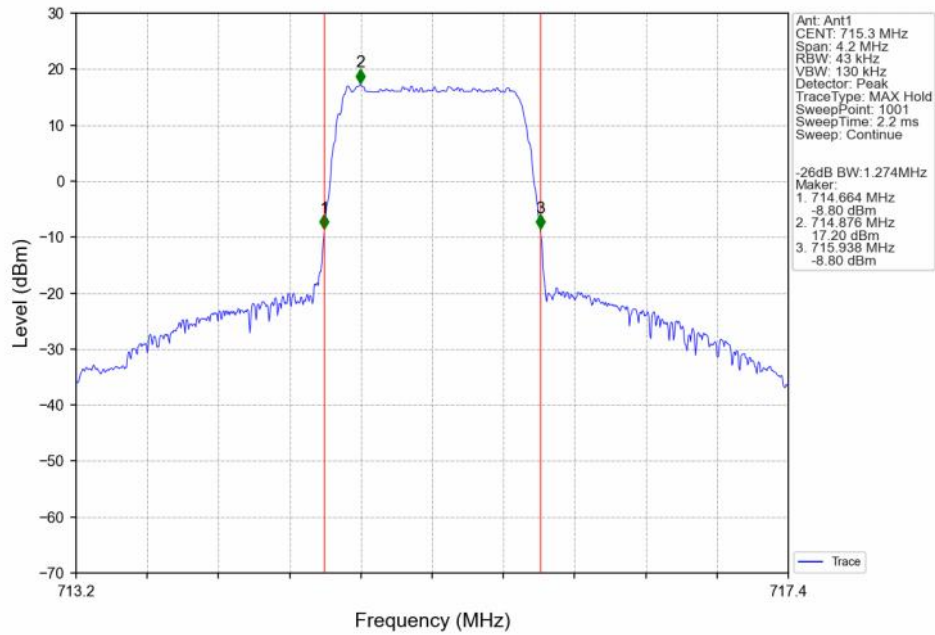
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



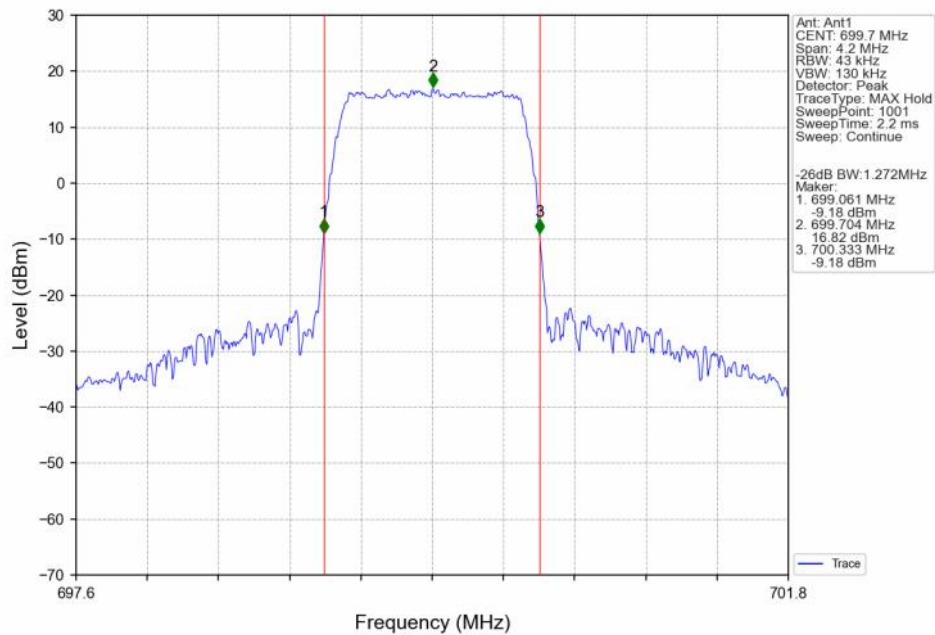
4.2.2 Band12_XDB



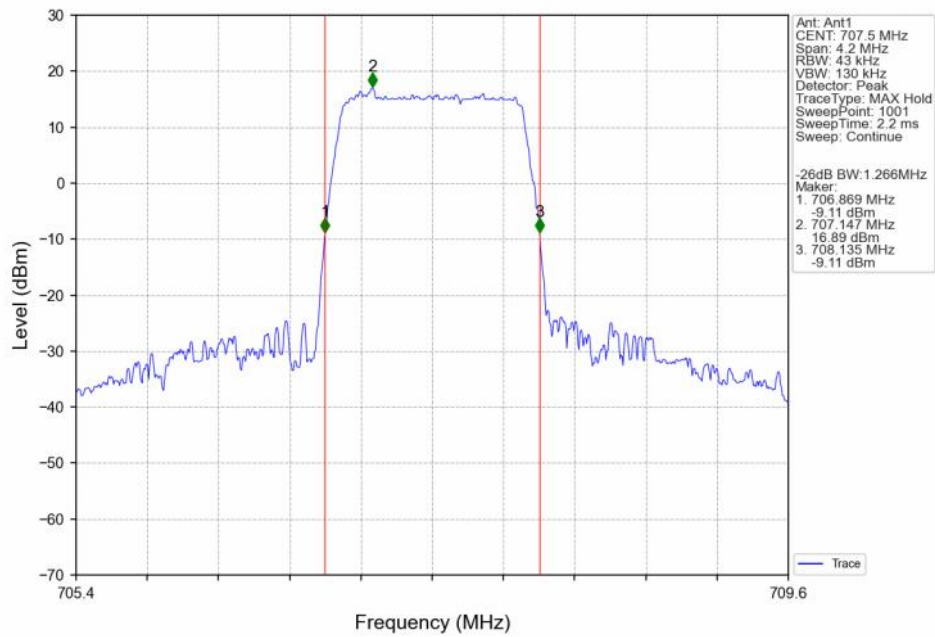
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



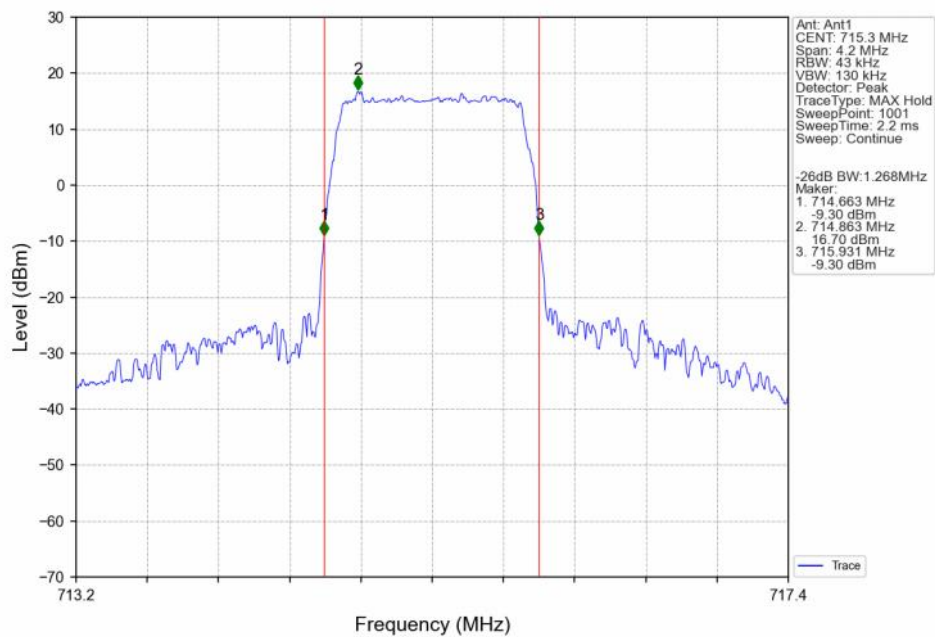
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



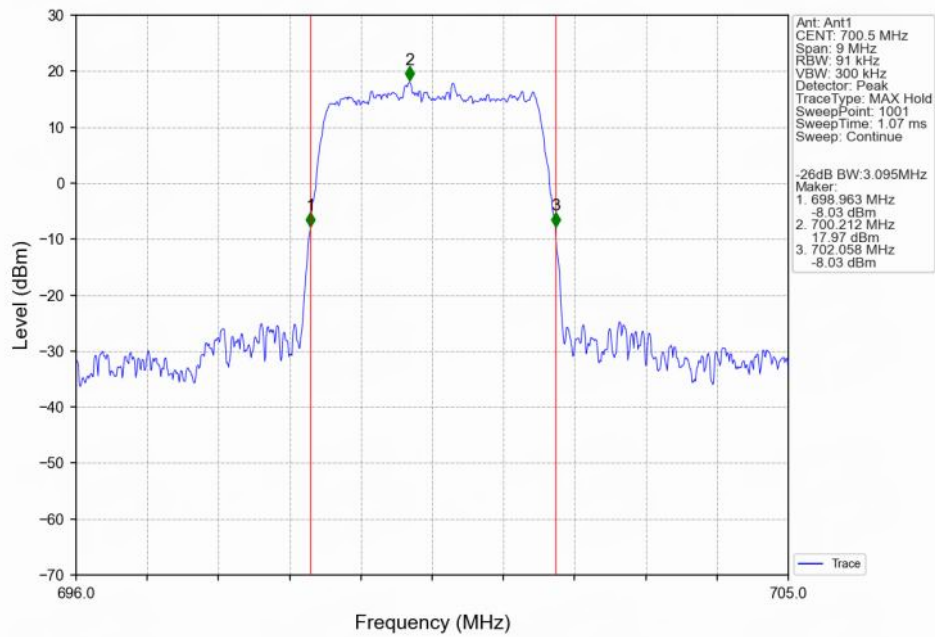
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



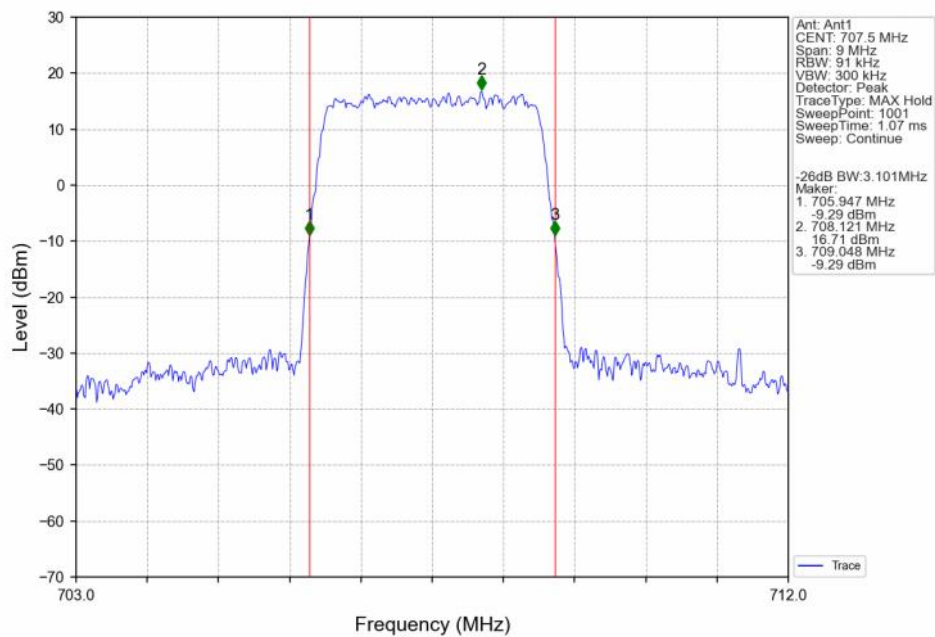
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



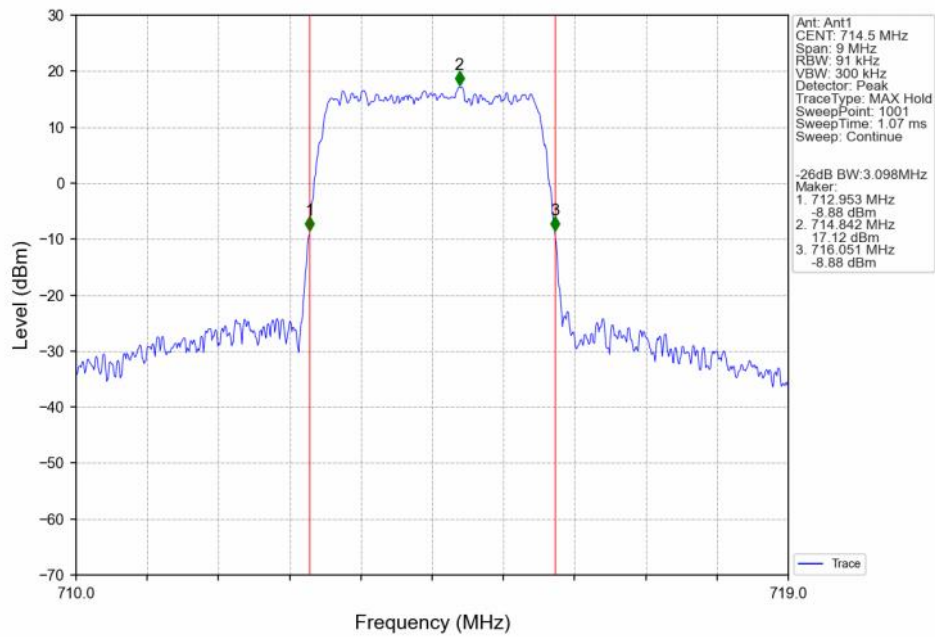
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



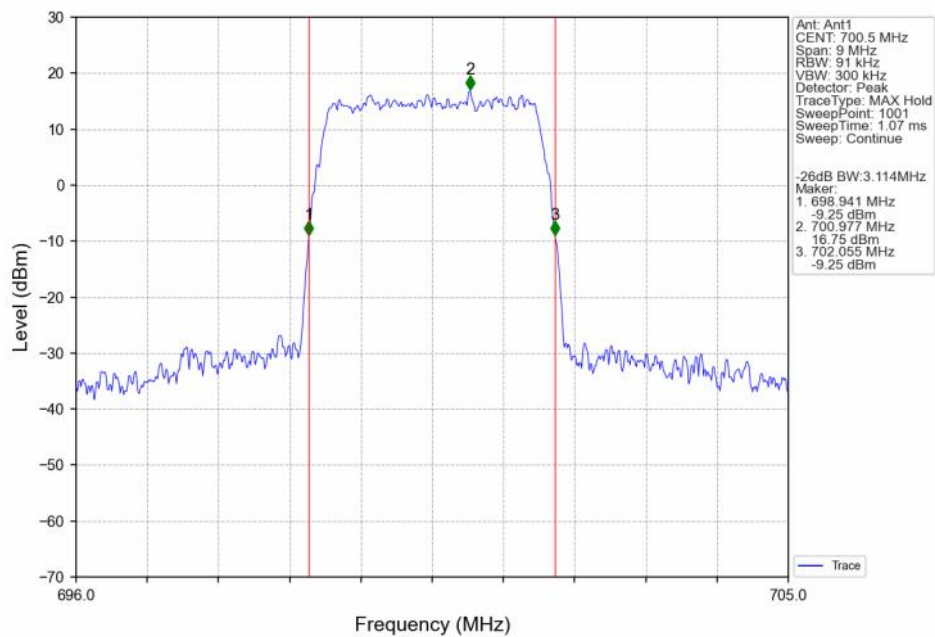
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



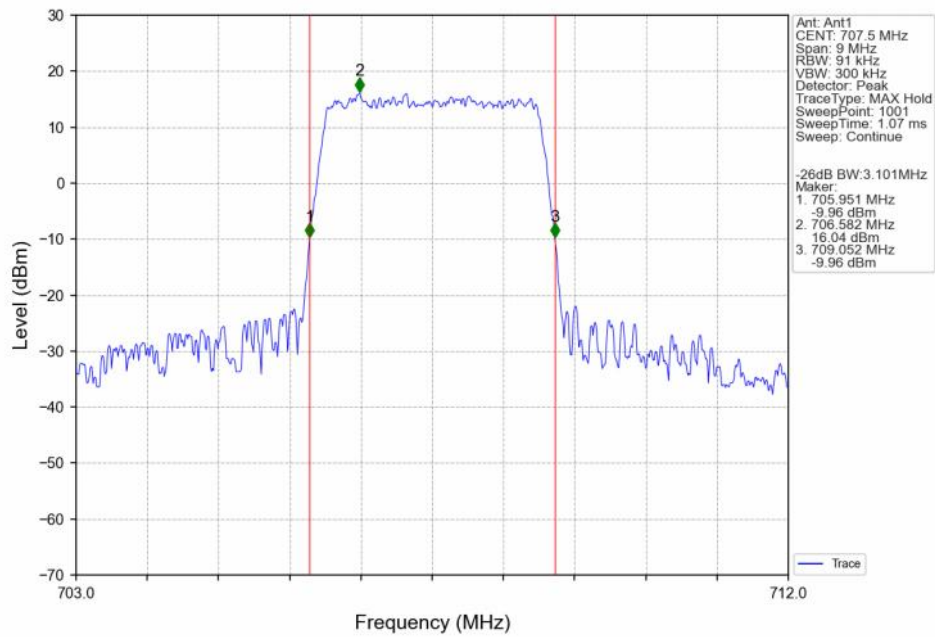
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



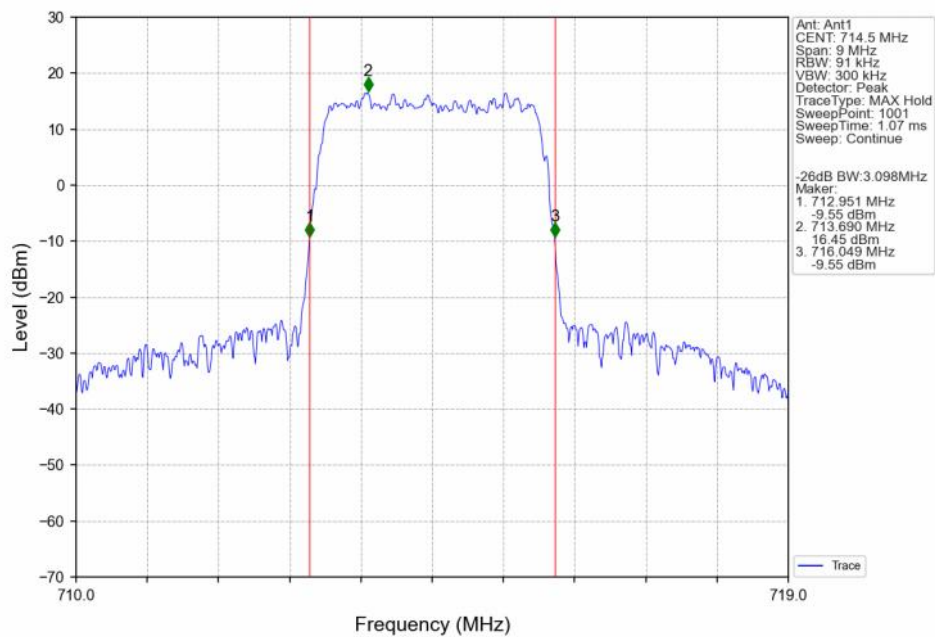
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



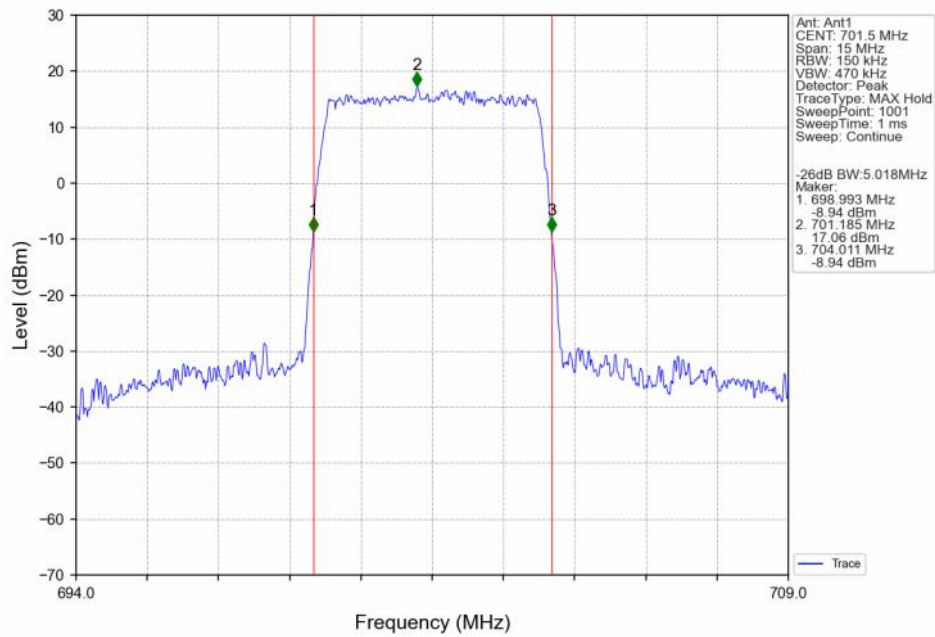
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



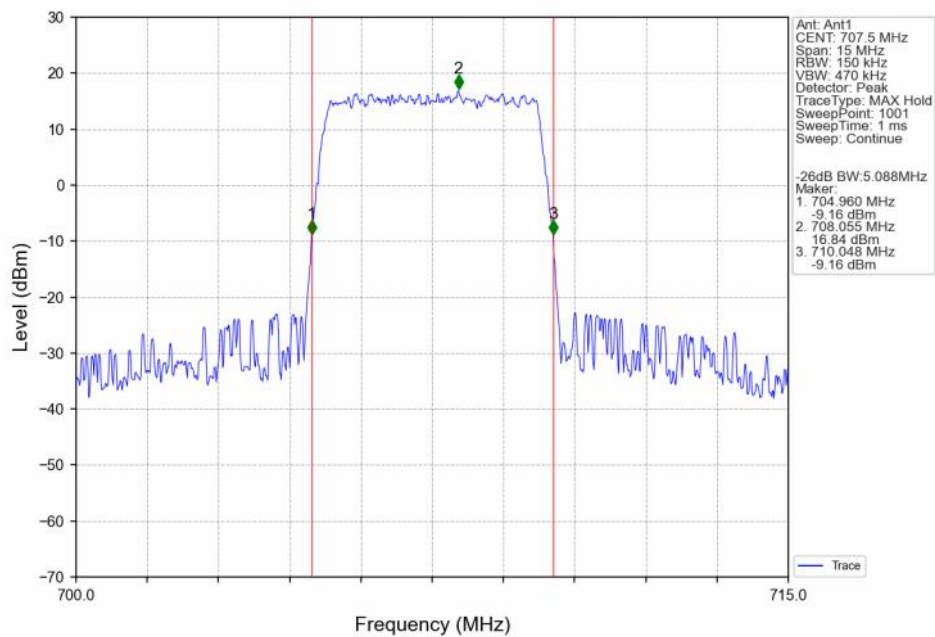
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



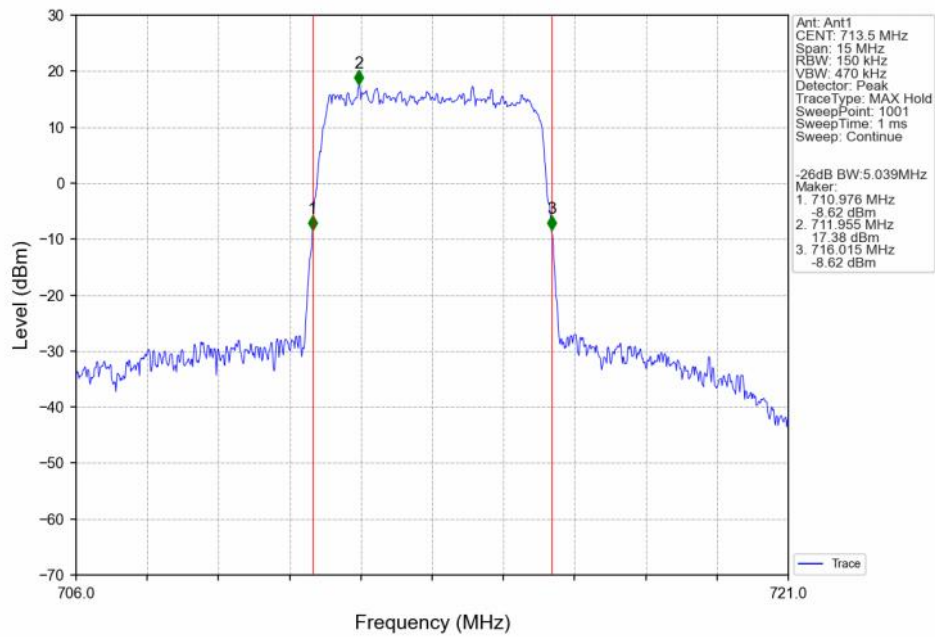
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



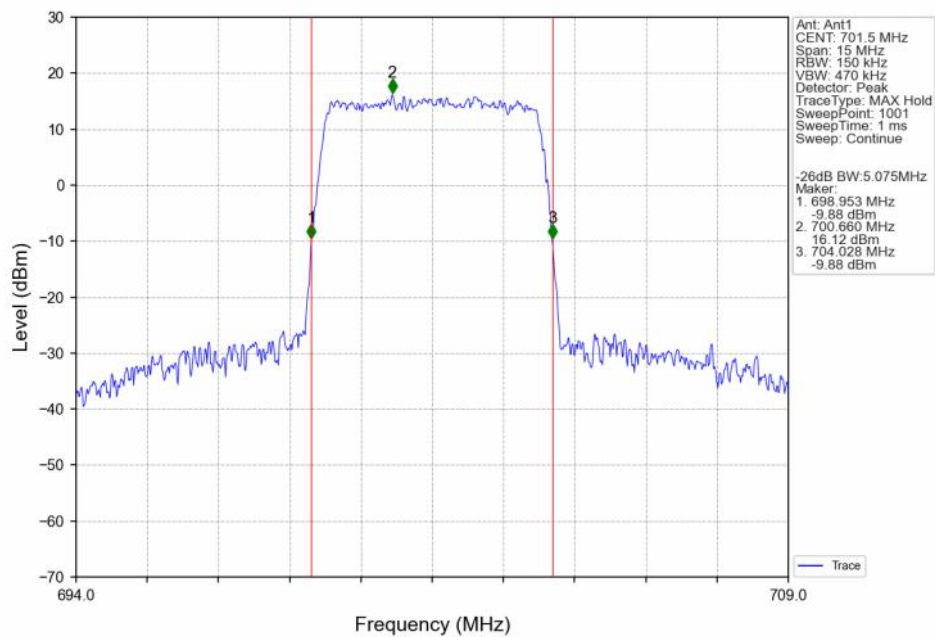
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



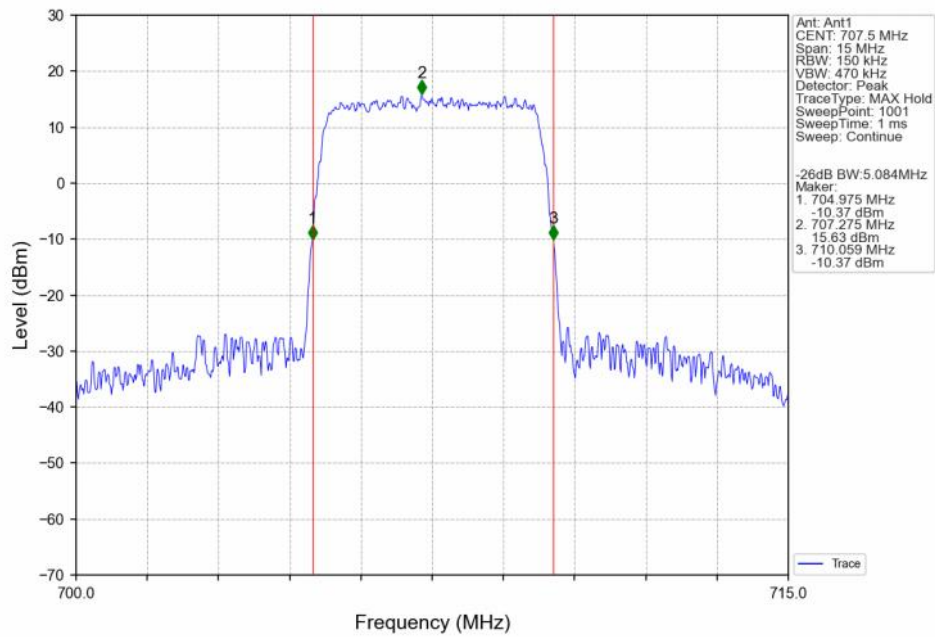
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



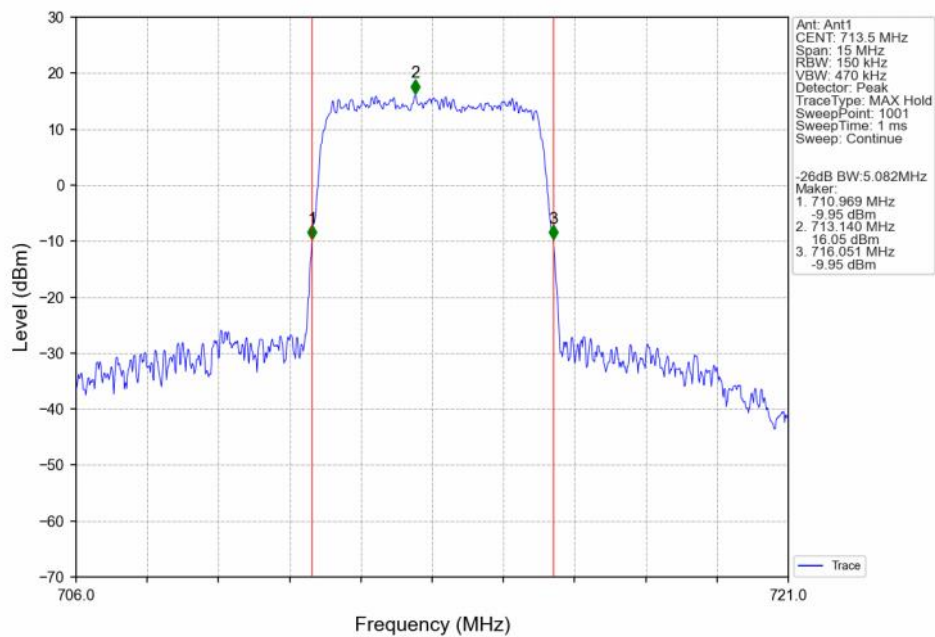
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



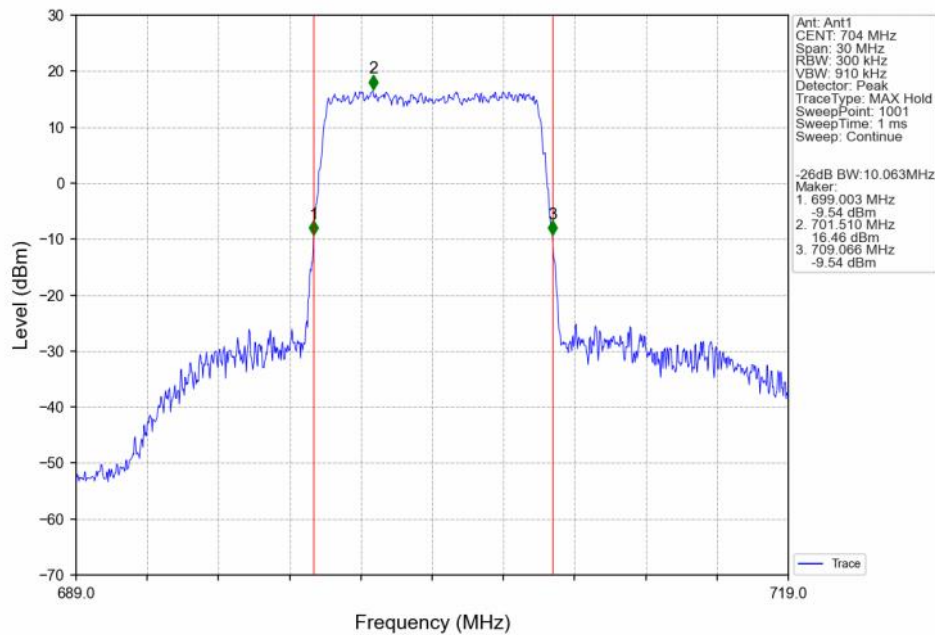
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



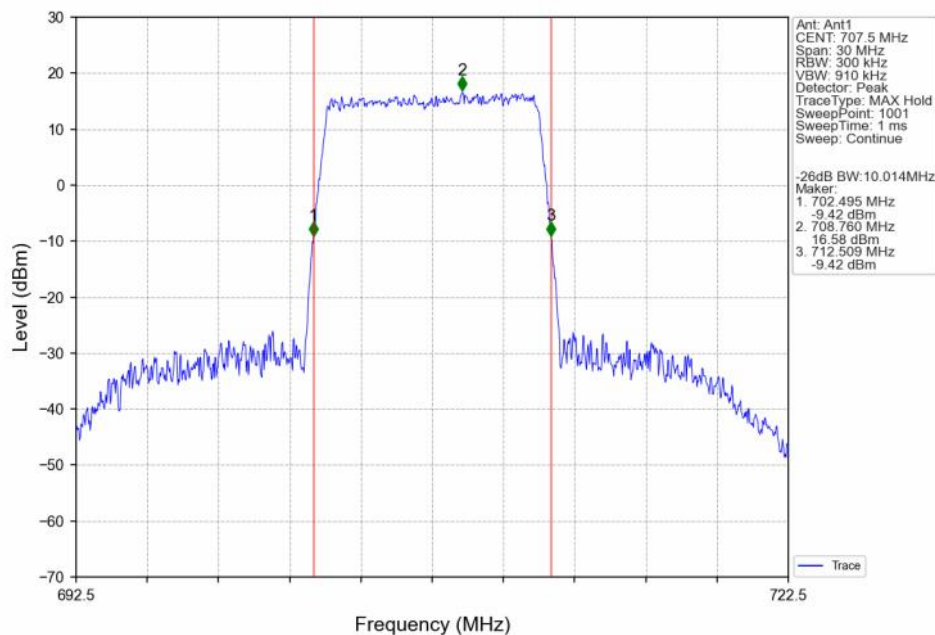
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



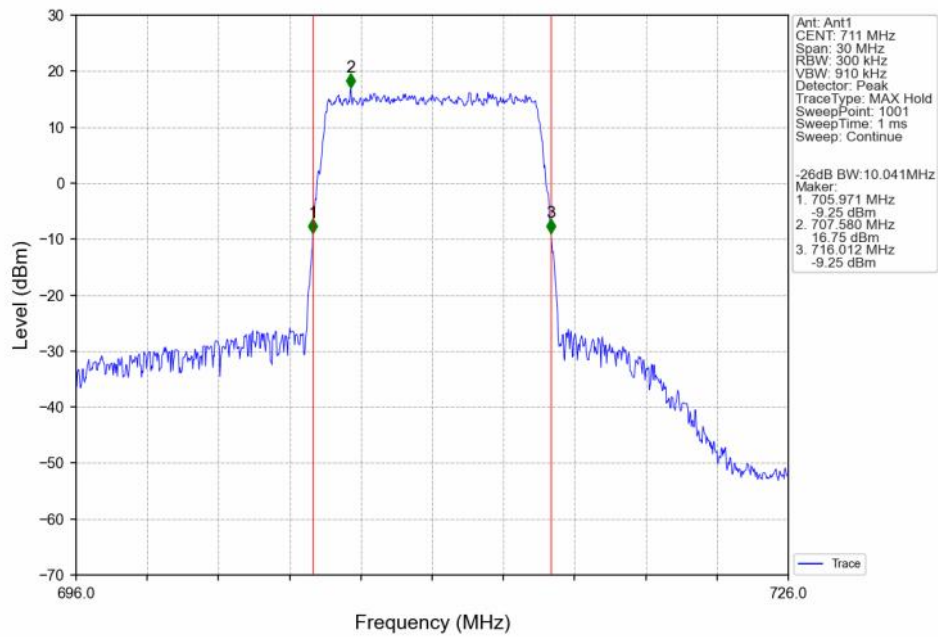
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



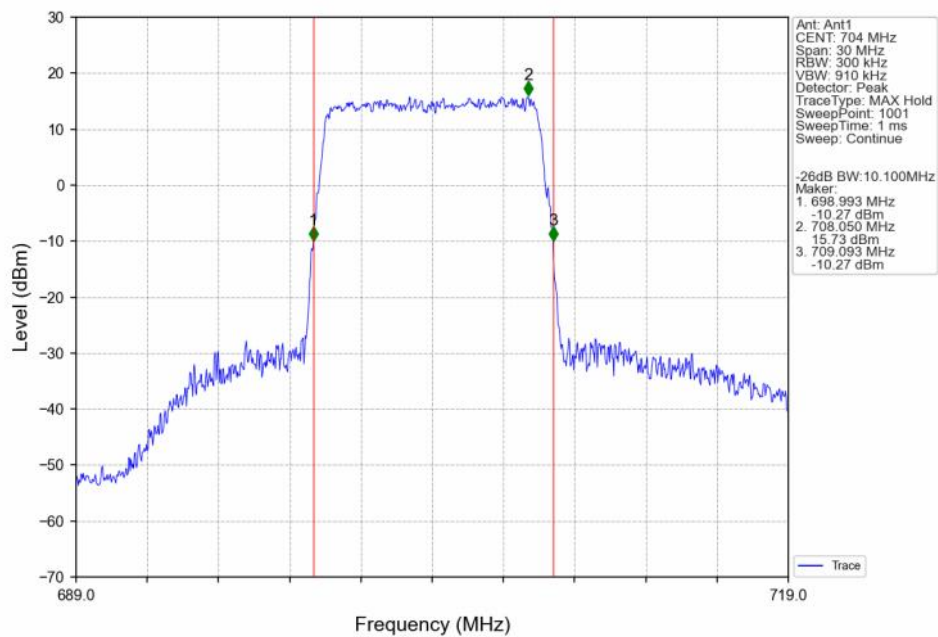
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



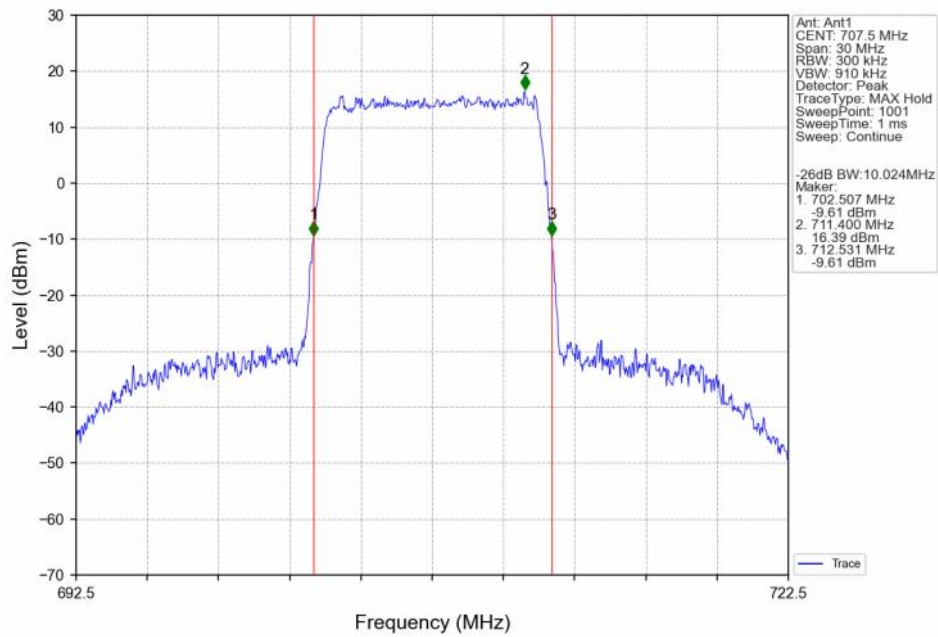
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



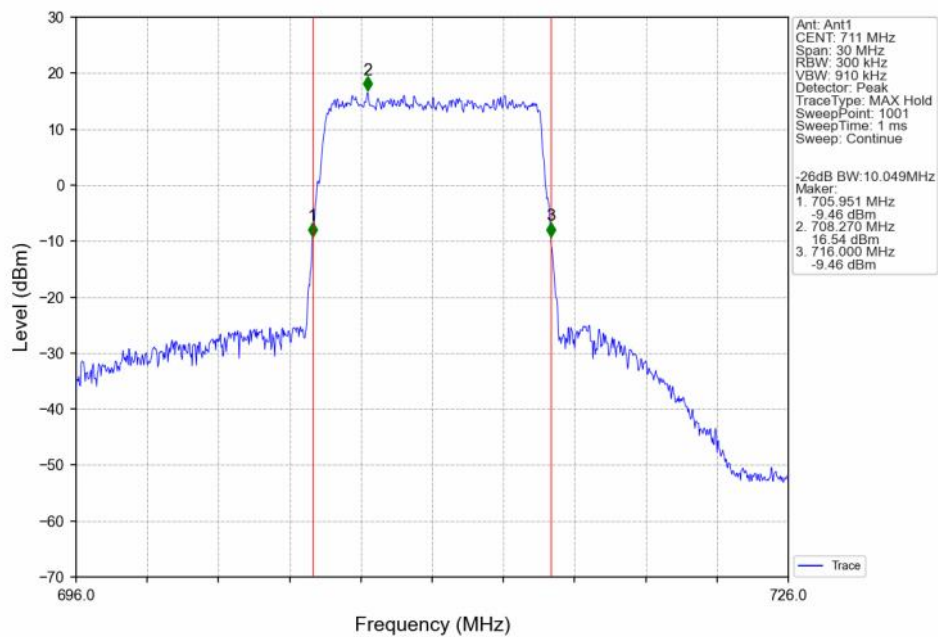
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 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	5.48	<=13	Pass
	707.5	6	0	5.47	<=13	Pass
	715.3	6	0	5.15	<=13	Pass
16QAM	699.7	6	0	6.22	<=13	Pass
	707.5	6	0	6.32	<=13	Pass
	715.3	6	0	5.98	<=13	Pass

5.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.50	<=13	Pass
	707.5	15	0	5.51	<=13	Pass
	714.5	15	0	5.38	<=13	Pass
16QAM	700.5	15	0	6.31	<=13	Pass
	707.5	15	0	6.32	<=13	Pass
	714.5	15	0	6.19	<=13	Pass

5.1.3 B12_5MHz

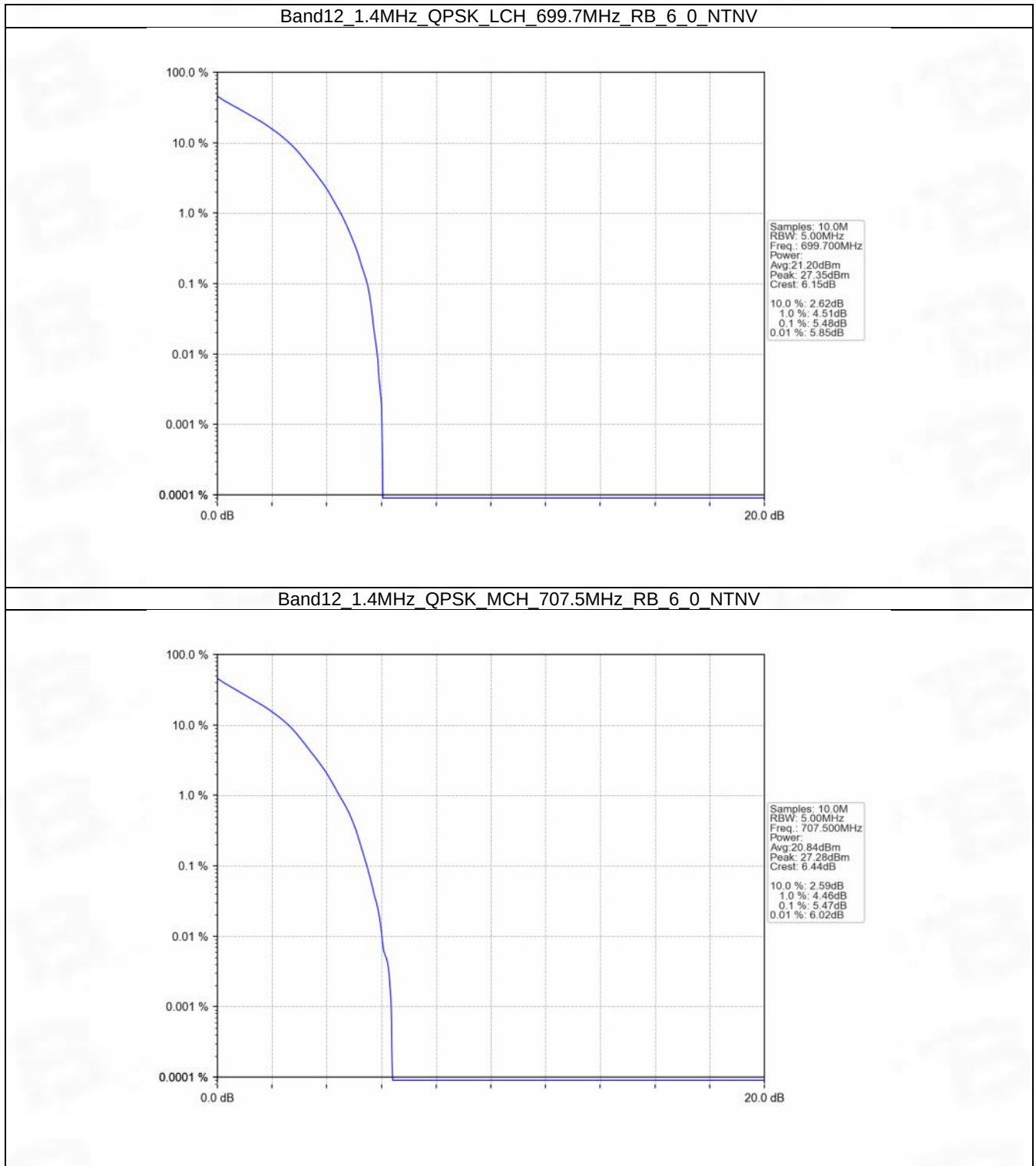
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.58	<=13	Pass
	707.5	25	0	5.62	<=13	Pass
	713.5	25	0	5.51	<=13	Pass
16QAM	701.5	25	0	6.28	<=13	Pass
	707.5	25	0	6.31	<=13	Pass
	713.5	25	0	6.21	<=13	Pass

5.1.4 B12_10MHz

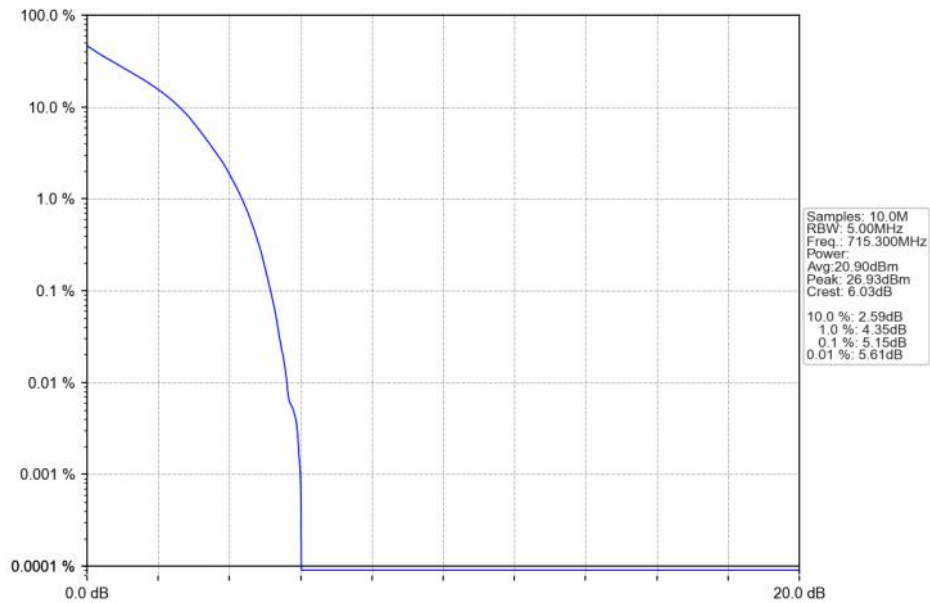
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.62	<=13	Pass
	707.5	50	0	5.62	<=13	Pass
	711	50	0	5.57	<=13	Pass
16QAM	704	50	0	6.38	<=13	Pass
	707.5	50	0	6.39	<=13	Pass
	711	50	0	6.18	<=13	Pass

5.2 Test Graph

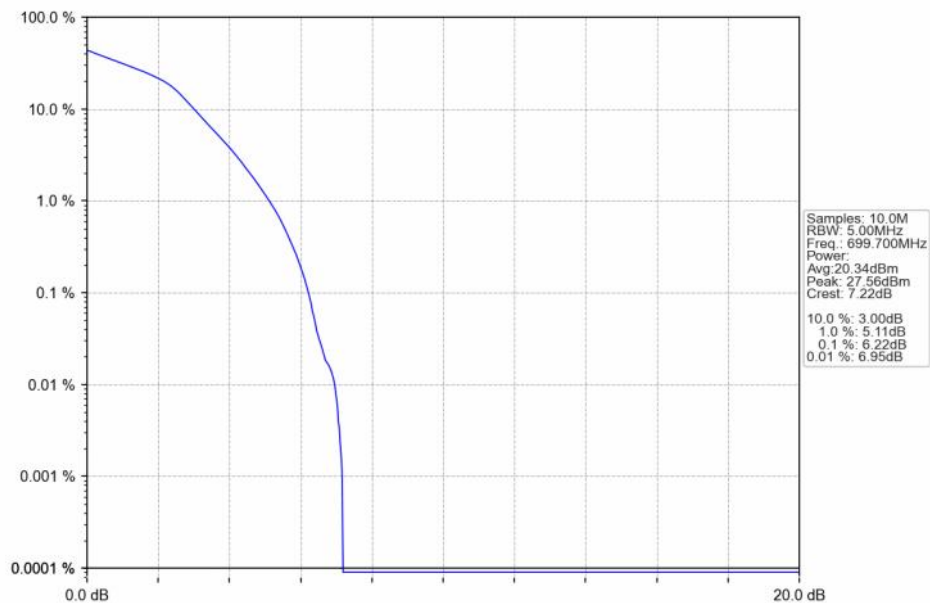
5.2.1 B12_1.4MHz



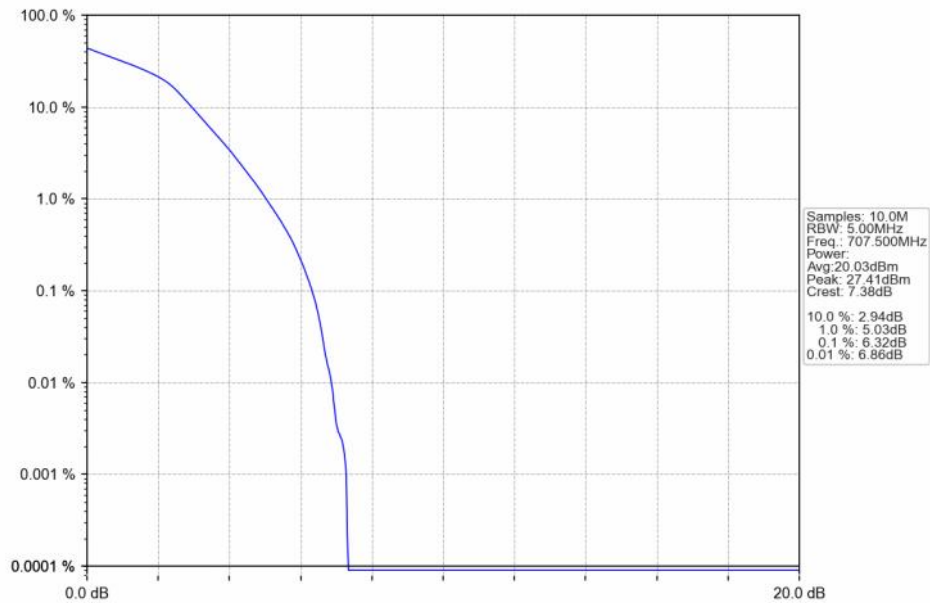
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



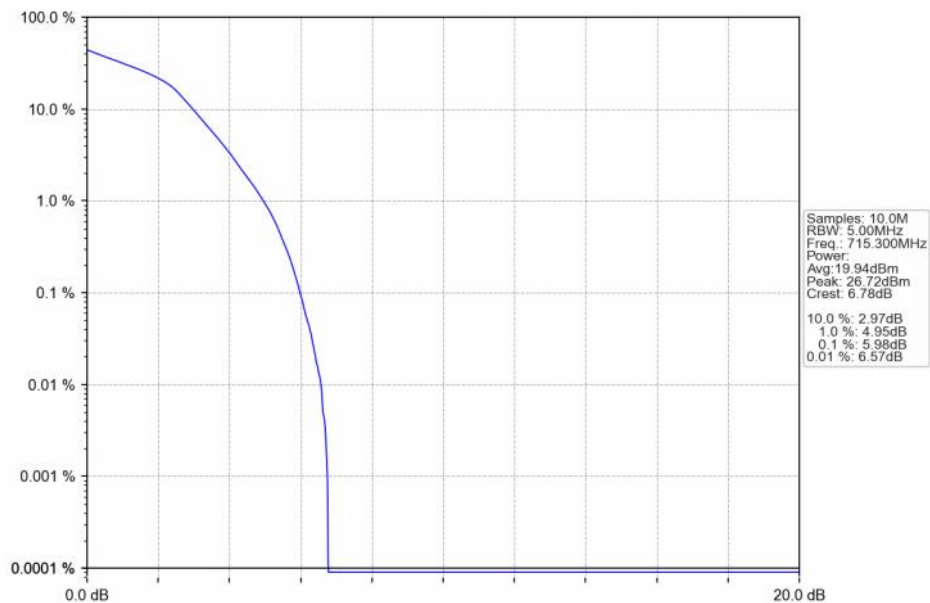
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



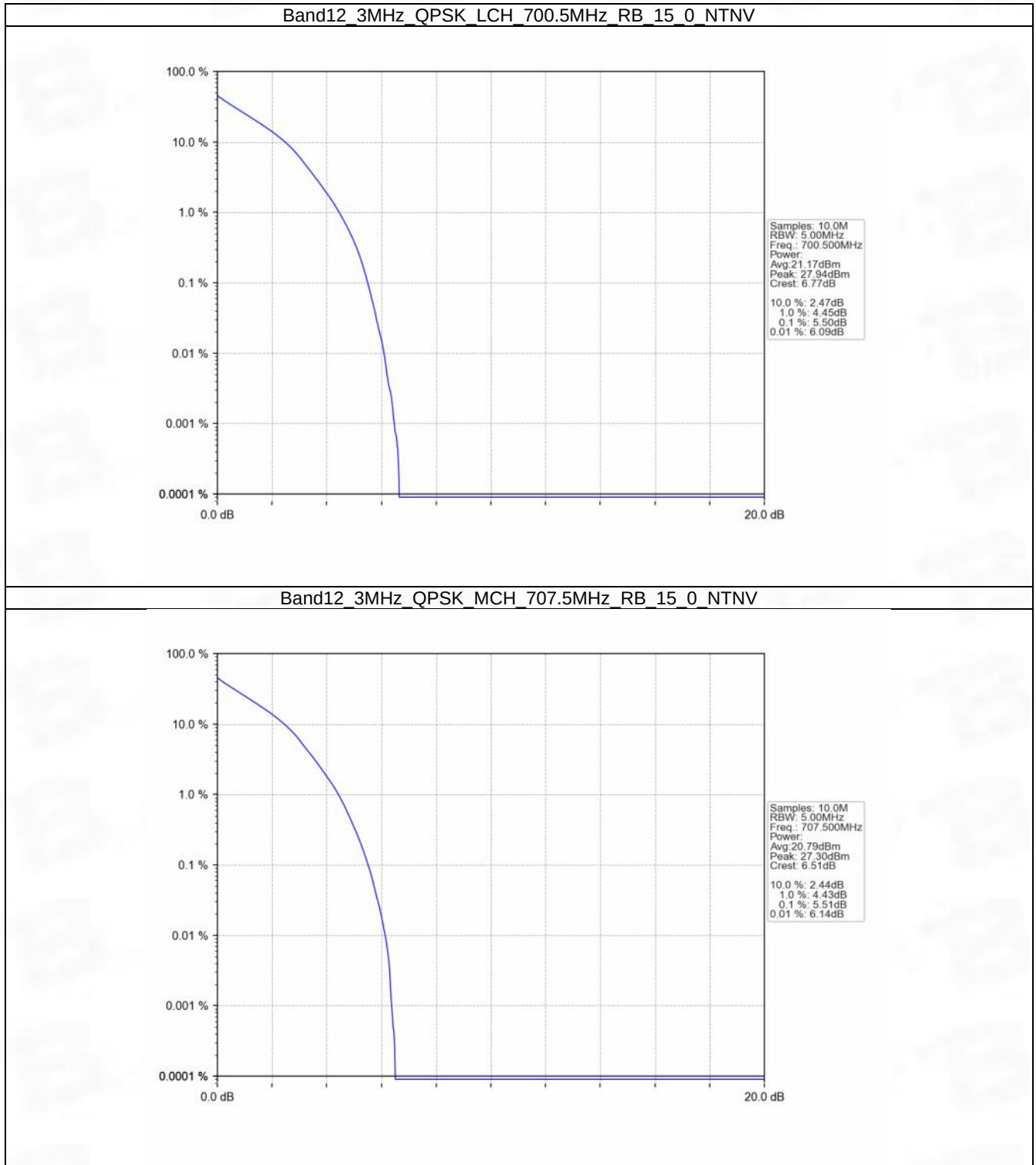
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



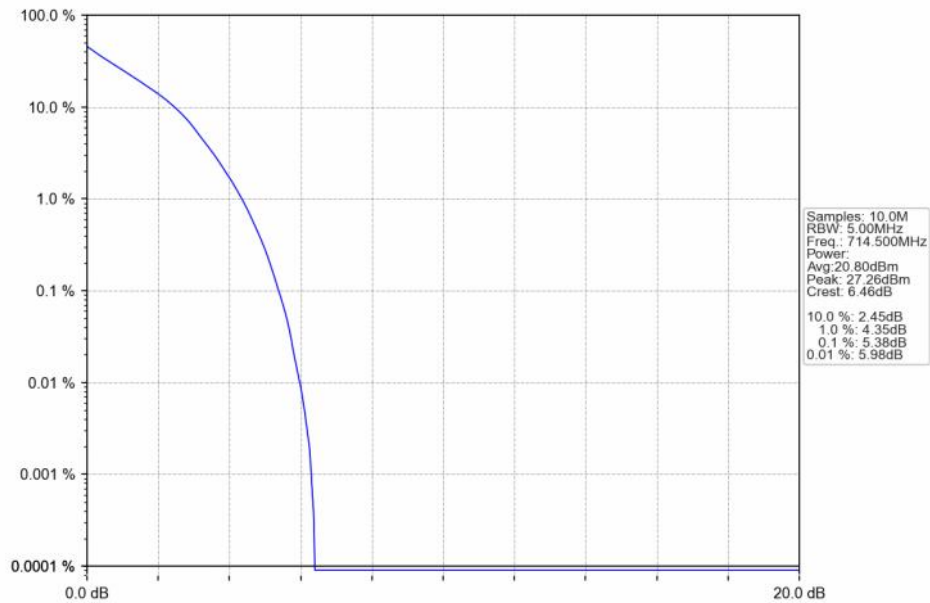
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



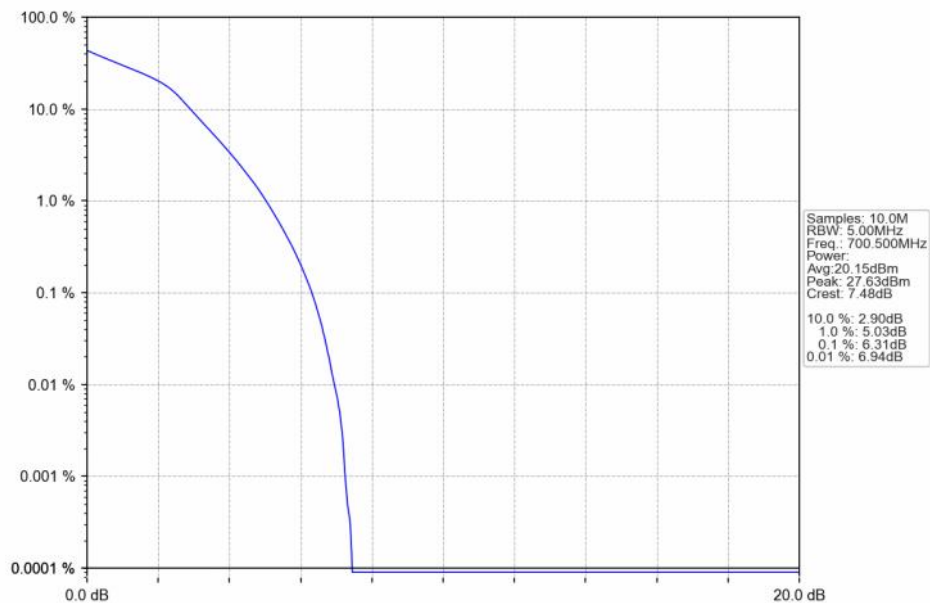
5.2.2 B12_3MHz



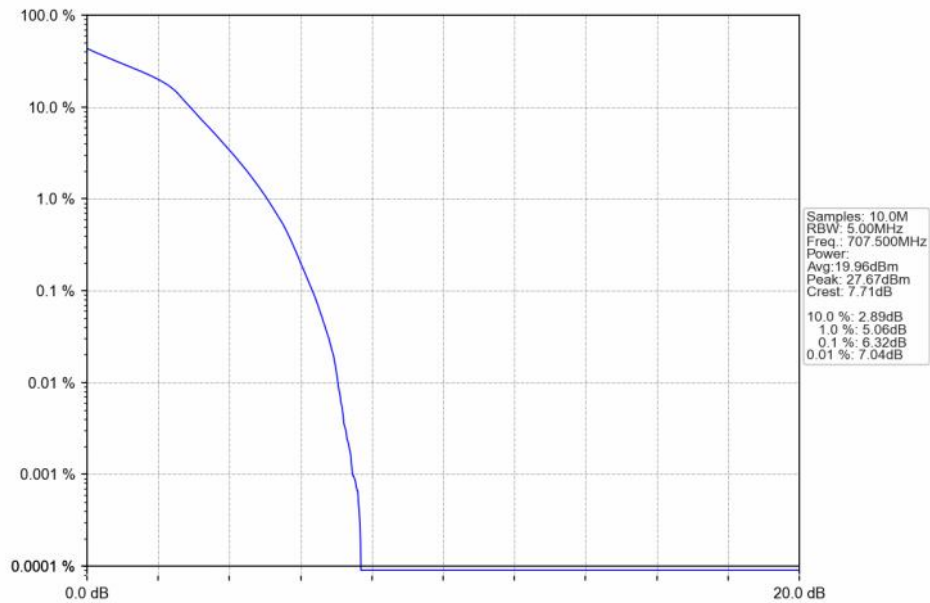
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



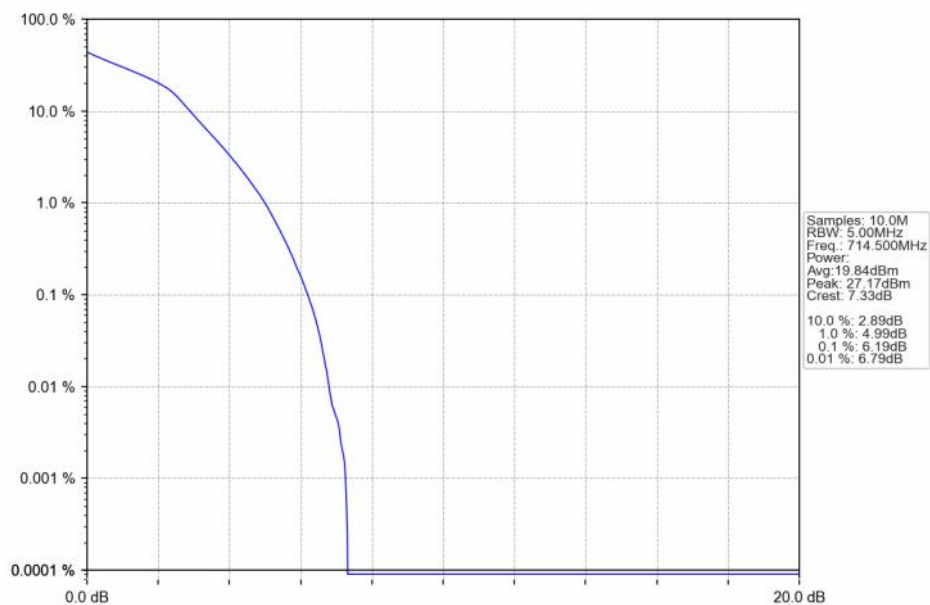
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



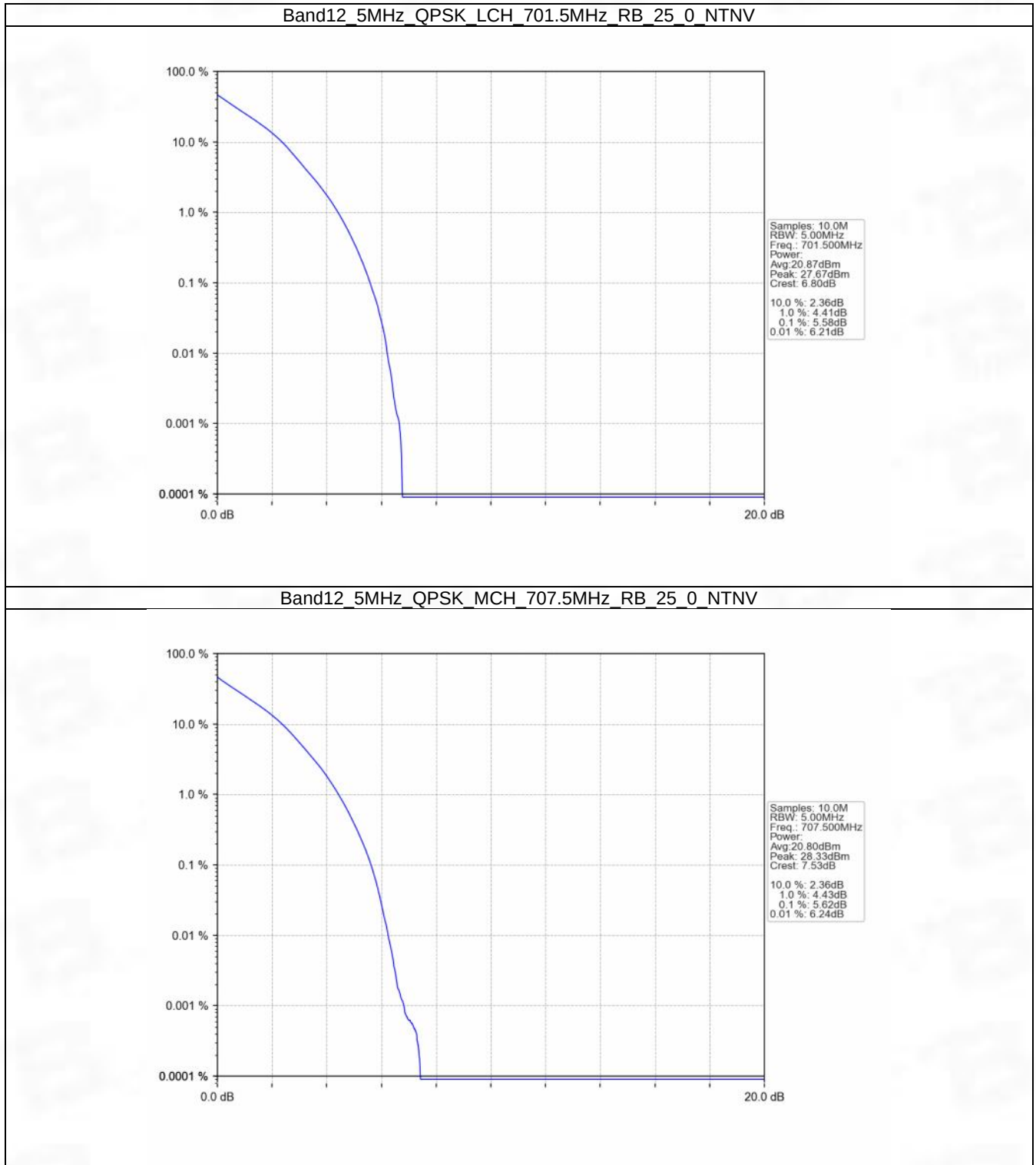
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



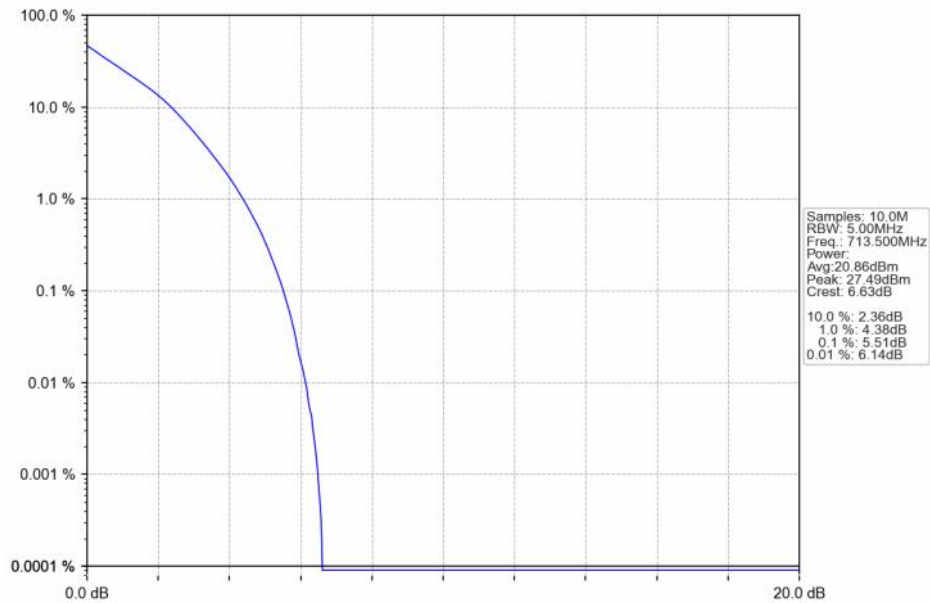
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



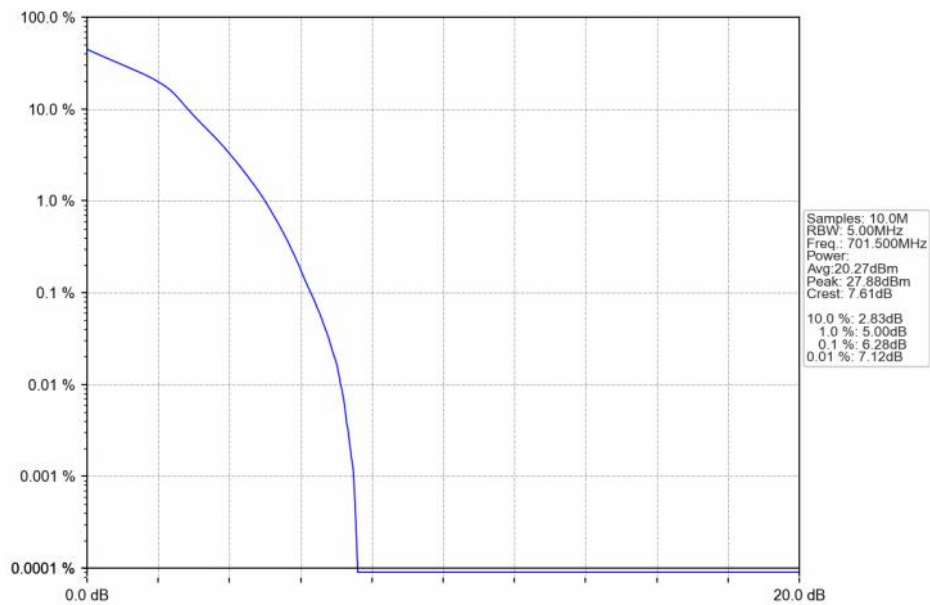
5.2.3 B12_5MHz



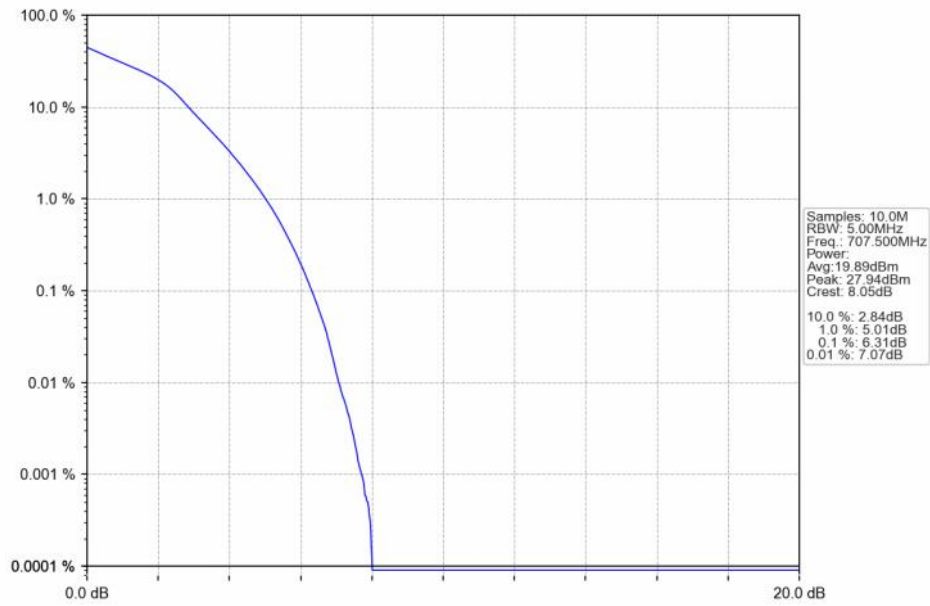
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



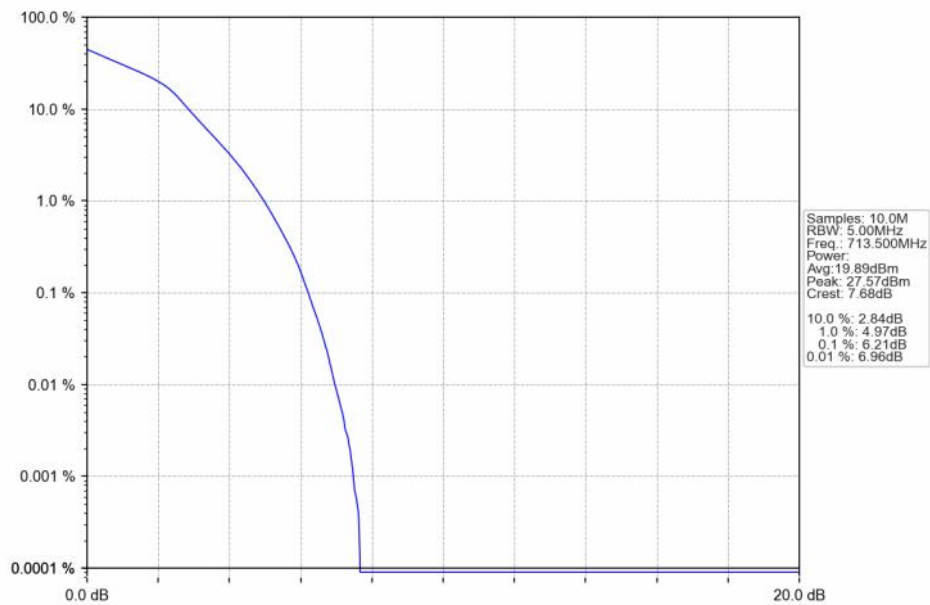
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



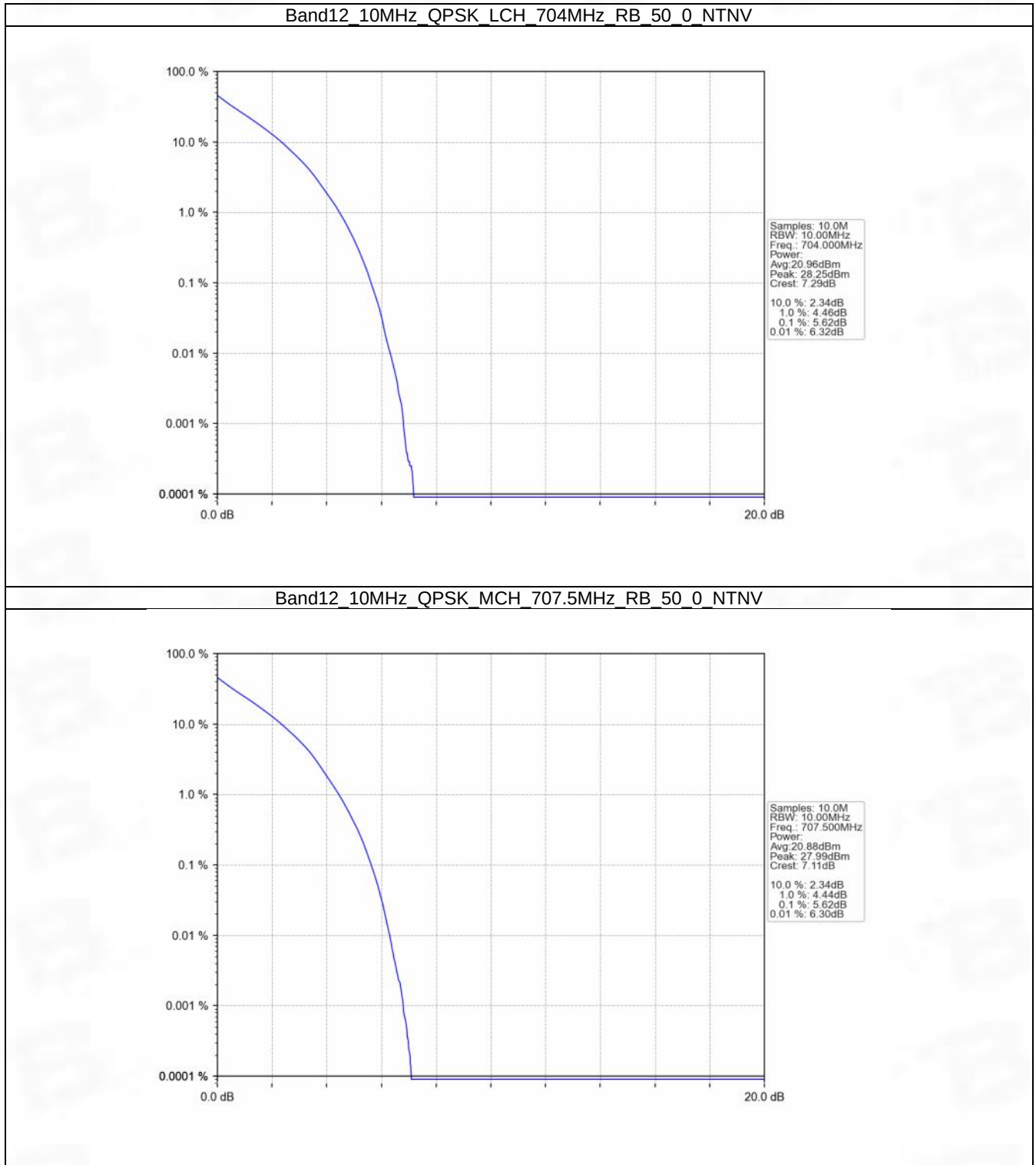
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



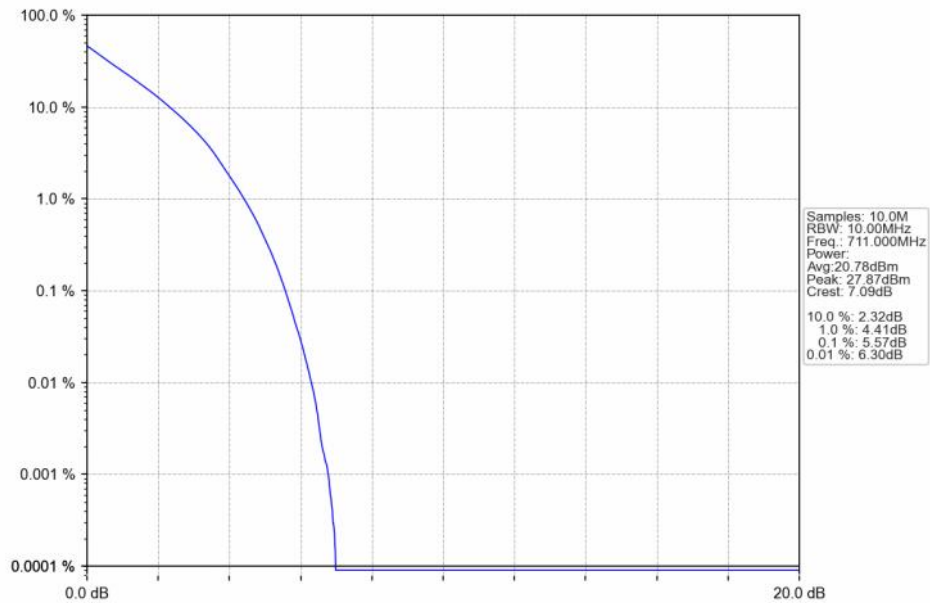
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



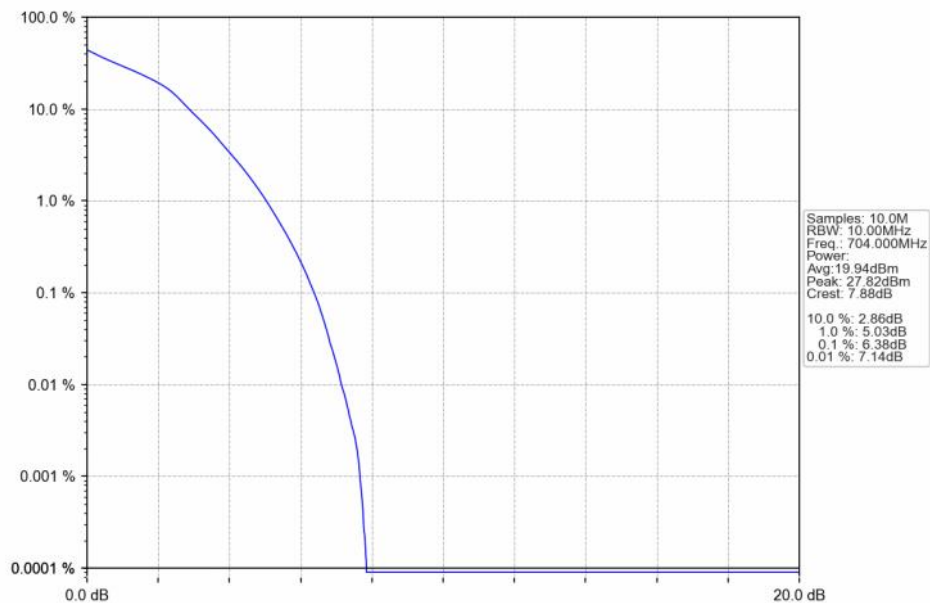
5.2.4 B12_10MHz



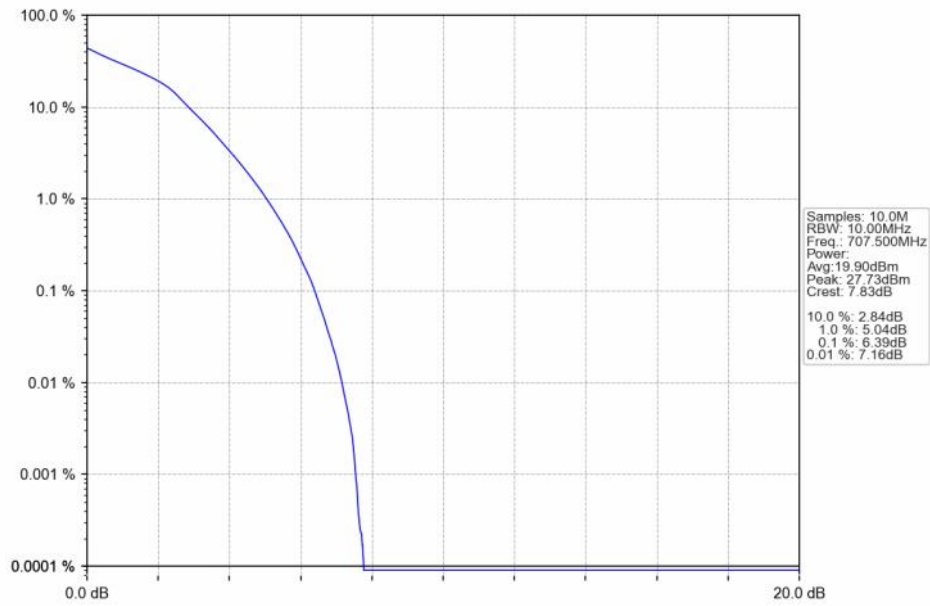
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



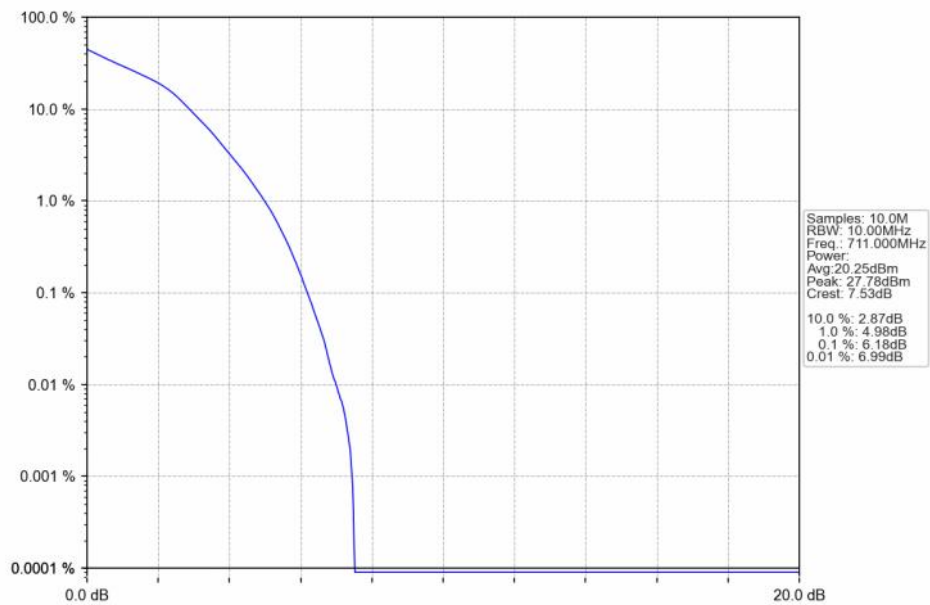
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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	0	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	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass

6.1.2 B12_3MHz

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

6.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	701.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

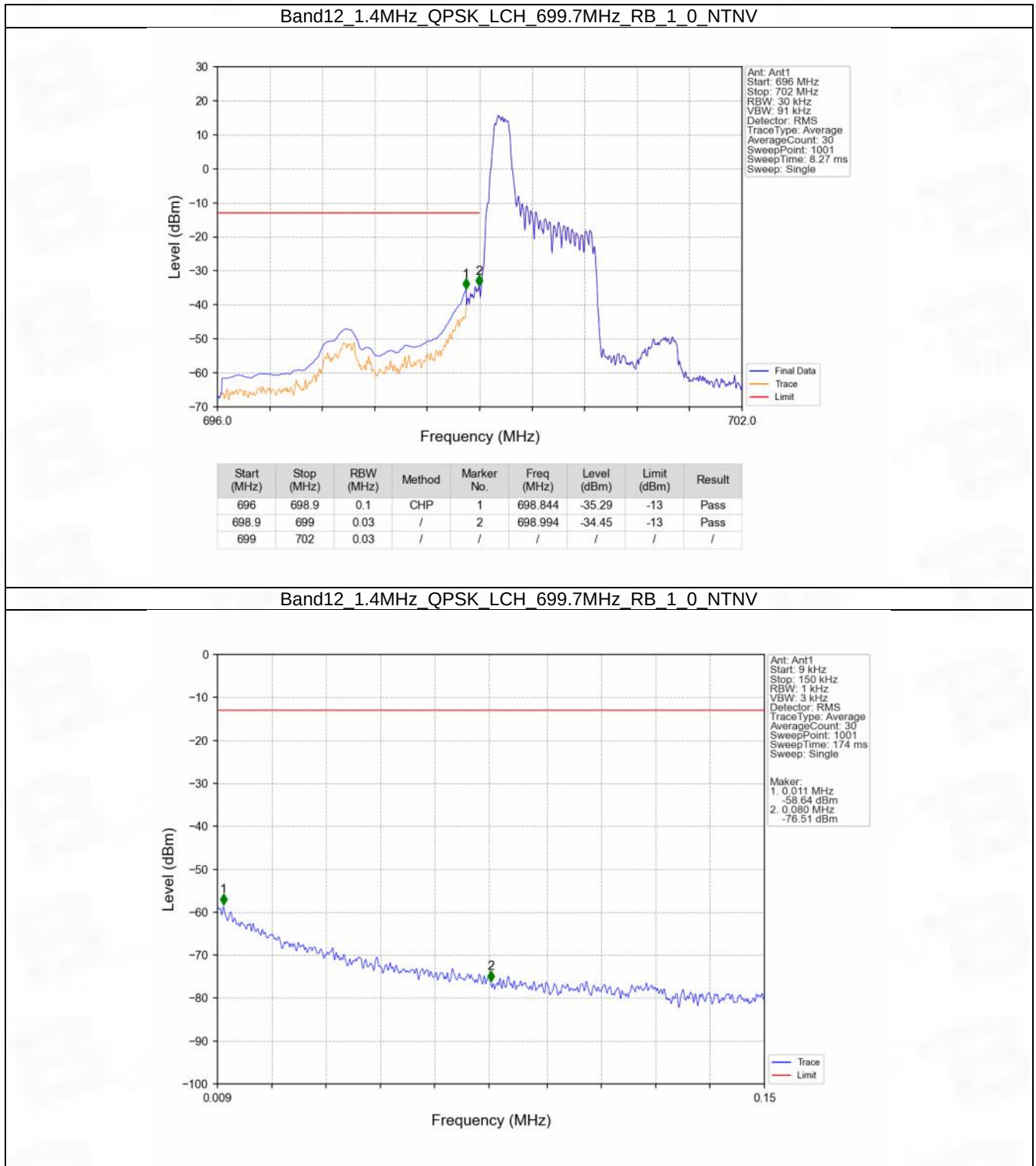
	707.5	1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B12_10MHz

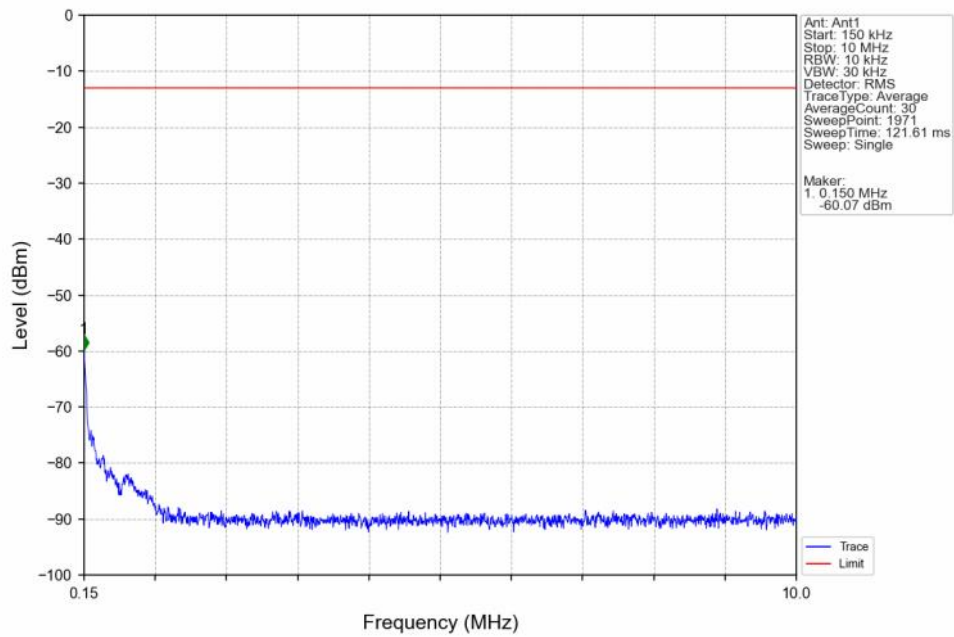
Band: 12 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	704	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
		50	49	Refer To Test Graph	Pass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

6.2 Test Graph

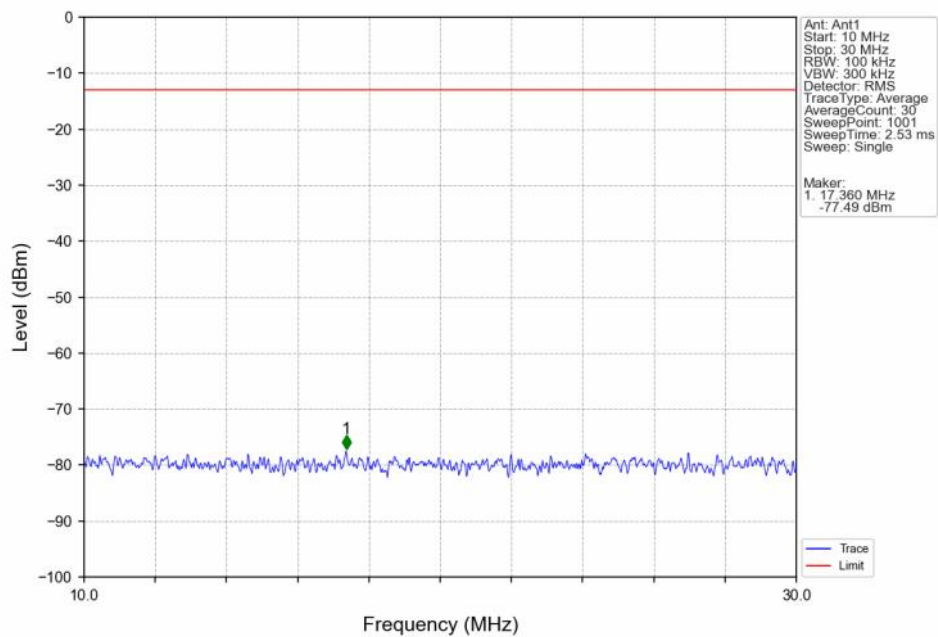
6.2.1 B12_1.4MHz



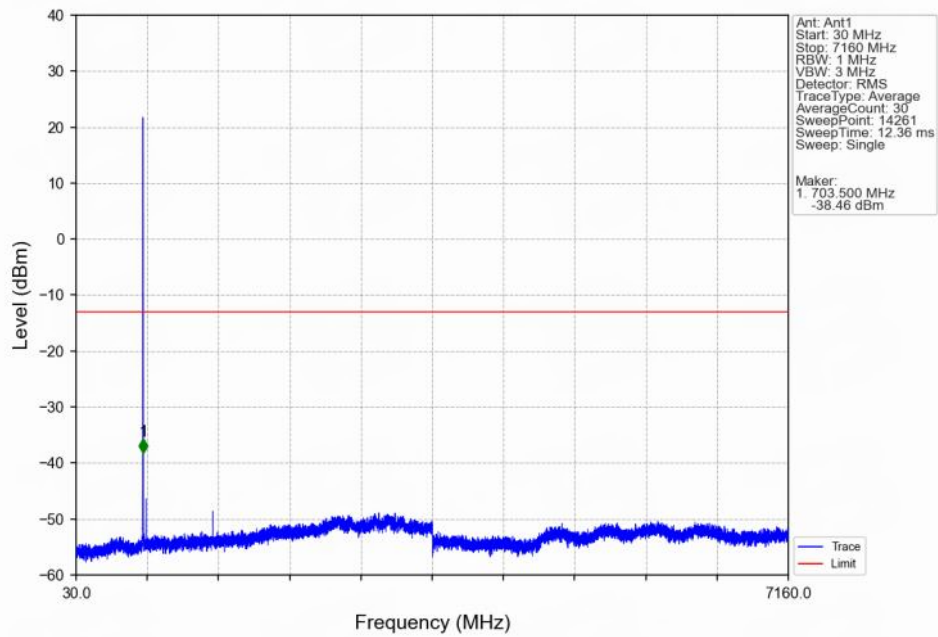
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



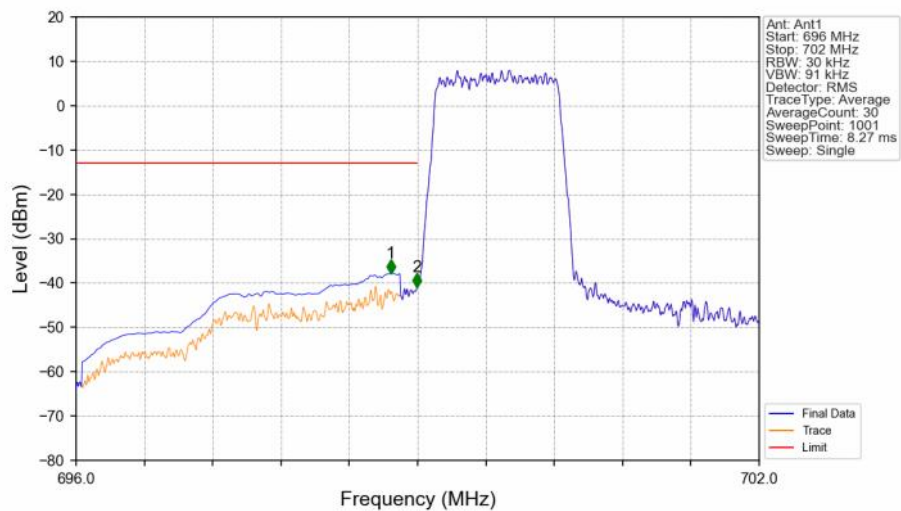
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

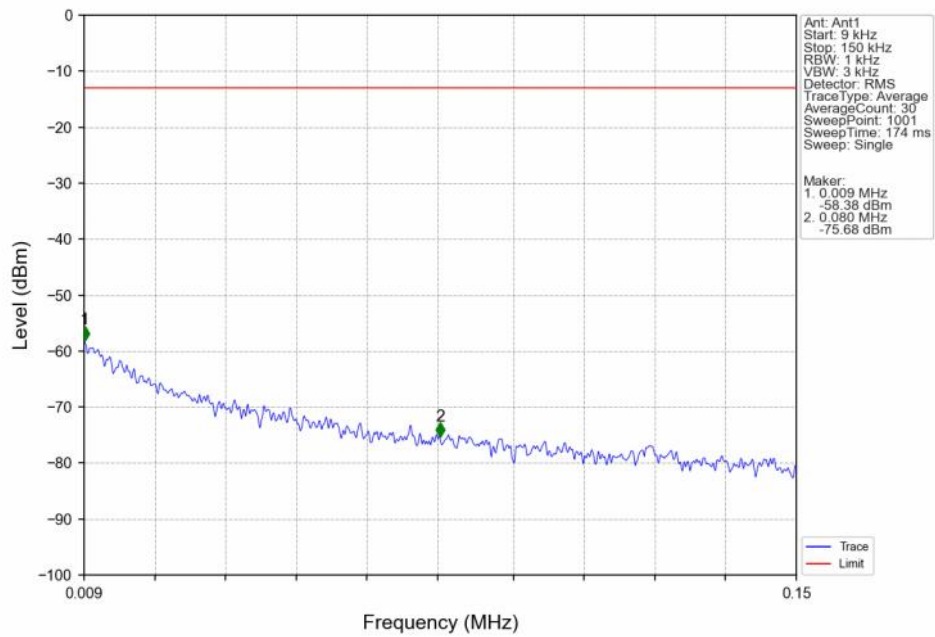


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.766	-37.78	-13	Pass
698.9	699	0.03	/	2	698.994	-40.87	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

