

Appendix - LTE 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	21.79	-2.15	17.49	<=34.77	Pass
			2	21.92	-2.15	17.62	<=34.77	Pass
			5	21.82	-2.15	17.52	<=34.77	Pass
		3	0	21.88	-2.15	17.58	<=34.77	Pass
			2	21.93	-2.15	17.63	<=34.77	Pass
			3	21.90	-2.15	17.60	<=34.77	Pass
		6	0	20.91	-2.15	16.61	<=34.77	Pass
	707.5	1	0	22.02	-2.15	17.72	<=34.77	Pass
			2	22.23	-2.15	17.93	<=34.77	Pass
			5	22.15	-2.15	17.85	<=34.77	Pass
		3	0	22.01	-2.15	17.71	<=34.77	Pass
			2	22.07	-2.15	17.77	<=34.77	Pass
			3	22.01	-2.15	17.71	<=34.77	Pass
		6	0	21.03	-2.15	16.73	<=34.77	Pass
	715.3	1	0	22.14	-2.15	17.84	<=34.77	Pass
			2	22.23	-2.15	17.93	<=34.77	Pass
			5	22.13	-2.15	17.83	<=34.77	Pass
		3	0	22.21	-2.15	17.91	<=34.77	Pass
			2	22.22	-2.15	17.92	<=34.77	Pass
			3	22.19	-2.15	17.89	<=34.77	Pass
		6	0	21.19	-2.15	16.89	<=34.77	Pass
16QAM	699.7	1	0	20.96	-2.15	16.66	<=34.77	Pass
			2	21.12	-2.15	16.82	<=34.77	Pass
			5	20.99	-2.15	16.69	<=34.77	Pass
		3	0	20.69	-2.15	16.39	<=34.77	Pass
			2	21.43	-2.15	17.13	<=34.77	Pass
			3	21.47	-2.15	17.17	<=34.77	Pass
		6	0	20.44	-2.15	16.14	<=34.77	Pass
	707.5	1	0	20.98	-2.15	16.68	<=34.77	Pass
			2	21.01	-2.15	16.71	<=34.77	Pass
			5	21.02	-2.15	16.72	<=34.77	Pass
		3	0	21.23	-2.15	16.93	<=34.77	Pass
			2	21.28	-2.15	16.98	<=34.77	Pass
			3	21.21	-2.15	16.91	<=34.77	Pass
		6	0	20.06	-2.15	15.76	<=34.77	Pass
	715.3	1	0	21.14	-2.15	16.84	<=34.77	Pass
			2	21.26	-2.15	16.96	<=34.77	Pass
			5	21.19	-2.15	16.89	<=34.77	Pass
		3	0	21.27	-2.15	16.97	<=34.77	Pass
			2	21.29	-2.15	16.99	<=34.77	Pass
			3	21.26	-2.15	16.96	<=34.77	Pass
		6	0	20.14	-2.15	15.84	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTNV								
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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	21.84	-2.15	17.54	<=34.77	Pass
			7	22.05	-2.15	17.75	<=34.77	Pass
			14	21.95	-2.15	17.65	<=34.77	Pass
		8	0	20.91	-2.15	16.61	<=34.77	Pass
			4	20.99	-2.15	16.69	<=34.77	Pass
			7	20.93	-2.15	16.63	<=34.77	Pass
		15	0	20.90	-2.15	16.60	<=34.77	Pass
	707.5	1	0	21.96	-2.15	17.66	<=34.77	Pass
			7	22.08	-2.15	17.78	<=34.77	Pass
			14	22.00	-2.15	17.70	<=34.77	Pass
		8	0	20.97	-2.15	16.67	<=34.77	Pass
			4	21.07	-2.15	16.77	<=34.77	Pass
			7	21.07	-2.15	16.77	<=34.77	Pass
		15	0	21.00	-2.15	16.70	<=34.77	Pass
	714.5	1	0	22.14	-2.15	17.84	<=34.77	Pass
			7	22.28	-2.15	17.98	<=34.77	Pass
			14	22.10	-2.15	17.80	<=34.77	Pass
		8	0	21.16	-2.15	16.86	<=34.77	Pass
			4	21.22	-2.15	16.92	<=34.77	Pass
			7	21.18	-2.15	16.88	<=34.77	Pass
		15	0	21.16	-2.15	16.86	<=34.77	Pass
16QAM	700.5	1	0	20.90	-2.15	16.60	<=34.77	Pass
			7	21.09	-2.15	16.79	<=34.77	Pass
			14	20.97	-2.15	16.67	<=34.77	Pass
		8	0	19.96	-2.15	15.66	<=34.77	Pass
			4	20.07	-2.15	15.77	<=34.77	Pass
			7	20.01	-2.15	15.71	<=34.77	Pass
		15	0	19.94	-2.15	15.64	<=34.77	Pass
	707.5	1	0	21.18	-2.15	16.88	<=34.77	Pass
			7	21.31	-2.15	17.01	<=34.77	Pass
			14	21.19	-2.15	16.89	<=34.77	Pass
		8	0	19.97	-2.15	15.67	<=34.77	Pass
			4	20.07	-2.15	15.77	<=34.77	Pass
			7	20.04	-2.15	15.74	<=34.77	Pass
		15	0	19.95	-2.15	15.65	<=34.77	Pass
	714.5	1	0	21.69	-2.15	17.39	<=34.77	Pass
			7	21.89	-2.15	17.59	<=34.77	Pass
			14	21.68	-2.15	17.38	<=34.77	Pass
		8	0	20.35	-2.15	16.05	<=34.77	Pass
			4	20.39	-2.15	16.09	<=34.77	Pass
			7	20.33	-2.15	16.03	<=34.77	Pass
		15	0	20.23	-2.15	15.93	<=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	21.74	-2.15	17.44	<=34.77	Pass
			13	21.95	-2.15	17.65	<=34.77	Pass
			24	21.91	-2.15	17.61	<=34.77	Pass
		12	0	20.95	-2.15	16.65	<=34.77	Pass
			6	20.98	-2.15	16.68	<=34.77	Pass
			13	20.99	-2.15	16.69	<=34.77	Pass
		25	0	20.94	-2.15	16.64	<=34.77	Pass
	707.5	1	0	21.86	-2.15	17.56	<=34.77	Pass

16QAM	713.5		13	22.01	-2.15	17.71	<=34.77	Pass
			24	21.94	-2.15	17.64	<=34.77	Pass
			0	20.99	-2.15	16.69	<=34.77	Pass
		12	6	21.06	-2.15	16.76	<=34.77	Pass
			13	21.07	-2.15	16.77	<=34.77	Pass
			25	21.03	-2.15	16.73	<=34.77	Pass
		1	0	21.96	-2.15	17.66	<=34.77	Pass
			13	22.17	-2.15	17.87	<=34.77	Pass
			24	22.06	-2.15	17.76	<=34.77	Pass
		12	0	21.14	-2.15	16.84	<=34.77	Pass
			6	21.21	-2.15	16.91	<=34.77	Pass
			13	21.09	-2.15	16.79	<=34.77	Pass
		25	0	21.15	-2.15	16.85	<=34.77	Pass
	701.5	1	0	20.87	-2.15	16.57	<=34.77	Pass
			13	21.07	-2.15	16.77	<=34.77	Pass
			24	21.03	-2.15	16.73	<=34.77	Pass
		12	0	19.89	-2.15	15.59	<=34.77	Pass
			6	20.00	-2.15	15.70	<=34.77	Pass
			13	19.92	-2.15	15.62	<=34.77	Pass
		25	0	19.94	-2.15	15.64	<=34.77	Pass
		1	0	21.17	-2.15	16.87	<=34.77	Pass
			13	21.33	-2.15	17.03	<=34.77	Pass
			24	21.27	-2.15	16.97	<=34.77	Pass
		12	0	19.98	-2.15	15.68	<=34.77	Pass
			6	20.10	-2.15	15.80	<=34.77	Pass
			13	20.05	-2.15	15.75	<=34.77	Pass
		25	0	20.04	-2.15	15.74	<=34.77	Pass
	713.5	1	0	20.84	-2.15	16.54	<=34.77	Pass
			13	21.09	-2.15	16.79	<=34.77	Pass
			24	20.96	-2.15	16.66	<=34.77	Pass
		12	0	20.07	-2.15	15.77	<=34.77	Pass
			6	20.18	-2.15	15.88	<=34.77	Pass
			13	20.07	-2.15	15.77	<=34.77	Pass
		25	0	20.21	-2.15	15.91	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	21.87	-2.15	17.57	<=34.77	Pass
			25	22.12	-2.15	17.82	<=34.77	Pass
			49	22.01	-2.15	17.71	<=34.77	Pass
		25	0	20.95	-2.15	16.65	<=34.77	Pass
			13	21.03	-2.15	16.73	<=34.77	Pass
			25	21.07	-2.15	16.77	<=34.77	Pass
		50	0	21.03	-2.15	16.73	<=34.77	Pass
	707.5	1	0	21.83	-2.15	17.53	<=34.77	Pass
			25	22.08	-2.15	17.78	<=34.77	Pass
			49	22.05	-2.15	17.75	<=34.77	Pass
		25	0	21.00	-2.15	16.70	<=34.77	Pass
			13	21.04	-2.15	16.74	<=34.77	Pass
			25	21.09	-2.15	16.79	<=34.77	Pass
		50	0	21.07	-2.15	16.77	<=34.77	Pass
	711	1	0	21.86	-2.15	17.56	<=34.77	Pass
			25	22.16	-2.15	17.86	<=34.77	Pass
			49	22.10	-2.15	17.80	<=34.77	Pass
		25	0	21.02	-2.15	16.72	<=34.77	Pass

16QAM	704	50	13	21.16	-2.15	16.86	<=34.77	Pass
			25	21.08	-2.15	16.78	<=34.77	Pass
			0	21.07	-2.15	16.77	<=34.77	Pass
		1	0	20.86	-2.15	16.56	<=34.77	Pass
			25	21.13	-2.15	16.83	<=34.77	Pass
			49	21.06	-2.15	16.76	<=34.77	Pass
		25	0	20.06	-2.15	15.76	<=34.77	Pass
			13	20.11	-2.15	15.81	<=34.77	Pass
			25	20.13	-2.15	15.83	<=34.77	Pass
		50	0	20.04	-2.15	15.74	<=34.77	Pass
	707.5	1	0	21.09	-2.15	16.79	<=34.77	Pass
			25	21.31	-2.15	17.01	<=34.77	Pass
			49	21.28	-2.15	16.98	<=34.77	Pass
		25	0	20.03	-2.15	15.73	<=34.77	Pass
			13	20.08	-2.15	15.78	<=34.77	Pass
			25	20.12	-2.15	15.82	<=34.77	Pass
		50	0	20.09	-2.15	15.79	<=34.77	Pass
	711	1	0	21.54	-2.15	17.24	<=34.77	Pass
			25	21.78	-2.15	17.48	<=34.77	Pass
			49	21.70	-2.15	17.40	<=34.77	Pass
		25	0	20.08	-2.15	15.78	<=34.77	Pass
			13	20.17	-2.15	15.87	<=34.77	Pass
			25	20.14	-2.15	15.84	<=34.77	Pass
		50	0	20.08	-2.15	15.78	<=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	-7.110	-0.0102	-2.5 to 2.5	Pass
					3.85	-7.324	-0.0105	-2.5 to 2.5	Pass
					4.43	-8.841	-0.0126	-2.5 to 2.5	Pass
				-30	3.85	-8.225	-0.0118	-2.5 to 2.5	Pass
				-20	3.85	-5.894	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-4.306	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-7.024	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-4.778	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-4.563	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-9.799	-0.0140	-2.5 to 2.5	Pass
				50	3.85	-6.423	-0.0092	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-1.817	-0.0026	-2.5 to 2.5	Pass
					3.85	-8.454	-0.0119	-2.5 to 2.5	Pass
					4.43	-4.621	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-6.495	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-4.807	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-3.834	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-6.180	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-6.952	-0.0098	-2.5 to 2.5	Pass
				30	3.85	-6.766	-0.0096	-2.5 to 2.5	Pass
				40	3.85	-5.007	-0.0071	-2.5 to 2.5	Pass
				50	3.85	-5.865	-0.0083	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-7.968	-0.0111	-2.5 to 2.5	Pass

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						3.85	-5.093	-0.0071	-2.5 to 2.5	Pass
						4.43	-8.354	-0.0117	-2.5 to 2.5	Pass
					-30	3.85	-5.450	-0.0076	-2.5 to 2.5	Pass
					-20	3.85	-5.021	-0.0070	-2.5 to 2.5	Pass
					-10	3.85	-6.537	-0.0091	-2.5 to 2.5	Pass
					0	3.85	-5.422	-0.0076	-2.5 to 2.5	Pass
					10	3.85	-7.896	-0.0110	-2.5 to 2.5	Pass
					30	3.85	-3.362	-0.0047	-2.5 to 2.5	Pass
					40	3.85	-5.178	-0.0072	-2.5 to 2.5	Pass
					50	3.85	-5.336	-0.0075	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20		3.27	-6.580	-0.0094	-2.5 to 2.5	Pass
						3.85	-7.539	-0.0108	-2.5 to 2.5	Pass
						4.43	-7.510	-0.0107	-2.5 to 2.5	Pass
				-30	3.85	-5.322	-0.0076	-2.5 to 2.5	Pass	
				-20	3.85	-7.195	-0.0103	-2.5 to 2.5	Pass	
				-10	3.85	-8.683	-0.0124	-2.5 to 2.5	Pass	
				0	3.85	-6.237	-0.0089	-2.5 to 2.5	Pass	
				10	3.85	-8.283	-0.0118	-2.5 to 2.5	Pass	
				30	3.85	-9.227	-0.0132	-2.5 to 2.5	Pass	
				40	3.85	-5.264	-0.0075	-2.5 to 2.5	Pass	
				50	3.85	-8.440	-0.0121	-2.5 to 2.5	Pass	
				707.5	6	0	20		3.27	-5.808
		3.85	-5.150					-0.0073	-2.5 to 2.5	Pass
		4.43	-3.562					-0.0050	-2.5 to 2.5	Pass
	-30	3.85	-5.207				-0.0074	-2.5 to 2.5	Pass	
	-20	3.85	-9.828				-0.0139	-2.5 to 2.5	Pass	
	-10	3.85	-5.322				-0.0075	-2.5 to 2.5	Pass	
	0	3.85	-1.831				-0.0026	-2.5 to 2.5	Pass	
	10	3.85	-6.623				-0.0094	-2.5 to 2.5	Pass	
	30	3.85	-4.749				-0.0067	-2.5 to 2.5	Pass	
	40	3.85	-2.503				-0.0035	-2.5 to 2.5	Pass	
	50	3.85	-5.522				-0.0078	-2.5 to 2.5	Pass	
	715.3	6	0				20		3.27	-2.031
					3.85	-5.136		-0.0072	-2.5 to 2.5	Pass
					4.43	-6.437		-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-10.071	-0.0141	-2.5 to 2.5	Pass	
				-20	3.85	-9.241	-0.0129	-2.5 to 2.5	Pass	
				-10	3.85	-1.216	-0.0017	-2.5 to 2.5	Pass	
				0	3.85	-5.593	-0.0078	-2.5 to 2.5	Pass	
				10	3.85	-7.167	-0.0100	-2.5 to 2.5	Pass	
				30	3.85	-3.891	-0.0054	-2.5 to 2.5	Pass	
				40	3.85	-6.366	-0.0089	-2.5 to 2.5	Pass	
				50	3.85	-2.360	-0.0033	-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	-8.140	-0.0116	-2.5 to 2.5	Pass
					3.85	-3.619	-0.0052	-2.5 to 2.5	Pass
					4.43	-6.509	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-9.613	-0.0137	-2.5 to 2.5	Pass
				-20	3.85	-4.120	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-10.800	-0.0154	-2.5 to 2.5	Pass
				0	3.85	-8.326	-0.0119	-2.5 to 2.5	Pass
				10	3.85	-7.181	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-7.668	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-4.992	-0.0071	-2.5 to 2.5	Pass

16QAM	707.5	15	0	50	3.85	-8.669	-0.0124	-2.5 to 2.5	Pass
				20	3.27	-3.018	-0.0043	-2.5 to 2.5	Pass
					3.85	-6.623	-0.0094	-2.5 to 2.5	Pass
					4.43	-3.119	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-6.995	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-7.753	-0.0110	-2.5 to 2.5	Pass
				-10	3.85	-8.554	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-7.453	-0.0105	-2.5 to 2.5	Pass
				10	3.85	-2.847	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-3.247	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-2.275	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-4.277	-0.0060	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-6.409	-0.0090	-2.5 to 2.5	Pass
					3.85	-3.848	-0.0054	-2.5 to 2.5	Pass
					4.43	-4.621	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-5.722	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-6.251	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-6.795	-0.0095	-2.5 to 2.5	Pass
				0	3.85	-6.394	-0.0089	-2.5 to 2.5	Pass
				10	3.85	-8.640	-0.0121	-2.5 to 2.5	Pass
				30	3.85	-3.662	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-6.394	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-3.591	-0.0050	-2.5 to 2.5	Pass
	700.5	15	0	20	3.27	-7.854	-0.0112	-2.5 to 2.5	Pass
					3.85	-2.747	-0.0039	-2.5 to 2.5	Pass
					4.43	-9.298	-0.0133	-2.5 to 2.5	Pass
				-30	3.85	-3.390	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-4.435	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-8.483	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-2.918	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-3.047	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-3.476	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-3.319	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-7.353	-0.0105	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-6.037	-0.0085	-2.5 to 2.5	Pass
					3.85	-4.148	-0.0059	-2.5 to 2.5	Pass
					4.43	-6.766	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-4.449	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-8.111	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	-9.913	-0.0140	-2.5 to 2.5	Pass
				0	3.85	-9.470	-0.0134	-2.5 to 2.5	Pass
				10	3.85	-6.366	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-6.452	-0.0091	-2.5 to 2.5	Pass
				40	3.85	-9.613	-0.0136	-2.5 to 2.5	Pass
				50	3.85	-3.076	-0.0043	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-5.393	-0.0075	-2.5 to 2.5	Pass
					3.85	-4.048	-0.0057	-2.5 to 2.5	Pass
					4.43	-7.997	-0.0112	-2.5 to 2.5	Pass
				-30	3.85	-7.281	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-7.267	-0.0102	-2.5 to 2.5	Pass
				-10	3.85	-7.896	-0.0111	-2.5 to 2.5	Pass
				0	3.85	-7.682	-0.0108	-2.5 to 2.5	Pass
				10	3.85	-7.825	-0.0110	-2.5 to 2.5	Pass
				30	3.85	-7.253	-0.0102	-2.5 to 2.5	Pass
				40	3.85	-7.682	-0.0108	-2.5 to 2.5	Pass
				50	3.85	-6.895	-0.0097	-2.5 to 2.5	Pass

2.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	-5.436	-0.0077	-2.5 to 2.5	Pass
					3.85	-4.120	-0.0059	-2.5 to 2.5	Pass
					4.43	-11.086	-0.0158	-2.5 to 2.5	Pass
				-30	3.85	-3.619	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-4.950	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-8.597	-0.0123	-2.5 to 2.5	Pass
				0	3.85	-10.214	-0.0146	-2.5 to 2.5	Pass
				10	3.85	-9.928	-0.0142	-2.5 to 2.5	Pass
				30	3.85	-8.812	-0.0126	-2.5 to 2.5	Pass
				40	3.85	-7.310	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-5.236	-0.0075	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-6.852	-0.0097	-2.5 to 2.5	Pass
					3.85	-6.981	-0.0099	-2.5 to 2.5	Pass
					4.43	-9.341	-0.0132	-2.5 to 2.5	Pass
				-30	3.85	-4.621	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-6.423	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-5.679	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-4.792	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-7.553	-0.0107	-2.5 to 2.5	Pass
				30	3.85	-5.207	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-7.195	-0.0102	-2.5 to 2.5	Pass
				50	3.85	-7.911	-0.0112	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-6.852	-0.0096	-2.5 to 2.5	Pass
					3.85	-4.921	-0.0069	-2.5 to 2.5	Pass
					4.43	-7.339	-0.0103	-2.5 to 2.5	Pass
				-30	3.85	-7.167	-0.0100	-2.5 to 2.5	Pass
				-20	3.85	-4.978	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-4.621	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-6.108	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-5.994	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-1.516	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-6.409	-0.0090	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-6.652	-0.0095	-2.5 to 2.5	Pass
					3.85	-5.336	-0.0076	-2.5 to 2.5	Pass
					4.43	-8.883	-0.0127	-2.5 to 2.5	Pass
				-30	3.85	-10.629	-0.0152	-2.5 to 2.5	Pass
				-20	3.85	-6.652	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-9.899	-0.0141	-2.5 to 2.5	Pass
				0	3.85	-5.093	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-7.253	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-8.526	-0.0122	-2.5 to 2.5	Pass
				40	3.85	-5.536	-0.0079	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-6.008	-0.0085	-2.5 to 2.5	Pass
					3.85	-2.317	-0.0033	-2.5 to 2.5	Pass
					4.43	-9.227	-0.0130	-2.5 to 2.5	Pass
				-30	3.85	-4.520	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-6.766	-0.0096	-2.5 to 2.5	Pass
				-10	3.85	-7.825	-0.0111	-2.5 to 2.5	Pass
				0	3.85	-7.024	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-6.638	-0.0094	-2.5 to 2.5	Pass
				30	3.85	-3.333	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-4.878	-0.0069	-2.5 to 2.5	Pass
	713.5	25	0	50	3.85	-5.121	-0.0072	-2.5 to 2.5	Pass
				20	3.27	-5.236	-0.0073	-2.5 to 2.5	Pass

					3.85	-4.535	-0.0064	-2.5 to 2.5	Pass
					4.43	-9.842	-0.0138	-2.5 to 2.5	Pass
				-30	3.85	-6.938	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-9.570	-0.0134	-2.5 to 2.5	Pass
				-10	3.85	-10.099	-0.0142	-2.5 to 2.5	Pass
				0	3.85	-6.952	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-8.039	-0.0113	-2.5 to 2.5	Pass
				30	3.85	-7.095	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-5.479	-0.0077	-2.5 to 2.5	Pass
				50	3.85	-4.106	-0.0058	-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	-9.112	-0.0129	-2.5 to 2.5	Pass
					3.85	-4.234	-0.0060	-2.5 to 2.5	Pass
					4.43	-6.781	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-3.333	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-4.649	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-5.937	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-2.689	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-4.134	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-6.623	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-6.738	-0.0096	-2.5 to 2.5	Pass
				50	3.85	-4.992	-0.0071	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-6.895	-0.0097	-2.5 to 2.5	Pass
					3.85	-7.167	-0.0101	-2.5 to 2.5	Pass
					4.43	-5.708	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-2.732	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-7.296	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-3.090	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-10.457	-0.0148	-2.5 to 2.5	Pass
				10	3.85	-6.065	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-7.839	-0.0111	-2.5 to 2.5	Pass
				40	3.85	-4.678	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-6.251	-0.0088	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-7.710	-0.0108	-2.5 to 2.5	Pass
					3.85	-8.469	-0.0119	-2.5 to 2.5	Pass
					4.43	-6.595	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-3.977	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-6.709	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-7.081	-0.0100	-2.5 to 2.5	Pass
				0	3.85	-2.232	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-6.180	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-7.739	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-4.849	-0.0068	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-5.293	-0.0075	-2.5 to 2.5	Pass
					3.85	-5.579	-0.0079	-2.5 to 2.5	Pass
					4.43	-6.866	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-8.268	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-7.410	-0.0105	-2.5 to 2.5	Pass
				-10	3.85	-8.154	-0.0116	-2.5 to 2.5	Pass
				0	3.85	-8.340	-0.0118	-2.5 to 2.5	Pass
				10	3.85	-6.094	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-3.619	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-9.270	-0.0132	-2.5 to 2.5	Pass

	707.5	50	0	50	3.85	-10.042	-0.0143	-2.5 to 2.5	Pass
				20	3.27	-6.323	-0.0089	-2.5 to 2.5	Pass
					3.85	-6.881	-0.0097	-2.5 to 2.5	Pass
					4.43	-5.178	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-6.151	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	-8.197	-0.0116	-2.5 to 2.5	Pass
				-10	3.85	-7.682	-0.0109	-2.5 to 2.5	Pass
				0	3.85	-4.807	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-3.376	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-6.652	-0.0094	-2.5 to 2.5	Pass
	711	50	0	40	3.85	-8.769	-0.0124	-2.5 to 2.5	Pass
				50	3.85	-9.313	-0.0132	-2.5 to 2.5	Pass
				20	3.27	-5.107	-0.0072	-2.5 to 2.5	Pass
					3.85	-3.190	-0.0045	-2.5 to 2.5	Pass
					4.43	-6.995	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-5.150	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-7.939	-0.0112	-2.5 to 2.5	Pass
				-10	3.85	-4.706	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-6.680	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-4.821	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-5.350	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-8.240	-0.0116	-2.5 to 2.5	Pass
				50	3.85	-2.503	-0.0035	-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 / NTV						
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 / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

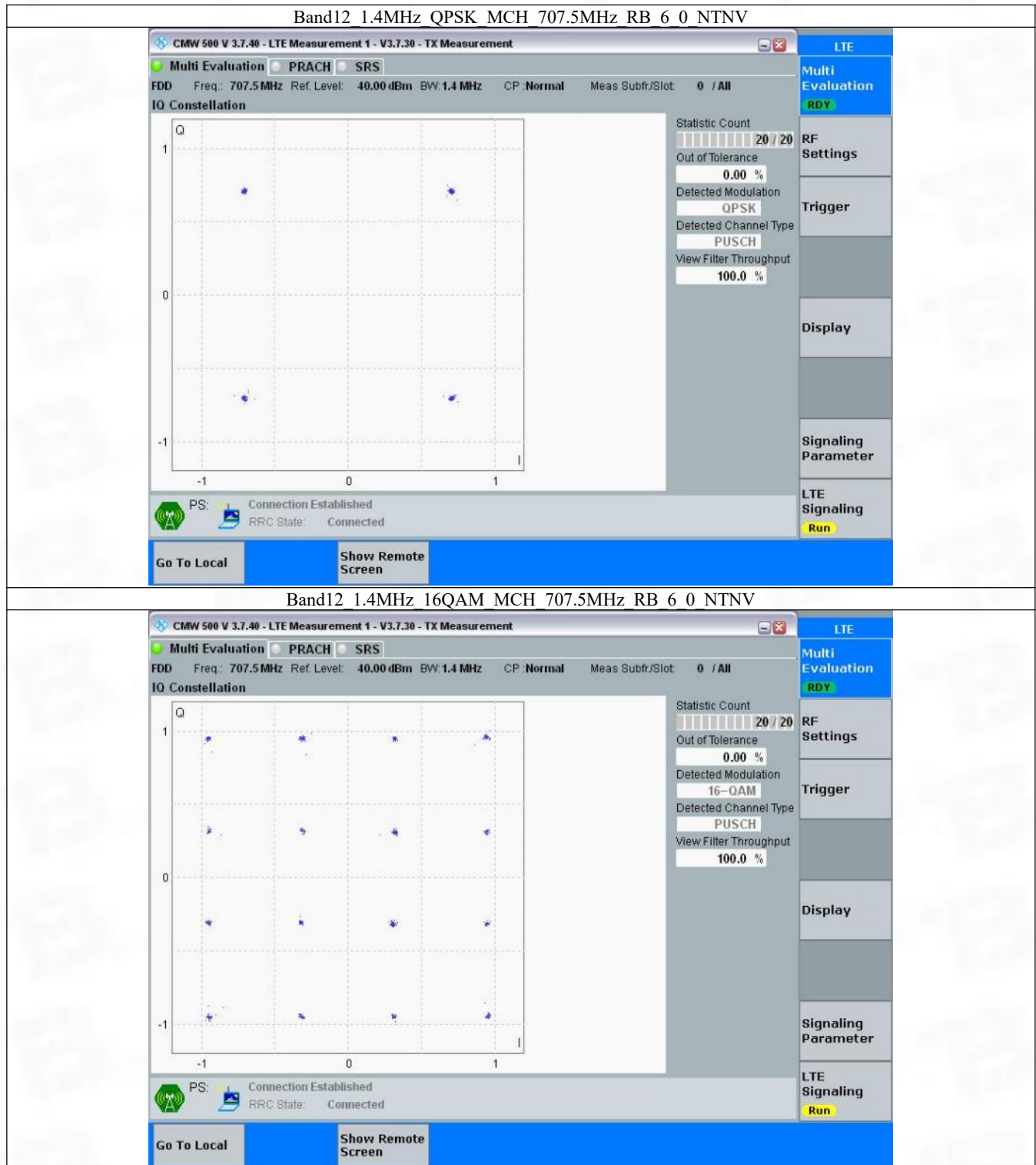
3.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV				
Modulation	Frequency	RB Allocation	Modulation Characteristics	Verdict

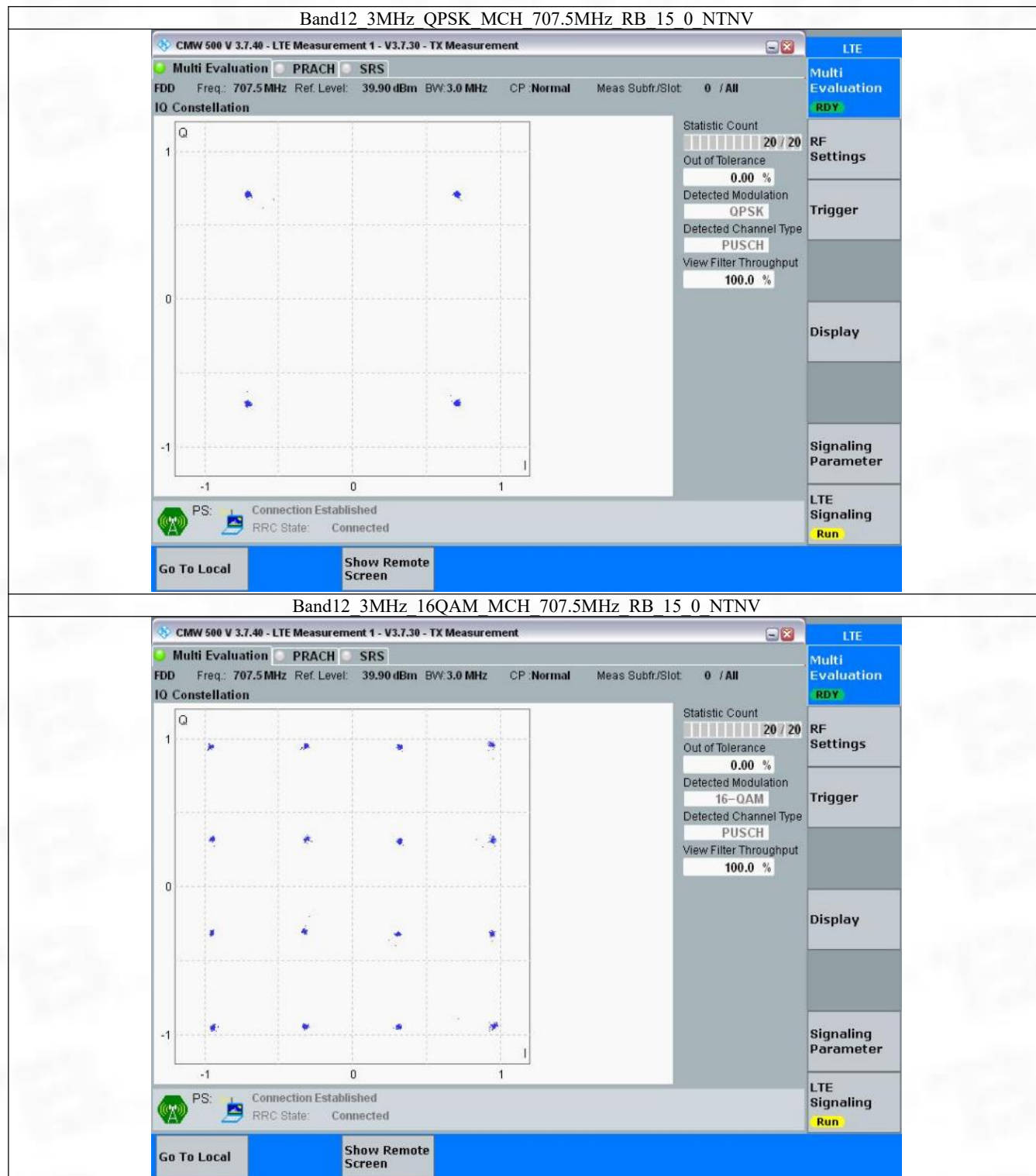
	(MHz)	Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

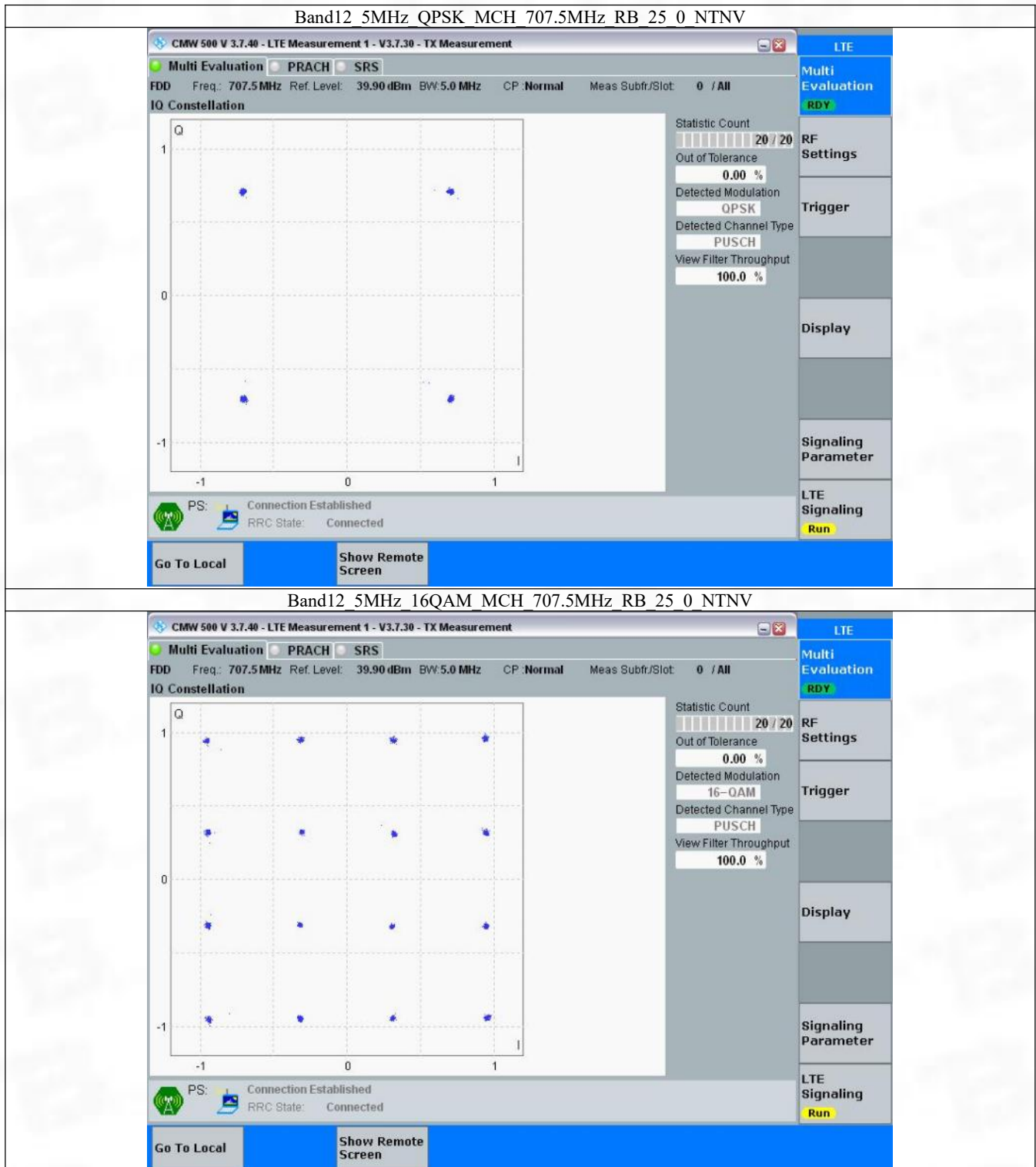
3.2.1 B12_1.4MHz



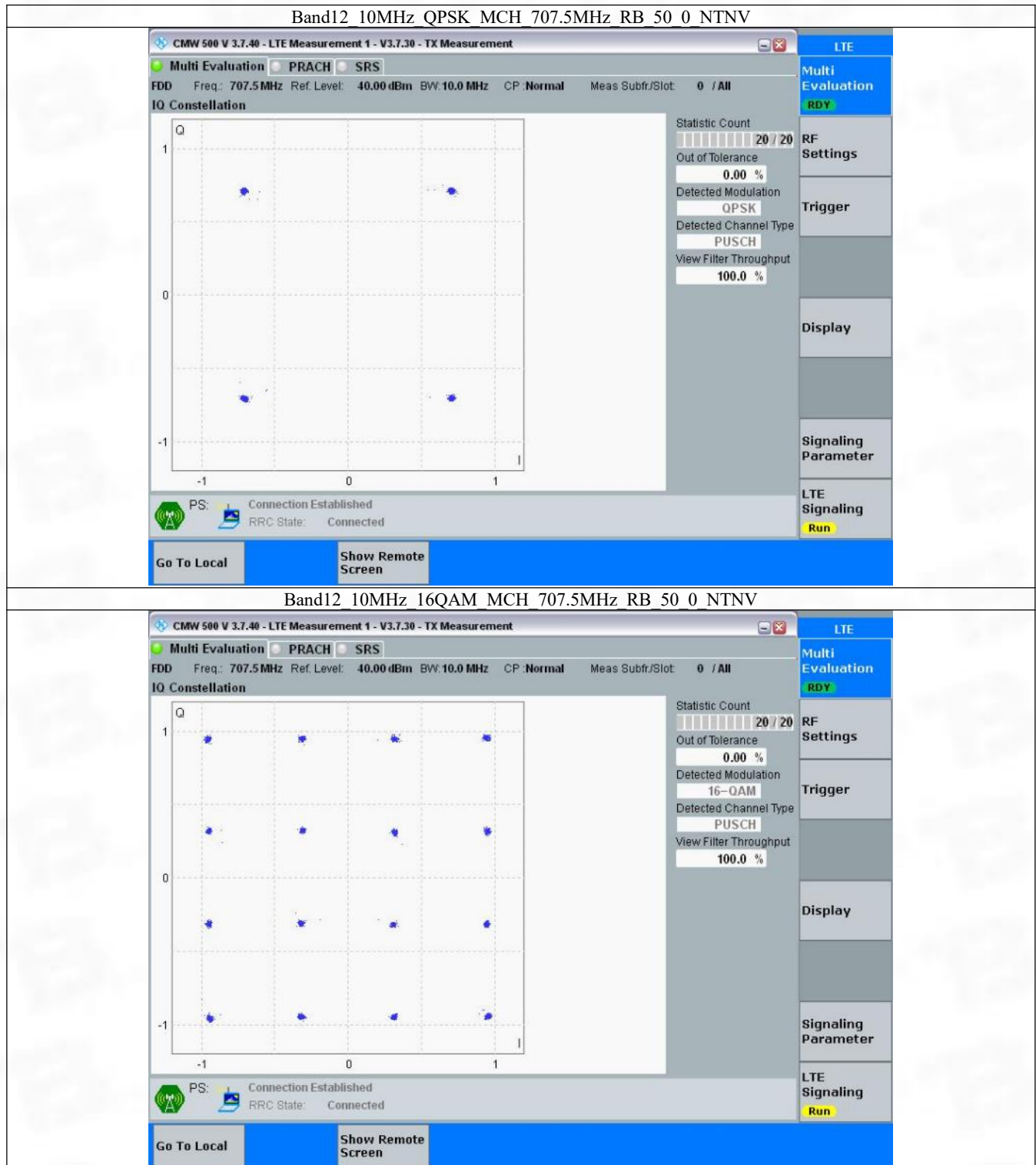
3.2.2 B12_3MHz



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	1.108	/	Pass
		707.5	6	0	1.110	/	Pass
		715.3	6	0	1.115	/	Pass
	16QAM	699.7	6	0	1.112	/	Pass
		707.5	6	0	1.111	/	Pass
		715.3	6	0	1.110	/	Pass
3	QPSK	700.5	15	0	2.728	/	Pass
		707.5	15	0	2.726	/	Pass
		714.5	15	0	2.724	/	Pass
	16QAM	700.5	15	0	2.715	/	Pass
		707.5	15	0	2.722	/	Pass
		714.5	15	0	2.717	/	Pass
5	QPSK	701.5	25	0	4.564	/	Pass
		707.5	25	0	4.558	/	Pass
		713.5	25	0	4.569	/	Pass
	16QAM	701.5	25	0	4.589	/	Pass
		707.5	25	0	4.572	/	Pass
		713.5	25	0	4.557	/	Pass
10	QPSK	704	50	0	9.097	/	Pass
		707.5	50	0	9.066	/	Pass
		711	50	0	9.069	/	Pass
	16QAM	704	50	0	9.092	/	Pass
		707.5	50	0	9.081	/	Pass
		711	50	0	9.061	/	Pass

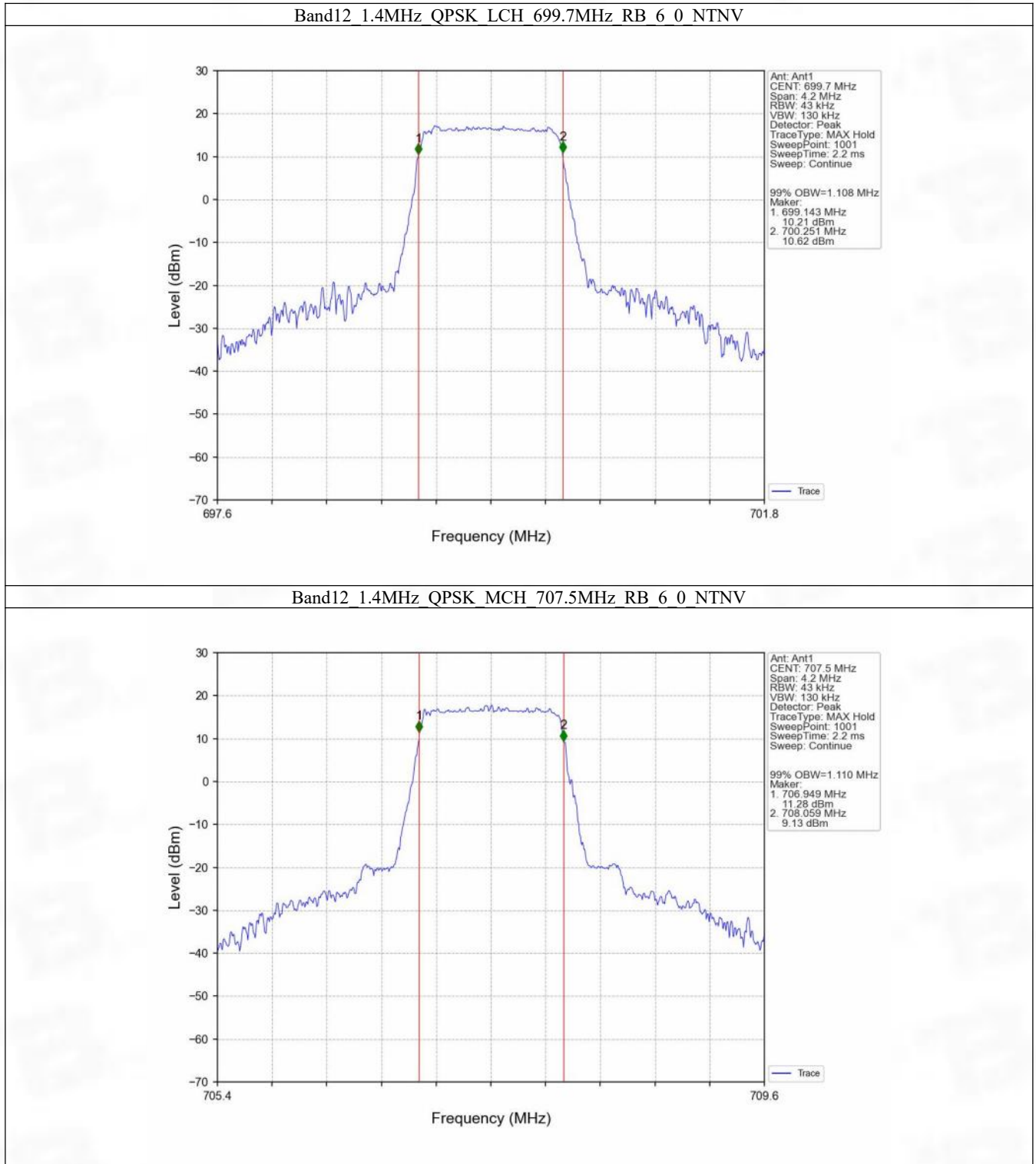
4.1.2 Band12_XDB

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	1.322	/	Pass
		707.5	6	0	1.327	/	Pass
		715.3	6	0	1.312	/	Pass
	16QAM	699.7	6	0	1.324	/	Pass
		707.5	6	0	1.298	/	Pass
		715.3	6	0	1.307	/	Pass
3	QPSK	700.5	15	0	2.995	/	Pass
		707.5	15	0	2.991	/	Pass
		714.5	15	0	2.996	/	Pass
	16QAM	700.5	15	0	3.007	/	Pass
		707.5	15	0	2.979	/	Pass
		714.5	15	0	3.010	/	Pass
5	QPSK	701.5	25	0	5.318	/	Pass
		707.5	25	0	5.231	/	Pass
		713.5	25	0	5.251	/	Pass
	16QAM	701.5	25	0	5.275	/	Pass
		707.5	25	0	5.290	/	Pass
		711	25	0	5.290	/	Pass

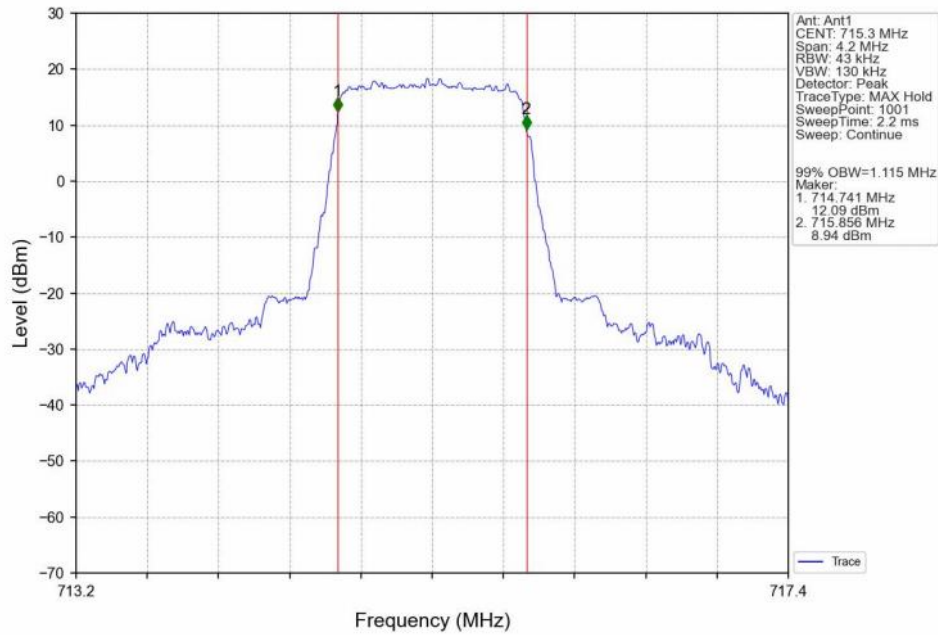
		713.5	25	0	5.241	/	Pass
10	QPSK	704	50	0	10.318	/	Pass
		707.5	50	0	10.366	/	Pass
		711	50	0	10.311	/	Pass
		704	50	0	10.342	/	Pass
	16QAM	707.5	50	0	10.354	/	Pass
		711	50	0	10.244	/	Pass

4.2 Test Graph

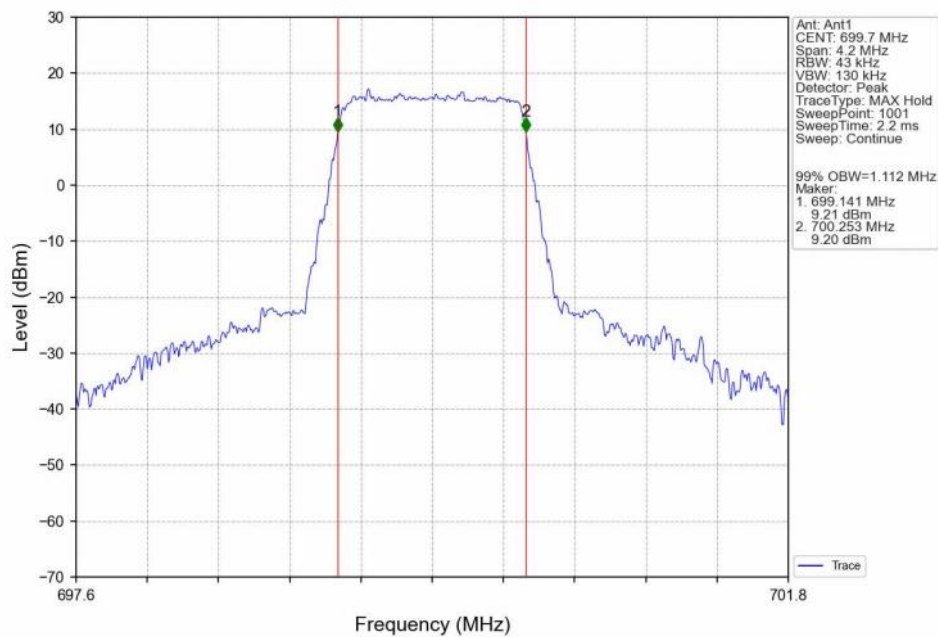
4.2.1 Band12_OBW



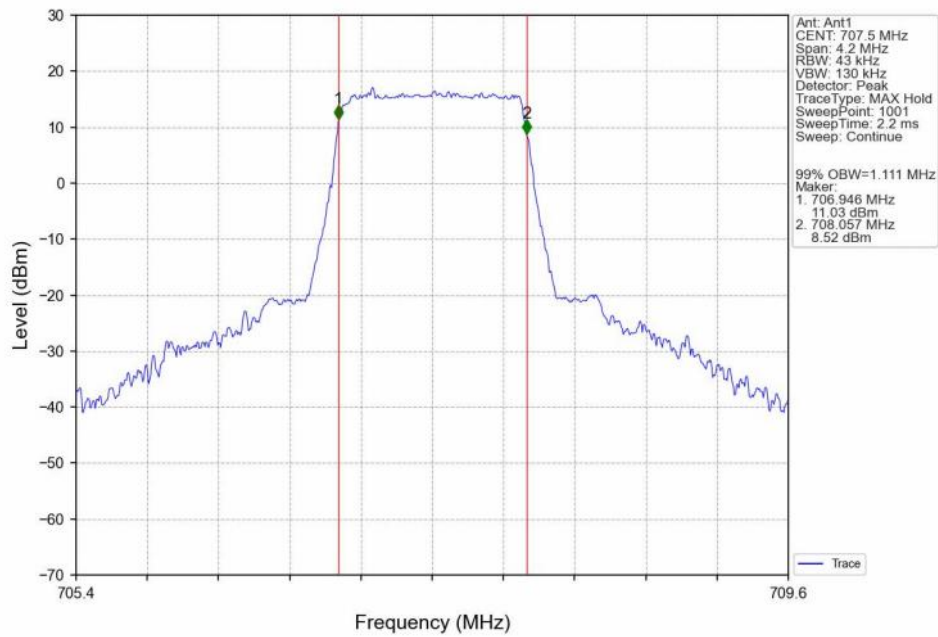
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



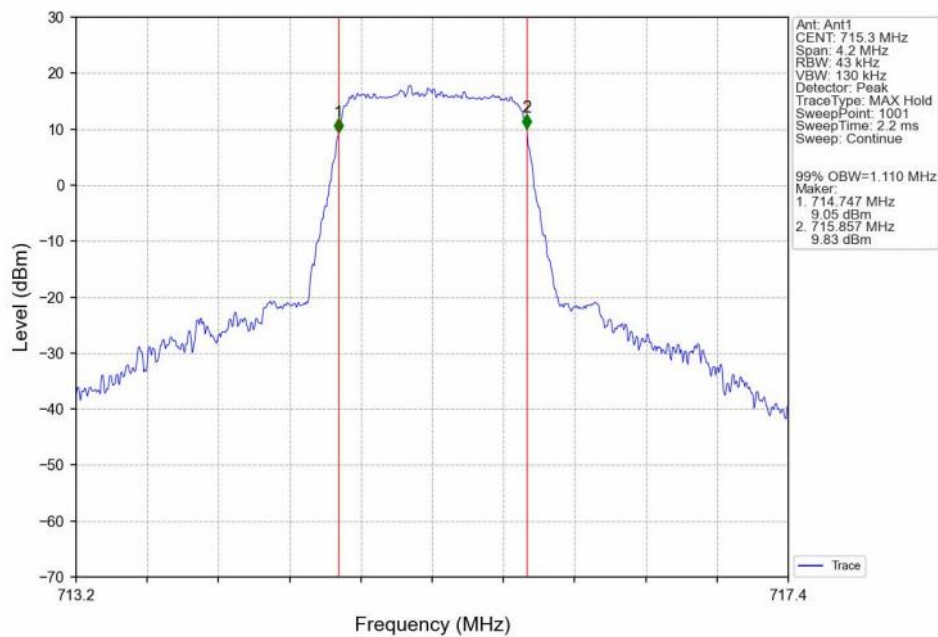
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



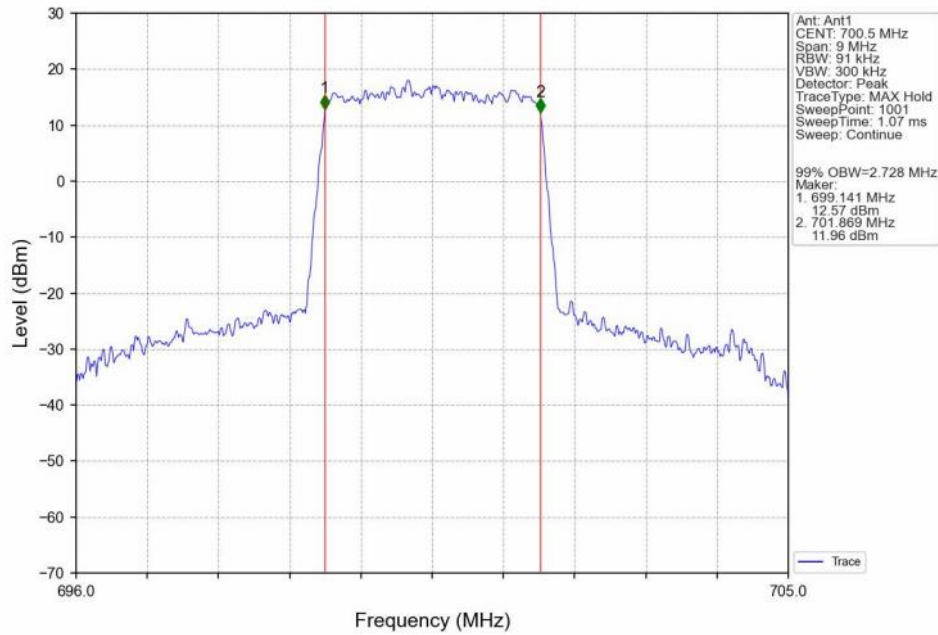
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



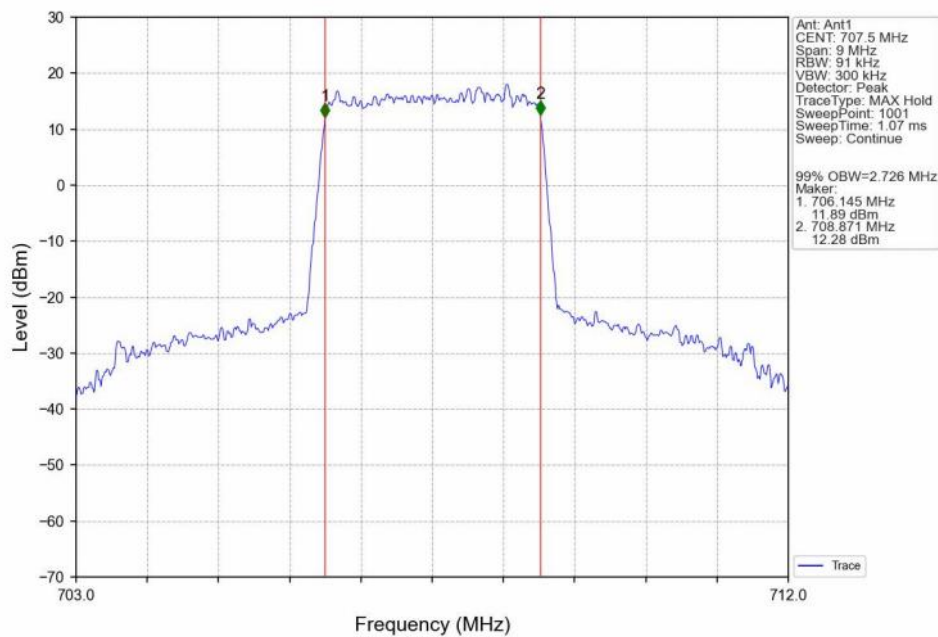
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



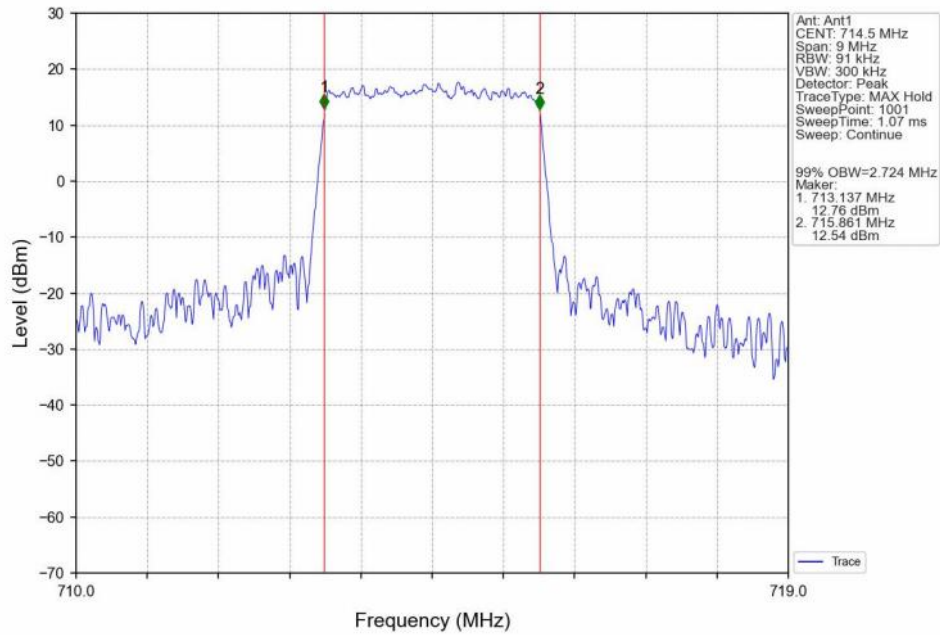
Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV



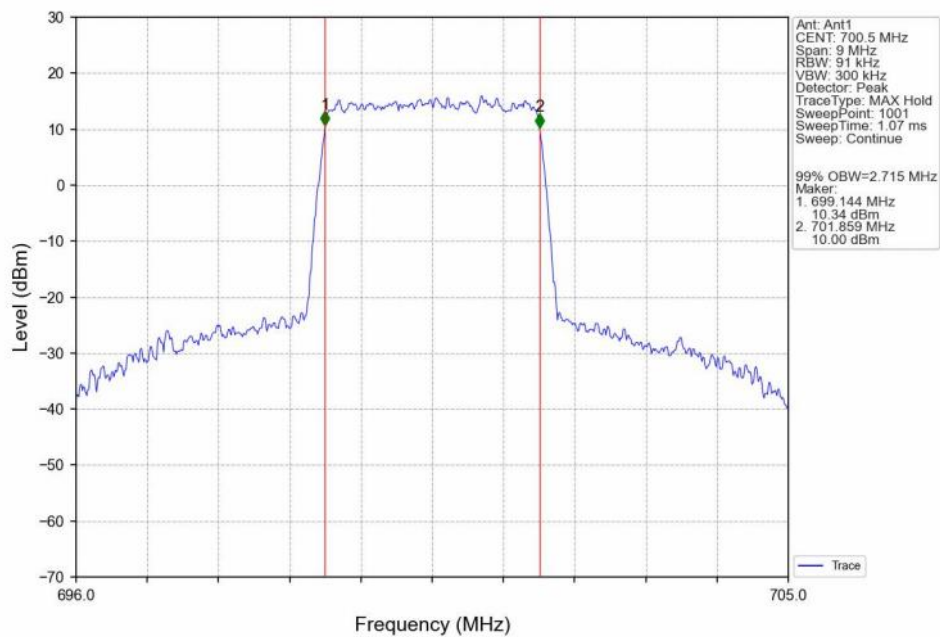
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTNV



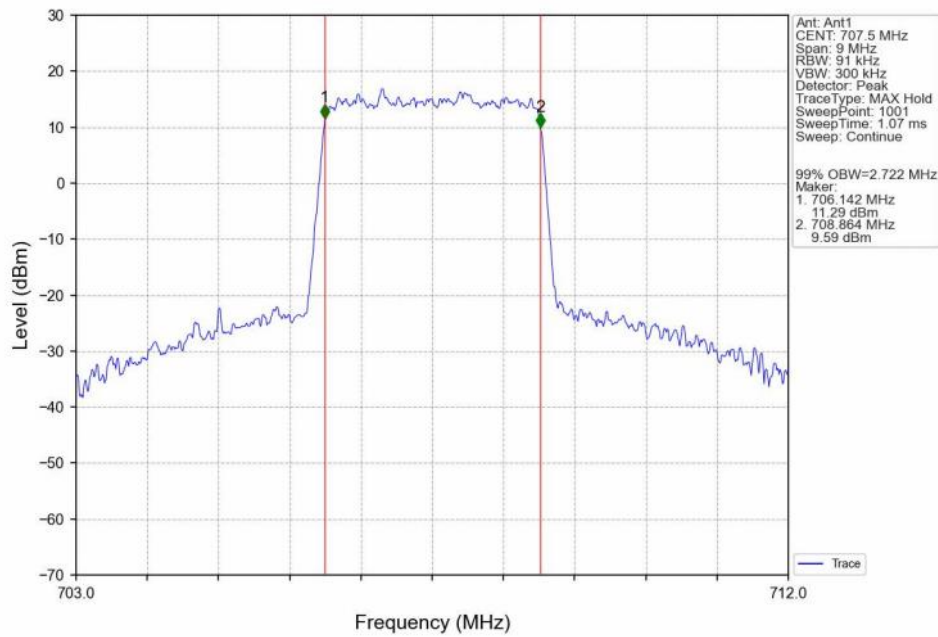
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



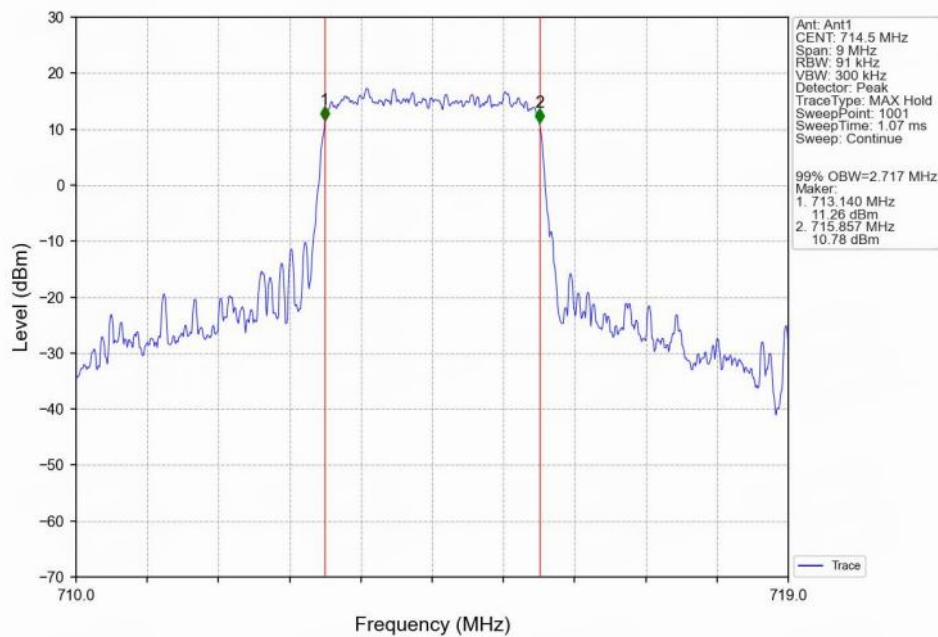
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



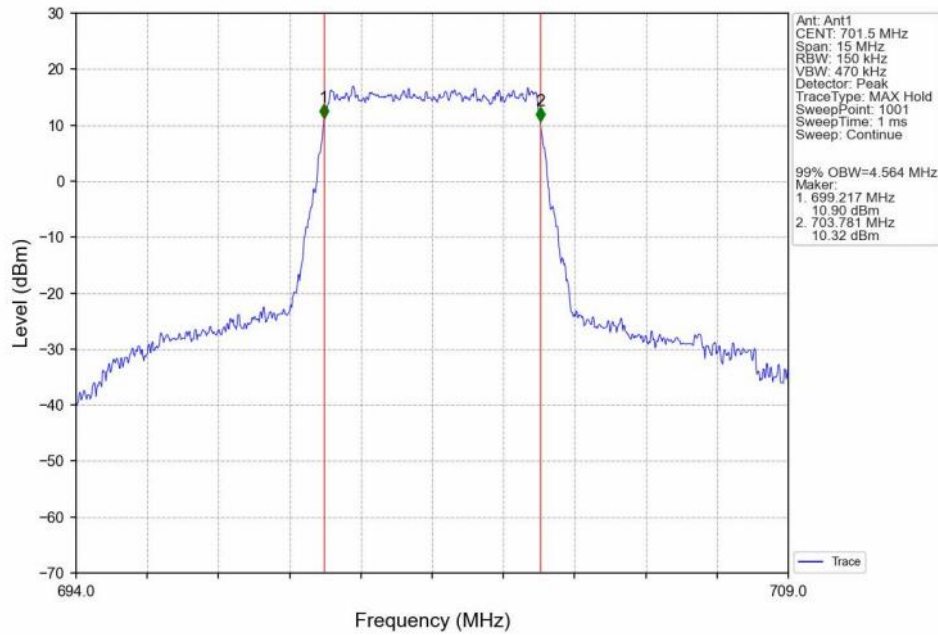
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



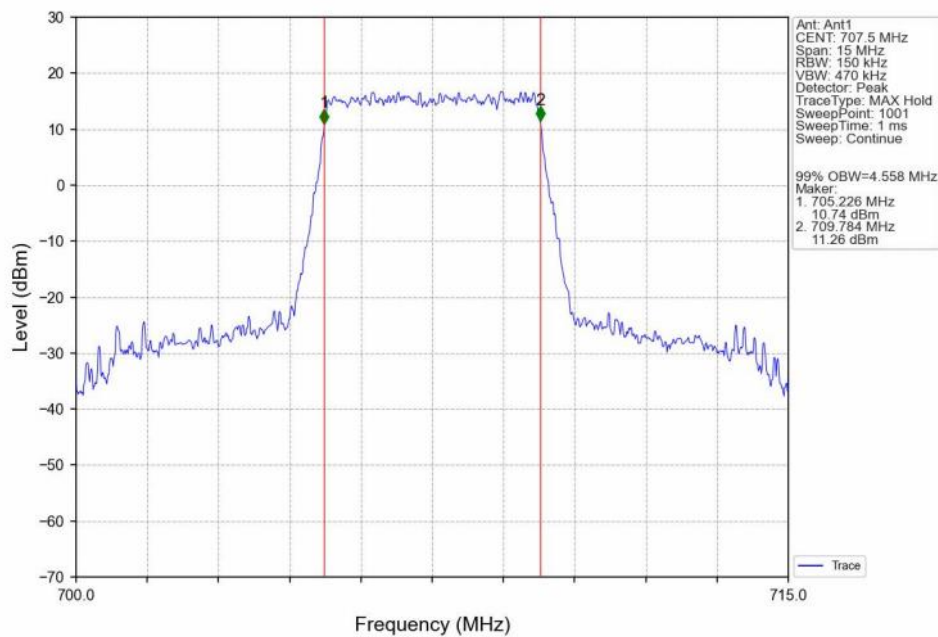
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



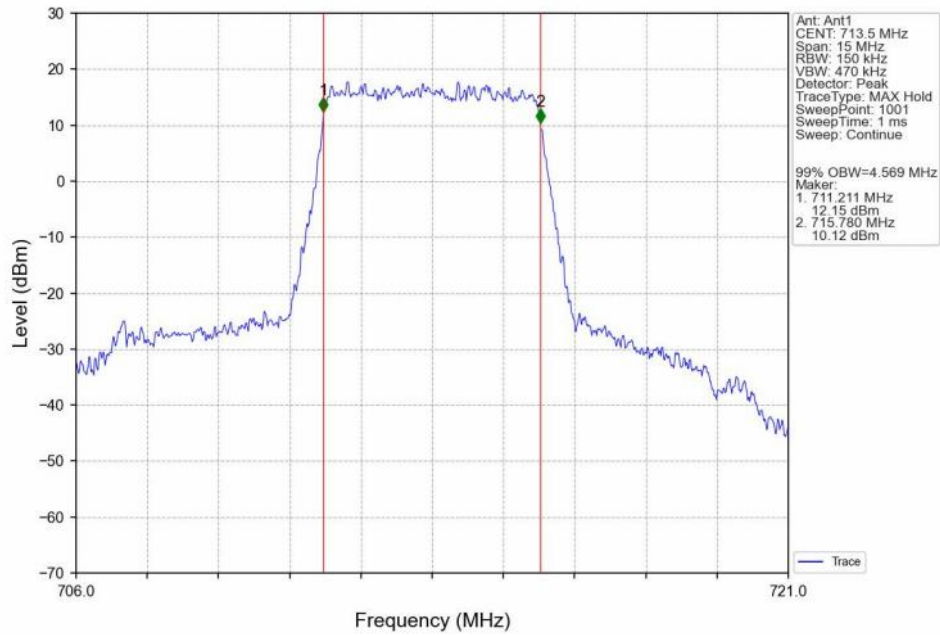
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



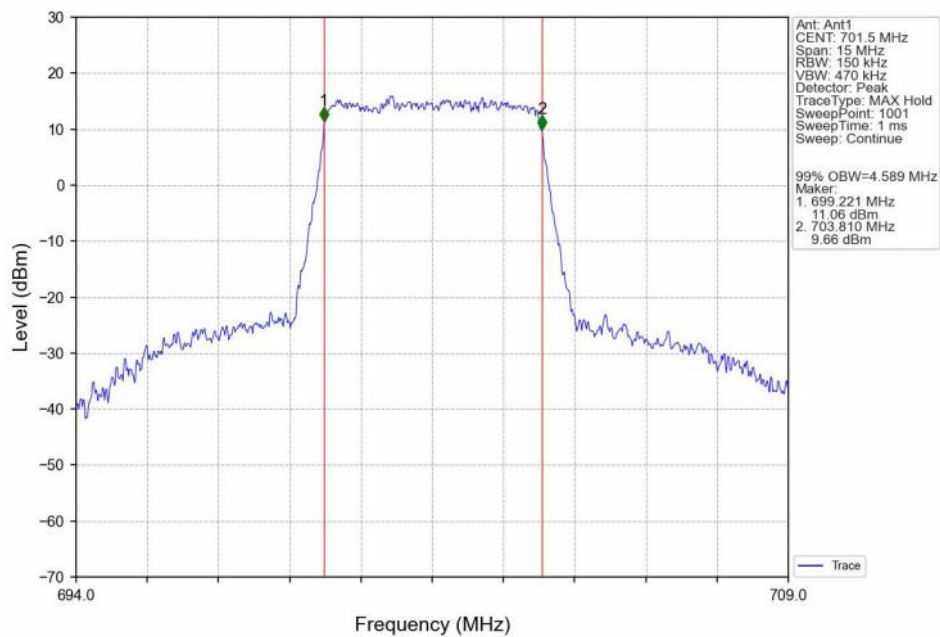
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



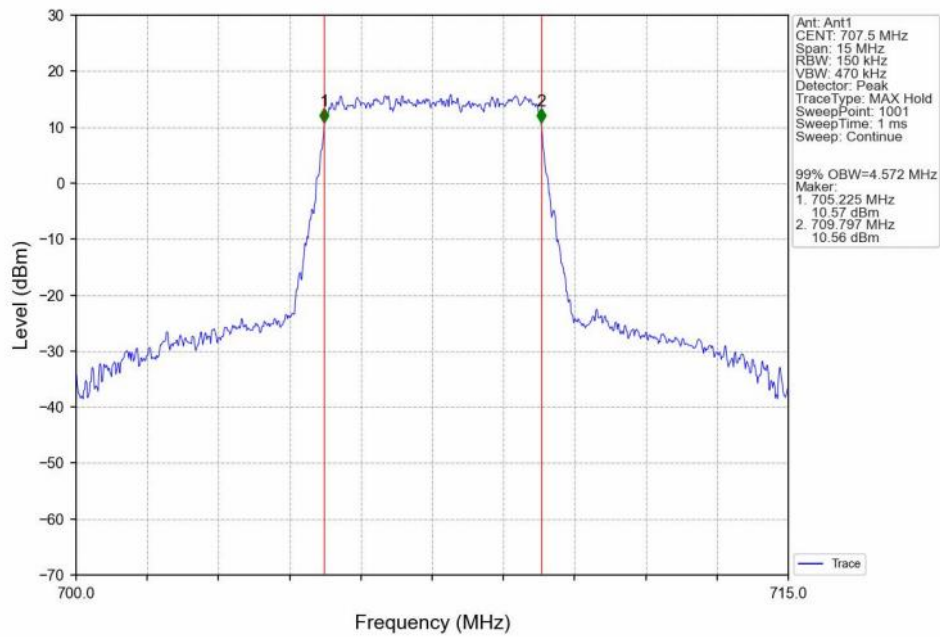
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



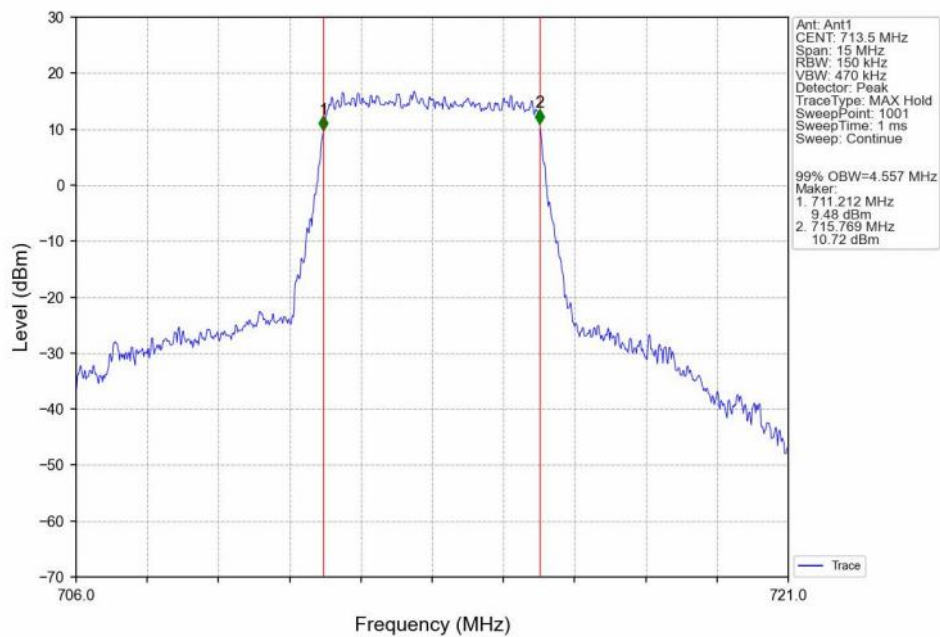
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



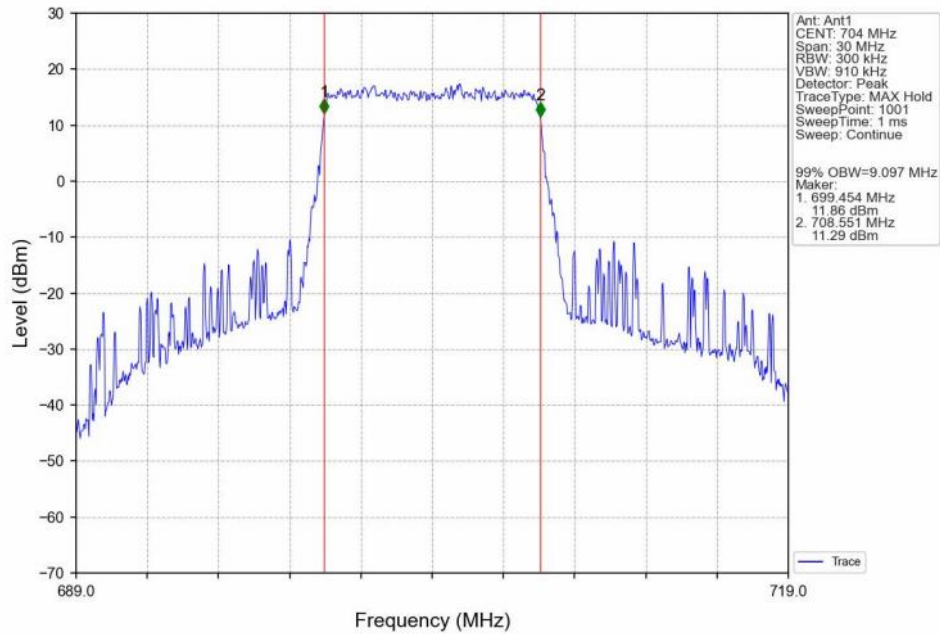
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



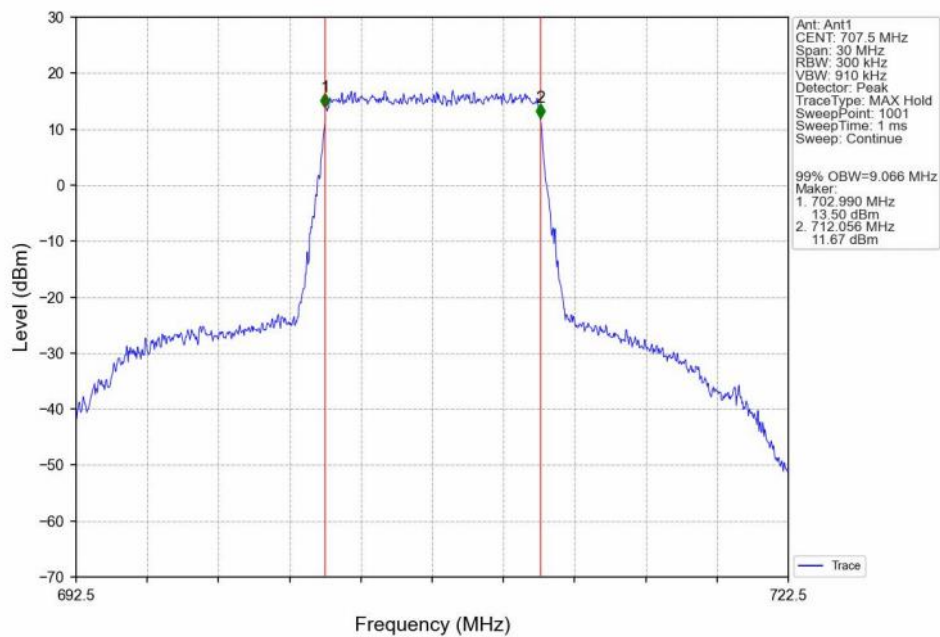
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



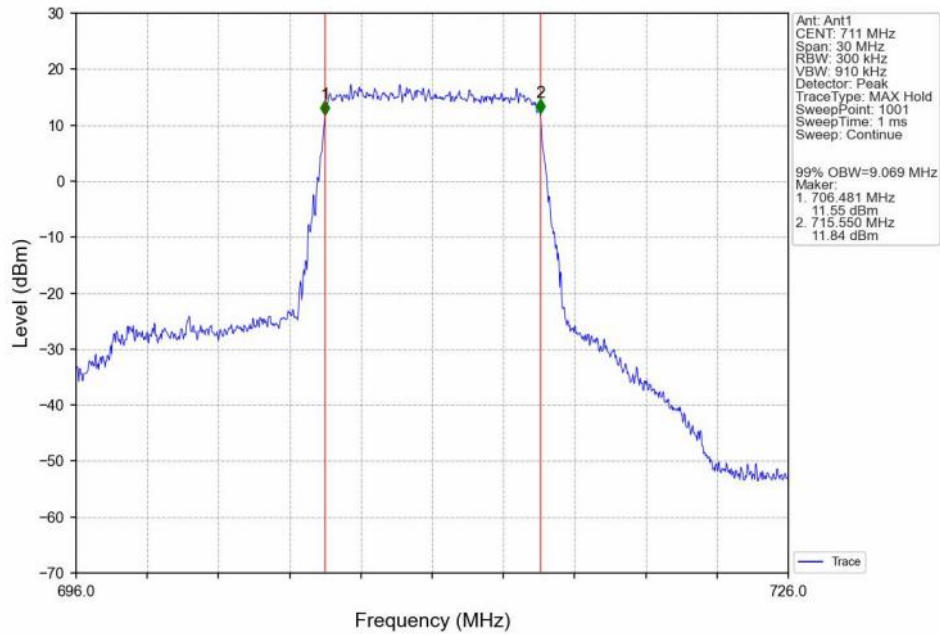
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTNV



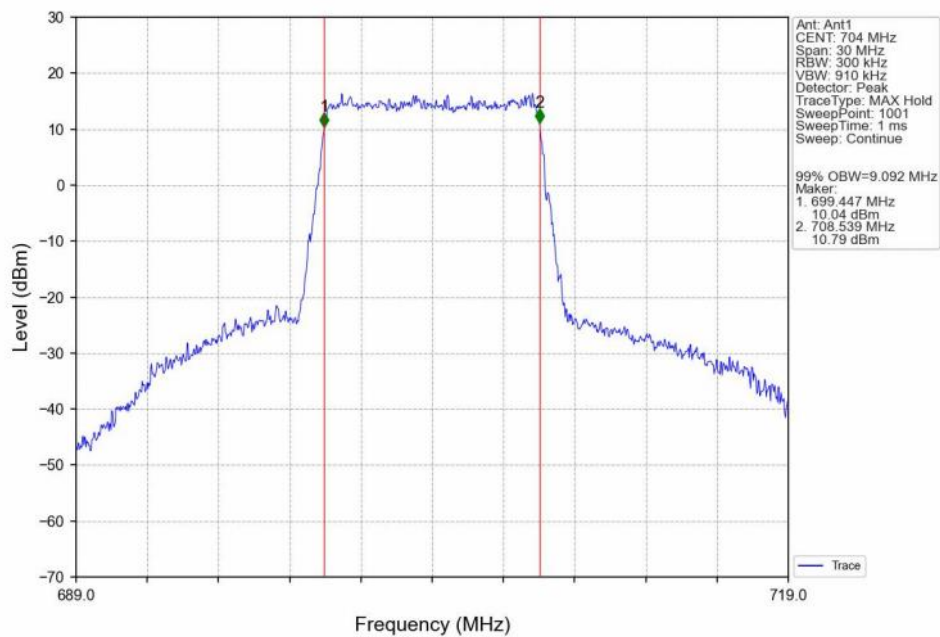
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTNV



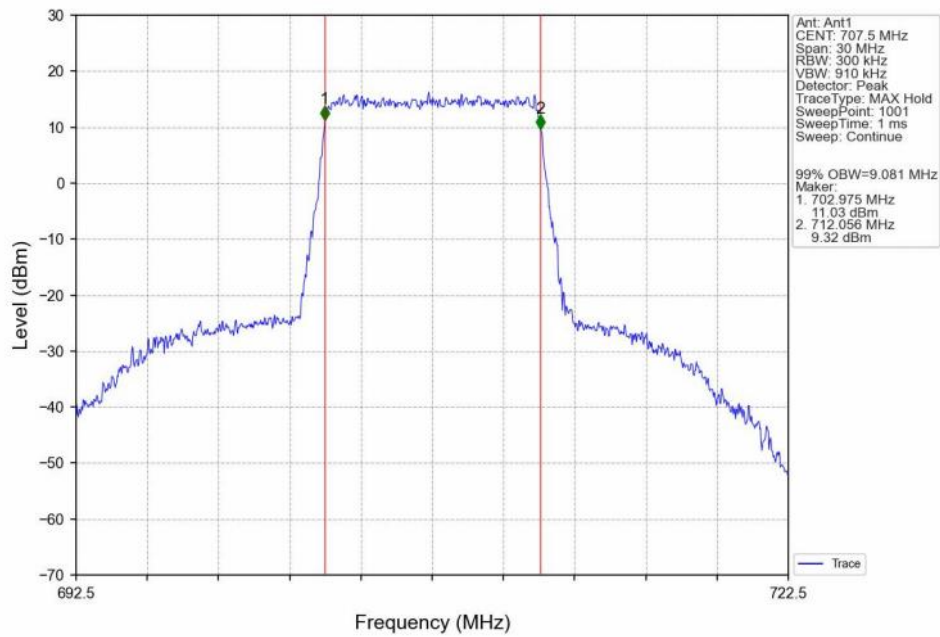
Band12 10MHz QPSK HCH 711MHz RB 50 0 NTNV



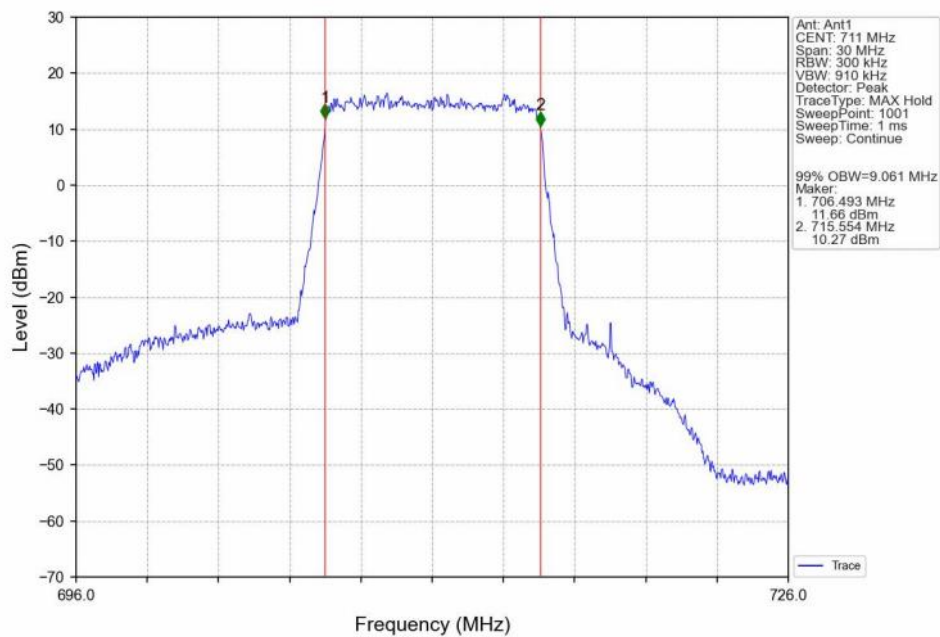
Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTNV



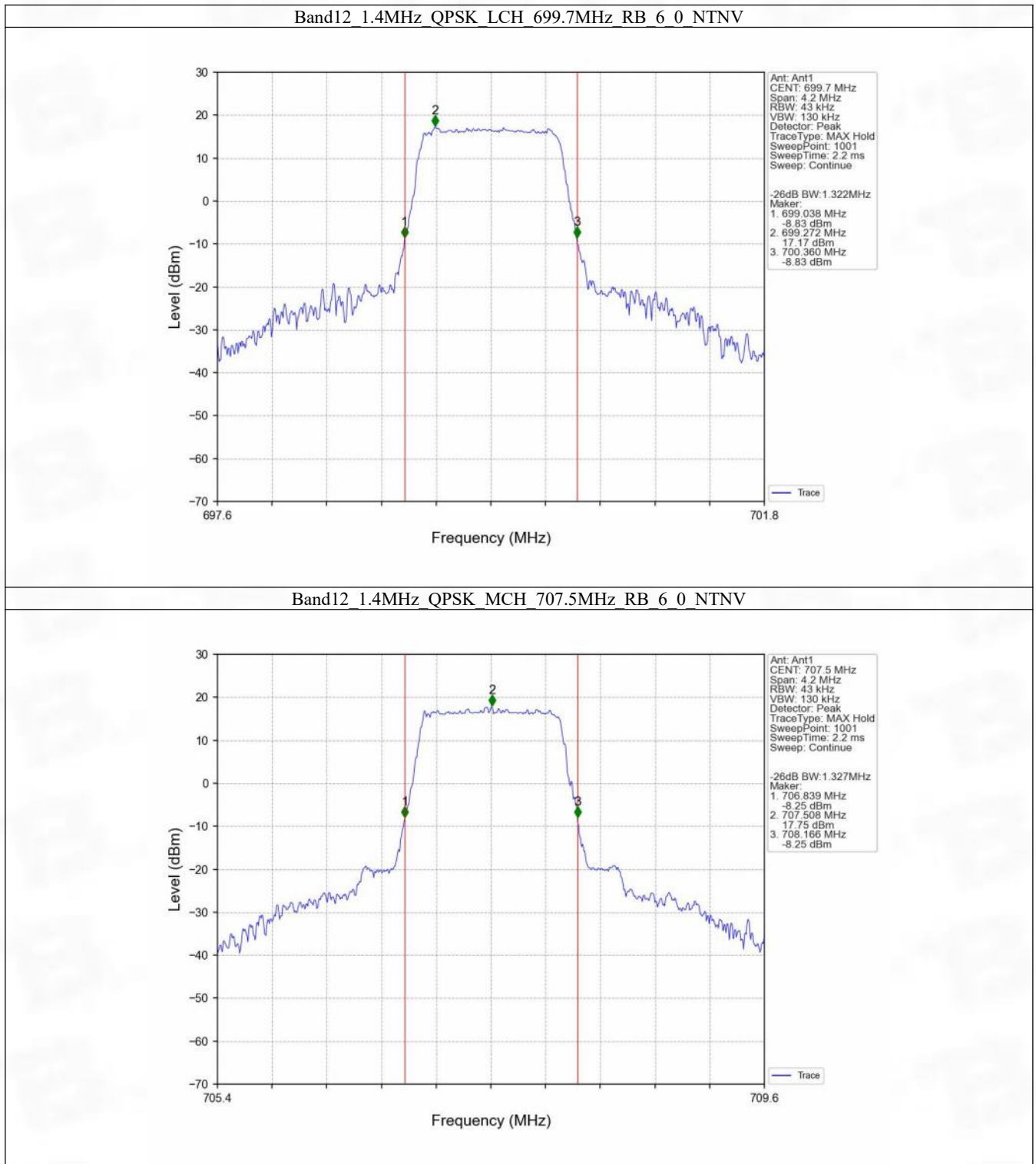
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



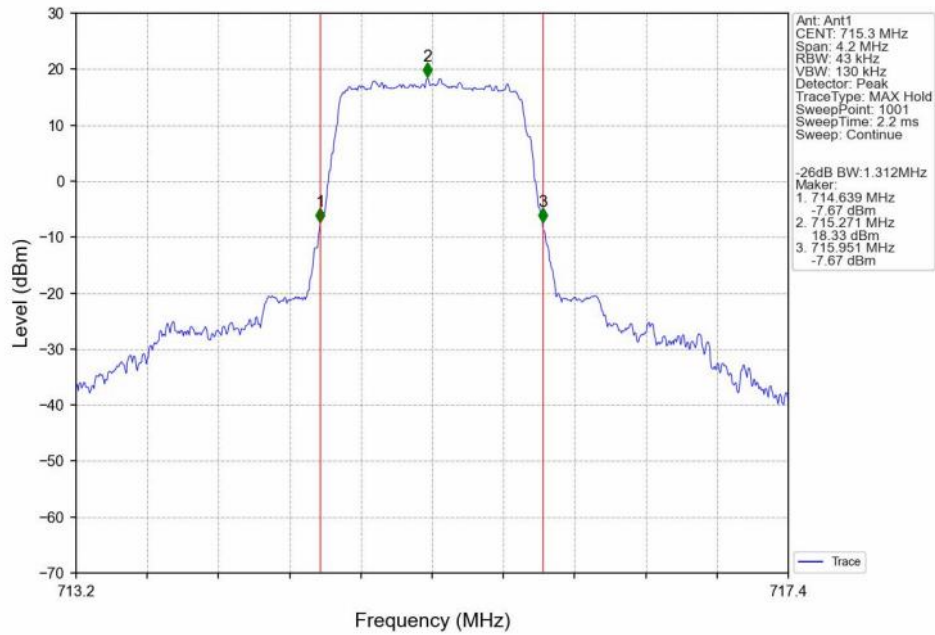
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



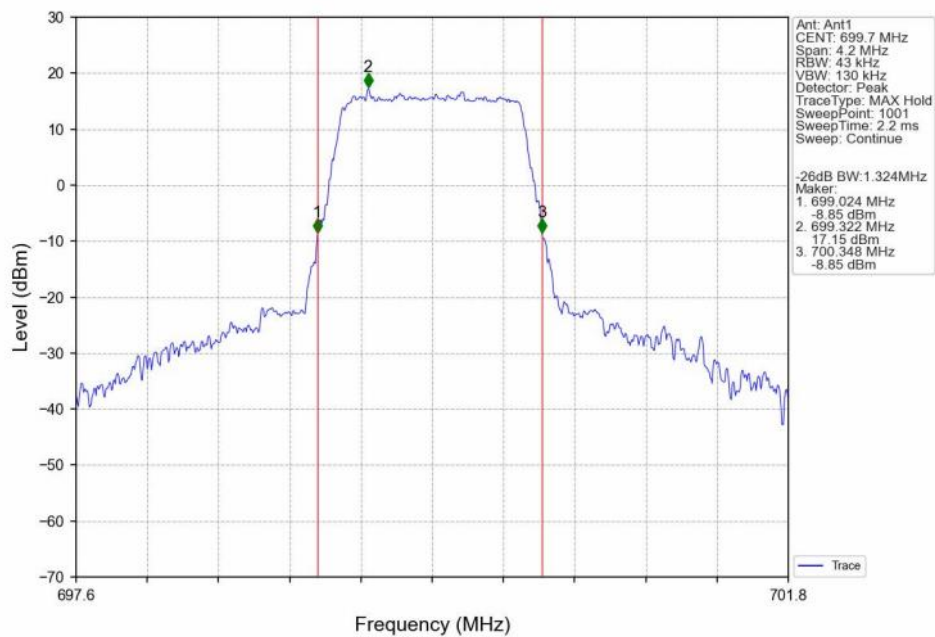
4.2.2 Band12_XDB



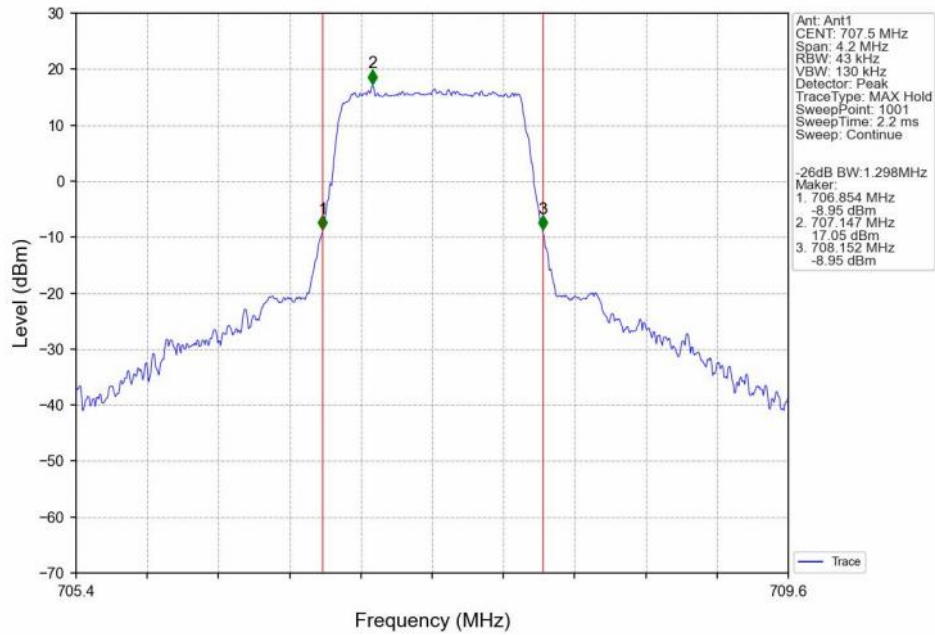
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



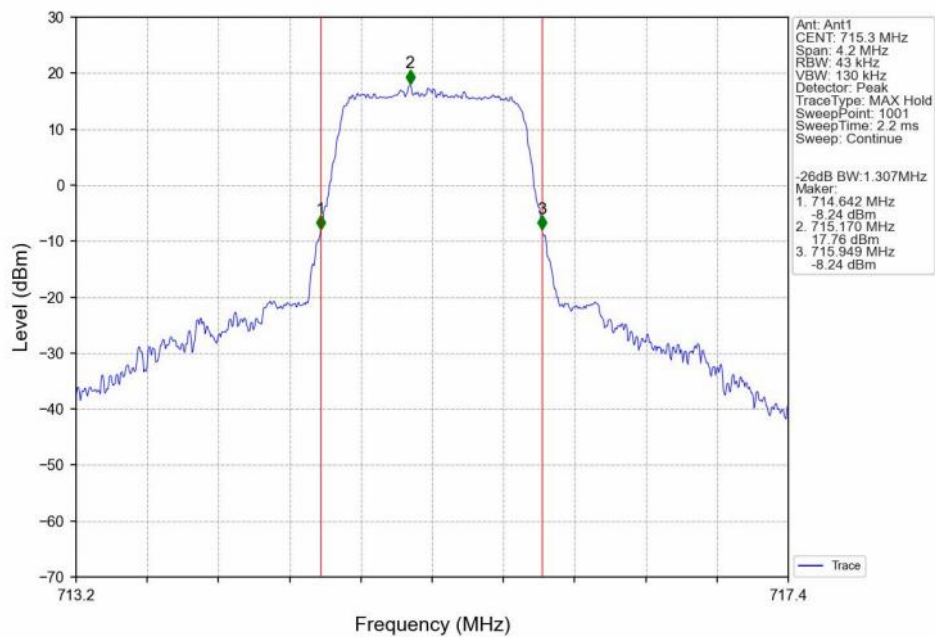
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



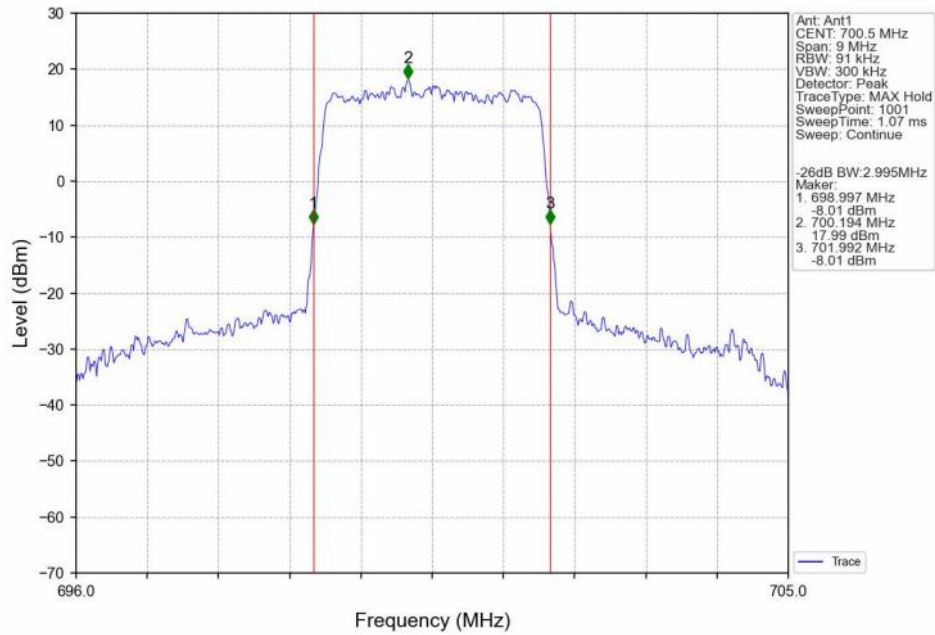
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



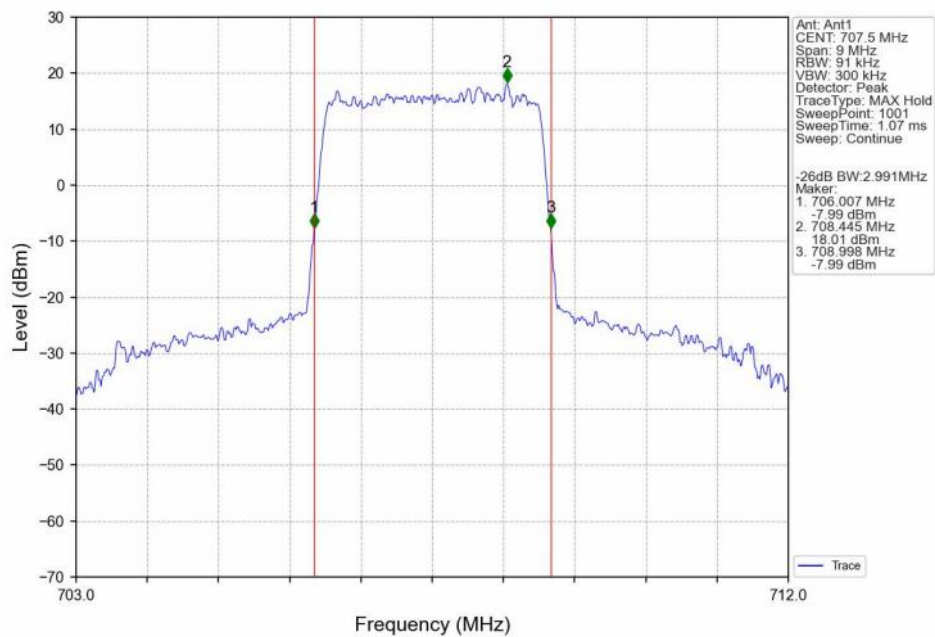
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



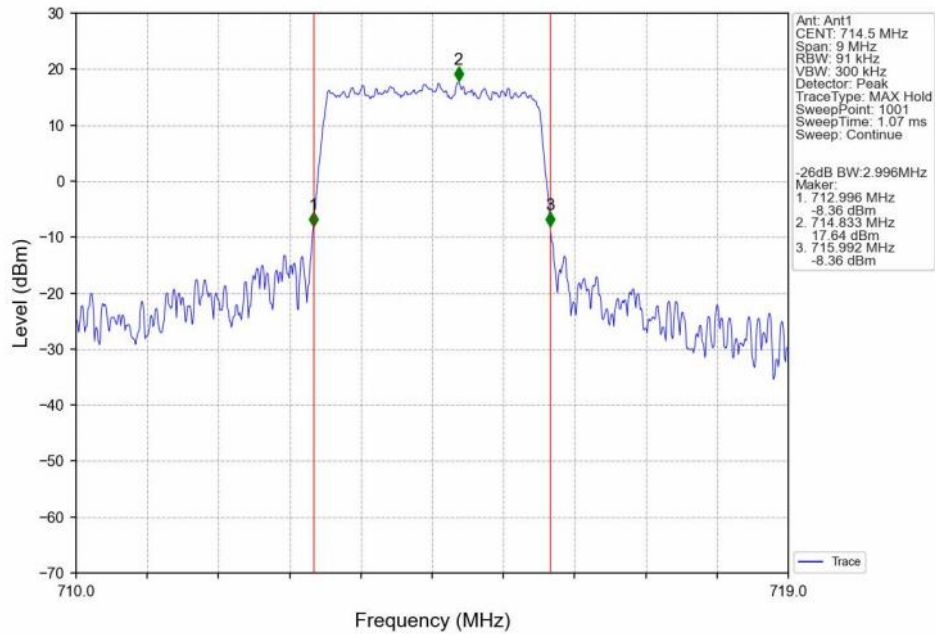
Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV



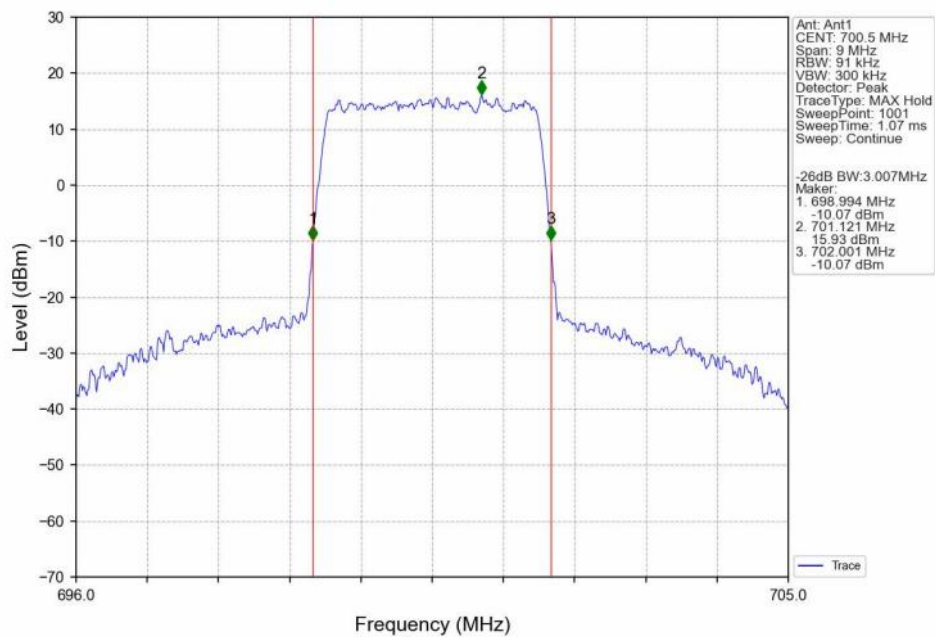
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTNV



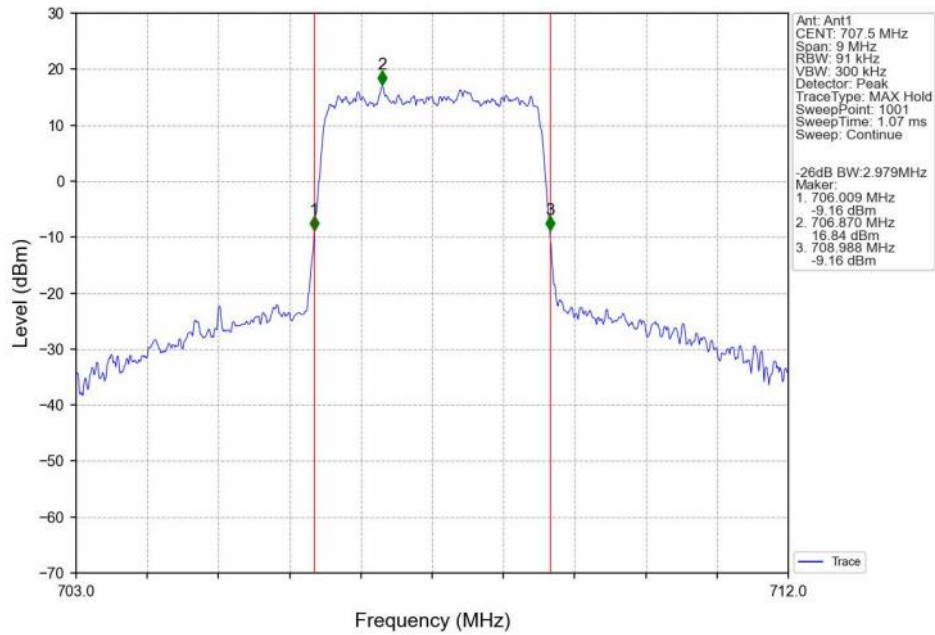
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



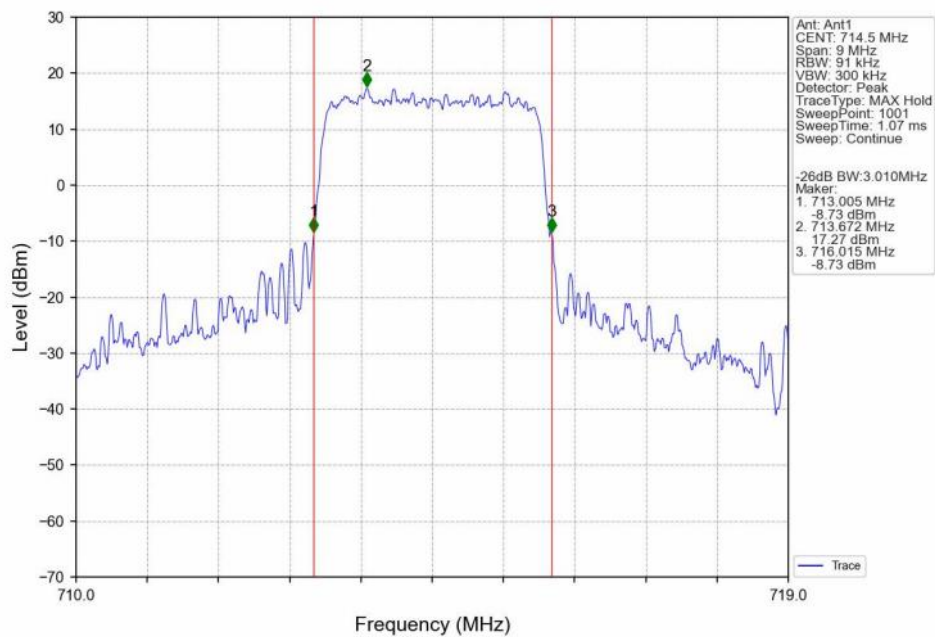
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



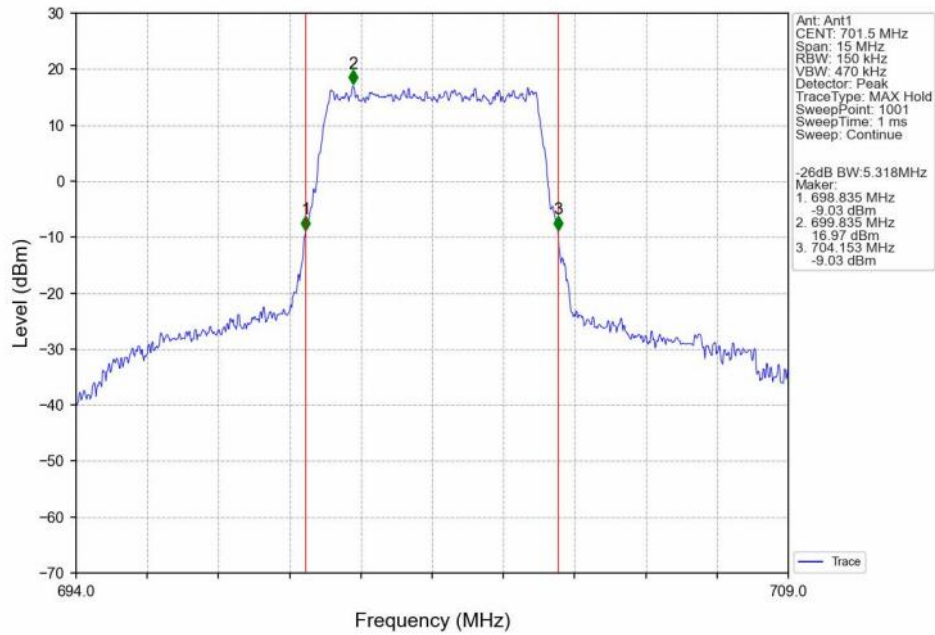
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



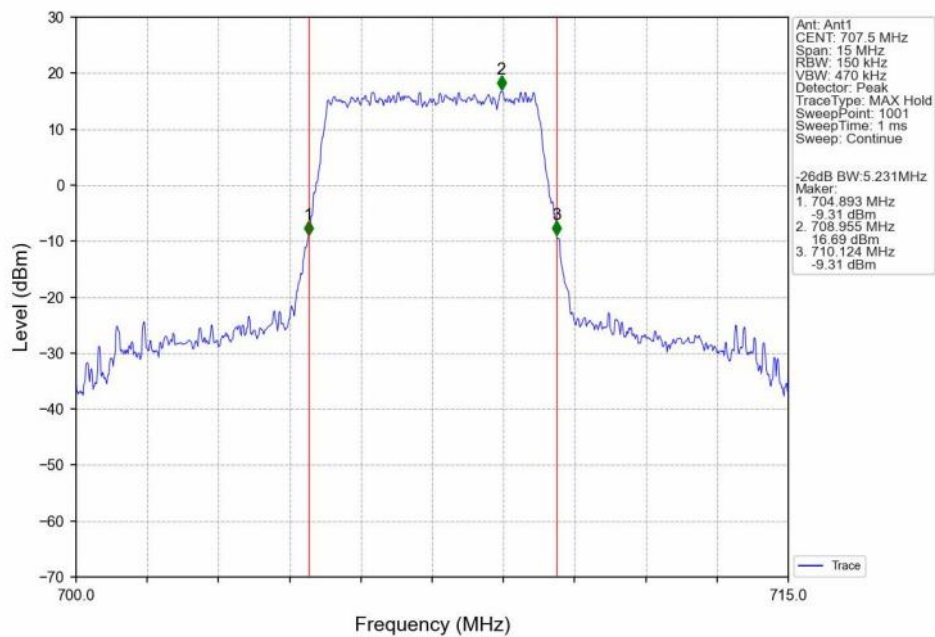
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



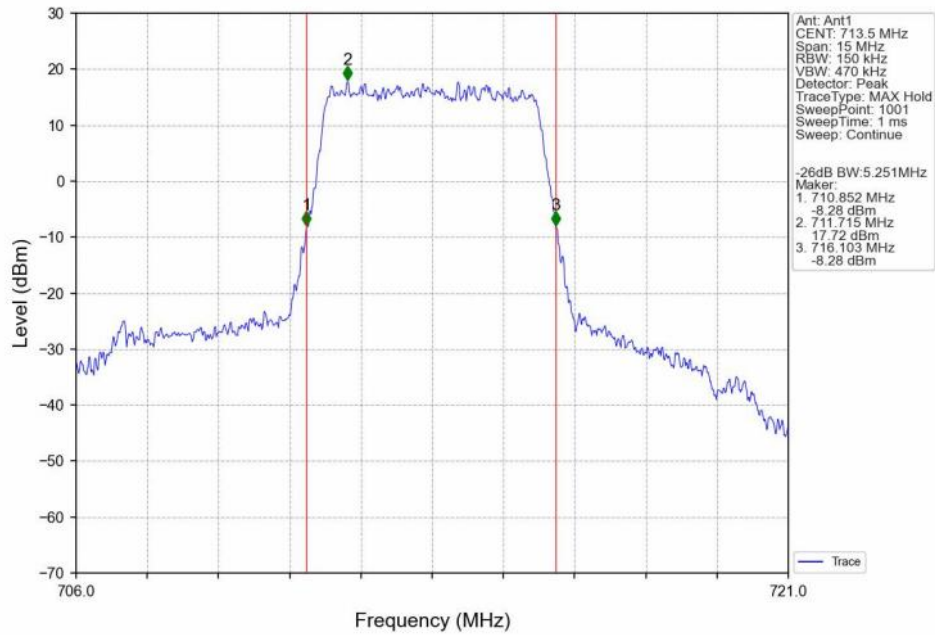
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



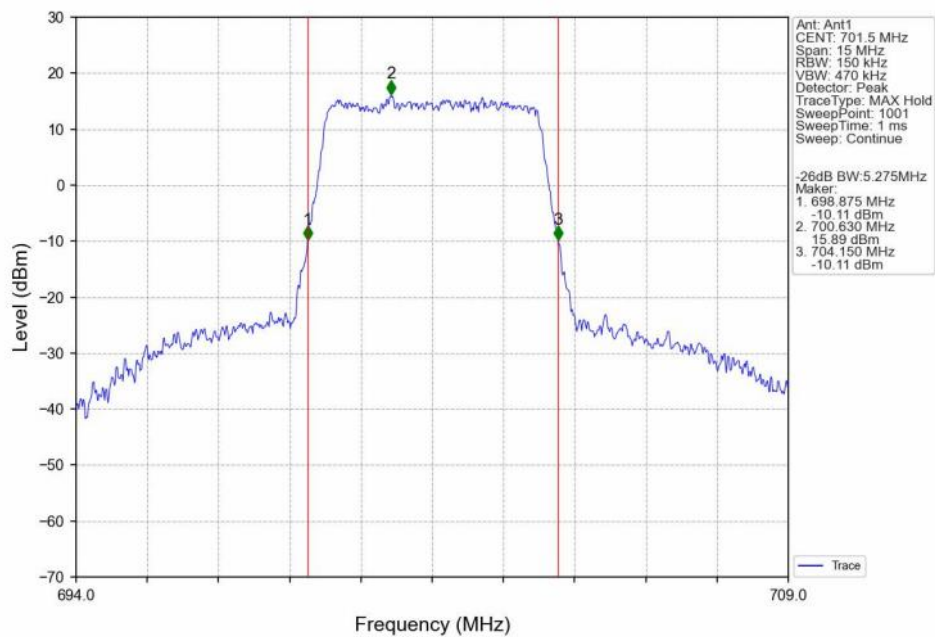
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



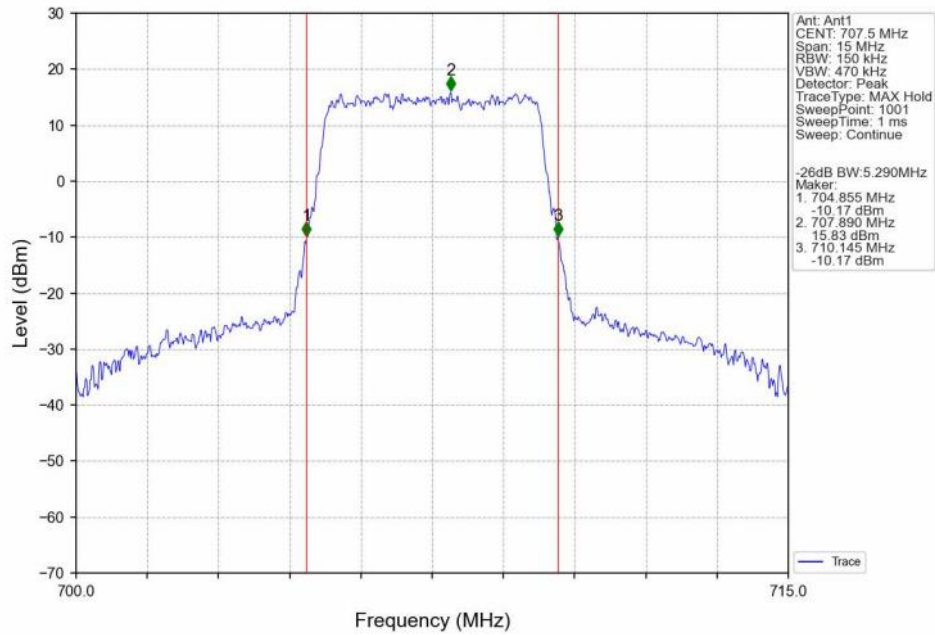
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



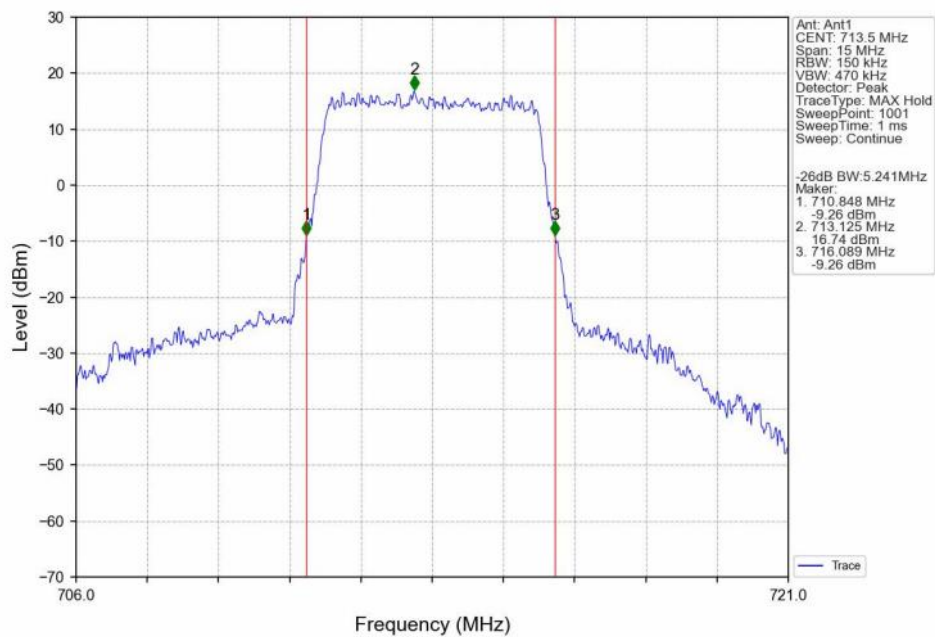
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



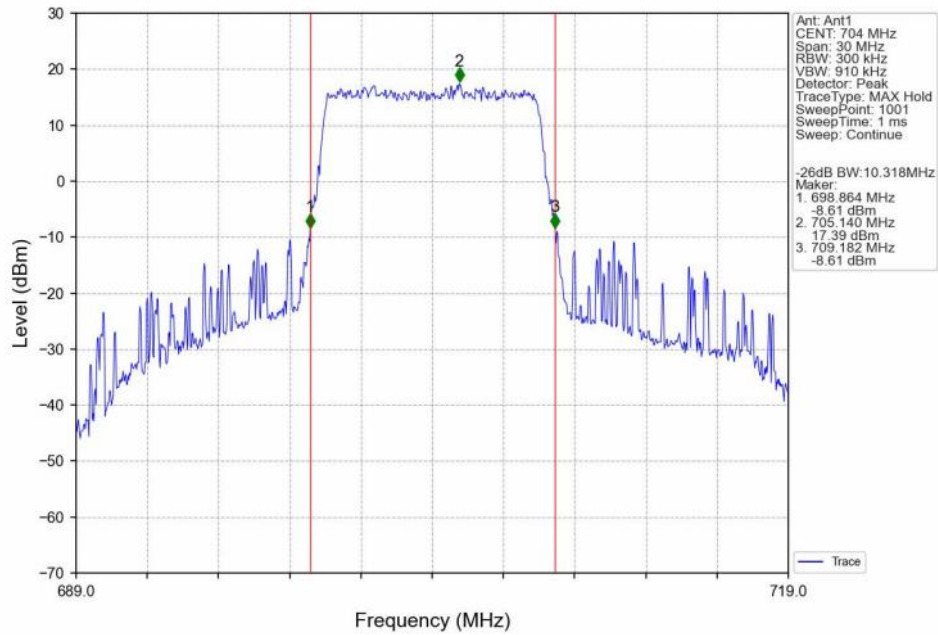
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



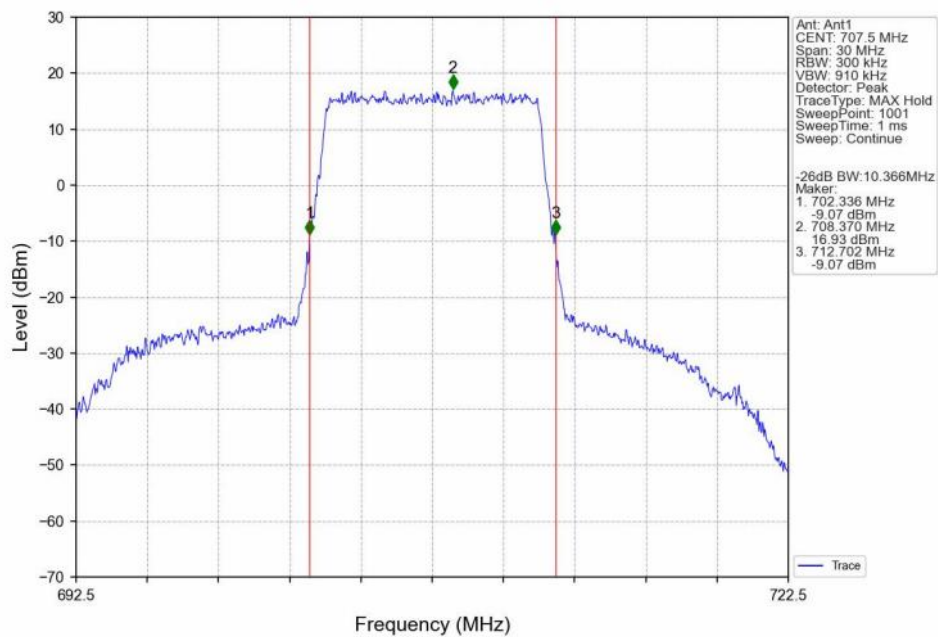
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



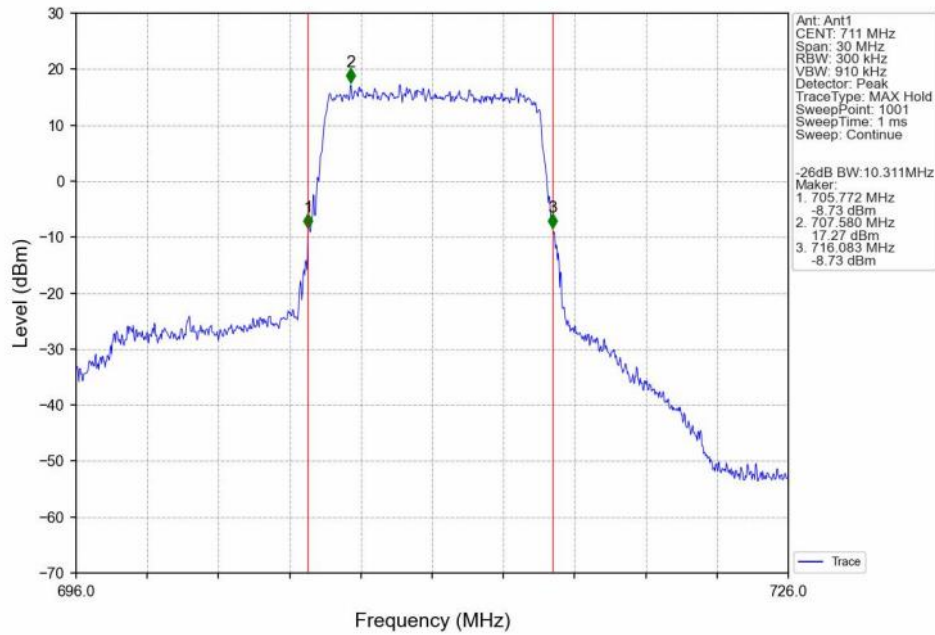
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTNV



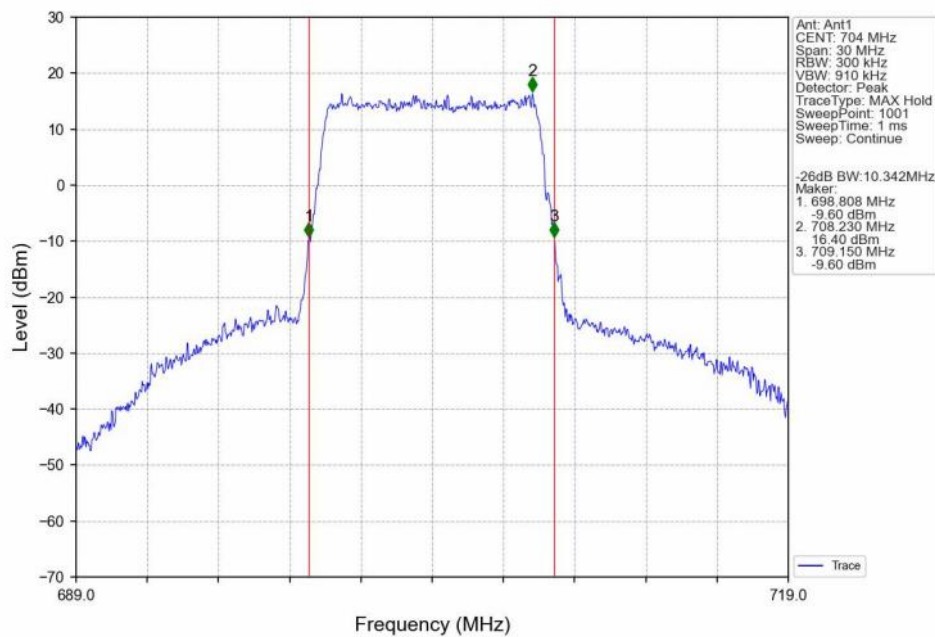
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTNV



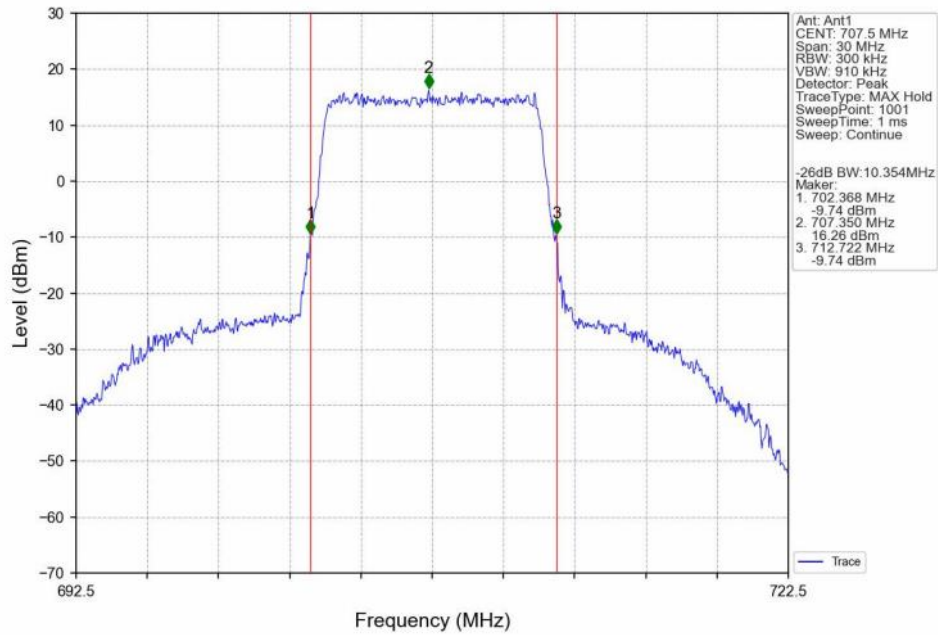
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



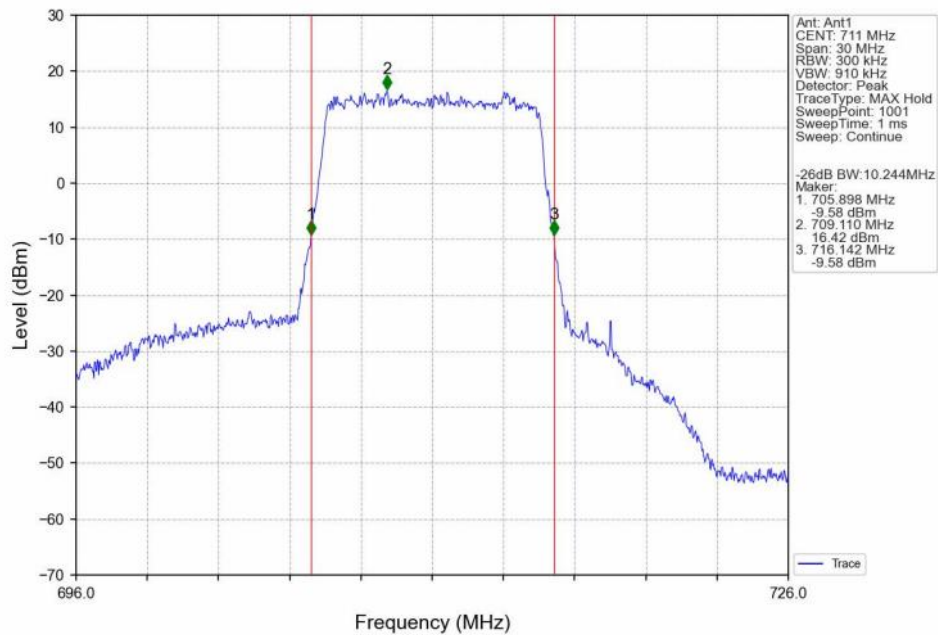
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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	5.40	≤ 13	Pass
	707.5	6	0	5.57	≤ 13	Pass
	715.3	6	0	5.27	≤ 13	Pass
16QAM	699.7	6	0	6.16	≤ 13	Pass
	707.5	6	0	6.33	≤ 13	Pass
	715.3	6	0	6.11	≤ 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	5.53	≤ 13	Pass
	707.5	15	0	5.55	≤ 13	Pass
	714.5	15	0	5.45	≤ 13	Pass
16QAM	700.5	15	0	6.32	≤ 13	Pass
	707.5	15	0	6.38	≤ 13	Pass
	714.5	15	0	6.27	≤ 13	Pass

5.1.3 B12_5MHz

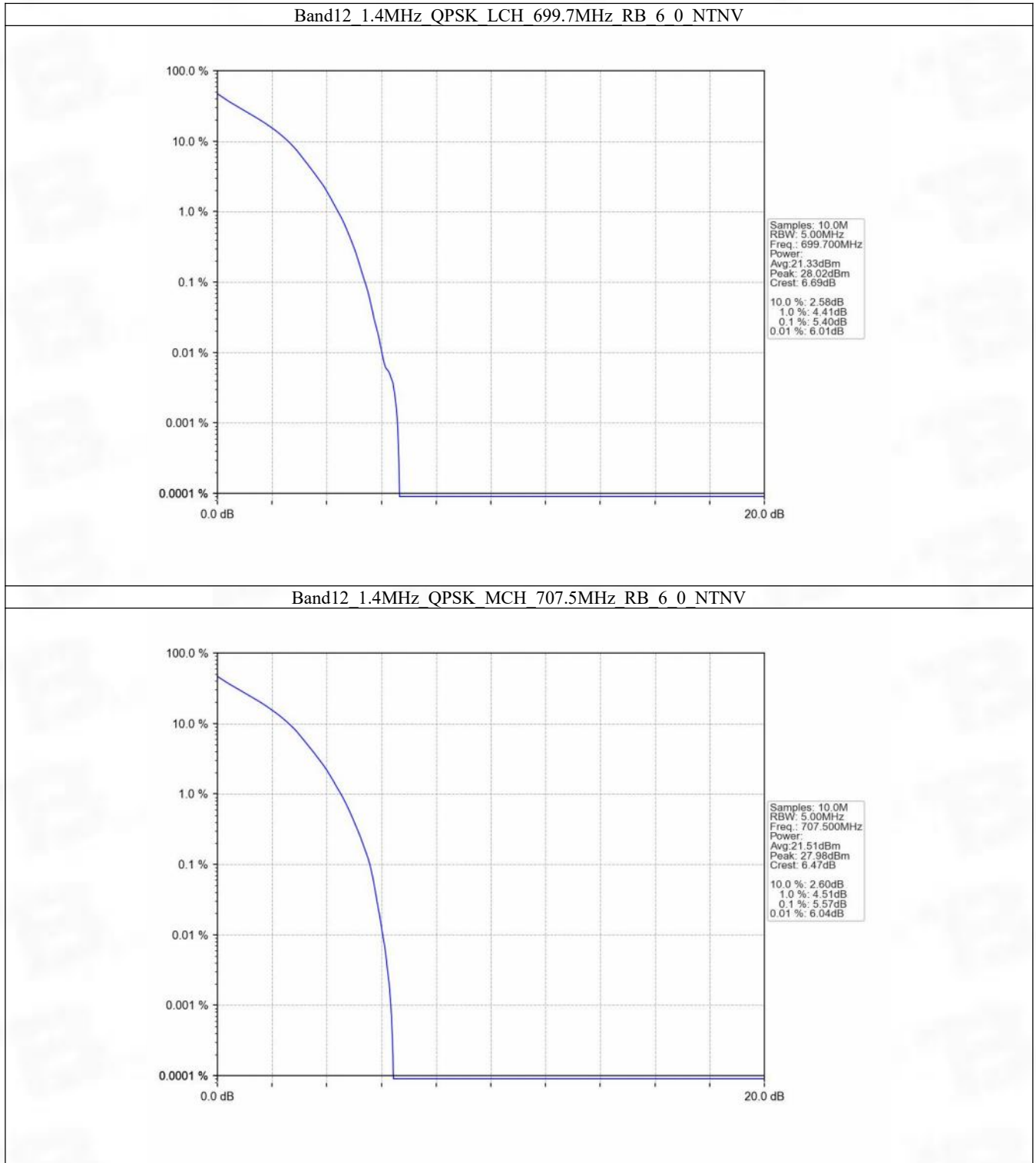
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.68	≤ 13	Pass
	707.5	25	0	5.74	≤ 13	Pass
	713.5	25	0	5.63	≤ 13	Pass
16QAM	701.5	25	0	6.39	≤ 13	Pass
	707.5	25	0	6.41	≤ 13	Pass
	713.5	25	0	6.29	≤ 13	Pass

5.1.4 B12_10MHz

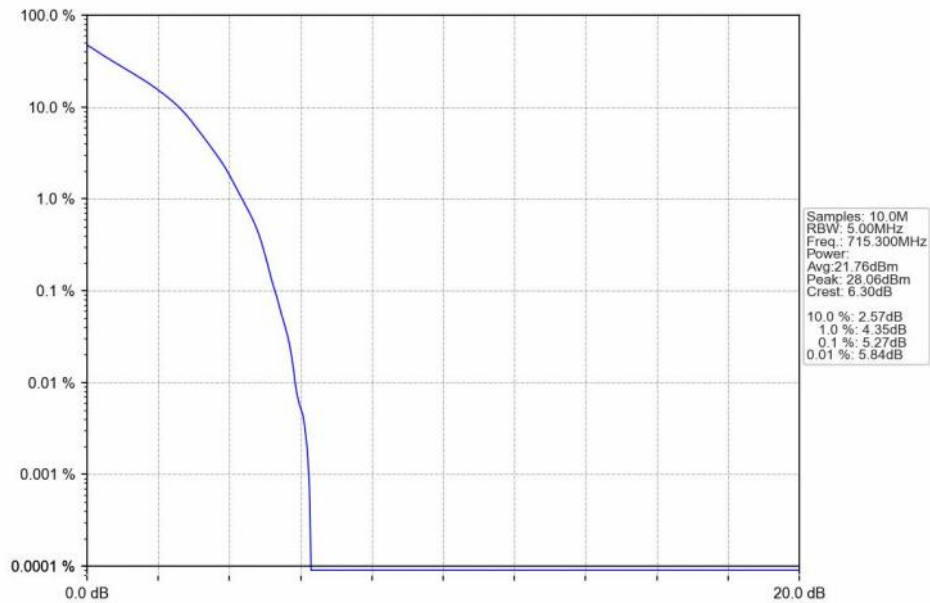
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.66	≤ 13	Pass
	707.5	50	0	5.68	≤ 13	Pass
	711	50	0	5.62	≤ 13	Pass
16QAM	704	50	0	6.41	≤ 13	Pass
	707.5	50	0	6.43	≤ 13	Pass
	711	50	0	6.34	≤ 13	Pass

5.2 Test Graph

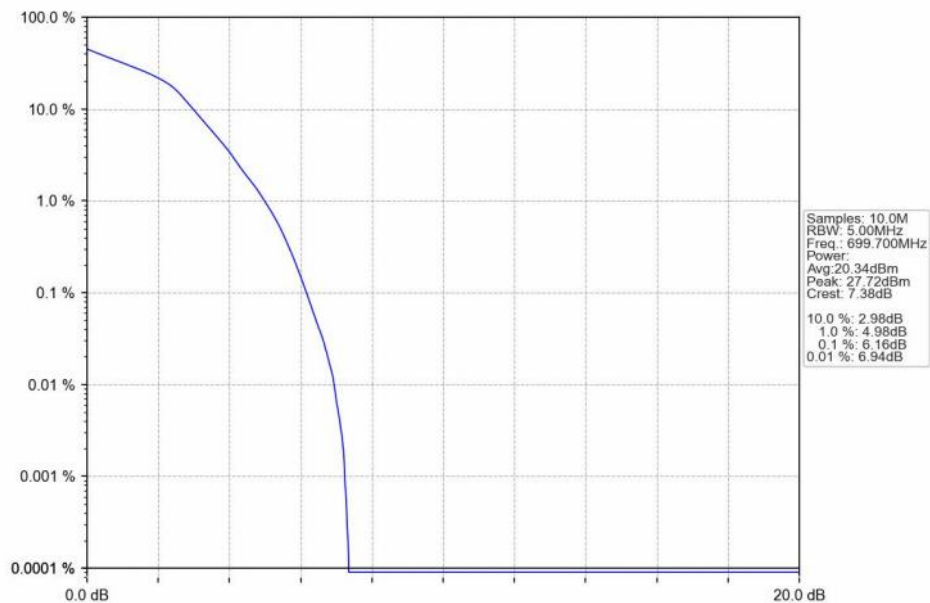
5.2.1 B12_1.4MHz



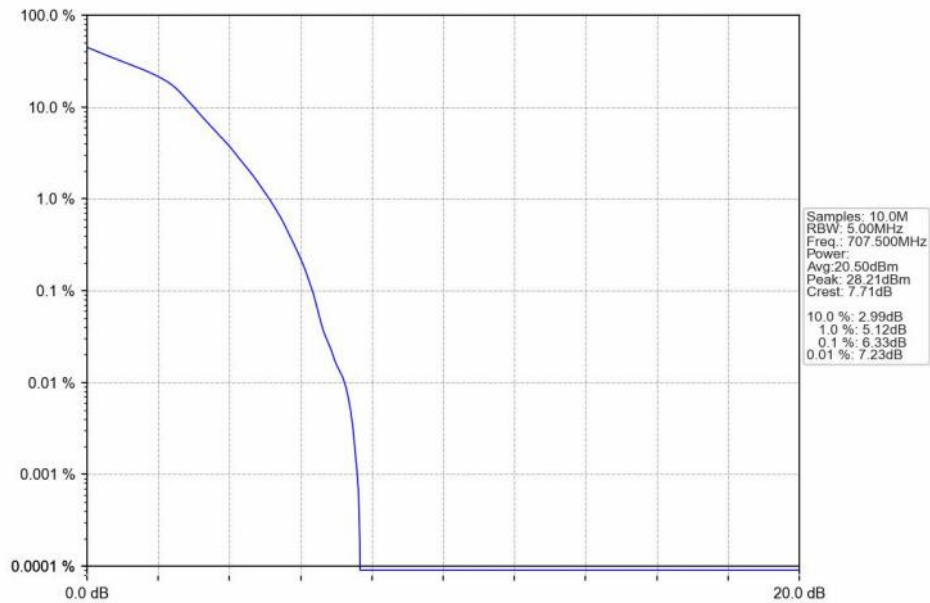
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



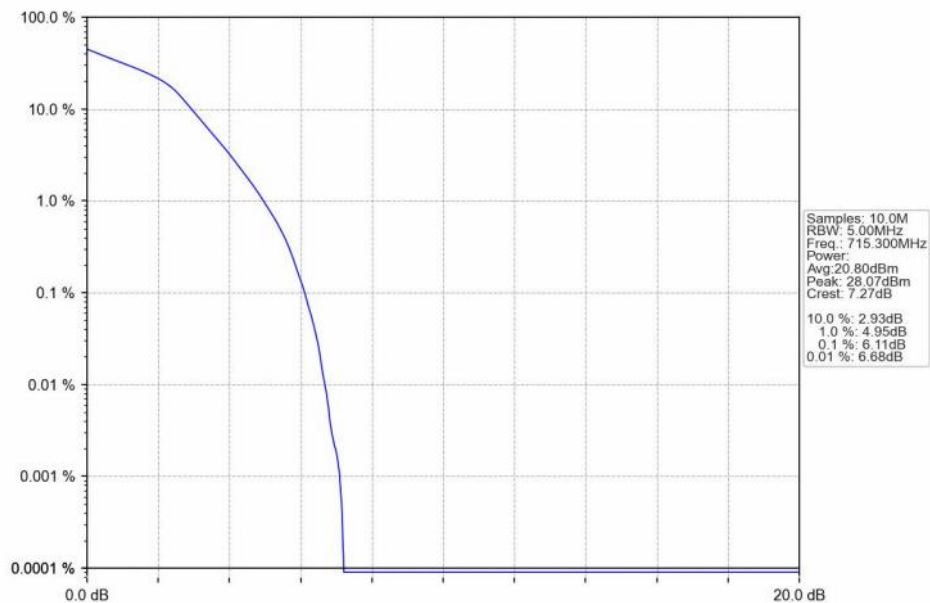
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



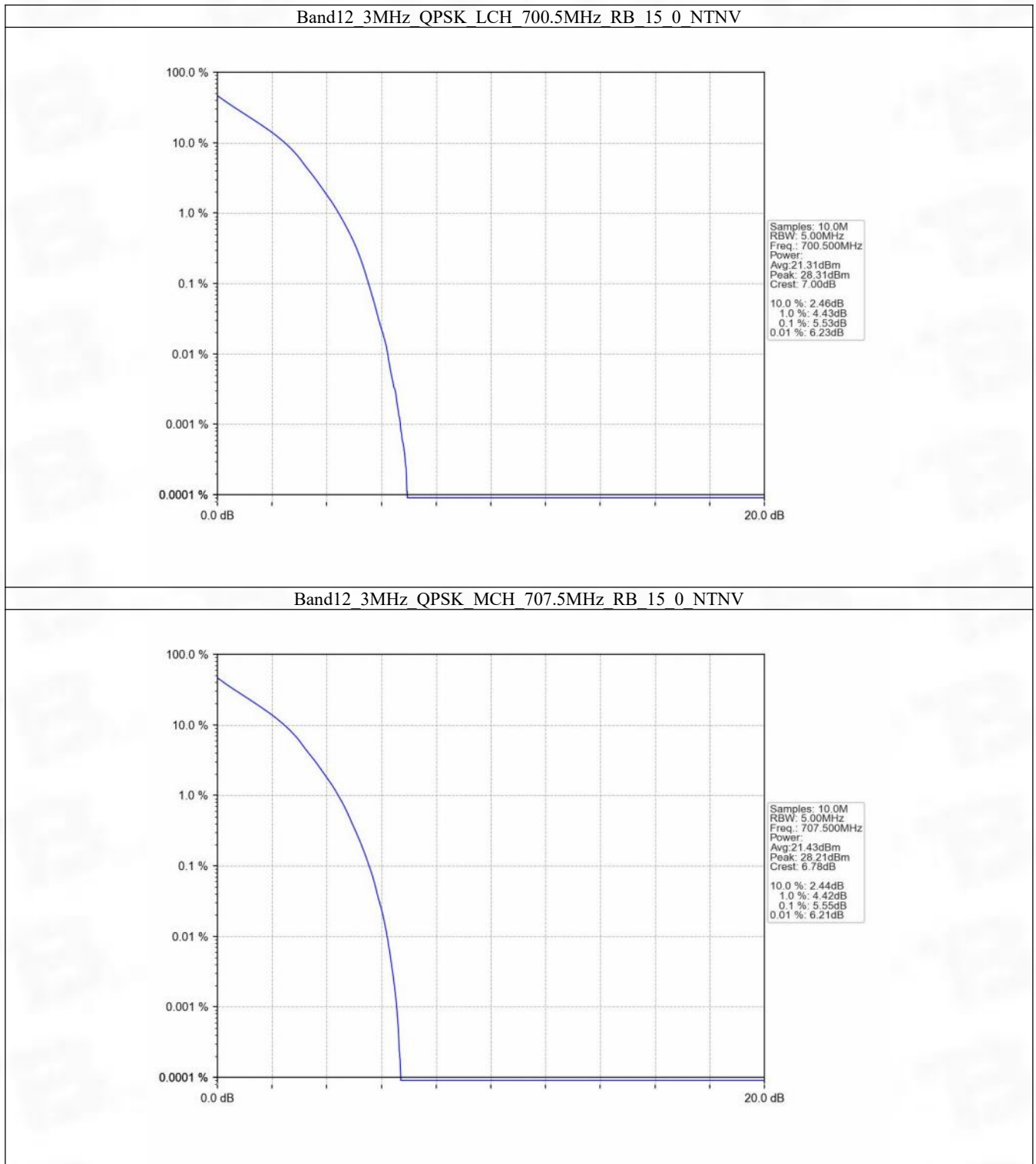
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



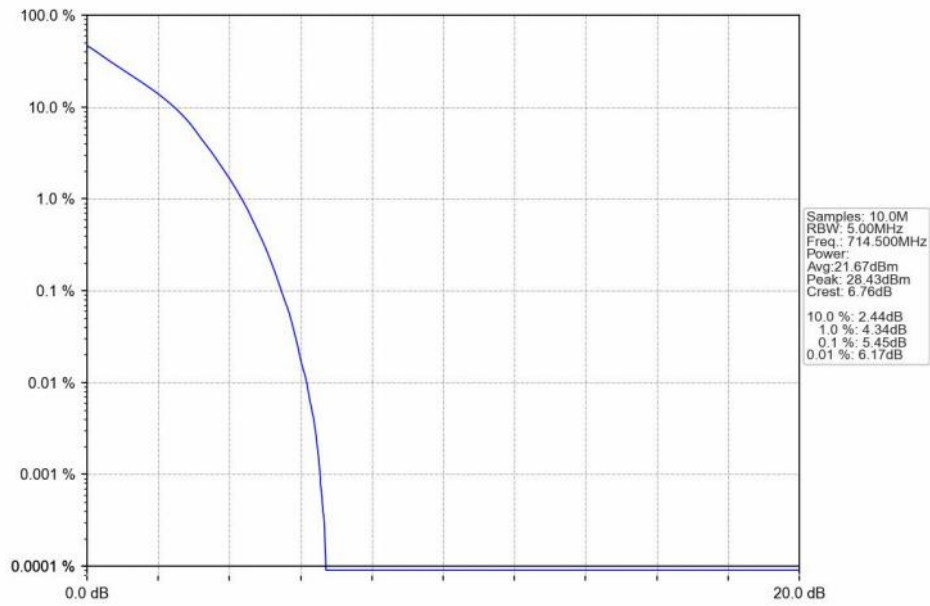
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



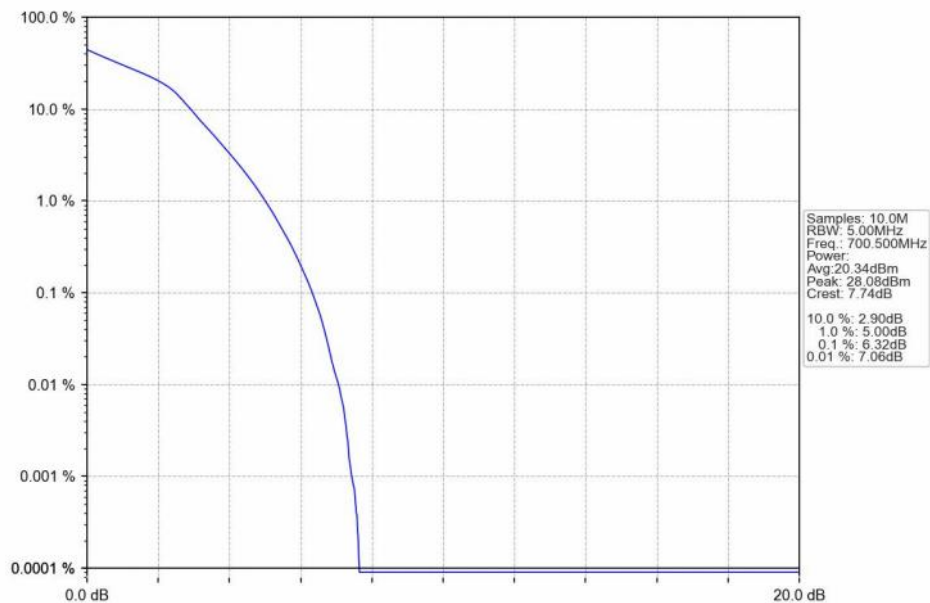
5.2.2 B12_3MHz



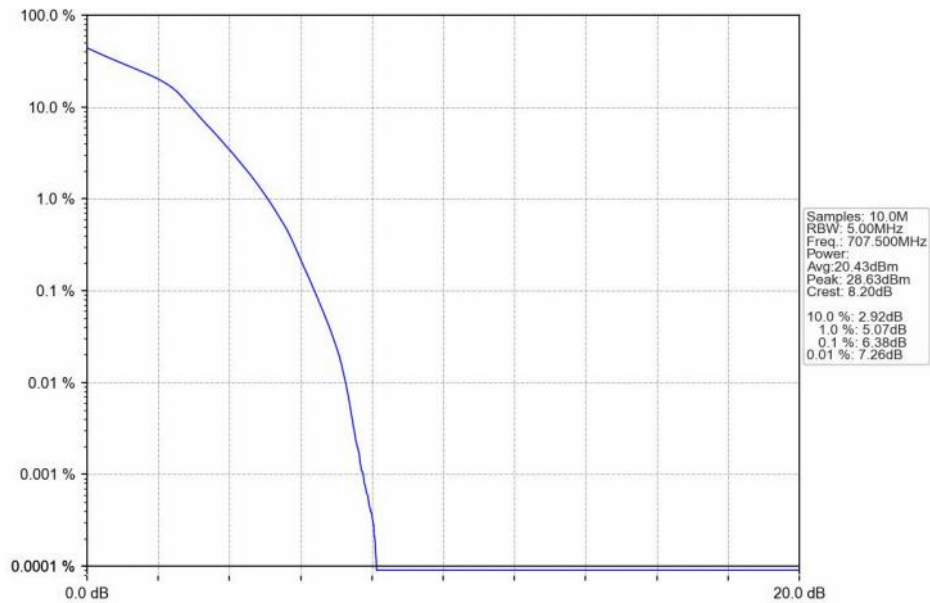
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



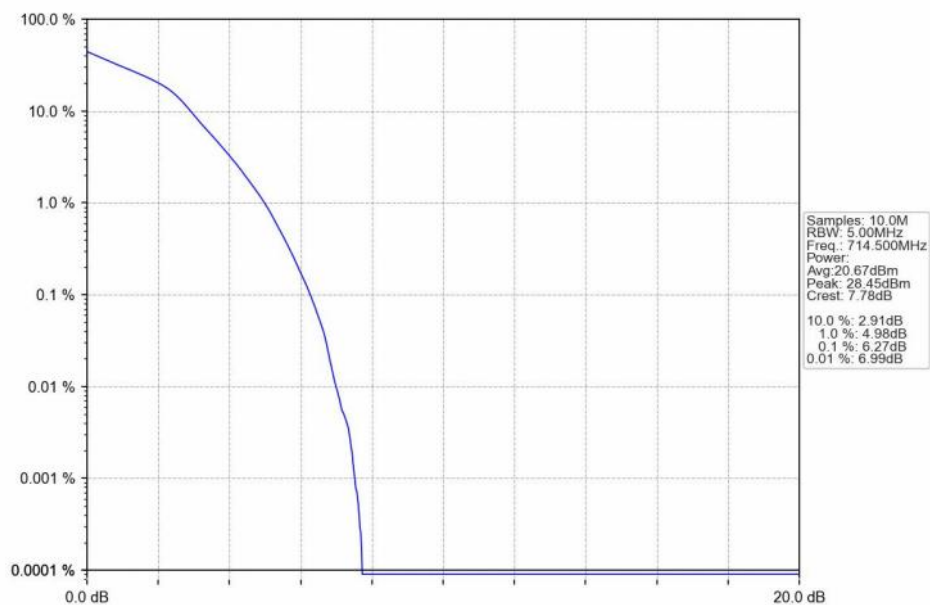
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



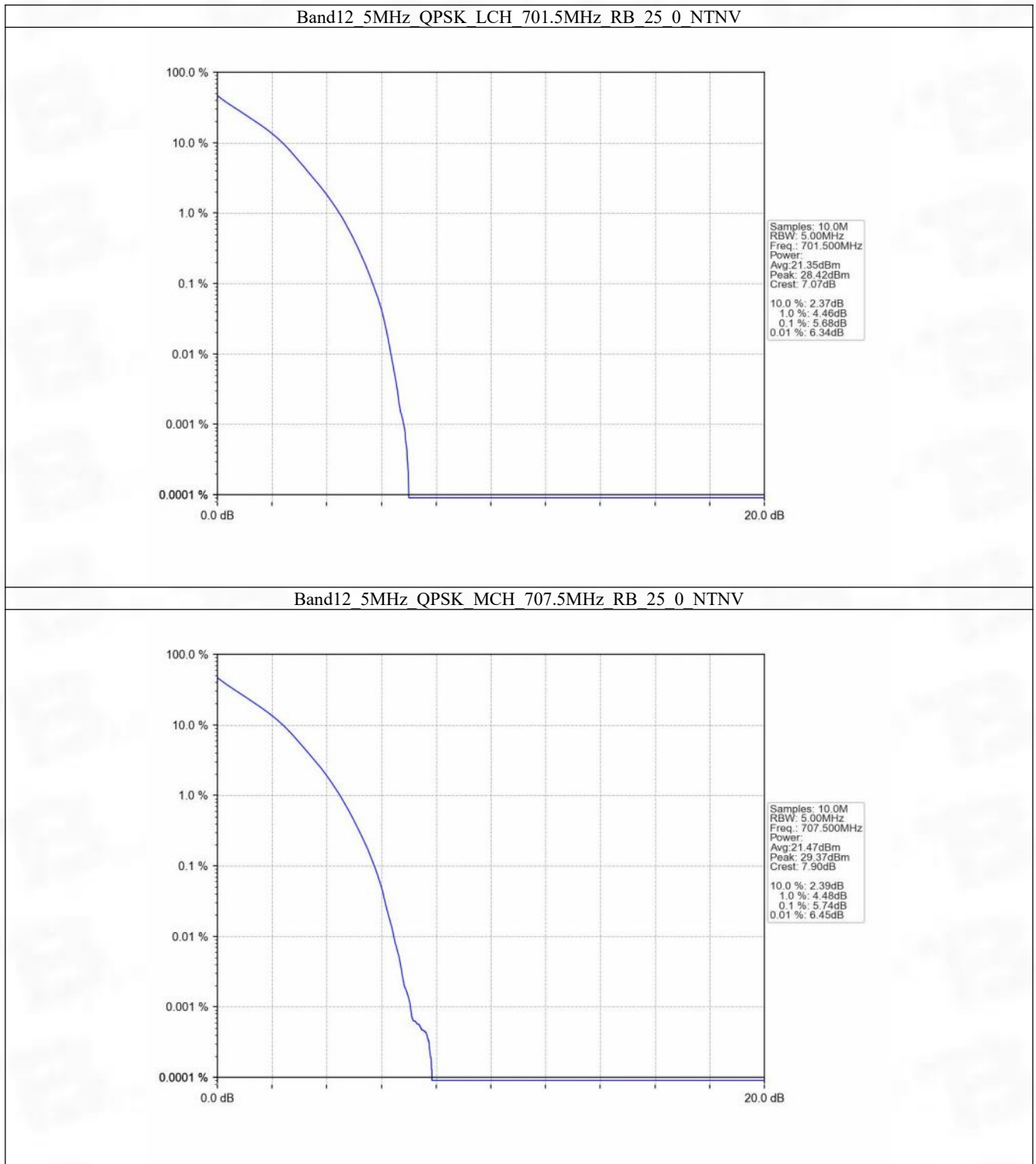
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



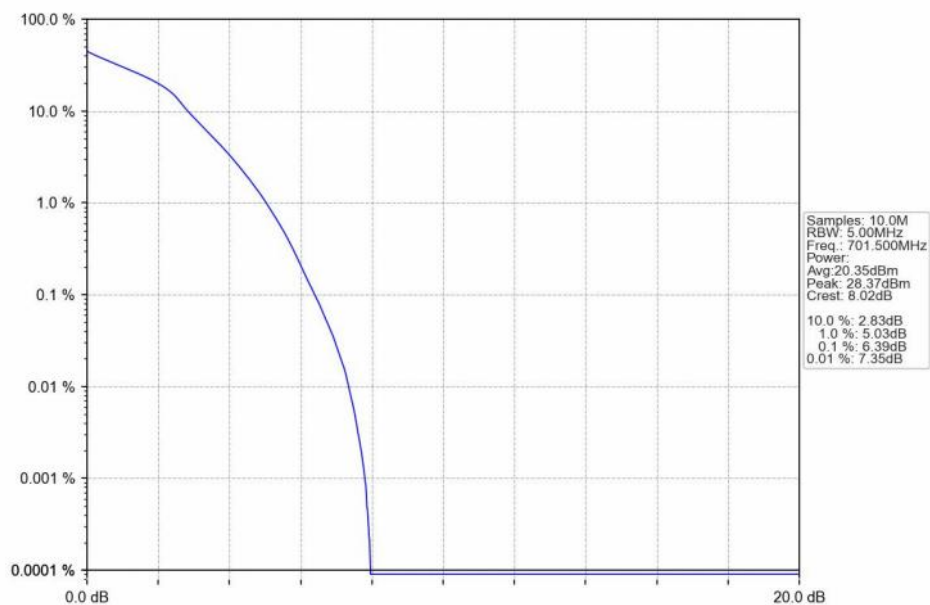
5.2.3 B12_5MHz



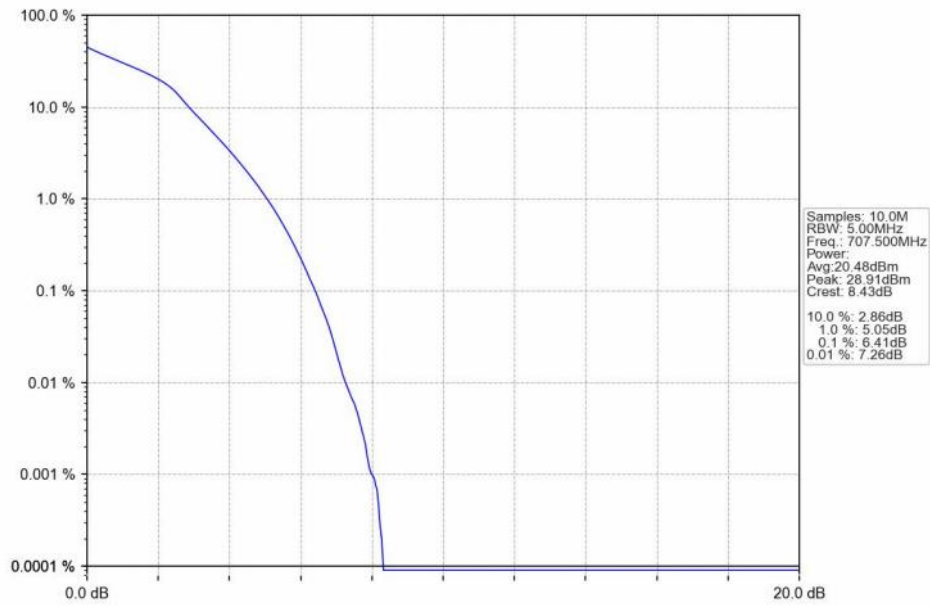
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



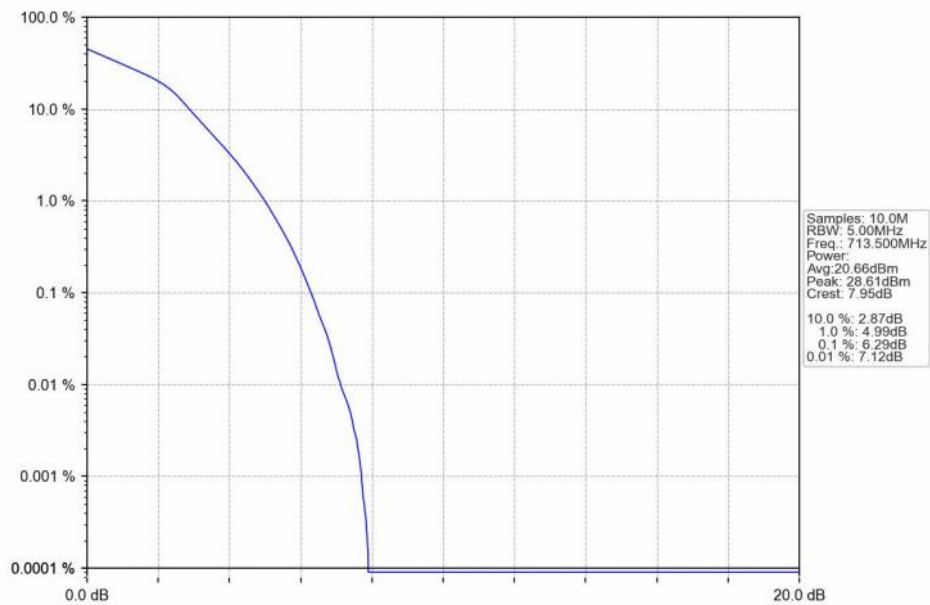
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



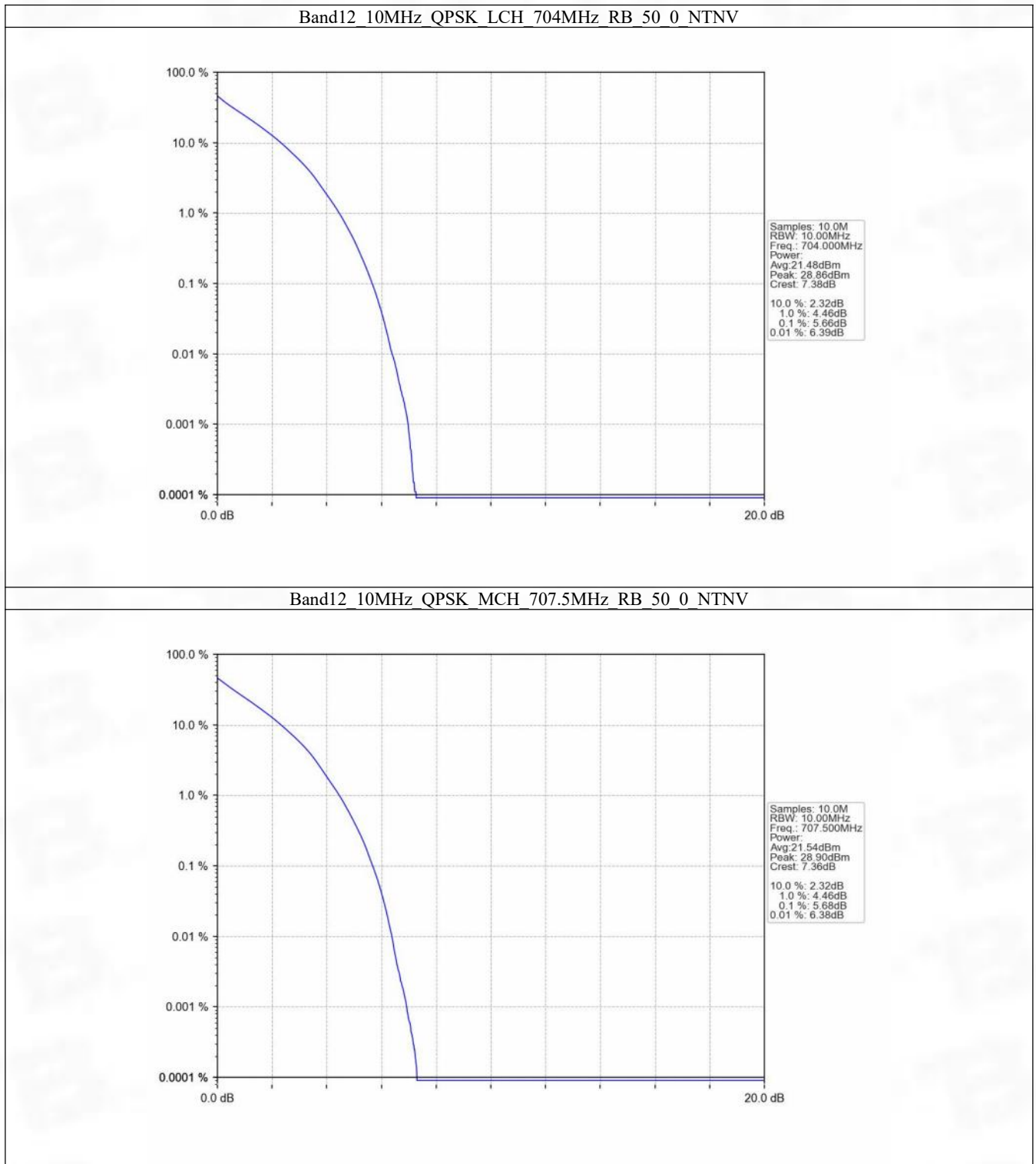
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



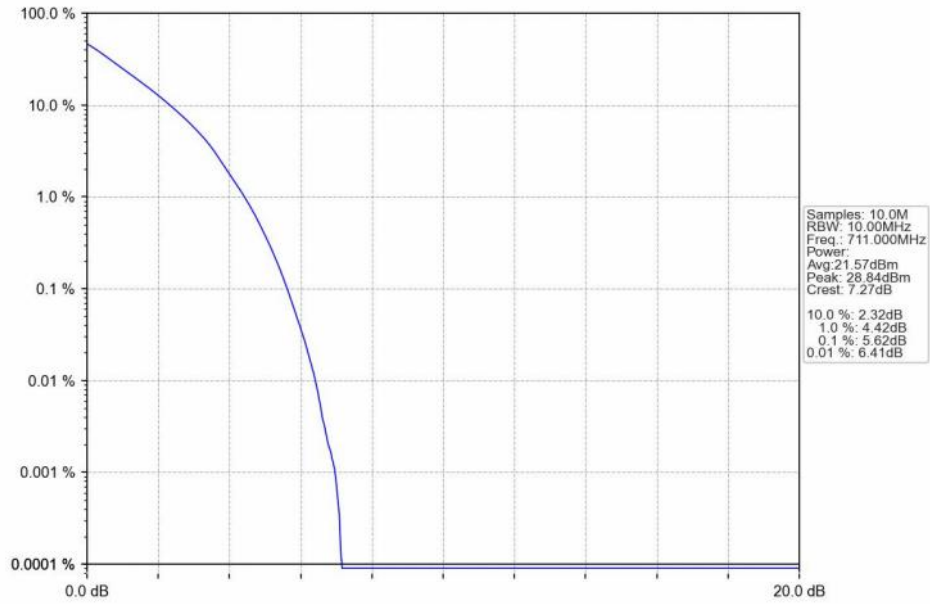
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



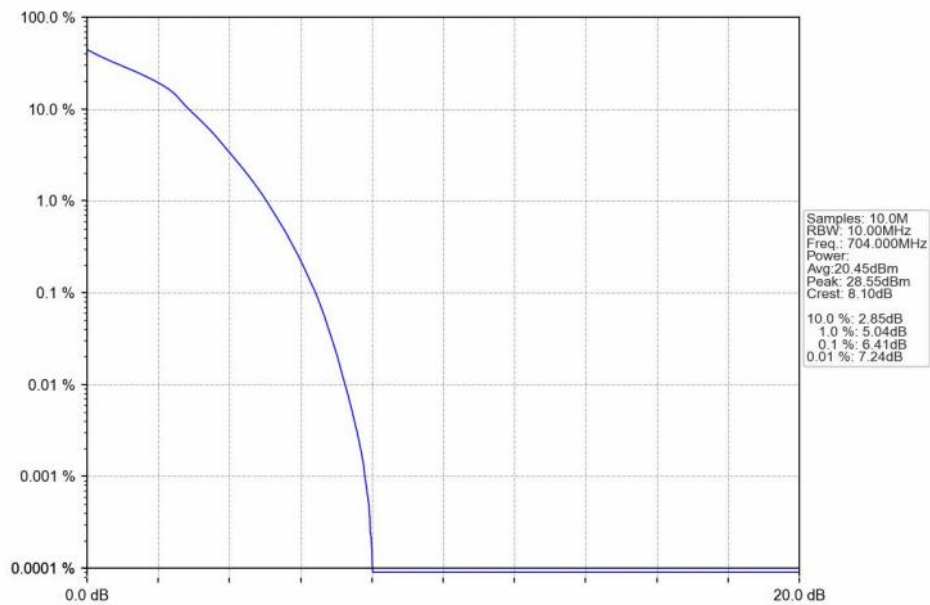
5.2.4 B12_10MHz



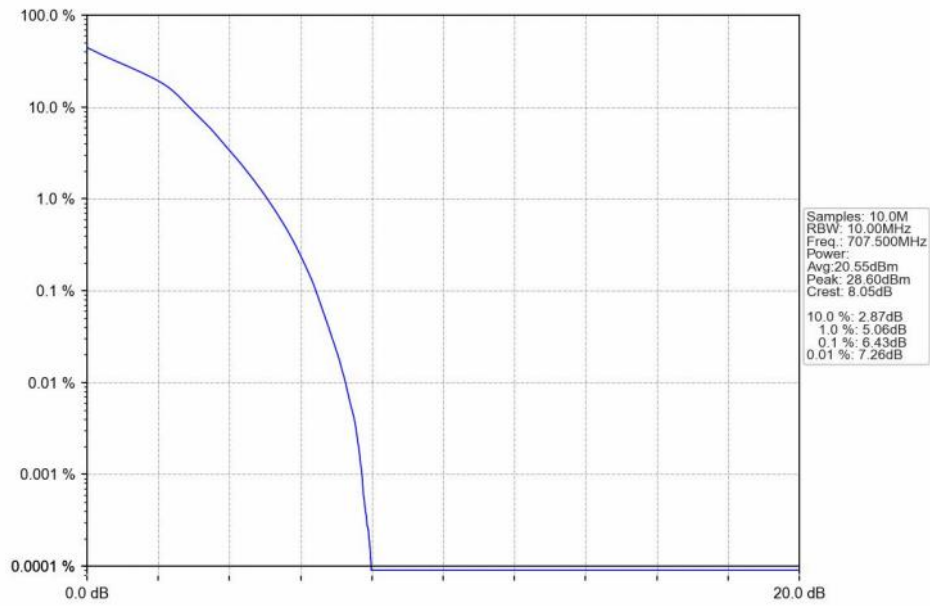
Band12 10MHz QPSK HCH 711MHz RB 50 0 NTNV



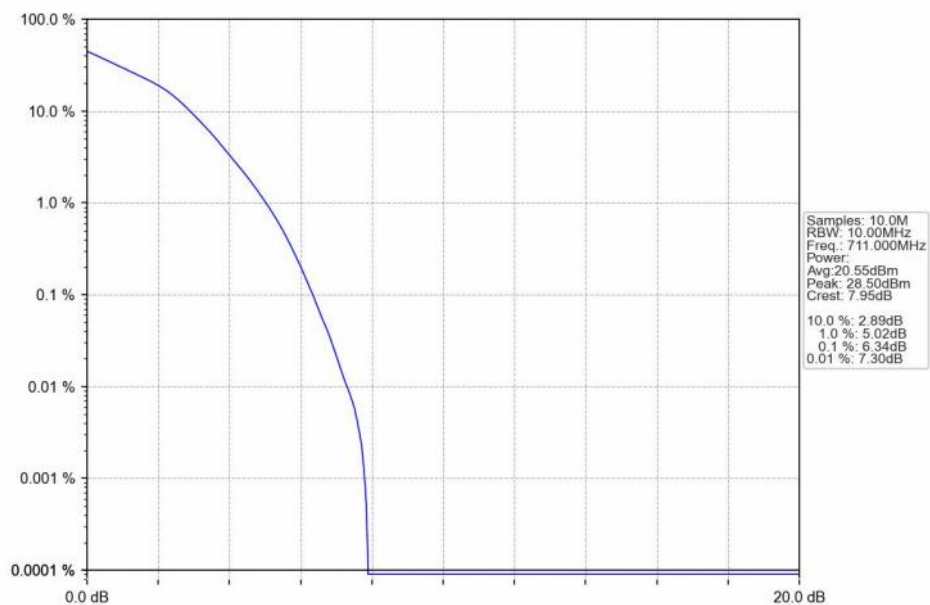
Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTNV



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		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

6.1.2 B12_3MHz

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

6.1.3 B12_5MHz

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

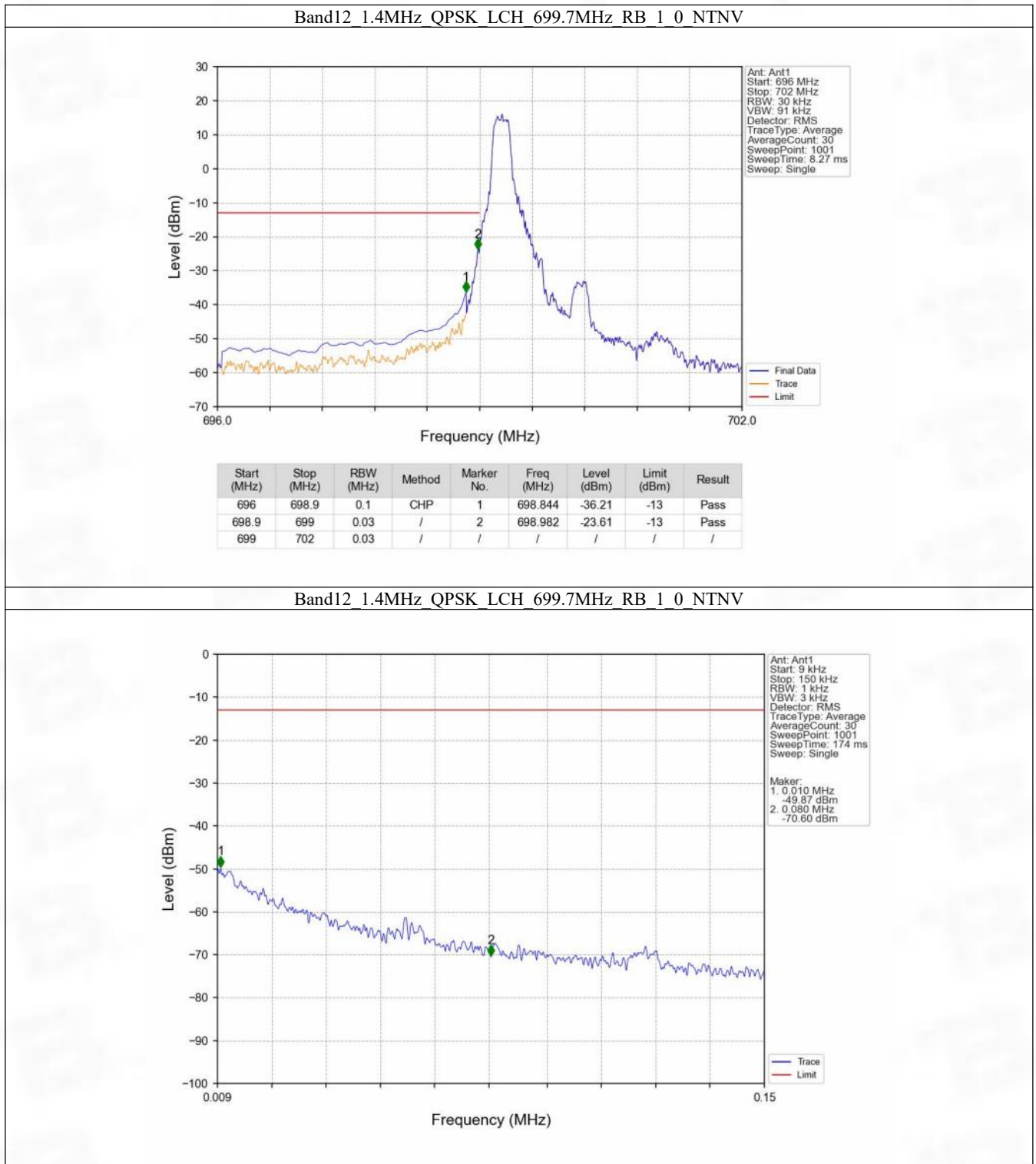
		25	0	Refer To Test Graph	Pass
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6.1.4 B12_10MHz

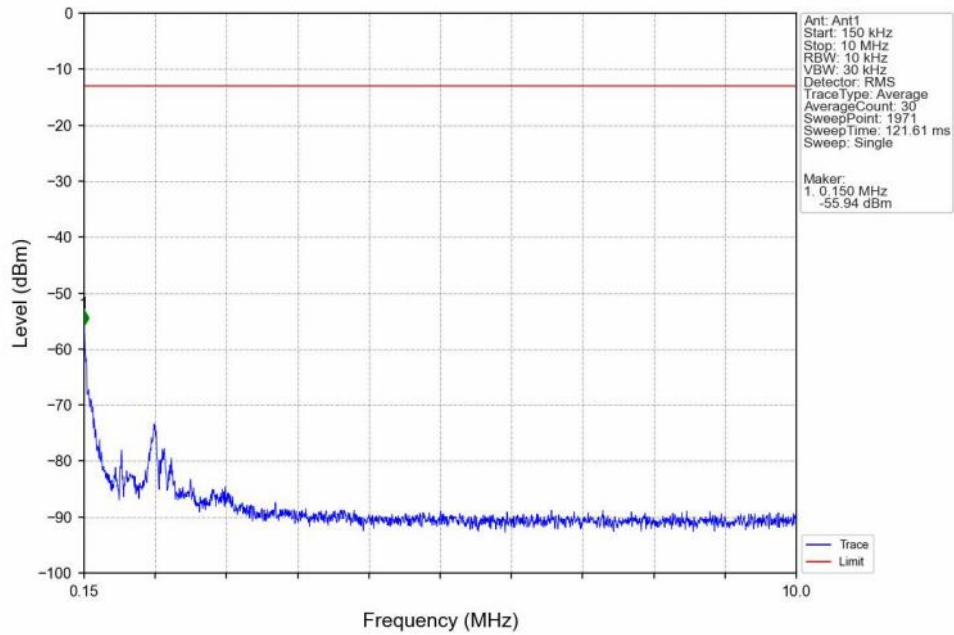
Band: 12 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	704	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
	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

6.2 Test Graph

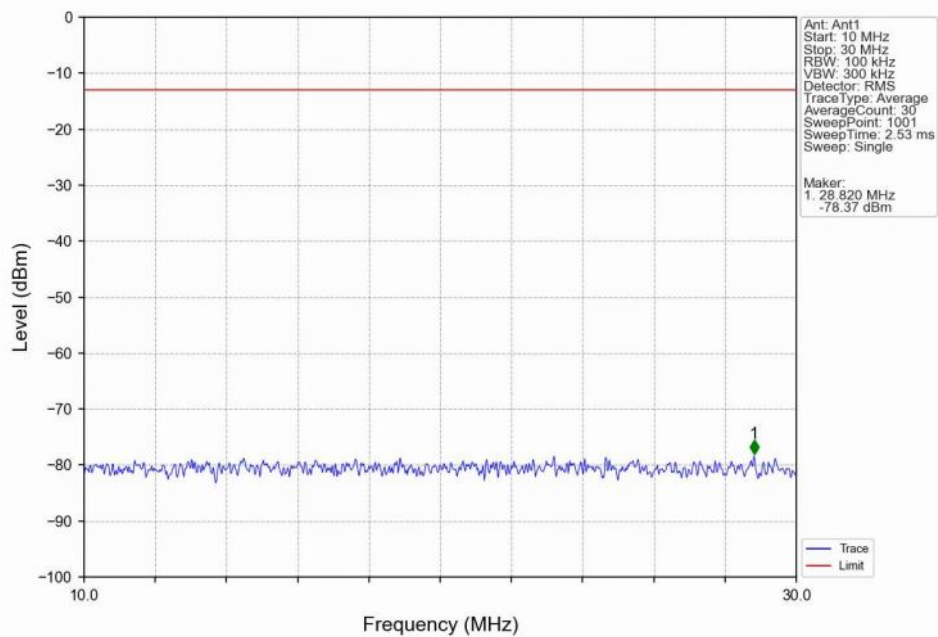
6.2.1 B12_1.4MHz



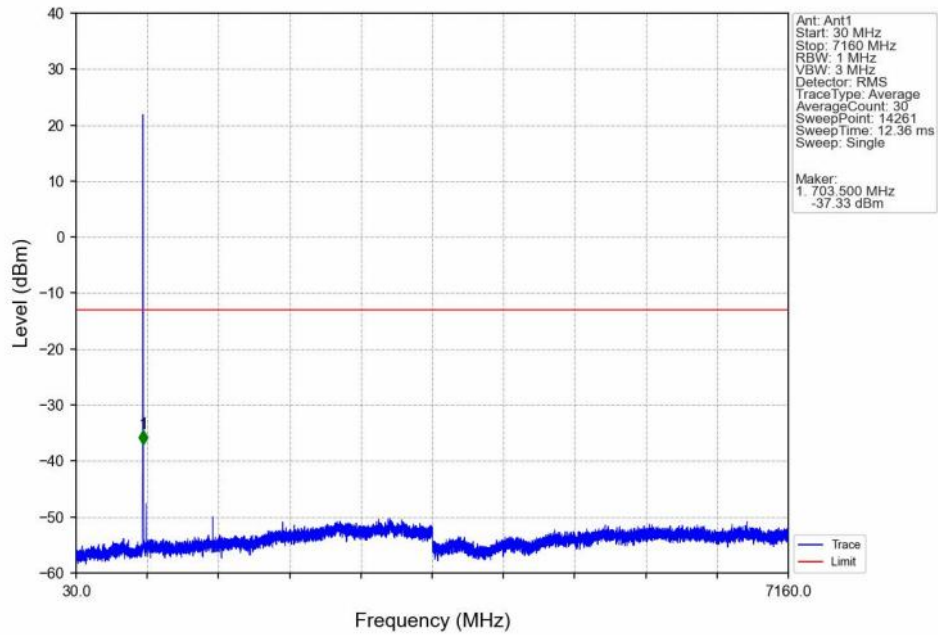
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



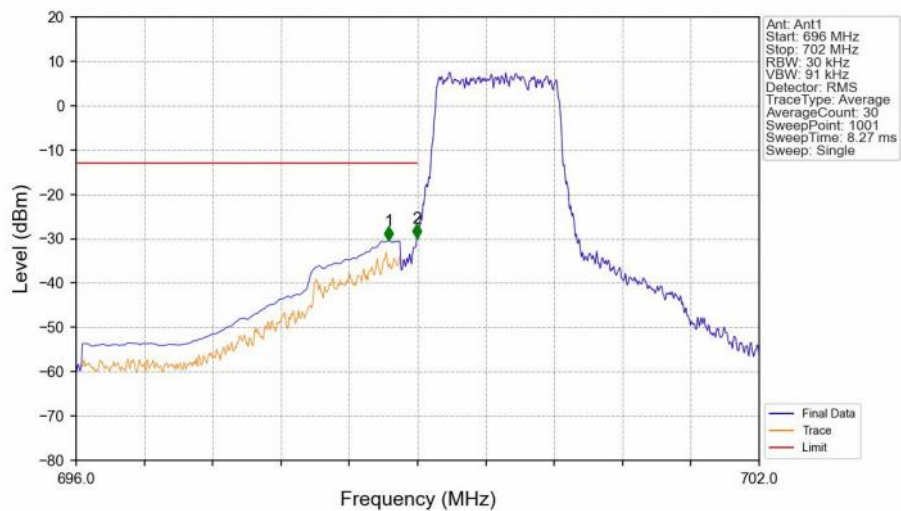
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

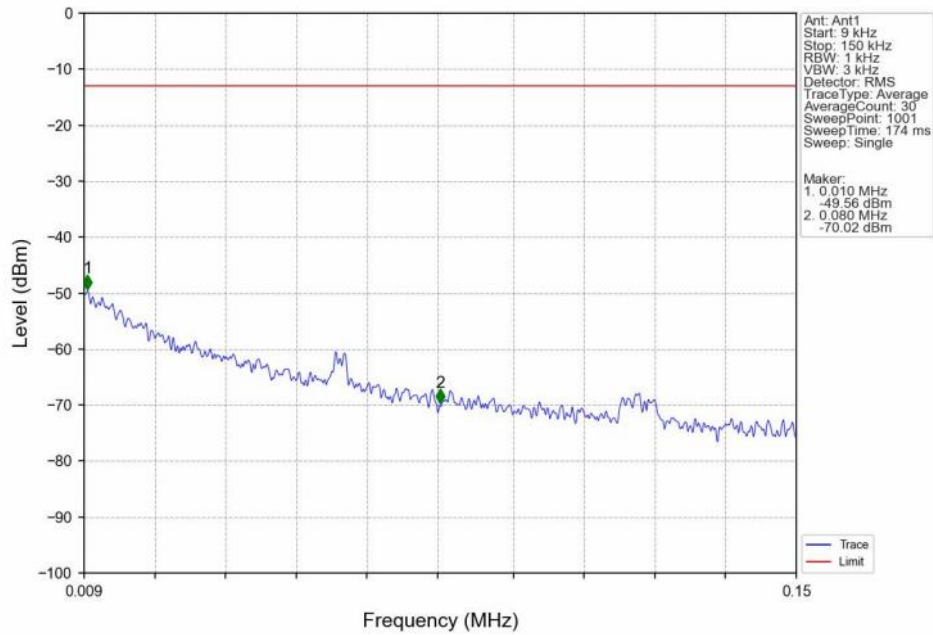


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

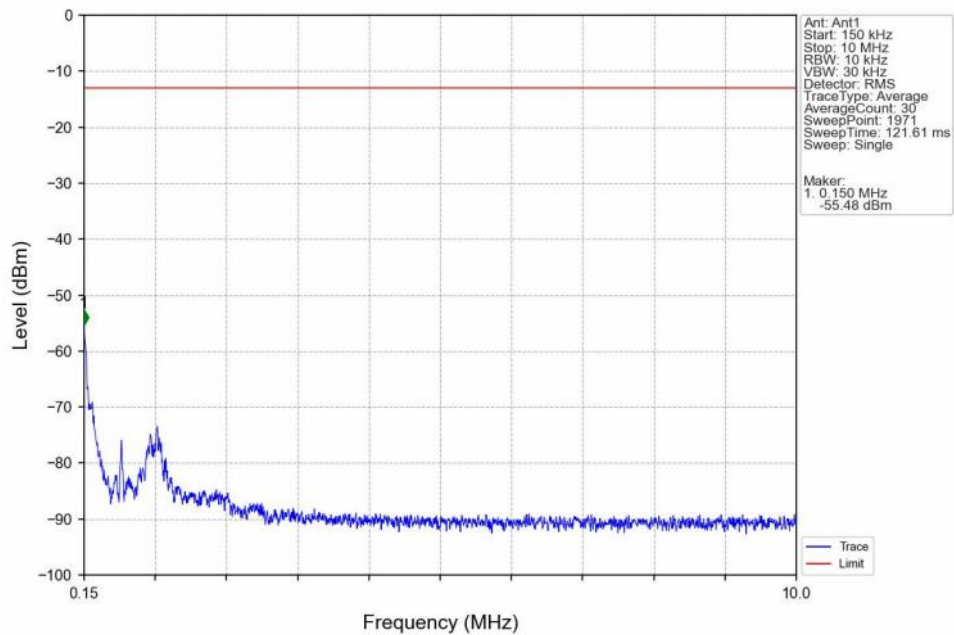


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.748	-30.42	-13	Pass
698.9	699	0.03	/	2	698.994	-29.88	-13	Pass
699	702	0.03	/	/	/	/	/	/

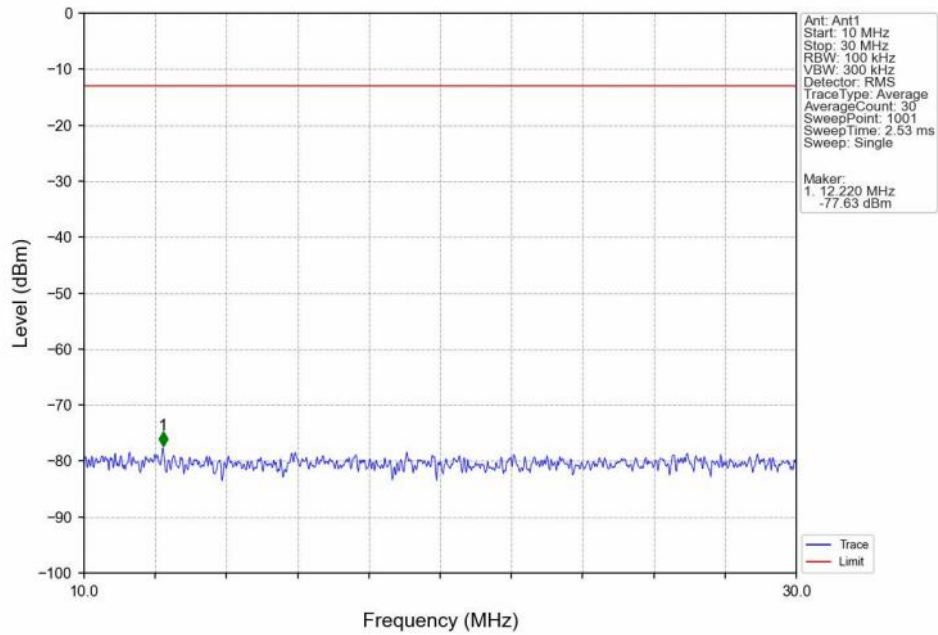
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV

