

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	21.58	-3.12	16.31	<=34.77	Pass
			2	21.67	-3.12	16.40	<=34.77	Pass
			5	21.65	-3.12	16.38	<=34.77	Pass
		3	0	21.65	-3.12	16.38	<=34.77	Pass
			2	21.75	-3.12	16.48	<=34.77	Pass
			3	21.74	-3.12	16.47	<=34.77	Pass
		6	0	20.66	-3.12	15.39	<=34.77	Pass
	707.5	1	0	21.53	-3.12	16.26	<=34.77	Pass
			2	21.61	-3.12	16.34	<=34.77	Pass
			5	21.51	-3.12	16.24	<=34.77	Pass
		3	0	21.69	-3.12	16.42	<=34.77	Pass
			2	21.71	-3.12	16.44	<=34.77	Pass
			3	21.68	-3.12	16.41	<=34.77	Pass
		6	0	20.68	-3.12	15.41	<=34.77	Pass
	715.3	1	0	21.56	-3.12	16.29	<=34.77	Pass
			2	21.73	-3.12	16.46	<=34.77	Pass
			5	21.60	-3.12	16.33	<=34.77	Pass
		3	0	21.63	-3.12	16.36	<=34.77	Pass
			2	21.72	-3.12	16.45	<=34.77	Pass
			3	21.64	-3.12	16.37	<=34.77	Pass
		6	0	20.61	-3.12	15.34	<=34.77	Pass
16QAM	699.7	1	0	20.70	-3.12	15.43	<=34.77	Pass
			2	20.88	-3.12	15.61	<=34.77	Pass
			5	20.88	-3.12	15.61	<=34.77	Pass
		3	0	20.63	-3.12	15.36	<=34.77	Pass
			2	20.75	-3.12	15.48	<=34.77	Pass
			3	20.77	-3.12	15.50	<=34.77	Pass
		6	0	19.74	-3.12	14.47	<=34.77	Pass
	707.5	1	0	20.61	-3.12	15.34	<=34.77	Pass
			2	20.78	-3.12	15.51	<=34.77	Pass
			5	20.60	-3.12	15.33	<=34.77	Pass
		3	0	20.94	-3.12	15.67	<=34.77	Pass
			2	20.96	-3.12	15.69	<=34.77	Pass
			3	20.85	-3.12	15.58	<=34.77	Pass
		6	0	19.74	-3.12	14.47	<=34.77	Pass
	715.3	1	0	20.57	-3.12	15.30	<=34.77	Pass
			2	20.63	-3.12	15.36	<=34.77	Pass
			5	20.61	-3.12	15.34	<=34.77	Pass
		3	0	20.64	-3.12	15.37	<=34.77	Pass
			2	20.65	-3.12	15.38	<=34.77	Pass
			3	20.61	-3.12	15.34	<=34.77	Pass
		6	0	19.60	-3.12	14.33	<=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	21.69	-3.12	16.42	<=34.77	Pass
			7	21.94	-3.12	16.67	<=34.77	Pass
			14	21.77	-3.12	16.50	<=34.77	Pass
		8	0	20.70	-3.12	15.43	<=34.77	Pass
			4	20.83	-3.12	15.56	<=34.77	Pass
			7	20.88	-3.12	15.61	<=34.77	Pass
		15	0	20.76	-3.12	15.49	<=34.77	Pass
	707.5	1	0	21.62	-3.12	16.35	<=34.77	Pass
			7	21.77	-3.12	16.50	<=34.77	Pass
			14	21.60	-3.12	16.33	<=34.77	Pass
		8	0	20.73	-3.12	15.46	<=34.77	Pass
			4	20.73	-3.12	15.46	<=34.77	Pass
			7	20.69	-3.12	15.42	<=34.77	Pass
		15	0	20.74	-3.12	15.47	<=34.77	Pass
	714.5	1	0	21.63	-3.12	16.36	<=34.77	Pass
			7	21.76	-3.12	16.49	<=34.77	Pass
			14	21.64	-3.12	16.37	<=34.77	Pass
		8	0	20.71	-3.12	15.44	<=34.77	Pass
			4	20.69	-3.12	15.42	<=34.77	Pass
			7	20.60	-3.12	15.33	<=34.77	Pass
		15	0	20.69	-3.12	15.42	<=34.77	Pass
16QAM	700.5	1	0	20.68	-3.12	15.41	<=34.77	Pass
			7	20.99	-3.12	15.72	<=34.77	Pass
			14	20.79	-3.12	15.52	<=34.77	Pass
		8	0	19.80	-3.12	14.53	<=34.77	Pass
			4	19.92	-3.12	14.65	<=34.77	Pass
			7	19.94	-3.12	14.67	<=34.77	Pass
		15	0	19.85	-3.12	14.58	<=34.77	Pass
	707.5	1	0	20.89	-3.12	15.62	<=34.77	Pass
			7	21.00	-3.12	15.73	<=34.77	Pass
			14	20.86	-3.12	15.59	<=34.77	Pass
		8	0	19.73	-3.12	14.46	<=34.77	Pass
			4	19.73	-3.12	14.46	<=34.77	Pass
			7	19.71	-3.12	14.44	<=34.77	Pass
		15	0	19.74	-3.12	14.47	<=34.77	Pass
	714.5	1	0	21.15	-3.12	15.88	<=34.77	Pass
			7	21.27	-3.12	16.00	<=34.77	Pass
			14	21.06	-3.12	15.79	<=34.77	Pass
		8	0	19.87	-3.12	14.60	<=34.77	Pass
			4	19.93	-3.12	14.66	<=34.77	Pass
			7	19.85	-3.12	14.58	<=34.77	Pass
		15	0	19.80	-3.12	14.53	<=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	21.56	-3.12	16.29	<=34.77	Pass
			13	21.79	-3.12	16.52	<=34.77	Pass
			24	21.63	-3.12	16.36	<=34.77	Pass
		12	0	20.61	-3.12	15.34	<=34.77	Pass
			6	20.87	-3.12	15.60	<=34.77	Pass
			13	20.81	-3.12	15.54	<=34.77	Pass

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16QAM	707.5	1	25	0	20.70	-3.12	15.43	<=34.77	Pass
			1	0	21.54	-3.12	16.27	<=34.77	Pass
				13	21.66	-3.12	16.39	<=34.77	Pass
		12	25	24	21.54	-3.12	16.27	<=34.77	Pass
				0	20.75	-3.12	15.48	<=34.77	Pass
				6	20.77	-3.12	15.50	<=34.77	Pass
				13	20.79	-3.12	15.52	<=34.77	Pass
		25	1	0	20.76	-3.12	15.49	<=34.77	Pass
				0	21.47	-3.12	16.20	<=34.77	Pass
				13	21.62	-3.12	16.35	<=34.77	Pass
	713.5	1	25	24	21.53	-3.12	16.26	<=34.77	Pass
				0	20.64	-3.12	15.37	<=34.77	Pass
				6	20.73	-3.12	15.46	<=34.77	Pass
		12	25	13	20.46	-3.12	15.19	<=34.77	Pass
				0	20.55	-3.12	15.28	<=34.77	Pass
				0	20.69	-3.12	15.42	<=34.77	Pass
		1	25	13	20.89	-3.12	15.62	<=34.77	Pass
				24	20.76	-3.12	15.49	<=34.77	Pass
				0	19.62	-3.12	14.35	<=34.77	Pass
16QAM	701.5	1	25	6	19.84	-3.12	14.57	<=34.77	Pass
				13	19.78	-3.12	14.51	<=34.77	Pass
				0	19.74	-3.12	14.47	<=34.77	Pass
		12	25	0	20.85	-3.12	15.58	<=34.77	Pass
				13	21.03	-3.12	15.76	<=34.77	Pass
				24	20.88	-3.12	15.61	<=34.77	Pass
		25	1	0	19.83	-3.12	14.56	<=34.77	Pass
				6	19.84	-3.12	14.57	<=34.77	Pass
				13	19.79	-3.12	14.52	<=34.77	Pass
	707.5	1	25	0	19.80	-3.12	14.53	<=34.77	Pass
				0	20.40	-3.12	15.13	<=34.77	Pass
				13	20.48	-3.12	15.21	<=34.77	Pass
		12	25	24	20.35	-3.12	15.08	<=34.77	Pass
				0	19.62	-3.12	14.35	<=34.77	Pass
				6	19.75	-3.12	14.48	<=34.77	Pass
		25	1	13	19.50	-3.12	14.23	<=34.77	Pass
				0	19.67	-3.12	14.40	<=34.77	Pass
				0	20.69	-3.12	15.42	<=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	21.63	-3.12	16.36	<=34.77	Pass
			25	21.89	-3.12	16.62	<=34.77	Pass
			49	21.66	-3.12	16.39	<=34.77	Pass
		25	0	20.69	-3.12	15.42	<=34.77	Pass
			13	20.80	-3.12	15.53	<=34.77	Pass
			25	20.67	-3.12	15.40	<=34.77	Pass
		50	0	20.70	-3.12	15.43	<=34.77	Pass
			0	21.64	-3.12	16.37	<=34.77	Pass
			25	21.77	-3.12	16.50	<=34.77	Pass
	707.5	1	49	21.55	-3.12	16.28	<=34.77	Pass
			0	21.00	-3.12	15.73	<=34.77	Pass
			13	20.78	-3.12	15.51	<=34.77	Pass
		25	25	20.94	-3.12	15.67	<=34.77	Pass
			0	20.98	-3.12	15.71	<=34.77	Pass
			0	21.56	-3.12	16.29	<=34.77	Pass
		50	1	0	-3.12	16.29	<=34.77	Pass

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16QAM		25	25	21.73	-3.12	16.46	<=34.77	Pass
			49	21.61	-3.12	16.34	<=34.77	Pass
			0	20.67	-3.12	15.40	<=34.77	Pass
			13	20.74	-3.12	15.47	<=34.77	Pass
			25	20.58	-3.12	15.31	<=34.77	Pass
	50	0	0	20.63	-3.12	15.36	<=34.77	Pass
			0	20.65	-3.12	15.38	<=34.77	Pass
			25	20.90	-3.12	15.63	<=34.77	Pass
			49	20.74	-3.12	15.47	<=34.77	Pass
			0	19.79	-3.12	14.52	<=34.77	Pass
	704	25	13	19.89	-3.12	14.62	<=34.77	Pass
			25	19.75	-3.12	14.48	<=34.77	Pass
			0	19.74	-3.12	14.47	<=34.77	Pass
		50	0	20.86	-3.12	15.59	<=34.77	Pass
			1	21.05	-3.12	15.78	<=34.77	Pass
	707.5	1	49	20.82	-3.12	15.55	<=34.77	Pass
			0	20.05	-3.12	14.78	<=34.77	Pass
			25	19.86	-3.12	14.59	<=34.77	Pass
			25	20.00	-3.12	14.73	<=34.77	Pass
			0	19.98	-3.12	14.71	<=34.77	Pass
	711	1	0	21.21	-3.12	15.94	<=34.77	Pass
			25	21.34	-3.12	16.07	<=34.77	Pass
			49	21.05	-3.12	15.78	<=34.77	Pass
		25	0	19.77	-3.12	14.50	<=34.77	Pass
			13	19.84	-3.12	14.57	<=34.77	Pass
			25	19.67	-3.12	14.40	<=34.77	Pass
			0	19.71	-3.12	14.44	<=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	-8.111	-0.0116	-2.5 to 2.5	Pass
					3.85	-3.004	-0.0043	-2.5 to 2.5	Pass
					4.43	-5.221	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-6.137	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-6.509	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-8.998	-0.0129	-2.5 to 2.5	Pass
				0	3.85	-7.739	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-5.236	-0.0075	-2.5 to 2.5	Pass
				30	3.85	-5.493	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-5.994	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-4.363	-0.0062	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-6.294	-0.0089	-2.5 to 2.5	Pass
					3.85	0.000	0.0000	-2.5 to 2.5	Pass
					4.43	-6.809	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-7.524	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-6.723	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-9.112	-0.0129	-2.5 to 2.5	Pass
				0	3.85	-3.119	-0.0044	-2.5 to 2.5	Pass

	715.3	6	0	10	3.85	-8.039	-0.0114	-2.5 to 2.5	Pass
				30	3.85	1.044	0.0015	-2.5 to 2.5	Pass
				40	3.85	-4.392	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-3.247	-0.0046	-2.5 to 2.5	Pass
				20	3.27	-2.060	-0.0029	-2.5 to 2.5	Pass
					3.85	-3.333	-0.0047	-2.5 to 2.5	Pass
					4.43	-5.579	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-1.931	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-3.734	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-6.695	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-6.838	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-6.022	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-5.207	-0.0073	-2.5 to 2.5	Pass
				40	3.85	-4.907	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-5.751	-0.0080	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-4.120	-0.0059	-2.5 to 2.5	Pass
					3.85	-5.937	-0.0085	-2.5 to 2.5	Pass
					4.43	-4.106	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-5.708	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-7.582	-0.0108	-2.5 to 2.5	Pass
				-10	3.85	-5.951	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-3.319	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-6.008	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-6.466	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-2.160	-0.0031	-2.5 to 2.5	Pass
	707.5	6	0	50	3.85	-4.005	-0.0057	-2.5 to 2.5	Pass
				20	3.27	-11.258	-0.0159	-2.5 to 2.5	Pass
					3.85	-8.454	-0.0119	-2.5 to 2.5	Pass
					4.43	-5.164	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-5.679	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-4.592	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-4.206	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-5.693	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-9.241	-0.0131	-2.5 to 2.5	Pass
				30	3.85	-5.794	-0.0082	-2.5 to 2.5	Pass
	715.3	6	0	40	3.85	-4.063	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-6.595	-0.0093	-2.5 to 2.5	Pass
				20	3.27	-7.310	-0.0102	-2.5 to 2.5	Pass
					3.85	-6.166	-0.0086	-2.5 to 2.5	Pass
					4.43	-6.981	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-4.835	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-2.990	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-10.257	-0.0143	-2.5 to 2.5	Pass
				0	3.85	-6.423	-0.0090	-2.5 to 2.5	Pass
				10	3.85	-5.808	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-8.941	-0.0125	-2.5 to 2.5	Pass
				40	3.85	-3.219	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-7.782	-0.0109	-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	-4.864	-0.0069	-2.5 to 2.5	Pass
					3.85	-6.266	-0.0089	-2.5 to 2.5	Pass
					4.43	-5.093	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-3.934	-0.0056	-2.5 to 2.5	Pass

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16QAM	707.5	15	0	-20	3.85	-2.818	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-3.977	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-3.591	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-3.490	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-3.963	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-4.034	-0.0058	-2.5 to 2.5	Pass
				50	3.85	-4.420	-0.0063	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-3.633	-0.0051	-2.5 to 2.5	Pass
					3.85	-3.848	-0.0054	-2.5 to 2.5	Pass
					4.43	-4.292	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-4.077	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-3.734	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-6.852	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-7.710	-0.0109	-2.5 to 2.5	Pass
				10	3.85	1.001	0.0014	-2.5 to 2.5	Pass
				30	3.85	-7.124	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-7.639	-0.0108	-2.5 to 2.5	Pass
				50	3.85	-4.077	-0.0058	-2.5 to 2.5	Pass
				20	3.27	-9.041	-0.0127	-2.5 to 2.5	Pass
					3.85	-5.021	-0.0070	-2.5 to 2.5	Pass
					4.43	-11.101	-0.0155	-2.5 to 2.5	Pass
	700.5	15	0	-30	3.85	-4.420	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-2.990	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-5.293	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-9.713	-0.0136	-2.5 to 2.5	Pass
				10	3.85	-8.154	-0.0114	-2.5 to 2.5	Pass
				30	3.85	-2.904	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-0.887	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-7.839	-0.0110	-2.5 to 2.5	Pass
				20	3.27	-3.948	-0.0056	-2.5 to 2.5	Pass
					3.85	-7.467	-0.0107	-2.5 to 2.5	Pass
					4.43	-8.612	-0.0123	-2.5 to 2.5	Pass
				-30	3.85	-7.138	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-7.482	-0.0107	-2.5 to 2.5	Pass
				-10	3.85	-5.565	-0.0079	-2.5 to 2.5	Pass
	707.5	15	0	0	3.85	-6.967	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-8.140	-0.0116	-2.5 to 2.5	Pass
				30	3.85	-7.625	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-3.147	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-7.811	-0.0112	-2.5 to 2.5	Pass
				20	3.27	-3.633	-0.0051	-2.5 to 2.5	Pass
					3.85	-7.653	-0.0108	-2.5 to 2.5	Pass
					4.43	-4.420	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-7.954	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-4.635	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-10.829	-0.0153	-2.5 to 2.5	Pass
				0	3.85	-8.626	-0.0122	-2.5 to 2.5	Pass
				10	3.85	-2.160	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-1.631	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-6.580	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-10.128	-0.0143	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-3.018	-0.0042	-2.5 to 2.5	Pass
					3.85	-7.768	-0.0109	-2.5 to 2.5	Pass
					4.43	-7.410	-0.0104	-2.5 to 2.5	Pass
				-30	3.85	-5.536	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-9.198	-0.0129	-2.5 to 2.5	Pass
				-10	3.85	-6.137	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-8.855	-0.0124	-2.5 to 2.5	Pass
				10	3.85	-5.479	-0.0077	-2.5 to 2.5	Pass

				30	3.85	-7.381	-0.0103	-2.5 to 2.5	Pass
				40	3.85	-8.383	-0.0117	-2.5 to 2.5	Pass
				50	3.85	-5.364	-0.0075	-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	-5.708	-0.0081	-2.5 to 2.5	Pass
					3.85	-4.621	-0.0066	-2.5 to 2.5	Pass
					4.43	-7.110	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-4.921	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-3.977	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-3.262	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-4.578	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-4.835	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-6.552	-0.0093	-2.5 to 2.5	Pass
				40	3.85	-6.351	-0.0091	-2.5 to 2.5	Pass
				50	3.85	-7.238	-0.0103	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-4.263	-0.0060	-2.5 to 2.5	Pass
					3.85	-5.078	-0.0072	-2.5 to 2.5	Pass
					4.43	-3.247	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-4.191	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-4.721	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				0	3.85	-7.968	-0.0113	-2.5 to 2.5	Pass
				10	3.85	-2.060	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-3.519	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-3.619	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-4.778	-0.0068	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-9.055	-0.0127	-2.5 to 2.5	Pass
					3.85	-7.939	-0.0111	-2.5 to 2.5	Pass
					4.43	-5.422	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-2.775	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-3.133	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-5.651	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-9.212	-0.0129	-2.5 to 2.5	Pass
				10	3.85	-6.394	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-3.605	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-3.705	-0.0052	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-6.466	-0.0092	-2.5 to 2.5	Pass
					3.85	-7.253	-0.0103	-2.5 to 2.5	Pass
					4.43	-7.267	-0.0104	-2.5 to 2.5	Pass
				-30	3.85	-7.110	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-7.410	-0.0106	-2.5 to 2.5	Pass
				-10	3.85	-5.350	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-8.097	-0.0115	-2.5 to 2.5	Pass
				10	3.85	-4.492	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-3.204	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-8.712	-0.0124	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-2.890	-0.0041	-2.5 to 2.5	Pass
					3.85	-3.290	-0.0047	-2.5 to 2.5	Pass
					4.43	-1.287	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-5.722	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-2.432	-0.0034	-2.5 to 2.5	Pass

				-10	3.85	-0.787	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-6.394	-0.0090	-2.5 to 2.5	Pass
				10	3.85	-7.024	-0.0099	-2.5 to 2.5	Pass
				30	3.85	-1.345	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-1.688	-0.0024	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-4.978	-0.0070	-2.5 to 2.5	Pass
					3.85	-6.266	-0.0088	-2.5 to 2.5	Pass
					4.43	-8.655	-0.0121	-2.5 to 2.5	Pass
				-30	3.85	-6.237	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	-6.967	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	-6.452	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-2.189	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-4.163	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-6.852	-0.0096	-2.5 to 2.5	Pass
				40	3.85	-5.722	-0.0080	-2.5 to 2.5	Pass
				50	3.85	-5.336	-0.0075	-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	-3.848	-0.0055	-2.5 to 2.5	Pass
					3.85	-4.978	-0.0071	-2.5 to 2.5	Pass
					4.43	-4.950	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-4.005	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-4.864	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-6.022	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-3.490	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-4.435	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-3.748	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-4.306	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-4.420	-0.0063	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-8.626	-0.0122	-2.5 to 2.5	Pass
					3.85	-4.492	-0.0063	-2.5 to 2.5	Pass
					4.43	-6.194	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-2.189	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-3.319	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-5.150	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-3.333	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-3.219	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-7.124	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-5.436	-0.0077	-2.5 to 2.5	Pass
				50	3.85	-8.612	-0.0122	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-4.807	-0.0068	-2.5 to 2.5	Pass
					3.85	-4.163	-0.0059	-2.5 to 2.5	Pass
					4.43	-1.516	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-3.791	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-3.276	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-3.848	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-2.418	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-7.410	-0.0104	-2.5 to 2.5	Pass
				30	3.85	-5.550	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-3.633	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-5.050	-0.0071	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-8.554	-0.0122	-2.5 to 2.5	Pass
					3.85	-8.969	-0.0127	-2.5 to 2.5	Pass

					4.43	-6.866	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-5.593	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-7.696	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-6.280	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-5.751	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-6.623	-0.0094	-2.5 to 2.5	Pass
				30	3.85	-6.108	-0.0087	-2.5 to 2.5	Pass
				40	3.85	-4.764	-0.0068	-2.5 to 2.5	Pass
	707.5	50	0	50	3.85	-8.211	-0.0117	-2.5 to 2.5	Pass
				20	3.27	-3.748	-0.0053	-2.5 to 2.5	Pass
					3.85	-7.510	-0.0106	-2.5 to 2.5	Pass
					4.43	-1.502	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-5.679	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-1.745	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-5.393	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-6.022	-0.0085	-2.5 to 2.5	Pass
				10	3.85	-5.093	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-3.405	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-4.535	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-2.460	-0.0035	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-5.322	-0.0075	-2.5 to 2.5	Pass
					3.85	-6.223	-0.0088	-2.5 to 2.5	Pass
					4.43	-5.064	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-2.546	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-3.276	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-4.263	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-3.219	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-5.193	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-5.651	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-7.267	-0.0102	-2.5 to 2.5	Pass
				50	3.85	-3.719	-0.0052	-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

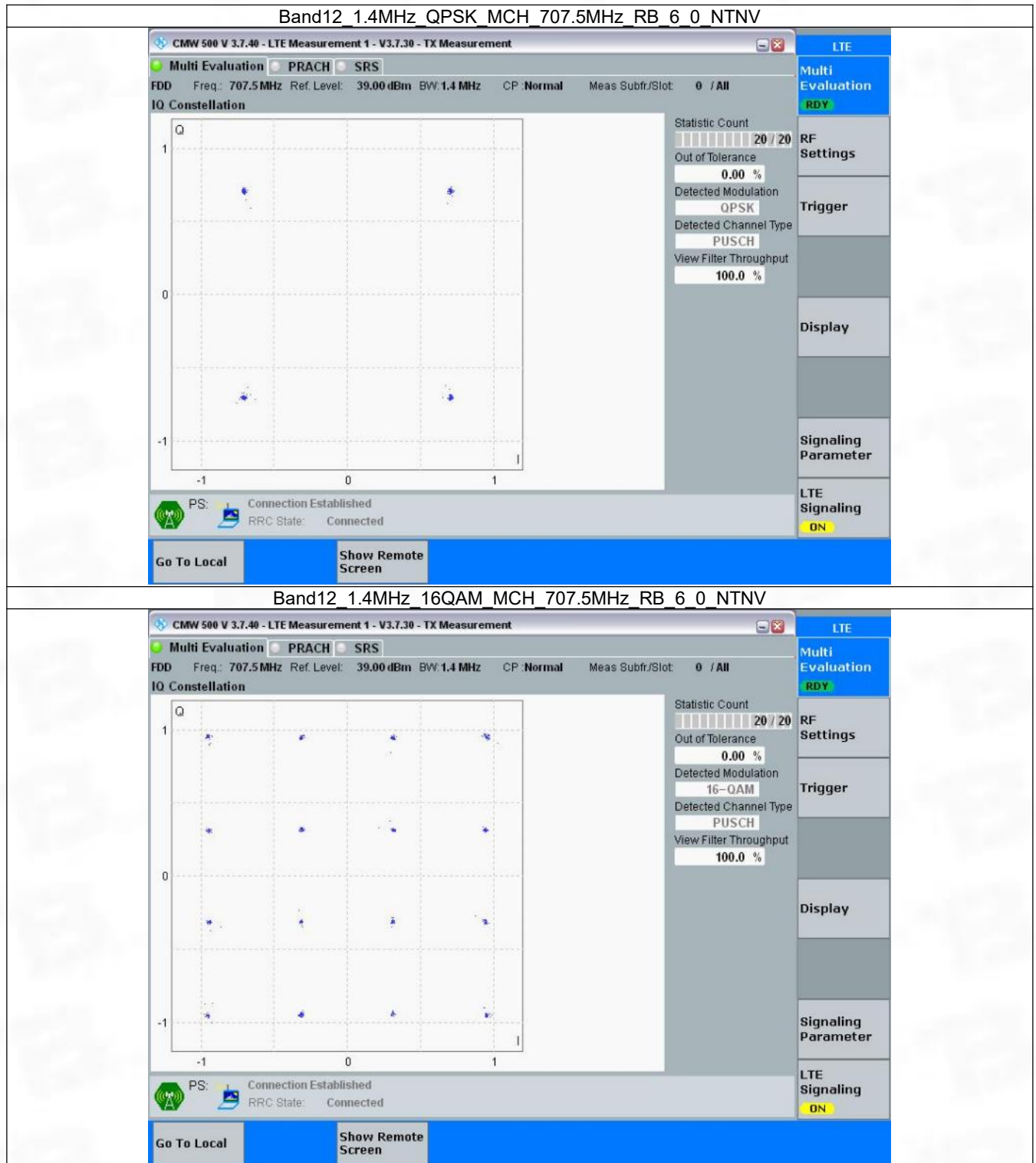
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

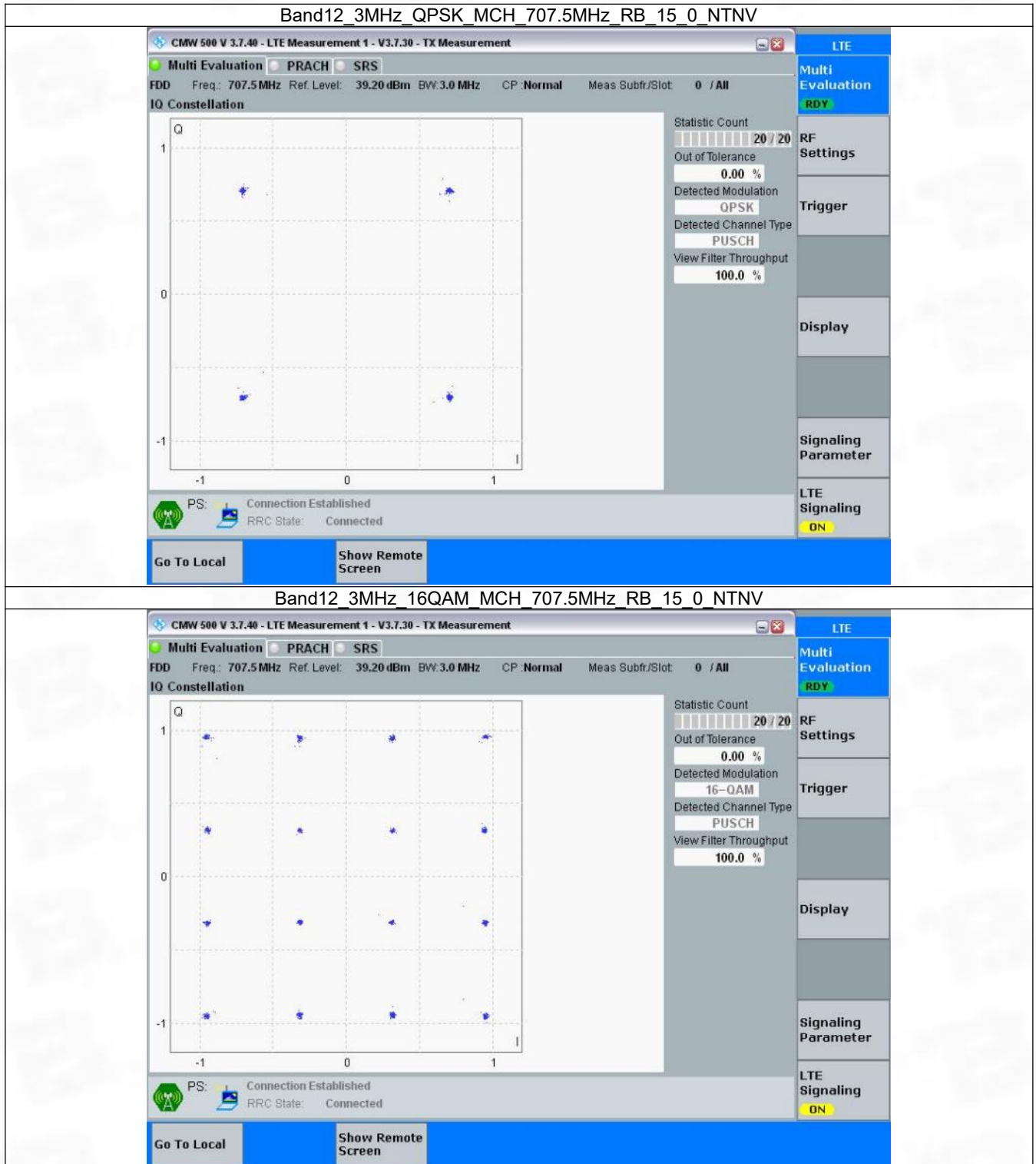
Band: 12 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

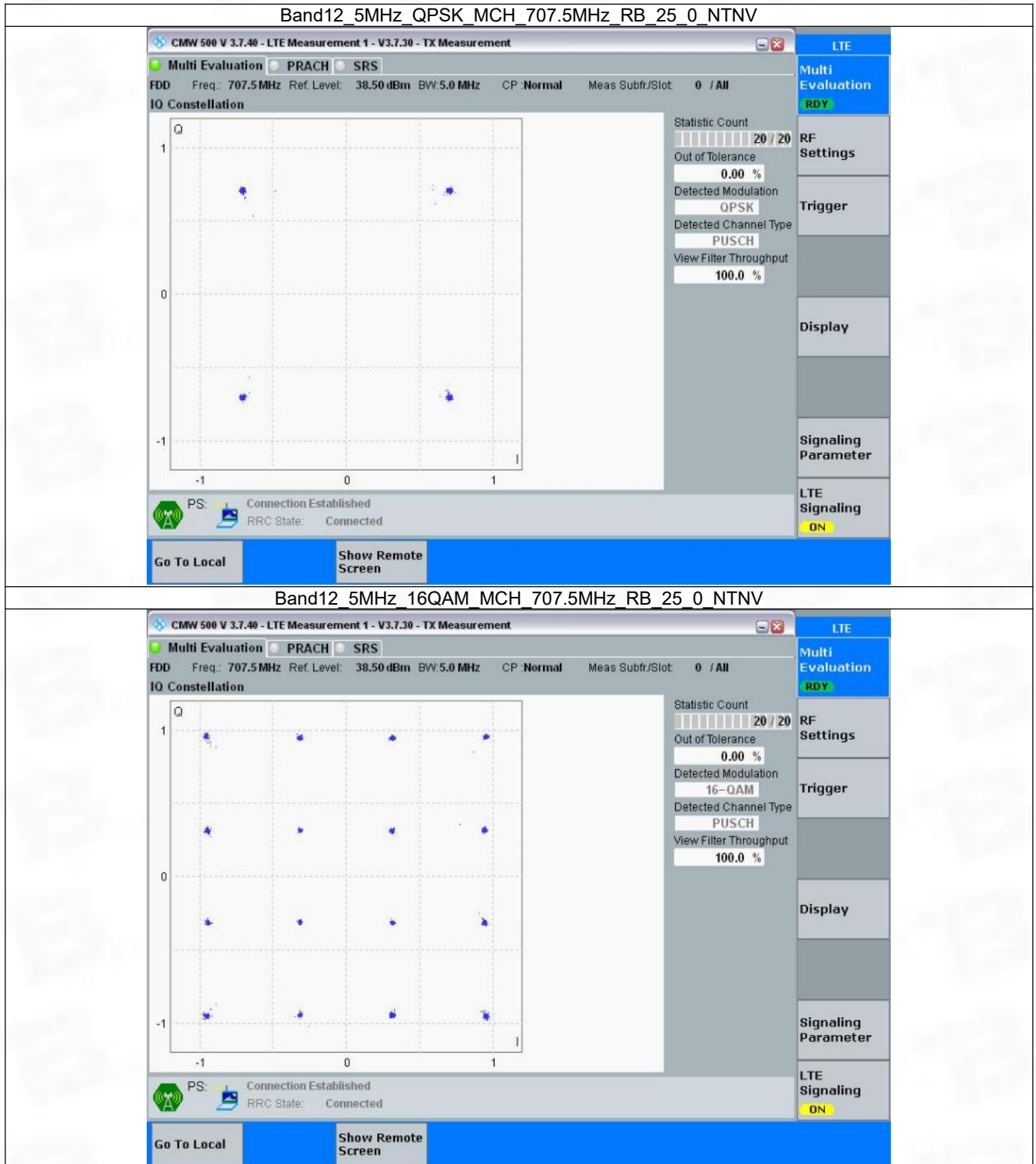
3.2.1 B12_1.4MHz



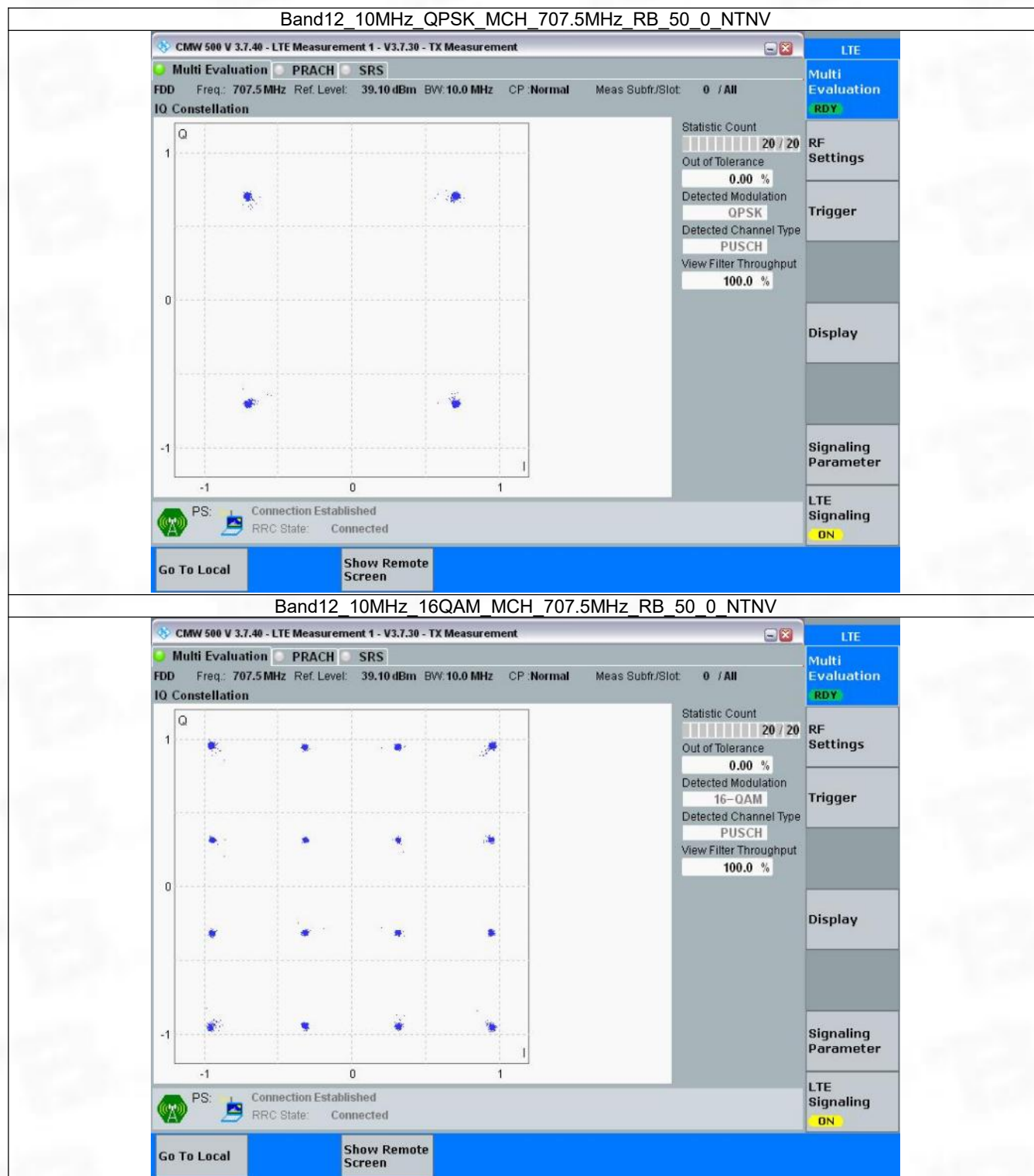
3.2.2 B12_3MHz



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	1.102	/	Pass
		707.5	6	0	1.109	/	Pass
		715.3	6	0	1.117	/	Pass
	16QAM	699.7	6	0	1.114	/	Pass
		707.5	6	0	1.117	/	Pass
		715.3	6	0	1.110	/	Pass
3	QPSK	700.5	15	0	2.732	/	Pass
		707.5	15	0	2.741	/	Pass
		714.5	15	0	2.724	/	Pass
	16QAM	700.5	15	0	2.715	/	Pass
		707.5	15	0	2.720	/	Pass
		714.5	15	0	2.719	/	Pass
5	QPSK	701.5	25	0	4.560	/	Pass
		707.5	25	0	4.588	/	Pass
		713.5	25	0	4.558	/	Pass
	16QAM	701.5	25	0	4.566	/	Pass
		707.5	25	0	4.581	/	Pass
		713.5	25	0	4.566	/	Pass
10	QPSK	704	50	0	9.057	/	Pass
		707.5	50	0	9.115	/	Pass
		711	50	0	9.076	/	Pass
	16QAM	704	50	0	9.025	/	Pass
		707.5	50	0	9.112	/	Pass
		711	50	0	9.036	/	Pass

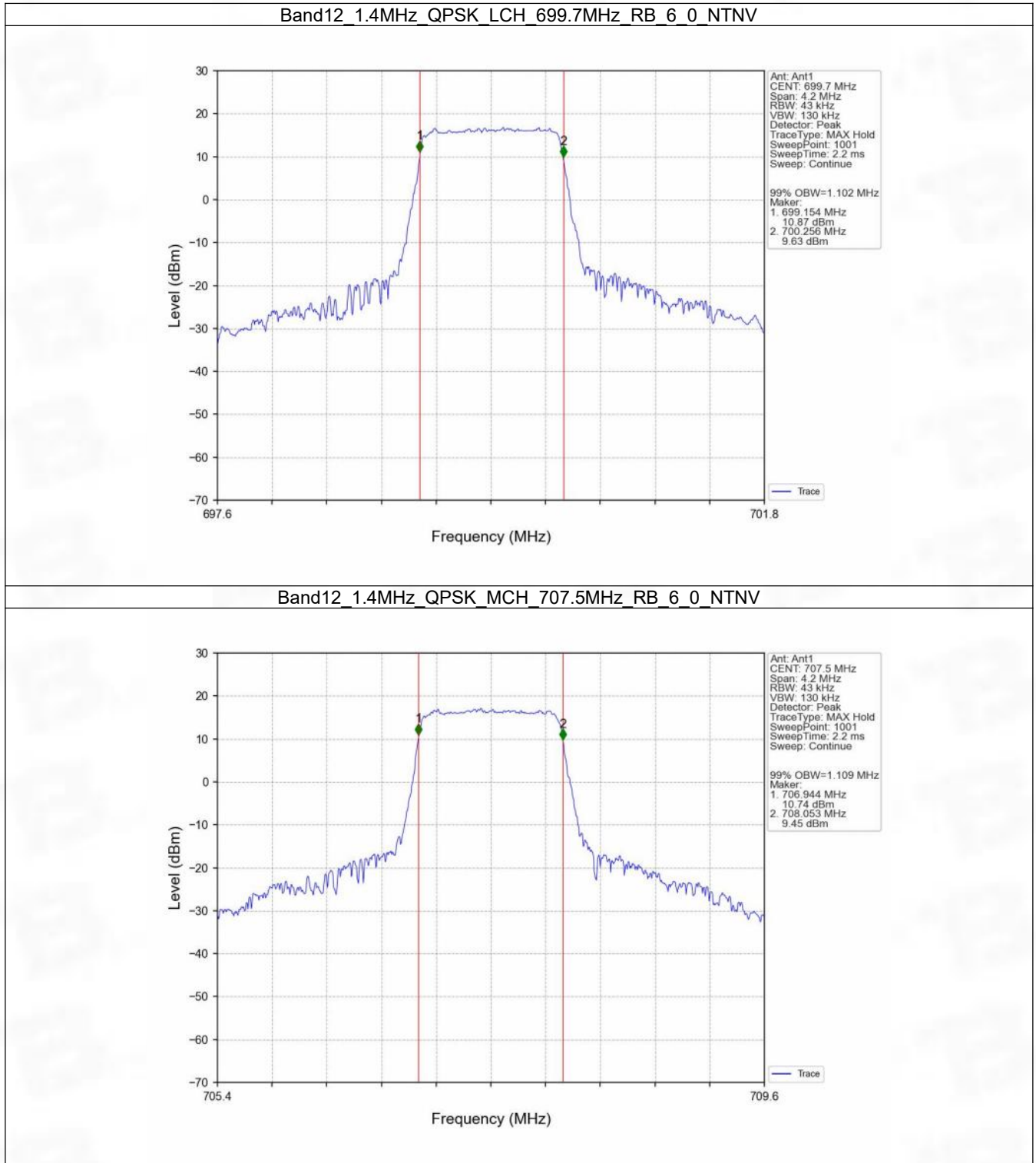
4.1.2 Band12_XDB

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	1.319	/	Pass
		707.5	6	0	1.319	/	Pass
		715.3	6	0	1.301	/	Pass
	16QAM	699.7	6	0	1.321	/	Pass
		707.5	6	0	1.322	/	Pass
		715.3	6	0	1.312	/	Pass
3	QPSK	700.5	15	0	2.994	/	Pass
		707.5	15	0	3.001	/	Pass
		714.5	15	0	3.000	/	Pass
	16QAM	700.5	15	0	2.996	/	Pass
		707.5	15	0	2.994	/	Pass
		714.5	15	0	2.981	/	Pass
5	QPSK	701.5	25	0	5.271	/	Pass
		707.5	25	0	5.559	/	Pass
		713.5	25	0	5.210	/	Pass

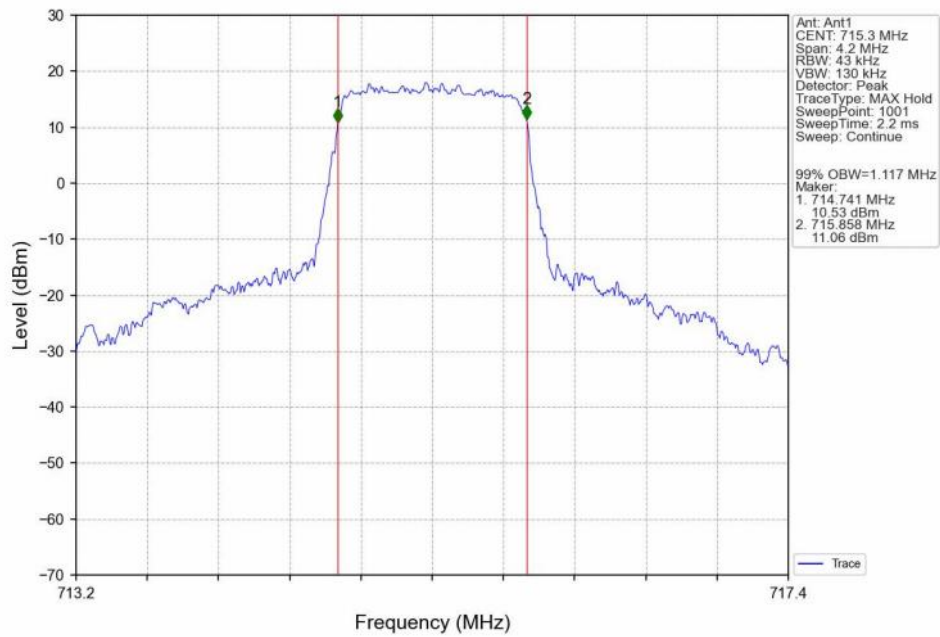
	16QAM	701.5	25	0	5.246	/	Pass
		707.5	25	0	5.250	/	Pass
		713.5	25	0	5.265	/	Pass
10	QPSK	704	50	0	10.232	/	Pass
		707.5	50	0	10.256	/	Pass
		711	50	0	10.301	/	Pass
	16QAM	704	50	0	10.177	/	Pass
		707.5	50	0	10.335	/	Pass
		711	50	0	10.176	/	Pass

4.2 Test Graph

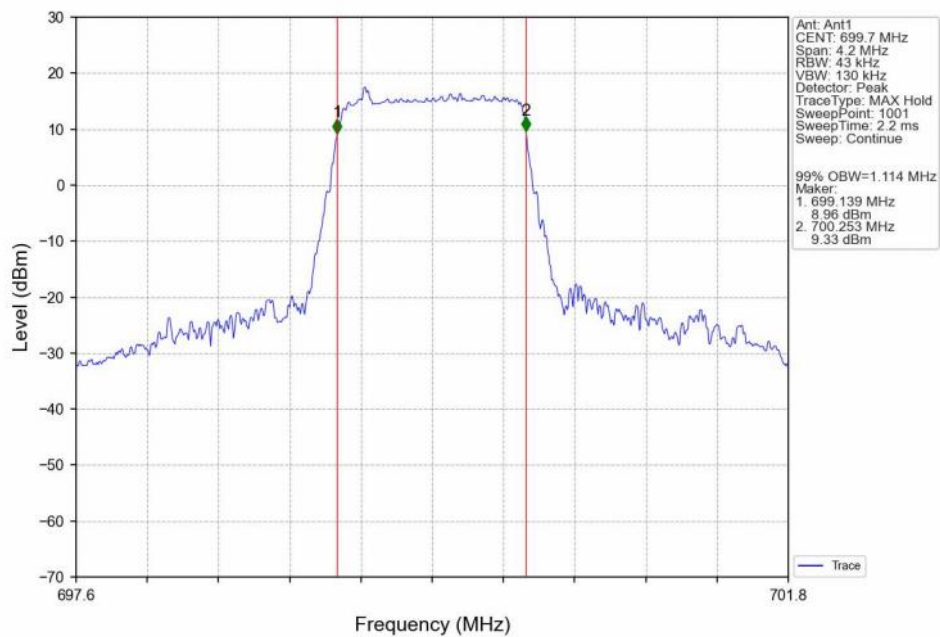
4.2.1 Band12_OBW



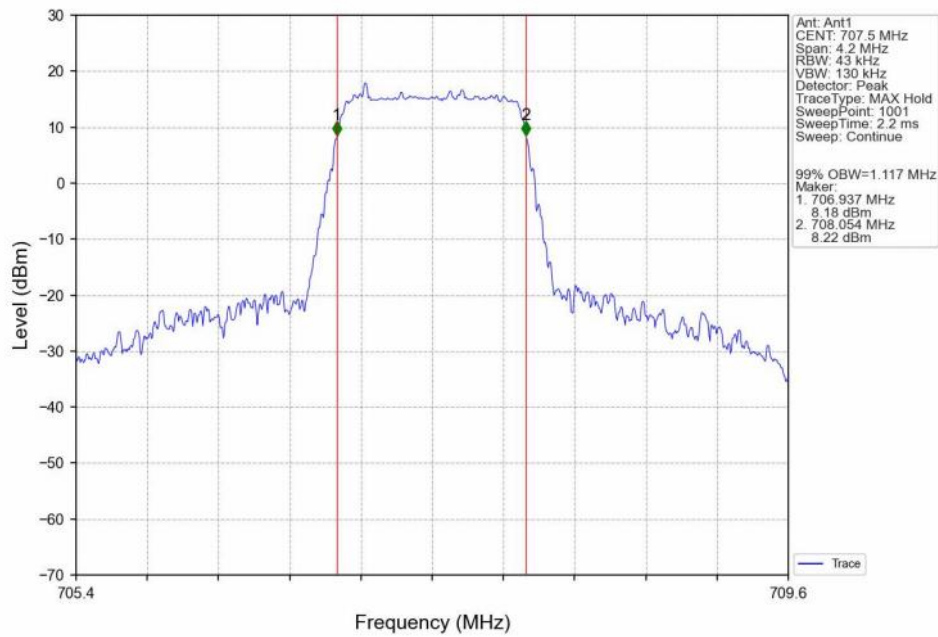
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



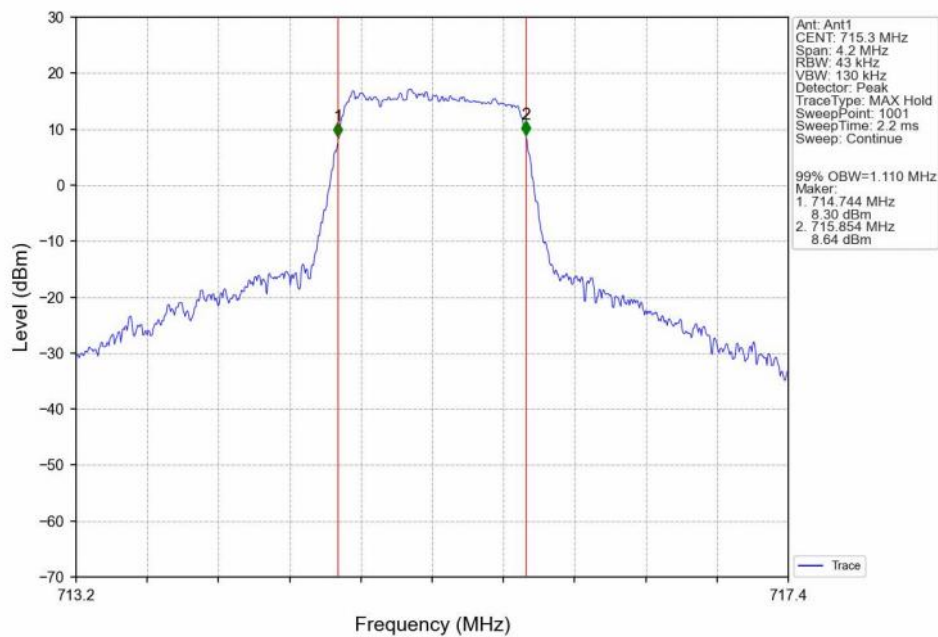
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



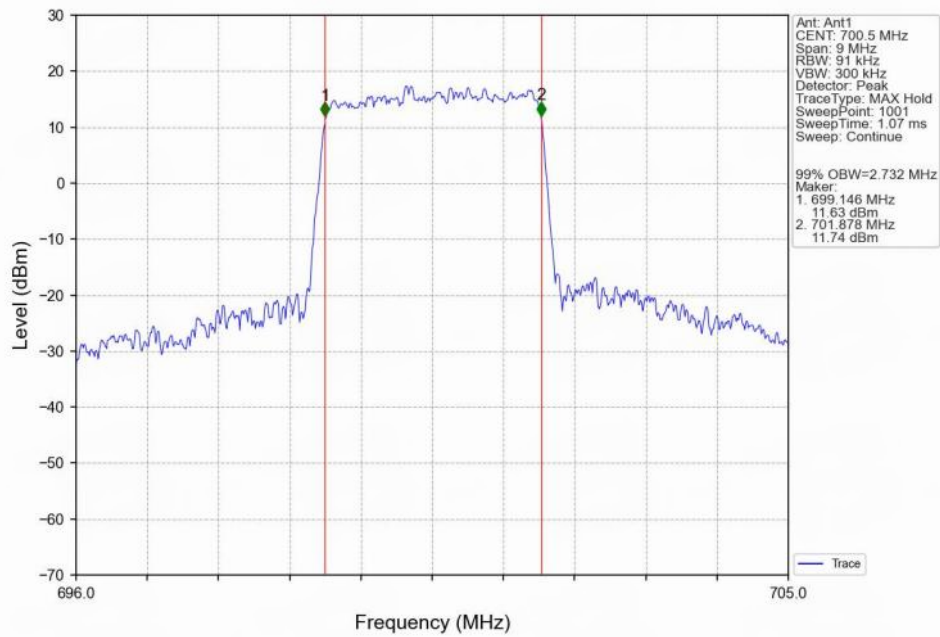
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



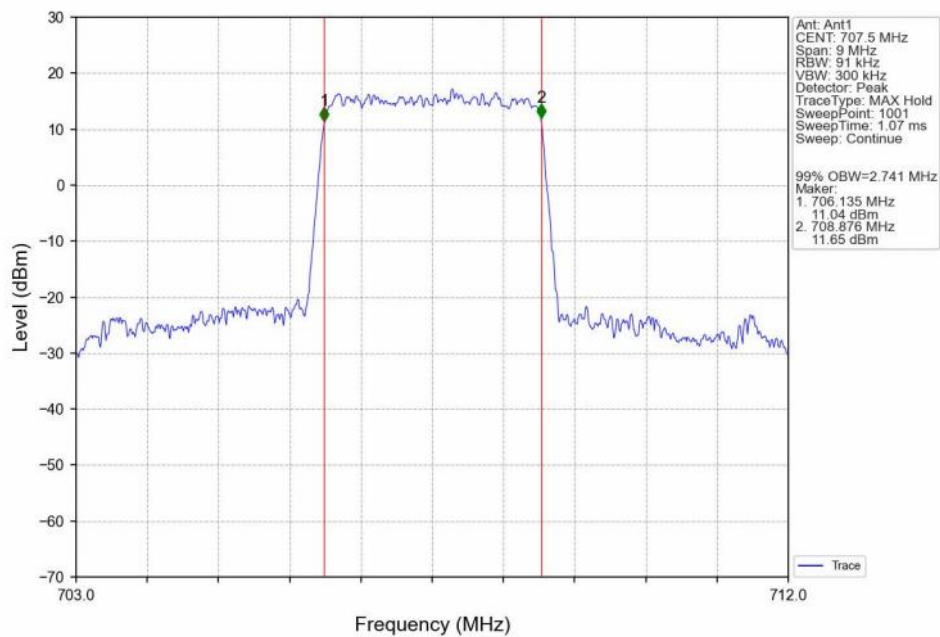
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



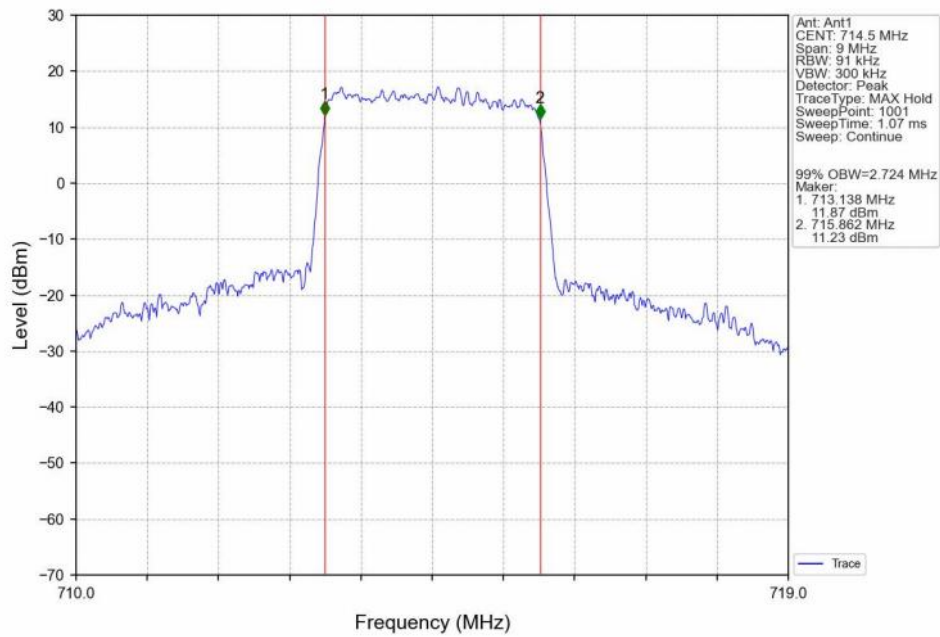
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



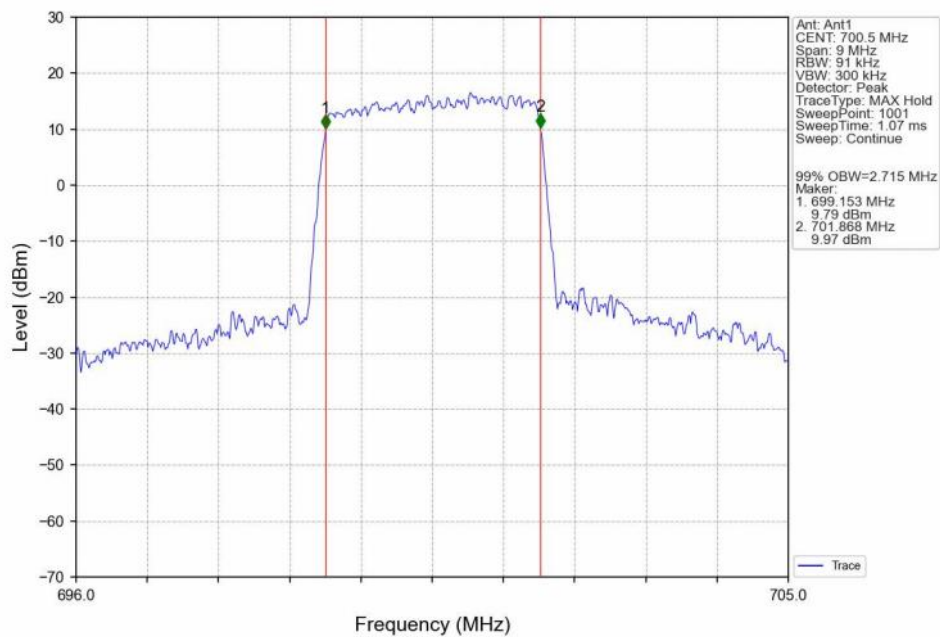
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



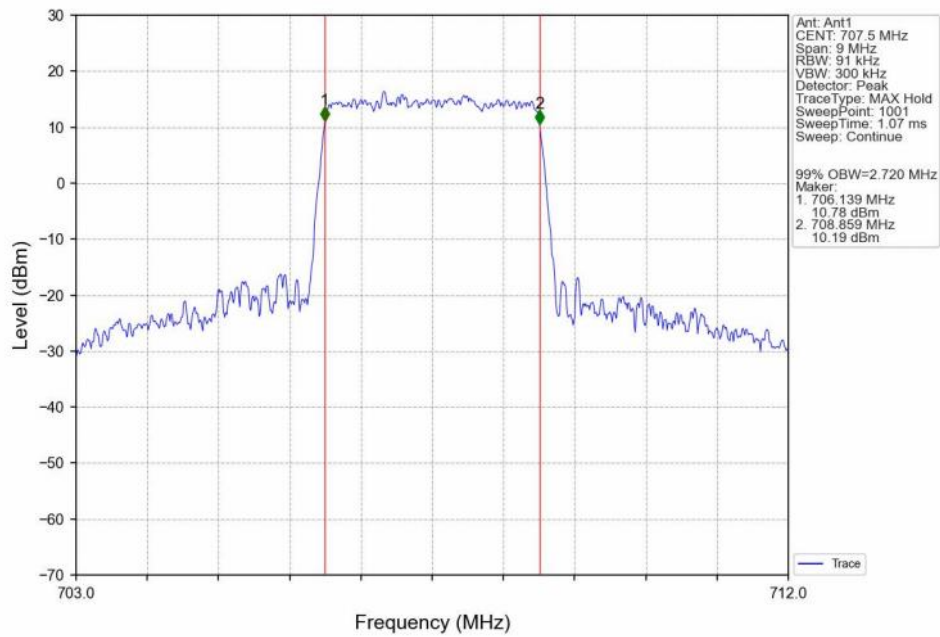
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



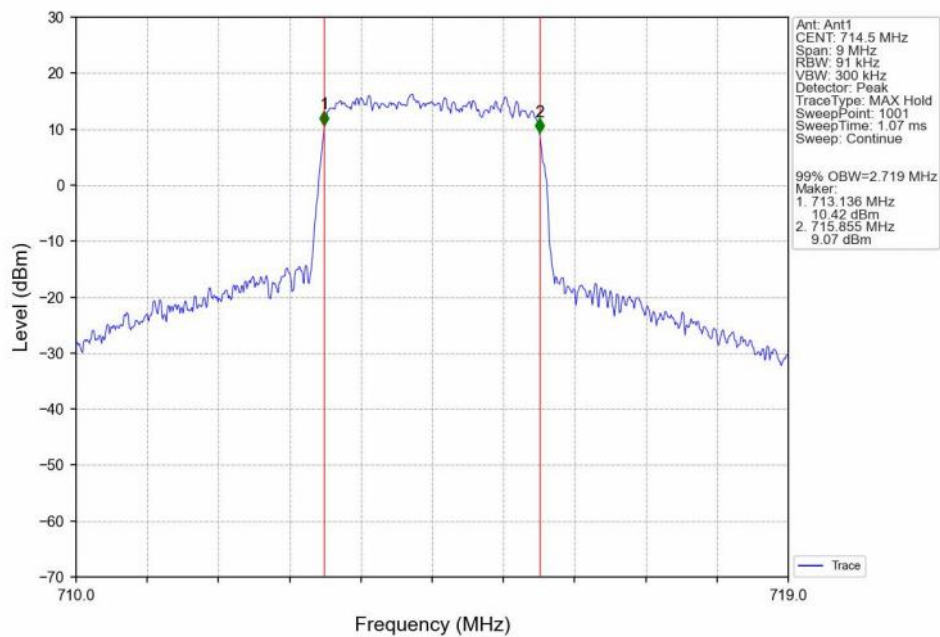
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



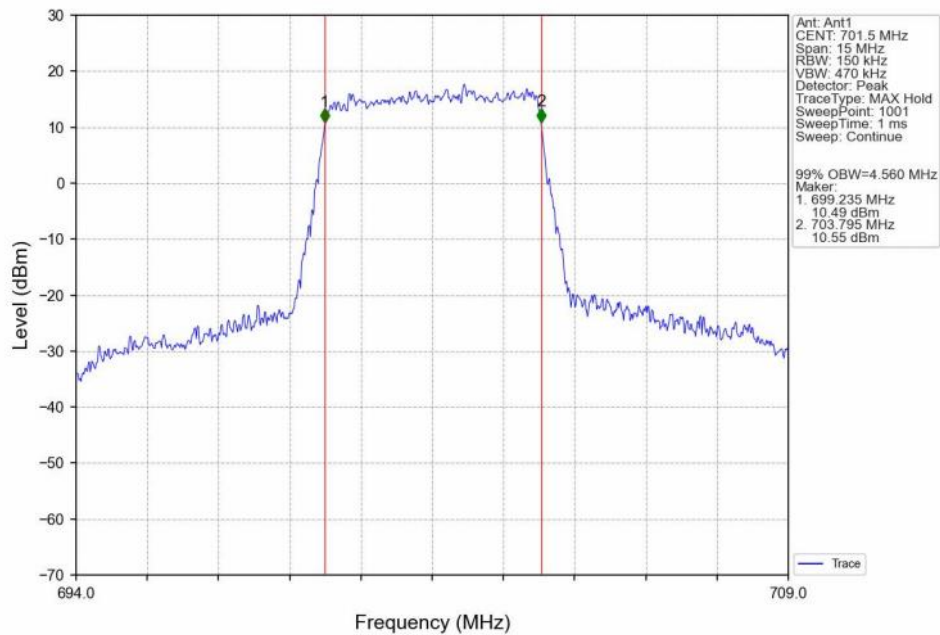
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



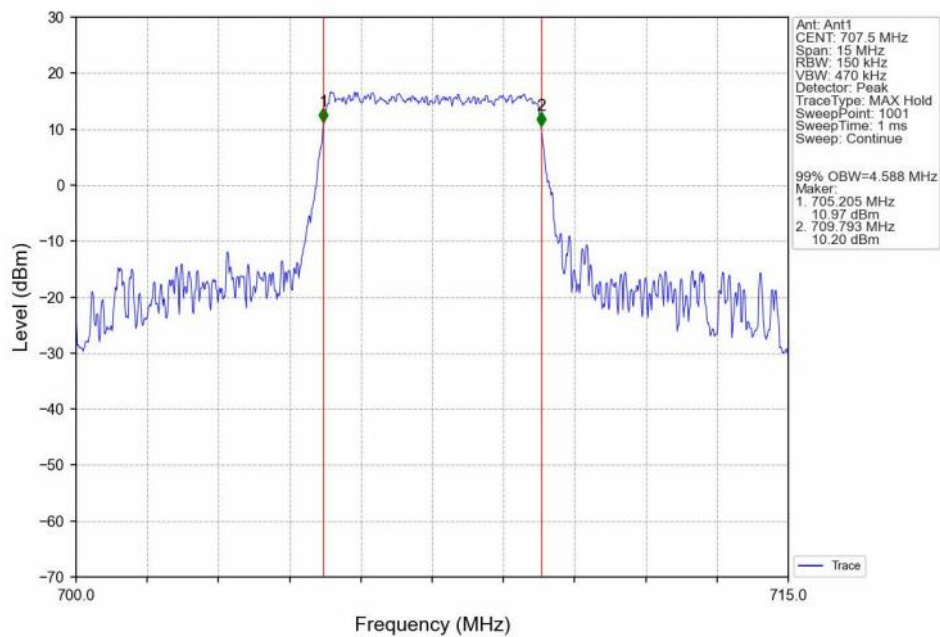
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



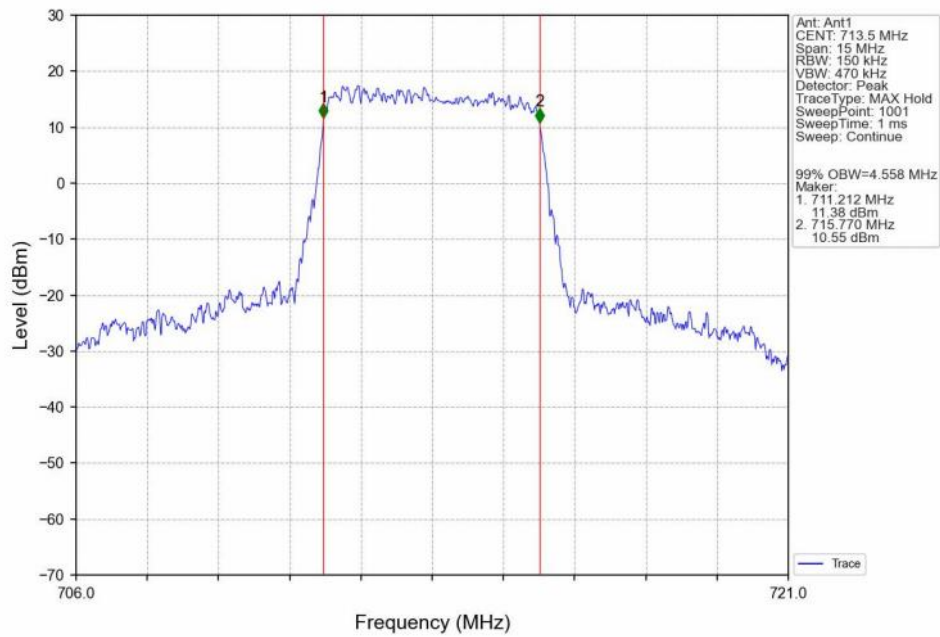
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



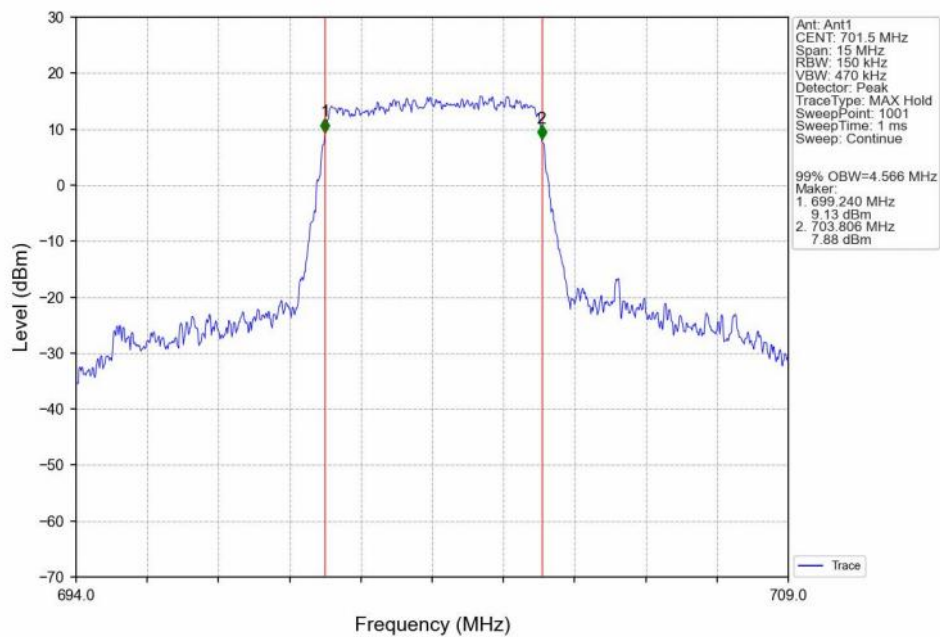
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



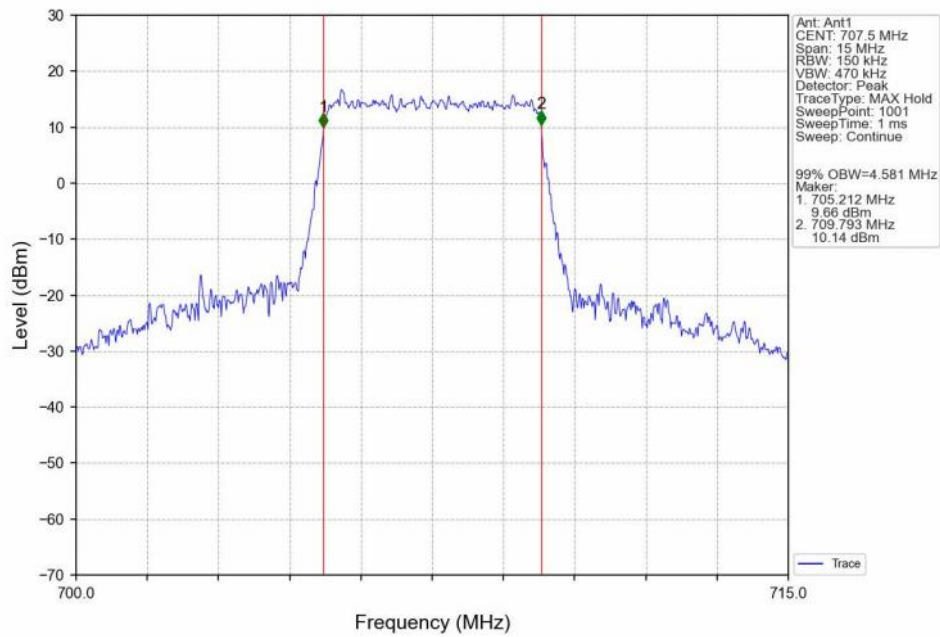
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



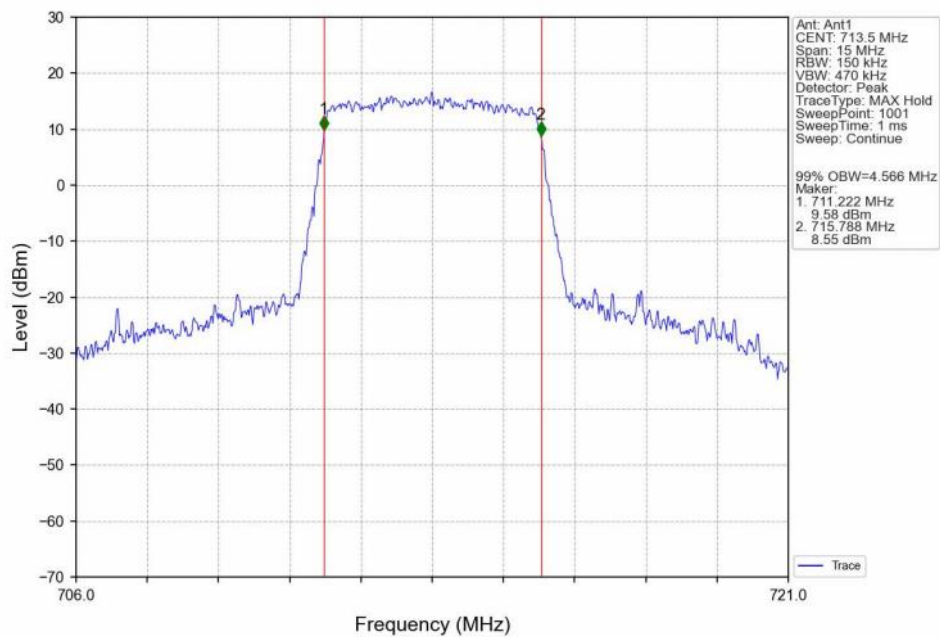
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



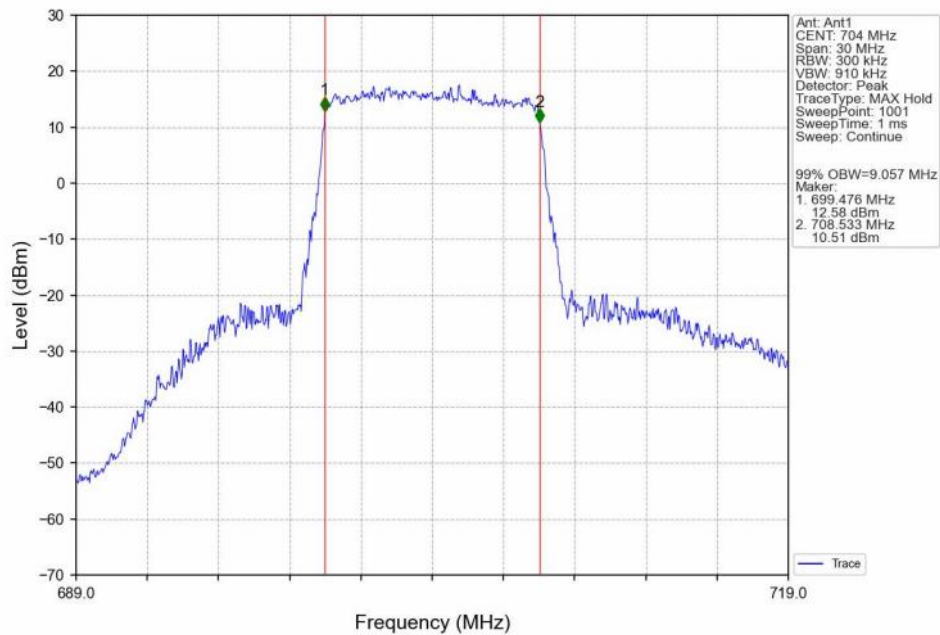
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



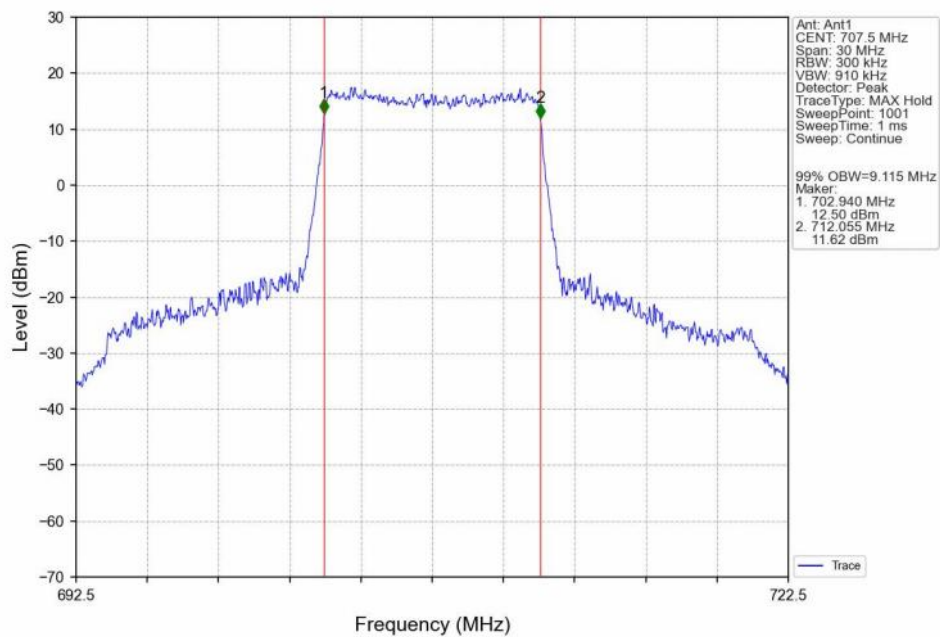
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



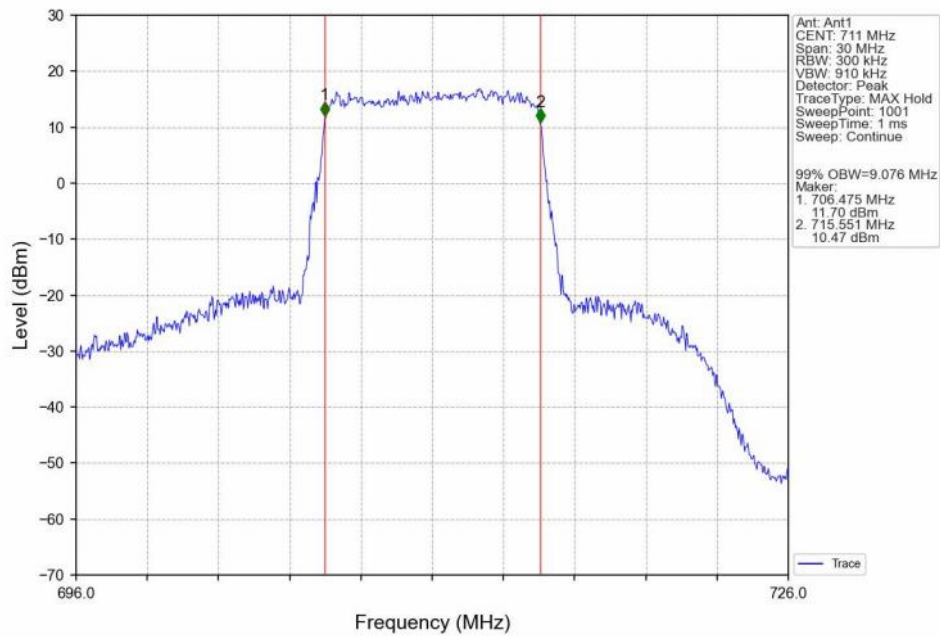
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



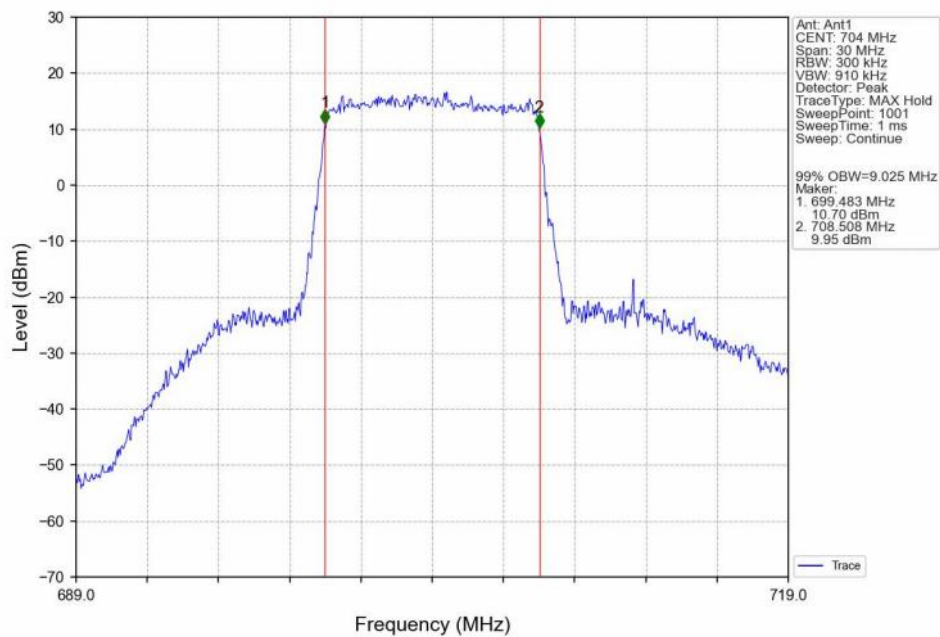
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



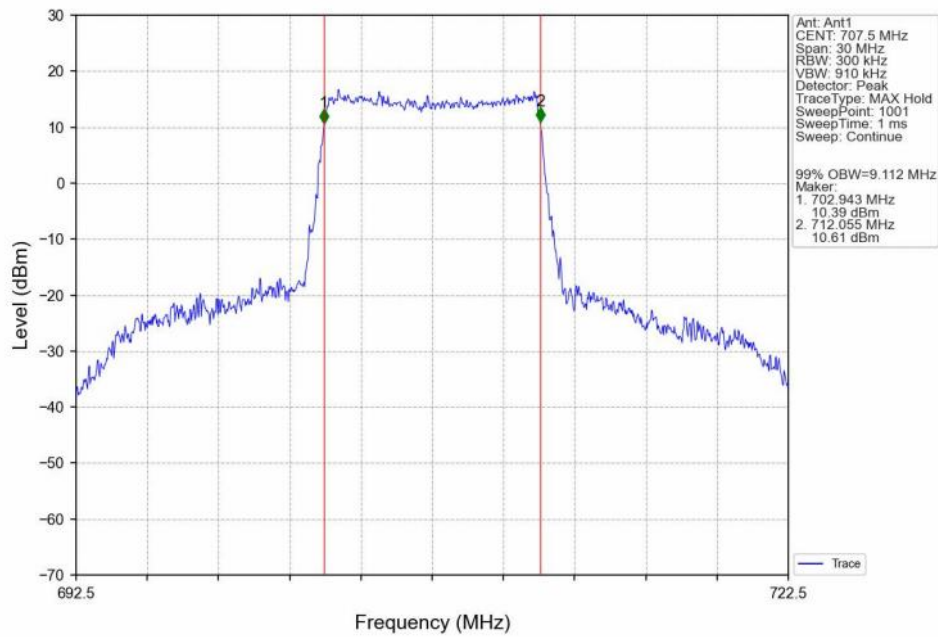
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



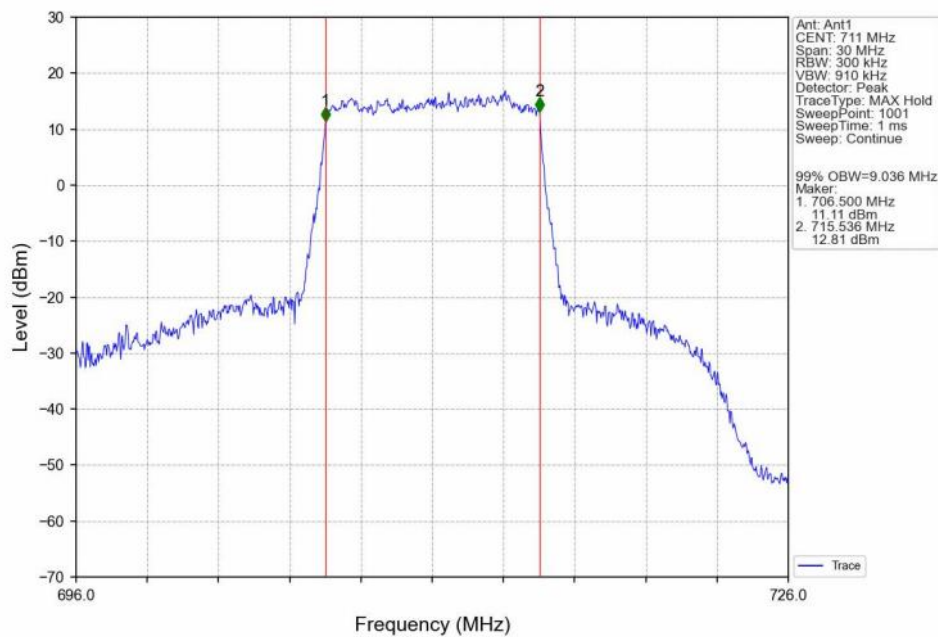
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



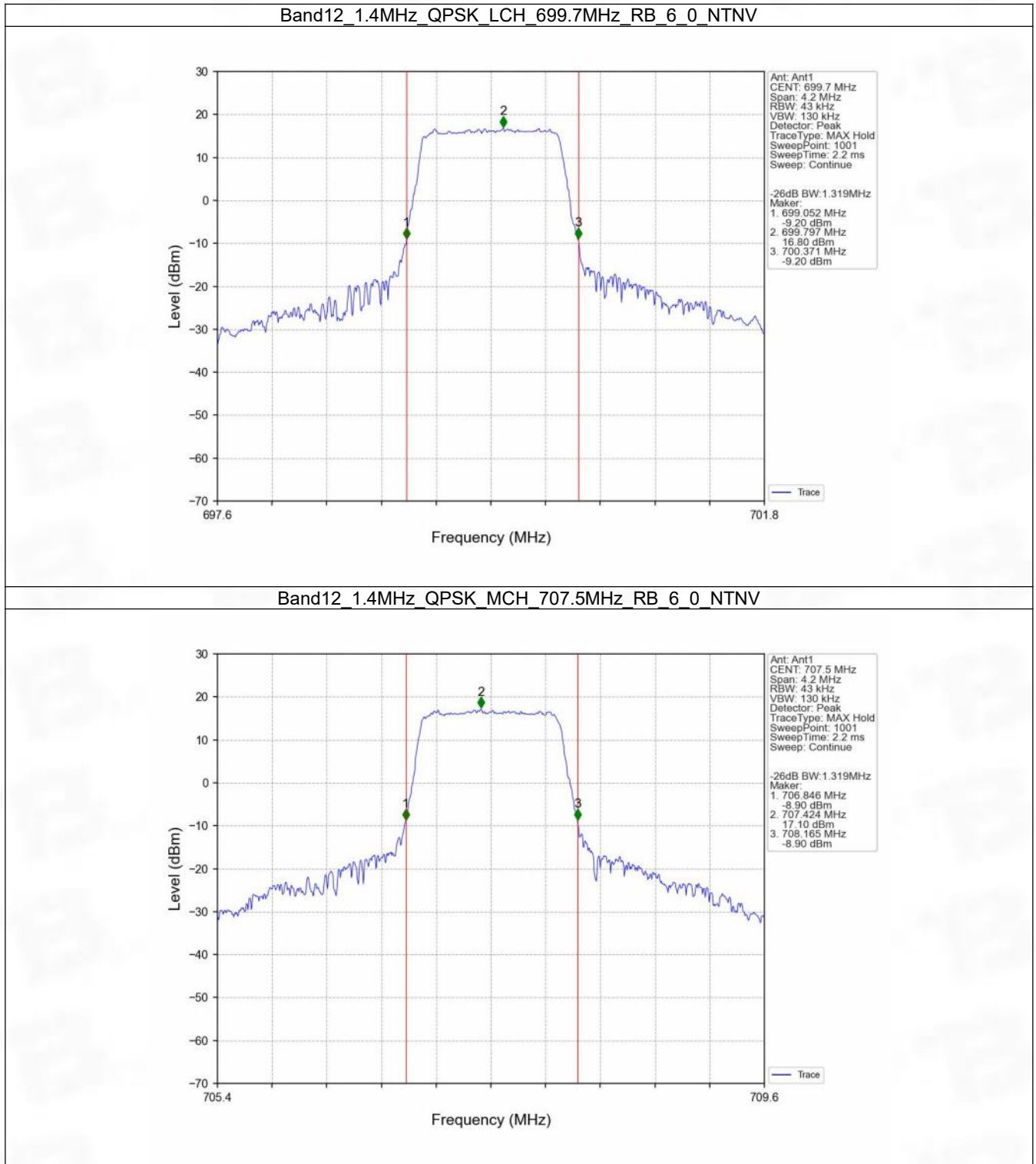
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



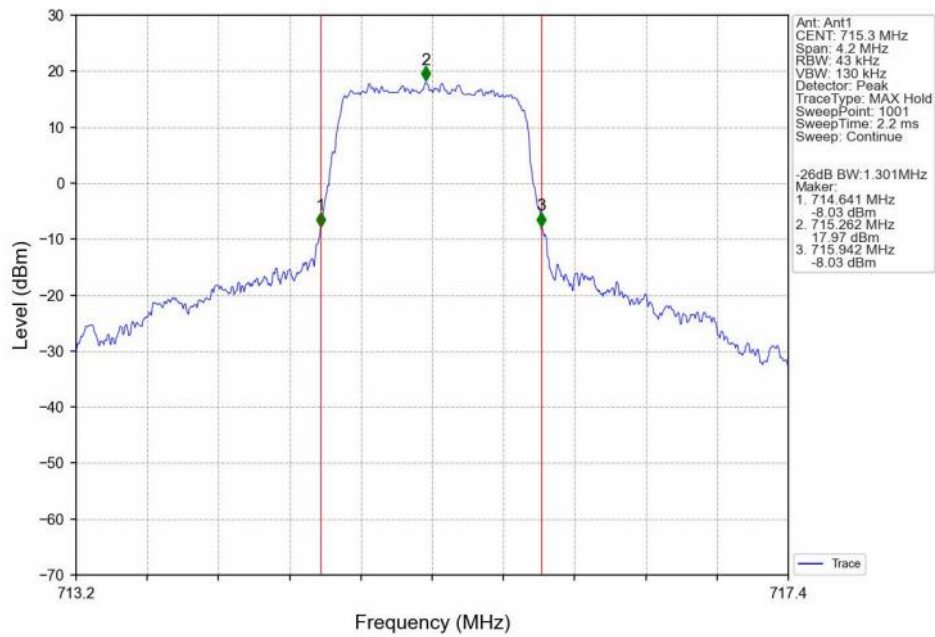
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



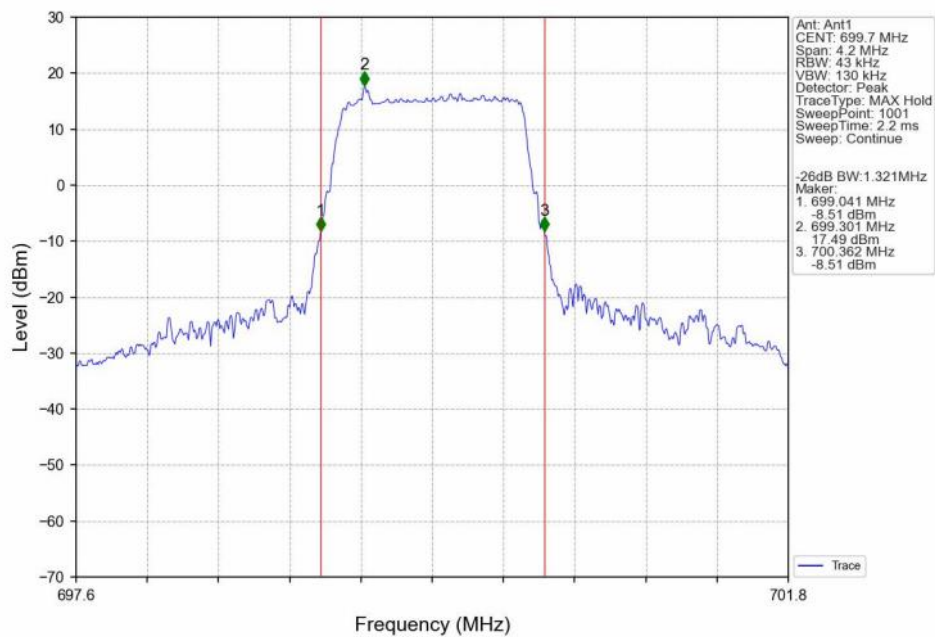
4.2.2 Band12_XDB



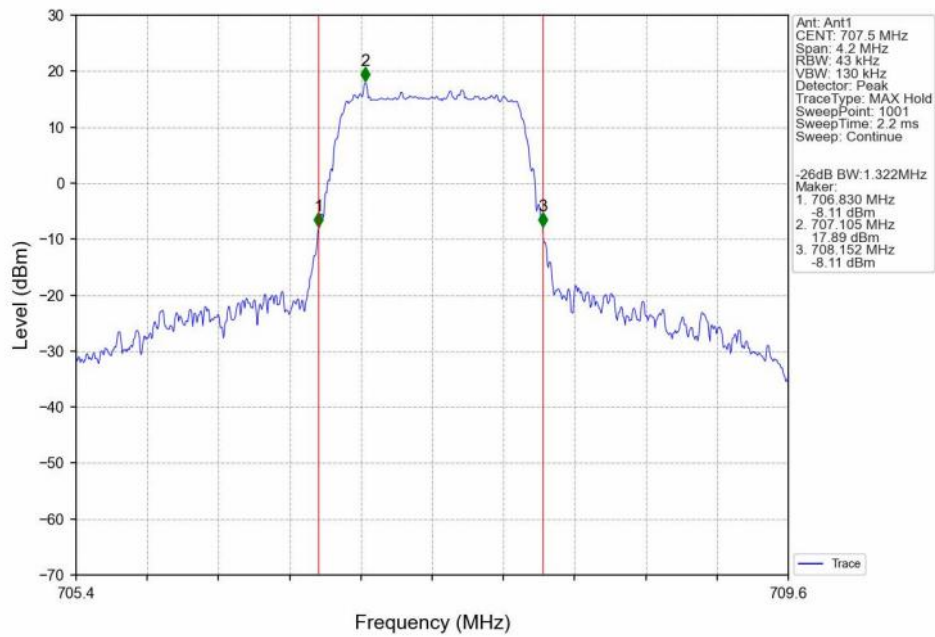
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



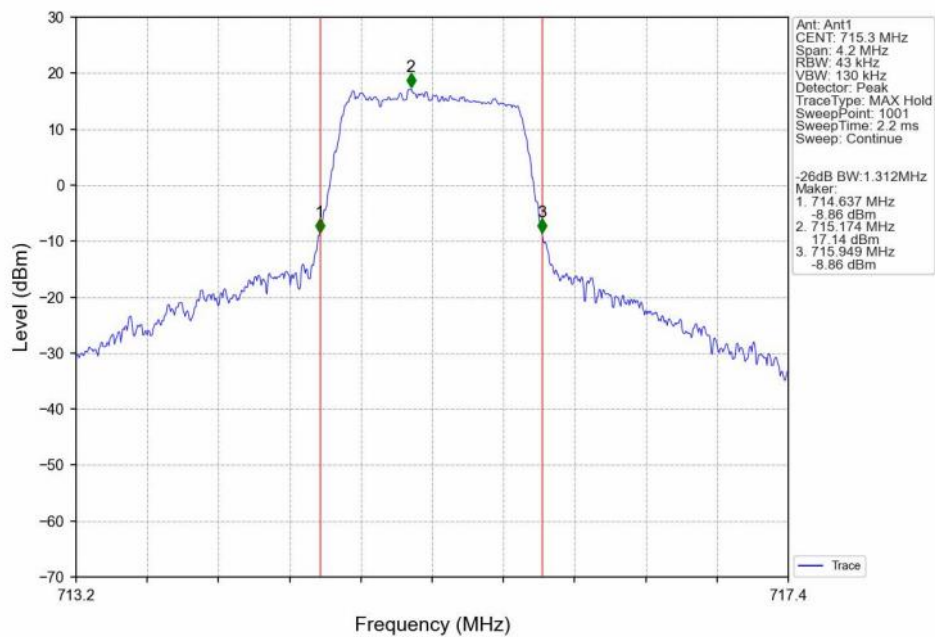
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



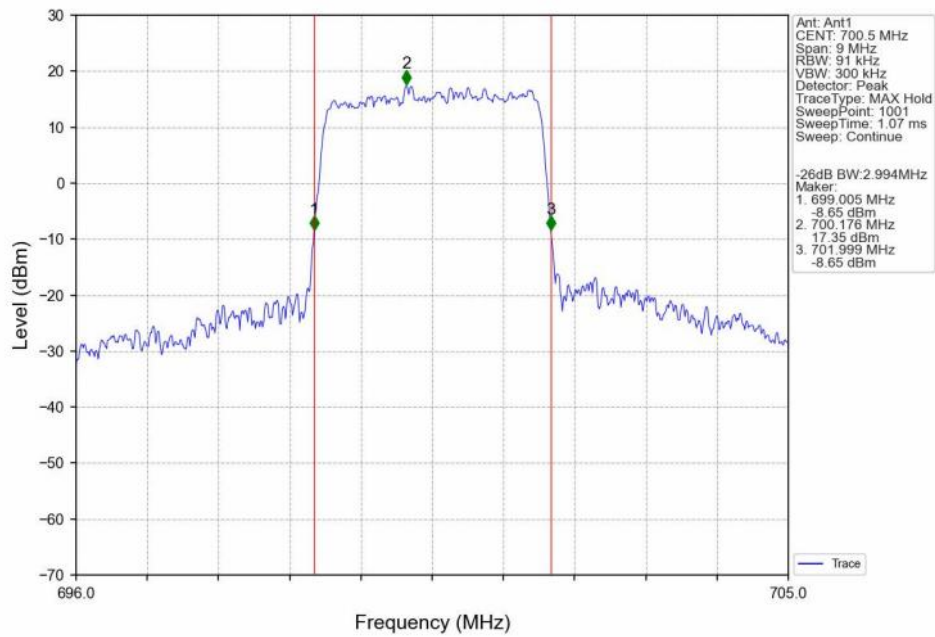
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



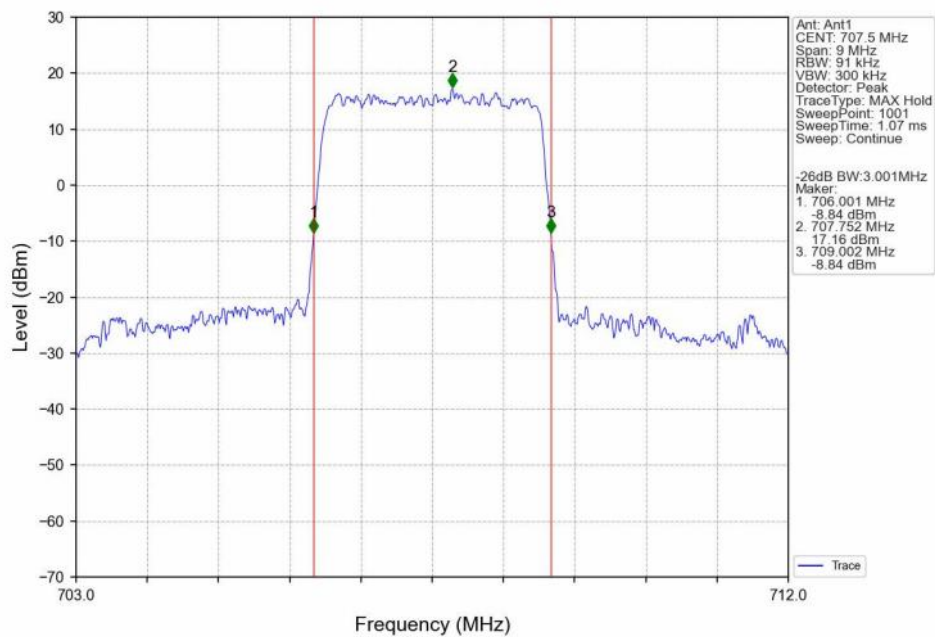
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



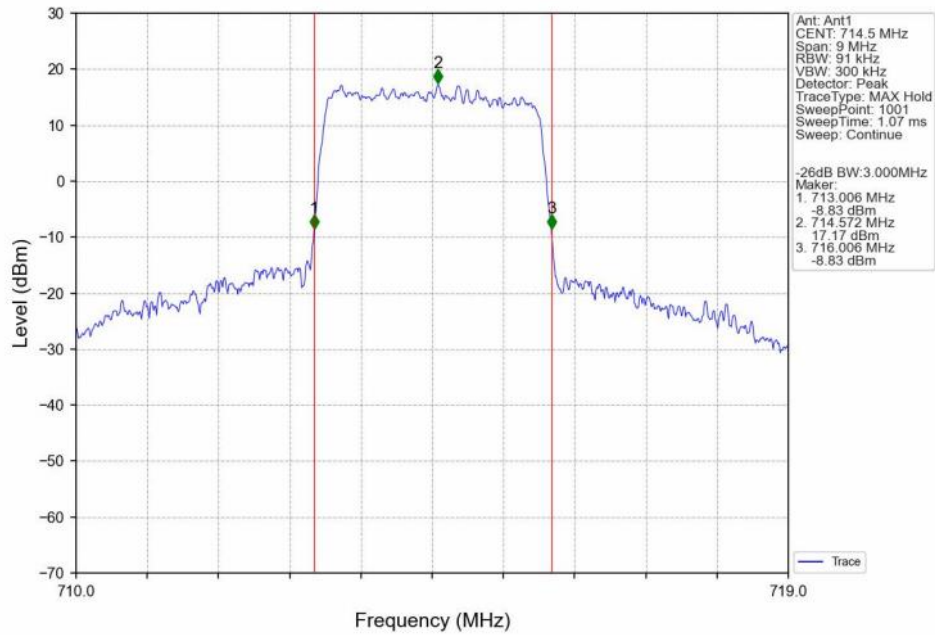
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



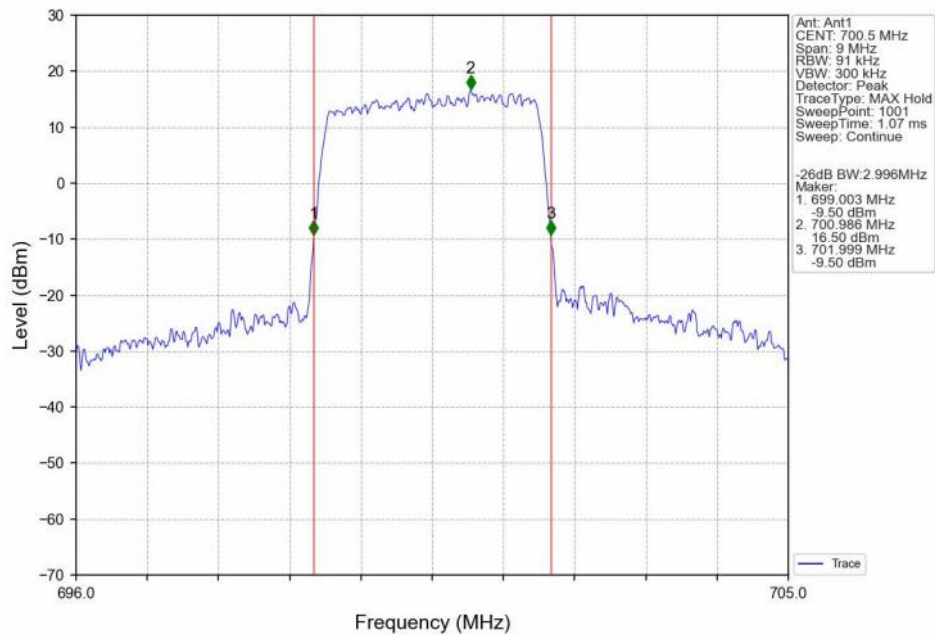
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



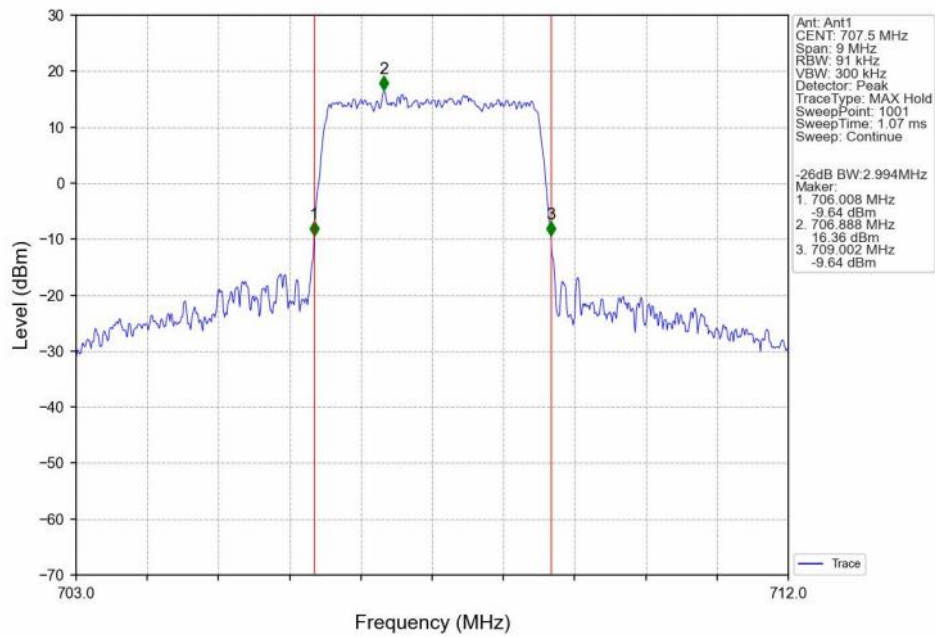
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



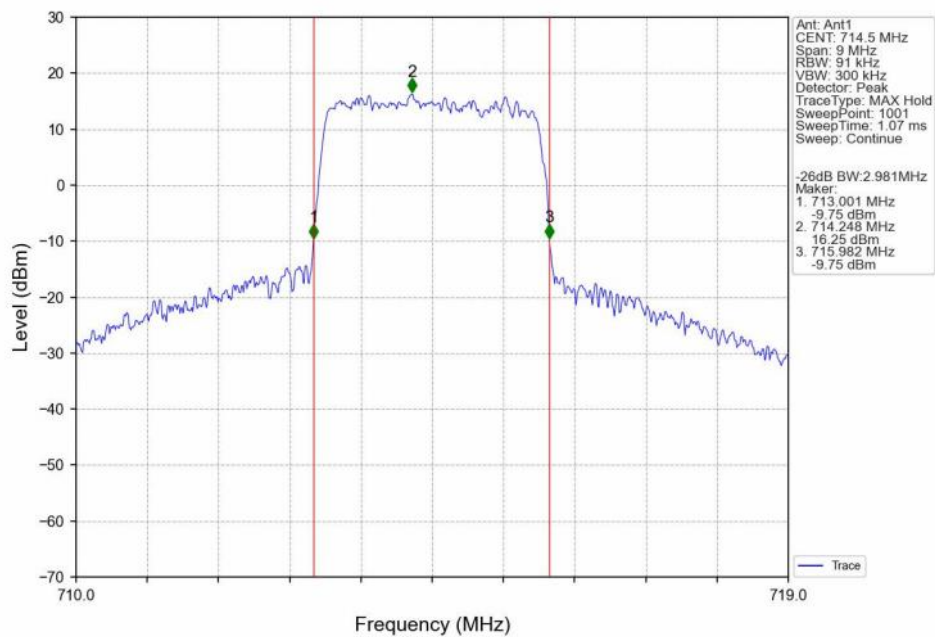
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



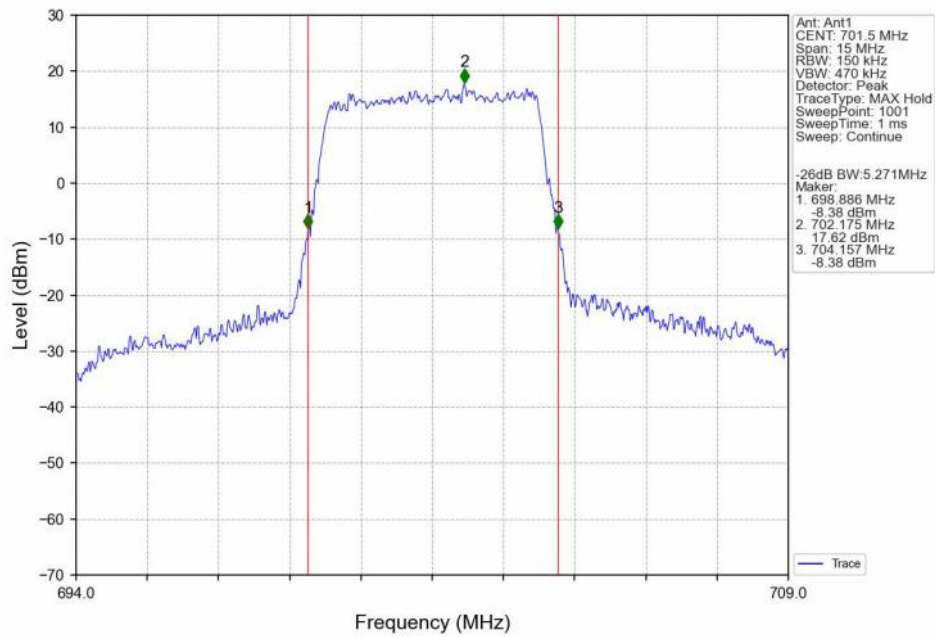
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



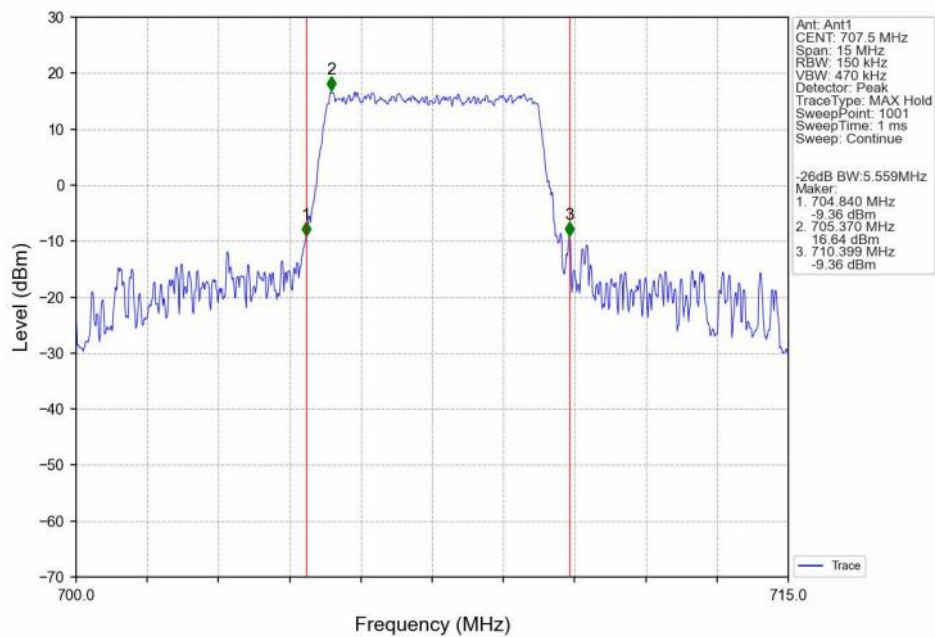
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



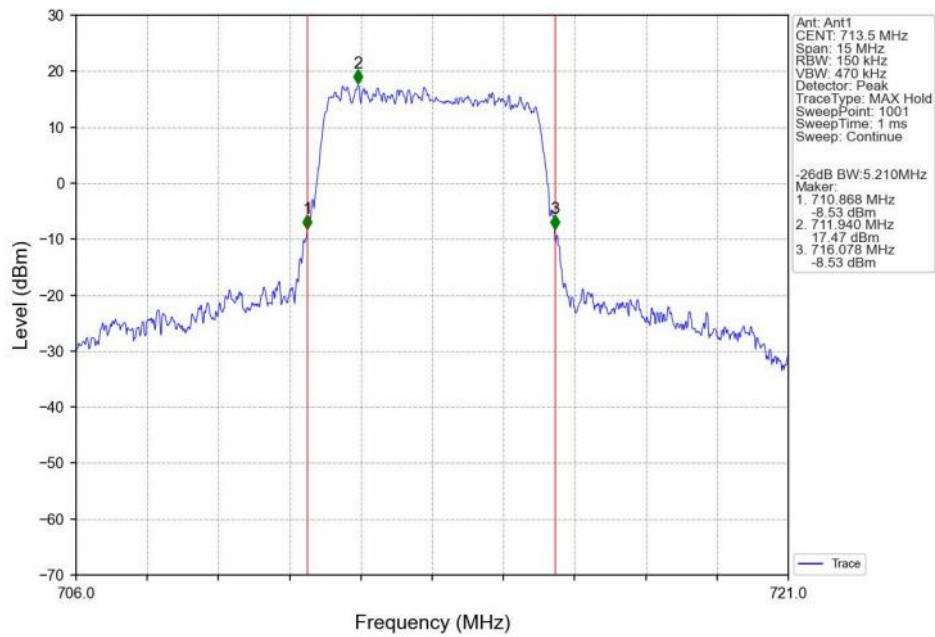
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



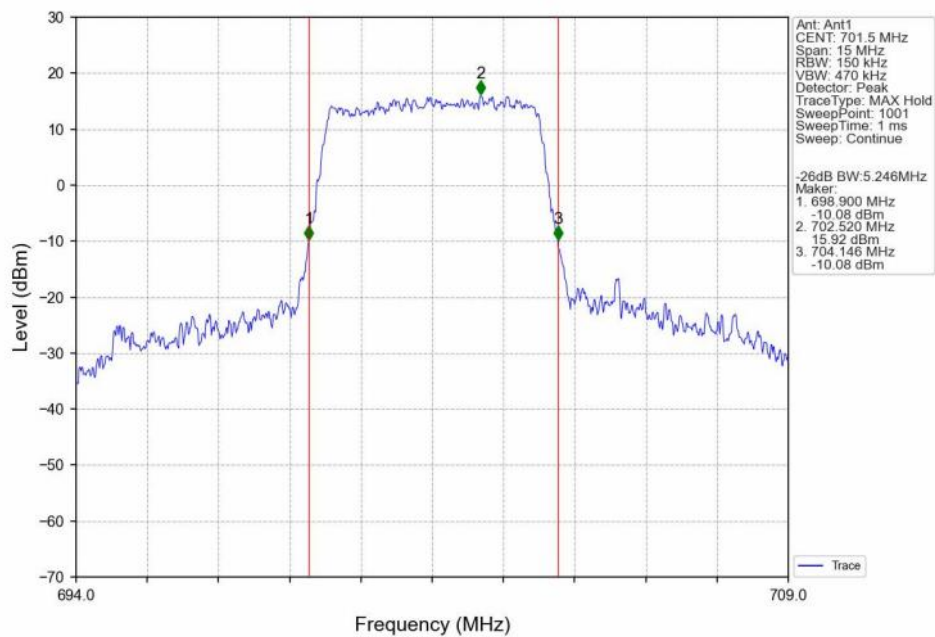
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



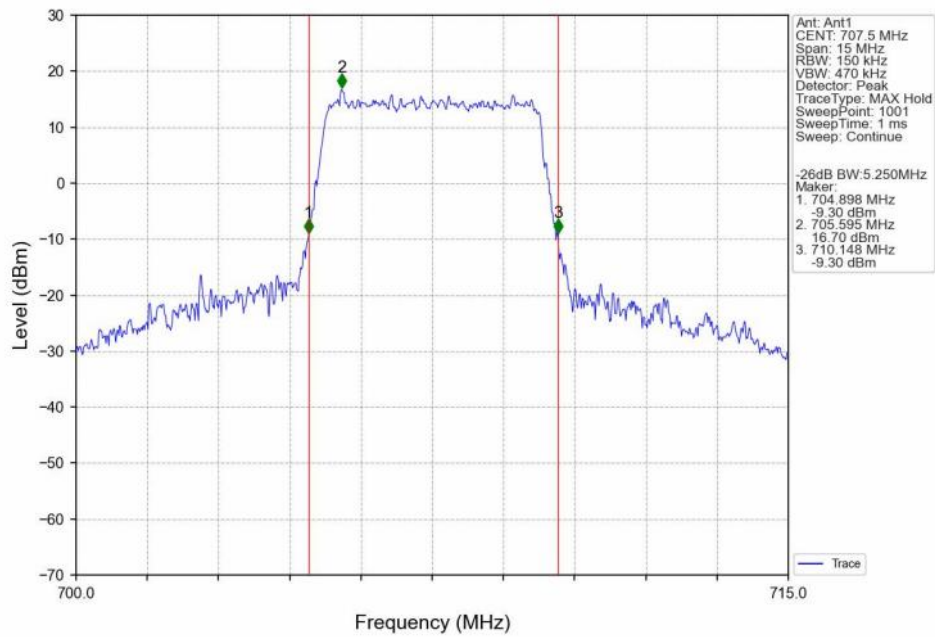
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



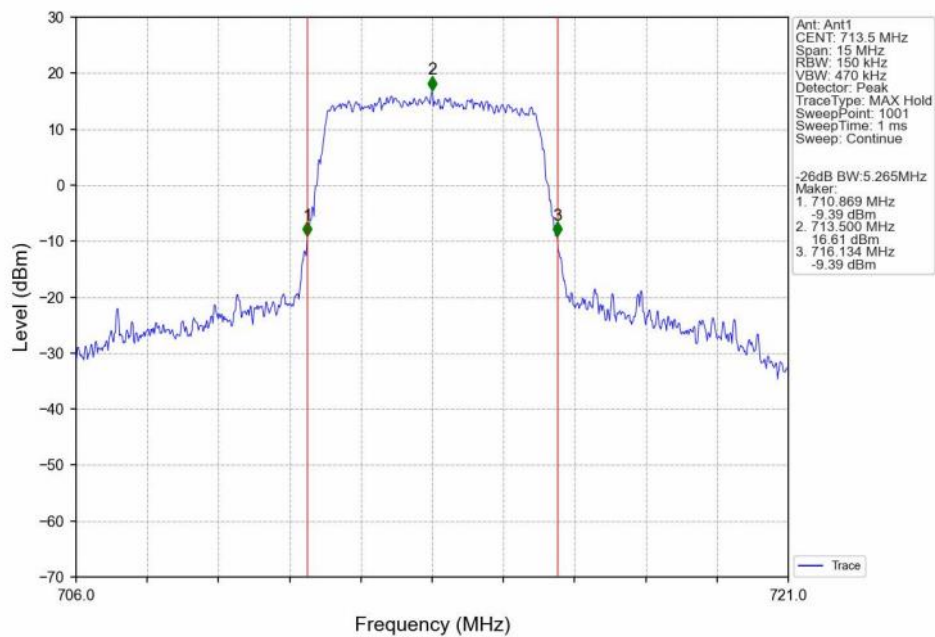
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



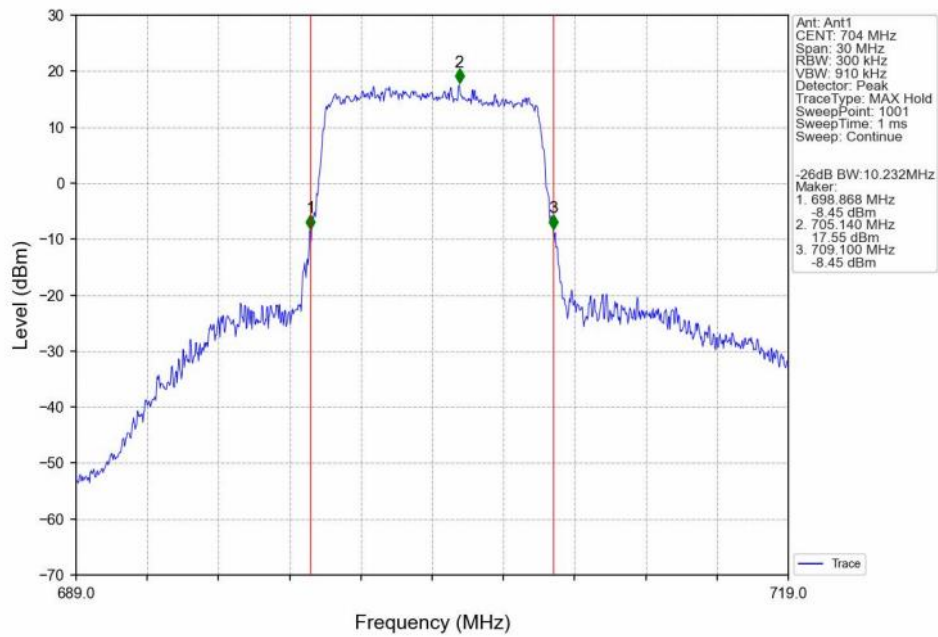
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



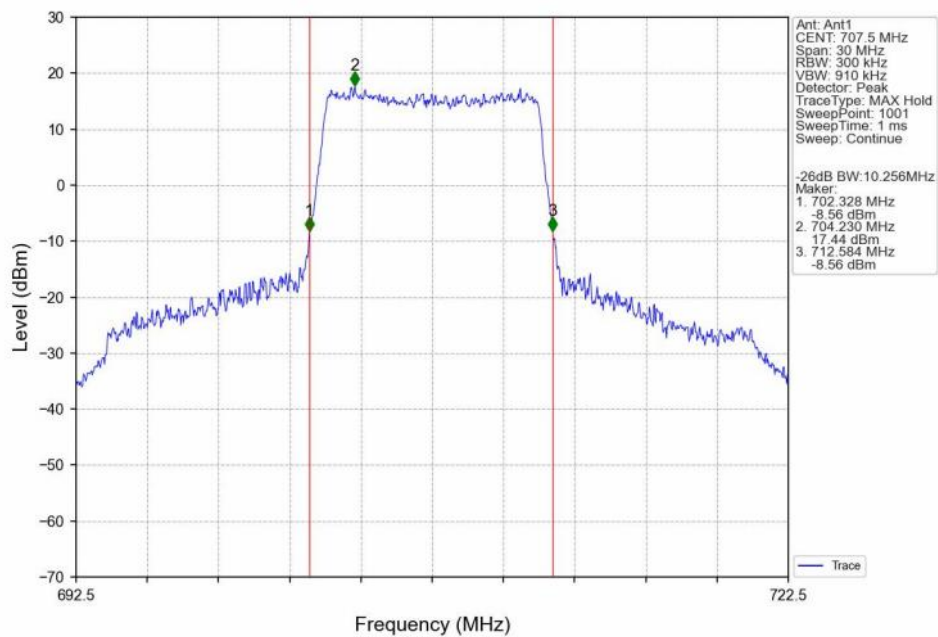
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



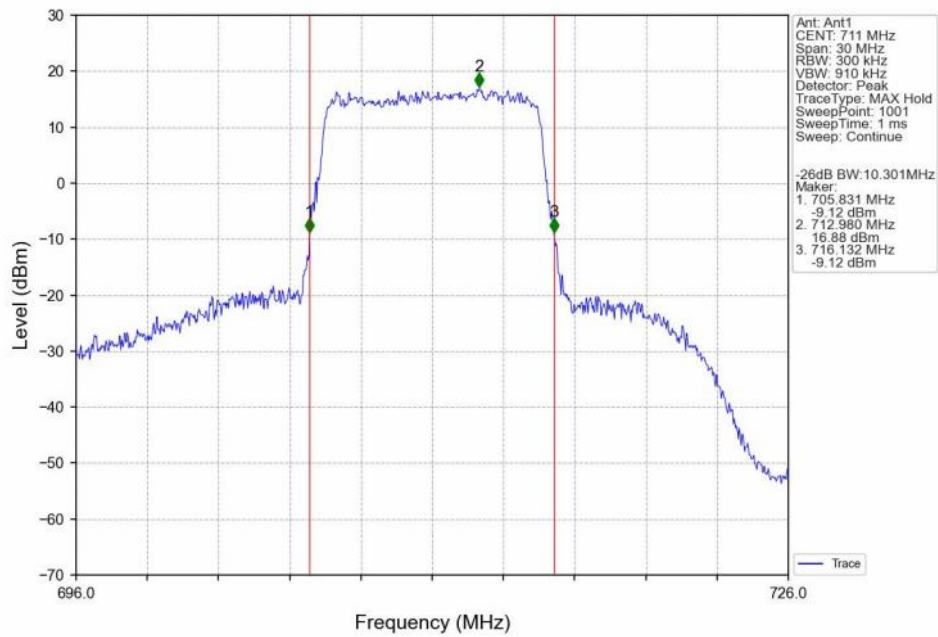
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



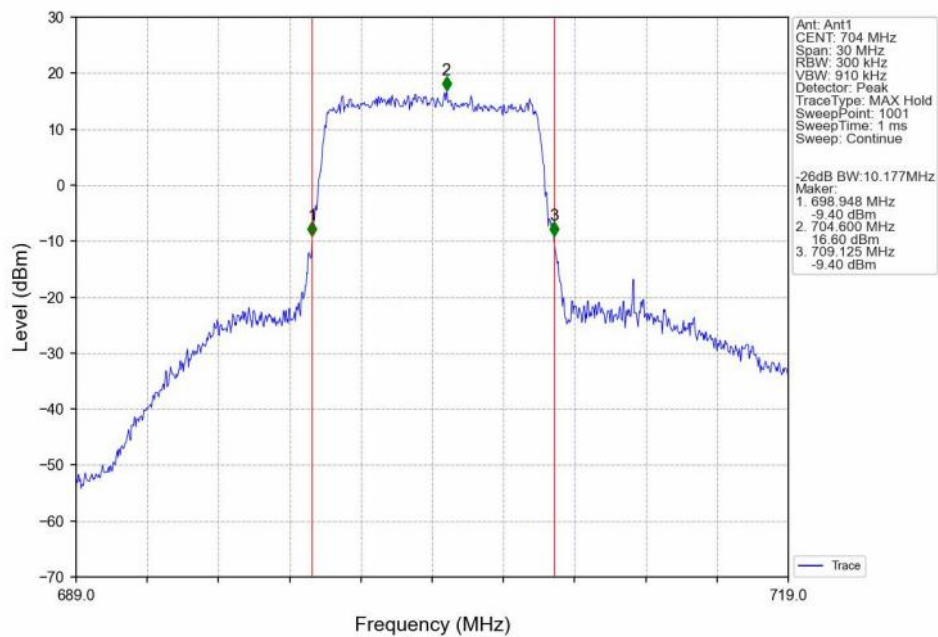
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



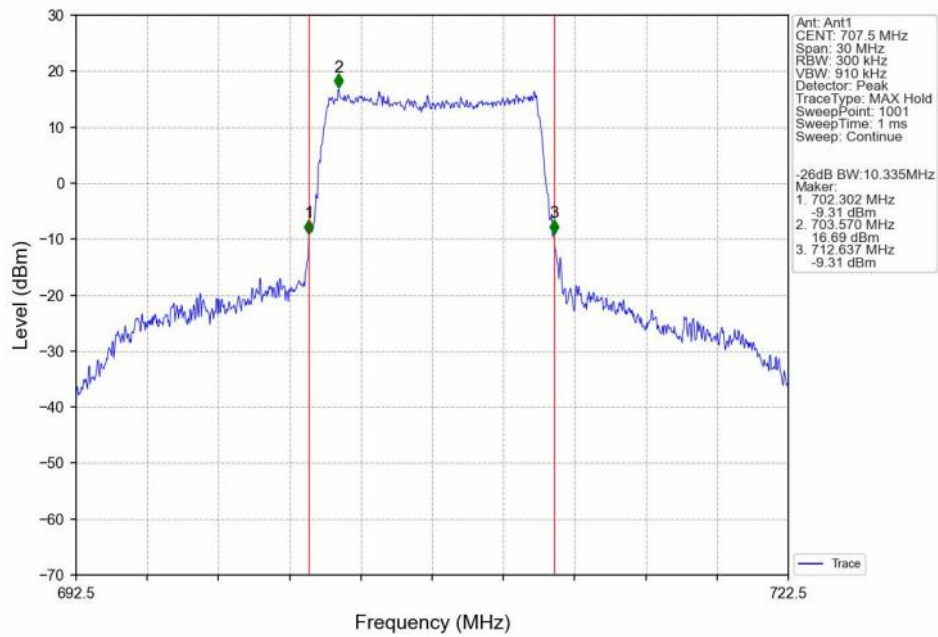
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



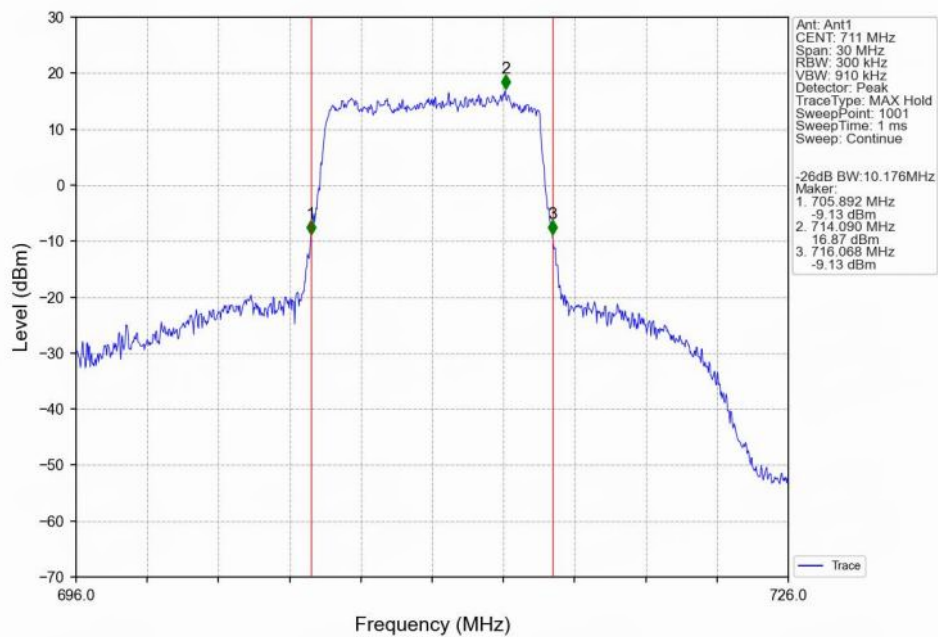
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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	5.19	≤ 13	Pass
	707.5	6	0	5.24	≤ 13	Pass
	715.3	6	0	4.35	≤ 13	Pass
16QAM	699.7	6	0	6.00	≤ 13	Pass
	707.5	6	0	6.08	≤ 13	Pass
	715.3	6	0	5.24	≤ 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	5.16	≤ 13	Pass
	707.5	15	0	5.31	≤ 13	Pass
	714.5	15	0	4.69	≤ 13	Pass
16QAM	700.5	15	0	6.00	≤ 13	Pass
	707.5	15	0	6.20	≤ 13	Pass
	714.5	15	0	5.56	≤ 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	5.22	≤ 13	Pass
	707.5	25	0	5.53	≤ 13	Pass
	713.5	25	0	5.11	≤ 13	Pass
16QAM	701.5	25	0	6.00	≤ 13	Pass
	707.5	25	0	6.25	≤ 13	Pass
	713.5	25	0	5.89	≤ 13	Pass

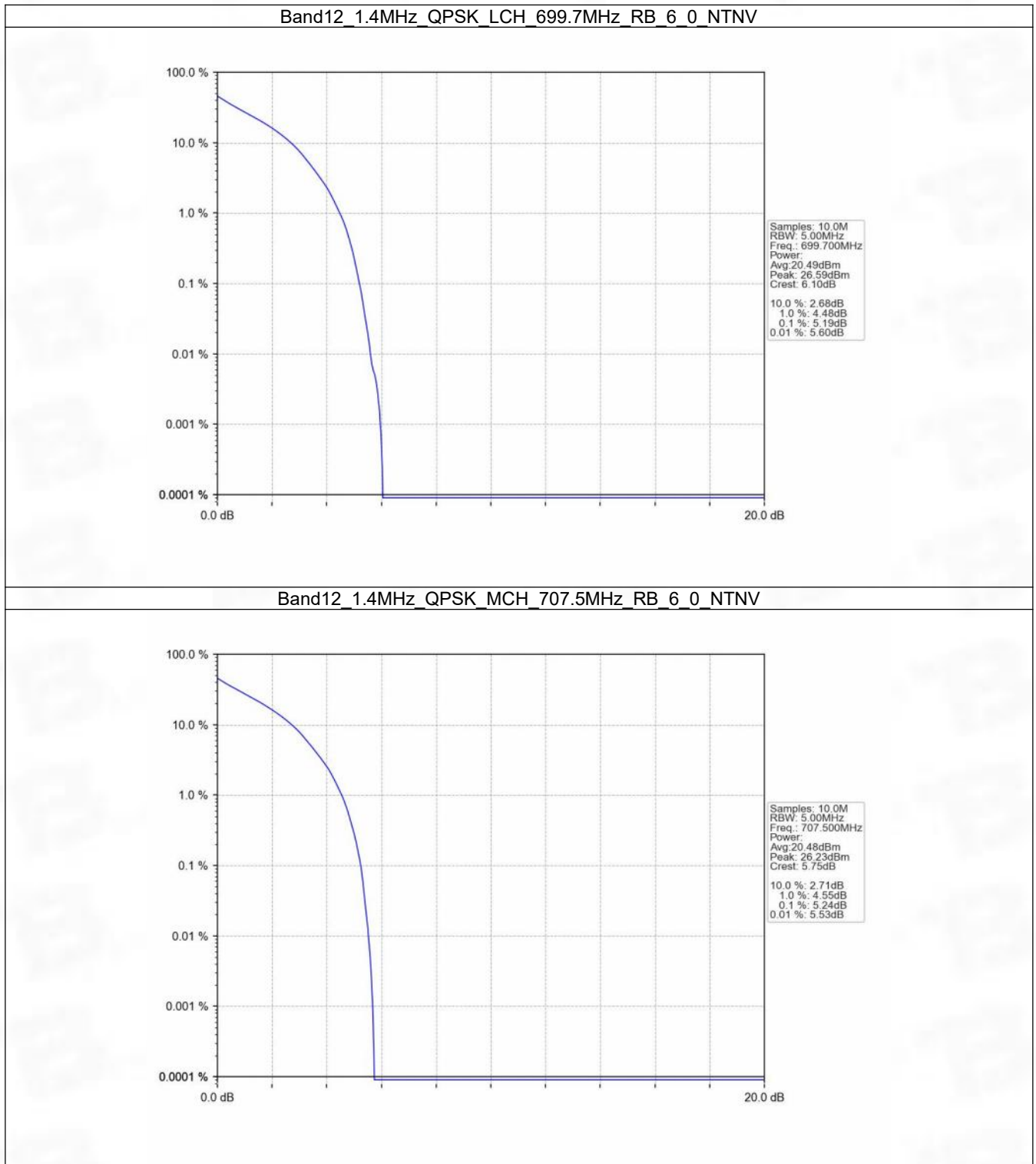
5.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.32	≤ 13	Pass
	707.5	50	0	5.40	≤ 13	Pass
	711	50	0	5.28	≤ 13	Pass
16QAM	704	50	0	6.12	≤ 13	Pass
	707.5	50	0	6.19	≤ 13	Pass

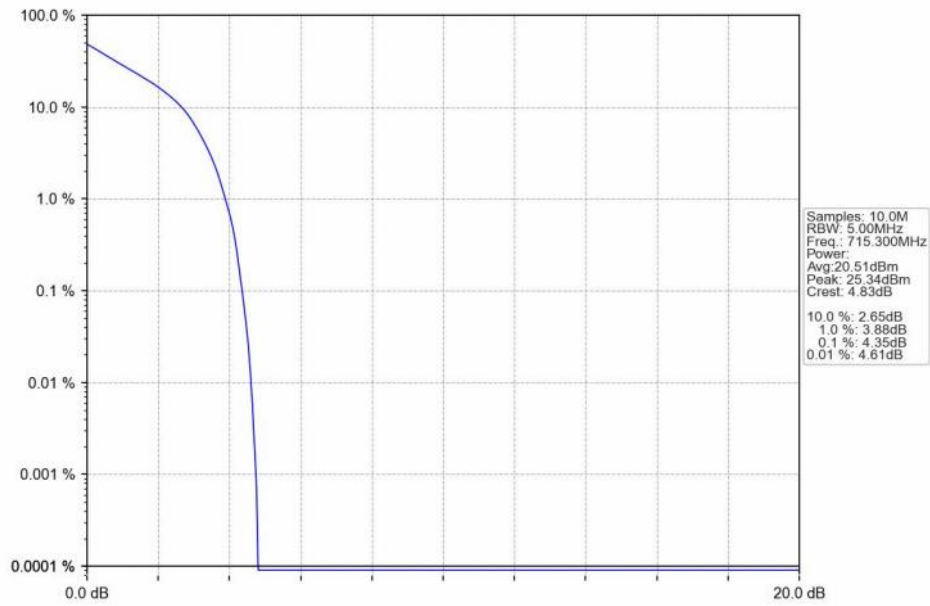
	711	50	0	6.09	<=13	Pass
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5.2 Test Graph

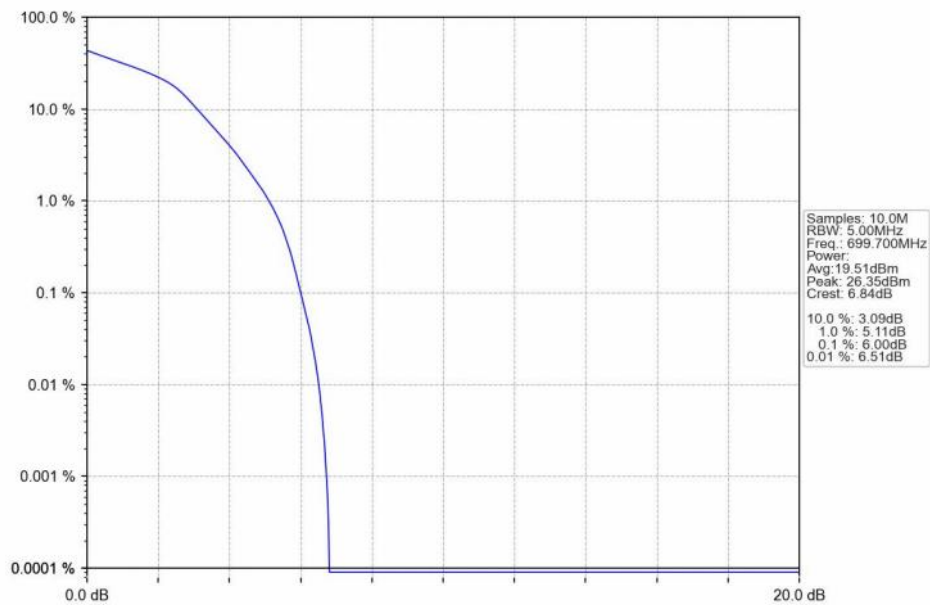
5.2.1 B12_1.4MHz



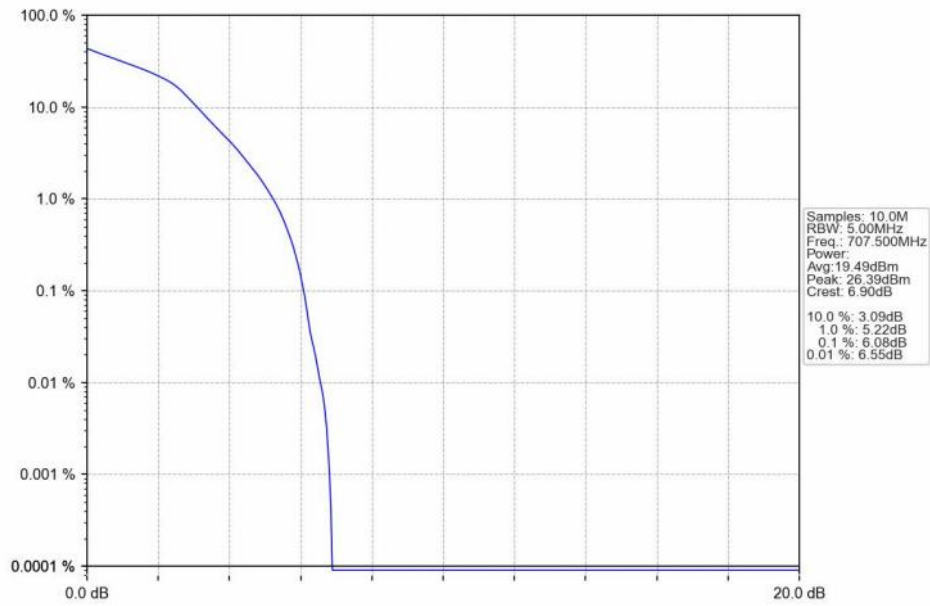
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



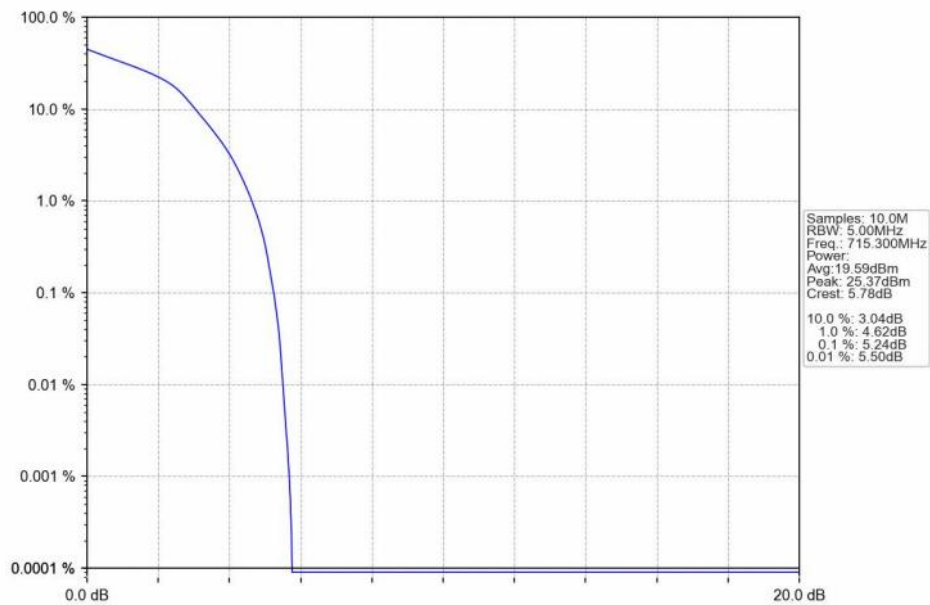
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



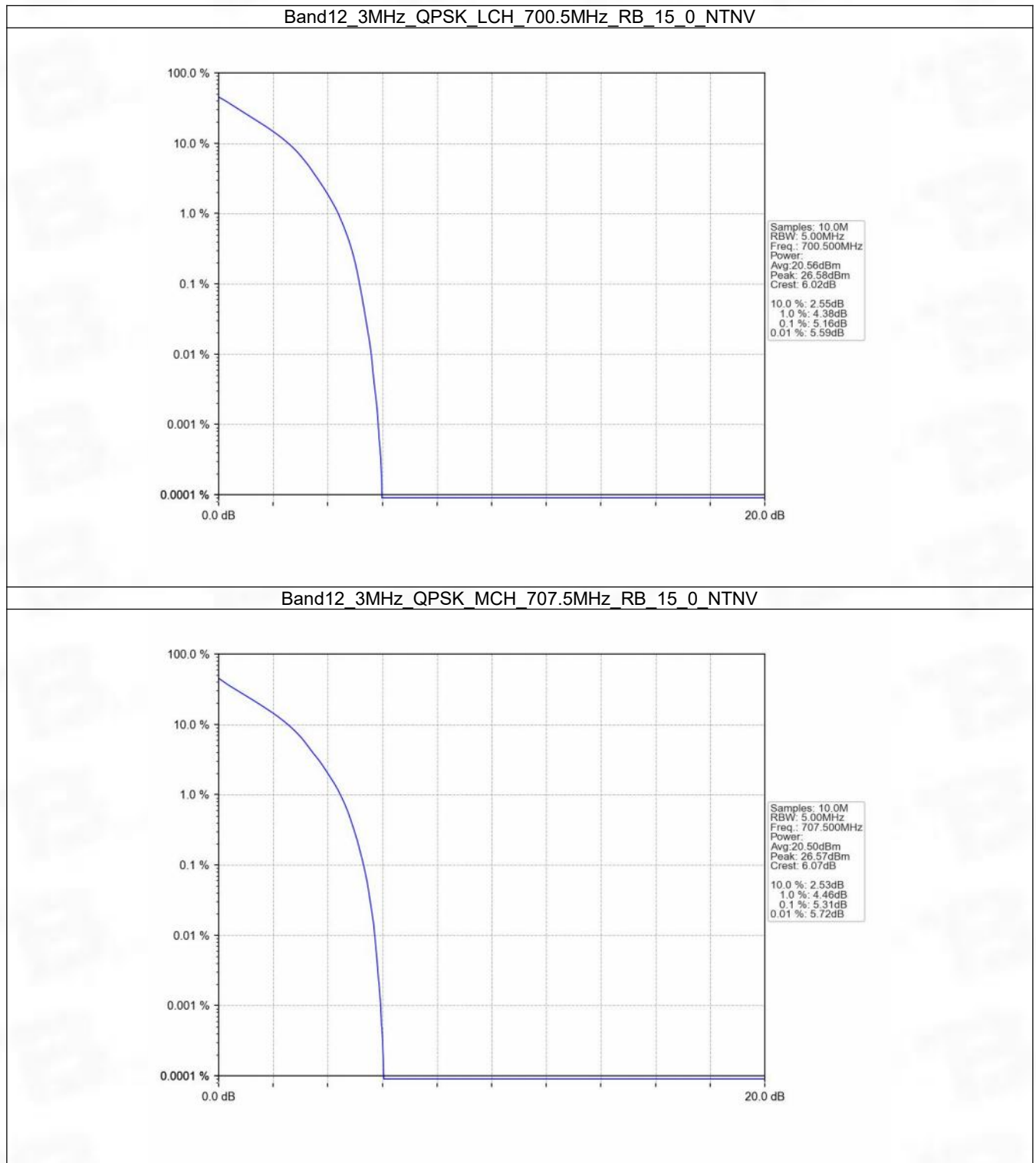
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



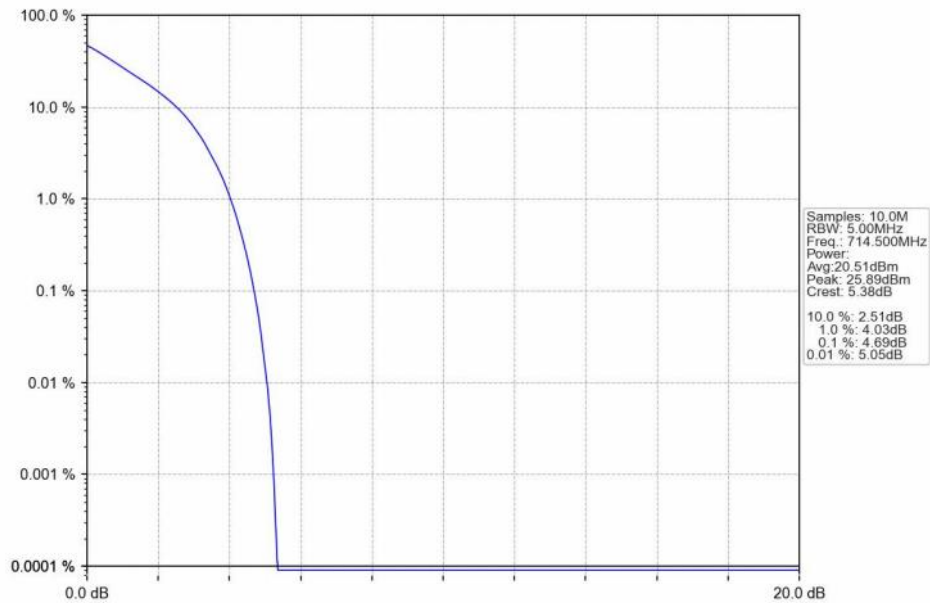
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



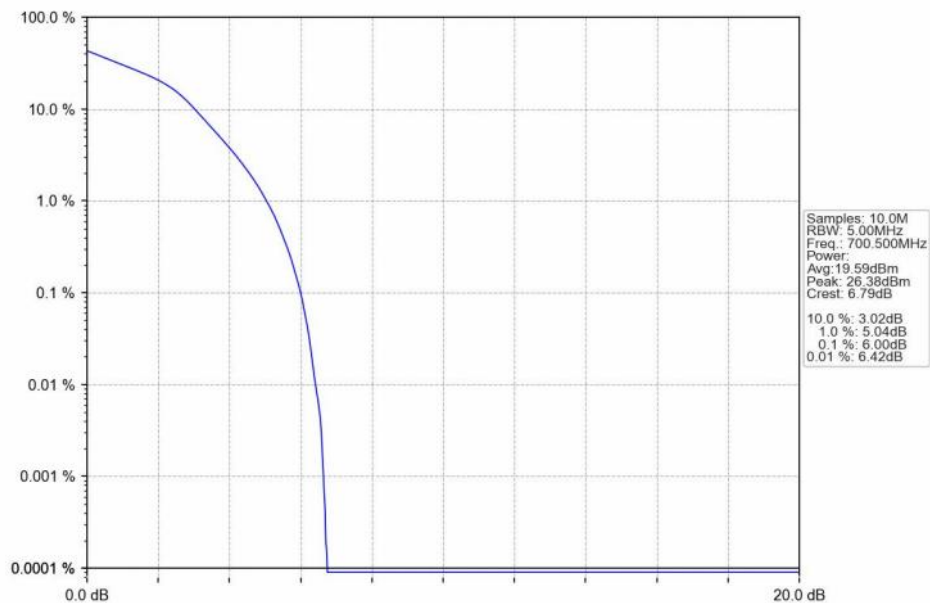
5.2.2 B12_3MHz



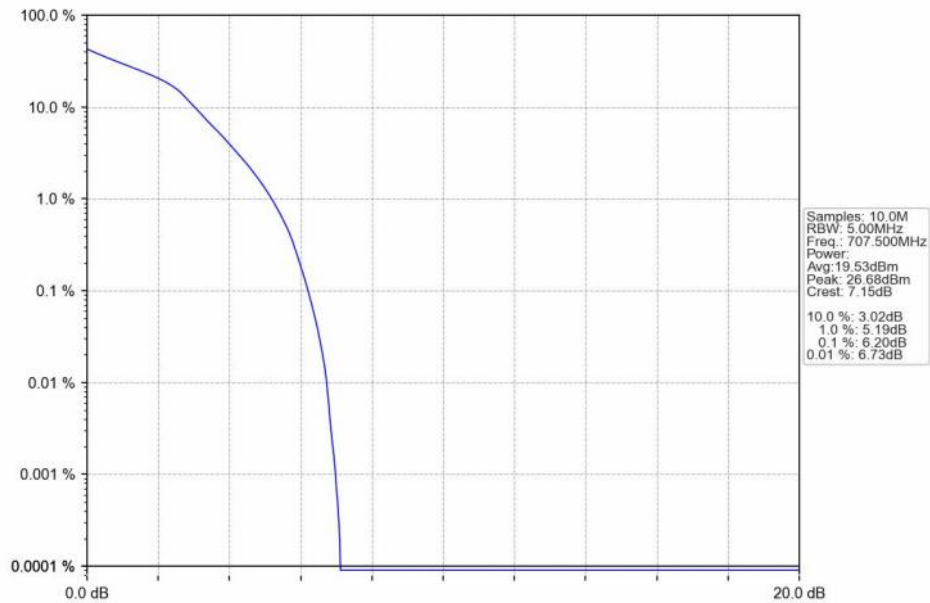
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



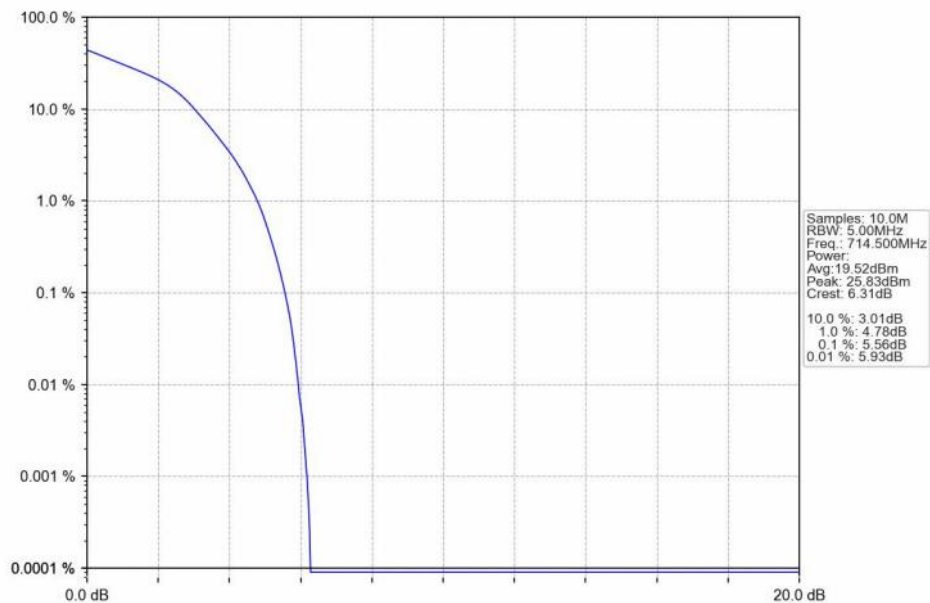
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



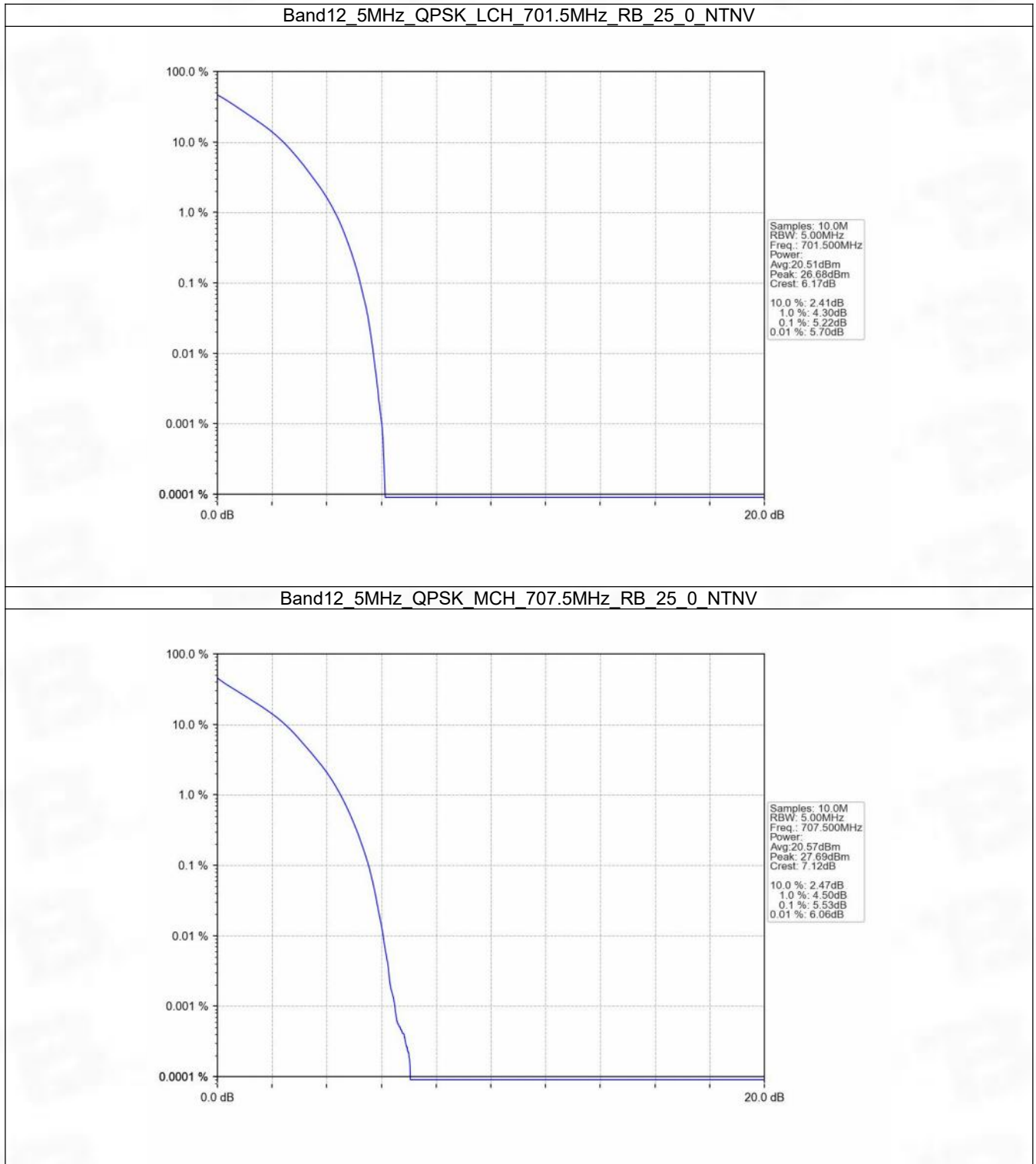
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



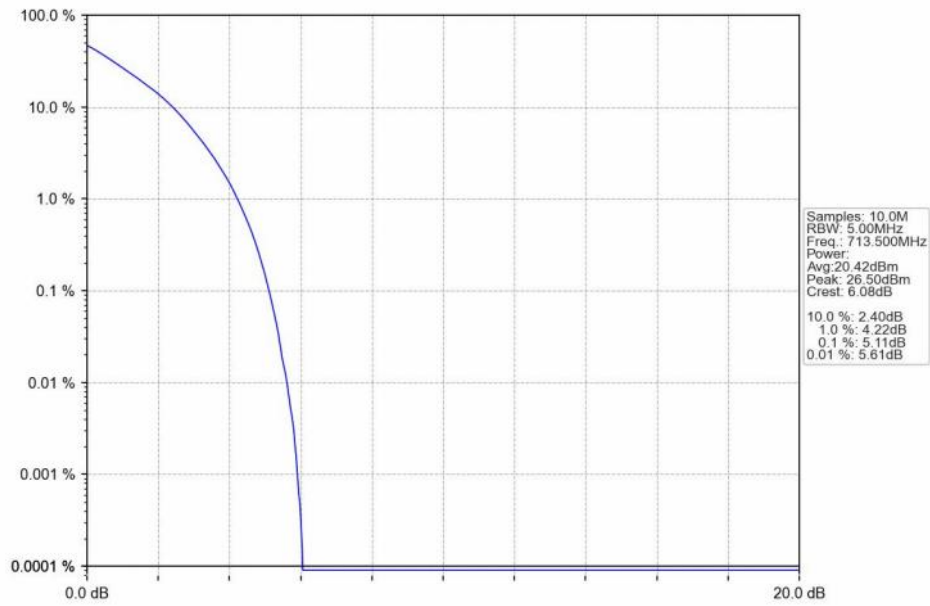
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



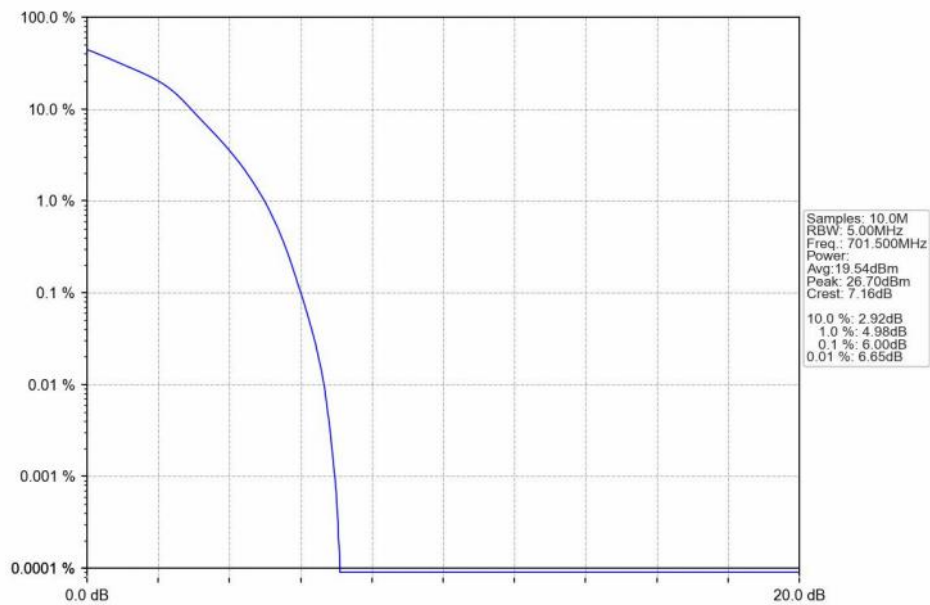
5.2.3 B12_5MHz



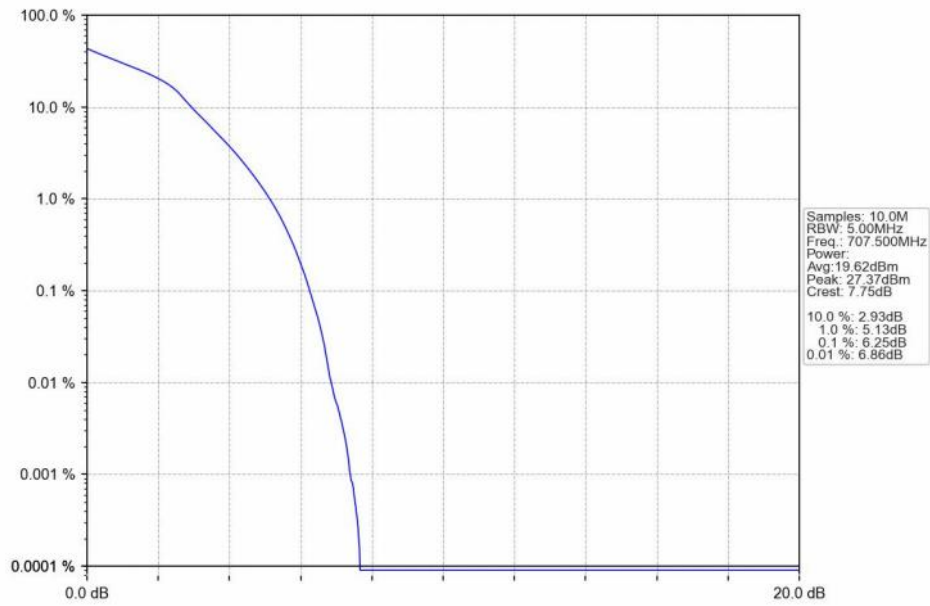
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



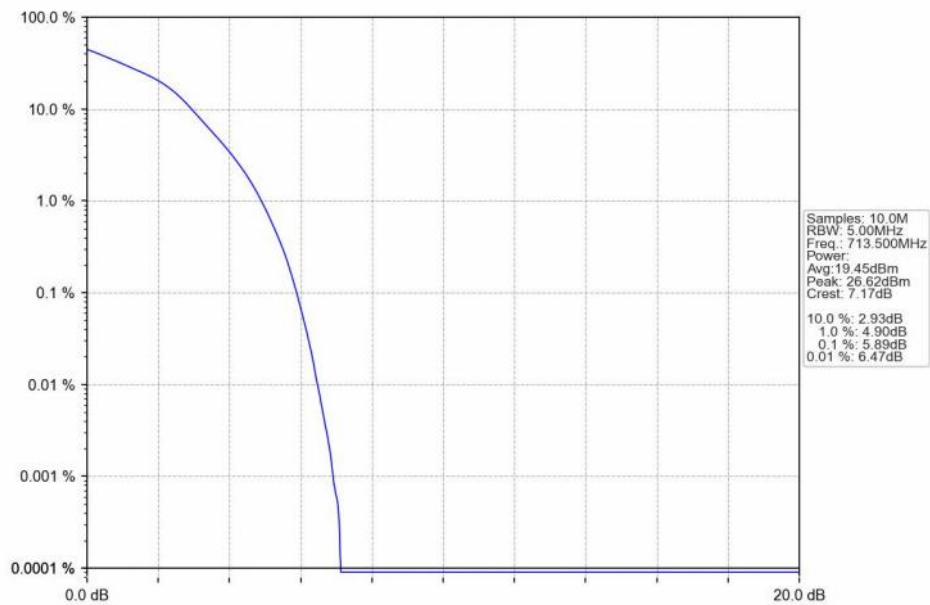
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



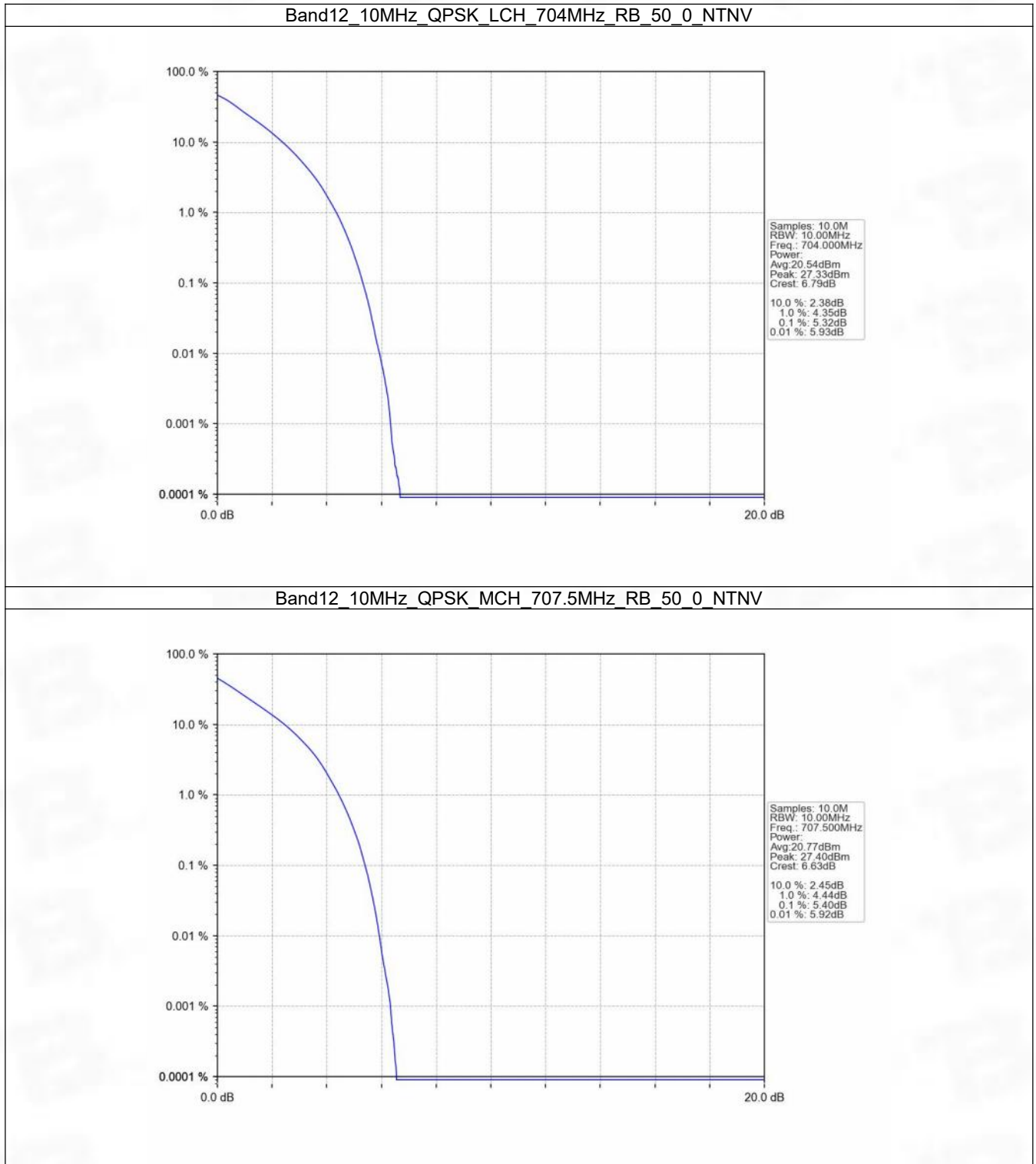
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



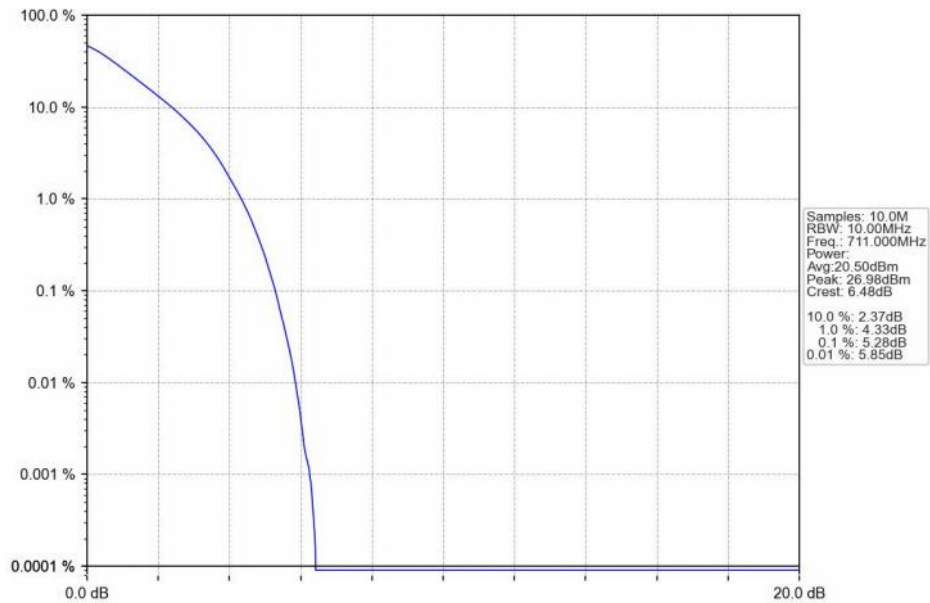
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



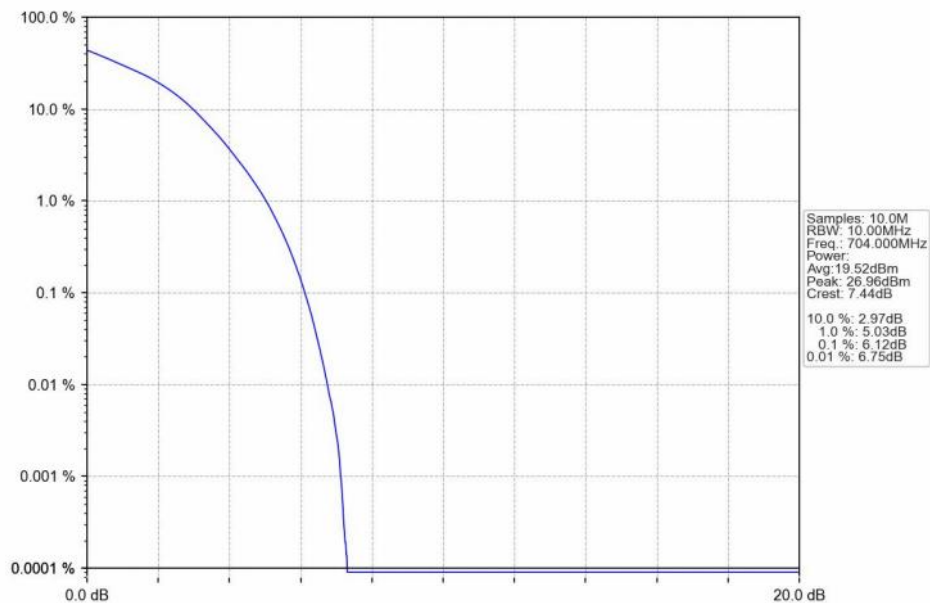
5.2.4 B12_10MHz



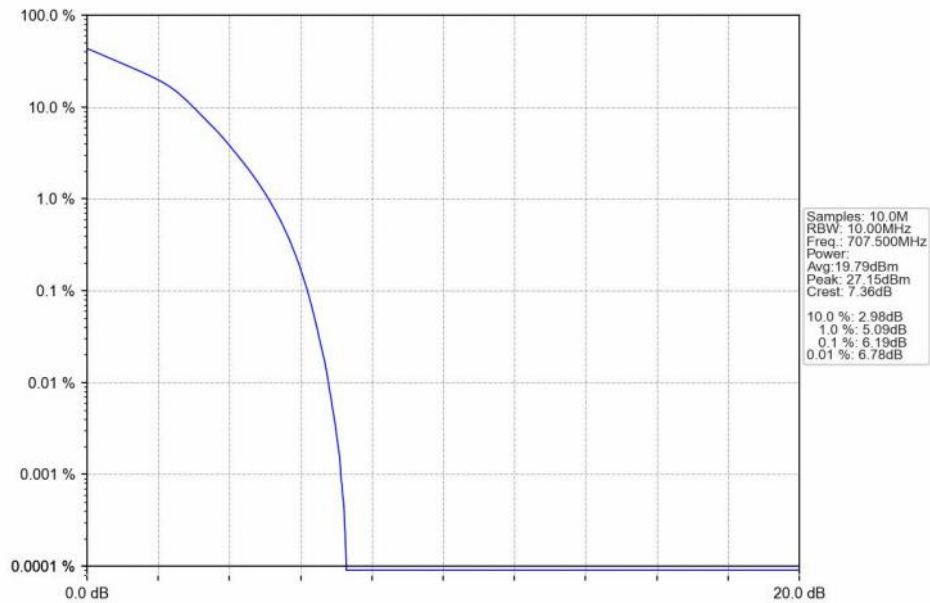
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



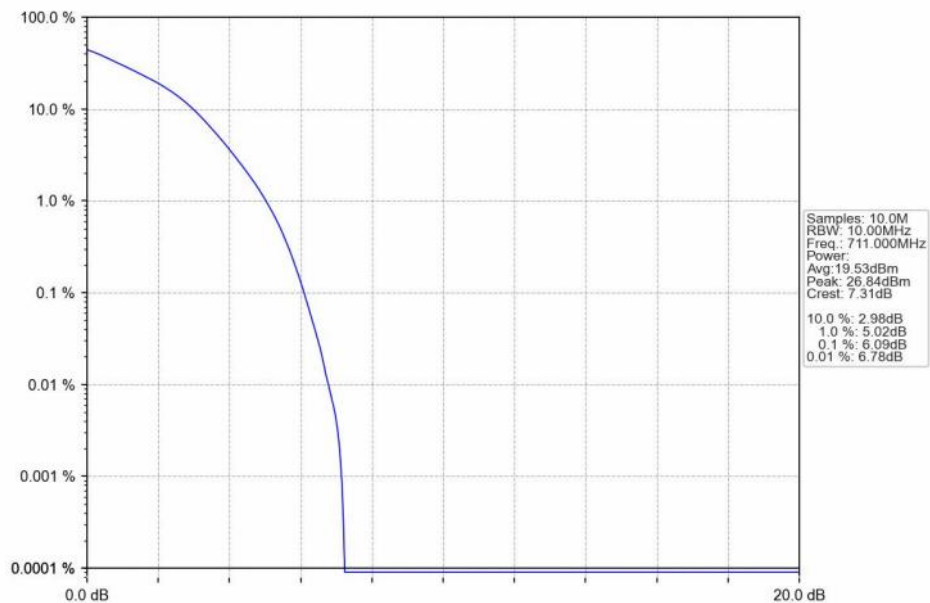
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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		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	
	5			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		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	
	14			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		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

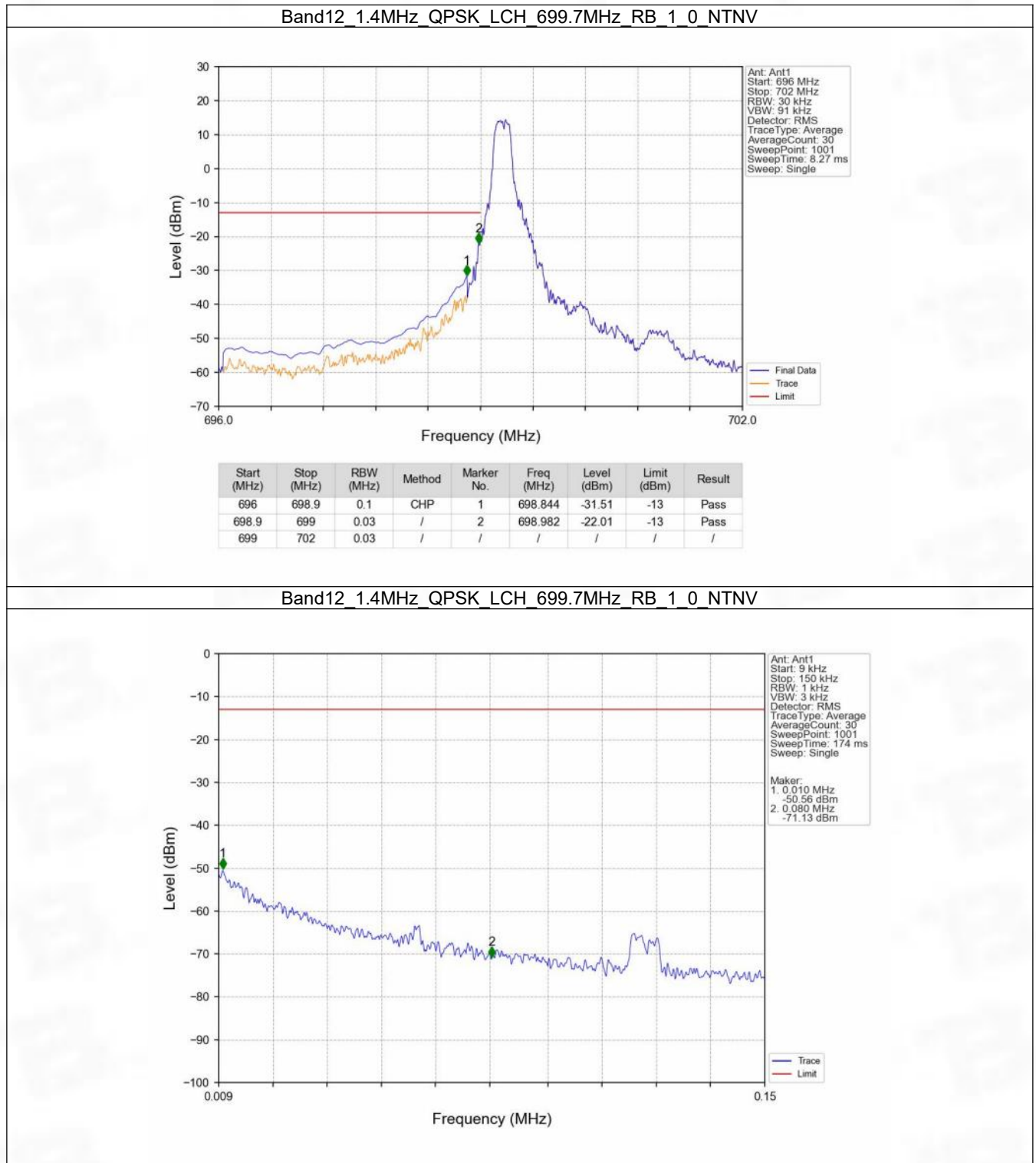
	707.5	25	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B12_10MHz

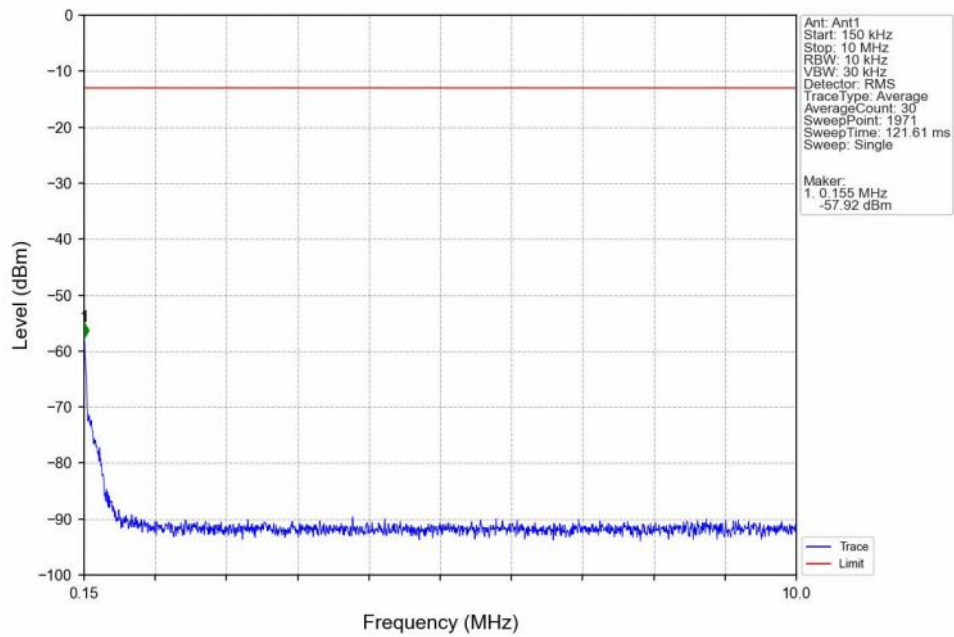
Band: 12 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	704	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
	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

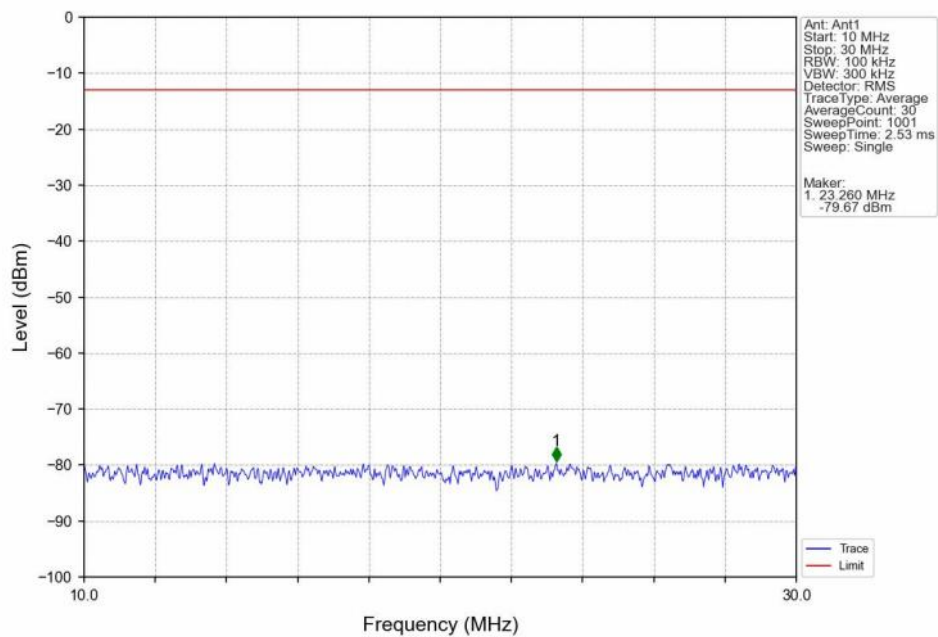
6.2.1 B12_1.4MHz



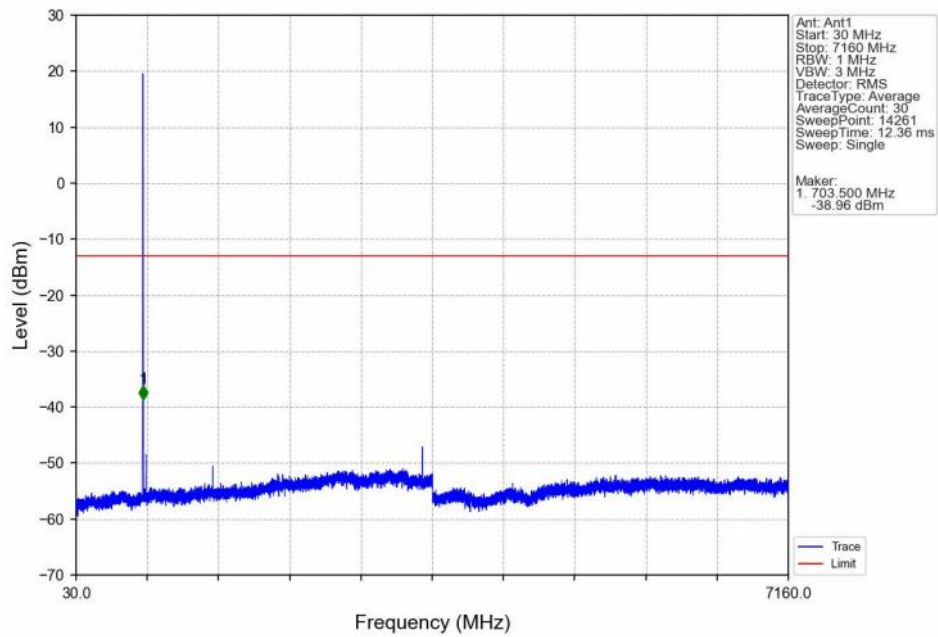
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



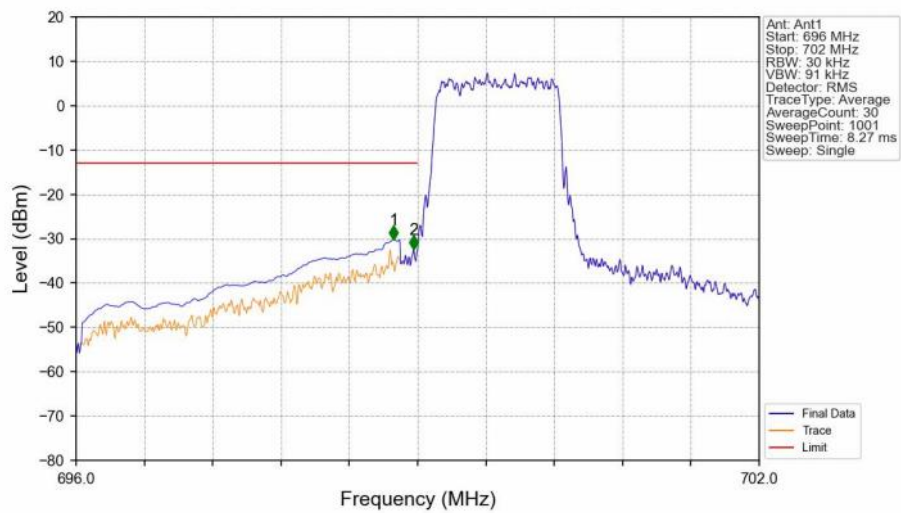
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

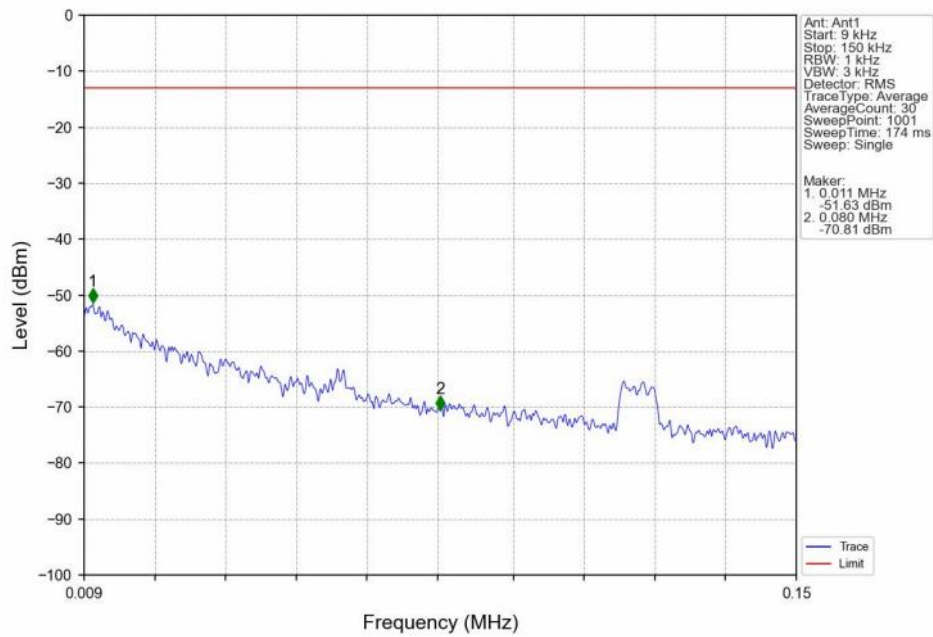


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.790	-30.17	-13	Pass
698.9	699	0.03	/	2	698.964	-32.39	-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

