

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	21.06	-3.25	15.66	<=34.77	Pass
			2	20.76	-3.25	15.36	<=34.77	Pass
			5	20.66	-3.25	15.26	<=34.77	Pass
		3	0	20.77	-3.25	15.37	<=34.77	Pass
			2	20.83	-3.25	15.43	<=34.77	Pass
			3	20.82	-3.25	15.42	<=34.77	Pass
		6	0	19.76	-3.25	14.36	<=34.77	Pass
	707.5	1	0	21.12	-3.25	15.72	<=34.77	Pass
			2	21.21	-3.25	15.81	<=34.77	Pass
			5	21.08	-3.25	15.68	<=34.77	Pass
		3	0	21.22	-3.25	15.82	<=34.77	Pass
			2	21.26	-3.25	15.86	<=34.77	Pass
			3	21.22	-3.25	15.82	<=34.77	Pass
		6	0	20.27	-3.25	14.87	<=34.77	Pass
	715.3	1	0	21.07	-3.25	15.67	<=34.77	Pass
			2	21.20	-3.25	15.80	<=34.77	Pass
			5	21.06	-3.25	15.66	<=34.77	Pass
		3	0	21.18	-3.25	15.78	<=34.77	Pass
			2	21.19	-3.25	15.79	<=34.77	Pass
			3	21.18	-3.25	15.78	<=34.77	Pass
		6	0	20.19	-3.25	14.79	<=34.77	Pass
16QAM	699.7	1	0	19.68	-3.25	14.28	<=34.77	Pass
			2	19.82	-3.25	14.42	<=34.77	Pass
			5	19.71	-3.25	14.31	<=34.77	Pass
		3	0	19.94	-3.25	14.54	<=34.77	Pass
			2	20.04	-3.25	14.64	<=34.77	Pass
			3	20.00	-3.25	14.60	<=34.77	Pass
		6	0	18.79	-3.25	13.39	<=34.77	Pass
	707.5	1	0	20.21	-3.25	14.81	<=34.77	Pass
			2	20.31	-3.25	14.91	<=34.77	Pass
			5	20.19	-3.25	14.79	<=34.77	Pass
		3	0	20.46	-3.25	15.06	<=34.77	Pass
			2	20.54	-3.25	15.14	<=34.77	Pass
			3	20.47	-3.25	15.07	<=34.77	Pass
		6	0	19.30	-3.25	13.90	<=34.77	Pass
	715.3	1	0	20.11	-3.25	14.71	<=34.77	Pass
			2	20.26	-3.25	14.86	<=34.77	Pass
			5	20.18	-3.25	14.78	<=34.77	Pass
		3	0	20.26	-3.25	14.86	<=34.77	Pass
			2	20.28	-3.25	14.88	<=34.77	Pass
			3	20.26	-3.25	14.86	<=34.77	Pass
		6	0	19.11	-3.25	13.71	<=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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Page 1 of 120

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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	20.90	-3.25	15.50	<=34.77	Pass
			7	21.02	-3.25	15.62	<=34.77	Pass
			14	20.87	-3.25	15.47	<=34.77	Pass
		8	0	19.92	-3.25	14.52	<=34.77	Pass
			4	19.97	-3.25	14.57	<=34.77	Pass
			7	19.87	-3.25	14.47	<=34.77	Pass
		15	0	19.95	-3.25	14.55	<=34.77	Pass
	707.5	1	0	20.50	-3.25	15.10	<=34.77	Pass
			7	20.60	-3.25	15.20	<=34.77	Pass
			14	20.41	-3.25	15.01	<=34.77	Pass
		8	0	19.54	-3.25	14.14	<=34.77	Pass
			4	19.56	-3.25	14.16	<=34.77	Pass
			7	19.51	-3.25	14.11	<=34.77	Pass
		15	0	19.51	-3.25	14.11	<=34.77	Pass
	714.5	1	0	20.91	-3.25	15.51	<=34.77	Pass
			7	21.01	-3.25	15.61	<=34.77	Pass
			14	20.85	-3.25	15.45	<=34.77	Pass
		8	0	19.96	-3.25	14.56	<=34.77	Pass
			4	20.00	-3.25	14.60	<=34.77	Pass
			7	19.92	-3.25	14.52	<=34.77	Pass
		15	0	19.95	-3.25	14.55	<=34.77	Pass
16QAM	700.5	1	0	19.92	-3.25	14.52	<=34.77	Pass
			7	20.10	-3.25	14.70	<=34.77	Pass
			14	19.90	-3.25	14.50	<=34.77	Pass
		8	0	18.96	-3.25	13.56	<=34.77	Pass
			4	19.03	-3.25	13.63	<=34.77	Pass
			7	18.99	-3.25	13.59	<=34.77	Pass
		15	0	18.98	-3.25	13.58	<=34.77	Pass
	707.5	1	0	19.74	-3.25	14.34	<=34.77	Pass
			7	19.83	-3.25	14.43	<=34.77	Pass
			14	19.65	-3.25	14.25	<=34.77	Pass
		8	0	18.51	-3.25	13.11	<=34.77	Pass
			4	18.55	-3.25	13.15	<=34.77	Pass
			7	18.48	-3.25	13.08	<=34.77	Pass
		15	0	18.48	-3.25	13.08	<=34.77	Pass
	714.5	1	0	20.54	-3.25	15.14	<=34.77	Pass
			7	20.61	-3.25	15.21	<=34.77	Pass
			14	20.44	-3.25	15.04	<=34.77	Pass
		8	0	19.12	-3.25	13.72	<=34.77	Pass
			4	19.16	-3.25	13.76	<=34.77	Pass
			7	19.10	-3.25	13.70	<=34.77	Pass
		15	0	19.02	-3.25	13.62	<=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	20.46	-3.25	15.06	<=34.77	Pass
			13	20.55	-3.25	15.15	<=34.77	Pass
			24	20.39	-3.25	14.99	<=34.77	Pass
		12	0	19.54	-3.25	14.14	<=34.77	Pass
			6	19.63	-3.25	14.23	<=34.77	Pass
			13	19.45	-3.25	14.05	<=34.77	Pass
		25	0	19.48	-3.25	14.08	<=34.77	Pass
	707.5	1	0	20.71	-3.25	15.31	<=34.77	Pass

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Page 2 of 120

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16QAM	713.5		13	20.76	-3.25	15.36	<=34.77	Pass
			24	20.62	-3.25	15.22	<=34.77	Pass
			0	19.77	-3.25	14.37	<=34.77	Pass
		12	6	19.85	-3.25	14.45	<=34.77	Pass
			13	19.78	-3.25	14.38	<=34.77	Pass
			25	19.77	-3.25	14.37	<=34.77	Pass
		1	0	20.82	-3.25	15.42	<=34.77	Pass
			13	20.94	-3.25	15.54	<=34.77	Pass
			24	20.83	-3.25	15.43	<=34.77	Pass
		12	0	19.98	-3.25	14.58	<=34.77	Pass
			6	20.03	-3.25	14.63	<=34.77	Pass
			13	19.88	-3.25	14.48	<=34.77	Pass
		25	0	19.93	-3.25	14.53	<=34.77	Pass
16QAM	701.5	1	0	19.60	-3.25	14.20	<=34.77	Pass
			13	19.70	-3.25	14.30	<=34.77	Pass
			24	19.54	-3.25	14.14	<=34.77	Pass
		12	0	18.50	-3.25	13.10	<=34.77	Pass
			6	18.59	-3.25	13.19	<=34.77	Pass
			13	18.45	-3.25	13.05	<=34.77	Pass
		25	0	18.53	-3.25	13.13	<=34.77	Pass
	707.5	1	0	20.03	-3.25	14.63	<=34.77	Pass
			13	20.09	-3.25	14.69	<=34.77	Pass
			24	19.96	-3.25	14.56	<=34.77	Pass
		12	0	18.82	-3.25	13.42	<=34.77	Pass
			6	18.88	-3.25	13.48	<=34.77	Pass
			13	18.81	-3.25	13.41	<=34.77	Pass
		25	0	18.79	-3.25	13.39	<=34.77	Pass
	713.5	1	0	19.79	-3.25	14.39	<=34.77	Pass
			13	19.86	-3.25	14.46	<=34.77	Pass
			24	19.74	-3.25	14.34	<=34.77	Pass
		12	0	18.93	-3.25	13.53	<=34.77	Pass
			6	19.00	-3.25	13.60	<=34.77	Pass
			13	18.84	-3.25	13.44	<=34.77	Pass
		25	0	18.97	-3.25	13.57	<=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	21.06	-3.25	15.66	<=34.77	Pass
			25	21.23	-3.25	15.83	<=34.77	Pass
			49	21.01	-3.25	15.61	<=34.77	Pass
		25	0	20.17	-3.25	14.77	<=34.77	Pass
			13	20.18	-3.25	14.78	<=34.77	Pass
			25	20.20	-3.25	14.80	<=34.77	Pass
		50	0	20.21	-3.25	14.81	<=34.77	Pass
	707.5	1	0	20.95	-3.25	15.55	<=34.77	Pass
			25	21.06	-3.25	15.66	<=34.77	Pass
			49	20.98	-3.25	15.58	<=34.77	Pass
		25	0	20.00	-3.25	14.60	<=34.77	Pass
			13	20.03	-3.25	14.63	<=34.77	Pass
			25	19.94	-3.25	14.54	<=34.77	Pass
		50	0	20.01	-3.25	14.61	<=34.77	Pass
	711	1	0	20.78	-3.25	15.38	<=34.77	Pass
			25	20.89	-3.25	15.49	<=34.77	Pass
			49	20.68	-3.25	15.28	<=34.77	Pass
		25	0	19.87	-3.25	14.47	<=34.77	Pass

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Page 3 of 120

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16QAM	704	50	13	19.82	-3.25	14.42	<=34.77	Pass
			25	19.70	-3.25	14.30	<=34.77	Pass
			0	19.80	-3.25	14.40	<=34.77	Pass
		1	0	20.33	-3.25	14.93	<=34.77	Pass
			25	20.45	-3.25	15.05	<=34.77	Pass
			49	20.16	-3.25	14.76	<=34.77	Pass
		25	0	19.22	-3.25	13.82	<=34.77	Pass
			13	19.20	-3.25	13.80	<=34.77	Pass
			25	19.24	-3.25	13.84	<=34.77	Pass
		50	0	19.20	-3.25	13.80	<=34.77	Pass
	707.5	1	0	20.59	-3.25	15.19	<=34.77	Pass
			25	20.69	-3.25	15.29	<=34.77	Pass
			49	20.51	-3.25	15.11	<=34.77	Pass
		25	0	19.08	-3.25	13.68	<=34.77	Pass
			13	19.10	-3.25	13.70	<=34.77	Pass
			25	19.02	-3.25	13.62	<=34.77	Pass
		50	0	19.06	-3.25	13.66	<=34.77	Pass
	711	1	0	19.83	-3.25	14.43	<=34.77	Pass
			25	19.92	-3.25	14.52	<=34.77	Pass
			49	19.78	-3.25	14.38	<=34.77	Pass
		25	0	18.95	-3.25	13.55	<=34.77	Pass
			13	18.93	-3.25	13.53	<=34.77	Pass
			25	18.83	-3.25	13.43	<=34.77	Pass
		50	0	18.83	-3.25	13.43	<=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	-8.326	-0.0119	-2.5 to 2.5	Pass
					3.85	-5.264	-0.0075	-2.5 to 2.5	Pass
					4.43	-8.268	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-6.452	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-5.050	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-6.251	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-8.526	-0.0122	-2.5 to 2.5	Pass
				10	3.85	-5.164	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-7.839	-0.0112	-2.5 to 2.5	Pass
				40	3.85	-2.432	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-9.956	-0.0142	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-4.120	-0.0058	-2.5 to 2.5	Pass
					3.85	-4.306	-0.0061	-2.5 to 2.5	Pass
					4.43	-7.653	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-7.653	-0.0108	-2.5 to 2.5	Pass
				-20	3.85	-4.292	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-8.197	-0.0116	-2.5 to 2.5	Pass
				0	3.85	-3.934	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-4.592	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-5.021	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-6.423	-0.0091	-2.5 to 2.5	Pass
				50	3.85	-2.532	-0.0036	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-3.963	-0.0055	-2.5 to 2.5	Pass

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Page 4 of 120

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					3.85	-1.001	-0.0014	-2.5 to 2.5	Pass
					4.43	-5.307	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-3.748	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-3.777	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-7.195	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-5.322	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-4.206	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-8.125	-0.0114	-2.5 to 2.5	Pass
				40	3.85	-6.537	-0.0091	-2.5 to 2.5	Pass
50	3.85	-6.108	-0.0085	-2.5 to 2.5	Pass				
16QAM	699.7	6	0	20	3.27	-4.921	-0.0070	-2.5 to 2.5	Pass
					3.85	-5.021	-0.0072	-2.5 to 2.5	Pass
					4.43	-8.368	-0.0120	-2.5 to 2.5	Pass
				-30	3.85	-8.283	-0.0118	-2.5 to 2.5	Pass
				-20	3.85	-10.057	-0.0144	-2.5 to 2.5	Pass
				-10	3.85	-3.905	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-8.240	-0.0118	-2.5 to 2.5	Pass
				10	3.85	-7.396	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-7.610	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-8.626	-0.0123	-2.5 to 2.5	Pass
				50	3.85	-4.306	-0.0062	-2.5 to 2.5	Pass
				707.5	6	0	20	3.27	-7.625
	3.85	-4.964	-0.0070					-2.5 to 2.5	Pass
	4.43	-7.067	-0.0100					-2.5 to 2.5	Pass
	-30	3.85	-3.734				-0.0053	-2.5 to 2.5	Pass
	-20	3.85	-4.363				-0.0062	-2.5 to 2.5	Pass
	-10	3.85	-6.680				-0.0094	-2.5 to 2.5	Pass
	0	3.85	-2.933				-0.0041	-2.5 to 2.5	Pass
	10	3.85	-4.120				-0.0058	-2.5 to 2.5	Pass
	30	3.85	-9.856				-0.0139	-2.5 to 2.5	Pass
	40	3.85	-9.742				-0.0138	-2.5 to 2.5	Pass
	50	3.85	-7.882				-0.0111	-2.5 to 2.5	Pass
	715.3	6	0				20	3.27	-6.437
				3.85	-4.950	-0.0069		-2.5 to 2.5	Pass
				4.43	-8.054	-0.0113		-2.5 to 2.5	Pass
				-30	3.85	-7.510	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-6.695	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-4.549	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-2.675	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-3.290	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-4.506	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-6.194	-0.0087	-2.5 to 2.5	Pass
				50	3.85	-3.133	-0.0044	-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	-5.407	-0.0077	-2.5 to 2.5	Pass
					3.85	-6.337	-0.0090	-2.5 to 2.5	Pass
					4.43	-7.124	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-6.452	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-7.882	-0.0113	-2.5 to 2.5	Pass
				-10	3.85	-4.320	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-5.407	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-5.794	-0.0083	-2.5 to 2.5	Pass
				30	3.85	-11.215	-0.0160	-2.5 to 2.5	Pass
				40	3.85	-7.024	-0.0100	-2.5 to 2.5	Pass

16QAM	707.5	15	0	50	3.85	-6.537	-0.0093	-2.5 to 2.5	Pass
				20	3.27	-5.808	-0.0082	-2.5 to 2.5	Pass
					3.85	-4.792	-0.0068	-2.5 to 2.5	Pass
					4.43	-5.293	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-5.493	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-8.268	-0.0117	-2.5 to 2.5	Pass
				-10	3.85	-4.592	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-8.855	-0.0125	-2.5 to 2.5	Pass
				10	3.85	-4.077	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-8.569	-0.0121	-2.5 to 2.5	Pass
				40	3.85	-4.134	-0.0058	-2.5 to 2.5	Pass
				50	3.85	-7.710	-0.0109	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-5.050	-0.0071	-2.5 to 2.5	Pass
					3.85	-9.141	-0.0128	-2.5 to 2.5	Pass
					4.43	-8.526	-0.0119	-2.5 to 2.5	Pass
				-30	3.85	-7.854	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-9.356	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-8.969	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-9.341	-0.0131	-2.5 to 2.5	Pass
				10	3.85	-6.709	-0.0094	-2.5 to 2.5	Pass
				30	3.85	-4.749	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-7.553	-0.0106	-2.5 to 2.5	Pass
				50	3.85	-3.605	-0.0050	-2.5 to 2.5	Pass
	700.5	15	0	20	3.27	-6.394	-0.0091	-2.5 to 2.5	Pass
					3.85	-6.995	-0.0100	-2.5 to 2.5	Pass
					4.43	-10.986	-0.0157	-2.5 to 2.5	Pass
				-30	3.85	-3.777	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-6.166	-0.0088	-2.5 to 2.5	Pass
				-10	3.85	-6.094	-0.0087	-2.5 to 2.5	Pass
				0	3.85	-7.038	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-10.142	-0.0145	-2.5 to 2.5	Pass
				30	3.85	-7.052	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-5.136	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-6.423	-0.0092	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-7.610	-0.0108	-2.5 to 2.5	Pass
					3.85	-3.891	-0.0055	-2.5 to 2.5	Pass
					4.43	-10.457	-0.0148	-2.5 to 2.5	Pass
				-30	3.85	-5.608	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-8.569	-0.0121	-2.5 to 2.5	Pass
				-10	3.85	-6.423	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-8.039	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-3.047	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-4.377	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-6.680	-0.0094	-2.5 to 2.5	Pass
				50	3.85	-4.964	-0.0070	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-8.469	-0.0119	-2.5 to 2.5	Pass
					3.85	-5.522	-0.0077	-2.5 to 2.5	Pass
					4.43	-6.824	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-2.847	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-7.696	-0.0108	-2.5 to 2.5	Pass
				-10	3.85	-2.832	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-6.752	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-7.911	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-4.706	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-5.937	-0.0083	-2.5 to 2.5	Pass
				50	3.85	-10.958	-0.0153	-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	-7.567	-0.0108	-2.5 to 2.5	Pass
					3.85	-9.456	-0.0135	-2.5 to 2.5	Pass
					4.43	-6.952	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-8.755	-0.0125	-2.5 to 2.5	Pass
				-20	3.85	-6.709	-0.0096	-2.5 to 2.5	Pass
				-10	3.85	-6.366	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-7.811	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-3.762	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-2.890	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-2.732	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-8.225	-0.0117	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-5.236	-0.0074	-2.5 to 2.5	Pass
					3.85	-8.540	-0.0121	-2.5 to 2.5	Pass
					4.43	-4.163	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-6.380	-0.0090	-2.5 to 2.5	Pass
				-20	3.85	-9.012	-0.0127	-2.5 to 2.5	Pass
				-10	3.85	-5.779	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-7.982	-0.0113	-2.5 to 2.5	Pass
				10	3.85	-3.119	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-8.740	-0.0124	-2.5 to 2.5	Pass
				40	3.85	-2.232	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-5.207	-0.0074	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-5.121	-0.0072	-2.5 to 2.5	Pass
					3.85	-4.807	-0.0067	-2.5 to 2.5	Pass
					4.43	-4.764	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-1.516	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-8.311	-0.0116	-2.5 to 2.5	Pass
				-10	3.85	-9.341	-0.0131	-2.5 to 2.5	Pass
				0	3.85	-2.360	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-5.751	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-2.489	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-3.948	-0.0055	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-9.341	-0.0133	-2.5 to 2.5	Pass
					3.85	-10.300	-0.0147	-2.5 to 2.5	Pass
					4.43	-7.238	-0.0103	-2.5 to 2.5	Pass
				-30	3.85	-4.892	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-3.662	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-7.668	-0.0109	-2.5 to 2.5	Pass
				0	3.85	-7.696	-0.0110	-2.5 to 2.5	Pass
				10	3.85	-5.507	-0.0079	-2.5 to 2.5	Pass
				30	3.85	-8.183	-0.0117	-2.5 to 2.5	Pass
				40	3.85	-9.956	-0.0142	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-5.980	-0.0085	-2.5 to 2.5	Pass
					3.85	-7.310	-0.0103	-2.5 to 2.5	Pass
					4.43	-5.207	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-5.794	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-4.048	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-6.881	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-8.011	-0.0113	-2.5 to 2.5	Pass
				10	3.85	-3.576	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-8.097	-0.0114	-2.5 to 2.5	Pass
				40	3.85	-7.010	-0.0099	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-5.608	-0.0079	-2.5 to 2.5	Pass

					3.85	-4.363	-0.0061	-2.5 to 2.5	Pass
					4.43	-4.334	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-11.616	-0.0163	-2.5 to 2.5	Pass
				-20	3.85	-9.227	-0.0129	-2.5 to 2.5	Pass
				-10	3.85	-5.565	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-4.134	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-9.398	-0.0132	-2.5 to 2.5	Pass
				30	3.85	-4.020	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-6.380	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-4.907	-0.0069	-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	-6.723	-0.0095	-2.5 to 2.5	Pass
					3.85	-7.954	-0.0113	-2.5 to 2.5	Pass
					4.43	-6.223	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-5.393	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-8.411	-0.0119	-2.5 to 2.5	Pass
				-10	3.85	-2.904	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-2.546	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-4.492	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-5.078	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-7.982	-0.0113	-2.5 to 2.5	Pass
				50	3.85	-7.524	-0.0107	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-5.522	-0.0078	-2.5 to 2.5	Pass
					3.85	-2.961	-0.0042	-2.5 to 2.5	Pass
					4.43	-5.193	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-5.422	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-7.954	-0.0112	-2.5 to 2.5	Pass
				0	3.85	-8.140	-0.0115	-2.5 to 2.5	Pass
				10	3.85	-3.004	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-6.938	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-6.909	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-5.722	-0.0081	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-6.166	-0.0087	-2.5 to 2.5	Pass
					3.85	-7.854	-0.0110	-2.5 to 2.5	Pass
					4.43	-3.376	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-5.794	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-6.881	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-2.904	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-2.933	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-8.454	-0.0119	-2.5 to 2.5	Pass
				30	3.85	-8.311	-0.0117	-2.5 to 2.5	Pass
				40	3.85	-9.413	-0.0132	-2.5 to 2.5	Pass
				50	3.85	-7.281	-0.0102	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-7.396	-0.0105	-2.5 to 2.5	Pass
					3.85	-6.208	-0.0088	-2.5 to 2.5	Pass
					4.43	-4.377	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-4.163	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-4.277	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-4.606	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-2.961	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-4.249	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-1.059	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-3.991	-0.0057	-2.5 to 2.5	Pass

	707.5	50	0	50	3.85	-8.597	-0.0122	-2.5 to 2.5	Pass
				20	3.27	-2.346	-0.0033	-2.5 to 2.5	Pass
					3.85	-4.106	-0.0058	-2.5 to 2.5	Pass
					4.43	-5.021	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-5.980	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-7.982	-0.0113	-2.5 to 2.5	Pass
				-10	3.85	-4.506	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-4.635	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-2.046	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-2.761	-0.0039	-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	-3.934	-0.0056	-2.5 to 2.5	Pass
				20	3.27	-7.896	-0.0111	-2.5 to 2.5	Pass
					3.85	-4.377	-0.0062	-2.5 to 2.5	Pass
					4.43	-7.653	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-8.469	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-2.990	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-4.992	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-8.698	-0.0122	-2.5 to 2.5	Pass
				10	3.85	-7.410	-0.0104	-2.5 to 2.5	Pass
				30	3.85	-6.452	-0.0091	-2.5 to 2.5	Pass
				40	3.85	-6.094	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-5.622	-0.0079	-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

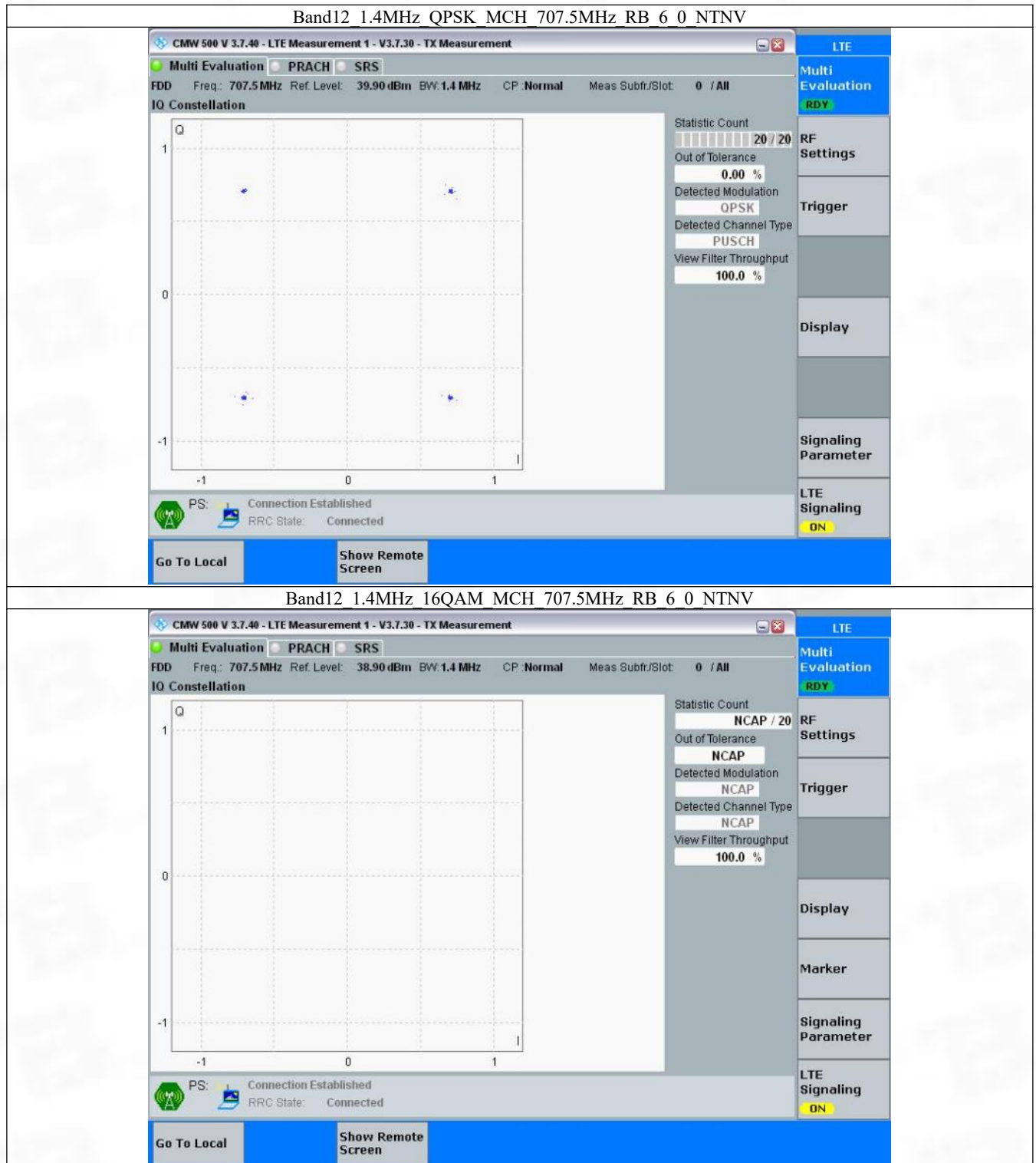
3.1.4 B12_10MHz

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

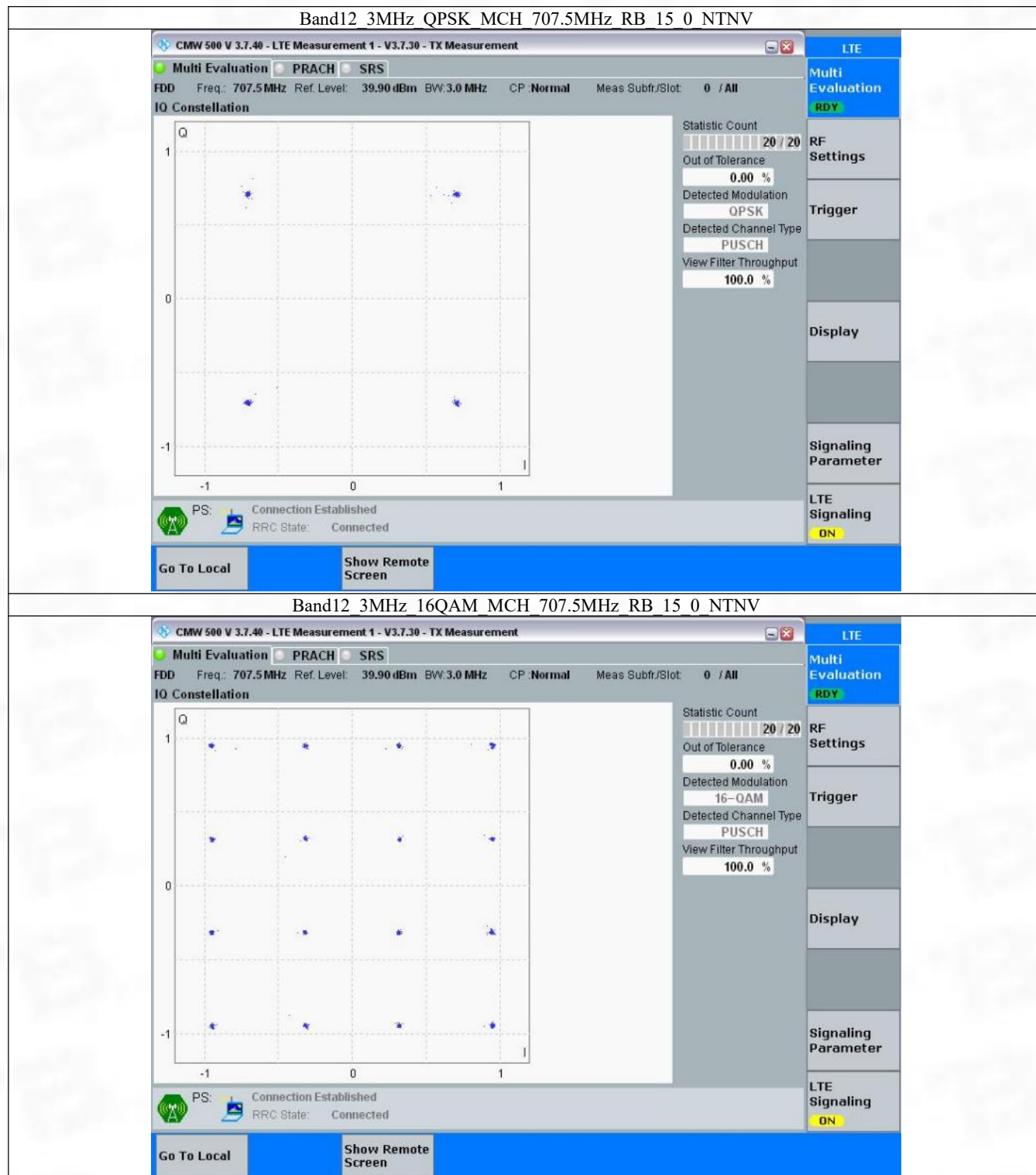
	(MHz)	Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

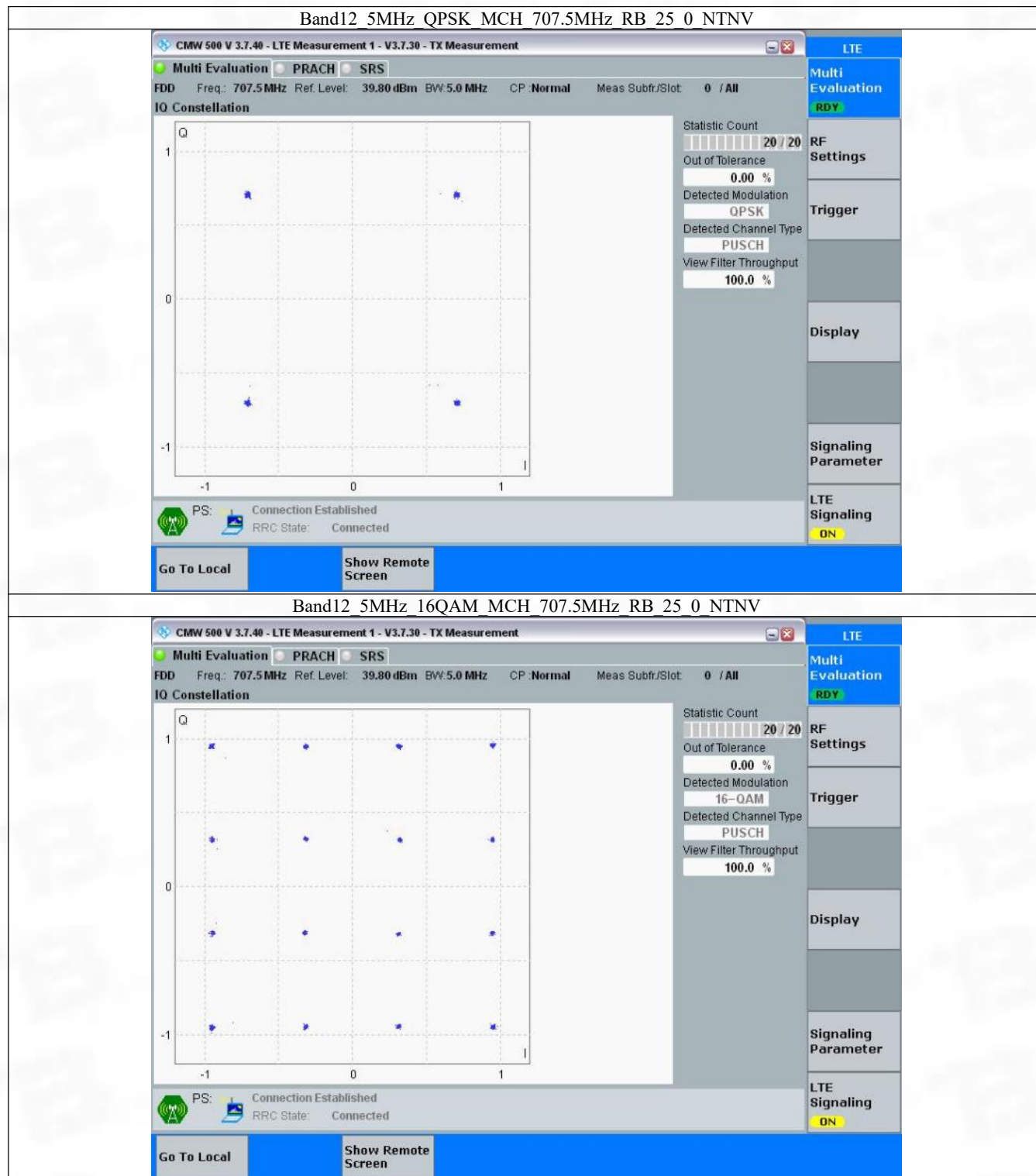
3.2.1 B12_1.4MHz



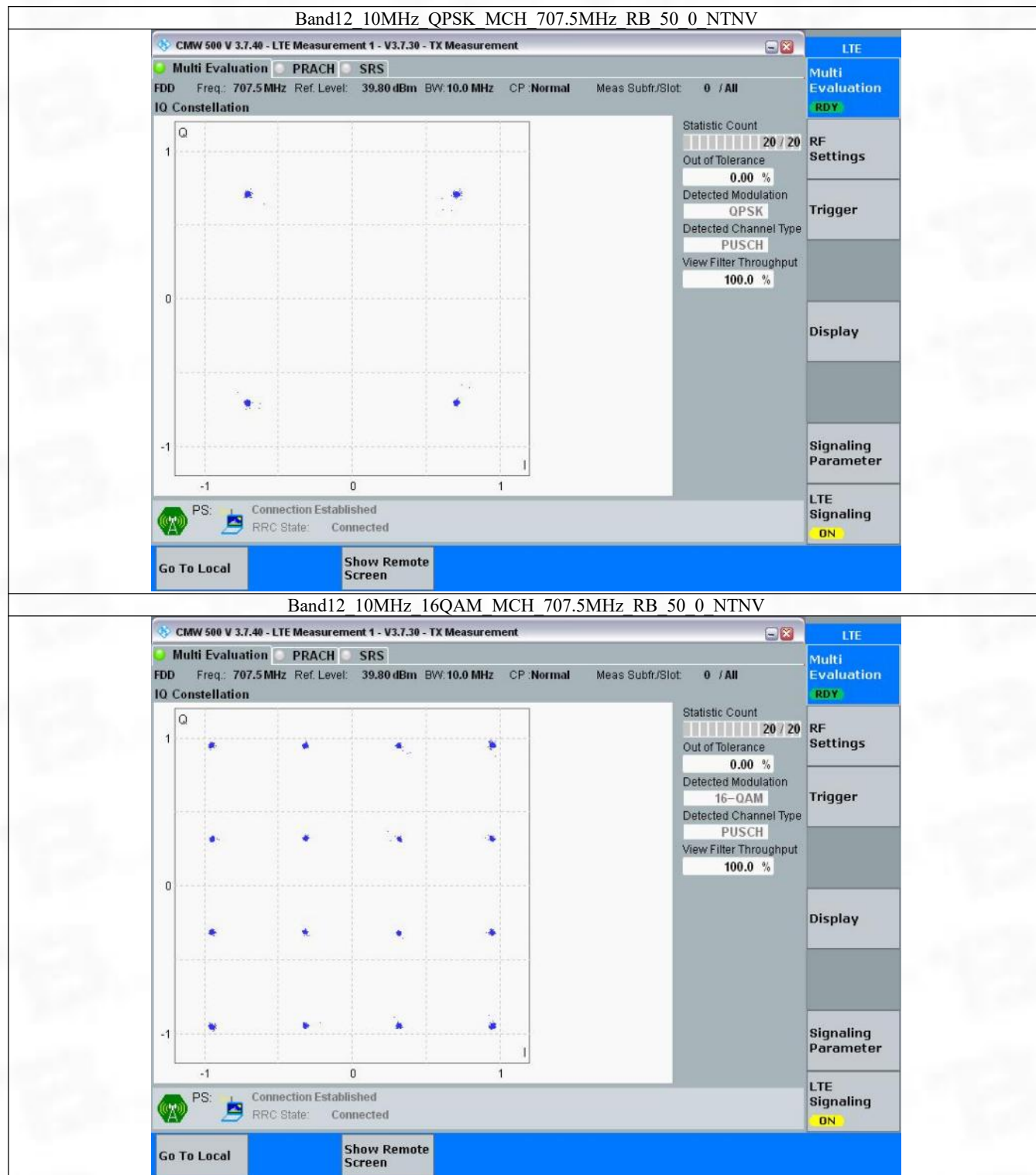
3.2.2 B12_3MHz



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	1.105	/	Pass
		715.3	6	0	1.110	/	Pass
	16QAM	699.7	6	0	1.110	/	Pass
		707.5	6	0	1.109	/	Pass
		715.3	6	0	1.113	/	Pass
3	QPSK	700.5	15	0	2.723	/	Pass
		707.5	15	0	2.733	/	Pass
		714.5	15	0	2.731	/	Pass
	16QAM	700.5	15	0	2.717	/	Pass
		707.5	15	0	2.716	/	Pass
		714.5	15	0	2.711	/	Pass
5	QPSK	701.5	25	0	4.557	/	Pass
		707.5	25	0	4.561	/	Pass
		713.5	25	0	4.565	/	Pass
	16QAM	701.5	25	0	4.581	/	Pass
		707.5	25	0	4.592	/	Pass
		713.5	25	0	4.546	/	Pass
10	QPSK	704	50	0	9.080	/	Pass
		707.5	50	0	9.060	/	Pass
		711	50	0	9.077	/	Pass
	16QAM	704	50	0	9.075	/	Pass
		707.5	50	0	9.090	/	Pass
		711	50	0	9.063	/	Pass

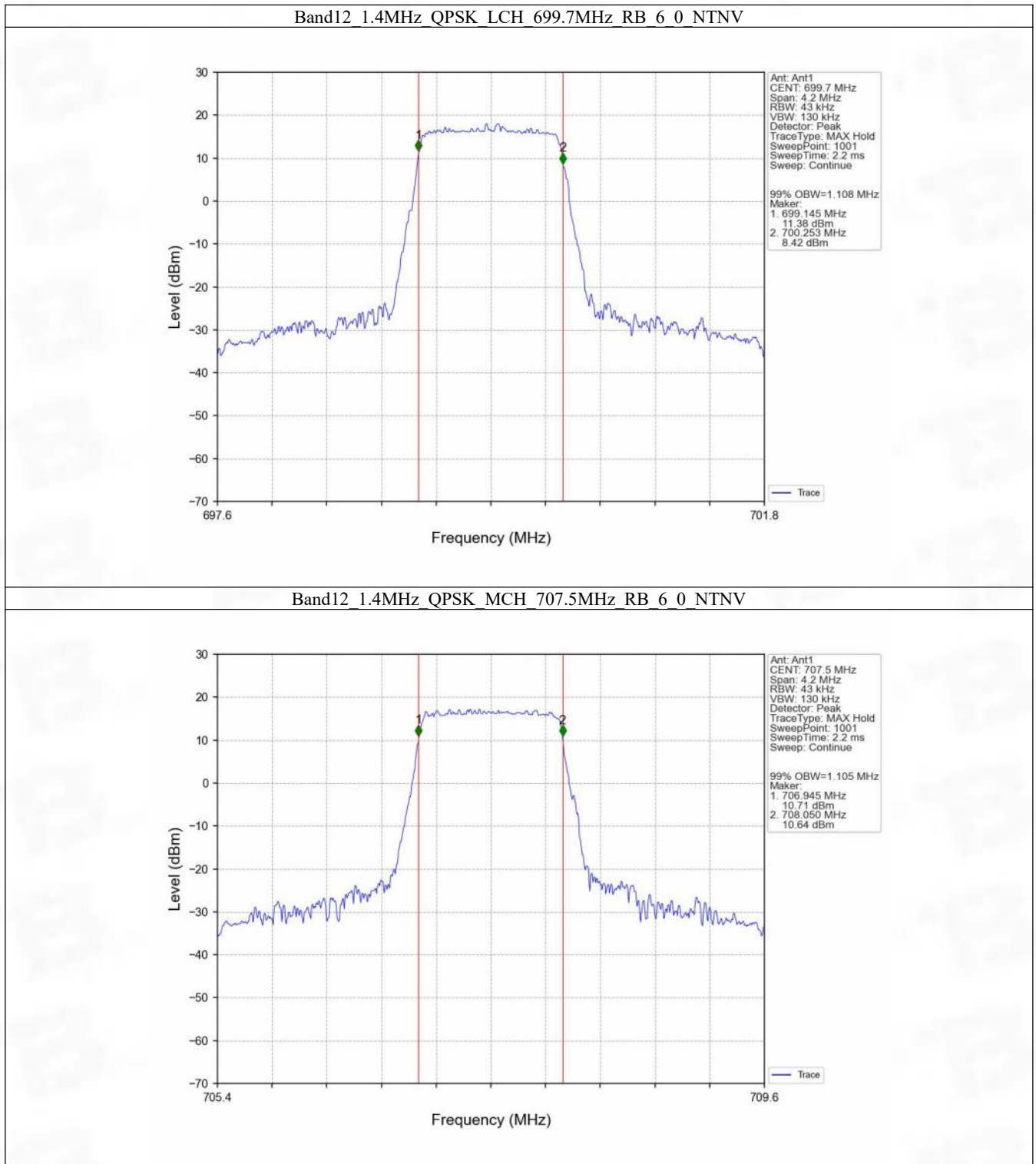
4.1.2 Band12_XDB

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	1.305	/	Pass
		707.5	6	0	1.333	/	Pass
		715.3	6	0	1.315	/	Pass
	16QAM	699.7	6	0	1.324	/	Pass
		707.5	6	0	1.306	/	Pass
		715.3	6	0	1.334	/	Pass
3	QPSK	700.5	15	0	3.003	/	Pass
		707.5	15	0	2.983	/	Pass
		714.5	15	0	2.994	/	Pass
	16QAM	700.5	15	0	2.999	/	Pass
		707.5	15	0	2.993	/	Pass
		714.5	15	0	2.979	/	Pass
5	QPSK	701.5	25	0	5.208	/	Pass
		707.5	25	0	5.260	/	Pass
		713.5	25	0	5.238	/	Pass
	16QAM	701.5	25	0	5.301	/	Pass
		707.5	25	0	5.212	/	Pass
		711	25	0	5.212	/	Pass

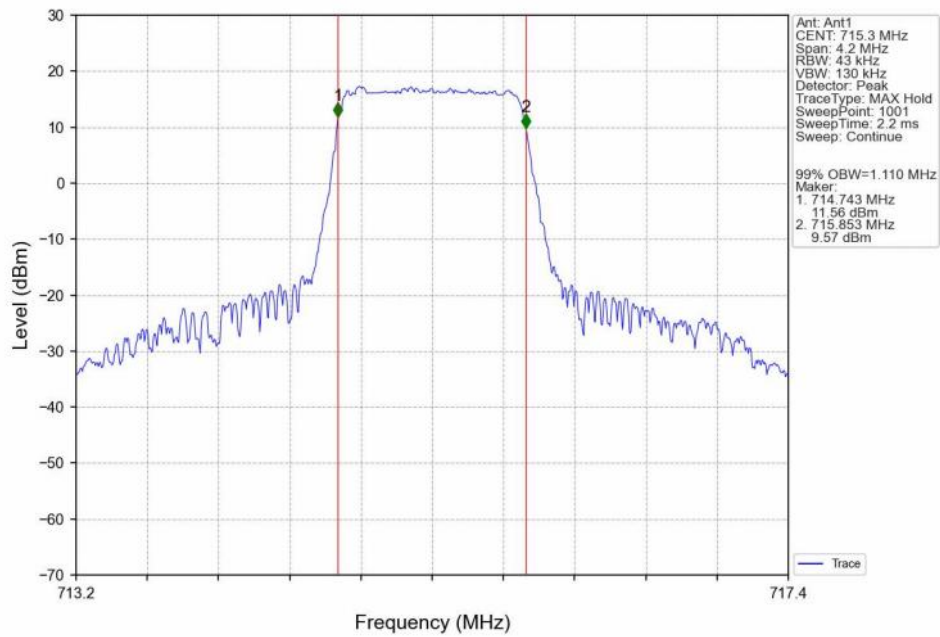
10	QPSK	713.5	25	0	5.257	/	Pass
		704	50	0	10.348	/	Pass
		707.5	50	0	10.257	/	Pass
		711	50	0	10.235	/	Pass
	16QAM	704	50	0	10.251	/	Pass
		707.5	50	0	10.150	/	Pass
		711	50	0	10.154	/	Pass

4.2 Test Graph

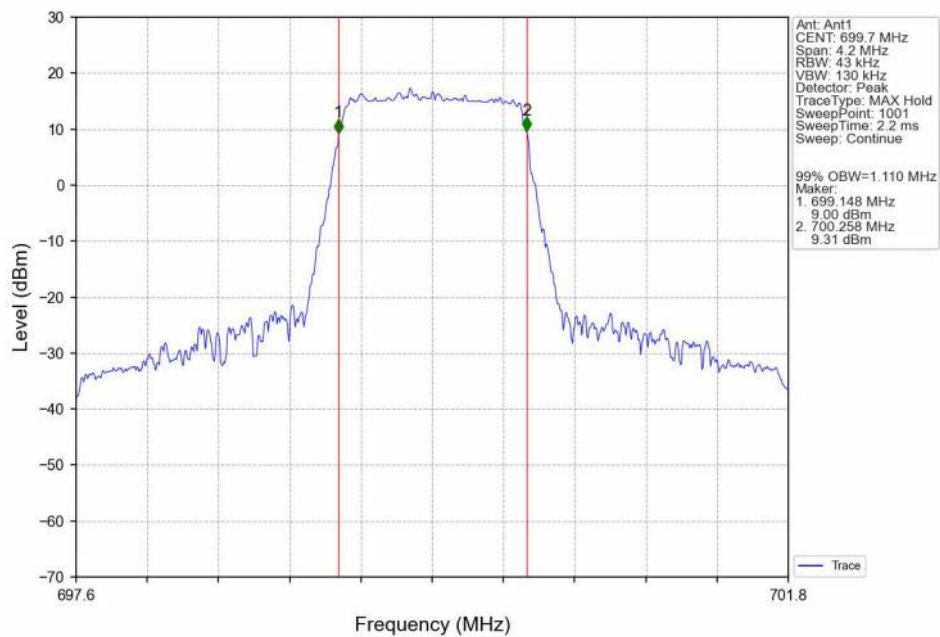
4.2.1 Band12_OBW



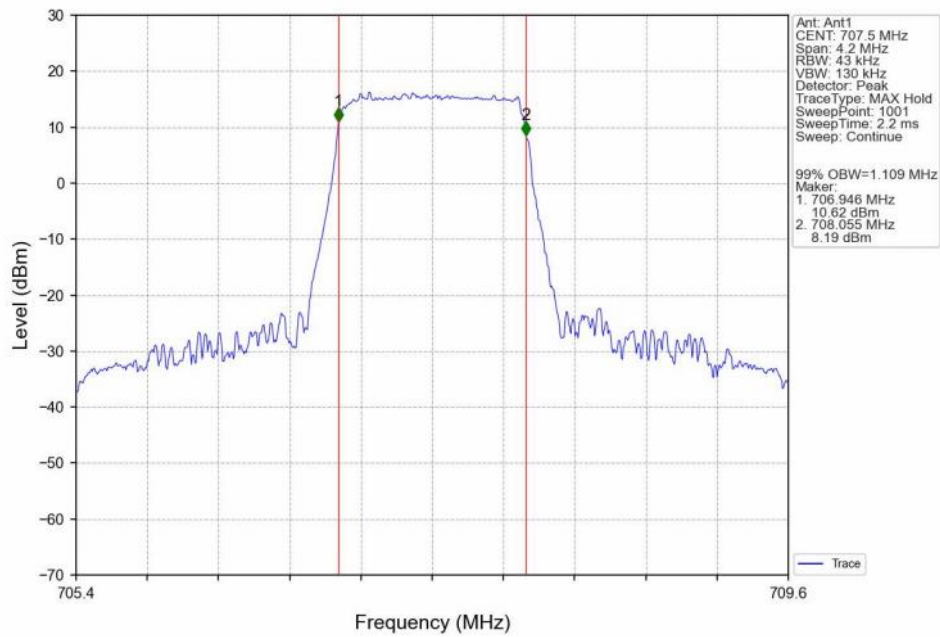
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



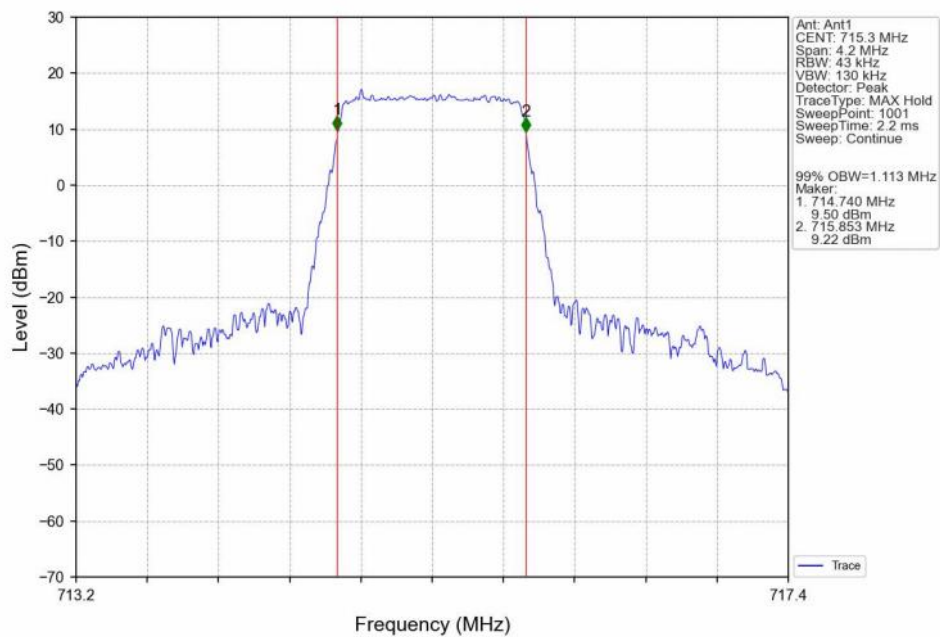
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



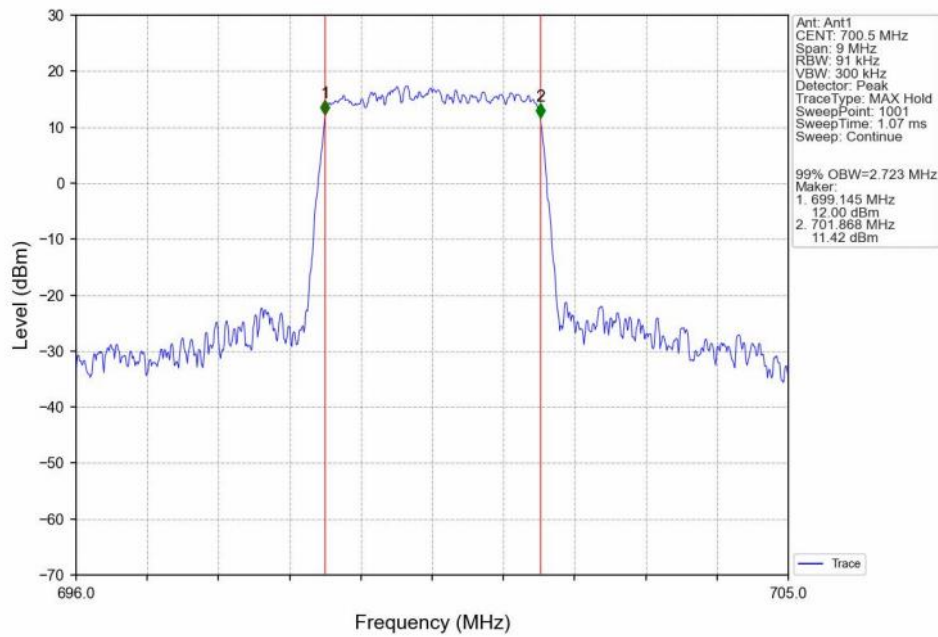
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



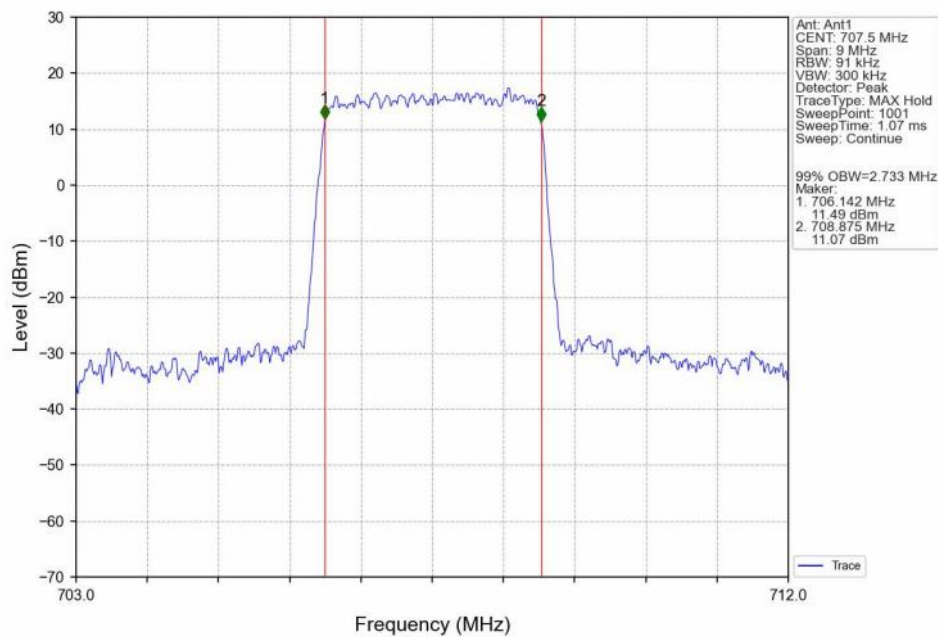
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



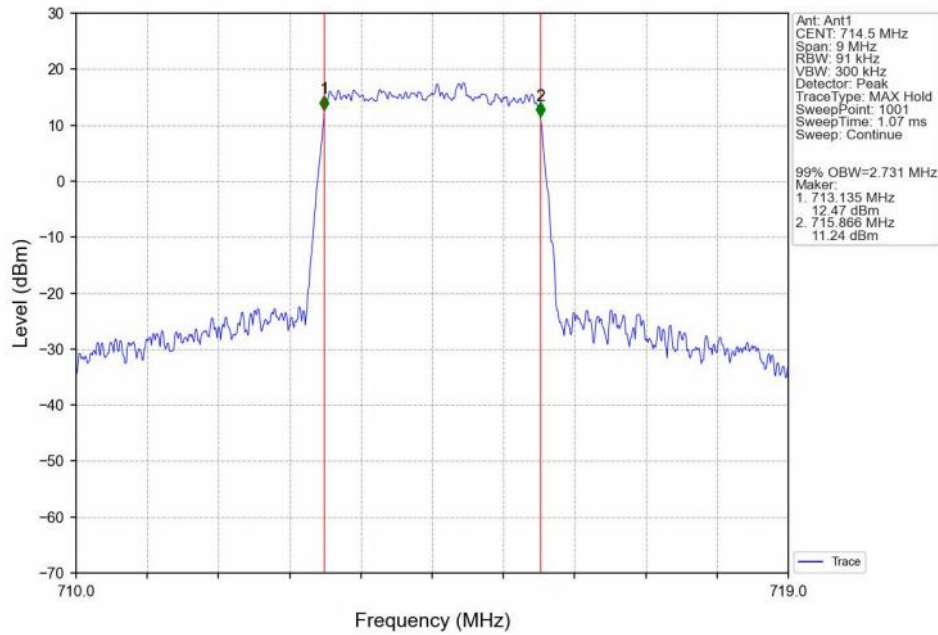
Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV



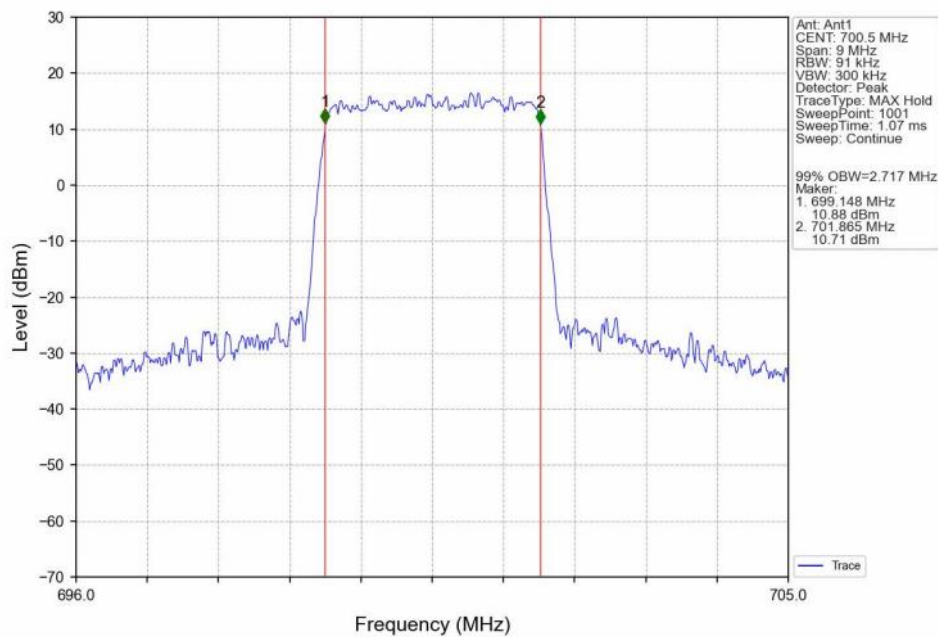
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTNV



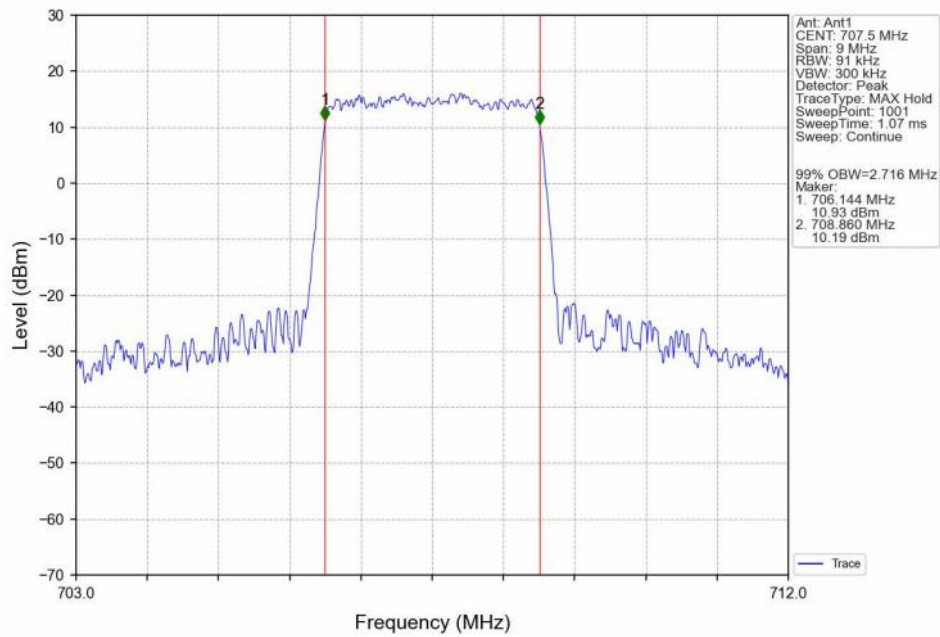
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



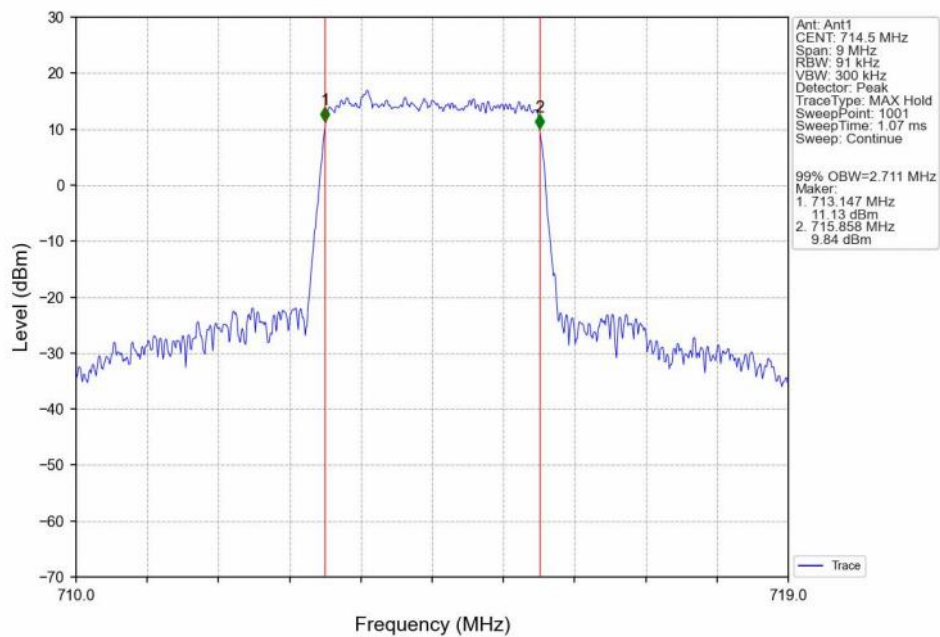
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



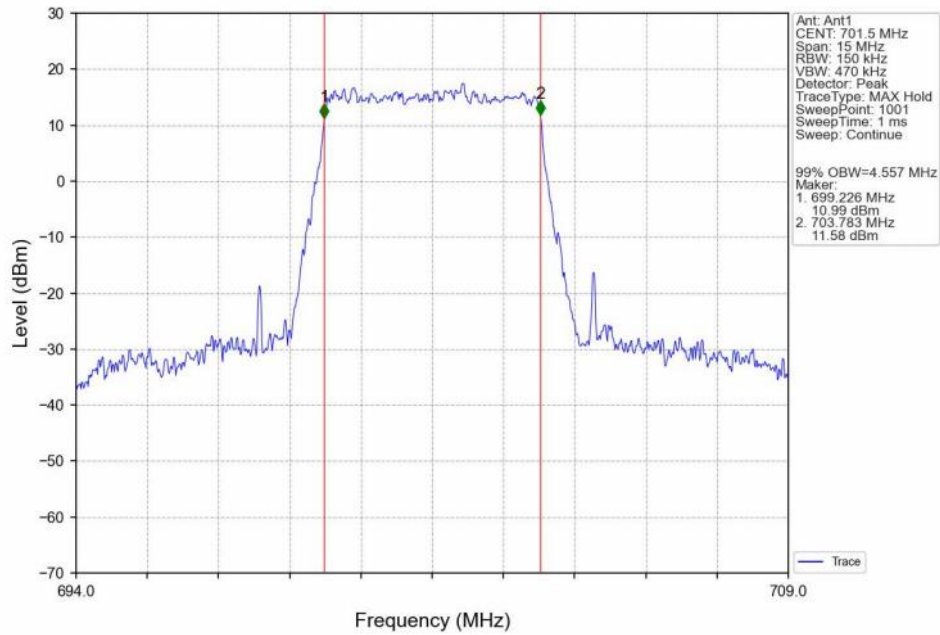
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



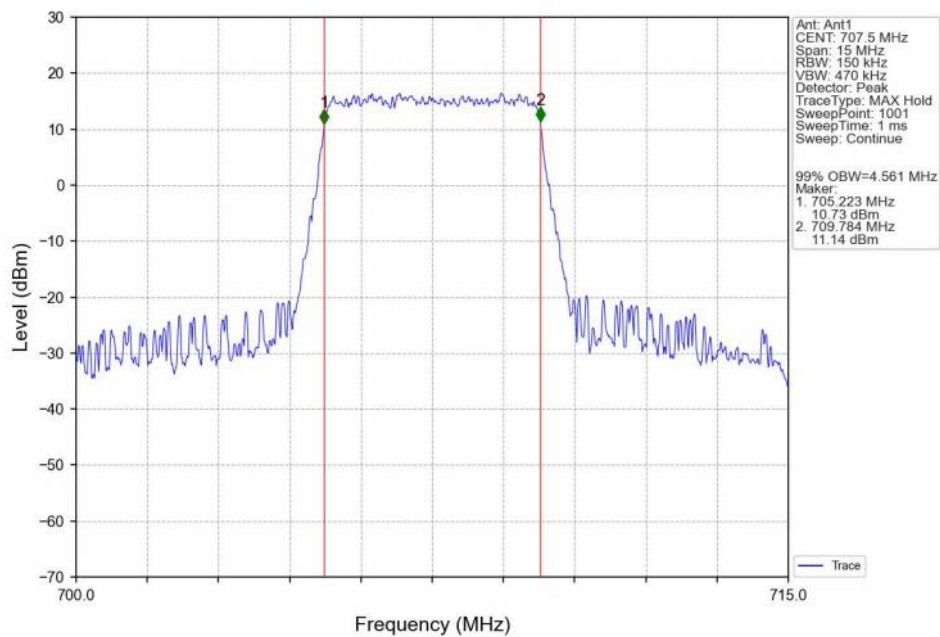
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



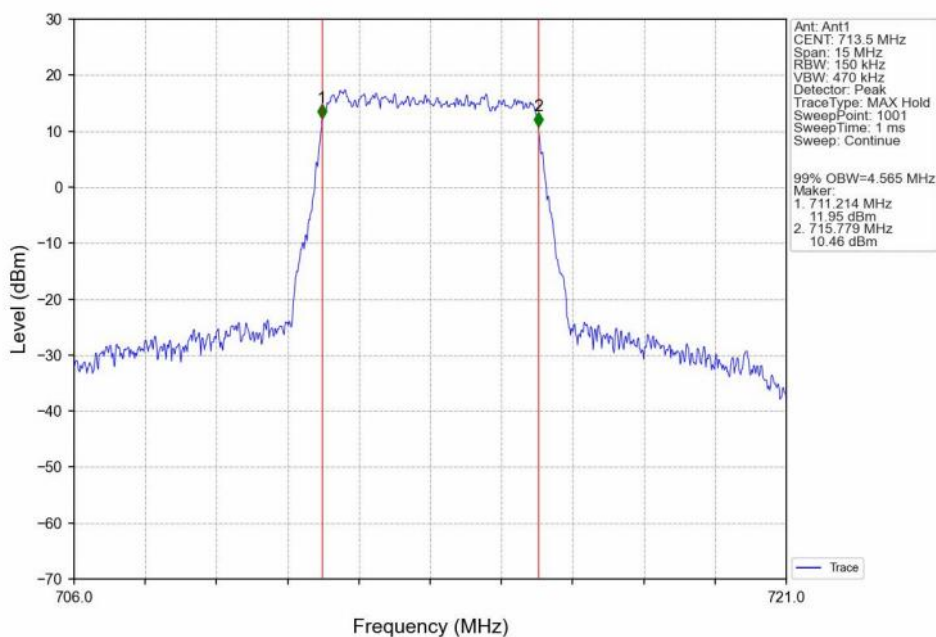
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



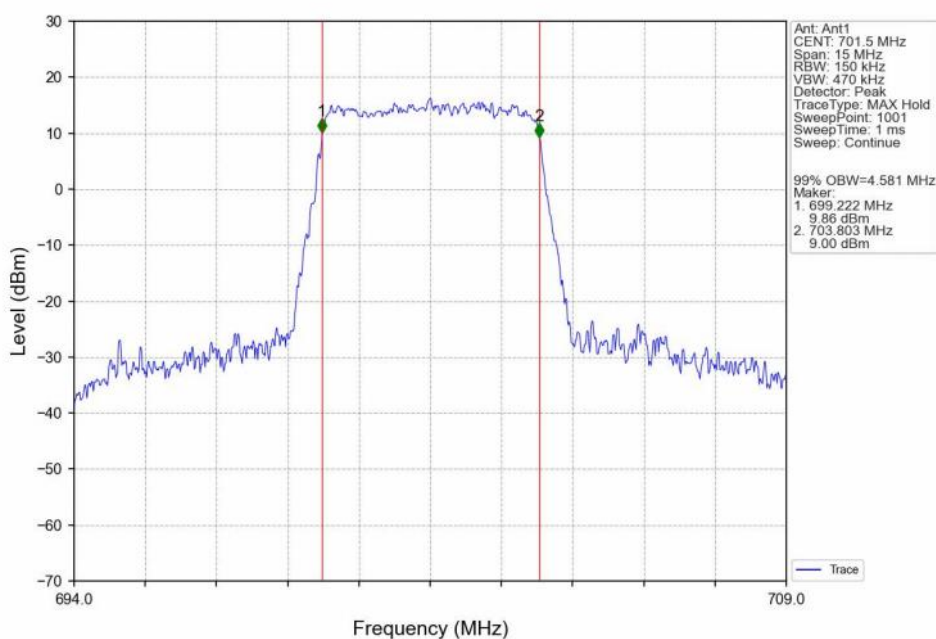
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



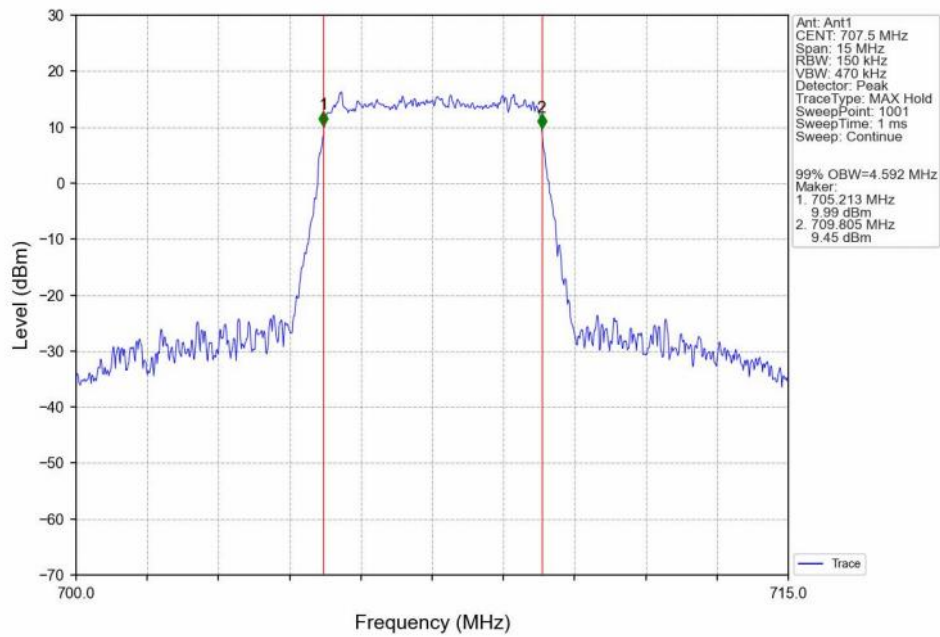
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



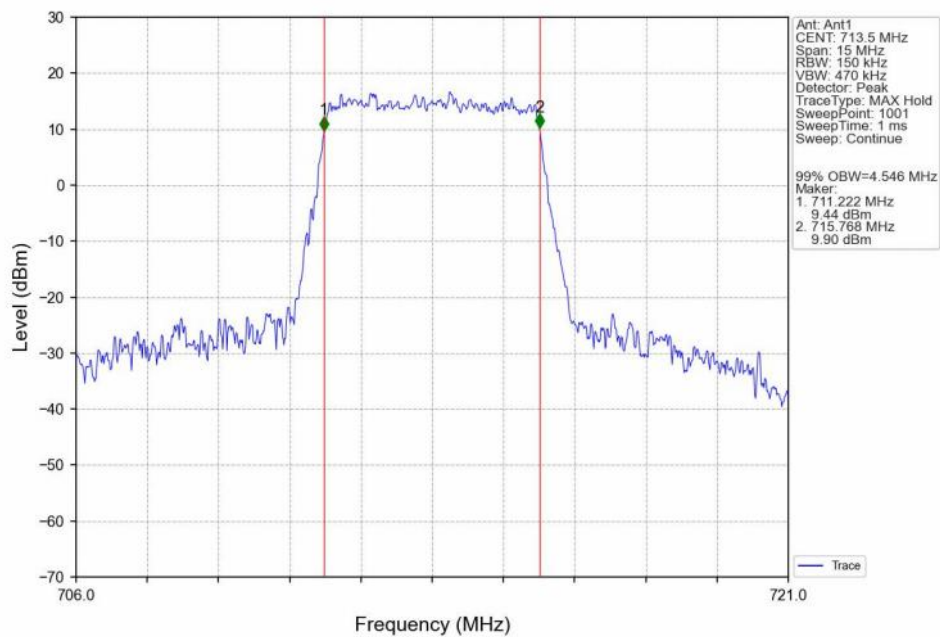
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



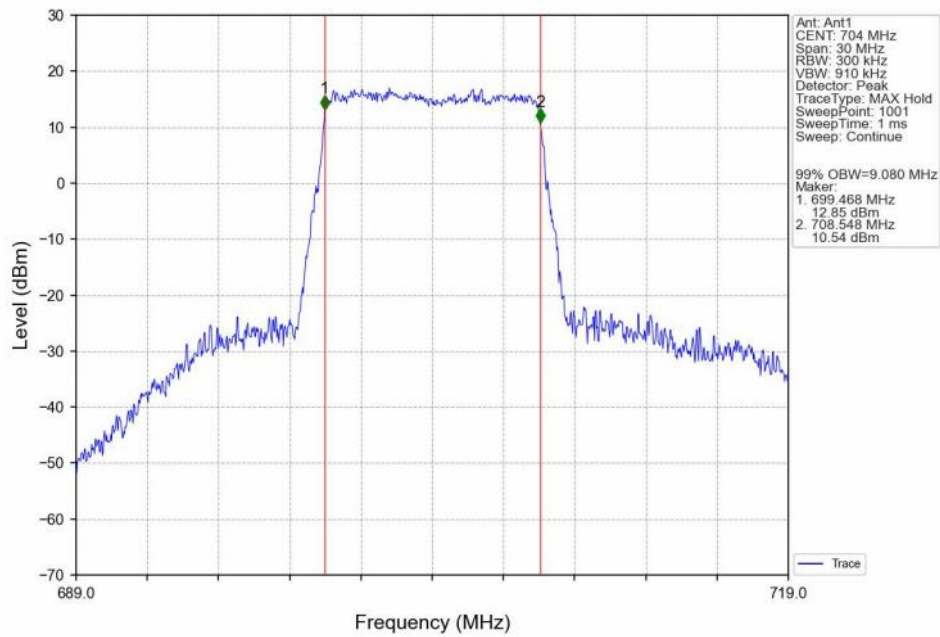
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



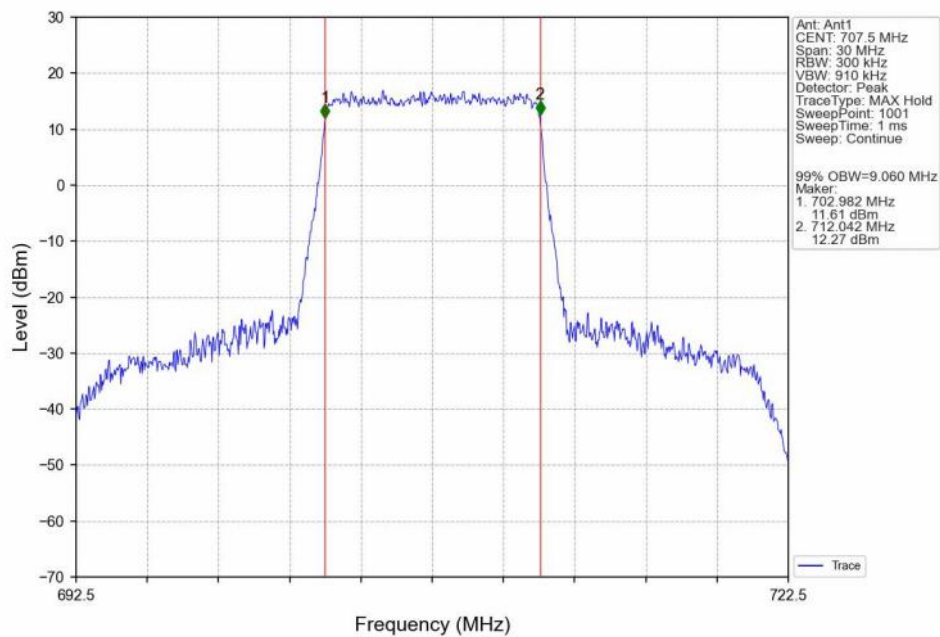
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



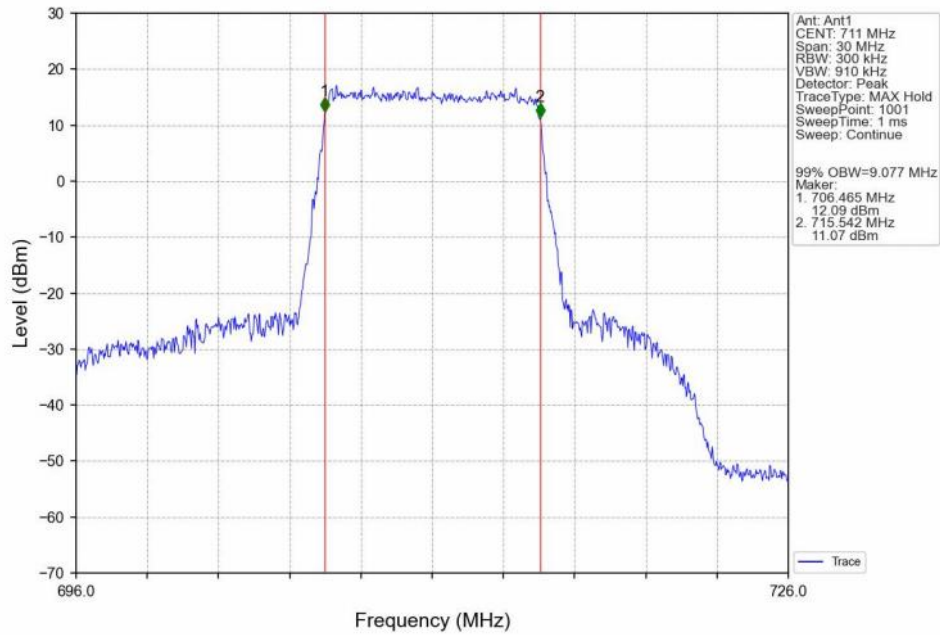
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTNV



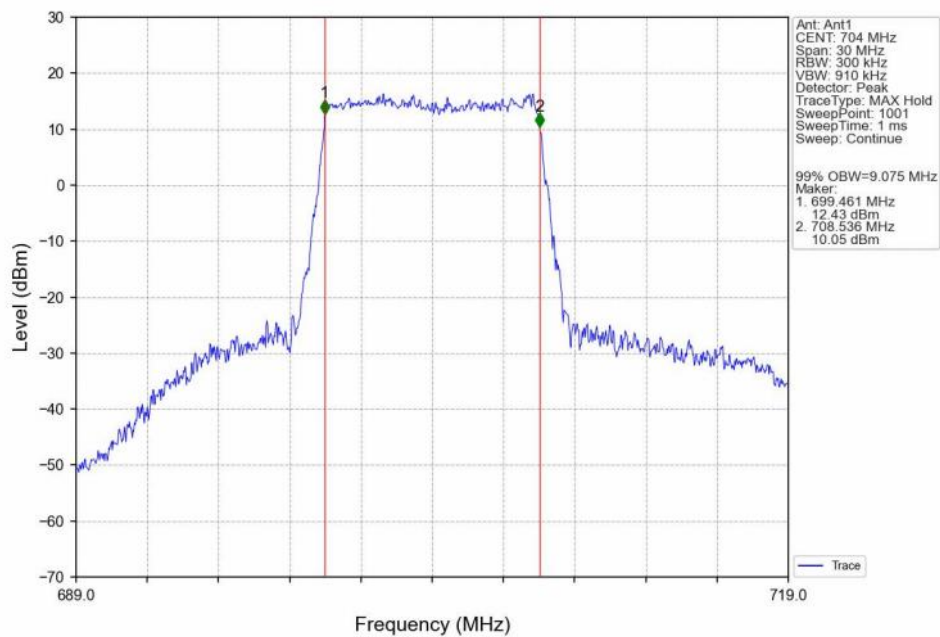
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTNV



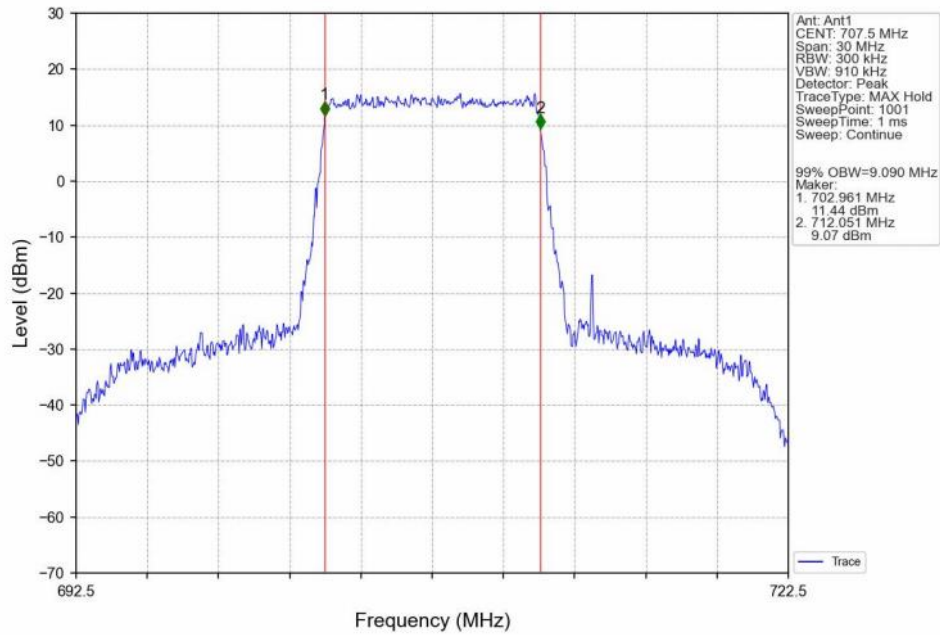
Band12 10MHz QPSK HCH 711MHz RB 50 0 NTNV



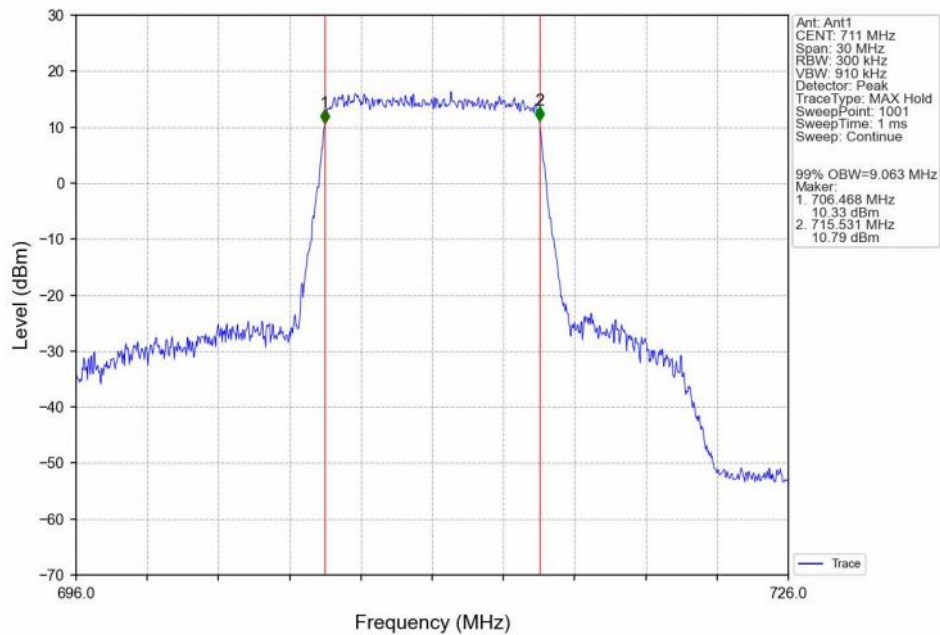
Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTNV



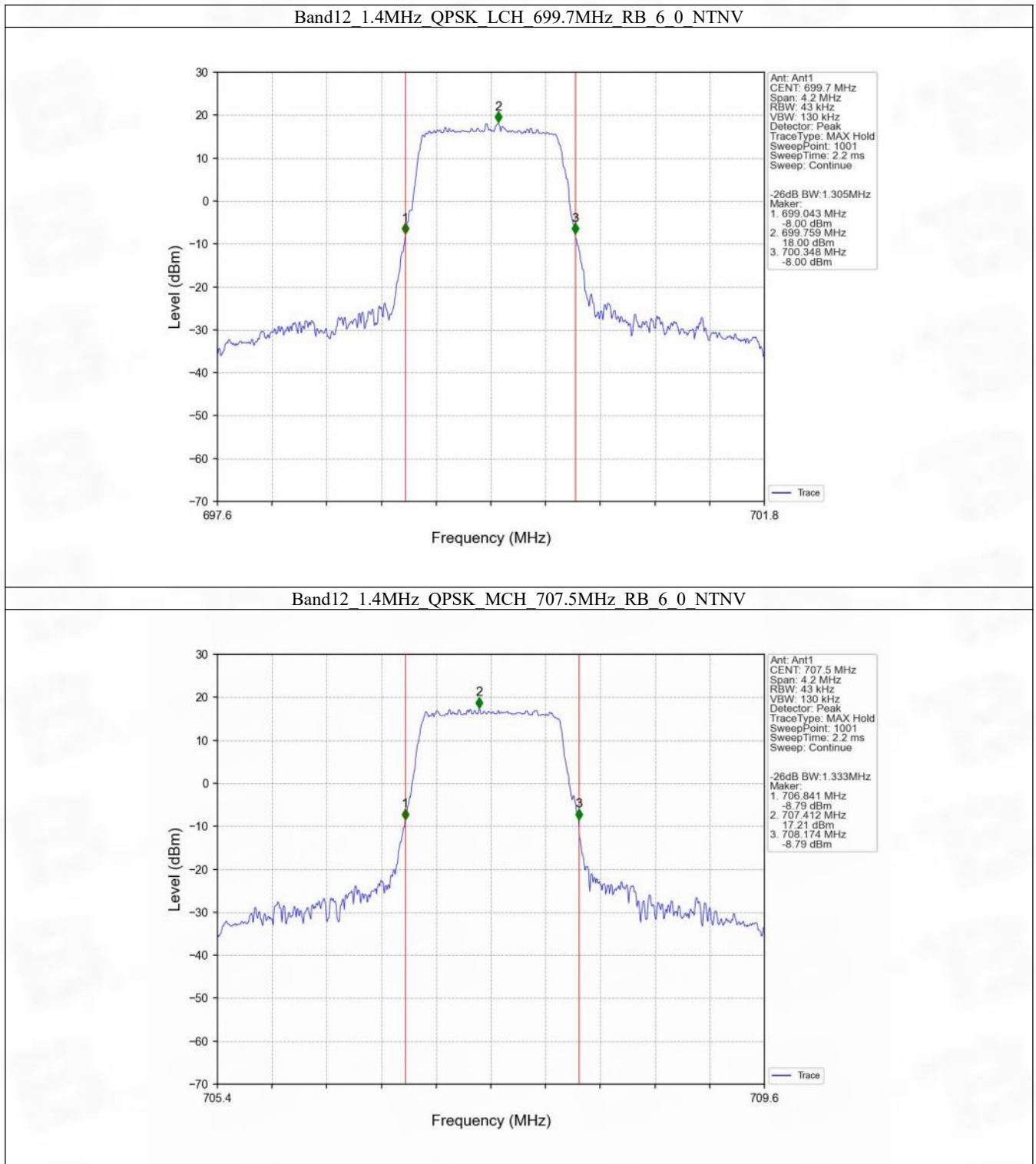
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



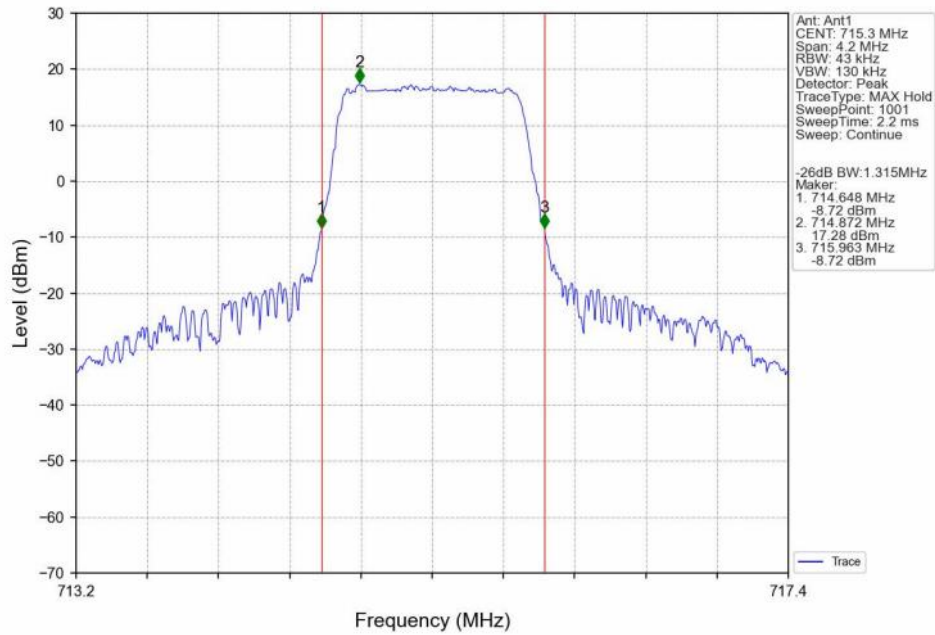
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



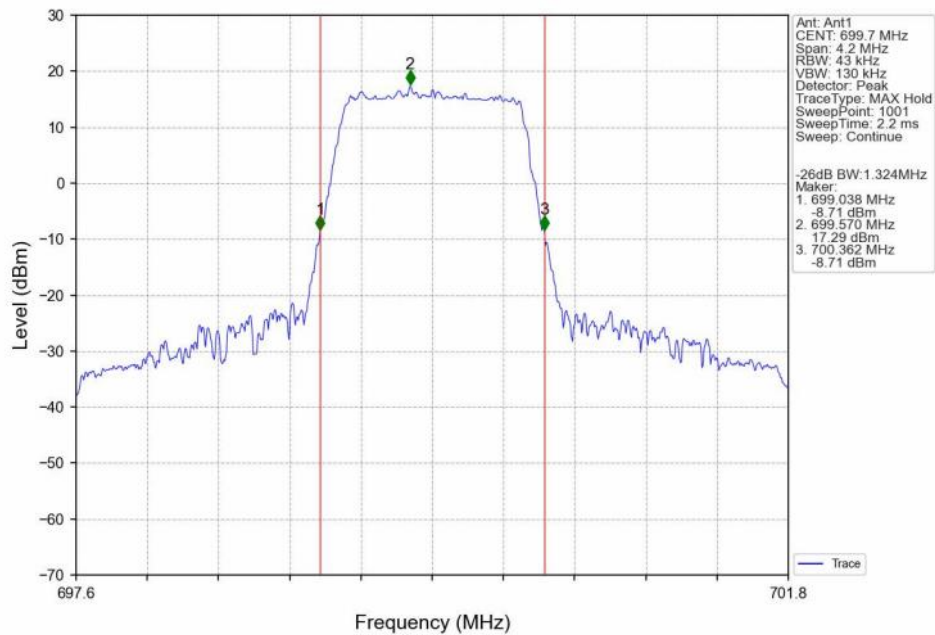
4.2.2 Band12_XDB



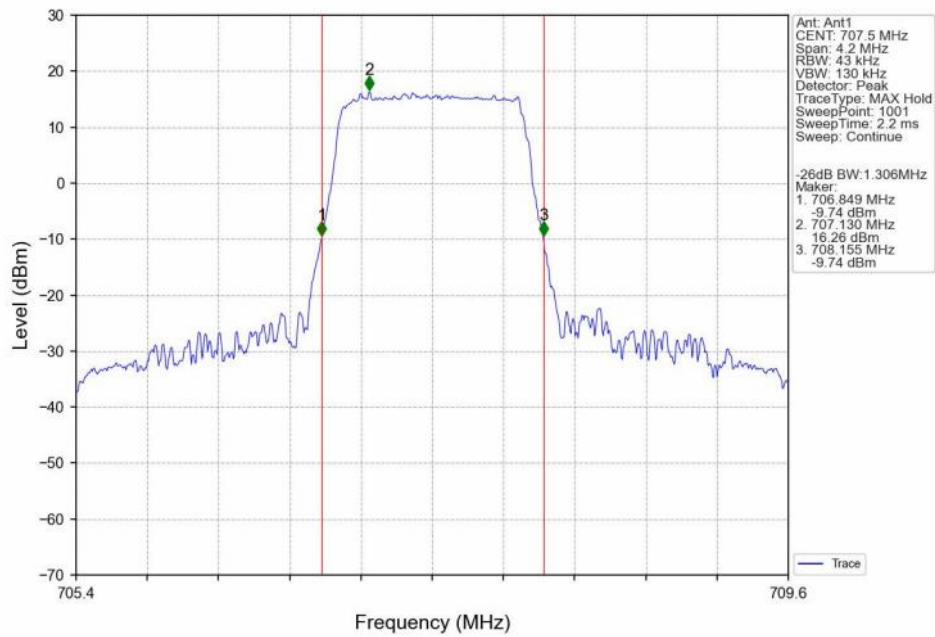
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



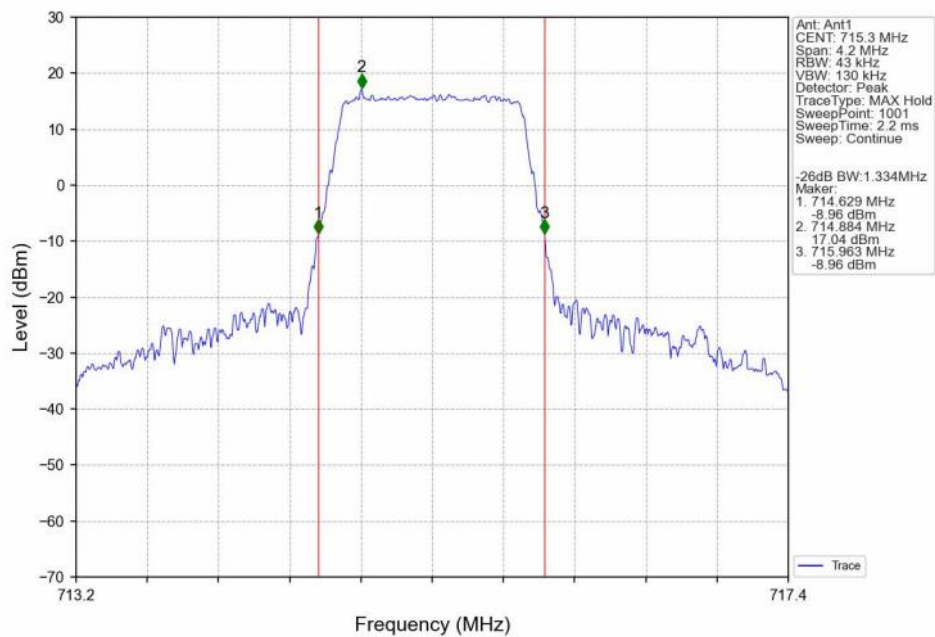
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



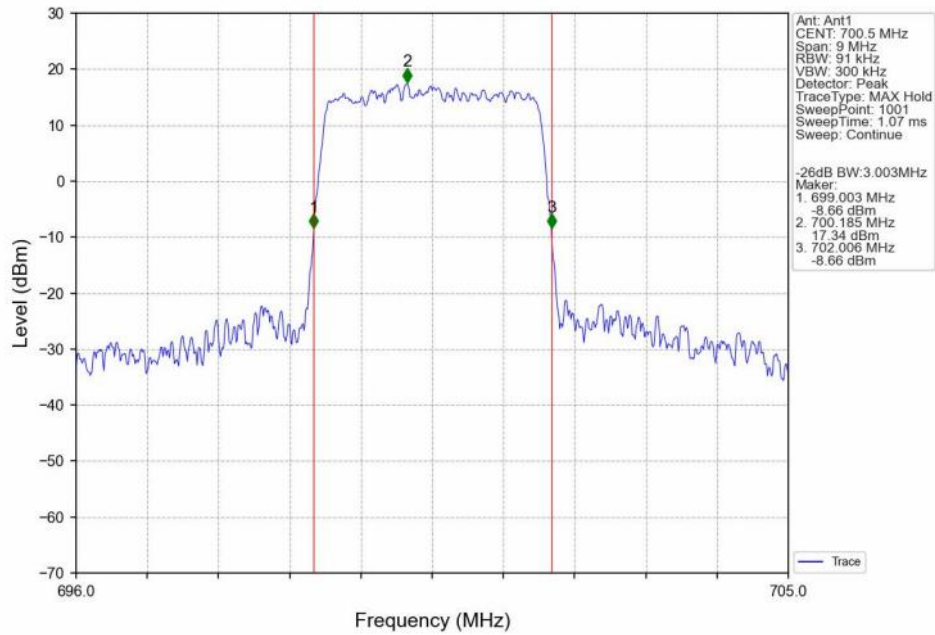
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



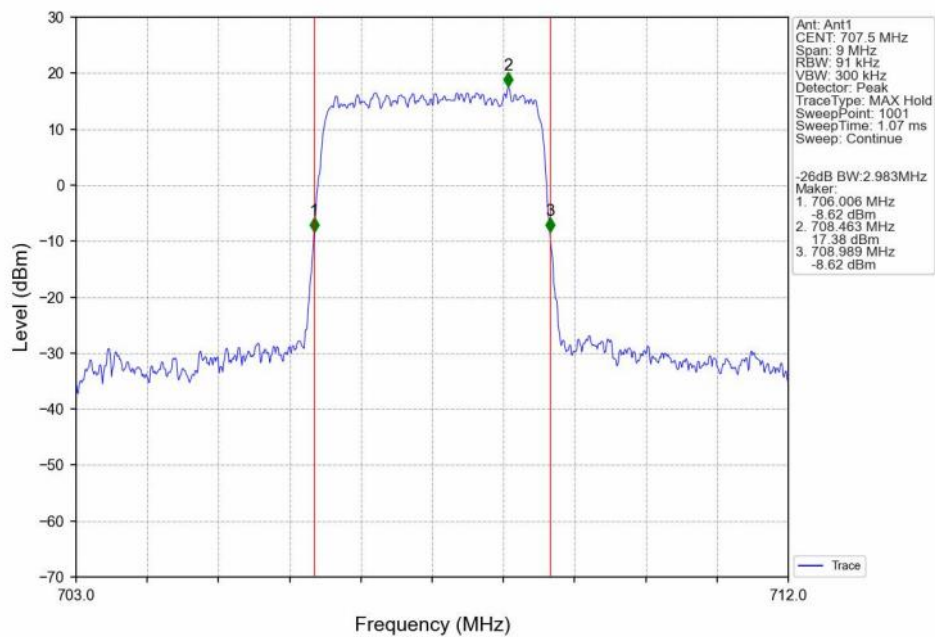
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



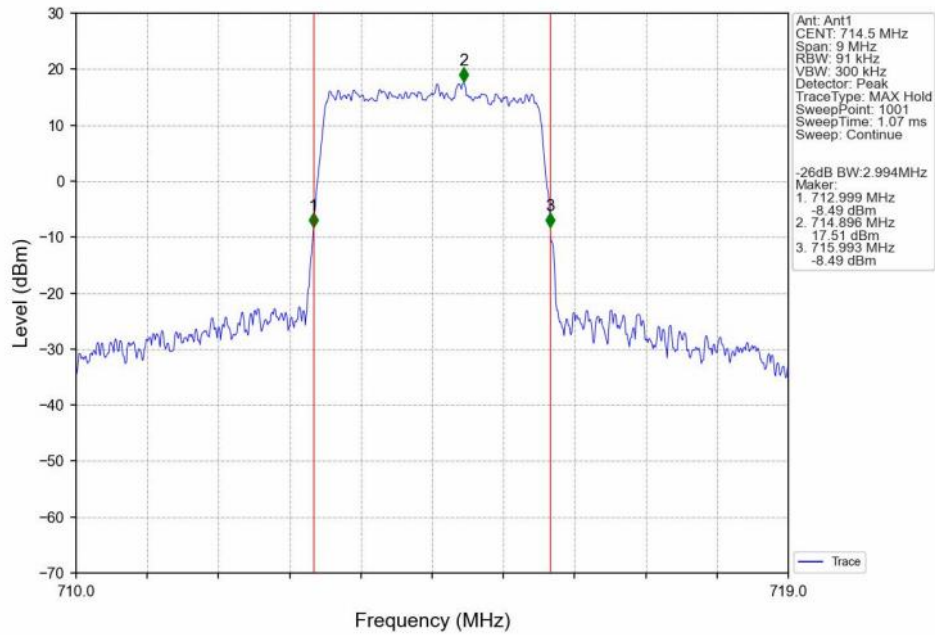
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



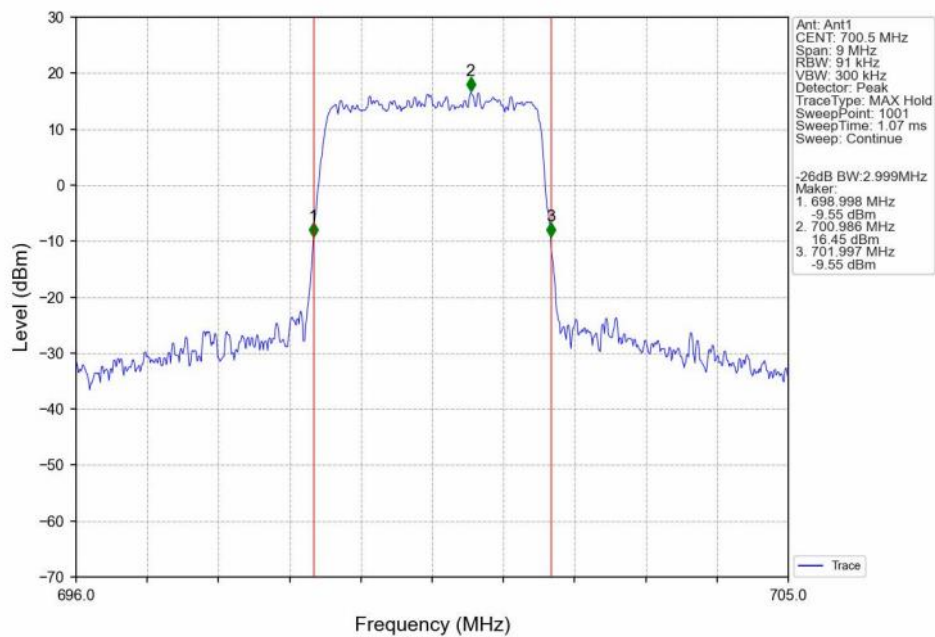
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



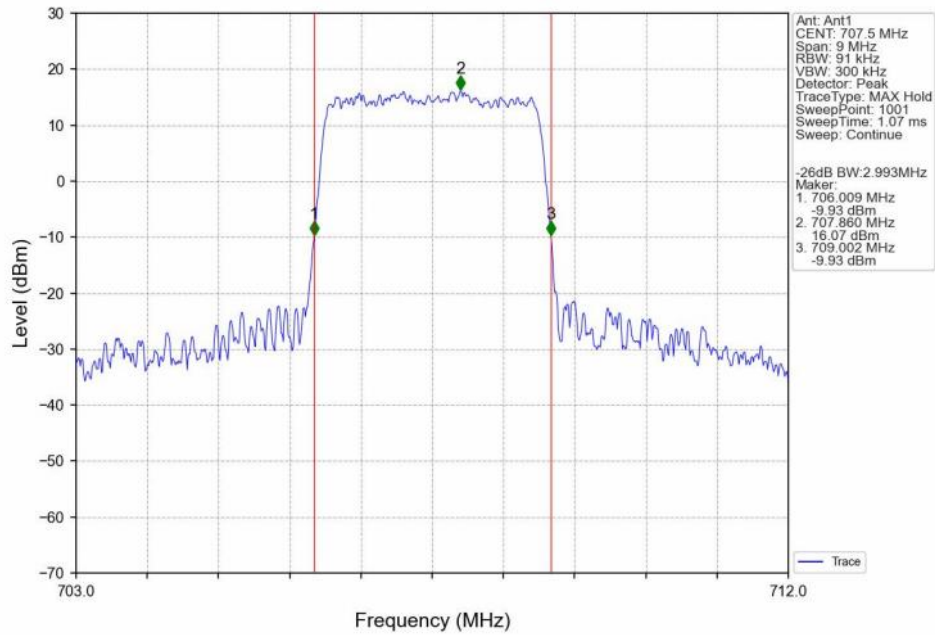
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



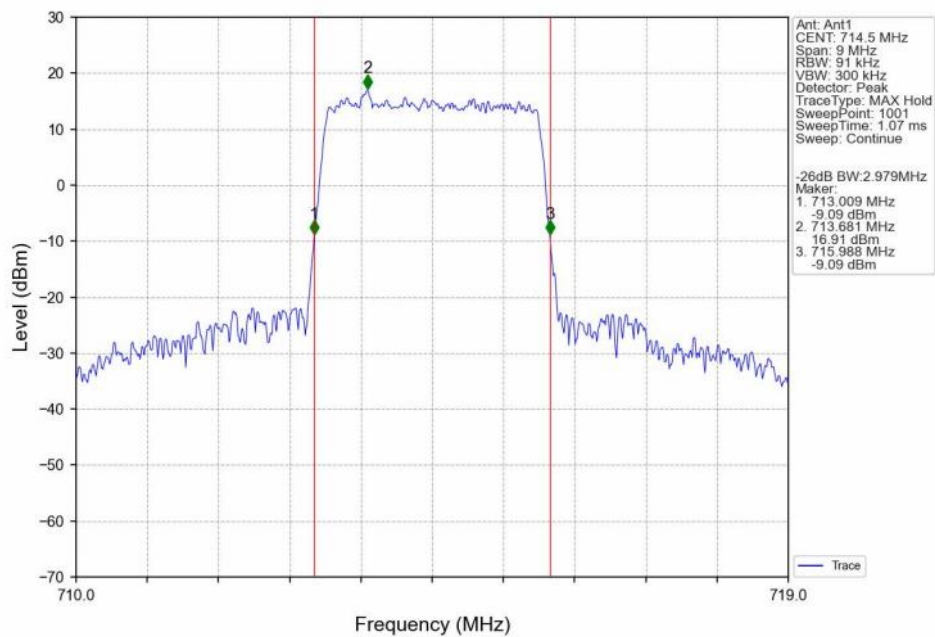
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



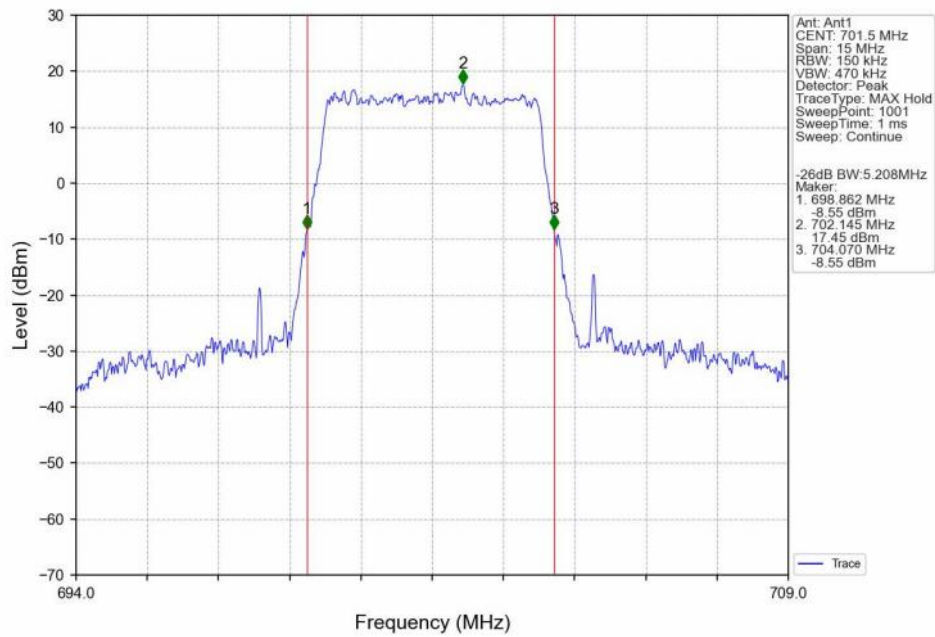
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



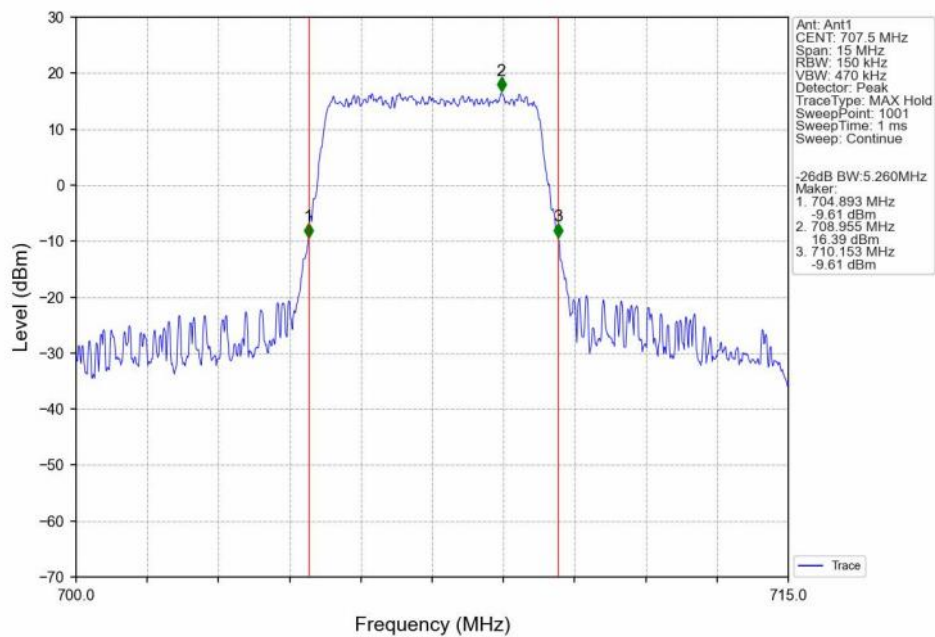
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



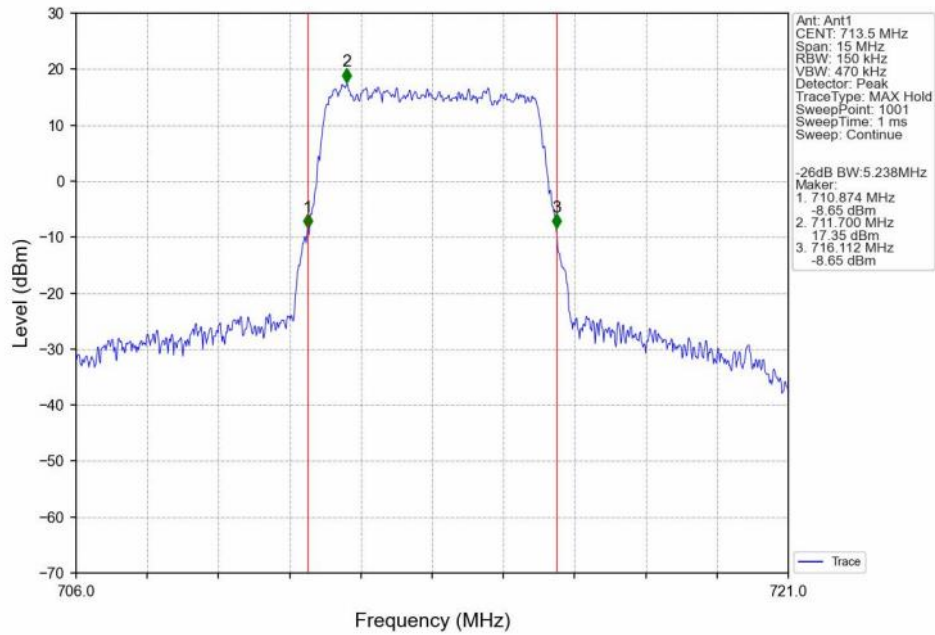
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



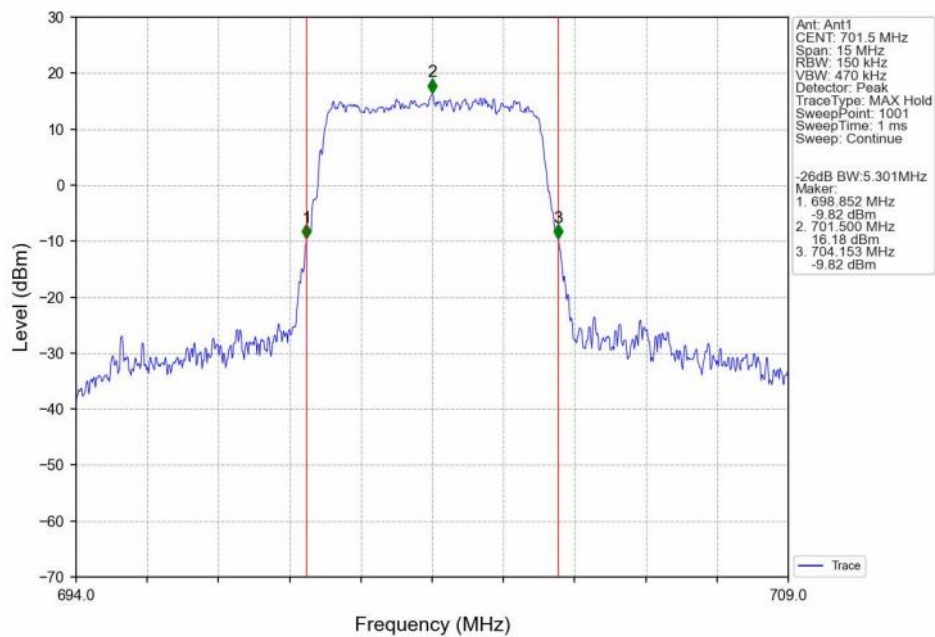
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



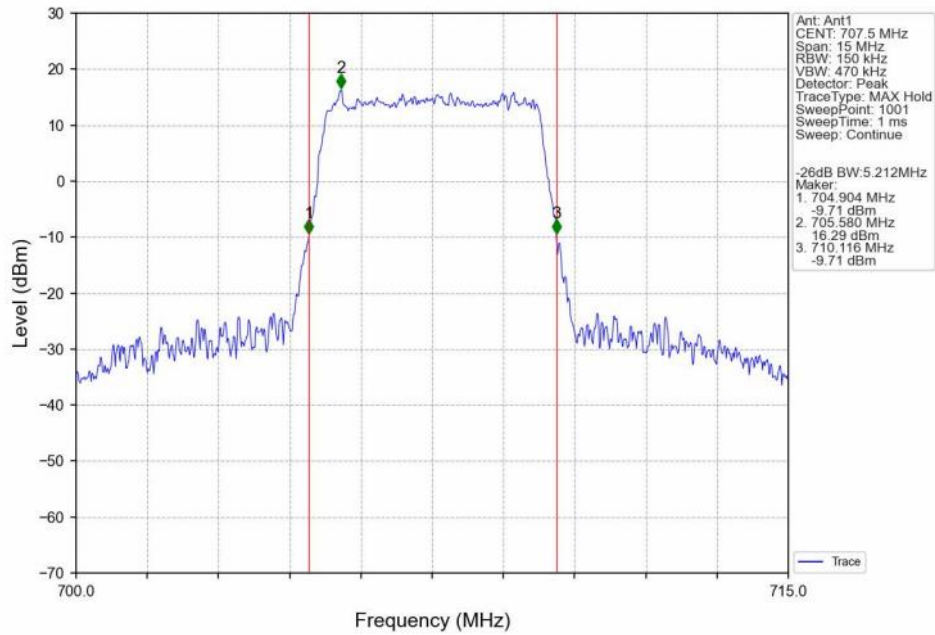
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



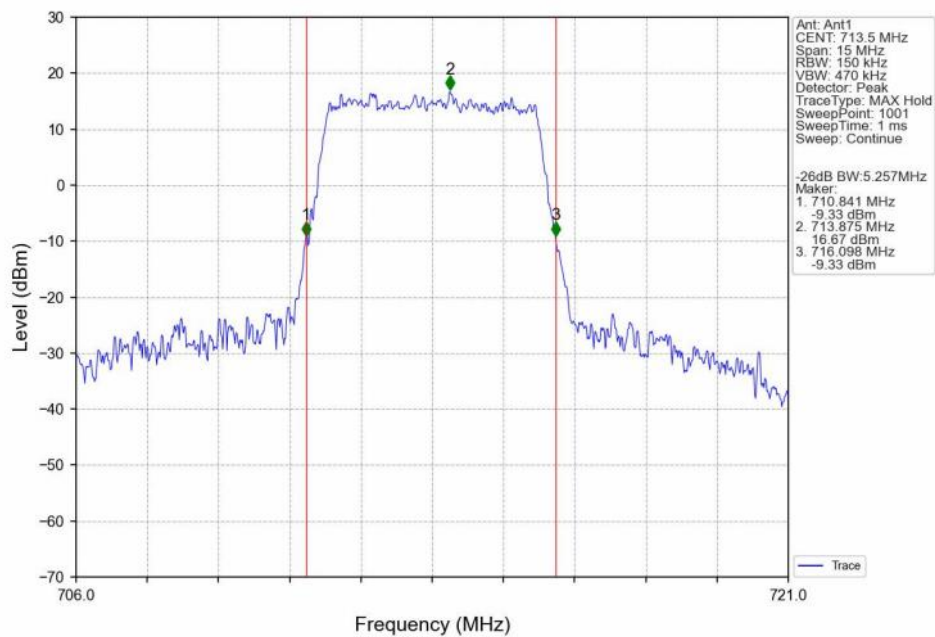
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



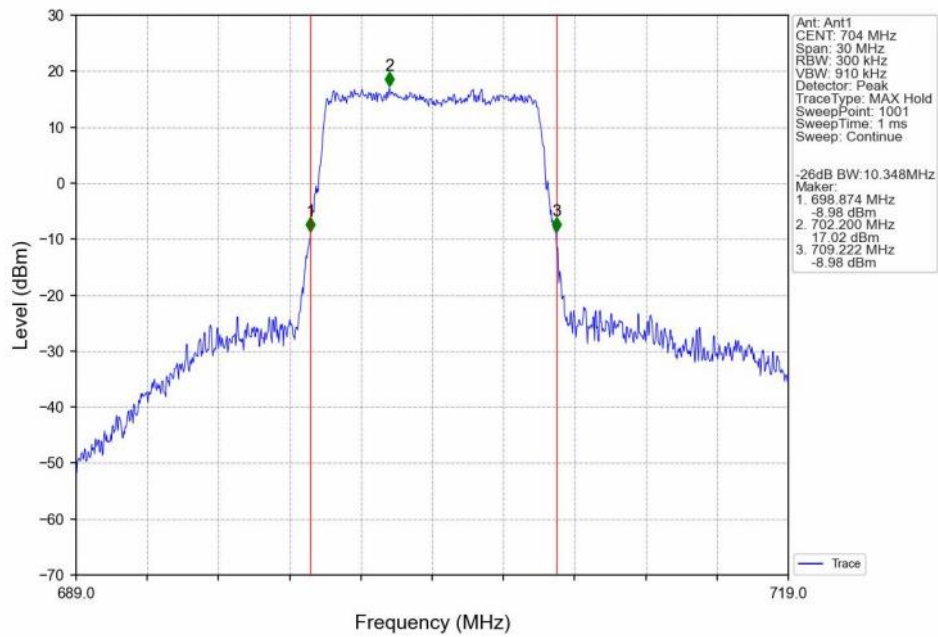
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



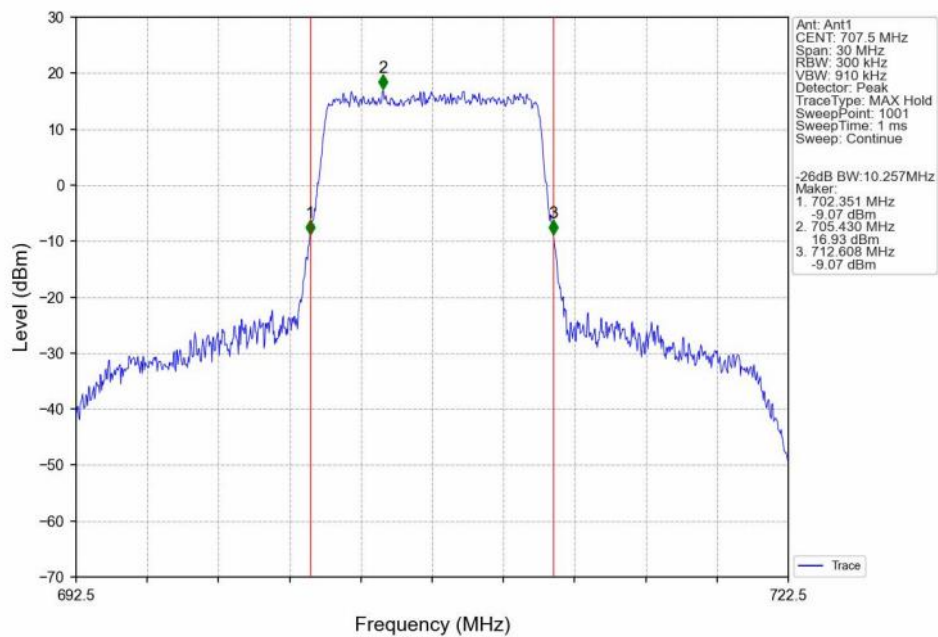
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



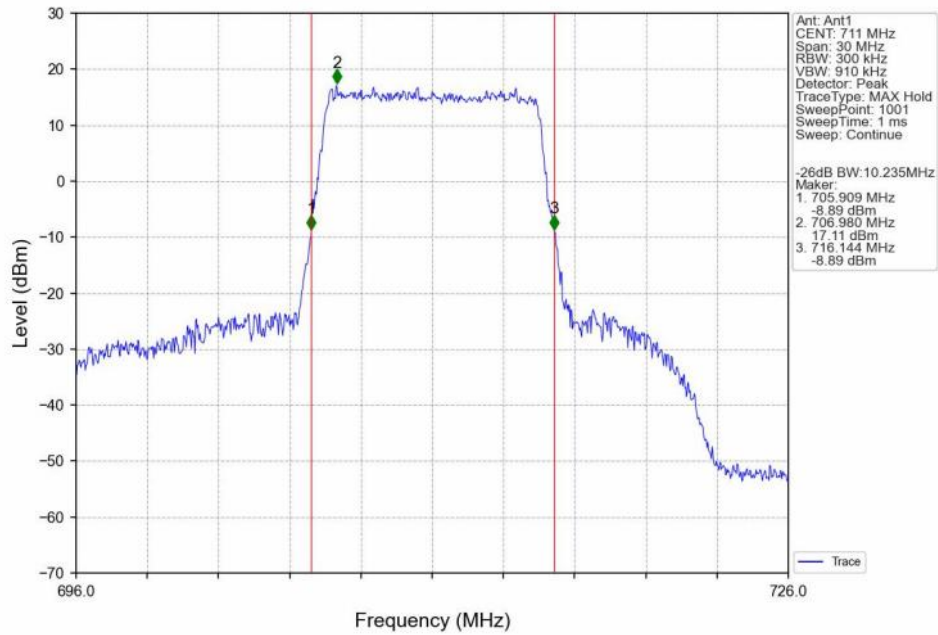
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTNV



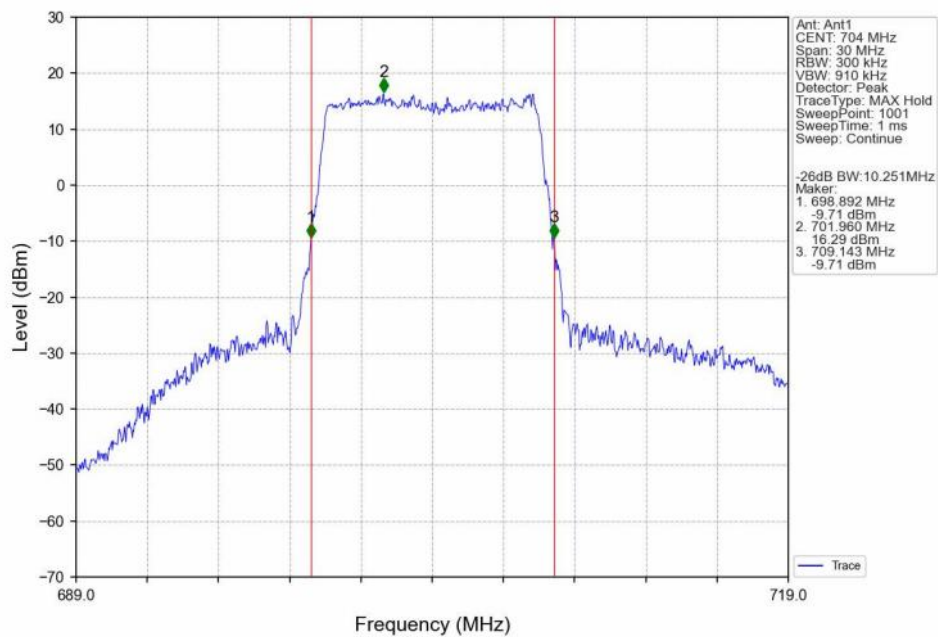
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTNV



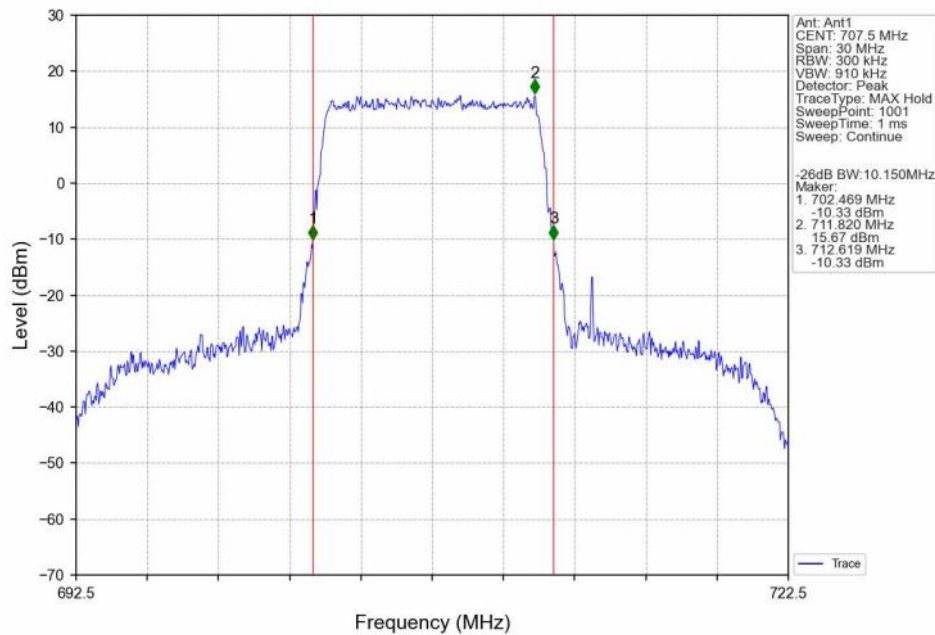
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



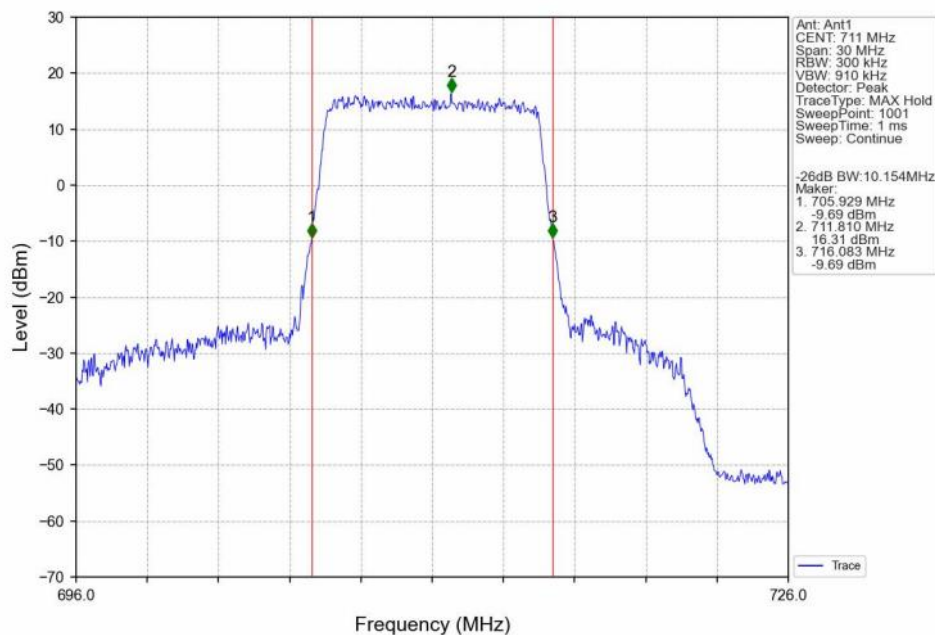
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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	5.38	<=13	Pass
	707.5	6	0	5.43	<=13	Pass
	715.3	6	0	5.25	<=13	Pass
16QAM	699.7	6	0	6.16	<=13	Pass
	707.5	6	0	6.29	<=13	Pass
	715.3	6	0	6.08	<=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	5.49	<=13	Pass
	714.5	15	0	5.45	<=13	Pass
16QAM	700.5	15	0	6.32	<=13	Pass
	707.5	15	0	6.34	<=13	Pass
	714.5	15	0	6.26	<=13	Pass

5.1.3 B12_5MHz

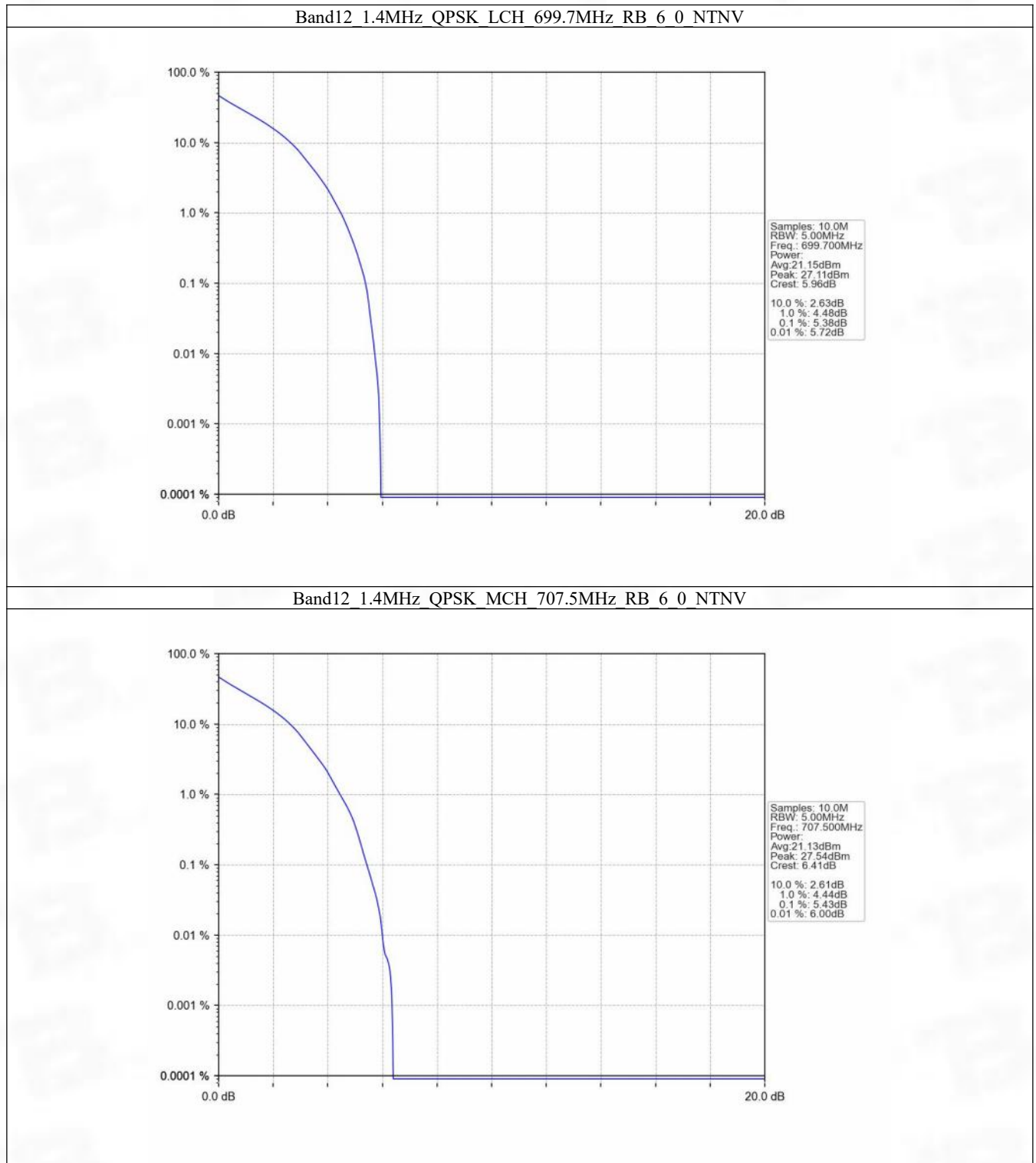
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.59	<=13	Pass
	707.5	25	0	5.67	<=13	Pass
	713.5	25	0	5.58	<=13	Pass
16QAM	701.5	25	0	6.35	<=13	Pass
	707.5	25	0	6.35	<=13	Pass
	713.5	25	0	6.27	<=13	Pass

5.1.4 B12_10MHz

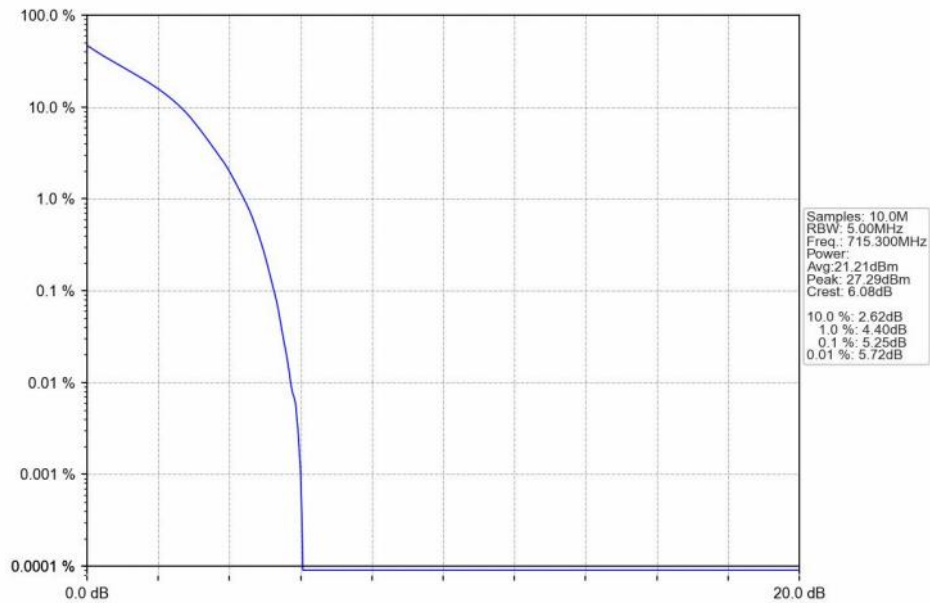
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.63	<=13	Pass
	707.5	50	0	5.62	<=13	Pass
	711	50	0	5.59	<=13	Pass
16QAM	704	50	0	6.39	<=13	Pass
	707.5	50	0	6.39	<=13	Pass
	711	50	0	6.32	<=13	Pass

5.2 Test Graph

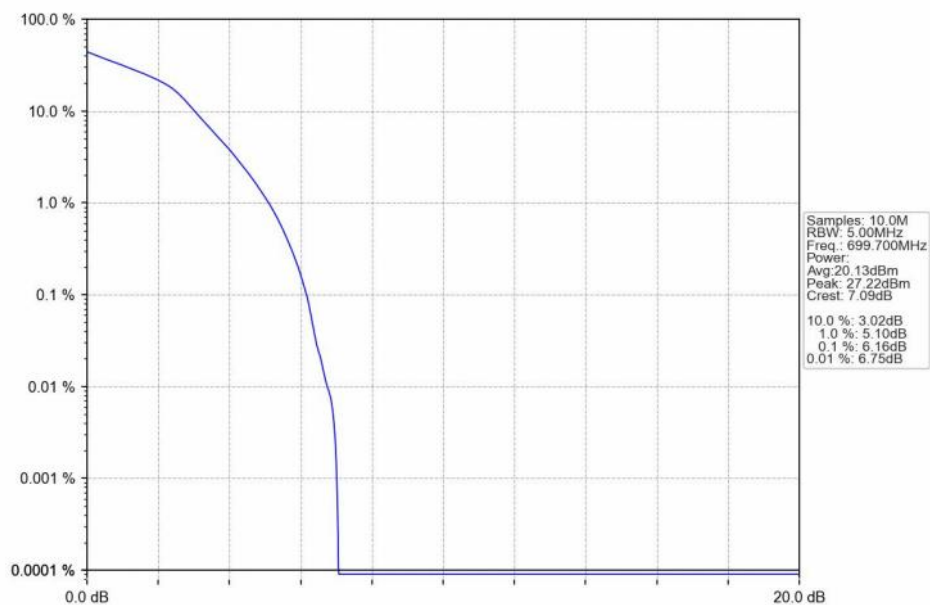
5.2.1 B12_1.4MHz



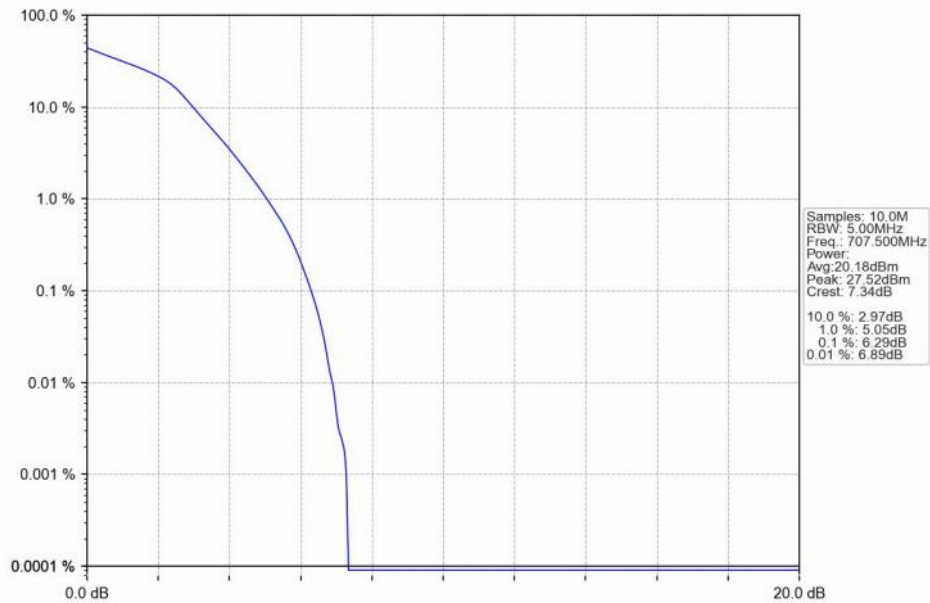
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



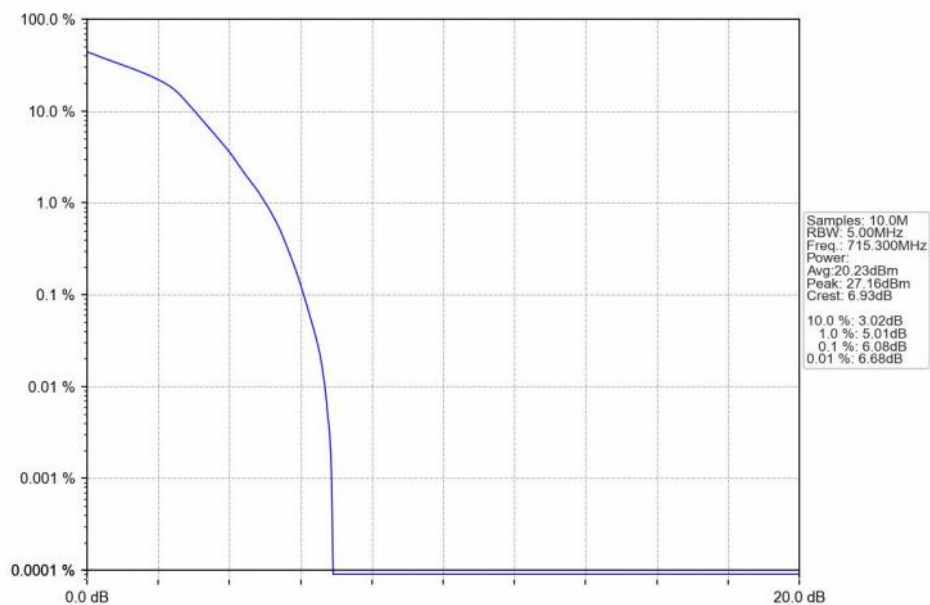
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



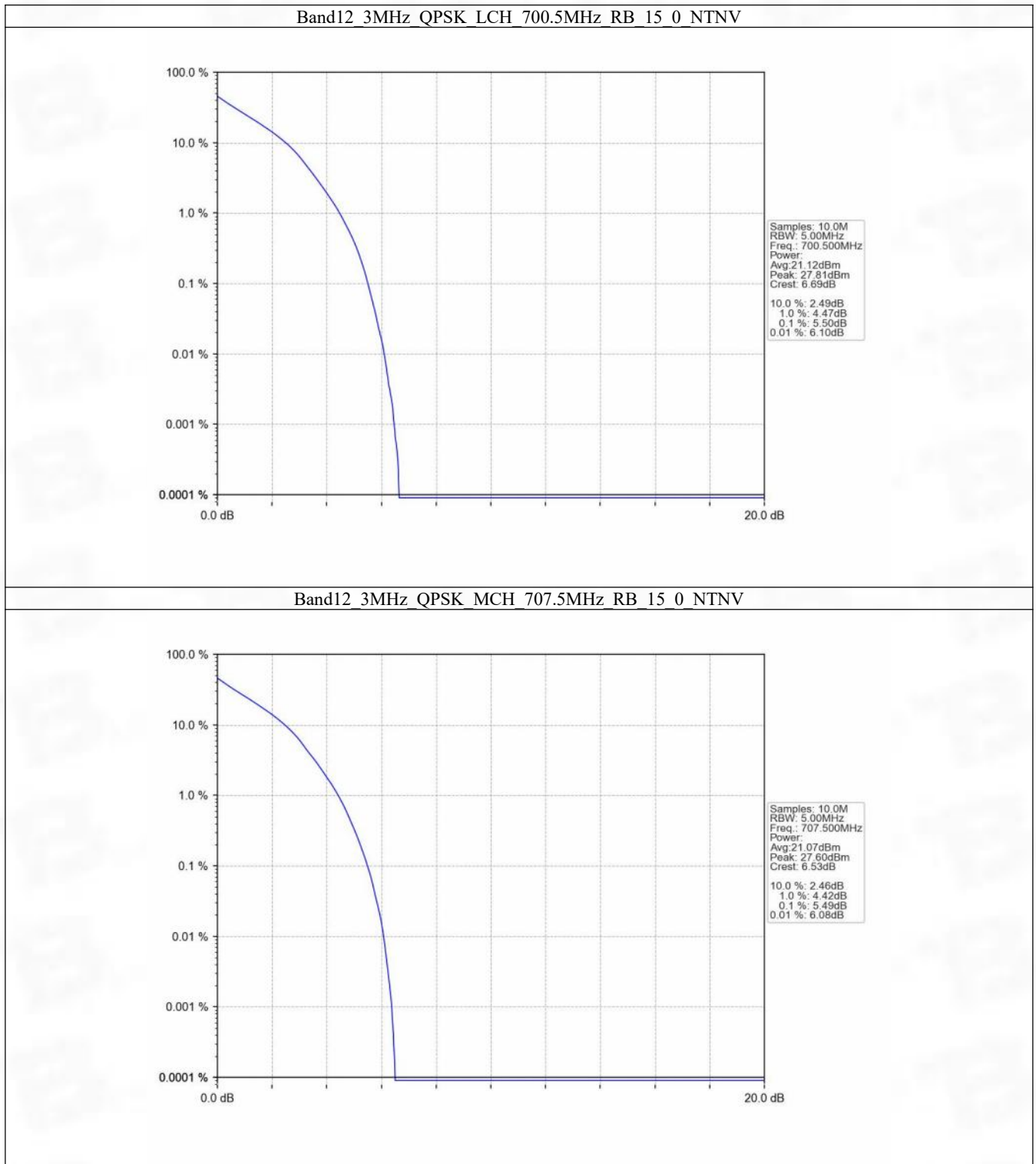
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



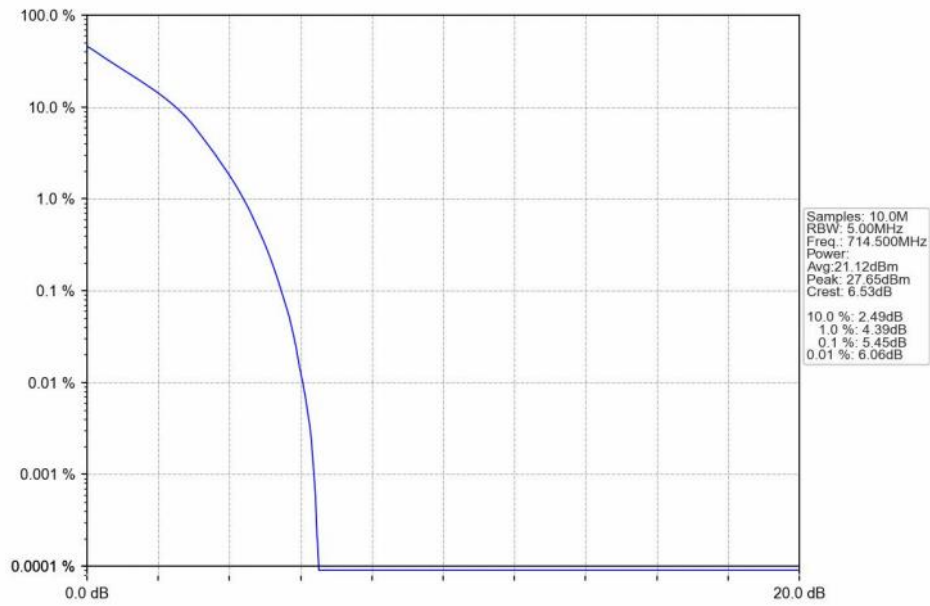
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



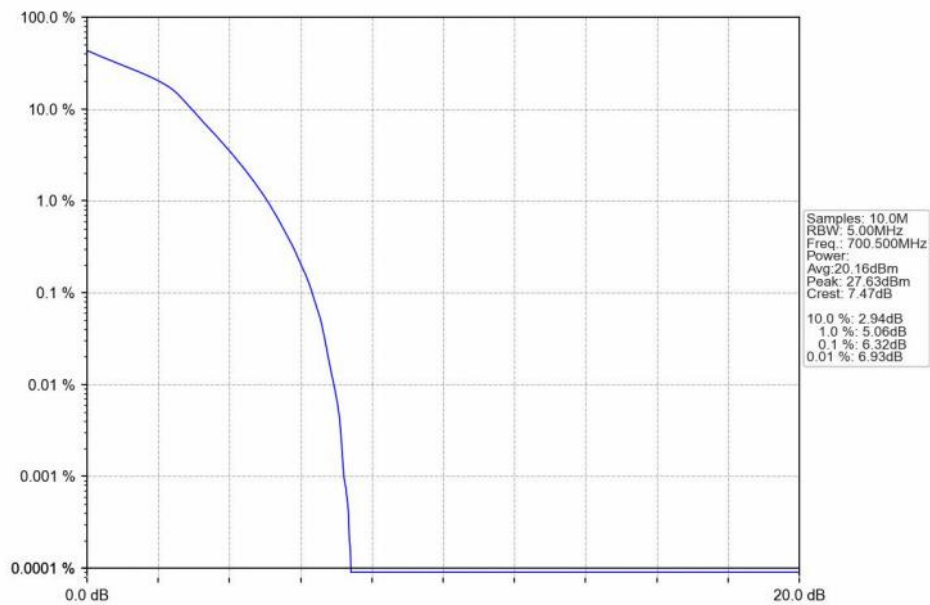
5.2.2 B12_3MHz



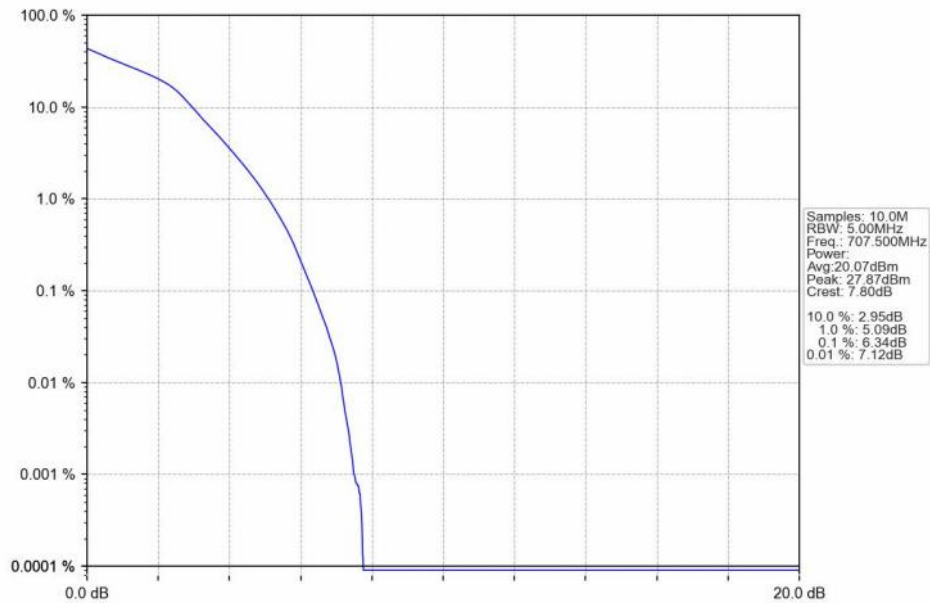
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



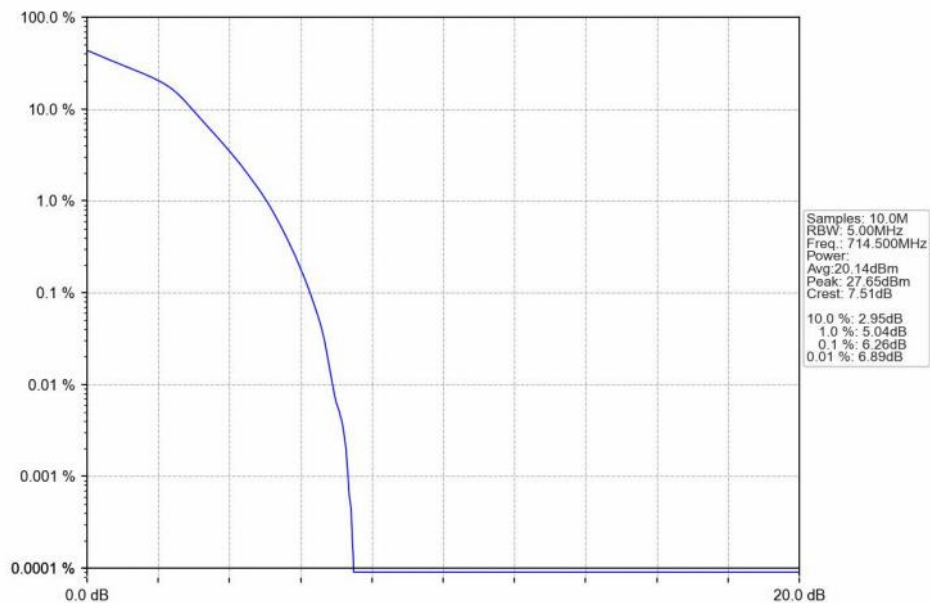
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



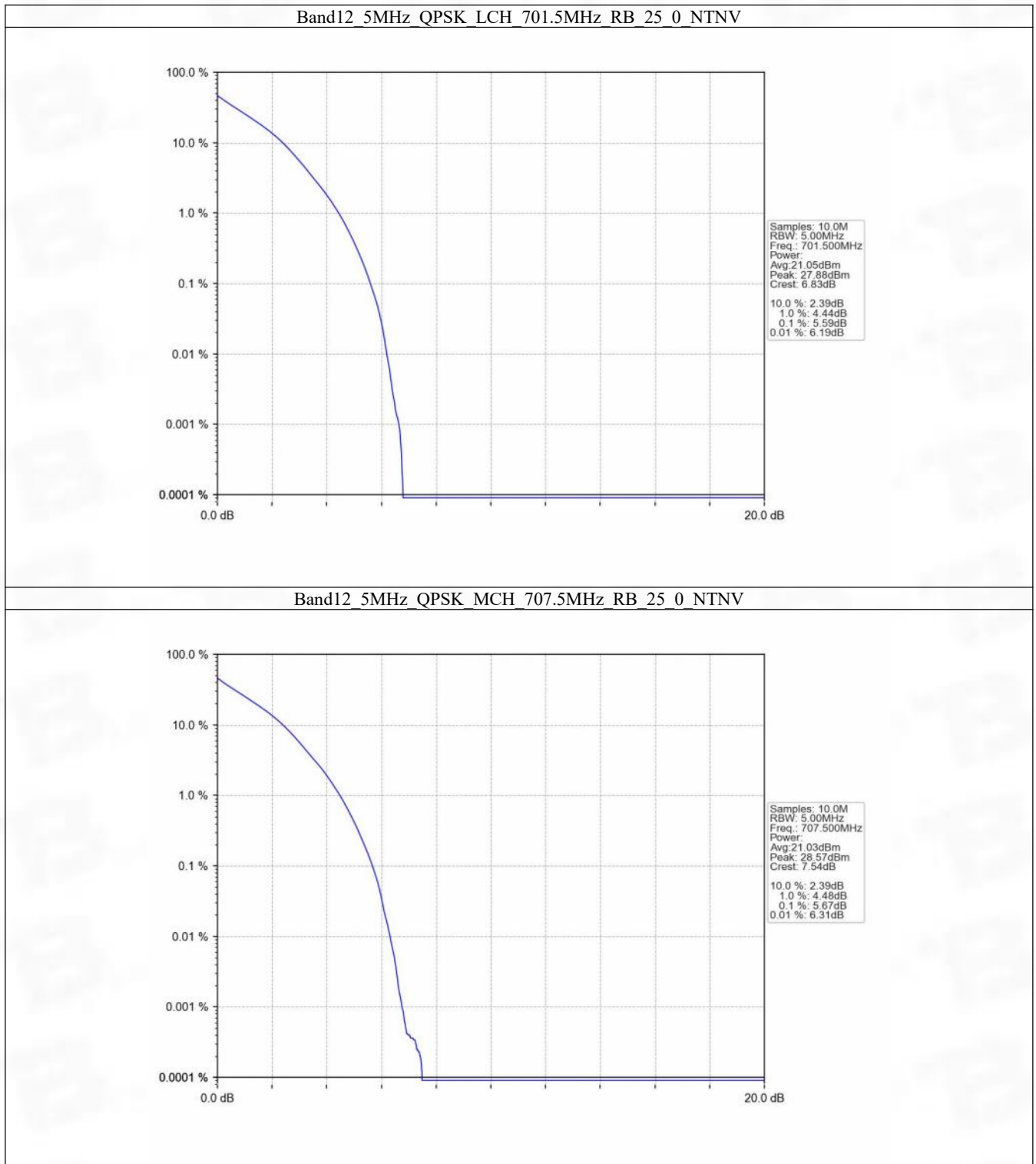
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



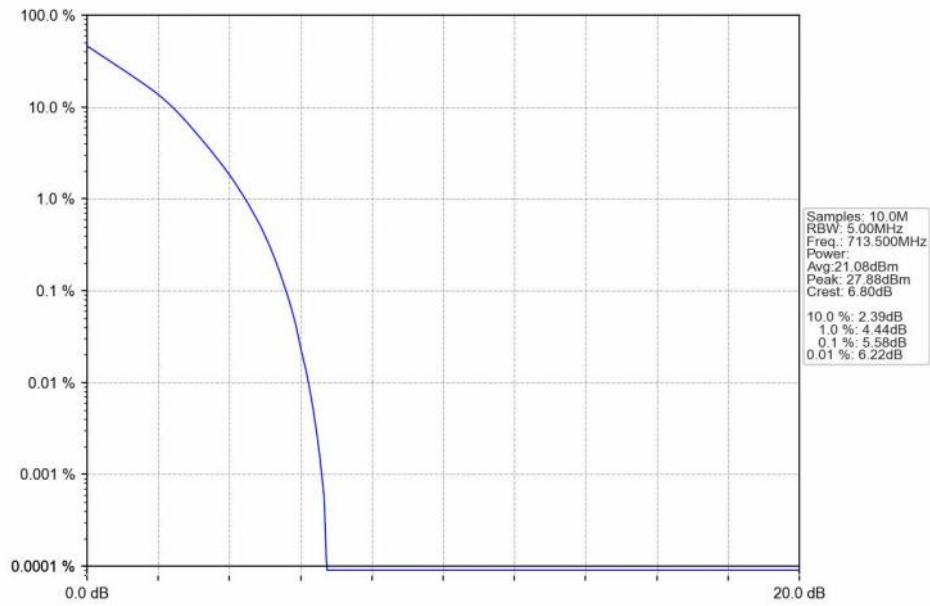
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



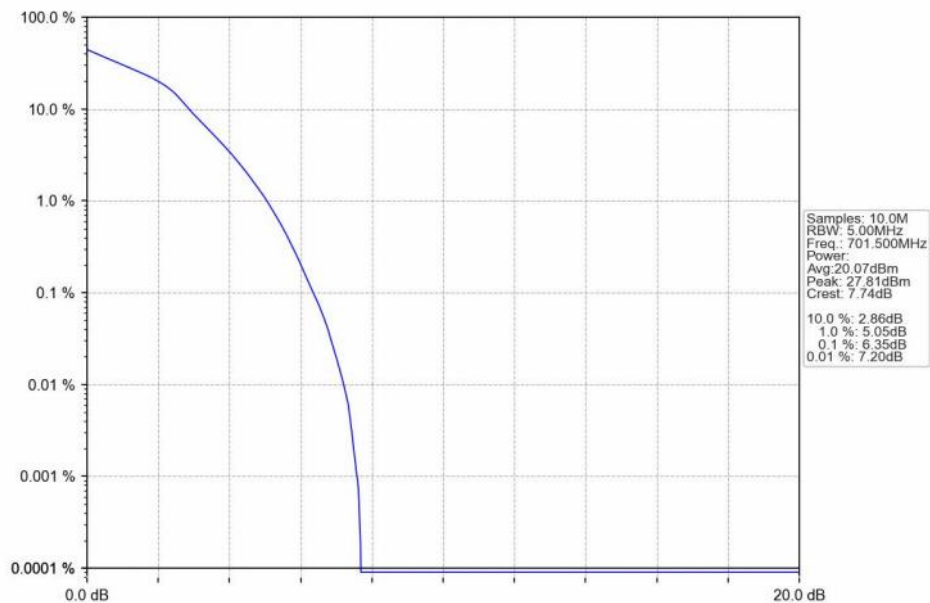
5.2.3 B12_5MHz



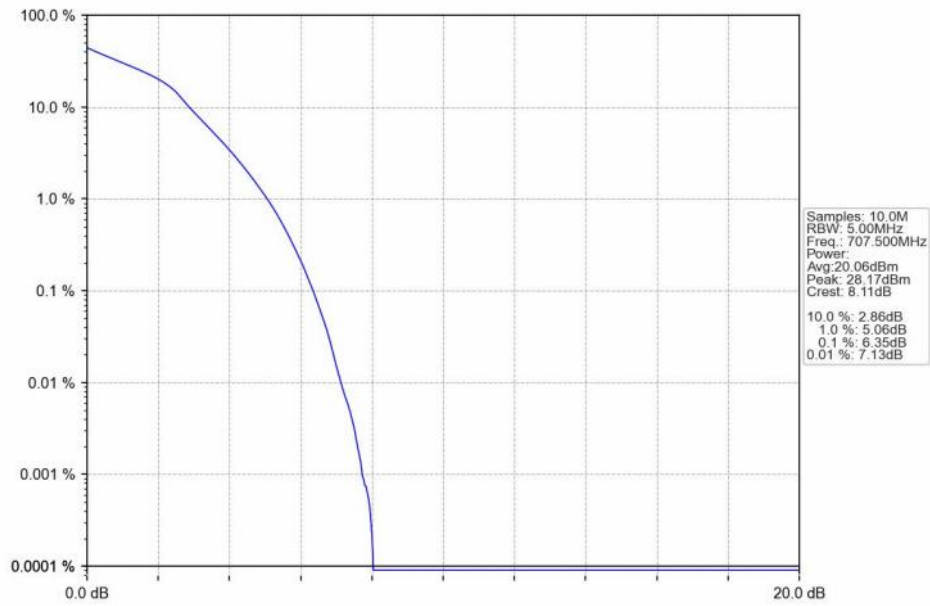
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



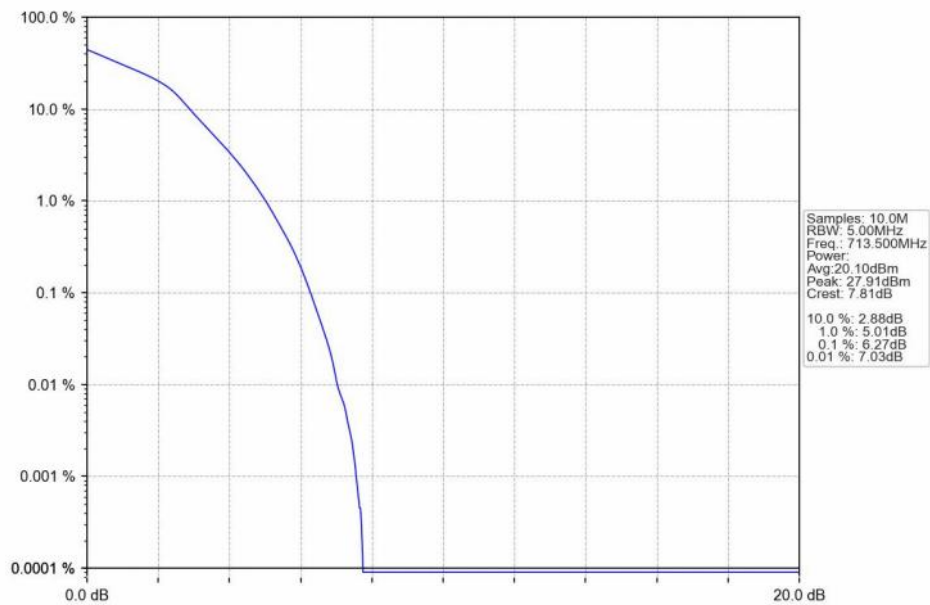
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTV



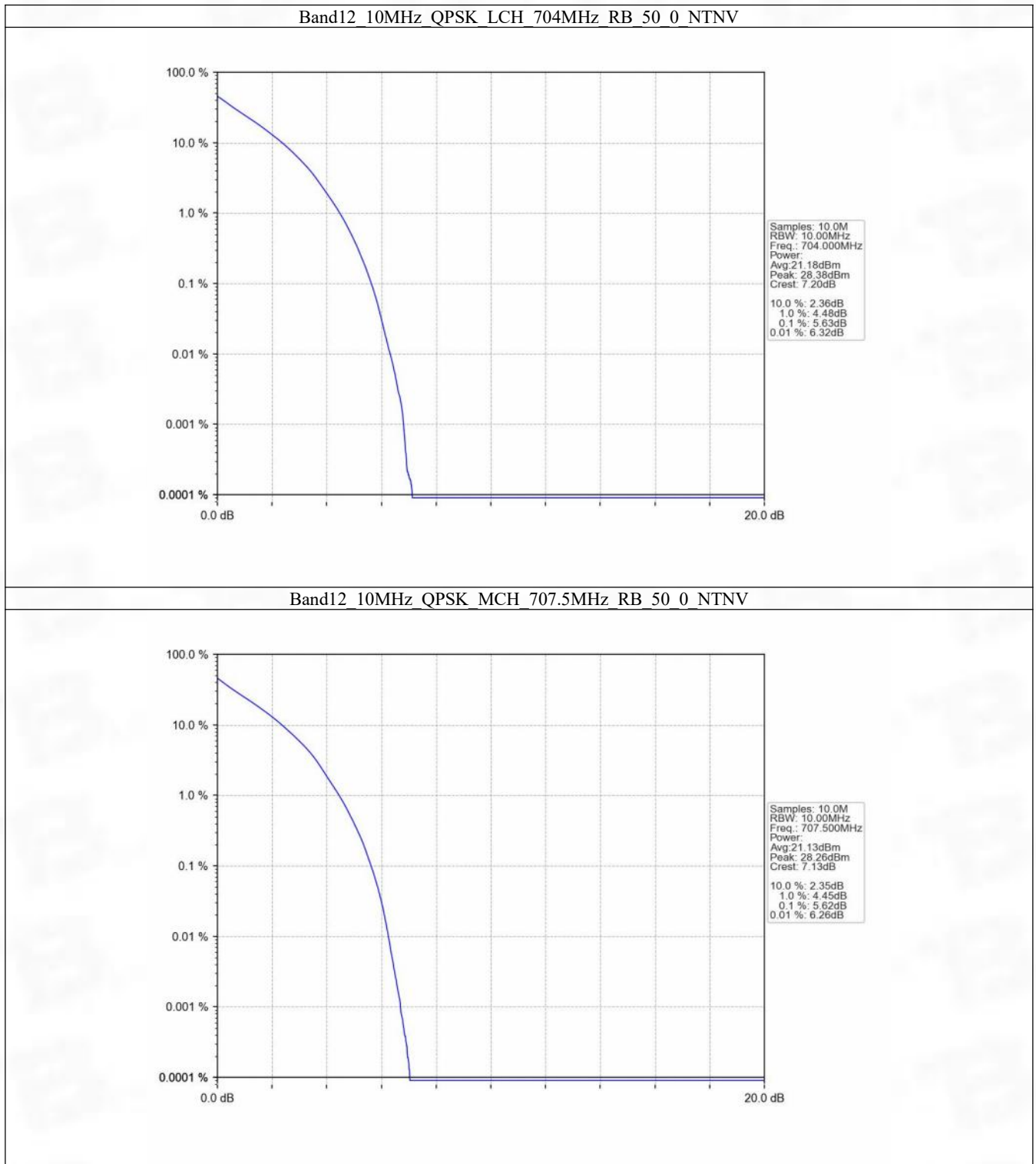
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



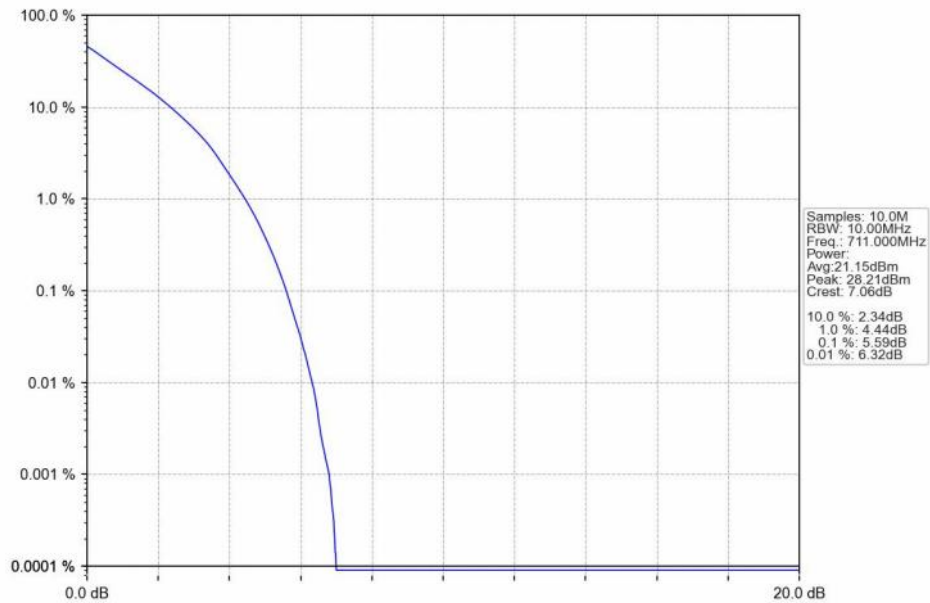
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



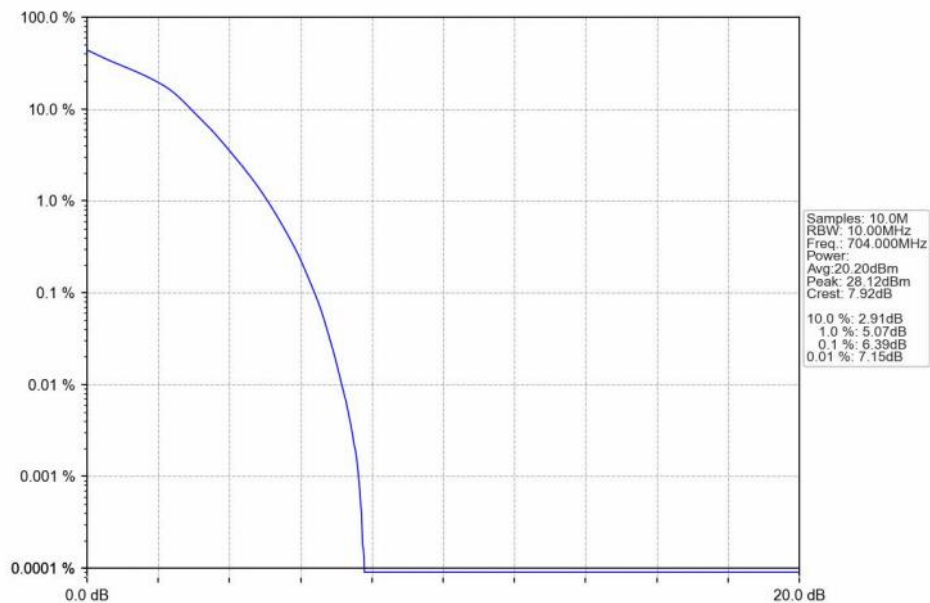
5.2.4 B12_10MHz



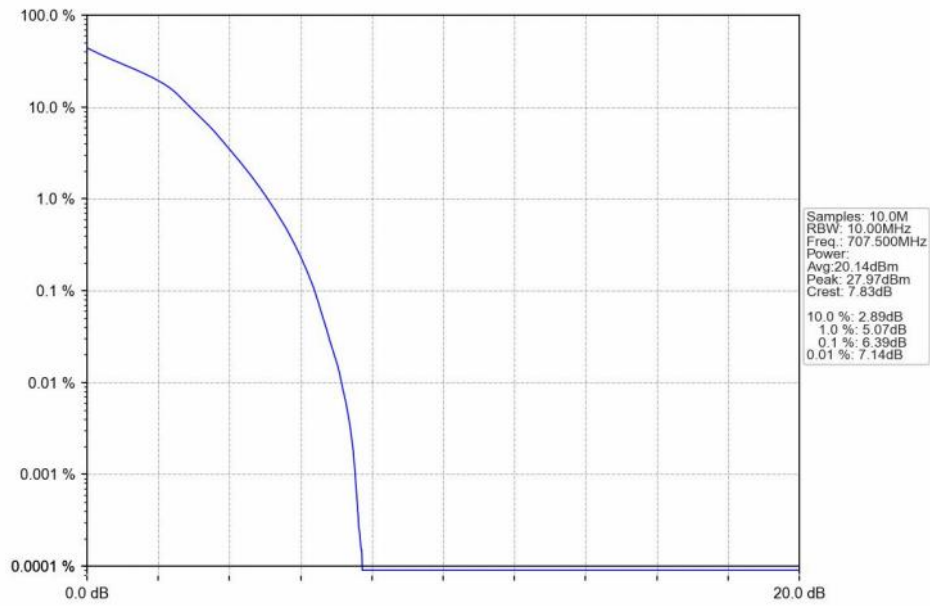
Band12 10MHz QPSK HCH 711MHz RB 50 0 NTNV



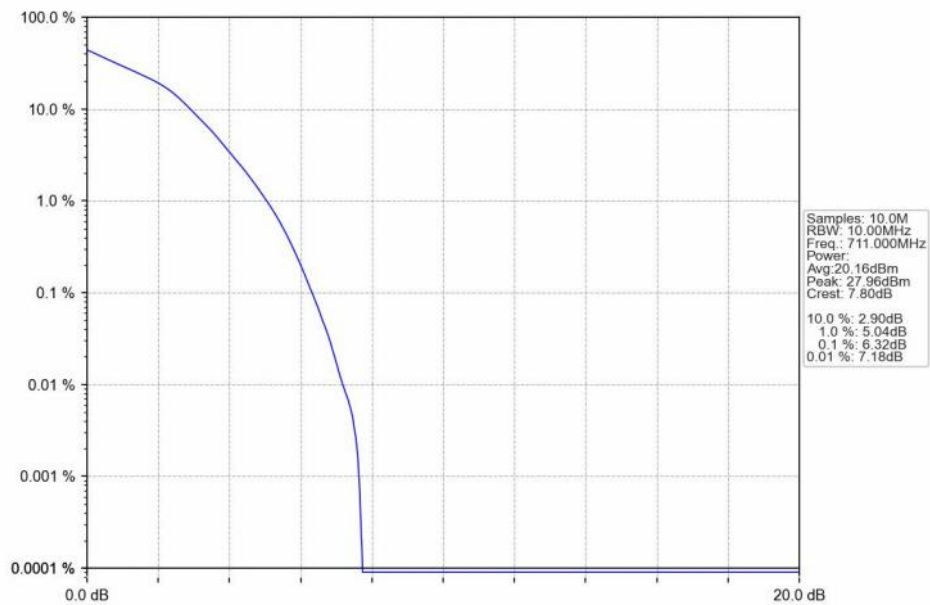
Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTNV



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

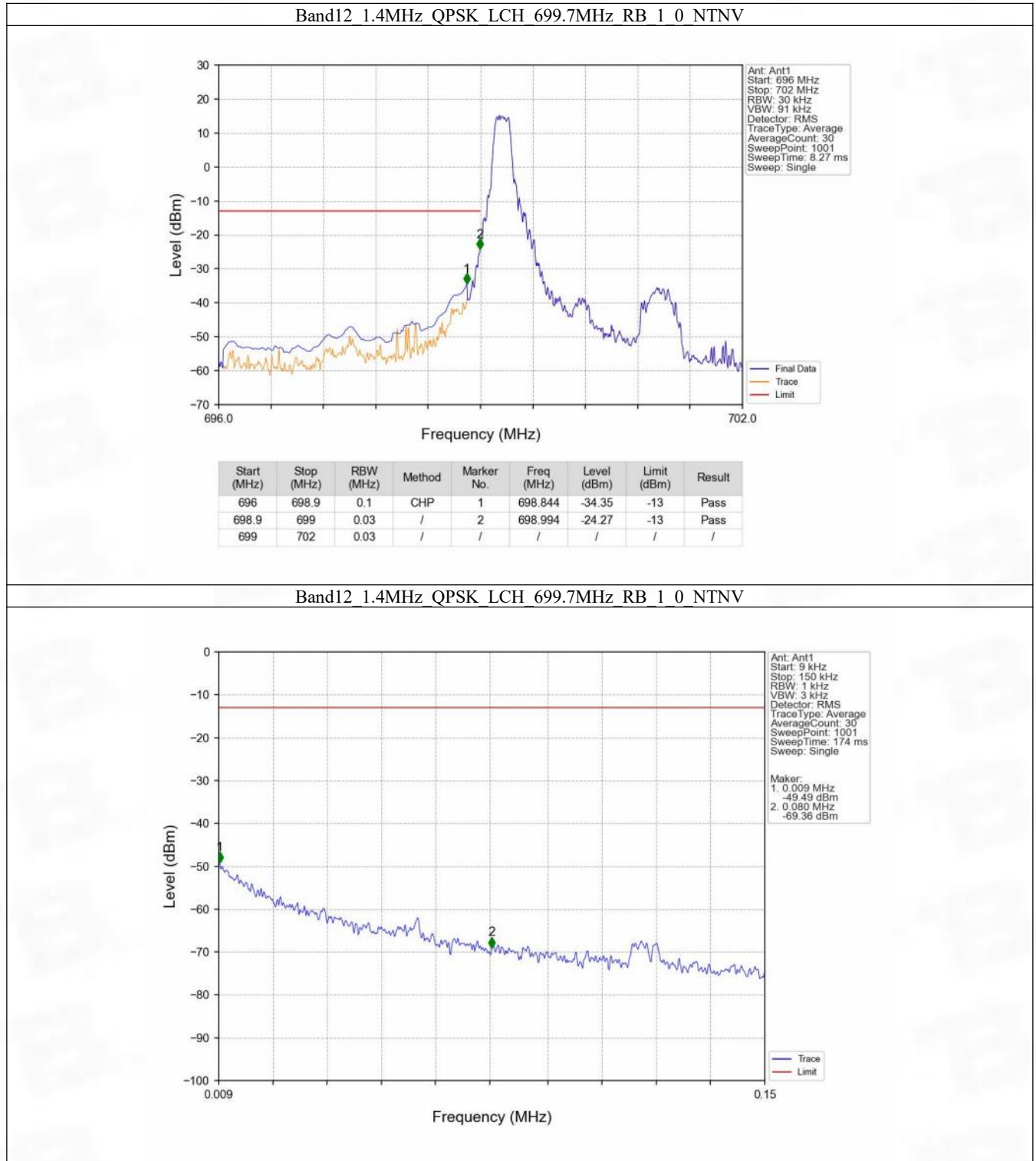
		25	0	Refer To Test Graph	Pass
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6.1.4 B12_10MHz

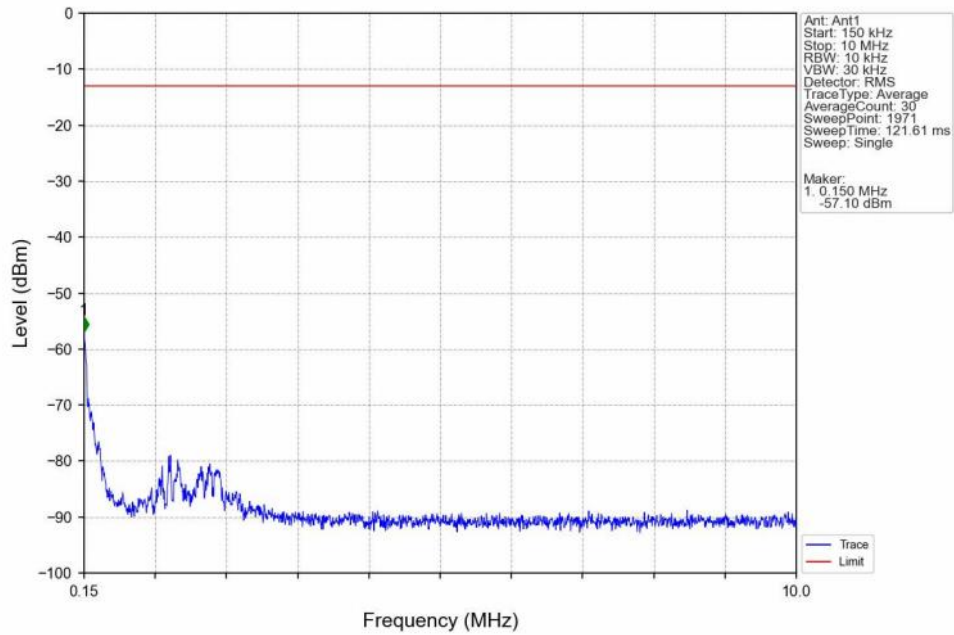
Band: 12 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	704	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
	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

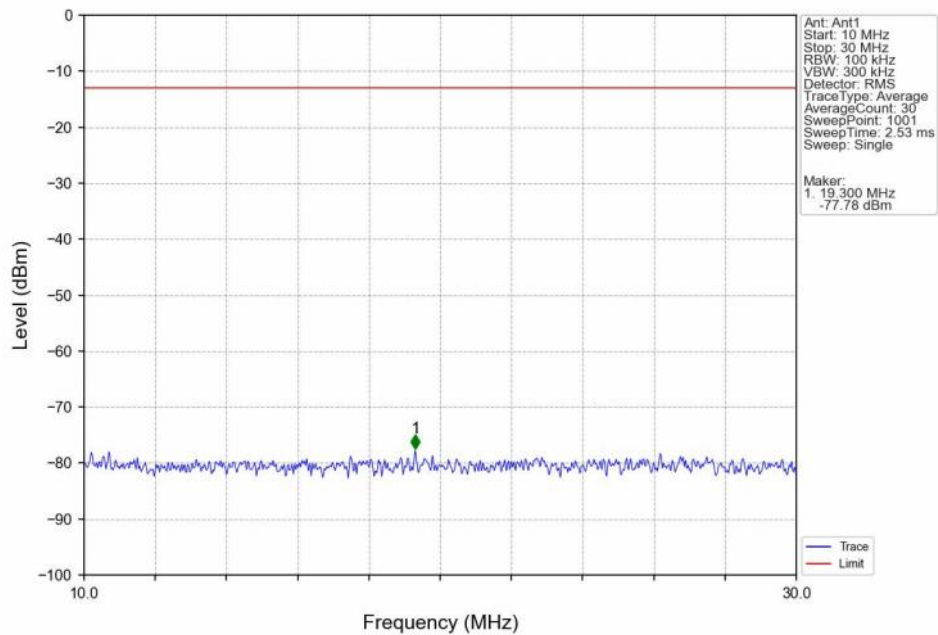
6.2.1 B12_1.4MHz



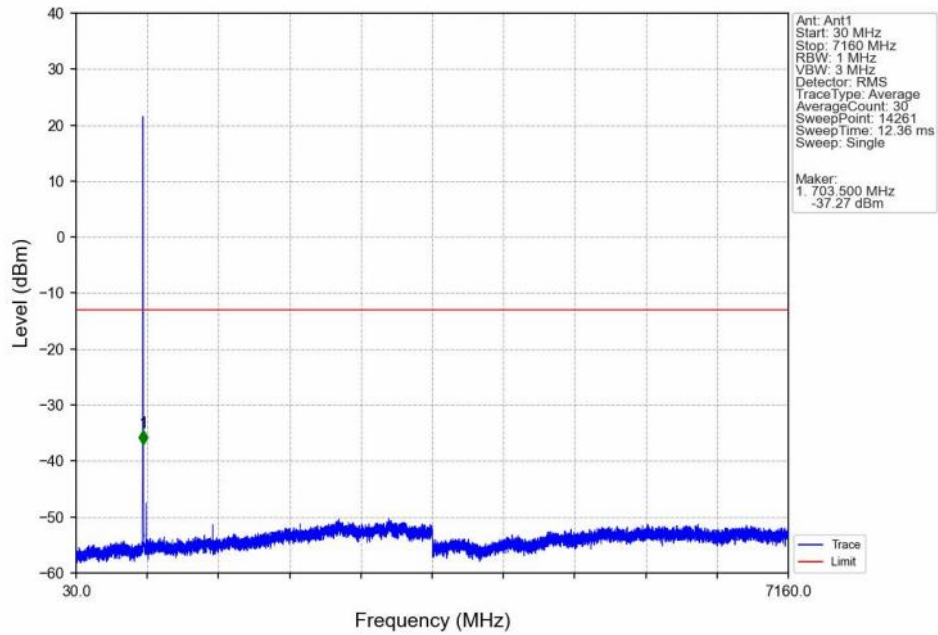
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



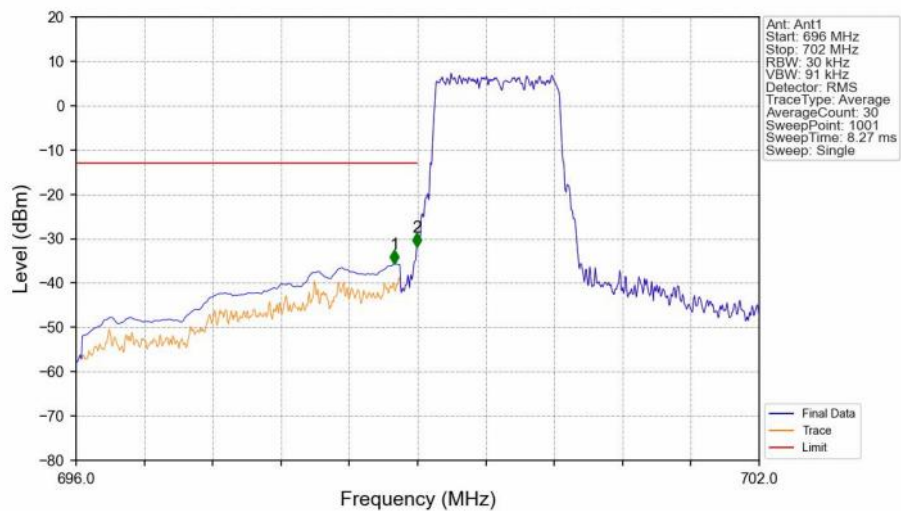
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

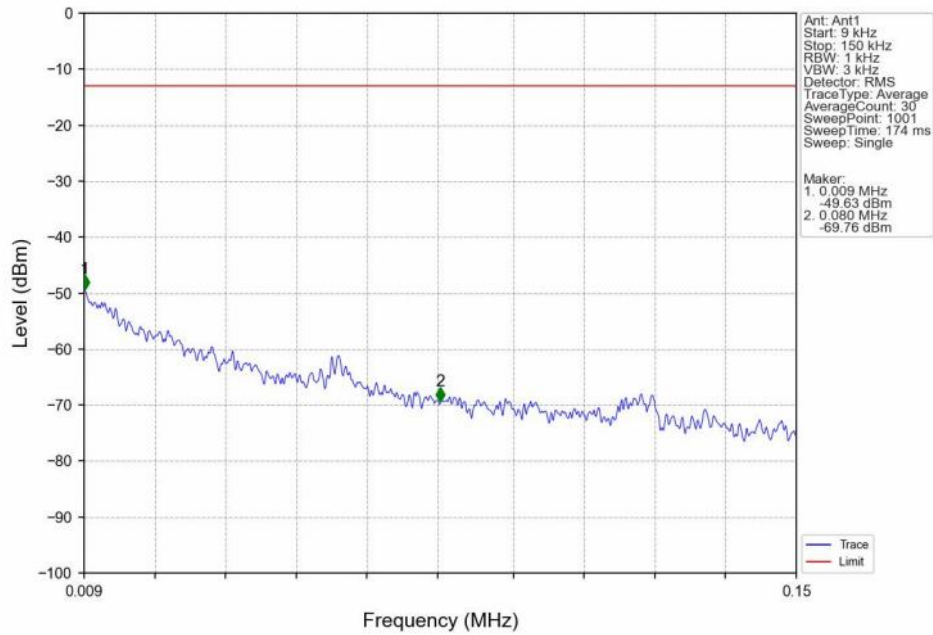


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

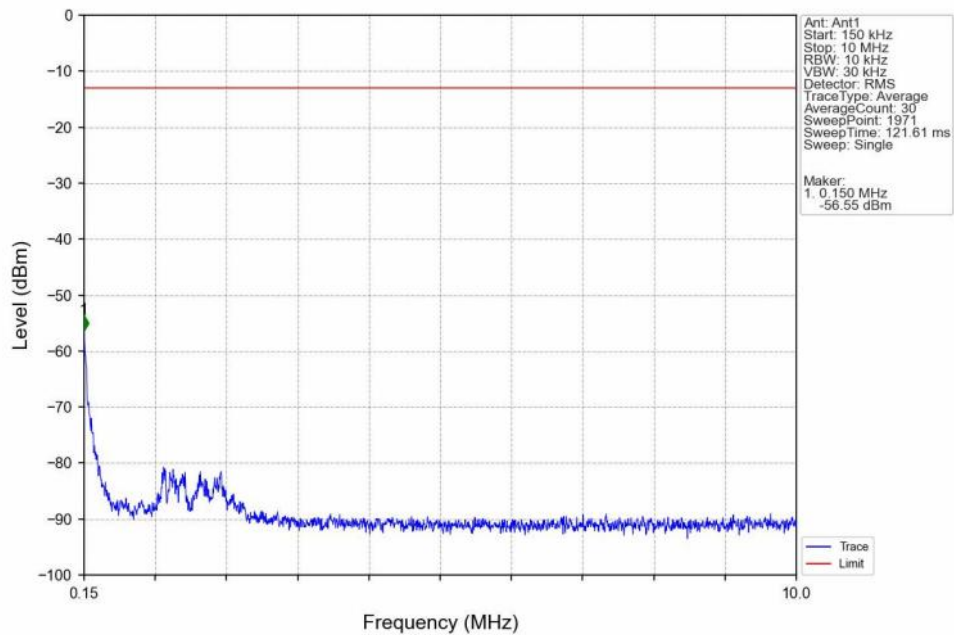


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.796	-35.65	-13	Pass
698.9	699	0.03	/	2	698.994	-31.83	-13	Pass
699	702	0.03	/	/	/	/	/	/

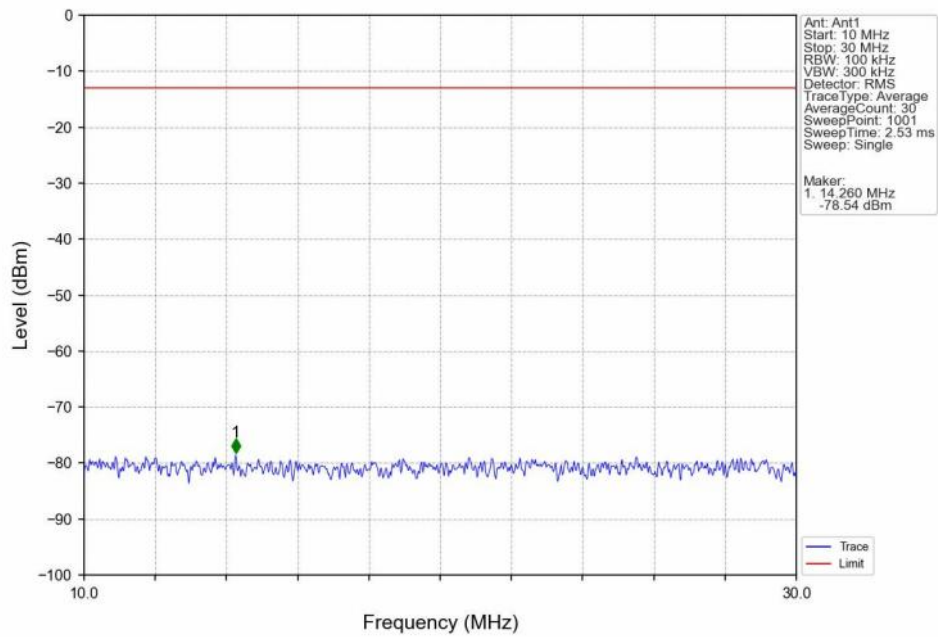
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



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

