

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	22.57	-2.88	17.54	<=34.77	Pass
			2	22.60	-2.88	17.57	<=34.77	Pass
			5	22.60	-2.88	17.57	<=34.77	Pass
		3	0	22.59	-2.88	17.56	<=34.77	Pass
			2	22.57	-2.88	17.54	<=34.77	Pass
			3	22.59	-2.88	17.56	<=34.77	Pass
		6	0	21.99	-2.88	16.96	<=34.77	Pass
	707.5	1	0	22.41	-2.88	17.38	<=34.77	Pass
			2	22.58	-2.88	17.55	<=34.77	Pass
			5	22.57	-2.88	17.54	<=34.77	Pass
		3	0	22.57	-2.88	17.54	<=34.77	Pass
			2	22.58	-2.88	17.55	<=34.77	Pass
			3	22.59	-2.88	17.56	<=34.77	Pass
		6	0	22.15	-2.88	17.12	<=34.77	Pass
	715.3	1	0	22.30	-2.88	17.27	<=34.77	Pass
			2	22.49	-2.88	17.46	<=34.77	Pass
			5	22.40	-2.88	17.37	<=34.77	Pass
		3	0	22.49	-2.88	17.46	<=34.77	Pass
			2	22.60	-2.88	17.57	<=34.77	Pass
			3	22.55	-2.88	17.52	<=34.77	Pass
		6	0	21.87	-2.88	16.84	<=34.77	Pass
16QAM	699.7	1	0	21.55	-2.88	16.52	<=34.77	Pass
			2	21.62	-2.88	16.59	<=34.77	Pass
			5	21.56	-2.88	16.53	<=34.77	Pass
		3	0	21.91	-2.88	16.88	<=34.77	Pass
			2	21.84	-2.88	16.81	<=34.77	Pass
			3	21.81	-2.88	16.78	<=34.77	Pass
		6	0	21.41	-2.88	16.38	<=34.77	Pass
	707.5	1	0	22.17	-2.88	17.14	<=34.77	Pass
			2	22.19	-2.88	17.16	<=34.77	Pass
			5	22.15	-2.88	17.12	<=34.77	Pass
		3	0	22.05	-2.88	17.02	<=34.77	Pass
			2	22.10	-2.88	17.07	<=34.77	Pass
			3	22.12	-2.88	17.09	<=34.77	Pass
		6	0	21.23	-2.88	16.20	<=34.77	Pass
	715.3	1	0	22.12	-2.88	17.09	<=34.77	Pass
			2	22.12	-2.88	17.09	<=34.77	Pass
			5	22.14	-2.88	17.11	<=34.77	Pass
		3	0	21.91	-2.88	16.88	<=34.77	Pass
			2	21.91	-2.88	16.88	<=34.77	Pass
			3	21.91	-2.88	16.88	<=34.77	Pass
		6	0	21.34	-2.88	16.31	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	700.5	1	0	22.55	-2.88	17.52	<=34.77	Pass	
			7	22.52	-2.88	17.49	<=34.77	Pass	
			14	22.68	-2.88	17.65	<=34.77	Pass	
		8	0	22.08	-2.88	17.05	<=34.77	Pass	
			4	22.11	-2.88	17.08	<=34.77	Pass	
			7	22.16	-2.88	17.13	<=34.77	Pass	
		15	0	22.05	-2.88	17.02	<=34.77	Pass	
		707.5	1	0	22.44	-2.88	17.41	<=34.77	Pass
				7	22.52	-2.88	17.49	<=34.77	Pass
	14			22.56	-2.88	17.53	<=34.77	Pass	
	8		0	22.05	-2.88	17.02	<=34.77	Pass	
			4	22.01	-2.88	16.98	<=34.77	Pass	
			7	22.05	-2.88	17.02	<=34.77	Pass	
	714.5	15	0	22.16	-2.88	17.13	<=34.77	Pass	
			1	0	22.48	-2.88	17.45	<=34.77	Pass
				7	22.42	-2.88	17.39	<=34.77	Pass
		14		22.42	-2.88	17.39	<=34.77	Pass	
		8	0	22.02	-2.88	16.99	<=34.77	Pass	
			4	22.04	-2.88	17.01	<=34.77	Pass	
			7	22.02	-2.88	16.99	<=34.77	Pass	
		15	0	22.01	-2.88	16.98	<=34.77	Pass	
16QAM		700.5	1	0	21.81	-2.88	16.78	<=34.77	Pass
	7			21.78	-2.88	16.75	<=34.77	Pass	
	14			21.89	-2.88	16.86	<=34.77	Pass	
	8		0	21.47	-2.88	16.44	<=34.77	Pass	
			4	21.46	-2.88	16.43	<=34.77	Pass	
			7	21.60	-2.88	16.57	<=34.77	Pass	
	15		0	21.29	-2.88	16.26	<=34.77	Pass	
	707.5		1	0	22.83	-2.88	17.80	<=34.77	Pass
				7	22.87	-2.88	17.84	<=34.77	Pass
		14		22.82	-2.88	17.79	<=34.77	Pass	
		8	0	21.37	-2.88	16.34	<=34.77	Pass	
			4	21.17	-2.88	16.14	<=34.77	Pass	
			7	21.20	-2.88	16.17	<=34.77	Pass	
	15	0	21.15	-2.88	16.12	<=34.77	Pass		
	714.5	1	0	22.33	-2.88	17.30	<=34.77	Pass	
			7	22.27	-2.88	17.24	<=34.77	Pass	
			14	22.24	-2.88	17.21	<=34.77	Pass	
		8	0	21.27	-2.88	16.24	<=34.77	Pass	
			4	21.29	-2.88	16.26	<=34.77	Pass	
			7	21.51	-2.88	16.48	<=34.77	Pass	
		15	0	21.07	-2.88	16.04	<=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	22.59	-2.88	17.56	<=34.77	Pass
			13	22.38	-2.88	17.35	<=34.77	Pass
			24	22.48	-2.88	17.45	<=34.77	Pass
		12	0	22.04	-2.88	17.01	<=34.77	Pass
			6	22.11	-2.88	17.08	<=34.77	Pass
			13	22.05	-2.88	17.02	<=34.77	Pass

16QAM	707.5	1	25	0	22.04	-2.88	17.01	<=34.77	Pass
			1	0	22.58	-2.88	17.55	<=34.77	Pass
				13	22.46	-2.88	17.43	<=34.77	Pass
		12	25	24	22.47	-2.88	17.44	<=34.77	Pass
				0	22.15	-2.88	17.12	<=34.77	Pass
				6	22.02	-2.88	16.99	<=34.77	Pass
				13	22.15	-2.88	17.12	<=34.77	Pass
		25	1	0	22.10	-2.88	17.07	<=34.77	Pass
				0	22.46	-2.88	17.43	<=34.77	Pass
				13	22.47	-2.88	17.44	<=34.77	Pass
	713.5	1	25	24	22.49	-2.88	17.46	<=34.77	Pass
				0	22.00	-2.88	16.97	<=34.77	Pass
				6	22.07	-2.88	17.04	<=34.77	Pass
		12	25	13	22.08	-2.88	17.05	<=34.77	Pass
				0	21.94	-2.88	16.91	<=34.77	Pass
				0	22.13	-2.88	17.10	<=34.77	Pass
		1	25	13	22.17	-2.88	17.14	<=34.77	Pass
				24	22.18	-2.88	17.15	<=34.77	Pass
				0	21.30	-2.88	16.27	<=34.77	Pass
16QAM	701.5	1	25	6	21.36	-2.88	16.33	<=34.77	Pass
				13	21.34	-2.88	16.31	<=34.77	Pass
				0	21.43	-2.88	16.40	<=34.77	Pass
		12	25	0	22.06	-2.88	17.03	<=34.77	Pass
				13	21.92	-2.88	16.89	<=34.77	Pass
				24	21.94	-2.88	16.91	<=34.77	Pass
		25	1	0	21.29	-2.88	16.26	<=34.77	Pass
				6	21.20	-2.88	16.17	<=34.77	Pass
				13	21.14	-2.88	16.11	<=34.77	Pass
	707.5	1	25	0	21.18	-2.88	16.15	<=34.77	Pass
				0	21.06	-2.88	16.03	<=34.77	Pass
				13	21.08	-2.88	16.05	<=34.77	Pass
		12	25	24	21.09	-2.88	16.06	<=34.77	Pass
				0	21.02	-2.88	15.99	<=34.77	Pass
				6	21.00	-2.88	15.97	<=34.77	Pass
		25	1	13	21.02	-2.88	15.99	<=34.77	Pass
				0	21.14	-2.88	16.11	<=34.77	Pass
				0	21.14	-2.88	16.11	<=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	22.39	-2.88	17.36	<=34.77	Pass
			25	22.43	-2.88	17.40	<=34.77	Pass
			49	22.38	-2.88	17.35	<=34.77	Pass
		25	0	22.03	-2.88	17.00	<=34.77	Pass
			13	22.06	-2.88	17.03	<=34.77	Pass
			25	21.98	-2.88	16.95	<=34.77	Pass
		50	0	22.05	-2.88	17.02	<=34.77	Pass
			0	22.62	-2.88	17.59	<=34.77	Pass
			25	22.62	-2.88	17.59	<=34.77	Pass
	707.5	1	49	22.61	-2.88	17.58	<=34.77	Pass
			0	22.03	-2.88	17.00	<=34.77	Pass
			13	21.96	-2.88	16.93	<=34.77	Pass
		25	25	22.01	-2.88	16.98	<=34.77	Pass
			0	22.09	-2.88	17.06	<=34.77	Pass
			0	22.40	-2.88	17.37	<=34.77	Pass
		50	1	0	22.40	-2.88	17.37	Pass

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16QAM		25	25	22.46	-2.88	17.43	<=34.77	Pass
			49	22.54	-2.88	17.51	<=34.77	Pass
			0	21.98	-2.88	16.95	<=34.77	Pass
			13	21.95	-2.88	16.92	<=34.77	Pass
			25	22.02	-2.88	16.99	<=34.77	Pass
	704	1	0	22.01	-2.88	16.98	<=34.77	Pass
			25	22.11	-2.88	17.08	<=34.77	Pass
			49	22.08	-2.88	17.05	<=34.77	Pass
		25	0	22.11	-2.88	17.08	<=34.77	Pass
			13	21.14	-2.88	16.11	<=34.77	Pass
			25	21.08	-2.88	16.05	<=34.77	Pass
	707.5	1	25	21.49	-2.88	16.46	<=34.77	Pass
			0	21.21	-2.88	16.18	<=34.77	Pass
			25	21.55	-2.88	16.52	<=34.77	Pass
		25	0	21.55	-2.88	16.52	<=34.77	Pass
			13	21.53	-2.88	16.50	<=34.77	Pass
	711	1	25	21.56	-2.88	16.53	<=34.77	Pass
			13	21.14	-2.88	16.11	<=34.77	Pass
			25	21.18	-2.88	16.15	<=34.77	Pass
		25	0	21.05	-2.88	16.02	<=34.77	Pass
			13	21.11	-2.88	16.08	<=34.77	Pass
			25	22.11	-2.88	17.08	<=34.77	Pass
	711	1	25	22.10	-2.88	17.07	<=34.77	Pass
			49	22.18	-2.88	17.15	<=34.77	Pass
			0	21.11	-2.88	16.08	<=34.77	Pass
		25	13	21.07	-2.88	16.04	<=34.77	Pass
			25	21.08	-2.88	16.05	<=34.77	Pass
			0	21.10	-2.88	16.07	<=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	-23.131	-0.0331	-2.5 to 2.5	Pass
					3.85	-24.476	-0.0350	-2.5 to 2.5	Pass
					4.43	-22.388	-0.0320	-2.5 to 2.5	Pass
				-30	3.85	-18.983	-0.0271	-2.5 to 2.5	Pass
				-20	3.85	-15.149	-0.0217	-2.5 to 2.5	Pass
				-10	3.85	-10.428	-0.0149	-2.5 to 2.5	Pass
				0	3.85	-5.736	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-1.287	-0.0018	-2.5 to 2.5	Pass
				30	3.85	0.515	0.0007	-2.5 to 2.5	Pass
				40	3.85	2.818	0.0040	-2.5 to 2.5	Pass
				50	3.85	4.964	0.0071	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-4.992	-0.0071	-2.5 to 2.5	Pass
					3.85	2.489	0.0035	-2.5 to 2.5	Pass
					4.43	19.684	0.0278	-2.5 to 2.5	Pass
				-30	3.85	42.214	0.0597	-2.5 to 2.5	Pass
				-20	3.85	-7.067	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-5.393	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-6.752	-0.0095	-2.5 to 2.5	Pass

	715.3	6	0	10	3.85	-4.292	-0.0061	-2.5 to 2.5	Pass
				30	3.85	-2.689	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-5.107	-0.0072	-2.5 to 2.5	Pass
				50	3.85	-6.437	-0.0091	-2.5 to 2.5	Pass
				20	3.27	-12.417	-0.0174	-2.5 to 2.5	Pass
					3.85	-31.557	-0.0441	-2.5 to 2.5	Pass
					4.43	-31.886	-0.0446	-2.5 to 2.5	Pass
				-30	3.85	-29.469	-0.0412	-2.5 to 2.5	Pass
				-20	3.85	-23.417	-0.0327	-2.5 to 2.5	Pass
				-10	3.85	-16.823	-0.0235	-2.5 to 2.5	Pass
				0	3.85	-7.668	-0.0107	-2.5 to 2.5	Pass
				10	3.85	1.516	0.0021	-2.5 to 2.5	Pass
				30	3.85	6.595	0.0092	-2.5 to 2.5	Pass
				40	3.85	14.620	0.0204	-2.5 to 2.5	Pass
				50	3.85	19.541	0.0273	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	7.782	0.0111	-2.5 to 2.5	Pass
					3.85	4.735	0.0068	-2.5 to 2.5	Pass
					4.43	0.715	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-1.116	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-1.259	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-1.631	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-4.420	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-3.319	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-0.958	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-3.548	-0.0051	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-5.293	-0.0075	-2.5 to 2.5	Pass
					3.85	-15.006	-0.0212	-2.5 to 2.5	Pass
					4.43	-22.860	-0.0323	-2.5 to 2.5	Pass
				-30	3.85	-29.483	-0.0417	-2.5 to 2.5	Pass
				-20	3.85	-33.803	-0.0478	-2.5 to 2.5	Pass
				-10	3.85	-37.866	-0.0535	-2.5 to 2.5	Pass
				0	3.85	-39.310	-0.0556	-2.5 to 2.5	Pass
				10	3.85	-42.601	-0.0602	-2.5 to 2.5	Pass
				30	3.85	-43.445	-0.0614	-2.5 to 2.5	Pass
				40	3.85	-45.104	-0.0638	-2.5 to 2.5	Pass
				50	3.85	8.698	0.0123	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	26.007	0.0364	-2.5 to 2.5	Pass
					3.85	18.983	0.0265	-2.5 to 2.5	Pass
					4.43	20.370	0.0285	-2.5 to 2.5	Pass
				-30	3.85	19.455	0.0272	-2.5 to 2.5	Pass
				-20	3.85	19.226	0.0269	-2.5 to 2.5	Pass
				-10	3.85	20.542	0.0287	-2.5 to 2.5	Pass
				0	3.85	22.302	0.0312	-2.5 to 2.5	Pass
				10	3.85	20.571	0.0288	-2.5 to 2.5	Pass
				30	3.85	23.346	0.0326	-2.5 to 2.5	Pass
				40	3.85	27.394	0.0383	-2.5 to 2.5	Pass
				50	3.85	27.881	0.0390	-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	-5.093	-0.0073	-2.5 to 2.5	Pass
					3.85	-11.587	-0.0165	-2.5 to 2.5	Pass
					4.43	-9.570	-0.0137	-2.5 to 2.5	Pass
				-30	3.85	-4.849	-0.0069	-2.5 to 2.5	Pass

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				-20	3.85	2.418	0.0035	-2.5 to 2.5	Pass
				-10	3.85	8.211	0.0117	-2.5 to 2.5	Pass
				0	3.85	14.491	0.0207	-2.5 to 2.5	Pass
				10	3.85	20.642	0.0295	-2.5 to 2.5	Pass
				30	3.85	27.394	0.0391	-2.5 to 2.5	Pass
				40	3.85	31.943	0.0456	-2.5 to 2.5	Pass
				50	3.85	37.222	0.0531	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-13.089	-0.0185	-2.5 to 2.5	Pass
					3.85	2.732	0.0039	-2.5 to 2.5	Pass
					4.43	25.091	0.0355	-2.5 to 2.5	Pass
				-30	3.85	3.419	0.0048	-2.5 to 2.5	Pass
				-20	3.85	22.674	0.0320	-2.5 to 2.5	Pass
				-10	3.85	41.585	0.0588	-2.5 to 2.5	Pass
				0	3.85	3.676	0.0052	-2.5 to 2.5	Pass
				10	3.85	18.969	0.0268	-2.5 to 2.5	Pass
				30	3.85	30.370	0.0429	-2.5 to 2.5	Pass
				40	3.85	40.755	0.0576	-2.5 to 2.5	Pass
				50	3.85	6.738	0.0095	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-21.758	-0.0305	-2.5 to 2.5	Pass
					3.85	-42.372	-0.0593	-2.5 to 2.5	Pass
					4.43	-9.842	-0.0138	-2.5 to 2.5	Pass
				-30	3.85	-24.791	-0.0347	-2.5 to 2.5	Pass
				-20	3.85	-37.422	-0.0524	-2.5 to 2.5	Pass
				-10	3.85	-46.778	-0.0655	-2.5 to 2.5	Pass
				0	3.85	-8.125	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-13.161	-0.0184	-2.5 to 2.5	Pass
				30	3.85	-18.539	-0.0259	-2.5 to 2.5	Pass
				40	3.85	-24.176	-0.0338	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	43.745	0.0624	-2.5 to 2.5	Pass
					3.85	38.824	0.0554	-2.5 to 2.5	Pass
					4.43	36.993	0.0528	-2.5 to 2.5	Pass
				-30	3.85	34.046	0.0486	-2.5 to 2.5	Pass
				-20	3.85	34.232	0.0489	-2.5 to 2.5	Pass
				-10	3.85	33.402	0.0477	-2.5 to 2.5	Pass
				0	3.85	33.474	0.0478	-2.5 to 2.5	Pass
				10	3.85	33.031	0.0472	-2.5 to 2.5	Pass
				30	3.85	35.119	0.0501	-2.5 to 2.5	Pass
				40	3.85	32.229	0.0460	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	16.923	0.0239	-2.5 to 2.5	Pass
					3.85	6.537	0.0092	-2.5 to 2.5	Pass
					4.43	1.245	0.0018	-2.5 to 2.5	Pass
				-30	3.85	-4.992	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-7.825	-0.0111	-2.5 to 2.5	Pass
				-10	3.85	-7.310	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-6.366	-0.0090	-2.5 to 2.5	Pass
				10	3.85	-6.137	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-5.436	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-3.505	-0.0050	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-27.566	-0.0386	-2.5 to 2.5	Pass
					3.85	-35.462	-0.0496	-2.5 to 2.5	Pass
					4.43	-41.299	-0.0578	-2.5 to 2.5	Pass
				-30	3.85	-46.663	-0.0653	-2.5 to 2.5	Pass
				-20	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.545	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-1.745	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-2.804	-0.0039	-2.5 to 2.5	Pass

				30	3.85	-4.377	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-3.905	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-5.522	-0.0077	-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	-6.166	-0.0088	-2.5 to 2.5	Pass
					3.85	-22.974	-0.0327	-2.5 to 2.5	Pass
					4.43	-24.176	-0.0345	-2.5 to 2.5	Pass
				-30	3.85	-19.240	-0.0274	-2.5 to 2.5	Pass
				-20	3.85	-9.313	-0.0133	-2.5 to 2.5	Pass
				-10	3.85	-2.375	-0.0034	-2.5 to 2.5	Pass
				0	3.85	7.610	0.0108	-2.5 to 2.5	Pass
				10	3.85	17.281	0.0246	-2.5 to 2.5	Pass
				30	3.85	26.965	0.0384	-2.5 to 2.5	Pass
				40	3.85	35.119	0.0501	-2.5 to 2.5	Pass
				50	3.85	40.655	0.0580	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-7.453	-0.0105	-2.5 to 2.5	Pass
					3.85	10.185	0.0144	-2.5 to 2.5	Pass
					4.43	37.193	0.0526	-2.5 to 2.5	Pass
				-30	3.85	5.550	0.0078	-2.5 to 2.5	Pass
				-20	3.85	23.360	0.0330	-2.5 to 2.5	Pass
				-10	3.85	45.118	0.0638	-2.5 to 2.5	Pass
				0	3.85	15.821	0.0224	-2.5 to 2.5	Pass
				10	3.85	30.084	0.0425	-2.5 to 2.5	Pass
				30	3.85	44.246	0.0625	-2.5 to 2.5	Pass
				40	3.85	6.695	0.0095	-2.5 to 2.5	Pass
				50	3.85	16.994	0.0240	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-21.644	-0.0303	-2.5 to 2.5	Pass
					3.85	-34.590	-0.0485	-2.5 to 2.5	Pass
					4.43	-41.070	-0.0576	-2.5 to 2.5	Pass
				-30	3.85	-47.336	-0.0663	-2.5 to 2.5	Pass
				-20	3.85	-2.017	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-7.052	-0.0099	-2.5 to 2.5	Pass
				0	3.85	-11.158	-0.0156	-2.5 to 2.5	Pass
				10	3.85	-12.016	-0.0168	-2.5 to 2.5	Pass
				30	3.85	-14.906	-0.0209	-2.5 to 2.5	Pass
				40	3.85	-15.192	-0.0213	-2.5 to 2.5	Pass
				50	3.85	-17.781	-0.0249	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	49.281	0.0703	-2.5 to 2.5	Pass
					3.85	45.805	0.0653	-2.5 to 2.5	Pass
					4.43	44.746	0.0638	-2.5 to 2.5	Pass
				-30	3.85	41.971	0.0598	-2.5 to 2.5	Pass
				-20	3.85	43.488	0.0620	-2.5 to 2.5	Pass
				-10	3.85	42.272	0.0603	-2.5 to 2.5	Pass
				0	3.85	40.855	0.0582	-2.5 to 2.5	Pass
				10	3.85	42.915	0.0612	-2.5 to 2.5	Pass
				30	3.85	43.602	0.0622	-2.5 to 2.5	Pass
				40	3.85	48.909	0.0697	-2.5 to 2.5	Pass
				50	3.85	1.917	0.0027	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	27.752	0.0392	-2.5 to 2.5	Pass
					3.85	16.251	0.0230	-2.5 to 2.5	Pass
					4.43	3.734	0.0053	-2.5 to 2.5	Pass
				-30	3.85	-2.689	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-10.314	-0.0146	-2.5 to 2.5	Pass

				-10	3.85	-10.057	-0.0142	-2.5 to 2.5	Pass
				0	3.85	-8.869	-0.0125	-2.5 to 2.5	Pass
				10	3.85	-10.400	-0.0147	-2.5 to 2.5	Pass
				30	3.85	-9.441	-0.0133	-2.5 to 2.5	Pass
				40	3.85	-8.898	-0.0126	-2.5 to 2.5	Pass
				50	3.85	-9.112	-0.0129	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-18.954	-0.0266	-2.5 to 2.5	Pass
					3.85	-32.959	-0.0462	-2.5 to 2.5	Pass
					4.43	-45.490	-0.0638	-2.5 to 2.5	Pass
				-30	3.85	-0.472	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-3.576	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-7.911	-0.0111	-2.5 to 2.5	Pass
				0	3.85	-9.971	-0.0140	-2.5 to 2.5	Pass
				10	3.85	-14.076	-0.0197	-2.5 to 2.5	Pass
				30	3.85	-18.468	-0.0259	-2.5 to 2.5	Pass
				40	3.85	-21.443	-0.0301	-2.5 to 2.5	Pass
				50	3.85	-24.948	-0.0350	-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	-27.866	-0.0396	-2.5 to 2.5	Pass
					3.85	-41.871	-0.0595	-2.5 to 2.5	Pass
					4.43	-20.328	-0.0289	-2.5 to 2.5	Pass
				-30	3.85	-27.924	-0.0397	-2.5 to 2.5	Pass
				-20	3.85	-32.930	-0.0468	-2.5 to 2.5	Pass
				-10	3.85	-34.261	-0.0487	-2.5 to 2.5	Pass
				0	3.85	-33.603	-0.0477	-2.5 to 2.5	Pass
				10	3.85	-28.896	-0.0410	-2.5 to 2.5	Pass
				30	3.85	-28.238	-0.0401	-2.5 to 2.5	Pass
				40	3.85	-26.679	-0.0379	-2.5 to 2.5	Pass
				50	3.85	-25.048	-0.0356	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-10.128	-0.0143	-2.5 to 2.5	Pass
					3.85	9.570	0.0135	-2.5 to 2.5	Pass
					4.43	34.204	0.0483	-2.5 to 2.5	Pass
				-30	3.85	1.473	0.0021	-2.5 to 2.5	Pass
				-20	3.85	14.119	0.0200	-2.5 to 2.5	Pass
				-10	3.85	26.493	0.0374	-2.5 to 2.5	Pass
				0	3.85	34.046	0.0481	-2.5 to 2.5	Pass
				10	3.85	42.186	0.0596	-2.5 to 2.5	Pass
				30	3.85	2.017	0.0029	-2.5 to 2.5	Pass
				40	3.85	11.272	0.0159	-2.5 to 2.5	Pass
				50	3.85	20.256	0.0286	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-19.999	-0.0281	-2.5 to 2.5	Pass
					3.85	-14.634	-0.0206	-2.5 to 2.5	Pass
					4.43	-4.849	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				-20	3.85	4.234	0.0060	-2.5 to 2.5	Pass
				-10	3.85	6.151	0.0087	-2.5 to 2.5	Pass
				0	3.85	8.454	0.0119	-2.5 to 2.5	Pass
				10	3.85	12.174	0.0171	-2.5 to 2.5	Pass
				30	3.85	12.317	0.0173	-2.5 to 2.5	Pass
				40	3.85	16.351	0.0230	-2.5 to 2.5	Pass
				50	3.85	18.325	0.0258	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-22.316	-0.0317	-2.5 to 2.5	Pass
					3.85	-27.480	-0.0390	-2.5 to 2.5	Pass

					4.43	-30.599	-0.0435	-2.5 to 2.5	Pass
				-30	3.85	-33.302	-0.0473	-2.5 to 2.5	Pass
				-20	3.85	-33.302	-0.0473	-2.5 to 2.5	Pass
				-10	3.85	-21.429	-0.0304	-2.5 to 2.5	Pass
				0	3.85	-12.360	-0.0176	-2.5 to 2.5	Pass
				10	3.85	-3.476	-0.0049	-2.5 to 2.5	Pass
				30	3.85	5.450	0.0077	-2.5 to 2.5	Pass
				40	3.85	14.362	0.0204	-2.5 to 2.5	Pass
				50	3.85	23.575	0.0335	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	26.035	0.0368	-2.5 to 2.5	Pass
					3.85	11.630	0.0164	-2.5 to 2.5	Pass
					4.43	-0.687	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-7.424	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-9.828	-0.0139	-2.5 to 2.5	Pass
				-10	3.85	-9.212	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-10.729	-0.0152	-2.5 to 2.5	Pass
				10	3.85	-11.888	-0.0168	-2.5 to 2.5	Pass
				30	3.85	-10.858	-0.0153	-2.5 to 2.5	Pass
				40	3.85	-6.323	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-4.978	-0.0070	-2.5 to 2.5	Pass
	711	50	0	20	3.27	19.026	0.0268	-2.5 to 2.5	Pass
					3.85	-2.747	-0.0039	-2.5 to 2.5	Pass
					4.43	-13.933	-0.0196	-2.5 to 2.5	Pass
				-30	3.85	-19.040	-0.0268	-2.5 to 2.5	Pass
				-20	3.85	-25.635	-0.0361	-2.5 to 2.5	Pass
				-10	3.85	-30.899	-0.0435	-2.5 to 2.5	Pass
				0	3.85	-33.460	-0.0471	-2.5 to 2.5	Pass
				10	3.85	-37.422	-0.0526	-2.5 to 2.5	Pass
				30	3.85	-39.196	-0.0551	-2.5 to 2.5	Pass
				40	3.85	-40.154	-0.0565	-2.5 to 2.5	Pass
				50	3.85	-40.798	-0.0574	-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

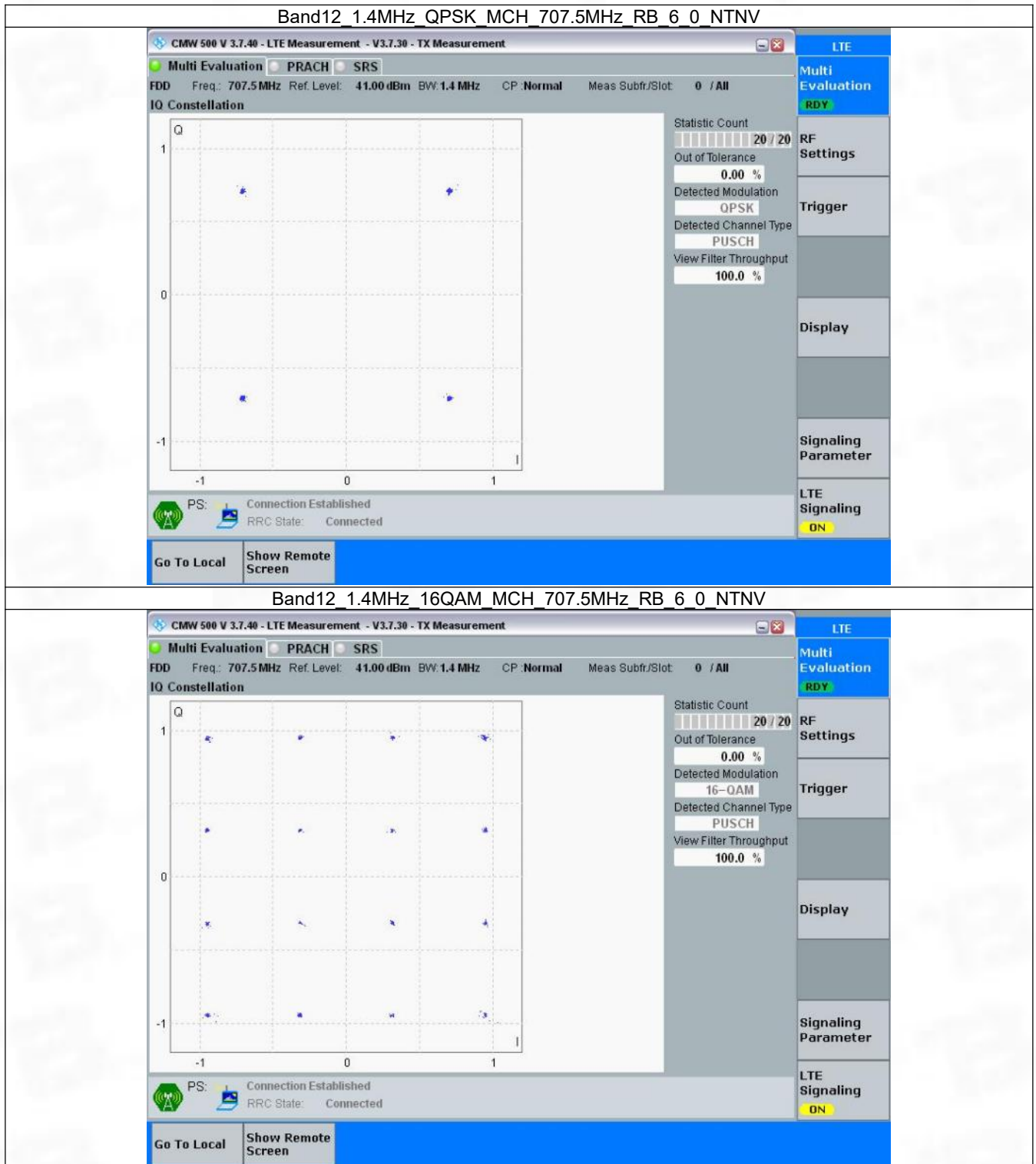
Band: 12 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	707.5	25	0	Refer To Test Graph	
16QAM	707.5	25	0	Refer To Test Graph	

3.1.4 B12_10MHz

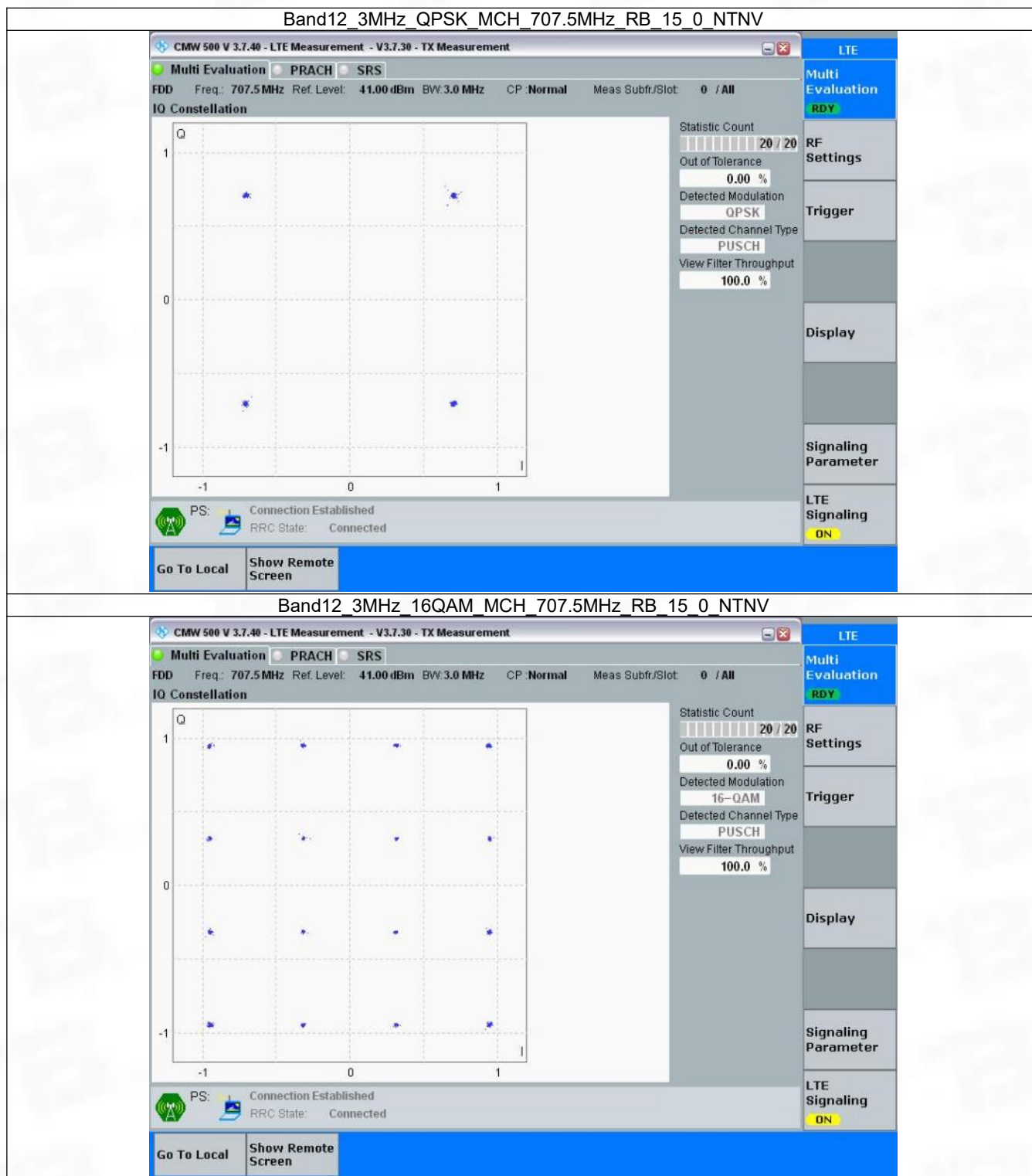
Band: 12 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	707.5	50	0	Refer To Test Graph	
16QAM	707.5	50	0	Refer To Test Graph	

3.2 Test Graph

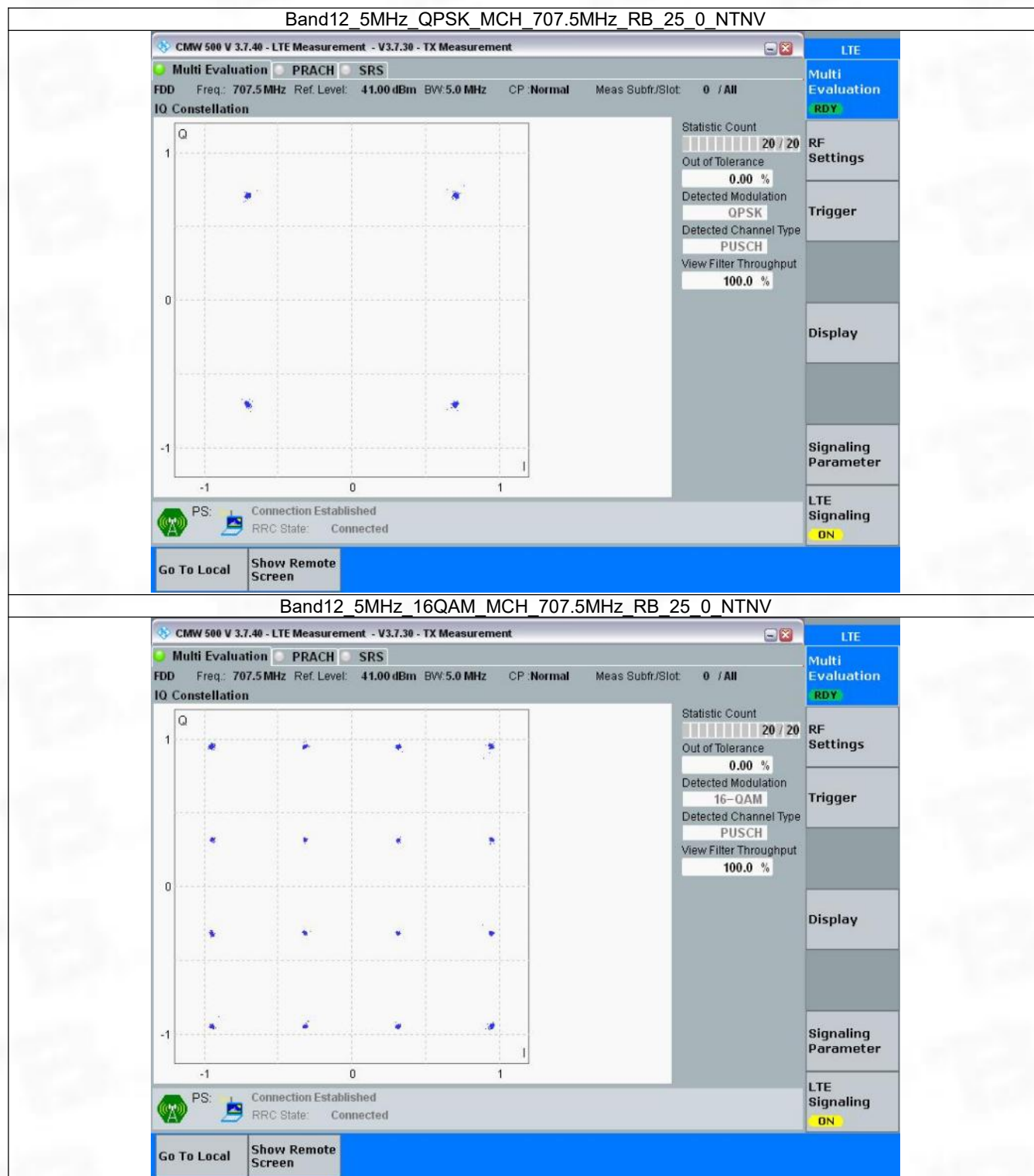
3.2.1 B12_1.4MHz



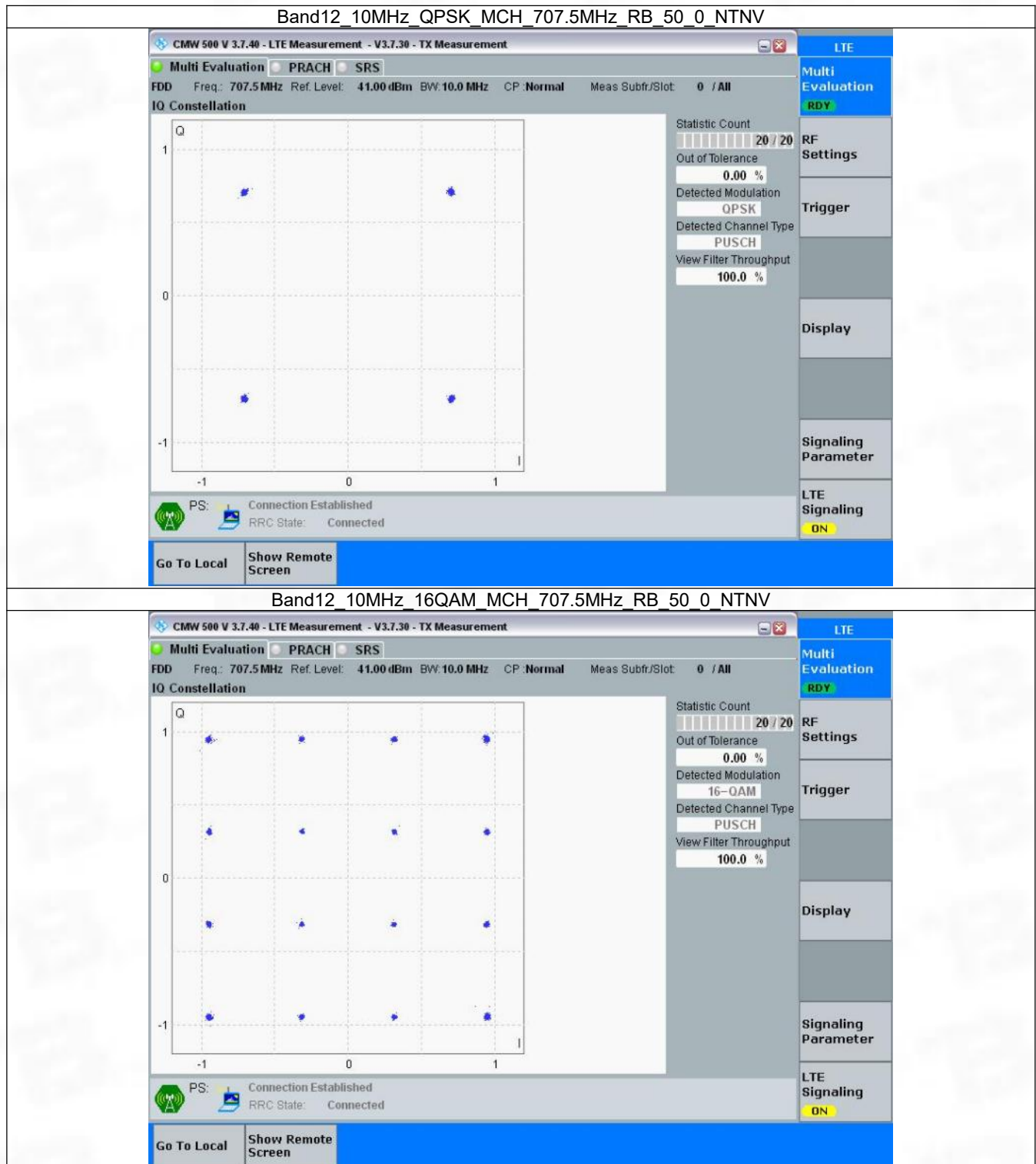
3.2.2 B12_3MHz



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	1.091	/	Pass
		707.5	6	0	1.087	/	Pass
		715.3	6	0	1.089	/	Pass
	16QAM	699.7	6	0	1.089	/	Pass
		707.5	6	0	1.084	/	Pass
		715.3	6	0	1.089	/	Pass
3	QPSK	700.5	15	0	2.689	/	Pass
		707.5	15	0	2.686	/	Pass
		714.5	15	0	2.696	/	Pass
	16QAM	700.5	15	0	2.691	/	Pass
		707.5	15	0	2.691	/	Pass
		714.5	15	0	2.694	/	Pass
5	QPSK	701.5	25	0	4.510	/	Pass
		707.5	25	0	4.534	/	Pass
		713.5	25	0	4.523	/	Pass
	16QAM	701.5	25	0	4.520	/	Pass
		707.5	25	0	4.539	/	Pass
		713.5	25	0	4.513	/	Pass
10	QPSK	704	50	0	8.978	/	Pass
		707.5	50	0	8.999	/	Pass
		711	50	0	8.933	/	Pass
	16QAM	704	50	0	8.993	/	Pass
		707.5	50	0	8.967	/	Pass
		711	50	0	8.925	/	Pass

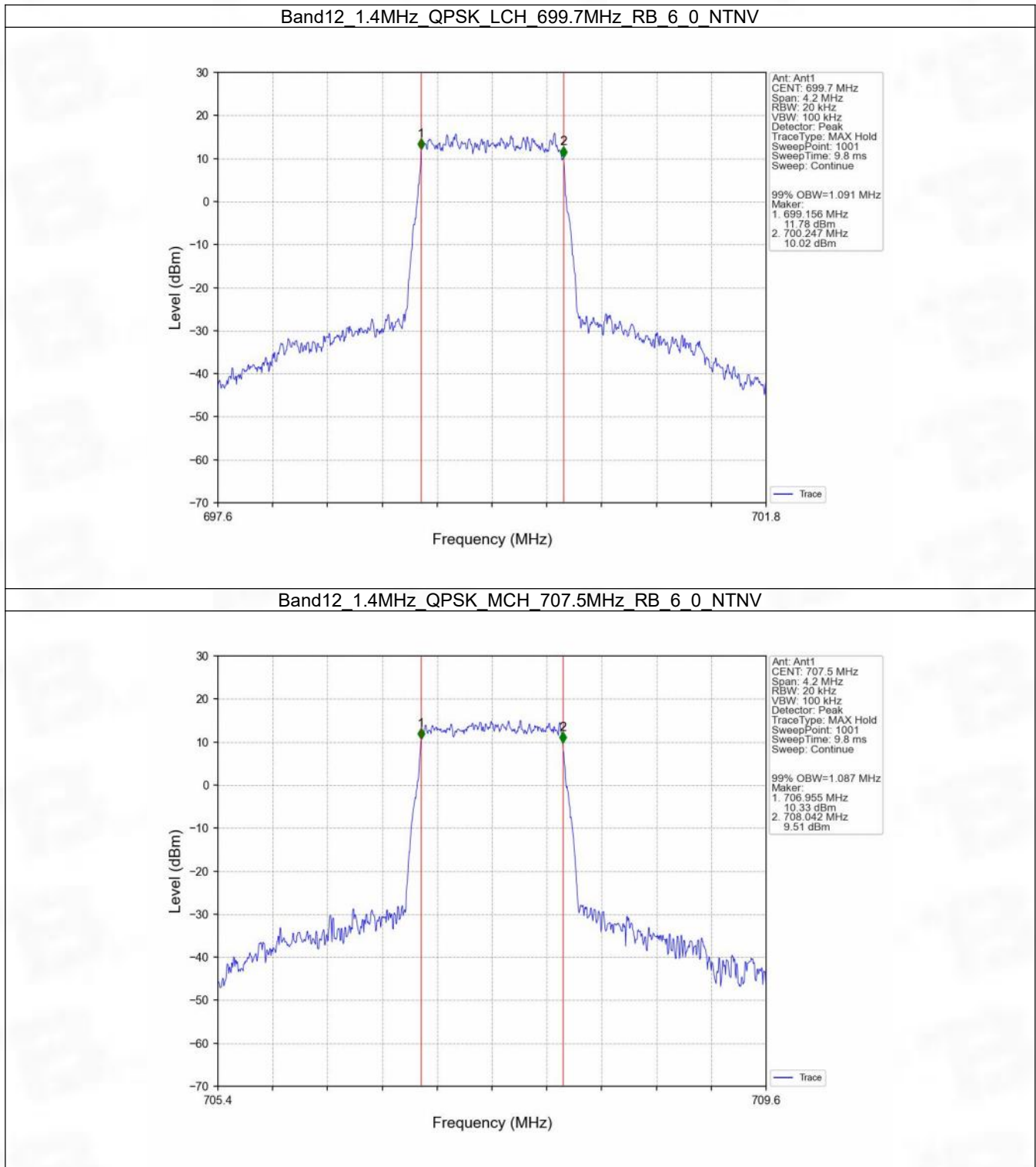
4.1.2 Band12_XDB

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	1.224	/	Pass
		707.5	6	0	1.241	/	Pass
		715.3	6	0	1.240	/	Pass
	16QAM	699.7	6	0	1.241	/	Pass
		707.5	6	0	1.228	/	Pass
		715.3	6	0	1.241	/	Pass
3	QPSK	700.5	15	0	2.989	/	Pass
		707.5	15	0	2.973	/	Pass
		714.5	15	0	2.990	/	Pass
	16QAM	700.5	15	0	2.982	/	Pass
		707.5	15	0	2.979	/	Pass
		714.5	15	0	3.011	/	Pass
5	QPSK	701.5	25	0	4.938	/	Pass
		707.5	25	0	5.012	/	Pass
		713.5	25	0	4.975	/	Pass

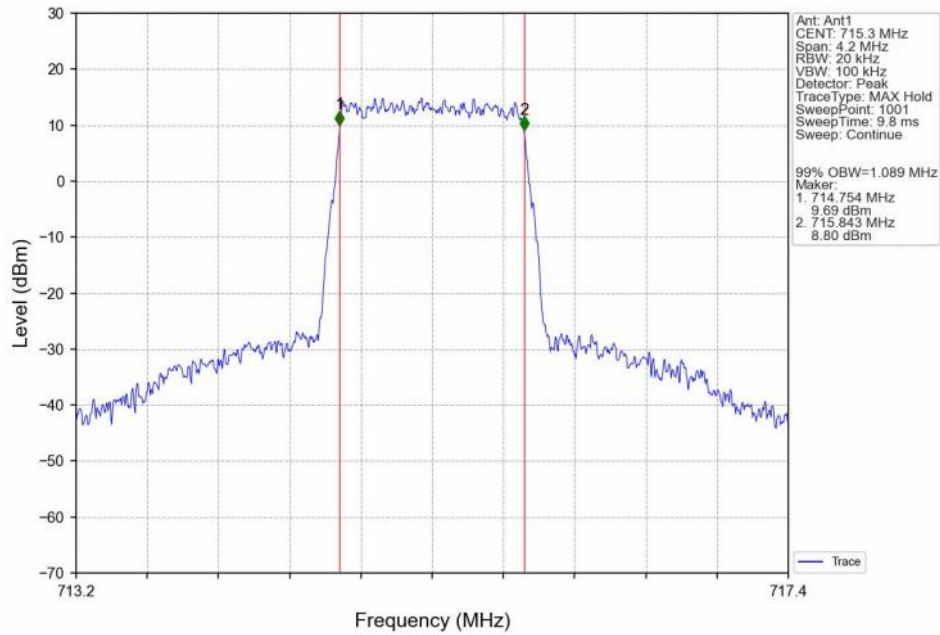
	16QAM	701.5	25	0	4.978	/	Pass
		707.5	25	0	4.976	/	Pass
		713.5	25	0	4.950	/	Pass
10	QPSK	704	50	0	9.736	/	Pass
		707.5	50	0	9.708	/	Pass
		711	50	0	9.688	/	Pass
	16QAM	704	50	0	9.726	/	Pass
		707.5	50	0	9.674	/	Pass
		711	50	0	9.693	/	Pass

4.2 Test Graph

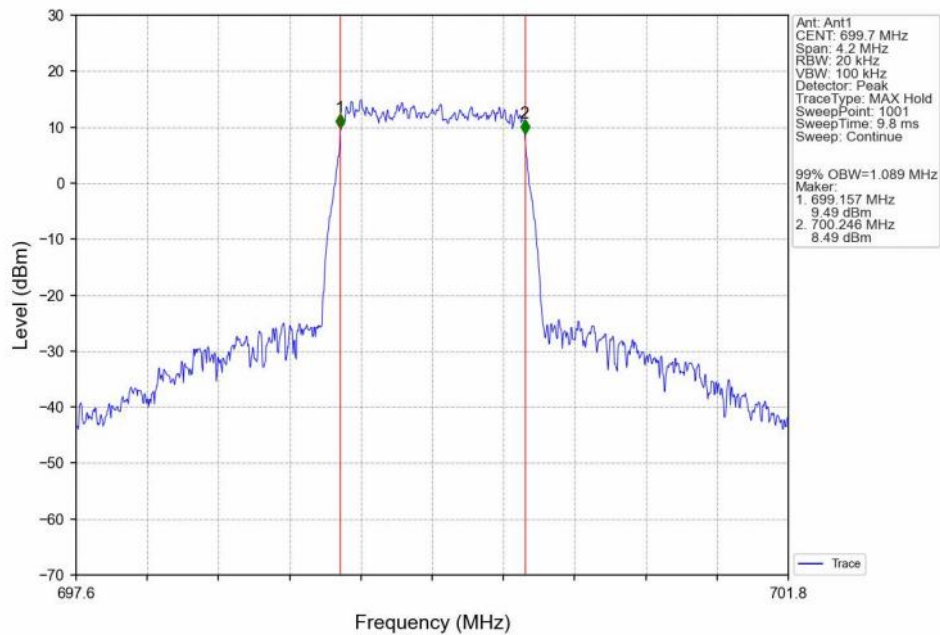
4.2.1 Band12_OBW



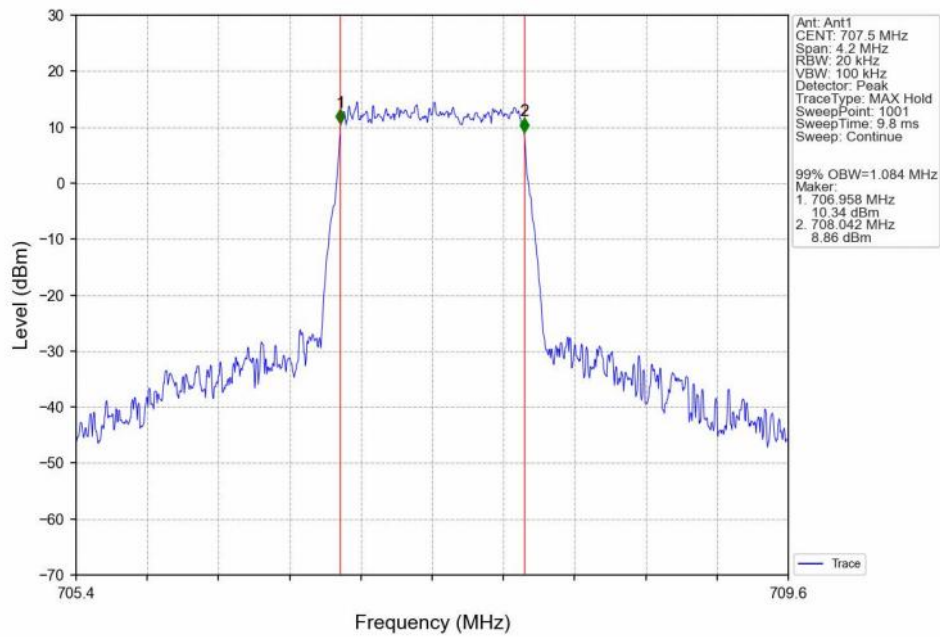
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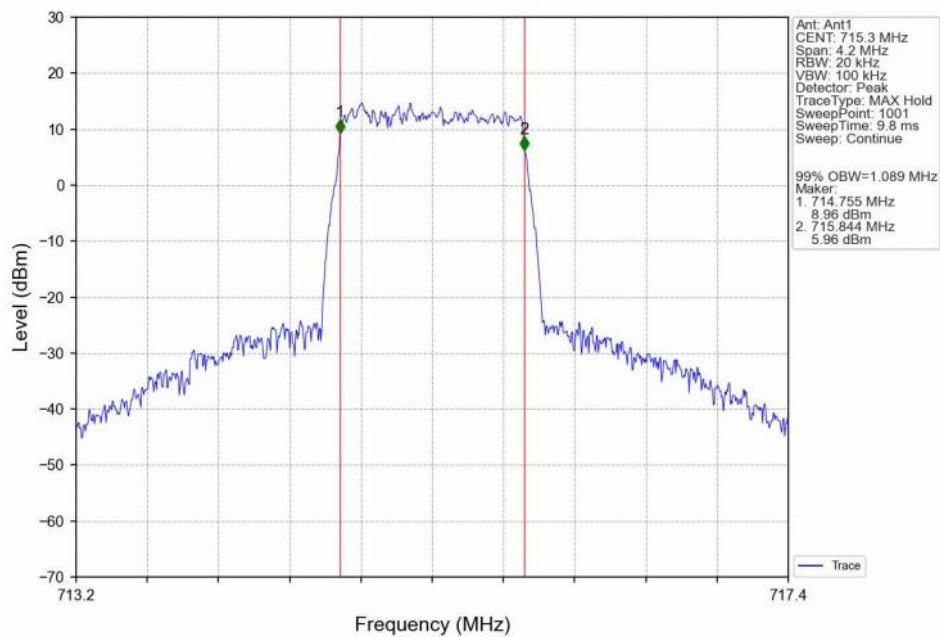
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



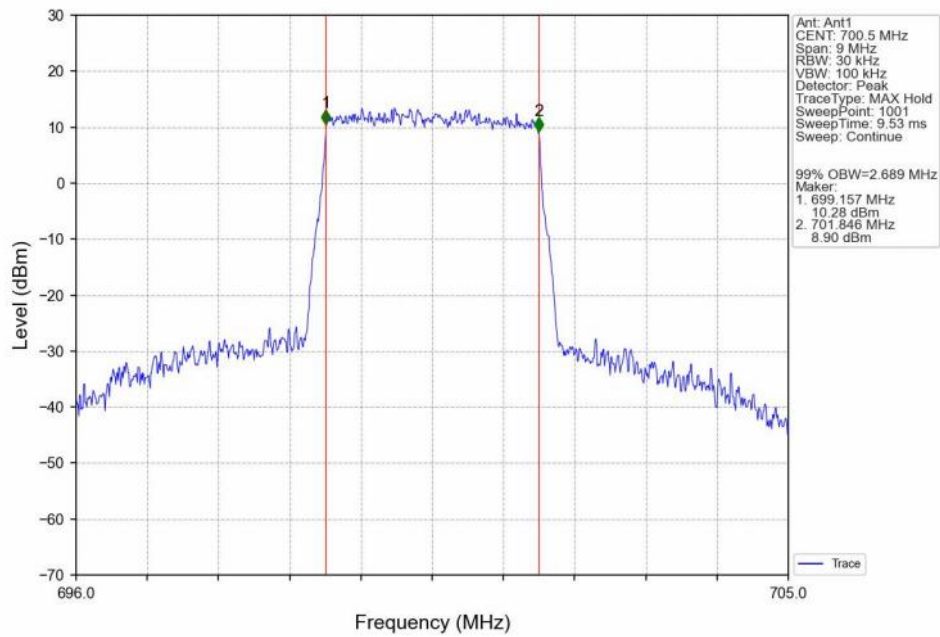
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



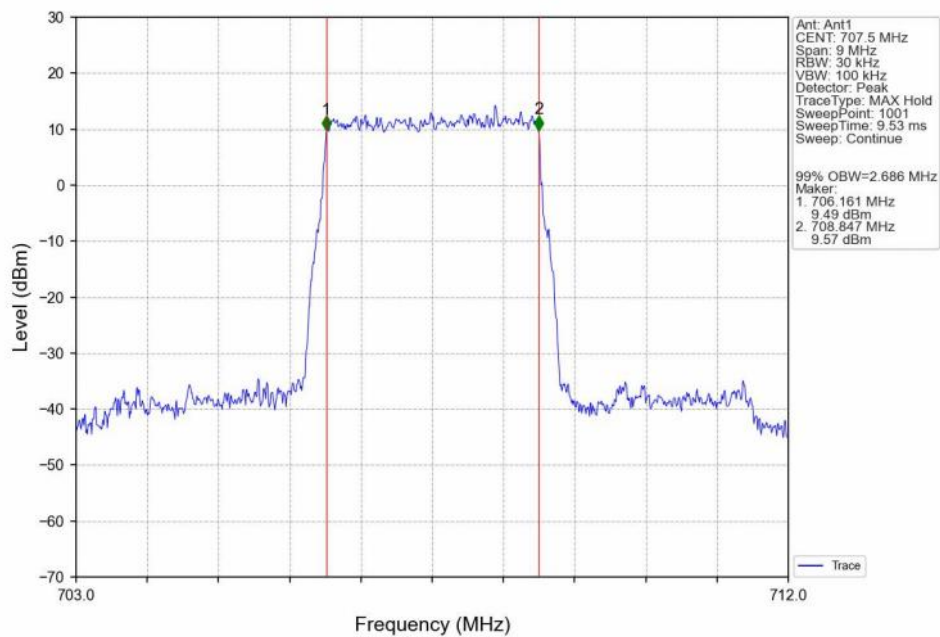
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



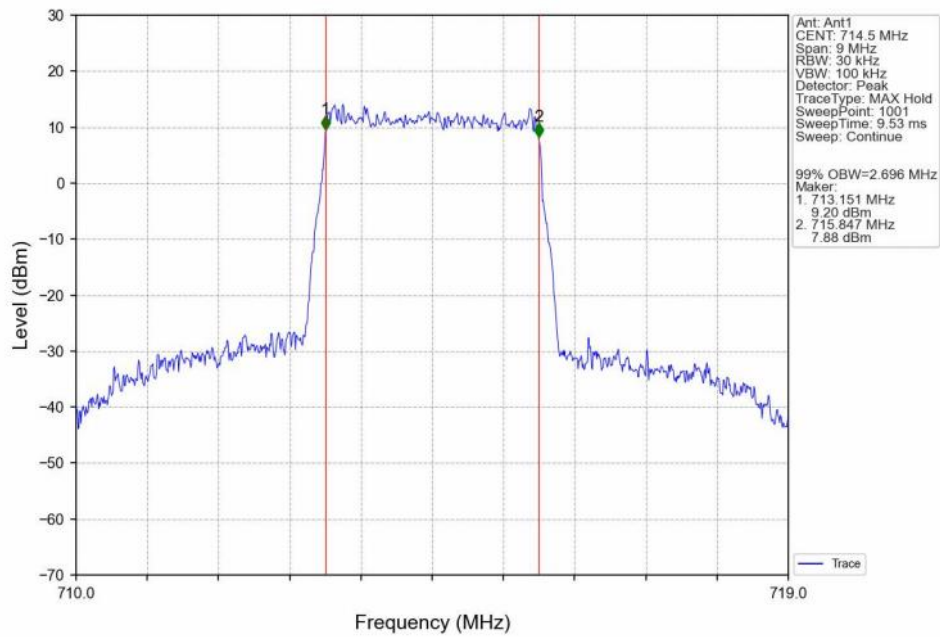
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



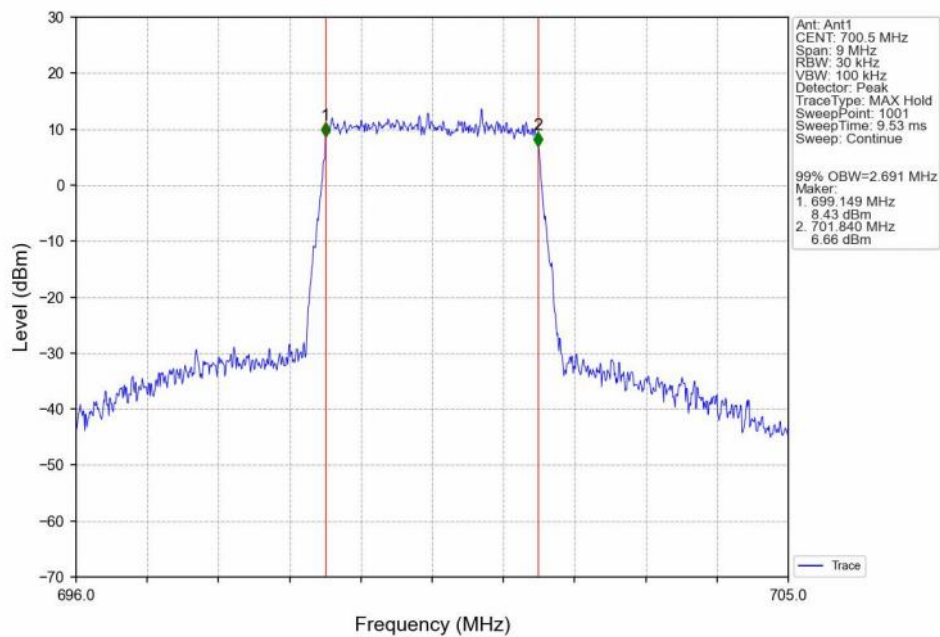
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



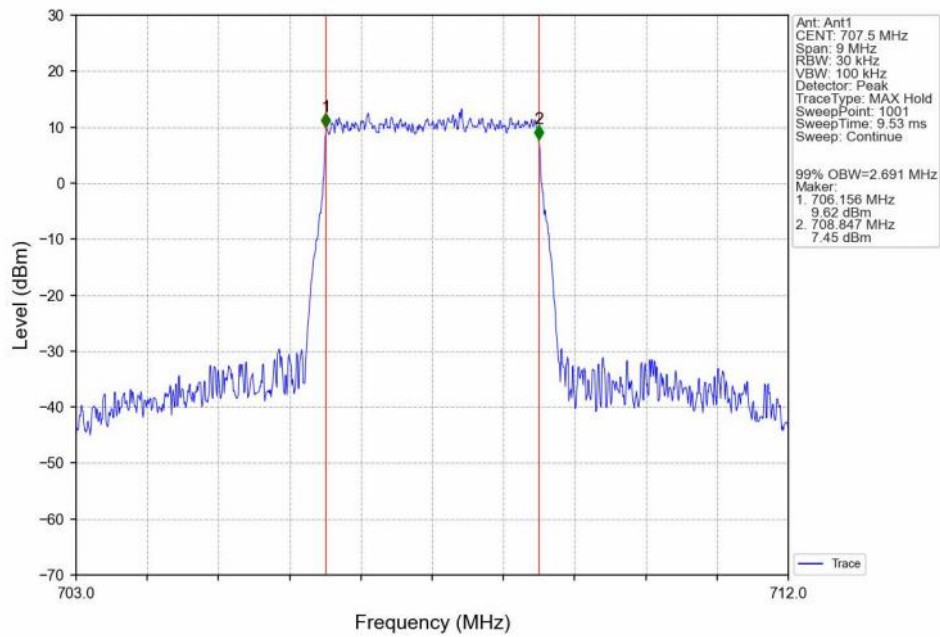
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



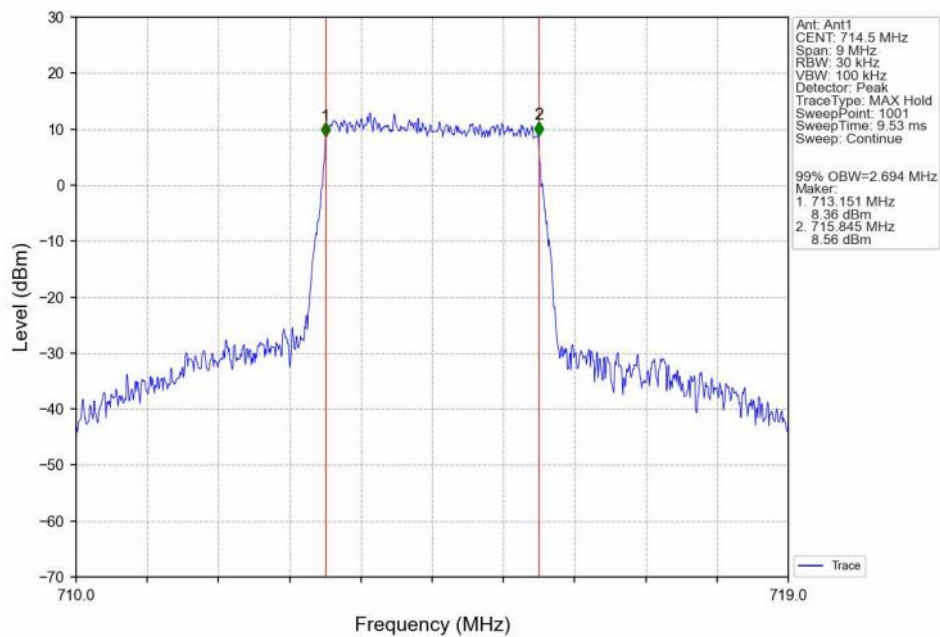
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



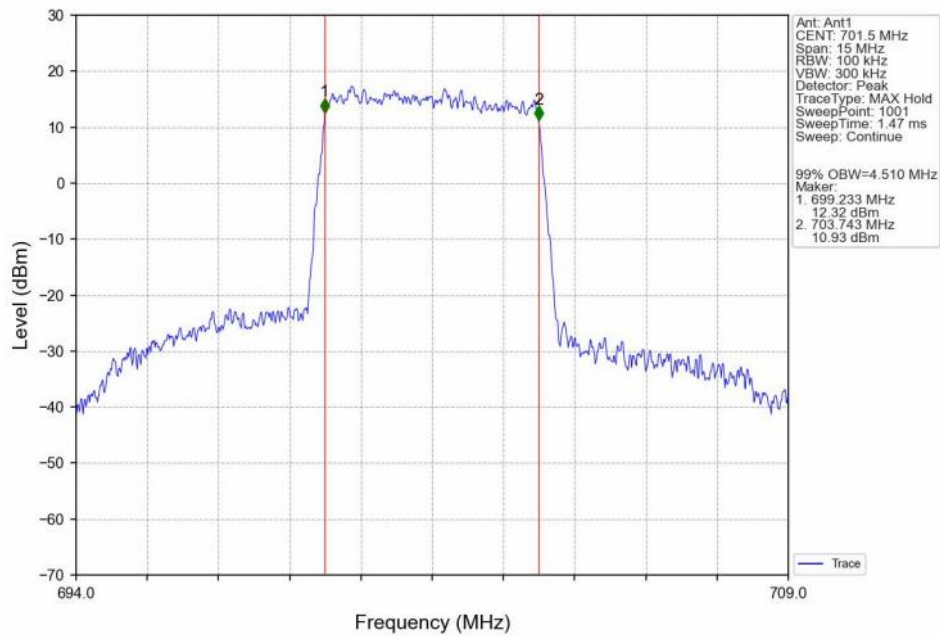
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



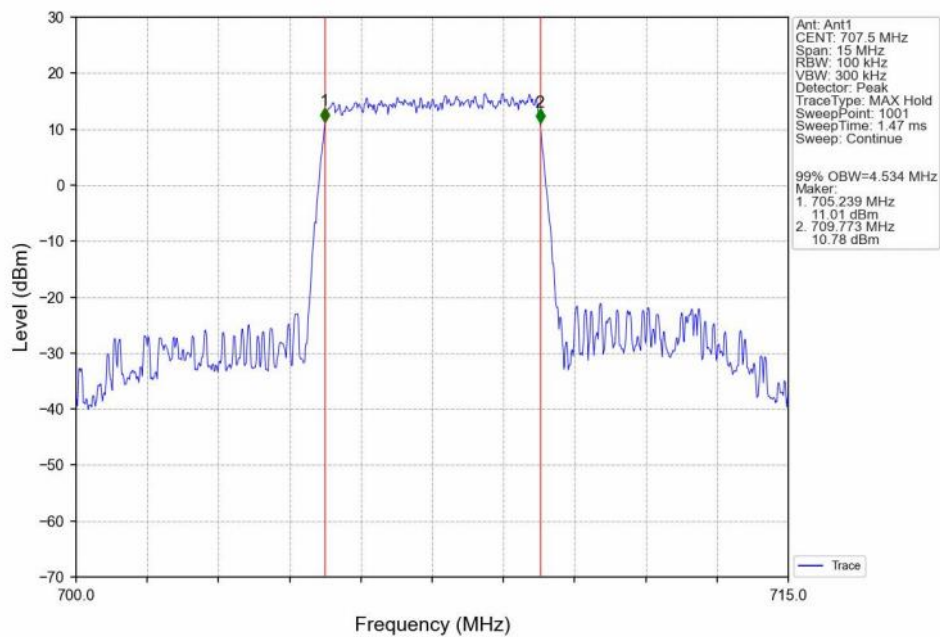
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



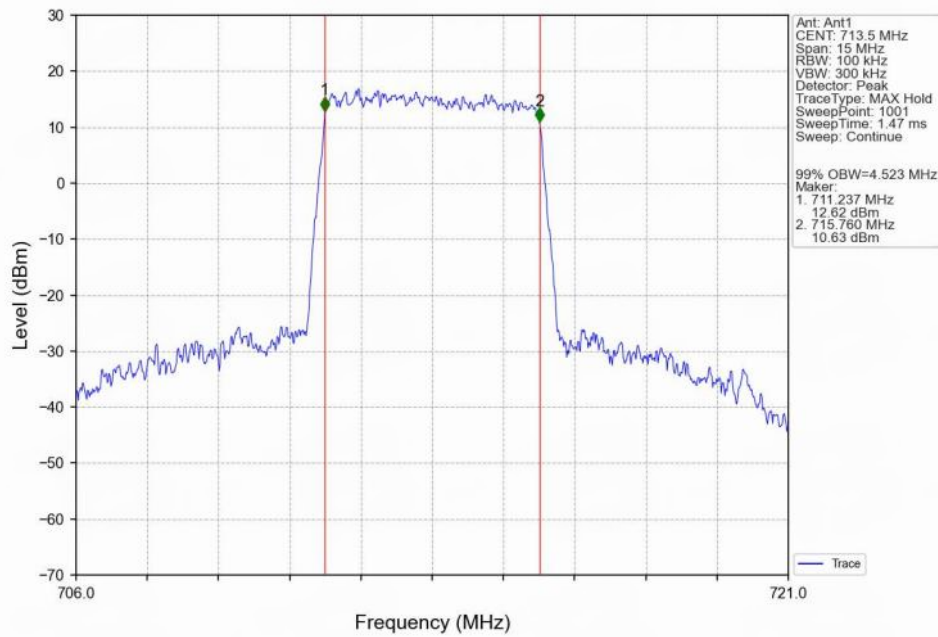
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



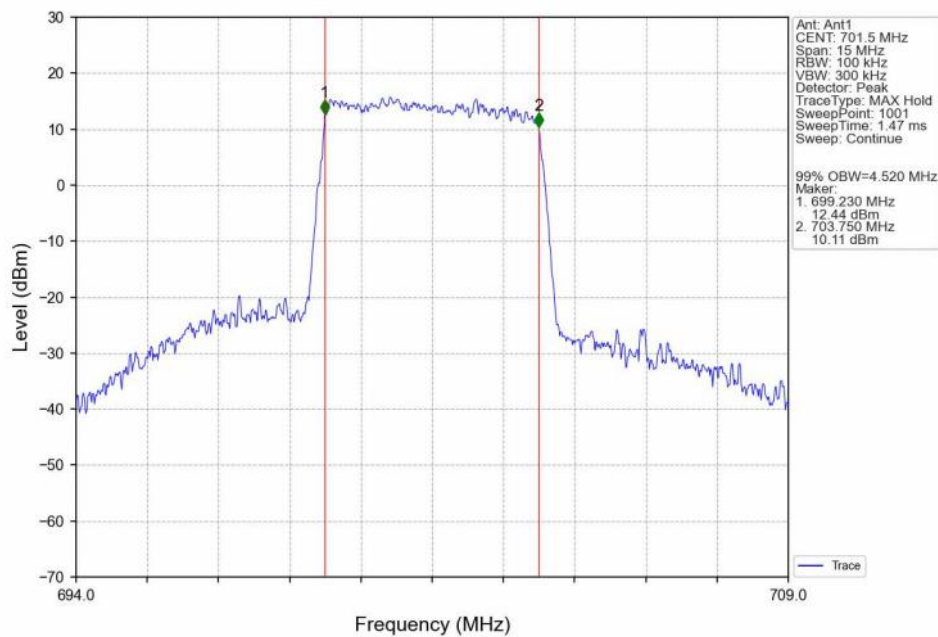
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



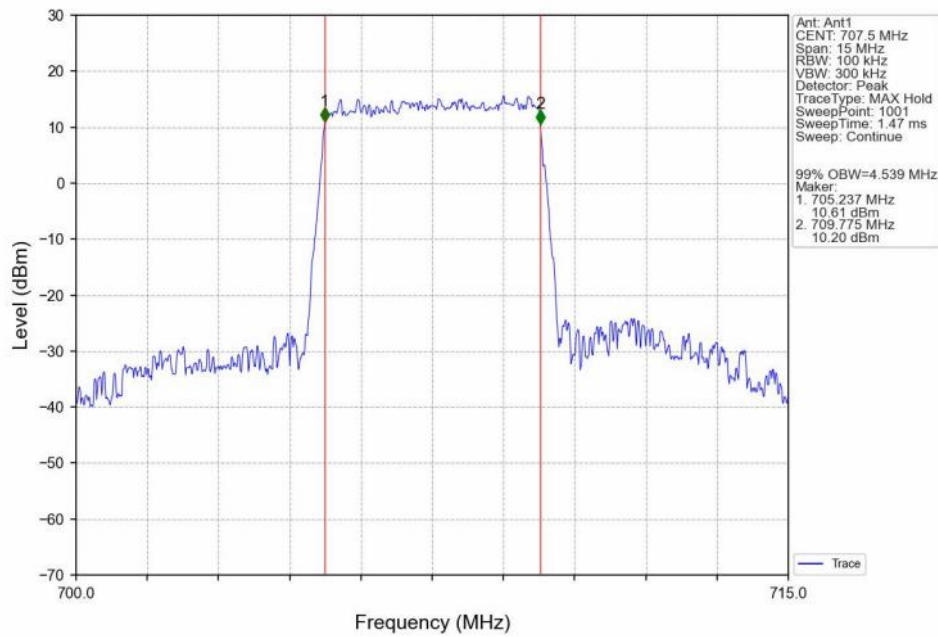
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



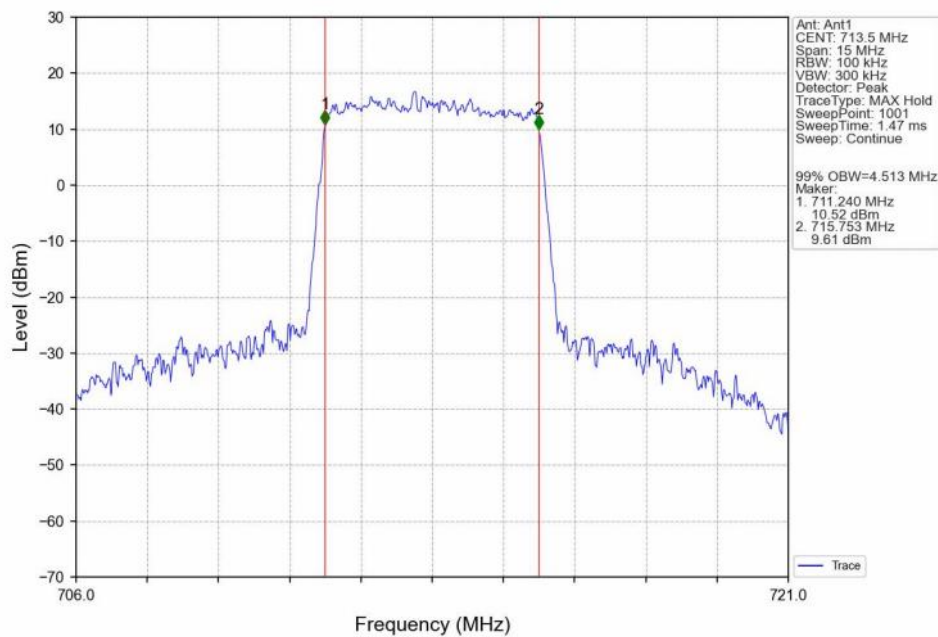
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



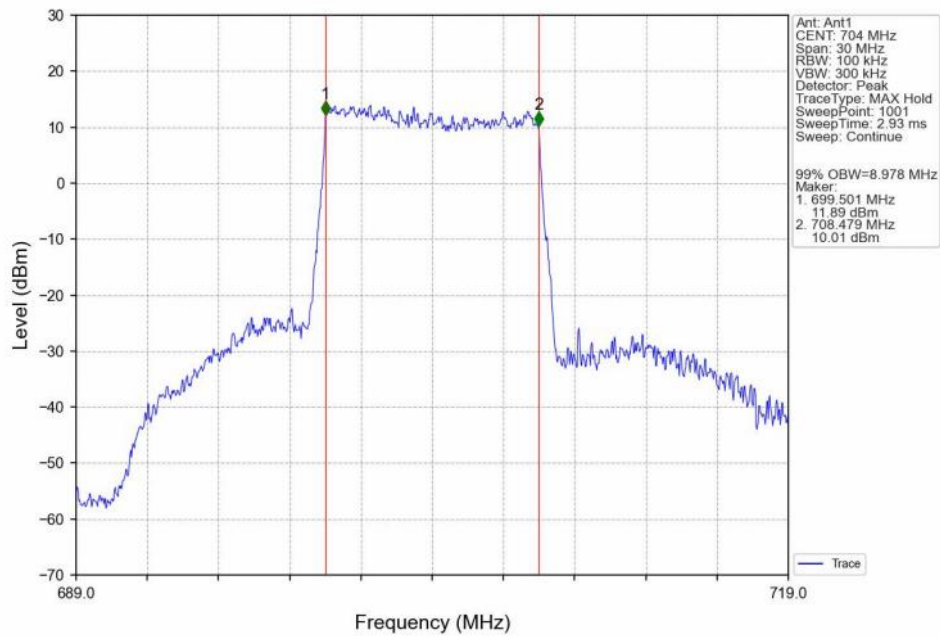
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



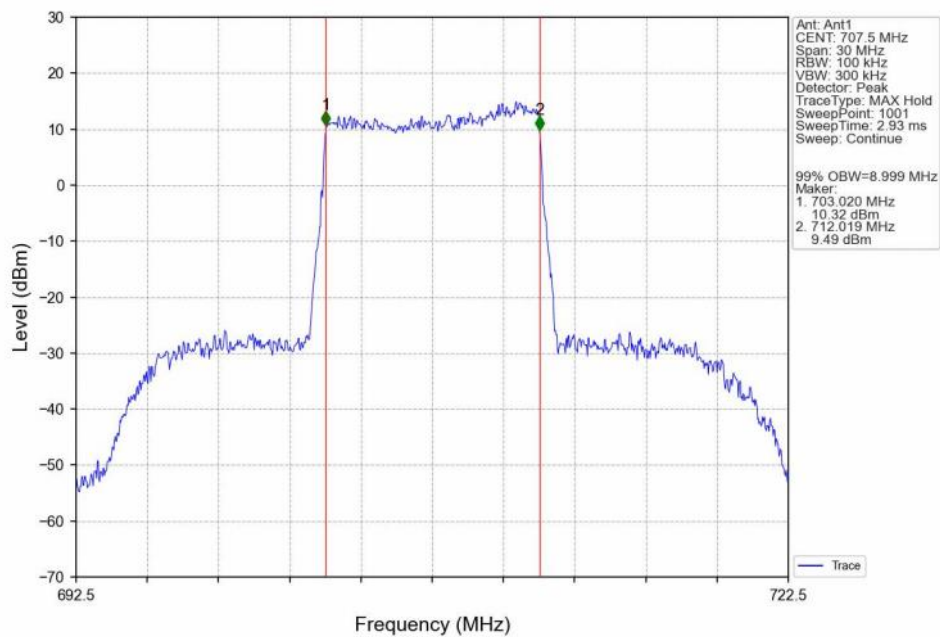
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



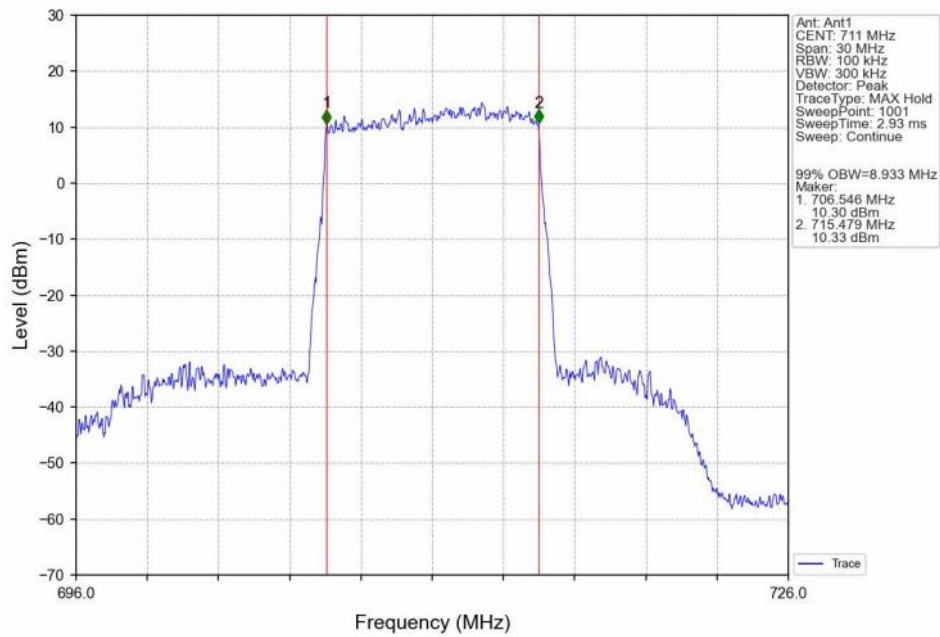
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



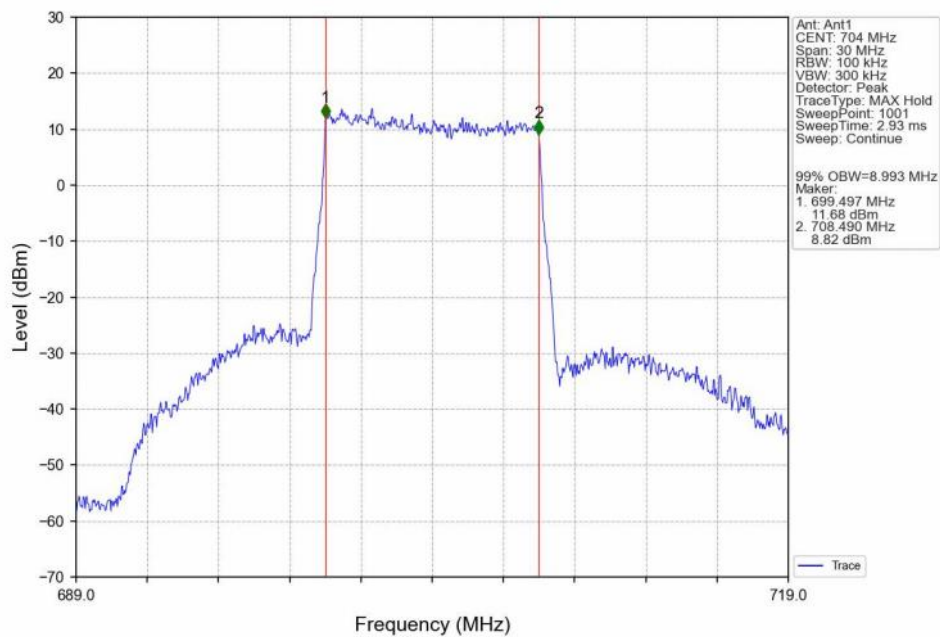
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



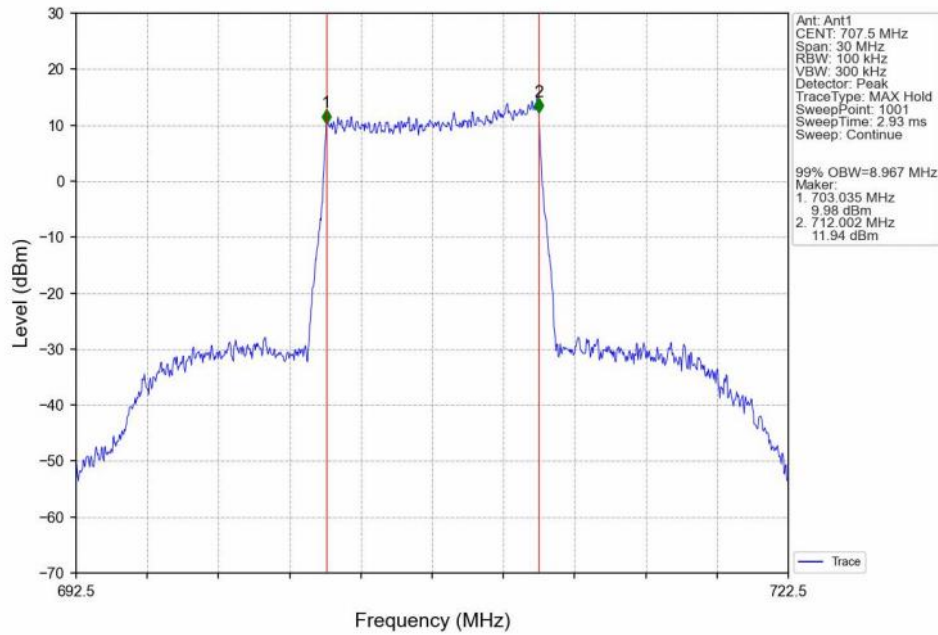
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



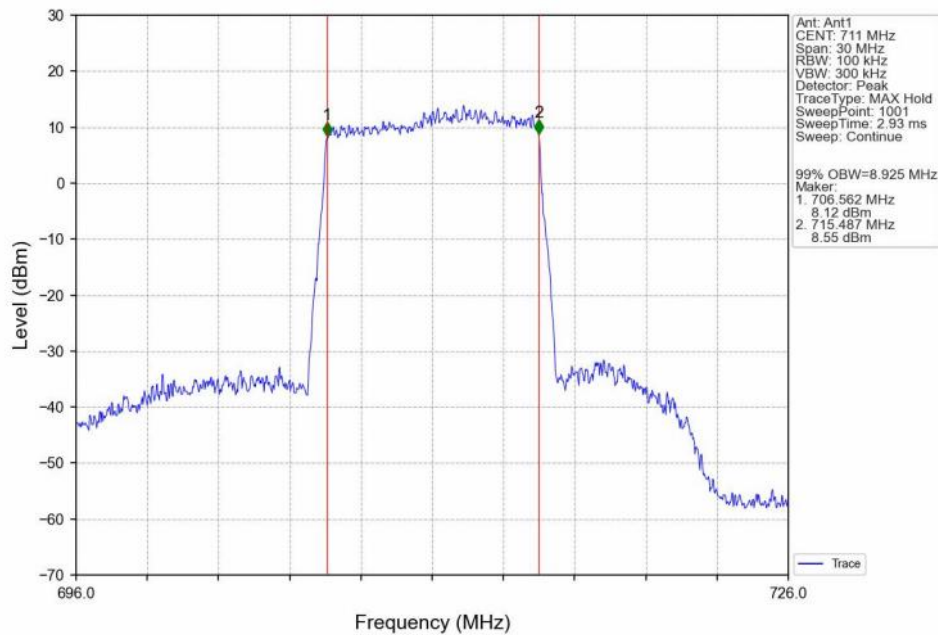
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



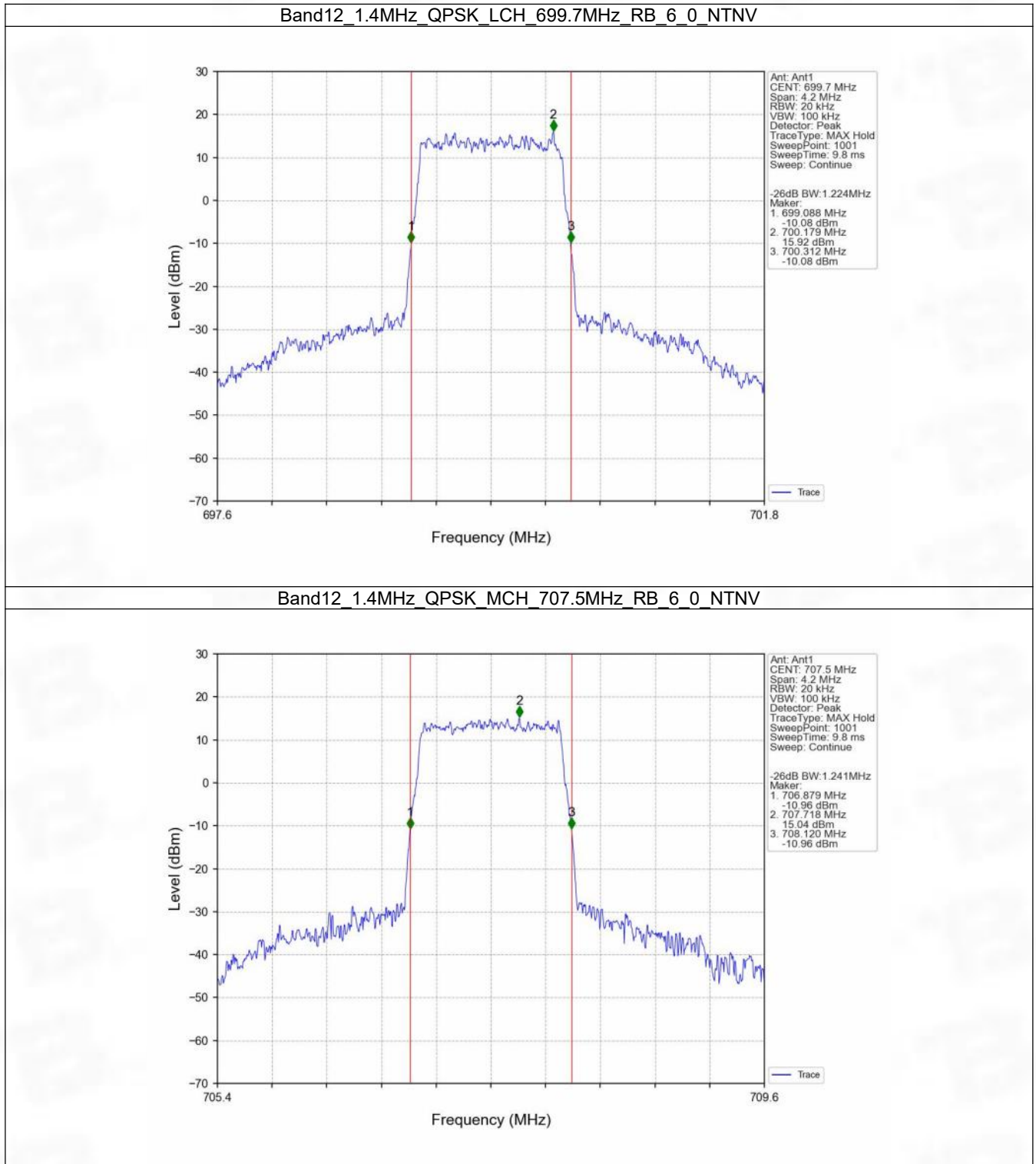
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



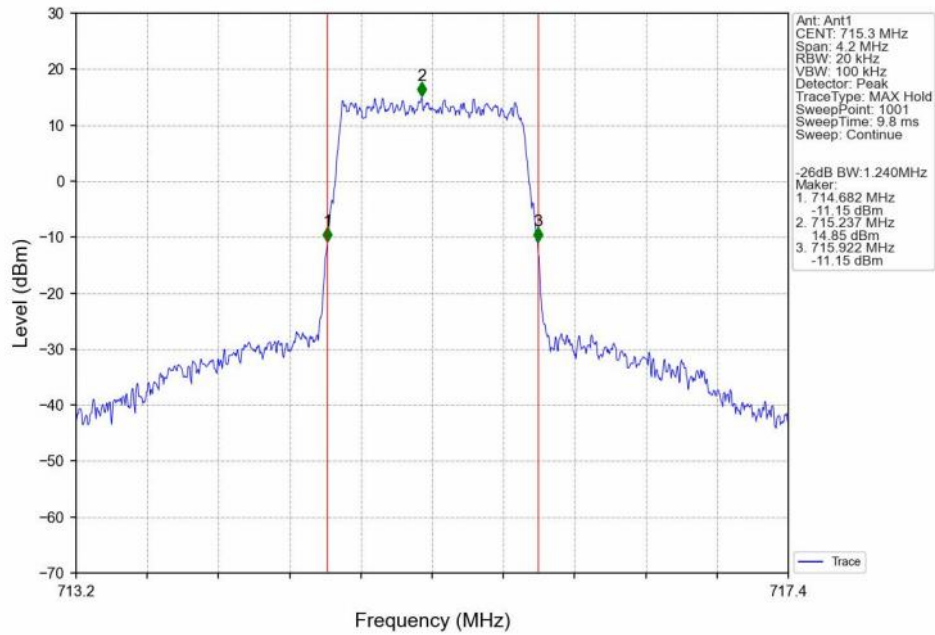
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



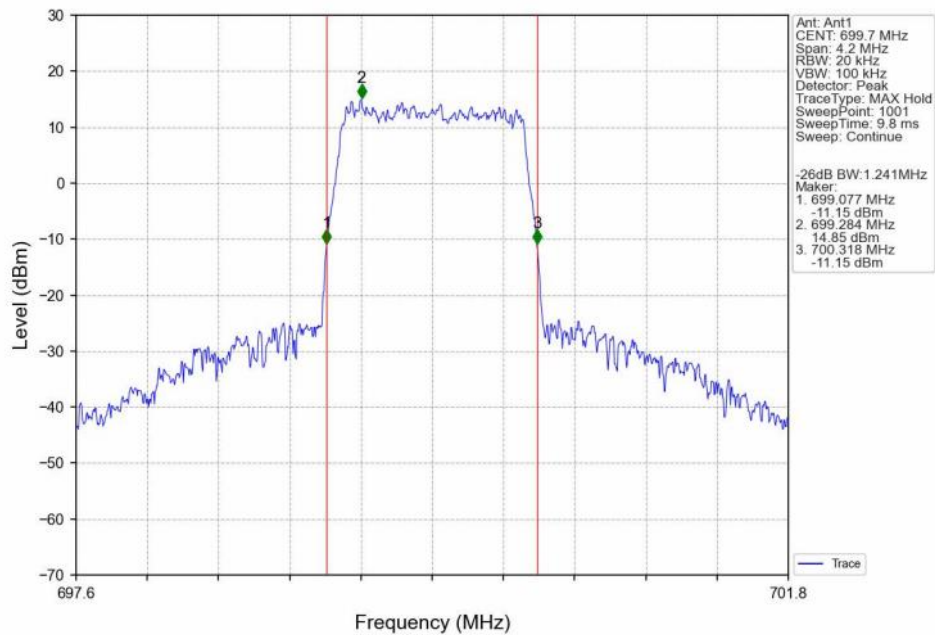
4.2.2 Band12_XDB



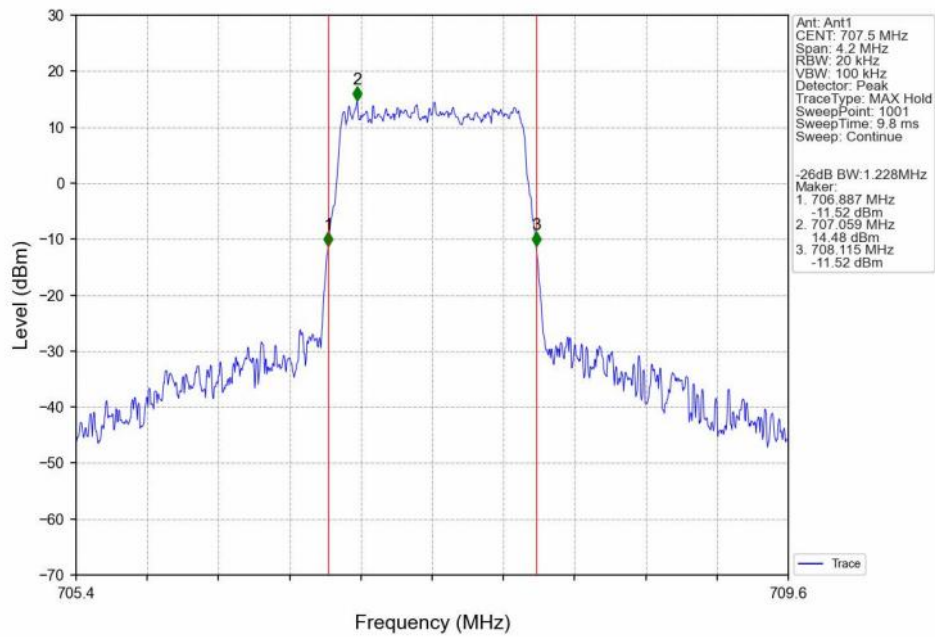
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



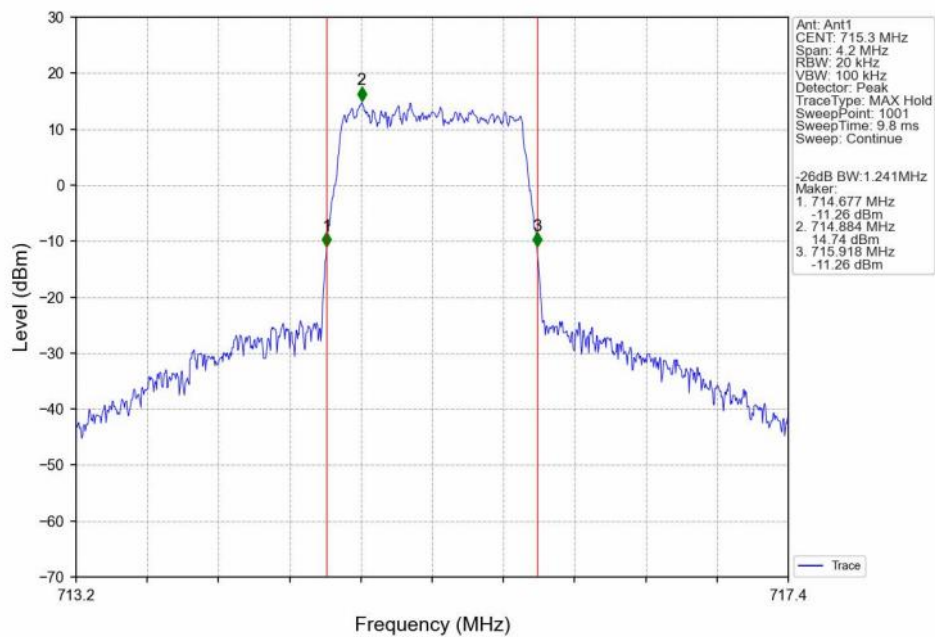
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



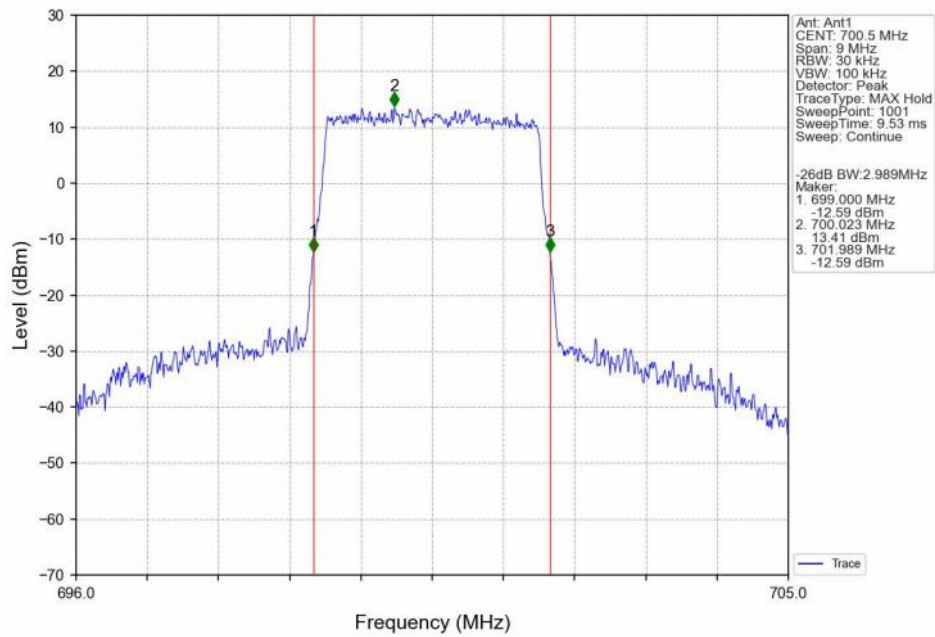
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



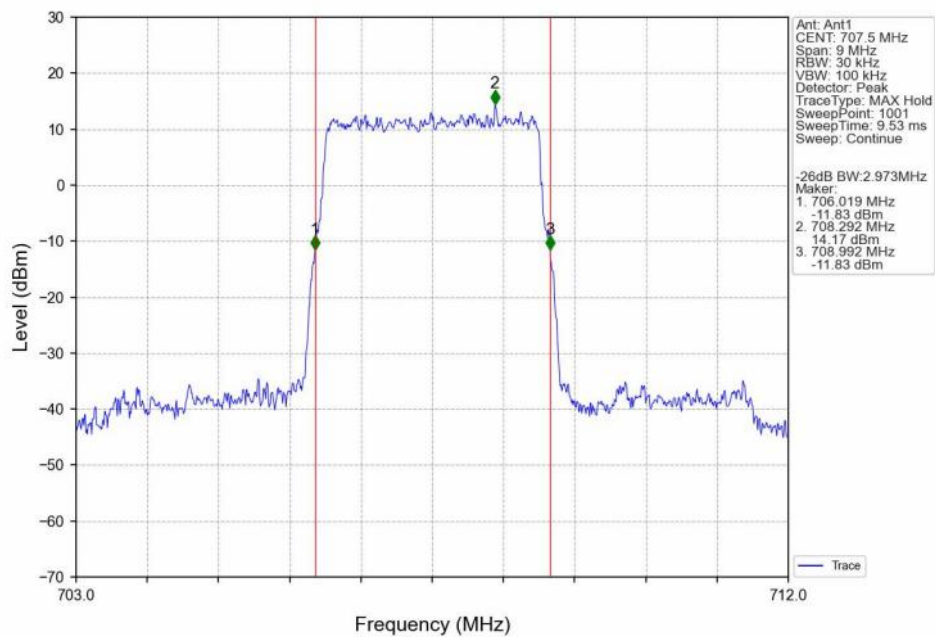
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



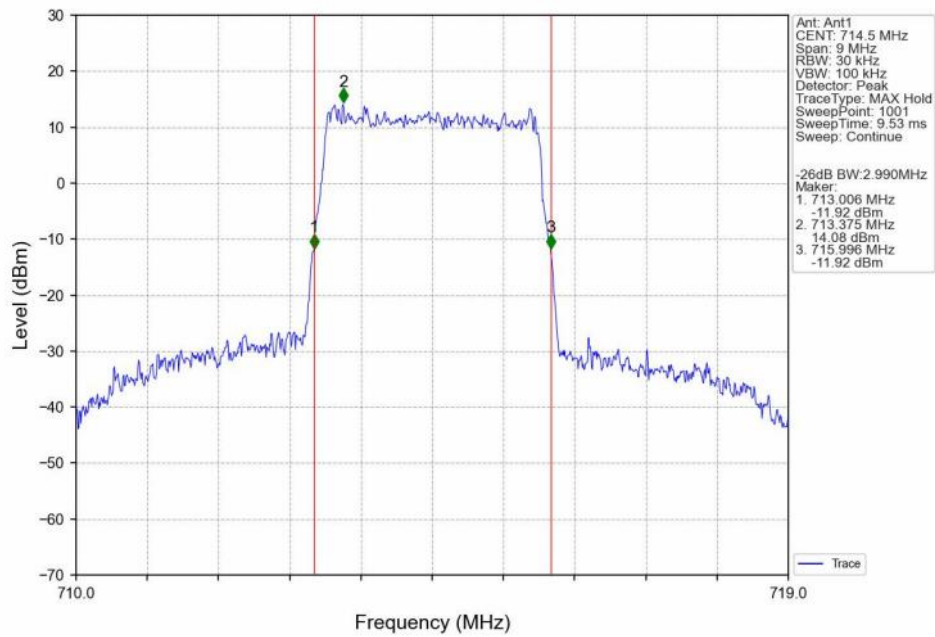
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



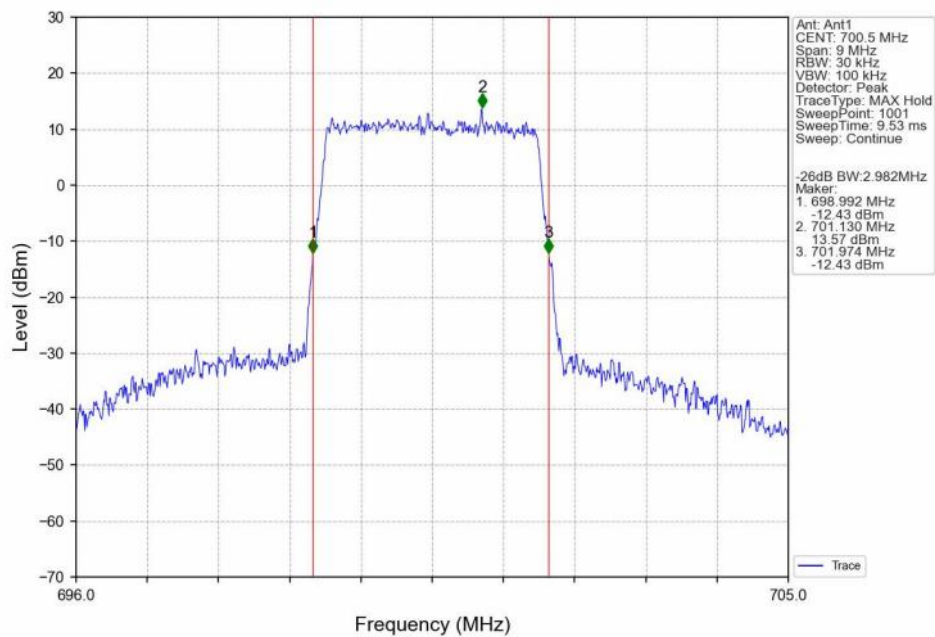
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



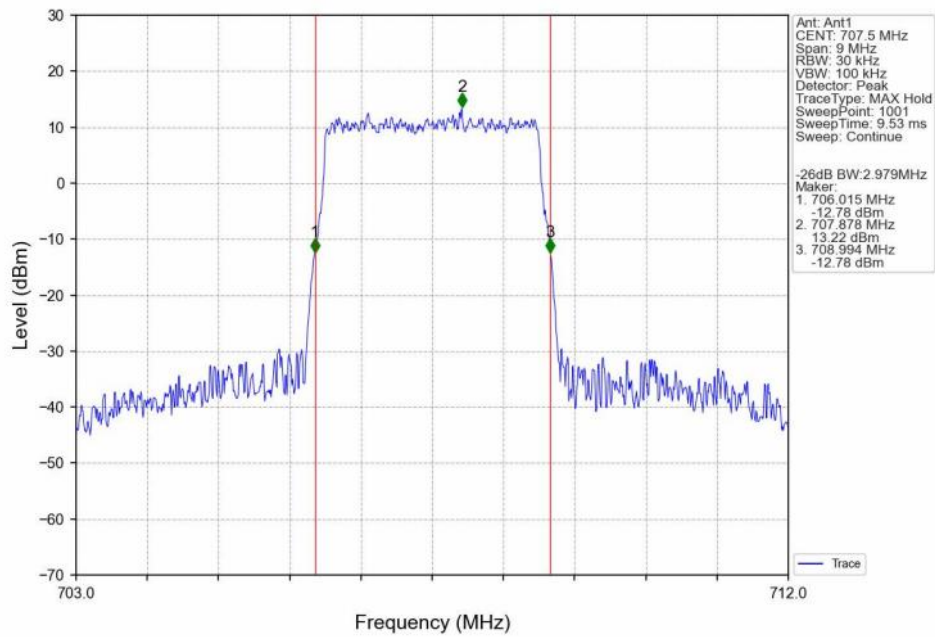
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



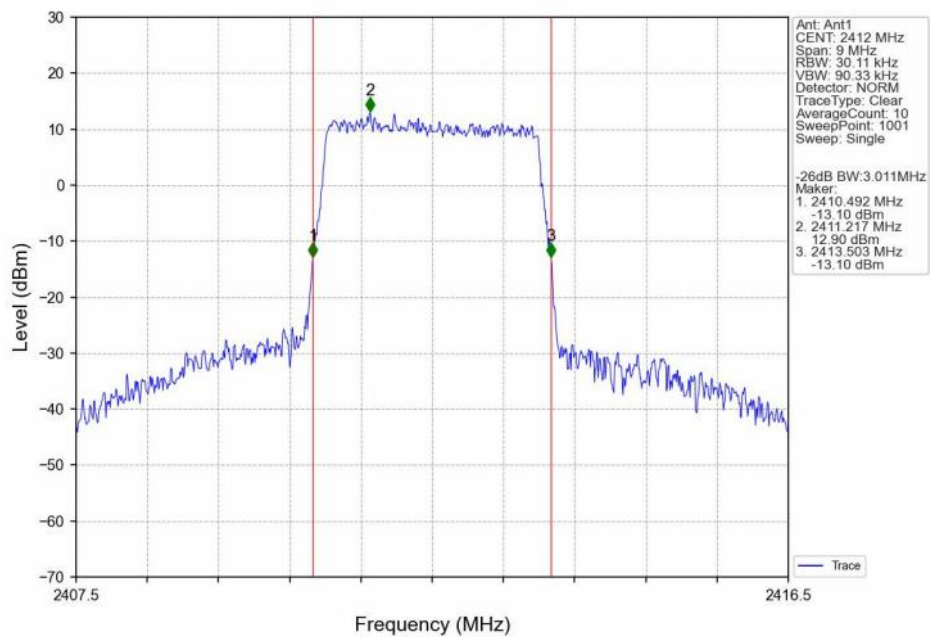
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



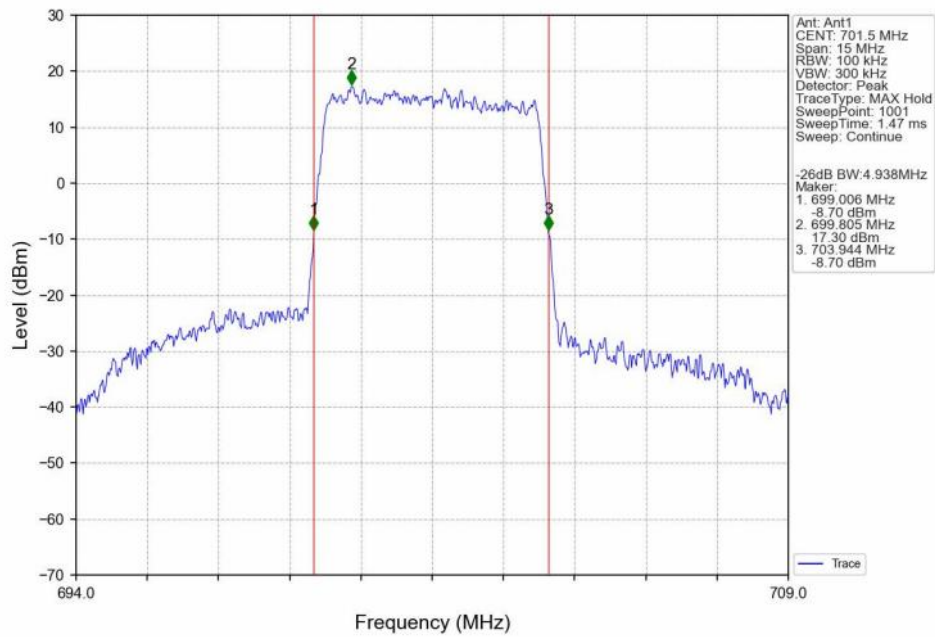
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



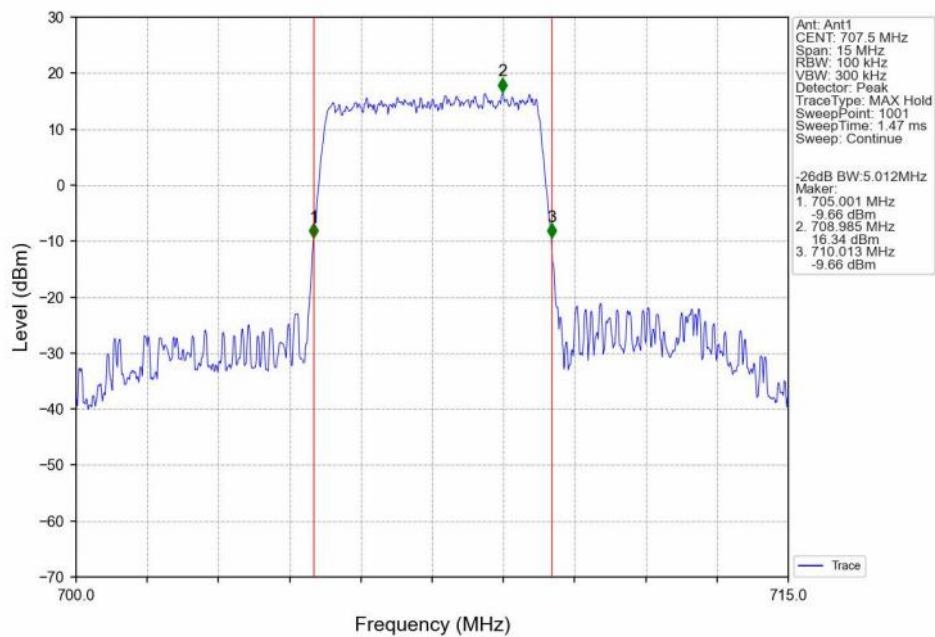
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



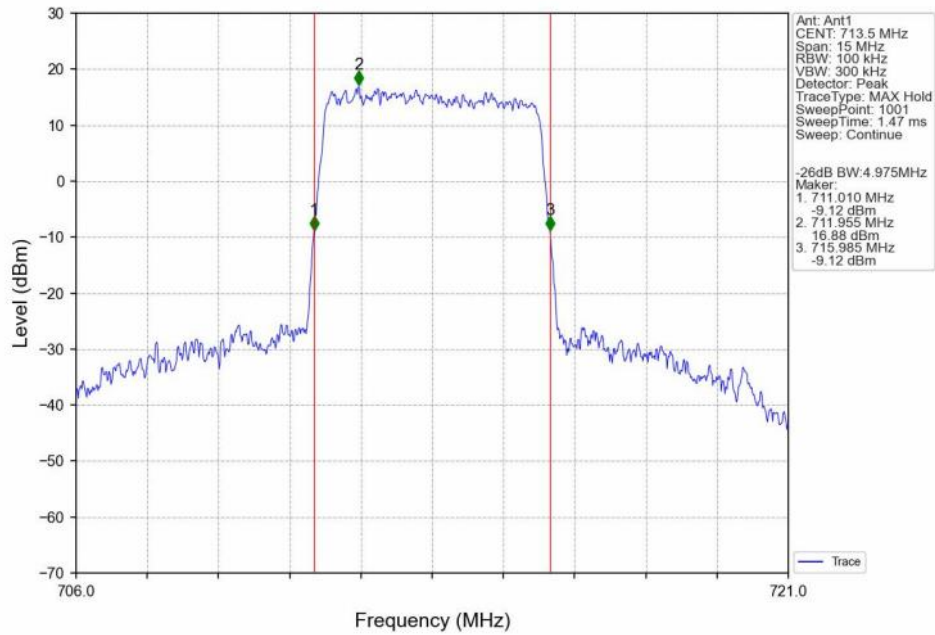
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



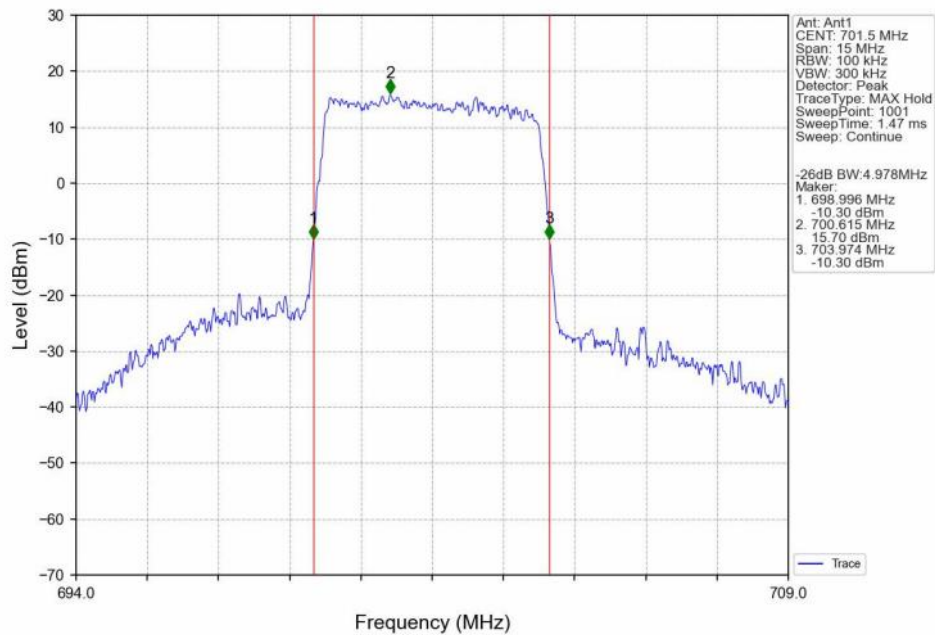
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



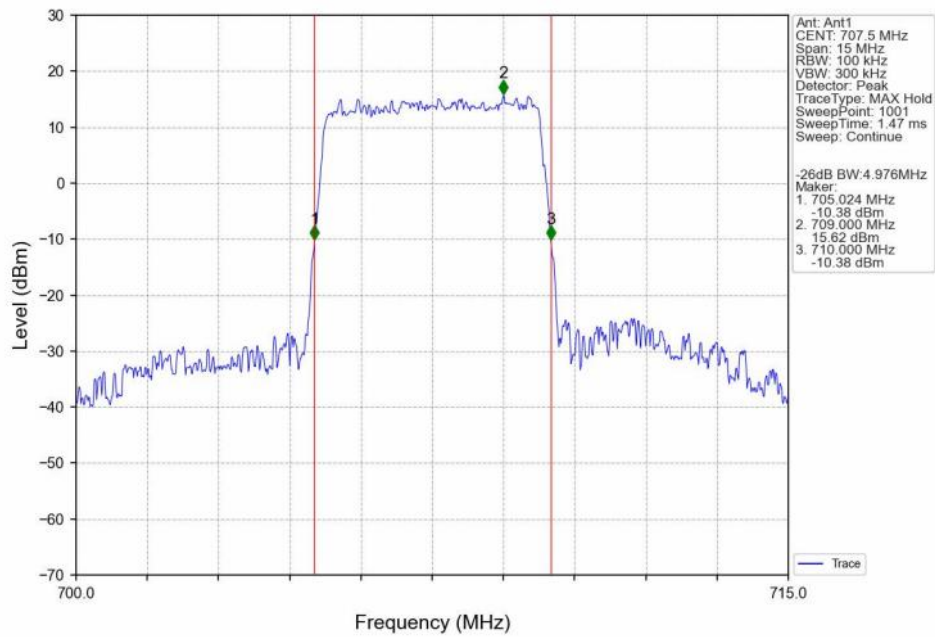
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



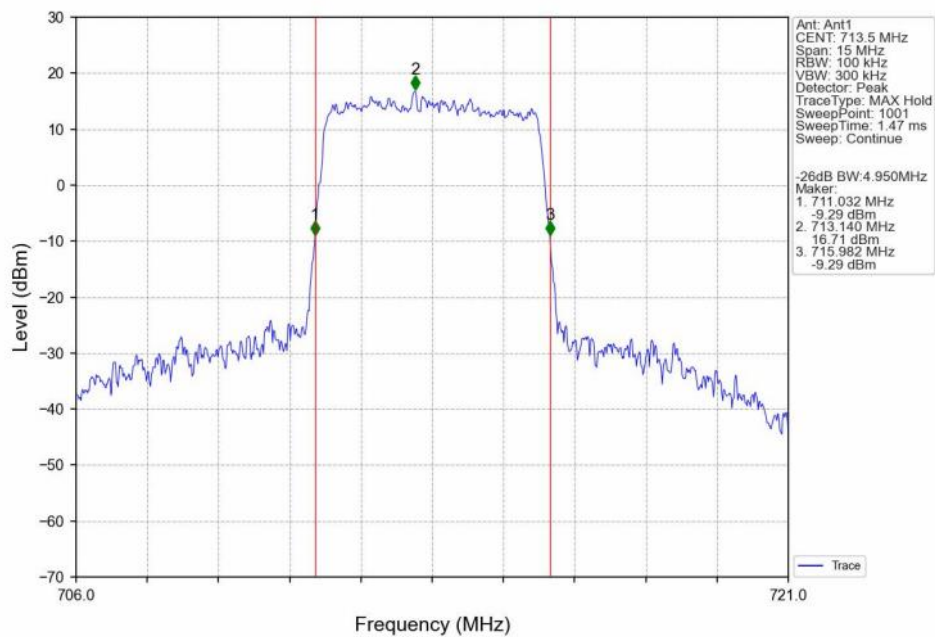
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



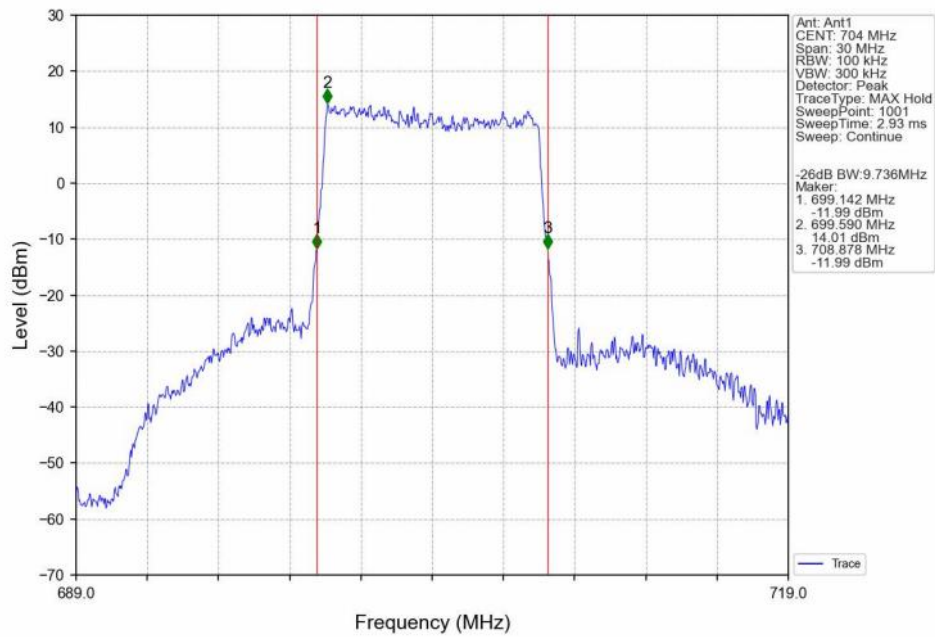
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



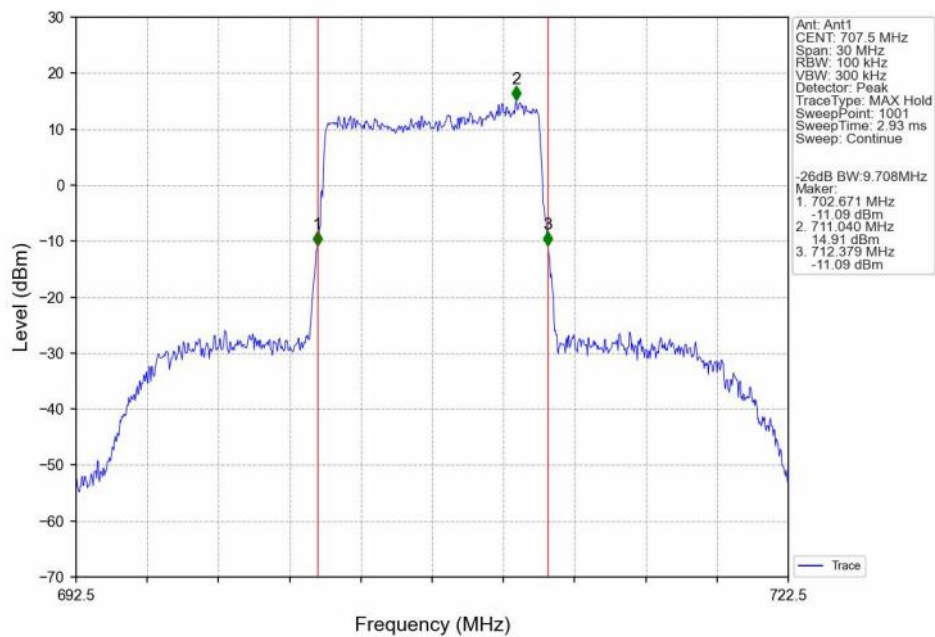
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



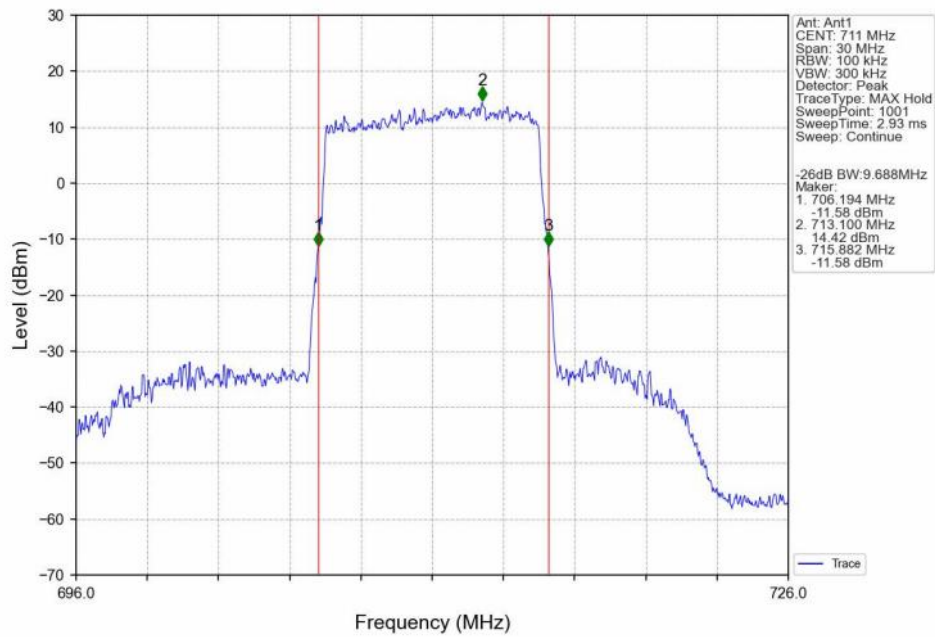
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



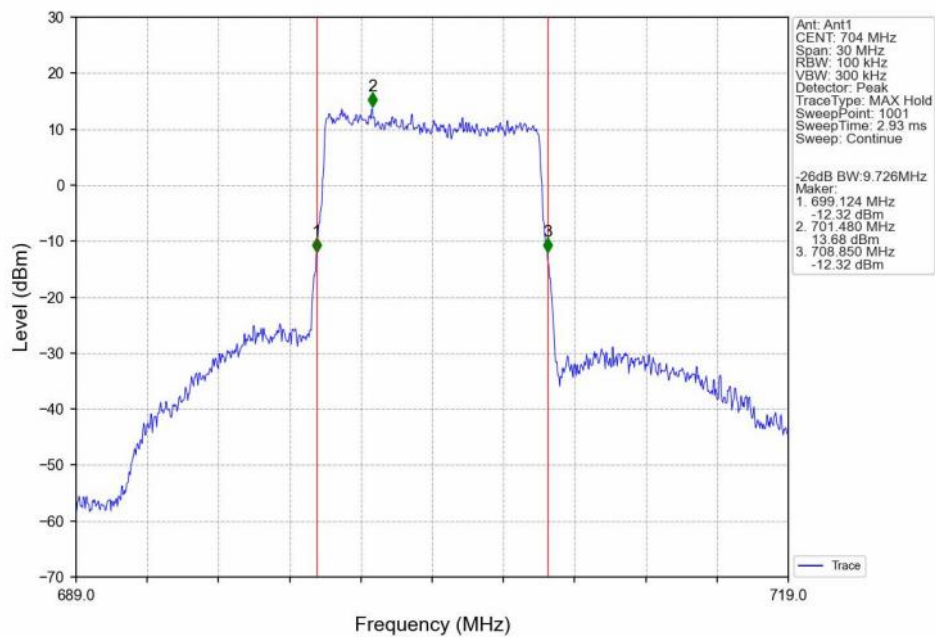
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



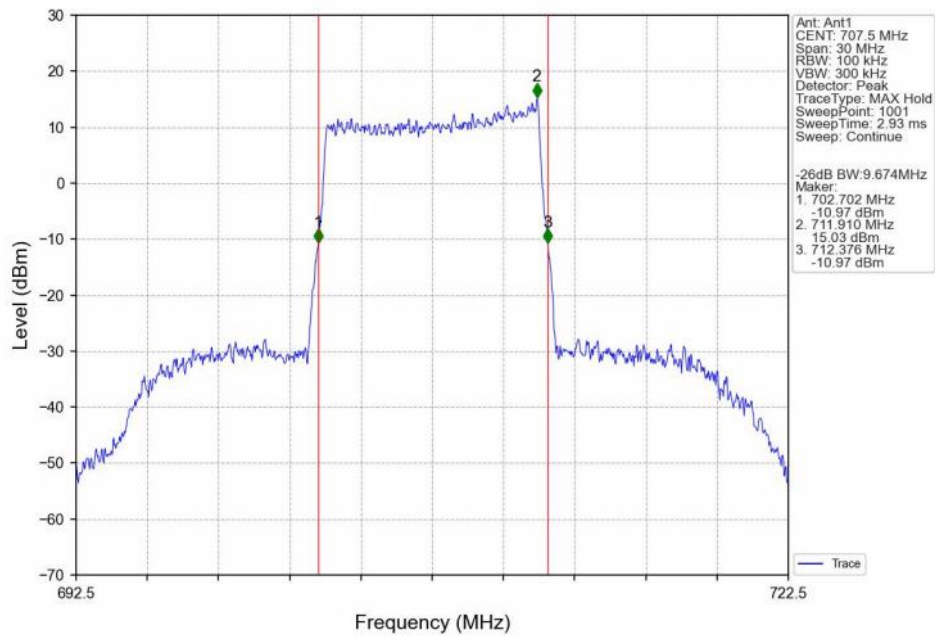
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



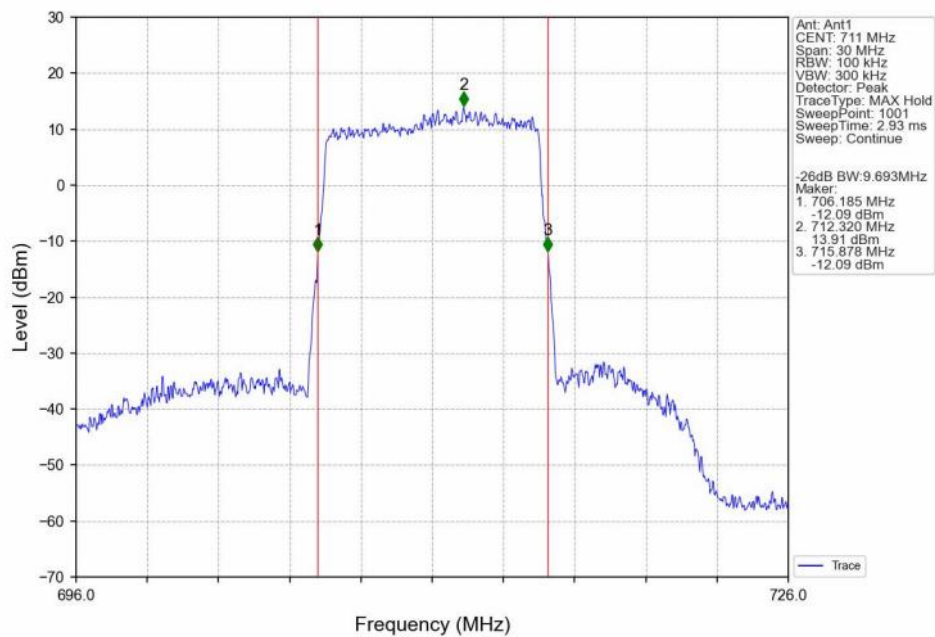
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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	5.31	≤ 13	Pass
	707.5	6	0	5.49	≤ 13	Pass
	715.3	6	0	5.29	≤ 13	Pass
16QAM	699.7	6	0	6.05	≤ 13	Pass
	707.5	6	0	6.16	≤ 13	Pass
	715.3	6	0	6.01	≤ 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	5.38	≤ 13	Pass
	707.5	15	0	5.52	≤ 13	Pass
	714.5	15	0	5.44	≤ 13	Pass
16QAM	700.5	15	0	6.19	≤ 13	Pass
	707.5	15	0	6.32	≤ 13	Pass
	714.5	15	0	6.24	≤ 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	5.43	≤ 13	Pass
	707.5	25	0	5.69	≤ 13	Pass
	713.5	25	0	5.49	≤ 13	Pass
16QAM	701.5	25	0	6.21	≤ 13	Pass
	707.5	25	0	6.35	≤ 13	Pass
	713.5	25	0	6.19	≤ 13	Pass

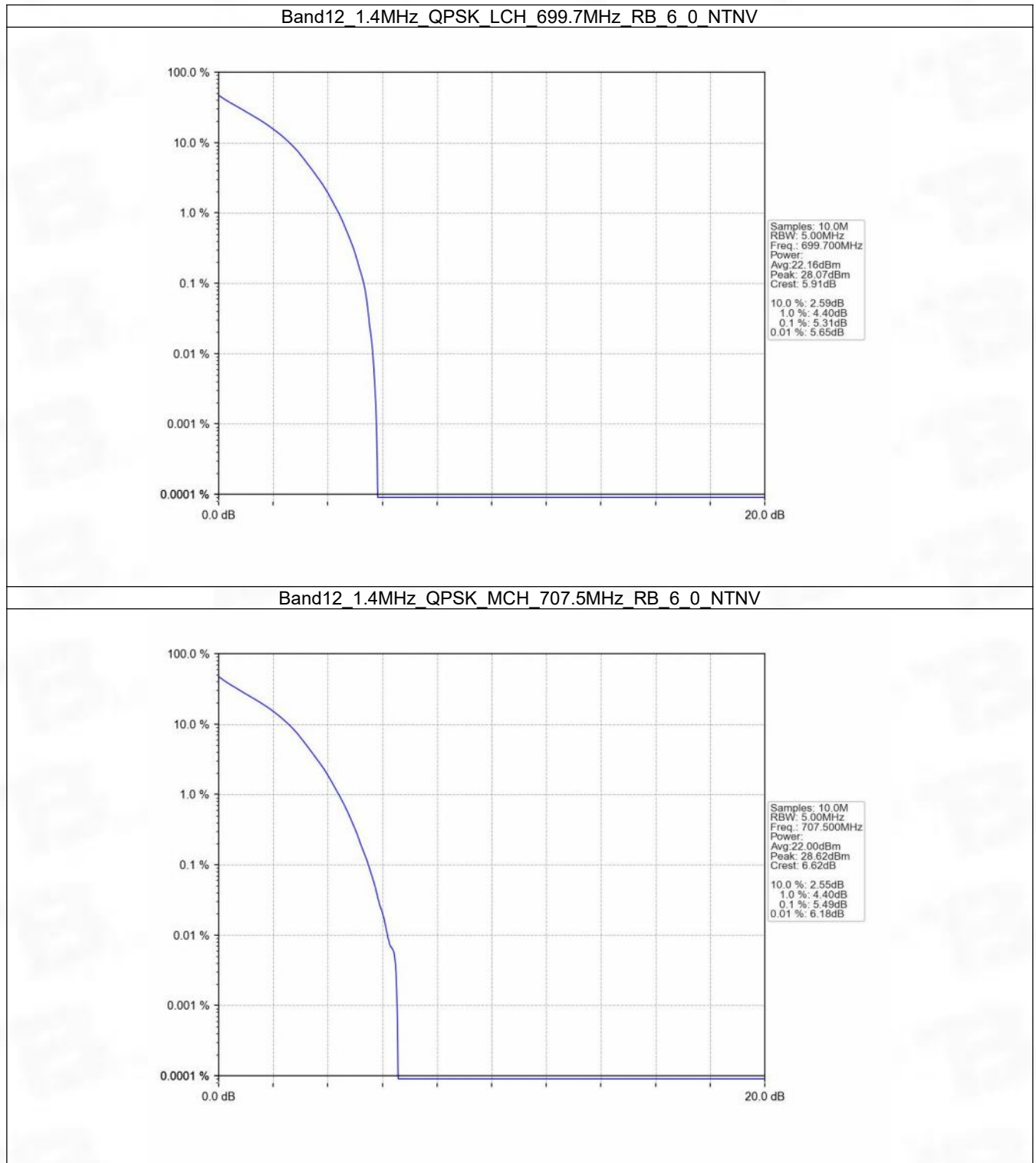
5.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.73	≤ 13	Pass
	707.5	50	0	5.83	≤ 13	Pass
	711	50	0	5.48	≤ 13	Pass
16QAM	704	50	0	6.43	≤ 13	Pass
	707.5	50	0	6.52	≤ 13	Pass

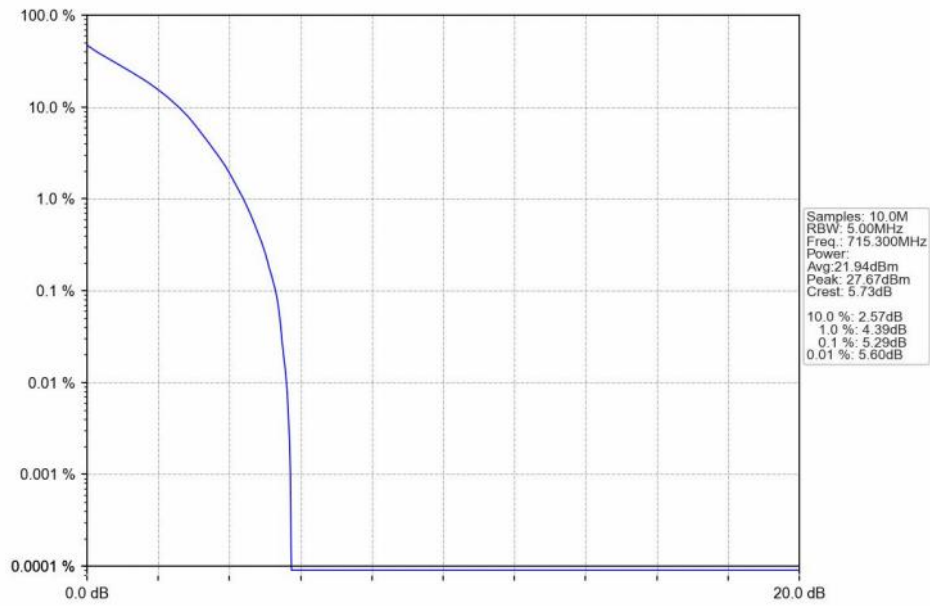
	711	50	0	6.23	<=13	Pass
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5.2 Test Graph

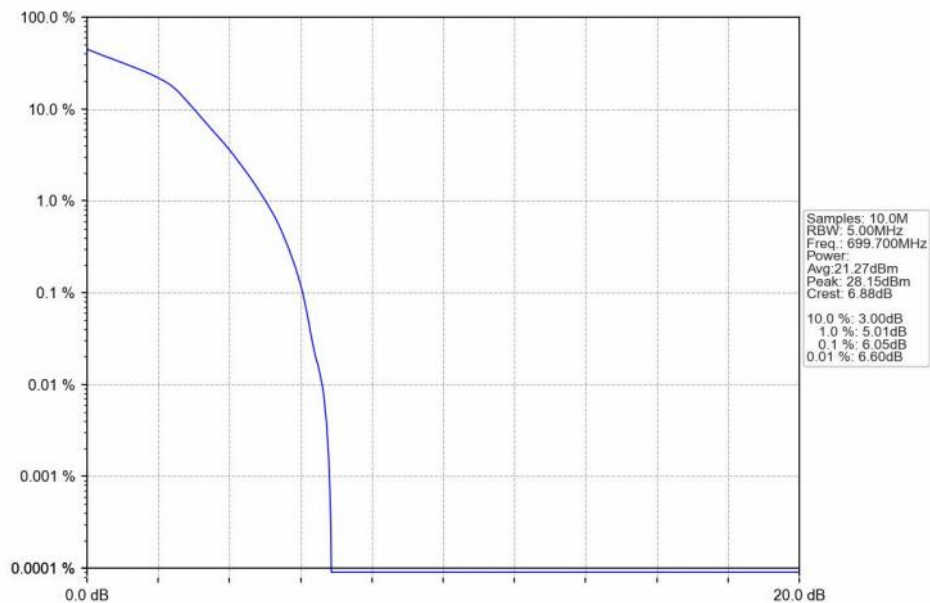
5.2.1 B12_1.4MHz



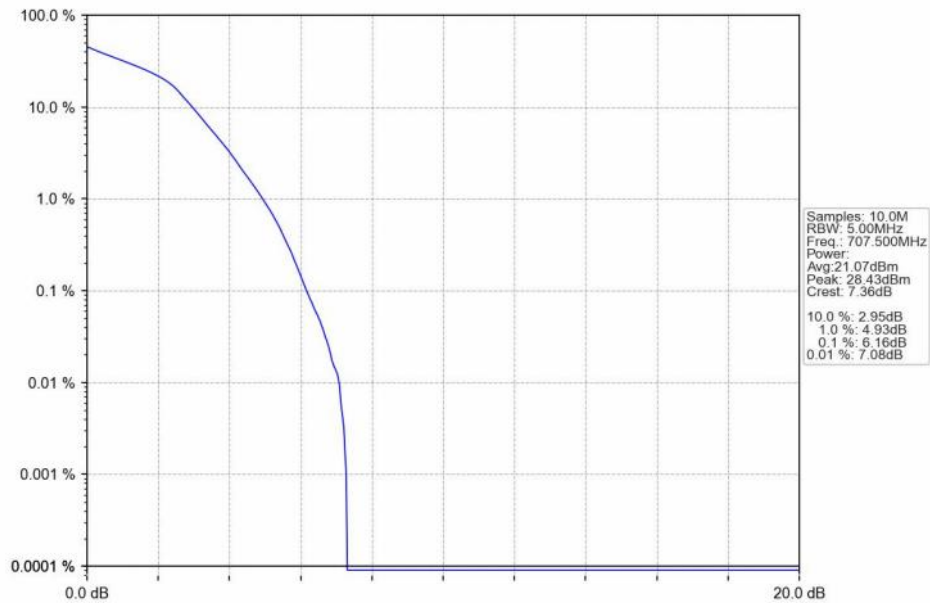
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



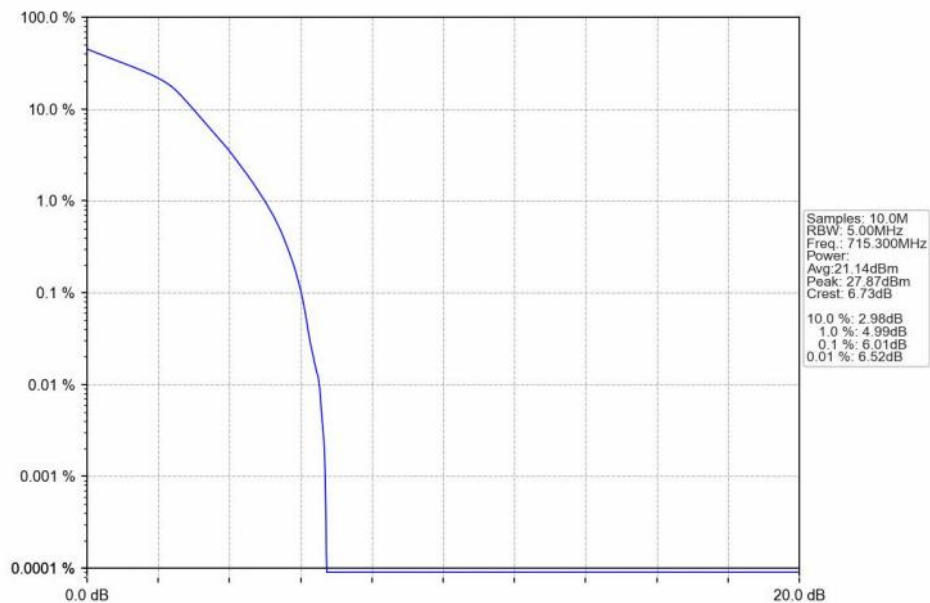
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



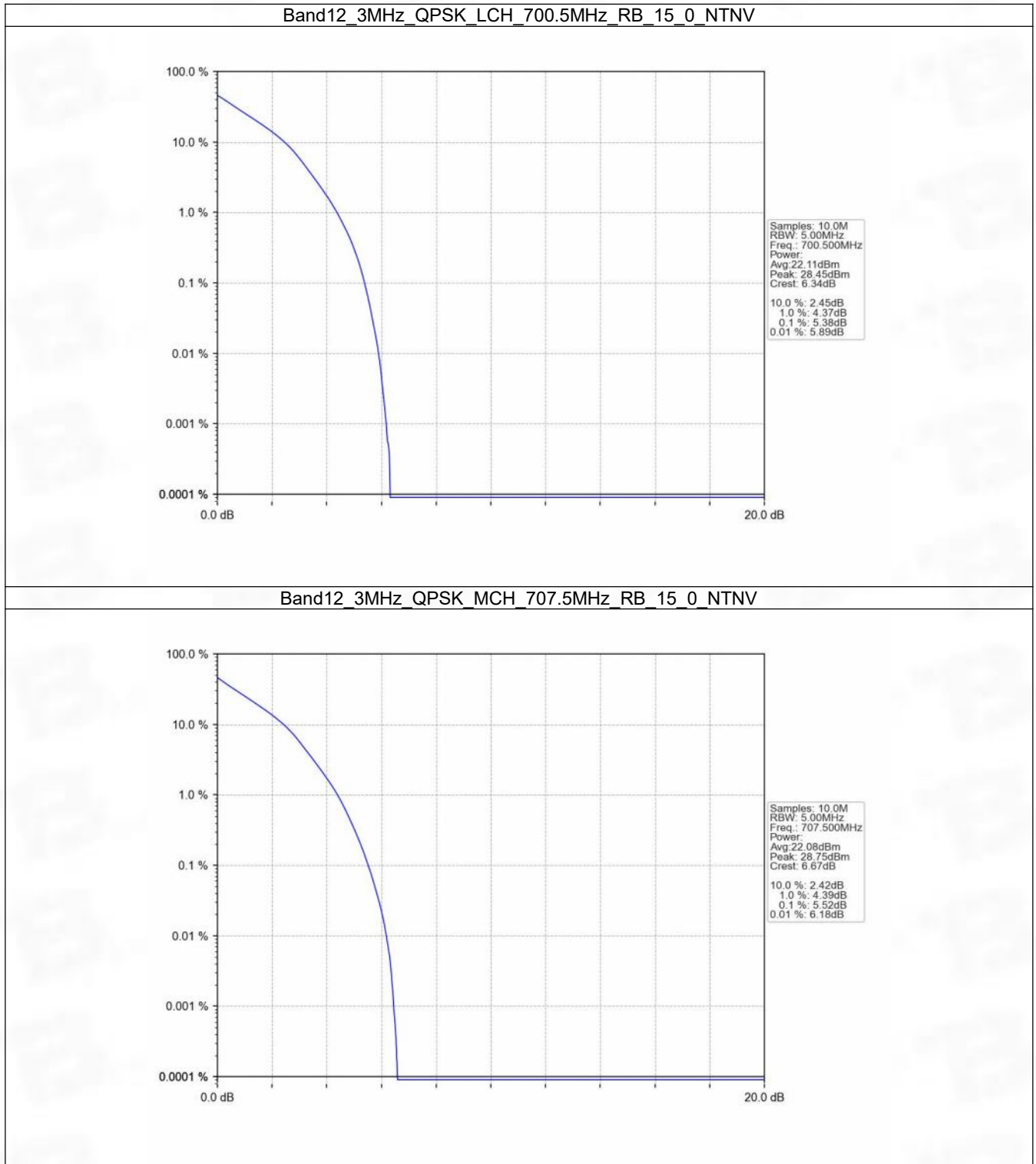
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



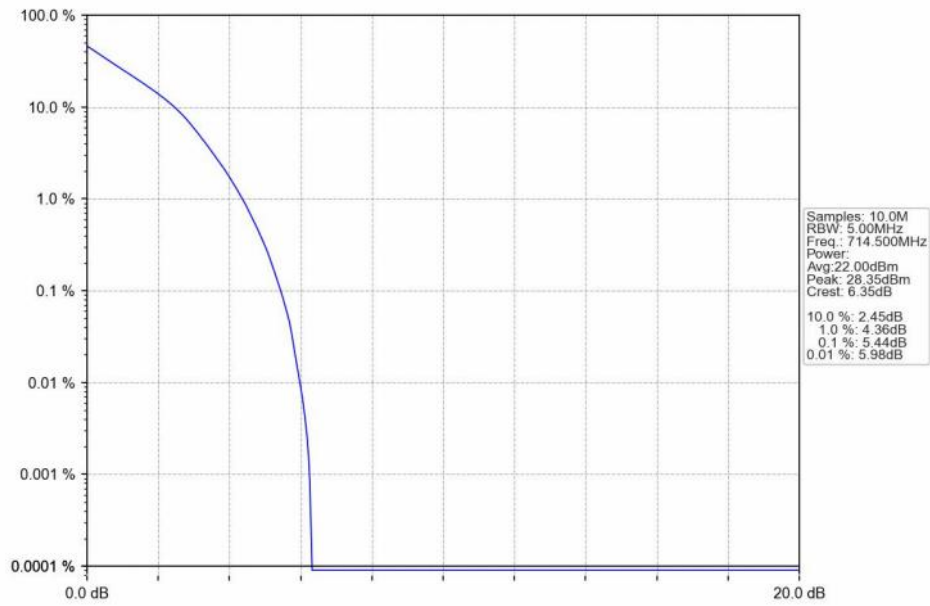
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



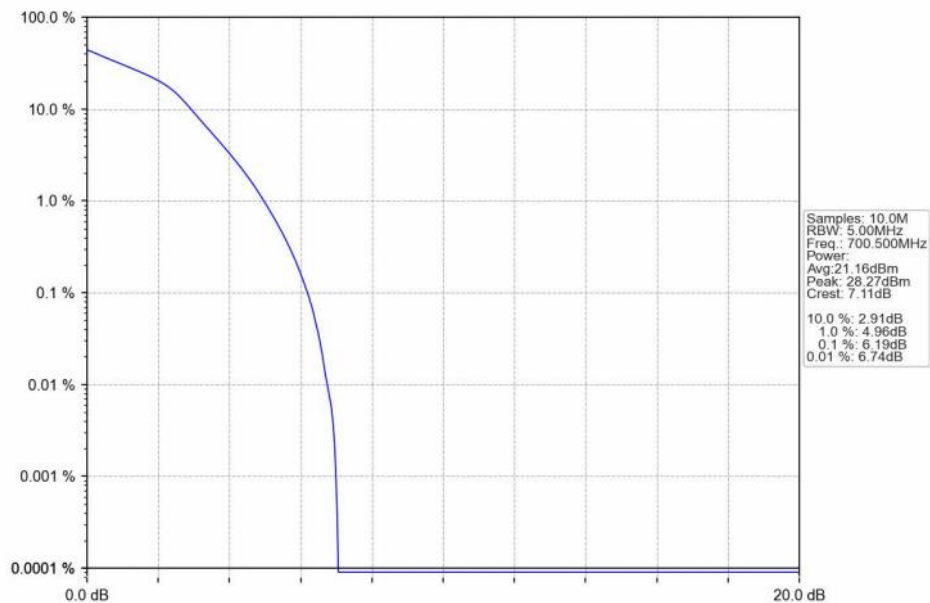
5.2.2 B12_3MHz



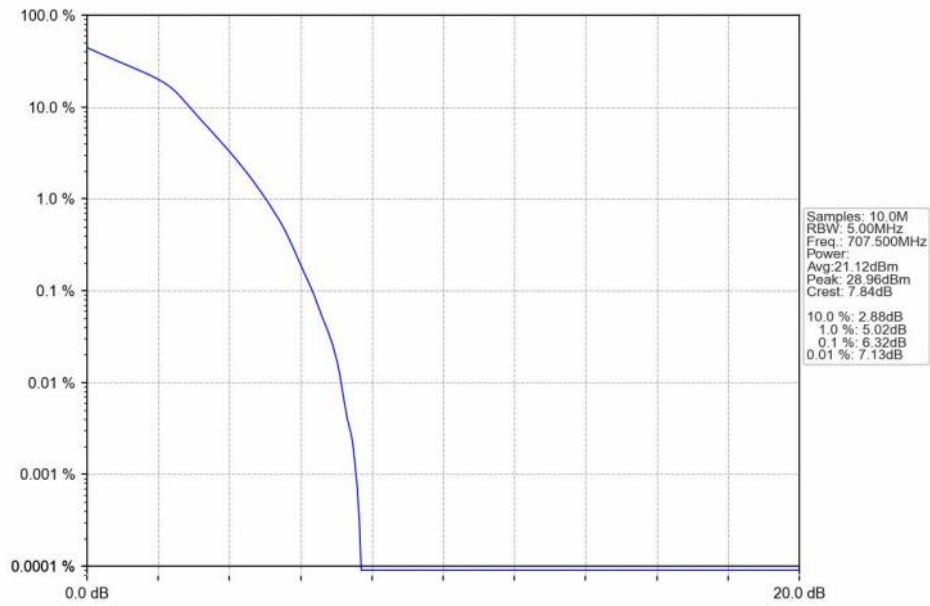
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



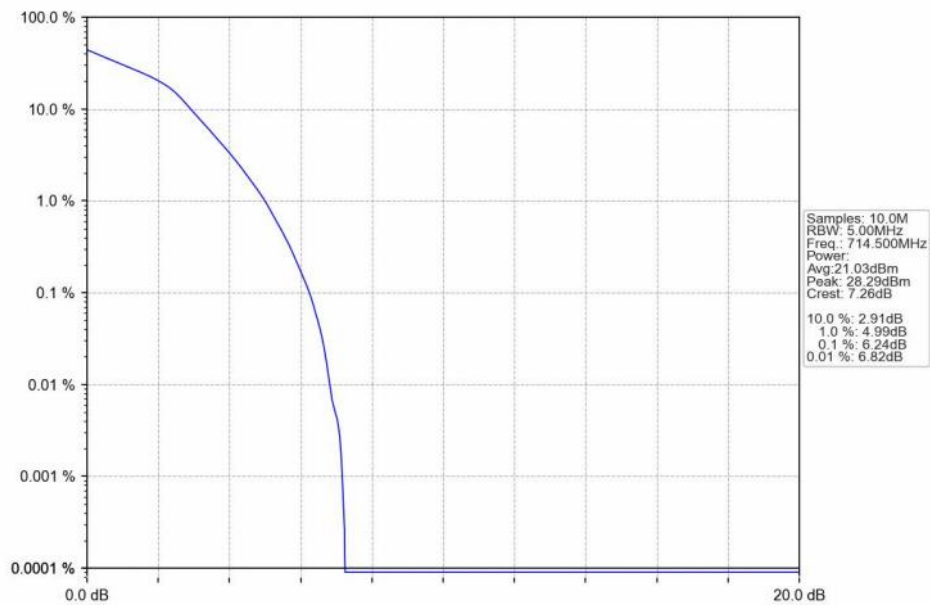
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



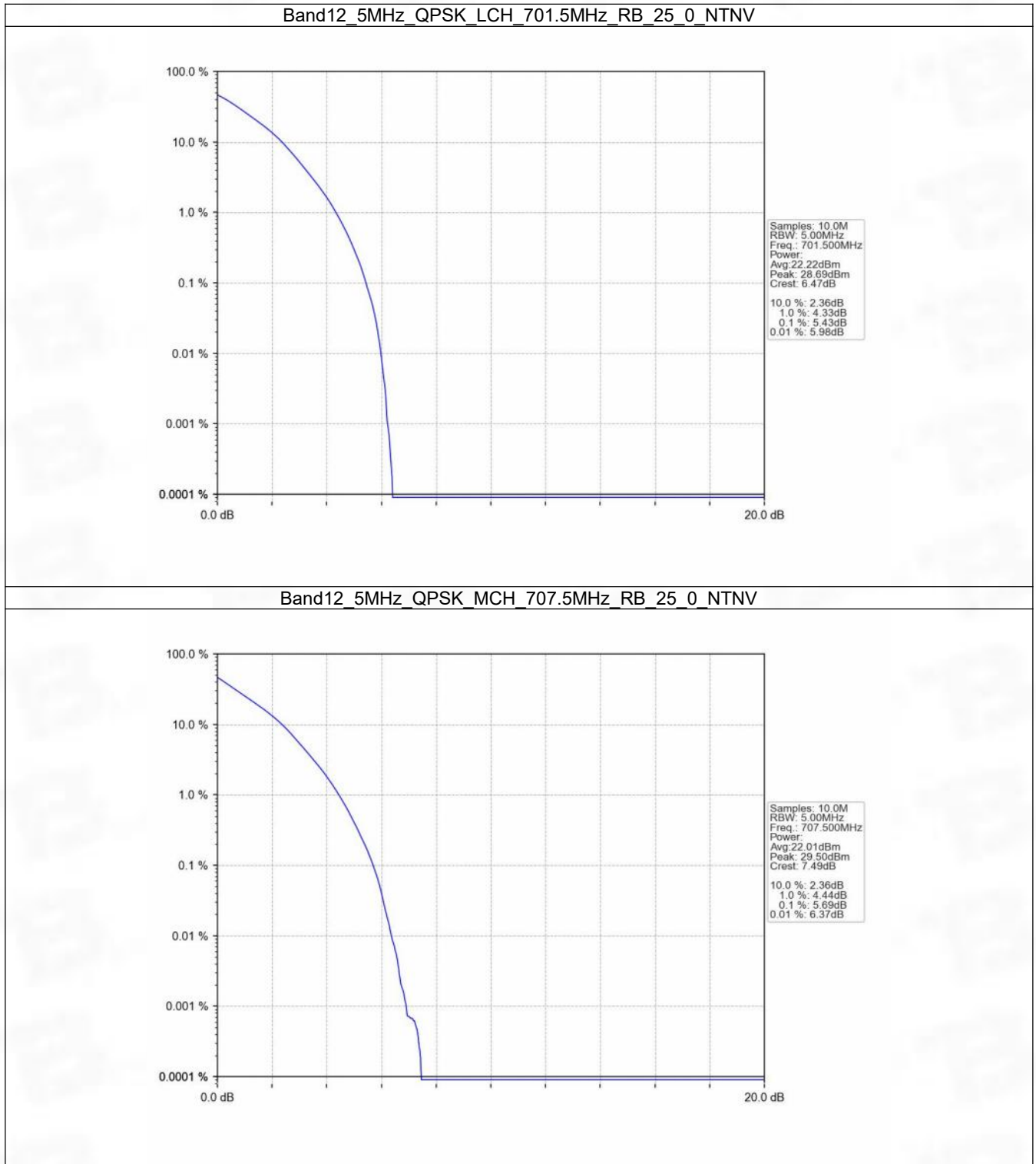
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



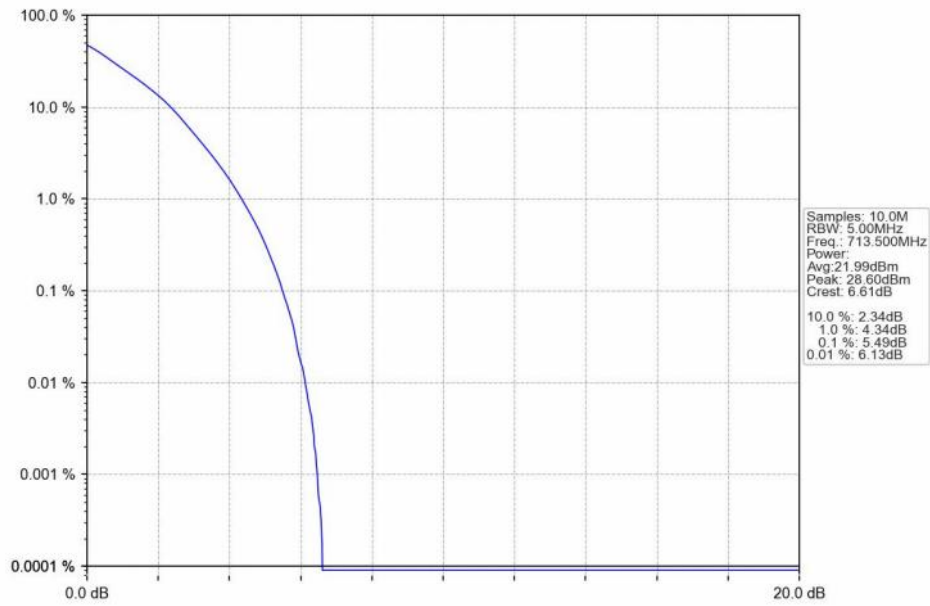
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



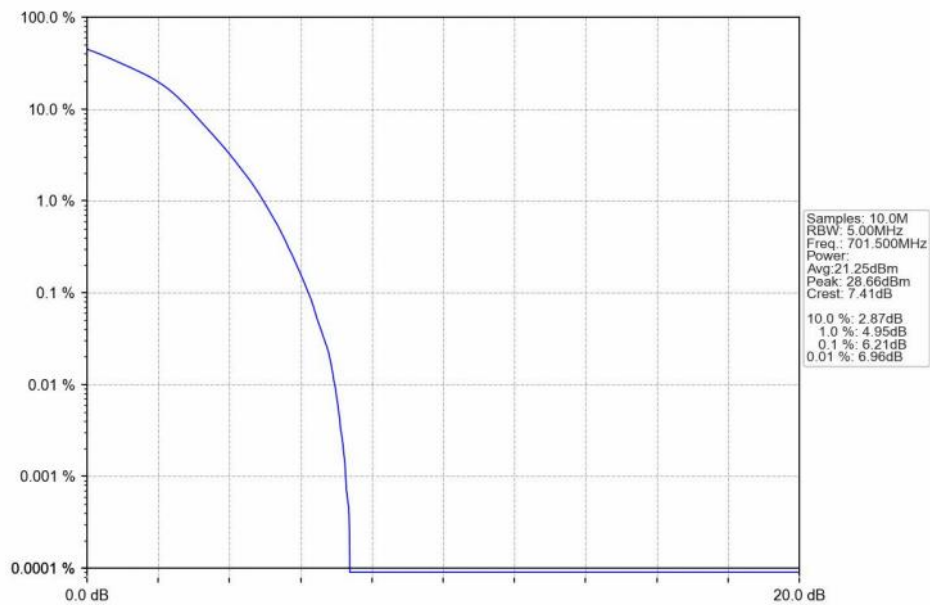
5.2.3 B12_5MHz



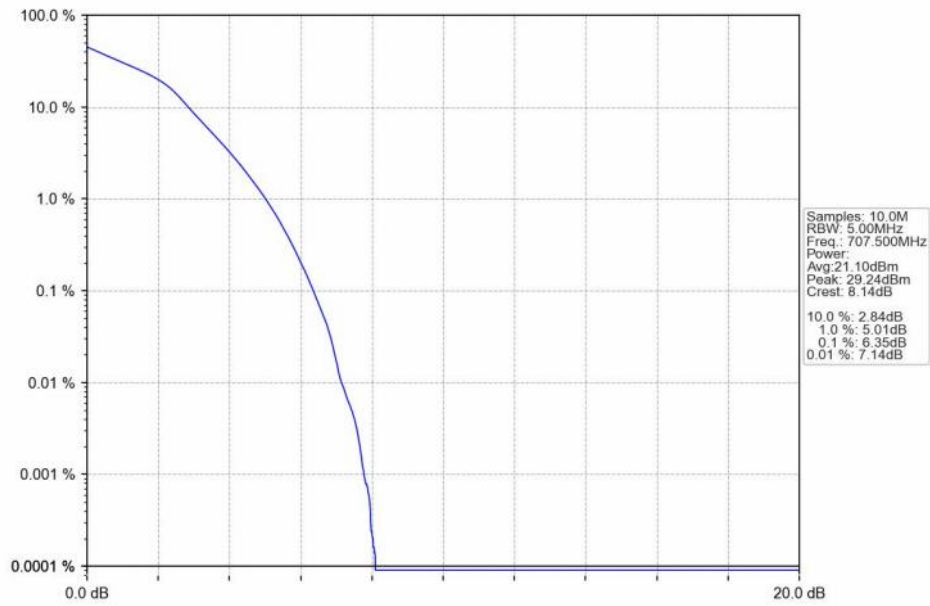
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



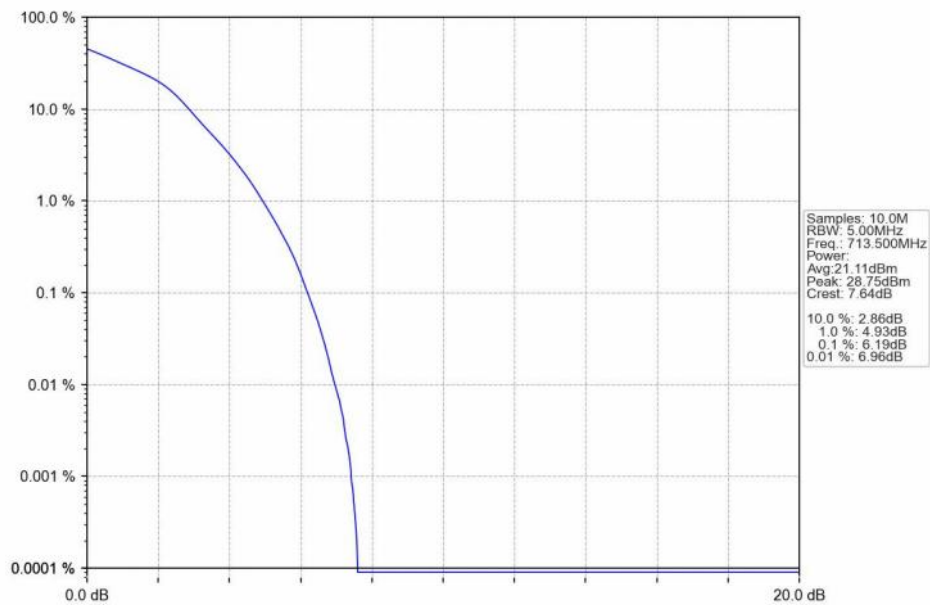
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



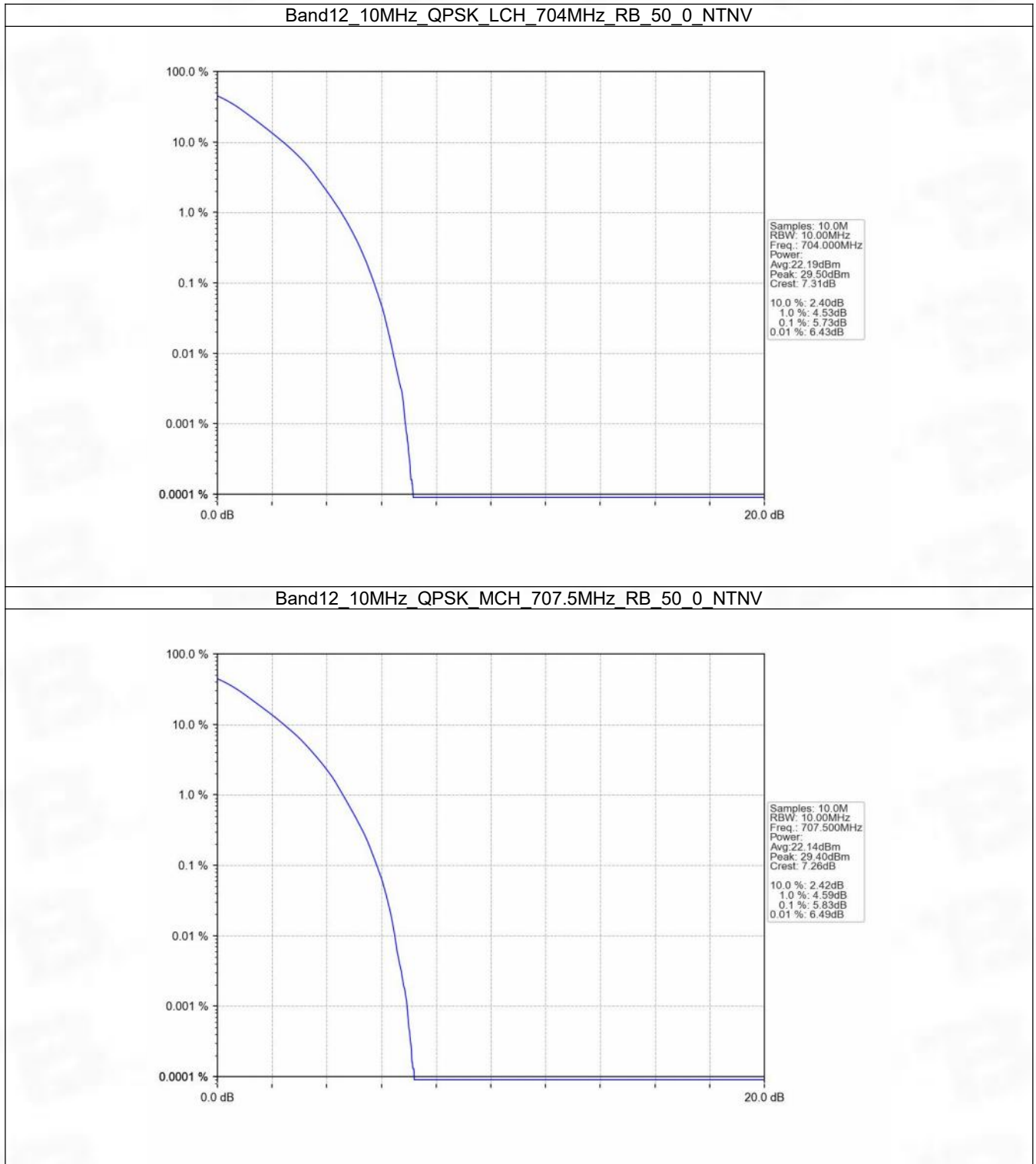
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



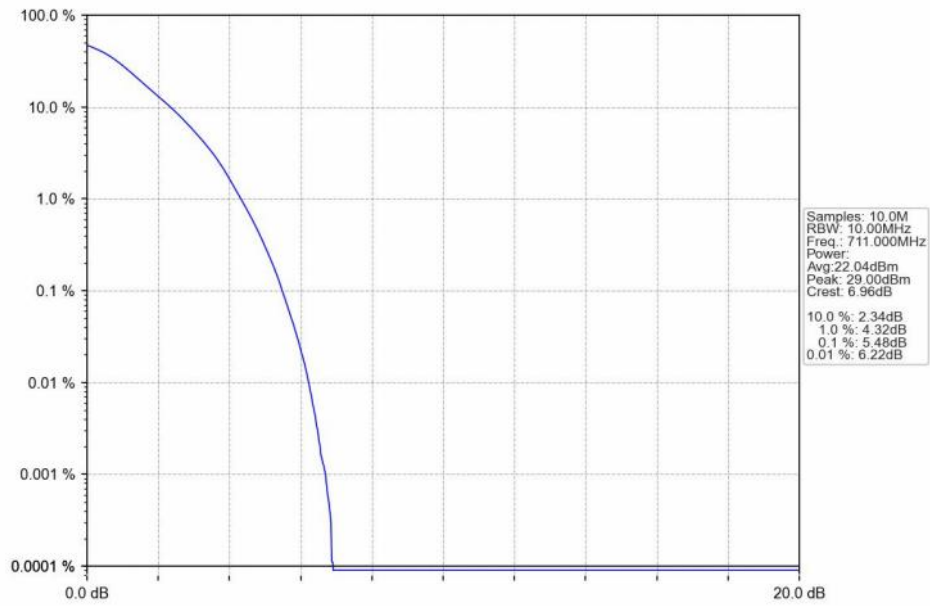
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



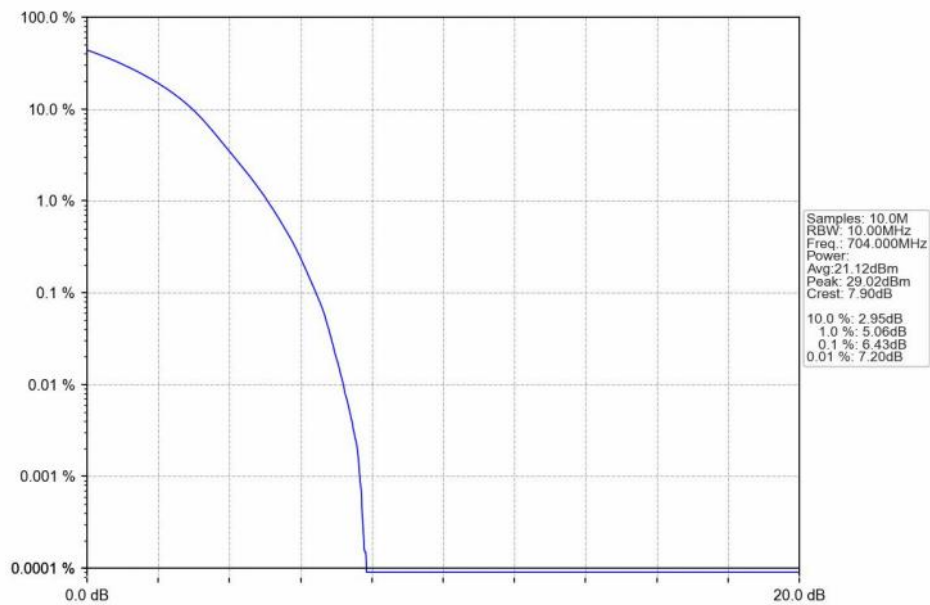
5.2.4 B12_10MHz



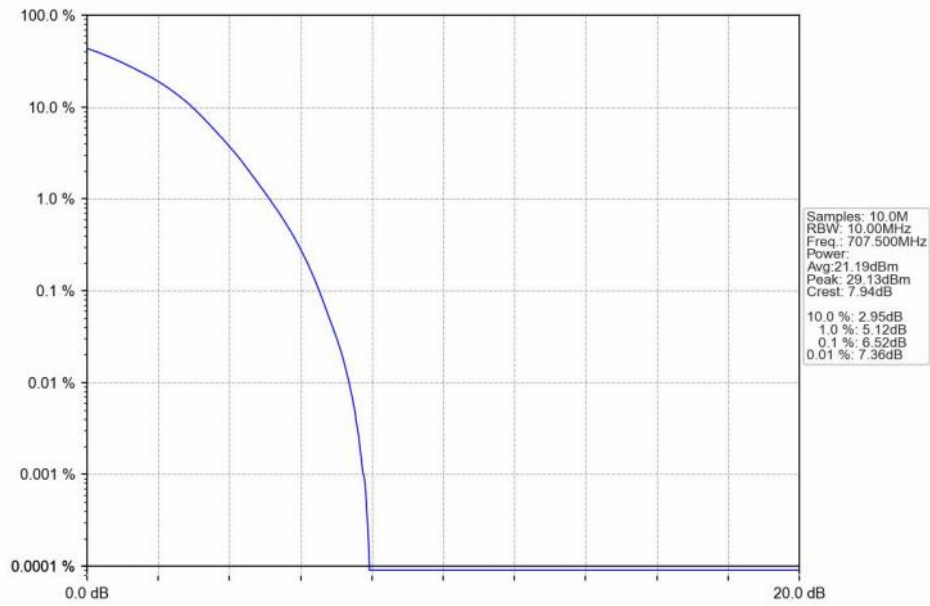
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



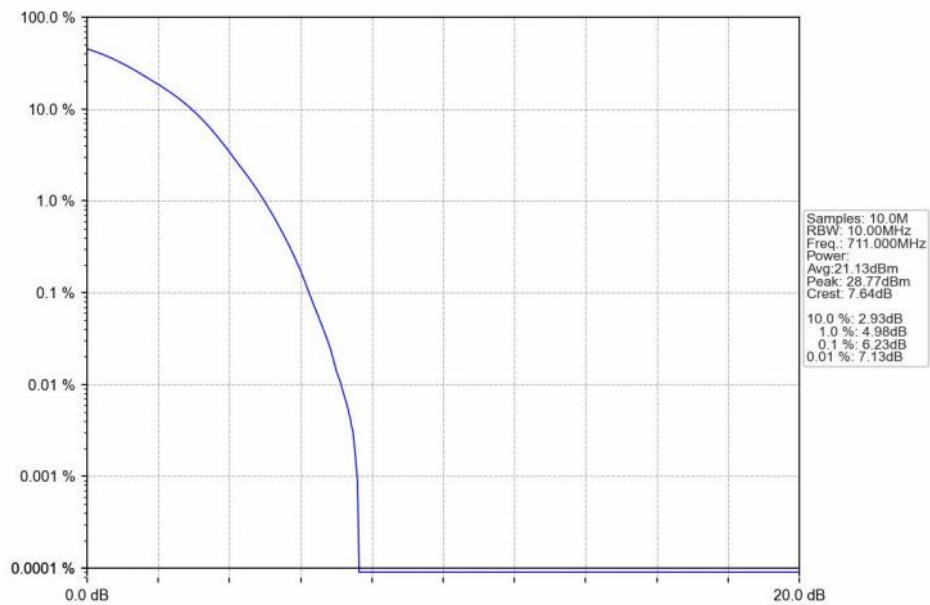
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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	
		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
		1	0	Refer To Test Graph	Pass
	715.3	1	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
		1	0	Refer To Test Graph	Pass
	715.3	1	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	
		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
		1	0	Refer To Test Graph	Pass
	714.5	1	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
		1	0	Refer To Test Graph	Pass
	714.5	1	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	
		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
		1	0	Refer To Test Graph	Pass
	713.5	1	24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	701.5	1	0	Refer To Test Graph	Pass

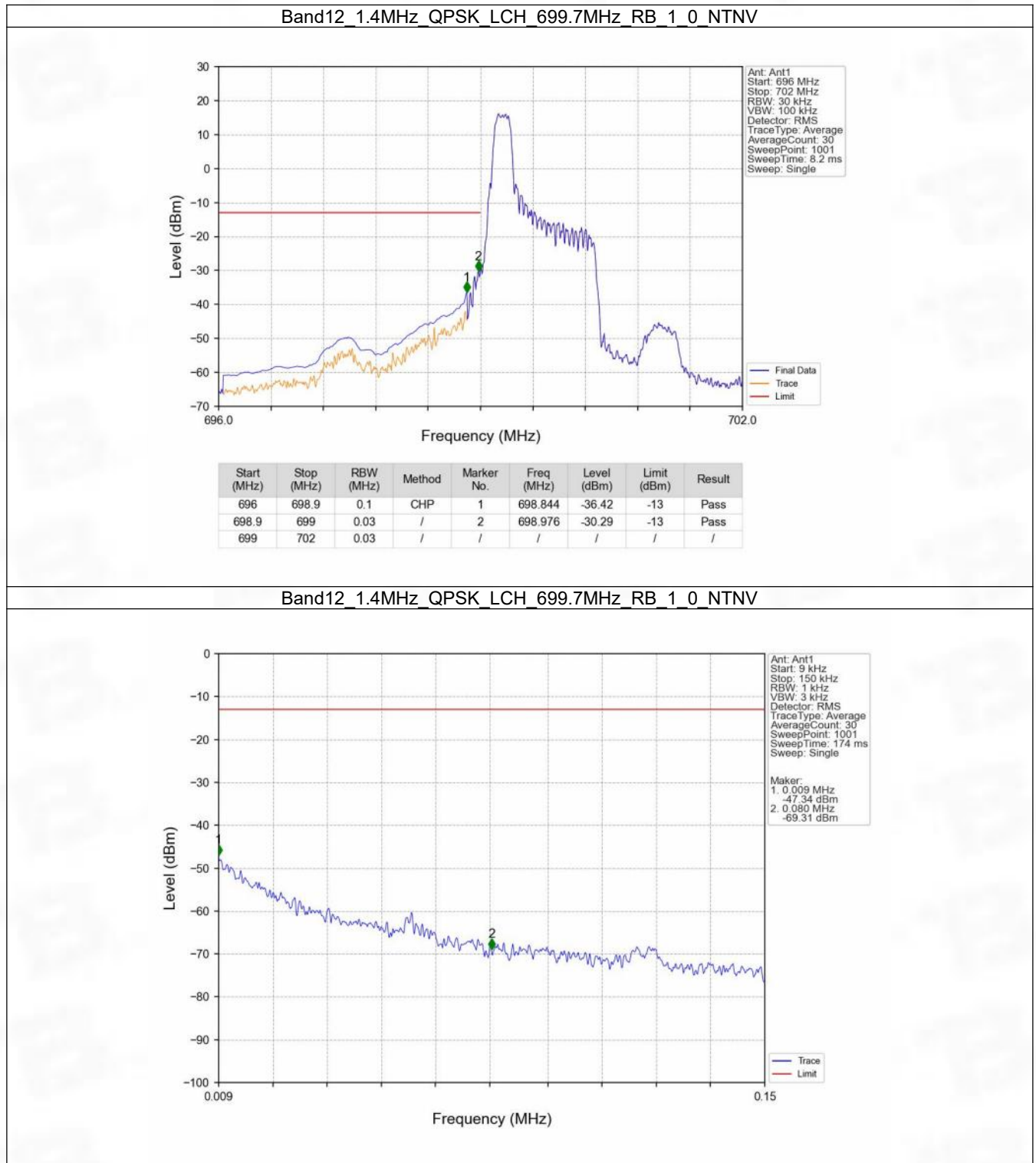
	707.5	25	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B12_10MHz

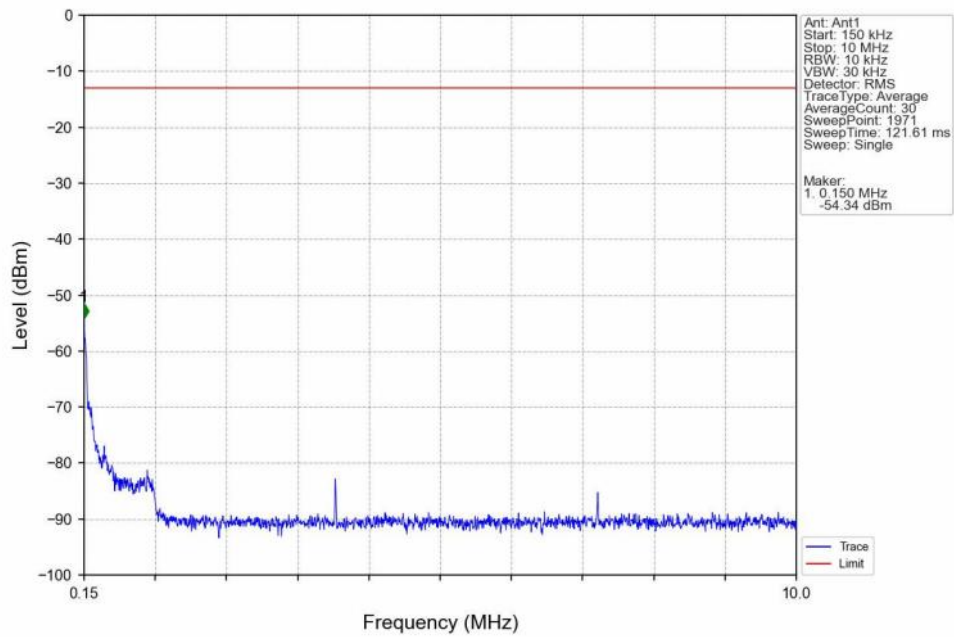
Band: 12 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	704	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
	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

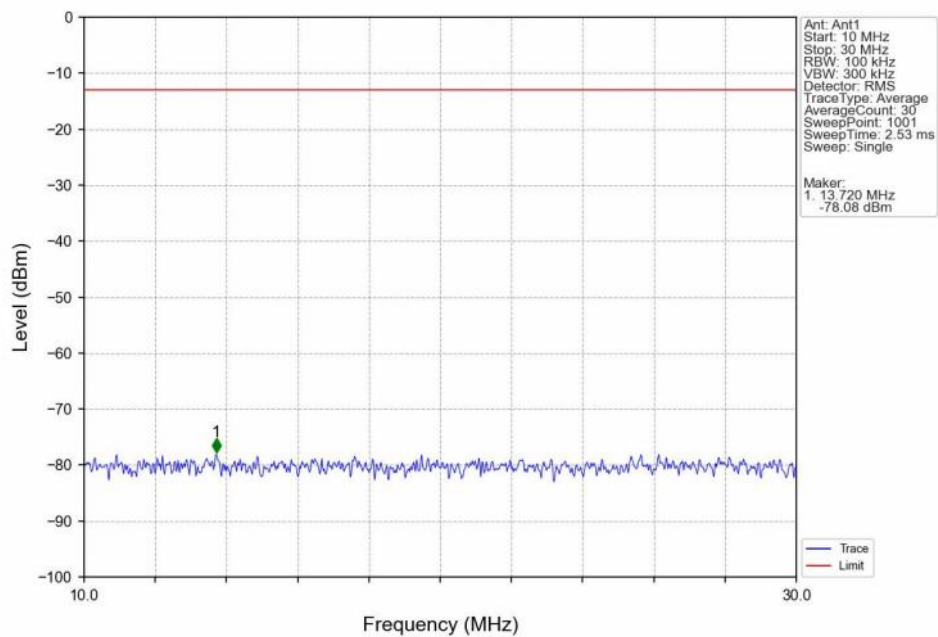
6.2.1 B12_1.4MHz



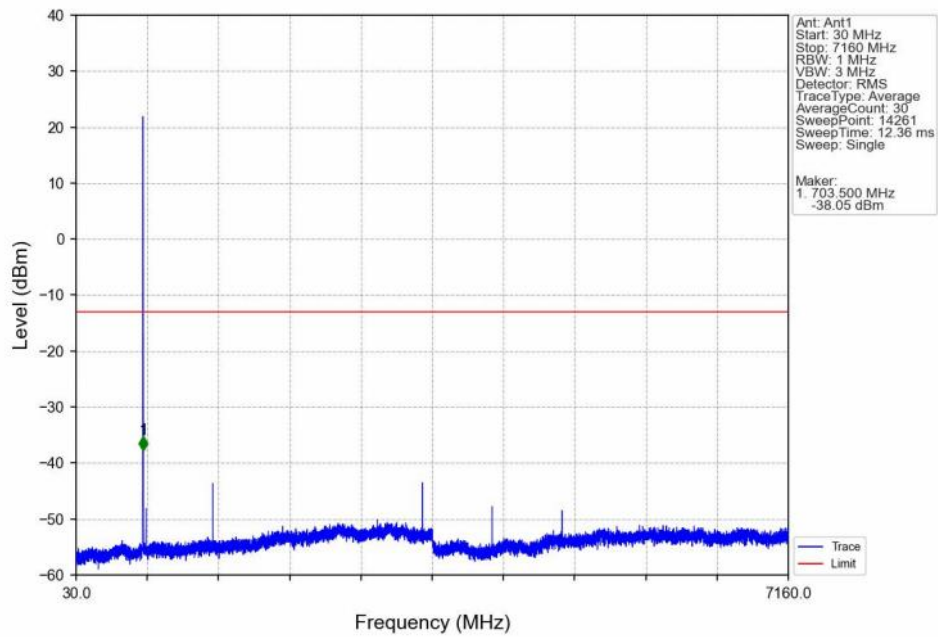
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



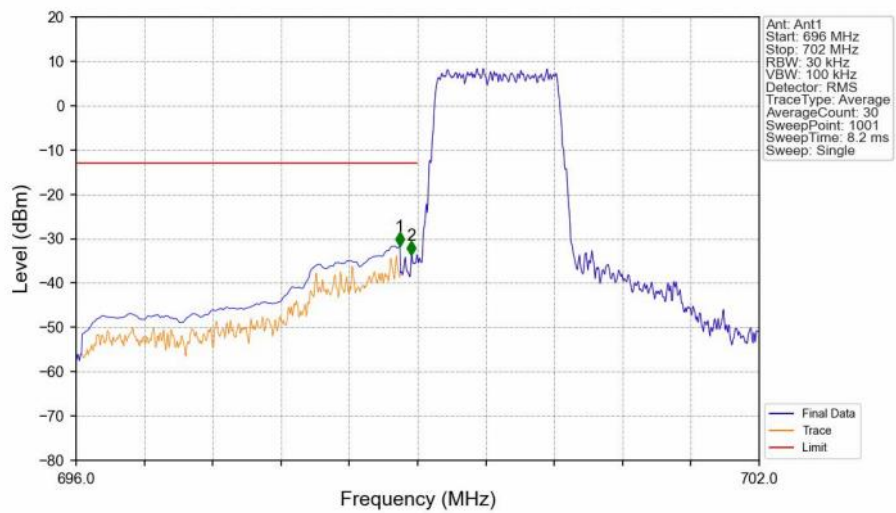
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

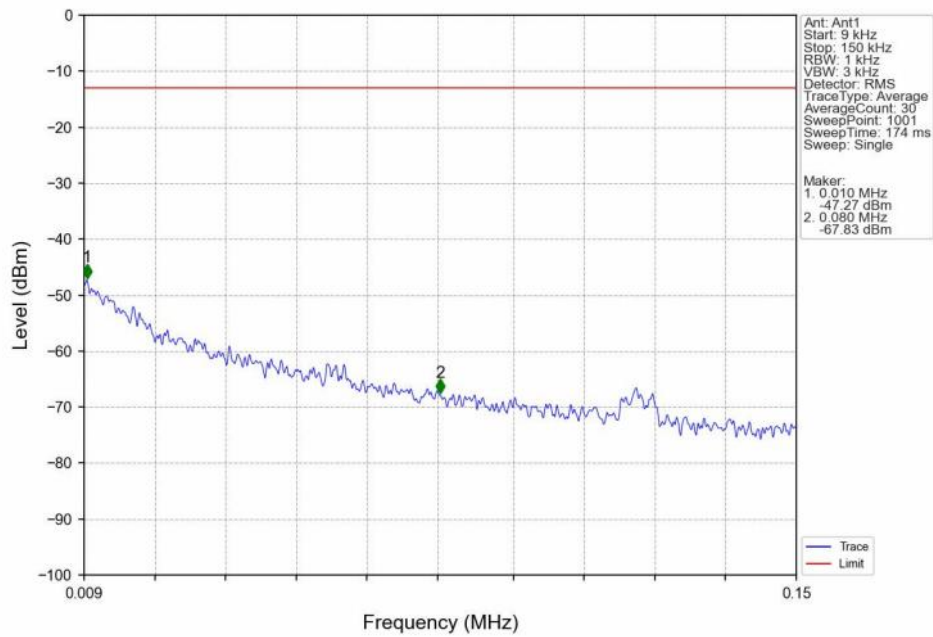


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-31.61	-13	Pass
698.9	699	0.03	/	2	698.946	-33.60	-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

