

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	22.78	-0.81	19.82	<=34.77	Pass
			2	22.87	-0.81	19.91	<=34.77	Pass
			5	22.79	-0.81	19.83	<=34.77	Pass
		3	0	22.82	-0.81	19.86	<=34.77	Pass
			2	22.85	-0.81	19.89	<=34.77	Pass
			3	22.81	-0.81	19.85	<=34.77	Pass
		6	0	21.85	-0.81	18.89	<=34.77	Pass
	707.5	1	0	22.98	-0.81	20.02	<=34.77	Pass
			2	23.06	-0.81	20.10	<=34.77	Pass
			5	23.00	-0.81	20.04	<=34.77	Pass
		3	0	23.03	-0.81	20.07	<=34.77	Pass
			2	23.06	-0.81	20.10	<=34.77	Pass
			3	23.01	-0.81	20.05	<=34.77	Pass
		6	0	22.05	-0.81	19.09	<=34.77	Pass
	715.3	1	0	23.06	-0.81	20.10	<=34.77	Pass
			2	23.18	-0.81	20.22	<=34.77	Pass
			5	23.07	-0.81	20.11	<=34.77	Pass
		3	0	23.05	-0.81	20.09	<=34.77	Pass
			2	23.04	-0.81	20.08	<=34.77	Pass
			3	23.05	-0.81	20.09	<=34.77	Pass
		6	0	22.07	-0.81	19.11	<=34.77	Pass
16QAM	699.7	1	0	21.84	-0.81	18.88	<=34.77	Pass
			2	21.98	-0.81	19.02	<=34.77	Pass
			5	21.91	-0.81	18.95	<=34.77	Pass
		3	0	21.76	-0.81	18.80	<=34.77	Pass
			2	21.80	-0.81	18.84	<=34.77	Pass
			3	21.83	-0.81	18.87	<=34.77	Pass
		6	0	20.81	-0.81	17.85	<=34.77	Pass
	707.5	1	0	21.95	-0.81	18.99	<=34.77	Pass
			2	22.06	-0.81	19.10	<=34.77	Pass
			5	21.97	-0.81	19.01	<=34.77	Pass
		3	0	22.20	-0.81	19.24	<=34.77	Pass
			2	22.28	-0.81	19.32	<=34.77	Pass
			3	22.23	-0.81	19.27	<=34.77	Pass
		6	0	21.03	-0.81	18.07	<=34.77	Pass
	715.3	1	0	21.97	-0.81	19.01	<=34.77	Pass
			2	22.11	-0.81	19.15	<=34.77	Pass
			5	22.02	-0.81	19.06	<=34.77	Pass
		3	0	22.11	-0.81	19.15	<=34.77	Pass
			2	22.13	-0.81	19.17	<=34.77	Pass
			3	22.06	-0.81	19.10	<=34.77	Pass
		6	0	21.01	-0.81	18.05	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTNV								
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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	22.82	-0.81	19.86	<=34.77	Pass
			7	22.98	-0.81	20.02	<=34.77	Pass
			14	22.90	-0.81	19.94	<=34.77	Pass
		8	0	21.85	-0.81	18.89	<=34.77	Pass
			4	21.91	-0.81	18.95	<=34.77	Pass
			7	21.87	-0.81	18.91	<=34.77	Pass
		15	0	21.84	-0.81	18.88	<=34.77	Pass
	707.5	1	0	22.76	-0.81	19.80	<=34.77	Pass
			7	22.65	-0.81	19.69	<=34.77	Pass
			14	22.54	-0.81	19.58	<=34.77	Pass
		8	0	21.53	-0.81	18.57	<=34.77	Pass
			4	21.61	-0.81	18.65	<=34.77	Pass
			7	21.57	-0.81	18.61	<=34.77	Pass
		15	0	21.54	-0.81	18.58	<=34.77	Pass
	714.5	1	0	22.67	-0.81	19.71	<=34.77	Pass
			7	22.80	-0.81	19.84	<=34.77	Pass
			14	22.70	-0.81	19.74	<=34.77	Pass
		8	0	21.67	-0.81	18.71	<=34.77	Pass
			4	21.70	-0.81	18.74	<=34.77	Pass
			7	21.62	-0.81	18.66	<=34.77	Pass
		15	0	21.59	-0.81	18.63	<=34.77	Pass
16QAM	700.5	1	0	21.97	-0.81	19.01	<=34.77	Pass
			7	21.99	-0.81	19.03	<=34.77	Pass
			14	21.85	-0.81	18.89	<=34.77	Pass
		8	0	20.51	-0.81	17.55	<=34.77	Pass
			4	20.71	-0.81	17.75	<=34.77	Pass
			7	20.58	-0.81	17.62	<=34.77	Pass
		15	0	20.63	-0.81	17.67	<=34.77	Pass
	707.5	1	0	22.06	-0.81	19.10	<=34.77	Pass
			7	22.23	-0.81	19.27	<=34.77	Pass
			14	22.08	-0.81	19.12	<=34.77	Pass
		8	0	20.66	-0.81	17.70	<=34.77	Pass
			4	20.74	-0.81	17.78	<=34.77	Pass
			7	20.71	-0.81	17.75	<=34.77	Pass
		15	0	20.57	-0.81	17.61	<=34.77	Pass
	714.5	1	0	21.67	-0.81	18.71	<=34.77	Pass
			7	21.78	-0.81	18.82	<=34.77	Pass
			14	21.63	-0.81	18.67	<=34.77	Pass
		8	0	20.65	-0.81	17.69	<=34.77	Pass
			4	20.71	-0.81	17.75	<=34.77	Pass
			7	20.66	-0.81	17.70	<=34.77	Pass
		15	0	20.62	-0.81	17.66	<=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	22.62	-0.81	19.66	<=34.77	Pass
			13	22.82	-0.81	19.86	<=34.77	Pass
			24	22.83	-0.81	19.87	<=34.77	Pass
		12	0	21.65	-0.81	18.69	<=34.77	Pass
			6	21.59	-0.81	18.63	<=34.77	Pass
			13	21.36	-0.81	18.40	<=34.77	Pass

	707.5	25	0	21.23	-0.81	18.27	<=34.77	Pass	
			0	22.31	-0.81	19.35	<=34.77	Pass	
		1	13	22.50	-0.81	19.54	<=34.77	Pass	
			24	22.43	-0.81	19.47	<=34.77	Pass	
			0	21.39	-0.81	18.43	<=34.77	Pass	
		12	6	21.49	-0.81	18.53	<=34.77	Pass	
			13	21.47	-0.81	18.51	<=34.77	Pass	
			25	0	21.48	-0.81	18.52	<=34.77	Pass
		713.5	1	0	22.41	-0.81	19.45	<=34.77	Pass
				13	22.55	-0.81	19.59	<=34.77	Pass
	24			22.45	-0.81	19.49	<=34.77	Pass	
	12		0	21.47	-0.81	18.51	<=34.77	Pass	
			6	21.53	-0.81	18.57	<=34.77	Pass	
			13	21.43	-0.81	18.47	<=34.77	Pass	
	25		0	21.47	-0.81	18.51	<=34.77	Pass	
	16QAM		701.5	1	0	21.21	-0.81	18.25	<=34.77
13		21.42			-0.81	18.46	<=34.77	Pass	
24		21.36			-0.81	18.40	<=34.77	Pass	
12		0		20.11	-0.81	17.15	<=34.77	Pass	
		6		20.28	-0.81	17.32	<=34.77	Pass	
		13		20.25	-0.81	17.29	<=34.77	Pass	
25		0		20.20	-0.81	17.24	<=34.77	Pass	
707.5		1		0	21.57	-0.81	18.61	<=34.77	Pass
			13	21.74	-0.81	18.78	<=34.77	Pass	
			24	21.68	-0.81	18.72	<=34.77	Pass	
		12	0	20.43	-0.81	17.47	<=34.77	Pass	
			6	20.51	-0.81	17.55	<=34.77	Pass	
			13	20.50	-0.81	17.54	<=34.77	Pass	
		25	0	20.44	-0.81	17.48	<=34.77	Pass	
713.5		1	0	21.28	-0.81	18.32	<=34.77	Pass	
			13	21.40	-0.81	18.44	<=34.77	Pass	
			24	21.29	-0.81	18.33	<=34.77	Pass	
		12	0	20.43	-0.81	17.47	<=34.77	Pass	
			6	20.53	-0.81	17.57	<=34.77	Pass	
			13	20.43	-0.81	17.47	<=34.77	Pass	
		25	0	20.45	-0.81	17.49	<=34.77	Pass	

Note1: ERP=Conducted Power+Antenna Gain-2.15

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	22.67	-0.81	19.71	<=34.77	Pass
			25	23.13	-0.81	20.17	<=34.77	Pass
			49	22.48	-0.81	19.52	<=34.77	Pass
		25	0	21.36	-0.81	18.40	<=34.77	Pass
			13	21.43	-0.81	18.47	<=34.77	Pass
			25	21.53	-0.81	18.57	<=34.77	Pass
		50	0	21.41	-0.81	18.45	<=34.77	Pass
			0	22.19	-0.81	19.23	<=34.77	Pass
			25	22.64	-0.81	19.68	<=34.77	Pass
		707.5	49	22.46	-0.81	19.50	<=34.77	Pass
			0	21.50	-0.81	18.54	<=34.77	Pass
			13	21.55	-0.81	18.59	<=34.77	Pass
	707.5	25	25	21.66	-0.81	18.70	<=34.77	Pass
			0	21.61	-0.81	18.65	<=34.77	Pass

16QAM	711	1	0	22.33	-0.81	19.37	<=34.77	Pass
			25	22.66	-0.81	19.70	<=34.77	Pass
			49	22.49	-0.81	19.53	<=34.77	Pass
		25	0	21.43	-0.81	18.47	<=34.77	Pass
			13	21.57	-0.81	18.61	<=34.77	Pass
			25	21.60	-0.81	18.64	<=34.77	Pass
		50	0	21.53	-0.81	18.57	<=34.77	Pass
	704	1	0	21.15	-0.81	18.19	<=34.77	Pass
			25	21.58	-0.81	18.62	<=34.77	Pass
			49	21.46	-0.81	18.50	<=34.77	Pass
		25	0	20.36	-0.81	17.40	<=34.77	Pass
			13	20.47	-0.81	17.51	<=34.77	Pass
			25	20.54	-0.81	17.58	<=34.77	Pass
		50	0	20.40	-0.81	17.44	<=34.77	Pass
	707.5	1	0	21.33	-0.81	18.37	<=34.77	Pass
			25	21.74	-0.81	18.78	<=34.77	Pass
			49	21.60	-0.81	18.64	<=34.77	Pass
		25	0	20.50	-0.81	17.54	<=34.77	Pass
			13	20.53	-0.81	17.57	<=34.77	Pass
			25	20.65	-0.81	17.69	<=34.77	Pass
		50	0	20.58	-0.81	17.62	<=34.77	Pass
	711	1	0	21.91	-0.81	18.95	<=34.77	Pass
			25	22.21	-0.81	19.25	<=34.77	Pass
			49	21.97	-0.81	19.01	<=34.77	Pass
		25	0	20.48	-0.81	17.52	<=34.77	Pass
			13	20.60	-0.81	17.64	<=34.77	Pass
			25	20.61	-0.81	17.65	<=34.77	Pass
		50	0	20.51	-0.81	17.55	<=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	-13.433	-0.0192	-2.5 to 2.5	Pass
					3.85	-6.652	-0.0095	-2.5 to 2.5	Pass
					4.43	-9.470	-0.0135	-2.5 to 2.5	Pass
				-30	3.85	-4.821	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-7.696	-0.0110	-2.5 to 2.5	Pass
				-10	3.85	-5.121	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-5.450	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-7.167	-0.0102	-2.5 to 2.5	Pass
				30	3.85	-5.679	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-5.922	-0.0085	-2.5 to 2.5	Pass
				50	3.85	-8.383	-0.0120	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-7.253	-0.0103	-2.5 to 2.5	Pass
					3.85	-4.320	-0.0061	-2.5 to 2.5	Pass
					4.43	-5.436	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-6.580	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-8.669	-0.0123	-2.5 to 2.5	Pass
				-10	3.85	-5.293	-0.0075	-2.5 to 2.5	Pass

				0	3.85	-3.319	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-7.124	-0.0101	-2.5 to 2.5	Pass
				30	3.85	-4.492	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-13.075	-0.0185	-2.5 to 2.5	Pass
				50	3.85	-6.766	-0.0096	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-10.500	-0.0147	-2.5 to 2.5	Pass
					3.85	-8.354	-0.0117	-2.5 to 2.5	Pass
					4.43	-10.343	-0.0145	-2.5 to 2.5	Pass
					4.43	-10.343	-0.0145	-2.5 to 2.5	Pass
				-30	3.85	-5.779	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-6.251	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-7.882	-0.0110	-2.5 to 2.5	Pass
				0	3.85	-1.116	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-7.381	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-8.712	-0.0122	-2.5 to 2.5	Pass
				40	3.85	-11.029	-0.0154	-2.5 to 2.5	Pass
				50	3.85	-3.819	-0.0053	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-2.131	-0.0030	-2.5 to 2.5	Pass
					3.85	-7.925	-0.0113	-2.5 to 2.5	Pass
					4.43	-7.639	-0.0109	-2.5 to 2.5	Pass
					4.43	-7.639	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-2.546	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-1.903	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-4.334	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-4.950	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-2.975	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-3.276	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-1.788	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-8.855	-0.0127	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-6.809	-0.0096	-2.5 to 2.5	Pass
					3.85	-7.911	-0.0112	-2.5 to 2.5	Pass
					4.43	-9.685	-0.0137	-2.5 to 2.5	Pass
					4.43	-9.685	-0.0137	-2.5 to 2.5	Pass
				-30	3.85	-6.280	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-7.710	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-7.954	-0.0112	-2.5 to 2.5	Pass
				0	3.85	-6.666	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-5.736	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-11.973	-0.0169	-2.5 to 2.5	Pass
				40	3.85	-4.563	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-4.864	-0.0069	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-9.527	-0.0133	-2.5 to 2.5	Pass
					3.85	-5.422	-0.0076	-2.5 to 2.5	Pass
					4.43	-2.432	-0.0034	-2.5 to 2.5	Pass
					4.43	-2.432	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-8.826	-0.0123	-2.5 to 2.5	Pass
				-20	3.85	-4.964	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-5.207	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-7.696	-0.0108	-2.5 to 2.5	Pass
				10	3.85	-1.616	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-6.094	-0.0085	-2.5 to 2.5	Pass
				40	3.85	-5.779	-0.0081	-2.5 to 2.5	Pass
				50	3.85	-6.480	-0.0091	-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	-10.829	-0.0155	-2.5 to 2.5	Pass
					3.85	-7.381	-0.0105	-2.5 to 2.5	Pass

16QAM	707.5	15	0		4.43	-6.995	-0.0100	-2.5 to 2.5	Pass
				-30	3.85	-5.050	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-7.596	-0.0108	-2.5 to 2.5	Pass
				-10	3.85	-8.111	-0.0116	-2.5 to 2.5	Pass
				0	3.85	-9.670	-0.0138	-2.5 to 2.5	Pass
				10	3.85	-7.467	-0.0107	-2.5 to 2.5	Pass
				30	3.85	-9.012	-0.0129	-2.5 to 2.5	Pass
				40	3.85	-4.878	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-6.280	-0.0090	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-5.193	-0.0073	-2.5 to 2.5	Pass
				20	3.85	-11.802	-0.0167	-2.5 to 2.5	Pass
					4.43	-6.881	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-5.879	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-7.339	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-6.909	-0.0098	-2.5 to 2.5	Pass
				0	3.85	-10.428	-0.0147	-2.5 to 2.5	Pass
				10	3.85	-9.012	-0.0127	-2.5 to 2.5	Pass
				30	3.85	-3.891	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-9.255	-0.0131	-2.5 to 2.5	Pass
				50	3.85	-3.848	-0.0054	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-6.623	-0.0093	-2.5 to 2.5	Pass
				20	3.85	-5.636	-0.0079	-2.5 to 2.5	Pass
					4.43	-9.713	-0.0136	-2.5 to 2.5	Pass
				-30	3.85	-9.155	-0.0128	-2.5 to 2.5	Pass
				-20	3.85	-9.871	-0.0138	-2.5 to 2.5	Pass
				-10	3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-8.583	-0.0120	-2.5 to 2.5	Pass
				10	3.85	-3.748	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-3.004	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-6.294	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-7.582	-0.0106	-2.5 to 2.5	Pass
	700.5	15	0	20	3.27	-4.992	-0.0071	-2.5 to 2.5	Pass
				20	3.85	-11.959	-0.0171	-2.5 to 2.5	Pass
					4.43	-8.712	-0.0124	-2.5 to 2.5	Pass
				-30	3.85	-2.990	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-9.685	-0.0138	-2.5 to 2.5	Pass
				-10	3.85	-10.672	-0.0152	-2.5 to 2.5	Pass
				0	3.85	-7.968	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-1.945	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-3.262	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-1.631	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-6.022	-0.0086	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-8.841	-0.0125	-2.5 to 2.5	Pass
				20	3.85	-5.479	-0.0077	-2.5 to 2.5	Pass
					4.43	-4.277	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-6.824	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-3.905	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-6.151	-0.0087	-2.5 to 2.5	Pass
				0	3.85	-7.768	-0.0110	-2.5 to 2.5	Pass
				10	3.85	-8.583	-0.0121	-2.5 to 2.5	Pass
				30	3.85	-6.194	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-8.068	-0.0114	-2.5 to 2.5	Pass
				50	3.85	-4.563	-0.0064	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-6.924	-0.0097	-2.5 to 2.5	Pass
				20	3.85	-3.905	-0.0055	-2.5 to 2.5	Pass
					4.43	-11.530	-0.0161	-2.5 to 2.5	Pass
				-30	3.85	-3.219	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-3.591	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-8.140	-0.0114	-2.5 to 2.5	Pass

				0	3.85	-10.400	-0.0146	-2.5 to 2.5	Pass
				10	3.85	-2.332	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-7.181	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-5.722	-0.0080	-2.5 to 2.5	Pass
				50	3.85	-8.526	-0.0119	-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	-4.978	-0.0071	-2.5 to 2.5	Pass
					3.85	-6.309	-0.0090	-2.5 to 2.5	Pass
					4.43	-6.180	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-6.809	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-8.097	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	-5.937	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-12.331	-0.0176	-2.5 to 2.5	Pass
				10	3.85	-7.925	-0.0113	-2.5 to 2.5	Pass
				30	3.85	-6.108	-0.0087	-2.5 to 2.5	Pass
				40	3.85	-8.984	-0.0128	-2.5 to 2.5	Pass
				50	3.85	-6.995	-0.0100	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-4.735	-0.0067	-2.5 to 2.5	Pass
					3.85	-4.148	-0.0059	-2.5 to 2.5	Pass
					4.43	-3.333	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-7.882	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-7.482	-0.0106	-2.5 to 2.5	Pass
				-10	3.85	-6.680	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-10.200	-0.0144	-2.5 to 2.5	Pass
				10	3.85	-5.822	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-7.768	-0.0110	-2.5 to 2.5	Pass
				40	3.85	-9.141	-0.0129	-2.5 to 2.5	Pass
				50	3.85	-9.842	-0.0139	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-7.596	-0.0106	-2.5 to 2.5	Pass
					3.85	-1.745	-0.0024	-2.5 to 2.5	Pass
					4.43	-5.393	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-6.852	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-7.095	-0.0099	-2.5 to 2.5	Pass
				-10	3.85	-6.094	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-5.565	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-5.965	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-1.044	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-6.409	-0.0090	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-12.102	-0.0173	-2.5 to 2.5	Pass
					3.85	-8.655	-0.0123	-2.5 to 2.5	Pass
					4.43	-6.580	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-6.394	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-4.148	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-6.166	-0.0088	-2.5 to 2.5	Pass
				0	3.85	-10.872	-0.0155	-2.5 to 2.5	Pass
				10	3.85	-6.409	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-9.141	-0.0130	-2.5 to 2.5	Pass
				40	3.85	-6.008	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-5.794	-0.0083	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-4.621	-0.0065	-2.5 to 2.5	Pass
					3.85	-8.283	-0.0117	-2.5 to 2.5	Pass

					4.43	-4.764	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-10.943	-0.0155	-2.5 to 2.5	Pass
				-20	3.85	-10.057	-0.0142	-2.5 to 2.5	Pass
				-10	3.85	-5.479	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-5.207	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-9.799	-0.0139	-2.5 to 2.5	Pass
				30	3.85	-11.344	-0.0160	-2.5 to 2.5	Pass
				40	3.85	-4.034	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-8.826	-0.0124	-2.5 to 2.5	Pass
					3.85	-3.419	-0.0048	-2.5 to 2.5	Pass
					4.43	-3.777	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-8.955	-0.0126	-2.5 to 2.5	Pass
				-20	3.85	-4.778	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-4.821	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-7.167	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-13.189	-0.0185	-2.5 to 2.5	Pass
				30	3.85	-5.150	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-8.354	-0.0117	-2.5 to 2.5	Pass
				50	3.85	-9.584	-0.0134	-2.5 to 2.5	Pass

2.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	-9.742	-0.0138	-2.5 to 2.5	Pass
					3.85	-8.726	-0.0124	-2.5 to 2.5	Pass
					4.43	-7.653	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-3.662	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-5.593	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	-4.878	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-6.166	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-6.065	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-5.665	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-7.010	-0.0100	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-5.336	-0.0075	-2.5 to 2.5	Pass
					3.85	-6.237	-0.0088	-2.5 to 2.5	Pass
					4.43	-5.307	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-6.466	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-4.992	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-4.606	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-2.904	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-5.493	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-6.294	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-4.449	-0.0063	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-7.253	-0.0102	-2.5 to 2.5	Pass
					3.85	-4.163	-0.0059	-2.5 to 2.5	Pass
					4.43	-8.669	-0.0122	-2.5 to 2.5	Pass
				-30	3.85	-7.696	-0.0108	-2.5 to 2.5	Pass
				-20	3.85	-4.907	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-4.392	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-7.138	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-6.824	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-6.866	-0.0097	-2.5 to 2.5	Pass

16QAM	704	50	0	40	3.85	-5.522	-0.0078	-2.5 to 2.5	Pass
				50	3.85	-5.779	-0.0081	-2.5 to 2.5	Pass
				20	3.27	-3.519	-0.0050	-2.5 to 2.5	Pass
					3.85	-6.495	-0.0092	-2.5 to 2.5	Pass
					4.43	-7.668	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-8.426	-0.0120	-2.5 to 2.5	Pass
				-20	3.85	-6.022	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-5.264	-0.0075	-2.5 to 2.5	Pass
				0	3.85	-5.636	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-3.905	-0.0055	-2.5 to 2.5	Pass
	707.5	50	0	30	3.85	-4.234	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-7.939	-0.0113	-2.5 to 2.5	Pass
				50	3.85	-6.809	-0.0097	-2.5 to 2.5	Pass
				20	3.27	-4.807	-0.0068	-2.5 to 2.5	Pass
					3.85	-7.181	-0.0101	-2.5 to 2.5	Pass
					4.43	-8.368	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-4.106	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-4.735	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-8.869	-0.0125	-2.5 to 2.5	Pass
				0	3.85	-5.593	-0.0079	-2.5 to 2.5	Pass
	711	50	0	10	3.85	-6.409	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-6.552	-0.0093	-2.5 to 2.5	Pass
				40	3.85	-7.453	-0.0105	-2.5 to 2.5	Pass
				50	3.85	-8.554	-0.0121	-2.5 to 2.5	Pass
				20	3.27	-5.264	-0.0074	-2.5 to 2.5	Pass
					3.85	-5.593	-0.0079	-2.5 to 2.5	Pass
					4.43	-6.652	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-4.263	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-7.739	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-4.563	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-6.452	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-4.034	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-9.112	-0.0128	-2.5 to 2.5	Pass
				40	3.85	-5.422	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-6.208	-0.0087	-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	
		Size	Offset	Result	Limit
QPSK	707.5	6	0	Refer To Test Graph	
16QAM	707.5	6	0	Refer To Test Graph	

3.1.2 B12_3MHz

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

3.1.3 B12_5MHz

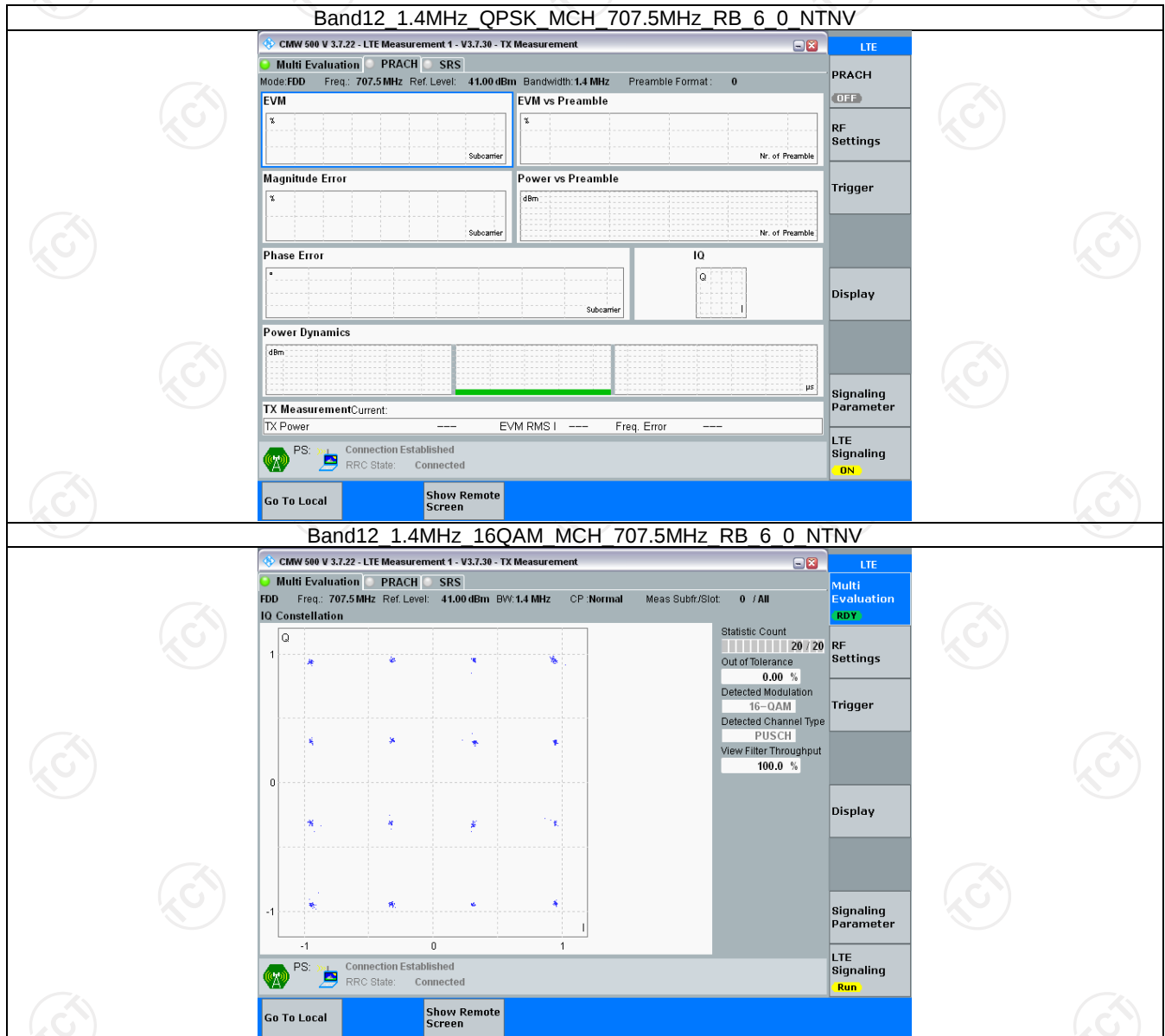
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

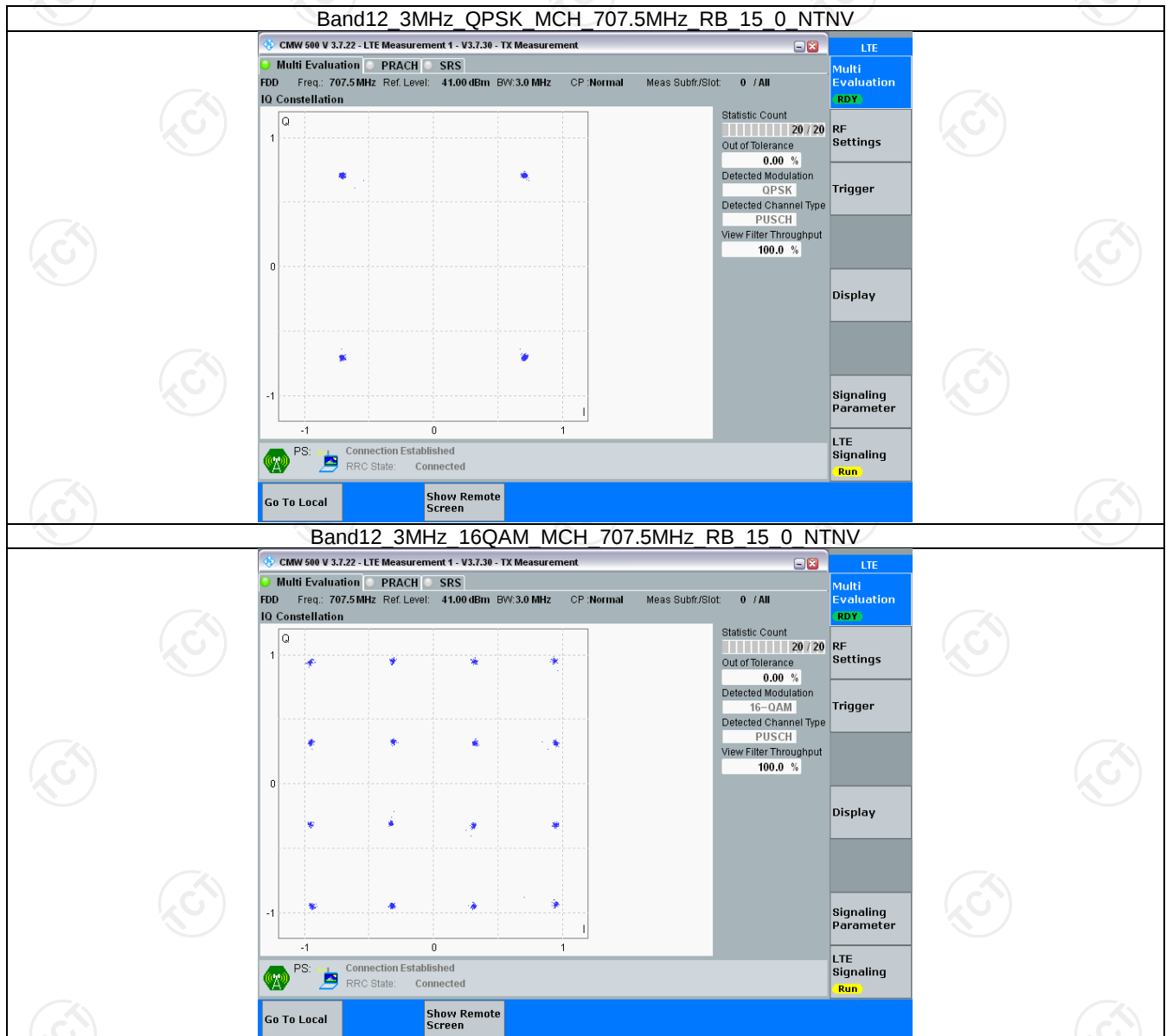
Band: 12 / Bandwidth: 10MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

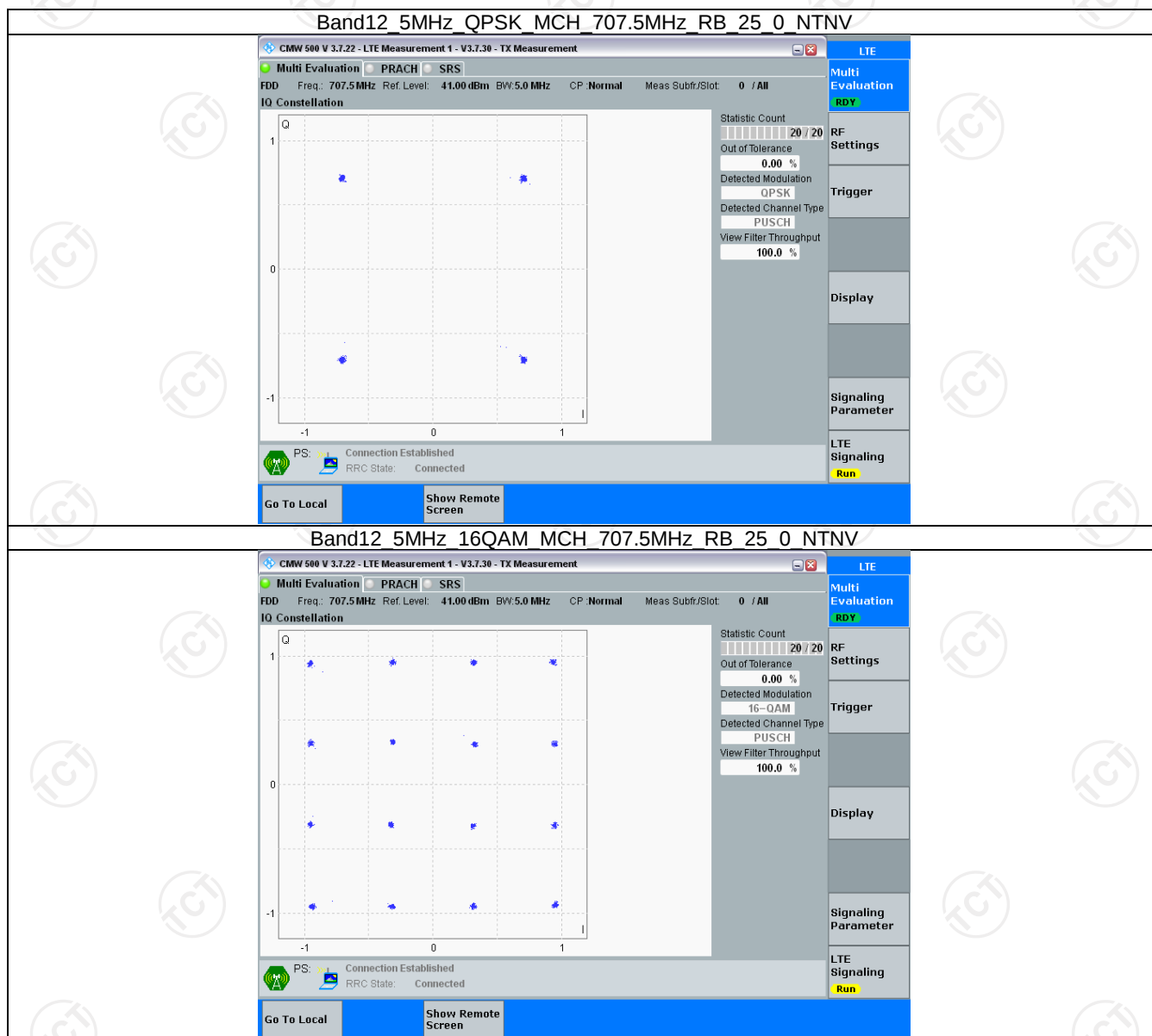
3.2.1 B12_1.4MHz



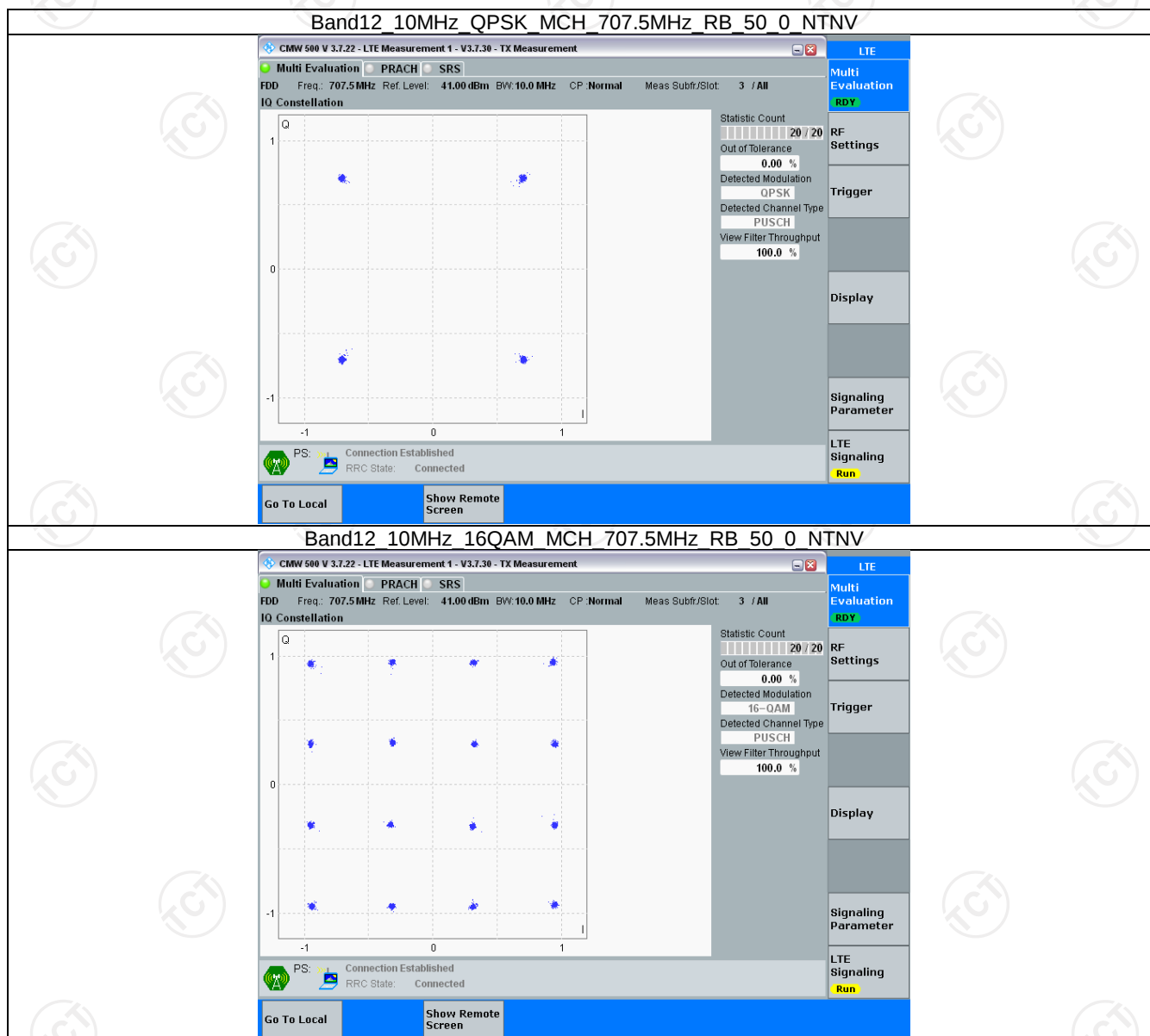
3.2.2 B12_3MHz



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	1.103	/	Pass
		707.5	6	0	1.110	/	Pass
		715.3	6	0	1.118	/	Pass
	16QAM	699.7	6	0	1.103	/	Pass
		707.5	6	0	1.109	/	Pass
		715.3	6	0	1.103	/	Pass
3	QPSK	700.5	15	0	2.718	/	Pass
		707.5	15	0	2.728	/	Pass
		714.5	15	0	2.723	/	Pass
	16QAM	700.5	15	0	2.719	/	Pass
		707.5	15	0	2.729	/	Pass
		714.5	15	0	2.712	/	Pass
5	QPSK	701.5	25	0	4.559	/	Pass
		707.5	25	0	4.553	/	Pass
		713.5	25	0	4.550	/	Pass
	16QAM	701.5	25	0	4.599	/	Pass
		707.5	25	0	4.557	/	Pass
		713.5	25	0	4.548	/	Pass
10	QPSK	704	50	0	9.095	/	Pass
		707.5	50	0	9.088	/	Pass
		711	50	0	9.094	/	Pass
	16QAM	704	50	0	9.054	/	Pass
		707.5	50	0	9.093	/	Pass
		711	50	0	9.059	/	Pass

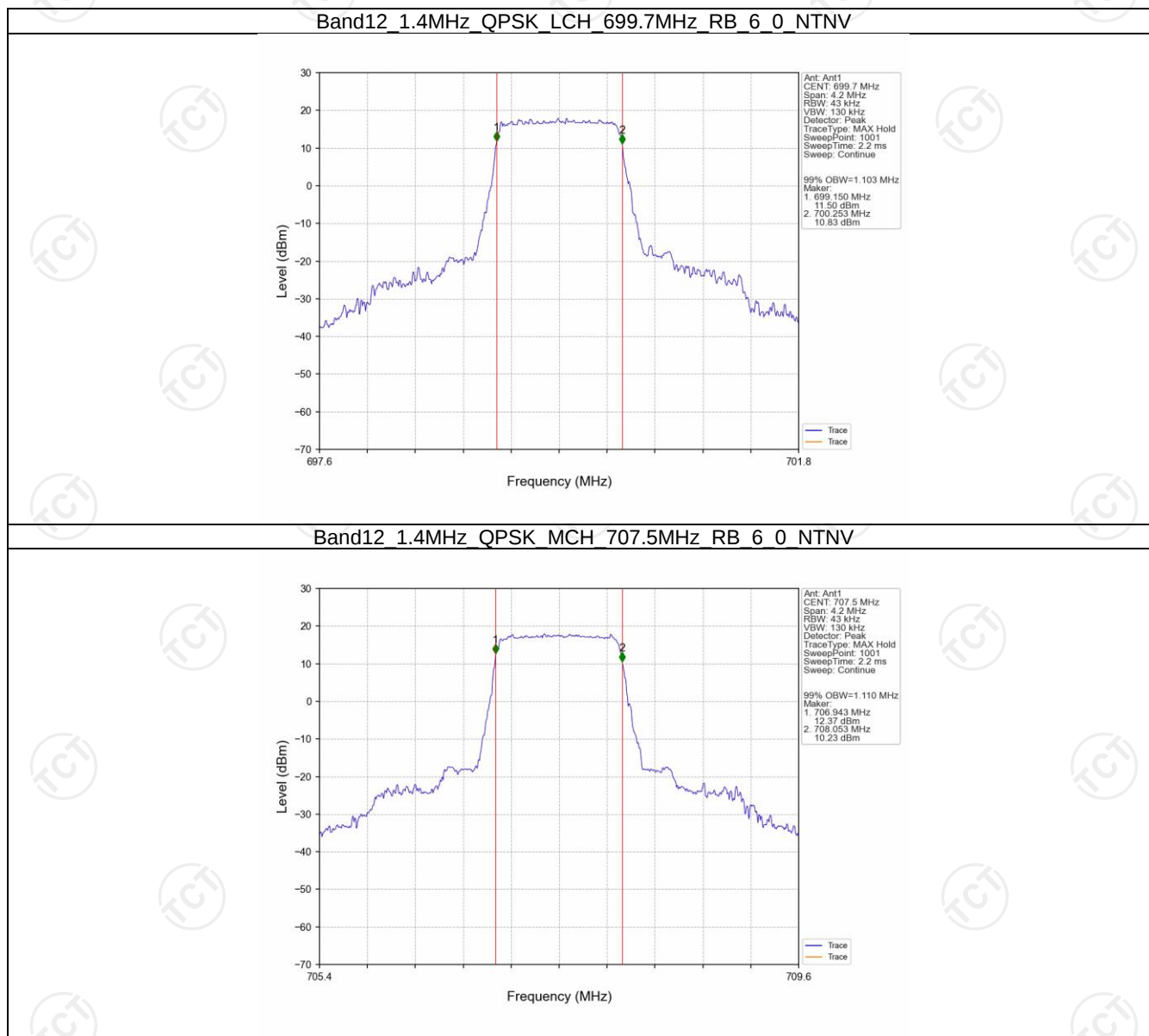
4.1.2 Band12_XDB

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	1.327	/	Pass
		707.5	6	0	1.306	/	Pass
		715.3	6	0	1.320	/	Pass
	16QAM	699.7	6	0	1.309	/	Pass
		707.5	6	0	1.323	/	Pass
		715.3	6	0	1.313	/	Pass
3	QPSK	700.5	15	0	2.997	/	Pass
		707.5	15	0	2.993	/	Pass
		714.5	15	0	3.000	/	Pass
	16QAM	700.5	15	0	3.004	/	Pass
		707.5	15	0	3.000	/	Pass
		714.5	15	0	2.984	/	Pass
5	QPSK	701.5	25	0	5.250	/	Pass
		707.5	25	0	5.260	/	Pass
		713.5	25	0	5.237	/	Pass

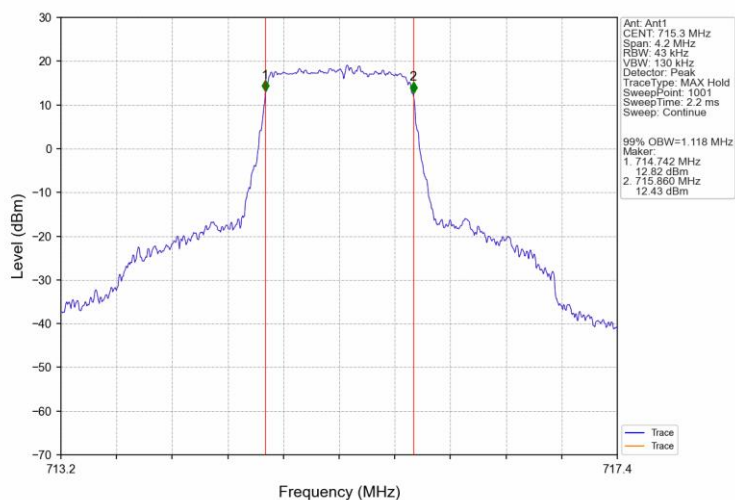
10	16QAM	701.5	25	0	5.259	/	Pass
		707.5	25	0	5.266	/	Pass
		713.5	25	0	5.227	/	Pass
	QPSK	704	50	0	10.378	/	Pass
		707.5	50	0	10.341	/	Pass
		711	50	0	10.292	/	Pass
	16QAM	704	50	0	10.312	/	Pass
		707.5	50	0	10.338	/	Pass
		711	50	0	10.154	/	Pass

4.2 Test Graph

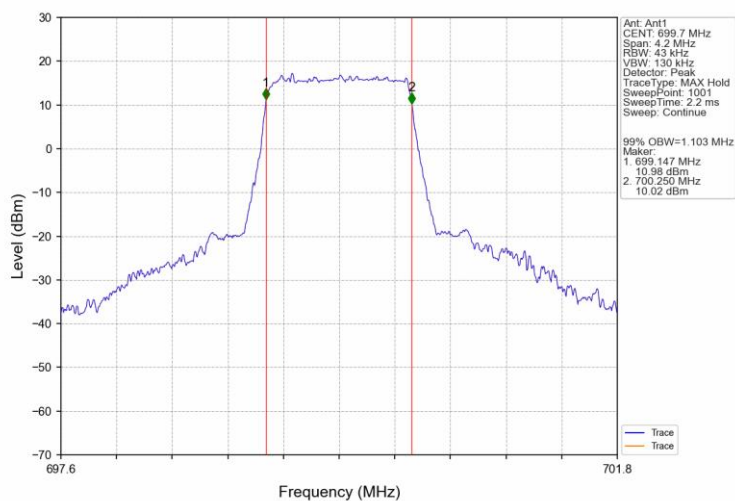
4.2.1 Band12_OBW



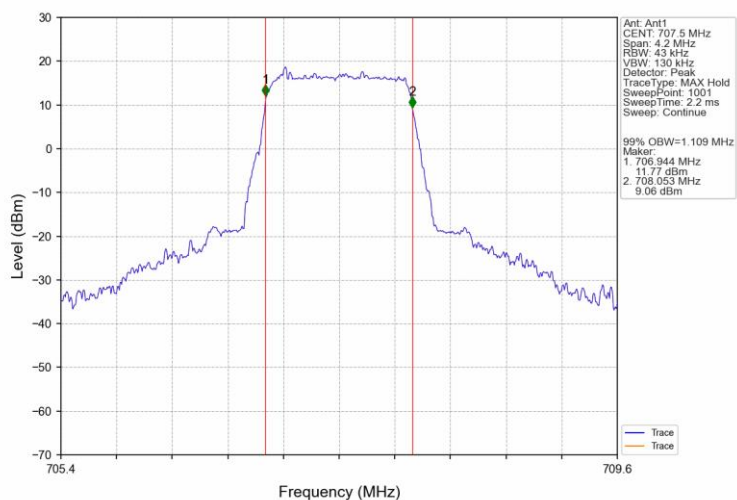
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



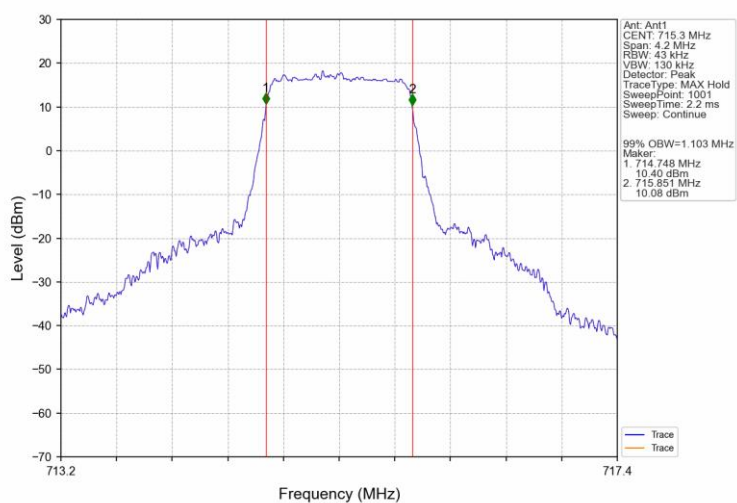
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



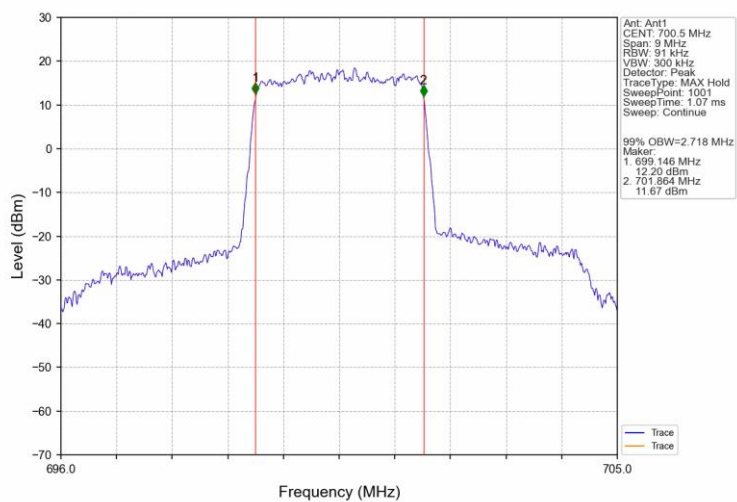
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTN



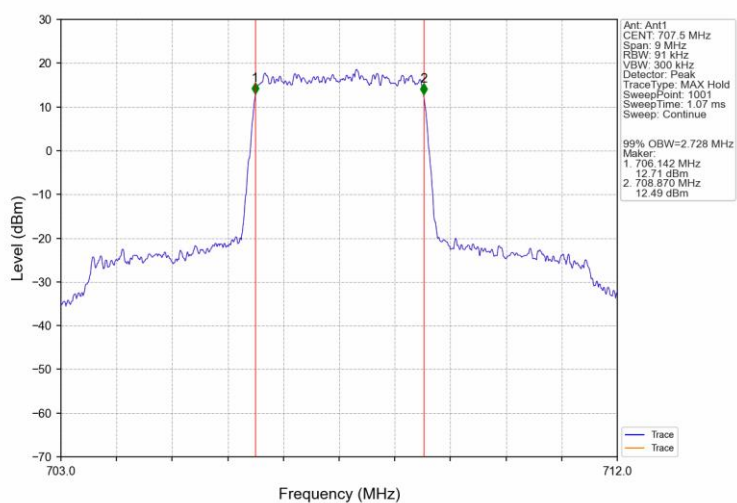
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTN



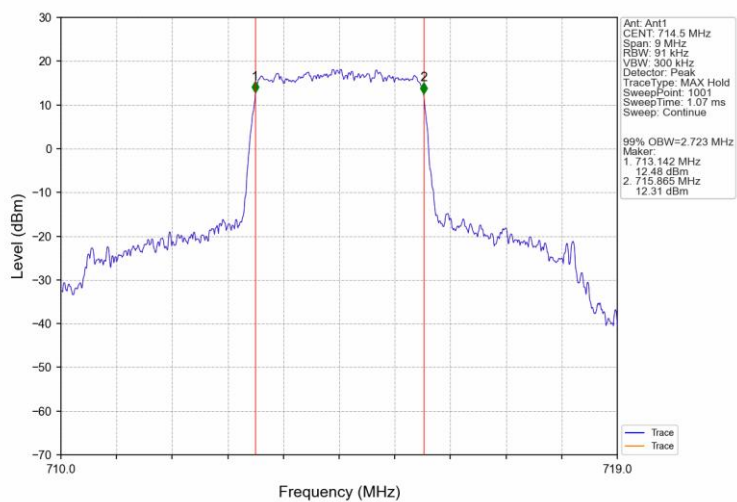
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



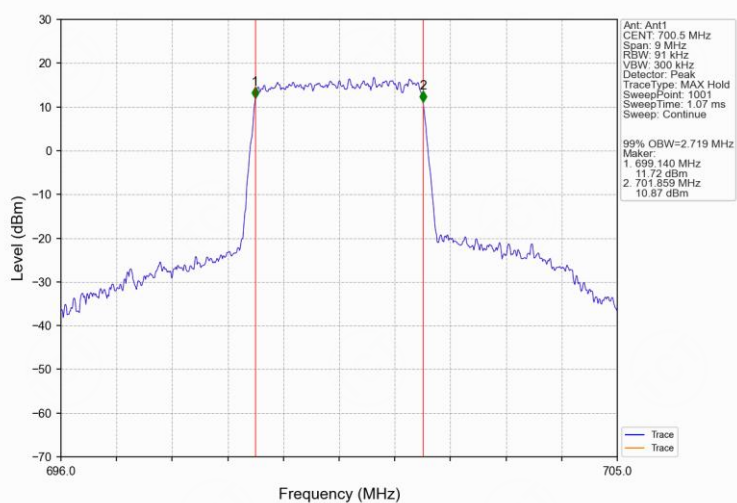
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



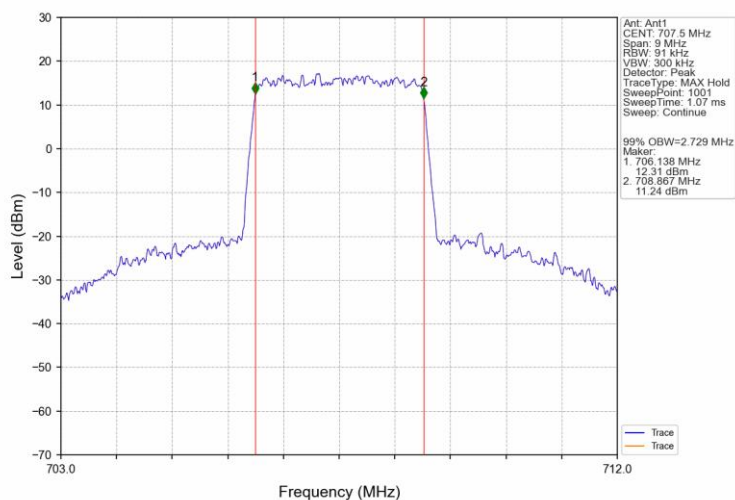
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV



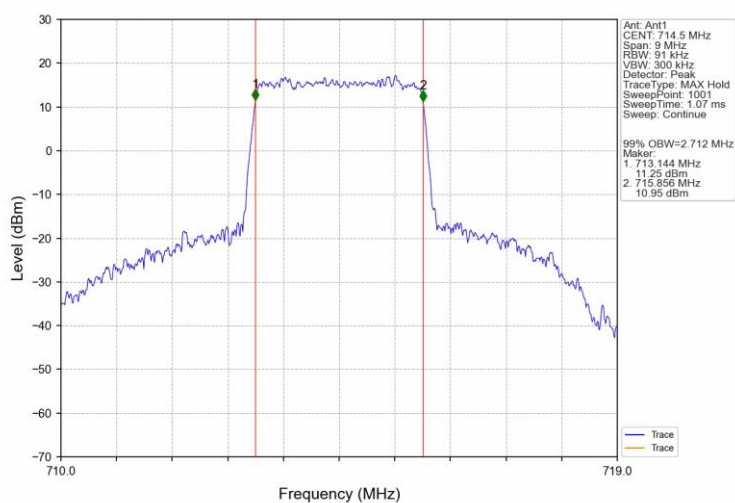
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTV



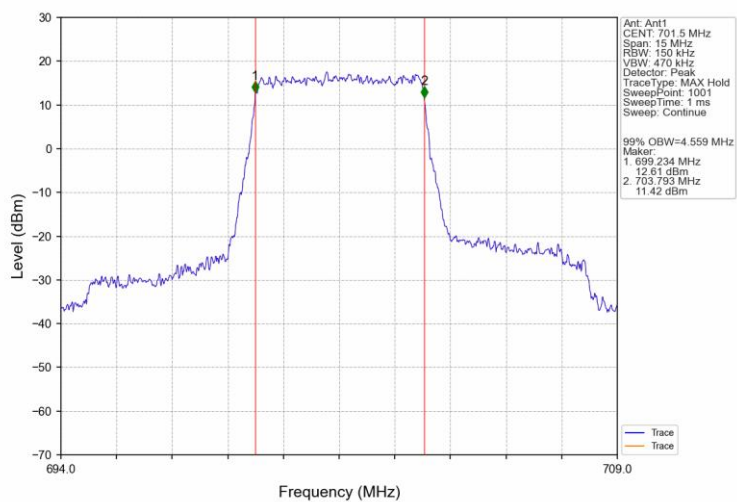
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



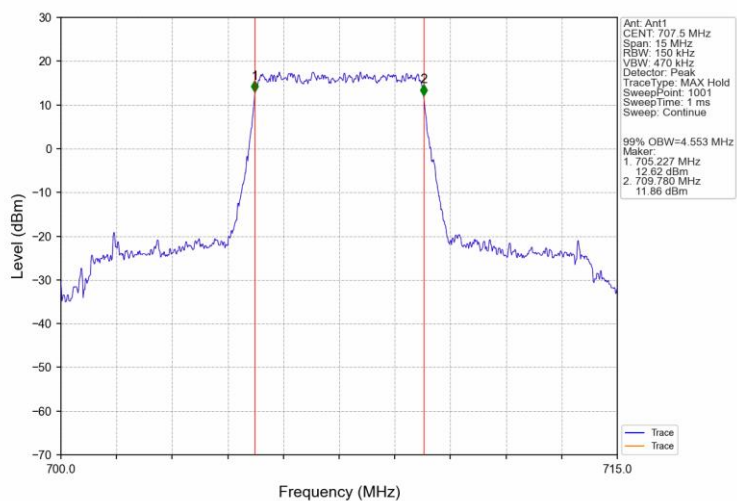
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



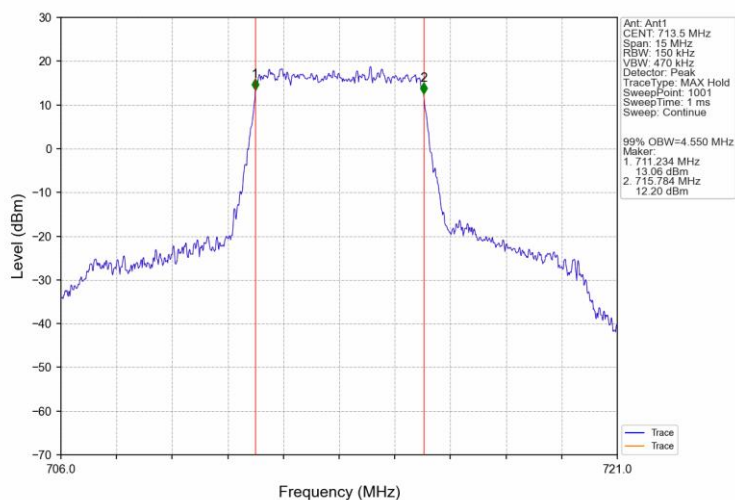
Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV



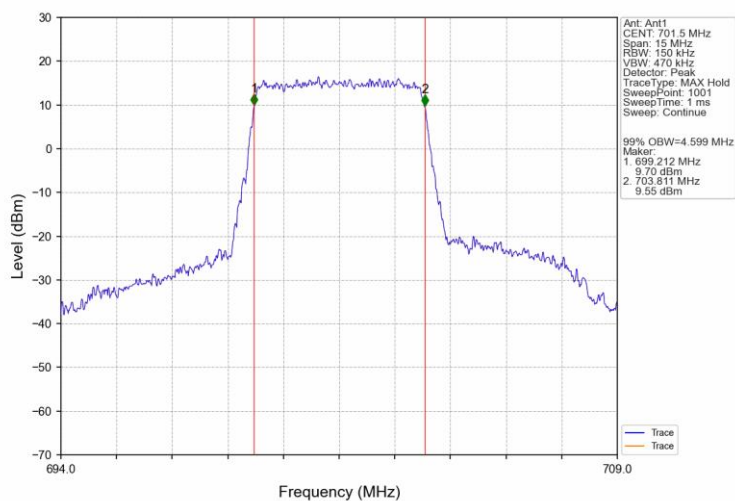
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTNV



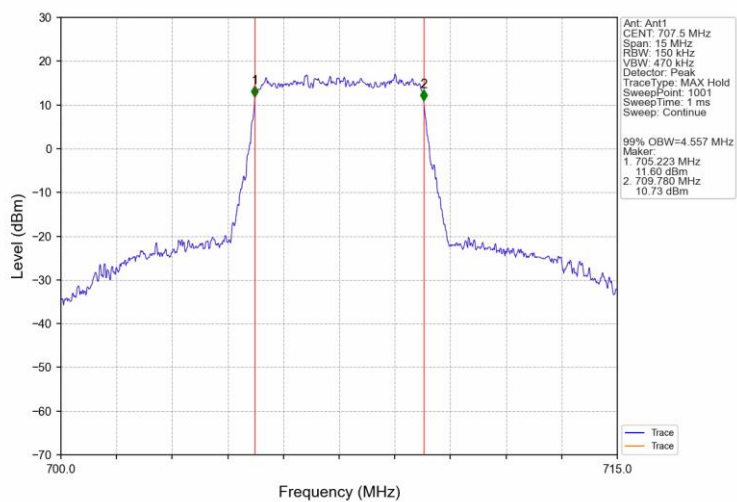
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



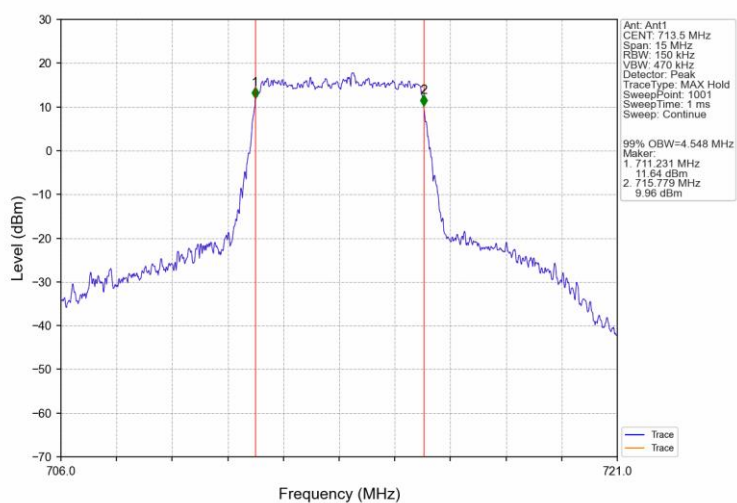
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTV



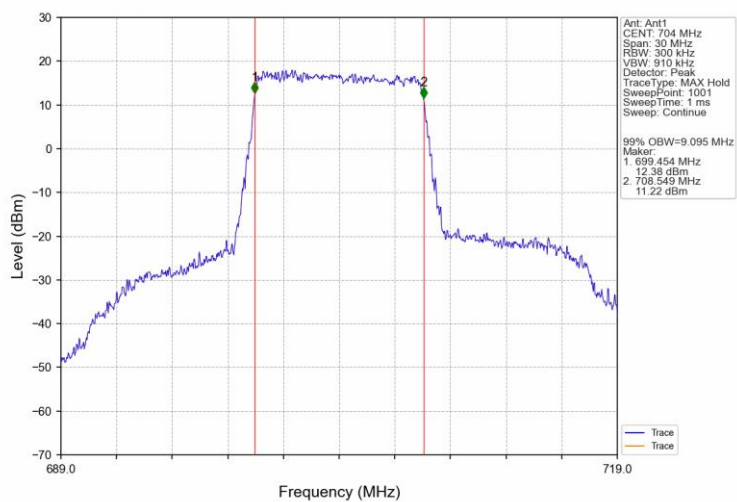
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTN



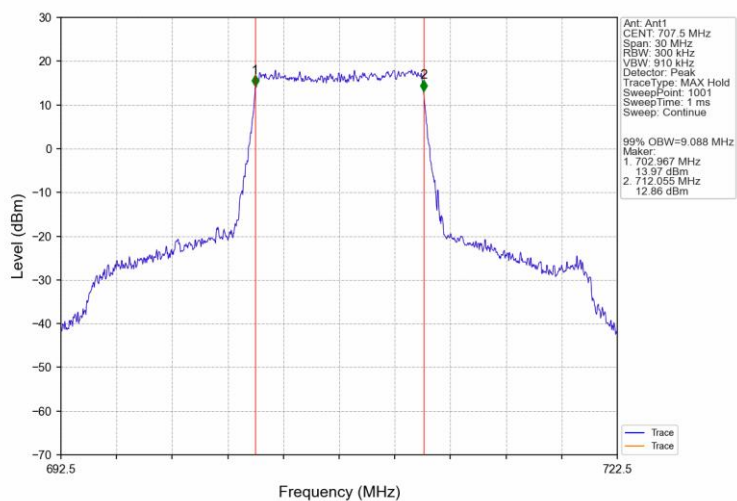
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTN



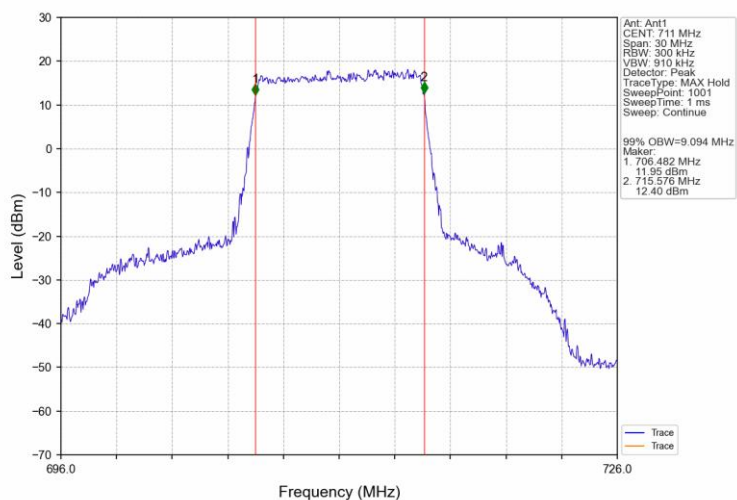
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



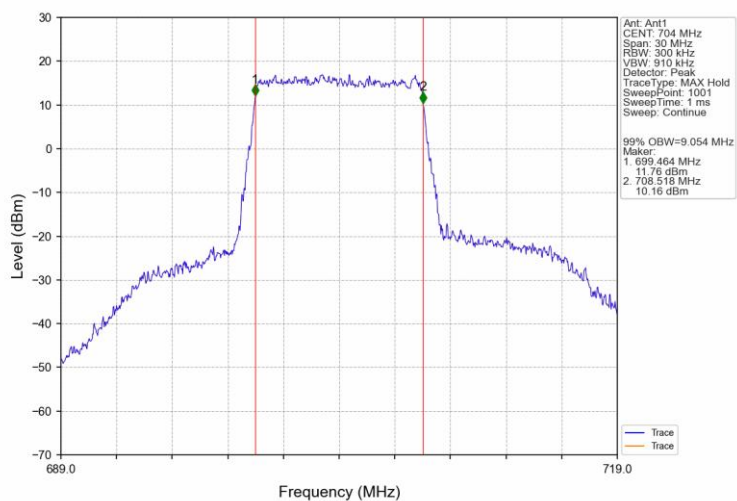
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



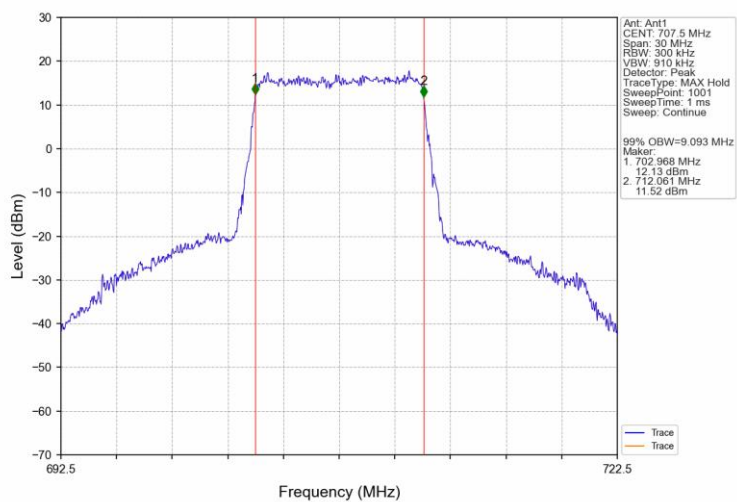
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



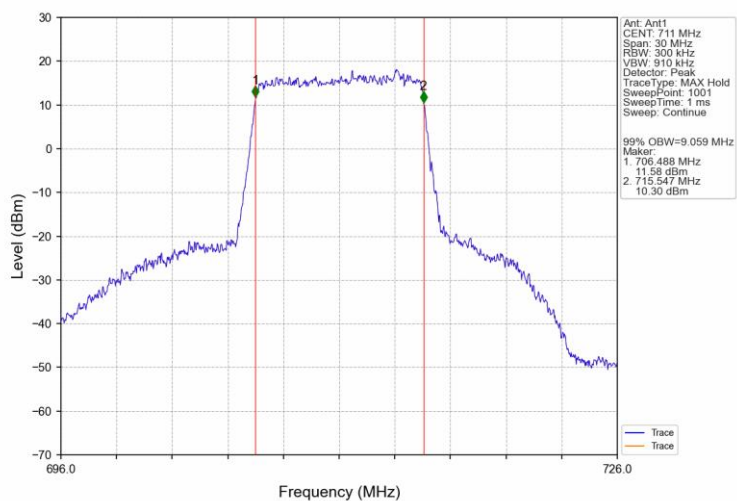
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



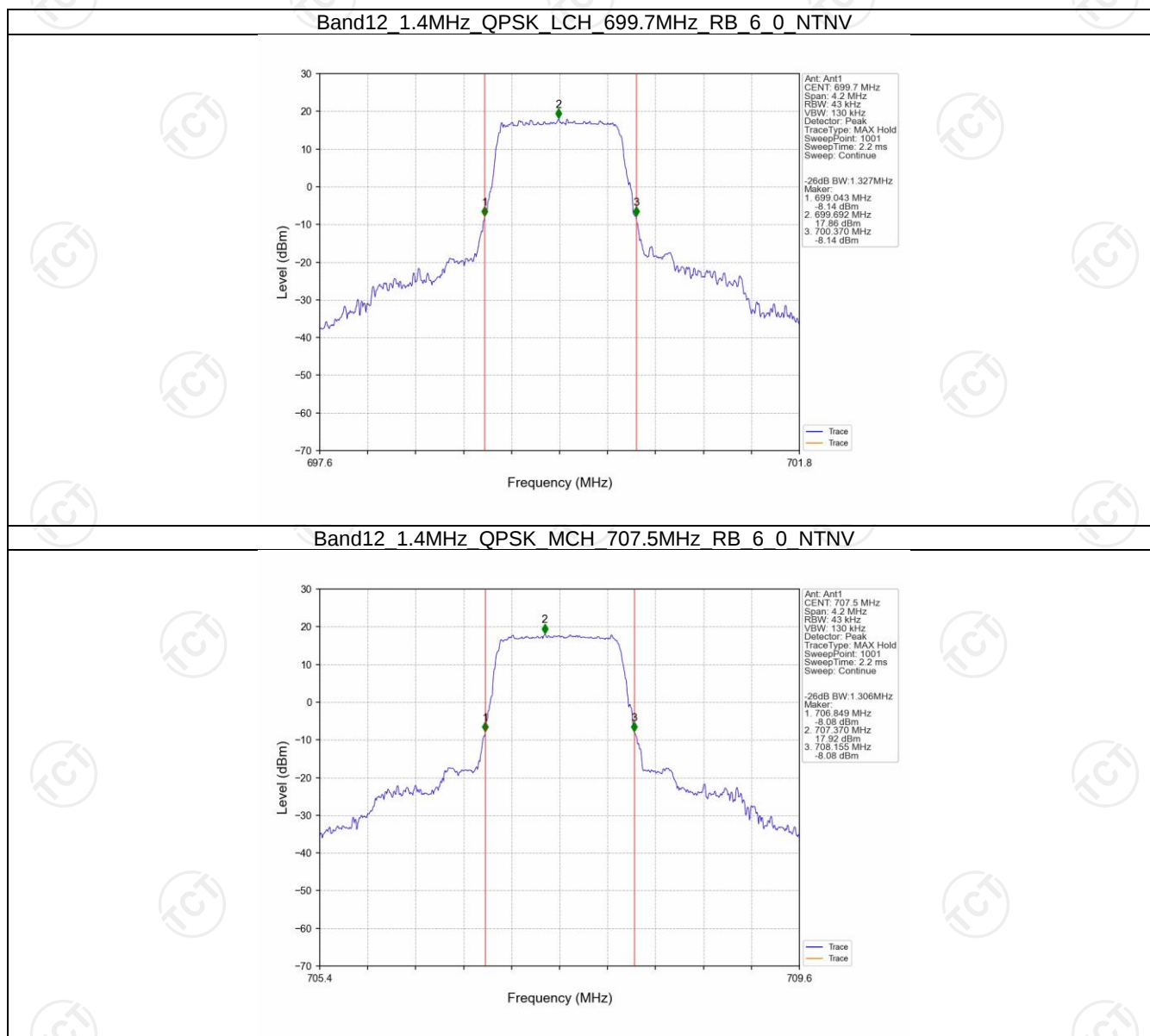
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



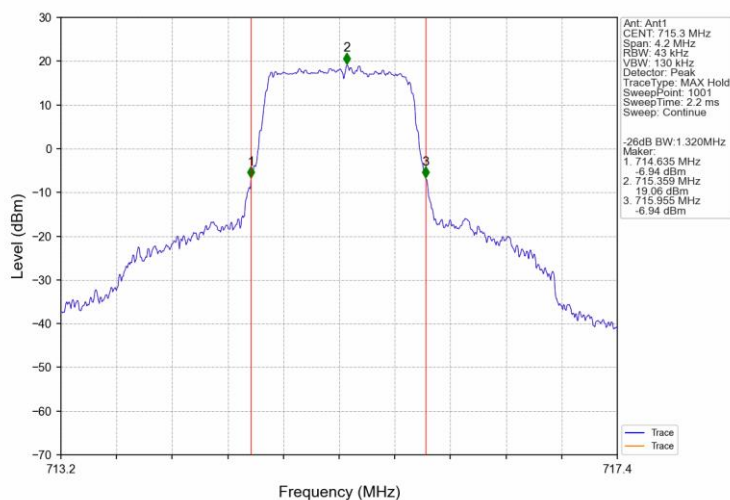
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



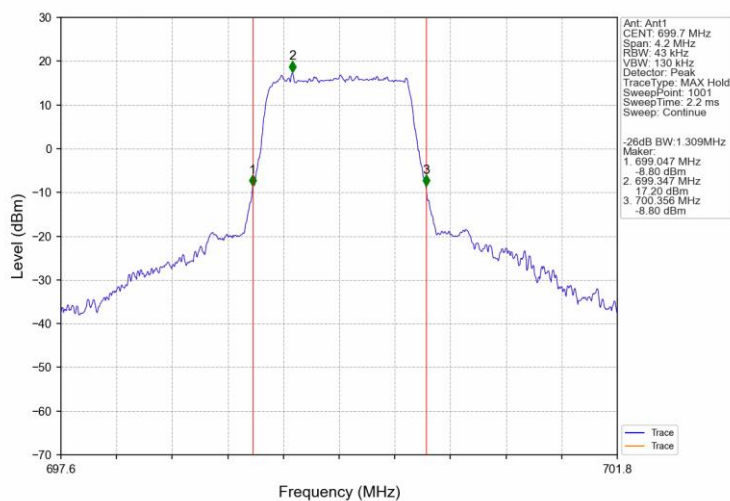
4.2.2 Band12_XDB



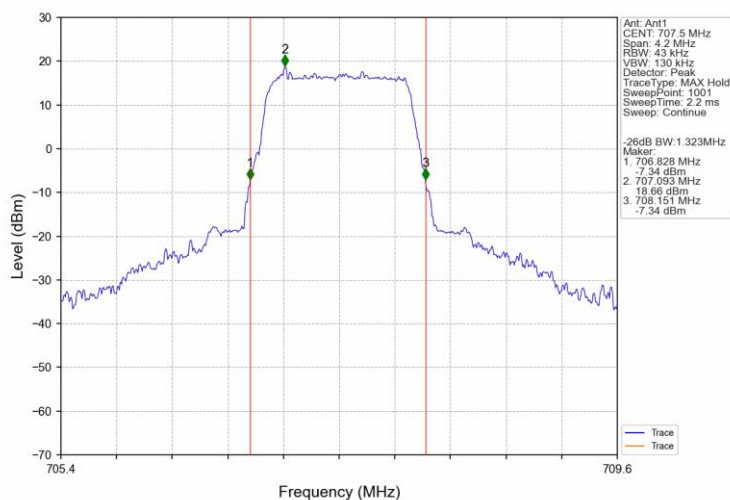
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



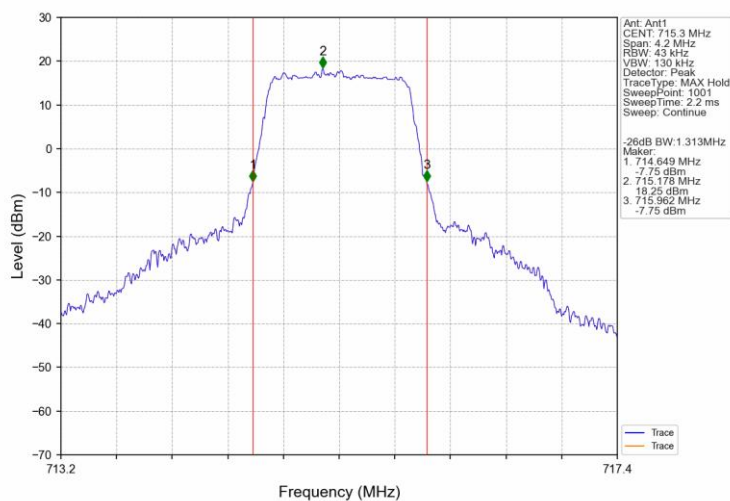
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



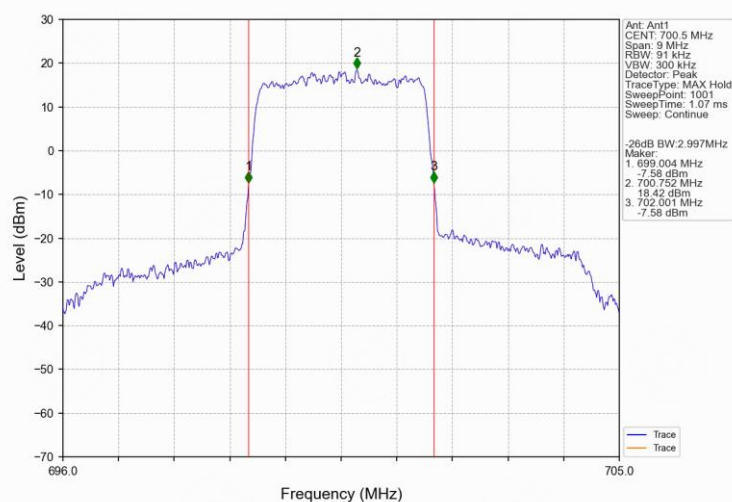
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTN



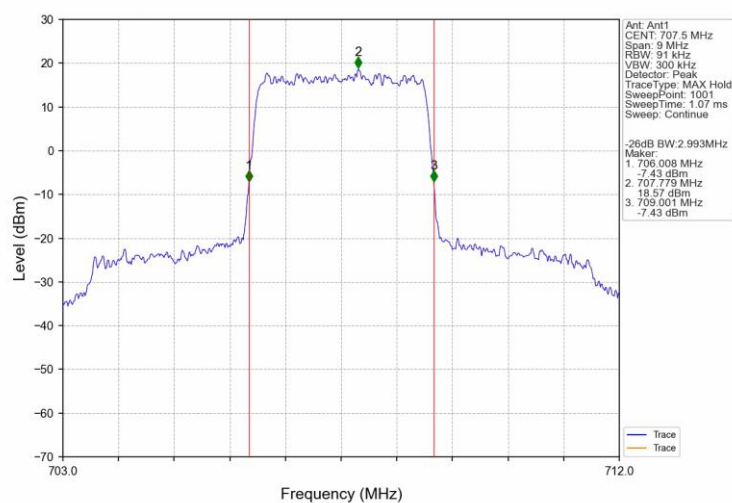
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTN



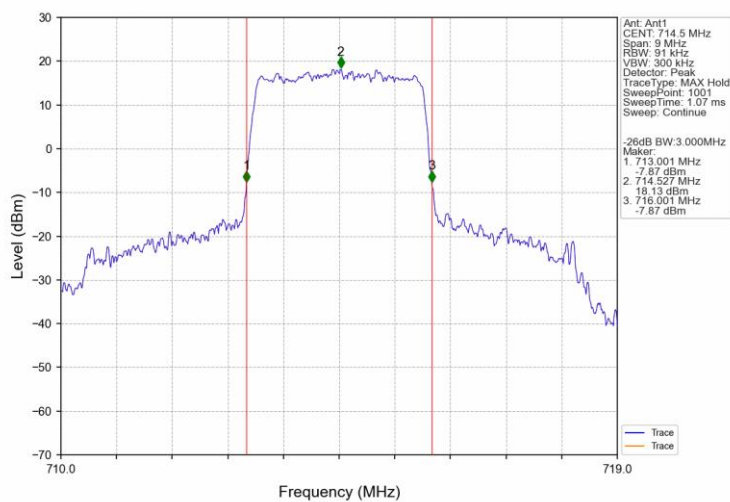
Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTV



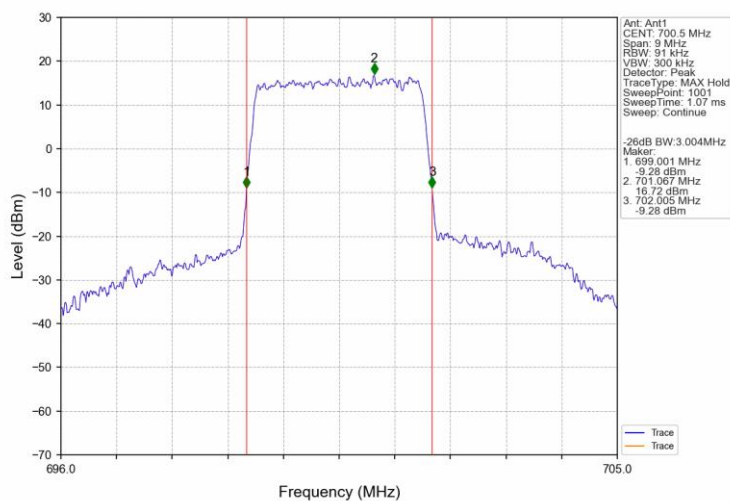
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTV



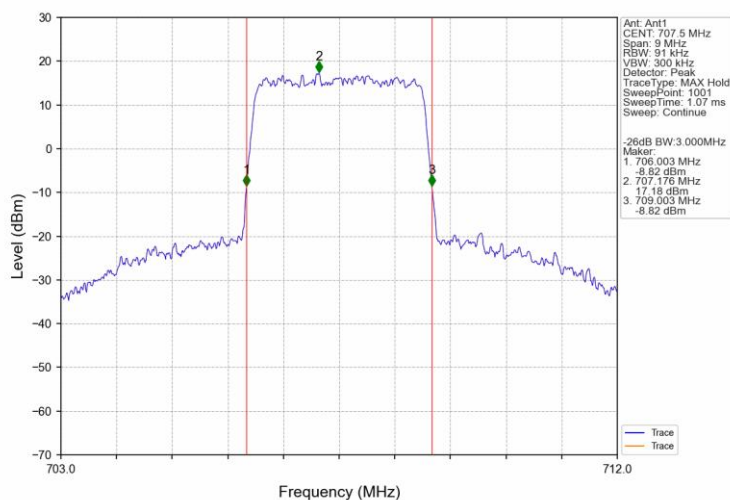
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



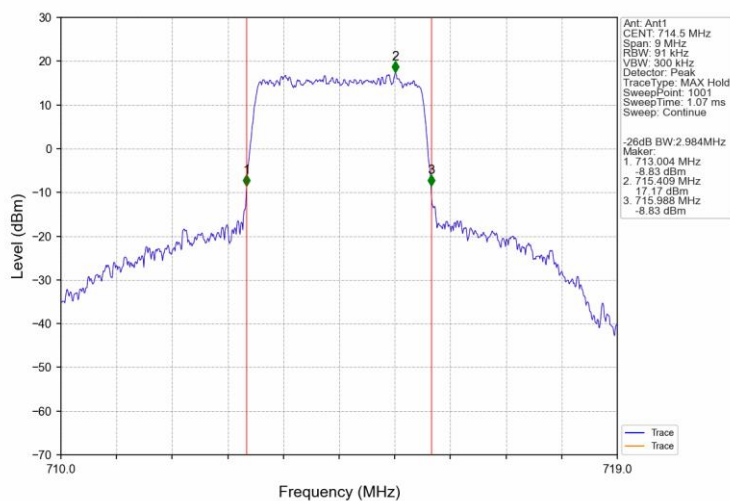
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



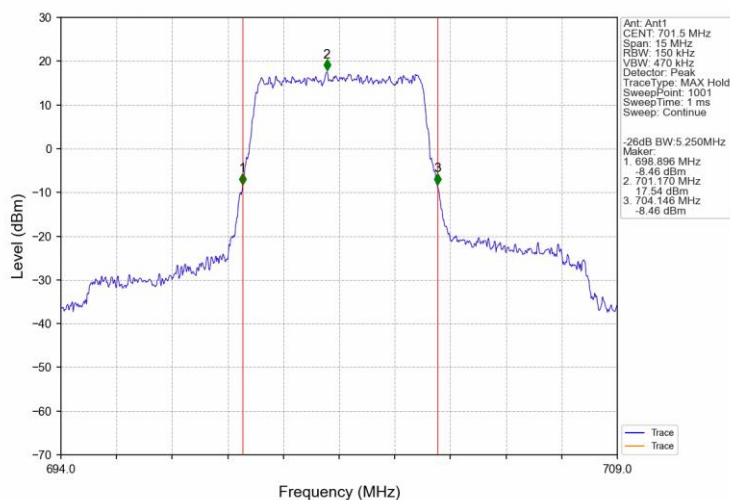
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



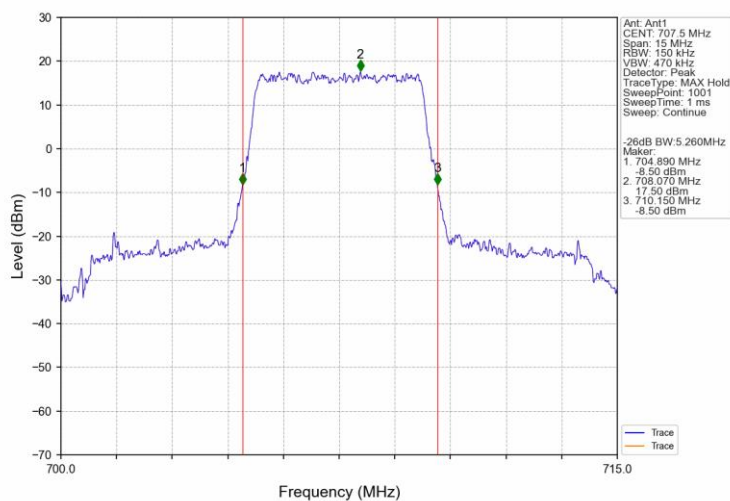
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



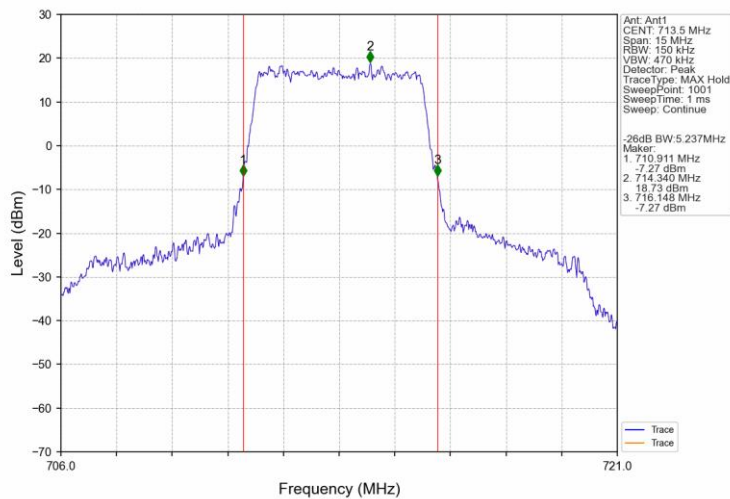
Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV



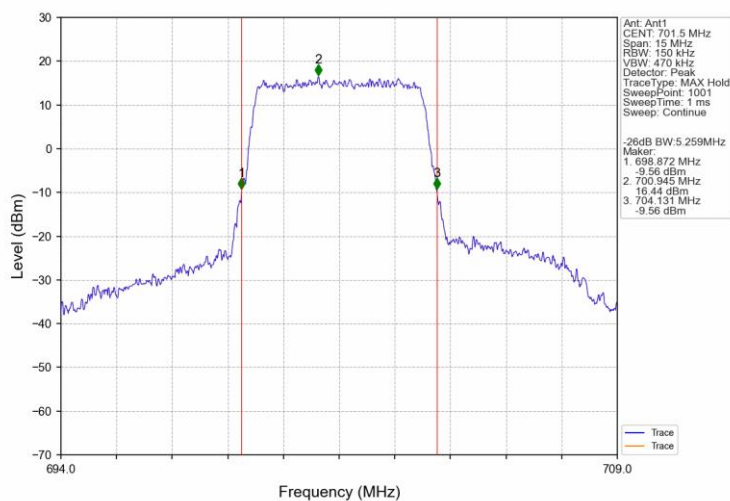
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTNV



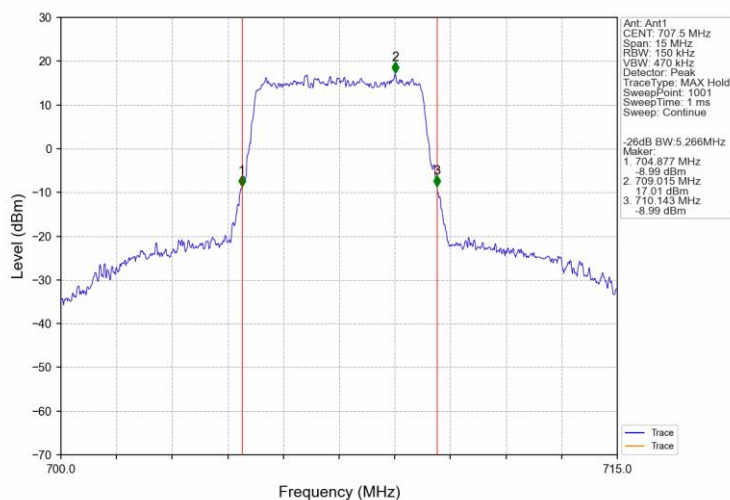
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



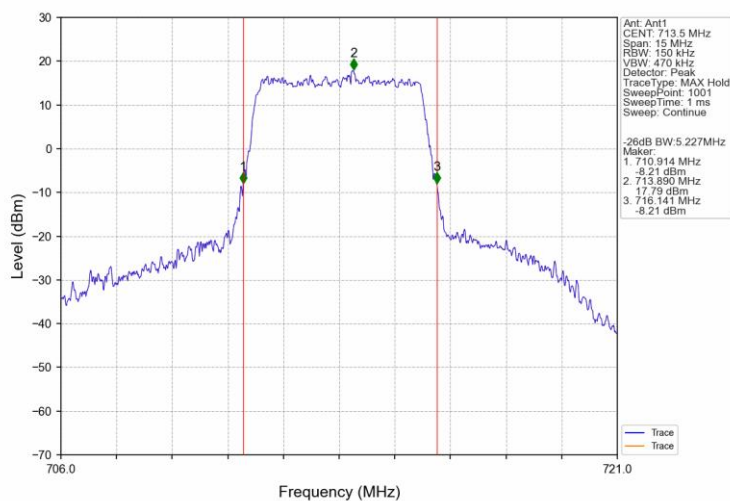
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



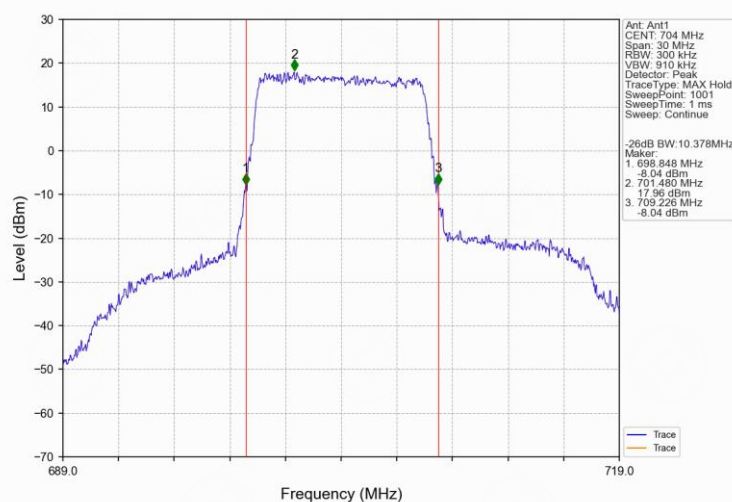
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



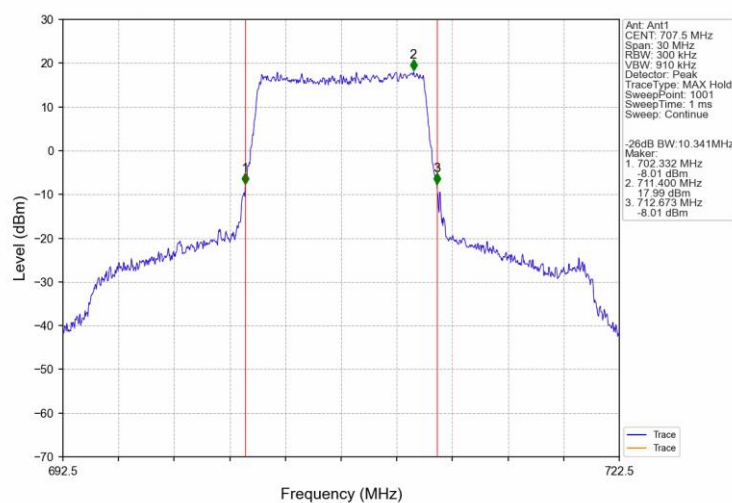
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



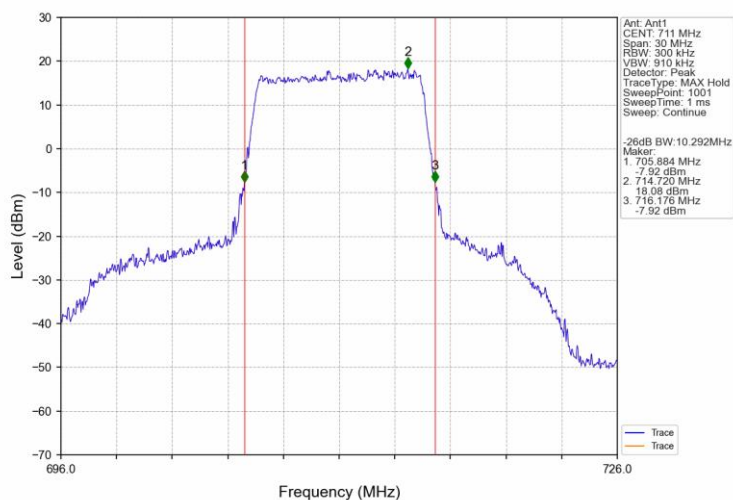
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



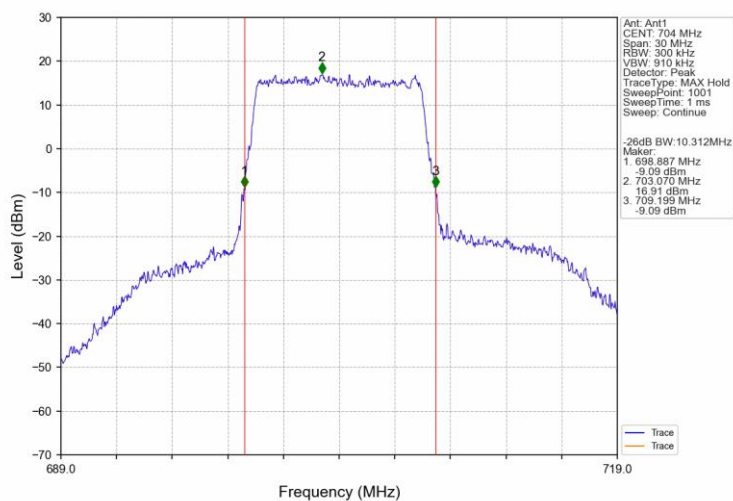
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



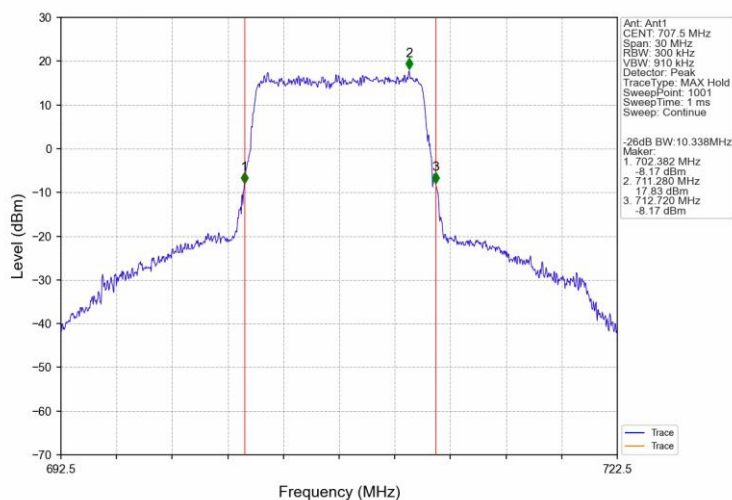
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



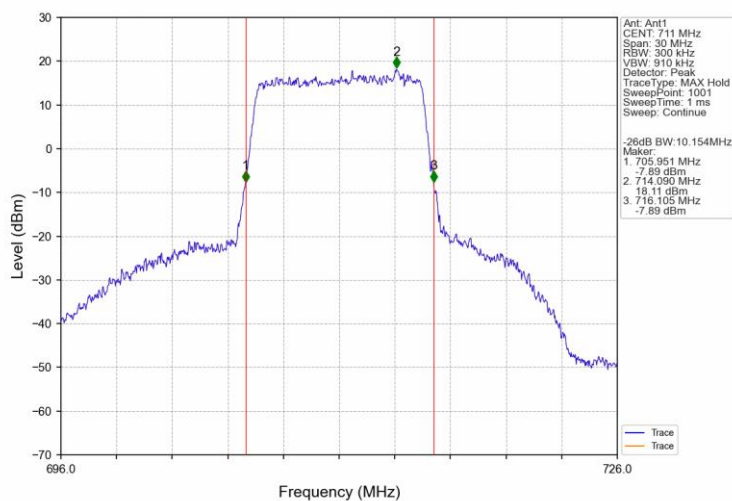
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTN



Band12 10MHz 16QAM HCH 711MHz RB 50 0 NTN



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	5.27	<=13	Pass
	707.5	6	0	5.46	<=13	Pass
	715.3	6	0	4.72	<=13	Pass
16QAM	699.7	6	0	5.99	<=13	Pass
	707.5	6	0	6.20	<=13	Pass
	715.3	6	0	5.57	<=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	5.22	<=13	Pass
	707.5	15	0	5.42	<=13	Pass
	714.5	15	0	4.80	<=13	Pass
16QAM	700.5	15	0	6.02	<=13	Pass
	707.5	15	0	6.23	<=13	Pass
	714.5	15	0	5.65	<=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	5.42	<=13	Pass
	707.5	25	0	5.62	<=13	Pass
	713.5	25	0	5.23	<=13	Pass
16QAM	701.5	25	0	6.13	<=13	Pass
	707.5	25	0	6.27	<=13	Pass
	713.5	25	0	5.92	<=13	Pass

5.1.4 B12_10MHz

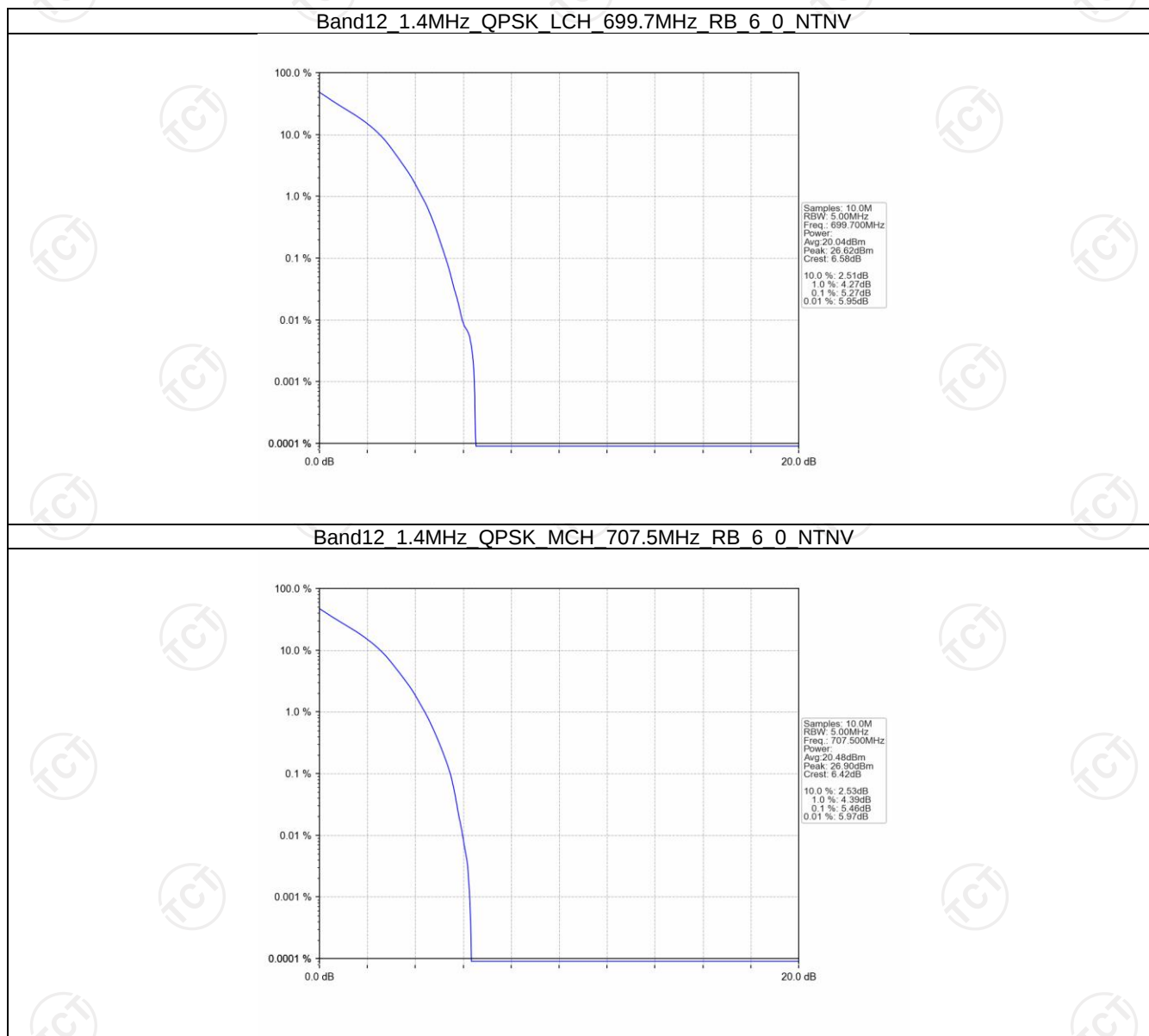
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.50	<=13	Pass
	707.5	50	0	5.58	<=13	Pass
	711	50	0	5.45	<=13	Pass
16QAM	704	50	0	6.22	<=13	Pass
	707.5	50	0	6.33	<=13	Pass

	711	50	0	6.17	<=13	Pass
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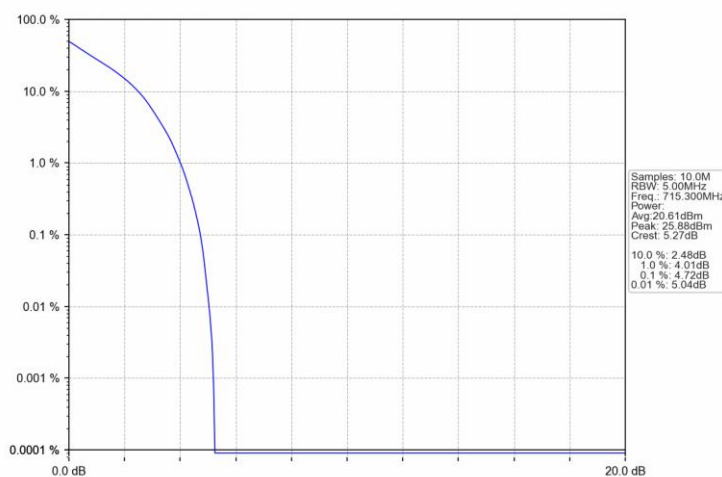


5.2 Test Graph

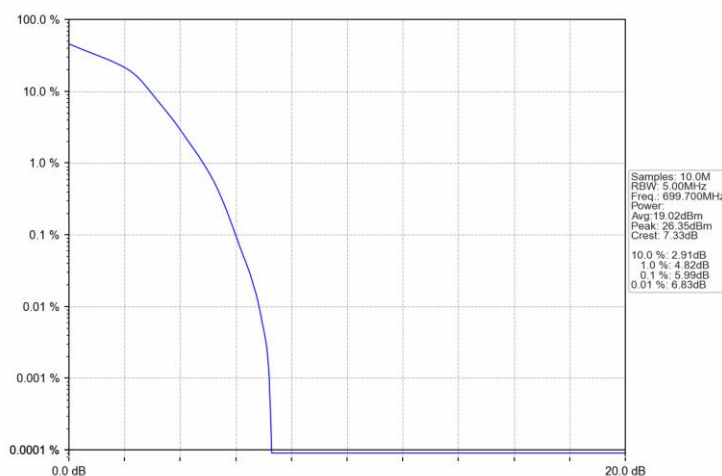
5.2.1 B12_1.4MHz



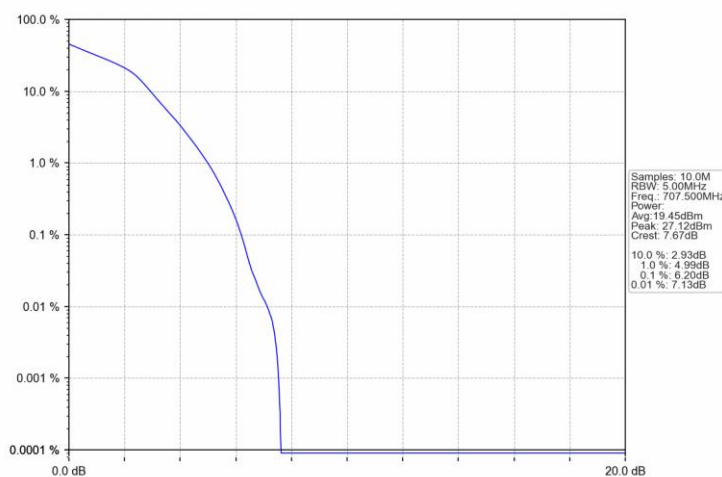
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



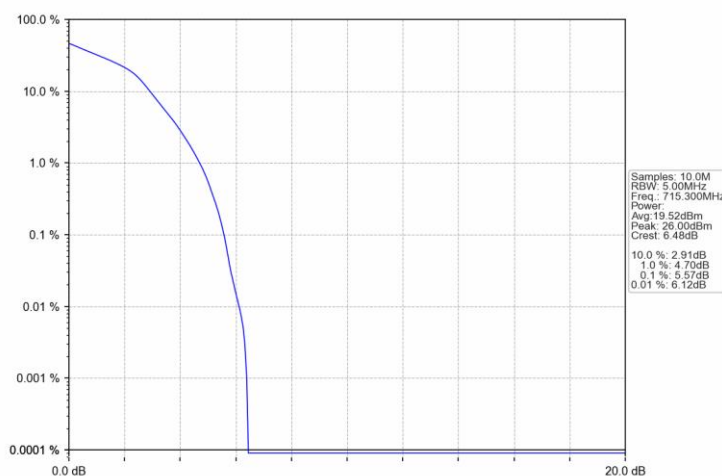
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



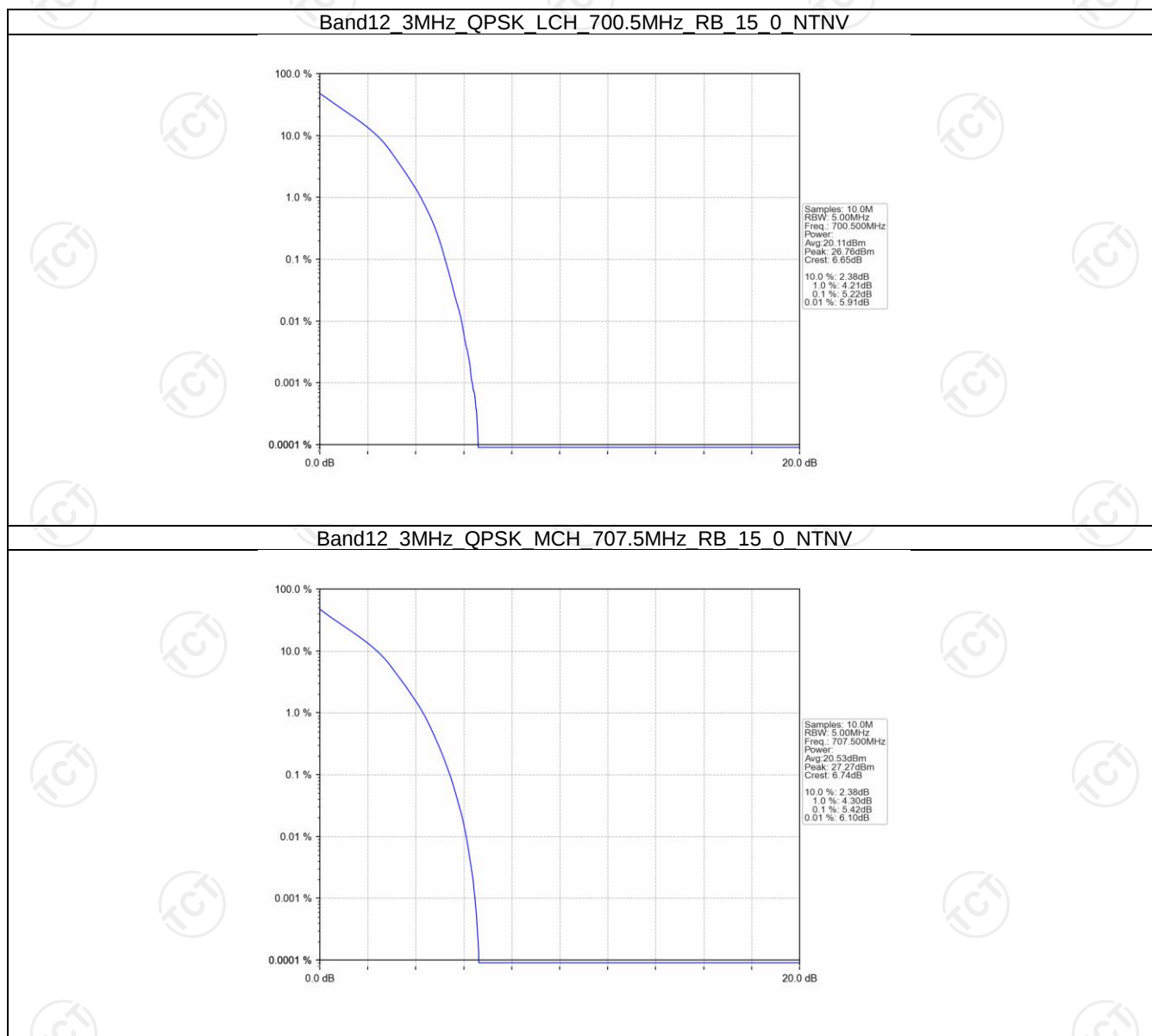
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



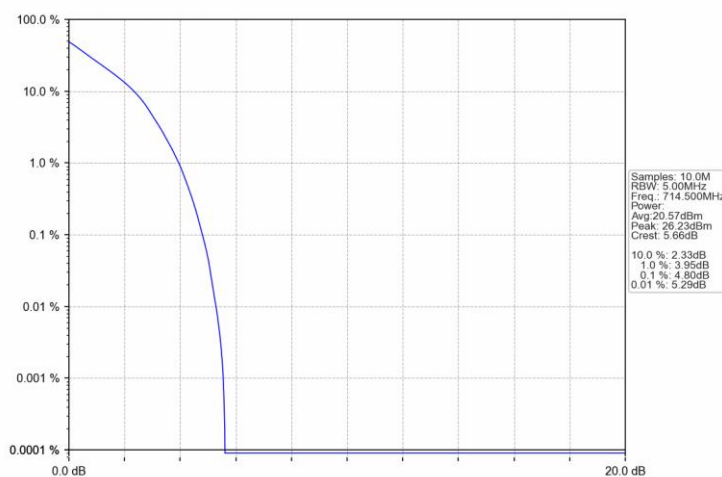
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



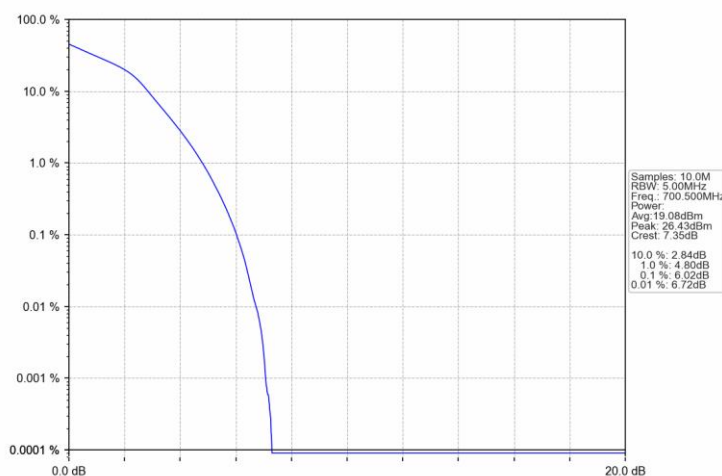
5.2.2 B12_3MHz



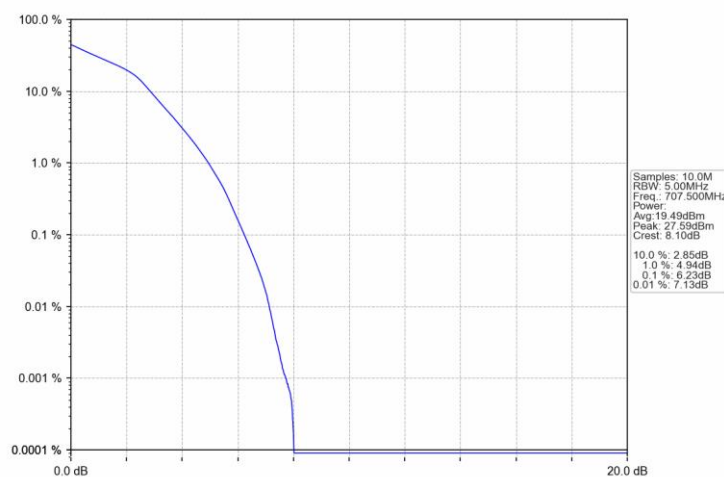
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV



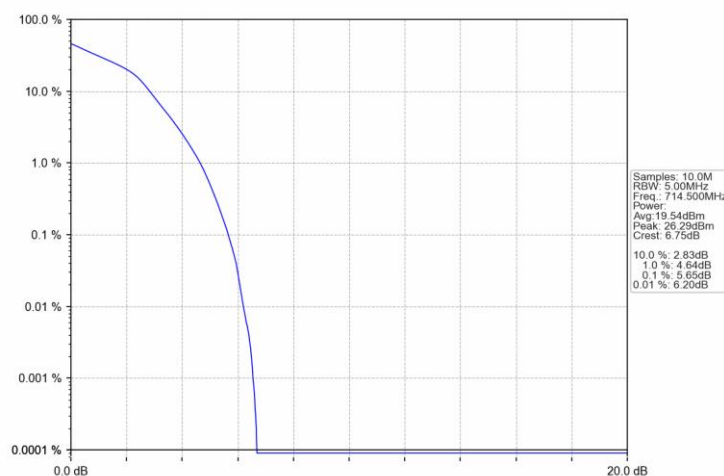
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTV



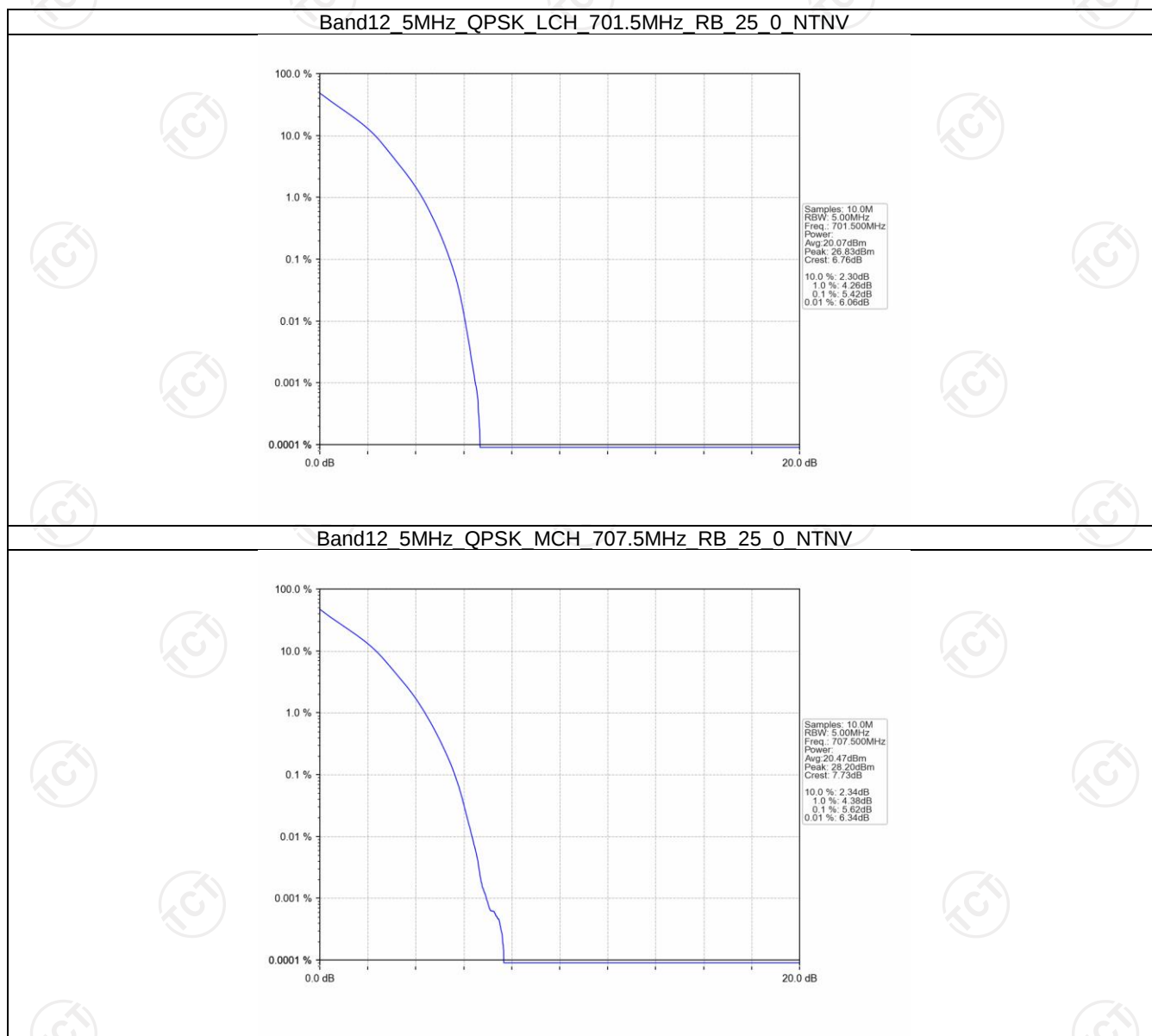
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



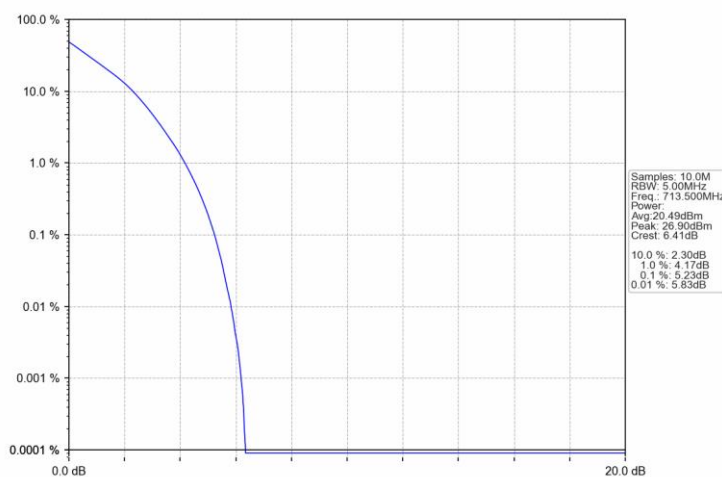
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



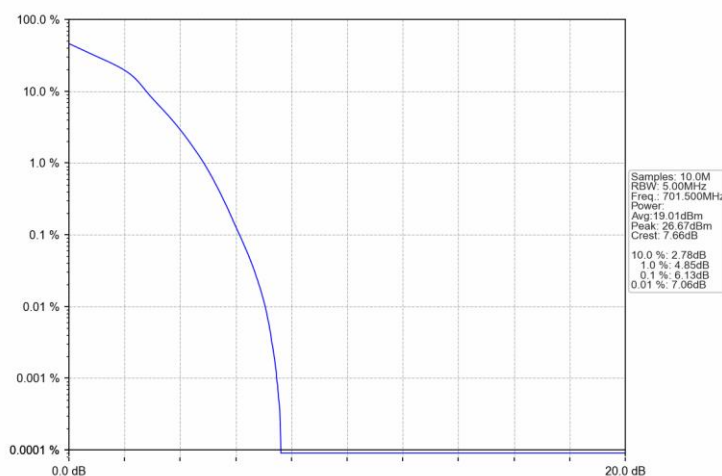
5.2.3 B12_5MHz



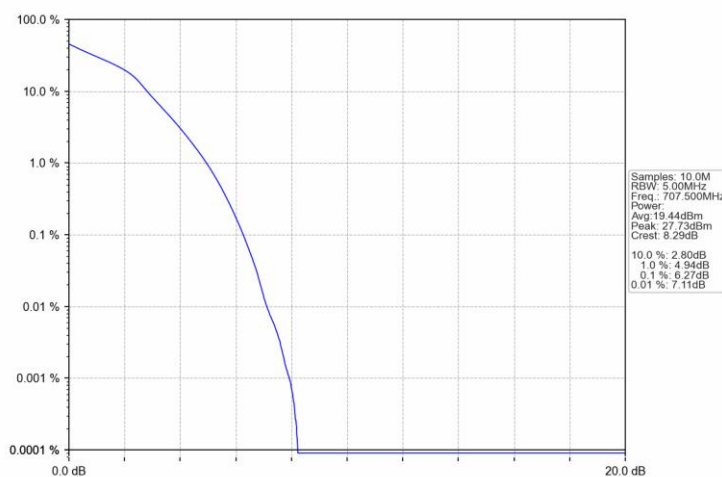
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



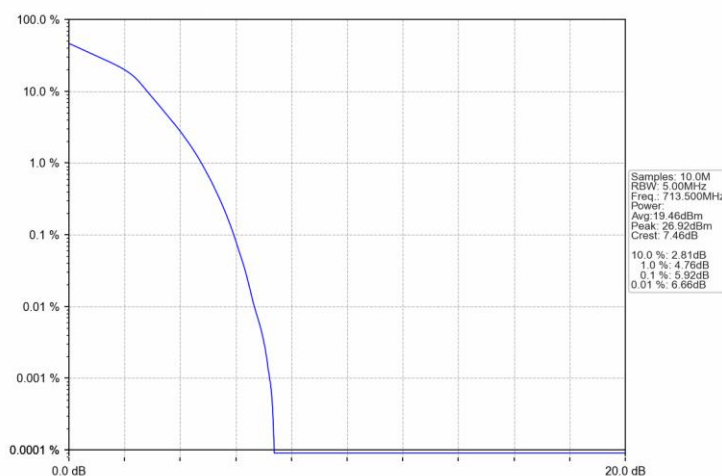
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



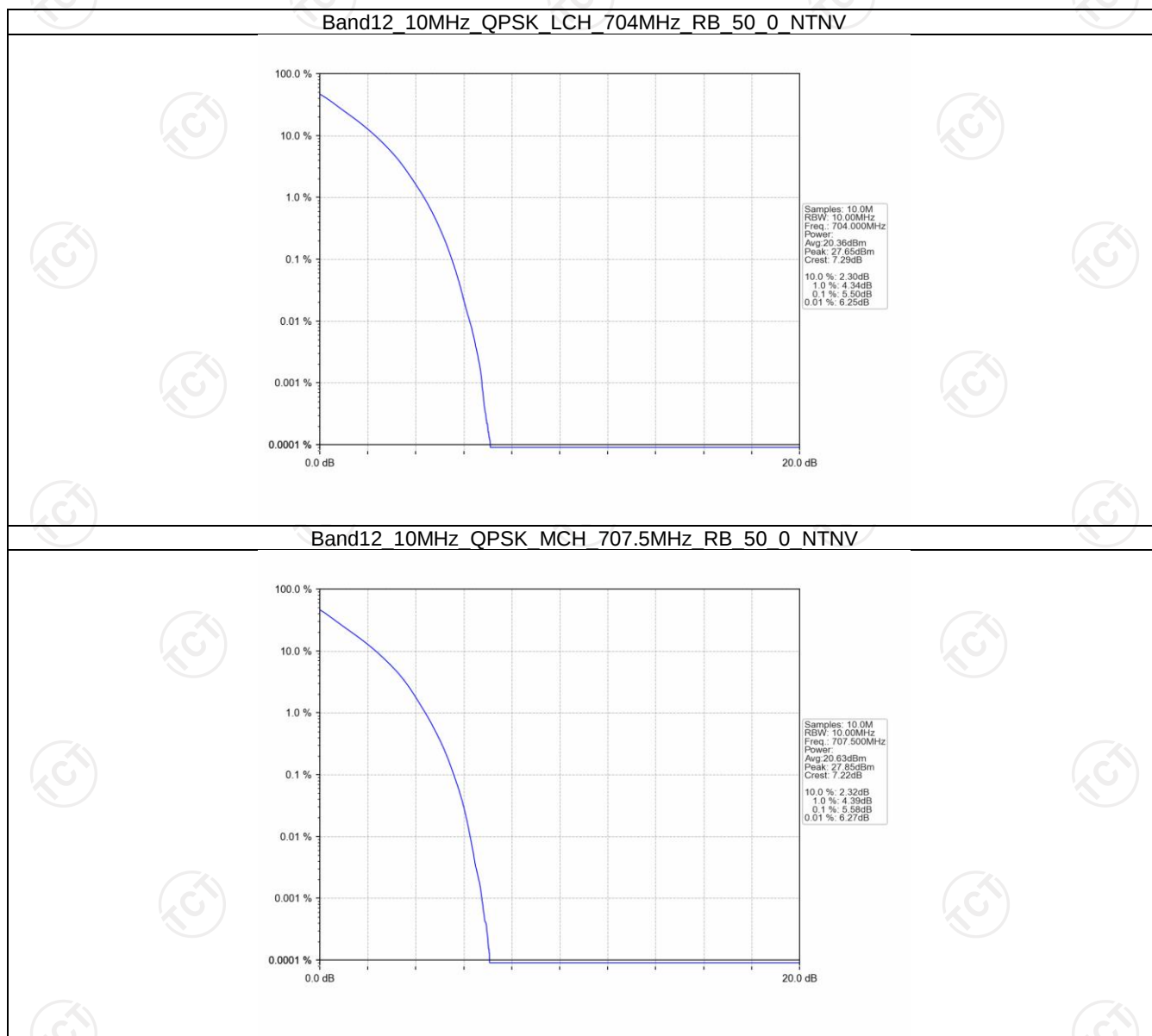
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



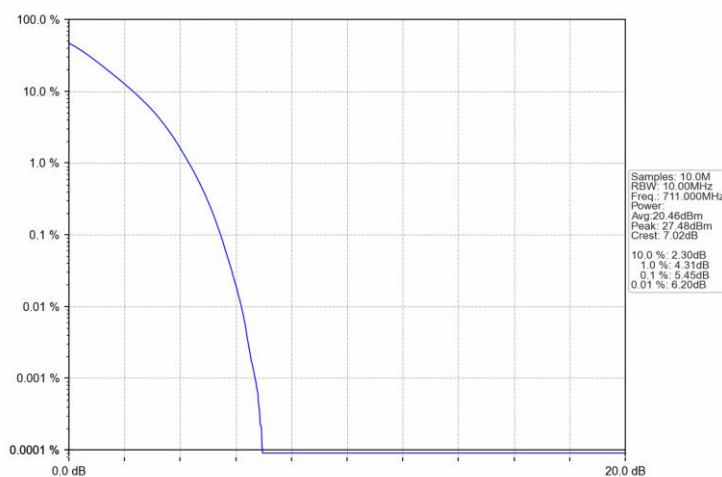
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



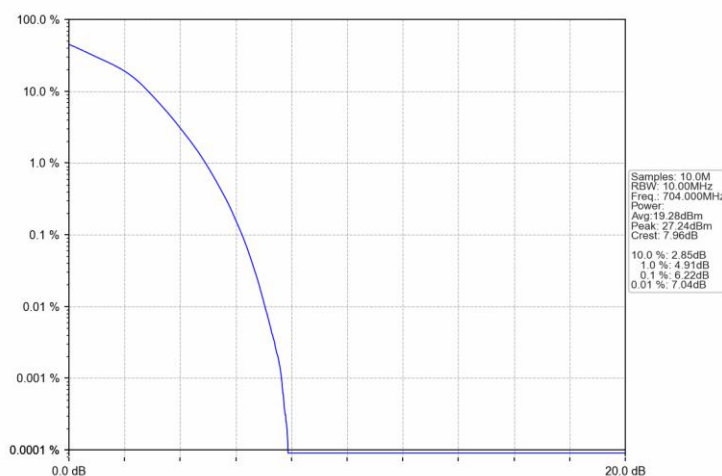
5.2.4 B12_10MHz



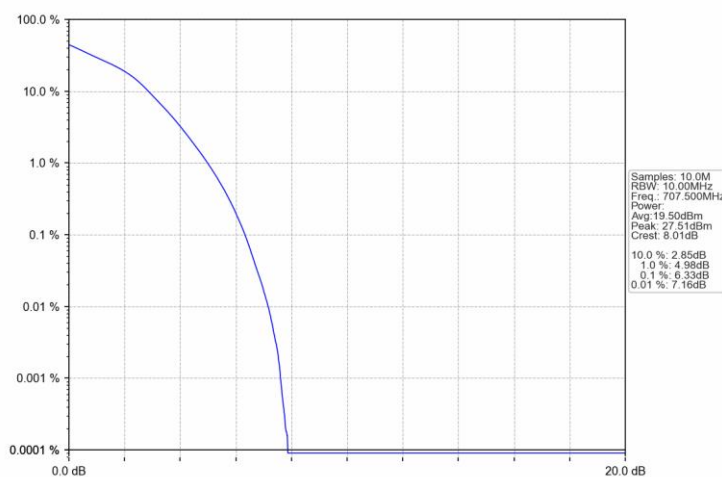
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



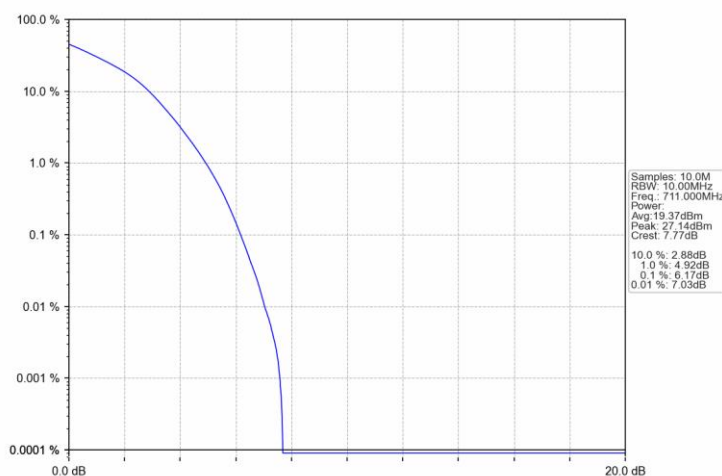
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTN



Band12 10MHz 16QAM HCH 711MHz RB 50 0 NTN



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
		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		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
		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		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
		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

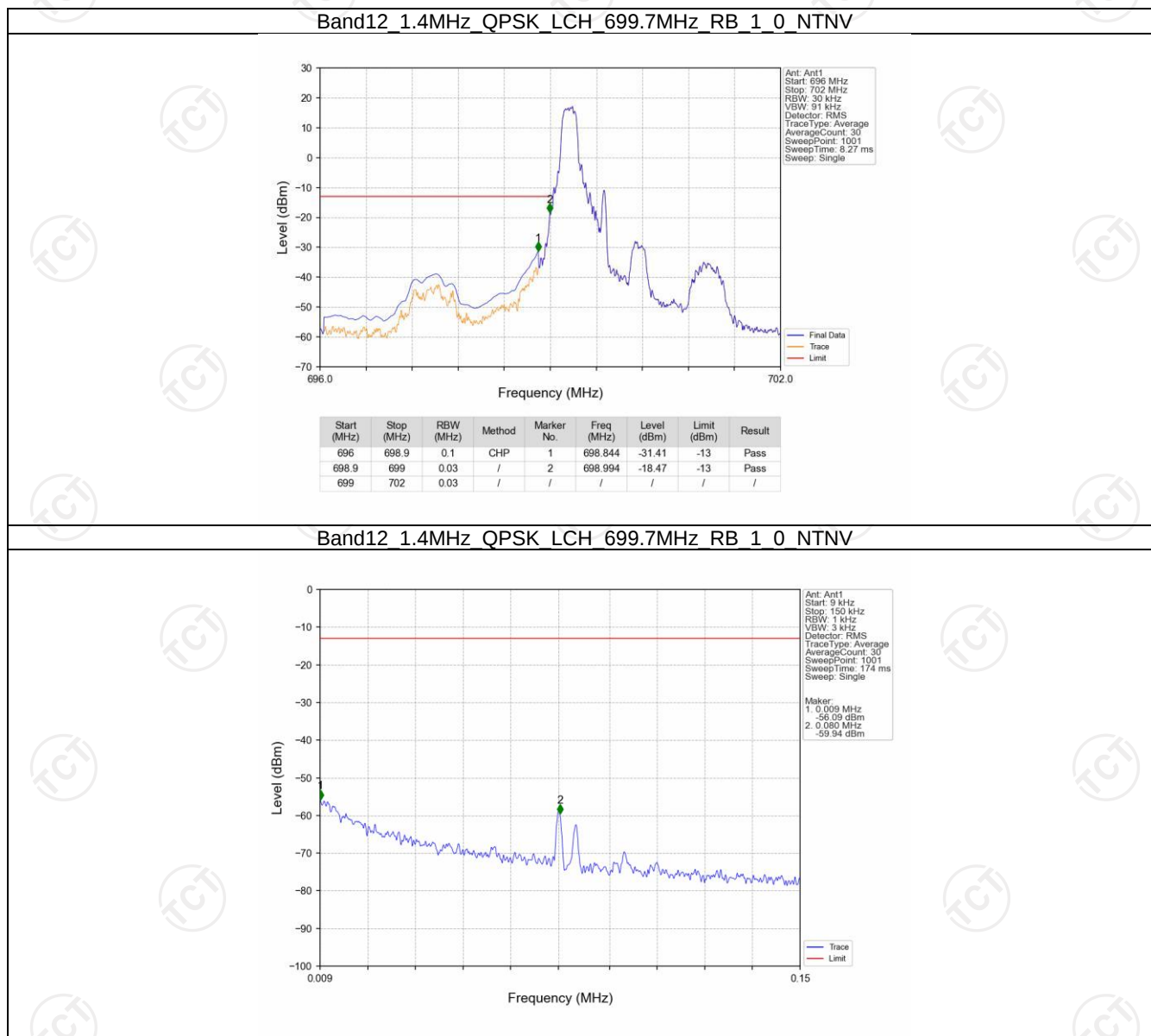
		25	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B12_10MHz

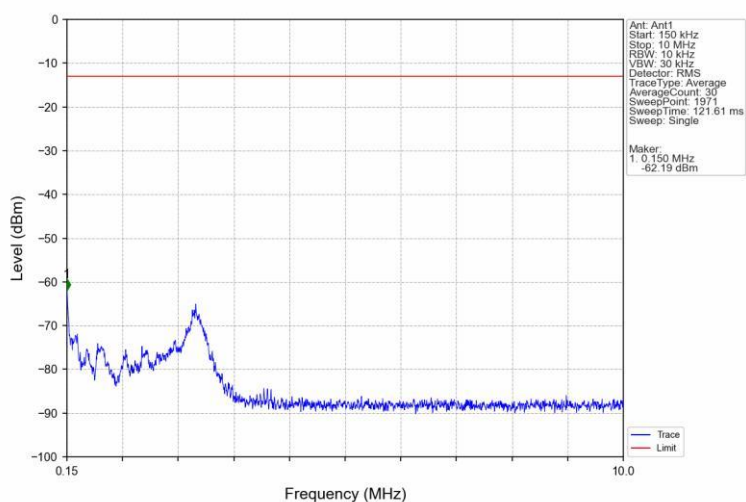
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

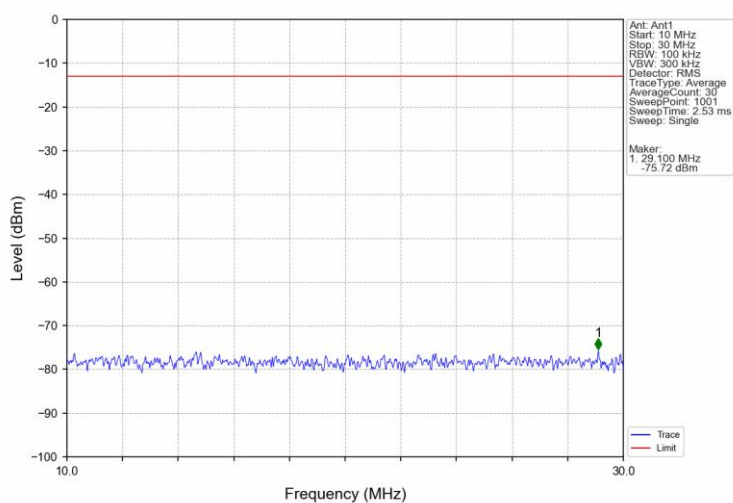
6.2.1 B12_1.4MHz



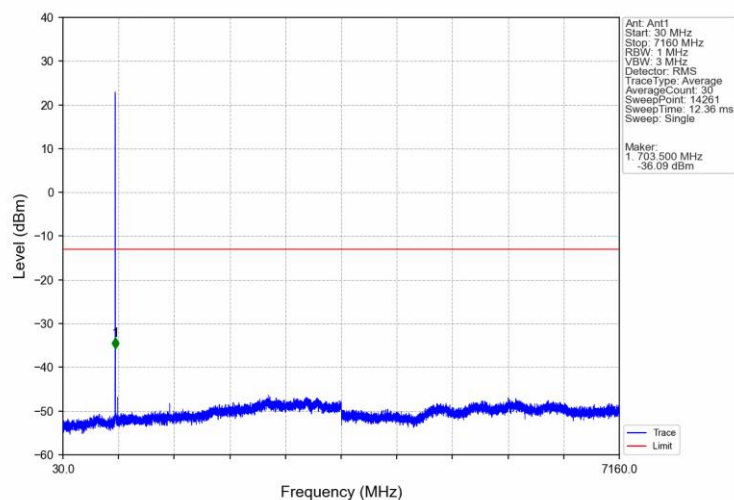
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTV



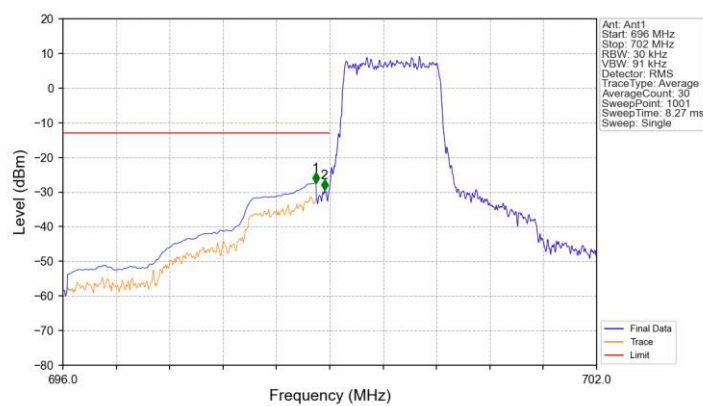
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTV



Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTV

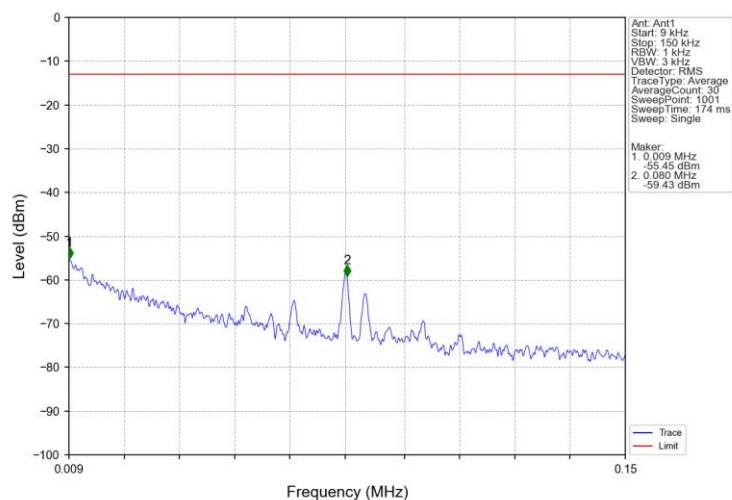


Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTV

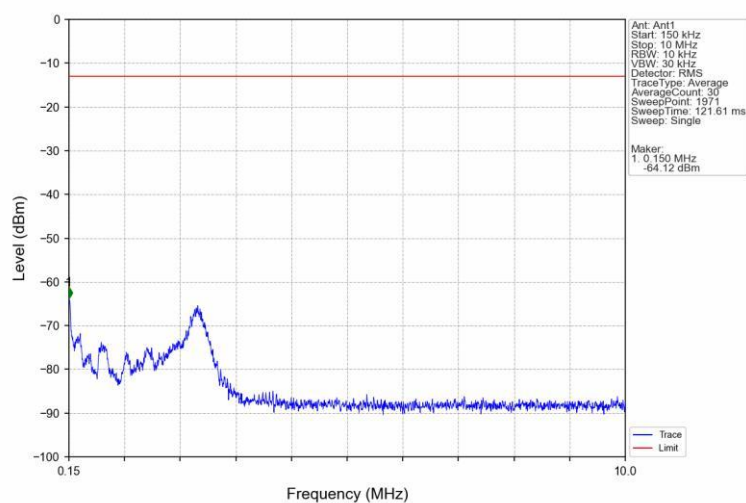


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-27.41	-13	Pass
698.9	699	0.03	/	2	698.940	-29.54	-13	Pass
699	702	0.03	/	/	/	/	/	/

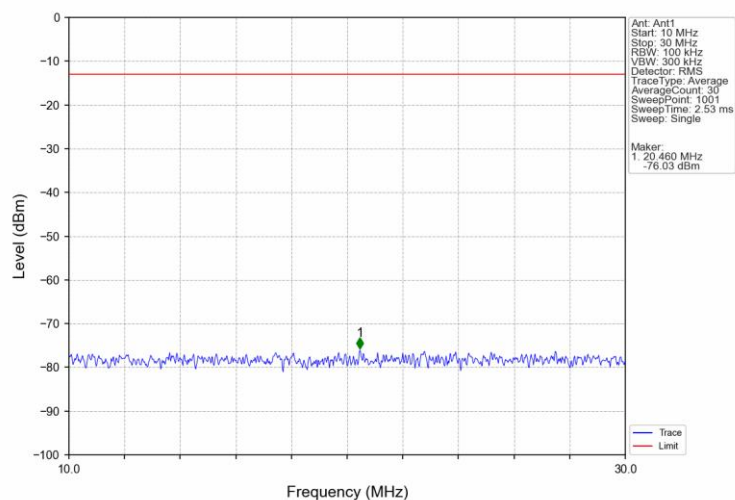
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTV



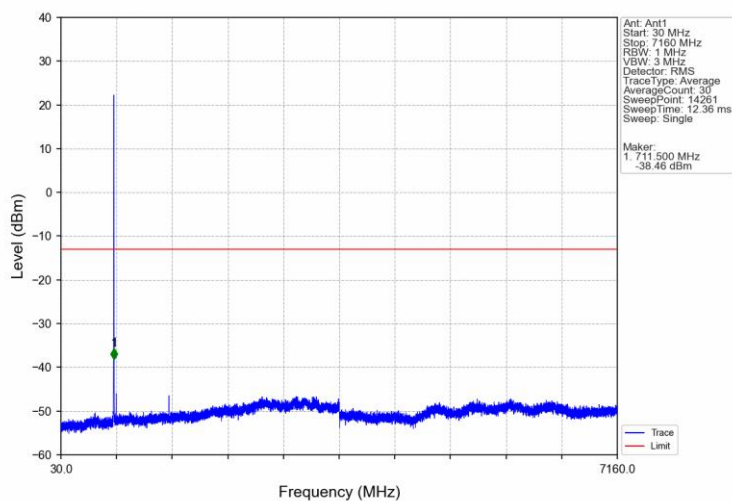
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTV



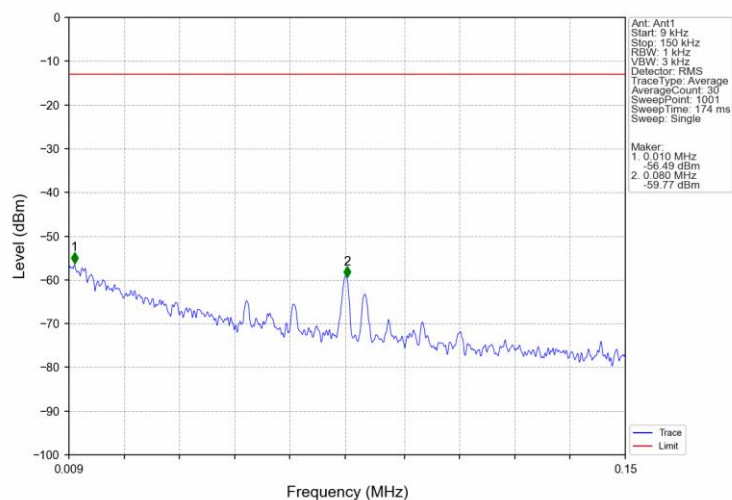
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTV



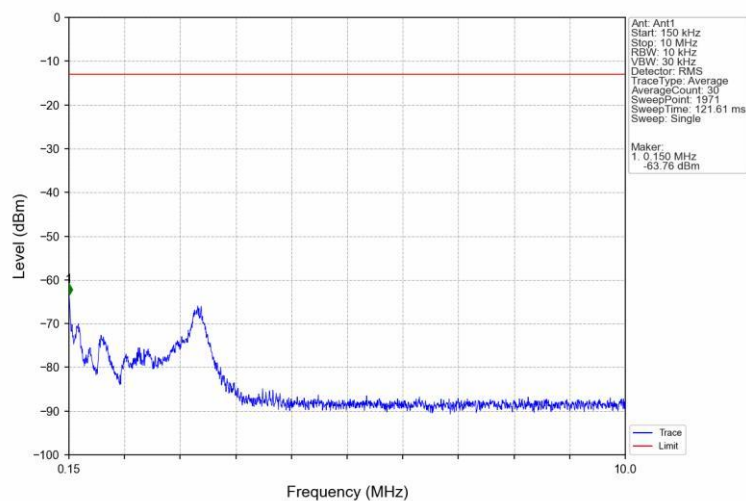
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTV



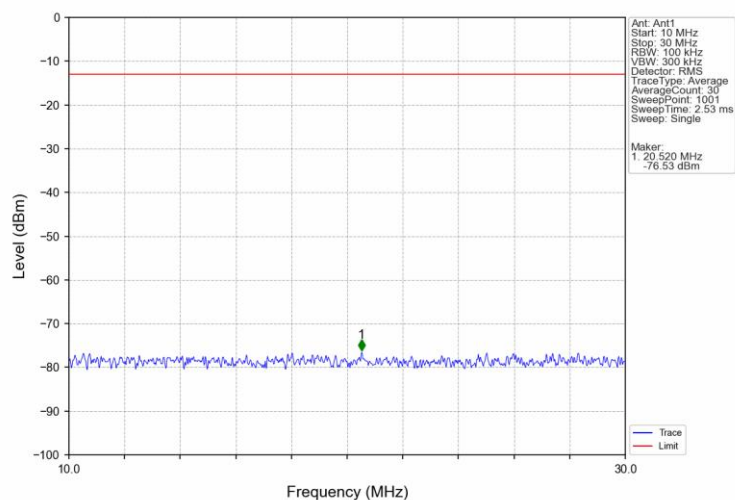
Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTV



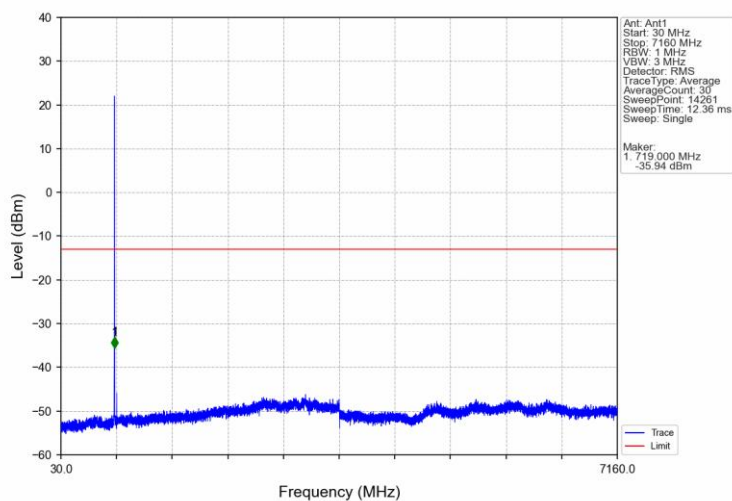
Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTV



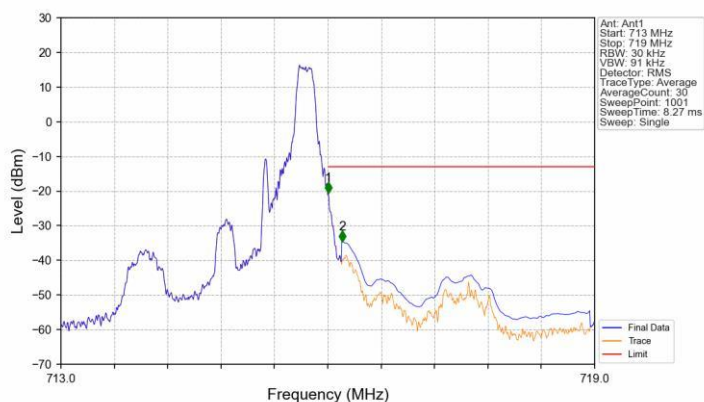
Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTV



Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTV

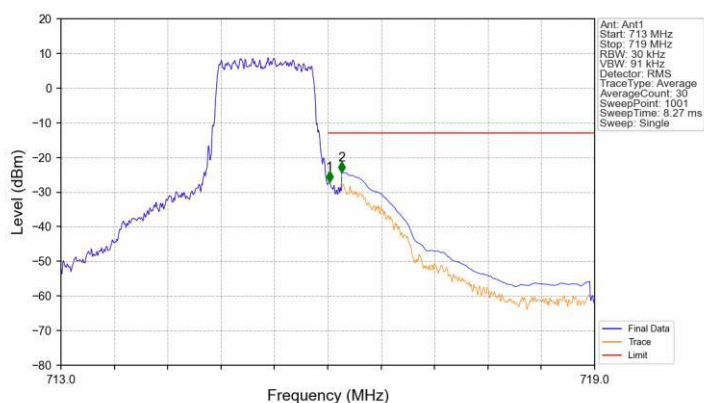


Band12 1.4MHz QPSK HCH 715.3MHz RB 1 5 NTNV



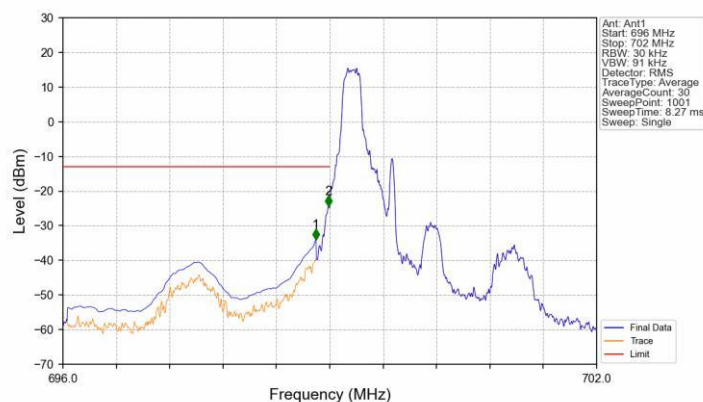
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-20.66	-13	Pass
716.1	719	0.1	CHP	2	716.162	-34.64	-13	Pass

Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



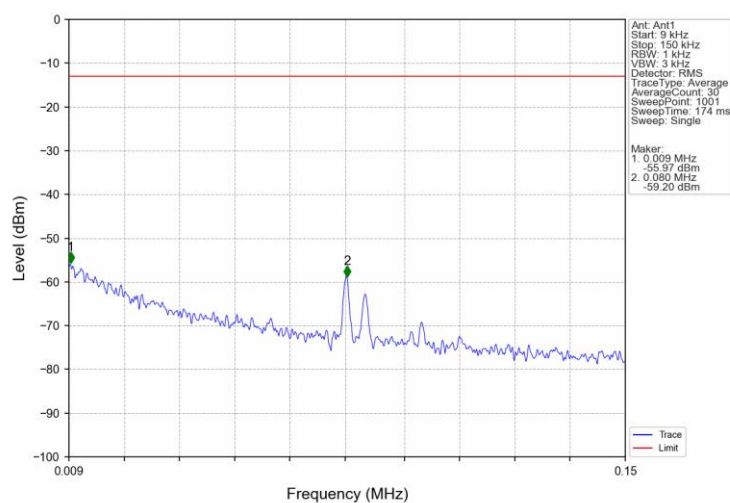
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.018	-27.08	-13	Pass
716.1	719	0.1	CHP	2	716.156	-24.34	-13	Pass

Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTV

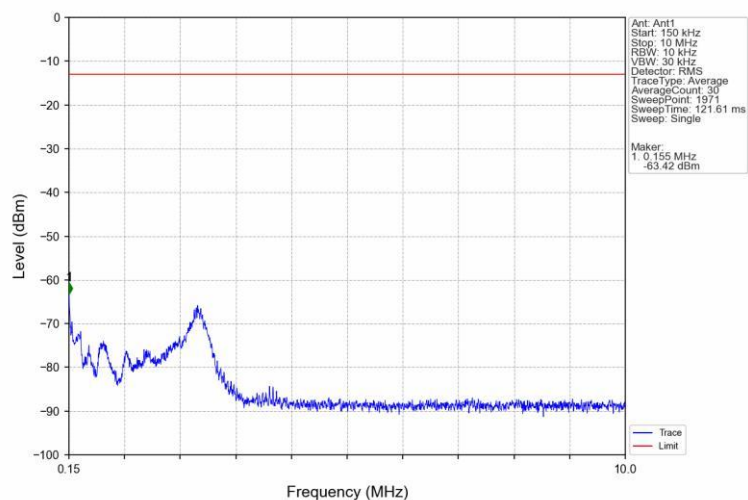


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-34.00	-13	Pass
698.9	699	0.03	/	2	698.988	-24.32	-13	Pass
699	702	0.03	/	/	/	/	/	/

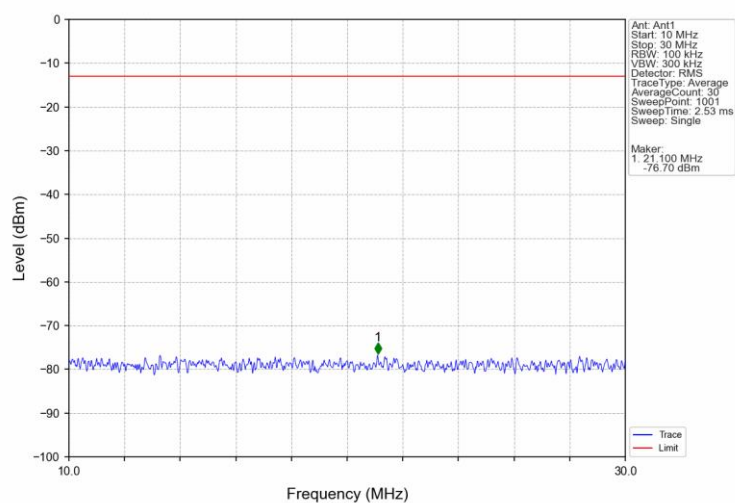
Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTV



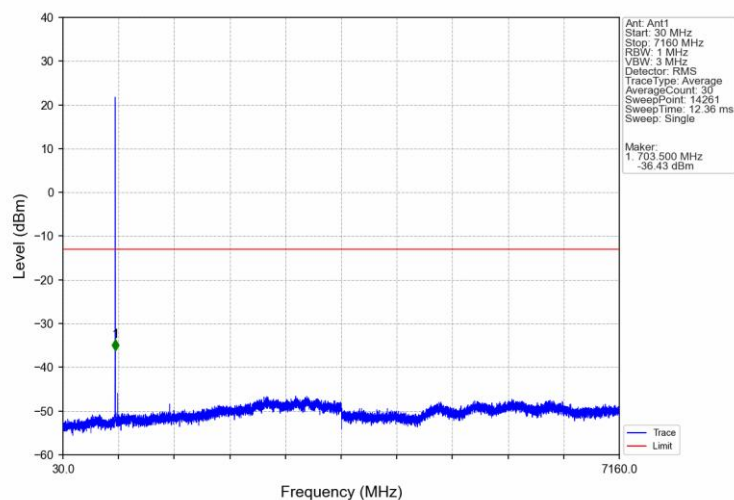
Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTNV



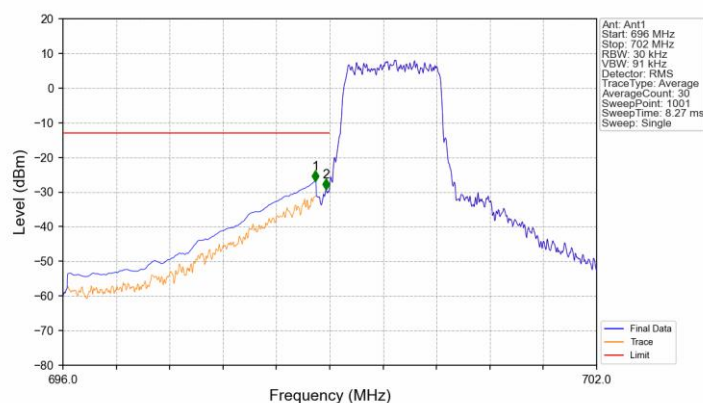
Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTNV



Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTNV

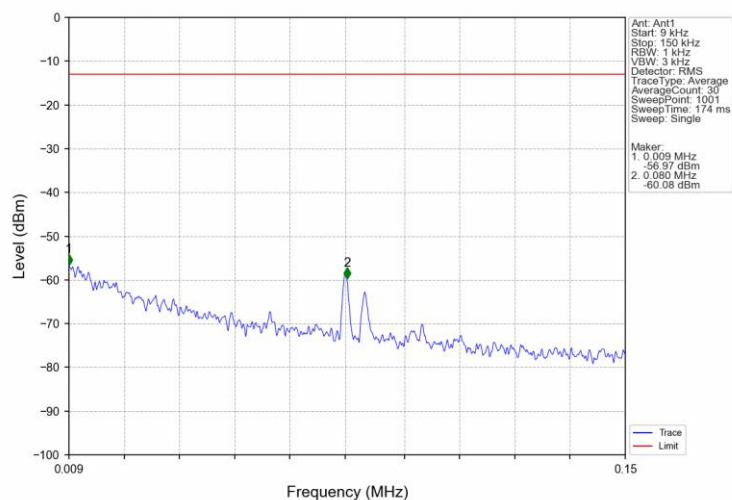


Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV

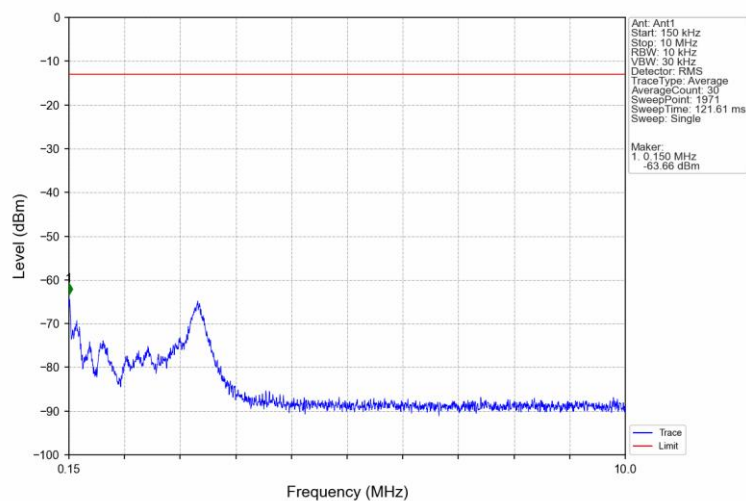


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.838	-26.88	-13	Pass
698.9	699	0.03	/	2	698.958	-29.31	-13	Pass
699	702	0.03	/	/	/	/	/	/

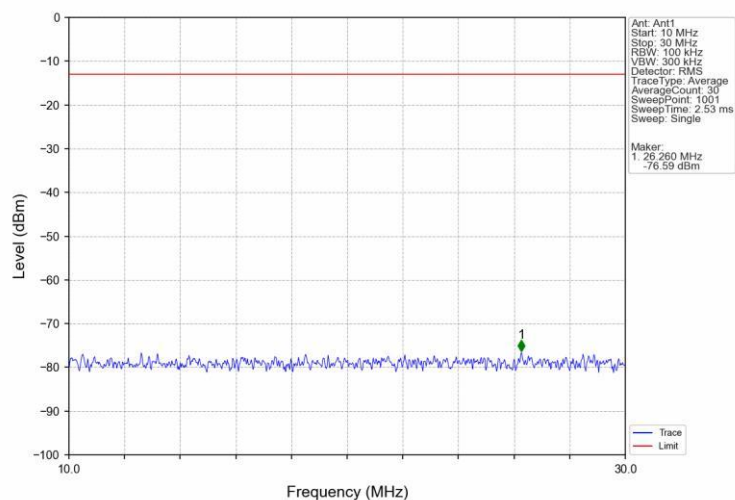
Band12 1.4MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



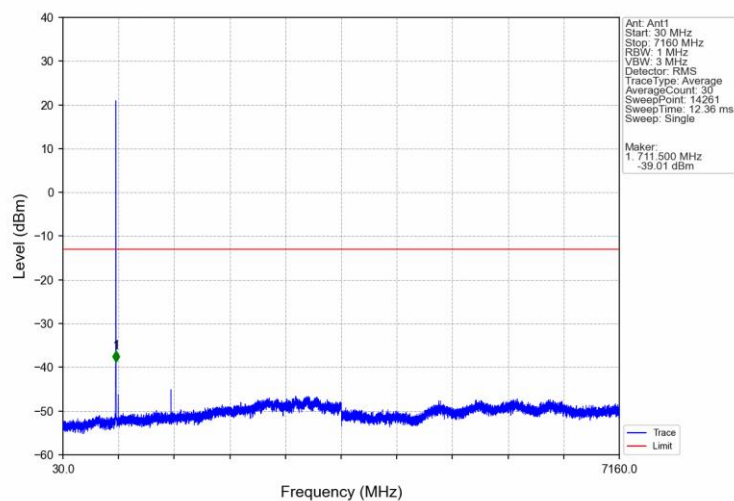
Band12 1.4MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



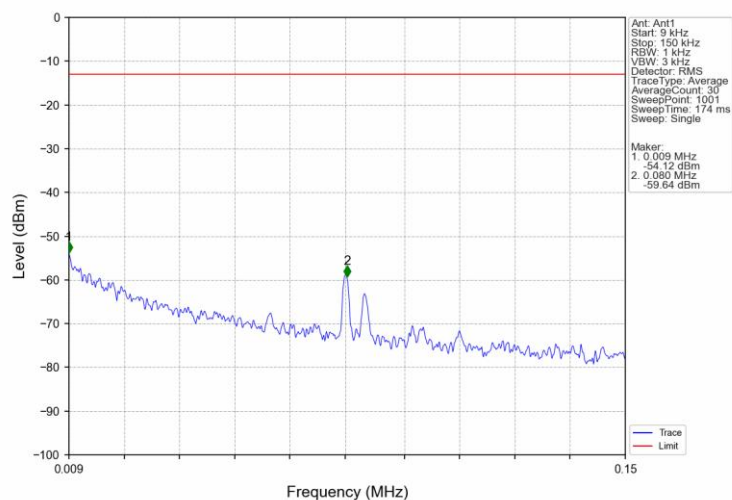
Band12 1.4MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



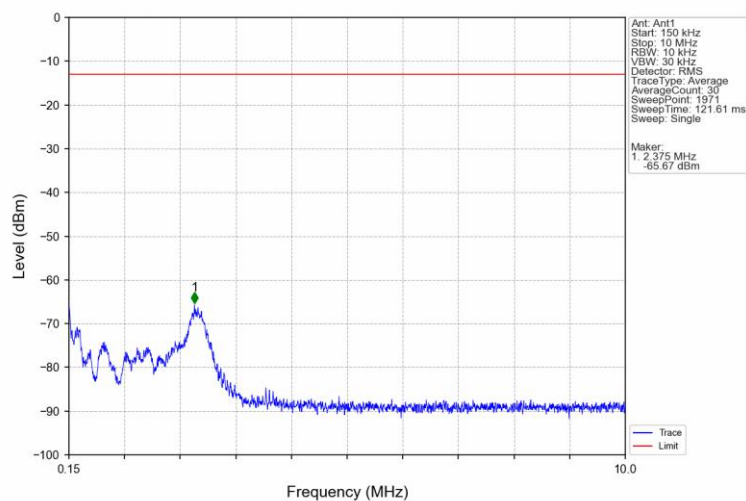
Band12 1.4MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



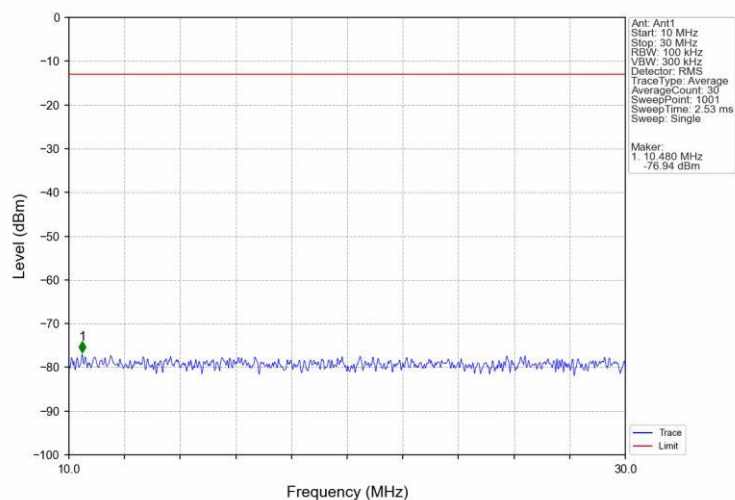
Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 0 NTNV



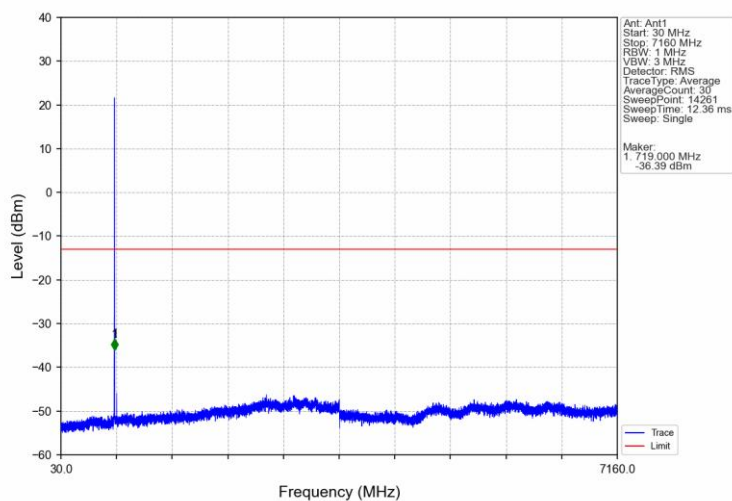
Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 0 NTNV



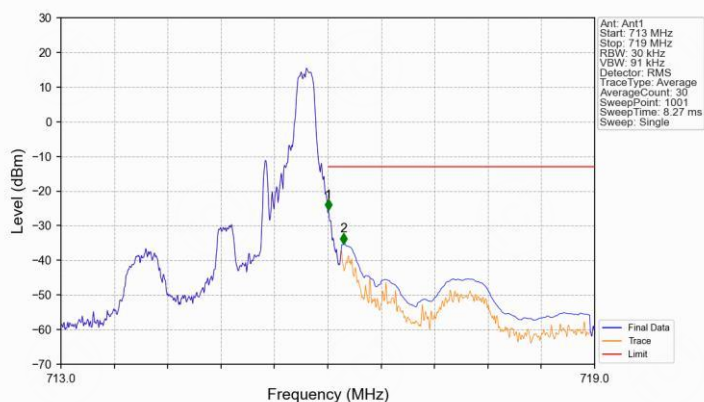
Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 0 NTNV



Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 0 NTNV

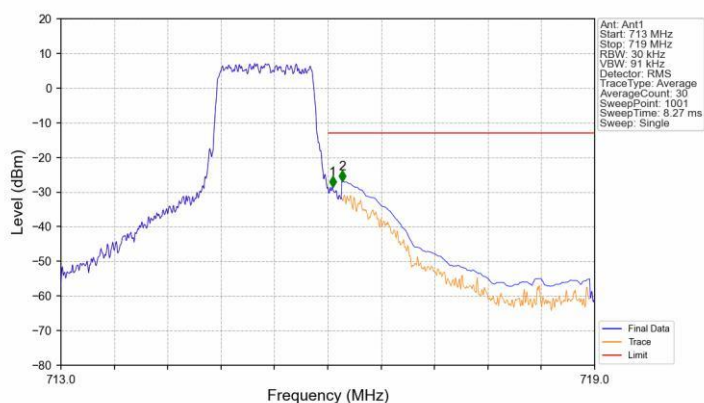


Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 5 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-25.57	-13	Pass
716.1	719	0.1	CHP	2	716.180	-35.25	-13	Pass

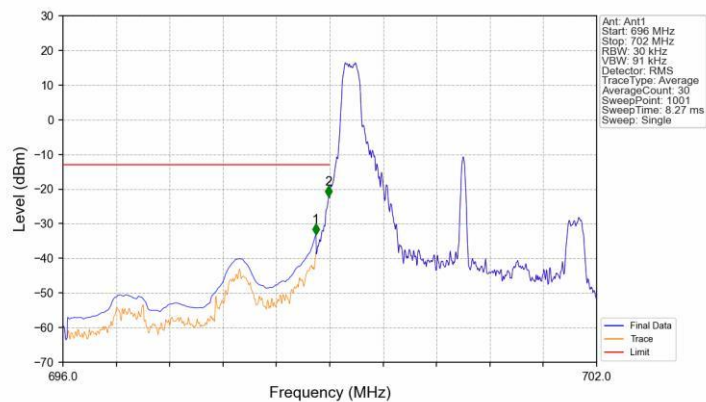
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.054	-28.60	-13	Pass
716.1	719	0.1	CHP	2	716.162	-26.97	-13	Pass

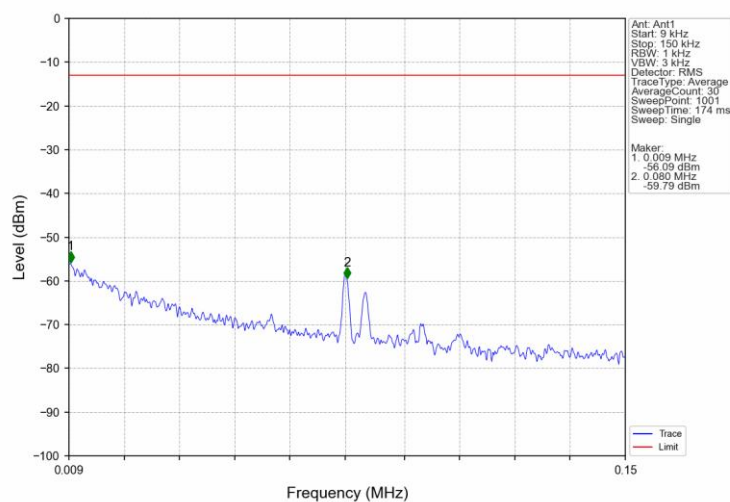
6.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

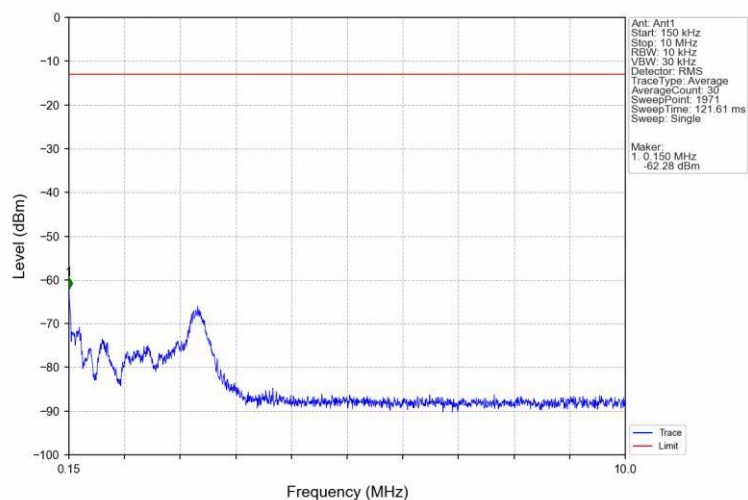


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-33.12	-13	Pass
698.9	699	0.03	/	2	698.988	-22.15	-13	Pass
699	702	0.03	/	/	/	/	/	/

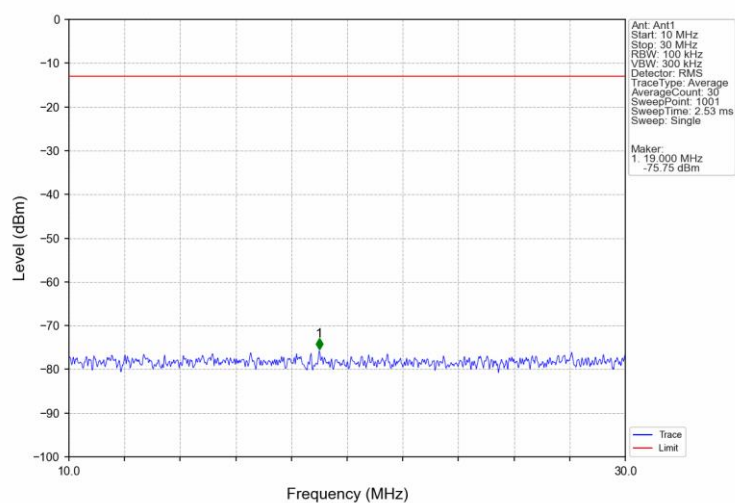
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



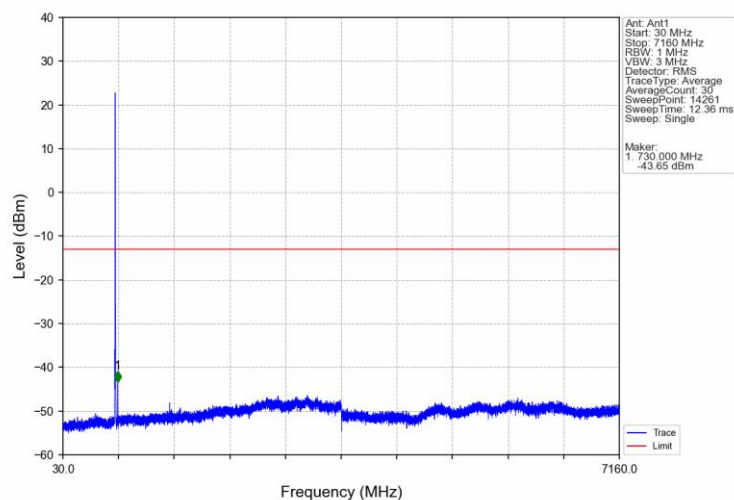
Band12 3MHz QPSK LCH 700.5MHz RB 1 0 NTN



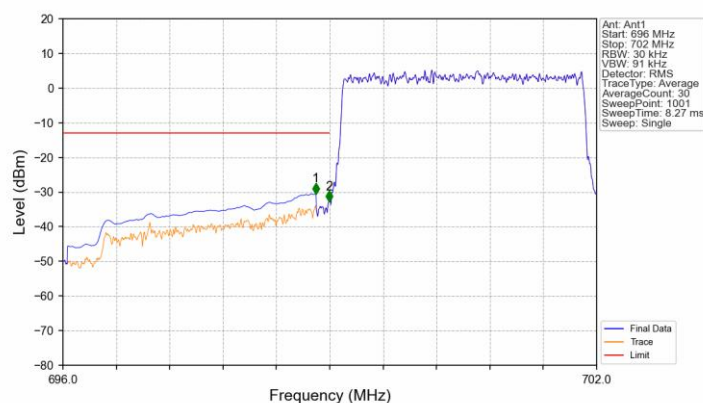
Band12 3MHz QPSK LCH 700.5MHz RB 1 0 NTN



Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_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	-30.49	-13	Pass
698.9	699	0.03	/	2	698.994	-32.68	-13	Pass
699	702	0.03	/	/	/	/	/	/