

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

Band: 12 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	21.46	-1.27	18.04	<=34.77	Pass
			2	21.60	-1.27	18.18	<=34.77	Pass
			5	21.52	-1.27	18.10	<=34.77	Pass
		3	0	21.48	-1.27	18.06	<=34.77	Pass
			2	21.54	-1.27	18.12	<=34.77	Pass
			3	21.49	-1.27	18.07	<=34.77	Pass
		6	0	20.47	-1.27	17.05	<=34.77	Pass
	707.5	1	0	21.34	-1.27	17.92	<=34.77	Pass
			2	21.35	-1.27	17.93	<=34.77	Pass
			5	21.48	-1.27	18.06	<=34.77	Pass
		3	0	21.18	-1.27	17.76	<=34.77	Pass
			2	21.33	-1.27	17.91	<=34.77	Pass
			3	21.38	-1.27	17.96	<=34.77	Pass
		6	0	20.38	-1.27	16.96	<=34.77	Pass
	715.3	1	0	21.31	-1.27	17.89	<=34.77	Pass
			2	21.18	-1.27	17.76	<=34.77	Pass
			5	21.23	-1.27	17.81	<=34.77	Pass
		3	0	21.32	-1.27	17.90	<=34.77	Pass
			2	21.24	-1.27	17.82	<=34.77	Pass
			3	21.29	-1.27	17.87	<=34.77	Pass
		6	0	20.19	-1.27	16.77	<=34.77	Pass
16QAM	699.7	1	0	20.50	-1.27	17.08	<=34.77	Pass
			2	20.53	-1.27	17.11	<=34.77	Pass
			5	20.69	-1.27	17.27	<=34.77	Pass
		3	0	20.28	-1.27	16.86	<=34.77	Pass
			2	20.28	-1.27	16.86	<=34.77	Pass
			3	20.23	-1.27	16.81	<=34.77	Pass
		6	0	19.63	-1.27	16.21	<=34.77	Pass
	707.5	1	0	20.97	-1.27	17.55	<=34.77	Pass
			2	20.98	-1.27	17.56	<=34.77	Pass
			5	20.98	-1.27	17.56	<=34.77	Pass
		3	0	20.42	-1.27	17.00	<=34.77	Pass
			2	20.44	-1.27	17.02	<=34.77	Pass
			3	20.33	-1.27	16.91	<=34.77	Pass
		6	0	19.63	-1.27	16.21	<=34.77	Pass
	715.3	1	0	20.88	-1.27	17.46	<=34.77	Pass
			2	20.86	-1.27	17.44	<=34.77	Pass
			5	20.87	-1.27	17.45	<=34.77	Pass
		3	0	20.05	-1.27	16.63	<=34.77	Pass
			2	20.09	-1.27	16.67	<=34.77	Pass
			3	20.09	-1.27	16.67	<=34.77	Pass
		6	0	19.28	-1.27	15.86	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTNV								
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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	21.55	-1.27	18.13	<=34.77	Pass
			7	21.48	-1.27	18.06	<=34.77	Pass
			14	21.53	-1.27	18.11	<=34.77	Pass
		8	0	20.52	-1.27	17.10	<=34.77	Pass
			4	20.46	-1.27	17.04	<=34.77	Pass
			7	20.48	-1.27	17.06	<=34.77	Pass
		15	0	20.38	-1.27	16.96	<=34.77	Pass
	707.5	1	0	21.26	-1.27	17.84	<=34.77	Pass
			7	21.22	-1.27	17.80	<=34.77	Pass
			14	21.15	-1.27	17.73	<=34.77	Pass
		8	0	20.31	-1.27	16.89	<=34.77	Pass
			4	20.22	-1.27	16.80	<=34.77	Pass
			7	20.28	-1.27	16.86	<=34.77	Pass
		15	0	20.21	-1.27	16.79	<=34.77	Pass
	714.5	1	0	21.31	-1.27	17.89	<=34.77	Pass
			7	21.27	-1.27	17.85	<=34.77	Pass
			14	21.12	-1.27	17.70	<=34.77	Pass
		8	0	20.22	-1.27	16.80	<=34.77	Pass
			4	20.22	-1.27	16.80	<=34.77	Pass
			7	20.25	-1.27	16.83	<=34.77	Pass
		15	0	20.28	-1.27	16.86	<=34.77	Pass
16QAM	700.5	1	0	20.54	-1.27	17.12	<=34.77	Pass
			7	20.47	-1.27	17.05	<=34.77	Pass
			14	20.55	-1.27	17.13	<=34.77	Pass
		8	0	19.62	-1.27	16.20	<=34.77	Pass
			4	19.65	-1.27	16.23	<=34.77	Pass
			7	20.00	-1.27	16.58	<=34.77	Pass
		15	0	19.48	-1.27	16.06	<=34.77	Pass
	707.5	1	0	21.60	-1.27	18.18	<=34.77	Pass
			7	21.53	-1.27	18.11	<=34.77	Pass
			14	20.92	-1.27	17.50	<=34.77	Pass
		8	0	19.84	-1.27	16.42	<=34.77	Pass
			4	19.40	-1.27	15.98	<=34.77	Pass
			7	19.36	-1.27	15.94	<=34.77	Pass
		15	0	19.41	-1.27	15.99	<=34.77	Pass
	714.5	1	0	21.08	-1.27	17.66	<=34.77	Pass
			7	20.97	-1.27	17.55	<=34.77	Pass
			14	20.89	-1.27	17.47	<=34.77	Pass
		8	0	19.54	-1.27	16.12	<=34.77	Pass
			4	19.52	-1.27	16.10	<=34.77	Pass
			7	19.53	-1.27	16.11	<=34.77	Pass
		15	0	19.33	-1.27	15.91	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	21.24	-1.27	17.82	<=34.77	Pass
			13	21.27	-1.27	17.85	<=34.77	Pass
			24	21.26	-1.27	17.84	<=34.77	Pass
		12	0	20.39	-1.27	16.97	<=34.77	Pass
			6	20.45	-1.27	17.03	<=34.77	Pass
			13	20.38	-1.27	16.96	<=34.77	Pass

16QAM	707.5	25	0	20.47	-1.27	17.05	<=34.77	Pass
			0	21.31	-1.27	17.89	<=34.77	Pass
			13	21.17	-1.27	17.75	<=34.77	Pass
			24	21.21	-1.27	17.79	<=34.77	Pass
		12	0	20.26	-1.27	16.84	<=34.77	Pass
			6	20.25	-1.27	16.83	<=34.77	Pass
			13	20.18	-1.27	16.76	<=34.77	Pass
		25	0	20.33	-1.27	16.91	<=34.77	Pass
	713.5	1	0	21.27	-1.27	17.85	<=34.77	Pass
			13	21.14	-1.27	17.72	<=34.77	Pass
			24	21.11	-1.27	17.69	<=34.77	Pass
		12	0	20.19	-1.27	16.77	<=34.77	Pass
			6	20.19	-1.27	16.77	<=34.77	Pass
			13	20.27	-1.27	16.85	<=34.77	Pass
		25	0	20.18	-1.27	16.76	<=34.77	Pass
	701.5	1	0	20.91	-1.27	17.49	<=34.77	Pass
			13	20.93	-1.27	17.51	<=34.77	Pass
			24	20.90	-1.27	17.48	<=34.77	Pass
		12	0	19.40	-1.27	15.98	<=34.77	Pass
			6	19.87	-1.27	16.45	<=34.77	Pass
			13	19.76	-1.27	16.34	<=34.77	Pass
		25	0	19.86	-1.27	16.44	<=34.77	Pass
	707.5	1	0	20.73	-1.27	17.31	<=34.77	Pass
			13	20.45	-1.27	17.03	<=34.77	Pass
			24	20.46	-1.27	17.04	<=34.77	Pass
		12	0	19.63	-1.27	16.21	<=34.77	Pass
			6	19.19	-1.27	15.77	<=34.77	Pass
			13	19.18	-1.27	15.76	<=34.77	Pass
		25	0	19.24	-1.27	15.82	<=34.77	Pass
	713.5	1	0	19.72	-1.27	16.30	<=34.77	Pass
			13	19.77	-1.27	16.35	<=34.77	Pass
			24	19.69	-1.27	16.27	<=34.77	Pass
		12	0	19.39	-1.27	15.97	<=34.77	Pass
			6	19.35	-1.27	15.93	<=34.77	Pass
			13	19.23	-1.27	15.81	<=34.77	Pass
		25	0	19.36	-1.27	15.94	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	21.35	-1.27	17.93	<=34.77	Pass
			25	21.39	-1.27	17.97	<=34.77	Pass
			49	21.23	-1.27	17.81	<=34.77	Pass
		25	0	20.41	-1.27	16.99	<=34.77	Pass
			13	20.42	-1.27	17.00	<=34.77	Pass
			25	20.35	-1.27	16.93	<=34.77	Pass
		50	0	20.39	-1.27	16.97	<=34.77	Pass
	707.5	1	0	21.34	-1.27	17.92	<=34.77	Pass
			25	21.33	-1.27	17.91	<=34.77	Pass
			49	21.33	-1.27	17.91	<=34.77	Pass
		25	0	20.26	-1.27	16.84	<=34.77	Pass
			13	20.30	-1.27	16.88	<=34.77	Pass
			25	20.22	-1.27	16.80	<=34.77	Pass
		50	0	20.23	-1.27	16.81	<=34.77	Pass

16QAM	711	1	0	21.19	-1.27	17.77	<=34.77	Pass
			25	21.11	-1.27	17.69	<=34.77	Pass
			49	21.12	-1.27	17.70	<=34.77	Pass
		25	0	20.24	-1.27	16.82	<=34.77	Pass
			13	20.29	-1.27	16.87	<=34.77	Pass
			25	20.27	-1.27	16.85	<=34.77	Pass
		50	0	20.22	-1.27	16.80	<=34.77	Pass
	704	1	0	20.39	-1.27	16.97	<=34.77	Pass
			25	20.36	-1.27	16.94	<=34.77	Pass
			49	20.34	-1.27	16.92	<=34.77	Pass
		25	0	19.90	-1.27	16.48	<=34.77	Pass
			13	19.88	-1.27	16.46	<=34.77	Pass
			25	19.84	-1.27	16.42	<=34.77	Pass
		50	0	19.74	-1.27	16.32	<=34.77	Pass
	707.5	1	0	20.92	-1.27	17.50	<=34.77	Pass
			25	20.85	-1.27	17.43	<=34.77	Pass
			49	20.77	-1.27	17.35	<=34.77	Pass
		25	0	19.81	-1.27	16.39	<=34.77	Pass
			13	19.38	-1.27	15.96	<=34.77	Pass
			25	19.36	-1.27	15.94	<=34.77	Pass
		50	0	19.32	-1.27	15.90	<=34.77	Pass
	711	1	0	20.77	-1.27	17.35	<=34.77	Pass
			25	20.77	-1.27	17.35	<=34.77	Pass
			49	20.74	-1.27	17.32	<=34.77	Pass
		25	0	19.32	-1.27	15.90	<=34.77	Pass
			13	19.26	-1.27	15.84	<=34.77	Pass
			25	19.28	-1.27	15.86	<=34.77	Pass
		50	0	19.26	-1.27	15.84	<=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	-5.364	-0.0077	-2.5 to 2.5	Pass
					3.85	-4.063	-0.0058	-2.5 to 2.5	Pass
					4.43	-21.443	-0.0306	-2.5 to 2.5	Pass
				-30	3.85	-39.253	-0.0561	-2.5 to 2.5	Pass
				-20	3.85	-2.546	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-21.143	-0.0302	-2.5 to 2.5	Pass
				0	3.85	-29.855	-0.0427	-2.5 to 2.5	Pass
				10	3.85	-34.132	-0.0488	-2.5 to 2.5	Pass
				30	3.85	-45.476	-0.0650	-2.5 to 2.5	Pass
				40	3.85	-2.475	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-4.206	-0.0060	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-38.238	-0.0540	-2.5 to 2.5	Pass
					3.85	-22.087	-0.0312	-2.5 to 2.5	Pass
					4.43	-19.398	-0.0274	-2.5 to 2.5	Pass
				-30	3.85	-6.709	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-4.892	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-33.488	-0.0473	-2.5 to 2.5	Pass

	715.3	6	0	0	3.85	-9.141	-0.0129	-2.5 to 2.5	Pass
				10	3.85	-28.367	-0.0401	-2.5 to 2.5	Pass
				30	3.85	-1.802	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-25.105	-0.0355	-2.5 to 2.5	Pass
				50	3.85	-37.851	-0.0535	-2.5 to 2.5	Pass
				20	3.27	15.192	0.0212	-2.5 to 2.5	Pass
					3.85	9.742	0.0136	-2.5 to 2.5	Pass
					4.43	-2.646	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-10.700	-0.0150	-2.5 to 2.5	Pass
				-20	3.85	-13.518	-0.0189	-2.5 to 2.5	Pass
				-10	3.85	-32.458	-0.0454	-2.5 to 2.5	Pass
				0	3.85	-31.729	-0.0444	-2.5 to 2.5	Pass
				10	3.85	-35.820	-0.0501	-2.5 to 2.5	Pass
				30	3.85	-40.483	-0.0566	-2.5 to 2.5	Pass
				40	3.85	-1.745	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-7.353	-0.0105	-2.5 to 2.5	Pass
					3.85	-2.189	-0.0031	-2.5 to 2.5	Pass
					4.43	1.202	0.0017	-2.5 to 2.5	Pass
				-30	3.85	-2.718	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.187	0.0017	-2.5 to 2.5	Pass
				0	3.85	-14.262	-0.0204	-2.5 to 2.5	Pass
				10	3.85	-22.802	-0.0326	-2.5 to 2.5	Pass
				30	3.85	-12.431	-0.0178	-2.5 to 2.5	Pass
				40	3.85	-10.872	-0.0155	-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	-2.618	-0.0037	-2.5 to 2.5	Pass
					3.85	-12.245	-0.0173	-2.5 to 2.5	Pass
					4.43	-9.513	-0.0134	-2.5 to 2.5	Pass
				-30	3.85	-5.708	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-3.991	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-6.781	-0.0096	-2.5 to 2.5	Pass
				0	3.85	-28.982	-0.0410	-2.5 to 2.5	Pass
				10	3.85	-38.638	-0.0546	-2.5 to 2.5	Pass
				30	3.85	-31.857	-0.0450	-2.5 to 2.5	Pass
				40	3.85	-35.577	-0.0503	-2.5 to 2.5	Pass
				50	3.85	-3.319	0.0047	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-3.190	-0.0045	-2.5 to 2.5	Pass
					3.85	5.851	0.0082	-2.5 to 2.5	Pass
					4.43	-13.118	-0.0183	-2.5 to 2.5	Pass
				-30	3.85	-16.265	-0.0227	-2.5 to 2.5	Pass
				-20	3.85	-9.370	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-9.298	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-10.858	-0.0152	-2.5 to 2.5	Pass
				10	3.85	-4.005	-0.0056	-2.5 to 2.5	Pass
				30	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-4.120	-0.0058	-2.5 to 2.5	Pass
				50	3.85	0.286	0.0004	-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	-11.730	-0.0167	-2.5 to 2.5	Pass
					3.85	-37.551	-0.0536	-2.5 to 2.5	Pass

16QAM	707.5	15	0		4.43	-3.076	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-9.828	-0.0140	-2.5 to 2.5	Pass
				-20	3.85	-18.611	-0.0266	-2.5 to 2.5	Pass
				-10	3.85	-10.943	-0.0156	-2.5 to 2.5	Pass
				0	3.85	-18.296	-0.0261	-2.5 to 2.5	Pass
				10	3.85	-21.801	-0.0311	-2.5 to 2.5	Pass
				30	3.85	-37.651	-0.0537	-2.5 to 2.5	Pass
				40	3.85	-39.225	-0.0560	-2.5 to 2.5	Pass
				50	3.85	-42.043	-0.0600	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	14.277	0.0202	-2.5 to 2.5	Pass
				20	3.85	10.929	0.0154	-2.5 to 2.5	Pass
					4.43	1.330	0.0019	-2.5 to 2.5	Pass
				-30	3.85	-6.280	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-18.725	-0.0265	-2.5 to 2.5	Pass
				-10	3.85	-8.969	-0.0127	-2.5 to 2.5	Pass
				0	3.85	-1.302	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-3.691	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-6.480	-0.0092	-2.5 to 2.5	Pass
	714.5	15	0	40	3.85	-4.535	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-19.670	-0.0278	-2.5 to 2.5	Pass
	700.5	15	0	20	3.27	11.916	0.0167	-2.5 to 2.5	Pass
				20	3.85	13.490	0.0189	-2.5 to 2.5	Pass
					4.43	9.885	0.0138	-2.5 to 2.5	Pass
				-30	3.85	7.095	0.0099	-2.5 to 2.5	Pass
				-20	3.85	6.695	0.0094	-2.5 to 2.5	Pass
				-10	3.85	4.907	0.0069	-2.5 to 2.5	Pass
				0	3.85	6.480	0.0091	-2.5 to 2.5	Pass
				10	3.85	0.830	0.0012	-2.5 to 2.5	Pass
				30	3.85	0.458	0.0006	-2.5 to 2.5	Pass
	707.5	15	0	40	3.85	0.815	0.0011	-2.5 to 2.5	Pass
				50	3.85	-3.834	-0.0054	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-45.805	-0.0654	-2.5 to 2.5	Pass
				20	3.85	0.930	0.0013	-2.5 to 2.5	Pass
					4.43	2.232	0.0032	-2.5 to 2.5	Pass
				-30	3.85	5.679	0.0081	-2.5 to 2.5	Pass
				-20	3.85	7.710	0.0110	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				0	3.85	1.860	0.0027	-2.5 to 2.5	Pass
				10	3.85	2.747	0.0039	-2.5 to 2.5	Pass
	707.5	15	0	30	3.85	6.108	0.0087	-2.5 to 2.5	Pass
				40	3.85	6.166	0.0088	-2.5 to 2.5	Pass
				50	3.85	8.612	0.0123	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-18.396	-0.0260	-2.5 to 2.5	Pass
				20	3.85	-10.700	-0.0151	-2.5 to 2.5	Pass
					4.43	-5.593	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	2.761	0.0039	-2.5 to 2.5	Pass
				-20	3.85	13.475	0.0190	-2.5 to 2.5	Pass
				-10	3.85	6.695	0.0095	-2.5 to 2.5	Pass
				0	3.85	-20.013	-0.0283	-2.5 to 2.5	Pass
				10	3.85	-19.341	-0.0273	-2.5 to 2.5	Pass
	714.5	15	0	30	3.85	-19.326	-0.0273	-2.5 to 2.5	Pass
				40	3.85	-20.657	-0.0292	-2.5 to 2.5	Pass
				50	3.85	-25.091	-0.0355	-2.5 to 2.5	Pass
				20	3.27	-21.486	-0.0301	-2.5 to 2.5	Pass
				20	3.85	-7.825	-0.0110	-2.5 to 2.5	Pass
					4.43	-1.574	-0.0022	-2.5 to 2.5	Pass
	714.5	15	0	-30	3.85	-3.948	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	5.436	0.0076	-2.5 to 2.5	Pass
	714.5	15	0	-10	3.85	12.603	0.0176	-2.5 to 2.5	Pass

				0	3.85	14.706	0.0206	-2.5 to 2.5	Pass
				10	3.85	12.932	0.0181	-2.5 to 2.5	Pass
				30	3.85	18.797	0.0263	-2.5 to 2.5	Pass
				40	3.85	17.881	0.0250	-2.5 to 2.5	Pass
				50	3.85	25.277	0.0354	-2.5 to 2.5	Pass

2.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	-5.021	-0.0072	-2.5 to 2.5	Pass
					3.85	-17.538	-0.0250	-2.5 to 2.5	Pass
					4.43	-36.564	-0.0521	-2.5 to 2.5	Pass
				-30	3.85	-27.924	-0.0398	-2.5 to 2.5	Pass
				-20	3.85	-10.386	-0.0148	-2.5 to 2.5	Pass
				-10	3.85	-21.272	-0.0303	-2.5 to 2.5	Pass
				0	3.85	-33.088	-0.0472	-2.5 to 2.5	Pass
				10	3.85	-44.932	-0.0641	-2.5 to 2.5	Pass
				30	3.85	-8.955	-0.0128	-2.5 to 2.5	Pass
				40	3.85	-10.529	-0.0150	-2.5 to 2.5	Pass
				50	3.85	-12.417	-0.0177	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	11.902	0.0168	-2.5 to 2.5	Pass
					3.85	7.067	0.0100	-2.5 to 2.5	Pass
					4.43	-2.675	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-12.102	-0.0171	-2.5 to 2.5	Pass
				-20	3.85	-21.443	-0.0303	-2.5 to 2.5	Pass
				-10	3.85	-16.537	-0.0234	-2.5 to 2.5	Pass
				0	3.85	-10.428	-0.0147	-2.5 to 2.5	Pass
				10	3.85	-15.392	-0.0218	-2.5 to 2.5	Pass
				30	3.85	-11.373	-0.0161	-2.5 to 2.5	Pass
				40	3.85	-9.341	-0.0132	-2.5 to 2.5	Pass
				50	3.85	-8.268	-0.0117	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	8.311	0.0116	-2.5 to 2.5	Pass
					3.85	-1.388	-0.0019	-2.5 to 2.5	Pass
					4.43	-2.661	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.787	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-8.326	-0.0117	-2.5 to 2.5	Pass
				0	3.85	-4.649	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-4.764	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-22.731	-0.0319	-2.5 to 2.5	Pass
				40	3.85	-16.894	-0.0237	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-16.351	-0.0233	-2.5 to 2.5	Pass
					3.85	-22.187	-0.0316	-2.5 to 2.5	Pass
					4.43	-18.868	-0.0269	-2.5 to 2.5	Pass
				-30	3.85	-16.708	-0.0238	-2.5 to 2.5	Pass
				-20	3.85	-14.205	-0.0202	-2.5 to 2.5	Pass
				-10	3.85	-28.081	-0.0400	-2.5 to 2.5	Pass
				0	3.85	-22.545	-0.0321	-2.5 to 2.5	Pass
				10	3.85	-19.727	-0.0281	-2.5 to 2.5	Pass
				30	3.85	-32.473	-0.0463	-2.5 to 2.5	Pass
				40	3.85	-28.338	-0.0404	-2.5 to 2.5	Pass
				50	3.85	-26.507	-0.0378	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-30.370	-0.0429	-2.5 to 2.5	Pass
					3.85	-27.909	-0.0394	-2.5 to 2.5	Pass

					4.43	-34.990	-0.0495	-2.5 to 2.5	Pass
				-30	3.85	-43.459	-0.0614	-2.5 to 2.5	Pass
				-20	3.85	-47.107	-0.0666	-2.5 to 2.5	Pass
				-10	3.85	0.429	0.0006	-2.5 to 2.5	Pass
				0	3.85	2.704	0.0038	-2.5 to 2.5	Pass
				10	3.85	4.435	0.0063	-2.5 to 2.5	Pass
				30	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				40	3.85	2.904	0.0041	-2.5 to 2.5	Pass
				50	3.85	5.736	0.0081	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-15.049	-0.0211	-2.5 to 2.5	Pass
					3.85	-9.127	-0.0128	-2.5 to 2.5	Pass
					4.43	-9.928	-0.0139	-2.5 to 2.5	Pass
				-30	3.85	-3.233	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.85	4.005	0.0056	-2.5 to 2.5	Pass
				0	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				10	3.85	6.323	0.0089	-2.5 to 2.5	Pass
				30	3.85	7.596	0.0106	-2.5 to 2.5	Pass
				40	3.85	11.430	0.0160	-2.5 to 2.5	Pass
				50	3.85	5.822	0.0082	-2.5 to 2.5	Pass

2.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	-6.623	-0.0094	-2.5 to 2.5	Pass
					3.85	-15.836	-0.0225	-2.5 to 2.5	Pass
					4.43	-39.010	-0.0554	-2.5 to 2.5	Pass
				-30	3.85	0.257	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-23.990	-0.0341	-2.5 to 2.5	Pass
				-10	3.85	-29.082	-0.0413	-2.5 to 2.5	Pass
				0	3.85	-43.187	-0.0613	-2.5 to 2.5	Pass
				10	3.85	-2.704	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-9.627	-0.0137	-2.5 to 2.5	Pass
				40	3.85	-8.411	-0.0119	-2.5 to 2.5	Pass
				50	3.85	-11.959	-0.0170	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	5.679	0.0080	-2.5 to 2.5	Pass
					3.85	-5.178	-0.0073	-2.5 to 2.5	Pass
					4.43	-11.559	-0.0163	-2.5 to 2.5	Pass
				-30	3.85	-18.868	-0.0267	-2.5 to 2.5	Pass
				-20	3.85	-26.279	-0.0371	-2.5 to 2.5	Pass
				-10	3.85	-29.554	-0.0418	-2.5 to 2.5	Pass
				0	3.85	-9.713	-0.0137	-2.5 to 2.5	Pass
				10	3.85	-7.052	-0.0100	-2.5 to 2.5	Pass
				30	3.85	-7.081	-0.0100	-2.5 to 2.5	Pass
				40	3.85	-9.084	-0.0128	-2.5 to 2.5	Pass
				50	3.85	-11.072	-0.0156	-2.5 to 2.5	Pass
	711	50	0	20	3.27	2.518	0.0035	-2.5 to 2.5	Pass
					3.85	-3.548	-0.0050	-2.5 to 2.5	Pass
					4.43	-5.021	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-10.915	-0.0154	-2.5 to 2.5	Pass
				-20	3.85	-12.331	-0.0173	-2.5 to 2.5	Pass
				-10	3.85	-15.178	-0.0213	-2.5 to 2.5	Pass
				0	3.85	-24.047	-0.0338	-2.5 to 2.5	Pass
				10	3.85	-21.858	-0.0307	-2.5 to 2.5	Pass
				30	3.85	-23.375	-0.0329	-2.5 to 2.5	Pass

16QAM	704	50	0	40	3.85	-20.971	-0.0295	-2.5 to 2.5	Pass
				50	3.85	-20.127	-0.0283	-2.5 to 2.5	Pass
				20	3.27	-23.389	-0.0332	-2.5 to 2.5	Pass
					3.85	-14.977	-0.0213	-2.5 to 2.5	Pass
					4.43	-6.137	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	-4.020	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-18.768	-0.0267	-2.5 to 2.5	Pass
				-10	3.85	-19.026	-0.0270	-2.5 to 2.5	Pass
				0	3.85	-19.984	-0.0284	-2.5 to 2.5	Pass
				10	3.85	-23.804	-0.0338	-2.5 to 2.5	Pass
	707.5	50	0	30	3.85	-29.612	-0.0421	-2.5 to 2.5	Pass
				40	3.85	-26.679	-0.0379	-2.5 to 2.5	Pass
				50	3.85	-25.592	-0.0364	-2.5 to 2.5	Pass
				20	3.27	-10.471	-0.0148	-2.5 to 2.5	Pass
					3.85	-5.507	-0.0078	-2.5 to 2.5	Pass
					4.43	-9.341	-0.0132	-2.5 to 2.5	Pass
				-30	3.85	-4.807	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	1.273	0.0018	-2.5 to 2.5	Pass
				-10	3.85	2.503	0.0035	-2.5 to 2.5	Pass
				0	3.85	3.490	0.0049	-2.5 to 2.5	Pass
	711	50	0	10	3.85	-3.762	-0.0053	-2.5 to 2.5	Pass
				30	3.85	1.245	0.0018	-2.5 to 2.5	Pass
				40	3.85	1.559	0.0022	-2.5 to 2.5	Pass
				50	3.85	-15.578	-0.0220	-2.5 to 2.5	Pass
				20	3.27	-12.217	-0.0172	-2.5 to 2.5	Pass
					3.85	-2.260	-0.0032	-2.5 to 2.5	Pass
					4.43	-9.127	-0.0128	-2.5 to 2.5	Pass
				-30	3.85	3.176	0.0045	-2.5 to 2.5	Pass
				-20	3.85	2.346	0.0033	-2.5 to 2.5	Pass
				-10	3.85	11.745	0.0165	-2.5 to 2.5	Pass
				0	3.85	10.171	0.0143	-2.5 to 2.5	Pass
				10	3.85	16.923	0.0238	-2.5 to 2.5	Pass
				30	3.85	5.736	0.0081	-2.5 to 2.5	Pass
				40	3.85	1.645	0.0023	-2.5 to 2.5	Pass
				50	3.85	1.631	0.0023	-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

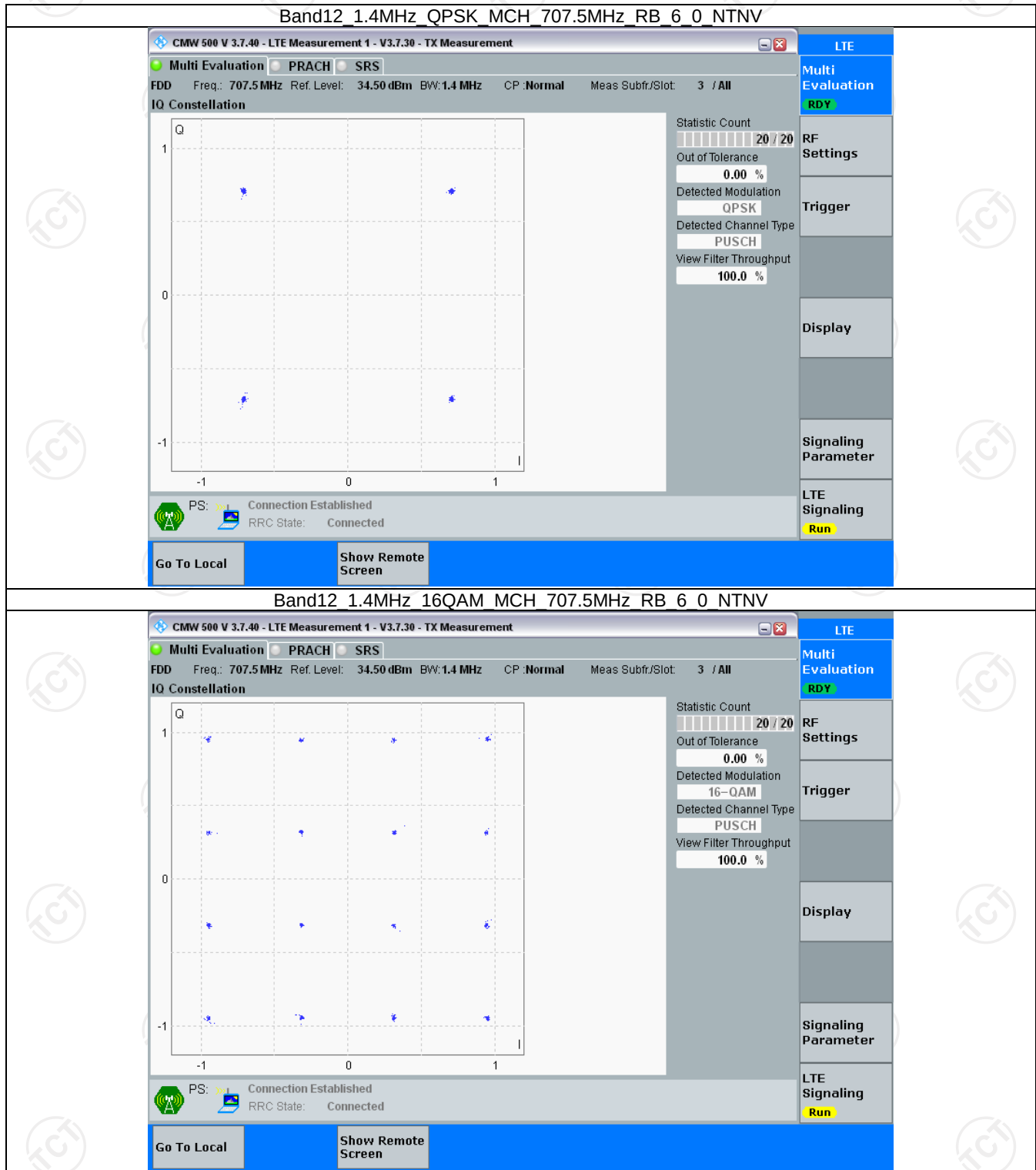
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

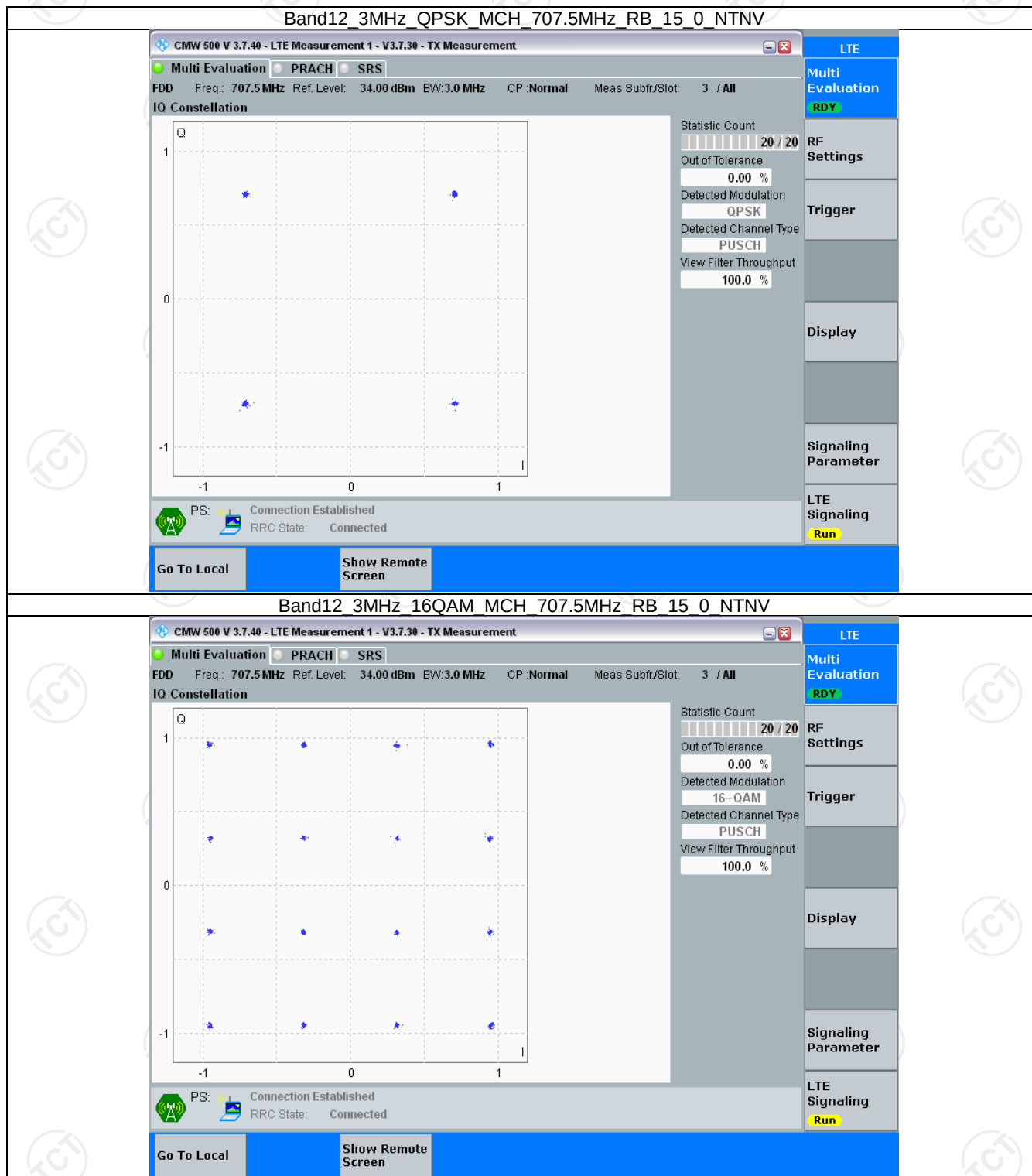
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

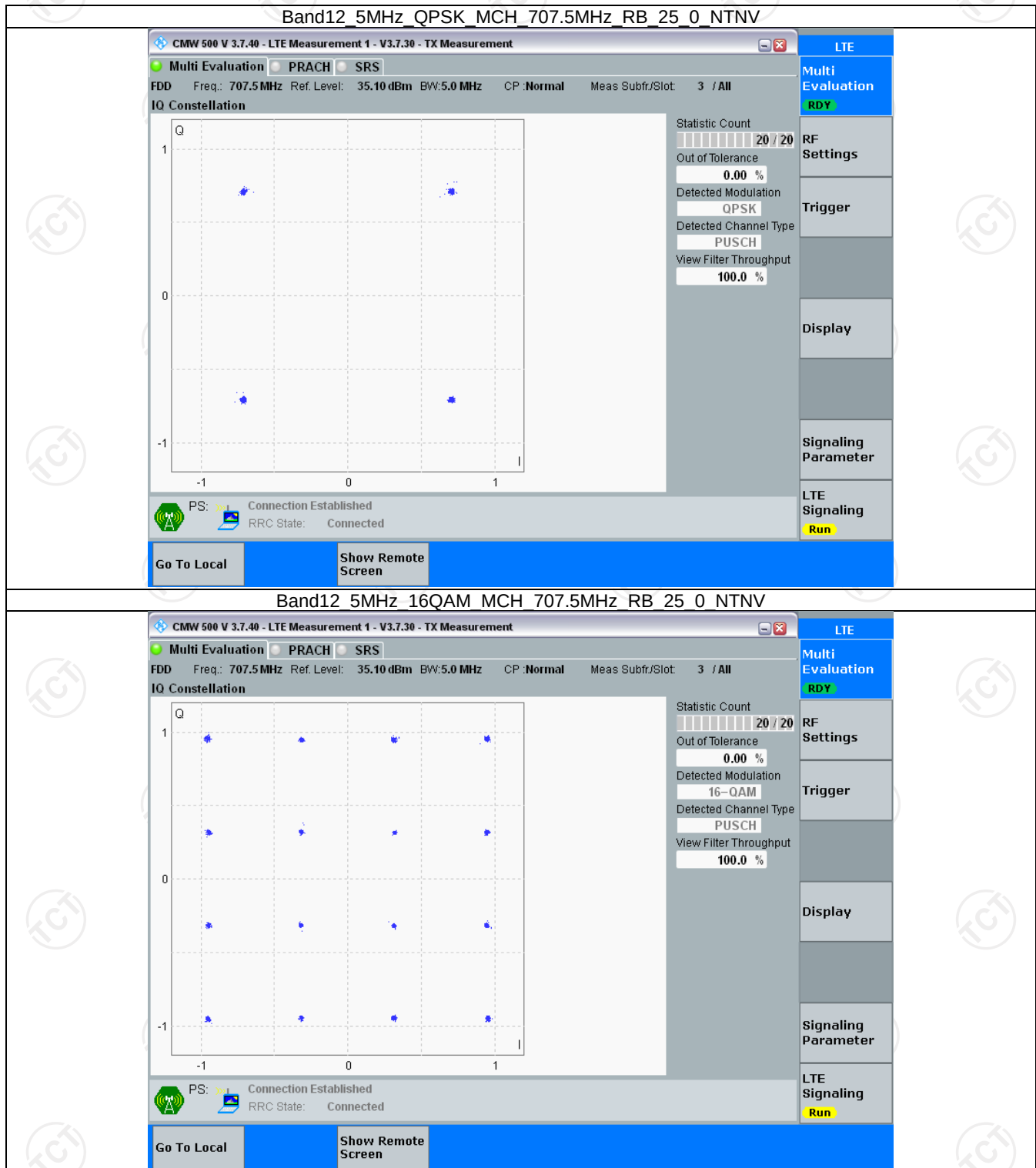
3.2.1 B12_1.4MHz



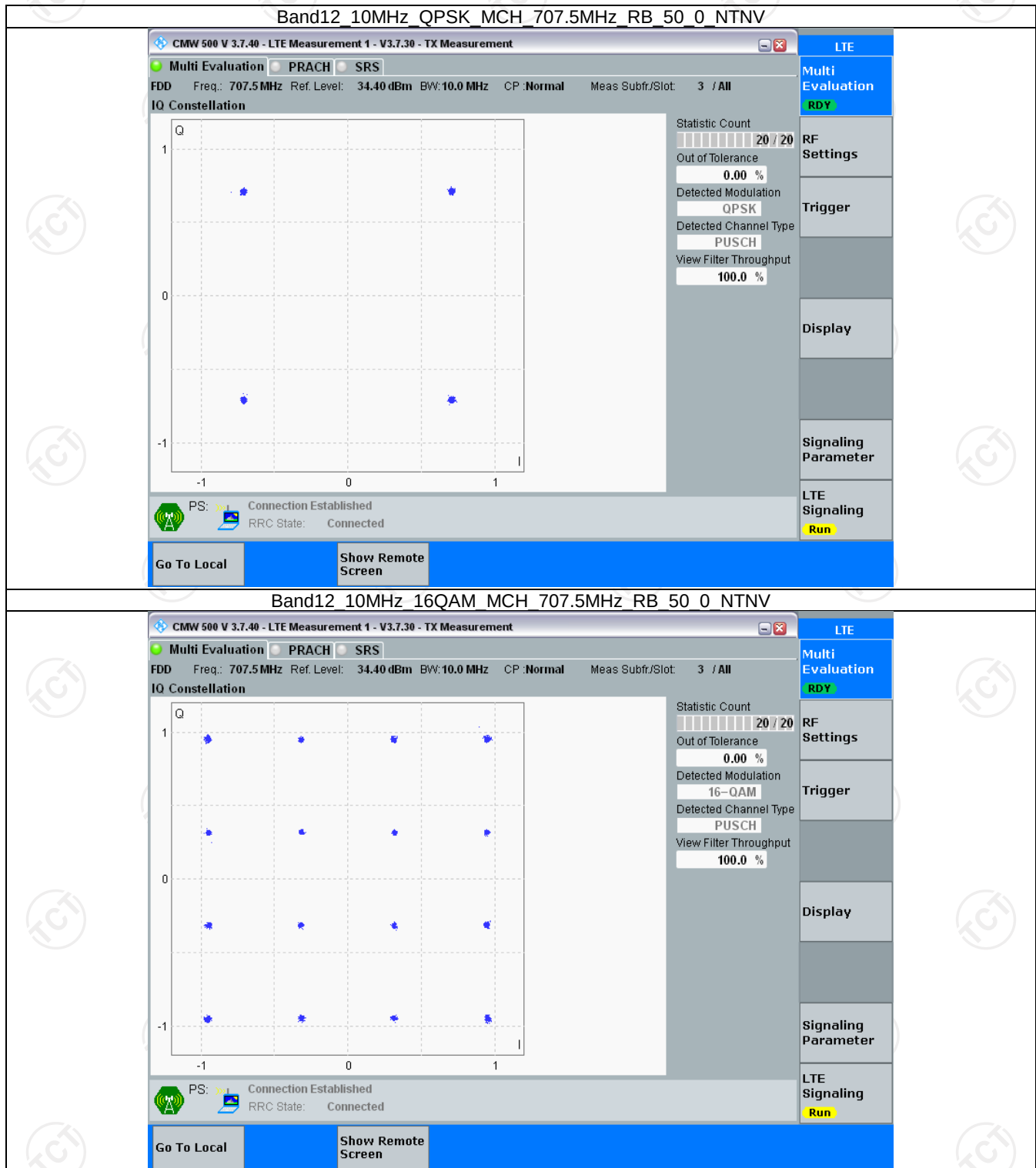
3.2.2 B12_3MHz



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	1.109	/	Pass
		707.5	6	0	1.115	/	Pass
		715.3	6	0	1.115	/	Pass
	16QAM	699.7	6	0	1.112	/	Pass
		707.5	6	0	1.105	/	Pass
		715.3	6	0	1.119	/	Pass
3	QPSK	700.5	15	0	2.763	/	Pass
		707.5	15	0	2.749	/	Pass
		714.5	15	0	2.745	/	Pass
	16QAM	700.5	15	0	2.748	/	Pass
		707.5	15	0	2.748	/	Pass
		714.5	15	0	2.745	/	Pass
5	QPSK	701.5	25	0	4.541	/	Pass
		707.5	25	0	4.545	/	Pass
		713.5	25	0	4.543	/	Pass
	16QAM	701.5	25	0	4.555	/	Pass
		707.5	25	0	4.539	/	Pass
		713.5	25	0	4.543	/	Pass
10	QPSK	704	50	0	9.041	/	Pass
		707.5	50	0	9.087	/	Pass
		711	50	0	9.071	/	Pass
	16QAM	704	50	0	9.038	/	Pass
		707.5	50	0	9.100	/	Pass
		711	50	0	9.086	/	Pass

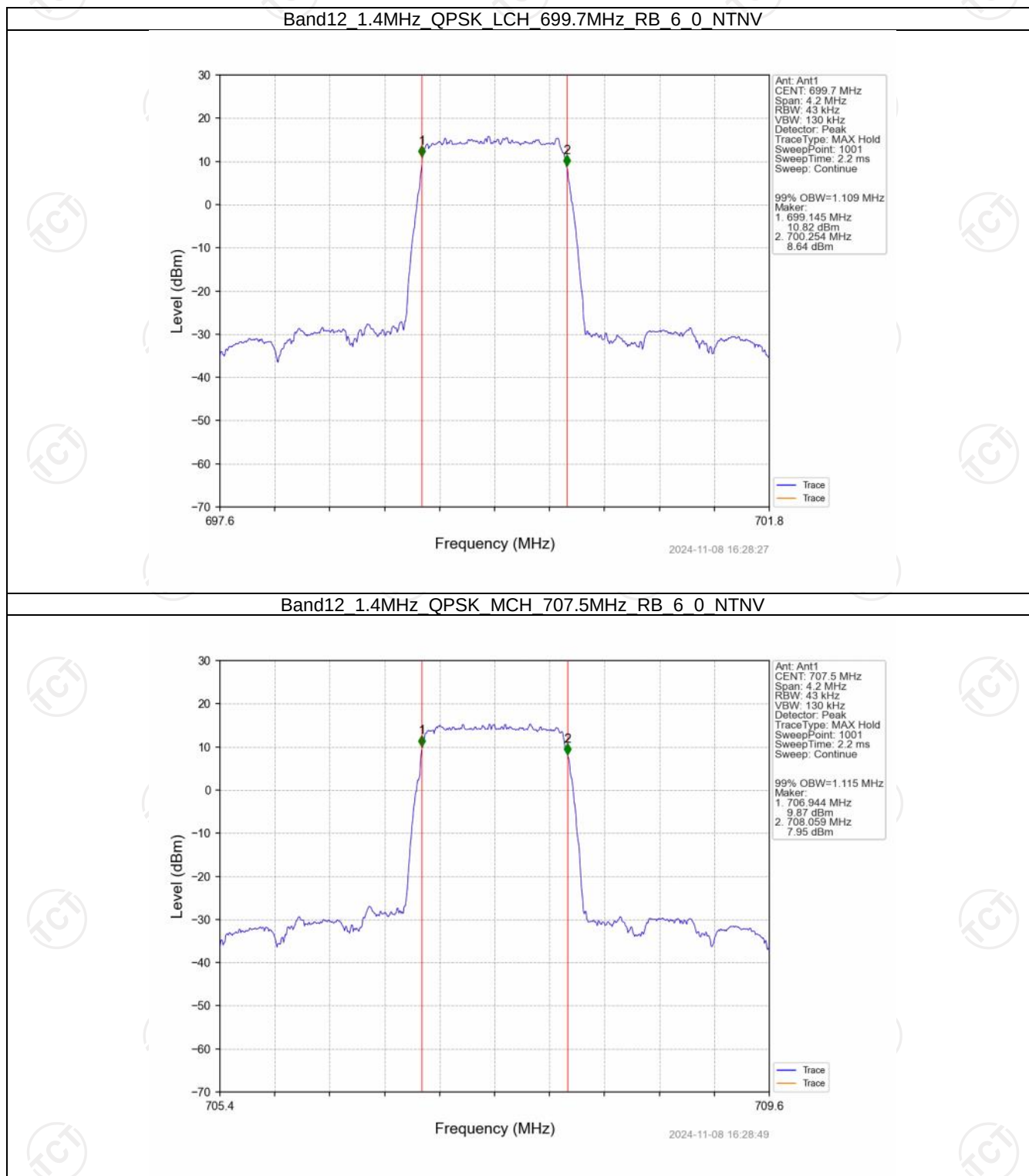
4.1.2 Band12_XDB

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	1.271	/	Pass
		707.5	6	0	1.271	/	Pass
		715.3	6	0	1.269	/	Pass
	16QAM	699.7	6	0	1.277	/	Pass
		707.5	6	0	1.266	/	Pass
		715.3	6	0	1.273	/	Pass
3	QPSK	700.5	15	0	3.086	/	Pass
		707.5	15	0	3.101	/	Pass
		714.5	15	0	3.097	/	Pass
	16QAM	700.5	15	0	3.139	/	Pass
		707.5	15	0	3.085	/	Pass
		714.5	15	0	3.115	/	Pass
5	QPSK	701.5	25	0	5.078	/	Pass
		707.5	25	0	5.089	/	Pass
		713.5	25	0	5.042	/	Pass

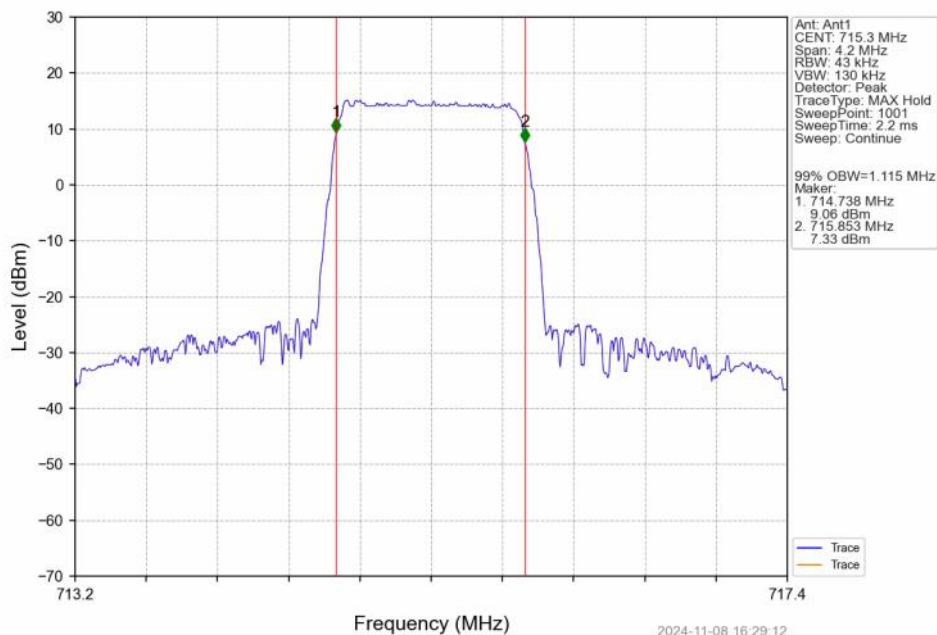
10	16QAM	701.5	25	0	5.084	/	Pass
		707.5	25	0	5.039	/	Pass
		713.5	25	0	5.012	/	Pass
	QPSK	704	50	0	10.053	/	Pass
		707.5	50	0	10.065	/	Pass
		711	50	0	10.062	/	Pass
	16QAM	704	50	0	10.102	/	Pass
		707.5	50	0	10.052	/	Pass
		711	50	0	9.981	/	Pass

4.2 Test Graph

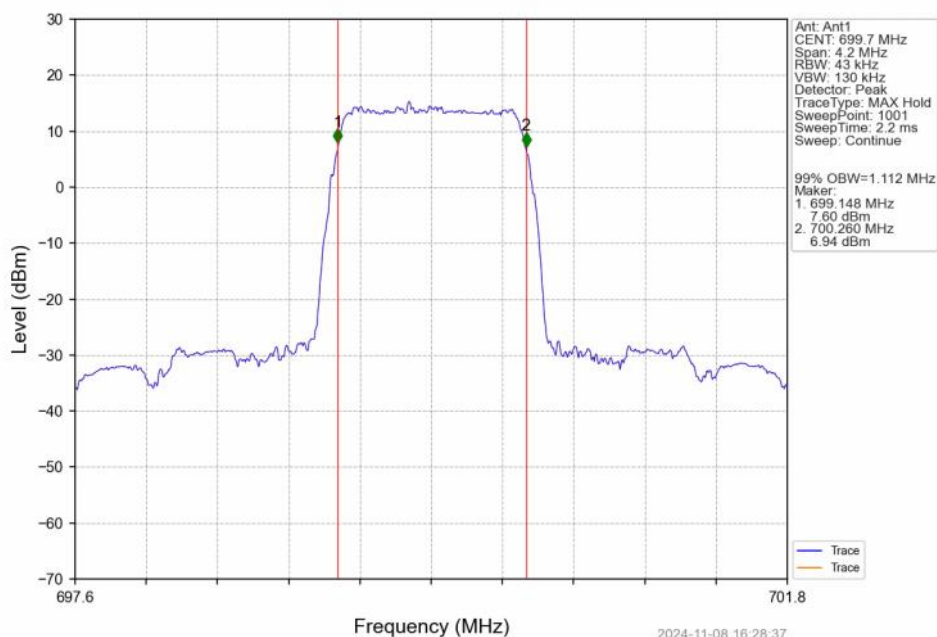
4.2.1 Band12_OBW



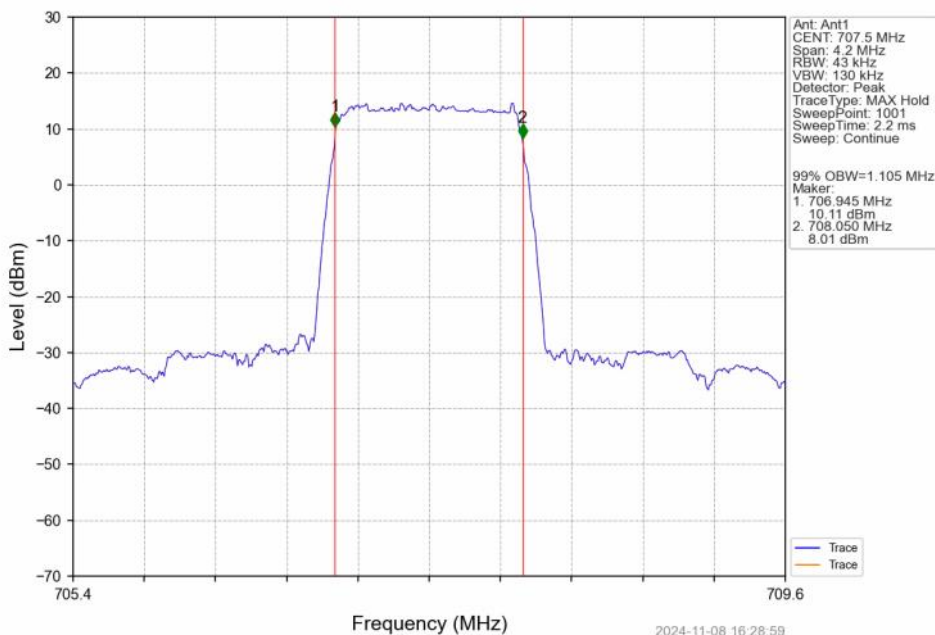
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



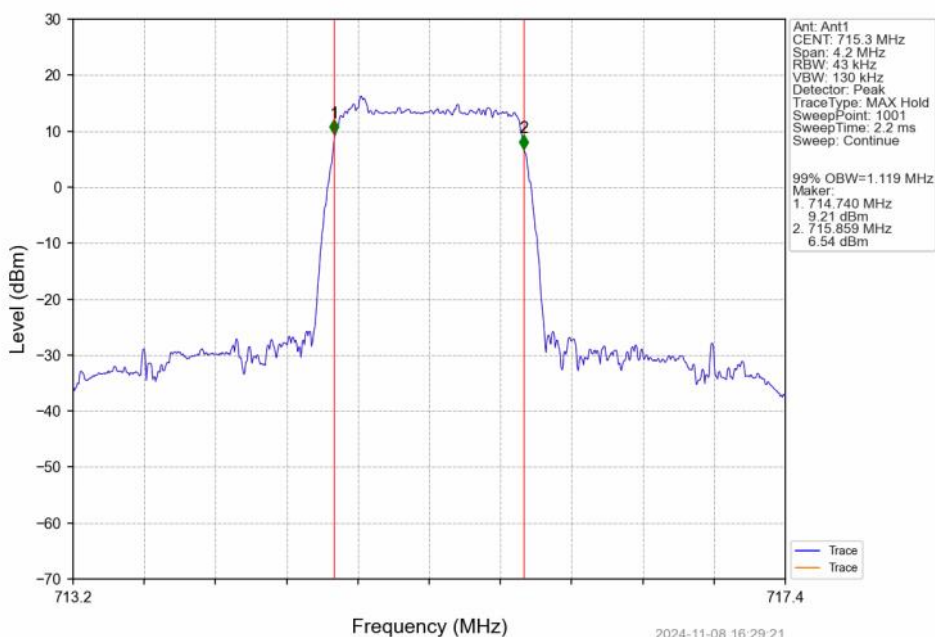
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



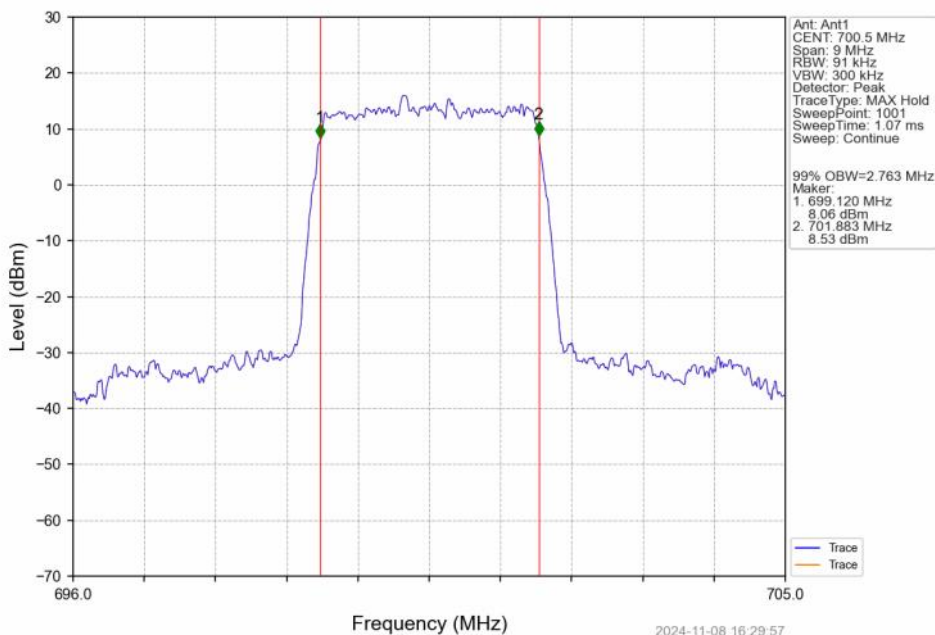
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



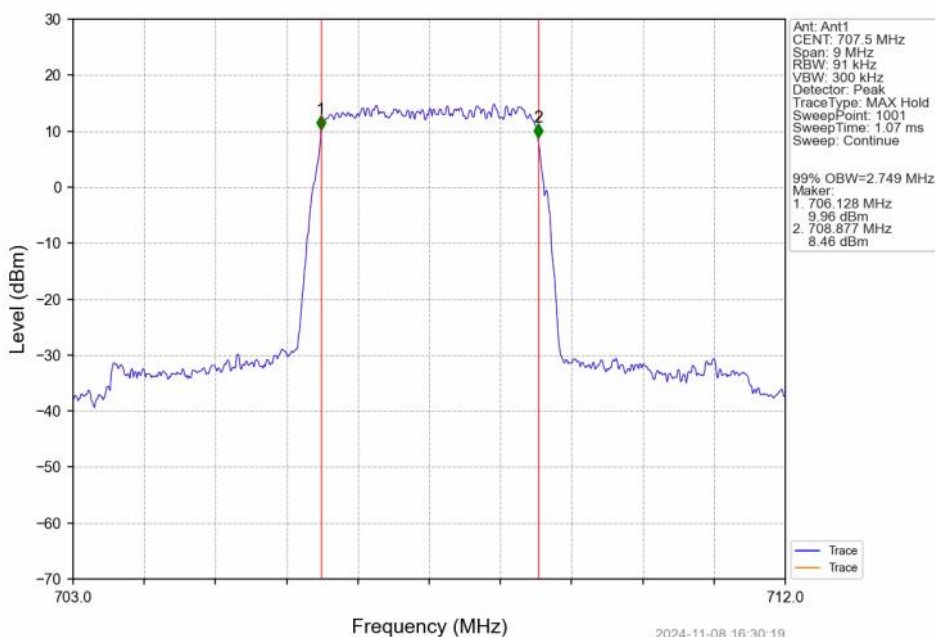
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



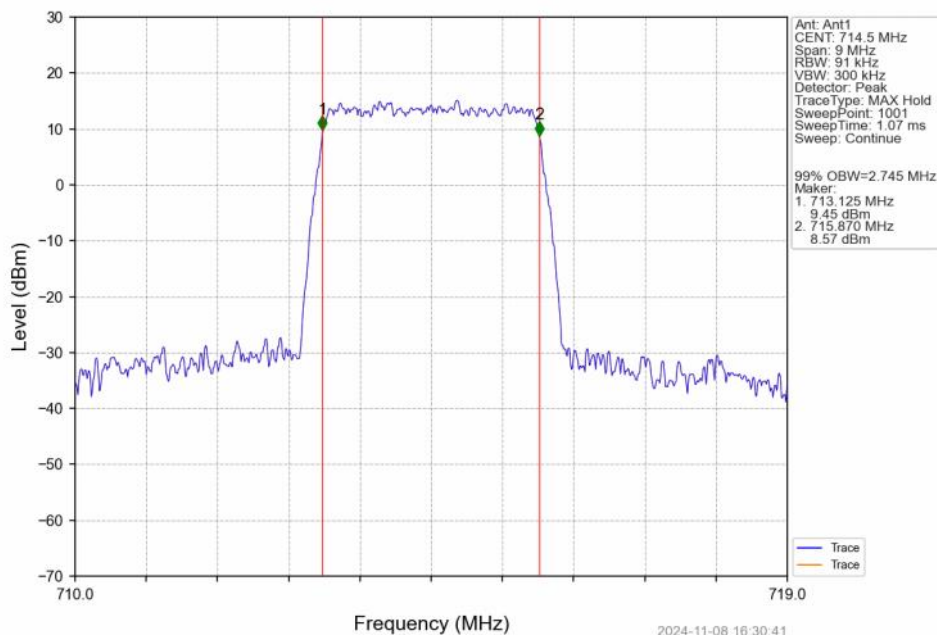
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



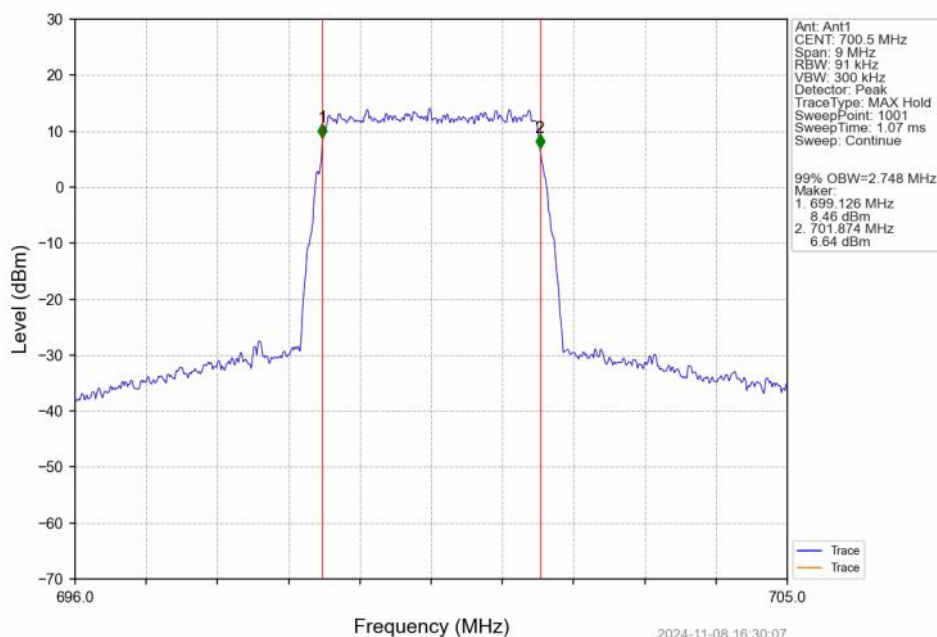
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



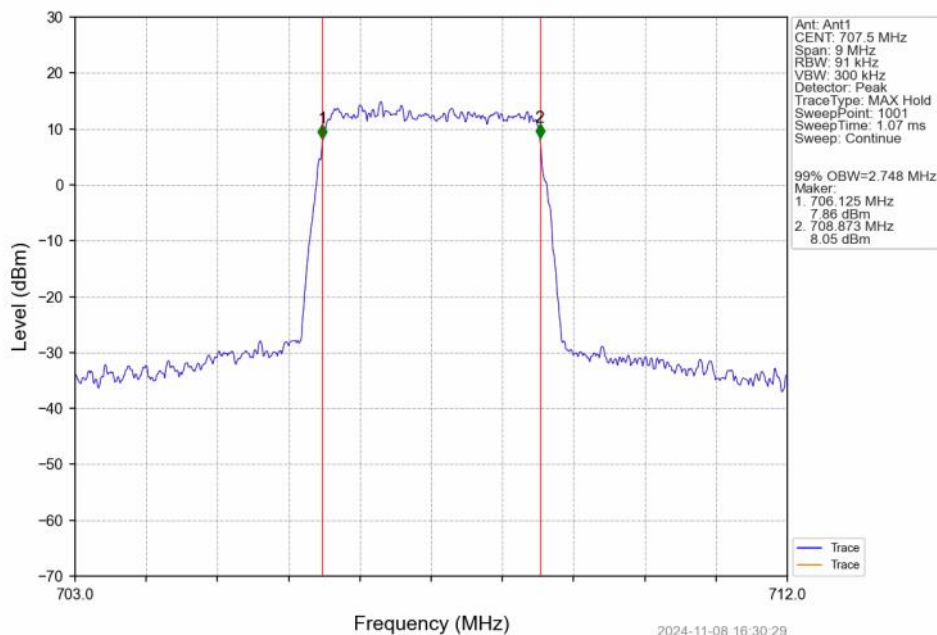
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



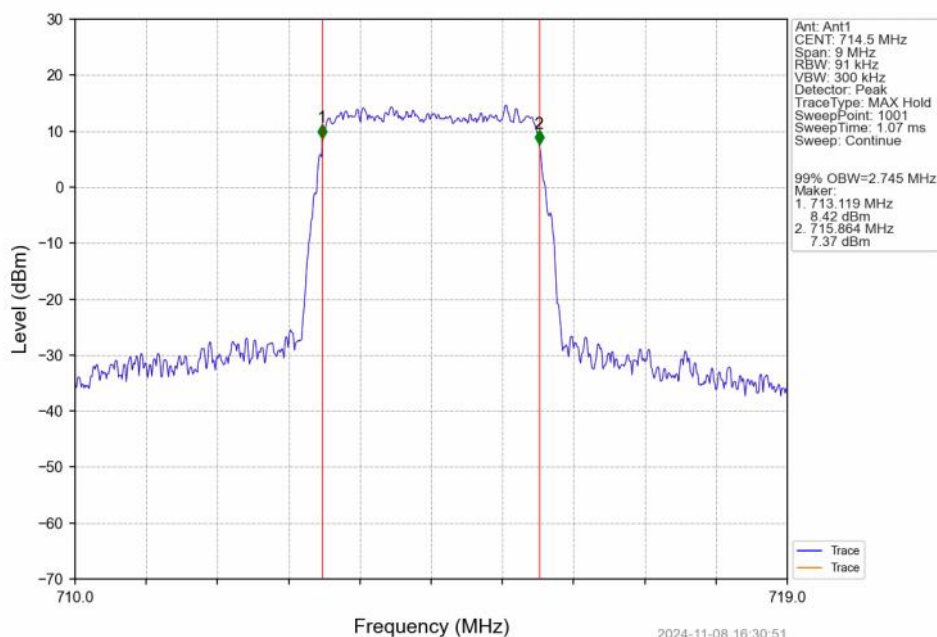
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



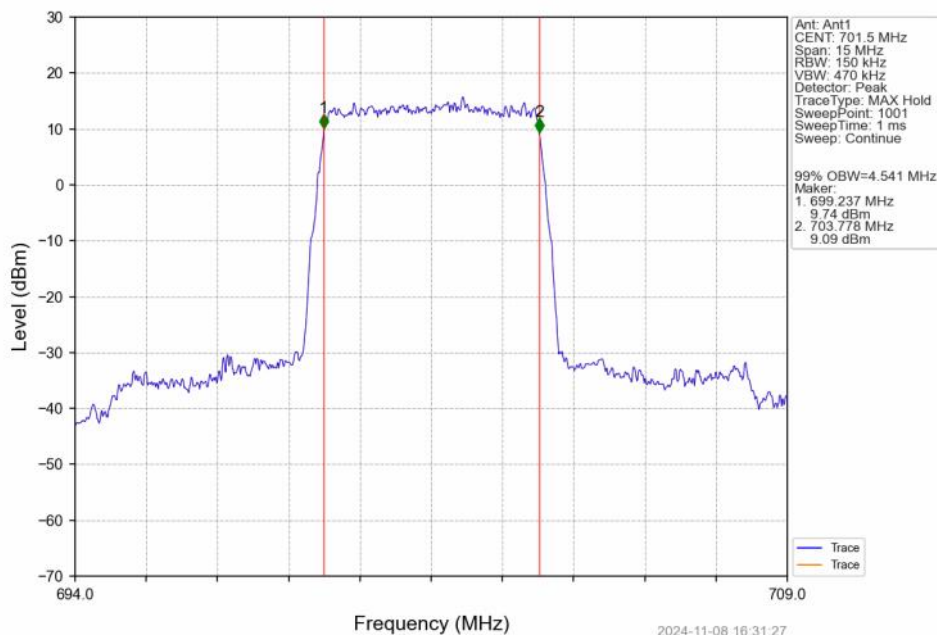
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



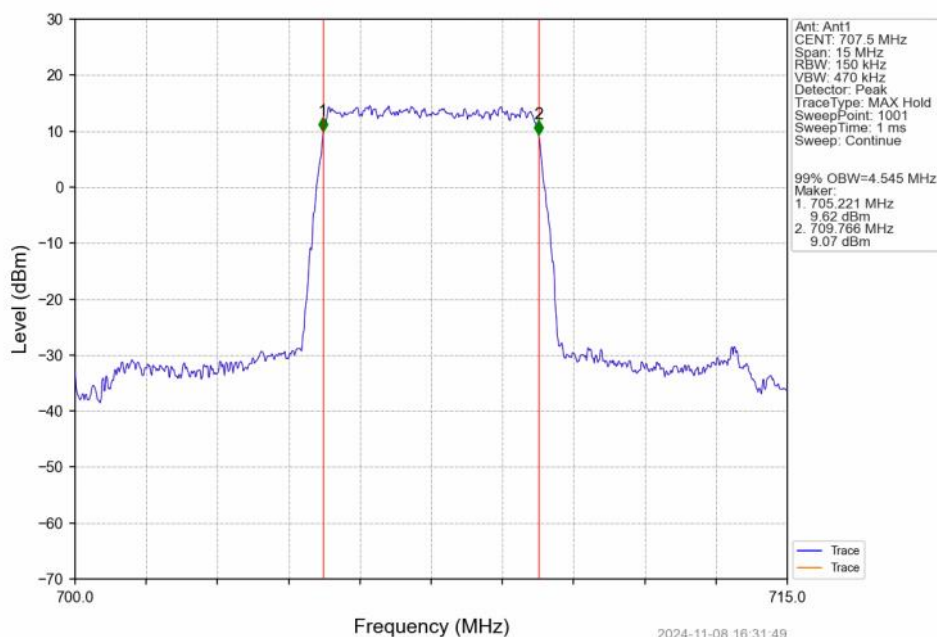
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



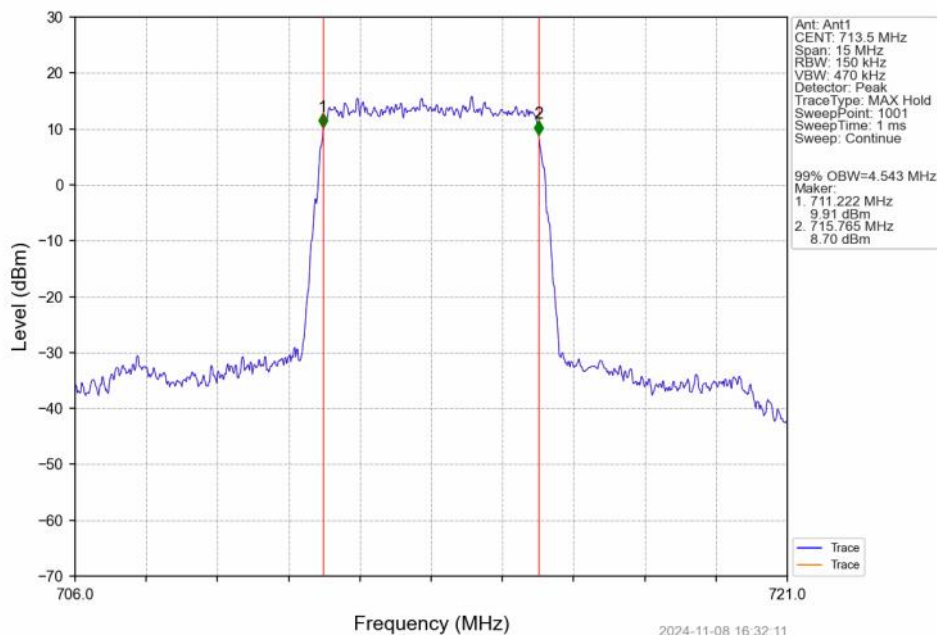
Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTN



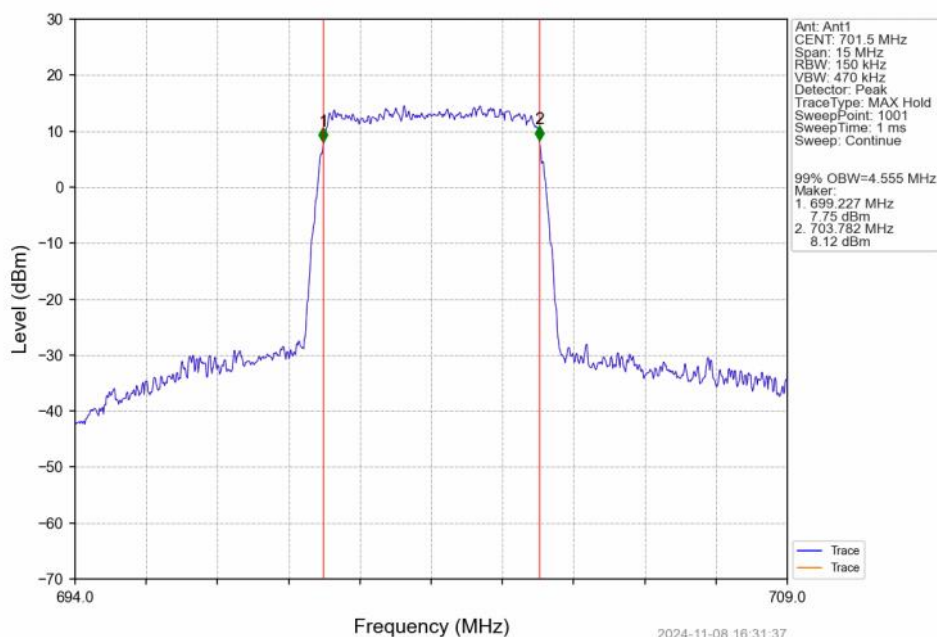
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTN



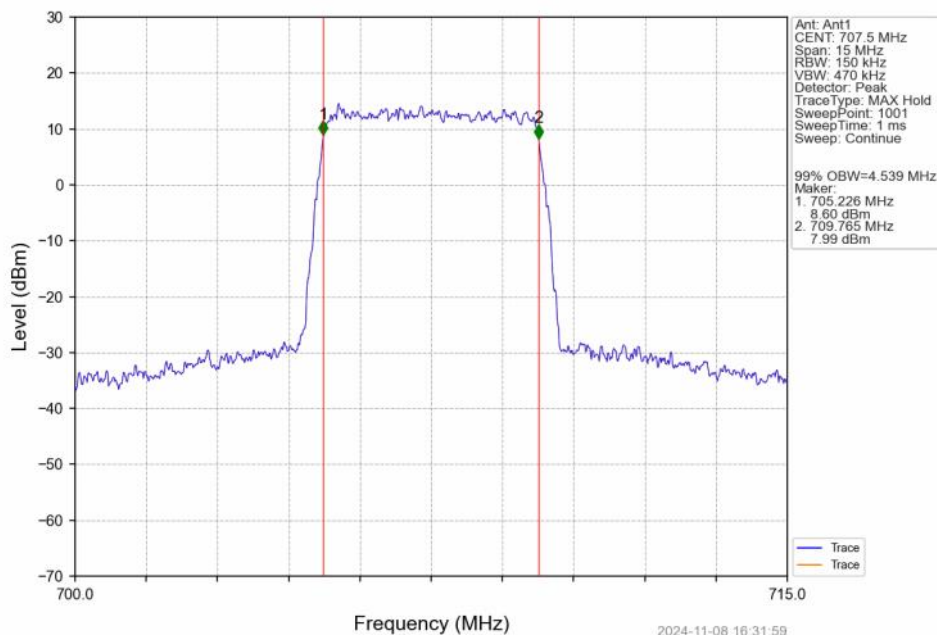
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



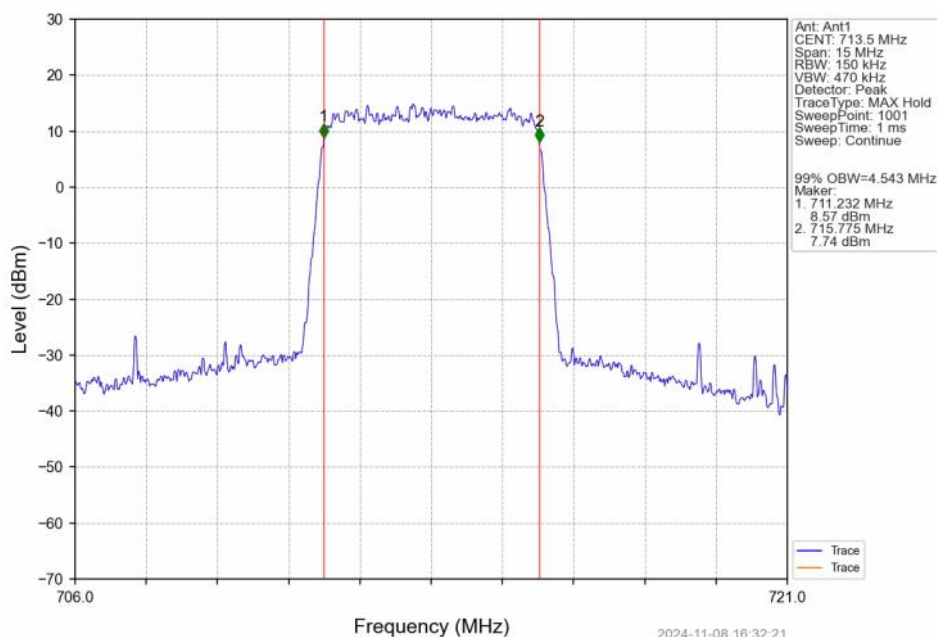
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



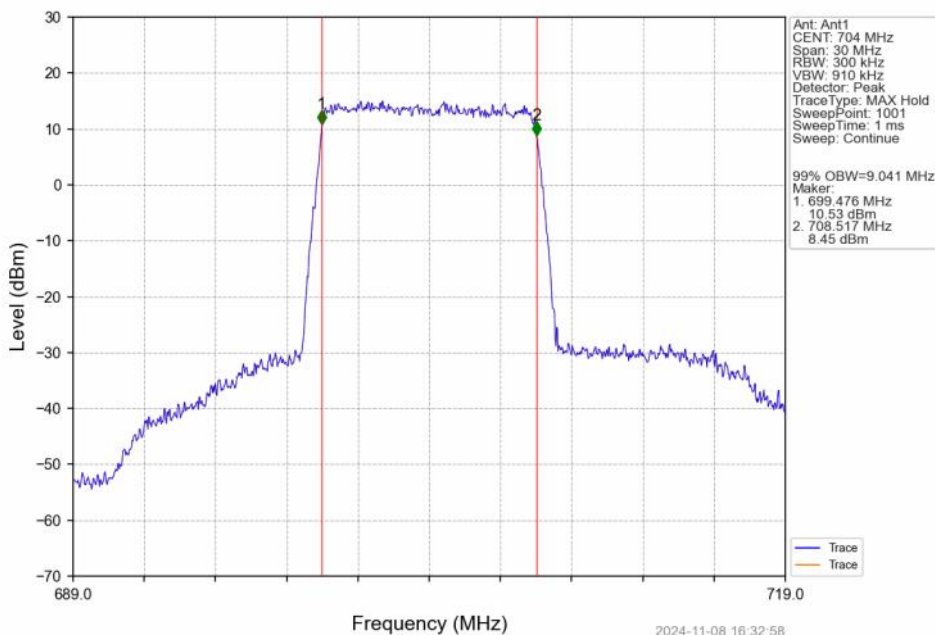
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



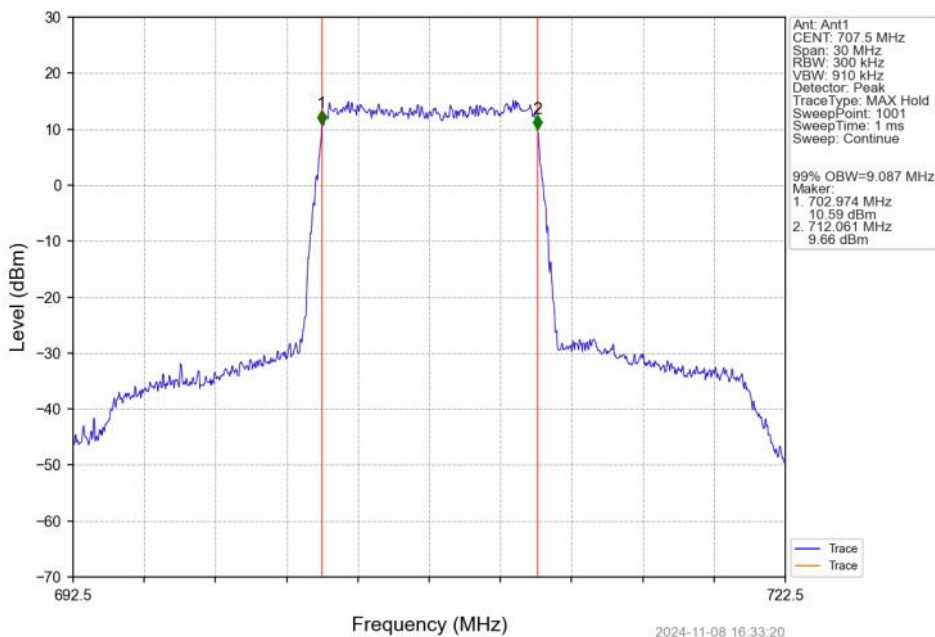
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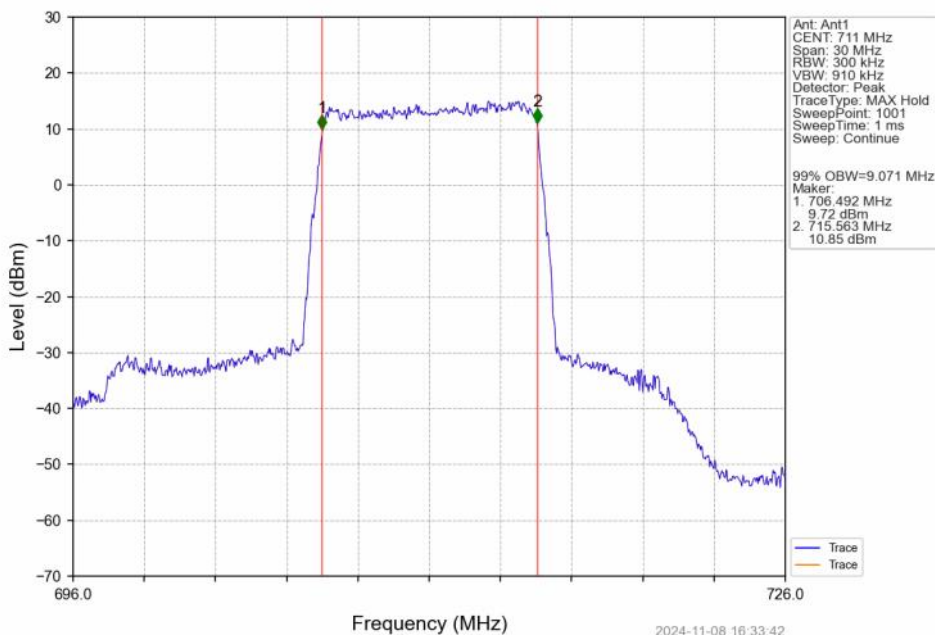
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTNV



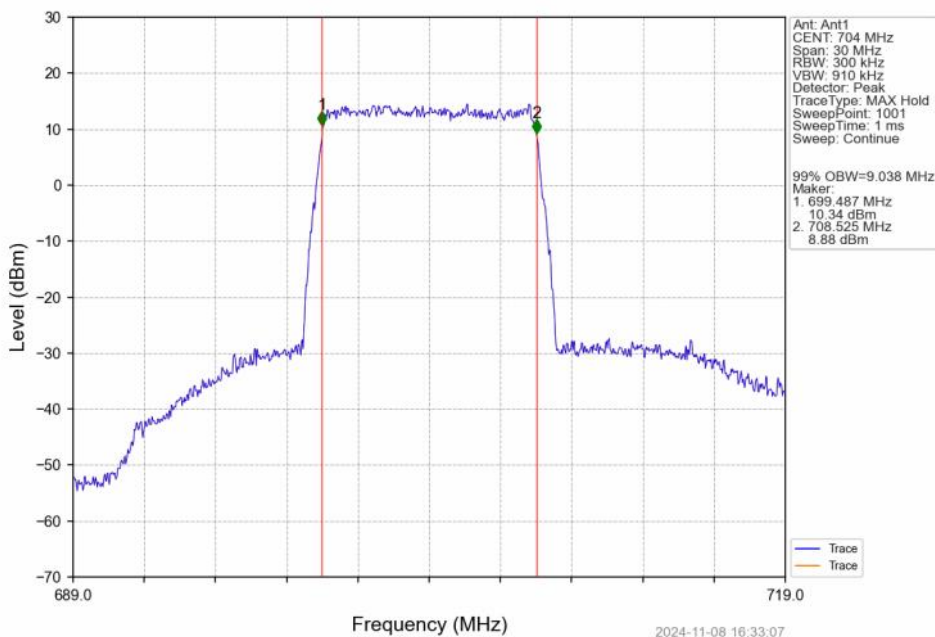
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTNV



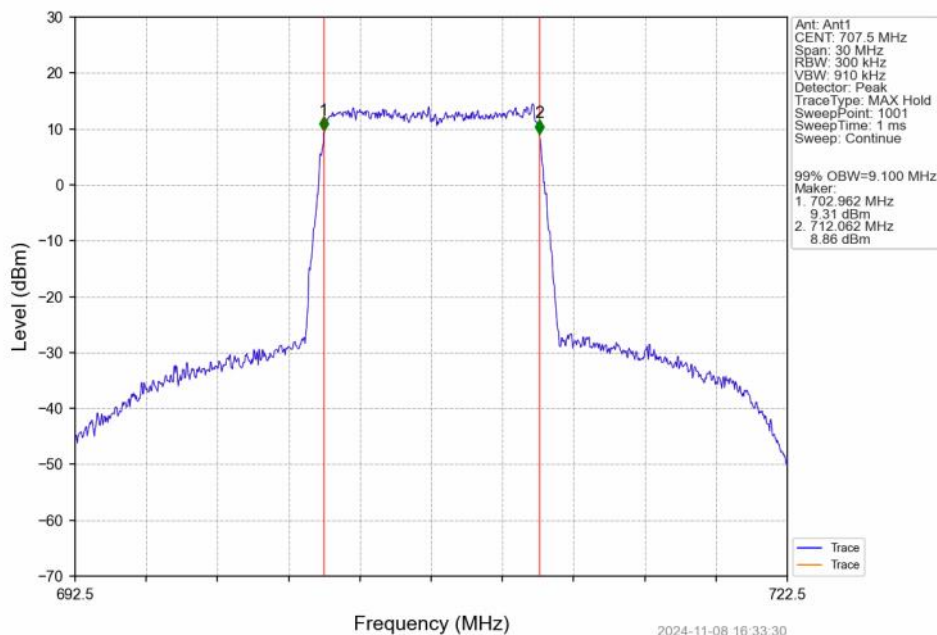
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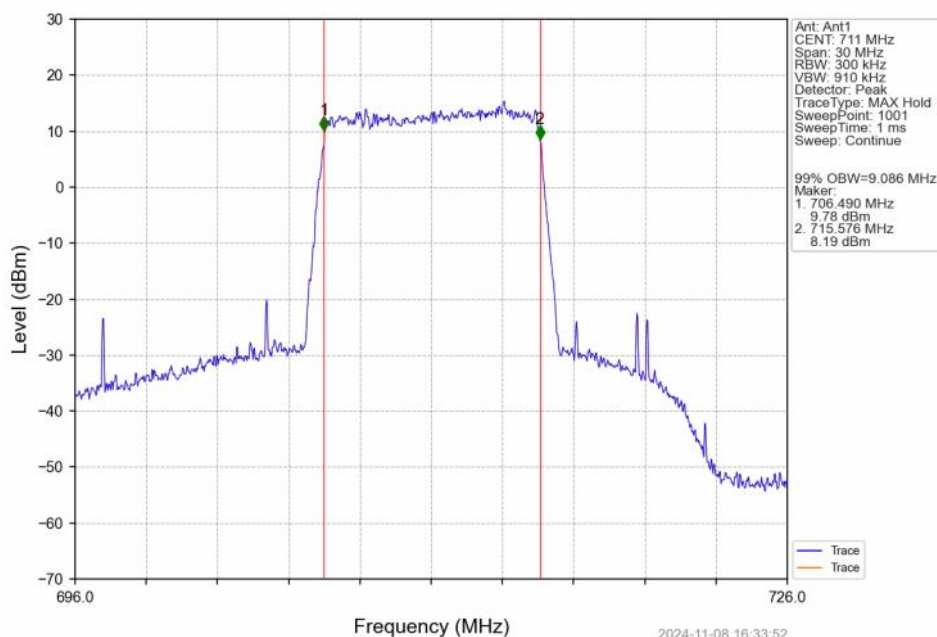
Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTNV



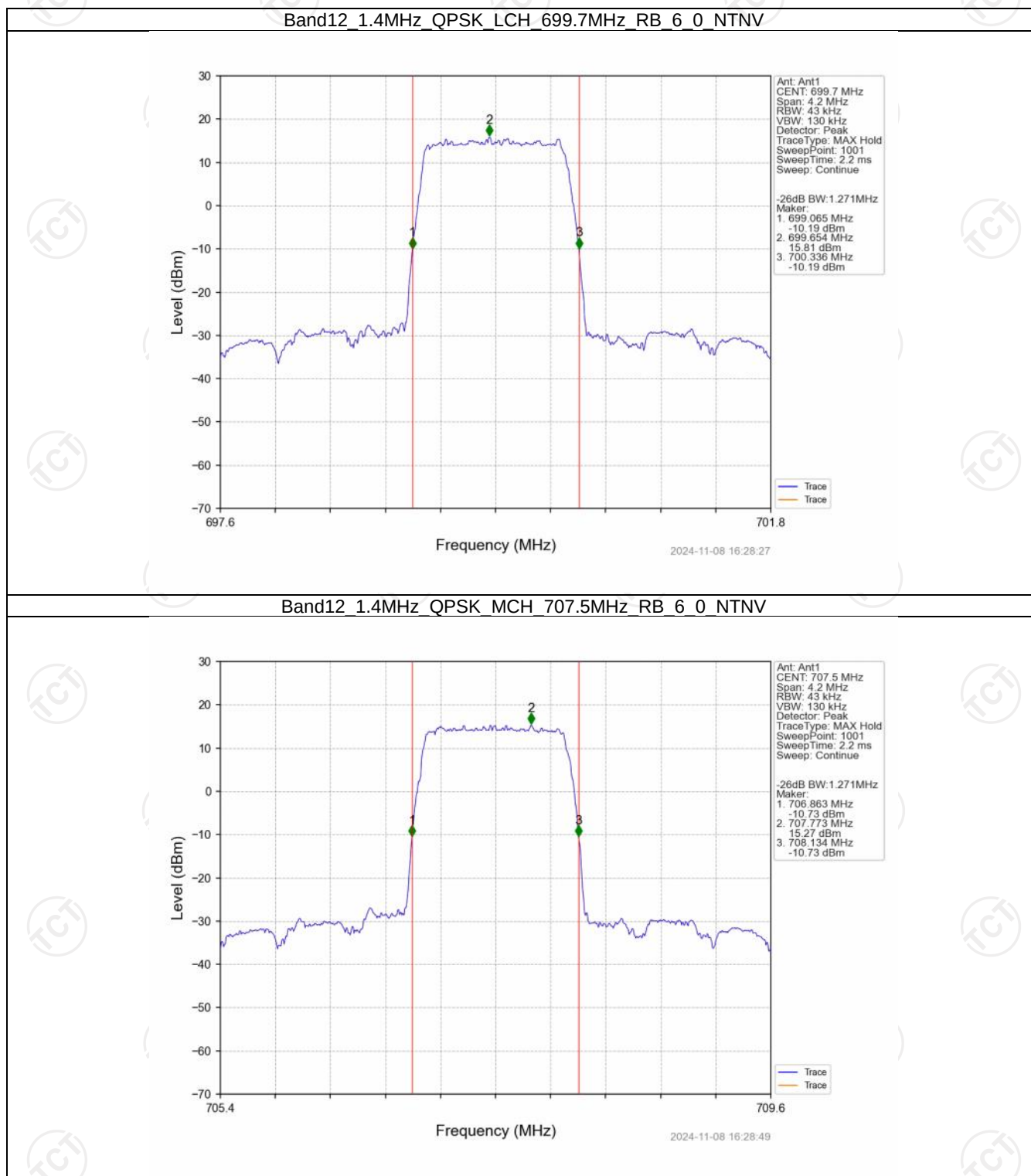
Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTN



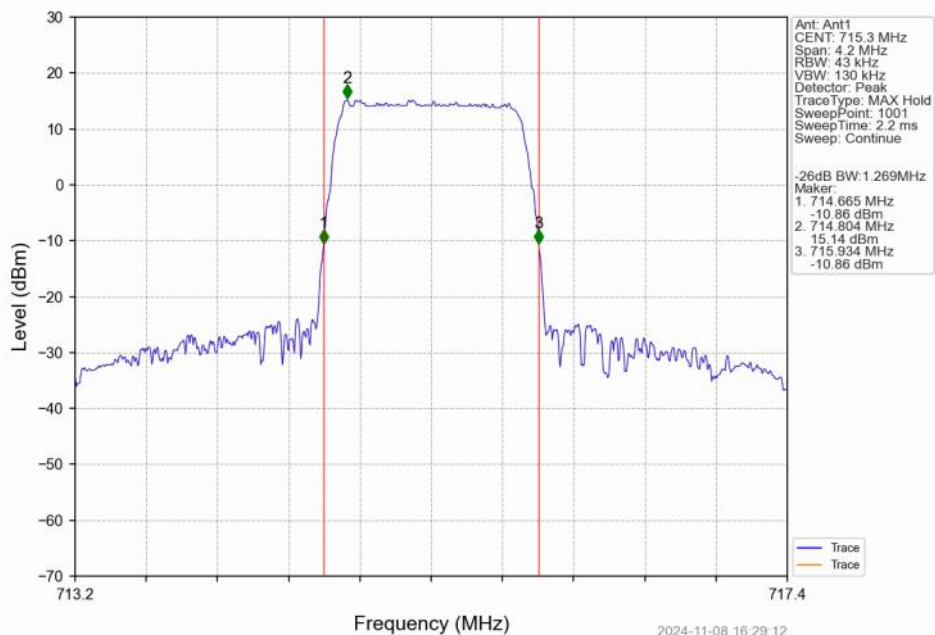
Band12 10MHz 16QAM HCH 711MHz RB 50 0 NTN



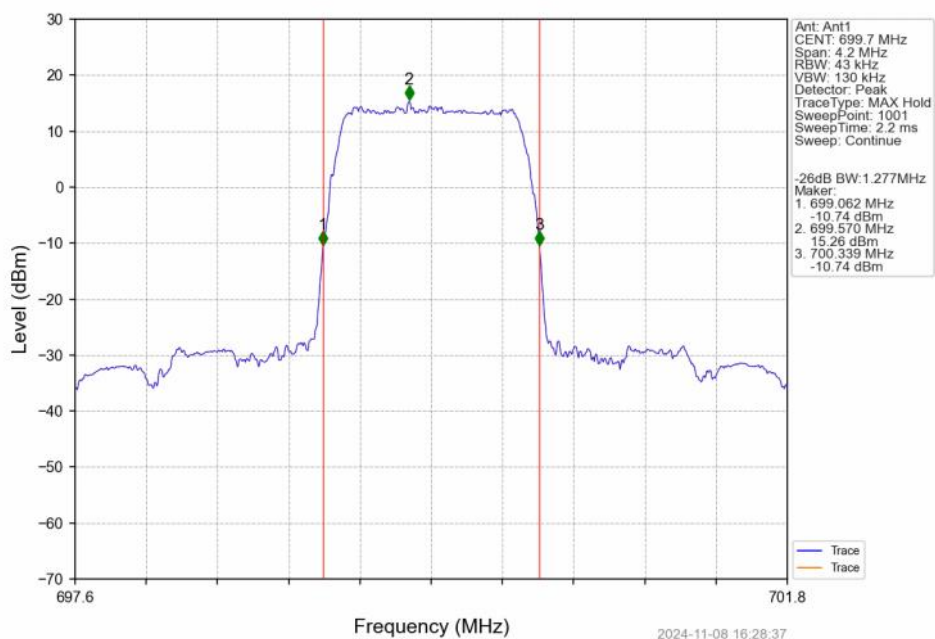
4.2.2 Band12_XDB



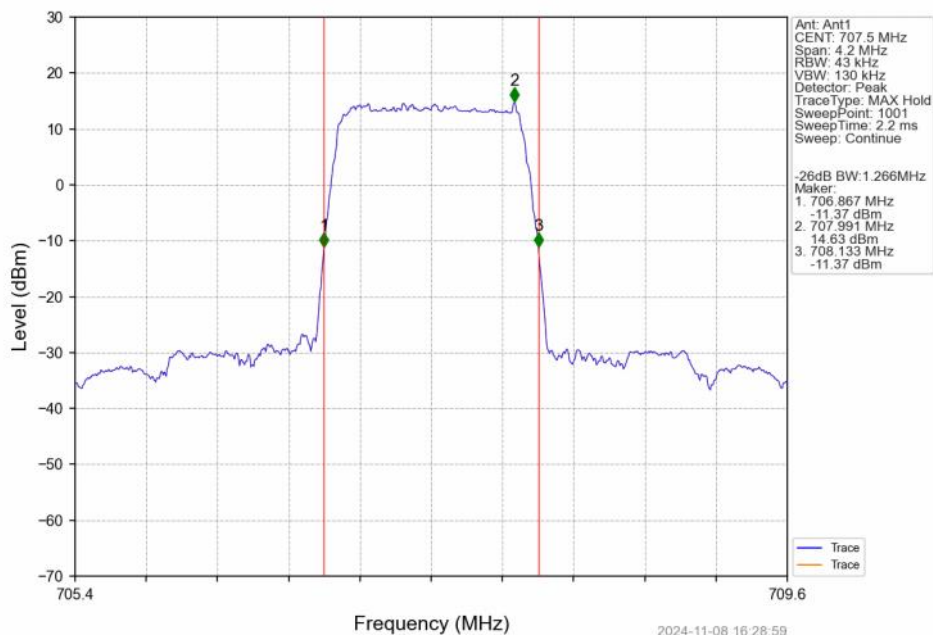
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



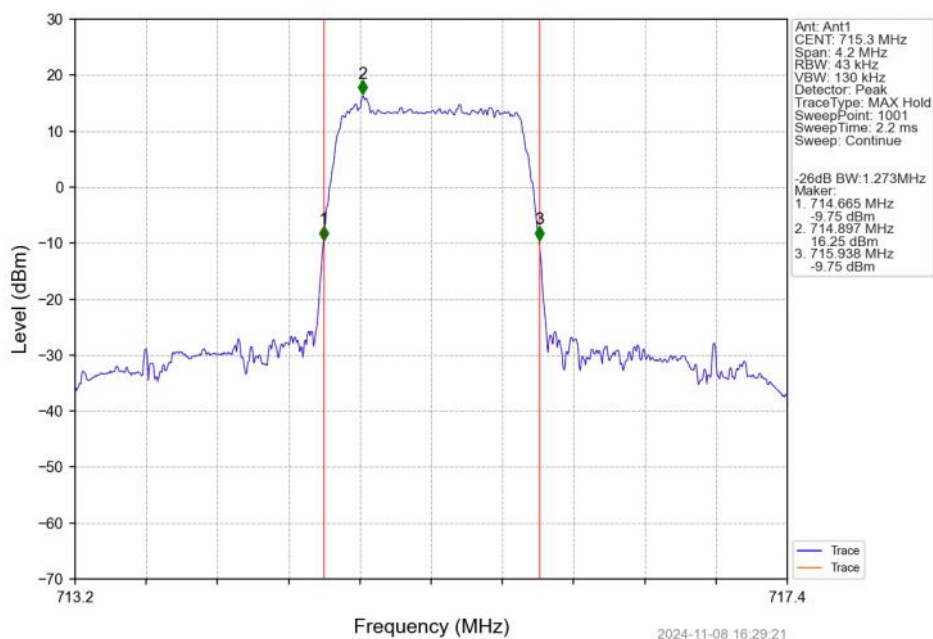
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



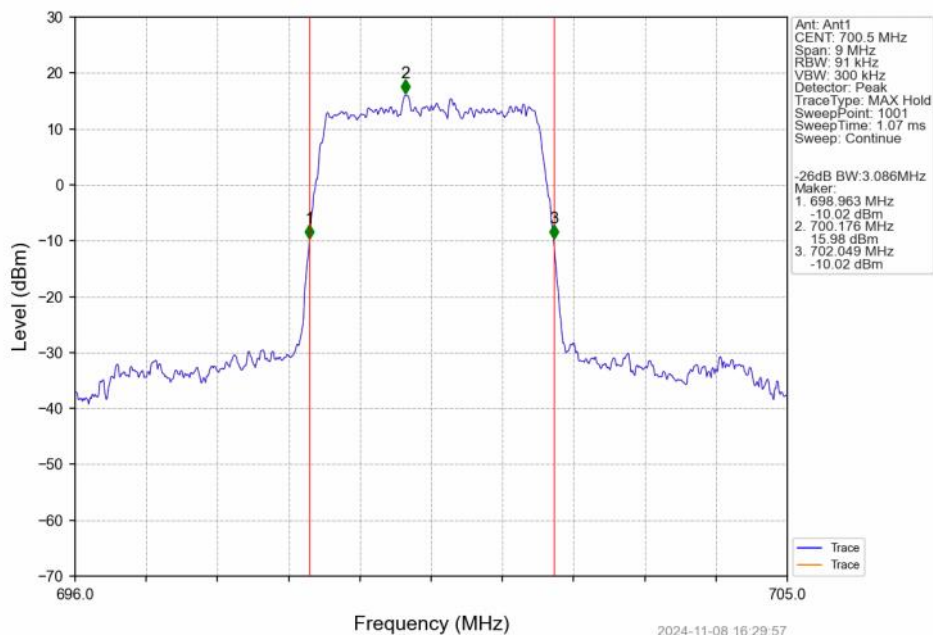
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



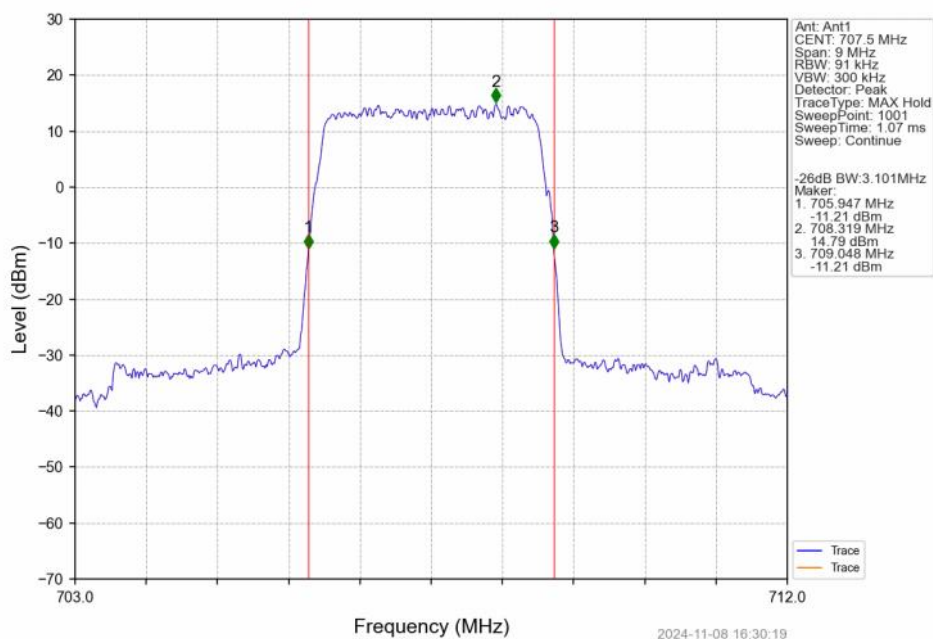
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



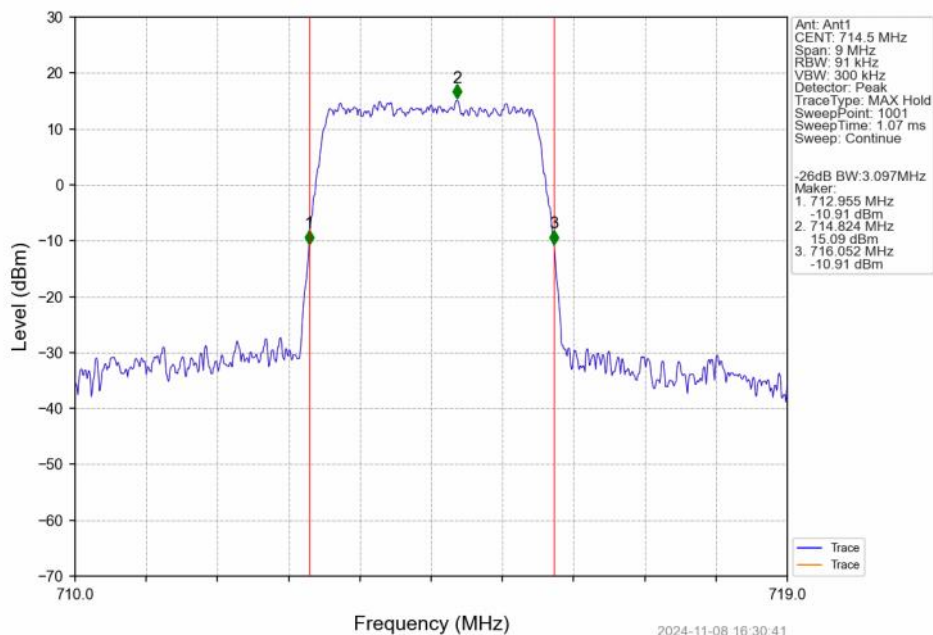
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



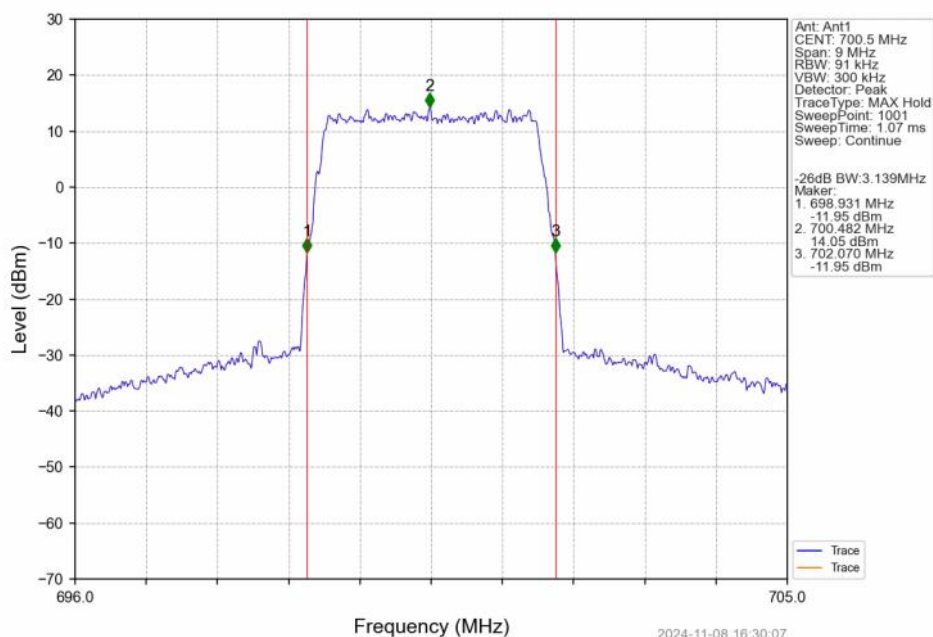
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



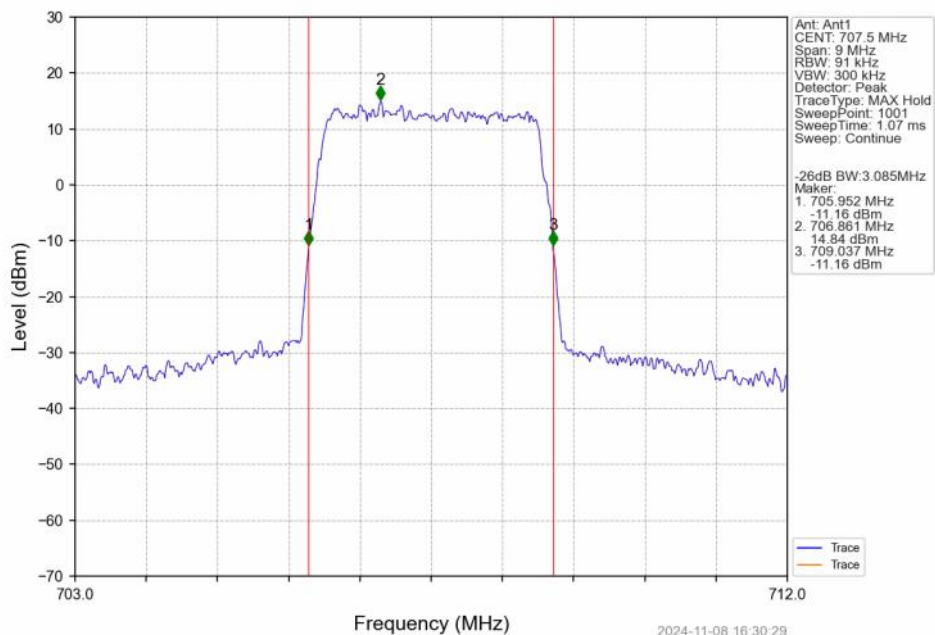
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



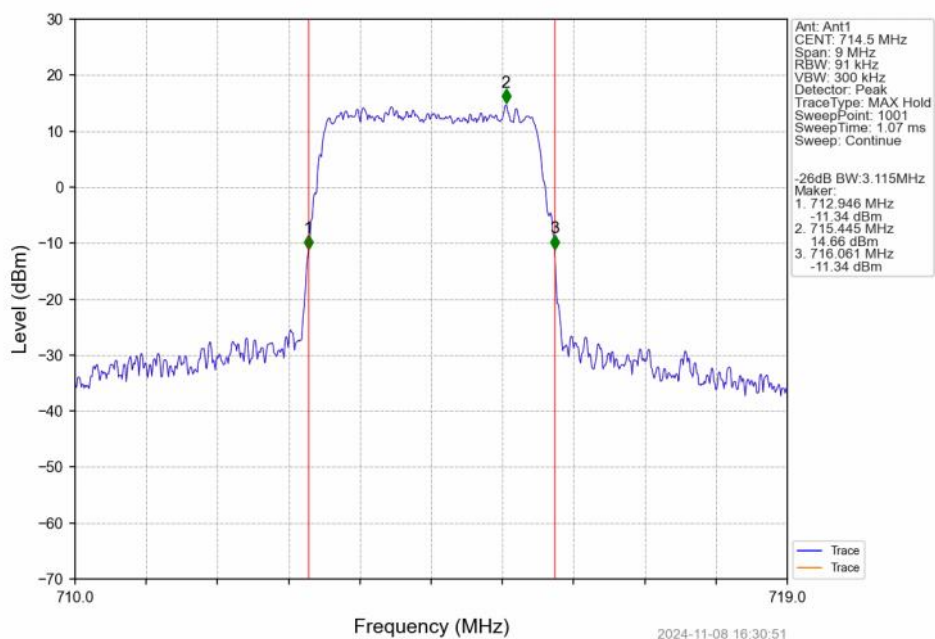
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



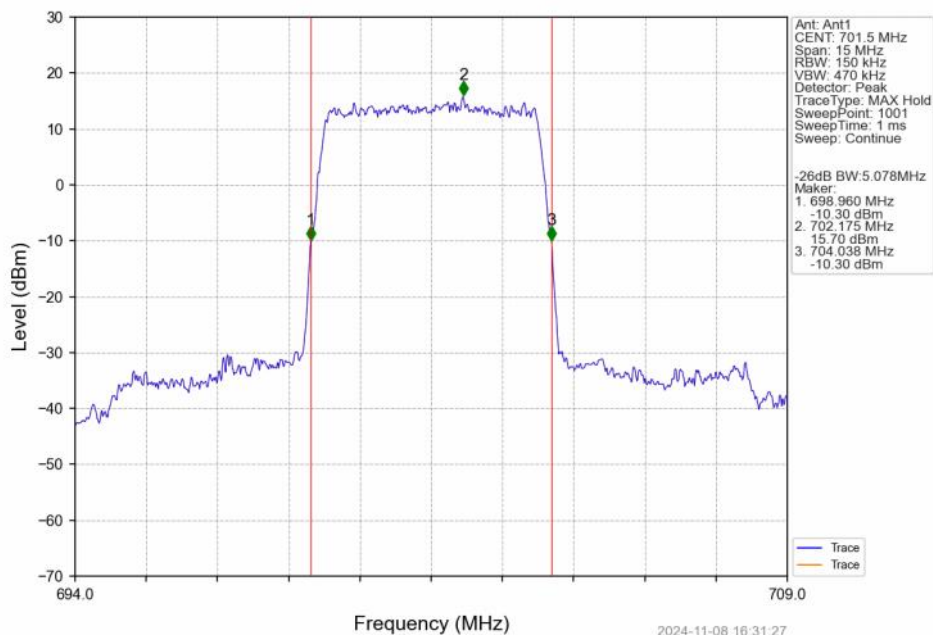
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTN



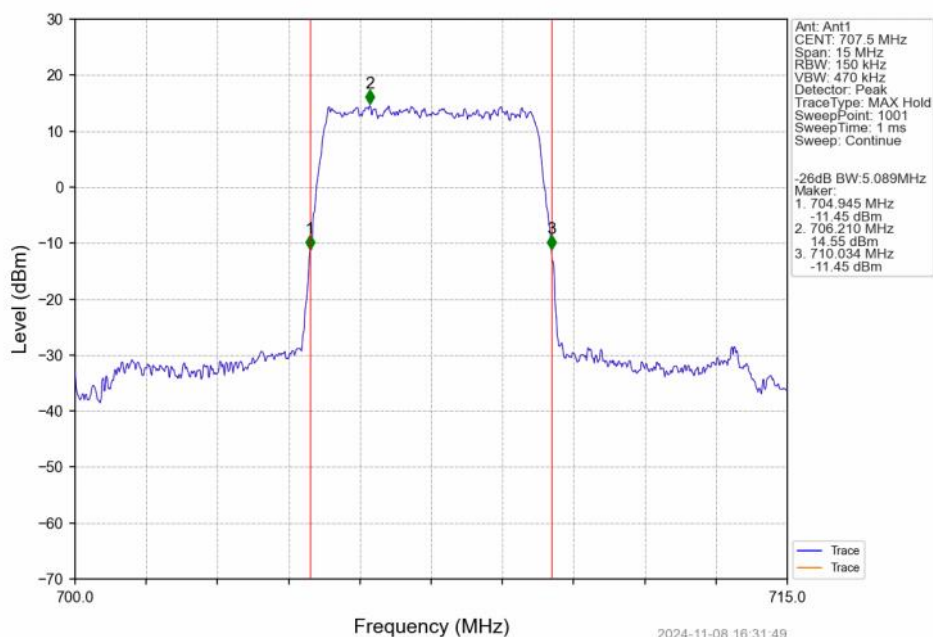
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTN



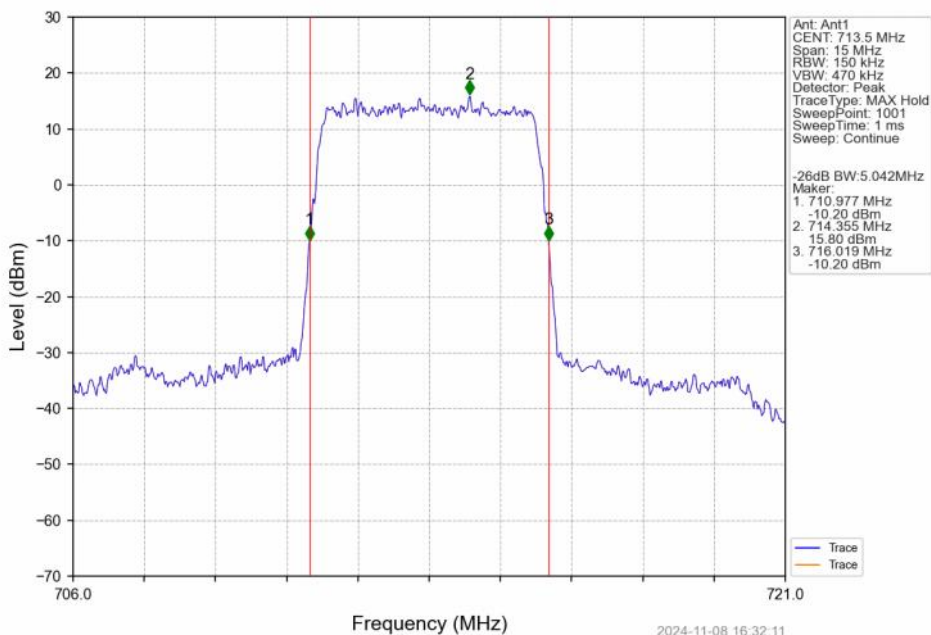
Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTN



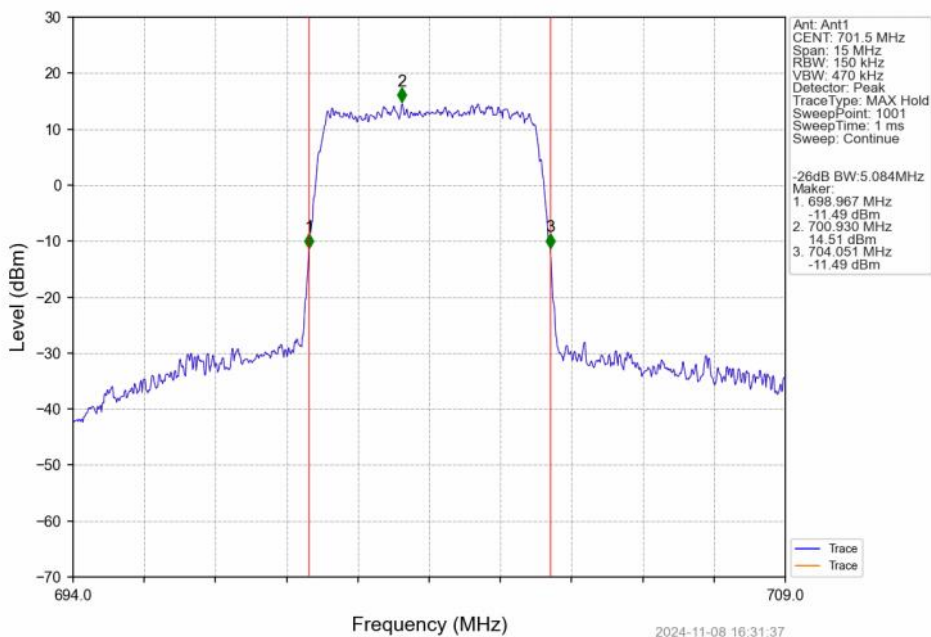
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTN



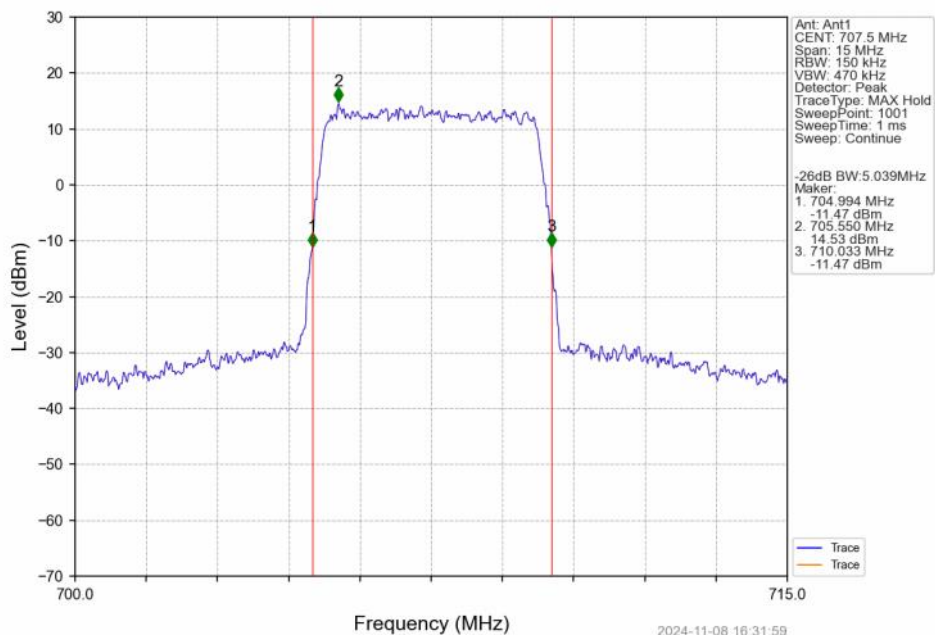
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



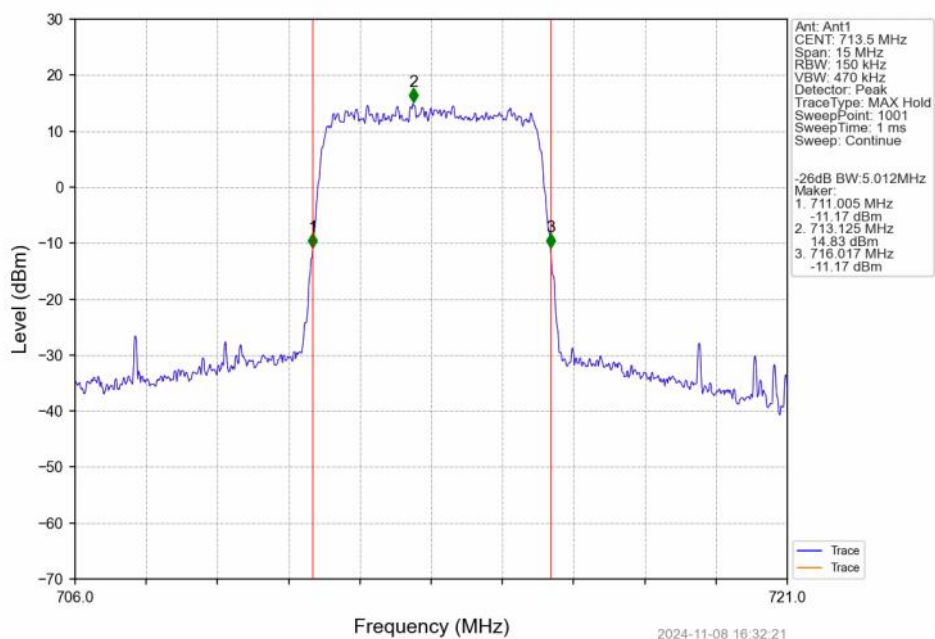
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



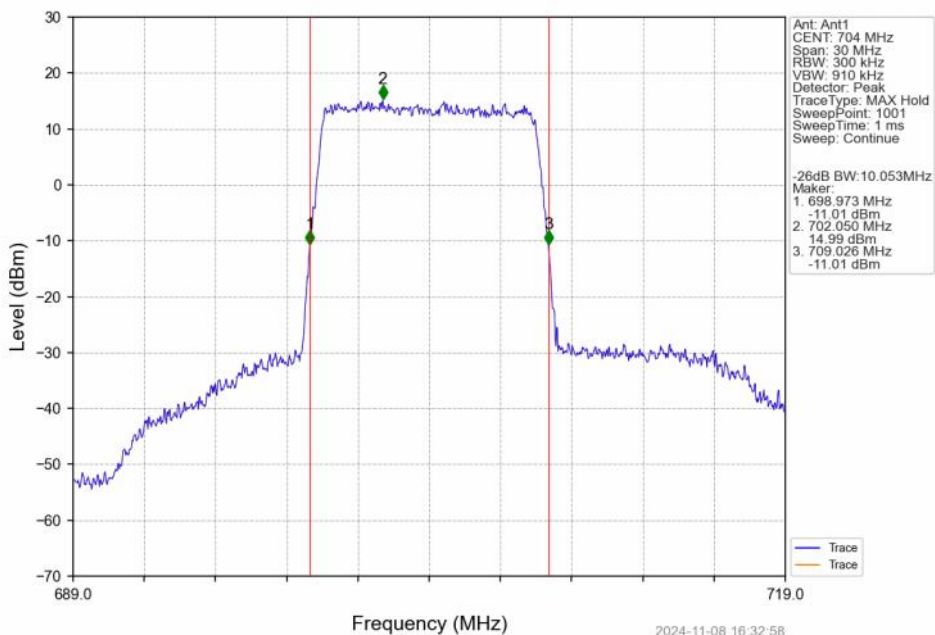
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



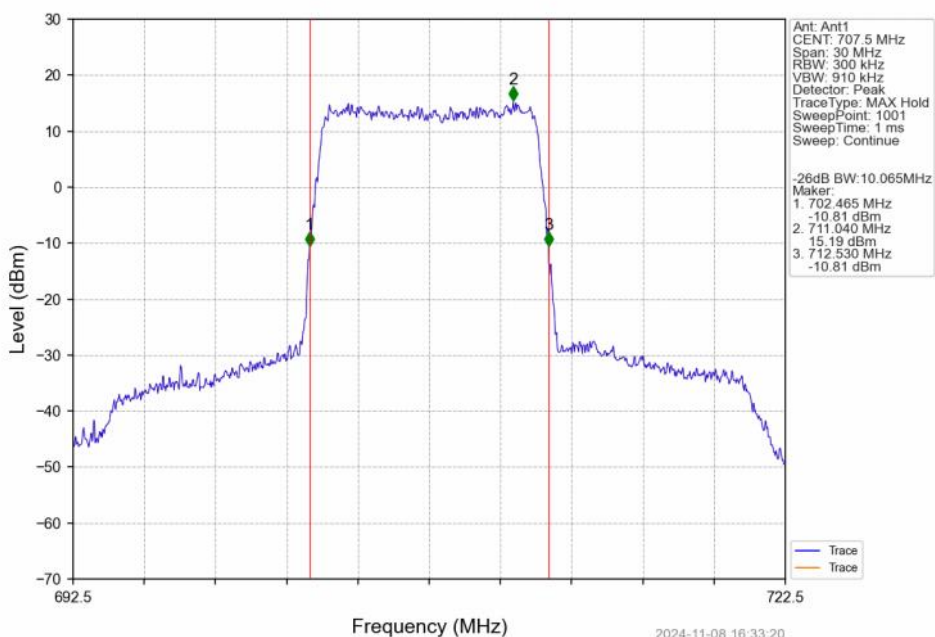
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



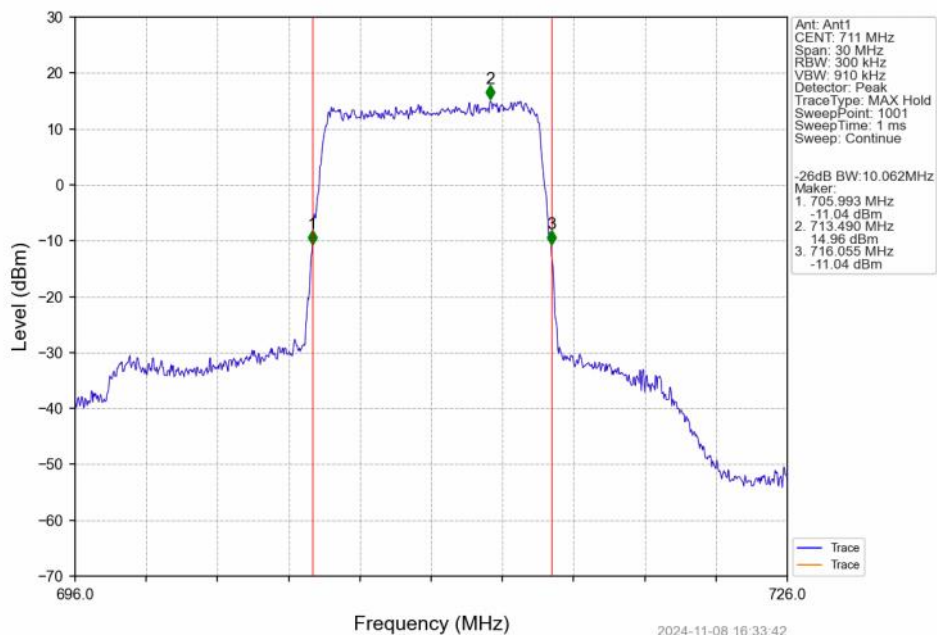
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTNV



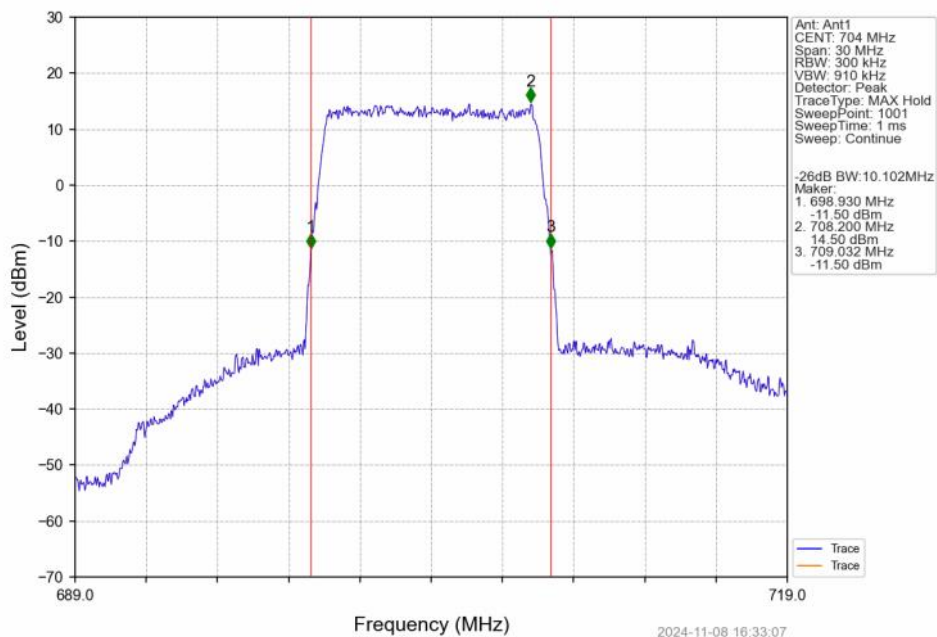
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTNV



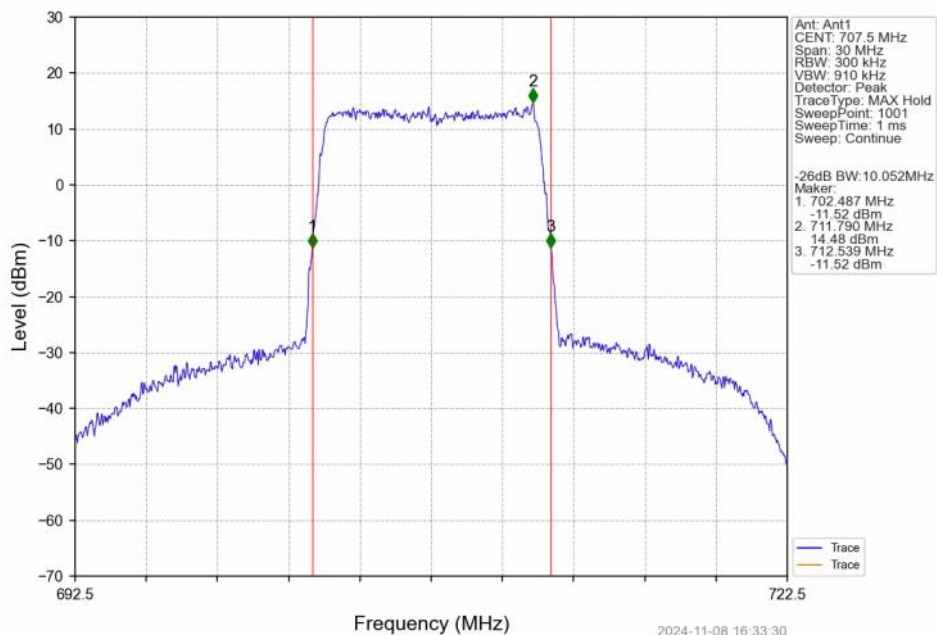
Band12 10MHz QPSK HCH 711MHz RB 50 0 NTN



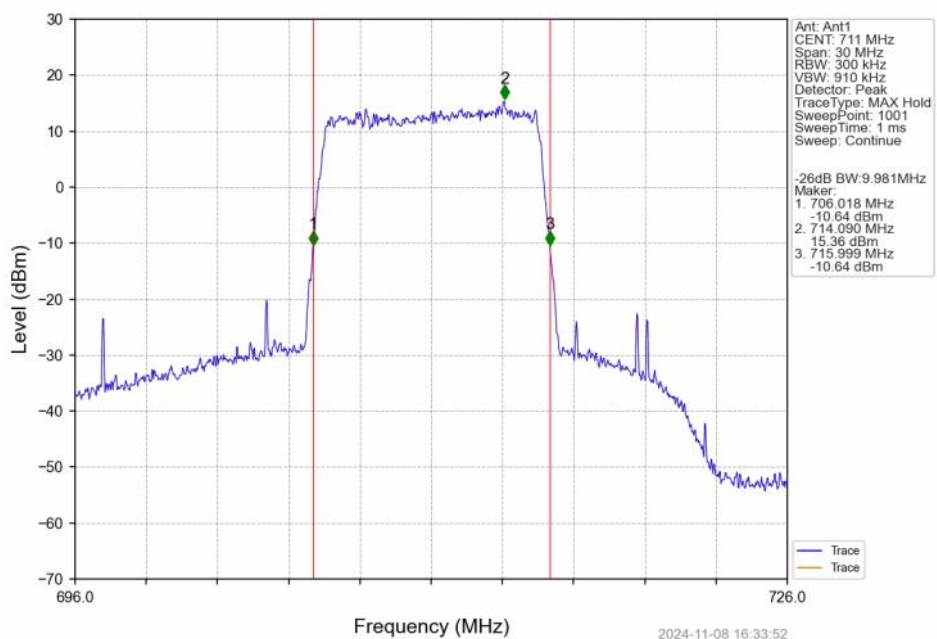
Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTN



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	5.95	<=13	Pass
	707.5	6	0	5.89	<=13	Pass
	715.3	6	0	5.71	<=13	Pass
16QAM	699.7	6	0	6.63	<=13	Pass
	707.5	6	0	6.78	<=13	Pass
	715.3	6	0	6.58	<=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	5.87	<=13	Pass
	707.5	15	0	5.87	<=13	Pass
	714.5	15	0	5.81	<=13	Pass
16QAM	700.5	15	0	6.67	<=13	Pass
	707.5	15	0	6.73	<=13	Pass
	714.5	15	0	6.59	<=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	5.76	<=13	Pass
	707.5	25	0	5.91	<=13	Pass
	713.5	25	0	5.79	<=13	Pass
16QAM	701.5	25	0	6.52	<=13	Pass
	707.5	25	0	6.61	<=13	Pass
	713.5	25	0	6.47	<=13	Pass

5.1.4 B12_10MHz

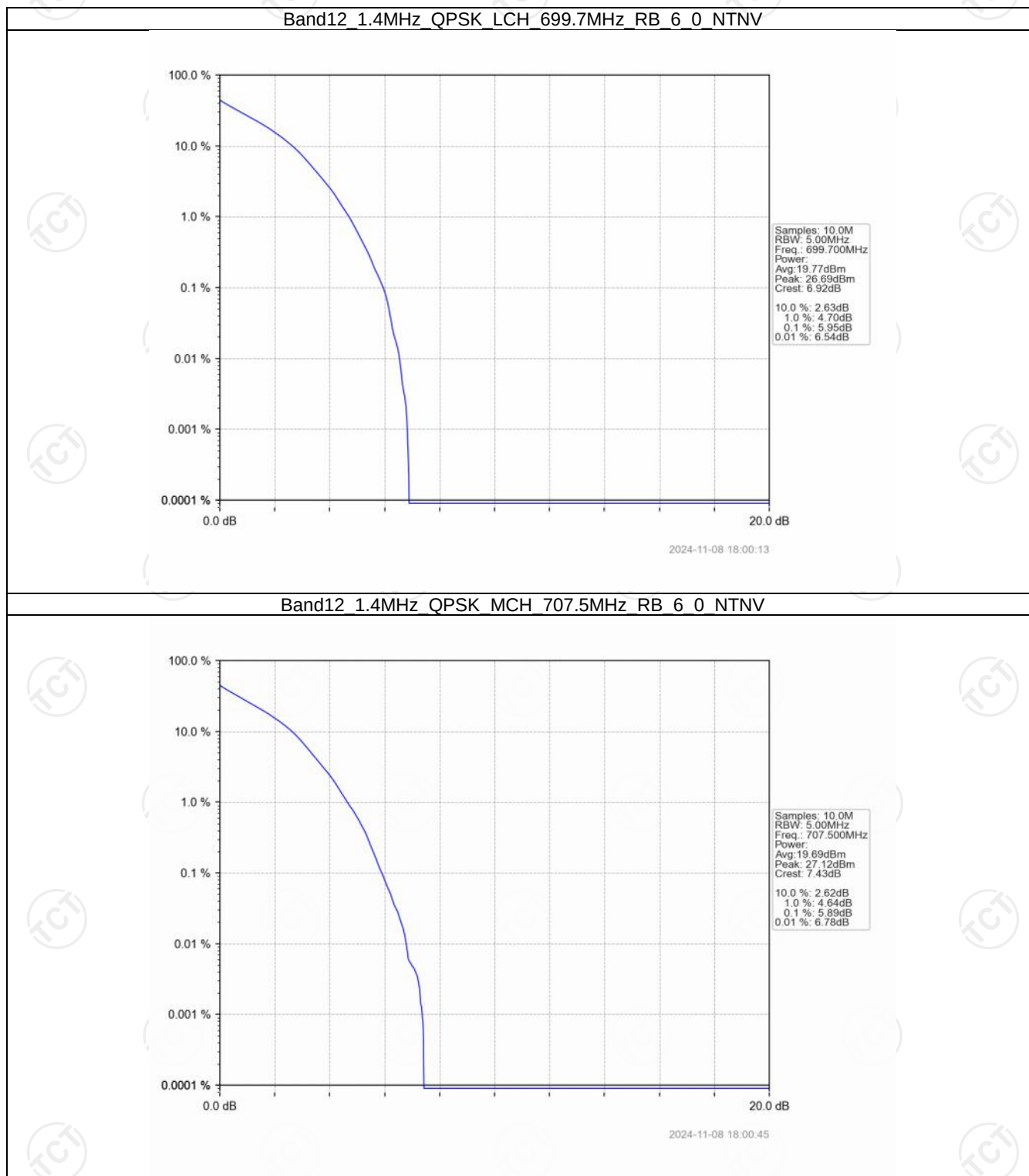
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.81	<=13	Pass
	707.5	50	0	6.01	<=13	Pass
	711	50	0	5.87	<=13	Pass
16QAM	704	50	0	6.55	<=13	Pass
	707.5	50	0	6.71	<=13	Pass

	711	50	0	6.57	<=13	Pass
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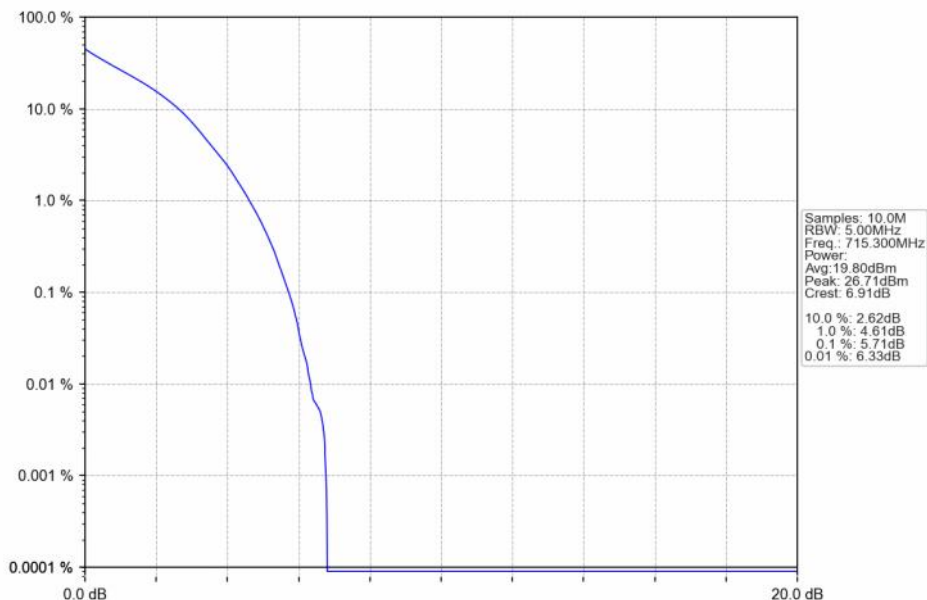


5.2 Test Graph

5.2.1 B12_1.4MHz

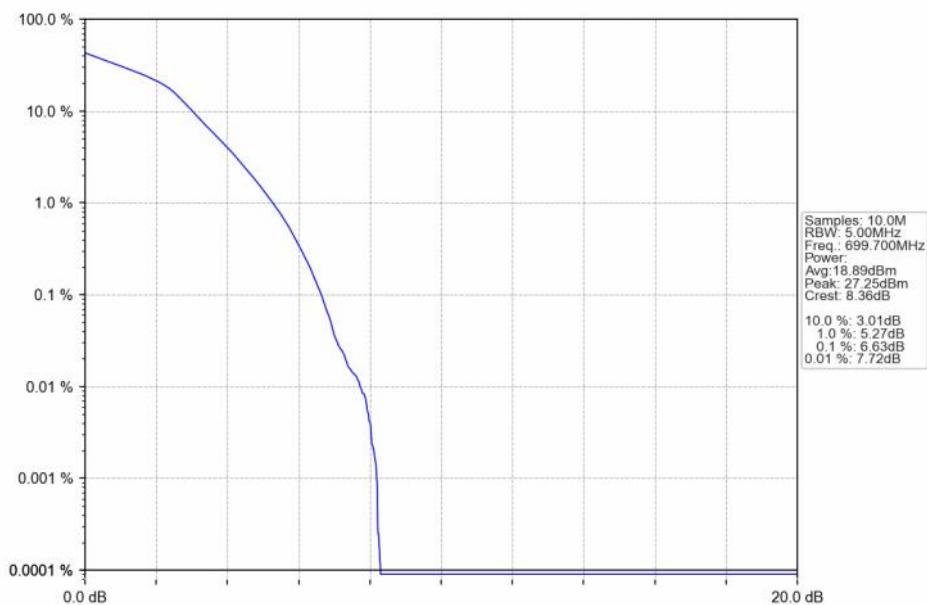


Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



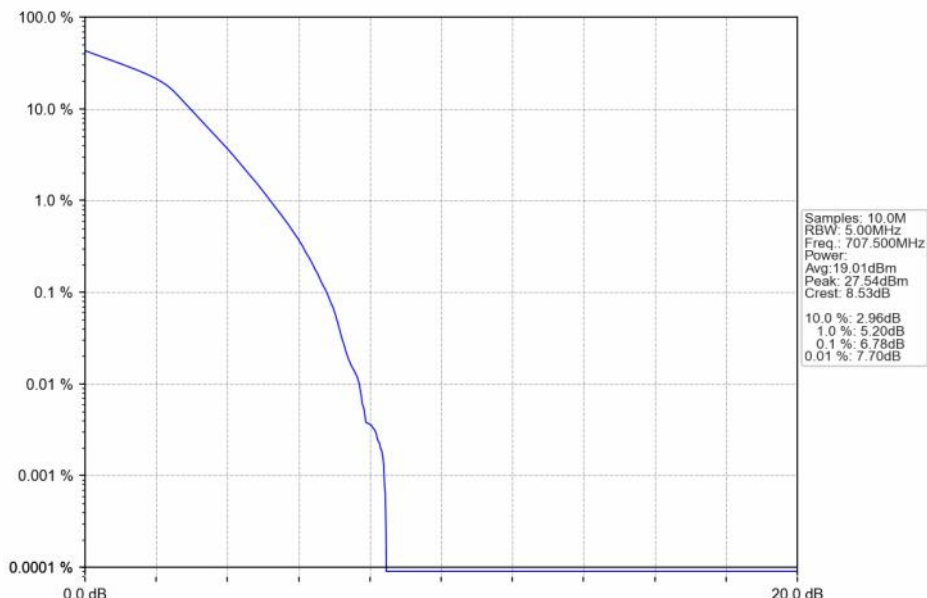
2024-11-08 18:01:14

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



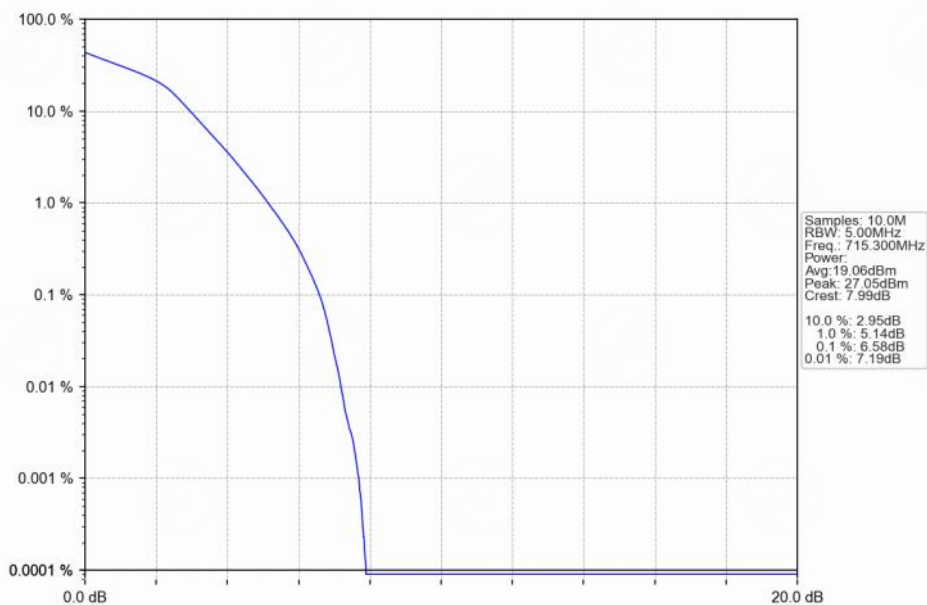
2024-11-08 18:00:29

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



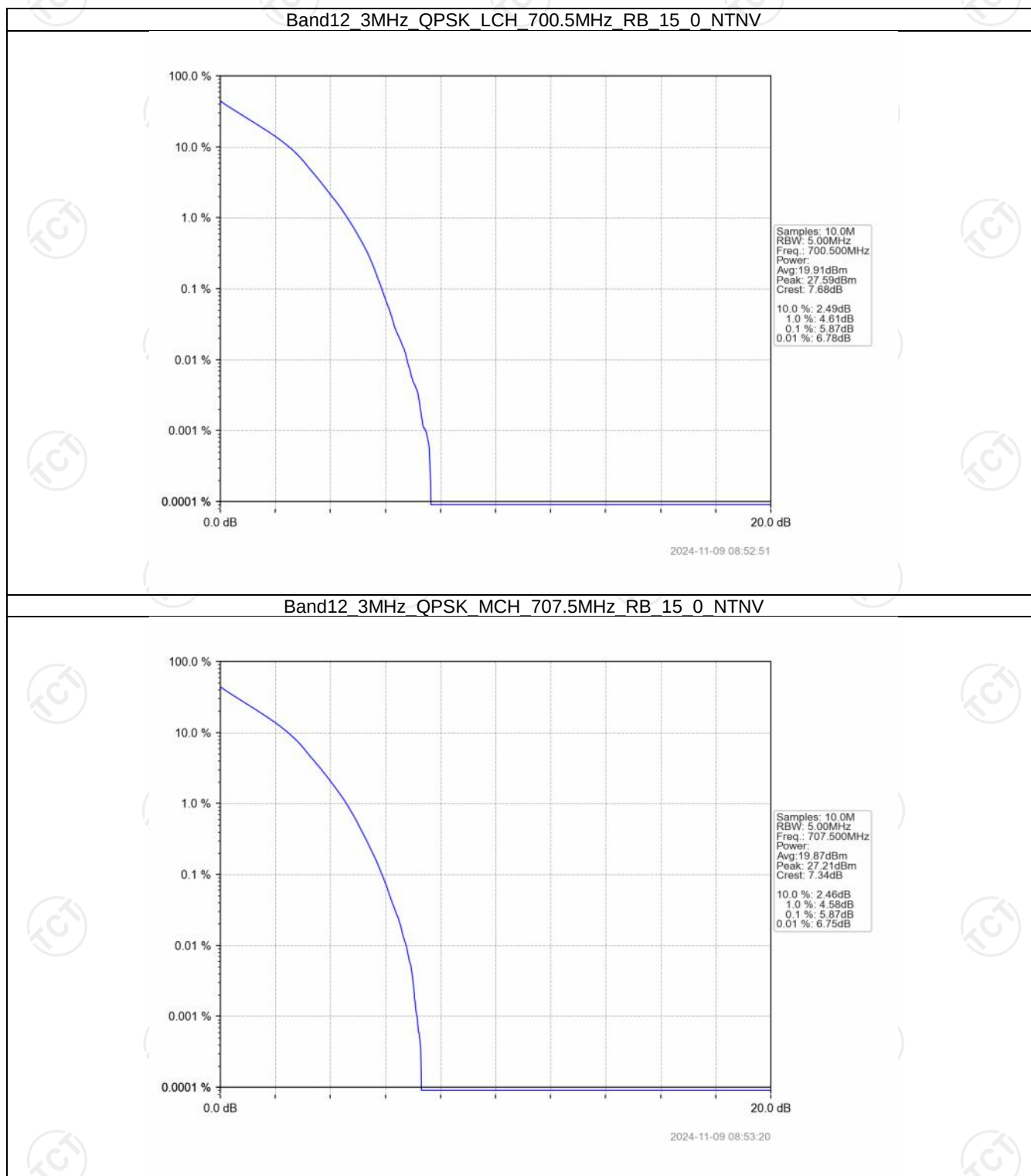
2024-11-08 18:00:59

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

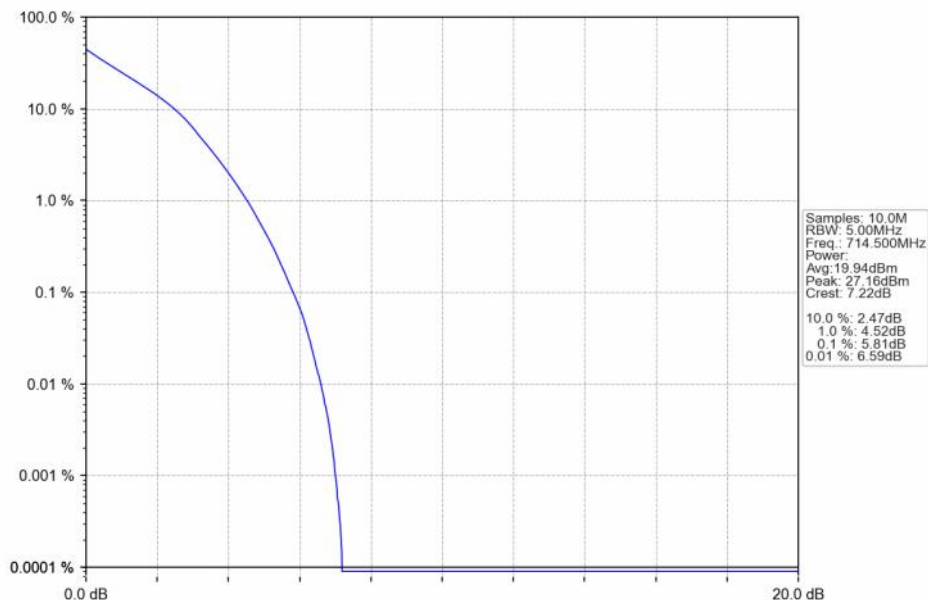


2024-11-09 08:52:08

5.2.2 B12_3MHz

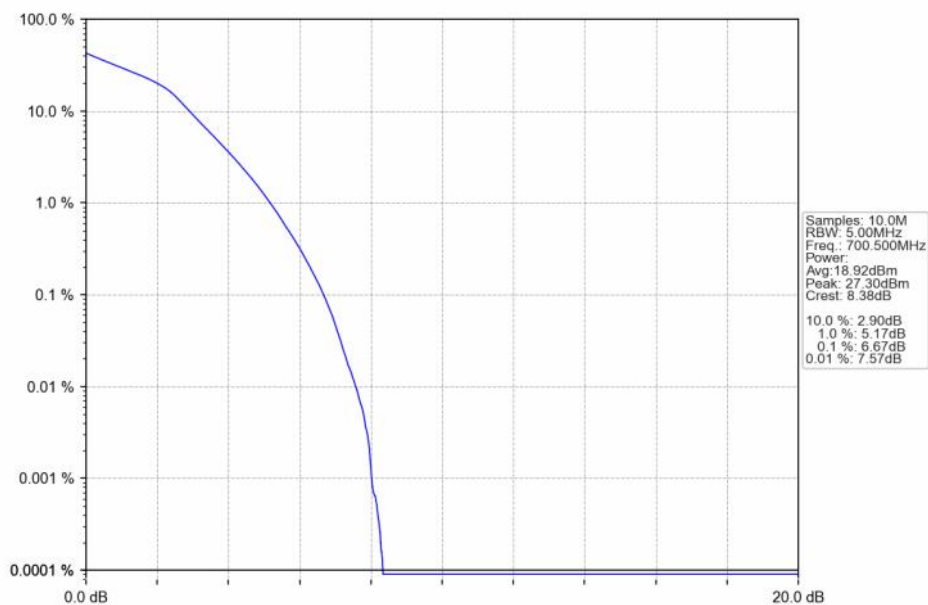


Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



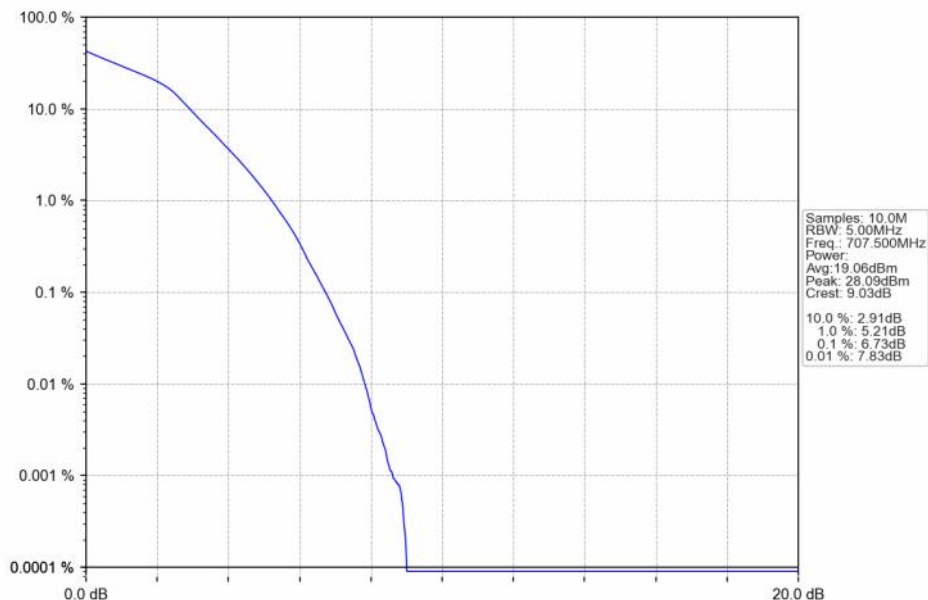
2024-11-09 08:53:49

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



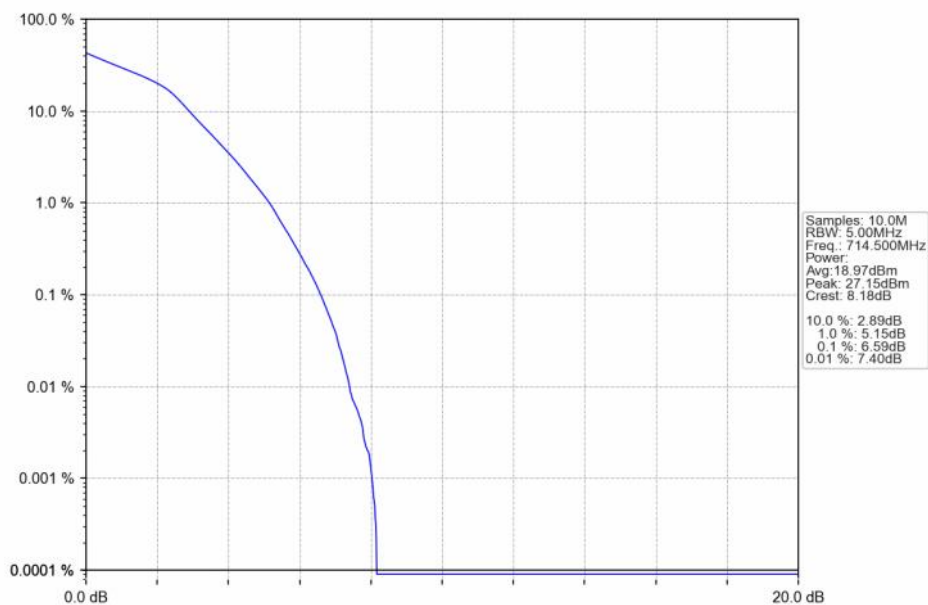
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Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



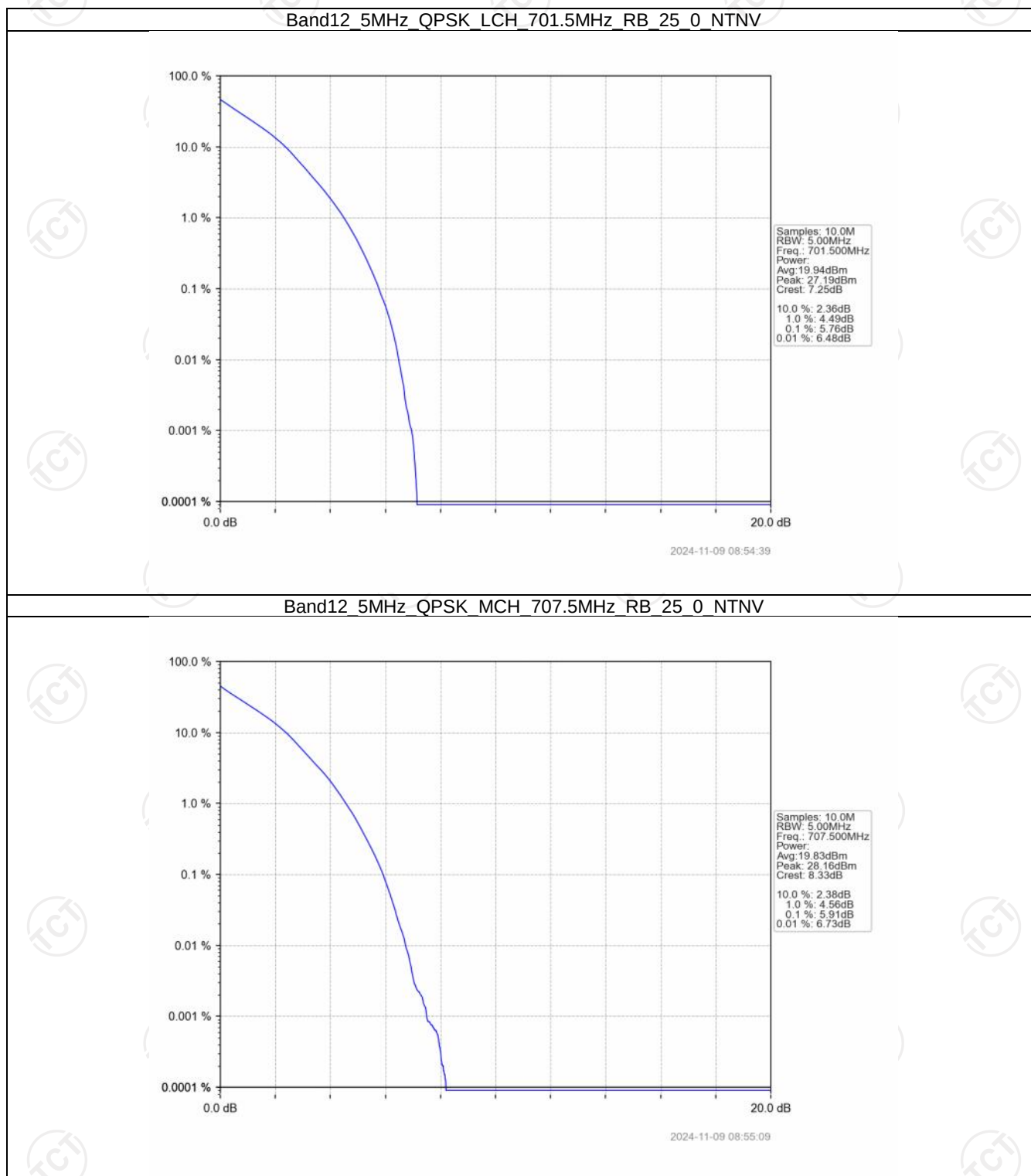
2024-11-09 08:53:34

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

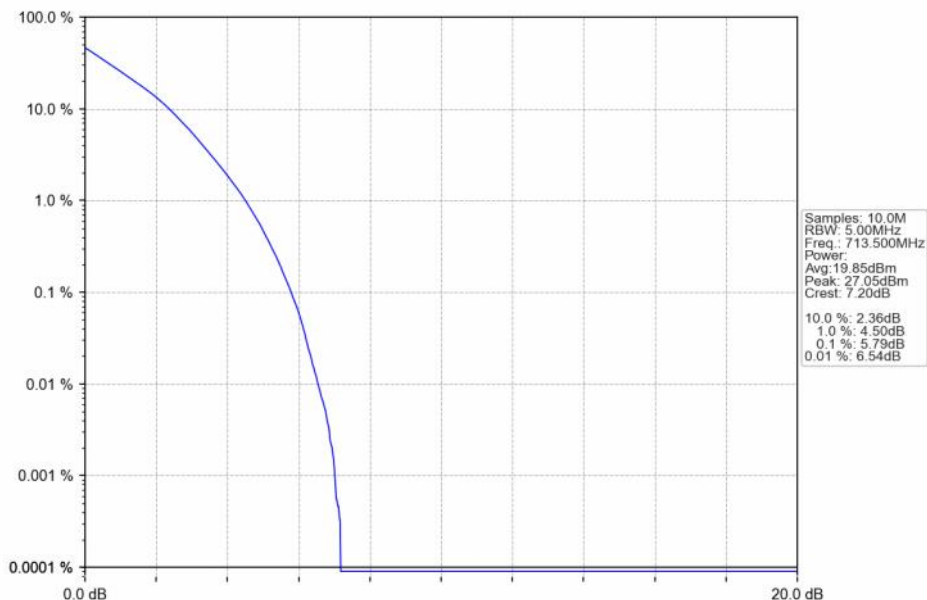


2024-11-09 08:54:02

5.2.3 B12_5MHz

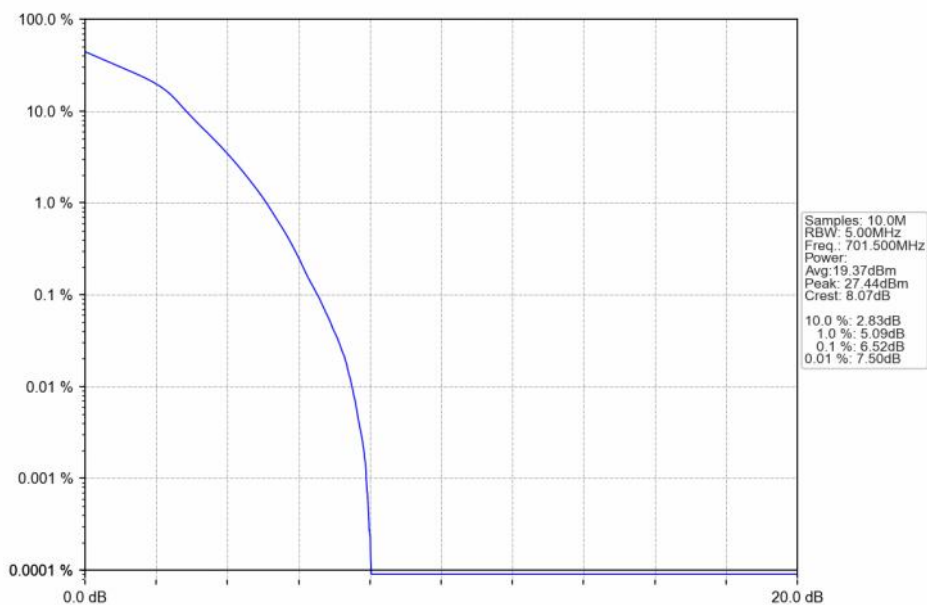


Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



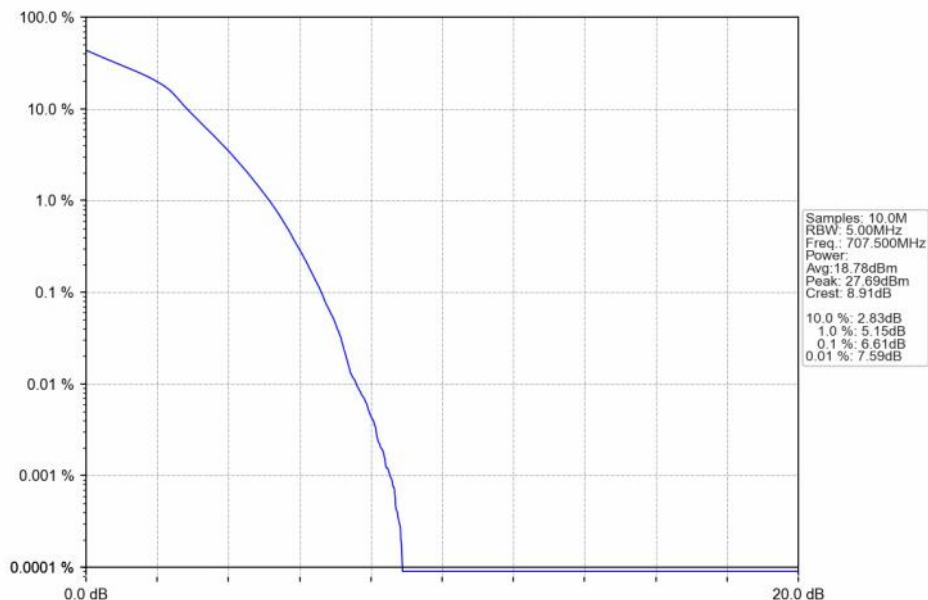
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Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



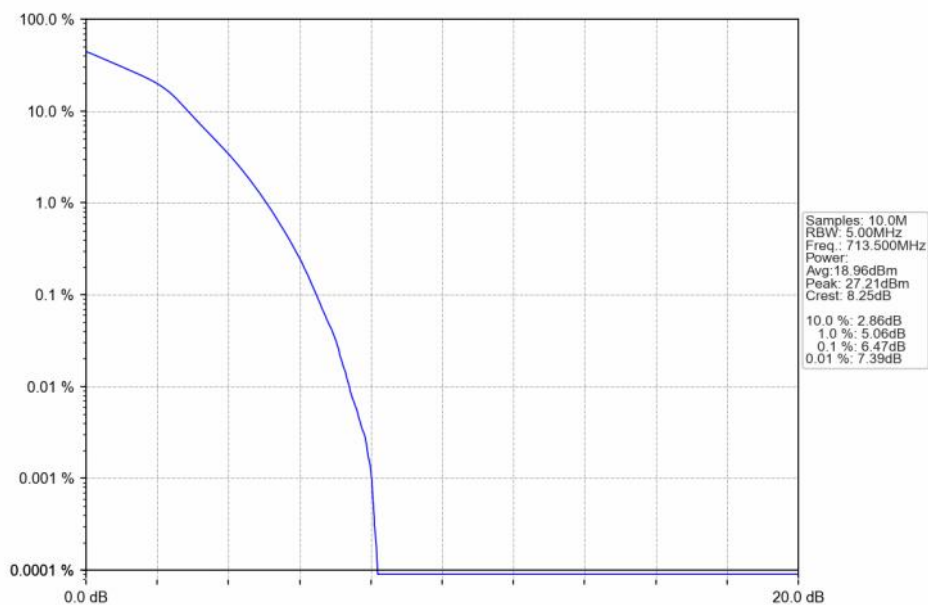
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Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



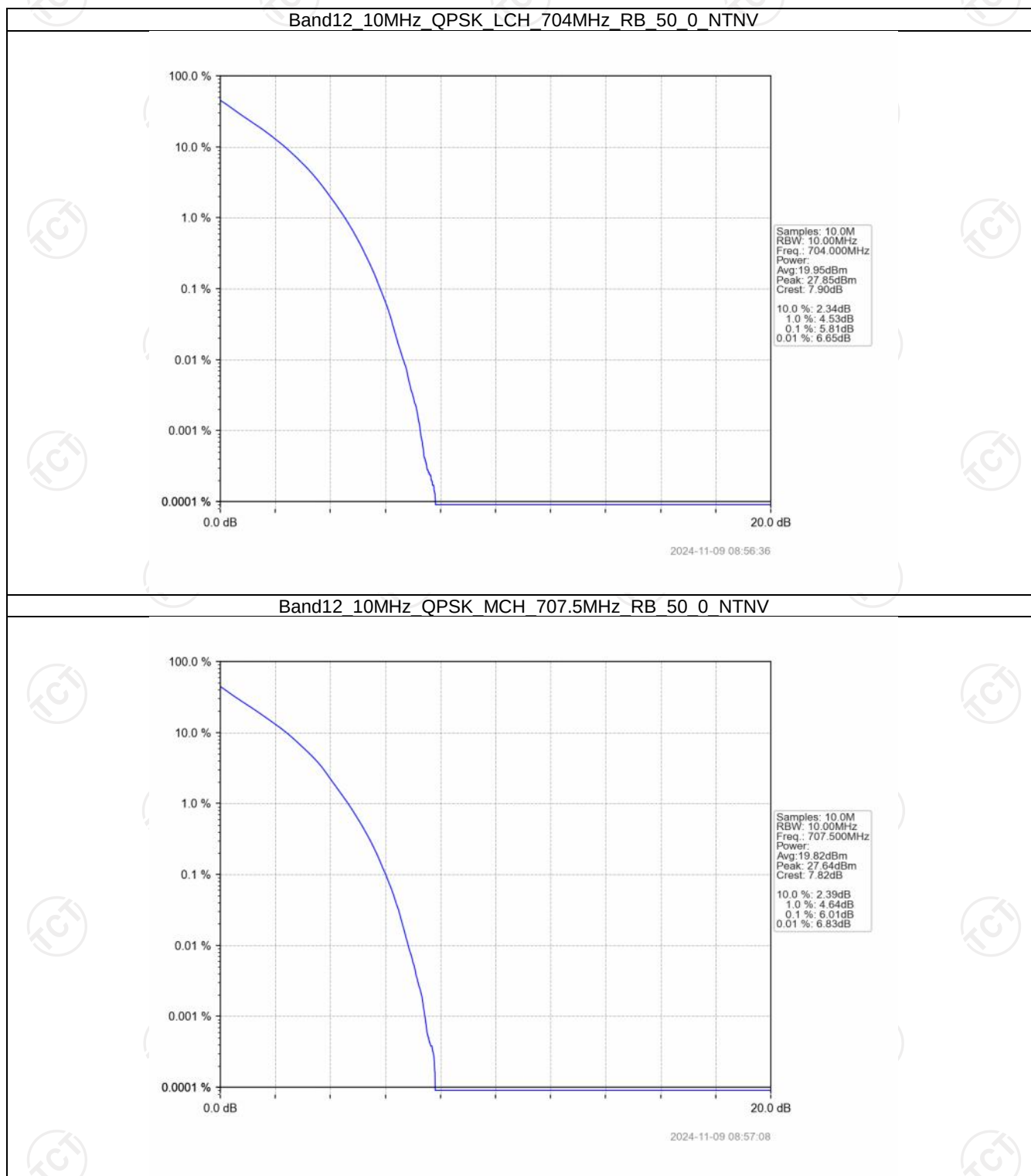
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Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV

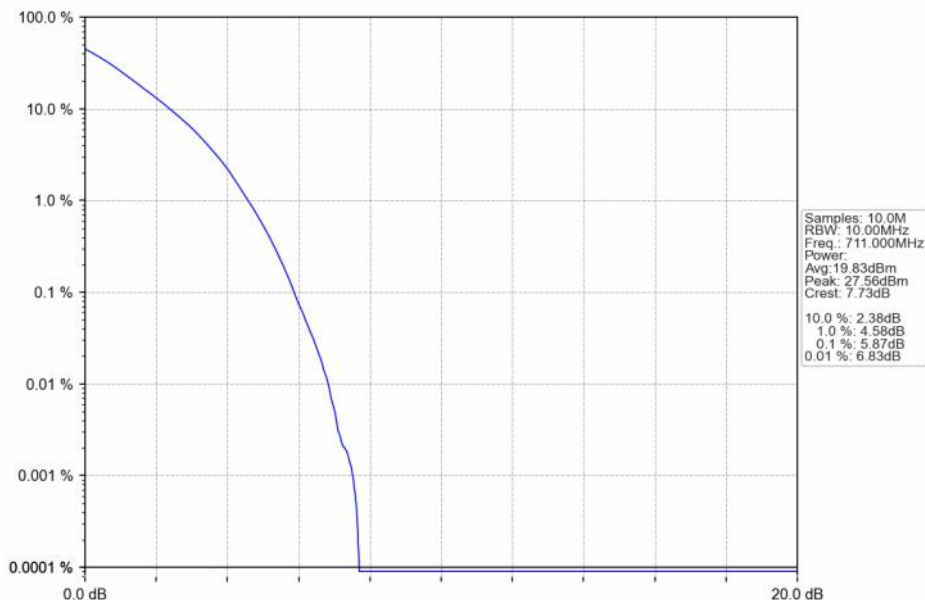


2024-11-09 08:55:53

5.2.4 B12_10MHz

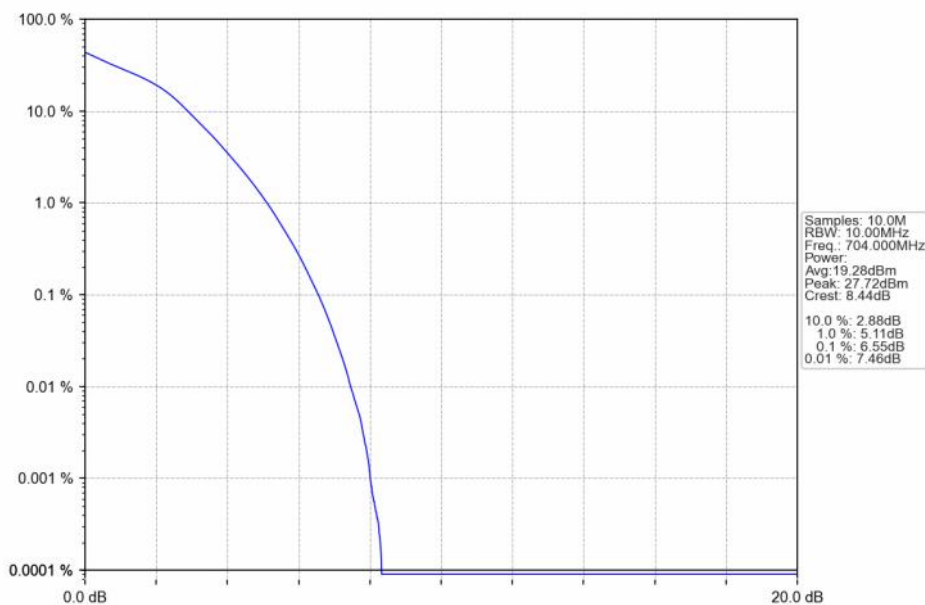


Band12 10MHz QPSK HCH 711MHz RB 50 0 NTN



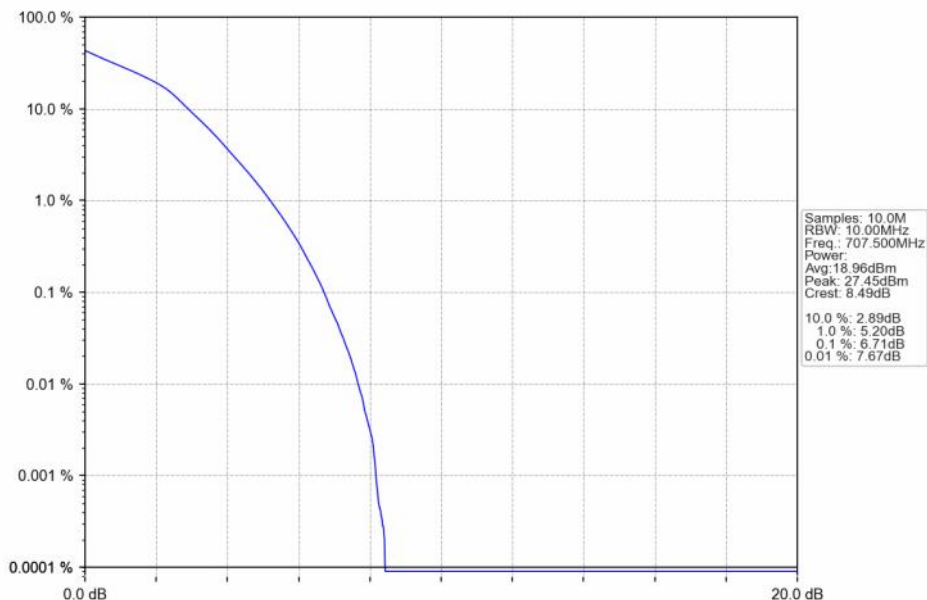
2024-11-09 08:57:41

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



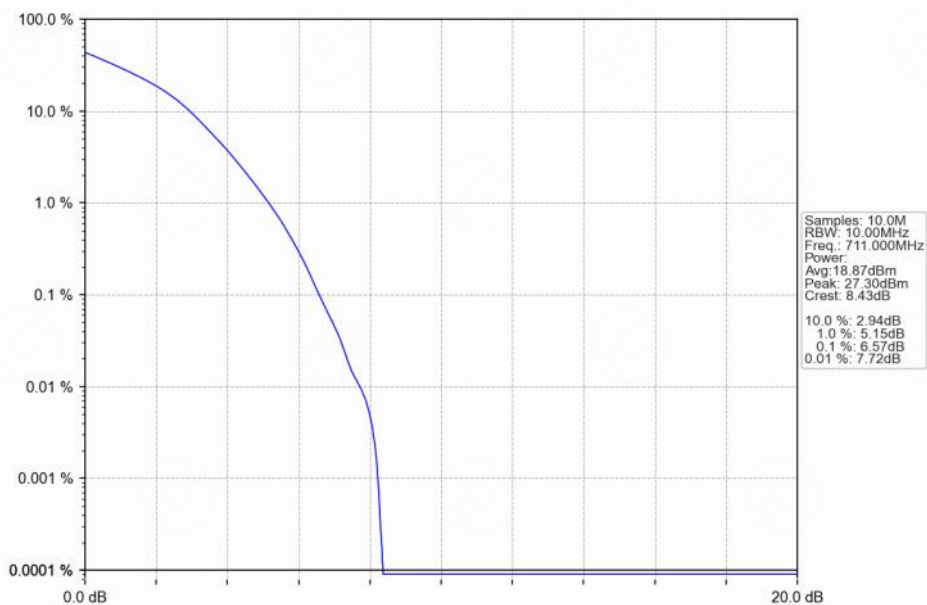
2024-11-09 08:56:51

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



2024-11-09 08:57:23

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



2024-11-09 08:57:56

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
	715.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
		6	0	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
	715.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
		6	0	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
	714.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	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
	714.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	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
	713.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	701.5	1	0	Refer To Test Graph		Pass

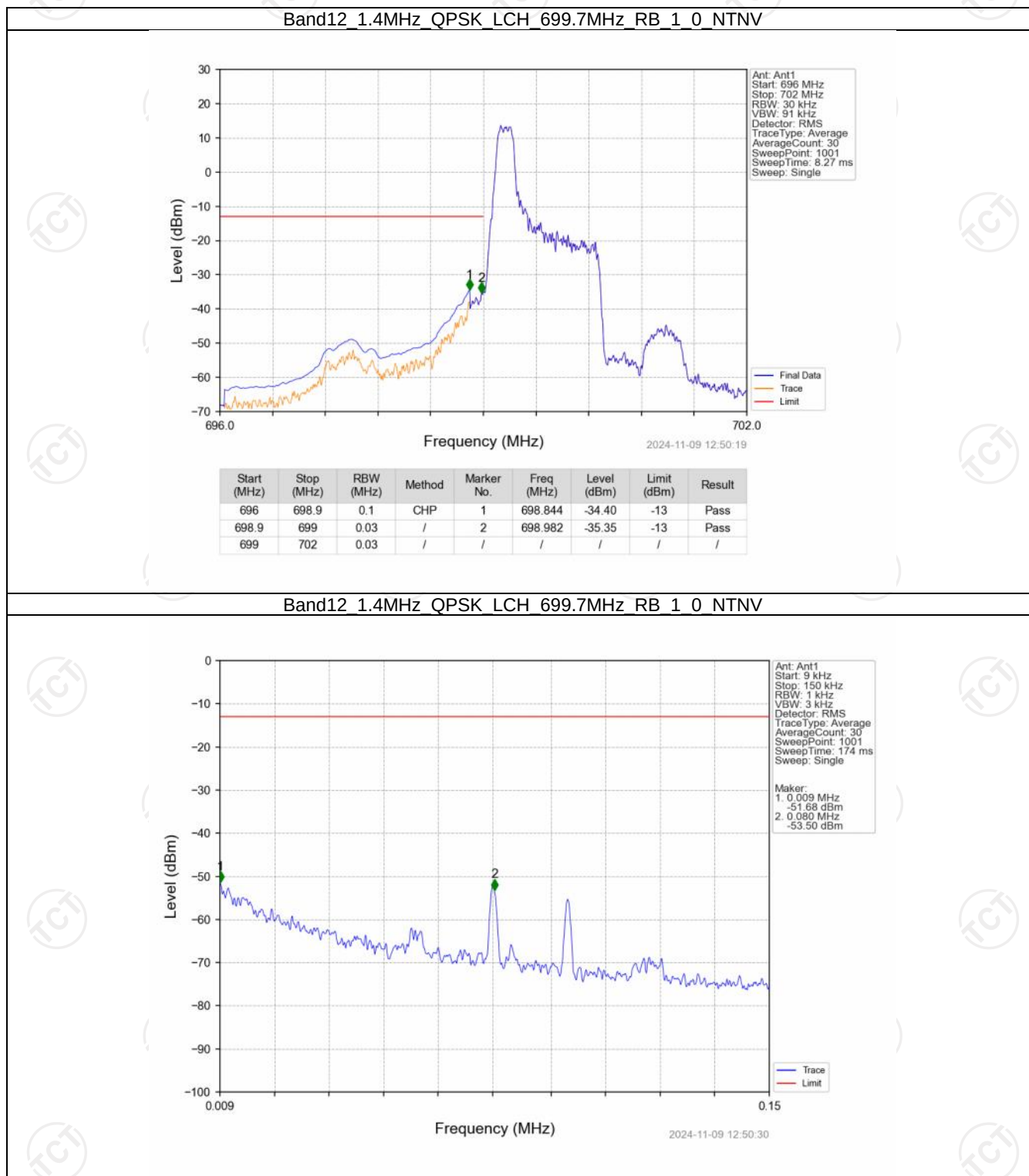
		25	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B12_10MHz

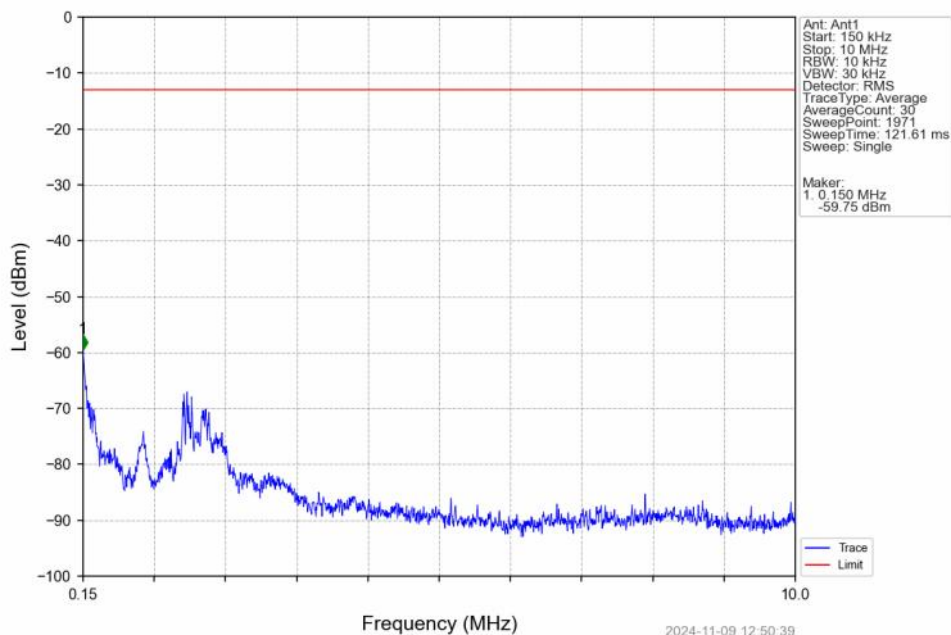
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

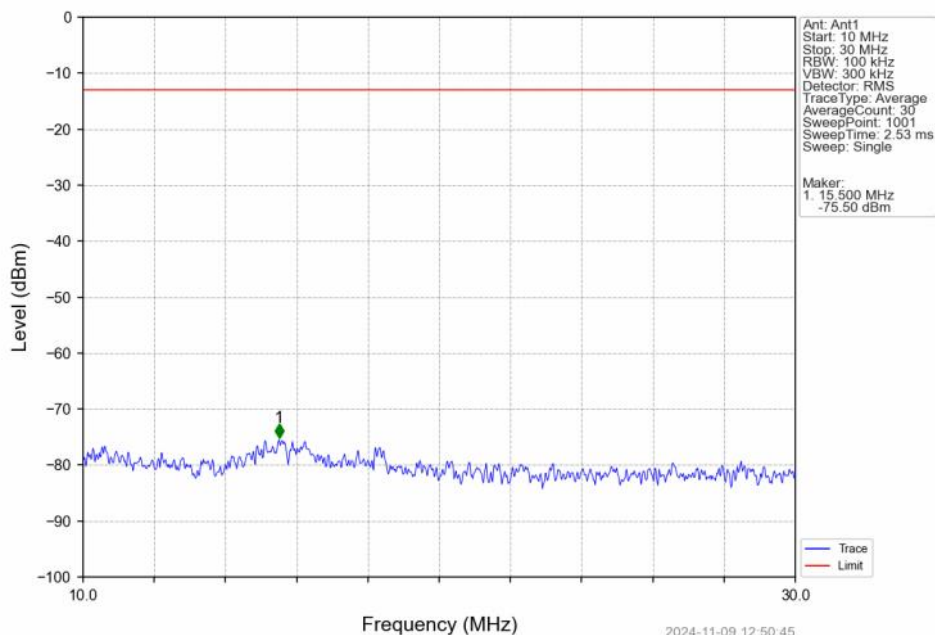
6.2.1 B12_1.4MHz



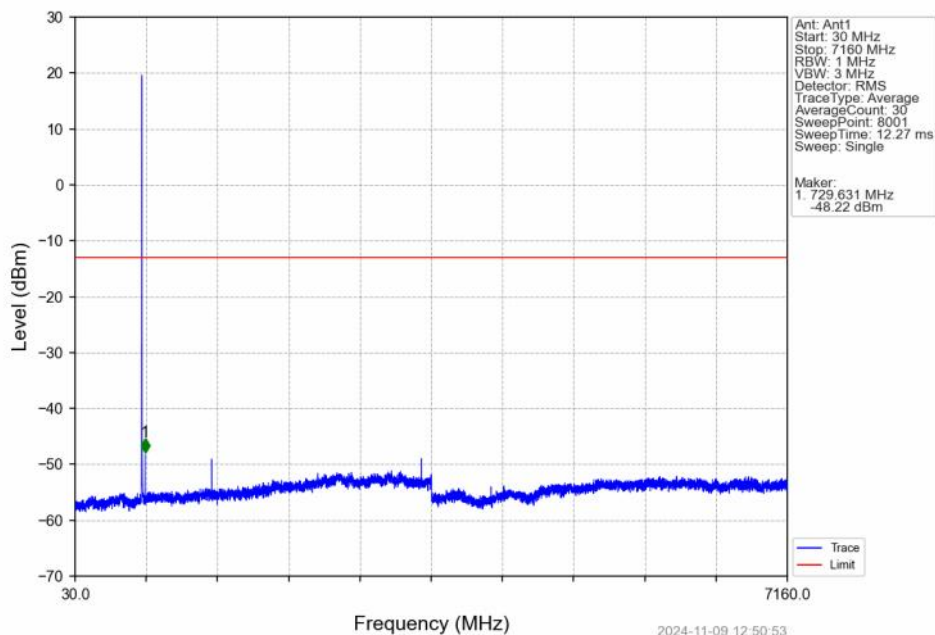
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTNV



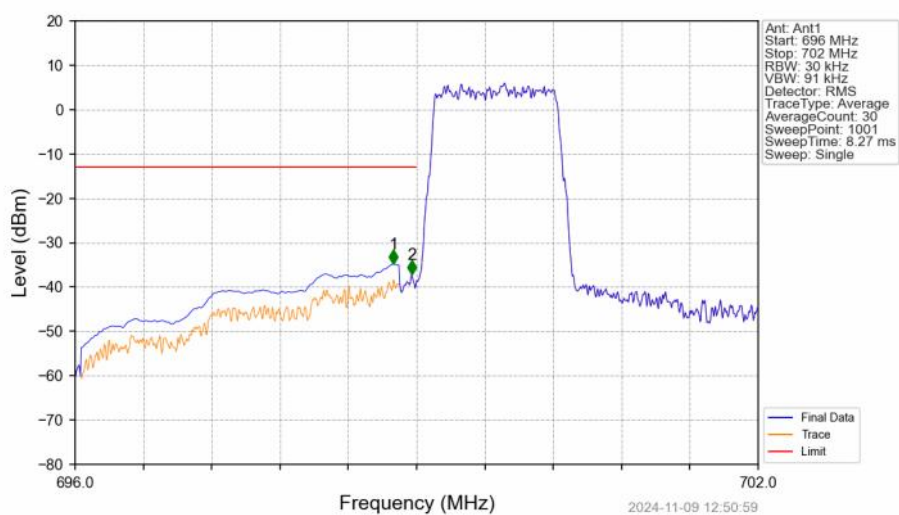
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTNV



Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTV

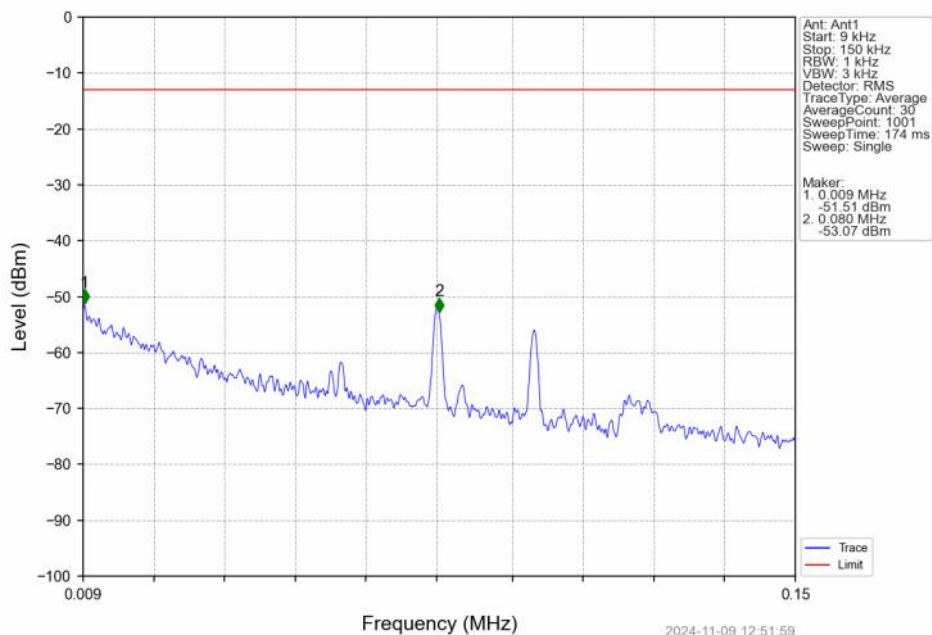


Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTV

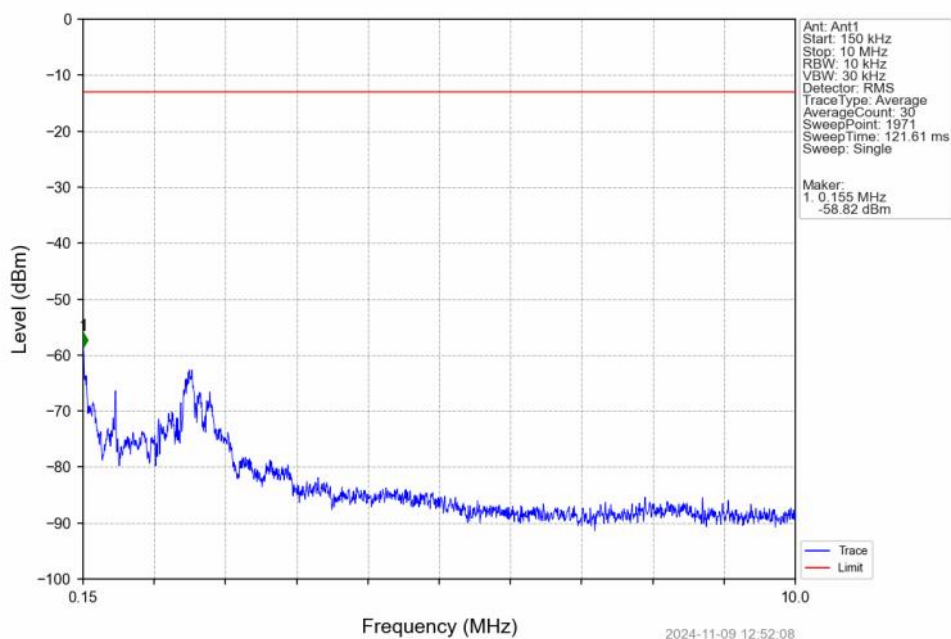


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.796	-34.75	-13	Pass
698.9	699	0.03	/	2	698.958	-37.20	-13	Pass
699	702	0.03	/	/	/	/	/	/

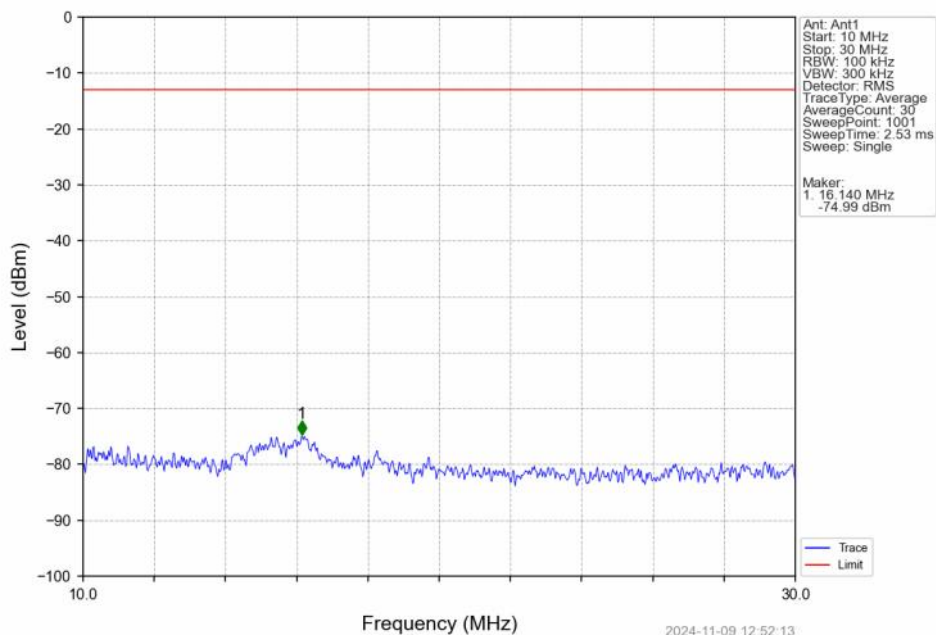
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



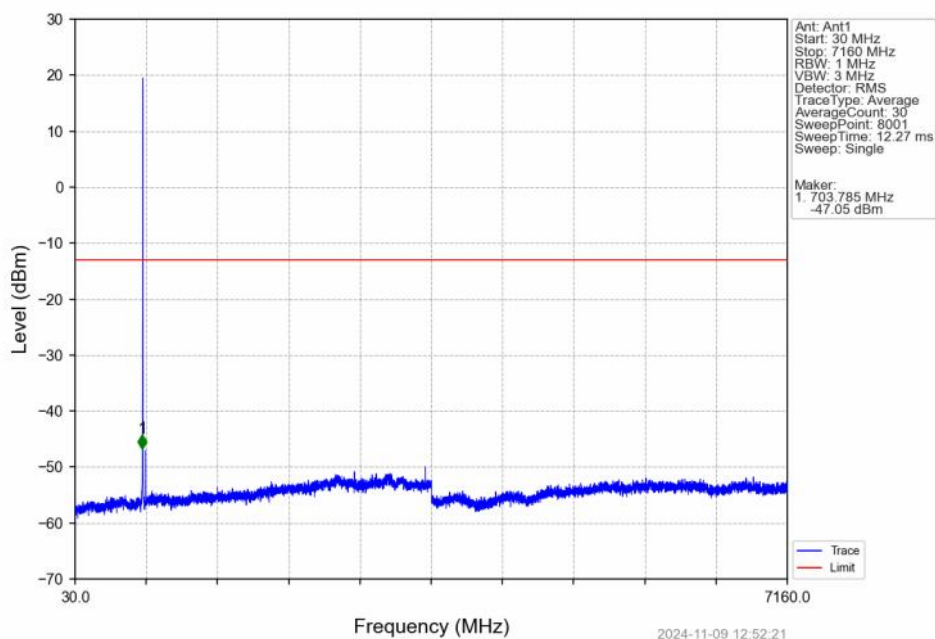
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



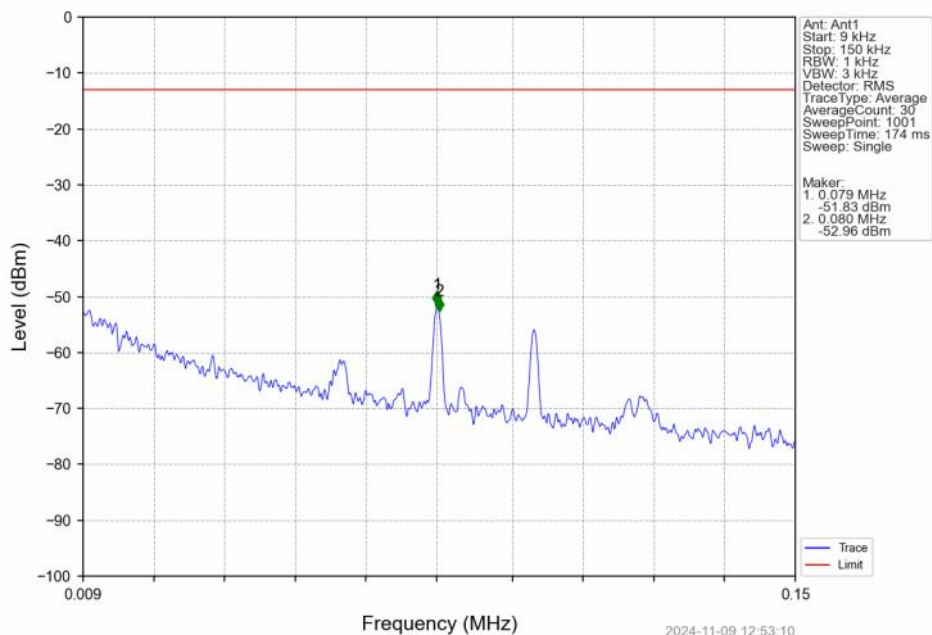
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



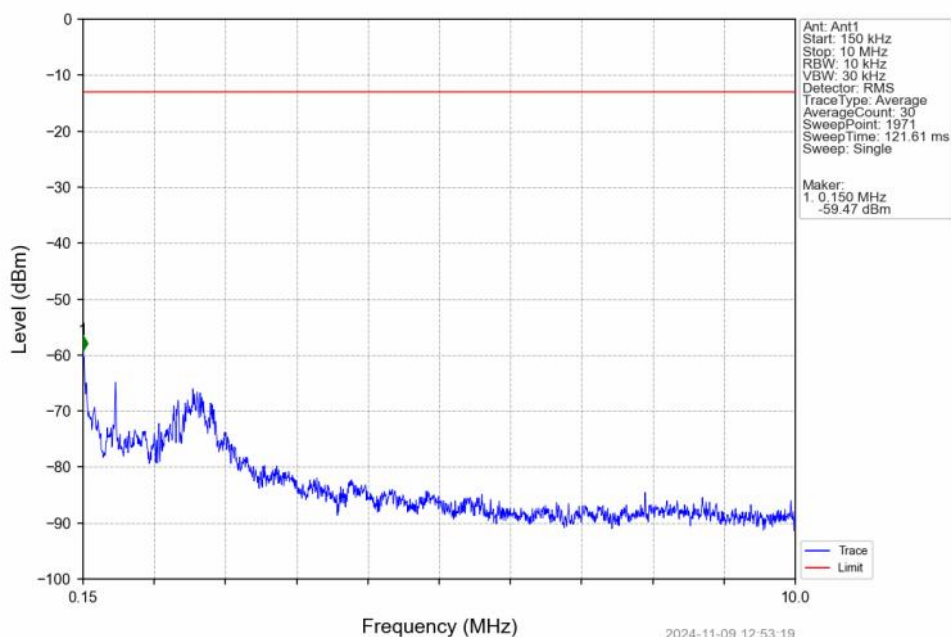
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



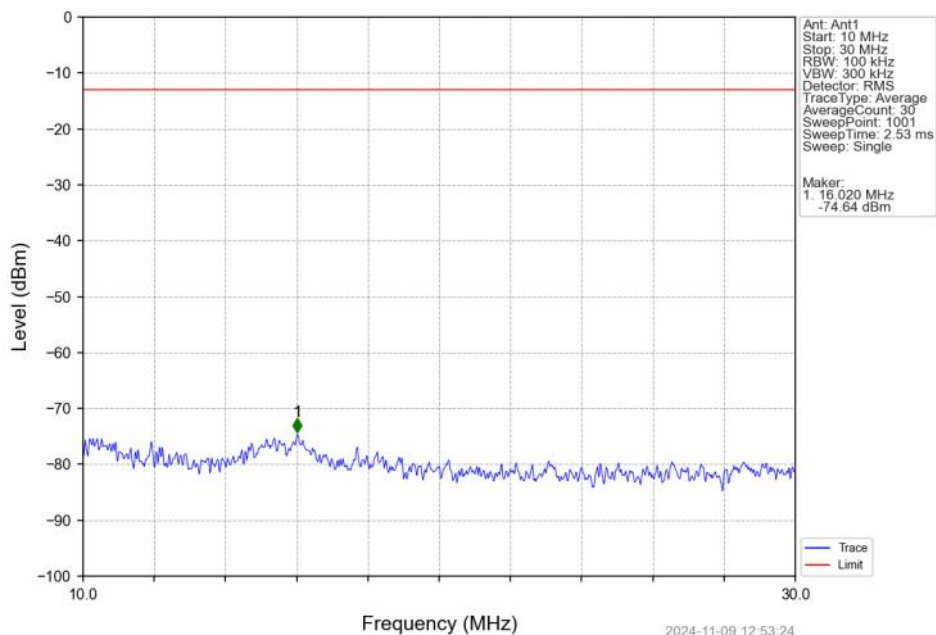
Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTV



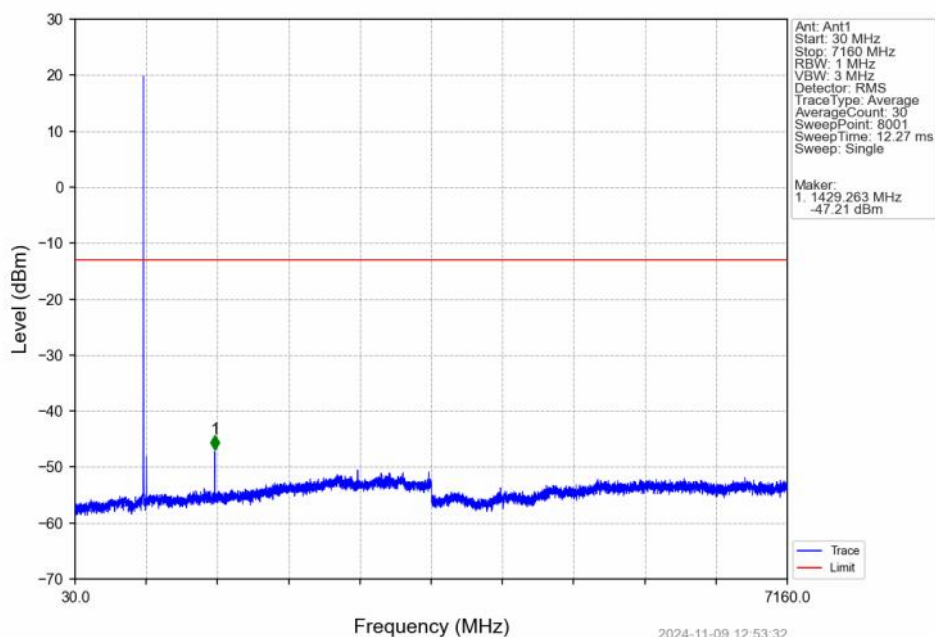
Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTV



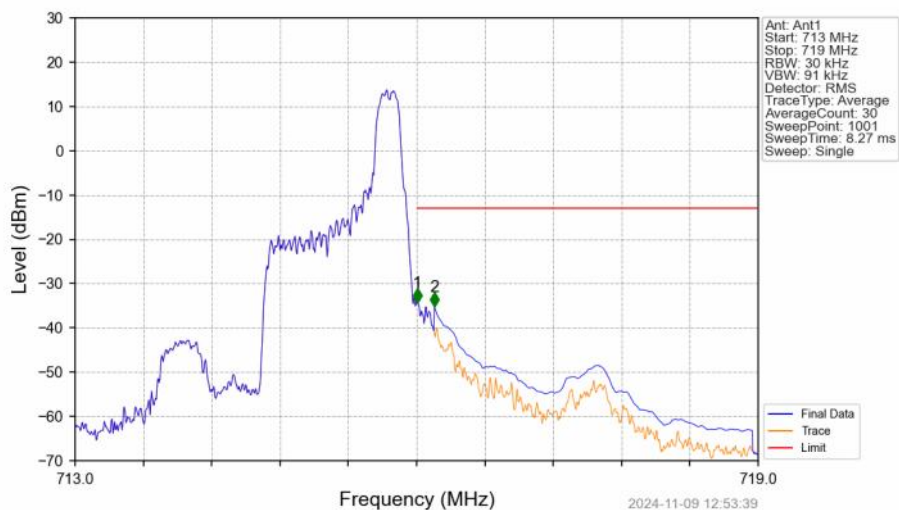
Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTNV



Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTNV

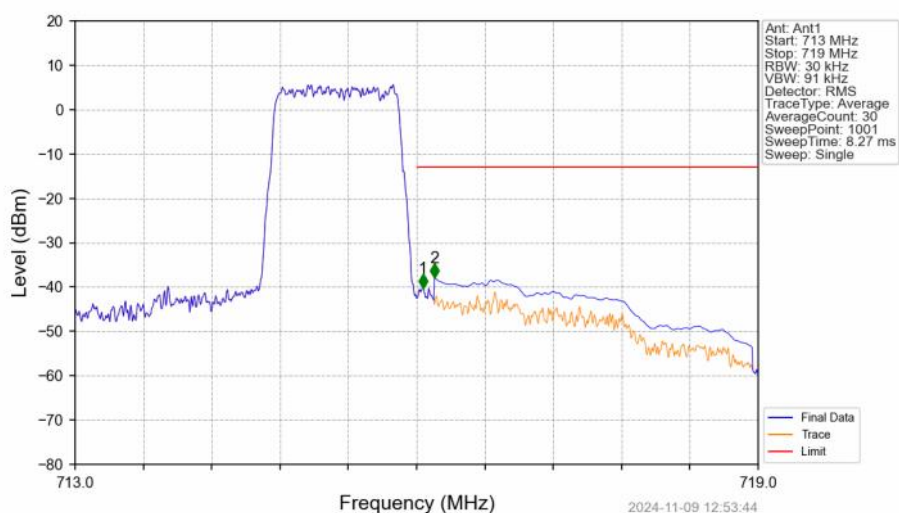


Band12 1.4MHz QPSK HCH 715.3MHz RB 1 5 NTNV



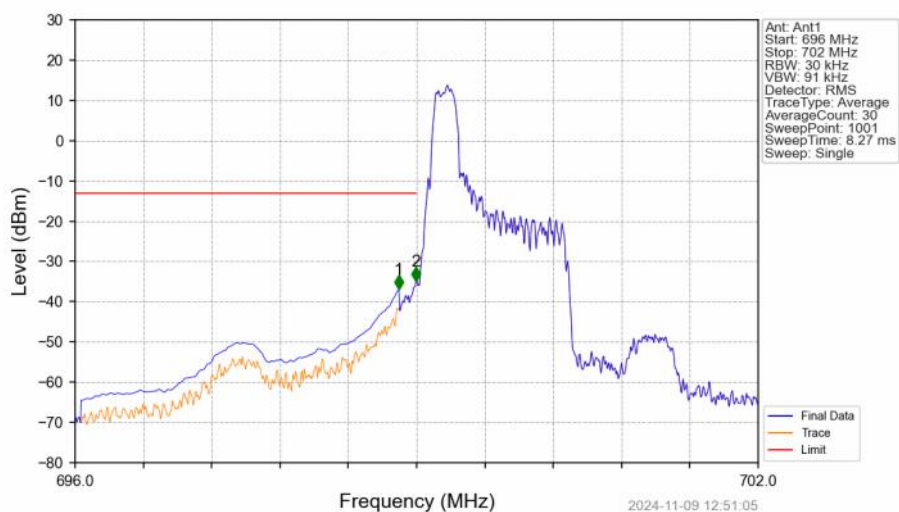
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-34.29	-13	Pass
716.1	719	0.1	CHP	2	716.156	-35.17	-13	Pass

Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



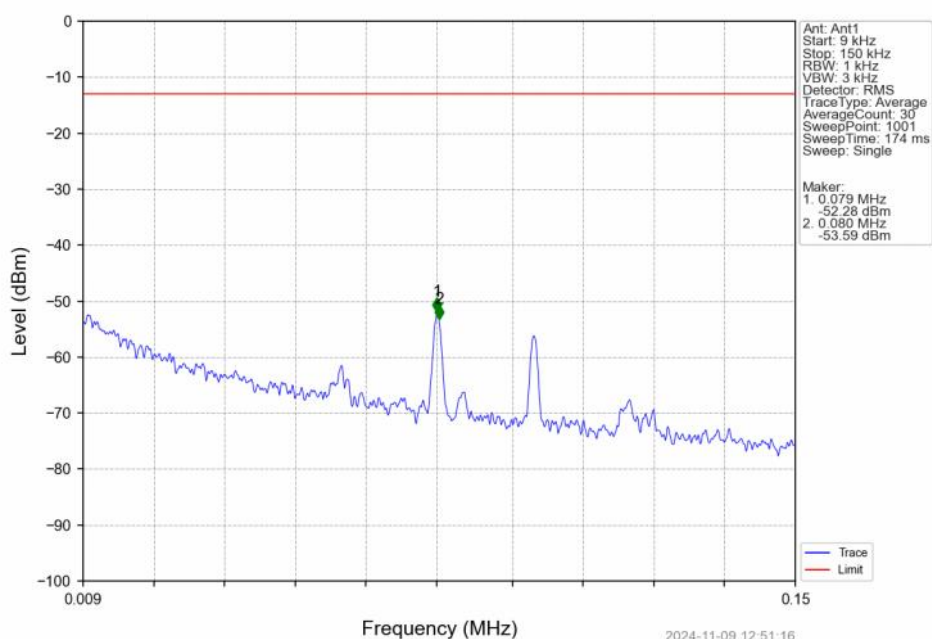
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.054	-40.16	-13	Pass
716.1	719	0.1	CHP	2	716.156	-37.88	-13	Pass

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

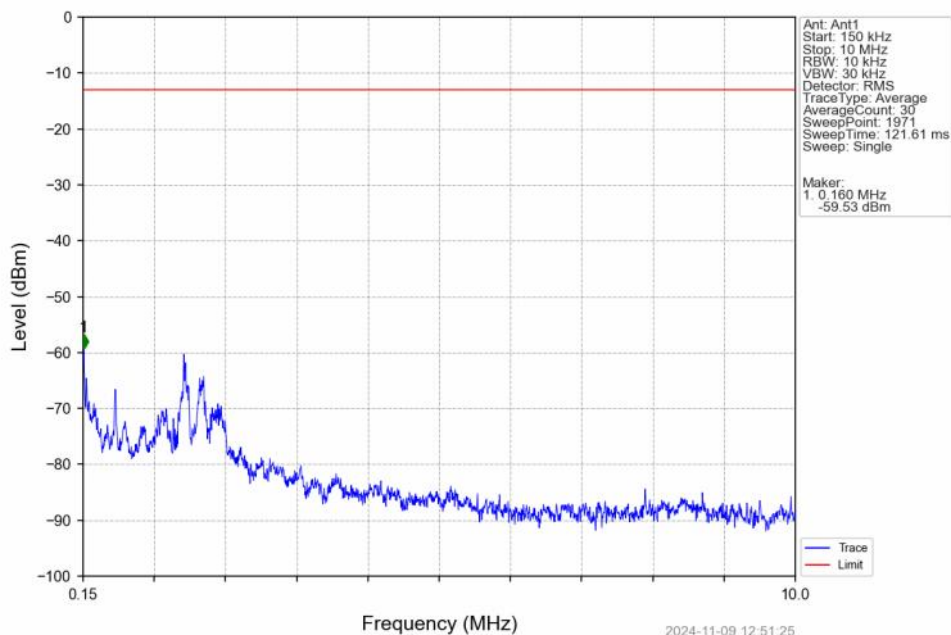


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-36.77	-13	Pass
698.9	699	0.03	/	2	698.994	-34.91	-13	Pass
699	702	0.03	/	/	/	/	/	/

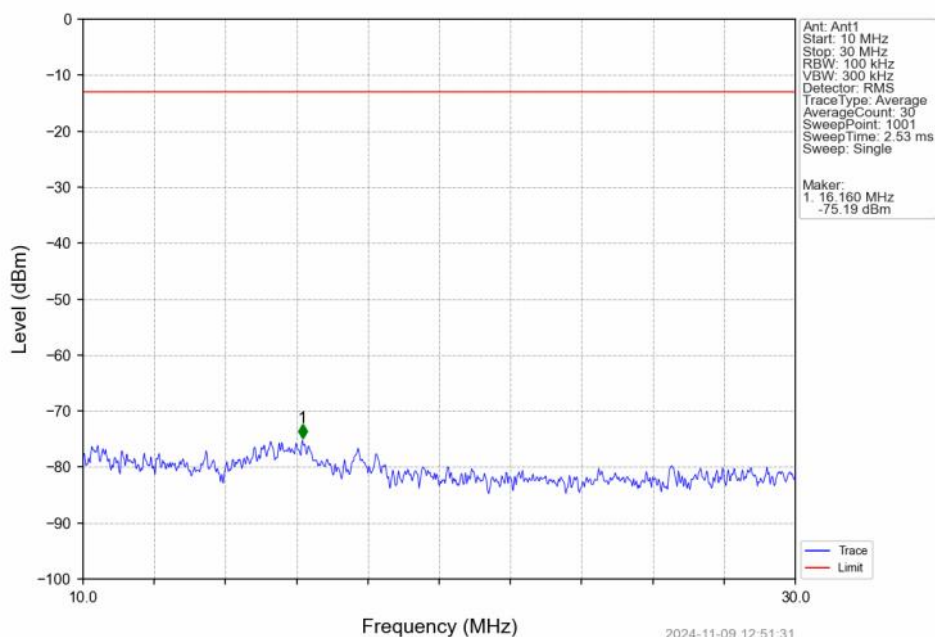
Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTNV



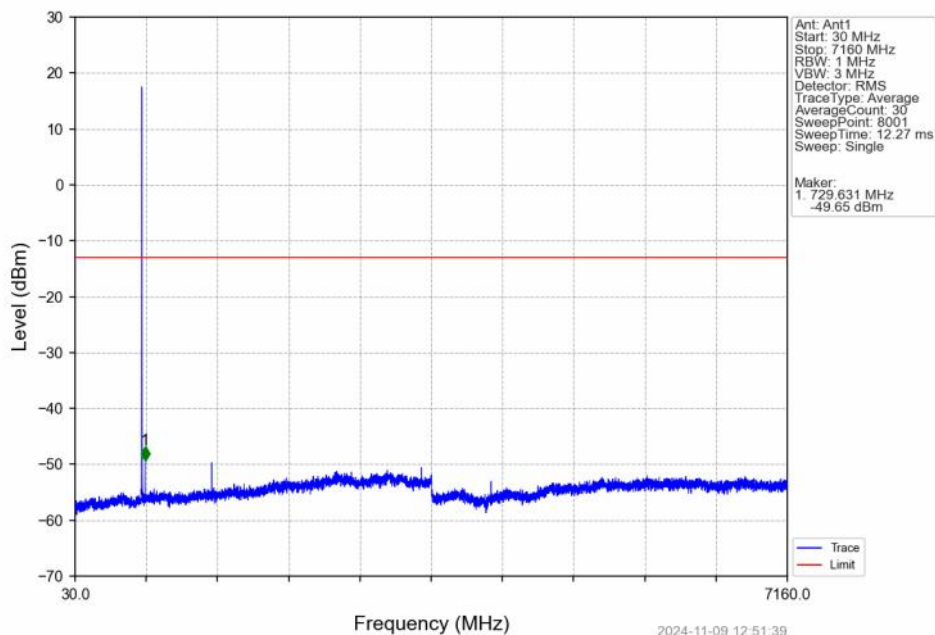
Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTNV



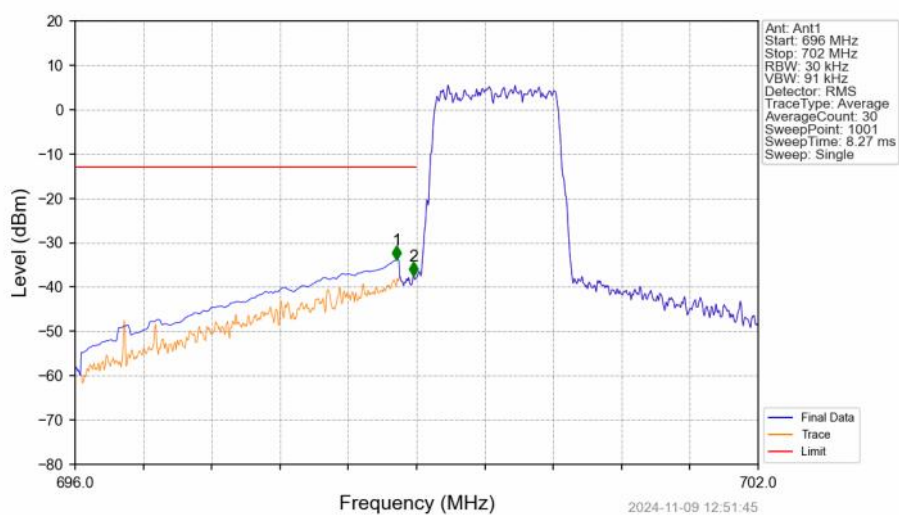
Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTNV



Band12 1.4MHz 16QAM LCH 699.7MHz RB 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	698.826	-33.87	-13	Pass
698.9	699	0.03	/	2	698.970	-37.49	-13	Pass
699	702	0.03	/	/	/	/	/	/