1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	20.41	-0.09	20.32	<=30	Pass
			2	20.47	-0.09	20.38	<=30	Pass
			5	20.37	-0.09	20.28	<=30	Pass
		3	0	20.37	-0.09	20.28	<=30	Pass
			2	20.39	-0.09	20.30	<=30	Pass
			3	20.36	-0.09	20.27	<=30	Pass
		6	0	19.33	-0.09	19.24	<=30	Pass
	1732.5	1	0	20.58	-0.09	20.49	<=30	Pass
			2	20.73	-0.09	20.64	<=30	Pass
			5	20.76	-0.09	20.67	<=30	Pass
		3	0	20.64	-0.09	20.55	<=30	Pass
			2	20.70	-0.09	20.61	<=30	Pass
			3	20.64	-0.09	20.55	<=30	Pass
		6	0	19.66	-0.09	19.57	<=30	Pass
	1754.3	1	0	20.80	-0.09	20.71	<=30	Pass
			2	20.84	-0.09	20.75	<=30	Pass
			5	20.85	-0.09	20.76	<=30	Pass
		3	0	20.85	-0.09	20.76	<=30	Pass
			2	20.81	-0.09	20.72	<=30	Pass
			3	20.81	-0.09	20.72	<=30	Pass
		6	0	19.80	-0.09	19.71	<=30	Pass
16QAM	1710.7	1	0	19.43	-0.09	19.34	<=30	Pass
			2	19.44	-0.09	19.35	<=30	Pass
			5	19.49	-0.09	19.40	<=30	Pass
		3	0	19.34	-0.09	19.25	<=30	Pass
			2	19.40	-0.09	19.31	<=30	Pass
			3	19.36	-0.09	19.27	<=30	Pass
		6	0	18.58	-0.09	18.49	<=30	Pass
	1732.5	1	0	20.40	-0.09	20.31	<=30	Pass
			2	20.43	-0.09	20.34	<=30	Pass
			5	20.43	-0.09	20.34	<=30	Pass
		3	0	19.93	-0.09	19.84	<=30	Pass
			2	19.92	-0.09	19.83	<=30	Pass
			3	19.96	-0.09	19.87	<=30	Pass
		6	0	19.00	-0.09	18.91	<=30	Pass
	1754.3	1	0	20.76	-0.09	20.67	<=30	Pass
			2	20.79	-0.09	20.70	<=30	Pass
			5	20.72	-0.09	20.63	<=30	Pass
		3	0	19.62	-0.09	19.53	<=30	Pass
			2	19.60	-0.09	19.51	<=30	Pass
			3	19.63	-0.09	19.54	<=30	Pass
		6	0	19.00	-0.09	18.91	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	20.19	-0.09	20.10	<=30	Pass
			7	20.24	-0.09	20.15	<=30	Pass
			14	20.29	-0.09	20.20	<=30	Pass
		8	0	19.27	-0.09	19.18	<=30	Pass
			4	19.42	-0.09	19.33	<=30	Pass
			7	19.38	-0.09	19.29	<=30	Pass
		15	0	19.30	-0.09	19.21	<=30	Pass
	1732.5	1	0	20.49	-0.09	20.40	<=30	Pass
			7	20.57	-0.09	20.48	<=30	Pass
			14	20.57	-0.09	20.48	<=30	Pass
		8	0	19.60	-0.09	19.51	<=30	Pass
			4	19.67	-0.09	19.58	<=30	Pass
			7	19.64	-0.09	19.55	<=30	Pass
		15	0	19.60	-0.09	19.51	<=30	Pass
	1753.5	1	0	20.70	-0.09	20.61	<=30	Pass
			7	20.72	-0.09	20.63	<=30	Pass
			14	20.78	-0.09	20.69	<=30	Pass
		8	0	19.85	-0.09	19.76	<=30	Pass
			4	19.91	-0.09	19.82	<=30	Pass
			7	19.87	-0.09	19.78	<=30	Pass
		15	0	19.85	-0.09	19.76	<=30	Pass
16QAM	1711.5	1	0	20.12	-0.09	20.03	<=30	Pass
			7	20.13	-0.09	20.04	<=30	Pass
			14	20.20	-0.09	20.11	<=30	Pass
		8	0	18.69	-0.09	18.60	<=30	Pass
			4	18.69	-0.09	18.60	<=30	Pass
			7	18.79	-0.09	18.70	<=30	Pass
		15	0	18.62	-0.09	18.53	<=30	Pass
	1732.5	1	0	19.92	-0.09	19.83	<=30	Pass
			7	19.95	-0.09	19.86	<=30	Pass
			14	19.94	-0.09	19.85	<=30	Pass
		8	0	18.92	-0.09	18.83	<=30	Pass
			4	18.99	-0.09	18.90	<=30	Pass
			7	18.97	-0.09	18.88	<=30	Pass
		15	0	18.78	-0.09	18.69	<=30	Pass
	1753.5	1	0	21.10	-0.09	21.01	<=30	Pass
			7	21.16	-0.09	21.07	<=30	Pass
			14	21.17	-0.09	21.08	<=30	Pass
		8	0	19.09	-0.09	19.00	<=30	Pass
			4	19.17	-0.09	19.08	<=30	Pass
			7	19.15	-0.09	19.06	<=30	Pass
		15	0	19.16	-0.09	19.07	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	20.21	-0.09	20.12	<=30	Pass
			13	20.33	-0.09	20.24	<=30	Pass
			24	20.33	-0.09	20.24	<=30	Pass
		12	0	19.29	-0.09	19.20	<=30	Pass
			6	19.37	-0.09	19.28	<=30	Pass
			13	19.39	-0.09	19.30	<=30	Pass

		25	0	19.29	-0.09	19.20	<=30	Pass
	1732.5	1	0	20.40	-0.09	20.31	<=30	Pass
			13	20.44	-0.09	20.35	<=30	Pass
			24	20.47	-0.09	20.38	<=30	Pass
		12	0	19.60	-0.09	19.51	<=30	Pass
			6	19.55	-0.09	19.46	<=30	Pass
			13	19.68	-0.09	19.59	<=30	Pass
		25	0	19.66	-0.09	19.57	<=30	Pass
	1752.5	1	0	20.70	-0.09	20.61	<=30	Pass
			13	20.71	-0.09	20.62	<=30	Pass
			24	20.77	-0.09	20.68	<=30	Pass
		12	0	19.76	-0.09	19.67	<=30	Pass
			6	19.79	-0.09	19.70	<=30	Pass
			13	19.82	-0.09	19.73	<=30	Pass
		25	0	19.80	-0.09	19.71	<=30	Pass
16QAM	1712.5	1	0	19.07	-0.09	18.98	<=30	Pass
			13	19.13	-0.09	19.04	<=30	Pass
			24	19.14	-0.09	19.05	<=30	Pass
		12	0	18.49	-0.09	18.40	<=30	Pass
			6	18.54	-0.09	18.45	<=30	Pass
			13	18.48	-0.09	18.39	<=30	Pass
		25	0	18.55	-0.09	18.46	<=30	Pass
	1732.5	1	0	20.21	-0.09	20.12	<=30	Pass
			13	20.26	-0.09	20.17	<=30	Pass
			24	20.26	-0.09	20.17	<=30	Pass
		12	0	18.75	-0.09	18.66	<=30	Pass
			6	18.81	-0.09	18.72	<=30	Pass
			13	18.73	-0.09	18.64	<=30	Pass
		25	0	18.85	-0.09	18.76	<=30	Pass
	1752.5	1	0	20.31	-0.09	20.22	<=30	Pass
			13	20.35	-0.09	20.26	<=30	Pass
			24	20.36	-0.09	20.27	<=30	Pass
		12	0	18.94	-0.09	18.85	<=30	Pass
			6	18.92	-0.09	18.83	<=30	Pass
			13	19.05	-0.09	18.96	<=30	Pass
		25	0	18.95	-0.09	18.86	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	20.31	-0.09	20.22	<=30	Pass
			25	20.35	-0.09	20.26	<=30	Pass
			49	20.43	-0.09	20.34	<=30	Pass
		25	0	19.40	-0.09	19.31	<=30	Pass
			13	19.49	-0.09	19.40	<=30	Pass
			25	19.50	-0.09	19.41	<=30	Pass
		50	0	19.49	-0.09	19.40	<=30	Pass
	1732.5	1	0	20.48	-0.09	20.39	<=30	Pass
			25	20.66	-0.09	20.57	<=30	Pass
			49	20.68	-0.09	20.59	<=30	Pass
		25	0	19.48	-0.09	19.39	<=30	Pass
			13	19.58	-0.09	19.49	<=30	Pass
			25	19.71	-0.09	19.62	<=30	Pass
		50	0	19.64	-0.09	19.55	<=30	Pass

	1750	1	0	20.79	-0.09	20.70	<=30	Pass
			25	20.91	-0.09	20.82	<=30	Pass
			49	20.88	-0.09	20.79	<=30	Pass
		25	0	19.80	-0.09	19.71	<=30	Pass
			13	19.81	-0.09	19.72	<=30	Pass
			25	19.76	-0.09	19.67	<=30	Pass
		50	0	19.92	-0.09	19.83	<=30	Pass
16QAM	1715	1	0	20.40	-0.09	20.31	<=30	Pass
			25	20.46	-0.09	20.37	<=30	Pass
			49	20.47	-0.09	20.38	<=30	Pass
		25	0	18.61	-0.09	18.52	<=30	Pass
			13	18.61	-0.09	18.52	<=30	Pass
			25	18.64	-0.09	18.55	<=30	Pass
		50	0	18.58	-0.09	18.49	<=30	Pass
	1732.5	1	0	19.59	-0.09	19.50	<=30	Pass
			25	19.66	-0.09	19.57	<=30	Pass
			49	19.71	-0.09	19.62	<=30	Pass
		25	0	18.84	-0.09	18.75	<=30	Pass
			13	18.86	-0.09	18.77	<=30	Pass
			25	18.90	-0.09	18.81	<=30	Pass
		50	0	18.78	-0.09	18.69	<=30	Pass
	1750	1	0	20.91	-0.09	20.82	<=30	Pass
			25	20.98	-0.09	20.89	<=30	Pass
			49	20.89	-0.09	20.80	<=30	Pass
		25	0	18.98	-0.09	18.89	<=30	Pass
			13	19.07	-0.09	18.98	<=30	Pass
			25	18.99	-0.09	18.90	<=30	Pass
		50	0	19.04	-0.09	18.95	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	20.33	-0.09	20.24	<=30	Pass
			38	20.38	-0.09	20.29	<=30	Pass
			74	20.49	-0.09	20.40	<=30	Pass
		36	0	19.41	-0.09	19.32	<=30	Pass
			18	19.35	-0.09	19.26	<=30	Pass
			39	19.42	-0.09	19.33	<=30	Pass
		75	0	19.41	-0.09	19.32	<=30	Pass
	1732.5	1	0	20.28	-0.09	20.19	<=30	Pass
			38	20.39	-0.09	20.30	<=30	Pass
			74	20.43	-0.09	20.34	<=30	Pass
		36	0	19.49	-0.09	19.40	<=30	Pass
			18	19.53	-0.09	19.44	<=30	Pass
			39	19.70	-0.09	19.61	<=30	Pass
		75	0	19.57	-0.09	19.48	<=30	Pass
	1747.5	1	0	20.71	-0.09	20.62	<=30	Pass
			38	20.83	-0.09	20.74	<=30	Pass
			74	20.84	-0.09	20.75	<=30	Pass
		36	0	19.71	-0.09	19.62	<=30	Pass
			18	19.78	-0.09	19.69	<=30	Pass
			39	19.77	-0.09	19.68	<=30	Pass
		75	0	19.73	-0.09	19.64	<=30	Pass
16QAM	1717.5	1	0	20.42	-0.09	20.33	<=30	Pass

			38	20.53	-0.09	20.44	<=30	Pass
			74	20.53	-0.09	20.44	<=30	Pass
		36	0	18.57	-0.09	18.48	<=30	Pass
			18	18.66	-0.09	18.57	<=30	Pass
			39	18.63	-0.09	18.54	<=30	Pass
		75	0	18.63	-0.09	18.54	<=30	Pass
	1732.5	1	0	20.17	-0.09	20.08	<=30	Pass
			38	20.34	-0.09	20.25	<=30	Pass
			74	20.43	-0.09	20.34	<=30	Pass
		36	0	18.81	-0.09	18.72	<=30	Pass
			18	18.75	-0.09	18.66	<=30	Pass
			39	18.80	-0.09	18.71	<=30	Pass
		75	0	18.76	-0.09	18.67	<=30	Pass
	1747.5	1	0	20.84	-0.09	20.75	<=30	Pass
			38	20.92	-0.09	20.83	<=30	Pass
			74	20.98	-0.09	20.89	<=30	Pass
		36	0	18.94	-0.09	18.85	<=30	Pass
			18	19.06	-0.09	18.97	<=30	Pass
			39	19.03	-0.09	18.94	<=30	Pass
		75	0	19.01	-0.09	18.92	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	20.35	-0.09	20.26	<=30	Pass
			50	20.44	-0.09	20.35	<=30	Pass
			99	20.56	-0.09	20.47	<=30	Pass
		50	0	19.45	-0.09	19.36	<=30	Pass
			25	19.39	-0.09	19.30	<=30	Pass
			50	19.57	-0.09	19.48	<=30	Pass
		100	0	19.47	-0.09	19.38	<=30	Pass
	1732.5	1	0	20.53	-0.09	20.44	<=30	Pass
			50	20.70	-0.09	20.61	<=30	Pass
			99	20.72	-0.09	20.63	<=30	Pass
		50	0	19.45	-0.09	19.36	<=30	Pass
			25	19.52	-0.09	19.43	<=30	Pass
			50	19.66	-0.09	19.57	<=30	Pass
		100	0	19.65	-0.09	19.56	<=30	Pass
	1745	1	0	20.66	-0.09	20.57	<=30	Pass
			50	20.79	-0.09	20.70	<=30	Pass
			99	20.88	-0.09	20.79	<=30	Pass
		50	0	19.72	-0.09	19.63	<=30	Pass
			25	19.77	-0.09	19.68	<=30	Pass
			50	19.89	-0.09	19.80	<=30	Pass
		100	0	19.82	-0.09	19.73	<=30	Pass
16QAM	1720	1	0	20.08	-0.09	19.99	<=30	Pass
			50	20.18	-0.09	20.09	<=30	Pass
			99	20.18	-0.09	20.09	<=30	Pass
		50	0	18.63	-0.09	18.54	<=30	Pass
			25	18.66	-0.09	18.57	<=30	Pass
			50	18.70	-0.09	18.61	<=30	Pass
		100	0	18.63	-0.09	18.54	<=30	Pass
	1732.5	1	0	20.86	-0.09	20.77	<=30	Pass
			50	20.96	-0.09	20.87	<=30	Pass

			99	21.00	-0.09	20.91	<=30	Pass
		50	0	18.66	-0.09	18.57	<=30	Pass
			25	18.75	-0.09	18.66	<=30	Pass
			50	18.83	-0.09	18.74	<=30	Pass
		100	0	18.75	-0.09	18.66	<=30	Pass
	1745	1	0	20.72	-0.09	20.63	<=30	Pass
			50	20.82	-0.09	20.73	<=30	Pass
			99	20.92	-0.09	20.83	<=30	Pass
		50	0	18.97	-0.09	18.88	<=30	Pass
			25	19.02	-0.09	18.93	<=30	Pass
			50	19.15	-0.09	19.06	<=30	Pass
		100	0	18.86	-0.09	18.77	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

Band: 4 / 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	1710.7	6	0	20	3.27	-4.978	-0.0029	-2.5 to 2.5	Pass
					3.85	-18.725	-0.0109	-2.5 to 2.5	Pass
					4.43	-15.121	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-5.264	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	13.261	0.0078	-2.5 to 2.5	Pass
				-10	3.85	34.103	0.0199	-2.5 to 2.5	Pass
				0	3.85	20.013	0.0117	-2.5 to 2.5	Pass
				10	3.85	35.262	0.0206	-2.5 to 2.5	Pass
				30	3.85	0.429	0.0003	-2.5 to 2.5	Pass
				40	3.85	16.236	0.0095	-2.5 to 2.5	Pass
				50	3.85	30.484	0.0178	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	9.155	0.0053	-2.5 to 2.5	Pass
					3.85	-17.767	-0.0103	-2.5 to 2.5	Pass
					4.43	-22.602	-0.0130	-2.5 to 2.5	Pass
				-30	3.85	-18.039	-0.0104	-2.5 to 2.5	Pass
				-20	3.85	-11.244	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				0	3.85	8.712	0.0050	-2.5 to 2.5	Pass
				10	3.85	7.482	0.0043	-2.5 to 2.5	Pass
				30	3.85	19.012	0.0110	-2.5 to 2.5	Pass
				40	3.85	28.253	0.0163	-2.5 to 2.5	Pass
				50	3.85	35.663	0.0206	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	7.768	0.0044	-2.5 to 2.5	Pass
					3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
					4.43	-8.454	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-5.980	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-7.668	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-4.077	-0.0023	-2.5 to 2.5	Pass
				10	3.85	15.678	0.0089	-2.5 to 2.5	Pass
				30	3.85	12.302	0.0070	-2.5 to 2.5	Pass
				40	3.85	13.633	0.0078	-2.5 to 2.5	Pass
				50	3.85	25.778	0.0147	-2.5 to 2.5	Pass

16QAM	1710.7	6	0	20	3.27	21.629	0.0126	-2.5 to 2.5	Pass
					3.85	38.853	0.0227	-2.5 to 2.5	Pass
					4.43	14.148	0.0083	-2.5 to 2.5	Pass
				-30	3.85	14.749	0.0086	-2.5 to 2.5	Pass
				-20	3.85	14.820	0.0087	-2.5 to 2.5	Pass
				-10	3.85	22.001	0.0129	-2.5 to 2.5	Pass
				0	3.85	21.114	0.0123	-2.5 to 2.5	Pass
				10	3.85	25.105	0.0147	-2.5 to 2.5	Pass
				30	3.85	31.900	0.0186	-2.5 to 2.5	Pass
				40	3.85	9.441	0.0055	-2.5 to 2.5	Pass
				50	3.85	22.016	0.0129	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	3.591	0.0021	-2.5 to 2.5	Pass
					3.85	5.264	0.0030	-2.5 to 2.5	Pass
					4.43	-1.459	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-11.187	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-22.488	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-34.761	-0.0201	-2.5 to 2.5	Pass
				10	3.85	-34.046	-0.0197	-2.5 to 2.5	Pass
				30	3.85	-36.335	-0.0210	-2.5 to 2.5	Pass
				40	3.85	-31.443	-0.0181	-2.5 to 2.5	Pass
				50	3.85	-3.576	-0.0021	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	3.204	0.0018	-2.5 to 2.5	Pass
					3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
					4.43	-8.898	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-12.431	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-5.622	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-8.154	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				30	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				40	3.85	-6.380	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-16.694	-0.0095	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-13.704	-0.0080	-2.5 to 2.5	Pass
					3.85	-12.589	-0.0074	-2.5 to 2.5	Pass
					4.43	8.025	0.0047	-2.5 to 2.5	Pass
				-30	3.85	24.033	0.0140	-2.5 to 2.5	Pass
				-20	3.85	11.373	0.0066	-2.5 to 2.5	Pass
				-10	3.85	26.736	0.0156	-2.5 to 2.5	Pass
				0	3.85	8.698	0.0051	-2.5 to 2.5	Pass
				10	3.85	29.926	0.0175	-2.5 to 2.5	Pass
				30	3.85	13.261	0.0077	-2.5 to 2.5	Pass
				40	3.85	34.175	0.0200	-2.5 to 2.5	Pass
				50	3.85	31.385	0.0183	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-1.287	-0.0007	-2.5 to 2.5	Pass
					3.85	-21.071	-0.0122	-2.5 to 2.5	Pass
					4.43	-26.765	-0.0154	-2.5 to 2.5	Pass
				-30	3.85	-16.437	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	12.660	0.0073	-2.5 to 2.5	Pass
				0	3.85	17.838	0.0103	-2.5 to 2.5	Pass

				10	3.85	15.392	0.0089	-2.5 to 2.5	Pass
				30	3.85	14.691	0.0085	-2.5 to 2.5	Pass
				40	3.85	20.685	0.0119	-2.5 to 2.5	Pass
				50	3.85	19.512	0.0113	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-4.048	-0.0023	-2.5 to 2.5	Pass
					3.85	-18.768	-0.0107	-2.5 to 2.5	Pass
					4.43	-30.155	-0.0172	-2.5 to 2.5	Pass
				-30	3.85	-24.204	-0.0138	-2.5 to 2.5	Pass
				-20	3.85	-22.831	-0.0130	-2.5 to 2.5	Pass
				-10	3.85	-14.091	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-12.388	-0.0071	-2.5 to 2.5	Pass
				10	3.85	26.865	0.0153	-2.5 to 2.5	Pass
				30	3.85	13.103	0.0075	-2.5 to 2.5	Pass
				40	3.85	29.168	0.0166	-2.5 to 2.5	Pass
				50	3.85	-9.170	-0.0052	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	16.737	0.0098	-2.5 to 2.5	Pass
					3.85	36.950	0.0216	-2.5 to 2.5	Pass
					4.43	10.958	0.0064	-2.5 to 2.5	Pass
				-30	3.85	16.522	0.0097	-2.5 to 2.5	Pass
				-20	3.85	26.693	0.0156	-2.5 to 2.5	Pass
				-10	3.85	30.212	0.0177	-2.5 to 2.5	Pass
				0	3.85	27.094	0.0158	-2.5 to 2.5	Pass
				10	3.85	30.813	0.0180	-2.5 to 2.5	Pass
				30	3.85	31.271	0.0183	-2.5 to 2.5	Pass
				40	3.85	31.786	0.0186	-2.5 to 2.5	Pass
				50	3.85	30.670	0.0179	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	25.992	0.0150	-2.5 to 2.5	Pass
					3.85	-6.008	-0.0035	-2.5 to 2.5	Pass
					4.43	-11.401	-0.0066	-2.5 to 2.5	Pass
				-30	3.85	-7.539	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-16.923	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	-19.426	-0.0112	-2.5 to 2.5	Pass
				0	3.85	-27.294	-0.0158	-2.5 to 2.5	Pass
				10	3.85	-35.934	-0.0207	-2.5 to 2.5	Pass
				30	3.85	-26.536	-0.0153	-2.5 to 2.5	Pass
				40	3.85	-20.614	-0.0119	-2.5 to 2.5	Pass
				50	3.85	-24.834	-0.0143	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	6.709	0.0038	-2.5 to 2.5	Pass
					3.85	6.695	0.0038	-2.5 to 2.5	Pass
					4.43	-2.561	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-15.721	-0.0090	-2.5 to 2.5	Pass
				-20	3.85	-16.108	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-28.310	-0.0161	-2.5 to 2.5	Pass
				0	3.85	-35.291	-0.0201	-2.5 to 2.5	Pass
				10	3.85	-41.285	-0.0235	-2.5 to 2.5	Pass
				30	3.85	3.190	0.0018	-2.5 to 2.5	Pass
				40	3.85	-8.826	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-8.597	-0.0049	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	8.841	0.0052	-2.5 to 2.5	Pass
					3.85	-4.392	-0.0026	-2.5 to 2.5	Pass
					4.43	-20.070	-0.0117	-2.5 to 2.5	Pass

				-30	3.85	-36.521	-0.0213	-2.5 to 2.5	Pass
				-20	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				0	3.85	1.988	0.0012	-2.5 to 2.5	Pass
				10	3.85	30.584	0.0179	-2.5 to 2.5	Pass
				30	3.85	12.517	0.0073	-2.5 to 2.5	Pass
				40	3.85	28.524	0.0167	-2.5 to 2.5	Pass
				50	3.85	41.571	0.0243	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	22.817	0.0132	-2.5 to 2.5	Pass
					3.85	22.645	0.0131	-2.5 to 2.5	Pass
					4.43	9.856	0.0057	-2.5 to 2.5	Pass
				-30	3.85	14.262	0.0082	-2.5 to 2.5	Pass
				-20	3.85	21.129	0.0122	-2.5 to 2.5	Pass
				-10	3.85	21.286	0.0123	-2.5 to 2.5	Pass
				0	3.85	20.671	0.0119	-2.5 to 2.5	Pass
				10	3.85	23.360	0.0135	-2.5 to 2.5	Pass
				30	3.85	40.054	0.0231	-2.5 to 2.5	Pass
				40	3.85	49.052	0.0283	-2.5 to 2.5	Pass
				50	3.85	12.288	0.0071	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	0.815	0.0005	-2.5 to 2.5	Pass
					3.85	-12.431	-0.0071	-2.5 to 2.5	Pass
					4.43	-17.424	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-9.727	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	17.095	0.0098	-2.5 to 2.5	Pass
				-10	3.85	17.366	0.0099	-2.5 to 2.5	Pass
				0	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-7.238	-0.0041	-2.5 to 2.5	Pass
				30	3.85	2.618	0.0015	-2.5 to 2.5	Pass
				40	3.85	11.687	0.0067	-2.5 to 2.5	Pass
				50	3.85	26.979	0.0154	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	19.913	0.0116	-2.5 to 2.5	Pass
					3.85	4.106	0.0024	-2.5 to 2.5	Pass
					4.43	28.939	0.0169	-2.5 to 2.5	Pass
				-30	3.85	13.247	0.0077	-2.5 to 2.5	Pass
				-20	3.85	20.041	0.0117	-2.5 to 2.5	Pass
				-10	3.85	35.834	0.0209	-2.5 to 2.5	Pass
				0	3.85	20.370	0.0119	-2.5 to 2.5	Pass
				10	3.85	32.458	0.0190	-2.5 to 2.5	Pass
				30	3.85	15.450	0.0090	-2.5 to 2.5	Pass
				40	3.85	33.131	0.0193	-2.5 to 2.5	Pass
				50	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	21.987	0.0127	-2.5 to 2.5	Pass
					3.85	-13.404	-0.0077	-2.5 to 2.5	Pass
					4.43	-13.762	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	3.777	0.0022	-2.5 to 2.5	Pass
				-10	3.85	6.495	0.0037	-2.5 to 2.5	Pass
				0	3.85	12.317	0.0071	-2.5 to 2.5	Pass
				10	3.85	11.501	0.0066	-2.5 to 2.5	Pass
				30	3.85	14.677	0.0085	-2.5 to 2.5	Pass
				40	3.85	15.993	0.0092	-2.5 to 2.5	Pass
				50	3.85	20.671	0.0119	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	22.559	0.0129	-2.5 to 2.5	Pass
					3.85	28.267	0.0161	-2.5 to 2.5	Pass
					4.43	38.695	0.0221	-2.5 to 2.5	Pass
				-30	3.85	41.027	0.0234	-2.5 to 2.5	Pass
				-20	3.85	17.738	0.0101	-2.5 to 2.5	Pass
				-10	3.85	24.719	0.0141	-2.5 to 2.5	Pass
				0	3.85	33.875	0.0193	-2.5 to 2.5	Pass

				10	3.85	17.910	0.0102	-2.5 to 2.5	Pass
				30	3.85	28.410	0.0162	-2.5 to 2.5	Pass
				40	3.85	7.296	0.0042	-2.5 to 2.5	Pass
				50	3.85	15.635	0.0089	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-26.007	-0.0152	-2.5 to 2.5	Pass
					3.85	-4.377	-0.0026	-2.5 to 2.5	Pass
					4.43	27.895	0.0163	-2.5 to 2.5	Pass
				-30	3.85	31.013	0.0181	-2.5 to 2.5	Pass
				-20	3.85	24.419	0.0142	-2.5 to 2.5	Pass
				-10	3.85	-8.554	-0.0050	-2.5 to 2.5	Pass
				0	3.85	33.989	0.0198	-2.5 to 2.5	Pass
				10	3.85	-18.854	-0.0110	-2.5 to 2.5	Pass
				30	3.85	-28.367	-0.0165	-2.5 to 2.5	Pass
				40	3.85	-8.068	-0.0047	-2.5 to 2.5	Pass
				50	3.85	0.257	0.0001	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-11.230	-0.0065	-2.5 to 2.5	Pass
					3.85	-40.669	-0.0235	-2.5 to 2.5	Pass
					4.43	-33.932	-0.0196	-2.5 to 2.5	Pass
				-30	3.85	-43.273	-0.0250	-2.5 to 2.5	Pass
				-20	3.85	-35.062	-0.0202	-2.5 to 2.5	Pass
				-10	3.85	-4.206	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-19.569	-0.0113	-2.5 to 2.5	Pass
				10	3.85	-18.382	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-10.357	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-8.283	-0.0048	-2.5 to 2.5	Pass
				50	3.85	5.593	0.0032	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-3.920	-0.0022	-2.5 to 2.5	Pass
					3.85	-11.859	-0.0068	-2.5 to 2.5	Pass
					4.43	-6.409	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-9.198	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-6.437	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				0	3.85	7.510	0.0043	-2.5 to 2.5	Pass
				10	3.85	26.078	0.0149	-2.5 to 2.5	Pass
				30	3.85	25.177	0.0144	-2.5 to 2.5	Pass
				40	3.85	17.681	0.0101	-2.5 to 2.5	Pass
				50	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-13.647	-0.0080	-2.5 to 2.5	Pass
					3.85	-28.625	-0.0167	-2.5 to 2.5	Pass
					4.43	-15.421	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-14.548	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-28.853	-0.0168	-2.5 to 2.5	Pass
				-10	3.85	-38.767	-0.0226	-2.5 to 2.5	Pass
				0	3.85	-36.435	-0.0212	-2.5 to 2.5	Pass
				10	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-13.661	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-32.616	-0.0190	-2.5 to 2.5	Pass
				50	3.85	-19.140	-0.0112	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	10.471	0.0060	-2.5 to 2.5	Pass
					3.85	6.495	0.0037	-2.5 to 2.5	Pass
					4.43	-8.440	-0.0049	-2.5 to 2.5	Pass

				-30	3.85	-30.684	-0.0177	-2.5 to 2.5	Pass
				-20	3.85	-40.541	-0.0234	-2.5 to 2.5	Pass
				-10	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-7.811	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-13.504	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-27.194	-0.0157	-2.5 to 2.5	Pass
				40	3.85	5.808	0.0034	-2.5 to 2.5	Pass
				50	3.85	9.542	0.0055	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	4.263	0.0024	-2.5 to 2.5	Pass
					3.85	3.233	0.0018	-2.5 to 2.5	Pass
					4.43	-15.206	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	-30.499	-0.0174	-2.5 to 2.5	Pass
				-20	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-8.583	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-12.589	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-22.774	-0.0130	-2.5 to 2.5	Pass
				40	3.85	-29.125	-0.0166	-2.5 to 2.5	Pass
				50	3.85	-36.049	-0.0206	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	12.445	0.0072	-2.5 to 2.5	Pass
					3.85	-11.272	-0.0066	-2.5 to 2.5	Pass
					4.43	-6.452	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-20.714	-0.0121	-2.5 to 2.5	Pass
				-20	3.85	-12.975	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-8.554	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				10	3.85	12.603	0.0073	-2.5 to 2.5	Pass
				30	3.85	27.866	0.0162	-2.5 to 2.5	Pass
				40	3.85	39.082	0.0228	-2.5 to 2.5	Pass
				50	3.85	11.730	0.0068	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-3.190	-0.0018	-2.5 to 2.5	Pass
					3.85	-19.355	-0.0112	-2.5 to 2.5	Pass
					4.43	-15.020	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	-7.997	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	5.851	0.0034	-2.5 to 2.5	Pass
				-10	3.85	30.255	0.0175	-2.5 to 2.5	Pass
				0	3.85	34.504	0.0199	-2.5 to 2.5	Pass
				10	3.85	33.131	0.0191	-2.5 to 2.5	Pass
				30	3.85	8.326	0.0048	-2.5 to 2.5	Pass
				40	3.85	23.732	0.0137	-2.5 to 2.5	Pass
				50	3.85	27.180	0.0157	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	1.044	0.0006	-2.5 to 2.5	Pass
					3.85	-16.537	-0.0095	-2.5 to 2.5	Pass
					4.43	-16.007	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	-20.742	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-14.691	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-26.879	-0.0154	-2.5 to 2.5	Pass
				0	3.85	-23.847	-0.0136	-2.5 to 2.5	Pass
				10	3.85	-33.331	-0.0191	-2.5 to 2.5	Pass
				30	3.85	-18.783	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-15.578	-0.0089	-2.5 to 2.5	Pass

				50	3.85	-14.606	-0.0084	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	26.279	0.0153	-2.5 to 2.5	Pass
					3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
					4.43	10.357	0.0060	-2.5 to 2.5	Pass
				-30	3.85	8.841	0.0051	-2.5 to 2.5	Pass
				-20	3.85	15.078	0.0088	-2.5 to 2.5	Pass
				-10	3.85	17.781	0.0104	-2.5 to 2.5	Pass
				0	3.85	24.834	0.0145	-2.5 to 2.5	Pass
				10	3.85	32.873	0.0191	-2.5 to 2.5	Pass
				30	3.85	10.185	0.0059	-2.5 to 2.5	Pass
				40	3.85	18.911	0.0110	-2.5 to 2.5	Pass
				50	3.85	19.069	0.0111	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	30.756	0.0178	-2.5 to 2.5	Pass
					3.85	21.644	0.0125	-2.5 to 2.5	Pass
					4.43	13.046	0.0075	-2.5 to 2.5	Pass
				-30	3.85	8.755	0.0051	-2.5 to 2.5	Pass
				-20	3.85	6.895	0.0040	-2.5 to 2.5	Pass
				-10	3.85	6.380	0.0037	-2.5 to 2.5	Pass
				0	3.85	-10.228	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
				30	3.85	2.503	0.0014	-2.5 to 2.5	Pass
				40	3.85	-5.593	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-21.586	-0.0125	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-17.066	-0.0098	-2.5 to 2.5	Pass
					3.85	-27.452	-0.0157	-2.5 to 2.5	Pass
					4.43	-30.856	-0.0177	-2.5 to 2.5	Pass
				-30	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-16.651	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-19.455	-0.0111	-2.5 to 2.5	Pass
				0	3.85	-24.433	-0.0140	-2.5 to 2.5	Pass
				10	3.85	-26.493	-0.0152	-2.5 to 2.5	Pass
				30	3.85	-23.603	-0.0135	-2.5 to 2.5	Pass
				40	3.85	-32.616	-0.0187	-2.5 to 2.5	Pass
				50	3.85	-35.892	-0.0205	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-3.519	-0.0020	-2.5 to 2.5	Pass
					3.85	6.695	0.0039	-2.5 to 2.5	Pass
					4.43	-8.655	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-28.782	-0.0167	-2.5 to 2.5	Pass
				-20	3.85	-8.297	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-10.300	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-8.783	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-10.543	-0.0061	-2.5 to 2.5	Pass
				30	3.85	1.702	0.0010	-2.5 to 2.5	Pass
				40	3.85	10.543	0.0061	-2.5 to 2.5	Pass
				50	3.85	29.454	0.0171	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	7.324	0.0042	-2.5 to 2.5	Pass
					3.85	0.644	0.0004	-2.5 to 2.5	Pass
					4.43	18.110	0.0105	-2.5 to 2.5	Pass
				-30	3.85	30.727	0.0177	-2.5 to 2.5	Pass
				-20	3.85	7.954	0.0046	-2.5 to 2.5	Pass
				-10	3.85	19.140	0.0110	-2.5 to 2.5	Pass

				0	3.85	21.272	0.0123	-2.5 to 2.5	Pass
				10	3.85	23.575	0.0136	-2.5 to 2.5	Pass
				30	3.85	12.546	0.0072	-2.5 to 2.5	Pass
				40	3.85	15.521	0.0090	-2.5 to 2.5	Pass
				50	3.85	27.051	0.0156	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	12.174	0.0070	-2.5 to 2.5	Pass
					3.85	-7.710	-0.0044	-2.5 to 2.5	Pass
					4.43	-3.147	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	4.420	0.0025	-2.5 to 2.5	Pass
				-20	3.85	-7.939	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-7.296	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-7.954	-0.0046	-2.5 to 2.5	Pass
				10	3.85	9.398	0.0054	-2.5 to 2.5	Pass
				30	3.85	12.159	0.0070	-2.5 to 2.5	Pass
				40	3.85	10.171	0.0058	-2.5 to 2.5	Pass
				50	3.85	13.390	0.0077	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	41.213	0.0240	-2.5 to 2.5	Pass
					3.85	19.913	0.0116	-2.5 to 2.5	Pass
					4.43	24.691	0.0144	-2.5 to 2.5	Pass
				-30	3.85	22.702	0.0132	-2.5 to 2.5	Pass
				-20	3.85	29.411	0.0171	-2.5 to 2.5	Pass
				-10	3.85	28.510	0.0166	-2.5 to 2.5	Pass
				0	3.85	25.835	0.0150	-2.5 to 2.5	Pass
				10	3.85	24.347	0.0142	-2.5 to 2.5	Pass
				30	3.85	31.872	0.0185	-2.5 to 2.5	Pass
				40	3.85	29.483	0.0171	-2.5 to 2.5	Pass
				50	3.85	21.186	0.0123	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	24.748	0.0143	-2.5 to 2.5	Pass
					3.85	20.270	0.0117	-2.5 to 2.5	Pass
					4.43	5.465	0.0032	-2.5 to 2.5	Pass
				-30	3.85	6.251	0.0036	-2.5 to 2.5	Pass
				-20	3.85	8.297	0.0048	-2.5 to 2.5	Pass
				-10	3.85	9.999	0.0058	-2.5 to 2.5	Pass
				0	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-16.236	-0.0094	-2.5 to 2.5	Pass
				30	3.85	-19.741	-0.0114	-2.5 to 2.5	Pass
				40	3.85	-21.300	-0.0123	-2.5 to 2.5	Pass
				50	3.85	-27.080	-0.0156	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	2.990	0.0017	-2.5 to 2.5	Pass
					3.85	1.574	0.0009	-2.5 to 2.5	Pass
					4.43	-3.719	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-14.133	-0.0081	-2.5 to 2.5	Pass
				0	3.85	-21.415	-0.0123	-2.5 to 2.5	Pass
				10	3.85	-31.600	-0.0181	-2.5 to 2.5	Pass
				30	3.85	-32.501	-0.0186	-2.5 to 2.5	Pass
				40	3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
				50	3.85	15.178	0.0087	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

3.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

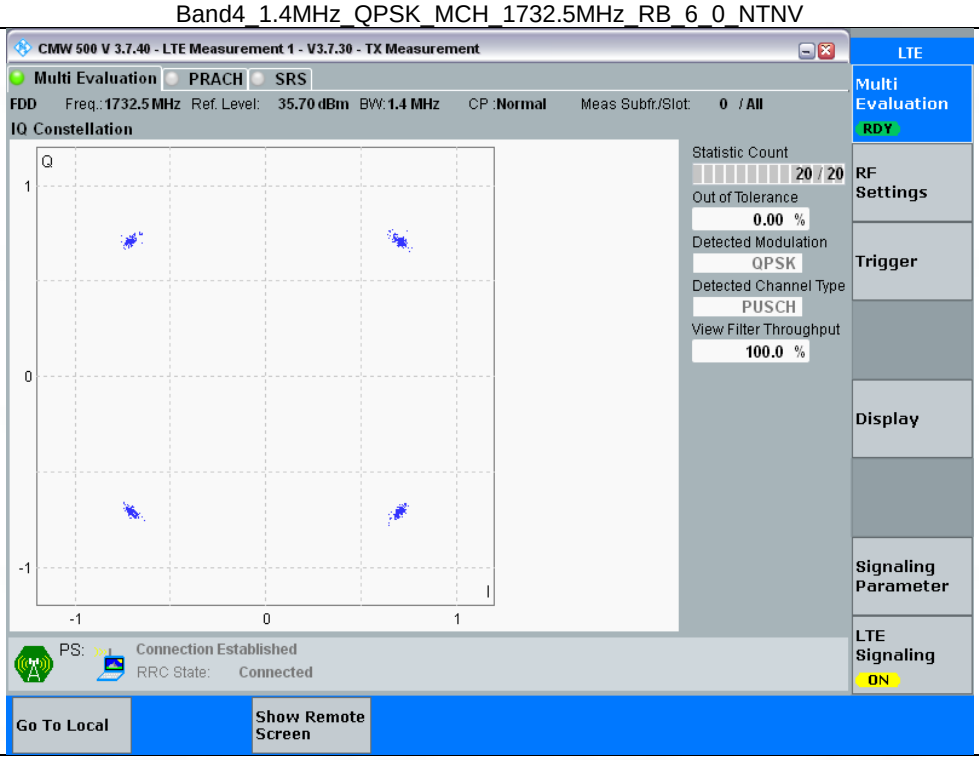
3.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

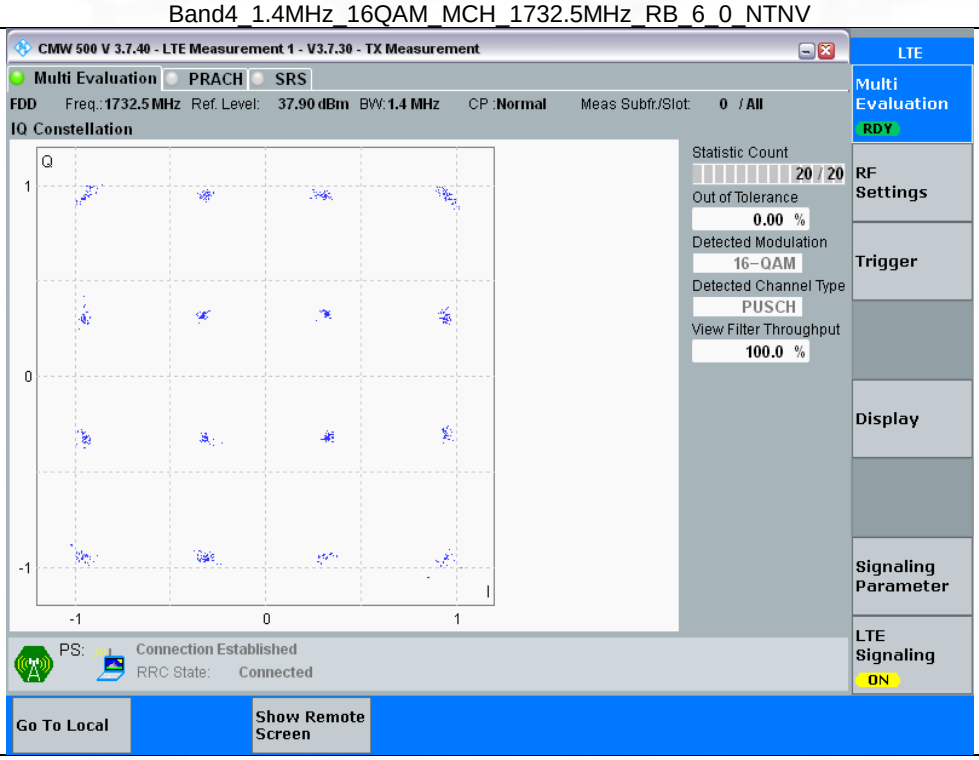
3.2 Test Graph

3.2.1 B4_1.4MHz

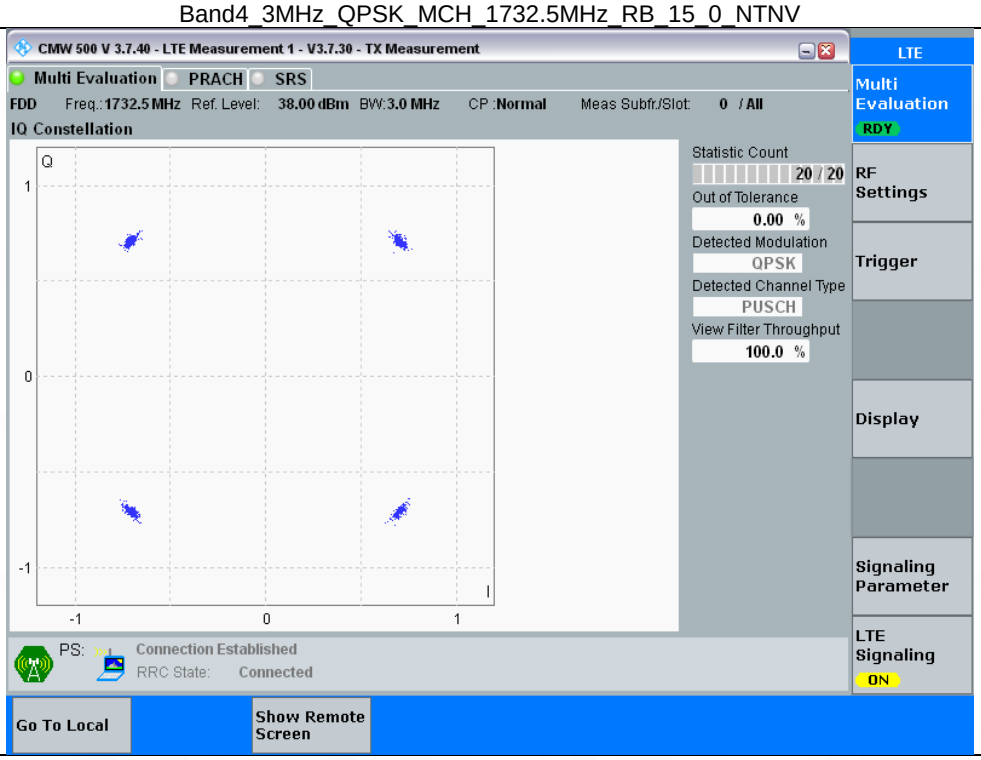
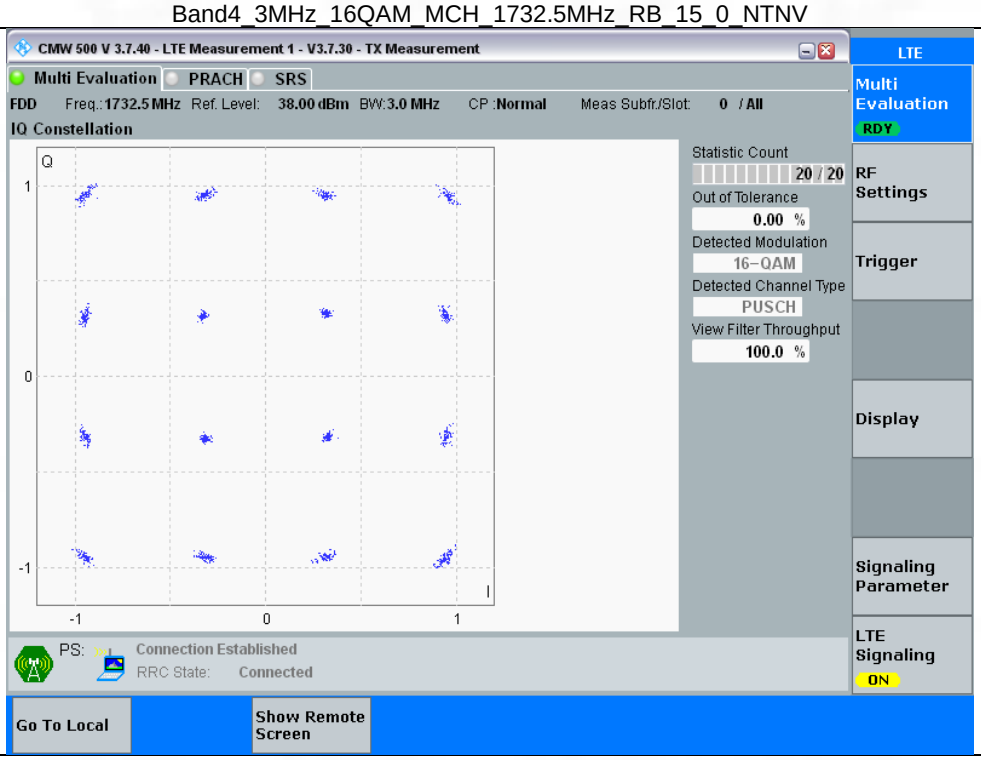
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



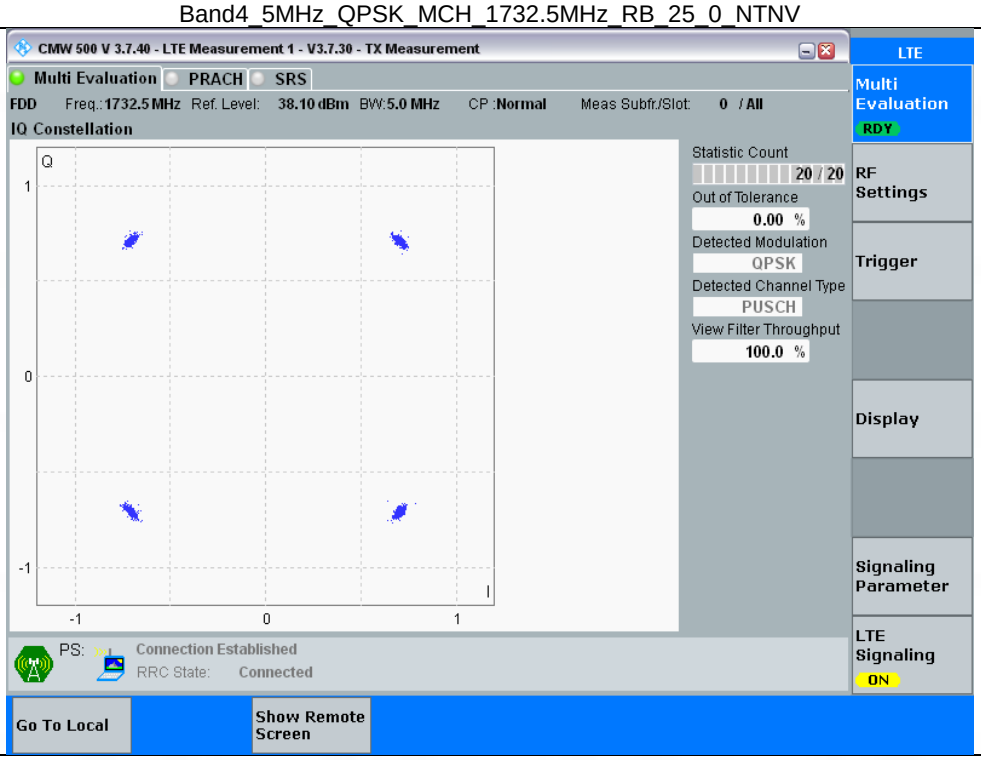
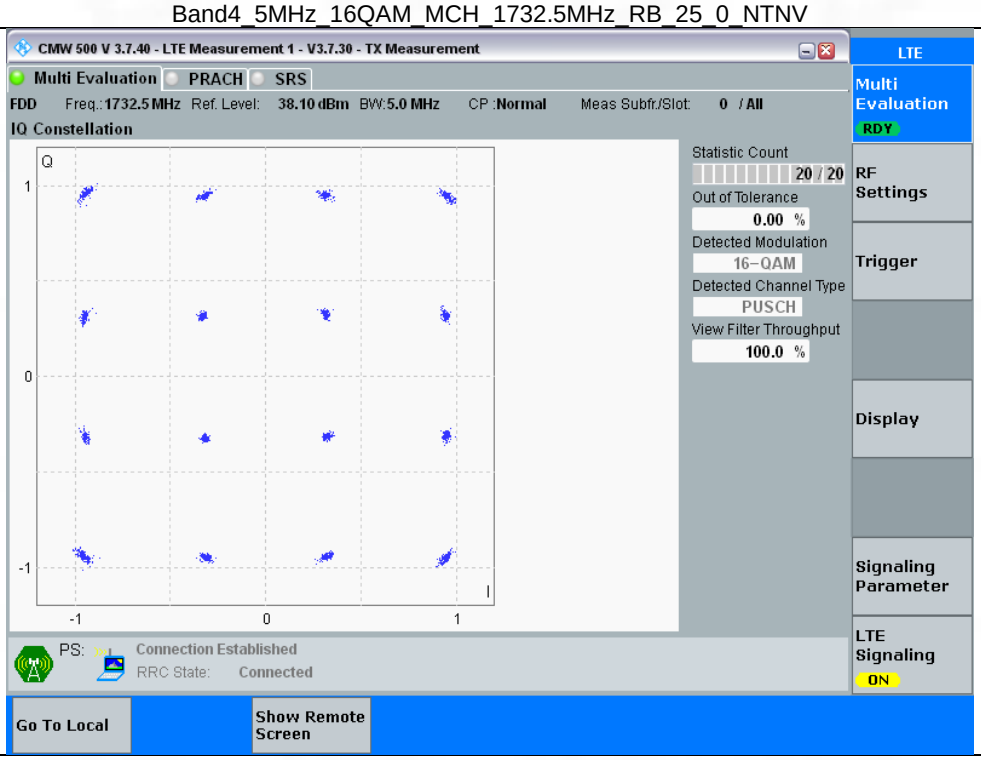
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



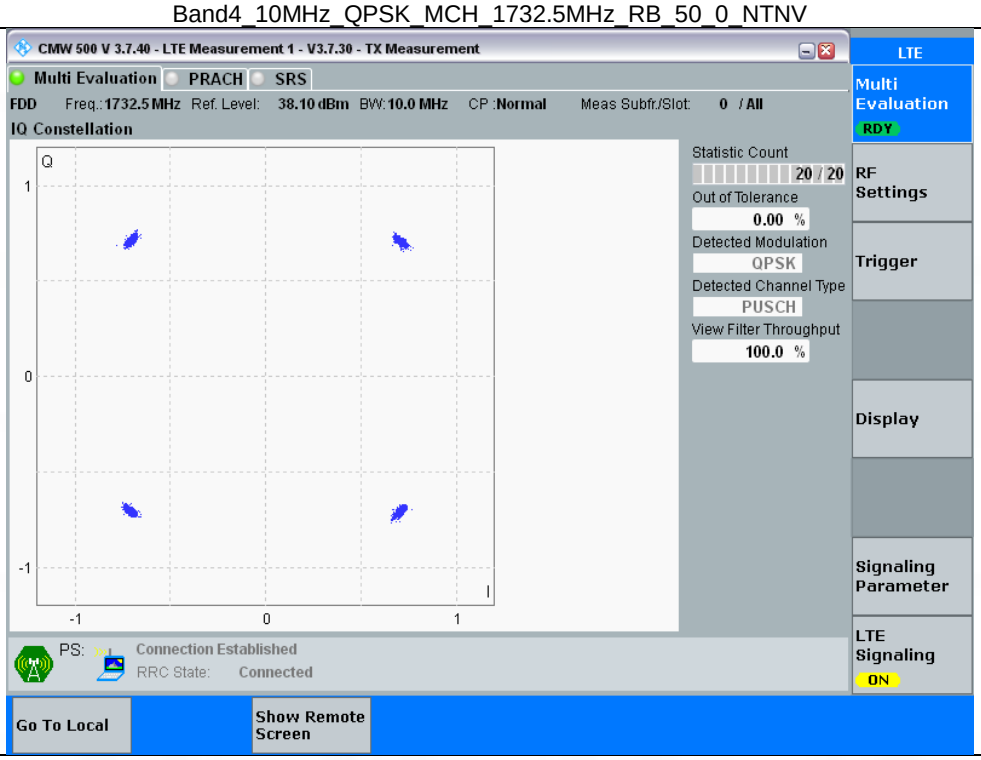
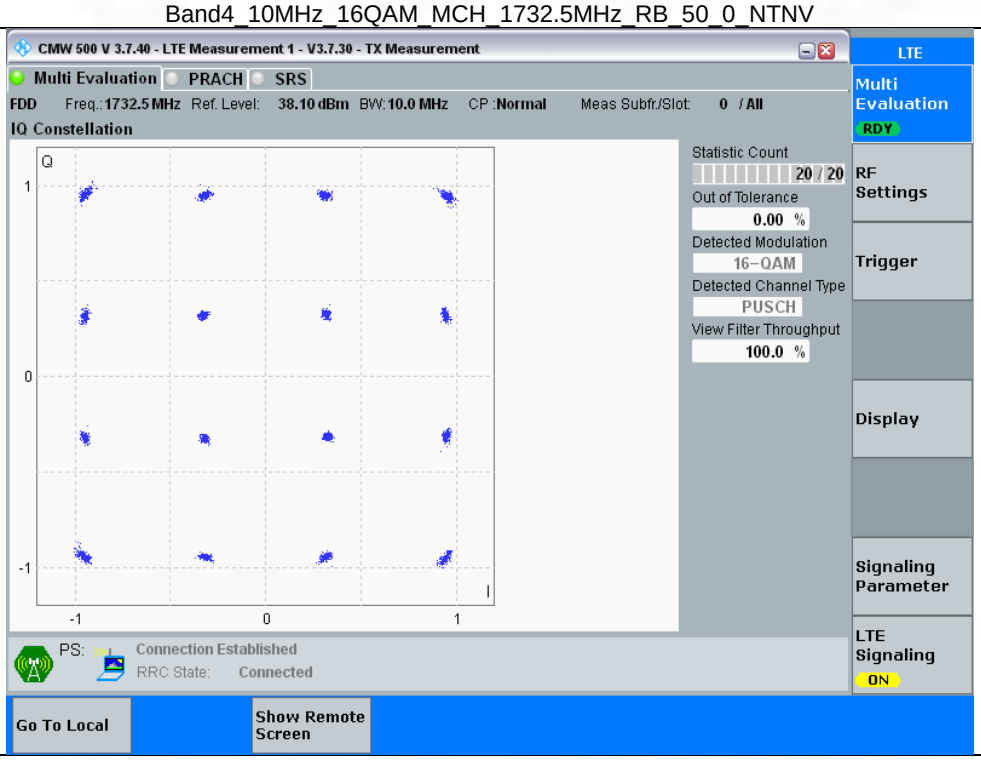
3.2.2 B4_3MHz

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV


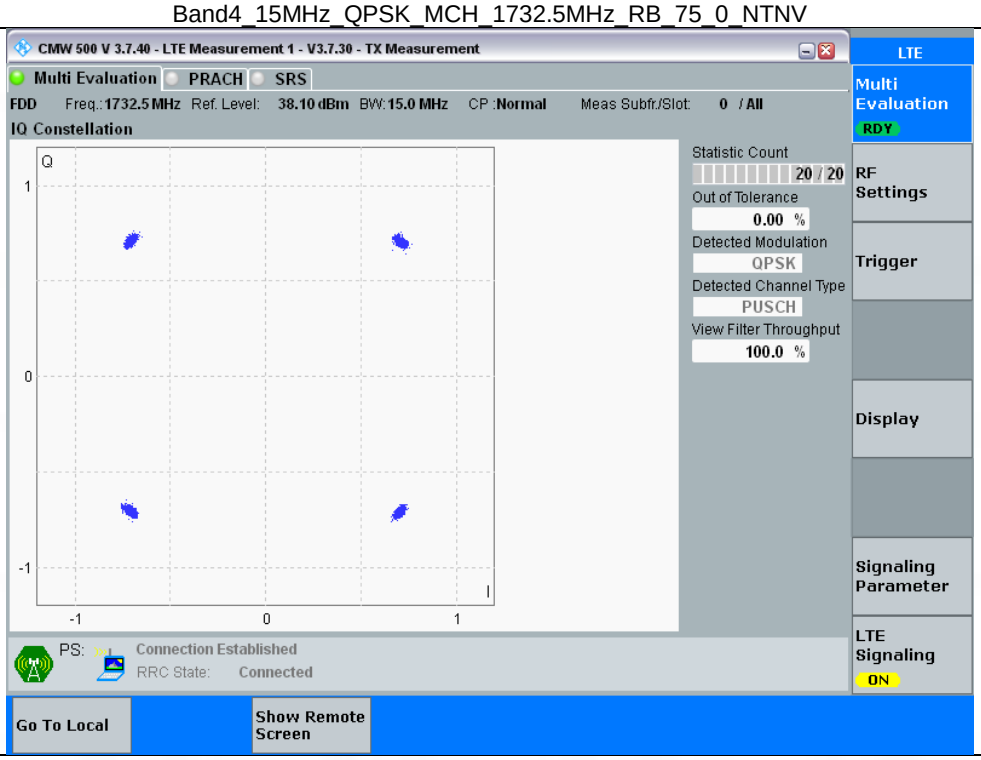
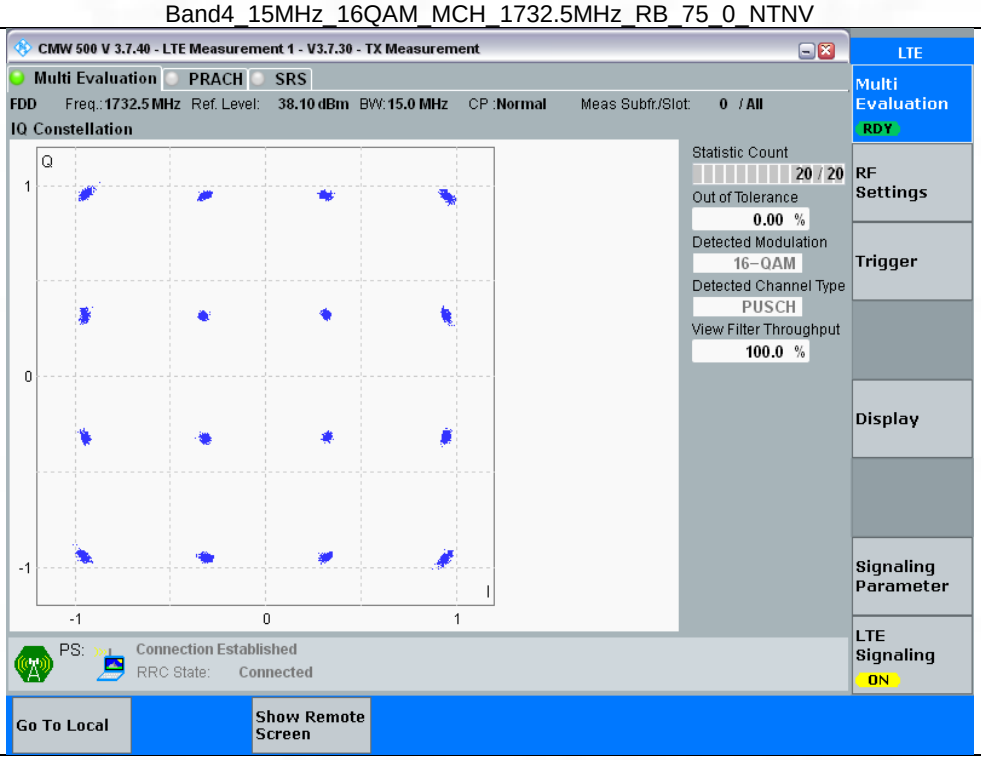
3.2.3 B4_5MHz

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV


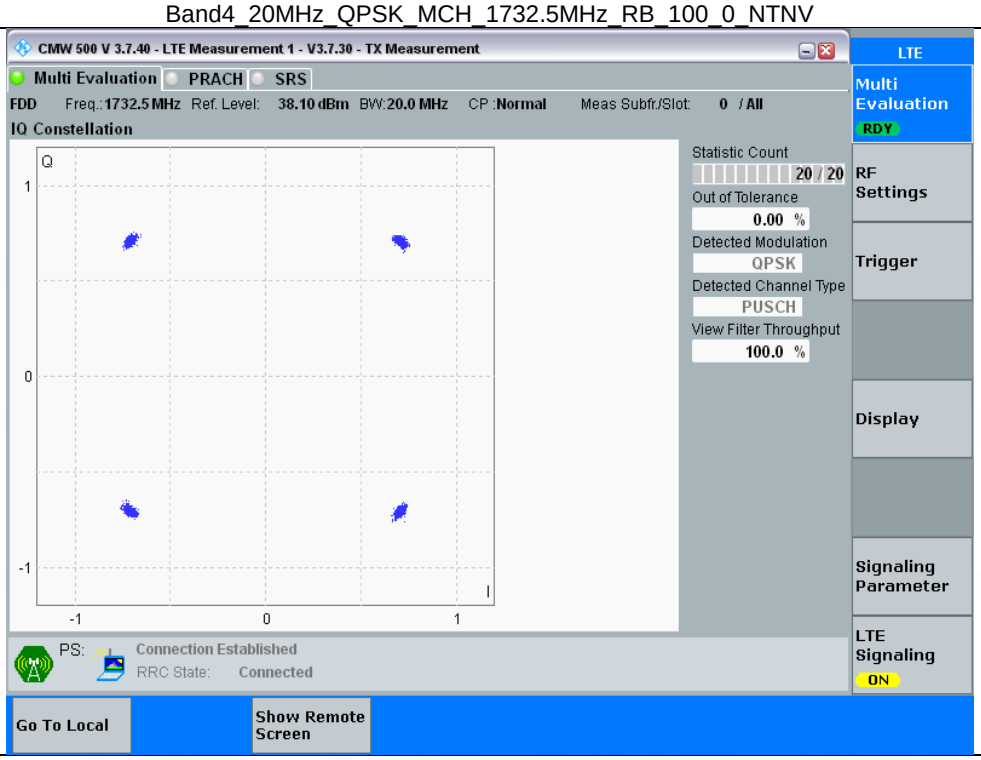
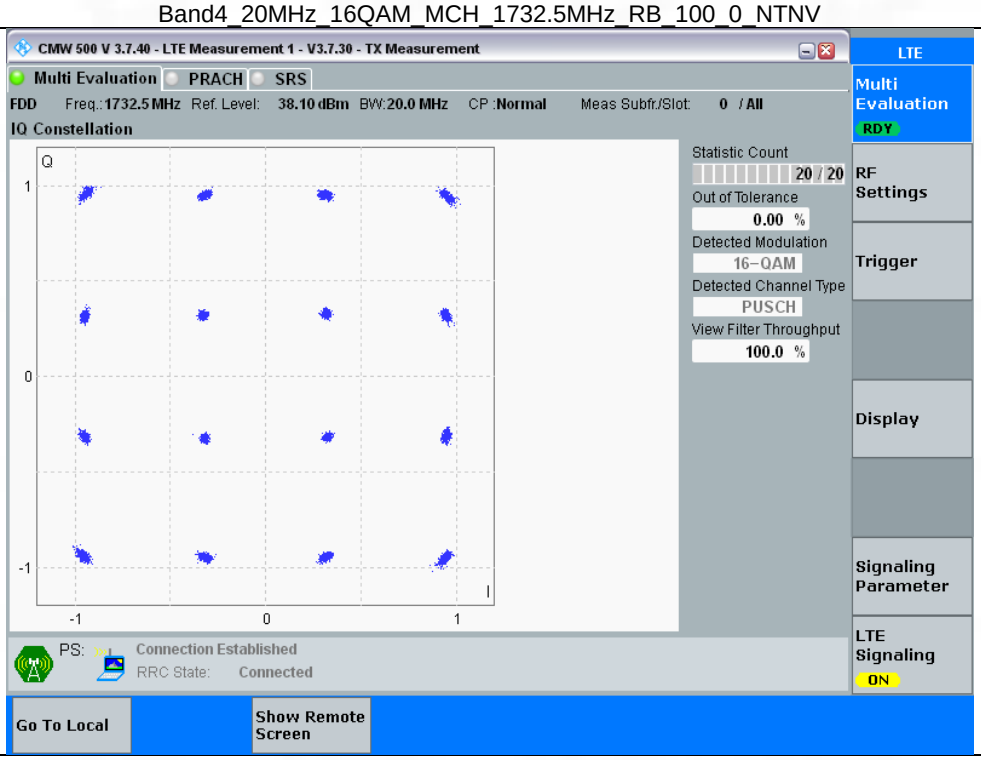
3.2.4 B4_10MHz

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV


3.2.5 B4_15MHz

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV


3.2.6 B4_20MHz

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV


4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band4_OBW

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.117	/	Pass
		1732.5	6	0	1.116	/	Pass
		1754.3	6	0	1.116	/	Pass
	16QAM	1710.7	6	0	1.119	/	Pass
		1732.5	6	0	1.113	/	Pass
		1754.3	6	0	1.120	/	Pass
3	QPSK	1711.5	15	0	2.763	/	Pass
		1732.5	15	0	2.748	/	Pass
		1753.5	15	0	2.744	/	Pass
	16QAM	1711.5	15	0	2.763	/	Pass
		1732.5	15	0	2.756	/	Pass
		1753.5	15	0	2.761	/	Pass
5	QPSK	1712.5	25	0	4.561	/	Pass
		1732.5	25	0	4.548	/	Pass
		1752.5	25	0	4.557	/	Pass
	16QAM	1712.5	25	0	4.545	/	Pass
		1732.5	25	0	4.571	/	Pass
		1752.5	25	0	4.554	/	Pass
10	QPSK	1715	50	0	9.091	/	Pass
		1732.5	50	0	9.059	/	Pass
		1750	50	0	9.066	/	Pass
	16QAM	1715	50	0	9.068	/	Pass
		1732.5	50	0	9.056	/	Pass
		1750	50	0	9.041	/	Pass
15	QPSK	1717.5	75	0	13.636	/	Pass
		1732.5	75	0	13.591	/	Pass
		1747.5	75	0	13.600	/	Pass
	16QAM	1717.5	75	0	13.608	/	Pass
		1732.5	75	0	13.634	/	Pass
		1747.5	75	0	13.596	/	Pass
20	QPSK	1720	100	0	18.190	/	Pass
		1732.5	100	0	18.208	/	Pass
		1745	100	0	18.135	/	Pass
	16QAM	1720	100	0	18.188	/	Pass
		1732.5	100	0	18.165	/	Pass
		1745	100	0	18.134	/	Pass

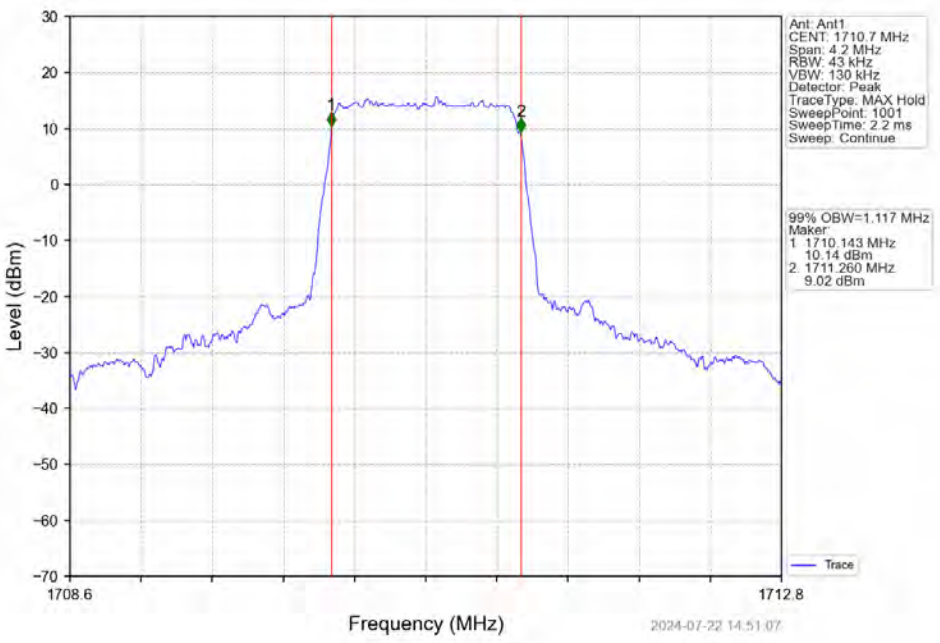
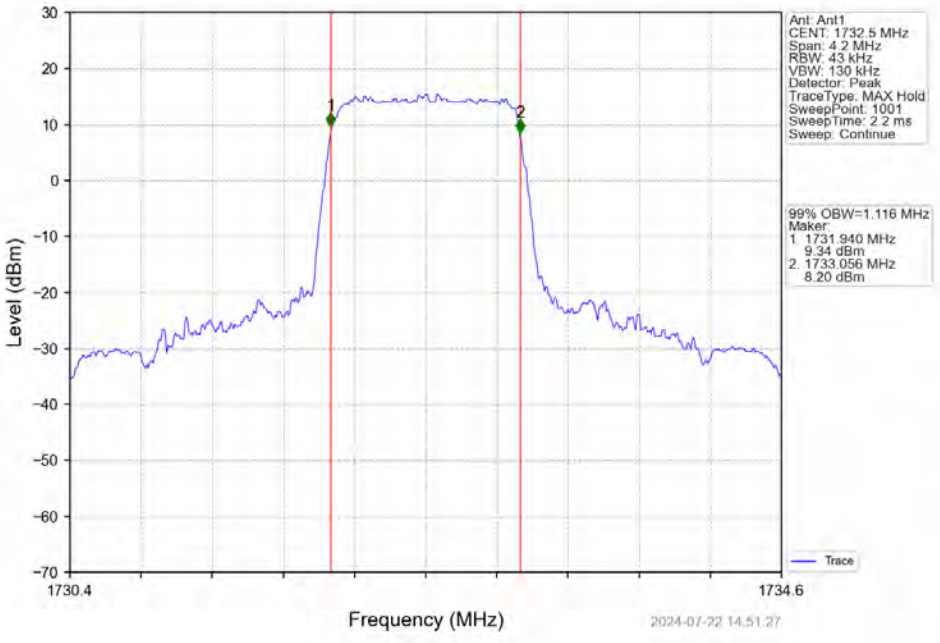
4.1.2 Band4_XDB

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.272	/	Pass
		1732.5	6	0	1.273	/	Pass
		1754.3	6	0	1.274	/	Pass

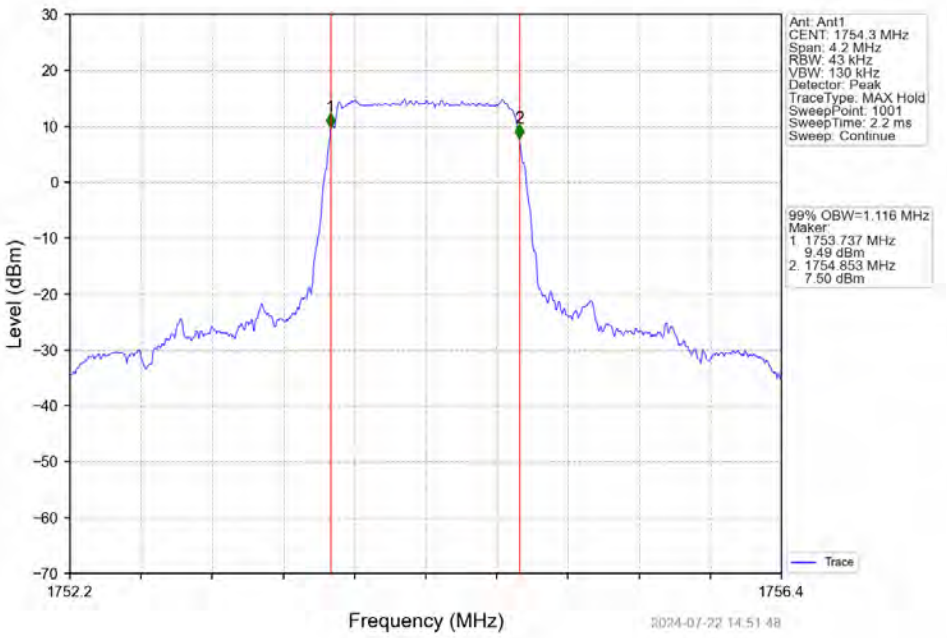
	16QAM	1710.7	6	0	1.271	/	Pass
		1732.5	6	0	1.278	/	Pass
		1754.3	6	0	1.270	/	Pass
3	QPSK	1711.5	15	0	3.116	/	Pass
		1732.5	15	0	3.116	/	Pass
		1753.5	15	0	3.109	/	Pass
	16QAM	1711.5	15	0	3.080	/	Pass
		1732.5	15	0	3.083	/	Pass
		1753.5	15	0	3.117	/	Pass
5	QPSK	1712.5	25	0	5.073	/	Pass
		1732.5	25	0	5.061	/	Pass
		1752.5	25	0	5.091	/	Pass
	16QAM	1712.5	25	0	5.057	/	Pass
		1732.5	25	0	5.064	/	Pass
		1752.5	25	0	5.047	/	Pass
10	QPSK	1715	50	0	10.080	/	Pass
		1732.5	50	0	10.051	/	Pass
		1750	50	0	10.114	/	Pass
	16QAM	1715	50	0	10.071	/	Pass
		1732.5	50	0	10.050	/	Pass
		1750	50	0	10.065	/	Pass
15	QPSK	1717.5	75	0	15.174	/	Pass
		1732.5	75	0	15.205	/	Pass
		1747.5	75	0	15.128	/	Pass
	16QAM	1717.5	75	0	15.218	/	Pass
		1732.5	75	0	15.246	/	Pass
		1747.5	75	0	15.175	/	Pass
20	QPSK	1720	100	0	20.034	/	Pass
		1732.5	100	0	20.030	/	Pass
		1745	100	0	20.046	/	Pass
	16QAM	1720	100	0	20.065	/	Pass
		1732.5	100	0	20.052	/	Pass
		1745	100	0	20.072	/	Pass

4.2 Test Graph

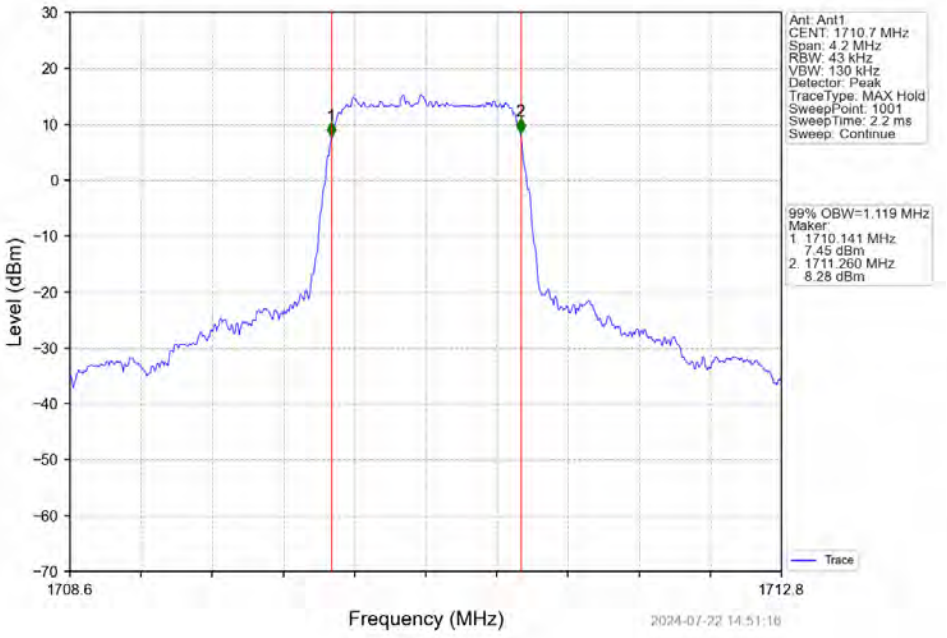
4.2.1 Band4_OBW

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV


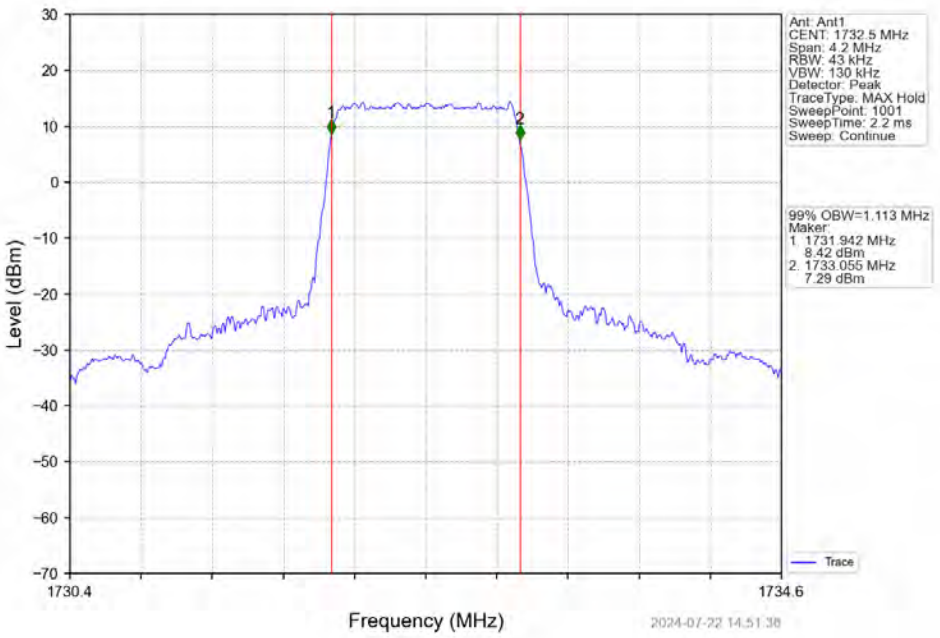
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



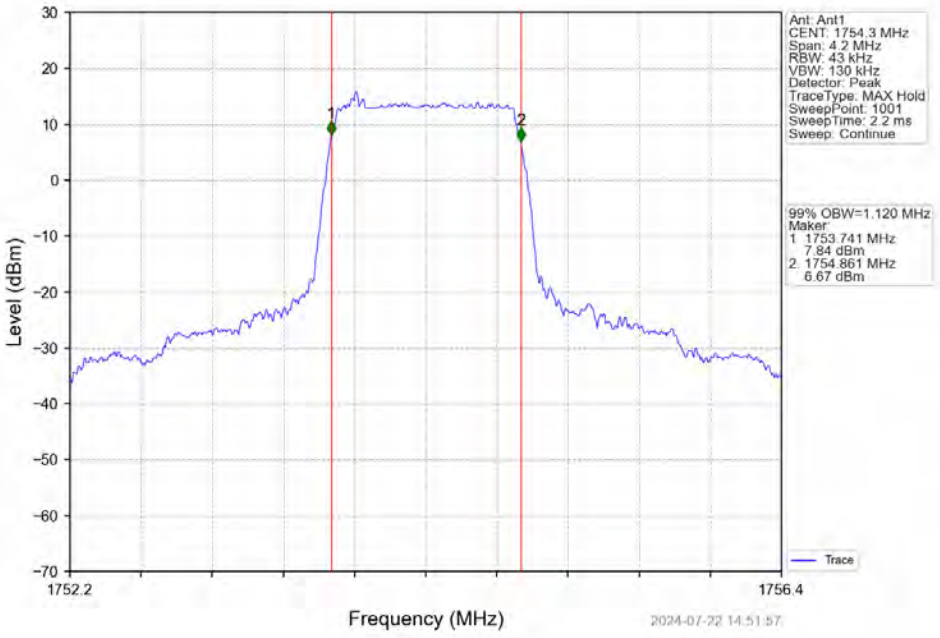
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



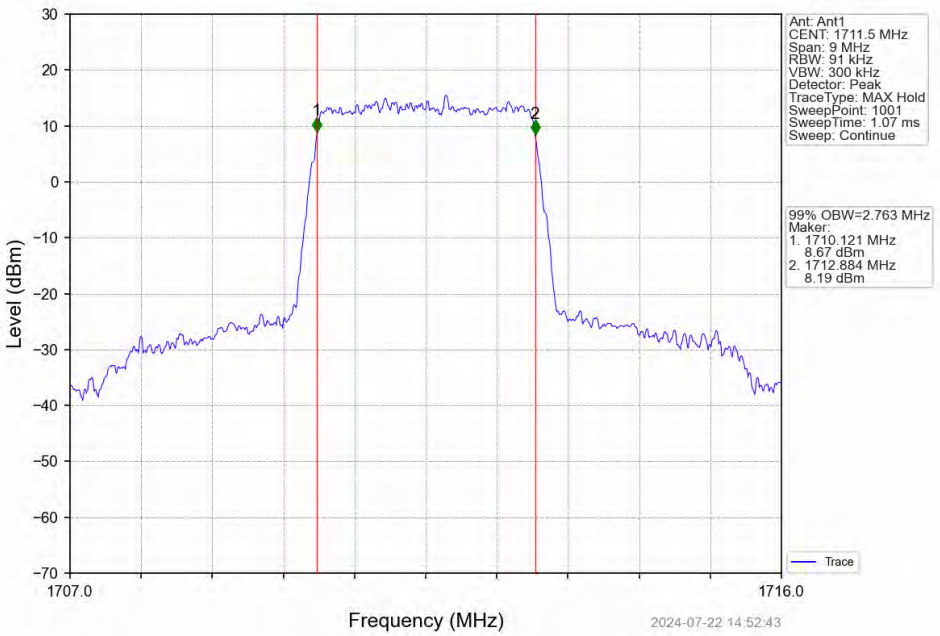
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



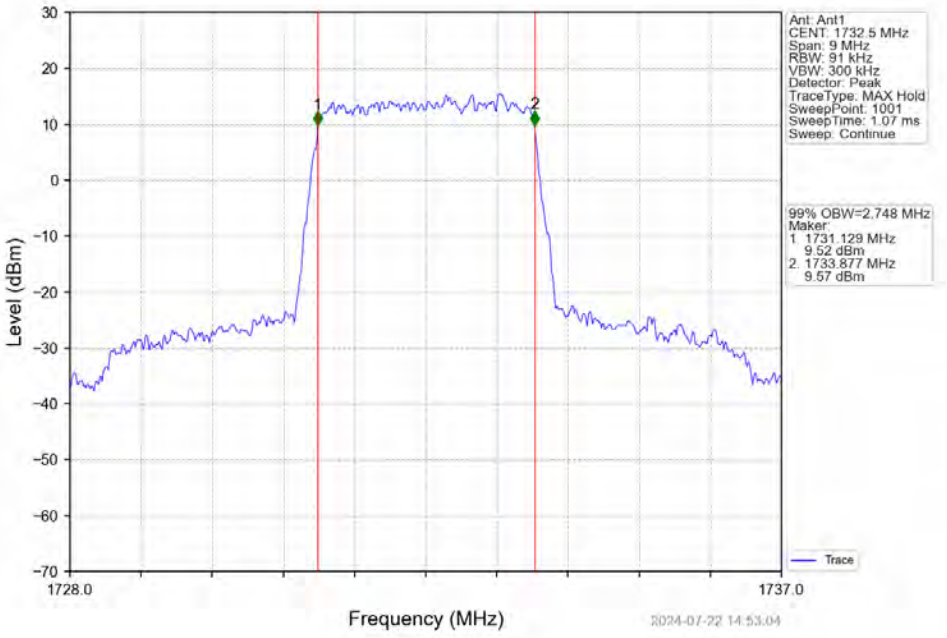
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



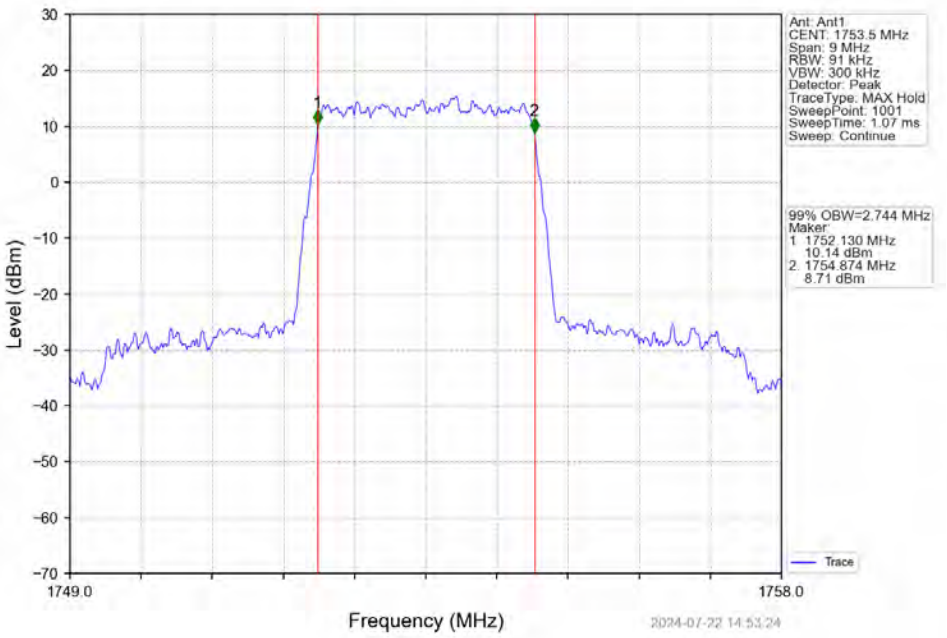
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



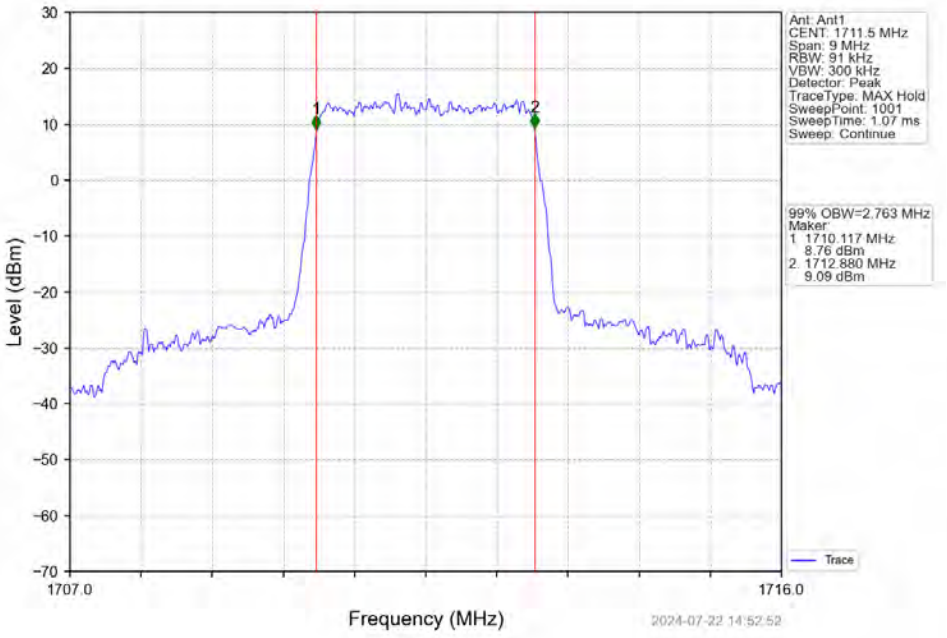
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



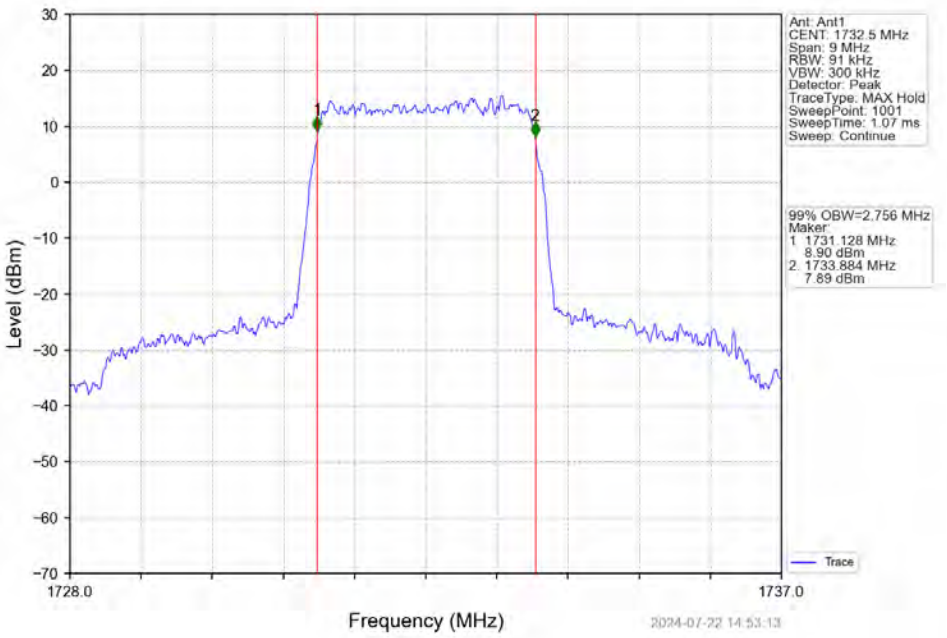
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



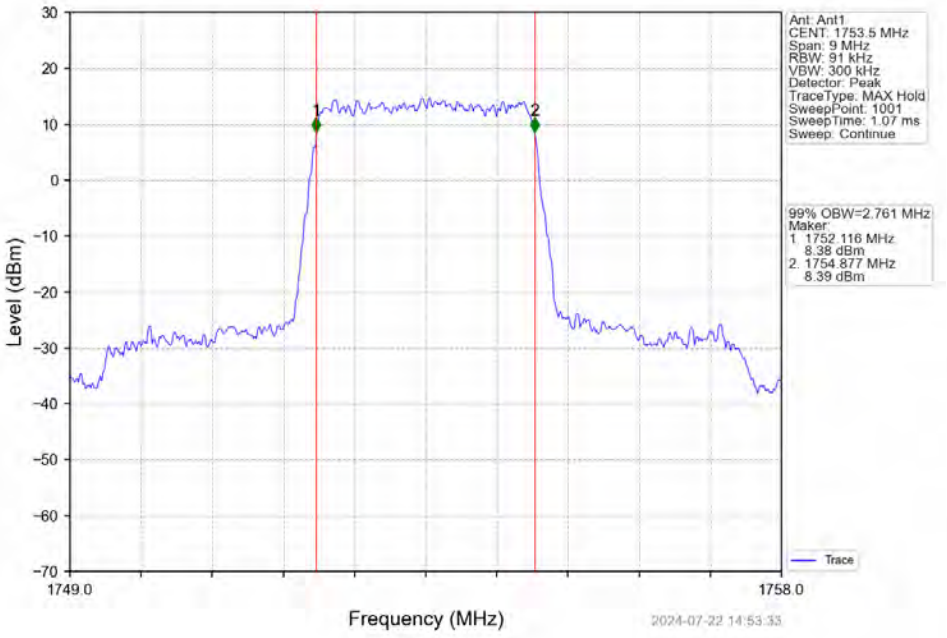
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



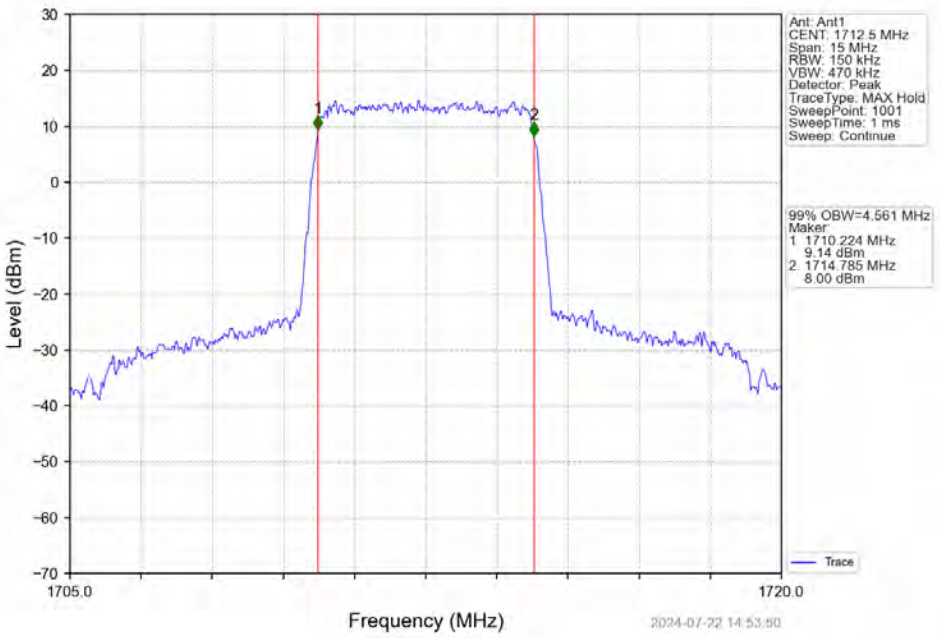
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



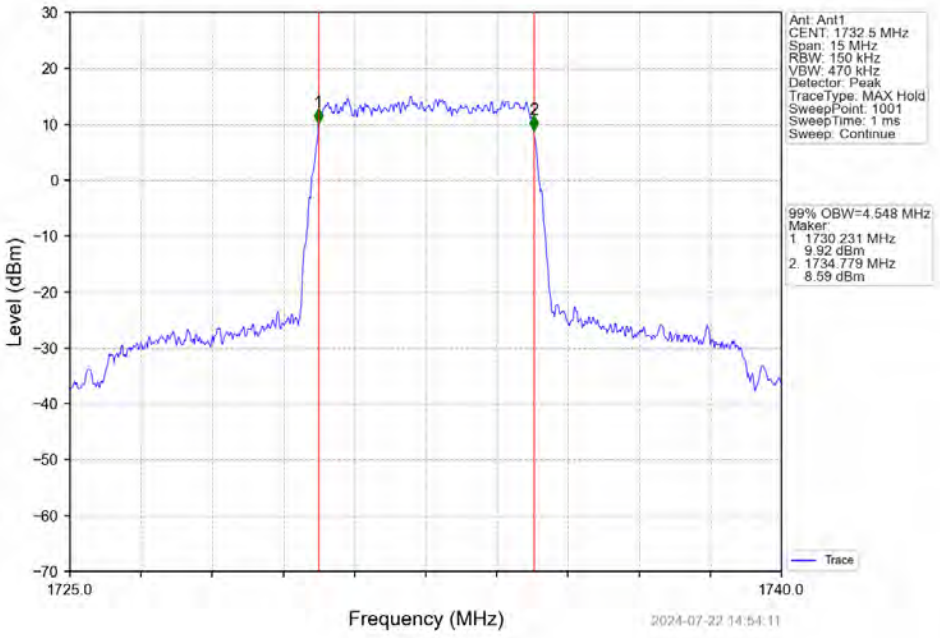
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



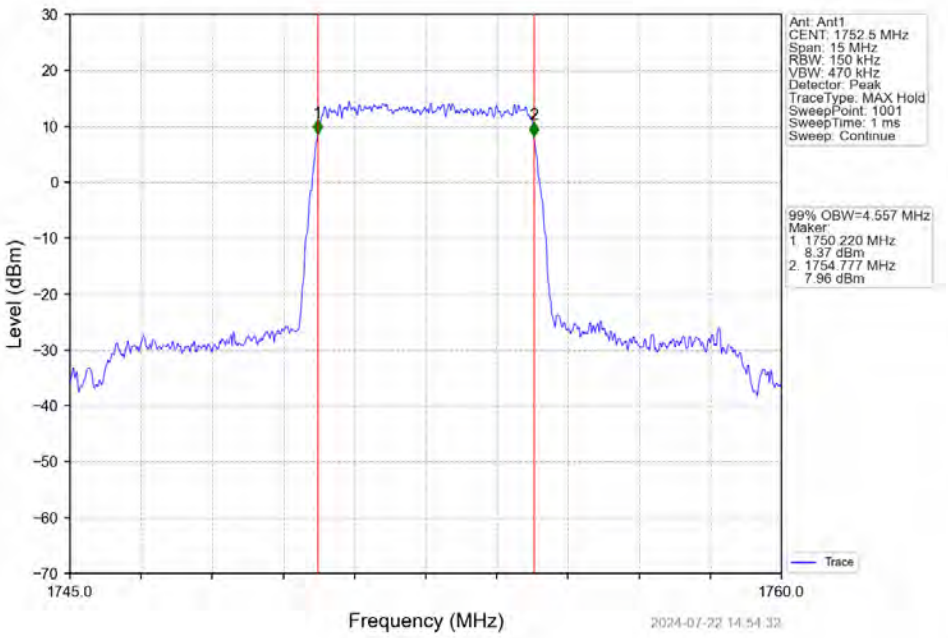
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



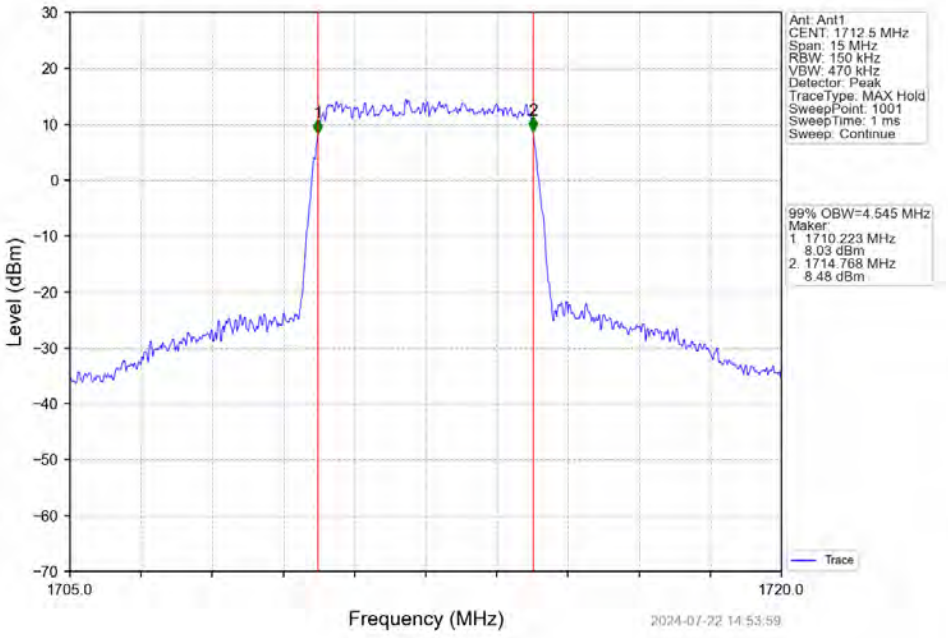
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



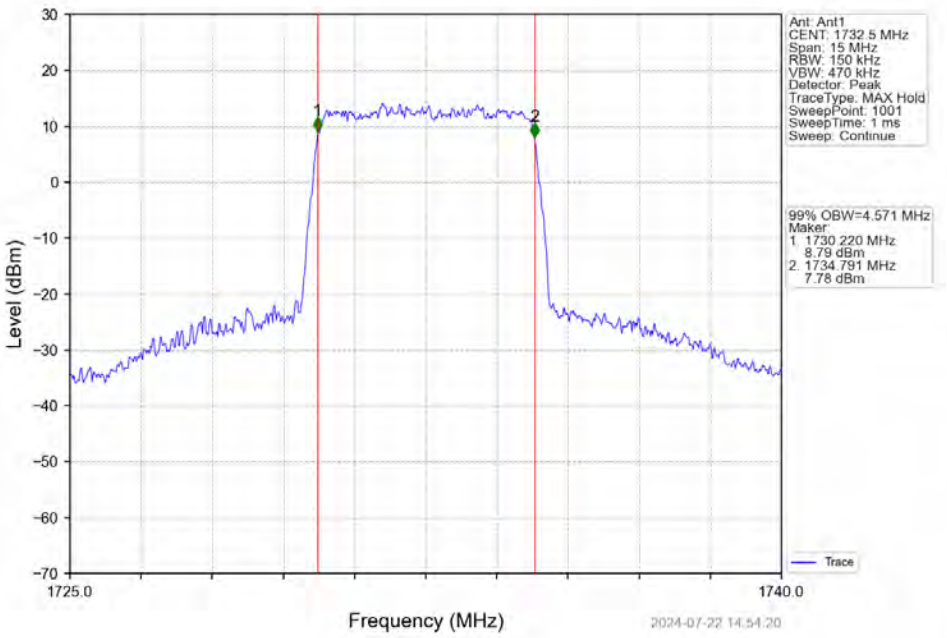
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



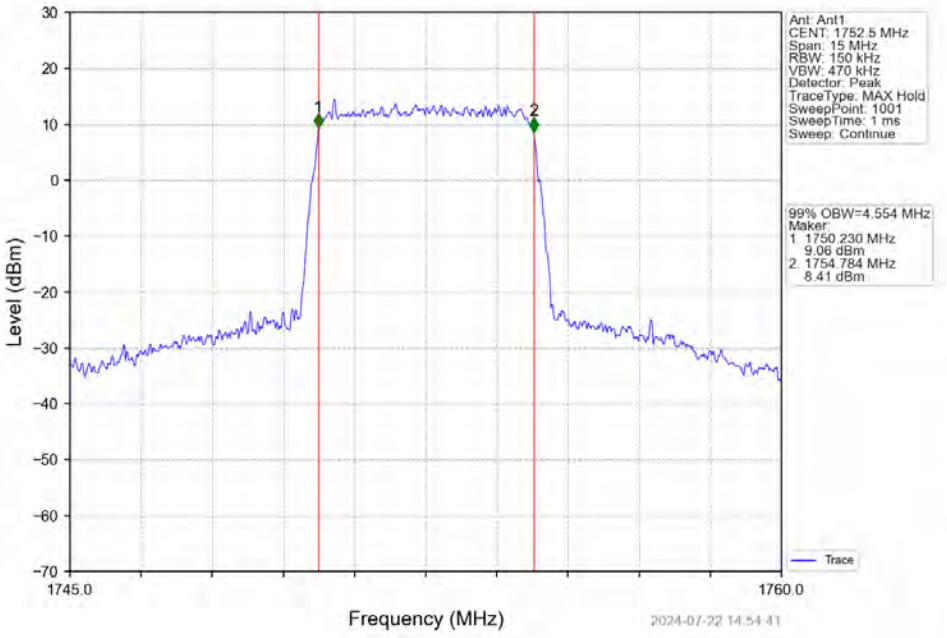
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



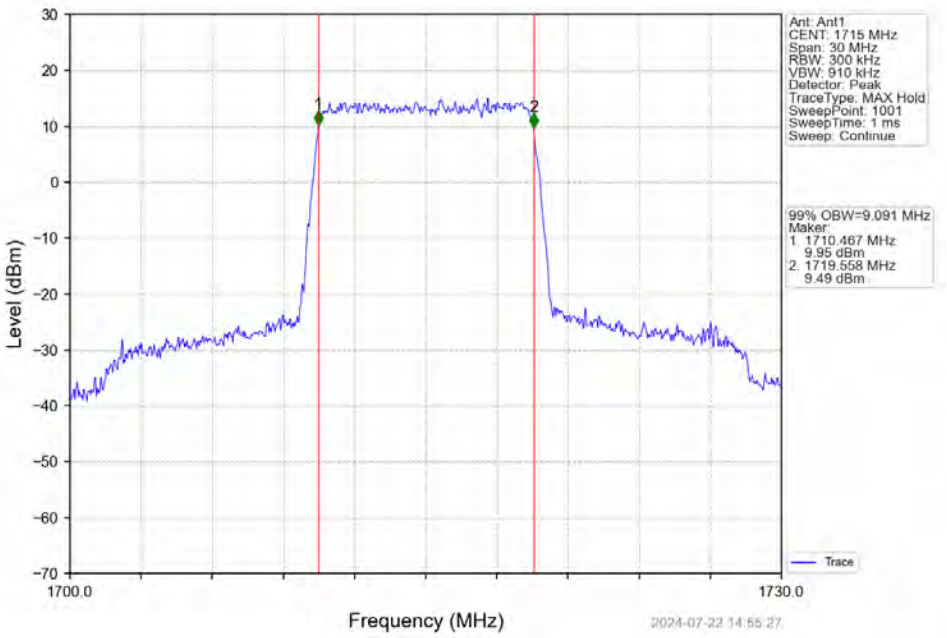
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



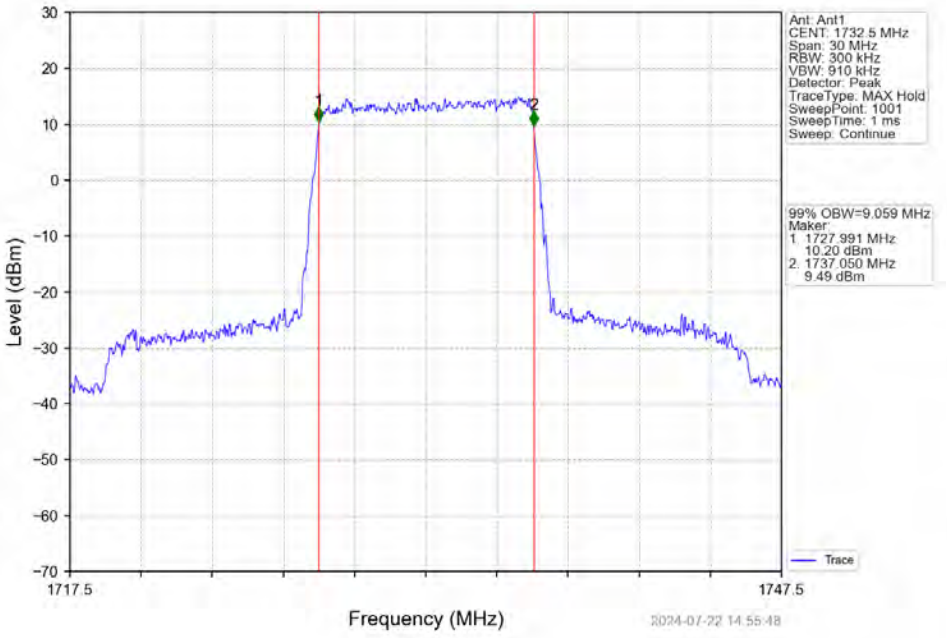
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



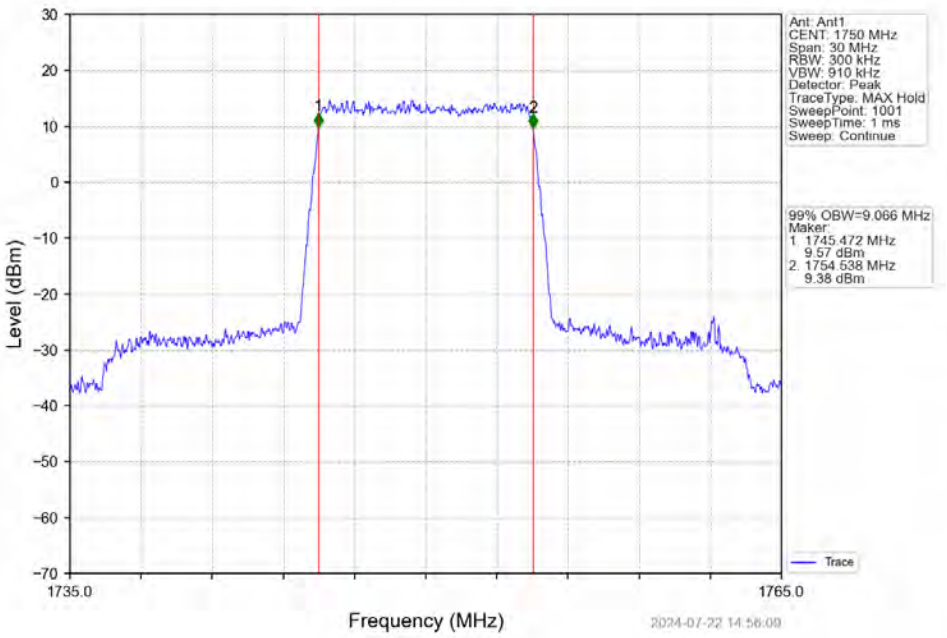
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



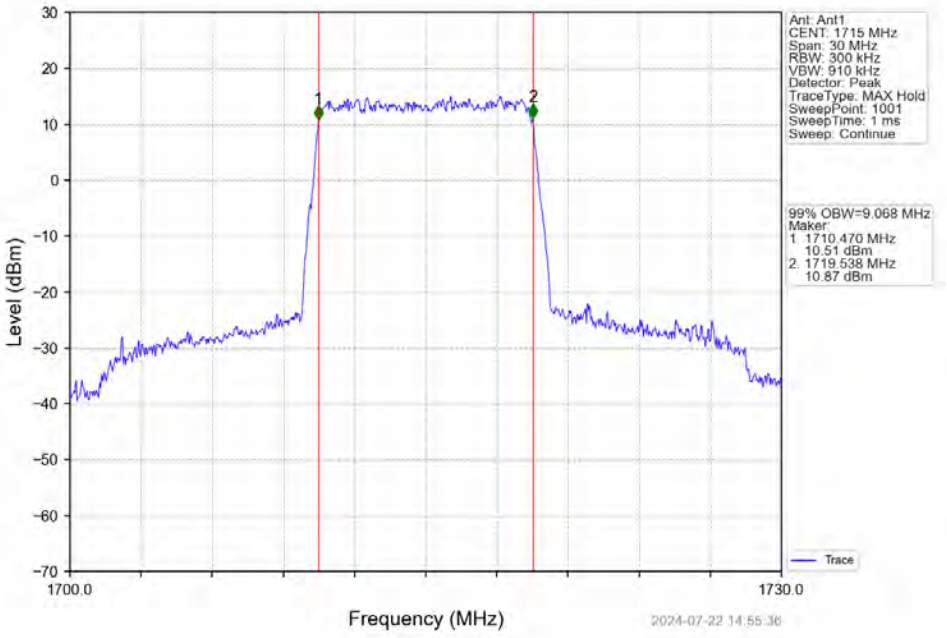
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



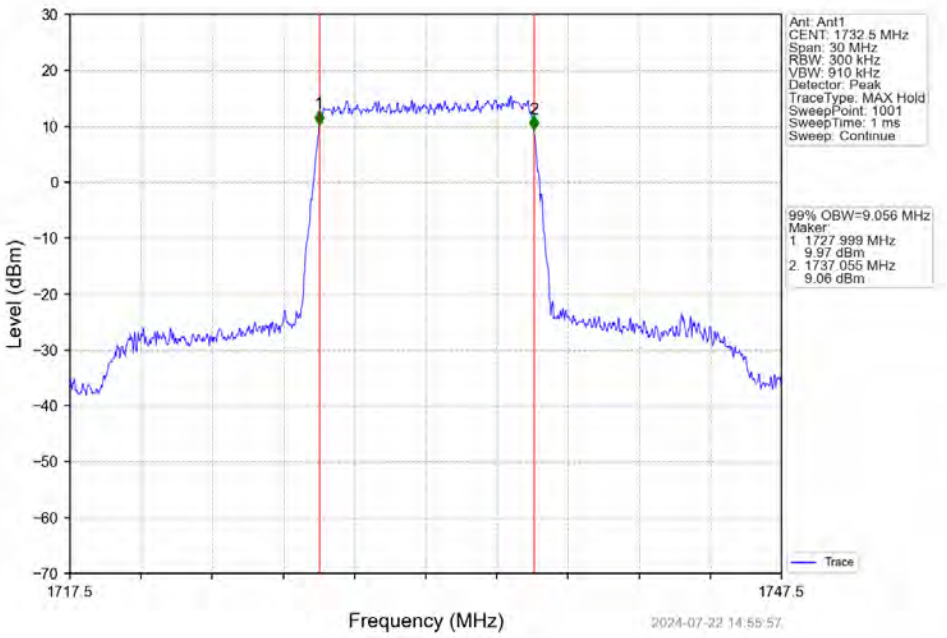
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



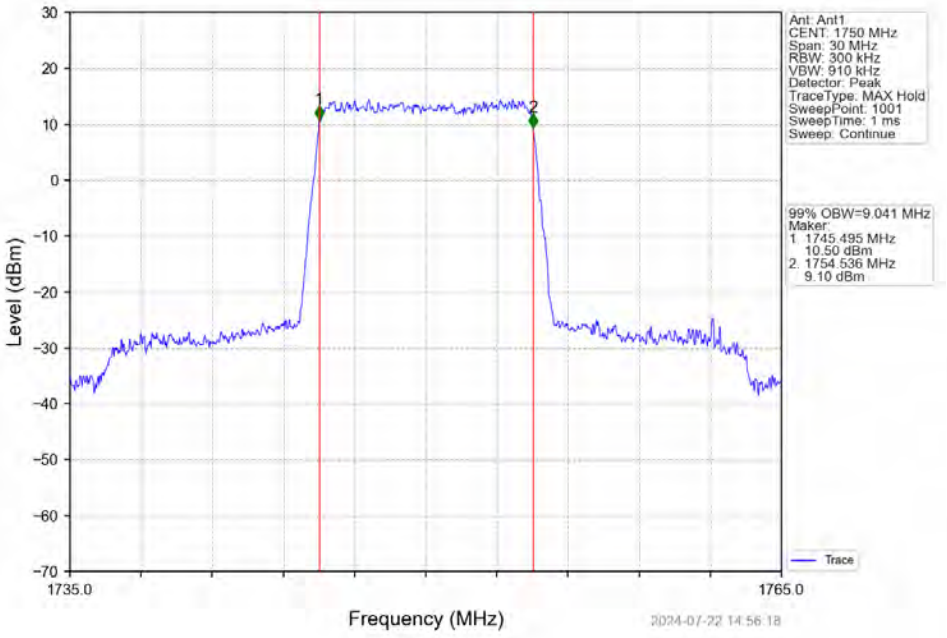
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



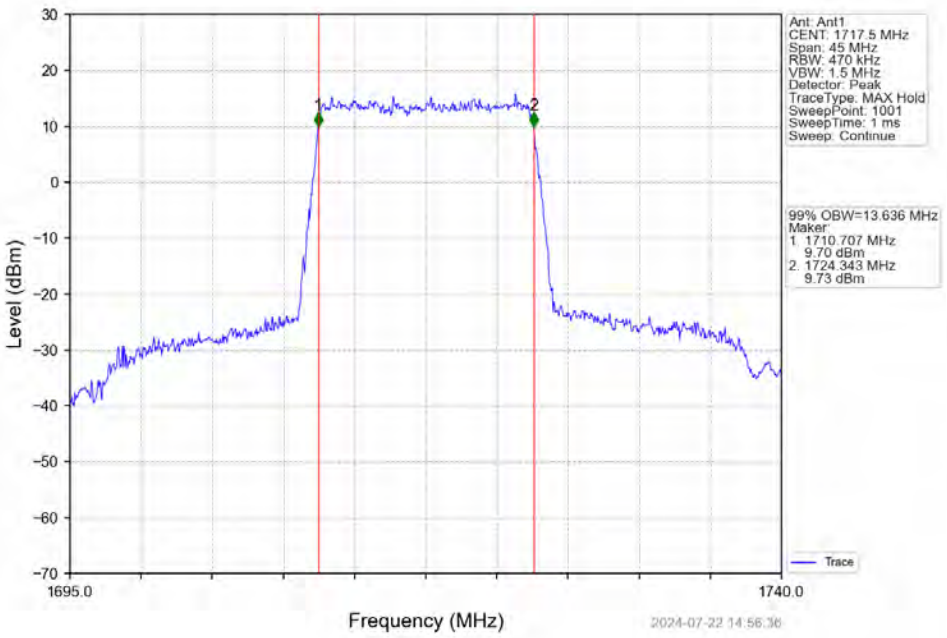
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



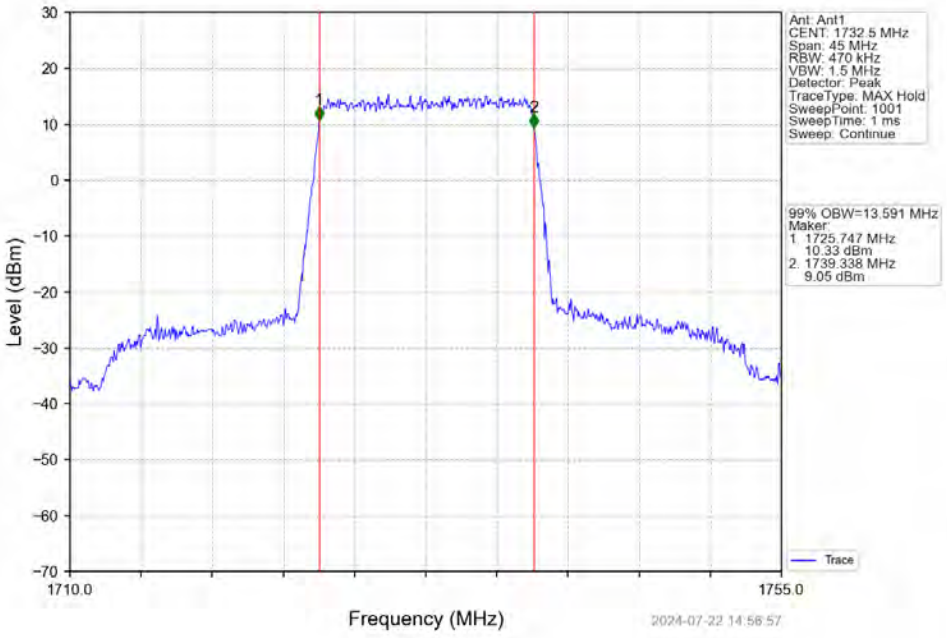
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



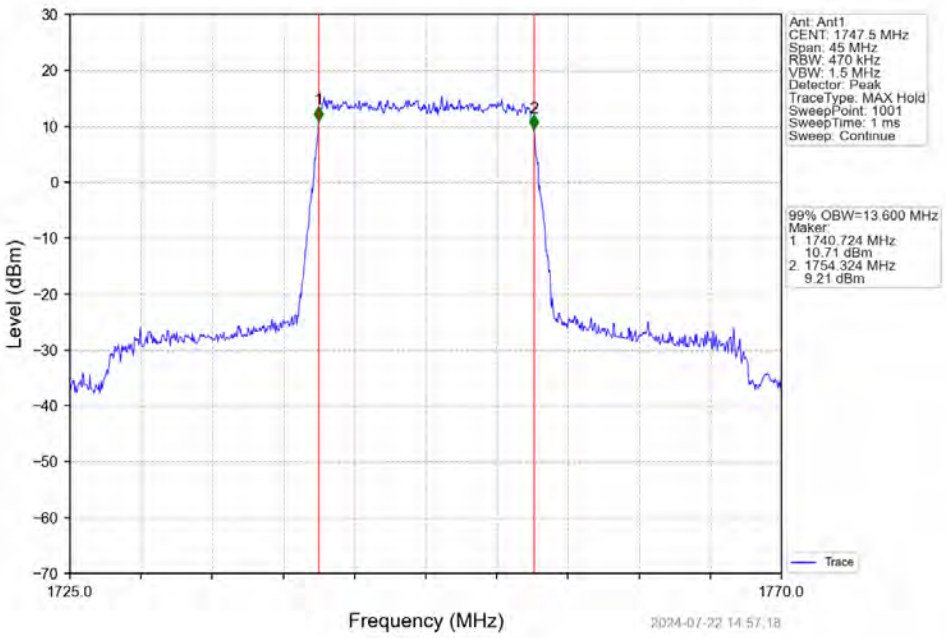
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



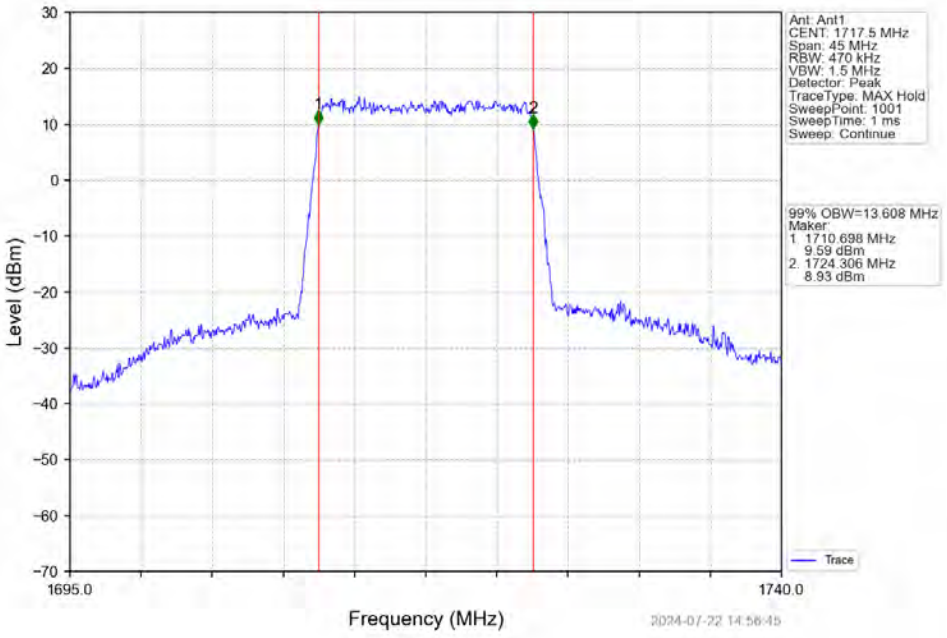
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



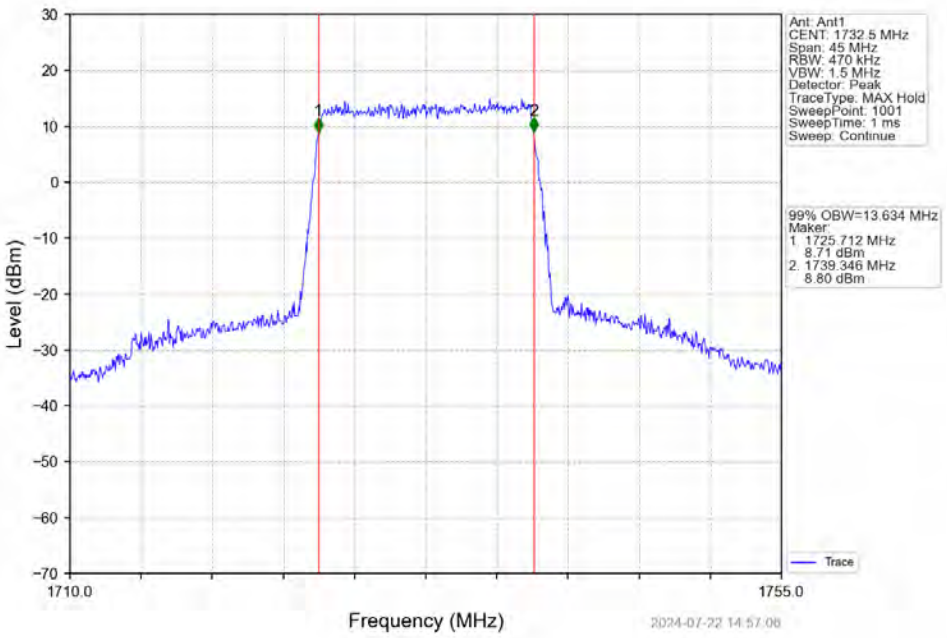
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



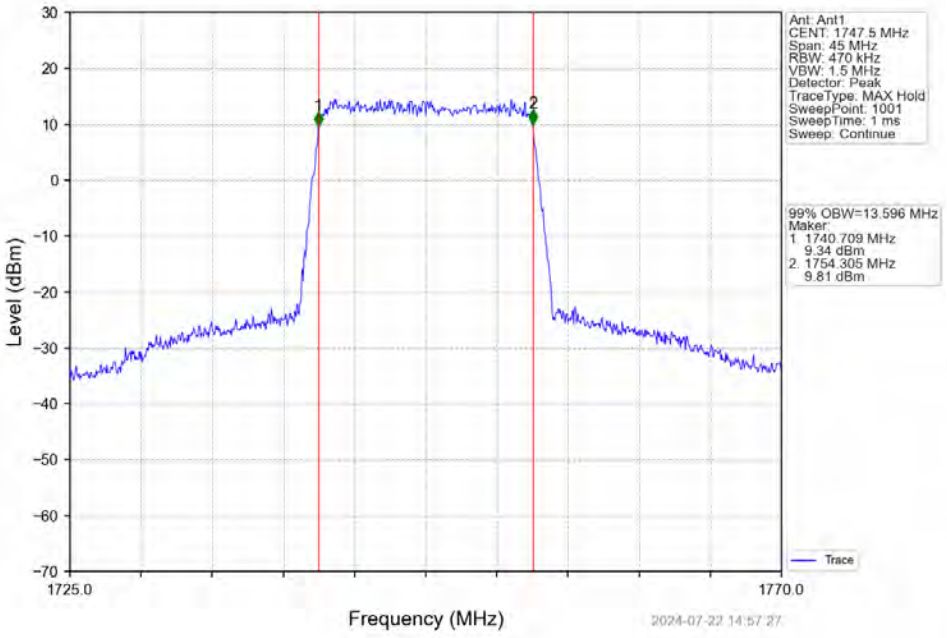
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



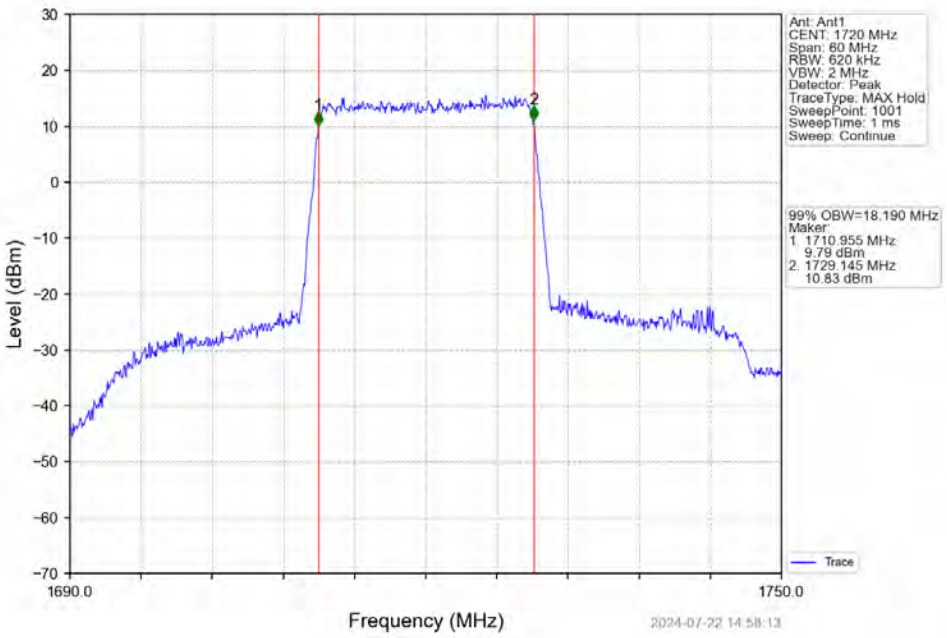
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



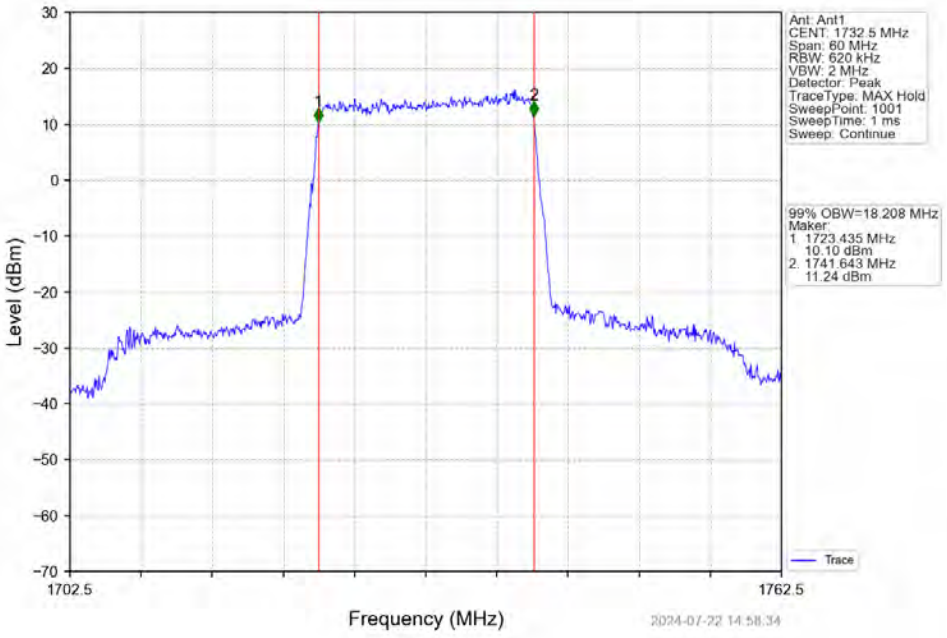
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



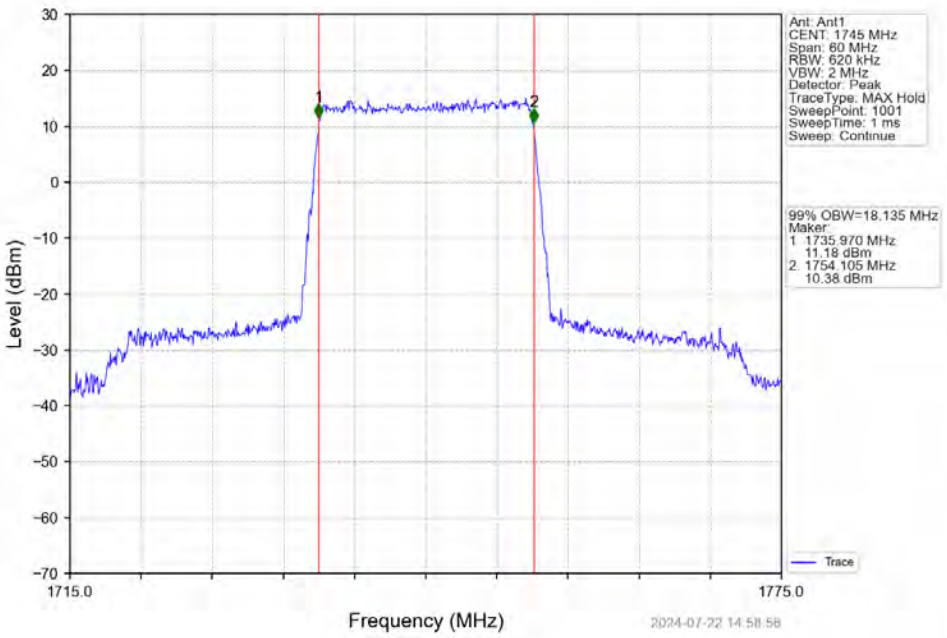
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



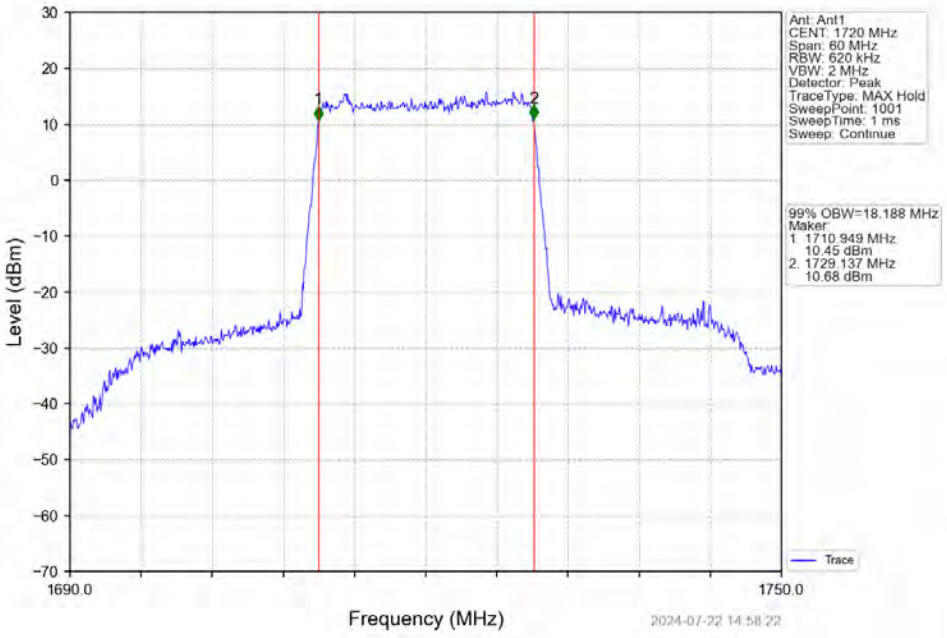
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



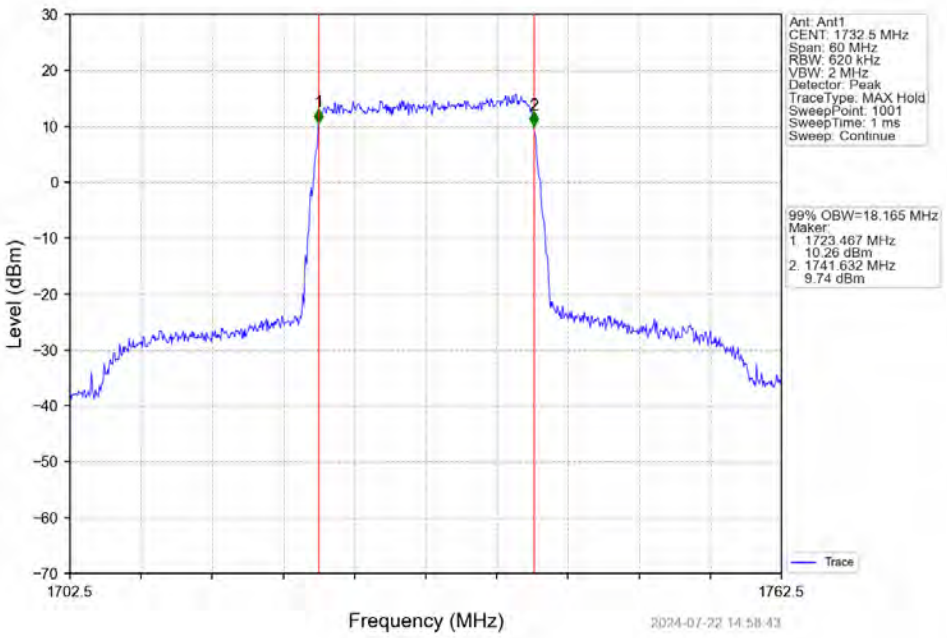
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



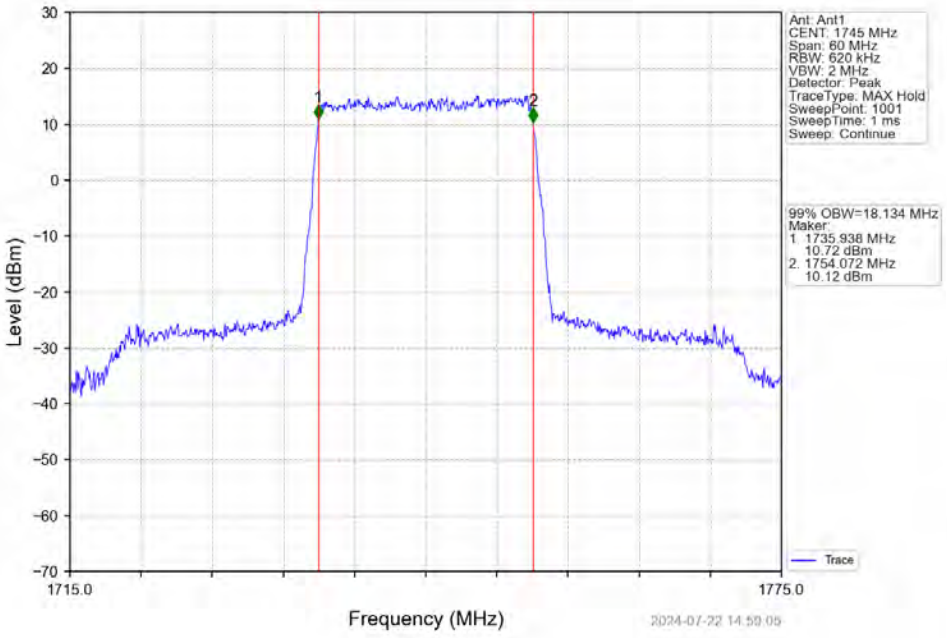
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



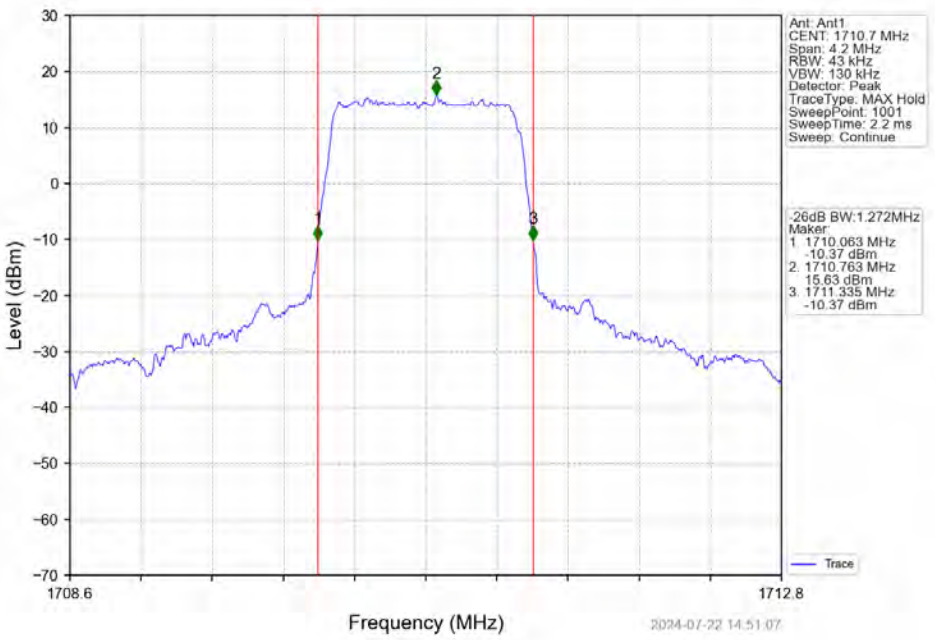
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



4.2.2 Band4_XDB

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

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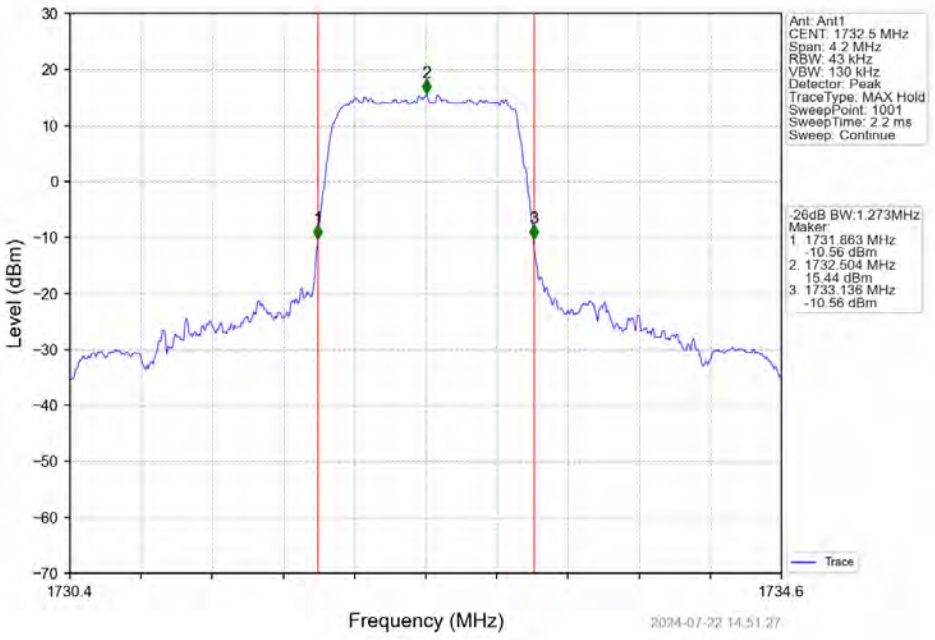
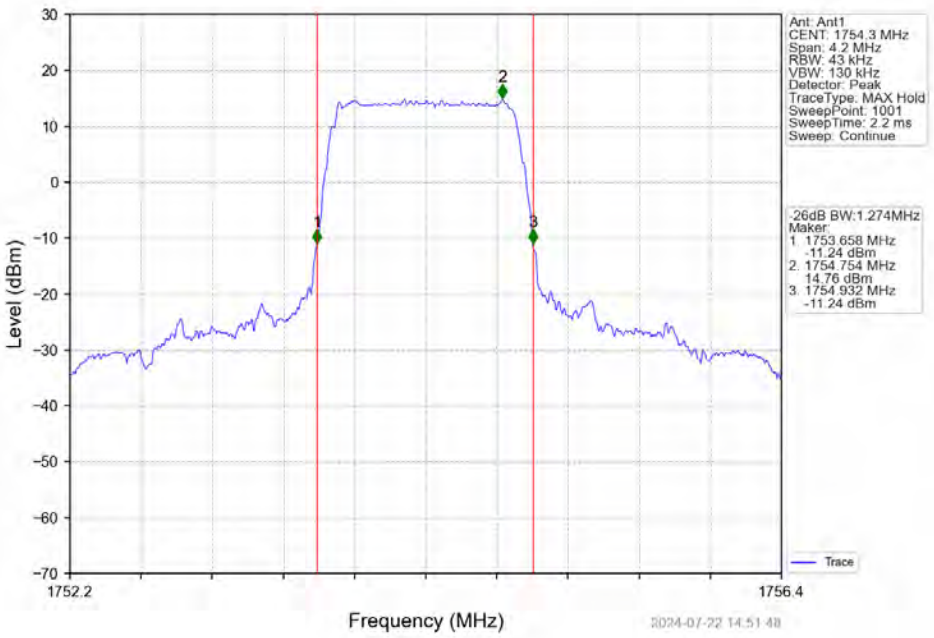
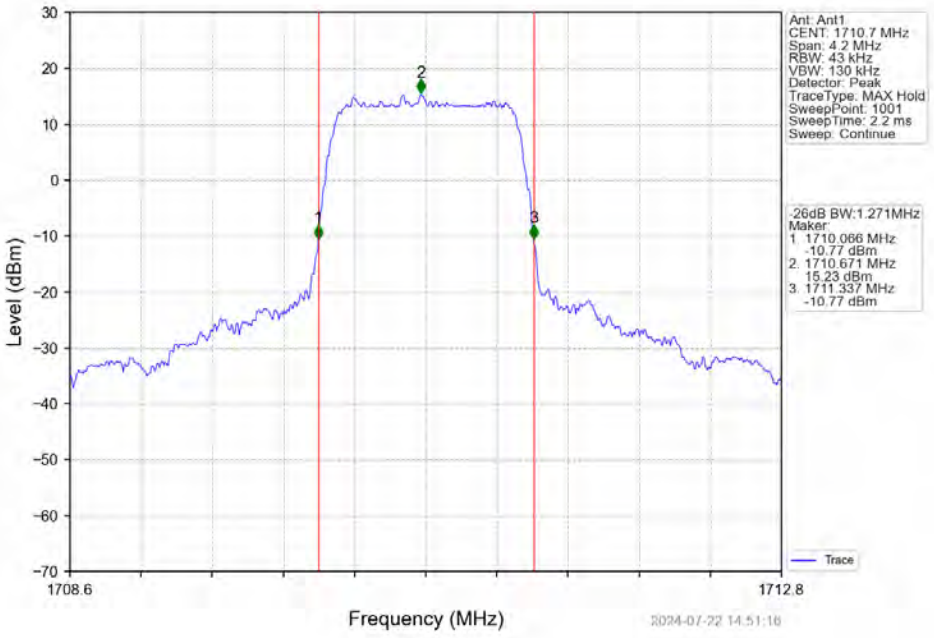


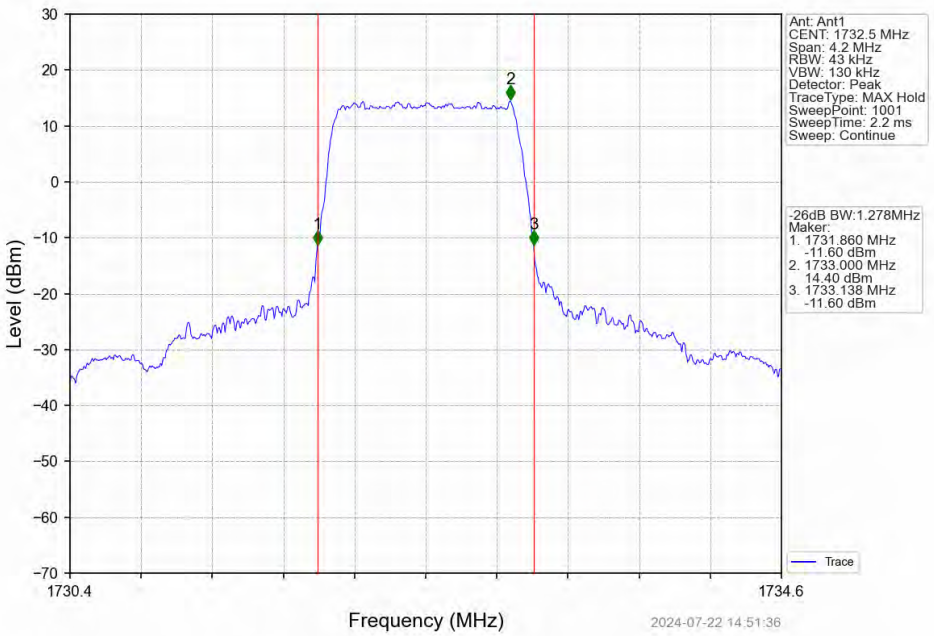
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



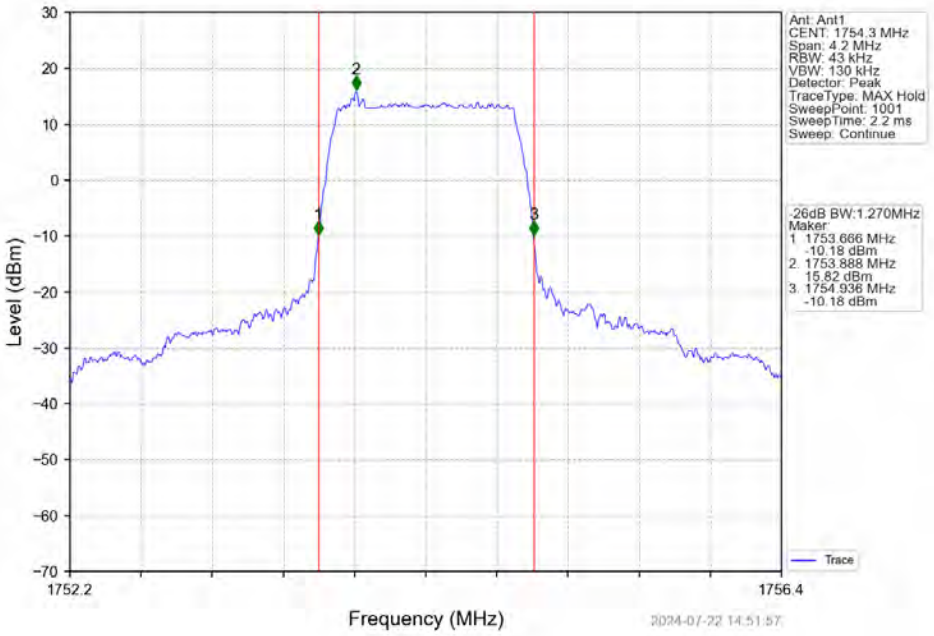
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



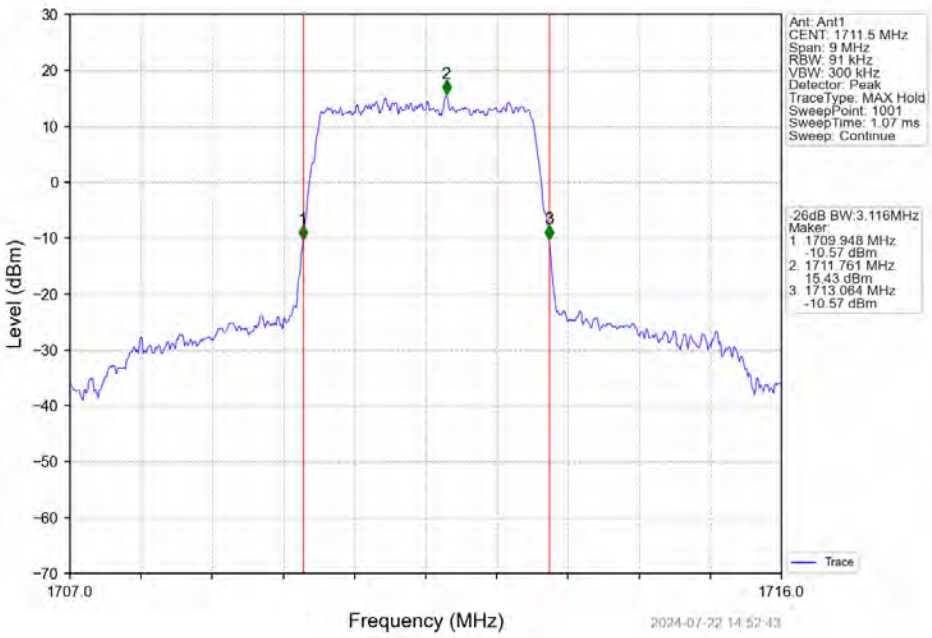
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



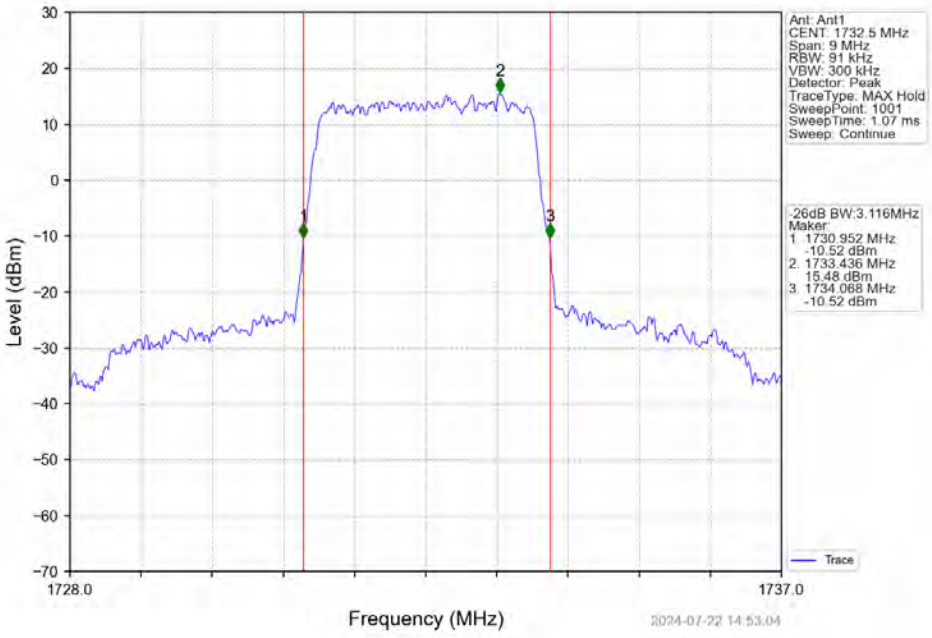
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



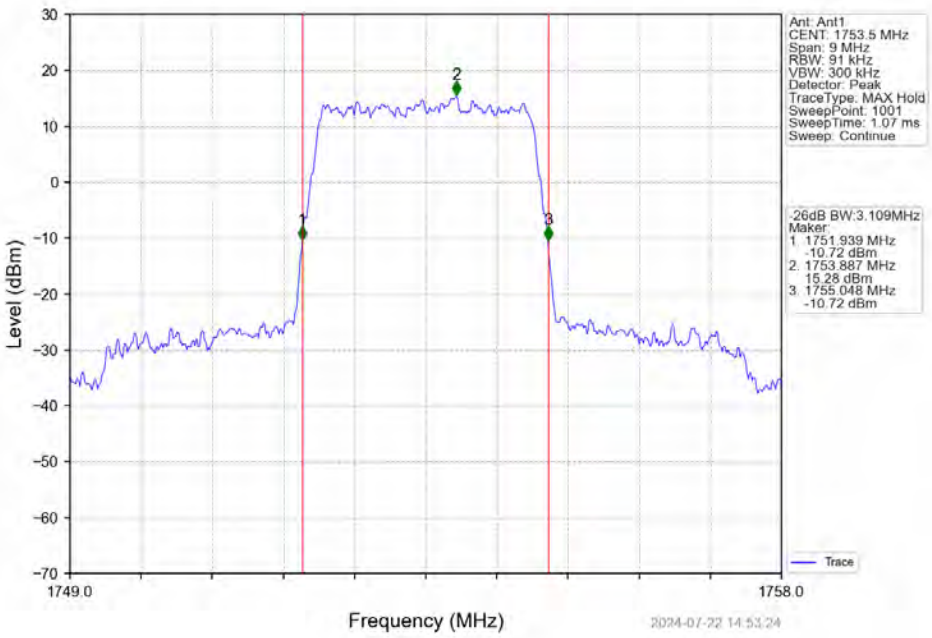
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



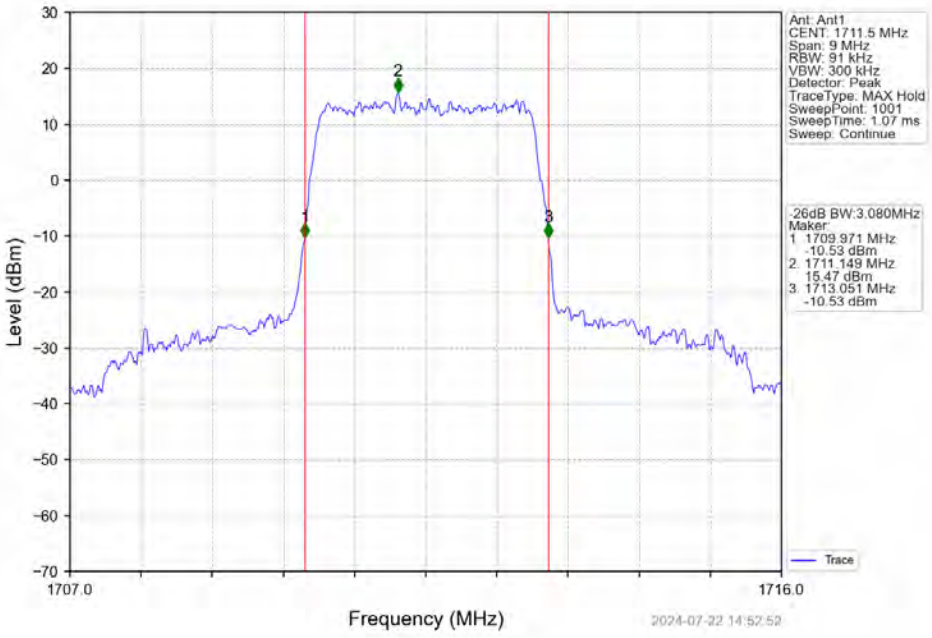
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



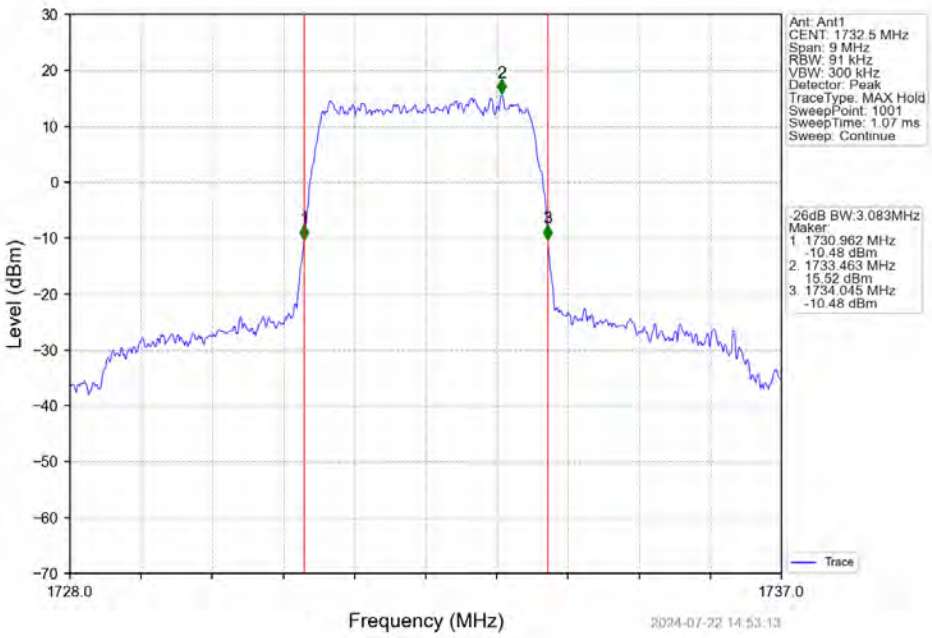
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



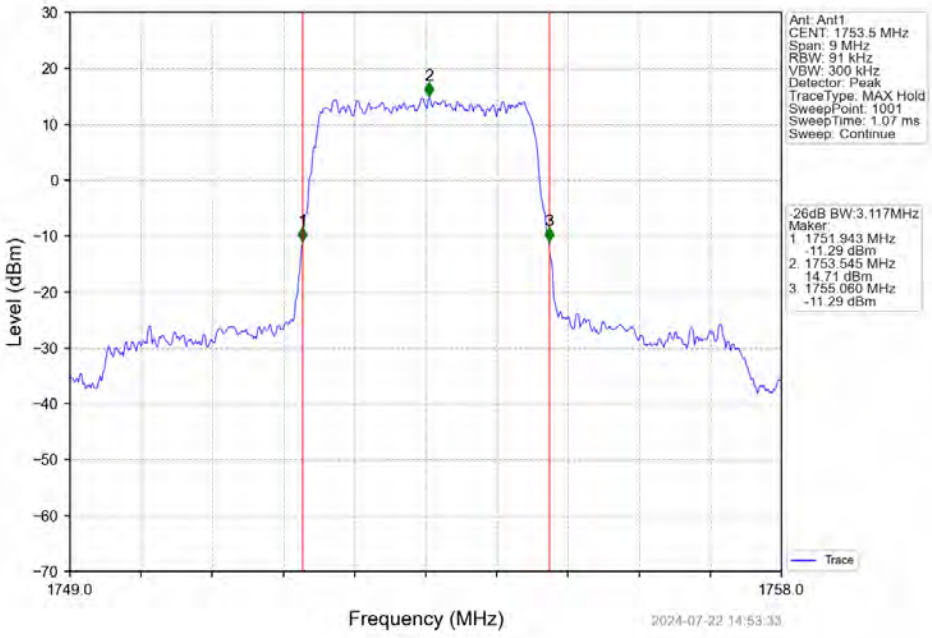
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



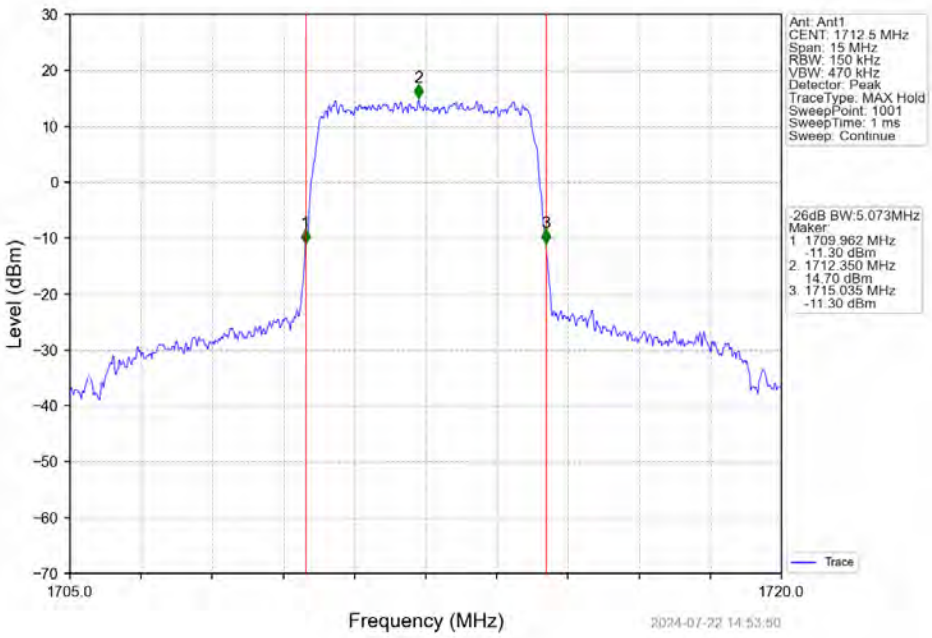
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



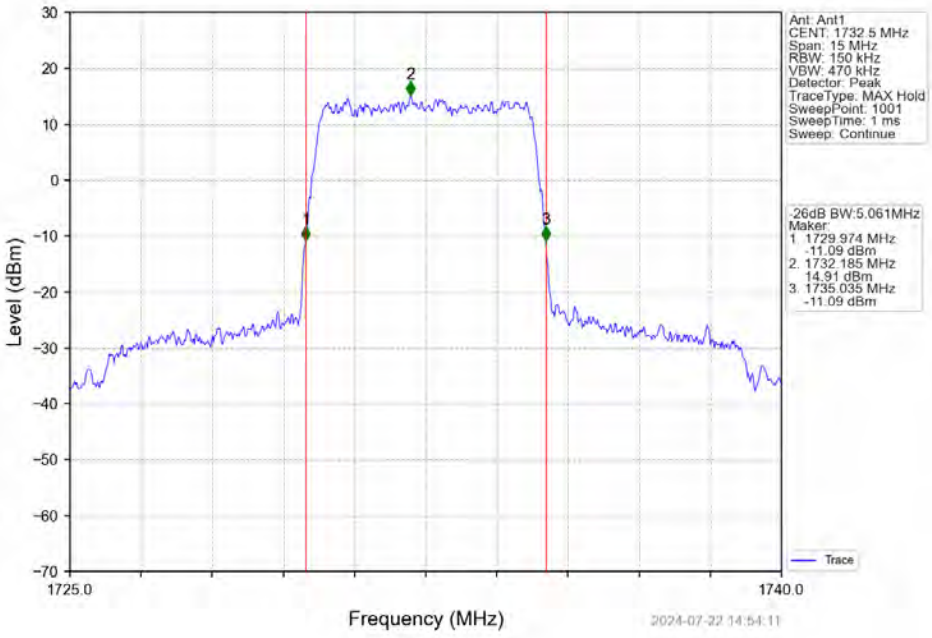
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



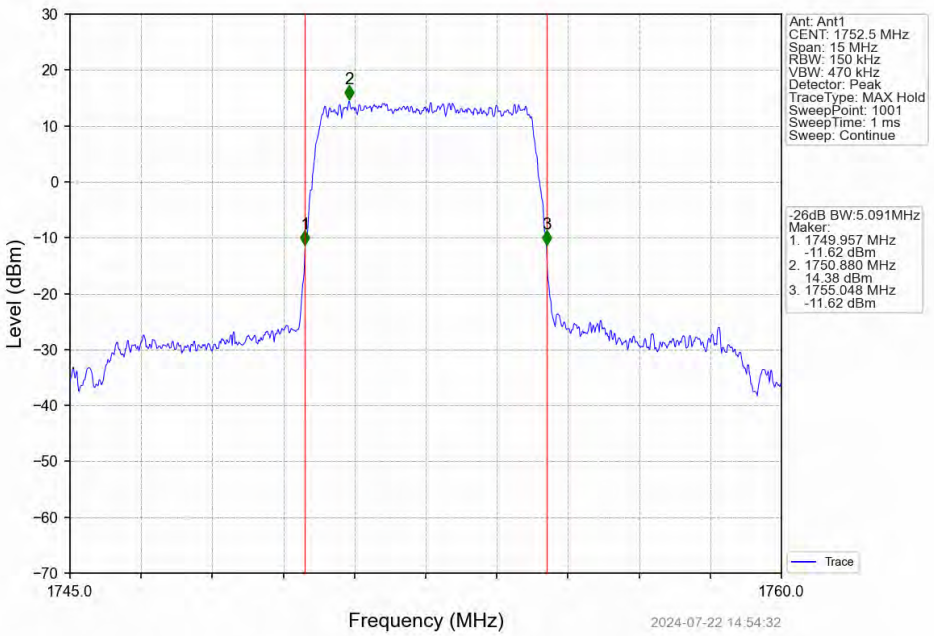
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



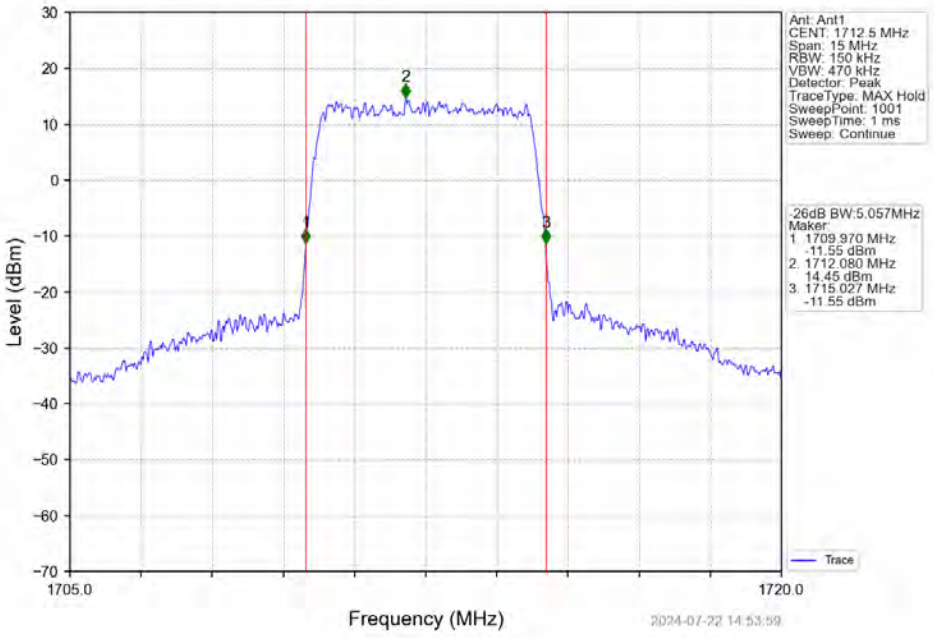
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



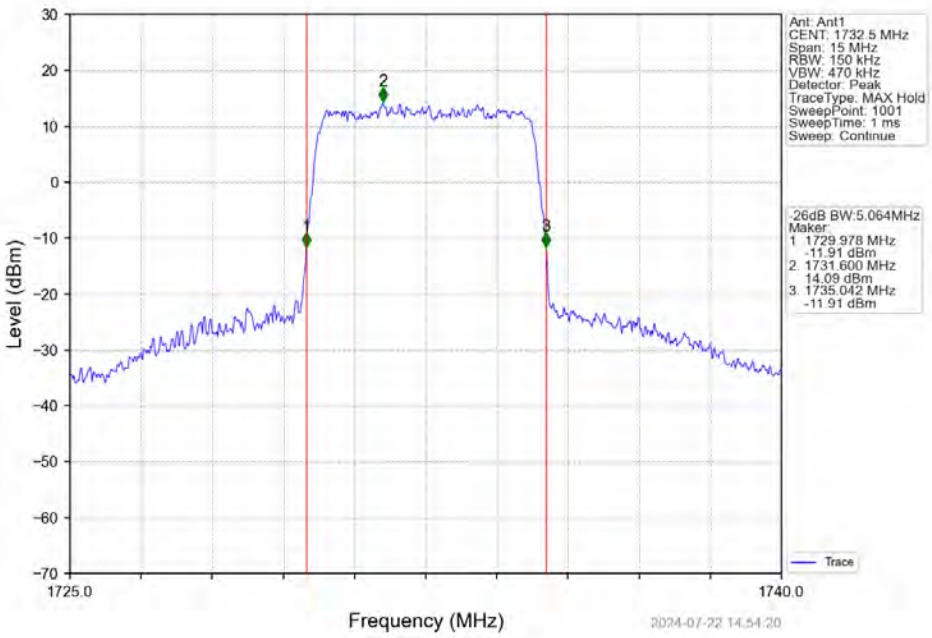
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



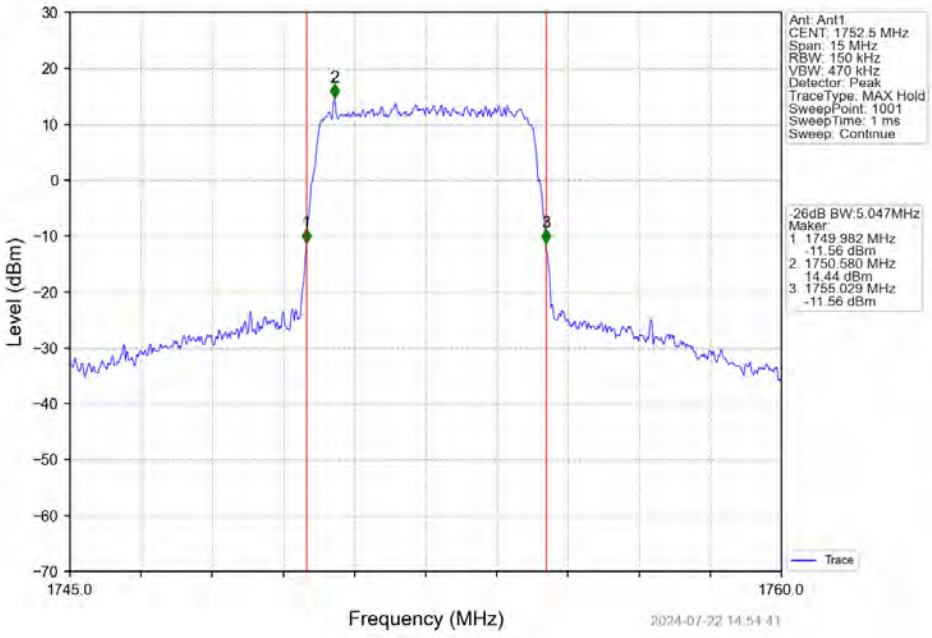
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



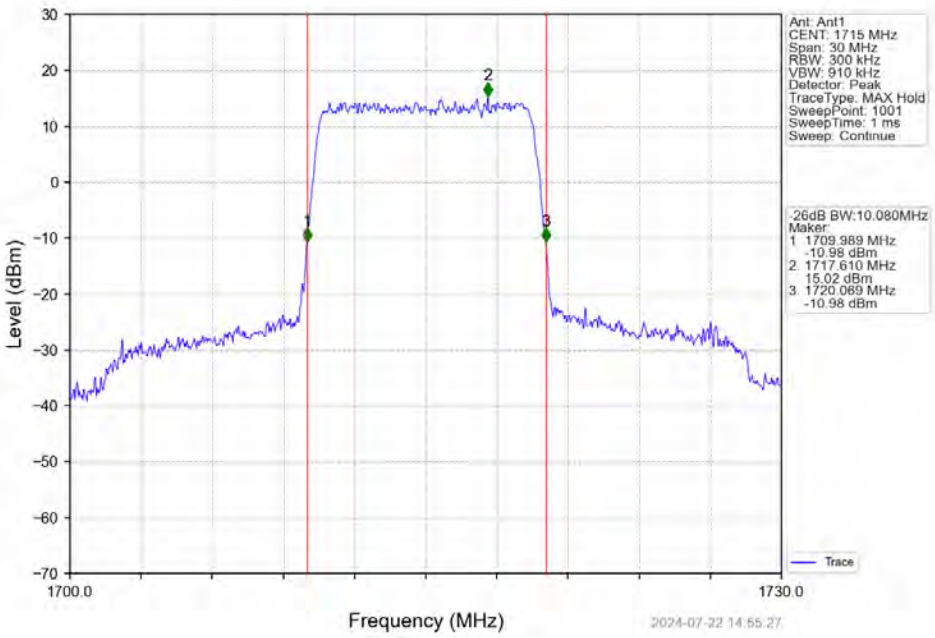
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



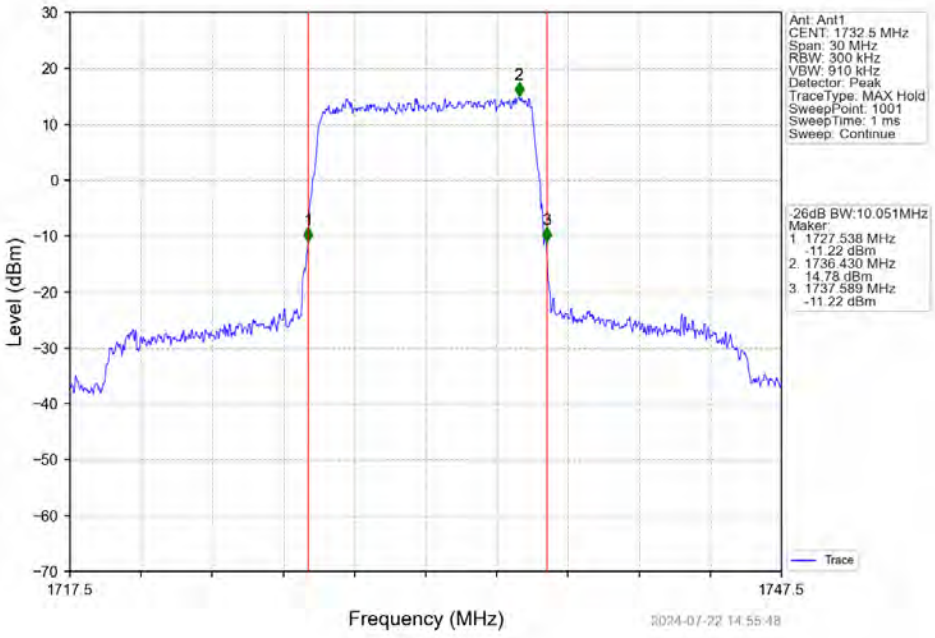
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



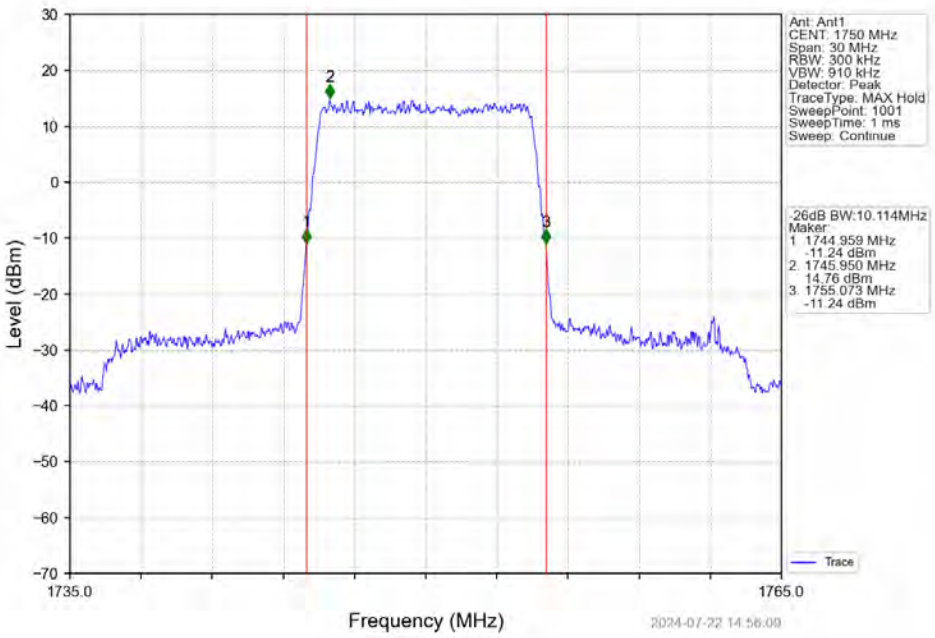
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



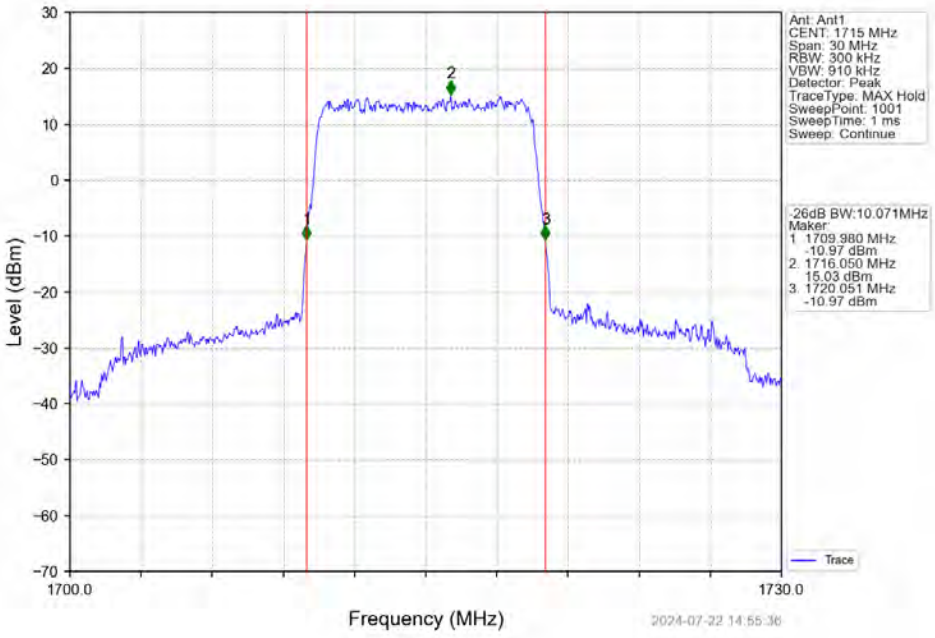
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



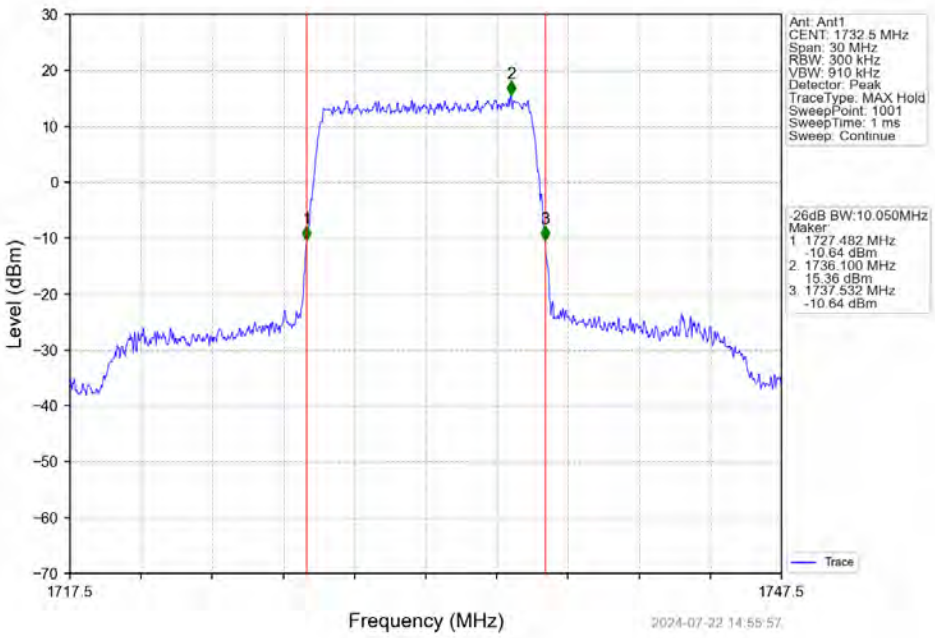
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



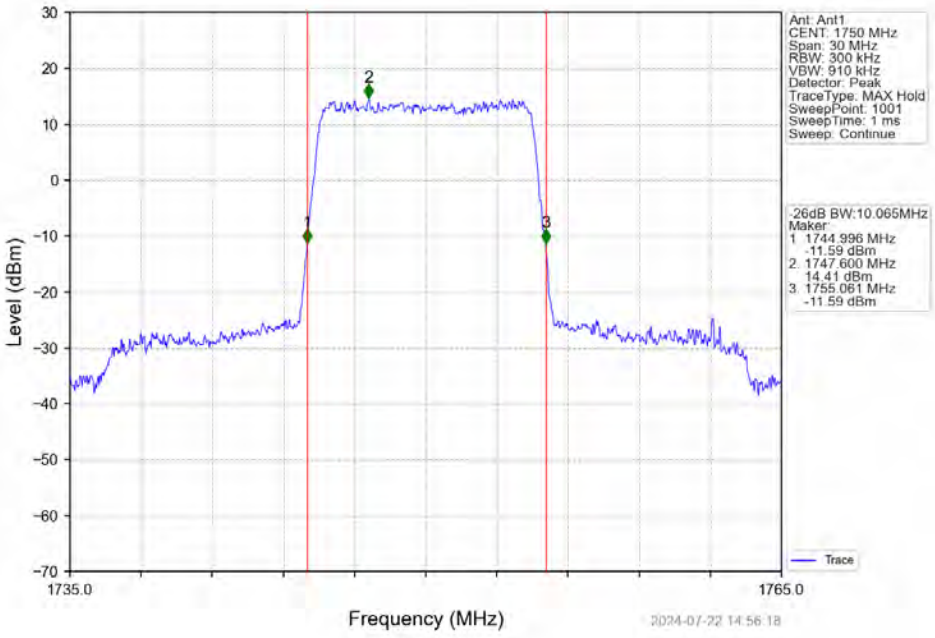
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



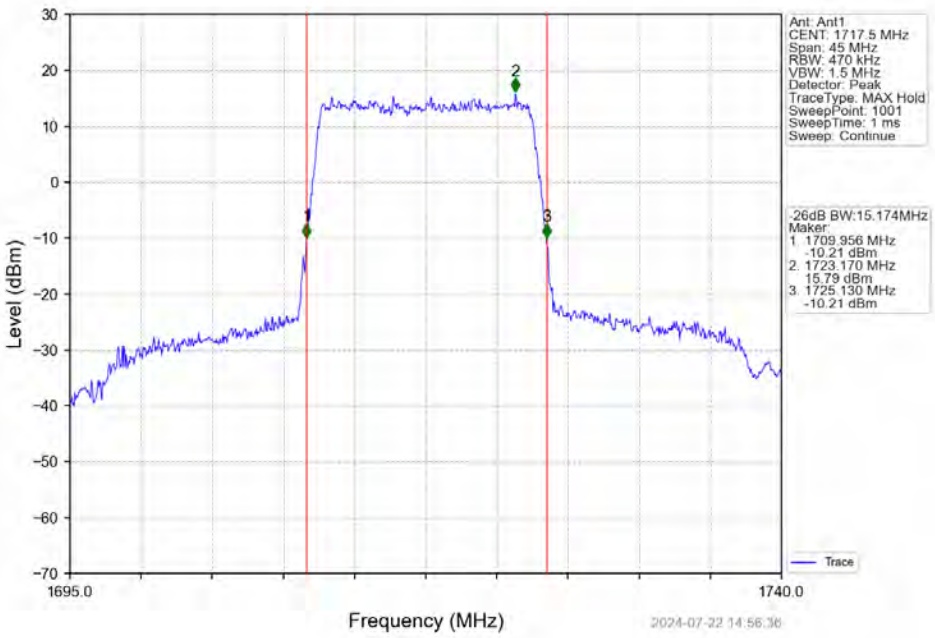
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



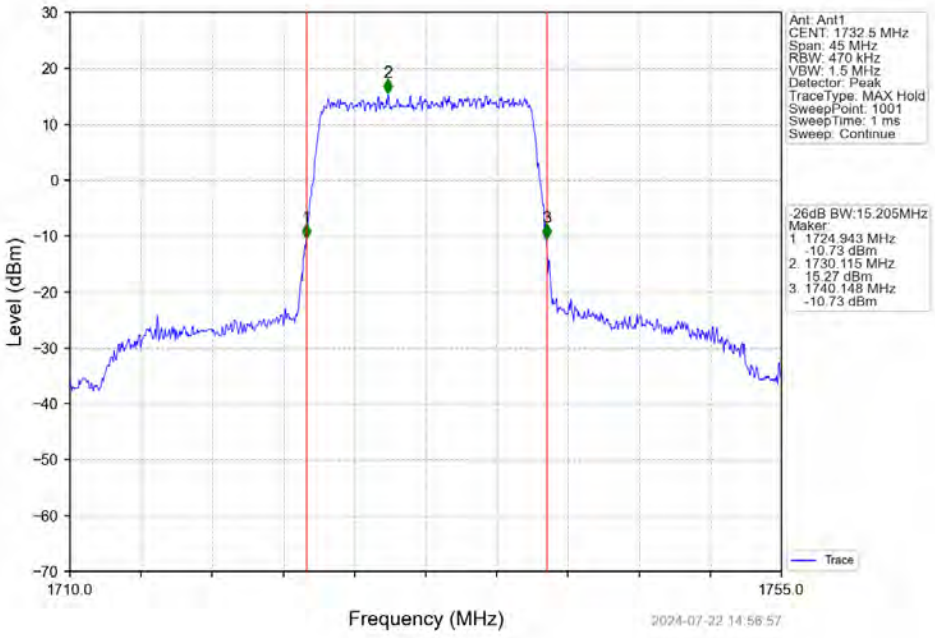
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



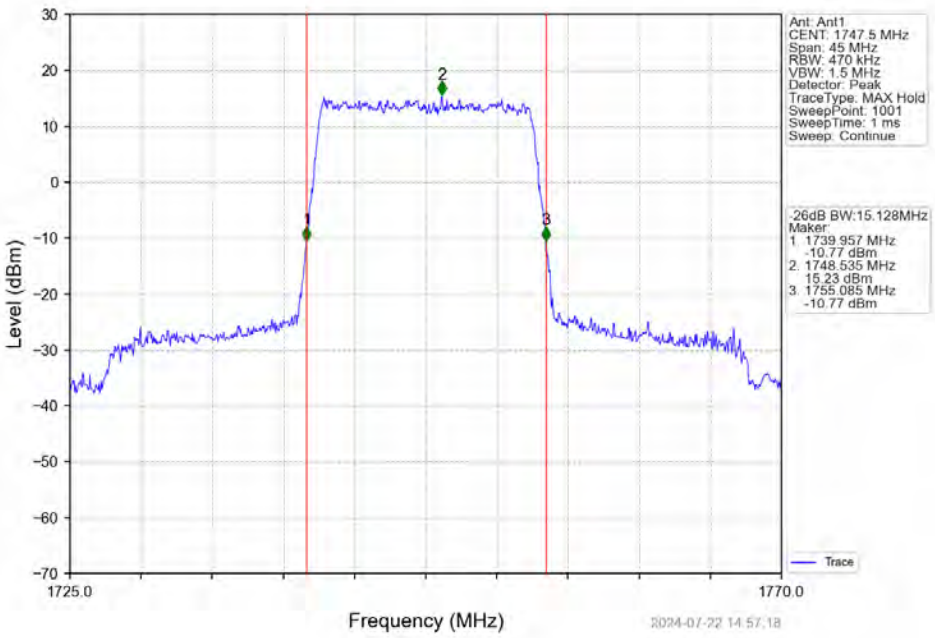
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



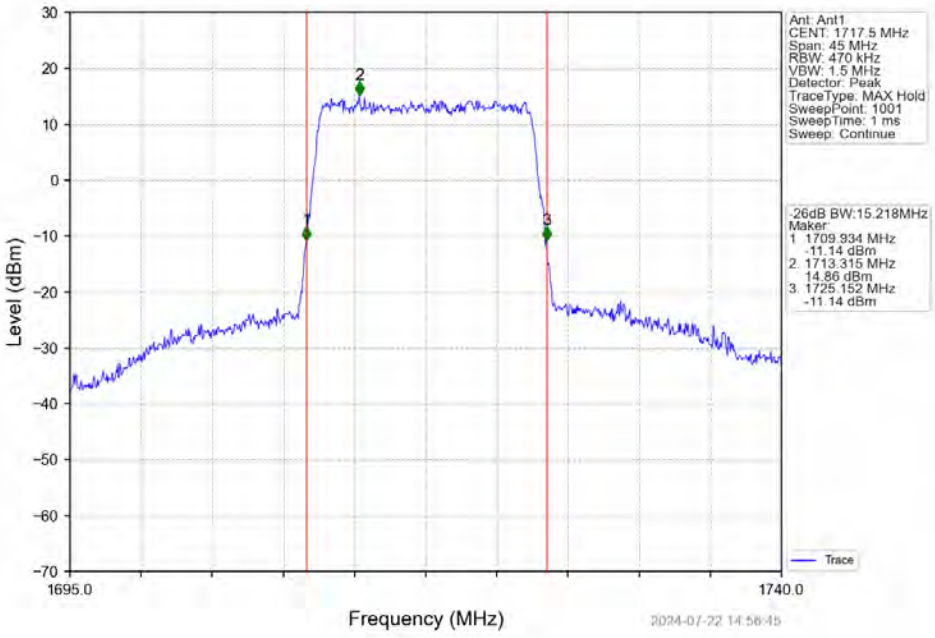
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



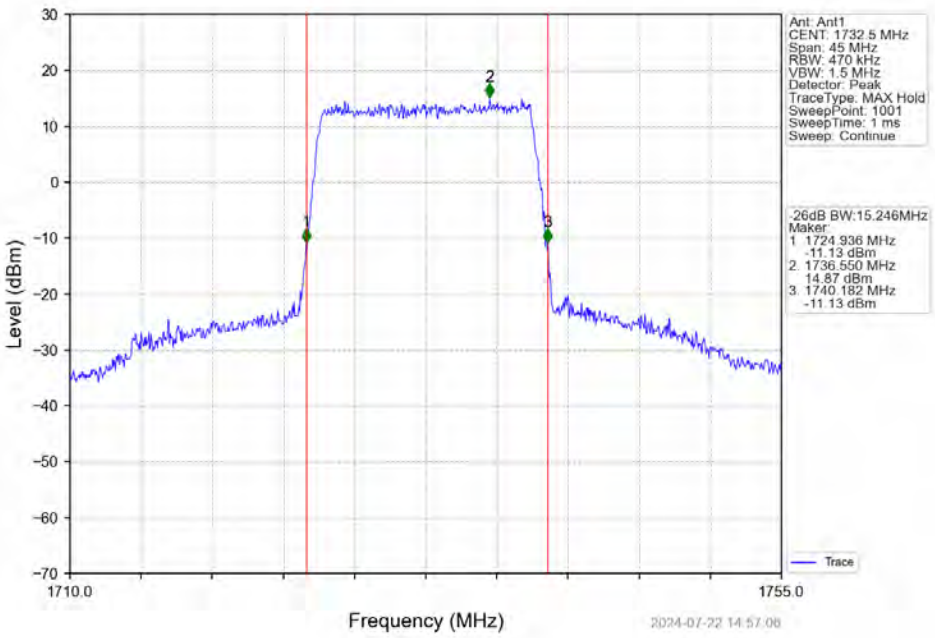
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



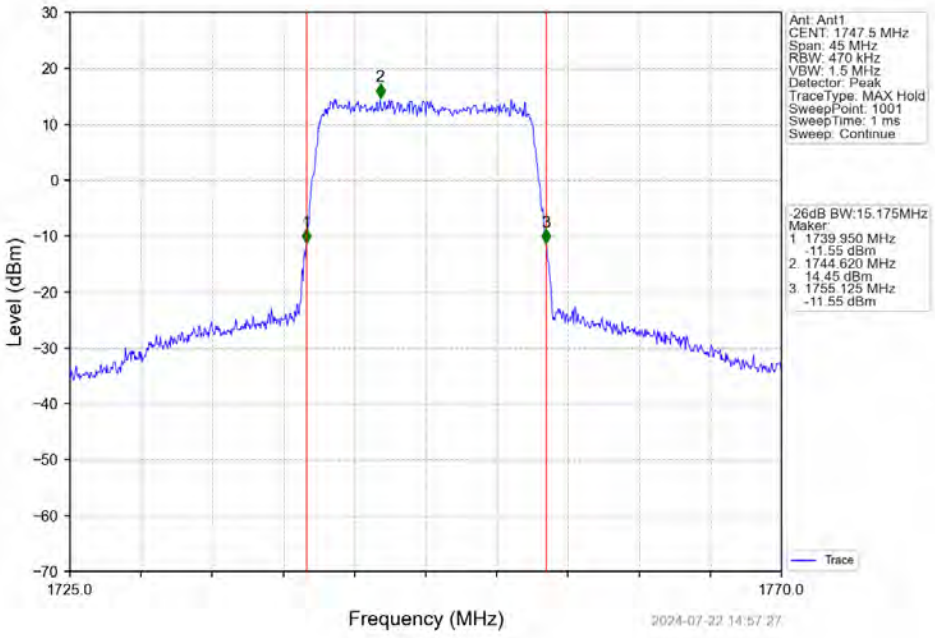
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



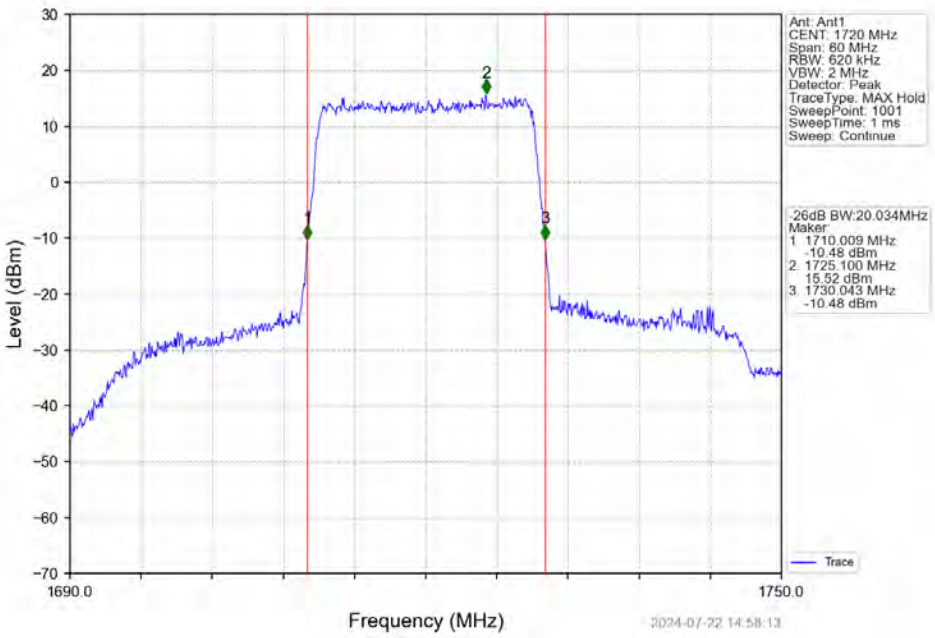
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



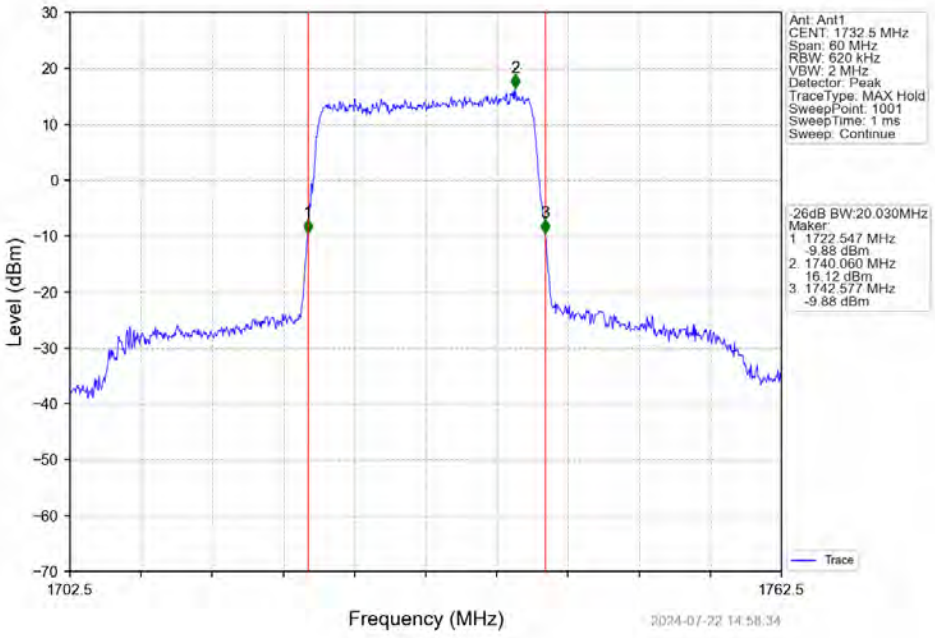
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



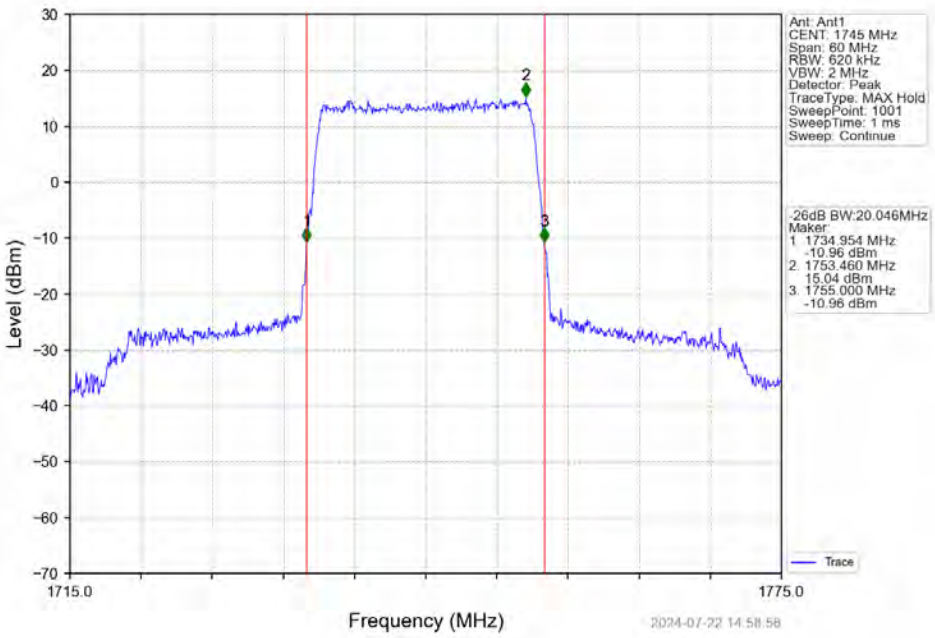
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



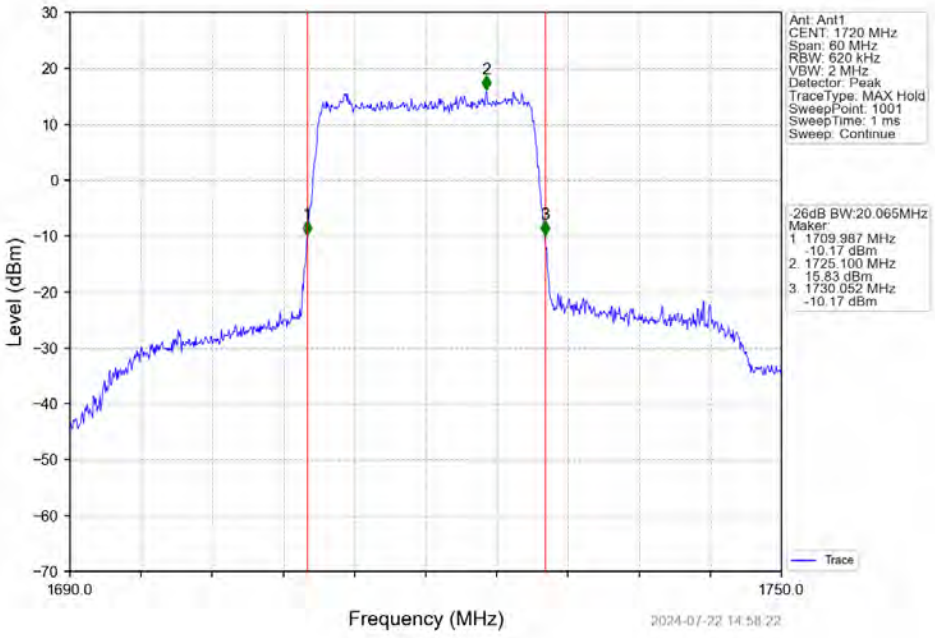
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



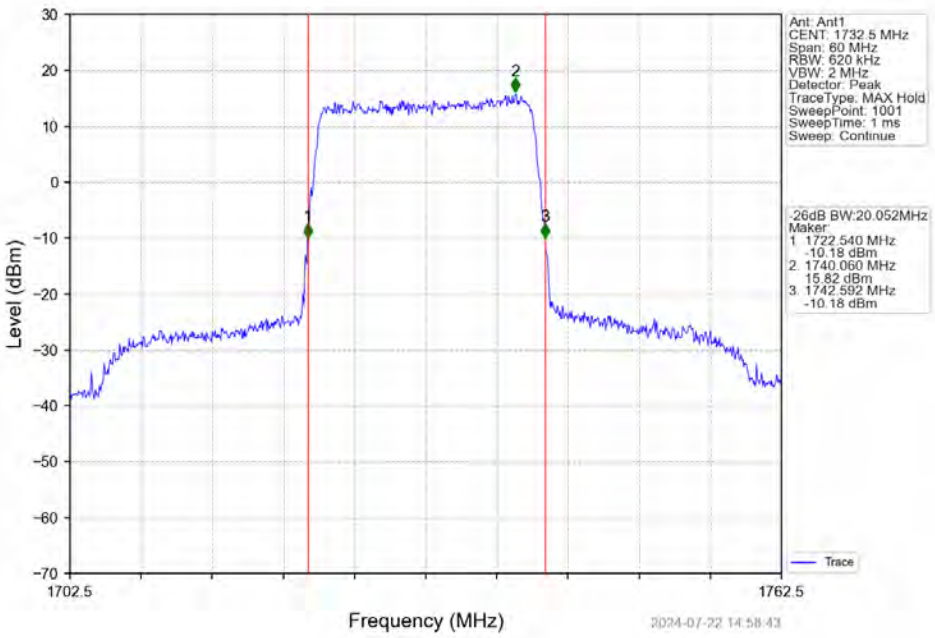
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



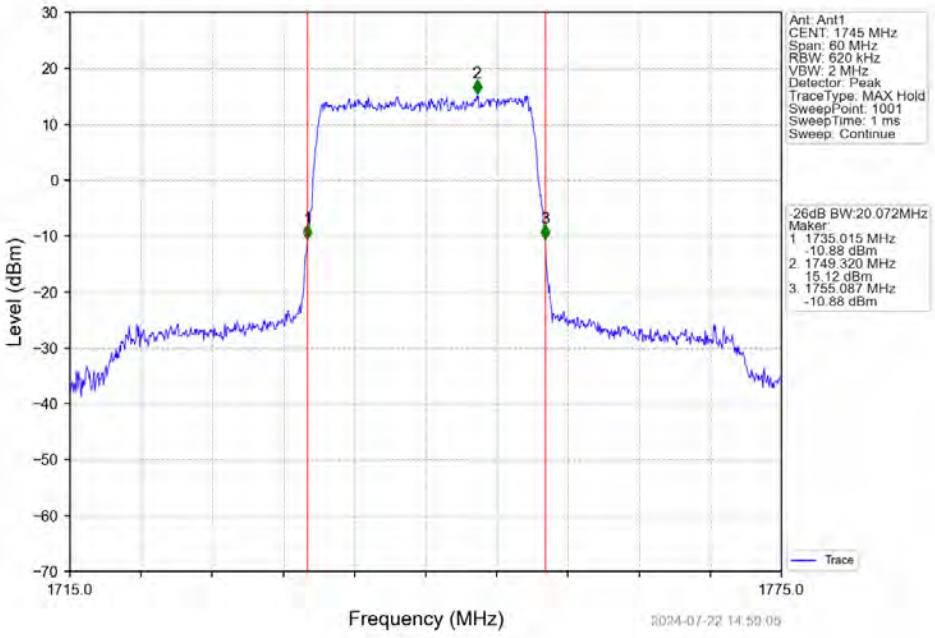
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.96	<=13	Pass
	1732.5	6	0	5.71	<=13	Pass
	1754.3	6	0	5.73	<=13	Pass
16QAM	1710.7	6	0	6.65	<=13	Pass
	1732.5	6	0	6.38	<=13	Pass
	1754.3	6	0	6.56	<=13	Pass

5.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.92	<=13	Pass
	1732.5	15	0	5.66	<=13	Pass
	1753.5	15	0	5.81	<=13	Pass
16QAM	1711.5	15	0	5.94	<=13	Pass
	1732.5	15	0	5.65	<=13	Pass
	1753.5	15	0	5.78	<=13	Pass

5.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.91	<=13	Pass
	1732.5	25	0	5.68	<=13	Pass
	1752.5	25	0	5.78	<=13	Pass
16QAM	1712.5	25	0	6.59	<=13	Pass
	1732.5	25	0	6.45	<=13	Pass
	1752.5	25	0	6.47	<=13	Pass

5.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.89	<=13	Pass
	1732.5	50	0	5.74	<=13	Pass
	1750	50	0	5.76	<=13	Pass
16QAM	1715	50	0	5.92	<=13	Pass
	1732.5	50	0	5.76	<=13	Pass

	1750	50	0	5.76	<=13	Pass

5.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	6.28	<=13	Pass
	1732.5	75	0	6.04	<=13	Pass
	1747.5	75	0	6.02	<=13	Pass
16QAM	1717.5	75	0	6.68	<=13	Pass
	1732.5	75	0	6.48	<=13	Pass
	1747.5	75	0	6.47	<=13	Pass

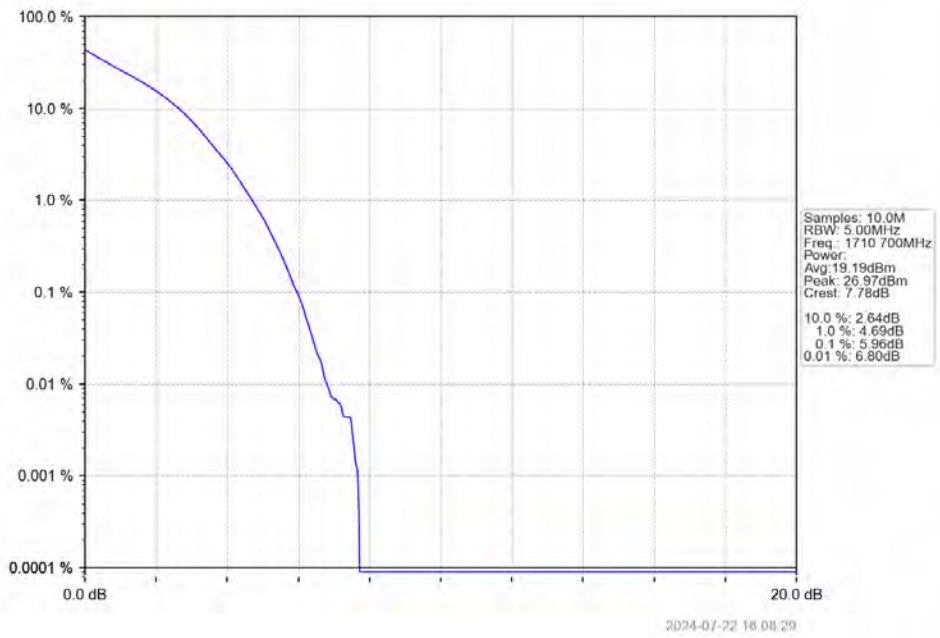
5.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.98	<=13	Pass
	1732.5	100	0	5.81	<=13	Pass
	1745	100	0	5.75	<=13	Pass
16QAM	1720	100	0	6.61	<=13	Pass
	1732.5	100	0	6.49	<=13	Pass
	1745	100	0	6.44	<=13	Pass

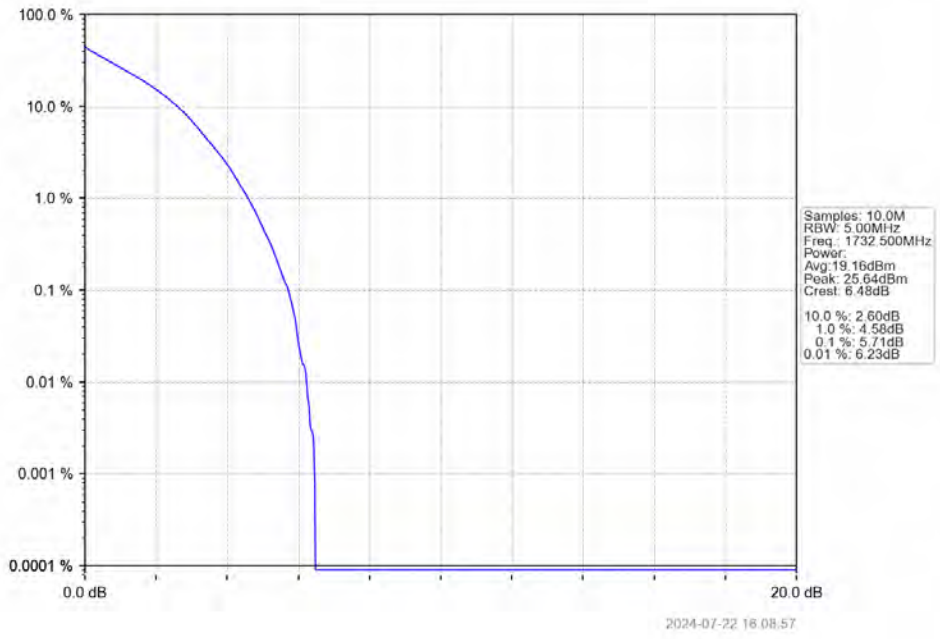
5.2 Test Graph

5.2.1 B4_1.4MHz

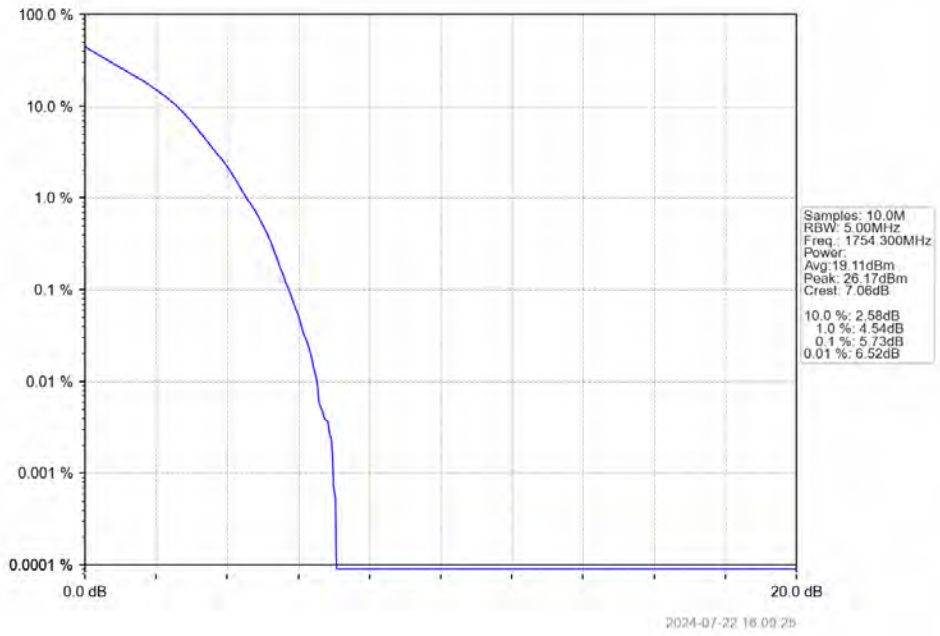
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



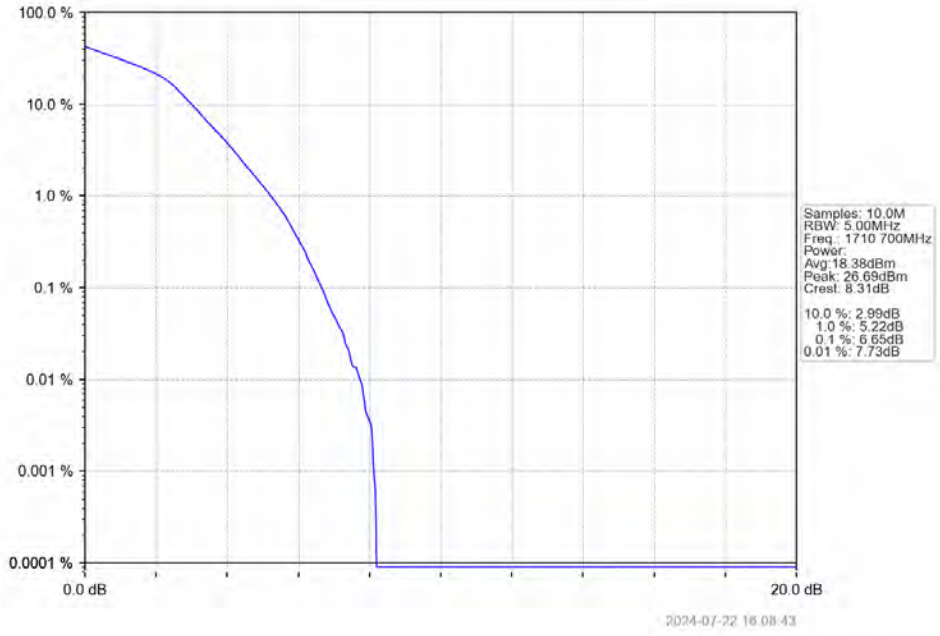
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



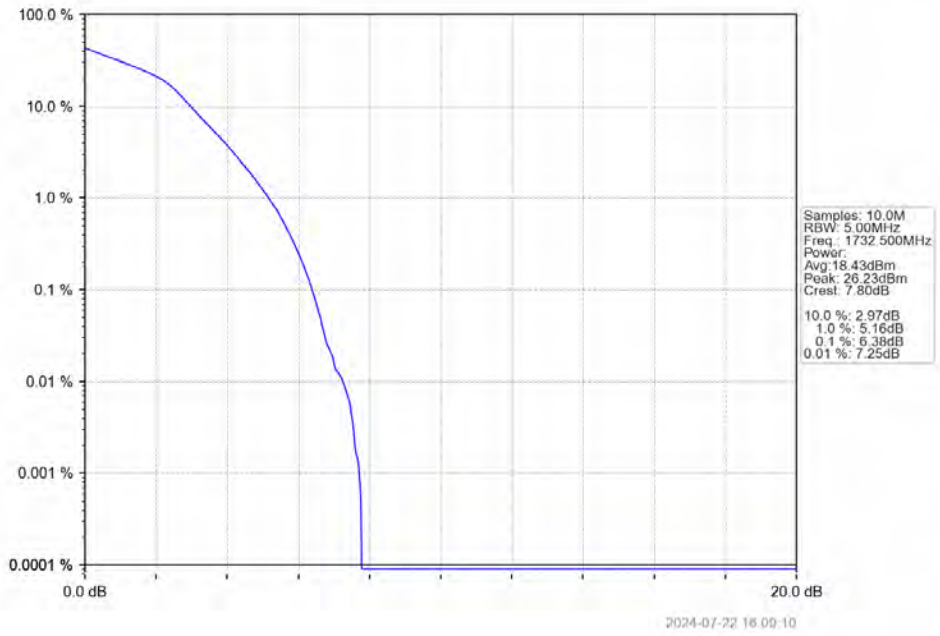
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



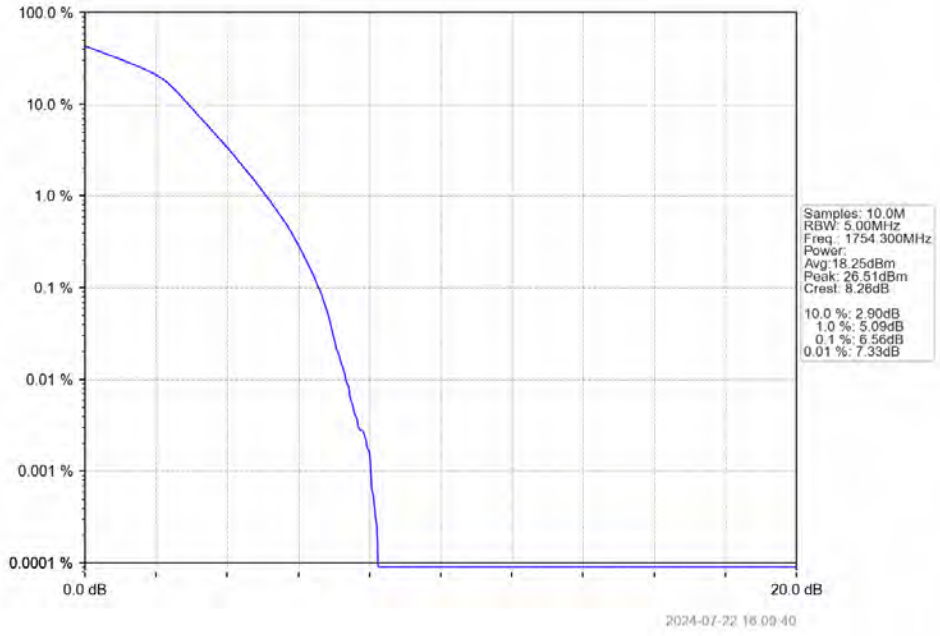
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



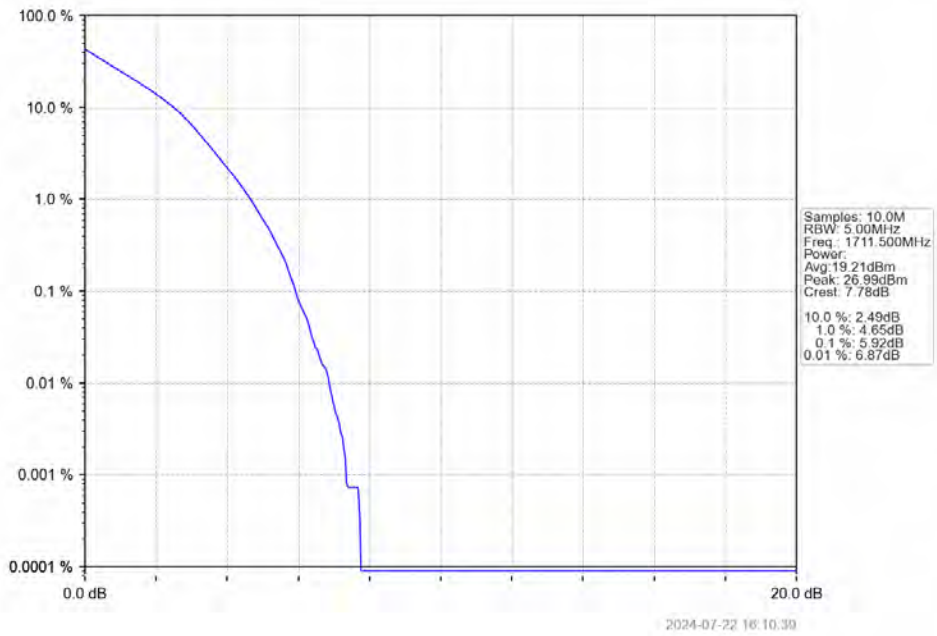
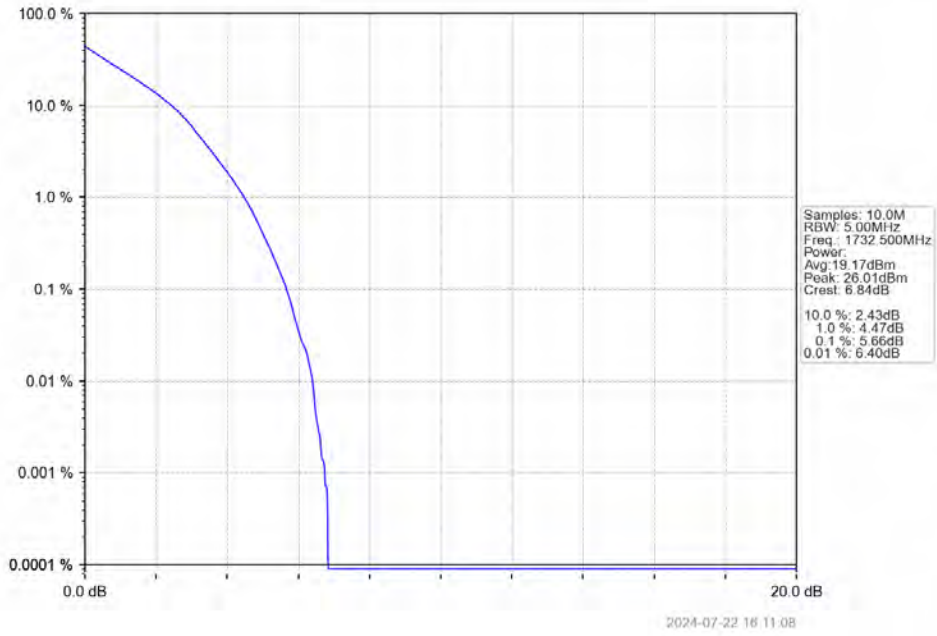
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



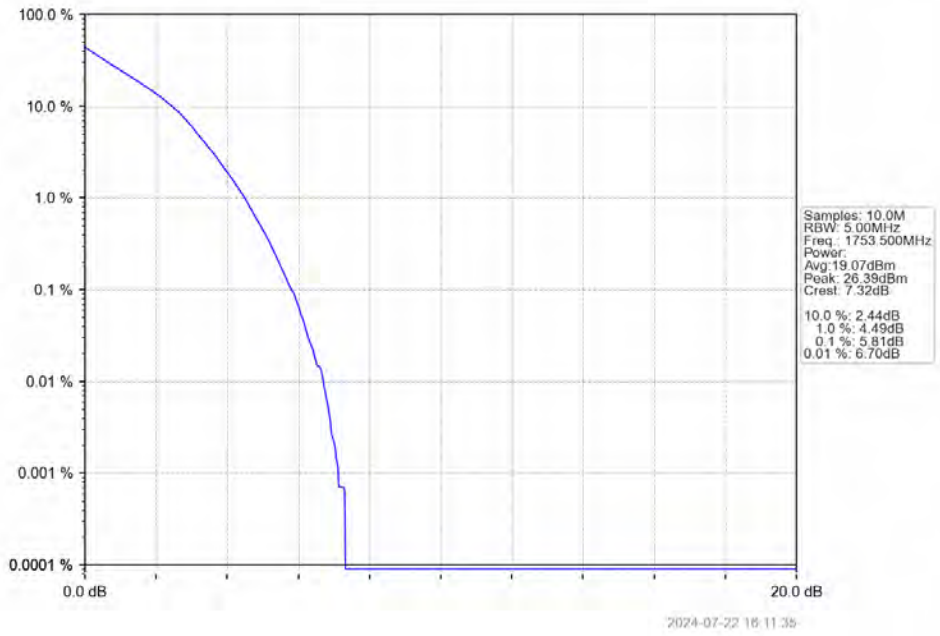
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



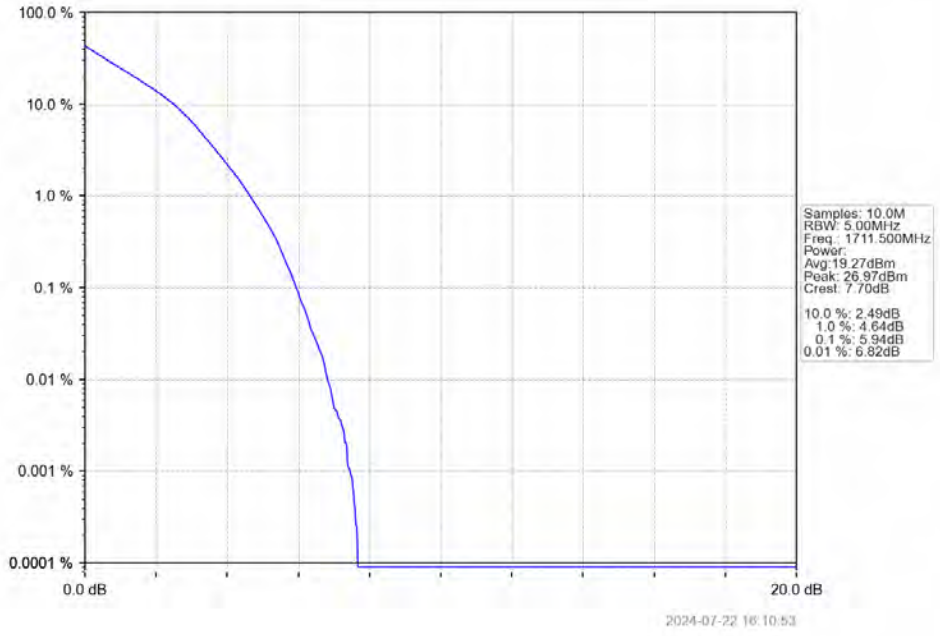
5.2.2 B4_3MHz

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV


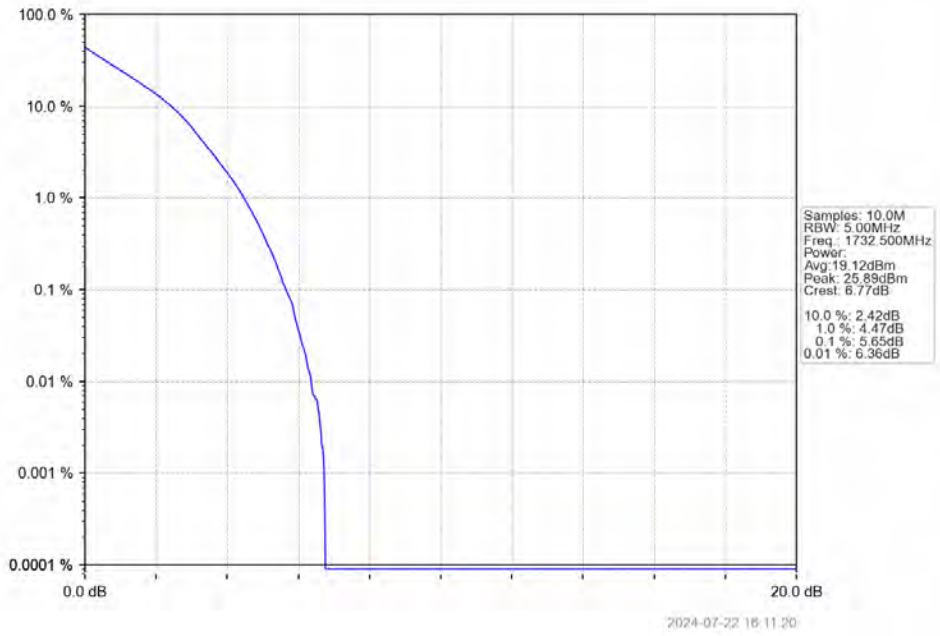
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



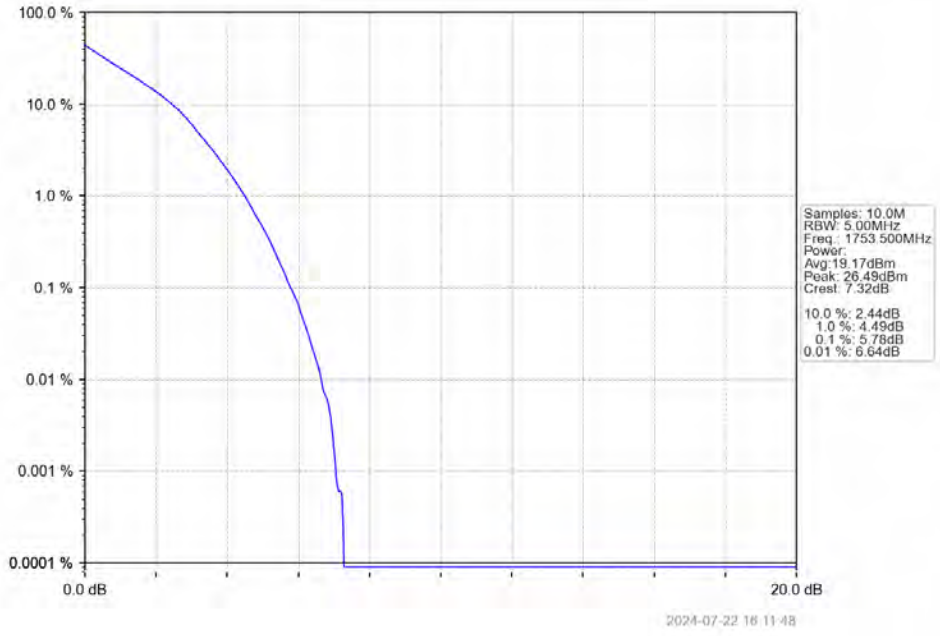
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



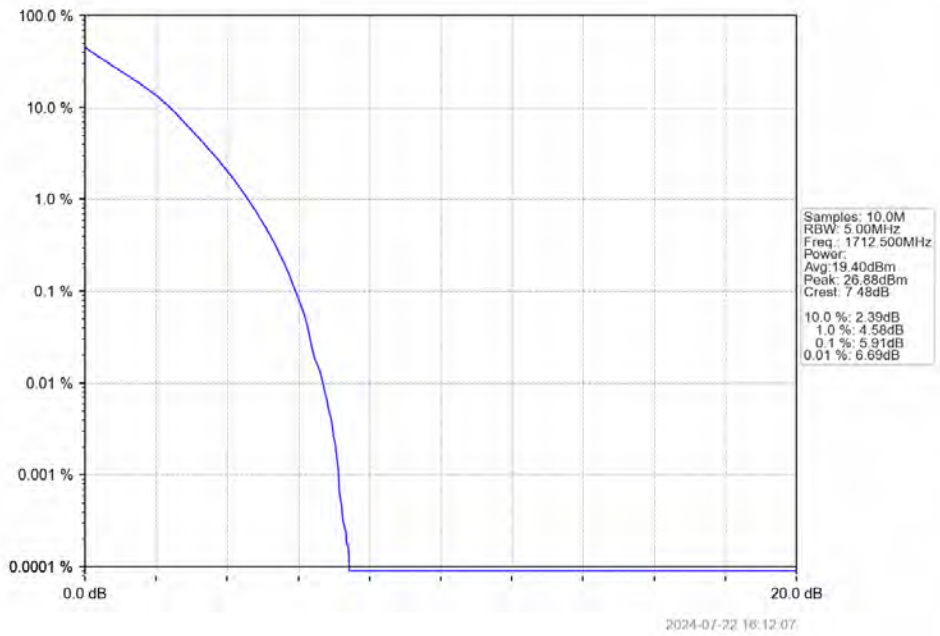
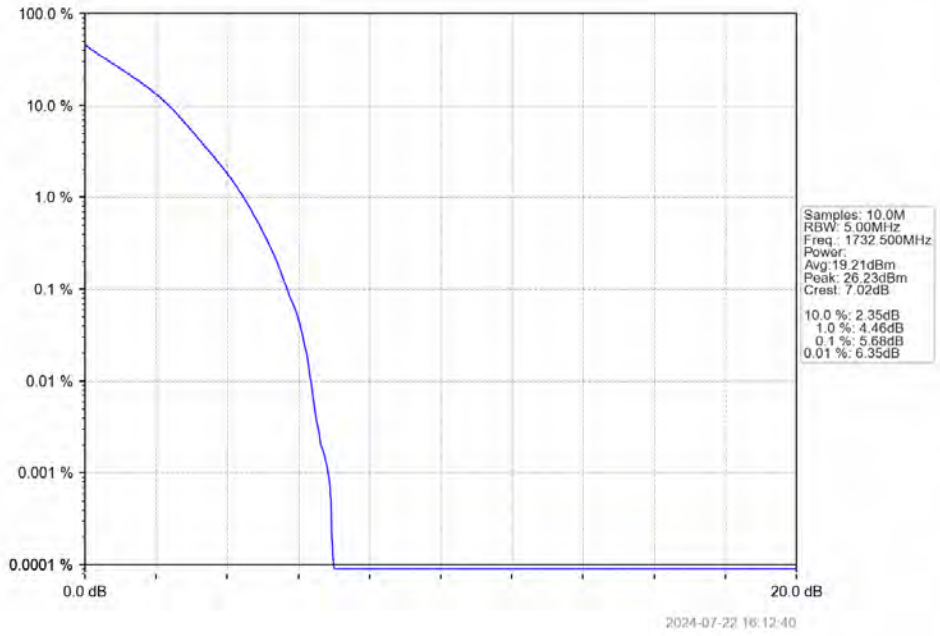
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



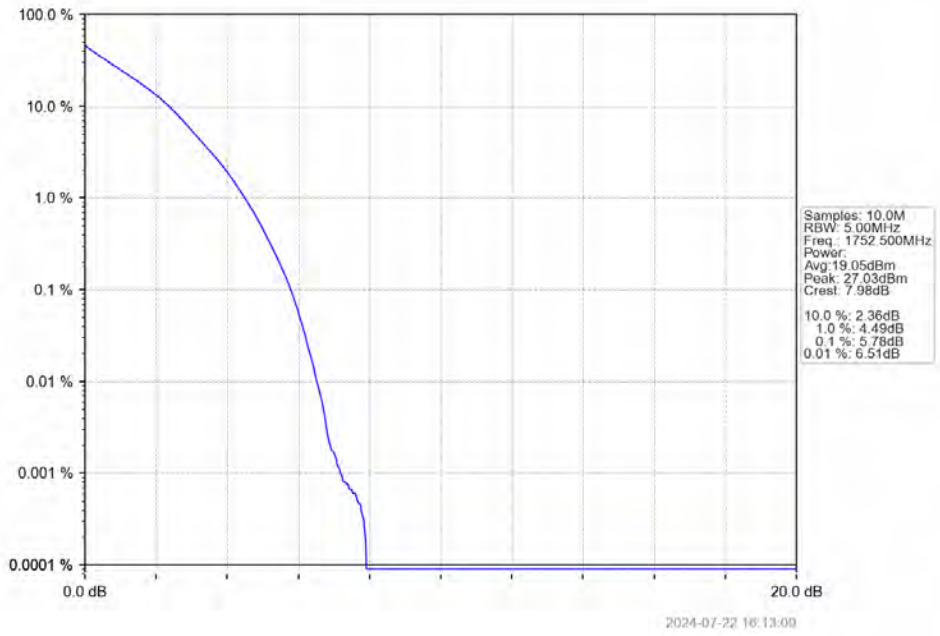
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



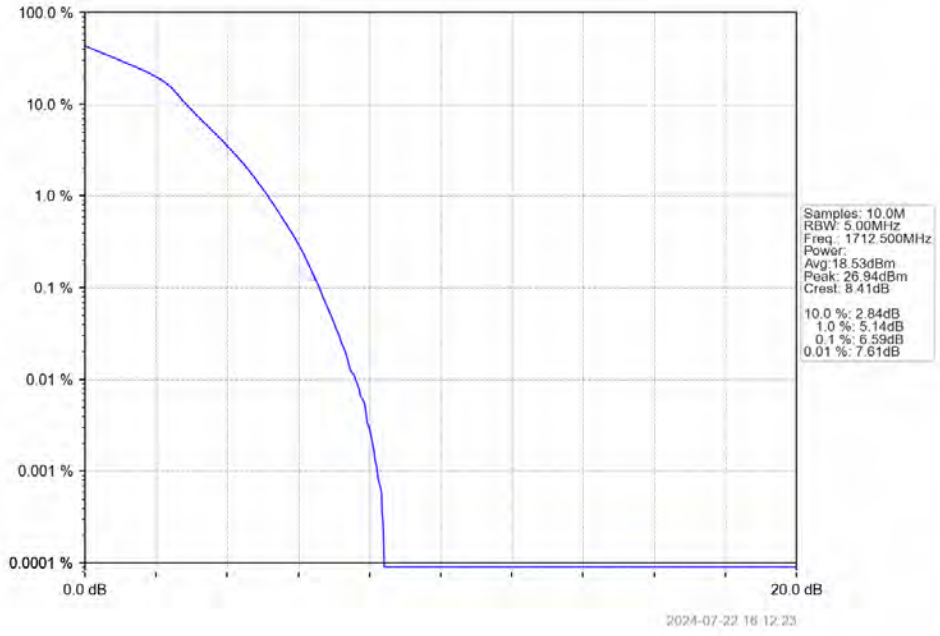
5.2.3 B4_5MHz

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV


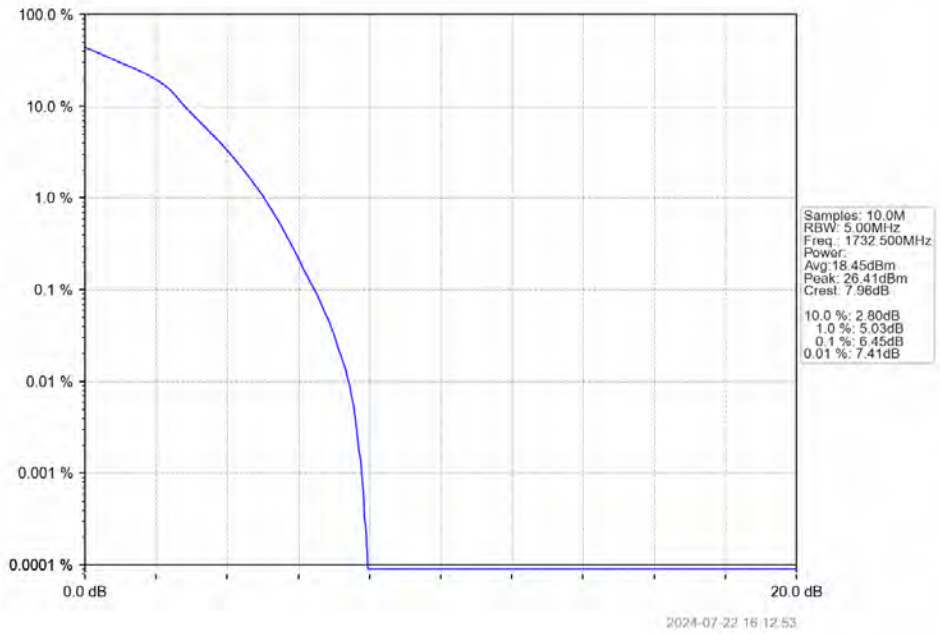
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



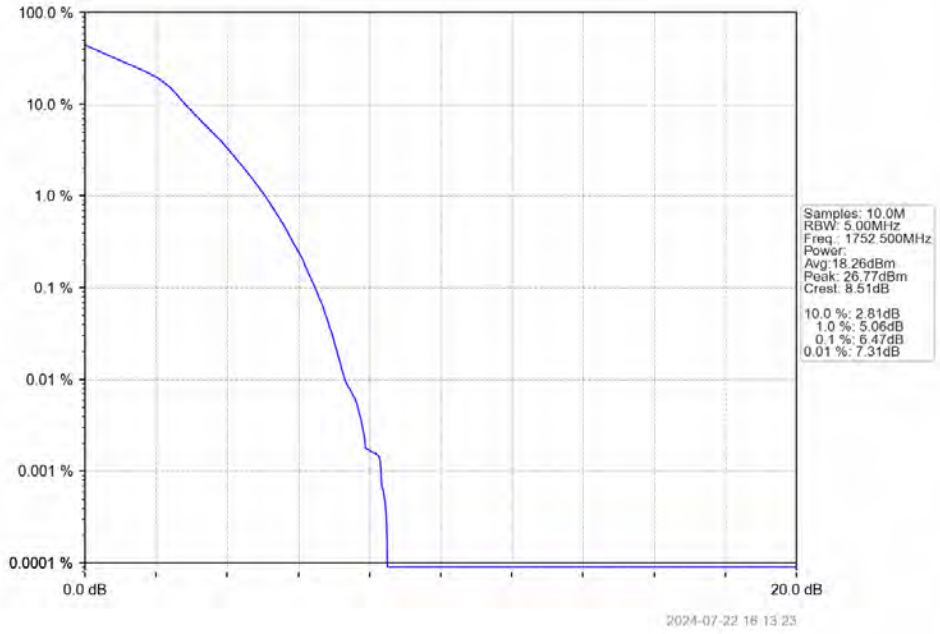
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



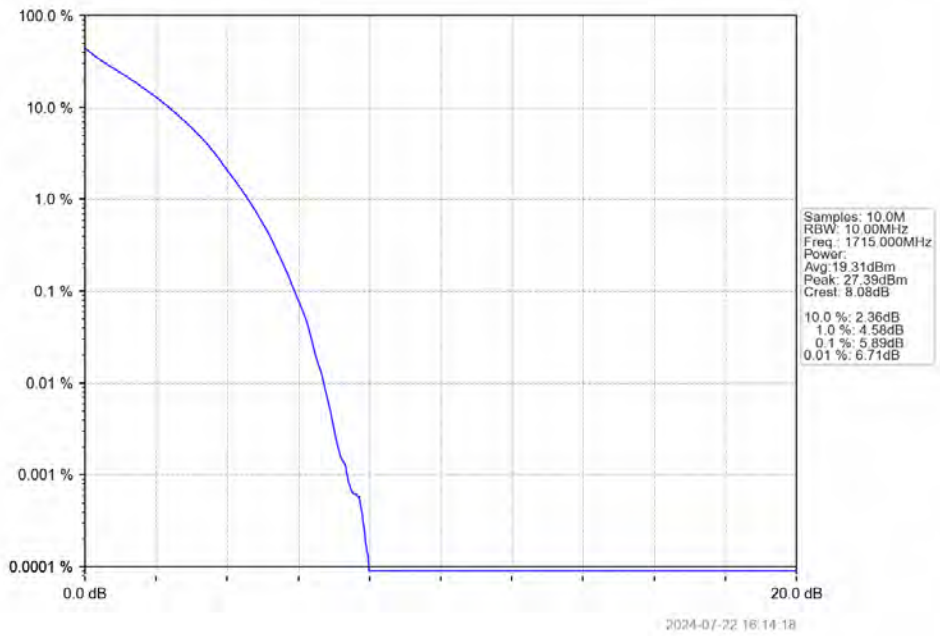
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



5.2.4 B4_10MHz

Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

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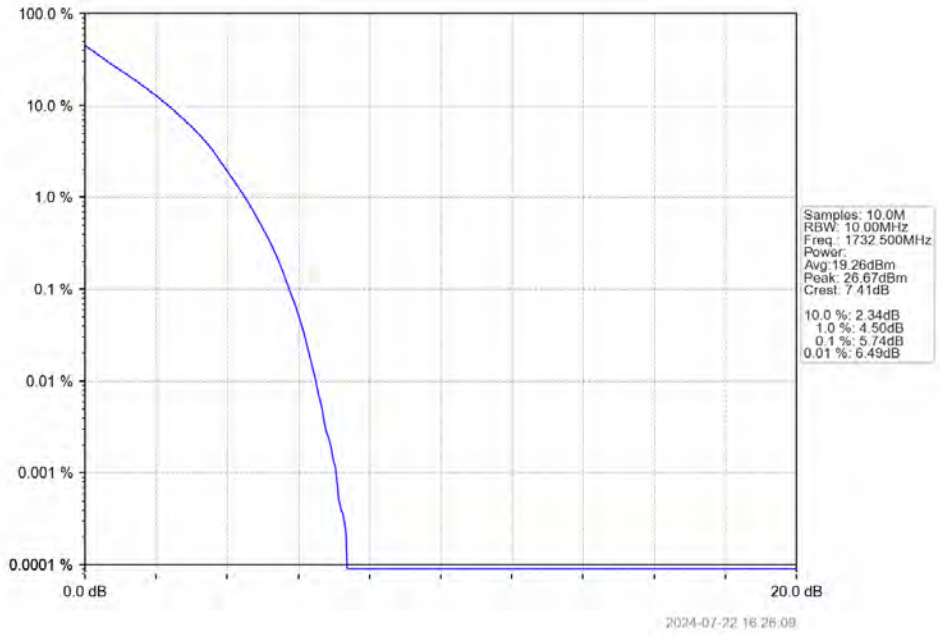
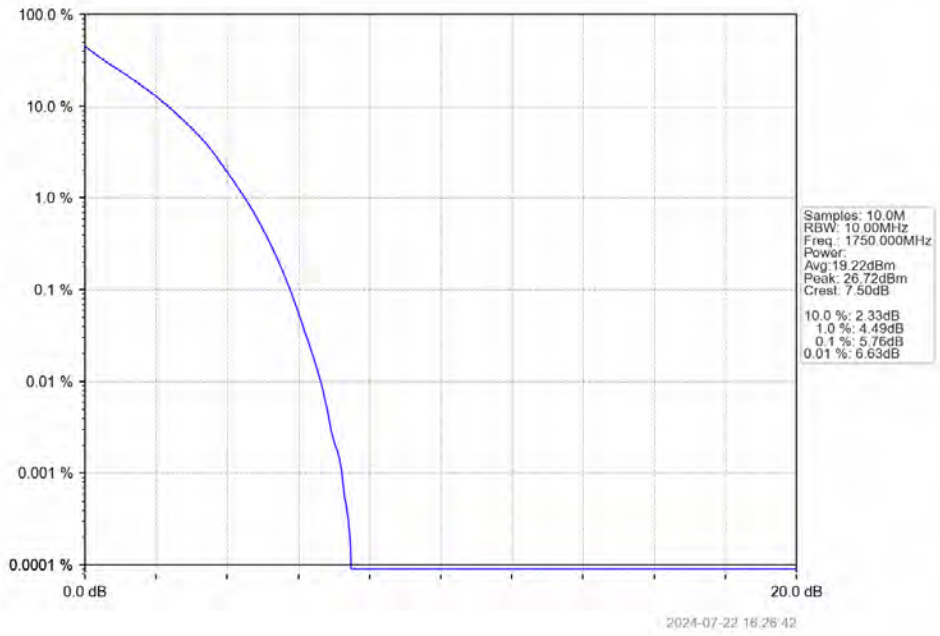
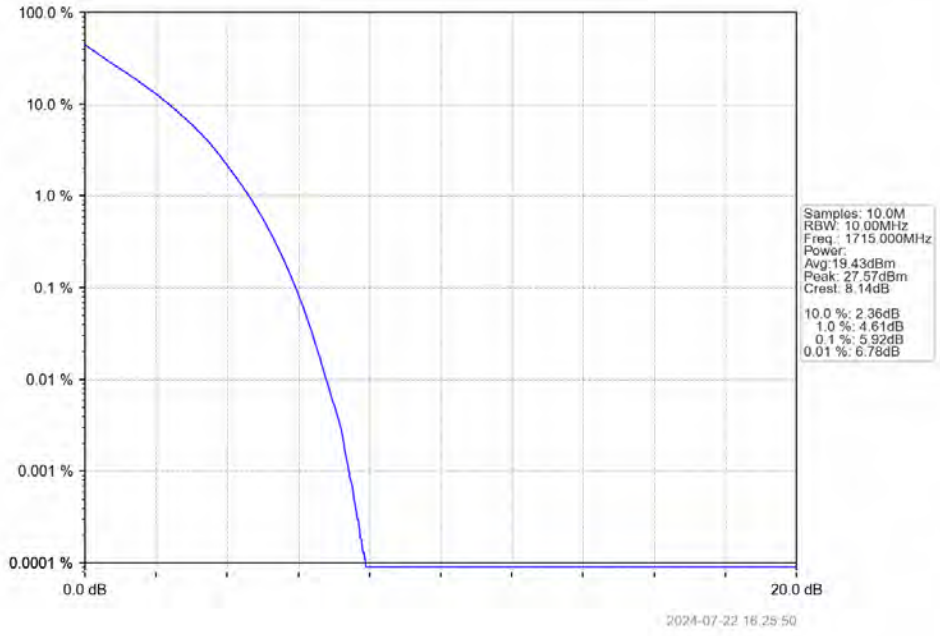


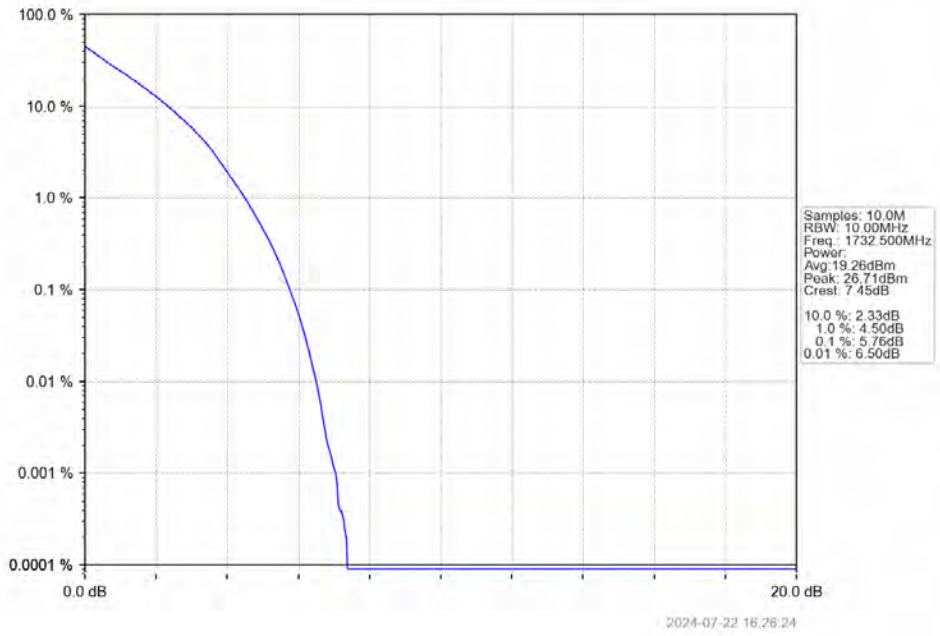
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



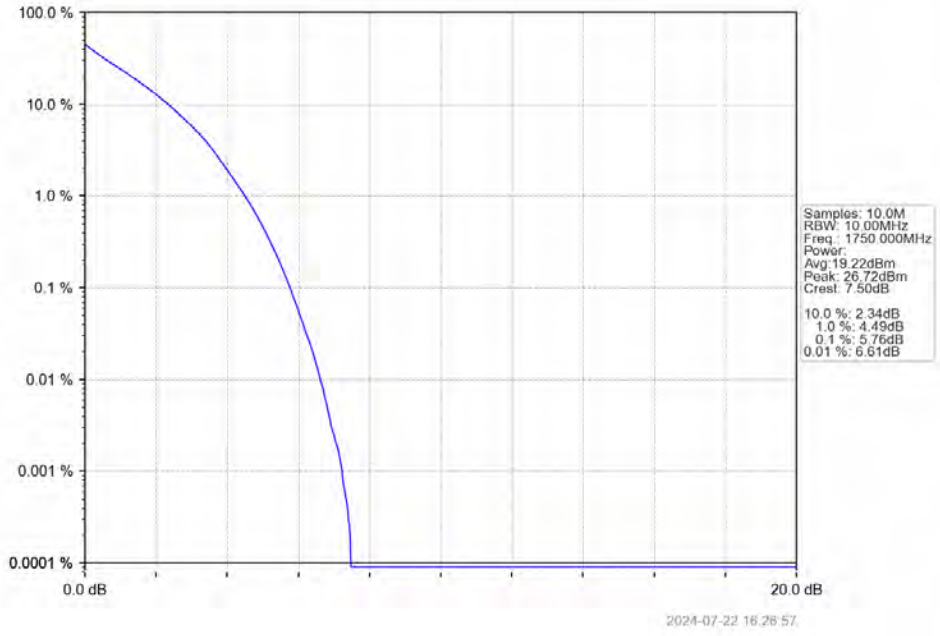
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



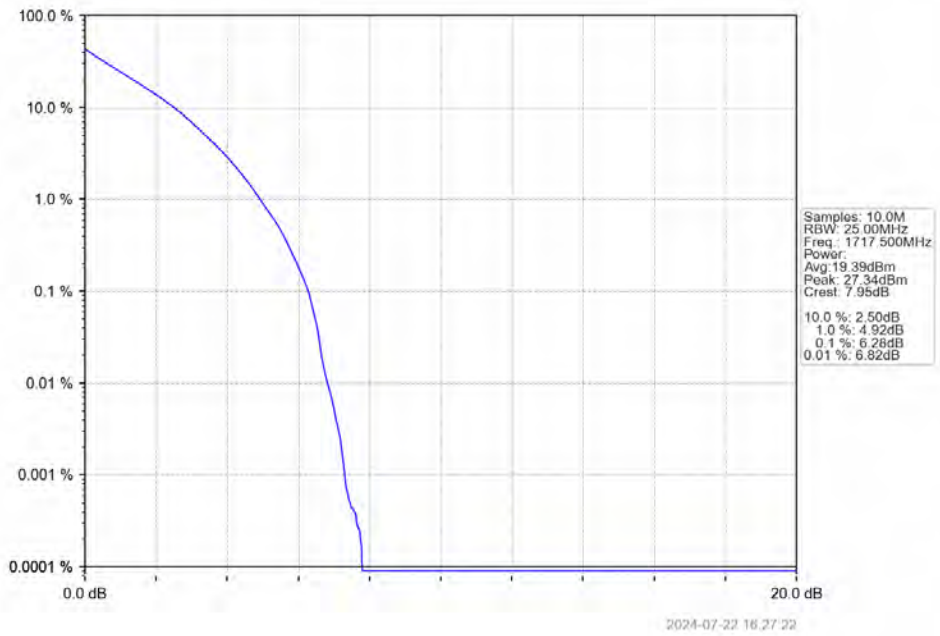
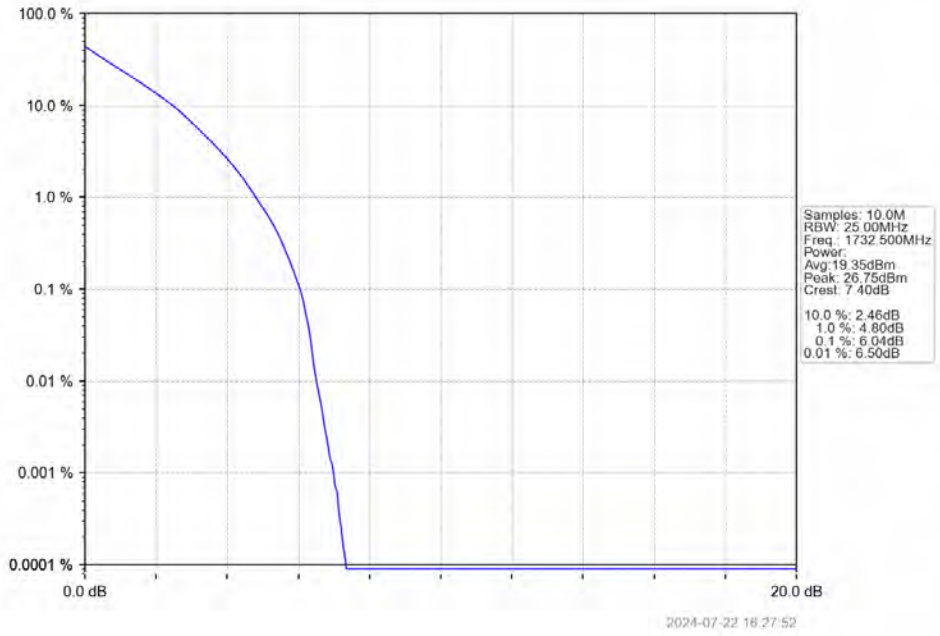
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



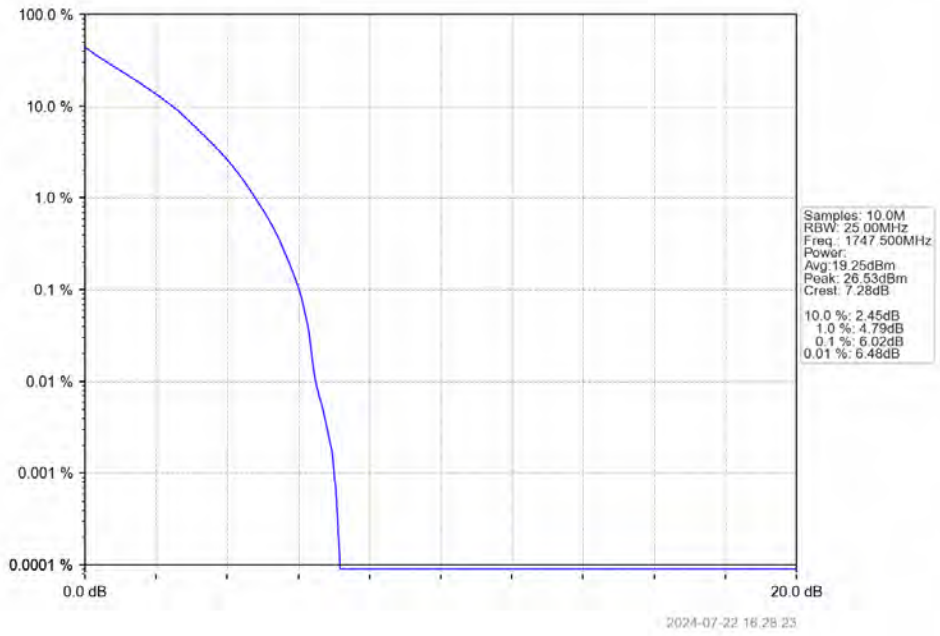
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



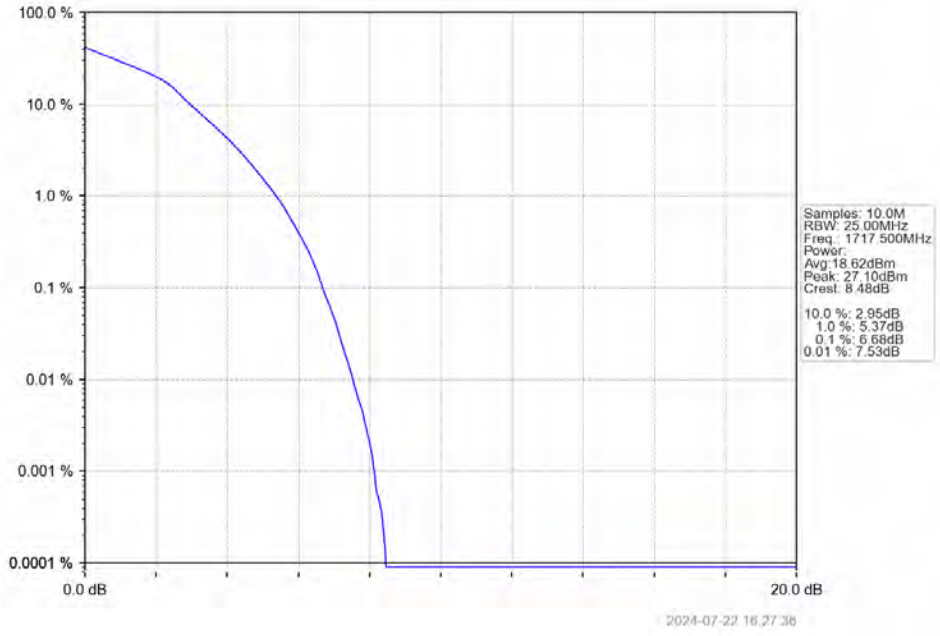
5.2.5 B4_15MHz

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV


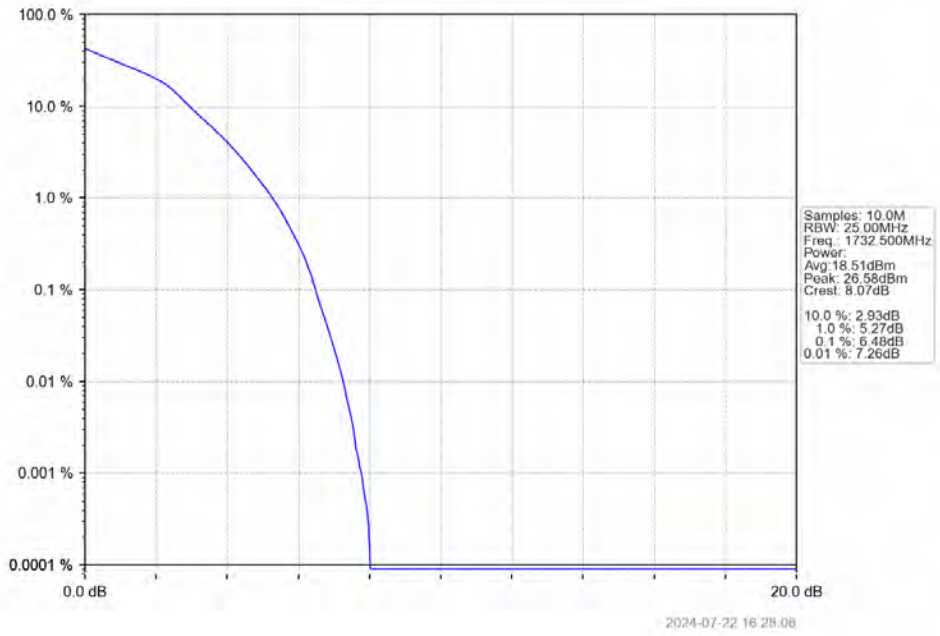
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



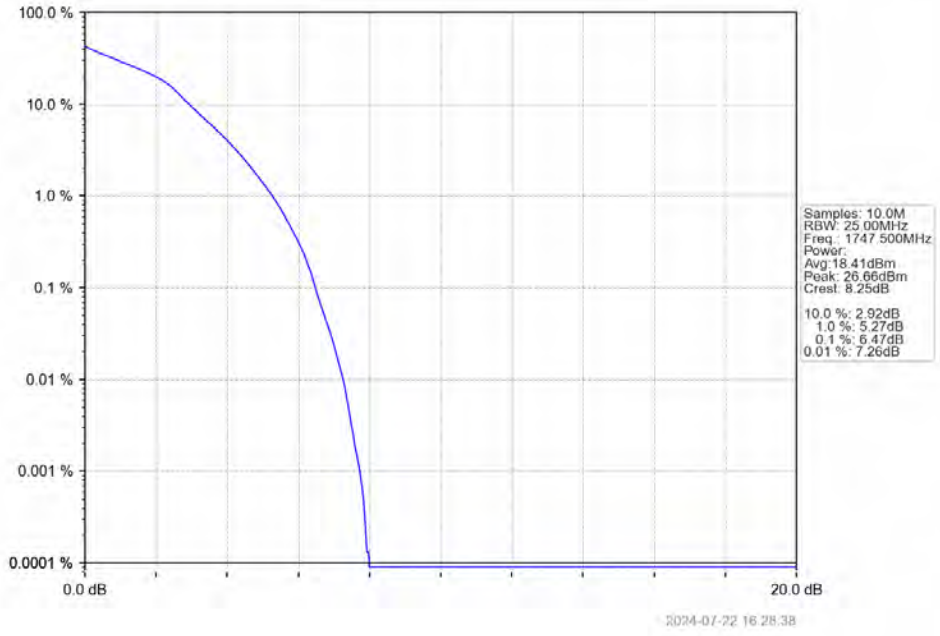
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



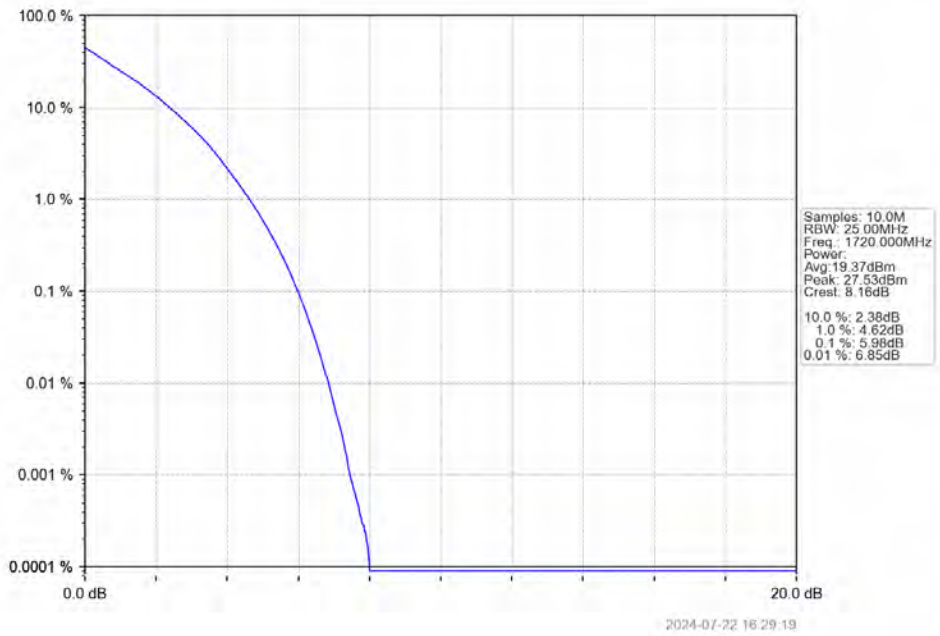
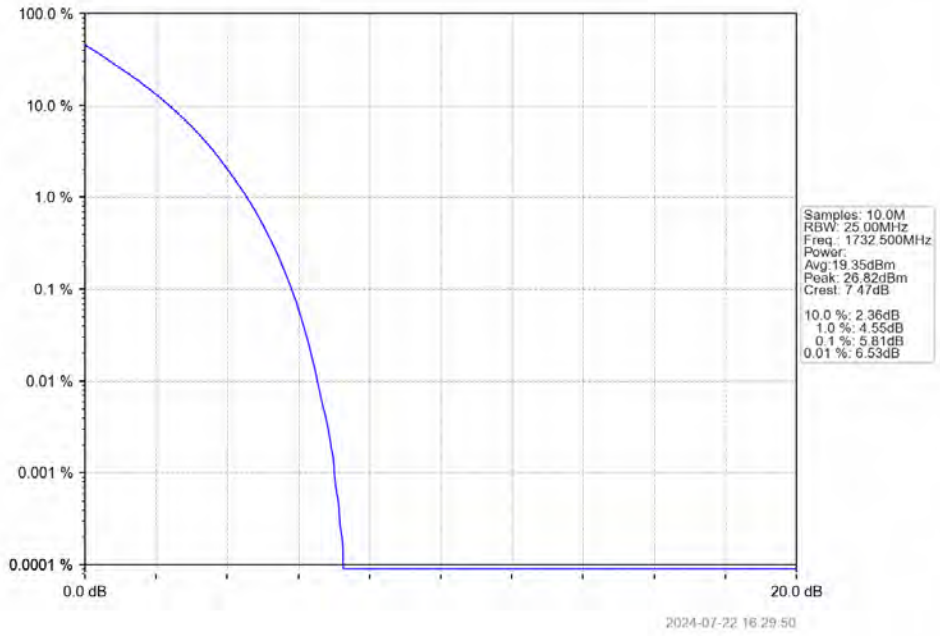
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



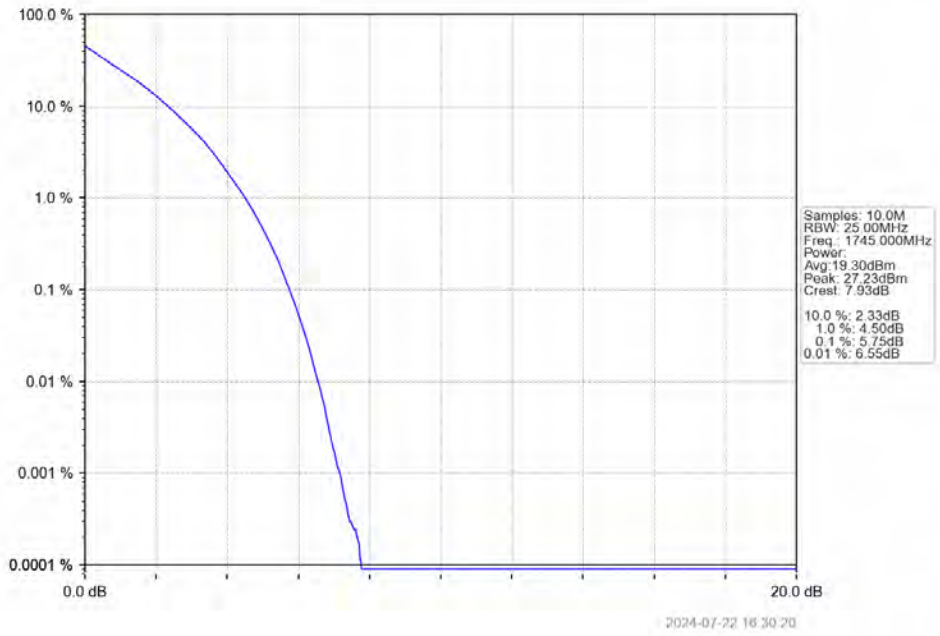
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



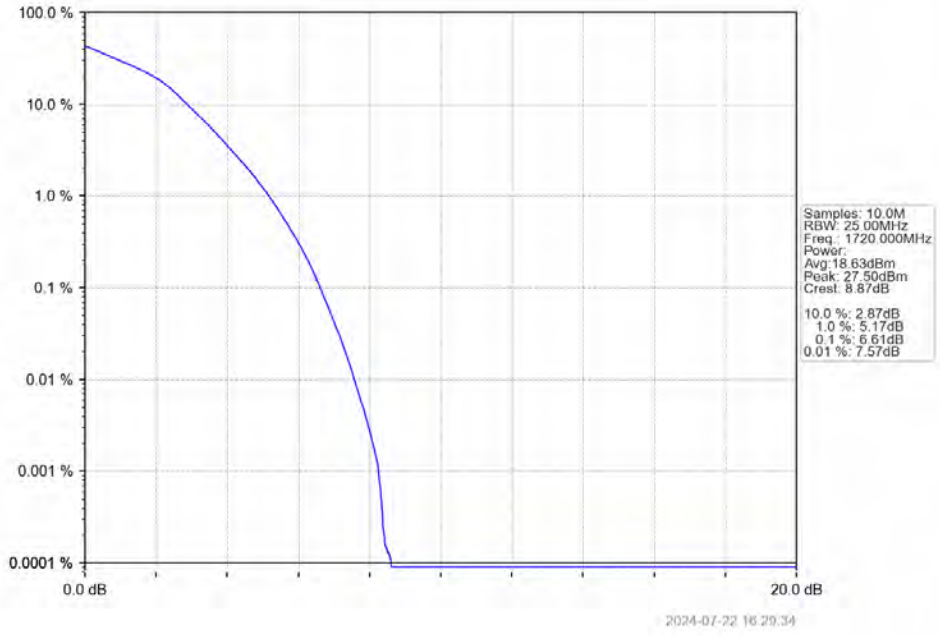
5.2.6 B4_20MHz

Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV


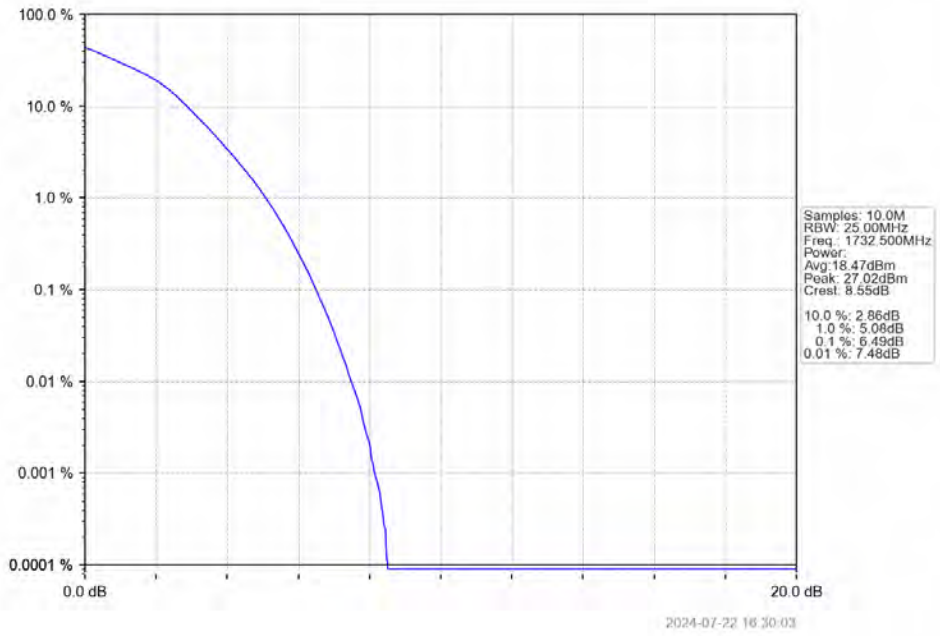
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



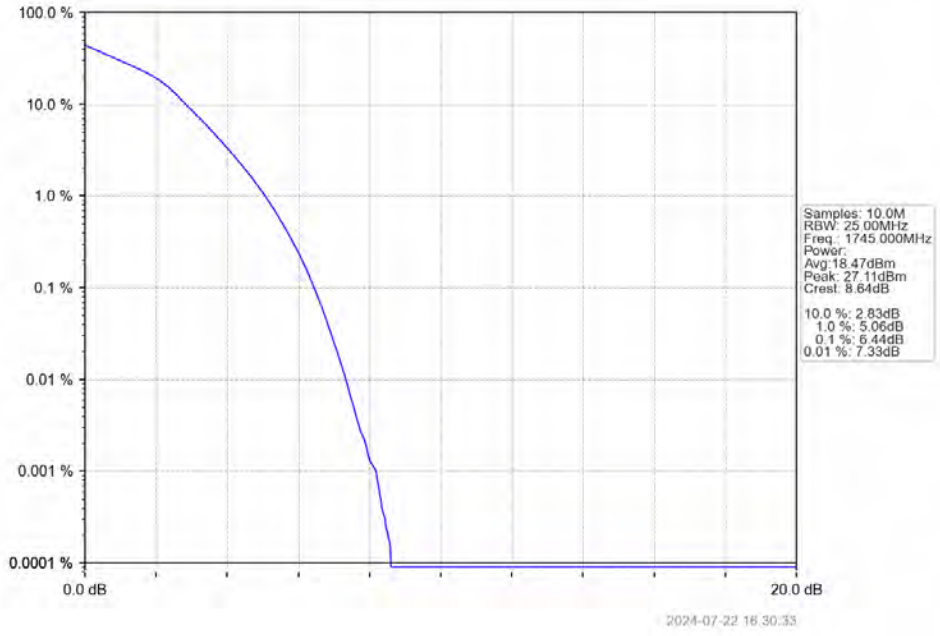
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

6.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

6.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	1712.5	1	0	Refer To Test Graph		Pass

		25	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1752.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

6.1.6 B4_20MHz

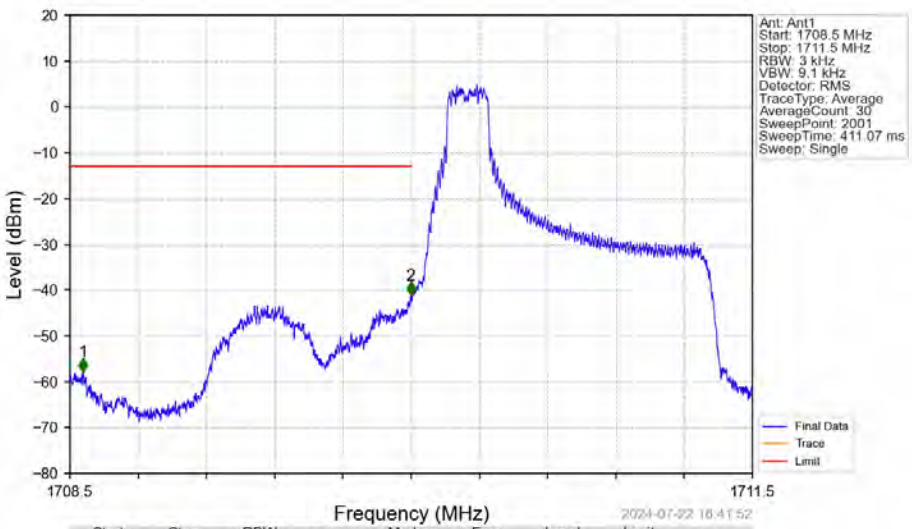
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	1720	1	0	Refer To Test Graph		Pass

		100	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1745	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

6.2 Test Graph

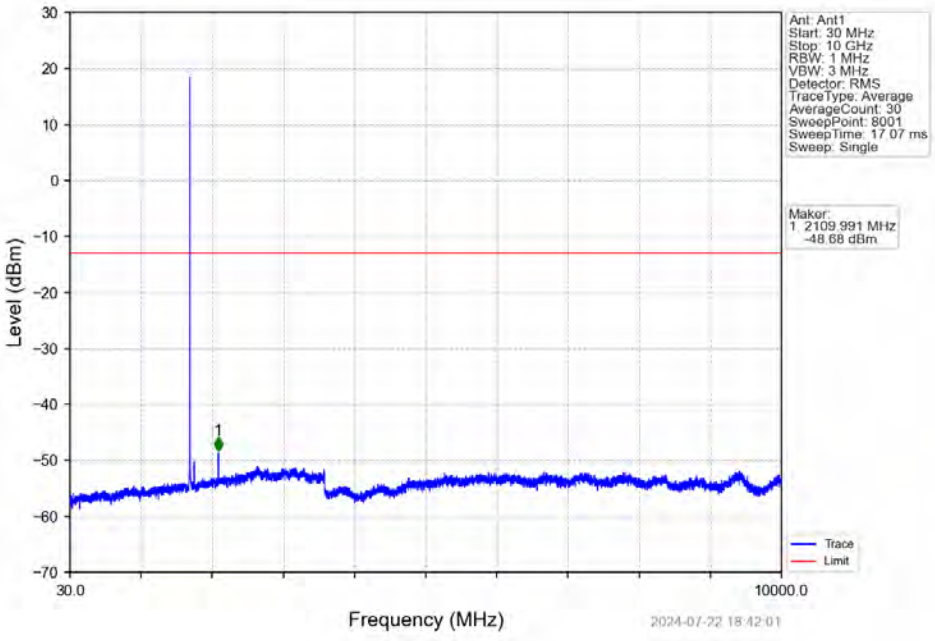
6.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

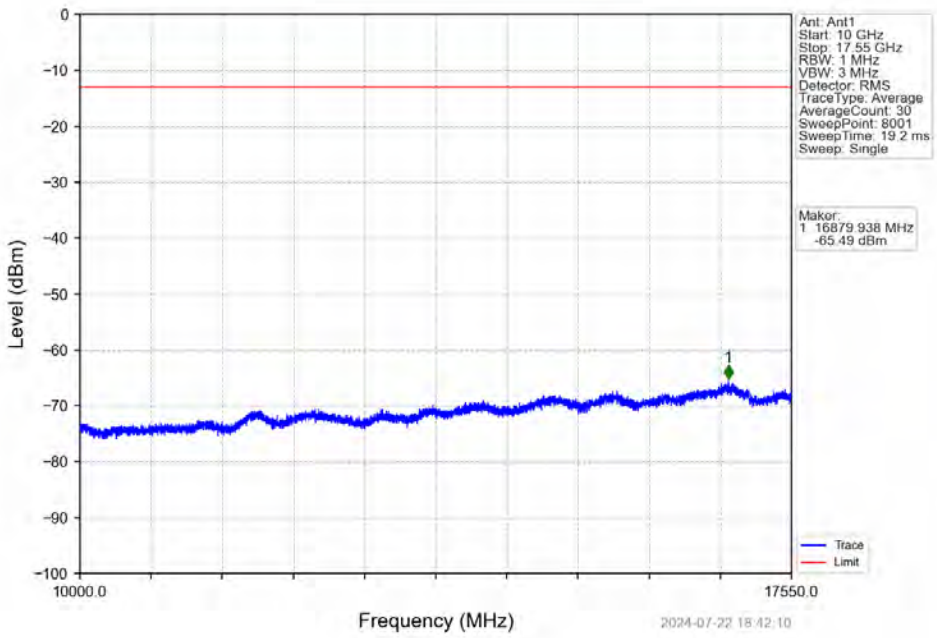


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.559	-57.87	-13	Pass
1709	1710	0.003	/	2	1709.998	-41.24	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

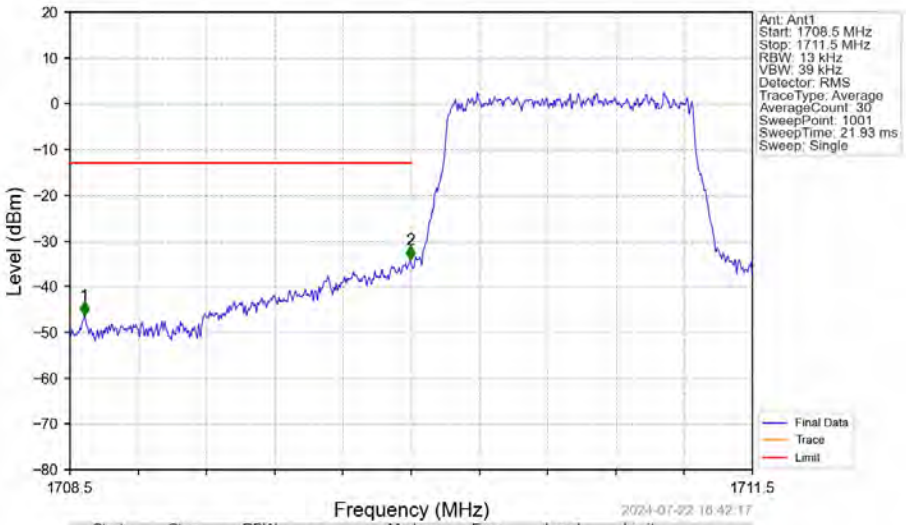
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

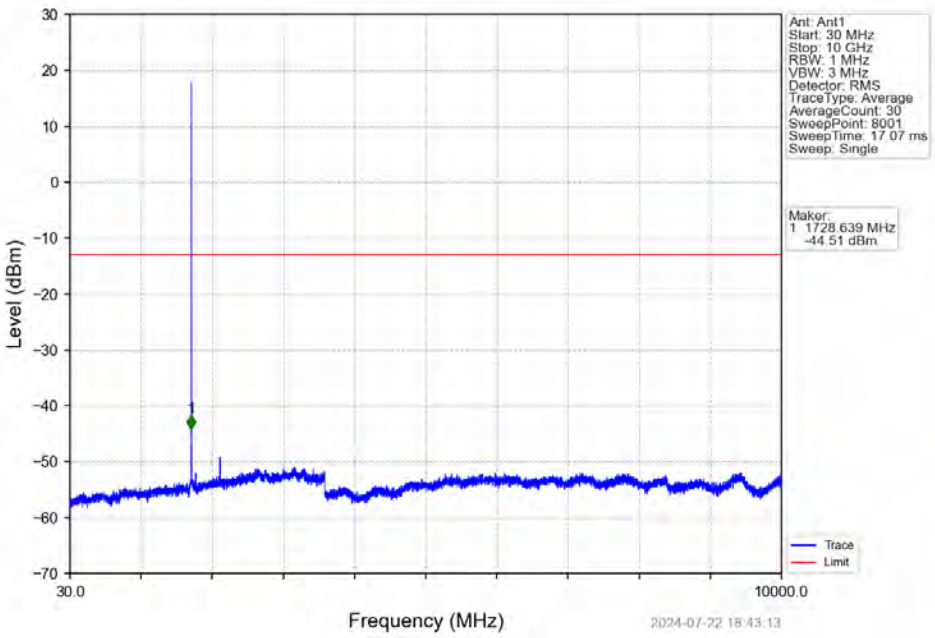


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

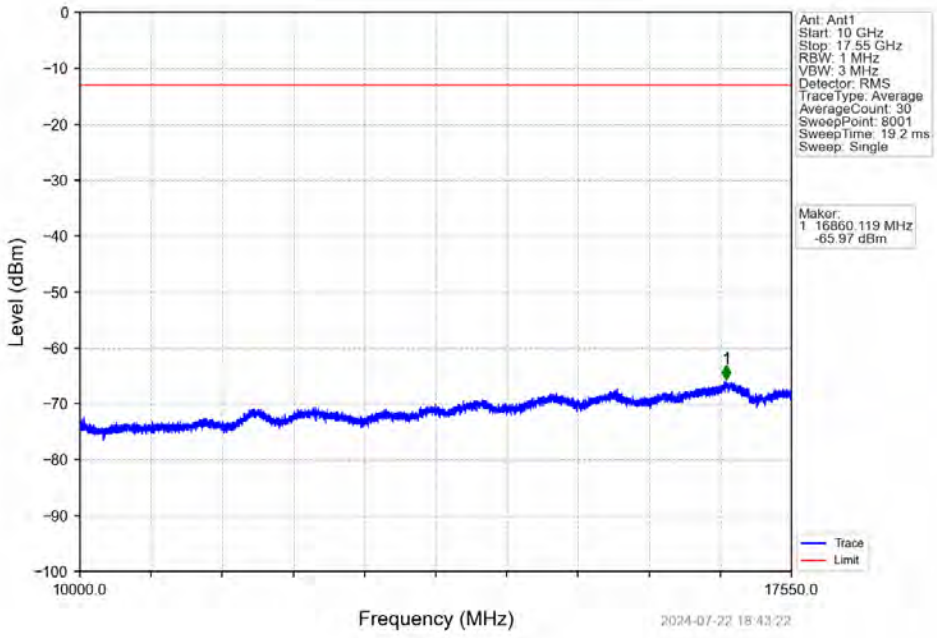


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.563	-46.30	-13	Pass
1709	1710	0.013	/	2	1709.997	-34.22	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

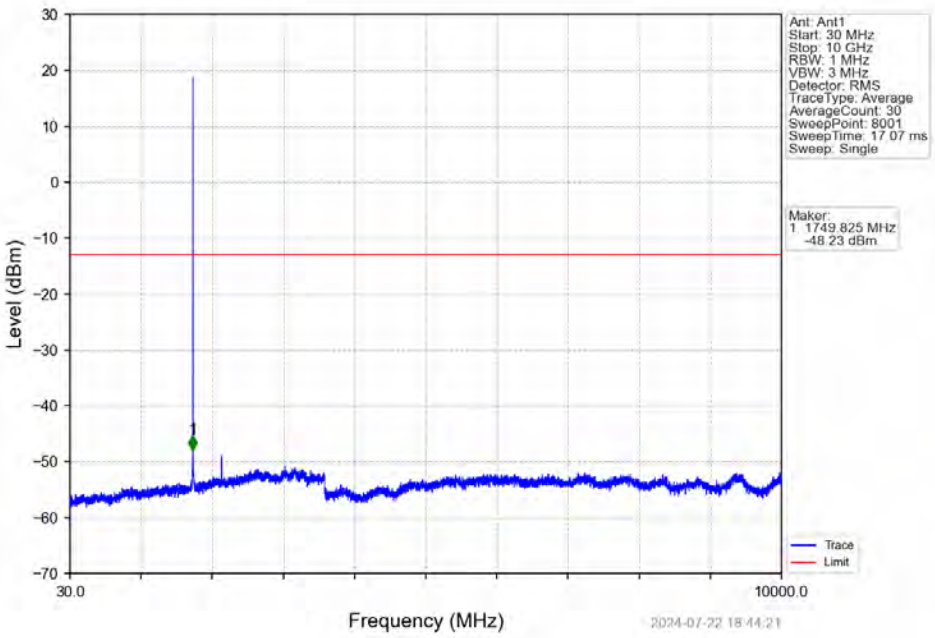
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



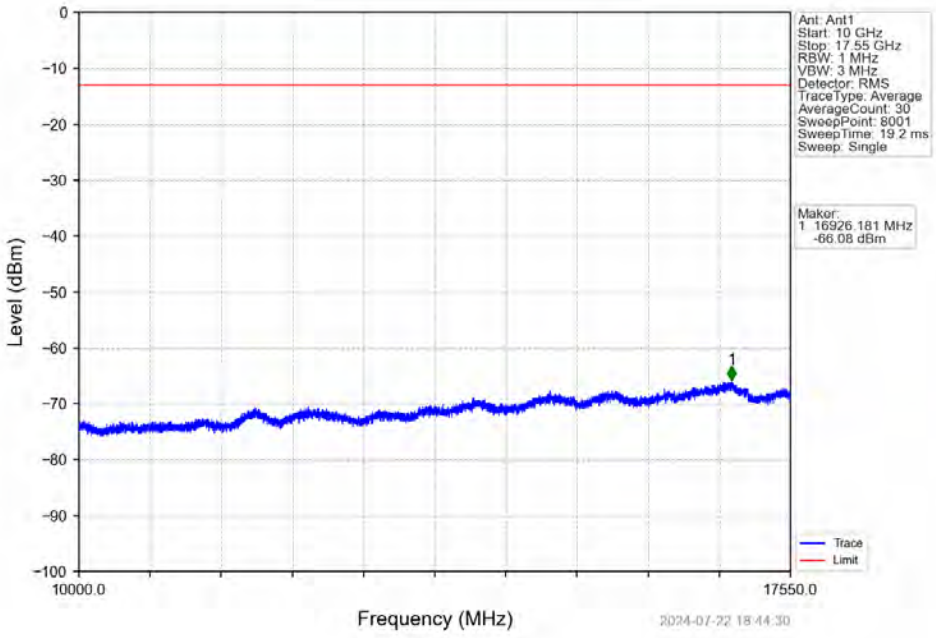
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



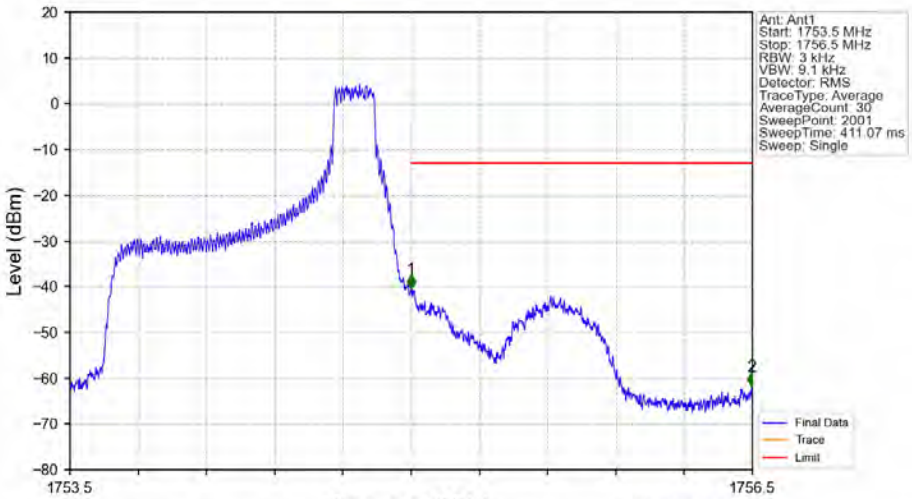
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

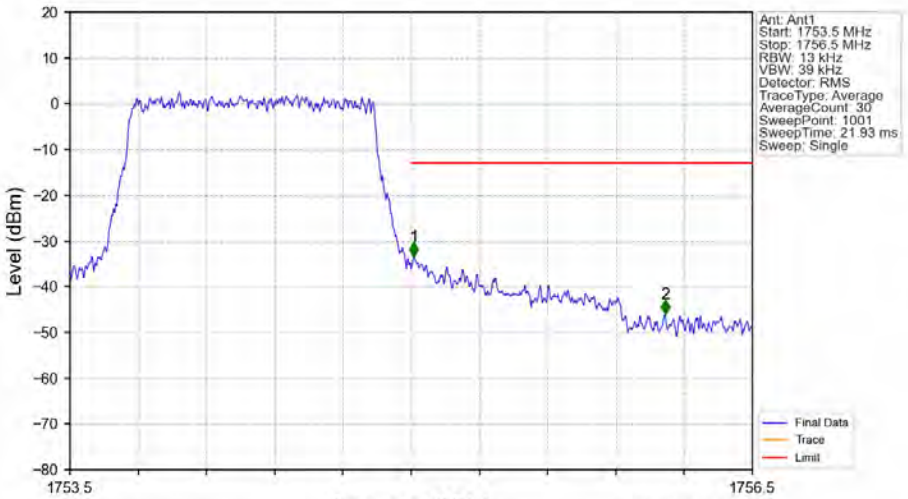


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



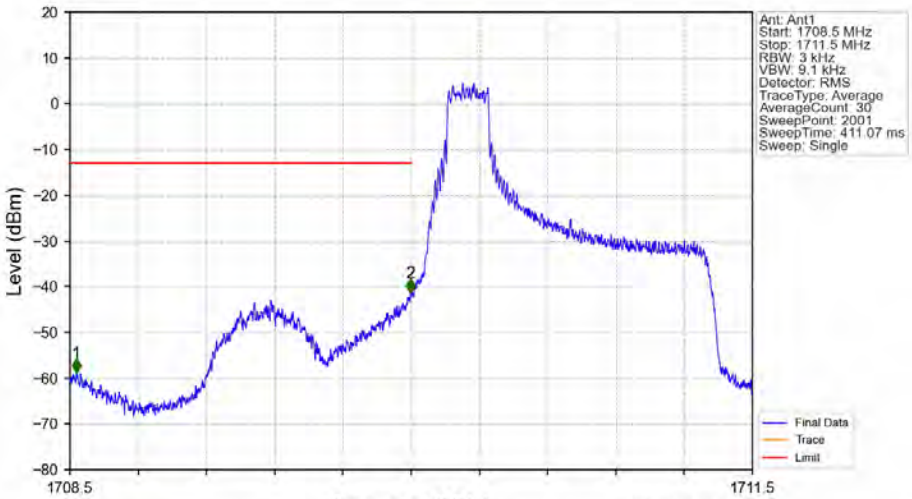
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-40.52	-13	Pass
1756	1756.5	1	/	2	1756.497	-61.91	-13	Pass

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



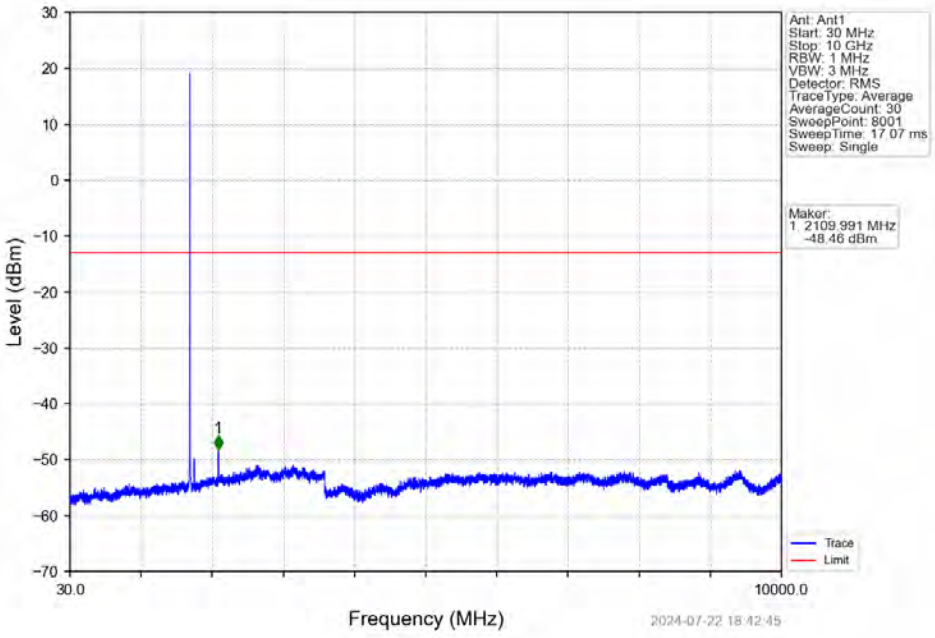
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	/	/	/	/	/
1755	1756	0.013	/	1	1755.012	-33.43	-13	Pass
1756	1756.5	1	/	2	1756.116	-45.91	-13	Pass

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

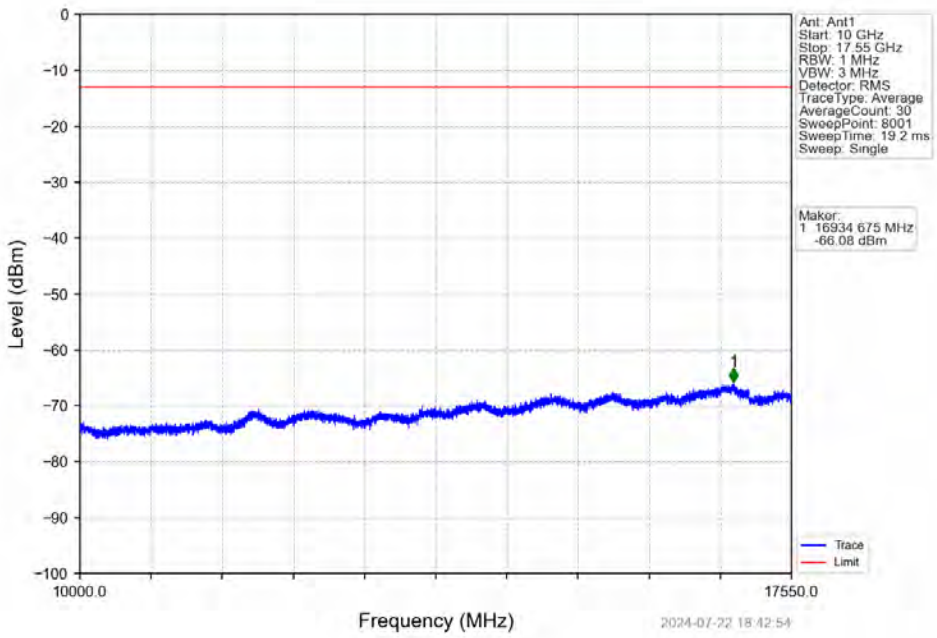


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.528	-58.85	-13	Pass
1709	1710	0.003	/	2	1709.997	-41.39	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

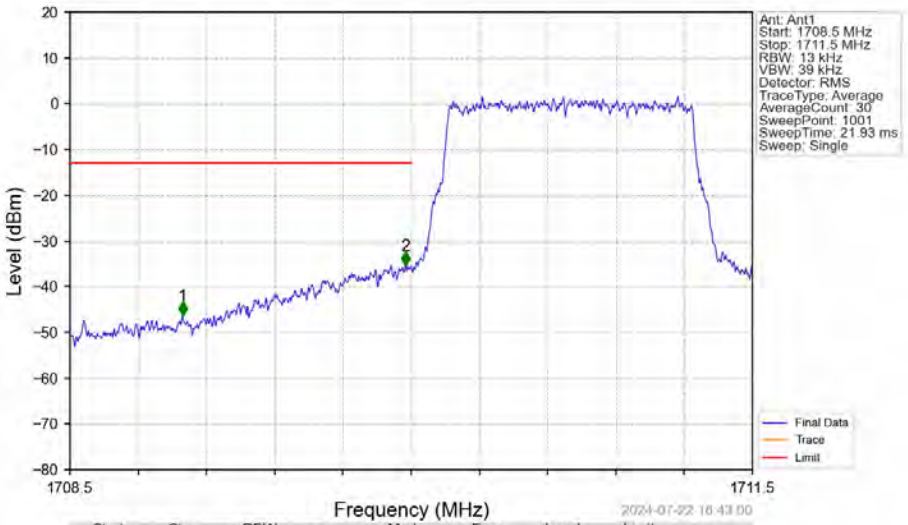
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

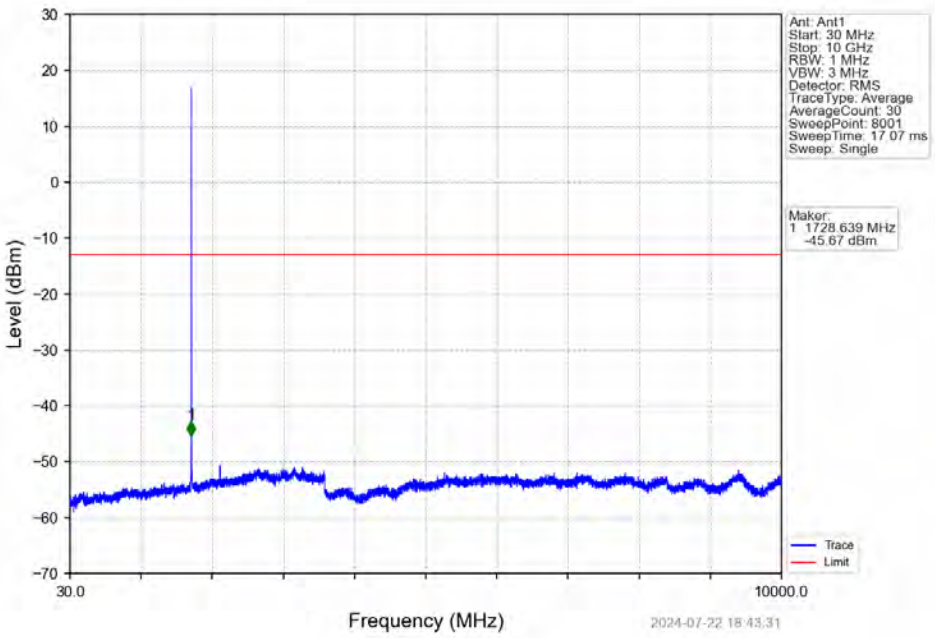


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

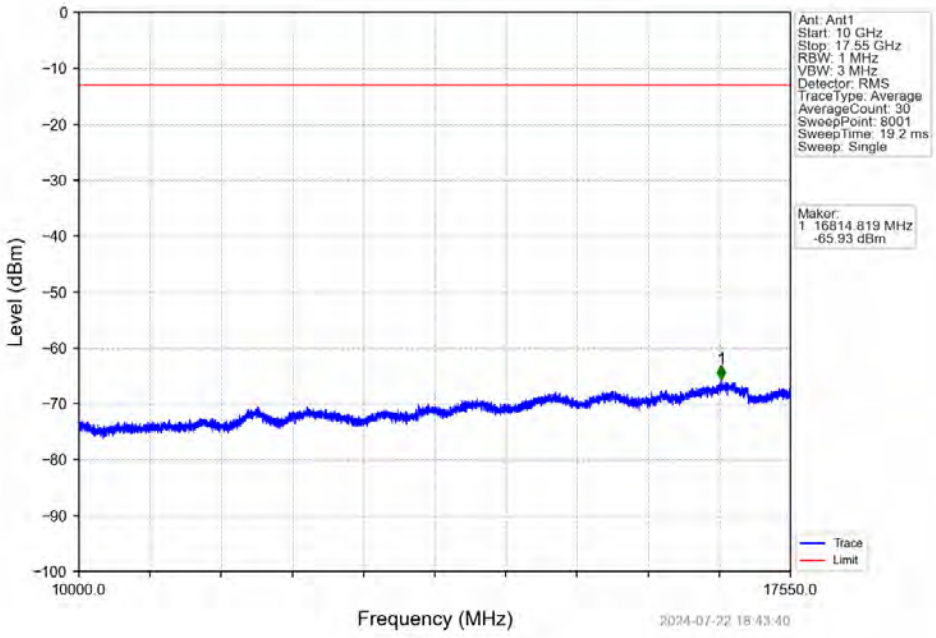


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.995	-46.30	-13	Pass
1709	1710	0.013	/	2	1709.976	-35.41	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

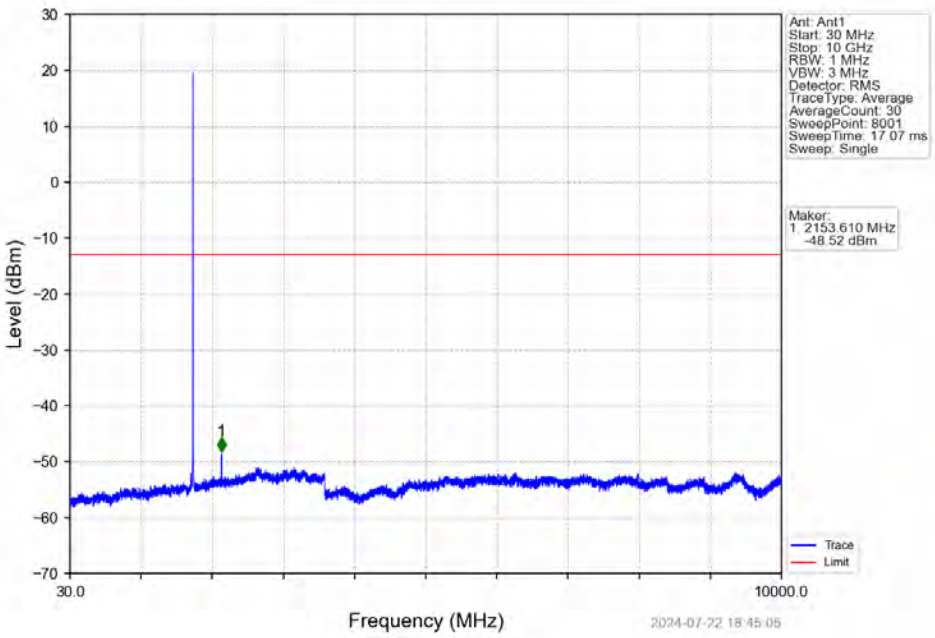
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



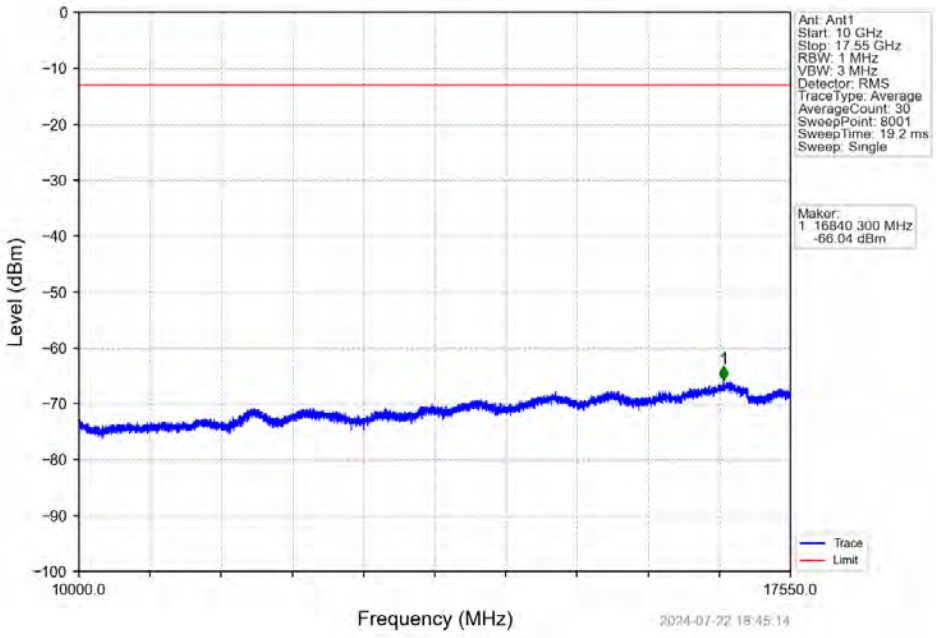
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



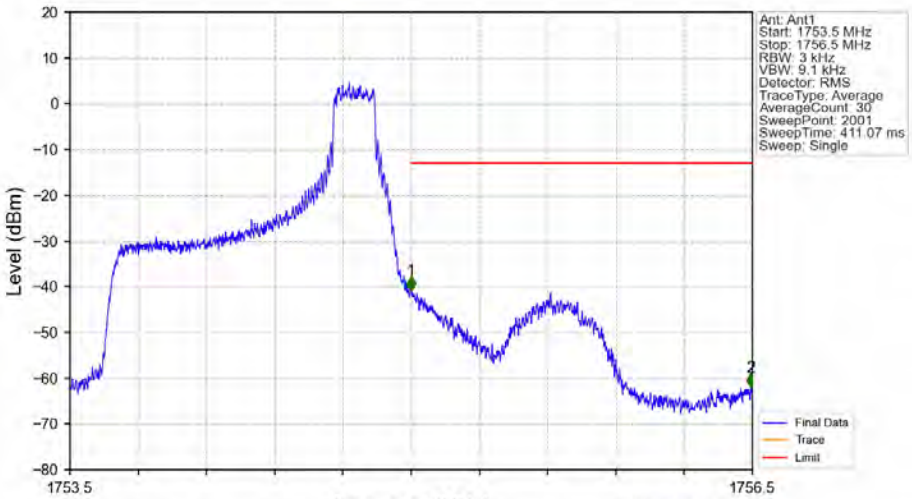
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

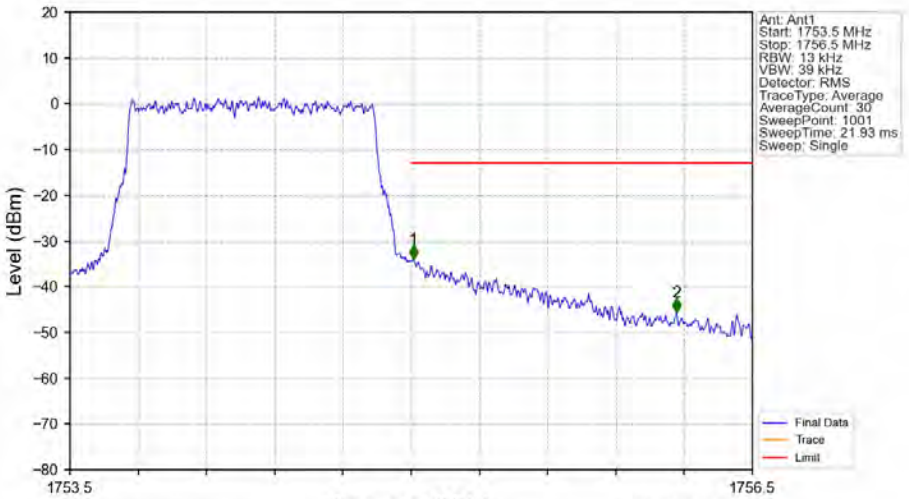


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-40.87	-13	Pass
1756	1756.5	1	/	2	1756.494	-62.01	-13	Pass

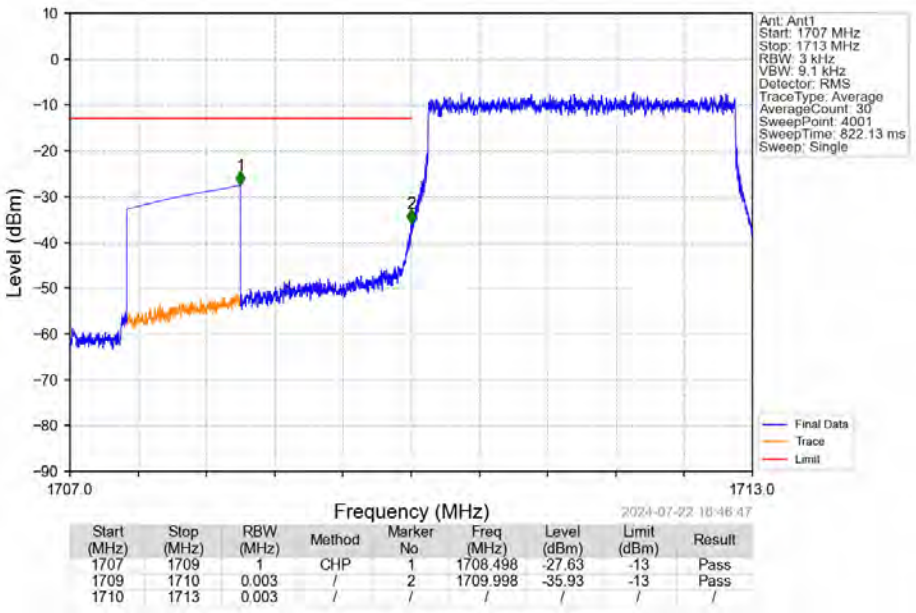
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	/	/	/	/	/
1755	1756	0.013	/	1	1755.009	-34.04	-13	Pass
1756	1756.5	1	/	2	1756.167	-45.63	-13	Pass

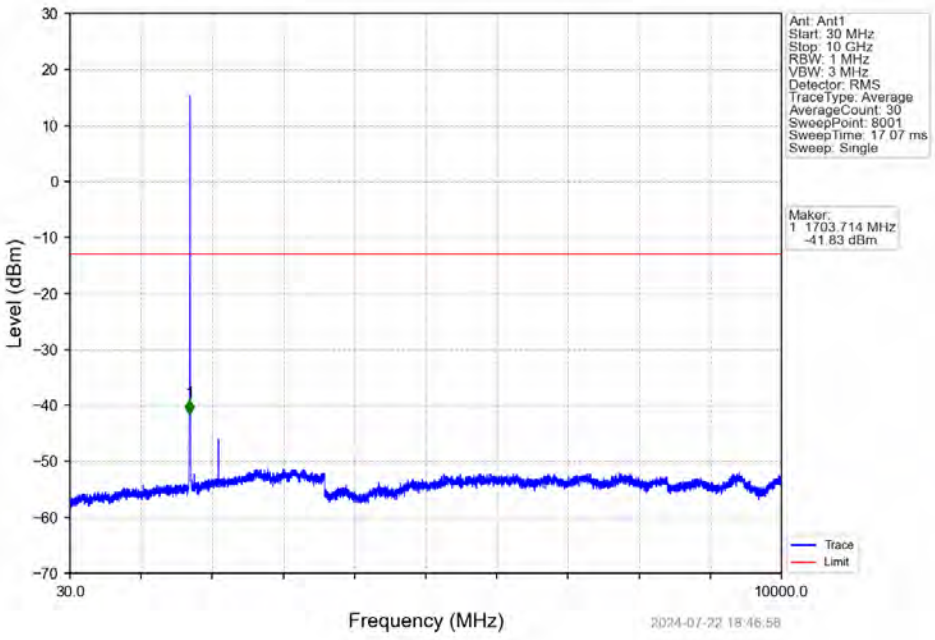
6.2.2 B4_3MHz

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

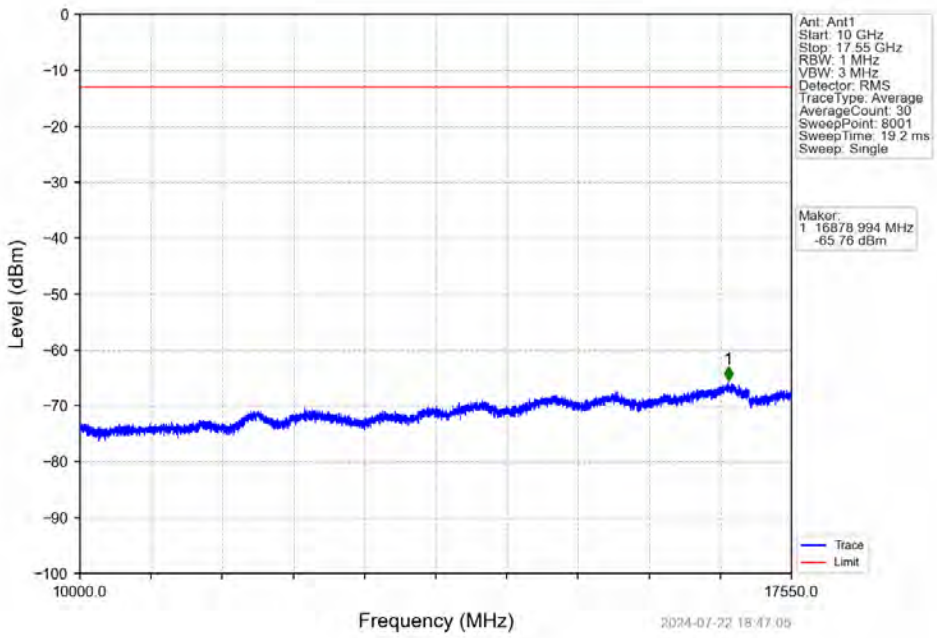


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-27.63	-13	Pass
1709	1710	0.003	/	2	1709.998	-35.93	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

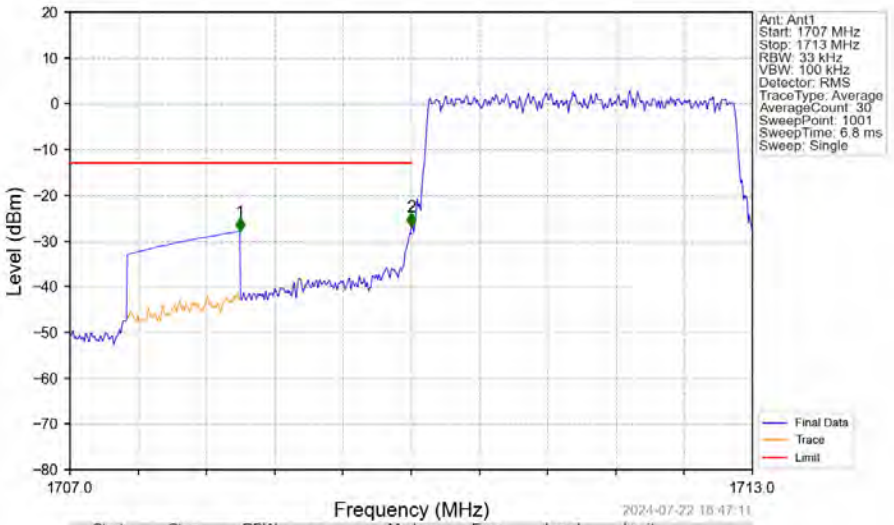
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

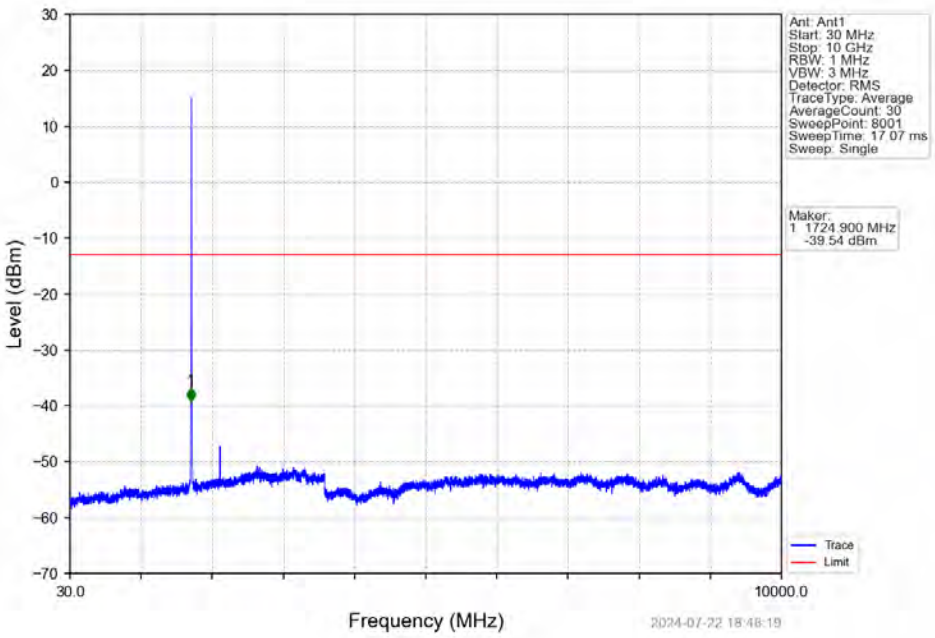


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

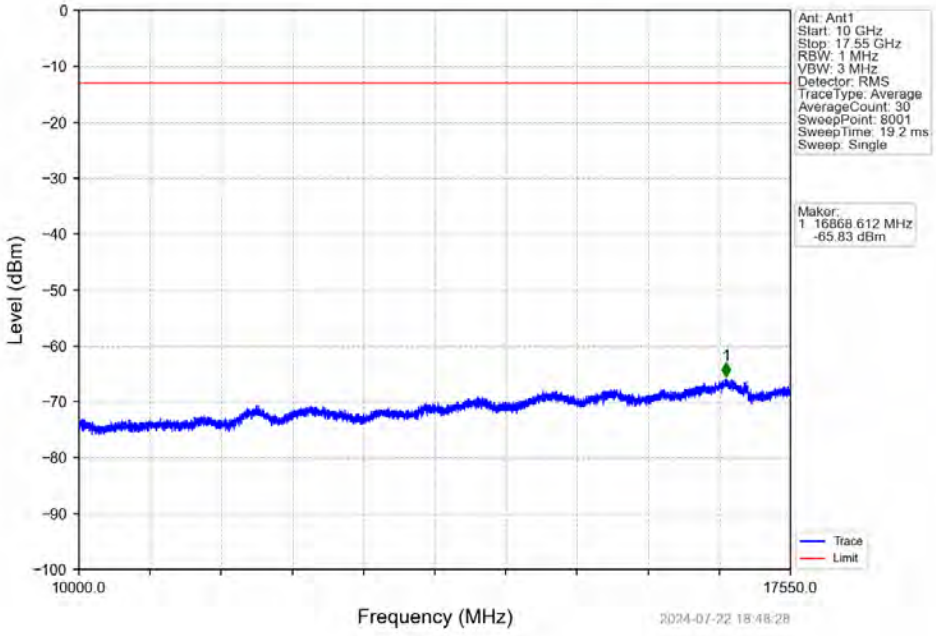


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-27.94	-13	Pass
1709	1710	0.033	/	2	1710.000	-26.88	-13	Pass
1710	1713	0.033	/	/	/	/	/	/

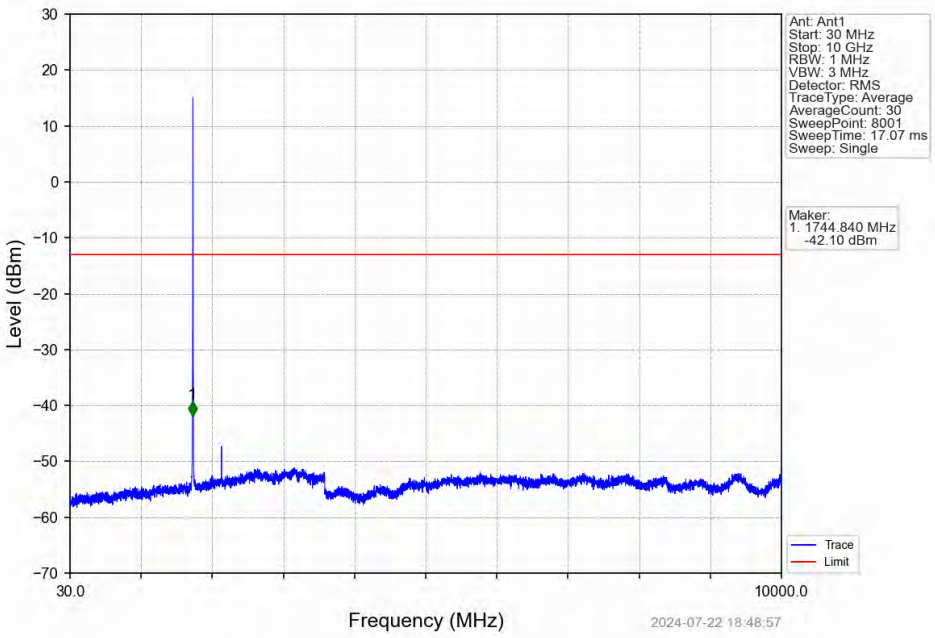
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



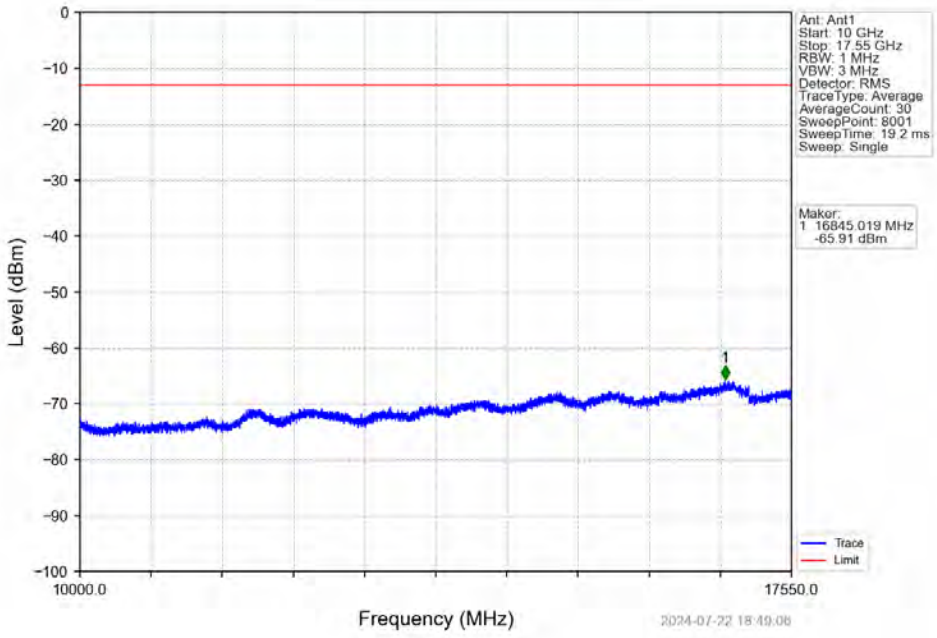
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



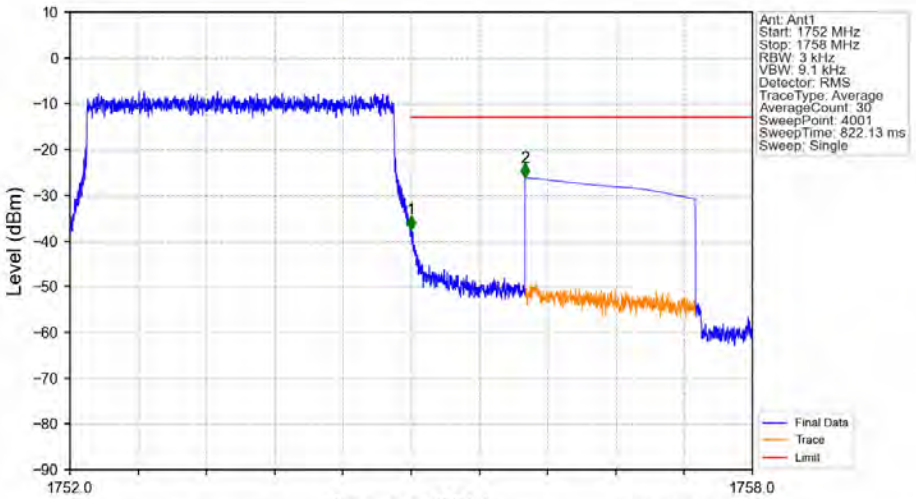
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

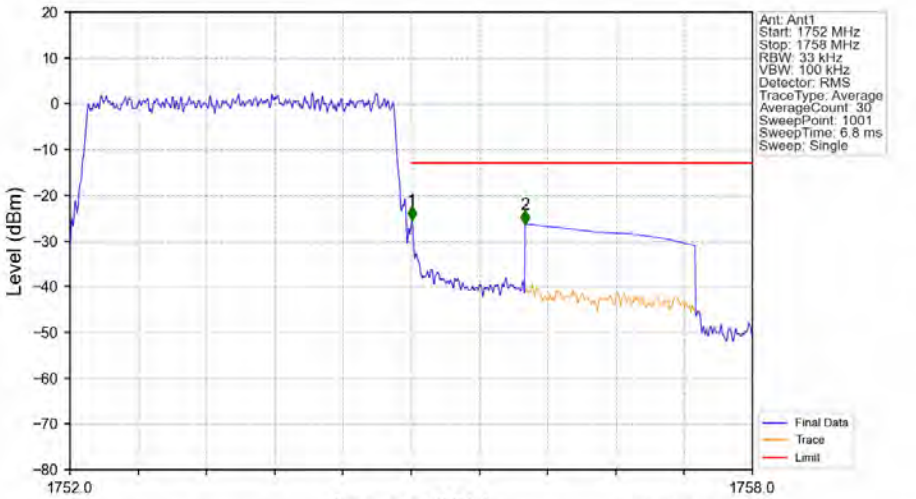


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



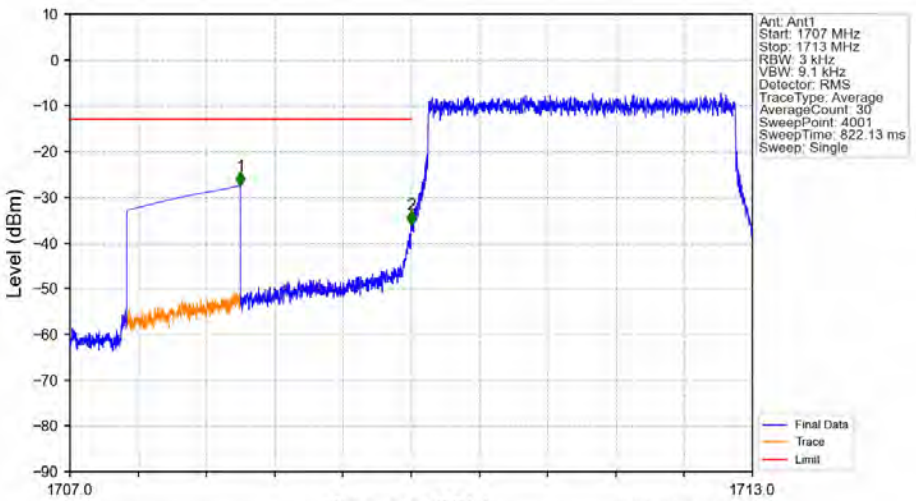
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-37.54	-13	Pass
1756	1758	1	CHP	2	1756.001	-26.23	-13	Pass

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



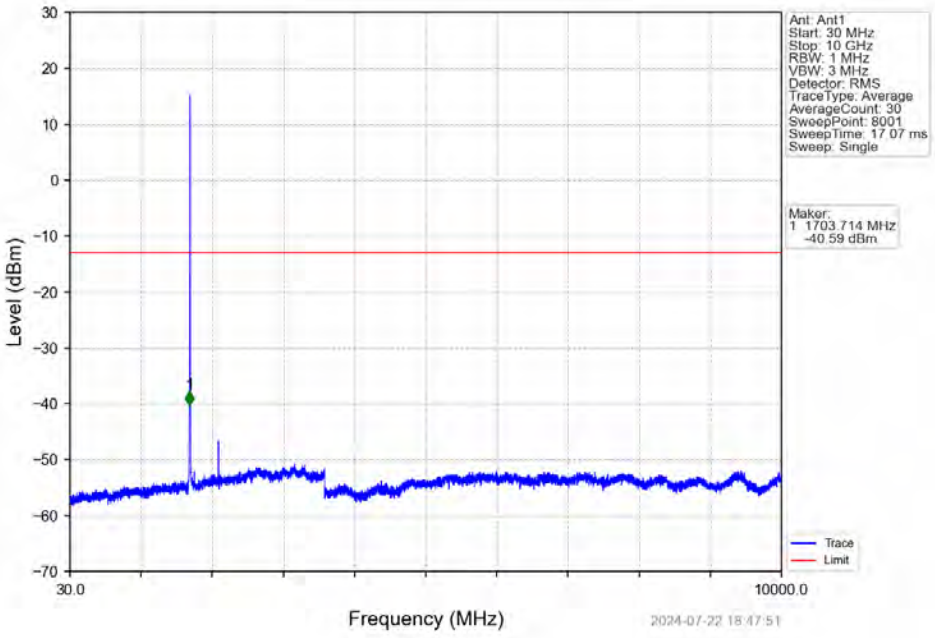
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.033	/	/	/	/	/	/
1755	1756	0.033	/	1	1755.006	-25.46	-13	Pass
1756	1758	1	CHP	2	1756.002	-26.37	-13	Pass

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

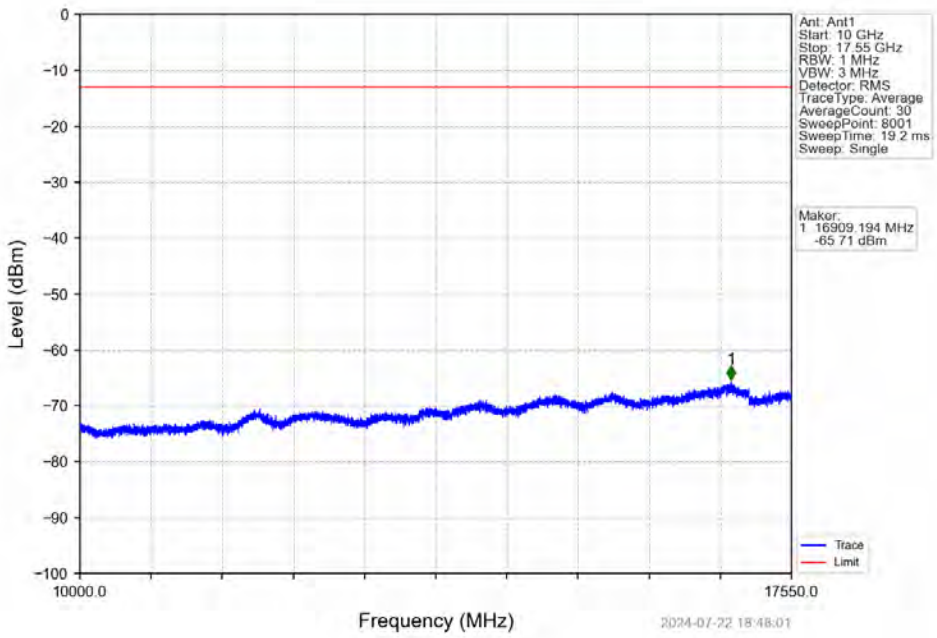


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.497	-27.59	-13	Pass
1709	1710	0.003	/	2	1710.000	-36.07	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

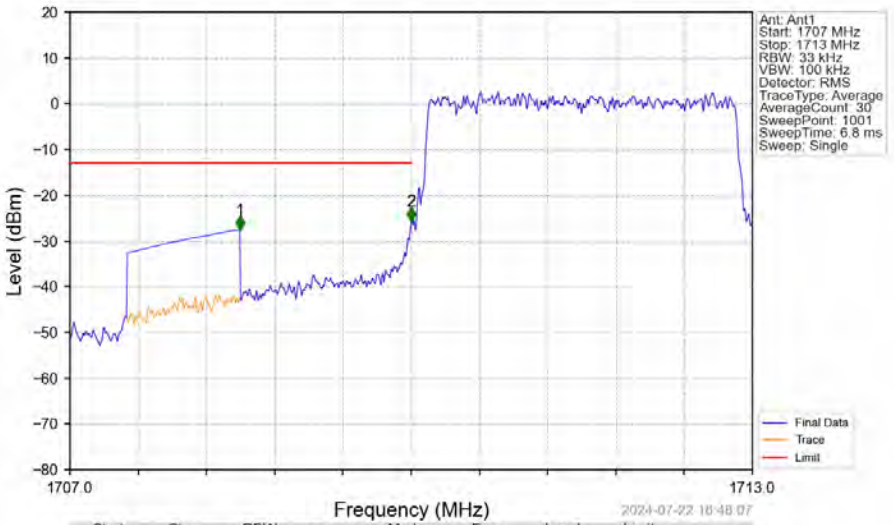
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

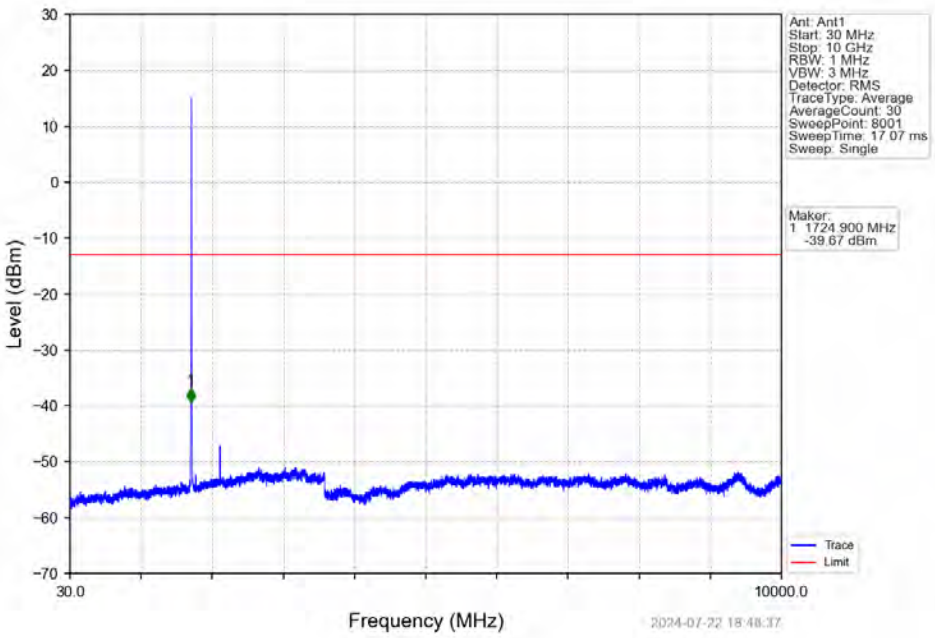


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

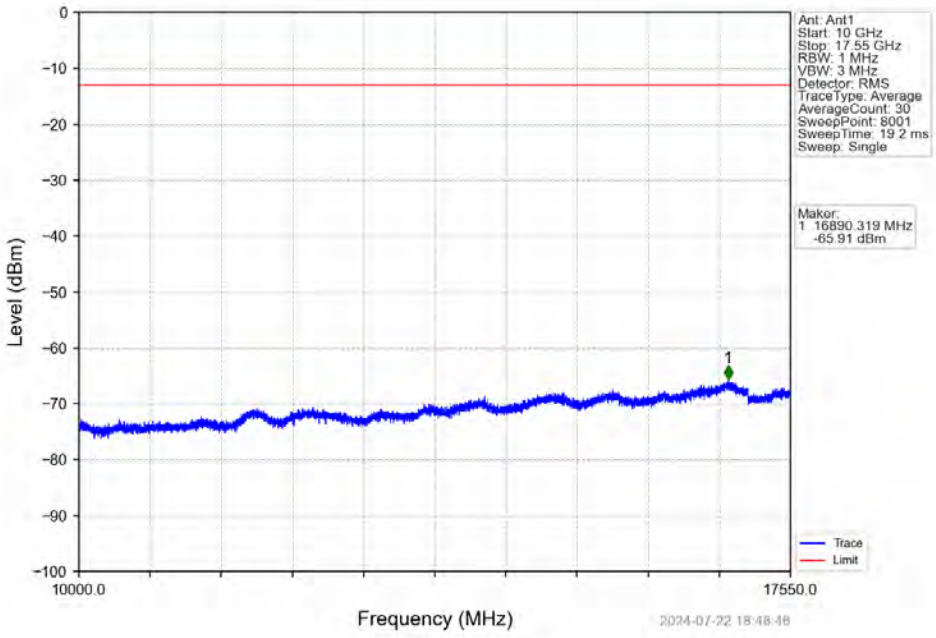


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-27.63	-13	Pass
1709	1710	0.033	/	2	1710.000	-25.66	-13	Pass
1710	1713	0.033	/	/	/	/	/	/

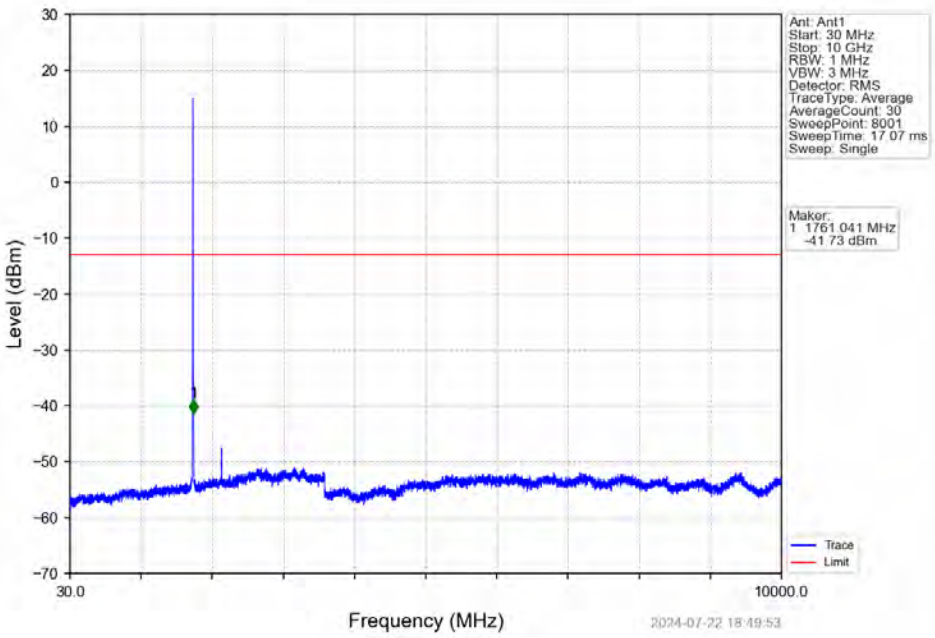
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



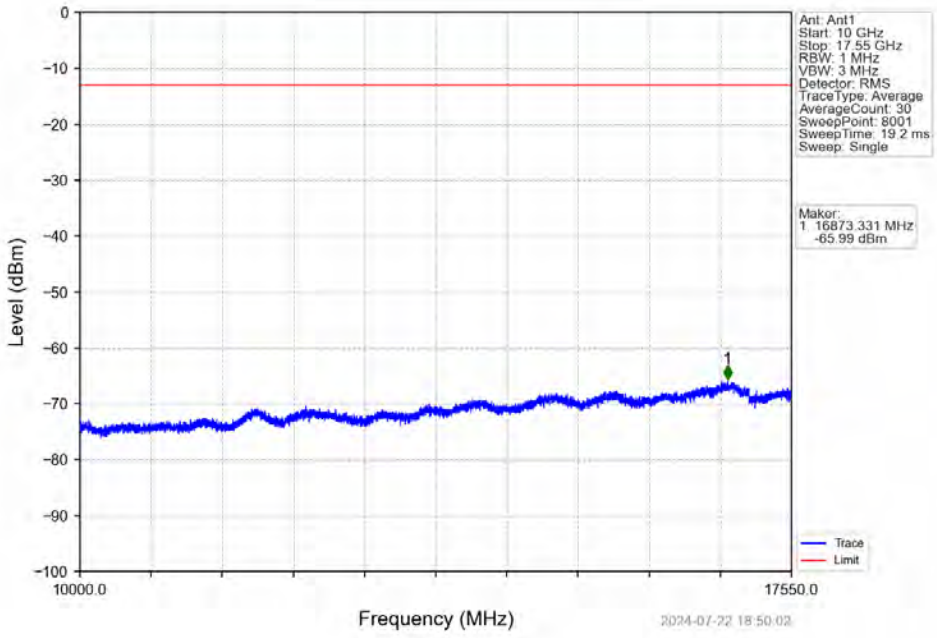
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



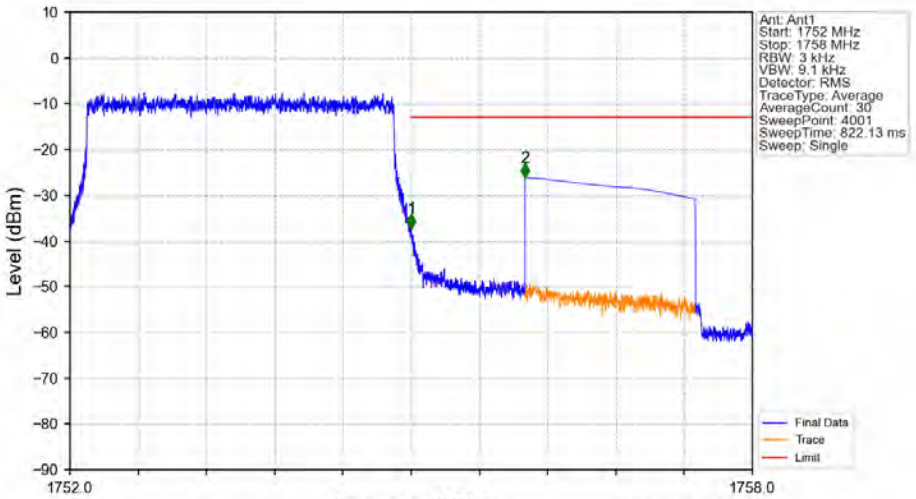
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV

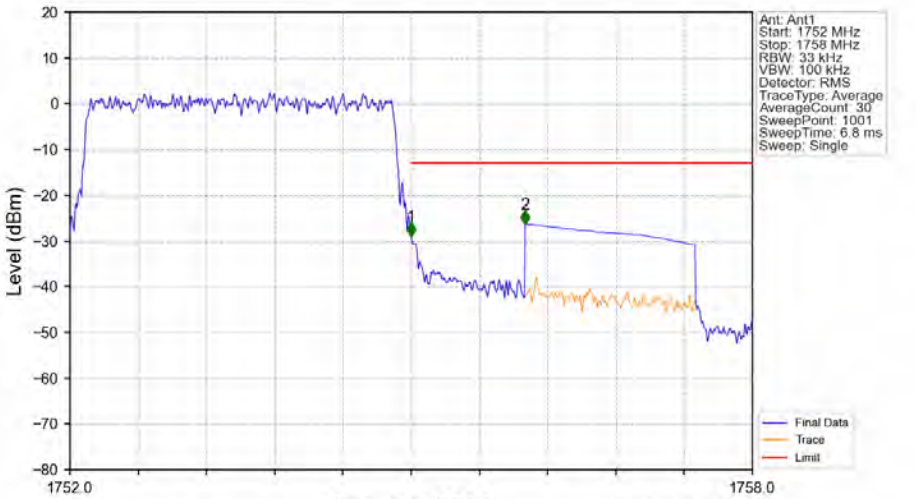


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-37.31	-13	Pass
1756	1758	1	CHP	2	1756.001	-26.16	-13	Pass

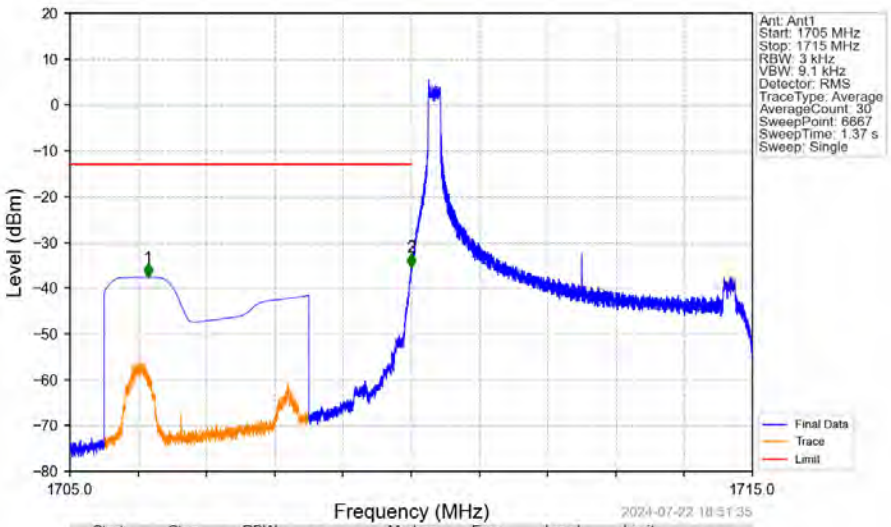
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.033	/	/	/	/	/	/
1755	1756	0.033	/	1	1755.000	-29.07	-13	Pass
1756	1758	1	CHP	2	1756.002	-26.36	-13	Pass

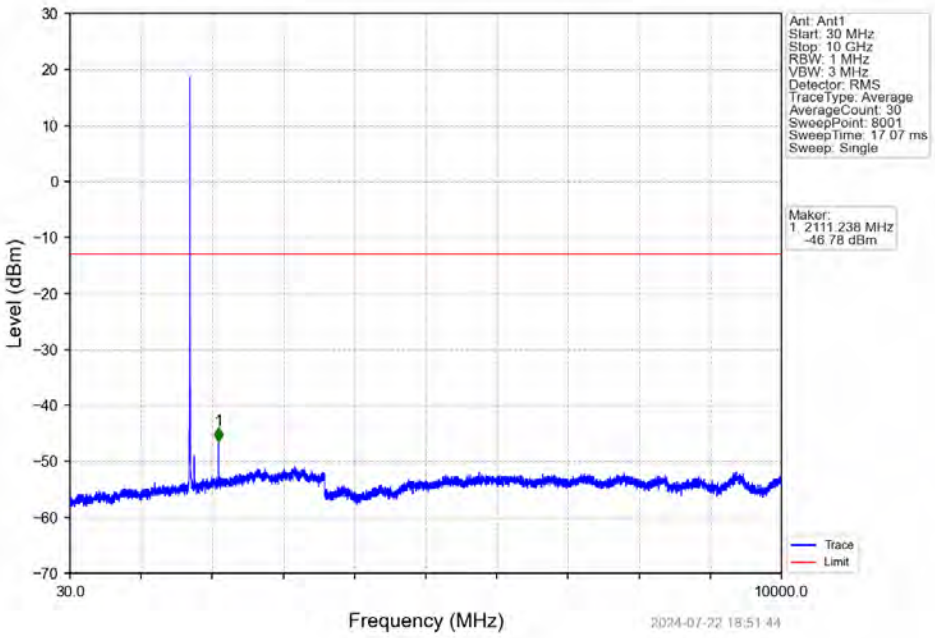
6.2.3 B4_5MHz

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

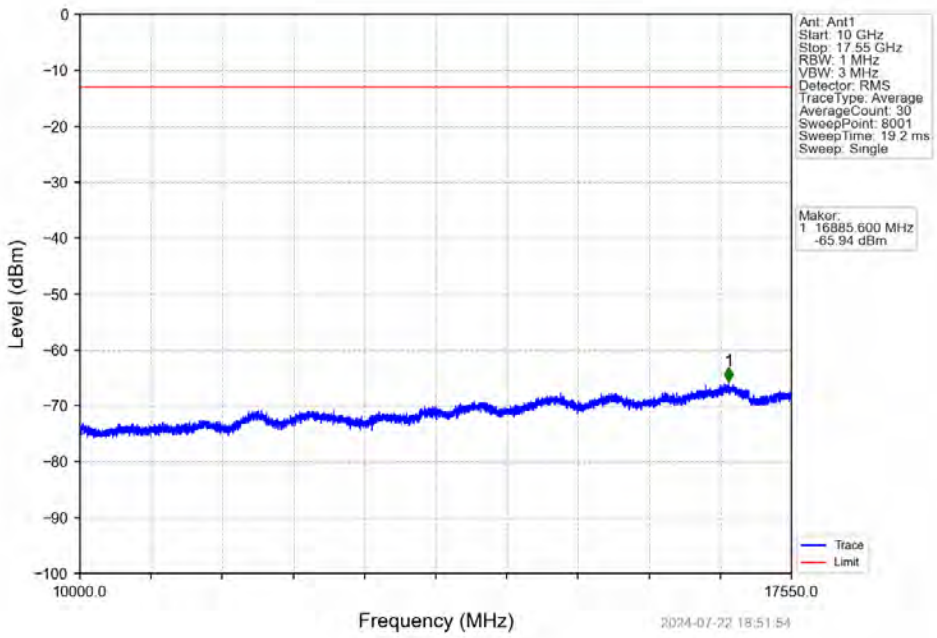


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1706.142	-37.64	-13	Pass
1709	1710	0.003	/	2	1709.998	-35.49	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

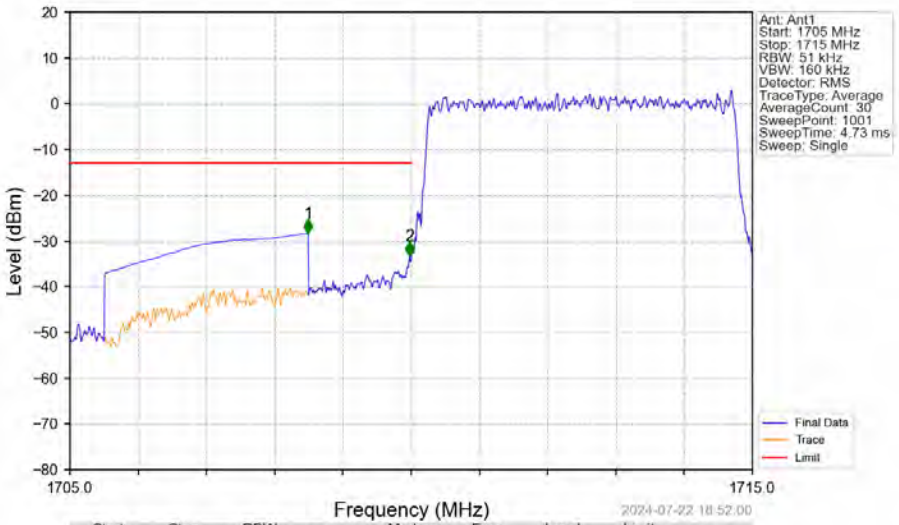
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

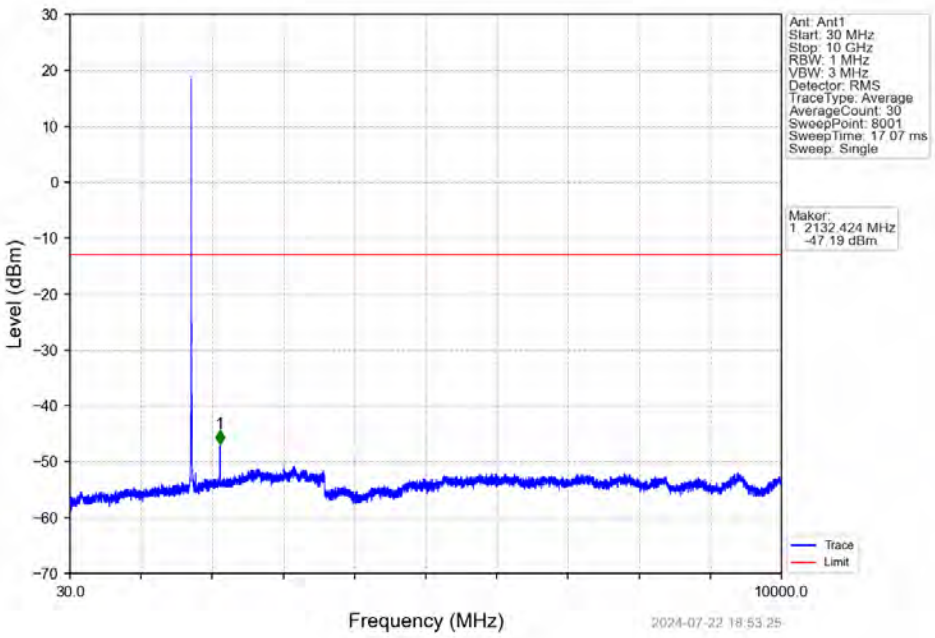


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

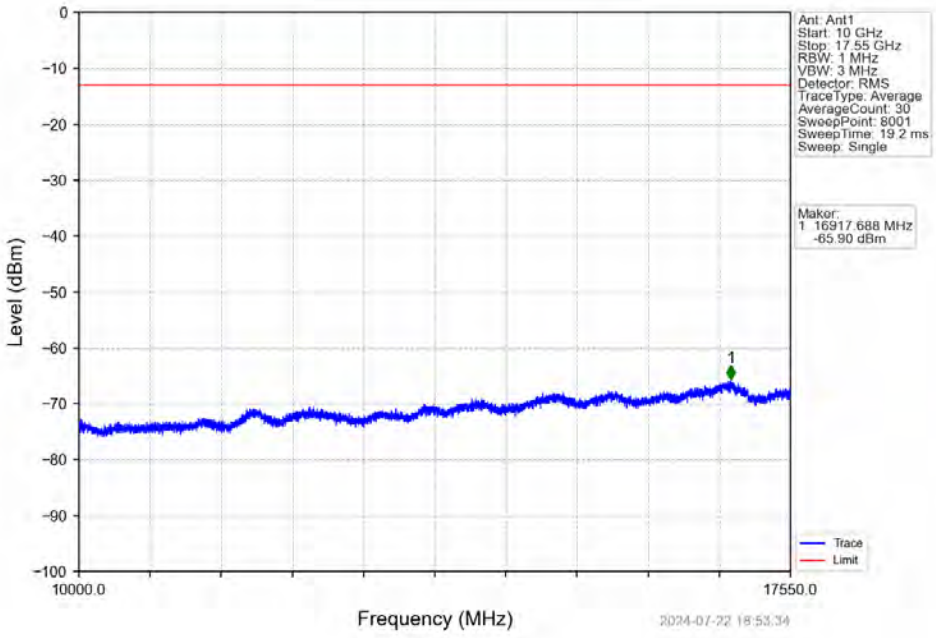


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-28.39	-13	Pass
1709	1710	0.051	/	2	1709.980	-33.21	-13	Pass
1710	1715	0.051	/	/	/	/	/	/

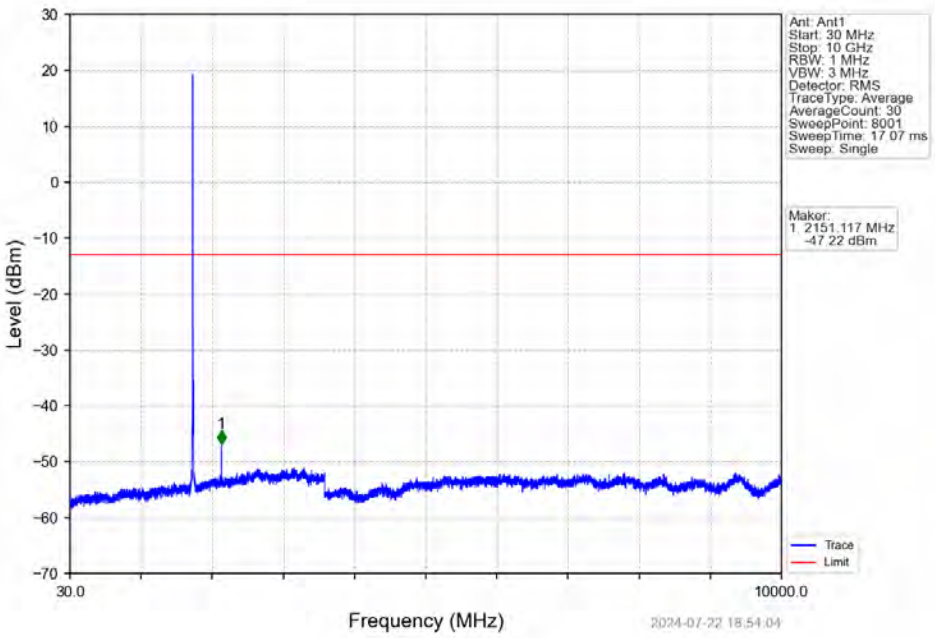
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



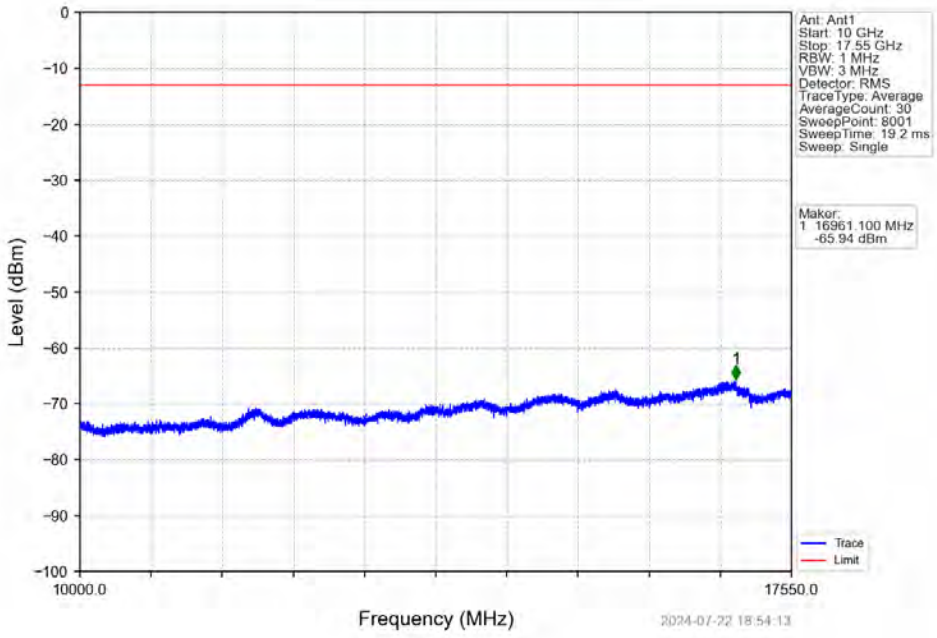
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



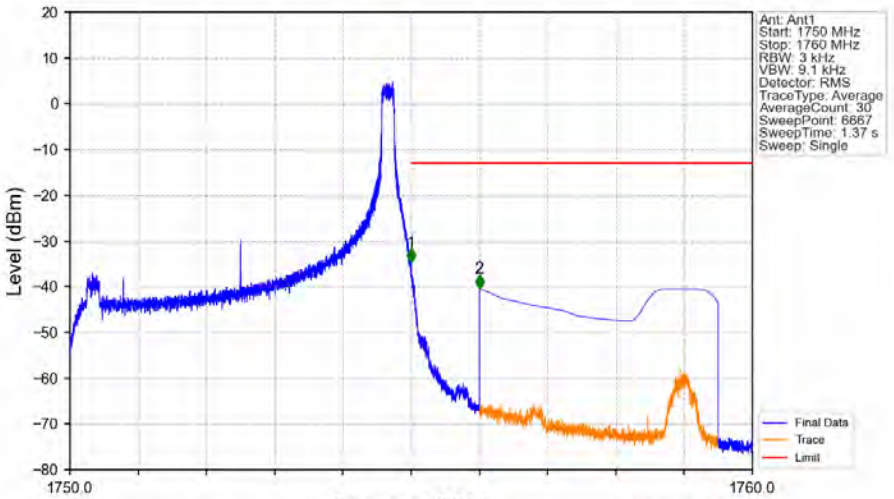
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

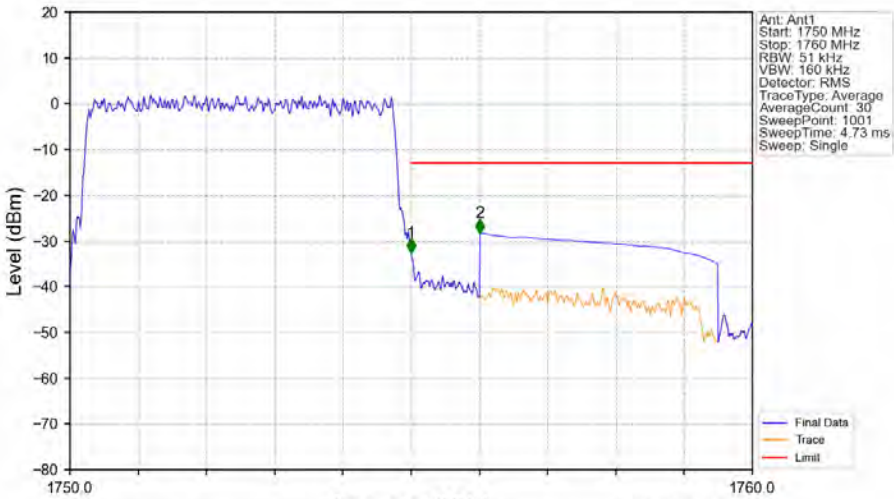


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



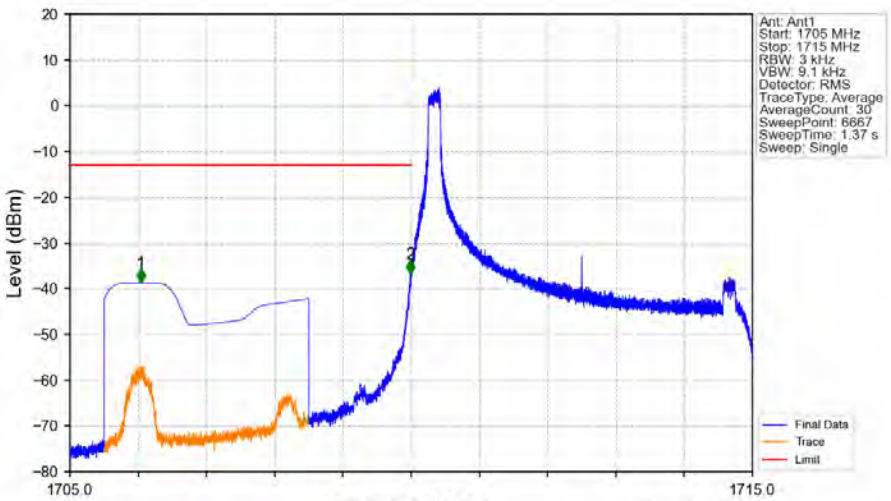
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-34.63	-13	Pass
1756	1760	1	CHP	2	1756.001	-40.41	-13	Pass

Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



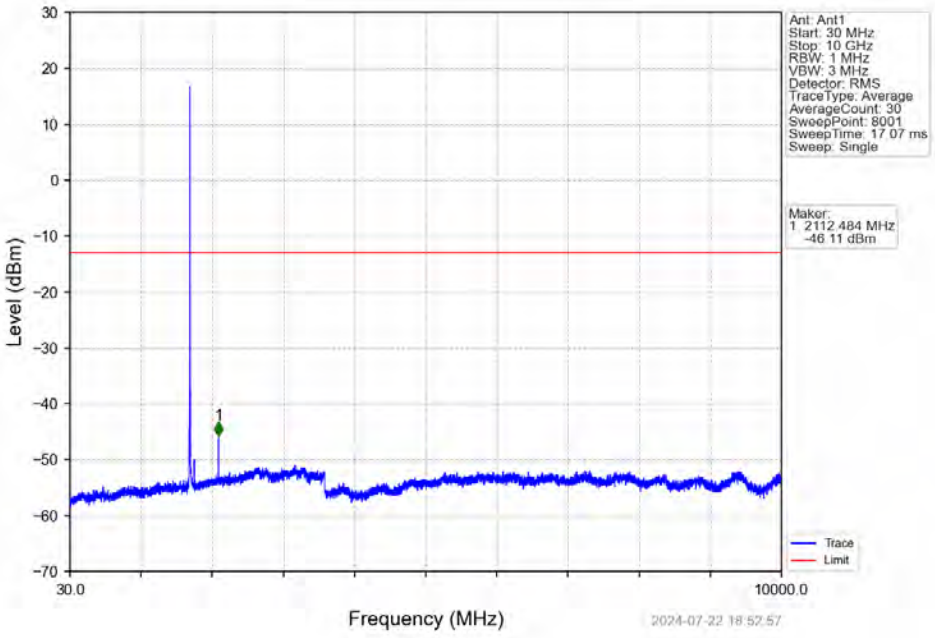
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.051	/	/	/	/	/	/
1755	1756	0.051	/	1	1755.000	-32.60	-13	Pass
1756	1760	1	CHP	2	1756.010	-28.24	-13	Pass

Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

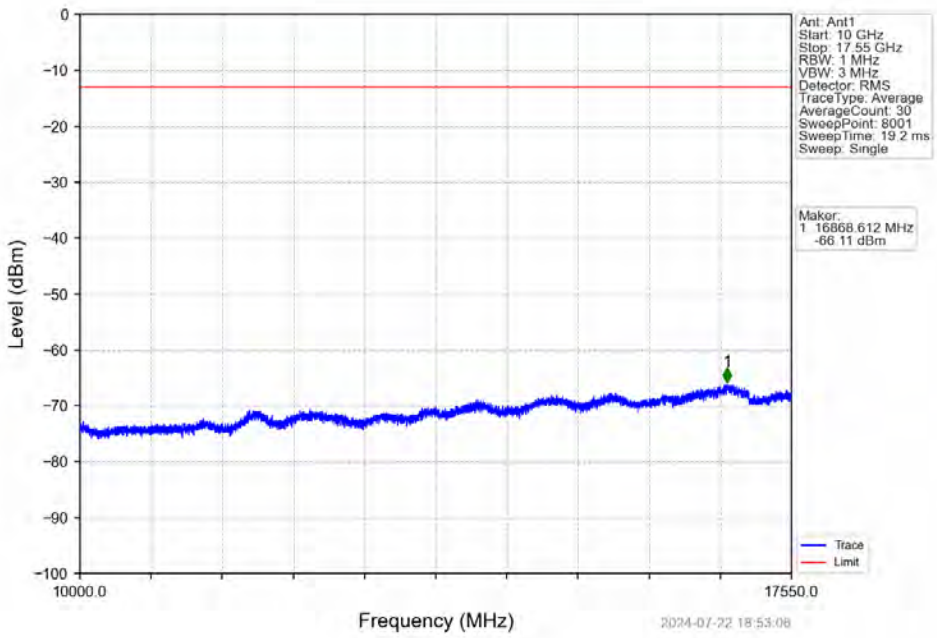


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1706.035	-38.77	-13	Pass
1709	1710	0.003	/	2	1709.989	-36.82	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

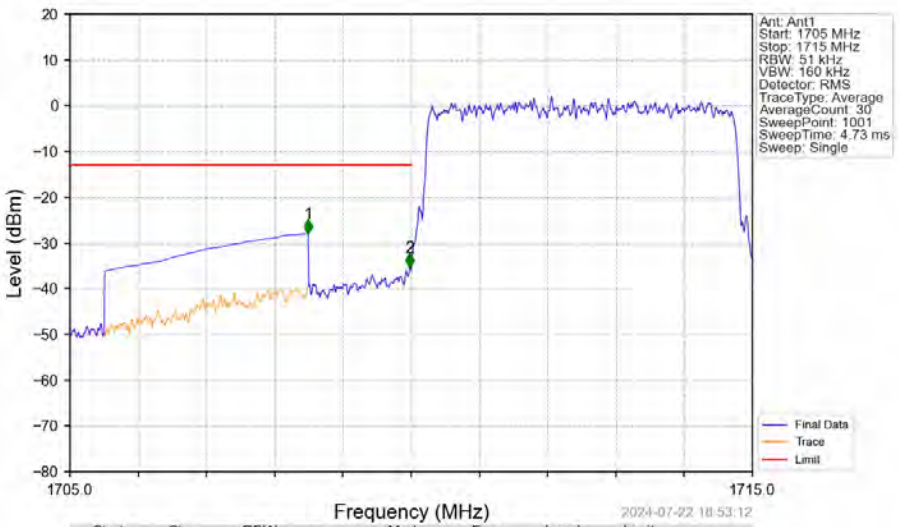
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

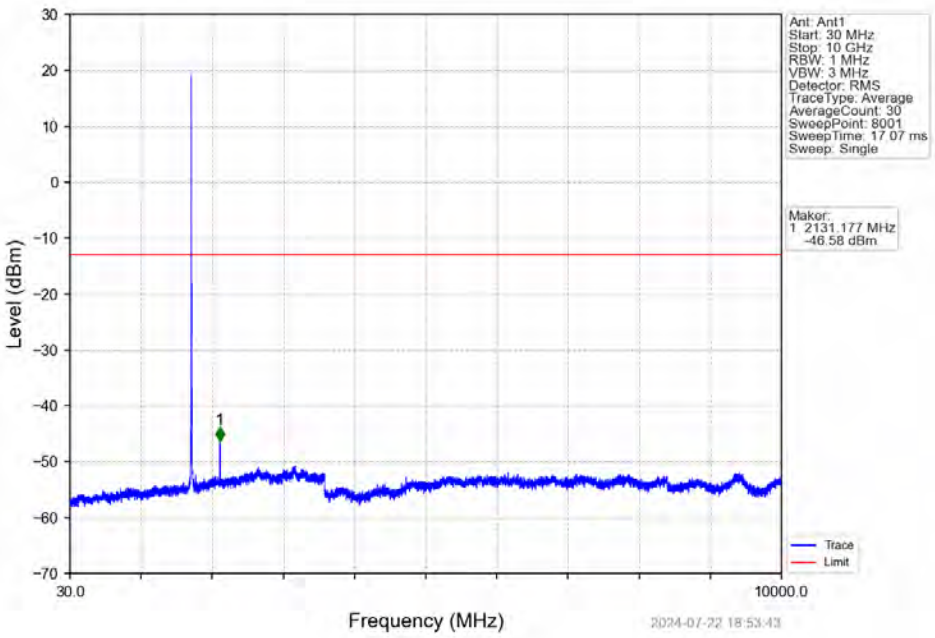


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

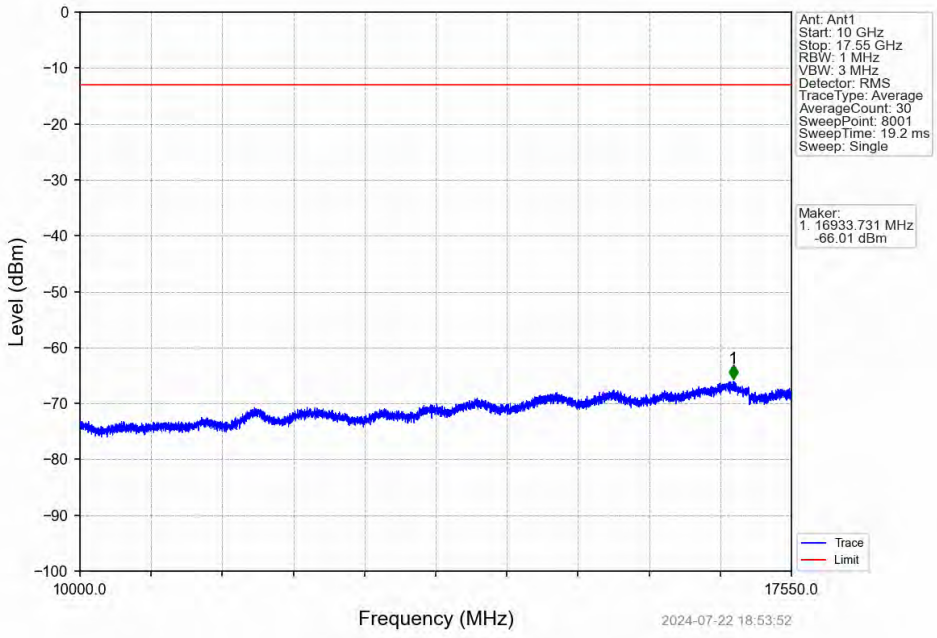


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-27.96	-13	Pass
1709	1710	0.051	/	2	1709.980	-35.42	-13	Pass
1710	1715	0.051	/	/	/	/	/	/

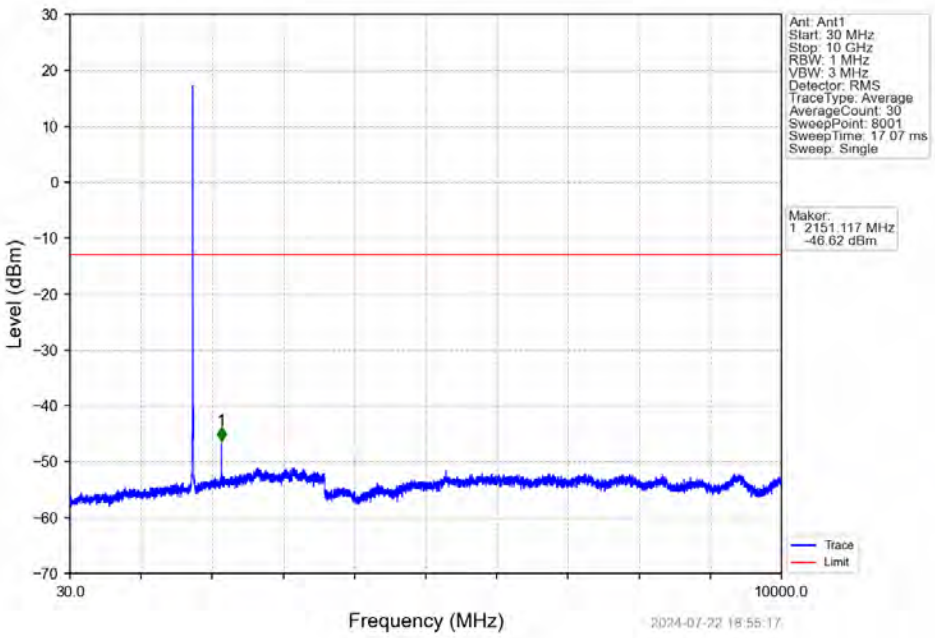
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



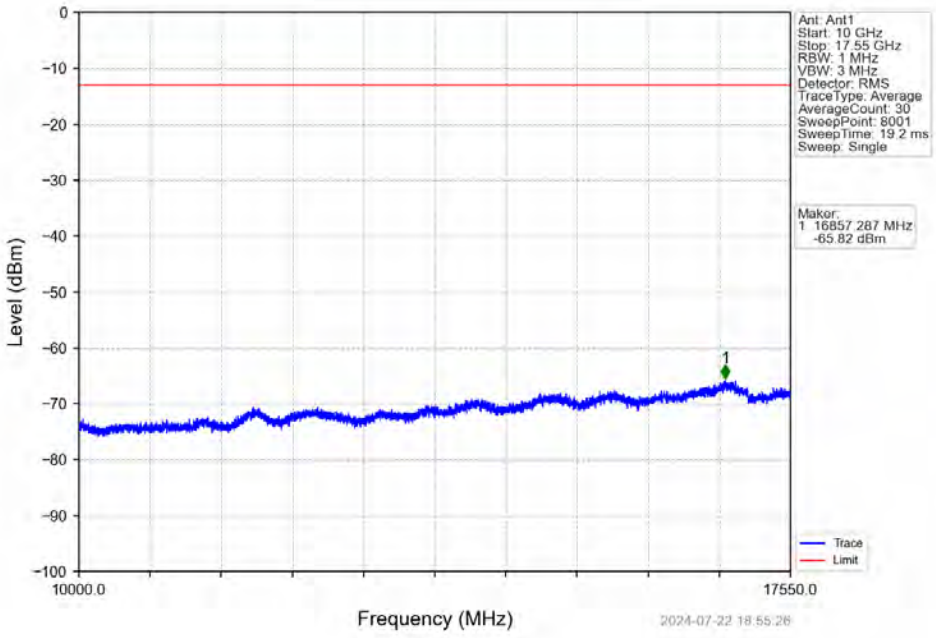
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



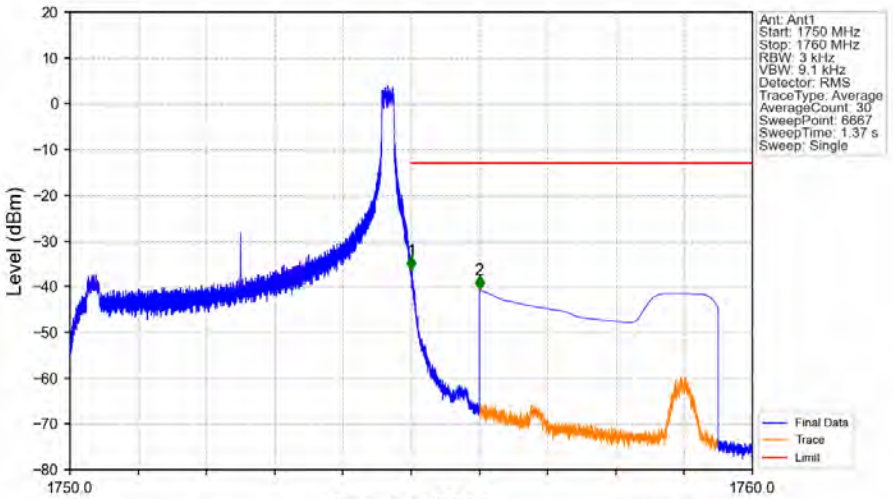
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV

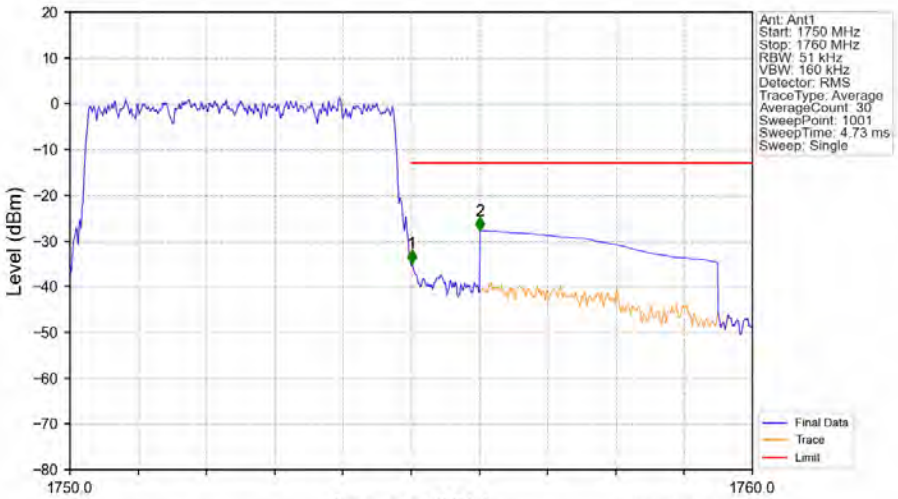


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-36.40	-13	Pass
1756	1760	1	CHP	2	1756.001	-40.71	-13	Pass

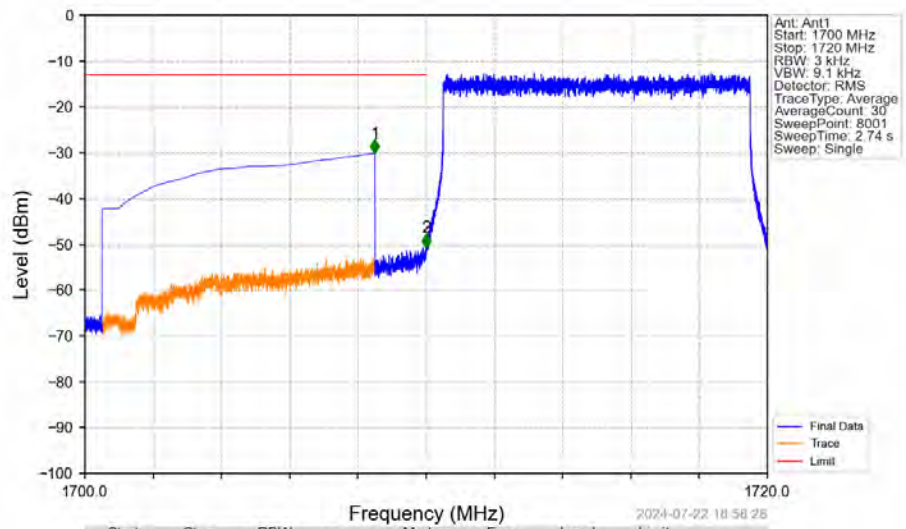
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.051	/	/	/	/	/	/
1755	1756	0.051	/	1	1755.010	-34.94	-13	Pass
1756	1760	1	CHP	2	1756.010	-27.81	-13	Pass

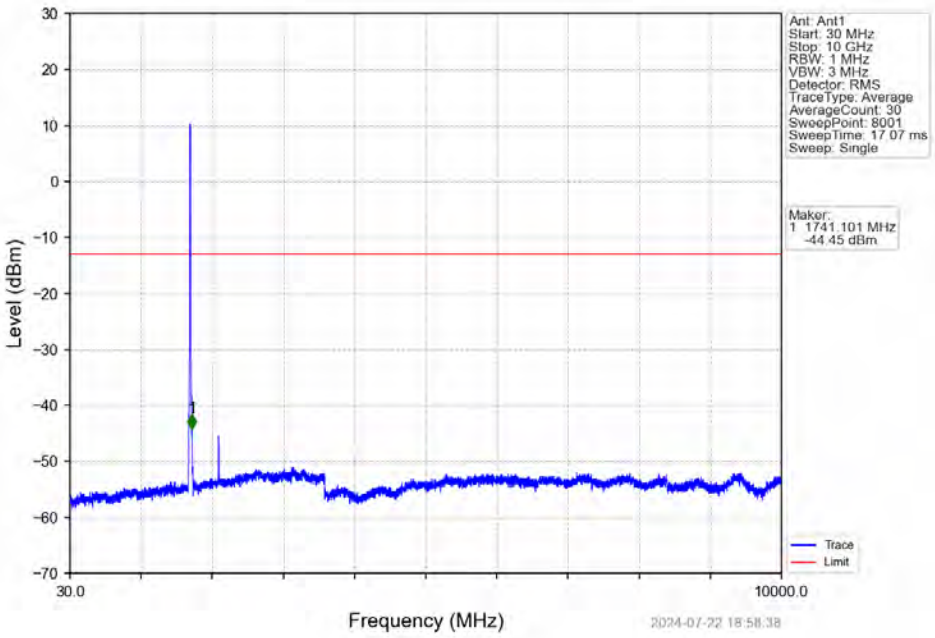
6.2.4 B4_10MHz

Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

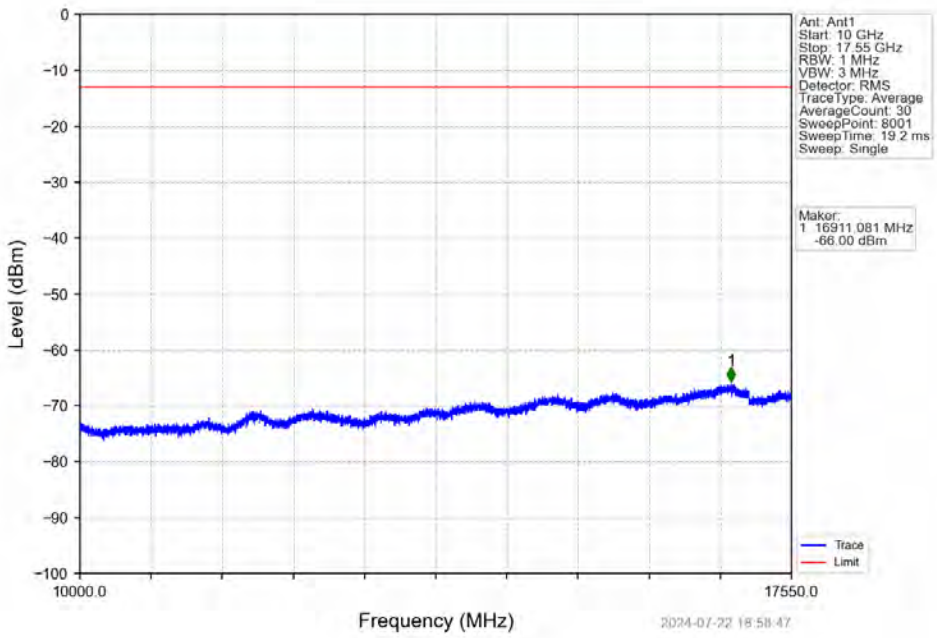


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.497	-30.19	-13	Pass
1709	1710	0.003	/	2	1710.000	-50.70	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

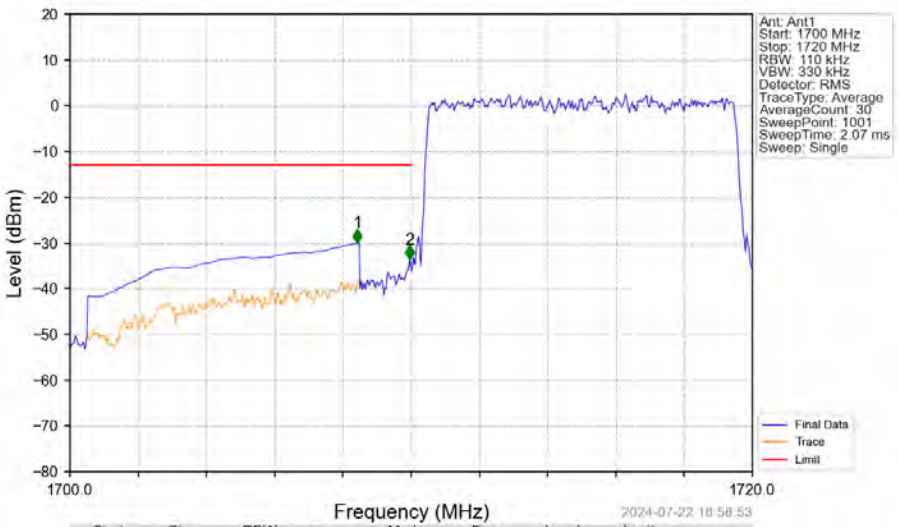
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

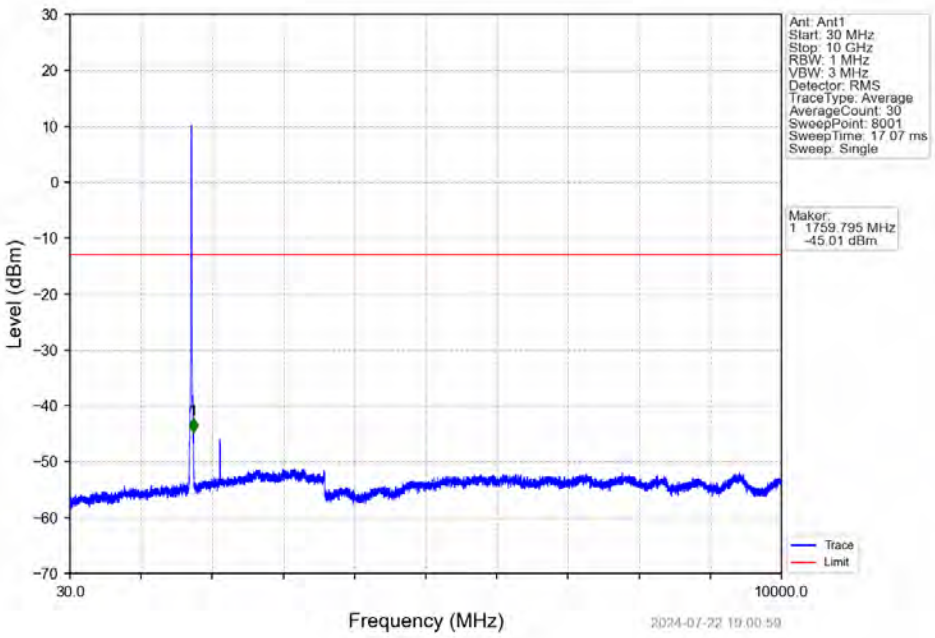


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

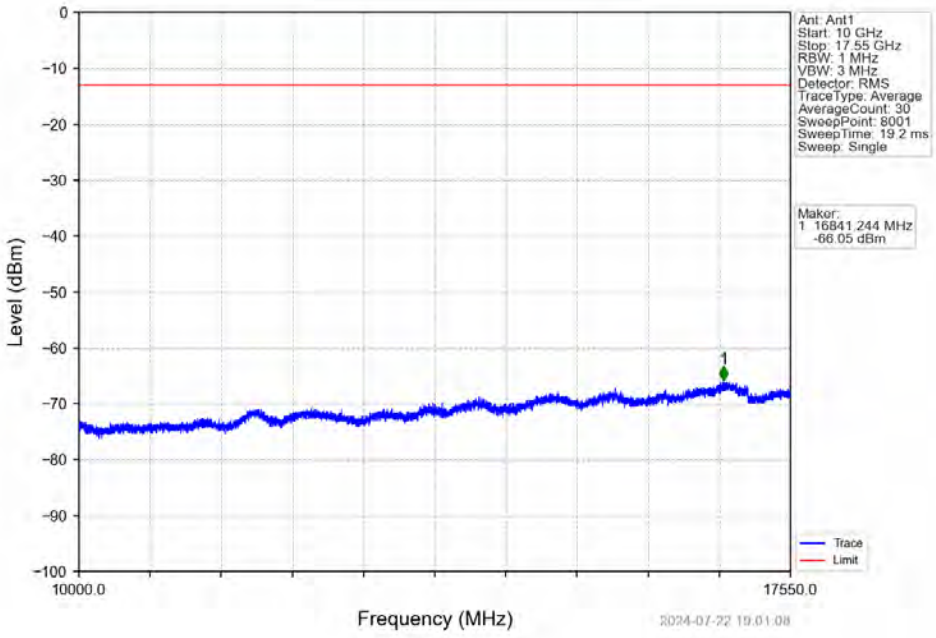


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.420	-30.01	-13	Pass
1709	1710	0.11	/	2	1709.960	-33.68	-13	Pass
1710	1720	0.11	/	/	/	/	/	/

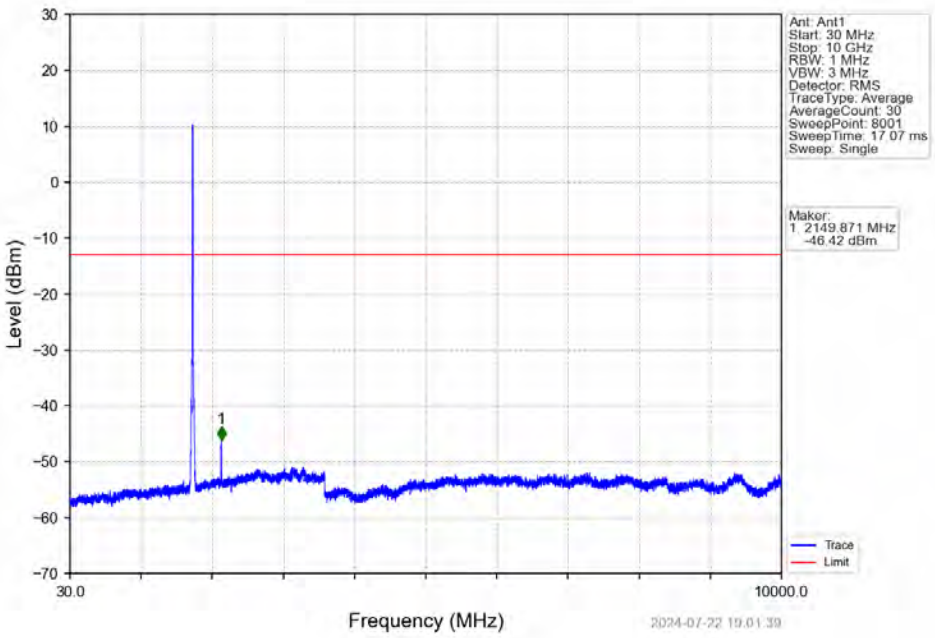
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



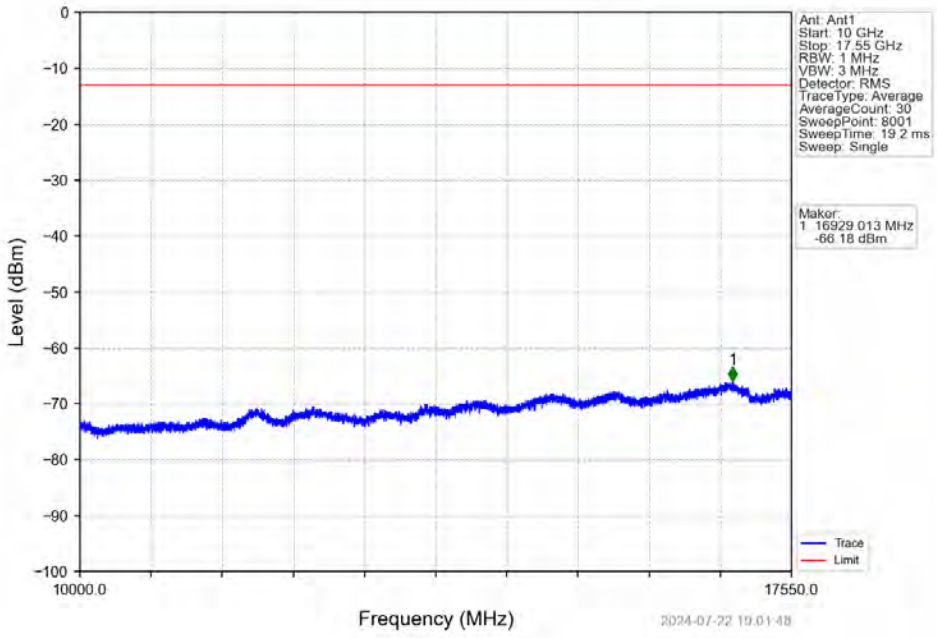
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



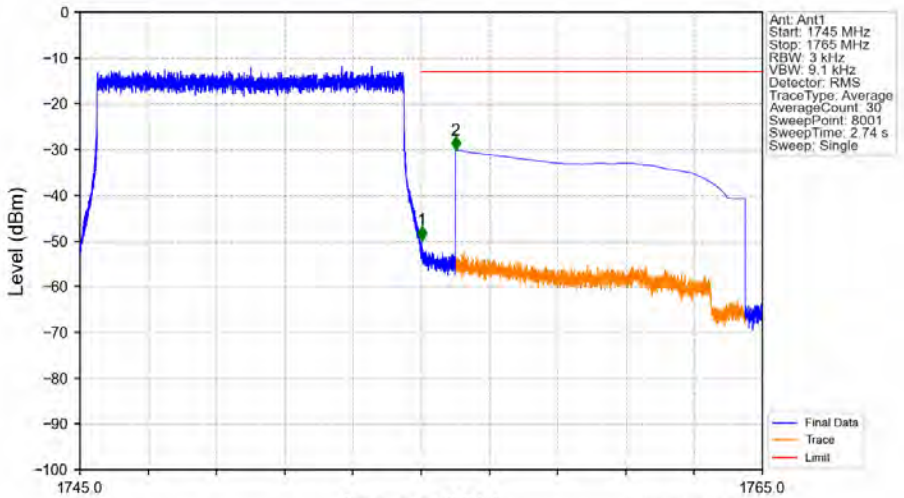
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV

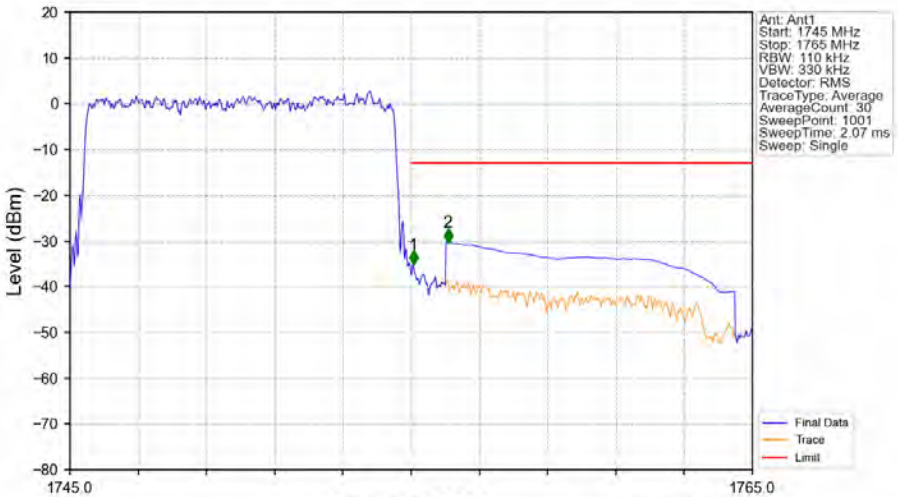


Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



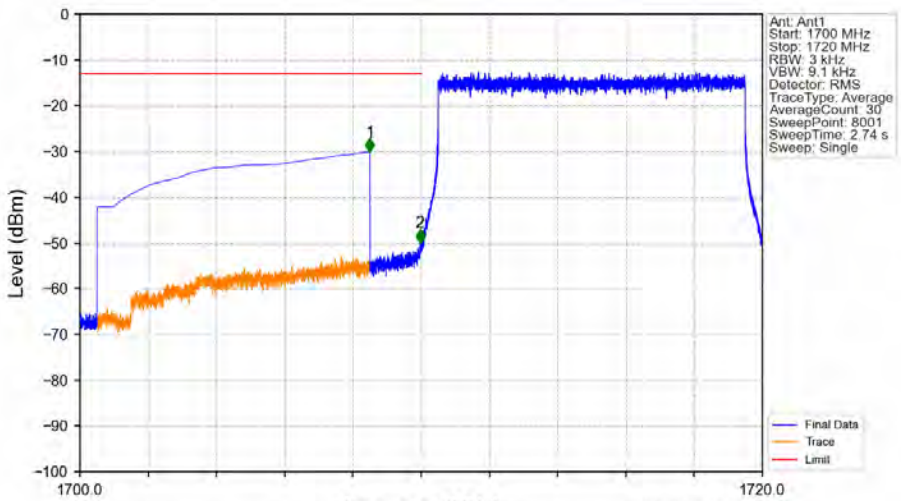
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.015	-49.83	-13	Pass
1756	1765	1	CHP	2	1756.005	-30.20	-13	Pass

Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



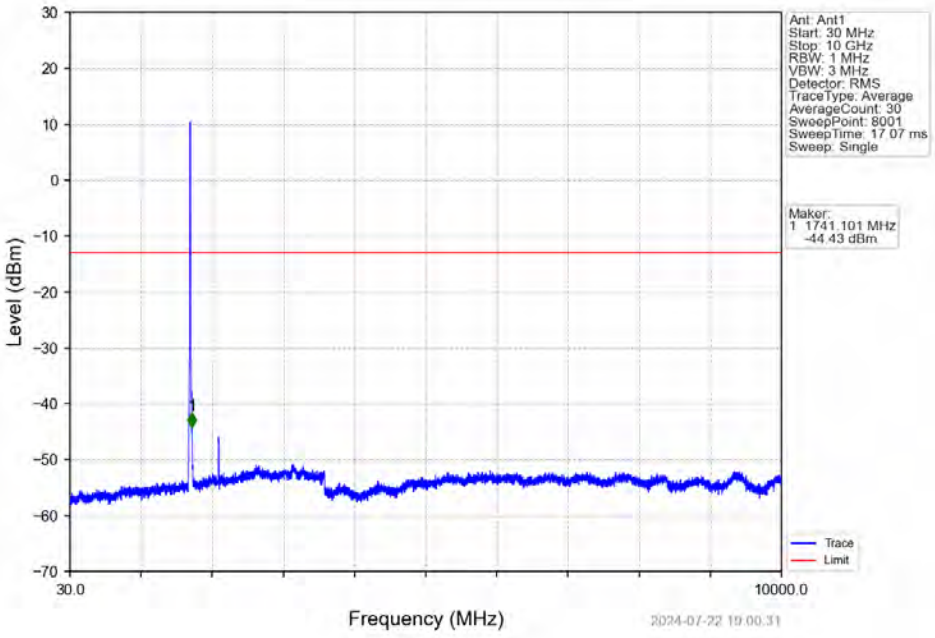
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.11	/	/	/	/	/	/
1755	1756	0.11	/	1	1755.060	-35.19	-13	Pass
1756	1765	1	CHP	2	1756.080	-30.36	-13	Pass

Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

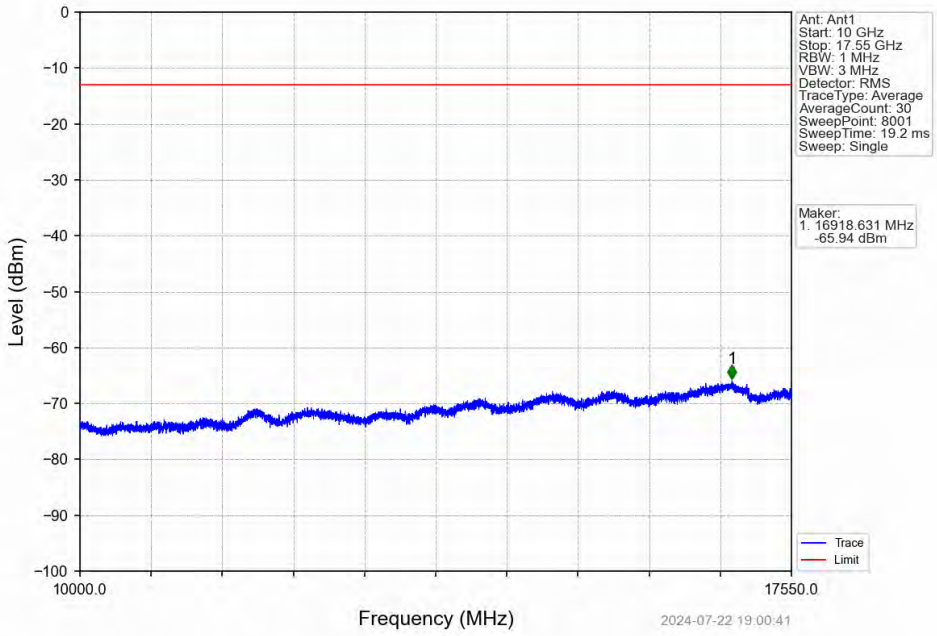


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.497	-30.13	-13	Pass
1709	1710	0.003	/	2	1709.965	-50.01	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

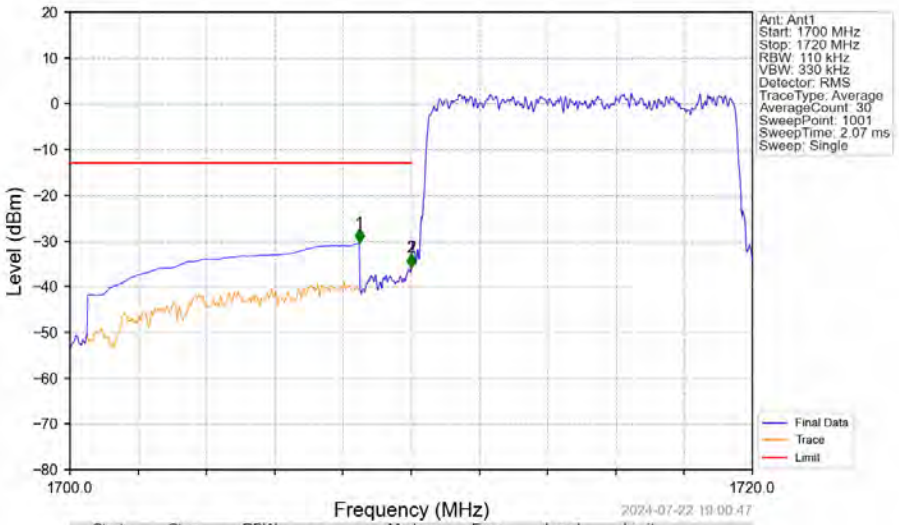
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

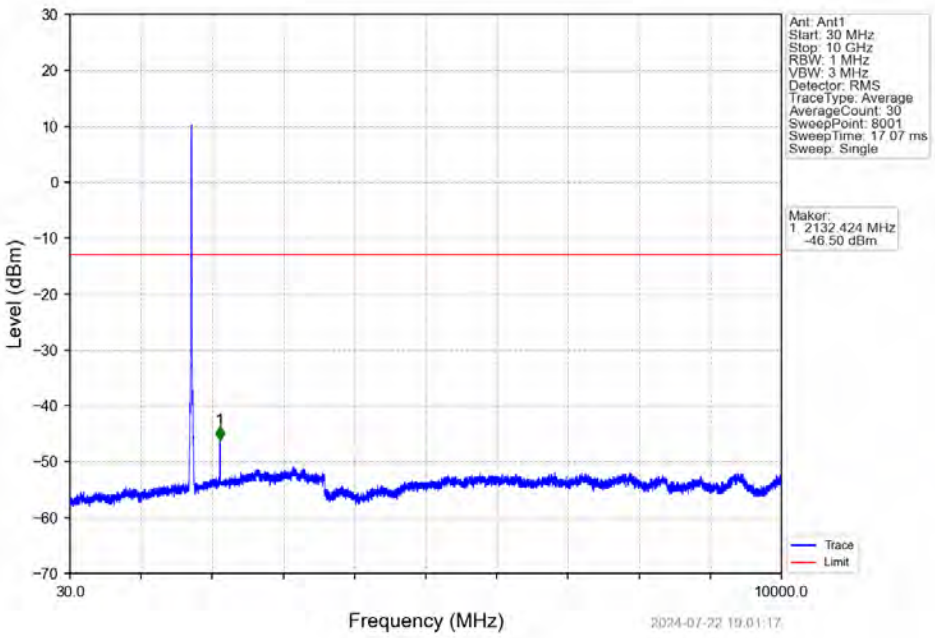


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

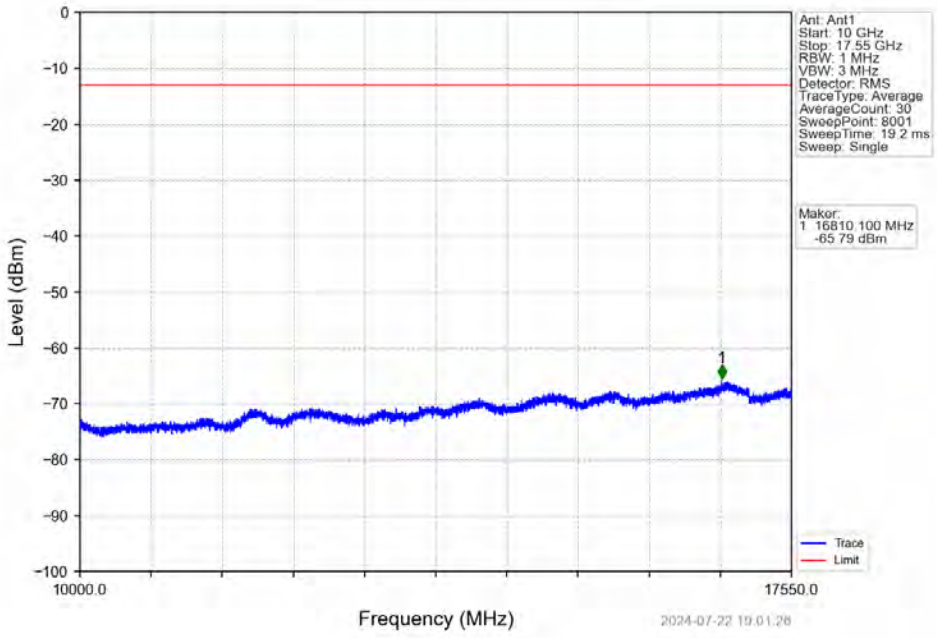


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-30.43	-13	Pass
1709	1710	0.11	/	2	1710.000	-35.83	-13	Pass
1710	1720	0.11	/	/	/	/	/	/

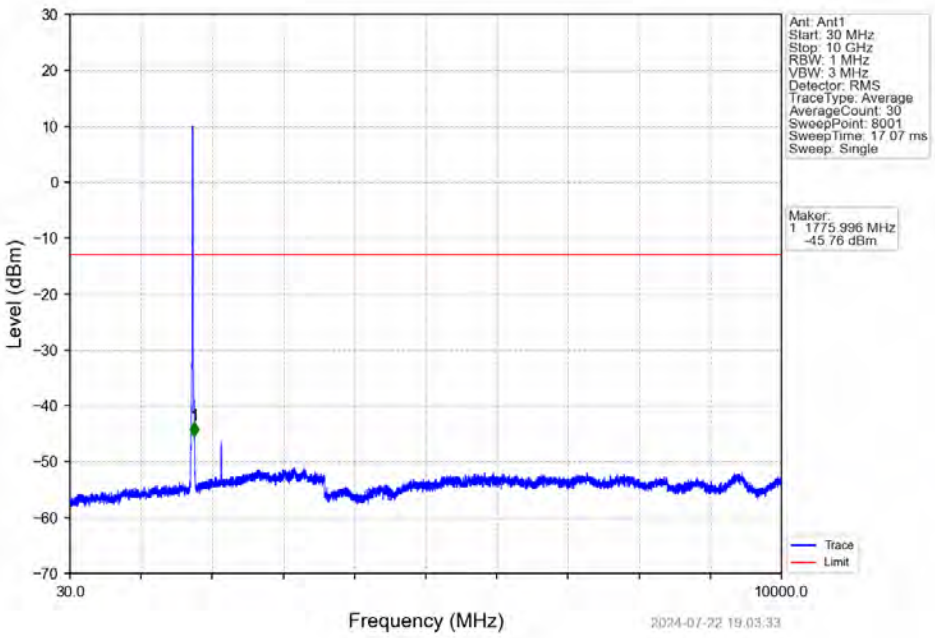
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



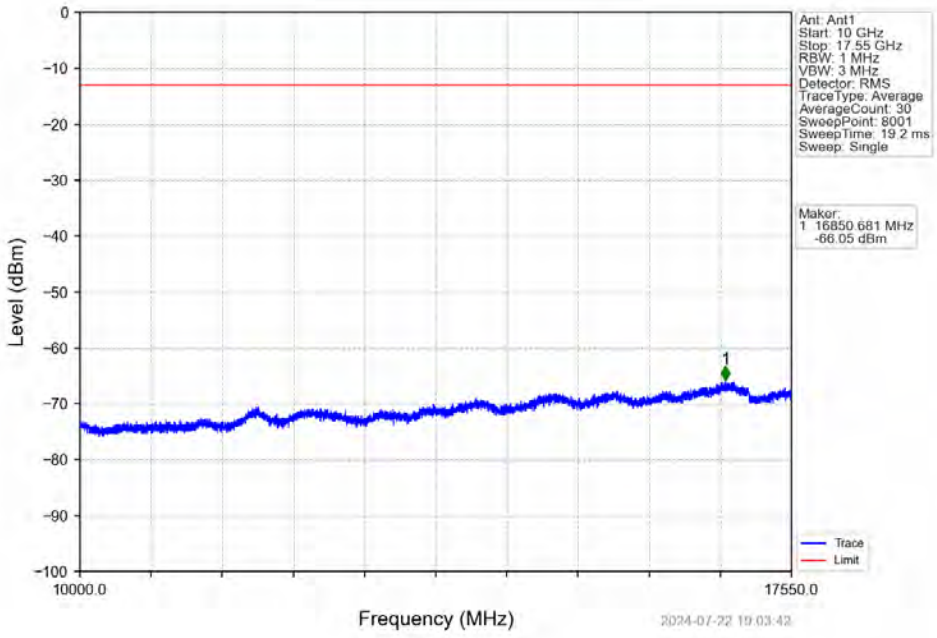
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



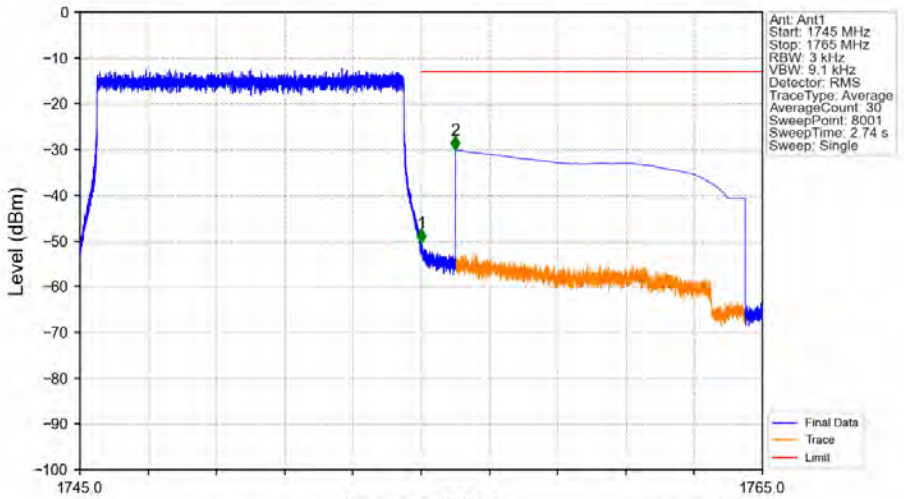
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV

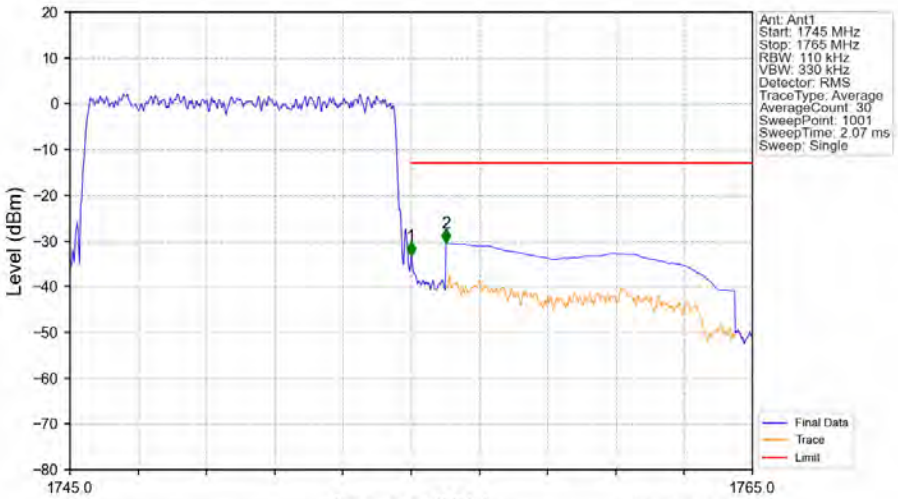


Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-50.40	-13	Pass
1756	1765	1	CHP	2	1756.003	-30.11	-13	Pass

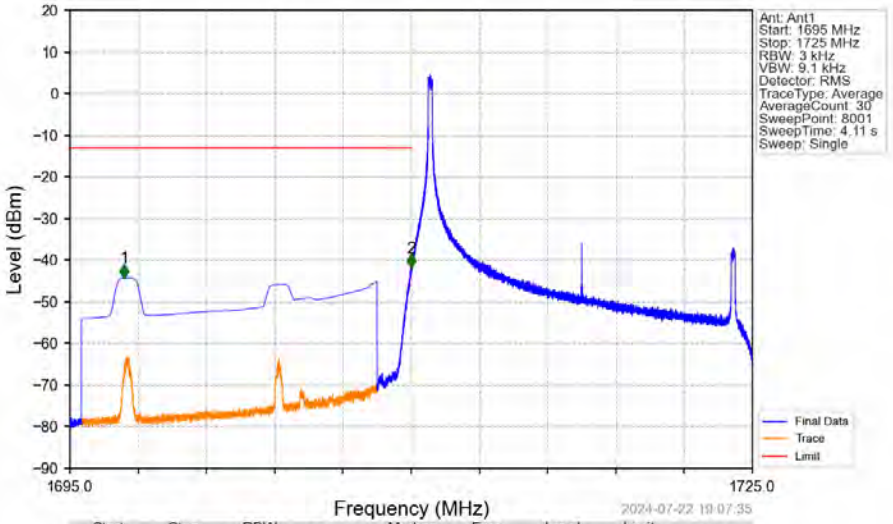
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.11	/	/	/	/	/	/
1755	1756	0.11	/	1	1755.000	-33.32	-13	Pass
1756	1765	1	CHP	2	1756.020	-30.47	-13	Pass

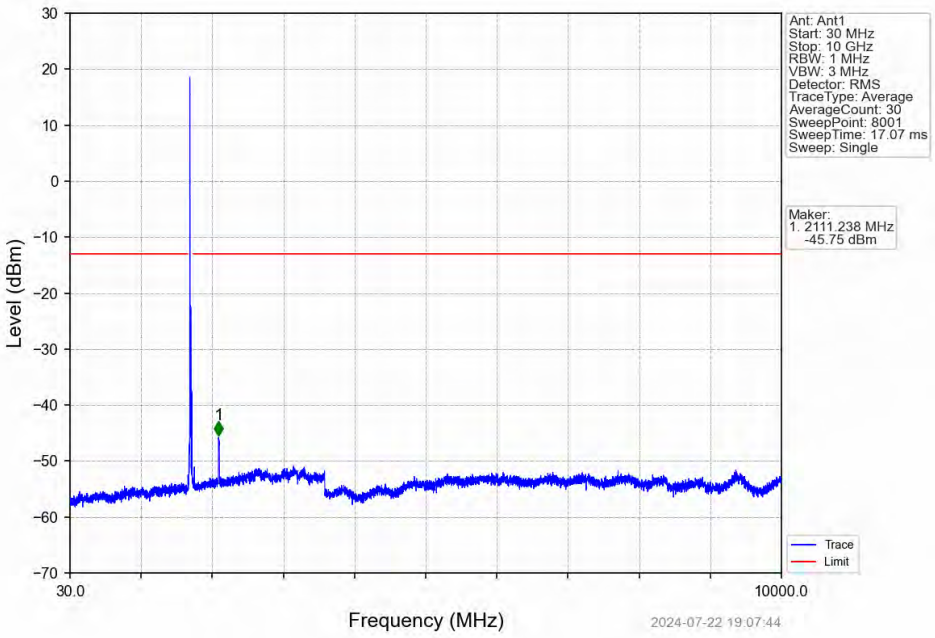
6.2.5 B4_15MHz

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

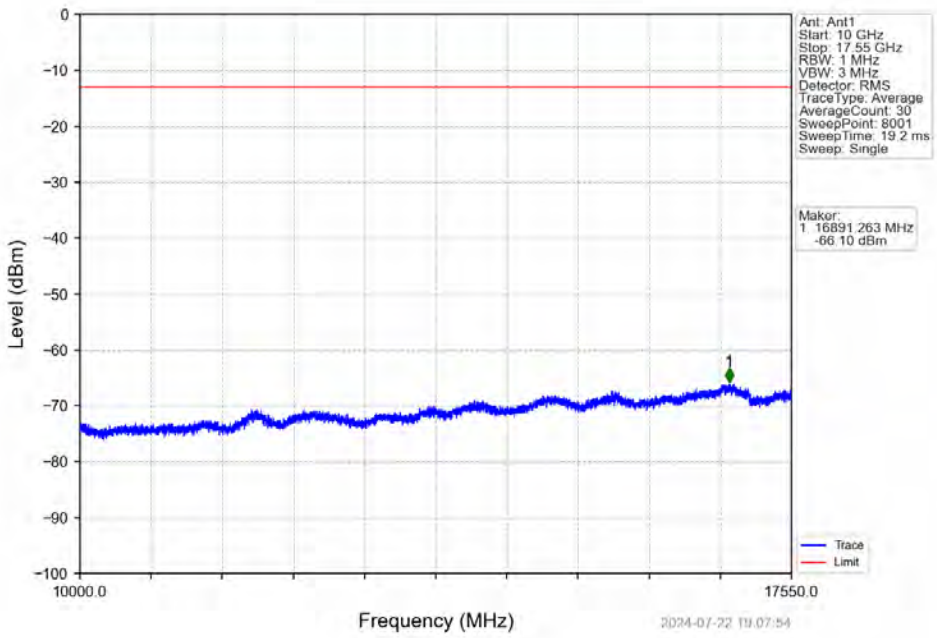


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1697.392	-44.32	-13	Pass
1709	1710	0.003	/	2	1709.996	-41.84	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

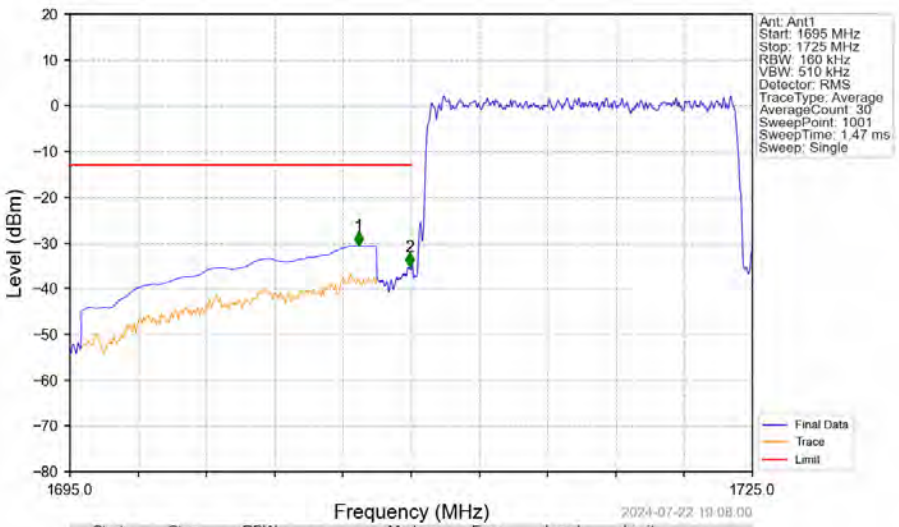
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

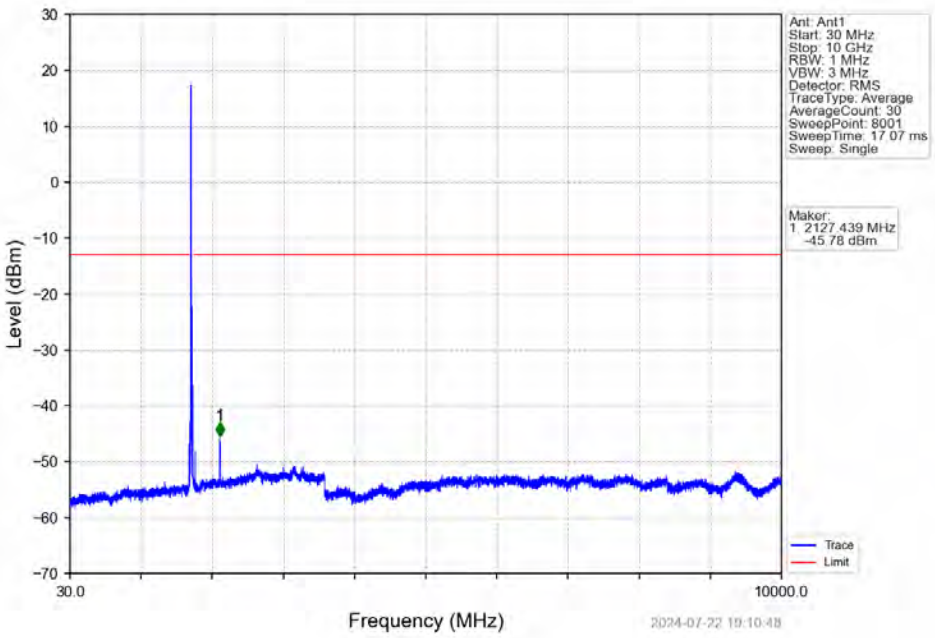


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

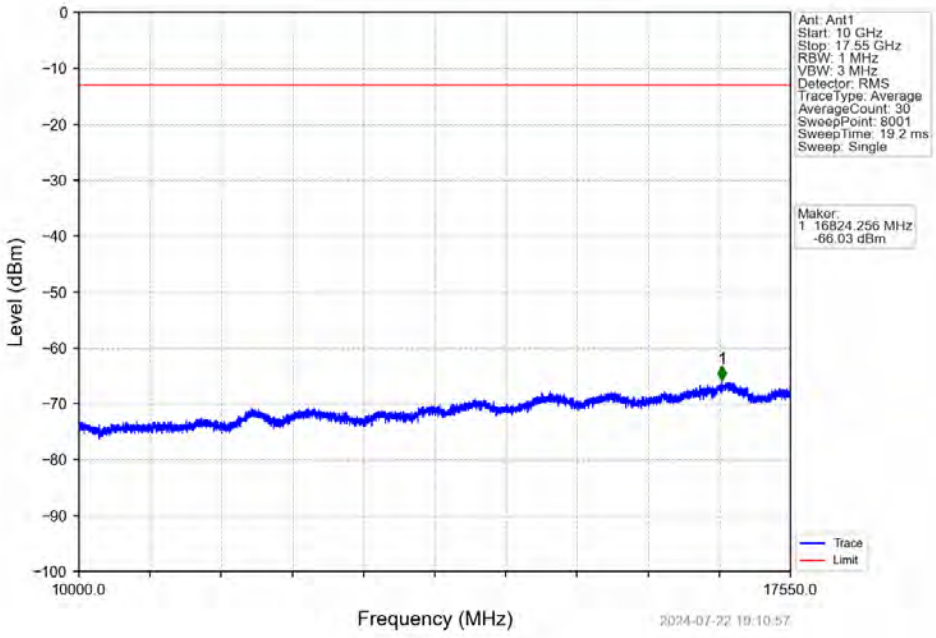


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.690	-30.62	-13	Pass
1709	1710	0.16	/	2	1709.940	-35.23	-13	Pass
1710	1725	0.16	/	/	/	/	/	/

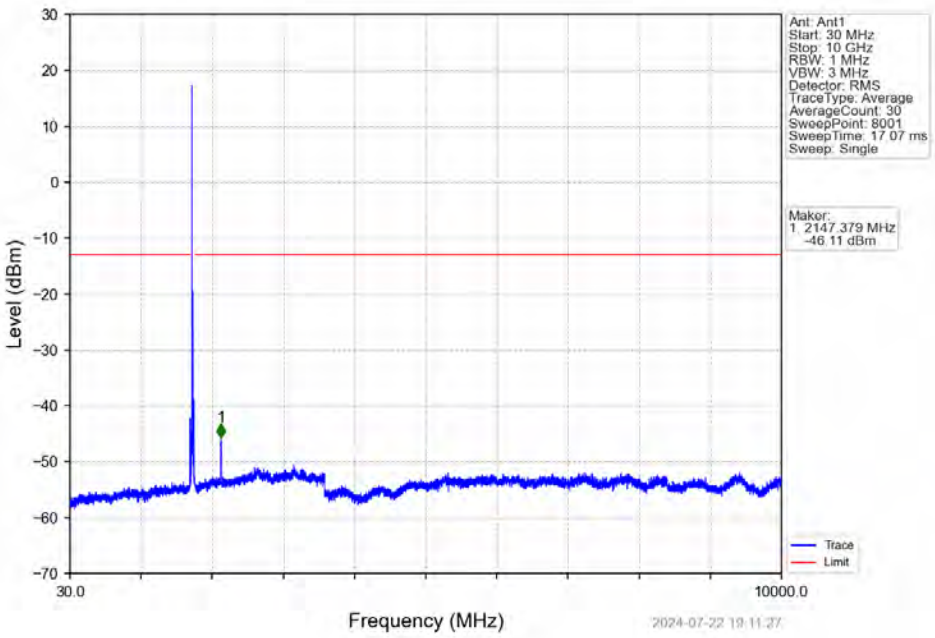
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



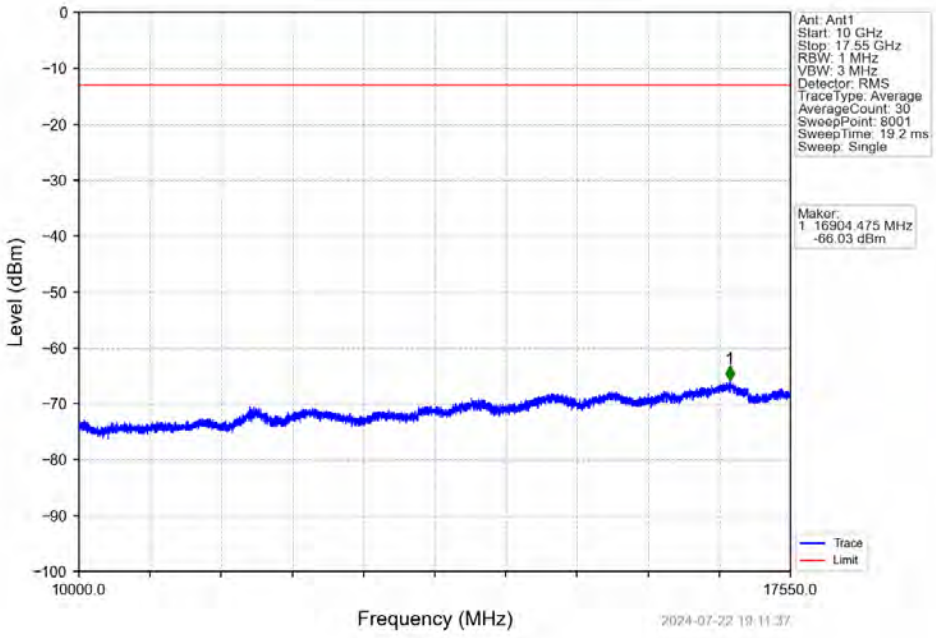
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



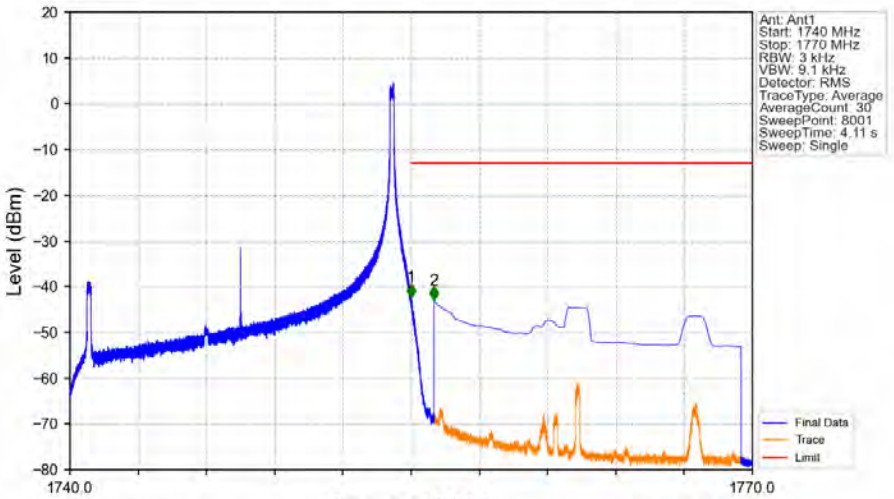
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV

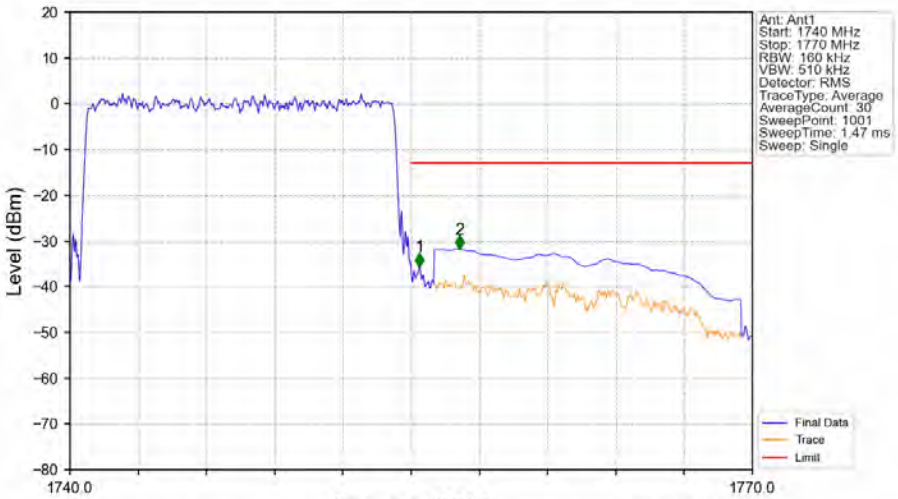


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



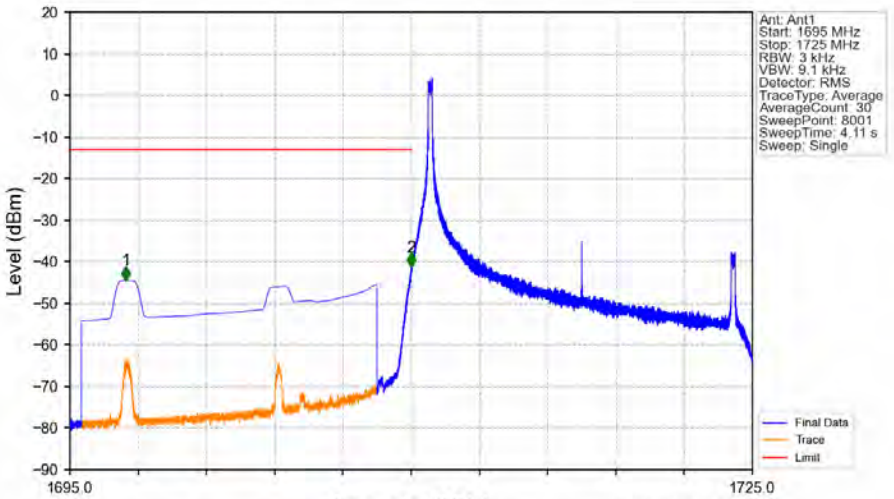
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-42.36	-13	Pass
1756	1770	1	CHP	2	1756.001	-42.94	-13	Pass

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



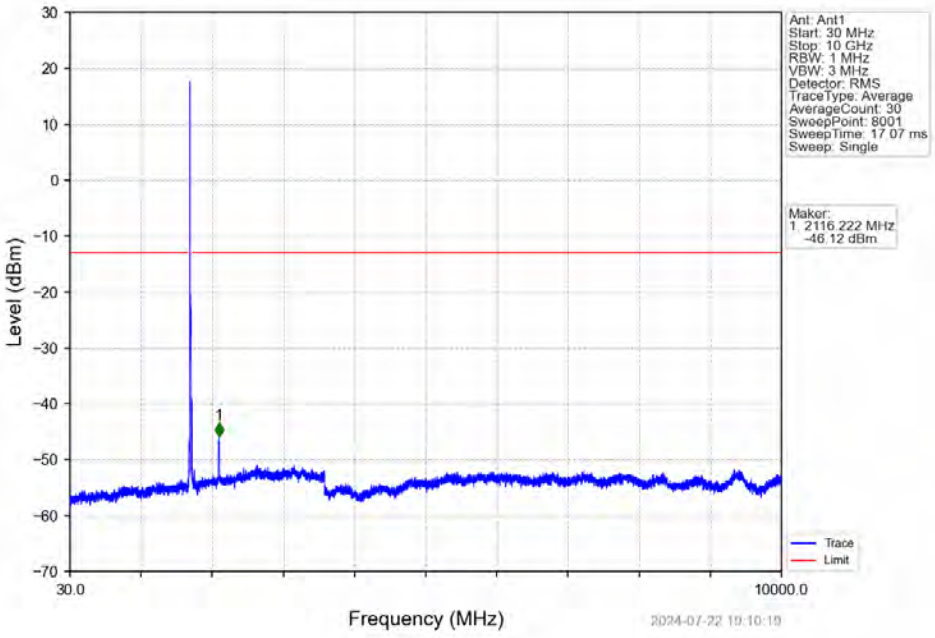
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.16	/	/	/	/	/	/
1755	1756	0.16	/	1	1755.360	-35.65	-13	Pass
1756	1770	1	CHP	2	1757.130	-31.80	-13	Pass

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

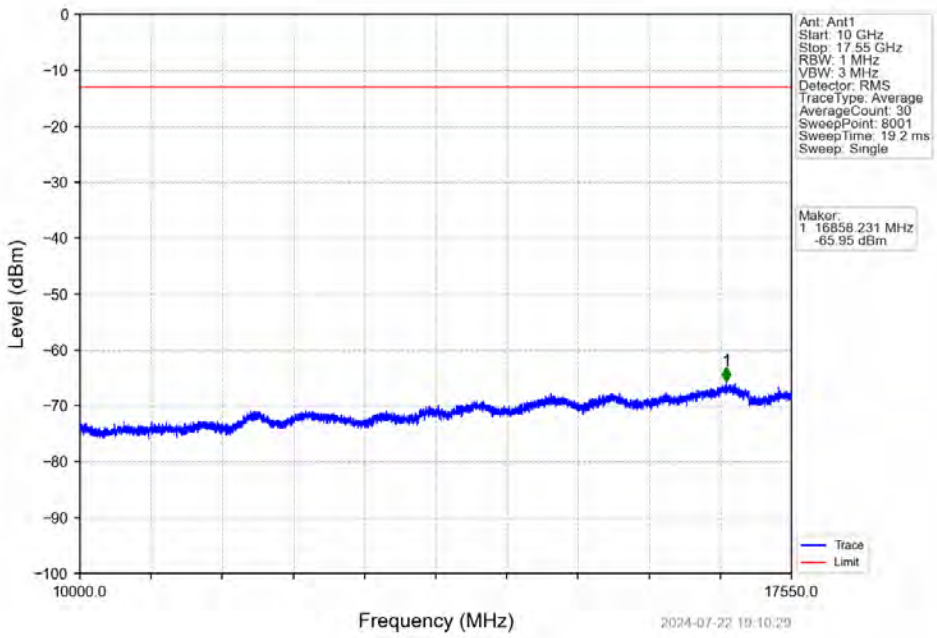


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1697.464	-44.51	-13	Pass
1709	1710	0.003	/	2	1710.000	-41.28	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

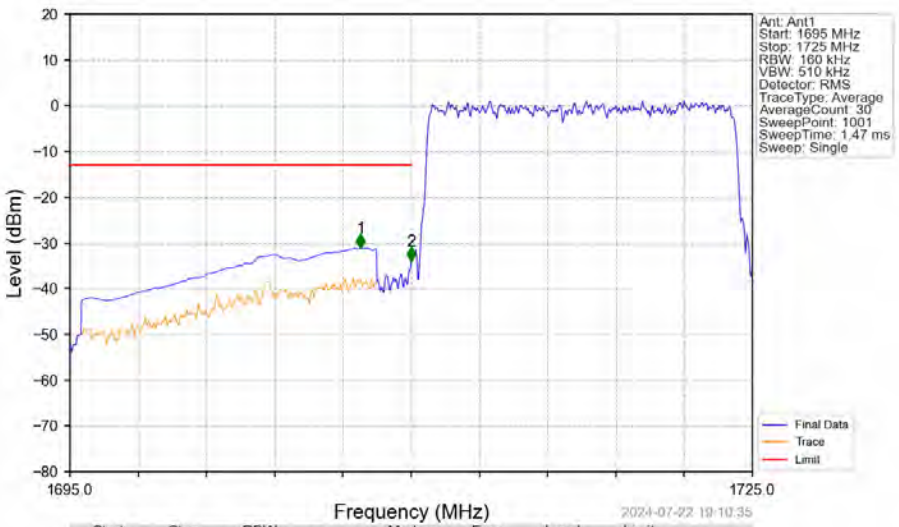
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

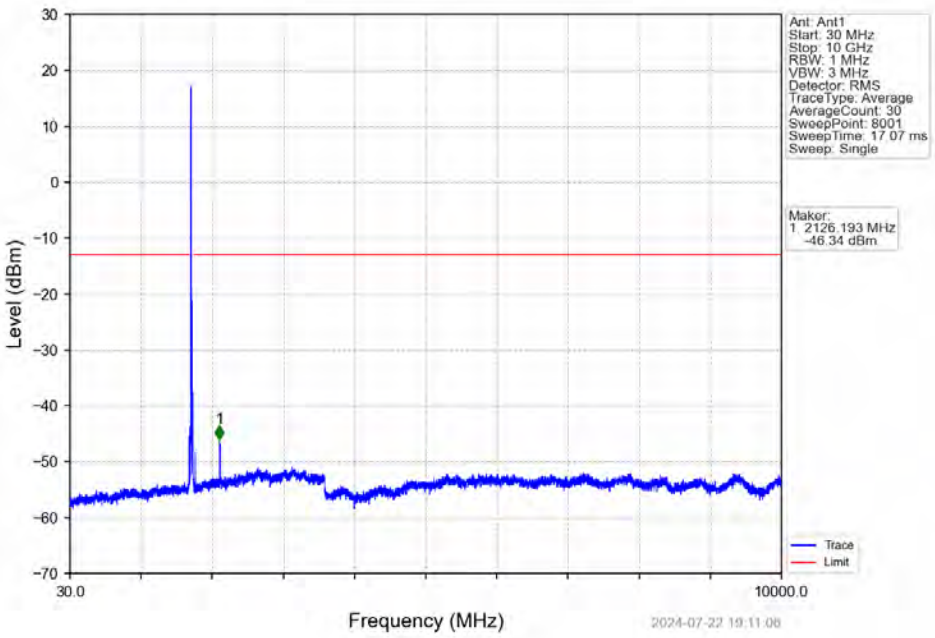


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

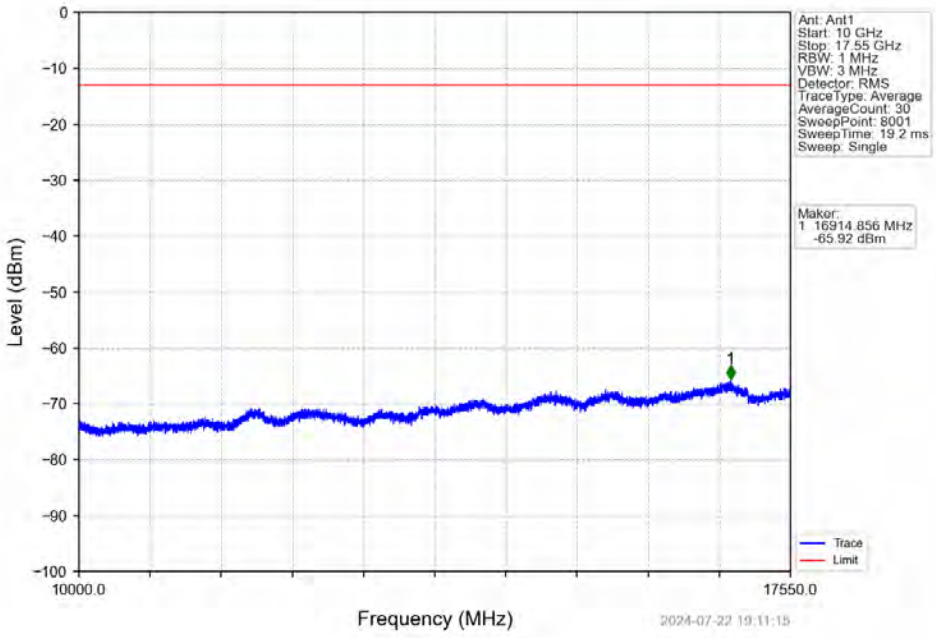


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.780	-31.20	-13	Pass
1709	1710	0.16	/	2	1710.000	-33.96	-13	Pass
1710	1725	0.16	/	/	/	/	/	/

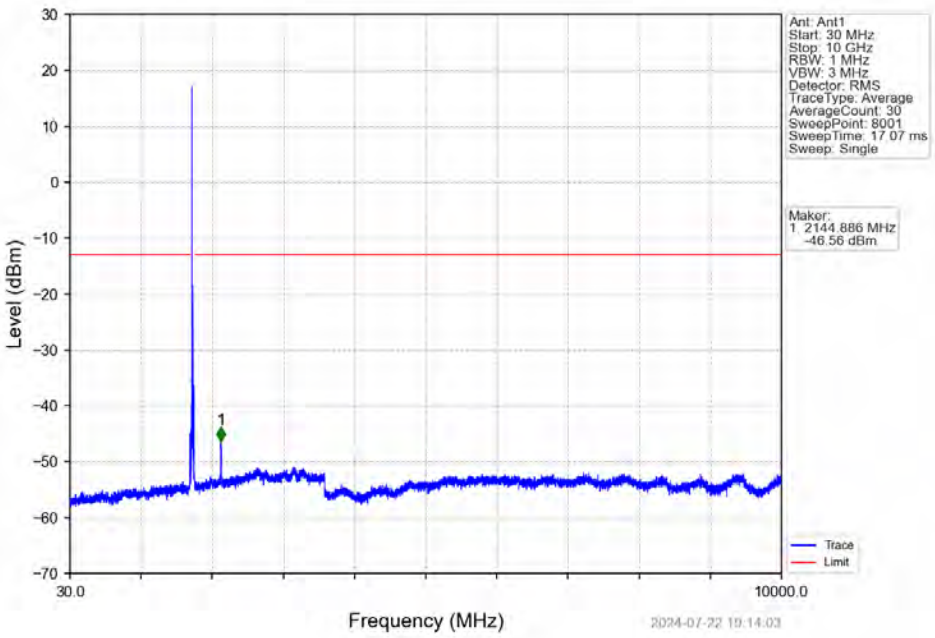
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



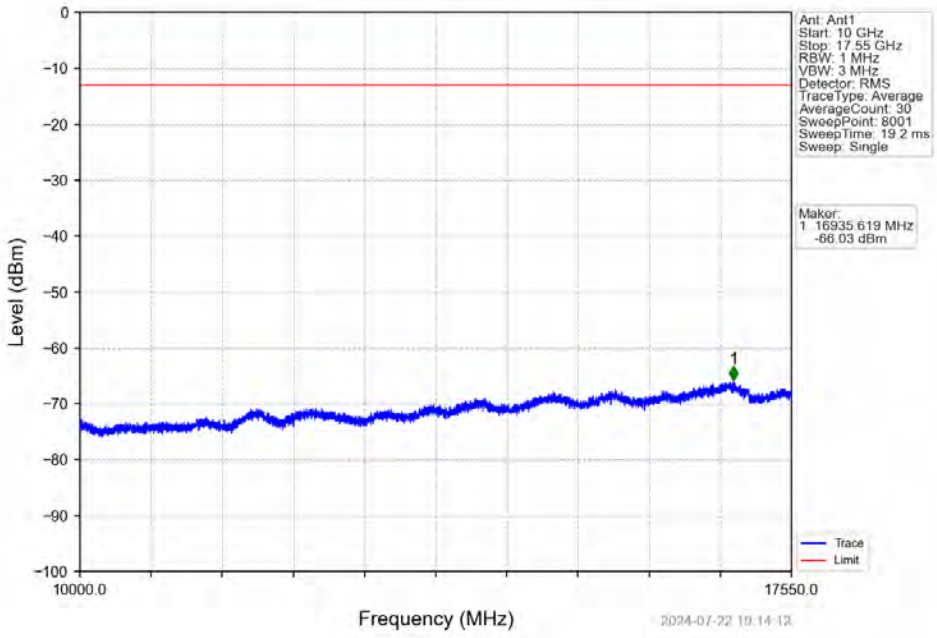
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



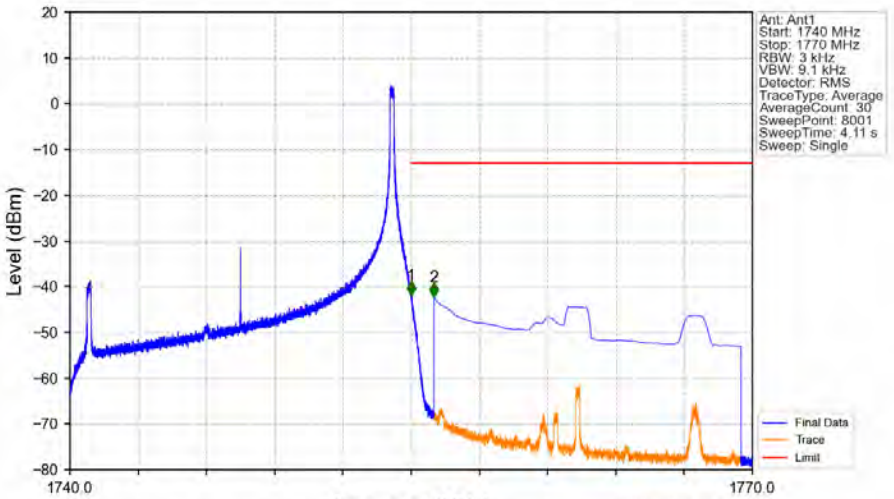
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV

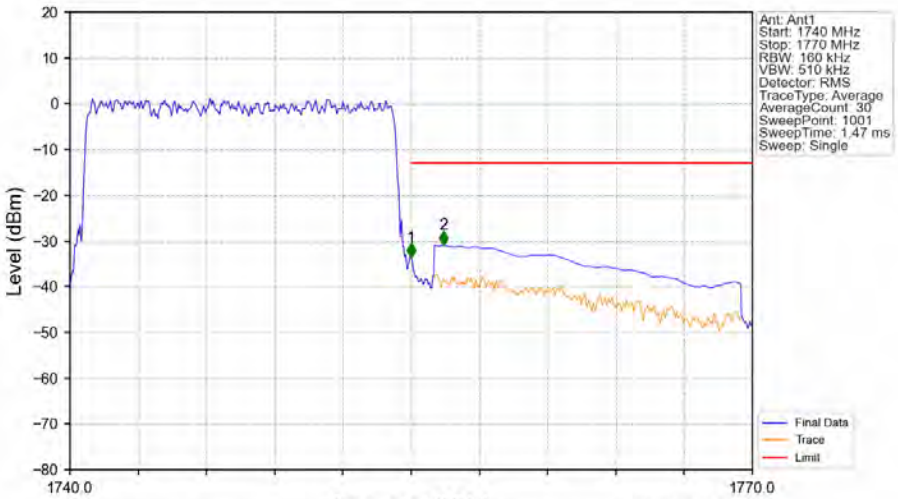


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-41.97	-13	Pass
1756	1770	1	CHP	2	1756.001	-42.29	-13	Pass

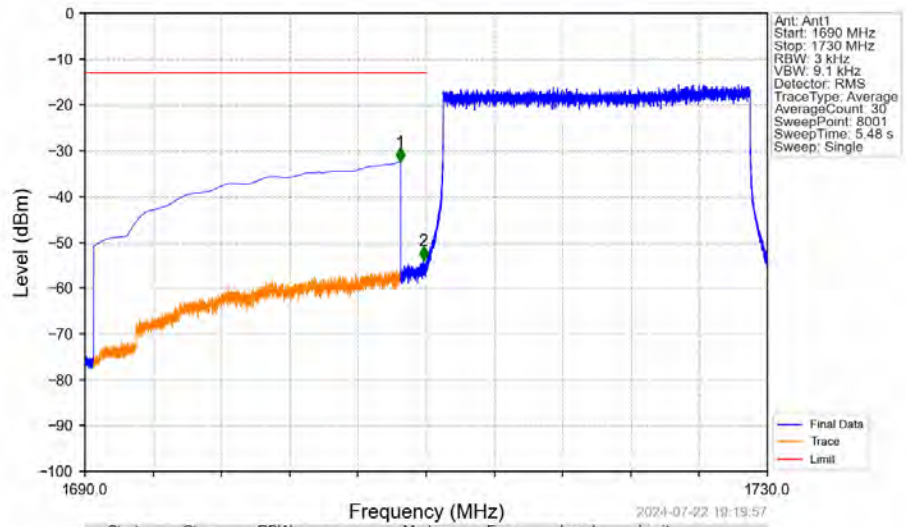
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.16	/	/	/	/	/	/
1755	1756	0.16	/	1	1755.000	-33.64	-13	Pass
1756	1770	1	CHP	2	1756.410	-30.91	-13	Pass

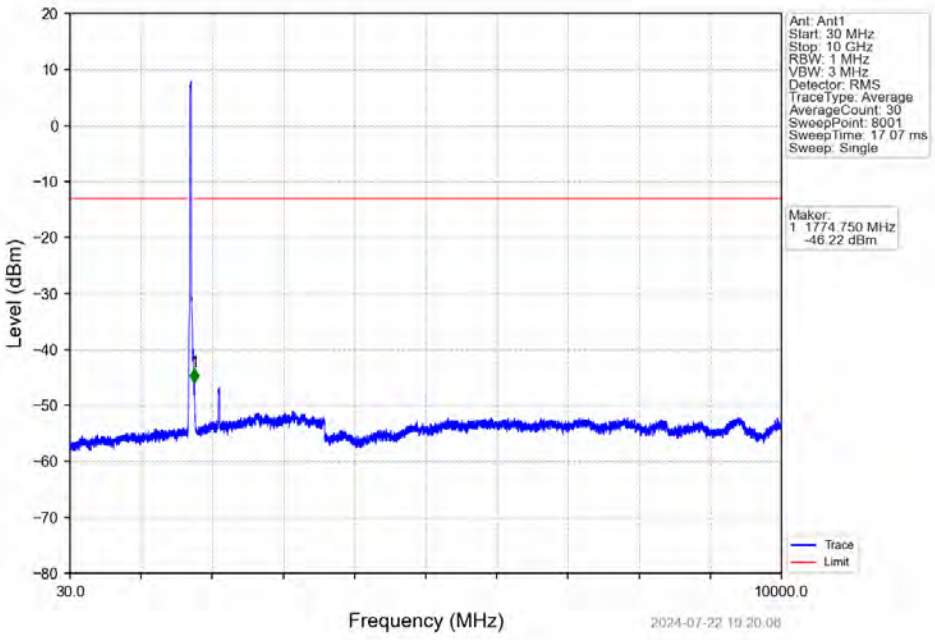
6.2.6 B4_20MHz

Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

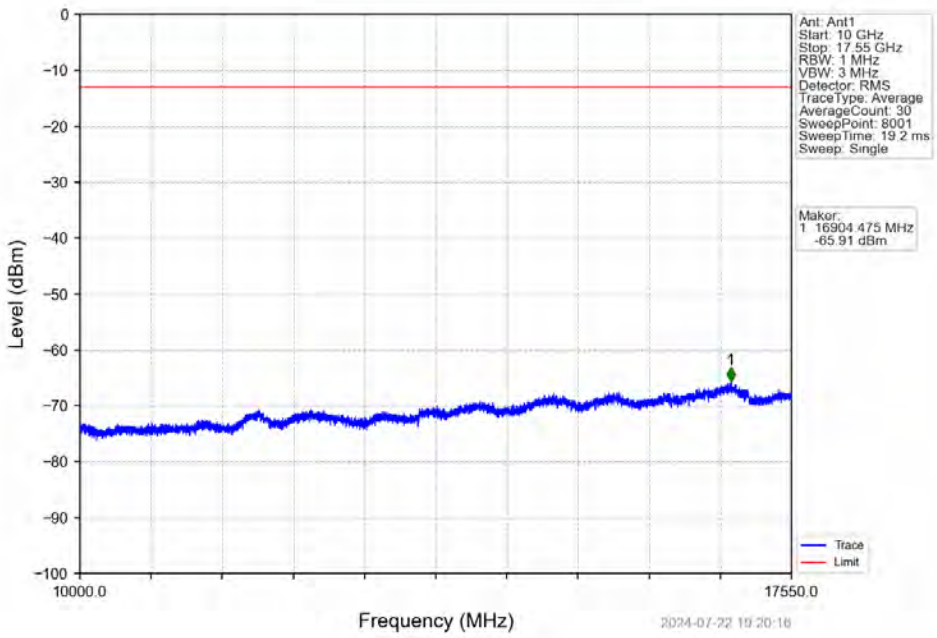


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.485	-32.41	-13	Pass
1709	1710	0.003	/	2	1709.840	-53.95	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

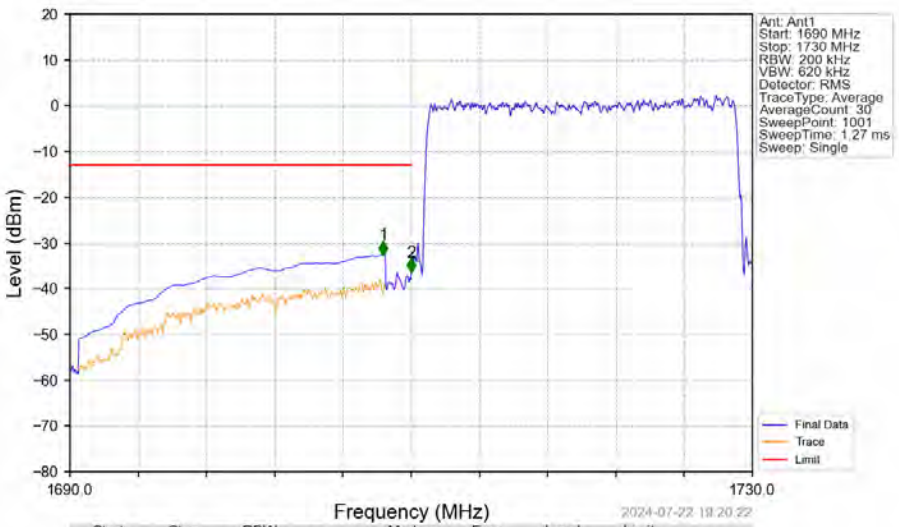
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

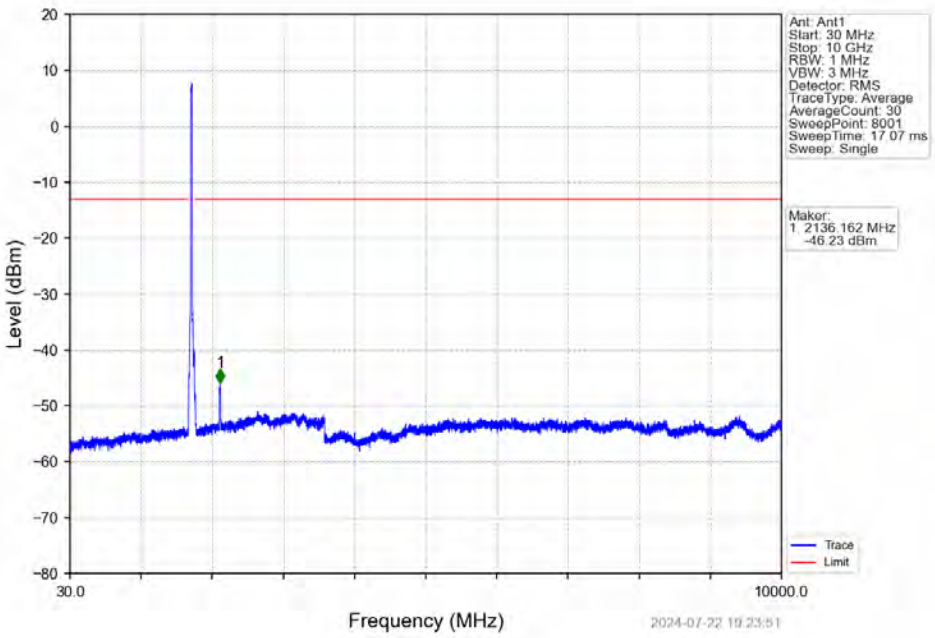


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

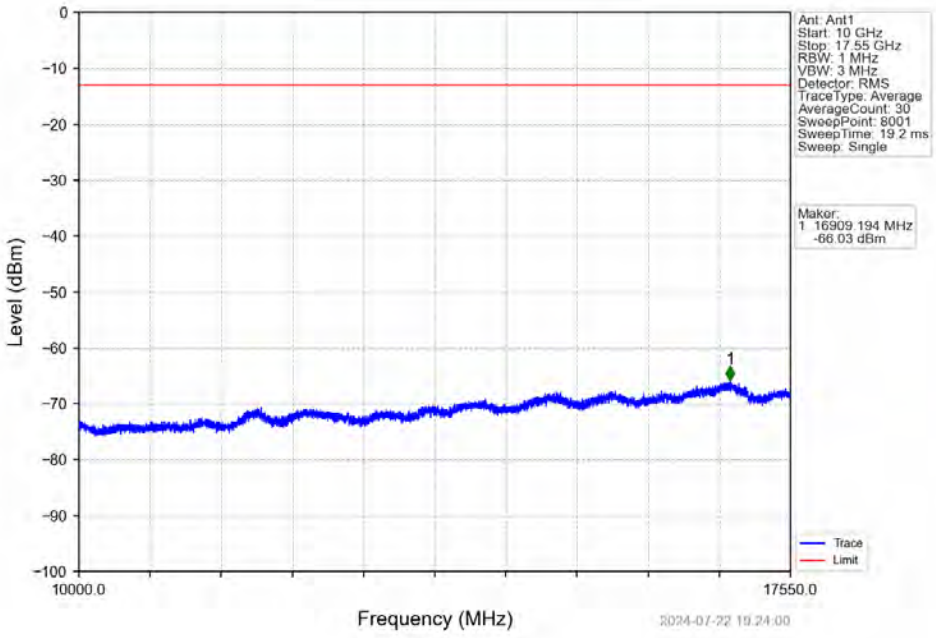


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.360	-32.66	-13	Pass
1709	1710	0.2	/	2	1710.000	-36.48	-13	Pass
1710	1730	0.2	/	/	/	/	/	/

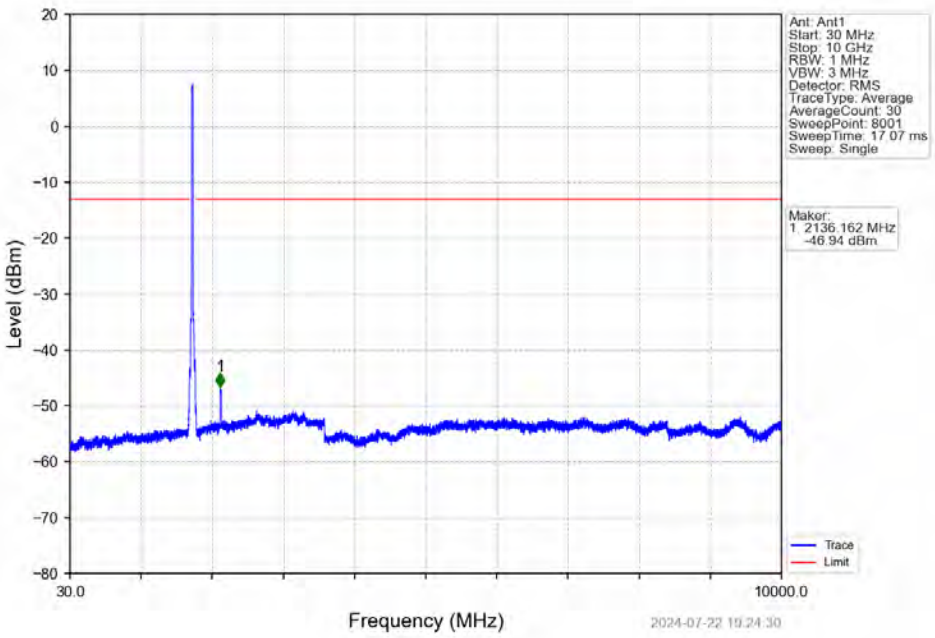
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



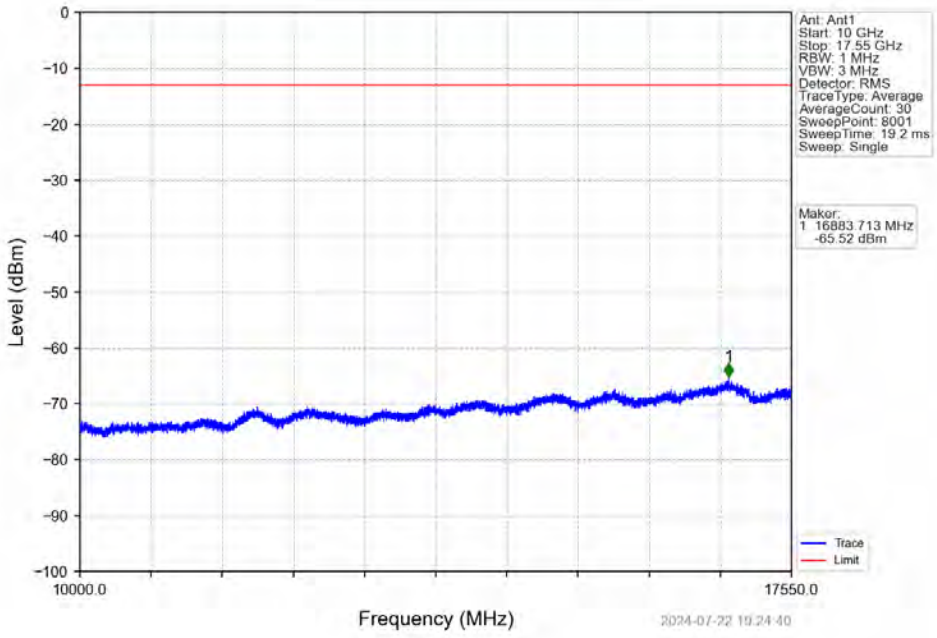
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



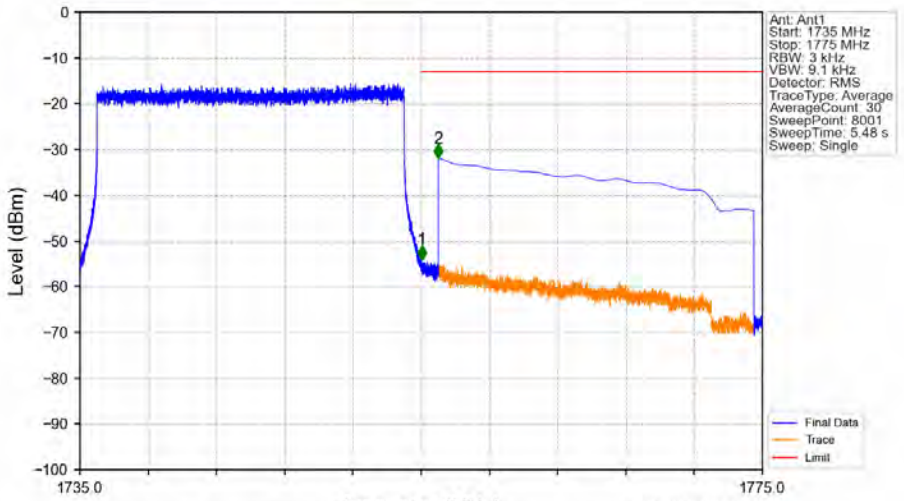
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

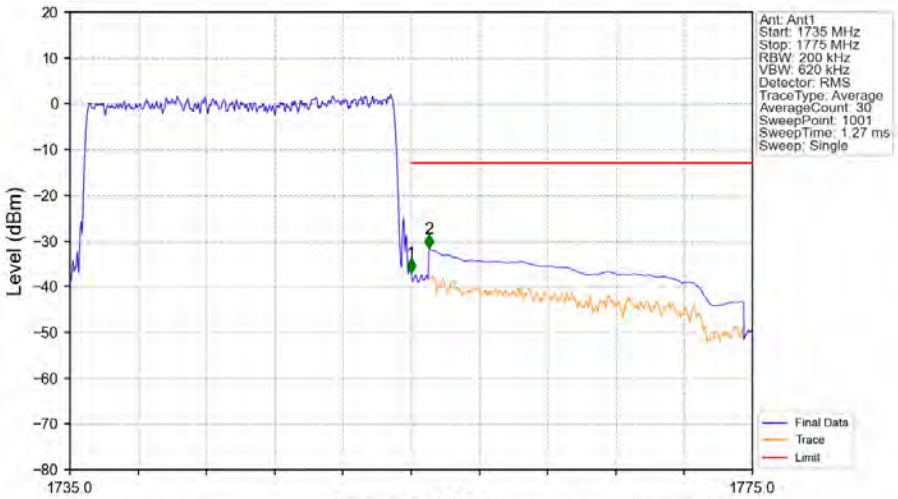


Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



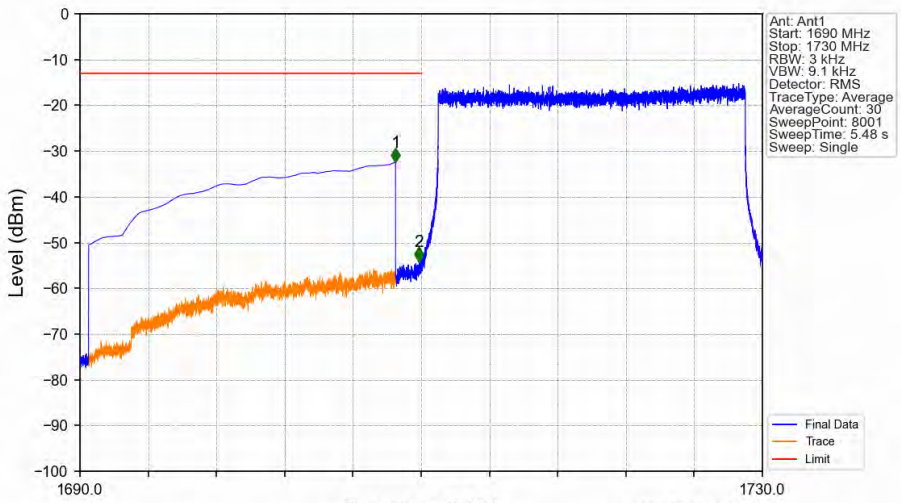
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.025	-54.05	-13	Pass
1756	1775	1	CHP	2	1756.005	-31.87	-13	Pass

Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



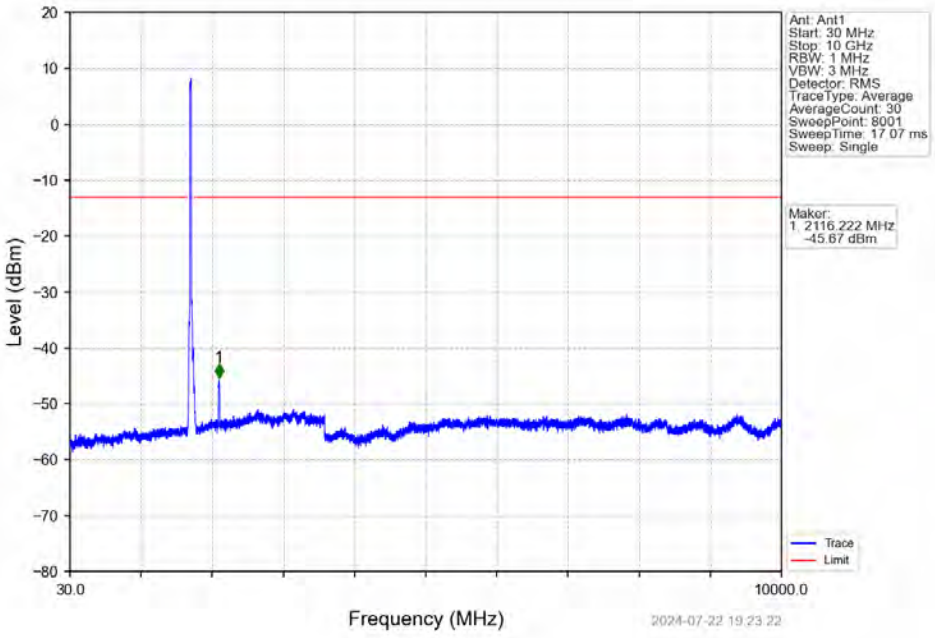
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.2	/	/	/	/	/	/
1755	1756	0.2	/	1	1755.000	-36.98	-13	Pass
1756	1775	1	CHP	2	1756.040	-31.74	-13	Pass

Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

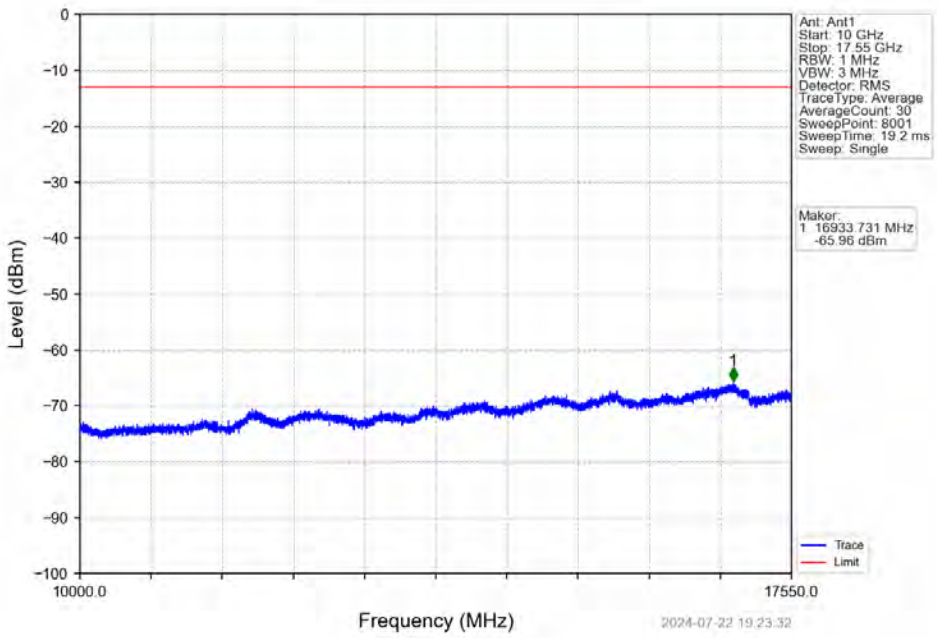


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.495	-32.43	-13	Pass
1709	1710	0.003	/	2	1709.880	-54.21	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

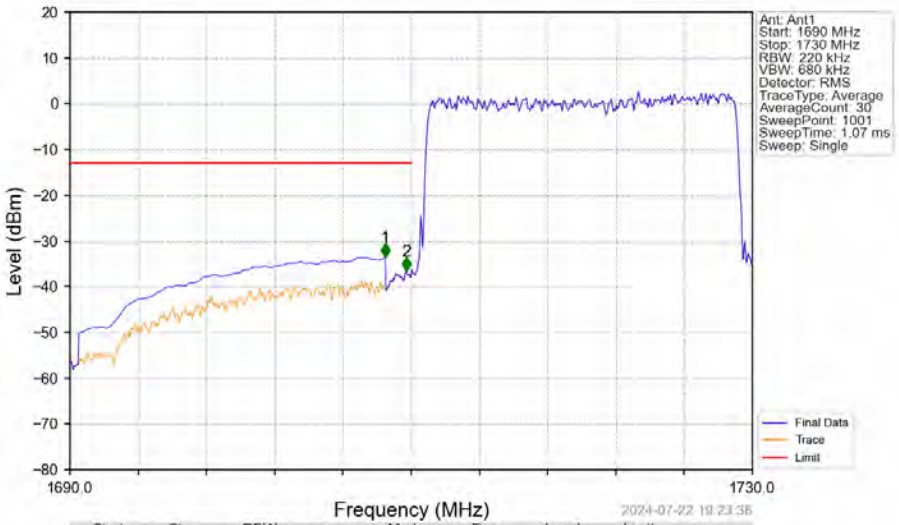
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

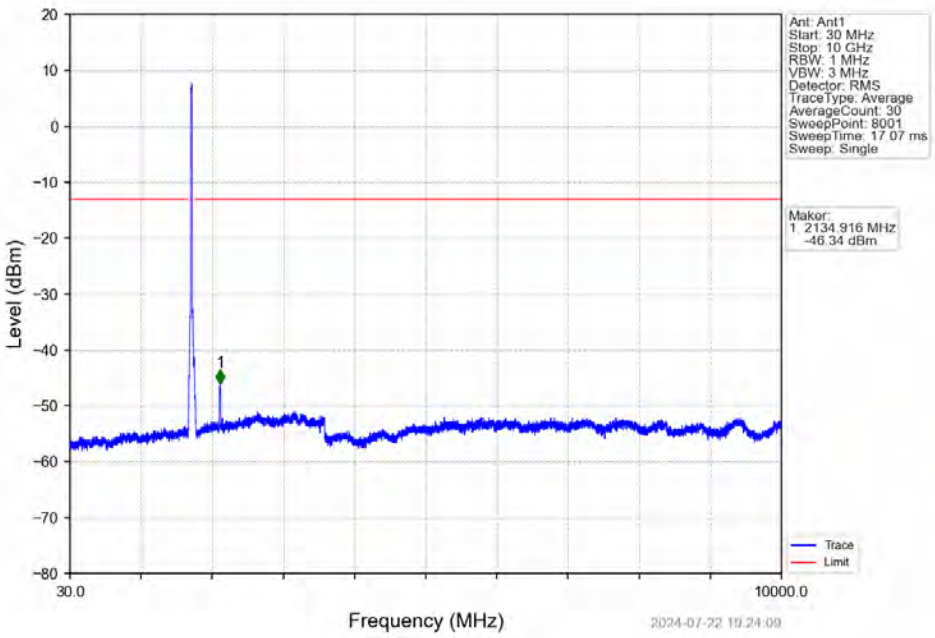


Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

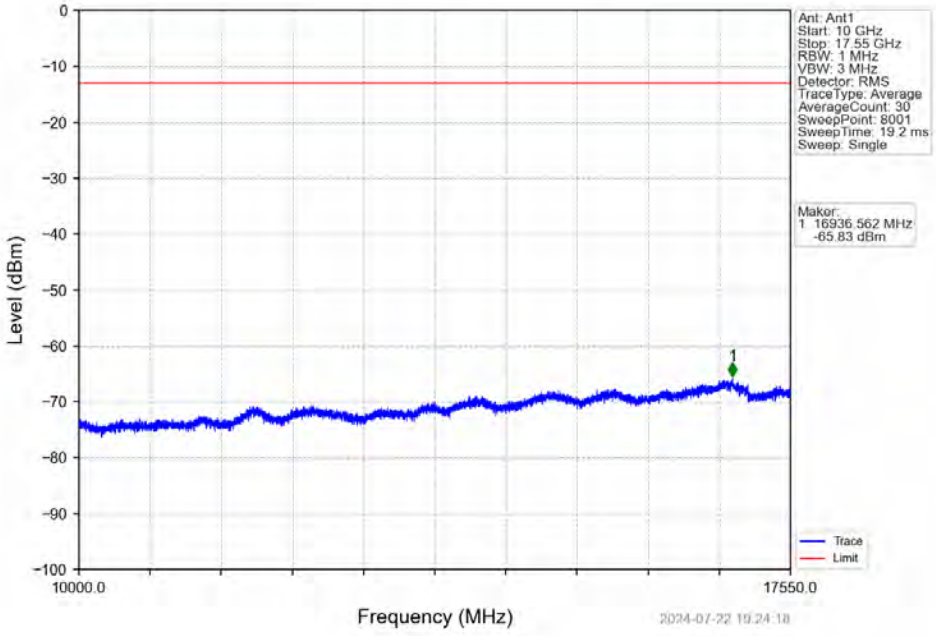


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-33.56	-13	Pass
1709	1710	0.22	/	2	1709.720	-36.64	-13	Pass
1710	1730	0.22	/	/	/	/	/	/

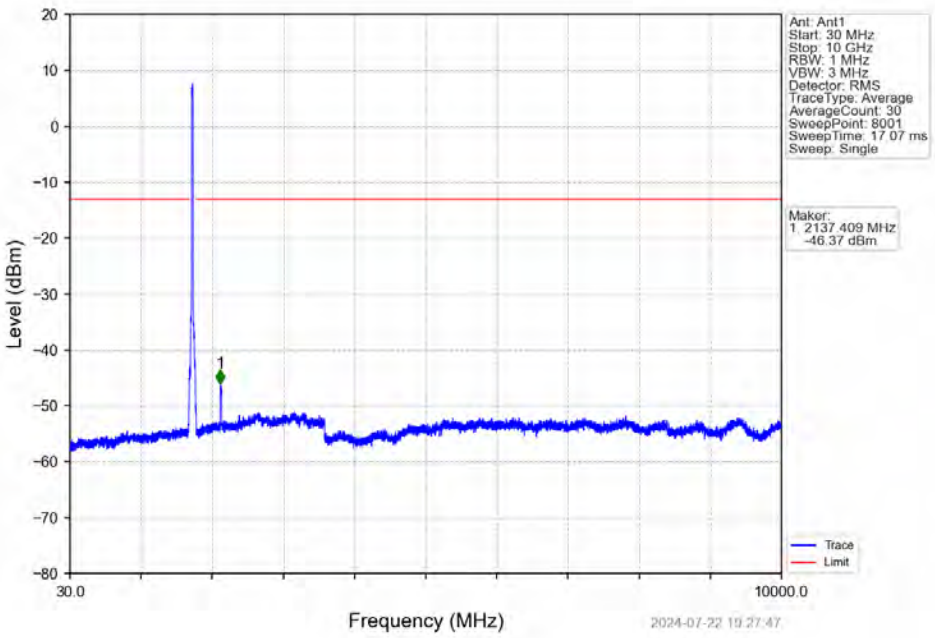
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



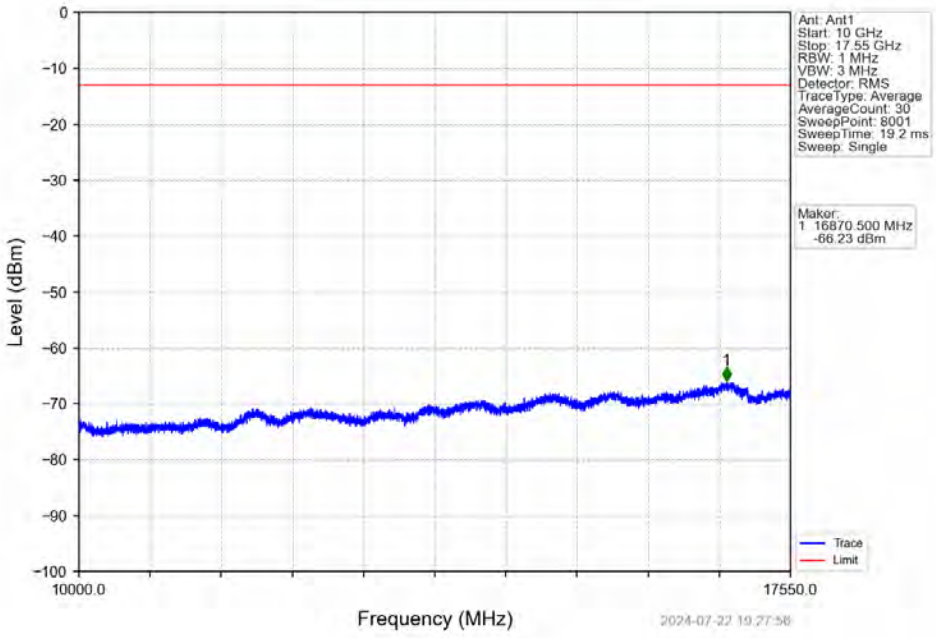
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



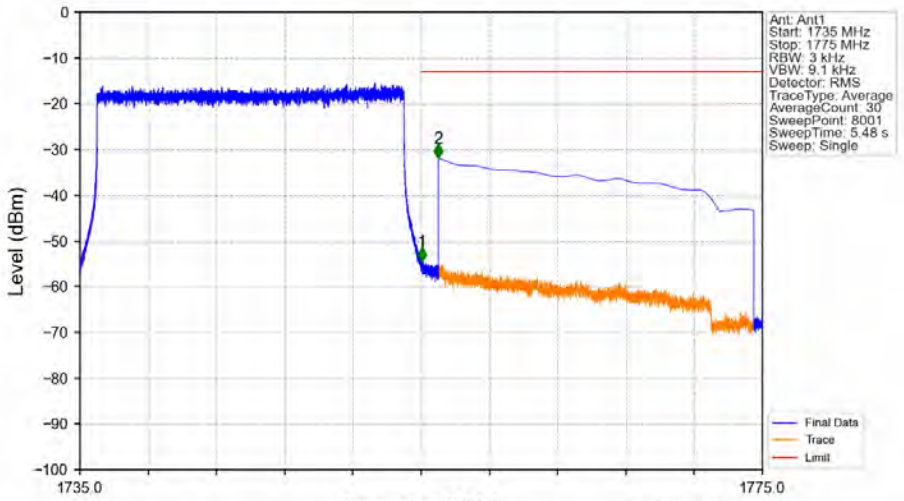
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV

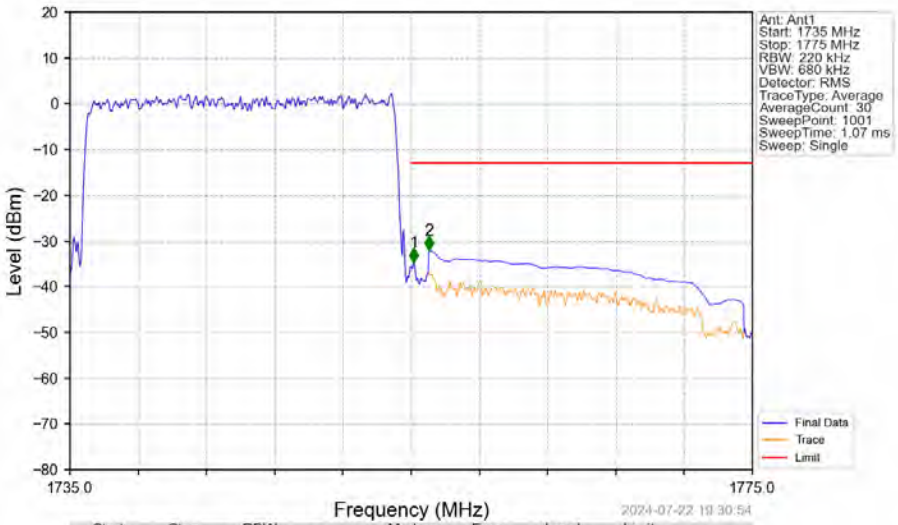


Band4_20MHz_16QAM_HCH_1745MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.025	-54.51	-13	Pass
1756	1775	1	CHP	2	1756.010	-31.94	-13	Pass

Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.22	/	/	/	/	/	/
1755	1756	0.22	/	1	1755.160	-34.70	-13	Pass
1756	1775	1	CHP	2	1756.040	-32.04	-13	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
4	1.4	1710.7	1754.3	0.1216	0.0206	ppm	1M12G7D	27L	20.85
4	1.4	1710.7	1754.3	0.1199	0.0227	ppm	1M12W7D	27L	20.79
4	3	1711.5	1753.5	0.1197	0.0200	ppm	2M76G7D	27L	20.78
4	3	1711.5	1753.5	0.1309	0.0235	ppm	2M76W7D	27L	21.17
4	5	1712.5	1752.5	0.1194	0.0283	ppm	4M56G7D	27L	20.77
4	5	1712.5	1752.5	0.1086	0.0234	ppm	4M57W7D	27L	20.36
4	10	1715	1750	0.1233	0.0250	ppm	9M09G7D	27L	20.91
4	10	1715	1750	0.1253	0.0234	ppm	9M07W7D	27L	20.98
4	15	1717.5	1747.5	0.1213	0.0228	ppm	13M6G7D	27L	20.84
4	15	1717.5	1747.5	0.1253	0.0205	ppm	13M6W7D	27L	20.98
4	20	1720	1745	0.1225	0.0177	ppm	18M2G7D	27L	20.88
4	20	1720	1745	0.1259	0.0240	ppm	18M2W7D	27L	21.00

7.1.2 Form731_EIRP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
4	1.4	1710.7	1754.3	0.1191	0.0206	ppm	1M12G7D	27L	20.76
4	1.4	1710.7	1754.3	0.1175	0.0227	ppm	1M12W7D	27L	20.70
4	3	1711.5	1753.5	0.1172	0.0200	ppm	2M76G7D	27L	20.69
4	3	1711.5	1753.5	0.1282	0.0235	ppm	2M76W7D	27L	21.08
4	5	1712.5	1752.5	0.1169	0.0283	ppm	4M56G7D	27L	20.68
4	5	1712.5	1752.5	0.1064	0.0234	ppm	4M57W7D	27L	20.27
4	10	1715	1750	0.1208	0.0250	ppm	9M09G7D	27L	20.82
4	10	1715	1750	0.1227	0.0234	ppm	9M07W7D	27L	20.89
4	15	1717.5	1747.5	0.1189	0.0228	ppm	13M6G7D	27L	20.75
4	15	1717.5	1747.5	0.1227	0.0205	ppm	13M6W7D	27L	20.89
4	20	1720	1745	0.1199	0.0177	ppm	18M2G7D	27L	20.79
4	20	1720	1745	0.1233	0.0240	ppm	18M2W7D	27L	20.91