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	19.52	-0.42	19.10	<=30	Pass
			2	19.57	-0.42	19.15	<=30	Pass
			5	19.55	-0.42	19.13	<=30	Pass
		3	0	19.54	-0.42	19.12	<=30	Pass
			2	19.51	-0.42	19.09	<=30	Pass
			3	19.47	-0.42	19.05	<=30	Pass
		6	0	18.55	-0.42	18.13	<=30	Pass
	1732.5	1	0	19.28	-0.42	18.86	<=30	Pass
			2	19.49	-0.42	19.07	<=30	Pass
			5	19.48	-0.42	19.06	<=30	Pass
		3	0	19.36	-0.42	18.94	<=30	Pass
			2	19.44	-0.42	19.02	<=30	Pass
			3	19.37	-0.42	18.95	<=30	Pass
		6	0	18.41	-0.42	17.99	<=30	Pass
	1754.3	1	0	19.46	-0.42	19.04	<=30	Pass
			2	19.42	-0.42	19.00	<=30	Pass
			5	19.38	-0.42	18.96	<=30	Pass
		3	0	19.40	-0.42	18.98	<=30	Pass
			2	19.45	-0.42	19.03	<=30	Pass
			3	19.38	-0.42	18.96	<=30	Pass
		6	0	18.36	-0.42	17.94	<=30	Pass
16QAM	1710.7	1	0	18.56	-0.42	18.14	<=30	Pass
			2	18.56	-0.42	18.14	<=30	Pass
			5	18.56	-0.42	18.14	<=30	Pass
		3	0	18.41	-0.42	17.99	<=30	Pass
			2	18.41	-0.42	17.99	<=30	Pass
			3	18.43	-0.42	18.01	<=30	Pass
		6	0	17.66	-0.42	17.24	<=30	Pass
	1732.5	1	0	19.13	-0.42	18.71	<=30	Pass
			2	19.22	-0.42	18.80	<=30	Pass
			5	19.17	-0.42	18.75	<=30	Pass
		3	0	18.60	-0.42	18.18	<=30	Pass
			2	18.62	-0.42	18.20	<=30	Pass
			3	18.65	-0.42	18.23	<=30	Pass
		6	0	17.67	-0.42	17.25	<=30	Pass
	1754.3	1	0	19.23	-0.42	18.81	<=30	Pass
			2	19.12	-0.42	18.70	<=30	Pass
			5	19.21	-0.42	18.79	<=30	Pass
		3	0	18.10	-0.42	17.68	<=30	Pass
			2	18.04	-0.42	17.62	<=30	Pass
			3	18.10	-0.42	17.68	<=30	Pass
		6	0	17.50	-0.42	17.08	<=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	19.57	-0.42	19.15	<=30	Pass
			7	19.56	-0.42	19.14	<=30	Pass
			14	19.56	-0.42	19.14	<=30	Pass
		8	0	18.55	-0.42	18.13	<=30	Pass
			4	18.53	-0.42	18.11	<=30	Pass
			7	18.53	-0.42	18.11	<=30	Pass
		15	0	18.58	-0.42	18.16	<=30	Pass
	1732.5	1	0	19.34	-0.42	18.92	<=30	Pass
			7	19.33	-0.42	18.91	<=30	Pass
			14	19.32	-0.42	18.90	<=30	Pass
		8	0	18.46	-0.42	18.04	<=30	Pass
			4	18.42	-0.42	18.00	<=30	Pass
			7	18.41	-0.42	17.99	<=30	Pass
		15	0	18.38	-0.42	17.96	<=30	Pass
	1753.5	1	0	19.30	-0.42	18.88	<=30	Pass
			7	19.32	-0.42	18.90	<=30	Pass
			14	19.34	-0.42	18.92	<=30	Pass
		8	0	18.47	-0.42	18.05	<=30	Pass
			4	18.48	-0.42	18.06	<=30	Pass
			7	18.43	-0.42	18.01	<=30	Pass
		15	0	18.48	-0.42	18.06	<=30	Pass
16QAM	1711.5	1	0	18.57	-0.42	18.15	<=30	Pass
			7	18.53	-0.42	18.11	<=30	Pass
			14	18.55	-0.42	18.13	<=30	Pass
		8	0	17.87	-0.42	17.45	<=30	Pass
			4	17.85	-0.42	17.43	<=30	Pass
			7	17.86	-0.42	17.44	<=30	Pass
		15	0	17.72	-0.42	17.30	<=30	Pass
	1732.5	1	0	19.75	-0.42	19.33	<=30	Pass
			7	19.68	-0.42	19.26	<=30	Pass
			14	19.75	-0.42	19.33	<=30	Pass
		8	0	17.65	-0.42	17.23	<=30	Pass
			4	17.62	-0.42	17.20	<=30	Pass
			7	17.62	-0.42	17.20	<=30	Pass
		15	0	17.48	-0.42	17.06	<=30	Pass
	1753.5	1	0	19.05	-0.42	18.63	<=30	Pass
			7	19.03	-0.42	18.61	<=30	Pass
			14	19.00	-0.42	18.58	<=30	Pass
		8	0	17.69	-0.42	17.27	<=30	Pass
			4	17.71	-0.42	17.29	<=30	Pass
			7	17.66	-0.42	17.24	<=30	Pass
		15	0	17.53	-0.42	17.11	<=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	19.32	-0.42	18.90	<=30	Pass
			13	19.35	-0.42	18.93	<=30	Pass
			24	19.30	-0.42	18.88	<=30	Pass
		12	0	18.56	-0.42	18.14	<=30	Pass
			6	18.51	-0.42	18.09	<=30	Pass
			13	18.40	-0.42	17.98	<=30	Pass

		25	0	18.45	-0.42	18.03	<=30	Pass
	1732.5	1	0	19.28	-0.42	18.86	<=30	Pass
			13	19.31	-0.42	18.89	<=30	Pass
			24	19.33	-0.42	18.91	<=30	Pass
		12	0	18.38	-0.42	17.96	<=30	Pass
			6	18.32	-0.42	17.90	<=30	Pass
			13	18.29	-0.42	17.87	<=30	Pass
		25	0	18.36	-0.42	17.94	<=30	Pass
	1752.5	1	0	19.40	-0.42	18.98	<=30	Pass
			13	19.42	-0.42	19.00	<=30	Pass
			24	19.42	-0.42	19.00	<=30	Pass
		12	0	18.47	-0.42	18.05	<=30	Pass
			6	18.43	-0.42	18.01	<=30	Pass
			13	18.35	-0.42	17.93	<=30	Pass
		25	0	18.44	-0.42	18.02	<=30	Pass
16QAM	1712.5	1	0	19.09	-0.42	18.67	<=30	Pass
			13	19.08	-0.42	18.66	<=30	Pass
			24	19.09	-0.42	18.67	<=30	Pass
		12	0	17.58	-0.42	17.16	<=30	Pass
			6	17.56	-0.42	17.14	<=30	Pass
			13	17.60	-0.42	17.18	<=30	Pass
		25	0	17.67	-0.42	17.25	<=30	Pass
	1732.5	1	0	18.99	-0.42	18.57	<=30	Pass
			13	19.02	-0.42	18.60	<=30	Pass
			24	19.00	-0.42	18.58	<=30	Pass
		12	0	17.55	-0.42	17.13	<=30	Pass
			6	17.44	-0.42	17.02	<=30	Pass
			13	17.53	-0.42	17.11	<=30	Pass
		25	0	17.47	-0.42	17.05	<=30	Pass
	1752.5	1	0	18.13	-0.42	17.71	<=30	Pass
			13	18.12	-0.42	17.70	<=30	Pass
			24	18.04	-0.42	17.62	<=30	Pass
		12	0	17.45	-0.42	17.03	<=30	Pass
			6	17.50	-0.42	17.08	<=30	Pass
			13	17.49	-0.42	17.07	<=30	Pass
		25	0	17.53	-0.42	17.11	<=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	19.39	-0.42	18.97	<=30	Pass
			25	19.35	-0.42	18.93	<=30	Pass
			49	19.35	-0.42	18.93	<=30	Pass
		25	0	18.53	-0.42	18.11	<=30	Pass
			13	18.51	-0.42	18.09	<=30	Pass
			25	18.43	-0.42	18.01	<=30	Pass
		50	0	18.53	-0.42	18.11	<=30	Pass
	1732.5	1	0	19.46	-0.42	19.04	<=30	Pass
			25	19.48	-0.42	19.06	<=30	Pass
			49	19.51	-0.42	19.09	<=30	Pass
		25	0	18.41	-0.42	17.99	<=30	Pass
			13	18.40	-0.42	17.98	<=30	Pass
			25	18.47	-0.42	18.05	<=30	Pass
		50	0	18.38	-0.42	17.96	<=30	Pass

	1750	1	0	19.35	-0.42	18.93	<=30	Pass
			25	19.43	-0.42	19.01	<=30	Pass
			49	19.42	-0.42	19.00	<=30	Pass
		25	0	18.28	-0.42	17.86	<=30	Pass
			13	18.42	-0.42	18.00	<=30	Pass
			25	18.28	-0.42	17.86	<=30	Pass
		50	0	18.40	-0.42	17.98	<=30	Pass
16QAM	1715	1	0	18.86	-0.42	18.44	<=30	Pass
			25	18.71	-0.42	18.29	<=30	Pass
			49	18.73	-0.42	18.31	<=30	Pass
		25	0	17.80	-0.42	17.38	<=30	Pass
			13	17.83	-0.42	17.41	<=30	Pass
			25	17.79	-0.42	17.37	<=30	Pass
		50	0	17.64	-0.42	17.22	<=30	Pass
	1732.5	1	0	19.10	-0.42	18.68	<=30	Pass
			25	19.20	-0.42	18.78	<=30	Pass
			49	19.12	-0.42	18.70	<=30	Pass
		25	0	17.64	-0.42	17.22	<=30	Pass
			13	17.59	-0.42	17.17	<=30	Pass
			25	17.55	-0.42	17.13	<=30	Pass
		50	0	17.52	-0.42	17.10	<=30	Pass
	1750	1	0	19.17	-0.42	18.75	<=30	Pass
			25	19.29	-0.42	18.87	<=30	Pass
			49	19.18	-0.42	18.76	<=30	Pass
		25	0	17.45	-0.42	17.03	<=30	Pass
			13	17.52	-0.42	17.10	<=30	Pass
			25	17.53	-0.42	17.11	<=30	Pass
		50	0	17.53	-0.42	17.11	<=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	19.30	-0.42	18.88	<=30	Pass
			38	19.26	-0.42	18.84	<=30	Pass
			74	19.22	-0.42	18.80	<=30	Pass
		36	0	18.50	-0.42	18.08	<=30	Pass
			18	18.47	-0.42	18.05	<=30	Pass
			39	18.44	-0.42	18.02	<=30	Pass
		75	0	18.44	-0.42	18.02	<=30	Pass
	1732.5	1	0	19.50	-0.42	19.08	<=30	Pass
			38	19.49	-0.42	19.07	<=30	Pass
			74	19.53	-0.42	19.11	<=30	Pass
		36	0	18.36	-0.42	17.94	<=30	Pass
			18	18.38	-0.42	17.96	<=30	Pass
			39	18.31	-0.42	17.89	<=30	Pass
		75	0	18.40	-0.42	17.98	<=30	Pass
	1747.5	1	0	19.25	-0.42	18.83	<=30	Pass
			38	19.39	-0.42	18.97	<=30	Pass
			74	19.38	-0.42	18.96	<=30	Pass
		36	0	18.35	-0.42	17.93	<=30	Pass
			18	18.37	-0.42	17.95	<=30	Pass
			39	18.45	-0.42	18.03	<=30	Pass
		75	0	18.41	-0.42	17.99	<=30	Pass
16QAM	1717.5	1	0	19.20	-0.42	18.78	<=30	Pass

			38	19.19	-0.42	18.77	<=30	Pass
			74	19.15	-0.42	18.73	<=30	Pass
		36	0	17.61	-0.42	17.19	<=30	Pass
			18	17.62	-0.42	17.20	<=30	Pass
			39	17.55	-0.42	17.13	<=30	Pass
		75	0	17.60	-0.42	17.18	<=30	Pass
	1732.5	1	0	19.12	-0.42	18.70	<=30	Pass
			38	19.16	-0.42	18.74	<=30	Pass
			74	19.06	-0.42	18.64	<=30	Pass
		36	0	17.63	-0.42	17.21	<=30	Pass
			18	17.57	-0.42	17.15	<=30	Pass
			39	17.52	-0.42	17.10	<=30	Pass
		75	0	17.54	-0.42	17.12	<=30	Pass
	1747.5	1	0	19.16	-0.42	18.74	<=30	Pass
			38	19.25	-0.42	18.83	<=30	Pass
			74	19.23	-0.42	18.81	<=30	Pass
		36	0	17.55	-0.42	17.13	<=30	Pass
			18	17.62	-0.42	17.20	<=30	Pass
			39	17.67	-0.42	17.25	<=30	Pass
		75	0	17.57	-0.42	17.15	<=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	19.41	-0.42	18.99	<=30	Pass
			50	19.38	-0.42	18.96	<=30	Pass
			99	19.37	-0.42	18.95	<=30	Pass
		50	0	18.51	-0.42	18.09	<=30	Pass
			25	18.43	-0.42	18.01	<=30	Pass
			50	18.30	-0.42	17.88	<=30	Pass
		100	0	18.43	-0.42	18.01	<=30	Pass
	1732.5	1	0	19.32	-0.42	18.90	<=30	Pass
			50	19.38	-0.42	18.96	<=30	Pass
			99	19.35	-0.42	18.93	<=30	Pass
		50	0	18.42	-0.42	18.00	<=30	Pass
			25	18.36	-0.42	17.94	<=30	Pass
			50	18.47	-0.42	18.05	<=30	Pass
		100	0	18.30	-0.42	17.88	<=30	Pass
	1745	1	0	19.63	-0.42	19.21	<=30	Pass
			50	19.64	-0.42	19.22	<=30	Pass
			99	19.65	-0.42	19.23	<=30	Pass
		50	0	18.33	-0.42	17.91	<=30	Pass
			25	18.44	-0.42	18.02	<=30	Pass
			50	18.49	-0.42	18.07	<=30	Pass
		100	0	18.38	-0.42	17.96	<=30	Pass
16QAM	1720	1	0	19.95	-0.42	19.53	<=30	Pass
			50	19.81	-0.42	19.39	<=30	Pass
			99	19.69	-0.42	19.27	<=30	Pass
		50	0	17.64	-0.42	17.22	<=30	Pass
			25	17.56	-0.42	17.14	<=30	Pass
			50	17.51	-0.42	17.09	<=30	Pass
		100	0	17.65	-0.42	17.23	<=30	Pass
	1732.5	1	0	19.38	-0.42	18.96	<=30	Pass
			50	19.27	-0.42	18.85	<=30	Pass

			99	19.18	-0.42	18.76	<=30	Pass
		50	0	17.55	-0.42	17.13	<=30	Pass
			25	17.60	-0.42	17.18	<=30	Pass
			50	17.63	-0.42	17.21	<=30	Pass
		100	0	17.43	-0.42	17.01	<=30	Pass
	1745	1	0	18.34	-0.42	17.92	<=30	Pass
			50	18.33	-0.42	17.91	<=30	Pass
			99	18.32	-0.42	17.90	<=30	Pass
		50	0	17.46	-0.42	17.04	<=30	Pass
			25	17.49	-0.42	17.07	<=30	Pass
			50	17.67	-0.42	17.25	<=30	Pass
		100	0	17.45	-0.42	17.03	<=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	-36.707	-0.0215	-2.5 to 2.5	Pass
					3.85	-36.392	-0.0213	-2.5 to 2.5	Pass
					4.43	-9.198	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-37.966	-0.0222	-2.5 to 2.5	Pass
				-20	3.85	-24.834	-0.0145	-2.5 to 2.5	Pass
				-10	3.85	-36.335	-0.0212	-2.5 to 2.5	Pass
				0	3.85	-13.304	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-14.048	-0.0082	-2.5 to 2.5	Pass
				30	3.85	3.848	0.0022	-2.5 to 2.5	Pass
				40	3.85	-38.252	-0.0224	-2.5 to 2.5	Pass
				50	3.85	-32.358	-0.0189	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	4.377	0.0025	-2.5 to 2.5	Pass
					3.85	-24.519	-0.0142	-2.5 to 2.5	Pass
					4.43	-19.898	-0.0115	-2.5 to 2.5	Pass
				-30	3.85	-33.603	-0.0194	-2.5 to 2.5	Pass
				-20	3.85	19.770	0.0114	-2.5 to 2.5	Pass
				-10	3.85	-4.964	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-11.888	-0.0069	-2.5 to 2.5	Pass
				10	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-13.947	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-13.704	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-21.286	-0.0123	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	26.107	0.0149	-2.5 to 2.5	Pass
					3.85	0.815	0.0005	-2.5 to 2.5	Pass
					4.43	-6.037	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	14.935	0.0085	-2.5 to 2.5	Pass
				-20	3.85	35.548	0.0203	-2.5 to 2.5	Pass
				-10	3.85	24.133	0.0138	-2.5 to 2.5	Pass
				0	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				10	3.85	18.110	0.0103	-2.5 to 2.5	Pass
				30	3.85	28.009	0.0160	-2.5 to 2.5	Pass
				40	3.85	16.050	0.0091	-2.5 to 2.5	Pass
				50	3.85	14.963	0.0085	-2.5 to 2.5	Pass

16QAM	1710.7	6	0	20	3.27	-39.568	-0.0231	-2.5 to 2.5	Pass
					3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
					4.43	-10.471	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-22.130	-0.0129	-2.5 to 2.5	Pass
				-20	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-22.831	-0.0133	-2.5 to 2.5	Pass
				0	3.85	-23.904	-0.0140	-2.5 to 2.5	Pass
				10	3.85	-37.651	-0.0220	-2.5 to 2.5	Pass
				30	3.85	-37.808	-0.0221	-2.5 to 2.5	Pass
				40	3.85	-22.101	-0.0129	-2.5 to 2.5	Pass
				50	3.85	-7.725	-0.0045	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-7.825	-0.0045	-2.5 to 2.5	Pass
					3.85	-8.698	-0.0050	-2.5 to 2.5	Pass
					4.43	9.484	0.0055	-2.5 to 2.5	Pass
				-30	3.85	11.272	0.0065	-2.5 to 2.5	Pass
				-20	3.85	25.306	0.0146	-2.5 to 2.5	Pass
				-10	3.85	25.148	0.0145	-2.5 to 2.5	Pass
				0	3.85	-22.759	-0.0131	-2.5 to 2.5	Pass
				10	3.85	5.636	0.0033	-2.5 to 2.5	Pass
				30	3.85	30.384	0.0175	-2.5 to 2.5	Pass
				40	3.85	7.882	0.0045	-2.5 to 2.5	Pass
				50	3.85	25.835	0.0149	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	9.255	0.0053	-2.5 to 2.5	Pass
					3.85	16.108	0.0092	-2.5 to 2.5	Pass
					4.43	10.614	0.0061	-2.5 to 2.5	Pass
				-30	3.85	-31.514	-0.0180	-2.5 to 2.5	Pass
				-20	3.85	25.477	0.0145	-2.5 to 2.5	Pass
				-10	3.85	40.798	0.0233	-2.5 to 2.5	Pass
				0	3.85	3.562	0.0020	-2.5 to 2.5	Pass
				10	3.85	30.298	0.0173	-2.5 to 2.5	Pass
				30	3.85	-8.955	-0.0051	-2.5 to 2.5	Pass
				40	3.85	8.497	0.0048	-2.5 to 2.5	Pass
				50	3.85	8.969	0.0051	-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	-37.208	-0.0217	-2.5 to 2.5	Pass
					3.85	-10.343	-0.0060	-2.5 to 2.5	Pass
					4.43	-38.323	-0.0224	-2.5 to 2.5	Pass
				-30	3.85	-22.445	-0.0131	-2.5 to 2.5	Pass
				-20	3.85	-24.333	-0.0142	-2.5 to 2.5	Pass
				-10	3.85	-32.659	-0.0191	-2.5 to 2.5	Pass
				0	3.85	-6.595	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-42.300	-0.0247	-2.5 to 2.5	Pass
				30	3.85	-39.296	-0.0230	-2.5 to 2.5	Pass
				40	3.85	-3.362	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-13.719	-0.0080	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	36.092	0.0208	-2.5 to 2.5	Pass
					3.85	-7.339	-0.0042	-2.5 to 2.5	Pass
					4.43	-28.811	-0.0166	-2.5 to 2.5	Pass
				-30	3.85	-26.107	-0.0151	-2.5 to 2.5	Pass
				-20	3.85	-10.643	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	9.484	0.0055	-2.5 to 2.5	Pass
				0	3.85	3.133	0.0018	-2.5 to 2.5	Pass

				10	3.85	-26.279	-0.0152	-2.5 to 2.5	Pass
				30	3.85	-23.704	-0.0137	-2.5 to 2.5	Pass
				40	3.85	-22.788	-0.0132	-2.5 to 2.5	Pass
				50	3.85	-32.330	-0.0187	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	12.259	0.0070	-2.5 to 2.5	Pass
					3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
					4.43	-13.704	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-9.041	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	8.397	0.0048	-2.5 to 2.5	Pass
				-10	3.85	23.932	0.0136	-2.5 to 2.5	Pass
				0	3.85	-16.336	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-5.636	-0.0032	-2.5 to 2.5	Pass
				30	3.85	15.750	0.0090	-2.5 to 2.5	Pass
				40	3.85	15.564	0.0089	-2.5 to 2.5	Pass
				50	3.85	20.027	0.0114	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-23.804	-0.0139	-2.5 to 2.5	Pass
					3.85	-21.272	-0.0124	-2.5 to 2.5	Pass
					4.43	-27.280	-0.0159	-2.5 to 2.5	Pass
				-30	3.85	-6.123	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-31.786	-0.0186	-2.5 to 2.5	Pass
				-10	3.85	-9.341	-0.0055	-2.5 to 2.5	Pass
				0	3.85	3.777	0.0022	-2.5 to 2.5	Pass
				10	3.85	9.871	0.0058	-2.5 to 2.5	Pass
				30	3.85	2.117	0.0012	-2.5 to 2.5	Pass
				40	3.85	-20.113	-0.0118	-2.5 to 2.5	Pass
				50	3.85	-19.870	-0.0116	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-22.817	-0.0132	-2.5 to 2.5	Pass
					3.85	4.177	0.0024	-2.5 to 2.5	Pass
					4.43	14.434	0.0083	-2.5 to 2.5	Pass
				-30	3.85	-14.849	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-16.394	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-10.242	-0.0059	-2.5 to 2.5	Pass
				0	3.85	8.998	0.0052	-2.5 to 2.5	Pass
				10	3.85	26.350	0.0152	-2.5 to 2.5	Pass
				30	3.85	-15.364	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-42.028	-0.0243	-2.5 to 2.5	Pass
				50	3.85	-29.769	-0.0172	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	39.611	0.0226	-2.5 to 2.5	Pass
					3.85	-8.669	-0.0049	-2.5 to 2.5	Pass
					4.43	7.768	0.0044	-2.5 to 2.5	Pass
				-30	3.85	37.608	0.0214	-2.5 to 2.5	Pass
				-20	3.85	25.535	0.0146	-2.5 to 2.5	Pass
				-10	3.85	12.531	0.0071	-2.5 to 2.5	Pass
				0	3.85	3.176	0.0018	-2.5 to 2.5	Pass
				10	3.85	-38.223	-0.0218	-2.5 to 2.5	Pass
				30	3.85	-20.971	-0.0120	-2.5 to 2.5	Pass
				40	3.85	12.960	0.0074	-2.5 to 2.5	Pass
				50	3.85	35.663	0.0203	-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	-36.321	-0.0212	-2.5 to 2.5	Pass
					3.85	-11.816	-0.0069	-2.5 to 2.5	Pass
					4.43	0.815	0.0005	-2.5 to 2.5	Pass

				-30	3.85	-17.581	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-22.130	-0.0129	-2.5 to 2.5	Pass
				-10	3.85	-14.806	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-11.387	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-20.442	-0.0119	-2.5 to 2.5	Pass
				30	3.85	-36.078	-0.0211	-2.5 to 2.5	Pass
				40	3.85	-11.158	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-34.862	-0.0204	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	23.475	0.0135	-2.5 to 2.5	Pass
					3.85	11.444	0.0066	-2.5 to 2.5	Pass
					4.43	9.599	0.0055	-2.5 to 2.5	Pass
				-30	3.85	23.174	0.0134	-2.5 to 2.5	Pass
				-20	3.85	11.730	0.0068	-2.5 to 2.5	Pass
				-10	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-21.100	-0.0122	-2.5 to 2.5	Pass
				10	3.85	-10.057	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-19.698	-0.0114	-2.5 to 2.5	Pass
				40	3.85	12.746	0.0074	-2.5 to 2.5	Pass
				50	3.85	-2.003	-0.0012	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	32.086	0.0183	-2.5 to 2.5	Pass
					3.85	22.616	0.0129	-2.5 to 2.5	Pass
					4.43	13.561	0.0077	-2.5 to 2.5	Pass
				-30	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	24.705	0.0141	-2.5 to 2.5	Pass
				0	3.85	13.418	0.0077	-2.5 to 2.5	Pass
				10	3.85	22.988	0.0131	-2.5 to 2.5	Pass
				30	3.85	12.603	0.0072	-2.5 to 2.5	Pass
				40	3.85	-6.166	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-4.835	-0.0028	-2.5 to 2.5	Pass
					3.85	2.890	0.0017	-2.5 to 2.5	Pass
					4.43	27.366	0.0160	-2.5 to 2.5	Pass
				-30	3.85	8.941	0.0052	-2.5 to 2.5	Pass
				-20	3.85	12.531	0.0073	-2.5 to 2.5	Pass
				-10	3.85	28.467	0.0166	-2.5 to 2.5	Pass
				0	3.85	-11.730	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-21.772	-0.0127	-2.5 to 2.5	Pass
				30	3.85	5.150	0.0030	-2.5 to 2.5	Pass
				40	3.85	17.509	0.0102	-2.5 to 2.5	Pass
				50	3.85	15.450	0.0090	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	7.453	0.0043	-2.5 to 2.5	Pass
					3.85	10.514	0.0061	-2.5 to 2.5	Pass
					4.43	3.290	0.0019	-2.5 to 2.5	Pass
				-30	3.85	25.277	0.0146	-2.5 to 2.5	Pass
				-20	3.85	-18.396	-0.0106	-2.5 to 2.5	Pass
				-10	3.85	-17.552	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-13.704	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-22.259	-0.0128	-2.5 to 2.5	Pass
				30	3.85	-14.920	-0.0086	-2.5 to 2.5	Pass
				40	3.85	-23.417	-0.0135	-2.5 to 2.5	Pass
				50	3.85	-18.497	-0.0107	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	12.074	0.0069	-2.5 to 2.5	Pass
					3.85	6.967	0.0040	-2.5 to 2.5	Pass
					4.43	0.443	0.0003	-2.5 to 2.5	Pass
				-30	3.85	11.959	0.0068	-2.5 to 2.5	Pass
				-20	3.85	37.880	0.0216	-2.5 to 2.5	Pass
				-10	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				0	3.85	28.353	0.0162	-2.5 to 2.5	Pass

				10	3.85	10.128	0.0058	-2.5 to 2.5	Pass
				30	3.85	-20.728	-0.0118	-2.5 to 2.5	Pass
				40	3.85	-6.595	-0.0038	-2.5 to 2.5	Pass
				50	3.85	7.882	0.0045	-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	-18.997	-0.0111	-2.5 to 2.5	Pass
					3.85	-27.866	-0.0162	-2.5 to 2.5	Pass
					4.43	-25.220	-0.0147	-2.5 to 2.5	Pass
				-30	3.85	-24.748	-0.0144	-2.5 to 2.5	Pass
				-20	3.85	-35.534	-0.0207	-2.5 to 2.5	Pass
				-10	3.85	-25.606	-0.0149	-2.5 to 2.5	Pass
				0	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				10	3.85	2.460	0.0014	-2.5 to 2.5	Pass
				30	3.85	-23.847	-0.0139	-2.5 to 2.5	Pass
				40	3.85	-12.689	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-18.296	-0.0107	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-0.243	-0.0001	-2.5 to 2.5	Pass
					3.85	25.520	0.0147	-2.5 to 2.5	Pass
					4.43	16.909	0.0098	-2.5 to 2.5	Pass
				-30	3.85	26.808	0.0155	-2.5 to 2.5	Pass
				-20	3.85	6.895	0.0040	-2.5 to 2.5	Pass
				-10	3.85	25.606	0.0148	-2.5 to 2.5	Pass
				0	3.85	5.450	0.0031	-2.5 to 2.5	Pass
				10	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				40	3.85	14.677	0.0085	-2.5 to 2.5	Pass
				50	3.85	29.483	0.0170	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-17.867	-0.0102	-2.5 to 2.5	Pass
					3.85	1.945	0.0011	-2.5 to 2.5	Pass
					4.43	41.456	0.0237	-2.5 to 2.5	Pass
				-30	3.85	-5.436	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-20.742	-0.0119	-2.5 to 2.5	Pass
				-10	3.85	16.422	0.0094	-2.5 to 2.5	Pass
				0	3.85	-35.319	-0.0202	-2.5 to 2.5	Pass
				10	3.85	2.503	0.0014	-2.5 to 2.5	Pass
				30	3.85	2.661	0.0015	-2.5 to 2.5	Pass
				40	3.85	9.155	0.0052	-2.5 to 2.5	Pass
				50	3.85	-26.808	-0.0153	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-15.907	-0.0093	-2.5 to 2.5	Pass
					3.85	5.894	0.0034	-2.5 to 2.5	Pass
					4.43	-21.615	-0.0126	-2.5 to 2.5	Pass
				-30	3.85	-24.018	-0.0140	-2.5 to 2.5	Pass
				-20	3.85	13.504	0.0079	-2.5 to 2.5	Pass
				-10	3.85	-4.063	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-15.035	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-12.288	-0.0072	-2.5 to 2.5	Pass
				30	3.85	9.942	0.0058	-2.5 to 2.5	Pass
				40	3.85	33.832	0.0197	-2.5 to 2.5	Pass
				50	3.85	10.257	0.0060	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	26.908	0.0155	-2.5 to 2.5	Pass
					3.85	3.848	0.0022	-2.5 to 2.5	Pass
					4.43	35.462	0.0205	-2.5 to 2.5	Pass

				-30	3.85	-10.600	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	29.111	0.0168	-2.5 to 2.5	Pass
				0	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				10	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				30	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				40	3.85	17.395	0.0100	-2.5 to 2.5	Pass
				50	3.85	38.223	0.0221	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-17.581	-0.0100	-2.5 to 2.5	Pass
					3.85	20.170	0.0115	-2.5 to 2.5	Pass
					4.43	20.885	0.0119	-2.5 to 2.5	Pass
				-30	3.85	10.958	0.0063	-2.5 to 2.5	Pass
				-20	3.85	-31.557	-0.0180	-2.5 to 2.5	Pass
				-10	3.85	-31.843	-0.0182	-2.5 to 2.5	Pass
				0	3.85	11.816	0.0068	-2.5 to 2.5	Pass
				10	3.85	20.828	0.0119	-2.5 to 2.5	Pass
				30	3.85	30.885	0.0176	-2.5 to 2.5	Pass
				40	3.85	16.508	0.0094	-2.5 to 2.5	Pass
				50	3.85	6.351	0.0036	-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	-28.267	-0.0165	-2.5 to 2.5	Pass
					3.85	-19.755	-0.0115	-2.5 to 2.5	Pass
					4.43	-23.360	-0.0136	-2.5 to 2.5	Pass
				-30	3.85	-14.420	-0.0084	-2.5 to 2.5	Pass
				-20	3.85	-23.489	-0.0137	-2.5 to 2.5	Pass
				-10	3.85	-25.420	-0.0148	-2.5 to 2.5	Pass
				0	3.85	-27.523	-0.0160	-2.5 to 2.5	Pass
				10	3.85	-22.359	-0.0130	-2.5 to 2.5	Pass
				30	3.85	-19.655	-0.0114	-2.5 to 2.5	Pass
				40	3.85	-12.403	-0.0072	-2.5 to 2.5	Pass
				50	3.85	-21.715	-0.0126	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-10.543	-0.0061	-2.5 to 2.5	Pass
					3.85	18.582	0.0107	-2.5 to 2.5	Pass
					4.43	28.110	0.0162	-2.5 to 2.5	Pass
				-30	3.85	21.701	0.0125	-2.5 to 2.5	Pass
				-20	3.85	-5.522	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-21.629	-0.0125	-2.5 to 2.5	Pass
				0	3.85	-18.511	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-14.277	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-10.514	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-7.682	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-6.809	-0.0039	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-12.374	-0.0071	-2.5 to 2.5	Pass
					3.85	-4.892	-0.0028	-2.5 to 2.5	Pass
					4.43	9.785	0.0056	-2.5 to 2.5	Pass
				-30	3.85	29.840	0.0171	-2.5 to 2.5	Pass
				-20	3.85	-12.846	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	1.702	0.0010	-2.5 to 2.5	Pass
				0	3.85	-11.029	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-2.890	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-16.394	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-28.882	-0.0165	-2.5 to 2.5	Pass

				50	3.85	2.317	0.0013	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-20.614	-0.0120	-2.5 to 2.5	Pass
					3.85	-16.093	-0.0094	-2.5 to 2.5	Pass
					4.43	0.587	0.0003	-2.5 to 2.5	Pass
				-30	3.85	22.430	0.0131	-2.5 to 2.5	Pass
				-20	3.85	23.890	0.0139	-2.5 to 2.5	Pass
				-10	3.85	-17.395	-0.0101	-2.5 to 2.5	Pass
				0	3.85	9.069	0.0053	-2.5 to 2.5	Pass
				10	3.85	-12.345	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-14.420	-0.0084	-2.5 to 2.5	Pass
				40	3.85	7.281	0.0042	-2.5 to 2.5	Pass
				50	3.85	23.103	0.0135	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	0.257	0.0001	-2.5 to 2.5	Pass
					3.85	17.610	0.0102	-2.5 to 2.5	Pass
					4.43	3.948	0.0023	-2.5 to 2.5	Pass
				-30	3.85	-19.512	-0.0113	-2.5 to 2.5	Pass
				-20	3.85	8.769	0.0051	-2.5 to 2.5	Pass
				-10	3.85	-4.349	-0.0025	-2.5 to 2.5	Pass
				0	3.85	32.530	0.0188	-2.5 to 2.5	Pass
				10	3.85	20.242	0.0117	-2.5 to 2.5	Pass
				30	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
				40	3.85	21.873	0.0126	-2.5 to 2.5	Pass
				50	3.85	0.257	0.0001	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-8.669	-0.0050	-2.5 to 2.5	Pass
					3.85	20.399	0.0117	-2.5 to 2.5	Pass
					4.43	10.271	0.0059	-2.5 to 2.5	Pass
				-30	3.85	26.035	0.0149	-2.5 to 2.5	Pass
				-20	3.85	9.284	0.0053	-2.5 to 2.5	Pass
				-10	3.85	26.207	0.0150	-2.5 to 2.5	Pass
				0	3.85	3.734	0.0021	-2.5 to 2.5	Pass
				10	3.85	-12.202	-0.0070	-2.5 to 2.5	Pass
				30	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				40	3.85	8.354	0.0048	-2.5 to 2.5	Pass
				50	3.85	20.256	0.0116	-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	-26.793	-0.0156	-2.5 to 2.5	Pass
					3.85	-20.785	-0.0121	-2.5 to 2.5	Pass
					4.43	-22.488	-0.0131	-2.5 to 2.5	Pass
				-30	3.85	-9.613	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-19.298	-0.0112	-2.5 to 2.5	Pass
				-10	3.85	-25.249	-0.0147	-2.5 to 2.5	Pass
				0	3.85	-11.716	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-19.312	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-30.112	-0.0175	-2.5 to 2.5	Pass
				40	3.85	-12.774	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-15.821	-0.0092	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	15.292	0.0088	-2.5 to 2.5	Pass
					3.85	4.034	0.0023	-2.5 to 2.5	Pass
					4.43	1.945	0.0011	-2.5 to 2.5	Pass
				-30	3.85	-13.375	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-32.902	-0.0190	-2.5 to 2.5	Pass
				-10	3.85	-27.280	-0.0157	-2.5 to 2.5	Pass

				0	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				10	3.85	22.917	0.0132	-2.5 to 2.5	Pass
				30	3.85	23.847	0.0138	-2.5 to 2.5	Pass
				40	3.85	-11.845	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-20.485	-0.0118	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	24.061	0.0138	-2.5 to 2.5	Pass
					3.85	3.948	0.0023	-2.5 to 2.5	Pass
					4.43	-22.044	-0.0126	-2.5 to 2.5	Pass
				-30	3.85	-7.067	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	4.635	0.0027	-2.5 to 2.5	Pass
				-10	3.85	-9.727	-0.0056	-2.5 to 2.5	Pass
				0	3.85	5.436	0.0031	-2.5 to 2.5	Pass
				10	3.85	-22.902	-0.0131	-2.5 to 2.5	Pass
				30	3.85	-4.964	-0.0028	-2.5 to 2.5	Pass
				40	3.85	11.759	0.0067	-2.5 to 2.5	Pass
				50	3.85	24.447	0.0140	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-24.290	-0.0141	-2.5 to 2.5	Pass
					3.85	-27.208	-0.0158	-2.5 to 2.5	Pass
					4.43	-24.605	-0.0143	-2.5 to 2.5	Pass
				-30	3.85	-22.645	-0.0132	-2.5 to 2.5	Pass
				-20	3.85	-18.911	-0.0110	-2.5 to 2.5	Pass
				-10	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-29.755	-0.0173	-2.5 to 2.5	Pass
				10	3.85	-19.426	-0.0113	-2.5 to 2.5	Pass
				30	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				40	3.85	32.229	0.0187	-2.5 to 2.5	Pass
				50	3.85	11.902	0.0069	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	9.584	0.0055	-2.5 to 2.5	Pass
					3.85	-6.466	-0.0037	-2.5 to 2.5	Pass
					4.43	16.680	0.0096	-2.5 to 2.5	Pass
				-30	3.85	10.271	0.0059	-2.5 to 2.5	Pass
				-20	3.85	32.015	0.0185	-2.5 to 2.5	Pass
				-10	3.85	4.048	0.0023	-2.5 to 2.5	Pass
				0	3.85	-16.408	-0.0095	-2.5 to 2.5	Pass
				10	3.85	15.621	0.0090	-2.5 to 2.5	Pass
				30	3.85	-24.405	-0.0141	-2.5 to 2.5	Pass
				40	3.85	17.681	0.0102	-2.5 to 2.5	Pass
				50	3.85	-22.044	-0.0127	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-9.842	-0.0056	-2.5 to 2.5	Pass
					3.85	23.303	0.0134	-2.5 to 2.5	Pass
					4.43	28.510	0.0163	-2.5 to 2.5	Pass
				-30	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				-20	3.85	5.779	0.0033	-2.5 to 2.5	Pass
				-10	3.85	23.575	0.0135	-2.5 to 2.5	Pass
				0	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-23.532	-0.0135	-2.5 to 2.5	Pass
				30	3.85	-14.720	-0.0084	-2.5 to 2.5	Pass
				40	3.85	1.345	0.0008	-2.5 to 2.5	Pass
				50	3.85	17.767	0.0102	-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

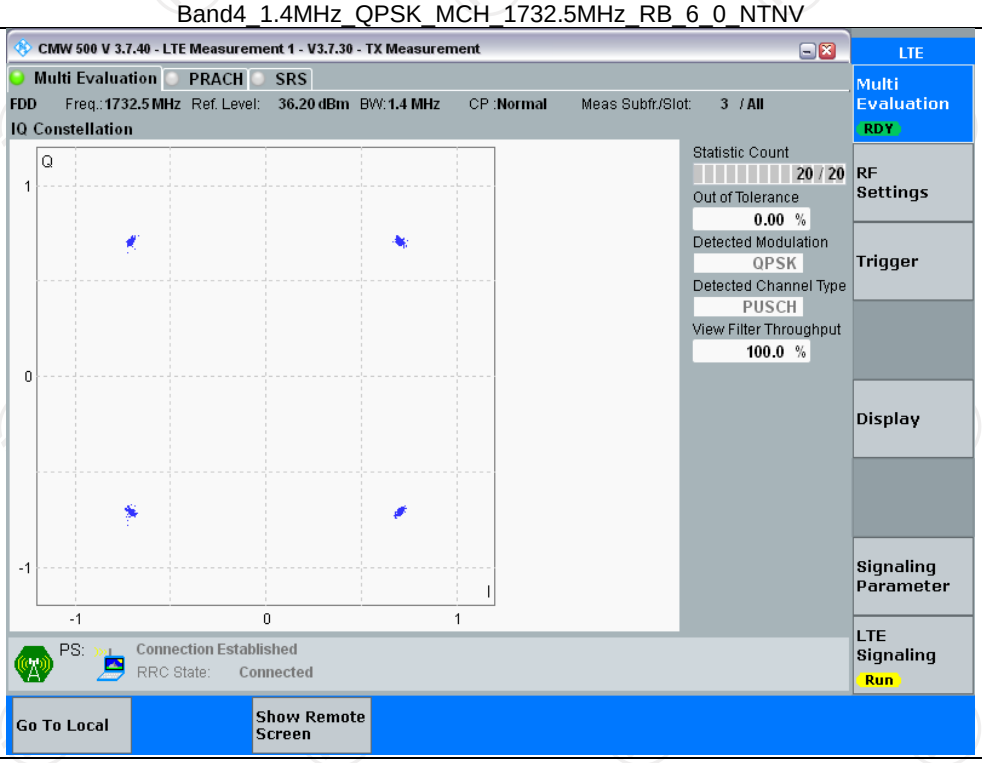
3.1.6 B4_20MHz

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

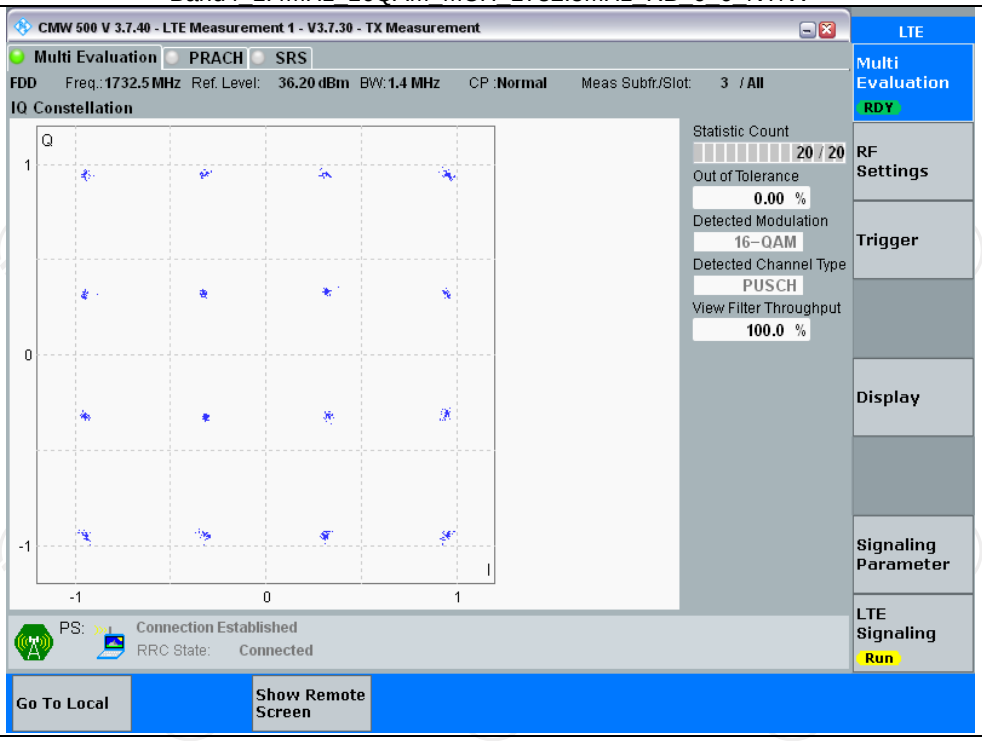
3.2 Test Graph

3.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

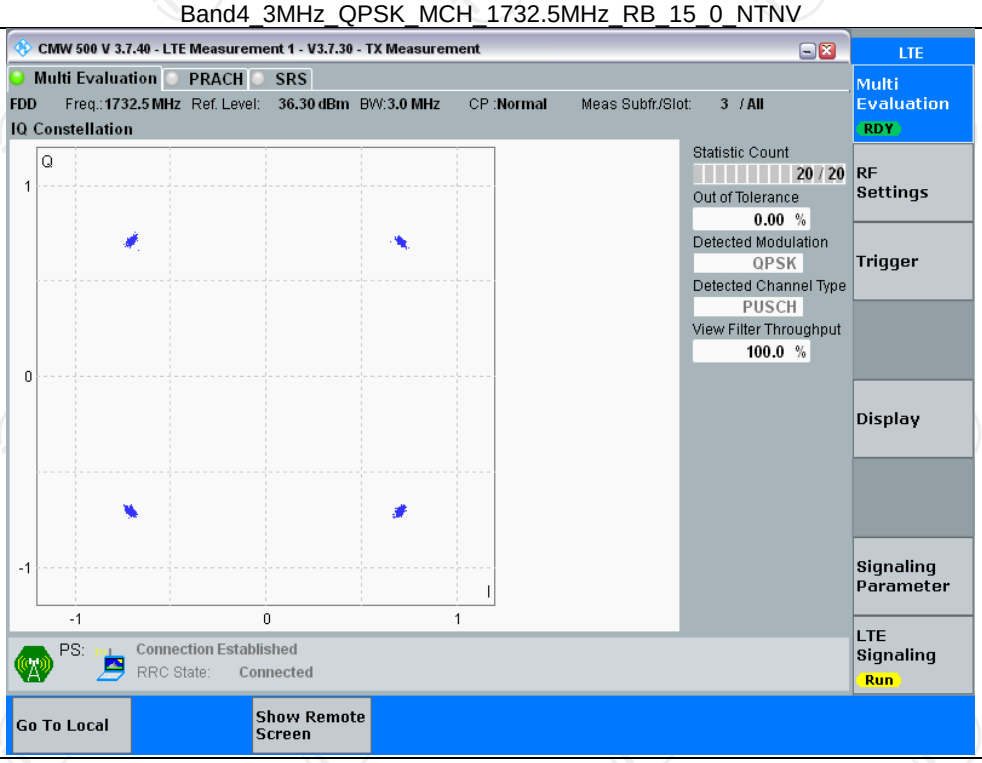


Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

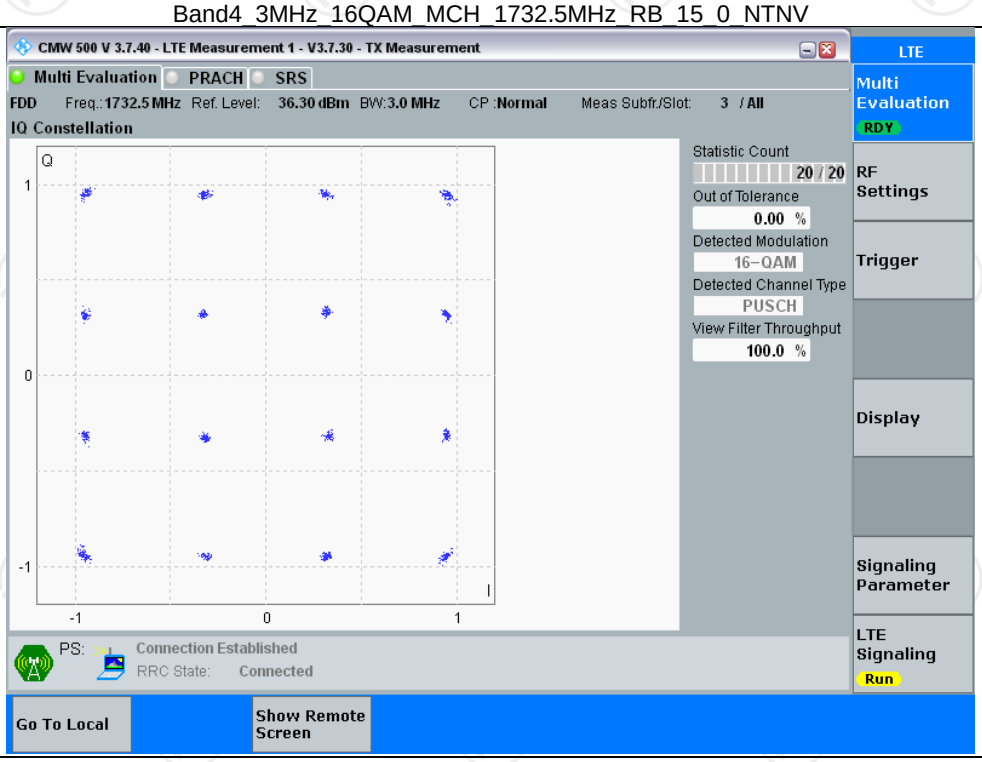


3.2.2 B4_3MHz

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

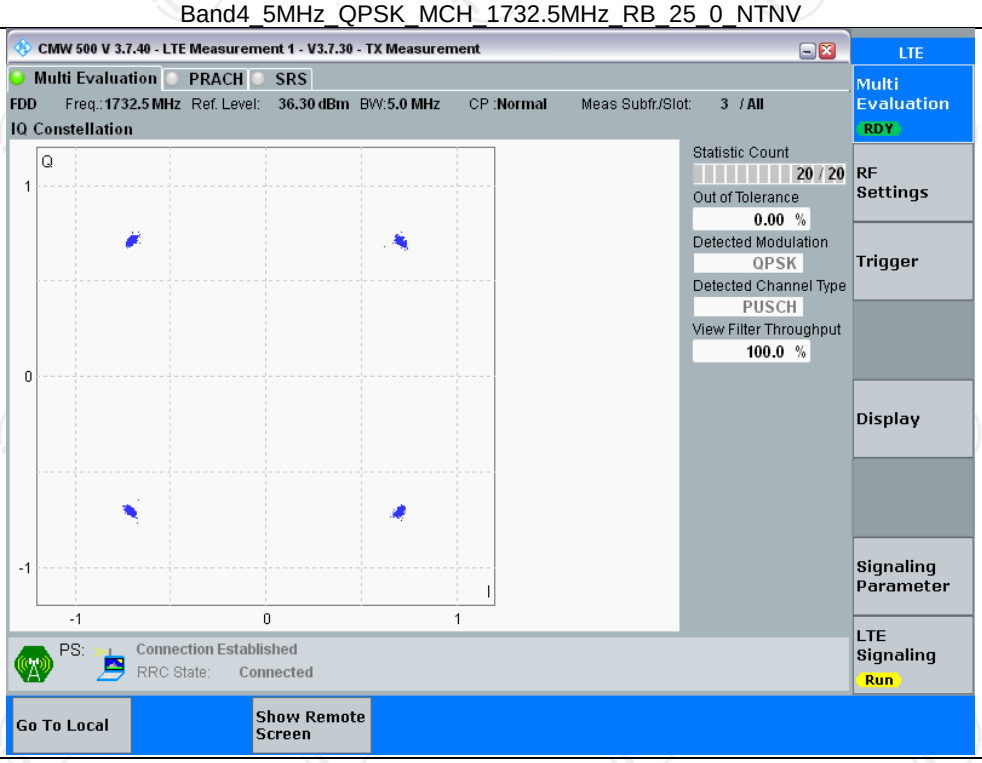


Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

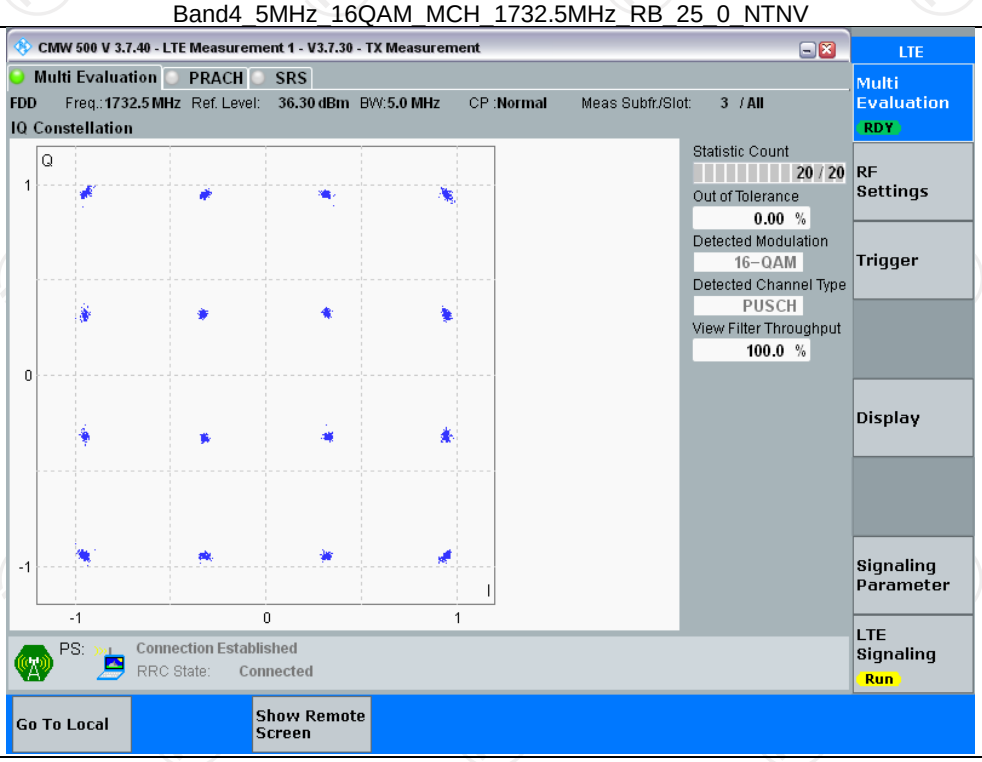


3.2.3 B4_5MHz

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

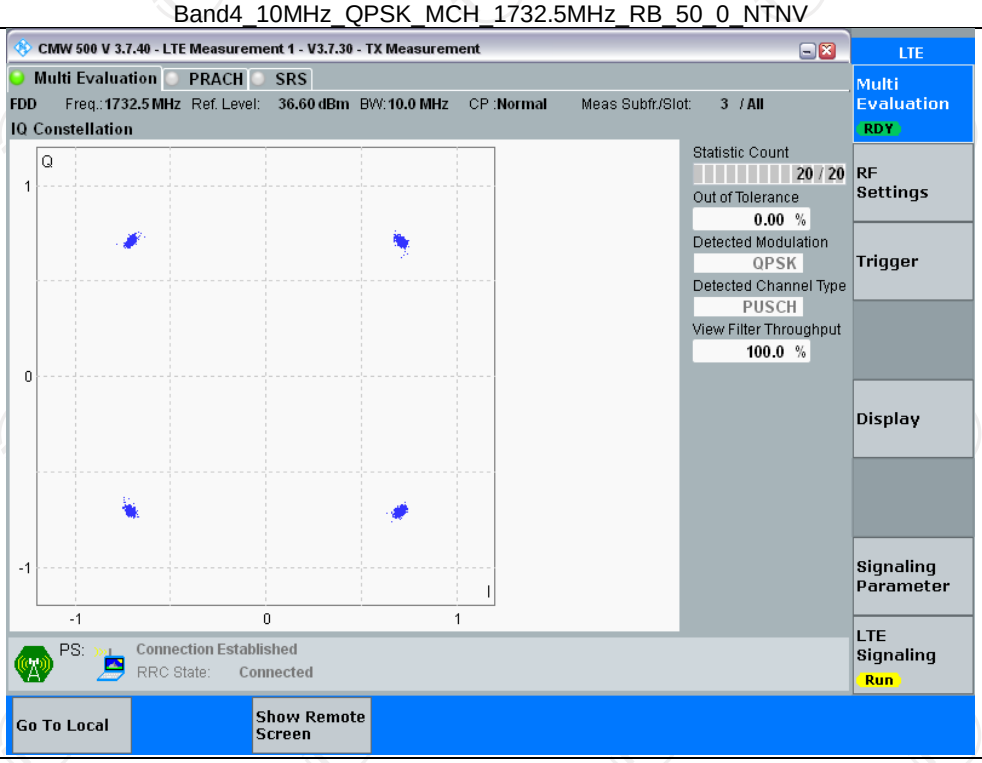


Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

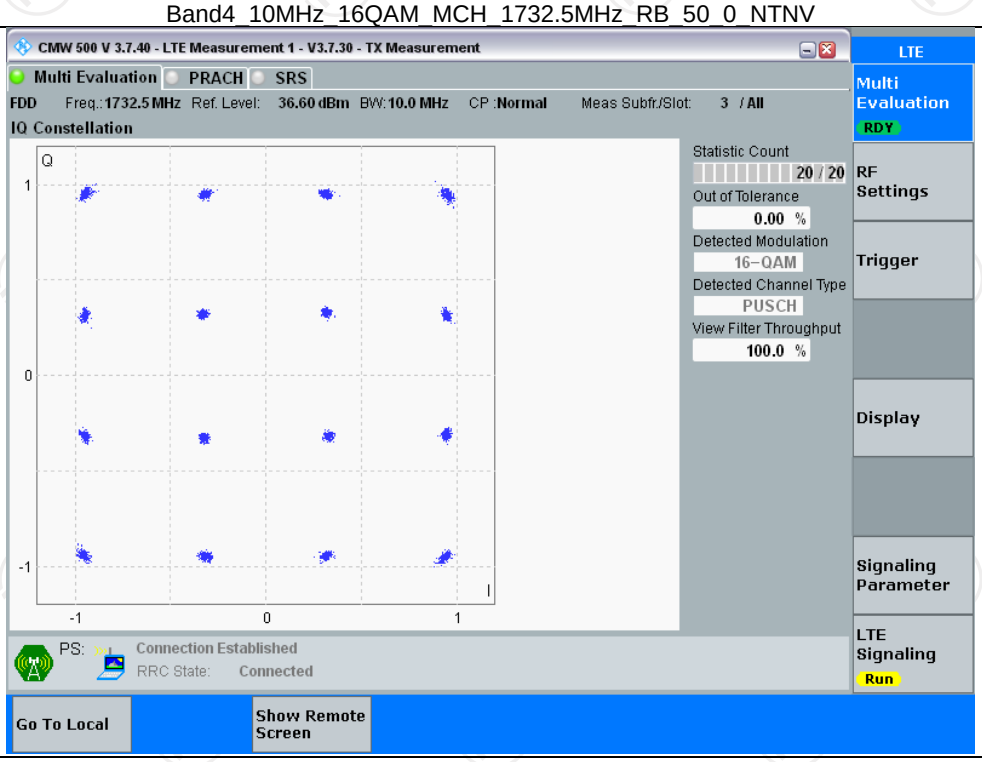


3.2.4 B4_10MHz

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

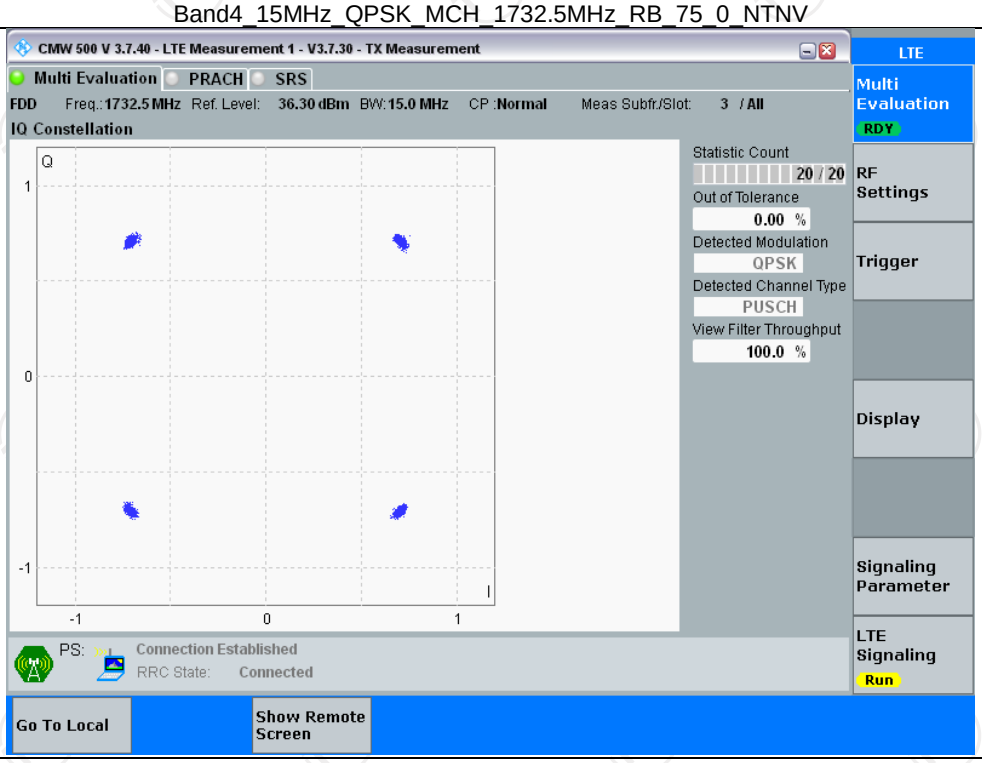


Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

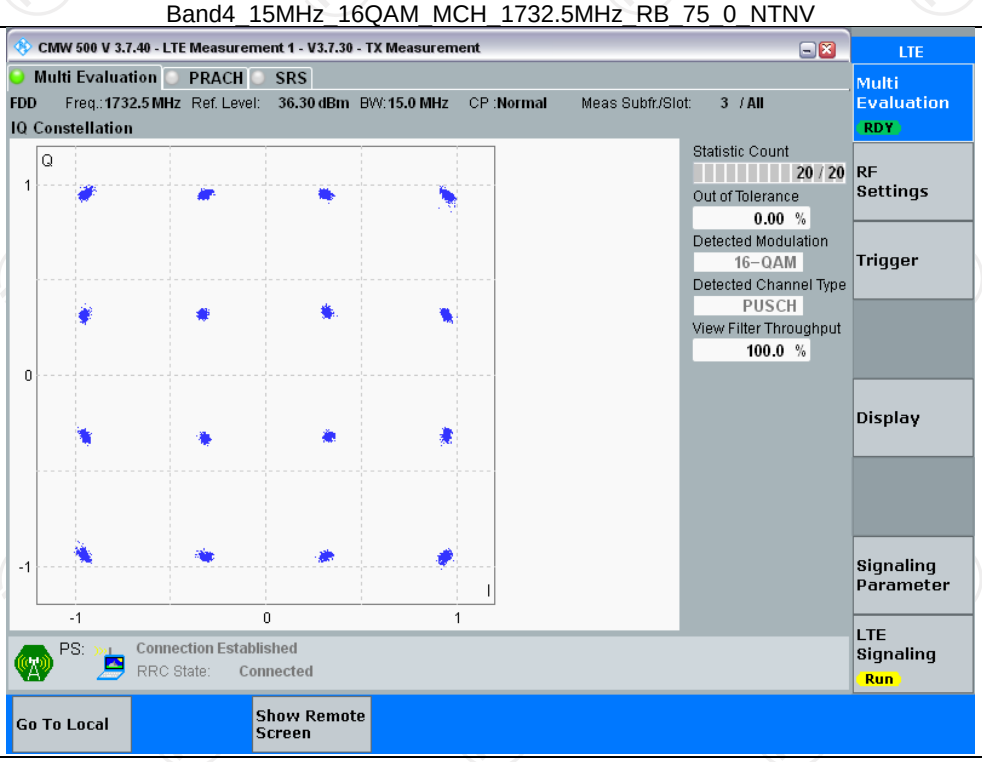


3.2.5 B4_15MHz

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

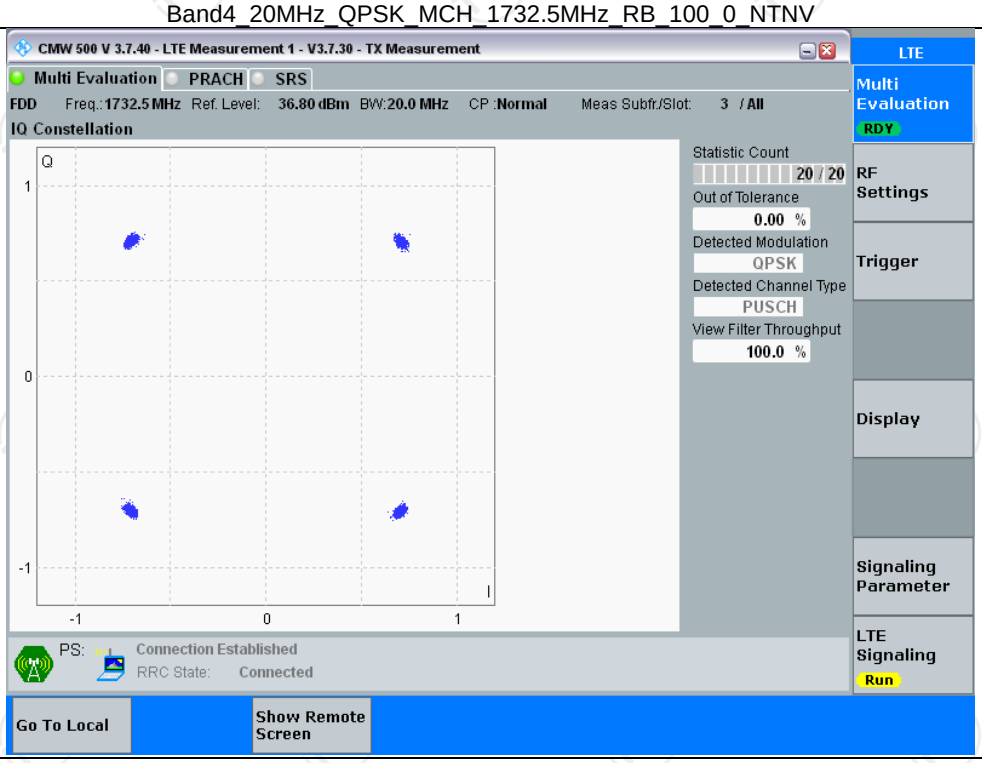


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

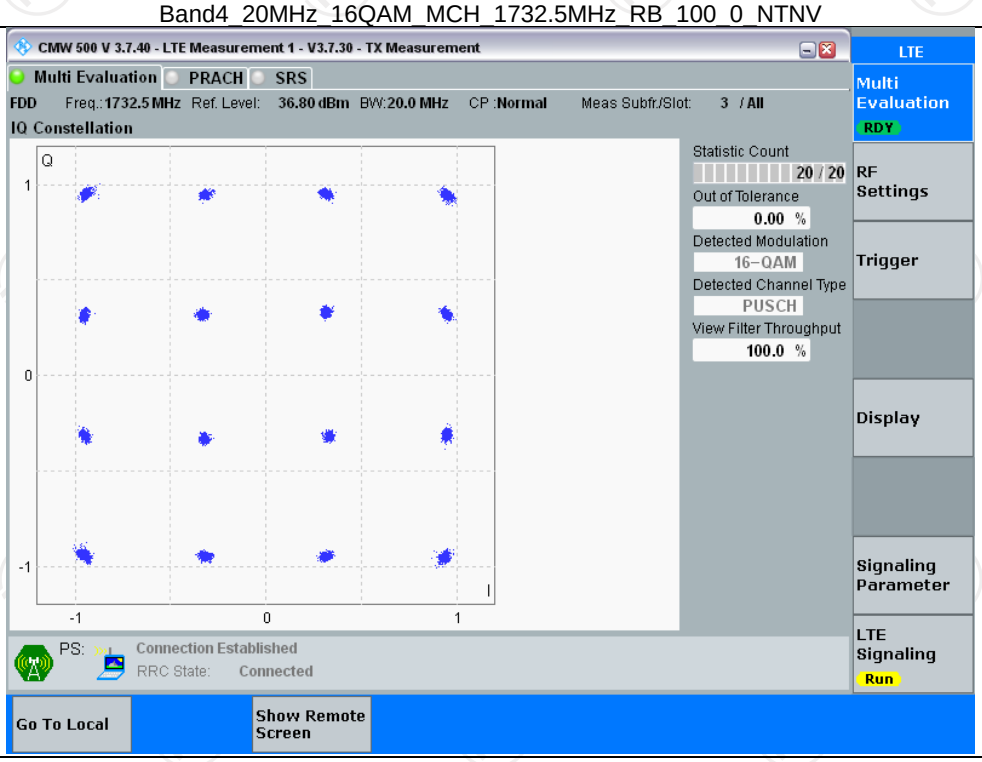


3.2.6 B4_20MHz

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	1.104	/	Pass
		1732.5	6	0	1.112	/	Pass
		1754.3	6	0	1.106	/	Pass
	16QAM	1710.7	6	0	1.112	/	Pass
		1732.5	6	0	1.123	/	Pass
		1754.3	6	0	1.113	/	Pass
3	QPSK	1711.5	15	0	2.754	/	Pass
		1732.5	15	0	2.747	/	Pass
		1753.5	15	0	2.760	/	Pass
	16QAM	1711.5	15	0	2.764	/	Pass
		1732.5	15	0	2.750	/	Pass
		1753.5	15	0	2.739	/	Pass
5	QPSK	1712.5	25	0	4.551	/	Pass
		1732.5	25	0	4.559	/	Pass
		1752.5	25	0	4.588	/	Pass
	16QAM	1712.5	25	0	4.571	/	Pass
		1732.5	25	0	4.582	/	Pass
		1752.5	25	0	4.556	/	Pass
10	QPSK	1715	50	0	9.104	/	Pass
		1732.5	50	0	9.049	/	Pass
		1750	50	0	9.063	/	Pass
	16QAM	1715	50	0	9.039	/	Pass
		1732.5	50	0	9.092	/	Pass
		1750	50	0	9.093	/	Pass
15	QPSK	1717.5	75	0	13.613	/	Pass
		1732.5	75	0	13.609	/	Pass
		1747.5	75	0	13.605	/	Pass
	16QAM	1717.5	75	0	13.620	/	Pass
		1732.5	75	0	13.637	/	Pass
		1747.5	75	0	13.618	/	Pass
20	QPSK	1720	100	0	18.163	/	Pass
		1732.5	100	0	18.194	/	Pass
		1745	100	0	18.168	/	Pass
	16QAM	1720	100	0	18.178	/	Pass
		1732.5	100	0	18.177	/	Pass
		1745	100	0	18.148	/	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	1.277	/	Pass
		1732.5	6	0	1.273	/	Pass
		1754.3	6	0	1.279	/	Pass

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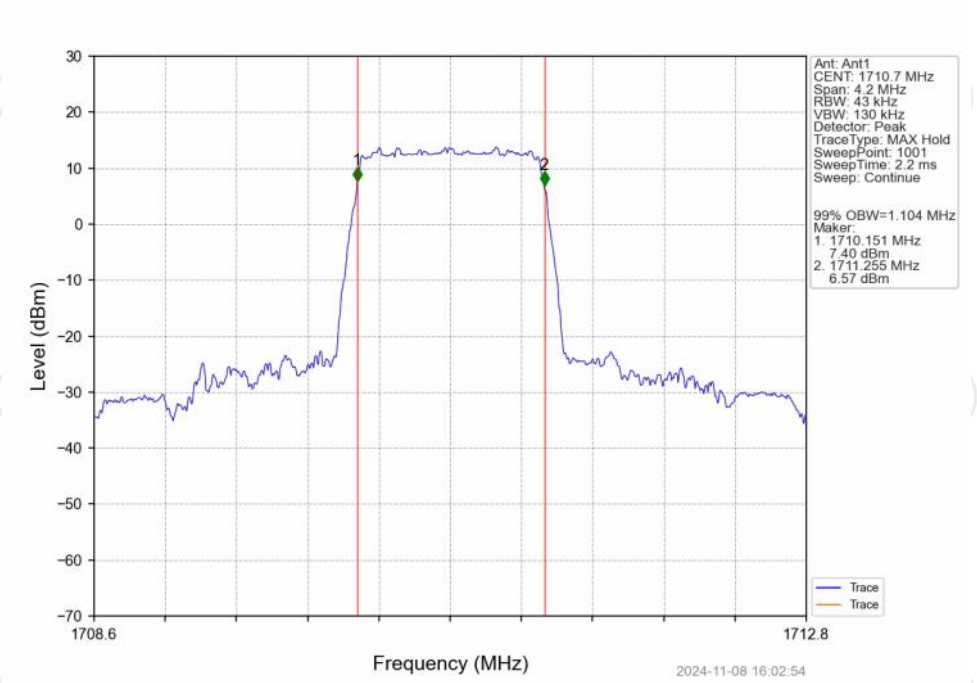
	16QAM	1710.7	6	0	1.267	/	Pass
		1732.5	6	0	1.276	/	Pass
		1754.3	6	0	1.281	/	Pass
3	QPSK	1711.5	15	0	3.095	/	Pass
		1732.5	15	0	3.099	/	Pass
		1753.5	15	0	3.094	/	Pass
	16QAM	1711.5	15	0	3.116	/	Pass
		1732.5	15	0	3.100	/	Pass
		1753.5	15	0	3.106	/	Pass
5	QPSK	1712.5	25	0	5.070	/	Pass
		1732.5	25	0	5.069	/	Pass
		1752.5	25	0	5.053	/	Pass
	16QAM	1712.5	25	0	5.030	/	Pass
		1732.5	25	0	5.055	/	Pass
		1752.5	25	0	5.041	/	Pass
10	QPSK	1715	50	0	10.073	/	Pass
		1732.5	50	0	10.029	/	Pass
		1750	50	0	10.078	/	Pass
	16QAM	1715	50	0	10.039	/	Pass
		1732.5	50	0	10.051	/	Pass
		1750	50	0	10.084	/	Pass
15	QPSK	1717.5	75	0	15.210	/	Pass
		1732.5	75	0	15.153	/	Pass
		1747.5	75	0	15.159	/	Pass
	16QAM	1717.5	75	0	15.294	/	Pass
		1732.5	75	0	15.151	/	Pass
		1747.5	75	0	15.267	/	Pass
20	QPSK	1720	100	0	20.025	/	Pass
		1732.5	100	0	20.024	/	Pass
		1745	100	0	20.111	/	Pass
	16QAM	1720	100	0	20.160	/	Pass
		1732.5	100	0	19.944	/	Pass
		1745	100	0	20.233	/	Pass

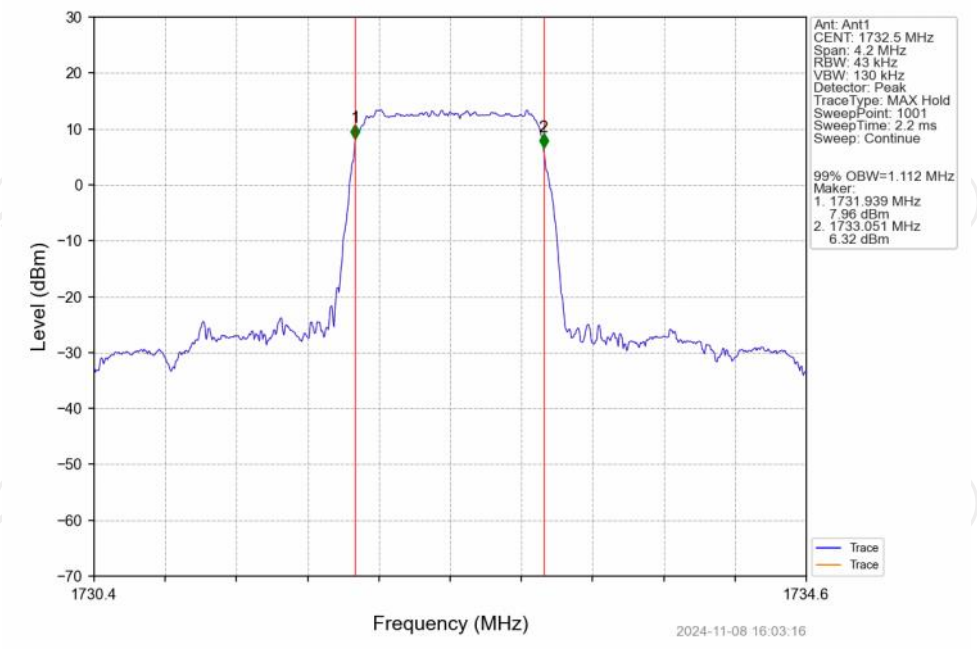
4.2 Test Graph

4.2.1 Band4_OBW

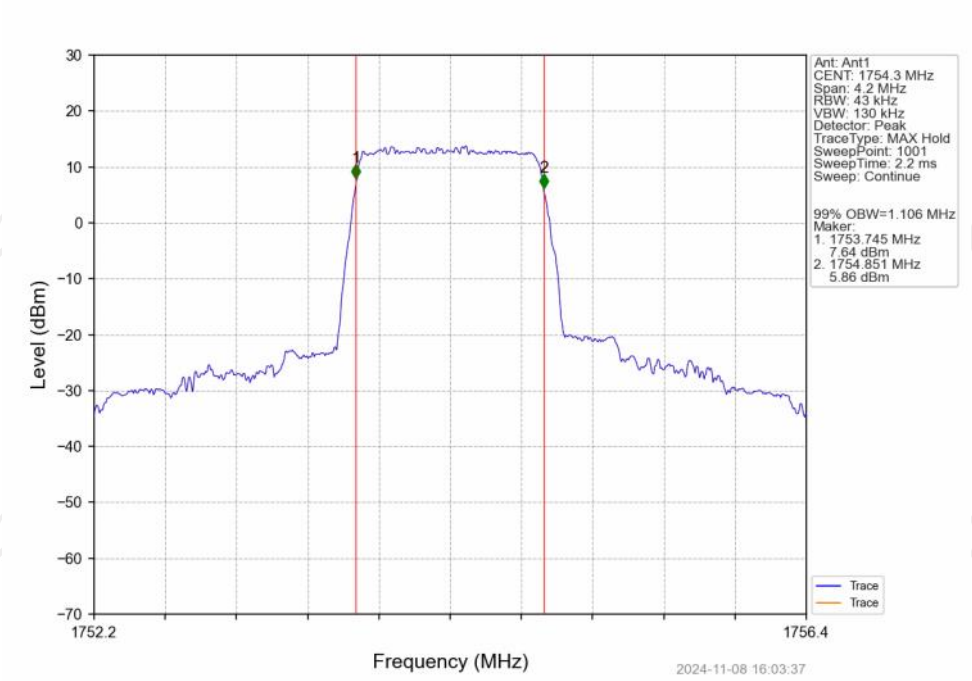
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



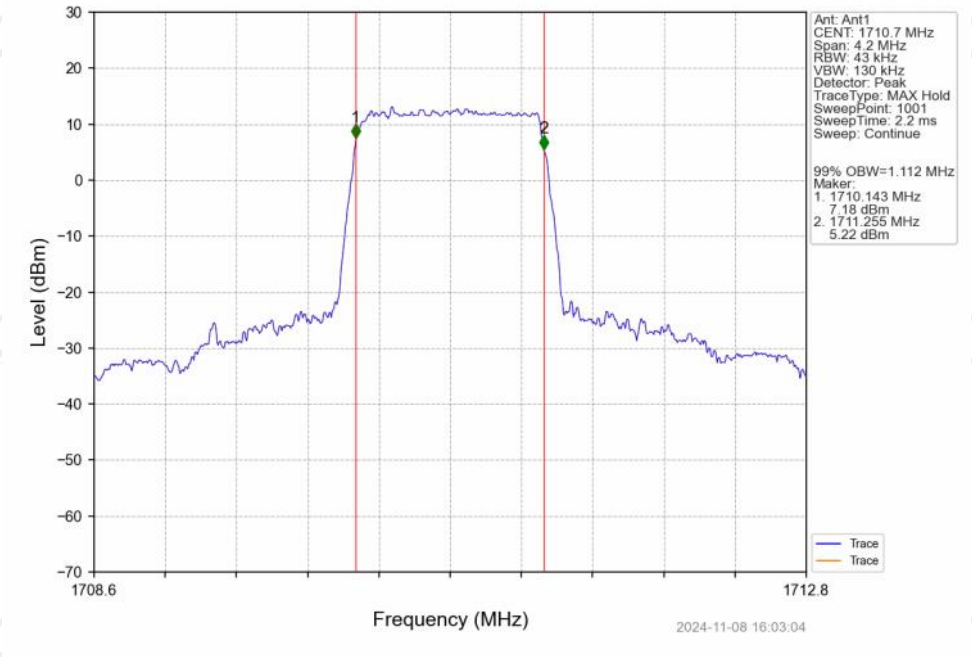
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



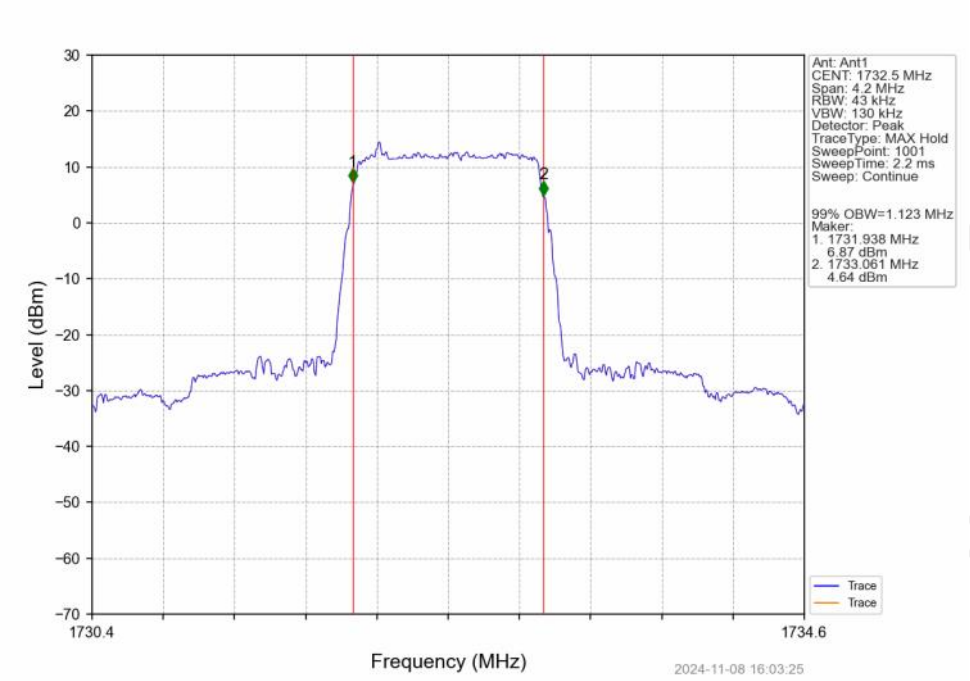
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



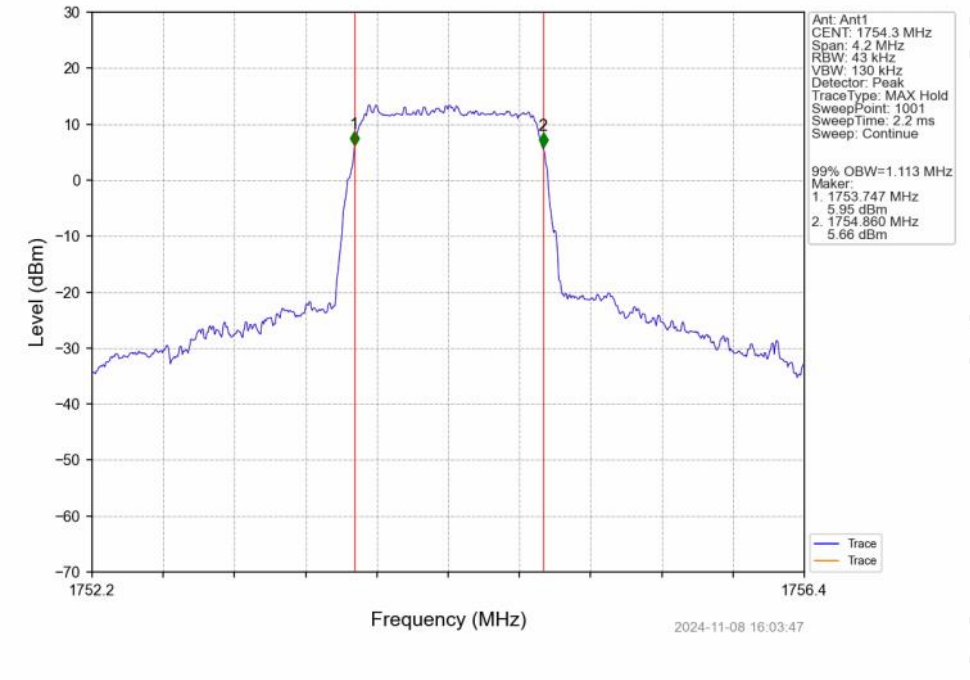
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



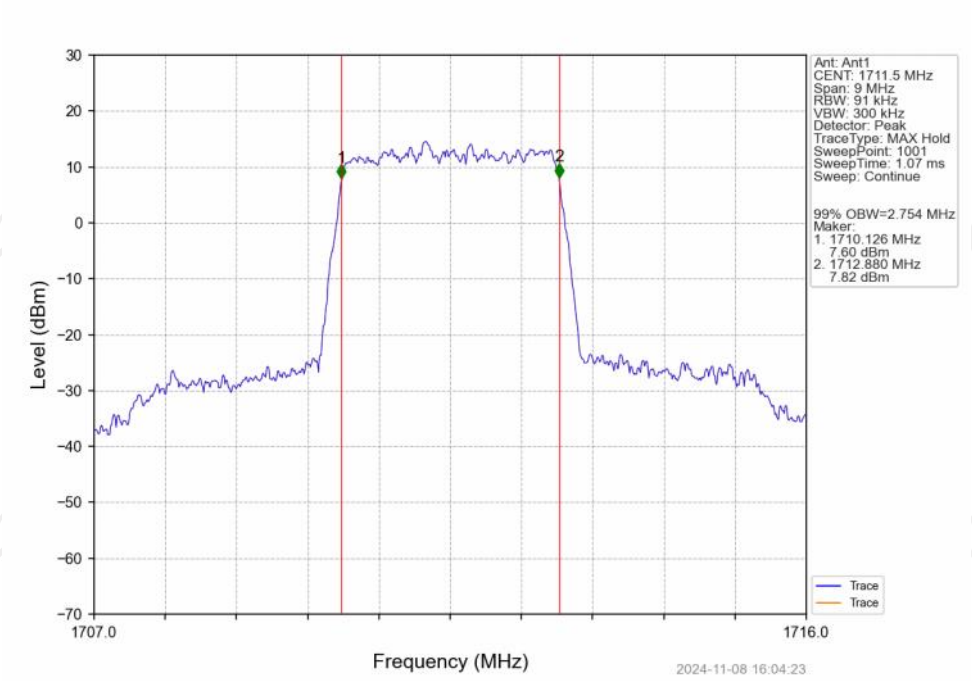
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



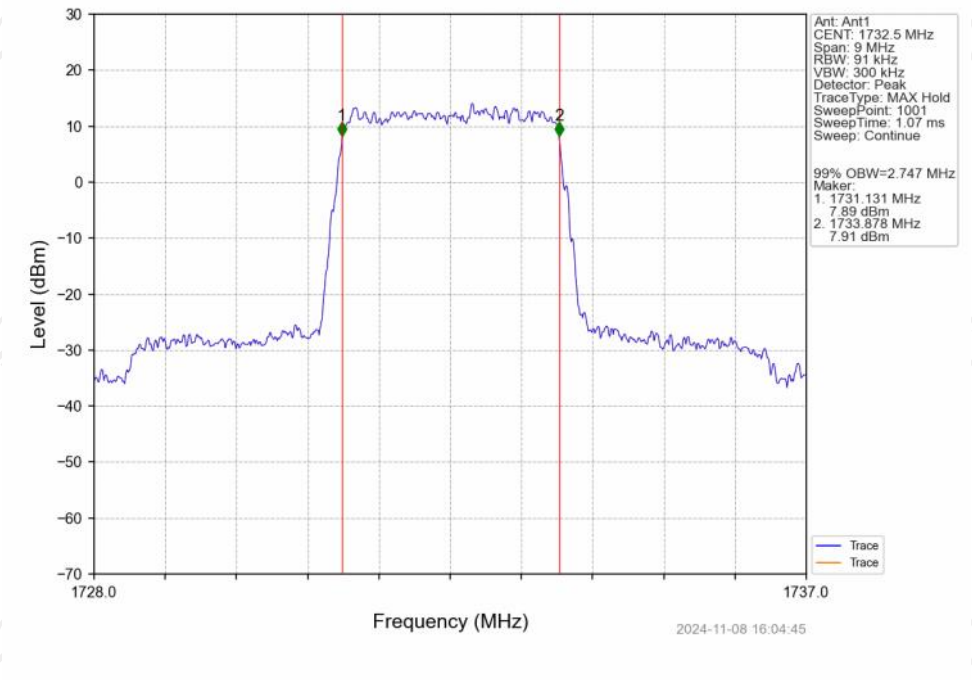
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



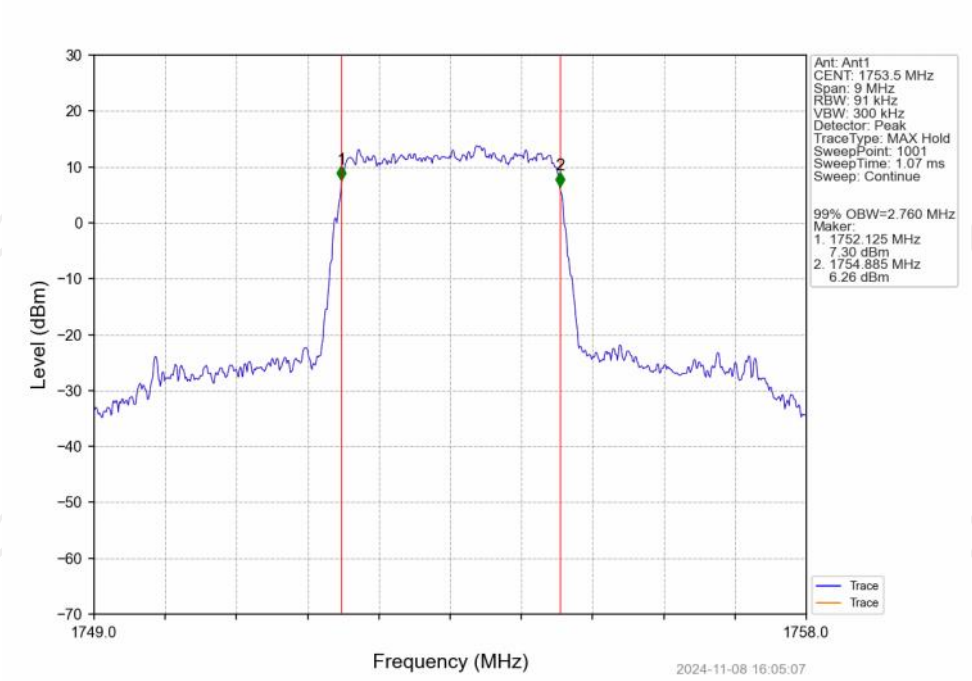
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



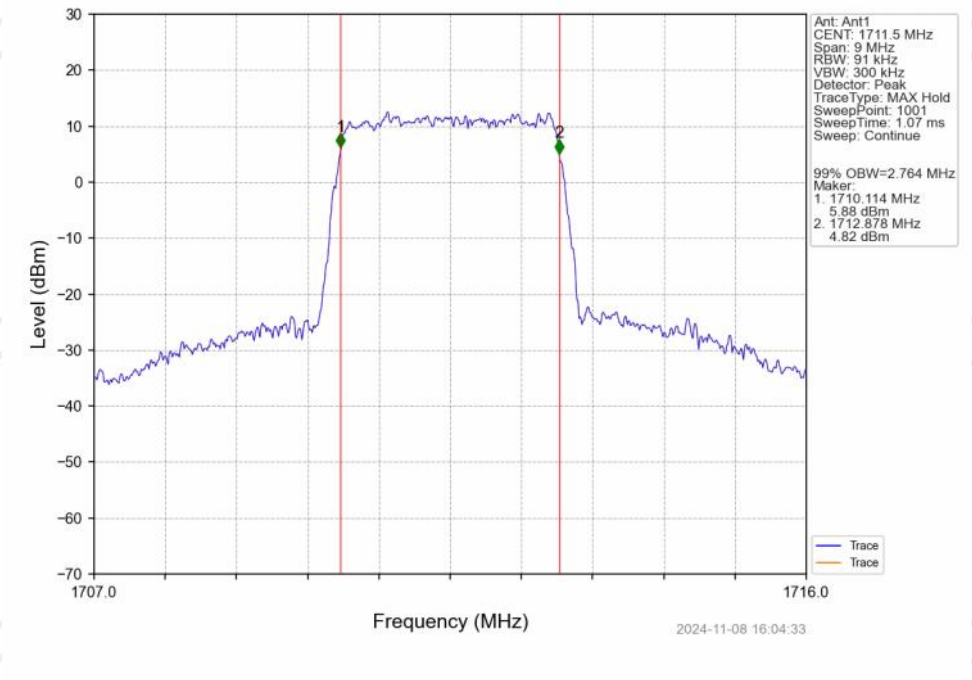
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



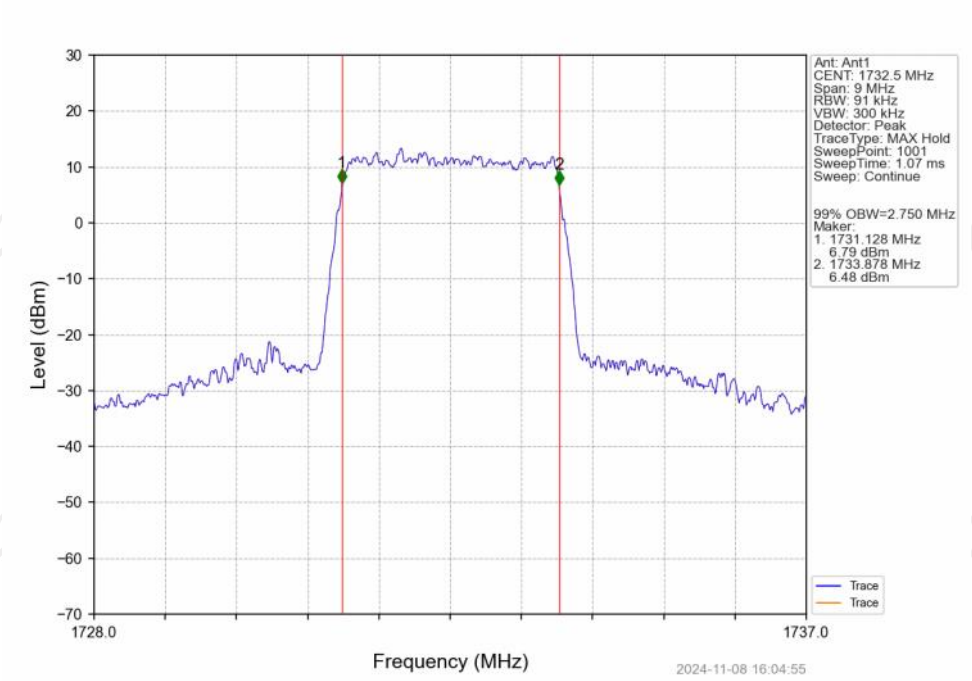
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



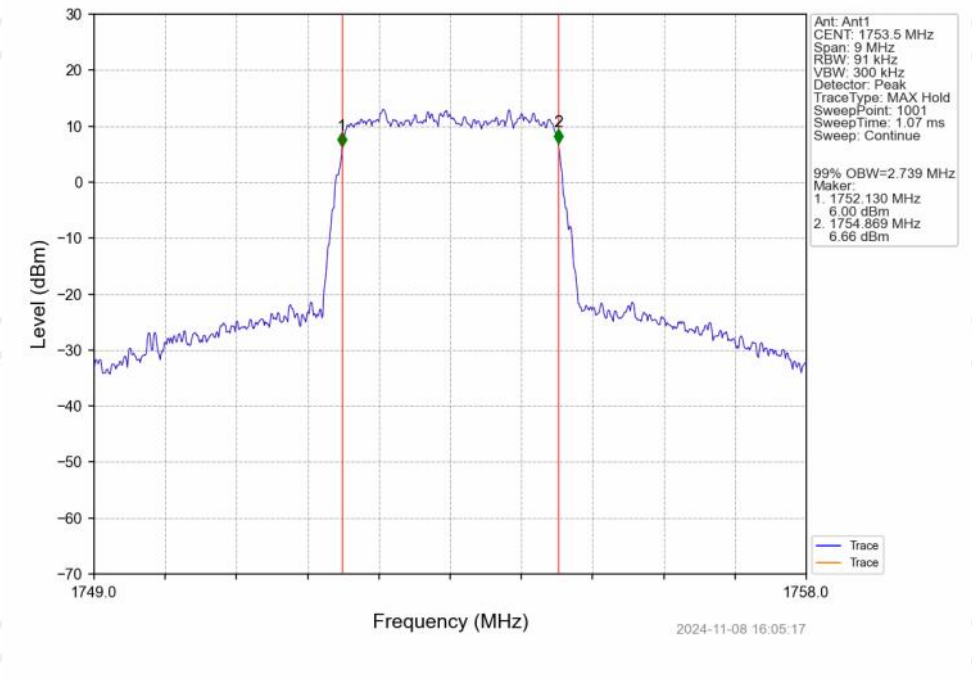
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



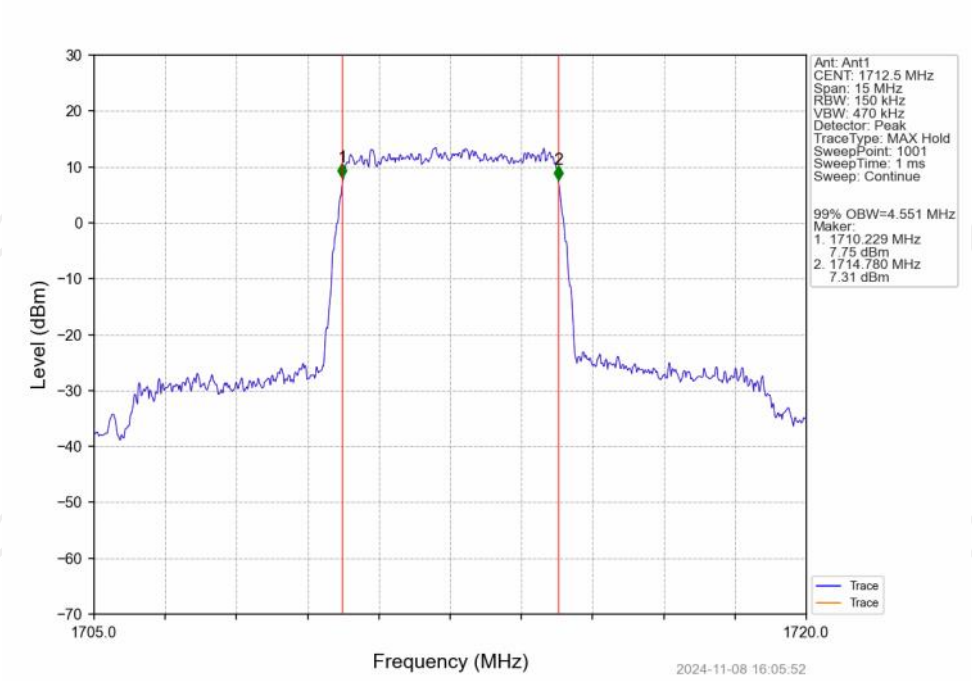
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



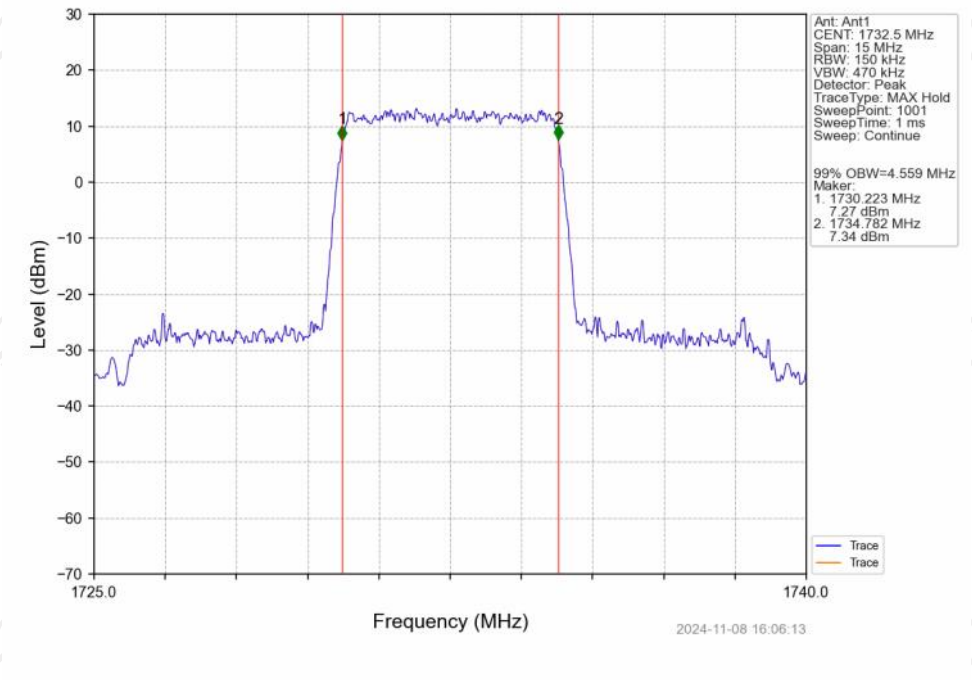
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



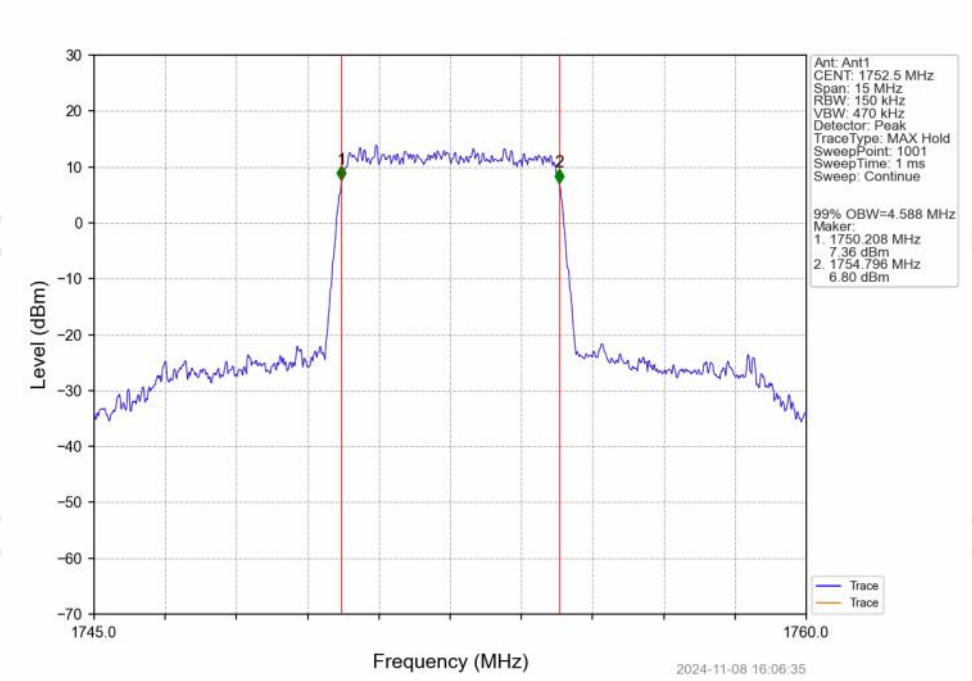
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



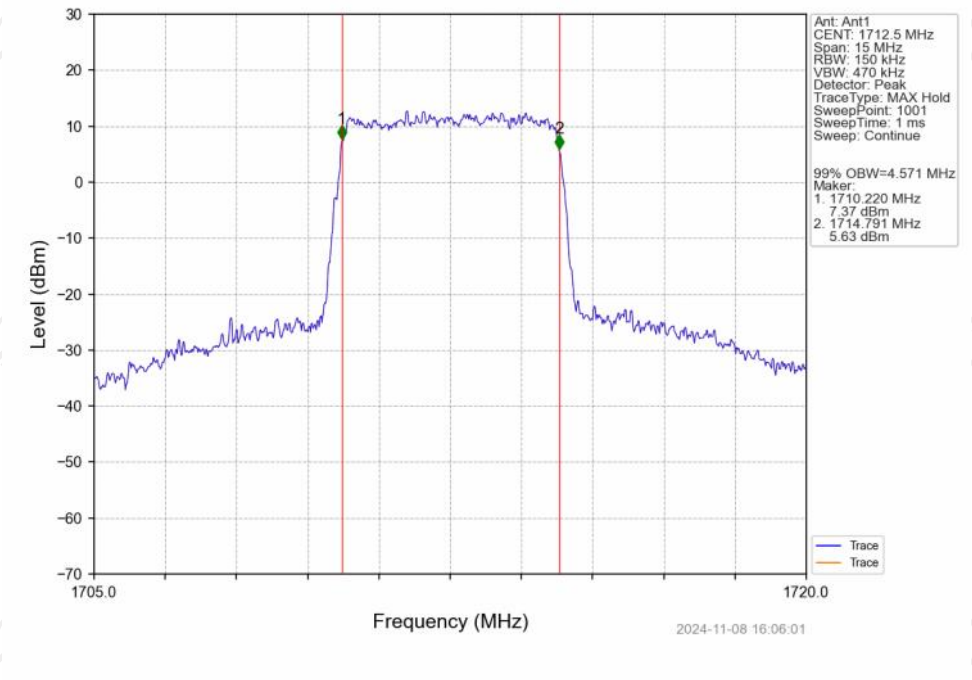
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



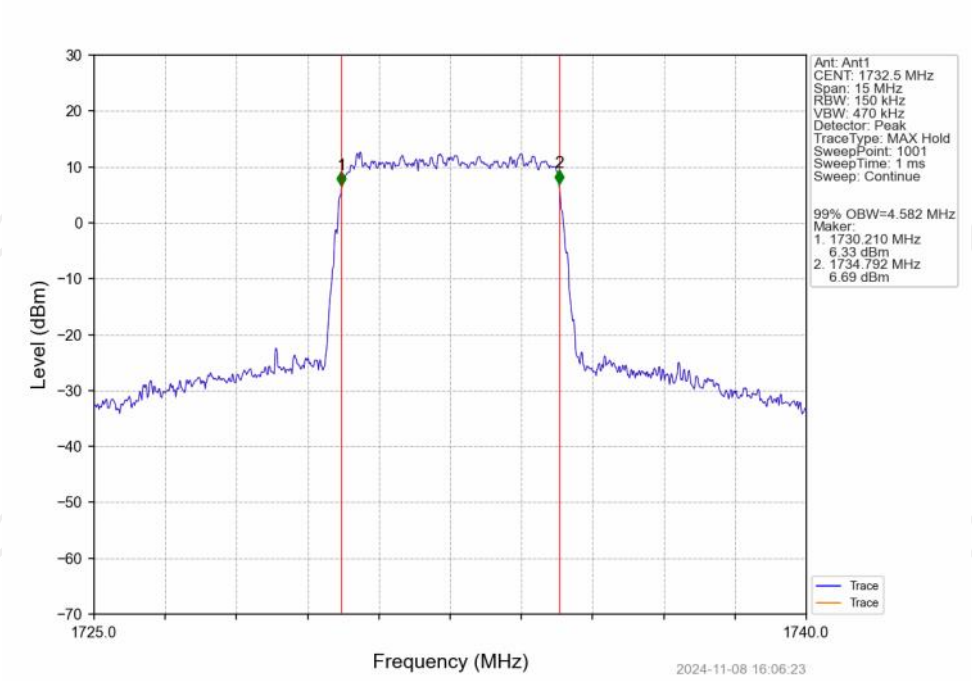
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



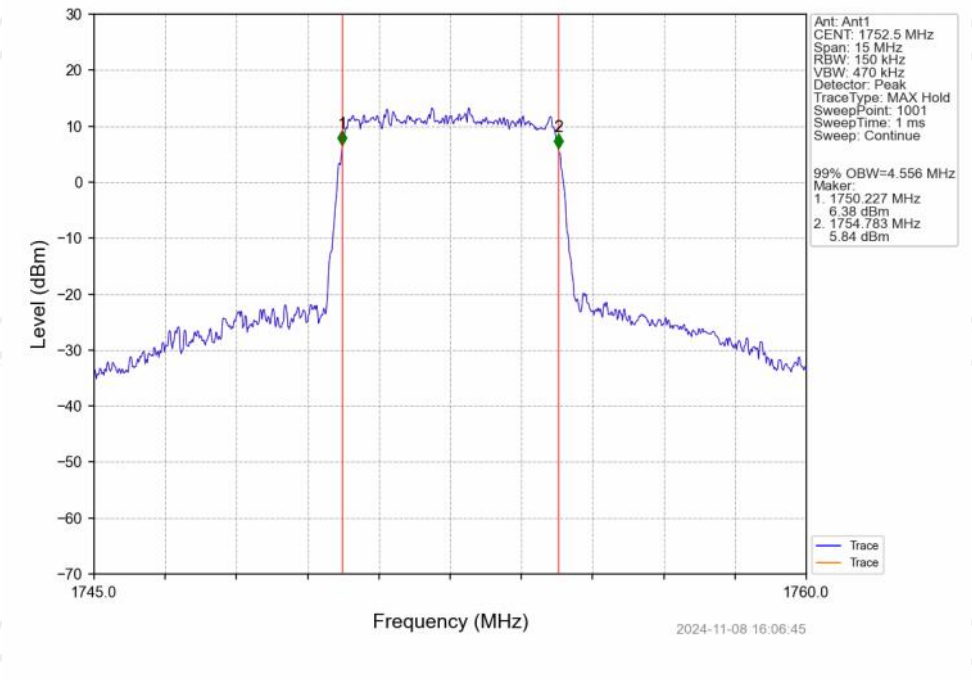
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



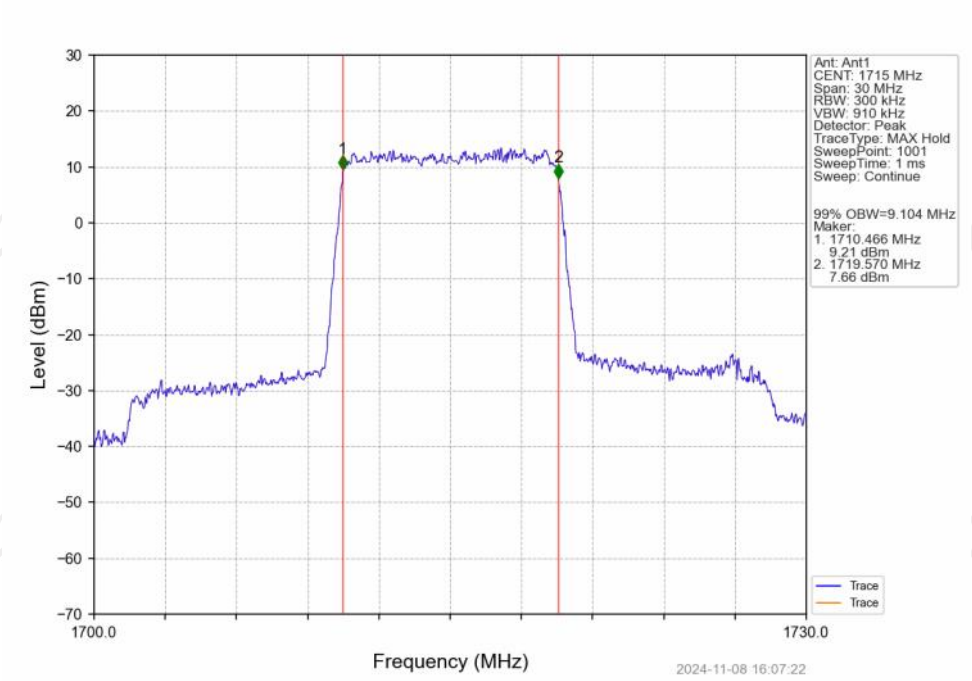
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



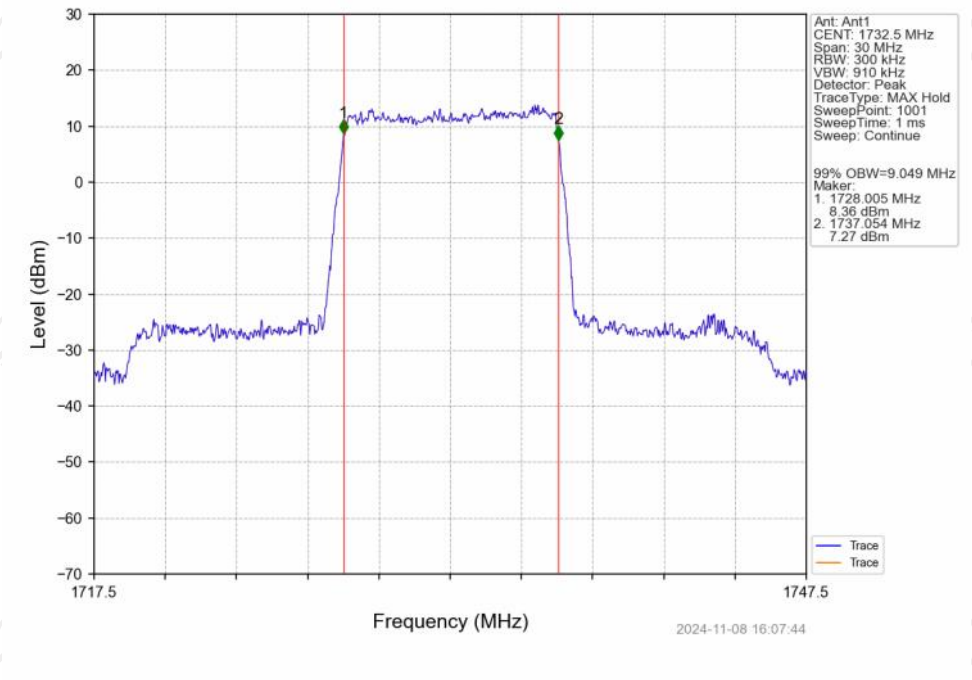
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



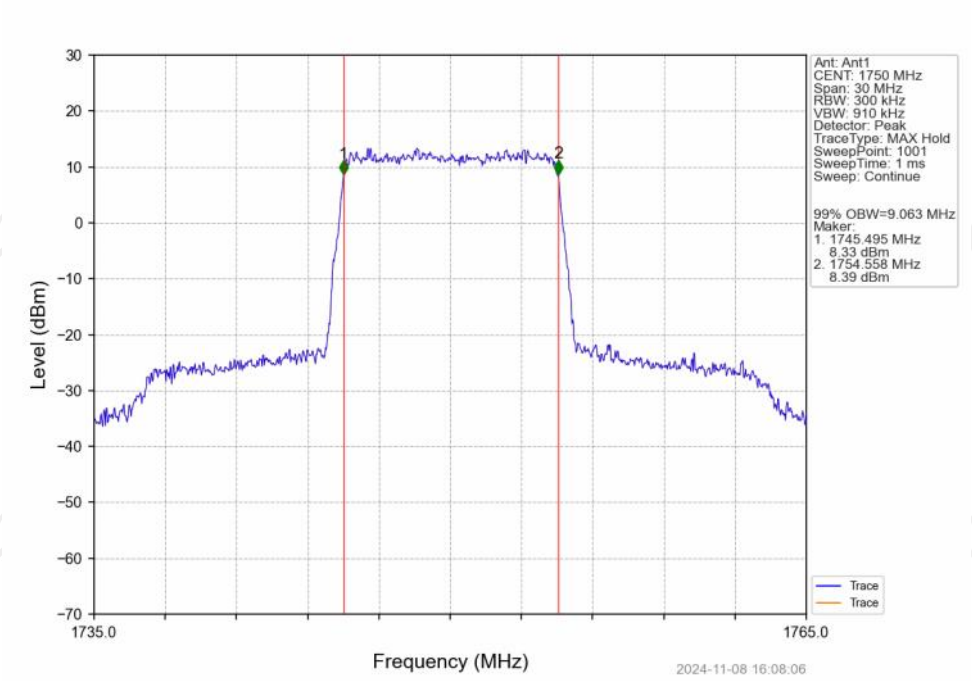
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



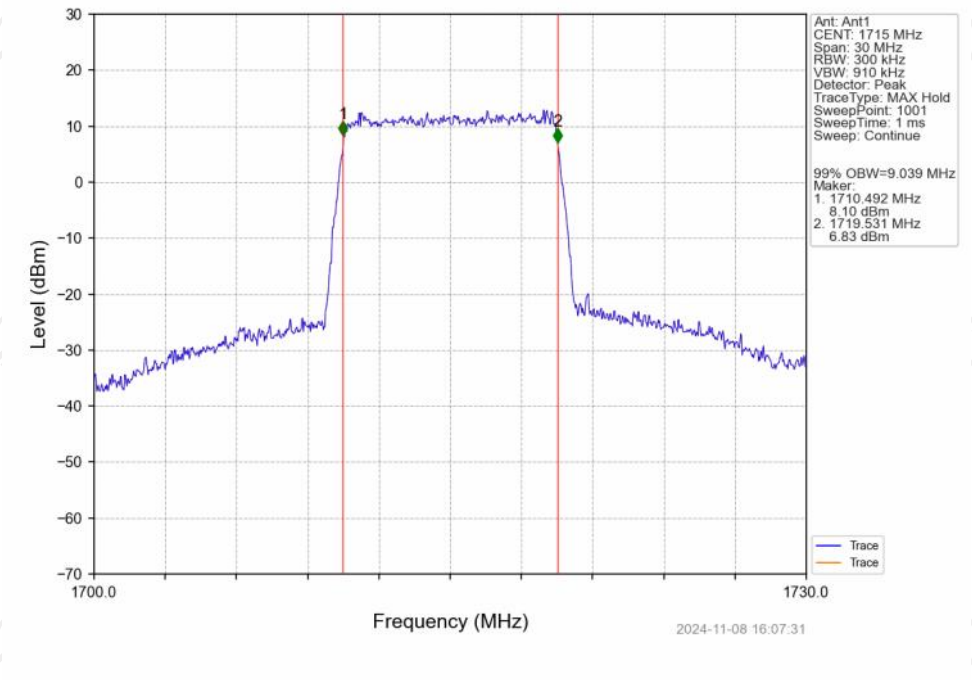
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



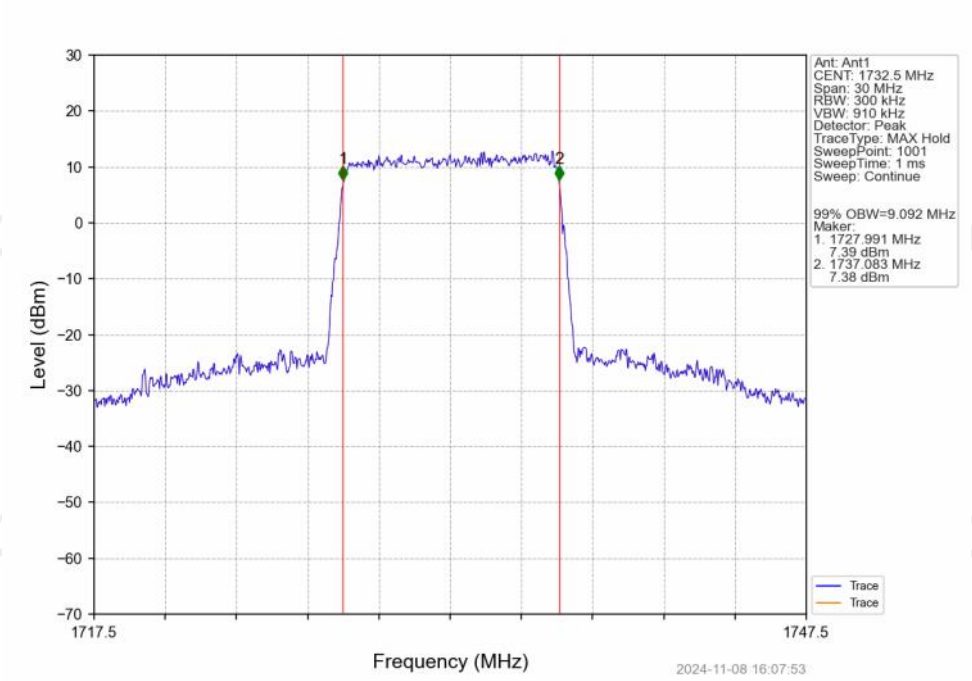
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



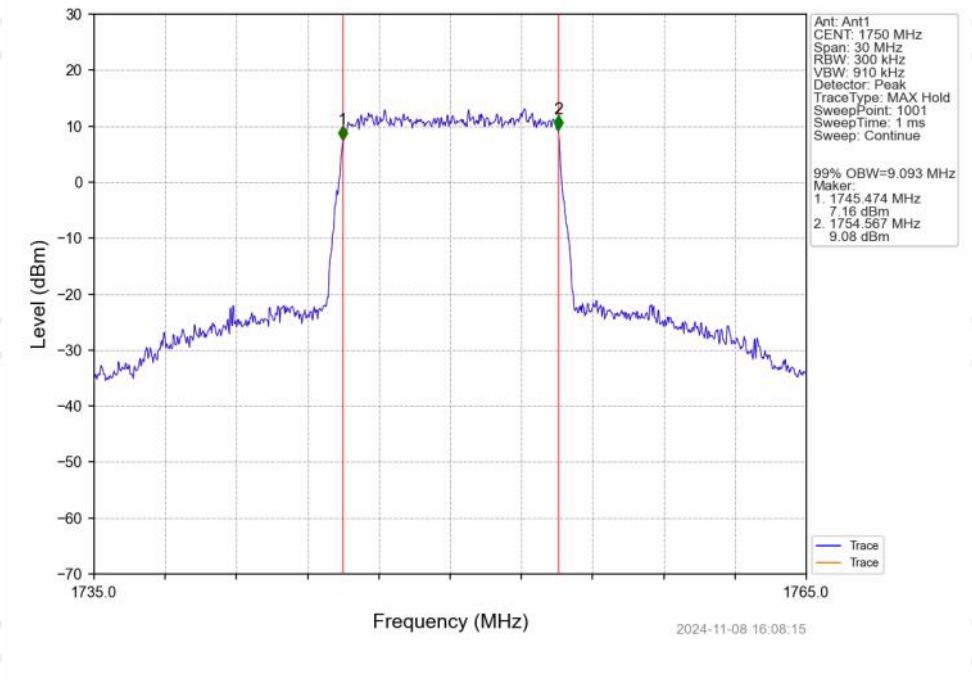
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



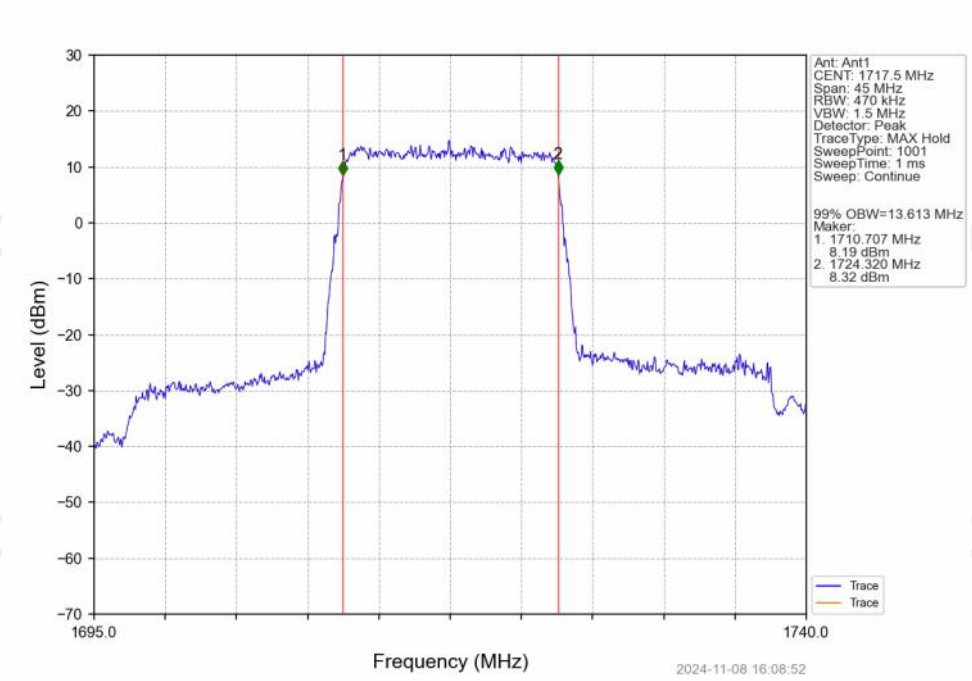
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



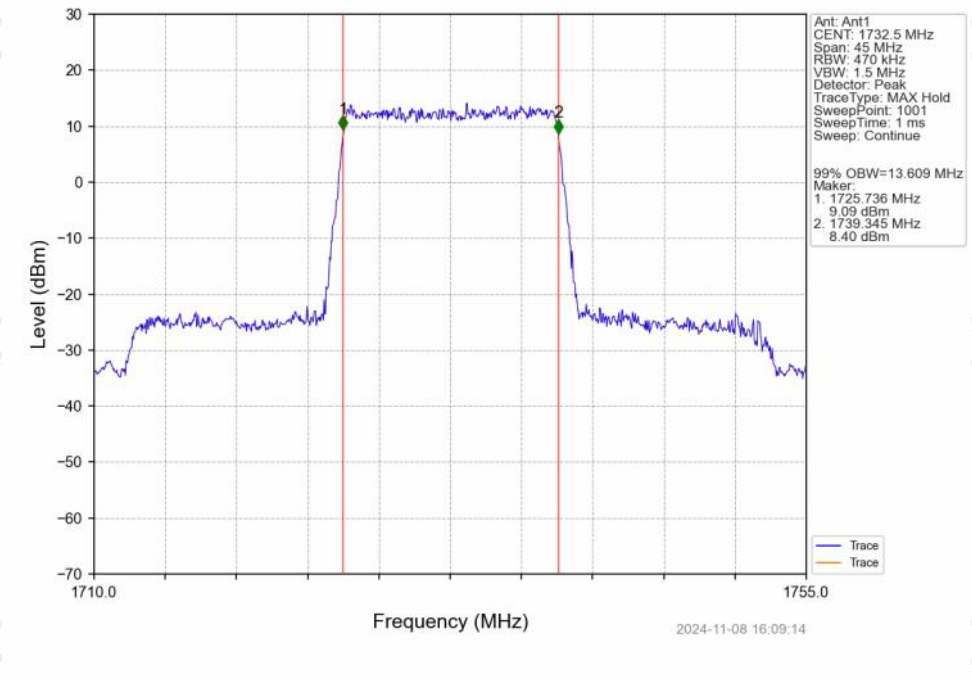
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



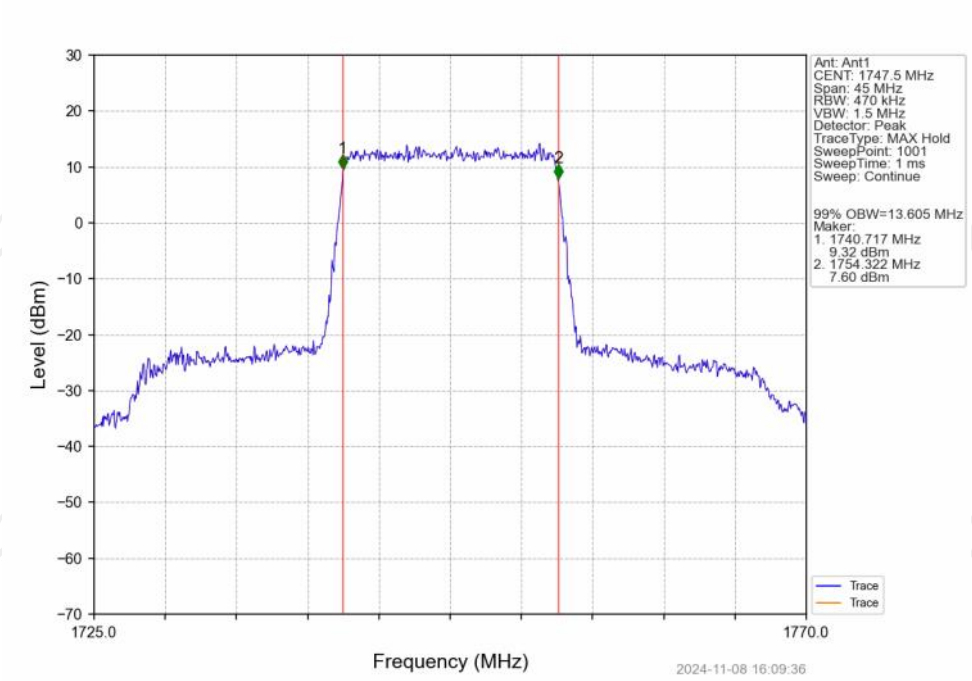
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



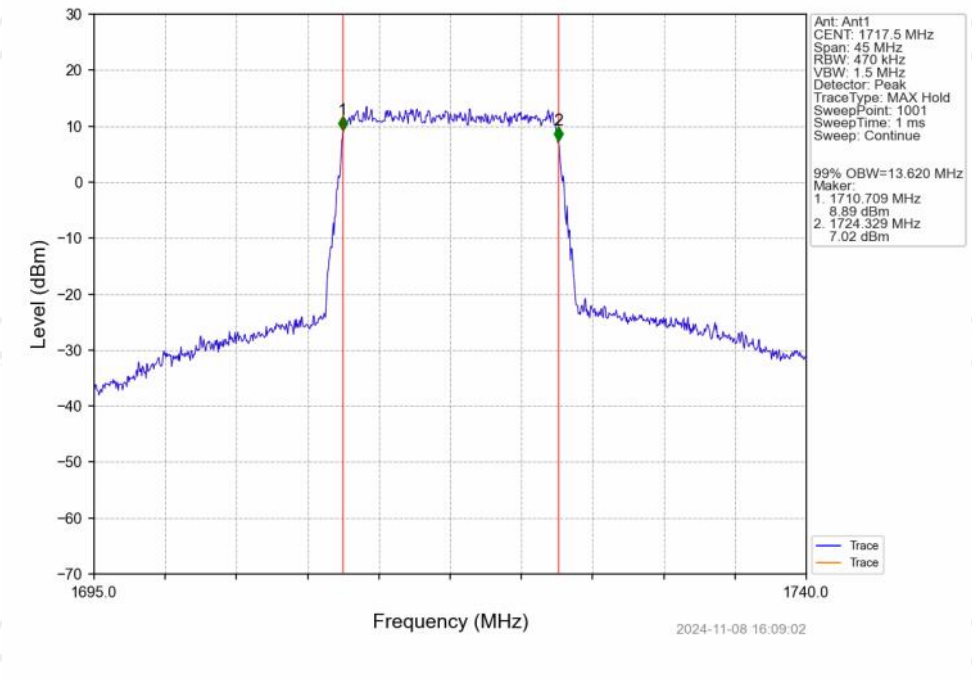
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



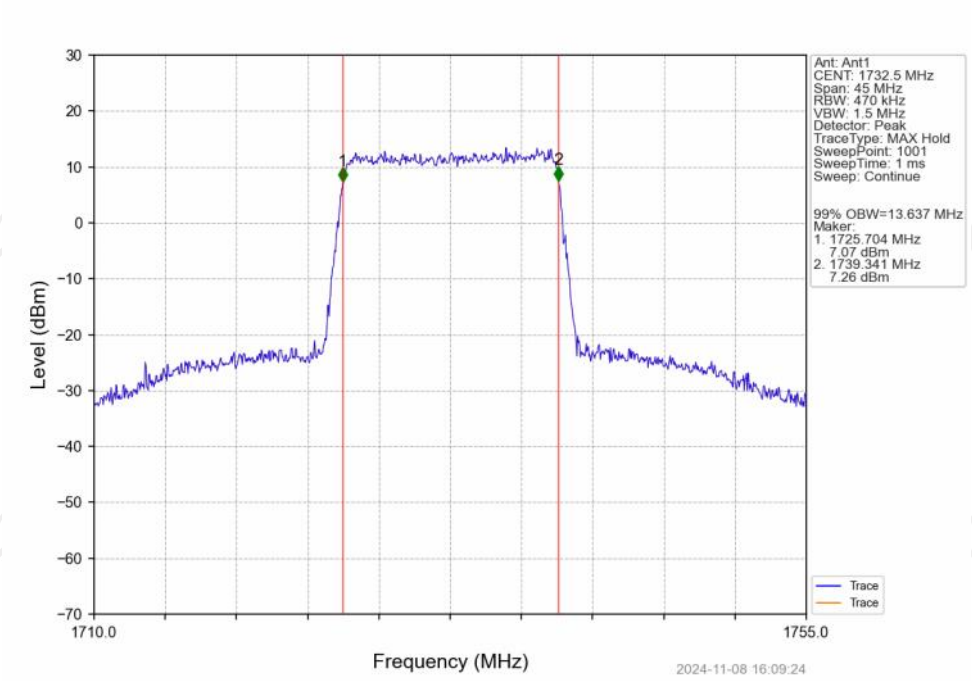
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



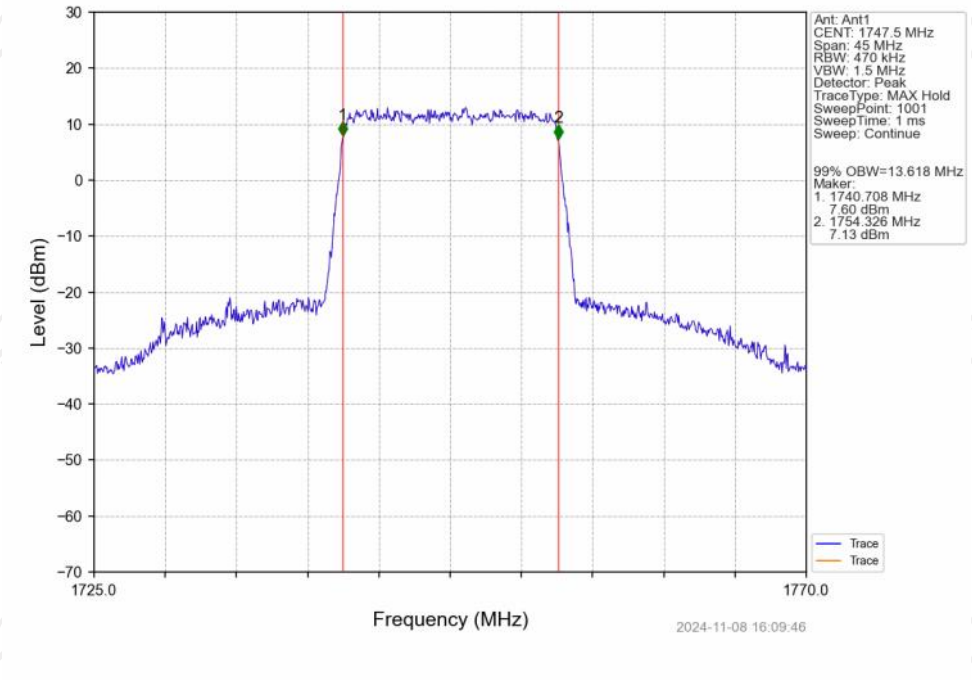
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



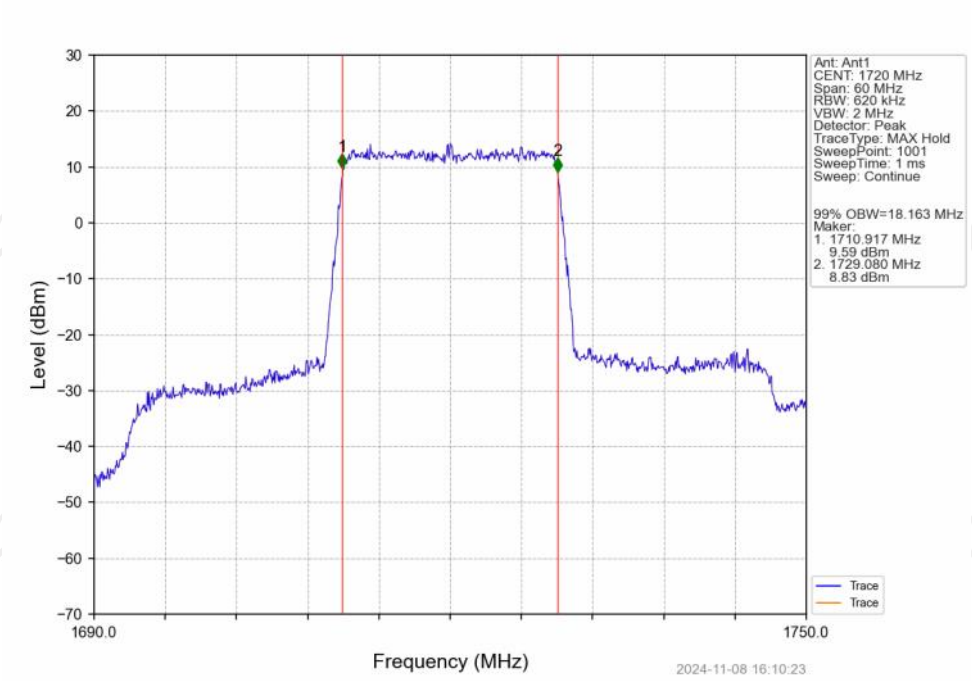
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



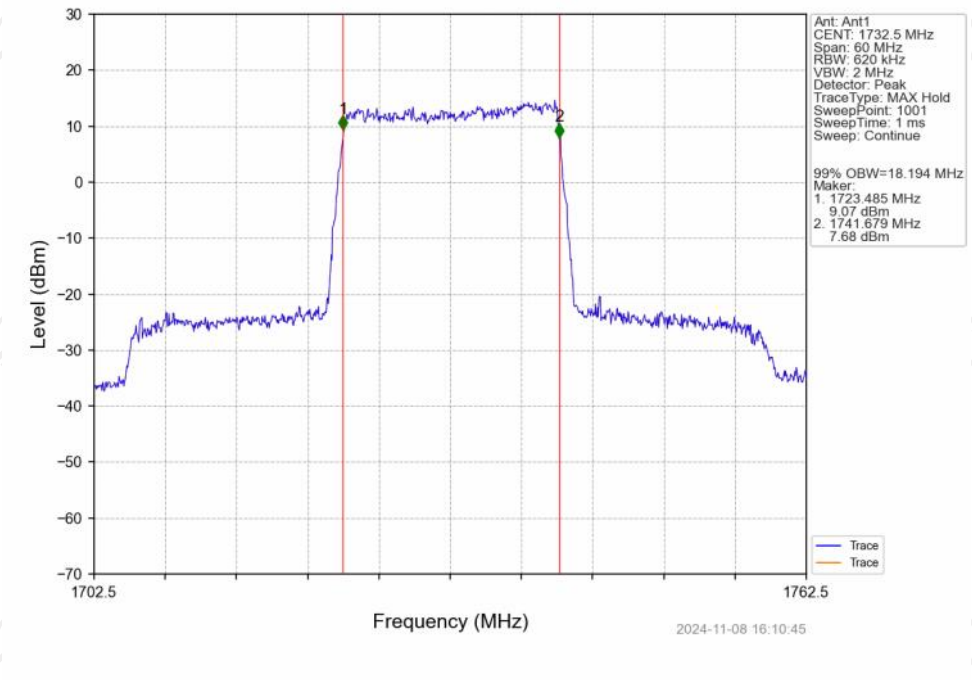
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



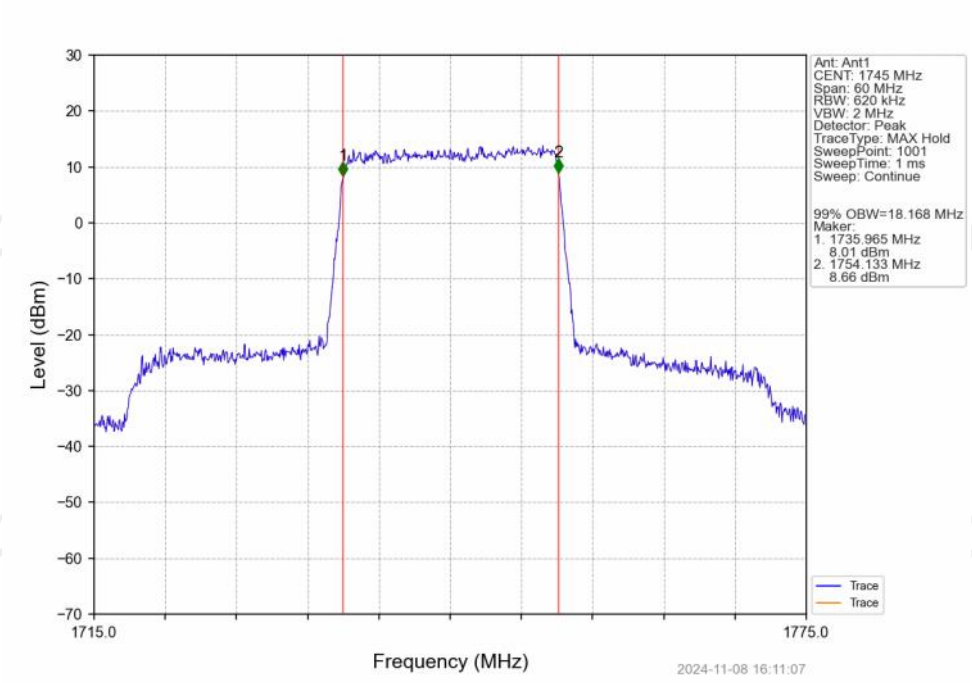
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



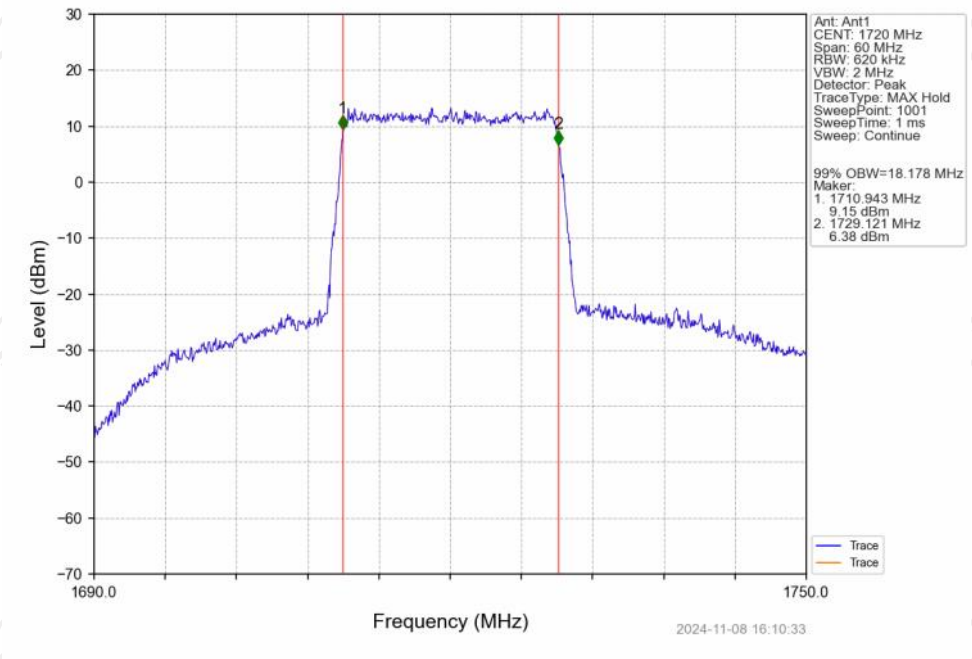
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



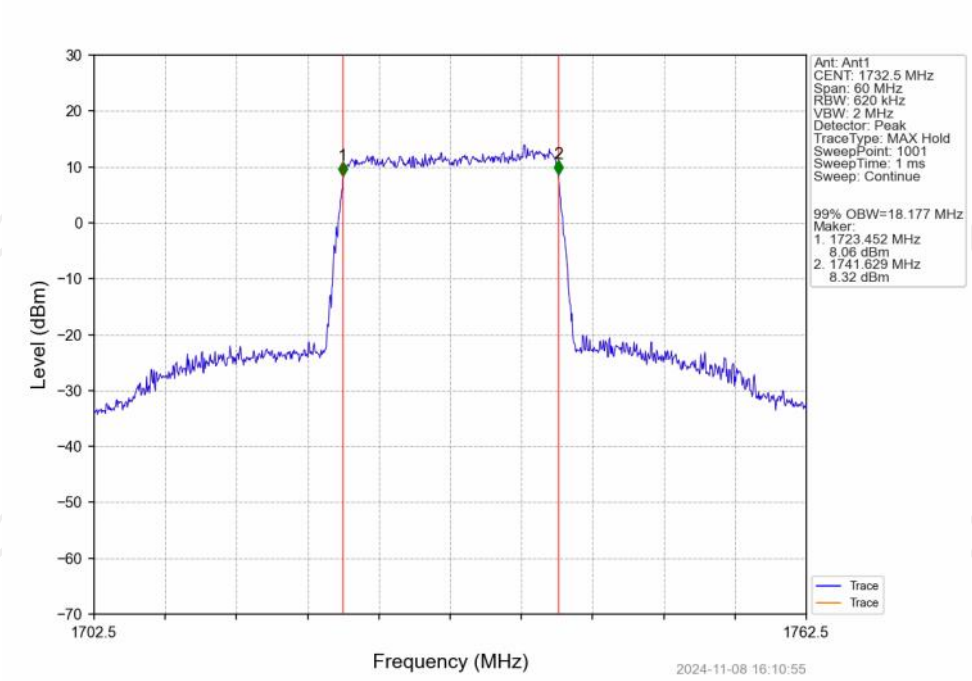
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



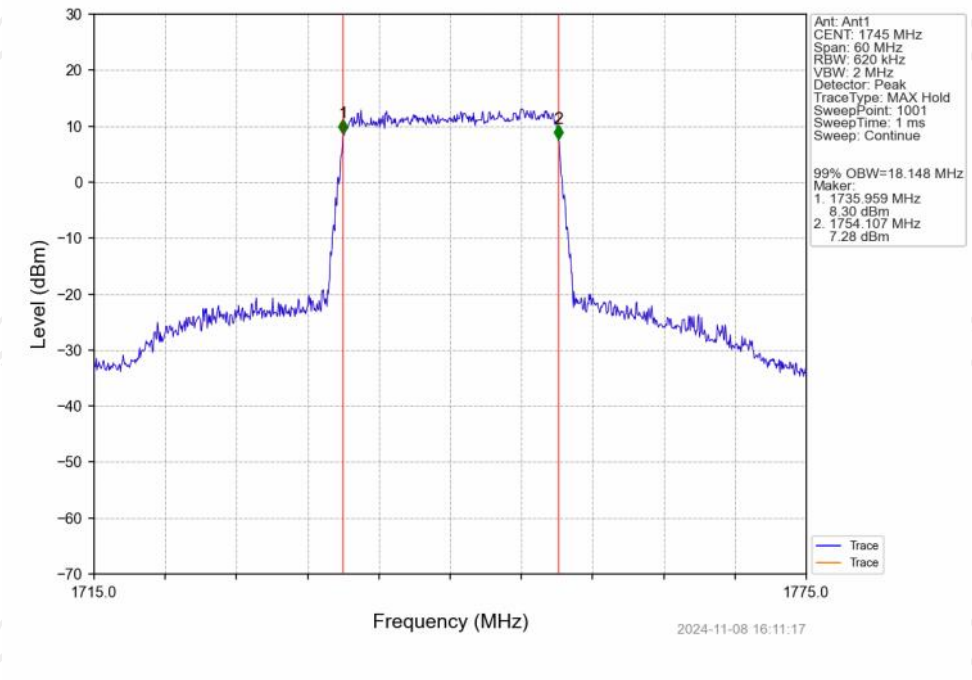
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

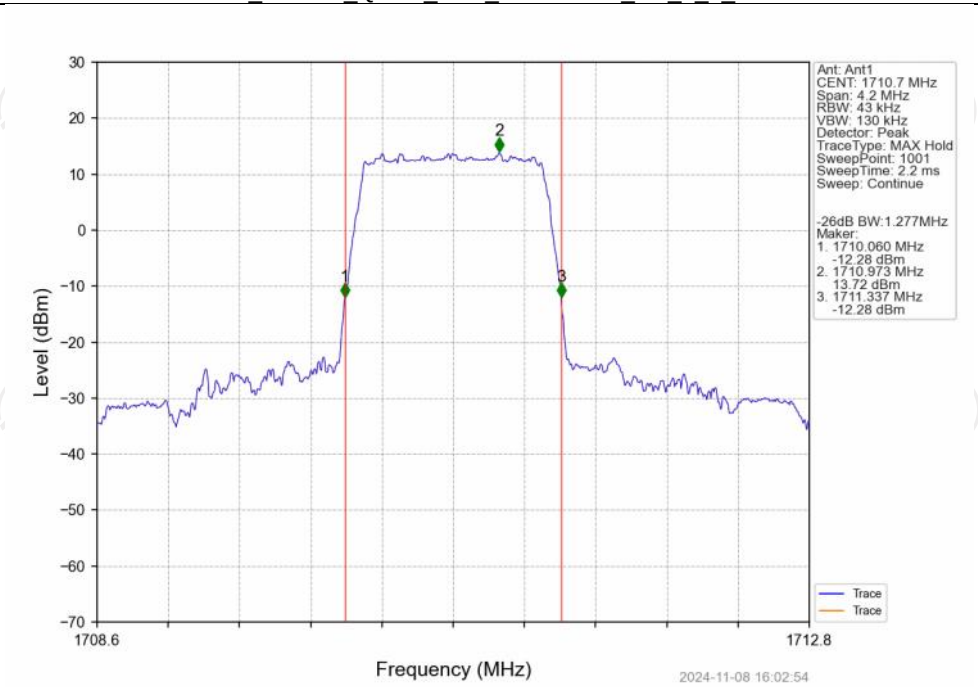


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

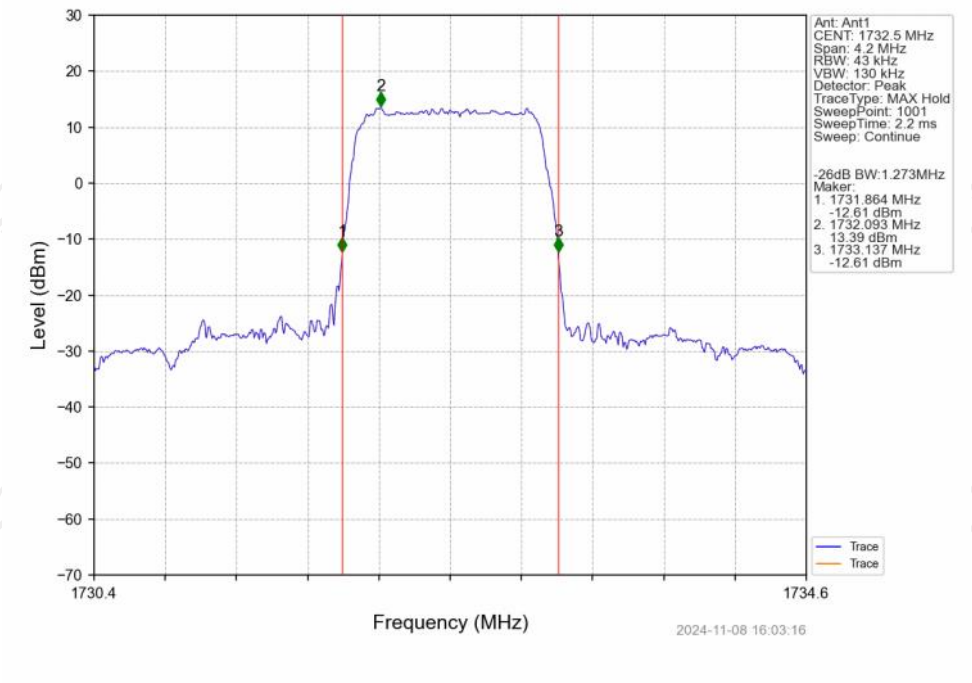


4.2.2 Band4_XDB

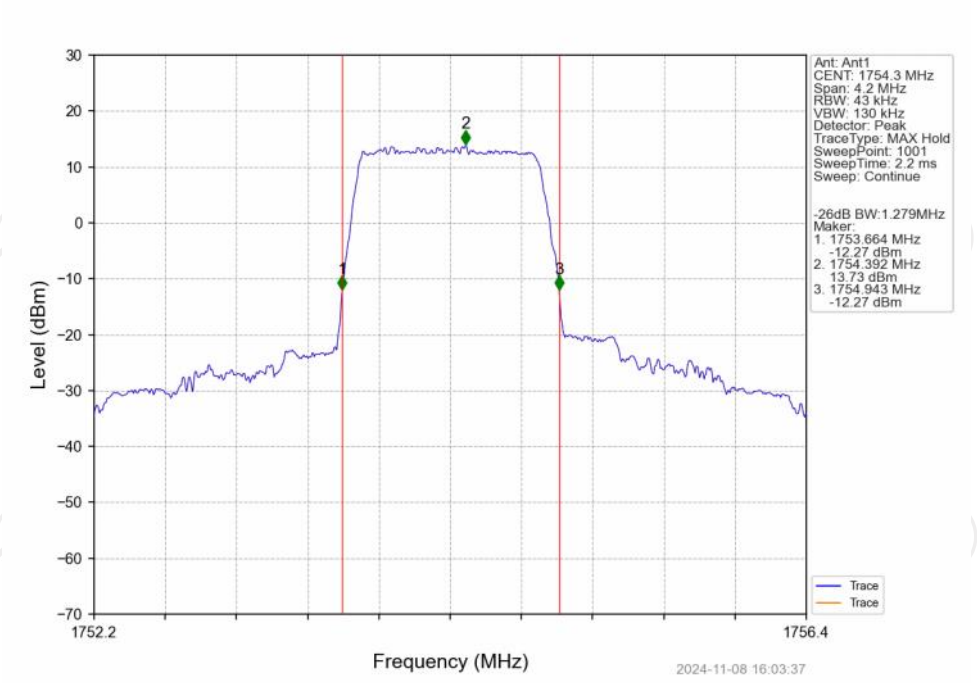
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



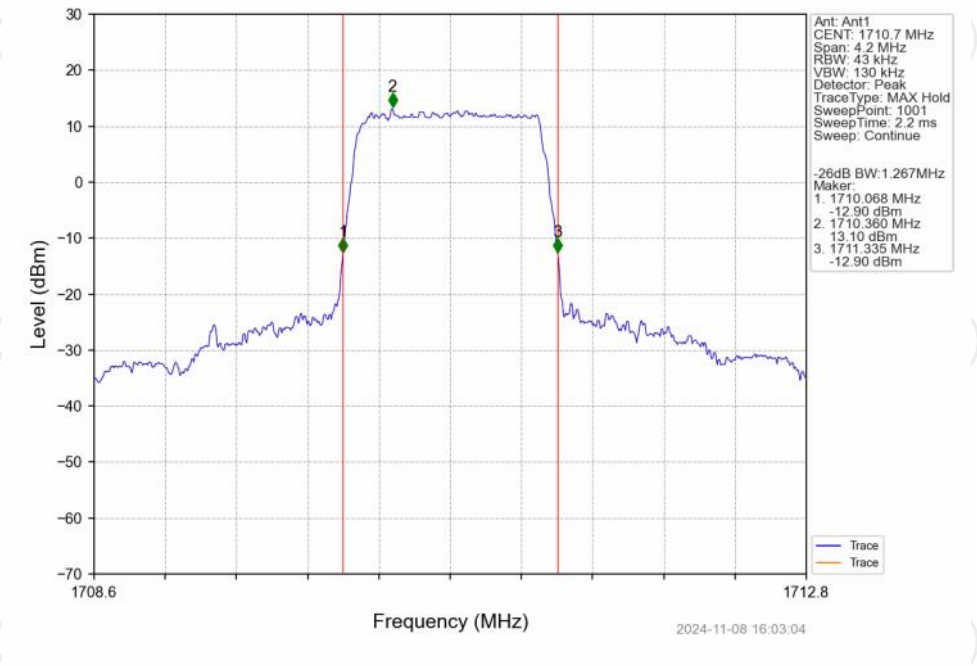
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



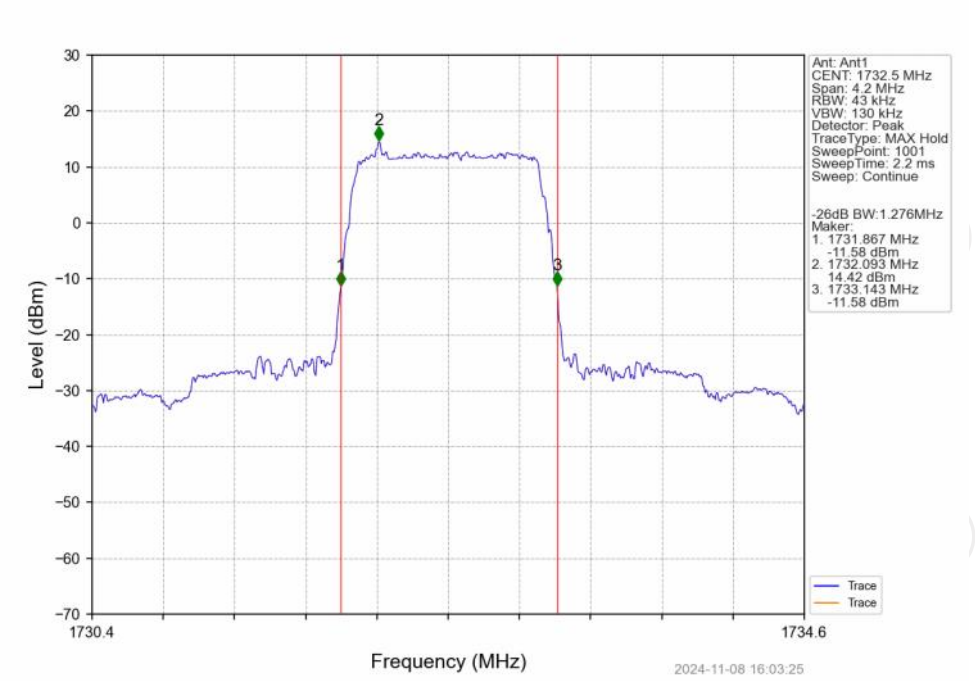
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



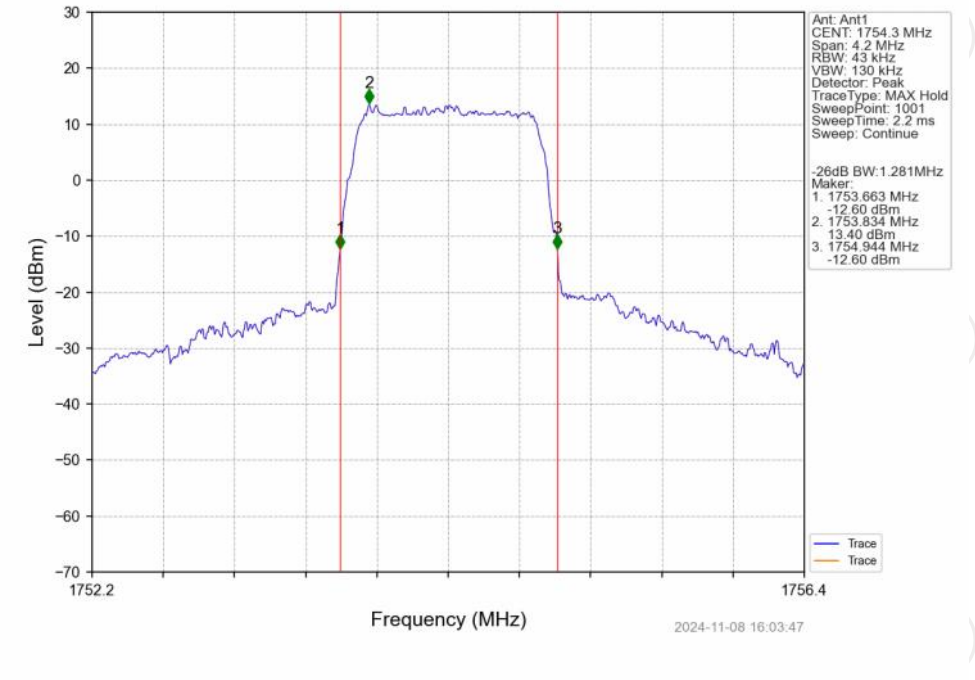
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



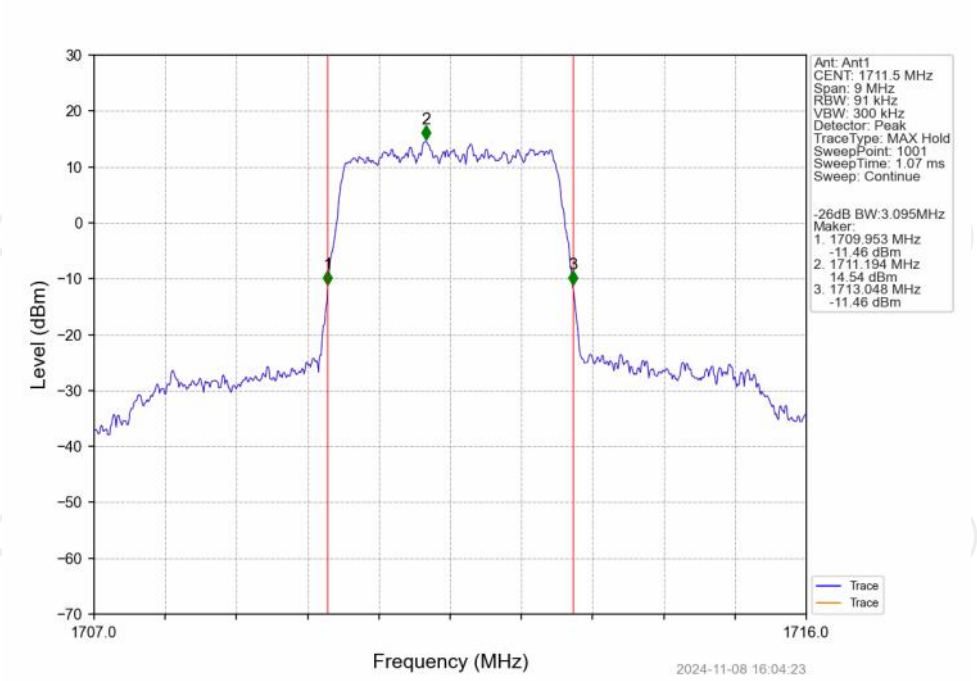
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



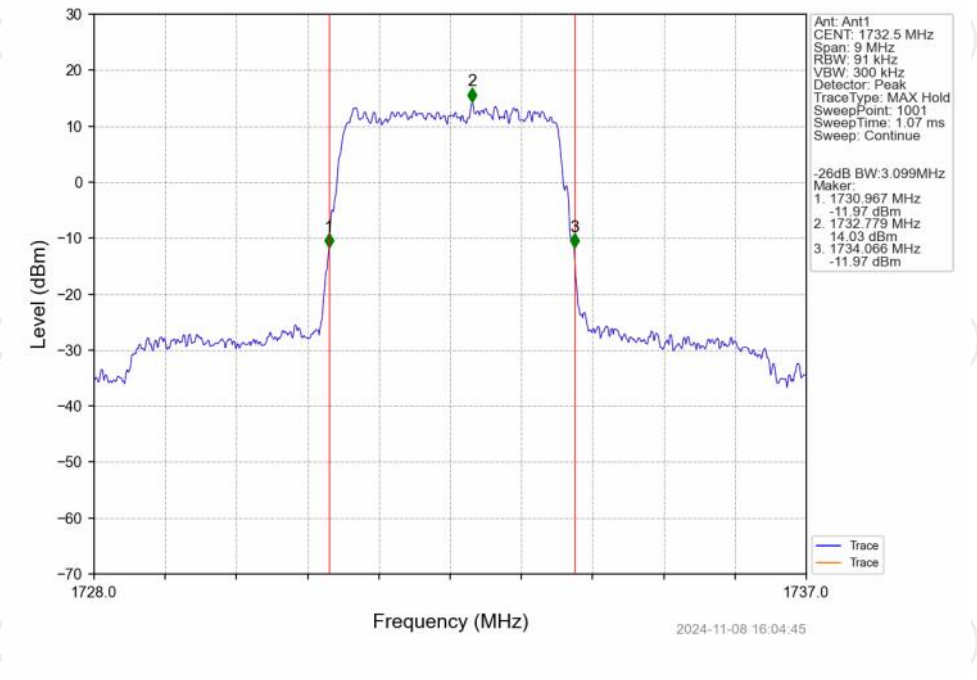
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



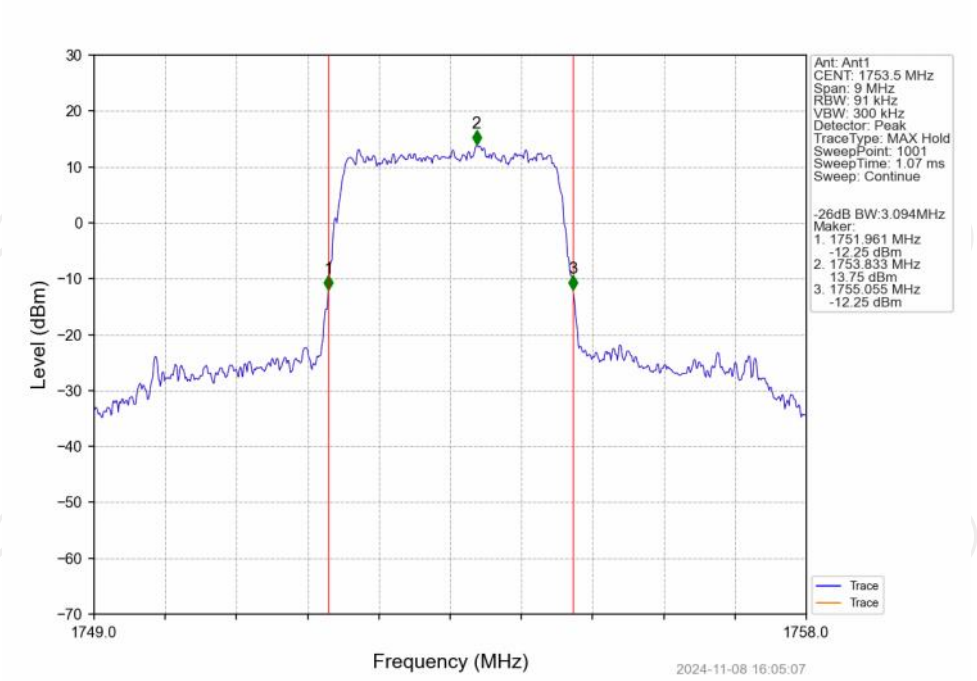
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



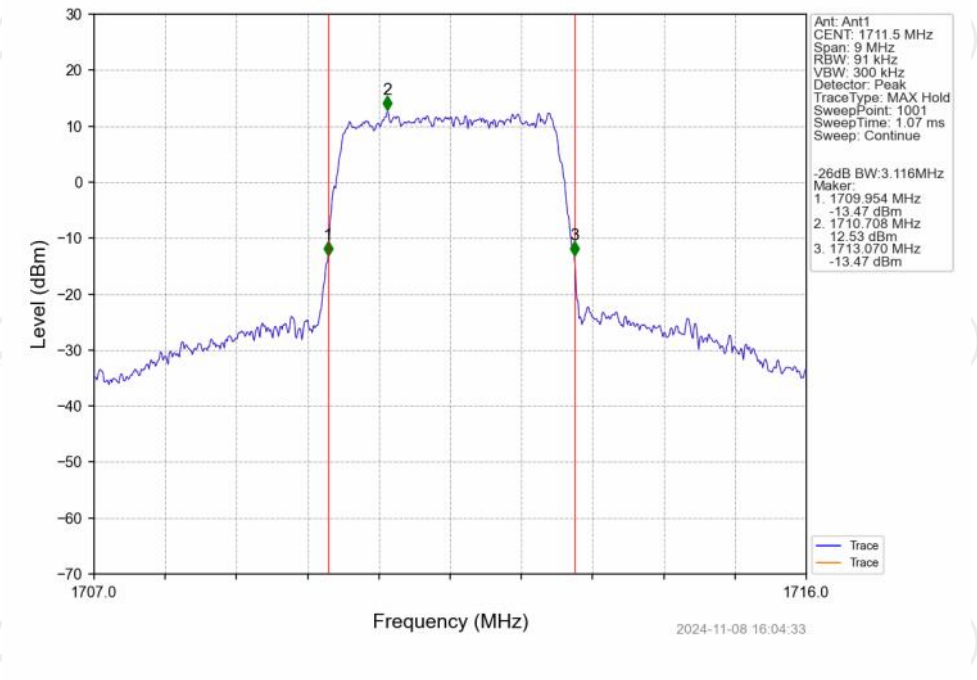
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



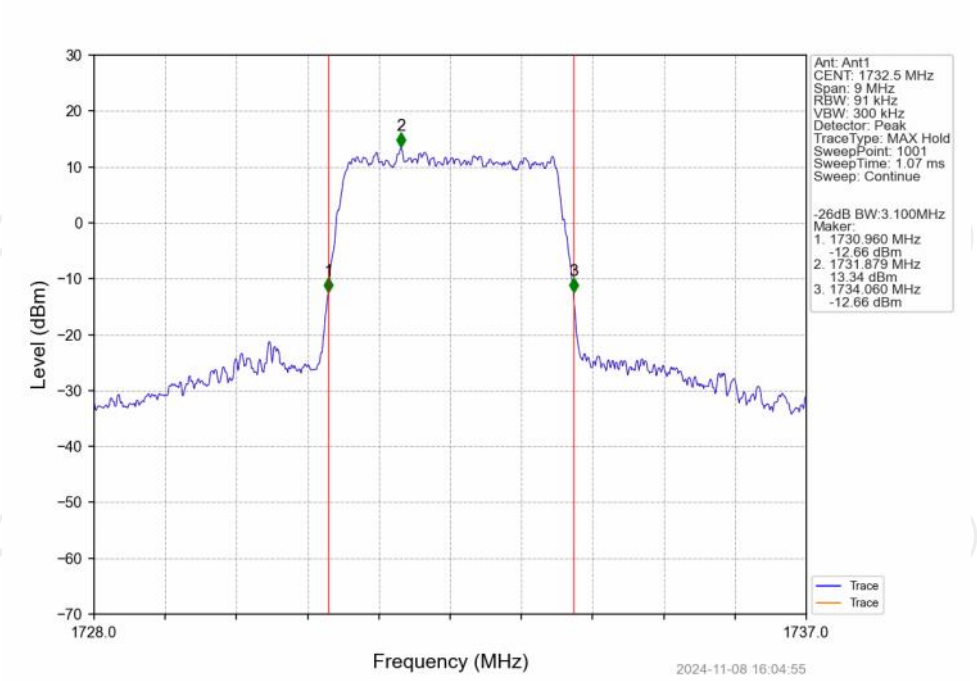
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



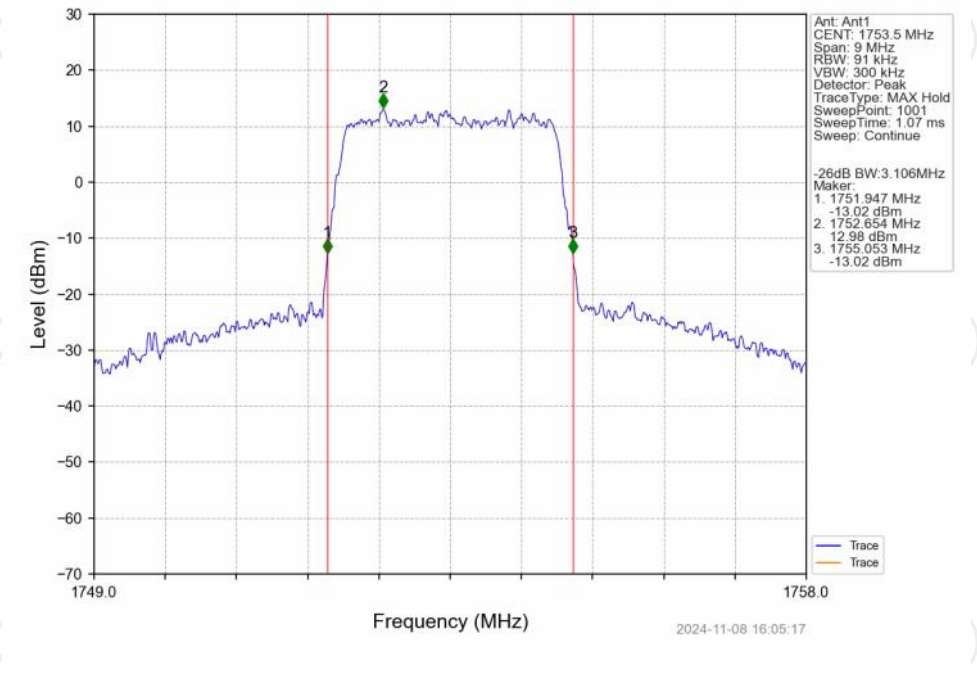
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



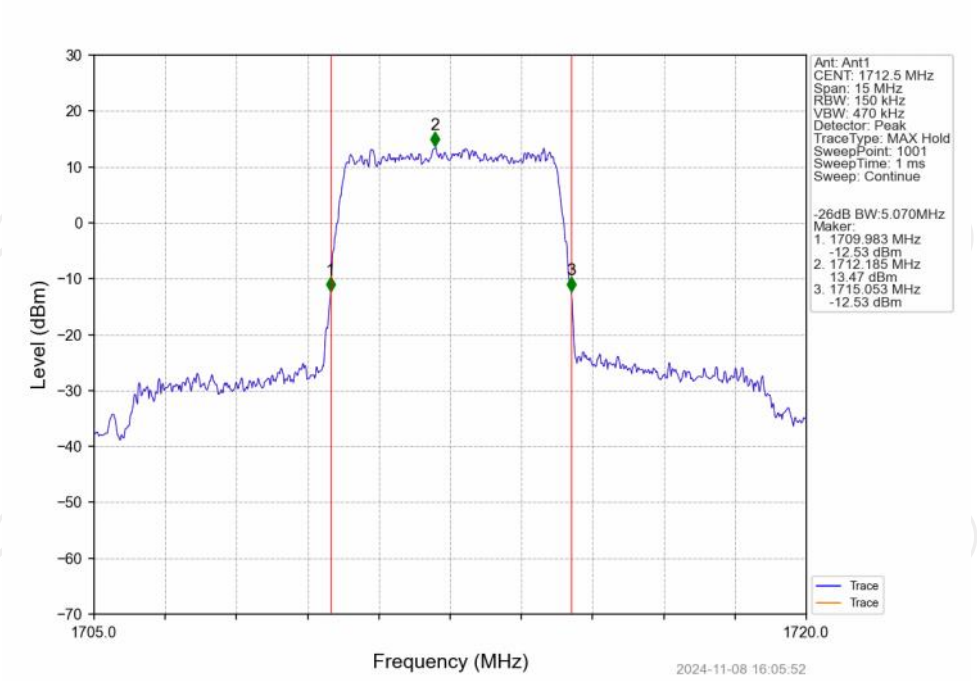
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



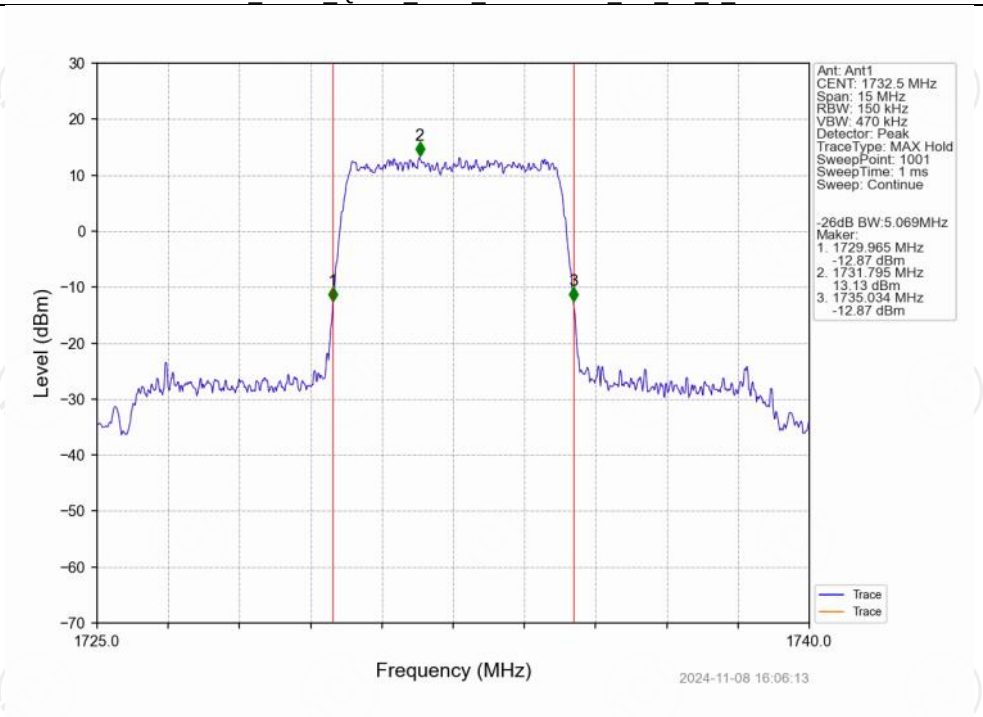
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



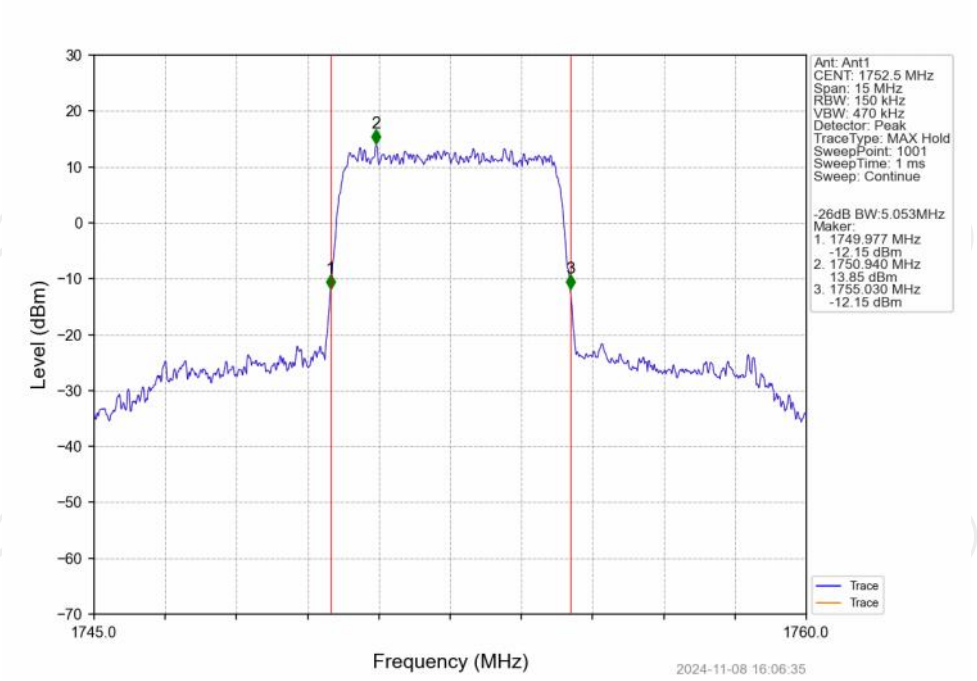
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



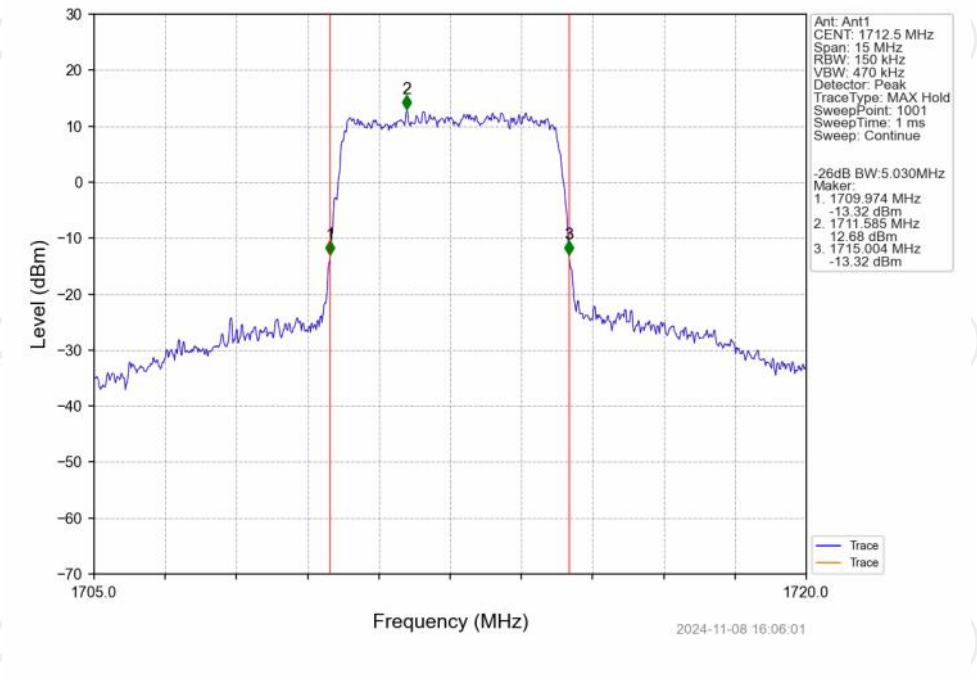
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



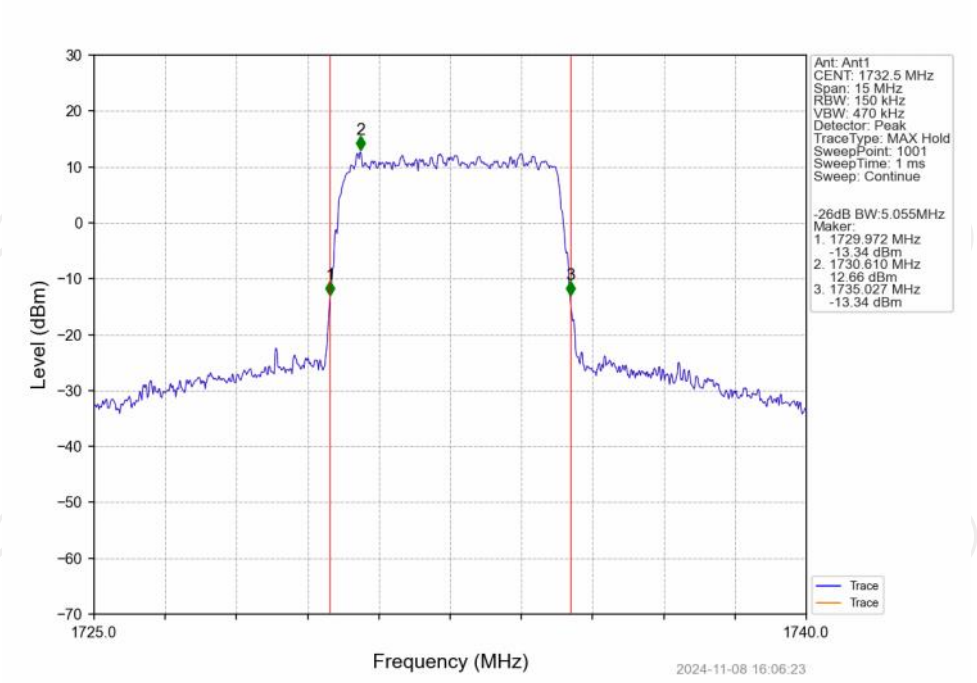
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



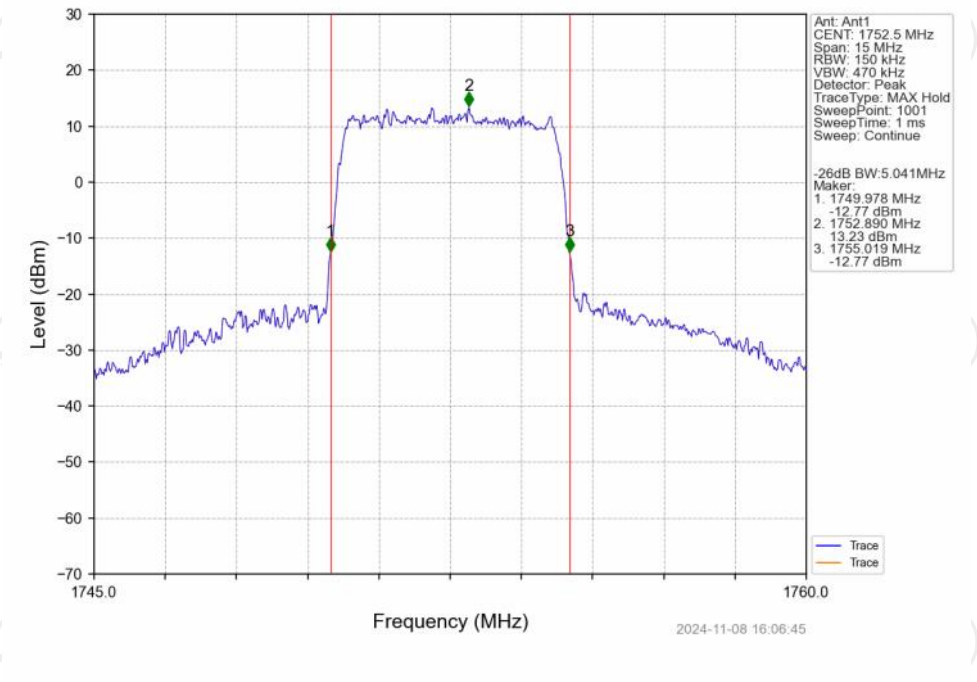
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



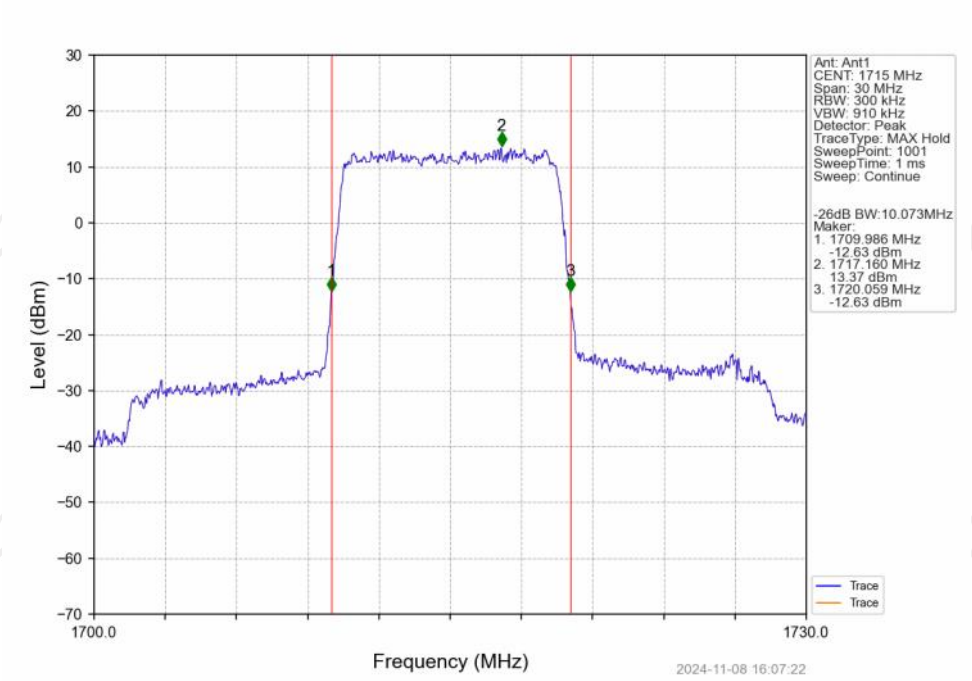
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



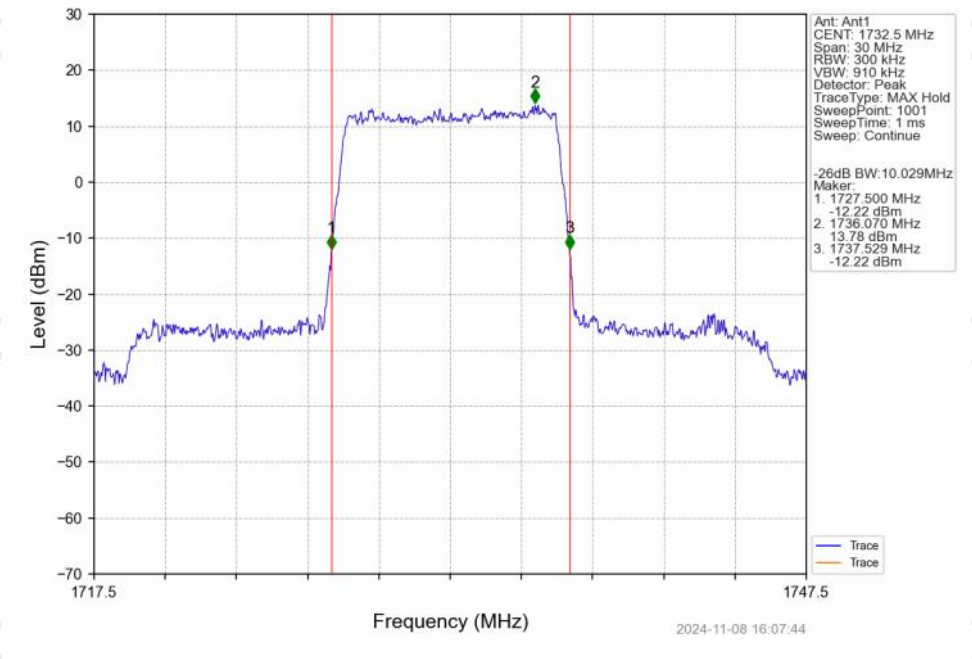
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



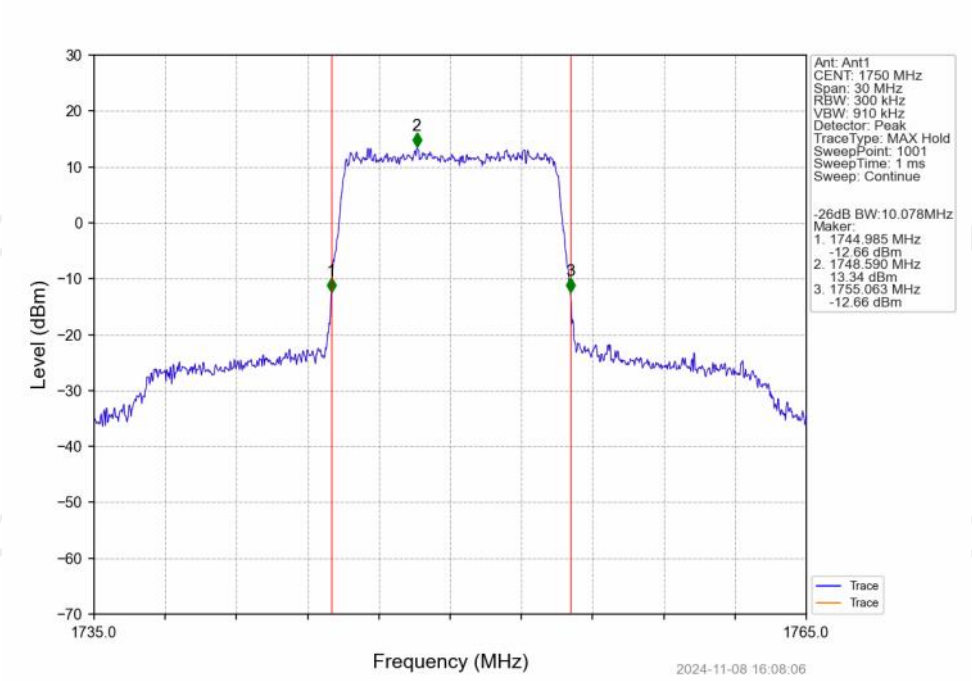
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



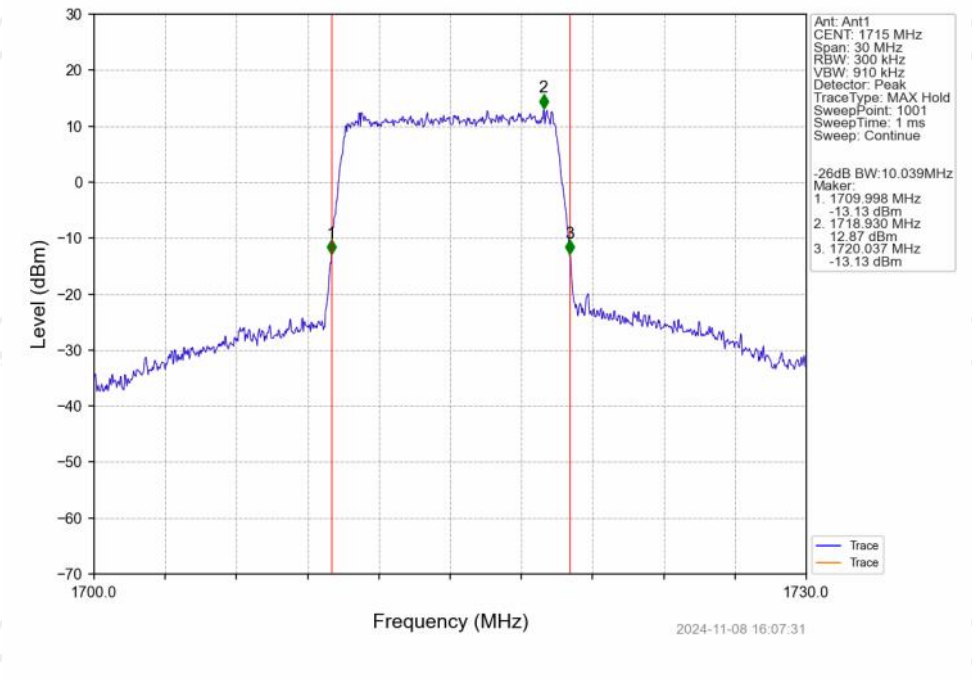
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



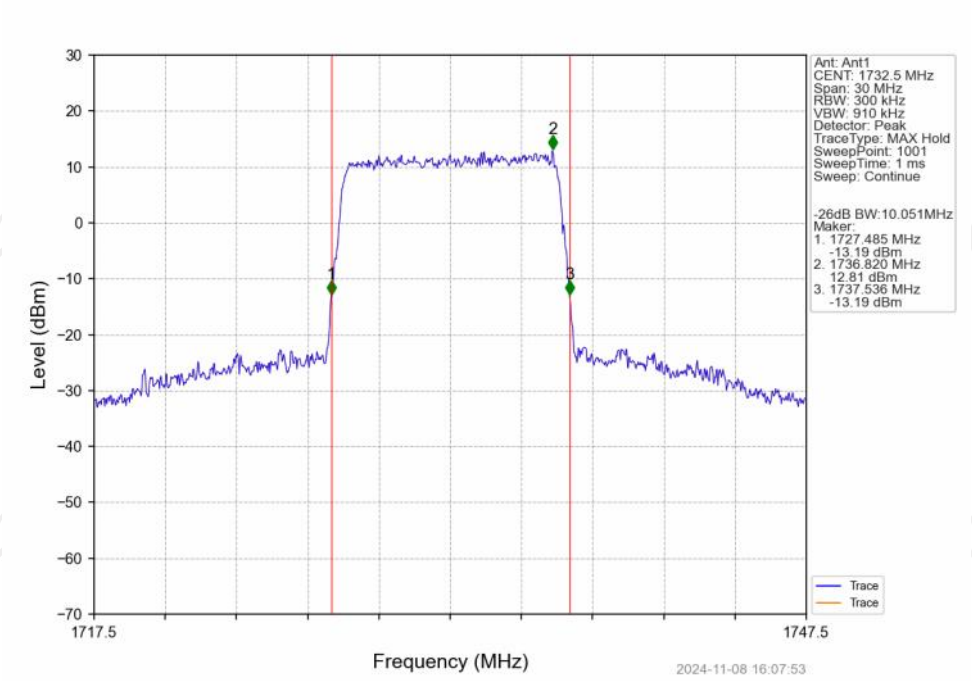
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



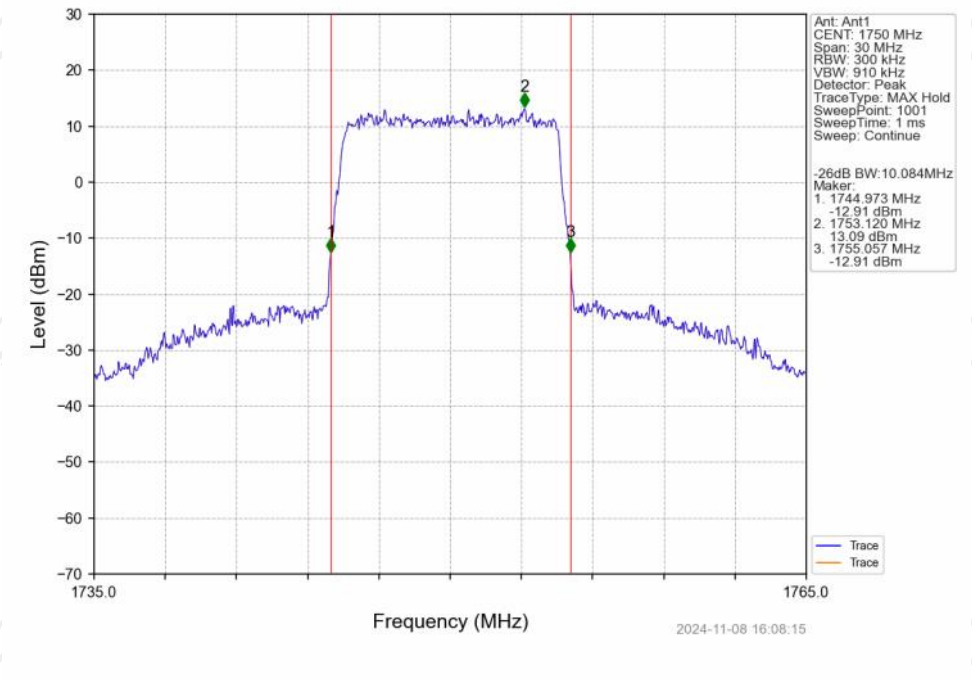
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



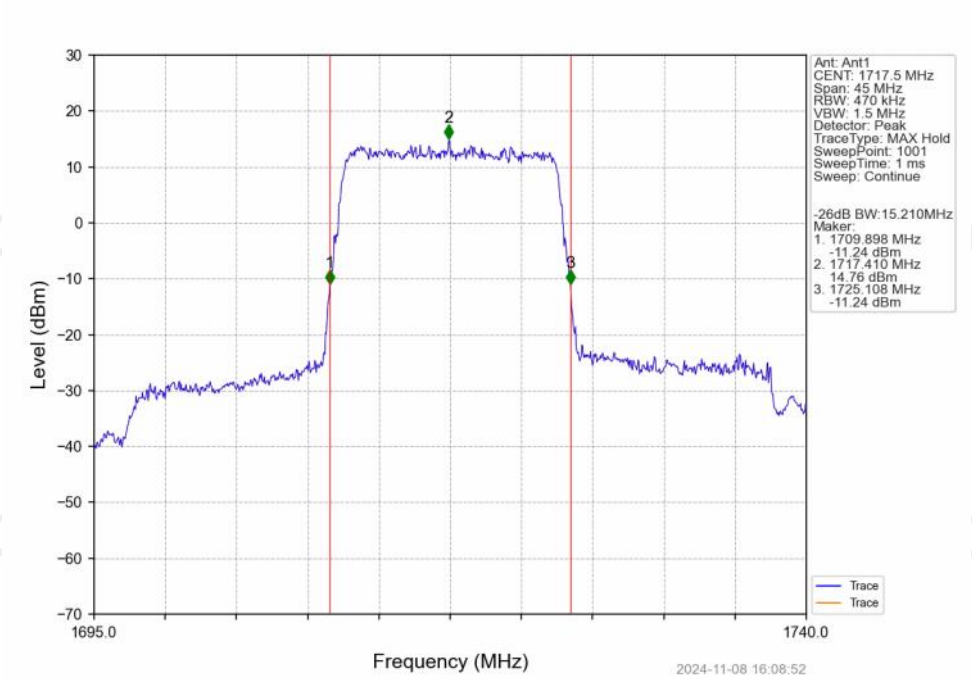
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



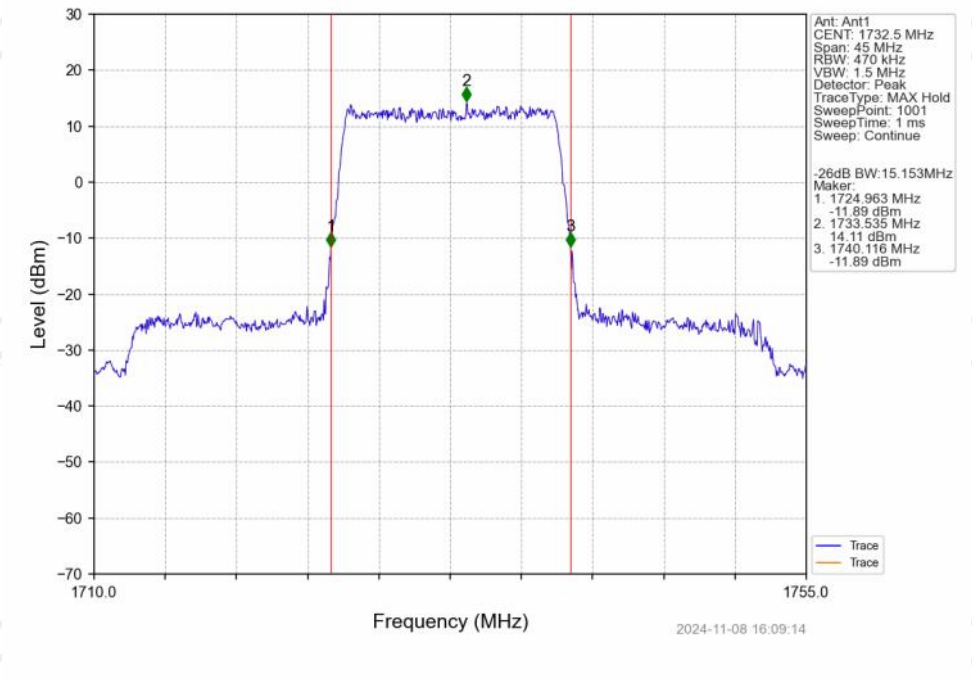
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



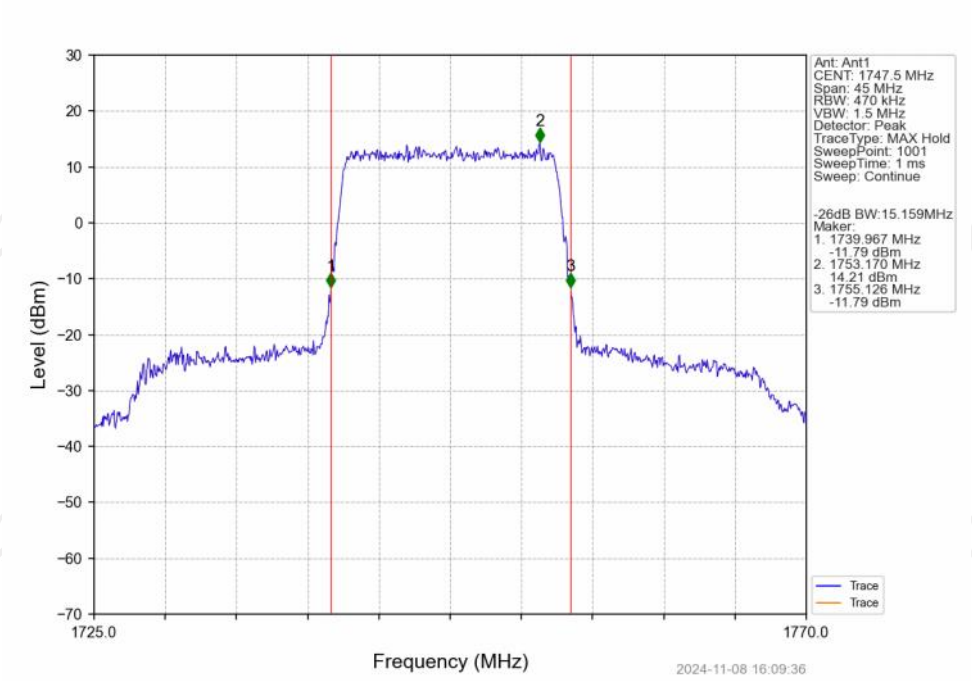
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



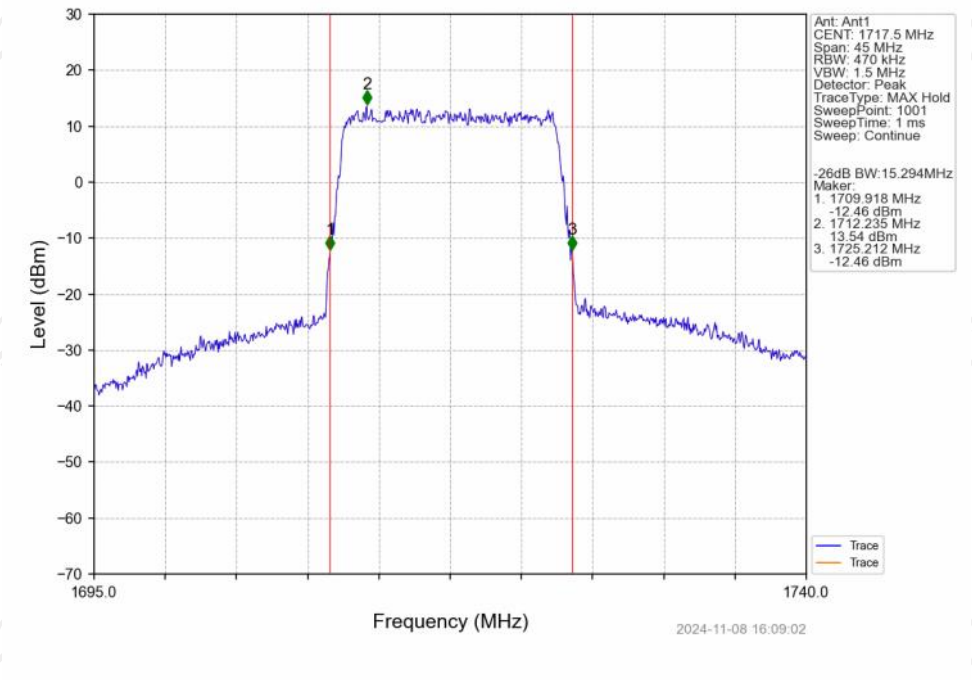
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



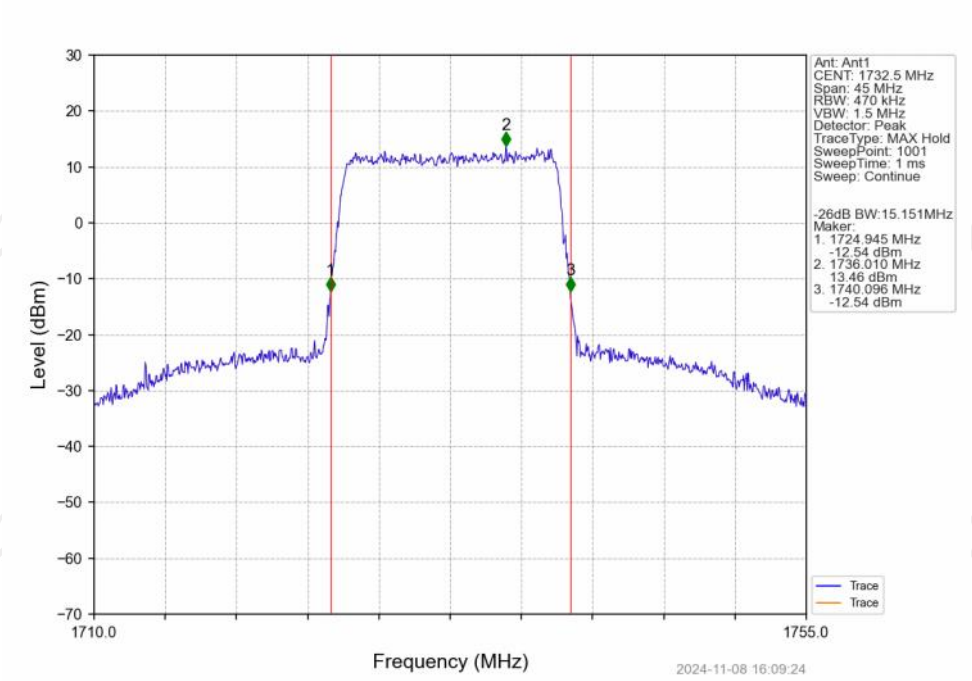
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



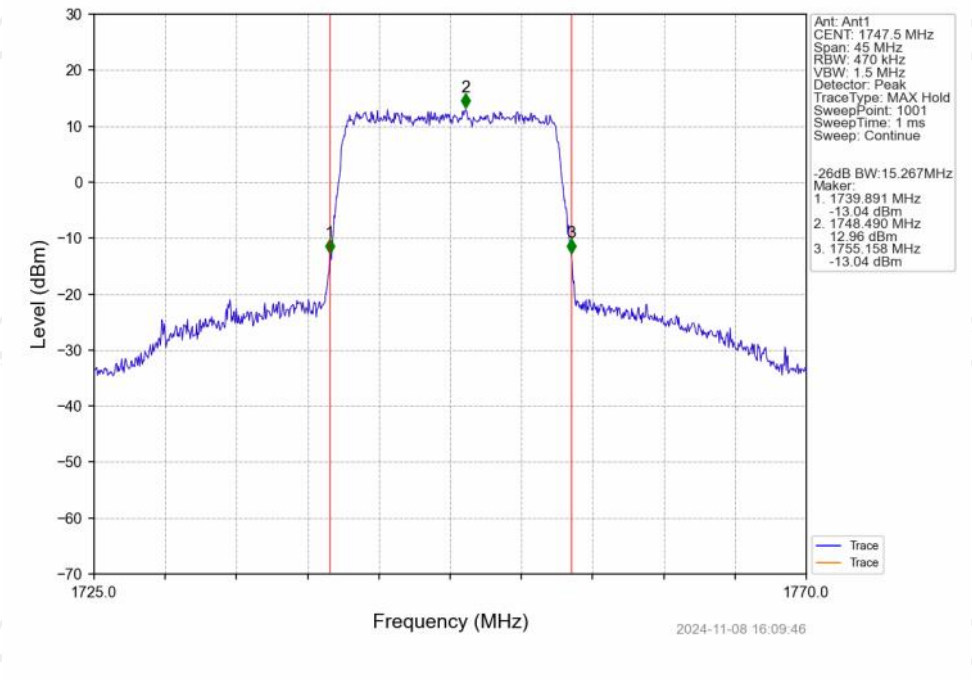
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



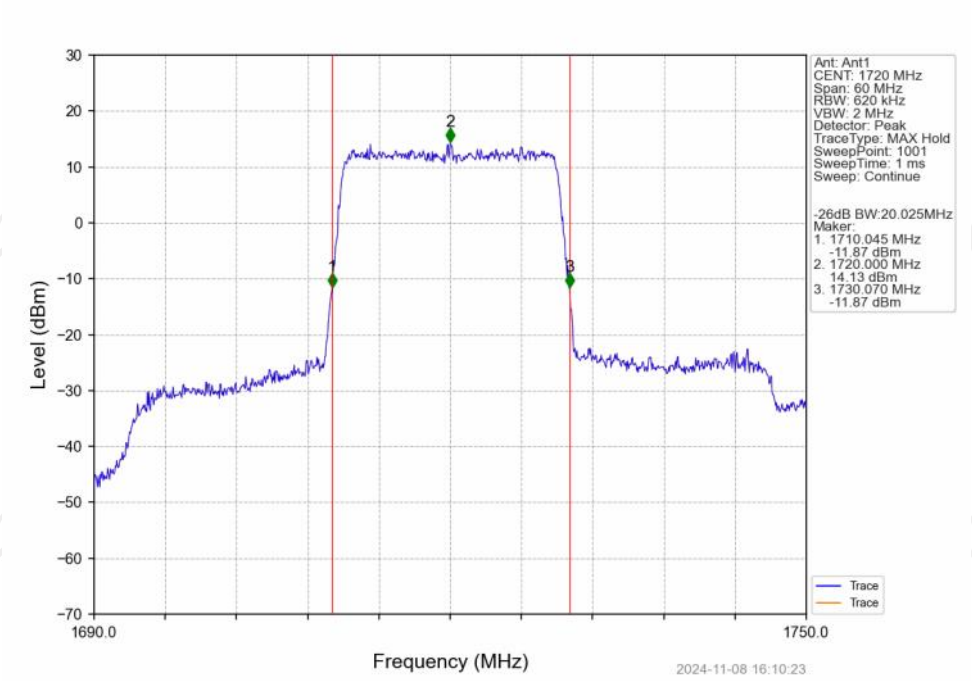
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



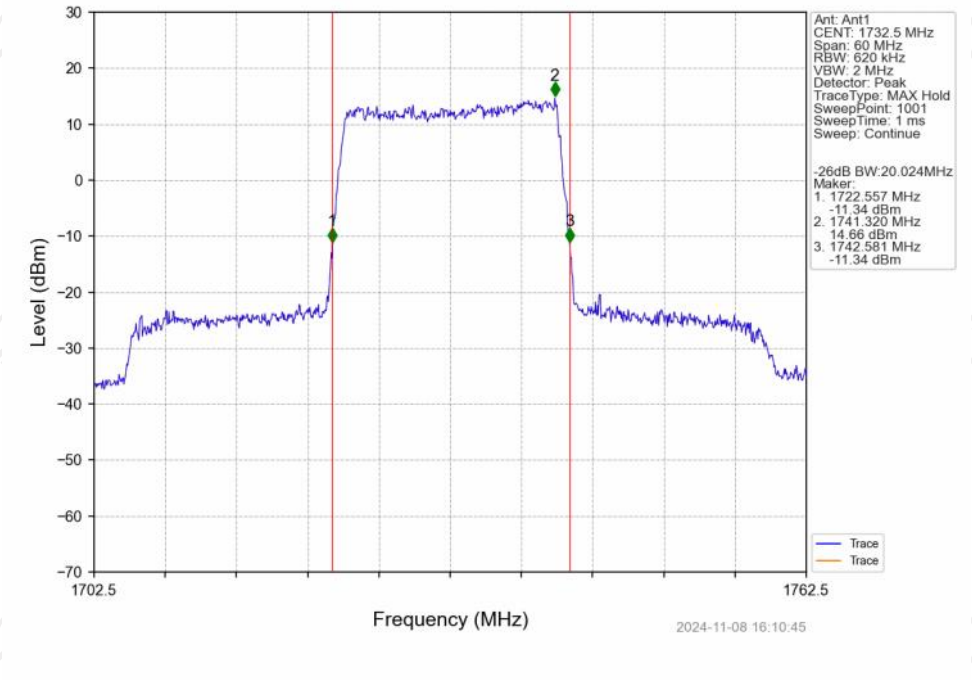
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



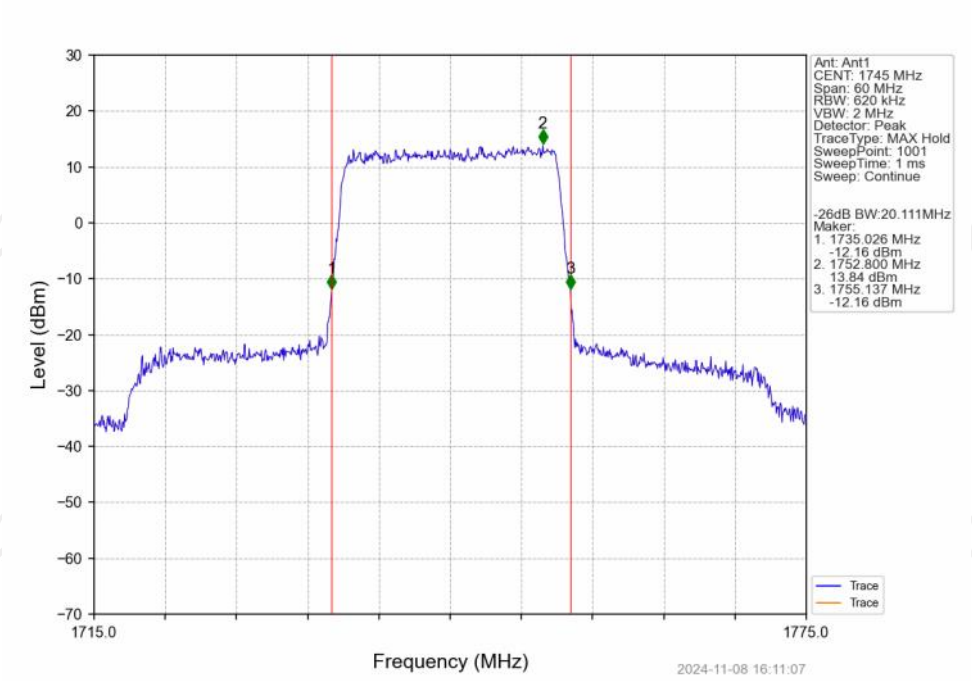
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



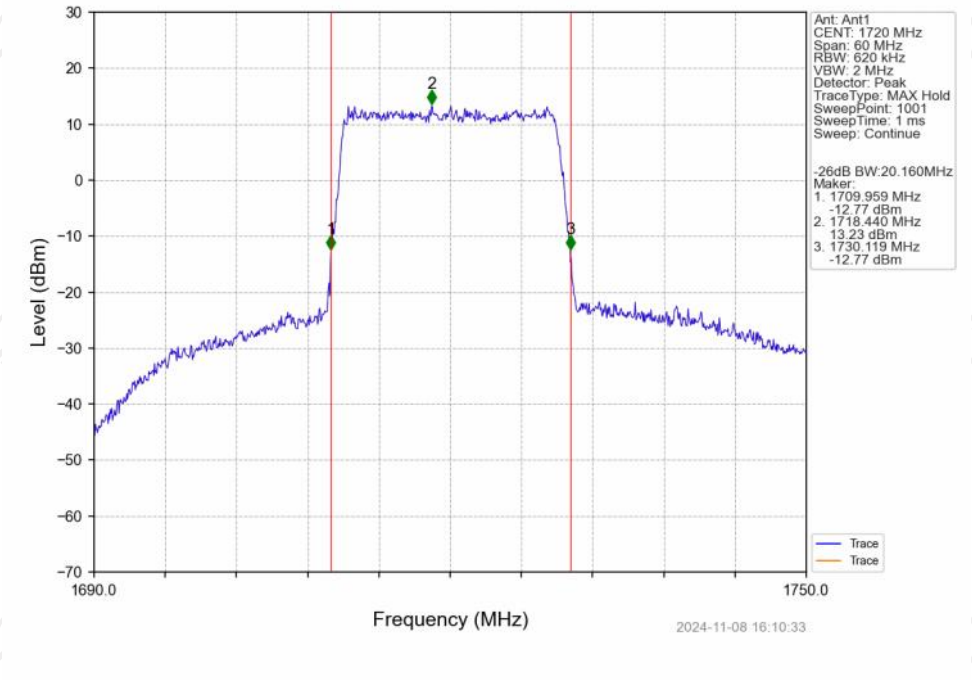
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



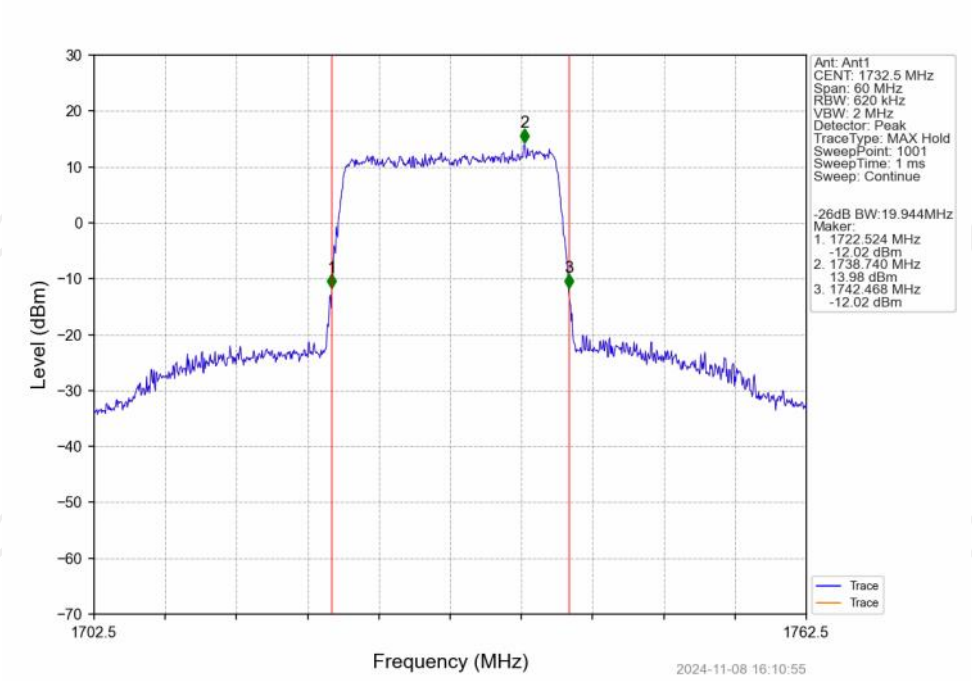
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



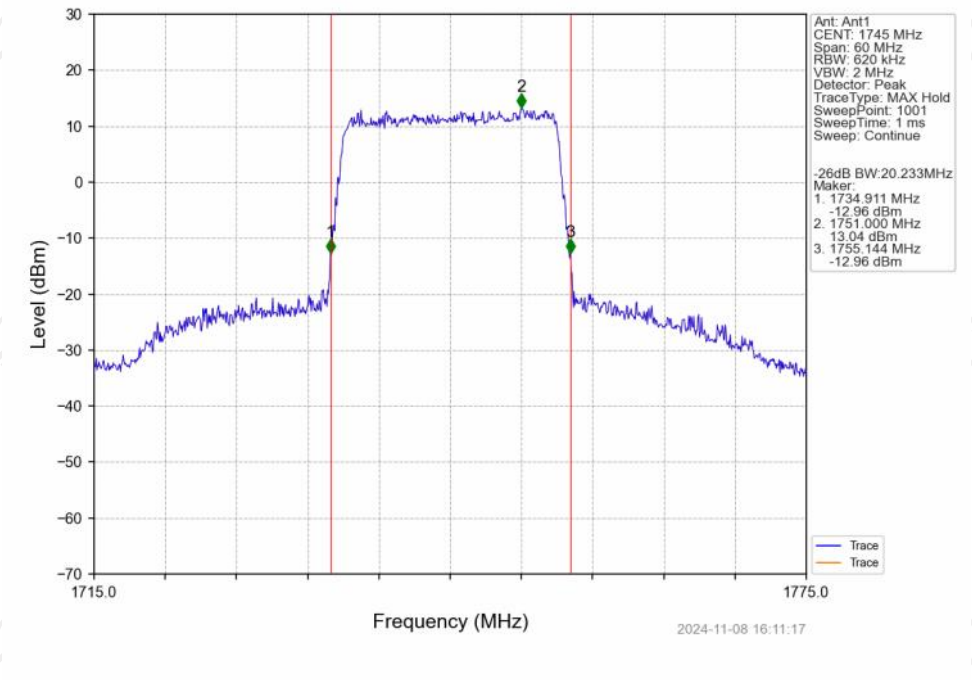
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



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	5.52	<=13	Pass
	1732.5	6	0	5.50	<=13	Pass
	1754.3	6	0	5.29	<=13	Pass
16QAM	1710.7	6	0	6.20	<=13	Pass
	1732.5	6	0	6.30	<=13	Pass
	1754.3	6	0	5.95	<=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	5.57	<=13	Pass
	1732.5	15	0	5.53	<=13	Pass
	1753.5	15	0	5.28	<=13	Pass
16QAM	1711.5	15	0	6.34	<=13	Pass
	1732.5	15	0	6.33	<=13	Pass
	1753.5	15	0	6.05	<=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	5.63	<=13	Pass
	1732.5	25	0	5.63	<=13	Pass
	1752.5	25	0	5.37	<=13	Pass
16QAM	1712.5	25	0	6.40	<=13	Pass
	1732.5	25	0	6.32	<=13	Pass
	1752.5	25	0	6.04	<=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	5.70	<=13	Pass
	1732.5	50	0	5.65	<=13	Pass
	1750	50	0	5.33	<=13	Pass
16QAM	1715	50	0	6.45	<=13	Pass
	1732.5	50	0	6.42	<=13	Pass

	1750	50	0	6.00	<=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	6.01	<=13	Pass
	1732.5	75	0	5.91	<=13	Pass
	1747.5	75	0	5.43	<=13	Pass
16QAM	1717.5	75	0	6.49	<=13	Pass
	1732.5	75	0	6.38	<=13	Pass
	1747.5	75	0	5.94	<=13	Pass

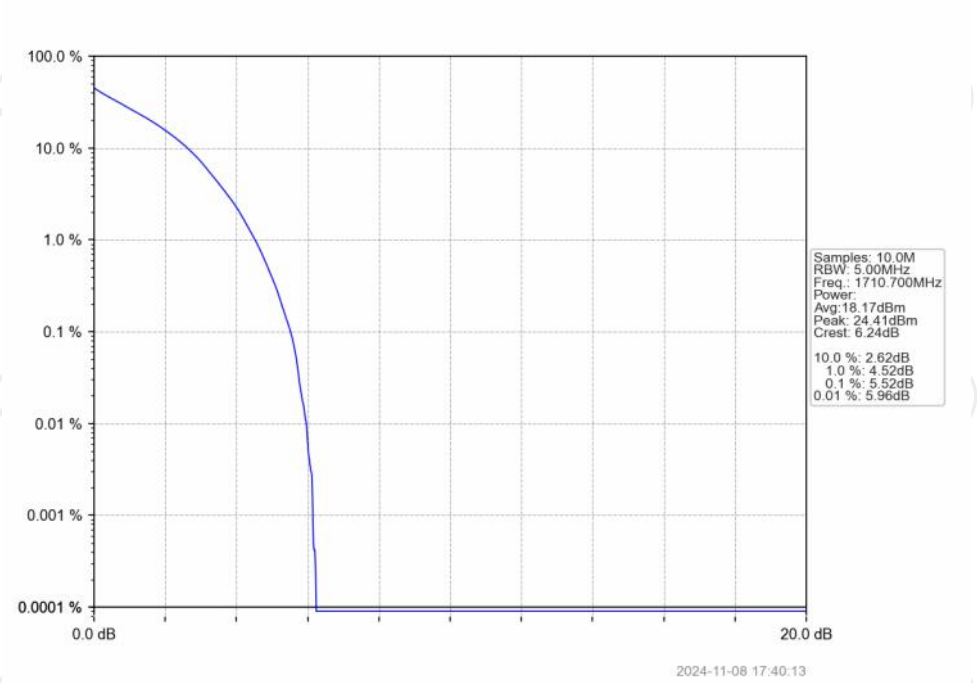
5.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.81	<=13	Pass
	1732.5	100	0	5.70	<=13	Pass
	1745	100	0	5.35	<=13	Pass
16QAM	1720	100	0	6.48	<=13	Pass
	1732.5	100	0	6.39	<=13	Pass
	1745	100	0	6.06	<=13	Pass

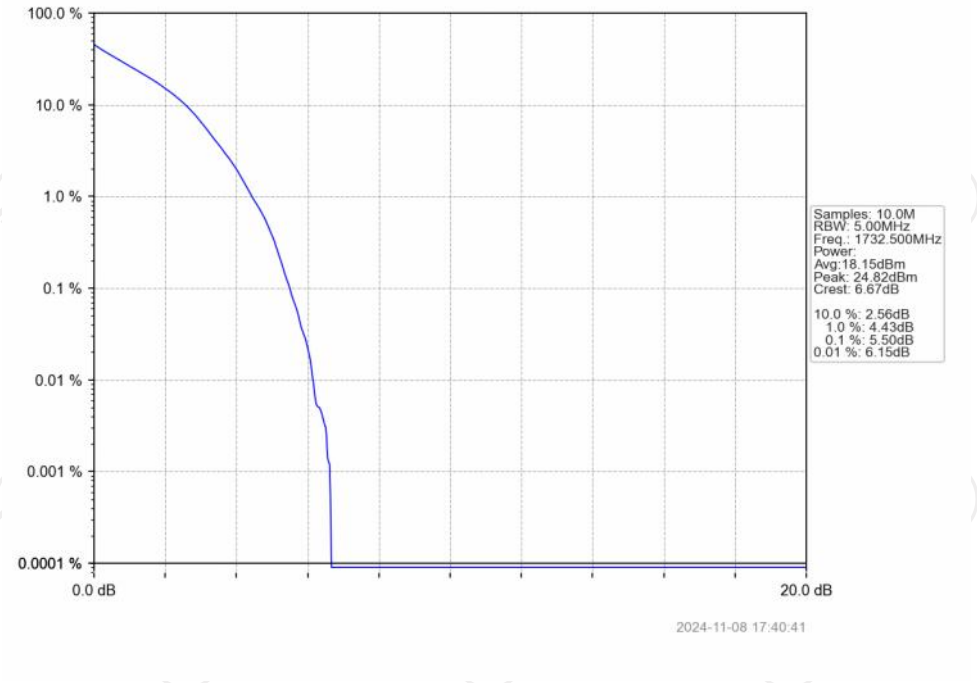
5.2 Test Graph

5.2.1 B4_1.4MHz

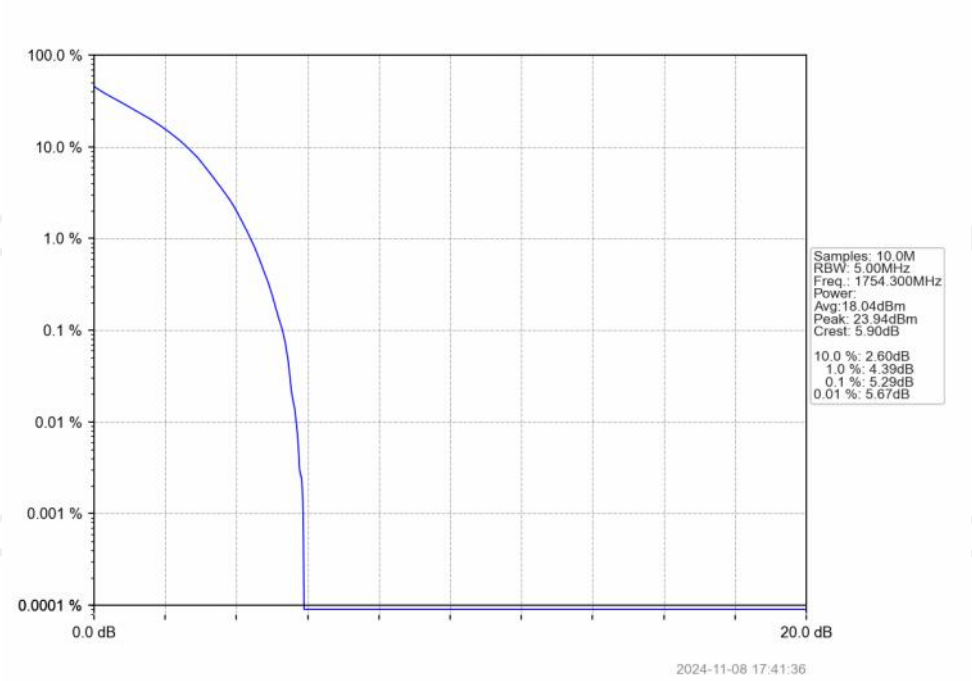
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



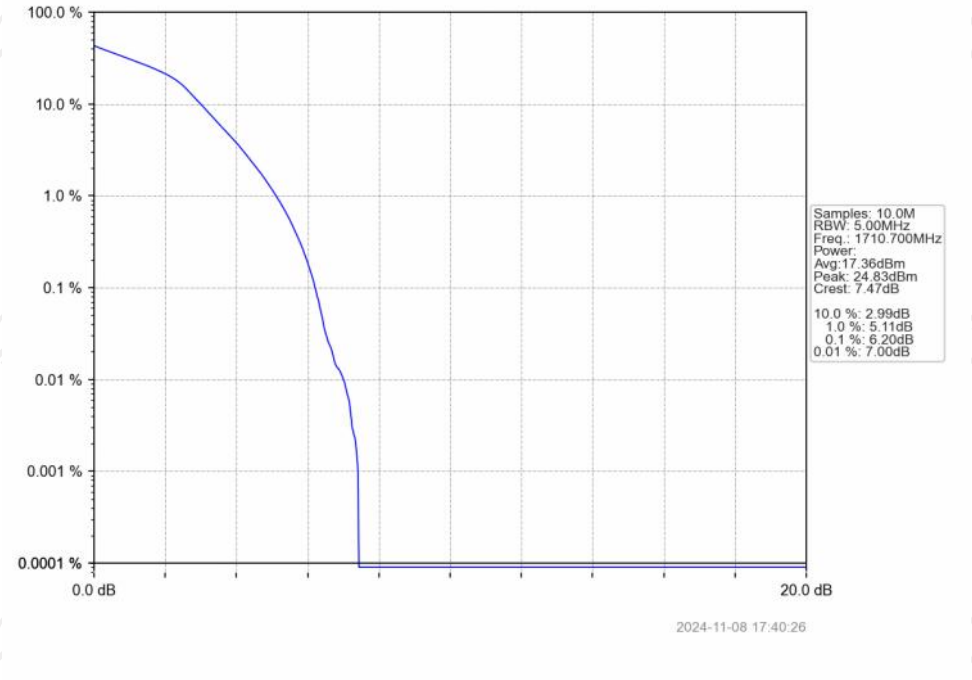
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



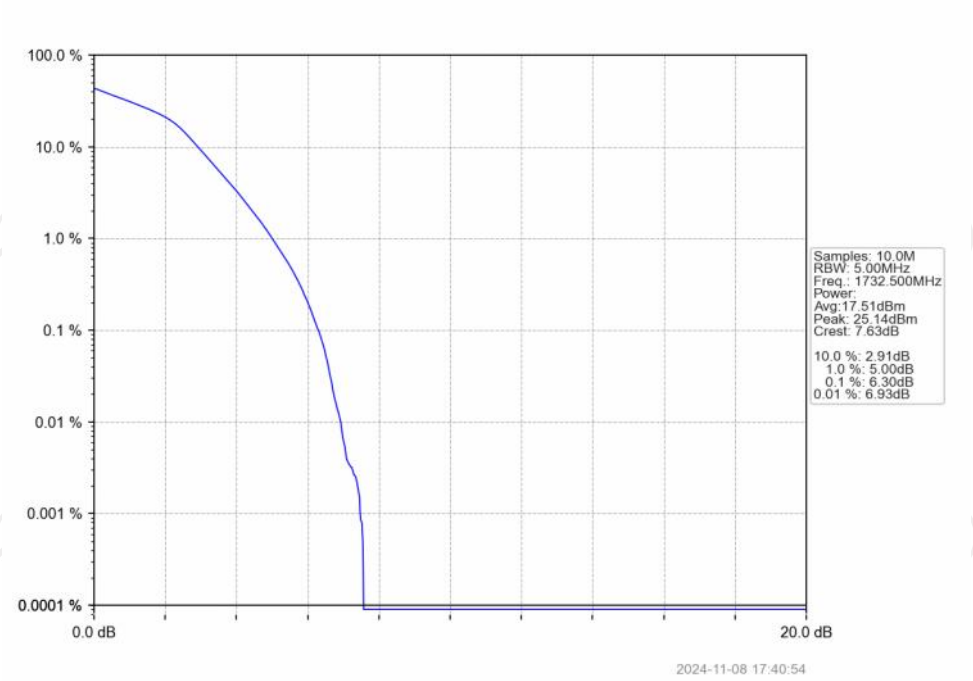
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



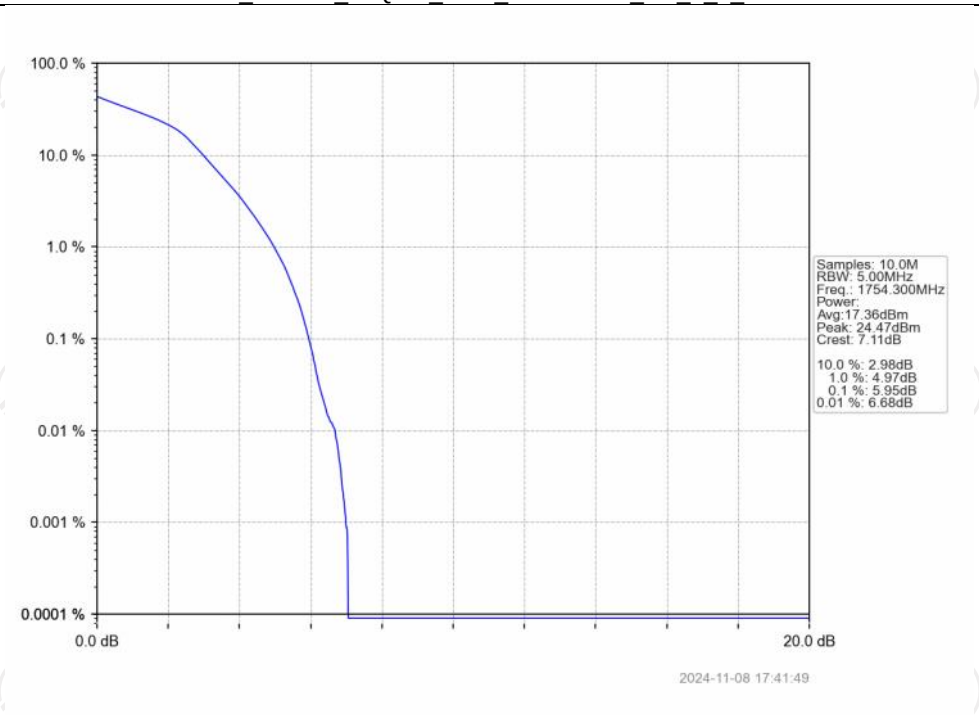
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

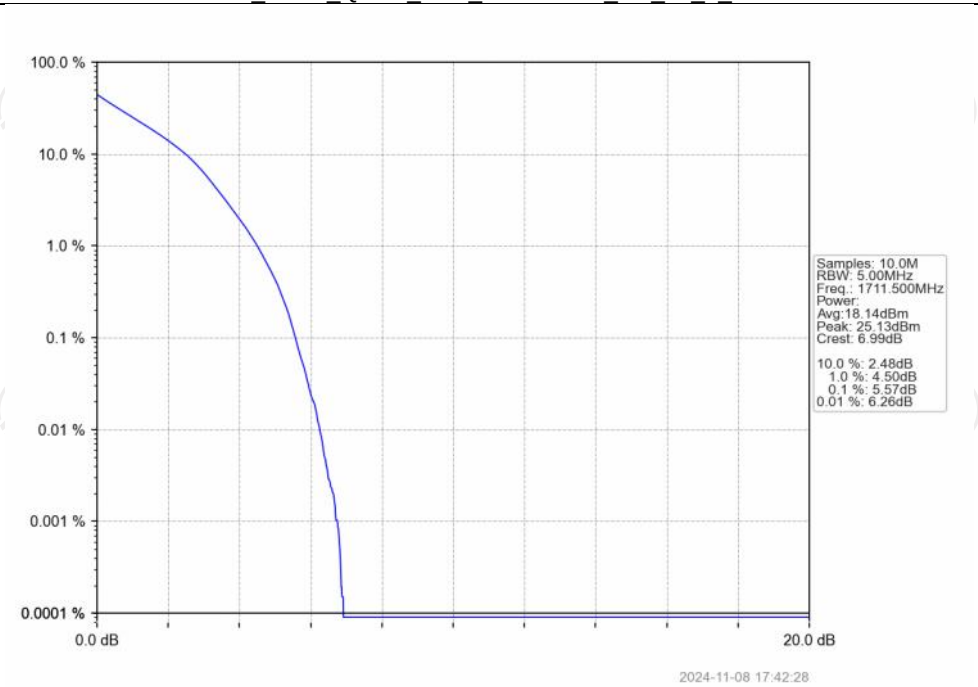


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

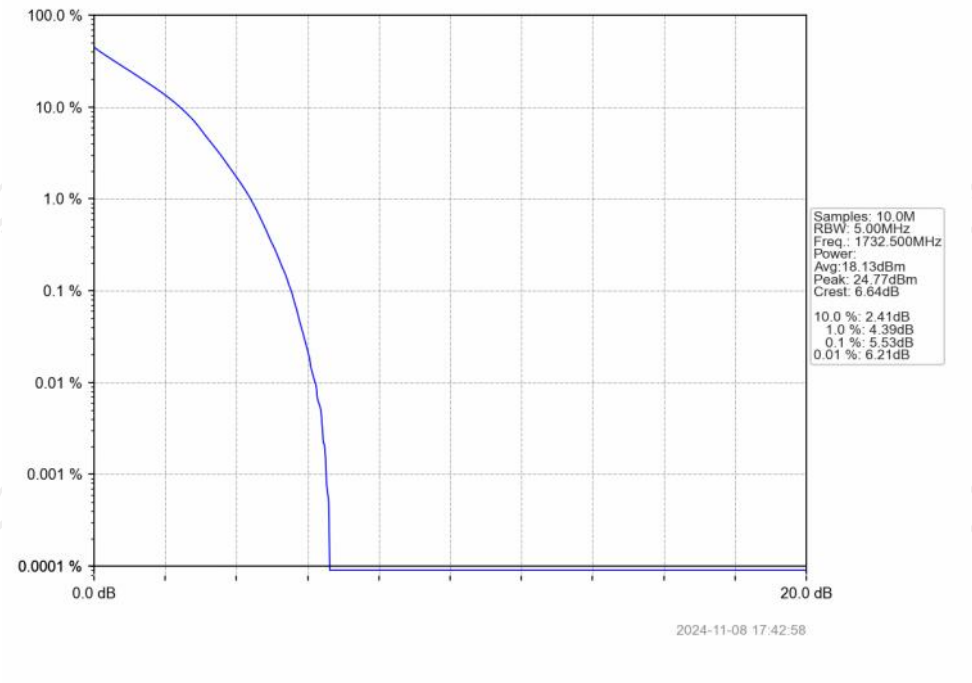


5.2.2 B4_3MHz

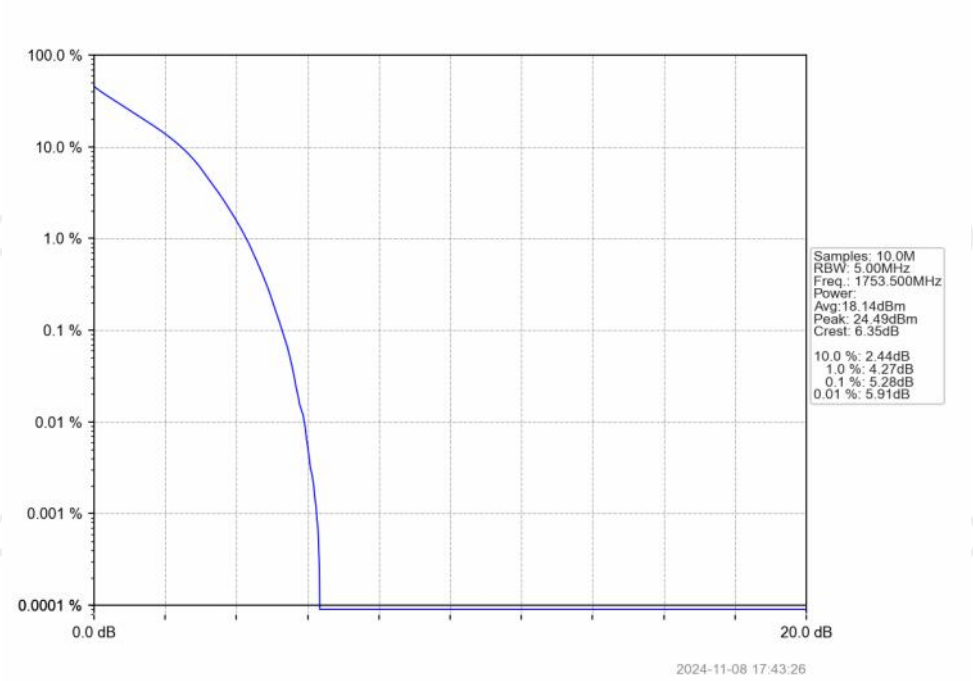
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



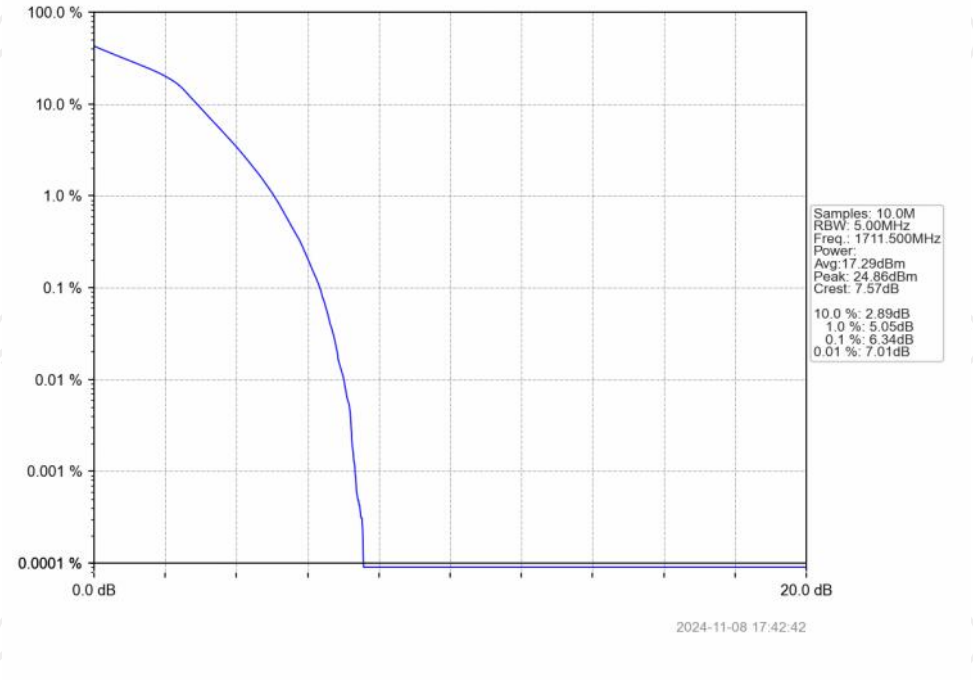
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



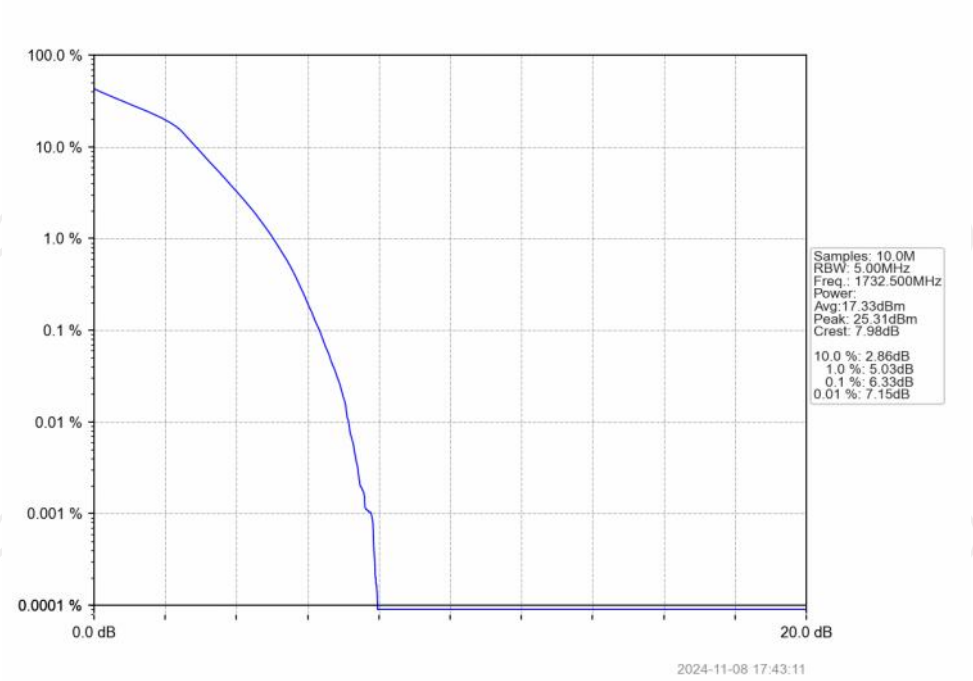
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



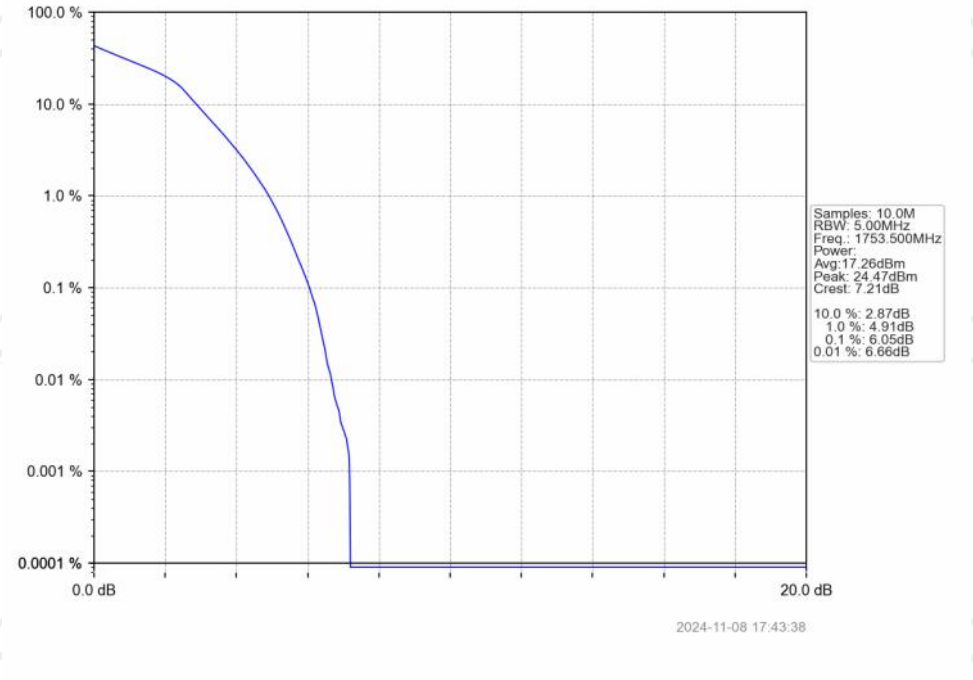
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

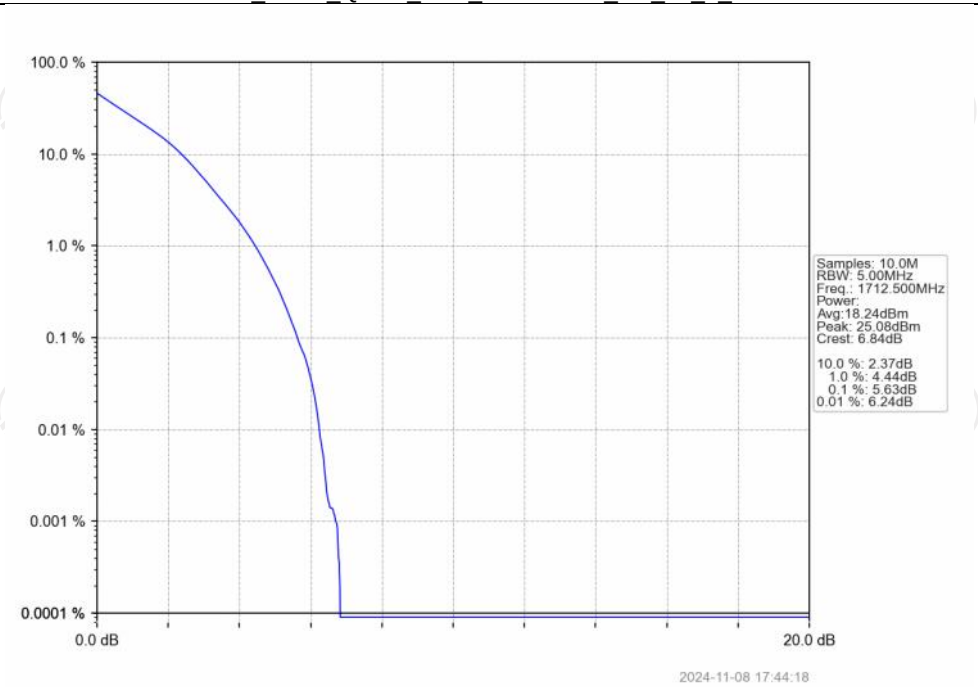


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



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