

1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	19.13	1.18	20.31	<=30	Pass
			2	19.09	1.18	20.27	<=30	Pass
			5	18.93	1.18	20.11	<=30	Pass
		3	0	19.28	1.18	20.46	<=30	Pass
			2	19.31	1.18	20.49	<=30	Pass
			3	19.17	1.18	20.35	<=30	Pass
		6	0	18.30	1.18	19.48	<=30	Pass
	1732.5	1	0	20.57	1.18	21.75	<=30	Pass
			2	20.45	1.18	21.63	<=30	Pass
			5	20.61	1.18	21.79	<=30	Pass
		3	0	20.60	1.18	21.78	<=30	Pass
			2	20.60	1.18	21.78	<=30	Pass
			3	20.58	1.18	21.76	<=30	Pass
		6	0	19.54	1.18	20.72	<=30	Pass
	1754.3	1	0	20.00	1.18	21.18	<=30	Pass
			2	19.86	1.18	21.04	<=30	Pass
			5	19.72	1.18	20.90	<=30	Pass
		3	0	19.93	1.18	21.11	<=30	Pass
			2	19.77	1.18	20.95	<=30	Pass
			3	19.69	1.18	20.87	<=30	Pass
		6	0	18.84	1.18	20.02	<=30	Pass
16QAM	1710.7	1	0	18.21	1.18	19.39	<=30	Pass
			2	18.33	1.18	19.51	<=30	Pass
			5	18.11	1.18	19.29	<=30	Pass
		3	0	18.27	1.18	19.45	<=30	Pass
			2	18.13	1.18	19.31	<=30	Pass
			3	18.14	1.18	19.32	<=30	Pass
		6	0	17.13	1.18	18.31	<=30	Pass
	1732.5	1	0	19.29	1.18	20.47	<=30	Pass
			2	19.44	1.18	20.62	<=30	Pass
			5	19.41	1.18	20.59	<=30	Pass
		3	0	19.60	1.18	20.78	<=30	Pass
			2	19.75	1.18	20.93	<=30	Pass
			3	19.83	1.18	21.01	<=30	Pass
		6	0	18.53	1.18	19.71	<=30	Pass
	1754.3	1	0	18.94	1.18	20.12	<=30	Pass
			2	18.98	1.18	20.16	<=30	Pass
			5	18.78	1.18	19.96	<=30	Pass
		3	0	19.00	1.18	20.18	<=30	Pass
			2	18.99	1.18	20.17	<=30	Pass
			3	18.92	1.18	20.10	<=30	Pass
		6	0	17.79	1.18	18.97	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B4_3MHz_EIRP

1.2.1 Test Result

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	19.31	1.18	20.49	<=30	Pass
			7	19.18	1.18	20.36	<=30	Pass
			14	18.92	1.18	20.10	<=30	Pass
		8	0	18.31	1.18	19.49	<=30	Pass
			4	18.25	1.18	19.43	<=30	Pass
			7	18.16	1.18	19.34	<=30	Pass
		15	0	18.30	1.18	19.48	<=30	Pass
	1732.5	1	0	20.43	1.18	21.61	<=30	Pass
			7	20.67	1.18	21.85	<=30	Pass
			14	20.64	1.18	21.82	<=30	Pass
		8	0	19.45	1.18	20.63	<=30	Pass
			4	19.53	1.18	20.71	<=30	Pass
			7	19.69	1.18	20.87	<=30	Pass
		15	0	19.48	1.18	20.66	<=30	Pass
	1753.5	1	0	19.89	1.18	21.07	<=30	Pass
			7	19.87	1.18	21.05	<=30	Pass
			14	19.62	1.18	20.80	<=30	Pass
		8	0	18.82	1.18	20.00	<=30	Pass
			4	18.74	1.18	19.92	<=30	Pass
			7	18.72	1.18	19.90	<=30	Pass
		15	0	18.81	1.18	19.99	<=30	Pass
16QAM	1711.5	1	0	18.29	1.18	19.47	<=30	Pass
			7	17.91	1.18	19.09	<=30	Pass
			14	17.84	1.18	19.02	<=30	Pass
		8	0	17.33	1.18	18.51	<=30	Pass
			4	17.20	1.18	18.38	<=30	Pass
			7	17.09	1.18	18.27	<=30	Pass
		15	0	17.15	1.18	18.33	<=30	Pass
	1732.5	1	0	19.79	1.18	20.97	<=30	Pass
			7	19.88	1.18	21.06	<=30	Pass
			14	19.86	1.18	21.04	<=30	Pass
		8	0	18.28	1.18	19.46	<=30	Pass
			4	18.51	1.18	19.69	<=30	Pass
			7	18.57	1.18	19.75	<=30	Pass
		15	0	18.46	1.18	19.64	<=30	Pass
	1753.5	1	0	19.63	1.18	20.81	<=30	Pass
			7	19.14	1.18	20.32	<=30	Pass
			14	19.33	1.18	20.51	<=30	Pass
		8	0	18.04	1.18	19.22	<=30	Pass
			4	17.99	1.18	19.17	<=30	Pass
			7	17.98	1.18	19.16	<=30	Pass
		15	0	17.85	1.18	19.03	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B4_5MHz_EIRP

1.3.1 Test Result

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	19.27	1.18	20.45	<=30	Pass

			13	18.97	1.18	20.15	<=30	Pass	
			24	18.73	1.18	19.91	<=30	Pass	
		12	0	18.19	1.18	19.37	<=30	Pass	
			6	18.08	1.18	19.26	<=30	Pass	
			13	17.94	1.18	19.12	<=30	Pass	
			25	0	18.08	1.18	19.26	<=30	Pass
			1732.5	1	0	20.23	1.18	21.41	<=30
		13			20.65	1.18	21.83	<=30	Pass
		24			20.85	1.18	22.03	<=30	Pass
		12		0	19.29	1.18	20.47	<=30	Pass
				6	19.40	1.18	20.58	<=30	Pass
				13	19.56	1.18	20.74	<=30	Pass
	25	0		19.40	1.18	20.58	<=30	Pass	
	1752.5	1	0	19.99	1.18	21.17	<=30	Pass	
			13	19.63	1.18	20.81	<=30	Pass	
			24	19.53	1.18	20.71	<=30	Pass	
		12	0	19.14	1.18	20.32	<=30	Pass	
			6	18.96	1.18	20.14	<=30	Pass	
			13	18.78	1.18	19.96	<=30	Pass	
		25	0	18.95	1.18	20.13	<=30	Pass	

16QAM	1712.5	1	0	17.61	1.18	18.79	<=30	Pass	
			13	17.30	1.18	18.48	<=30	Pass	
			24	17.23	1.18	18.41	<=30	Pass	
		12	0	17.26	1.18	18.44	<=30	Pass	
			6	16.91	1.18	18.09	<=30	Pass	
			13	16.92	1.18	18.10	<=30	Pass	
		25	0	17.19	1.18	18.37	<=30	Pass	
		1732.5	1	0	19.00	1.18	20.18	<=30	Pass
				13	19.29	1.18	20.47	<=30	Pass
				24	19.62	1.18	20.80	<=30	Pass
			12	0	18.24	1.18	19.42	<=30	Pass
				6	18.38	1.18	19.56	<=30	Pass
	13			18.54	1.18	19.72	<=30	Pass	
	25		0	18.28	1.18	19.46	<=30	Pass	
	1752.5	1	0	19.21	1.18	20.39	<=30	Pass	
			13	19.00	1.18	20.18	<=30	Pass	
			24	18.78	1.18	19.96	<=30	Pass	
		12	0	18.08	1.18	19.26	<=30	Pass	
			6	17.78	1.18	18.96	<=30	Pass	
			13	17.63	1.18	18.81	<=30	Pass	
		25	0	18.05	1.18	19.23	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	19.39	1.18	20.57	<=30	Pass
			25	18.89	1.18	20.07	<=30	Pass
			49	18.67	1.18	19.85	<=30	Pass
		25	0	18.28	1.18	19.46	<=30	Pass
			13	17.95	1.18	19.13	<=30	Pass
			25	17.89	1.18	19.07	<=30	Pass
		50	0	18.09	1.18	19.27	<=30	Pass
	1732.5	1	0	19.93	1.18	21.11	<=30	Pass
			25	20.79	1.18	21.97	<=30	Pass

		25		49	20.78	1.18	21.96	<=30	Pass	
			0	19.15	1.18	20.33	<=30	Pass		
			13	19.48	1.18	20.66	<=30	Pass		
			25	19.66	1.18	20.84	<=30	Pass		
		50	0	19.34	1.18	20.52	<=30	Pass		
	1750	1		0	20.71	1.18	21.89	<=30	Pass	
			25	20.03	1.18	21.21	<=30	Pass		
			49	19.60	1.18	20.78	<=30	Pass		
		25		0	19.55	1.18	20.73	<=30	Pass	
			13	19.12	1.18	20.30	<=30	Pass		
			25	18.96	1.18	20.14	<=30	Pass		
		50	0	19.30	1.18	20.48	<=30	Pass		
		16QAM	1715	1		0	18.16	1.18	19.34	<=30
	25				17.47	1.18	18.65	<=30	Pass	
	49				17.41	1.18	18.59	<=30	Pass	
	25				0	17.27	1.18	18.45	<=30	Pass
13				16.98	1.18	18.16	<=30	Pass		
25				16.84	1.18	18.02	<=30	Pass		
50	0			17.08	1.18	18.26	<=30	Pass		
1732.5	1				0	18.54	1.18	19.72	<=30	Pass
				25	20.42	1.18	21.60	<=30	Pass	
			49	20.13	1.18	21.31	<=30	Pass		
	25			0	18.03	1.18	19.21	<=30	Pass	
			13	18.49	1.18	19.67	<=30	Pass		
			25	18.76	1.18	19.94	<=30	Pass		
	50		0	18.35	1.18	19.53	<=30	Pass		
	1750		1		0	20.56	1.18	21.74	<=30	Pass
				25	19.17	1.18	20.35	<=30	Pass	
49				18.69	1.18	19.87	<=30	Pass		
25				0	18.46	1.18	19.64	<=30	Pass	
			13	18.16	1.18	19.34	<=30	Pass		
			25	17.93	1.18	19.11	<=30	Pass		
50			0	18.32	1.18	19.50	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

1.5 B4_15MHz_EIRP

1.5.1 Test Result

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	19.13	1.18	20.31	<=30	Pass
			38	18.43	1.18	19.61	<=30	Pass
			74	19.13	1.18	20.31	<=30	Pass
		36	0	17.94	1.18	19.12	<=30	Pass
			18	17.73	1.18	18.91	<=30	Pass
			39	18.03	1.18	19.21	<=30	Pass
		75	0	17.94	1.18	19.12	<=30	Pass
			0	19.23	1.18	20.41	<=30	Pass
	1732.5	1	38	20.38	1.18	21.56	<=30	Pass
			74	20.61	1.18	21.79	<=30	Pass
			0	18.96	1.18	20.14	<=30	Pass
		36	18	19.36	1.18	20.54	<=30	Pass
			39	19.69	1.18	20.87	<=30	Pass
			0	19.20	1.18	20.38	<=30	Pass
		75	0	20.73	1.18	21.91	<=30	Pass
			38	20.10	1.18	21.28	<=30	Pass
	1747.5	1	74	19.52	1.18	20.70	<=30	Pass

		36	0	19.77	1.18	20.95	<=30	Pass		
			18	19.32	1.18	20.50	<=30	Pass		
			39	19.01	1.18	20.19	<=30	Pass		
		75	0	19.45	1.18	20.63	<=30	Pass		
16QAM	1717.5	1	0	18.25	1.18	19.43	<=30	Pass		
			38	17.39	1.18	18.57	<=30	Pass		
			74	18.19	1.18	19.37	<=30	Pass		
		36	0	16.99	1.18	18.17	<=30	Pass		
			18	16.69	1.18	17.87	<=30	Pass		
			39	16.90	1.18	18.08	<=30	Pass		
		75	0	17.02	1.18	18.20	<=30	Pass		
		1732.5	1	0	18.75	1.18	19.93	<=30	Pass	
				38	20.41	1.18	21.59	<=30	Pass	
	74			20.32	1.18	21.50	<=30	Pass		
	36		0	17.75	1.18	18.93	<=30	Pass		
			18	18.53	1.18	19.71	<=30	Pass		
			39	18.94	1.18	20.12	<=30	Pass		
	75		0	18.23	1.18	19.41	<=30	Pass		
	1747.5		1	0	20.85	1.18	22.03	<=30	Pass	
				38	19.52	1.18	20.70	<=30	Pass	
		74		18.74	1.18	19.92	<=30	Pass		
		36	0	18.70	1.18	19.88	<=30	Pass		
			18	18.26	1.18	19.44	<=30	Pass		
			39	17.89	1.18	19.07	<=30	Pass		
		75	0	18.37	1.18	19.55	<=30	Pass		
		Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B4_20MHz_EIRP

1.6.1 Test Result

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	19.02	1.18	20.20	<=30	Pass
			50	18.45	1.18	19.63	<=30	Pass
			99	20.04	1.18	21.22	<=30	Pass
		50	0	17.76	1.18	18.94	<=30	Pass
			25	17.91	1.18	19.09	<=30	Pass
			50	18.39	1.18	19.57	<=30	Pass
		100	0	18.12	1.18	19.30	<=30	Pass
	1732.5	1	0	18.91	1.18	20.09	<=30	Pass
			50	20.59	1.18	21.77	<=30	Pass
			99	20.73	1.18	21.91	<=30	Pass
		50	0	18.72	1.18	19.90	<=30	Pass
			25	19.31	1.18	20.49	<=30	Pass
			50	19.63	1.18	20.81	<=30	Pass
		100	0	19.09	1.18	20.27	<=30	Pass
	1745	1	0	20.38	1.18	21.56	<=30	Pass
			50	20.24	1.18	21.42	<=30	Pass
			99	19.32	1.18	20.50	<=30	Pass
		50	0	19.77	1.18	20.95	<=30	Pass
			25	19.46	1.18	20.64	<=30	Pass
			50	19.10	1.18	20.28	<=30	Pass
		100	0	19.60	1.18	20.78	<=30	Pass
16QAM	1720	1	0	18.54	1.18	19.72	<=30	Pass
			50	18.43	1.18	19.61	<=30	Pass
			99	20.03	1.18	21.21	<=30	Pass
		50	0	16.72	1.18	17.90	<=30	Pass

			25	16.97	1.18	18.15	<=30	Pass	
			50	17.37	1.18	18.55	<=30	Pass	
		100	0	17.12	1.18	18.30	<=30	Pass	
	1732.5	1	0	17.95	1.18	19.13	<=30	Pass	
			50	19.55	1.18	20.73	<=30	Pass	
			99	19.62	1.18	20.80	<=30	Pass	
		50	0	17.63	1.18	18.81	<=30	Pass	
			25	18.34	1.18	19.52	<=30	Pass	
			50	18.64	1.18	19.82	<=30	Pass	
		100	0	18.10	1.18	19.28	<=30	Pass	
		1745	1	0	19.70	1.18	20.88	<=30	Pass
				50	20.11	1.18	21.29	<=30	Pass
	99			18.82	1.18	20.00	<=30	Pass	
	50		0	18.82	1.18	20.00	<=30	Pass	
			25	18.48	1.18	19.66	<=30	Pass	
			50	18.16	1.18	19.34	<=30	Pass	
	100		0	18.61	1.18	19.79	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

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	10.2	0.844	0.0005	-2.5 to 2.5	Pass
					12	0.629	0.0004	-2.5 to 2.5	Pass
					13.8	1.445	0.0008	-2.5 to 2.5	Pass
				-30	12	1.831	0.0011	-2.5 to 2.5	Pass
				-20	12	1.674	0.0010	-2.5 to 2.5	Pass
				-10	12	1.202	0.0007	-2.5 to 2.5	Pass
				0	12	0.143	0.0001	-2.5 to 2.5	Pass
				10	12	1.488	0.0009	-2.5 to 2.5	Pass
				30	12	1.917	0.0011	-2.5 to 2.5	Pass
				40	12	1.888	0.0011	-2.5 to 2.5	Pass
				50	12	1.917	0.0011	-2.5 to 2.5	Pass
	1732.5	6	0	20	10.2	-0.157	-0.0001	-2.5 to 2.5	Pass
					12	1.130	0.0007	-2.5 to 2.5	Pass
					13.8	0.944	0.0005	-2.5 to 2.5	Pass
				-30	12	0.343	0.0002	-2.5 to 2.5	Pass
				-20	12	0.157	0.0001	-2.5 to 2.5	Pass
				-10	12	-0.372	-0.0002	-2.5 to 2.5	Pass
				0	12	-0.343	-0.0002	-2.5 to 2.5	Pass
				10	12	-1.230	-0.0007	-2.5 to 2.5	Pass
				30	12	-1.316	-0.0008	-2.5 to 2.5	Pass
				40	12	0.014	0.0000	-2.5 to 2.5	Pass
				50	12	0.200	0.0001	-2.5 to 2.5	Pass
	1754.3	6	0	20	10.2	-3.934	-0.0022	-2.5 to 2.5	Pass
					12	-1.974	-0.0011	-2.5 to 2.5	Pass
					13.8	-4.191	-0.0024	-2.5 to 2.5	Pass
				-30	12	-3.934	-0.0022	-2.5 to 2.5	Pass
				-20	12	-3.576	-0.0020	-2.5 to 2.5	Pass
				-10	12	-4.220	-0.0024	-2.5 to 2.5	Pass
				0	12	-3.877	-0.0022	-2.5 to 2.5	Pass
				10	12	-2.561	-0.0015	-2.5 to 2.5	Pass
				30	12	-2.518	-0.0014	-2.5 to 2.5	Pass

16QAM	1710.7	6	0	40	12	-3.548	-0.0020	-2.5 to 2.5	Pass
				50	12	-2.332	-0.0013	-2.5 to 2.5	Pass
				20	10.2	1.874	0.0011	-2.5 to 2.5	Pass
					12	0.916	0.0005	-2.5 to 2.5	Pass
					13.8	2.203	0.0013	-2.5 to 2.5	Pass
				-30	12	0.458	0.0003	-2.5 to 2.5	Pass
				-20	12	2.131	0.0012	-2.5 to 2.5	Pass
				-10	12	0.916	0.0005	-2.5 to 2.5	Pass
				0	12	0.873	0.0005	-2.5 to 2.5	Pass
				10	12	1.216	0.0007	-2.5 to 2.5	Pass
	1732.5	6	0	30	12	0.644	0.0004	-2.5 to 2.5	Pass
				40	12	0.730	0.0004	-2.5 to 2.5	Pass
				50	12	0.958	0.0006	-2.5 to 2.5	Pass
				20	10.2	0.315	0.0002	-2.5 to 2.5	Pass
					12	0.000	0.0000	-2.5 to 2.5	Pass
					13.8	-1.287	-0.0007	-2.5 to 2.5	Pass
				-30	12	0.386	0.0002	-2.5 to 2.5	Pass
				-20	12	-0.114	-0.0001	-2.5 to 2.5	Pass
				-10	12	-0.587	-0.0003	-2.5 to 2.5	Pass
				0	12	-1.159	-0.0007	-2.5 to 2.5	Pass
	1754.3	6	0	10	12	-1.245	-0.0007	-2.5 to 2.5	Pass
				30	12	-0.129	-0.0001	-2.5 to 2.5	Pass
				40	12	-0.973	-0.0006	-2.5 to 2.5	Pass
				50	12	-1.774	-0.0010	-2.5 to 2.5	Pass
				20	10.2	-3.805	-0.0022	-2.5 to 2.5	Pass
					12	-3.662	-0.0021	-2.5 to 2.5	Pass
					13.8	-2.317	-0.0013	-2.5 to 2.5	Pass
				-30	12	-2.861	-0.0016	-2.5 to 2.5	Pass
				-20	12	-3.819	-0.0022	-2.5 to 2.5	Pass
				-10	12	-2.990	-0.0017	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

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	10.2	0.472	0.0003	-2.5 to 2.5	Pass
					12	0.043	0.0000	-2.5 to 2.5	Pass
					13.8	-0.315	-0.0002	-2.5 to 2.5	Pass
				-30	12	0.186	0.0001	-2.5 to 2.5	Pass
				-20	12	-0.043	0.0000	-2.5 to 2.5	Pass
				-10	12	0.072	0.0000	-2.5 to 2.5	Pass
				0	12	0.901	0.0005	-2.5 to 2.5	Pass
				10	12	-0.043	0.0000	-2.5 to 2.5	Pass
				30	12	0.343	0.0002	-2.5 to 2.5	Pass
				40	12	0.200	0.0001	-2.5 to 2.5	Pass
	1732.5	15	0	50	12	0.787	0.0005	-2.5 to 2.5	Pass
				20	10.2	0.587	0.0003	-2.5 to 2.5	Pass
					12	0.486	0.0003	-2.5 to 2.5	Pass
					13.8	-0.687	-0.0004	-2.5 to 2.5	Pass
				-30	12	-0.615	-0.0004	-2.5 to 2.5	Pass
				-20	12	0.472	0.0003	-2.5 to 2.5	Pass

				-10	12	1.130	0.0007	-2.5 to 2.5	Pass
				0	12	1.831	0.0011	-2.5 to 2.5	Pass
				10	12	0.343	0.0002	-2.5 to 2.5	Pass
				30	12	0.787	0.0005	-2.5 to 2.5	Pass
				40	12	1.116	0.0006	-2.5 to 2.5	Pass
				50	12	0.644	0.0004	-2.5 to 2.5	Pass
	1753.5	15	0	20	10.2	0.186	0.0001	-2.5 to 2.5	Pass
					12	1.402	0.0008	-2.5 to 2.5	Pass
					13.8	0.458	0.0003	-2.5 to 2.5	Pass
				-30	12	0.172	0.0001	-2.5 to 2.5	Pass
				-20	12	0.744	0.0004	-2.5 to 2.5	Pass
				-10	12	0.787	0.0004	-2.5 to 2.5	Pass
				0	12	0.701	0.0004	-2.5 to 2.5	Pass
				10	12	0.529	0.0003	-2.5 to 2.5	Pass
				30	12	1.044	0.0006	-2.5 to 2.5	Pass
				40	12	0.000	0.0000	-2.5 to 2.5	Pass
				50	12	-0.229	-0.0001	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	10.2	0.644	0.0004	-2.5 to 2.5	Pass
					12	0.901	0.0005	-2.5 to 2.5	Pass
					13.8	-0.200	-0.0001	-2.5 to 2.5	Pass
				-30	12	0.358	0.0002	-2.5 to 2.5	Pass
				-20	12	0.916	0.0005	-2.5 to 2.5	Pass
				-10	12	-0.672	-0.0004	-2.5 to 2.5	Pass
				0	12	-0.029	0.0000	-2.5 to 2.5	Pass
				10	12	0.458	0.0003	-2.5 to 2.5	Pass
				30	12	-0.043	0.0000	-2.5 to 2.5	Pass
				40	12	-0.100	-0.0001	-2.5 to 2.5	Pass
				50	12	-0.429	-0.0003	-2.5 to 2.5	Pass
	1732.5	15	0	20	10.2	-0.386	-0.0002	-2.5 to 2.5	Pass
					12	1.087	0.0006	-2.5 to 2.5	Pass
					13.8	0.529	0.0003	-2.5 to 2.5	Pass
				-30	12	-0.215	-0.0001	-2.5 to 2.5	Pass
				-20	12	0.215	0.0001	-2.5 to 2.5	Pass
				-10	12	0.129	0.0001	-2.5 to 2.5	Pass
				0	12	0.601	0.0003	-2.5 to 2.5	Pass
				10	12	0.901	0.0005	-2.5 to 2.5	Pass
				30	12	-0.186	-0.0001	-2.5 to 2.5	Pass
				40	12	0.658	0.0004	-2.5 to 2.5	Pass
				50	12	0.186	0.0001	-2.5 to 2.5	Pass
	1753.5	15	0	20	10.2	0.715	0.0004	-2.5 to 2.5	Pass
					12	0.658	0.0004	-2.5 to 2.5	Pass
					13.8	1.516	0.0009	-2.5 to 2.5	Pass
				-30	12	0.844	0.0005	-2.5 to 2.5	Pass
				-20	12	0.830	0.0005	-2.5 to 2.5	Pass
				-10	12	1.330	0.0008	-2.5 to 2.5	Pass
				0	12	0.629	0.0004	-2.5 to 2.5	Pass
				10	12	0.472	0.0003	-2.5 to 2.5	Pass
				30	12	0.801	0.0005	-2.5 to 2.5	Pass
				40	12	1.030	0.0006	-2.5 to 2.5	Pass
				50	12	1.001	0.0006	-2.5 to 2.5	Pass

2.3 B4_5MHz

2.3.1 Test Result

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	10.2	1.316	0.0008	-2.5 to 2.5	Pass

					12	1.831	0.0011	-2.5 to 2.5	Pass
					13.8	0.844	0.0005	-2.5 to 2.5	Pass
				-30	12	1.745	0.0010	-2.5 to 2.5	Pass
				-20	12	1.931	0.0011	-2.5 to 2.5	Pass
				-10	12	1.960	0.0011	-2.5 to 2.5	Pass
				0	12	1.345	0.0008	-2.5 to 2.5	Pass
				10	12	1.388	0.0008	-2.5 to 2.5	Pass
				30	12	1.588	0.0009	-2.5 to 2.5	Pass
				40	12	2.103	0.0012	-2.5 to 2.5	Pass
				50	12	1.044	0.0006	-2.5 to 2.5	Pass
	1732.5	25	0	20	10.2	-0.629	-0.0004	-2.5 to 2.5	Pass
					12	0.143	0.0001	-2.5 to 2.5	Pass
					13.8	-1.216	-0.0007	-2.5 to 2.5	Pass
				-30	12	0.730	0.0004	-2.5 to 2.5	Pass
				-20	12	1.059	0.0006	-2.5 to 2.5	Pass
				-10	12	1.073	0.0006	-2.5 to 2.5	Pass
				0	12	0.858	0.0005	-2.5 to 2.5	Pass
				10	12	0.801	0.0005	-2.5 to 2.5	Pass
				30	12	0.358	0.0002	-2.5 to 2.5	Pass
				40	12	-0.043	0.0000	-2.5 to 2.5	Pass
				50	12	0.873	0.0005	-2.5 to 2.5	Pass
	1752.5	25	0	20	10.2	-2.661	-0.0015	-2.5 to 2.5	Pass
					12	-2.747	-0.0016	-2.5 to 2.5	Pass
					13.8	-2.432	-0.0014	-2.5 to 2.5	Pass
				-30	12	-3.090	-0.0018	-2.5 to 2.5	Pass
				-20	12	-2.604	-0.0015	-2.5 to 2.5	Pass
				-10	12	-2.604	-0.0015	-2.5 to 2.5	Pass
				0	12	-1.988	-0.0011	-2.5 to 2.5	Pass
				10	12	-3.448	-0.0020	-2.5 to 2.5	Pass
				30	12	-2.918	-0.0017	-2.5 to 2.5	Pass
				40	12	-2.832	-0.0016	-2.5 to 2.5	Pass
				50	12	-2.789	-0.0016	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	10.2	1.774	0.0010	-2.5 to 2.5	Pass
					12	0.215	0.0001	-2.5 to 2.5	Pass
					13.8	-0.372	-0.0002	-2.5 to 2.5	Pass
				-30	12	0.229	0.0001	-2.5 to 2.5	Pass
				-20	12	-0.172	-0.0001	-2.5 to 2.5	Pass
				-10	12	0.229	0.0001	-2.5 to 2.5	Pass
				0	12	2.260	0.0013	-2.5 to 2.5	Pass
				10	12	0.701	0.0004	-2.5 to 2.5	Pass
				30	12	1.559	0.0009	-2.5 to 2.5	Pass
				40	12	2.017	0.0012	-2.5 to 2.5	Pass
				50	12	1.516	0.0009	-2.5 to 2.5	Pass
	1732.5	25	0	20	10.2	0.129	0.0001	-2.5 to 2.5	Pass
					12	-0.114	-0.0001	-2.5 to 2.5	Pass
					13.8	-0.830	-0.0005	-2.5 to 2.5	Pass
				-30	12	0.243	0.0001	-2.5 to 2.5	Pass
				-20	12	-0.987	-0.0006	-2.5 to 2.5	Pass
				-10	12	0.601	0.0003	-2.5 to 2.5	Pass
				0	12	1.130	0.0007	-2.5 to 2.5	Pass
				10	12	1.245	0.0007	-2.5 to 2.5	Pass
				30	12	0.815	0.0005	-2.5 to 2.5	Pass
				40	12	0.815	0.0005	-2.5 to 2.5	Pass
				50	12	0.715	0.0004	-2.5 to 2.5	Pass
	1752.5	25	0	20	10.2	-2.718	-0.0016	-2.5 to 2.5	Pass
					12	-2.017	-0.0012	-2.5 to 2.5	Pass
					13.8	-3.018	-0.0017	-2.5 to 2.5	Pass
				-30	12	-2.532	-0.0014	-2.5 to 2.5	Pass
				-20	12	-2.890	-0.0016	-2.5 to 2.5	Pass
				-10	12	-3.648	-0.0021	-2.5 to 2.5	Pass
				0	12	-2.761	-0.0016	-2.5 to 2.5	Pass
				10	12	-2.718	-0.0016	-2.5 to 2.5	Pass

				30	12	-2.604	-0.0015	-2.5 to 2.5	Pass
				40	12	-2.704	-0.0015	-2.5 to 2.5	Pass
				50	12	-1.917	-0.0011	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

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	10.2	-3.490	-0.0020	-2.5 to 2.5	Pass
					12	-2.789	-0.0016	-2.5 to 2.5	Pass
					13.8	-2.260	-0.0013	-2.5 to 2.5	Pass
				-30	12	-2.089	-0.0012	-2.5 to 2.5	Pass
				-20	12	-2.418	-0.0014	-2.5 to 2.5	Pass
				-10	12	-2.017	-0.0012	-2.5 to 2.5	Pass
				0	12	-3.104	-0.0018	-2.5 to 2.5	Pass
				10	12	-2.890	-0.0017	-2.5 to 2.5	Pass
				30	12	-2.146	-0.0013	-2.5 to 2.5	Pass
				40	12	-2.289	-0.0013	-2.5 to 2.5	Pass
				50	12	-2.046	-0.0012	-2.5 to 2.5	Pass
	1732.5	50	0	20	10.2	0.501	0.0003	-2.5 to 2.5	Pass
					12	0.386	0.0002	-2.5 to 2.5	Pass
					13.8	0.944	0.0005	-2.5 to 2.5	Pass
				-30	12	0.014	0.0000	-2.5 to 2.5	Pass
				-20	12	0.014	0.0000	-2.5 to 2.5	Pass
				-10	12	0.401	0.0002	-2.5 to 2.5	Pass
				0	12	0.515	0.0003	-2.5 to 2.5	Pass
				10	12	0.558	0.0003	-2.5 to 2.5	Pass
				30	12	0.057	0.0000	-2.5 to 2.5	Pass
				40	12	0.830	0.0005	-2.5 to 2.5	Pass
				50	12	0.315	0.0002	-2.5 to 2.5	Pass
	1750	50	0	20	10.2	0.987	0.0006	-2.5 to 2.5	Pass
					12	2.146	0.0012	-2.5 to 2.5	Pass
					13.8	2.460	0.0014	-2.5 to 2.5	Pass
				-30	12	2.475	0.0014	-2.5 to 2.5	Pass
				-20	12	2.375	0.0014	-2.5 to 2.5	Pass
				-10	12	1.988	0.0011	-2.5 to 2.5	Pass
				0	12	1.144	0.0007	-2.5 to 2.5	Pass
				10	12	1.717	0.0010	-2.5 to 2.5	Pass
				30	12	1.230	0.0007	-2.5 to 2.5	Pass
				40	12	2.561	0.0015	-2.5 to 2.5	Pass
				50	12	1.817	0.0010	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	10.2	-2.246	-0.0013	-2.5 to 2.5	Pass
					12	-2.861	-0.0017	-2.5 to 2.5	Pass
					13.8	-2.704	-0.0016	-2.5 to 2.5	Pass
				-30	12	-2.775	-0.0016	-2.5 to 2.5	Pass
				-20	12	-3.076	-0.0018	-2.5 to 2.5	Pass
				-10	12	-2.933	-0.0017	-2.5 to 2.5	Pass
				0	12	-2.975	-0.0017	-2.5 to 2.5	Pass
				10	12	-2.375	-0.0014	-2.5 to 2.5	Pass
				30	12	-3.304	-0.0019	-2.5 to 2.5	Pass
				40	12	-2.532	-0.0015	-2.5 to 2.5	Pass
				50	12	-4.106	-0.0024	-2.5 to 2.5	Pass
	1732.5	50	0	20	10.2	1.259	0.0007	-2.5 to 2.5	Pass
					12	0.401	0.0002	-2.5 to 2.5	Pass
					13.8	0.701	0.0004	-2.5 to 2.5	Pass
				-30	12	1.116	0.0006	-2.5 to 2.5	Pass

				-20	12	0.916	0.0005	-2.5 to 2.5	Pass
				-10	12	1.216	0.0007	-2.5 to 2.5	Pass
				0	12	-0.772	-0.0004	-2.5 to 2.5	Pass
				10	12	1.330	0.0008	-2.5 to 2.5	Pass
				30	12	-0.243	-0.0001	-2.5 to 2.5	Pass
				40	12	0.787	0.0005	-2.5 to 2.5	Pass
				50	12	0.300	0.0002	-2.5 to 2.5	Pass
	1750	50	0	20	10.2	1.616	0.0009	-2.5 to 2.5	Pass
					12	2.718	0.0016	-2.5 to 2.5	Pass
					13.8	2.060	0.0012	-2.5 to 2.5	Pass
				-30	12	1.659	0.0009	-2.5 to 2.5	Pass
				-20	12	1.230	0.0007	-2.5 to 2.5	Pass
				-10	12	0.758	0.0004	-2.5 to 2.5	Pass
				0	12	1.745	0.0010	-2.5 to 2.5	Pass
				10	12	1.030	0.0006	-2.5 to 2.5	Pass
				30	12	0.901	0.0005	-2.5 to 2.5	Pass
				40	12	1.702	0.0010	-2.5 to 2.5	Pass
				50	12	2.789	0.0016	-2.5 to 2.5	Pass

2.5 B4_15MHz

2.5.1 Test Result

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	10.2	-0.143	-0.0001	-2.5 to 2.5	Pass
					12	0.043	0.0000	-2.5 to 2.5	Pass
					13.8	0.072	0.0000	-2.5 to 2.5	Pass
				-30	12	0.429	0.0002	-2.5 to 2.5	Pass
				-20	12	-0.300	-0.0002	-2.5 to 2.5	Pass
				-10	12	0.401	0.0002	-2.5 to 2.5	Pass
				0	12	0.873	0.0005	-2.5 to 2.5	Pass
				10	12	-0.143	-0.0001	-2.5 to 2.5	Pass
				30	12	0.587	0.0003	-2.5 to 2.5	Pass
				40	12	0.086	0.0001	-2.5 to 2.5	Pass
				50	12	1.287	0.0007	-2.5 to 2.5	Pass
	1732.5	75	0	20	10.2	0.715	0.0004	-2.5 to 2.5	Pass
					12	0.300	0.0002	-2.5 to 2.5	Pass
					13.8	0.215	0.0001	-2.5 to 2.5	Pass
				-30	12	0.801	0.0005	-2.5 to 2.5	Pass
				-20	12	1.059	0.0006	-2.5 to 2.5	Pass
				-10	12	0.901	0.0005	-2.5 to 2.5	Pass
				0	12	0.944	0.0005	-2.5 to 2.5	Pass
				10	12	0.315	0.0002	-2.5 to 2.5	Pass
				30	12	0.329	0.0002	-2.5 to 2.5	Pass
				40	12	-0.257	-0.0001	-2.5 to 2.5	Pass
				50	12	0.529	0.0003	-2.5 to 2.5	Pass
	1747.5	75	0	20	10.2	-0.014	0.0000	-2.5 to 2.5	Pass
					12	0.086	0.0000	-2.5 to 2.5	Pass
					13.8	0.672	0.0004	-2.5 to 2.5	Pass
				-30	12	0.415	0.0002	-2.5 to 2.5	Pass
				-20	12	0.644	0.0004	-2.5 to 2.5	Pass
				-10	12	0.000	0.0000	-2.5 to 2.5	Pass
				0	12	0.801	0.0005	-2.5 to 2.5	Pass
				10	12	1.273	0.0007	-2.5 to 2.5	Pass
				30	12	0.014	0.0000	-2.5 to 2.5	Pass
				40	12	0.730	0.0004	-2.5 to 2.5	Pass
				50	12	0.887	0.0005	-2.5 to 2.5	Pass

16QAM	1717.5	75	0	20	10.2	0.601	0.0003	-2.5 to 2.5	Pass
					12	0.658	0.0004	-2.5 to 2.5	Pass
					13.8	-0.129	-0.0001	-2.5 to 2.5	Pass
				-30	12	0.644	0.0004	-2.5 to 2.5	Pass
				-20	12	0.558	0.0003	-2.5 to 2.5	Pass
				-10	12	0.544	0.0003	-2.5 to 2.5	Pass
				0	12	0.272	0.0002	-2.5 to 2.5	Pass
				10	12	0.329	0.0002	-2.5 to 2.5	Pass
				30	12	-0.701	-0.0004	-2.5 to 2.5	Pass
				40	12	0.057	0.0000	-2.5 to 2.5	Pass
				50	12	0.300	0.0002	-2.5 to 2.5	Pass
	1732.5	75	0	20	10.2	0.458	0.0003	-2.5 to 2.5	Pass
					12	1.345	0.0008	-2.5 to 2.5	Pass
					13.8	1.302	0.0008	-2.5 to 2.5	Pass
				-30	12	1.545	0.0009	-2.5 to 2.5	Pass
				-20	12	0.372	0.0002	-2.5 to 2.5	Pass
				-10	12	0.257	0.0001	-2.5 to 2.5	Pass
				0	12	0.672	0.0004	-2.5 to 2.5	Pass
				10	12	0.744	0.0004	-2.5 to 2.5	Pass
				30	12	1.445	0.0008	-2.5 to 2.5	Pass
				40	12	0.329	0.0002	-2.5 to 2.5	Pass
				50	12	1.602	0.0009	-2.5 to 2.5	Pass
	1747.5	75	0	20	10.2	0.401	0.0002	-2.5 to 2.5	Pass
					12	0.329	0.0002	-2.5 to 2.5	Pass
					13.8	0.243	0.0001	-2.5 to 2.5	Pass
				-30	12	-0.272	-0.0002	-2.5 to 2.5	Pass
				-20	12	0.300	0.0002	-2.5 to 2.5	Pass
				-10	12	0.257	0.0001	-2.5 to 2.5	Pass
				0	12	0.200	0.0001	-2.5 to 2.5	Pass
				10	12	0.401	0.0002	-2.5 to 2.5	Pass
				30	12	-0.043	0.0000	-2.5 to 2.5	Pass
				40	12	0.200	0.0001	-2.5 to 2.5	Pass
				50	12	-0.129	-0.0001	-2.5 to 2.5	Pass

2.6 B4_20MHz

2.6.1 Test Result

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	10.2	1.702	0.0010	-2.5 to 2.5	Pass
					12	1.988	0.0012	-2.5 to 2.5	Pass
					13.8	1.545	0.0009	-2.5 to 2.5	Pass
				-30	12	2.160	0.0013	-2.5 to 2.5	Pass
				-20	12	1.831	0.0011	-2.5 to 2.5	Pass
				-10	12	1.659	0.0010	-2.5 to 2.5	Pass
				0	12	1.287	0.0007	-2.5 to 2.5	Pass
				10	12	1.674	0.0010	-2.5 to 2.5	Pass
				30	12	2.489	0.0014	-2.5 to 2.5	Pass
				40	12	2.317	0.0013	-2.5 to 2.5	Pass
				50	12	1.245	0.0007	-2.5 to 2.5	Pass
	1732.5	100	0	20	10.2	0.658	0.0004	-2.5 to 2.5	Pass
					12	1.130	0.0007	-2.5 to 2.5	Pass
					13.8	0.501	0.0003	-2.5 to 2.5	Pass
				-30	12	0.358	0.0002	-2.5 to 2.5	Pass
				-20	12	0.515	0.0003	-2.5 to 2.5	Pass
				-10	12	-0.272	-0.0002	-2.5 to 2.5	Pass
				0	12	0.429	0.0002	-2.5 to 2.5	Pass

	1745	100	0	10	12	0.544	0.0003	-2.5 to 2.5	Pass
				30	12	0.386	0.0002	-2.5 to 2.5	Pass
				40	12	0.443	0.0003	-2.5 to 2.5	Pass
				50	12	0.958	0.0006	-2.5 to 2.5	Pass
				20	10.2	-2.489	-0.0014	-2.5 to 2.5	Pass
					12	-2.203	-0.0013	-2.5 to 2.5	Pass
					13.8	-2.031	-0.0012	-2.5 to 2.5	Pass
				-30	12	-2.289	-0.0013	-2.5 to 2.5	Pass
				-20	12	-2.446	-0.0014	-2.5 to 2.5	Pass
				-10	12	-3.591	-0.0021	-2.5 to 2.5	Pass
				0	12	-3.033	-0.0017	-2.5 to 2.5	Pass
				10	12	-2.460	-0.0014	-2.5 to 2.5	Pass
				30	12	-2.646	-0.0015	-2.5 to 2.5	Pass
				40	12	-2.875	-0.0016	-2.5 to 2.5	Pass
				50	12	-2.575	-0.0015	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	10.2	2.303	0.0013	-2.5 to 2.5	Pass
					12	1.774	0.0010	-2.5 to 2.5	Pass
					13.8	1.917	0.0011	-2.5 to 2.5	Pass
				-30	12	1.945	0.0011	-2.5 to 2.5	Pass
				-20	12	1.330	0.0008	-2.5 to 2.5	Pass
				-10	12	1.287	0.0007	-2.5 to 2.5	Pass
				0	12	1.545	0.0009	-2.5 to 2.5	Pass
				10	12	1.516	0.0009	-2.5 to 2.5	Pass
				30	12	2.360	0.0014	-2.5 to 2.5	Pass
				40	12	1.731	0.0010	-2.5 to 2.5	Pass
				50	12	2.718	0.0016	-2.5 to 2.5	Pass
	1732.5	100	0	20	10.2	0.315	0.0002	-2.5 to 2.5	Pass
					12	0.014	0.0000	-2.5 to 2.5	Pass
					13.8	-0.215	-0.0001	-2.5 to 2.5	Pass
				-30	12	0.544	0.0003	-2.5 to 2.5	Pass
				-20	12	-0.057	0.0000	-2.5 to 2.5	Pass
				-10	12	0.887	0.0005	-2.5 to 2.5	Pass
				0	12	0.844	0.0005	-2.5 to 2.5	Pass
				10	12	0.086	0.0000	-2.5 to 2.5	Pass
				30	12	-0.229	-0.0001	-2.5 to 2.5	Pass
				40	12	1.688	0.0010	-2.5 to 2.5	Pass
				50	12	0.515	0.0003	-2.5 to 2.5	Pass
	1745	100	0	20	10.2	-2.475	-0.0014	-2.5 to 2.5	Pass
					12	-2.303	-0.0013	-2.5 to 2.5	Pass
					13.8	-2.904	-0.0017	-2.5 to 2.5	Pass
				-30	12	-3.362	-0.0019	-2.5 to 2.5	Pass
				-20	12	-3.176	-0.0018	-2.5 to 2.5	Pass
				-10	12	-2.346	-0.0013	-2.5 to 2.5	Pass
				0	12	-2.317	-0.0013	-2.5 to 2.5	Pass
				10	12	-2.747	-0.0016	-2.5 to 2.5	Pass
				30	12	-2.589	-0.0015	-2.5 to 2.5	Pass
				40	12	-2.918	-0.0017	-2.5 to 2.5	Pass
				50	12	-3.405	-0.0020	-2.5 to 2.5	Pass

3. Modulation Characteristics

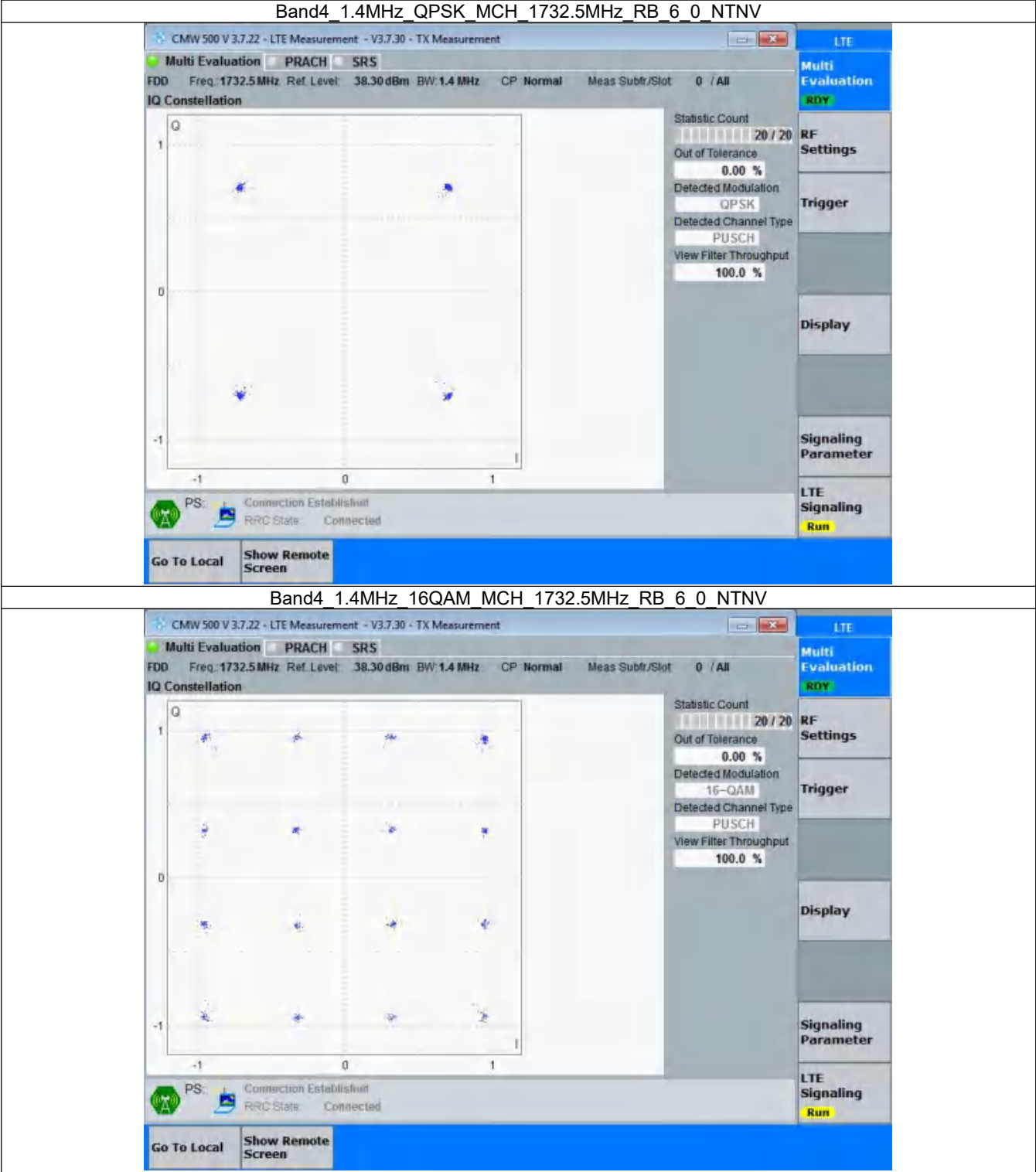
3.1 B4_1.4MHz

3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV						
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
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3.1.2 Test Graph

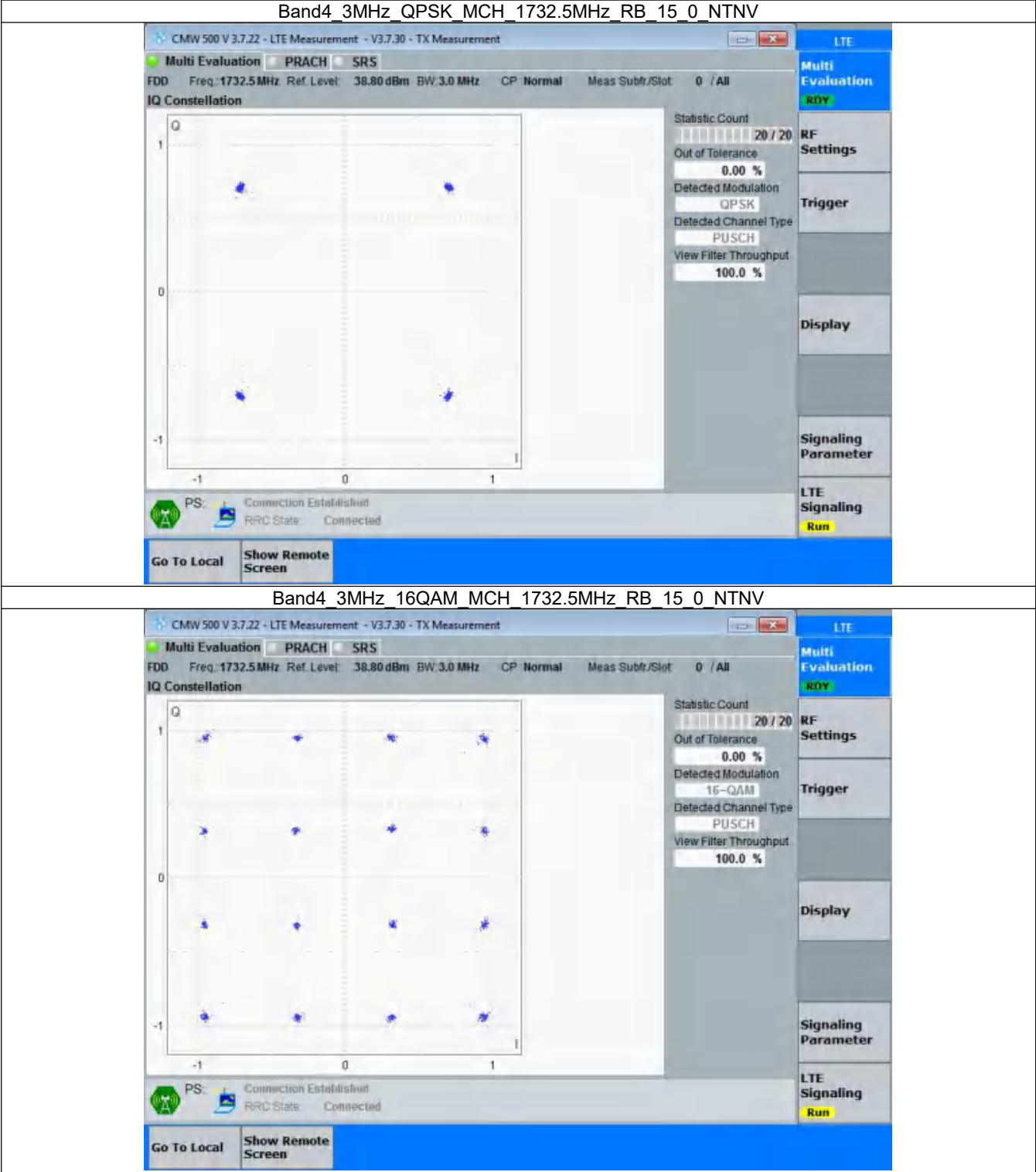


3.2 B4_3MHz

3.2.1 Test Result

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

3.2.2 Test Graph

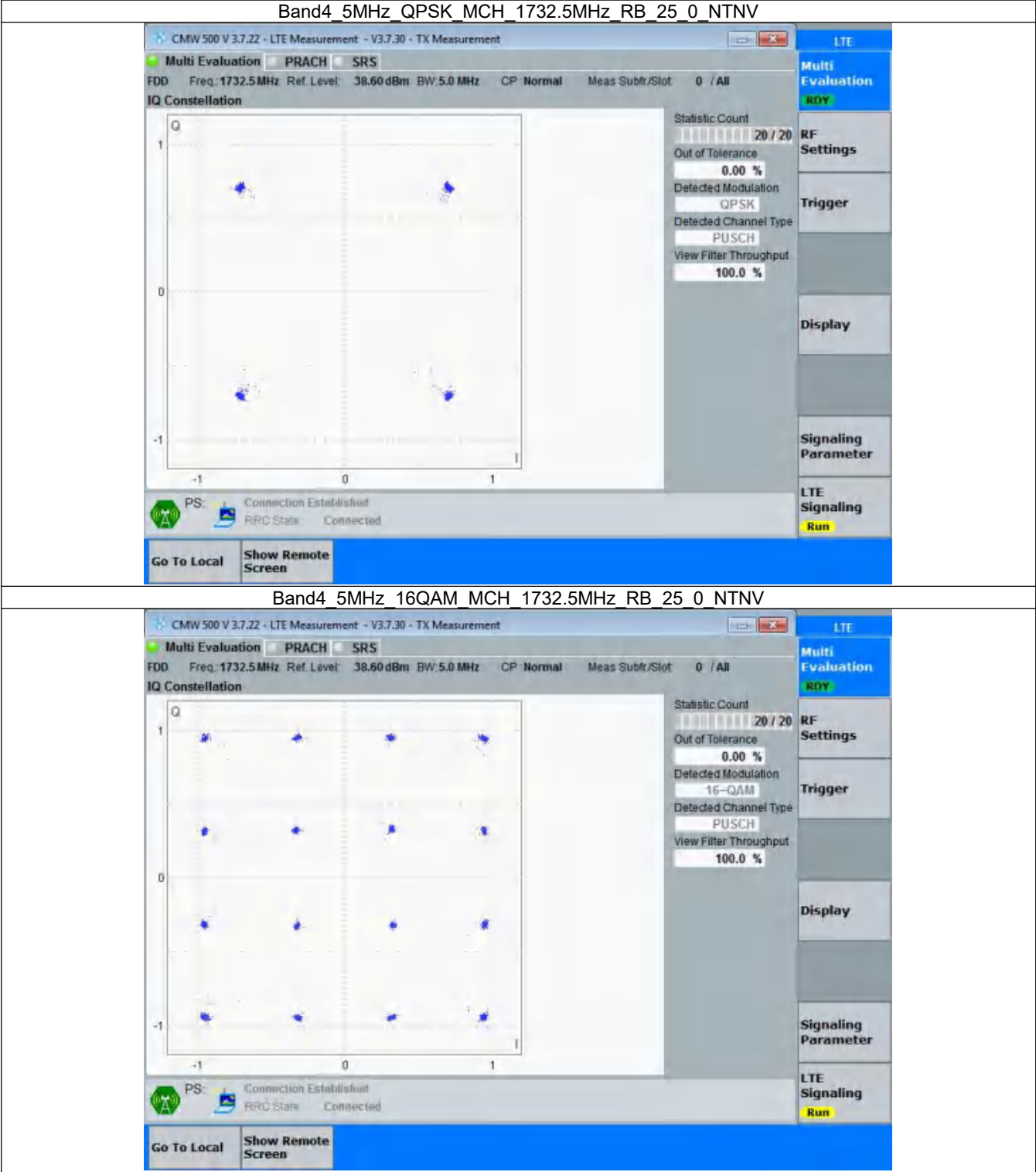


3.3 B4_5MHz

3.3.1 Test Result

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

3.3.2 Test Graph

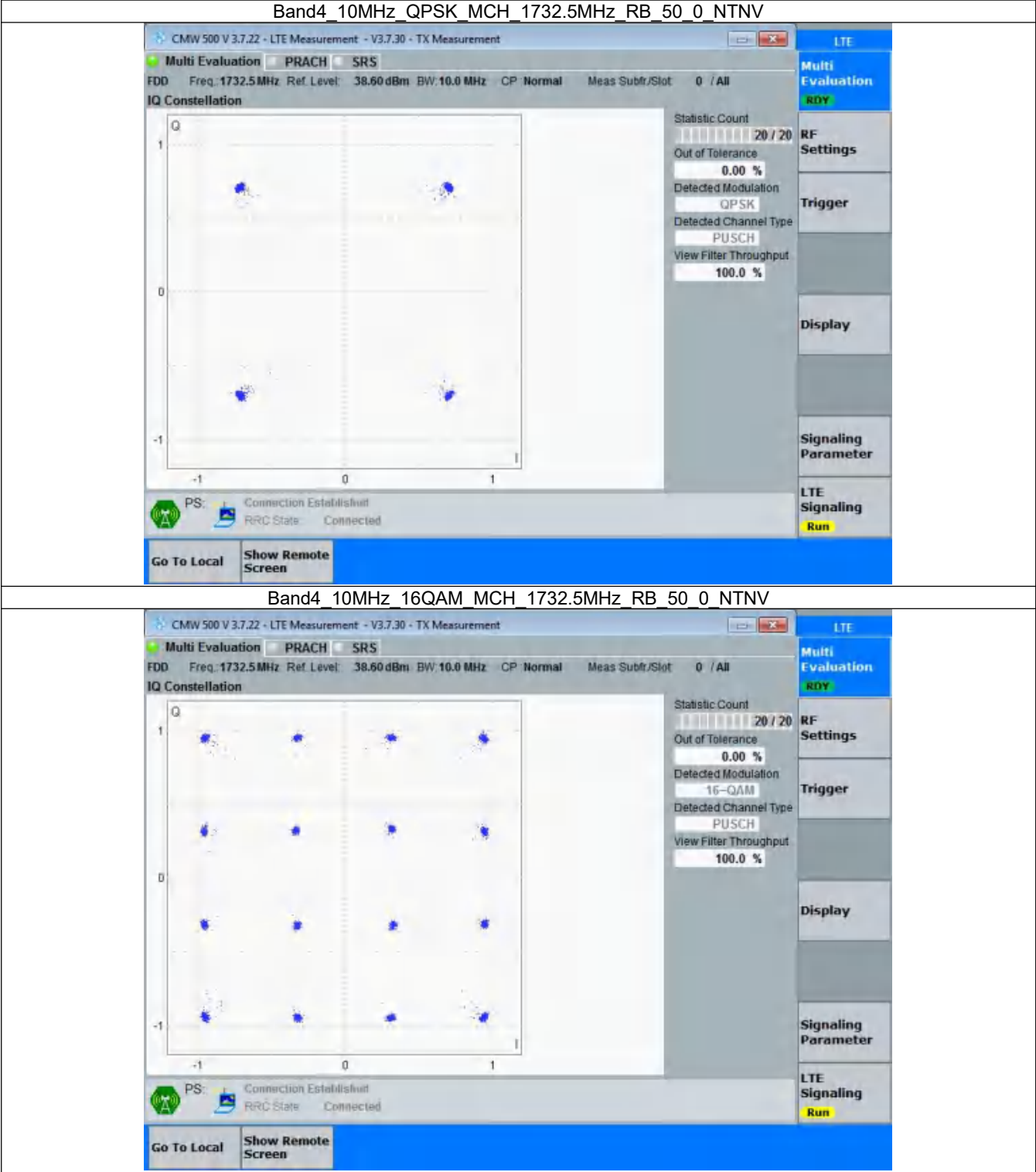


3.4 B4_10MHz

3.4.1 Test Result

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

3.4.2 Test Graph

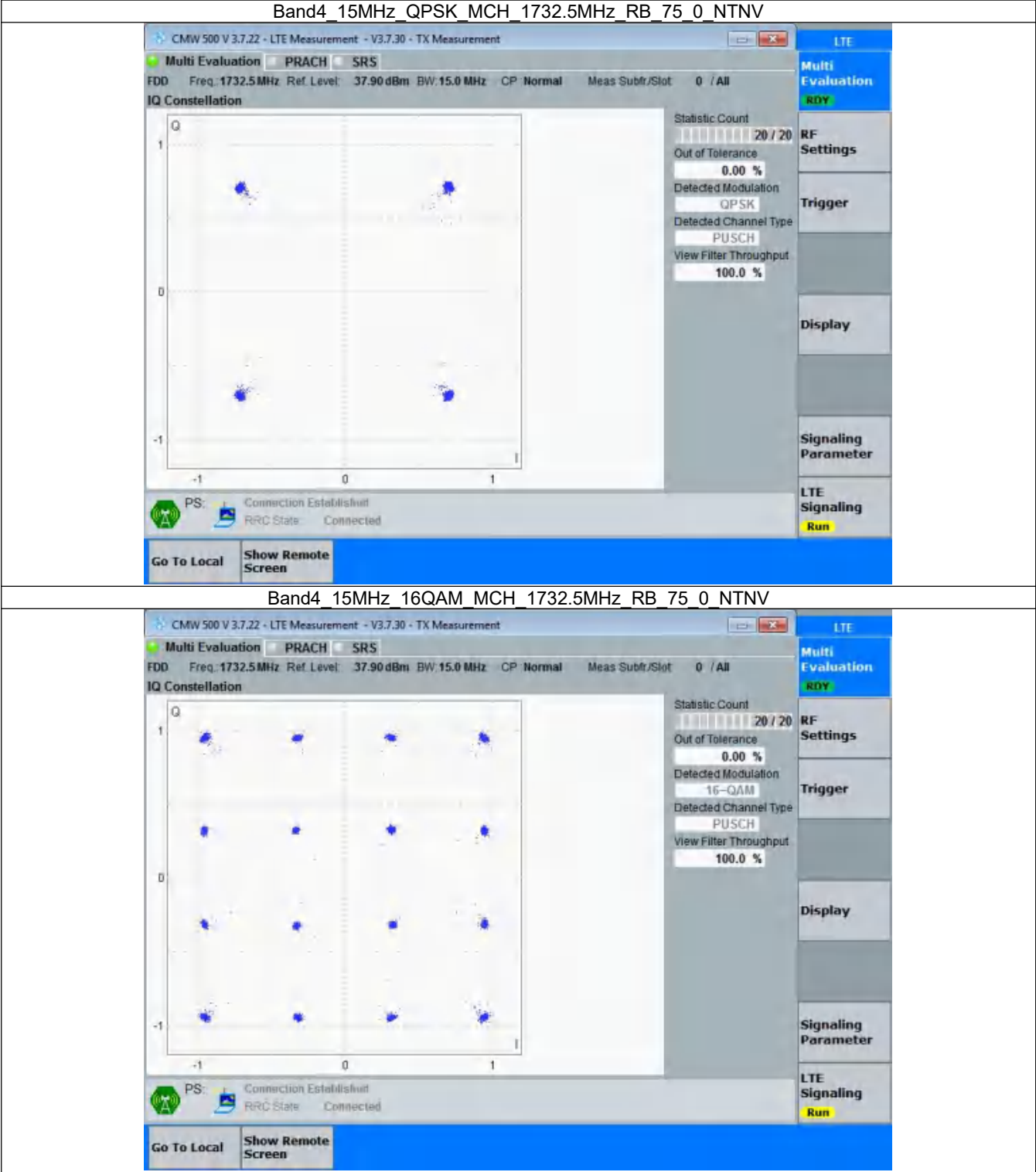


3.5 B4_15MHz

3.5.1 Test Result

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

3.5.2 Test Graph

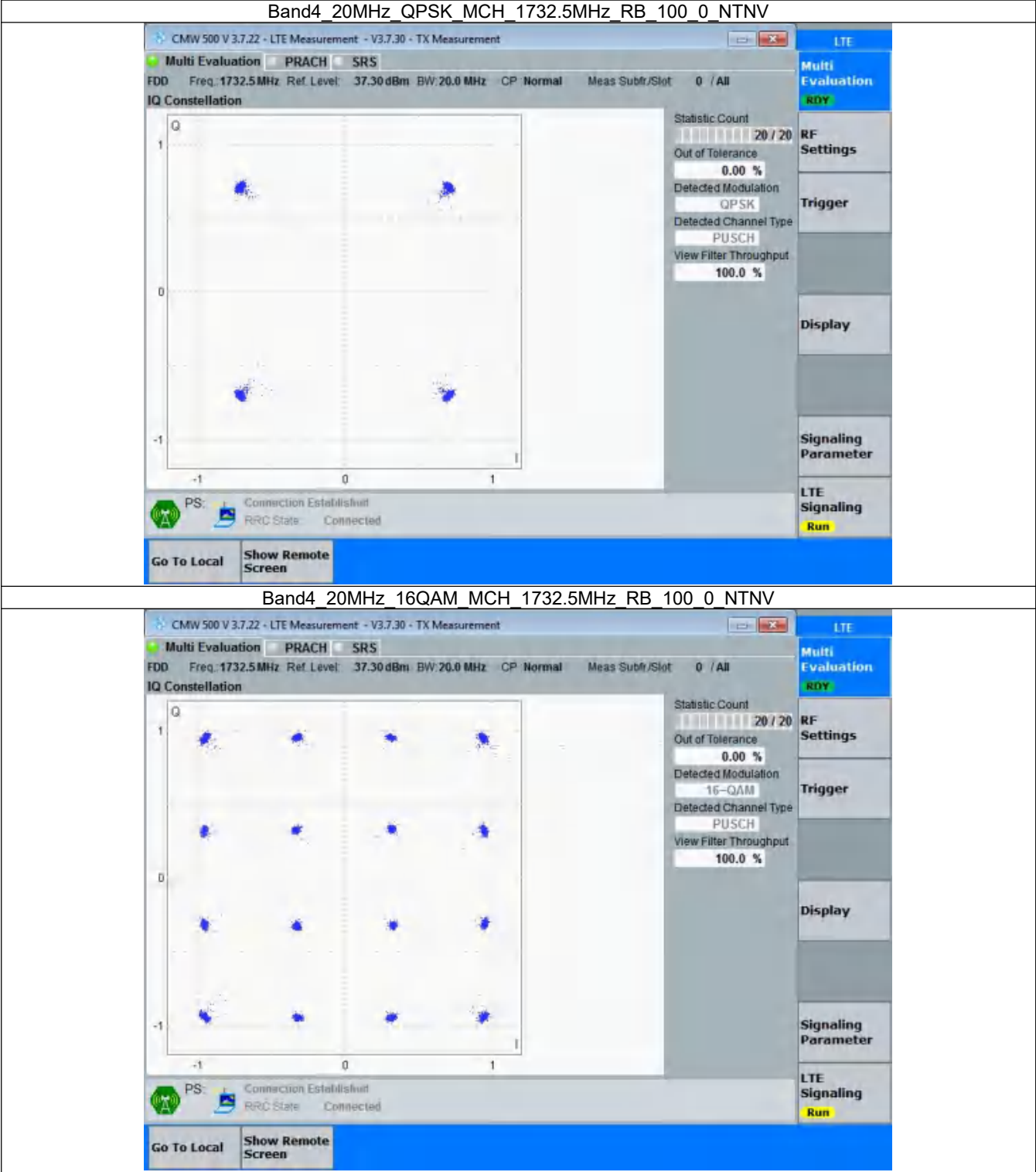


3.6 B4_20MHz

3.6.1 Test Result

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

3.6.2 Test Graph



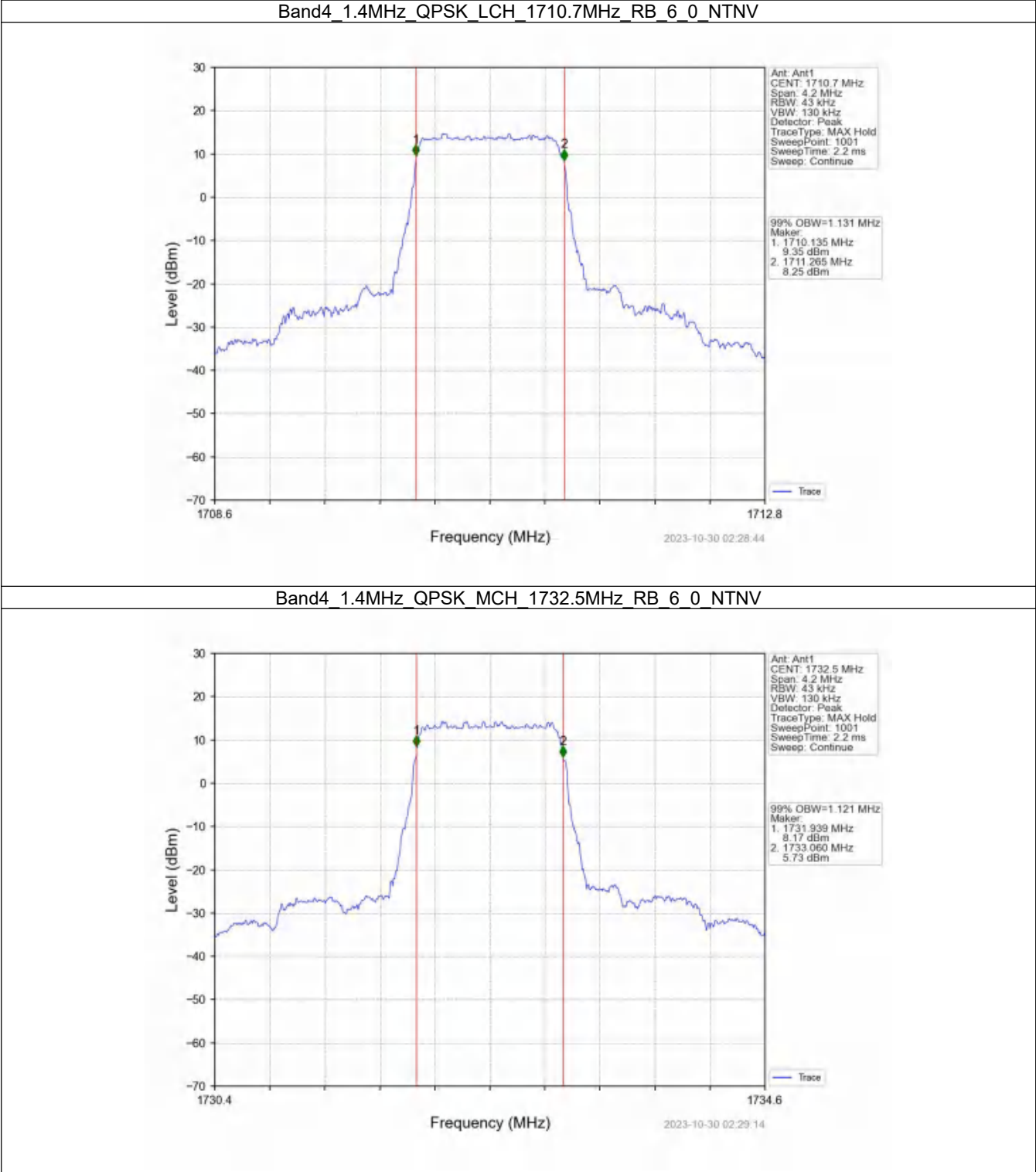
4. 99% & 26dB Bandwidth

4.1 Band4_OBW

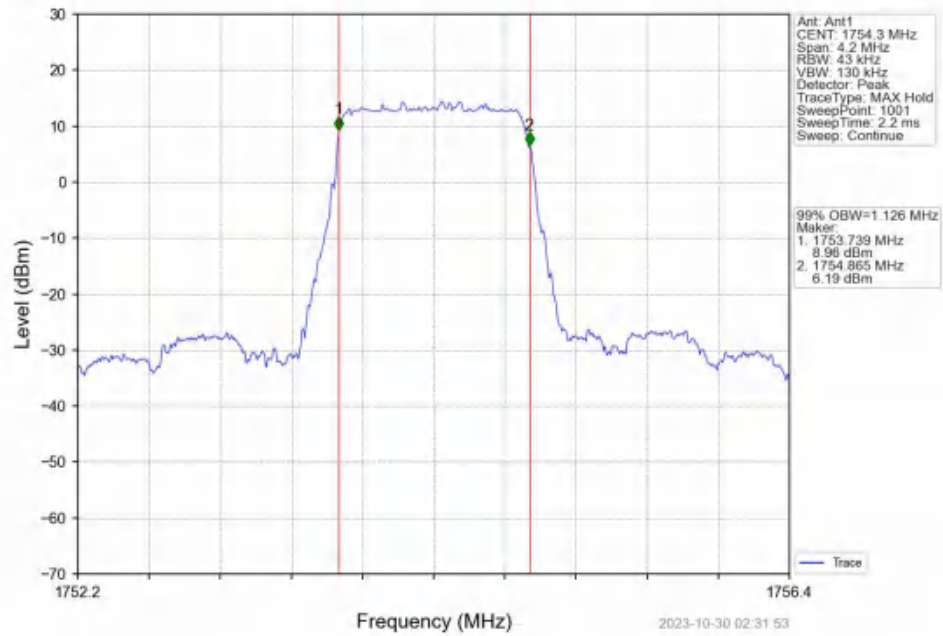
4.1.1 Test Result

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	1.131	/	Pass
		1732.5	6	0	1.121	/	Pass
		1754.3	6	0	1.126	/	Pass
	16QAM	1710.7	6	0	1.107	/	Pass
		1732.5	6	0	1.113	/	Pass
		1754.3	6	0	1.111	/	Pass
3	QPSK	1711.5	15	0	2.746	/	Pass
		1732.5	15	0	2.746	/	Pass
		1753.5	15	0	2.745	/	Pass
	16QAM	1711.5	15	0	2.743	/	Pass
		1732.5	15	0	2.737	/	Pass
		1753.5	15	0	2.772	/	Pass
5	QPSK	1712.5	25	0	4.545	/	Pass
		1732.5	25	0	4.550	/	Pass
		1752.5	25	0	4.559	/	Pass
	16QAM	1712.5	25	0	4.544	/	Pass
		1732.5	25	0	4.576	/	Pass
		1752.5	25	0	4.547	/	Pass
10	QPSK	1715	50	0	9.035	/	Pass
		1732.5	50	0	9.026	/	Pass
		1750	50	0	9.057	/	Pass
	16QAM	1715	50	0	9.042	/	Pass
		1732.5	50	0	9.010	/	Pass
		1750	50	0	9.041	/	Pass
15	QPSK	1717.5	75	0	13.529	/	Pass
		1732.5	75	0	13.484	/	Pass
		1747.5	75	0	13.562	/	Pass
	16QAM	1717.5	75	0	13.535	/	Pass
		1732.5	75	0	13.552	/	Pass
		1747.5	75	0	13.563	/	Pass
20	QPSK	1720	100	0	18.079	/	Pass
		1732.5	100	0	18.007	/	Pass
		1745	100	0	18.040	/	Pass
	16QAM	1720	100	0	18.110	/	Pass
		1732.5	100	0	17.986	/	Pass
		1745	100	0	18.141	/	Pass

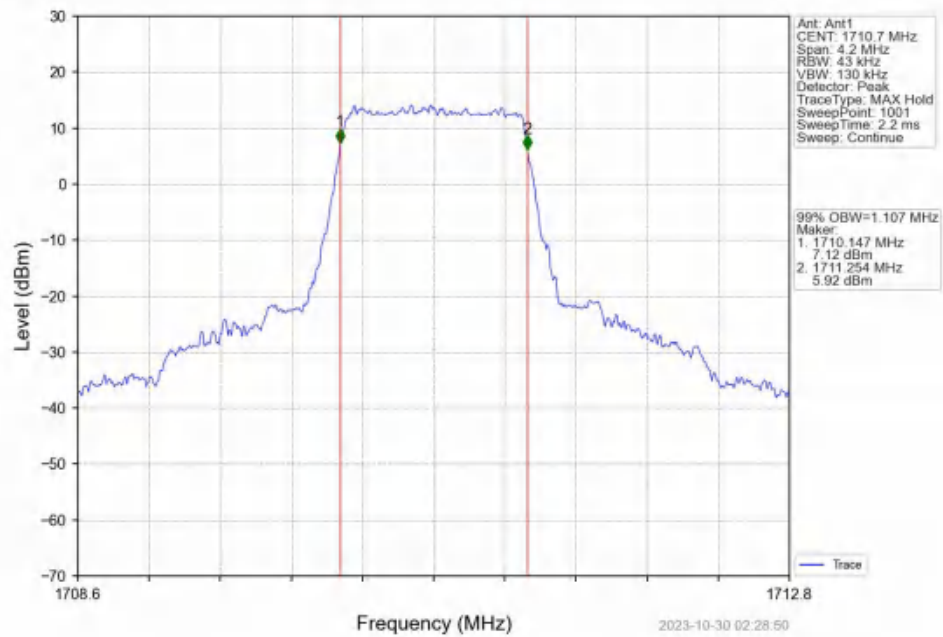
4.1.2 Test Graph



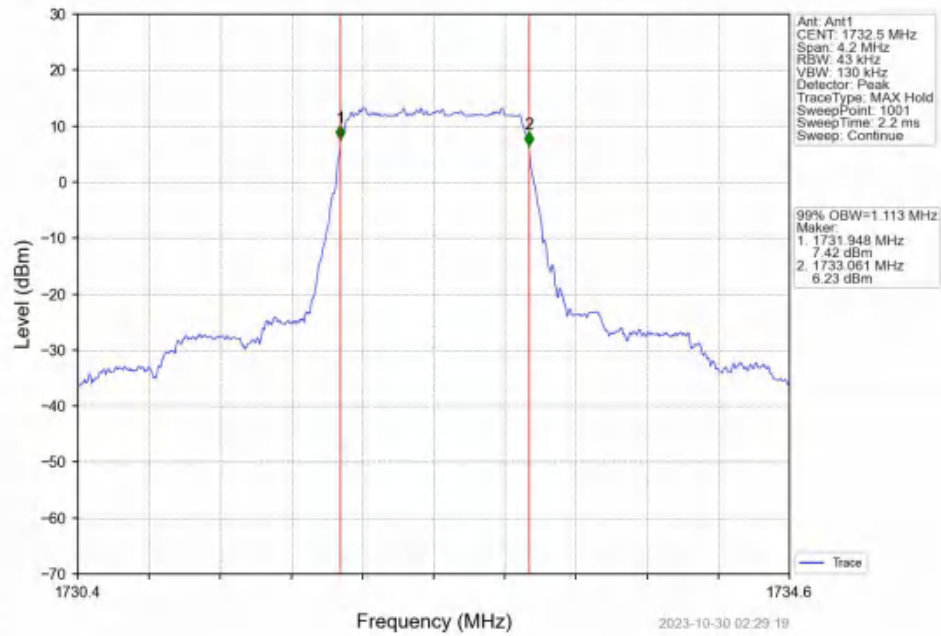
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



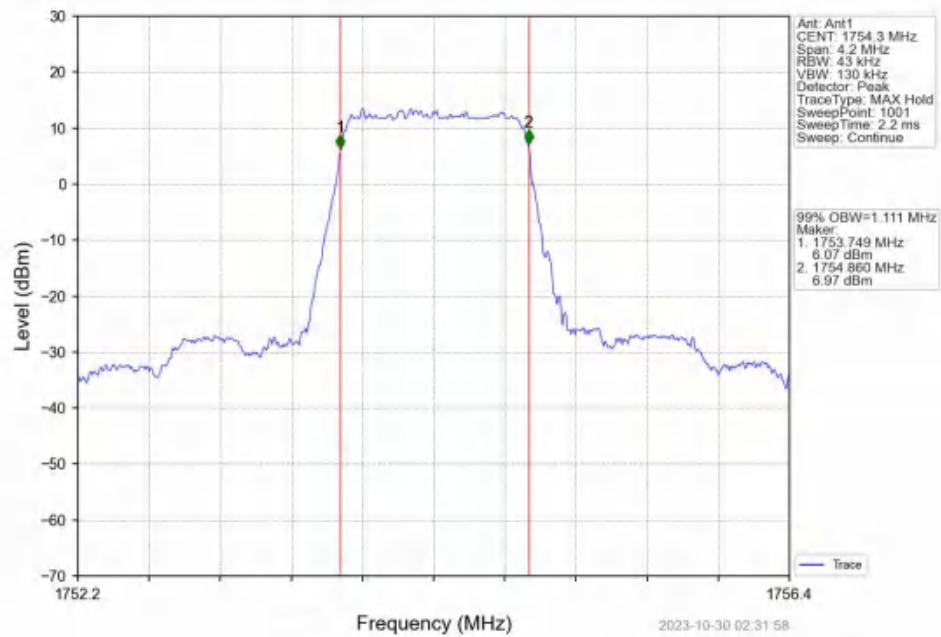
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



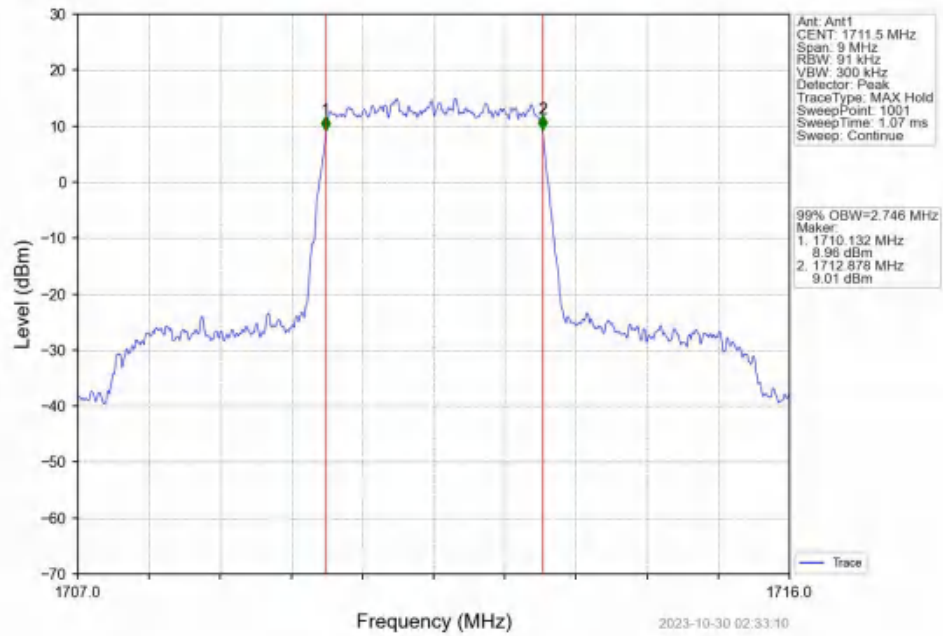
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



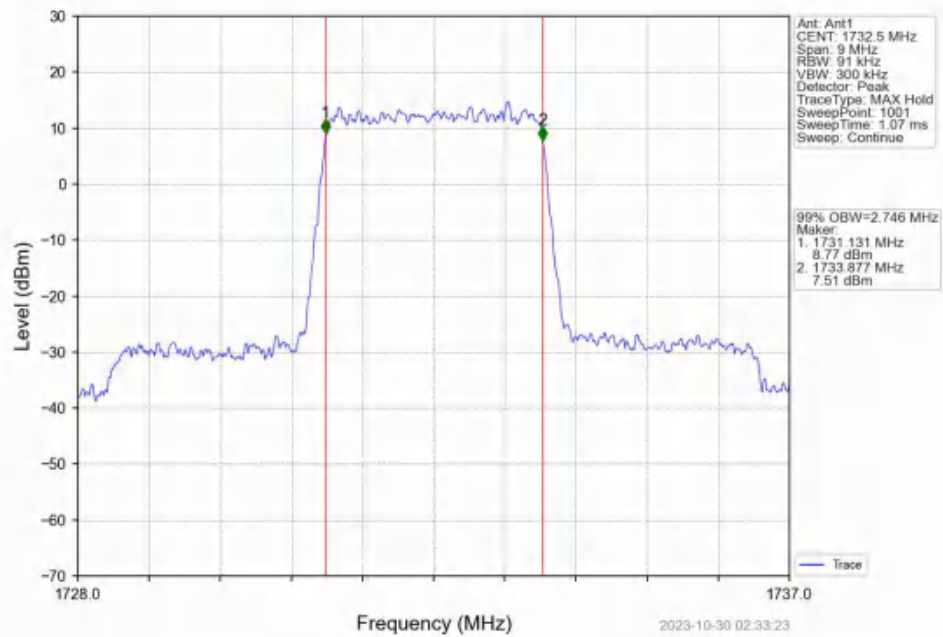
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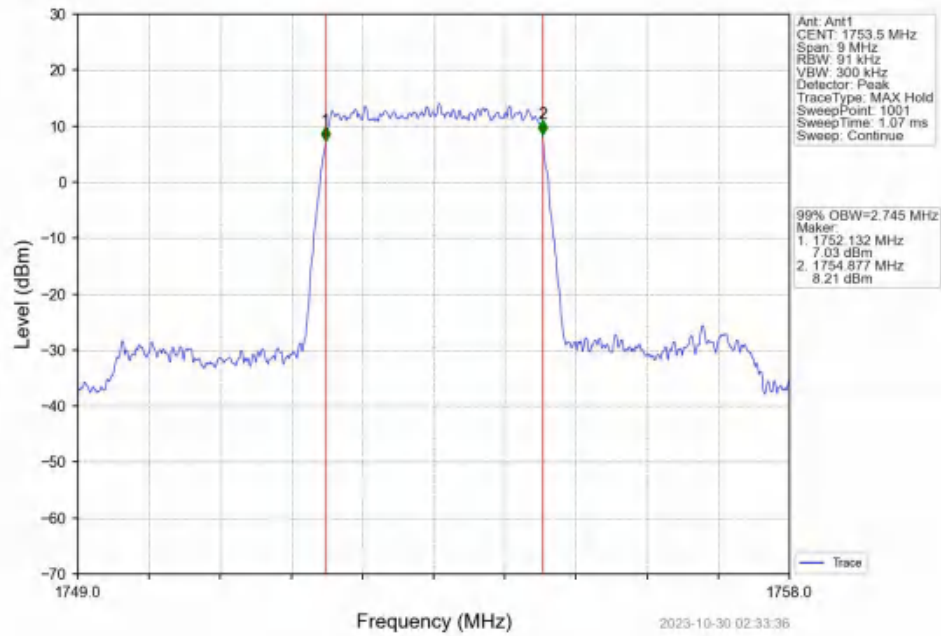
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



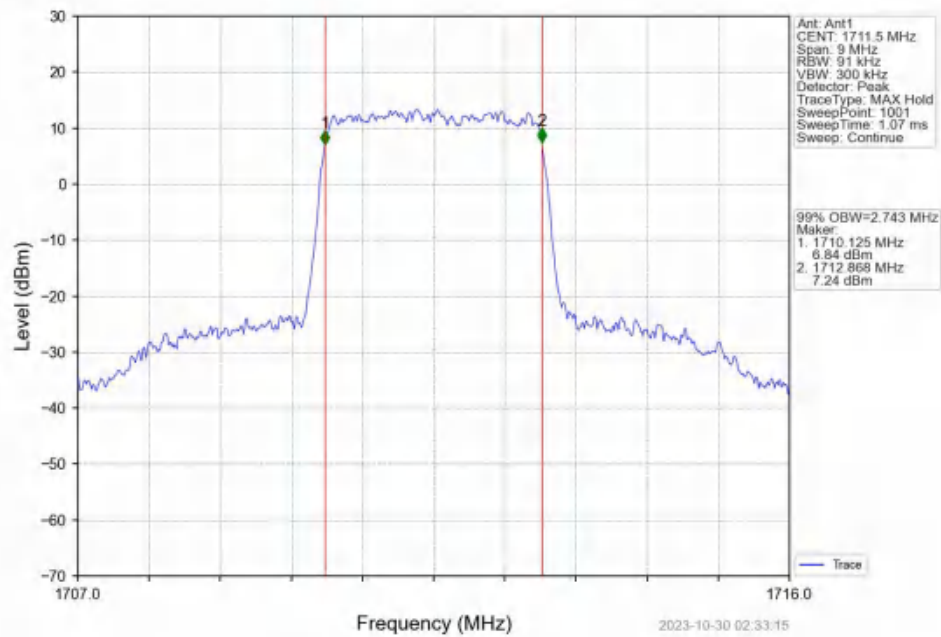
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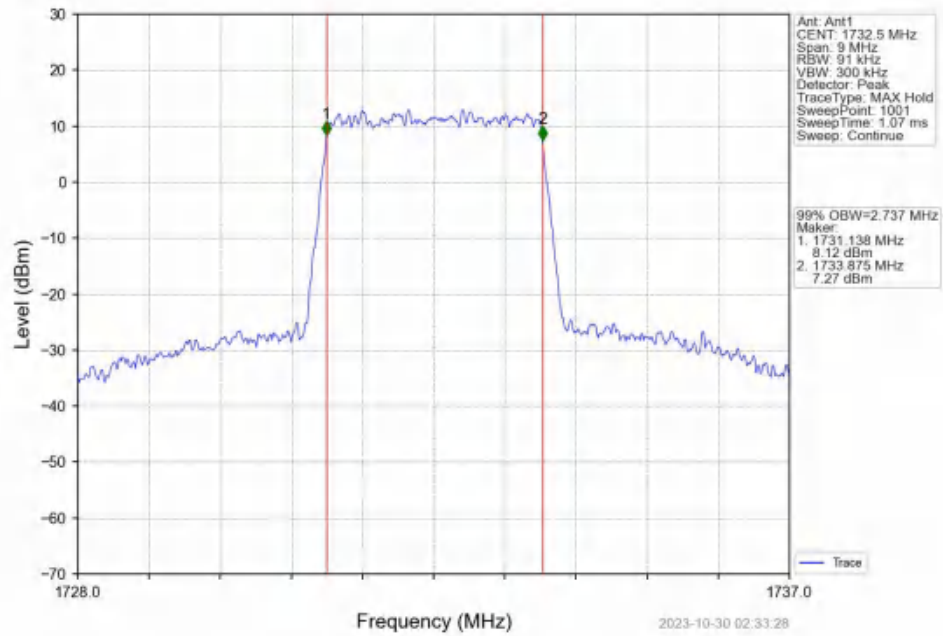
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



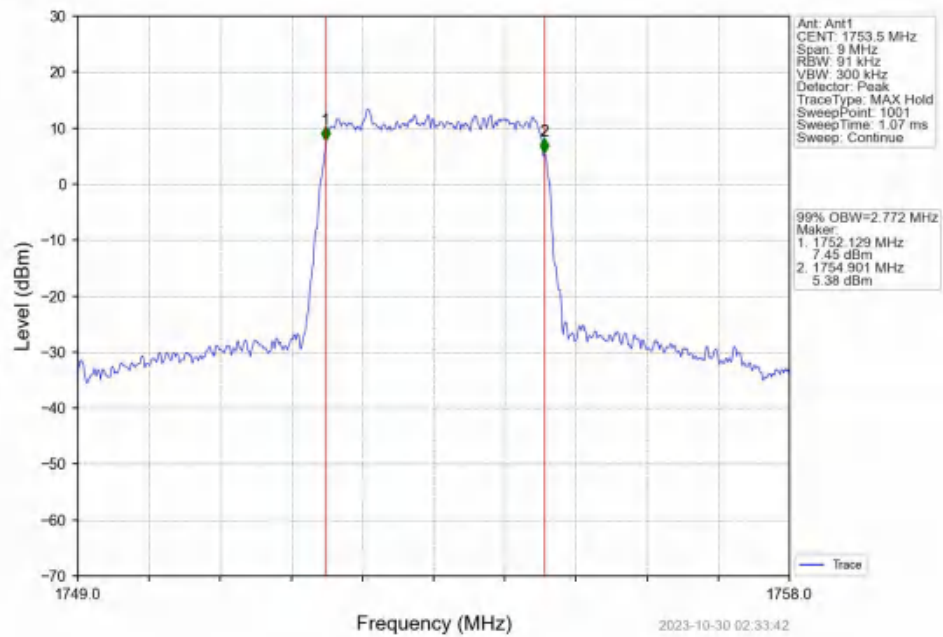
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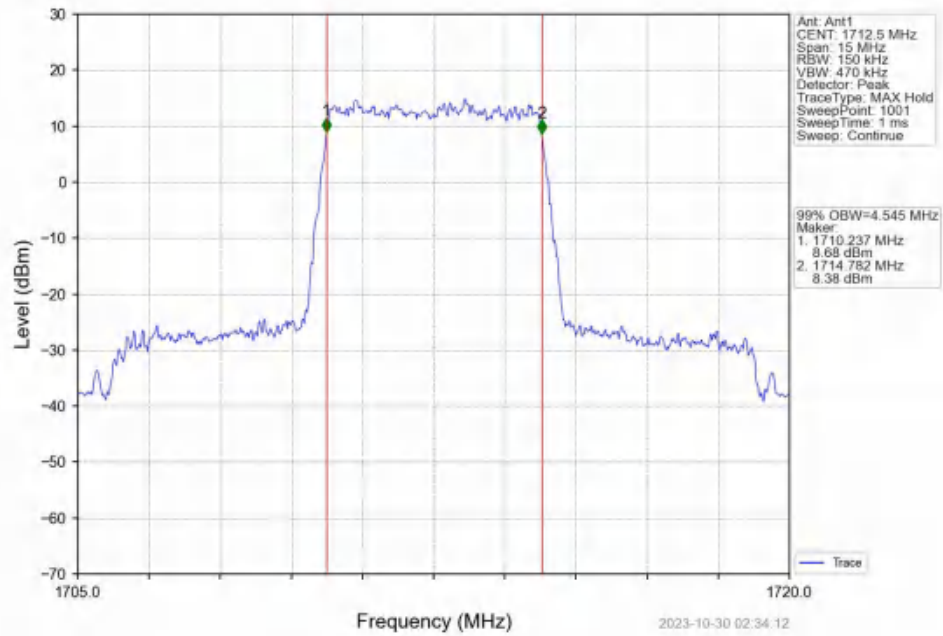
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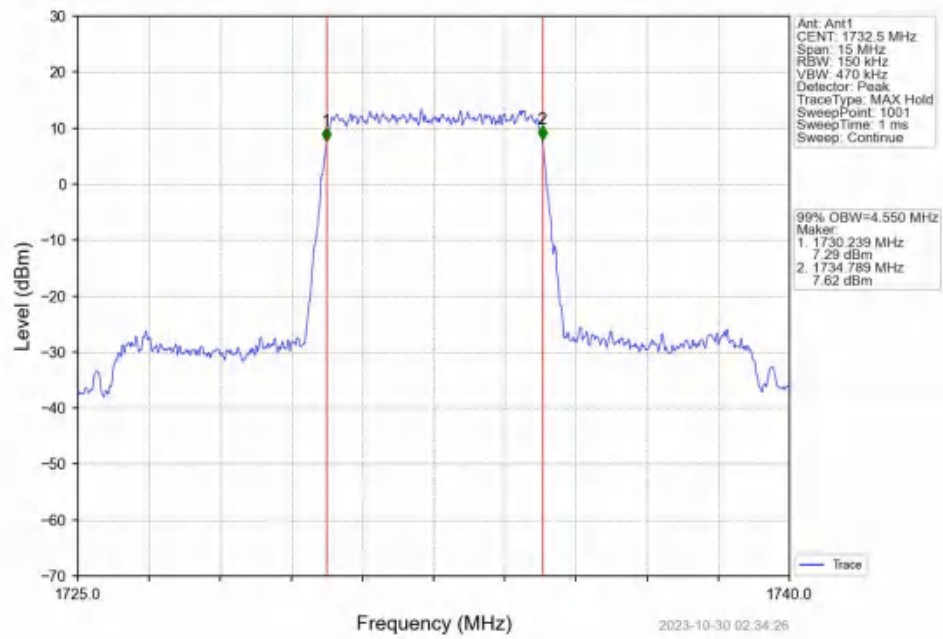
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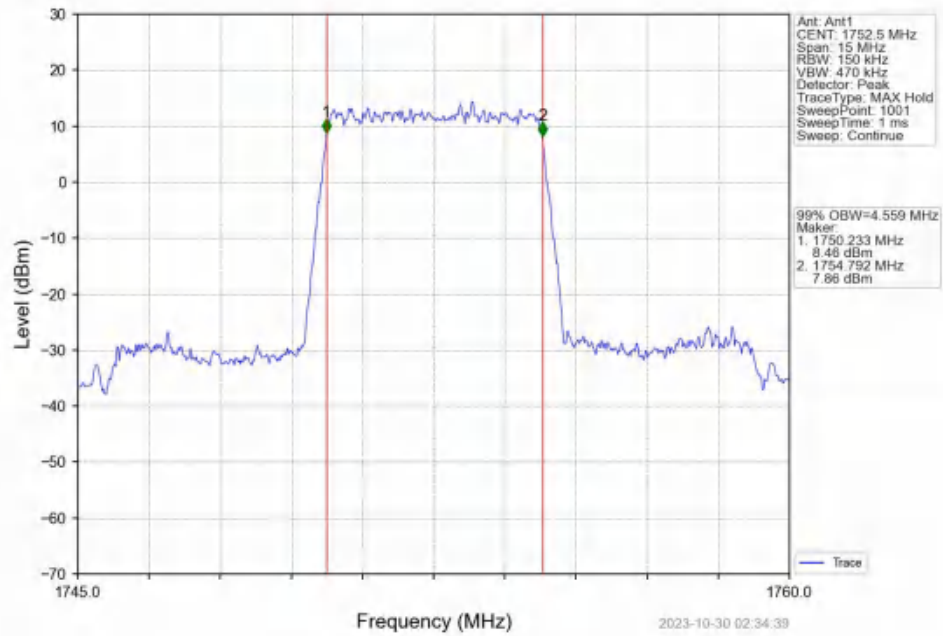
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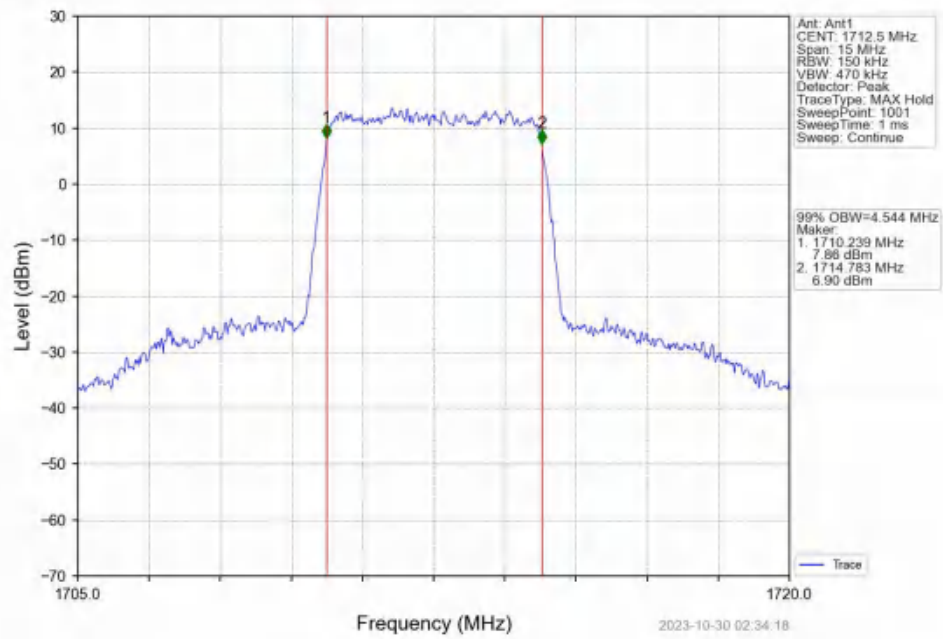
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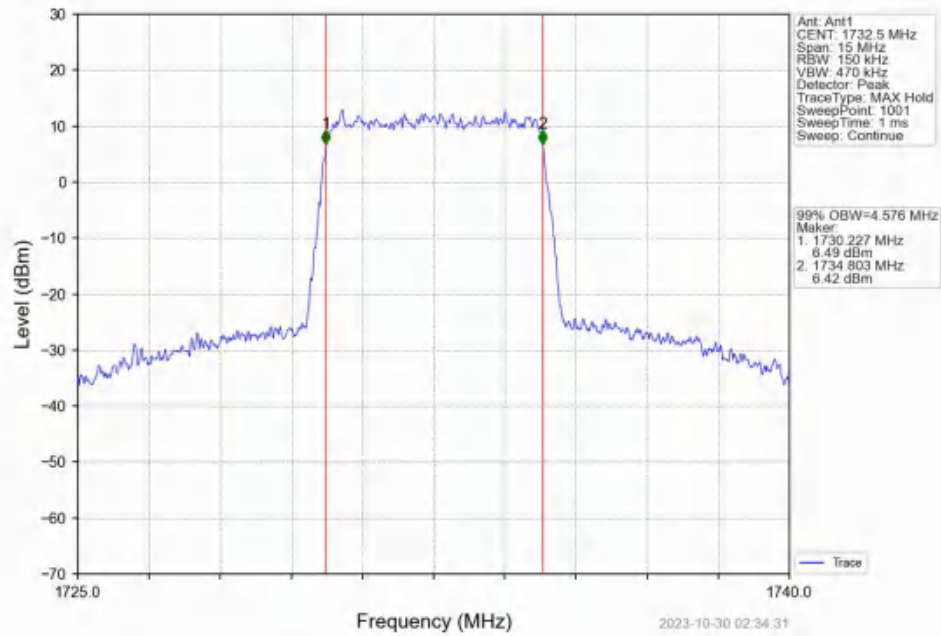
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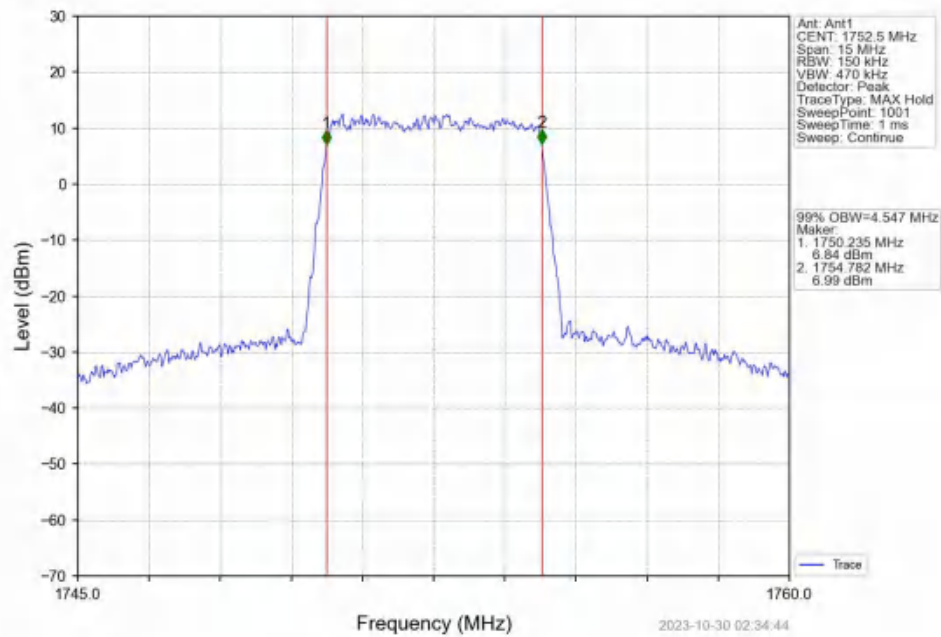
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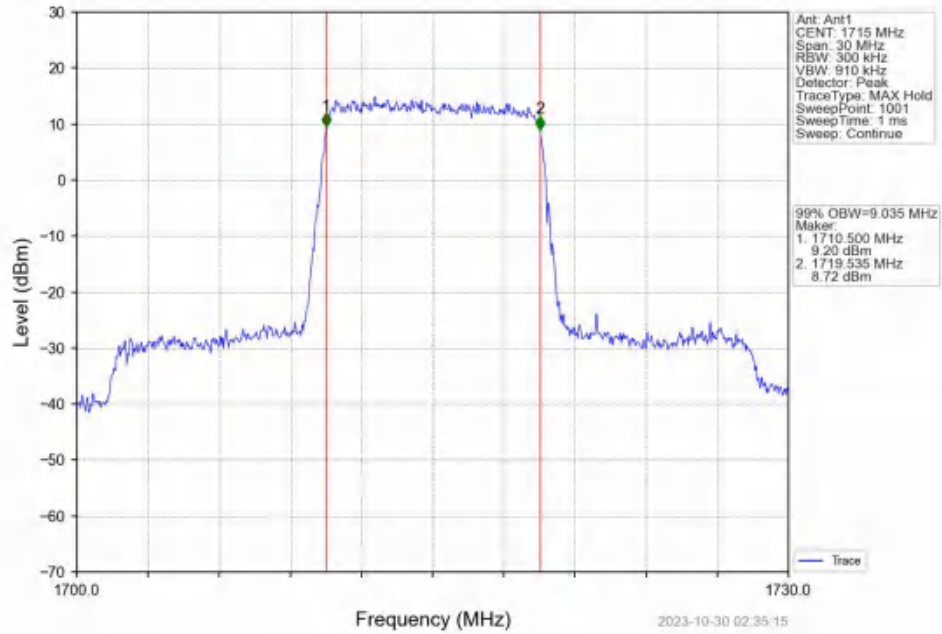
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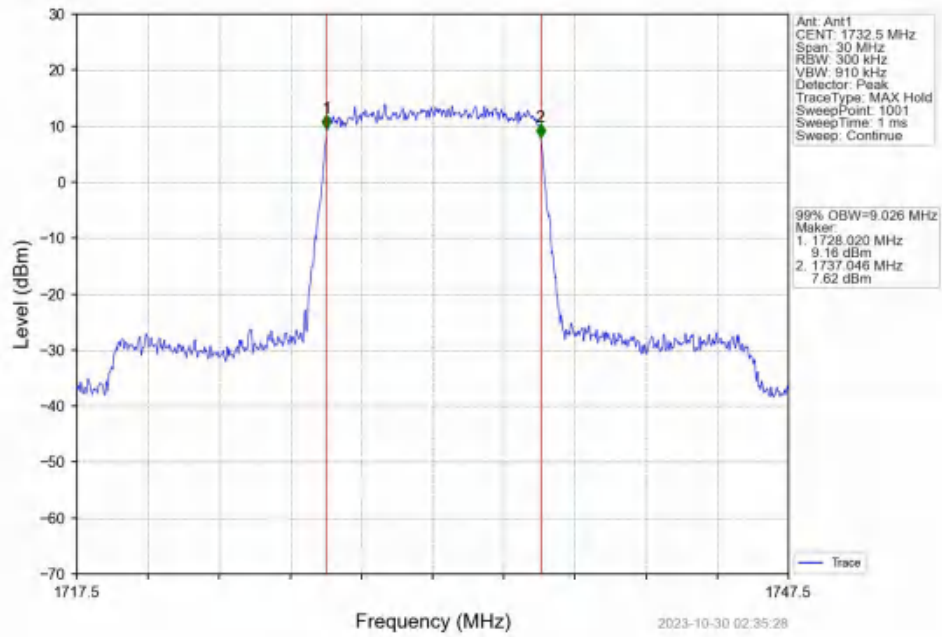
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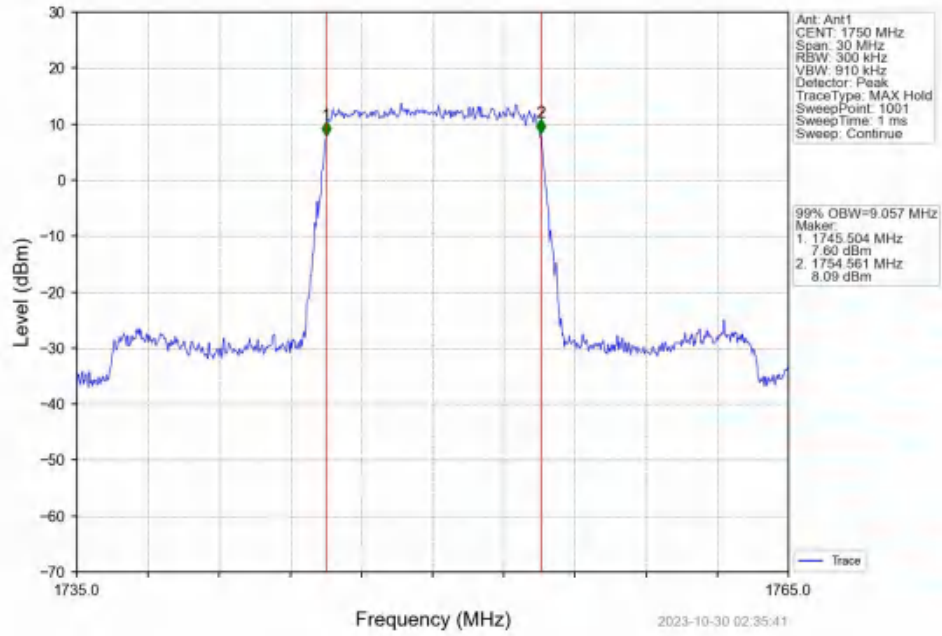
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



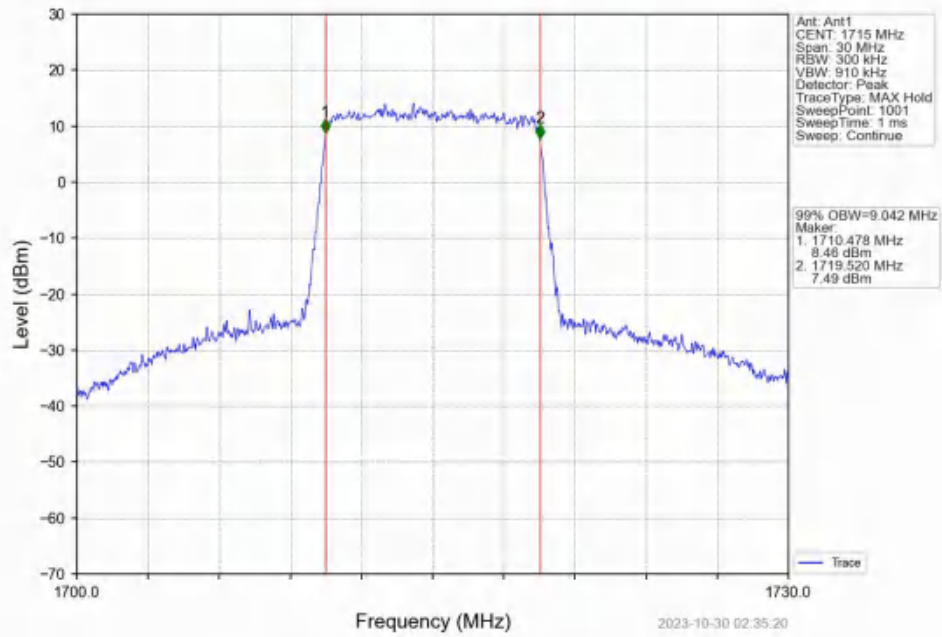
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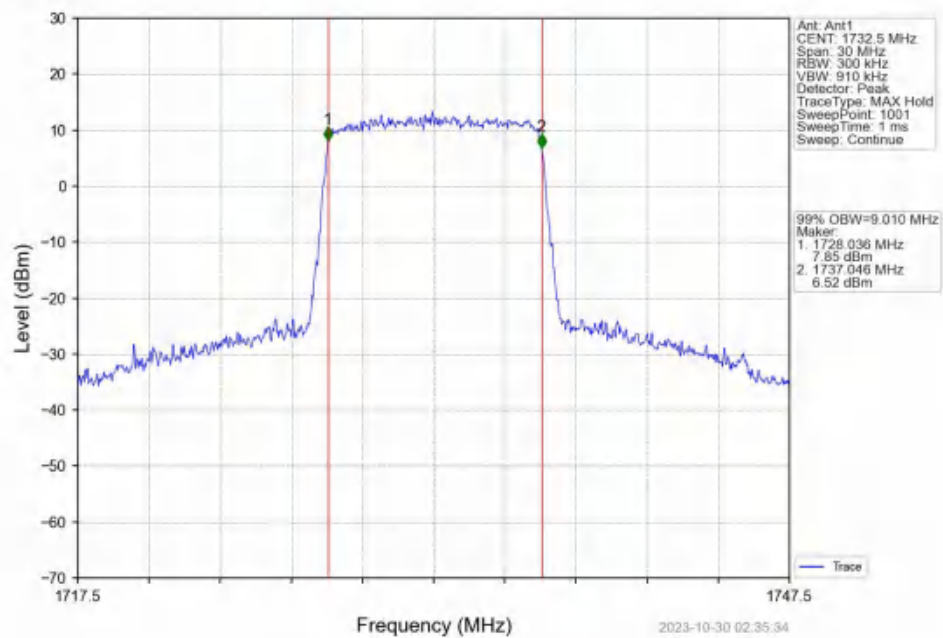
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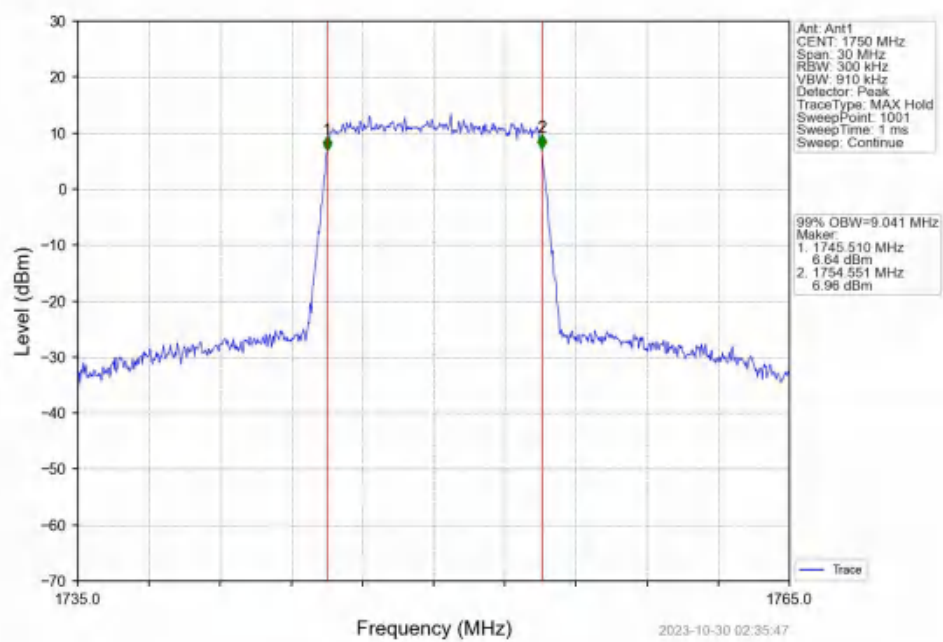
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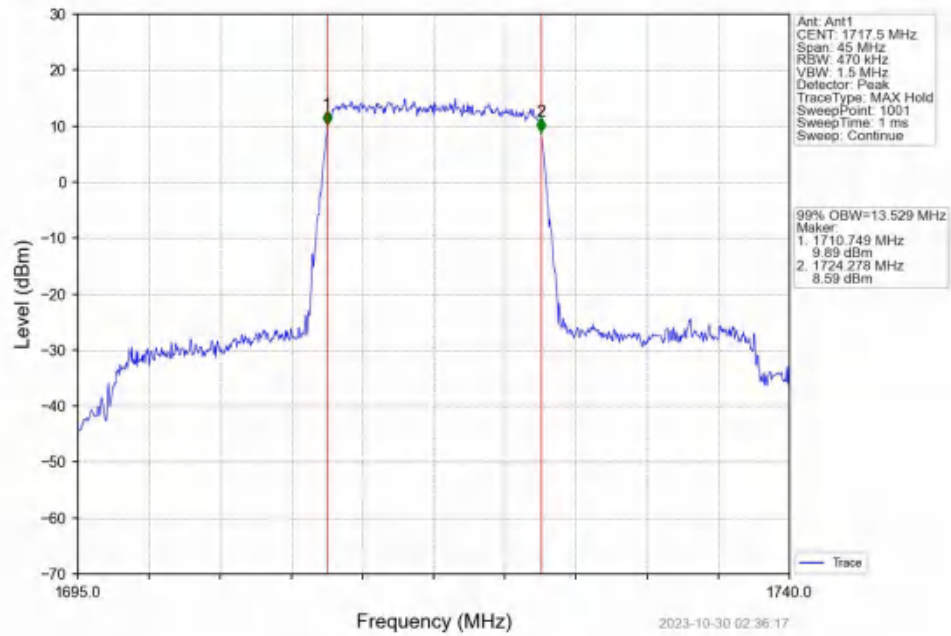
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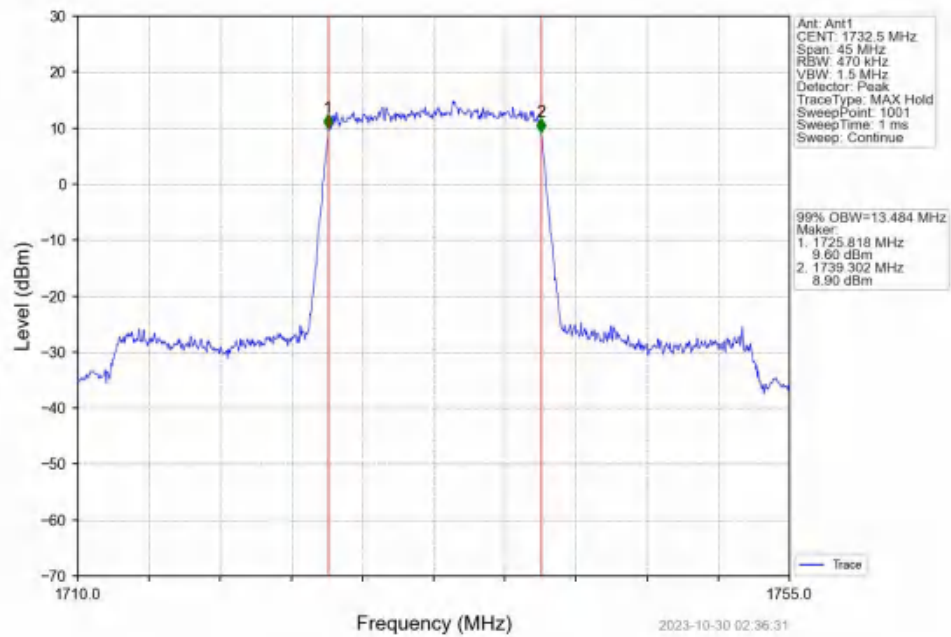
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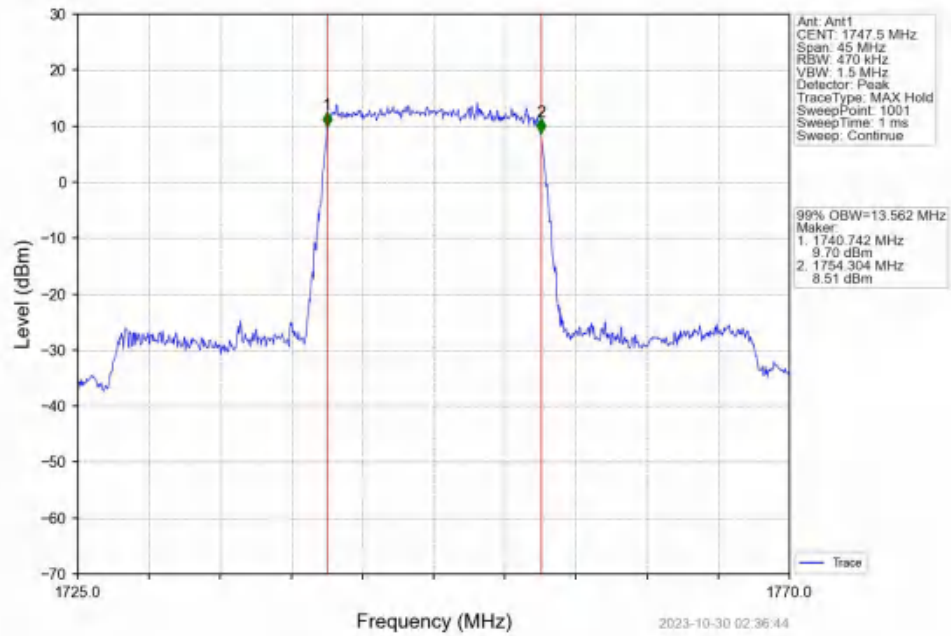
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



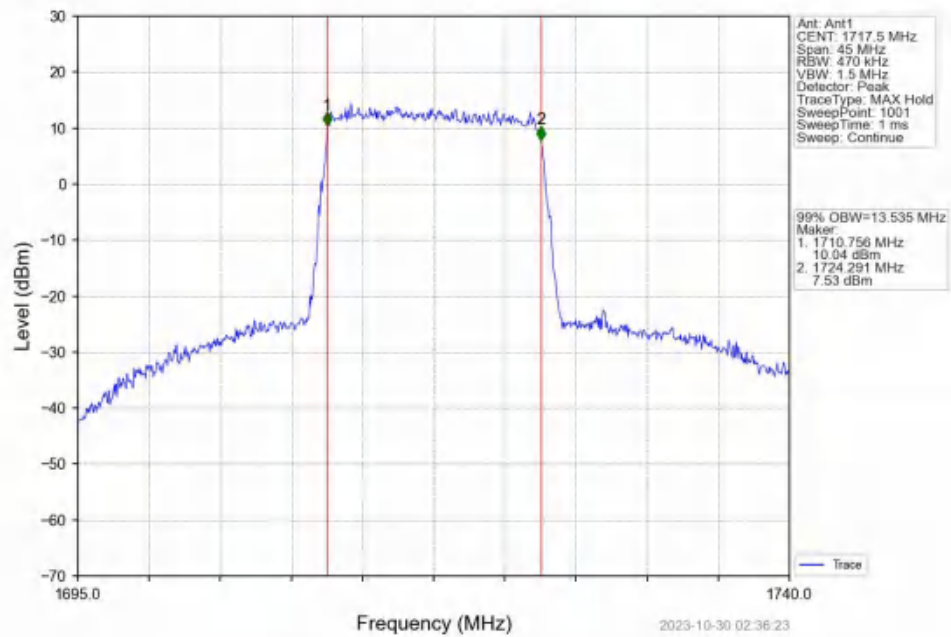
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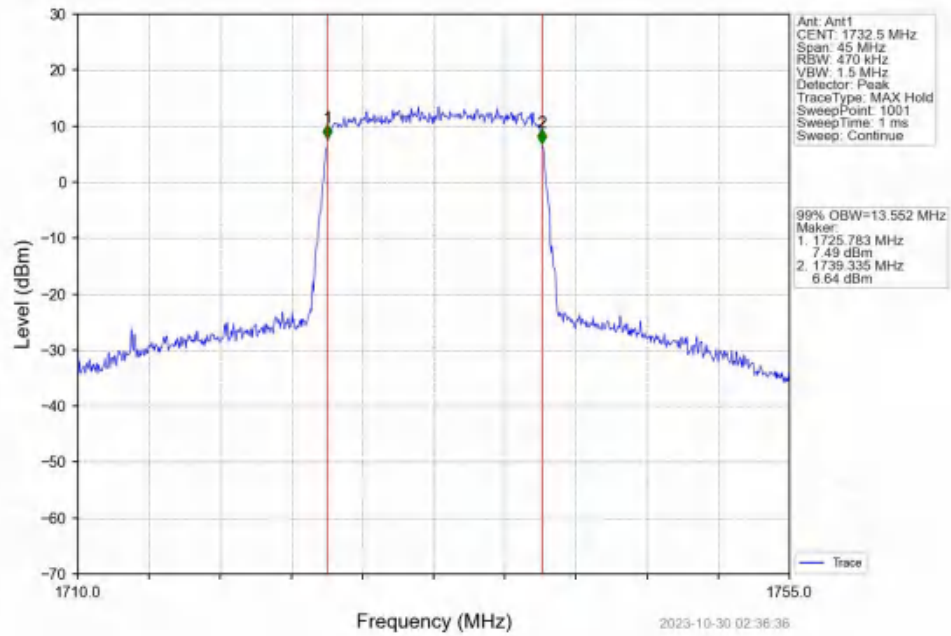
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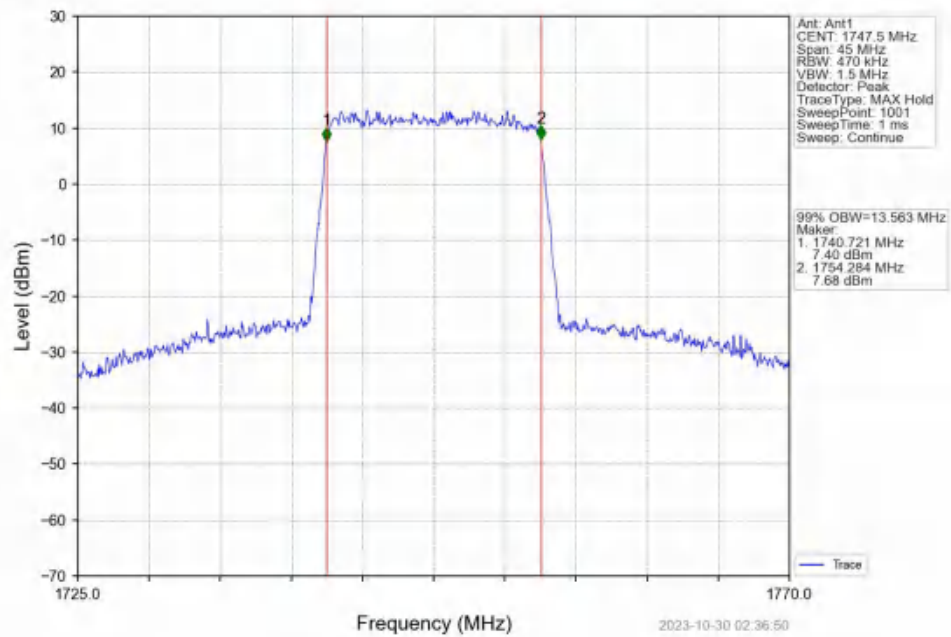
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



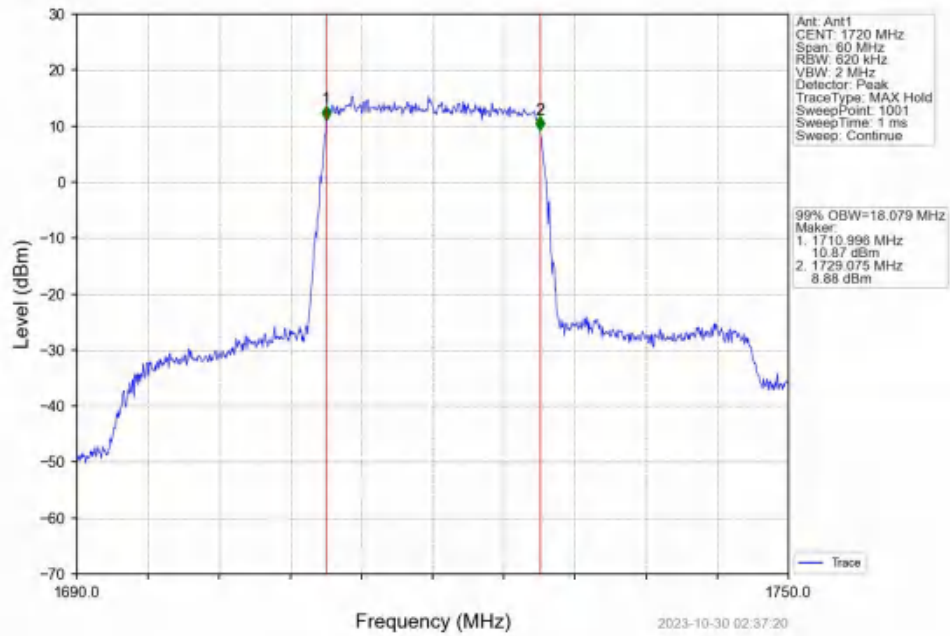
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



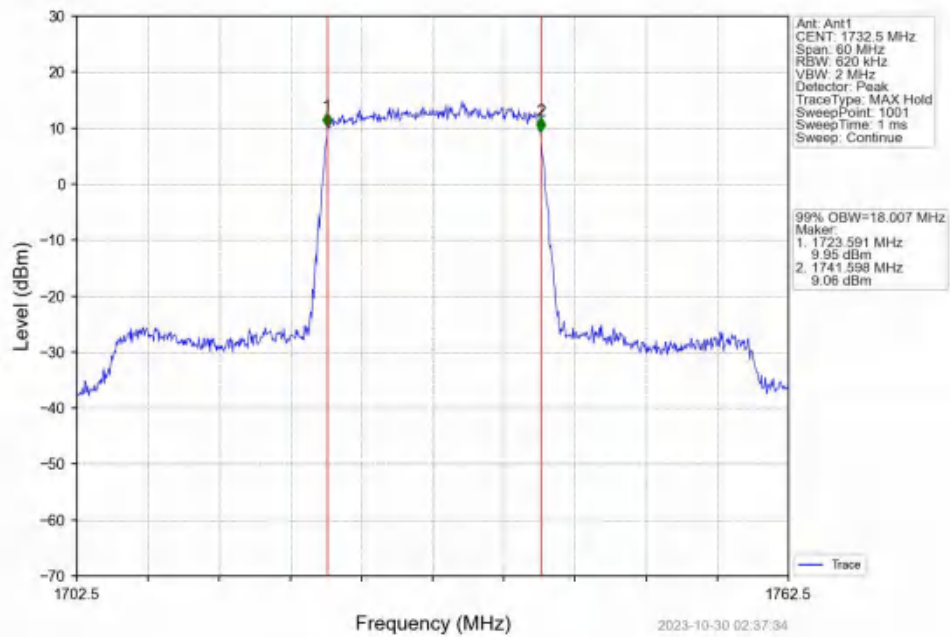
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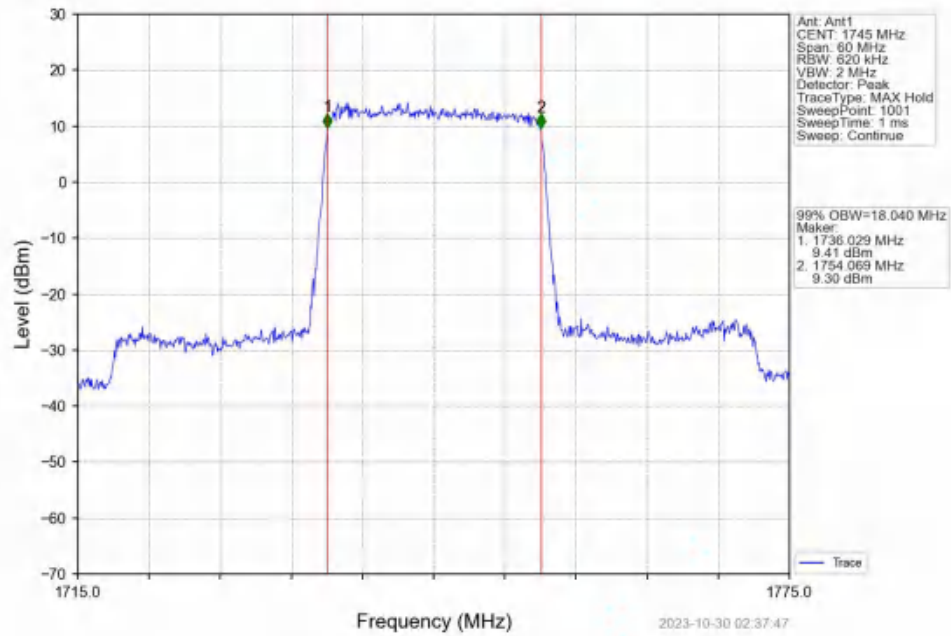
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



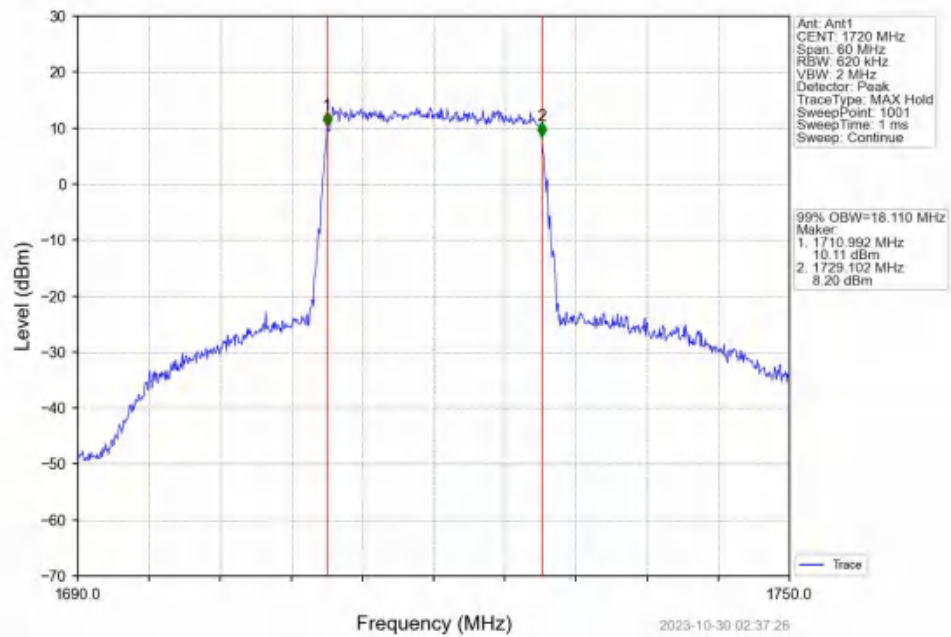
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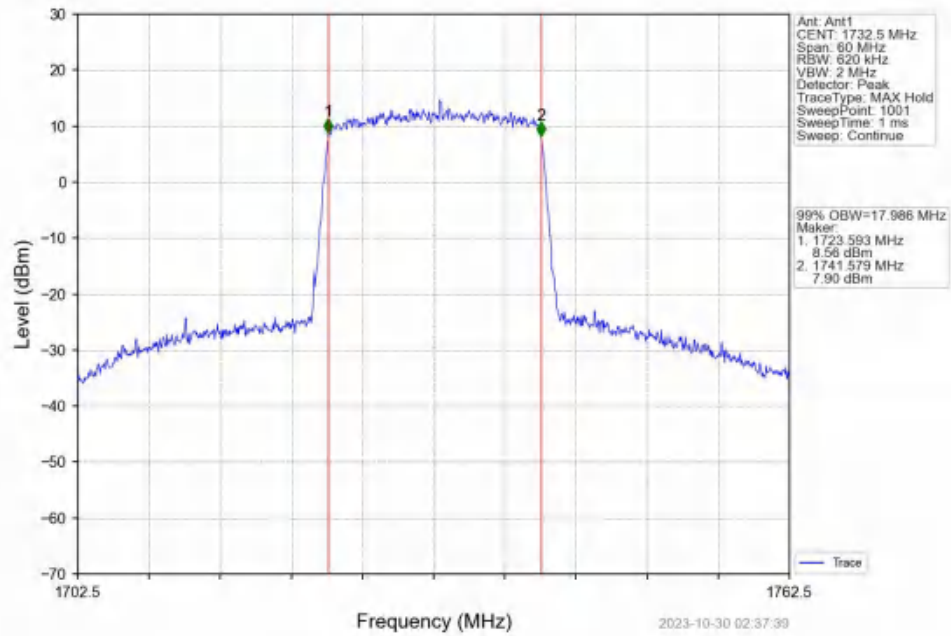
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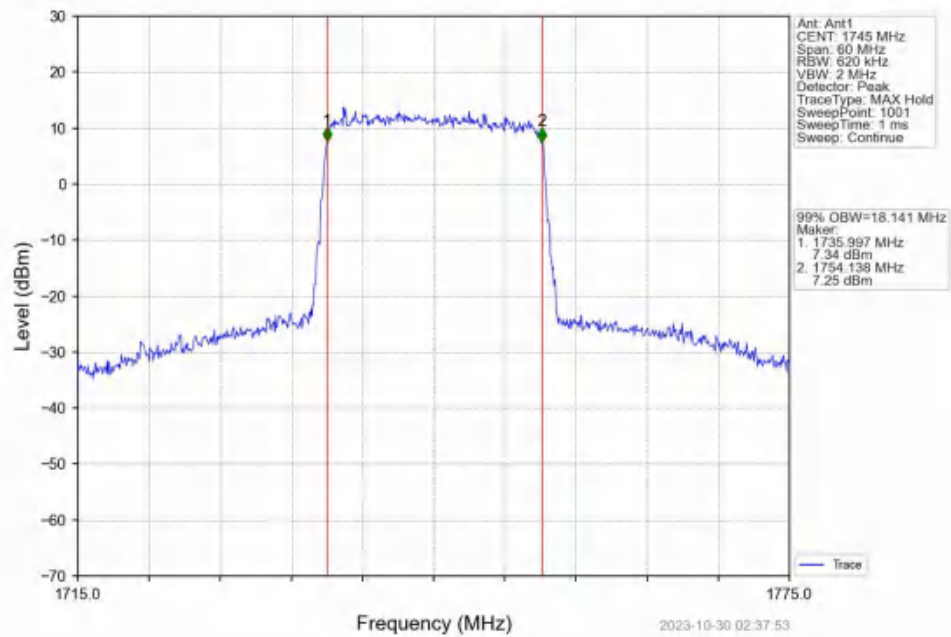
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

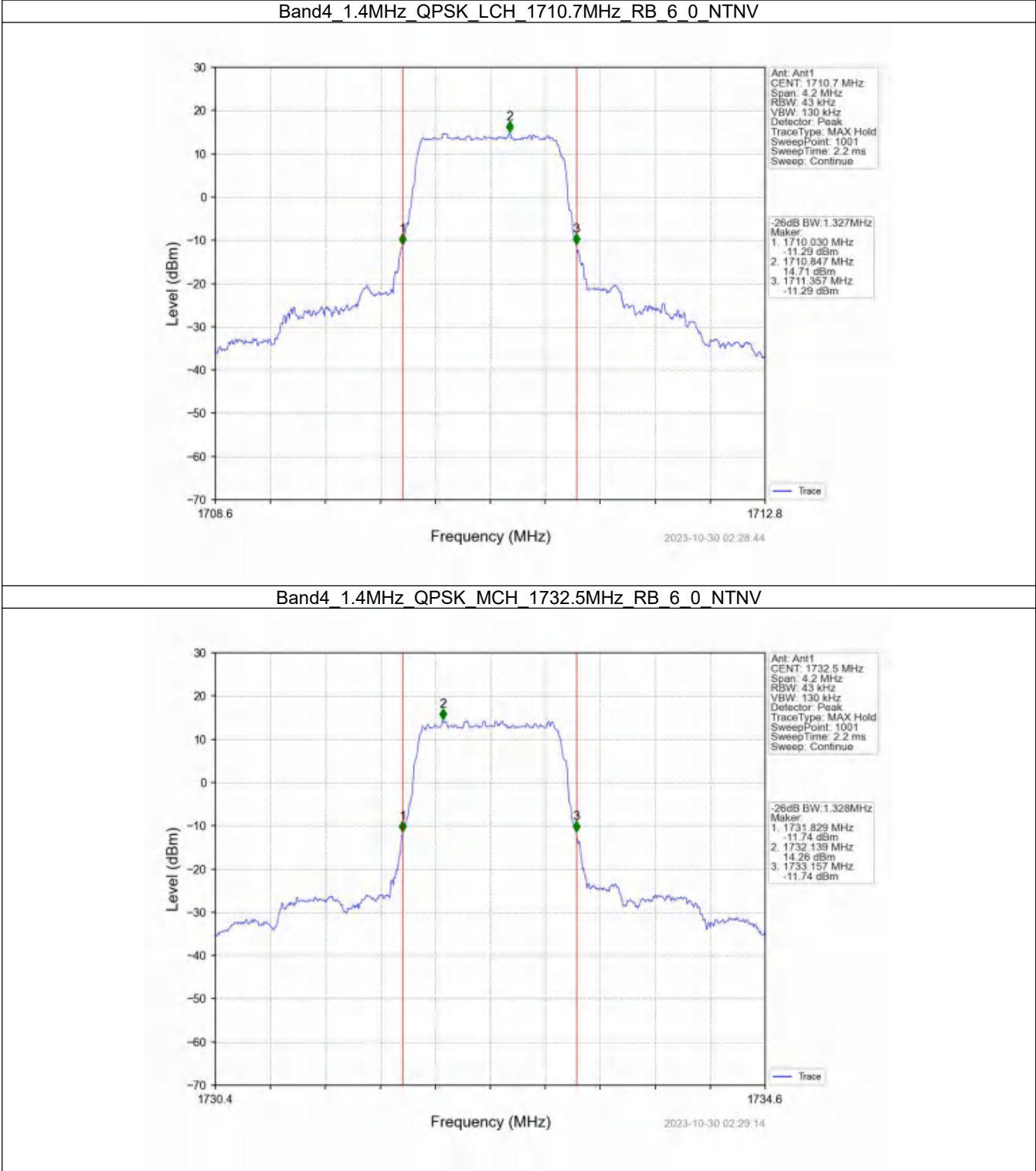


4.2 Band4_XDB

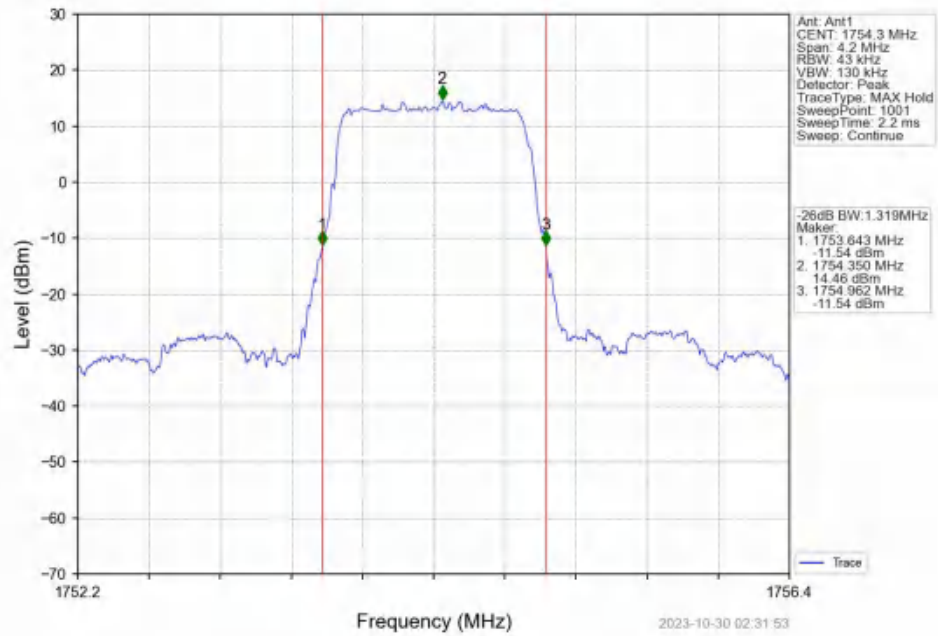
4.2.1 Test Result

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	1.327	/	Pass
		1732.5	6	0	1.328	/	Pass
		1754.3	6	0	1.319	/	Pass
	16QAM	1710.7	6	0	1.347	/	Pass
		1732.5	6	0	1.329	/	Pass
		1754.3	6	0	1.338	/	Pass
3	QPSK	1711.5	15	0	3.065	/	Pass
		1732.5	15	0	3.034	/	Pass
		1753.5	15	0	3.061	/	Pass
	16QAM	1711.5	15	0	3.042	/	Pass
		1732.5	15	0	3.058	/	Pass
		1753.5	15	0	3.035	/	Pass
5	QPSK	1712.5	25	0	5.105	/	Pass
		1732.5	25	0	5.121	/	Pass
		1752.5	25	0	5.078	/	Pass
	16QAM	1712.5	25	0	5.114	/	Pass
		1732.5	25	0	5.095	/	Pass
		1752.5	25	0	5.080	/	Pass
10	QPSK	1715	50	0	9.977	/	Pass
		1732.5	50	0	10.008	/	Pass
		1750	50	0	10.083	/	Pass
	16QAM	1715	50	0	10.068	/	Pass
		1732.5	50	0	9.905	/	Pass
		1750	50	0	10.023	/	Pass
15	QPSK	1717.5	75	0	14.979	/	Pass
		1732.5	75	0	14.884	/	Pass
		1747.5	75	0	15.054	/	Pass
	16QAM	1717.5	75	0	14.881	/	Pass
		1732.5	75	0	14.985	/	Pass
		1747.5	75	0	14.993	/	Pass
20	QPSK	1720	100	0	19.884	/	Pass
		1732.5	100	0	19.734	/	Pass
		1745	100	0	19.651	/	Pass
	16QAM	1720	100	0	19.979	/	Pass
		1732.5	100	0	19.594	/	Pass
		1745	100	0	19.706	/	Pass

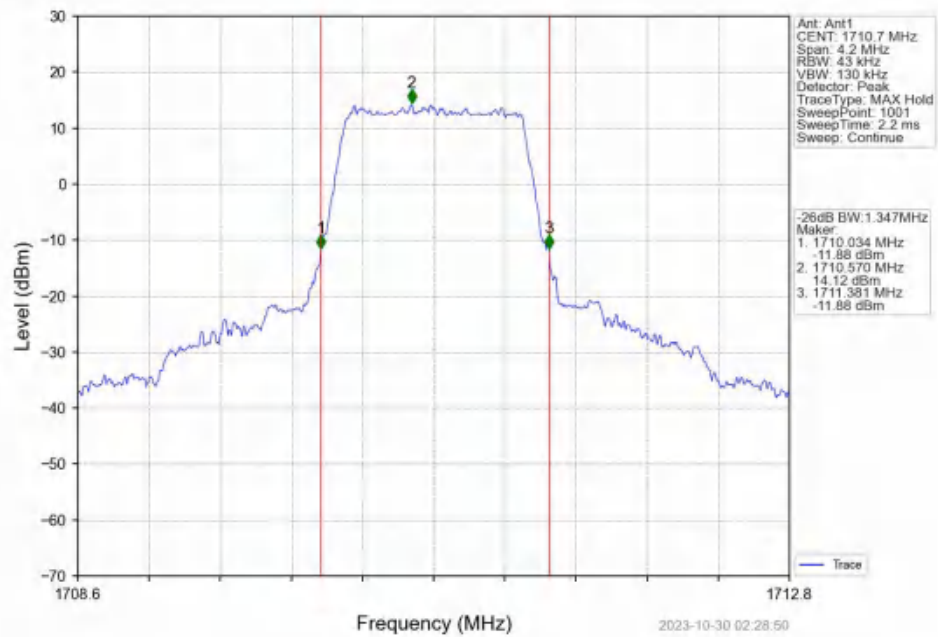
4.2.2 Test Graph



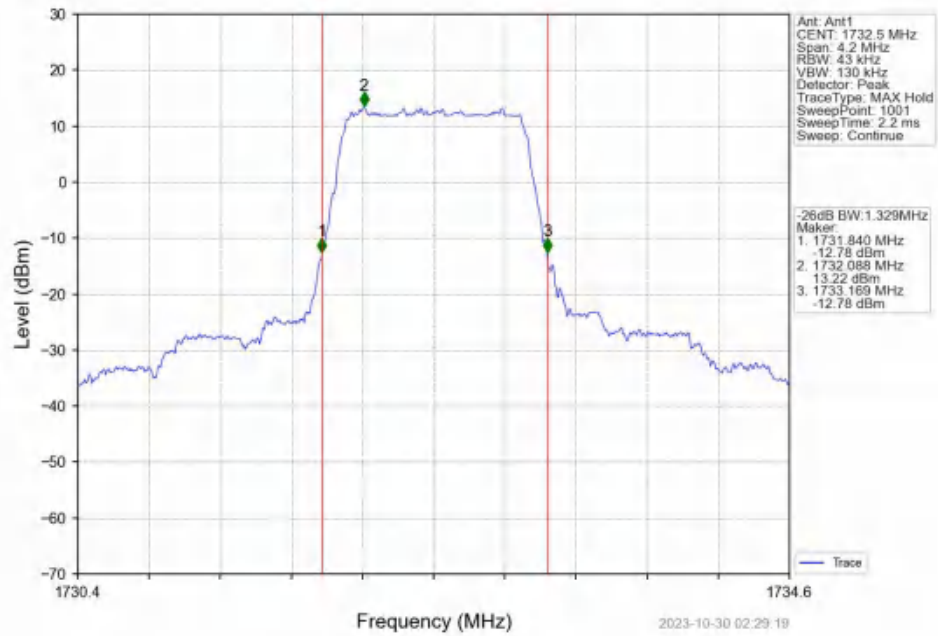
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



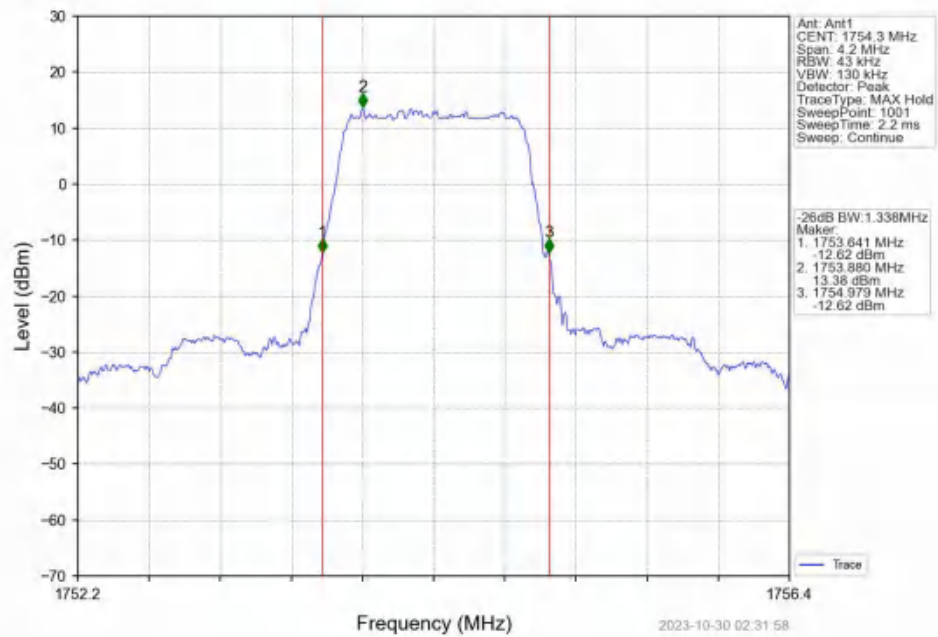
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



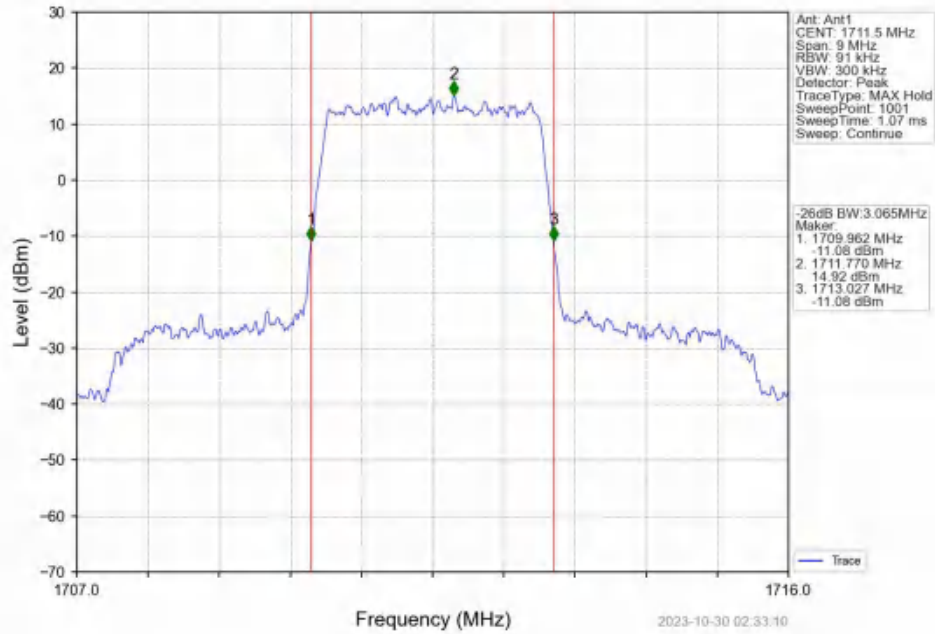
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



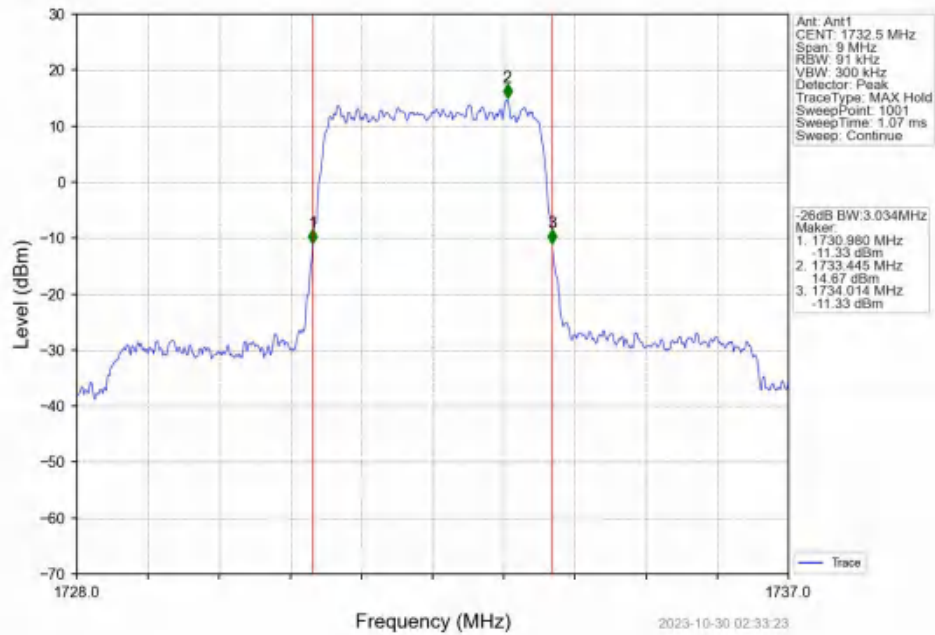
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



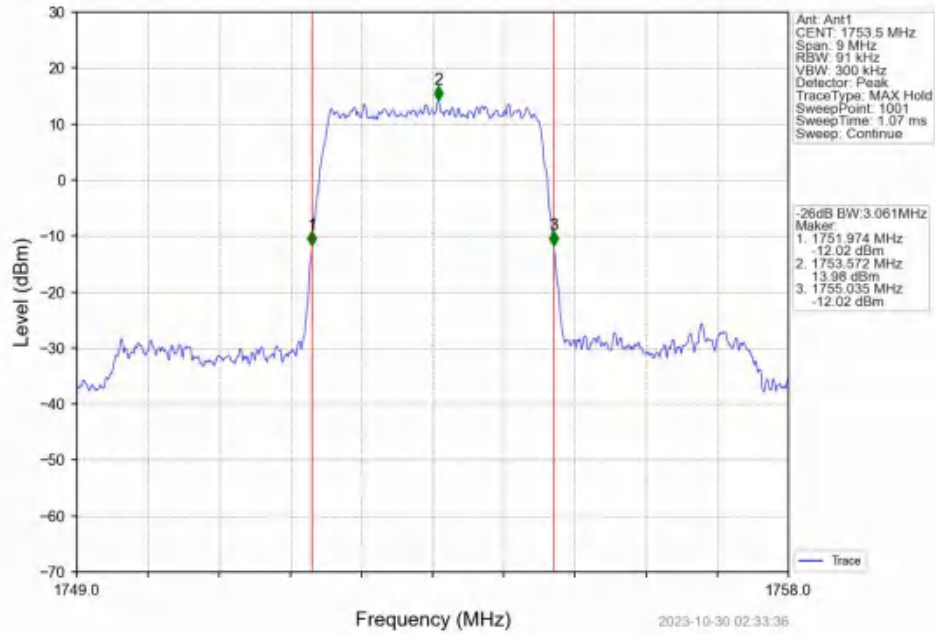
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



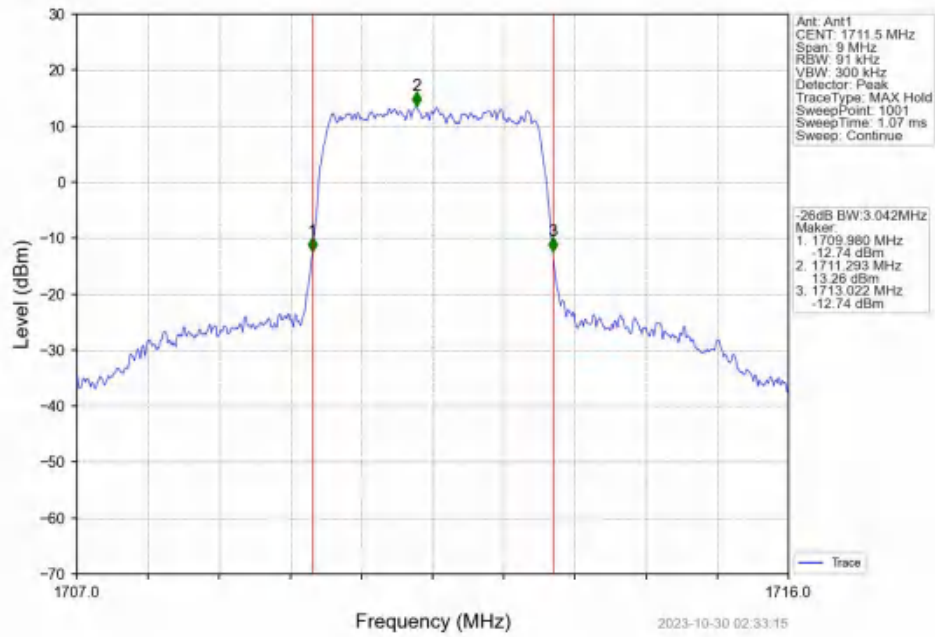
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



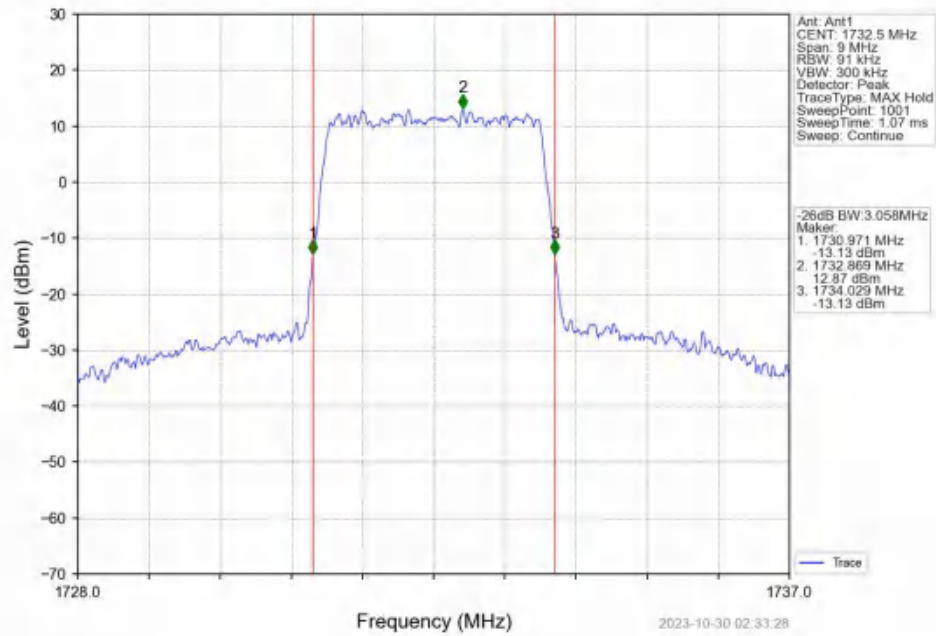
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



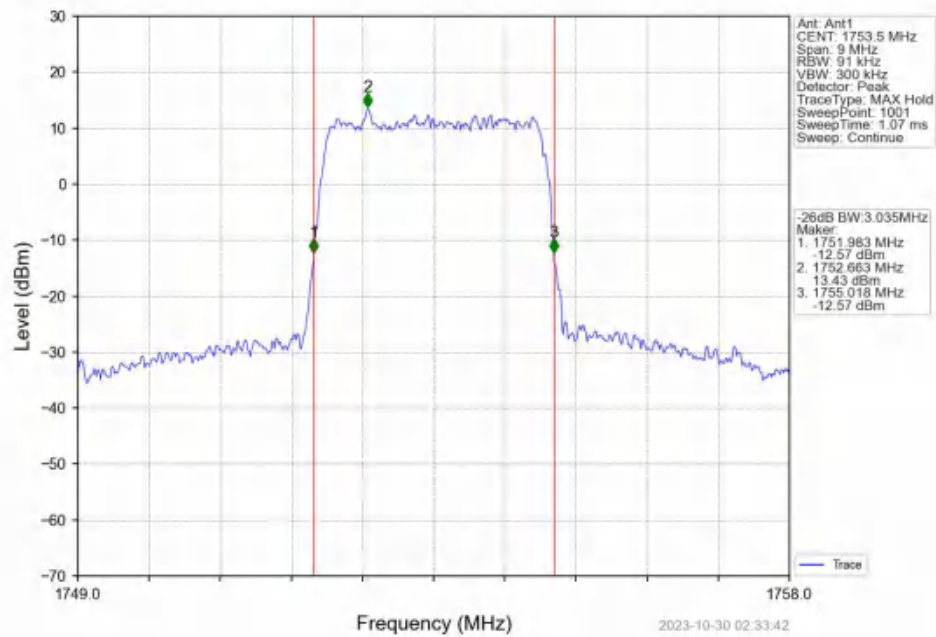
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



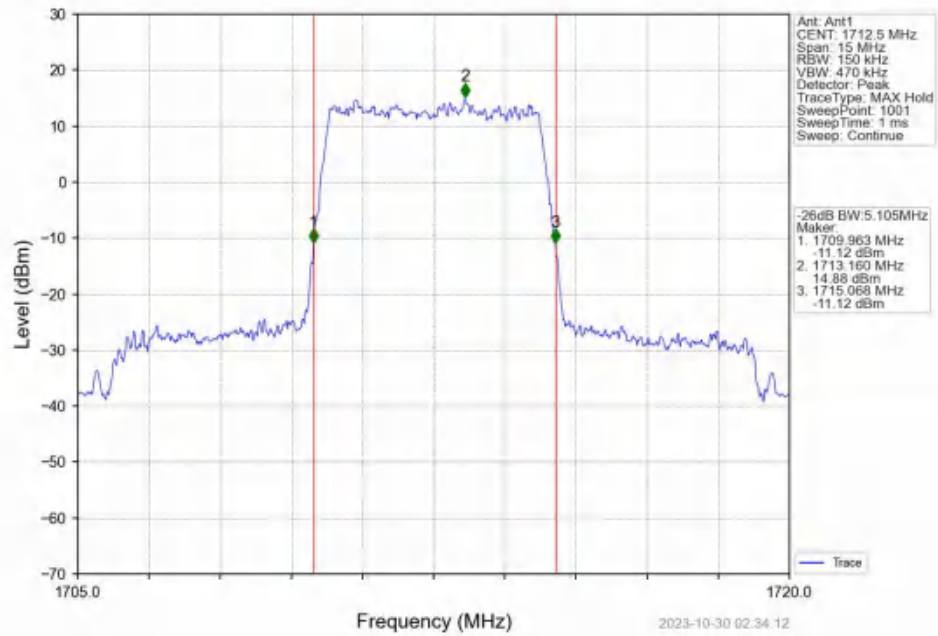
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



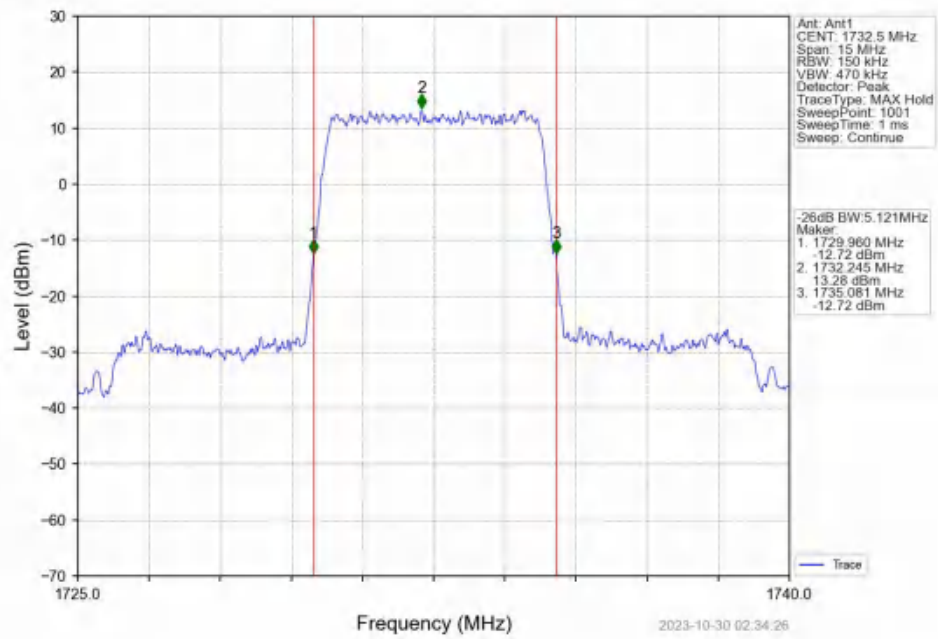
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



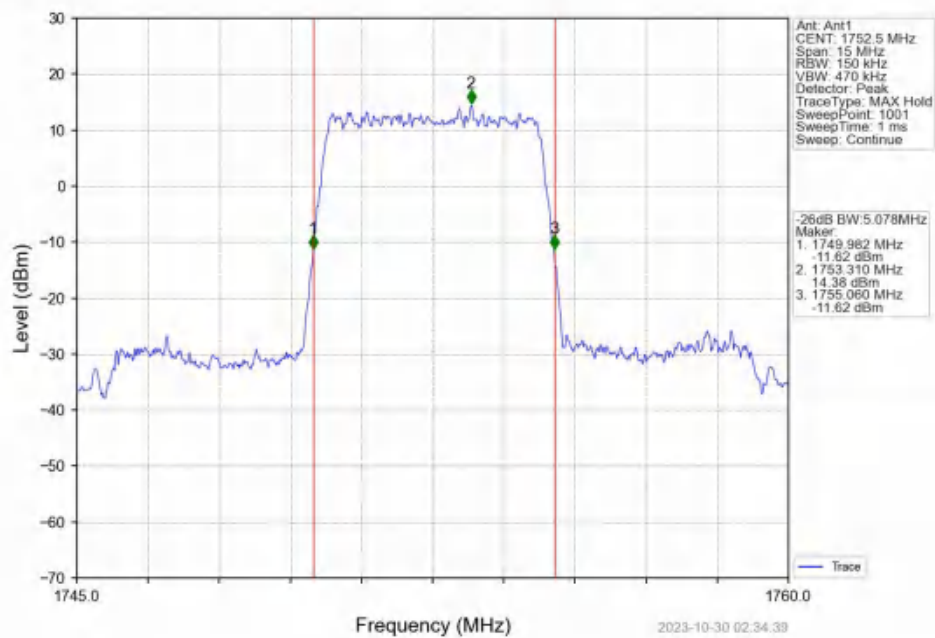
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



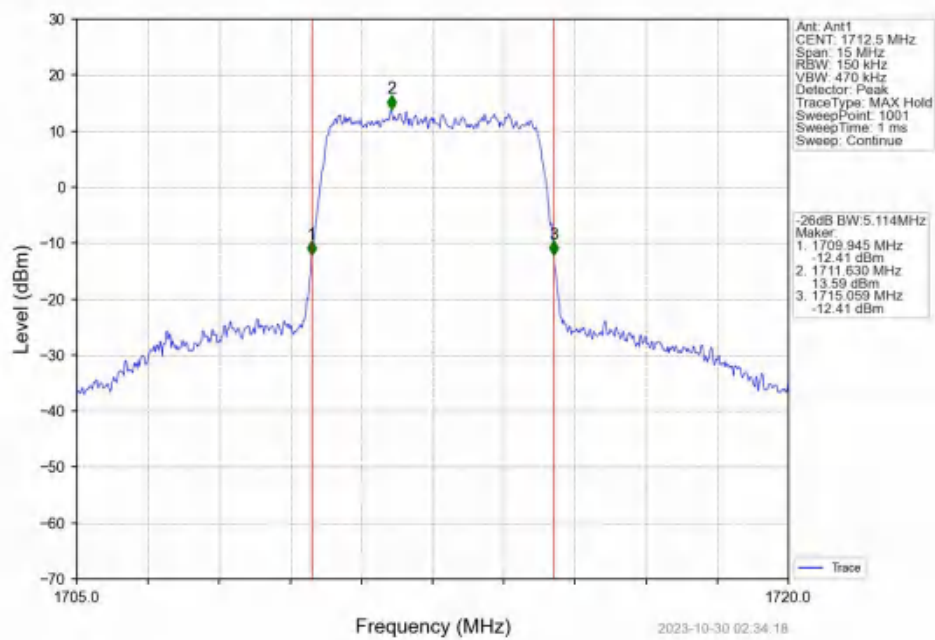
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



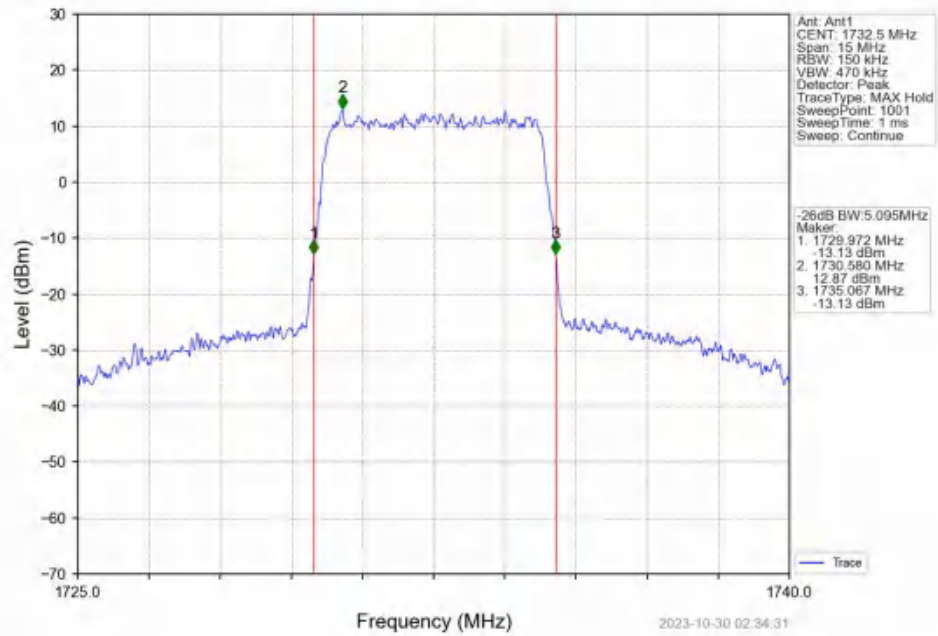
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



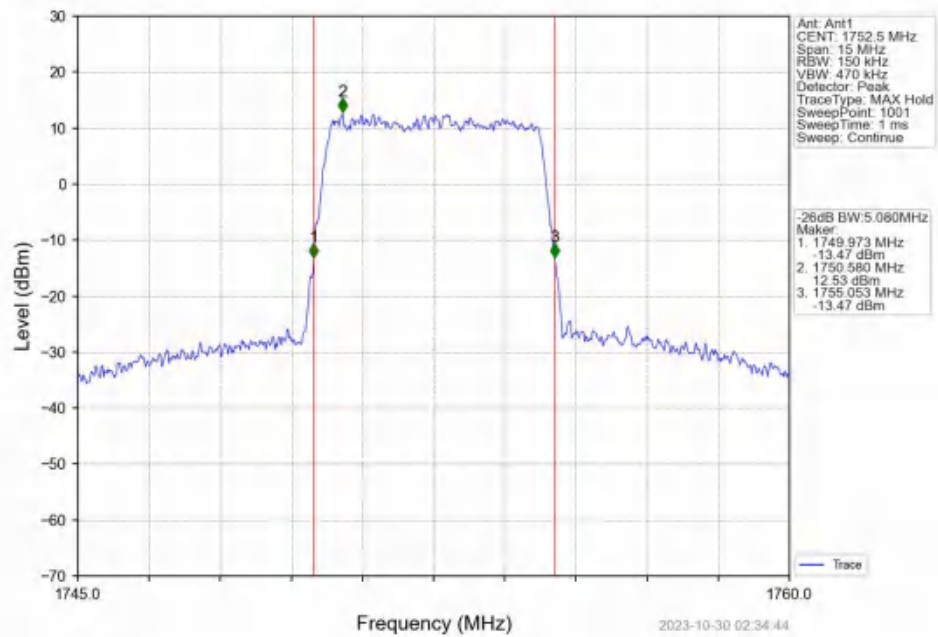
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



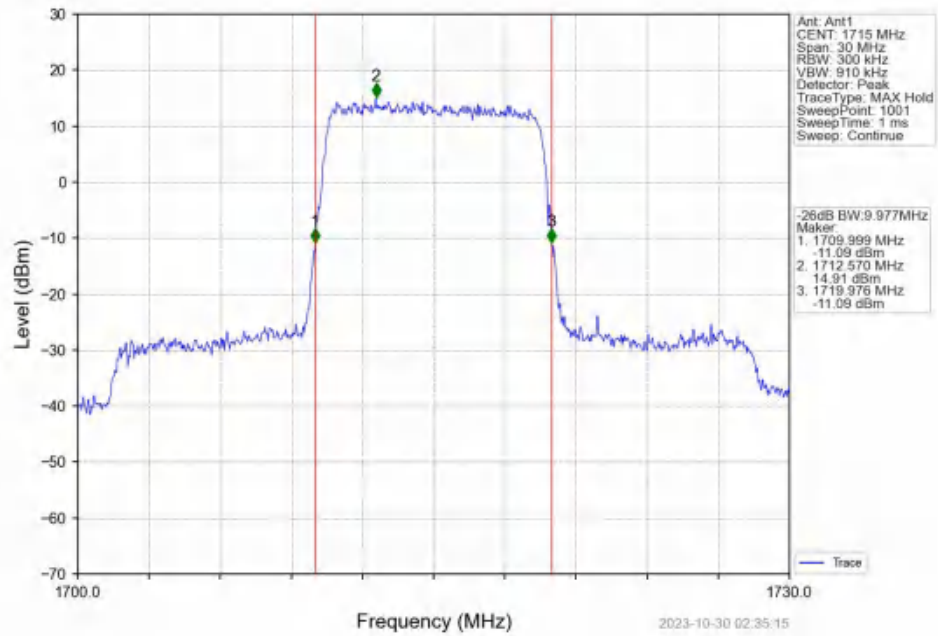
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



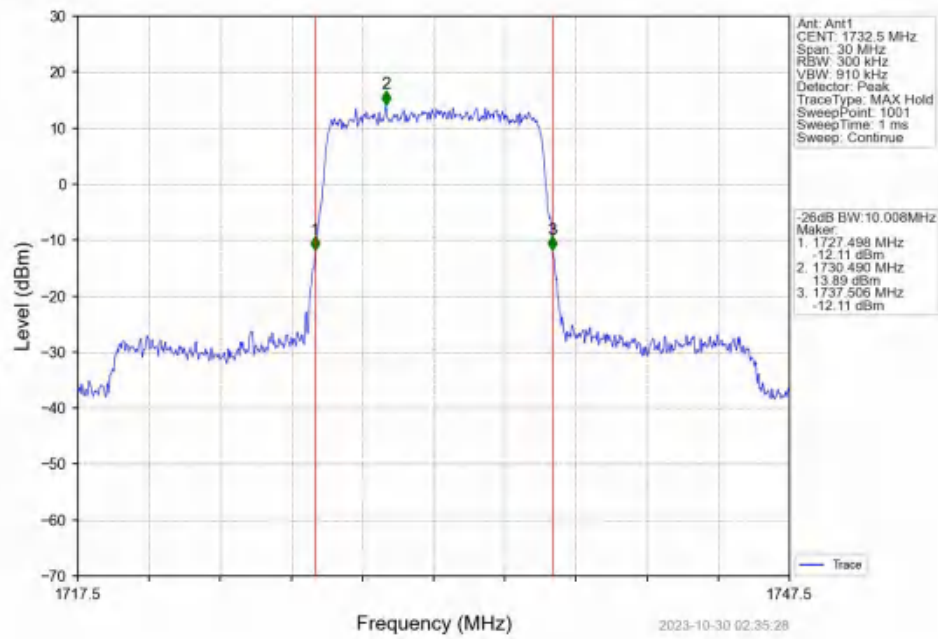
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



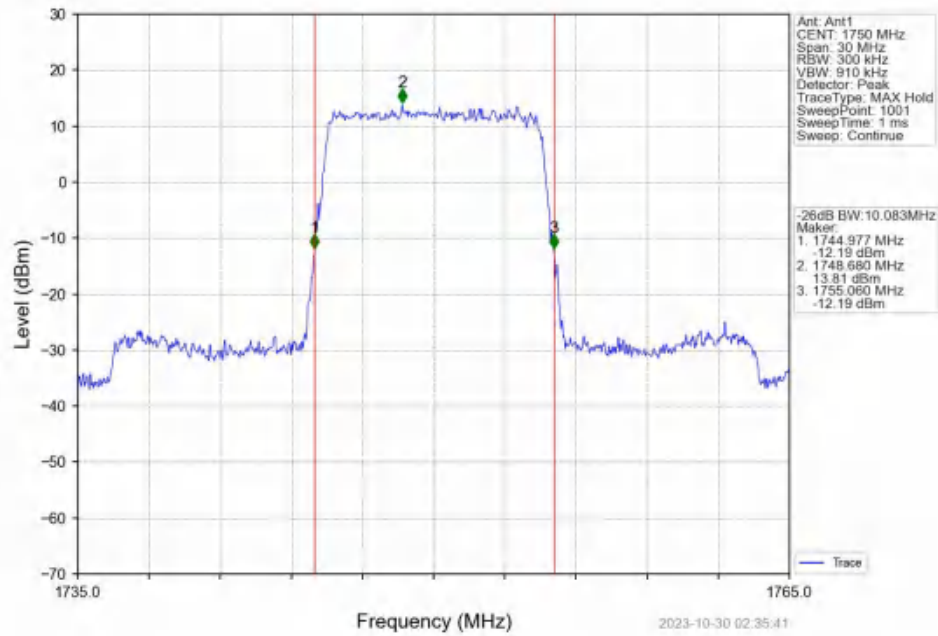
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



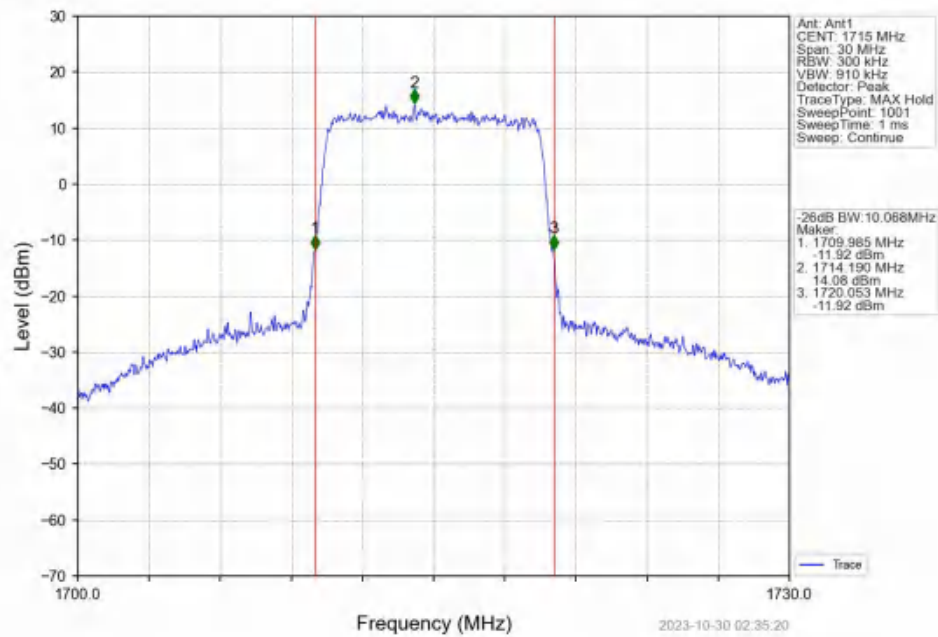
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



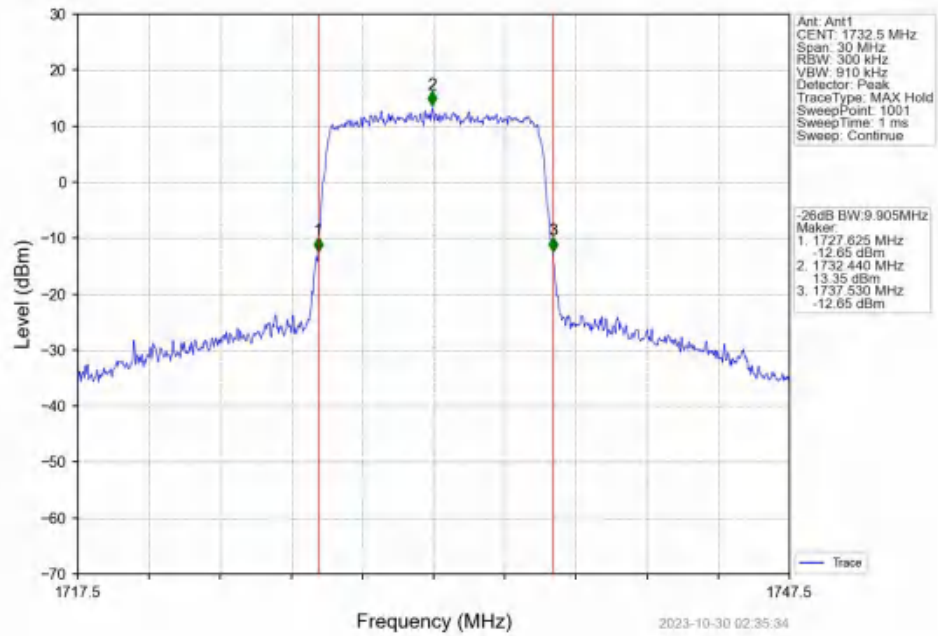
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



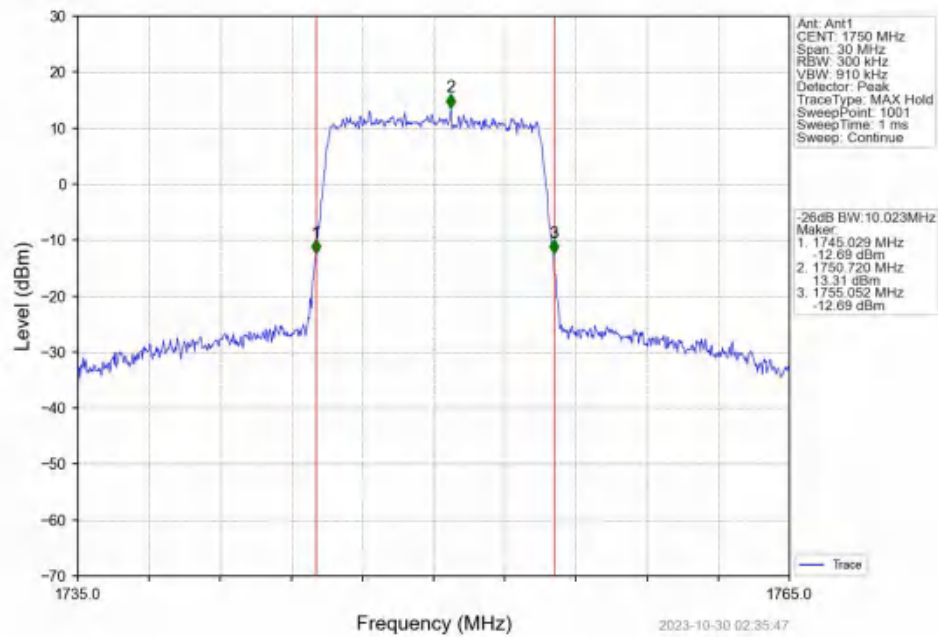
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



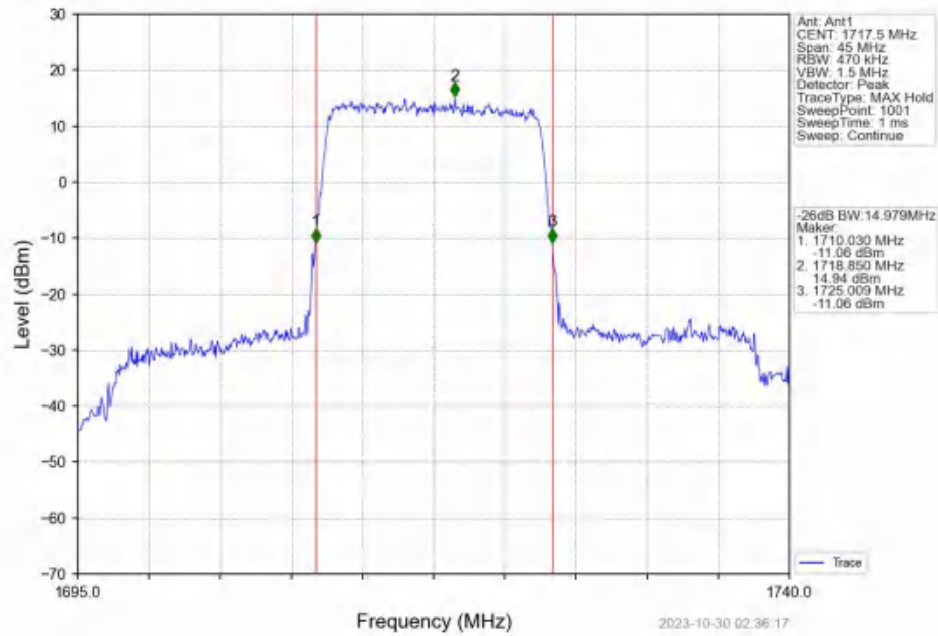
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



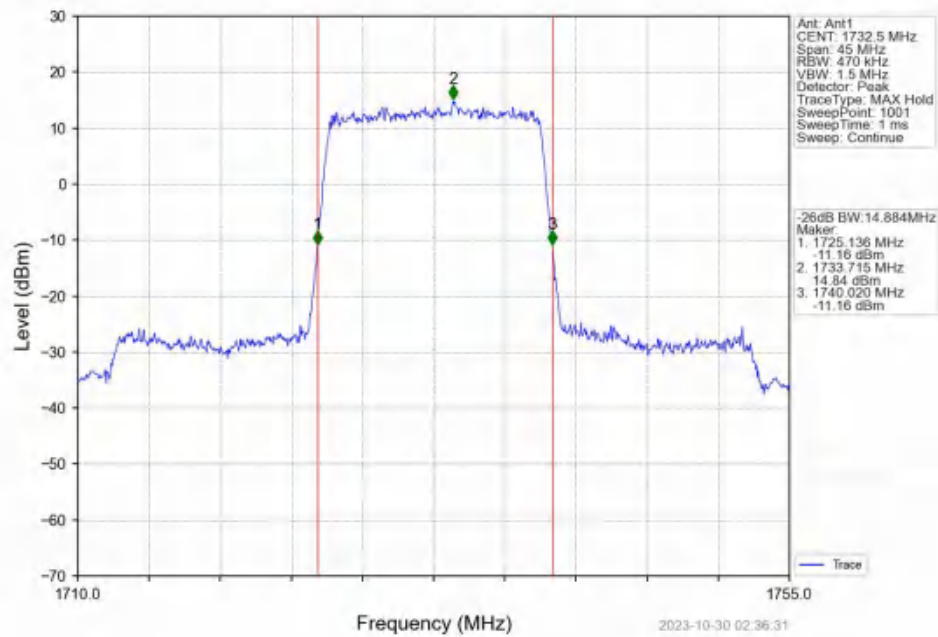
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



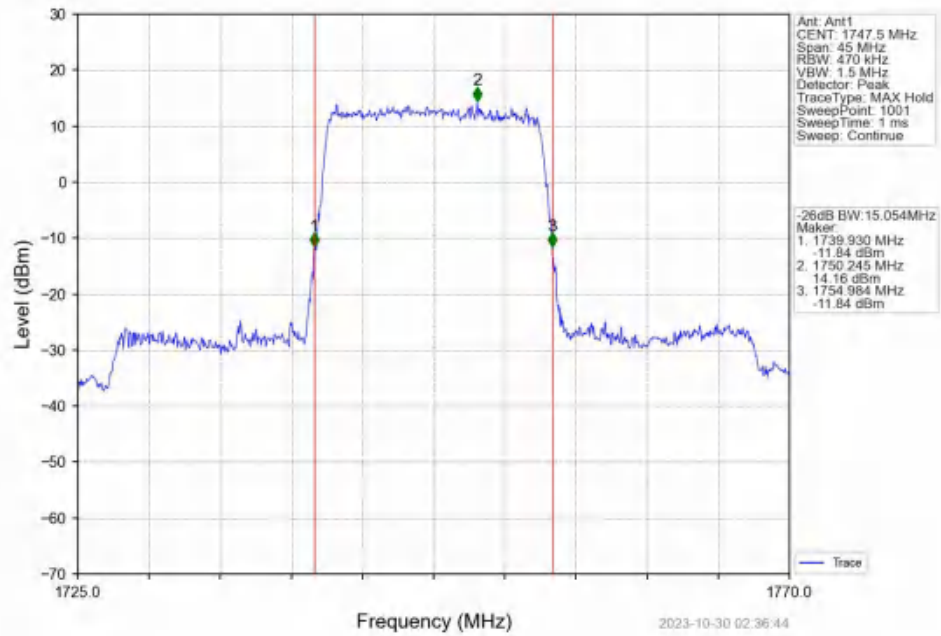
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



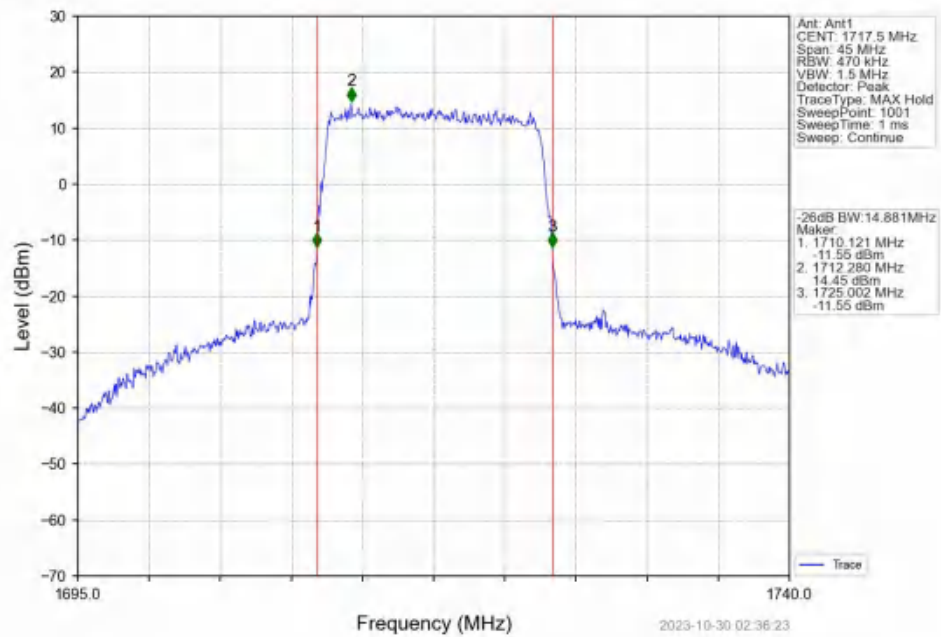
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



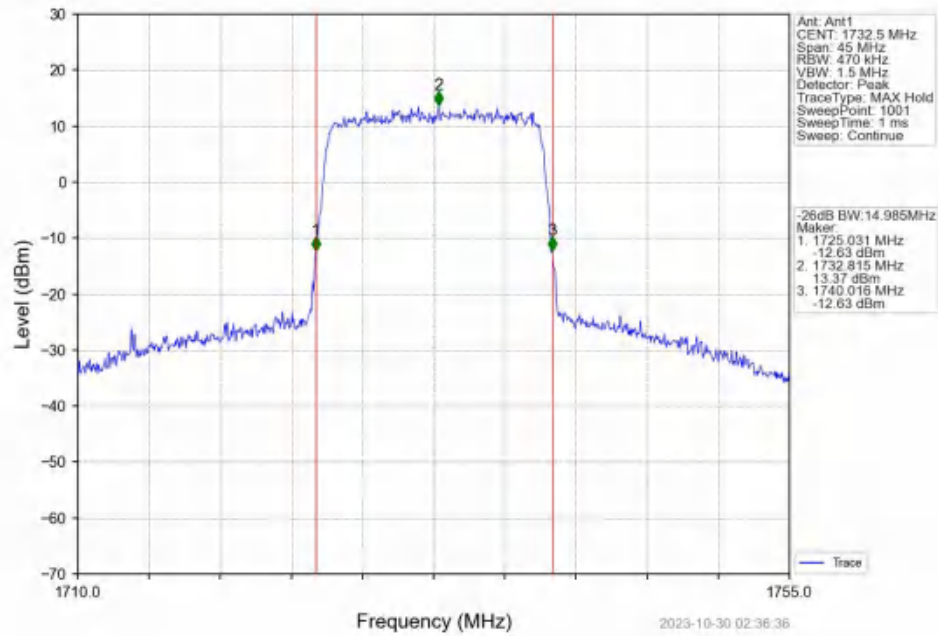
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



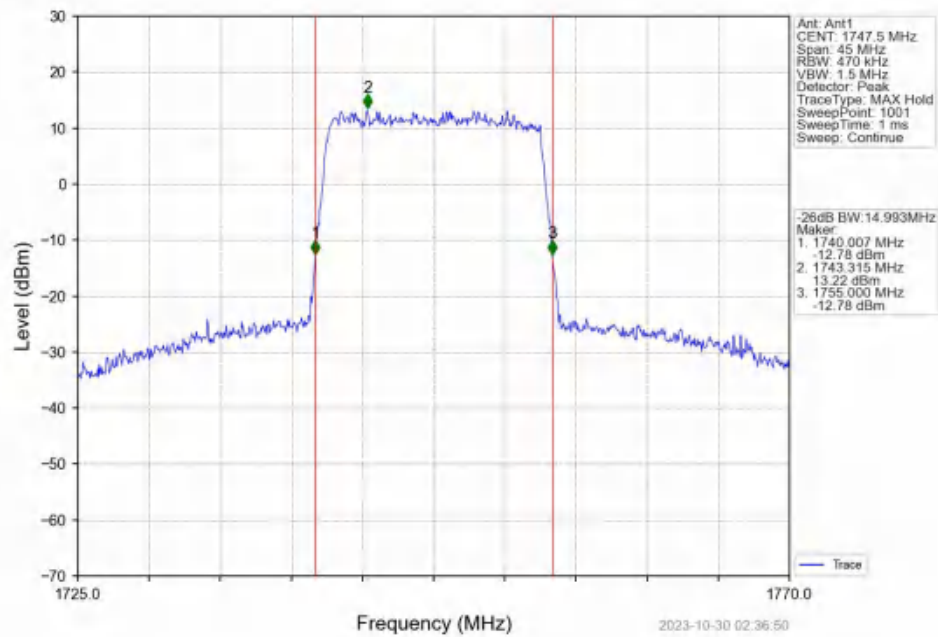
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



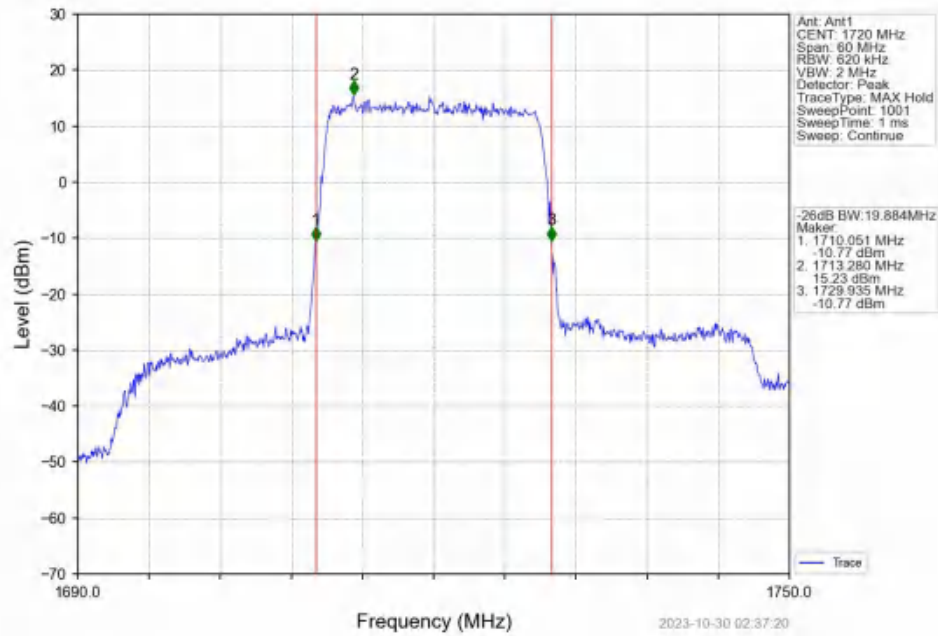
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



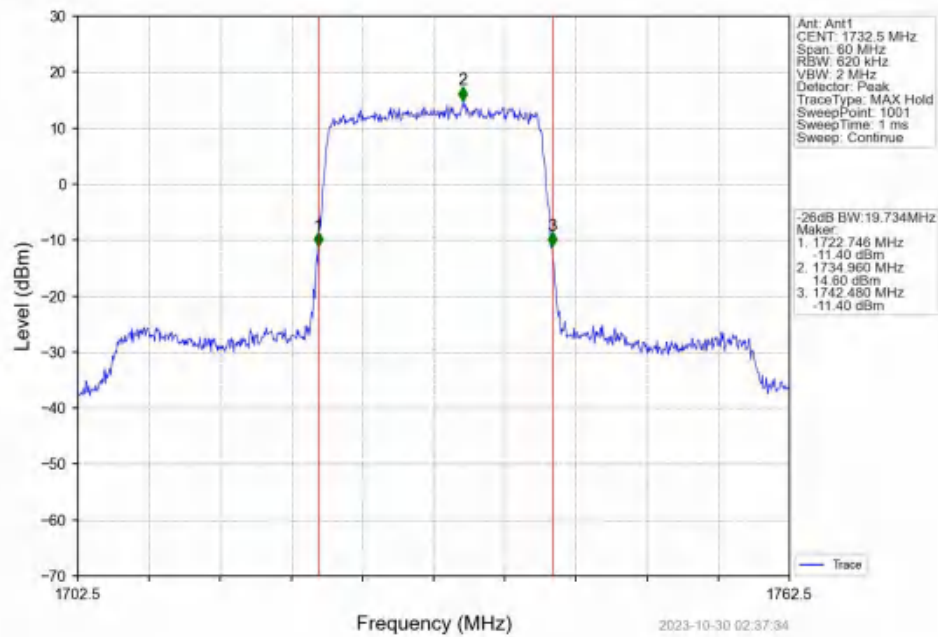
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



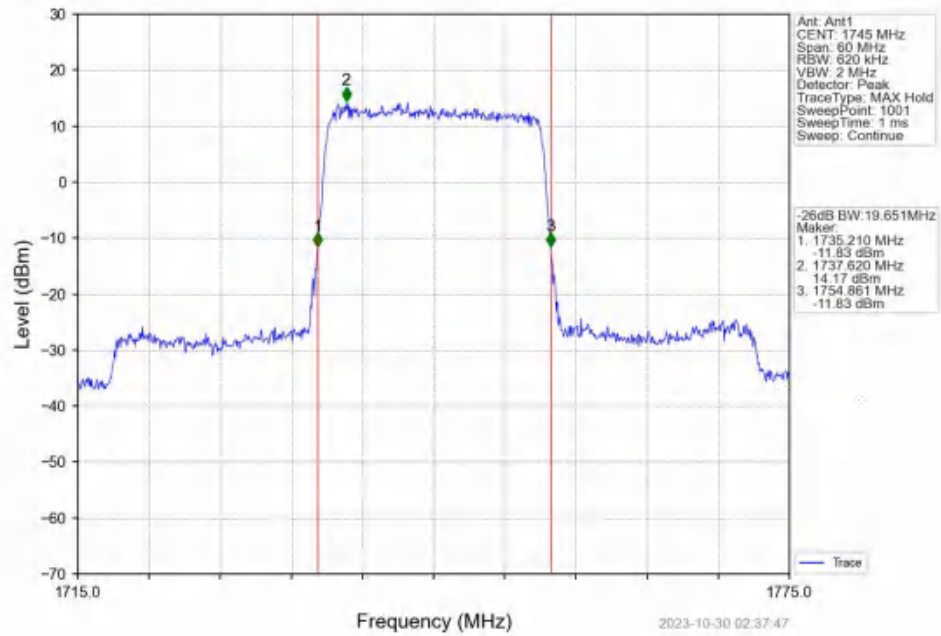
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



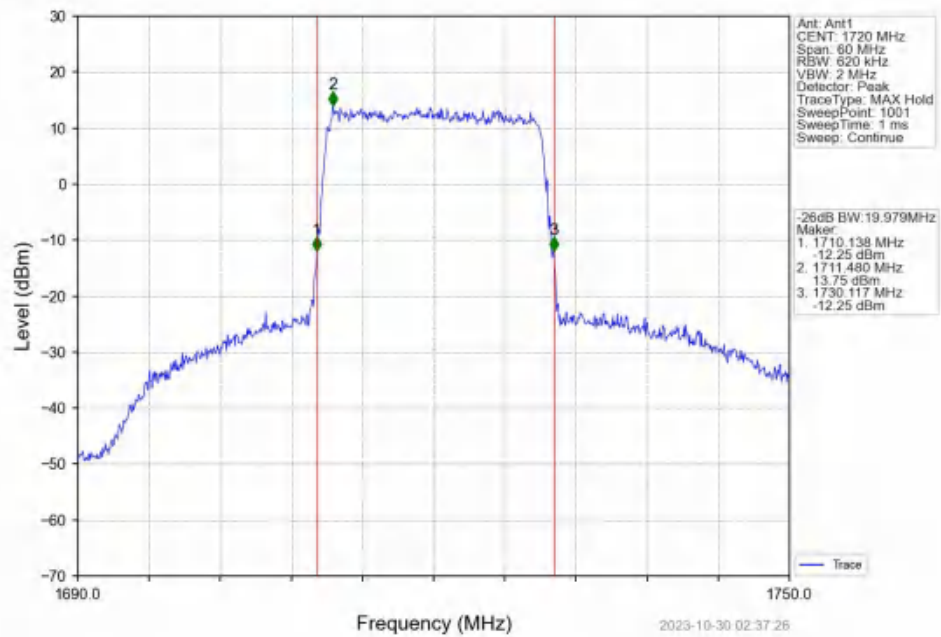
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



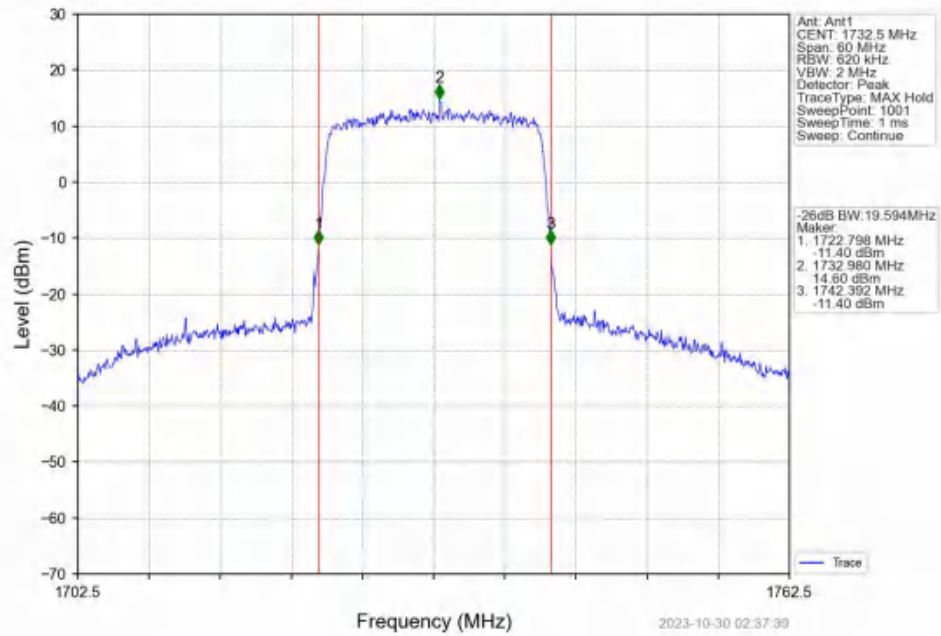
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



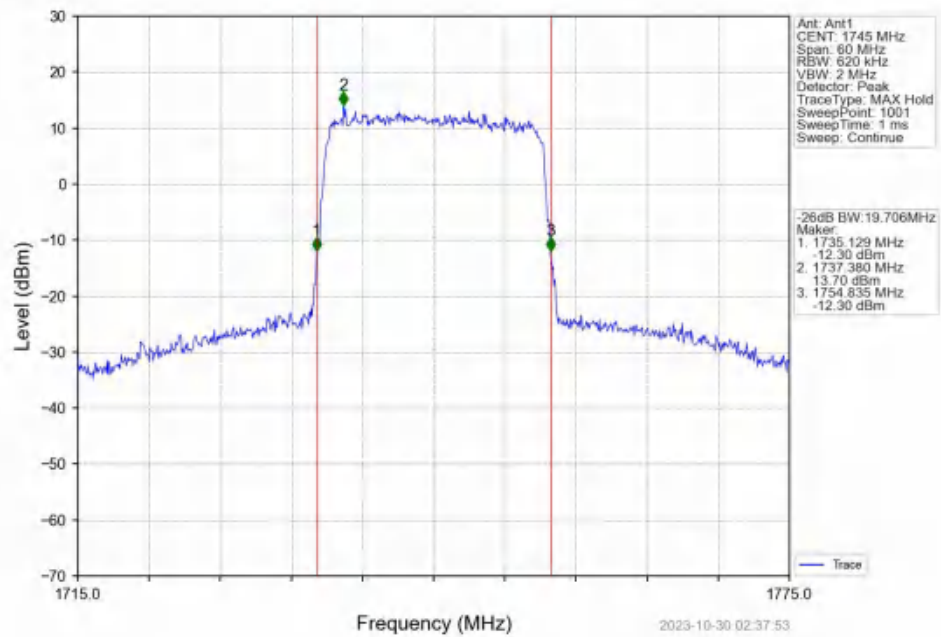
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



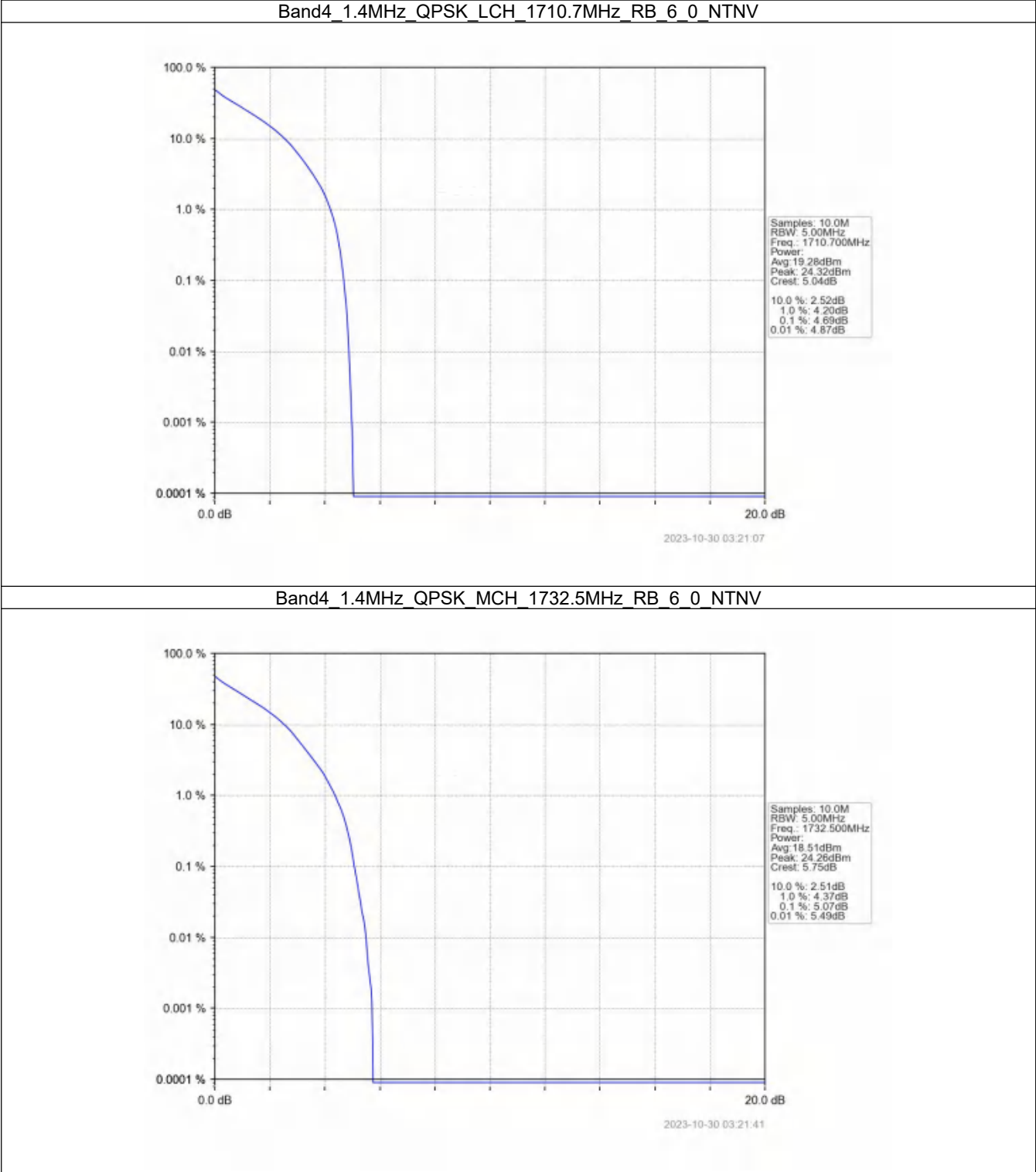
5. Peak-Average Ratio

5.1 B4_1.4MHz

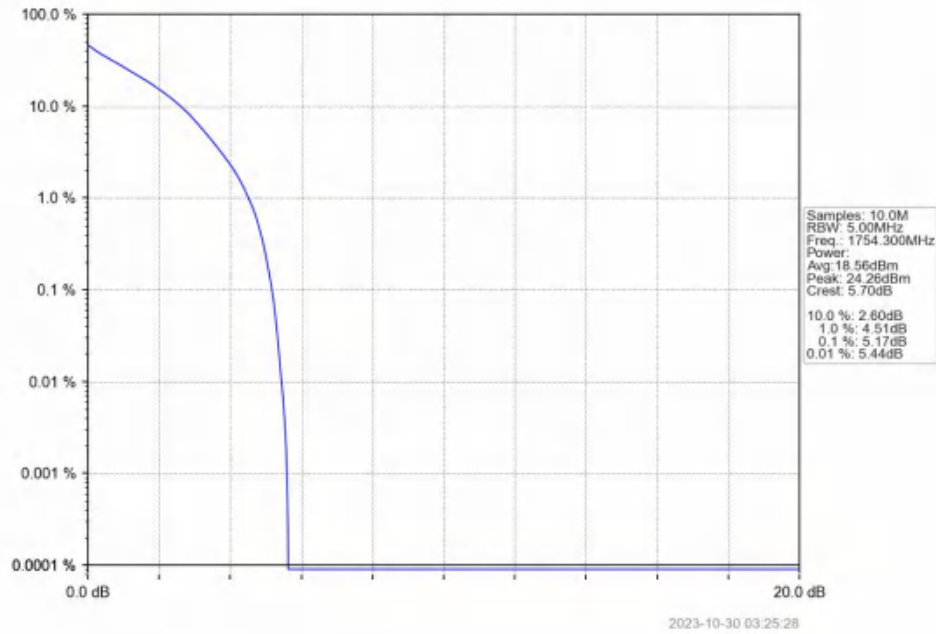
5.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.69	<=13	Pass
	1732.5	6	0	5.07	<=13	Pass
	1754.3	6	0	5.17	<=13	Pass
16QAM	1710.7	6	0	5.59	<=13	Pass
	1732.5	6	0	5.90	<=13	Pass
	1754.3	6	0	5.94	<=13	Pass

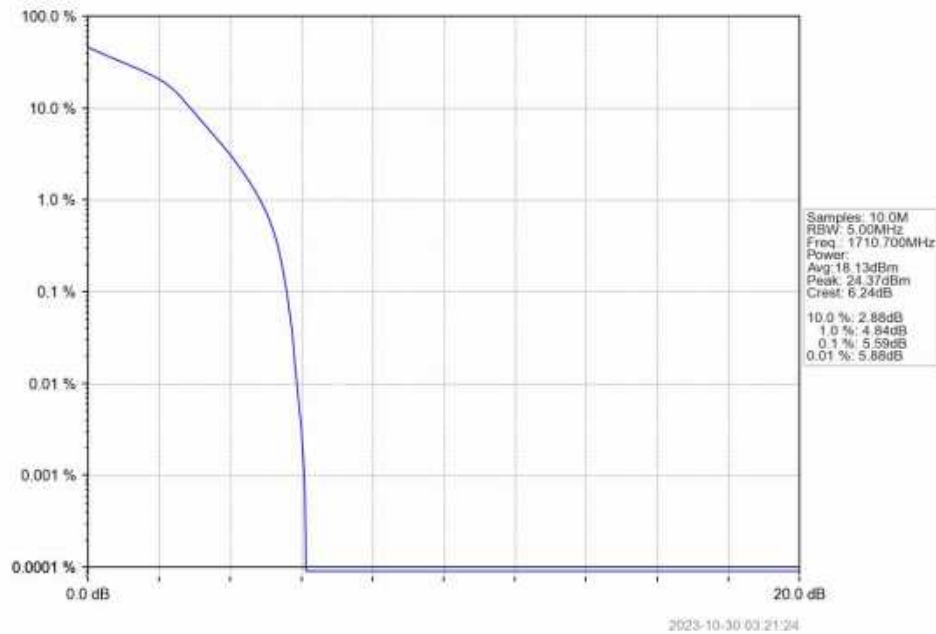
5.1.2 Test Graph



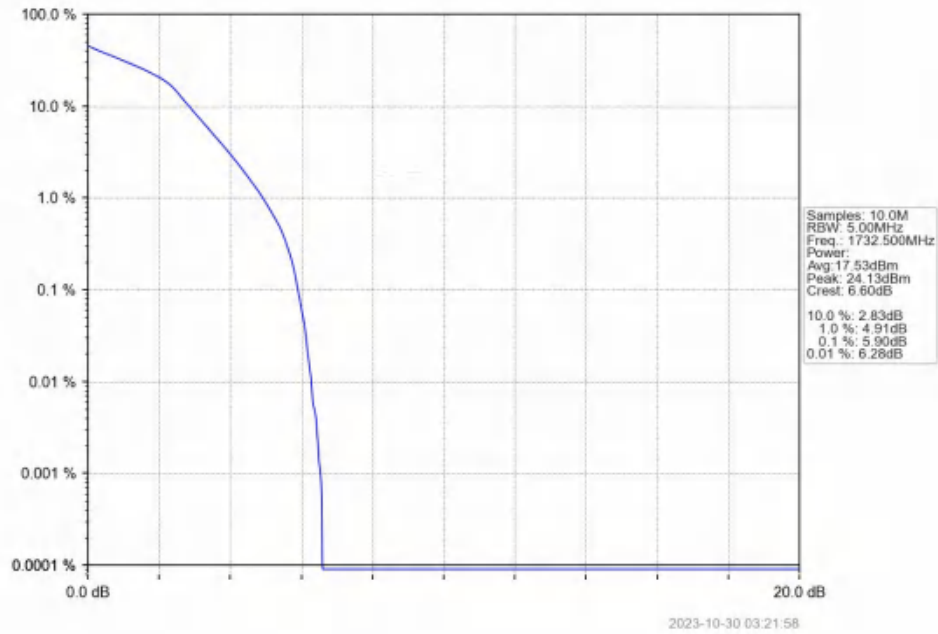
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



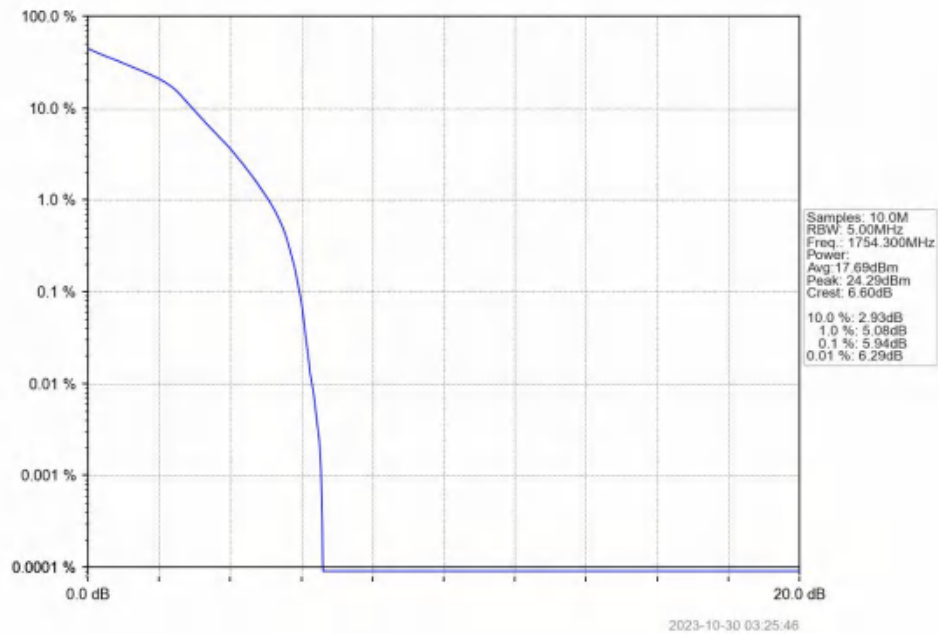
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

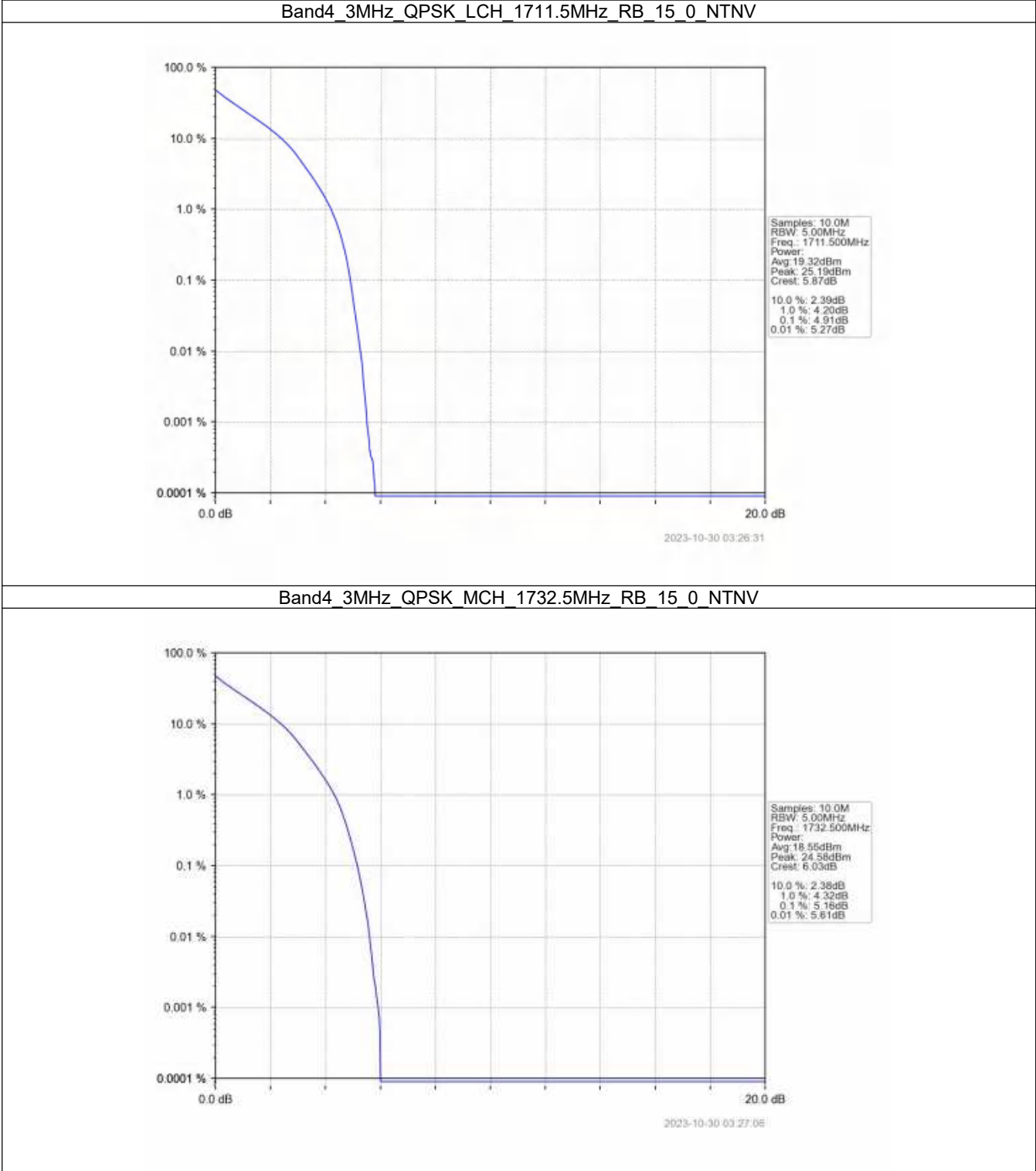


5.2 B4_3MHz

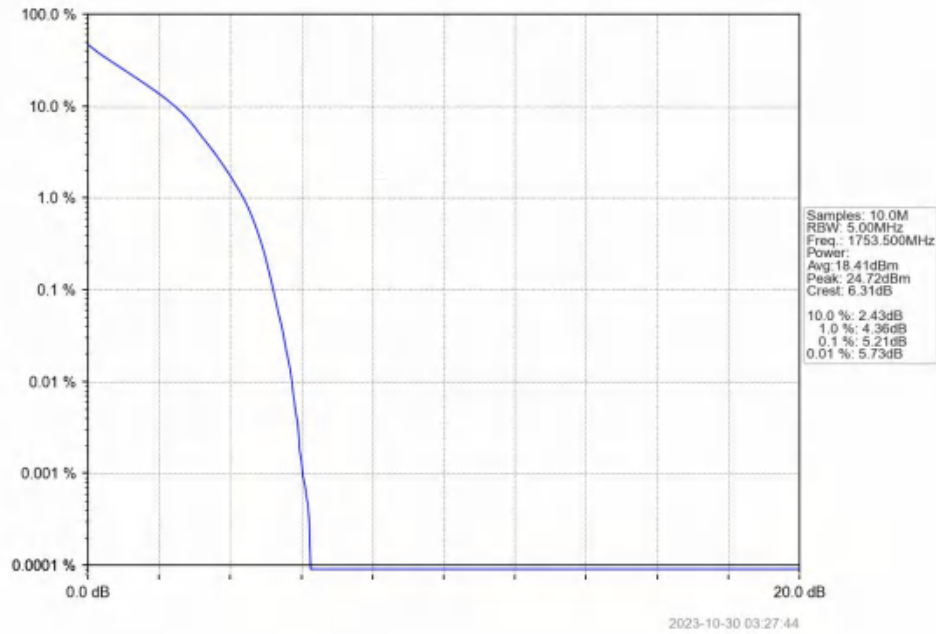
5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.91	<=13	Pass
	1732.5	15	0	5.16	<=13	Pass
	1753.5	15	0	5.21	<=13	Pass
16QAM	1711.5	15	0	5.68	<=13	Pass
	1732.5	15	0	5.95	<=13	Pass
	1753.5	15	0	5.97	<=13	Pass

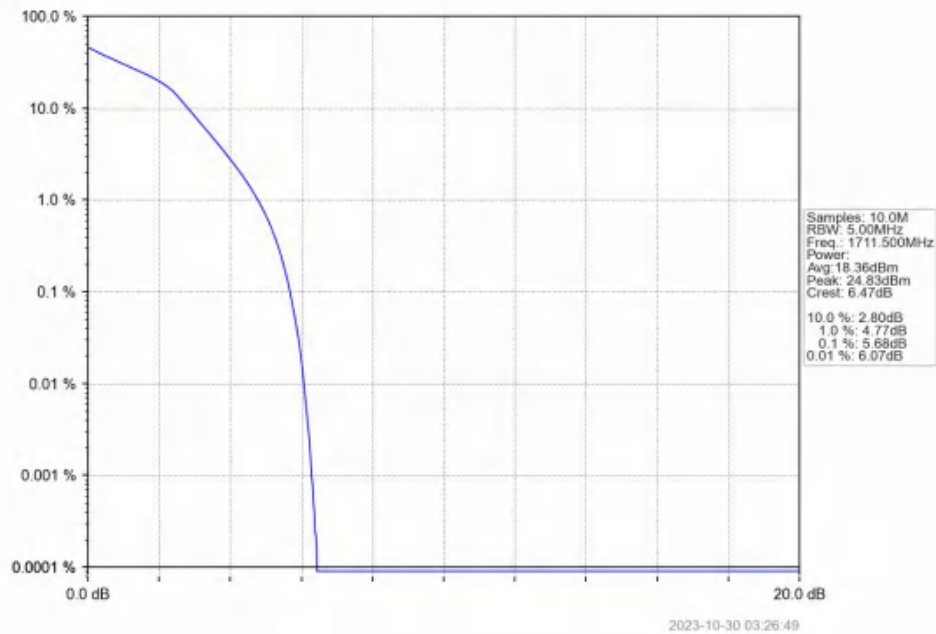
5.2.2 Test Graph



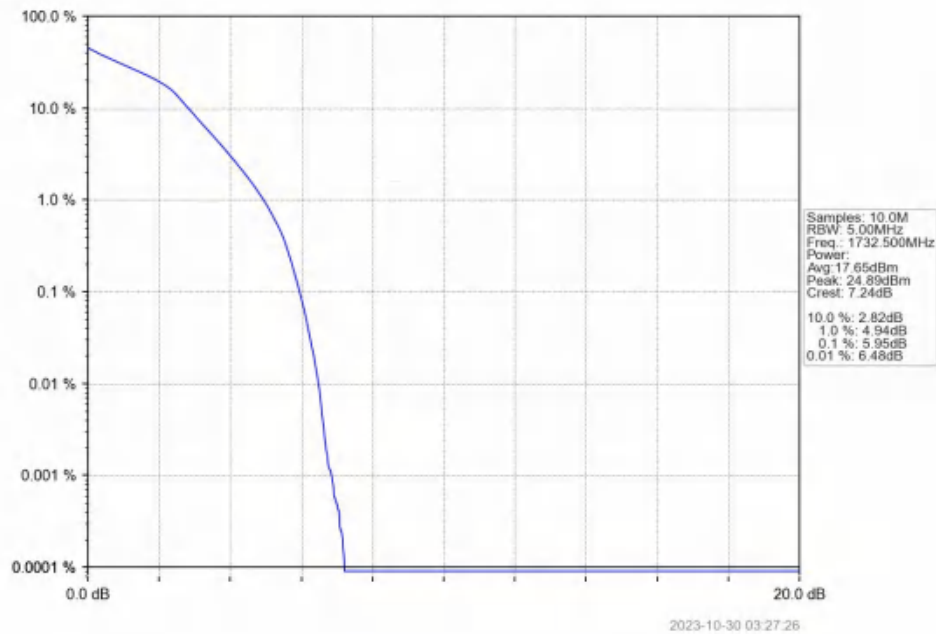
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



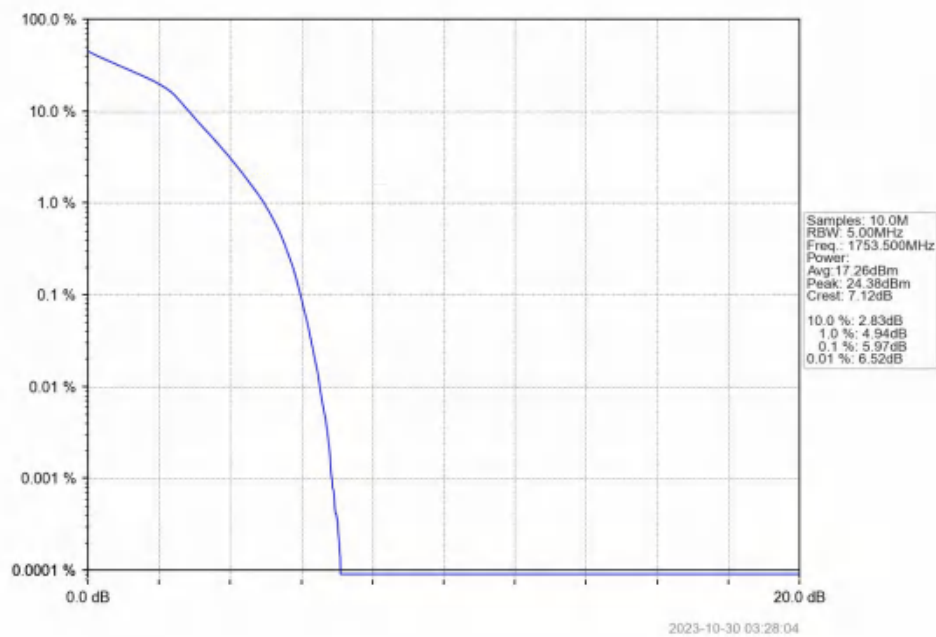
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

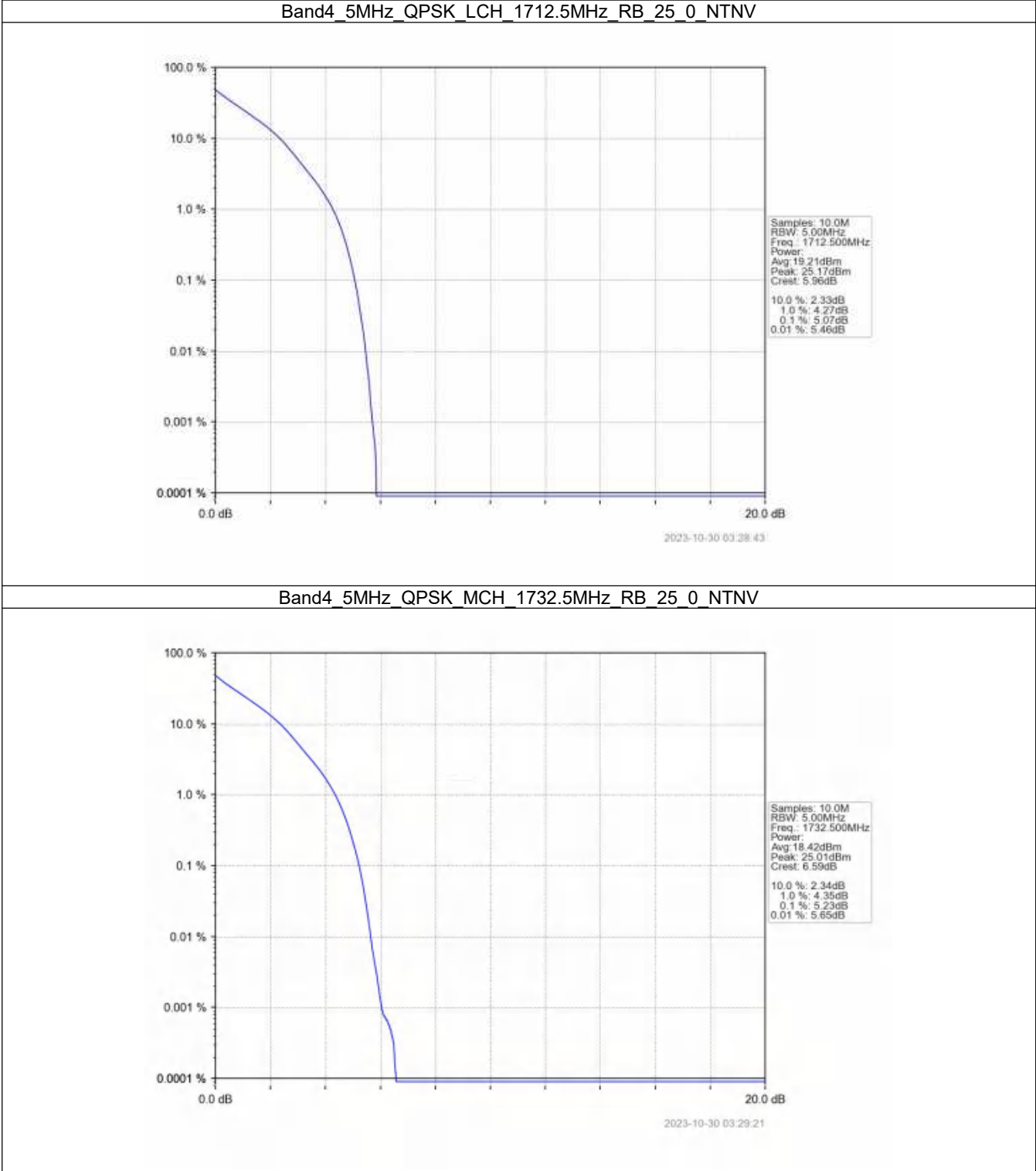


5.3 B4_5MHz

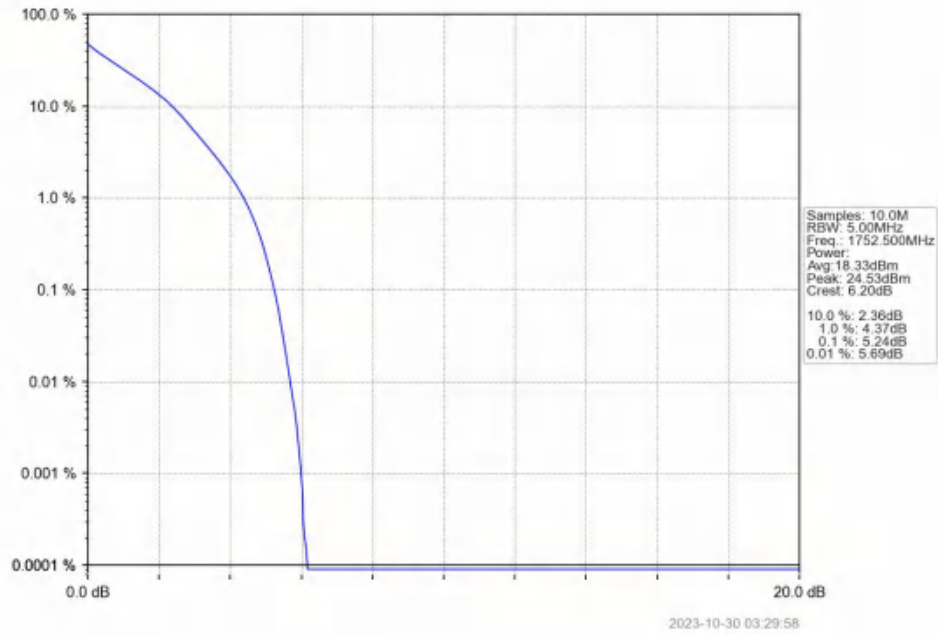
5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.07	<=13	Pass
	1732.5	25	0	5.23	<=13	Pass
	1752.5	25	0	5.24	<=13	Pass
16QAM	1712.5	25	0	5.82	<=13	Pass
	1732.5	25	0	5.92	<=13	Pass
	1752.5	25	0	5.98	<=13	Pass

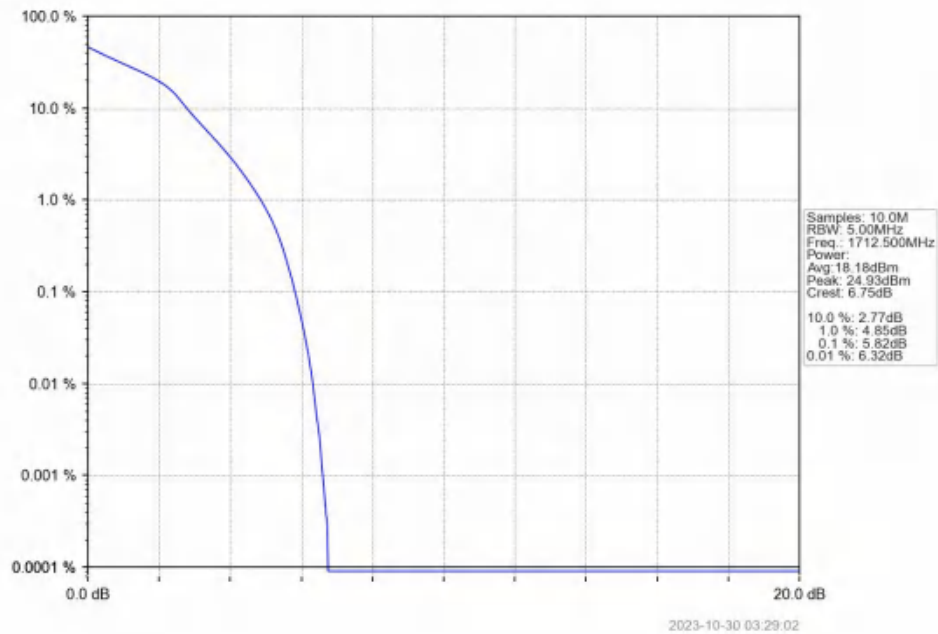
5.3.2 Test Graph



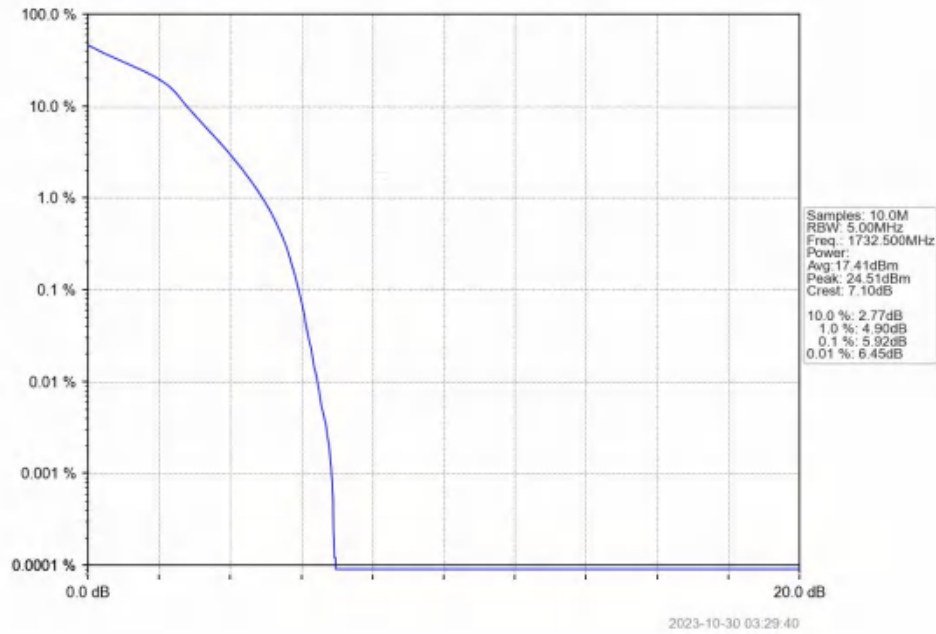
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



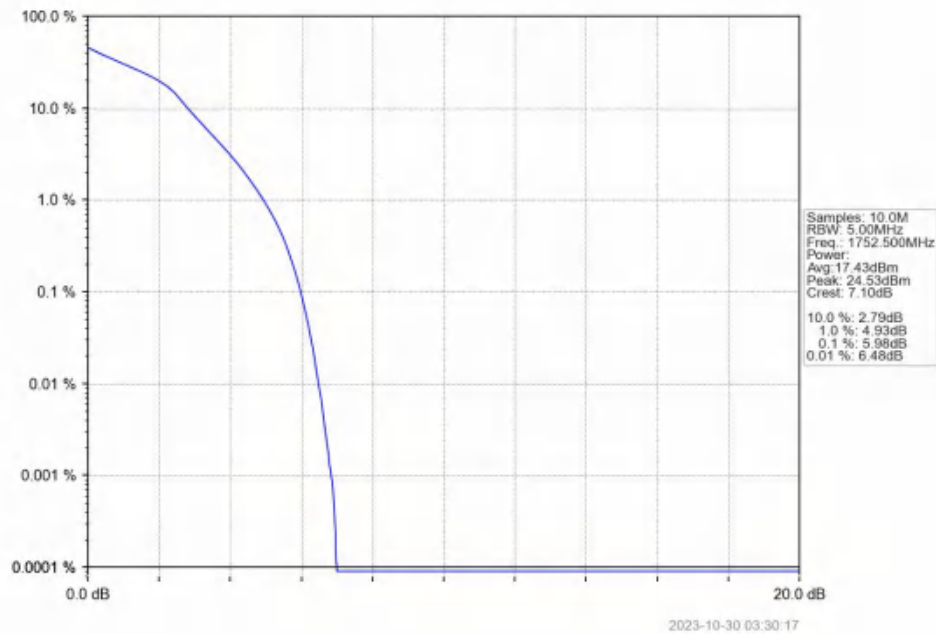
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

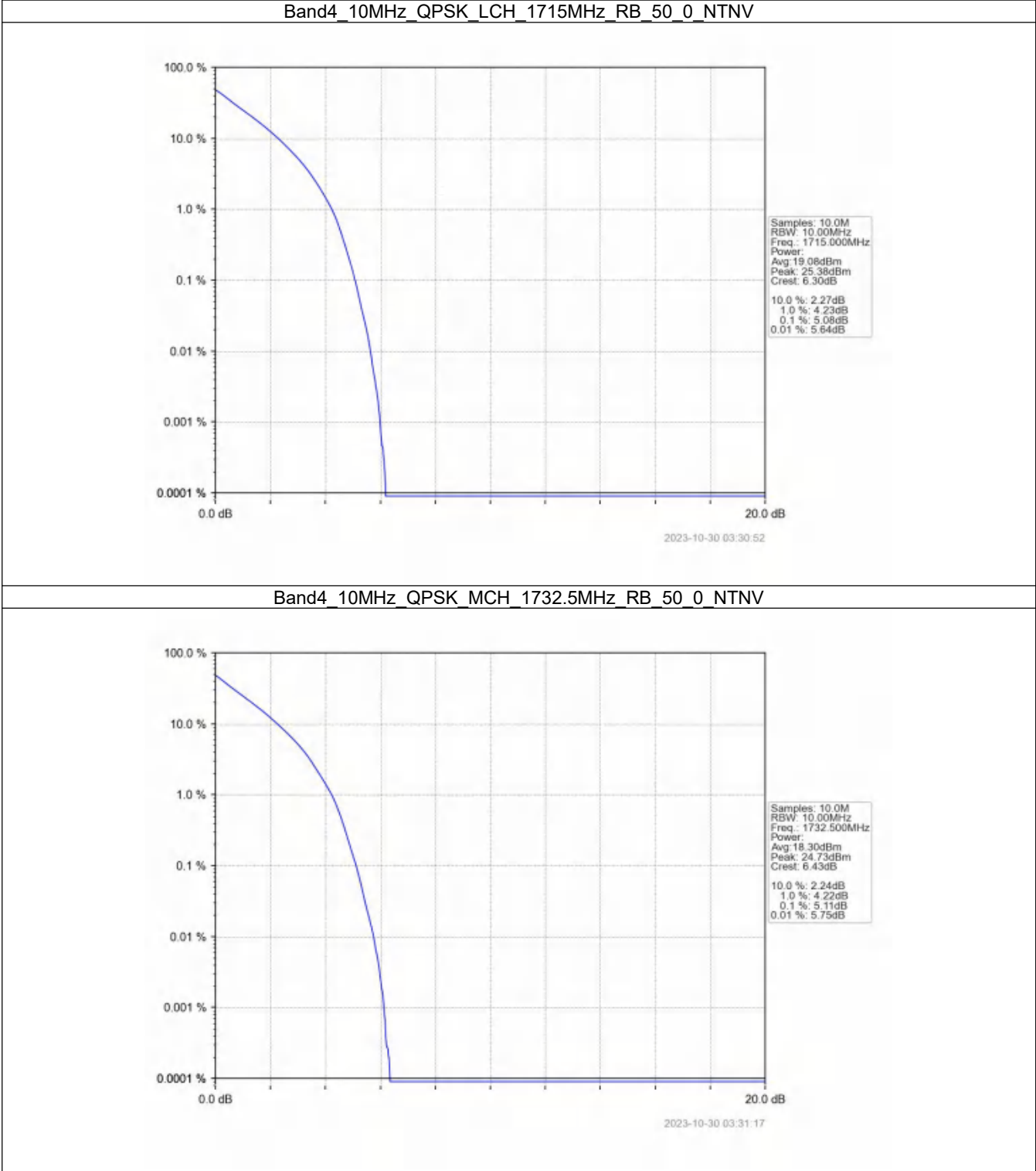


5.4 B4_10MHz

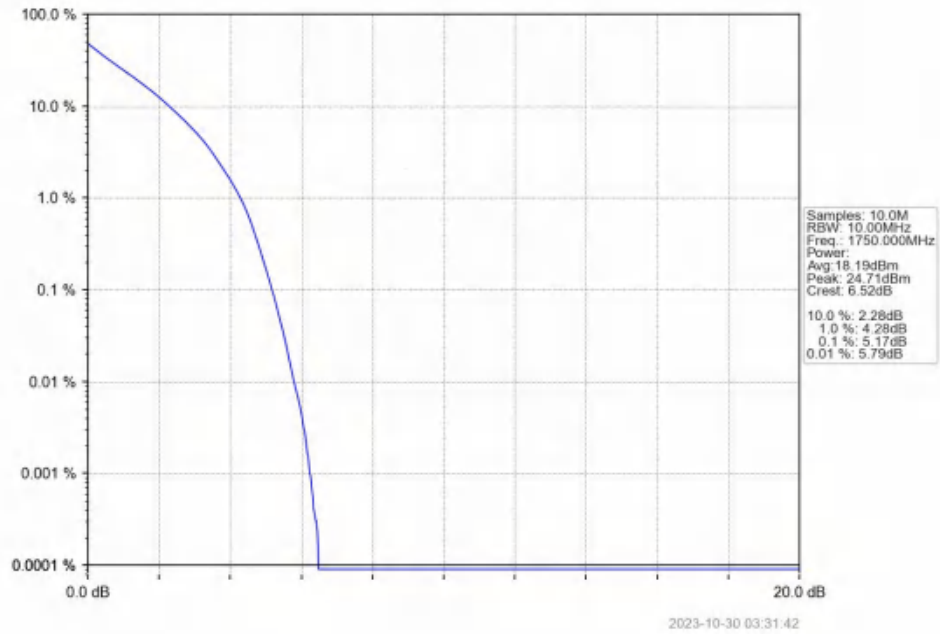
5.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.08	<=13	Pass
	1732.5	50	0	5.11	<=13	Pass
	1750	50	0	5.17	<=13	Pass
16QAM	1715	50	0	5.85	<=13	Pass
	1732.5	50	0	5.88	<=13	Pass
	1750	50	0	5.92	<=13	Pass

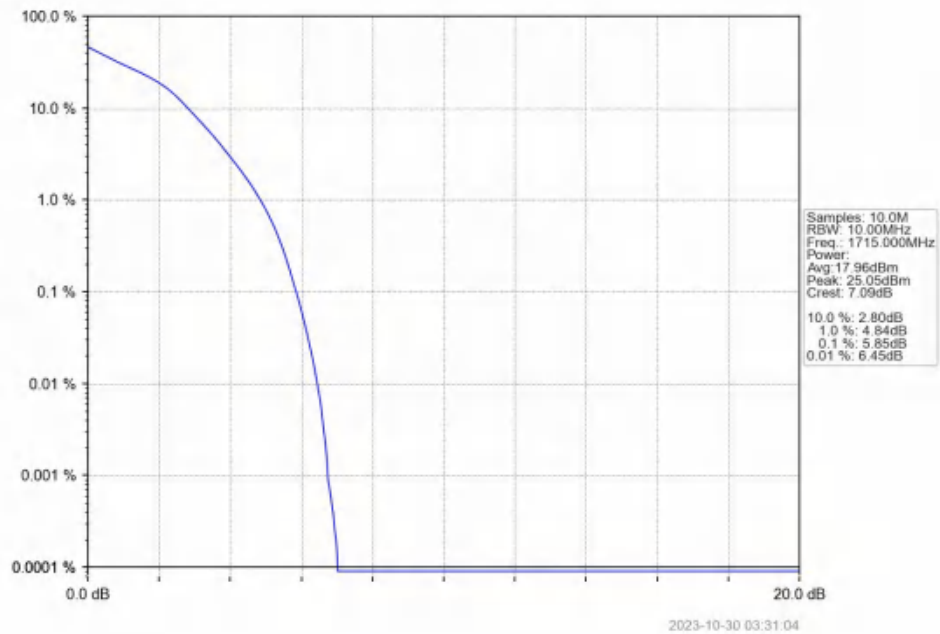
5.4.2 Test Graph



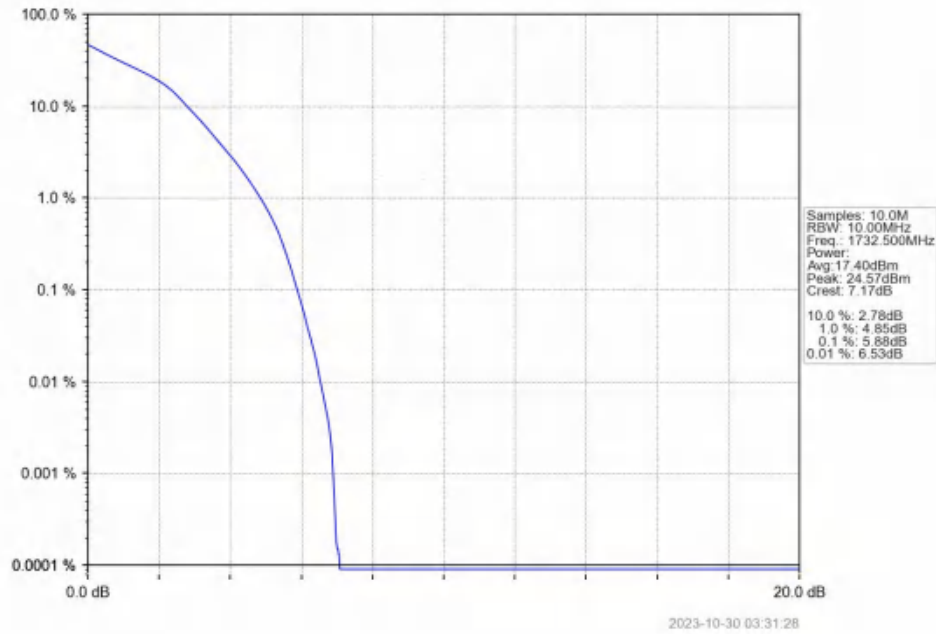
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



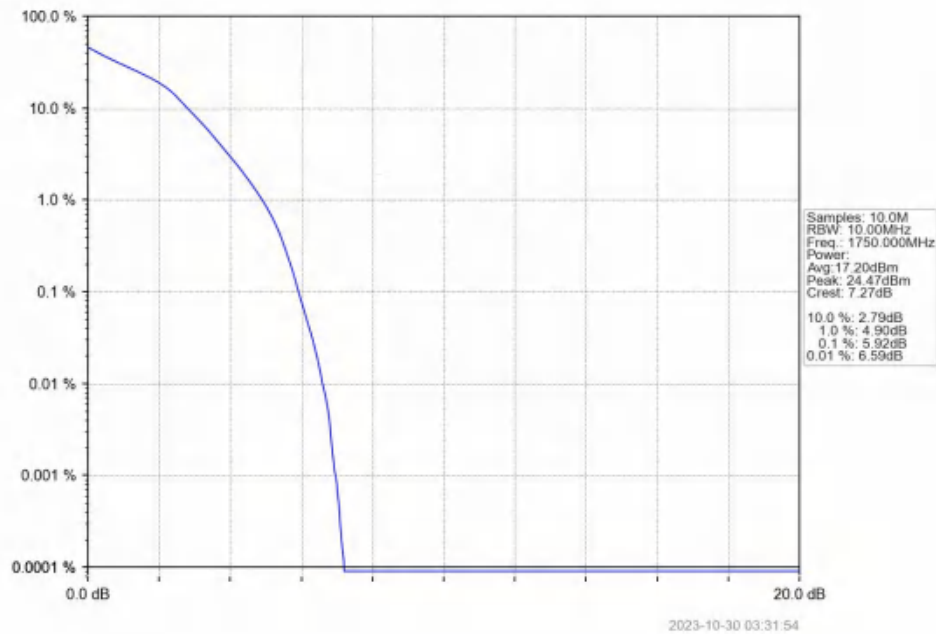
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

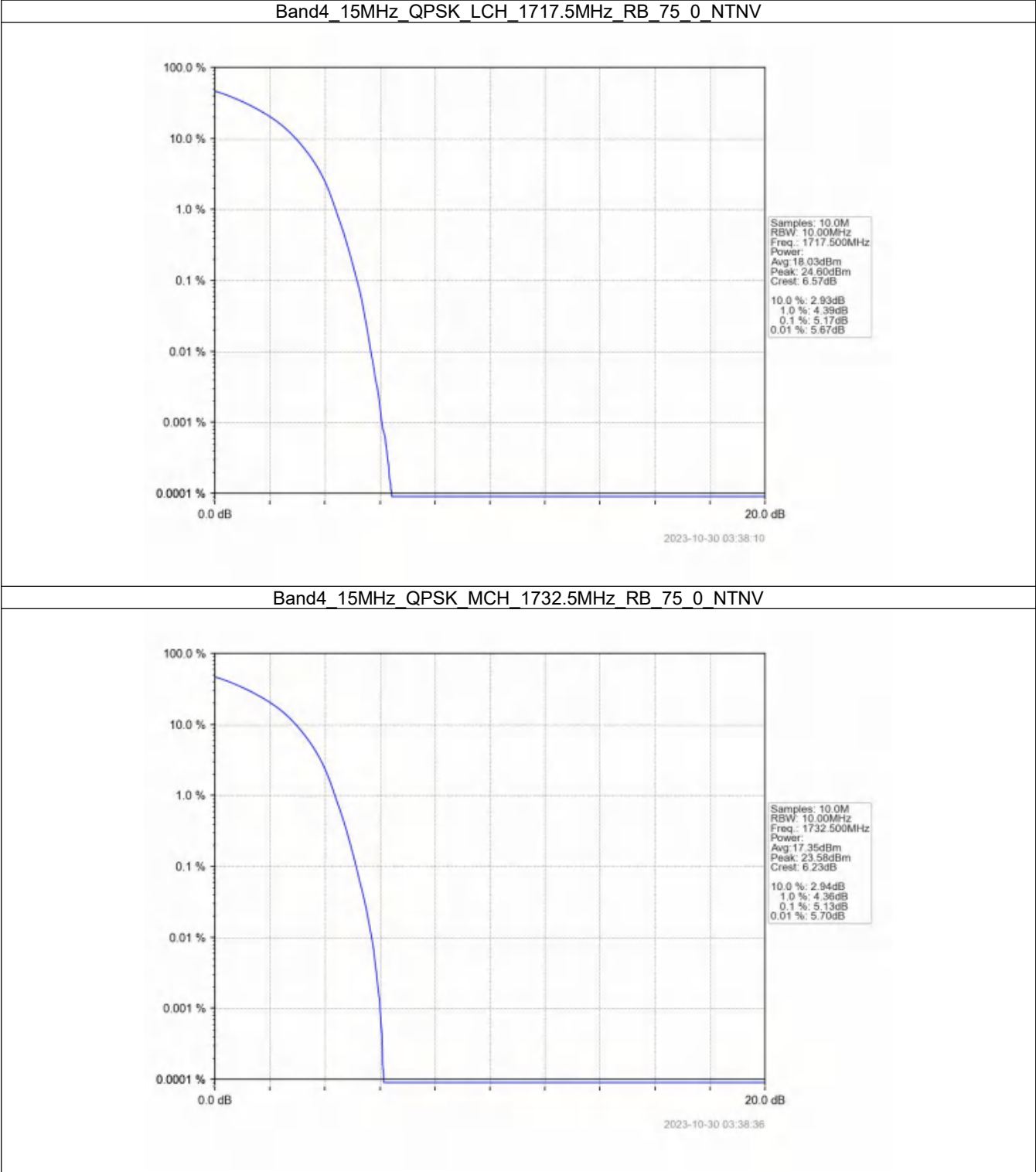


5.5 B4_15MHz

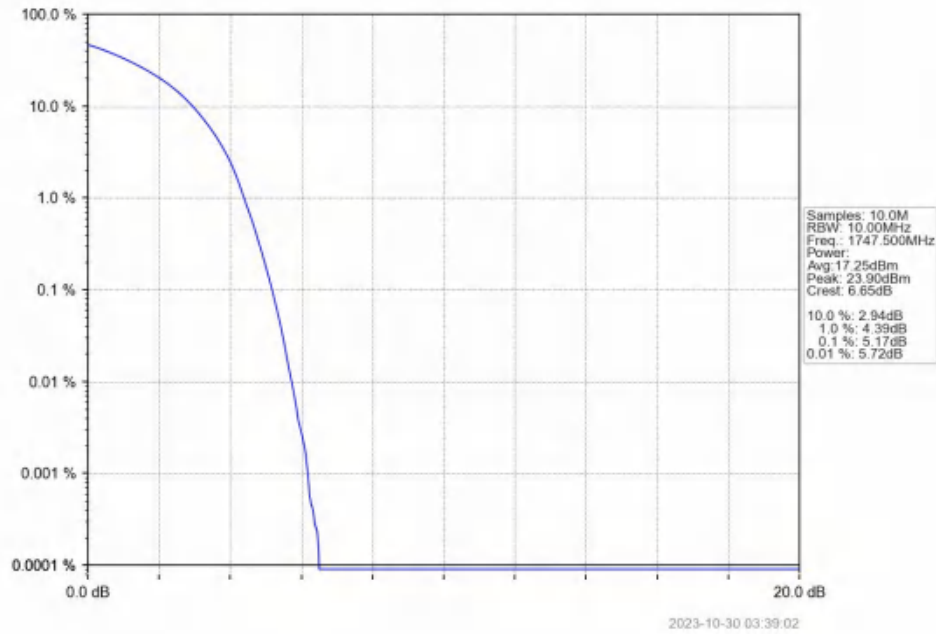
5.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.17	<=13	Pass
	1732.5	75	0	5.13	<=13	Pass
	1747.5	75	0	5.17	<=13	Pass
16QAM	1717.5	75	0	6.23	<=13	Pass
	1732.5	75	0	6.21	<=13	Pass
	1747.5	75	0	6.27	<=13	Pass

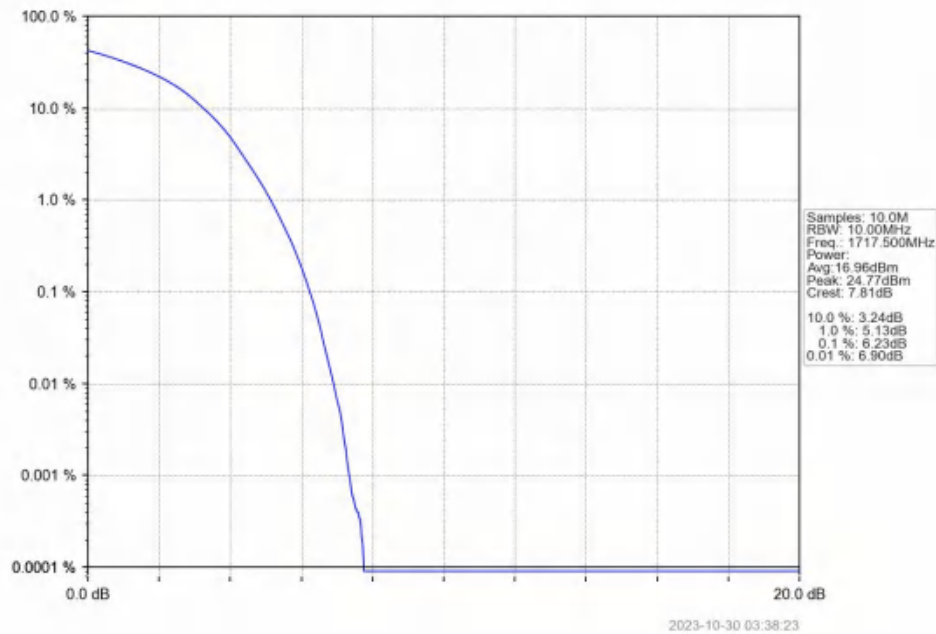
5.5.2 Test Graph



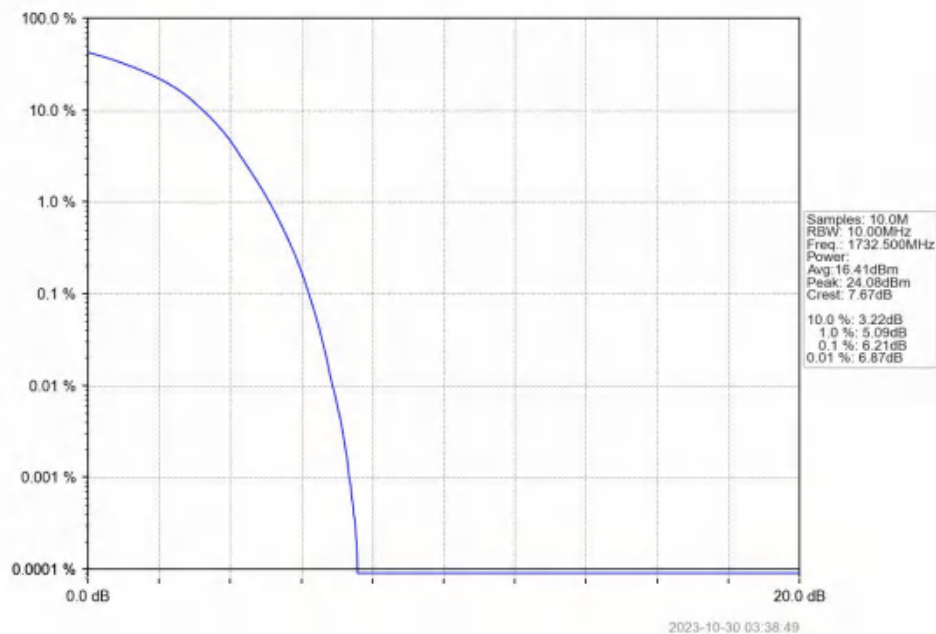
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



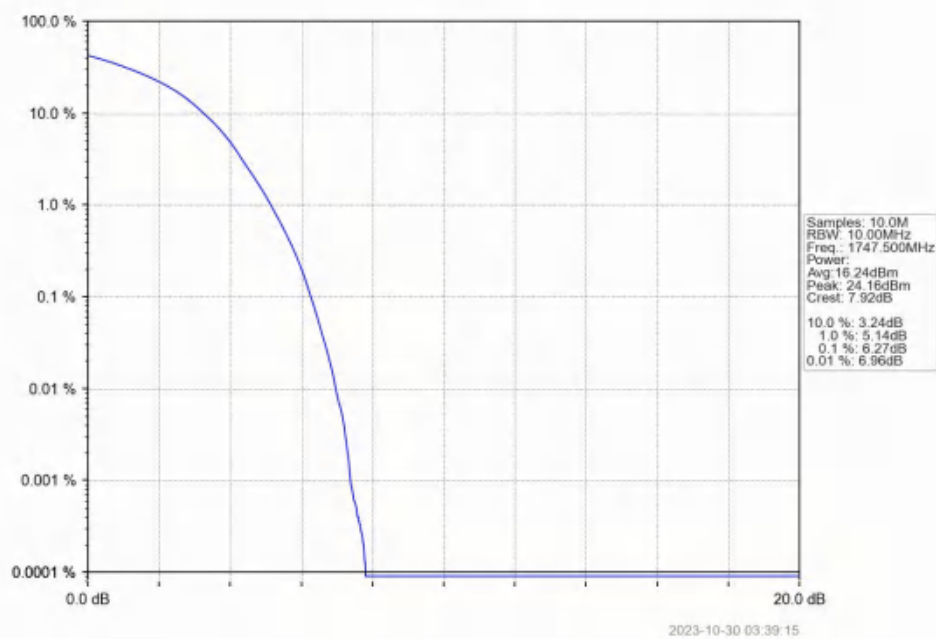
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

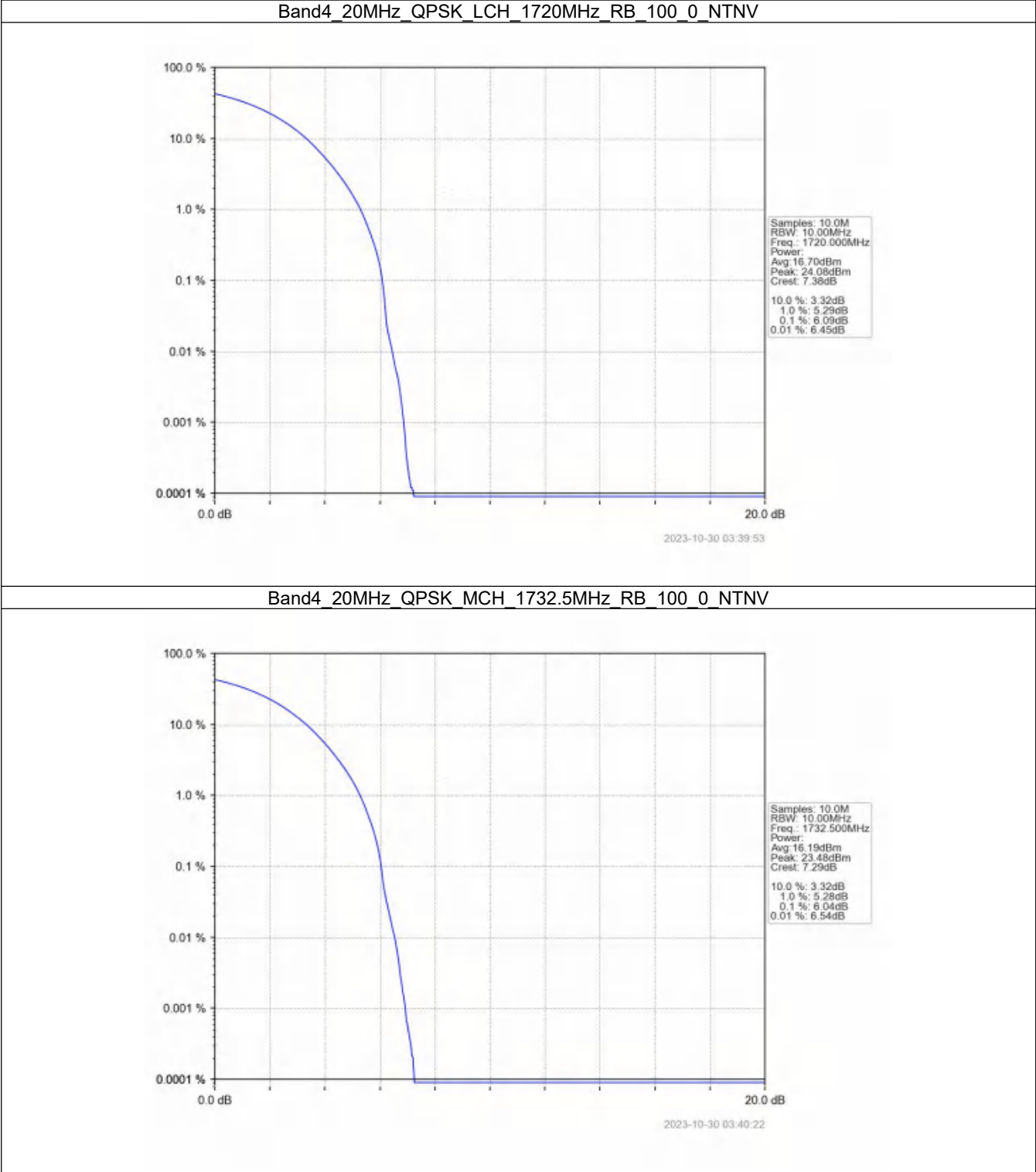


5.6 B4_20MHz

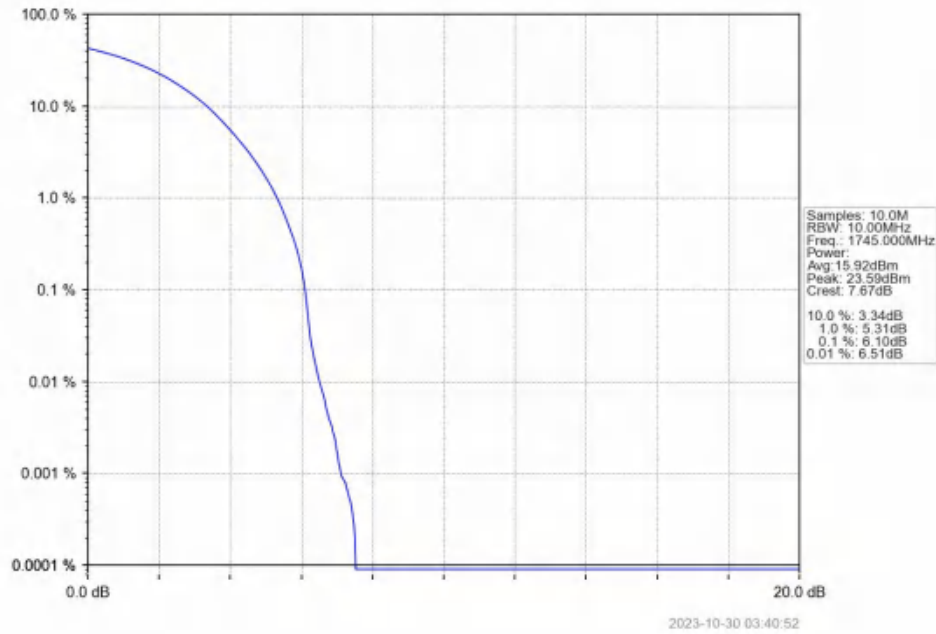
5.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	6.09	<=13	Pass
	1732.5	100	0	6.04	<=13	Pass
	1745	100	0	6.10	<=13	Pass
16QAM	1720	100	0	6.77	<=13	Pass
	1732.5	100	0	6.69	<=13	Pass
	1745	100	0	6.70	<=13	Pass

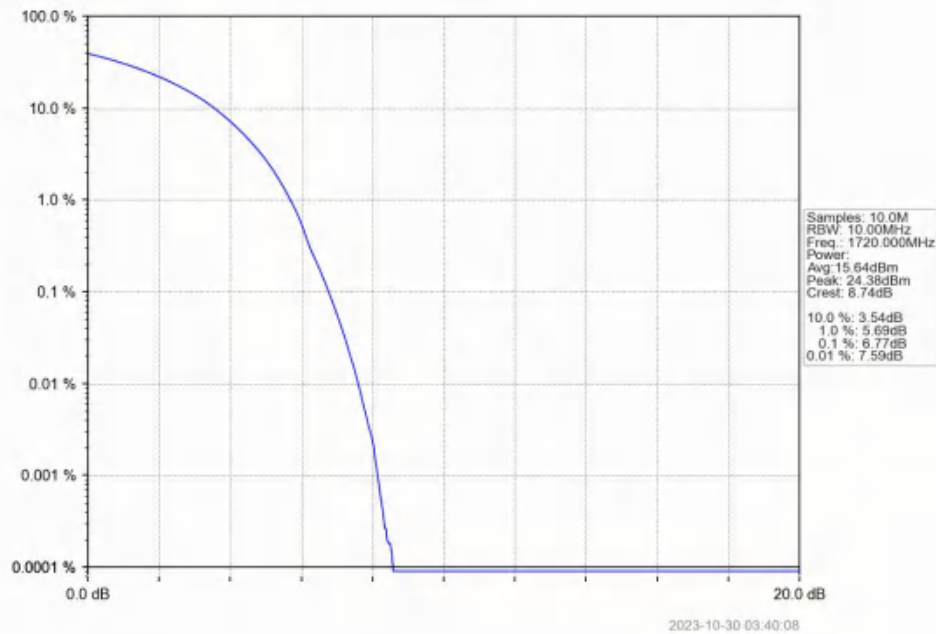
5.6.2 Test Graph



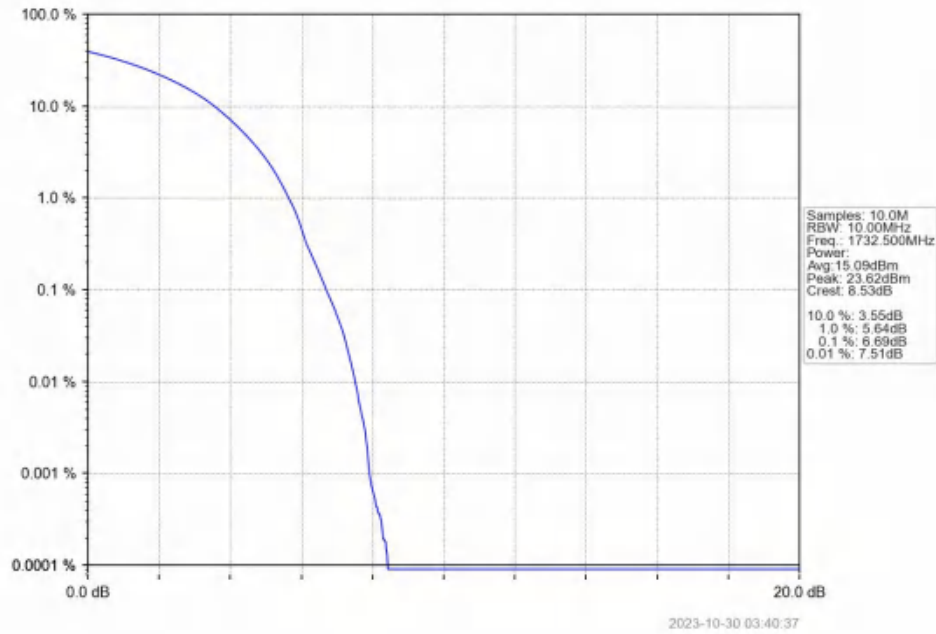
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



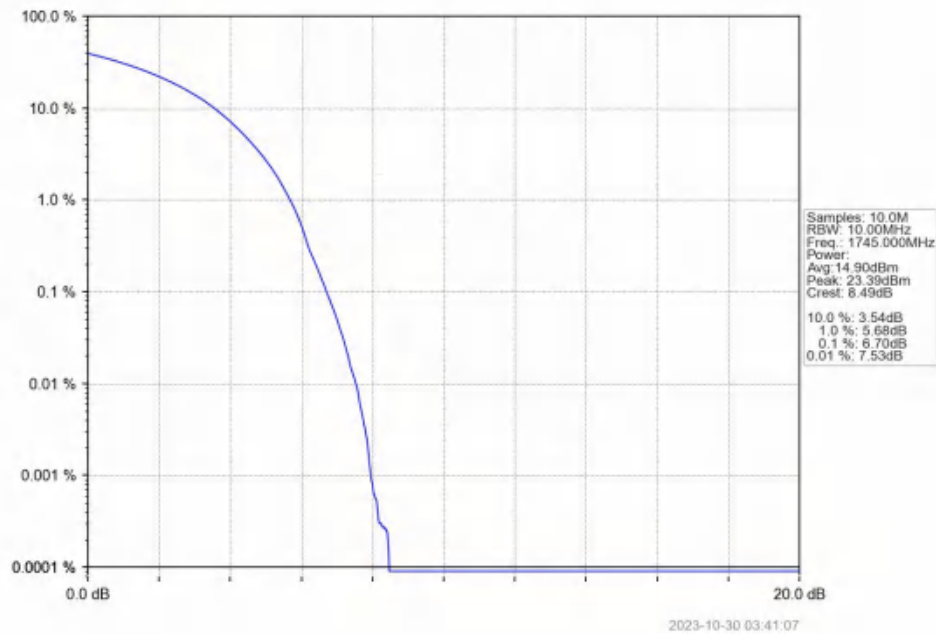
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



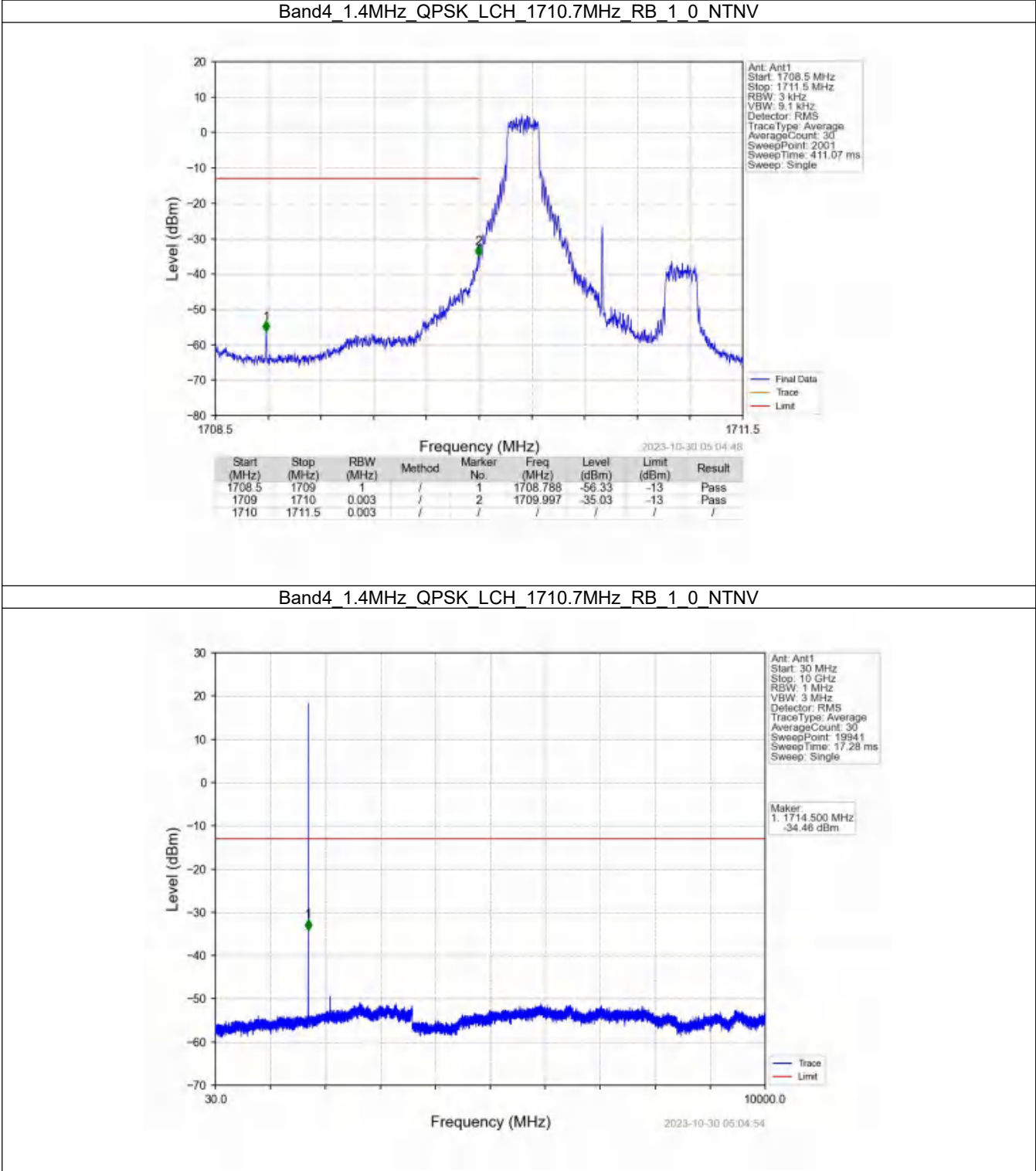
6. Spurious Emission

6.1 B4_1.4MHz

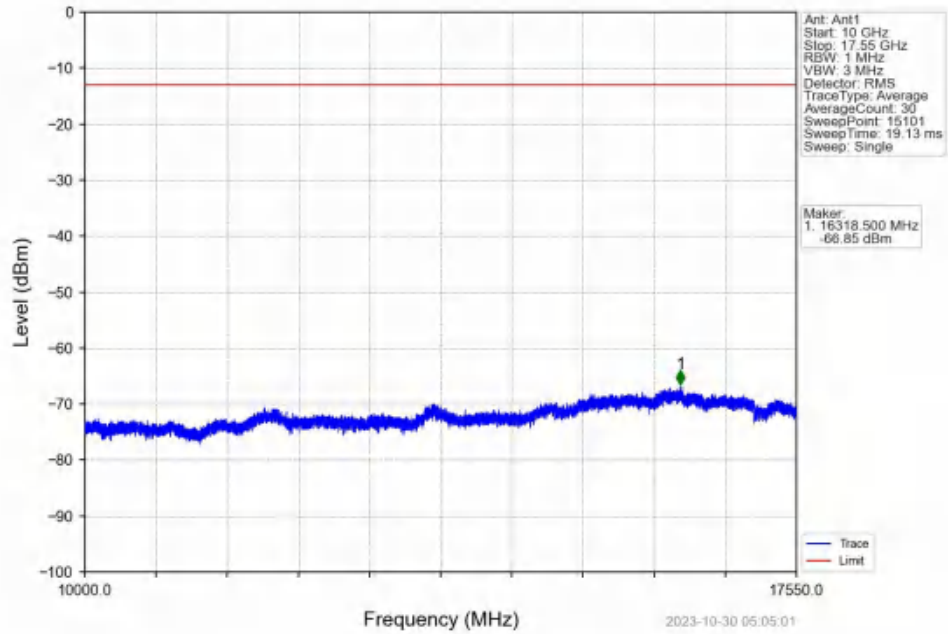
6.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV						
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

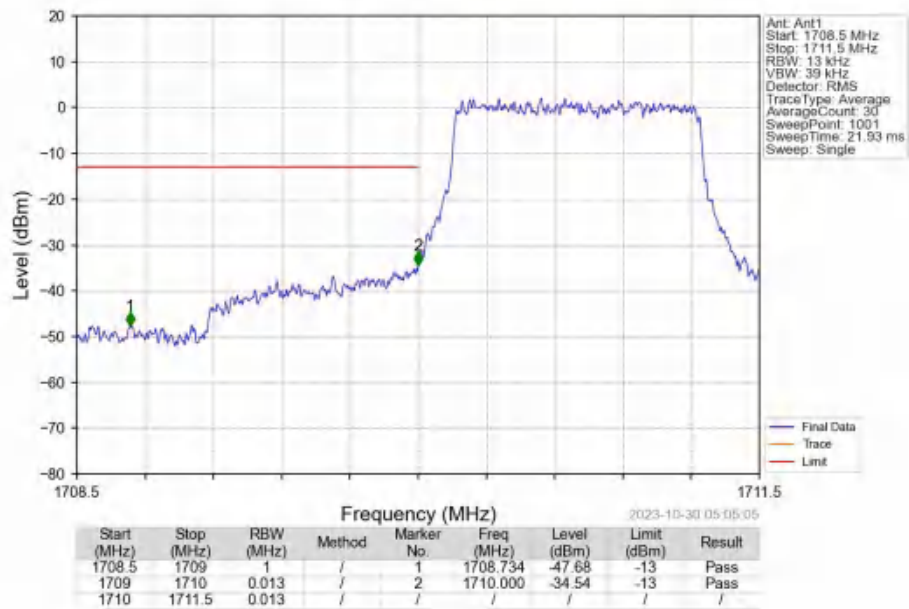
6.1.2 Test Graph



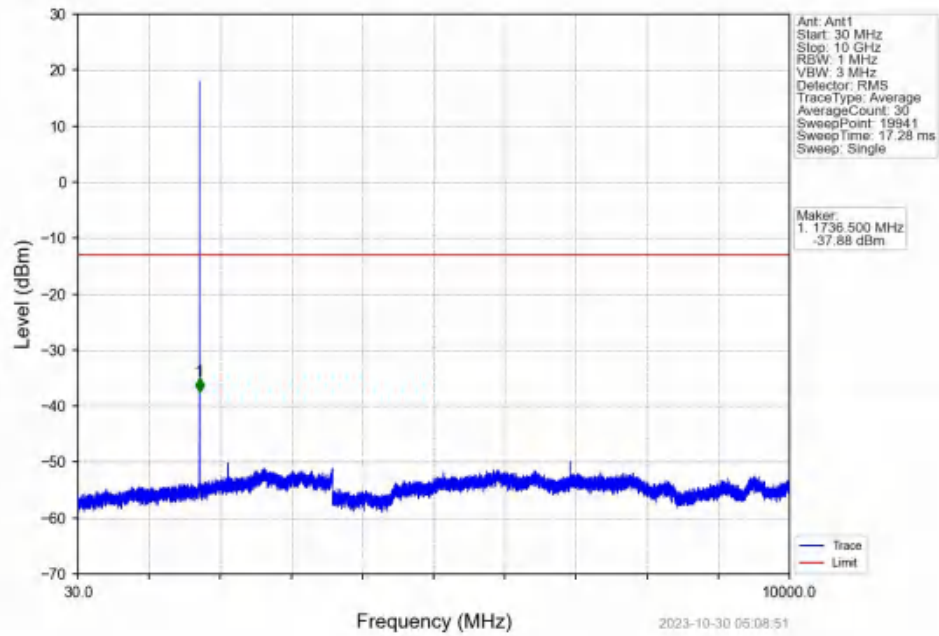
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



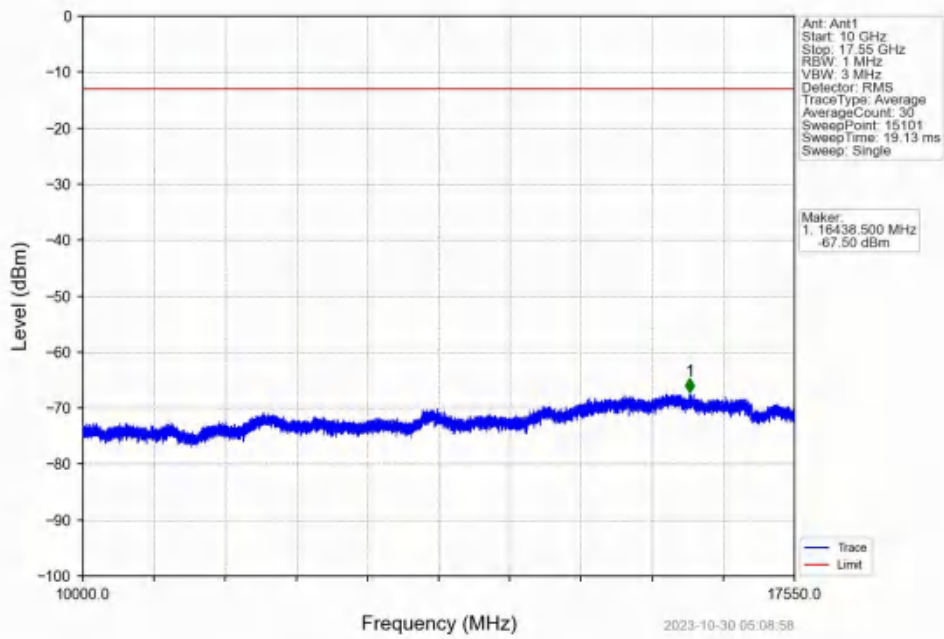
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



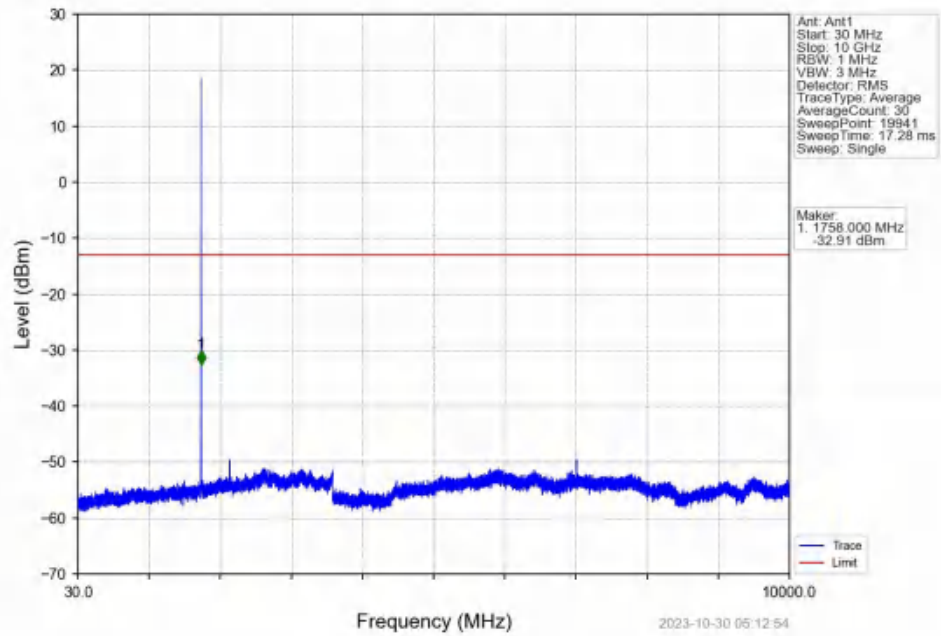
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



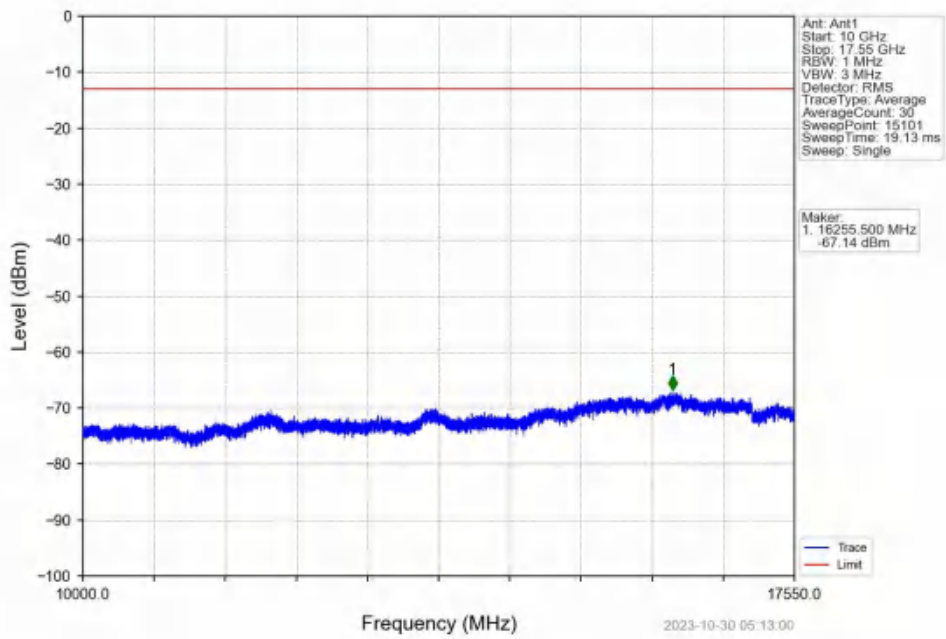
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



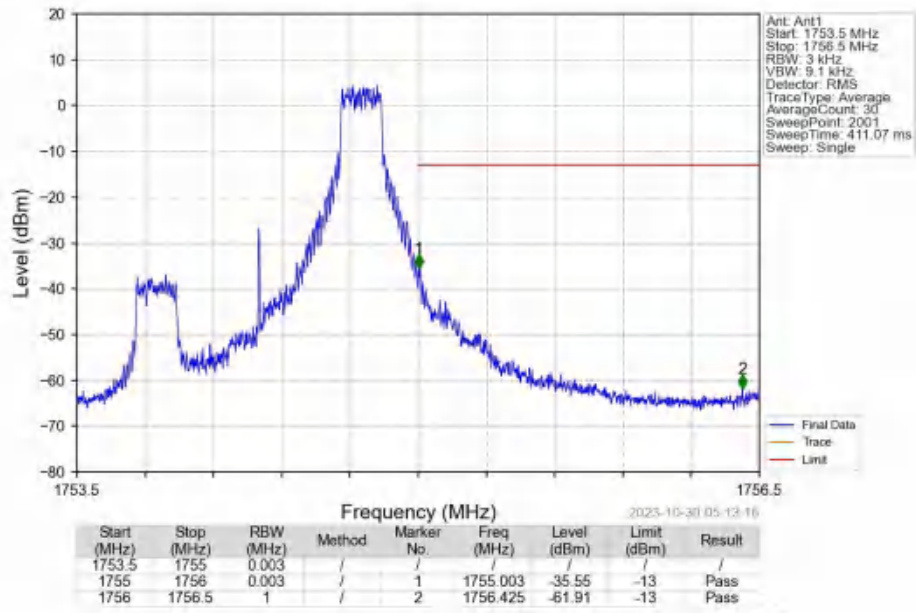
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



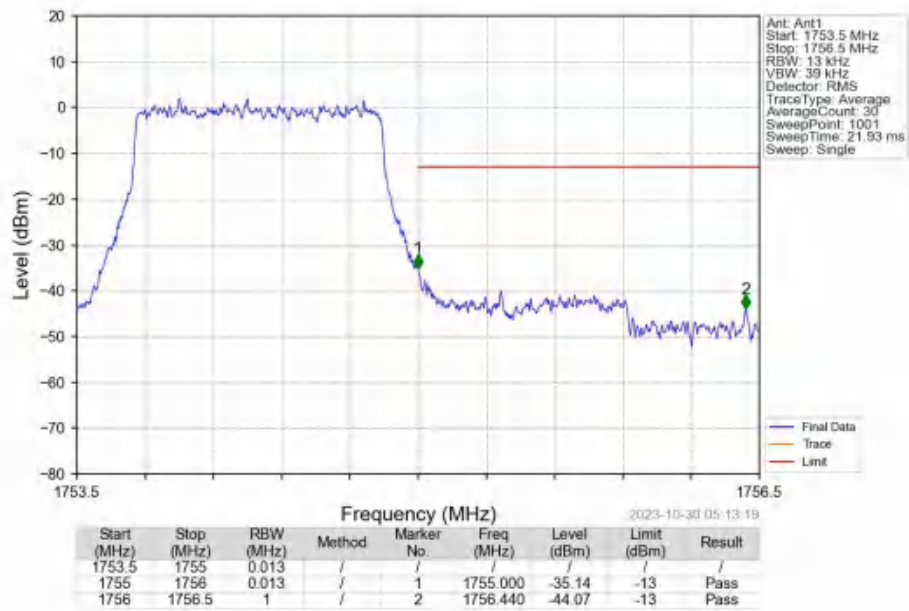
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



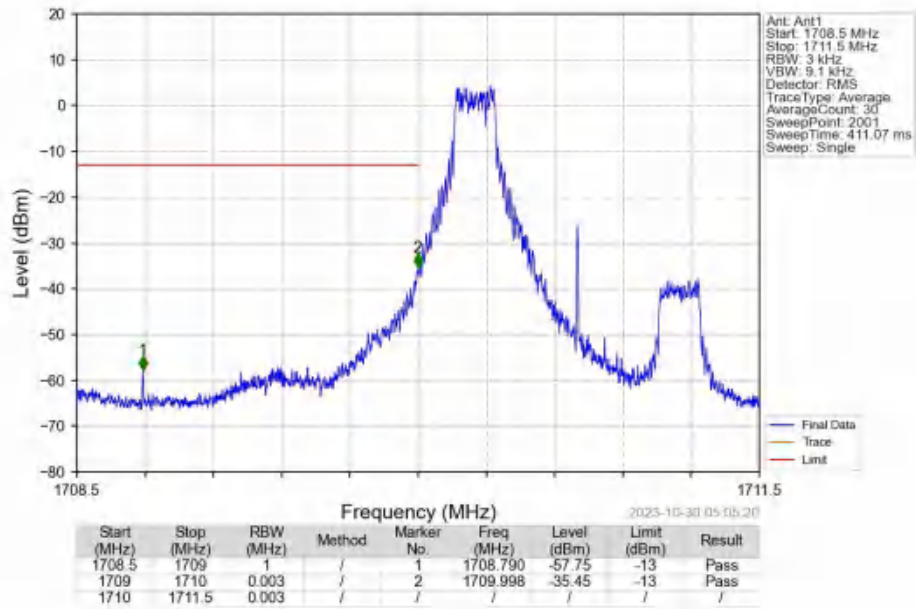
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



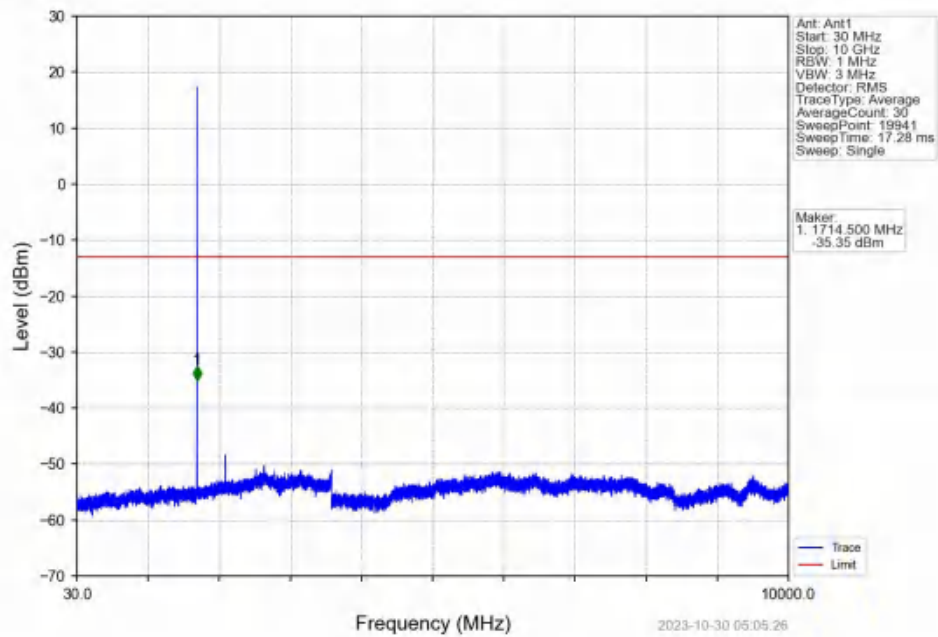
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



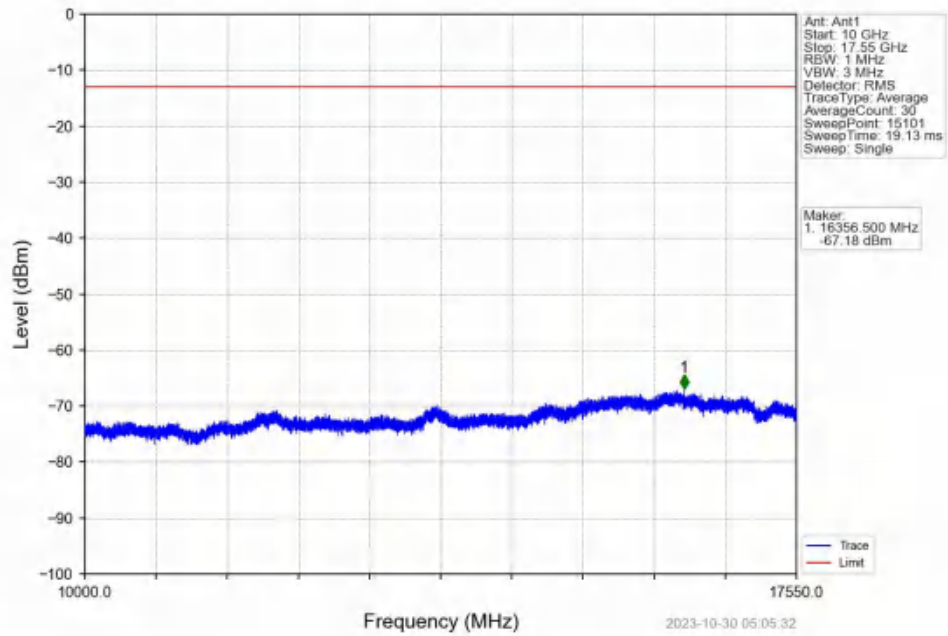
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



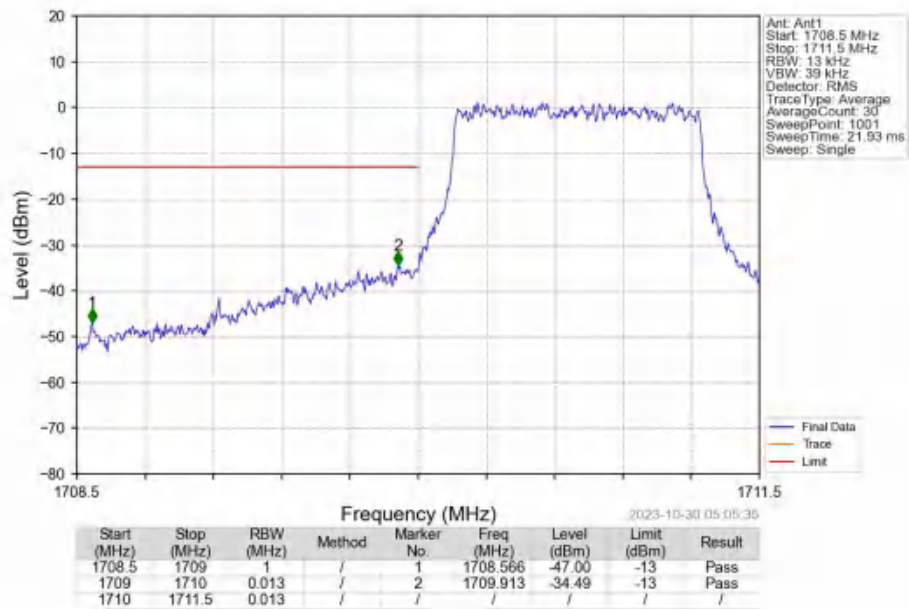
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



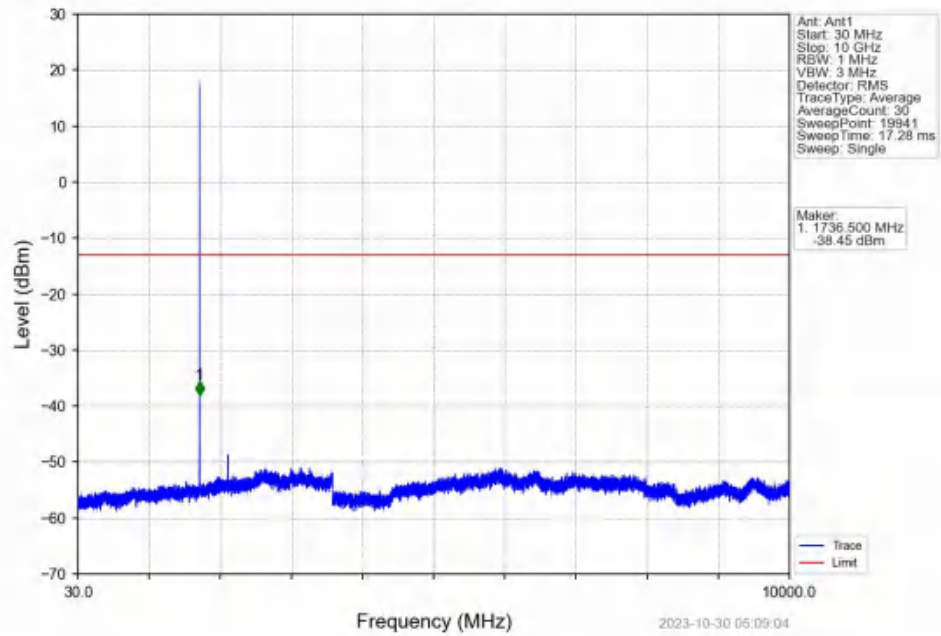
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



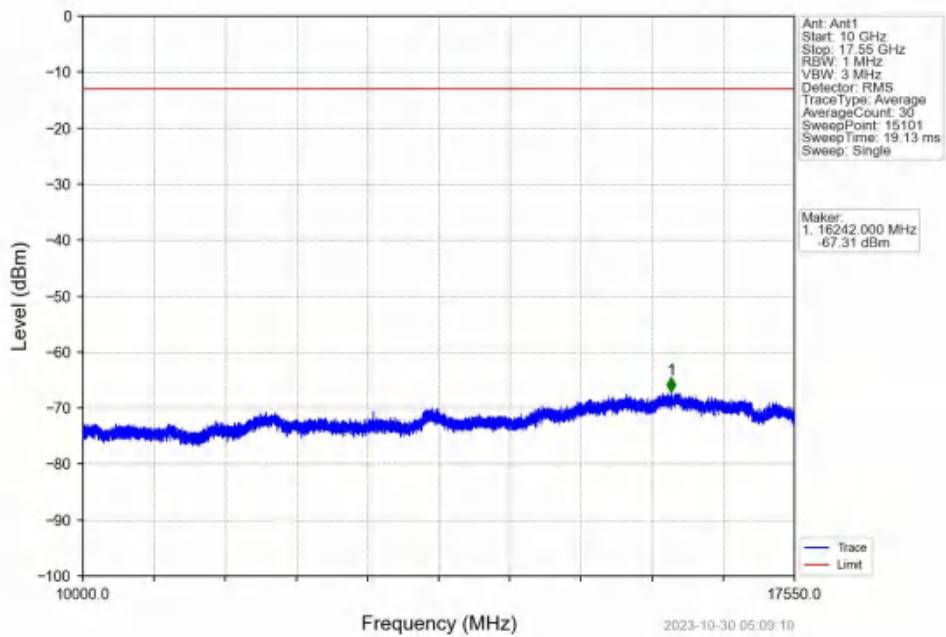
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



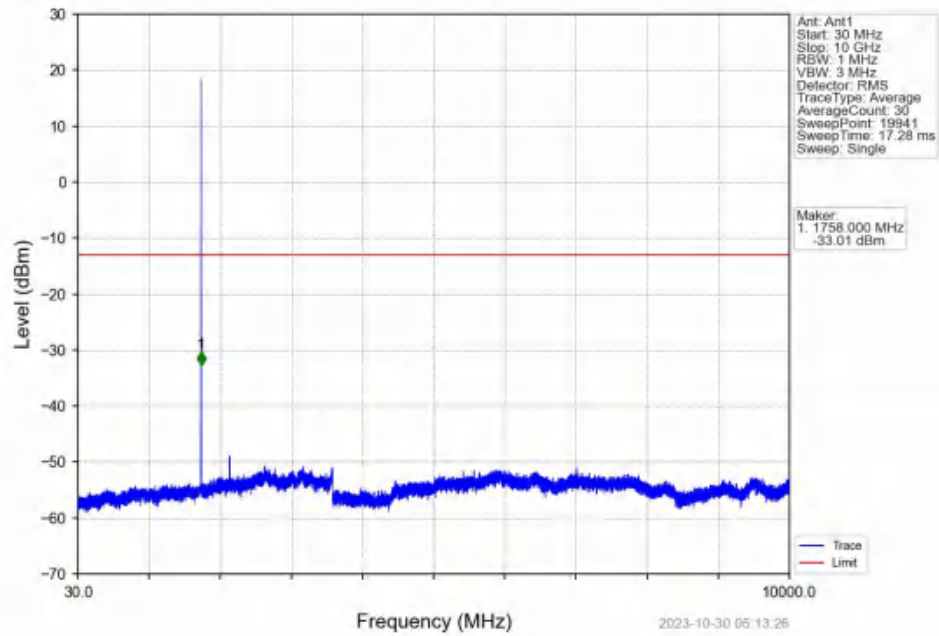
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



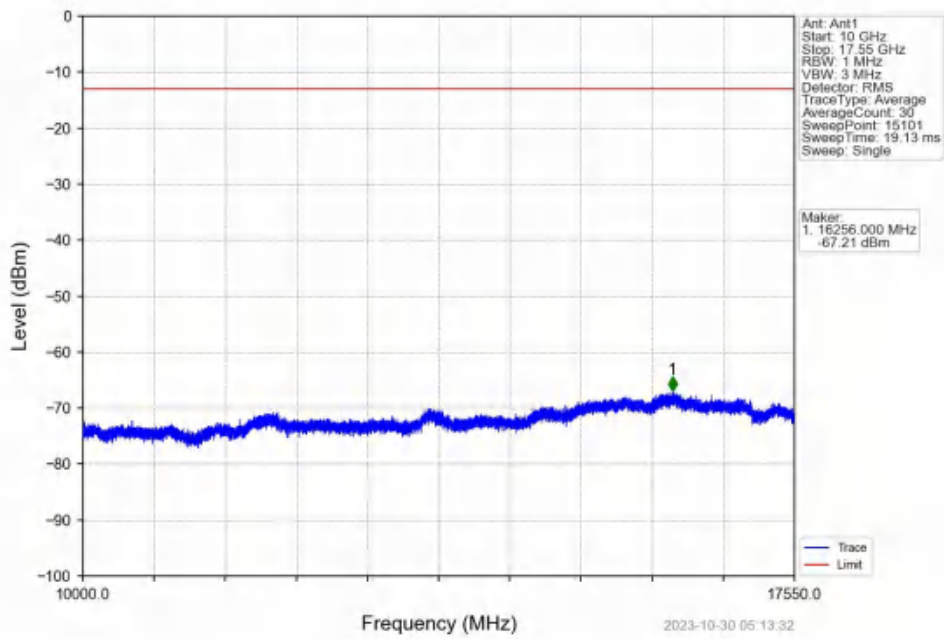
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



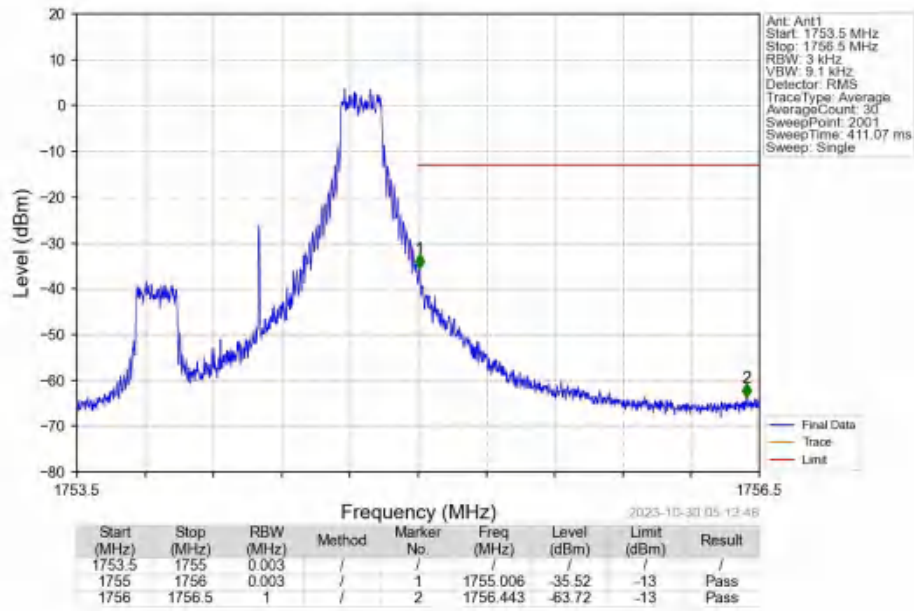
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



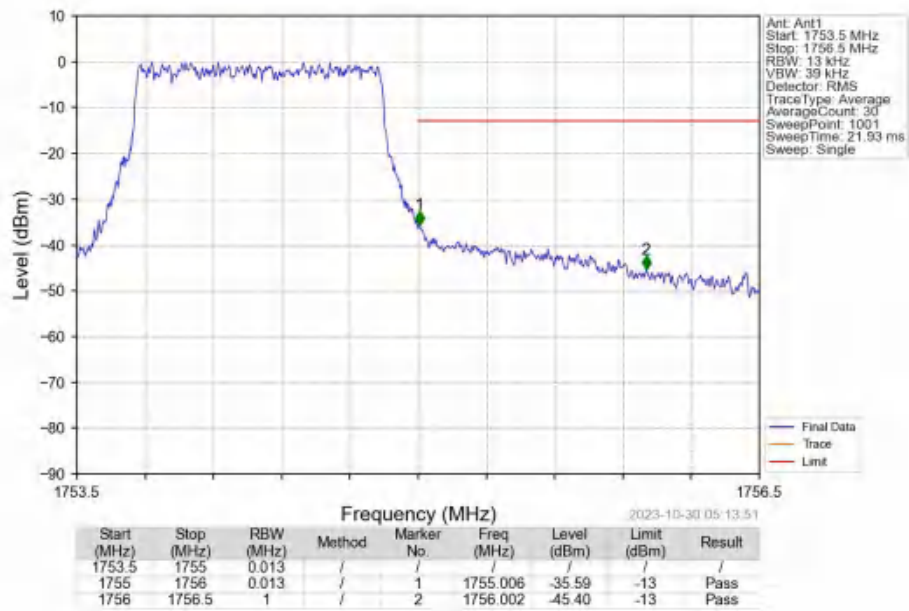
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

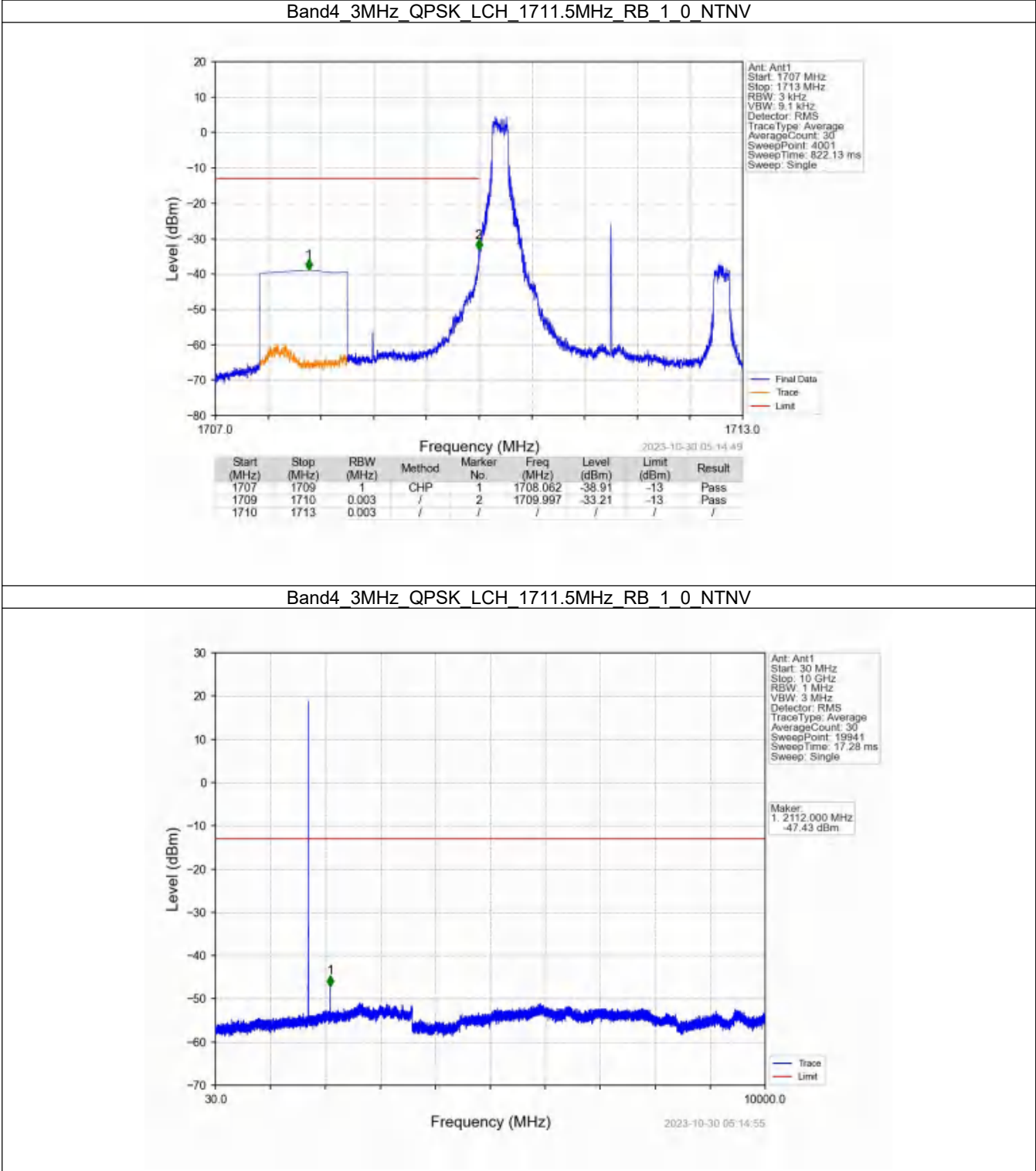


6.2 B4_3MHz

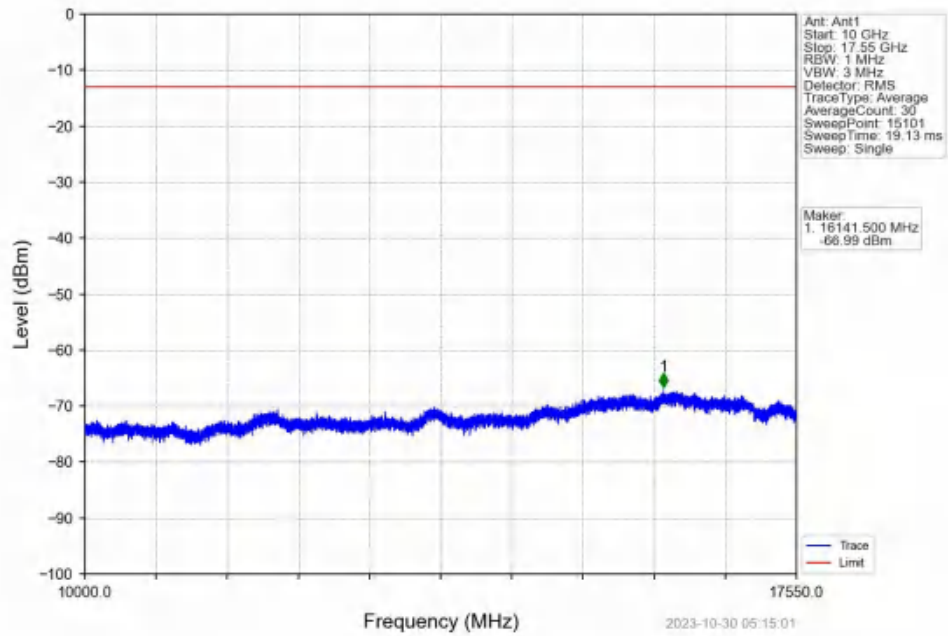
6.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTVN						
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

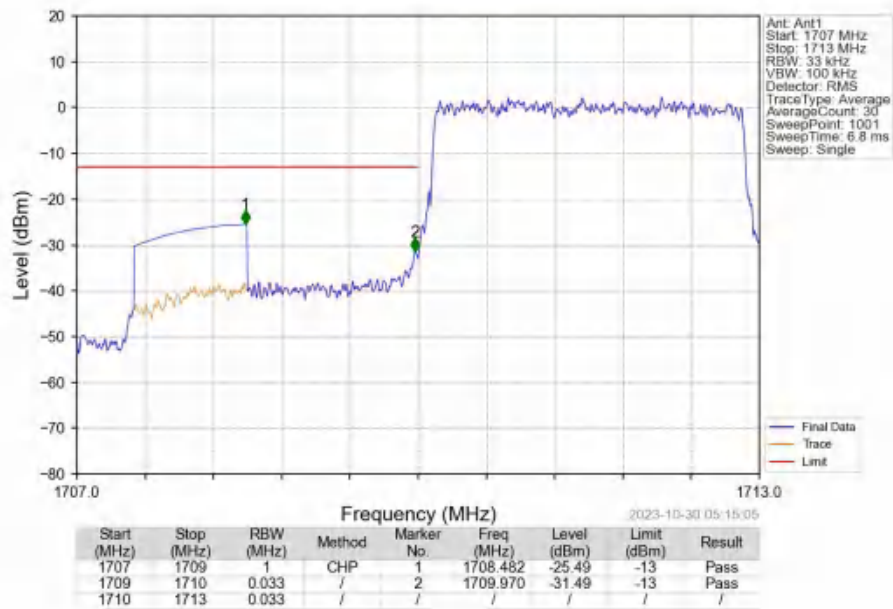
6.2.2 Test Graph



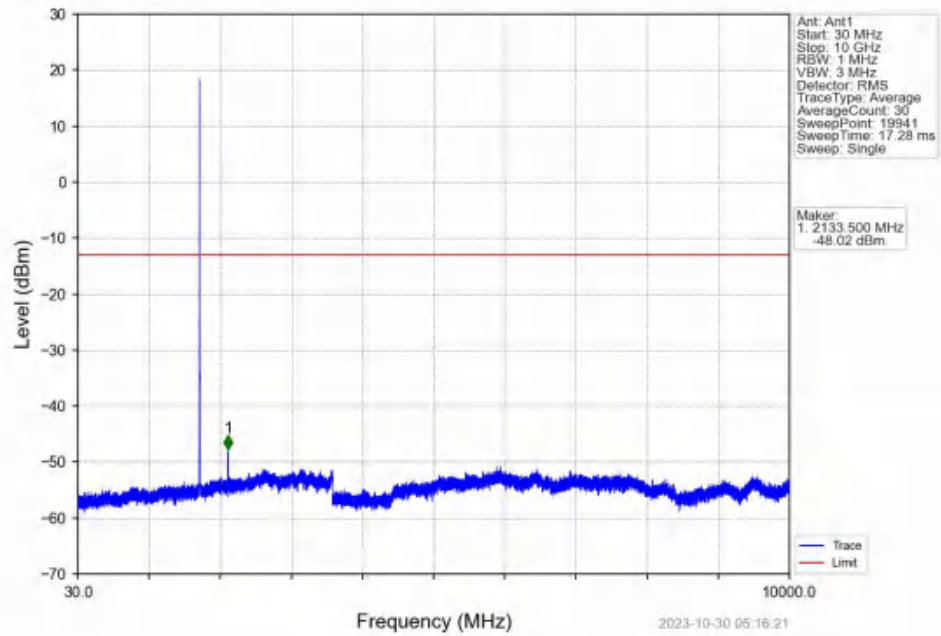
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



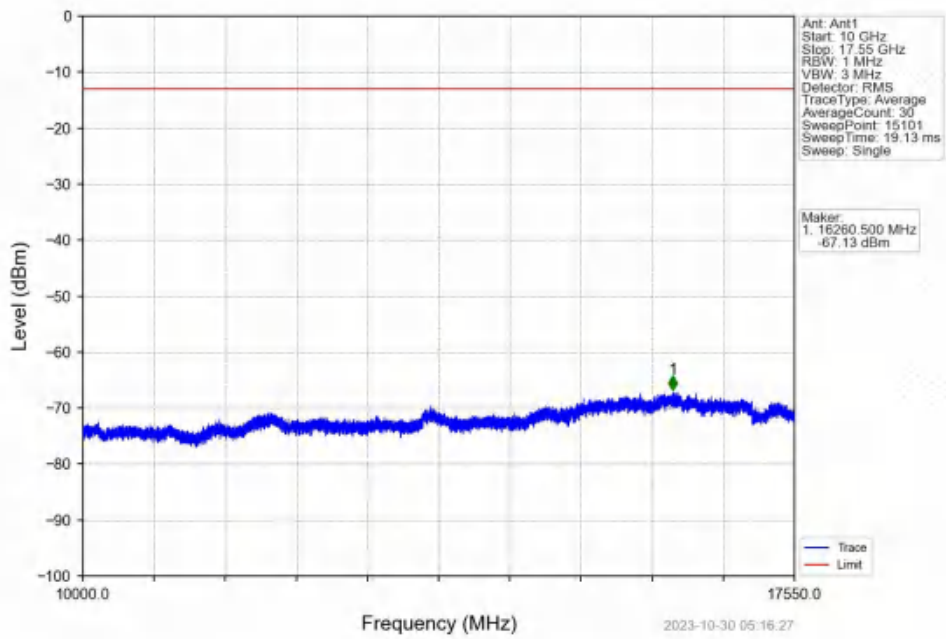
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



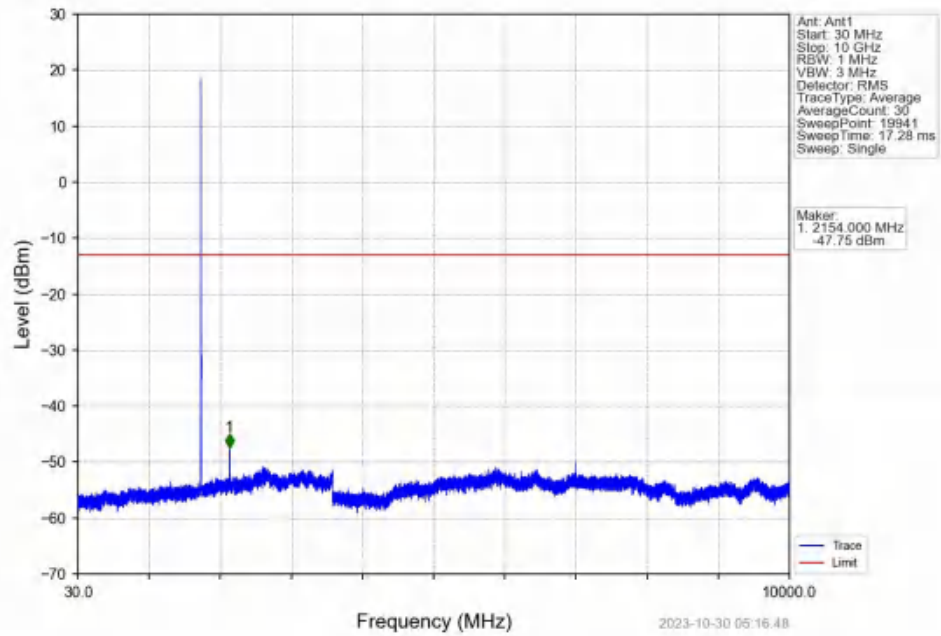
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



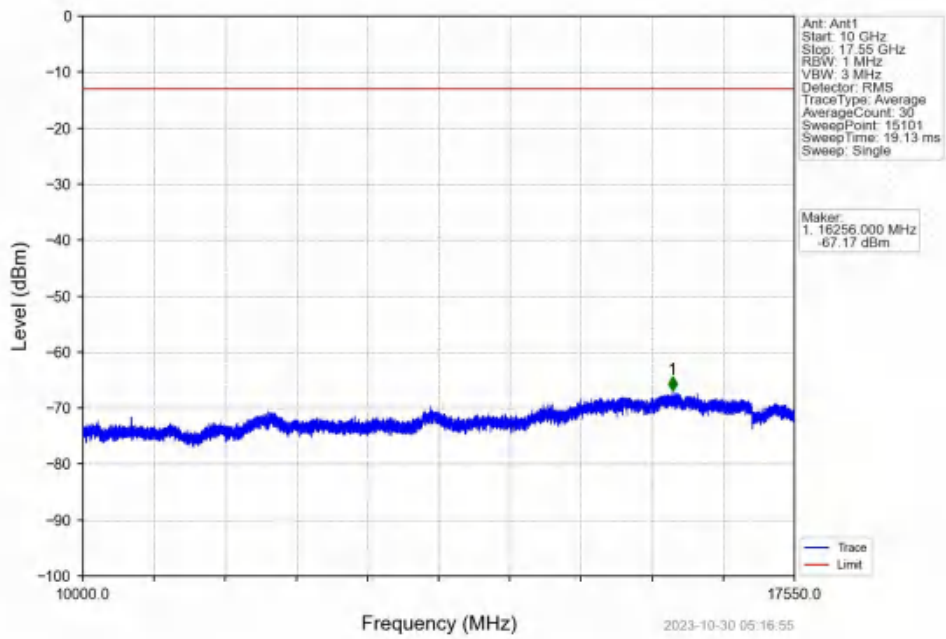
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



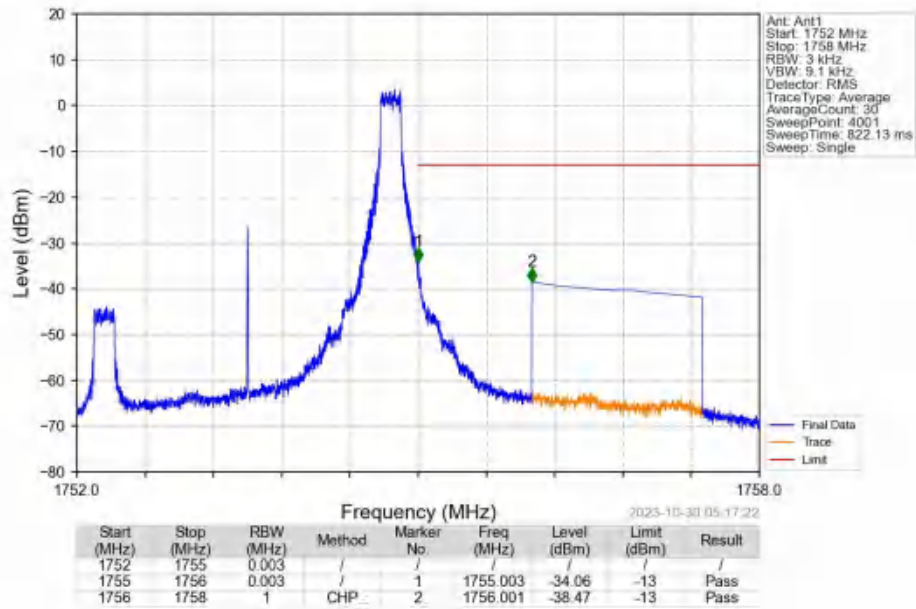
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



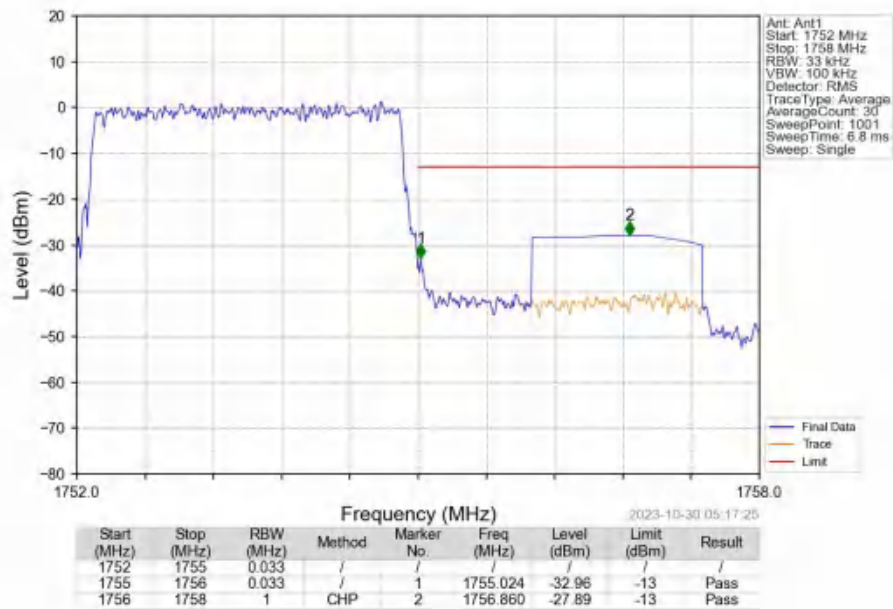
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



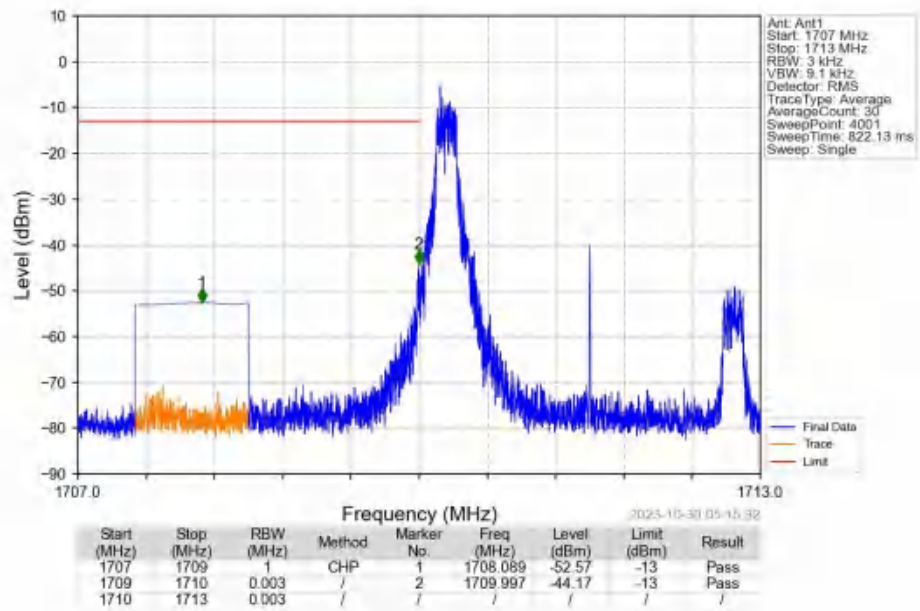
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



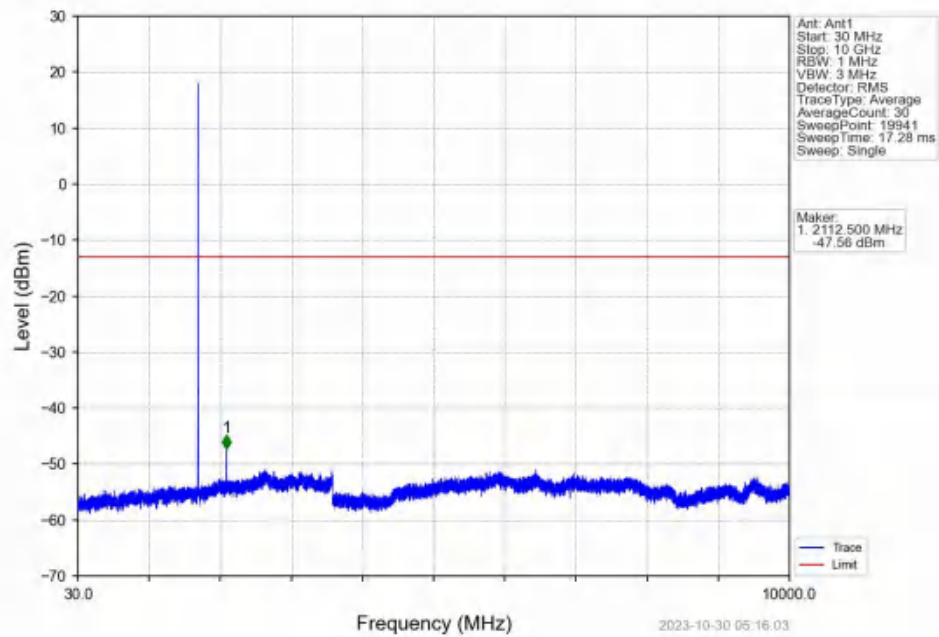
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



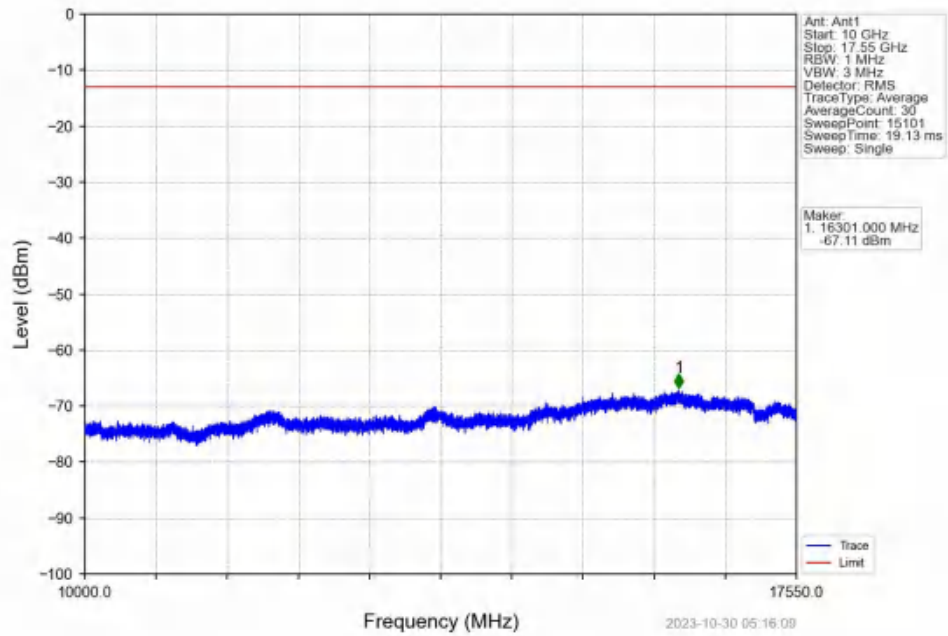
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



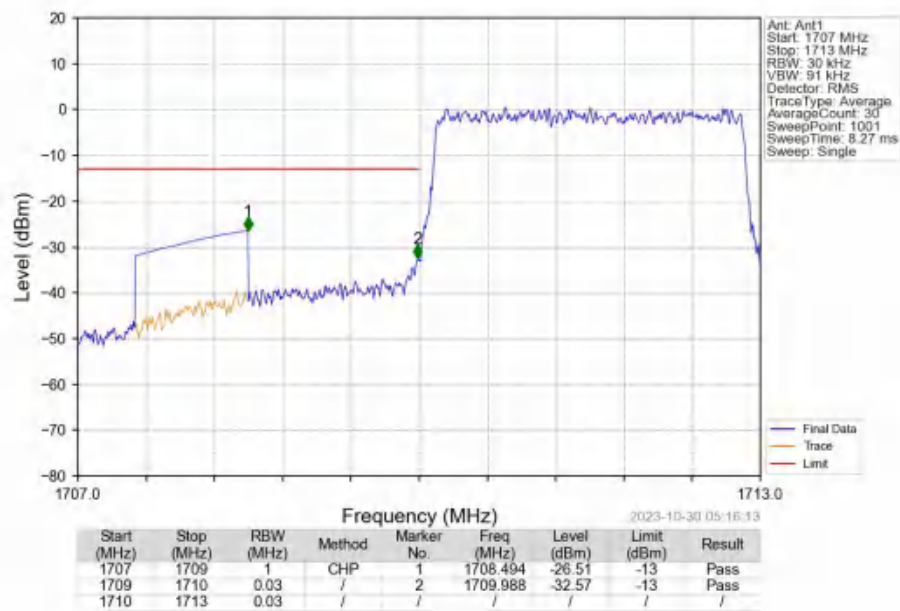
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



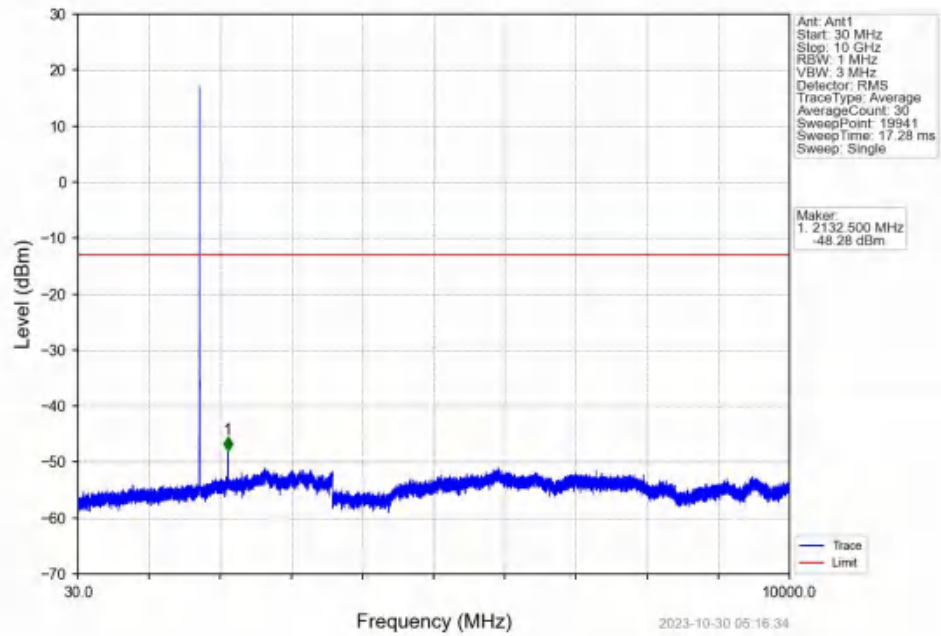
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



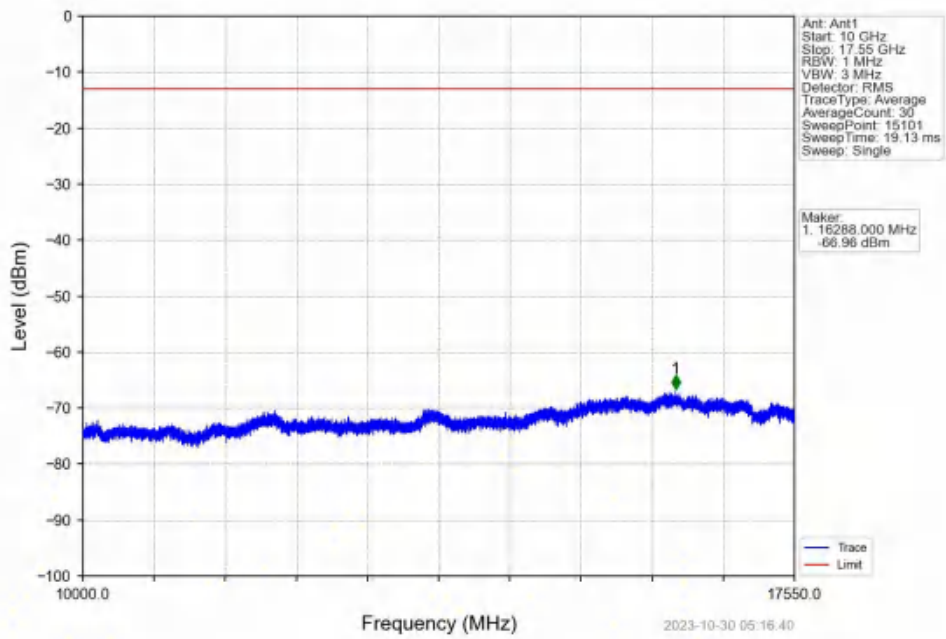
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



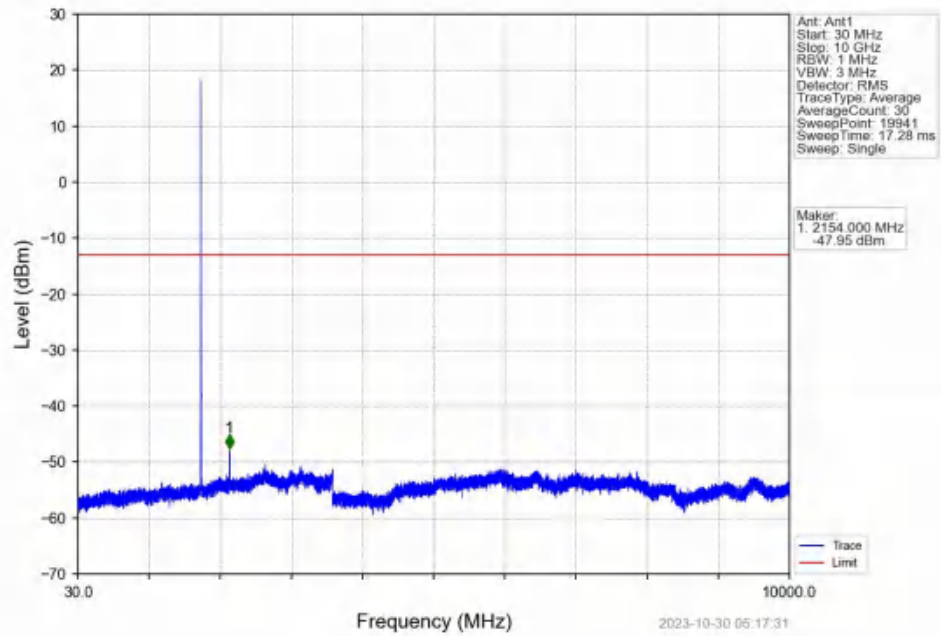
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



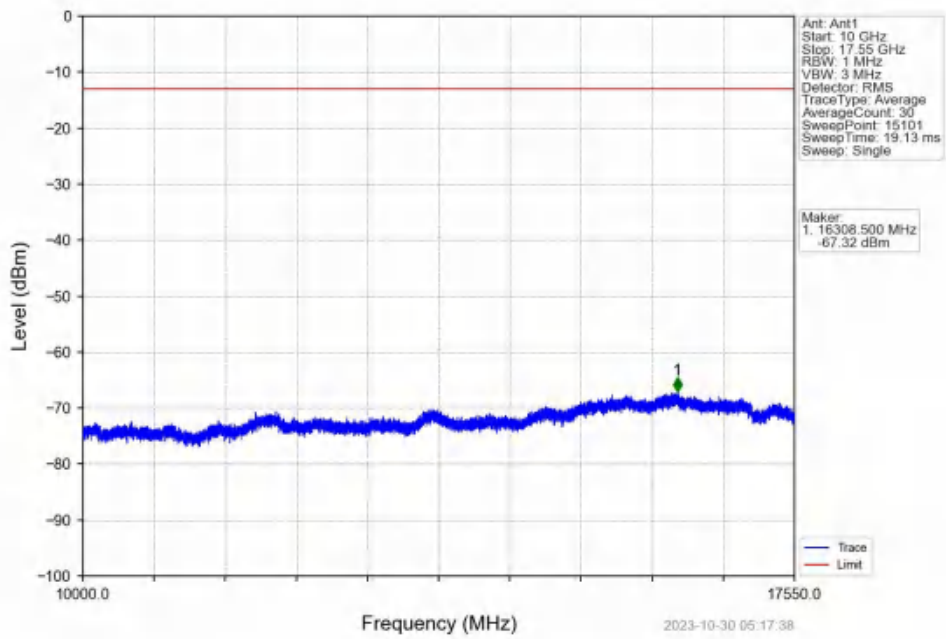
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



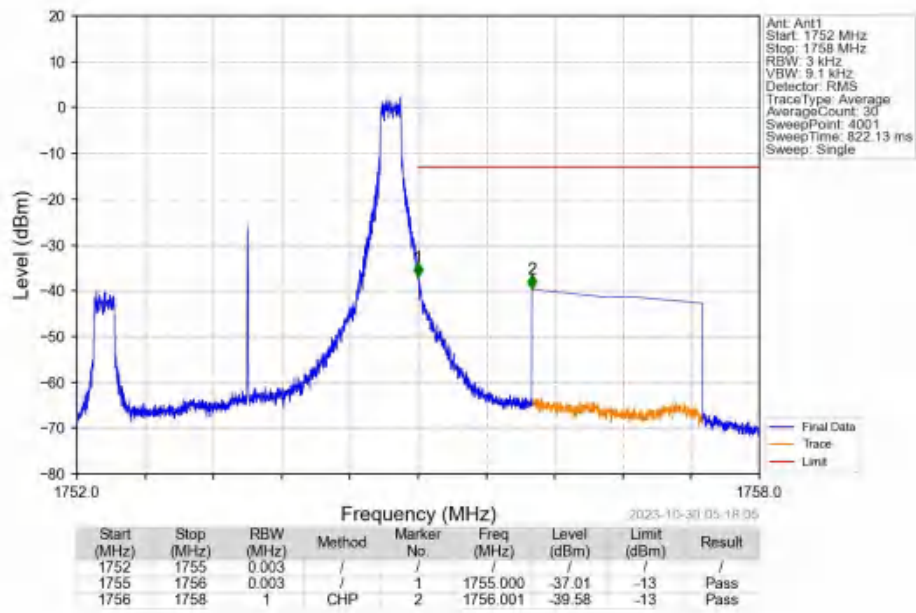
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



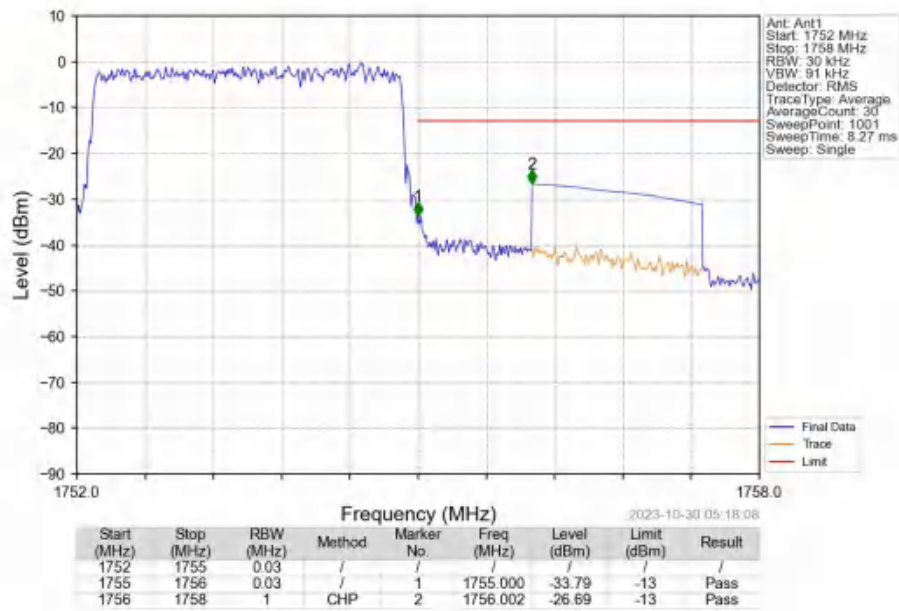
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

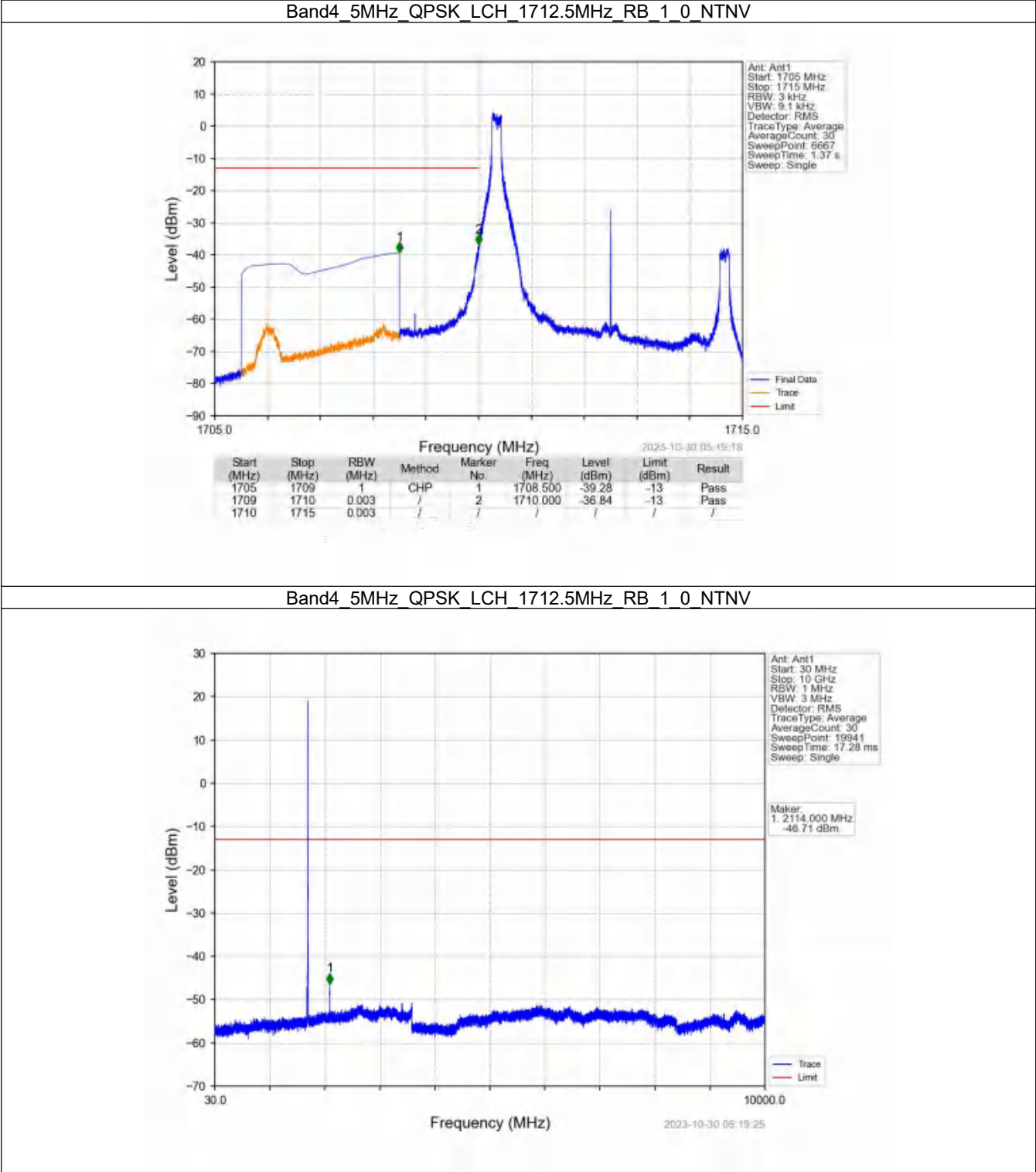


6.3 B4_5MHz

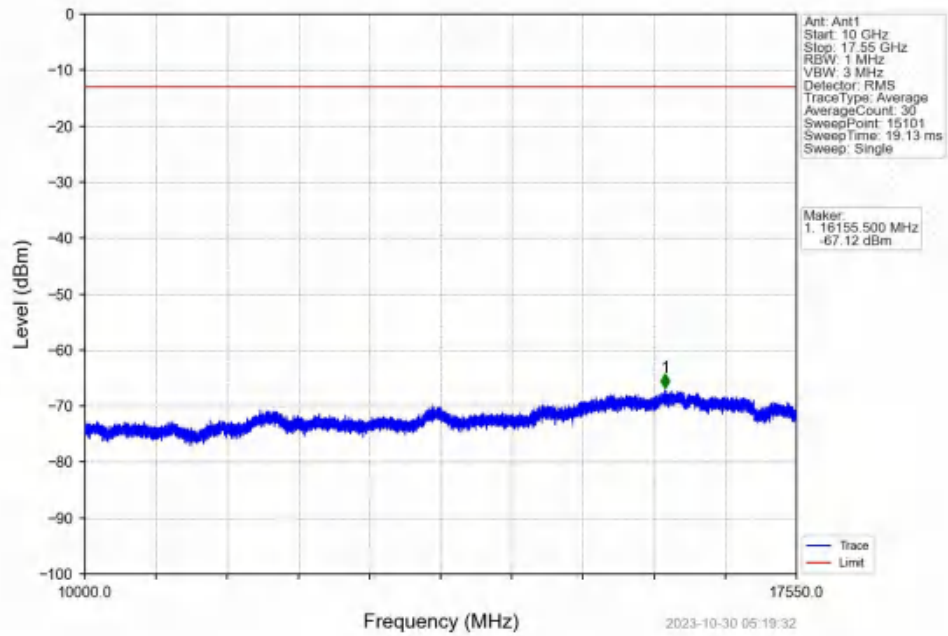
6.3.1 Test Result

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

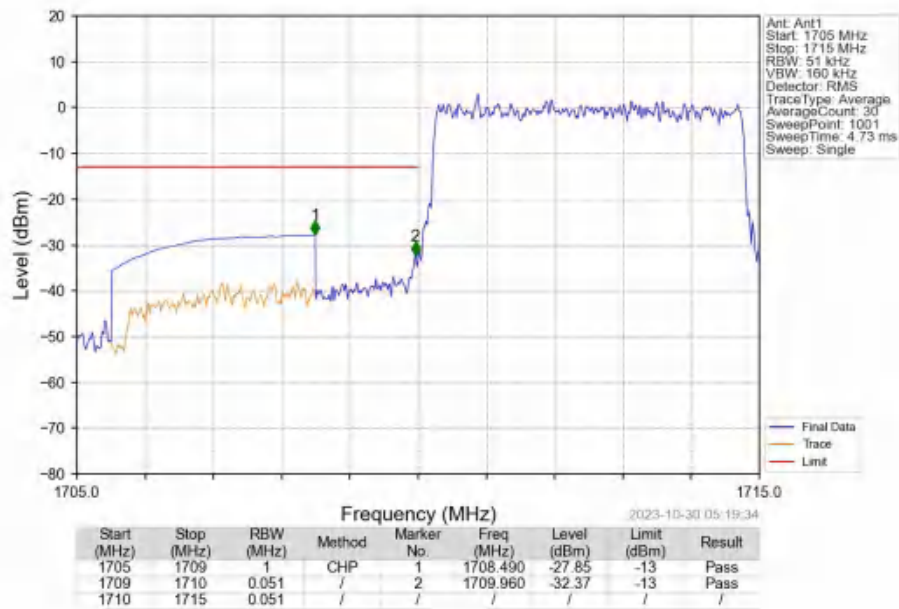
6.3.2 Test Graph



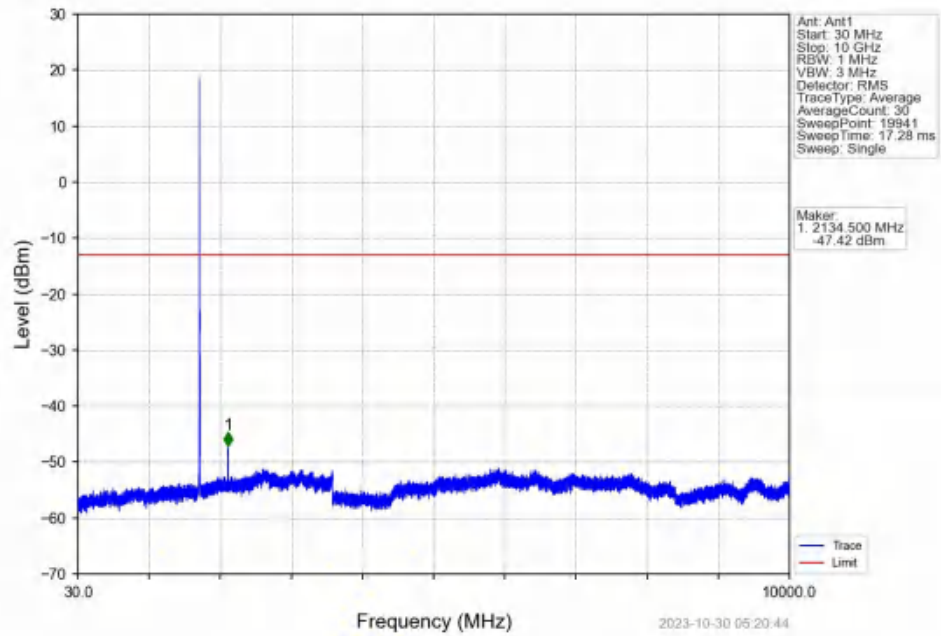
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



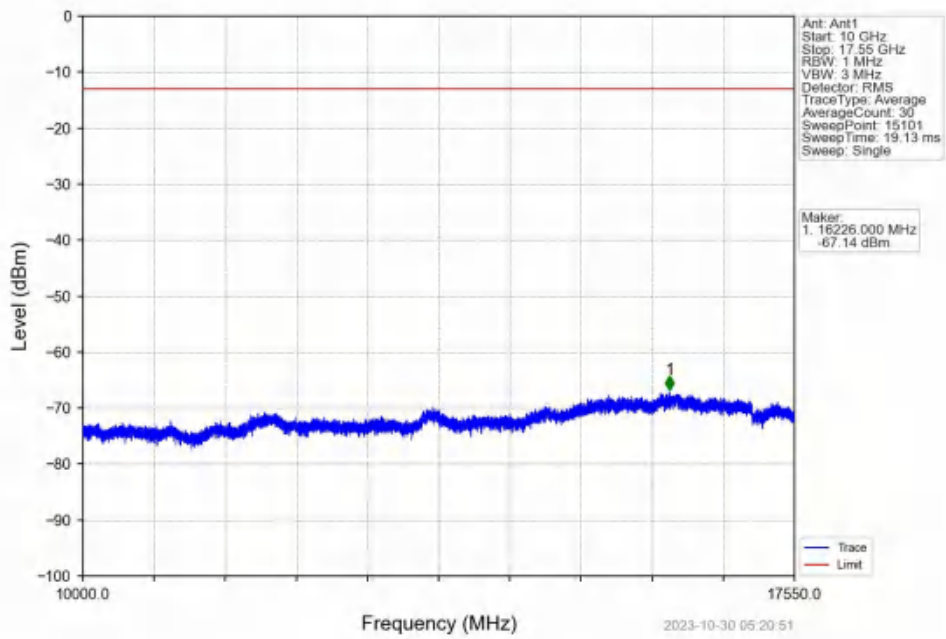
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



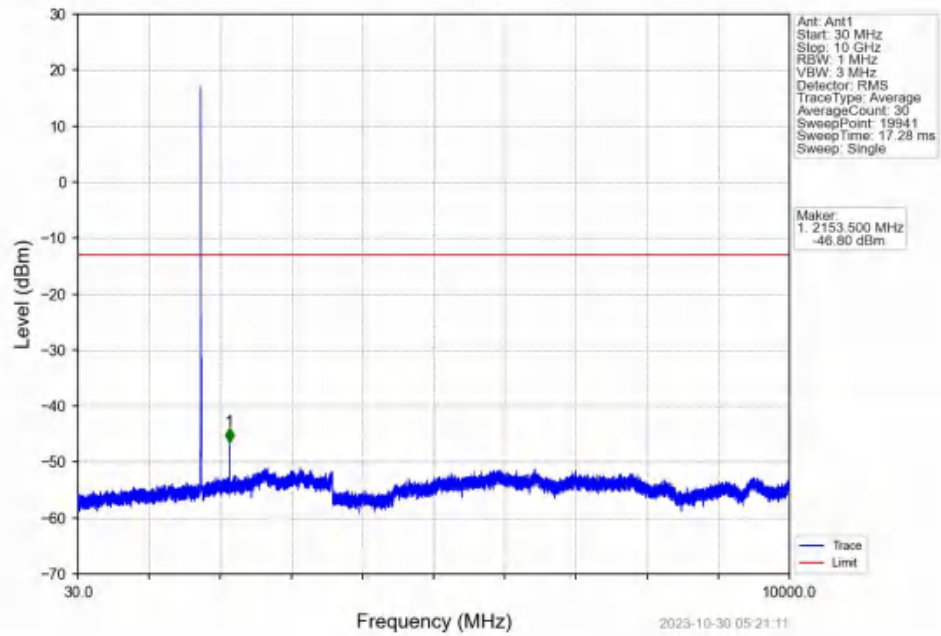
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



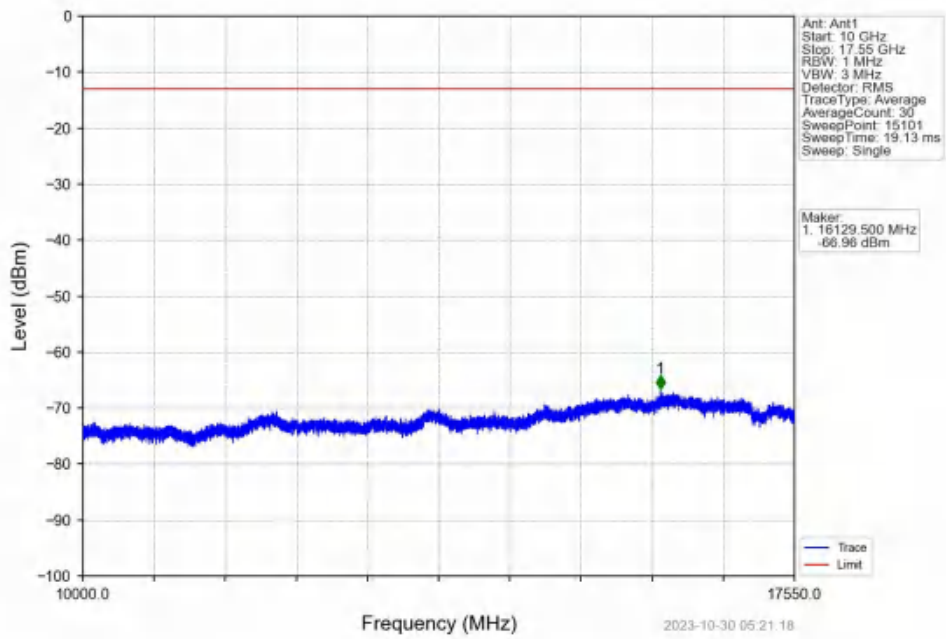
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



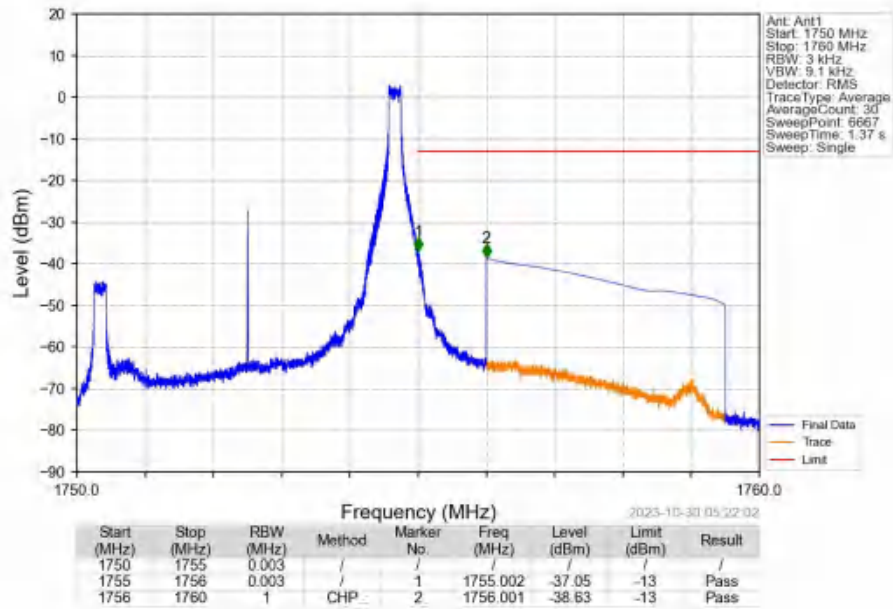
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



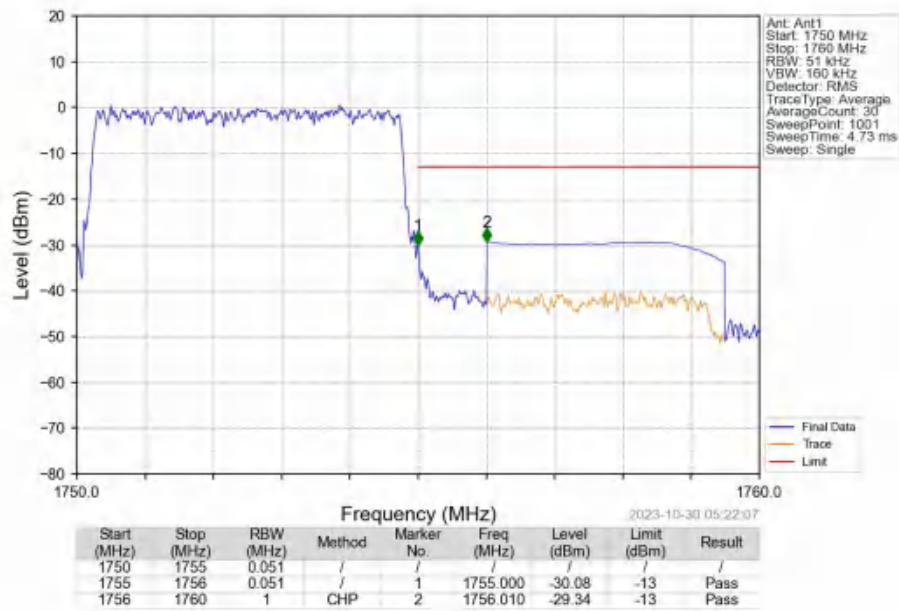
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



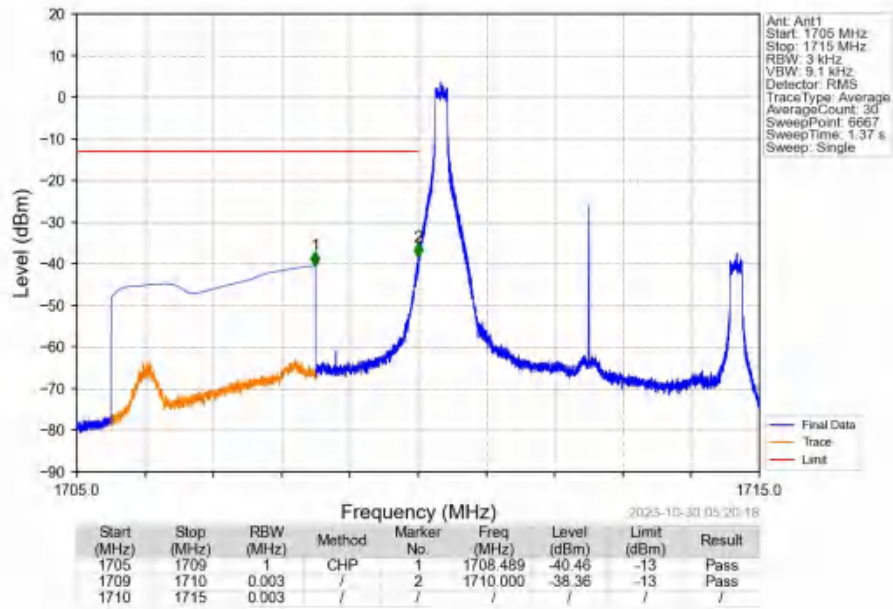
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



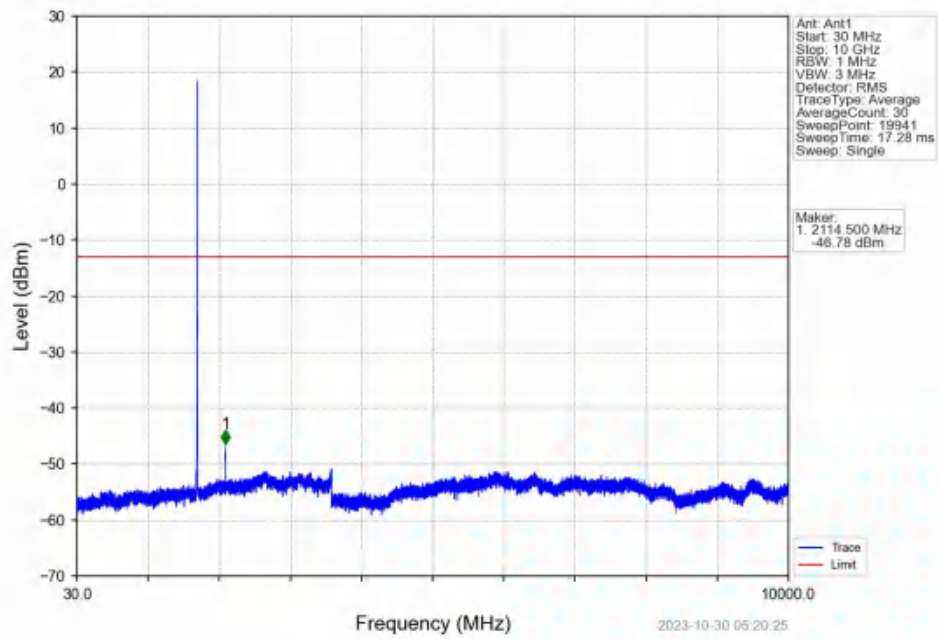
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



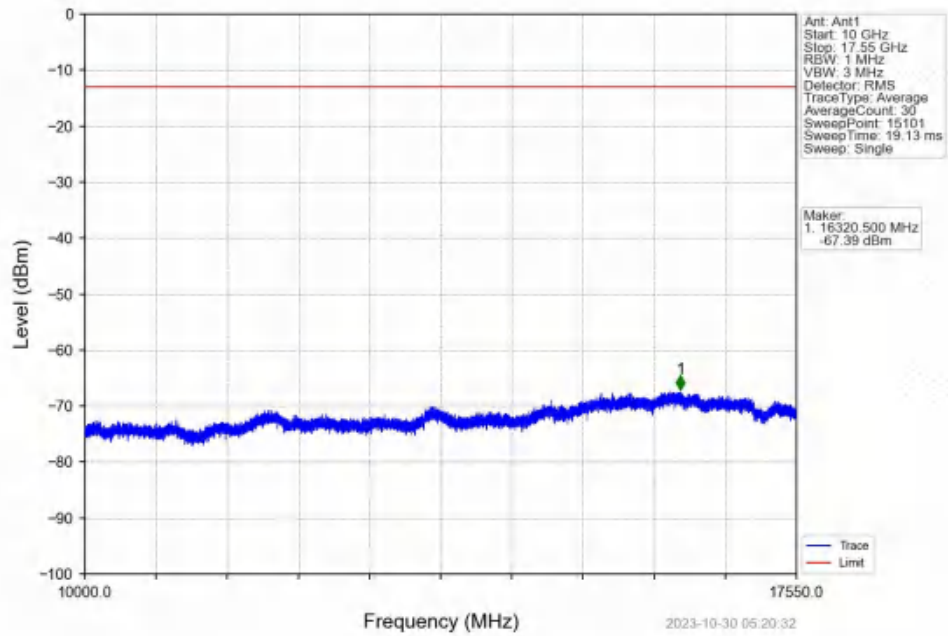
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



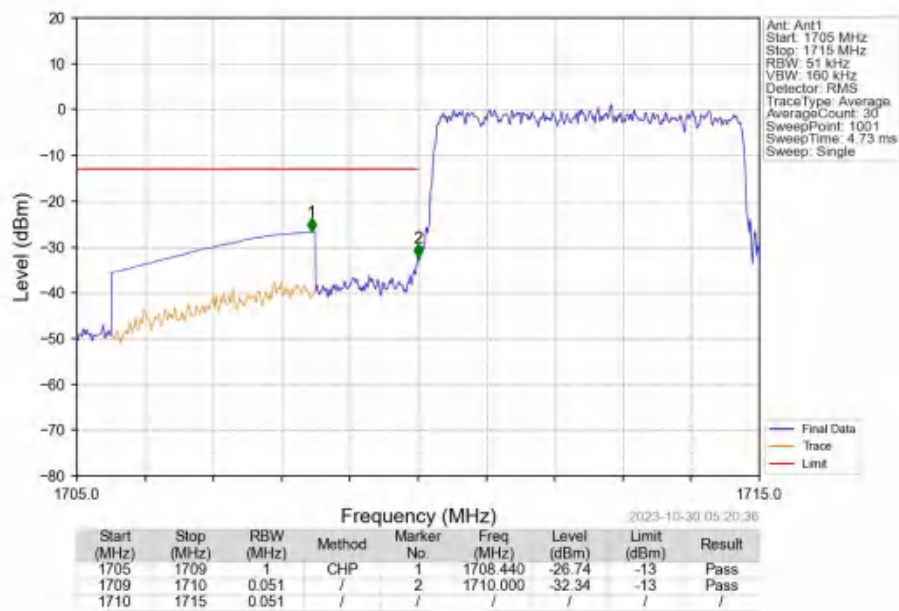
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



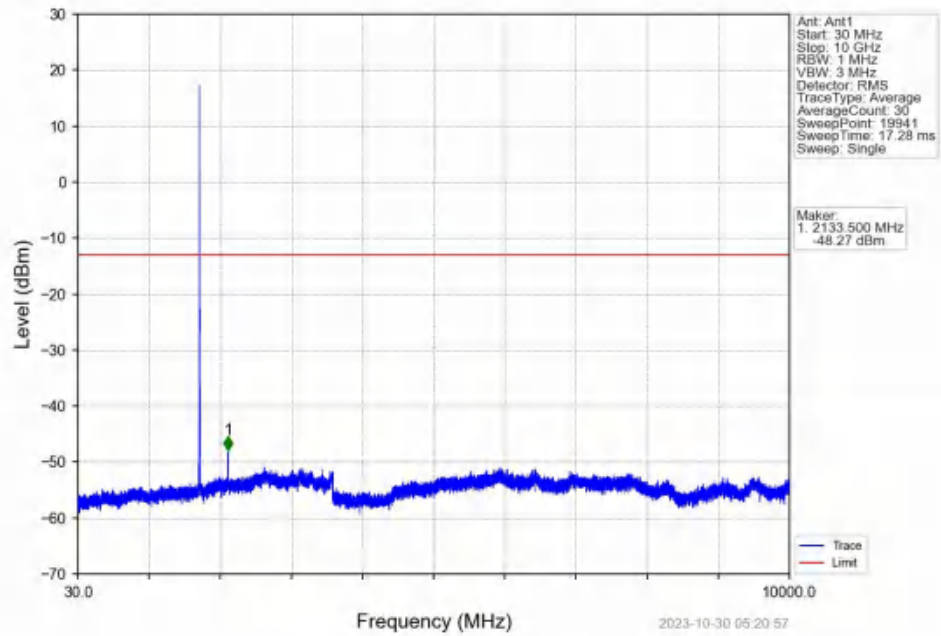
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



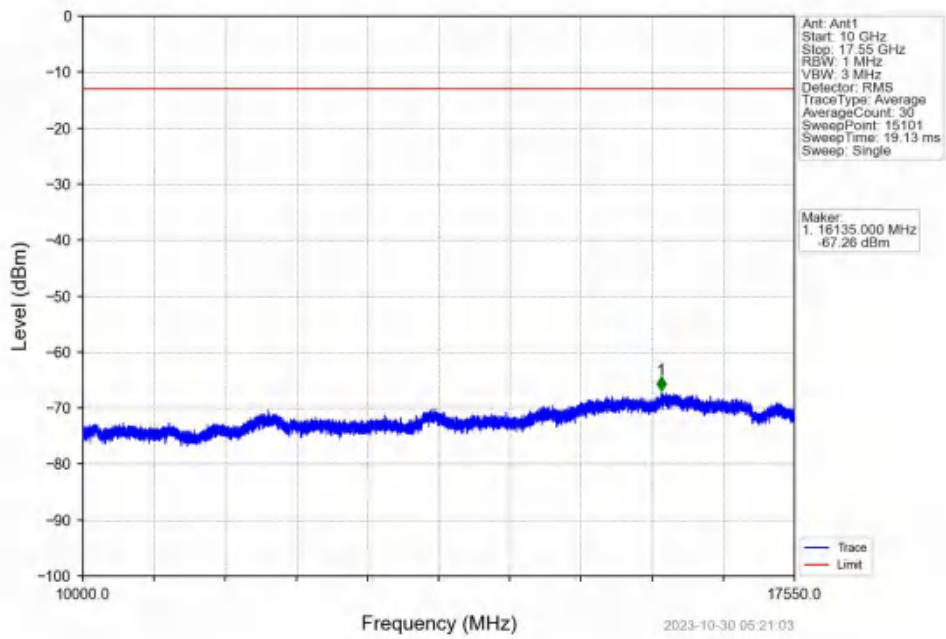
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



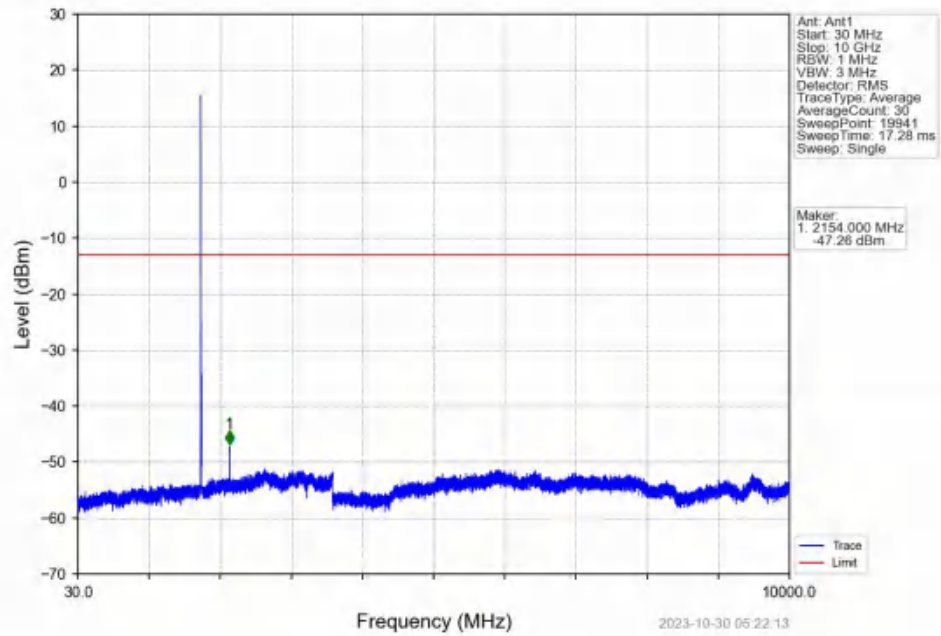
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



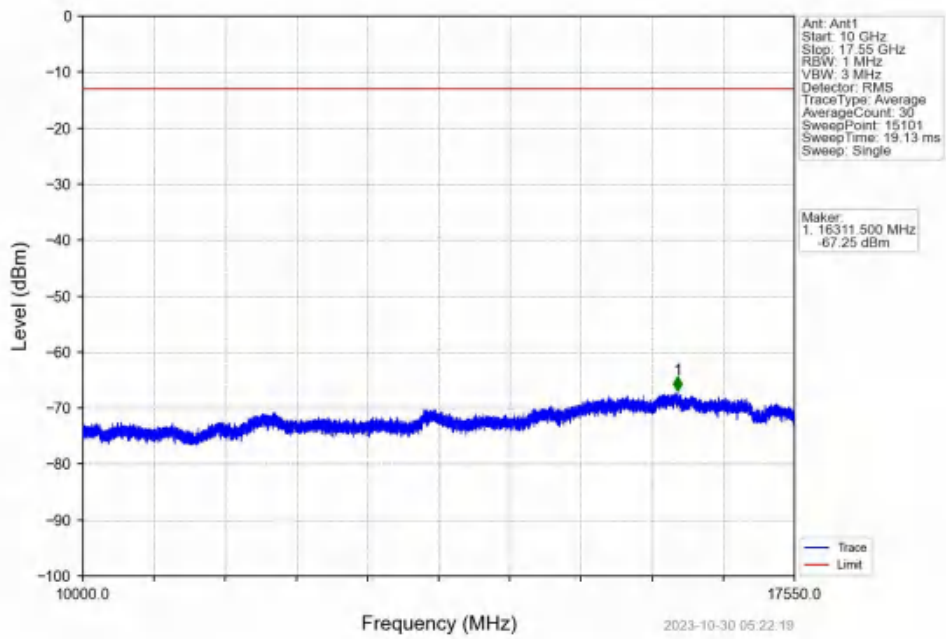
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



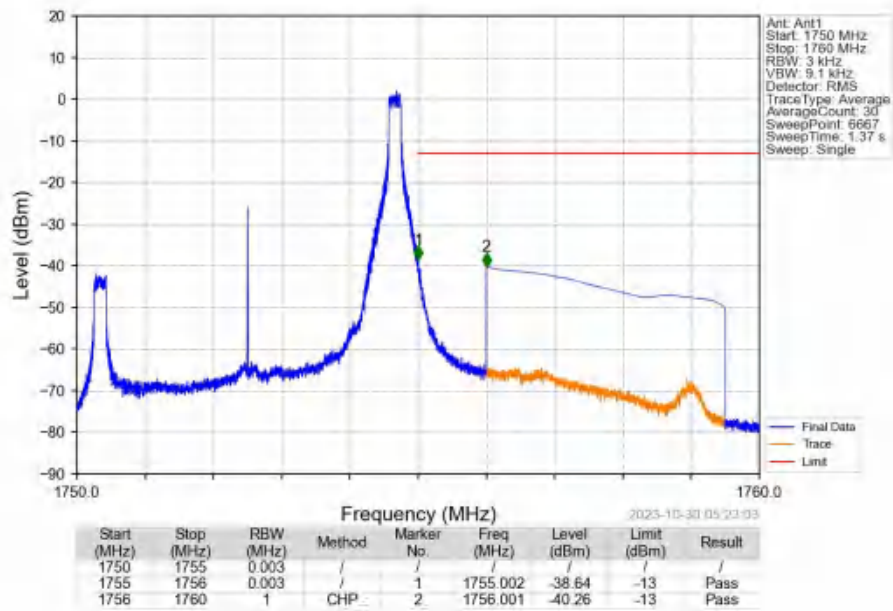
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV



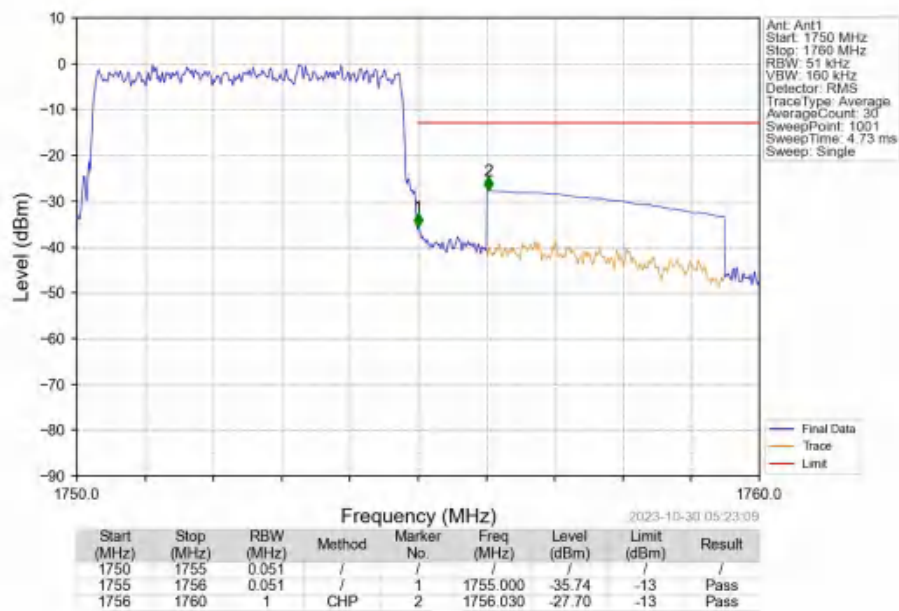
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_24_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

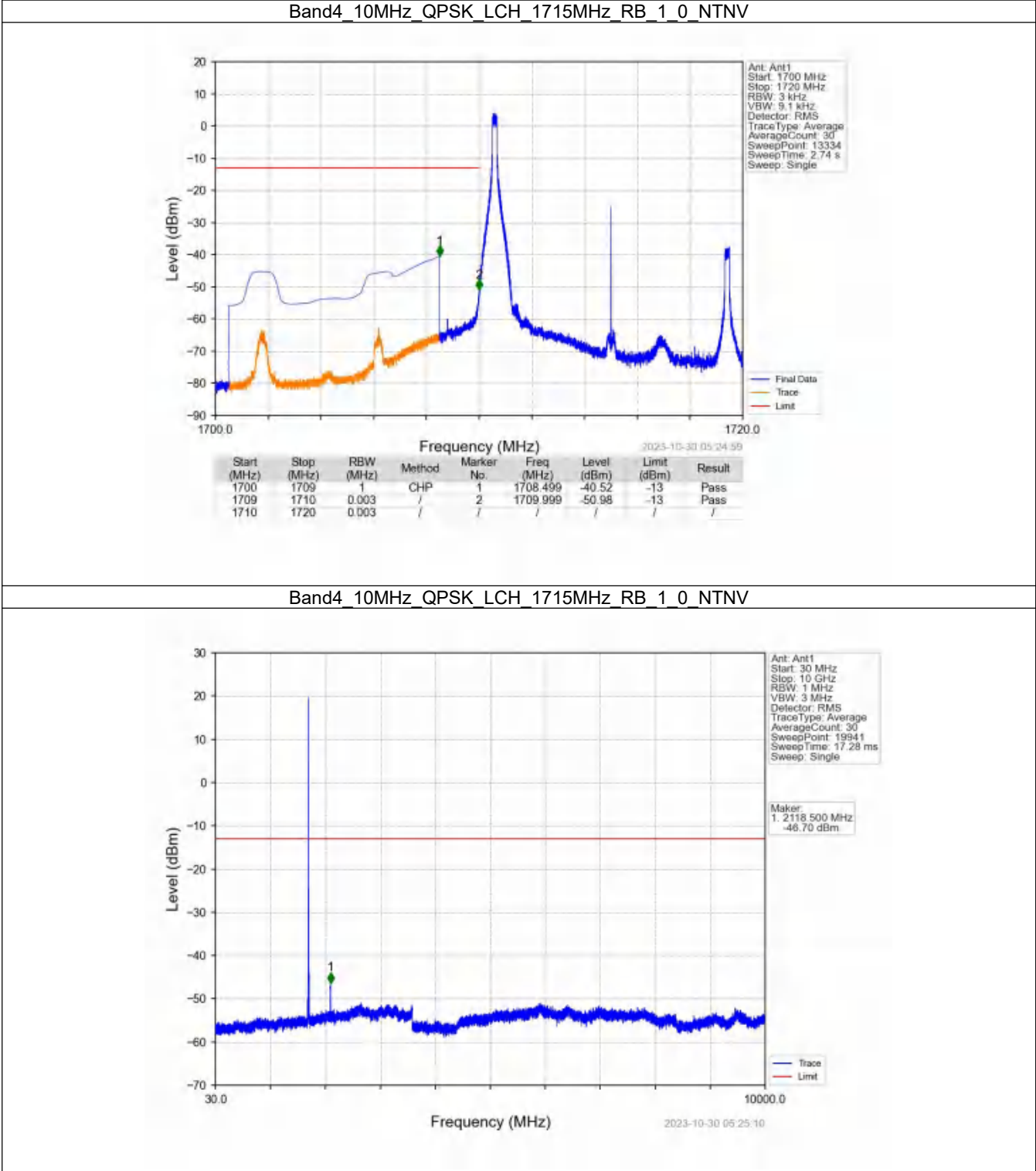


6.4 B4_10MHz

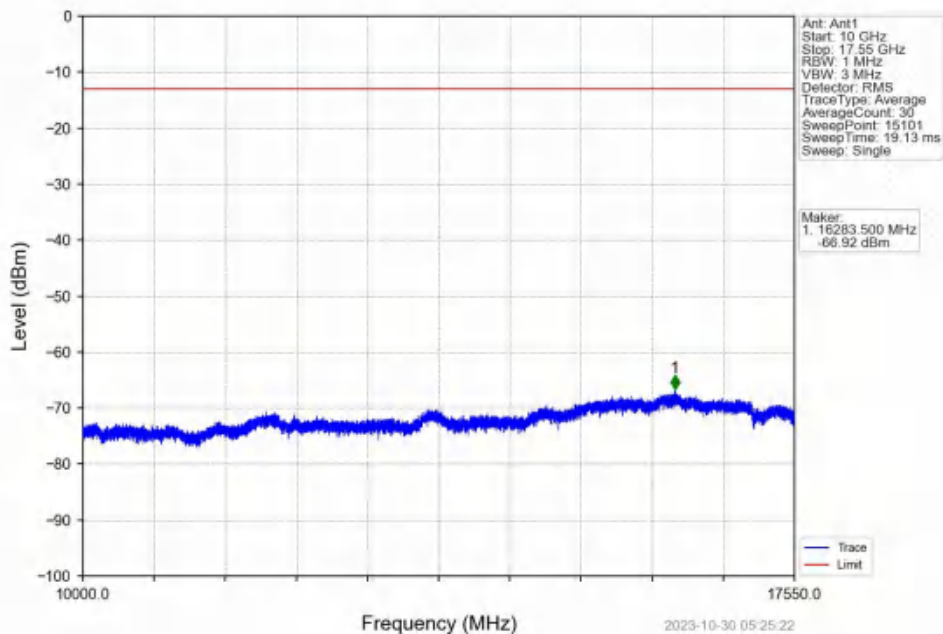
6.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTVN						
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

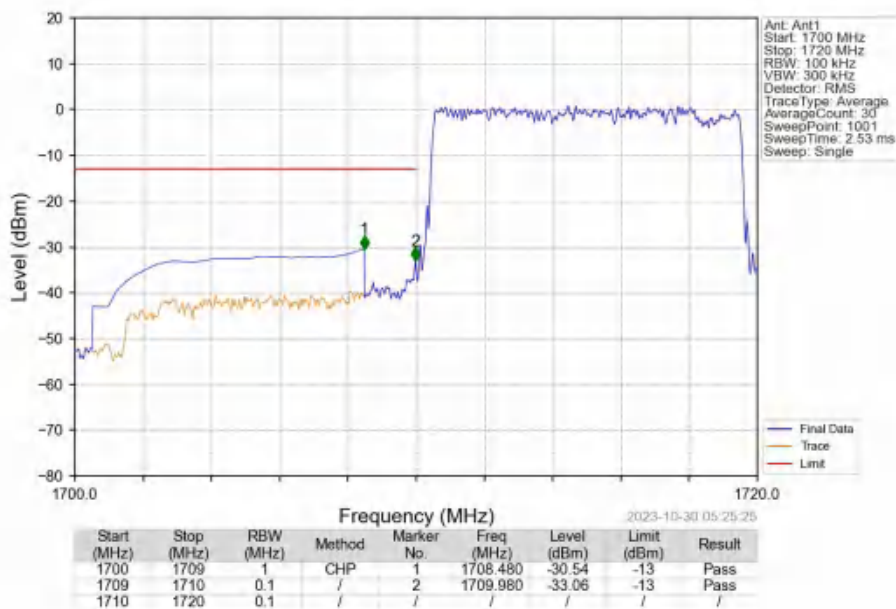
6.4.2 Test Graph



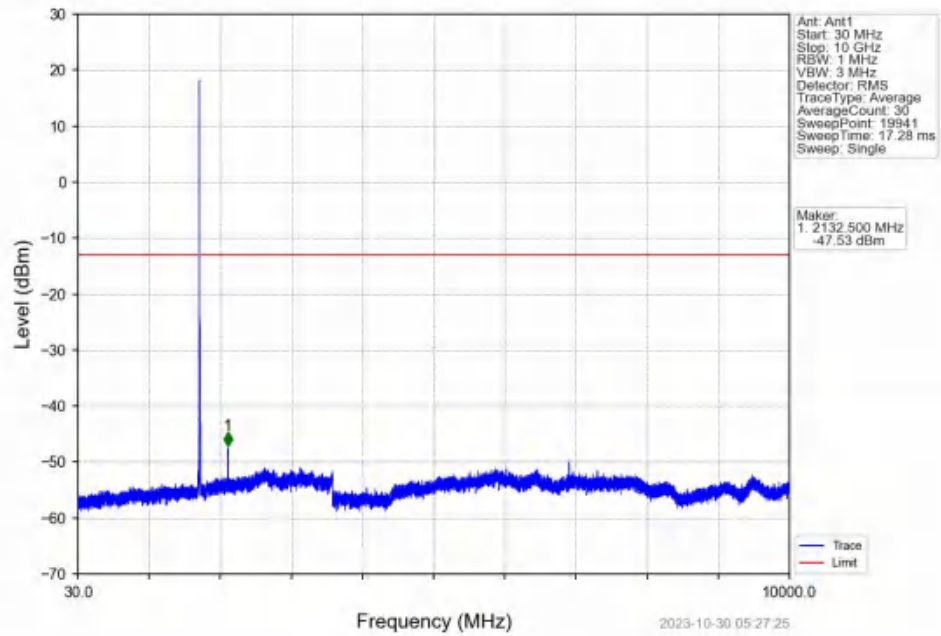
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



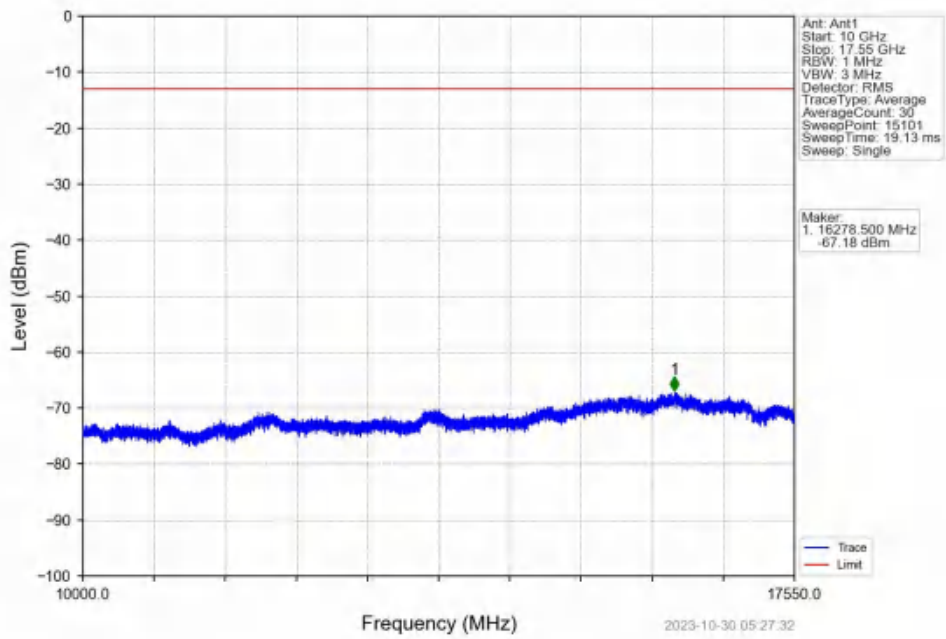
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



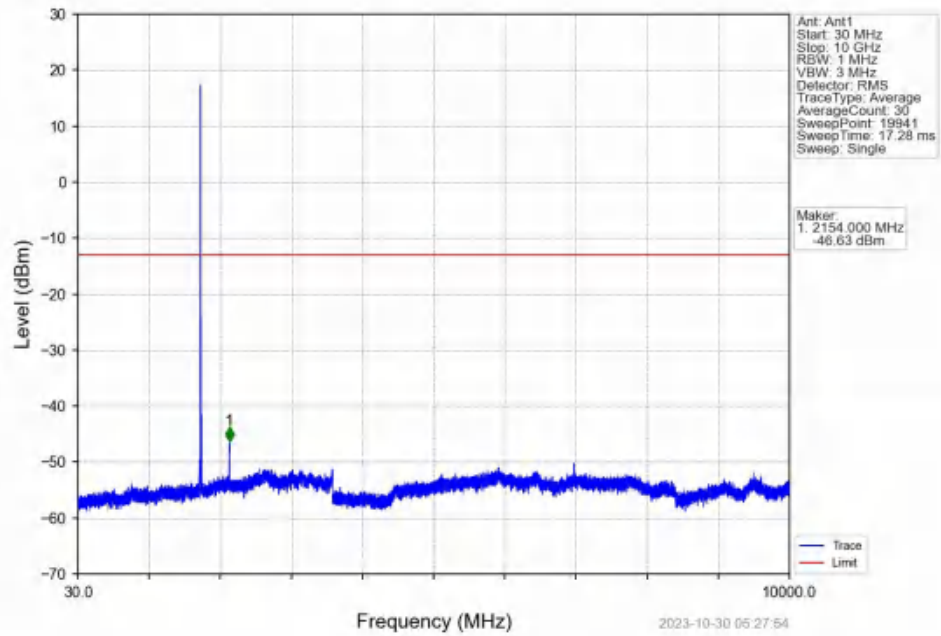
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



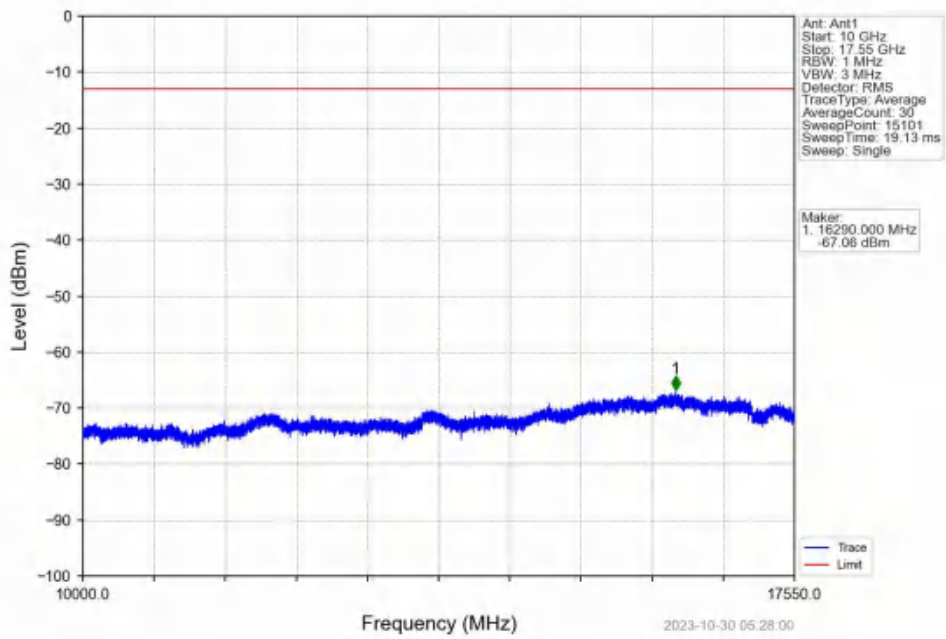
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



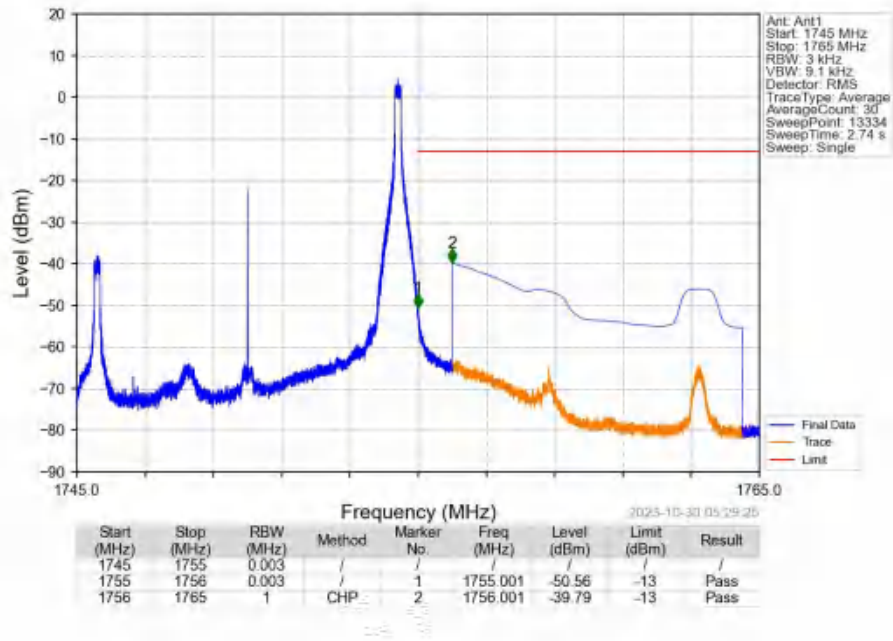
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



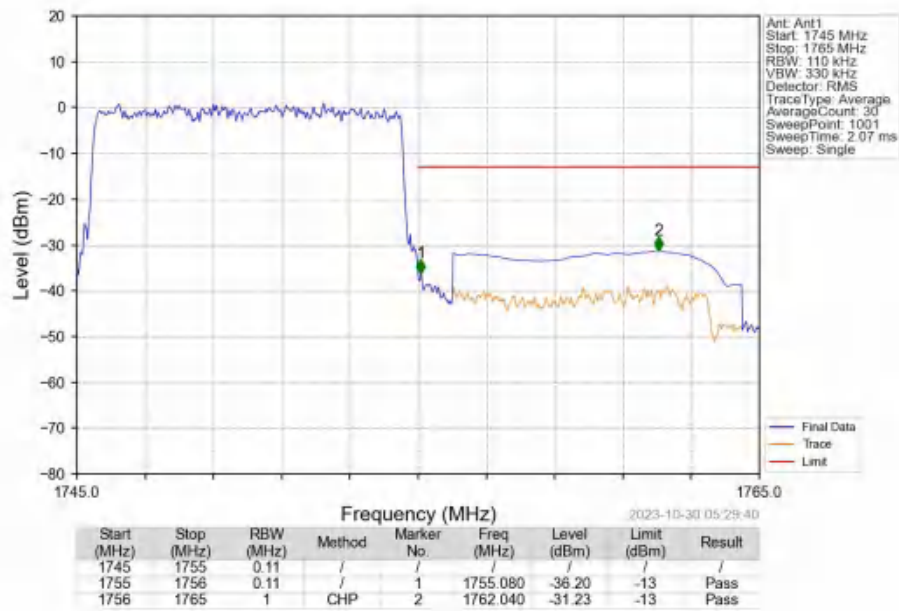
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



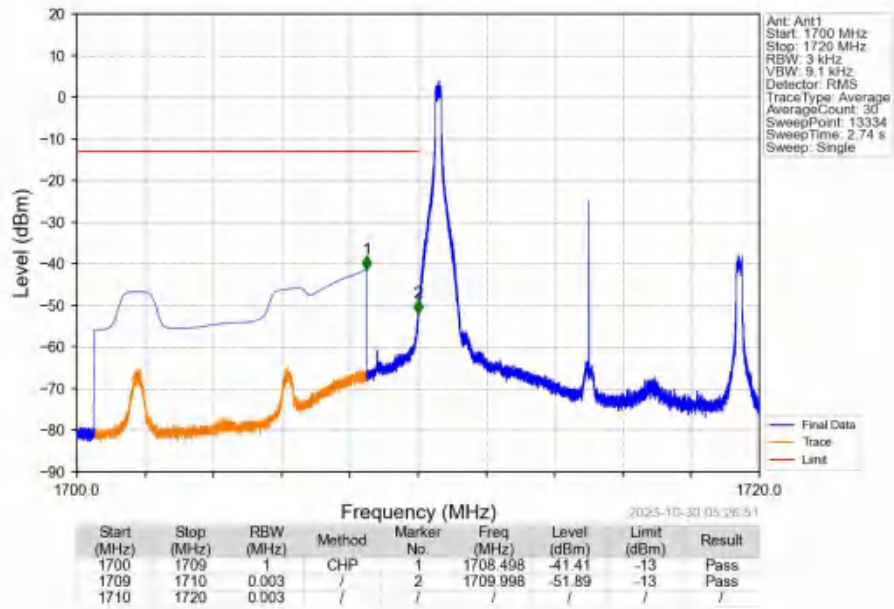
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



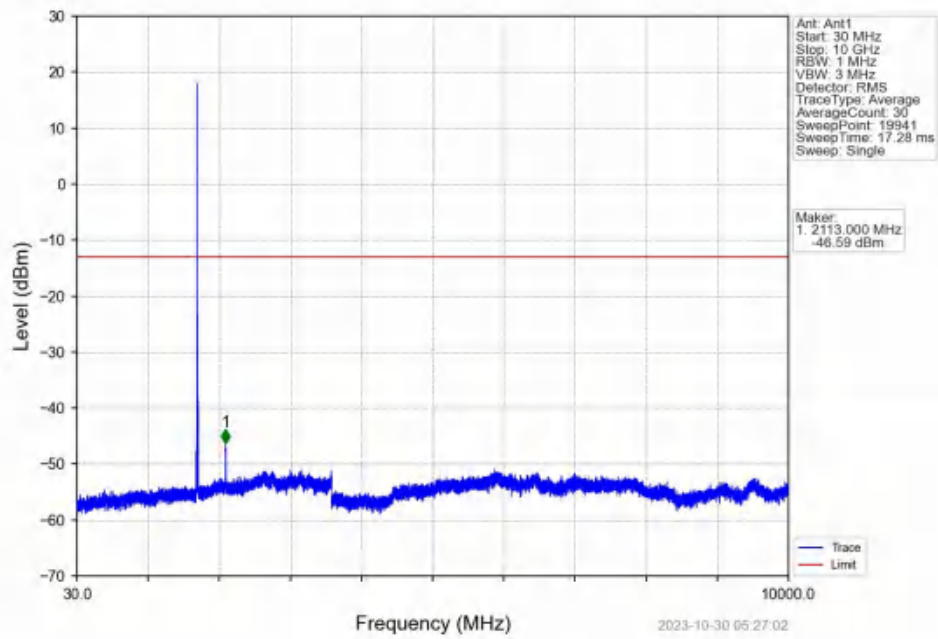
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



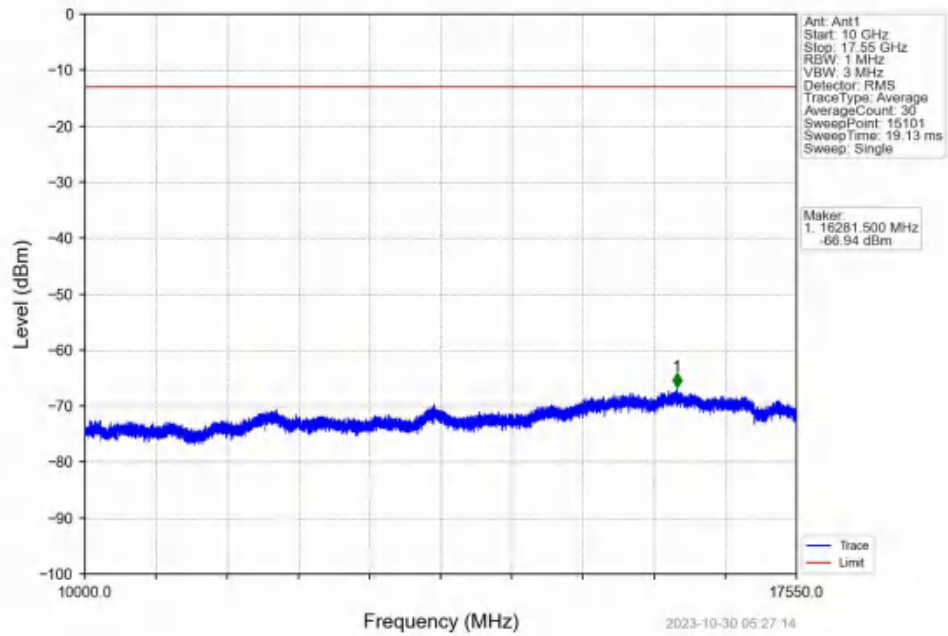
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



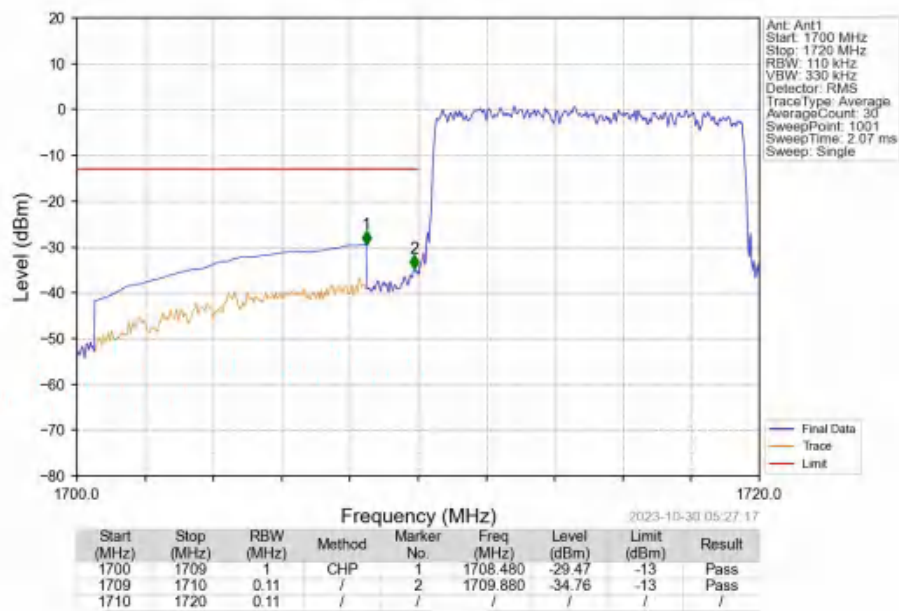
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



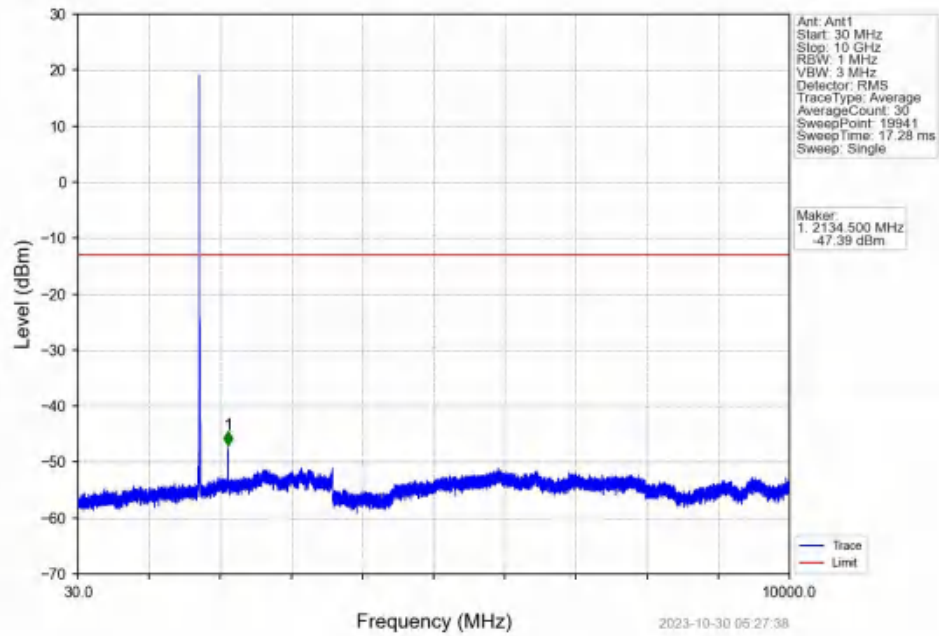
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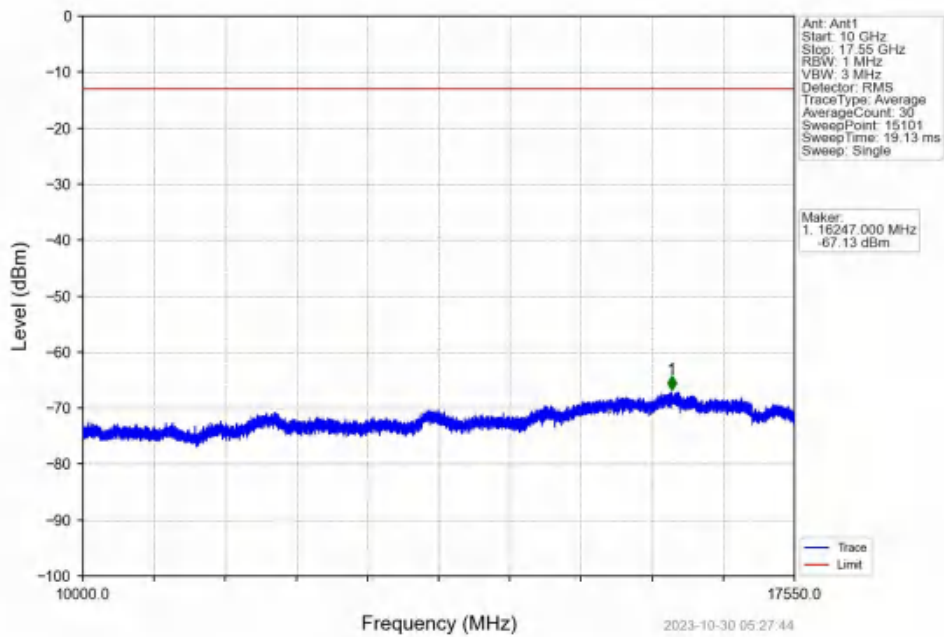
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



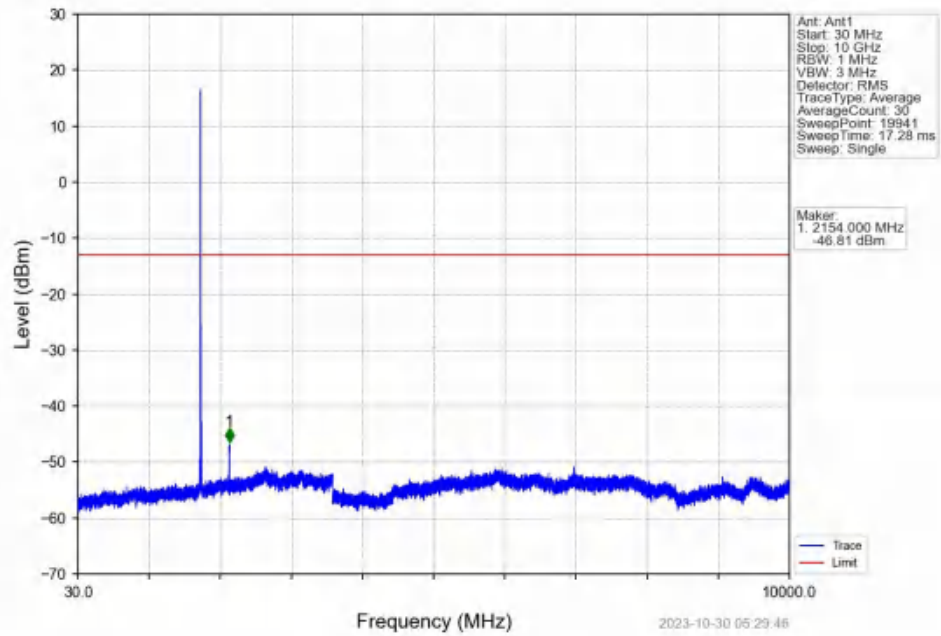
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



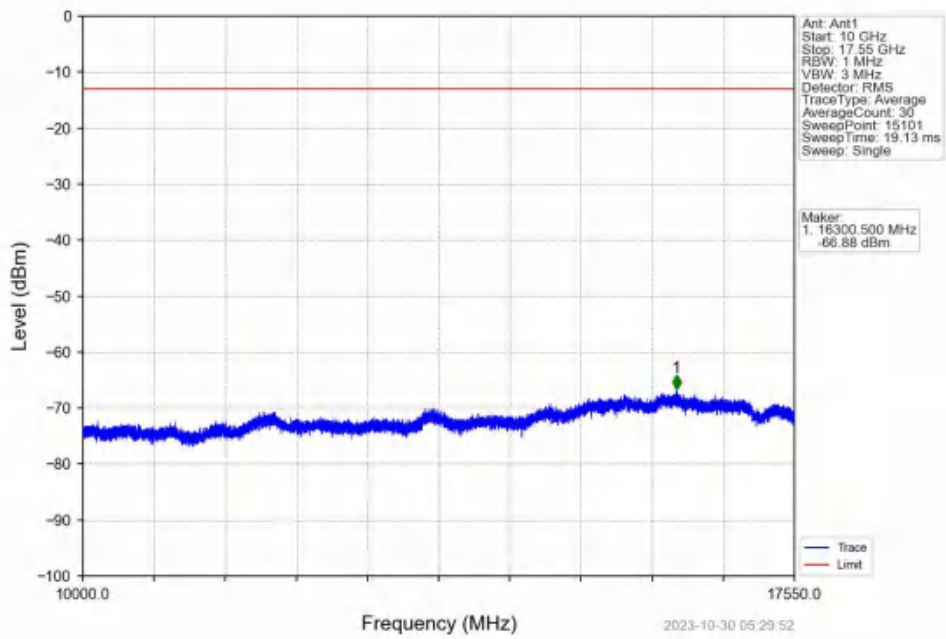
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



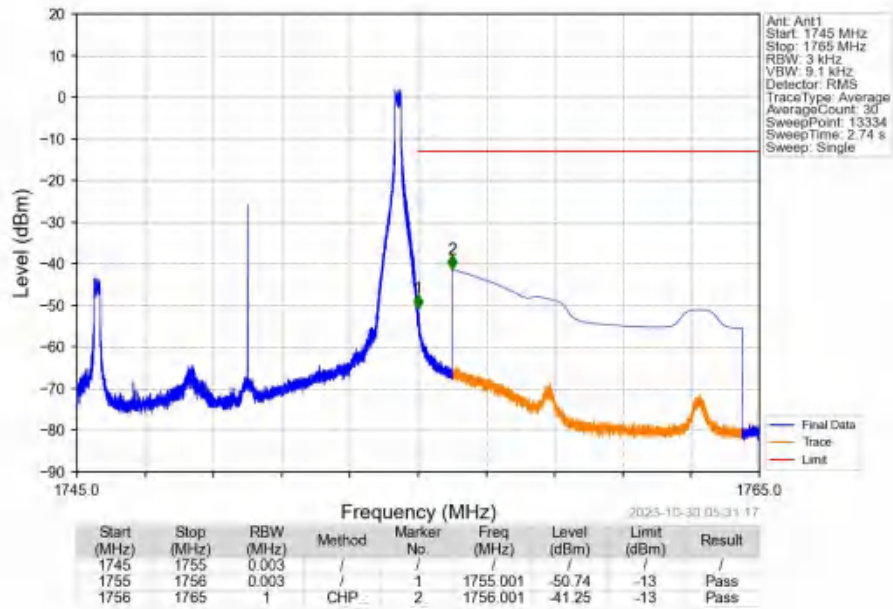
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



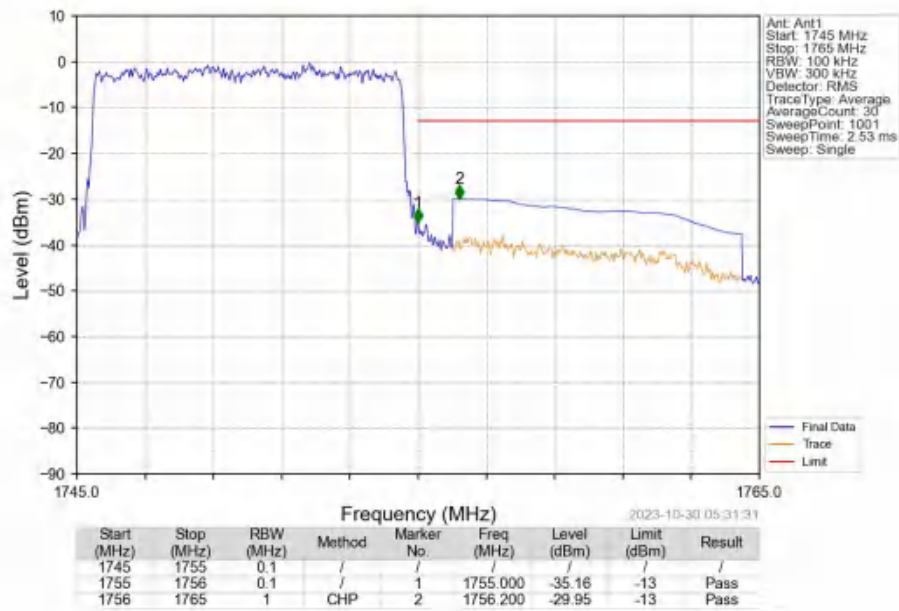
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

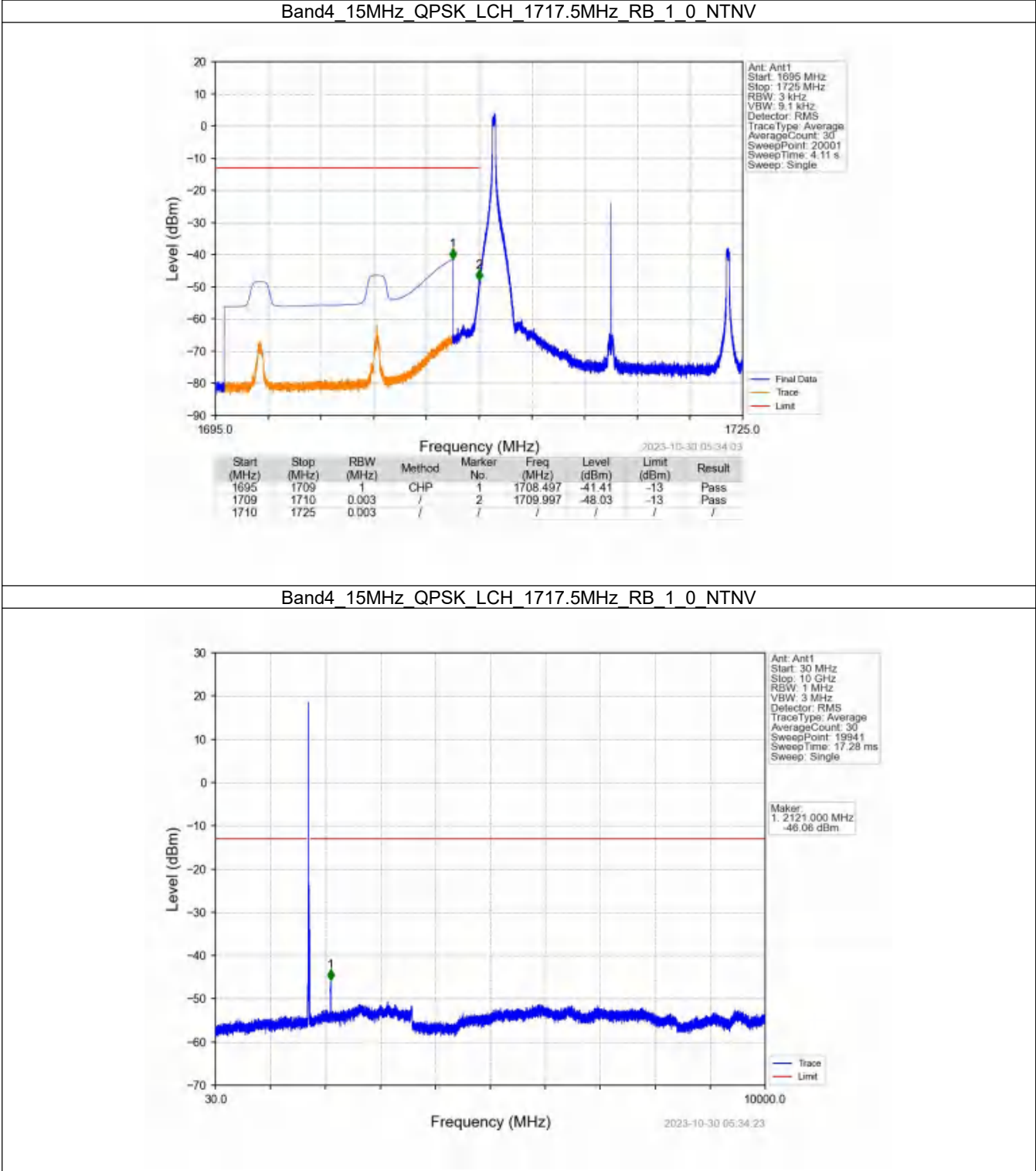


6.5 B4_15MHz

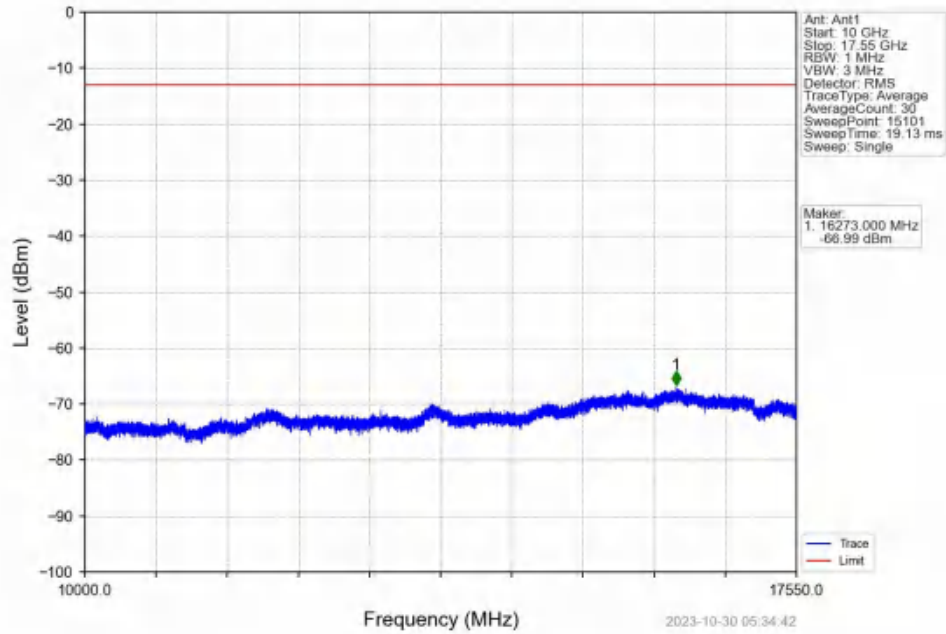
6.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTVN						
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

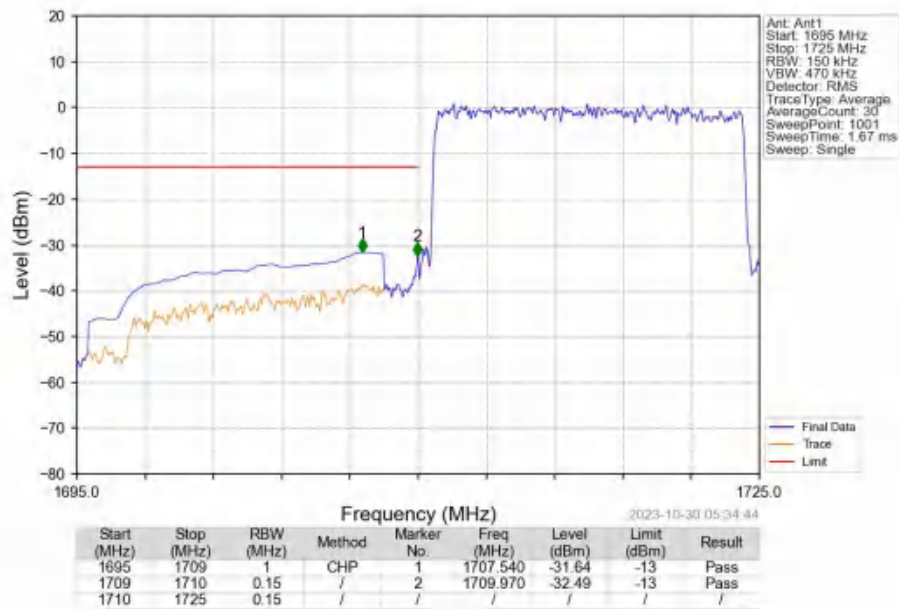
6.5.2 Test Graph



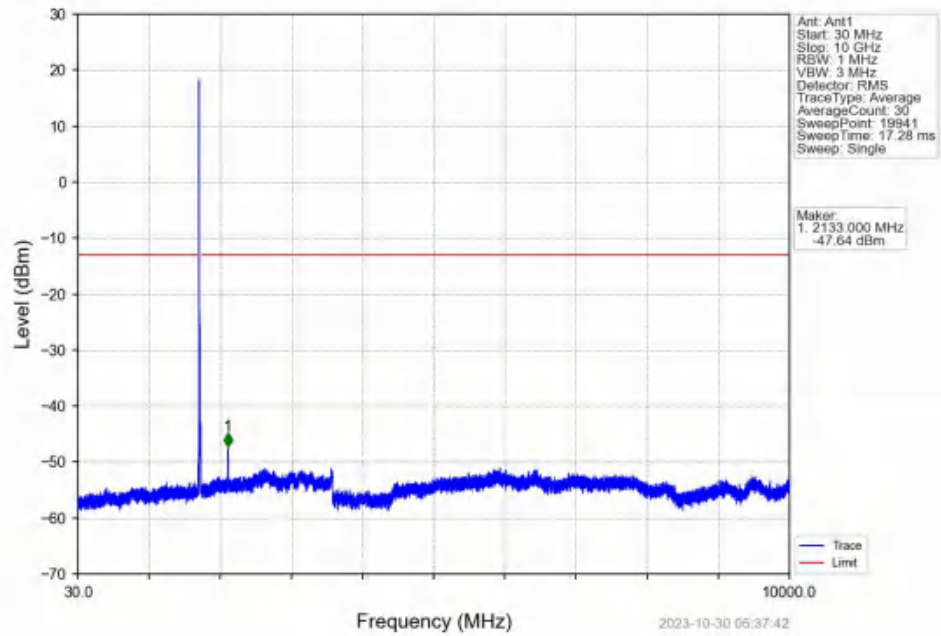
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



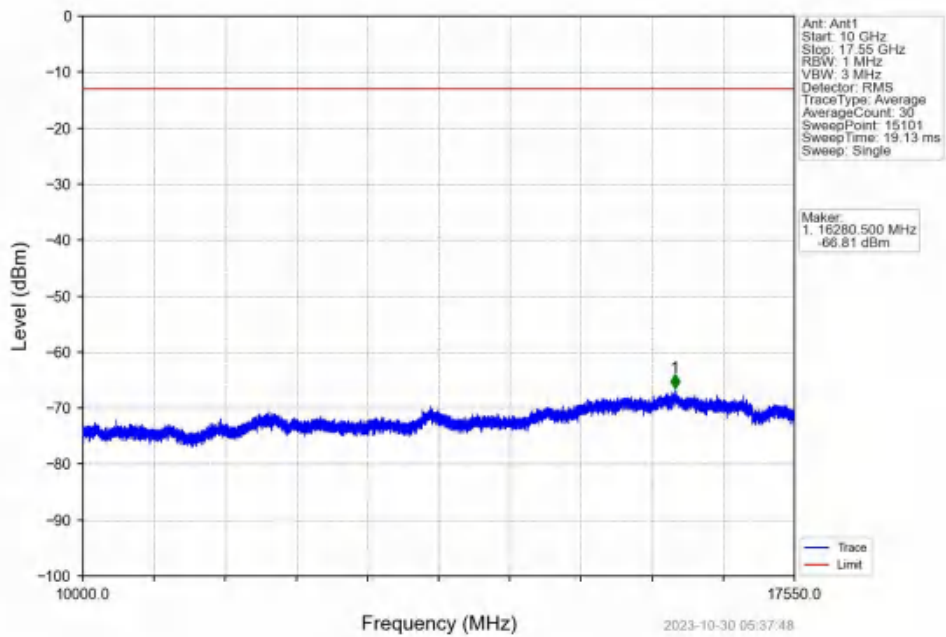
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



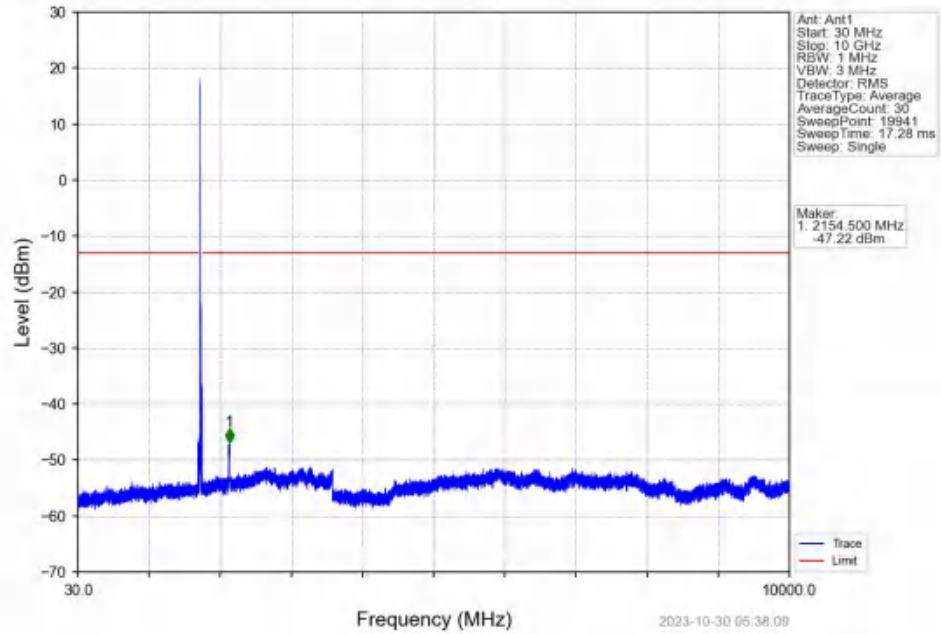
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



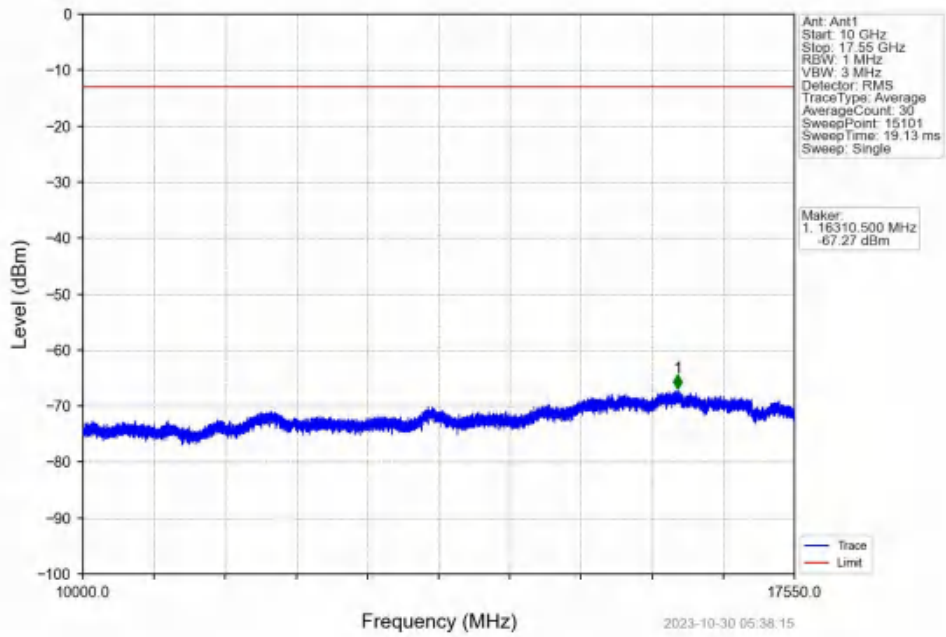
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



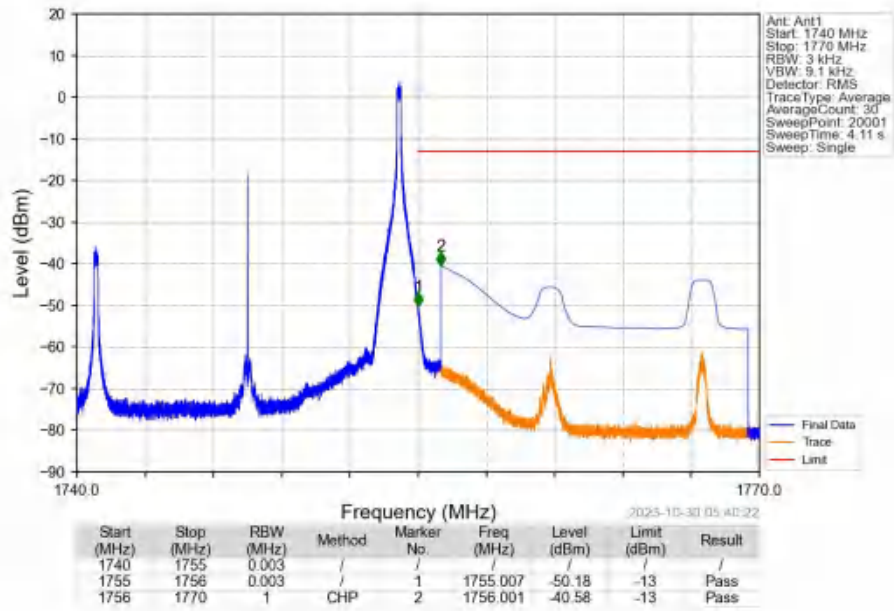
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



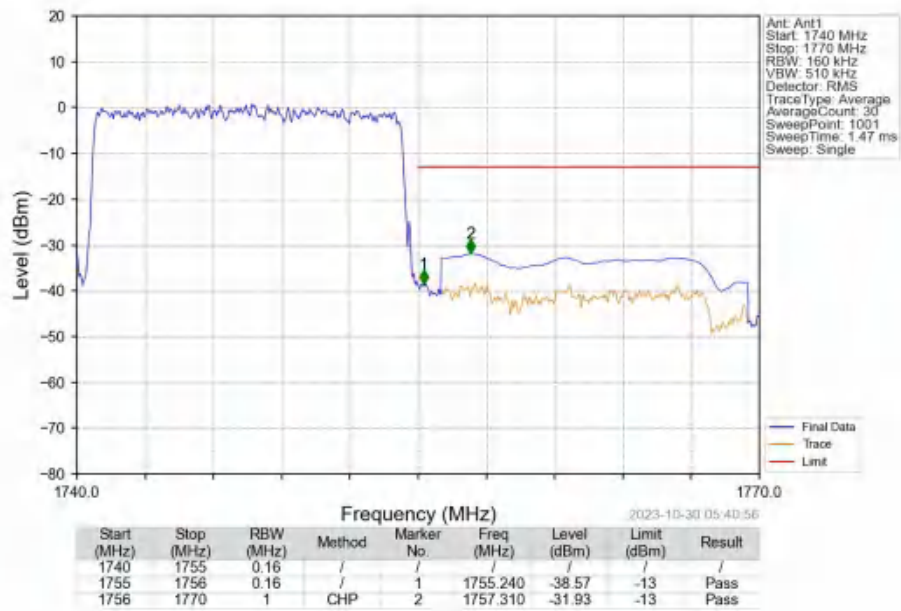
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



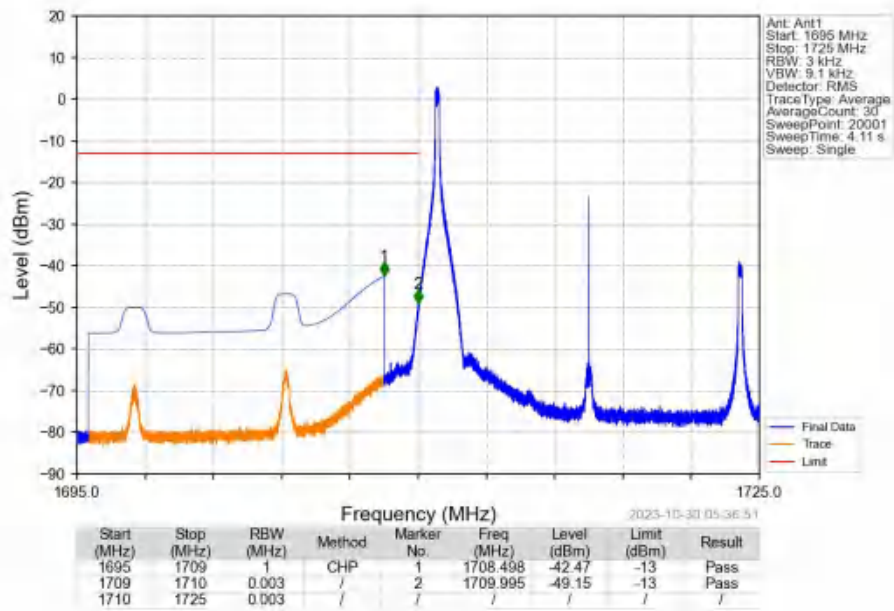
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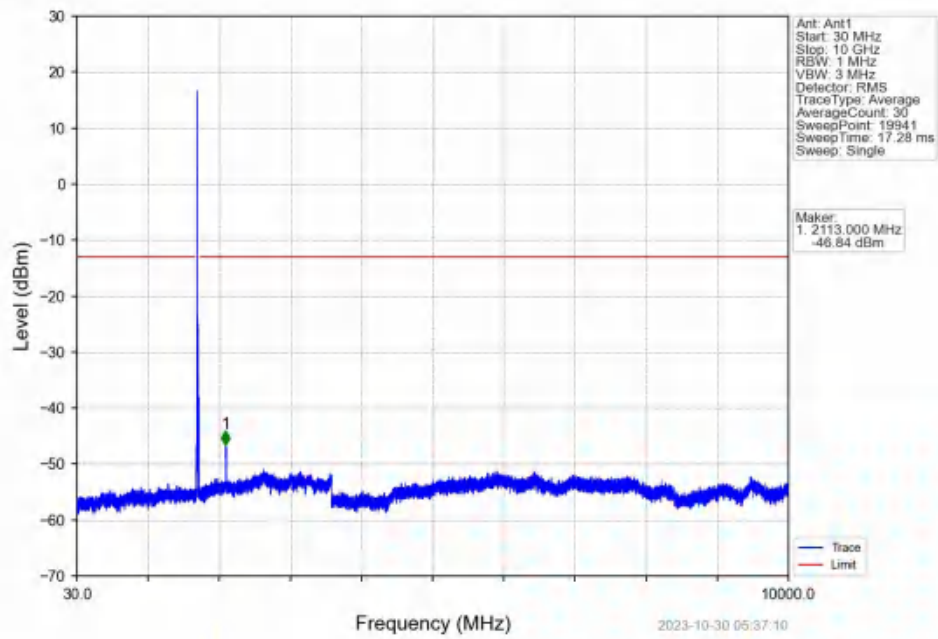
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



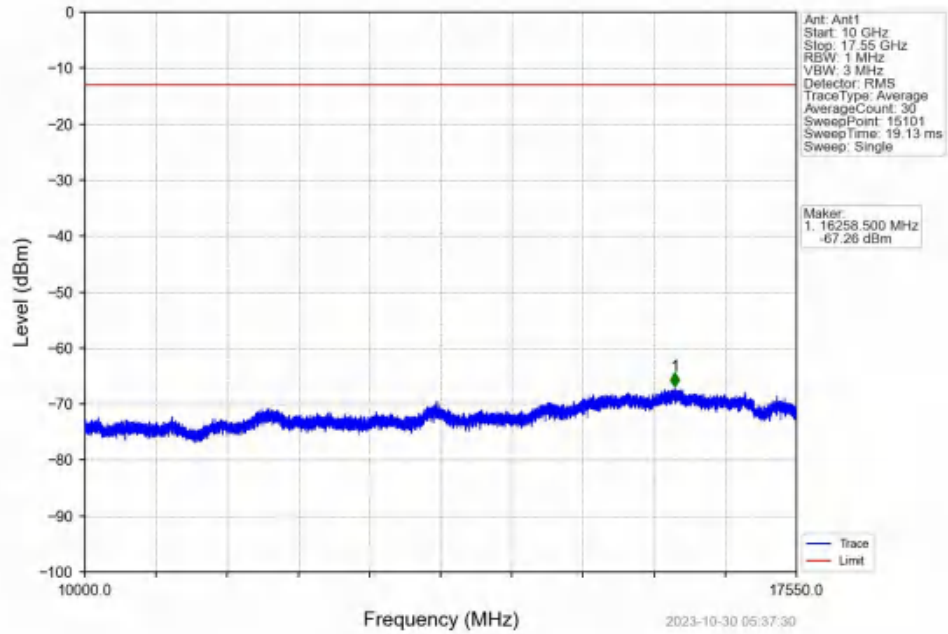
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



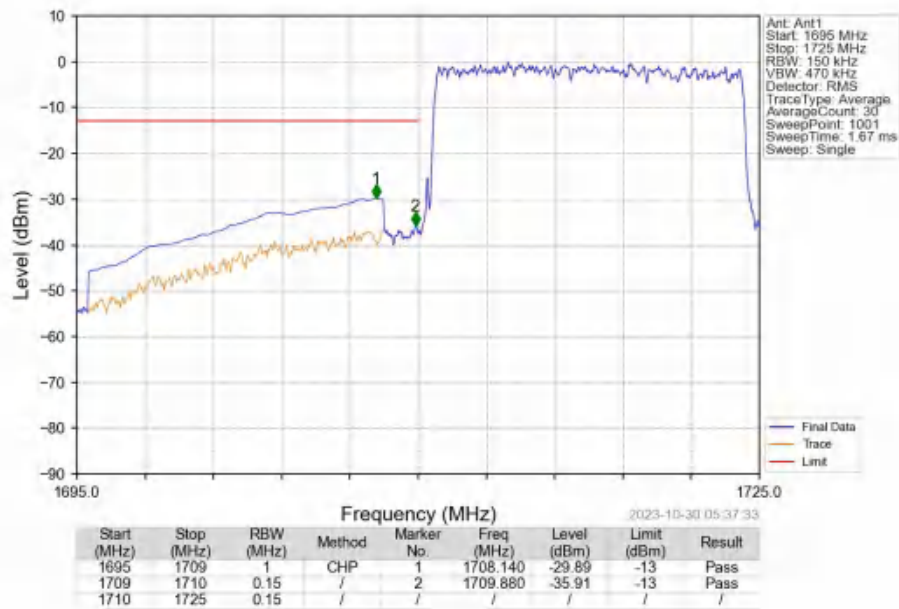
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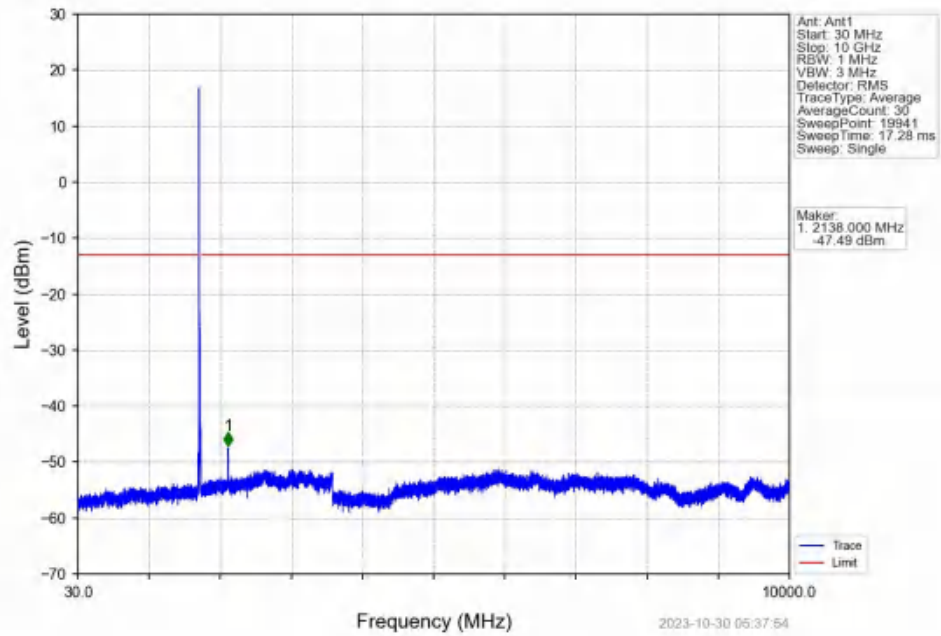
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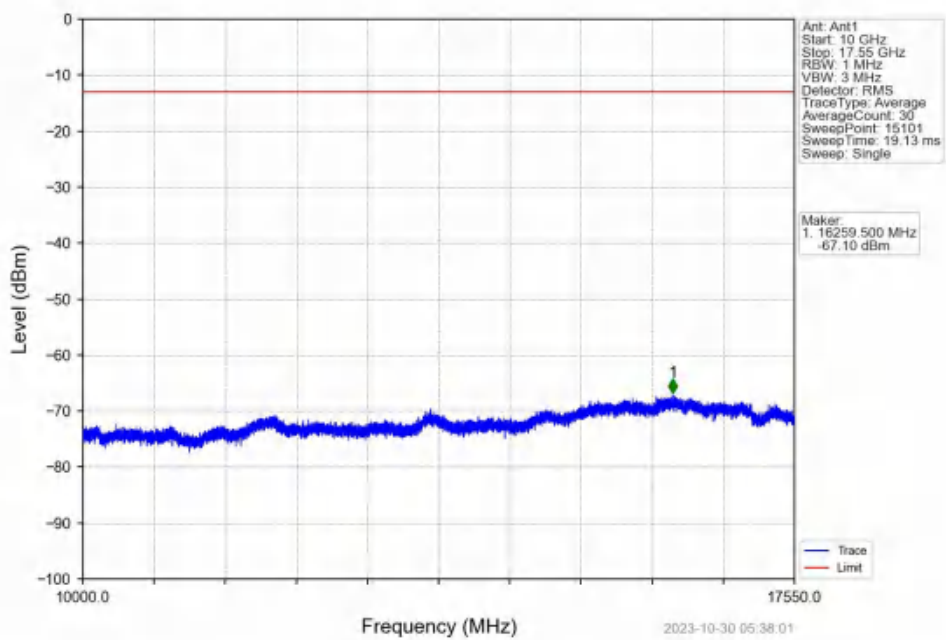
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



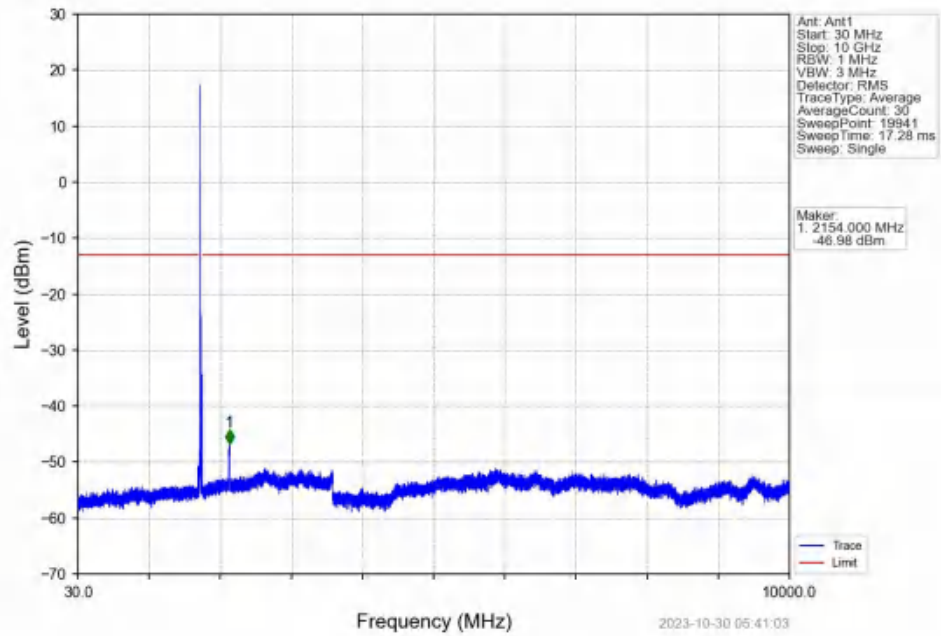
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



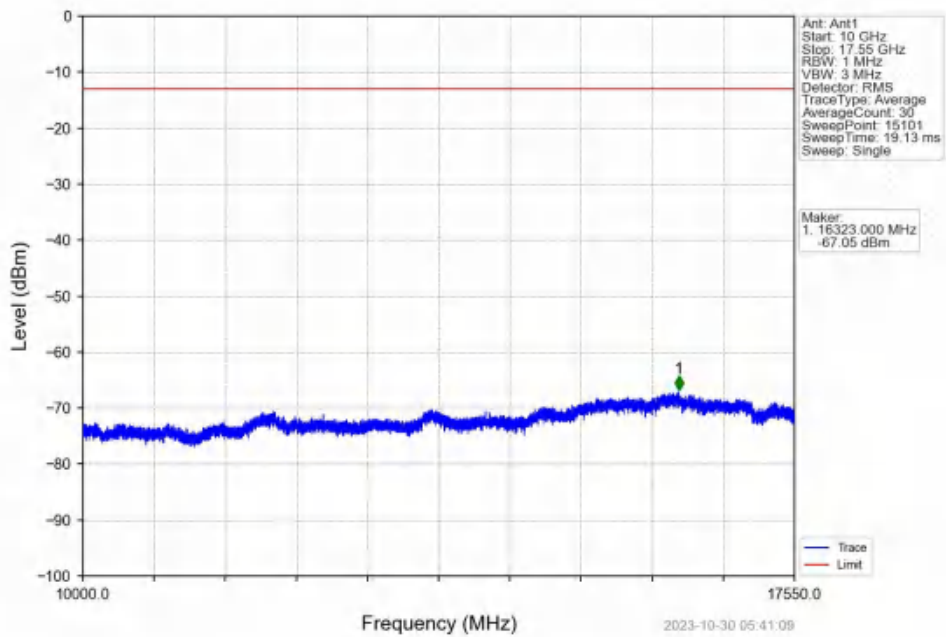
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



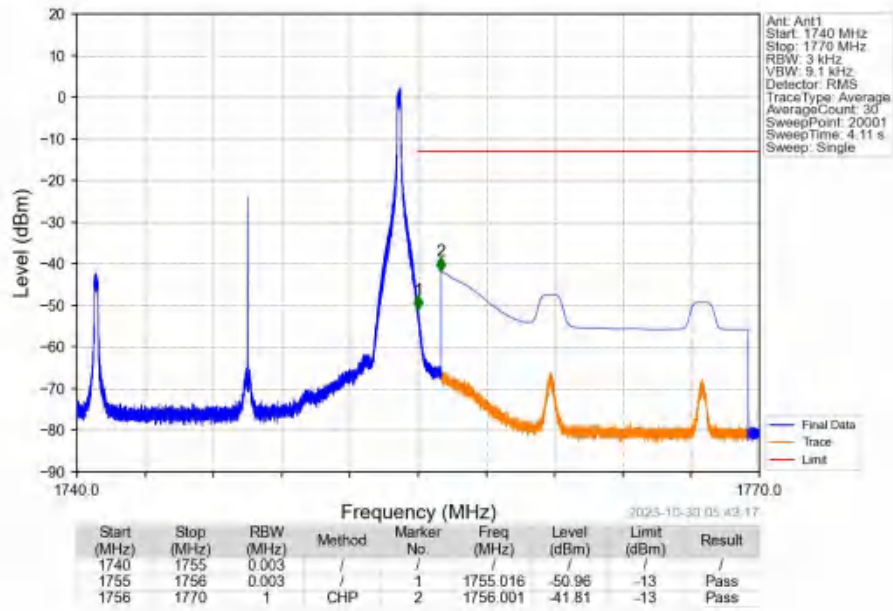
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV



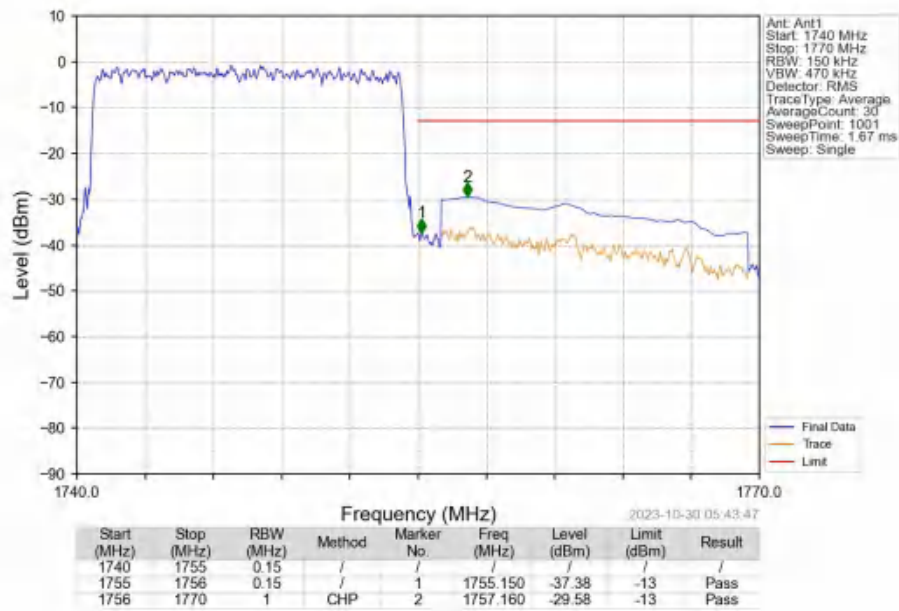
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_74_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

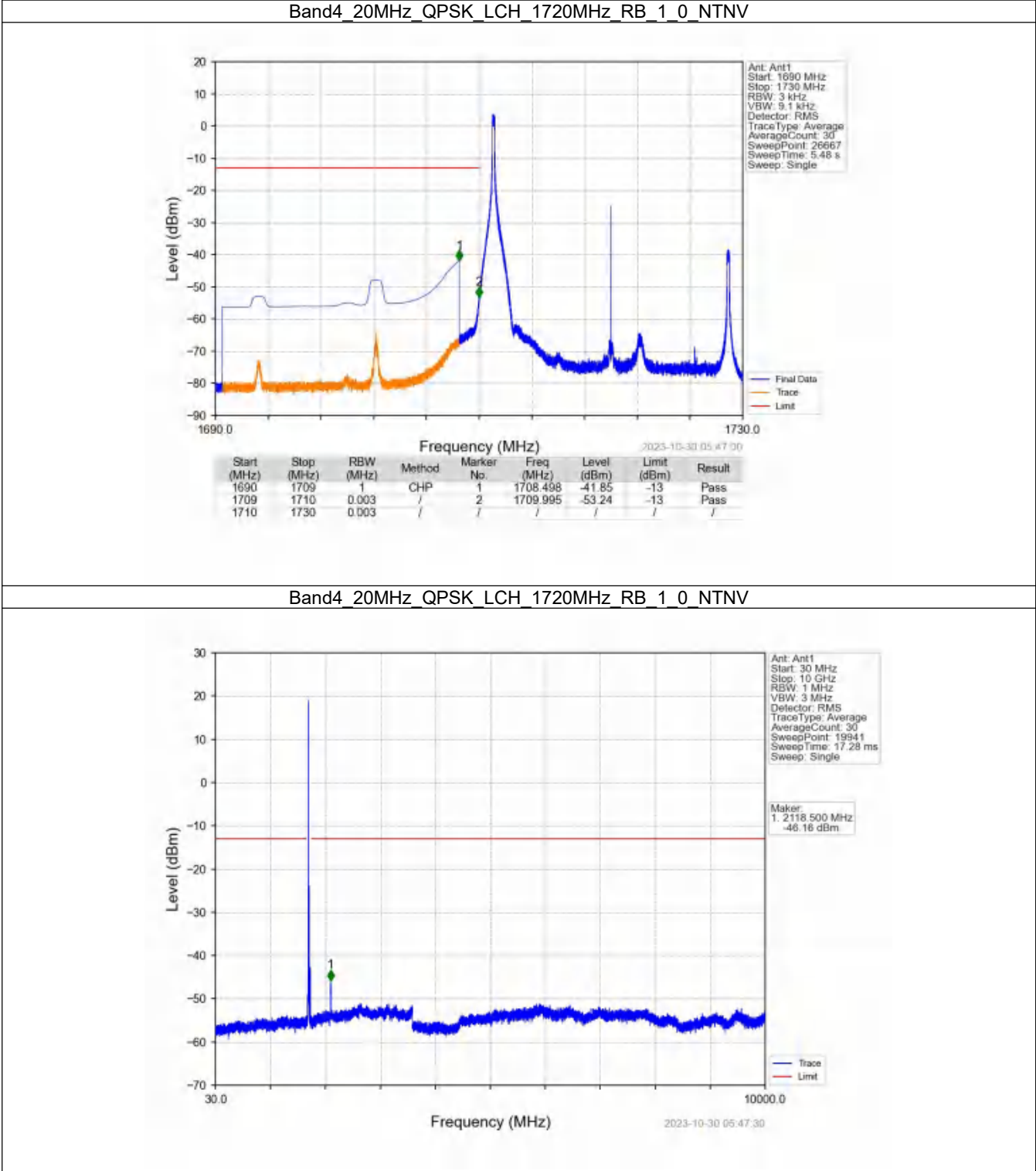


6.6 B4_20MHz

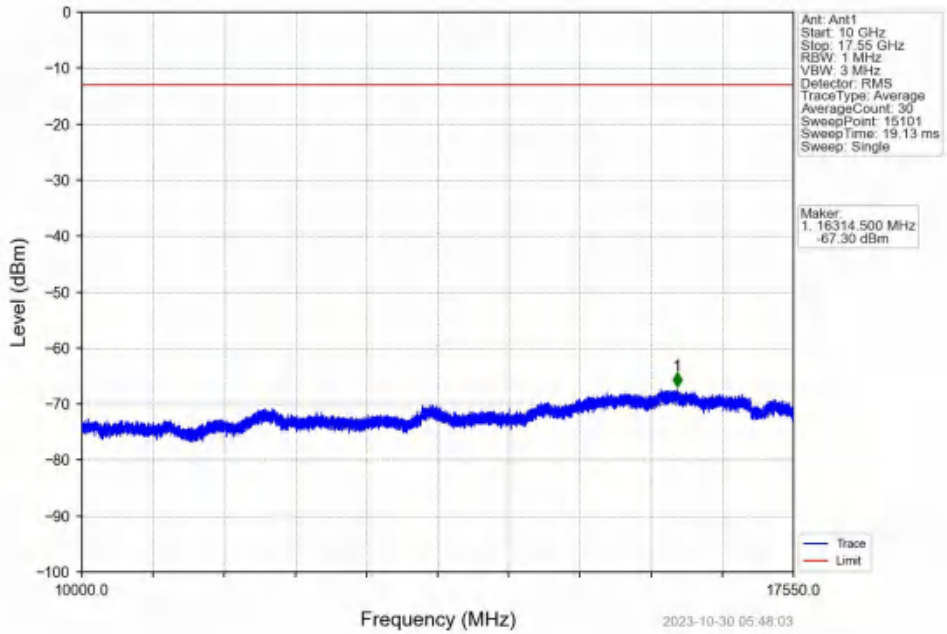
6.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTVN						
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

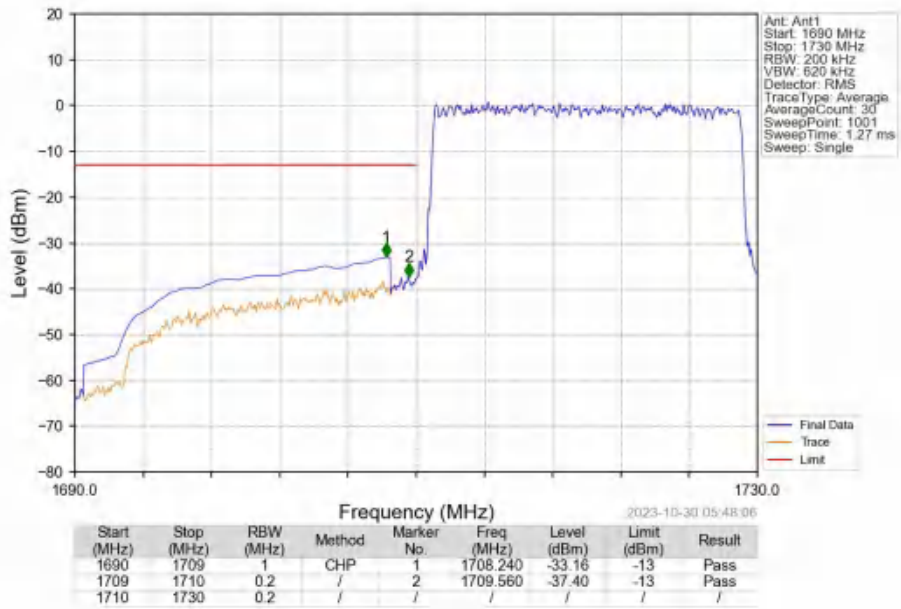
6.6.2 Test Graph



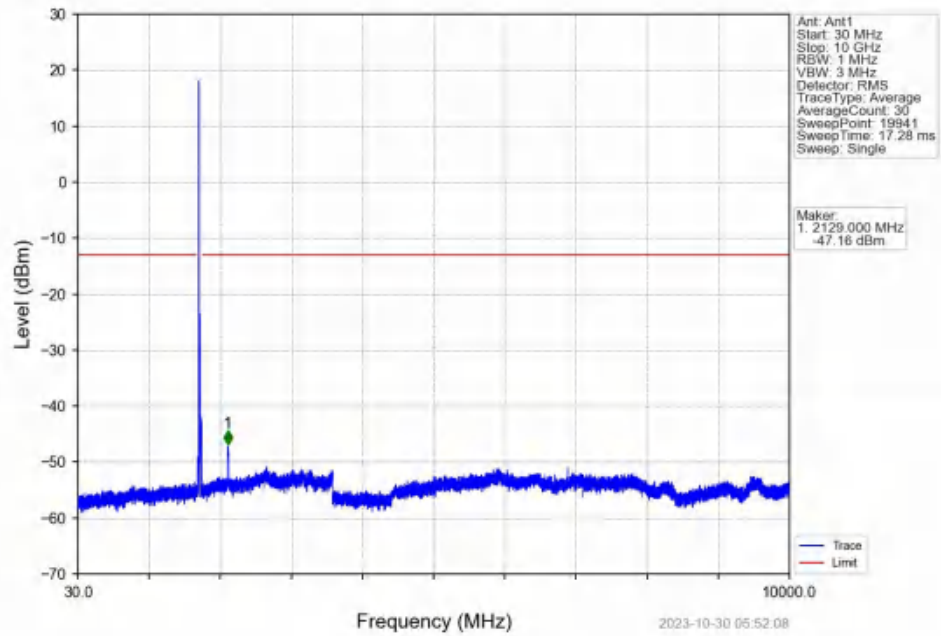
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



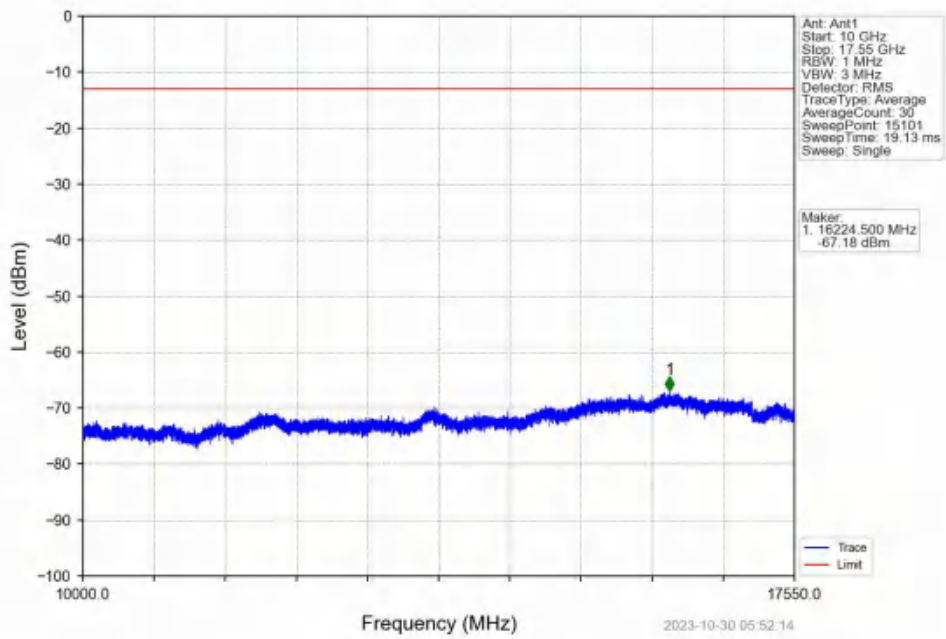
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



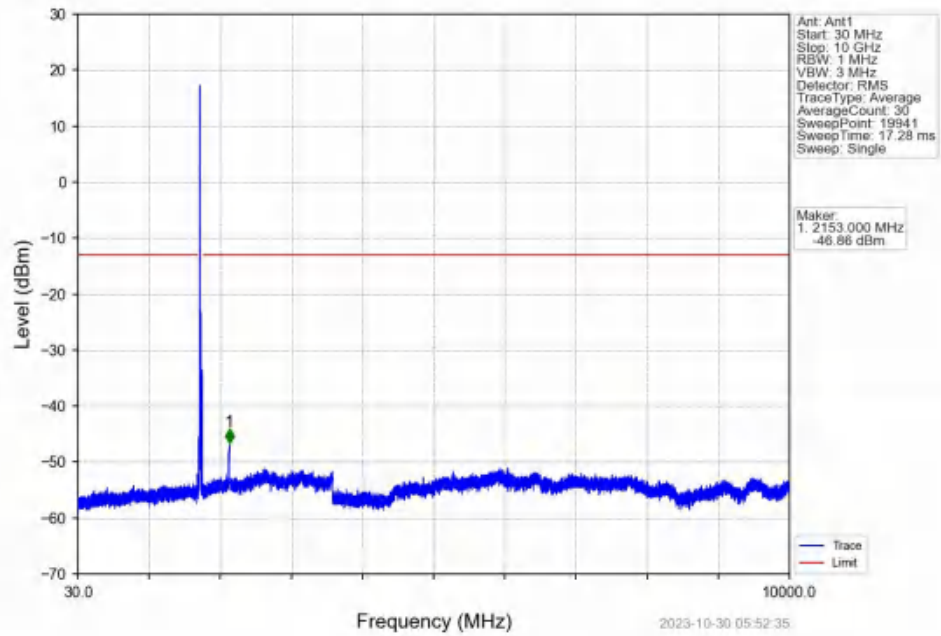
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



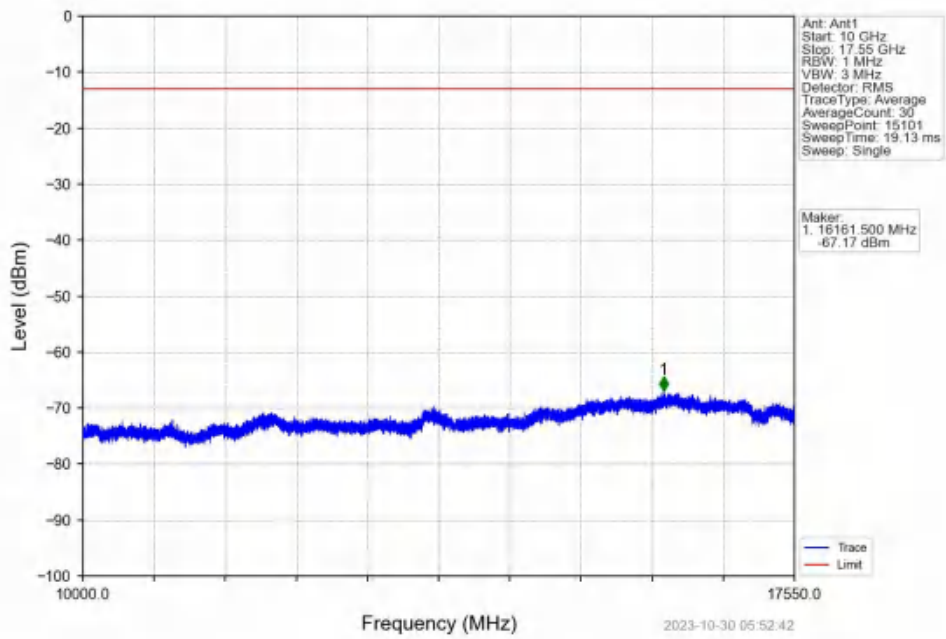
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



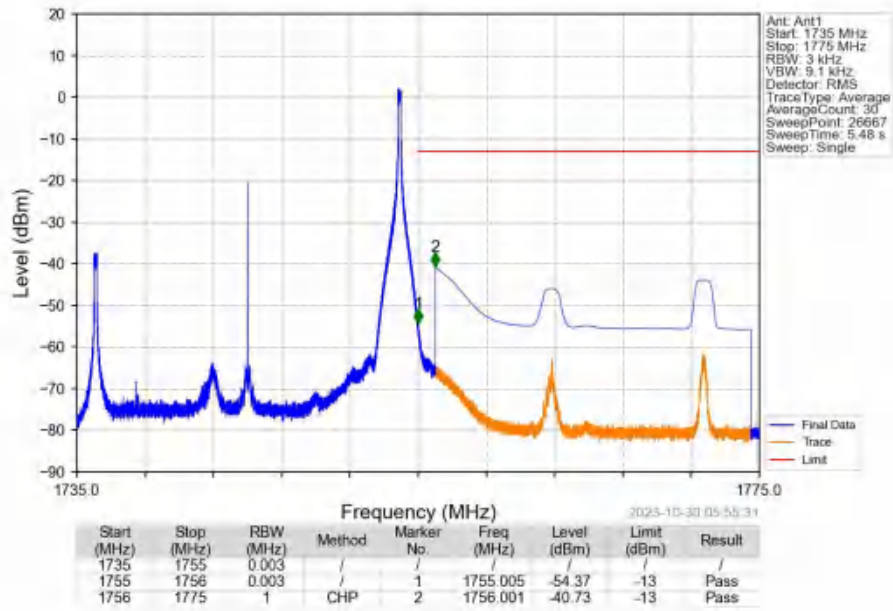
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



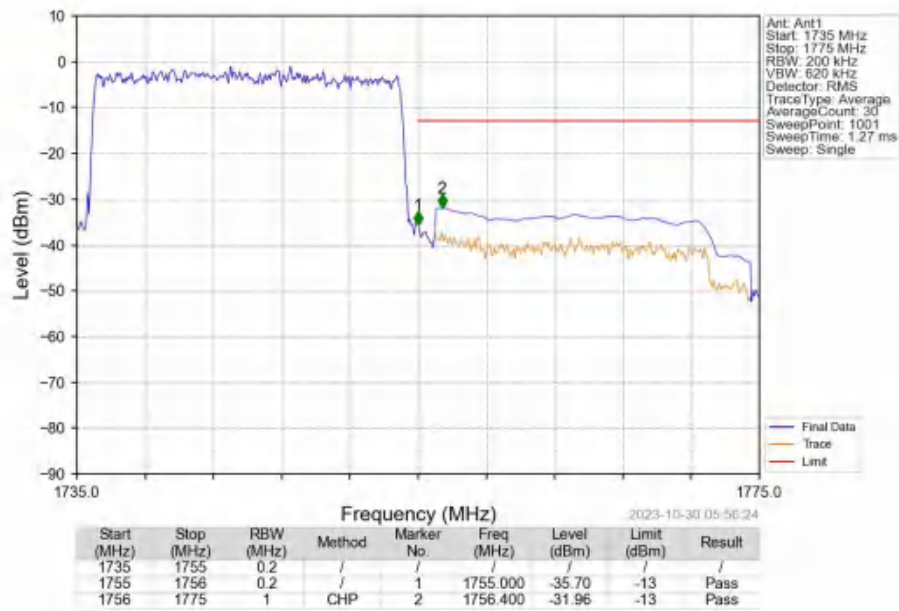
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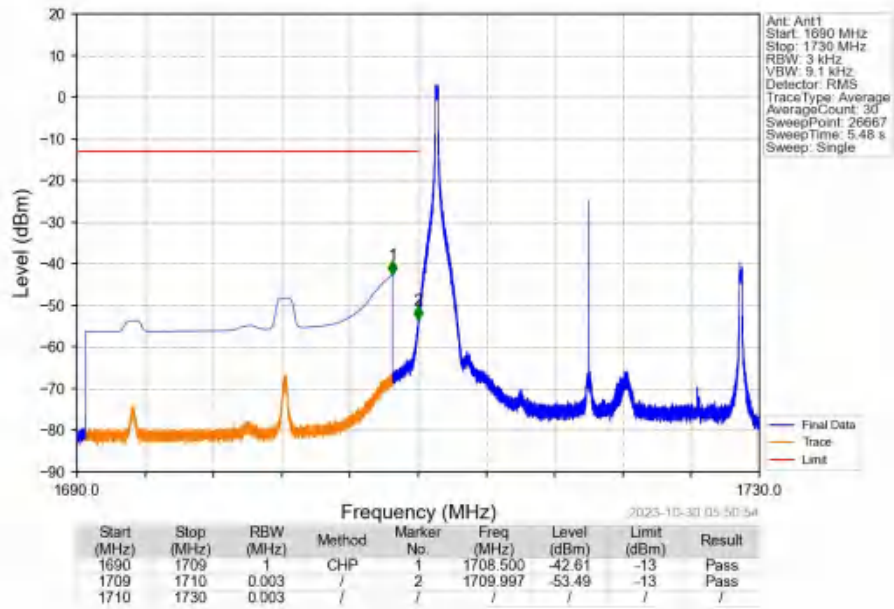
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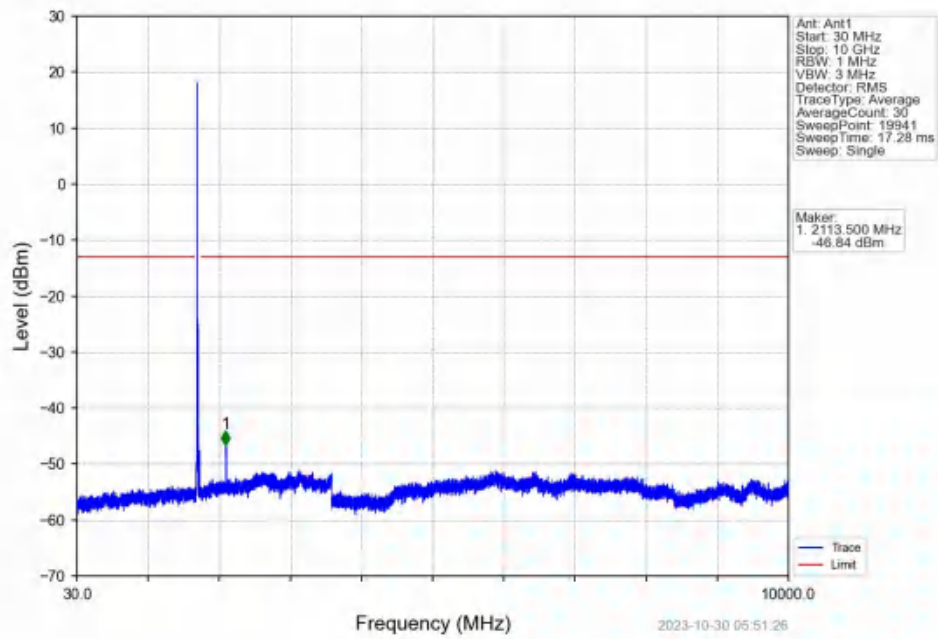
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



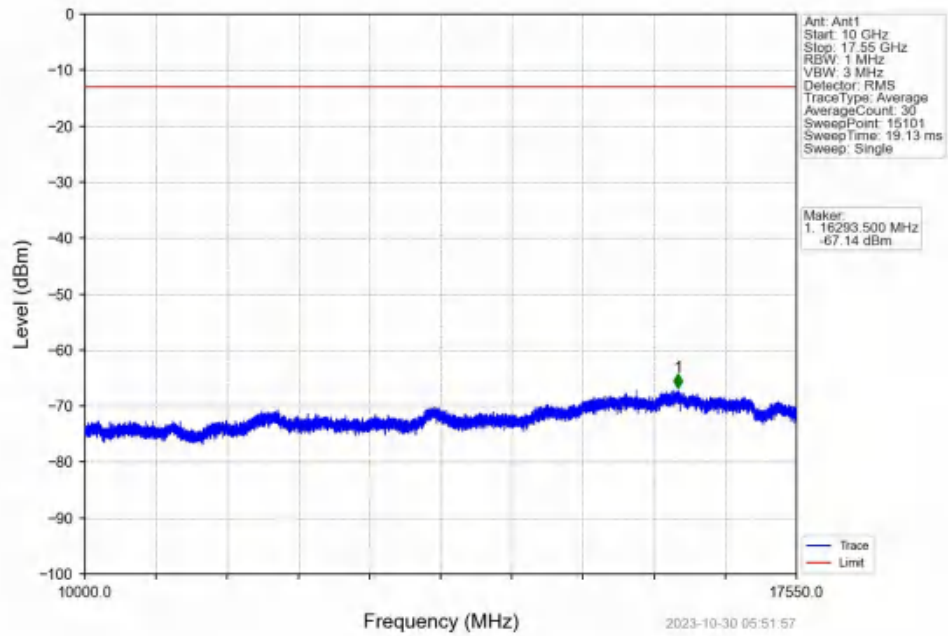
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



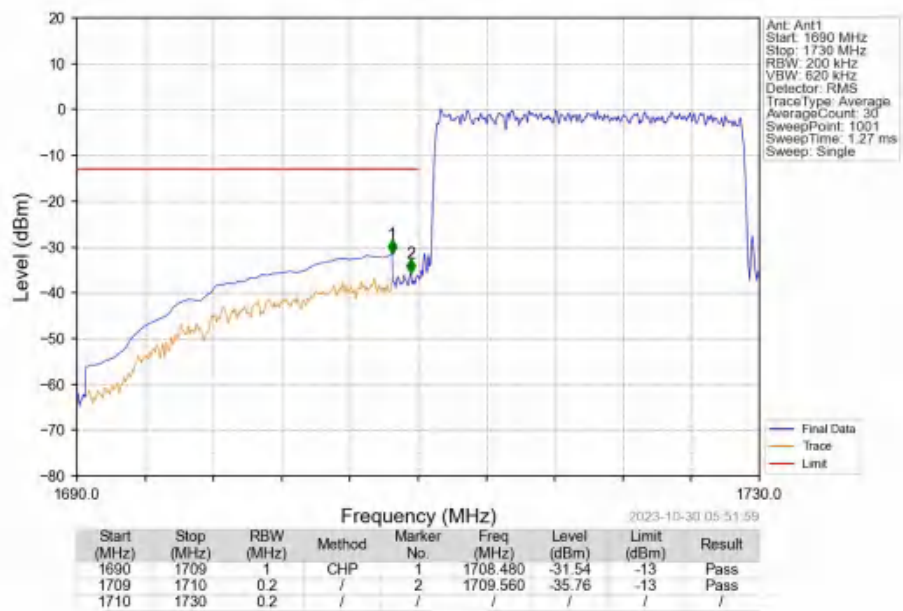
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



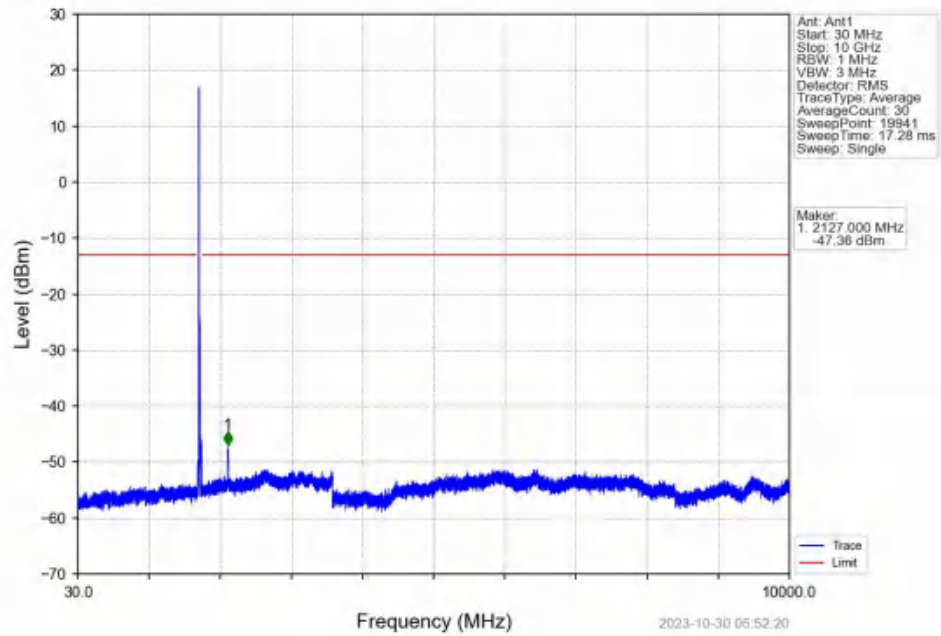
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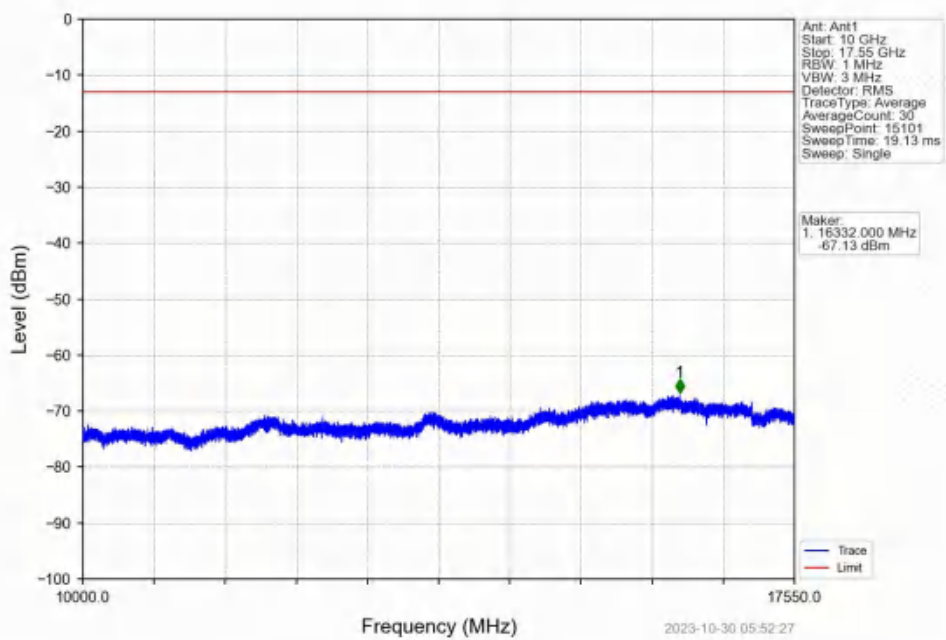
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



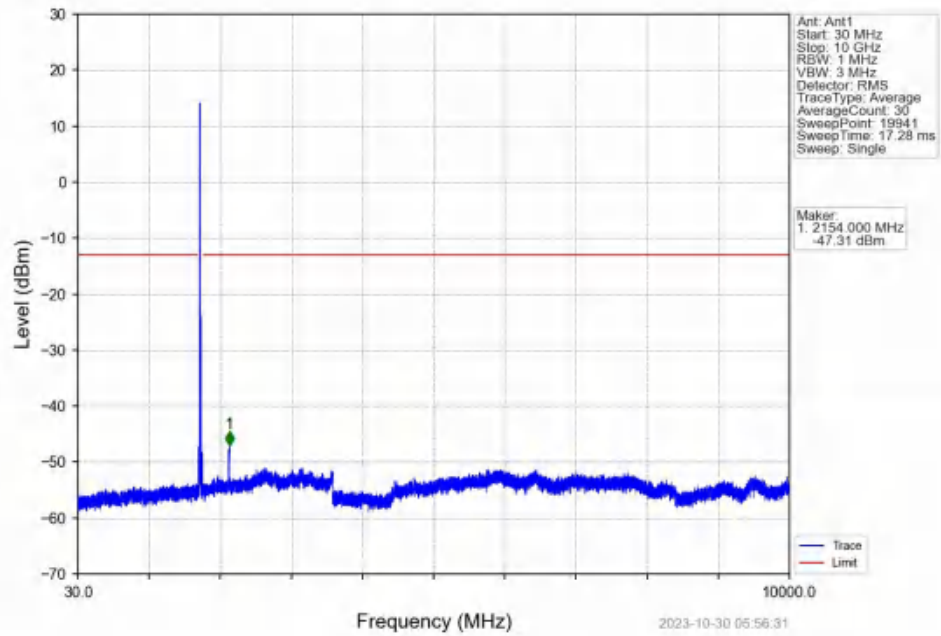
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



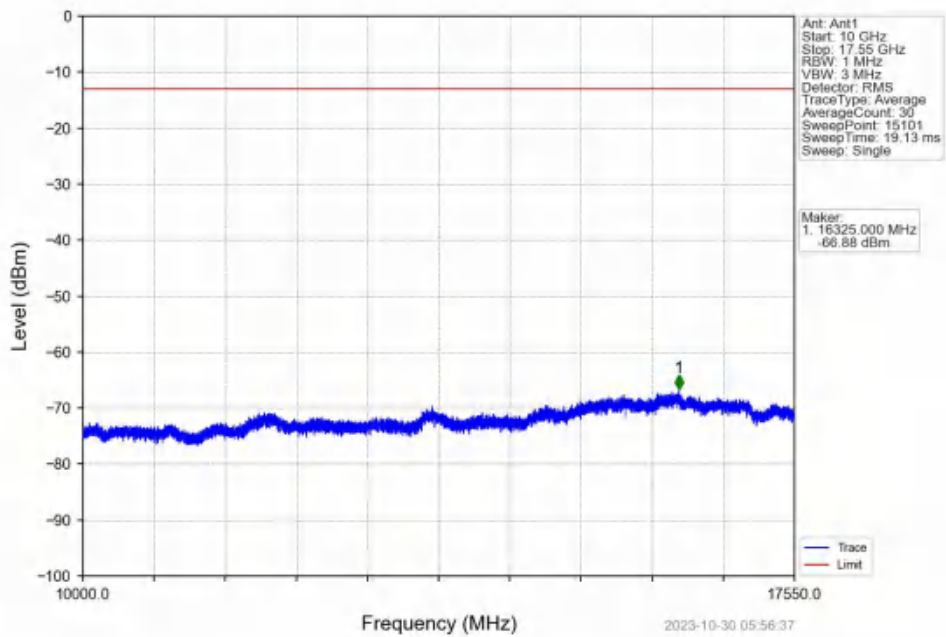
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



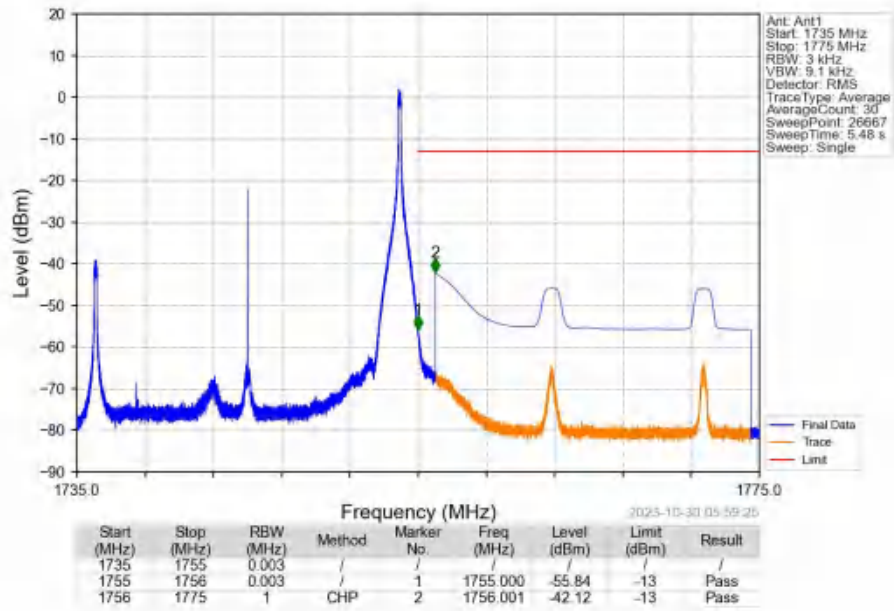
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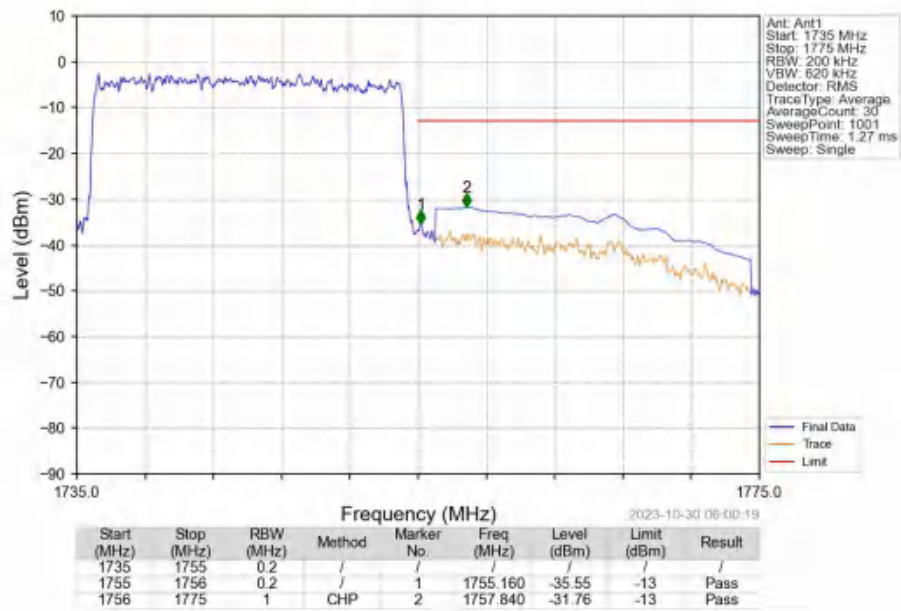
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_1_99_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



7. Form731

7.1 Form731_Power

7.1.1 Test Result

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	0.1151	0.0024	ppm	1M13G7D	27E	20.61
4	1.4	1710.7	1754.3	0.0962	0.0022	ppm	1M11W7D	27E	19.83
4	3	1711.5	1753.5	0.1167	0.0011	ppm	2M75G7D	27E	20.67
4	3	1711.5	1753.5	0.0973	0.0009	ppm	2M77W7D	27E	19.88
4	5	1712.5	1752.5	0.1216	0.0020	ppm	4M56G7D	27E	20.85
4	5	1712.5	1752.5	0.0916	0.0021	ppm	4M58W7D	27E	19.62
4	10	1715	1750	0.1199	0.0020	ppm	9M06G7D	27E	20.79
4	10	1715	1750	0.1138	0.0024	ppm	9M04W7D	27E	20.56
4	15	1717.5	1747.5	0.1183	0.0007	ppm	13M6G7D	27E	20.73
4	15	1717.5	1747.5	0.1216	0.0009	ppm	13M6W7D	27E	20.85
4	20	1720	1745	0.1183	0.0021	ppm	18M1G7D	27E	20.73
4	20	1720	1745	0.1026	0.0020	ppm	18M1W7D	27E	20.11

7.2 Form731_EIRP

7.2.1 Test Result

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	0.1510	0.0024	ppm	1M13G7D	27E	21.79
4	1.4	1710.7	1754.3	0.1262	0.0022	ppm	1M11W7D	27E	21.01
4	3	1711.5	1753.5	0.1531	0.0011	ppm	2M75G7D	27E	21.85
4	3	1711.5	1753.5	0.1276	0.0009	ppm	2M77W7D	27E	21.06
4	5	1712.5	1752.5	0.1596	0.0020	ppm	4M56G7D	27E	22.03
4	5	1712.5	1752.5	0.1202	0.0021	ppm	4M58W7D	27E	20.80
4	10	1715	1750	0.1574	0.0020	ppm	9M06G7D	27E	21.97
4	10	1715	1750	0.1493	0.0024	ppm	9M04W7D	27E	21.74
4	15	1717.5	1747.5	0.1552	0.0007	ppm	13M6G7D	27E	21.91
4	15	1717.5	1747.5	0.1596	0.0009	ppm	13M6W7D	27E	22.03
4	20	1720	1745	0.1552	0.0021	ppm	18M1G7D	27E	21.91
4	20	1720	1745	0.1346	0.0020	ppm	18M1W7D	27E	21.29