1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

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	18.03	0.48	18.51	<=30	Pass
			2	18.10	0.48	18.58	<=30	Pass
			5	18.15	0.48	18.63	<=30	Pass
		3	0	18.30	0.48	18.78	<=30	Pass
			2	18.21	0.48	18.69	<=30	Pass
			3	18.12	0.48	18.60	<=30	Pass
		6	0	17.22	0.48	17.70	<=30	Pass
	1732.5	1	0	20.03	0.48	20.51	<=30	Pass
			2	20.06	0.48	20.54	<=30	Pass
			5	20.00	0.48	20.48	<=30	Pass
		3	0	20.07	0.48	20.55	<=30	Pass
			2	20.03	0.48	20.51	<=30	Pass
			3	20.15	0.48	20.63	<=30	Pass
		6	0	19.14	0.48	19.62	<=30	Pass
	1754.3	1	0	20.00	0.48	20.48	<=30	Pass
			2	20.08	0.48	20.56	<=30	Pass
			5	20.02	0.48	20.50	<=30	Pass
		3	0	20.08	0.48	20.56	<=30	Pass
			2	20.10	0.48	20.58	<=30	Pass
			3	20.00	0.48	20.48	<=30	Pass
		6	0	18.96	0.48	19.44	<=30	Pass
16QAM	1710.7	1	0	16.68	0.48	17.16	<=30	Pass
			2	16.66	0.48	17.14	<=30	Pass
			5	16.69	0.48	17.17	<=30	Pass
		3	0	17.06	0.48	17.54	<=30	Pass
			2	17.07	0.48	17.55	<=30	Pass
			3	17.13	0.48	17.61	<=30	Pass
		6	0	16.38	0.48	16.86	<=30	Pass
	1732.5	1	0	18.60	0.48	19.08	<=30	Pass
			2	18.66	0.48	19.14	<=30	Pass
			5	18.61	0.48	19.09	<=30	Pass
		3	0	18.99	0.48	19.47	<=30	Pass
			2	19.03	0.48	19.51	<=30	Pass
			3	18.96	0.48	19.44	<=30	Pass
		6	0	18.25	0.48	18.73	<=30	Pass
	1754.3	1	0	19.00	0.48	19.48	<=30	Pass
			2	18.71	0.48	19.19	<=30	Pass
			5	18.84	0.48	19.32	<=30	Pass
		3	0	18.97	0.48	19.45	<=30	Pass
			2	18.96	0.48	19.44	<=30	Pass
			3	18.95	0.48	19.43	<=30	Pass
		6	0	18.30	0.48	18.78	<=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	19.37	0.48	19.85	<=30	Pass
			7	19.41	0.48	19.89	<=30	Pass
			14	19.44	0.48	19.92	<=30	Pass
		8	0	19.39	0.48	19.87	<=30	Pass
			4	19.45	0.48	19.93	<=30	Pass
			7	19.61	0.48	20.09	<=30	Pass
		15	0	19.52	0.48	20.00	<=30	Pass
	1732.5	1	0	18.97	0.48	19.45	<=30	Pass
			7	18.95	0.48	19.43	<=30	Pass
			14	18.96	0.48	19.44	<=30	Pass
		8	0	19.04	0.48	19.52	<=30	Pass
			4	19.04	0.48	19.52	<=30	Pass
			7	19.03	0.48	19.51	<=30	Pass
		15	0	19.03	0.48	19.51	<=30	Pass
	1753.5	1	0	16.92	0.48	17.40	<=30	Pass
			7	16.95	0.48	17.43	<=30	Pass
			14	16.94	0.48	17.42	<=30	Pass
		8	0	16.93	0.48	17.41	<=30	Pass
			4	16.93	0.48	17.41	<=30	Pass
			7	17.00	0.48	17.48	<=30	Pass
		15	0	17.00	0.48	17.48	<=30	Pass
16QAM	1711.5	1	0	19.50	0.48	19.98	<=30	Pass
			7	19.48	0.48	19.96	<=30	Pass
			14	19.46	0.48	19.94	<=30	Pass
		8	0	19.45	0.48	19.93	<=30	Pass
			4	19.44	0.48	19.92	<=30	Pass
			7	19.42	0.48	19.90	<=30	Pass
		15	0	19.41	0.48	19.89	<=30	Pass
	1732.5	1	0	16.91	0.48	17.39	<=30	Pass
			7	16.93	0.48	17.41	<=30	Pass
			14	16.93	0.48	17.41	<=30	Pass
		8	0	16.93	0.48	17.41	<=30	Pass
			4	16.93	0.48	17.41	<=30	Pass
			7	16.93	0.48	17.41	<=30	Pass
		15	0	16.93	0.48	17.41	<=30	Pass
	1753.5	1	0	16.99	0.48	17.47	<=30	Pass
			7	16.99	0.48	17.47	<=30	Pass
			14	16.98	0.48	17.46	<=30	Pass
		8	0	16.98	0.48	17.46	<=30	Pass
			4	16.98	0.48	17.46	<=30	Pass
			7	15.00	0.48	15.48	<=30	Pass
		15	0	15.06	0.48	15.54	<=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	RB Allocation	Conducted Power	Gain	EIRP (dBm)	Verdict

	(MHz)	Size	Offset	(dBm)	(dBi)	Result	Limit	
QPSK	1712.5	1	0	16.19	0.48	16.67	<=30	Pass
			13	16.62	0.48	17.10	<=30	Pass
			24	16.01	0.48	16.49	<=30	Pass
		12	0	15.52	0.48	16.00	<=30	Pass
			6	15.65	0.48	16.13	<=30	Pass
			13	15.45	0.48	15.93	<=30	Pass
		25	0	15.48	0.48	15.96	<=30	Pass
	1732.5	1	0	20.15	0.48	20.63	<=30	Pass
			13	20.06	0.48	20.54	<=30	Pass
			24	20.14	0.48	20.62	<=30	Pass
		12	0	19.15	0.48	19.63	<=30	Pass
			6	18.97	0.48	19.45	<=30	Pass
			13	19.13	0.48	19.61	<=30	Pass
		25	0	19.03	0.48	19.51	<=30	Pass
	1752.5	1	0	17.98	0.48	18.46	<=30	Pass
			13	17.89	0.48	18.37	<=30	Pass
			24	17.96	0.48	18.44	<=30	Pass
		12	0	16.98	0.48	17.46	<=30	Pass
			6	16.93	0.48	17.41	<=30	Pass
			13	16.89	0.48	17.37	<=30	Pass
		25	0	16.93	0.48	17.41	<=30	Pass
16QAM	1712.5	1	0	19.64	0.48	20.12	<=30	Pass
			13	19.54	0.48	20.02	<=30	Pass
			24	19.55	0.48	20.03	<=30	Pass
		12	0	18.61	0.48	19.09	<=30	Pass
			6	18.58	0.48	19.06	<=30	Pass
			13	18.57	0.48	19.05	<=30	Pass
		25	0	18.70	0.48	19.18	<=30	Pass
	1732.5	1	0	19.38	0.48	19.86	<=30	Pass
			13	19.32	0.48	19.80	<=30	Pass
			24	17.18	0.48	17.66	<=30	Pass
		12	0	16.48	0.48	16.96	<=30	Pass
			6	16.66	0.48	17.14	<=30	Pass
			13	16.55	0.48	17.03	<=30	Pass
		25	0	16.52	0.48	17.00	<=30	Pass
	1752.5	1	0	16.23	0.48	16.71	<=30	Pass
			13	16.20	0.48	16.68	<=30	Pass
			24	16.23	0.48	16.71	<=30	Pass
		12	0	15.94	0.48	16.42	<=30	Pass
			6	16.09	0.48	16.57	<=30	Pass
			13	15.92	0.48	16.40	<=30	Pass
		25	0	16.01	0.48	16.49	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B4_10MHz_EIRP

1.4.1 Test Result

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	15.54	0.48	16.02	<=30	Pass
			25	15.51	0.48	15.99	<=30	Pass
			49	15.49	0.48	15.97	<=30	Pass
		25	0	15.47	0.48	15.95	<=30	Pass
			13	15.46	0.48	15.94	<=30	Pass
			25	15.57	0.48	16.05	<=30	Pass

		50	0	15.56	0.48	16.04	<=30	Pass
	1732.5	1	0	17.01	0.48	17.49	<=30	Pass
			25	16.98	0.48	17.46	<=30	Pass
			49	19.06	0.48	19.54	<=30	Pass
		25	0	19.05	0.48	19.53	<=30	Pass
			13	19.03	0.48	19.51	<=30	Pass
			25	19.02	0.48	19.50	<=30	Pass
		50	0	19.00	0.48	19.48	<=30	Pass
	1750	1	0	16.91	0.48	17.39	<=30	Pass
			25	16.89	0.48	17.37	<=30	Pass
			49	16.88	0.48	17.36	<=30	Pass
		25	0	16.87	0.48	17.35	<=30	Pass
			13	16.86	0.48	17.34	<=30	Pass
			25	16.86	0.48	17.34	<=30	Pass
		50	0	16.85	0.48	17.33	<=30	Pass
16QAM	1715	1	0	15.56	0.48	16.04	<=30	Pass
			25	15.55	0.48	16.03	<=30	Pass
			49	15.55	0.48	16.03	<=30	Pass
		25	0	15.54	0.48	16.02	<=30	Pass
			13	15.54	0.48	16.02	<=30	Pass
			25	15.54	0.48	16.02	<=30	Pass
		50	0	15.67	0.48	16.15	<=30	Pass
	1732.5	1	0	18.99	0.48	19.47	<=30	Pass
			25	18.98	0.48	19.46	<=30	Pass
			49	18.98	0.48	19.46	<=30	Pass
		25	0	18.97	0.48	19.45	<=30	Pass
			13	18.96	0.48	19.44	<=30	Pass
			25	16.97	0.48	17.45	<=30	Pass
		50	0	16.98	0.48	17.46	<=30	Pass
	1750	1	0	16.85	0.48	17.33	<=30	Pass
			25	16.85	0.48	17.33	<=30	Pass
			49	16.84	0.48	17.32	<=30	Pass
		25	0	16.84	0.48	17.32	<=30	Pass
			13	16.84	0.48	17.32	<=30	Pass
			25	16.96	0.48	17.44	<=30	Pass
		50	0	16.96	0.48	17.44	<=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	16.37	0.48	16.85	<=30	Pass
			38	16.36	0.48	16.84	<=30	Pass
			74	16.43	0.48	16.91	<=30	Pass
		36	0	15.42	0.48	15.90	<=30	Pass
			18	15.38	0.48	15.86	<=30	Pass
			39	15.46	0.48	15.94	<=30	Pass
		75	0	15.44	0.48	15.92	<=30	Pass
	1732.5	1	0	16.39	0.48	16.87	<=30	Pass
			38	16.68	0.48	17.16	<=30	Pass
			74	16.51	0.48	16.99	<=30	Pass
		36	0	15.61	0.48	16.09	<=30	Pass
			18	15.13	0.48	15.61	<=30	Pass
			39	13.98	0.48	14.46	<=30	Pass

		75	0	13.91	0.48	14.39	<=30	Pass
	1747.5	1	0	14.92	0.48	15.40	<=30	Pass
			38	14.42	0.48	14.90	<=30	Pass
			74	14.30	0.48	14.78	<=30	Pass
		36	0	13.91	0.48	14.39	<=30	Pass
			18	13.63	0.48	14.11	<=30	Pass
			39	13.54	0.48	14.02	<=30	Pass
		75	0	13.73	0.48	14.21	<=30	Pass
16QAM	1717.5	1	0	15.90	0.48	16.38	<=30	Pass
			38	15.98	0.48	16.46	<=30	Pass
			74	15.93	0.48	16.41	<=30	Pass
		36	0	14.60	0.48	15.08	<=30	Pass
			18	14.49	0.48	14.97	<=30	Pass
			39	14.65	0.48	15.13	<=30	Pass
		75	0	14.60	0.48	15.08	<=30	Pass
	1732.5	1	0	14.02	0.48	14.50	<=30	Pass
			38	14.29	0.48	14.77	<=30	Pass
			74	14.23	0.48	14.71	<=30	Pass
		36	0	12.97	0.48	13.45	<=30	Pass
			18	13.04	0.48	13.52	<=30	Pass
			39	13.14	0.48	13.62	<=30	Pass
		75	0	13.06	0.48	13.54	<=30	Pass
	1747.5	1	0	15.21	0.48	15.69	<=30	Pass
			38	15.59	0.48	16.07	<=30	Pass
			74	15.47	0.48	15.95	<=30	Pass
		36	0	14.82	0.48	15.30	<=30	Pass
			18	14.55	0.48	15.03	<=30	Pass
			39	14.48	0.48	14.96	<=30	Pass
		75	0	14.65	0.48	15.13	<=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	19.26	0.48	19.74	<=30	Pass
			50	19.29	0.48	19.77	<=30	Pass
			99	19.24	0.48	19.72	<=30	Pass
		50	0	19.27	0.48	19.75	<=30	Pass
			25	19.24	0.48	19.72	<=30	Pass
			50	19.37	0.48	19.85	<=30	Pass
		100	0	19.41	0.48	19.89	<=30	Pass
	1732.5	1	0	17.02	0.48	17.50	<=30	Pass
			50	17.00	0.48	17.48	<=30	Pass
			99	17.00	0.48	17.48	<=30	Pass
		50	0	17.00	0.48	17.48	<=30	Pass
			25	16.99	0.48	17.47	<=30	Pass
			50	16.99	0.48	17.47	<=30	Pass
		100	0	16.99	0.48	17.47	<=30	Pass
	1745	1	0	16.97	0.48	17.45	<=30	Pass
			50	16.95	0.48	17.43	<=30	Pass
			99	15.67	0.48	16.15	<=30	Pass
		50	0	15.72	0.48	16.20	<=30	Pass
			25	15.73	0.48	16.21	<=30	Pass
			50	15.74	0.48	16.22	<=30	Pass

		100	0	15.75	0.48	16.23	<=30	Pass
16QAM	1720	1	0	19.39	0.48	19.87	<=30	Pass
			50	19.37	0.48	19.85	<=30	Pass
			99	19.35	0.48	19.83	<=30	Pass
		50	0	19.34	0.48	19.82	<=30	Pass
			25	19.32	0.48	19.80	<=30	Pass
			50	19.40	0.48	19.88	<=30	Pass
		100	0	17.33	0.48	17.81	<=30	Pass
	1732.5	1	0	16.98	0.48	17.46	<=30	Pass
			50	16.98	0.48	17.46	<=30	Pass
			99	16.98	0.48	17.46	<=30	Pass
		50	0	16.98	0.48	17.46	<=30	Pass
			25	16.97	0.48	17.45	<=30	Pass
			50	16.97	0.48	17.45	<=30	Pass
		100	0	16.97	0.48	17.45	<=30	Pass
	1745	1	0	15.76	0.48	16.24	<=30	Pass
			50	15.76	0.48	16.24	<=30	Pass
			99	15.77	0.48	16.25	<=30	Pass
		50	0	15.77	0.48	16.25	<=30	Pass
			25	15.77	0.48	16.25	<=30	Pass
			50	15.77	0.48	16.25	<=30	Pass
		100	0	15.77	0.48	16.25	<=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	3.27	30.298	0.0177	-2.5 to 2.5	Pass
					3.85	28.825	0.0168	-2.5 to 2.5	Pass
					4.43	31.700	0.0185	-2.5 to 2.5	Pass
				-30	3.85	33.975	0.0199	-2.5 to 2.5	Pass
				-20	3.85	35.605	0.0208	-2.5 to 2.5	Pass
				-10	3.85	36.750	0.0215	-2.5 to 2.5	Pass
				0	3.85	37.980	0.0222	-2.5 to 2.5	Pass
				10	3.85	39.368	0.0230	-2.5 to 2.5	Pass
				30	3.85	39.668	0.0232	-2.5 to 2.5	Pass
				40	3.85	40.627	0.0237	-2.5 to 2.5	Pass
				50	3.85	40.927	0.0239	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-1.016	-0.0006	-2.5 to 2.5	Pass
					3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
					4.43	-3.505	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-3.033	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-2.332	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				10	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				30	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	34.876	0.0199	-2.5 to 2.5	Pass
					3.85	5.236	0.0030	-2.5 to 2.5	Pass

					4.43	10.772	0.0061	-2.5 to 2.5	Pass
				-30	3.85	25.249	0.0144	-2.5 to 2.5	Pass
				-20	3.85	35.734	0.0204	-2.5 to 2.5	Pass
				-10	3.85	-5.279	-0.0030	-2.5 to 2.5	Pass
				0	3.85	1.316	0.0008	-2.5 to 2.5	Pass
				10	3.85	6.351	0.0036	-2.5 to 2.5	Pass
				30	3.85	10.057	0.0057	-2.5 to 2.5	Pass
				40	3.85	12.417	0.0071	-2.5 to 2.5	Pass
				50	3.85	15.821	0.0090	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	40.712	0.0238	-2.5 to 2.5	Pass
					3.85	42.758	0.0250	-2.5 to 2.5	Pass
					4.43	42.515	0.0249	-2.5 to 2.5	Pass
				-30	3.85	41.513	0.0243	-2.5 to 2.5	Pass
				-20	3.85	39.525	0.0231	-2.5 to 2.5	Pass
				-10	3.85	39.239	0.0229	-2.5 to 2.5	Pass
				0	3.85	39.425	0.0230	-2.5 to 2.5	Pass
				10	3.85	39.368	0.0230	-2.5 to 2.5	Pass
				30	3.85	40.970	0.0239	-2.5 to 2.5	Pass
				40	3.85	42.043	0.0246	-2.5 to 2.5	Pass
				50	3.85	43.159	0.0252	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-2.661	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
					4.43	-2.832	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-5.035	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-6.151	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-6.695	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-6.952	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-6.852	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-8.025	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-7.582	-0.0044	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	18.425	0.0105	-2.5 to 2.5	Pass
					3.85	28.095	0.0160	-2.5 to 2.5	Pass
					4.43	30.427	0.0173	-2.5 to 2.5	Pass
				-30	3.85	30.155	0.0172	-2.5 to 2.5	Pass
				-20	3.85	30.298	0.0173	-2.5 to 2.5	Pass
				-10	3.85	30.913	0.0176	-2.5 to 2.5	Pass
				0	3.85	31.657	0.0180	-2.5 to 2.5	Pass
				10	3.85	31.142	0.0178	-2.5 to 2.5	Pass
				30	3.85	31.986	0.0182	-2.5 to 2.5	Pass
				40	3.85	32.144	0.0183	-2.5 to 2.5	Pass
				50	3.85	32.401	0.0185	-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	3.27	6.623	0.0039	-2.5 to 2.5	Pass
					3.85	15.149	0.0089	-2.5 to 2.5	Pass
					4.43	20.900	0.0122	-2.5 to 2.5	Pass
				-30	3.85	25.864	0.0151	-2.5 to 2.5	Pass
				-20	3.85	29.354	0.0172	-2.5 to 2.5	Pass
				-10	3.85	31.385	0.0183	-2.5 to 2.5	Pass
				0	3.85	33.488	0.0196	-2.5 to 2.5	Pass
				10	3.85	34.804	0.0203	-2.5 to 2.5	Pass

				30	3.85	35.906	0.0210	-2.5 to 2.5	Pass
				40	3.85	37.494	0.0219	-2.5 to 2.5	Pass
				50	3.85	-11.444	-0.0067	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-3.648	-0.0021	-2.5 to 2.5	Pass
					3.85	-9.627	-0.0056	-2.5 to 2.5	Pass
					4.43	-9.527	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				-20	3.85	3.519	0.0020	-2.5 to 2.5	Pass
				-10	3.85	3.505	0.0020	-2.5 to 2.5	Pass
				0	3.85	3.705	0.0021	-2.5 to 2.5	Pass
				10	3.85	3.648	0.0021	-2.5 to 2.5	Pass
				30	3.85	4.506	0.0026	-2.5 to 2.5	Pass
				40	3.85	4.377	0.0025	-2.5 to 2.5	Pass
				50	3.85	4.306	0.0025	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-16.680	-0.0095	-2.5 to 2.5	Pass
					3.85	-16.866	-0.0096	-2.5 to 2.5	Pass
					4.43	-16.537	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-16.866	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-16.365	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-16.251	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-16.966	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-16.708	-0.0095	-2.5 to 2.5	Pass
				30	3.85	-17.052	-0.0097	-2.5 to 2.5	Pass
				40	3.85	-16.952	-0.0097	-2.5 to 2.5	Pass
				50	3.85	-17.009	-0.0097	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-11.058	-0.0065	-2.5 to 2.5	Pass
					3.85	-9.398	-0.0055	-2.5 to 2.5	Pass
					4.43	-16.208	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-15.879	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-13.618	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-11.501	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-9.556	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-19.884	-0.0116	-2.5 to 2.5	Pass
				30	3.85	-28.524	-0.0167	-2.5 to 2.5	Pass
				40	3.85	-25.449	-0.0149	-2.5 to 2.5	Pass
				50	3.85	-20.342	-0.0119	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	4.907	0.0028	-2.5 to 2.5	Pass
					3.85	18.368	0.0106	-2.5 to 2.5	Pass
					4.43	19.083	0.0110	-2.5 to 2.5	Pass
				-30	3.85	14.648	0.0085	-2.5 to 2.5	Pass
				-20	3.85	10.786	0.0062	-2.5 to 2.5	Pass
				-10	3.85	8.311	0.0048	-2.5 to 2.5	Pass
				0	3.85	6.166	0.0036	-2.5 to 2.5	Pass
				10	3.85	8.411	0.0049	-2.5 to 2.5	Pass
				30	3.85	7.453	0.0043	-2.5 to 2.5	Pass
				40	3.85	5.064	0.0029	-2.5 to 2.5	Pass
				50	3.85	1.645	0.0009	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-13.347	-0.0076	-2.5 to 2.5	Pass
					3.85	-12.717	-0.0073	-2.5 to 2.5	Pass
					4.43	-14.906	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-16.708	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-18.010	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-18.969	-0.0108	-2.5 to 2.5	Pass
				0	3.85	-19.870	-0.0113	-2.5 to 2.5	Pass
				10	3.85	-20.986	-0.0120	-2.5 to 2.5	Pass
				30	3.85	-21.372	-0.0122	-2.5 to 2.5	Pass
				40	3.85	-22.030	-0.0126	-2.5 to 2.5	Pass
				50	3.85	-22.273	-0.0127	-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	3.27	7.324	0.0043	-2.5 to 2.5	Pass
					3.85	18.554	0.0108	-2.5 to 2.5	Pass
					4.43	27.080	0.0158	-2.5 to 2.5	Pass
				-30	3.85	32.945	0.0192	-2.5 to 2.5	Pass
				-20	3.85	37.394	0.0218	-2.5 to 2.5	Pass
				-10	3.85	5.994	0.0035	-2.5 to 2.5	Pass
				0	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-8.254	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-27.809	-0.0162	-2.5 to 2.5	Pass
				50	3.85	-24.862	-0.0145	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	1.388	0.0008	-2.5 to 2.5	Pass
					3.85	-4.621	-0.0027	-2.5 to 2.5	Pass
					4.43	-6.824	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-7.095	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-6.008	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-6.223	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-6.251	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-5.379	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-5.336	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				50	3.85	11.315	0.0065	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-11.444	-0.0065	-2.5 to 2.5	Pass
					3.85	-13.247	-0.0076	-2.5 to 2.5	Pass
					4.43	-9.913	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-11.687	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-12.002	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-13.576	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-14.734	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-15.278	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-15.950	-0.0091	-2.5 to 2.5	Pass
				40	3.85	-17.066	-0.0097	-2.5 to 2.5	Pass
				50	3.85	-17.424	-0.0099	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-17.481	-0.0102	-2.5 to 2.5	Pass
					3.85	-12.002	-0.0070	-2.5 to 2.5	Pass
					4.43	-7.567	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-3.390	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				-10	3.85	4.005	0.0023	-2.5 to 2.5	Pass
				0	3.85	14.534	0.0085	-2.5 to 2.5	Pass
				10	3.85	16.150	0.0094	-2.5 to 2.5	Pass
				30	3.85	16.379	0.0096	-2.5 to 2.5	Pass
				40	3.85	16.594	0.0097	-2.5 to 2.5	Pass
				50	3.85	17.238	0.0101	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	8.240	0.0048	-2.5 to 2.5	Pass
					3.85	2.003	0.0012	-2.5 to 2.5	Pass
					4.43	-2.947	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-6.452	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-9.313	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-12.002	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-13.390	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-15.550	-0.0090	-2.5 to 2.5	Pass

				30	3.85	-16.780	-0.0097	-2.5 to 2.5	Pass
				40	3.85	-17.653	-0.0102	-2.5 to 2.5	Pass
				50	3.85	-19.641	-0.0113	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-18.182	-0.0104	-2.5 to 2.5	Pass
					3.85	-18.783	-0.0107	-2.5 to 2.5	Pass
					4.43	-19.398	-0.0111	-2.5 to 2.5	Pass
				-30	3.85	-20.070	-0.0115	-2.5 to 2.5	Pass
				-20	3.85	-19.927	-0.0114	-2.5 to 2.5	Pass
				-10	3.85	-20.056	-0.0114	-2.5 to 2.5	Pass
				0	3.85	-20.113	-0.0115	-2.5 to 2.5	Pass
				10	3.85	-21.100	-0.0120	-2.5 to 2.5	Pass
				30	3.85	-21.029	-0.0120	-2.5 to 2.5	Pass
				40	3.85	-21.987	-0.0125	-2.5 to 2.5	Pass
				50	3.85	-22.073	-0.0126	-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	3.27	-17.295	-0.0101	-2.5 to 2.5	Pass
					3.85	-16.994	-0.0099	-2.5 to 2.5	Pass
					4.43	-14.205	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-13.018	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-12.717	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-12.131	-0.0071	-2.5 to 2.5	Pass
				0	3.85	-10.958	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-10.357	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-10.715	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-9.928	-0.0058	-2.5 to 2.5	Pass
				50	3.85	-9.427	-0.0055	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-12.031	-0.0069	-2.5 to 2.5	Pass
					3.85	-11.559	-0.0067	-2.5 to 2.5	Pass
					4.43	-11.015	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-10.657	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-10.629	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-10.471	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-10.443	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-10.500	-0.0061	-2.5 to 2.5	Pass
				30	3.85	-9.956	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-10.343	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-10.142	-0.0059	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-13.390	-0.0077	-2.5 to 2.5	Pass
					3.85	-12.417	-0.0071	-2.5 to 2.5	Pass
					4.43	-11.716	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-10.700	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-9.999	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-9.427	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-9.012	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-9.227	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-8.912	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-8.669	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-8.497	-0.0049	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-9.284	-0.0054	-2.5 to 2.5	Pass
					3.85	-8.998	-0.0052	-2.5 to 2.5	Pass
					4.43	-9.084	-0.0053	-2.5 to 2.5	Pass

				-30	3.85	-9.642	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-10.057	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-10.085	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-9.799	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-11.287	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-11.301	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-11.215	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-11.673	-0.0068	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-9.913	-0.0057	-2.5 to 2.5	Pass
					3.85	-9.255	-0.0053	-2.5 to 2.5	Pass
					4.43	-10.028	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-10.529	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-11.015	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-11.544	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-11.587	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-11.544	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-12.302	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-11.501	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-12.560	-0.0072	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-8.025	-0.0046	-2.5 to 2.5	Pass
					3.85	-6.595	-0.0038	-2.5 to 2.5	Pass
					4.43	-7.138	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-7.968	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-8.626	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-8.597	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-8.440	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-10.772	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-12.488	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-11.930	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-10.529	-0.0060	-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	3.27	13.676	0.0080	-2.5 to 2.5	Pass
					3.85	26.021	0.0152	-2.5 to 2.5	Pass
					4.43	30.999	0.0180	-2.5 to 2.5	Pass
				-30	3.85	37.251	0.0217	-2.5 to 2.5	Pass
				-20	3.85	23.618	0.0138	-2.5 to 2.5	Pass
				-10	3.85	8.626	0.0050	-2.5 to 2.5	Pass
				0	3.85	11.458	0.0067	-2.5 to 2.5	Pass
				10	3.85	12.975	0.0076	-2.5 to 2.5	Pass
				30	3.85	15.235	0.0089	-2.5 to 2.5	Pass
				40	3.85	16.608	0.0097	-2.5 to 2.5	Pass
				50	3.85	17.509	0.0102	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-19.541	-0.0113	-2.5 to 2.5	Pass
					3.85	-28.882	-0.0167	-2.5 to 2.5	Pass
					4.43	-24.848	-0.0143	-2.5 to 2.5	Pass
				-30	3.85	-20.742	-0.0120	-2.5 to 2.5	Pass
				-20	3.85	-17.896	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-14.977	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-13.719	-0.0079	-2.5 to 2.5	Pass
				10	3.85	3.591	0.0021	-2.5 to 2.5	Pass
				30	3.85	2.389	0.0014	-2.5 to 2.5	Pass

				40	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-8.054	-0.0046	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-3.076	-0.0018	-2.5 to 2.5	Pass
					3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
					4.43	-1.860	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	15.721	0.0092	-2.5 to 2.5	Pass
					3.85	-4.292	-0.0025	-2.5 to 2.5	Pass
					4.43	0.043	0.0000	-2.5 to 2.5	Pass
				-30	3.85	6.824	0.0040	-2.5 to 2.5	Pass
				-20	3.85	12.503	0.0073	-2.5 to 2.5	Pass
				-10	3.85	16.279	0.0095	-2.5 to 2.5	Pass
				0	3.85	23.360	0.0136	-2.5 to 2.5	Pass
				10	3.85	44.432	0.0259	-2.5 to 2.5	Pass
				30	3.85	39.983	0.0233	-2.5 to 2.5	Pass
				40	3.85	35.820	0.0209	-2.5 to 2.5	Pass
				50	3.85	32.573	0.0190	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-9.971	-0.0058	-2.5 to 2.5	Pass
					3.85	-13.161	-0.0076	-2.5 to 2.5	Pass
					4.43	-16.522	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-18.382	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-20.356	-0.0117	-2.5 to 2.5	Pass
				-10	3.85	-21.901	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-23.804	-0.0137	-2.5 to 2.5	Pass
				10	3.85	-23.746	-0.0137	-2.5 to 2.5	Pass
				30	3.85	-23.003	-0.0133	-2.5 to 2.5	Pass
				40	3.85	-24.548	-0.0142	-2.5 to 2.5	Pass
				50	3.85	-26.722	-0.0154	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-2.546	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
					4.43	-3.004	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-3.791	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-4.449	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-5.178	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-5.450	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-6.223	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-6.022	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-6.995	-0.0040	-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	3.27	7.496	0.0044	-2.5 to 2.5	Pass
					3.85	19.956	0.0116	-2.5 to 2.5	Pass
					4.43	26.279	0.0153	-2.5 to 2.5	Pass
				-30	3.85	32.687	0.0190	-2.5 to 2.5	Pass

				-20	3.85	37.551	0.0218	-2.5 to 2.5	Pass
				-10	3.85	22.874	0.0133	-2.5 to 2.5	Pass
				0	3.85	6.294	0.0037	-2.5 to 2.5	Pass
				10	3.85	8.426	0.0049	-2.5 to 2.5	Pass
				30	3.85	10.099	0.0059	-2.5 to 2.5	Pass
				40	3.85	10.972	0.0064	-2.5 to 2.5	Pass
				50	3.85	11.287	0.0066	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-12.116	-0.0070	-2.5 to 2.5	Pass
					3.85	-15.006	-0.0087	-2.5 to 2.5	Pass
					4.43	-17.080	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-16.551	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-15.378	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-12.932	-0.0075	-2.5 to 2.5	Pass
				0	3.85	-11.816	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-11.330	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-12.331	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-12.574	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-12.403	-0.0072	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-0.029	0.0000	-2.5 to 2.5	Pass
					3.85	2.775	0.0016	-2.5 to 2.5	Pass
					4.43	4.005	0.0023	-2.5 to 2.5	Pass
				-30	3.85	4.377	0.0025	-2.5 to 2.5	Pass
				-20	3.85	4.563	0.0026	-2.5 to 2.5	Pass
				-10	3.85	5.207	0.0030	-2.5 to 2.5	Pass
				0	3.85	5.307	0.0030	-2.5 to 2.5	Pass
				10	3.85	6.137	0.0035	-2.5 to 2.5	Pass
				30	3.85	5.393	0.0031	-2.5 to 2.5	Pass
				40	3.85	5.422	0.0031	-2.5 to 2.5	Pass
				50	3.85	5.894	0.0034	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	14.820	0.0086	-2.5 to 2.5	Pass
					3.85	15.264	0.0089	-2.5 to 2.5	Pass
					4.43	14.834	0.0086	-2.5 to 2.5	Pass
				-30	3.85	14.305	0.0083	-2.5 to 2.5	Pass
				-20	3.85	14.749	0.0086	-2.5 to 2.5	Pass
				-10	3.85	14.977	0.0087	-2.5 to 2.5	Pass
				0	3.85	14.663	0.0085	-2.5 to 2.5	Pass
				10	3.85	15.035	0.0087	-2.5 to 2.5	Pass
				30	3.85	15.264	0.0089	-2.5 to 2.5	Pass
				40	3.85	15.764	0.0092	-2.5 to 2.5	Pass
				50	3.85	18.783	0.0109	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-12.088	-0.0070	-2.5 to 2.5	Pass
					3.85	-11.916	-0.0069	-2.5 to 2.5	Pass
					4.43	-12.918	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-14.033	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-13.990	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-15.221	-0.0088	-2.5 to 2.5	Pass
				0	3.85	-14.863	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-15.421	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-15.850	-0.0091	-2.5 to 2.5	Pass
				40	3.85	-16.351	-0.0094	-2.5 to 2.5	Pass
				50	3.85	-16.308	-0.0094	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	7.381	0.0042	-2.5 to 2.5	Pass
					3.85	7.253	0.0042	-2.5 to 2.5	Pass
					4.43	6.237	0.0036	-2.5 to 2.5	Pass
				-30	3.85	5.808	0.0033	-2.5 to 2.5	Pass
				-20	3.85	5.765	0.0033	-2.5 to 2.5	Pass
				-10	3.85	4.778	0.0027	-2.5 to 2.5	Pass
				0	3.85	4.992	0.0029	-2.5 to 2.5	Pass
				10	3.85	5.150	0.0030	-2.5 to 2.5	Pass
				30	3.85	4.706	0.0027	-2.5 to 2.5	Pass

				40	3.85	4.907	0.0028	-2.5 to 2.5	Pass
				50	3.85	4.692	0.0027	-2.5 to 2.5	Pass

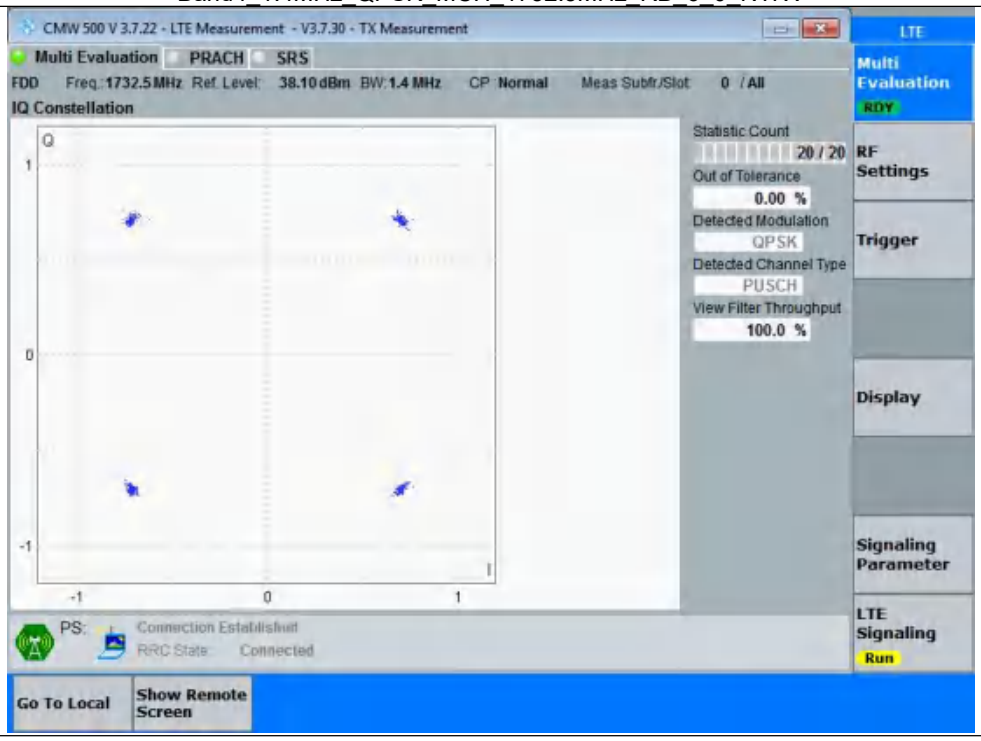
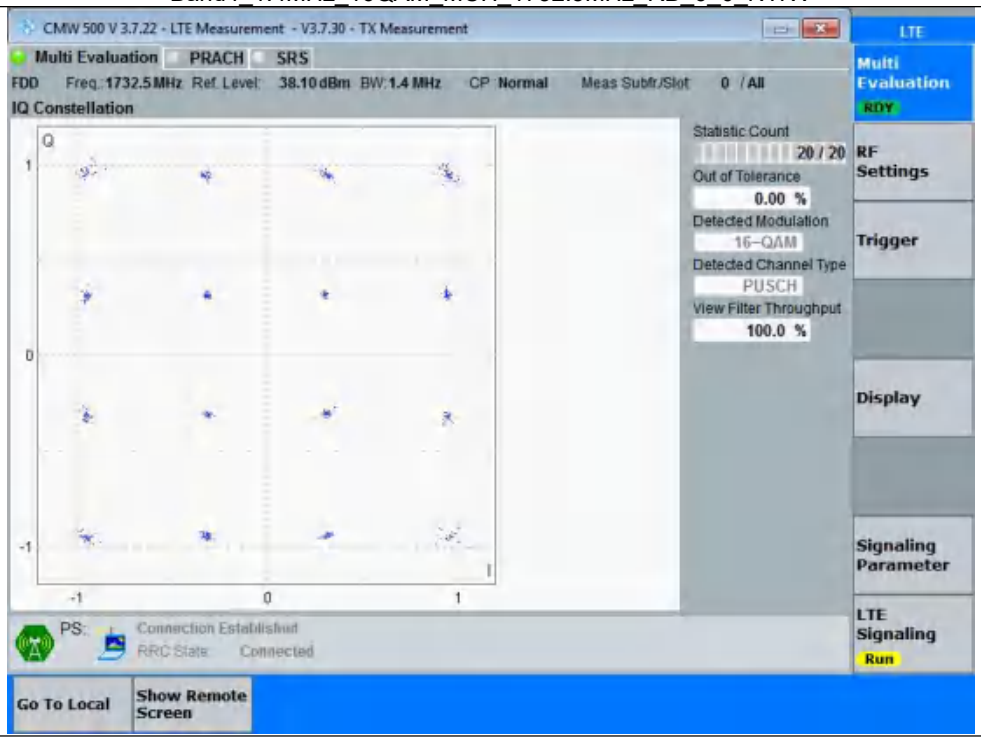
3. Modulation Characteristics

3.1 B4_1.4MHz

3.1.1 Test Result

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 Test Graph

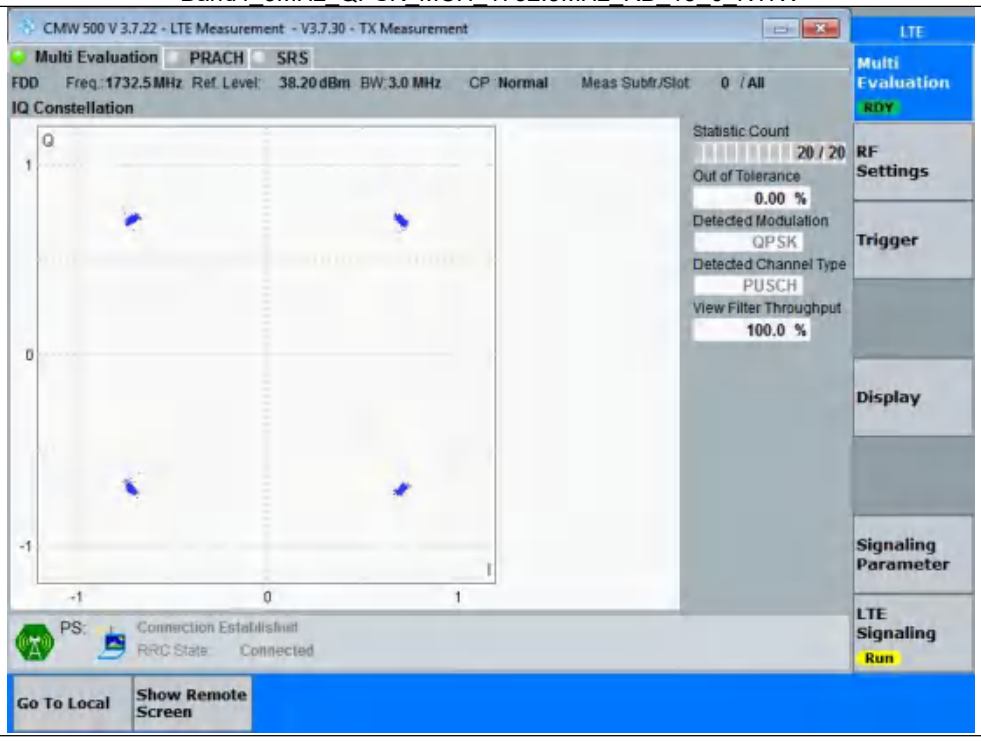
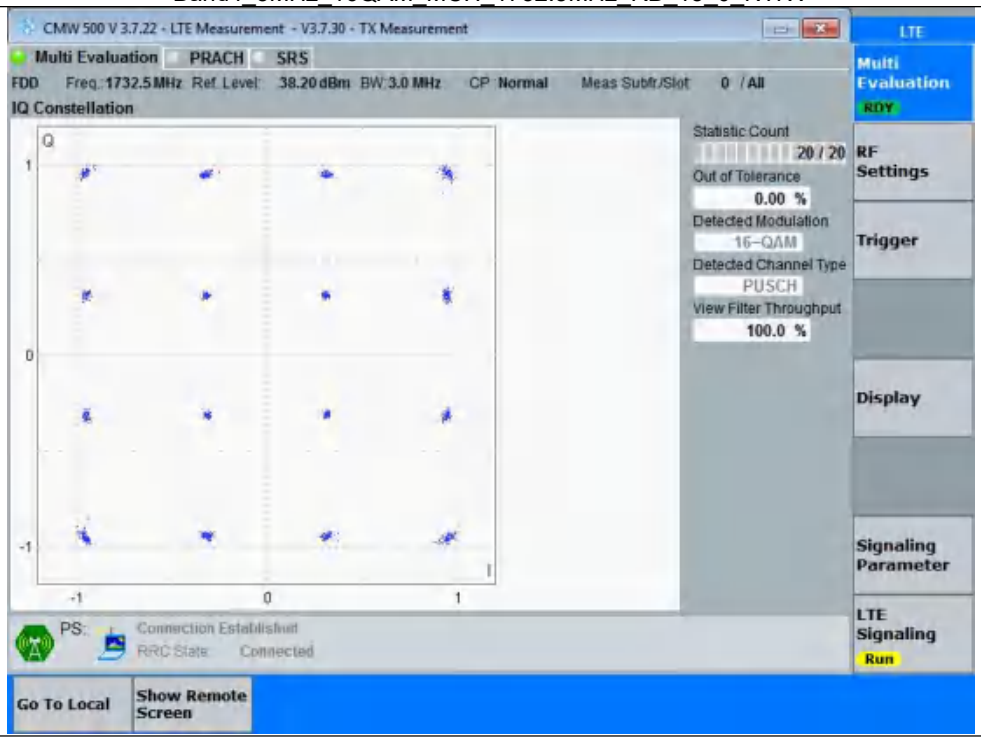
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV


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

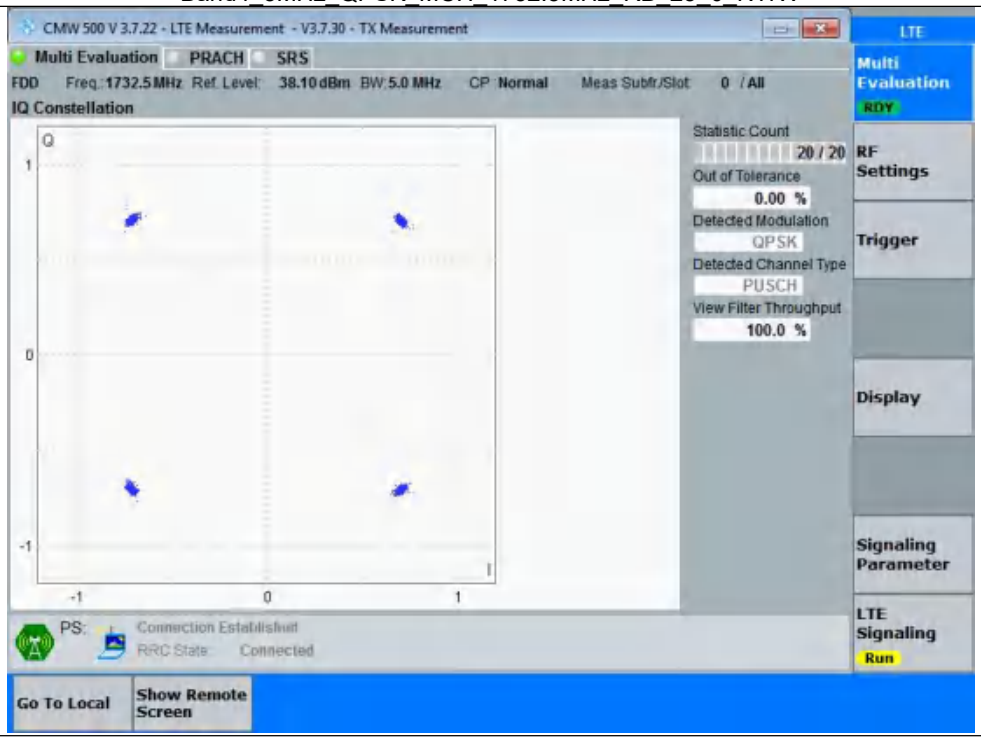
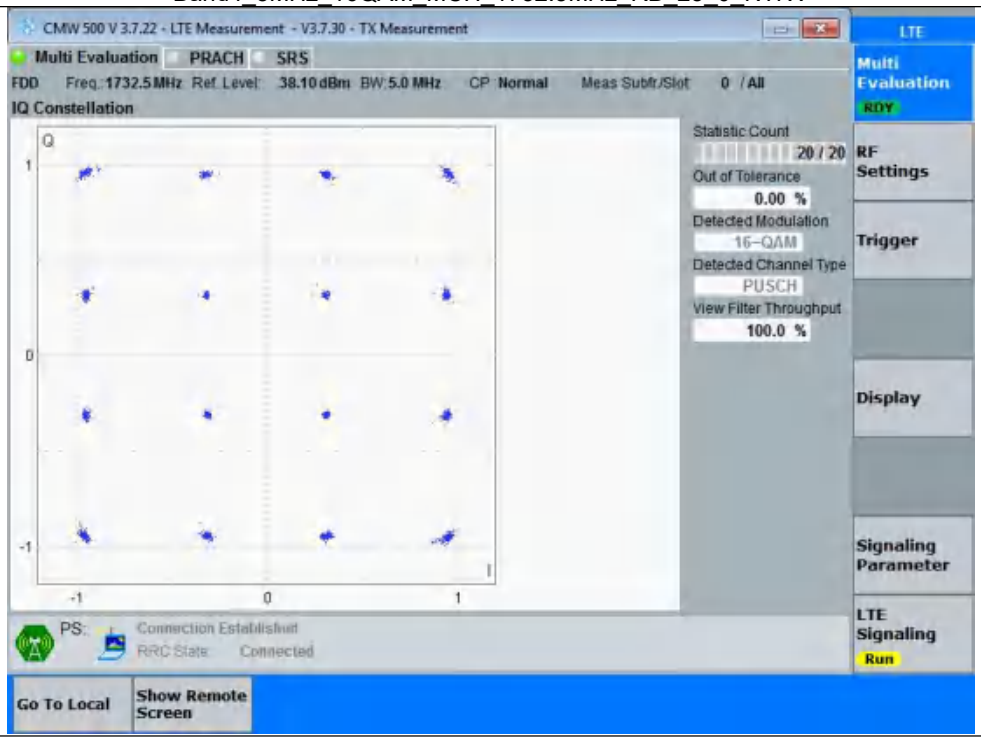
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV


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

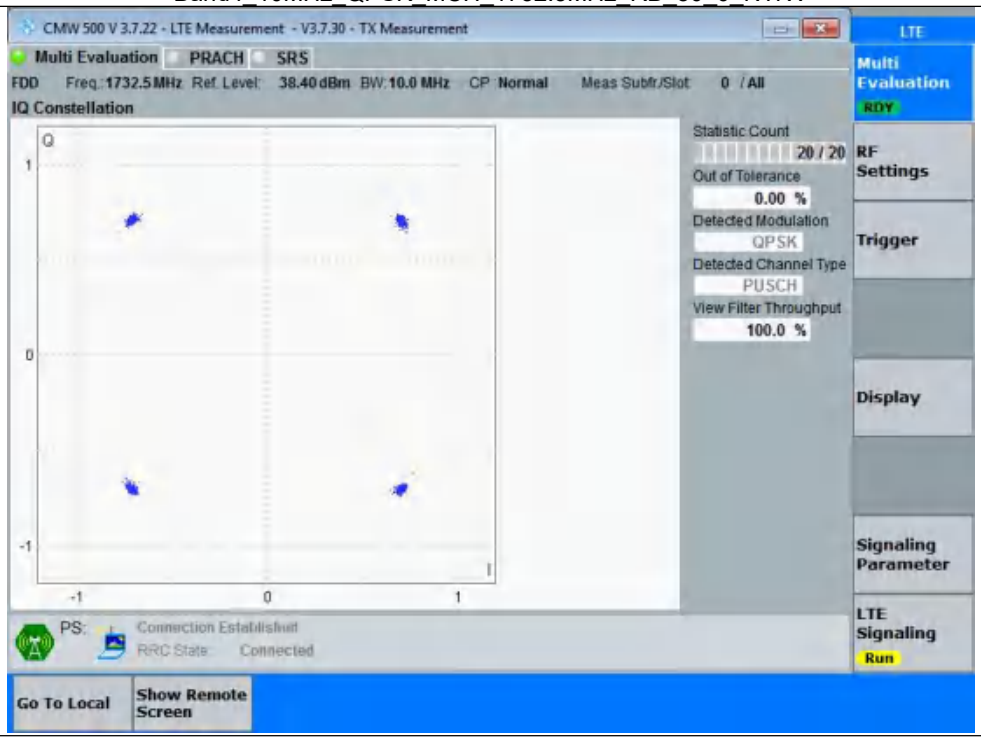
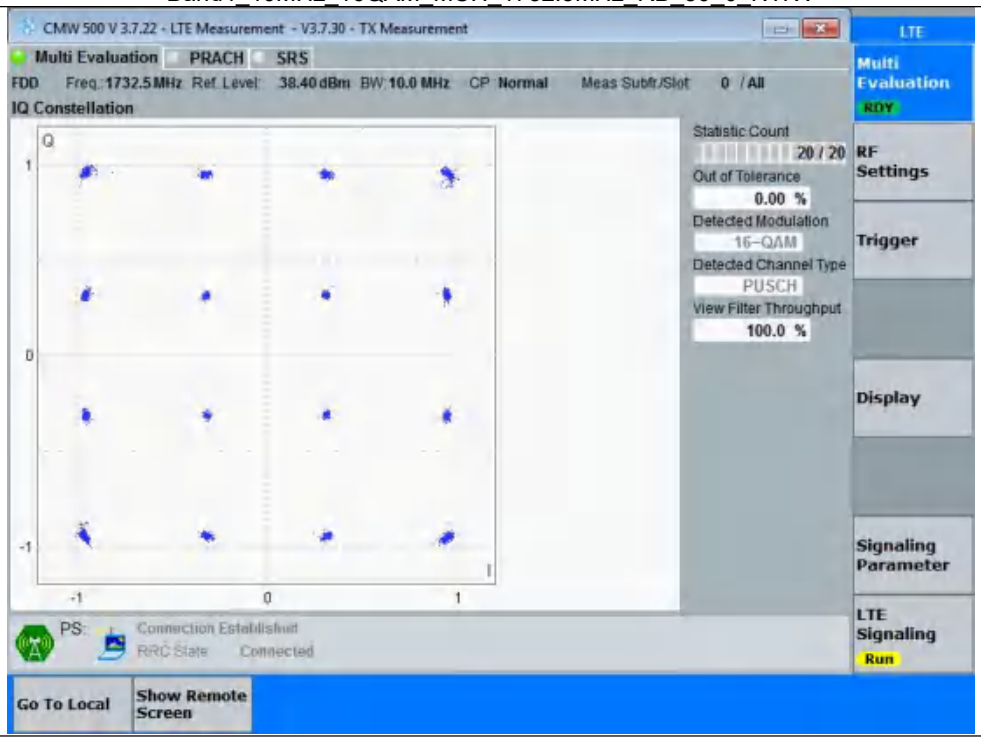
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV


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

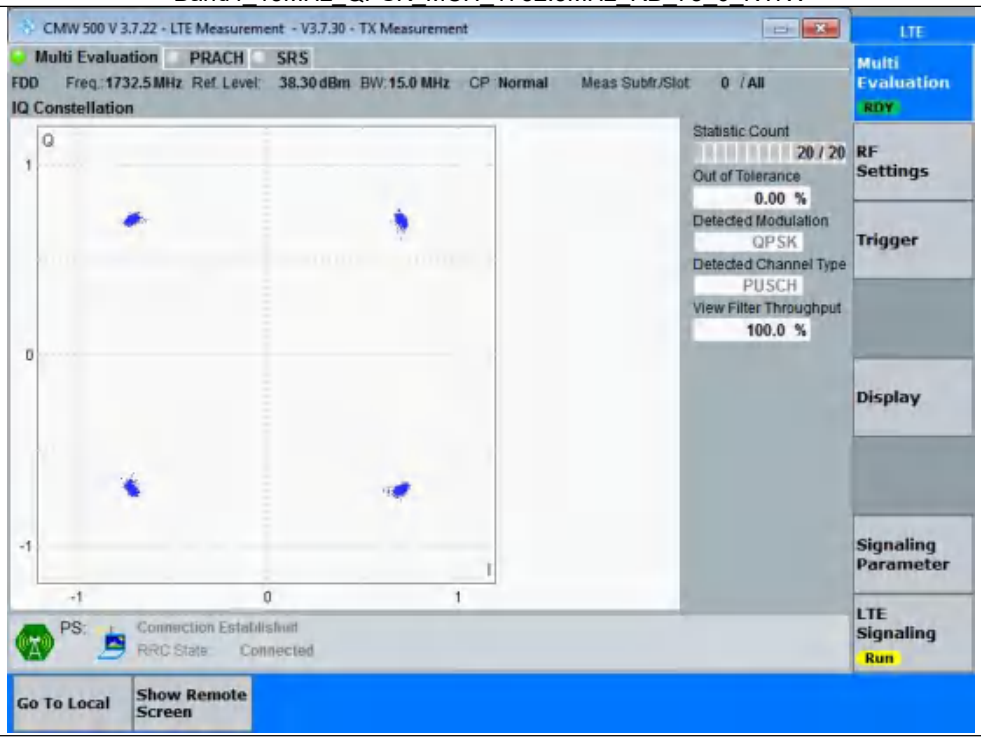
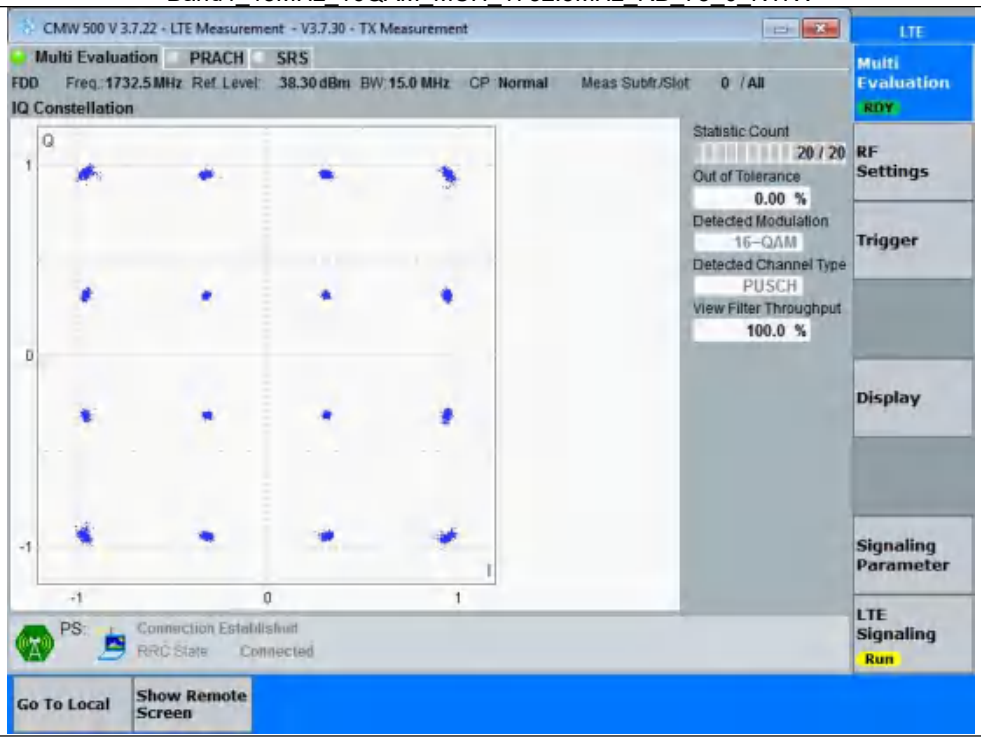
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV


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

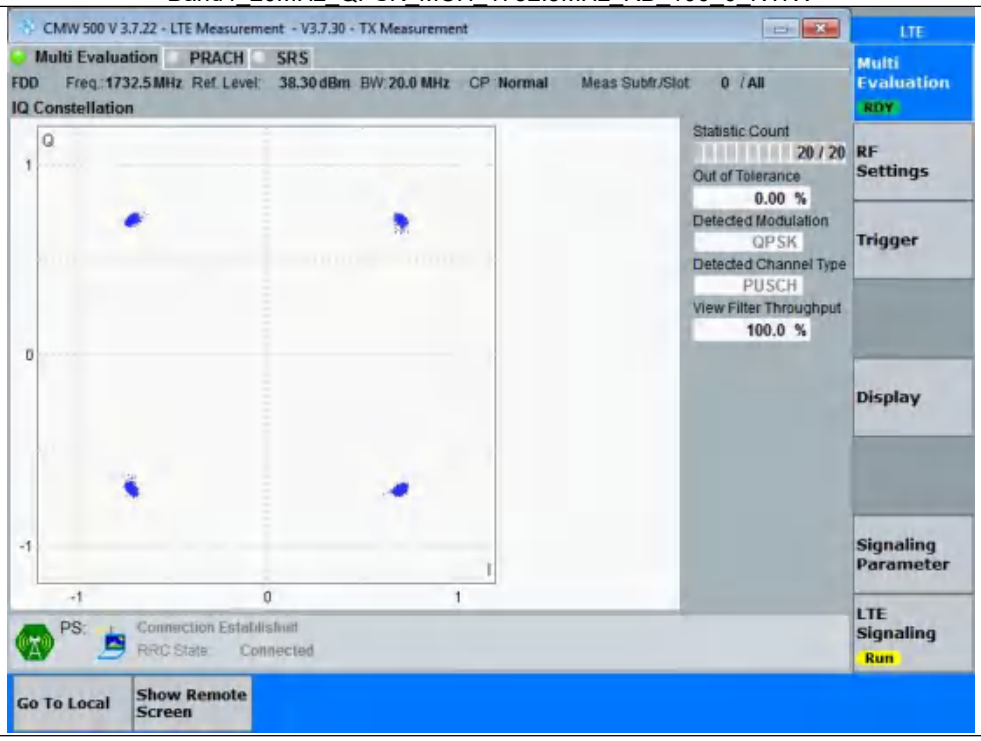
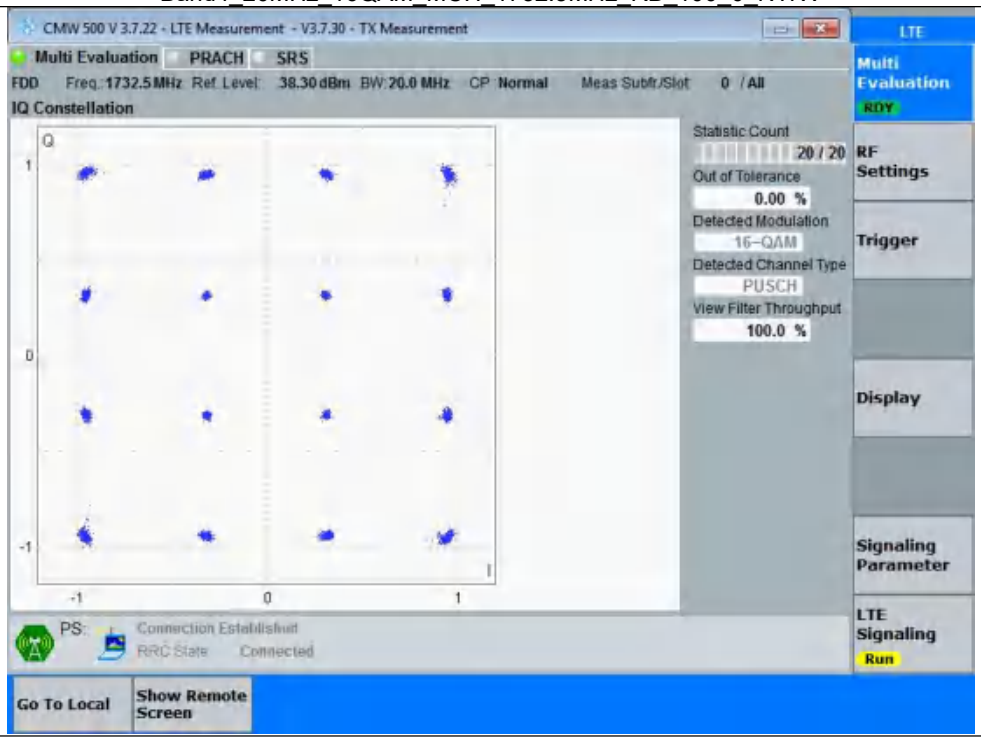
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV


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

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV


4. 99% & 26dB Bandwidth

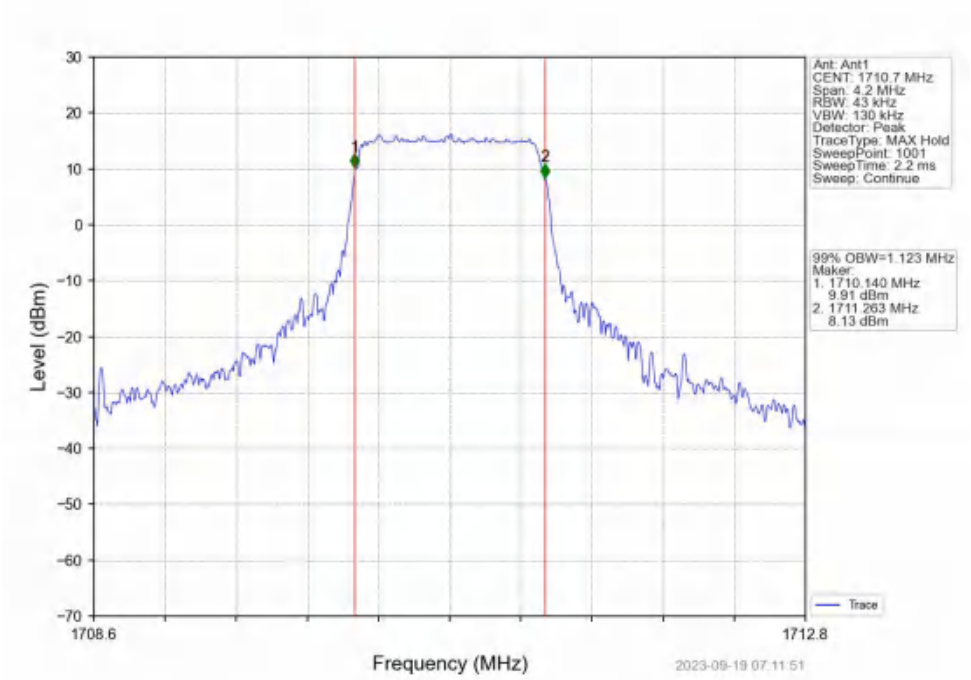
4.1 Band4_OBW

4.1.1 Test Result

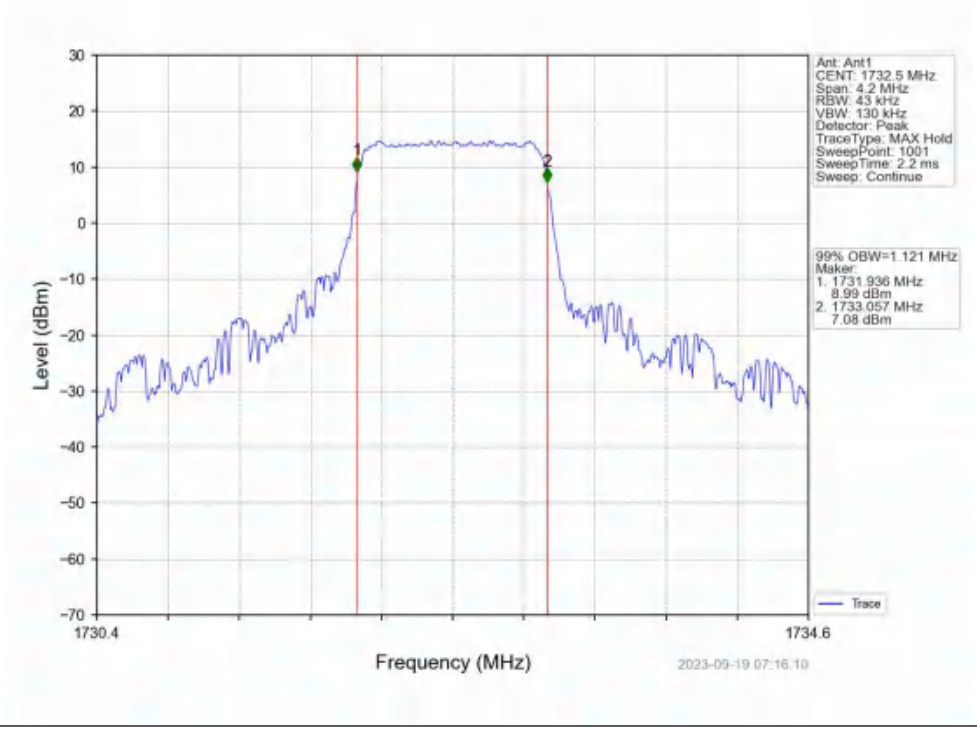
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.123	Pass
		1732.5	6	0	1.121	Pass
		1754.3	6	0	1.120	Pass
	16QAM	1710.7	6	0	1.117	Pass
		1732.5	6	0	1.121	Pass
		1754.3	6	0	1.115	Pass
3	QPSK	1711.5	15	0	2.769	Pass
		1732.5	15	0	2.768	Pass
		1753.5	15	0	2.772	Pass
	16QAM	1711.5	15	0	2.781	Pass
		1732.5	15	0	2.789	Pass
		1753.5	15	0	2.762	Pass
5	QPSK	1712.5	25	0	4.575	Pass
		1732.5	25	0	4.558	Pass
		1752.5	25	0	4.580	Pass
	16QAM	1712.5	25	0	4.587	Pass
		1732.5	25	0	4.588	Pass
		1752.5	25	0	4.578	Pass
10	QPSK	1715	50	0	9.093	Pass
		1732.5	50	0	9.052	Pass
		1750	50	0	9.079	Pass
	16QAM	1715	50	0	9.121	Pass
		1732.5	50	0	9.075	Pass
		1750	50	0	9.102	Pass
15	QPSK	1717.5	75	0	13.643	Pass
		1732.5	75	0	13.605	Pass
		1747.5	75	0	13.617	Pass
	16QAM	1717.5	75	0	13.641	Pass
		1732.5	75	0	13.621	Pass
		1747.5	75	0	13.592	Pass
20	QPSK	1720	100	0	18.180	Pass
		1732.5	100	0	18.174	Pass
		1745	100	0	18.170	Pass
	16QAM	1720	100	0	18.191	Pass
		1732.5	100	0	18.163	Pass
		1745	100	0	18.187	Pass

4.1.2 Test Graph

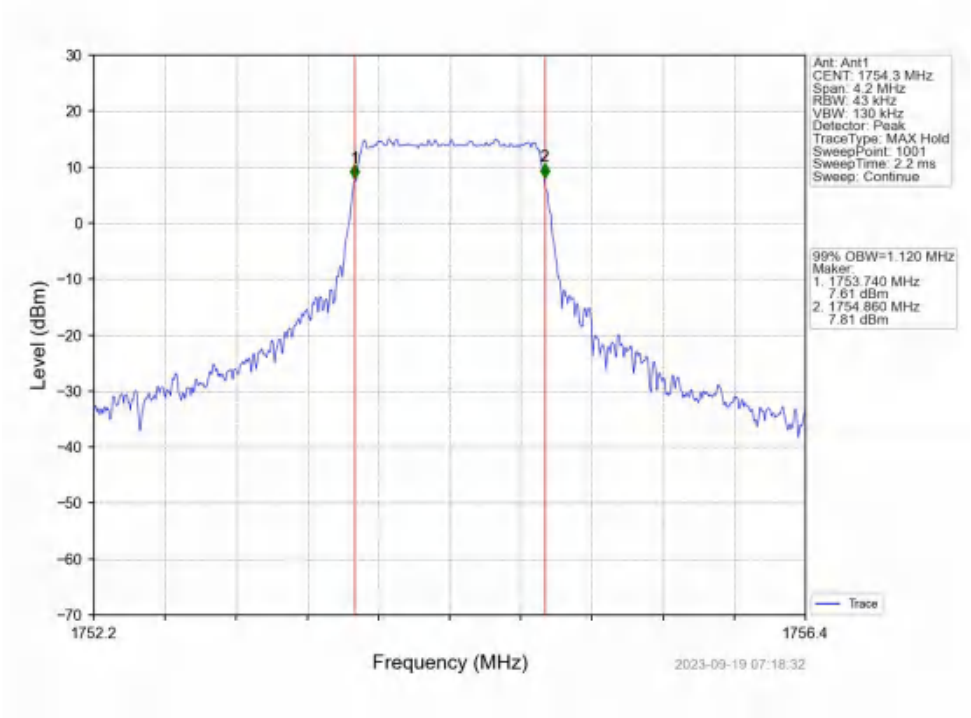
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



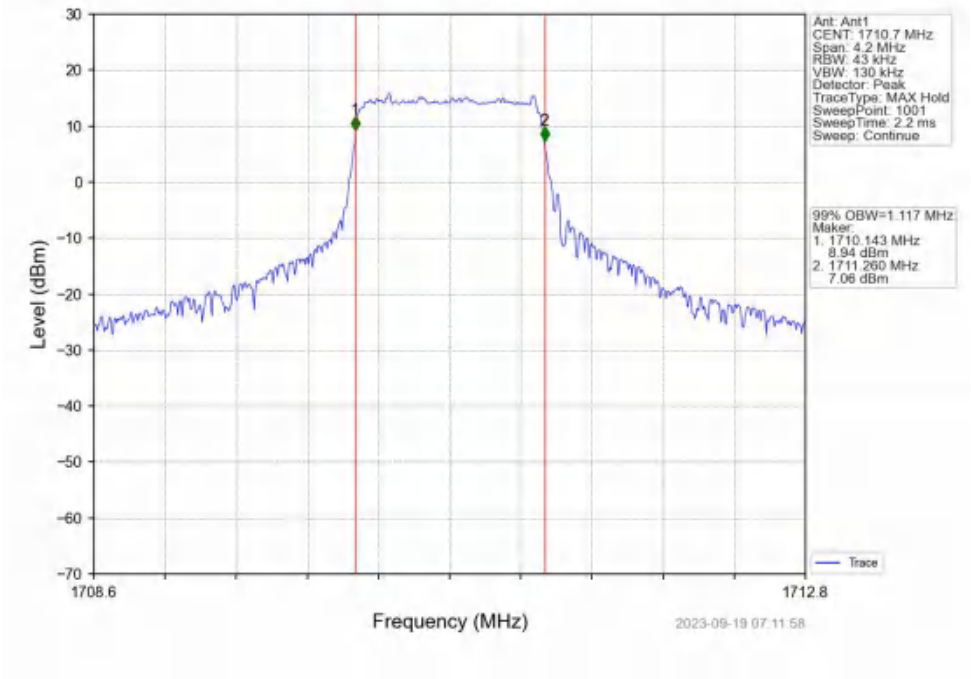
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



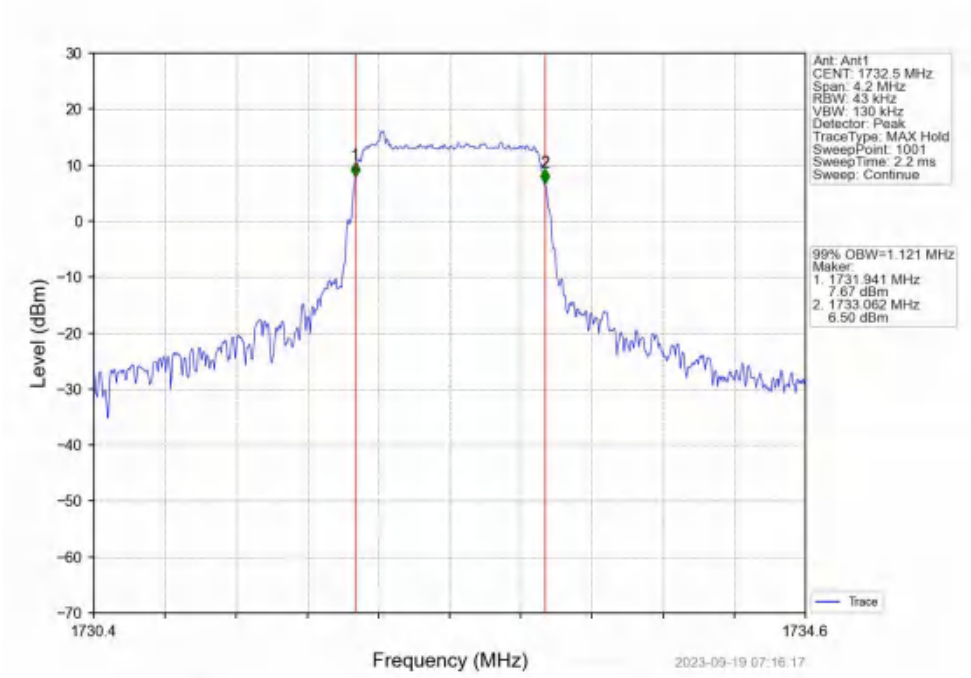
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



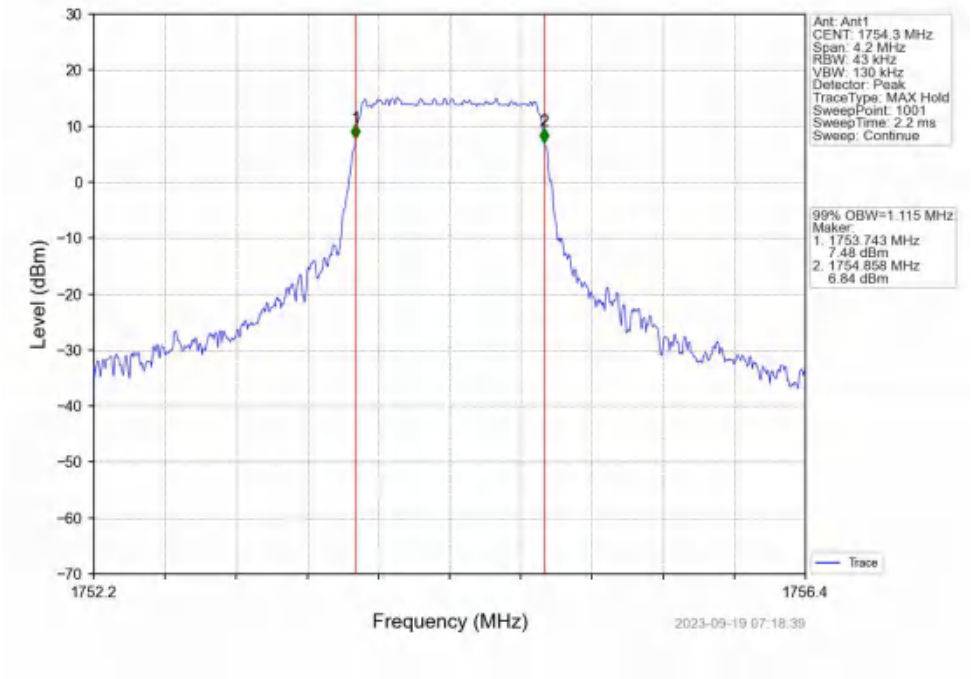
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



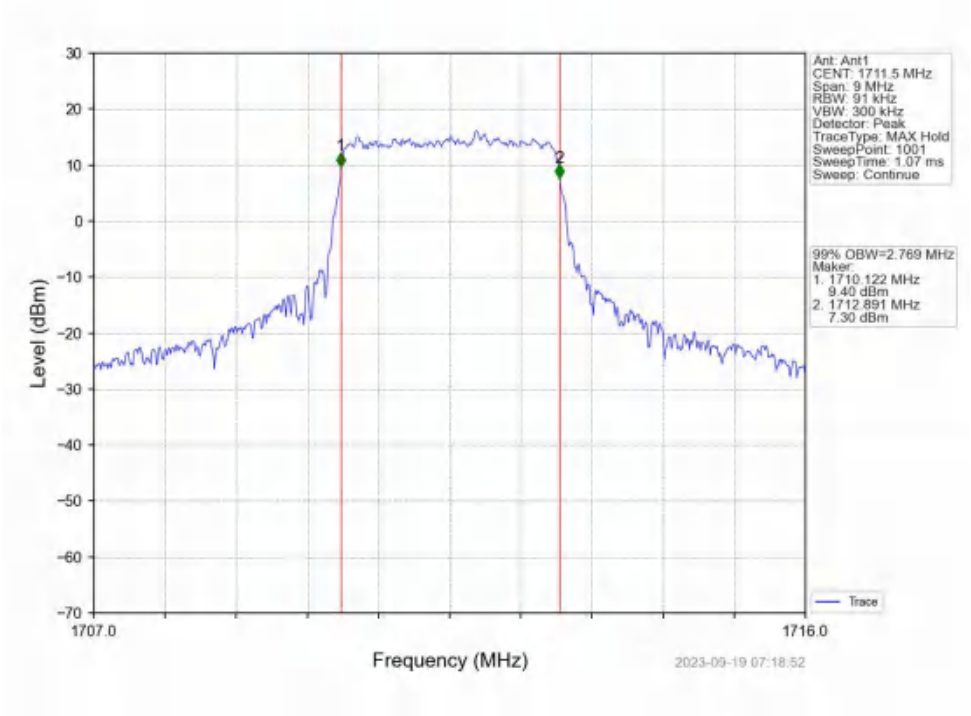
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



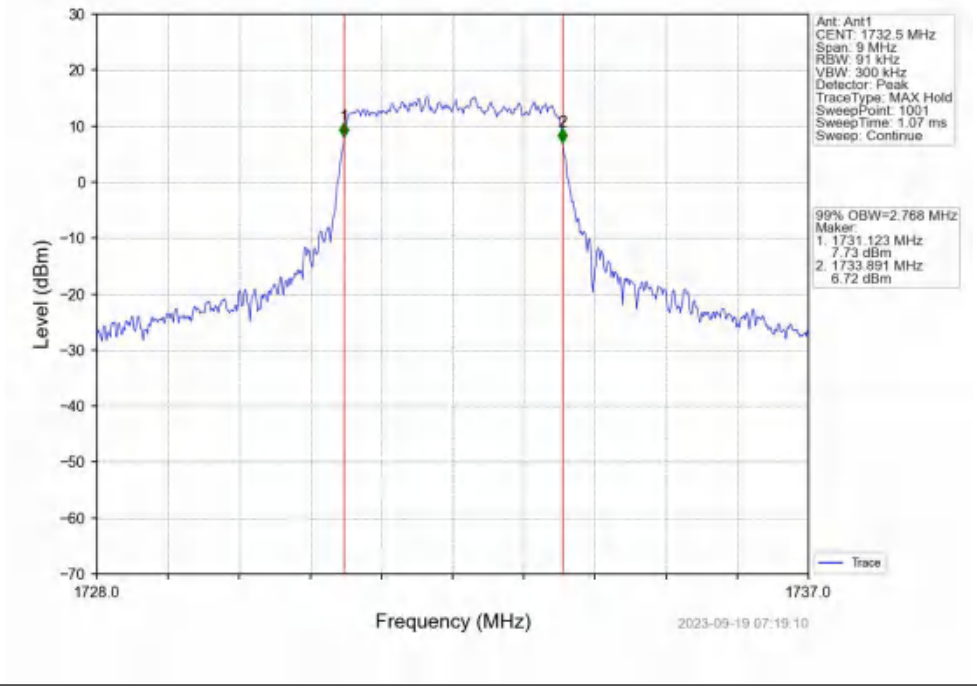
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



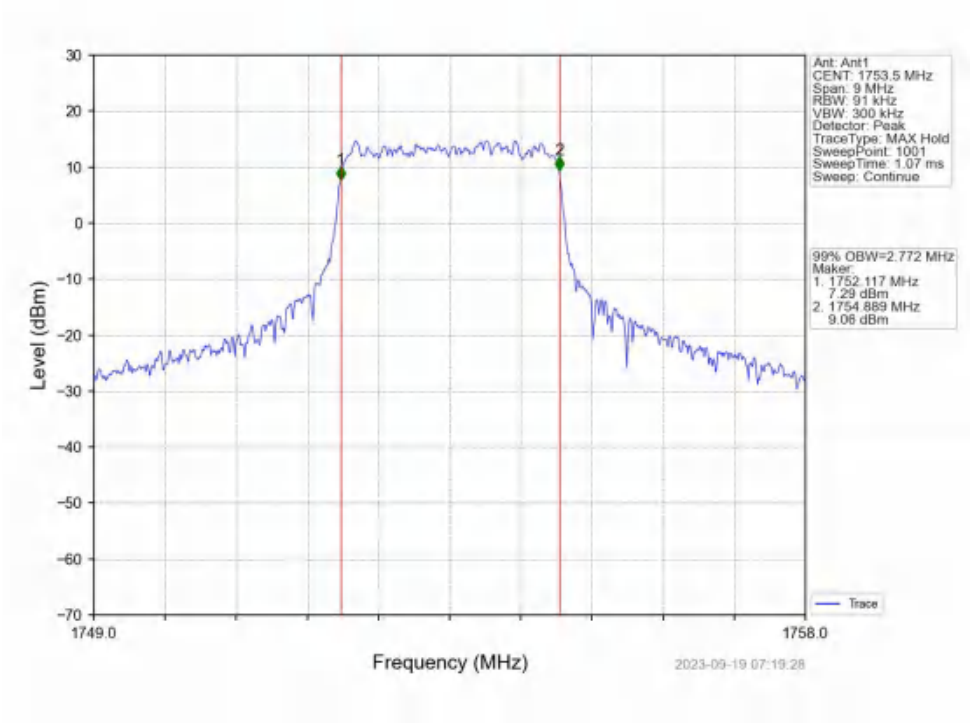
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



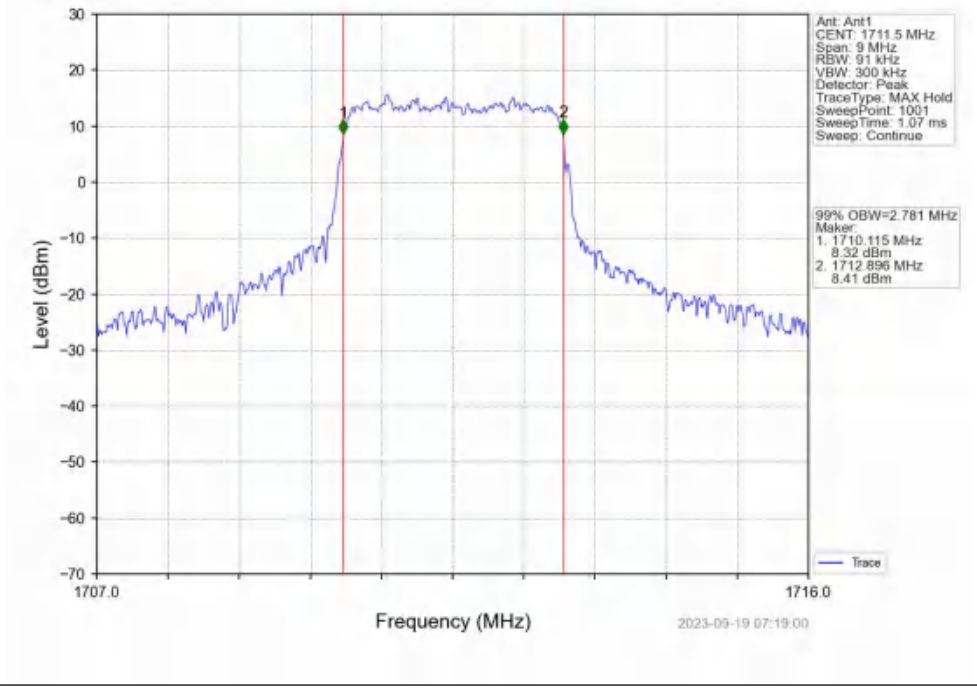
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



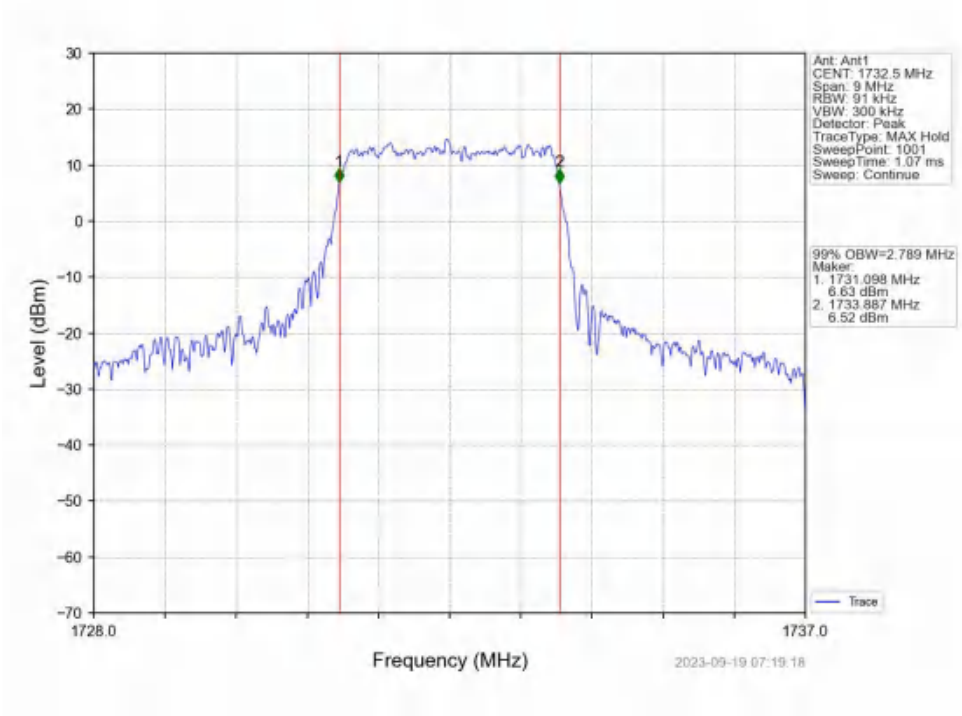
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



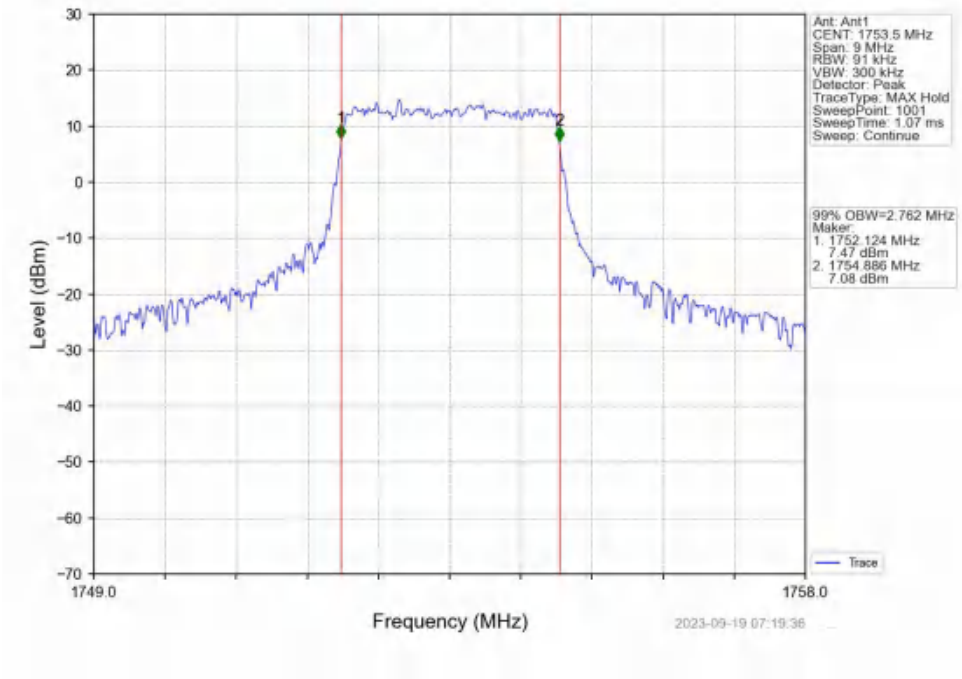
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



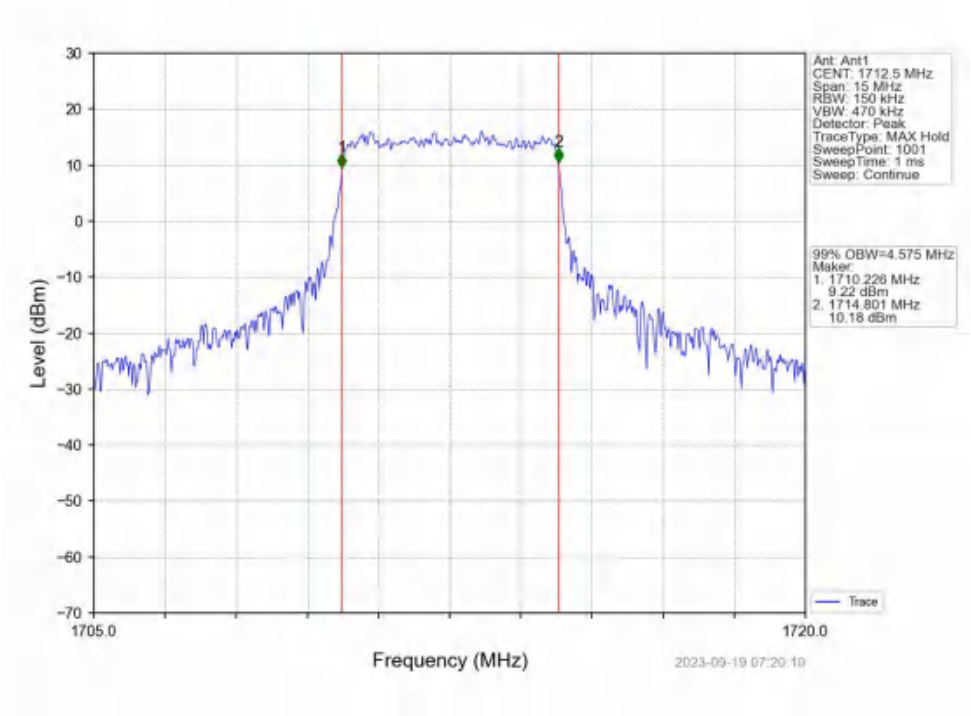
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



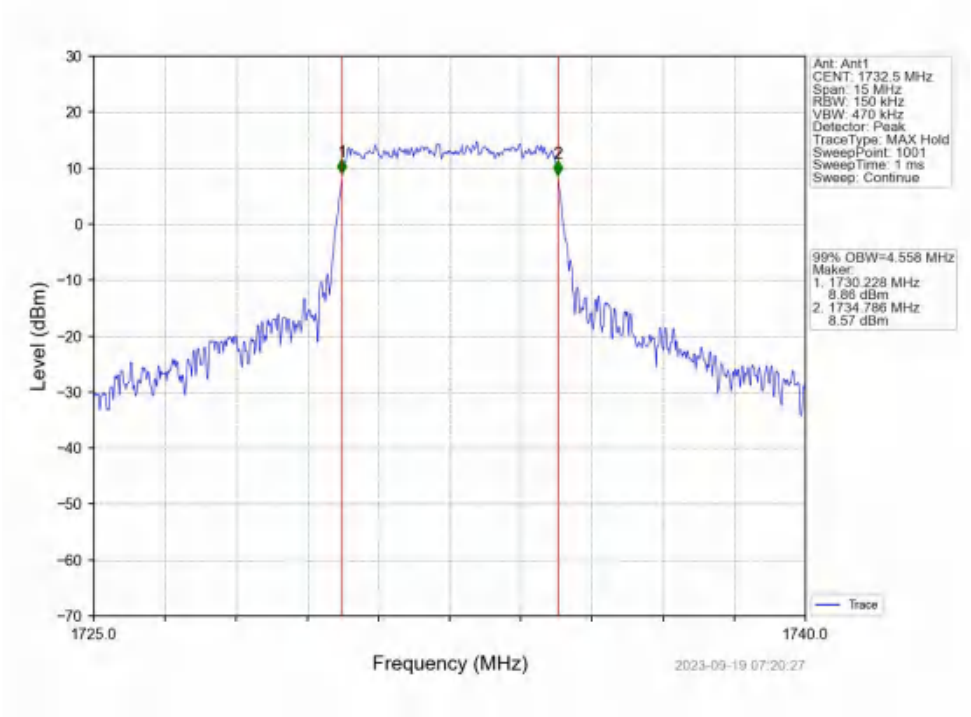
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



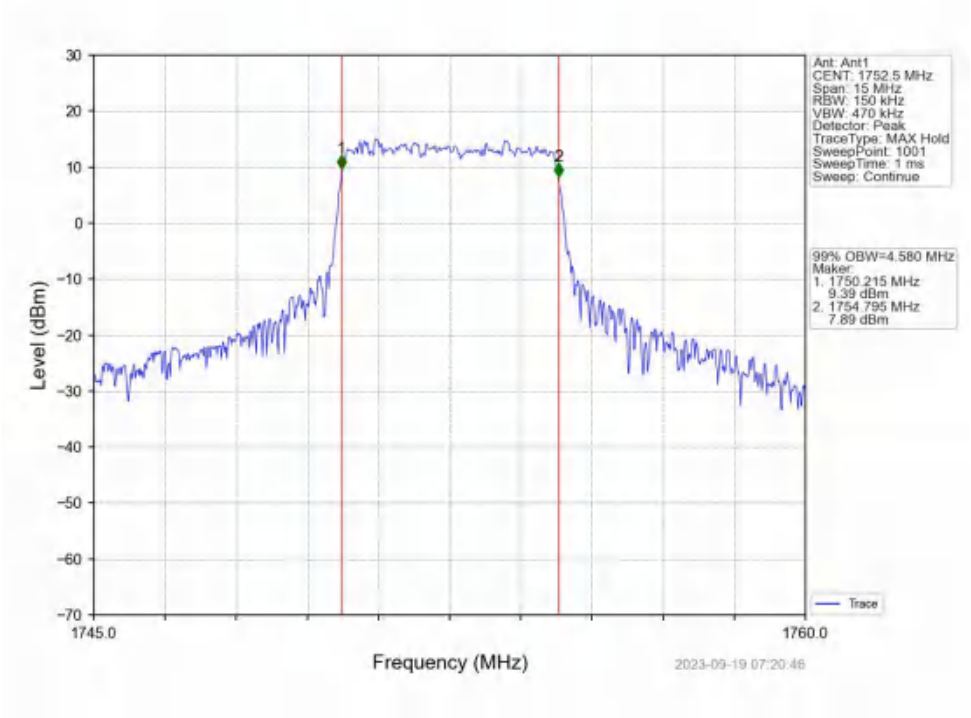
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



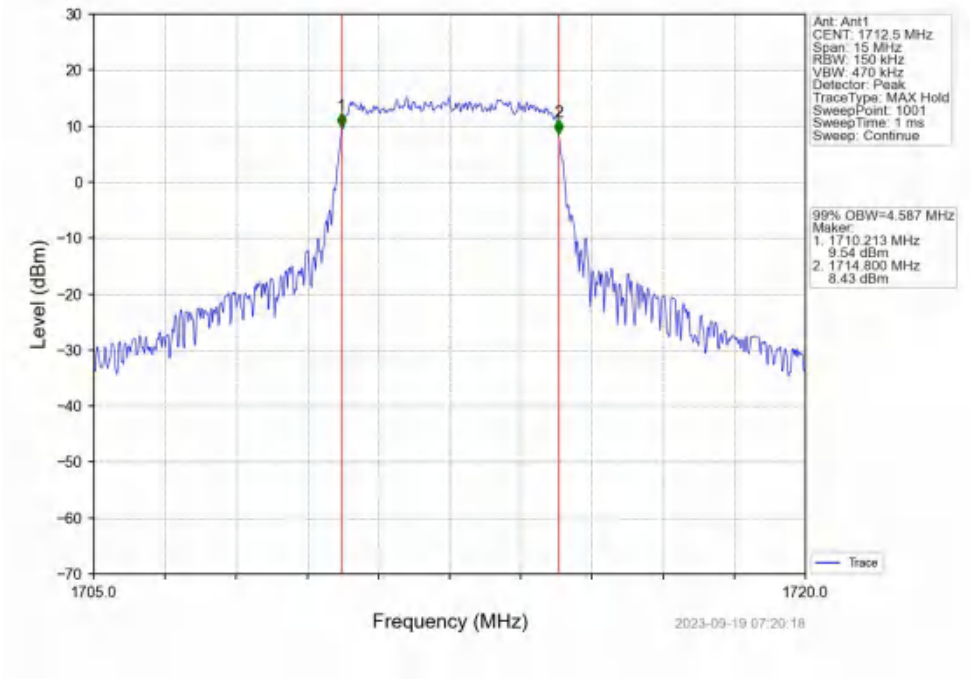
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



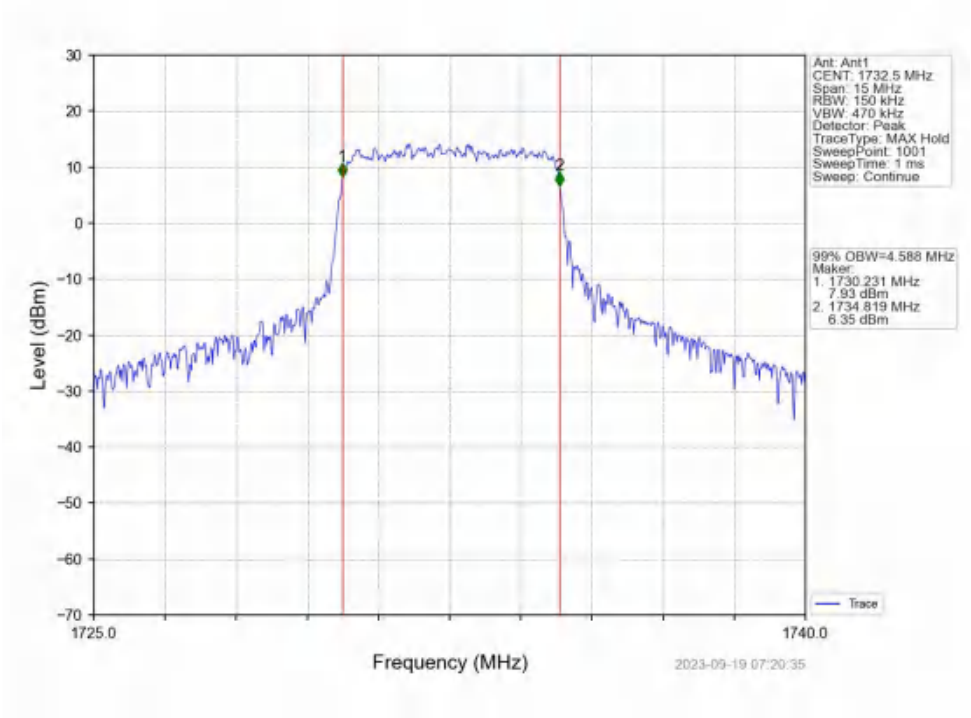
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



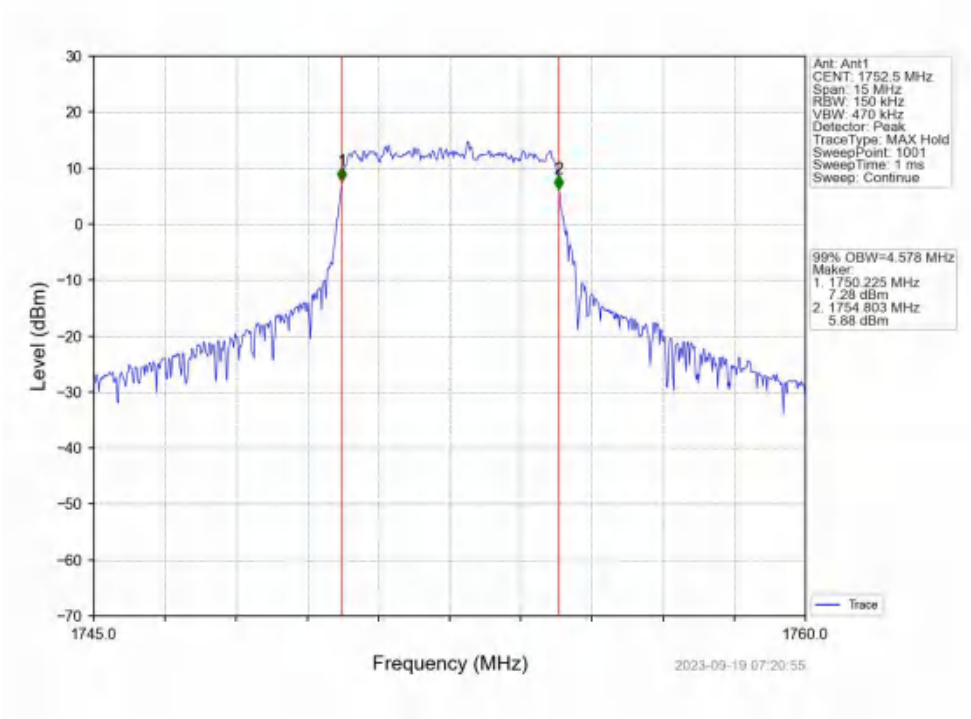
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



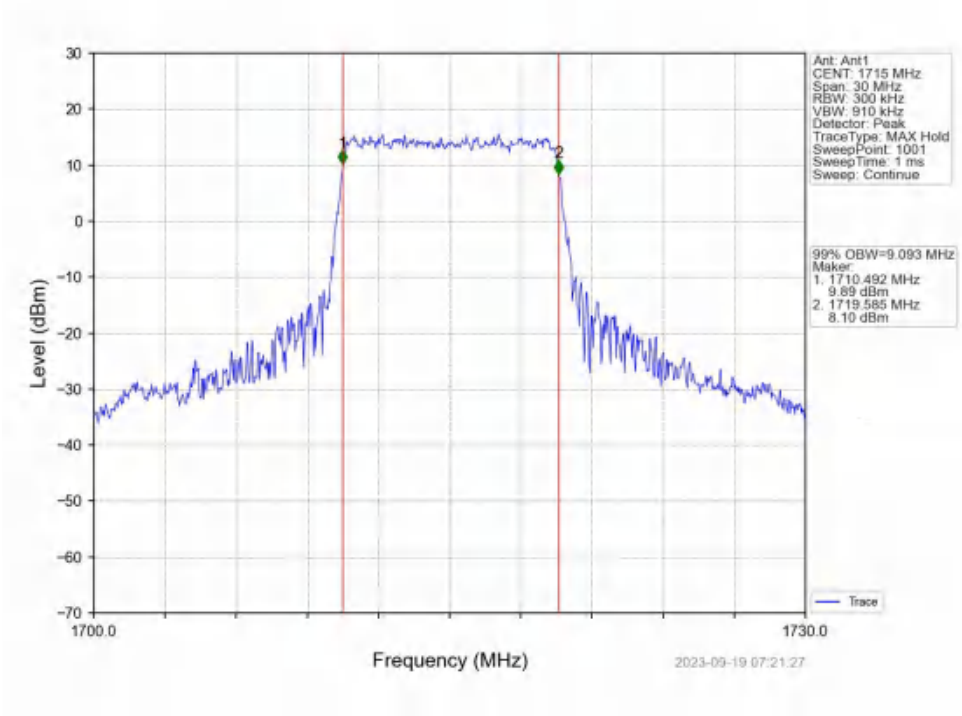
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



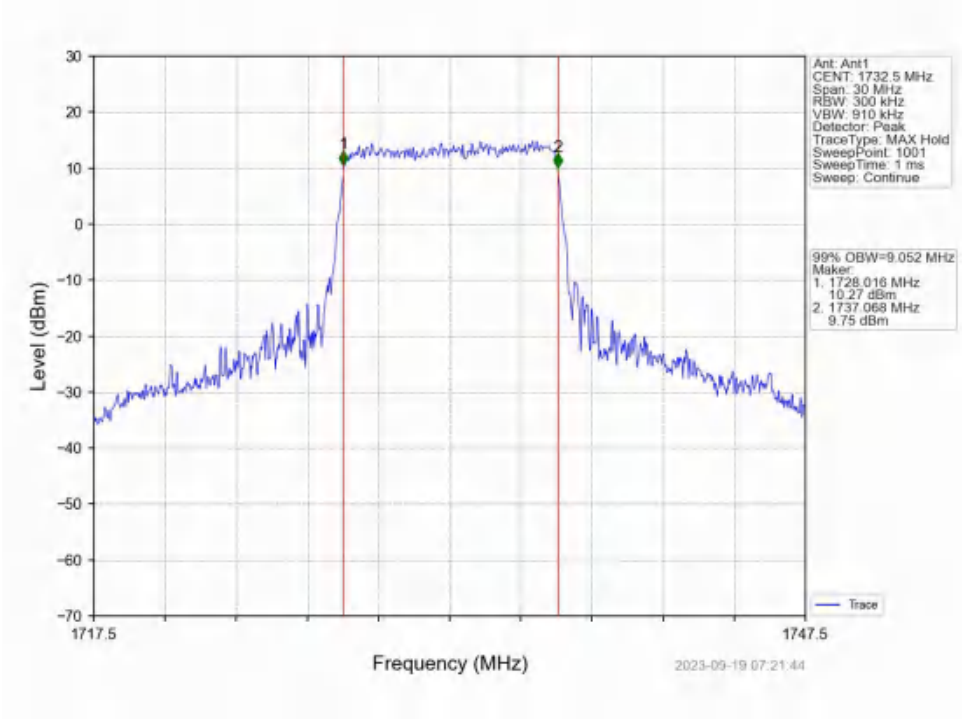
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



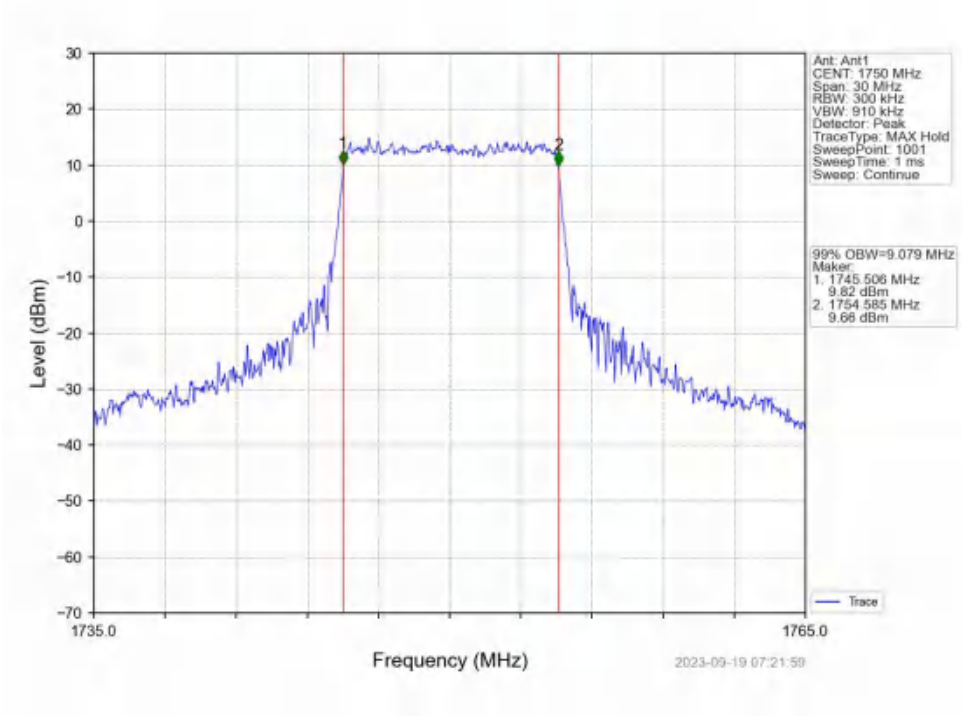
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



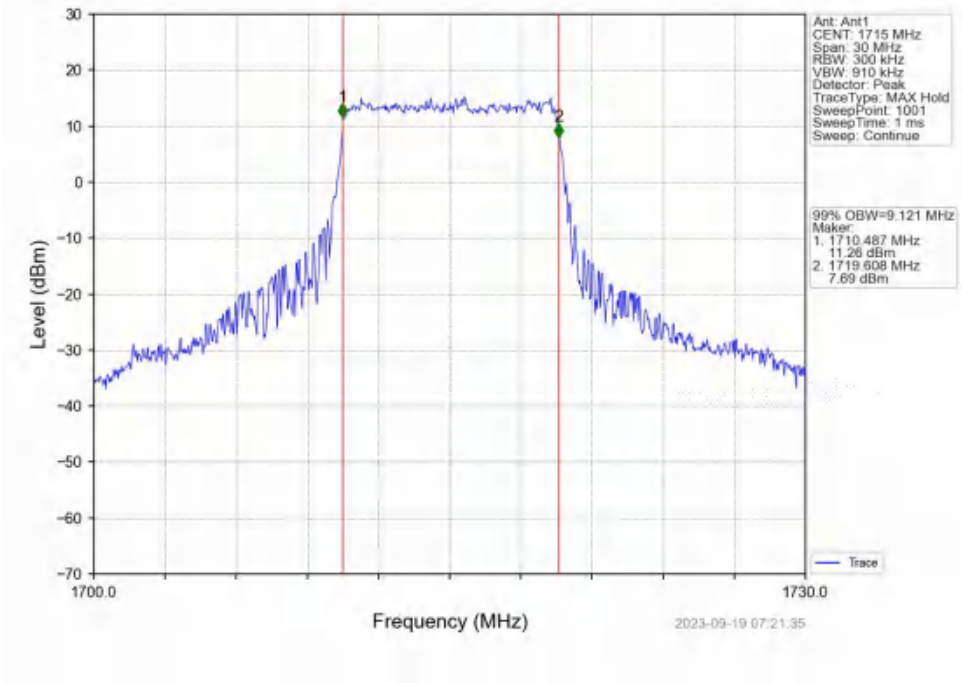
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



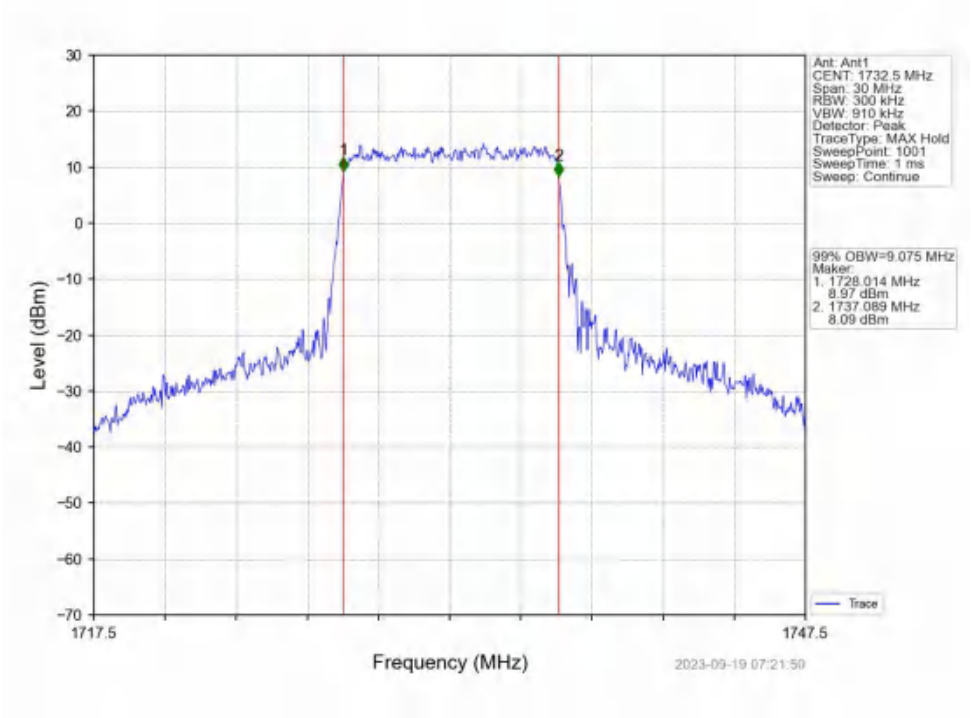
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



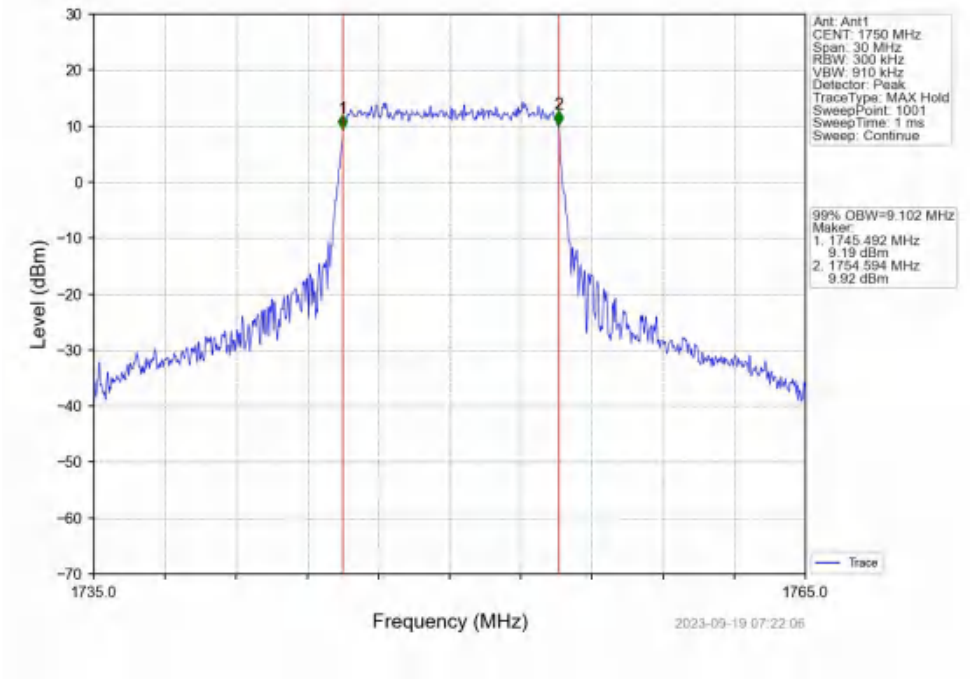
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



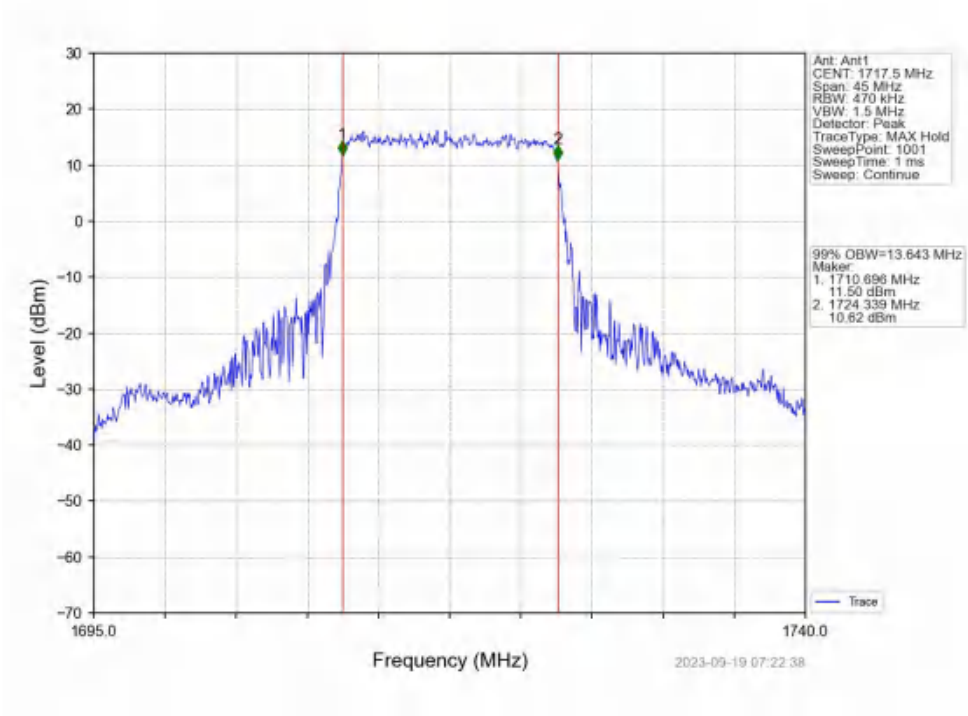
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



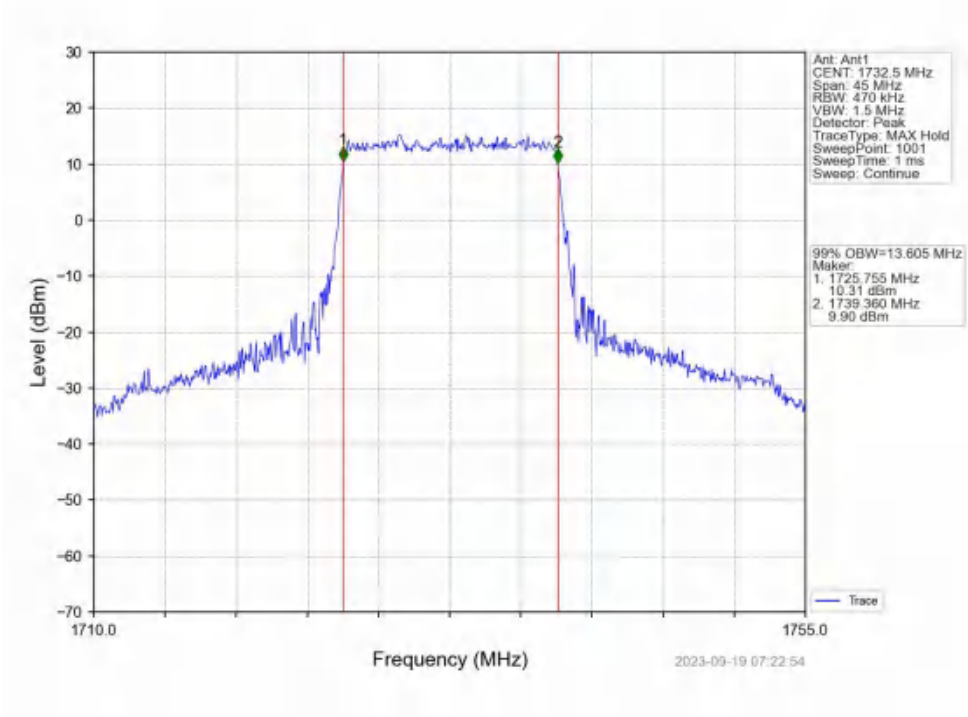
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



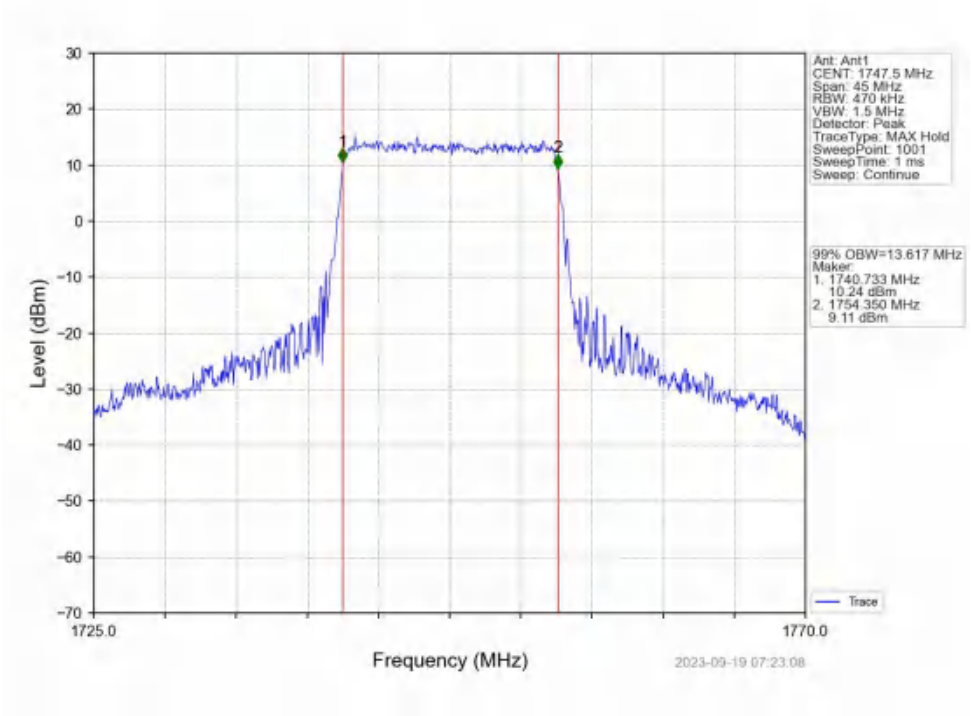
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



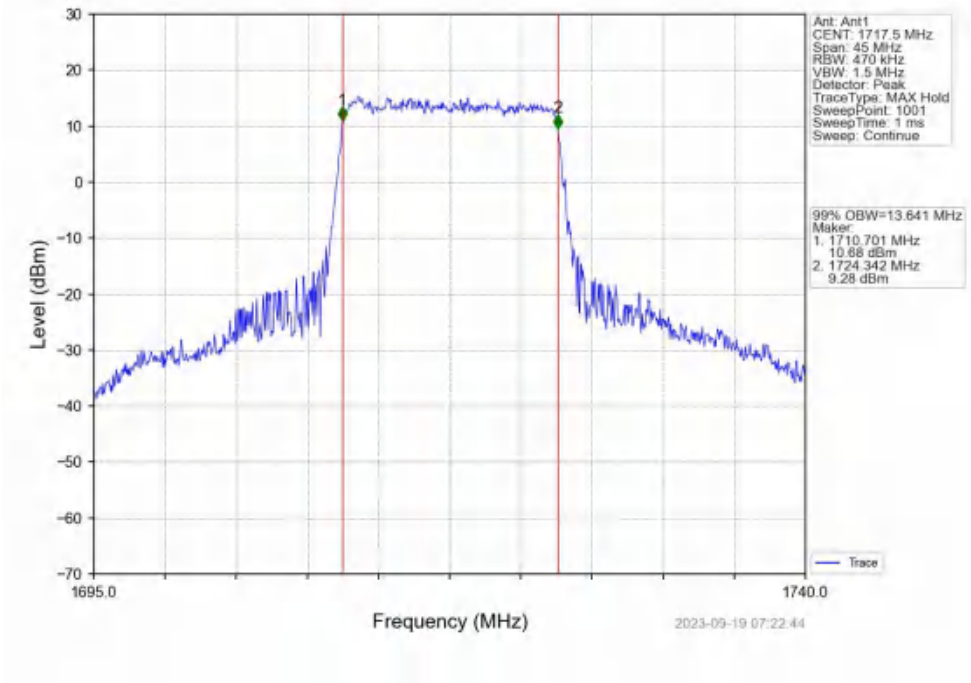
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



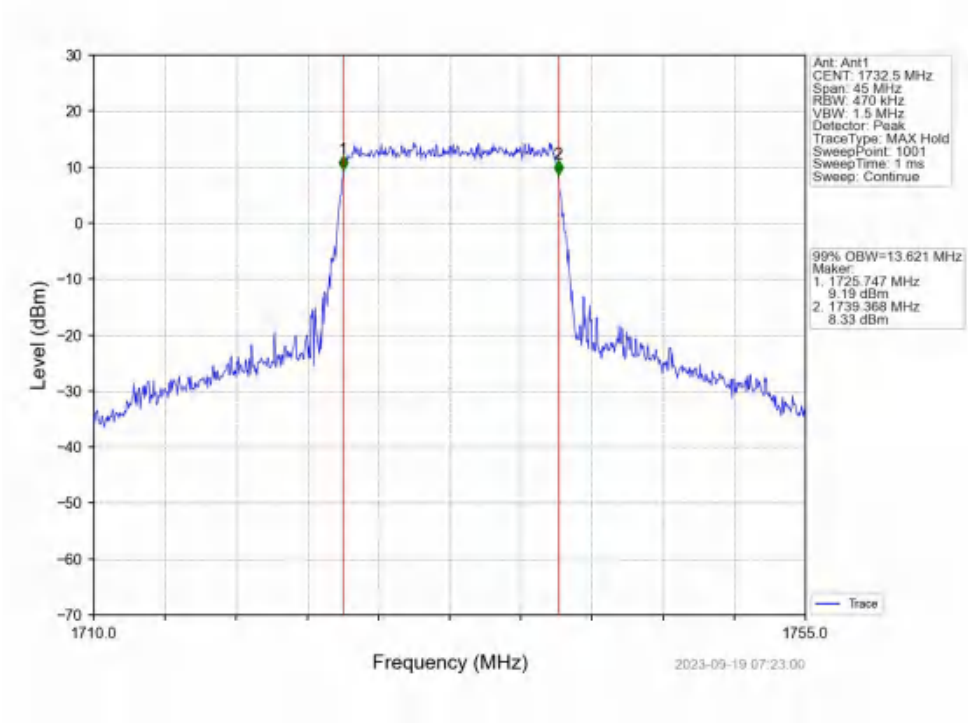
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



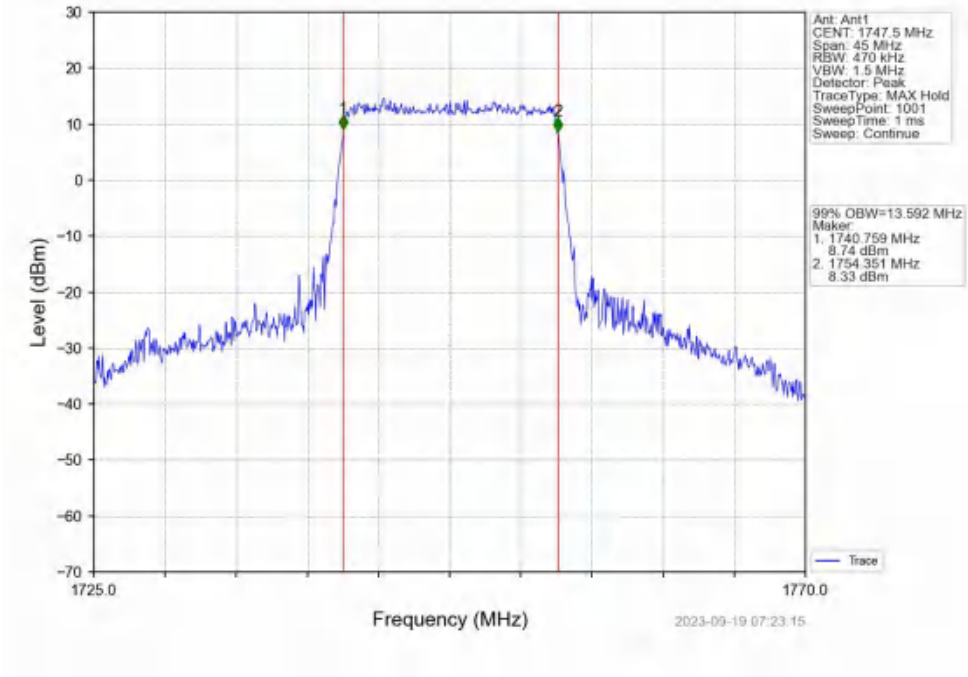
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



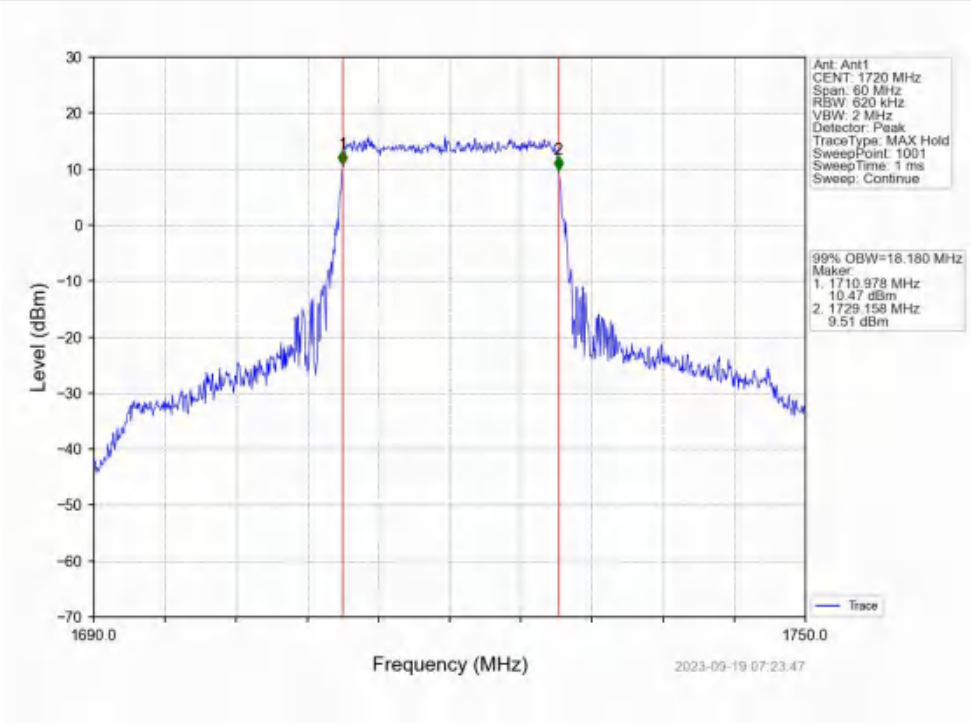
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



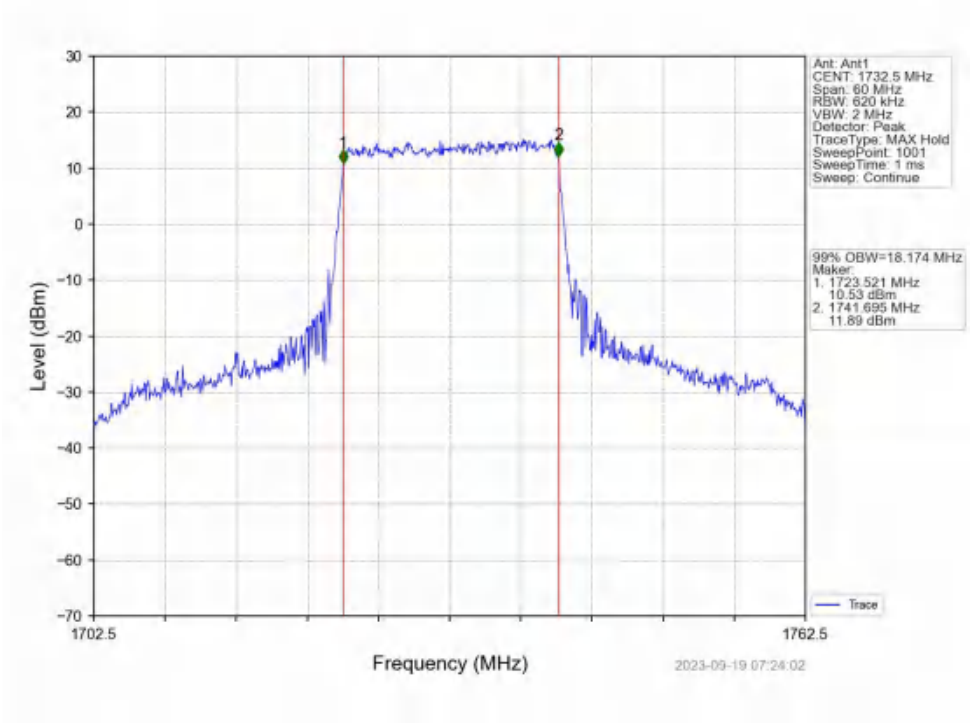
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



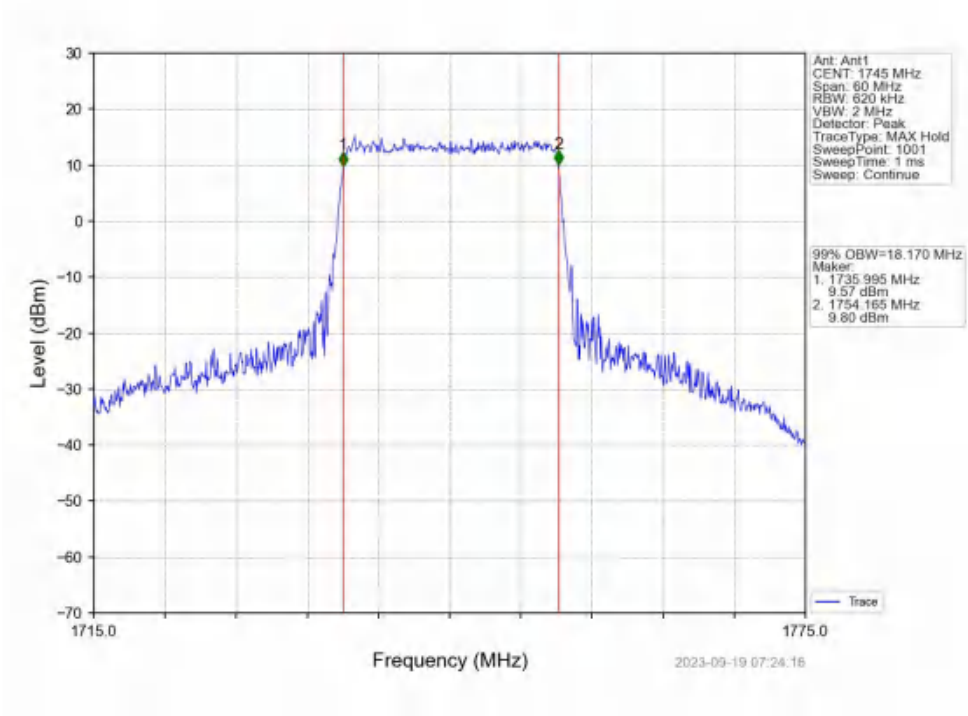
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



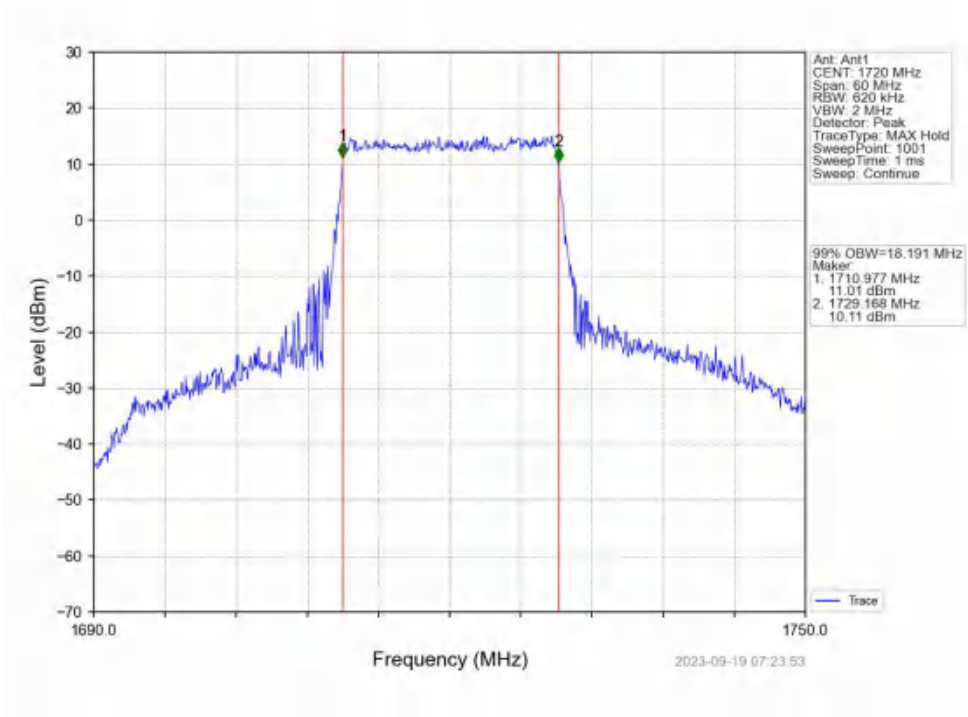
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



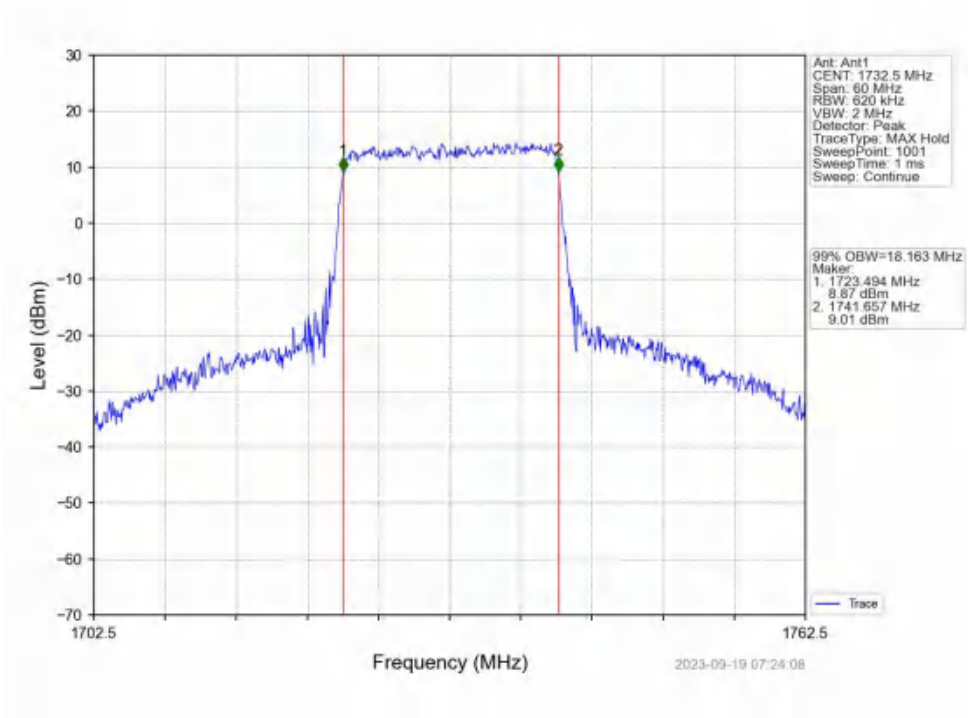
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



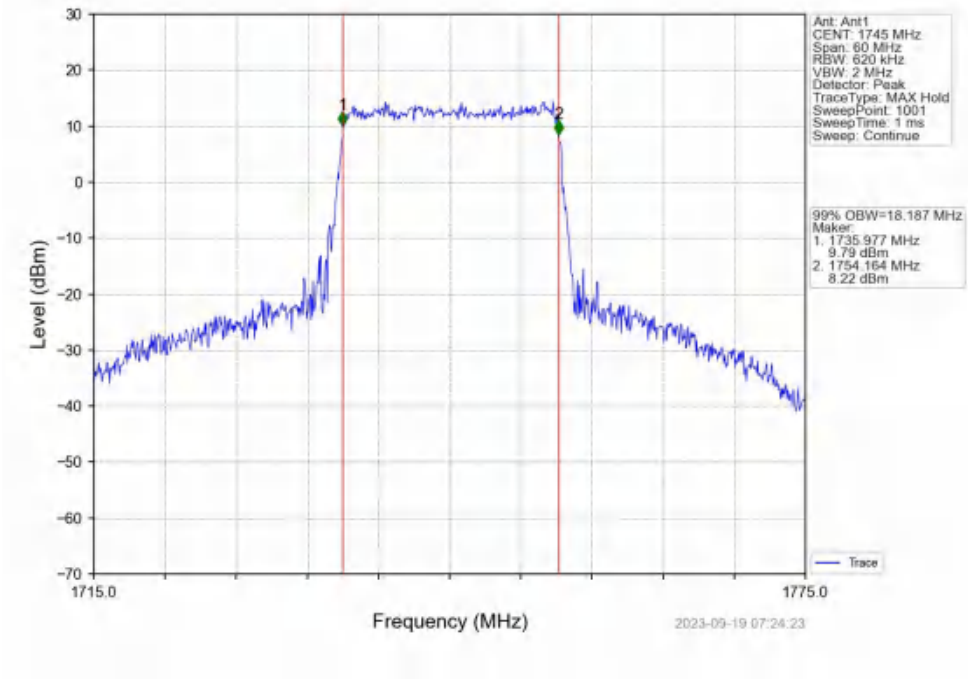
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



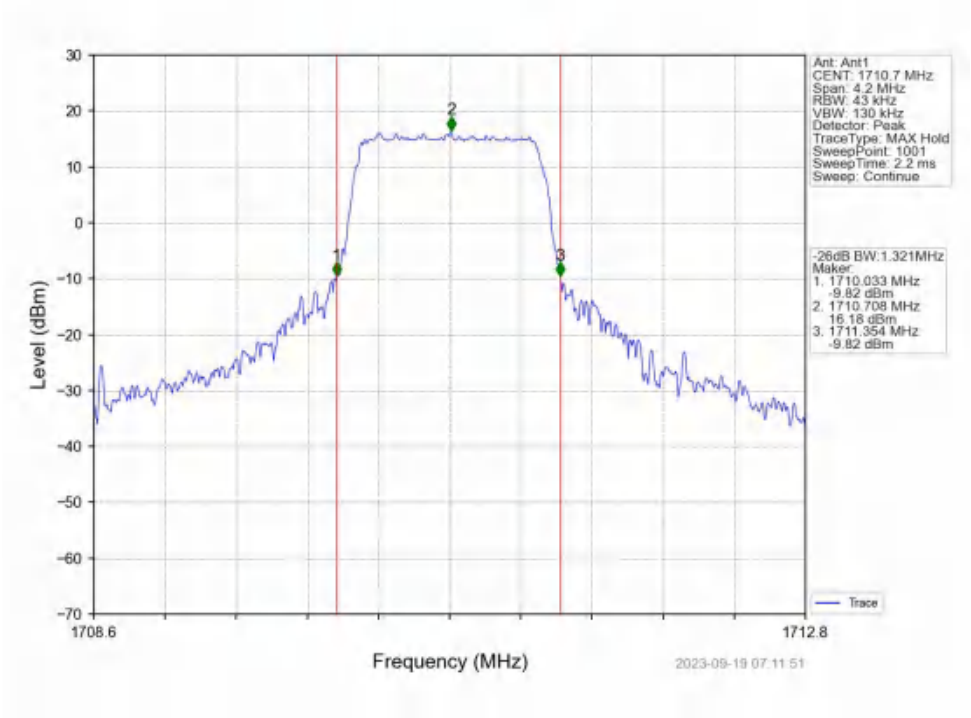
4.2 Band4_XDB

4.2.1 Test Result

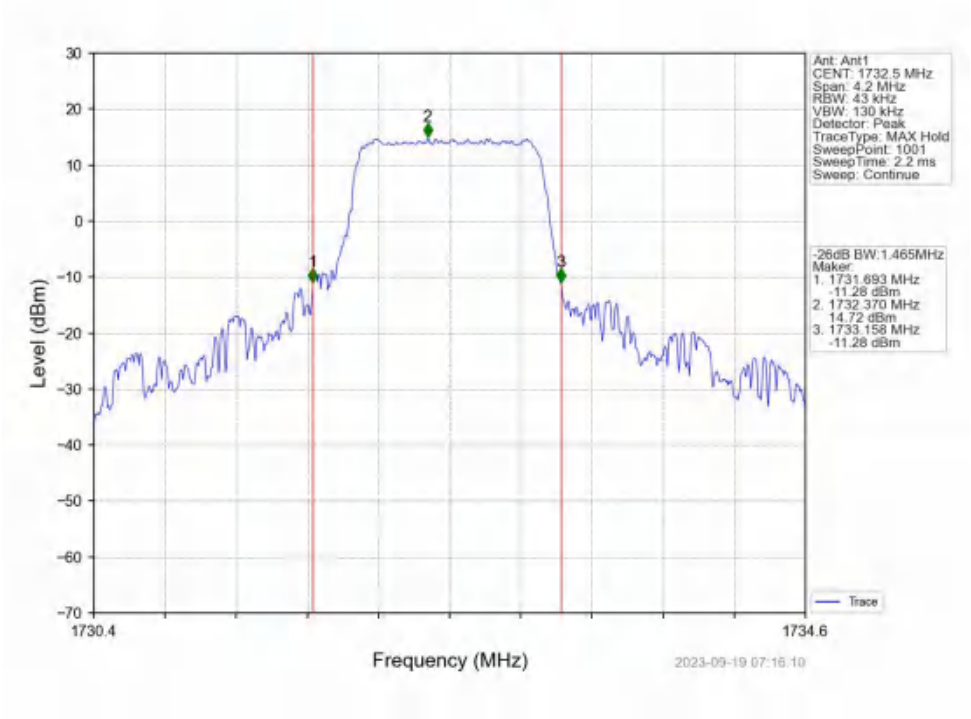
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.321	Pass
		1732.5	6	0	1.465	Pass
		1754.3	6	0	1.323	Pass
	16QAM	1710.7	6	0	1.507	Pass
		1732.5	6	0	1.268	Pass
		1754.3	6	0	1.315	Pass
3	QPSK	1711.5	15	0	3.365	Pass
		1732.5	15	0	3.434	Pass
		1753.5	15	0	3.387	Pass
	16QAM	1711.5	15	0	3.270	Pass
		1732.5	15	0	3.412	Pass
		1753.5	15	0	3.477	Pass
5	QPSK	1712.5	25	0	5.812	Pass
		1732.5	25	0	5.331	Pass
		1752.5	25	0	5.513	Pass
	16QAM	1712.5	25	0	5.679	Pass
		1732.5	25	0	5.789	Pass
		1752.5	25	0	5.549	Pass
10	QPSK	1715	50	0	10.334	Pass
		1732.5	50	0	10.531	Pass
		1750	50	0	10.163	Pass
	16QAM	1715	50	0	10.831	Pass
		1732.5	50	0	10.346	Pass
		1750	50	0	10.312	Pass
15	QPSK	1717.5	75	0	16.140	Pass
		1732.5	75	0	15.607	Pass
		1747.5	75	0	15.488	Pass
	16QAM	1717.5	75	0	15.257	Pass
		1732.5	75	0	15.318	Pass
		1747.5	75	0	15.243	Pass
20	QPSK	1720	100	0	20.636	Pass
		1732.5	100	0	20.928	Pass
		1745	100	0	20.521	Pass
	16QAM	1720	100	0	21.551	Pass
		1732.5	100	0	20.562	Pass
		1745	100	0	20.388	Pass

4.2.2 Test Graph

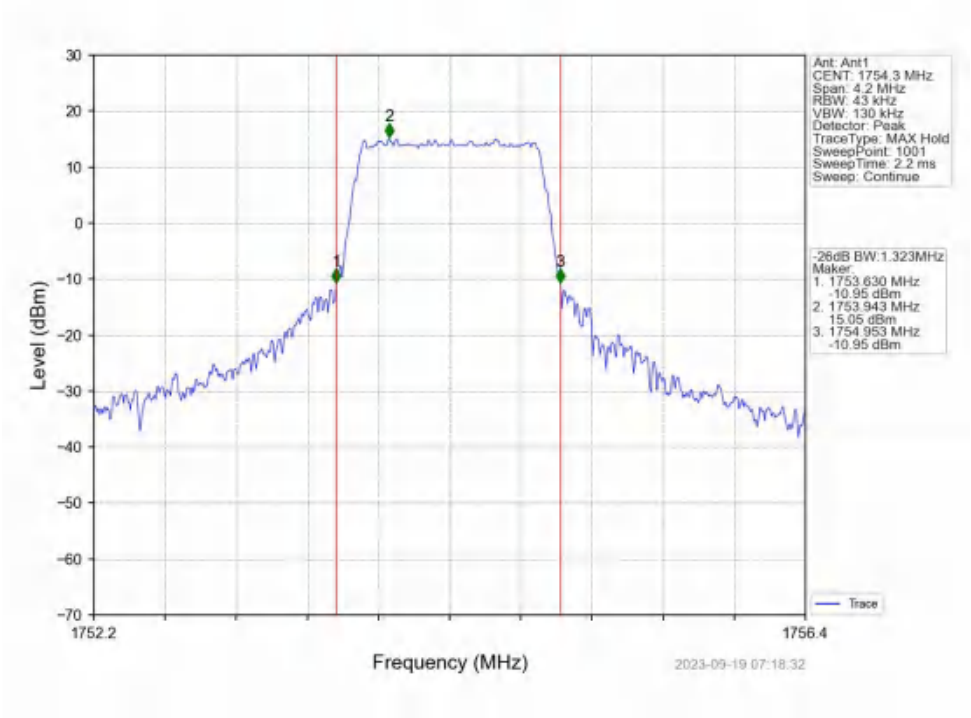
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



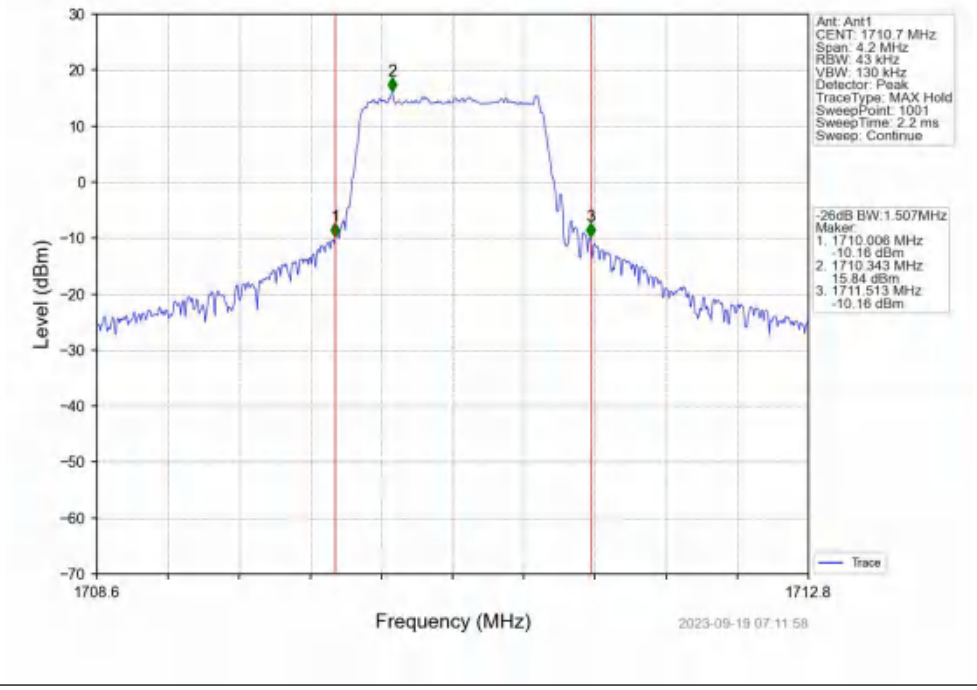
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



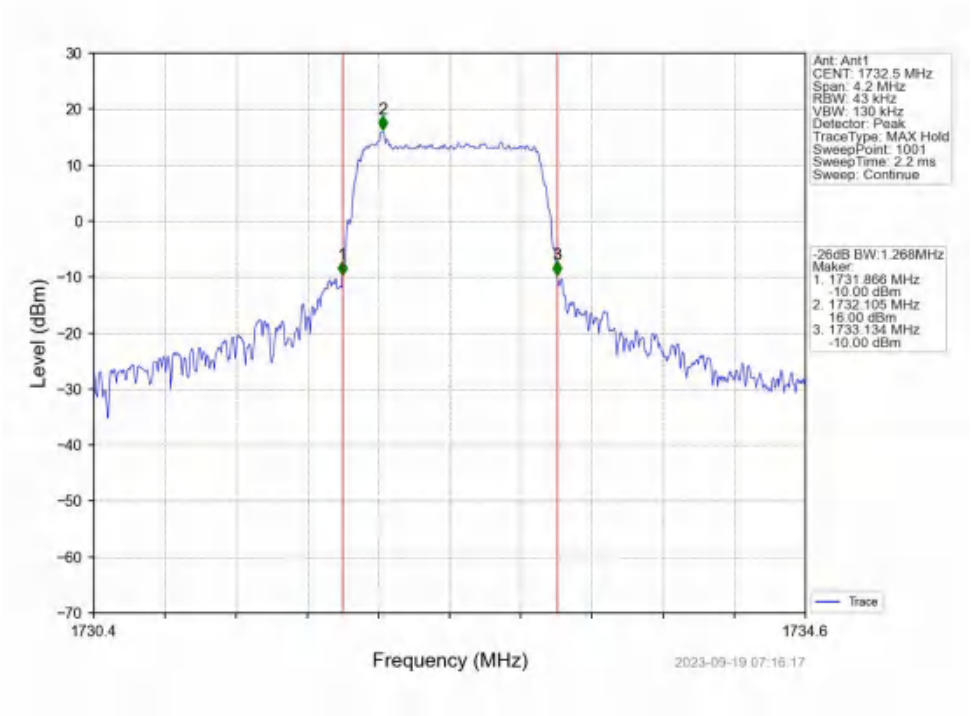
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



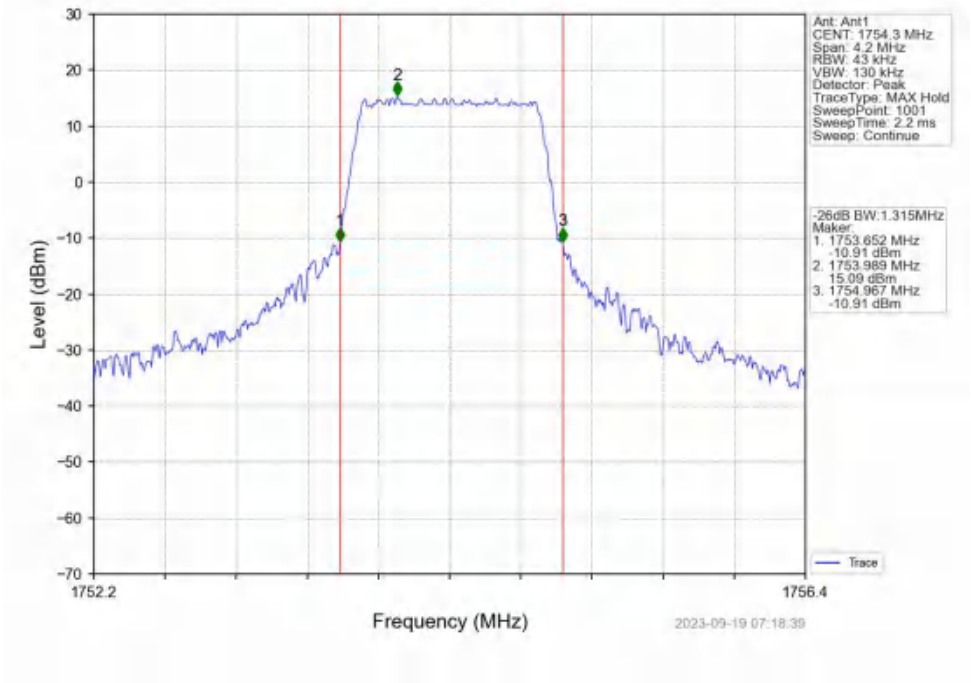
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



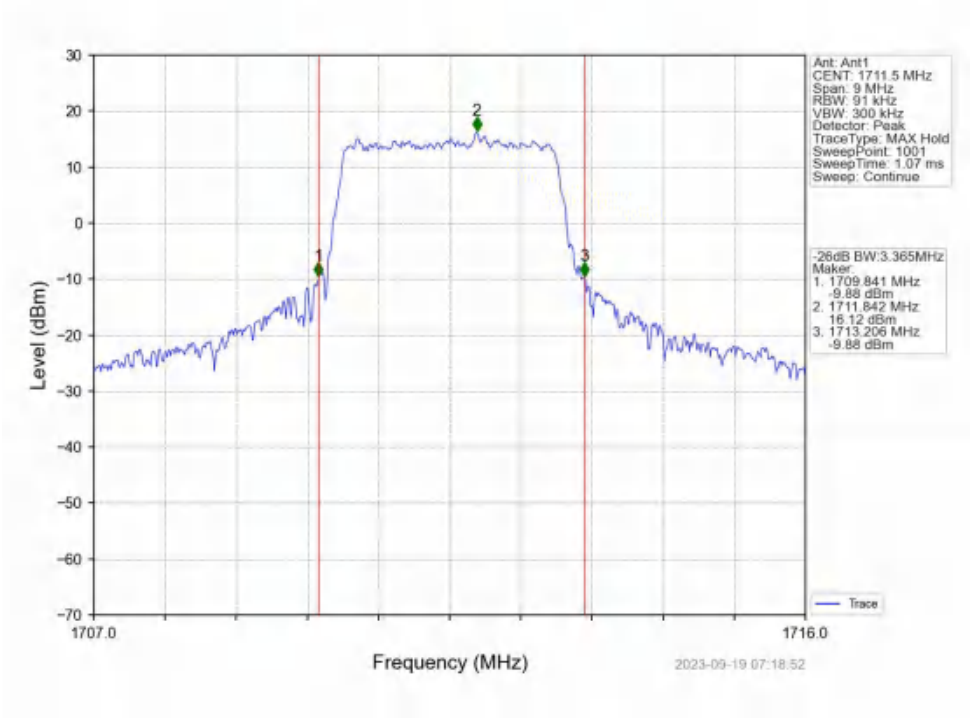
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



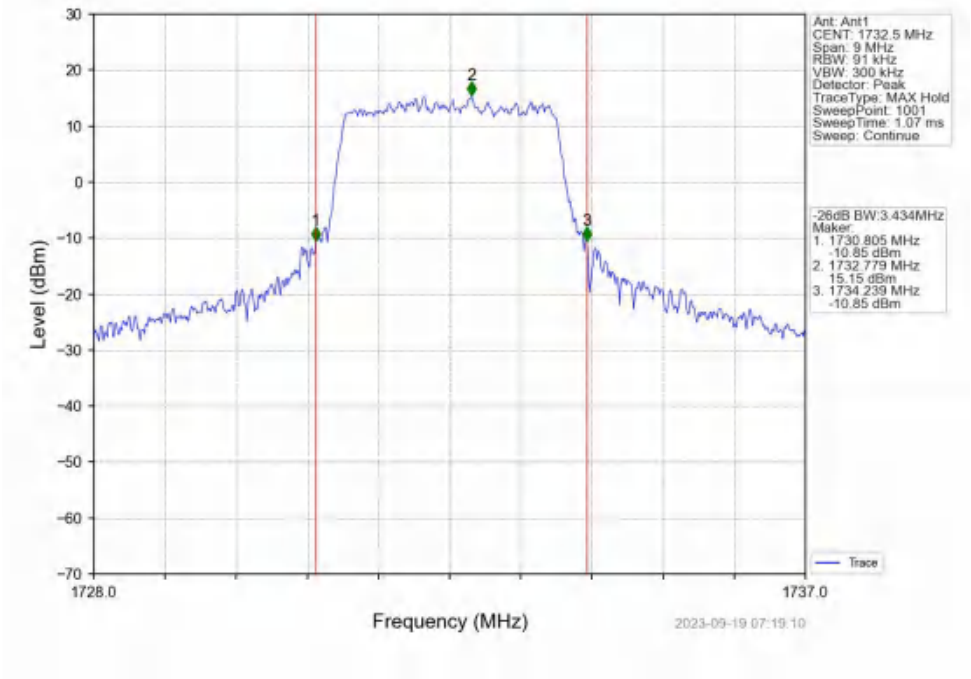
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



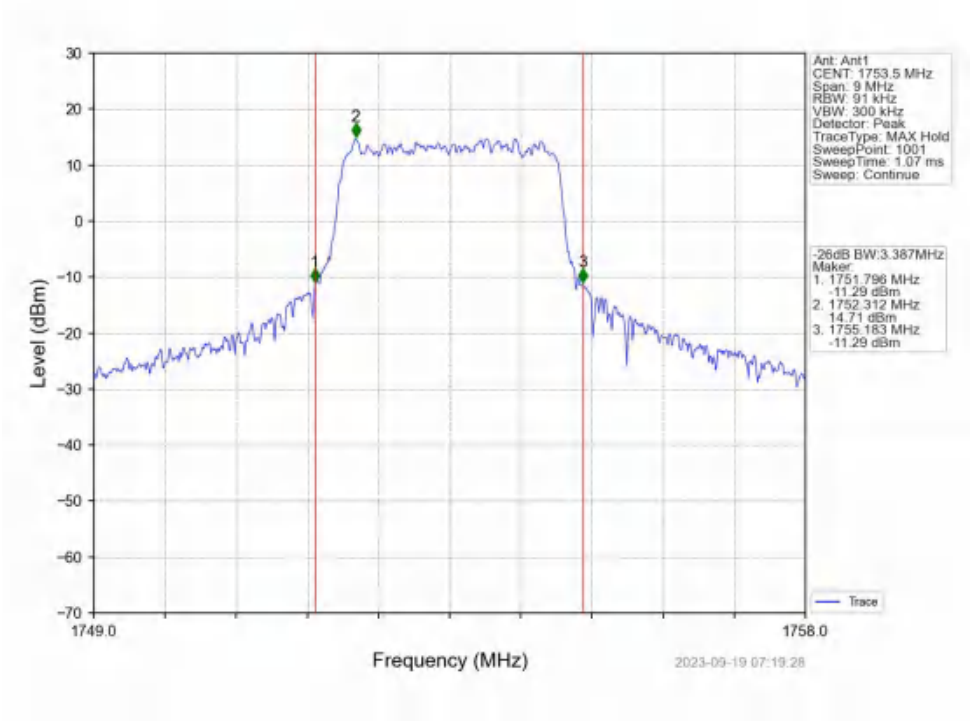
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



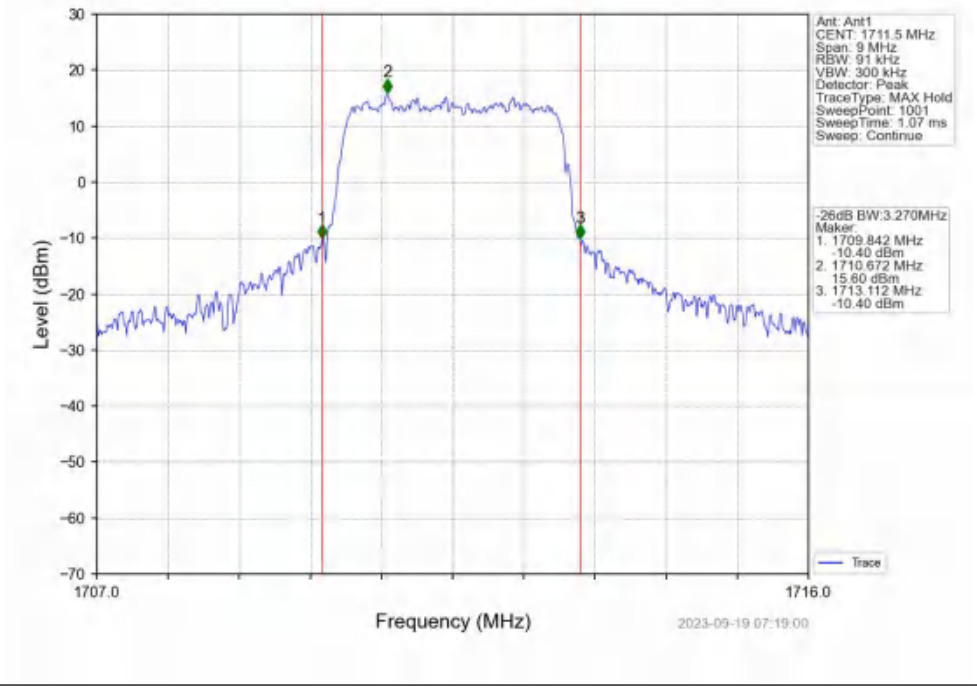
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



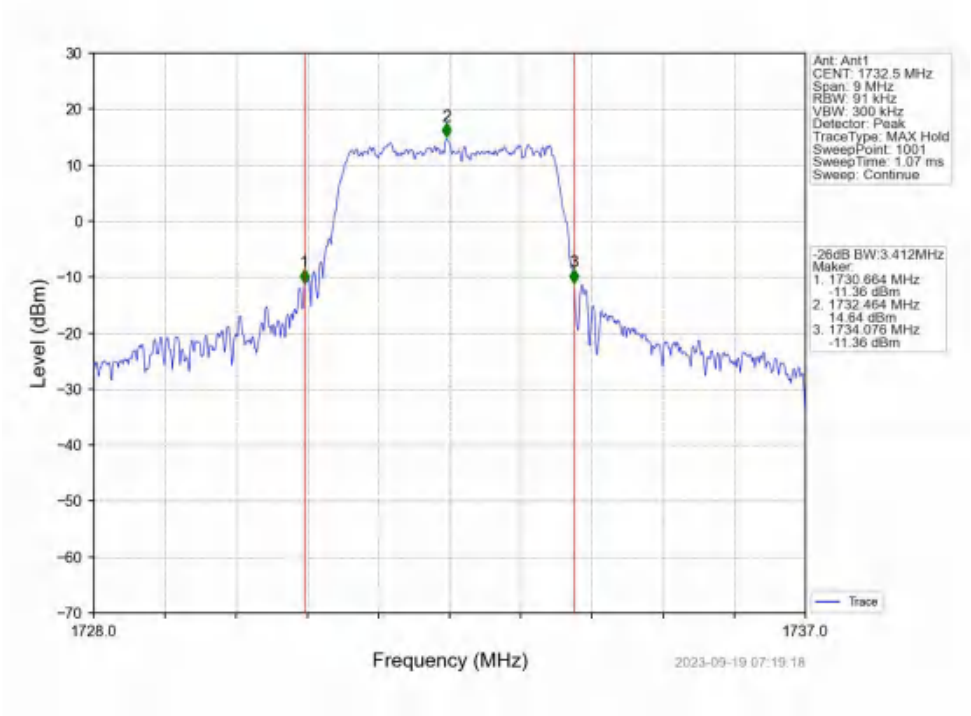
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



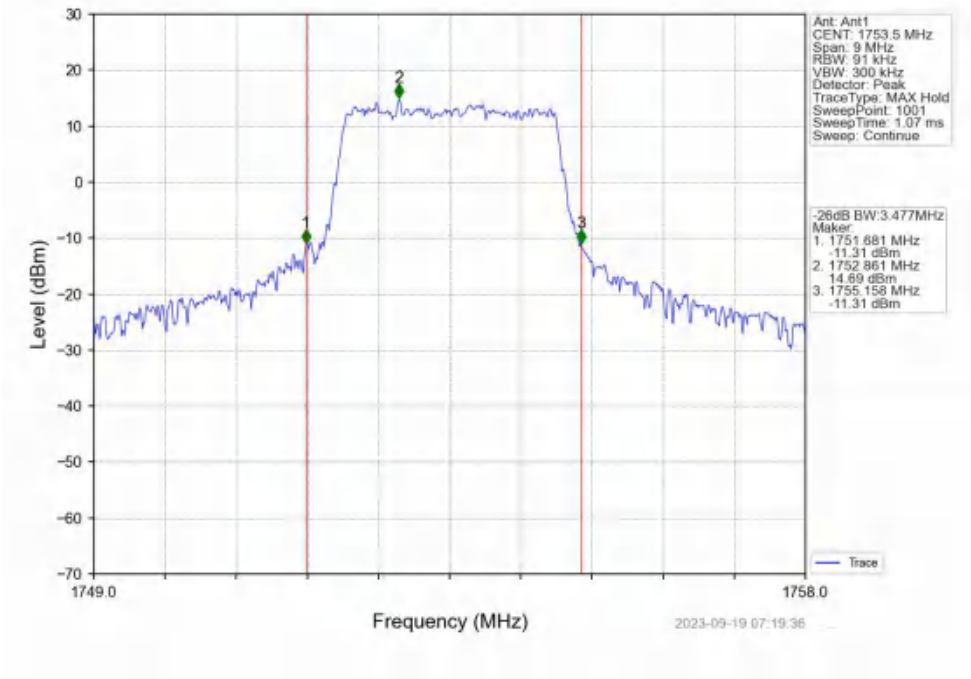
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



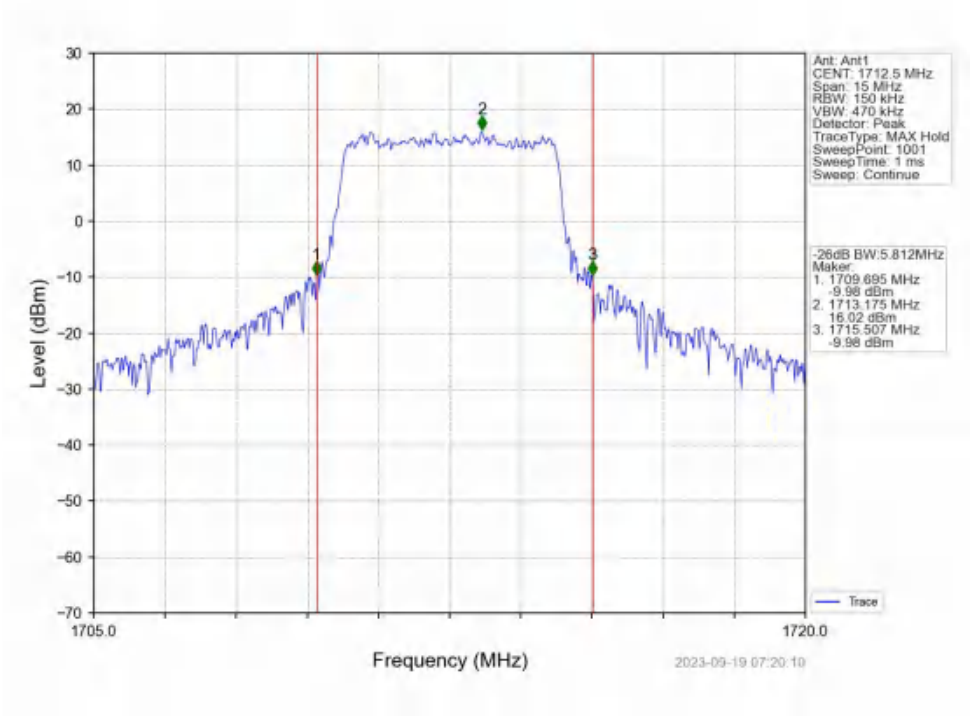
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



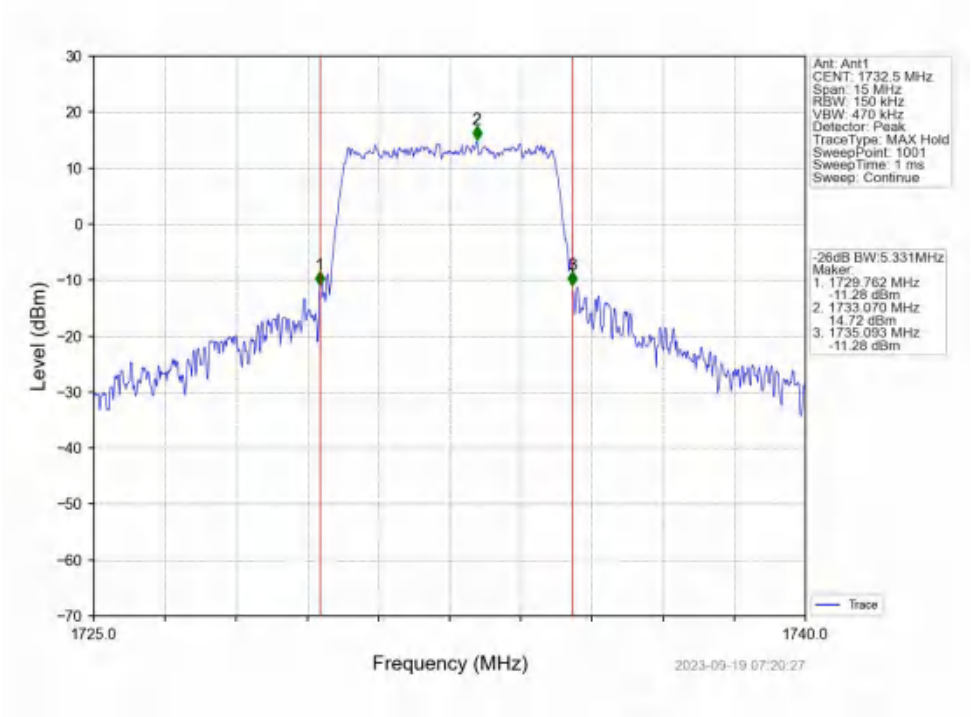
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



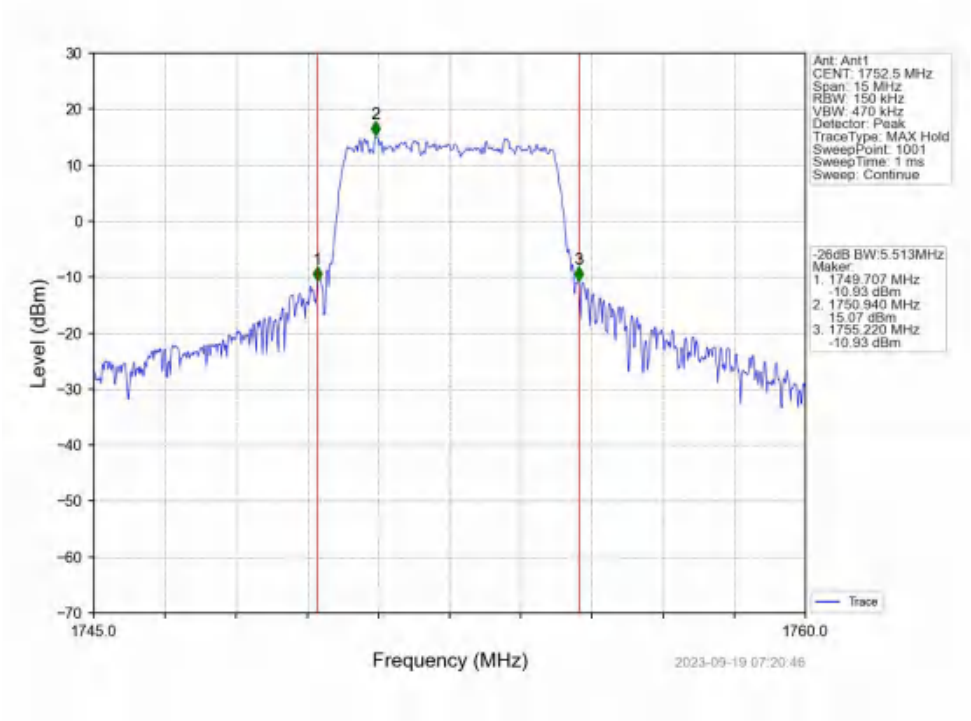
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



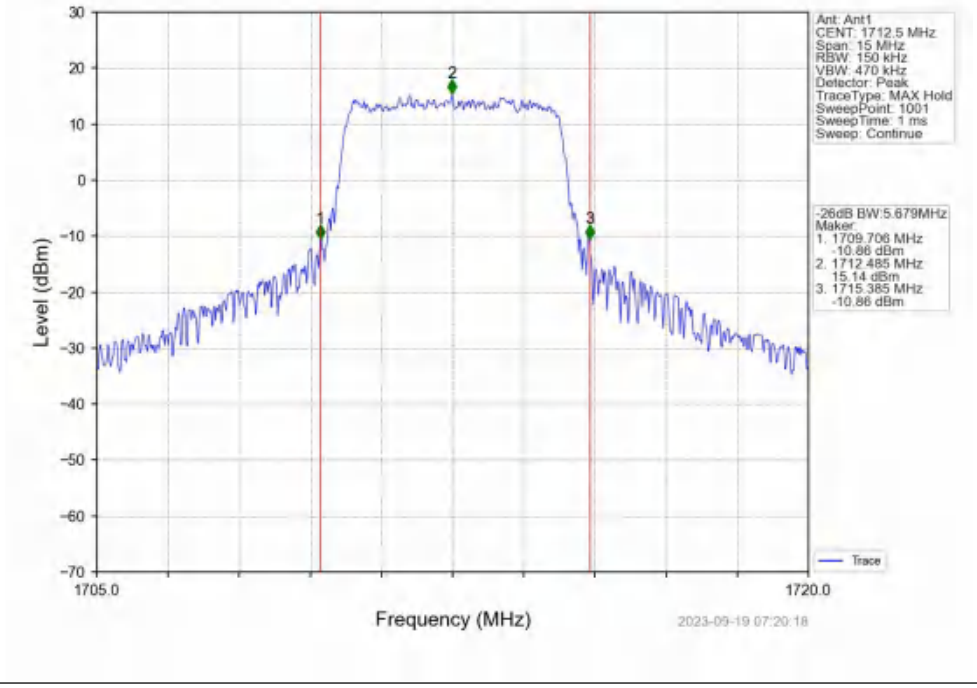
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



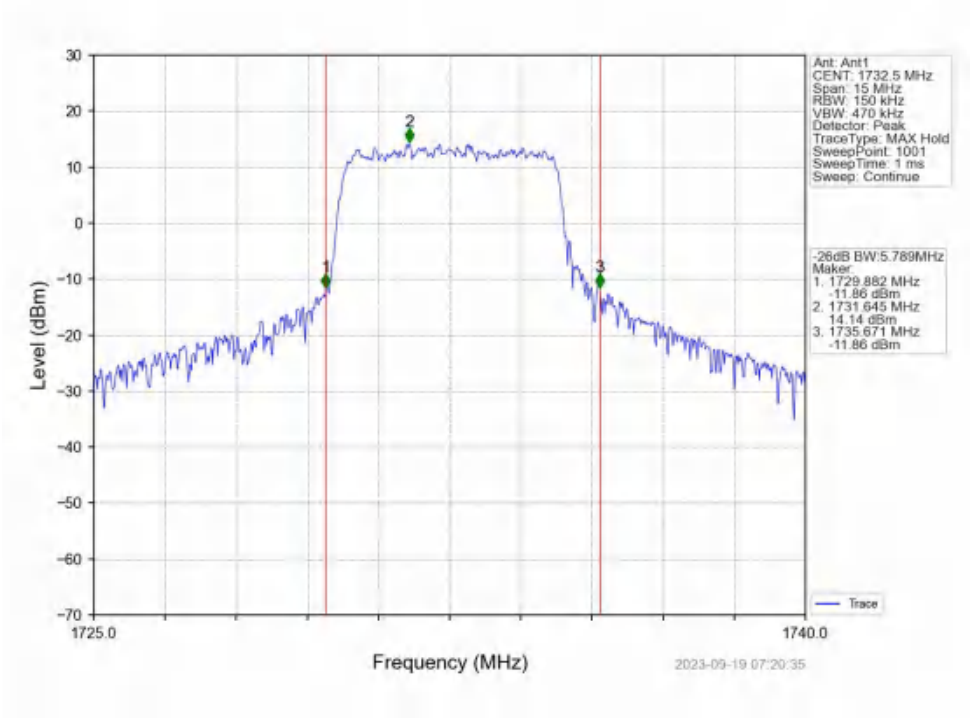
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



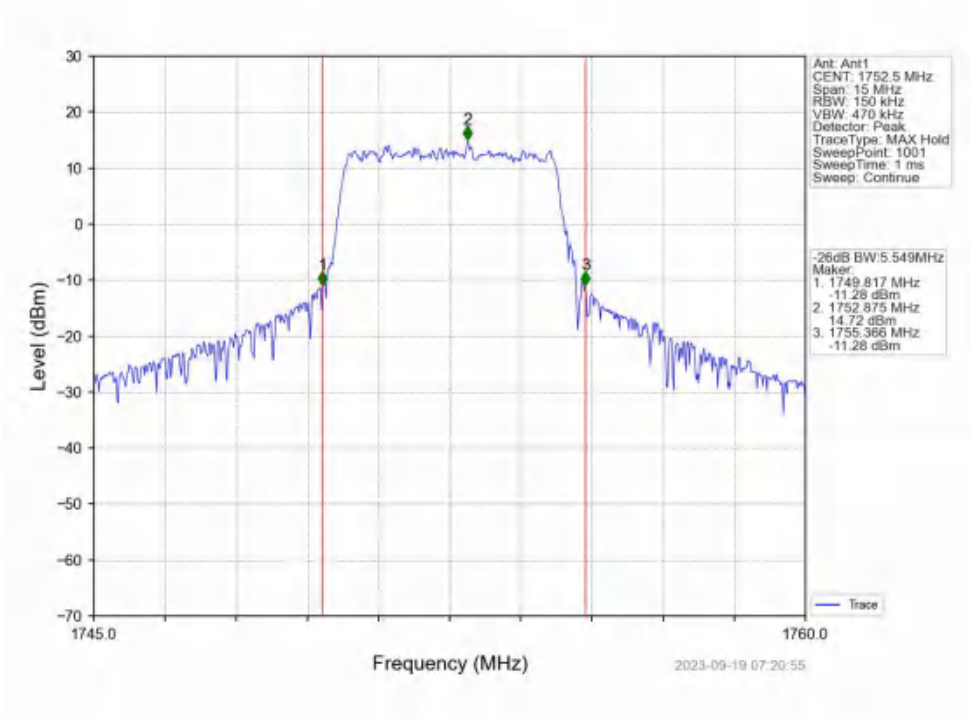
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



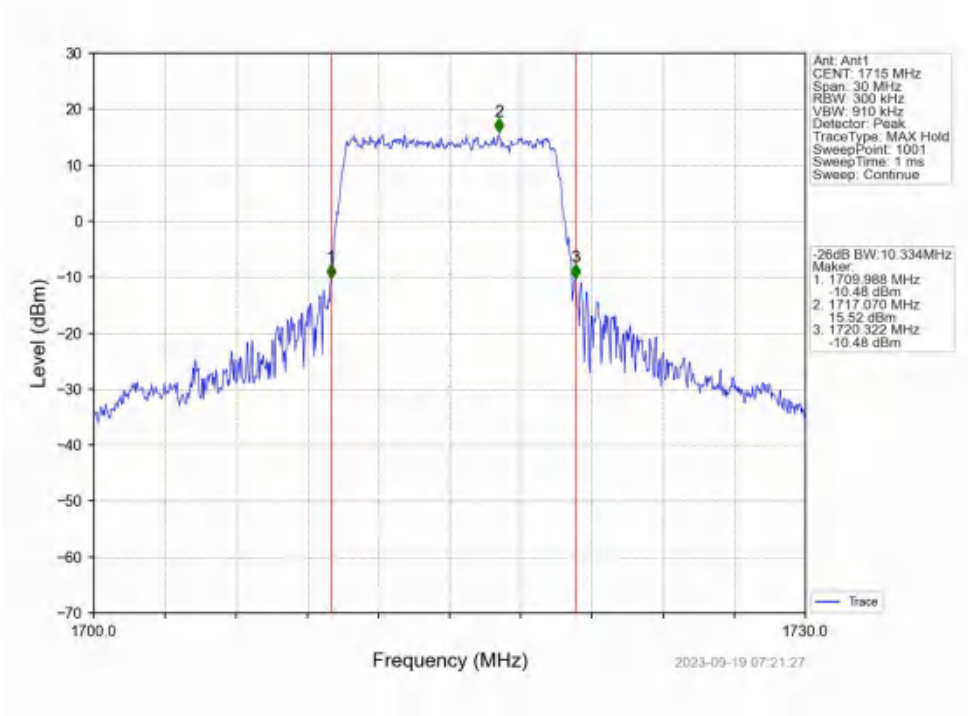
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



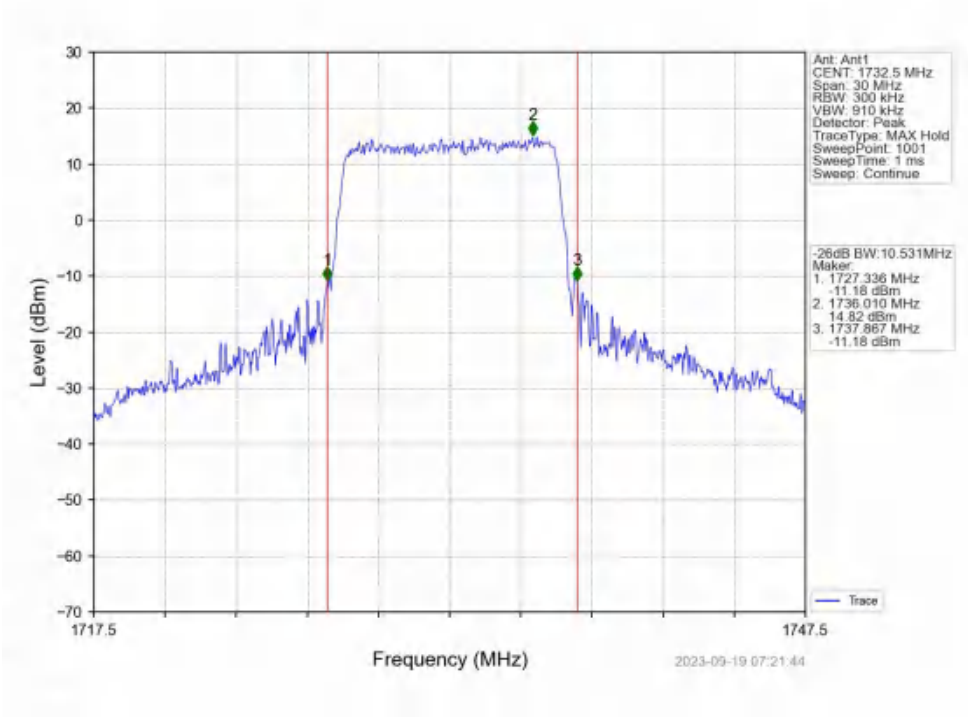
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



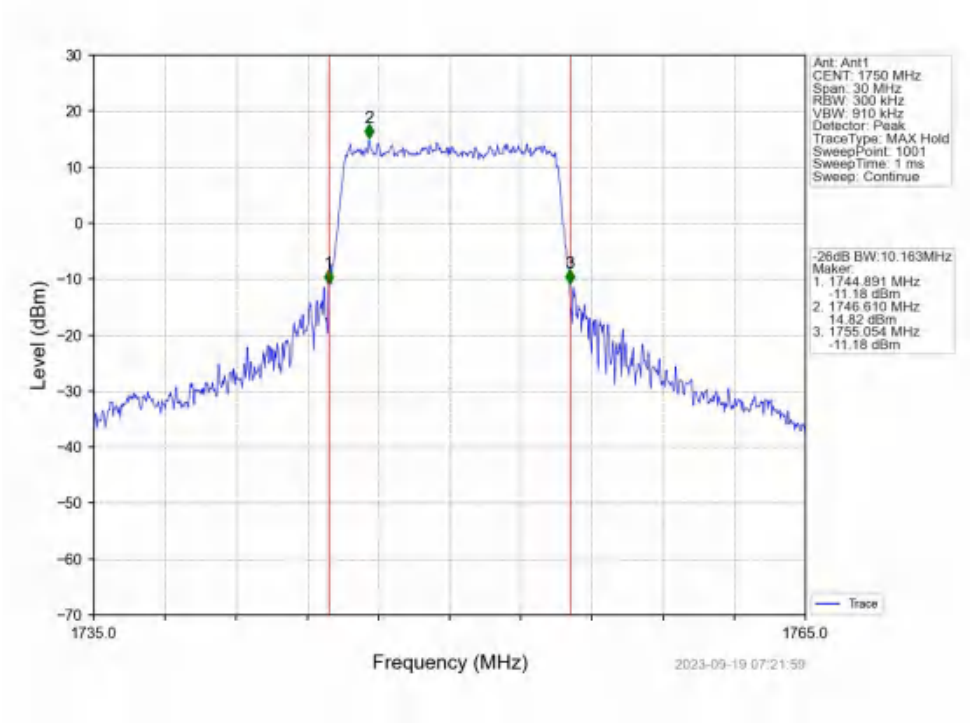
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



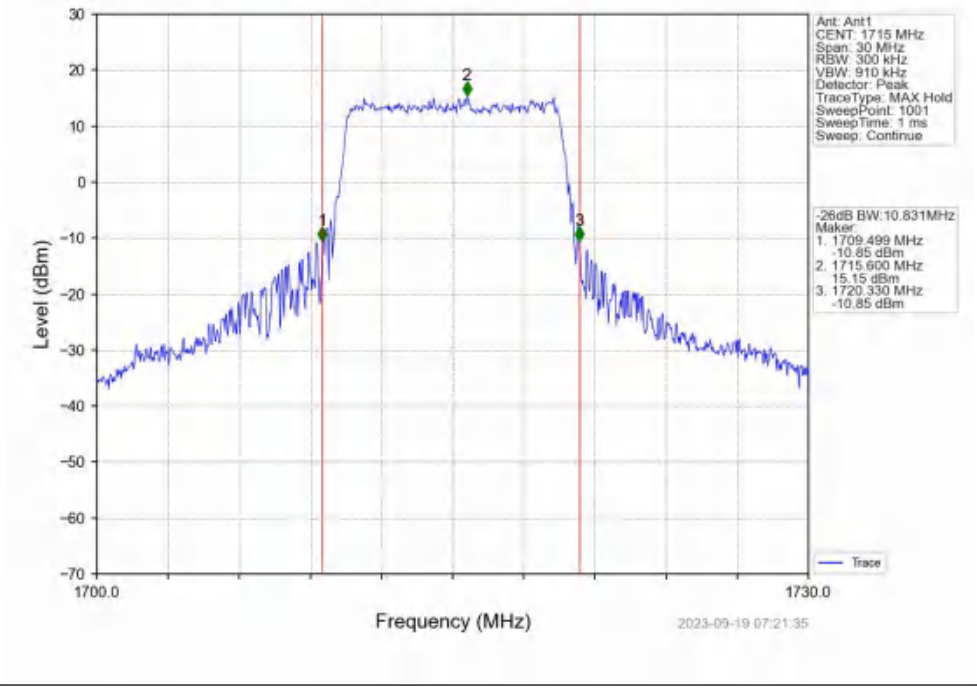
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



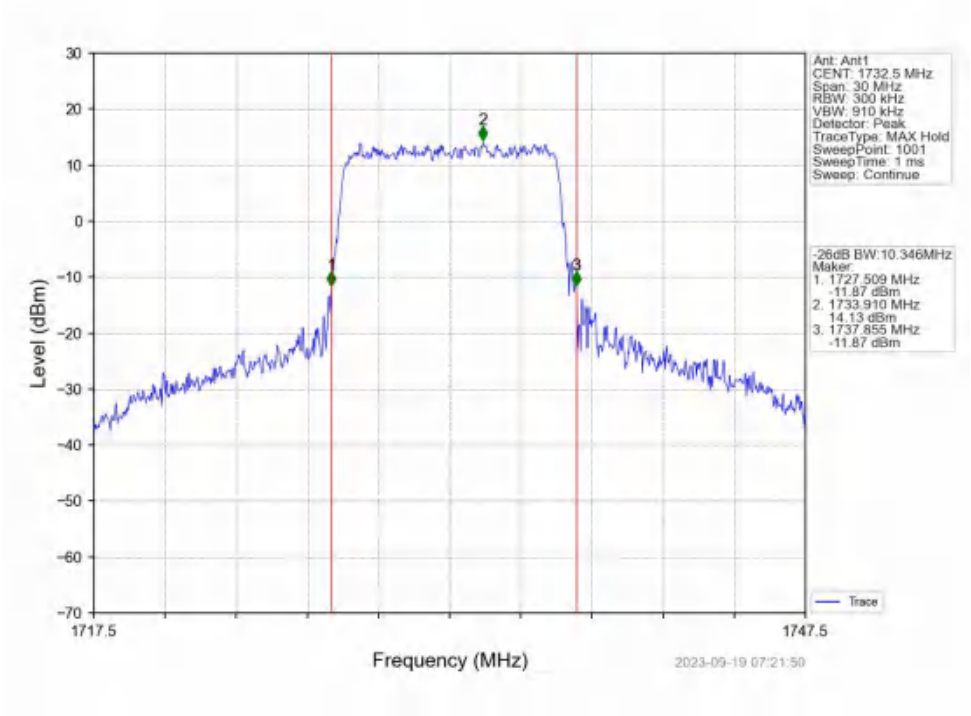
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



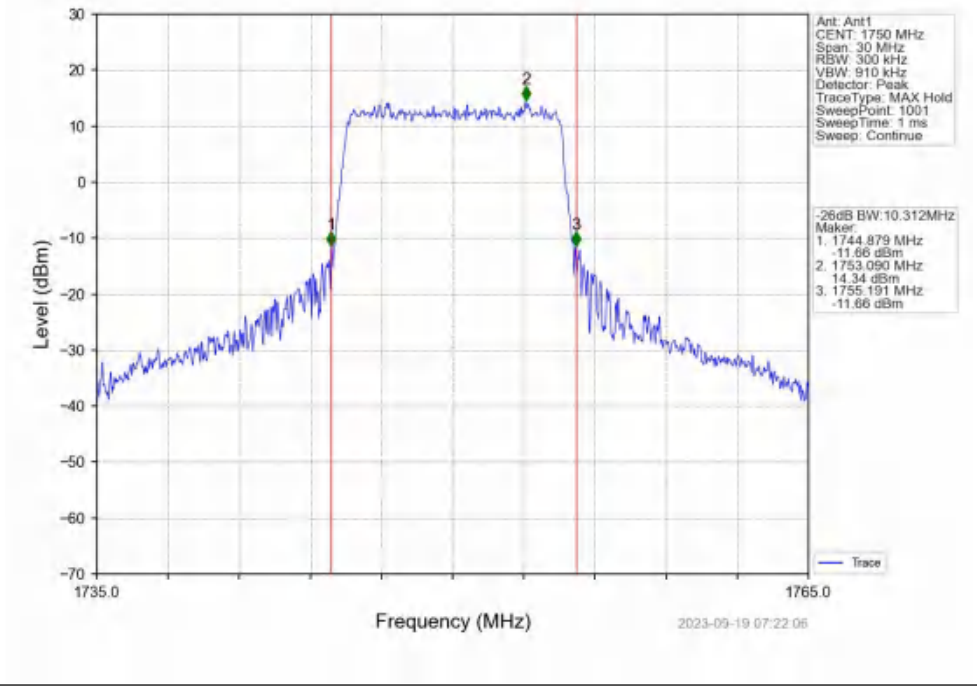
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



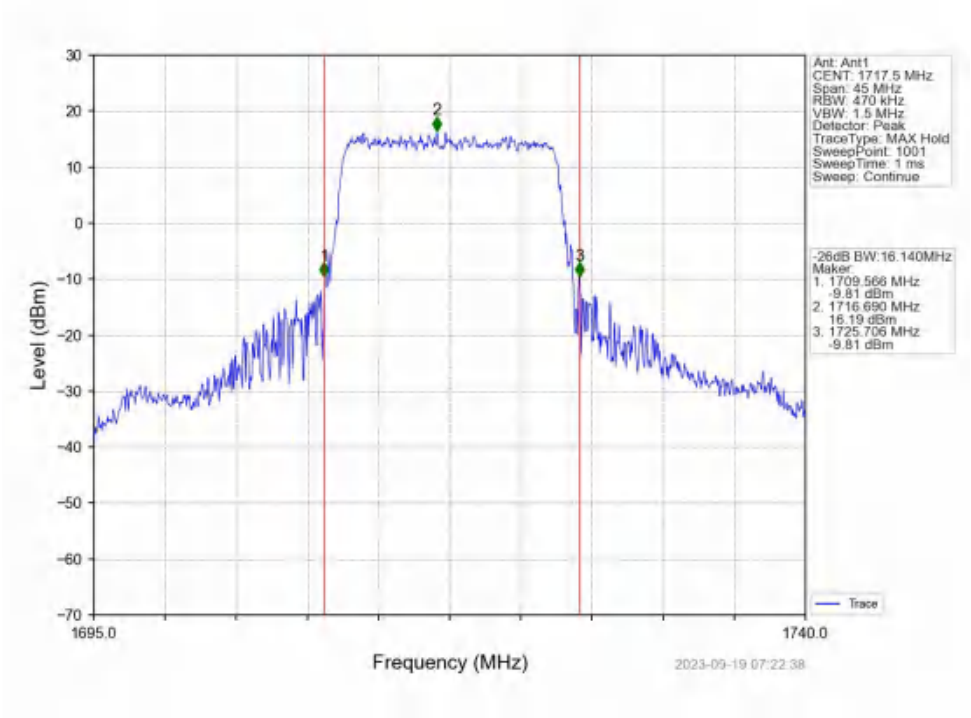
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



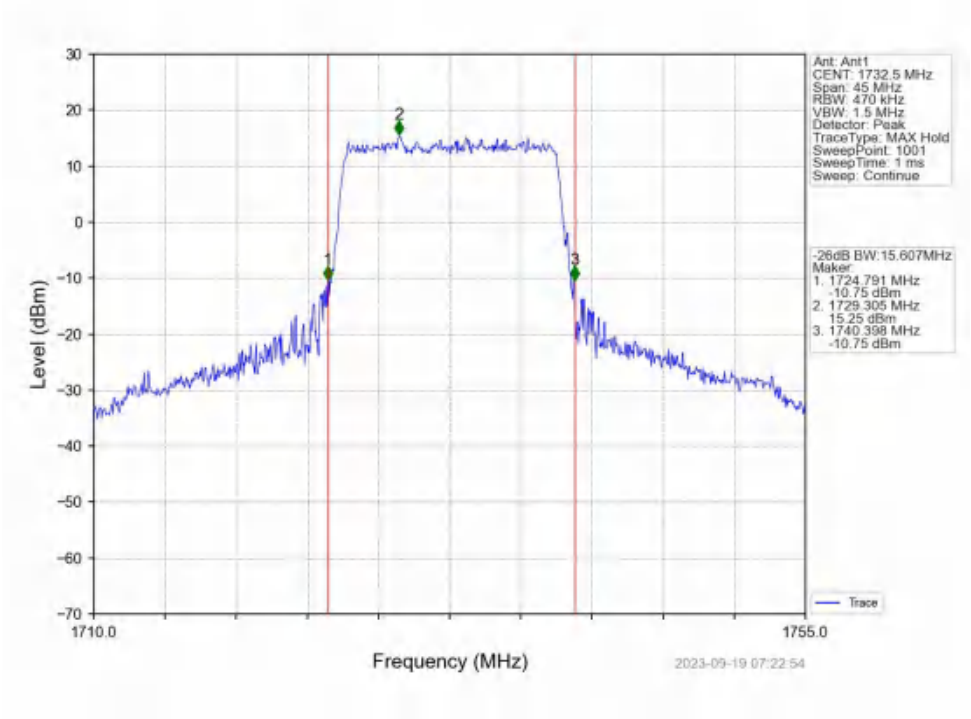
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



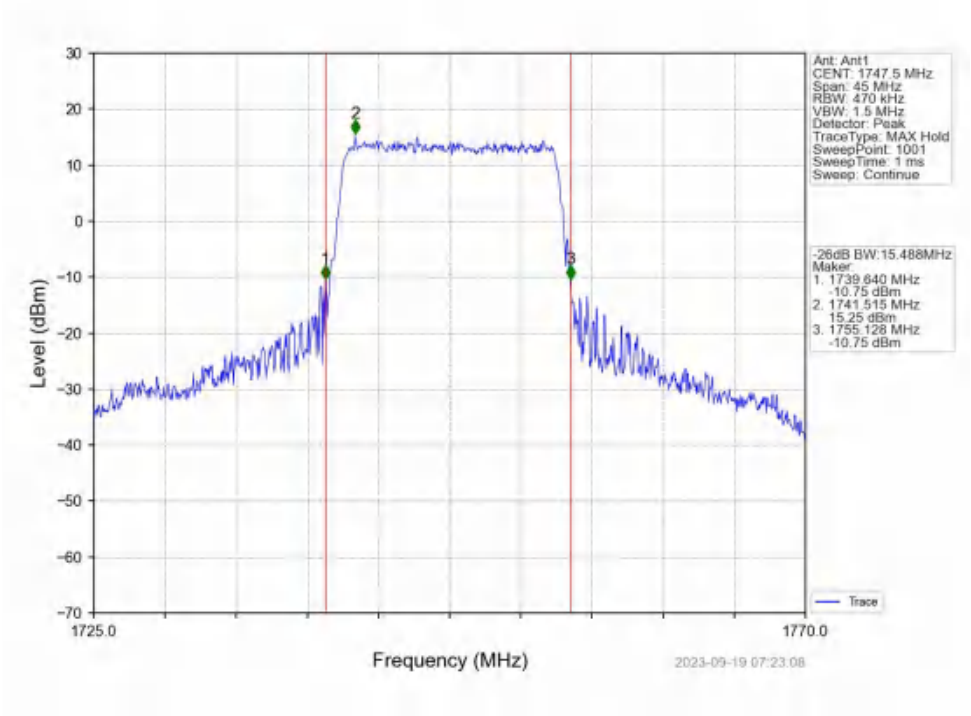
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



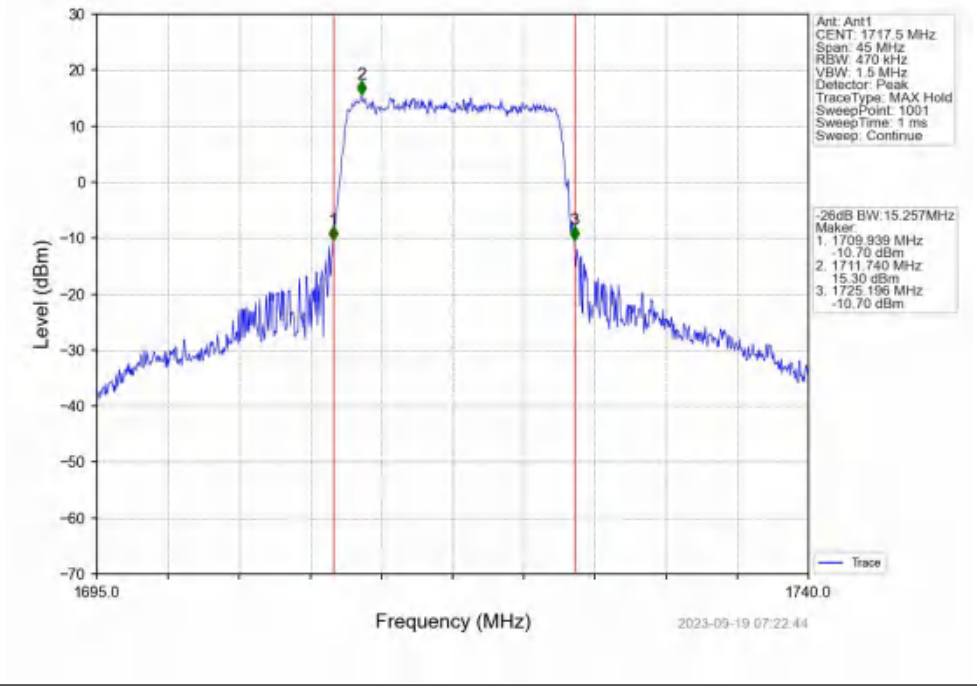
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



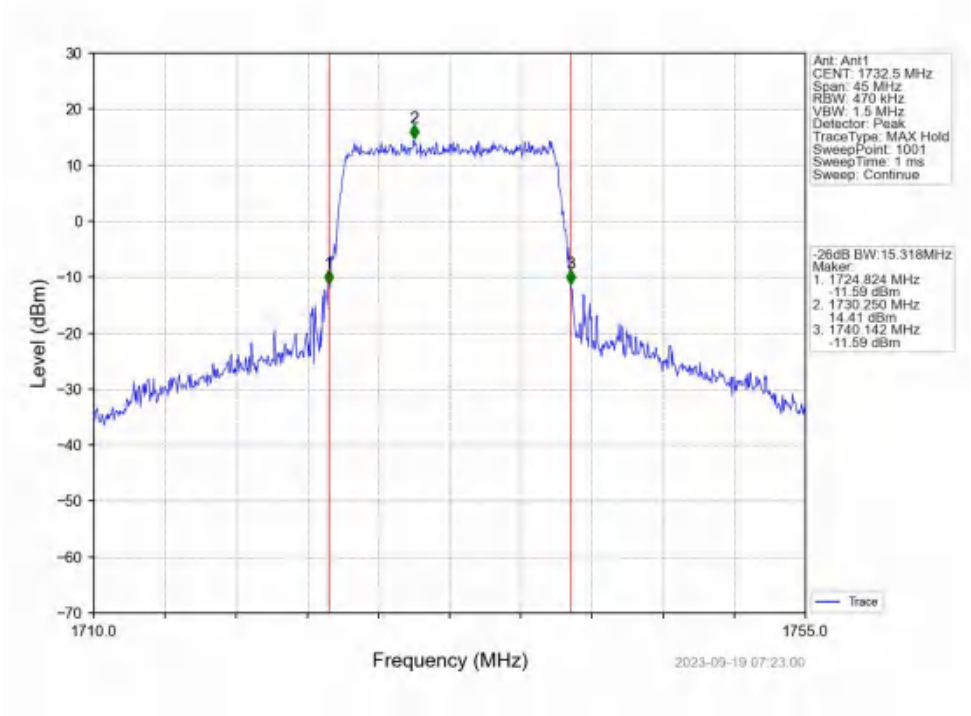
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



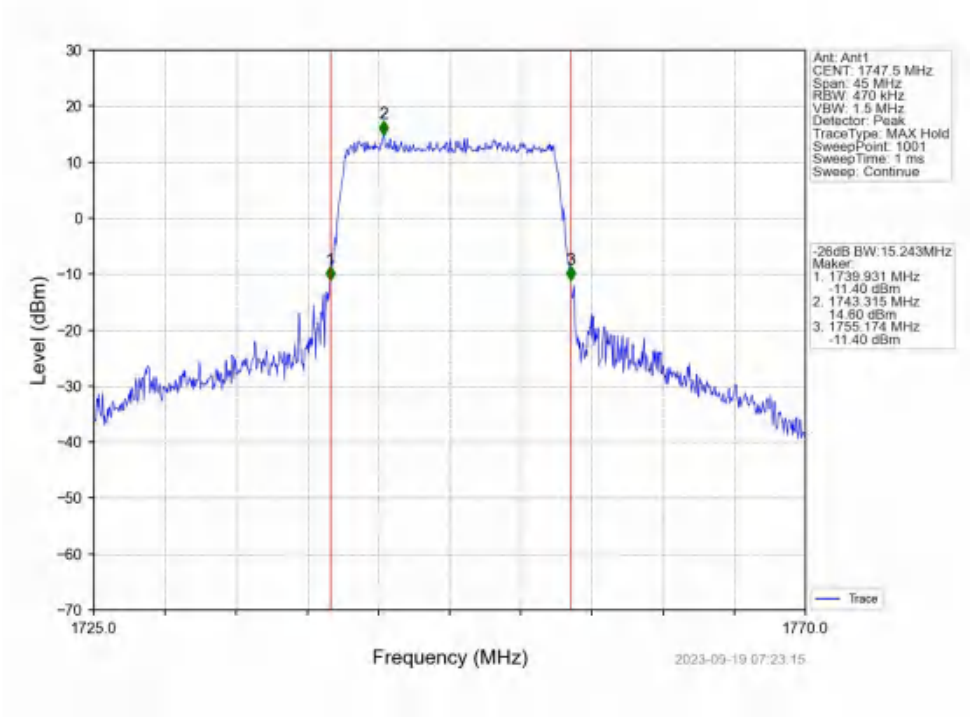
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



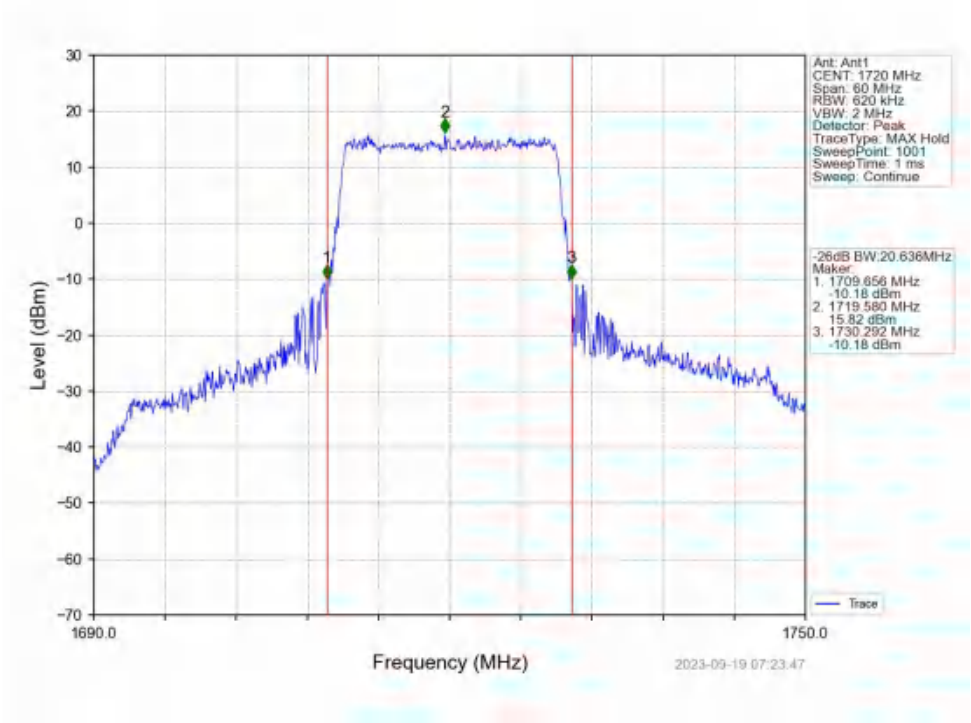
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



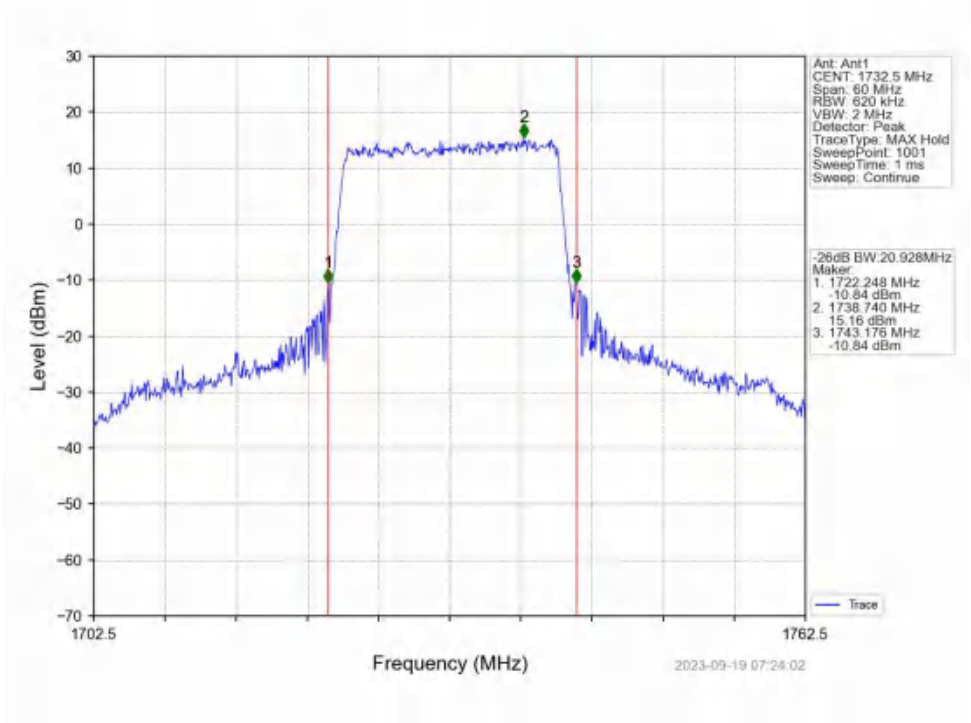
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



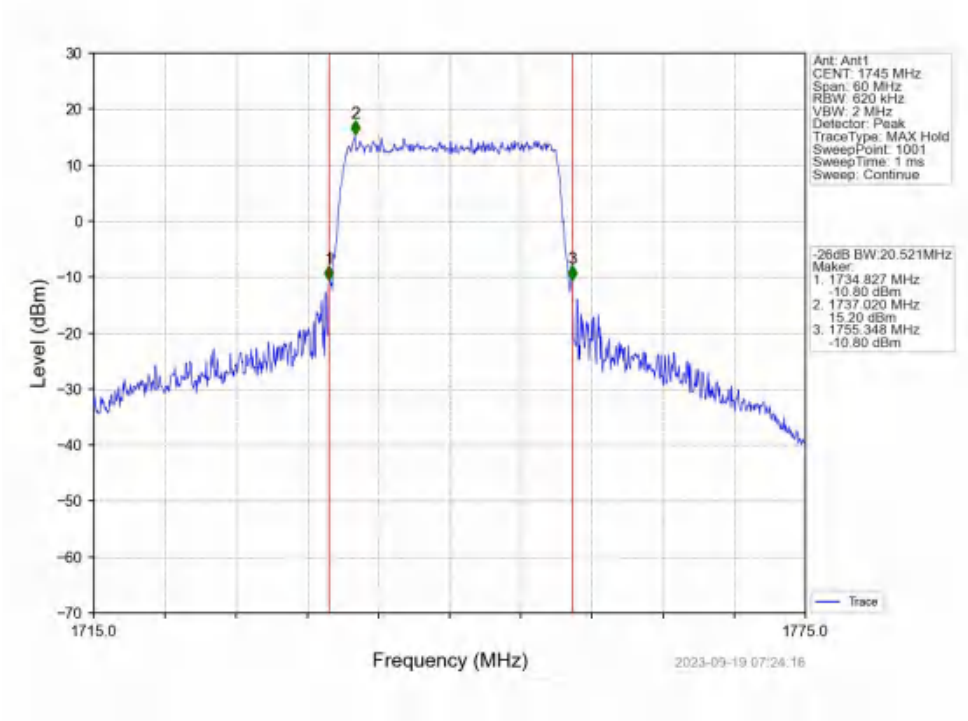
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



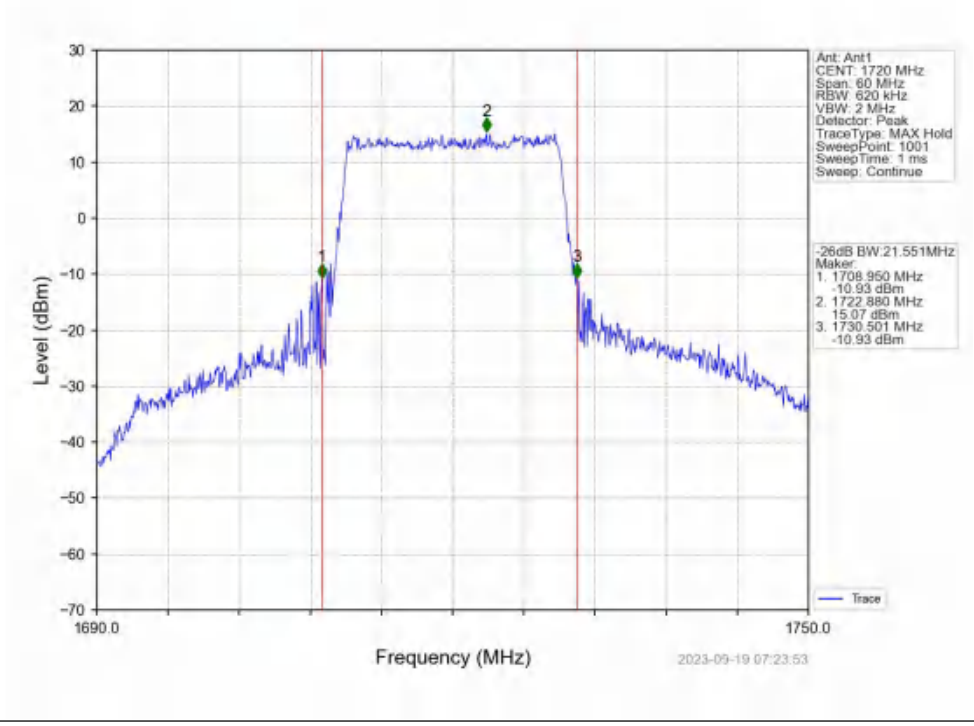
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



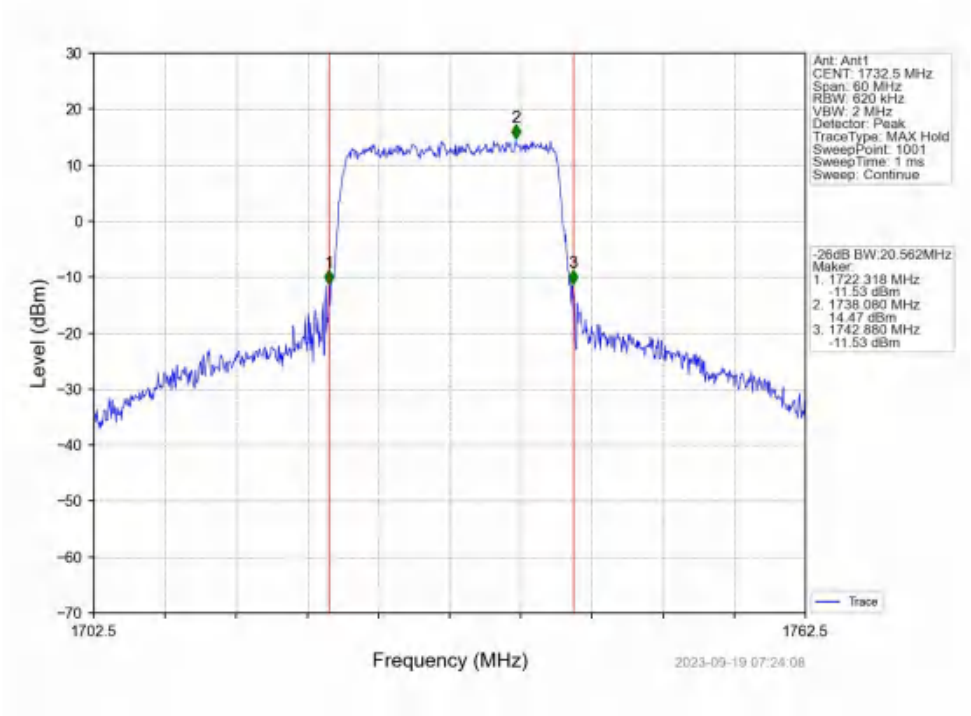
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



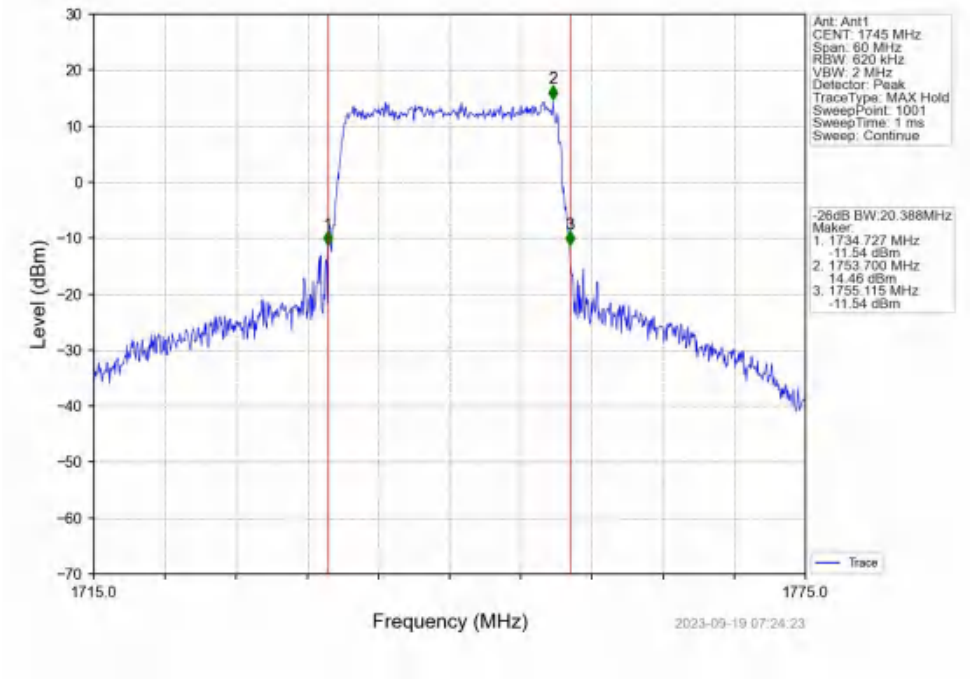
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Peak-Average Ratio

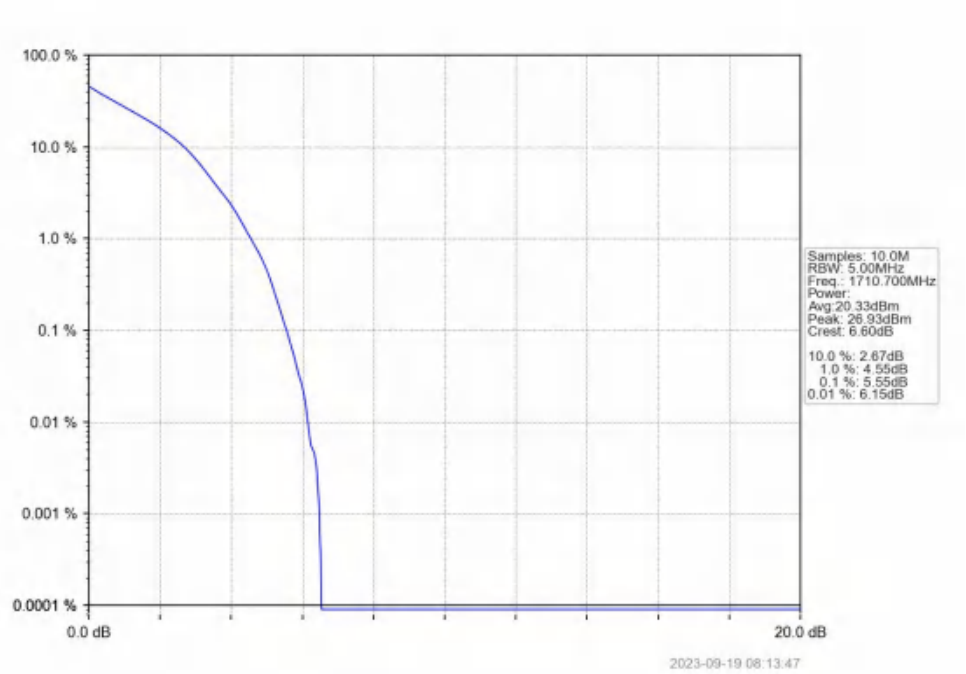
5.1 B4_1.4MHz

5.1.1 Test Result

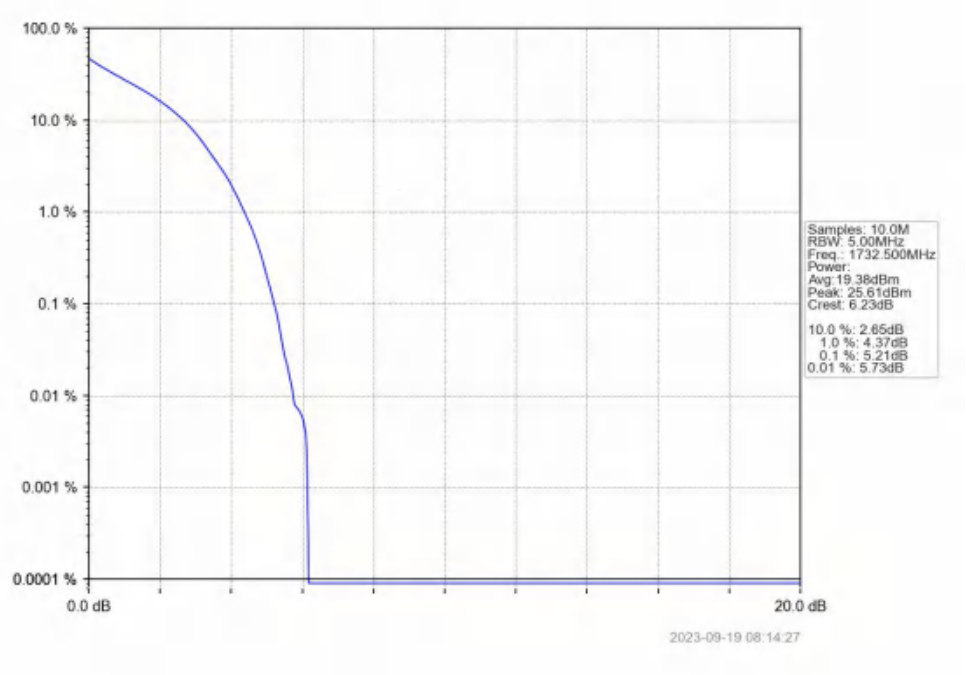
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.55	<=13	Pass
	1732.5	6	0	5.21	<=13	Pass
	1754.3	6	0	5.58	<=13	Pass
16QAM	1710.7	6	0	6.32	<=13	Pass
	1732.5	6	0	5.93	<=13	Pass
	1754.3	6	0	6.27	<=13	Pass

5.1.2 Test Graph

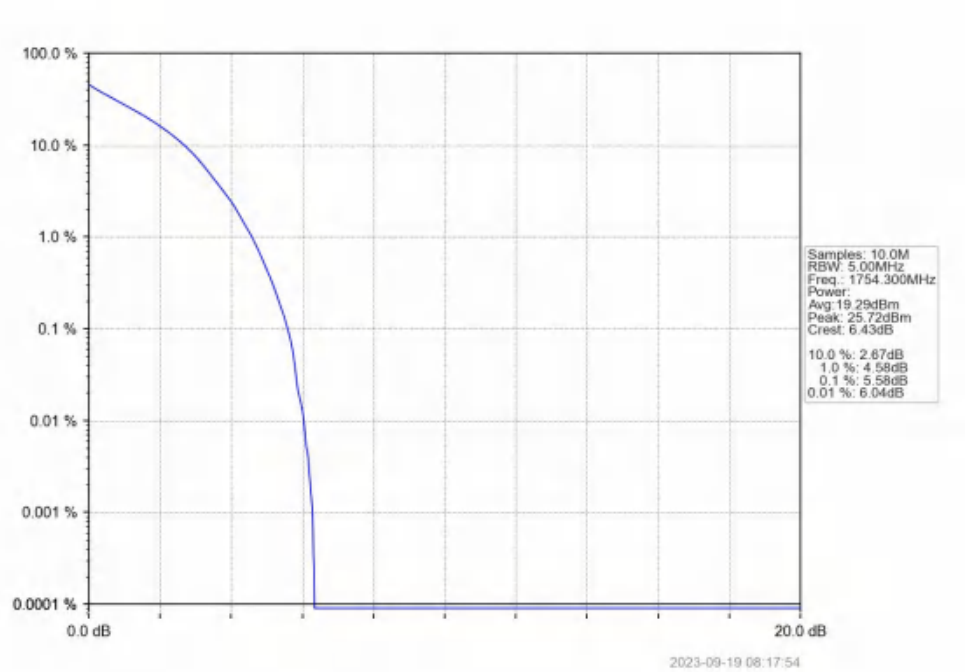
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



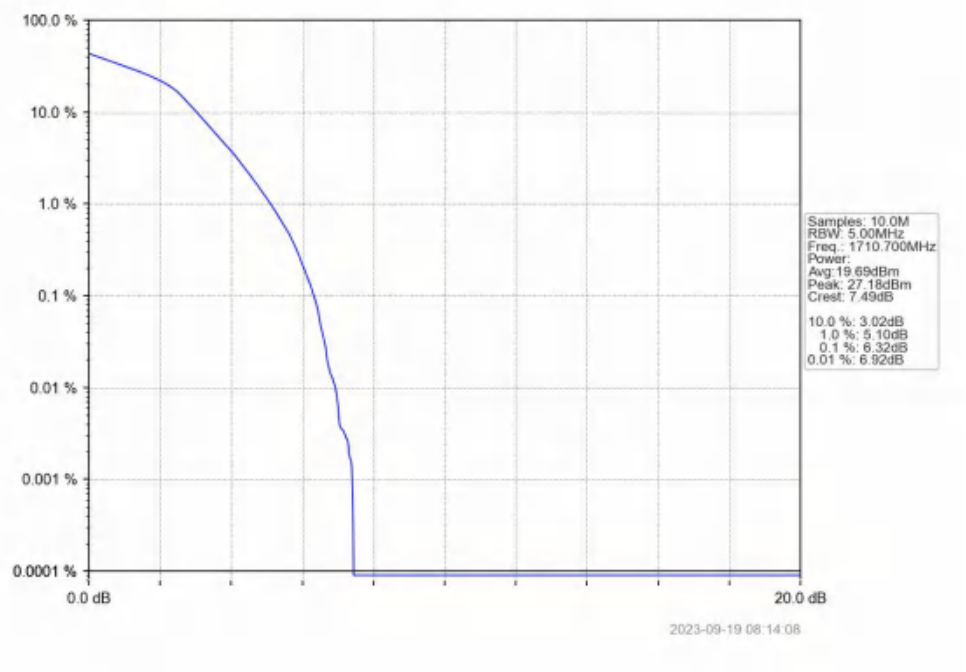
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



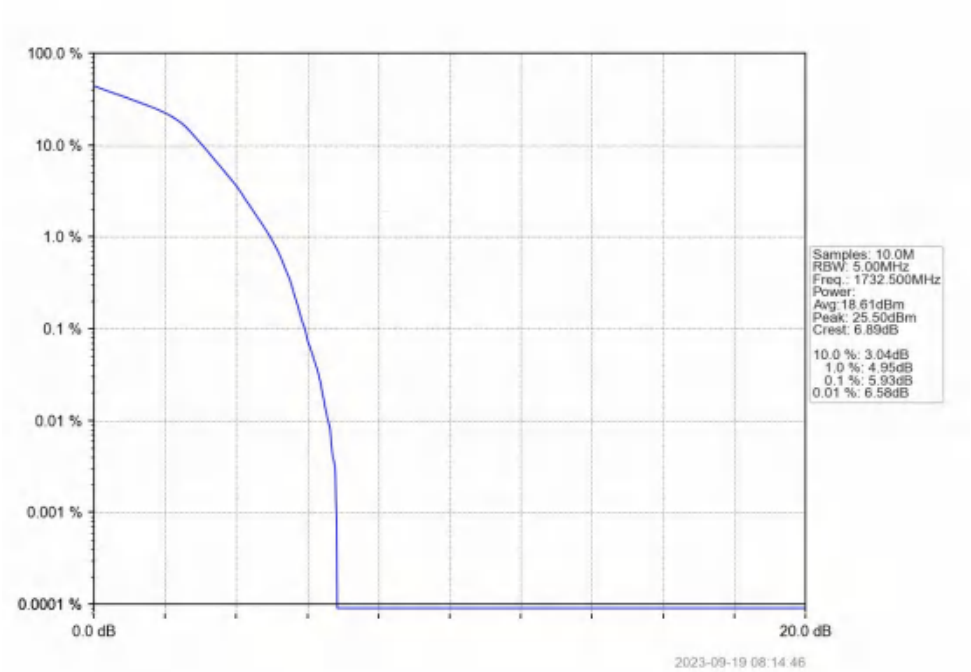
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



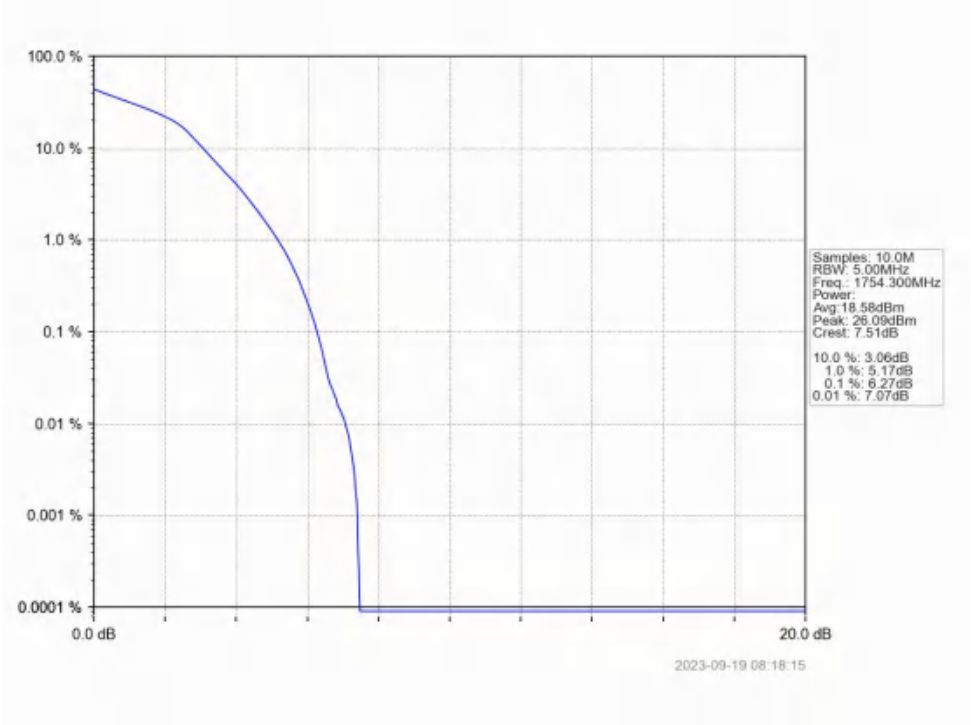
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



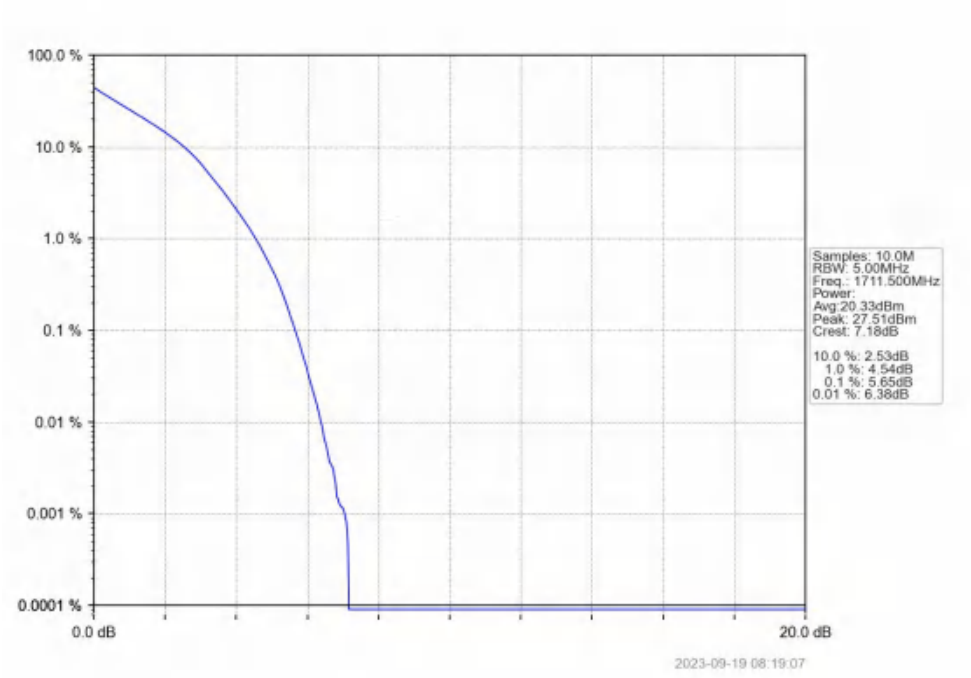
5.2 B4_3MHz

5.2.1 Test Result

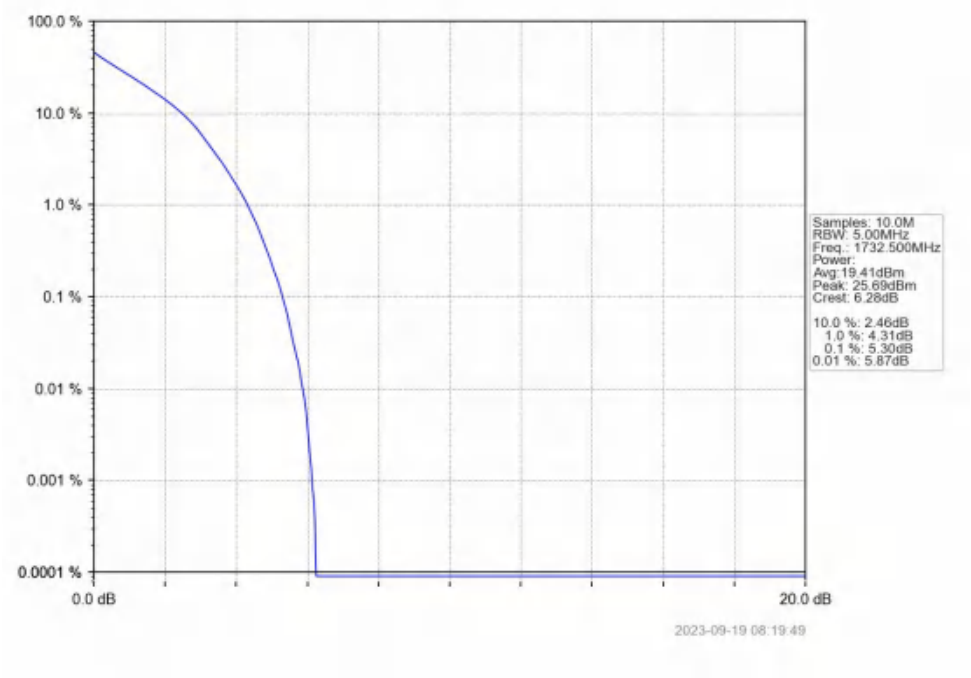
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.65	<=13	Pass
	1732.5	15	0	5.30	<=13	Pass
	1753.5	15	0	5.63	<=13	Pass
16QAM	1711.5	15	0	6.43	<=13	Pass
	1732.5	15	0	6.09	<=13	Pass
	1753.5	15	0	6.46	<=13	Pass

5.2.2 Test Graph

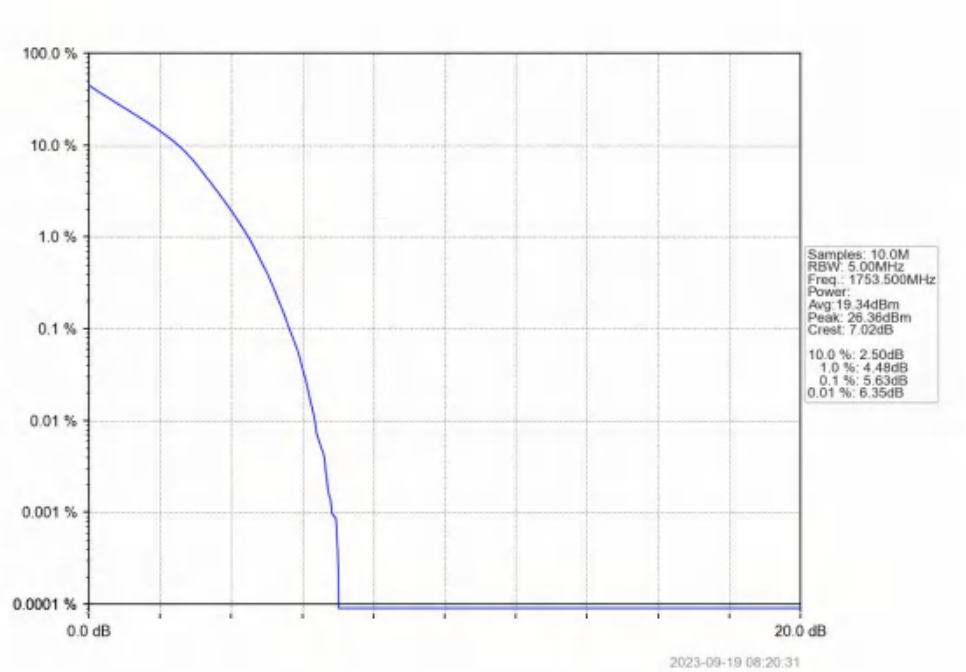
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



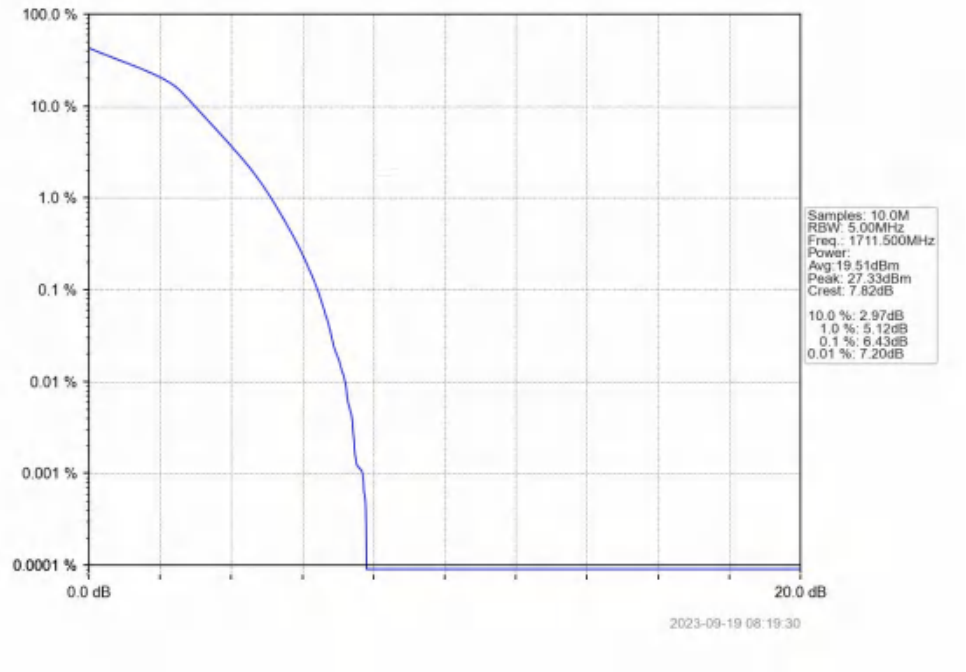
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



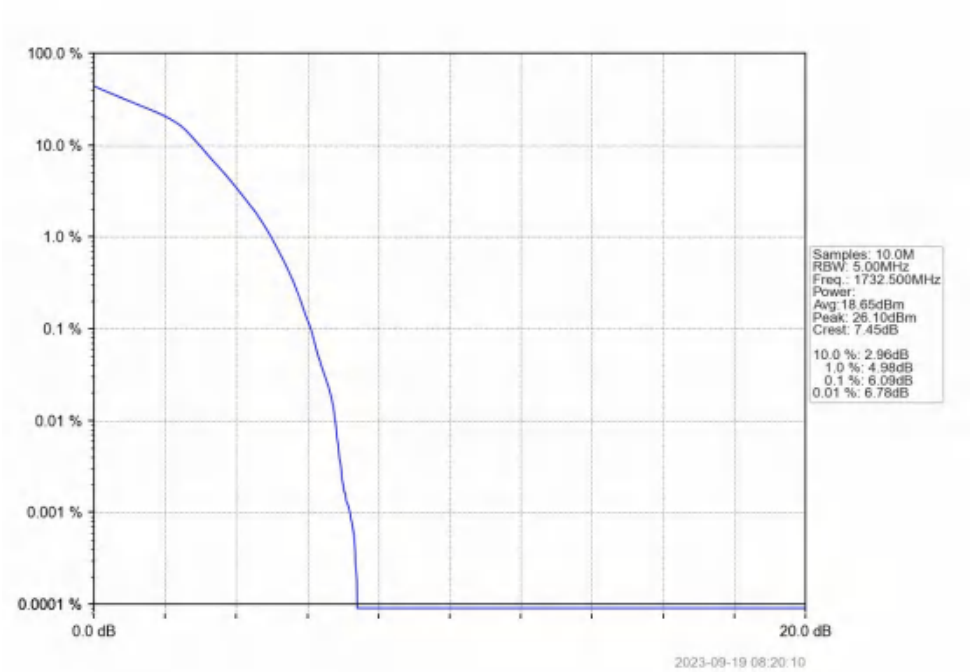
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



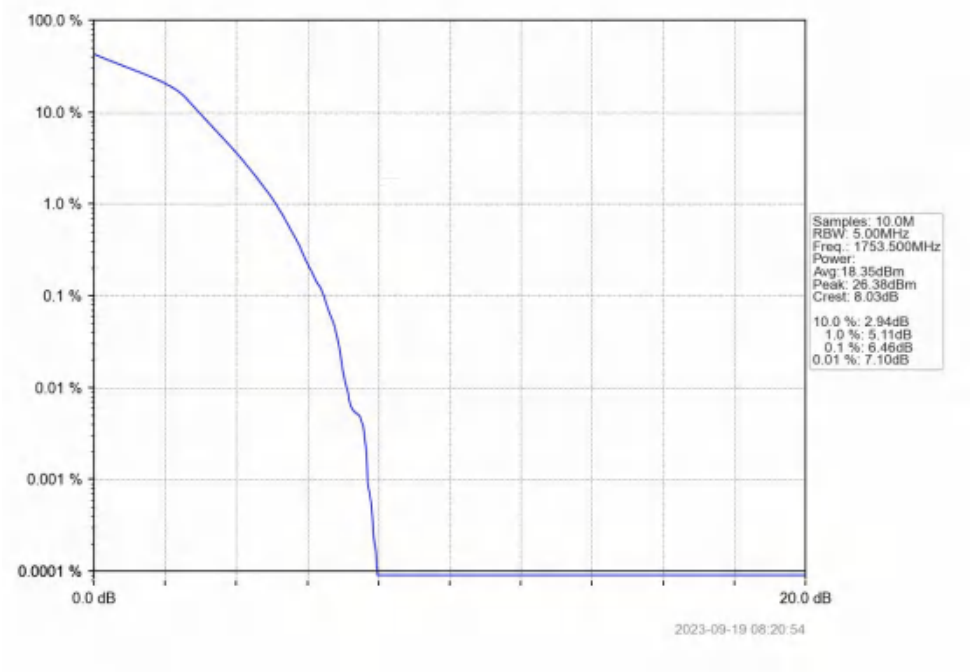
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



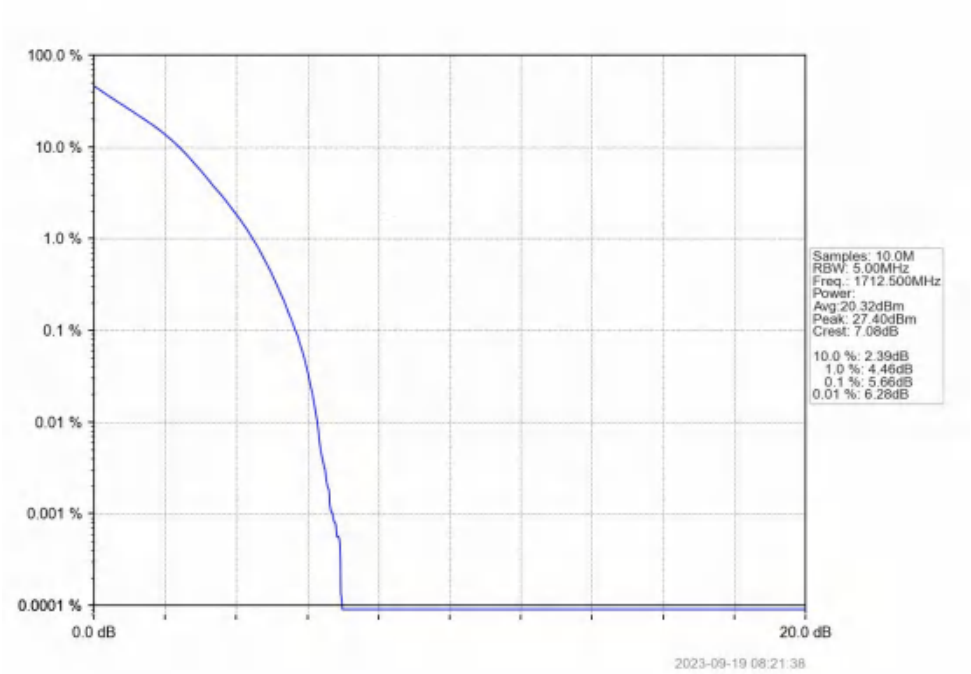
5.3 B4_5MHz

5.3.1 Test Result

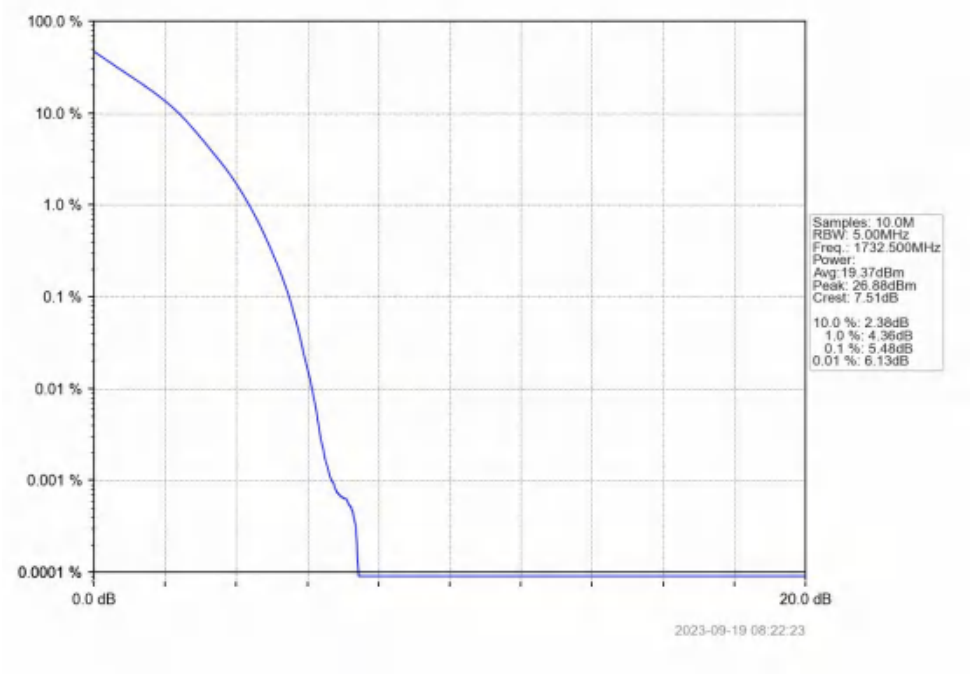
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.66	<=13	Pass
	1732.5	25	0	5.48	<=13	Pass
	1752.5	25	0	5.61	<=13	Pass
16QAM	1712.5	25	0	6.42	<=13	Pass
	1732.5	25	0	6.13	<=13	Pass
	1752.5	25	0	6.34	<=13	Pass

5.3.2 Test Graph

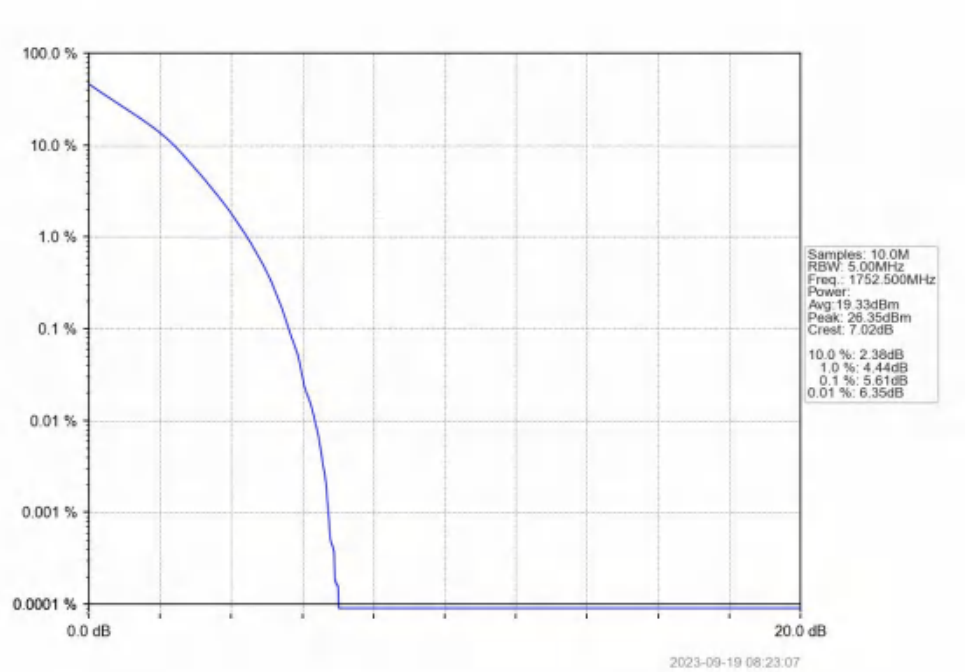
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



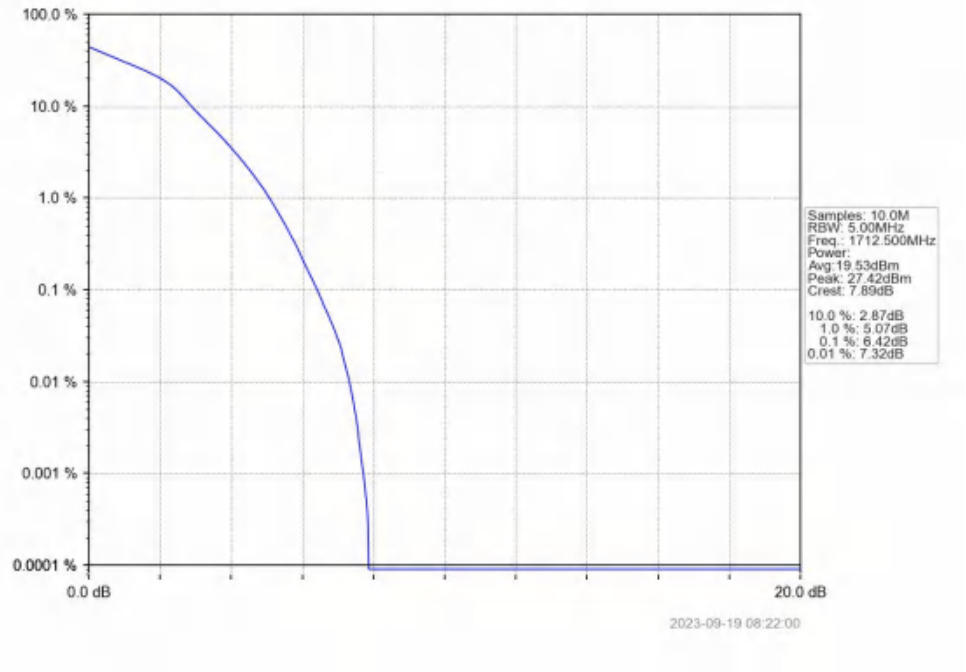
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



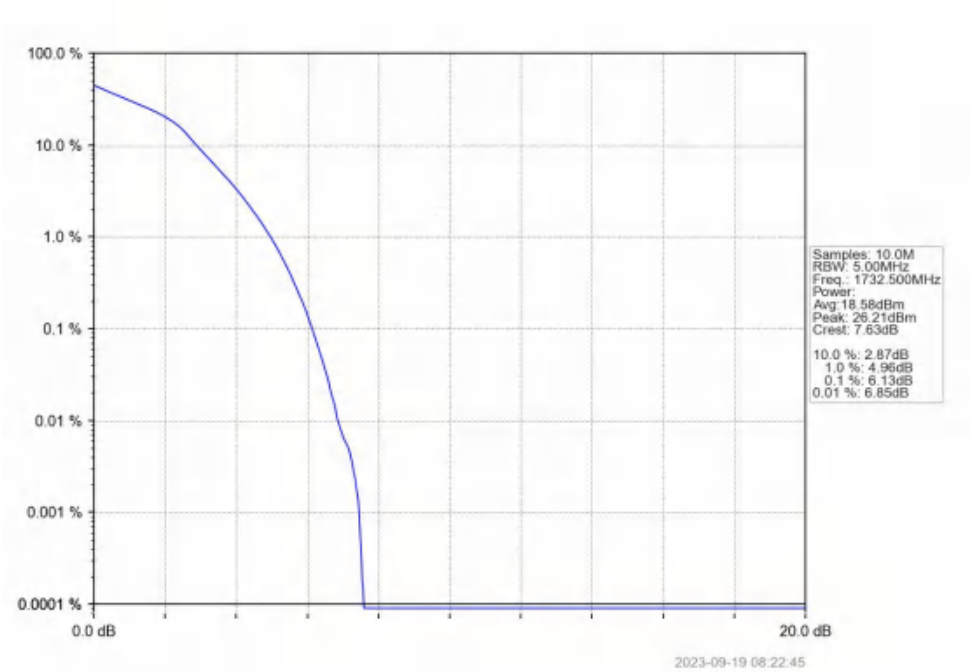
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



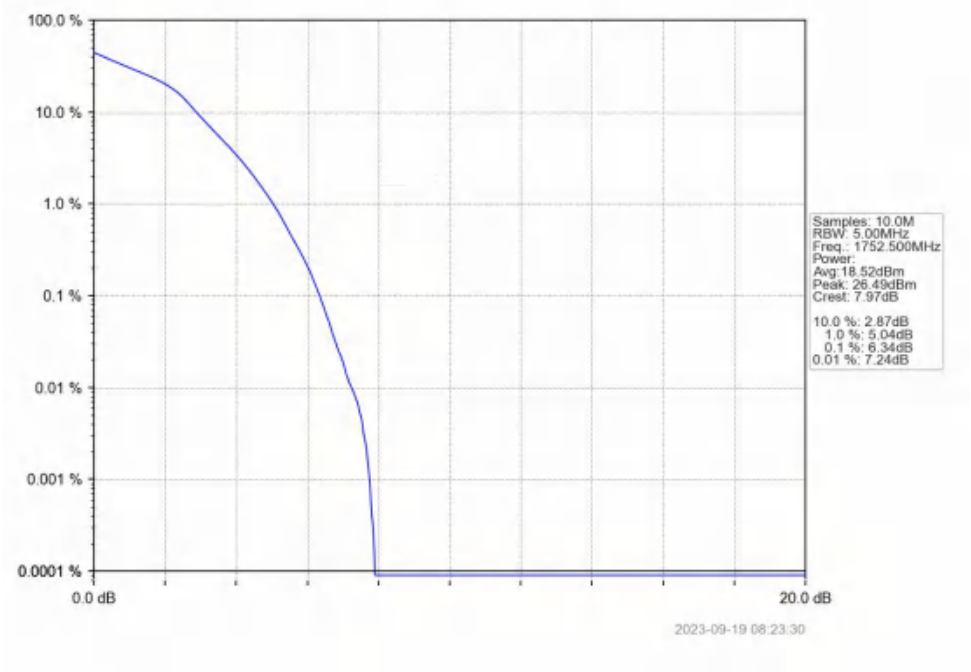
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



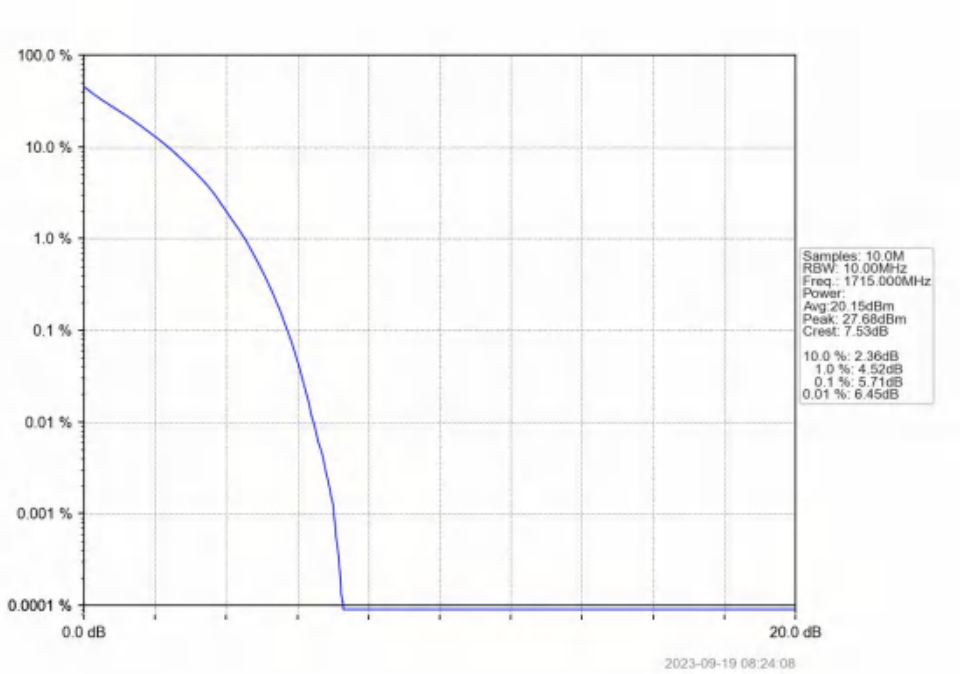
5.4 B4_10MHz

5.4.1 Test Result

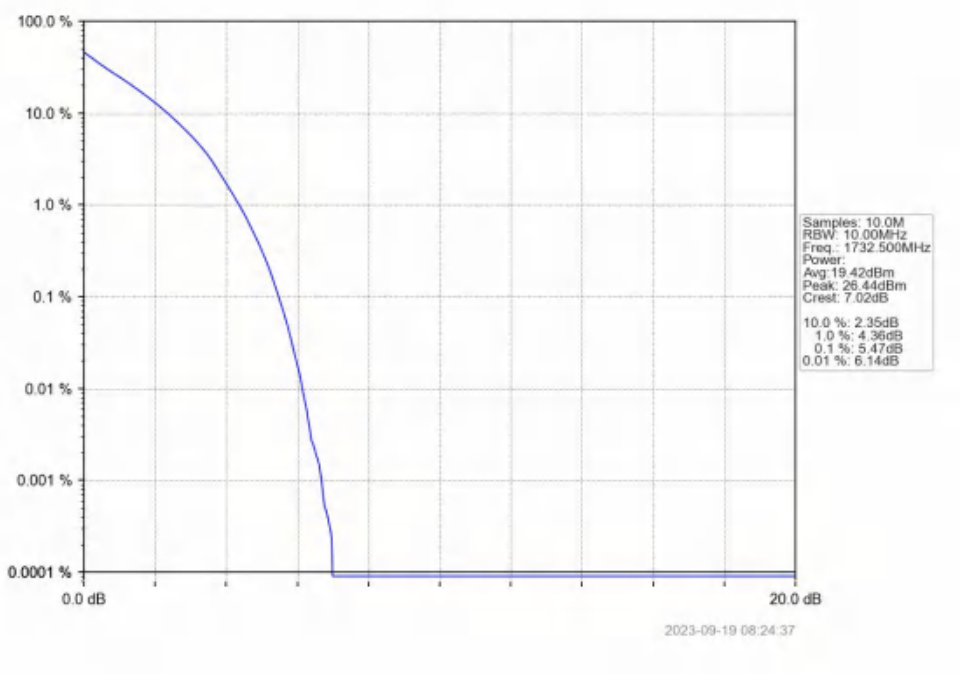
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.71	<=13	Pass
	1732.5	50	0	5.47	<=13	Pass
	1750	50	0	5.66	<=13	Pass
16QAM	1715	50	0	6.45	<=13	Pass
	1732.5	50	0	6.22	<=13	Pass
	1750	50	0	6.33	<=13	Pass

5.4.2 Test Graph

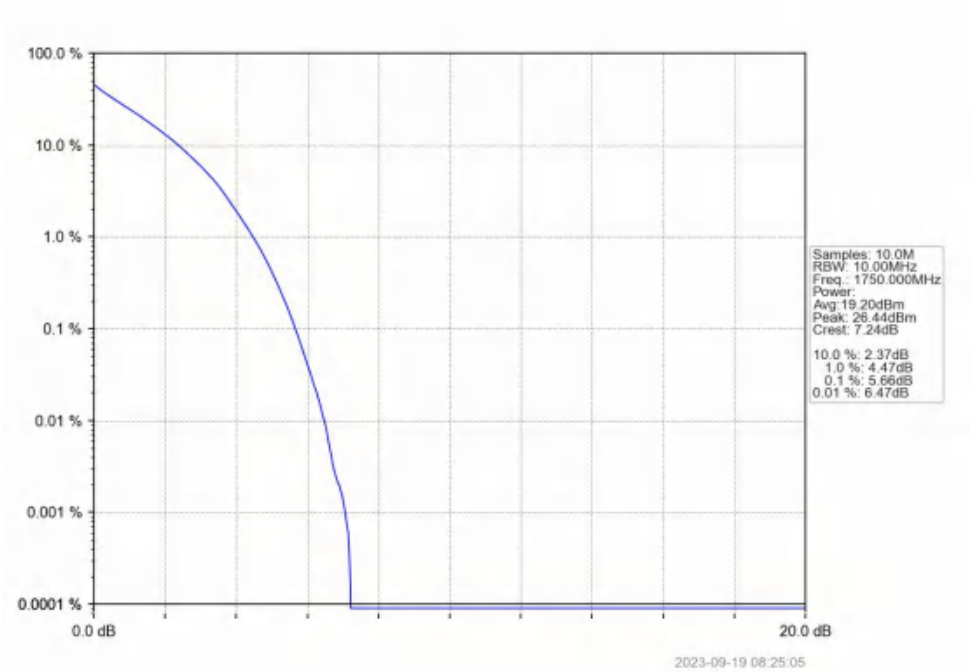
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



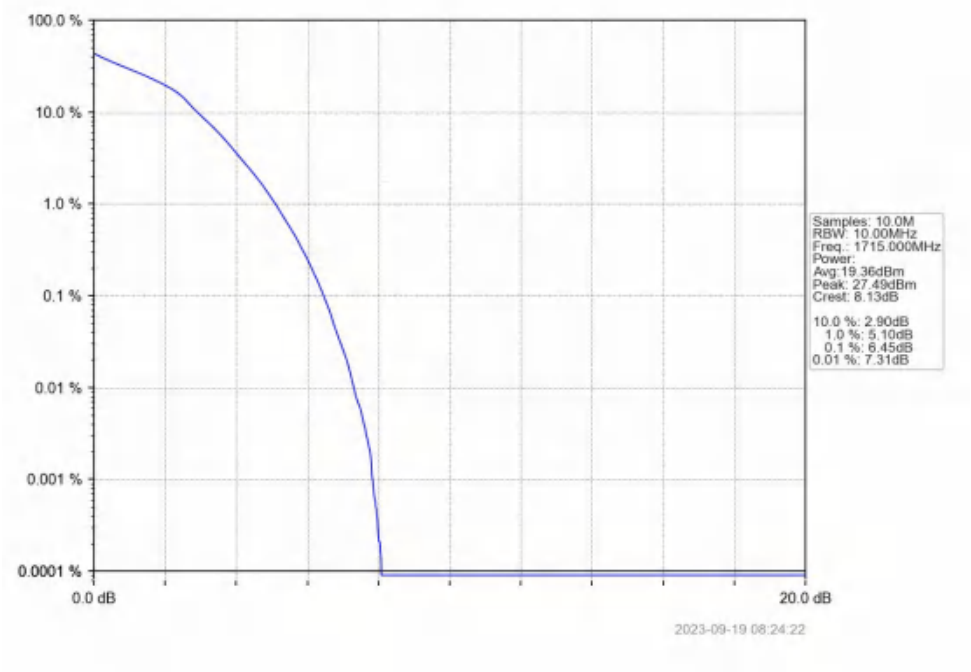
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



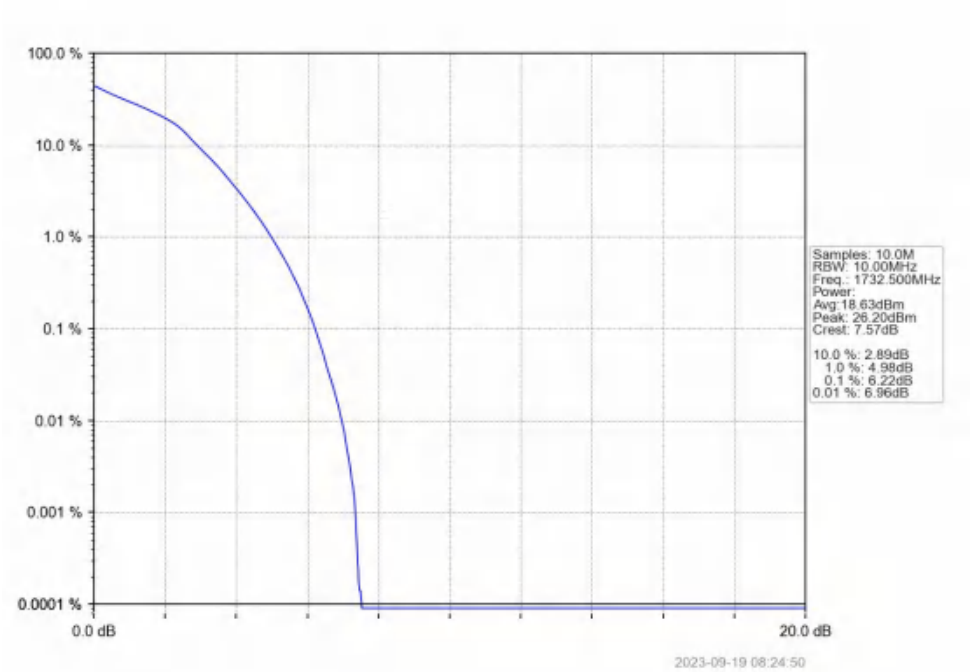
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



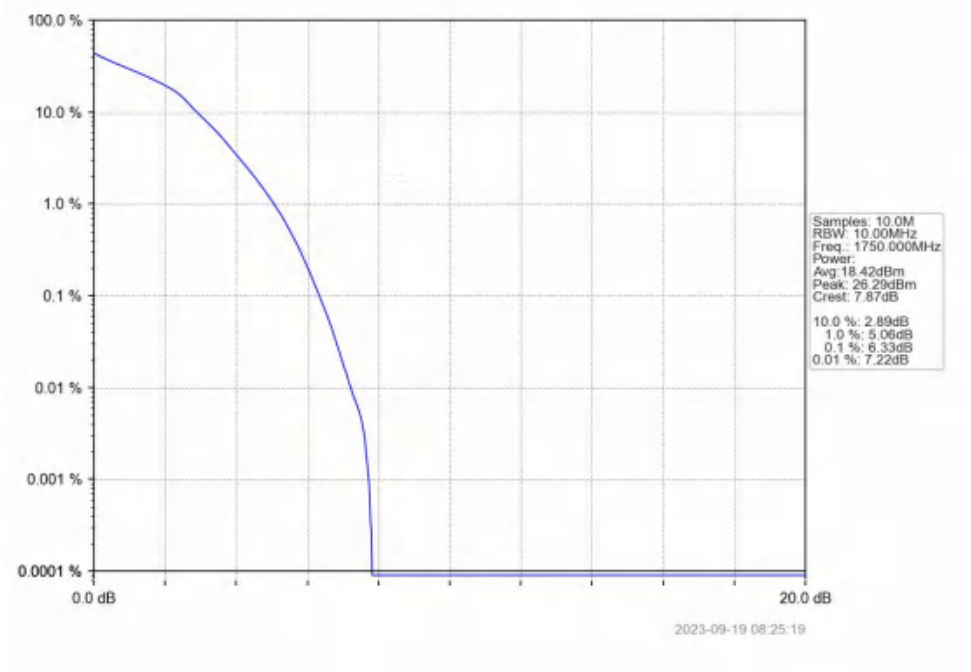
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



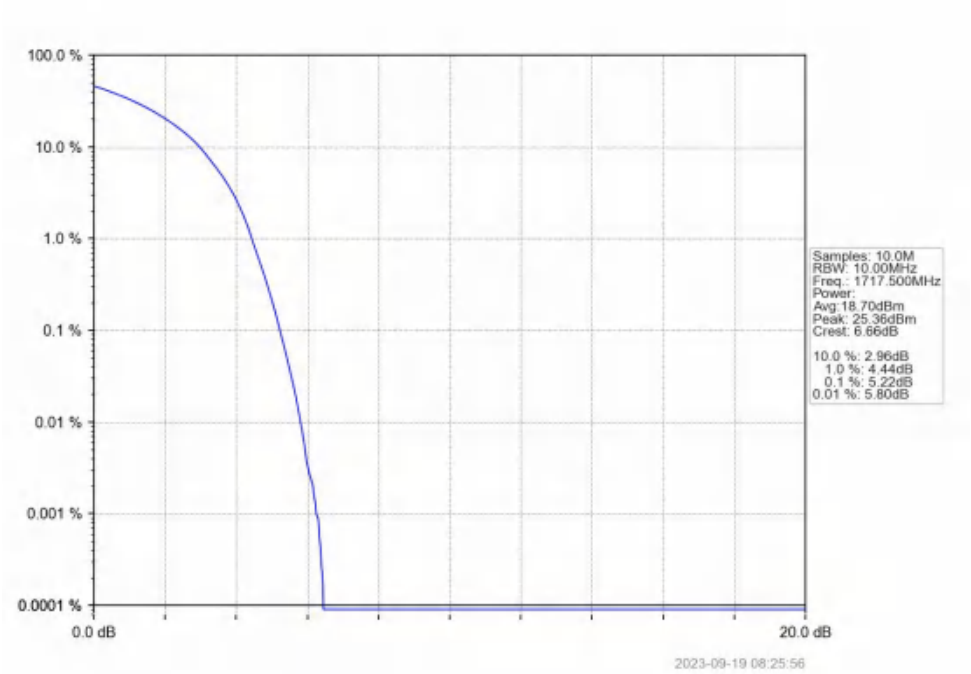
5.5 B4_15MHz

5.5.1 Test Result

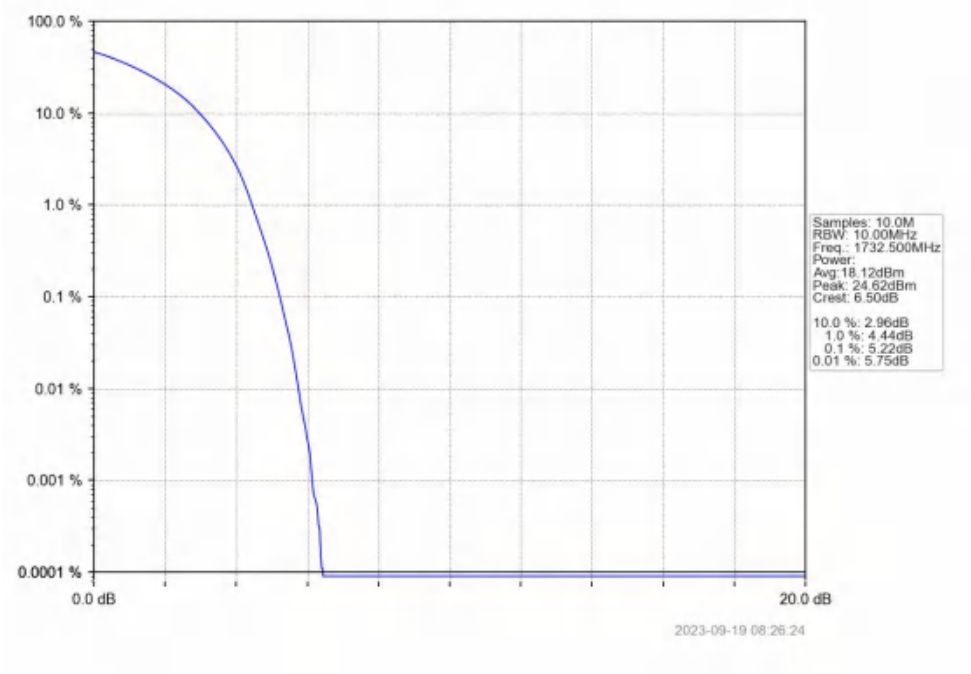
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.22	<=13	Pass
	1732.5	75	0	5.22	<=13	Pass
	1747.5	75	0	5.22	<=13	Pass
16QAM	1717.5	75	0	6.42	<=13	Pass
	1732.5	75	0	6.30	<=13	Pass
	1747.5	75	0	6.35	<=13	Pass

5.5.2 Test Graph

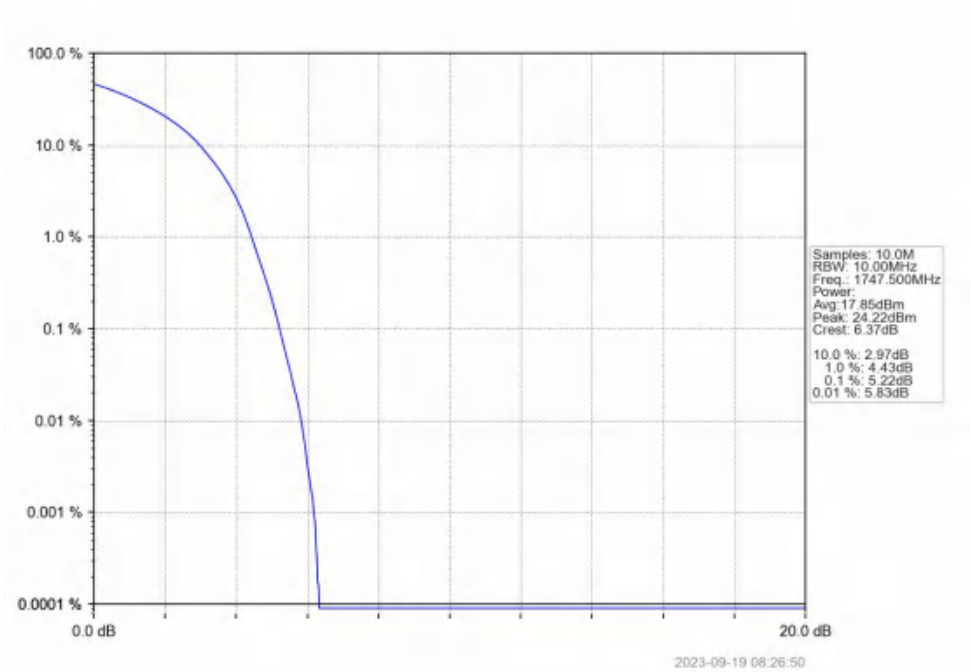
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



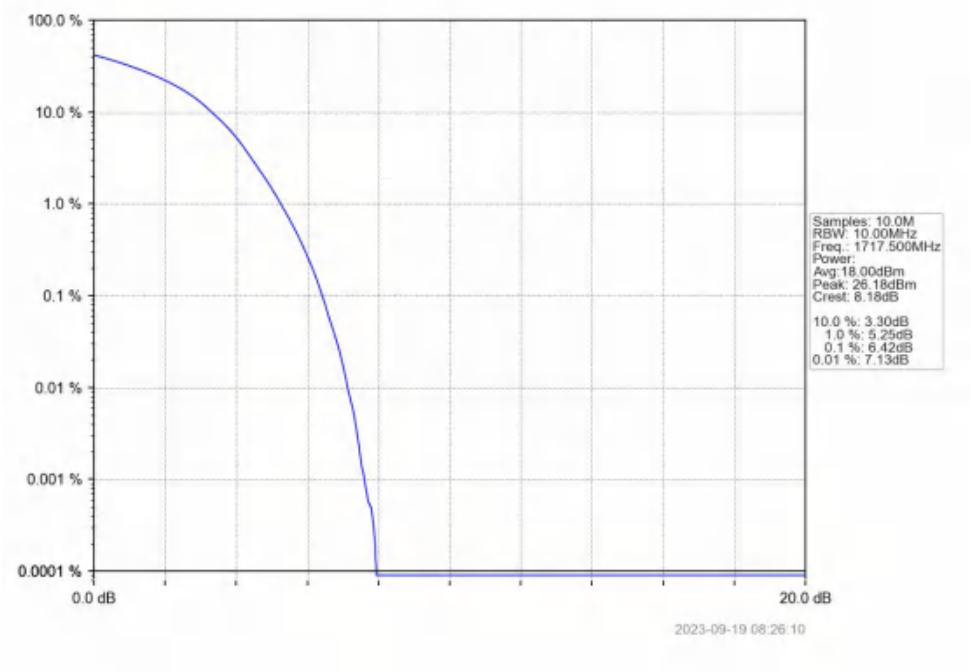
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



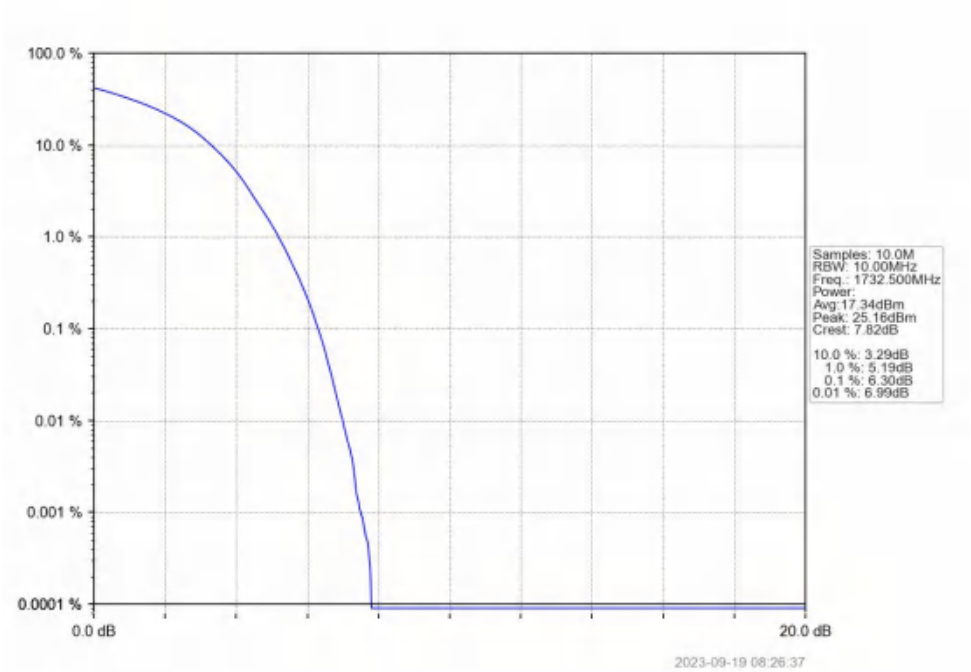
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



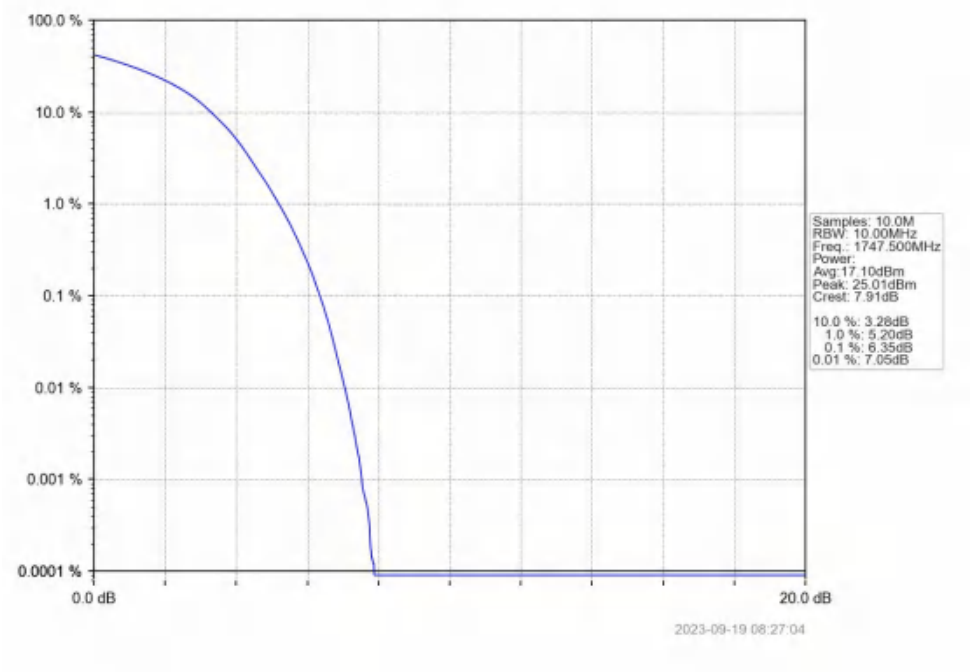
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



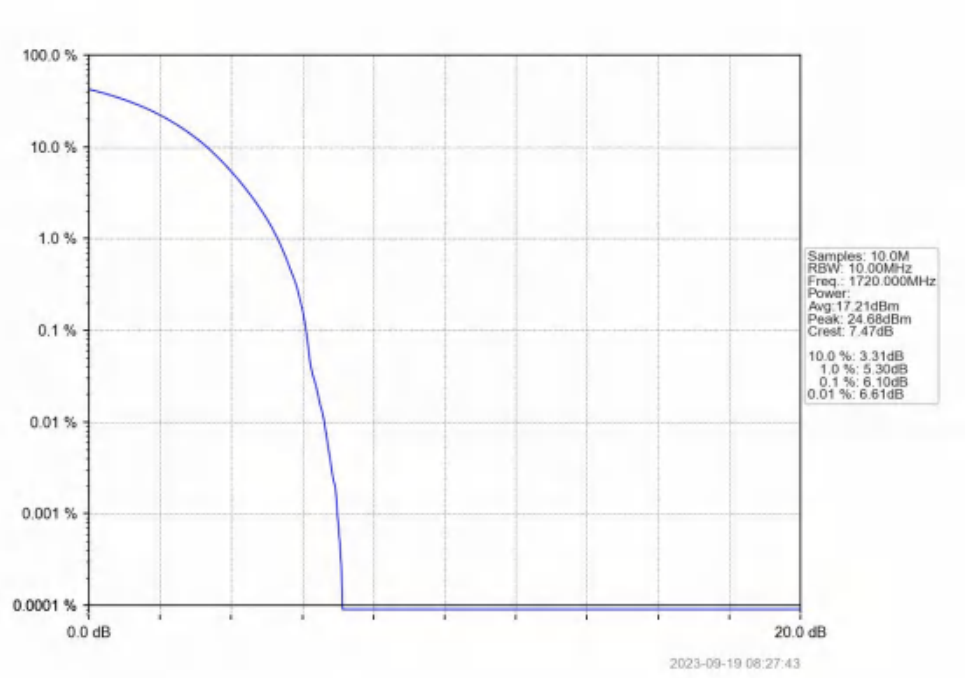
5.6 B4_20MHz

5.6.1 Test Result

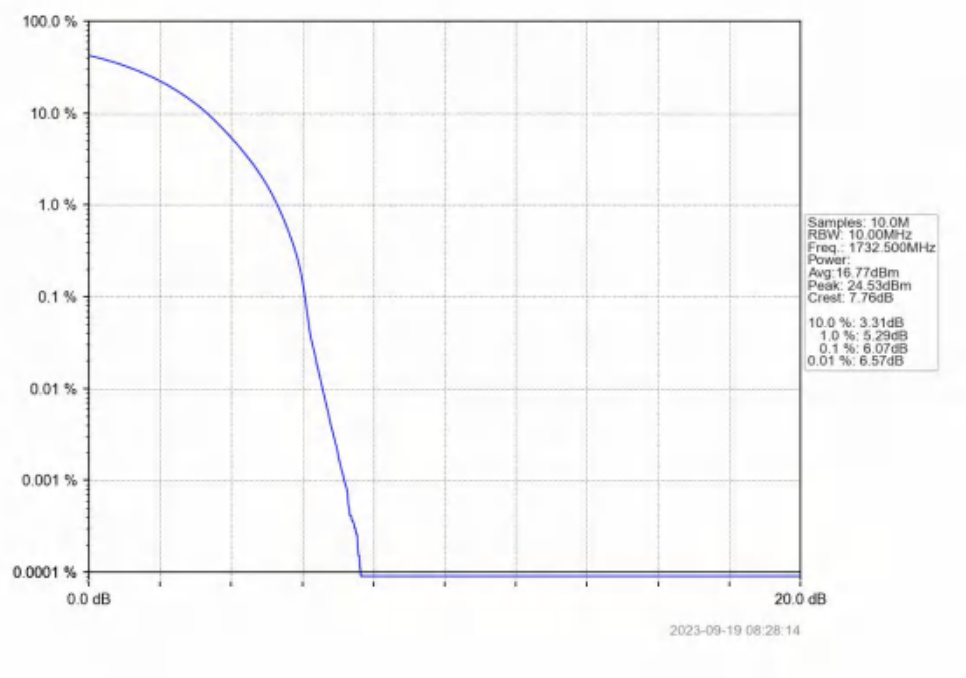
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	6.10	<=13	Pass
	1732.5	100	0	6.07	<=13	Pass
	1745	100	0	6.03	<=13	Pass
16QAM	1720	100	0	6.85	<=13	Pass
	1732.5	100	0	6.82	<=13	Pass
	1745	100	0	6.85	<=13	Pass

5.6.2 Test Graph

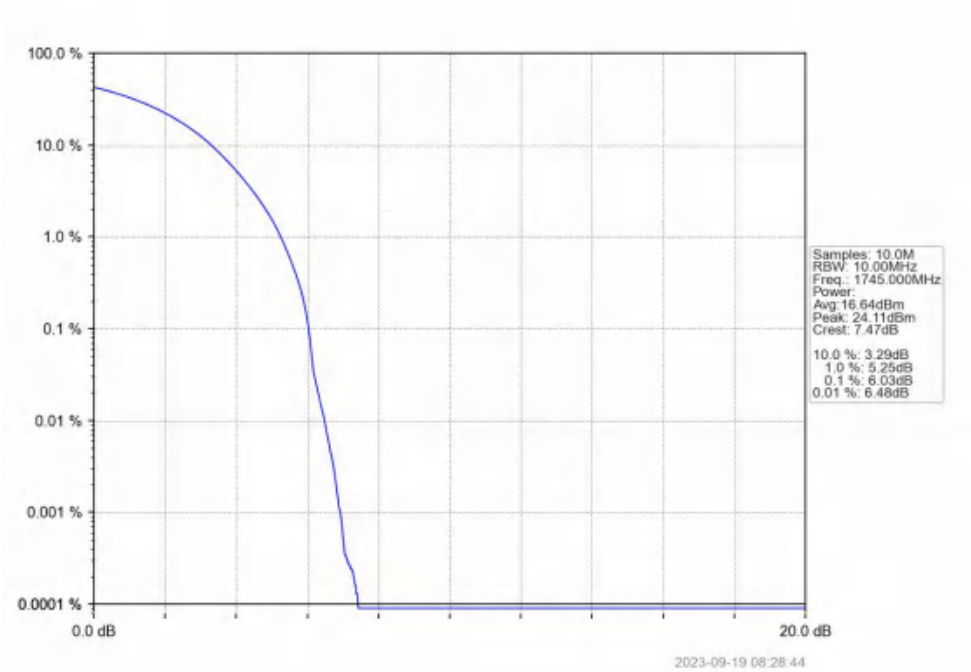
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



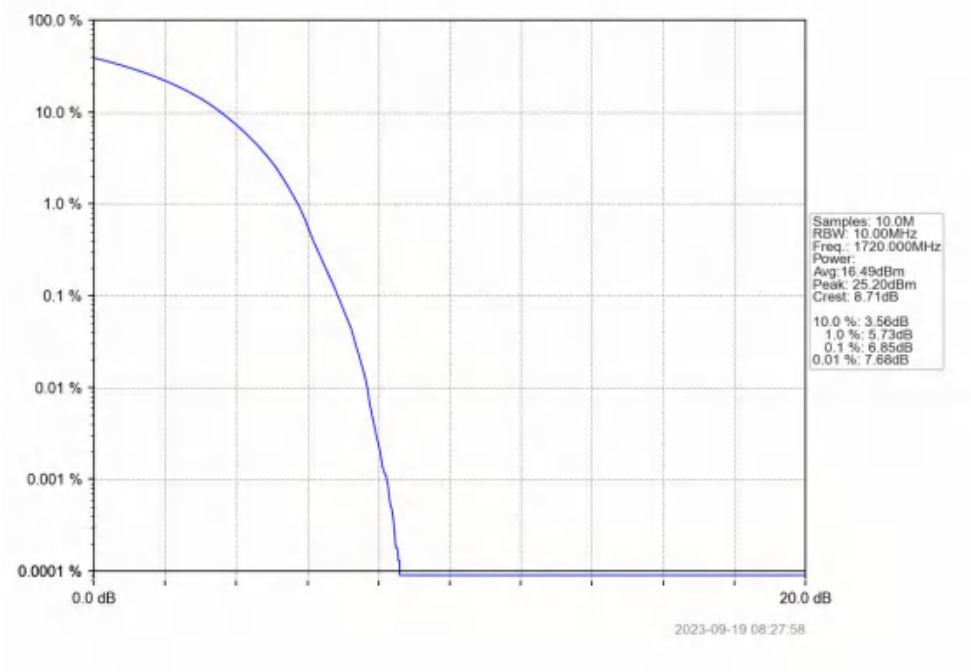
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



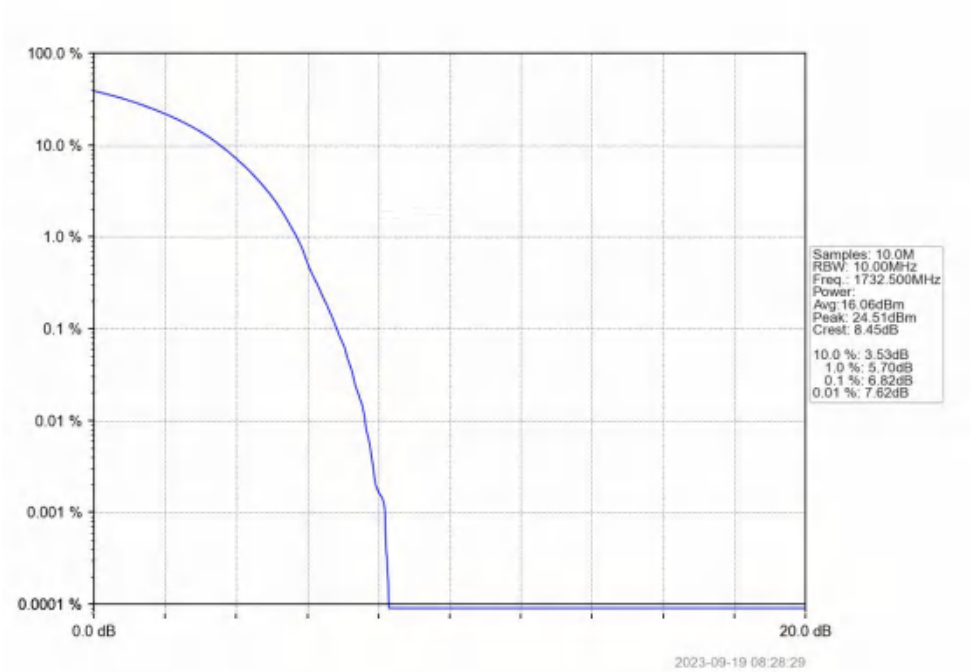
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



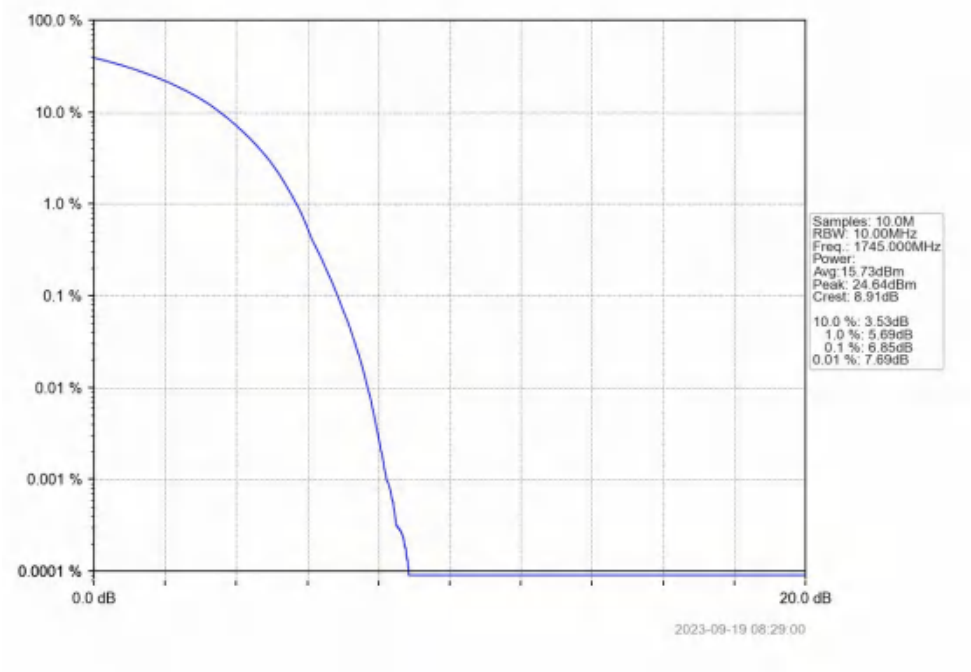
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



6. Spurious Emission

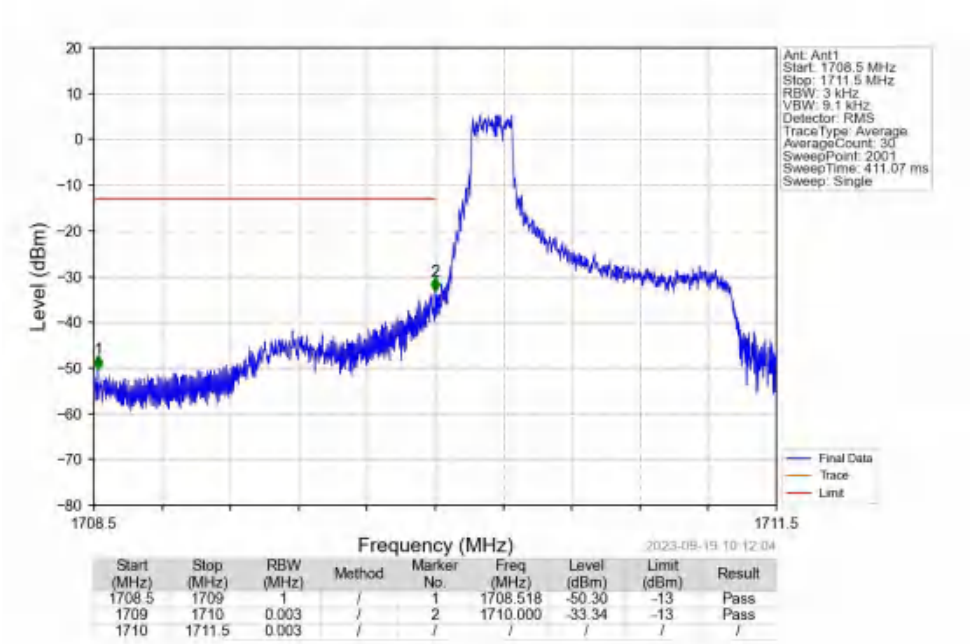
6.1 B4_1.4MHz

6.1.1 Test Result

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

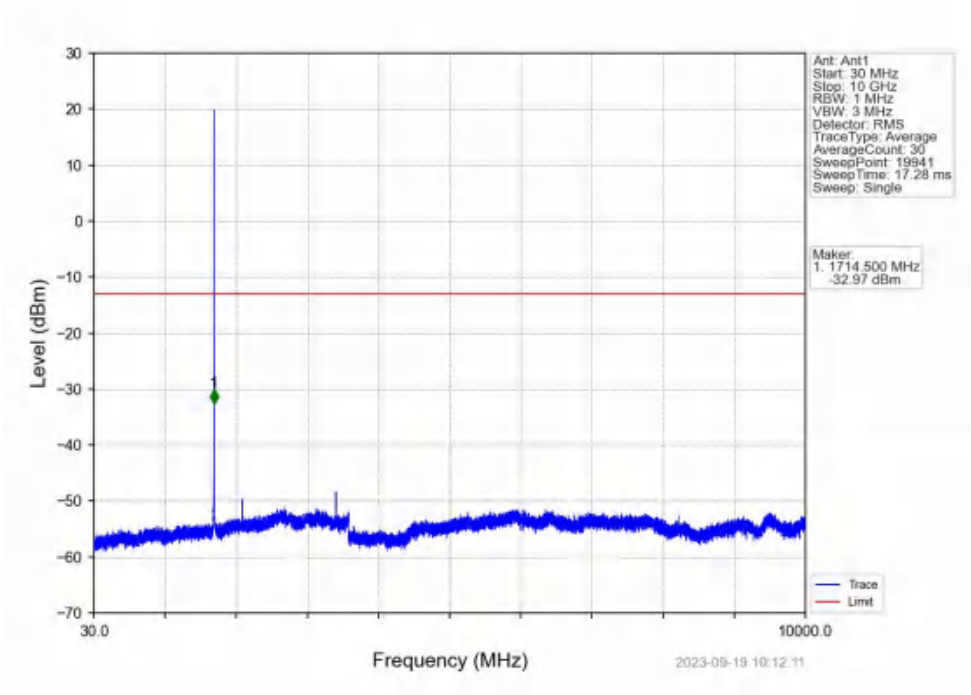
6.1.2 Test Graph

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

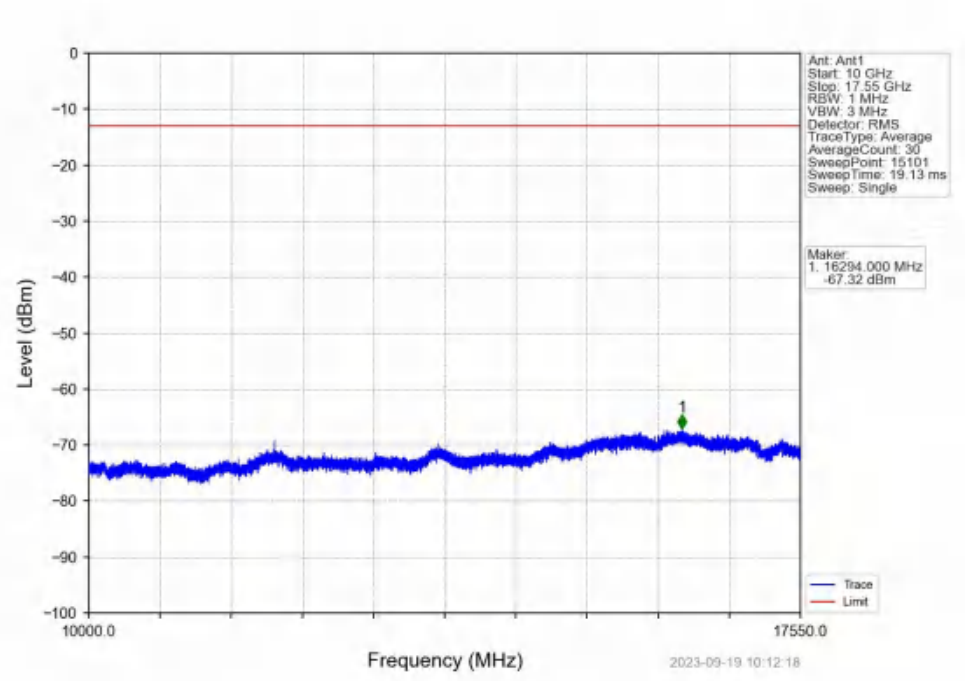


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.518	-50.30	-13	Pass
1709	1710	0.003	/	2	1710.000	-33.34	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

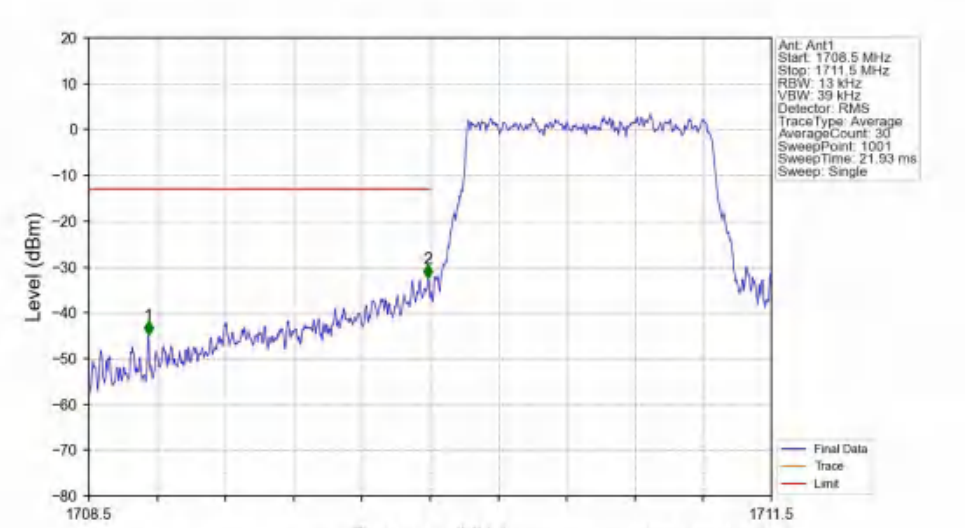
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



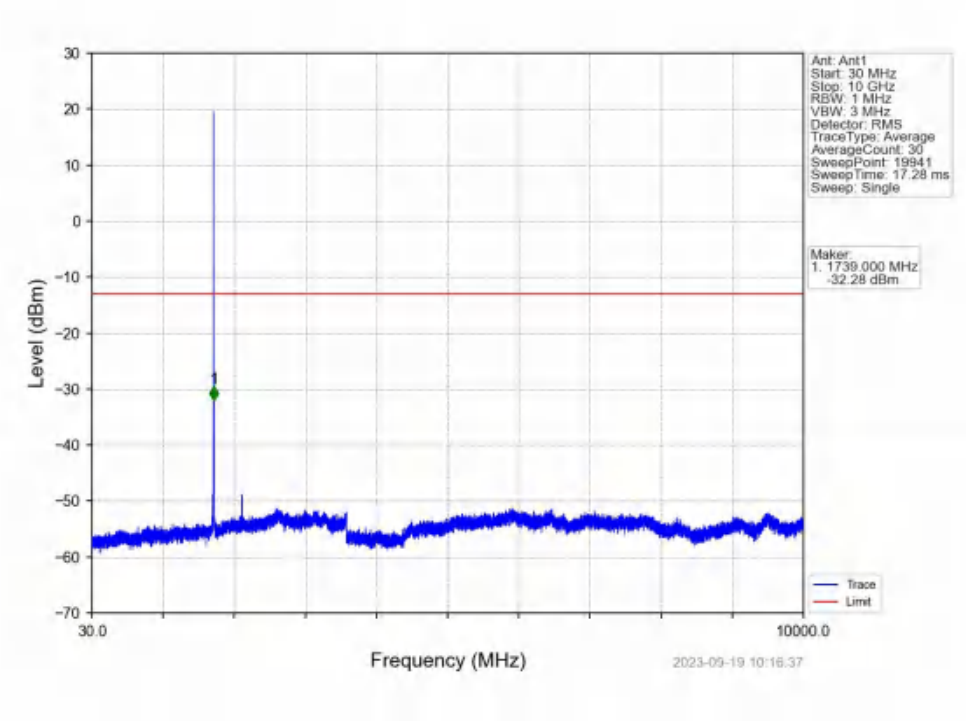
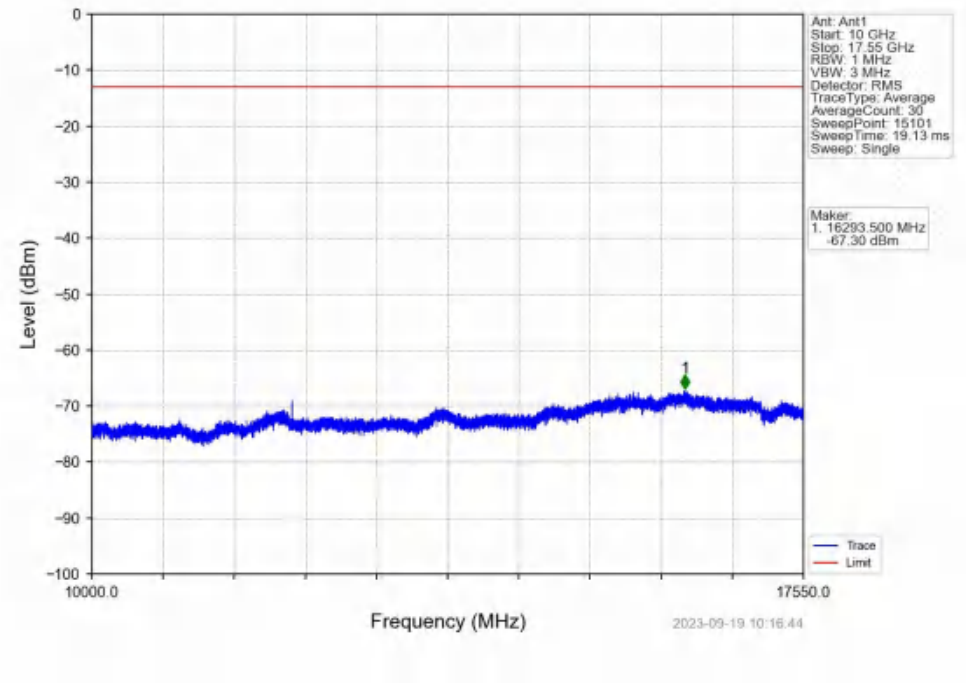
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



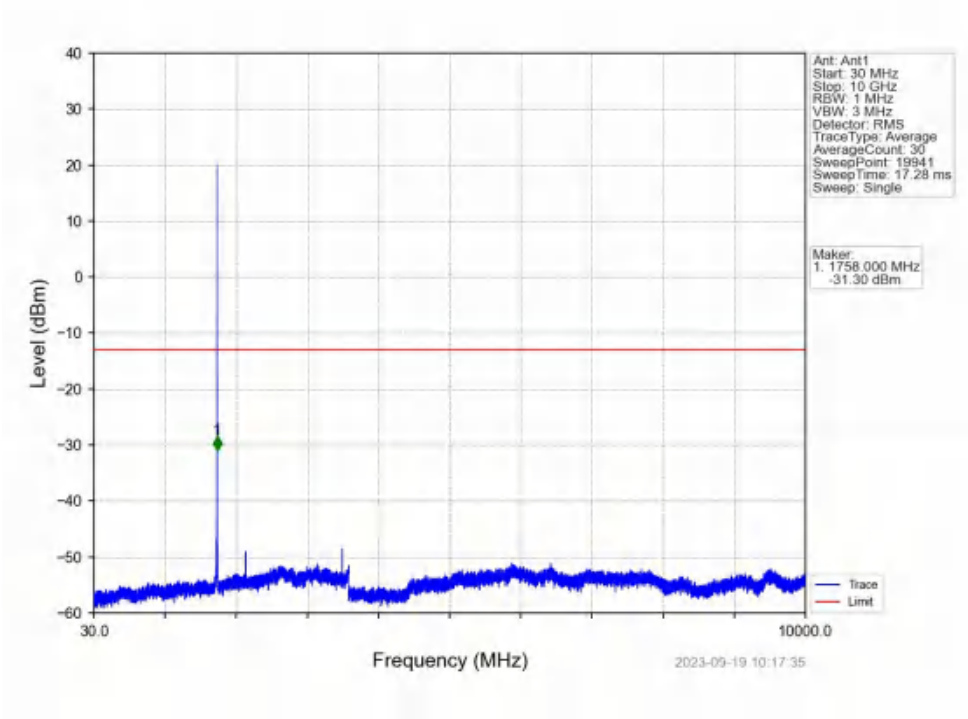
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



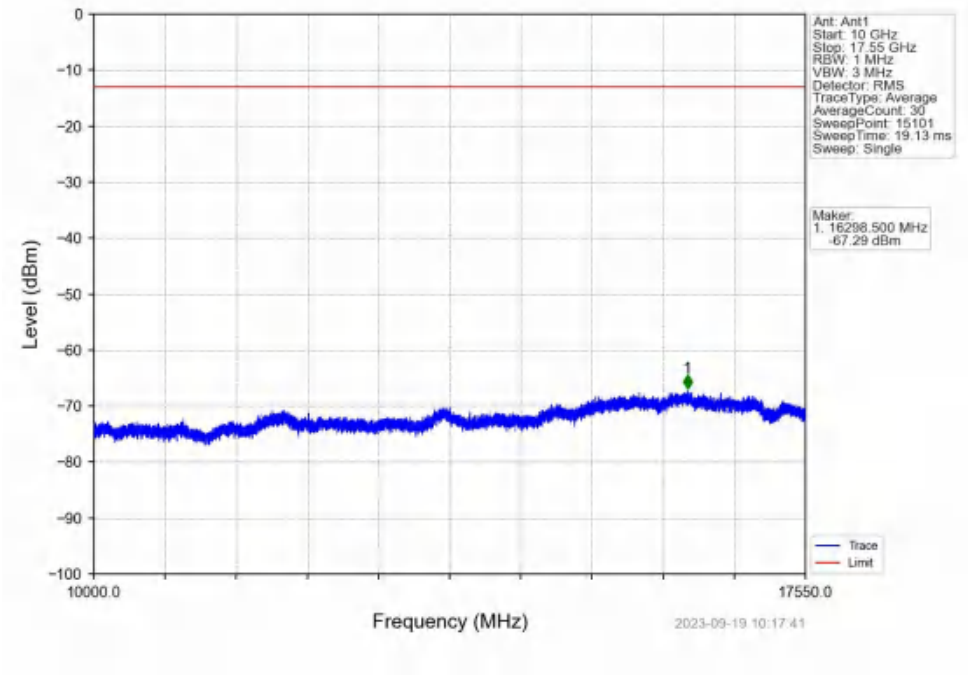
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.761	-44.86	-13	Pass
1709	1710	0.013	/	2	1709.991	-32.54	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV


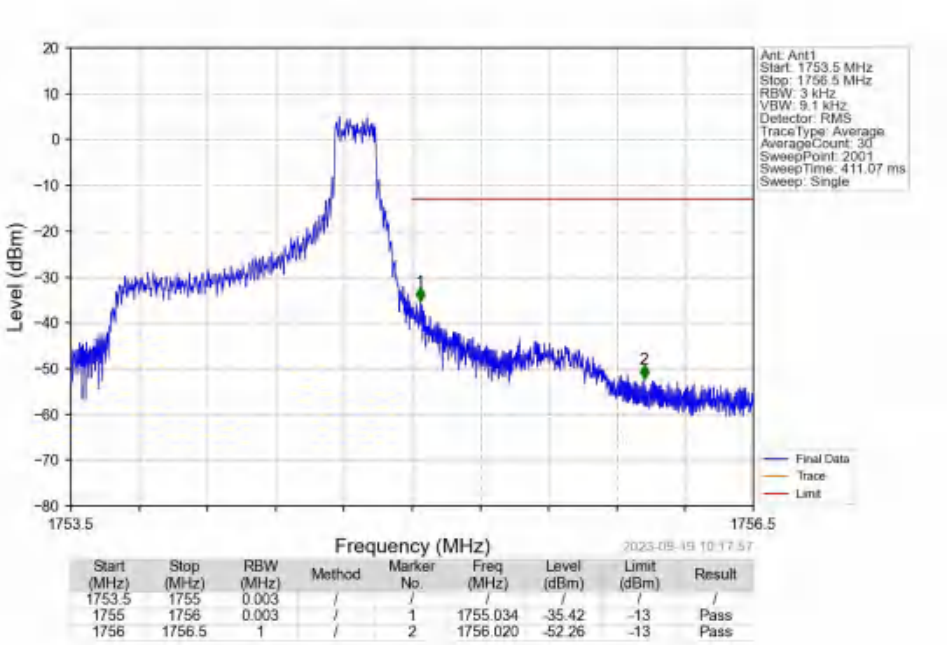
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

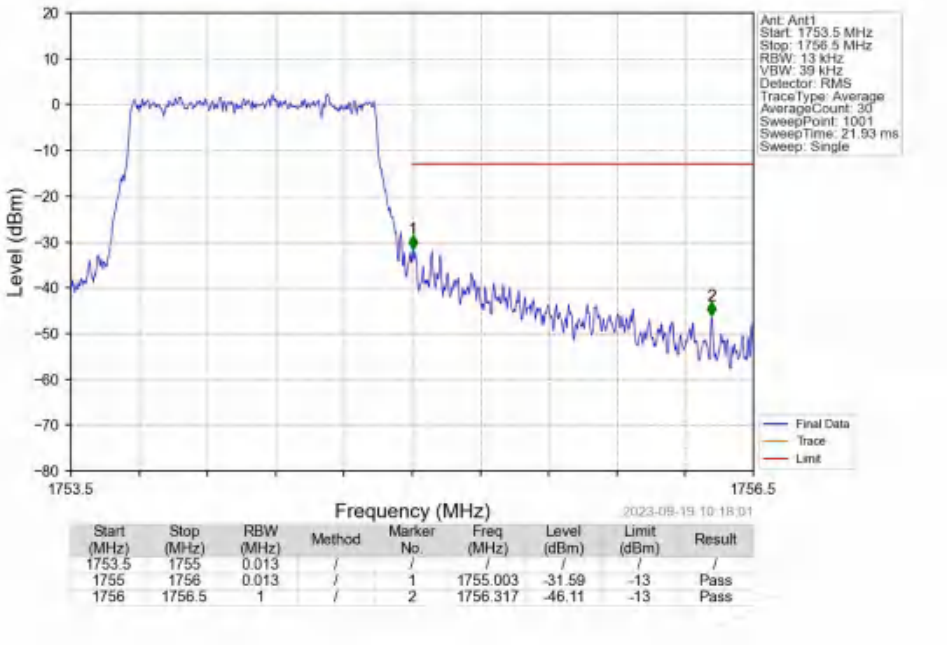


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



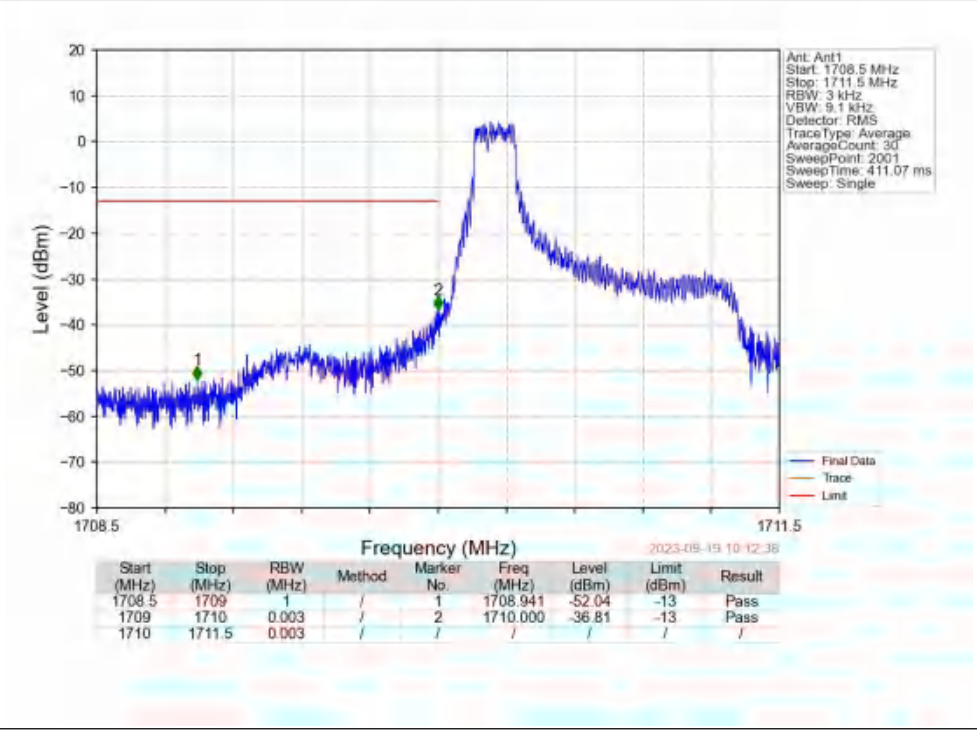
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.034	-35.42	-13	Pass
1756	1756.5	1	/	2	1756.020	-52.26	-13	Pass

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



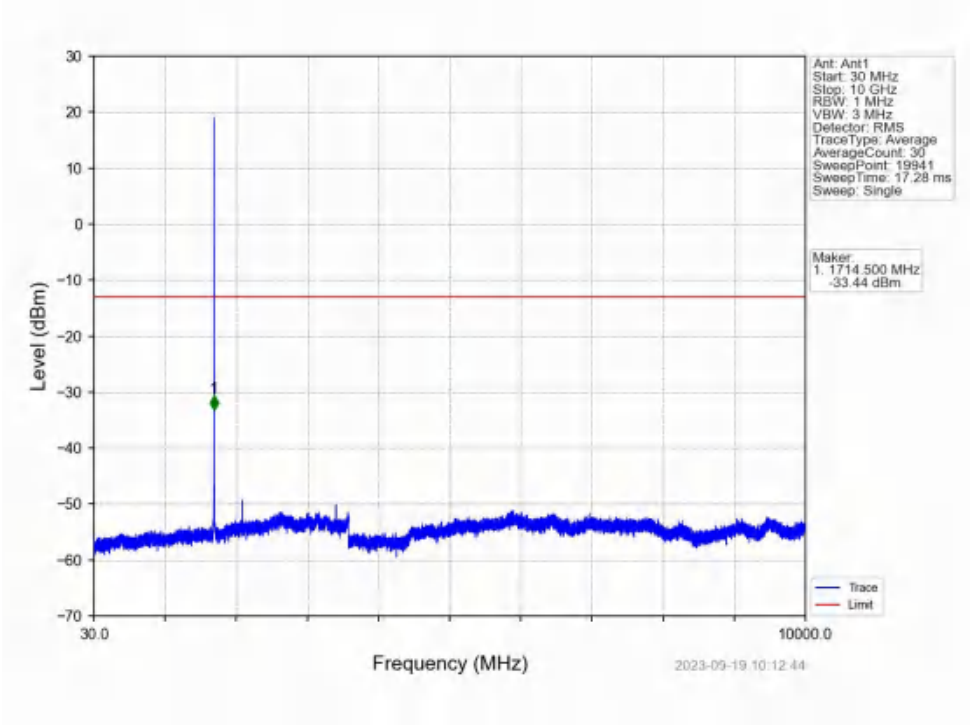
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	/	/	/	/	/
1755	1756	0.013	/	1	1755.003	-31.59	-13	Pass
1756	1756.5	1	/	2	1756.317	-46.11	-13	Pass

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

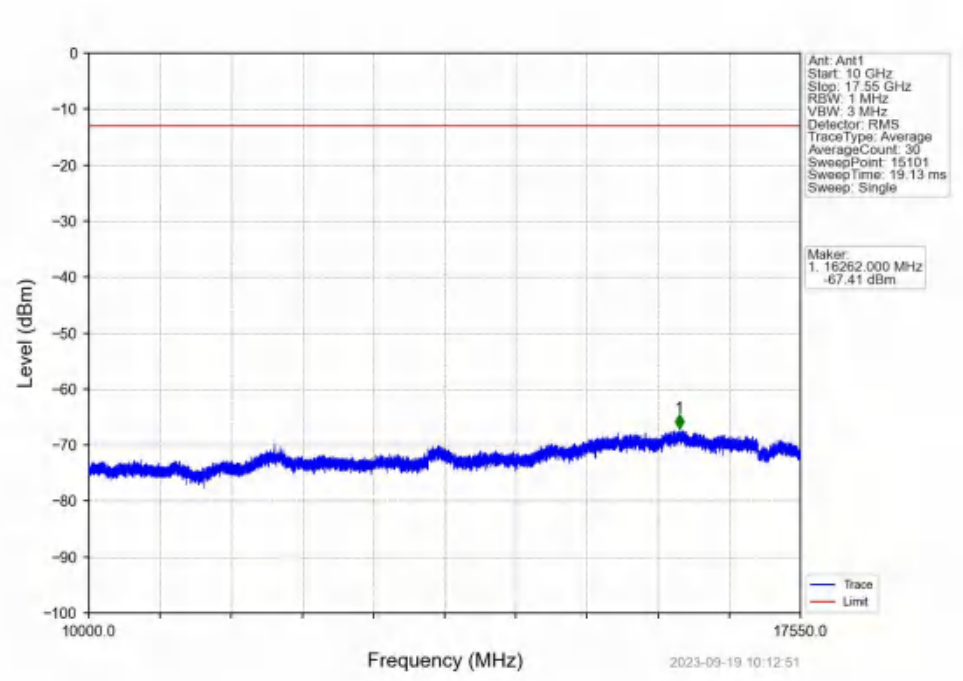


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.941	-52.04	-13	Pass
1709	1710	0.003	/	2	1710.000	-36.81	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

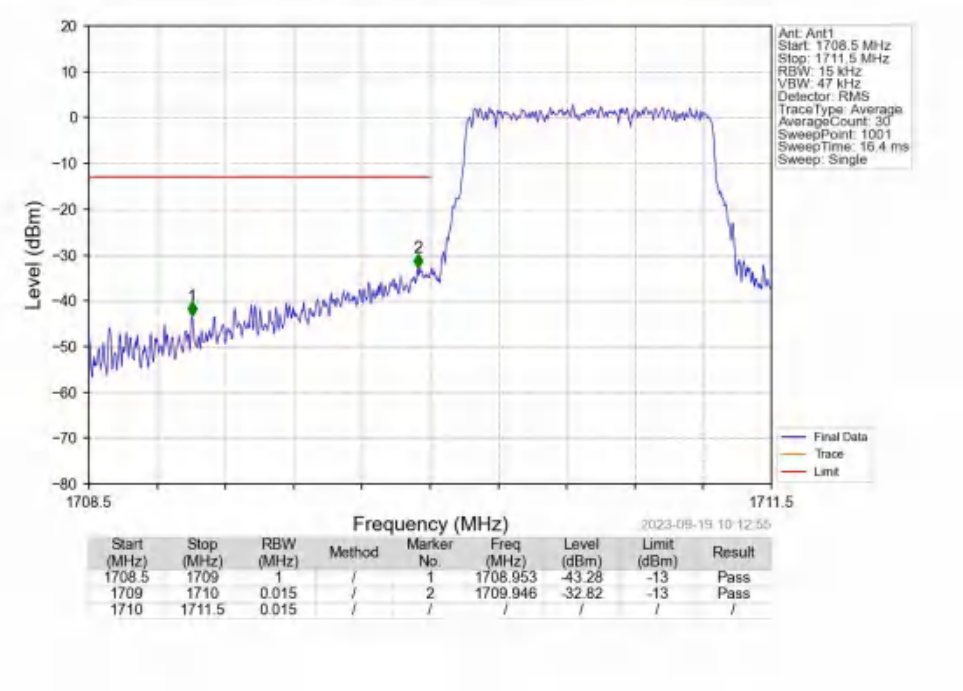
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

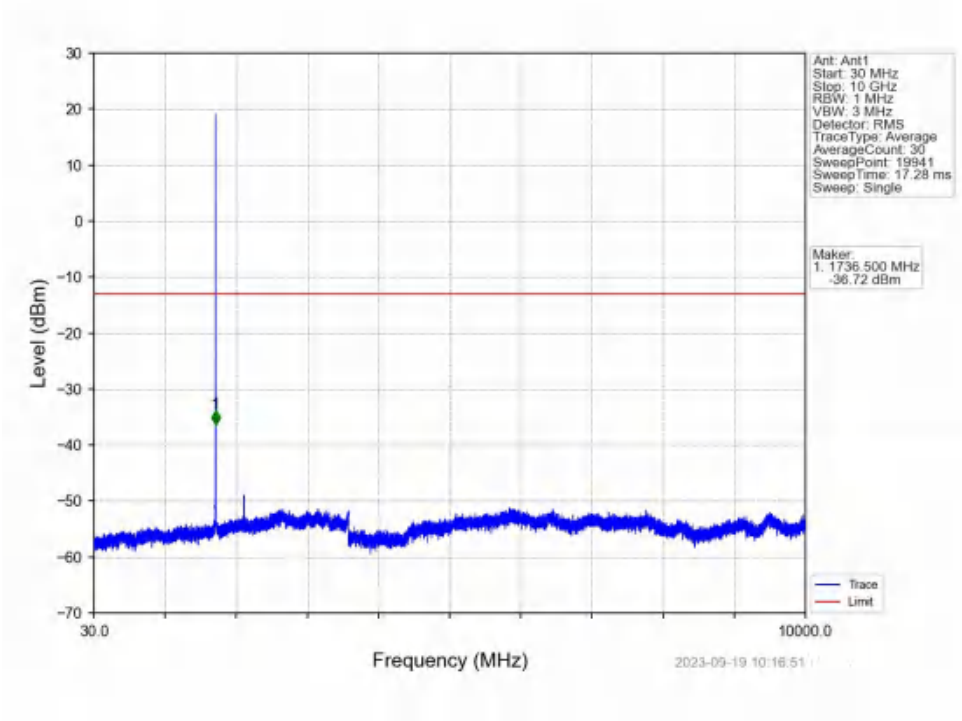


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

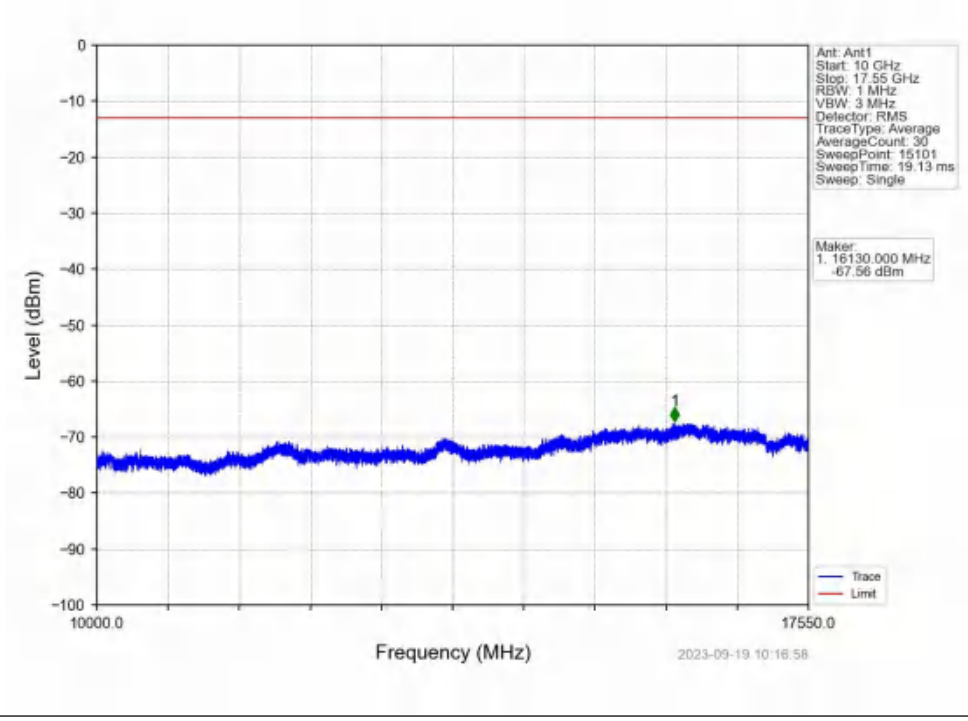


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.953	-43.28	-13	Pass
1709	1710	0.015	/	2	1709.946	-32.82	-13	Pass
1710	1711.5	0.015	/	/	/	/	/	/

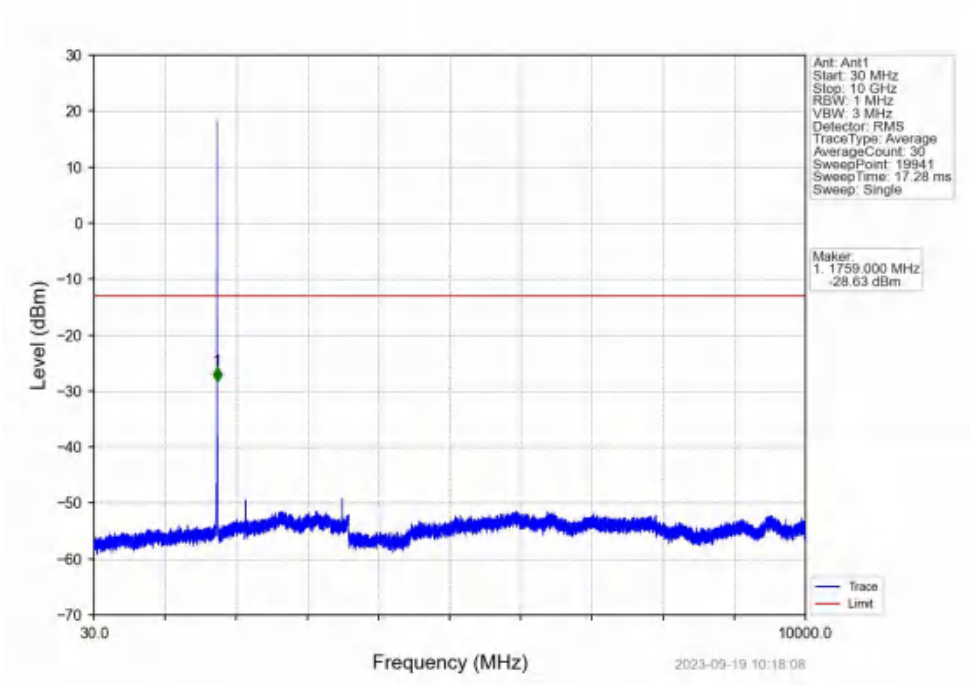
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



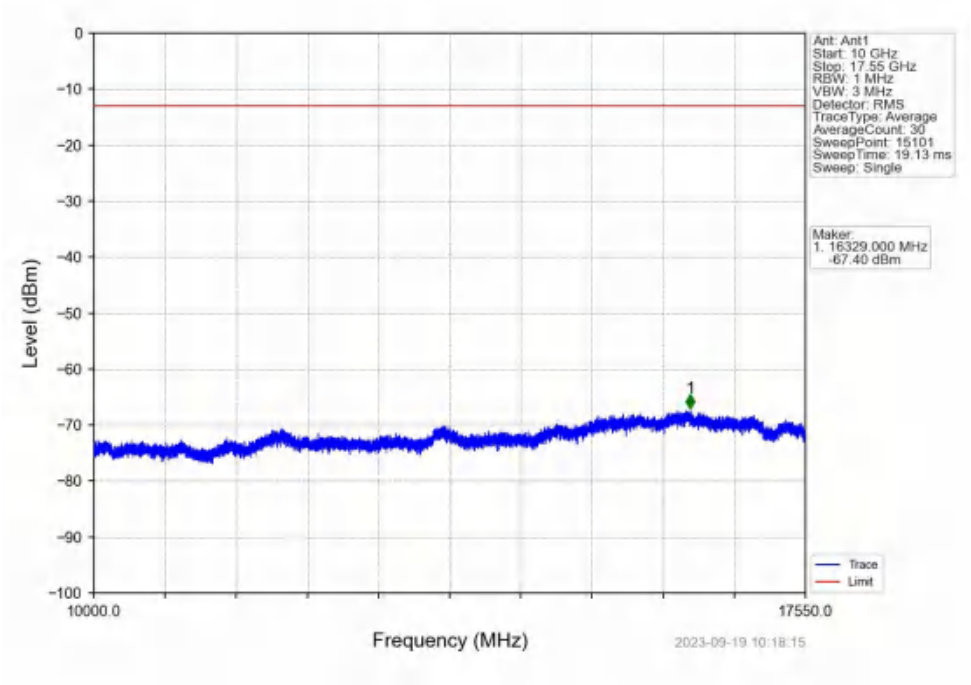
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



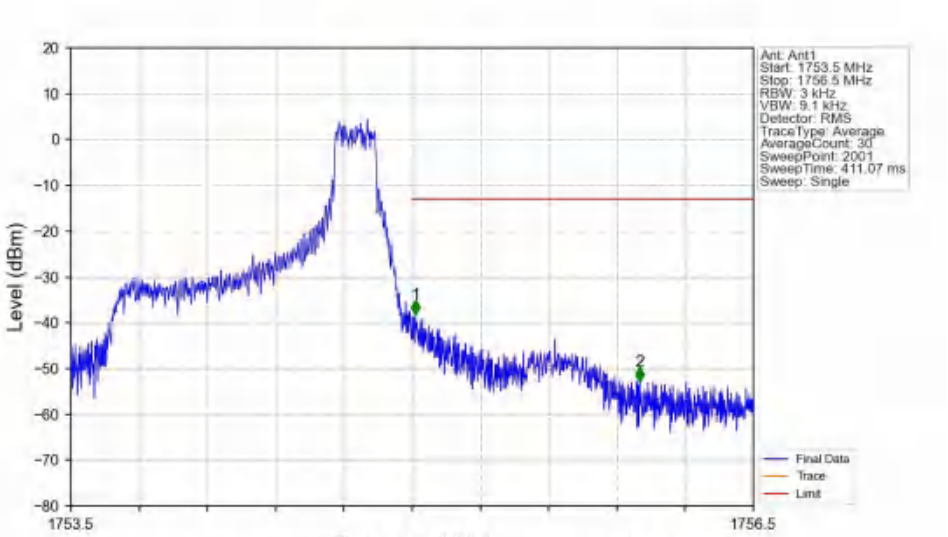
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

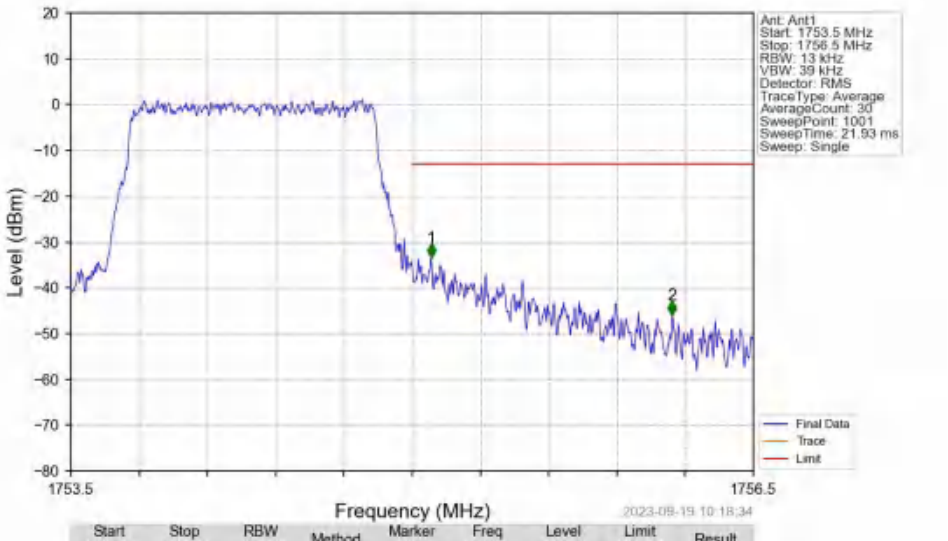


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.015	-38.17	-13	Pass
1756	1756.5	1	/	2	1756.001	-52.82	-13	Pass

Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	/	/	/	/	/
1755	1756	0.013	/	1	1755.084	-33.43	-13	Pass
1756	1756.5	1	/	2	1756.143	-45.98	-13	Pass

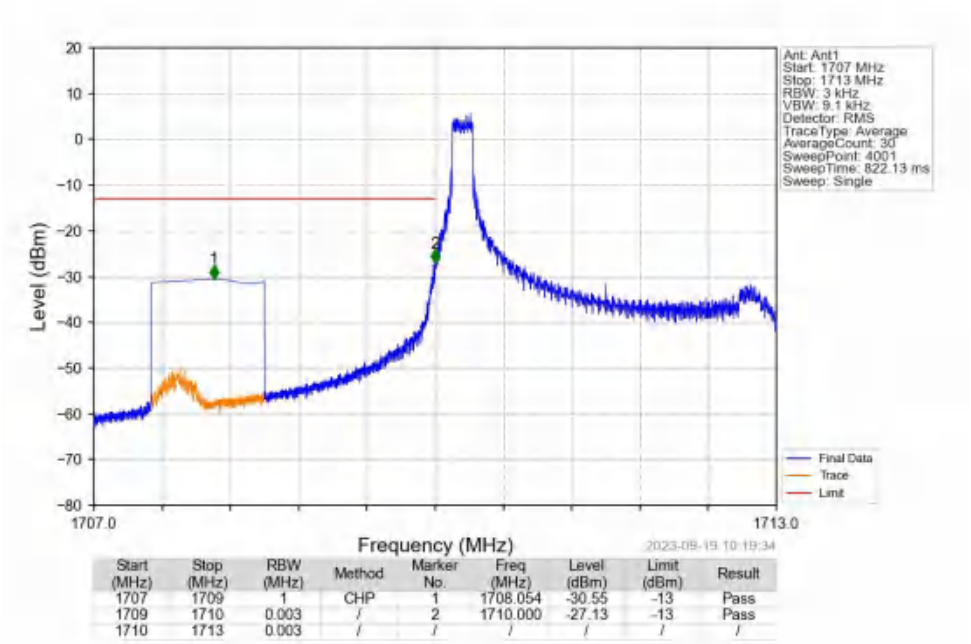
6.2 B4_3MHz

6.2.1 Test Result

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

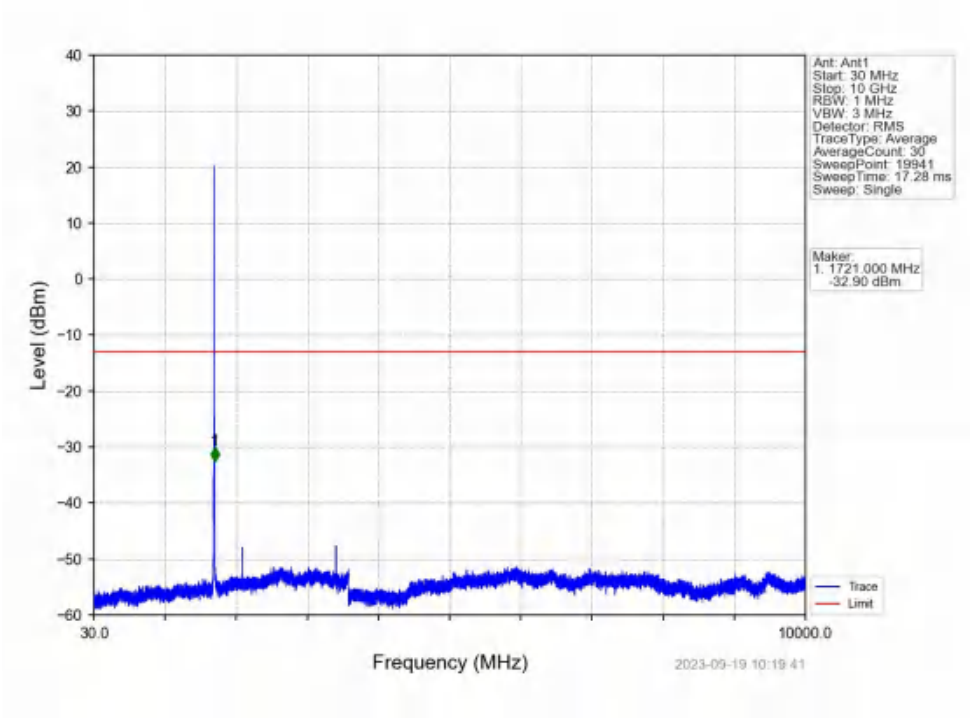
6.2.2 Test Graph

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

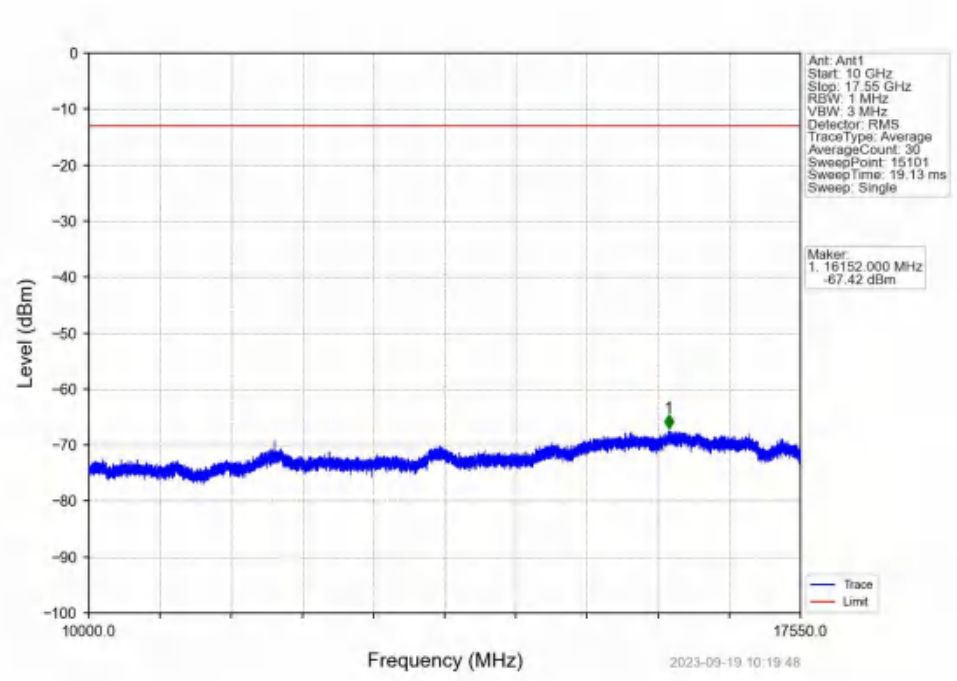


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.054	-30.55	-13	Pass
1709	1710	0.003	/	2	1710.000	-27.13	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

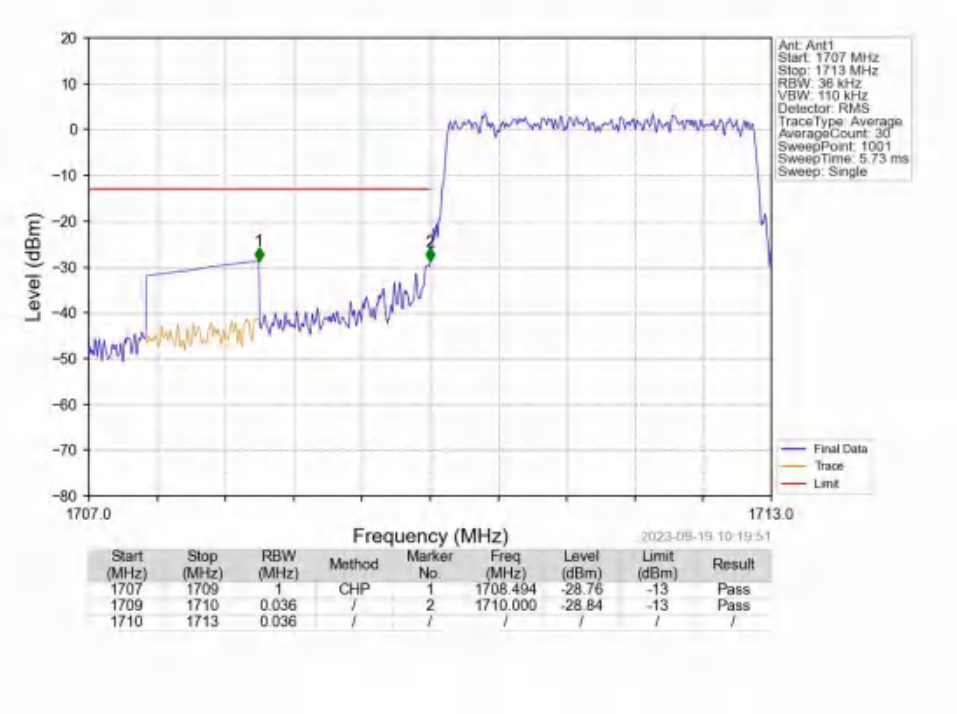
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

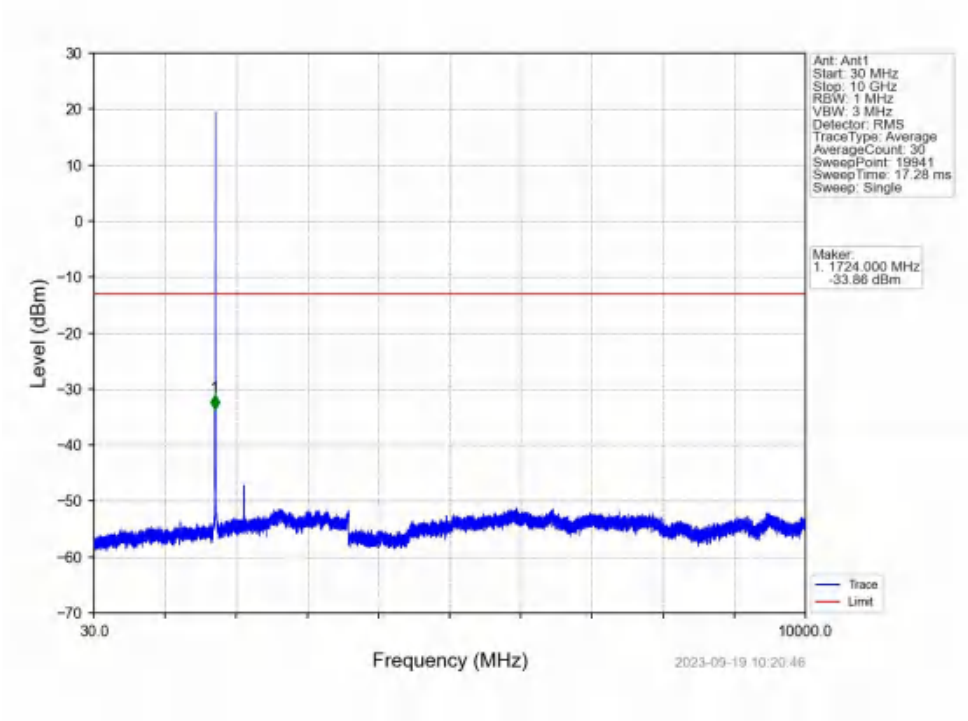


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

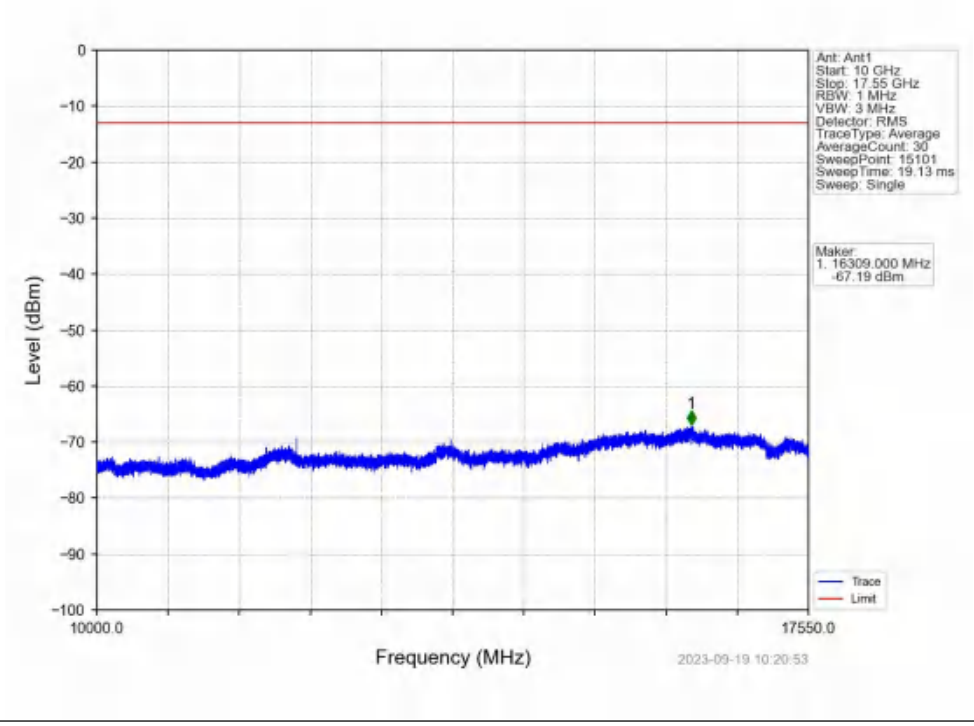


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-28.76	-13	Pass
1709	1710	0.036	/	2	1710.000	-28.84	-13	Pass
1710	1713	0.036	/	/	/	/	/	/

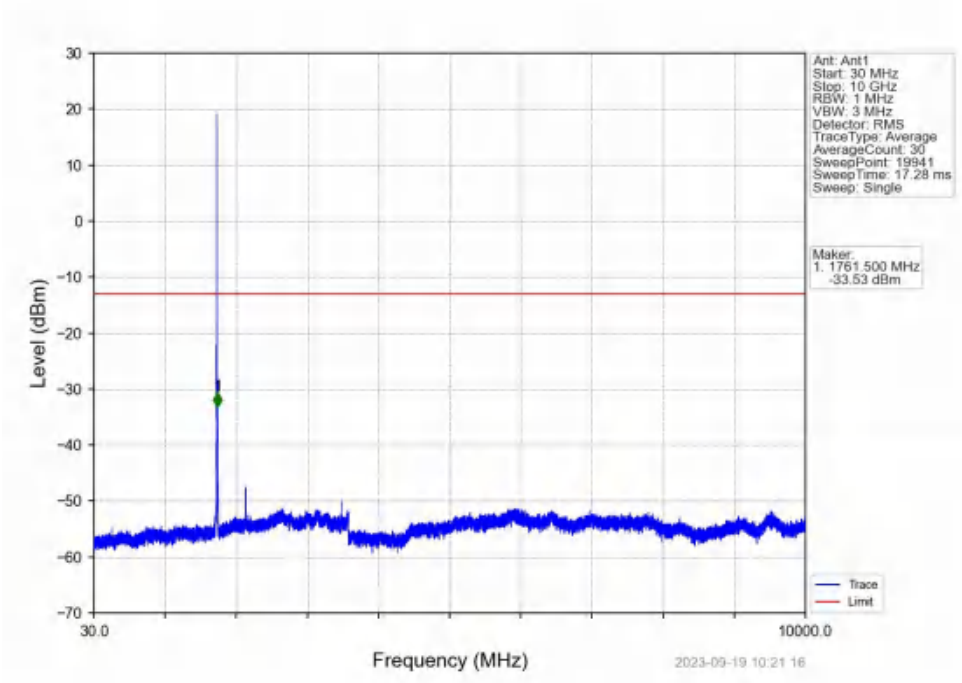
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



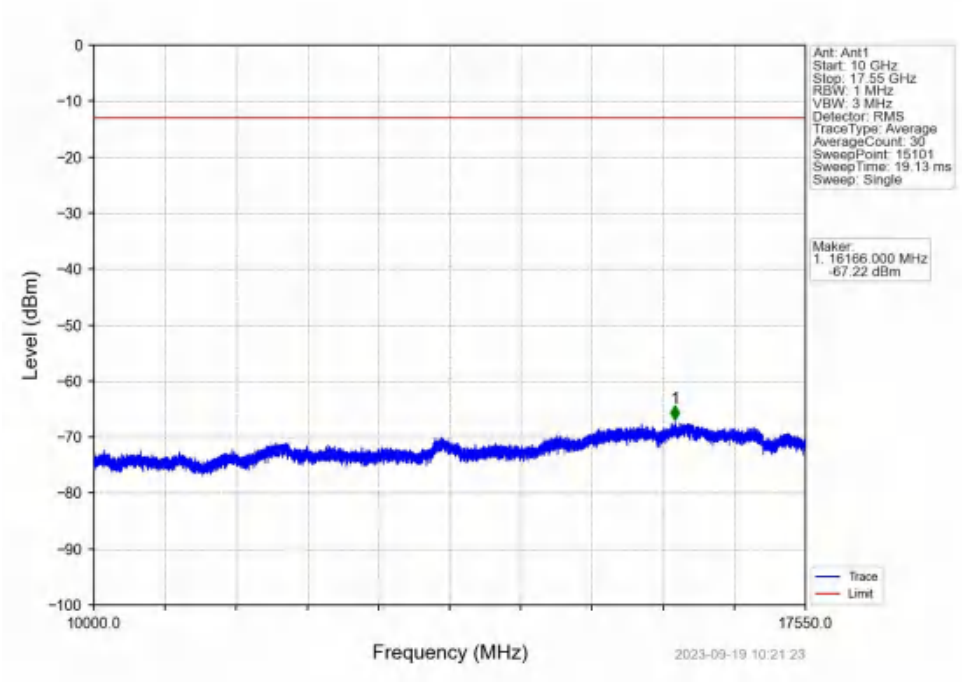
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



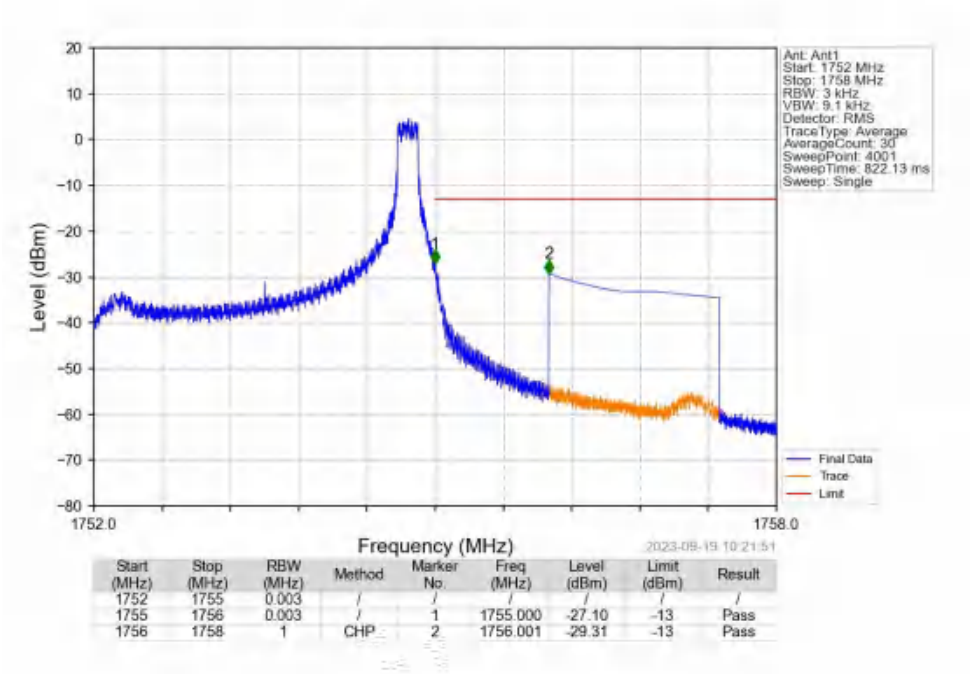
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

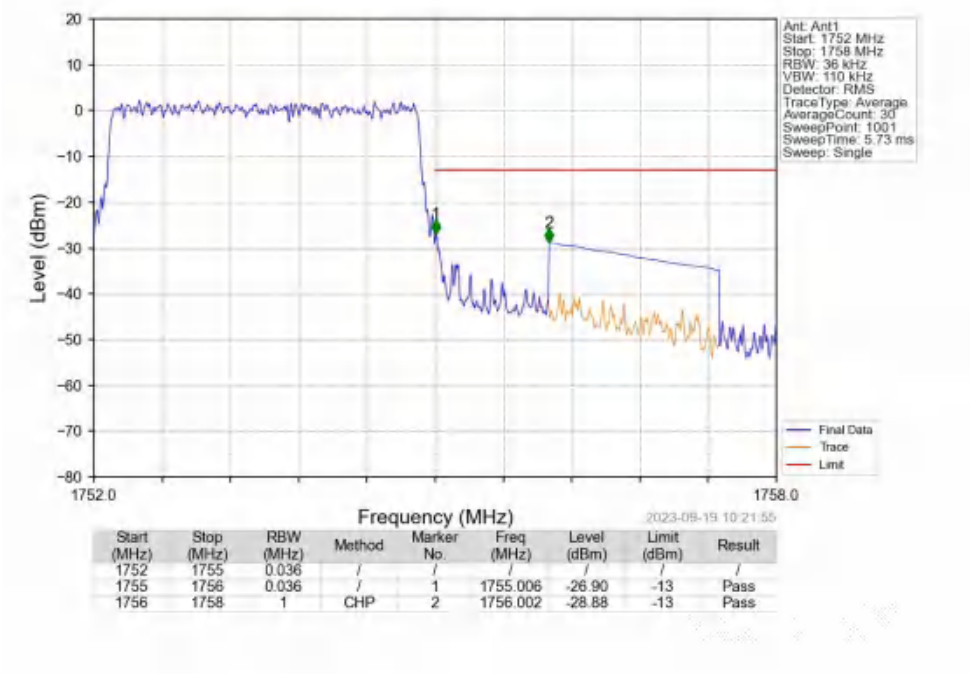


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



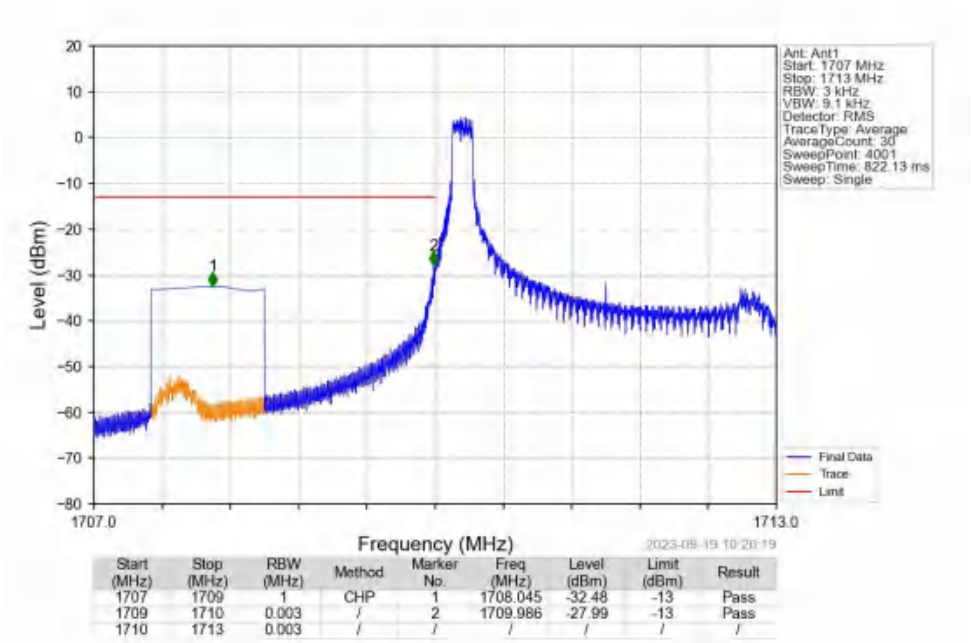
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-27.10	-13	Pass
1756	1758	1	CHP	2	1756.001	-29.31	-13	Pass

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



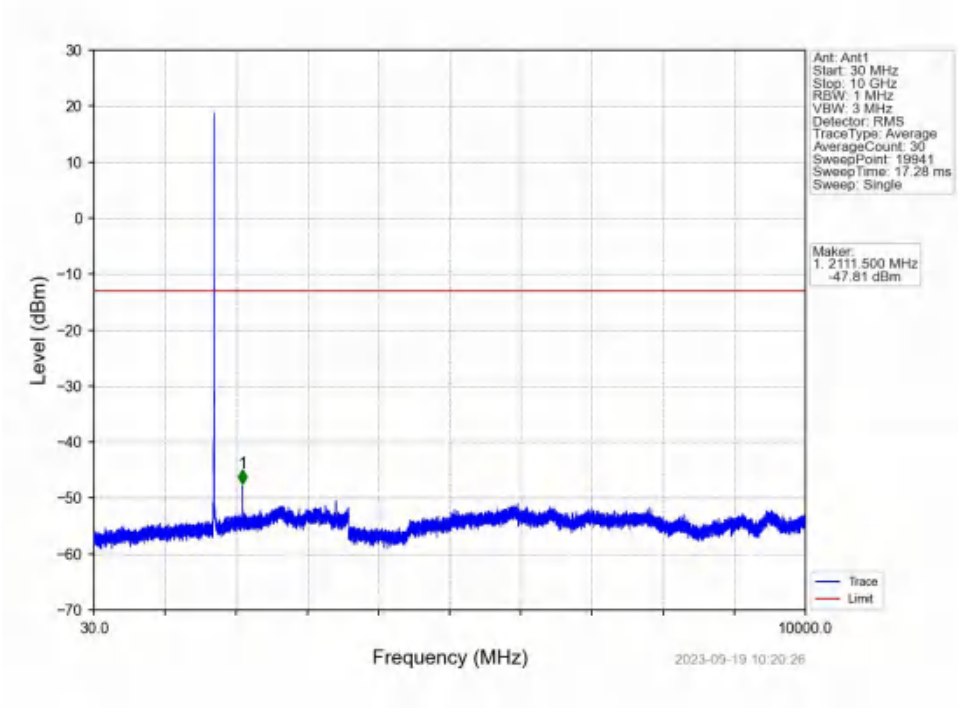
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.036	/	/	/	/	/	/
1755	1756	0.036	/	1	1755.006	-26.90	-13	Pass
1756	1758	1	CHP	2	1756.002	-28.88	-13	Pass

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

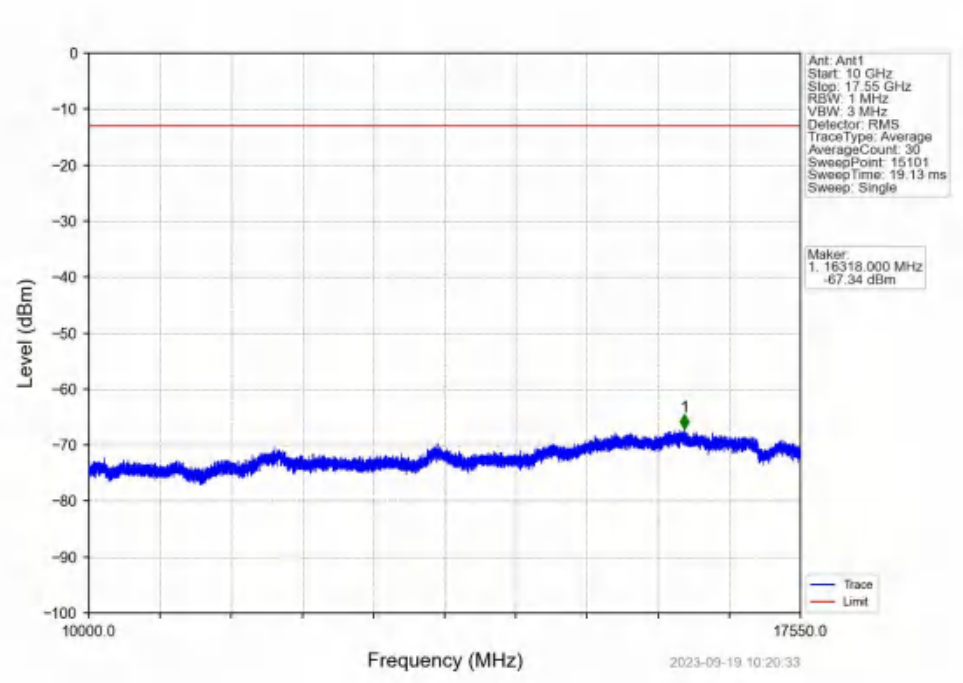


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.045	-32.48	-13	Pass
1709	1710	0.003	/	2	1709.986	-27.99	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

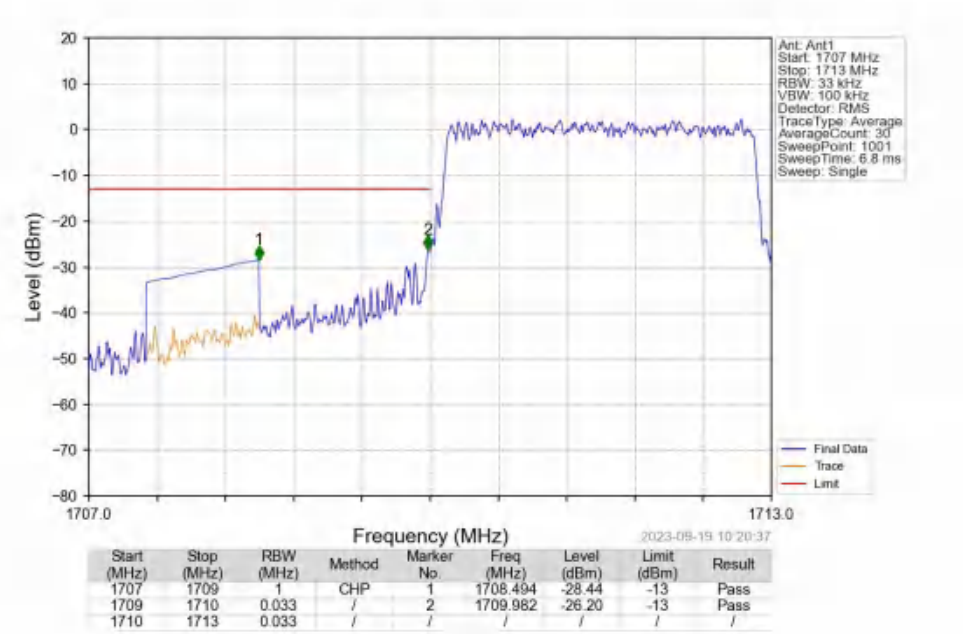
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

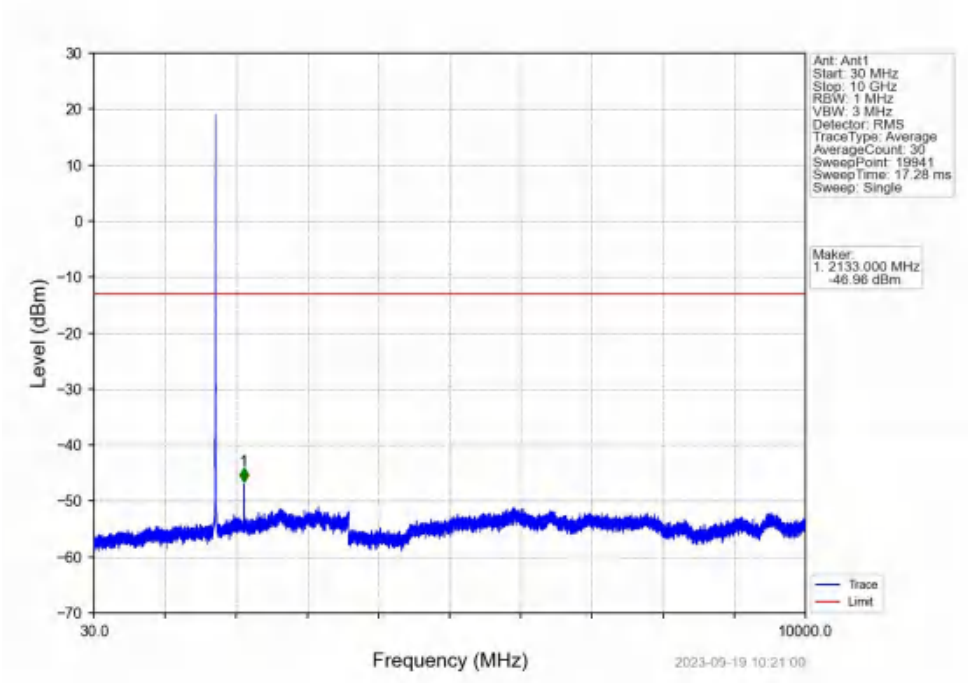


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

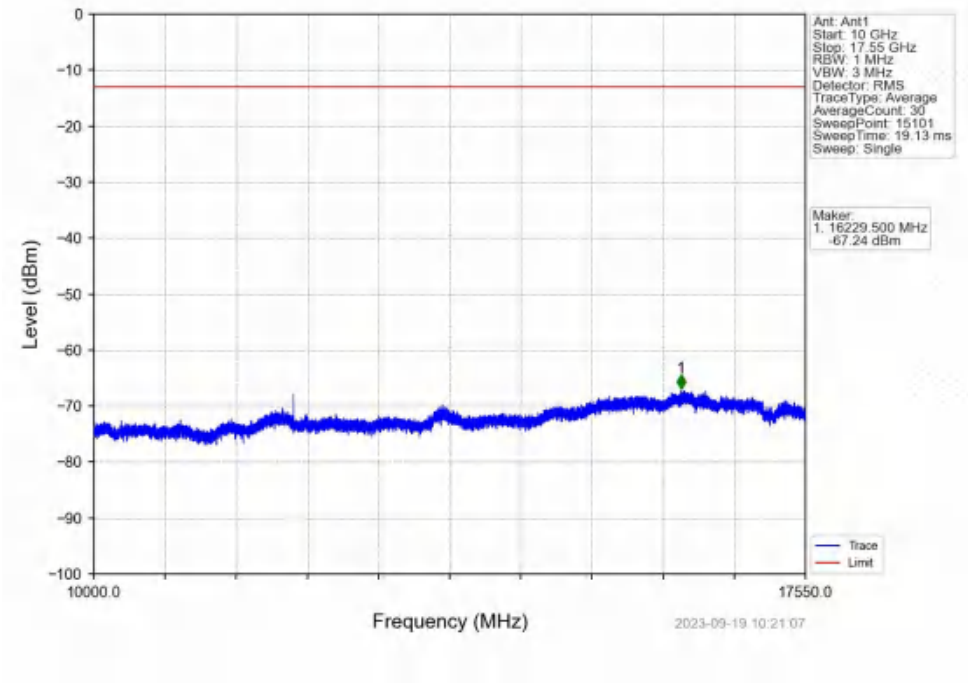


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-28.44	-13	Pass
1709	1710	0.033	/	2	1709.982	-26.20	-13	Pass
1710	1713	0.033	/	/	/	/	/	/

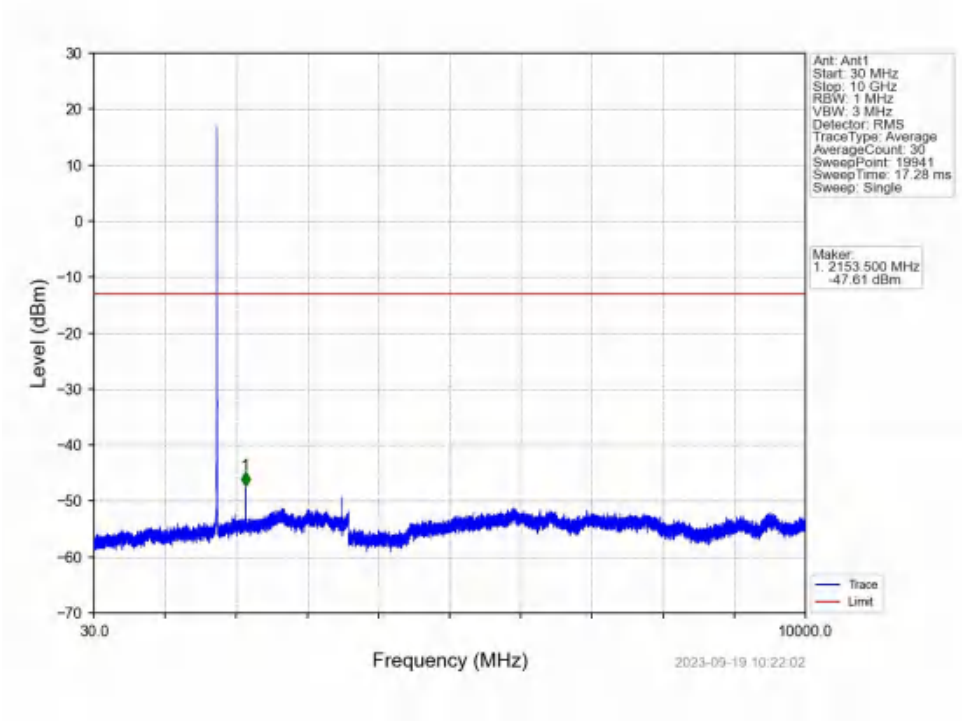
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



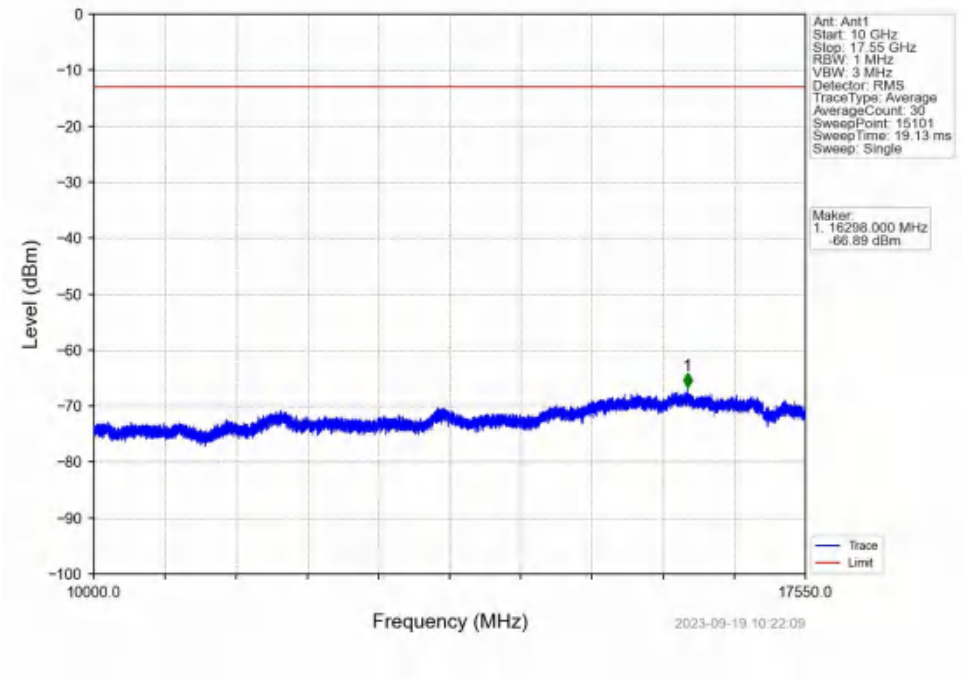
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



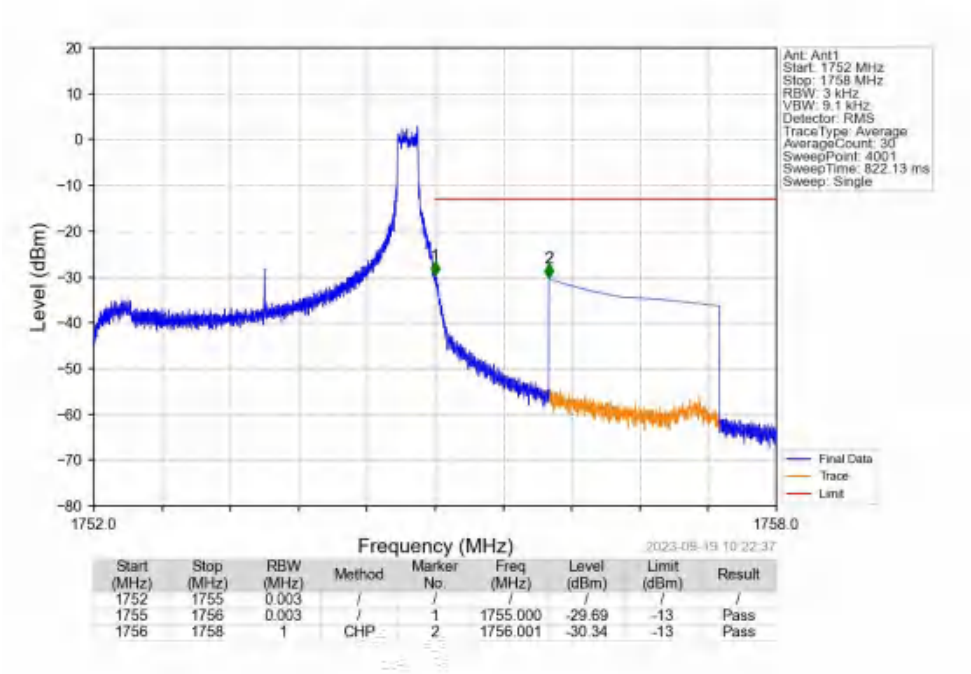
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV

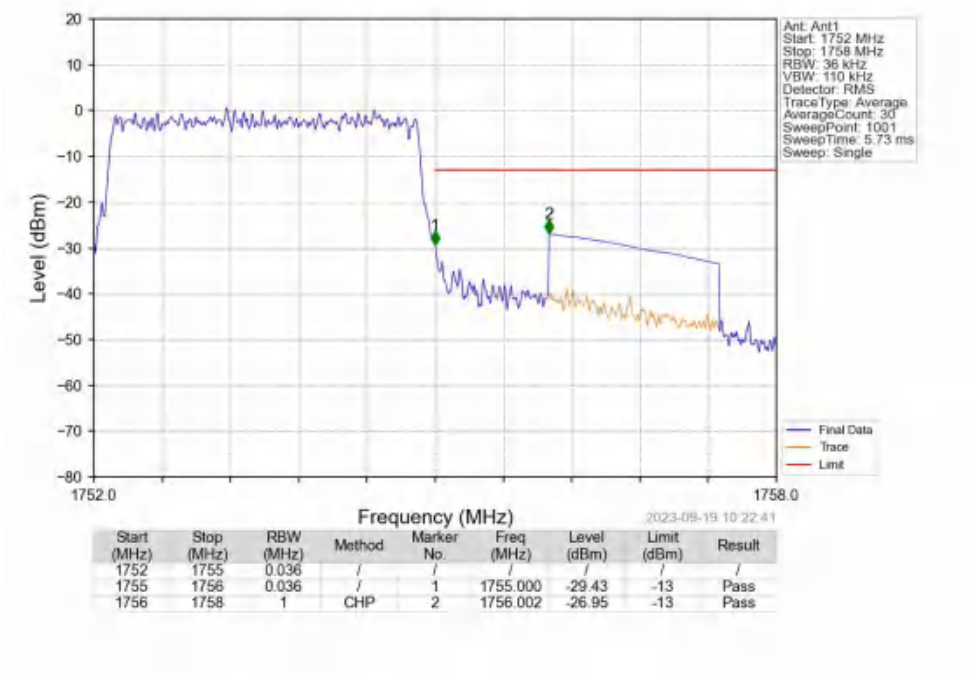


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-29.69	-13	Pass
1756	1758	1	CHP	2	1756.001	-30.34	-13	Pass

Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.036	/	/	/	/	/	/
1755	1756	0.036	/	1	1755.000	-29.43	-13	Pass
1756	1758	1	CHP	2	1756.002	-26.95	-13	Pass

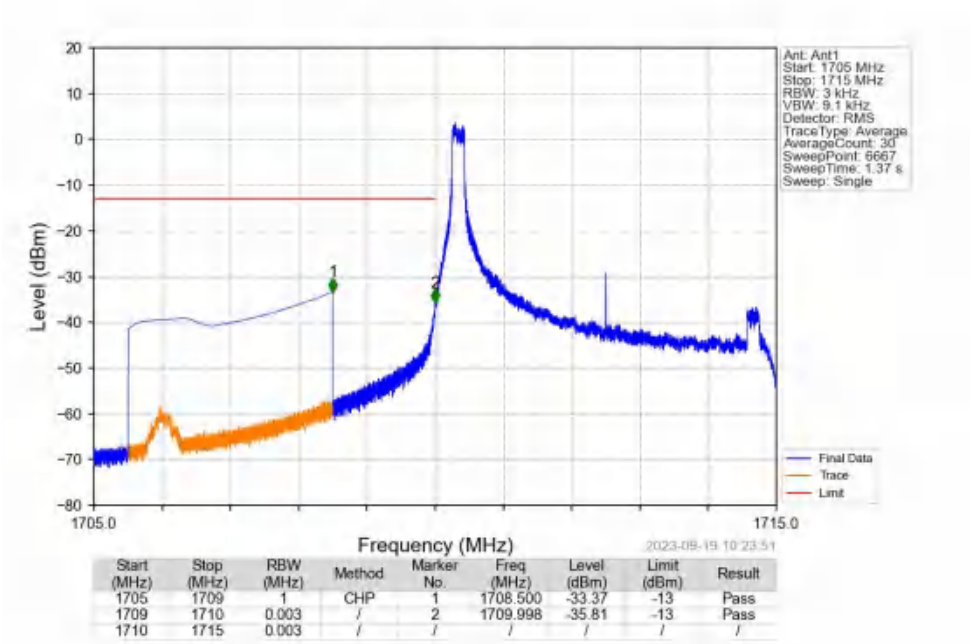
6.3 B4_5MHz

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

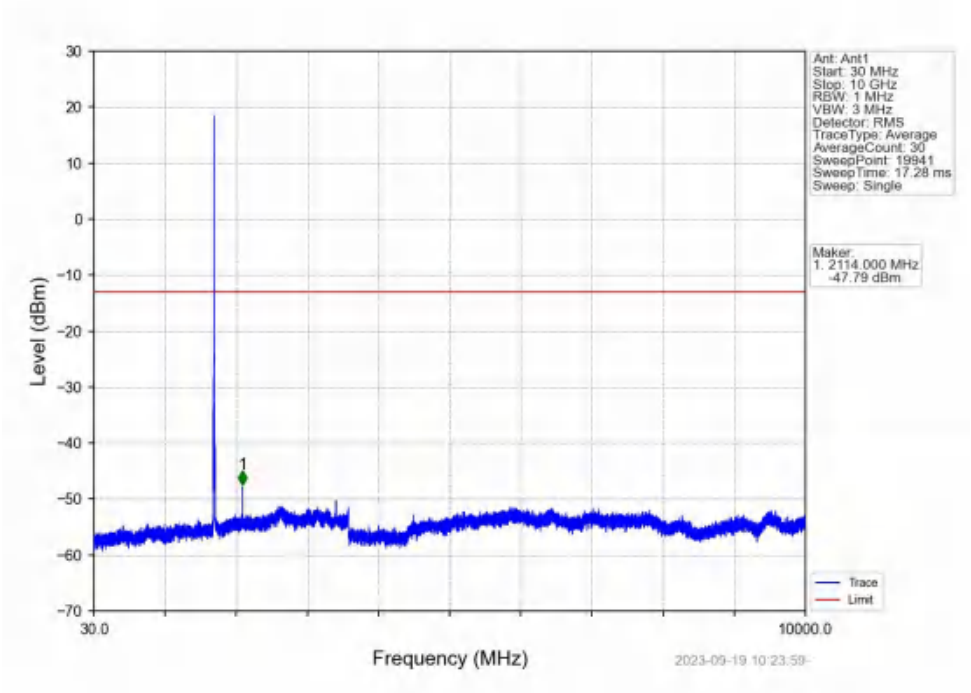
6.3.2 Test Graph

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

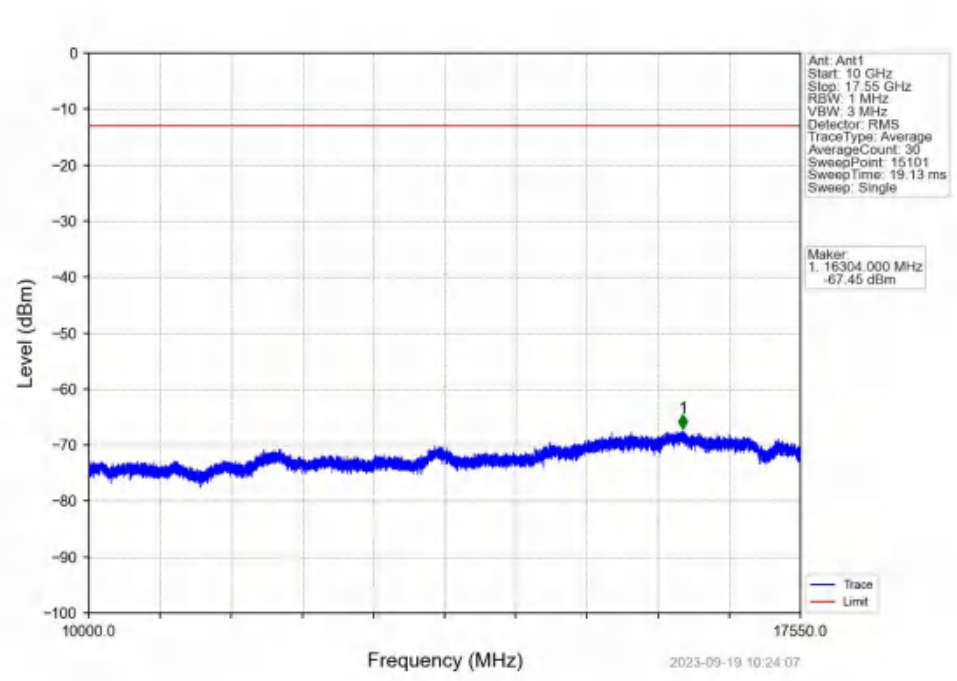


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-33.37	-13	Pass
1709	1710	0.003	/	2	1709.998	-35.81	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

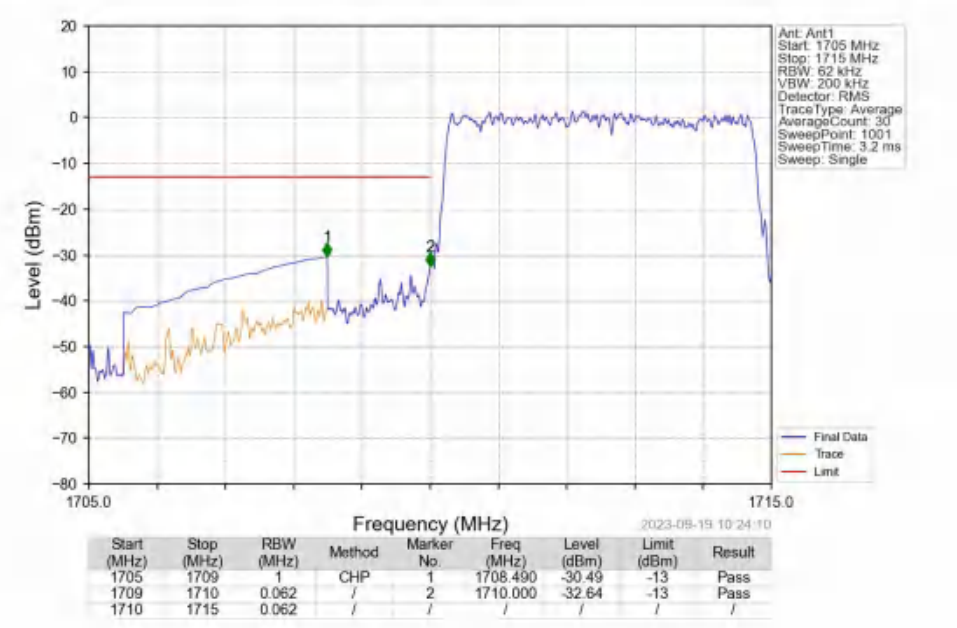
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

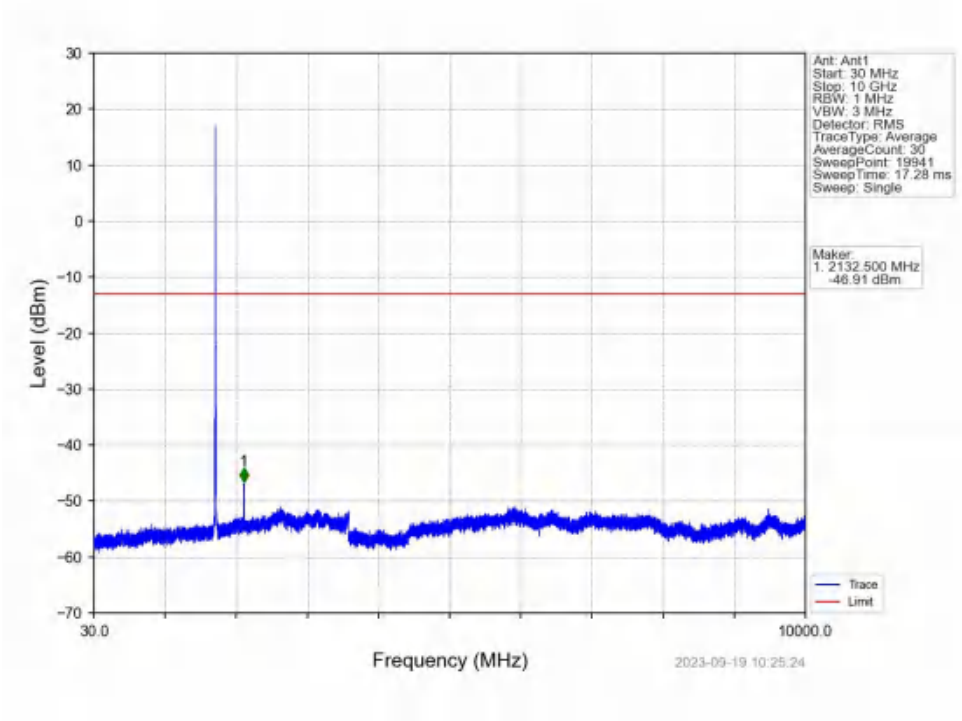


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

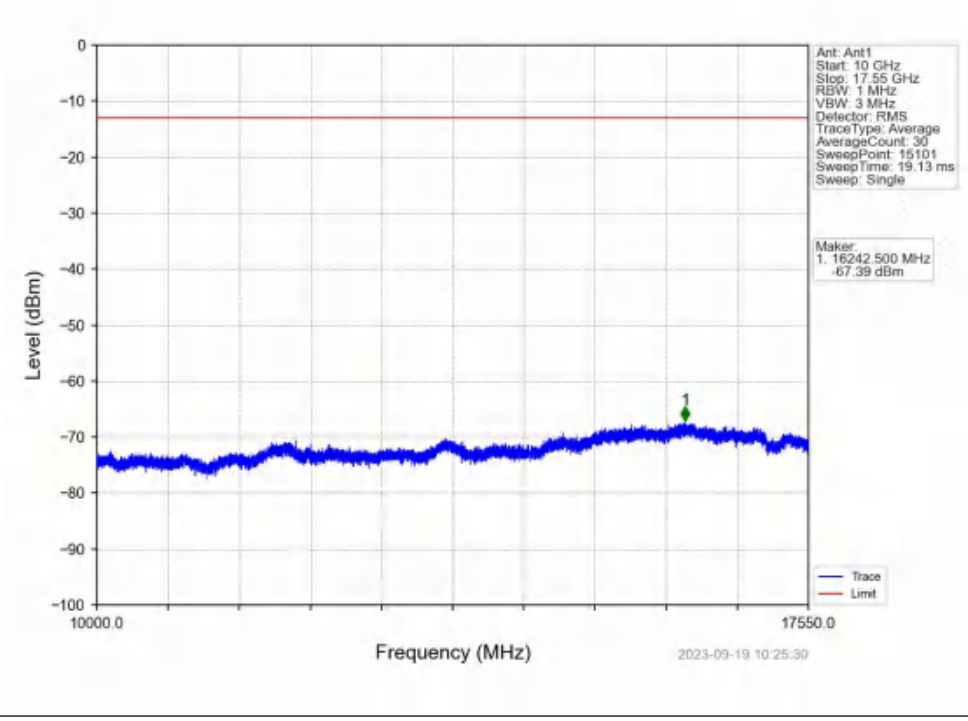


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-30.49	-13	Pass
1709	1710	0.062	/	2	1710.000	-32.64	-13	Pass
1710	1715	0.062	/	/	/	/	/	/

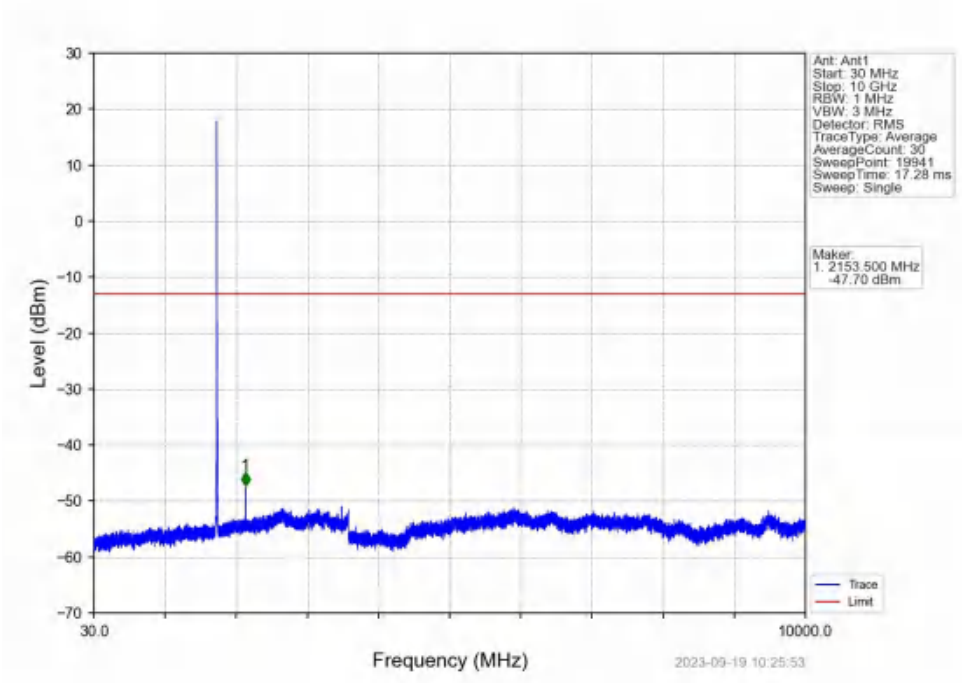
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



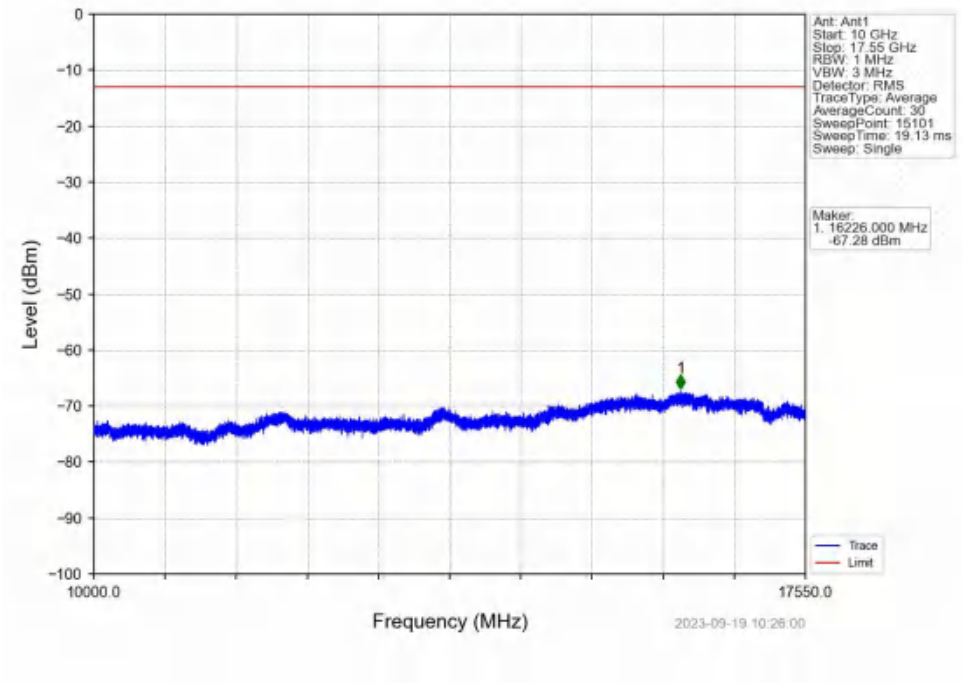
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



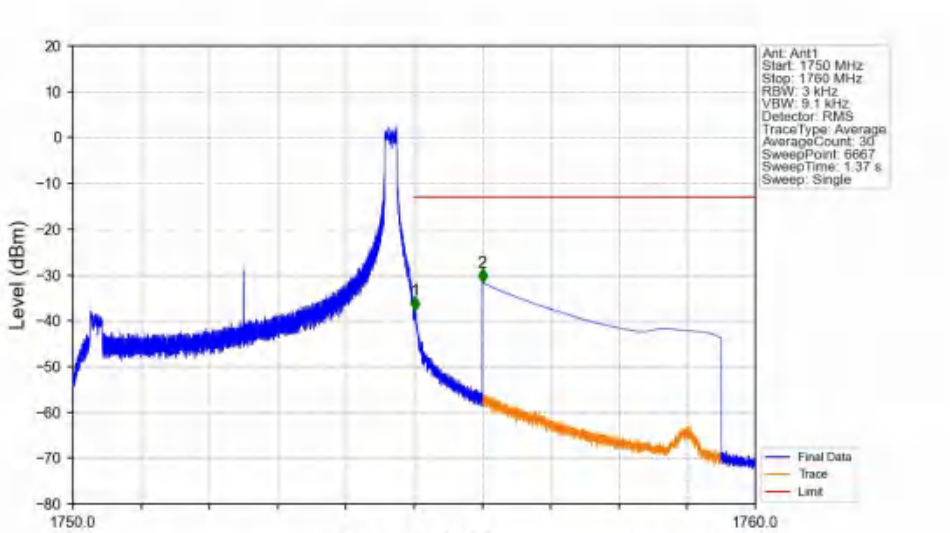
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

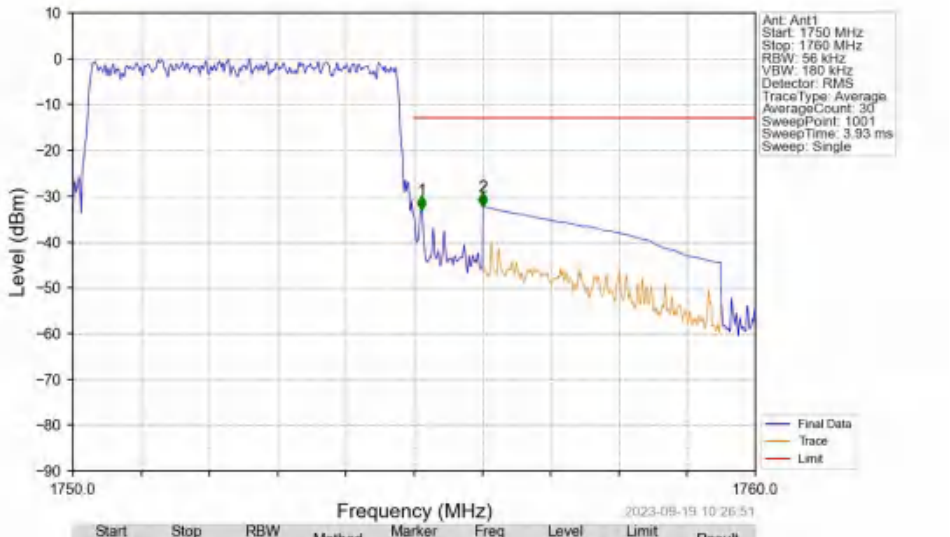


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



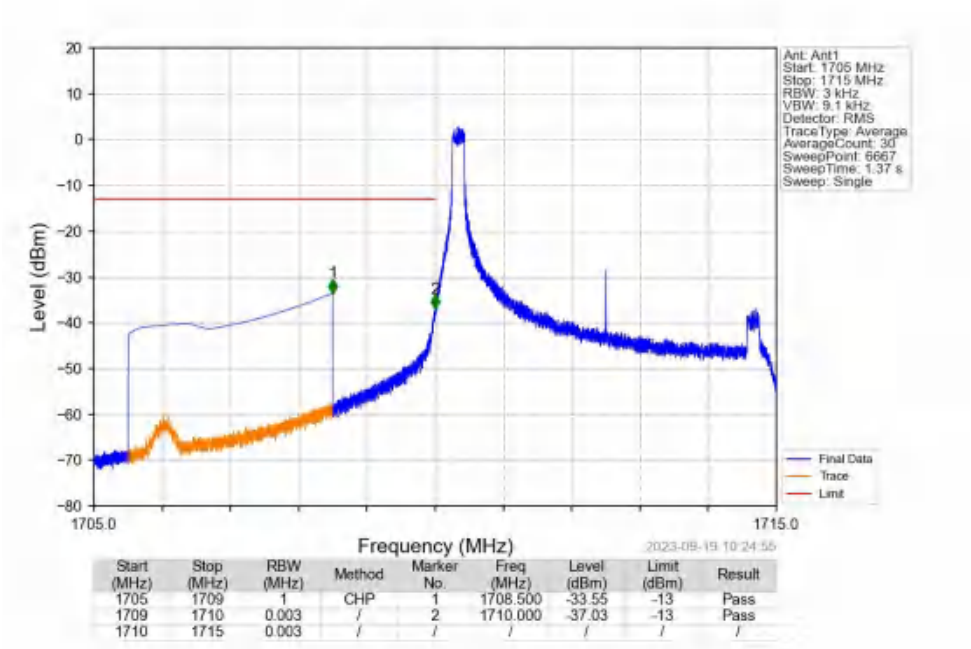
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.014	-37.76	-13	Pass
1756	1760	1	CHP	2	1756.001	-31.68	-13	Pass

Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



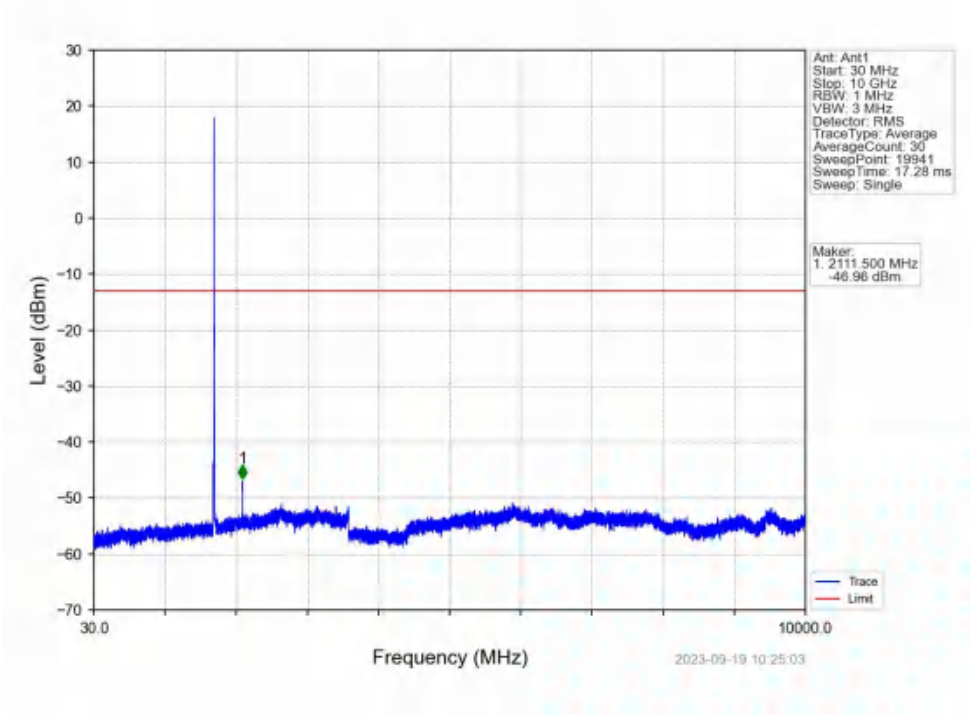
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.056	/	/	/	/	/	/
1755	1756	0.056	/	1	1755.110	-32.98	-13	Pass
1756	1760	1	CHP	2	1756.010	-32.33	-13	Pass

Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

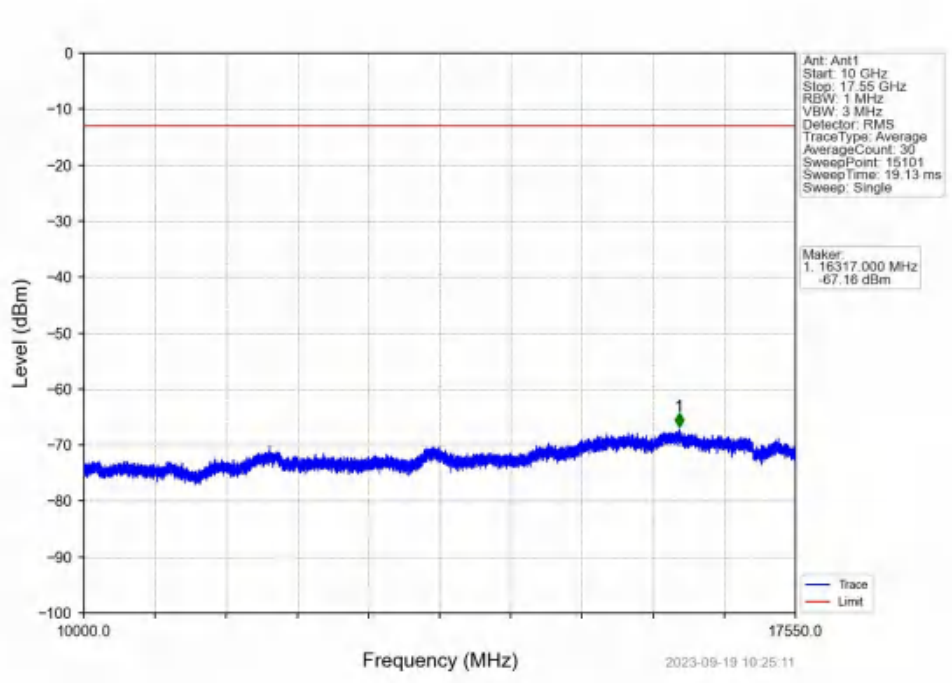


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-33.55	-13	Pass
1709	1710	0.003	/	2	1710.000	-37.03	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

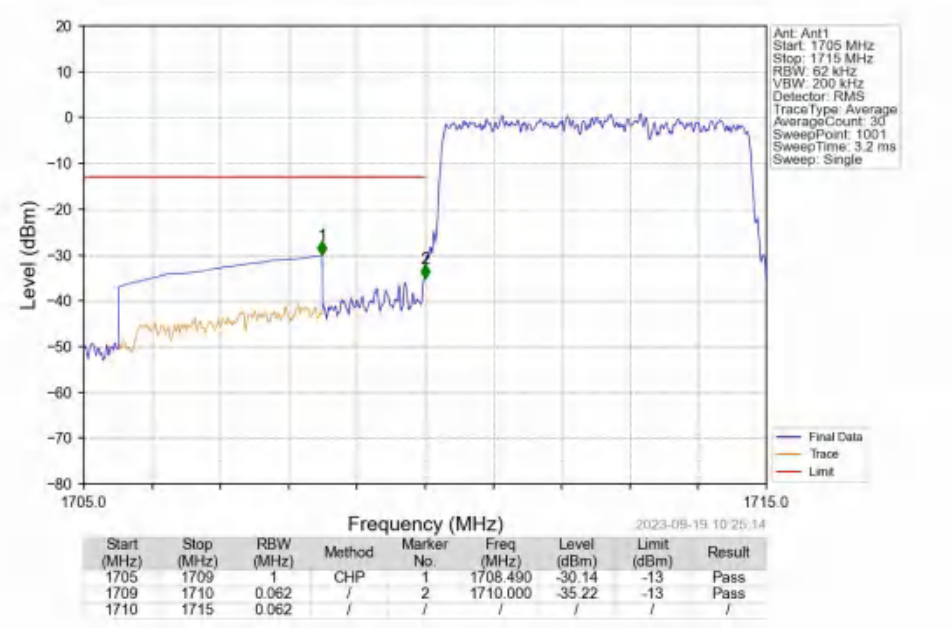
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

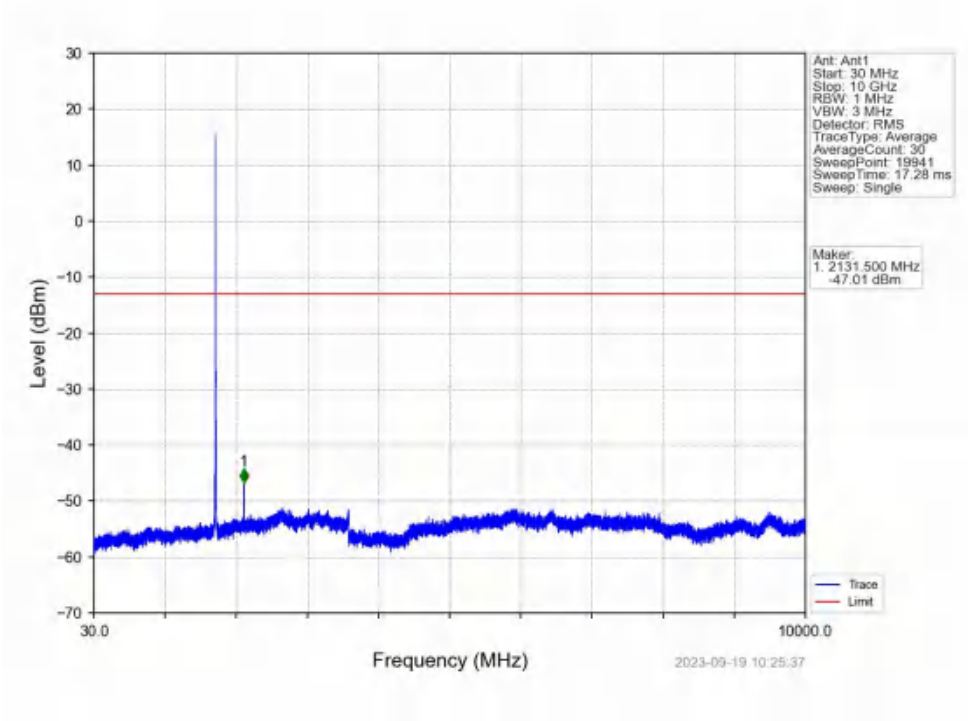


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

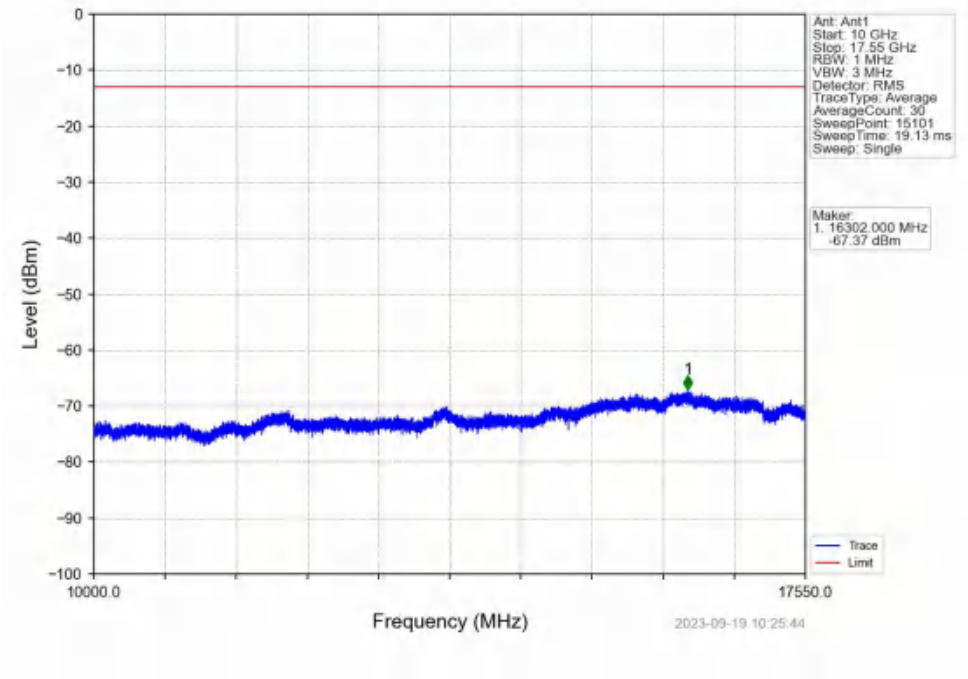


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-30.14	-13	Pass
1709	1710	0.062	/	2	1710.000	-35.22	-13	Pass
1710	1715	0.062	/	/	/	/	/	/

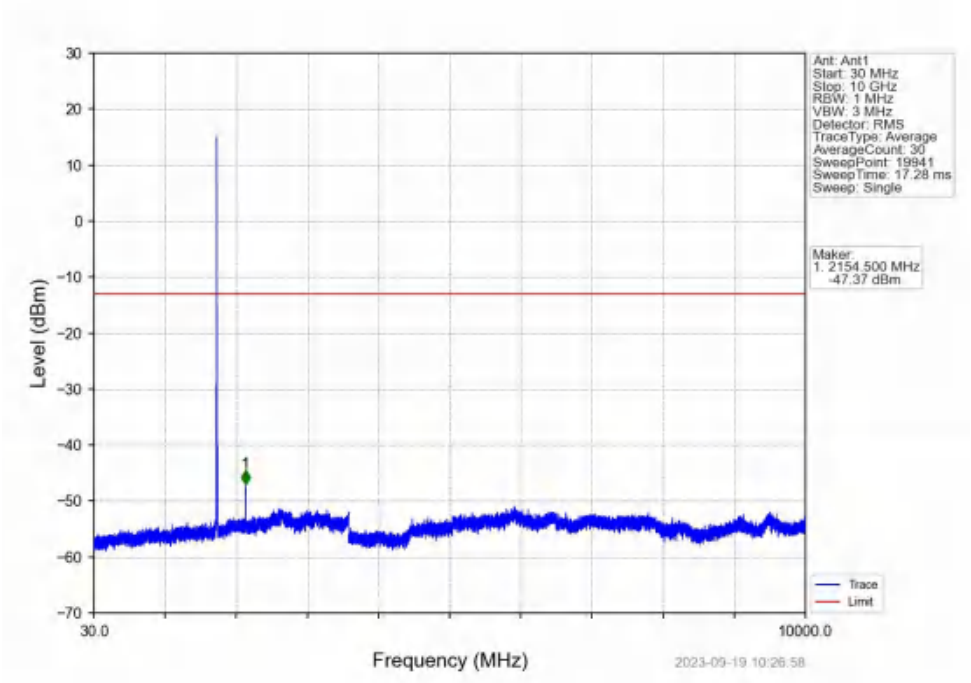
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



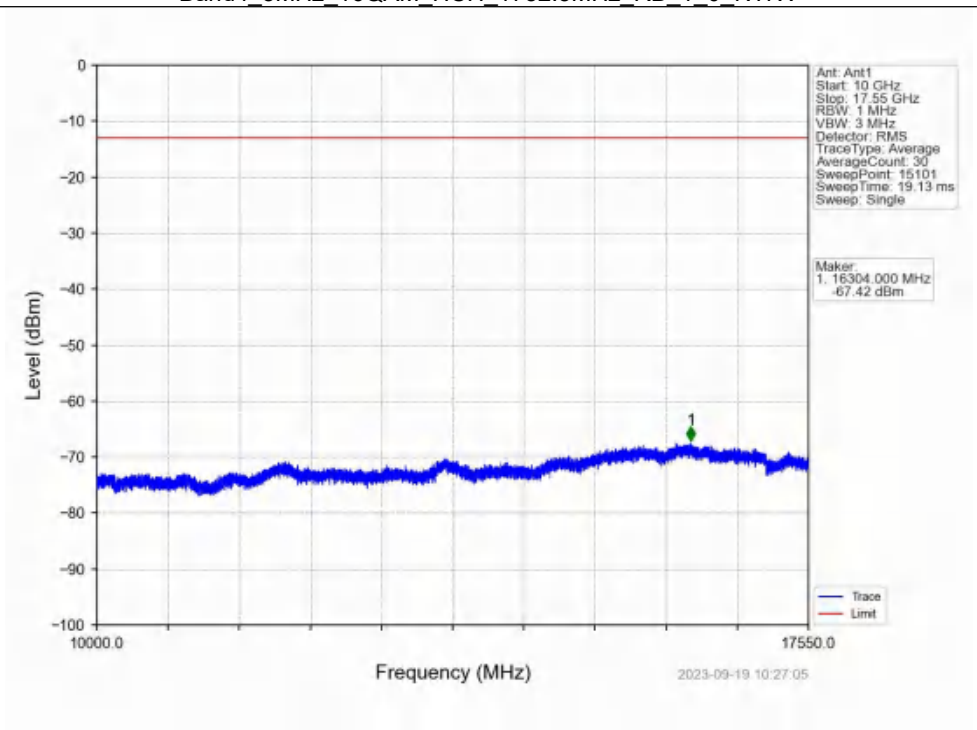
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



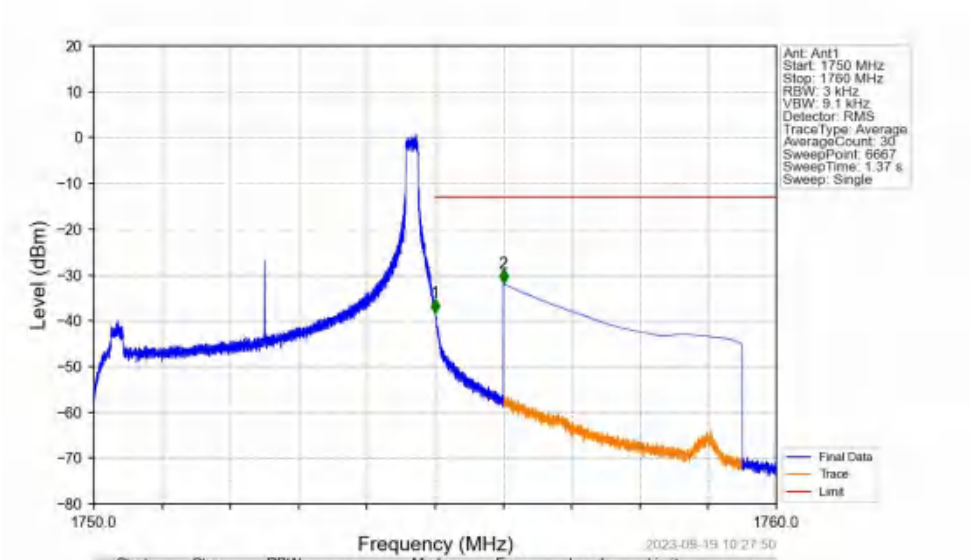
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV

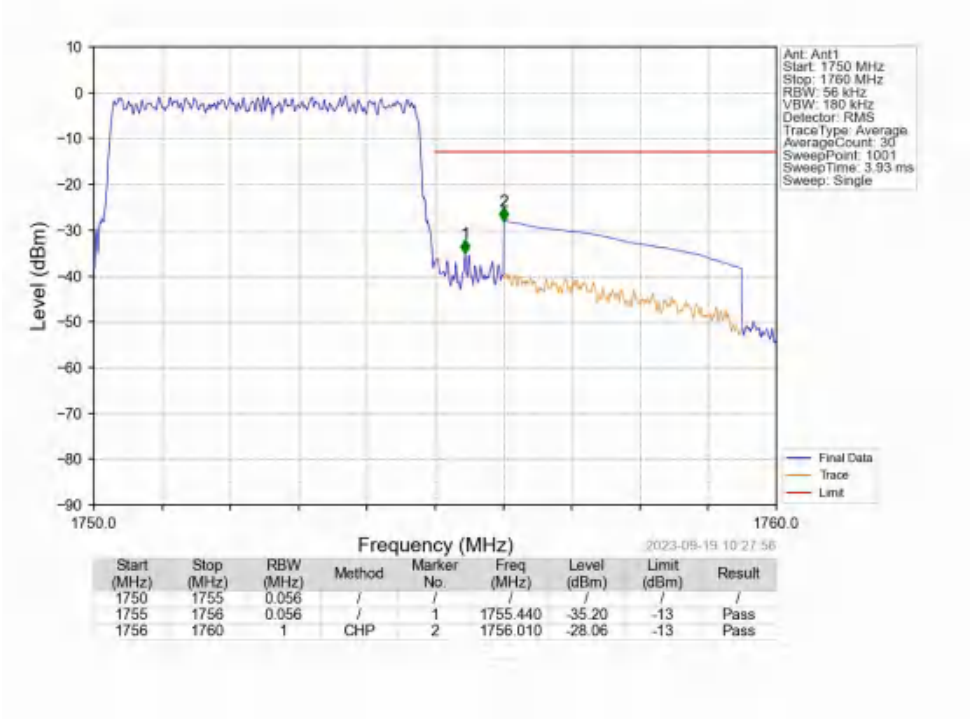


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-38.29	-13	Pass
1756	1760	1	CHP	2	1756.001	-31.89	-13	Pass

Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.056	/	/	/	/	/	/
1755	1756	0.056	/	1	1755.440	-35.20	-13	Pass
1756	1760	1	CHP	2	1756.010	-28.06	-13	Pass

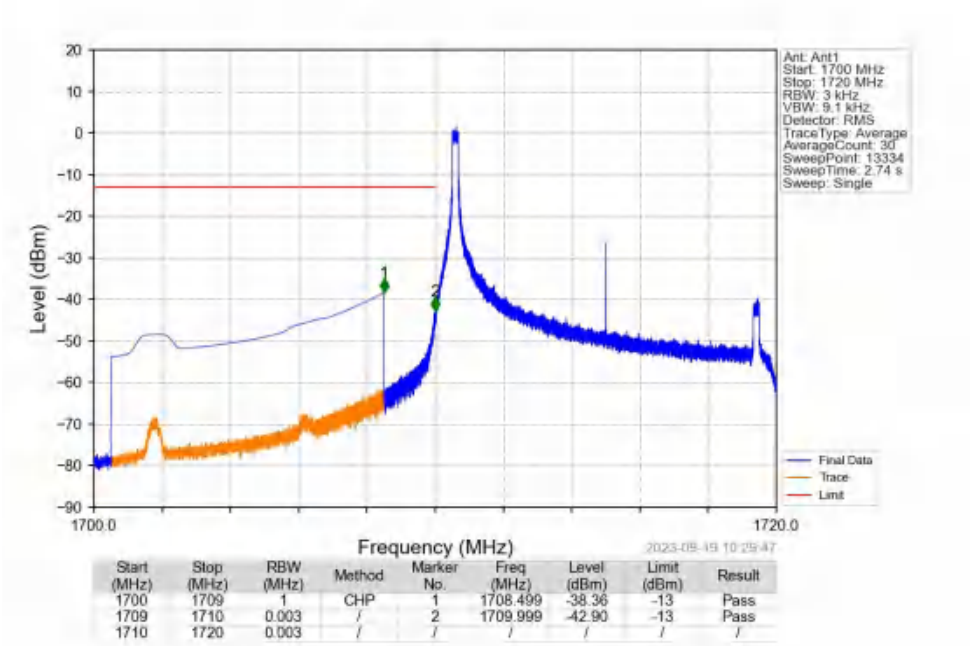
6.4 B4_10MHz

6.4.1 Test Result

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

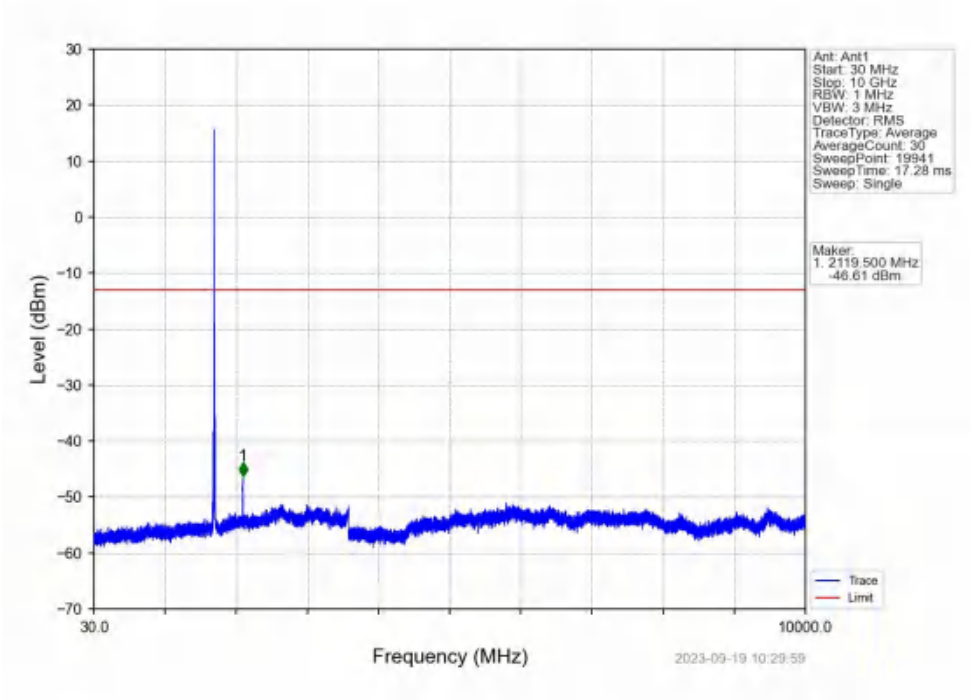
6.4.2 Test Graph

Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

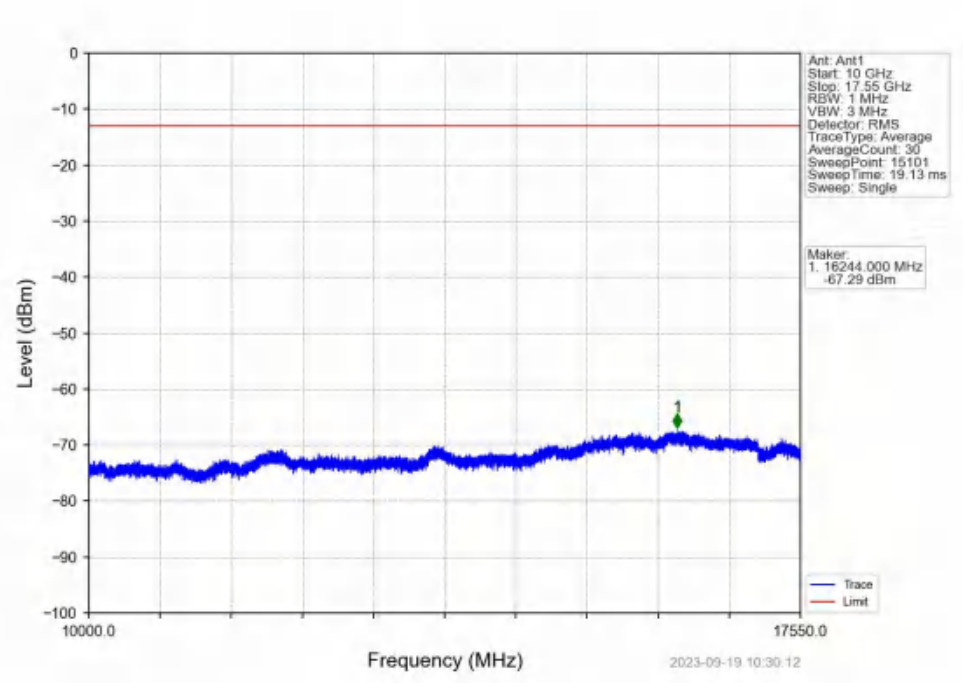


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.499	-38.36	-13	Pass
1709	1710	0.003	/	2	1709.999	-42.90	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

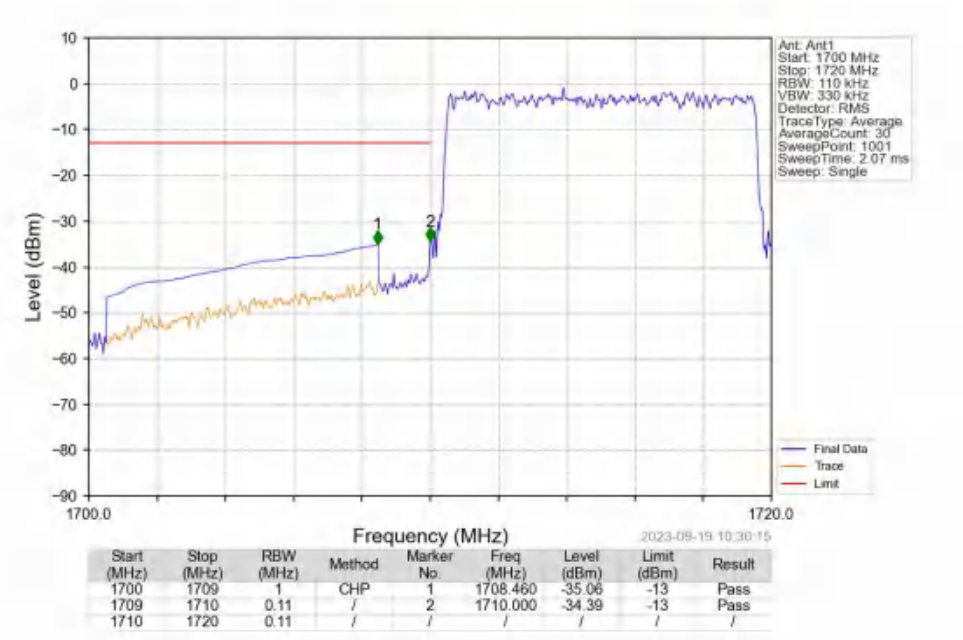
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

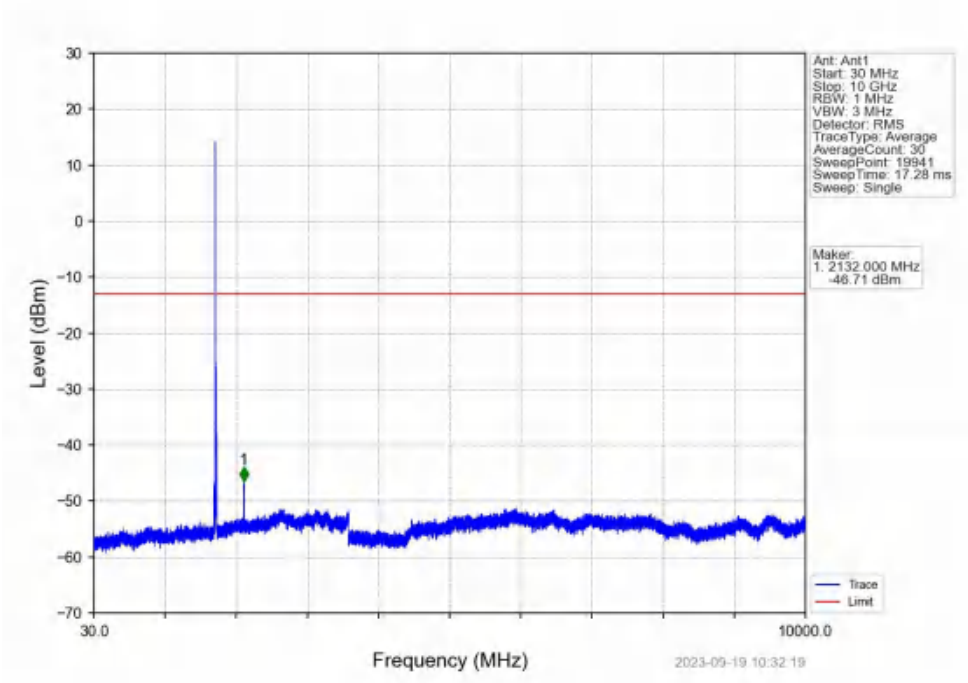


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

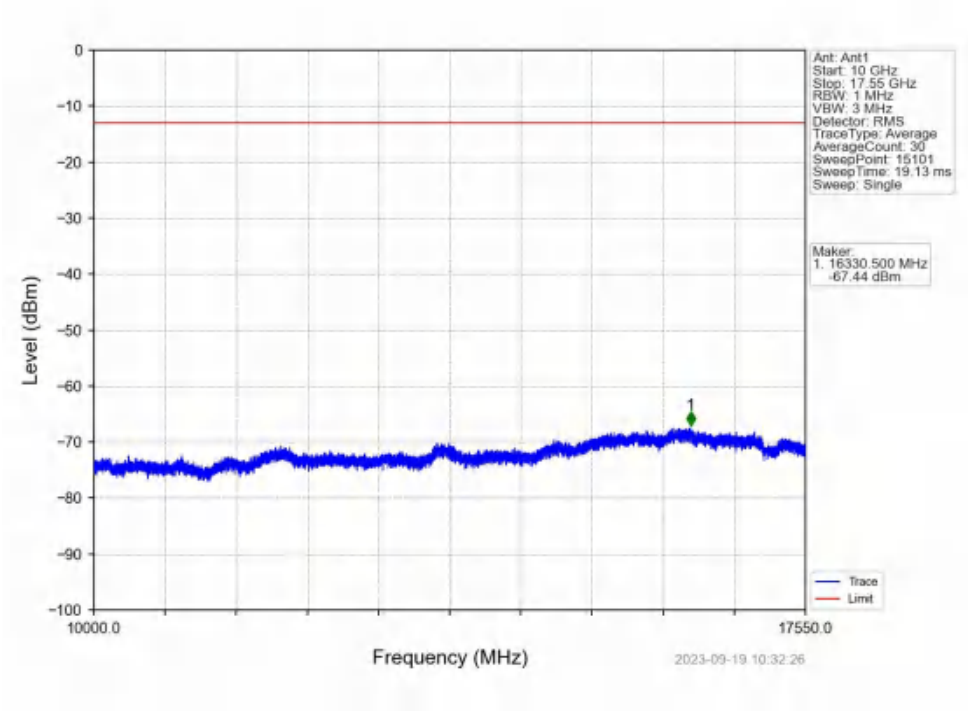


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.460	-35.06	-13	Pass
1709	1710	0.11	/	2	1710.000	-34.39	-13	Pass
1710	1720	0.11	/	/	/	/	/	/

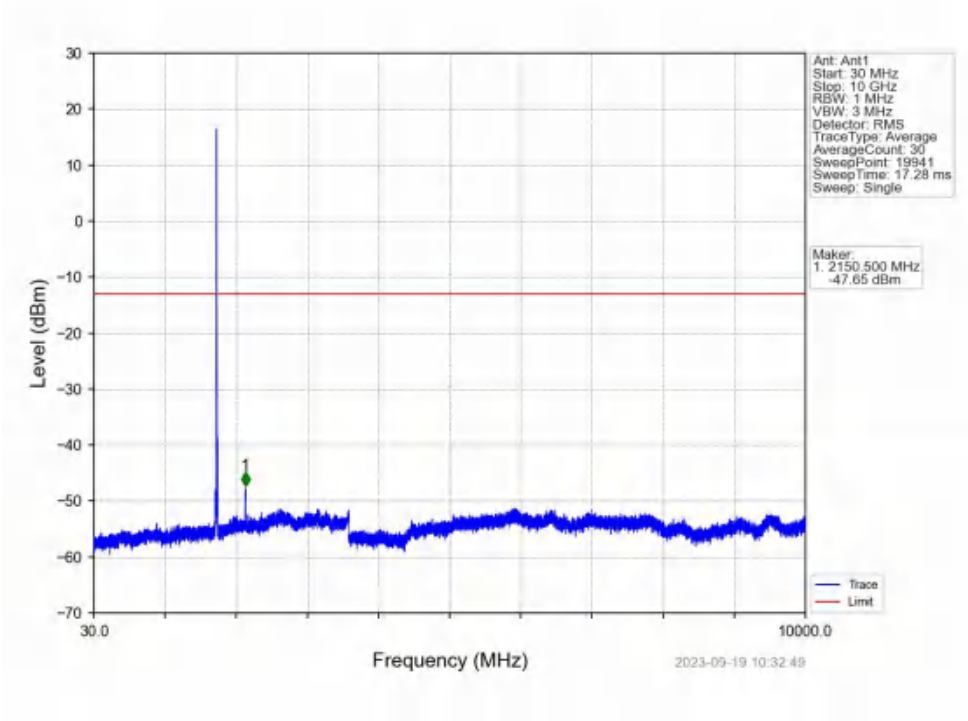
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



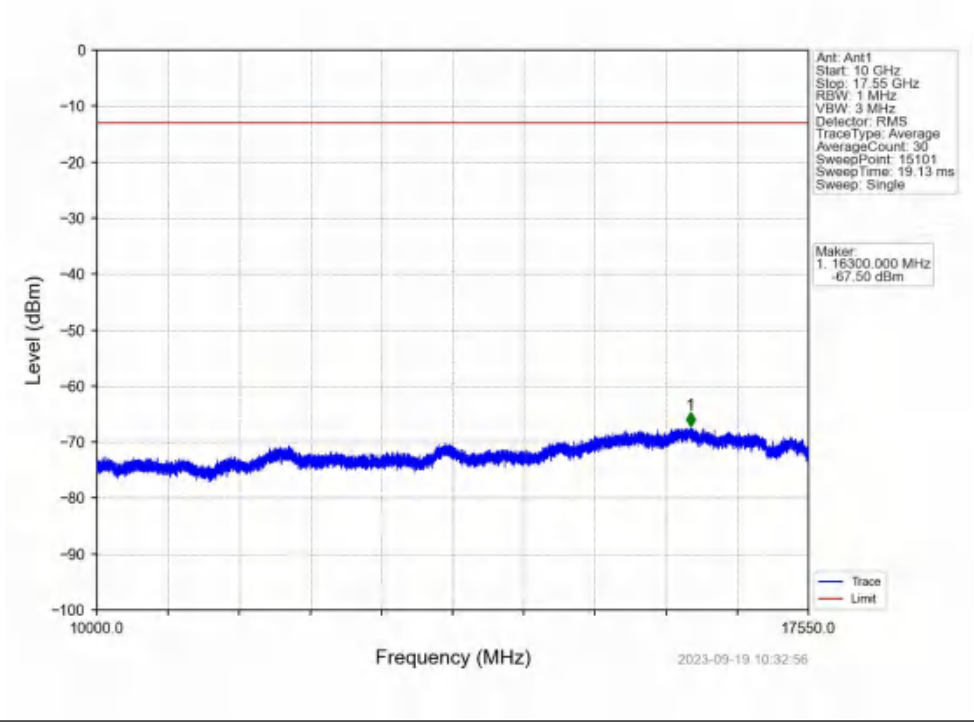
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



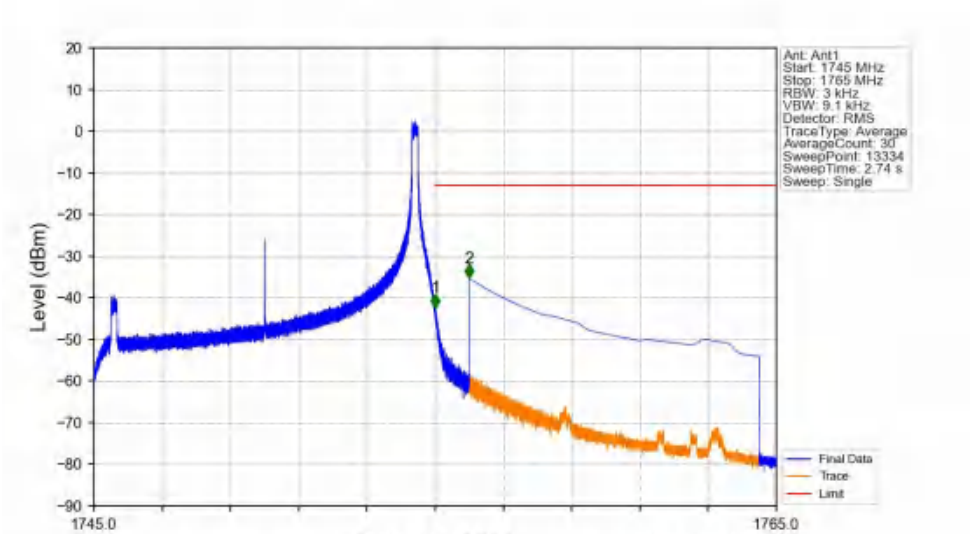
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV

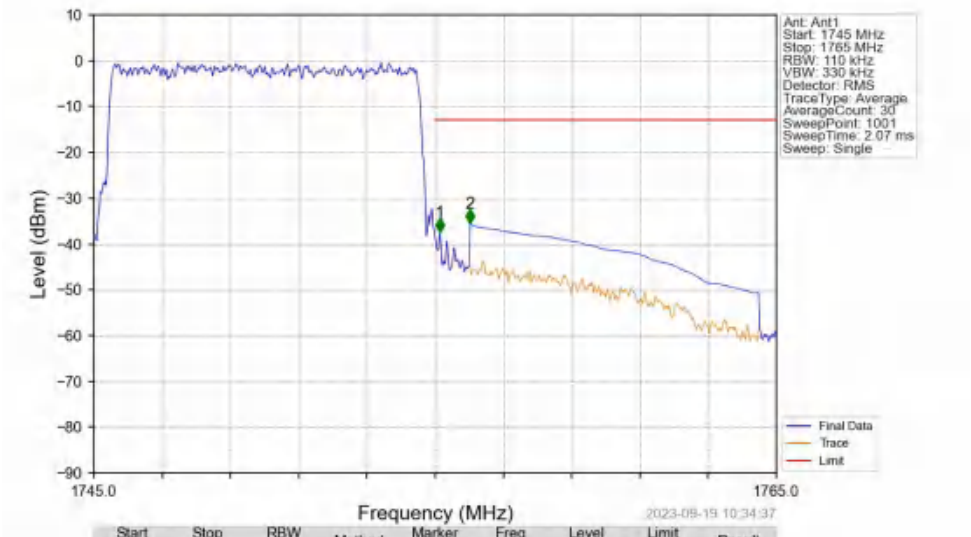


Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



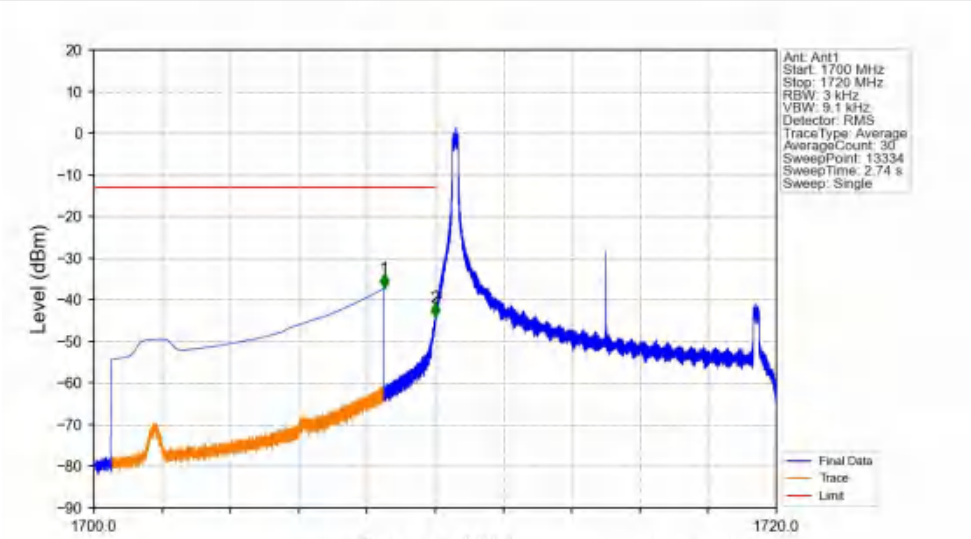
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-42.39	-13	Pass
1756	1765	1	CHP	2	1756.001	-35.29	-13	Pass

Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



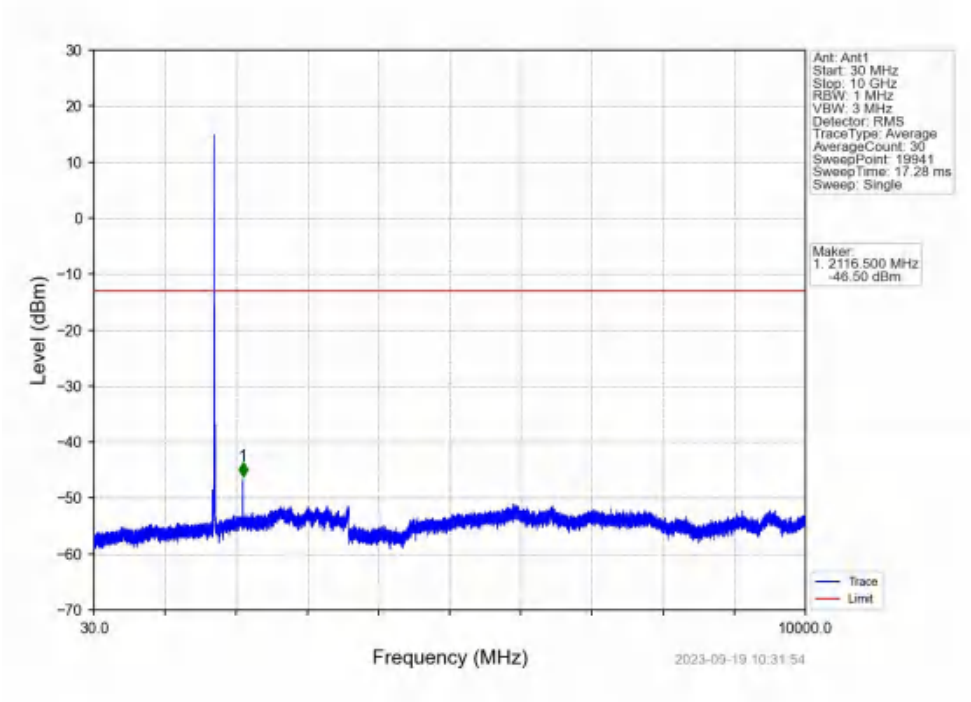
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.11	/	/	/	/	/	/
1755	1756	0.11	/	1	1755.140	-37.40	-13	Pass
1756	1765	1	CHP	2	1756.020	-35.53	-13	Pass

Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

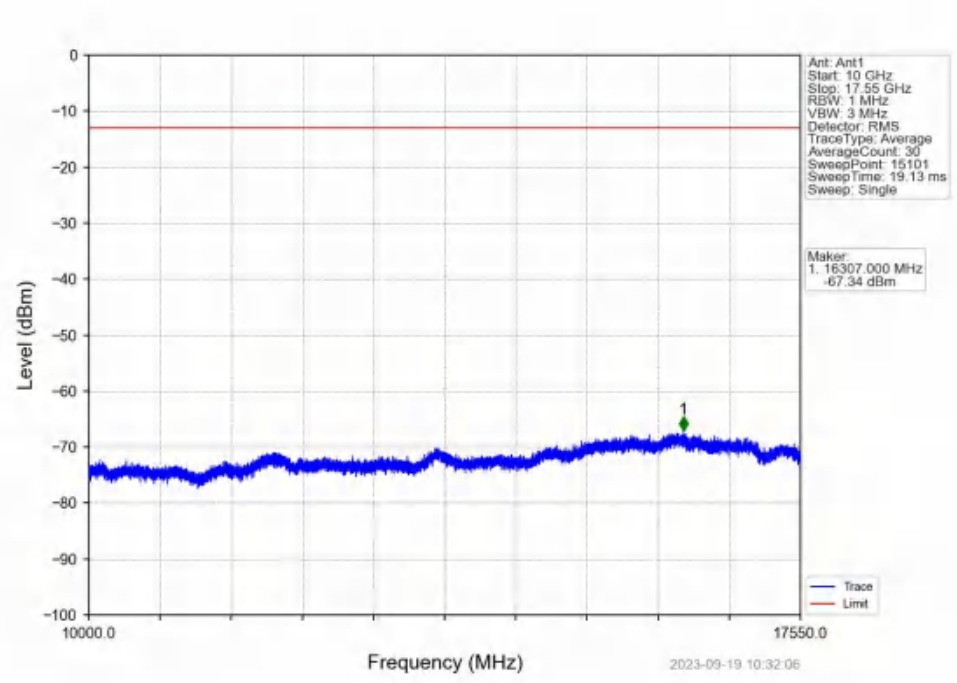


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.499	-37.24	-13	Pass
1709	1710	0.003	/	2	1709.999	-44.16	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

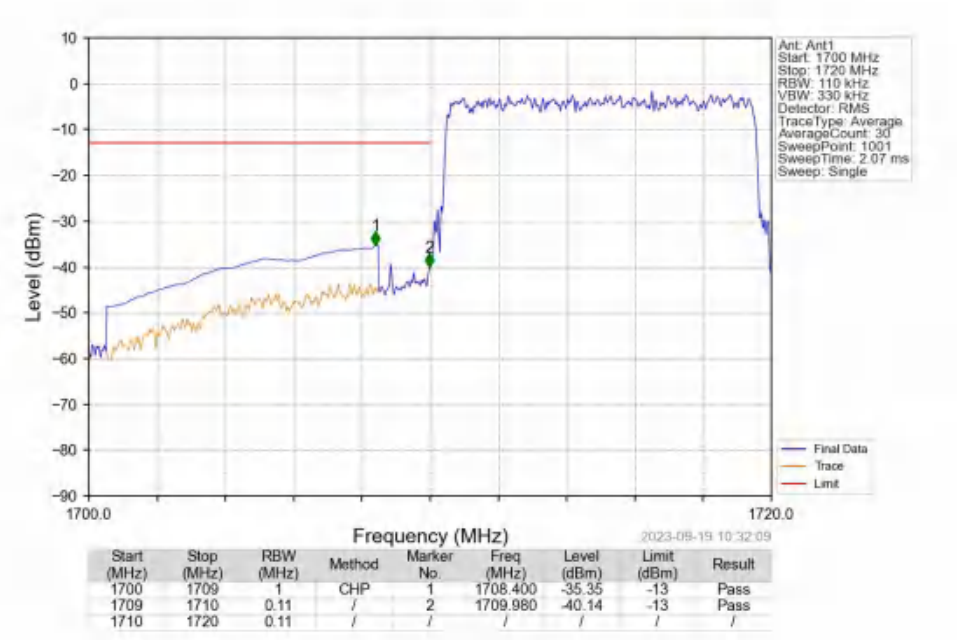
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

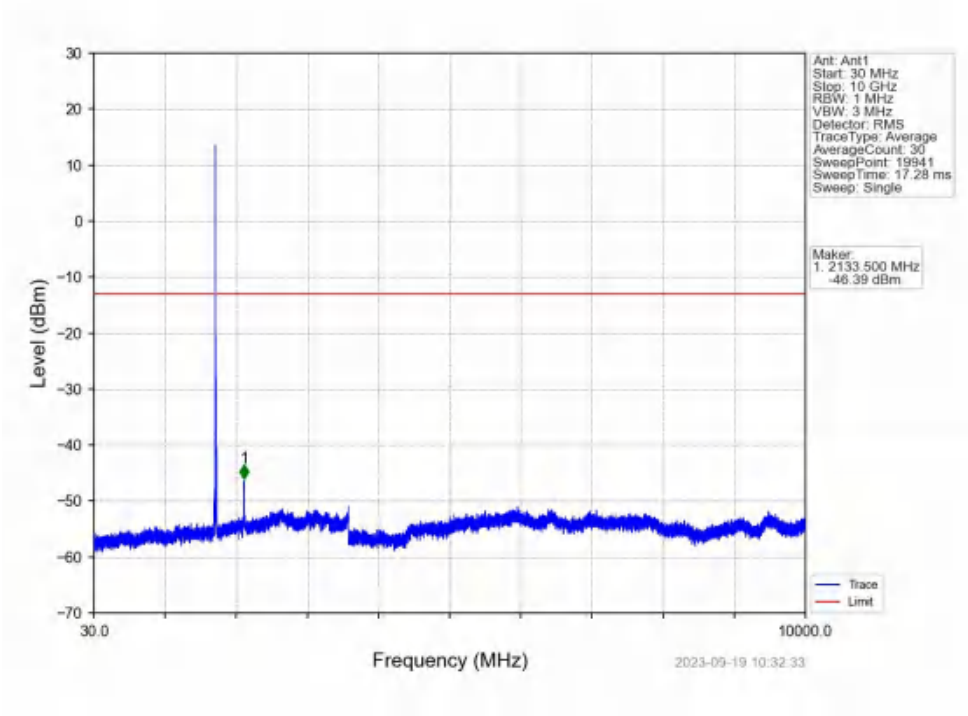


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

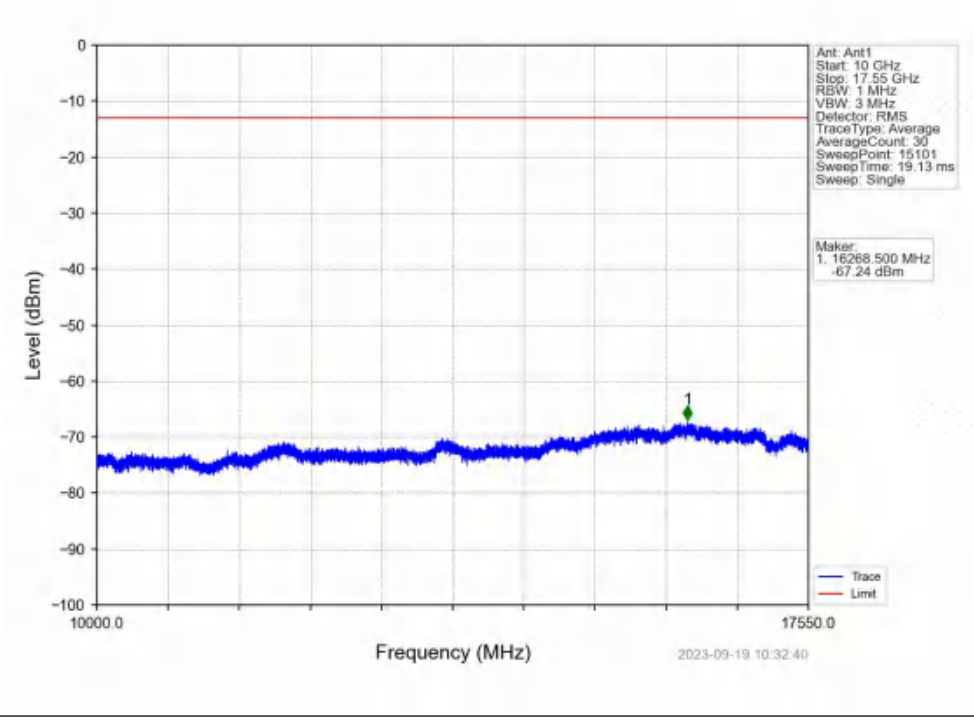


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.400	-35.35	-13	Pass
1709	1710	0.11	/	2	1709.980	-40.14	-13	Pass
1710	1720	0.11	/	/	/	/	/	/

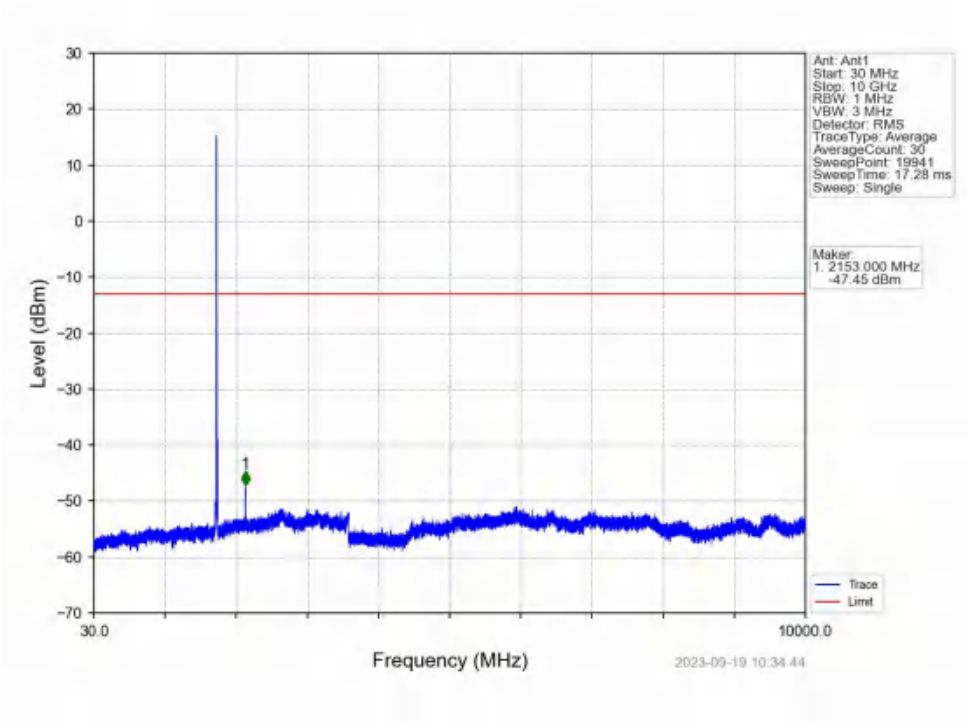
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



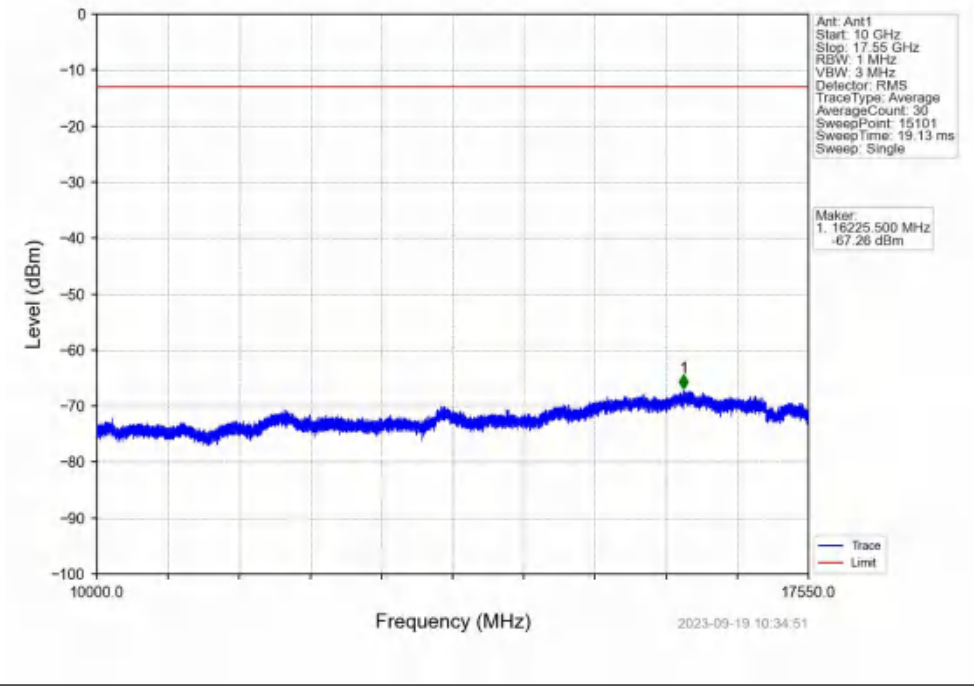
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



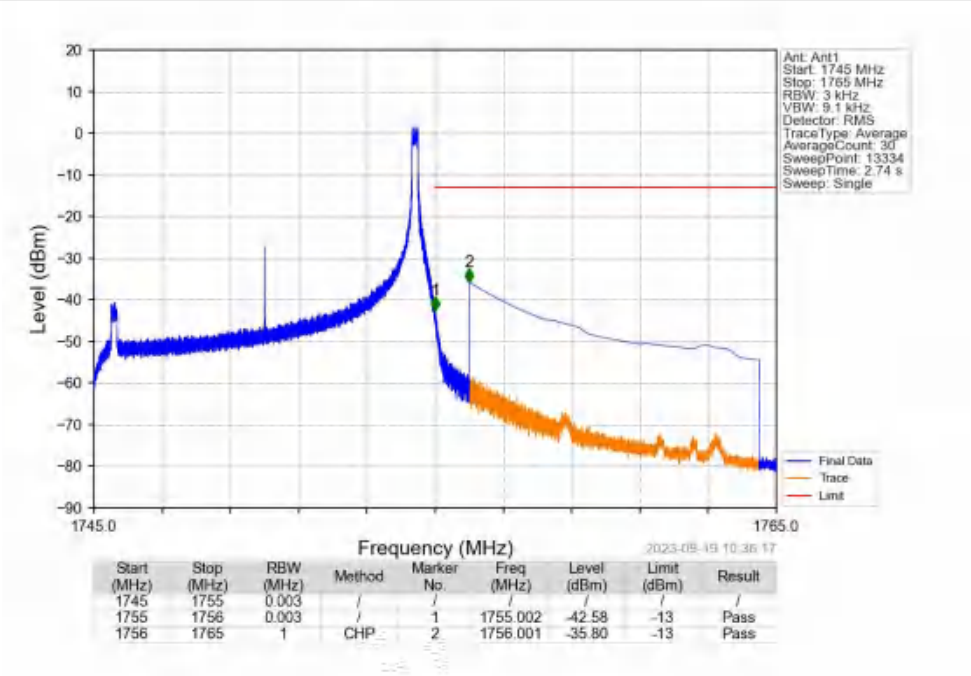
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV

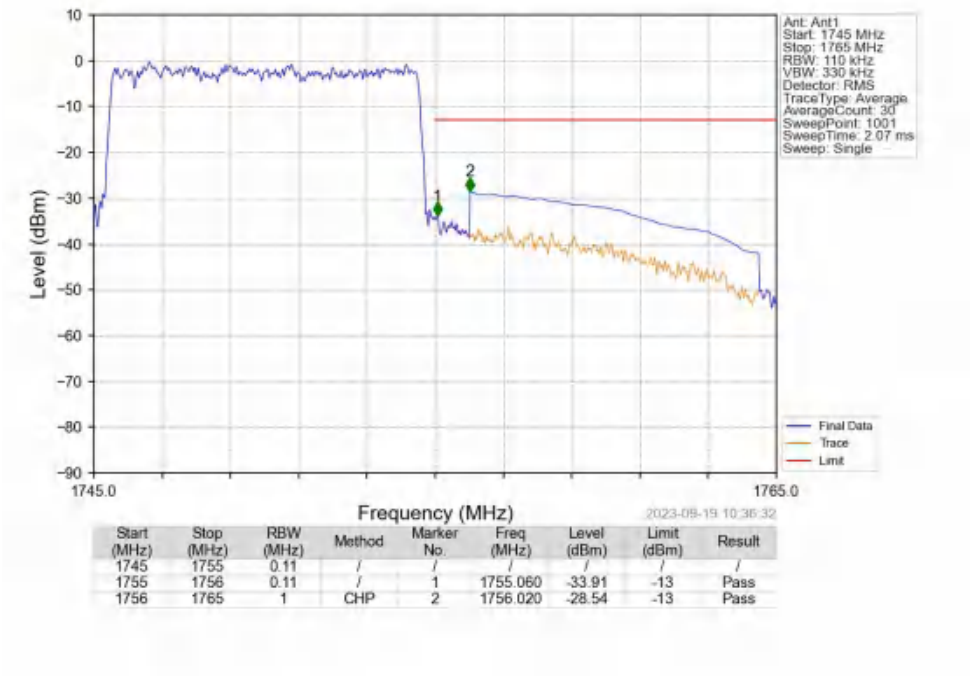


Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-42.58	-13	Pass
1756	1765	1	CHP	2	1756.001	-35.80	-13	Pass

Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.11	/	/	/	/	/	/
1755	1756	0.11	/	1	1755.060	-33.91	-13	Pass
1756	1765	1	CHP	2	1756.020	-28.54	-13	Pass

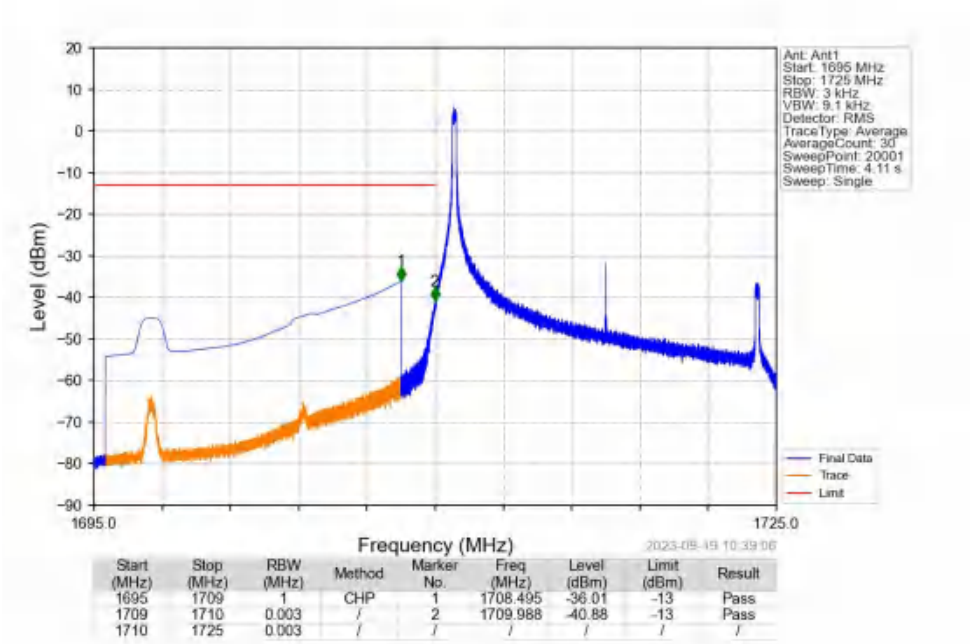
6.5 B4_15MHz

6.5.1 Test Result

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

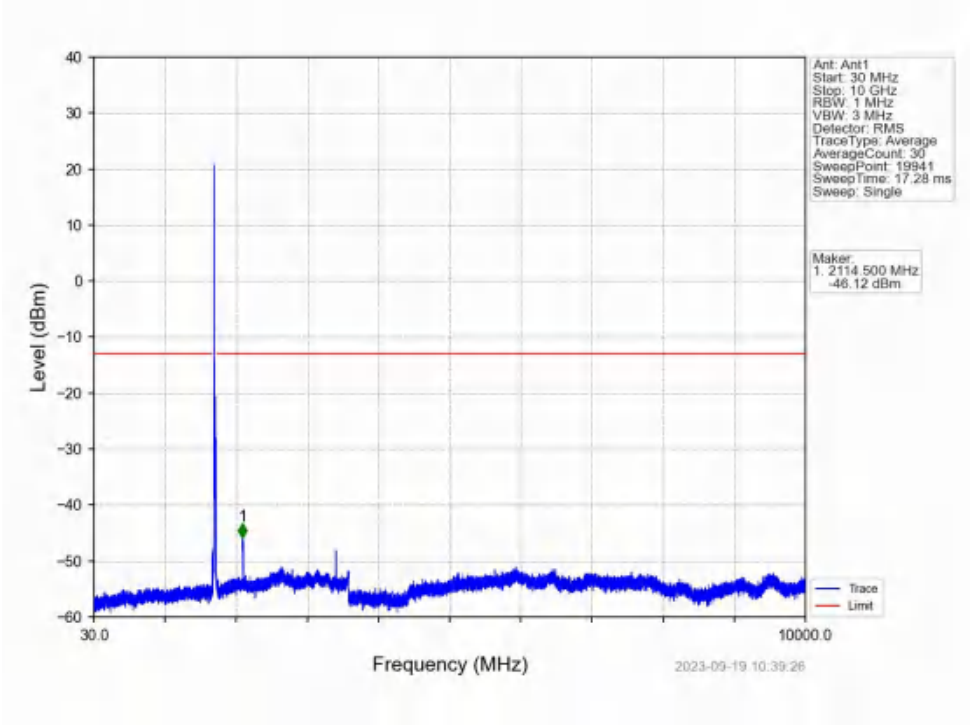
6.5.2 Test Graph

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

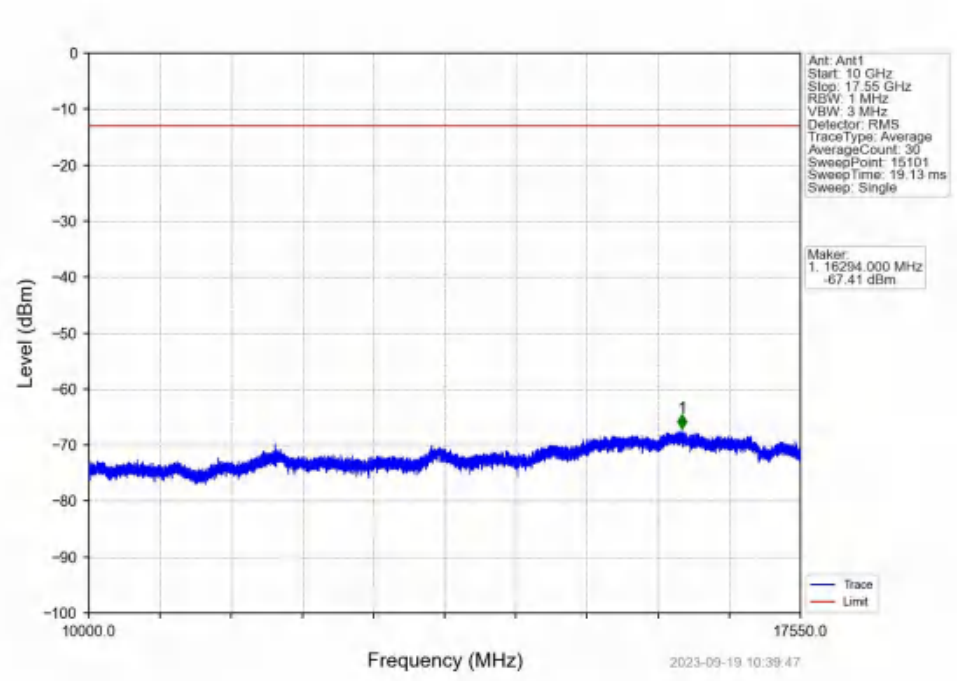


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.495	-36.01	-13	Pass
1709	1710	0.003	/	2	1709.988	-40.88	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

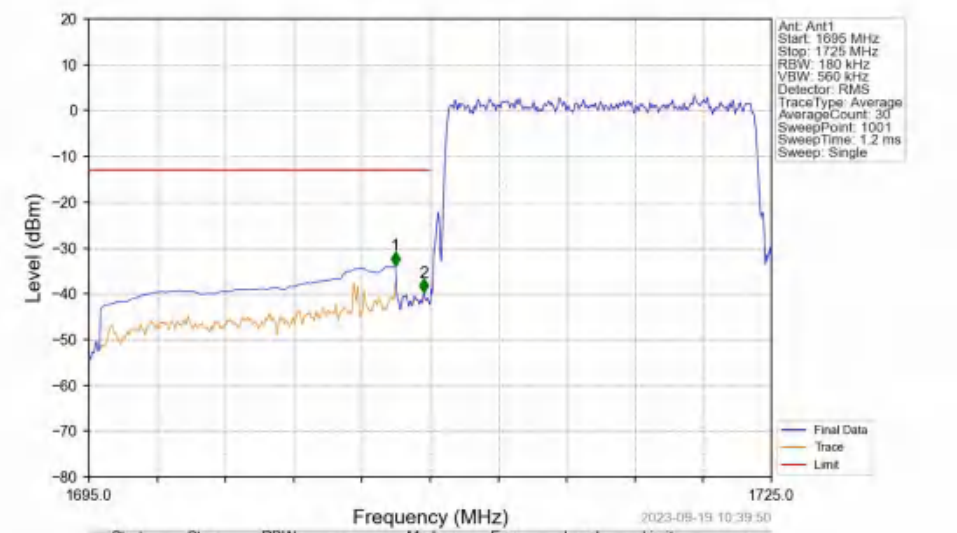
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

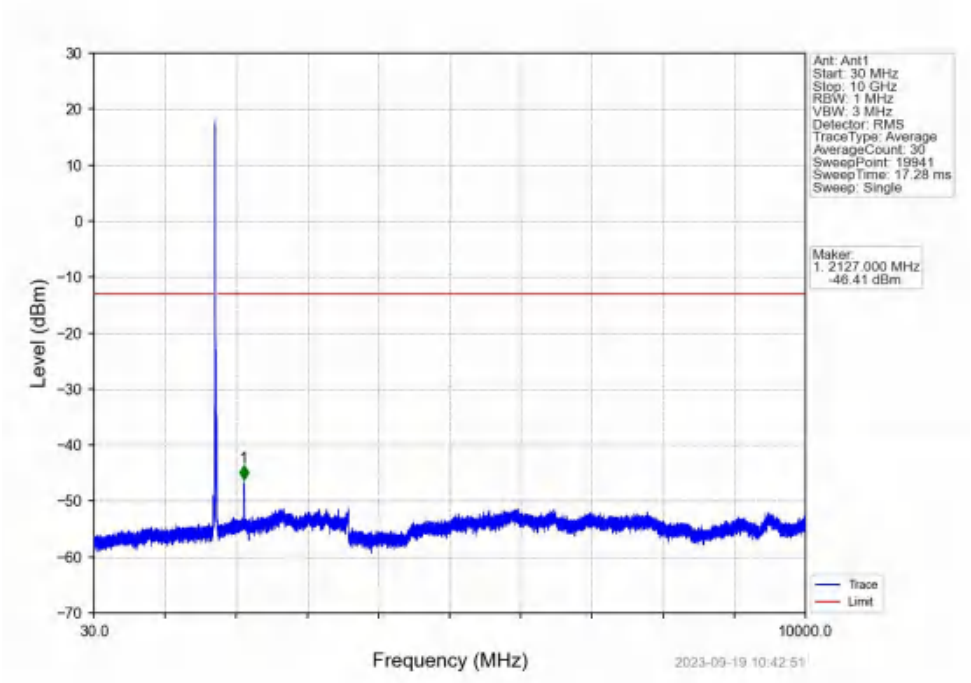


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

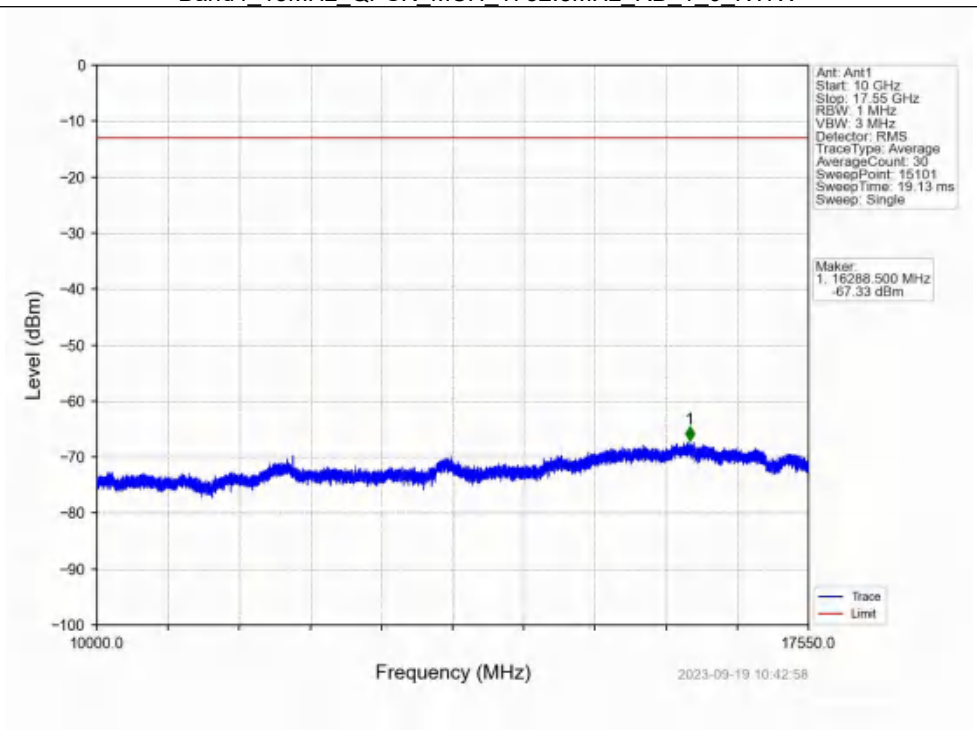


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.470	-33.89	-13	Pass
1709	1710	0.18	/	2	1709.730	-39.85	-13	Pass
1710	1725	0.18	/	/	/	/	/	/

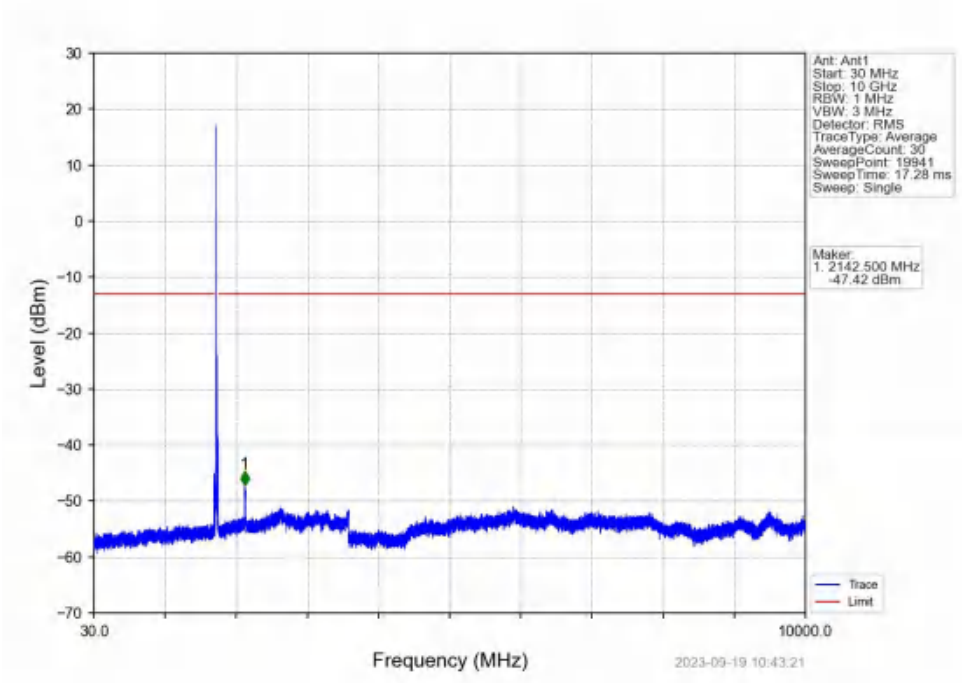
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



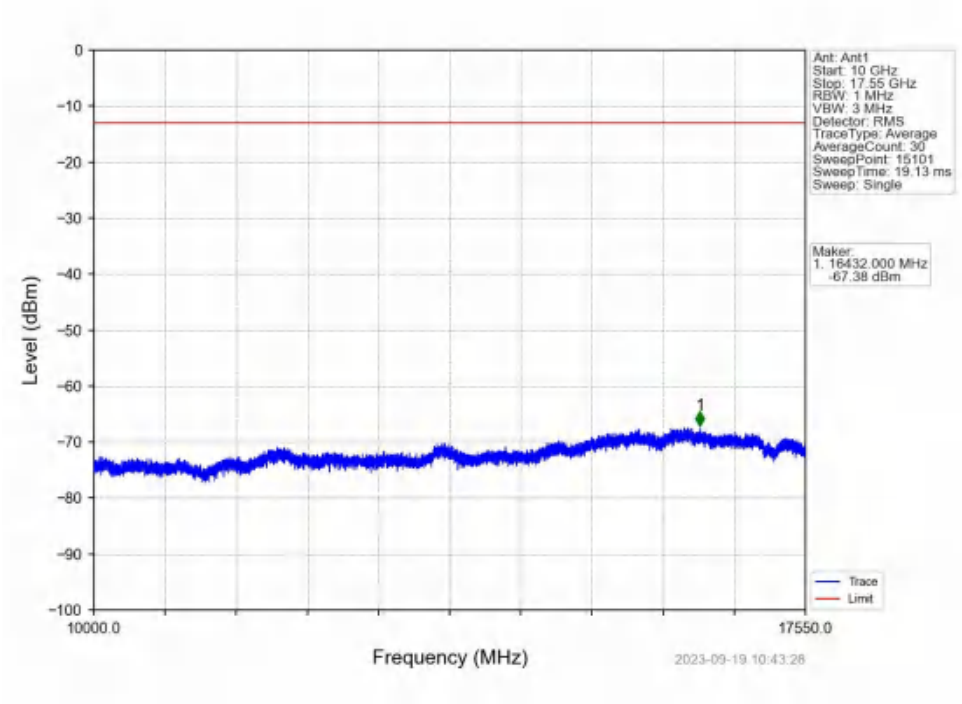
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



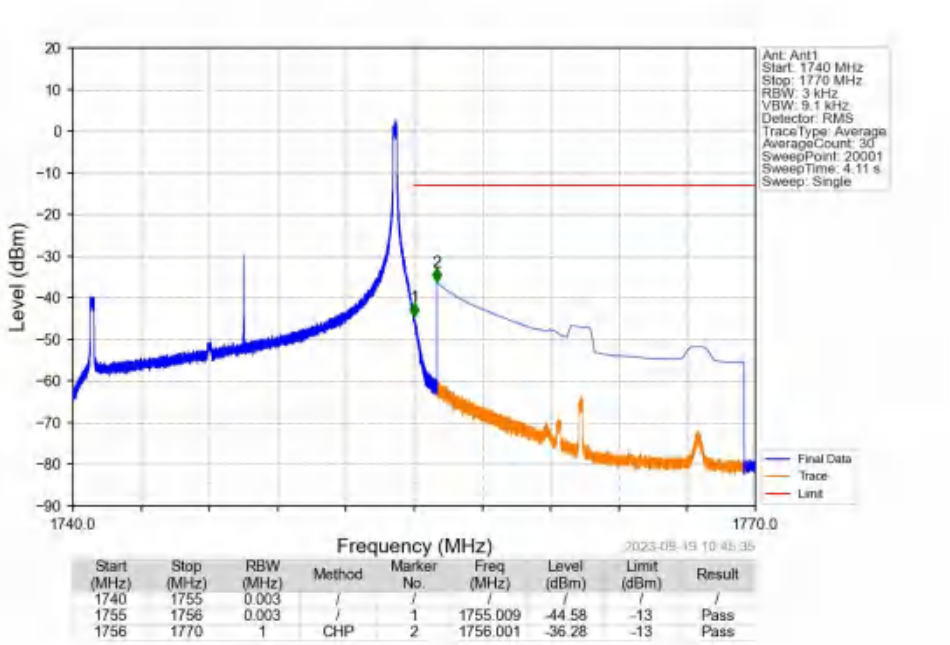
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV

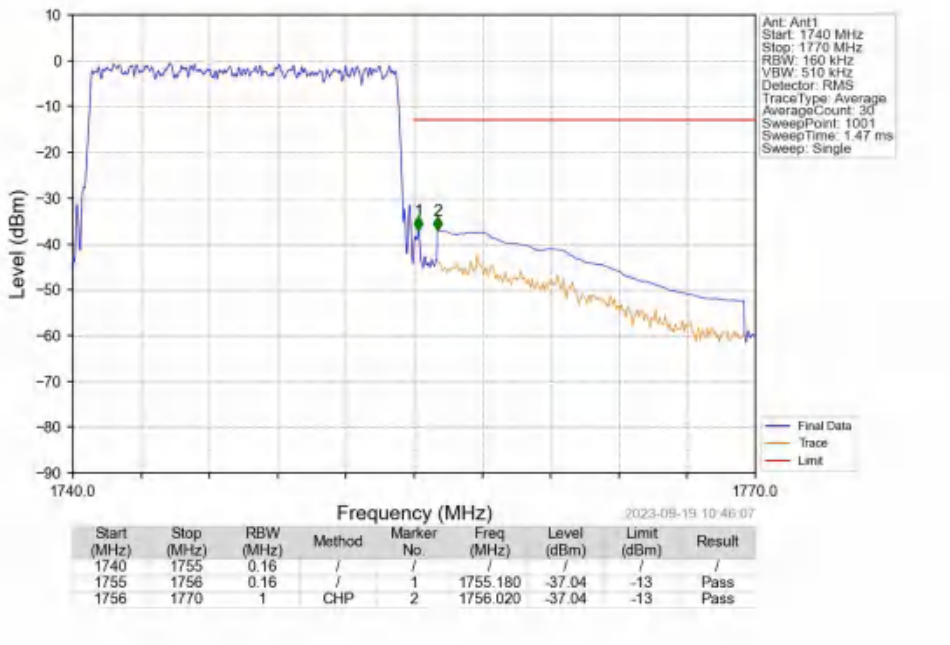


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



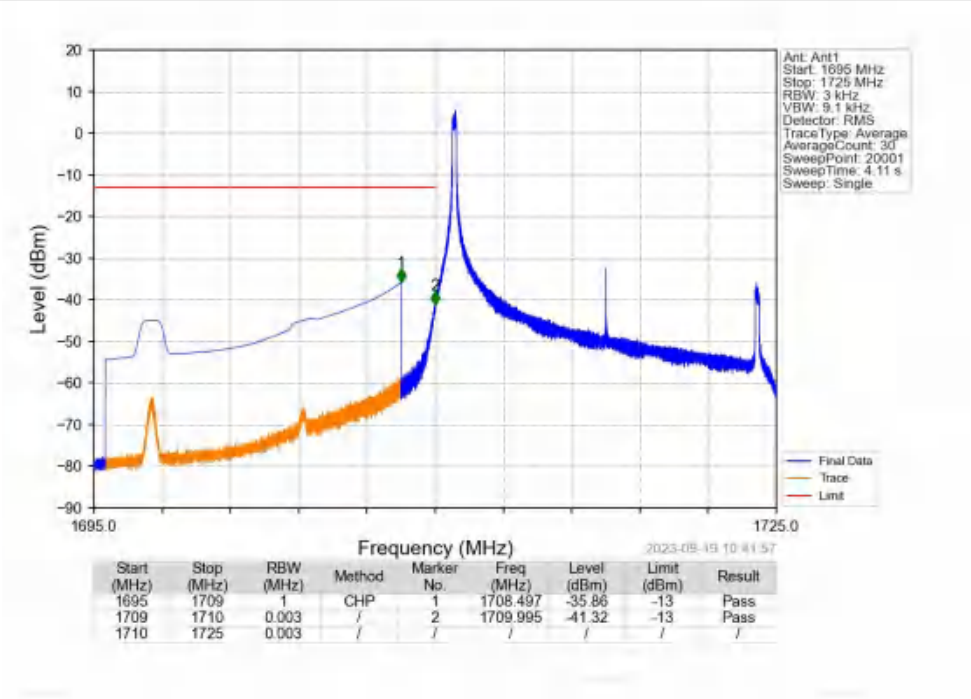
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.009	-44.58	-13	Pass
1756	1770	1	CHP	2	1756.001	-36.28	-13	Pass

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



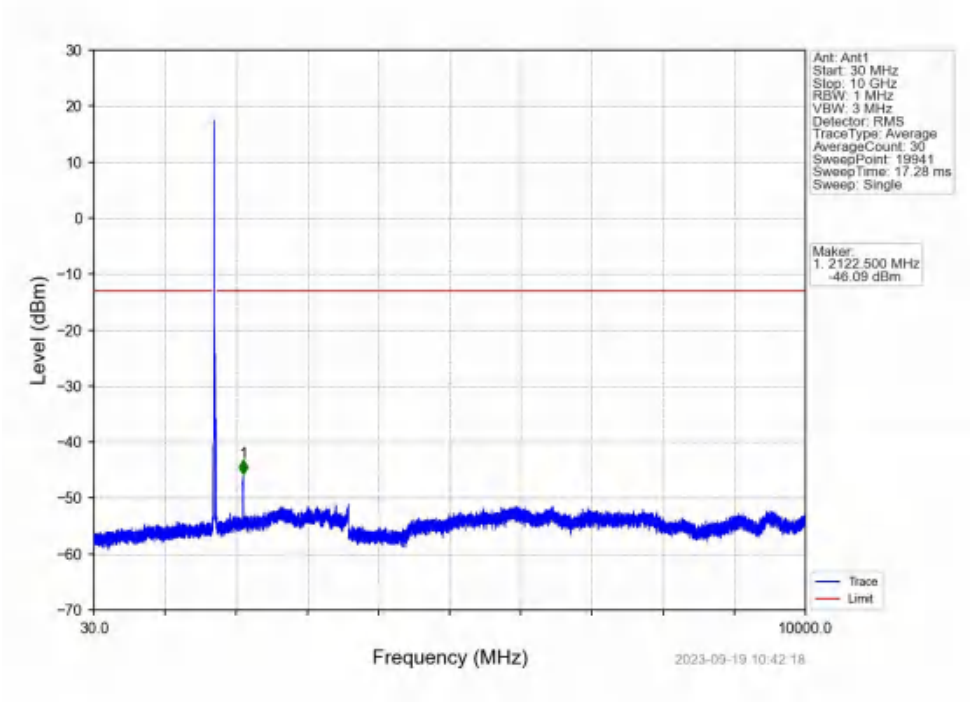
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.16	/	/	/	/	/	/
1755	1756	0.16	/	1	1755.180	-37.04	-13	Pass
1756	1770	1	CHP	2	1756.020	-37.04	-13	Pass

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

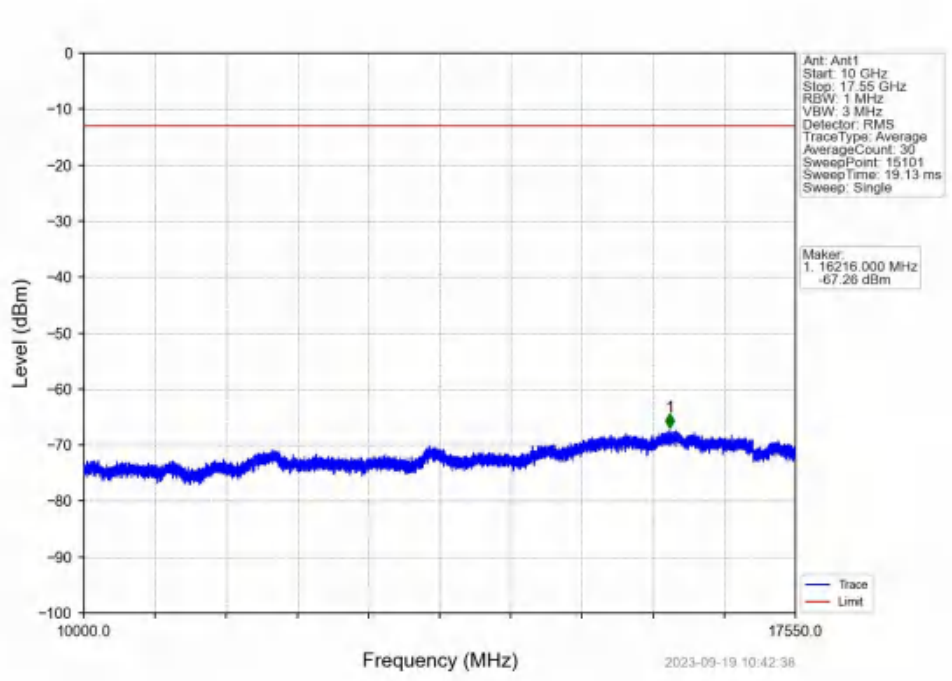


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.497	-35.86	-13	Pass
1709	1710	0.003	/	2	1709.995	-41.32	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

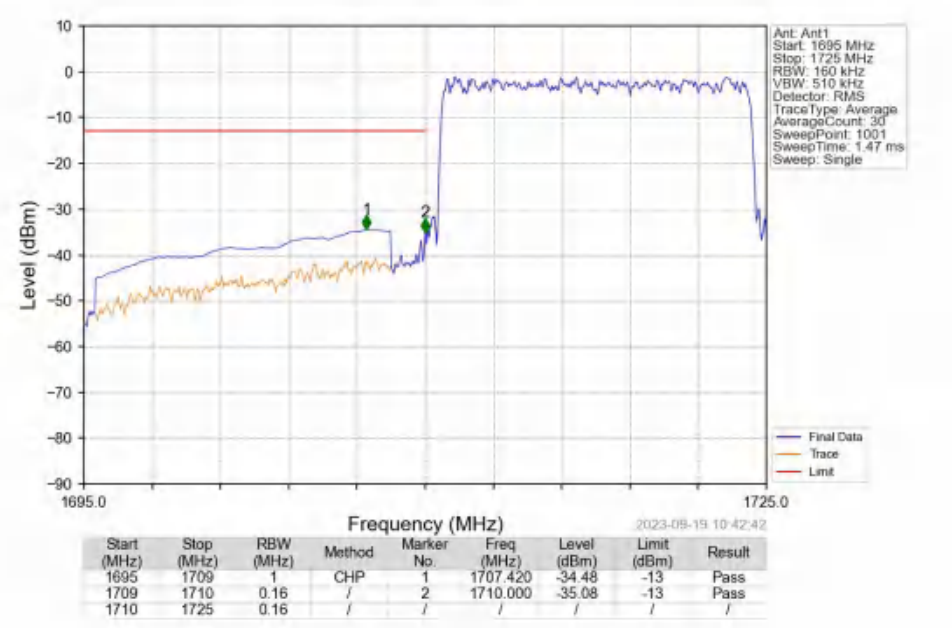
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

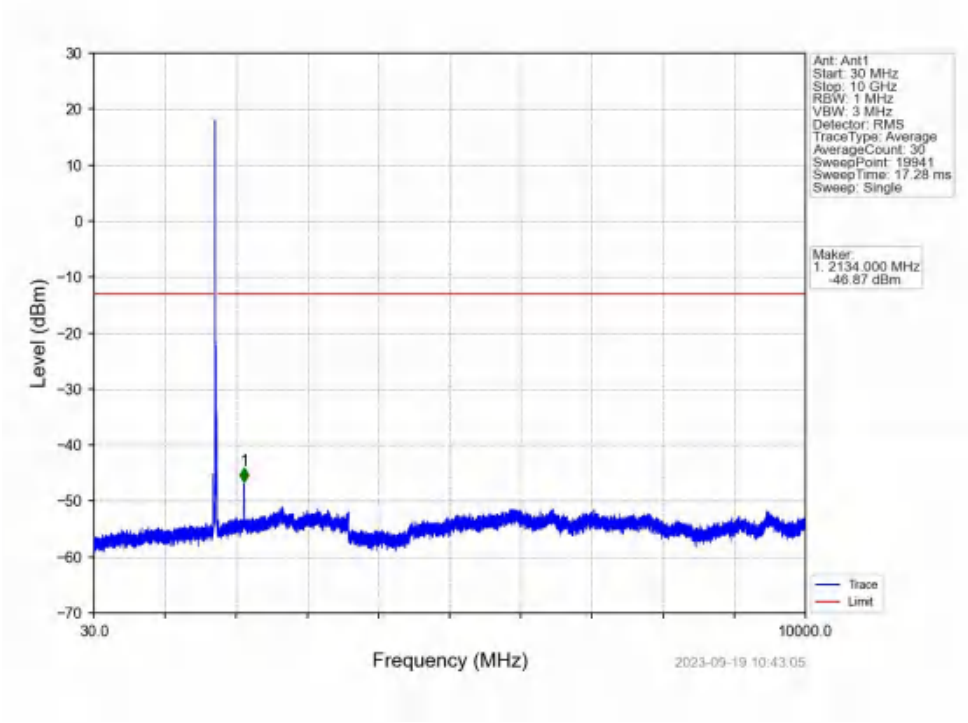


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

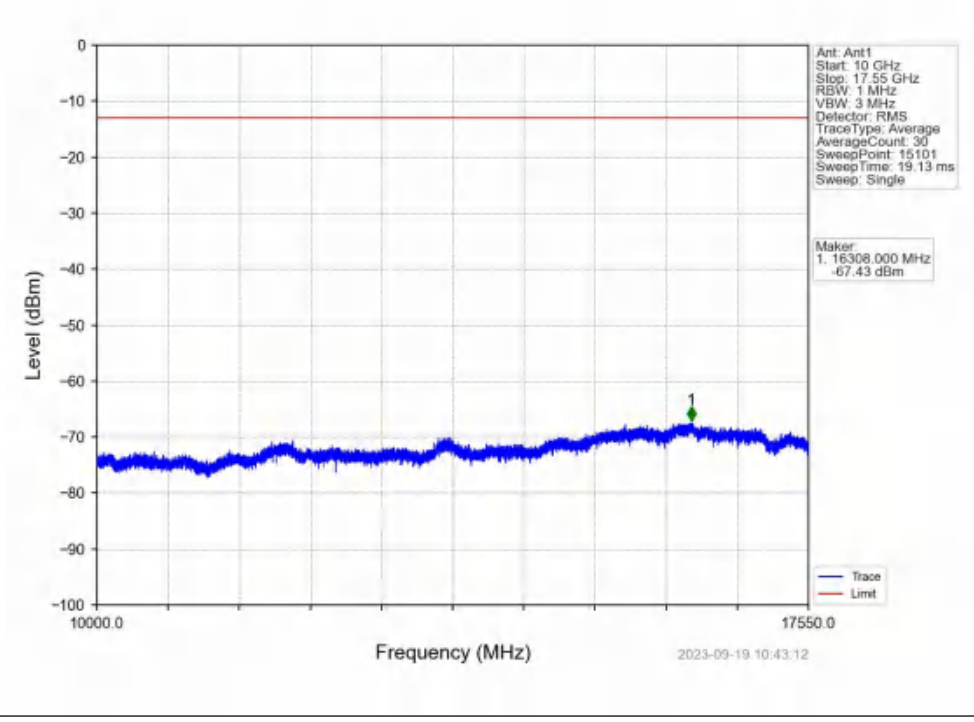


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.420	-34.48	-13	Pass
1709	1710	0.16	/	2	1710.000	-35.08	-13	Pass
1710	1725	0.16	/	/	/	/	/	/

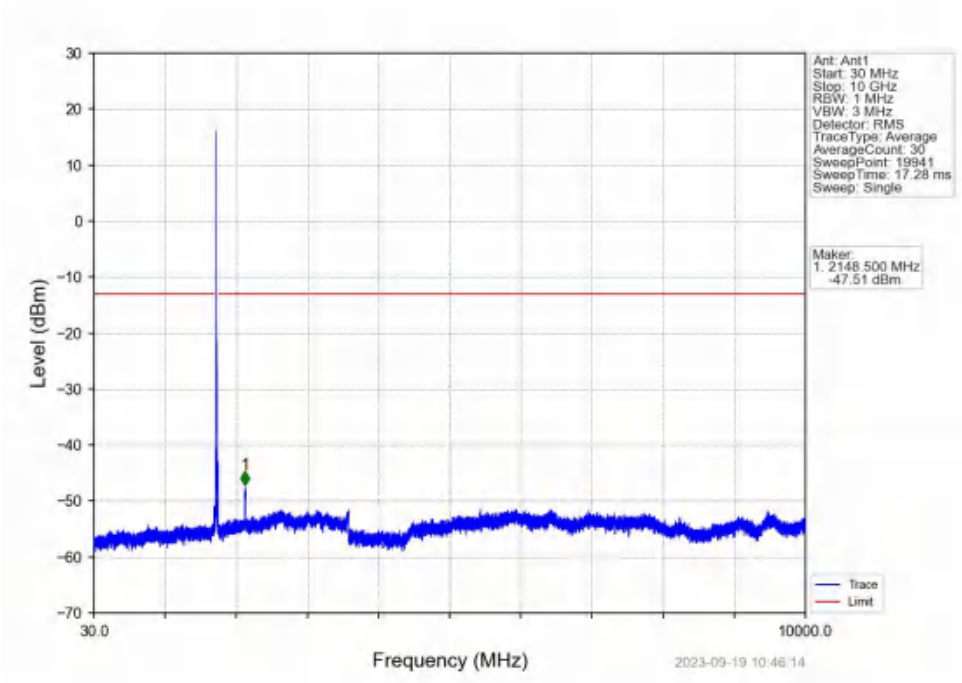
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



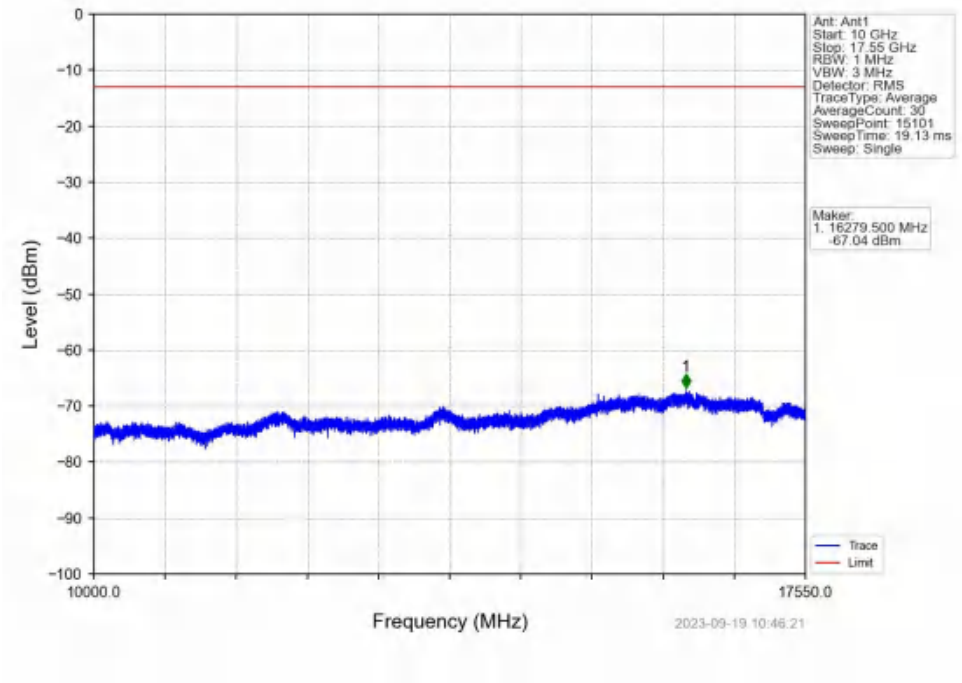
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



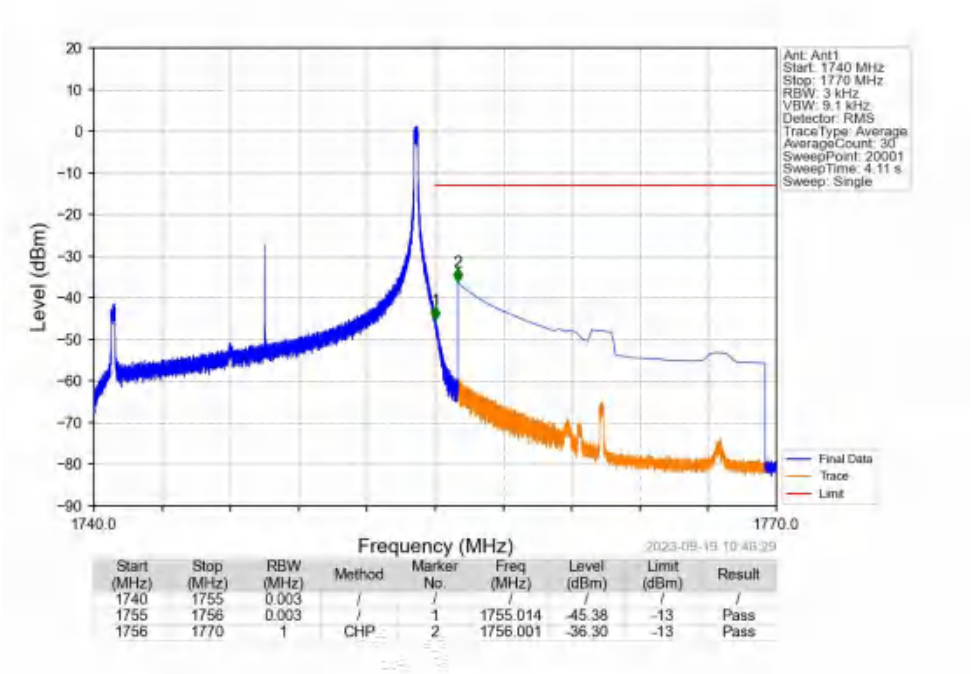
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV

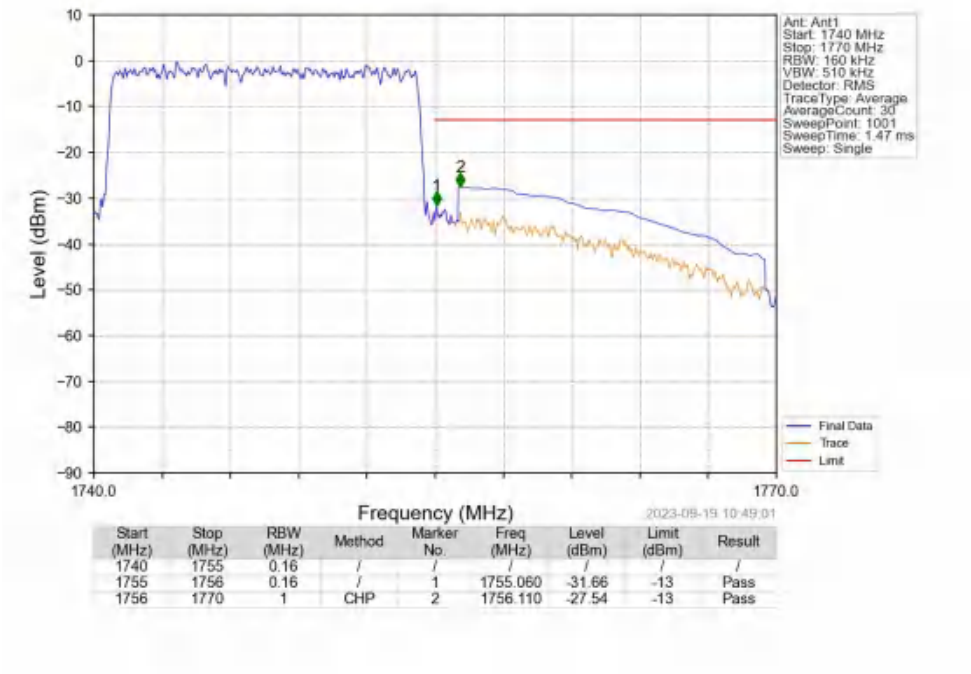


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.014	-45.38	-13	Pass
1756	1770	1	CHP	2	1756.001	-36.30	-13	Pass

Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.16	/	/	/	/	/	/
1755	1756	0.16	/	1	1755.060	-31.66	-13	Pass
1756	1770	1	CHP	2	1756.110	-27.54	-13	Pass

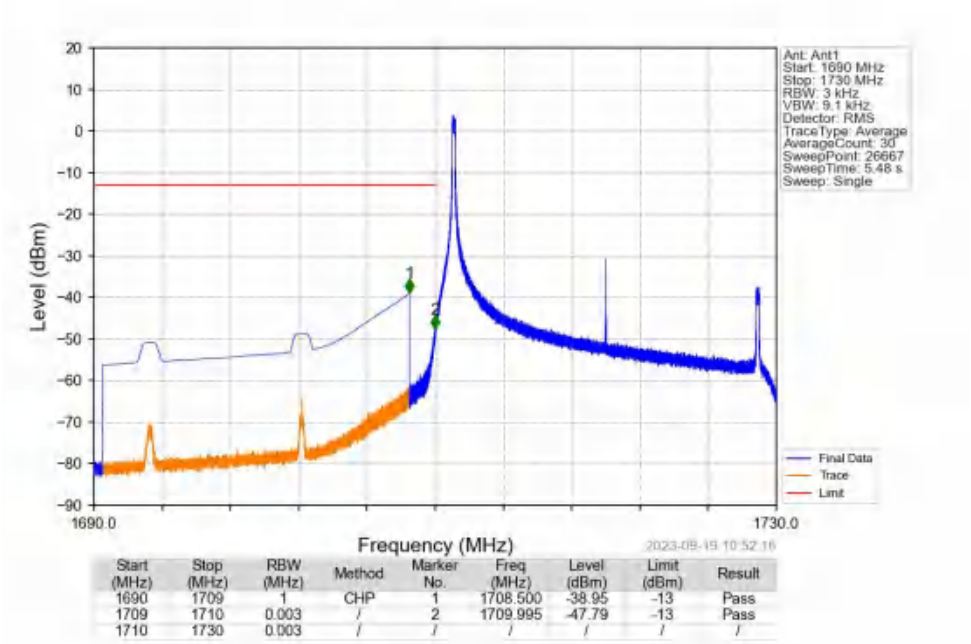
6.6 B4_20MHz

6.6.1 Test Result

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

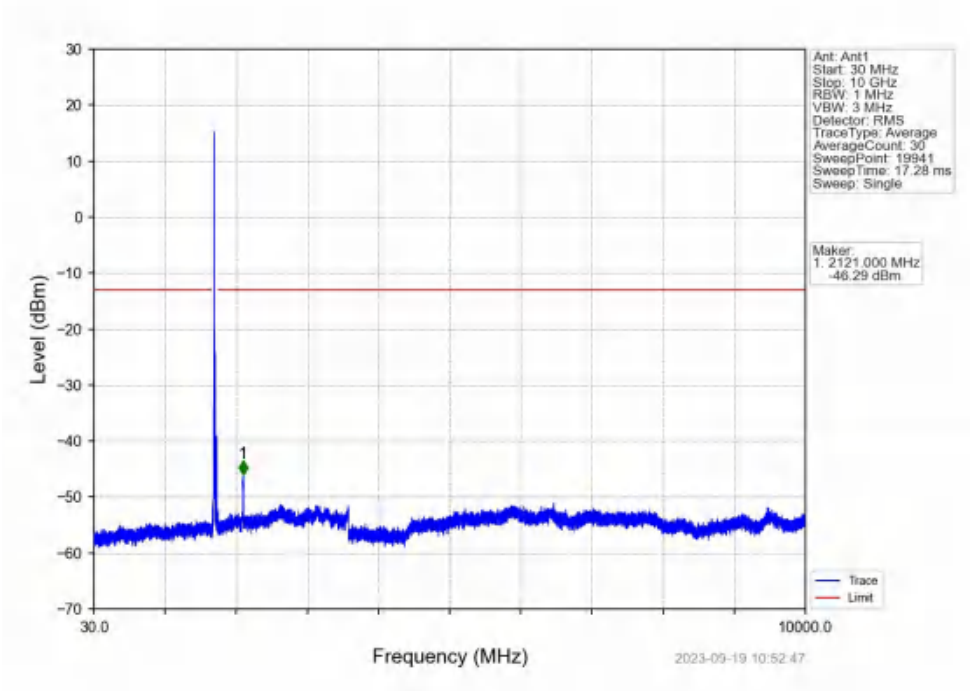
6.6.2 Test Graph

Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

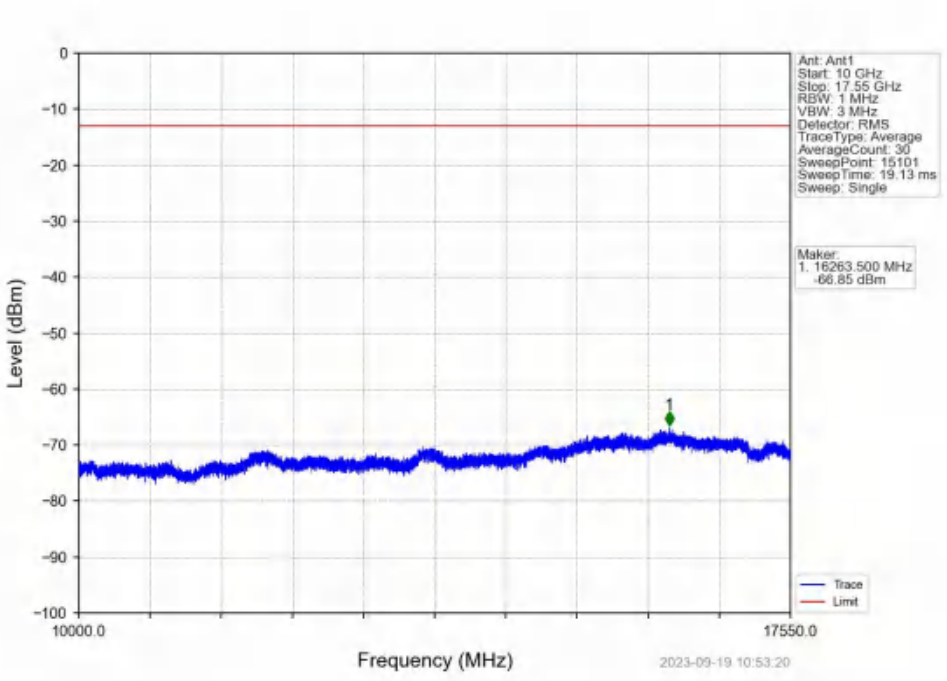


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.500	-38.95	-13	Pass
1709	1710	0.003	/	2	1709.995	-47.79	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

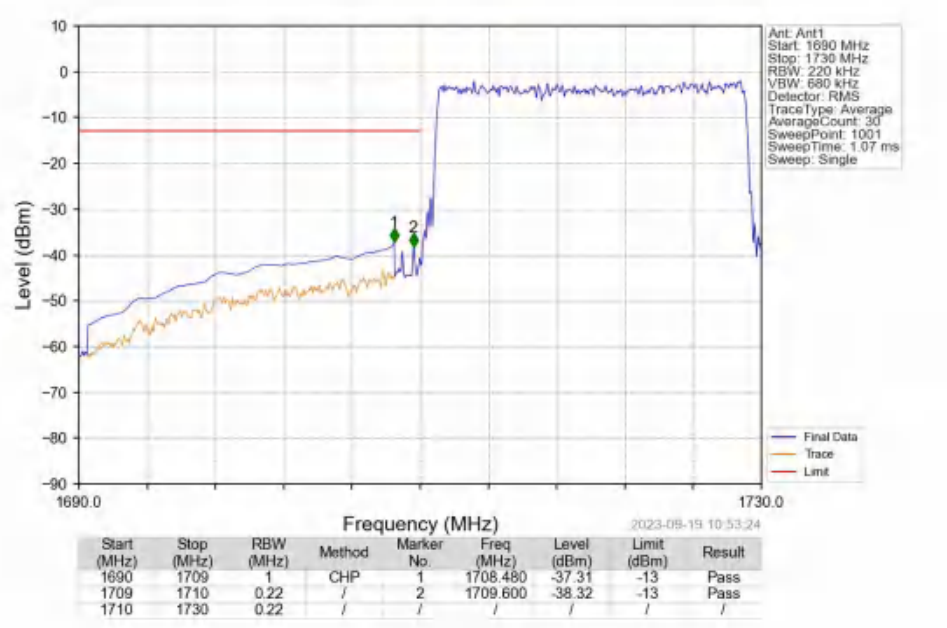
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

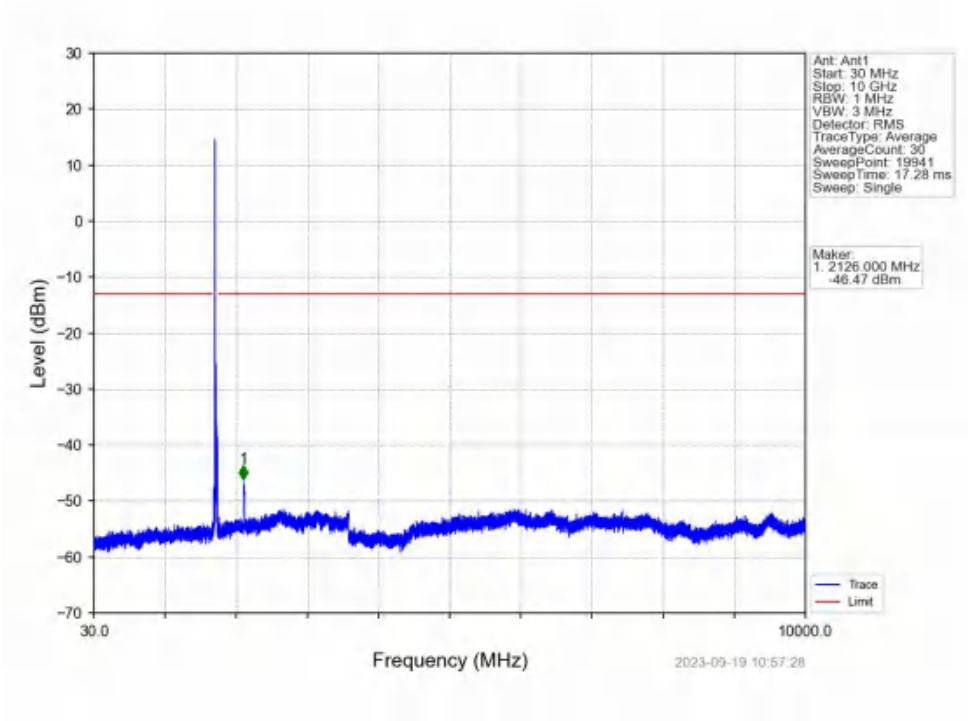


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

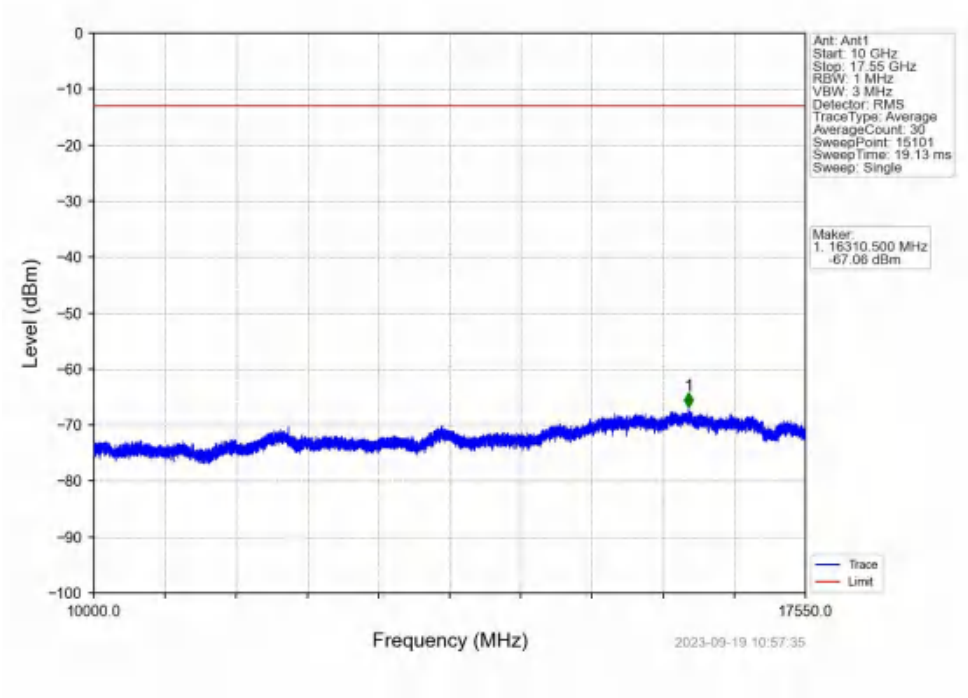


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-37.31	-13	Pass
1709	1710	0.22	/	2	1709.600	-38.32	-13	Pass
1710	1730	0.22	/	/	/	/	/	/

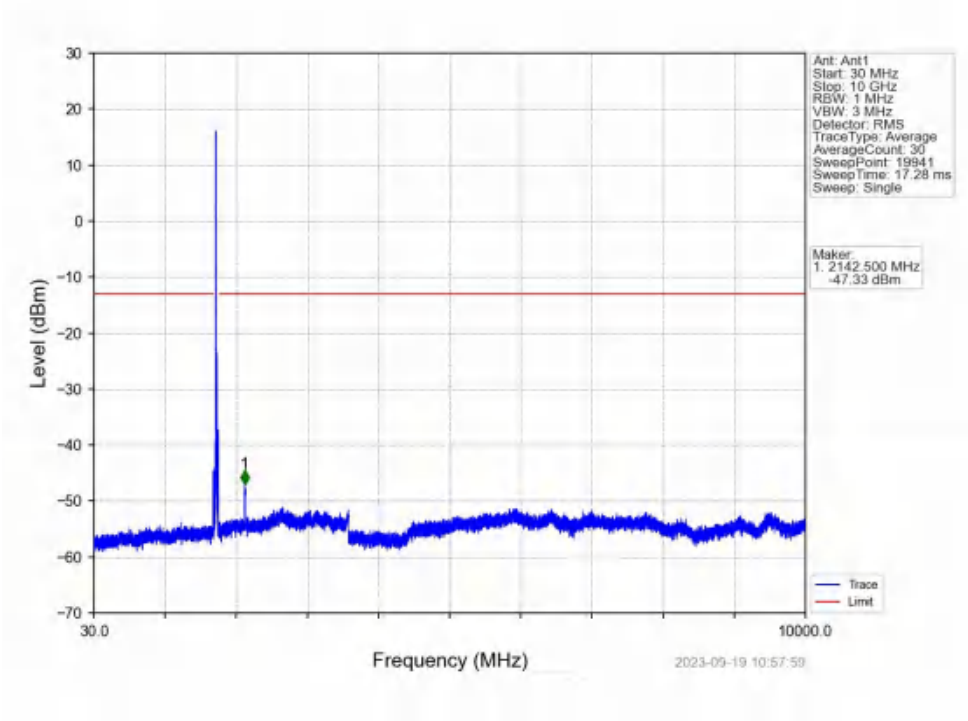
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



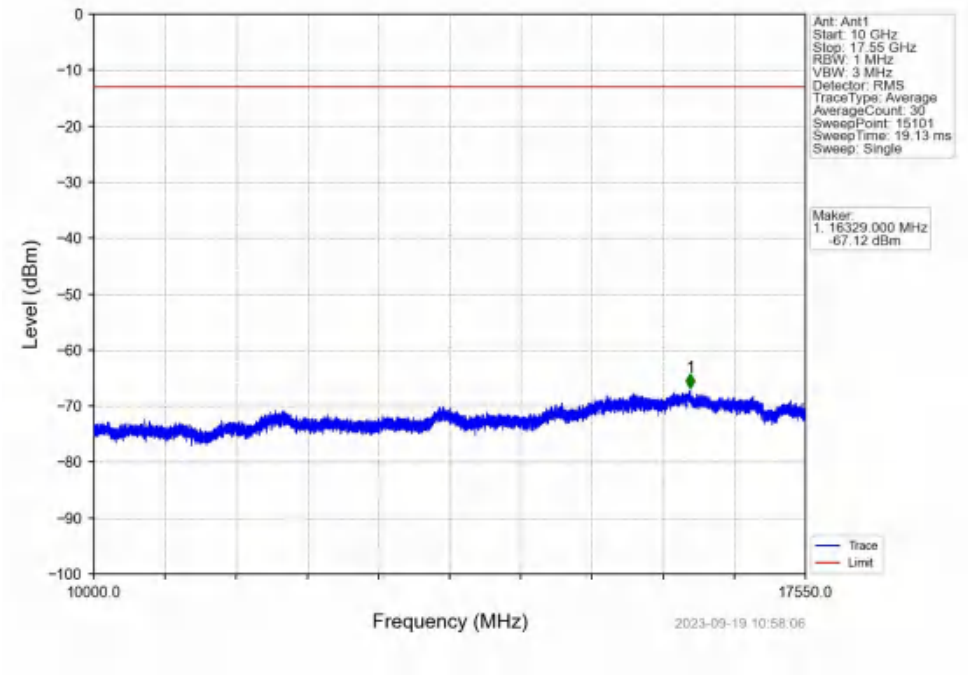
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



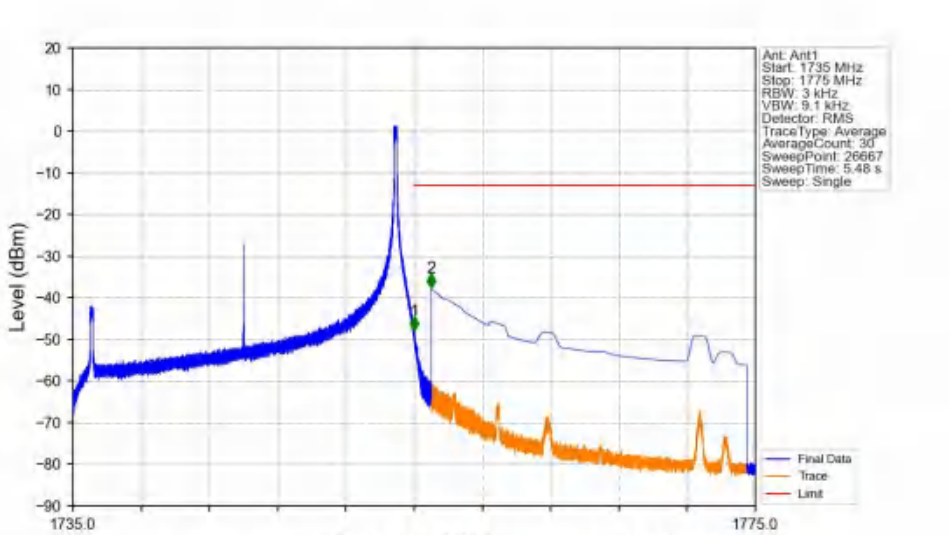
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

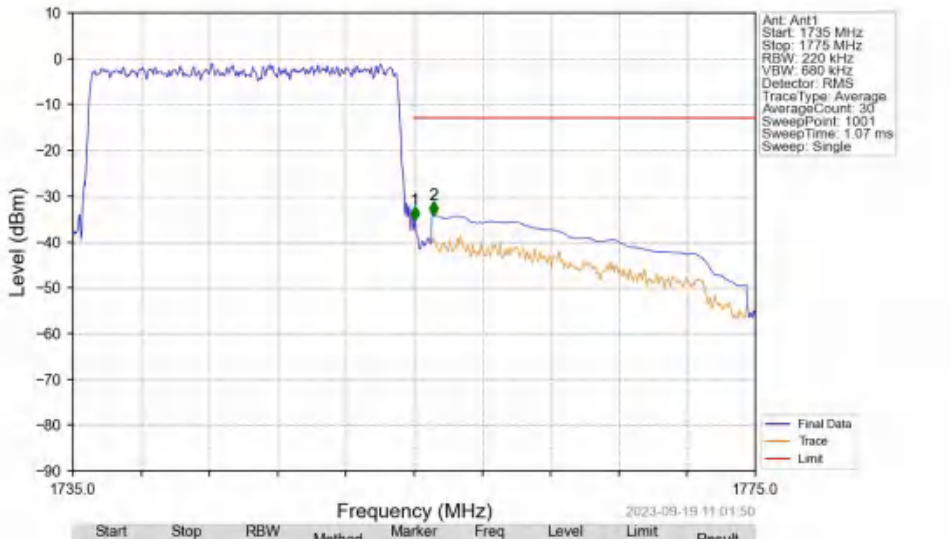


Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



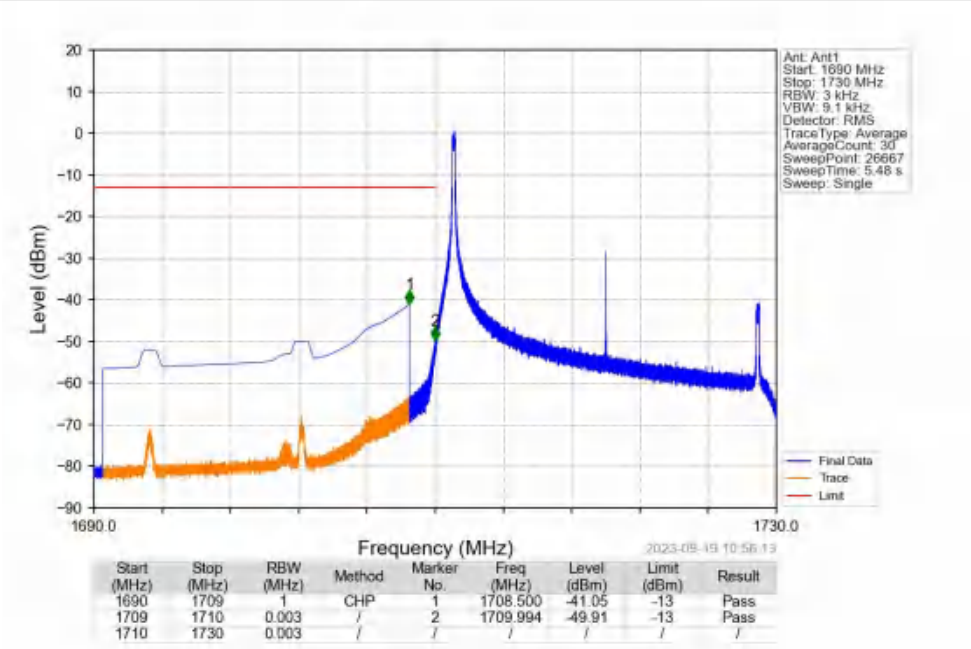
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.018	-47.97	-13	Pass
1756	1775	1	CHP	2	1756.001	-37.71	-13	Pass

Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



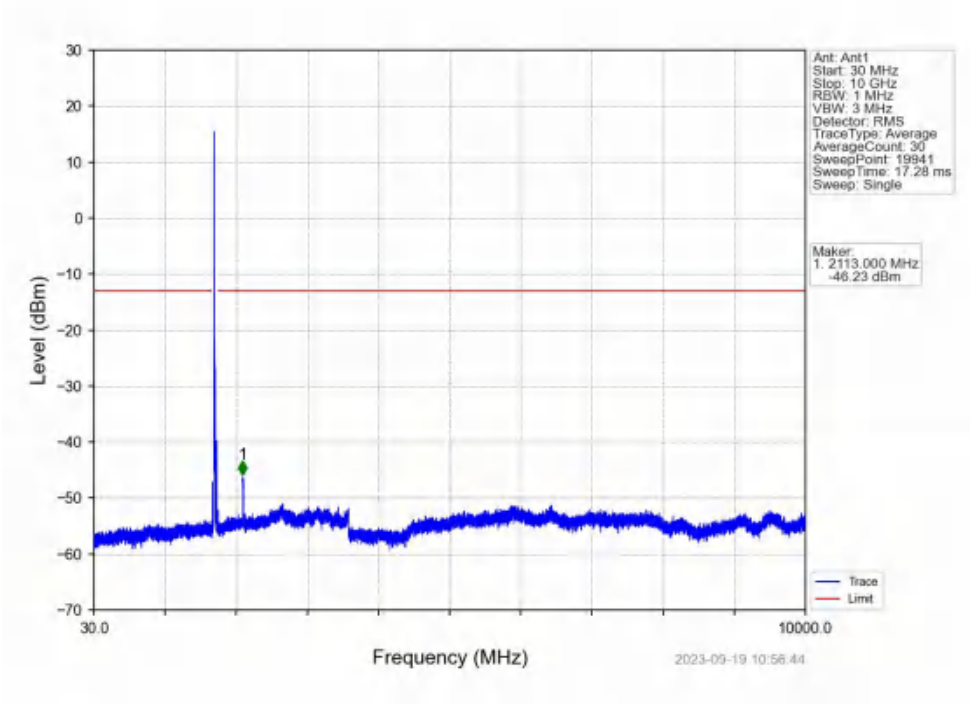
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.22	/	/	/	/	/	/
1755	1756	0.22	/	1	1755.040	-35.26	-13	Pass
1756	1775	1	CHP	2	1756.120	-34.18	-13	Pass

Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

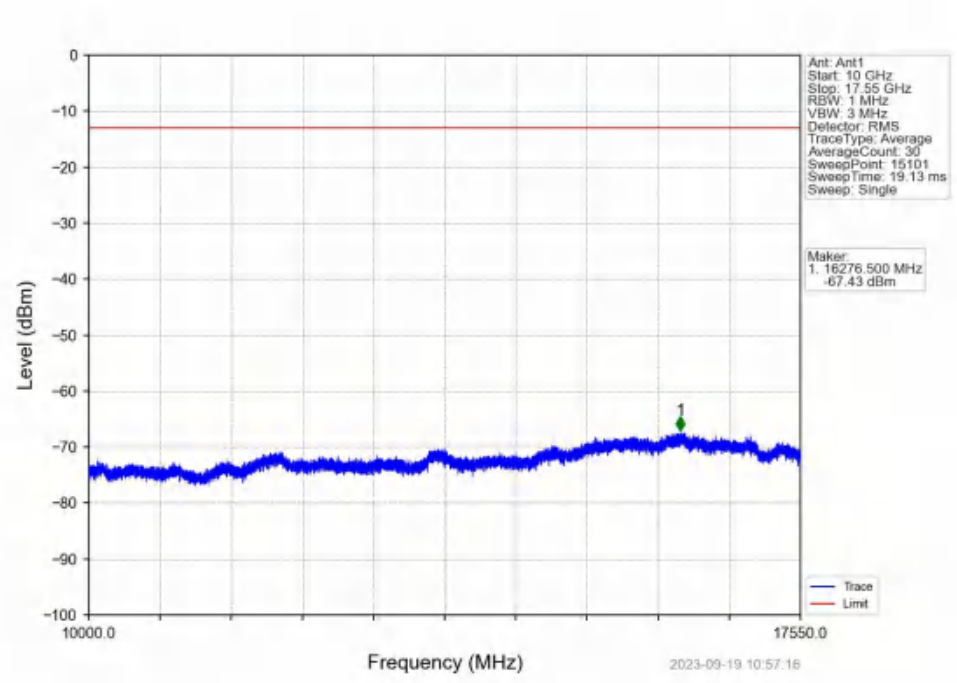


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.500	-41.05	-13	Pass
1709	1710	0.003	/	2	1709.994	-49.91	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

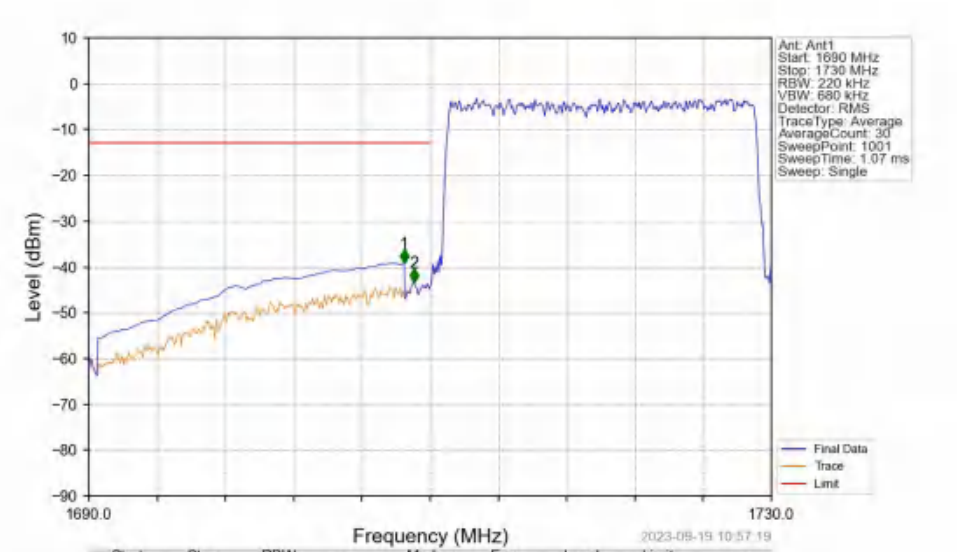
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

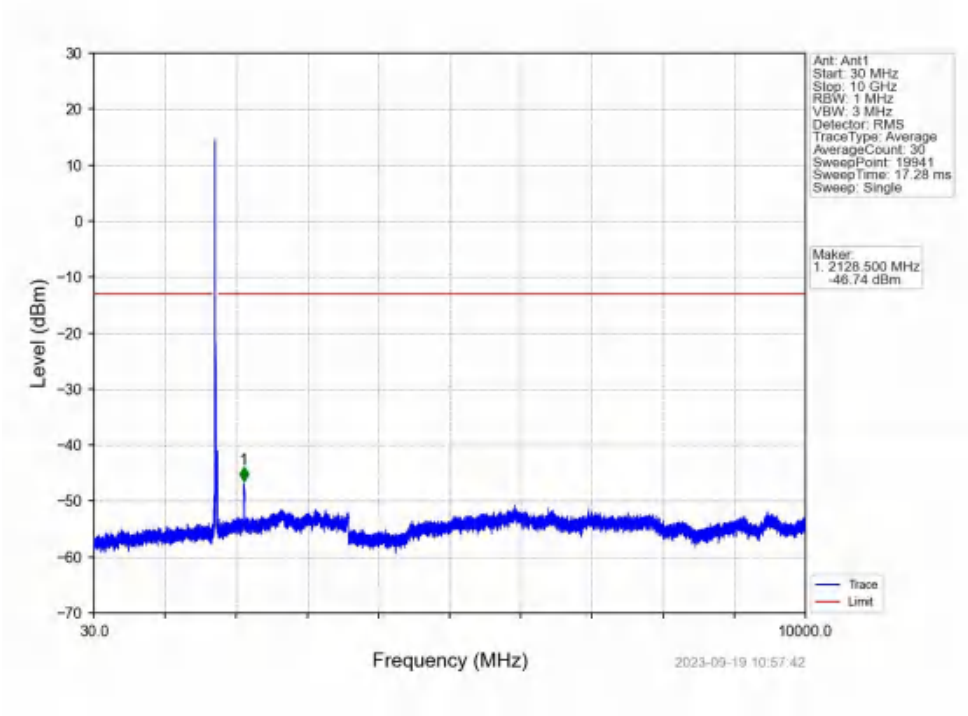


Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

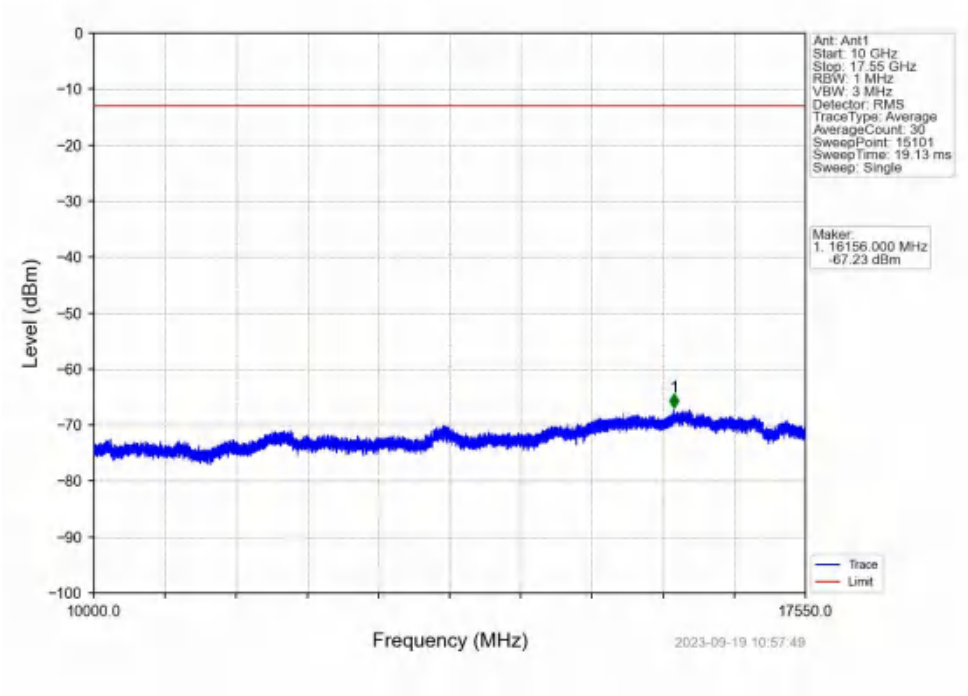


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-39.17	-13	Pass
1709	1710	0.22	/	2	1709.040	-43.44	-13	Pass
1710	1730	0.22	/	/	/	/	/	/

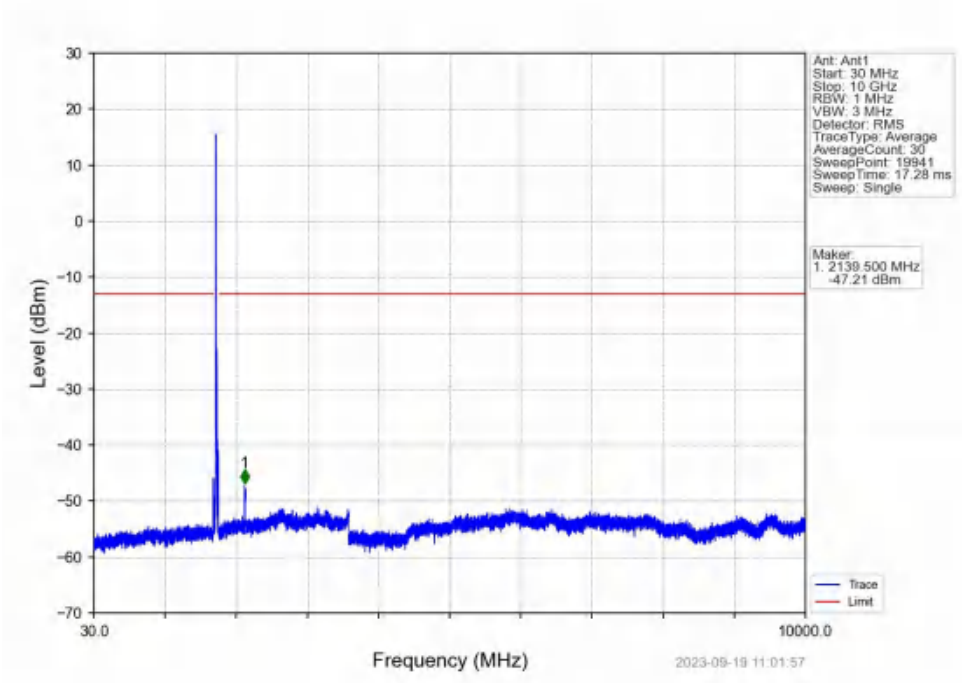
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



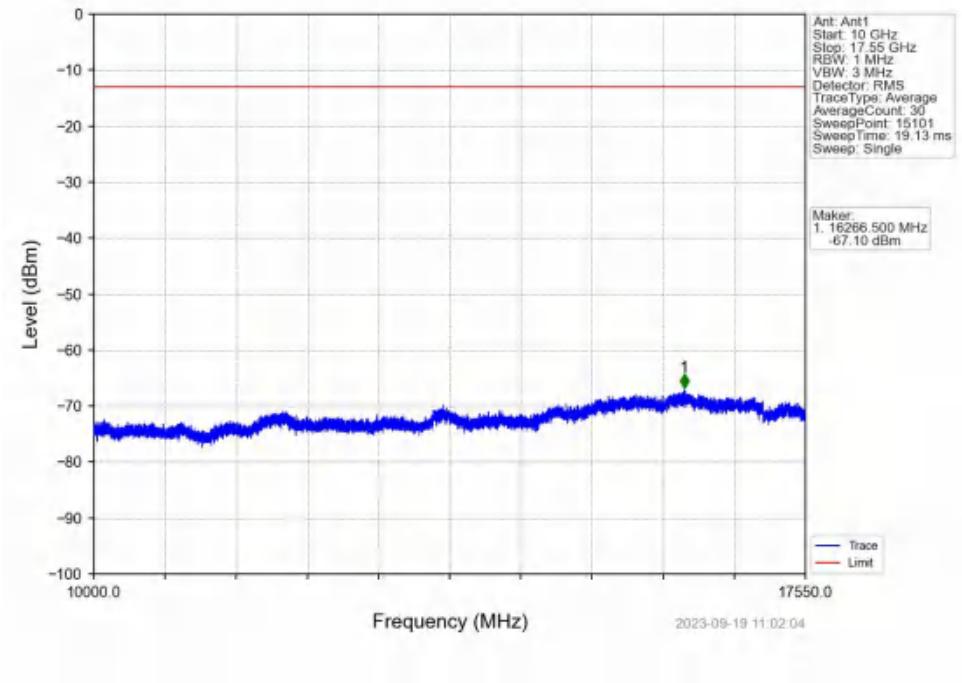
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



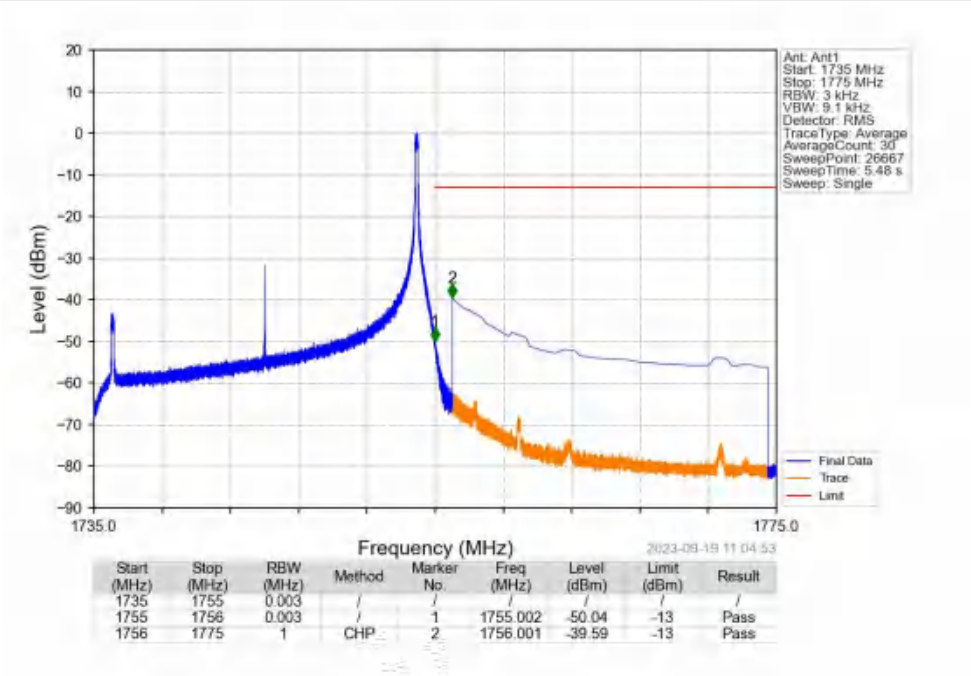
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV

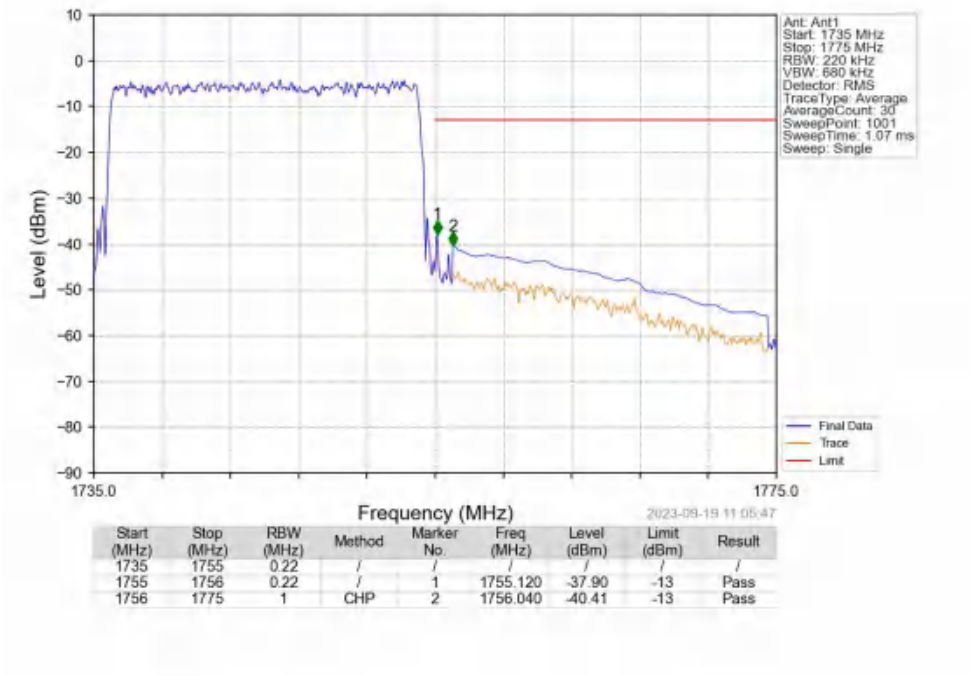


Band4_20MHz_16QAM_HCH_1745MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-50.04	-13	Pass
1756	1775	1	CHP	2	1756.001	-39.59	-13	Pass

Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.22	/	/	/	/	/	/
1755	1756	0.22	/	1	1755.120	-37.90	-13	Pass
1756	1775	1	CHP	2	1756.040	-40.41	-13	Pass

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	0.1035	0.0239	ppm	1M12G7D	24E	20.15
4	1.4	1710.7	1754.3	0.0800	0.0252	ppm	1M12W7D	24E	19.03
4	3	1711.5	1753.5	0.0914	0.0219	ppm	2M77G7D	24E	19.61
4	3	1711.5	1753.5	0.0891	0.0167	ppm	2M79W7D	24E	19.50
4	5	1712.5	1752.5	0.1035	0.0218	ppm	4M58G7D	24E	20.15
4	5	1712.5	1752.5	0.0920	0.0126	ppm	4M59W7D	24E	19.64
4	10	1715	1750	0.0805	0.0101	ppm	9M09G7D	24E	19.06
4	10	1715	1750	0.0793	0.0072	ppm	9M12W7D	24E	18.99
4	15	1717.5	1747.5	0.0466	0.0217	ppm	13M6G7D	24E	16.68
4	15	1717.5	1747.5	0.0396	0.0259	ppm	13M6W7D	24E	15.98
4	20	1720	1745	0.0873	0.0218	ppm	18M2G7D	24E	19.41
4	20	1720	1745	0.0871	0.0109	ppm	18M2W7D	24E	19.40

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	0.1156	0.0239	ppm	1M12G7D	24E	20.63
4	1.4	1710.7	1754.3	0.0893	0.0252	ppm	1M12W7D	24E	19.51
4	3	1711.5	1753.5	0.1021	0.0219	ppm	2M77G7D	24E	20.09
4	3	1711.5	1753.5	0.0995	0.0167	ppm	2M79W7D	24E	19.98
4	5	1712.5	1752.5	0.1156	0.0218	ppm	4M58G7D	24E	20.63
4	5	1712.5	1752.5	0.1028	0.0126	ppm	4M59W7D	24E	20.12
4	10	1715	1750	0.0899	0.0101	ppm	9M09G7D	24E	19.54
4	10	1715	1750	0.0885	0.0072	ppm	9M12W7D	24E	19.47
4	15	1717.5	1747.5	0.0520	0.0217	ppm	13M6G7D	24E	17.16
4	15	1717.5	1747.5	0.0443	0.0259	ppm	13M6W7D	24E	16.46
4	20	1720	1745	0.0975	0.0218	ppm	18M2G7D	24E	19.89
4	20	1720	1745	0.0973	0.0109	ppm	18M2W7D	24E	19.88