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	18.58	-1.96	16.62	<=30	Pass
			2	18.66	-1.96	16.70	<=30	Pass
			5	18.48	-1.96	16.52	<=30	Pass
		3	0	18.71	-1.96	16.75	<=30	Pass
			2	18.63	-1.96	16.67	<=30	Pass
			3	18.65	-1.96	16.69	<=30	Pass
		6	0	17.65	-1.96	15.69	<=30	Pass
	1732.5	1	0	15.72	-1.96	13.76	<=30	Pass
			2	15.76	-1.96	13.80	<=30	Pass
			5	15.64	-1.96	13.68	<=30	Pass
		3	0	15.86	-1.96	13.90	<=30	Pass
			2	15.88	-1.96	13.92	<=30	Pass
			3	15.77	-1.96	13.81	<=30	Pass
		6	0	14.74	-1.96	12.78	<=30	Pass
	1754.3	1	0	12.42	-1.96	10.46	<=30	Pass
			2	12.49	-1.96	10.53	<=30	Pass
			5	12.27	-1.96	10.31	<=30	Pass
		3	0	12.51	-1.96	10.55	<=30	Pass
			2	12.46	-1.96	10.50	<=30	Pass
			3	12.45	-1.96	10.49	<=30	Pass
		6	0	11.42	-1.96	9.46	<=30	Pass
16QAM	1710.7	1	0	17.81	-1.96	15.85	<=30	Pass
			2	17.87	-1.96	15.91	<=30	Pass
			5	17.57	-1.96	15.61	<=30	Pass
		3	0	17.29	-1.96	15.33	<=30	Pass
			2	17.24	-1.96	15.28	<=30	Pass
			3	17.25	-1.96	15.29	<=30	Pass
		6	0	16.19	-1.96	14.23	<=30	Pass
	1732.5	1	0	14.78	-1.96	12.82	<=30	Pass
			2	14.93	-1.96	12.97	<=30	Pass
			5	14.68	-1.96	12.72	<=30	Pass
		3	0	15.12	-1.96	13.16	<=30	Pass
			2	15.10	-1.96	13.14	<=30	Pass
			3	15.12	-1.96	13.16	<=30	Pass
		6	0	13.79	-1.96	11.83	<=30	Pass
	1754.3	1	0	11.47	-1.96	9.51	<=30	Pass
			2	11.52	-1.96	9.56	<=30	Pass
			5	11.35	-1.96	9.39	<=30	Pass
		3	0	11.66	-1.96	9.70	<=30	Pass
			2	11.57	-1.96	9.61	<=30	Pass
			3	11.53	-1.96	9.57	<=30	Pass
		6	0	10.37	-1.96	8.41	<=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	18.24	-1.96	16.28	<=30	Pass
			7	18.23	-1.96	16.27	<=30	Pass
			14	17.97	-1.96	16.01	<=30	Pass
		8	0	17.21	-1.96	15.25	<=30	Pass
			4	17.16	-1.96	15.20	<=30	Pass
			7	17.05	-1.96	15.09	<=30	Pass
		15	0	17.18	-1.96	15.22	<=30	Pass
	1732.5	1	0	16.00	-1.96	14.04	<=30	Pass
			7	16.02	-1.96	14.06	<=30	Pass
			14	15.73	-1.96	13.77	<=30	Pass
		8	0	14.94	-1.96	12.98	<=30	Pass
			4	14.89	-1.96	12.93	<=30	Pass
			7	14.81	-1.96	12.85	<=30	Pass
		15	0	14.87	-1.96	12.91	<=30	Pass
	1753.5	1	0	12.88	-1.96	10.92	<=30	Pass
			7	12.79	-1.96	10.83	<=30	Pass
			14	12.37	-1.96	10.41	<=30	Pass
		8	0	11.80	-1.96	9.84	<=30	Pass
			4	11.67	-1.96	9.71	<=30	Pass
			7	11.54	-1.96	9.58	<=30	Pass
		15	0	11.70	-1.96	9.74	<=30	Pass
16QAM	1711.5	1	0	17.92	-1.96	15.96	<=30	Pass
			7	17.92	-1.96	15.96	<=30	Pass
			14	17.61	-1.96	15.65	<=30	Pass
		8	0	16.41	-1.96	14.45	<=30	Pass
			4	16.35	-1.96	14.39	<=30	Pass
			7	16.29	-1.96	14.33	<=30	Pass
		15	0	16.27	-1.96	14.31	<=30	Pass
	1732.5	1	0	15.03	-1.96	13.07	<=30	Pass
			7	15.03	-1.96	13.07	<=30	Pass
			14	14.75	-1.96	12.79	<=30	Pass
		8	0	13.99	-1.96	12.03	<=30	Pass
			4	13.97	-1.96	12.01	<=30	Pass
			7	13.86	-1.96	11.90	<=30	Pass
		15	0	13.94	-1.96	11.98	<=30	Pass
	1753.5	1	0	12.06	-1.96	10.10	<=30	Pass
			7	11.98	-1.96	10.02	<=30	Pass
			14	11.58	-1.96	9.62	<=30	Pass
		8	0	10.79	-1.96	8.83	<=30	Pass
			4	10.68	-1.96	8.72	<=30	Pass
			7	10.53	-1.96	8.57	<=30	Pass
		15	0	10.69	-1.96	8.73	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	18.12	-1.96	16.16	<=30	Pass
			13	17.98	-1.96	16.02	<=30	Pass
			24	17.66	-1.96	15.70	<=30	Pass
		12	0	17.09	-1.96	15.13	<=30	Pass
			6	17.02	-1.96	15.06	<=30	Pass
			13	16.79	-1.96	14.83	<=30	Pass
		25	0	16.99	-1.96	15.03	<=30	Pass
	1732.5	1	0	15.86	-1.96	13.90	<=30	Pass
			13	15.82	-1.96	13.86	<=30	Pass
			24	15.48	-1.96	13.52	<=30	Pass
		12	0	14.80	-1.96	12.84	<=30	Pass
			6	14.83	-1.96	12.87	<=30	Pass
			13	14.66	-1.96	12.70	<=30	Pass
		25	0	14.76	-1.96	12.80	<=30	Pass
	1752.5	1	0	13.12	-1.96	11.16	<=30	Pass
			13	12.85	-1.96	10.89	<=30	Pass
			24	12.33	-1.96	10.37	<=30	Pass
		12	0	12.03	-1.96	10.07	<=30	Pass
			6	11.85	-1.96	9.89	<=30	Pass
			13	11.59	-1.96	9.63	<=30	Pass
		25	0	11.79	-1.96	9.83	<=30	Pass
16QAM	1712.5	1	0	17.26	-1.96	15.30	<=30	Pass
			13	17.14	-1.96	15.18	<=30	Pass
			24	16.81	-1.96	14.85	<=30	Pass
		12	0	16.16	-1.96	14.20	<=30	Pass
			6	16.06	-1.96	14.10	<=30	Pass
			13	15.79	-1.96	13.83	<=30	Pass
		25	0	16.06	-1.96	14.10	<=30	Pass
	1732.5	1	0	15.24	-1.96	13.28	<=30	Pass
			13	15.03	-1.96	13.07	<=30	Pass
			24	14.78	-1.96	12.82	<=30	Pass
		12	0	13.90	-1.96	11.94	<=30	Pass
			6	13.91	-1.96	11.95	<=30	Pass
			13	13.76	-1.96	11.80	<=30	Pass
		25	0	13.77	-1.96	11.81	<=30	Pass
	1752.5	1	0	12.00	-1.96	10.04	<=30	Pass
			13	11.71	-1.96	9.75	<=30	Pass
			24	11.24	-1.96	9.28	<=30	Pass
		12	0	11.06	-1.96	9.10	<=30	Pass
			6	10.90	-1.96	8.94	<=30	Pass
			13	10.55	-1.96	8.59	<=30	Pass
		25	0	10.85	-1.96	8.89	<=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	18.12	-1.96	16.16	<=30	Pass
			25	17.91	-1.96	15.95	<=30	Pass

			49	17.15	-1.96	15.19	<=30	Pass
		25	0	17.11	-1.96	15.15	<=30	Pass
			13	16.79	-1.96	14.83	<=30	Pass
			25	16.49	-1.96	14.53	<=30	Pass
		50	0	16.86	-1.96	14.90	<=30	Pass
	1732.5	1	0	16.13	-1.96	14.17	<=30	Pass
			25	15.94	-1.96	13.98	<=30	Pass
			49	15.24	-1.96	13.28	<=30	Pass
		25	0	14.98	-1.96	13.02	<=30	Pass
			13	14.87	-1.96	12.91	<=30	Pass
			25	14.68	-1.96	12.72	<=30	Pass
		50	0	14.84	-1.96	12.88	<=30	Pass
	1750	1	0	13.96	-1.96	12.00	<=30	Pass
			25	13.37	-1.96	11.41	<=30	Pass
			49	12.34	-1.96	10.38	<=30	Pass
		25	0	12.79	-1.96	10.83	<=30	Pass
			13	12.32	-1.96	10.36	<=30	Pass
			25	11.88	-1.96	9.92	<=30	Pass
		50	0	12.36	-1.96	10.40	<=30	Pass
16QAM	1715	1	0	17.19	-1.96	15.23	<=30	Pass
			25	16.96	-1.96	15.00	<=30	Pass
			49	16.23	-1.96	14.27	<=30	Pass
		25	0	16.20	-1.96	14.24	<=30	Pass
			13	15.91	-1.96	13.95	<=30	Pass
			25	15.63	-1.96	13.67	<=30	Pass
		50	0	15.89	-1.96	13.93	<=30	Pass
	1732.5	1	0	15.31	-1.96	13.35	<=30	Pass
			25	15.16	-1.96	13.20	<=30	Pass
			49	14.49	-1.96	12.53	<=30	Pass
		25	0	14.05	-1.96	12.09	<=30	Pass
			13	13.86	-1.96	11.90	<=30	Pass
			25	13.71	-1.96	11.75	<=30	Pass
		50	0	13.87	-1.96	11.91	<=30	Pass
	1750	1	0	13.54	-1.96	11.58	<=30	Pass
			25	13.00	-1.96	11.04	<=30	Pass
			49	12.05	-1.96	10.09	<=30	Pass
		25	0	11.85	-1.96	9.89	<=30	Pass
			13	11.41	-1.96	9.45	<=30	Pass
			25	10.95	-1.96	8.99	<=30	Pass
		50	0	11.41	-1.96	9.45	<=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	17.93	-1.96	15.97	<=30	Pass
			38	17.36	-1.96	15.40	<=30	Pass
			74	16.38	-1.96	14.42	<=30	Pass
		36	0	16.83	-1.96	14.87	<=30	Pass
			18	16.44	-1.96	14.48	<=30	Pass
			39	15.95	-1.96	13.99	<=30	Pass

		75	0	16.50	-1.96	14.54	<=30	Pass
	1732.5	1	0	16.24	-1.96	14.28	<=30	Pass
			38	15.73	-1.96	13.77	<=30	Pass
			74	14.85	-1.96	12.89	<=30	Pass
		36	0	15.01	-1.96	13.05	<=30	Pass
			18	14.78	-1.96	12.82	<=30	Pass
			39	14.46	-1.96	12.50	<=30	Pass
		75	0	14.76	-1.96	12.80	<=30	Pass
	1747.5	1	0	14.63	-1.96	12.67	<=30	Pass
			38	13.68	-1.96	11.72	<=30	Pass
			74	12.27	-1.96	10.31	<=30	Pass
		36	0	13.36	-1.96	11.40	<=30	Pass
			18	12.84	-1.96	10.88	<=30	Pass
			39	12.04	-1.96	10.08	<=30	Pass
		75	0	12.78	-1.96	10.82	<=30	Pass
16QAM	1717.5	1	0	17.46	-1.96	15.50	<=30	Pass
			38	16.89	-1.96	14.93	<=30	Pass
			74	15.85	-1.96	13.89	<=30	Pass
		36	0	15.91	-1.96	13.95	<=30	Pass
			18	15.50	-1.96	13.54	<=30	Pass
			39	14.99	-1.96	13.03	<=30	Pass
		75	0	15.45	-1.96	13.49	<=30	Pass
	1732.5	1	0	15.44	-1.96	13.48	<=30	Pass
			38	14.95	-1.96	12.99	<=30	Pass
			74	14.02	-1.96	12.06	<=30	Pass
		36	0	14.05	-1.96	12.09	<=30	Pass
			18	13.84	-1.96	11.88	<=30	Pass
			39	13.52	-1.96	11.56	<=30	Pass
		75	0	13.74	-1.96	11.78	<=30	Pass
	1747.5	1	0	14.23	-1.96	12.27	<=30	Pass
			38	13.27	-1.96	11.31	<=30	Pass
			74	11.94	-1.96	9.98	<=30	Pass
		36	0	12.32	-1.96	10.36	<=30	Pass
			18	11.84	-1.96	9.88	<=30	Pass
			39	11.07	-1.96	9.11	<=30	Pass
		75	0	11.74	-1.96	9.78	<=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	17.75	-1.96	15.79	<=30	Pass
			50	17.21	-1.96	15.25	<=30	Pass
			99	15.68	-1.96	13.72	<=30	Pass
		50	0	16.82	-1.96	14.86	<=30	Pass
			25	16.21	-1.96	14.25	<=30	Pass
			50	15.64	-1.96	13.68	<=30	Pass
		100	0	16.29	-1.96	14.33	<=30	Pass
	1732.5	1	0	16.39	-1.96	14.43	<=30	Pass
			50	15.93	-1.96	13.97	<=30	Pass
			99	14.43	-1.96	12.47	<=30	Pass

		50	0	15.12	-1.96	13.16	<=30	Pass
			25	14.76	-1.96	12.80	<=30	Pass
			50	14.38	-1.96	12.42	<=30	Pass
		100	0	14.65	-1.96	12.69	<=30	Pass
	1745	1	0	15.12	-1.96	13.16	<=30	Pass
			50	14.31	-1.96	12.35	<=30	Pass
			99	12.18	-1.96	10.22	<=30	Pass
		50	0	13.83	-1.96	11.87	<=30	Pass
			25	13.21	-1.96	11.25	<=30	Pass
			50	12.30	-1.96	10.34	<=30	Pass
		100	0	13.14	-1.96	11.18	<=30	Pass
16QAM	1720	1	0	17.35	-1.96	15.39	<=30	Pass
			50	16.85	-1.96	14.89	<=30	Pass
			99	15.29	-1.96	13.33	<=30	Pass
		50	0	15.89	-1.96	13.93	<=30	Pass
			25	15.26	-1.96	13.30	<=30	Pass
			50	14.68	-1.96	12.72	<=30	Pass
		100	0	15.33	-1.96	13.37	<=30	Pass
	1732.5	1	0	15.59	-1.96	13.63	<=30	Pass
			50	15.12	-1.96	13.16	<=30	Pass
			99	13.66	-1.96	11.70	<=30	Pass
		50	0	14.07	-1.96	12.11	<=30	Pass
			25	13.80	-1.96	11.84	<=30	Pass
			50	13.33	-1.96	11.37	<=30	Pass
		100	0	13.70	-1.96	11.74	<=30	Pass
	1745	1	0	14.33	-1.96	12.37	<=30	Pass
			50	13.58	-1.96	11.62	<=30	Pass
			99	11.54	-1.96	9.58	<=30	Pass
		50	0	12.84	-1.96	10.88	<=30	Pass
			25	12.19	-1.96	10.23	<=30	Pass
			50	11.31	-1.96	9.35	<=30	Pass
		100	0	12.15	-1.96	10.19	<=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	12.817	0.0075	-2.5 to 2.5	Pass
					3.85	14.377	0.0084	-2.5 to 2.5	Pass
					4.43	10.872	0.0064	-2.5 to 2.5	Pass
				-30	3.85	4.807	0.0028	-2.5 to 2.5	Pass
				-20	3.85	6.080	0.0036	-2.5 to 2.5	Pass
				-10	3.85	7.310	0.0043	-2.5 to 2.5	Pass
				0	3.85	-4.935	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-6.180	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-5.407	-0.0032	-2.5 to 2.5	Pass

	1732.5	6	0	20	3.27	-21.257	-0.0123	-2.5 to 2.5	Pass
					3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
					4.43	1.373	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-5.765	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-7.010	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	0.730	0.0004	-2.5 to 2.5	Pass
					3.85	-4.892	-0.0028	-2.5 to 2.5	Pass
					4.43	-6.080	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-14.577	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-4.549	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-17.481	-0.0100	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-0.129	-0.0001	-2.5 to 2.5	Pass
					3.85	2.089	0.0012	-2.5 to 2.5	Pass
					4.43	-1.874	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-3.862	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-2.246	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-26.765	-0.0156	-2.5 to 2.5	Pass
				30	3.85	-3.762	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-7.997	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-6.666	-0.0039	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-1.702	-0.0010	-2.5 to 2.5	Pass
					3.85	-5.322	-0.0031	-2.5 to 2.5	Pass
					4.43	-23.088	-0.0133	-2.5 to 2.5	Pass
				-30	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-5.937	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-1.831	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-1.888	-0.0011	-2.5 to 2.5	Pass
					3.85	-4.277	-0.0024	-2.5 to 2.5	Pass
					4.43	-4.191	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-6.523	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-59.881	-0.0341	-2.5 to 2.5	Pass
				0	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-6.008	-0.0034	-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	3.047	0.0018	-2.5 to 2.5	Pass
					3.85	9.184	0.0054	-2.5 to 2.5	Pass
					4.43	14.734	0.0086	-2.5 to 2.5	Pass
				-30	3.85	13.876	0.0081	-2.5 to 2.5	Pass
				-20	3.85	11.802	0.0069	-2.5 to 2.5	Pass
				-10	3.85	12.631	0.0074	-2.5 to 2.5	Pass
				0	3.85	4.506	0.0026	-2.5 to 2.5	Pass
				10	3.85	-7.324	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-5.236	-0.0031	-2.5 to 2.5	Pass
				40	3.85	1.731	0.0010	-2.5 to 2.5	Pass
				50	3.85	-4.277	-0.0025	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-10.271	-0.0059	-2.5 to 2.5	Pass
					3.85	0.358	0.0002	-2.5 to 2.5	Pass
					4.43	-2.961	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-5.980	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-4.063	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-5.150	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-8.383	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-4.649	-0.0027	-2.5 to 2.5	Pass
					3.85	-1.988	-0.0011	-2.5 to 2.5	Pass
					4.43	-1.473	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-8.368	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-6.394	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-8.168	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-8.898	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-5.436	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-5.851	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-6.866	-0.0039	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-3.777	-0.0022	-2.5 to 2.5	Pass
					3.85	-2.675	-0.0016	-2.5 to 2.5	Pass
					4.43	-9.198	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-9.971	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-3.562	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-2.990	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.532	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-5.236	-0.0031	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	0.100	0.0001	-2.5 to 2.5	Pass
					3.85	-9.370	-0.0054	-2.5 to 2.5	Pass
					4.43	-4.592	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-4.420	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	1.316	0.0008	-2.5 to 2.5	Pass

				-10	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-7.939	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
				30	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				40	3.85	-8.354	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-5.937	-0.0034	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-7.553	-0.0043	-2.5 to 2.5	Pass
					3.85	-7.410	-0.0042	-2.5 to 2.5	Pass
					4.43	-11.759	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-5.536	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-8.726	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-7.467	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-10.371	-0.0059	-2.5 to 2.5	Pass
				30	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				40	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				50	3.85	2.775	0.0016	-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	-8.125	-0.0047	-2.5 to 2.5	Pass
					3.85	1.860	0.0011	-2.5 to 2.5	Pass
					4.43	5.922	0.0035	-2.5 to 2.5	Pass
				-30	3.85	2.375	0.0014	-2.5 to 2.5	Pass
				-20	3.85	3.076	0.0018	-2.5 to 2.5	Pass
				-10	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-3.748	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-2.661	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-5.078	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-4.807	-0.0028	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-5.178	-0.0030	-2.5 to 2.5	Pass
					3.85	-4.721	-0.0027	-2.5 to 2.5	Pass
					4.43	-2.346	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	3.748	0.0022	-2.5 to 2.5	Pass
				-10	3.85	4.392	0.0025	-2.5 to 2.5	Pass
				0	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
				40	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				50	3.85	-2.003	-0.0012	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-6.695	-0.0038	-2.5 to 2.5	Pass
					3.85	0.801	0.0005	-2.5 to 2.5	Pass
					4.43	-2.489	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-63.558	-0.0363	-2.5 to 2.5	Pass

				30	3.85	-14.462	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-7.081	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	2.031	0.0012	-2.5 to 2.5	Pass
					3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
					4.43	2.303	0.0013	-2.5 to 2.5	Pass
				-30	3.85	2.232	0.0013	-2.5 to 2.5	Pass
				-20	3.85	-4.592	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	1.559	0.0009	-2.5 to 2.5	Pass
				0	3.85	1.302	0.0008	-2.5 to 2.5	Pass
				10	3.85	-6.952	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-7.582	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-8.426	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-7.124	-0.0042	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	1.173	0.0007	-2.5 to 2.5	Pass
					3.85	-4.420	-0.0026	-2.5 to 2.5	Pass
					4.43	-1.316	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-8.268	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				0	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
				10	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.558	0.0003	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-1.402	-0.0008	-2.5 to 2.5	Pass
					3.85	-8.669	-0.0049	-2.5 to 2.5	Pass
					4.43	-12.417	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-10.672	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-10.700	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-9.913	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-7.339	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-4.392	-0.0025	-2.5 to 2.5	Pass
				40	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				50	3.85	-8.197	-0.0047	-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	-6.094	-0.0036	-2.5 to 2.5	Pass
					3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
					4.43	-1.702	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.287	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-6.008	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-8.440	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-7.353	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-5.751	-0.0034	-2.5 to 2.5	Pass

	1732.5	50	0	20	3.27	-1.488	-0.0009	-2.5 to 2.5	Pass
					3.85	-12.317	-0.0071	-2.5 to 2.5	Pass
					4.43	-2.489	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-8.984	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-7.381	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-5.779	-0.0033	-2.5 to 2.5	Pass
				30	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				40	3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-1.988	-0.0011	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-5.808	-0.0033	-2.5 to 2.5	Pass
					3.85	-5.107	-0.0029	-2.5 to 2.5	Pass
					4.43	-5.322	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-9.942	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-5.121	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-6.609	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-14.133	-0.0081	-2.5 to 2.5	Pass
				10	3.85	-9.427	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-10.242	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-8.068	-0.0046	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-8.068	-0.0047	-2.5 to 2.5	Pass
					3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
					4.43	-5.836	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-5.679	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-7.782	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-12.546	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-13.218	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-7.553	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-6.208	-0.0036	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	1.259	0.0007	-2.5 to 2.5	Pass
					3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
					4.43	-11.287	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-7.868	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-13.719	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.176	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-4.420	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-11.516	-0.0066	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-2.875	-0.0016	-2.5 to 2.5	Pass
					3.85	-3.219	-0.0018	-2.5 to 2.5	Pass
					4.43	-3.505	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-1.988	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-8.111	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-6.509	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				10	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				30	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-3.576	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-5.980	-0.0034	-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	-2.561	-0.0015	-2.5 to 2.5	Pass
					3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
					4.43	-3.448	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-4.606	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-2.775	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-5.722	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-5.679	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-7.095	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-4.592	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-6.680	-0.0039	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-8.783	-0.0051	-2.5 to 2.5	Pass
					3.85	3.233	0.0019	-2.5 to 2.5	Pass
					4.43	-9.441	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-4.420	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-4.592	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-2.174	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-5.994	-0.0034	-2.5 to 2.5	Pass
					3.85	-10.457	-0.0060	-2.5 to 2.5	Pass
					4.43	-10.386	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-11.244	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-8.855	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-7.024	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-5.407	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-8.240	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-6.022	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-9.084	-0.0052	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-6.380	-0.0037	-2.5 to 2.5	Pass
					3.85	-8.211	-0.0048	-2.5 to 2.5	Pass
					4.43	-9.999	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-7.482	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-8.683	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-7.911	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-10.071	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-5.293	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-7.925	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-6.967	-0.0040	-2.5 to 2.5	Pass
					3.85	-4.091	-0.0024	-2.5 to 2.5	Pass
					4.43	-6.967	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-4.807	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-6.452	-0.0037	-2.5 to 2.5	Pass

				-10	3.85	1.159	0.0007	-2.5 to 2.5	Pass
				0	3.85	-3.591	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-2.689	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-4.249	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-5.779	-0.0033	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-2.990	-0.0017	-2.5 to 2.5	Pass
					3.85	-7.281	-0.0042	-2.5 to 2.5	Pass
					4.43	-5.465	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-4.950	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	10.343	0.0059	-2.5 to 2.5	Pass
				0	3.85	-7.024	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-6.251	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-8.669	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-7.911	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-11.473	-0.0066	-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	0.858	0.0005	-2.5 to 2.5	Pass
					3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
					4.43	1.559	0.0009	-2.5 to 2.5	Pass
				-30	3.85	3.004	0.0017	-2.5 to 2.5	Pass
				-20	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-7.010	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-8.054	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-6.137	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-5.465	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-5.364	-0.0031	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-5.207	-0.0030	-2.5 to 2.5	Pass
					3.85	-9.742	-0.0056	-2.5 to 2.5	Pass
					4.43	-5.207	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-2.675	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-8.969	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-7.067	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-5.436	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-4.492	-0.0026	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-5.579	-0.0032	-2.5 to 2.5	Pass
					3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
					4.43	-7.925	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-5.808	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-6.695	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-4.978	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-6.223	-0.0036	-2.5 to 2.5	Pass
				10	3.85	17.881	0.0102	-2.5 to 2.5	Pass

				30	3.85	-8.368	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-3.576	-0.0020	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-8.054	-0.0047	-2.5 to 2.5	Pass
					3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
					4.43	-5.136	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-9.241	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	6.351	0.0037	-2.5 to 2.5	Pass
				-10	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-9.756	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-6.752	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-6.208	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-7.210	-0.0042	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-2.532	-0.0015	-2.5 to 2.5	Pass
					3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
					4.43	-10.285	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-7.524	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-6.065	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-5.722	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-7.811	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-7.081	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-4.635	-0.0027	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-10.829	-0.0062	-2.5 to 2.5	Pass
					3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
					4.43	-10.800	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-7.710	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-5.107	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-5.407	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-8.698	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-4.563	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass

3. Modulation Characteristics

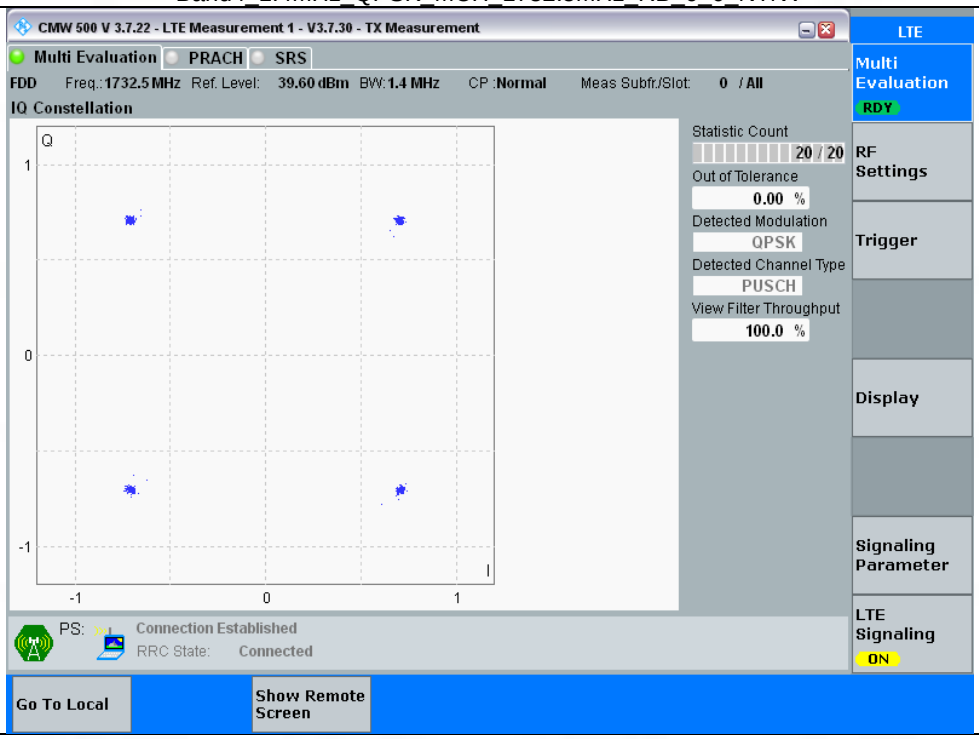
3.1 B4_1.4MHz

3.1.1 Test Result

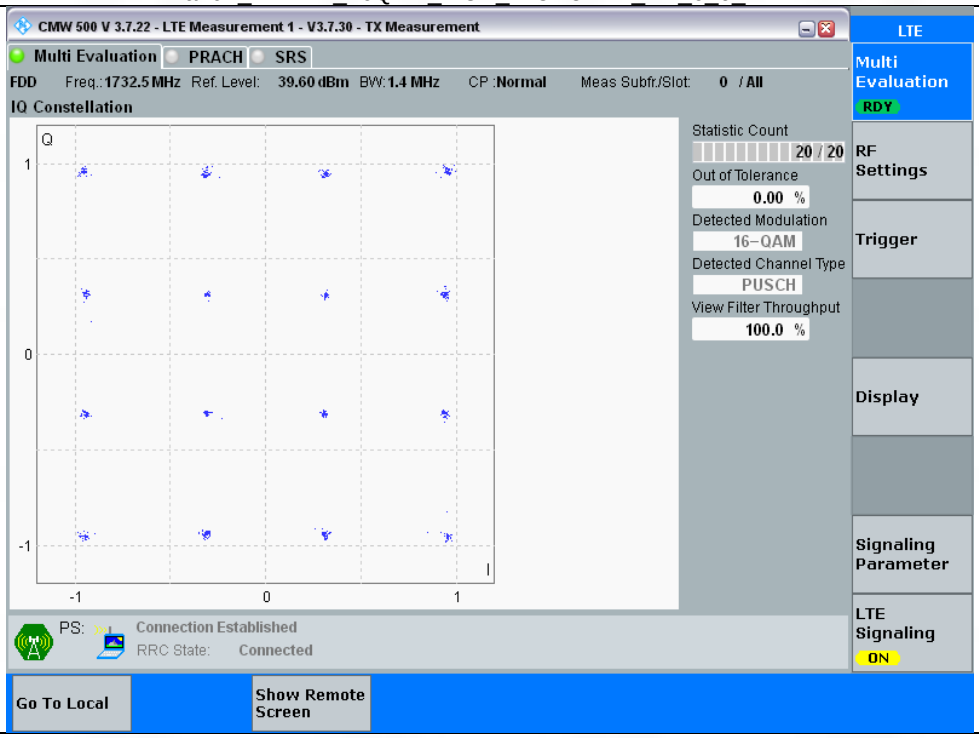
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

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



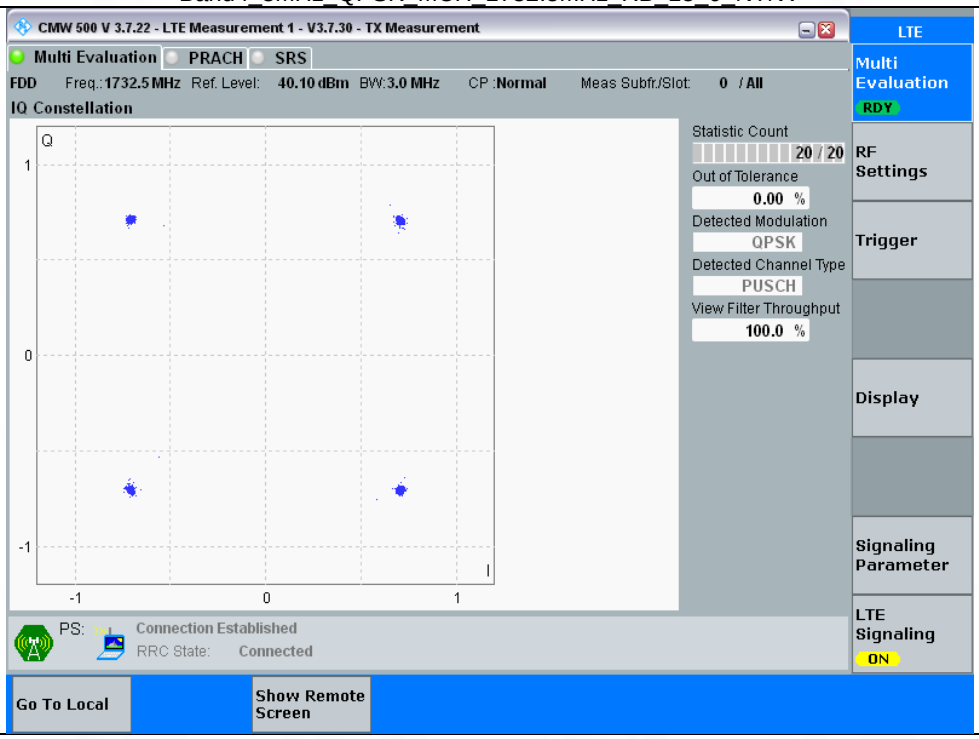
3.2 B4_3MHz

3.2.1 Test Result

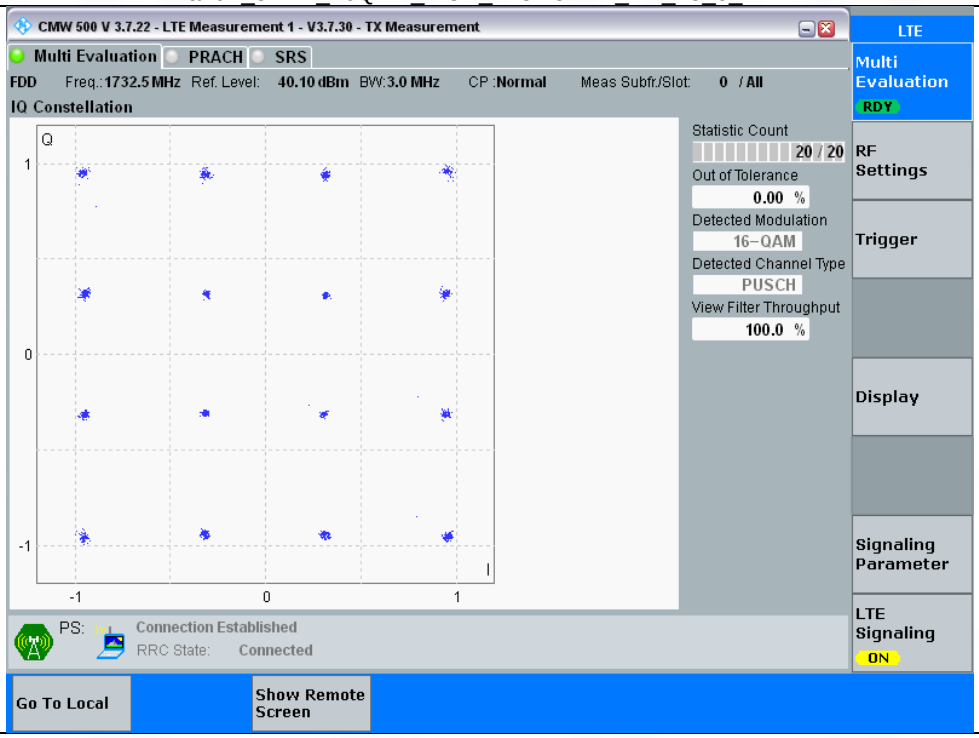
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

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



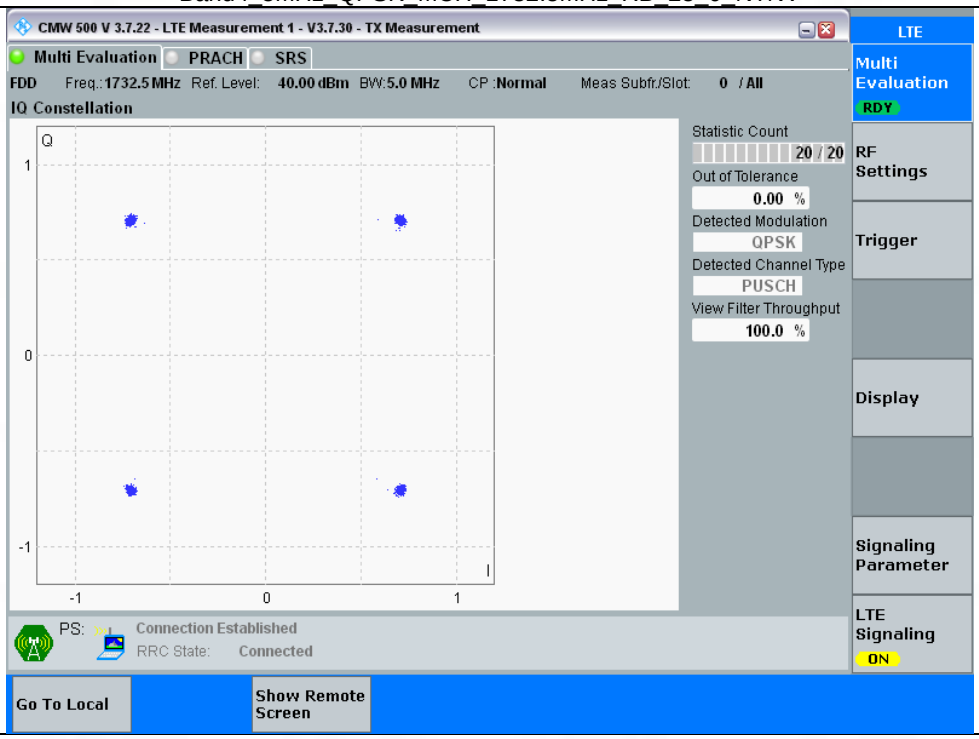
3.3 B4_5MHz

3.3.1 Test Result

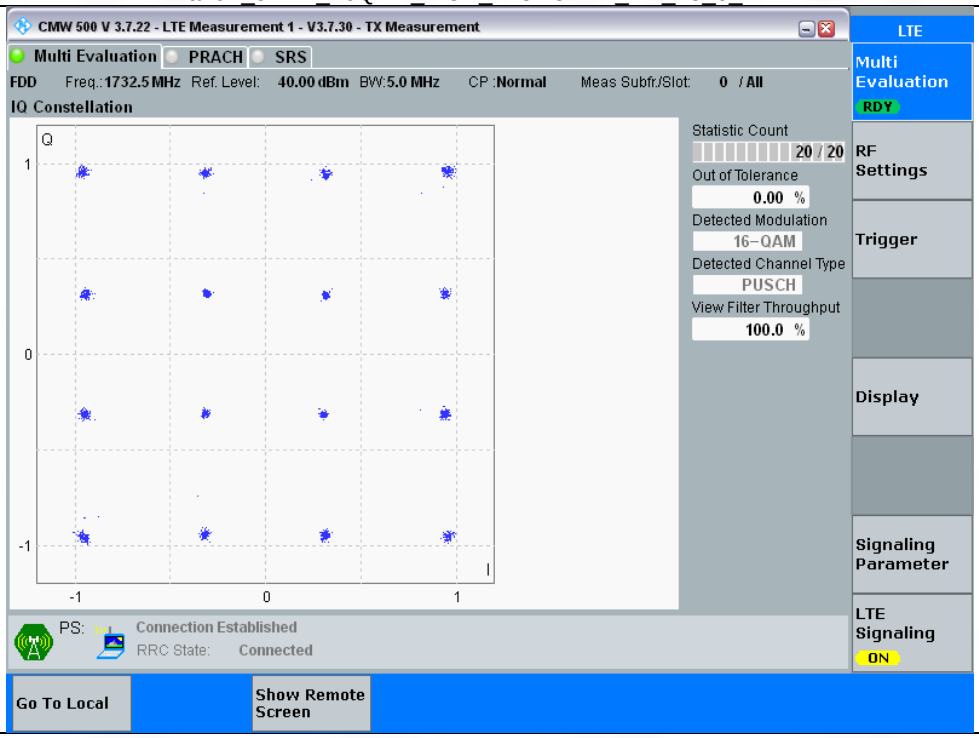
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

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

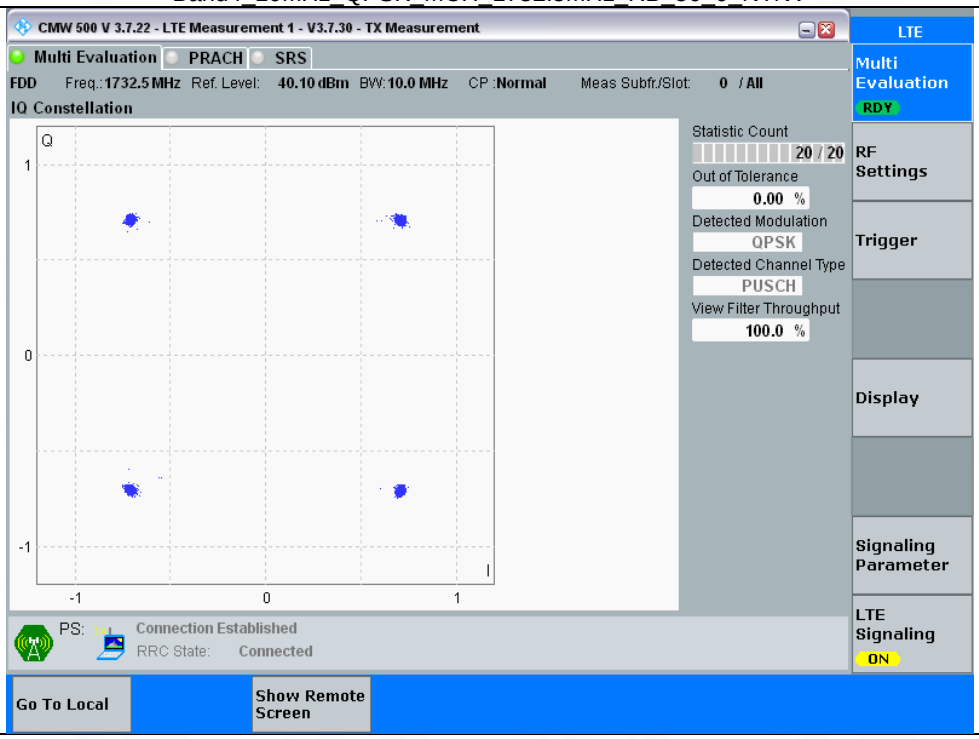
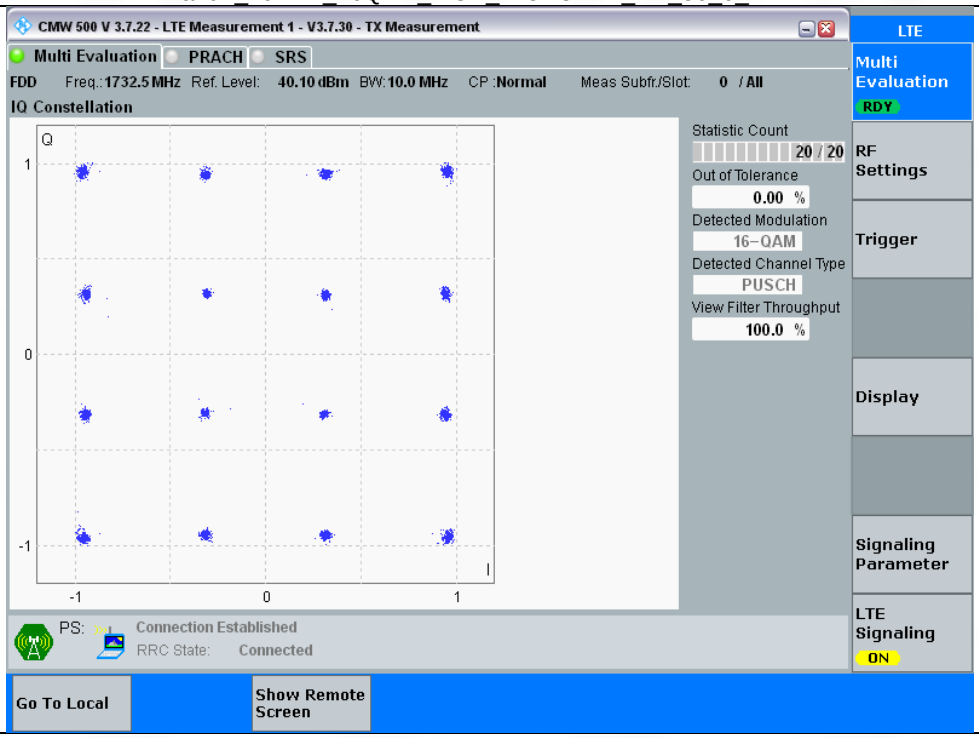


3.4 B4_10MHz

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


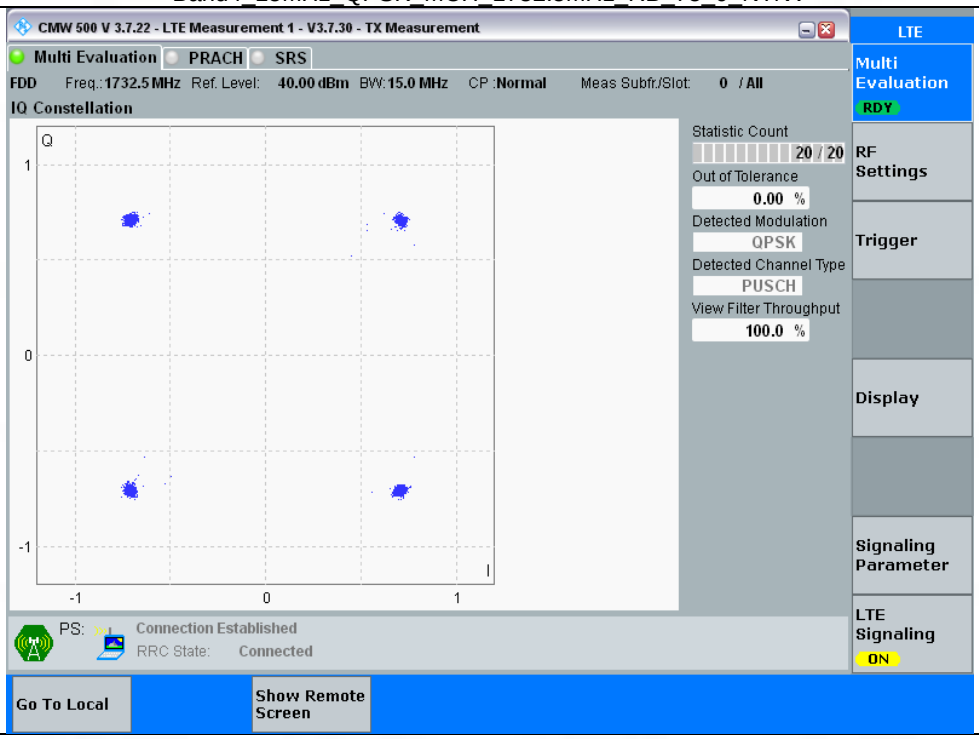
3.5 B4_15MHz

3.5.1 Test Result

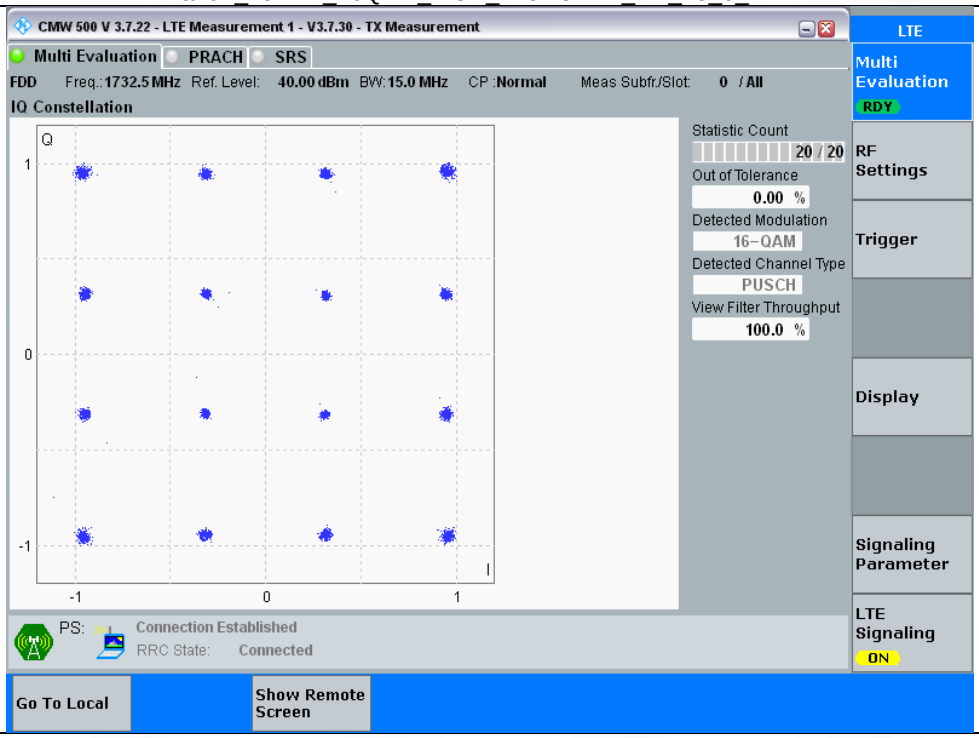
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

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



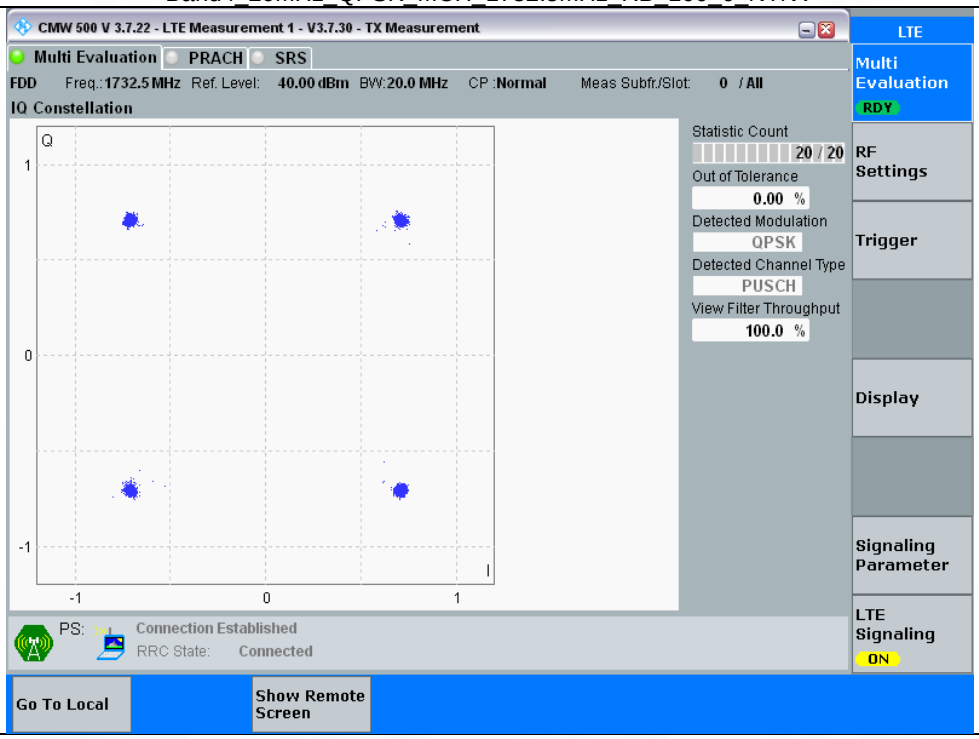
3.6 B4_20MHz

3.6.1 Test Result

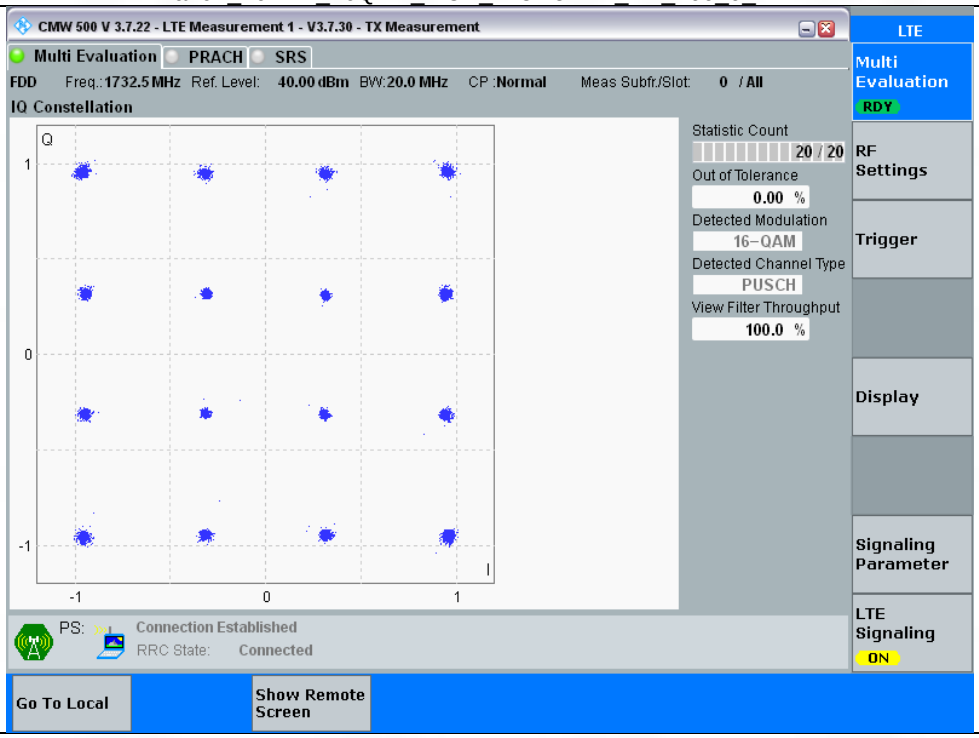
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

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

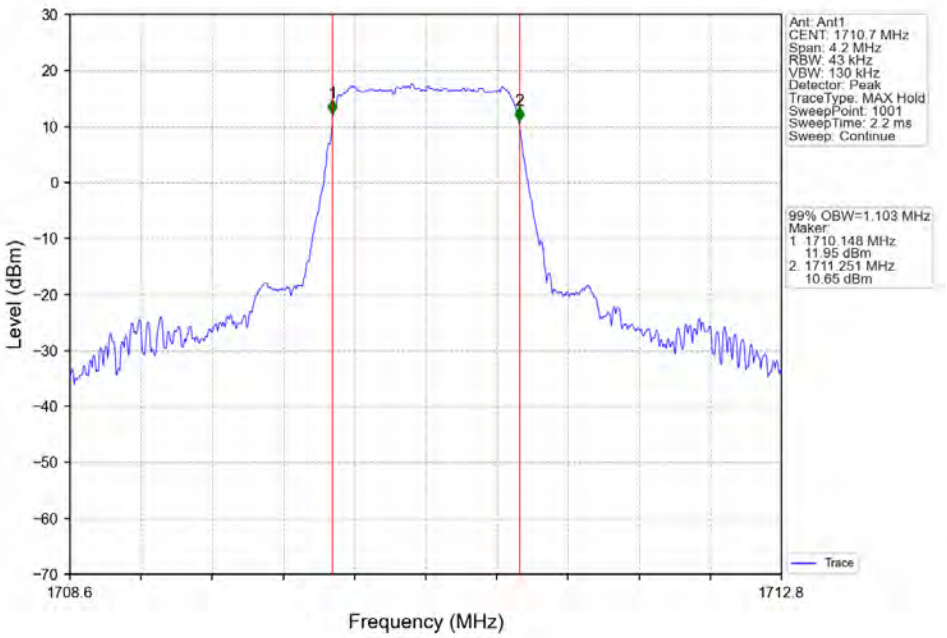
4.1 Band4_OBW

4.1.1 Test Result

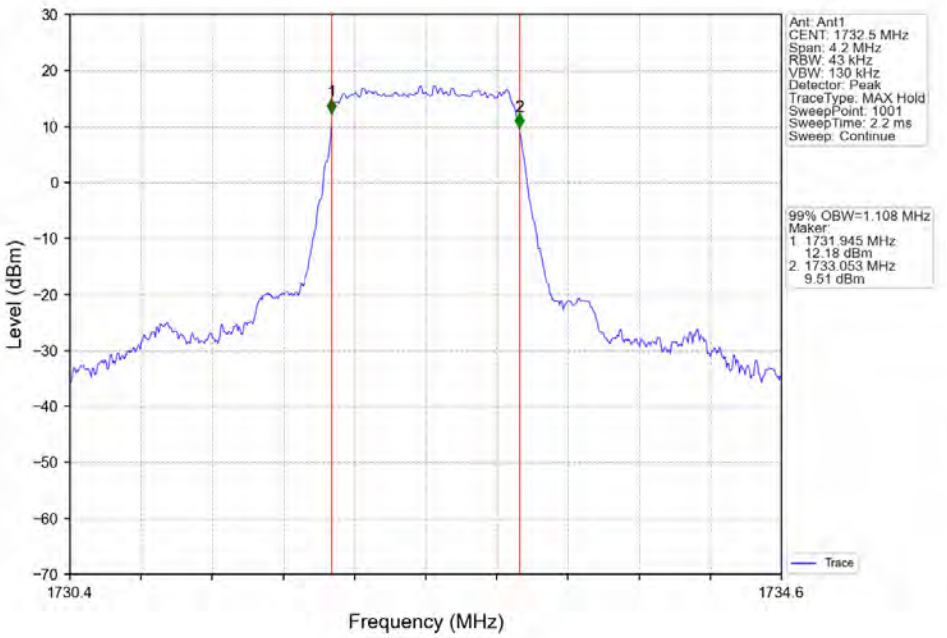
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.103	/	Pass
		1732.5	6	0	1.108	/	Pass
		1754.3	6	0	1.109	/	Pass
	16QAM	1710.7	6	0	1.116	/	Pass
		1732.5	6	0	1.107	/	Pass
		1754.3	6	0	1.101	/	Pass
3	QPSK	1711.5	15	0	2.723	/	Pass
		1732.5	15	0	2.733	/	Pass
		1753.5	15	0	2.723	/	Pass
	16QAM	1711.5	15	0	2.728	/	Pass
		1732.5	15	0	2.717	/	Pass
		1753.5	15	0	2.718	/	Pass
5	QPSK	1712.5	25	0	4.571	/	Pass
		1732.5	25	0	4.558	/	Pass
		1752.5	25	0	4.592	/	Pass
	16QAM	1712.5	25	0	4.554	/	Pass
		1732.5	25	0	4.588	/	Pass
		1752.5	25	0	4.565	/	Pass
10	QPSK	1715	50	0	9.100	/	Pass
		1732.5	50	0	9.043	/	Pass
		1750	50	0	9.119	/	Pass
	16QAM	1715	50	0	9.083	/	Pass
		1732.5	50	0	9.078	/	Pass
		1750	50	0	9.083	/	Pass
15	QPSK	1717.5	75	0	13.610	/	Pass
		1732.5	75	0	13.577	/	Pass
		1747.5	75	0	13.655	/	Pass
	16QAM	1717.5	75	0	13.658	/	Pass
		1732.5	75	0	13.602	/	Pass
		1747.5	75	0	13.672	/	Pass
20	QPSK	1720	100	0	18.190	/	Pass
		1732.5	100	0	18.102	/	Pass
		1745	100	0	18.219	/	Pass
	16QAM	1720	100	0	18.144	/	Pass
		1732.5	100	0	18.131	/	Pass
		1745	100	0	18.217	/	Pass

4.1.2 Test Graph

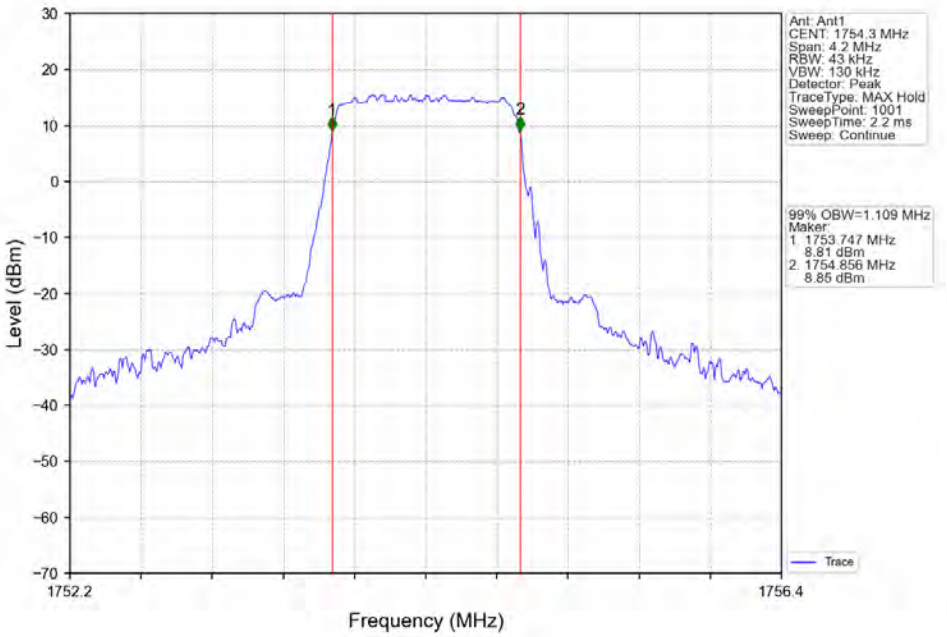
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



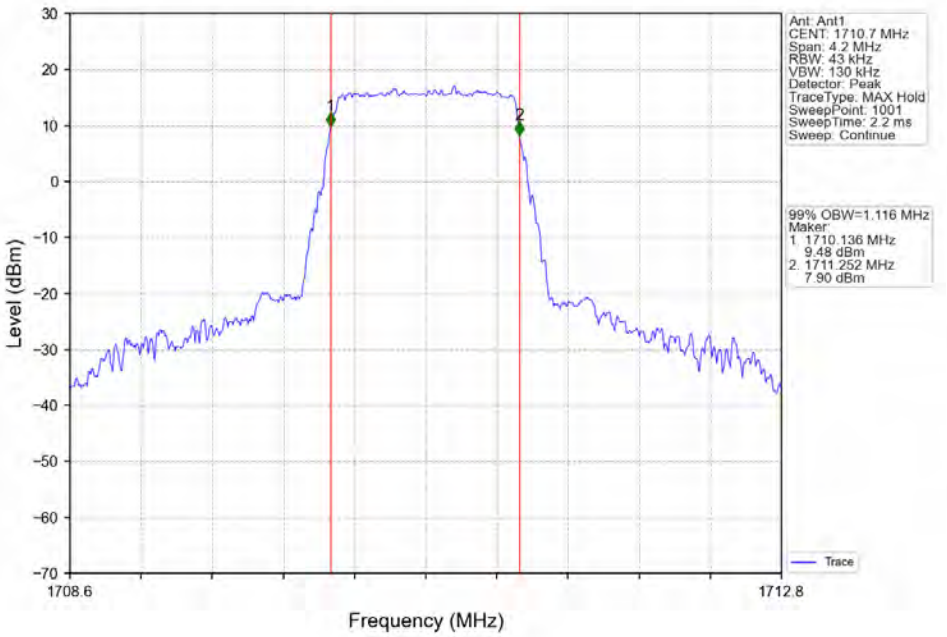
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



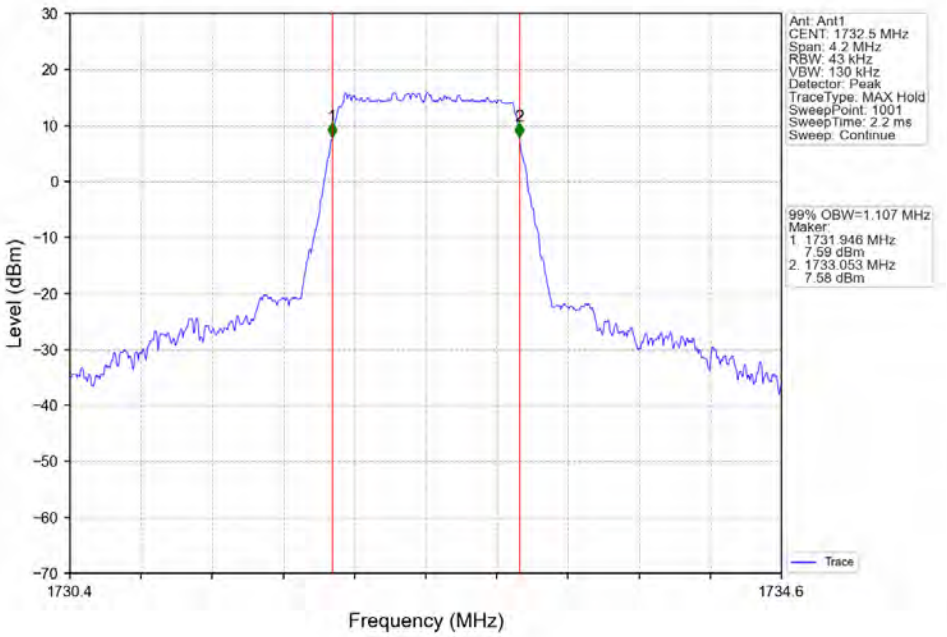
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



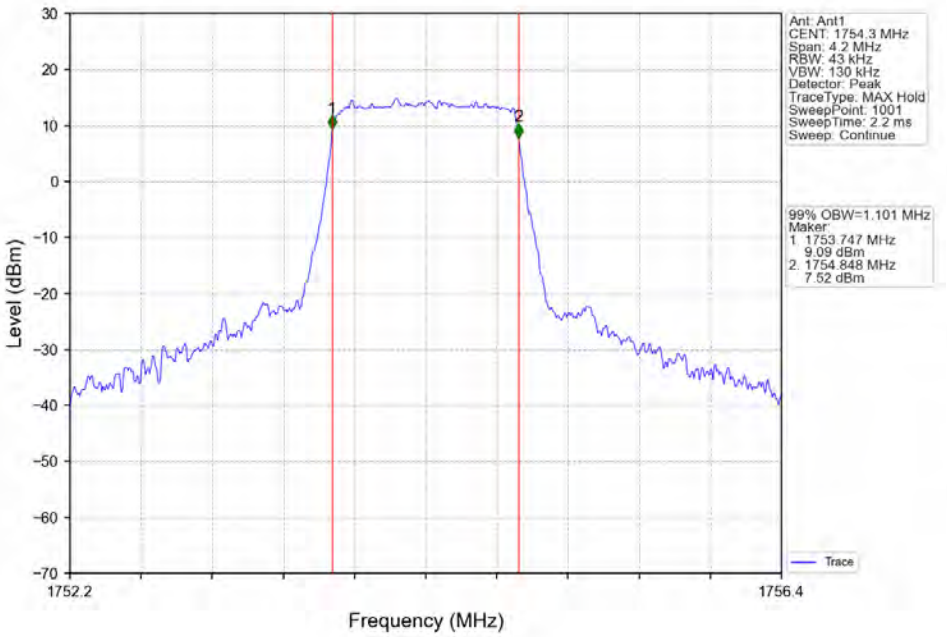
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



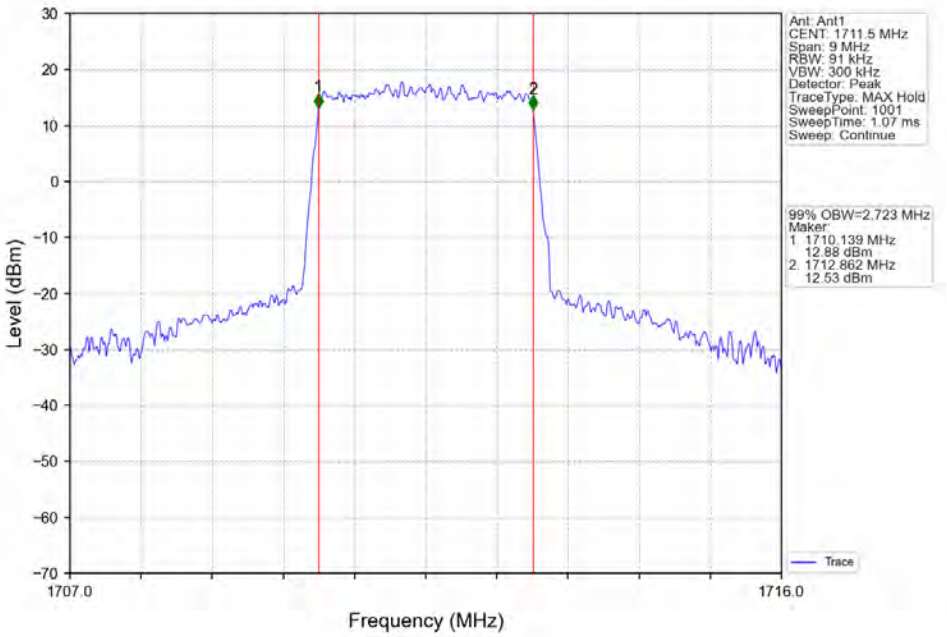
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



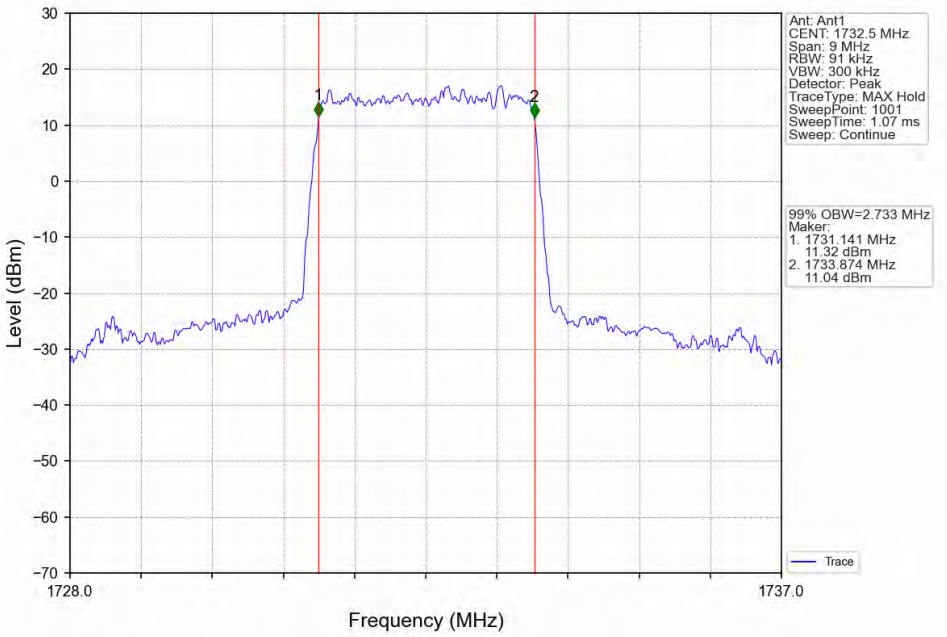
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



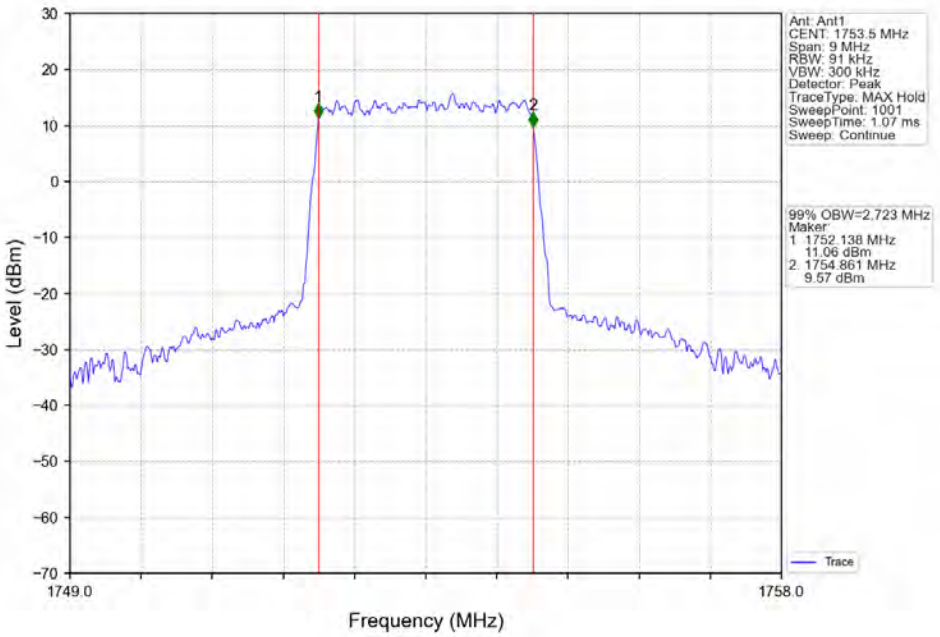
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



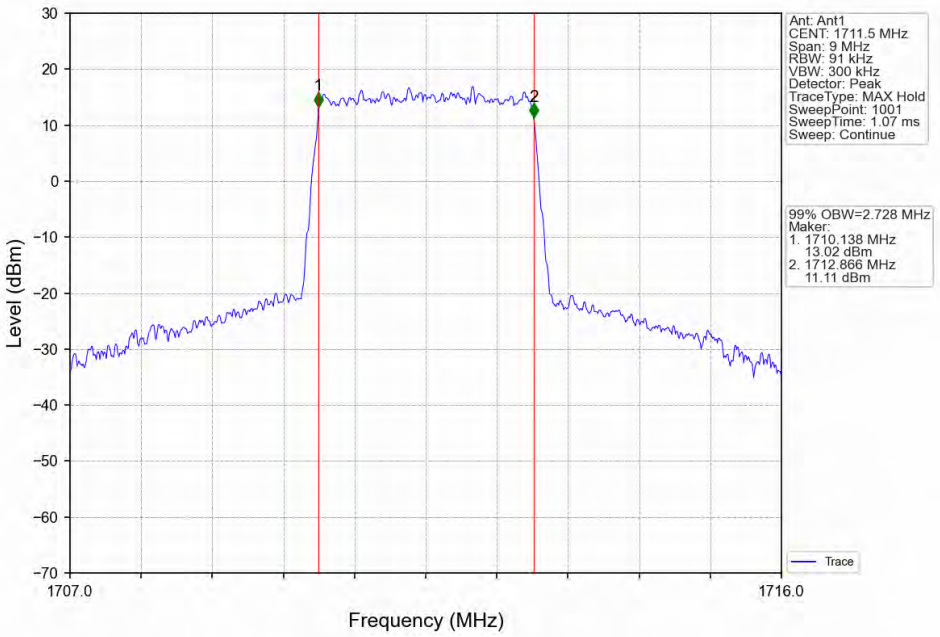
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



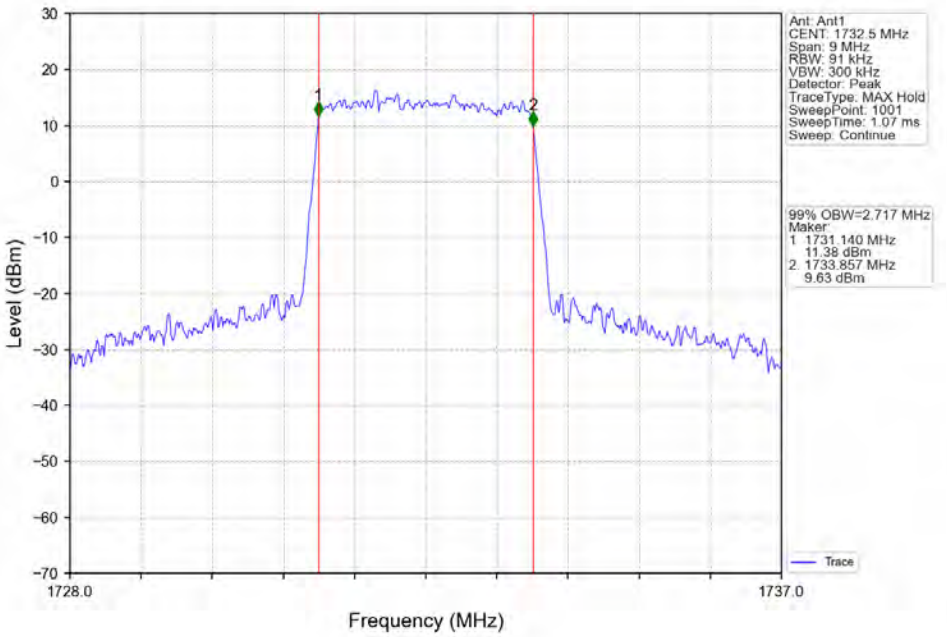
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



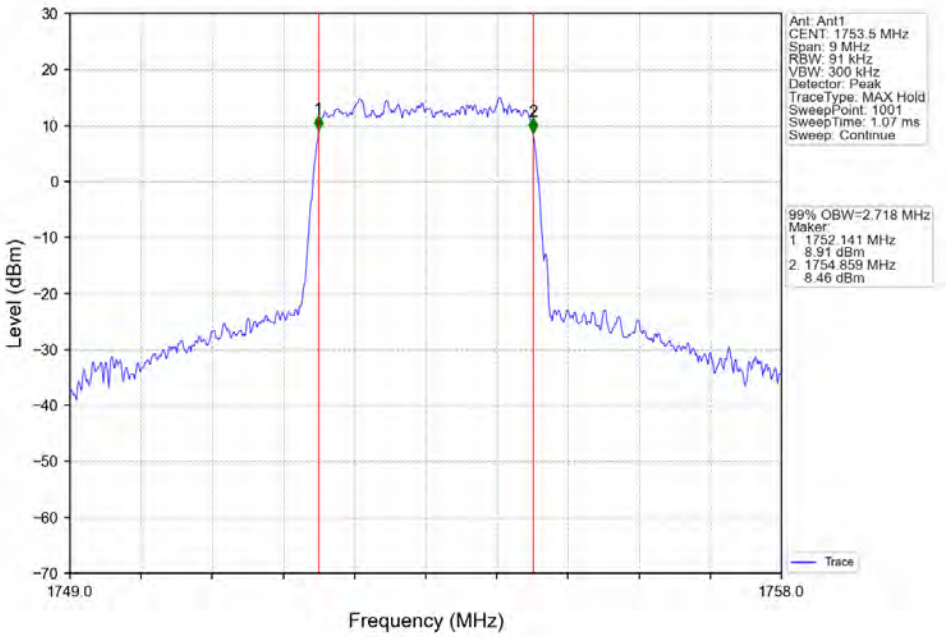
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



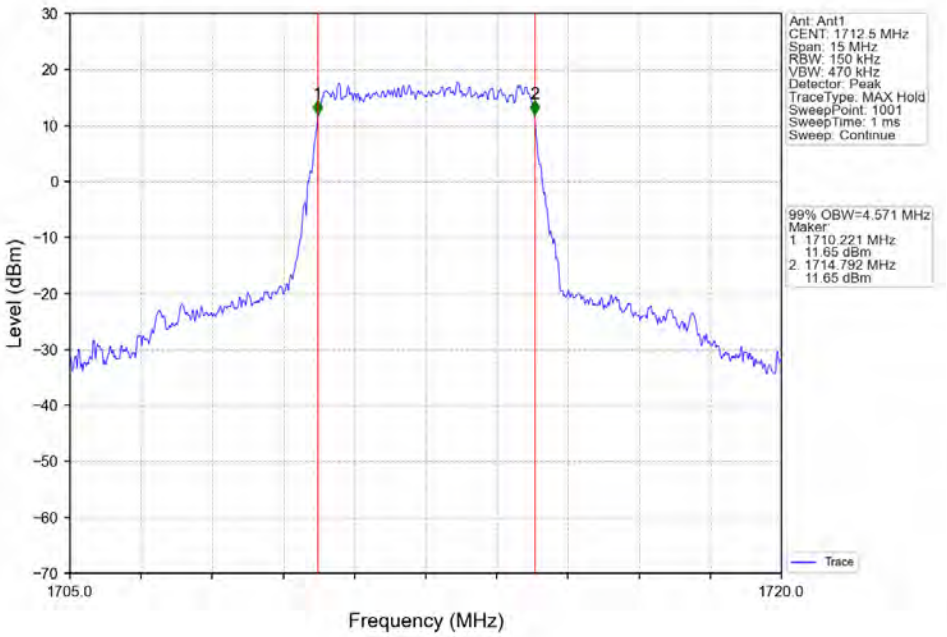
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



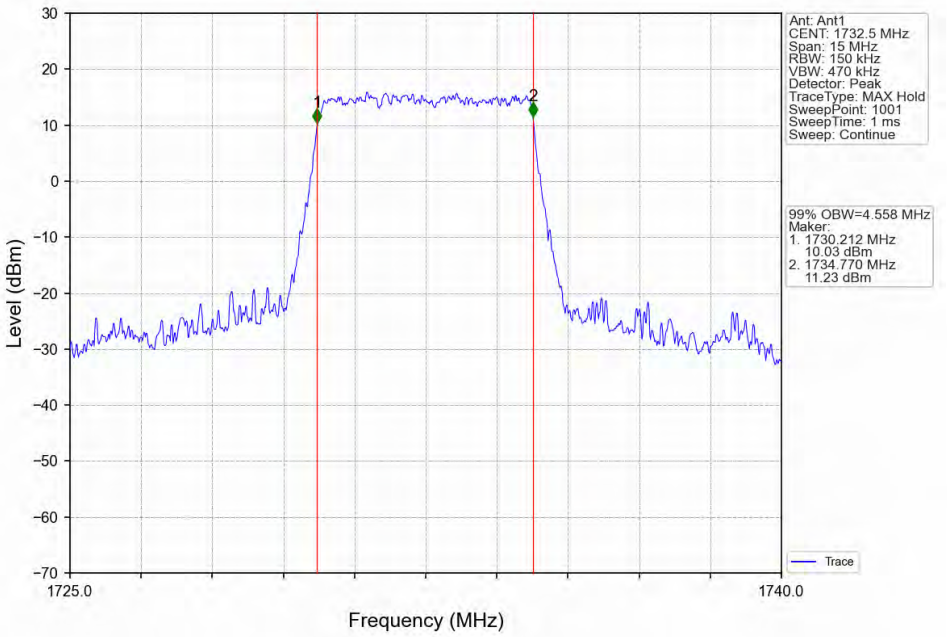
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



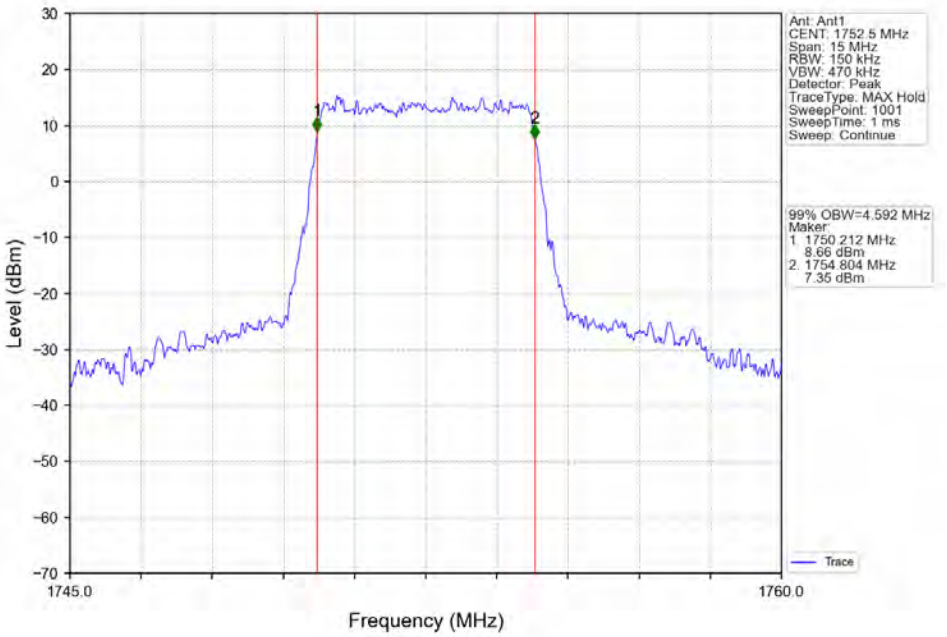
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



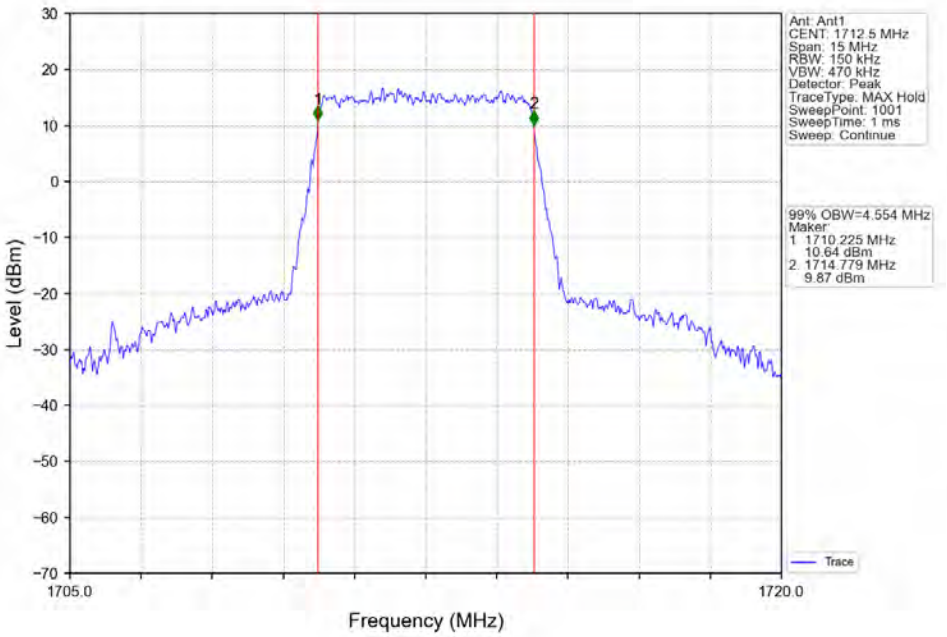
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



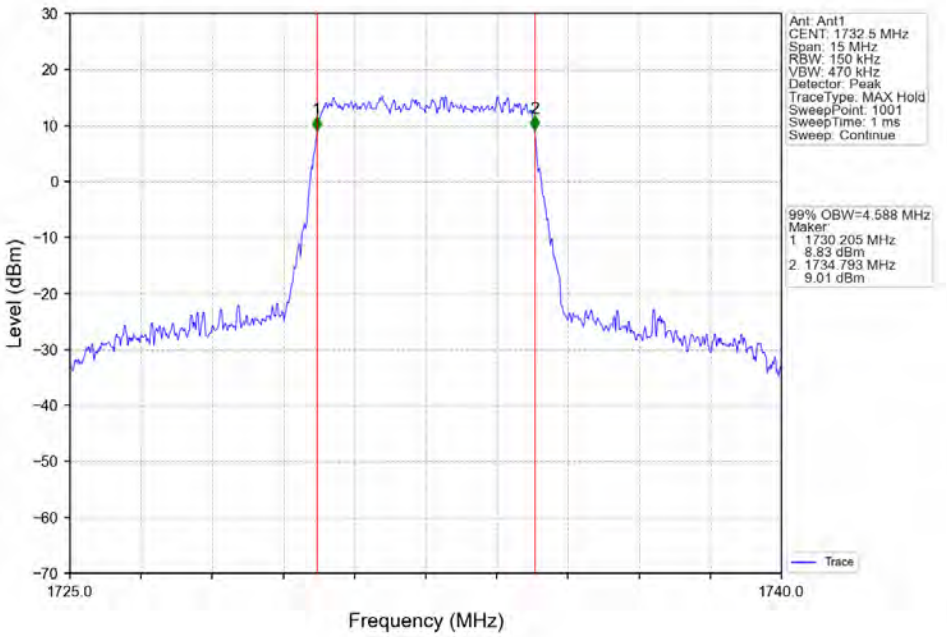
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



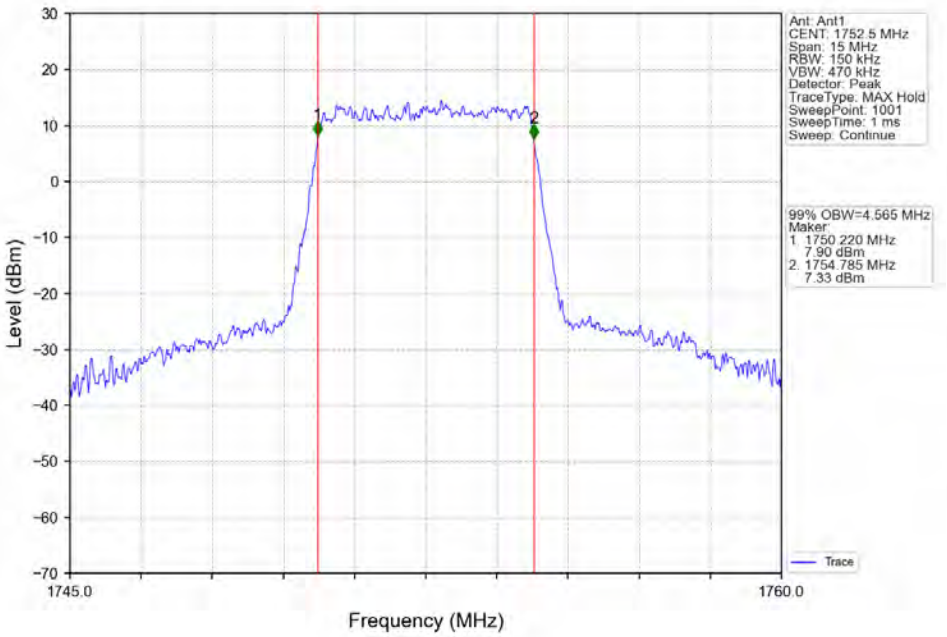
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



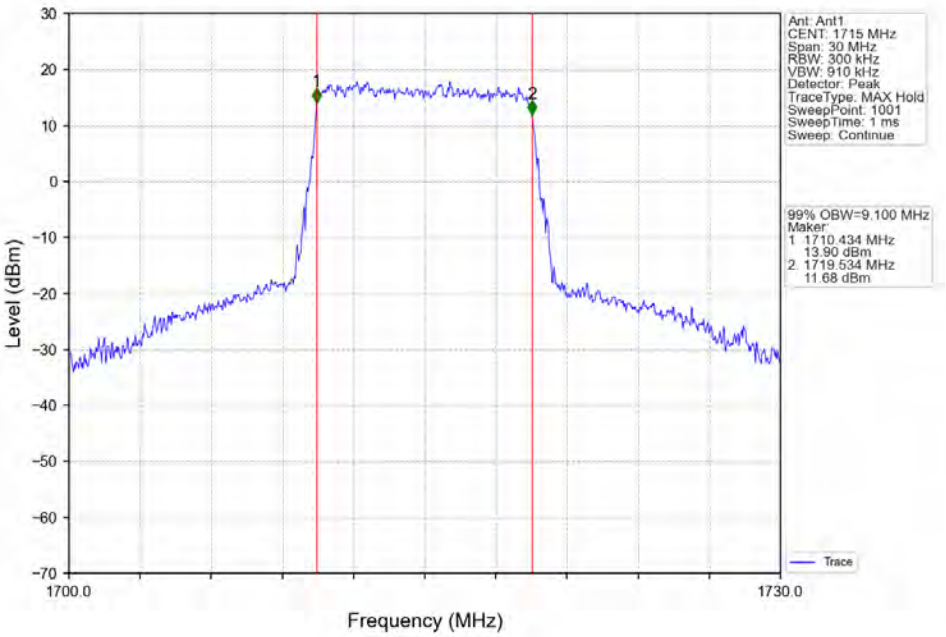
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



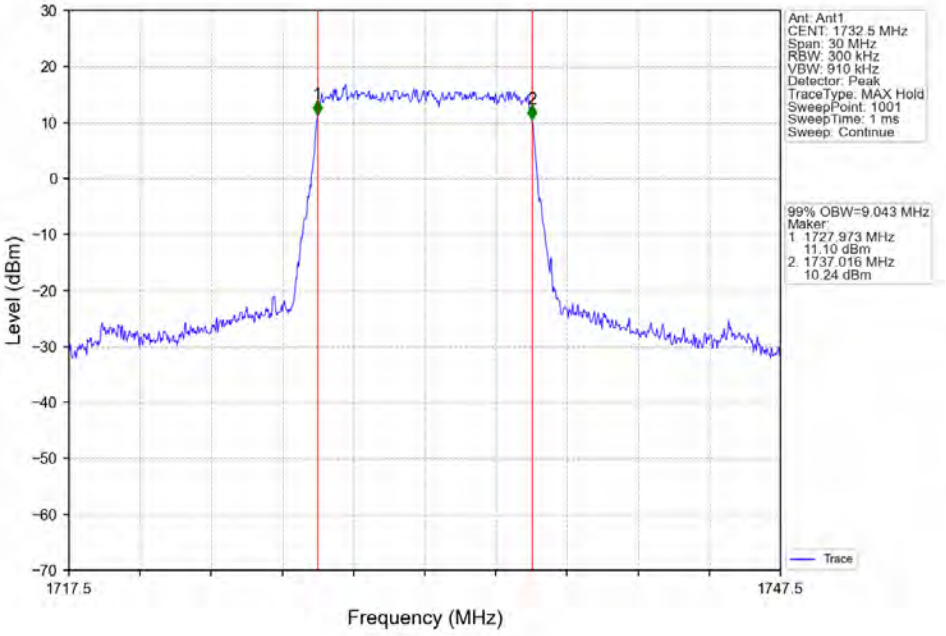
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



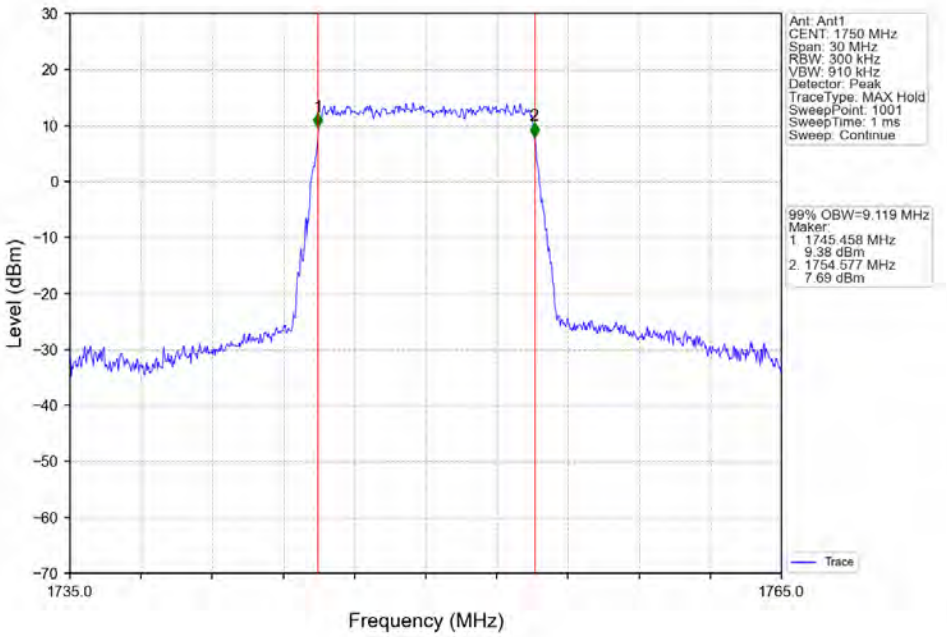
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



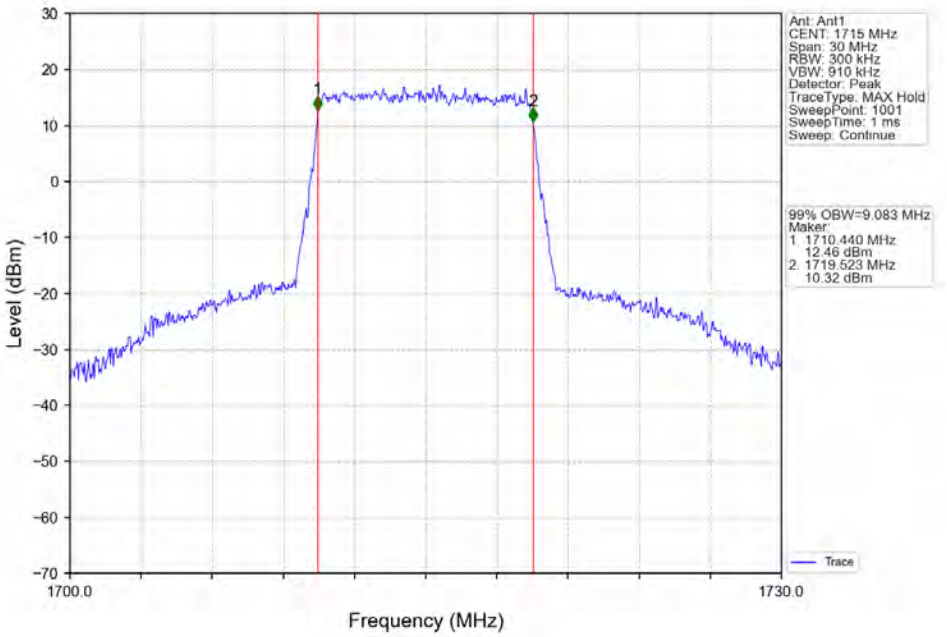
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



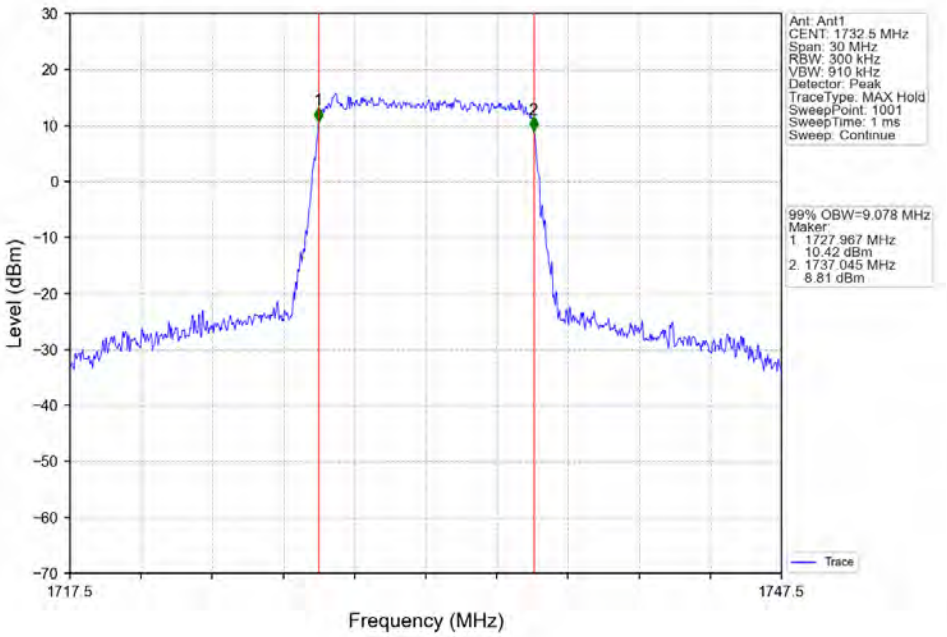
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



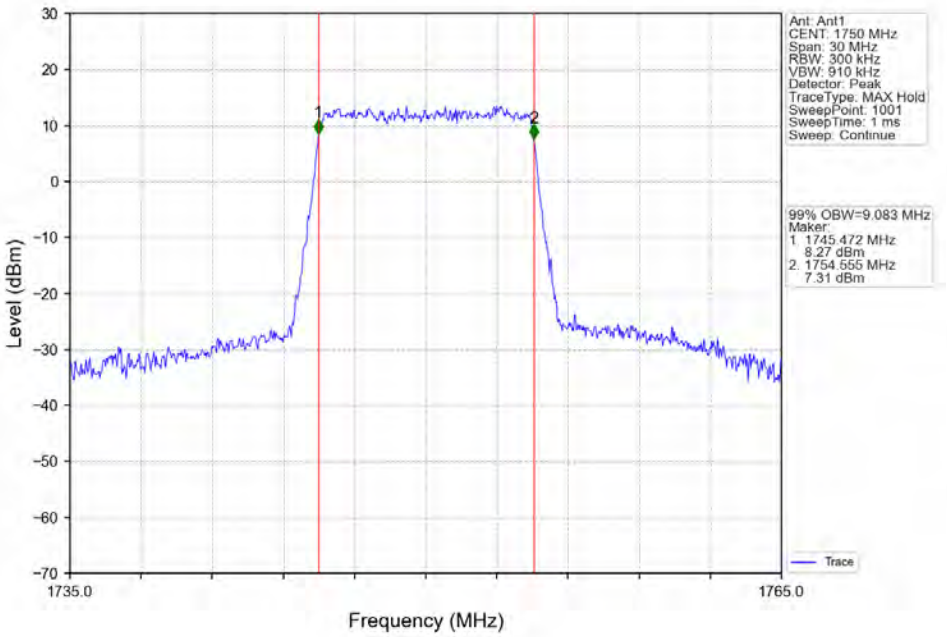
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



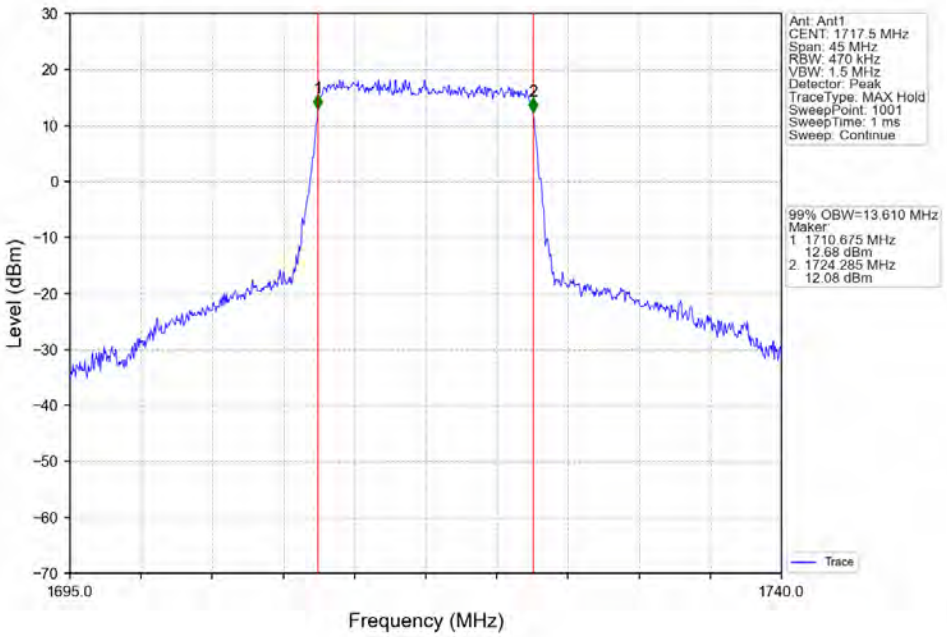
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



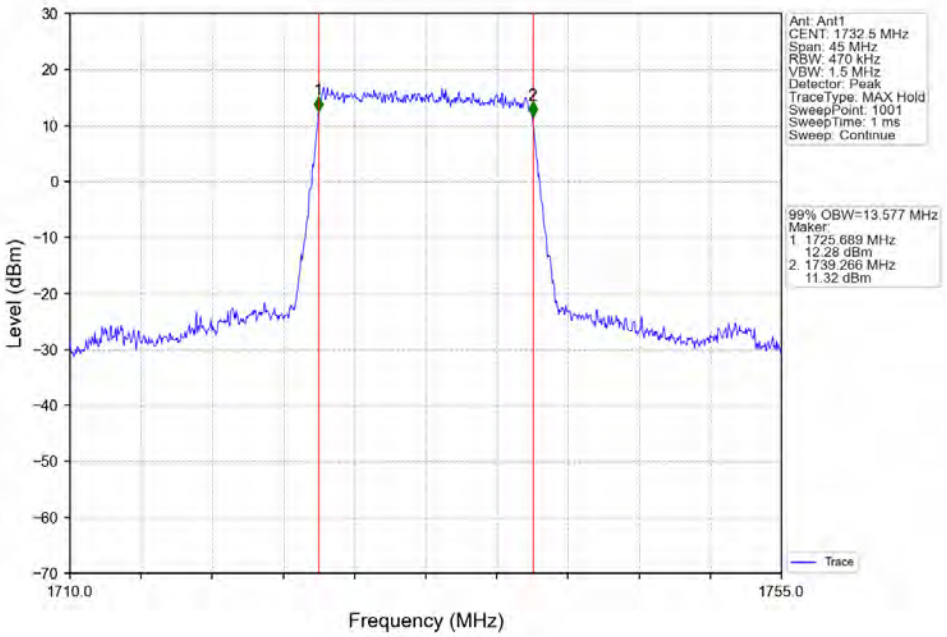
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



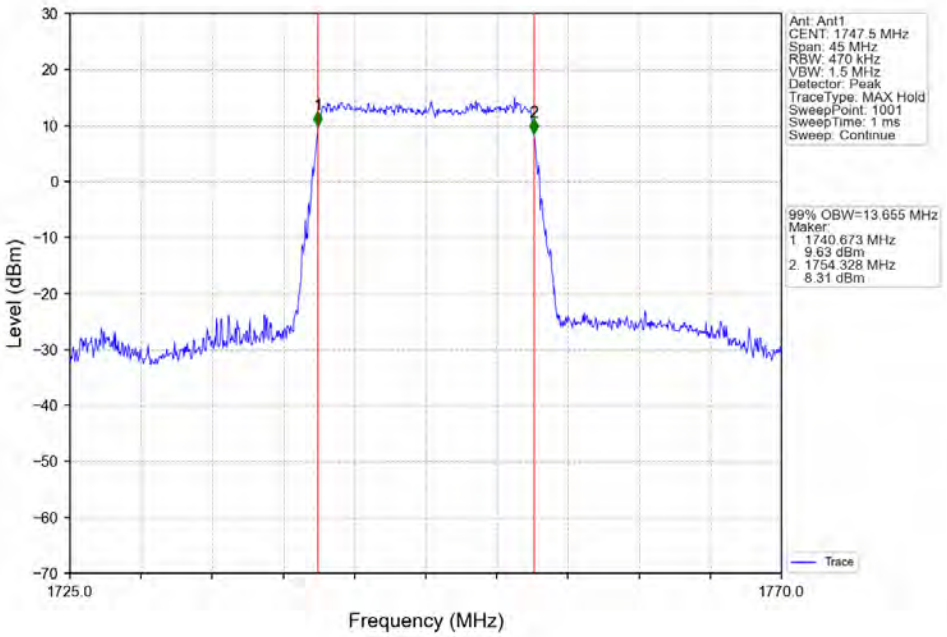
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



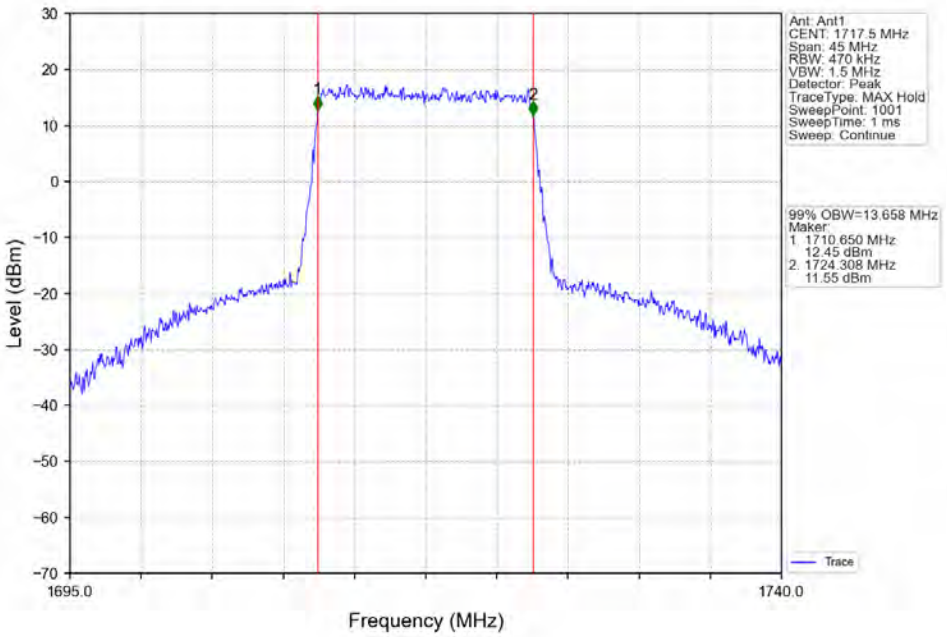
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



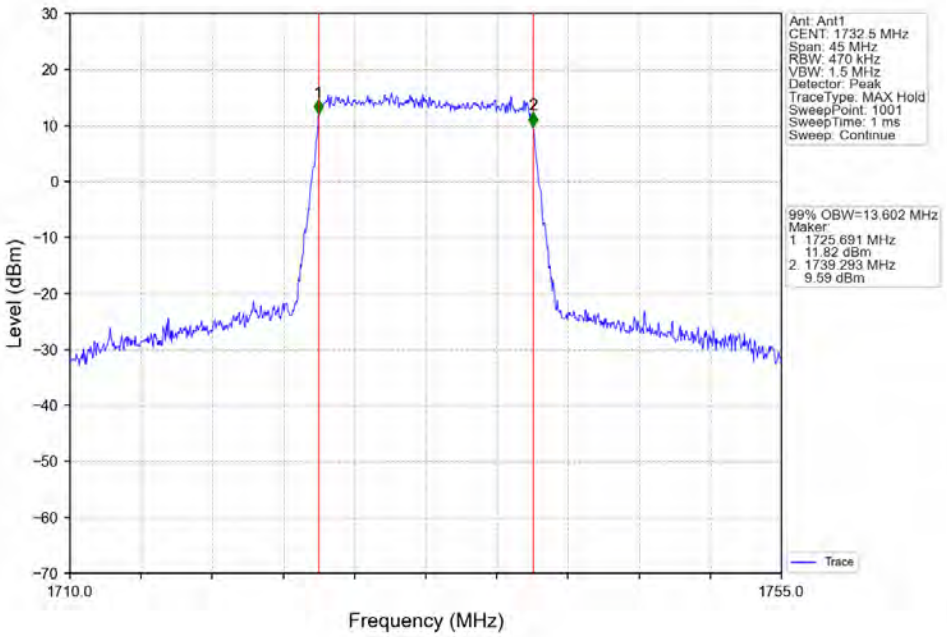
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



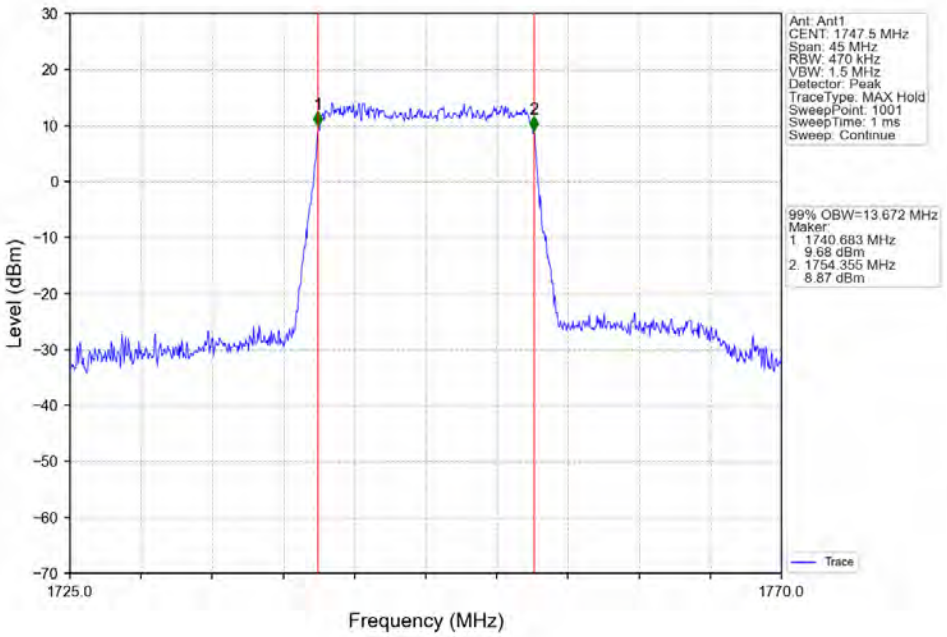
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



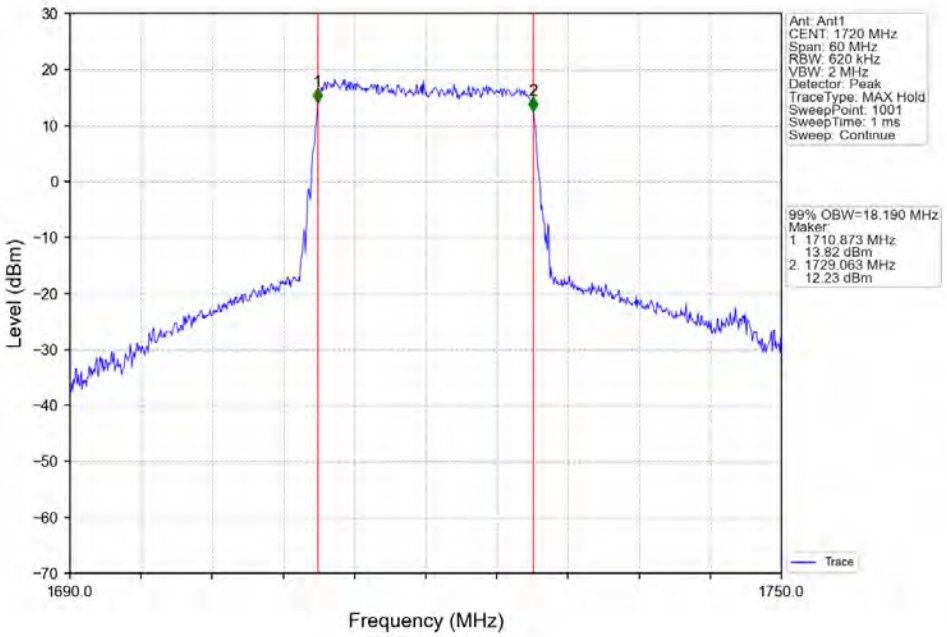
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



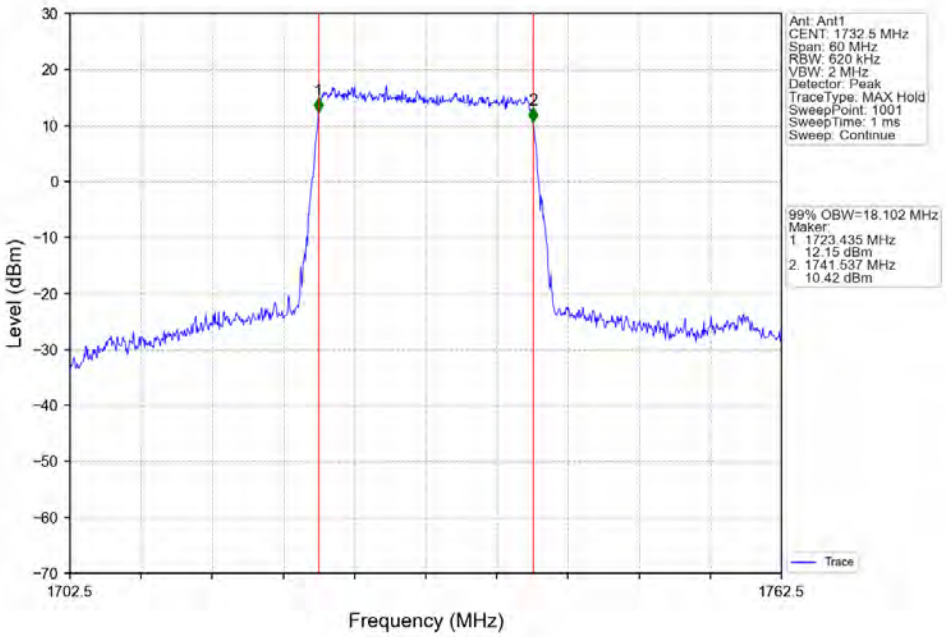
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



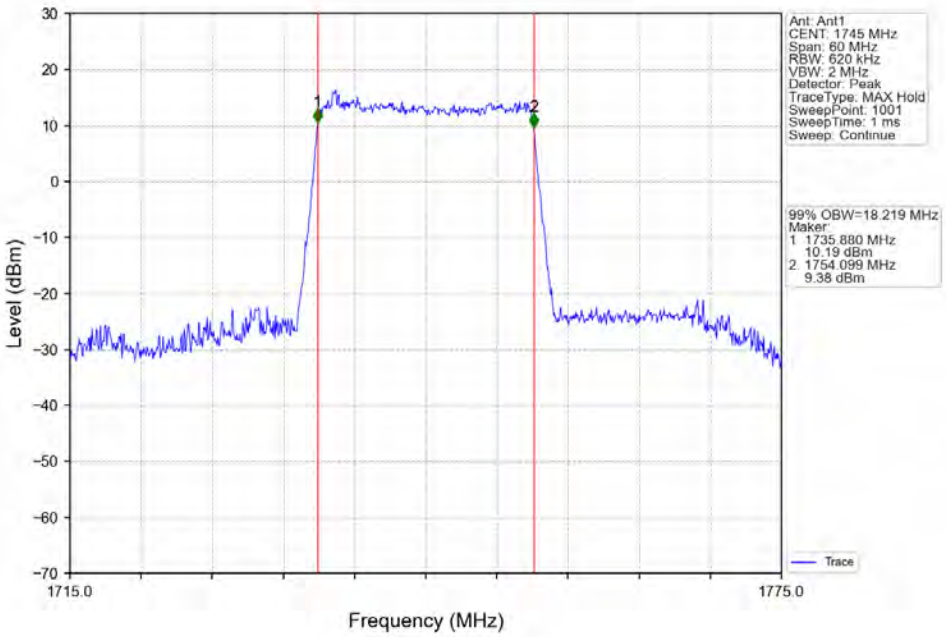
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



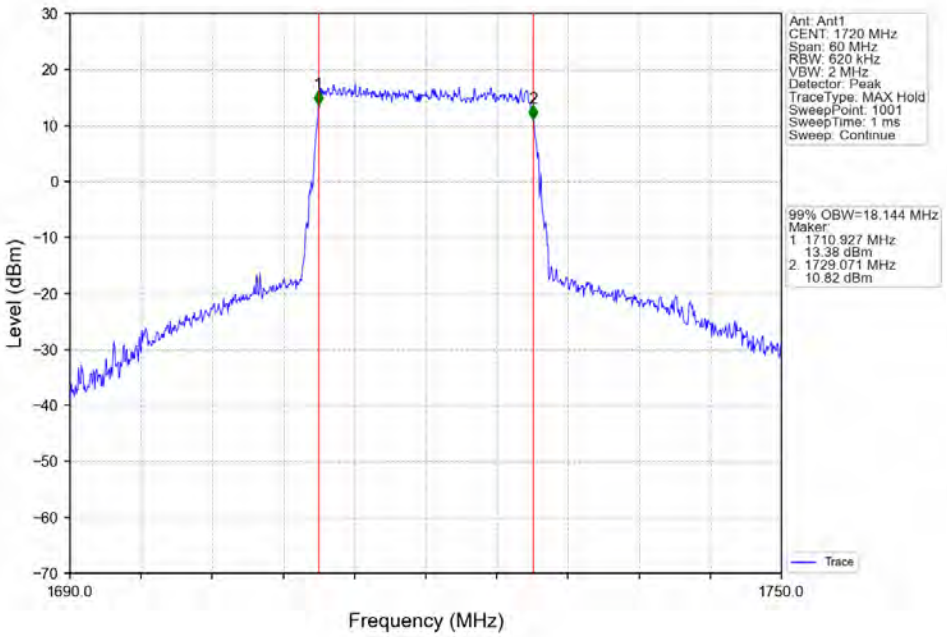
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



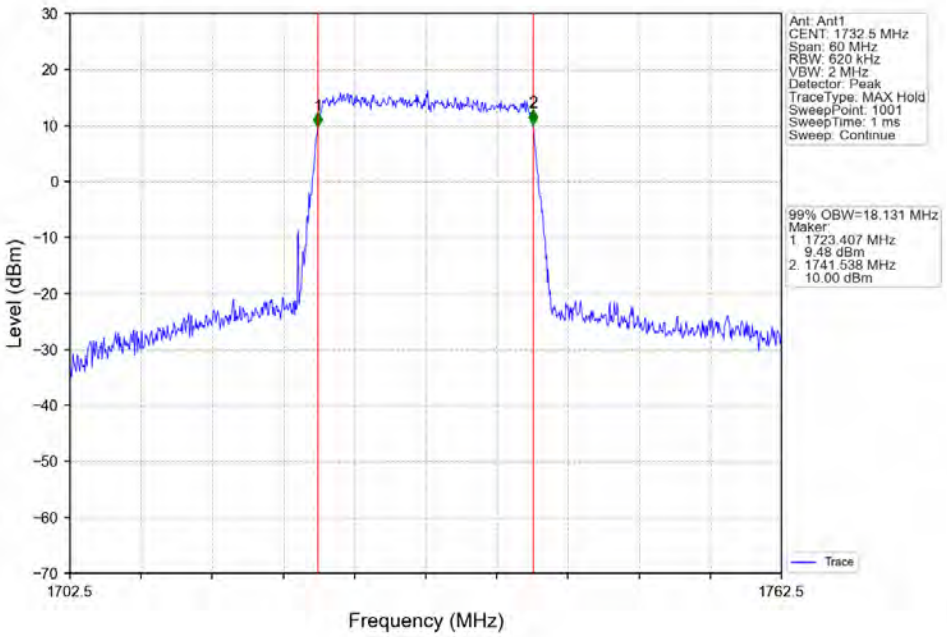
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



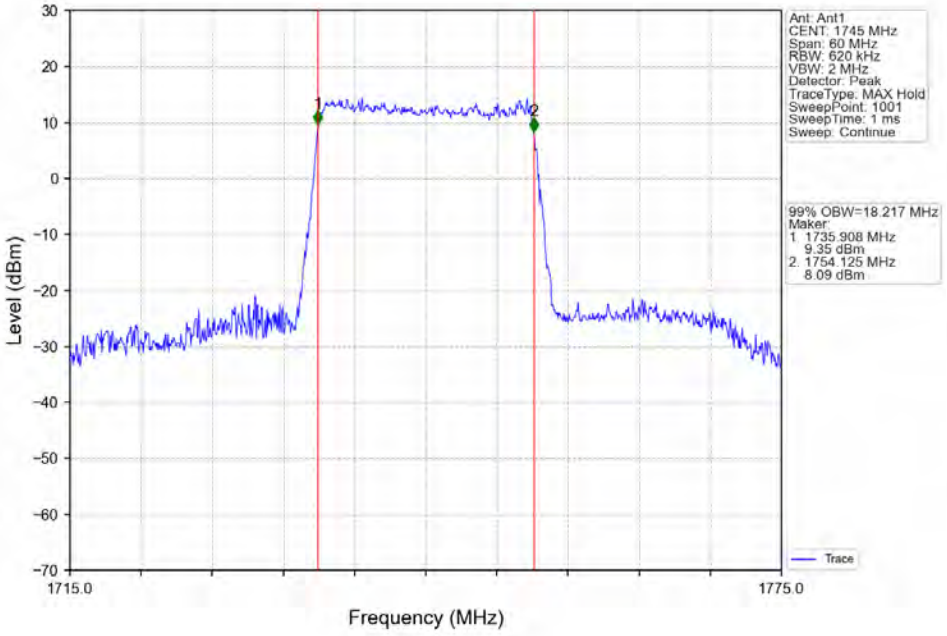
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



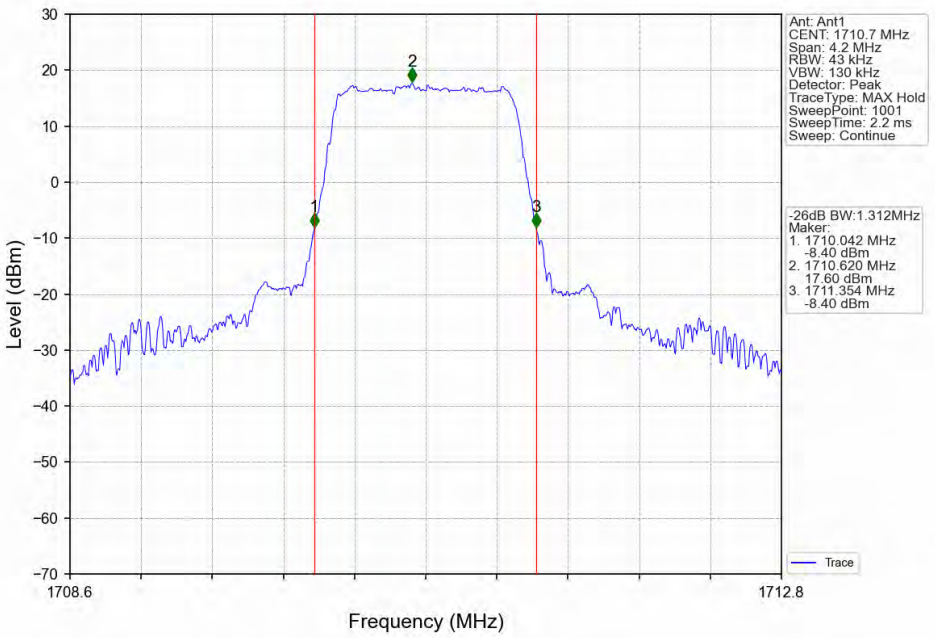
4.2 Band4_XDB

4.2.1 Test Result

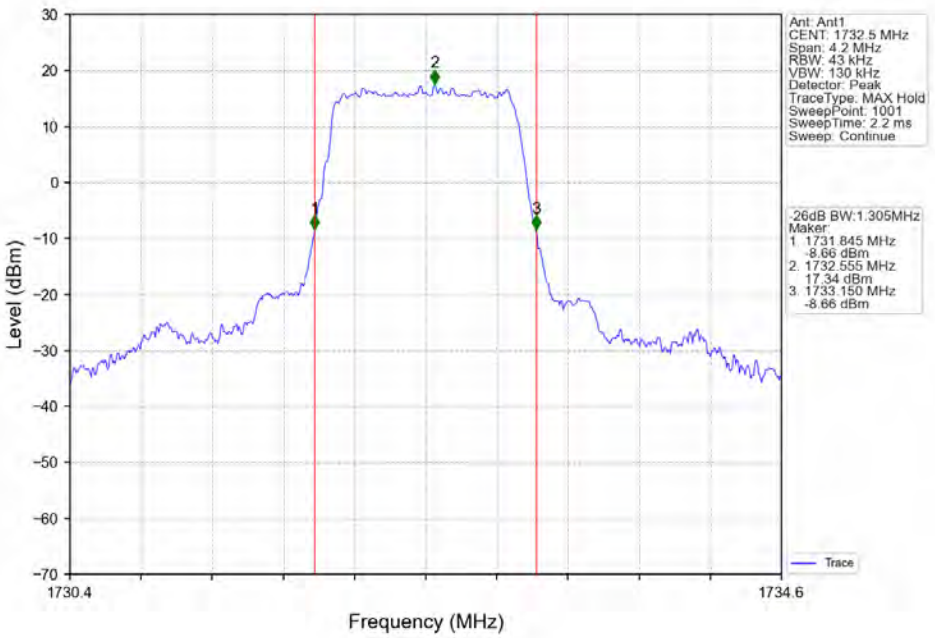
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.312	/	Pass
		1732.5	6	0	1.305	/	Pass
		1754.3	6	0	1.339	/	Pass
	16QAM	1710.7	6	0	1.353	/	Pass
		1732.5	6	0	1.328	/	Pass
		1754.3	6	0	1.301	/	Pass
3	QPSK	1711.5	15	0	3.003	/	Pass
		1732.5	15	0	2.985	/	Pass
		1753.5	15	0	2.983	/	Pass
	16QAM	1711.5	15	0	2.995	/	Pass
		1732.5	15	0	2.992	/	Pass
		1753.5	15	0	2.973	/	Pass
5	QPSK	1712.5	25	0	5.211	/	Pass
		1732.5	25	0	5.303	/	Pass
		1752.5	25	0	5.305	/	Pass
	16QAM	1712.5	25	0	5.317	/	Pass
		1732.5	25	0	5.293	/	Pass
		1752.5	25	0	5.278	/	Pass
10	QPSK	1715	50	0	10.366	/	Pass
		1732.5	50	0	10.176	/	Pass
		1750	50	0	10.462	/	Pass
	16QAM	1715	50	0	10.276	/	Pass
		1732.5	50	0	10.152	/	Pass
		1750	50	0	10.333	/	Pass
15	QPSK	1717.5	75	0	15.355	/	Pass
		1732.5	75	0	15.146	/	Pass
		1747.5	75	0	15.313	/	Pass
	16QAM	1717.5	75	0	15.227	/	Pass
		1732.5	75	0	15.338	/	Pass
		1747.5	75	0	15.349	/	Pass
20	QPSK	1720	100	0	20.369	/	Pass
		1732.5	100	0	20.048	/	Pass
		1745	100	0	20.019	/	Pass
	16QAM	1720	100	0	20.318	/	Pass
		1732.5	100	0	20.829	/	Pass
		1745	100	0	20.128	/	Pass

4.2.2 Test Graph

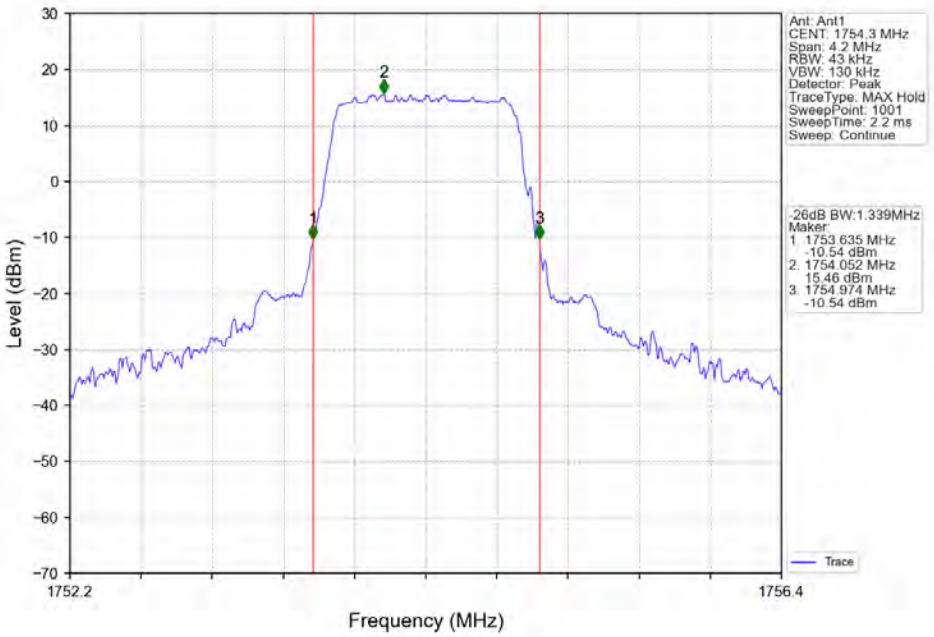
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



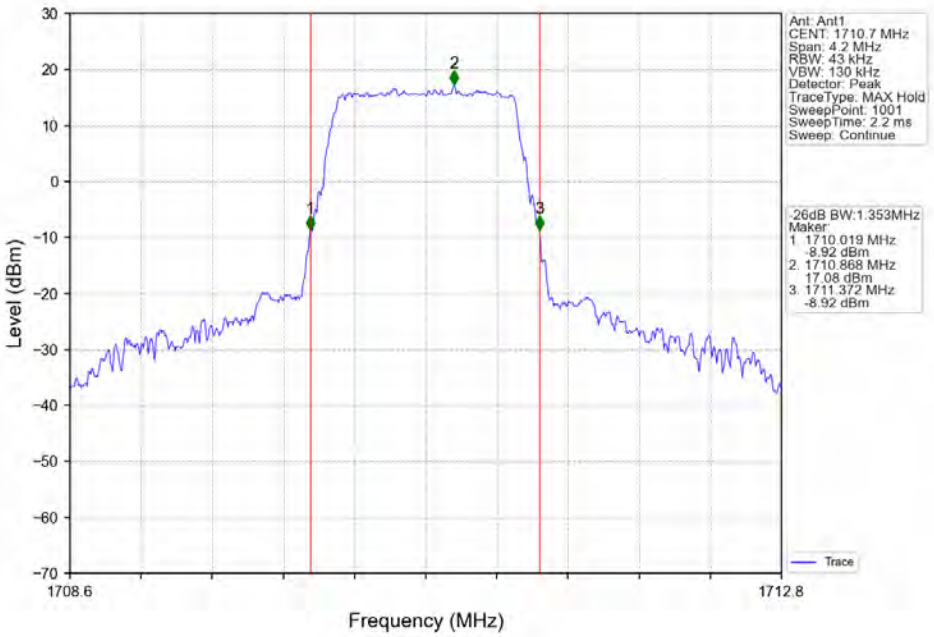
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



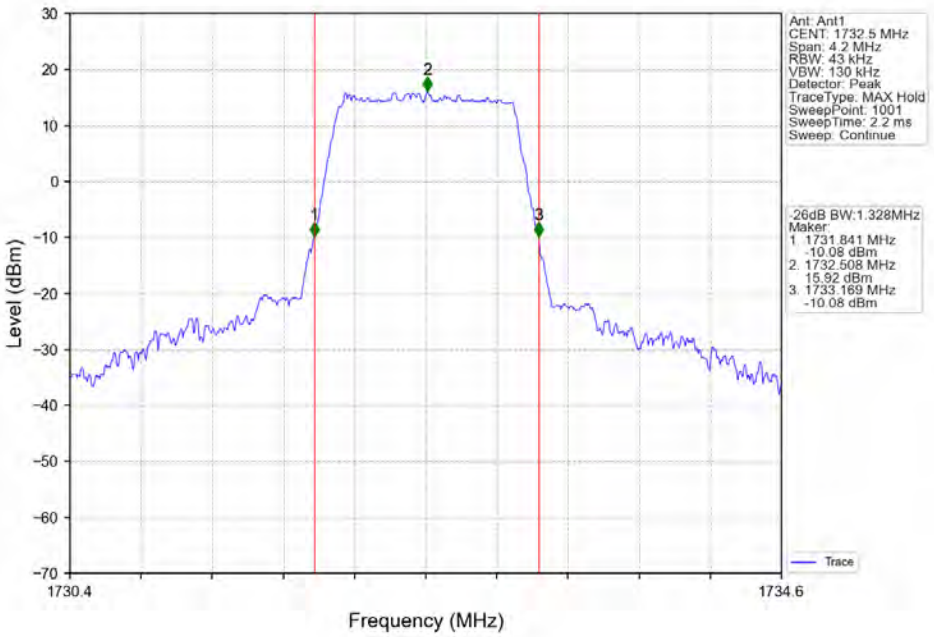
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



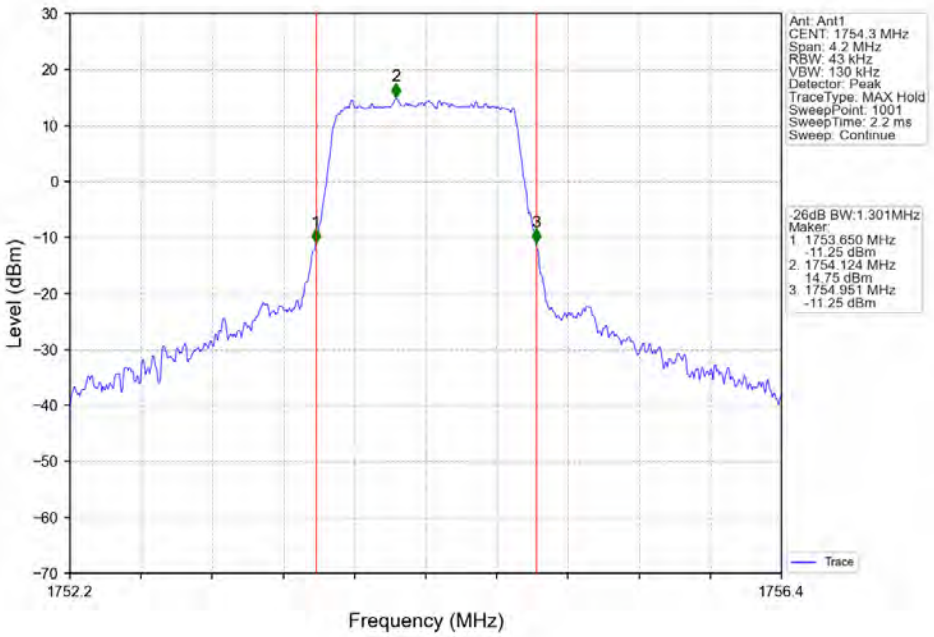
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



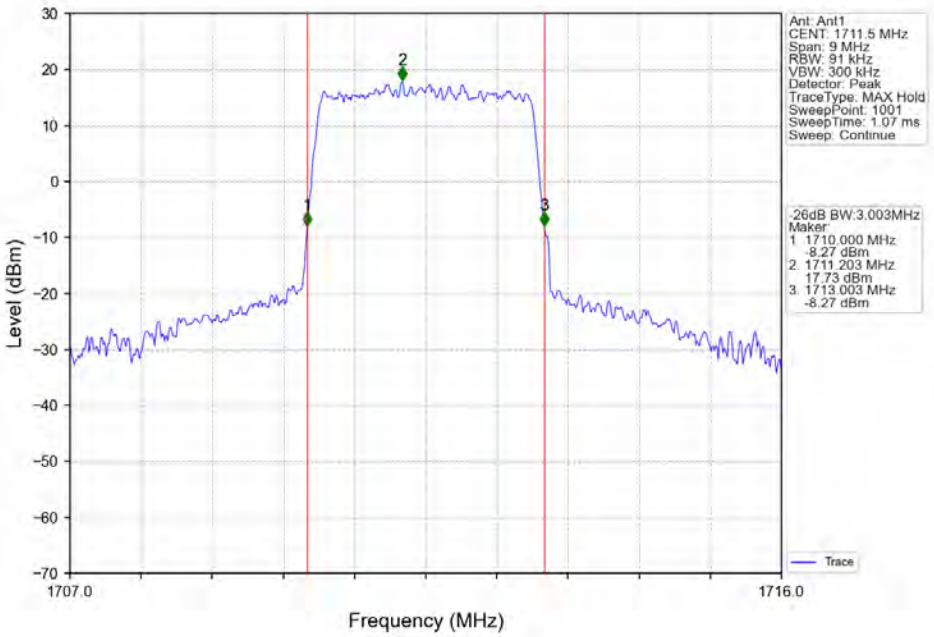
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



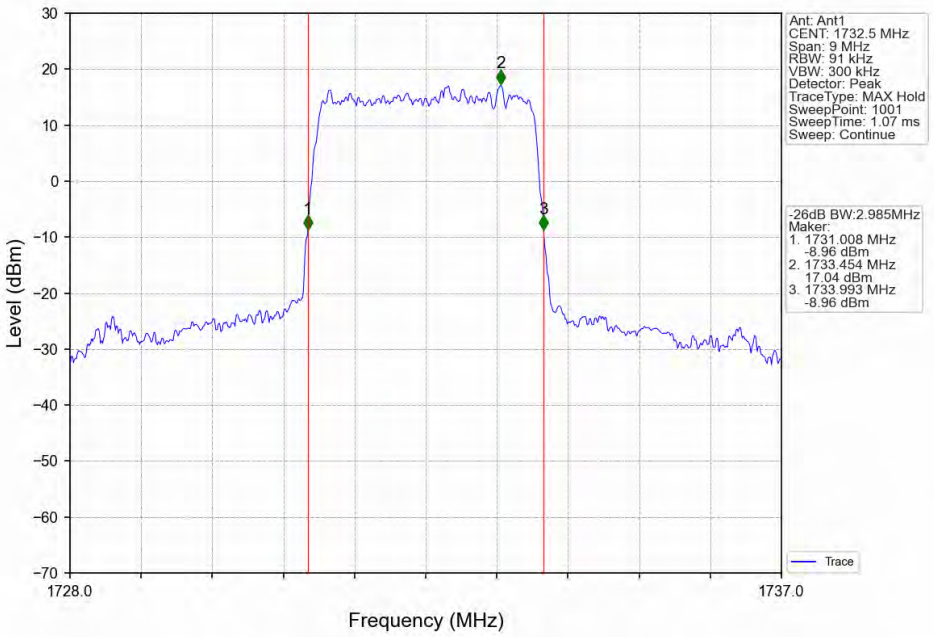
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



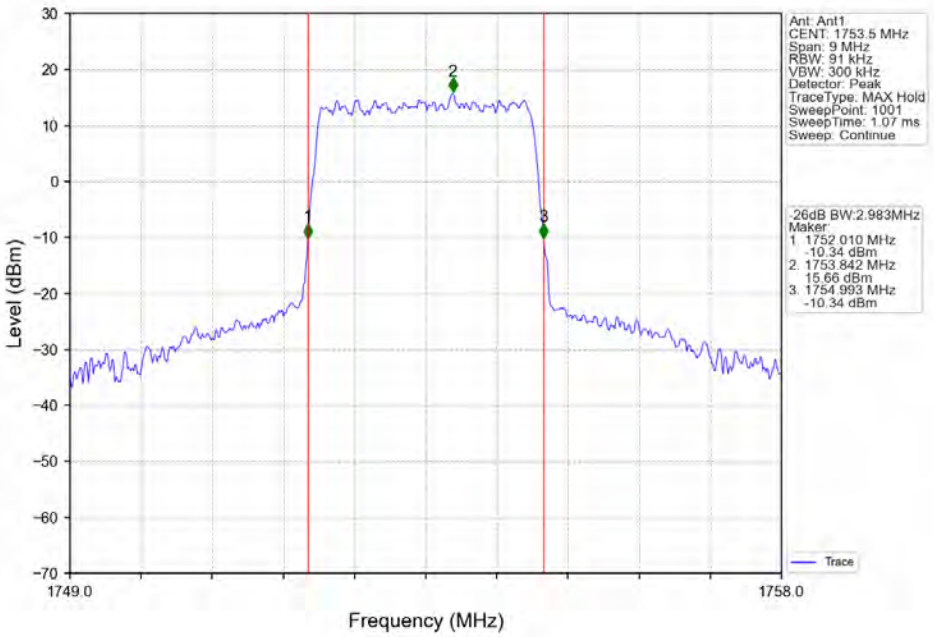
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



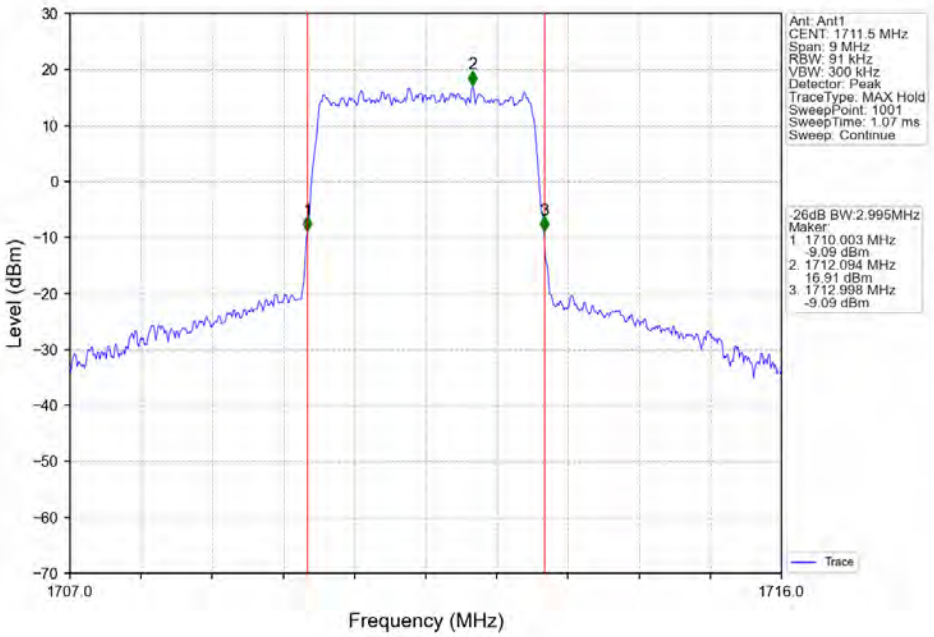
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



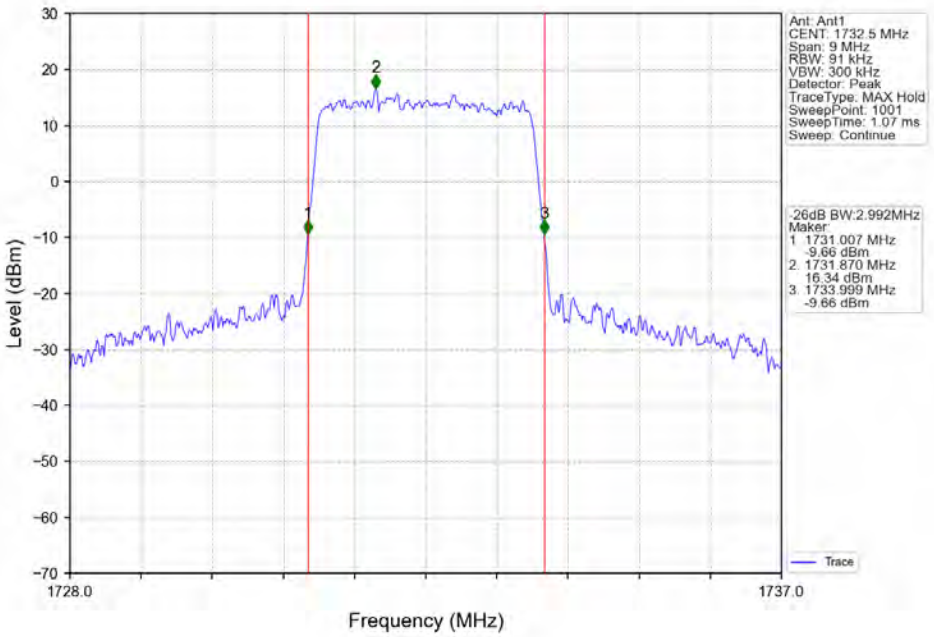
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



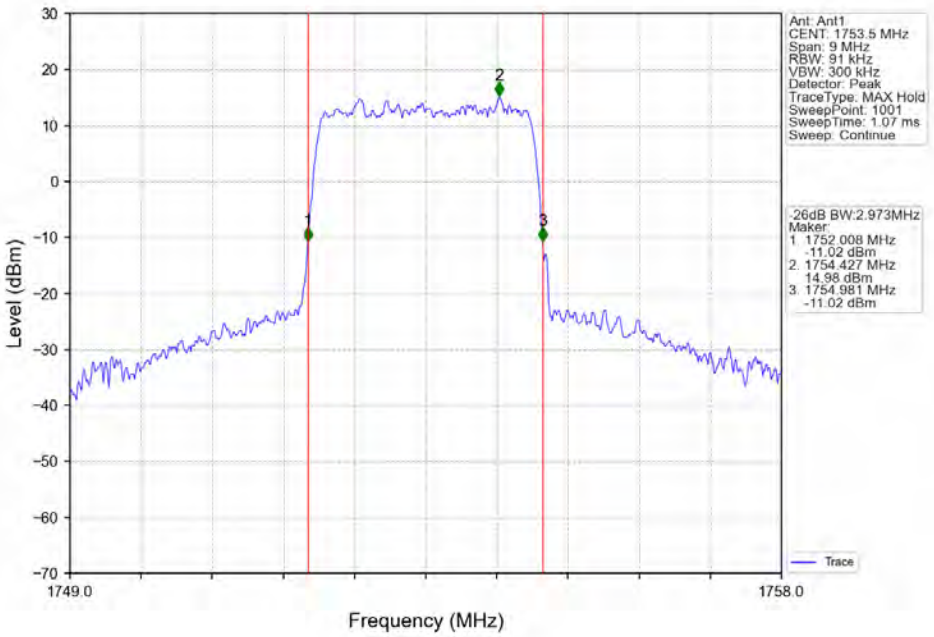
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



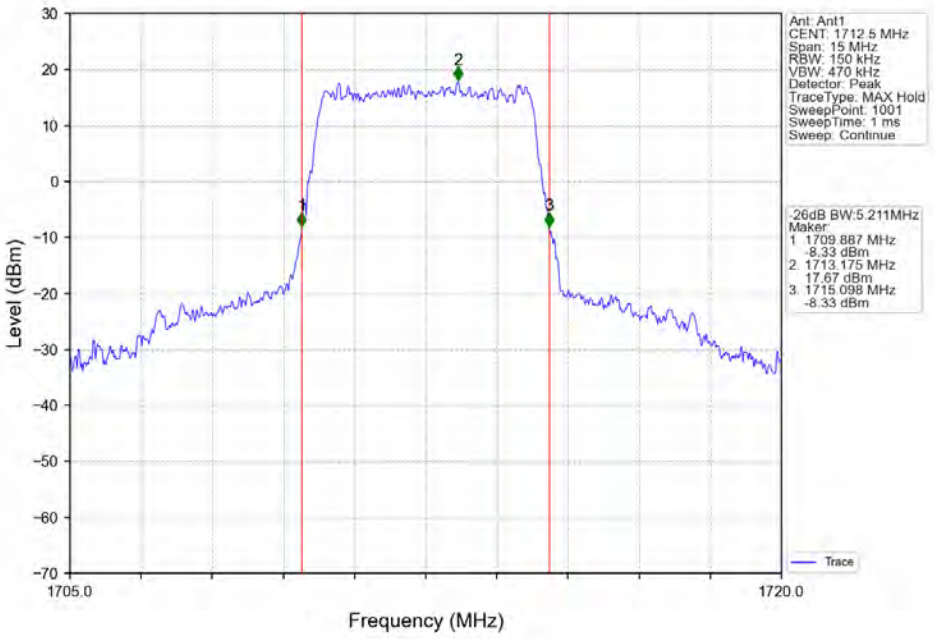
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



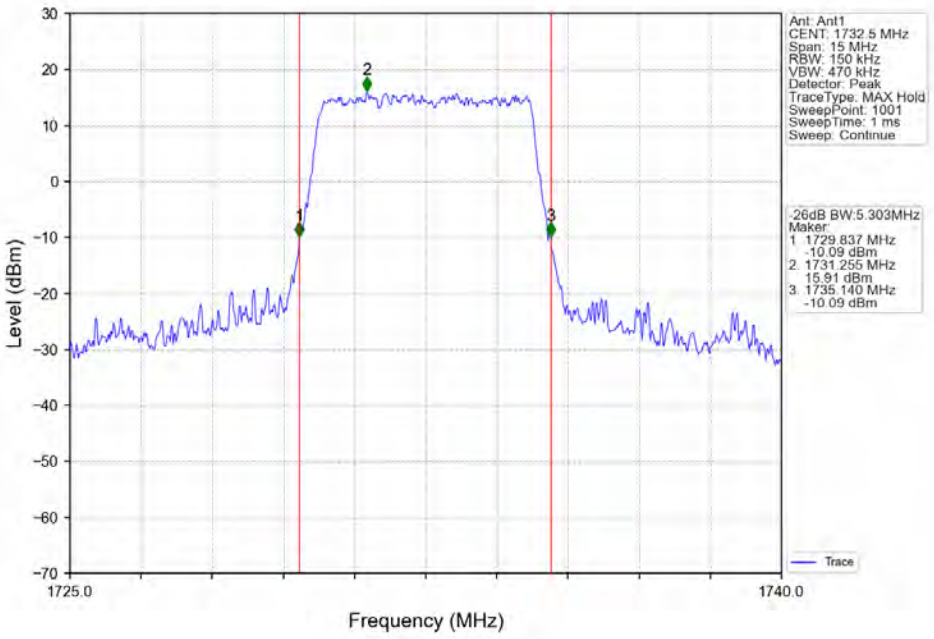
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



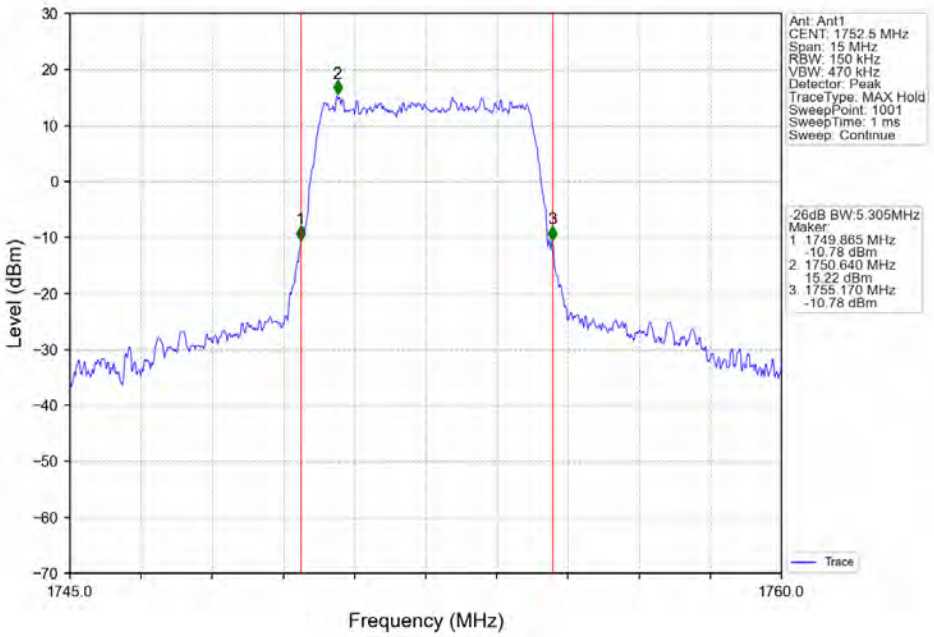
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



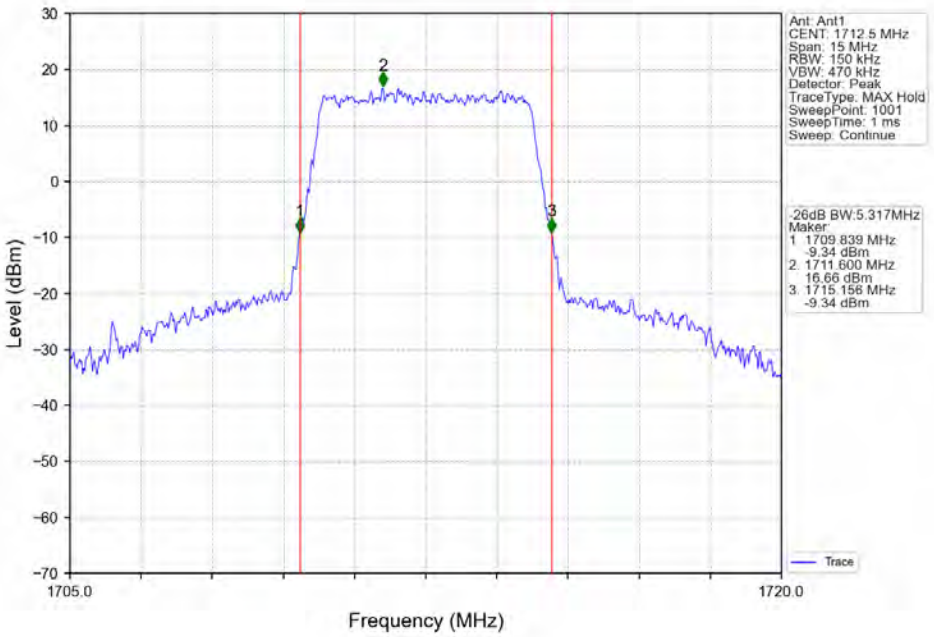
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



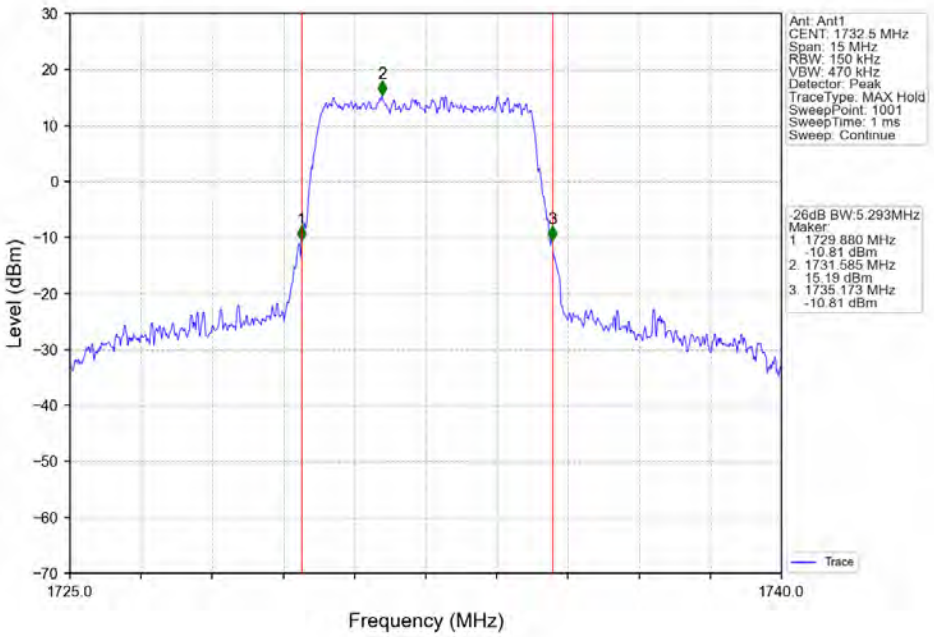
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



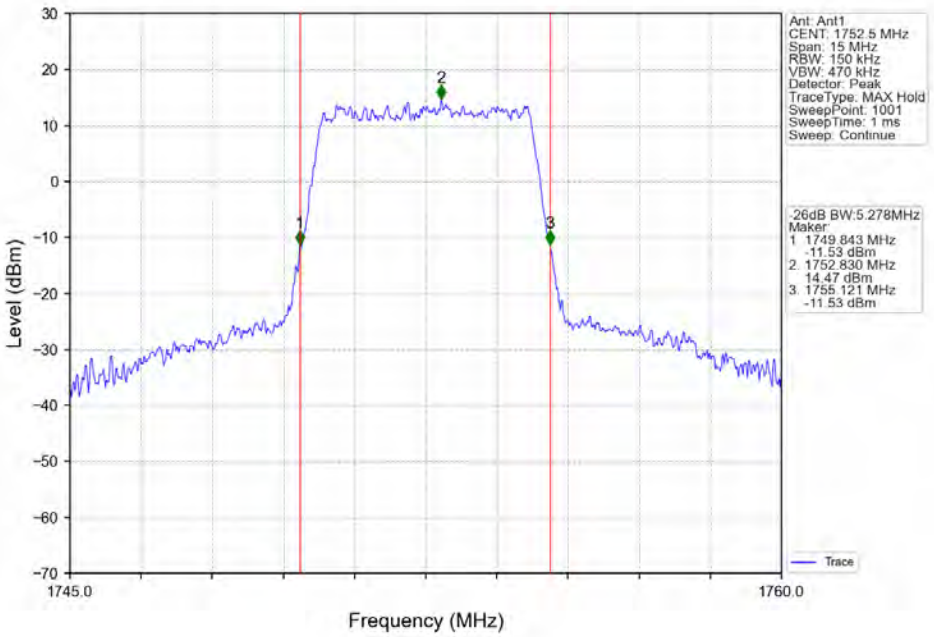
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



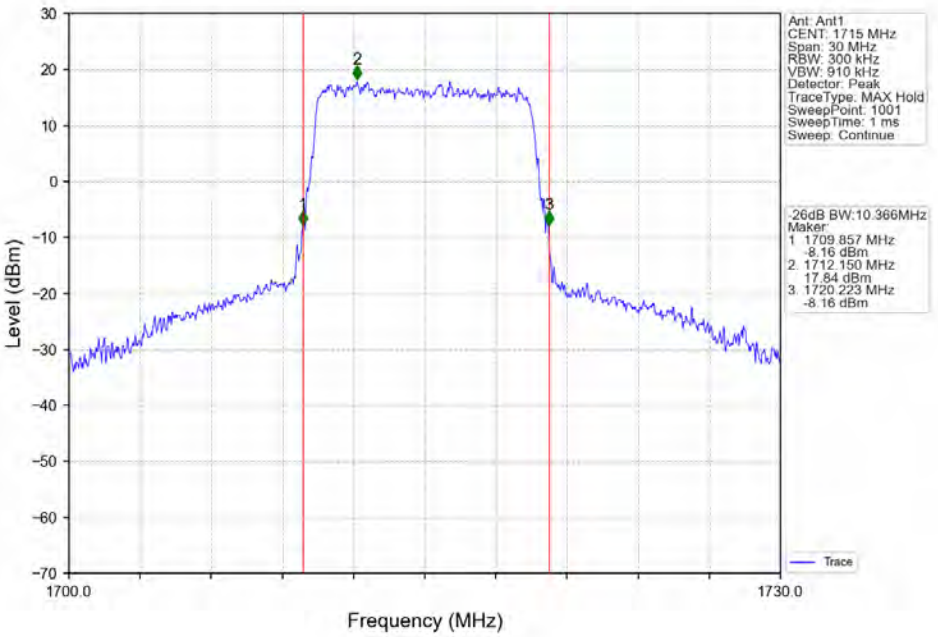
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



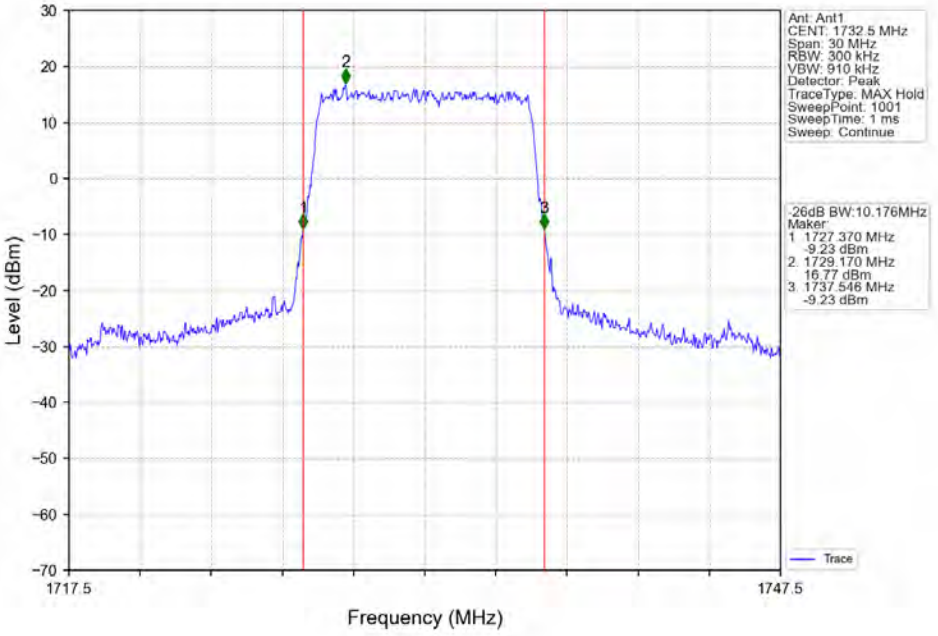
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



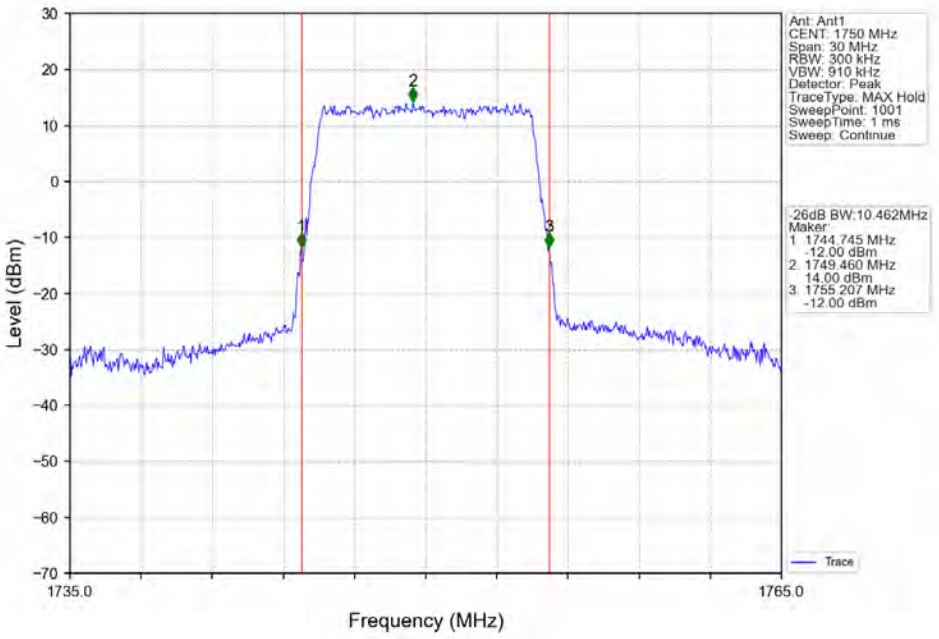
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



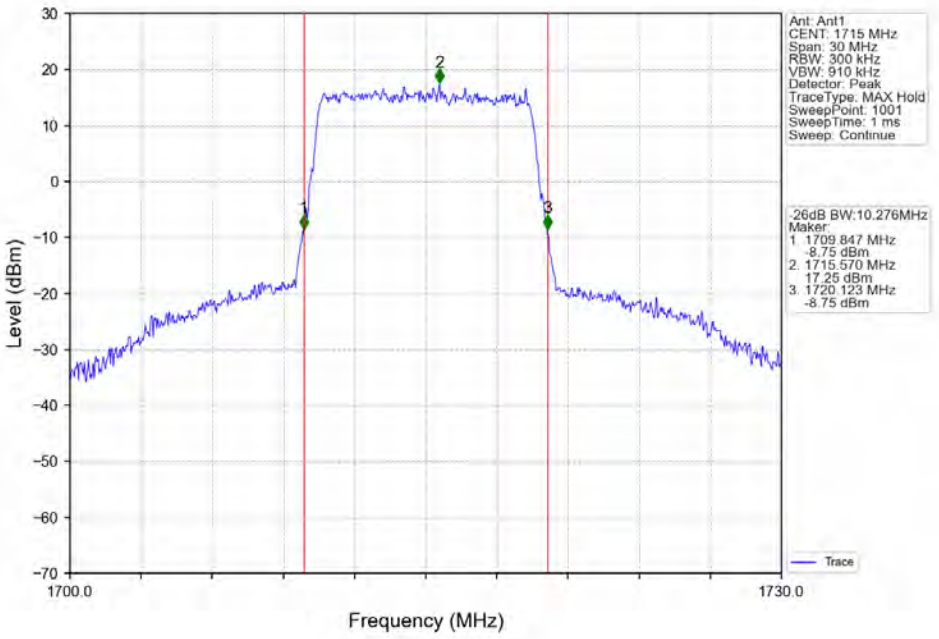
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



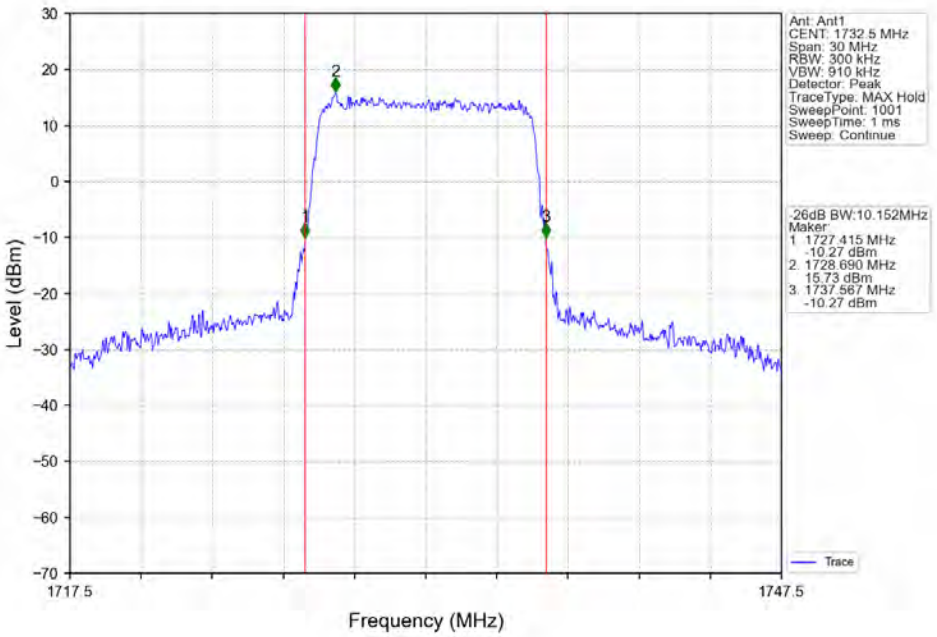
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



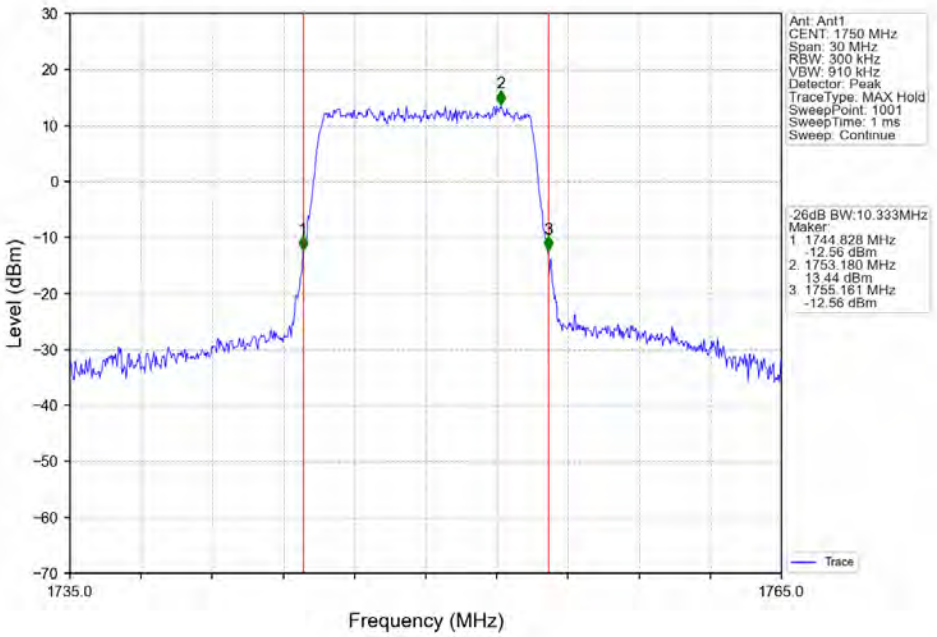
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



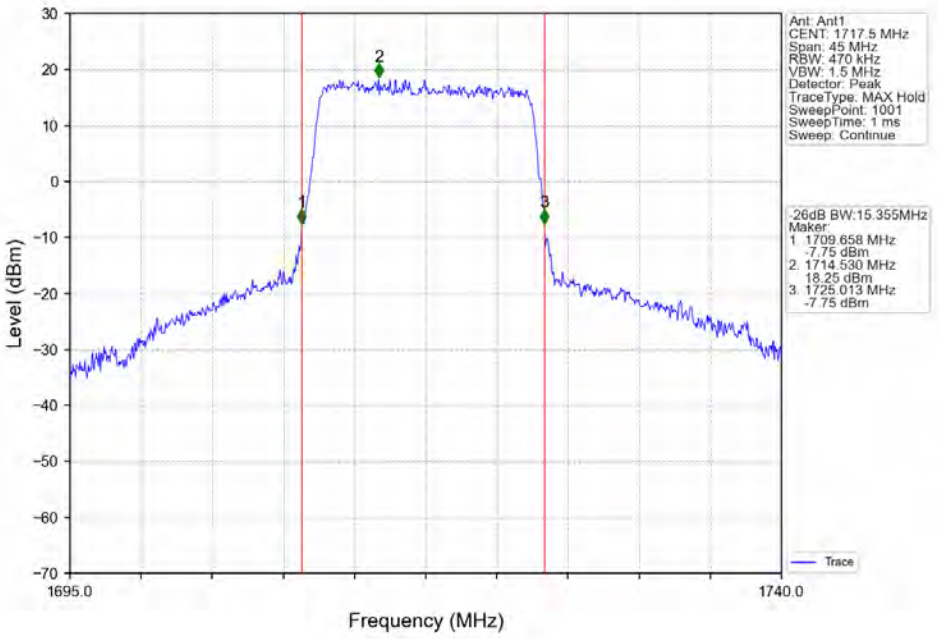
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



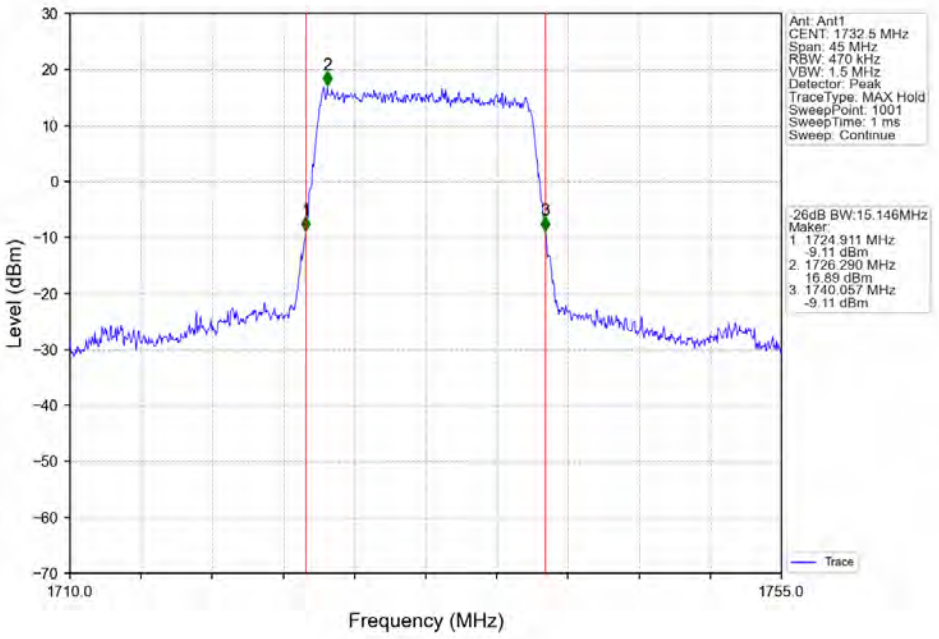
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



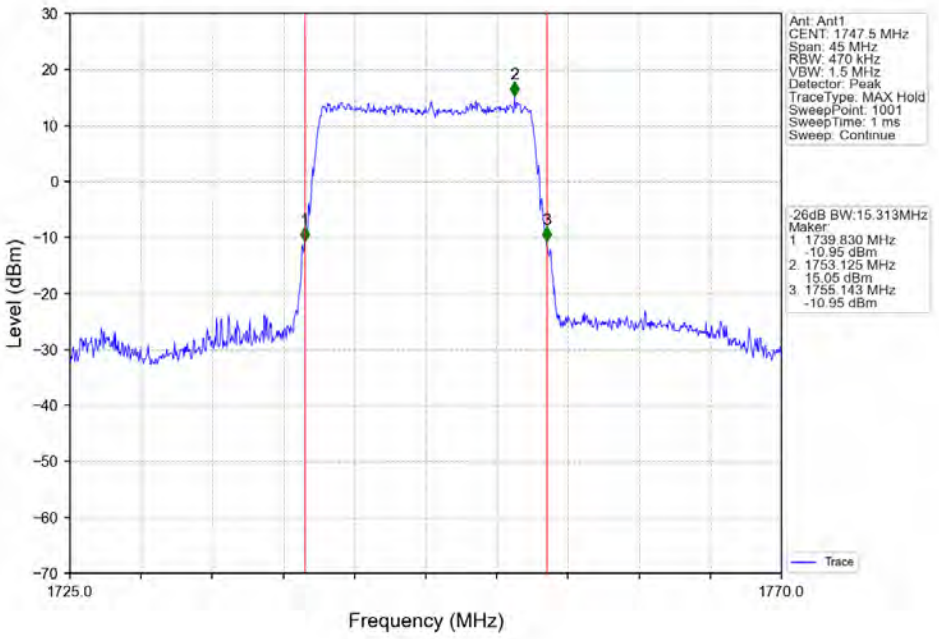
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



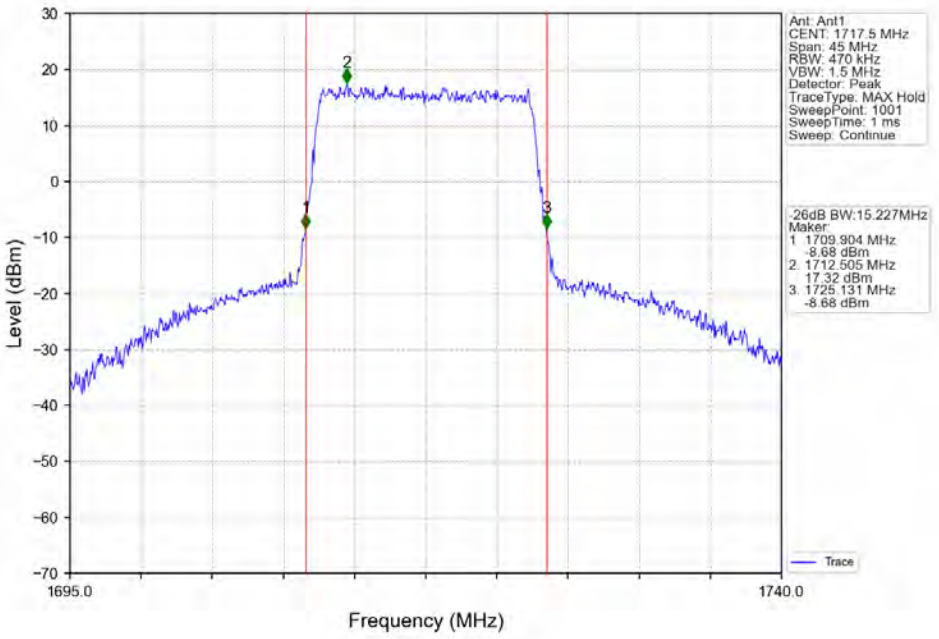
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



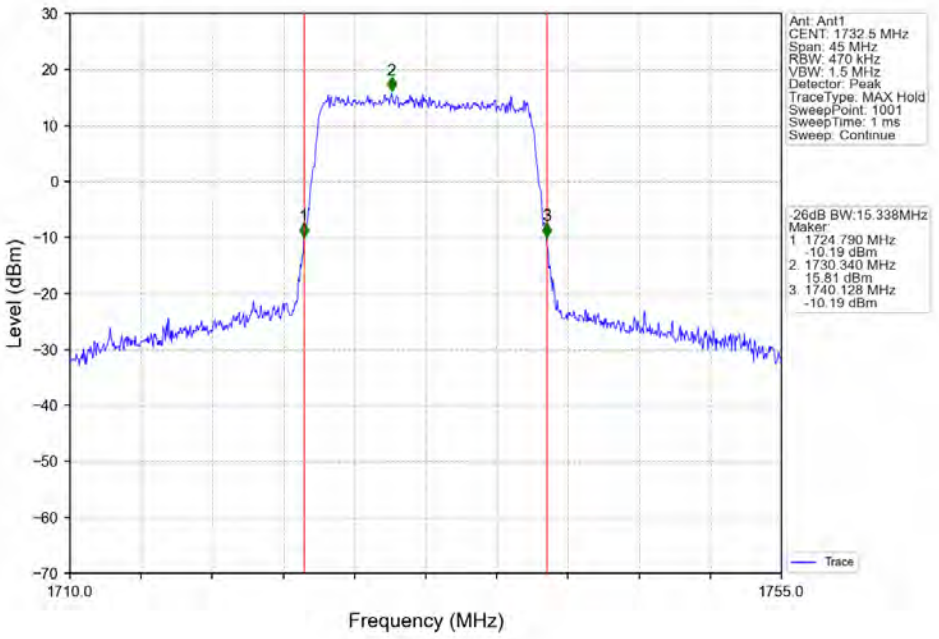
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



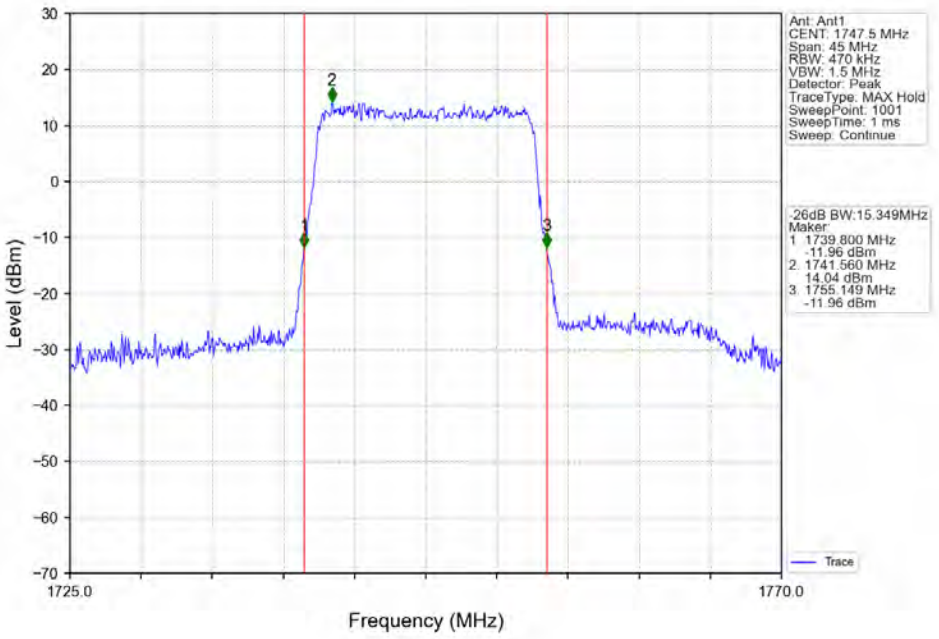
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



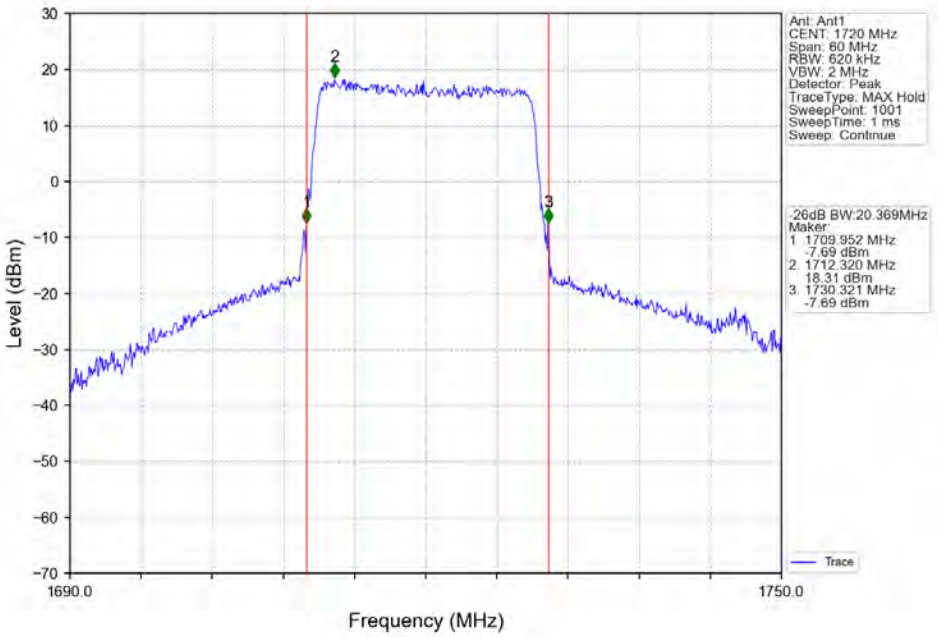
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



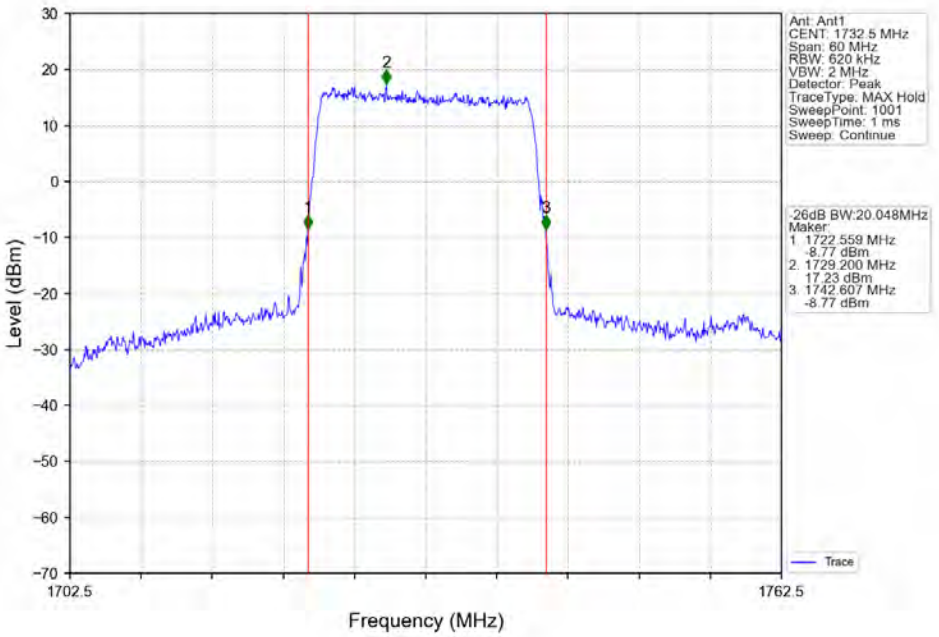
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



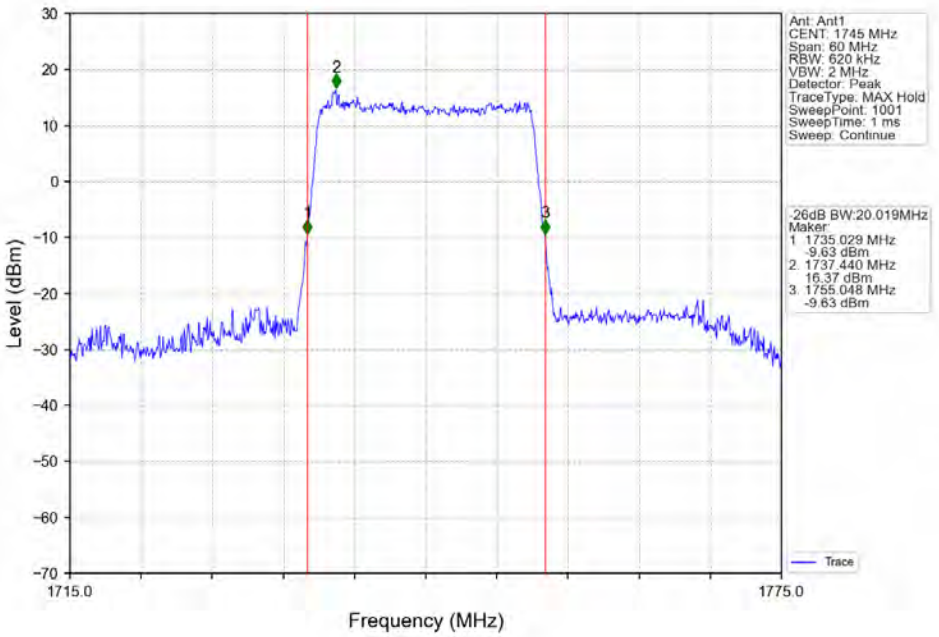
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



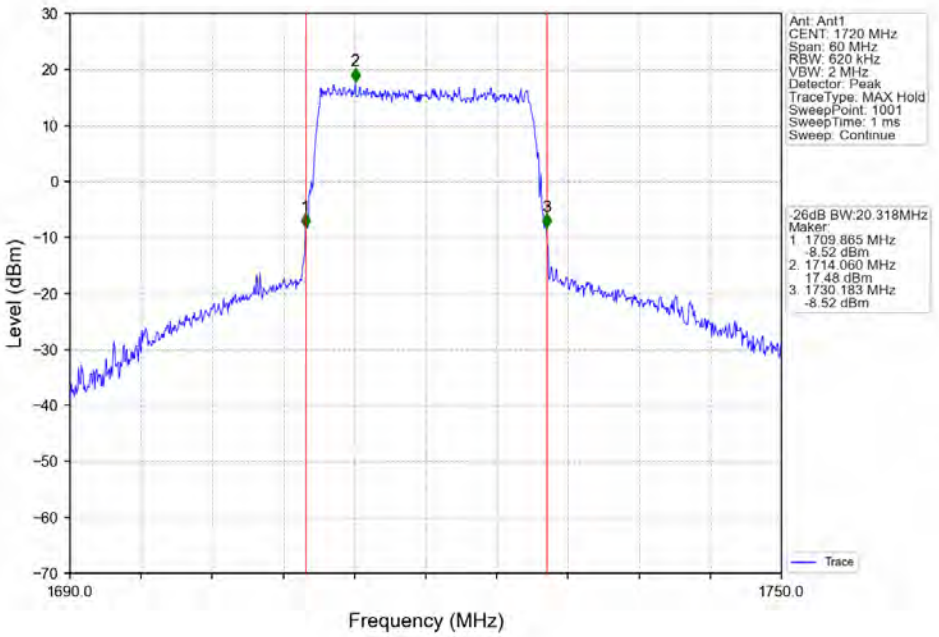
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



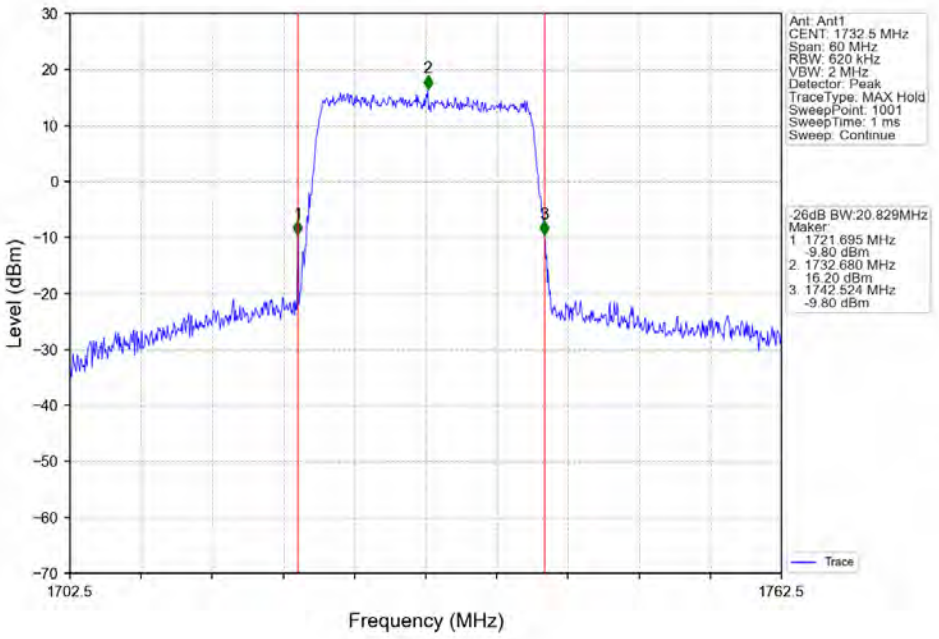
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



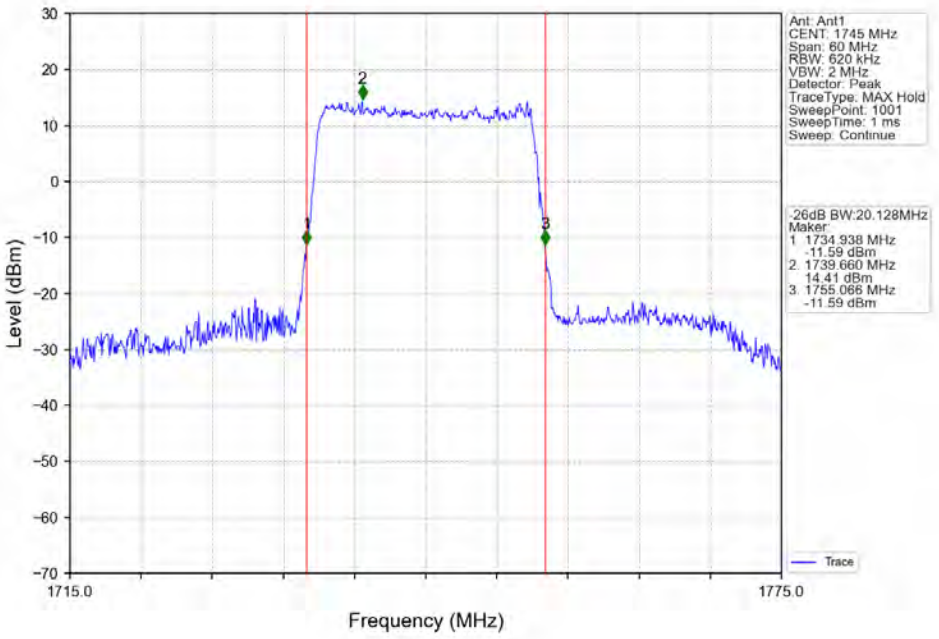
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Peak-Average Ratio

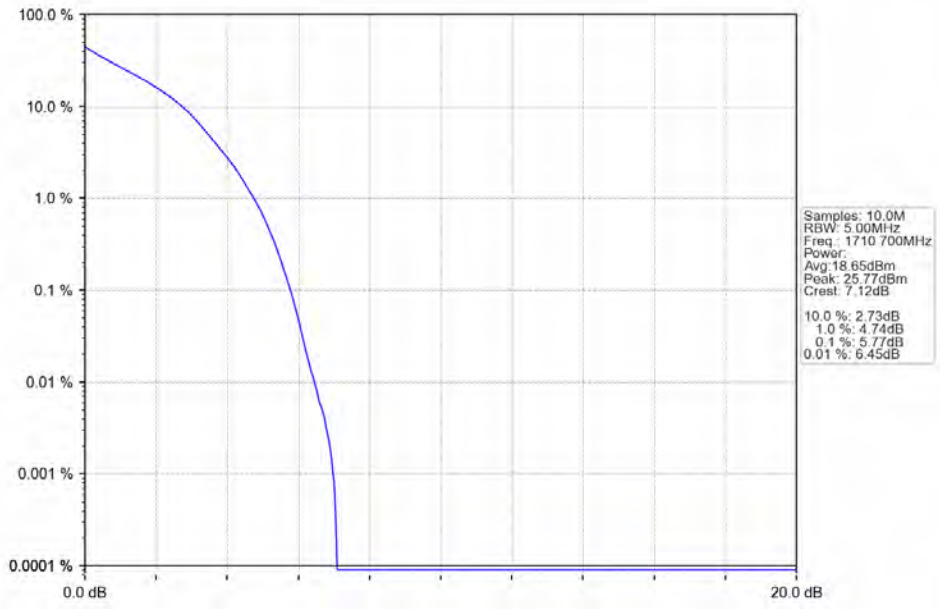
5.1 B4_1.4MHz

5.1.1 Test Result

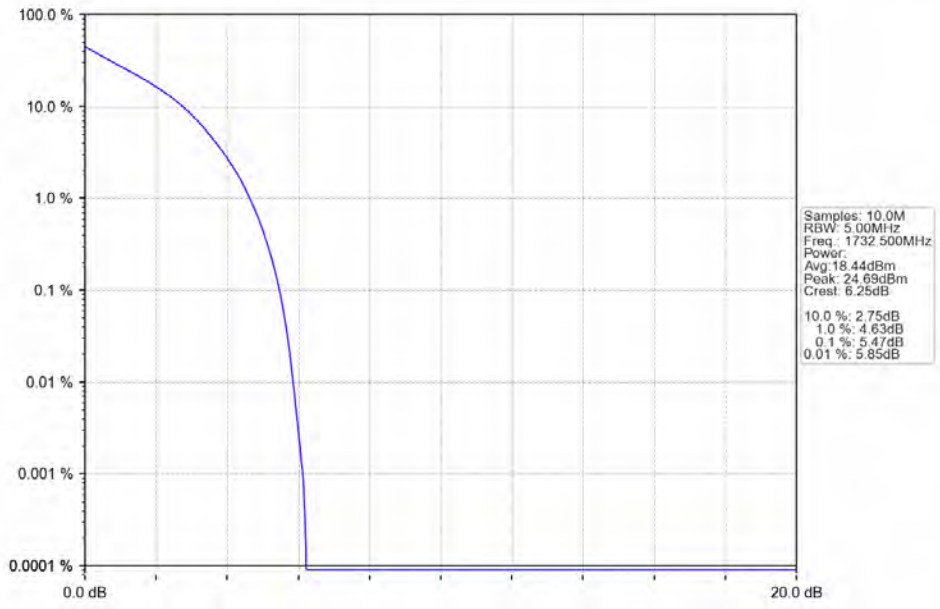
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.77	<=13	Pass
	1732.5	6	0	5.47	<=13	Pass
	1754.3	6	0	5.93	<=13	Pass
16QAM	1710.7	6	0	6.54	<=13	Pass
	1732.5	6	0	6.40	<=13	Pass
	1754.3	6	0	6.80	<=13	Pass

5.1.2 Test Graph

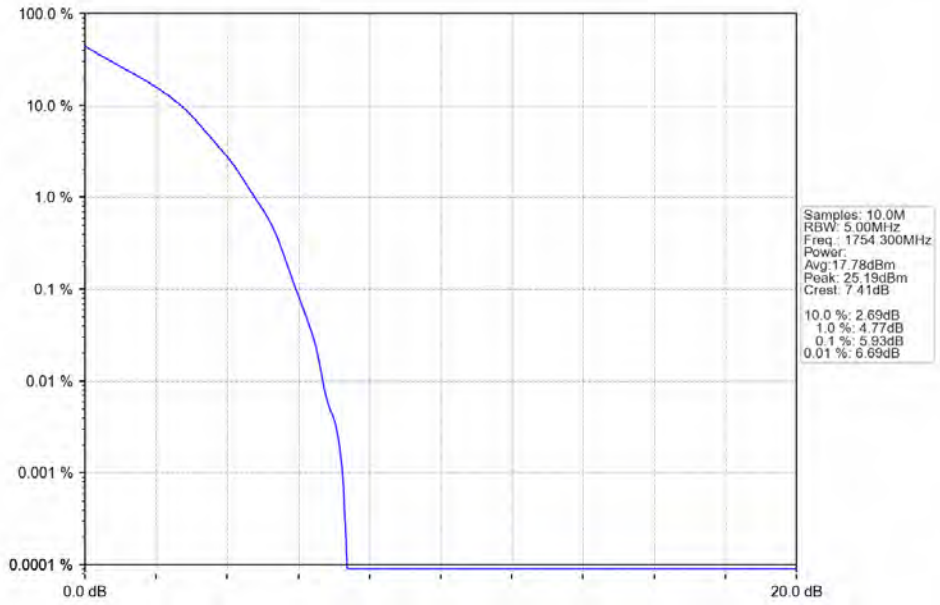
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



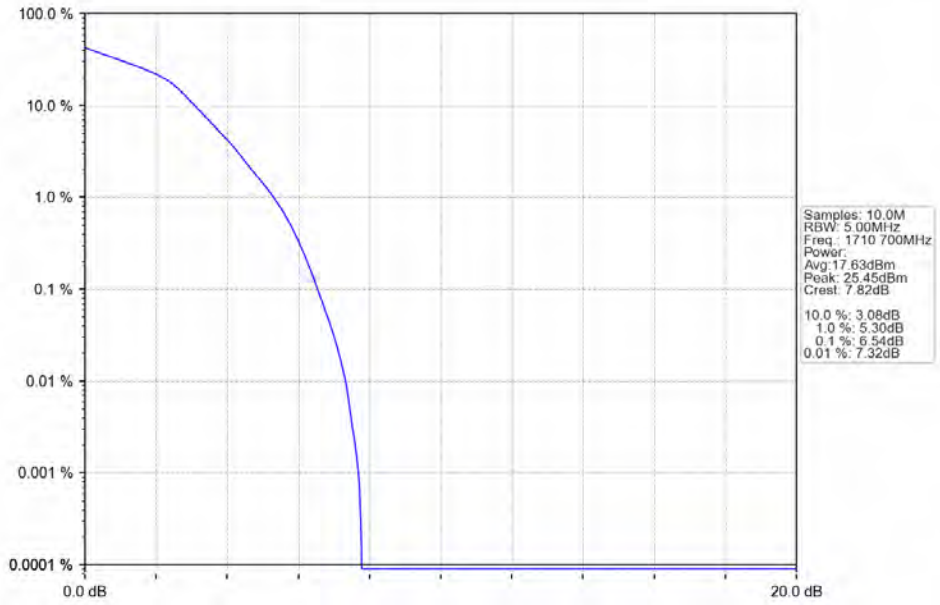
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



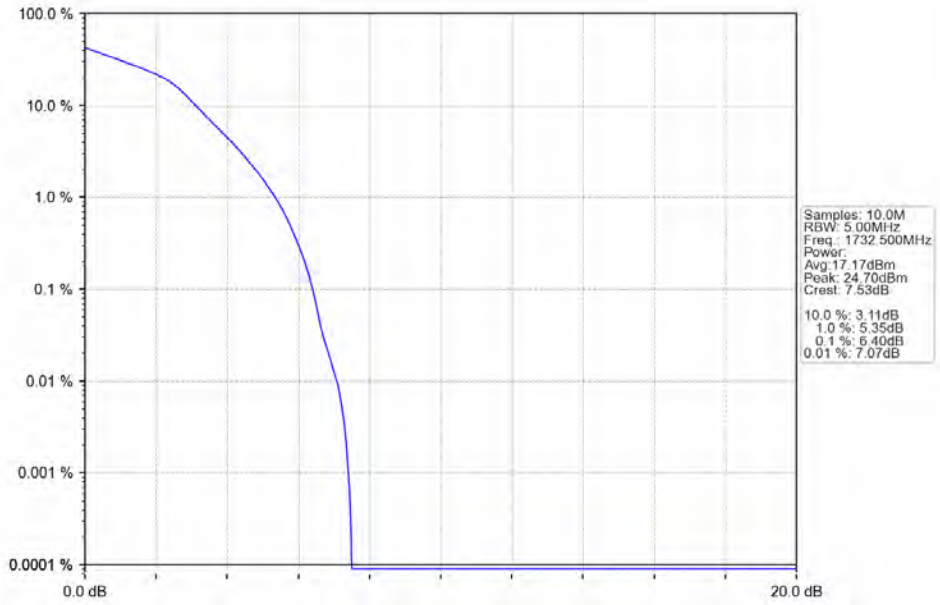
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



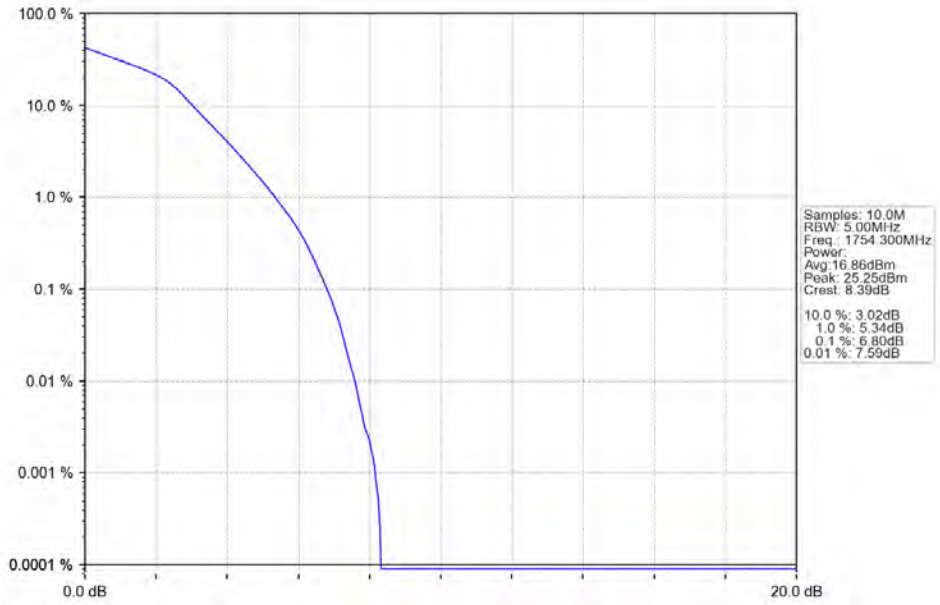
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



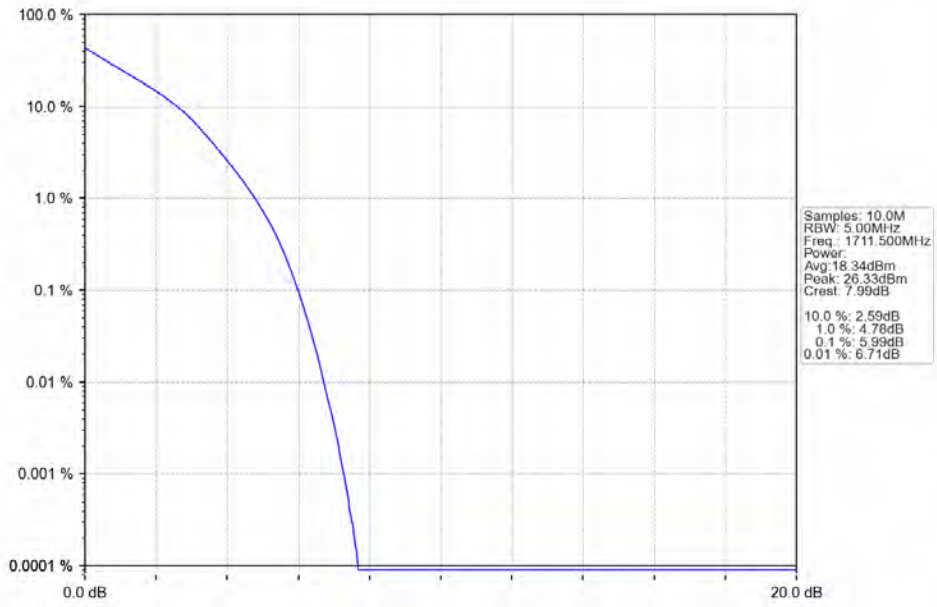
5.2 B4_3MHz

5.2.1 Test Result

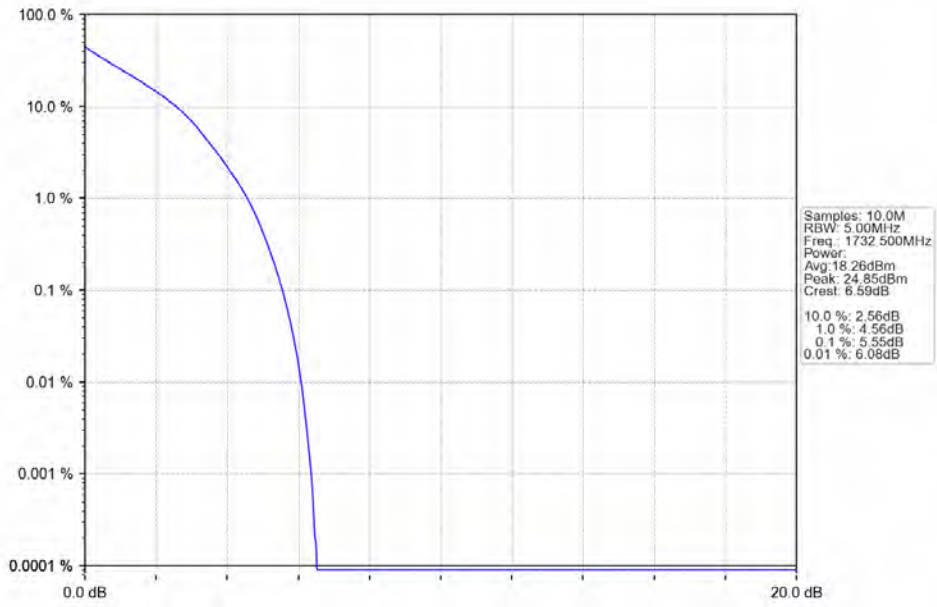
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.99	<=13	Pass
	1732.5	15	0	5.55	<=13	Pass
	1753.5	15	0	6.00	<=13	Pass
16QAM	1711.5	15	0	6.75	<=13	Pass
	1732.5	15	0	6.41	<=13	Pass
	1753.5	15	0	6.81	<=13	Pass

5.2.2 Test Graph

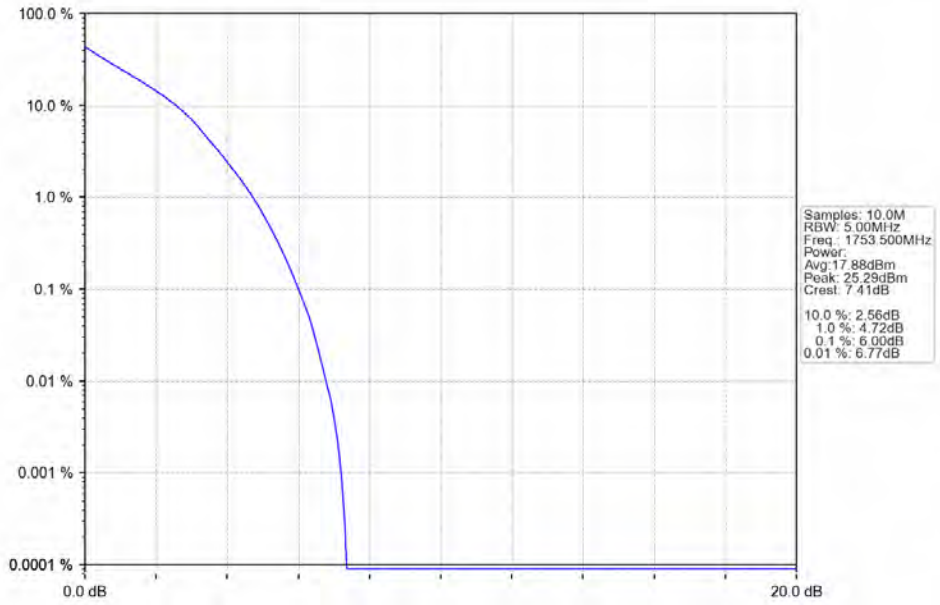
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



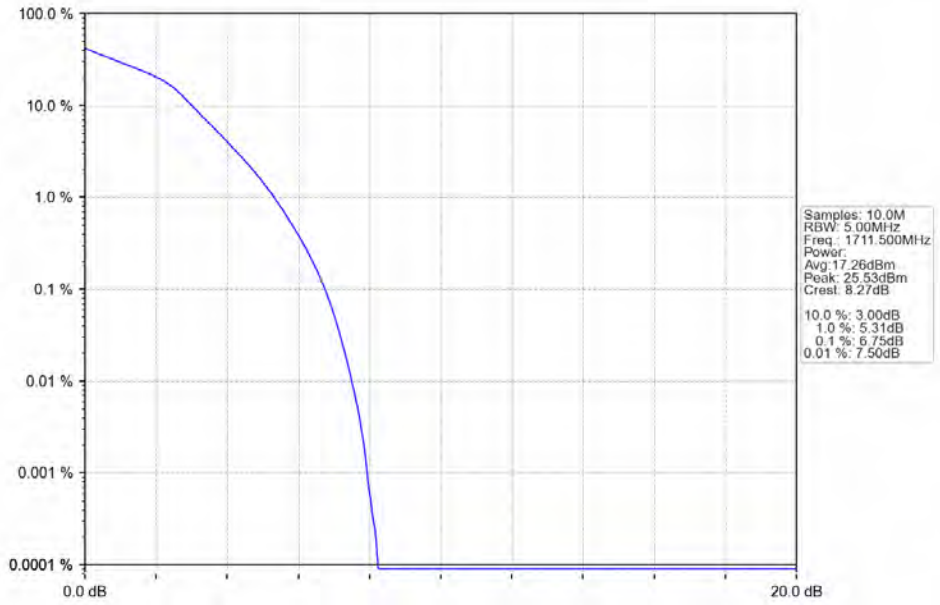
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



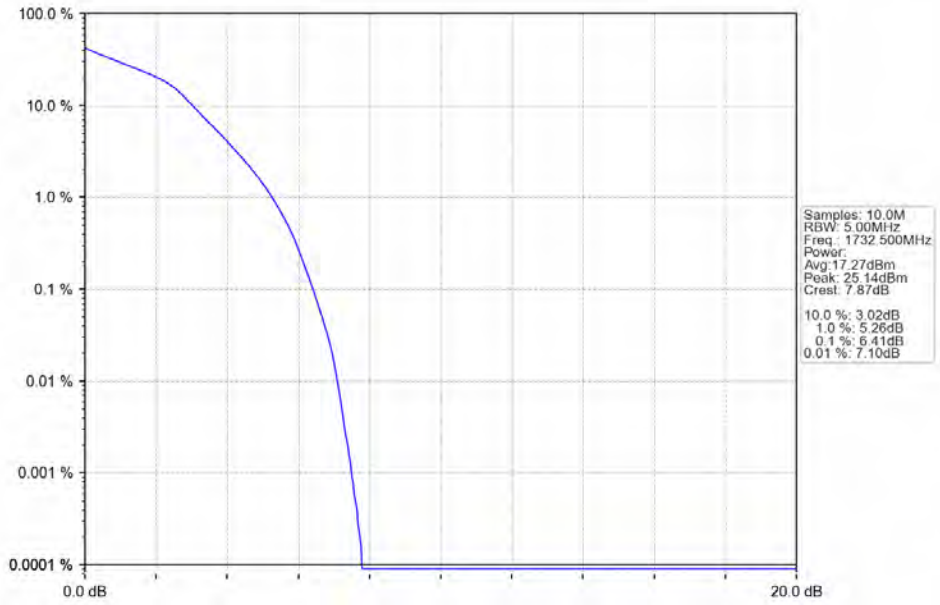
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



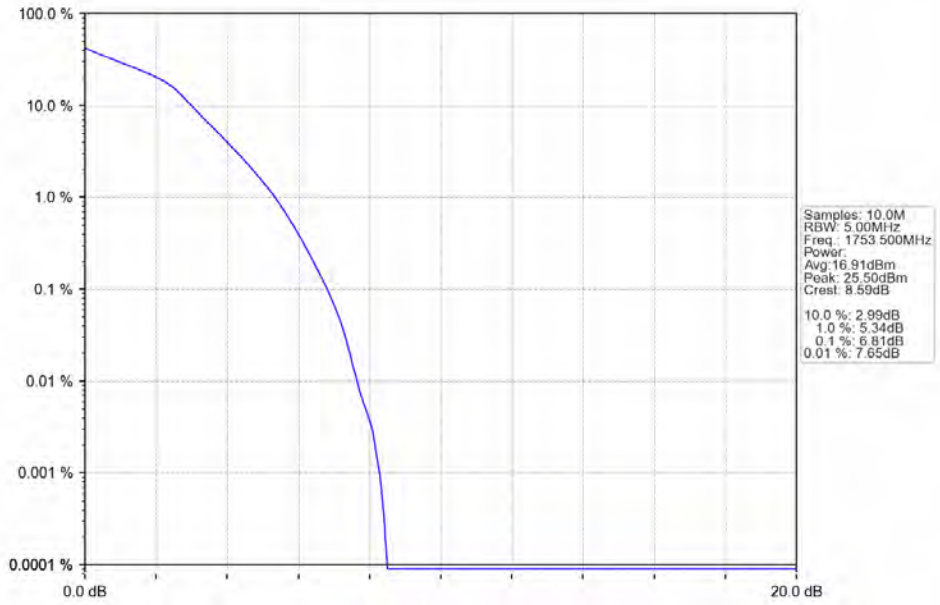
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



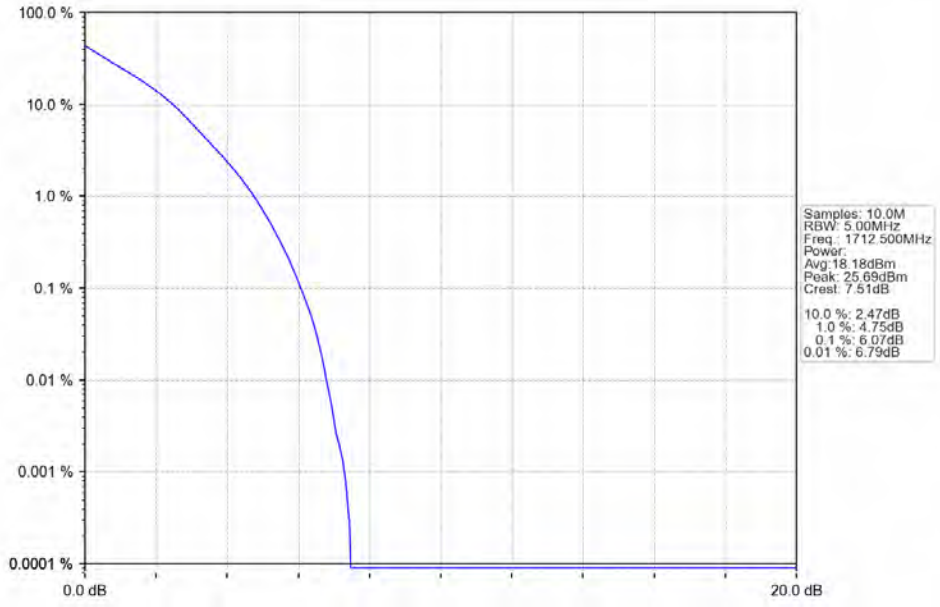
5.3 B4_5MHz

5.3.1 Test Result

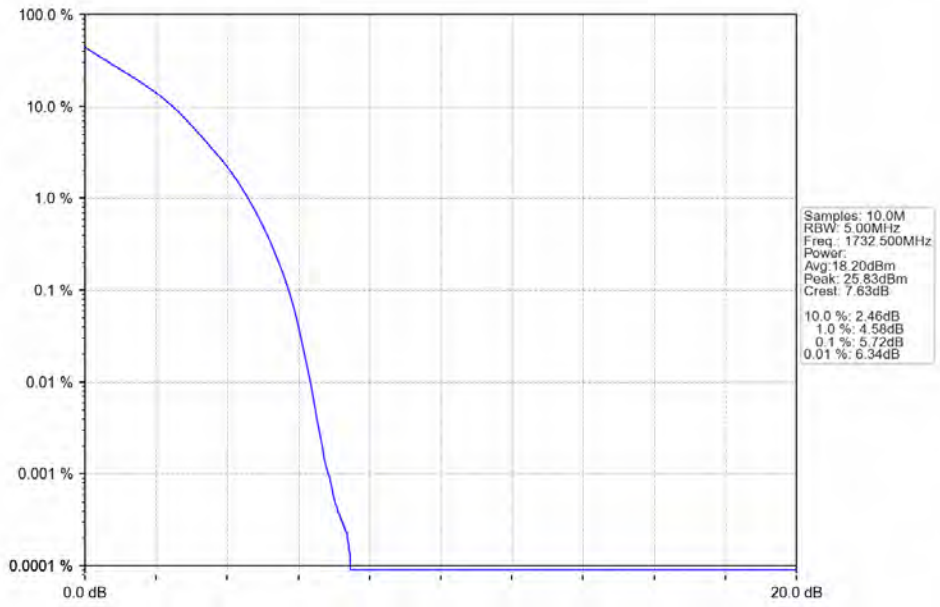
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	6.07	<=13	Pass
	1732.5	25	0	5.72	<=13	Pass
	1752.5	25	0	6.00	<=13	Pass
16QAM	1712.5	25	0	6.83	<=13	Pass
	1732.5	25	0	6.47	<=13	Pass
	1752.5	25	0	6.67	<=13	Pass

5.3.2 Test Graph

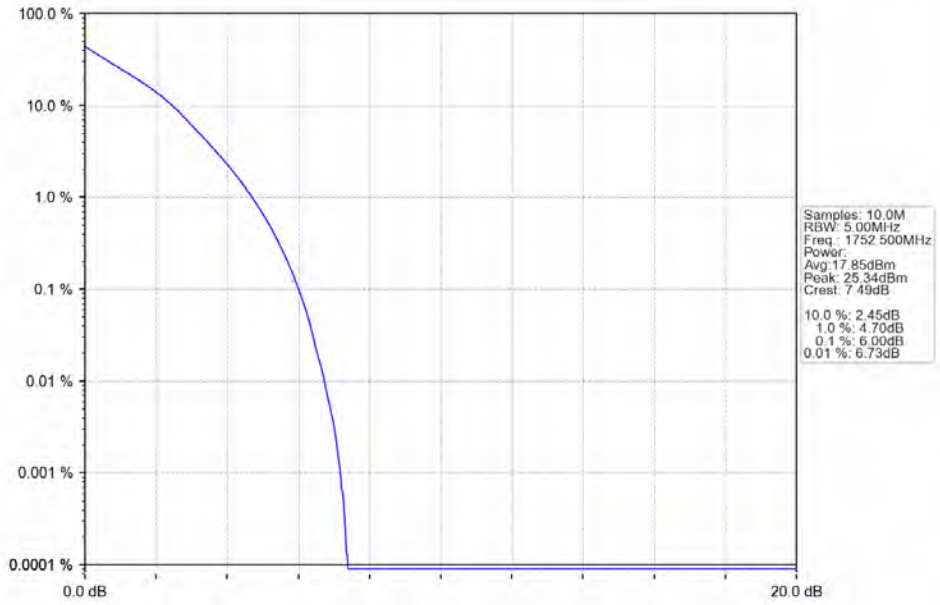
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



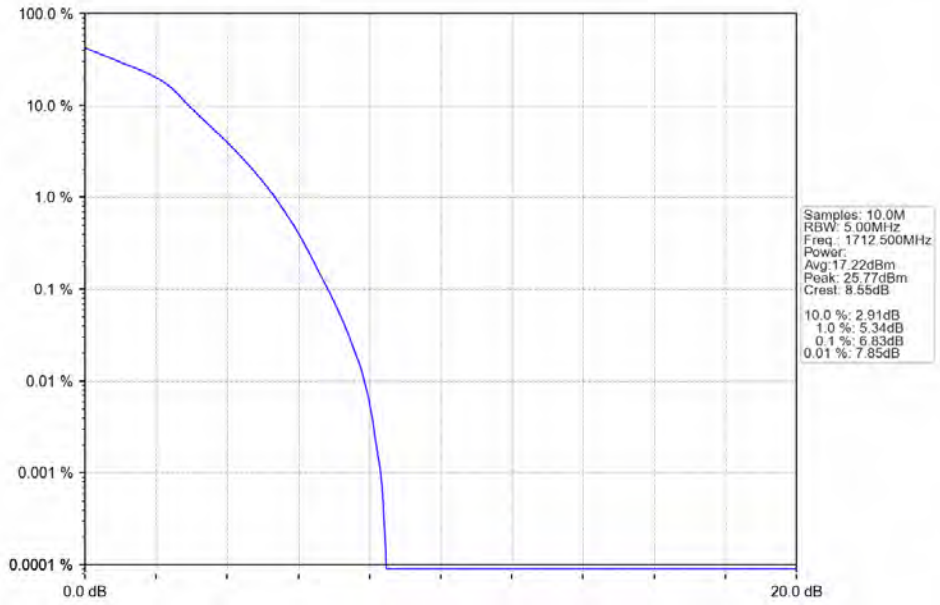
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



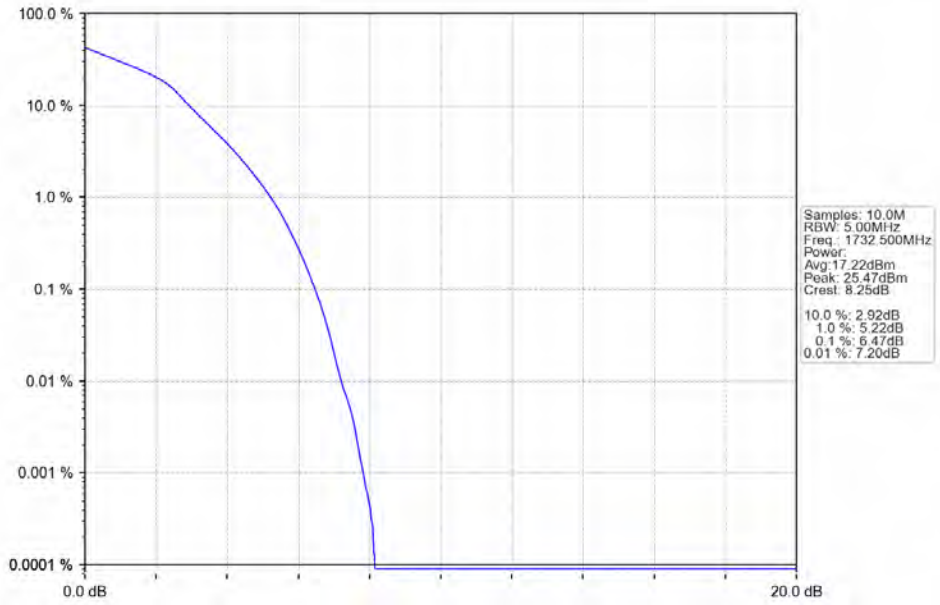
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



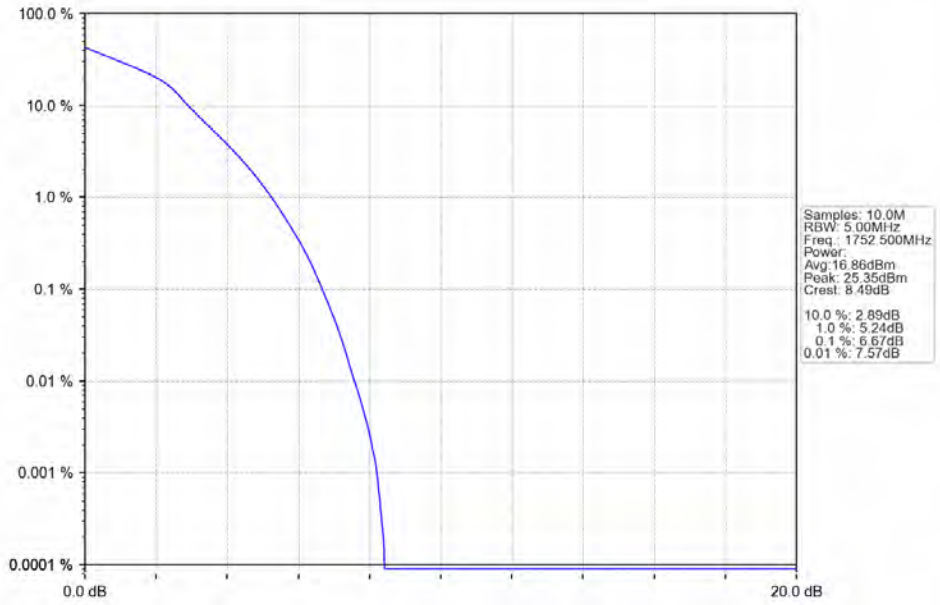
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



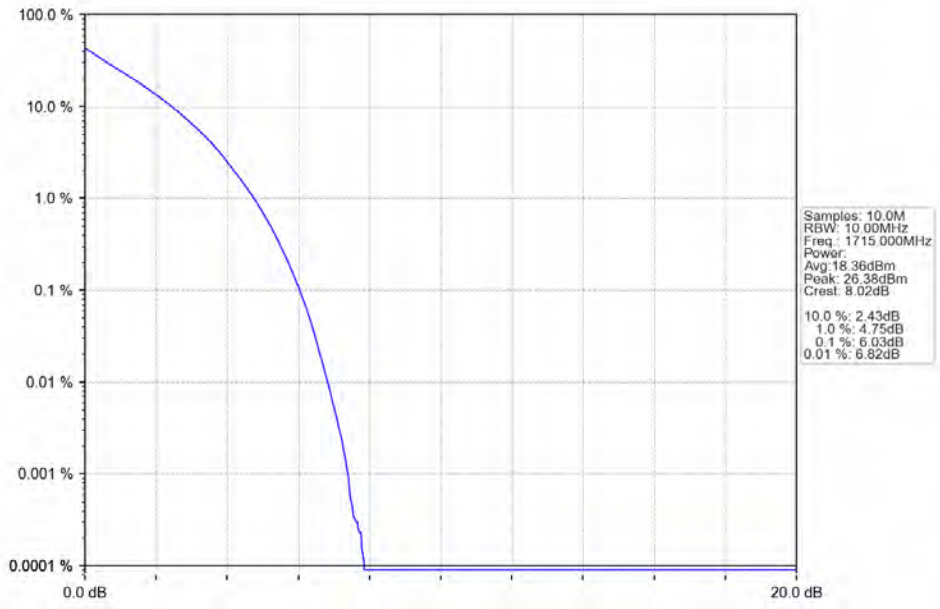
5.4 B4_10MHz

5.4.1 Test Result

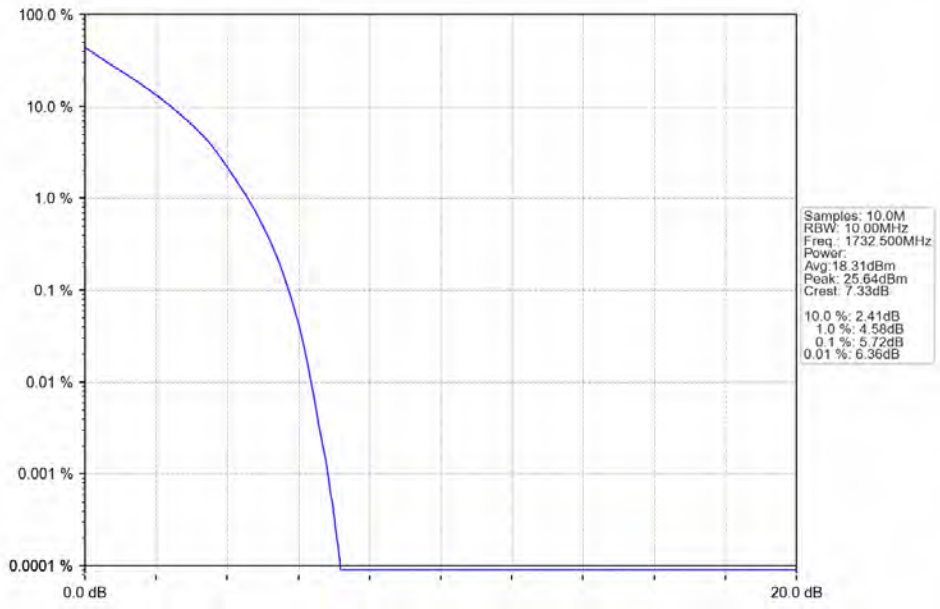
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	6.03	<=13	Pass
	1732.5	50	0	5.72	<=13	Pass
	1750	50	0	5.85	<=13	Pass
16QAM	1715	50	0	6.85	<=13	Pass
	1732.5	50	0	6.53	<=13	Pass
	1750	50	0	6.58	<=13	Pass

5.4.2 Test Graph

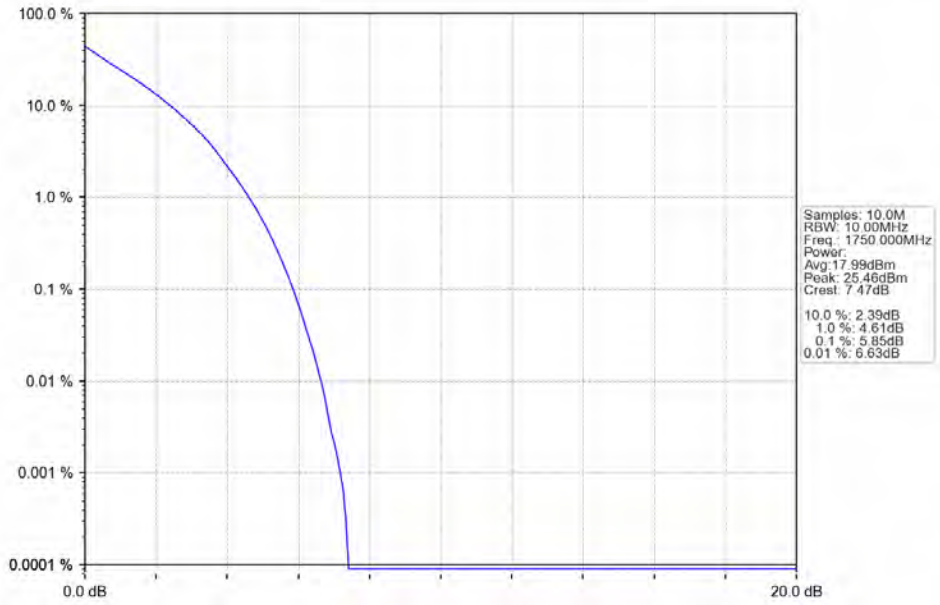
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



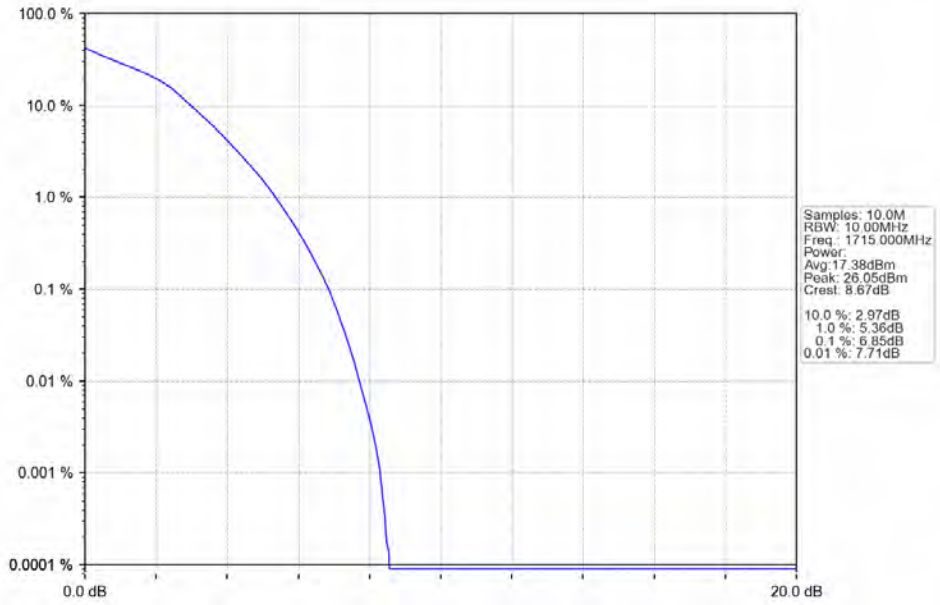
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



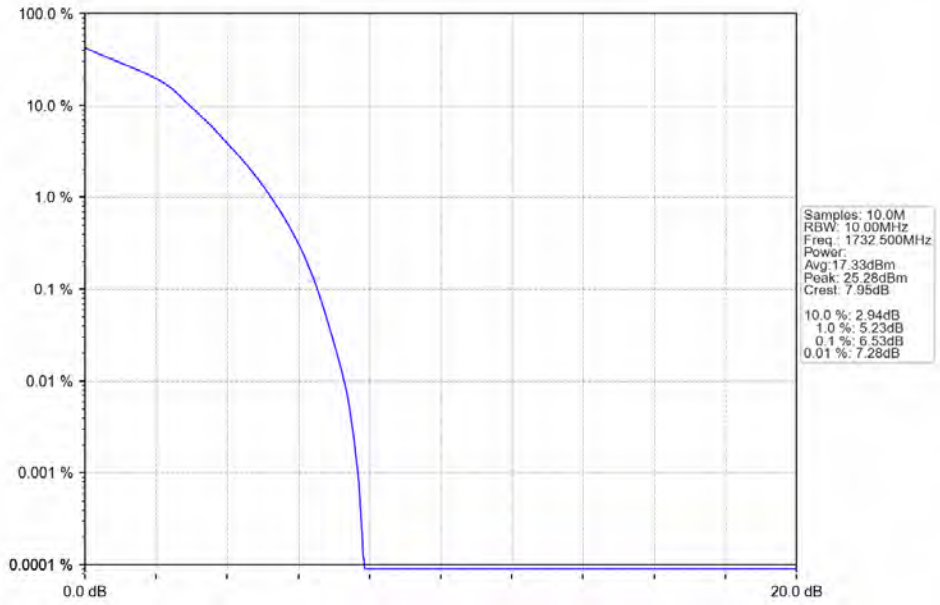
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



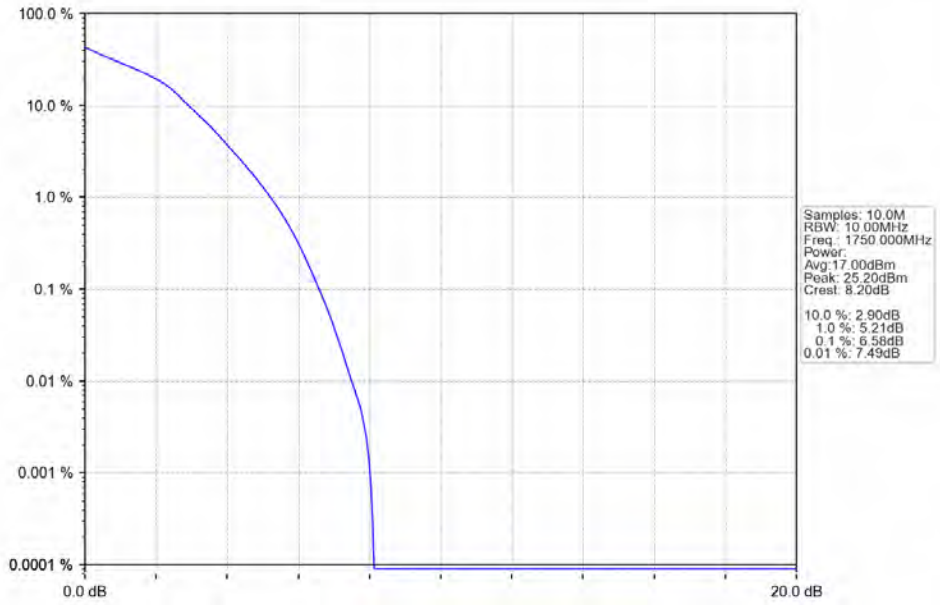
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



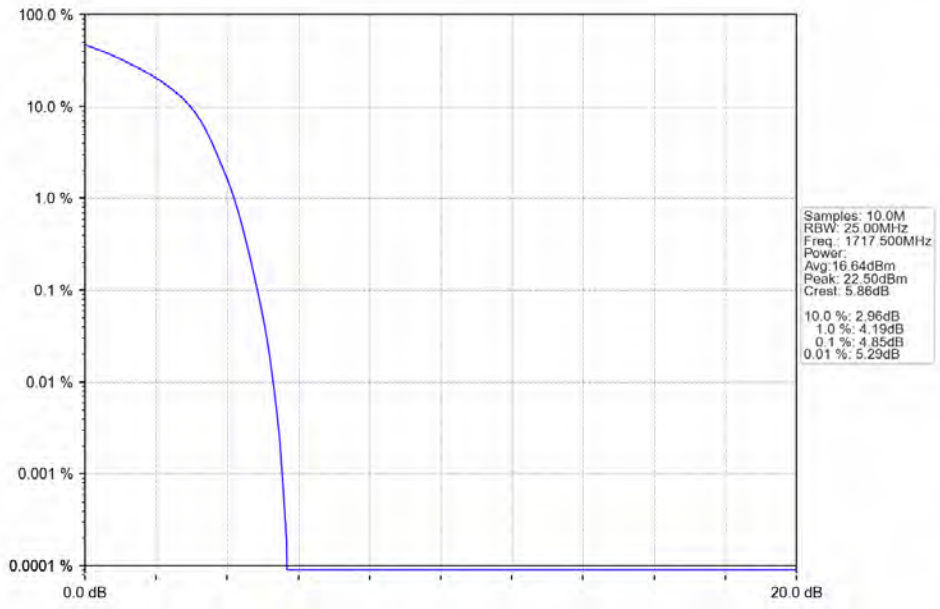
5.5 B4_15MHz

5.5.1 Test Result

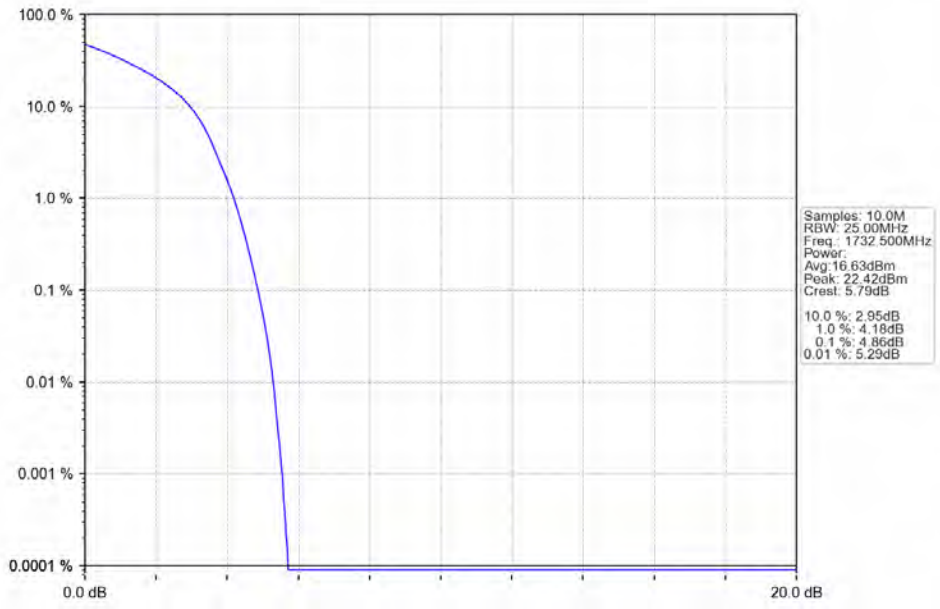
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.85	<=13	Pass
	1732.5	75	0	4.86	<=13	Pass
	1747.5	75	0	4.84	<=13	Pass
16QAM	1717.5	75	0	6.41	<=13	Pass
	1732.5	75	0	6.26	<=13	Pass
	1747.5	75	0	6.23	<=13	Pass

5.5.2 Test Graph

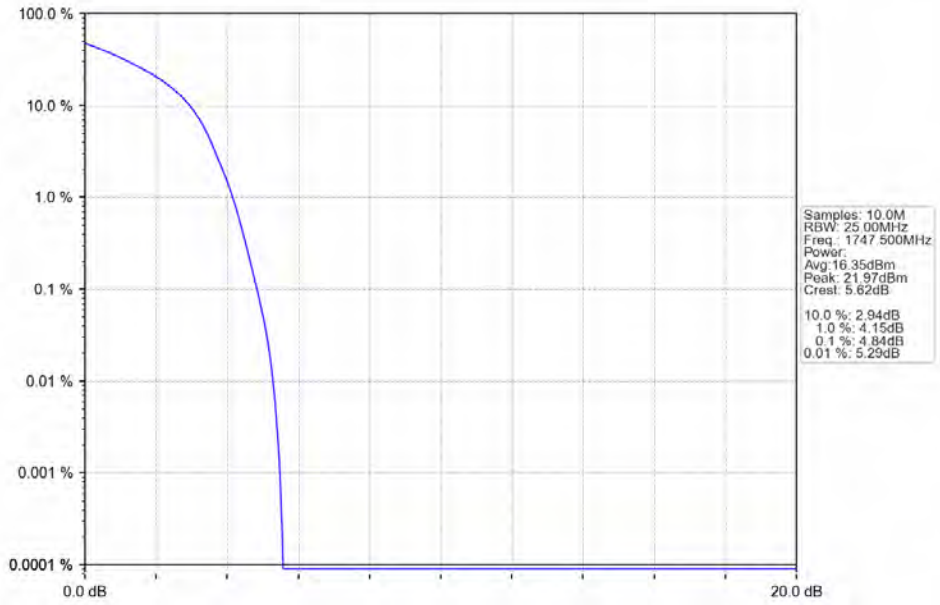
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



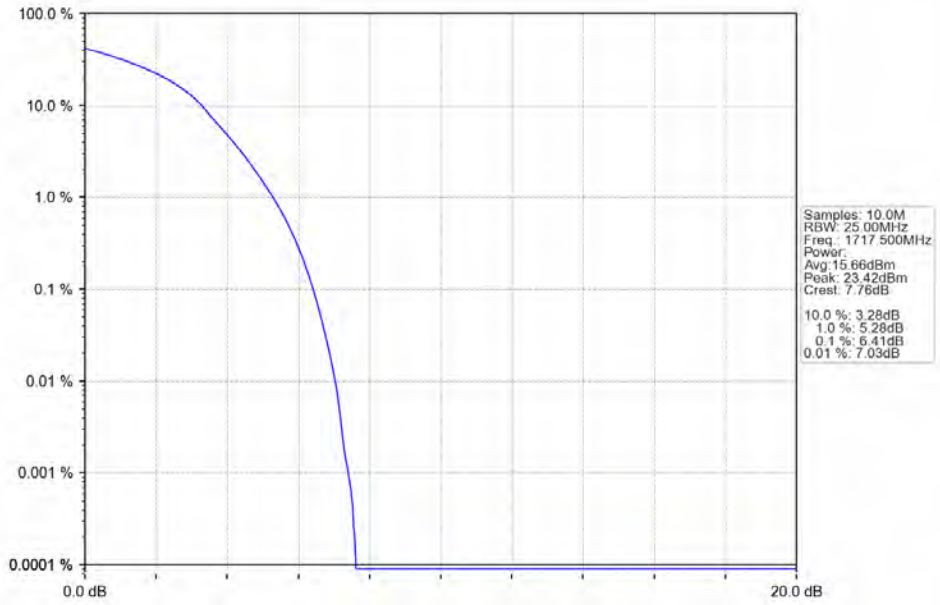
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



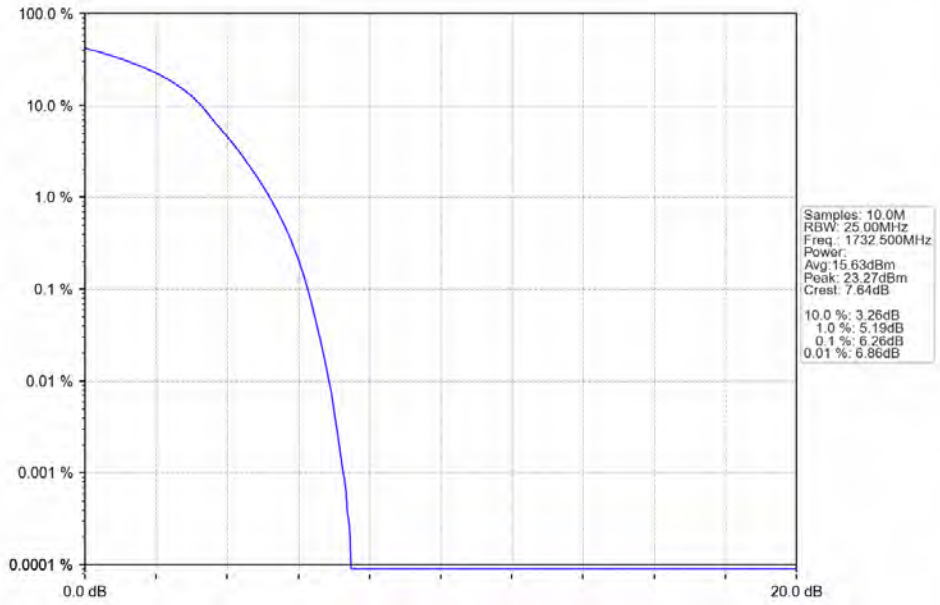
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



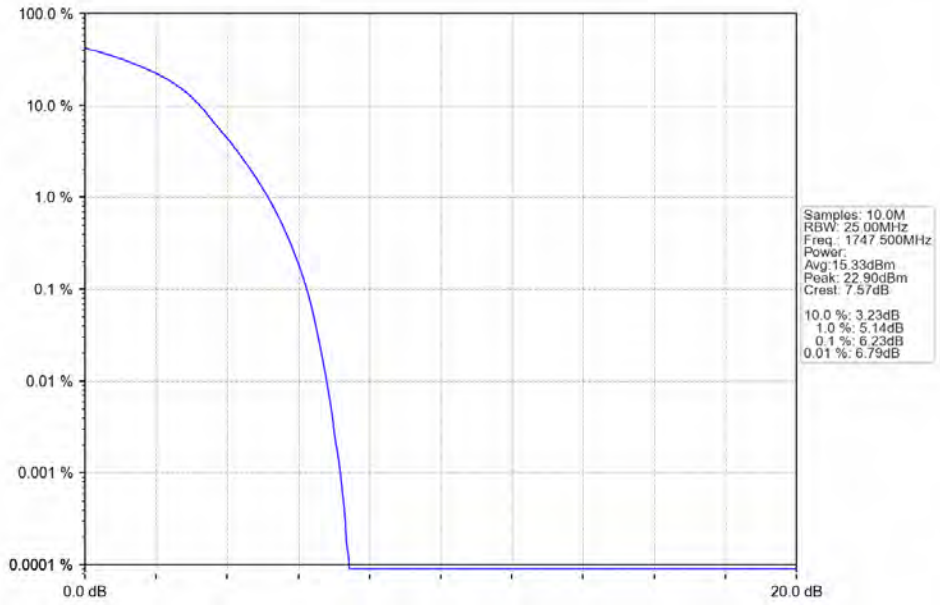
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



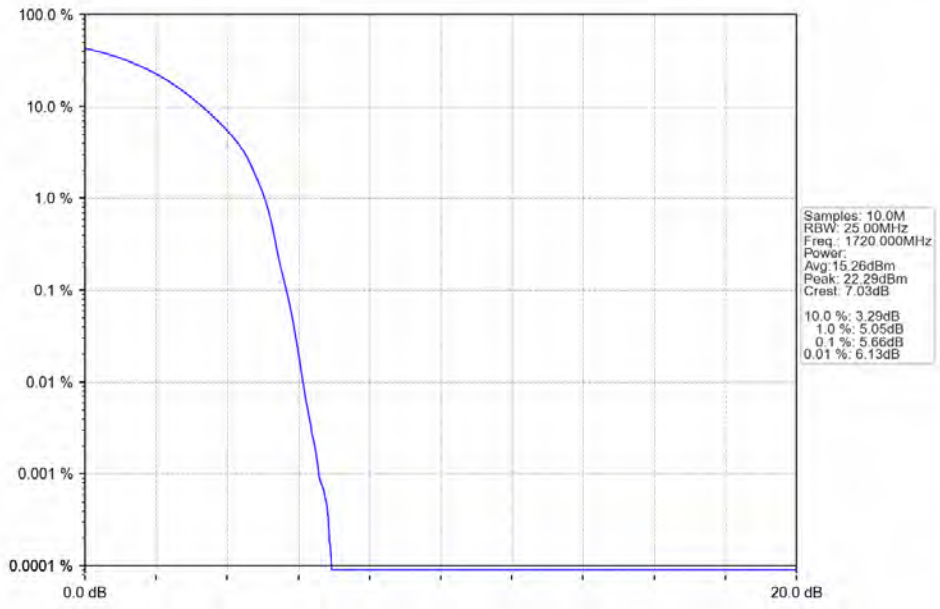
5.6 B4_20MHz

5.6.1 Test Result

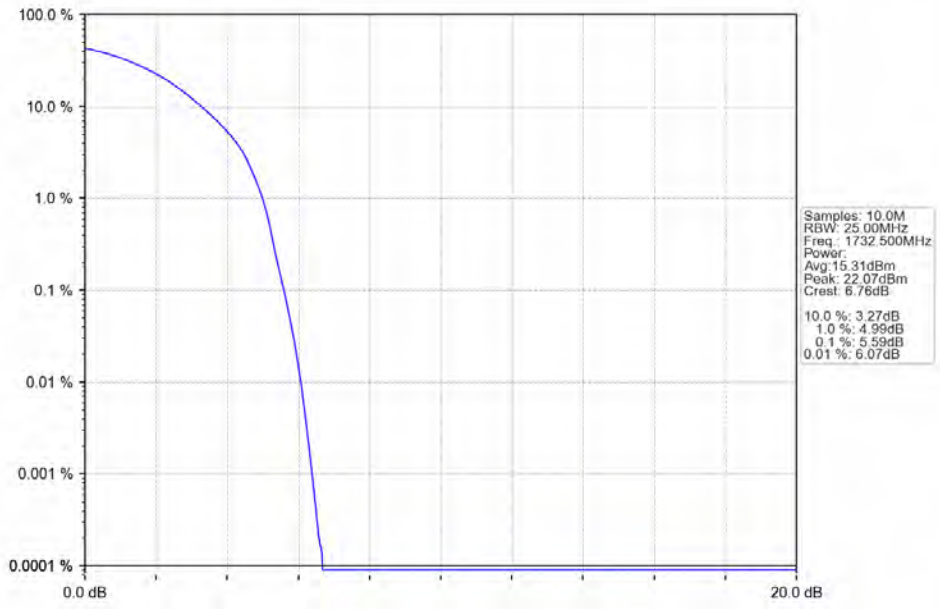
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.66	<=13	Pass
	1732.5	100	0	5.59	<=13	Pass
	1745	100	0	5.62	<=13	Pass
16QAM	1720	100	0	6.86	<=13	Pass
	1732.5	100	0	6.80	<=13	Pass
	1745	100	0	6.72	<=13	Pass

5.6.2 Test Graph

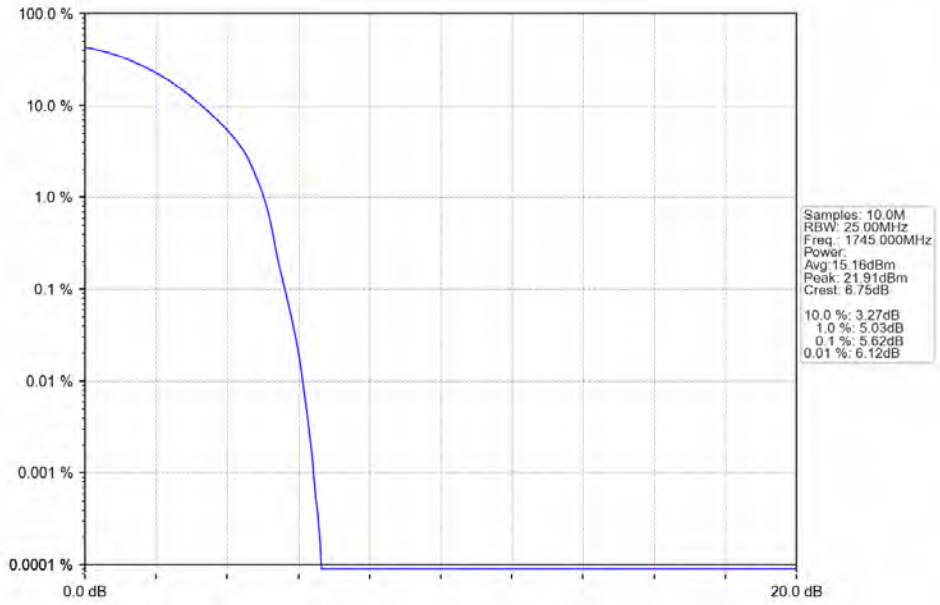
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



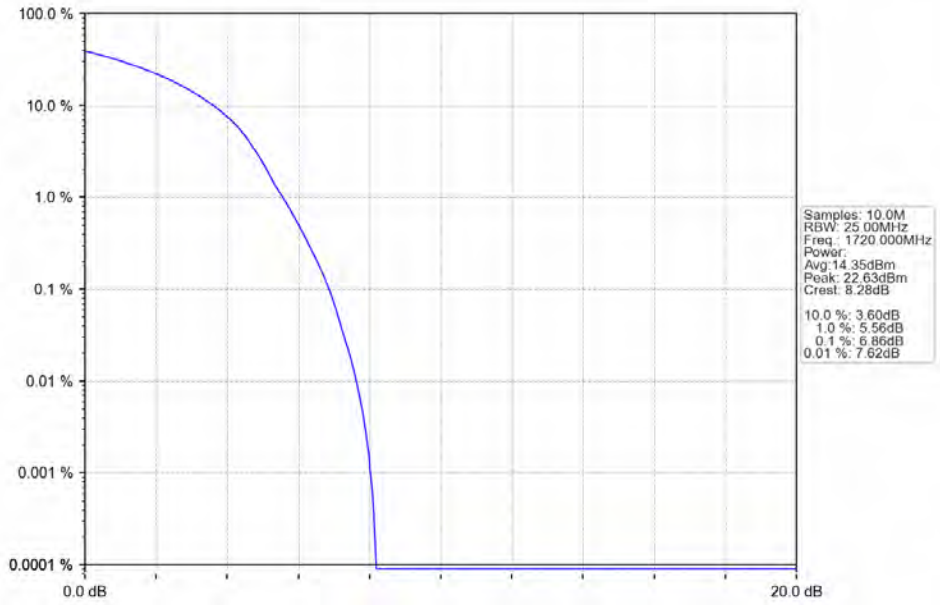
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



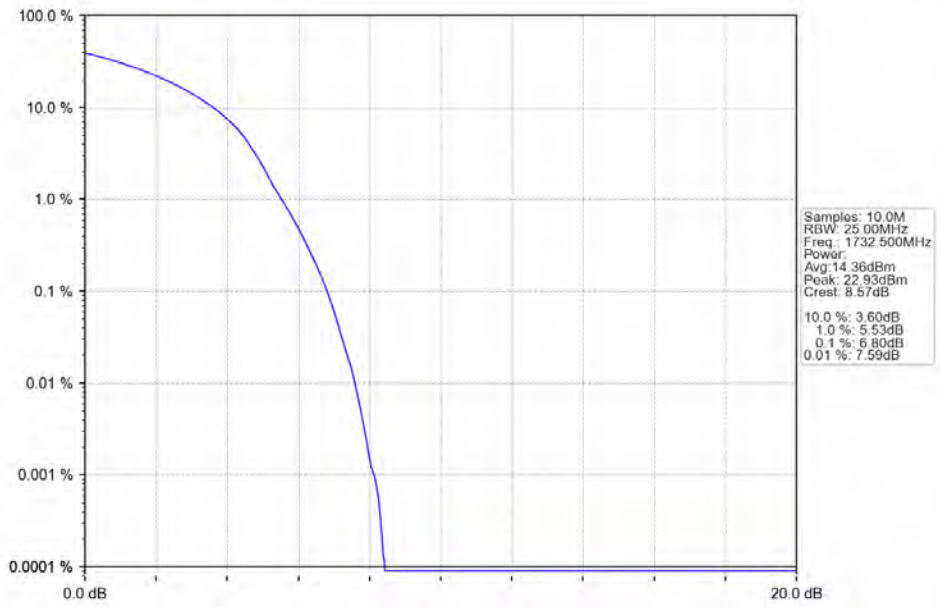
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



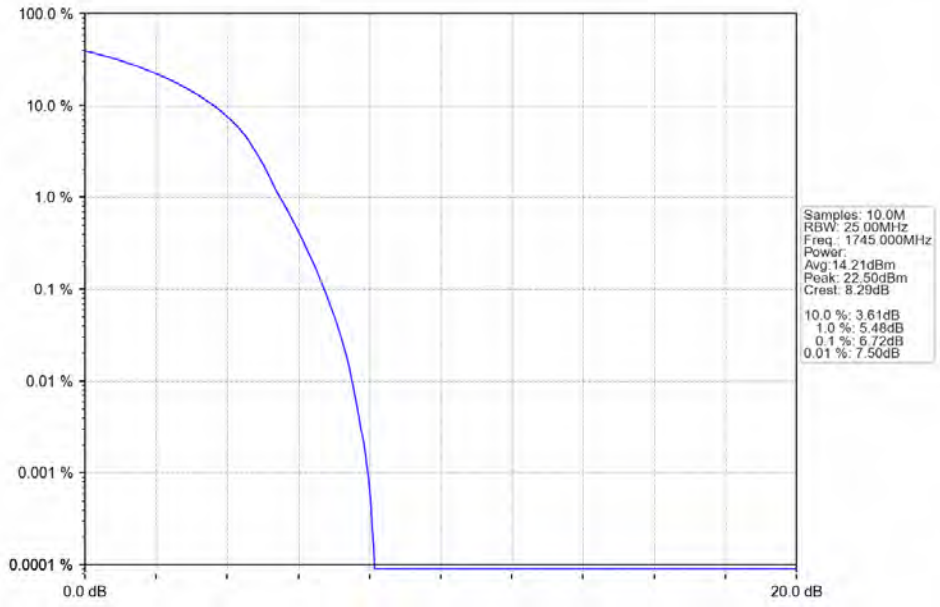
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



6. Spurious Emission

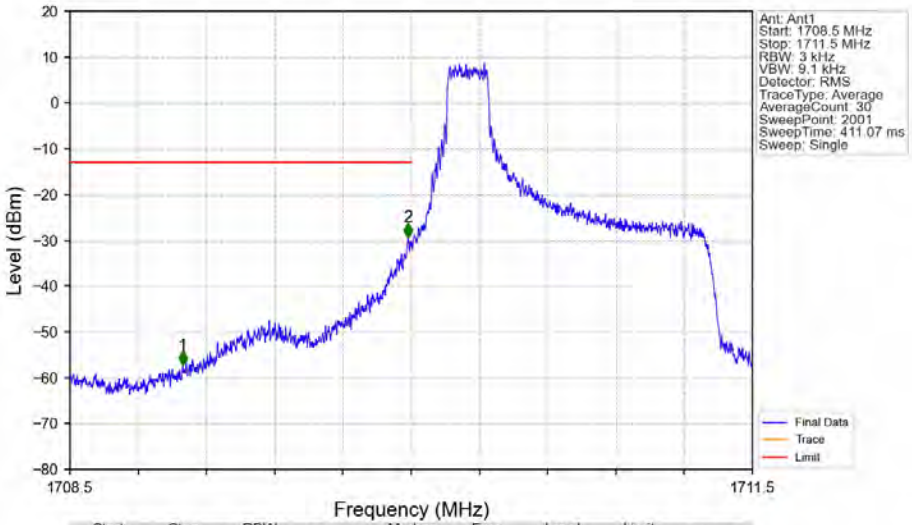
6.1 B4_1.4MHz

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

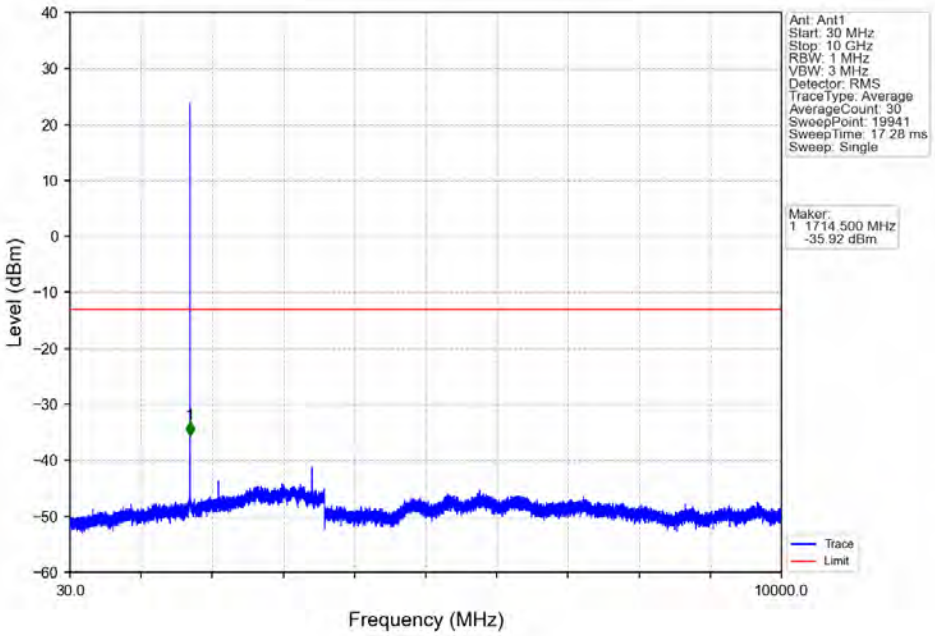
6.1.2 Test Graph

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

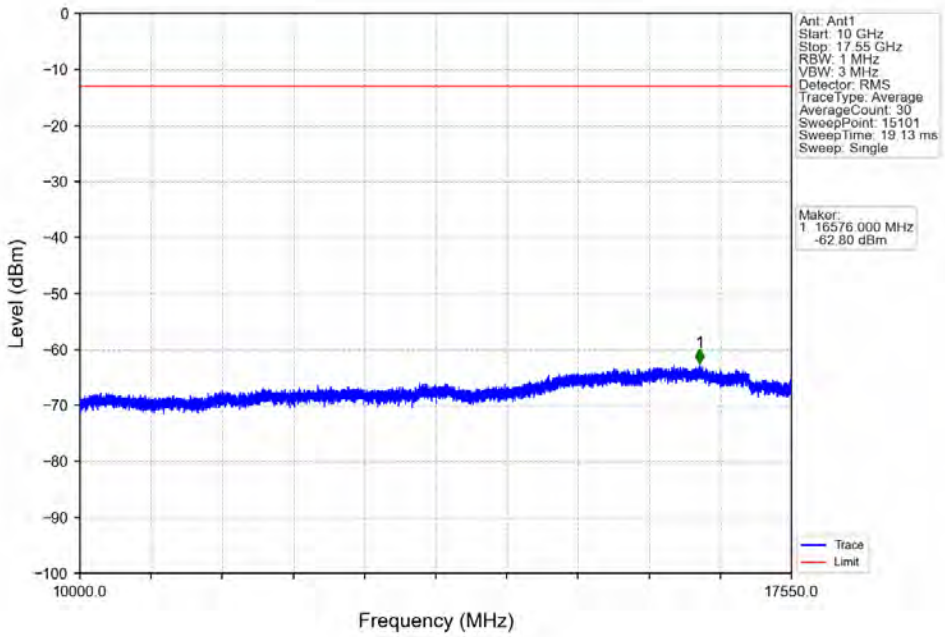


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.995	-57.29	-13	Pass
1709	1710	0.003	/	2	1709.986	-29.31	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

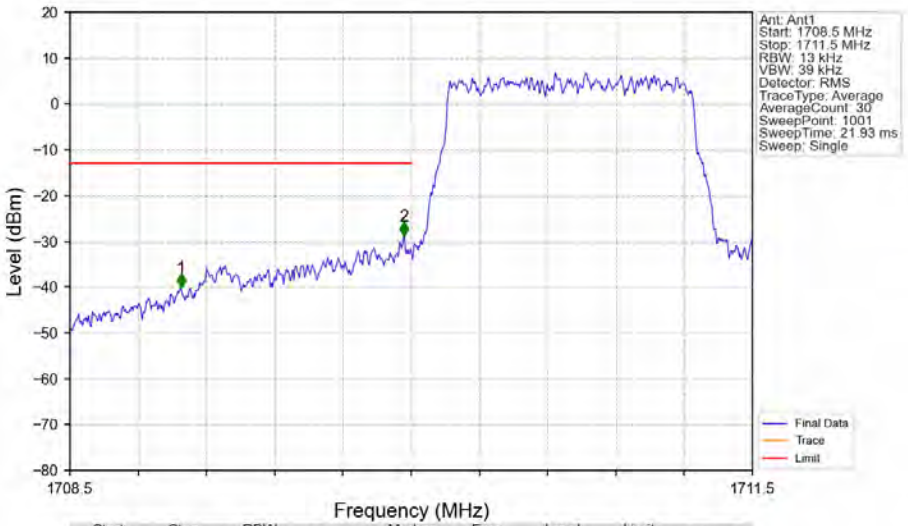
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

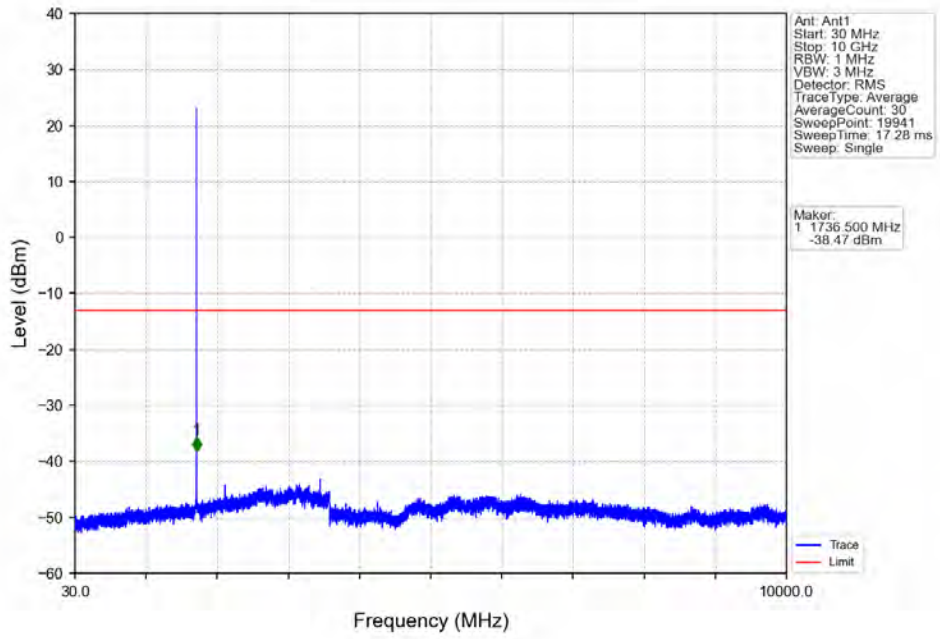


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

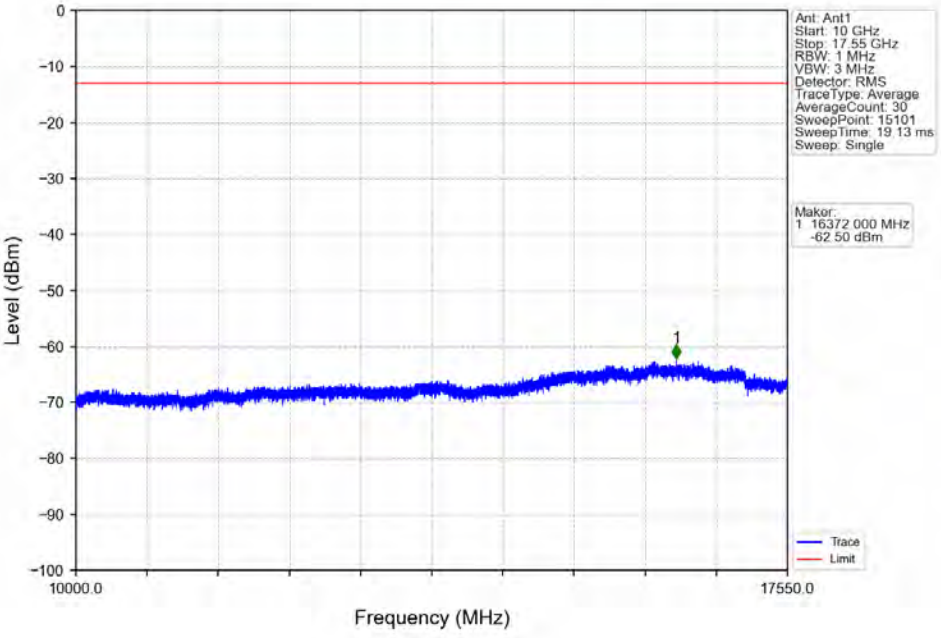


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.989	-40.09	-13	Pass
1709	1710	0.013	/	2	1709.967	-28.87	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

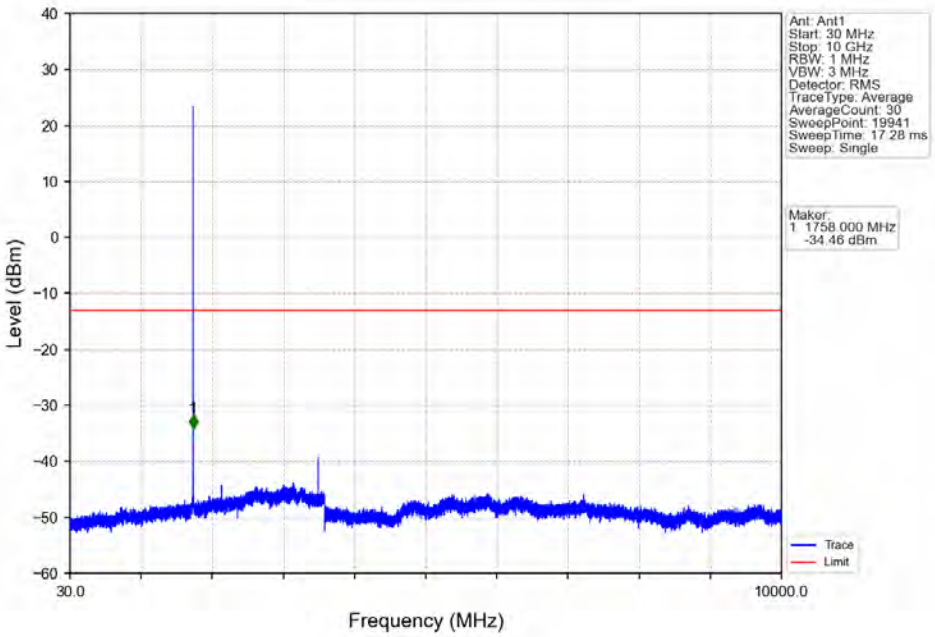
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



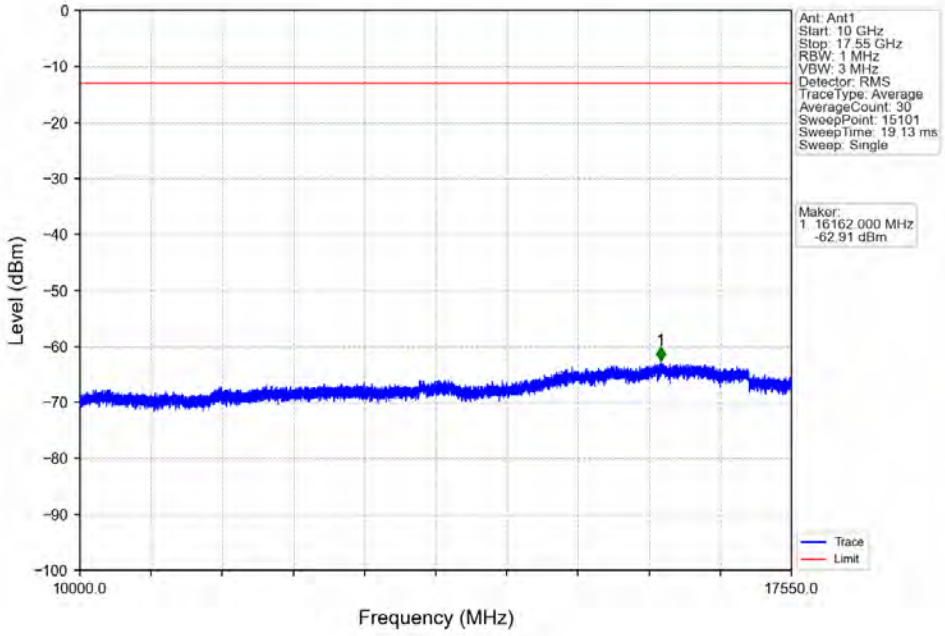
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



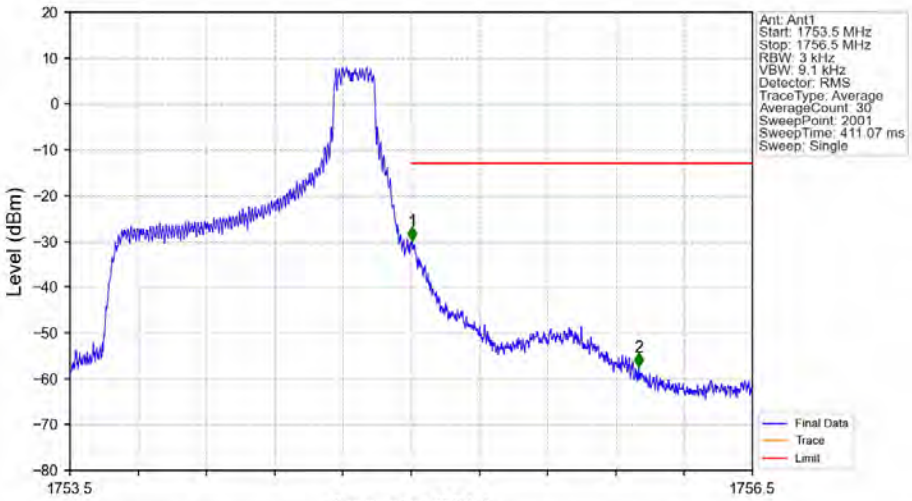
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

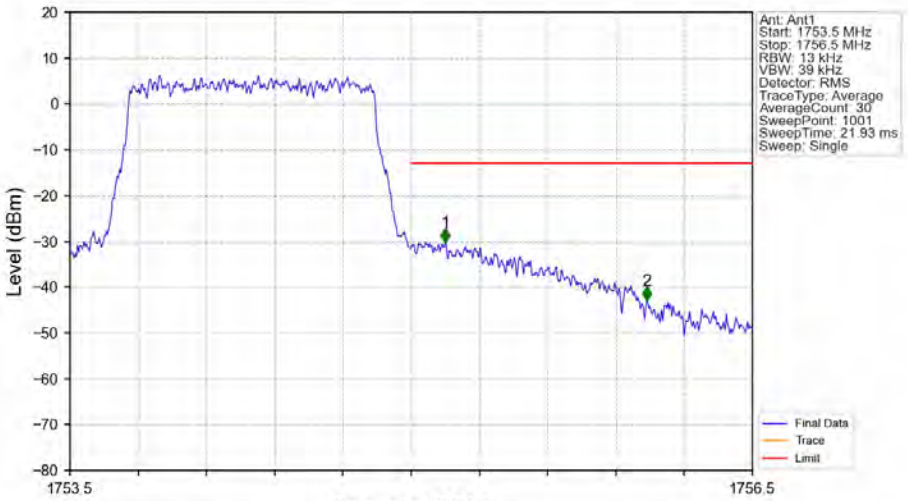


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



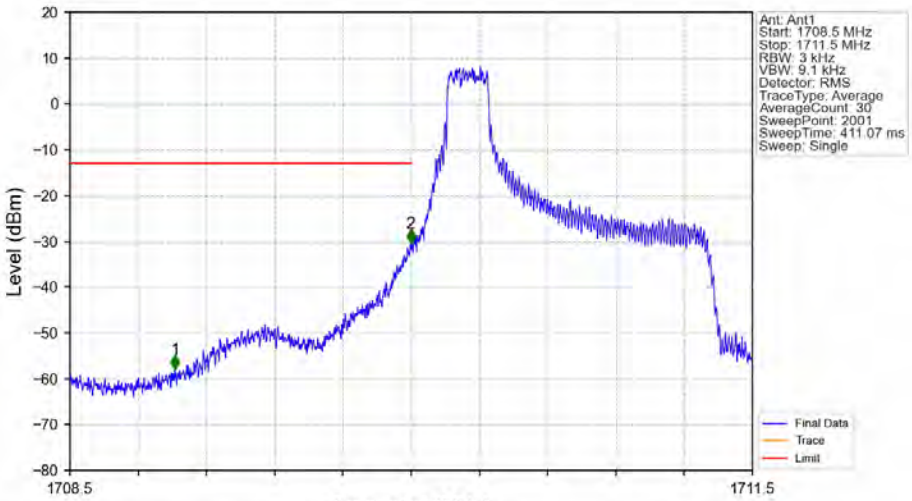
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.005	-29.96	-13	Pass
1756	1756.5	1	/	2	1756.001	-57.46	-13	Pass

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



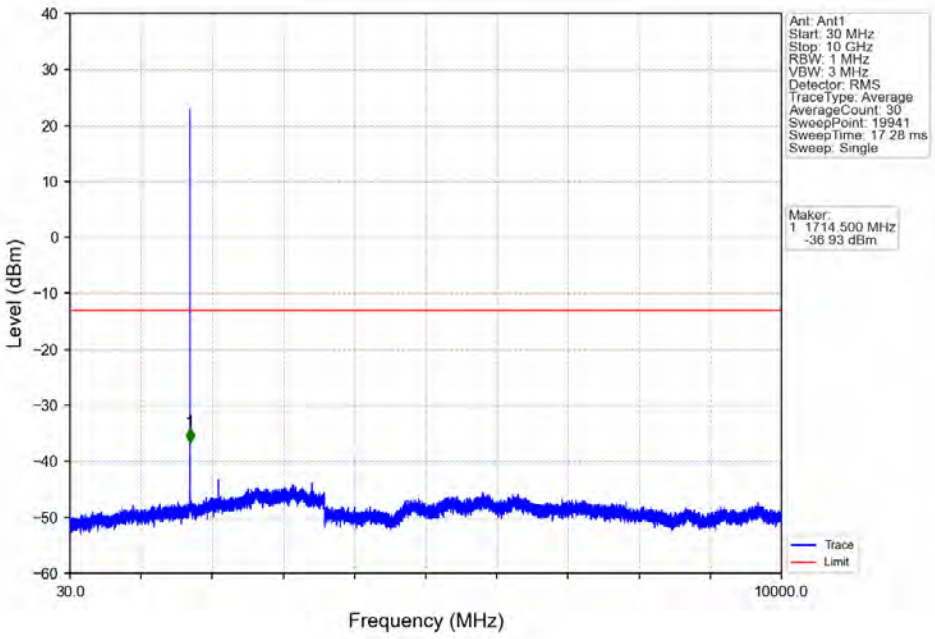
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	/	/	/	/	/
1755	1756	0.013	/	1	1755.150	-30.23	-13	Pass
1756	1756.5	1	/	2	1756.035	-42.95	-13	Pass

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

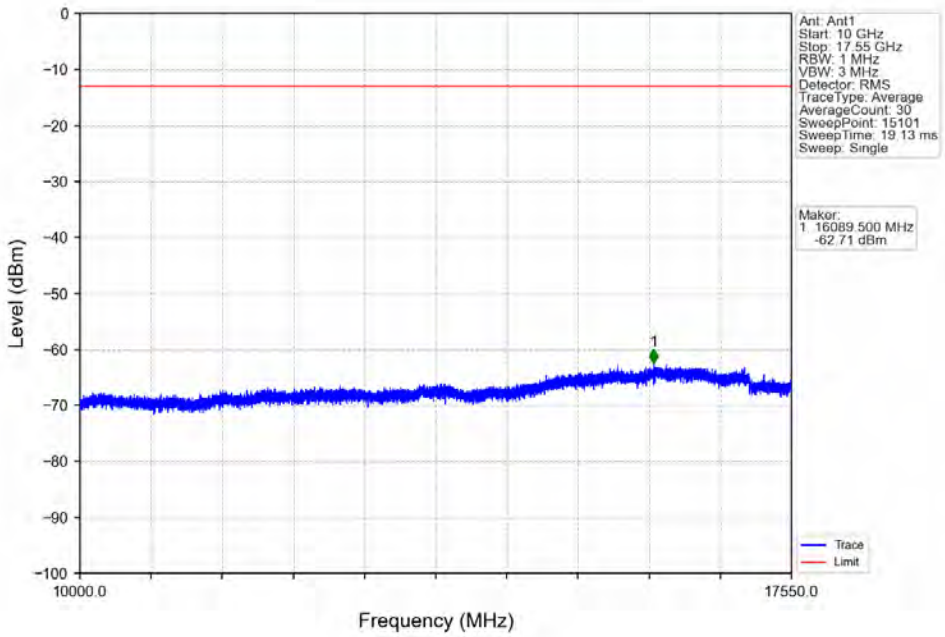


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.962	-58.02	-13	Pass
1709	1710	0.003	/	2	1709.998	-30.39	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

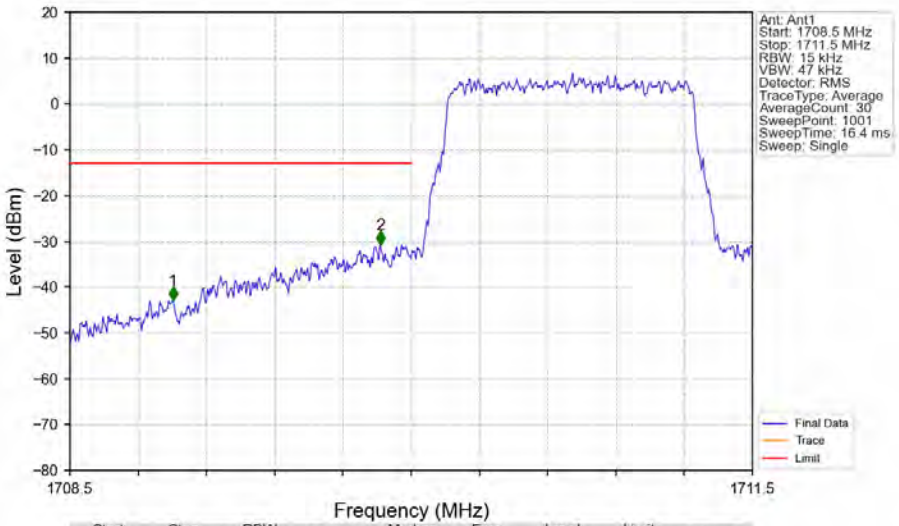
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

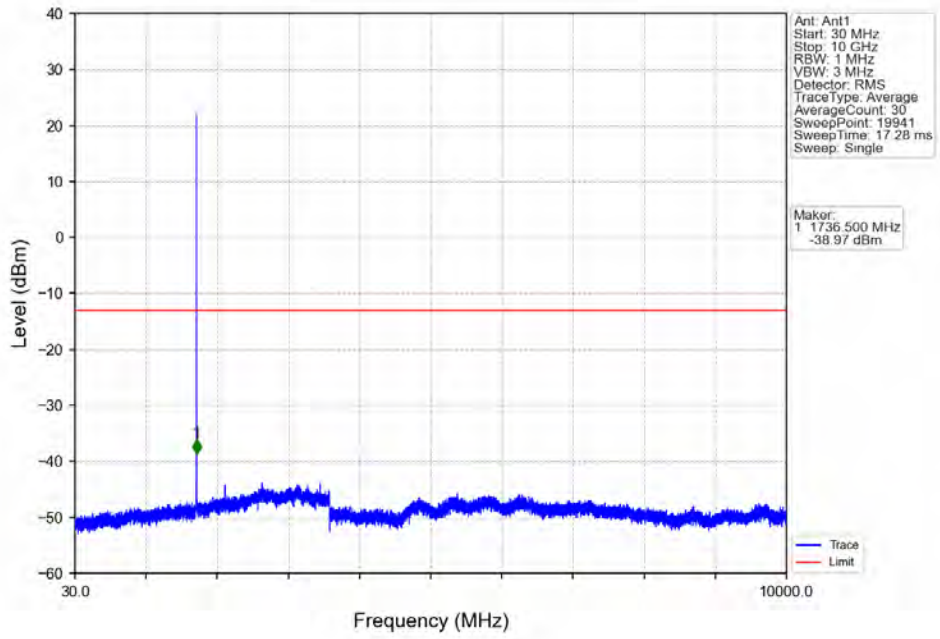


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

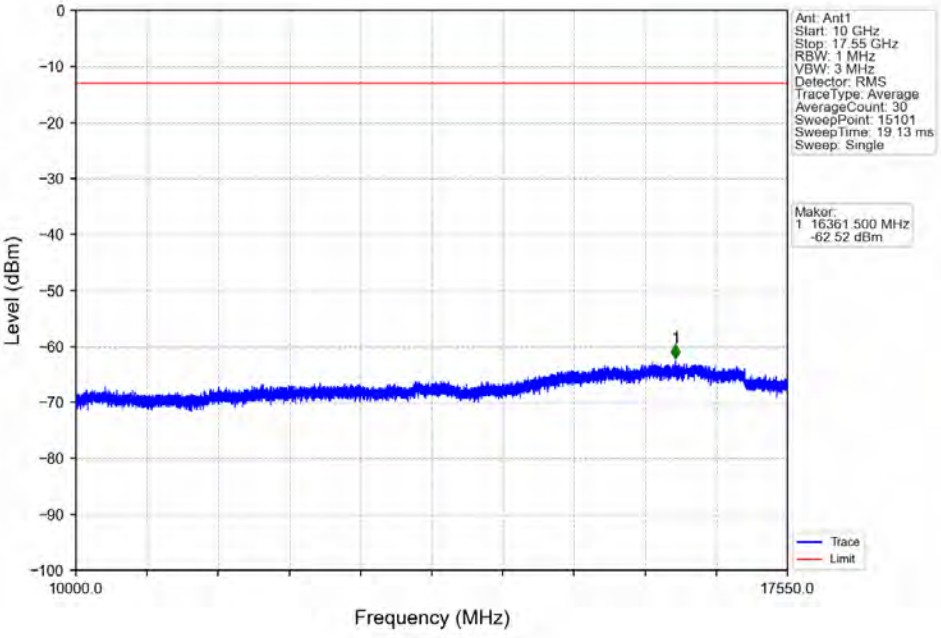


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.953	-43.00	-13	Pass
1709	1710	0.015	/	2	1709.865	-30.84	-13	Pass
1710	1711.5	0.015	/	/	/	/	/	/

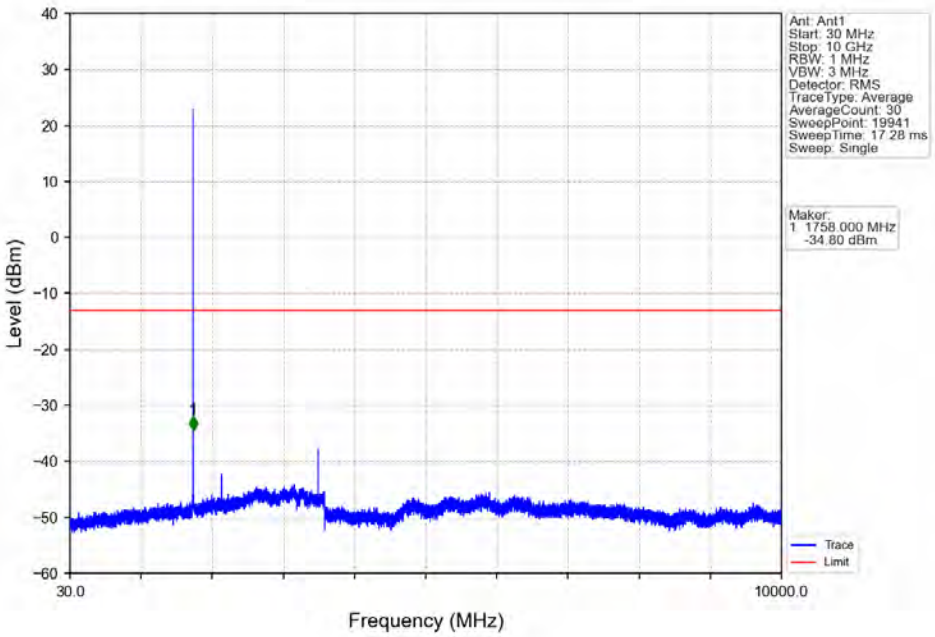
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



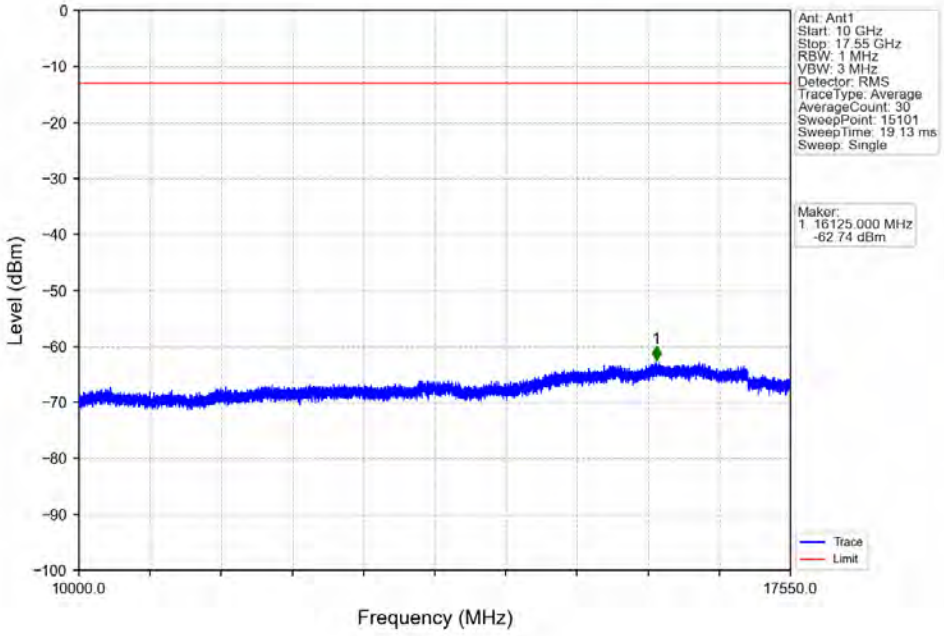
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



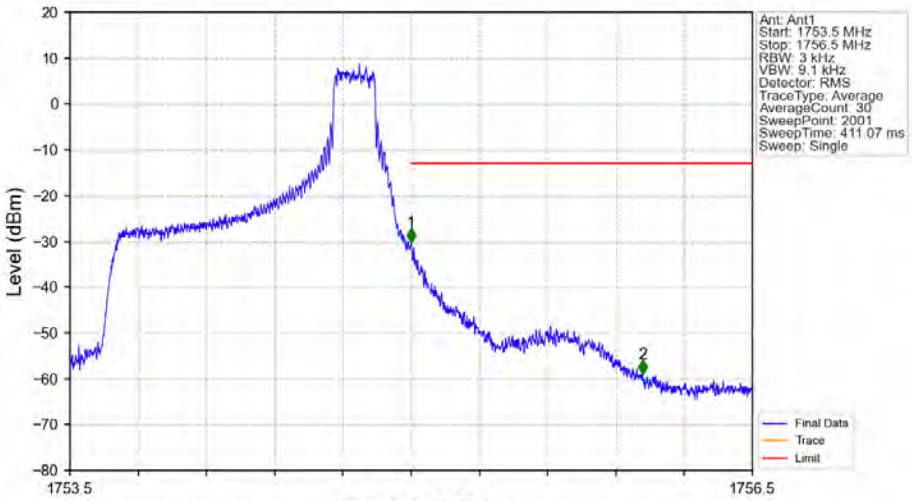
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

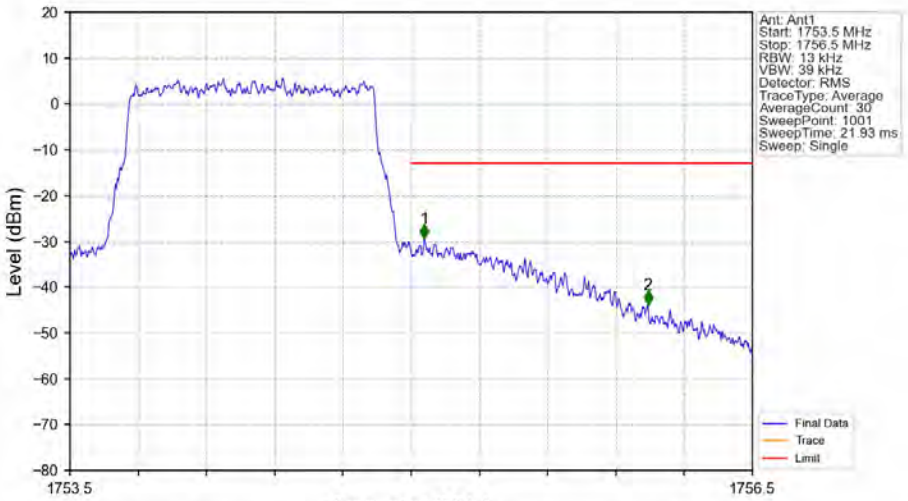


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



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	1755.000	-30.33	-13	Pass
1756	1756.5	1	/	2	1756.017	-59.07	-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	1755.057	-29.39	-13	Pass
1756	1756.5	1	/	2	1756.041	-43.85	-13	Pass

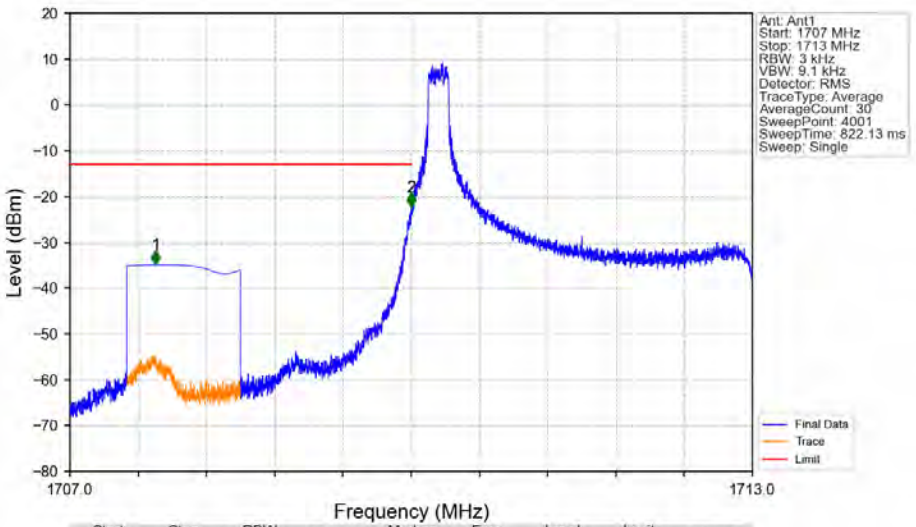
6.2 B4_3MHz

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

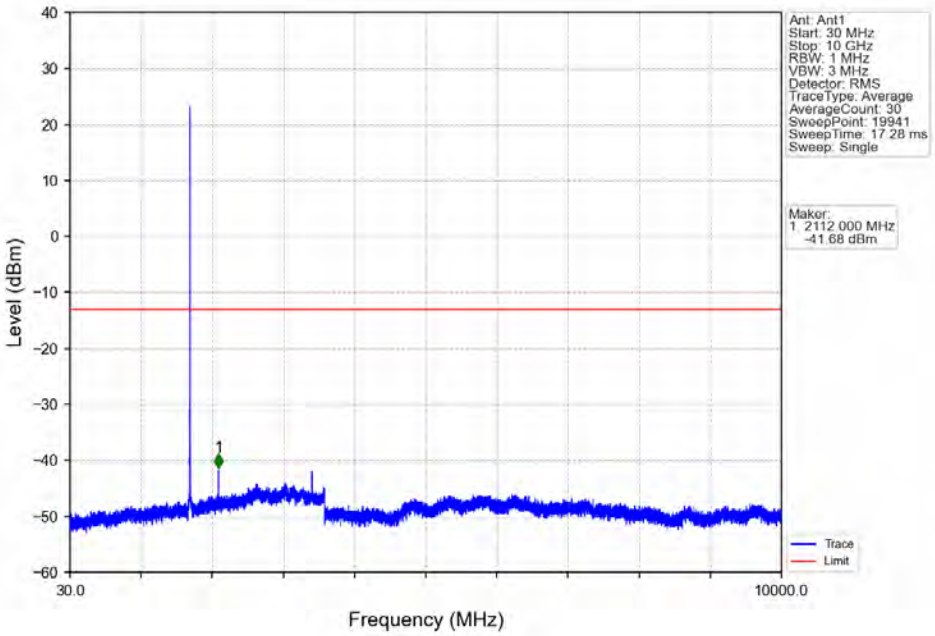
6.2.2 Test Graph

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

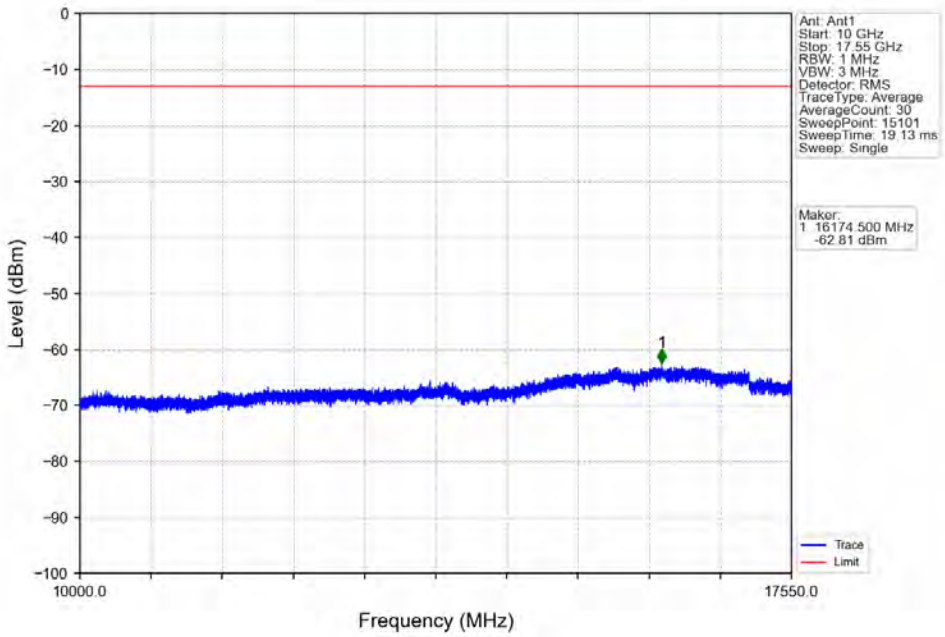


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1707.755	-34.93	-13	Pass
1709	1710	0.003	/	2	1710.000	-22.32	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

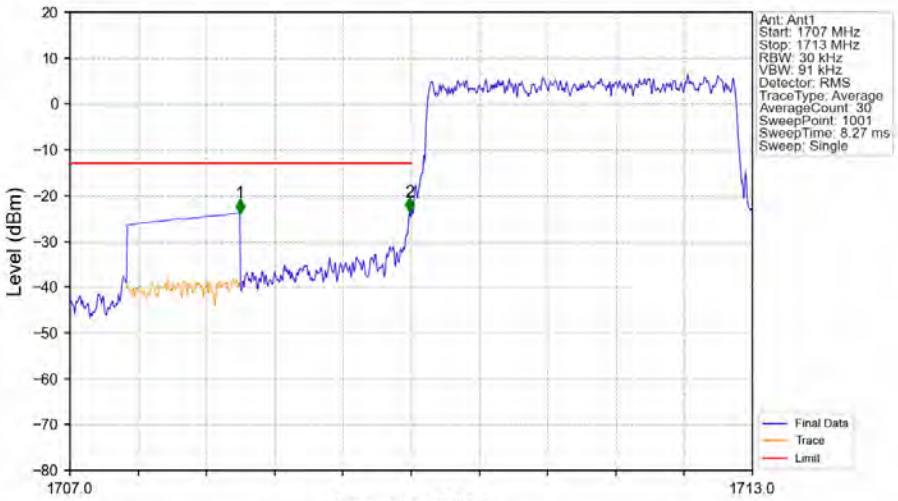
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

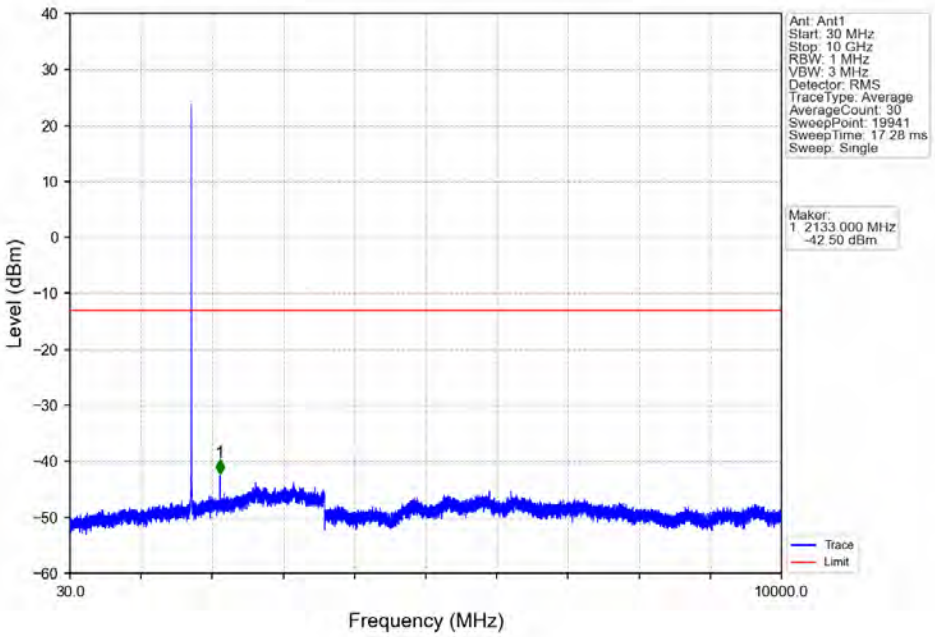


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

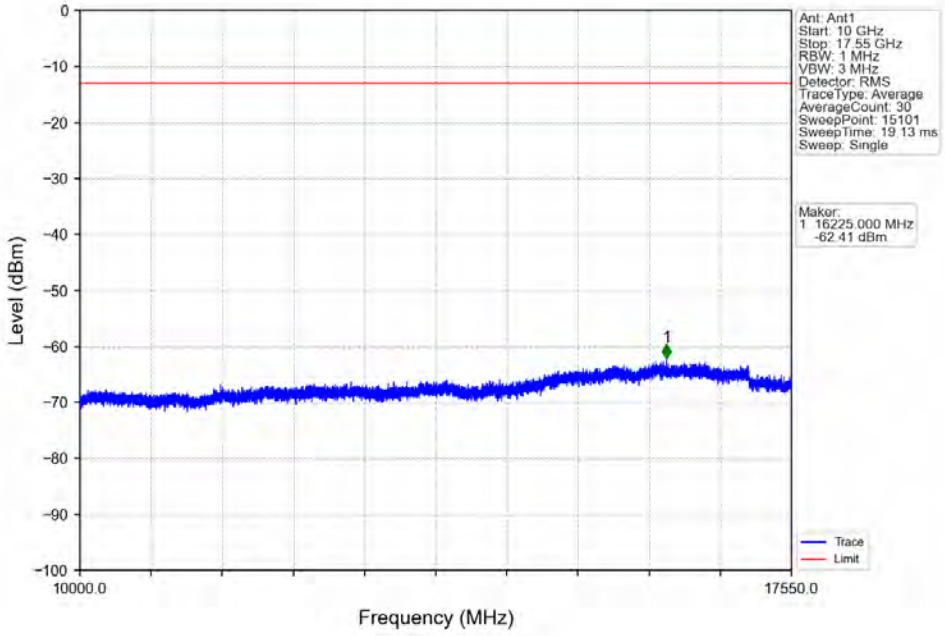


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-23.82	-13	Pass
1709	1710	0.03	/	2	1709.988	-23.63	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

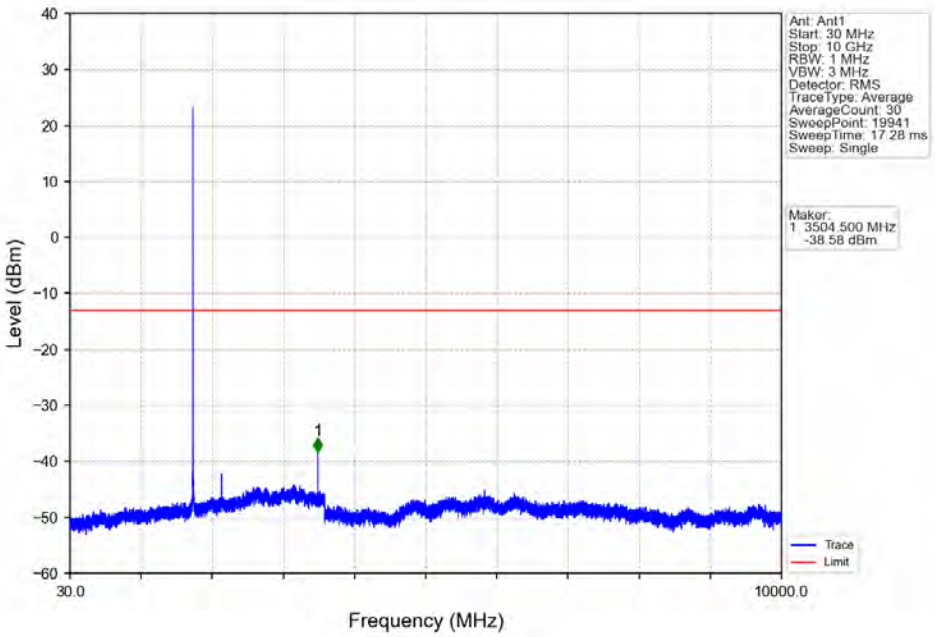
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



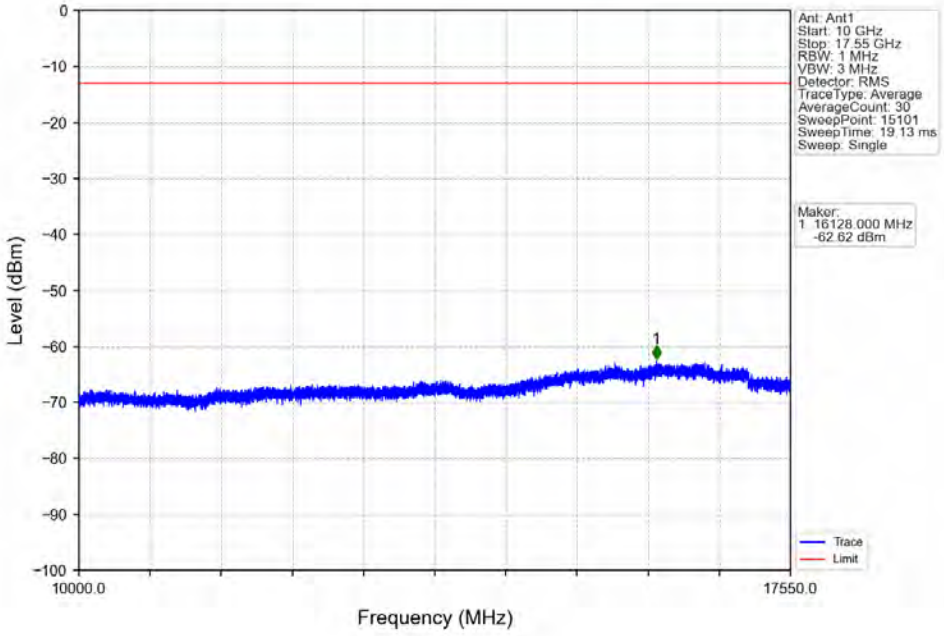
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



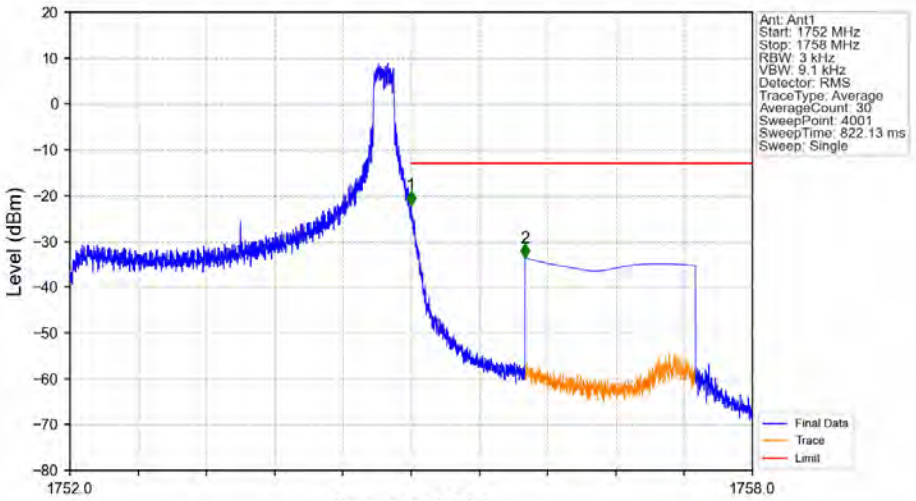
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

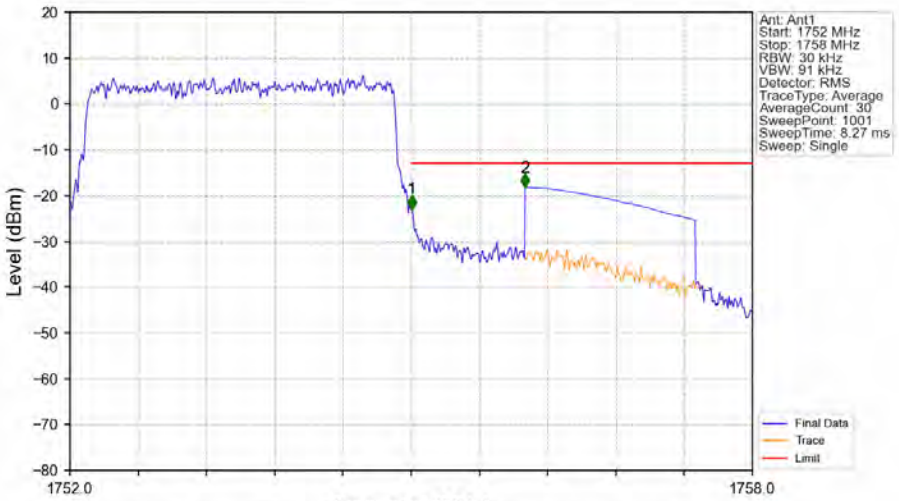


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



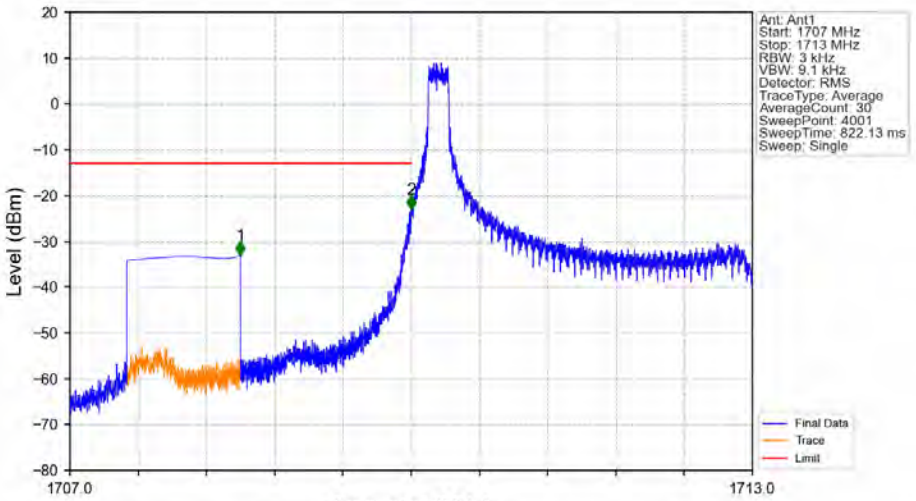
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-22.07	-13	Pass
1756	1758	1	CHP	2	1756.001	-33.61	-13	Pass

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



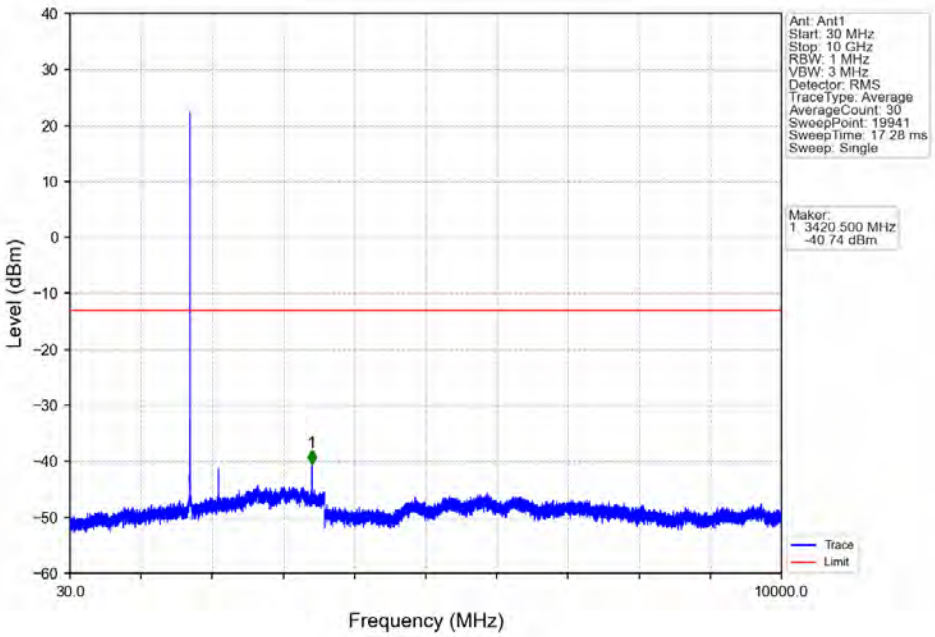
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.03	/	/	/	/	/	/
1755	1756	0.03	/	1	1755.006	-22.97	-13	Pass
1756	1758	1	CHP	2	1756.002	-18.23	-13	Pass

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

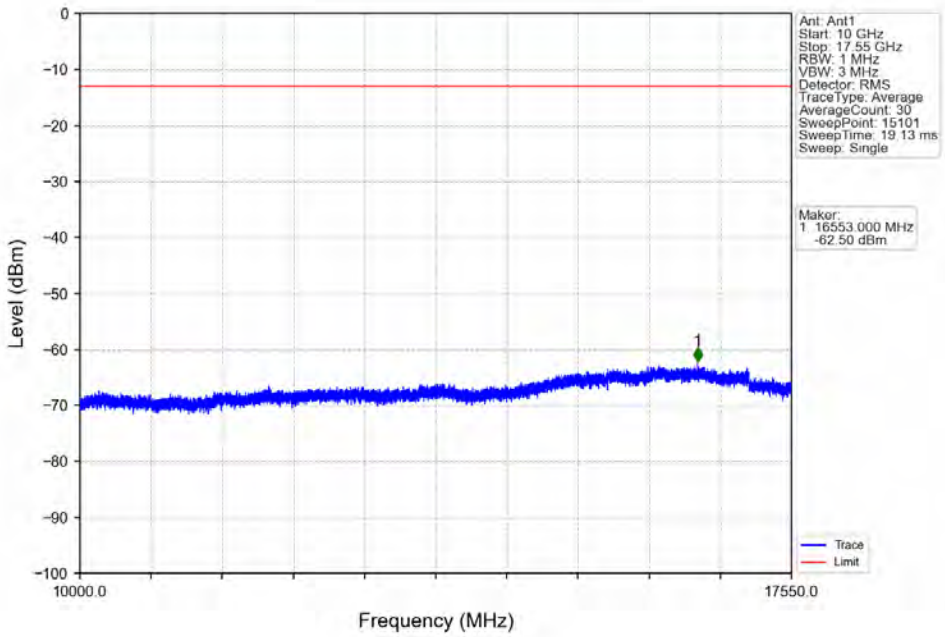


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-33.12	-13	Pass
1709	1710	0.003	/	2	1710.000	-23.09	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

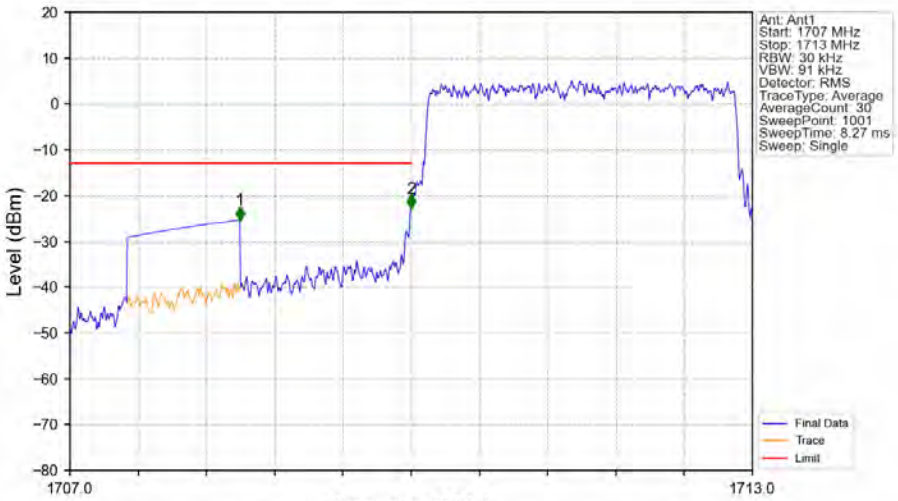
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

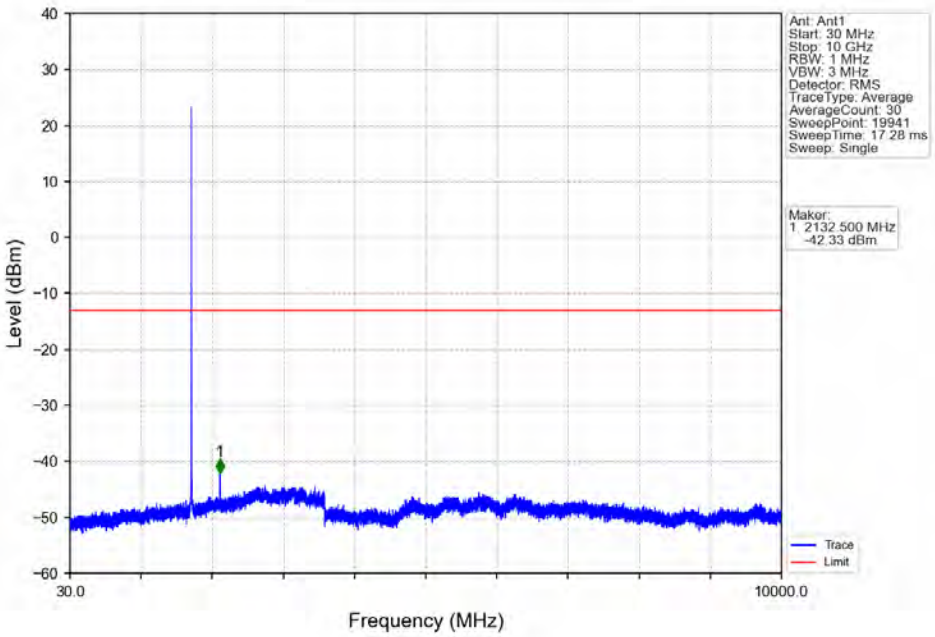


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

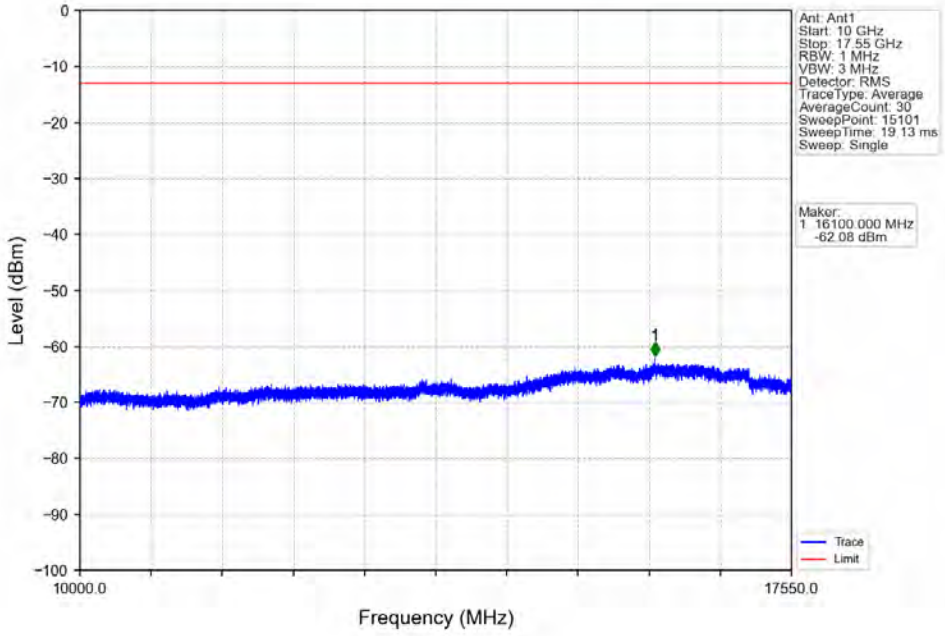


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-25.41	-13	Pass
1709	1710	0.03	/	2	1710.000	-22.82	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

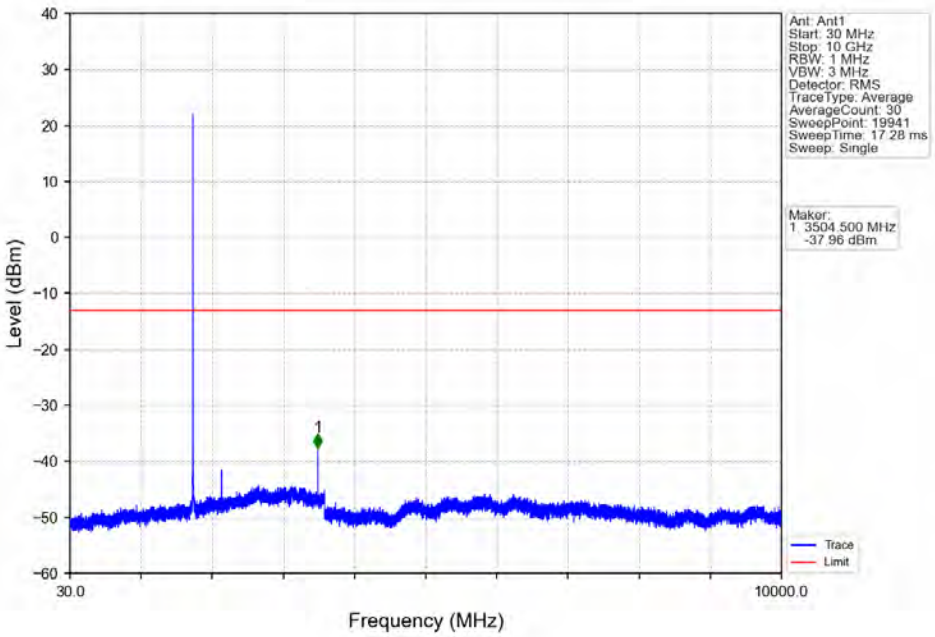
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



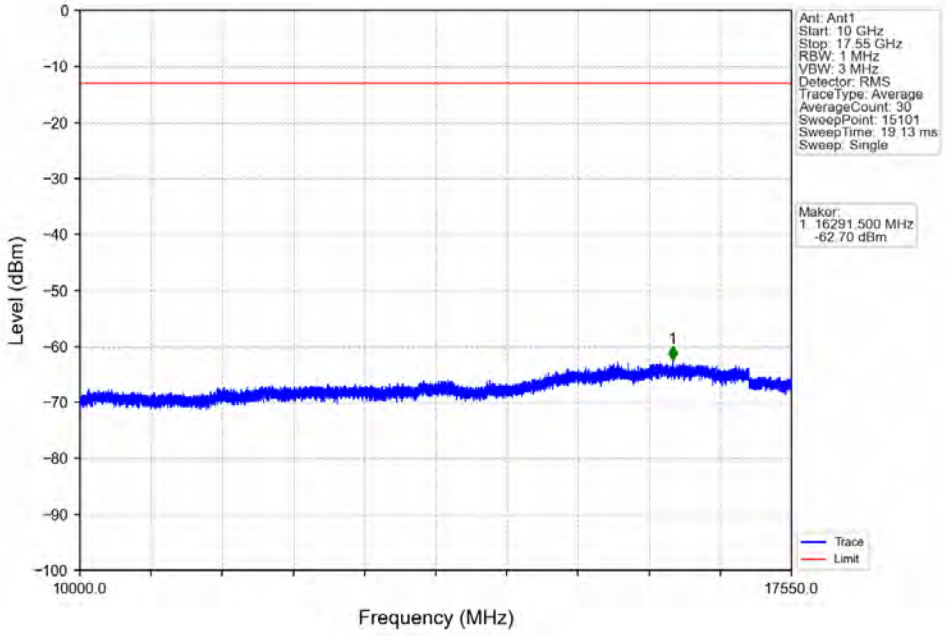
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



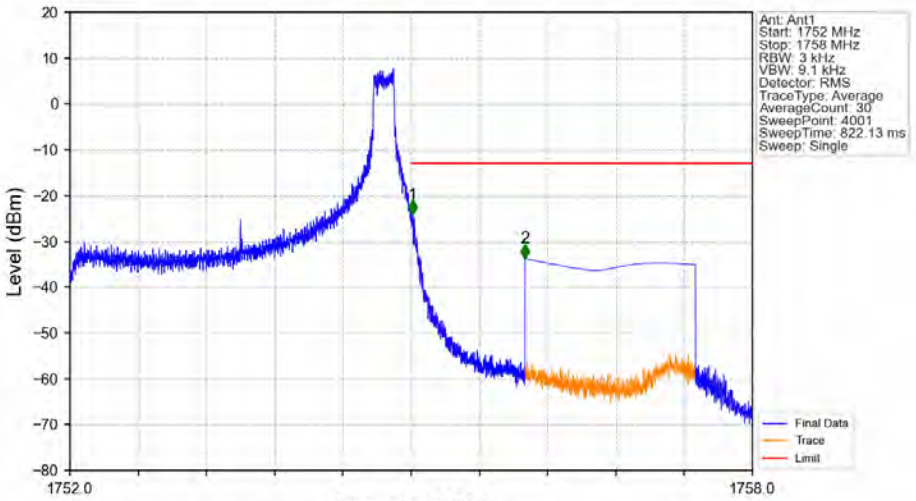
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV

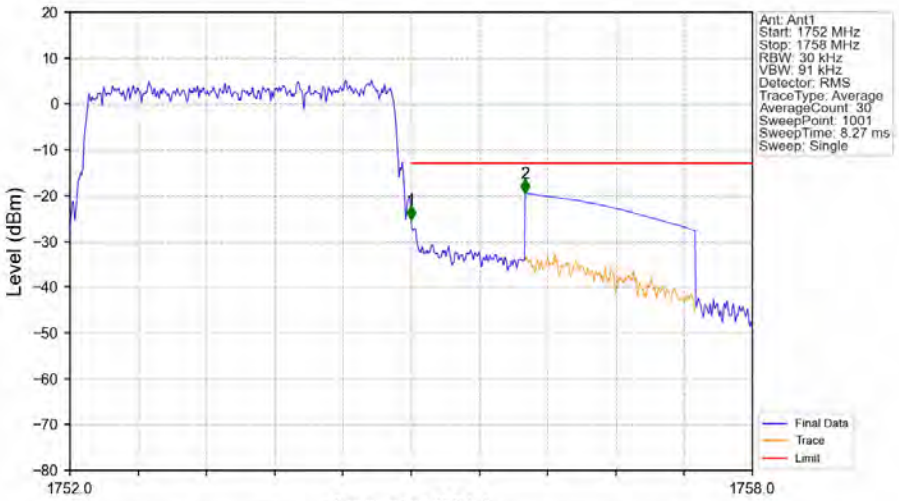


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTNV



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	1755.012	-24.08	-13	Pass
1756	1758	1	CHP	2	1756.001	-33.73	-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	0.03	/	/	/	/	/	/
1755	1756	0.03	/	1	1755.000	-25.30	-13	Pass
1756	1758	1	CHP	2	1756.002	-19.50	-13	Pass

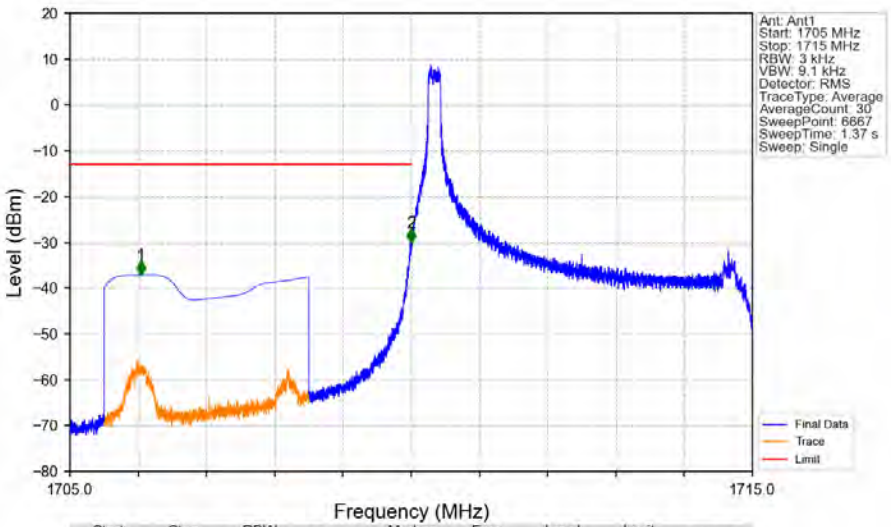
6.3 B4_5MHz

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

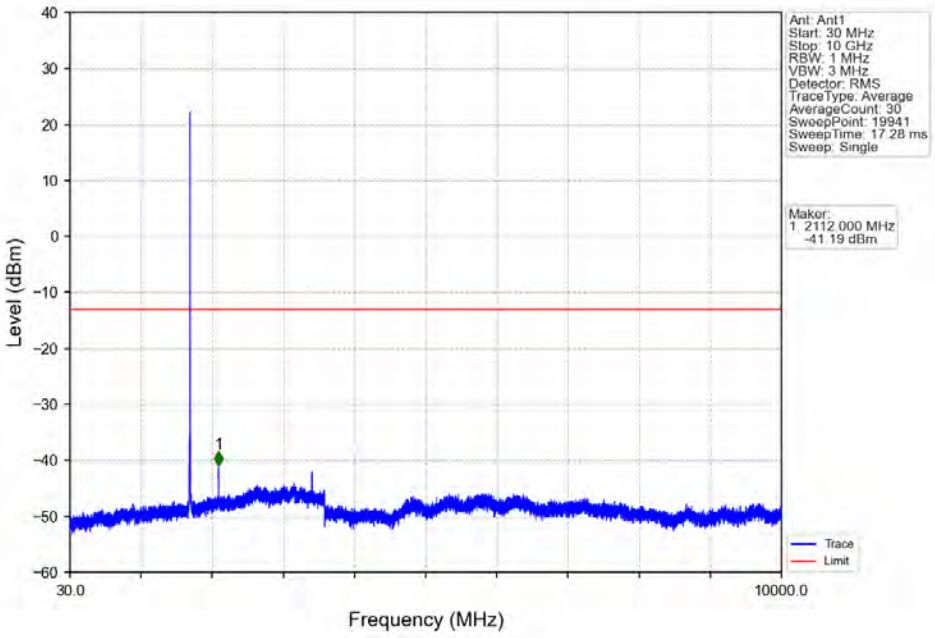
6.3.2 Test Graph

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

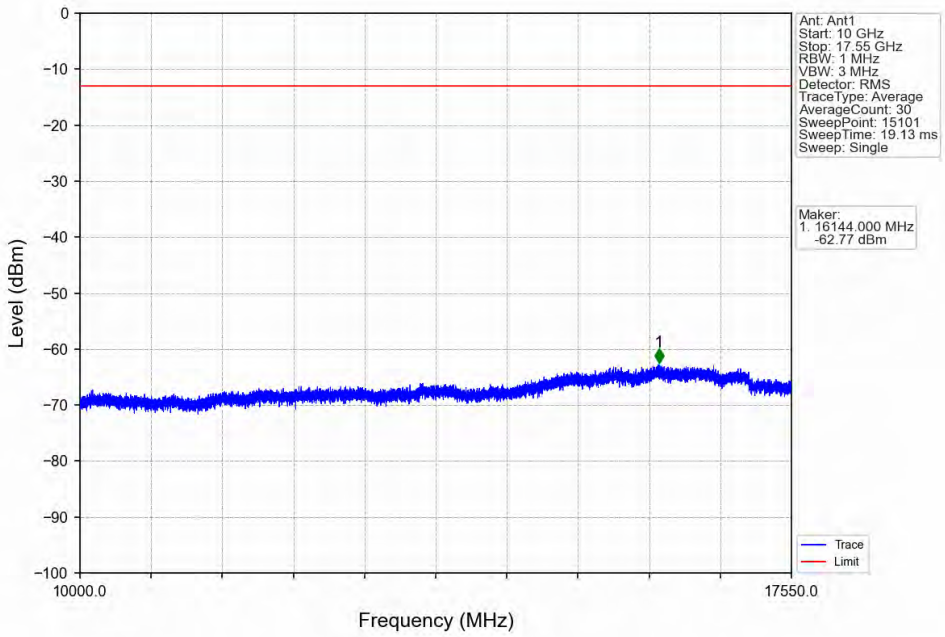


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1706.037	-37.14	-13	Pass
1709	1710	0.003	/	2	1709.998	-30.10	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

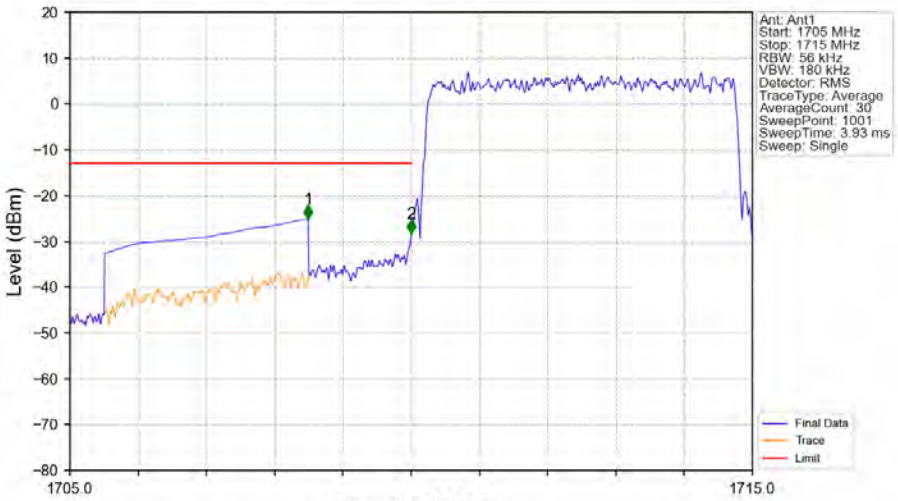
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

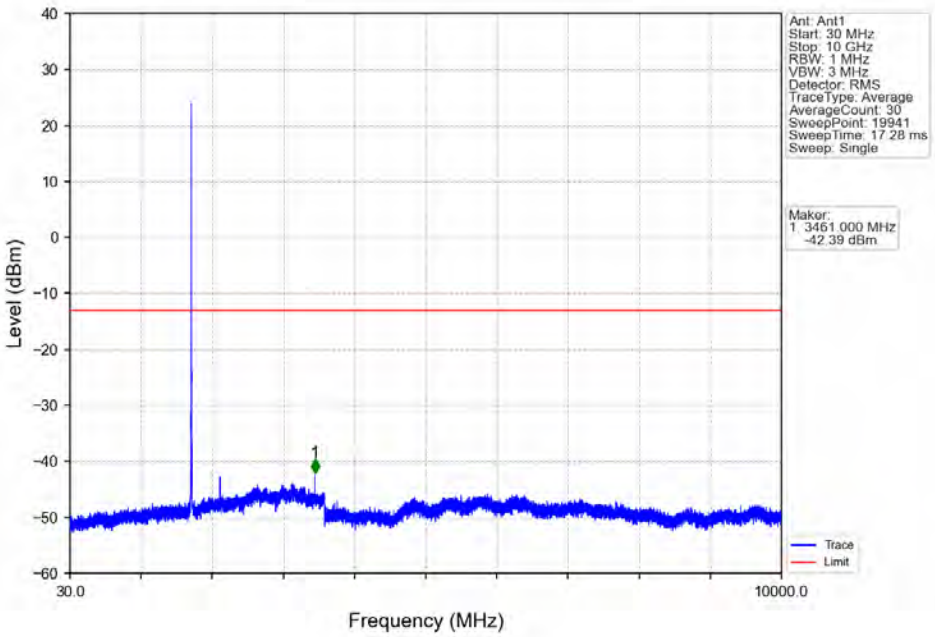


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

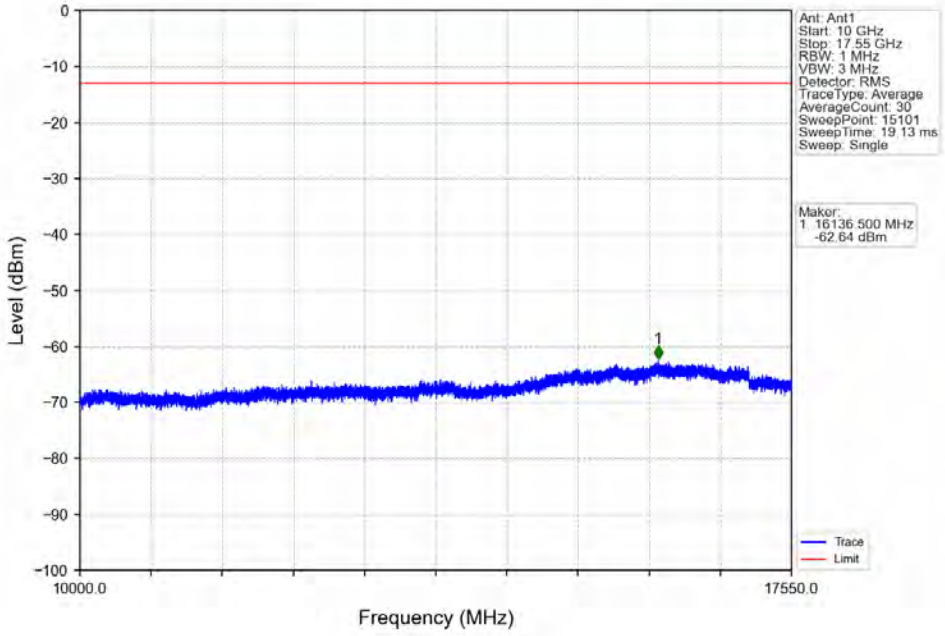


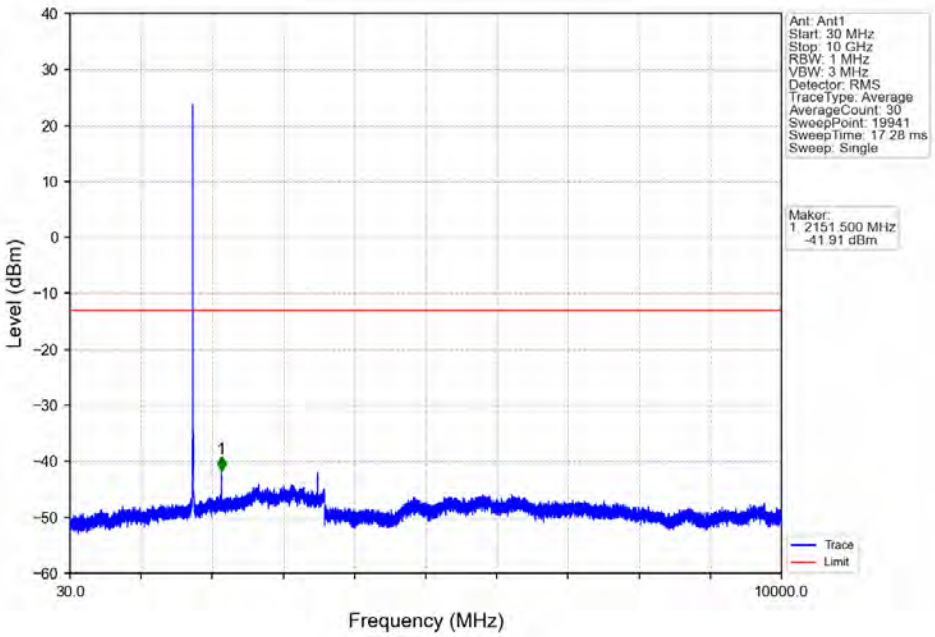
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-25.12	-13	Pass
1709	1710	0.056	/	2	1710.000	-28.28	-13	Pass
1710	1715	0.056	/	/	/	/	/	/

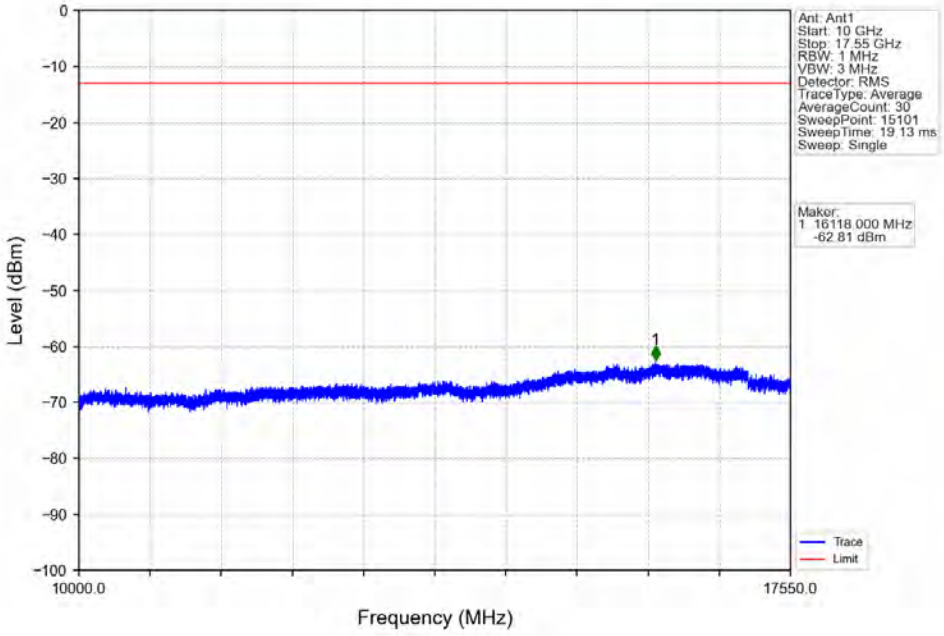
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



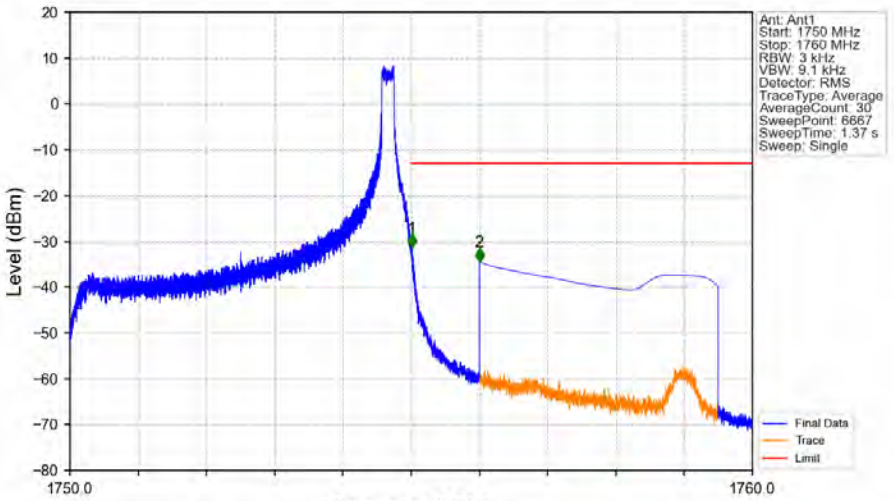
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV


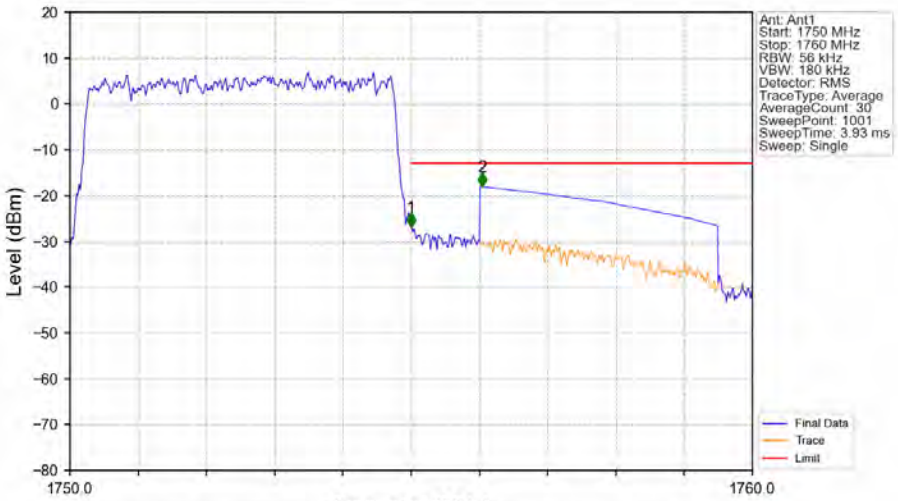
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



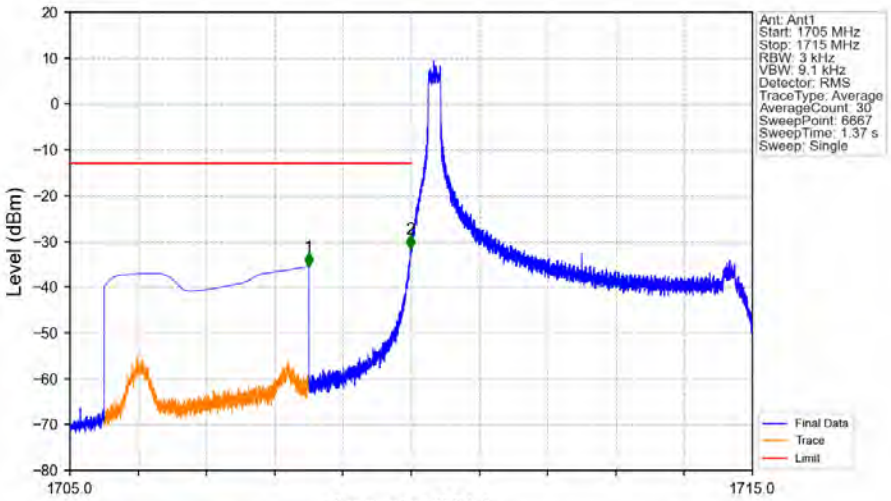
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.012	-31.47	-13	Pass
1756	1760	1	CHP	2	1756.001	-34.46	-13	Pass

Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



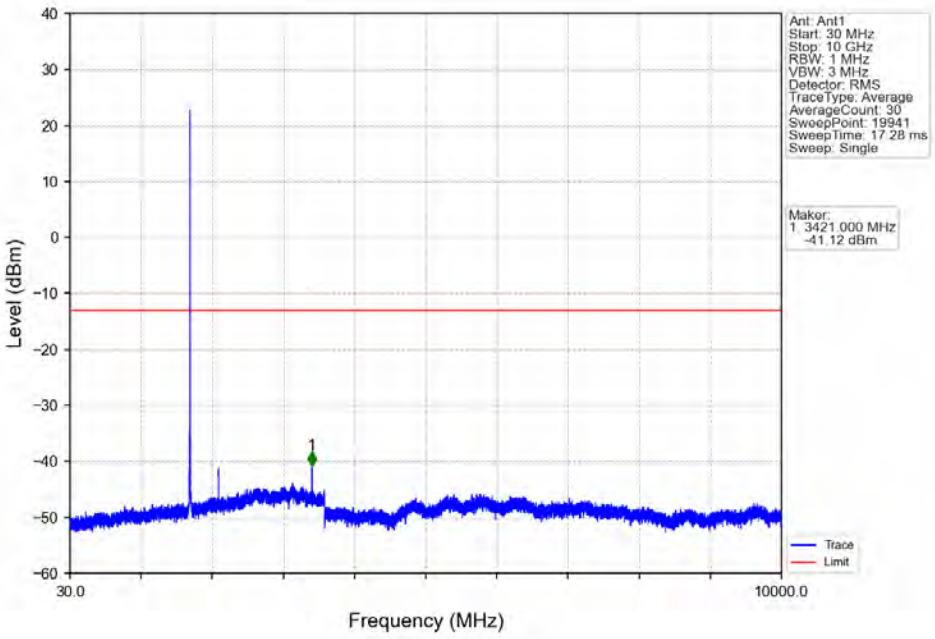
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.056	/	/	/	/	/	/
1755	1756	0.056	/	1	1755.000	-26.90	-13	Pass
1756	1760	1	CHP	2	1756.040	-18.12	-13	Pass

Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

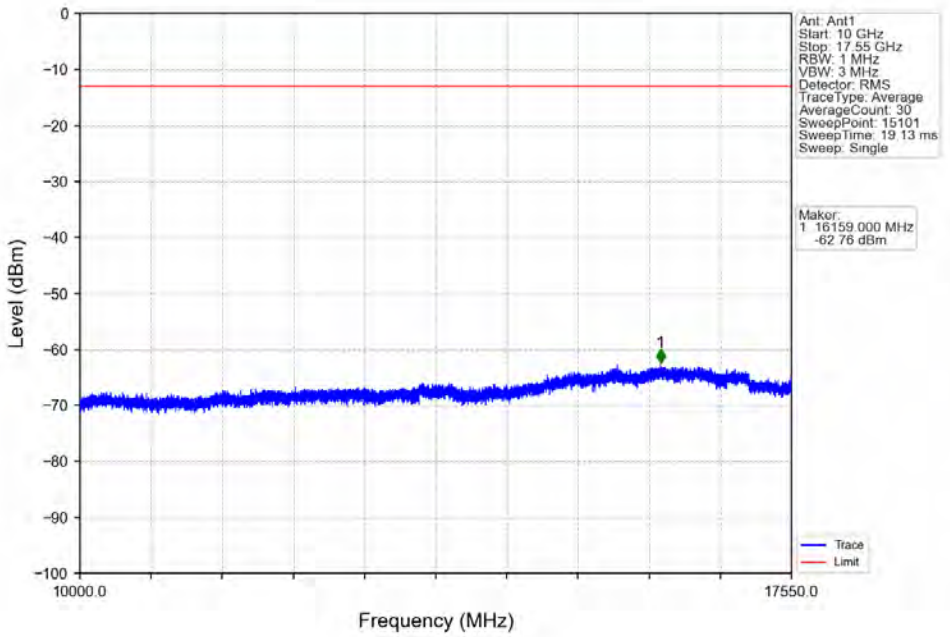


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.497	-35.50	-13	Pass
1709	1710	0.003	/	2	1709.992	-31.65	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

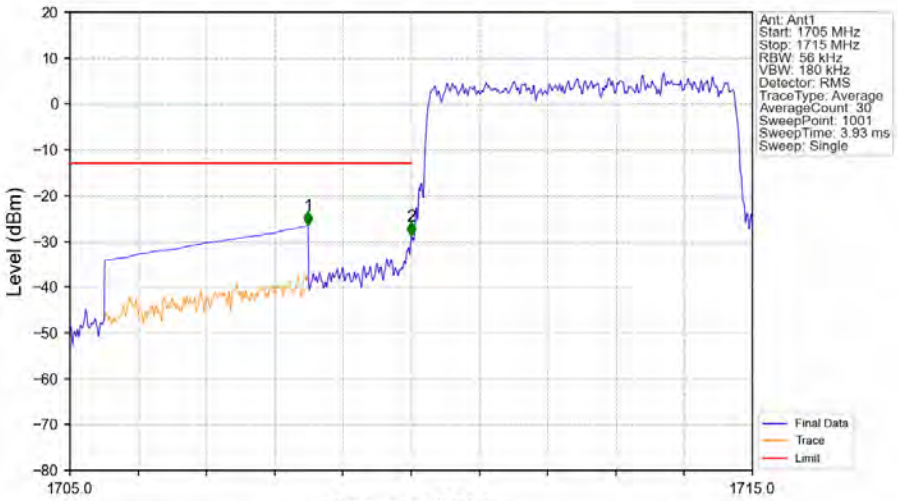
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

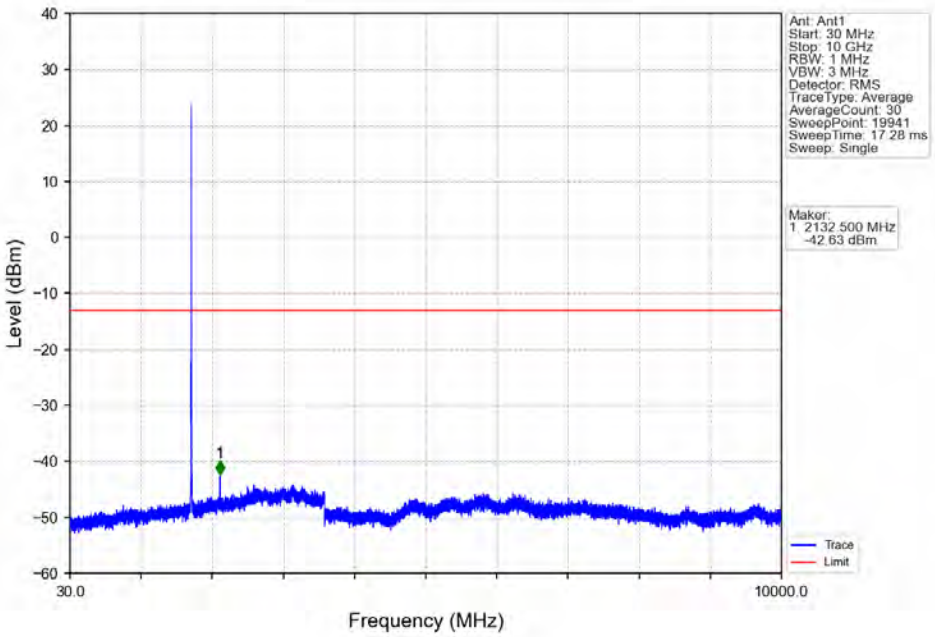


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

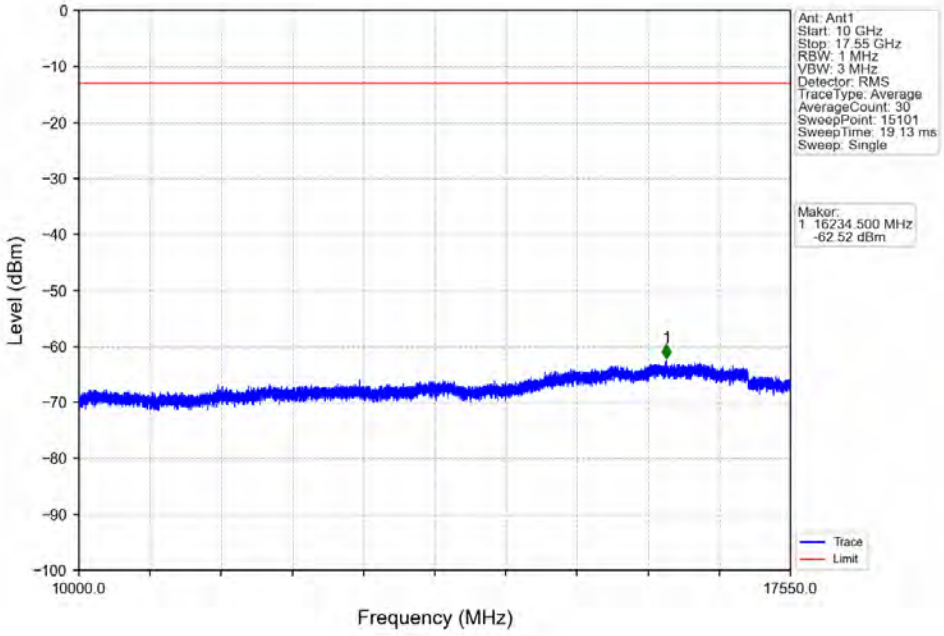


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-26.53	-13	Pass
1709	1710	0.056	/	2	1710.000	-28.82	-13	Pass
1710	1715	0.056	/	/	/	/	/	/

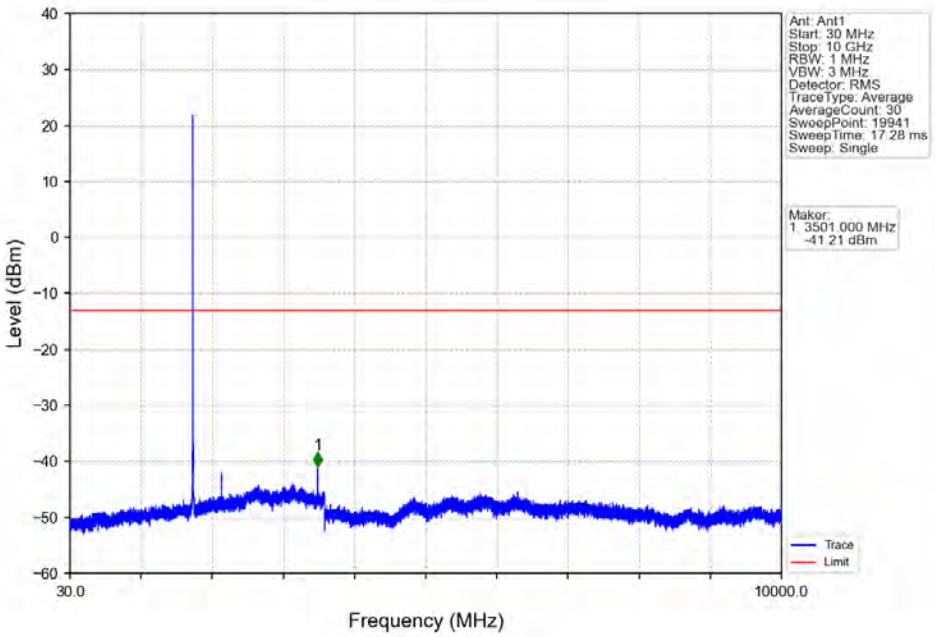
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



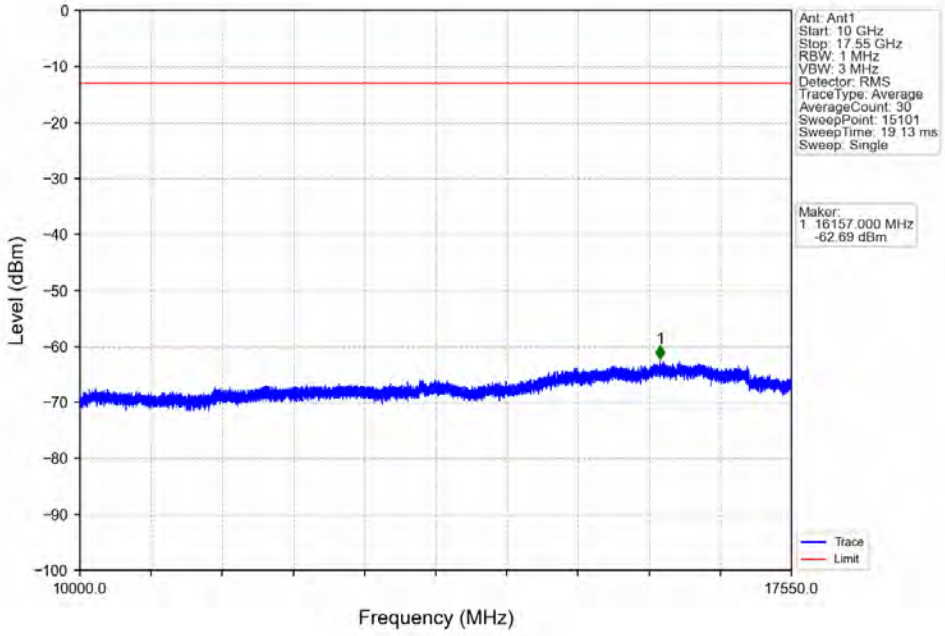
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



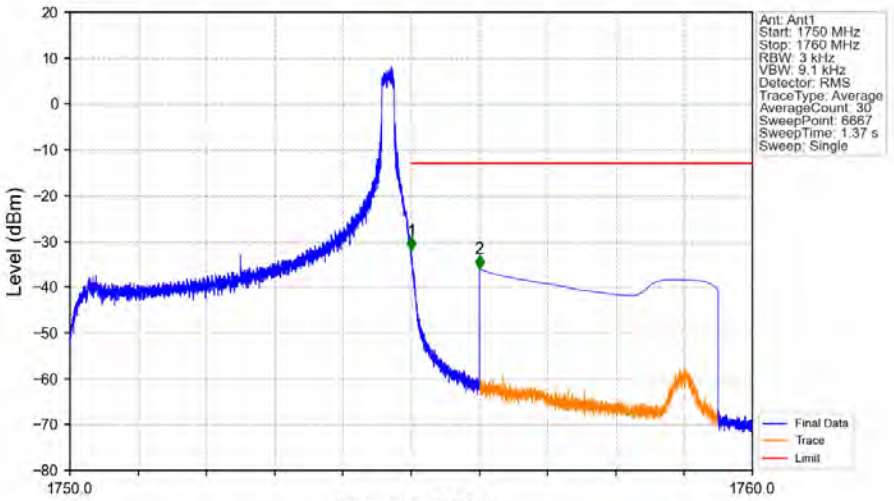
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV

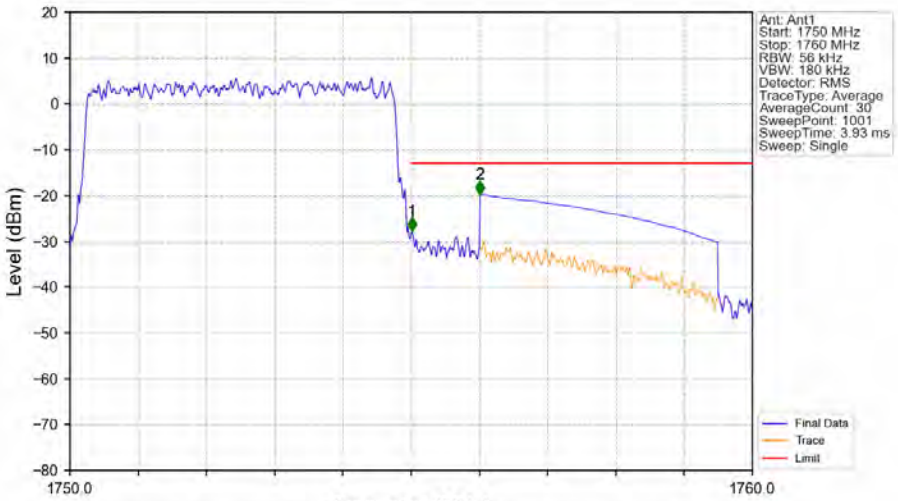


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-32.08	-13	Pass
1756	1760	1	CHP	2	1756.001	-36.01	-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	1755.010	-27.87	-13	Pass
1756	1760	1	CHP	2	1756.010	-19.80	-13	Pass

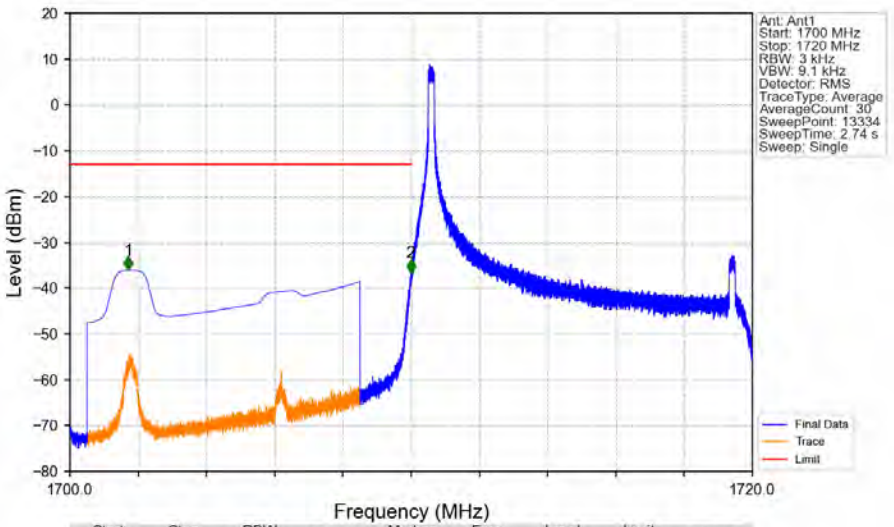
6.4 B4_10MHz

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

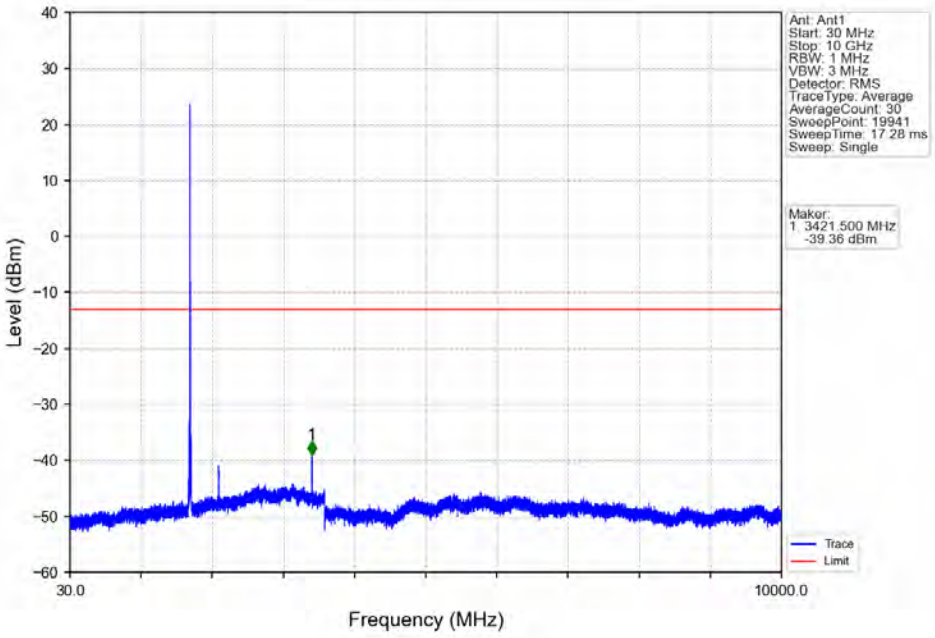
6.4.2 Test Graph

Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

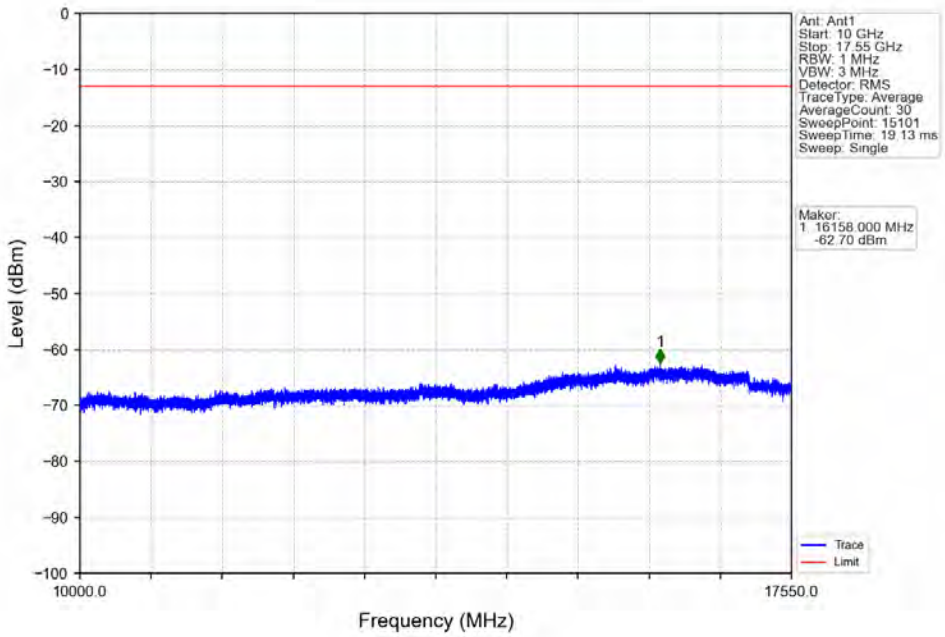


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1701.713	-36.14	-13	Pass
1709	1710	0.003	/	2	1709.989	-36.73	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

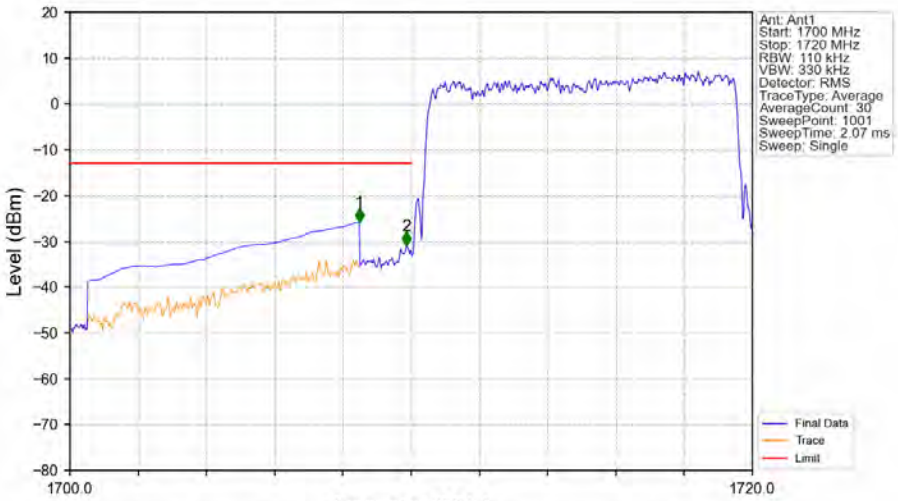
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

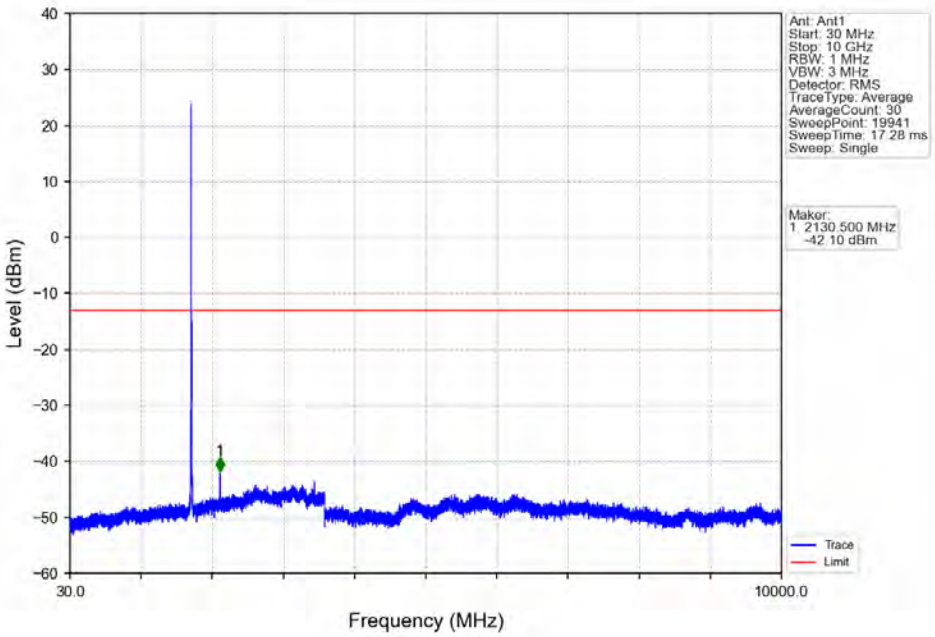


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

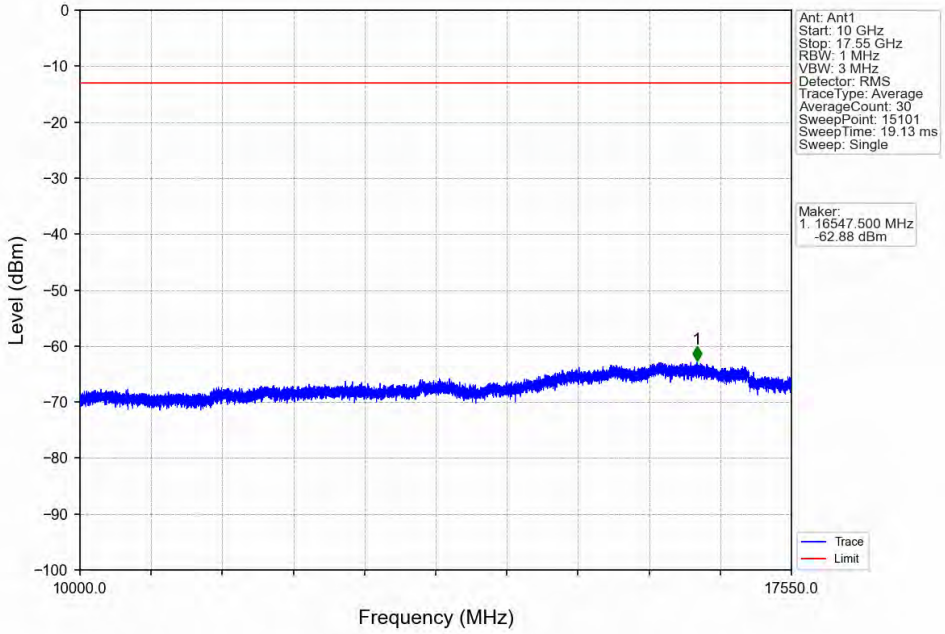


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-25.81	-13	Pass
1709	1710	0.11	/	2	1709.860	-30.92	-13	Pass
1710	1720	0.11	/	/	/	/	/	/

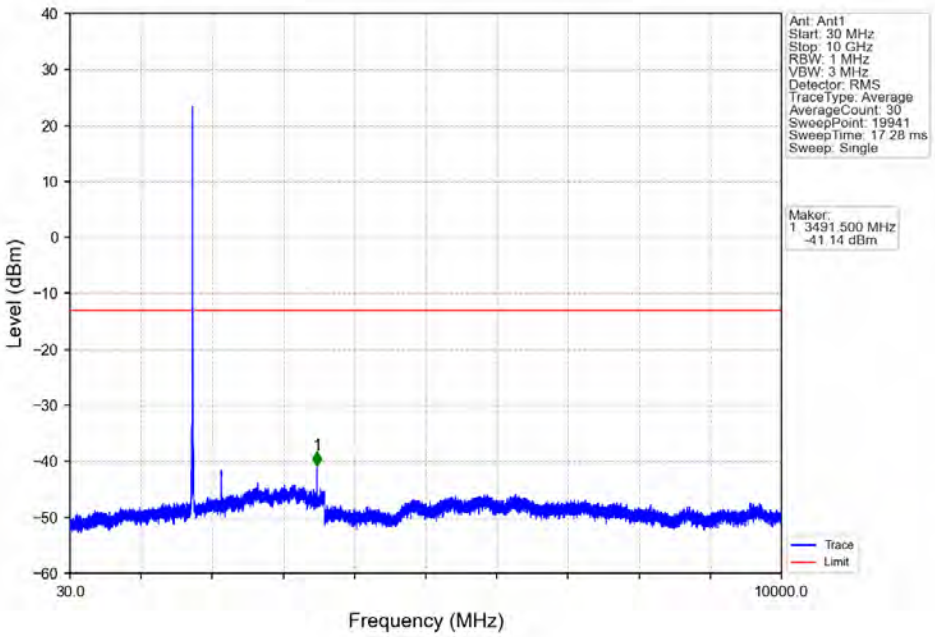
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



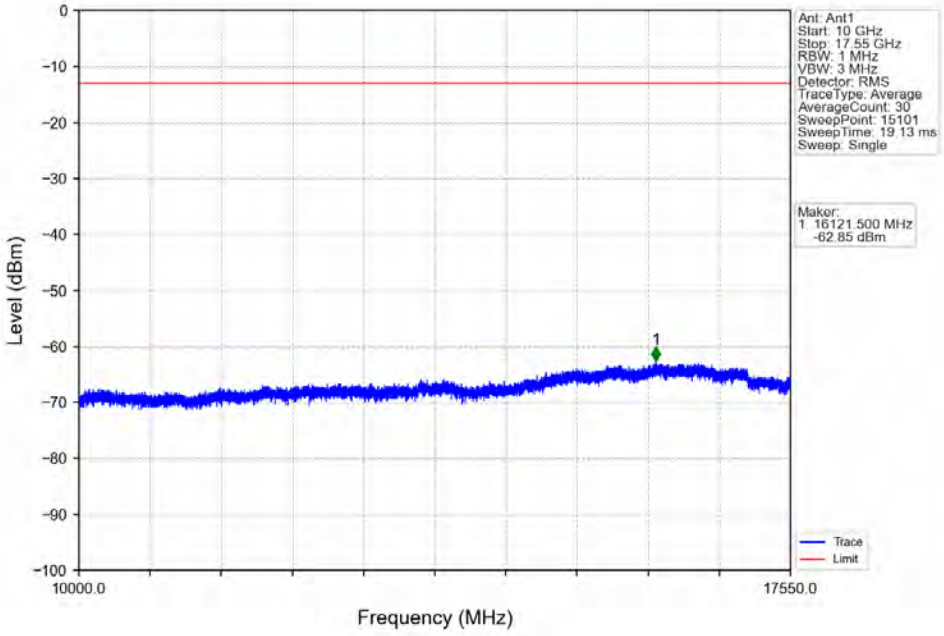
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



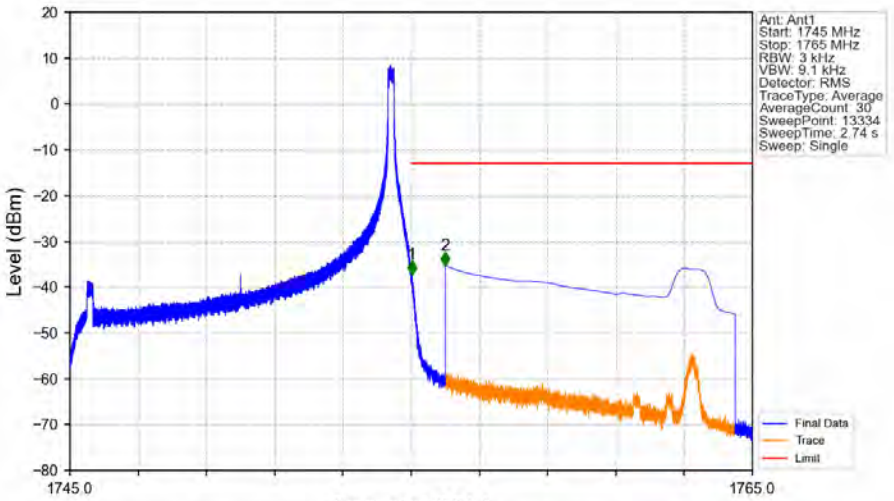
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV

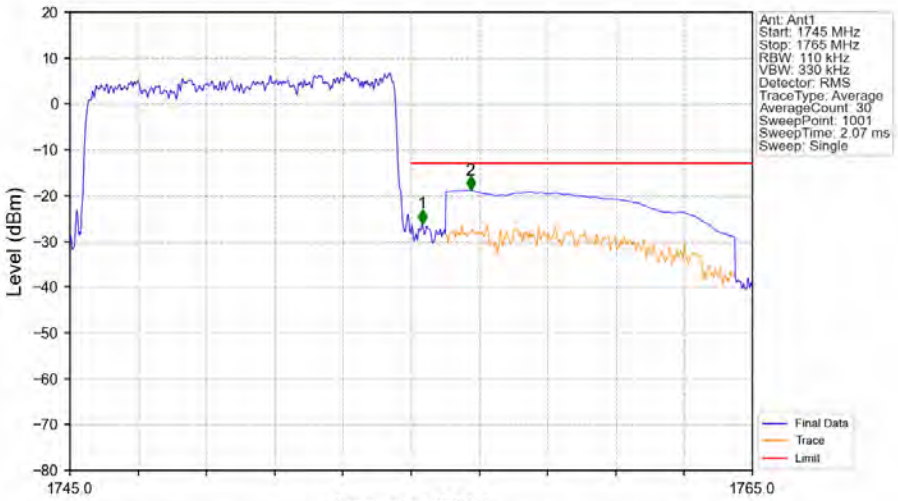


Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



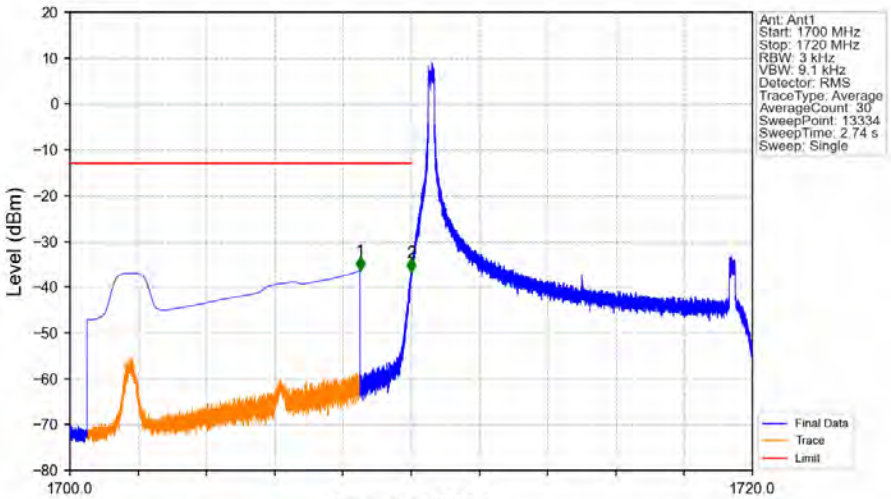
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.013	-37.25	-13	Pass
1756	1765	1	CHP	2	1756.001	-35.30	-13	Pass

Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



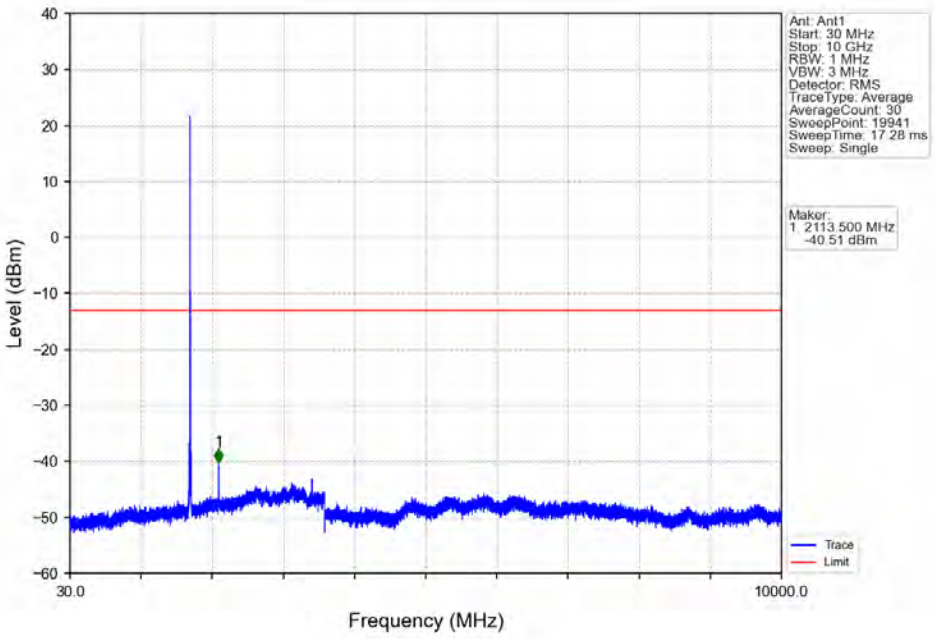
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.11	/	/	/	/	/	/
1755	1756	0.11	/	1	1755.320	-26.13	-13	Pass
1756	1765	1	CHP	2	1756.740	-18.86	-13	Pass

Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

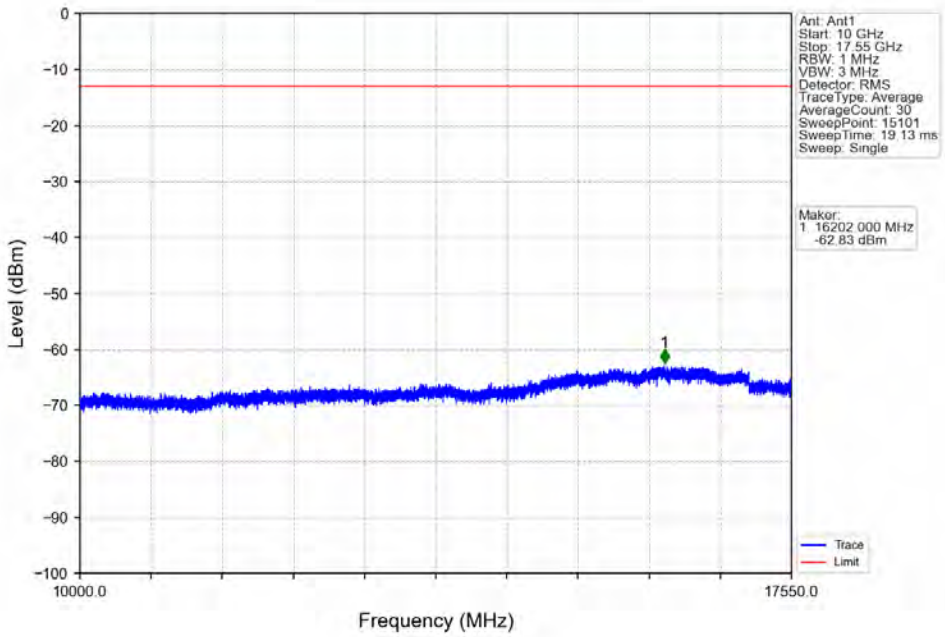


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.499	-36.42	-13	Pass
1709	1710	0.003	/	2	1709.999	-36.86	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

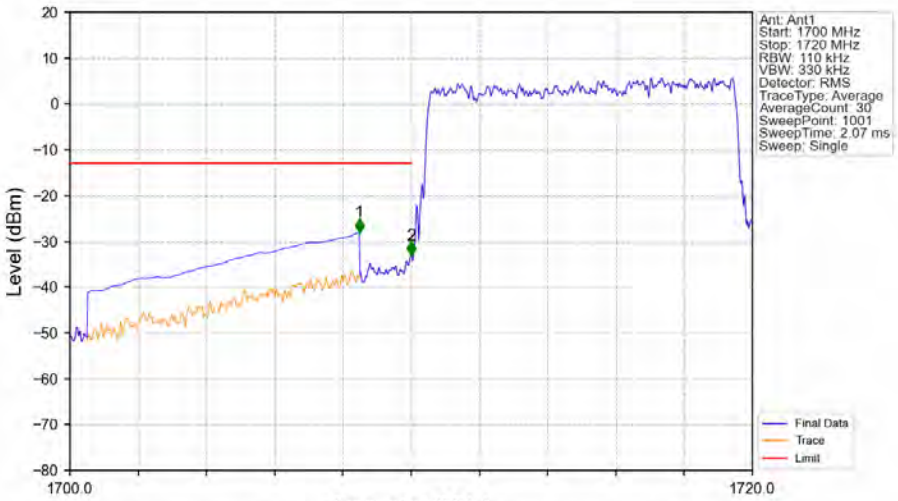
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

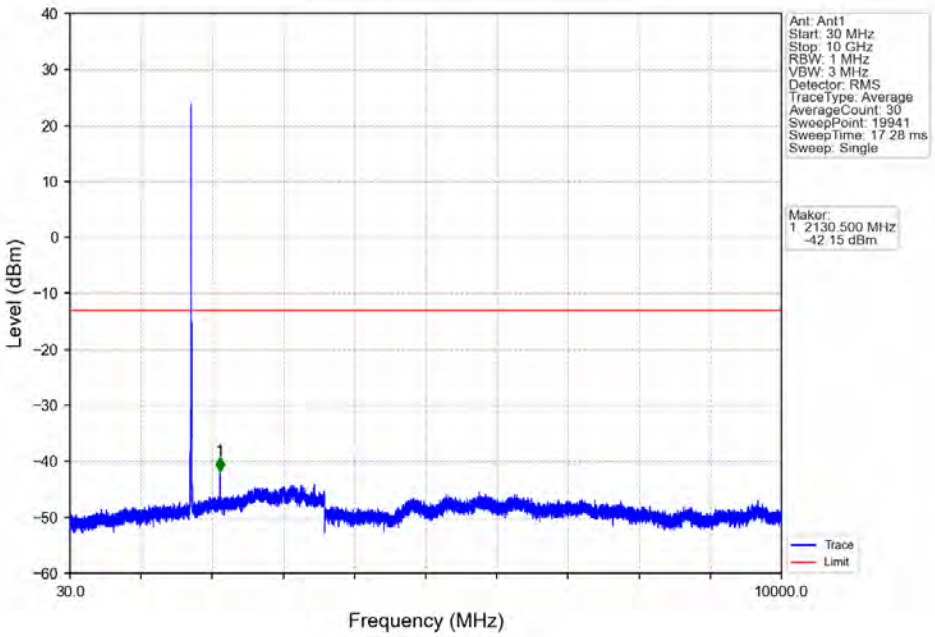


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

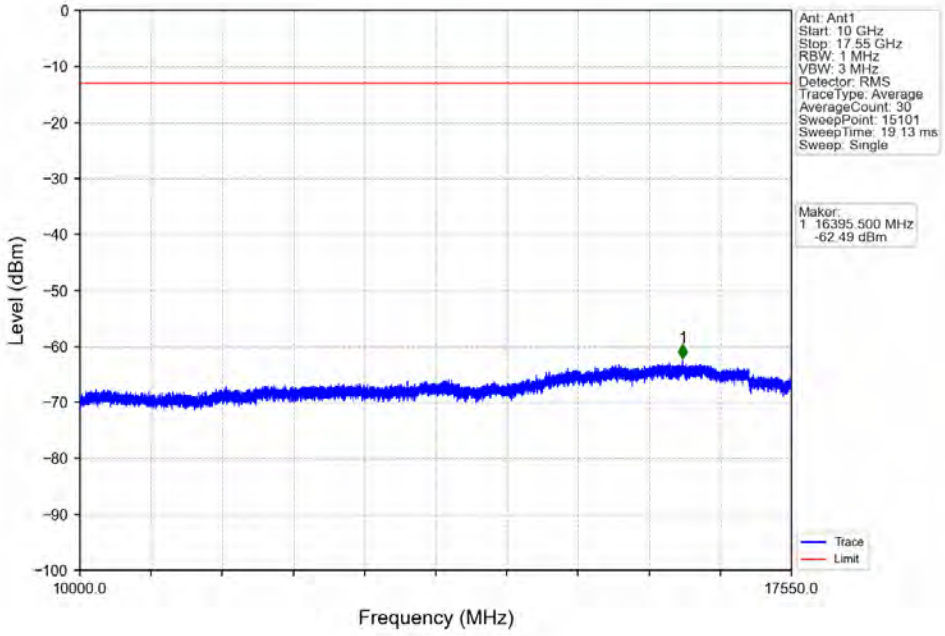


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-28.08	-13	Pass
1709	1710	0.11	/	2	1710.000	-33.14	-13	Pass
1710	1720	0.11	/	/	/	/	/	/

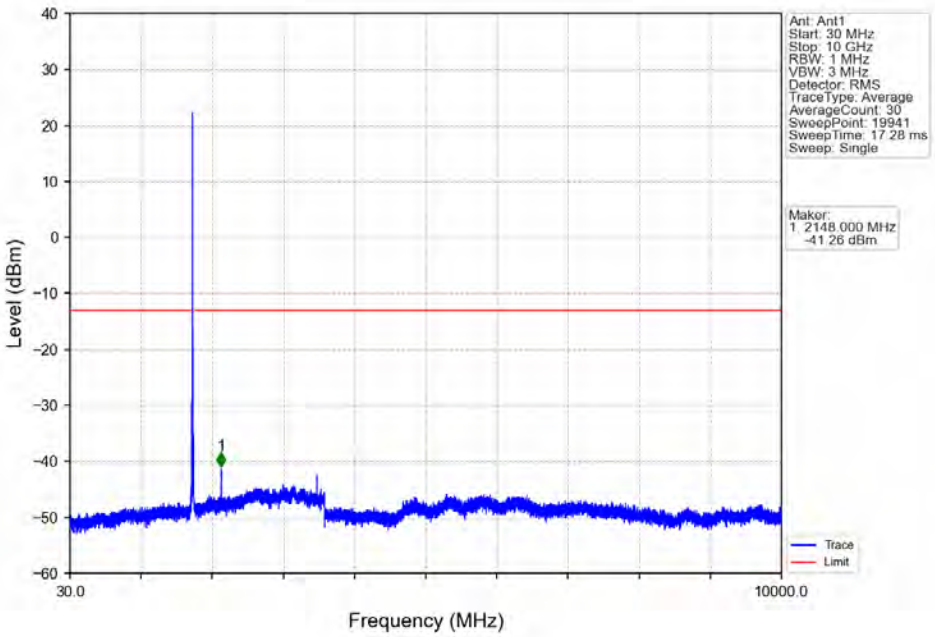
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



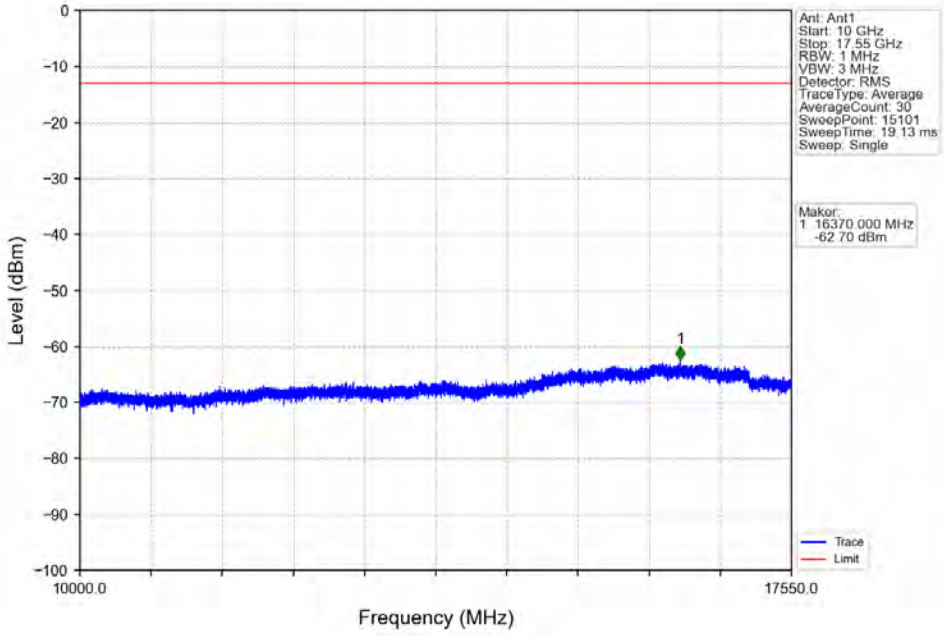
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



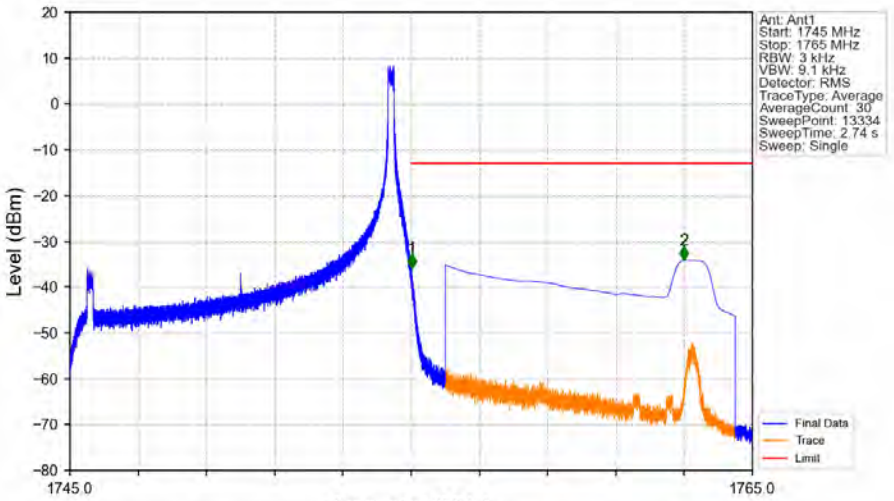
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV

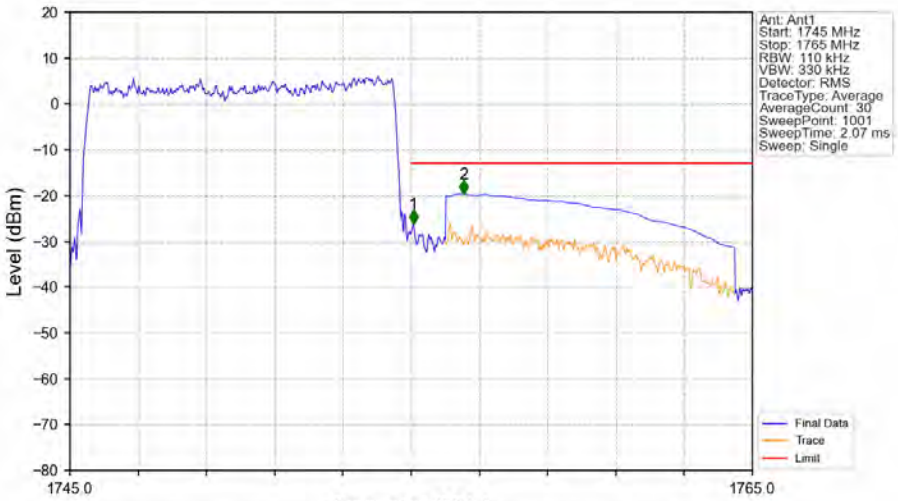


Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



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	1755.016	-35.92	-13	Pass
1756	1765	1	CHP	2	1762.994	-34.17	-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	-26.27	-13	Pass
1756	1765	1	CHP	2	1756.540	-19.63	-13	Pass

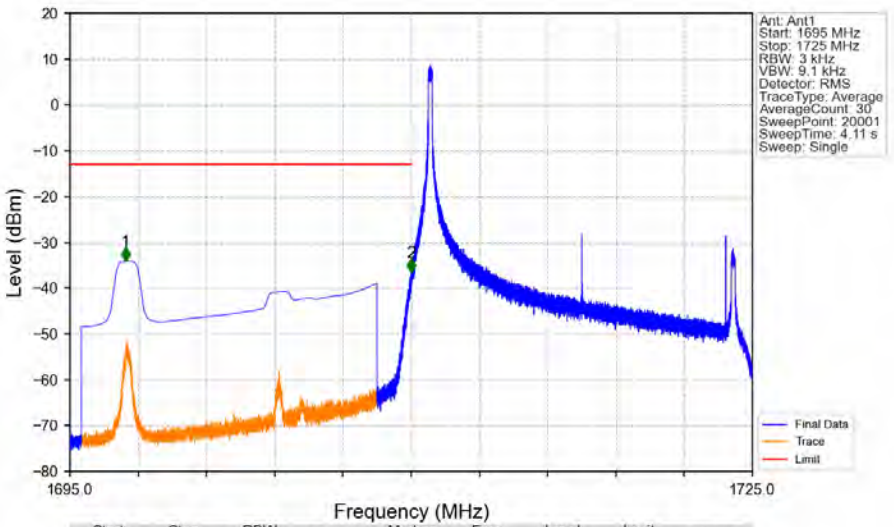
6.5 B4_15MHz

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

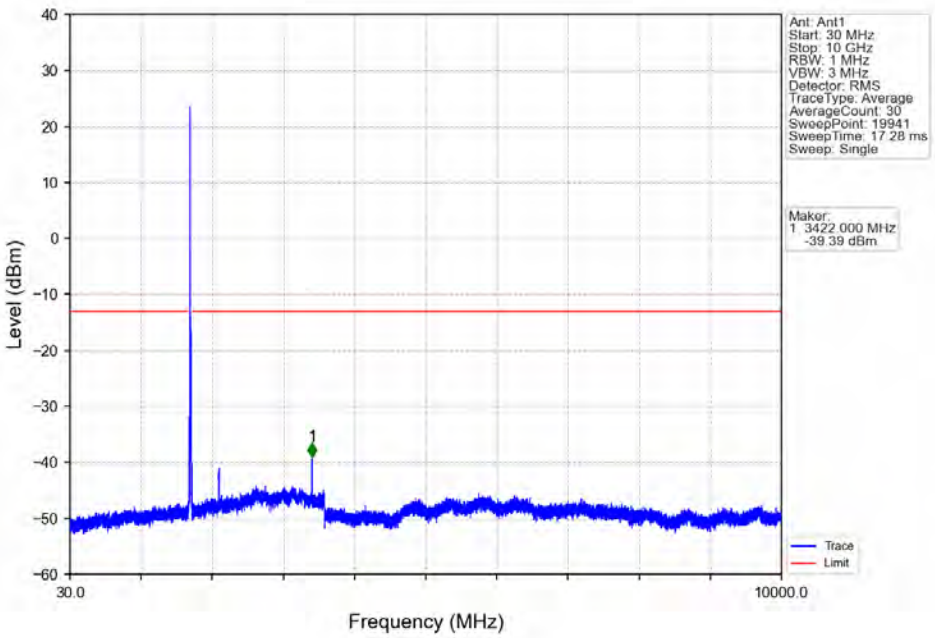
6.5.2 Test Graph

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

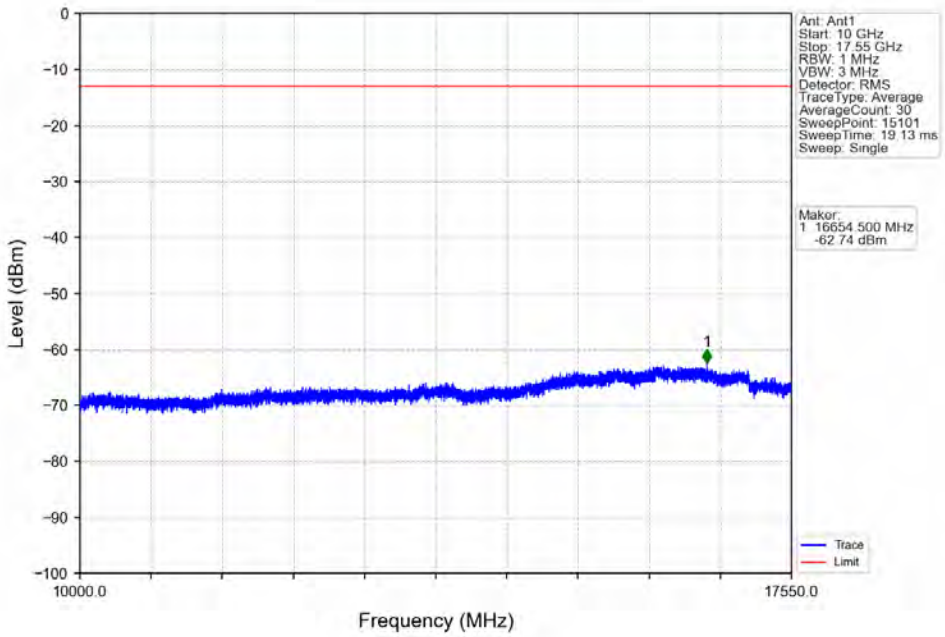


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1697.440	-34.15	-13	Pass
1709	1710	0.003	/	2	1709.997	-36.64	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

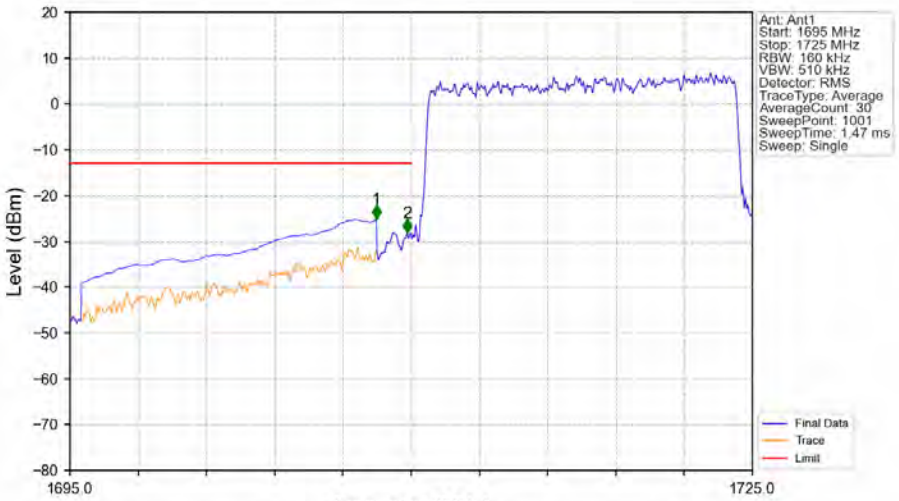
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

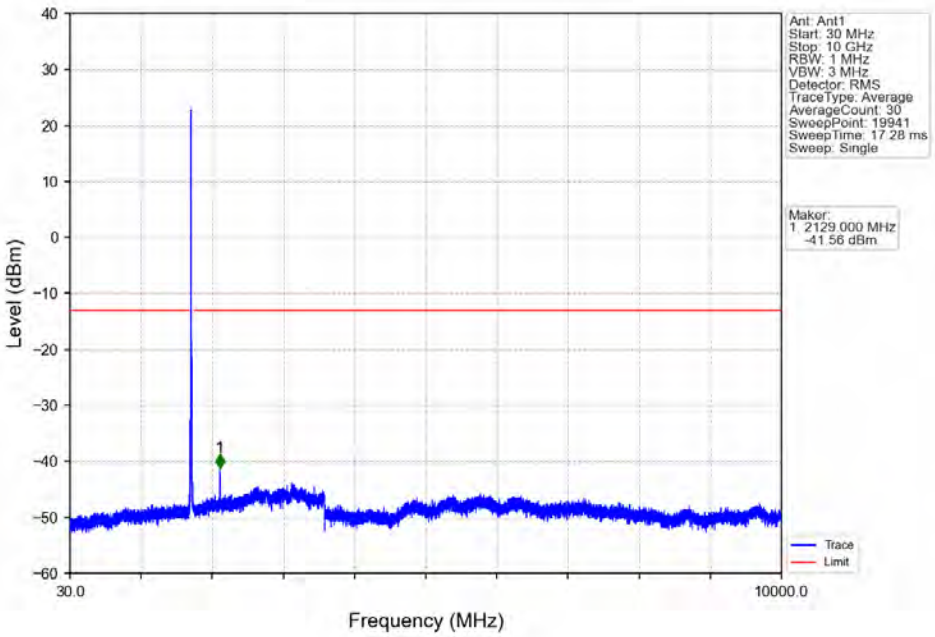


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

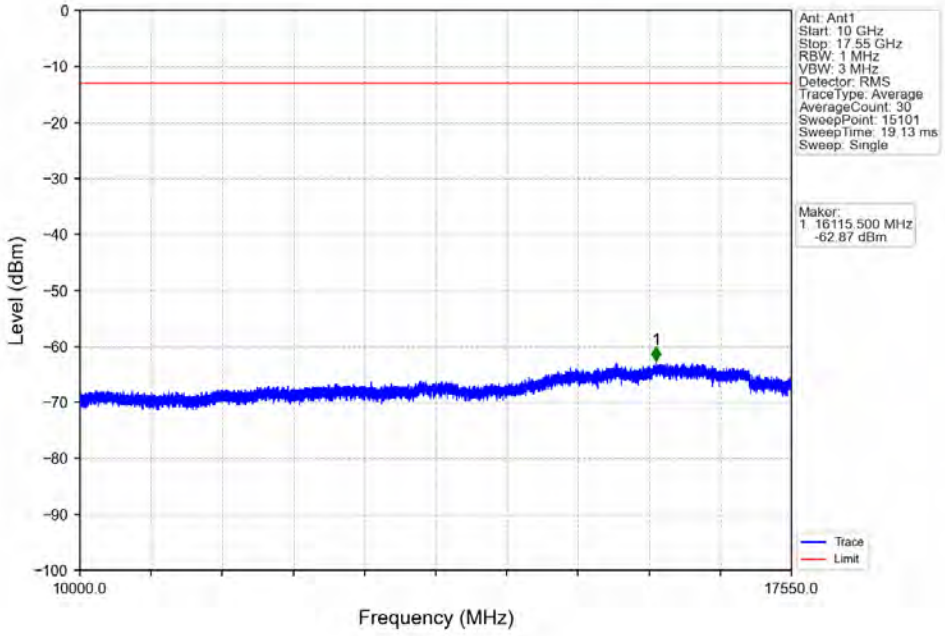


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.470	-25.12	-13	Pass
1709	1710	0.16	/	2	1709.820	-28.12	-13	Pass
1710	1725	0.16	/	/	/	/	/	/

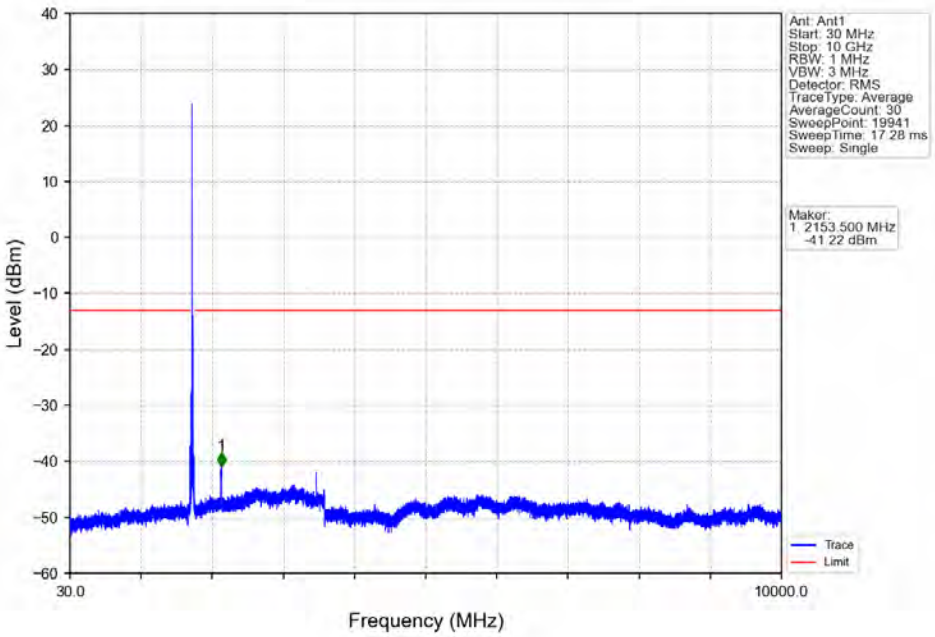
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



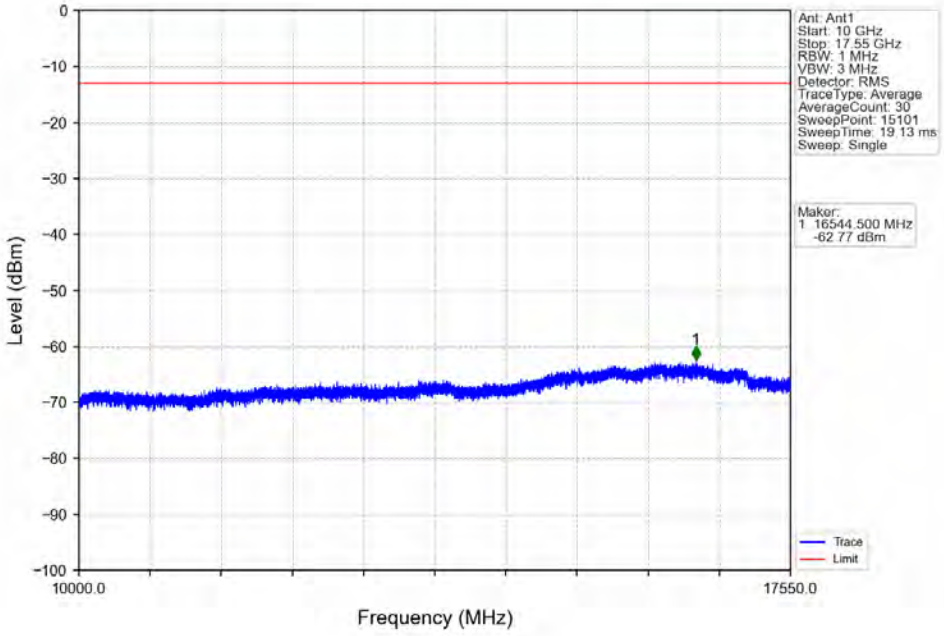
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



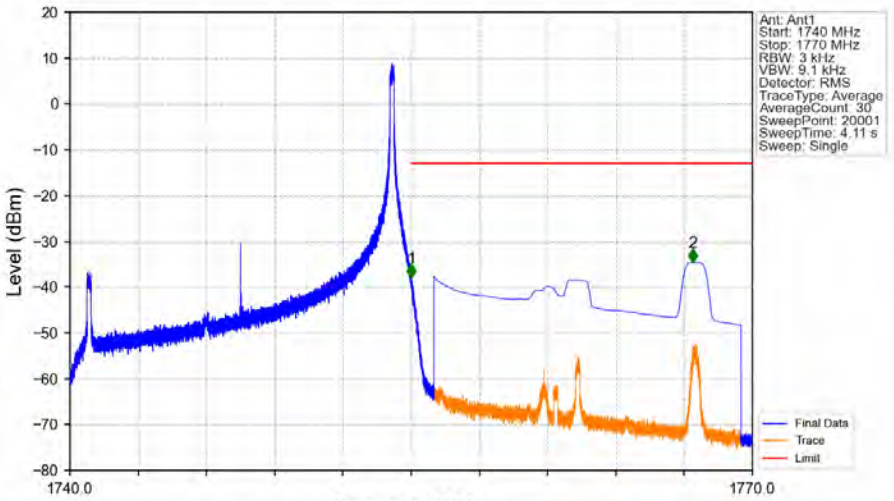
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV

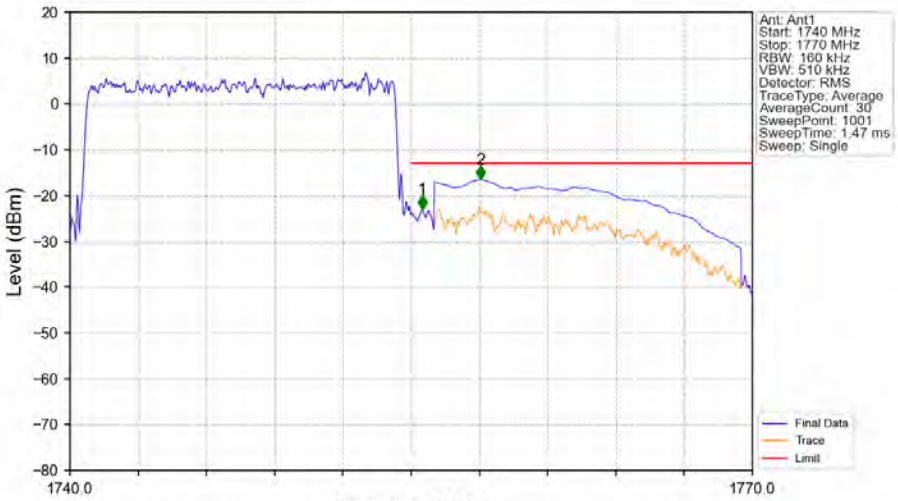


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



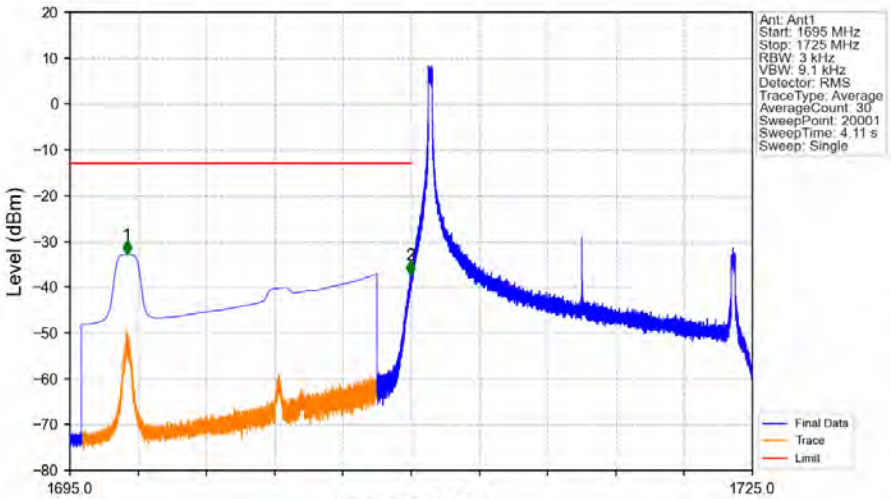
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.014	-38.07	-13	Pass
1756	1770	1	CHP	2	1767.384	-34.68	-13	Pass

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



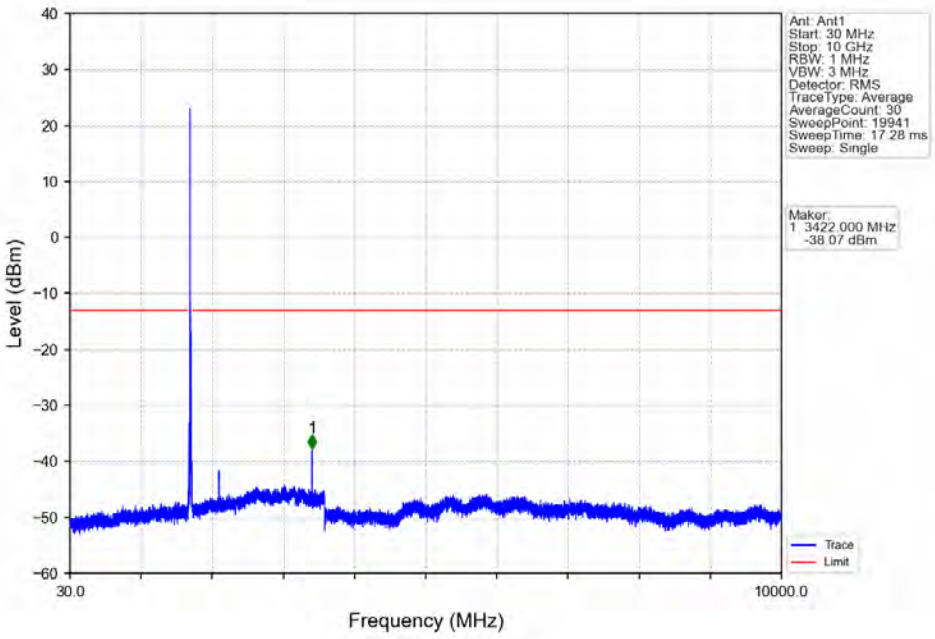
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.16	/	/	/	/	/	/
1755	1756	0.16	/	1	1755.480	-23.11	-13	Pass
1756	1770	1	CHP	2	1758.060	-16.48	-13	Pass

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

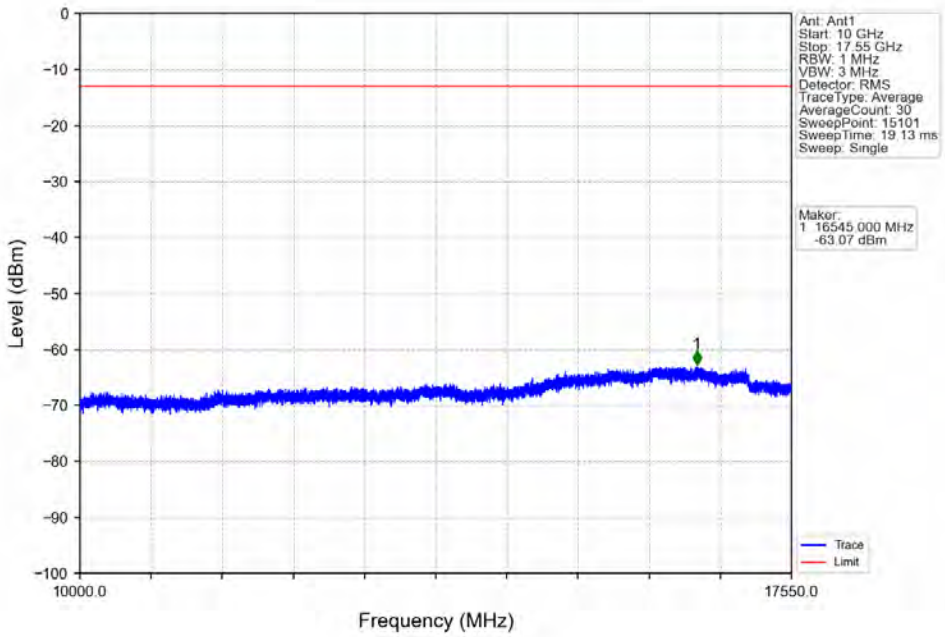


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1697.508	-32.88	-13	Pass
1709	1710	0.003	/	2	1709.972	-37.29	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

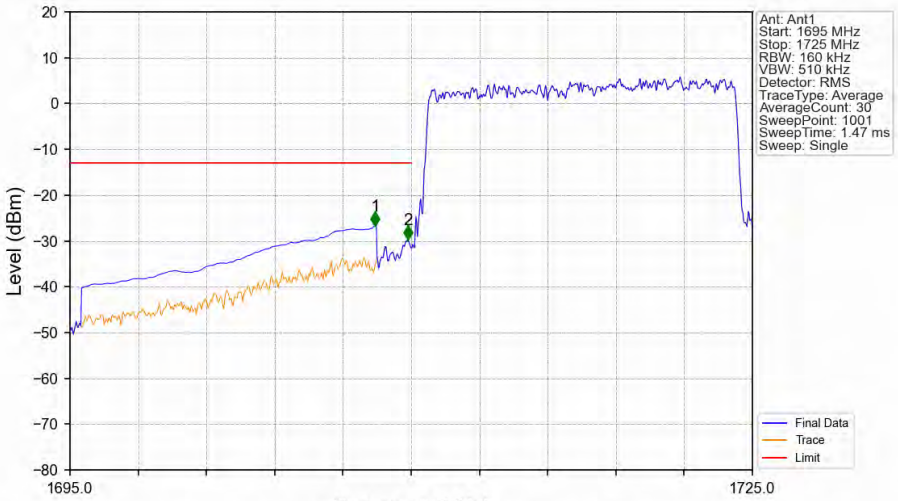
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

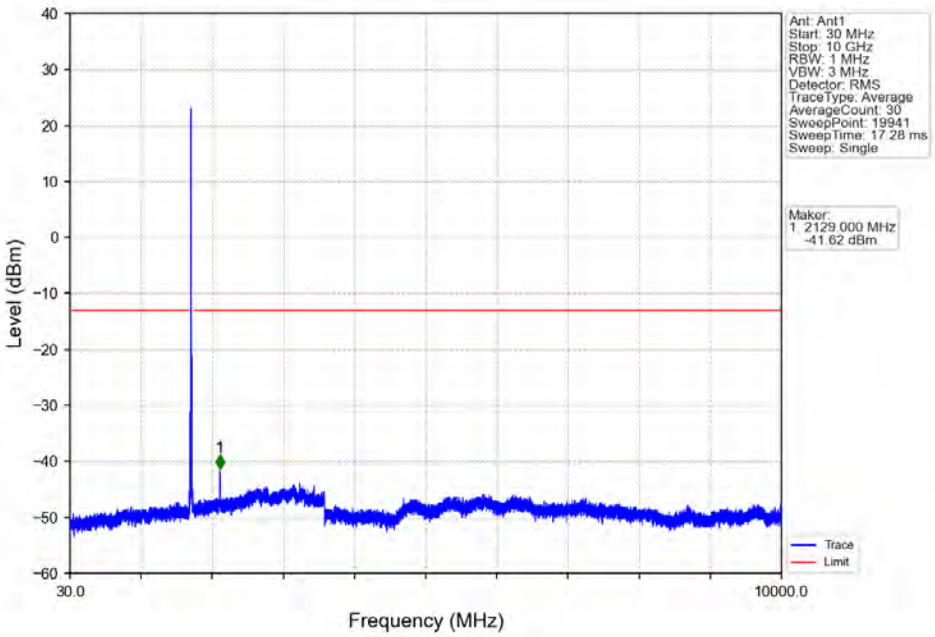


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

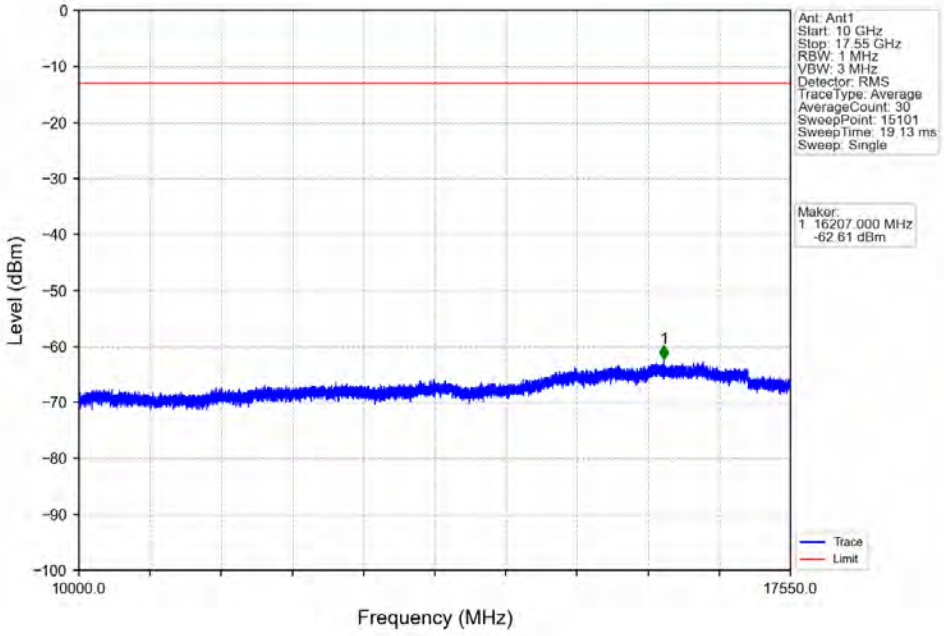


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.410	-26.69	-13	Pass
1709	1710	0.16	/	2	1709.850	-29.71	-13	Pass
1710	1725	0.16	/	/	/	/	/	/

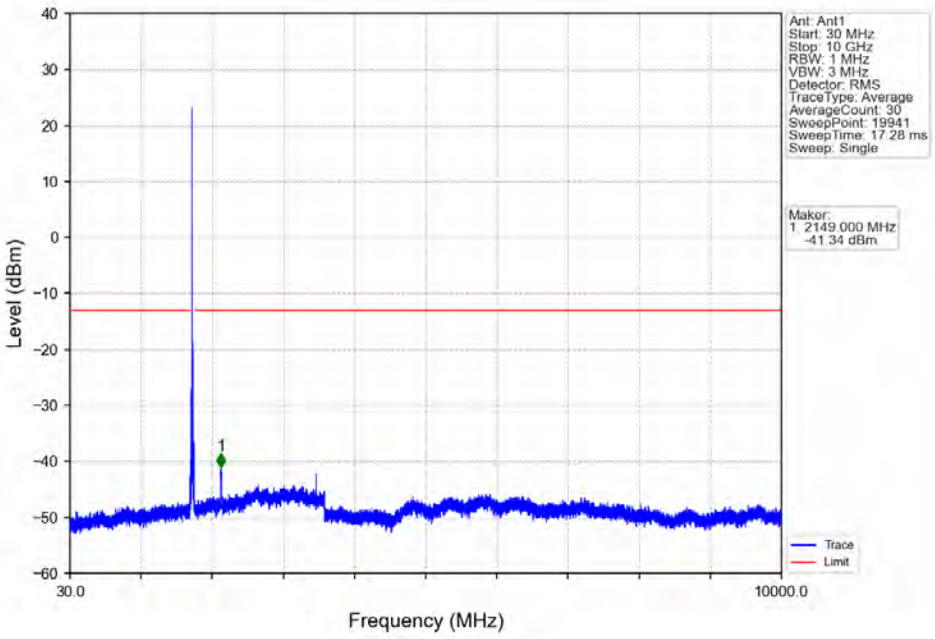
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



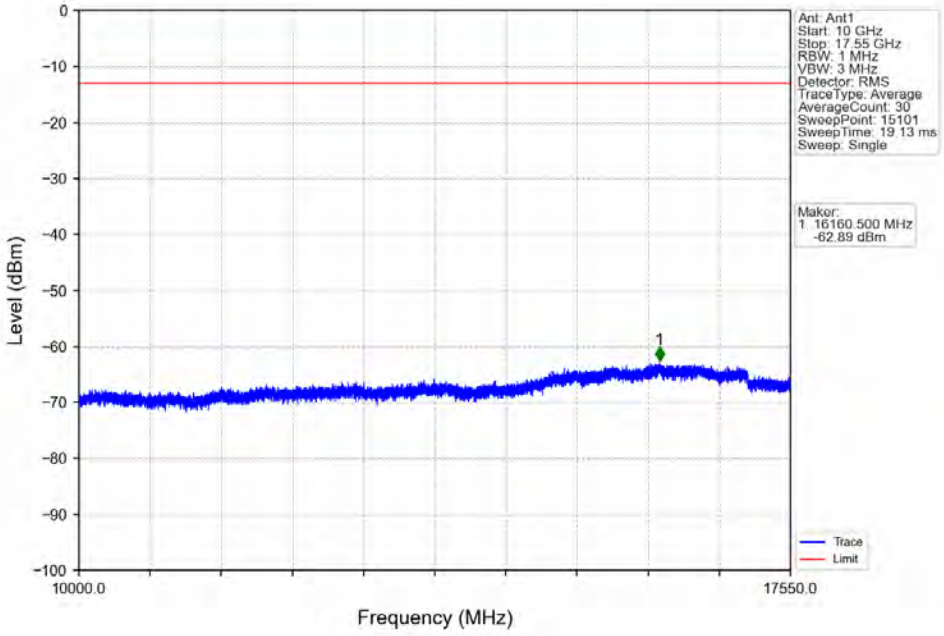
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



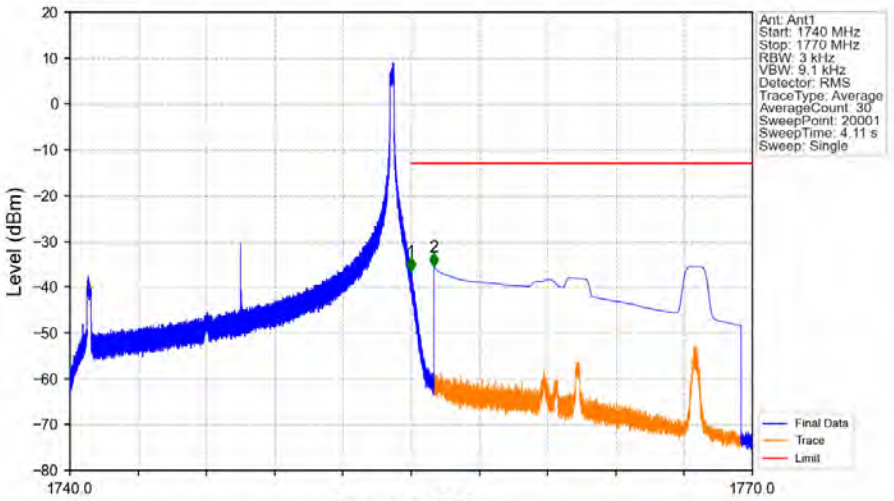
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV

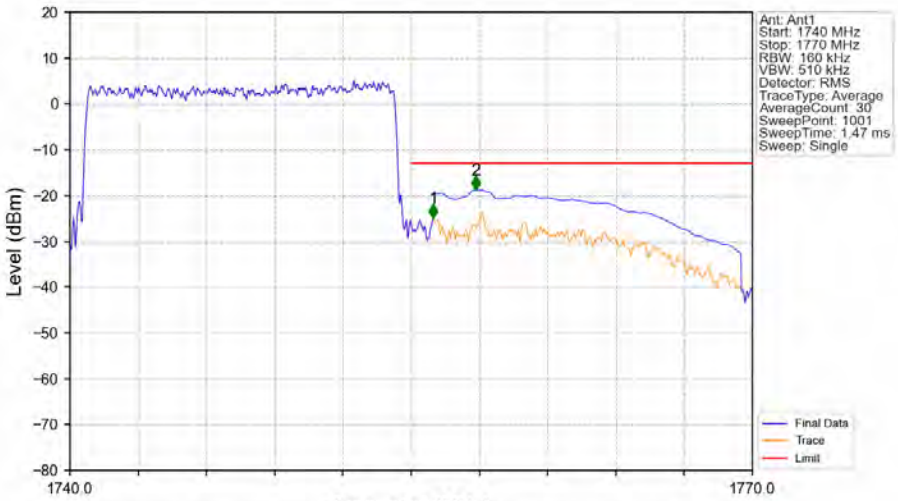


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-36.60	-13	Pass
1756	1770	1	CHP	2	1756.001	-35.53	-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	1755.960	-24.95	-13	Pass
1756	1770	1	CHP	2	1757.850	-18.80	-13	Pass

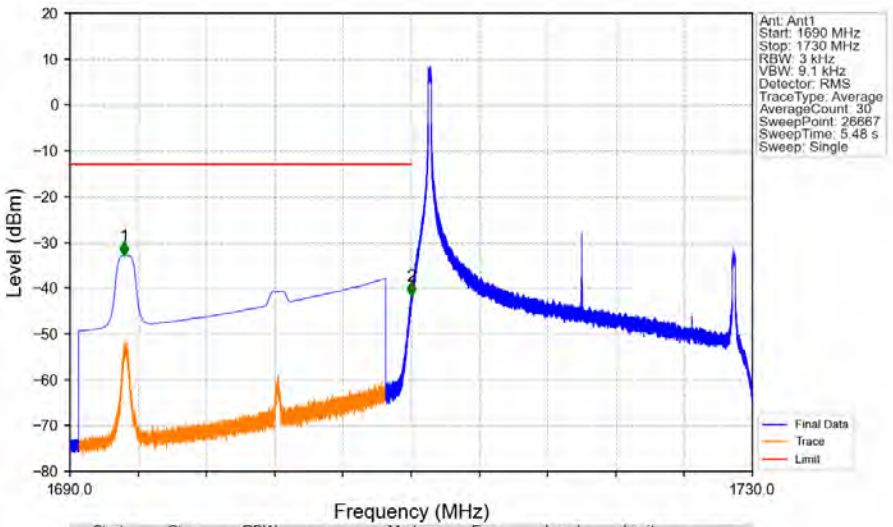
6.6 B4_20MHz

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

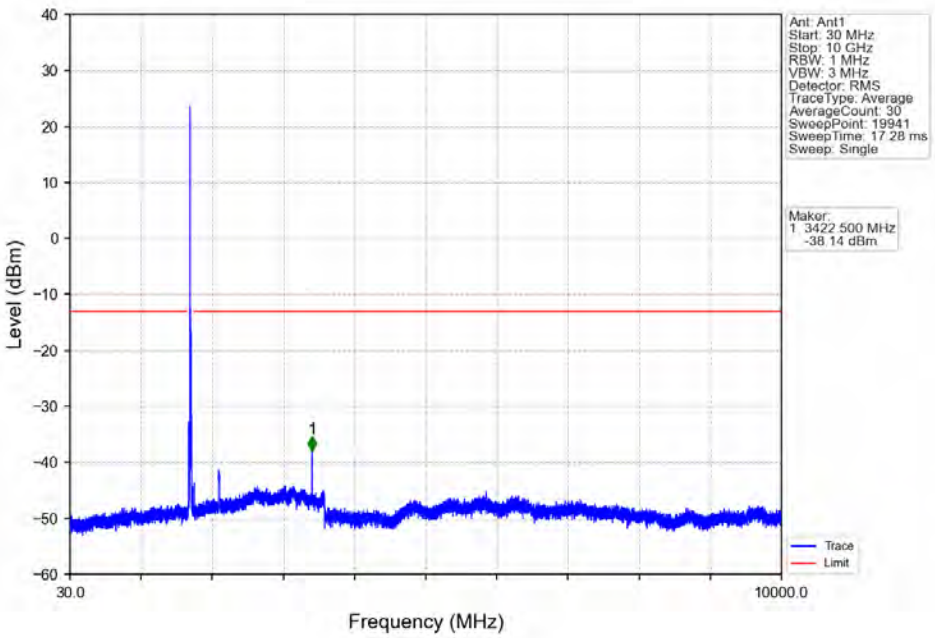
6.6.2 Test Graph

Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

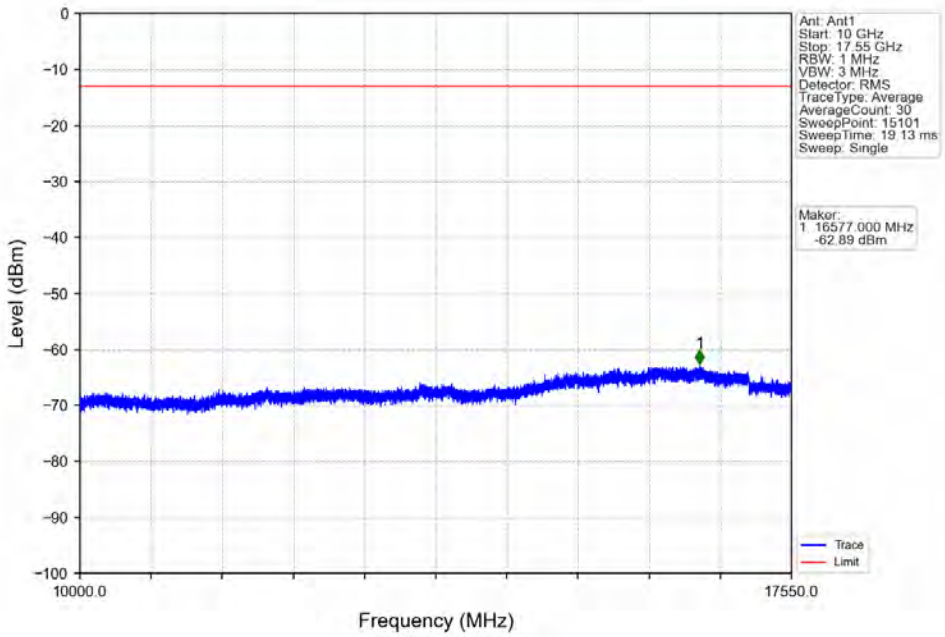


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1693.188	-32.90	-13	Pass
1709	1710	0.003	/	2	1709.997	-41.75	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

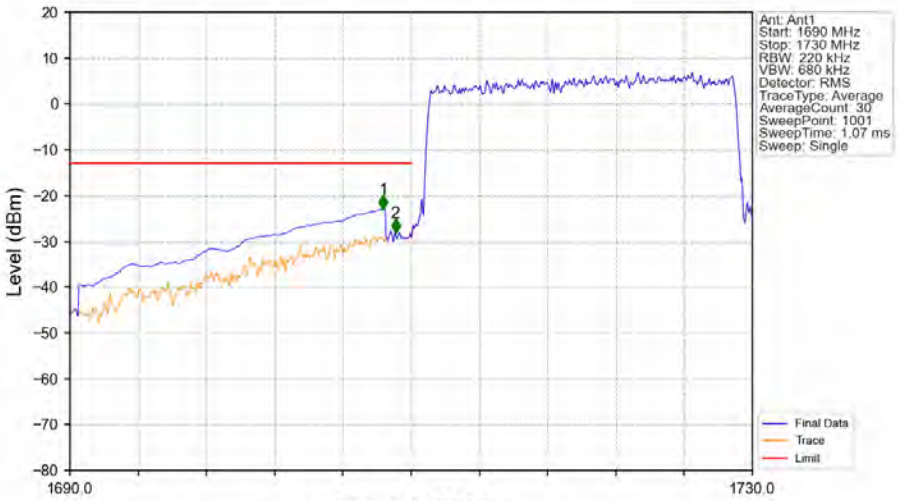
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



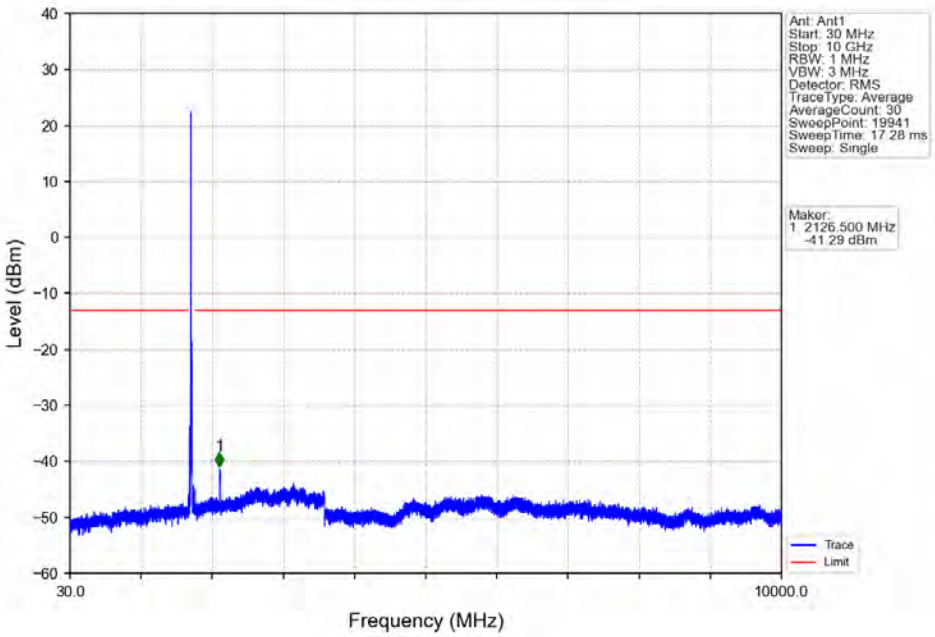
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

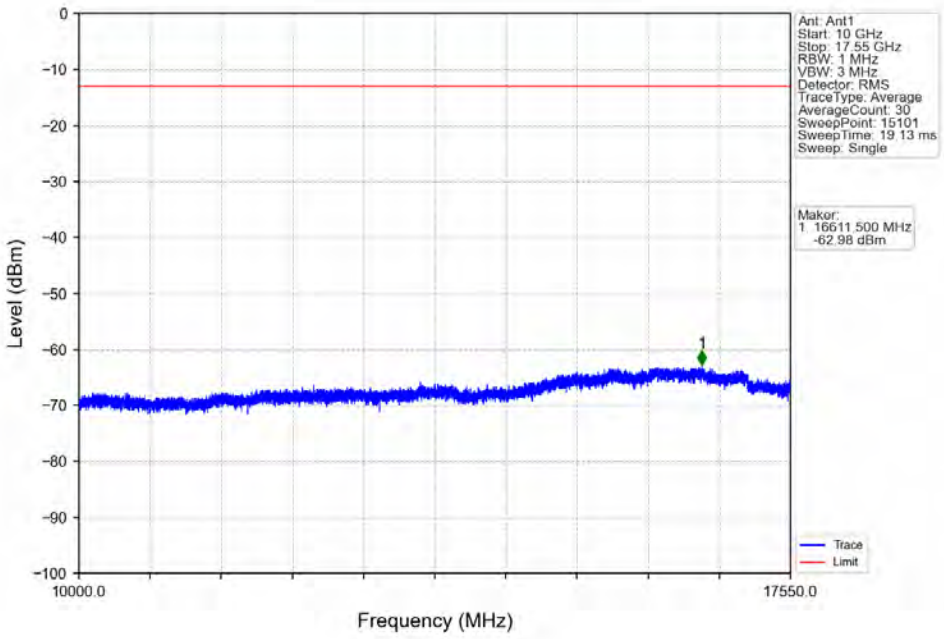


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

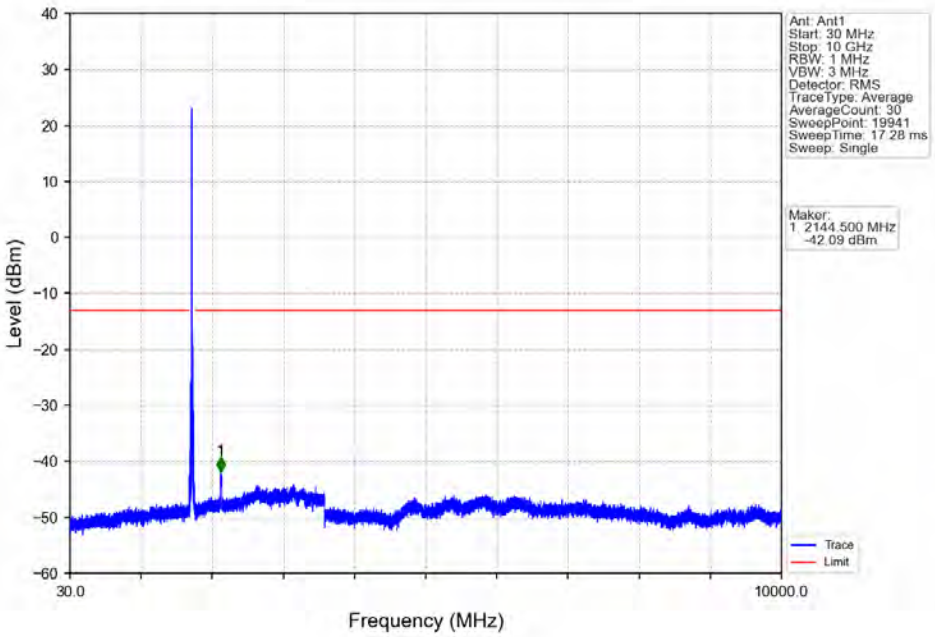


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.360	-22.99	-13	Pass
1709	1710	0.22	/	2	1709.080	-28.11	-13	Pass
1710	1730	0.22	/	/	/	/	/	/

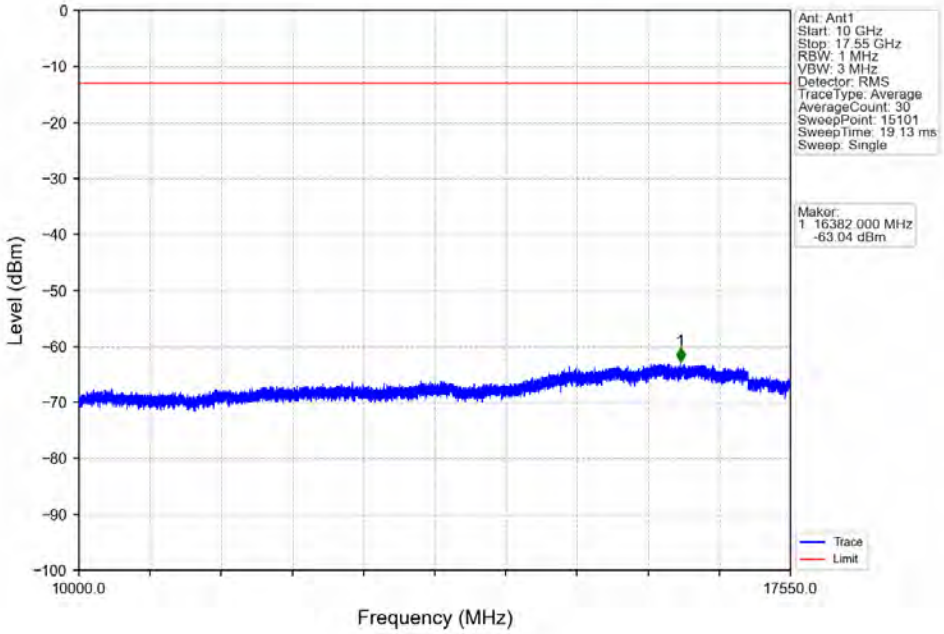
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV


Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV


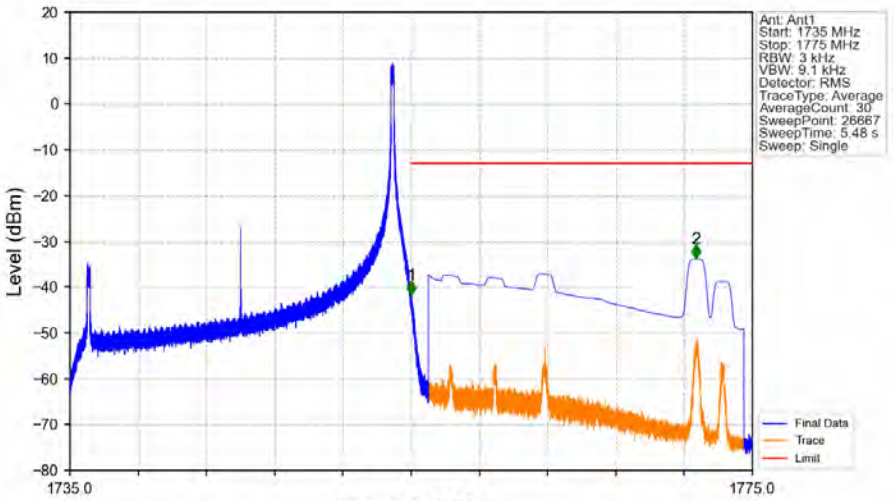
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

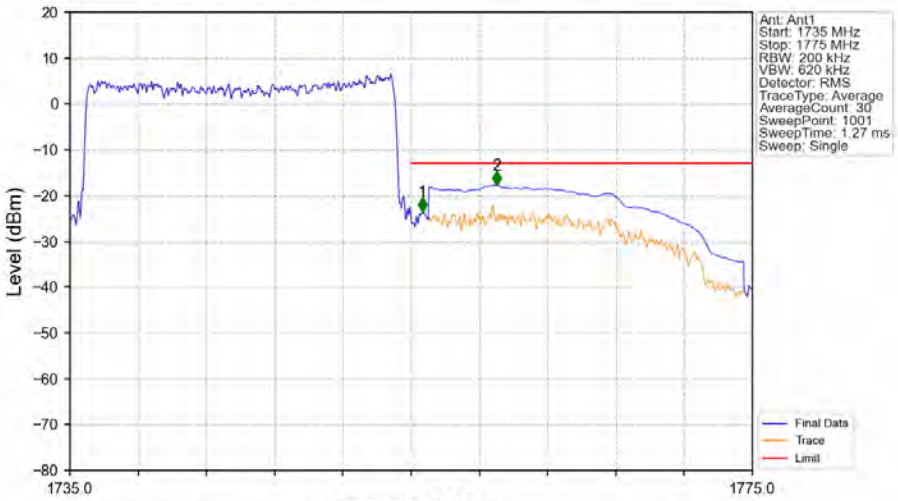


Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



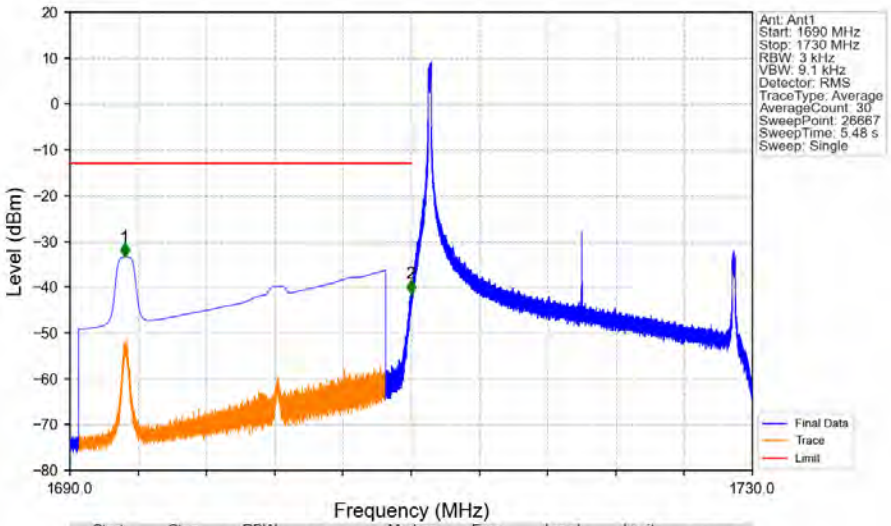
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.005	-41.78	-13	Pass
1756	1775	1	CHP	2	1771.683	-33.86	-13	Pass

Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



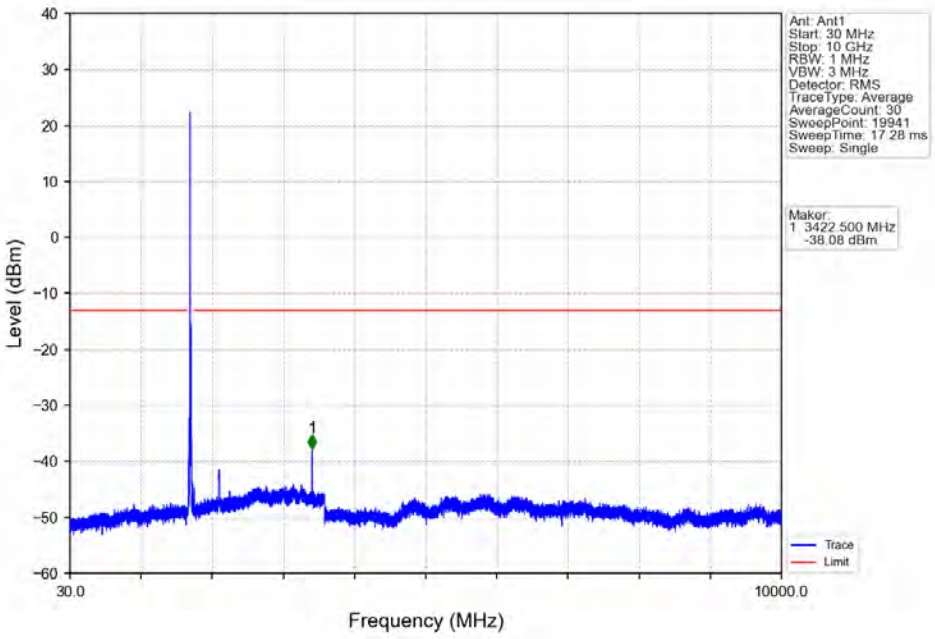
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.2	/	/	/	/	/	/
1755	1756	0.2	/	1	1755.640	-23.62	-13	Pass
1756	1775	1	CHP	2	1760.000	-17.74	-13	Pass

Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

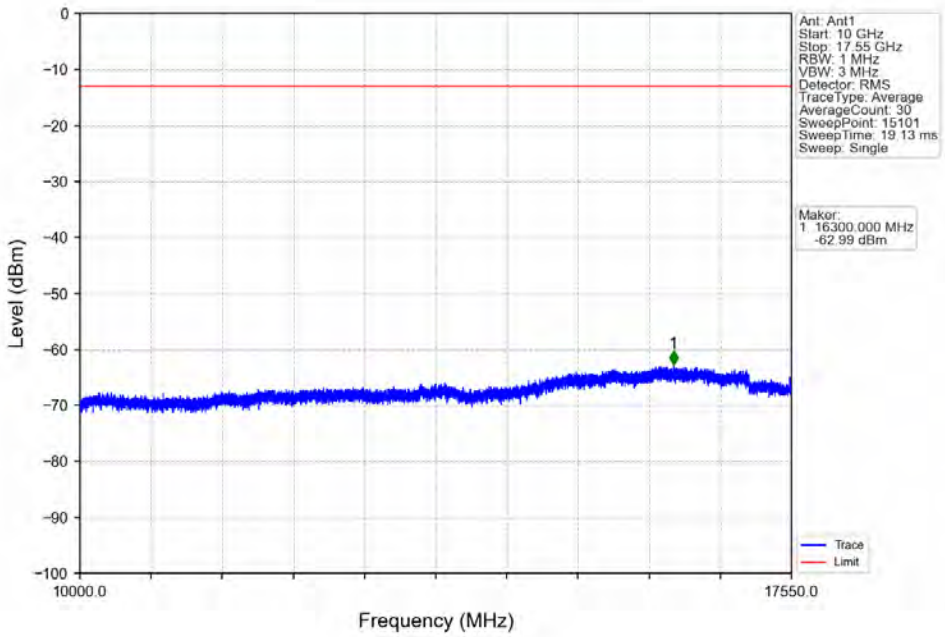


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1693.210	-33.41	-13	Pass
1709	1710	0.003	/	2	1709.980	-41.47	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

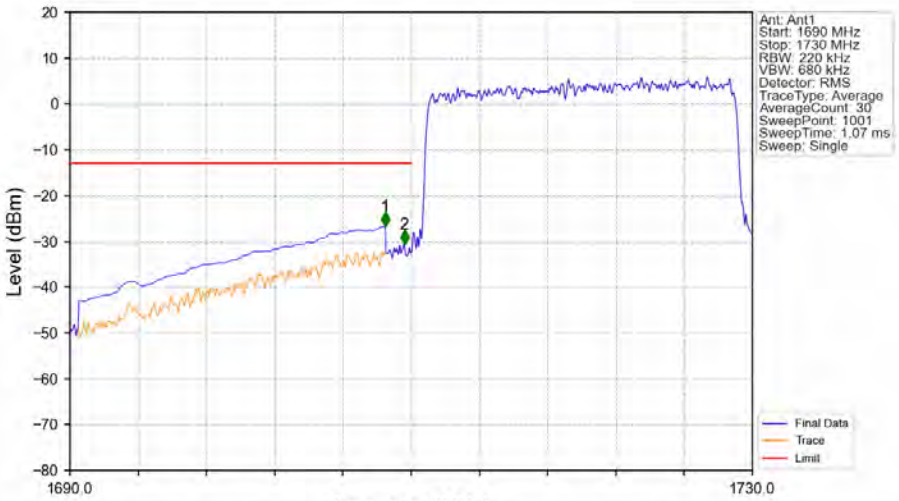
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

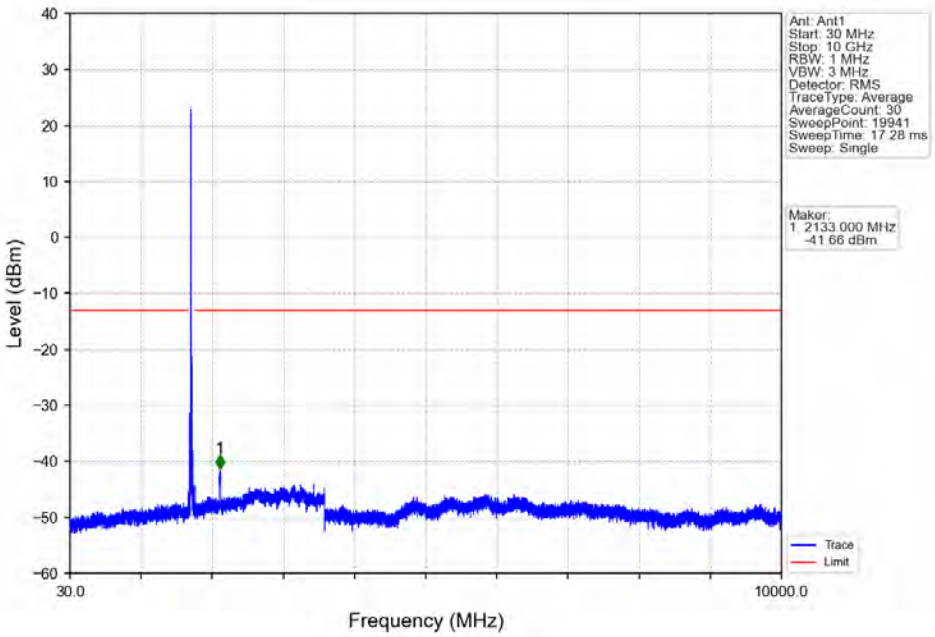


Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

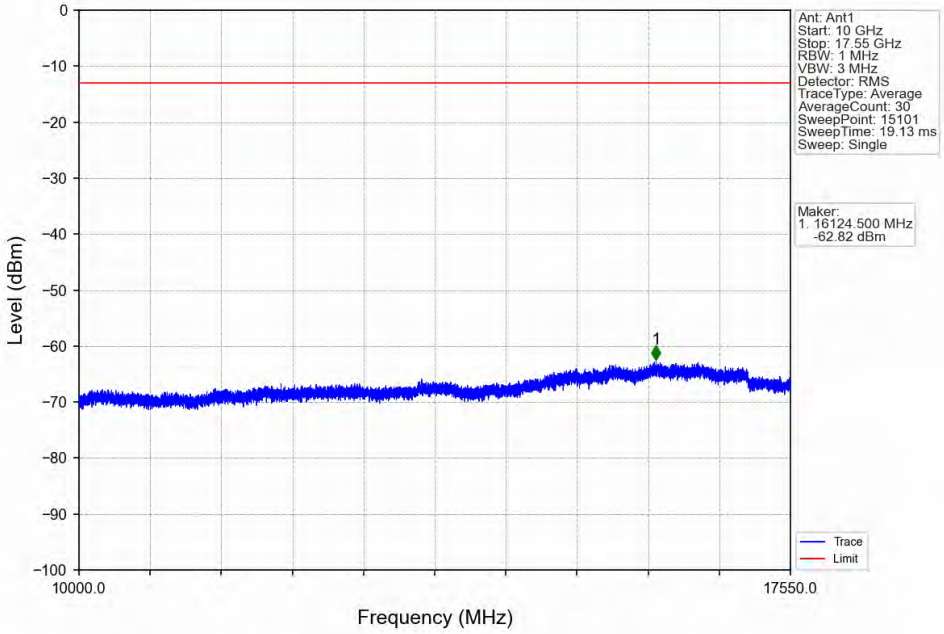


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-26.68	-13	Pass
1709	1710	0.22	/	2	1709.600	-30.58	-13	Pass
1710	1730	0.22	/	/	/	/	/	/

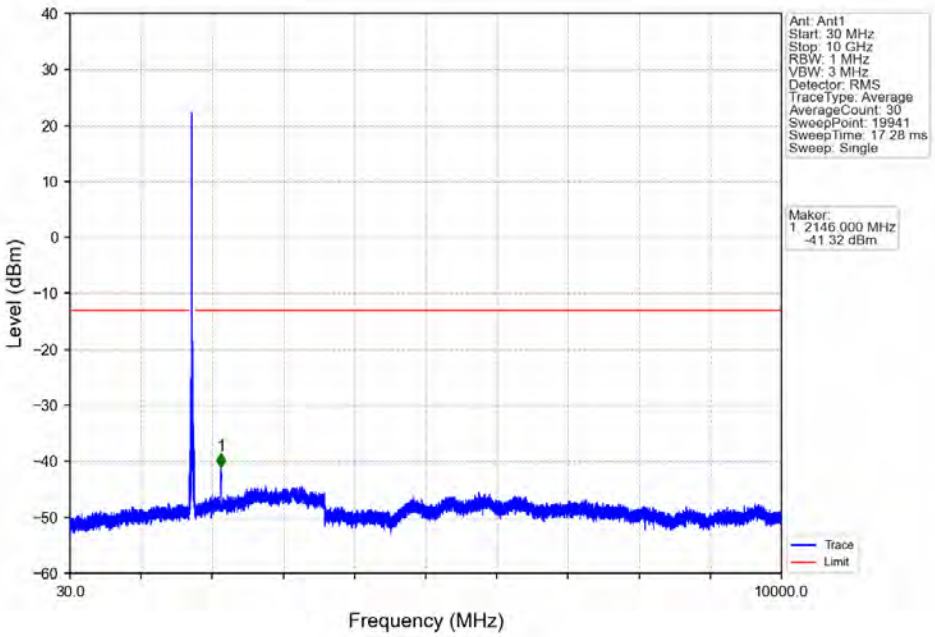
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



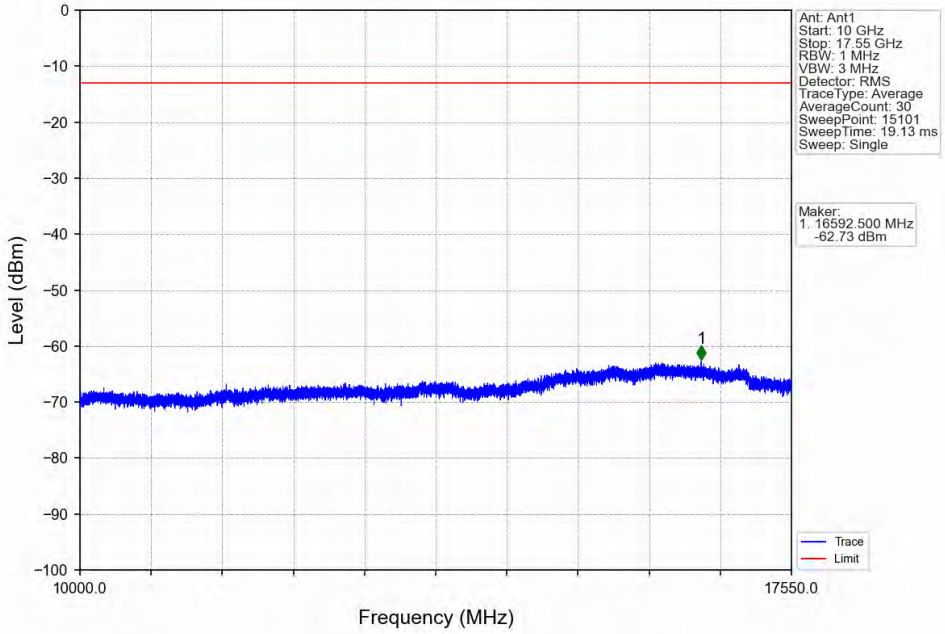
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



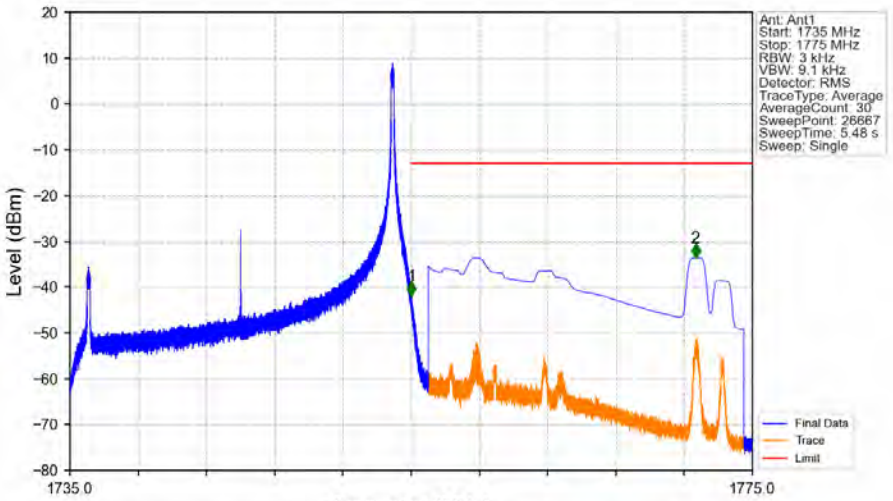
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV

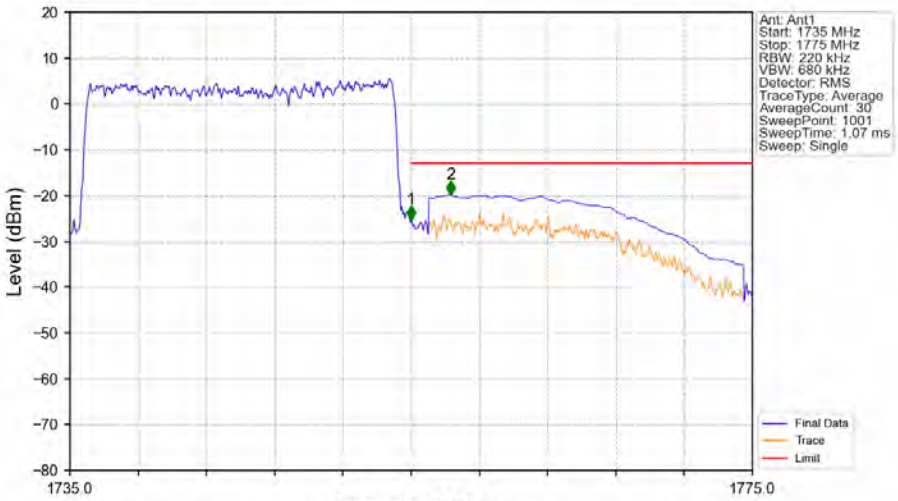


Band4_20MHz_16QAM_HCH_1745MHz_RB_1_99_NTNV



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	1755.021	-41.89	-13	Pass
1756	1775	1	CHP	2	1771.668	-33.59	-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	1755.000	-25.25	-13	Pass
1756	1775	1	CHP	2	1757.320	-19.77	-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	0.0743	0.0123	ppm	1M11G7D	27L	18.71
4	1.4	1710.7	1754.3	0.0612	0.0341	ppm	1M12W7D	27L	17.87
4	3	1711.5	1753.5	0.0667	0.0086	ppm	2M73G7D	27L	18.24
4	3	1711.5	1753.5	0.0619	0.0067	ppm	2M73W7D	27L	17.92
4	5	1712.5	1752.5	0.0649	0.0363	ppm	4M59G7D	27L	18.12
4	5	1712.5	1752.5	0.0532	0.0071	ppm	4M59W7D	27L	17.26
4	10	1715	1750	0.0649	0.0081	ppm	9M12G7D	27L	18.12
4	10	1715	1750	0.0524	0.0079	ppm	9M08W7D	27L	17.19
4	15	1717.5	1747.5	0.0621	0.0064	ppm	13M7G7D	27L	17.93
4	15	1717.5	1747.5	0.0557	0.0066	ppm	13M7W7D	27L	17.46
4	20	1720	1745	0.0596	0.0102	ppm	18M2G7D	27L	17.75
4	20	1720	1745	0.0543	0.0062	ppm	18M2W7D	27L	17.35

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	0.0473	0.0123	ppm	1M11G7D	27L	16.75
4	1.4	1710.7	1754.3	0.0390	0.0341	ppm	1M12W7D	27L	15.91
4	3	1711.5	1753.5	0.0425	0.0086	ppm	2M73G7D	27L	16.28
4	3	1711.5	1753.5	0.0394	0.0067	ppm	2M73W7D	27L	15.96
4	5	1712.5	1752.5	0.0413	0.0363	ppm	4M59G7D	27L	16.16
4	5	1712.5	1752.5	0.0339	0.0071	ppm	4M59W7D	27L	15.30
4	10	1715	1750	0.0413	0.0081	ppm	9M12G7D	27L	16.16
4	10	1715	1750	0.0333	0.0079	ppm	9M08W7D	27L	15.23
4	15	1717.5	1747.5	0.0395	0.0064	ppm	13M7G7D	27L	15.97
4	15	1717.5	1747.5	0.0355	0.0066	ppm	13M7W7D	27L	15.50
4	20	1720	1745	0.0379	0.0102	ppm	18M2G7D	27L	15.79
4	20	1720	1745	0.0346	0.0062	ppm	18M2W7D	27L	15.39