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	23.52	0.48	24.00	<=30	Pass
			2	23.41	0.48	23.89	<=30	Pass
			5	23.24	0.48	23.72	<=30	Pass
		3	0	23.67	0.48	24.15	<=30	Pass
			2	23.67	0.48	24.15	<=30	Pass
			3	23.67	0.48	24.15	<=30	Pass
		6	0	22.85	0.48	23.33	<=30	Pass
	1732.5	1	0	23.39	0.48	23.87	<=30	Pass
			2	23.26	0.48	23.74	<=30	Pass
			5	23.27	0.48	23.75	<=30	Pass
		3	0	23.65	0.48	24.13	<=30	Pass
			2	23.67	0.48	24.15	<=30	Pass
			3	23.65	0.48	24.13	<=30	Pass
		6	0	22.85	0.48	23.33	<=30	Pass
	1754.3	1	0	22.99	0.48	23.47	<=30	Pass
			2	22.98	0.48	23.46	<=30	Pass
			5	23.00	0.48	23.48	<=30	Pass
		3	0	23.51	0.48	23.99	<=30	Pass
			2	23.51	0.48	23.99	<=30	Pass
			3	23.51	0.48	23.99	<=30	Pass
		6	0	22.62	0.48	23.10	<=30	Pass
16QAM	1710.7	1	0	22.53	0.48	23.01	<=30	Pass
			2	22.53	0.48	23.01	<=30	Pass
			5	22.52	0.48	23.00	<=30	Pass
		3	0	22.76	0.48	23.24	<=30	Pass
			2	22.78	0.48	23.26	<=30	Pass
			3	22.77	0.48	23.25	<=30	Pass
		6	0	21.90	0.48	22.38	<=30	Pass
	1732.5	1	0	22.51	0.48	22.99	<=30	Pass
			2	22.50	0.48	22.98	<=30	Pass
			5	22.49	0.48	22.97	<=30	Pass
		3	0	22.76	0.48	23.24	<=30	Pass
			2	22.78	0.48	23.26	<=30	Pass
			3	22.78	0.48	23.26	<=30	Pass
		6	0	21.87	0.48	22.35	<=30	Pass
	1754.3	1	0	22.17	0.48	22.65	<=30	Pass
			2	22.15	0.48	22.63	<=30	Pass
			5	22.18	0.48	22.66	<=30	Pass
		3	0	22.80	0.48	23.28	<=30	Pass
			2	22.82	0.48	23.30	<=30	Pass
			3	22.83	0.48	23.31	<=30	Pass
		6	0	21.61	0.48	22.09	<=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	23.28	0.48	23.76	<=30	Pass
			7	23.25	0.48	23.73	<=30	Pass
			14	23.27	0.48	23.75	<=30	Pass
		8	0	22.81	0.48	23.29	<=30	Pass
			4	22.80	0.48	23.28	<=30	Pass
			7	22.81	0.48	23.29	<=30	Pass
		15	0	22.85	0.48	23.33	<=30	Pass
	1732.5	1	0	23.26	0.48	23.74	<=30	Pass
			7	23.26	0.48	23.74	<=30	Pass
			14	23.27	0.48	23.75	<=30	Pass
		8	0	22.82	0.48	23.30	<=30	Pass
			4	22.80	0.48	23.28	<=30	Pass
			7	22.81	0.48	23.29	<=30	Pass
		15	0	22.81	0.48	23.29	<=30	Pass
	1753.5	1	0	23.17	0.48	23.65	<=30	Pass
			7	23.14	0.48	23.62	<=30	Pass
			14	23.14	0.48	23.62	<=30	Pass
		8	0	22.57	0.48	23.05	<=30	Pass
			4	22.53	0.48	23.01	<=30	Pass
			7	22.52	0.48	23.00	<=30	Pass
		15	0	22.58	0.48	23.06	<=30	Pass
16QAM	1711.5	1	0	22.40	0.48	22.88	<=30	Pass
			7	22.37	0.48	22.85	<=30	Pass
			14	22.40	0.48	22.88	<=30	Pass
		8	0	21.91	0.48	22.39	<=30	Pass
			4	21.89	0.48	22.37	<=30	Pass
			7	21.92	0.48	22.40	<=30	Pass
		15	0	21.90	0.48	22.38	<=30	Pass
	1732.5	1	0	22.54	0.48	23.02	<=30	Pass
			7	22.50	0.48	22.98	<=30	Pass
			14	22.49	0.48	22.97	<=30	Pass
		8	0	21.78	0.48	22.26	<=30	Pass
			4	21.80	0.48	22.28	<=30	Pass
			7	21.80	0.48	22.28	<=30	Pass
		15	0	21.78	0.48	22.26	<=30	Pass
	1753.5	1	0	22.56	0.48	23.04	<=30	Pass
			7	22.50	0.48	22.98	<=30	Pass
			14	22.53	0.48	23.01	<=30	Pass
		8	0	21.82	0.48	22.30	<=30	Pass
			4	21.79	0.48	22.27	<=30	Pass
			7	21.78	0.48	22.26	<=30	Pass
		15	0	21.67	0.48	22.15	<=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	23.46	0.48	23.94	<=30	Pass
			13	23.33	0.48	23.81	<=30	Pass
			24	23.44	0.48	23.92	<=30	Pass
		12	0	22.82	0.48	23.30	<=30	Pass
			6	22.79	0.48	23.27	<=30	Pass
			13	22.84	0.48	23.32	<=30	Pass
		25	0	22.81	0.48	23.29	<=30	Pass
	1732.5	1	0	23.30	0.48	23.78	<=30	Pass
			13	23.28	0.48	23.76	<=30	Pass
			24	23.40	0.48	23.88	<=30	Pass
		12	0	22.80	0.48	23.28	<=30	Pass
			6	22.80	0.48	23.28	<=30	Pass
			13	22.85	0.48	23.33	<=30	Pass
		25	0	22.84	0.48	23.32	<=30	Pass
	1752.5	1	0	23.43	0.48	23.91	<=30	Pass
			13	23.32	0.48	23.80	<=30	Pass
			24	23.37	0.48	23.85	<=30	Pass
		12	0	22.64	0.48	23.12	<=30	Pass
			6	22.59	0.48	23.07	<=30	Pass
			13	22.53	0.48	23.01	<=30	Pass
		25	0	22.62	0.48	23.10	<=30	Pass
16QAM	1712.5	1	0	22.55	0.48	23.03	<=30	Pass
			13	22.40	0.48	22.88	<=30	Pass
			24	22.51	0.48	22.99	<=30	Pass
		12	0	21.83	0.48	22.31	<=30	Pass
			6	21.82	0.48	22.30	<=30	Pass
			13	21.89	0.48	22.37	<=30	Pass
		25	0	21.84	0.48	22.32	<=30	Pass
	1732.5	1	0	22.62	0.48	23.10	<=30	Pass
			13	22.57	0.48	23.05	<=30	Pass
			24	22.64	0.48	23.12	<=30	Pass
		12	0	21.84	0.48	22.32	<=30	Pass
			6	21.83	0.48	22.31	<=30	Pass
			13	21.88	0.48	22.36	<=30	Pass
		25	0	21.84	0.48	22.32	<=30	Pass
	1752.5	1	0	22.12	0.48	22.60	<=30	Pass
			13	22.01	0.48	22.49	<=30	Pass
			24	22.11	0.48	22.59	<=30	Pass
		12	0	21.74	0.48	22.22	<=30	Pass
			6	21.66	0.48	22.14	<=30	Pass
			13	21.59	0.48	22.07	<=30	Pass
		25	0	21.71	0.48	22.19	<=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	23.35	0.48	23.83	<=30	Pass
			25	23.30	0.48	23.78	<=30	Pass
			49	23.35	0.48	23.83	<=30	Pass
		25	0	22.80	0.48	23.28	<=30	Pass
			13	22.85	0.48	23.33	<=30	Pass
			25	22.88	0.48	23.36	<=30	Pass
		50	0	22.82	0.48	23.30	<=30	Pass
	1732.5	1	0	23.36	0.48	23.84	<=30	Pass
			25	23.30	0.48	23.78	<=30	Pass
			49	23.34	0.48	23.82	<=30	Pass
		25	0	22.79	0.48	23.27	<=30	Pass
			13	22.81	0.48	23.29	<=30	Pass
			25	22.88	0.48	23.36	<=30	Pass
		50	0	22.87	0.48	23.35	<=30	Pass
	1750	1	0	23.29	0.48	23.77	<=30	Pass
			25	23.20	0.48	23.68	<=30	Pass
			49	23.20	0.48	23.68	<=30	Pass
		25	0	22.64	0.48	23.12	<=30	Pass
			13	22.61	0.48	23.09	<=30	Pass
			25	22.60	0.48	23.08	<=30	Pass
		50	0	22.61	0.48	23.09	<=30	Pass
16QAM	1715	1	0	22.41	0.48	22.89	<=30	Pass
			25	22.36	0.48	22.84	<=30	Pass
			49	22.45	0.48	22.93	<=30	Pass
		25	0	21.88	0.48	22.36	<=30	Pass
			13	21.94	0.48	22.42	<=30	Pass
			25	21.96	0.48	22.44	<=30	Pass
		50	0	21.82	0.48	22.30	<=30	Pass
	1732.5	1	0	22.63	0.48	23.11	<=30	Pass
			25	22.50	0.48	22.98	<=30	Pass
			49	22.58	0.48	23.06	<=30	Pass
		25	0	21.85	0.48	22.33	<=30	Pass
			13	21.87	0.48	22.35	<=30	Pass
			25	21.92	0.48	22.40	<=30	Pass
		50	0	21.87	0.48	22.35	<=30	Pass
	1750	1	0	22.68	0.48	23.16	<=30	Pass
			25	22.56	0.48	23.04	<=30	Pass
			49	22.60	0.48	23.08	<=30	Pass
		25	0	21.70	0.48	22.18	<=30	Pass
			13	21.68	0.48	22.16	<=30	Pass
			25	21.65	0.48	22.13	<=30	Pass
		50	0	21.62	0.48	22.10	<=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	23.22	0.48	23.70	<=30	Pass
			38	23.25	0.48	23.73	<=30	Pass
			74	23.20	0.48	23.68	<=30	Pass
		36	0	22.74	0.48	23.22	<=30	Pass
			18	22.76	0.48	23.24	<=30	Pass
			39	22.71	0.48	23.19	<=30	Pass
		75	0	22.73	0.48	23.21	<=30	Pass
	1732.5	1	0	23.19	0.48	23.67	<=30	Pass
			38	23.28	0.48	23.76	<=30	Pass
			74	23.22	0.48	23.70	<=30	Pass
		36	0	22.76	0.48	23.24	<=30	Pass
			18	22.77	0.48	23.25	<=30	Pass
			39	22.84	0.48	23.32	<=30	Pass
		75	0	22.84	0.48	23.32	<=30	Pass
	1747.5	1	0	23.20	0.48	23.68	<=30	Pass
			38	23.19	0.48	23.67	<=30	Pass
			74	23.09	0.48	23.57	<=30	Pass
		36	0	22.58	0.48	23.06	<=30	Pass
			18	22.64	0.48	23.12	<=30	Pass
			39	22.56	0.48	23.04	<=30	Pass
		75	0	22.58	0.48	23.06	<=30	Pass
16QAM	1717.5	1	0	22.61	0.48	23.09	<=30	Pass
			38	22.60	0.48	23.08	<=30	Pass
			74	22.58	0.48	23.06	<=30	Pass
		36	0	21.77	0.48	22.25	<=30	Pass
			18	21.81	0.48	22.29	<=30	Pass
			39	21.76	0.48	22.24	<=30	Pass
		75	0	21.75	0.48	22.23	<=30	Pass
	1732.5	1	0	22.42	0.48	22.90	<=30	Pass
			38	22.49	0.48	22.97	<=30	Pass
			74	22.40	0.48	22.88	<=30	Pass
		36	0	21.81	0.48	22.29	<=30	Pass
			18	21.83	0.48	22.31	<=30	Pass
			39	21.87	0.48	22.35	<=30	Pass
		75	0	21.84	0.48	22.32	<=30	Pass
	1747.5	1	0	22.69	0.48	23.17	<=30	Pass
			38	22.59	0.48	23.07	<=30	Pass
			74	22.49	0.48	22.97	<=30	Pass
		36	0	21.60	0.48	22.08	<=30	Pass
			18	21.69	0.48	22.17	<=30	Pass
			39	21.61	0.48	22.09	<=30	Pass
		75	0	21.59	0.48	22.07	<=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	RB Allocation	Conducted Power	Gain	EIRP (dBm)	Verdict

	(MHz)	Size	Offset	(dBm)	(dbi)	Result	Limit	
QPSK	1720	1	0	23.27	0.48	23.75	<=30	Pass
			50	23.24	0.48	23.72	<=30	Pass
			99	23.27	0.48	23.75	<=30	Pass
		50	0	22.84	0.48	23.32	<=30	Pass
			25	22.86	0.48	23.34	<=30	Pass
			50	22.71	0.48	23.19	<=30	Pass
		100	0	22.77	0.48	23.25	<=30	Pass
	1732.5	1	0	23.19	0.48	23.67	<=30	Pass
			50	23.31	0.48	23.79	<=30	Pass
			99	23.21	0.48	23.69	<=30	Pass
		50	0	22.87	0.48	23.35	<=30	Pass
			25	22.83	0.48	23.31	<=30	Pass
			50	22.96	0.48	23.44	<=30	Pass
		100	0	22.94	0.48	23.42	<=30	Pass
	1745	1	0	23.21	0.48	23.69	<=30	Pass
			50	23.10	0.48	23.58	<=30	Pass
			99	22.99	0.48	23.47	<=30	Pass
		50	0	22.59	0.48	23.07	<=30	Pass
			25	22.71	0.48	23.19	<=30	Pass
			50	22.58	0.48	23.06	<=30	Pass
		100	0	22.60	0.48	23.08	<=30	Pass
16QAM	1720	1	0	22.93	0.48	23.41	<=30	Pass
			50	22.90	0.48	23.38	<=30	Pass
			99	22.96	0.48	23.44	<=30	Pass
		50	0	21.83	0.48	22.31	<=30	Pass
			25	21.84	0.48	22.32	<=30	Pass
			50	21.67	0.48	22.15	<=30	Pass
		100	0	21.77	0.48	22.25	<=30	Pass
	1732.5	1	0	22.51	0.48	22.99	<=30	Pass
			50	22.52	0.48	23.00	<=30	Pass
			99	22.43	0.48	22.91	<=30	Pass
		50	0	21.86	0.48	22.34	<=30	Pass
			25	21.82	0.48	22.30	<=30	Pass
			50	21.96	0.48	22.44	<=30	Pass
		100	0	21.92	0.48	22.40	<=30	Pass
	1745	1	0	22.52	0.48	23.00	<=30	Pass
			50	22.39	0.48	22.87	<=30	Pass
			99	22.27	0.48	22.75	<=30	Pass
		50	0	21.55	0.48	22.03	<=30	Pass
			25	21.69	0.48	22.17	<=30	Pass
			50	21.58	0.48	22.06	<=30	Pass
		100	0	21.58	0.48	22.06	<=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	3.963	0.0023	-2.5 to 2.5	Pass
					3.85	0.229	0.0001	-2.5 to 2.5	Pass
					4.43	0.072	0.0000	-2.5 to 2.5	Pass
				-30	3.85	2.503	0.0015	-2.5 to 2.5	Pass
				-20	3.85	-8.240	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-0.958	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-4.320	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				30	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				40	3.85	6.194	0.0036	-2.5 to 2.5	Pass
				50	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	6.709	0.0039	-2.5 to 2.5	Pass
					3.85	3.576	0.0021	-2.5 to 2.5	Pass
					4.43	6.838	0.0039	-2.5 to 2.5	Pass
				-30	3.85	2.675	0.0015	-2.5 to 2.5	Pass
				-20	3.85	7.324	0.0042	-2.5 to 2.5	Pass
				-10	3.85	11.988	0.0069	-2.5 to 2.5	Pass
				0	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				10	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				40	3.85	8.626	0.0050	-2.5 to 2.5	Pass
				50	3.85	11.616	0.0067	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	0.114	0.0001	-2.5 to 2.5	Pass
					3.85	4.463	0.0025	-2.5 to 2.5	Pass
					4.43	-1.230	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	3.834	0.0022	-2.5 to 2.5	Pass
				-20	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				-10	3.85	5.293	0.0030	-2.5 to 2.5	Pass
				0	3.85	3.476	0.0020	-2.5 to 2.5	Pass
				10	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				30	3.85	-2.317	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-0.787	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.401	0.0002	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	6.309	0.0037	-2.5 to 2.5	Pass
					3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
					4.43	-4.191	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-4.349	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-6.180	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	4.864	0.0028	-2.5 to 2.5	Pass
				0	3.85	4.849	0.0028	-2.5 to 2.5	Pass
				10	3.85	4.292	0.0025	-2.5 to 2.5	Pass
				30	3.85	-5.407	-0.0032	-2.5 to 2.5	Pass
				40	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				50	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	9.813	0.0057	-2.5 to 2.5	Pass
					3.85	2.875	0.0017	-2.5 to 2.5	Pass
					4.43	2.689	0.0016	-2.5 to 2.5	Pass
				-30	3.85	6.452	0.0037	-2.5 to 2.5	Pass
				-20	3.85	3.233	0.0019	-2.5 to 2.5	Pass
				-10	3.85	0.930	0.0005	-2.5 to 2.5	Pass
				0	3.85	11.287	0.0065	-2.5 to 2.5	Pass
				10	3.85	6.967	0.0040	-2.5 to 2.5	Pass
				30	3.85	7.110	0.0041	-2.5 to 2.5	Pass

				40	3.85	3.405	0.0020	-2.5 to 2.5	Pass
				50	3.85	14.277	0.0082	-2.5 to 2.5	Pass
					3.27	5.736	0.0033	-2.5 to 2.5	Pass
				20	3.85	4.034	0.0023	-2.5 to 2.5	Pass
					4.43	3.161	0.0018	-2.5 to 2.5	Pass
				-30	3.85	5.422	0.0031	-2.5 to 2.5	Pass
				-20	3.85	-1.130	-0.0006	-2.5 to 2.5	Pass
	1754.3	6	0	-10	3.85	1.316	0.0008	-2.5 to 2.5	Pass
				0	3.85	5.236	0.0030	-2.5 to 2.5	Pass
				10	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				40	3.85	4.864	0.0028	-2.5 to 2.5	Pass
				50	3.85	4.978	0.0028	-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		3.27	0.772	0.0005	-2.5 to 2.5	Pass
				20	3.85	7.424	0.0043	-2.5 to 2.5	Pass
					4.43	-1.130	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	2.117	0.0012	-2.5 to 2.5	Pass
				-10	3.85	2.990	0.0017	-2.5 to 2.5	Pass
				0	3.85	3.619	0.0021	-2.5 to 2.5	Pass
				10	3.85	1.259	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				40	3.85	8.111	0.0047	-2.5 to 2.5	Pass
				50	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
	1732.5	15	0		3.27	12.560	0.0072	-2.5 to 2.5	Pass
				20	3.85	0.515	0.0003	-2.5 to 2.5	Pass
					4.43	-3.276	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	3.977	0.0023	-2.5 to 2.5	Pass
				-20	3.85	1.817	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				0	3.85	7.939	0.0046	-2.5 to 2.5	Pass
				10	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				30	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
				40	3.85	3.033	0.0018	-2.5 to 2.5	Pass
				50	3.85	4.606	0.0027	-2.5 to 2.5	Pass
	1753.5	15	0		3.27	3.190	0.0018	-2.5 to 2.5	Pass
				20	3.85	5.536	0.0032	-2.5 to 2.5	Pass
					4.43	0.215	0.0001	-2.5 to 2.5	Pass
				-30	3.85	2.861	0.0016	-2.5 to 2.5	Pass
				-20	3.85	3.033	0.0017	-2.5 to 2.5	Pass
				-10	3.85	6.595	0.0038	-2.5 to 2.5	Pass
				0	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	4.292	0.0024	-2.5 to 2.5	Pass

				40	3.85	3.648	0.0021	-2.5 to 2.5	Pass
				50	3.85	6.781	0.0039	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-2.060	-0.0012	-2.5 to 2.5	Pass
					3.85	2.832	0.0017	-2.5 to 2.5	Pass
					4.43	5.250	0.0031	-2.5 to 2.5	Pass
				-30	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	9.813	0.0057	-2.5 to 2.5	Pass
				-10	3.85	7.939	0.0046	-2.5 to 2.5	Pass
				0	3.85	4.792	0.0028	-2.5 to 2.5	Pass
				10	3.85	4.091	0.0024	-2.5 to 2.5	Pass
				30	3.85	3.104	0.0018	-2.5 to 2.5	Pass
				40	3.85	4.292	0.0025	-2.5 to 2.5	Pass
				50	3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	0.873	0.0005	-2.5 to 2.5	Pass
					3.85	3.991	0.0023	-2.5 to 2.5	Pass
					4.43	5.980	0.0035	-2.5 to 2.5	Pass
				-30	3.85	6.981	0.0040	-2.5 to 2.5	Pass
				-20	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				-10	3.85	2.317	0.0013	-2.5 to 2.5	Pass
				0	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				30	3.85	2.532	0.0015	-2.5 to 2.5	Pass
				40	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
				50	3.85	2.475	0.0014	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-0.544	-0.0003	-2.5 to 2.5	Pass
					3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
					4.43	2.589	0.0015	-2.5 to 2.5	Pass
				-30	3.85	3.705	0.0021	-2.5 to 2.5	Pass
				-20	3.85	7.310	0.0042	-2.5 to 2.5	Pass
				-10	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				30	3.85	2.890	0.0016	-2.5 to 2.5	Pass
				40	3.85	0.958	0.0005	-2.5 to 2.5	Pass
				50	3.85	-1.373	-0.0008	-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	2.589	0.0015	-2.5 to 2.5	Pass
					3.85	1.073	0.0006	-2.5 to 2.5	Pass
					4.43	1.287	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-2.832	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	1.731	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-4.263	-0.0025	-2.5 to 2.5	Pass
				0	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				10	3.85	1.631	0.0010	-2.5 to 2.5	Pass
				30	3.85	5.350	0.0031	-2.5 to 2.5	Pass

				40	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				50	3.85	0.186	0.0001	-2.5 to 2.5	Pass
					3.27	6.866	0.0040	-2.5 to 2.5	Pass
				20	3.85	5.894	0.0034	-2.5 to 2.5	Pass
					4.43	2.990	0.0017	-2.5 to 2.5	Pass
				-30	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				-20	3.85	6.537	0.0038	-2.5 to 2.5	Pass
	1732.5	25	0	-10	3.85	3.734	0.0022	-2.5 to 2.5	Pass
				0	3.85	3.390	0.0020	-2.5 to 2.5	Pass
				10	3.85	3.247	0.0019	-2.5 to 2.5	Pass
				30	3.85	1.588	0.0009	-2.5 to 2.5	Pass
				40	3.85	2.275	0.0013	-2.5 to 2.5	Pass
				50	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
					3.27	-7.896	-0.0045	-2.5 to 2.5	Pass
				20	3.85	2.947	0.0017	-2.5 to 2.5	Pass
					4.43	-0.887	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-3.662	-0.0021	-2.5 to 2.5	Pass
	1752.5	25	0	-10	3.85	4.377	0.0025	-2.5 to 2.5	Pass
				0	3.85	5.293	0.0030	-2.5 to 2.5	Pass
				10	3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-5.822	-0.0033	-2.5 to 2.5	Pass
				40	3.85	1.287	0.0007	-2.5 to 2.5	Pass
				50	3.85	1.473	0.0008	-2.5 to 2.5	Pass
					3.27	1.888	0.0011	-2.5 to 2.5	Pass
				20	3.85	0.544	0.0003	-2.5 to 2.5	Pass
					4.43	0.744	0.0004	-2.5 to 2.5	Pass
				-30	3.85	7.210	0.0042	-2.5 to 2.5	Pass
				-20	3.85	2.317	0.0014	-2.5 to 2.5	Pass
	1712.5	25	0	-10	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				10	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				30	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				40	3.85	1.459	0.0009	-2.5 to 2.5	Pass
				50	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
					3.27	3.963	0.0023	-2.5 to 2.5	Pass
				20	3.85	1.488	0.0009	-2.5 to 2.5	Pass
					4.43	-0.229	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	2.661	0.0015	-2.5 to 2.5	Pass
16QAM				-20	3.85	2.532	0.0015	-2.5 to 2.5	Pass
	1732.5	25	0	-10	3.85	4.034	0.0023	-2.5 to 2.5	Pass
				0	3.85	2.432	0.0014	-2.5 to 2.5	Pass
				10	3.85	4.506	0.0026	-2.5 to 2.5	Pass
				30	3.85	6.008	0.0035	-2.5 to 2.5	Pass
				40	3.85	3.576	0.0021	-2.5 to 2.5	Pass
				50	3.85	2.074	0.0012	-2.5 to 2.5	Pass
					3.27	-0.844	-0.0005	-2.5 to 2.5	Pass
				20	3.85	1.688	0.0010	-2.5 to 2.5	Pass
					4.43	-2.704	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
	1752.5	25	0	-20	3.85	2.532	0.0014	-2.5 to 2.5	Pass
				-10	3.85	2.418	0.0014	-2.5 to 2.5	Pass
				0	3.85	4.520	0.0026	-2.5 to 2.5	Pass
				10	3.85	-2.360	-0.0013	-2.5 to 2.5	Pass
				30	3.85	3.176	0.0018	-2.5 to 2.5	Pass

				40	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				50	3.85	-2.718	-0.0016	-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	3.476	0.0020	-2.5 to 2.5	Pass
					3.85	5.479	0.0032	-2.5 to 2.5	Pass
					4.43	2.503	0.0015	-2.5 to 2.5	Pass
				-30	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				-20	3.85	4.177	0.0024	-2.5 to 2.5	Pass
				-10	3.85	3.333	0.0019	-2.5 to 2.5	Pass
				0	3.85	3.505	0.0020	-2.5 to 2.5	Pass
				10	3.85	3.161	0.0018	-2.5 to 2.5	Pass
				30	3.85	2.575	0.0015	-2.5 to 2.5	Pass
				40	3.85	3.748	0.0022	-2.5 to 2.5	Pass
				50	3.85	4.892	0.0029	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-2.217	-0.0013	-2.5 to 2.5	Pass
					3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
					4.43	-1.087	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-2.332	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	3.991	0.0023	-2.5 to 2.5	Pass
					3.85	1.373	0.0008	-2.5 to 2.5	Pass
					4.43	-1.845	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	2.360	0.0013	-2.5 to 2.5	Pass
				0	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				30	3.85	2.789	0.0016	-2.5 to 2.5	Pass
				40	3.85	2.789	0.0016	-2.5 to 2.5	Pass
				50	3.85	1.259	0.0007	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	0.072	0.0000	-2.5 to 2.5	Pass
					3.85	3.848	0.0022	-2.5 to 2.5	Pass
					4.43	4.191	0.0024	-2.5 to 2.5	Pass
				-30	3.85	1.659	0.0010	-2.5 to 2.5	Pass
				-20	3.85	3.777	0.0022	-2.5 to 2.5	Pass
				-10	3.85	1.774	0.0010	-2.5 to 2.5	Pass
				0	3.85	4.435	0.0026	-2.5 to 2.5	Pass
				10	3.85	3.090	0.0018	-2.5 to 2.5	Pass
				30	3.85	5.465	0.0032	-2.5 to 2.5	Pass

				40	3.85	4.864	0.0028	-2.5 to 2.5	Pass
				50	3.85	3.562	0.0021	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-3.190	-0.0018	-2.5 to 2.5	Pass
					3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
					4.43	-1.073	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				50	3.85	1.731	0.0010	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-0.215	-0.0001	-2.5 to 2.5	Pass
					3.85	0.114	0.0001	-2.5 to 2.5	Pass
					4.43	2.360	0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				0	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				40	3.85	1.802	0.0010	-2.5 to 2.5	Pass
				50	3.85	0.644	0.0004	-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	-0.758	-0.0004	-2.5 to 2.5	Pass
					3.85	0.658	0.0004	-2.5 to 2.5	Pass
					4.43	2.275	0.0013	-2.5 to 2.5	Pass
				-30	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				-20	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.844	0.0005	-2.5 to 2.5	Pass
				0	3.85	2.346	0.0014	-2.5 to 2.5	Pass
				10	3.85	1.774	0.0010	-2.5 to 2.5	Pass
				30	3.85	1.574	0.0009	-2.5 to 2.5	Pass
				40	3.85	3.219	0.0019	-2.5 to 2.5	Pass
				50	3.85	2.632	0.0015	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-1.945	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
					4.43	1.016	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-3.004	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				0	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				10	3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-2.861	-0.0017	-2.5 to 2.5	Pass

				40	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.143	0.0001	-2.5 to 2.5	Pass
					3.27	2.332	0.0013	-2.5 to 2.5	Pass
				20	3.85	4.478	0.0026	-2.5 to 2.5	Pass
					4.43	0.644	0.0004	-2.5 to 2.5	Pass
				-30	3.85	2.017	0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.958	0.0005	-2.5 to 2.5	Pass
	1747.5	75	0	-10	3.85	2.017	0.0012	-2.5 to 2.5	Pass
				0	3.85	3.533	0.0020	-2.5 to 2.5	Pass
				10	3.85	2.875	0.0016	-2.5 to 2.5	Pass
				30	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				40	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				50	3.85	1.459	0.0008	-2.5 to 2.5	Pass
					3.27	1.287	0.0007	-2.5 to 2.5	Pass
				20	3.85	0.644	0.0004	-2.5 to 2.5	Pass
					4.43	3.004	0.0017	-2.5 to 2.5	Pass
				-30	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
	1717.5	75	0	-10	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				0	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				10	3.85	2.546	0.0015	-2.5 to 2.5	Pass
				30	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				40	3.85	1.659	0.0010	-2.5 to 2.5	Pass
				50	3.85	2.804	0.0016	-2.5 to 2.5	Pass
					3.27	-0.029	0.0000	-2.5 to 2.5	Pass
				20	3.85	-2.675	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.116	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
16QAM	1732.5	75	0	-10	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				30	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				50	3.85	0.043	0.0000	-2.5 to 2.5	Pass
					3.27	4.678	0.0027	-2.5 to 2.5	Pass
				20	3.85	2.918	0.0017	-2.5 to 2.5	Pass
					4.43	3.734	0.0021	-2.5 to 2.5	Pass
				-30	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				-20	3.85	3.433	0.0020	-2.5 to 2.5	Pass
	1747.5	75	0	-10	3.85	3.591	0.0021	-2.5 to 2.5	Pass
				0	3.85	2.017	0.0012	-2.5 to 2.5	Pass
				10	3.85	4.549	0.0026	-2.5 to 2.5	Pass
				30	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				40	3.85	4.463	0.0026	-2.5 to 2.5	Pass
				50	3.85	4.678	0.0027	-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	3.433	0.0020	-2.5 to 2.5	Pass
					3.85	2.875	0.0017	-2.5 to 2.5	Pass
					4.43	-0.801	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.930	0.0005	-2.5 to 2.5	Pass
				-20	3.85	2.704	0.0016	-2.5 to 2.5	Pass
				-10	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				0	3.85	3.805	0.0022	-2.5 to 2.5	Pass
				10	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				30	3.85	2.260	0.0013	-2.5 to 2.5	Pass
				40	3.85	3.405	0.0020	-2.5 to 2.5	Pass
				50	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-1.860	-0.0011	-2.5 to 2.5	Pass
					3.85	0.758	0.0004	-2.5 to 2.5	Pass
					4.43	-2.074	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				-20	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				-10	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				10	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				30	3.85	1.888	0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-2.775	-0.0016	-2.5 to 2.5	Pass
					3.85	1.044	0.0006	-2.5 to 2.5	Pass
					4.43	-0.501	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass
				10	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				30	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-0.186	-0.0001	-2.5 to 2.5	Pass
					3.85	1.259	0.0007	-2.5 to 2.5	Pass
					4.43	0.916	0.0005	-2.5 to 2.5	Pass
				-30	3.85	3.448	0.0020	-2.5 to 2.5	Pass
				-20	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				0	3.85	1.945	0.0011	-2.5 to 2.5	Pass
				10	3.85	3.963	0.0023	-2.5 to 2.5	Pass
				30	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				40	3.85	2.475	0.0014	-2.5 to 2.5	Pass
				50	3.85	1.960	0.0011	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	1.116	0.0006	-2.5 to 2.5	Pass
					3.85	0.000	0.0000	-2.5 to 2.5	Pass
					4.43	-0.458	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				-20	3.85	2.804	0.0016	-2.5 to 2.5	Pass
				-10	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				0	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				30	3.85	2.818	0.0016	-2.5 to 2.5	Pass

				40	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				50	3.85	1.216	0.0007	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	0.758	0.0004	-2.5 to 2.5	Pass
					3.85	0.615	0.0004	-2.5 to 2.5	Pass
					4.43	-0.758	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	3.061	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				0	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				10	3.85	1.988	0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				40	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				50	3.85	2.489	0.0014	-2.5 to 2.5	Pass

3. Modulation Characteristics

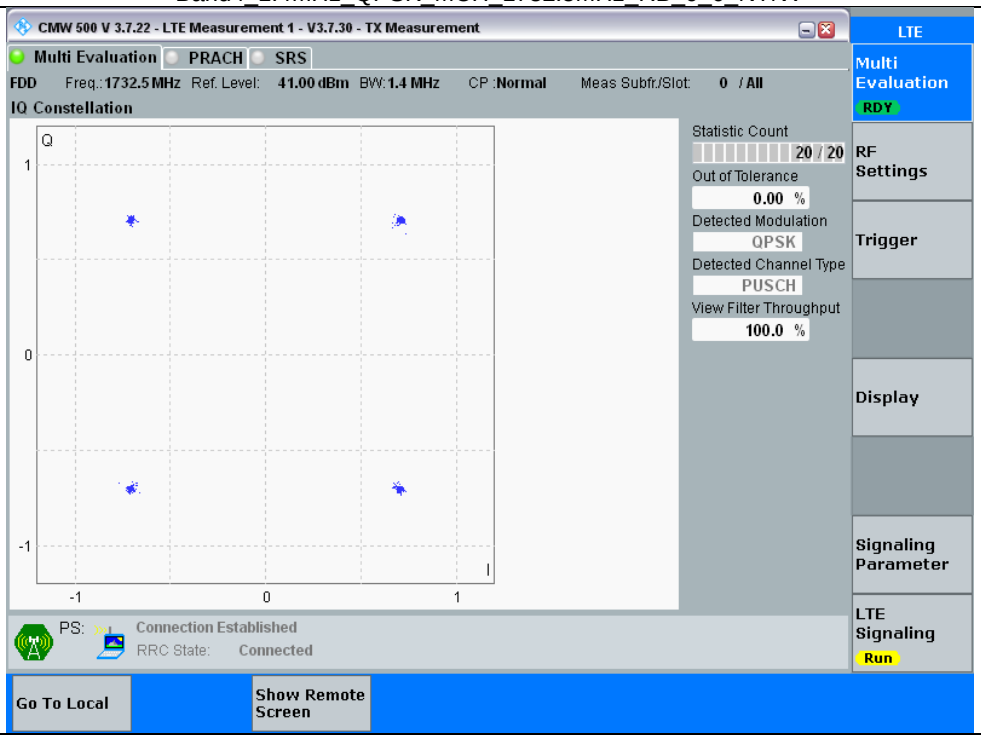
3.1 B4_1.4MHz

3.1.1 Test Result

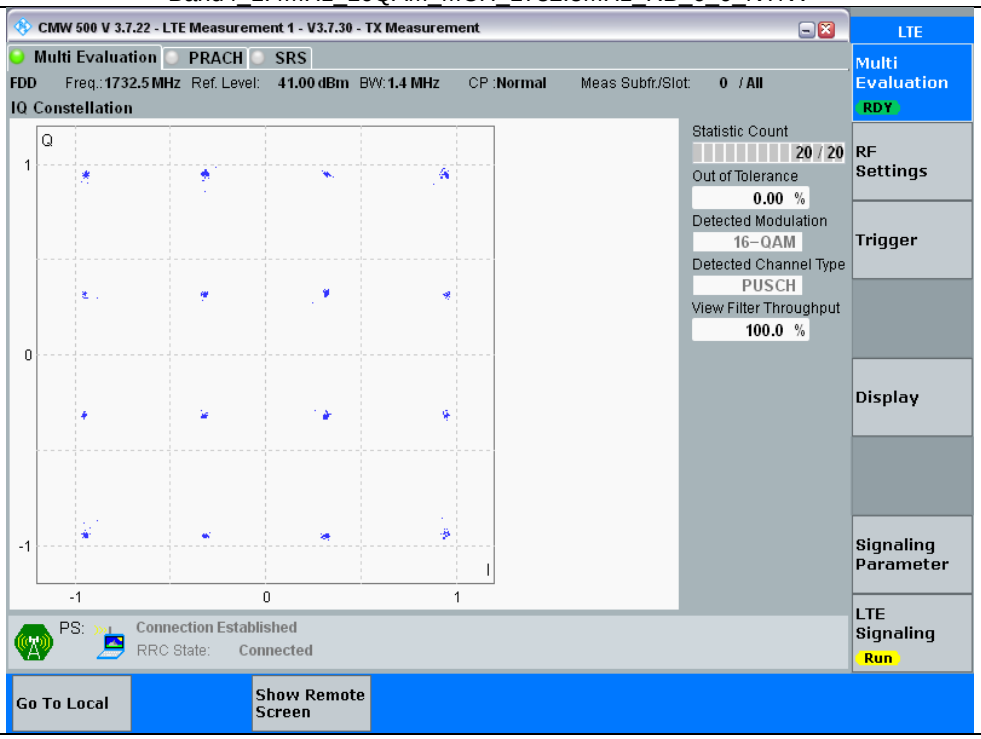
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



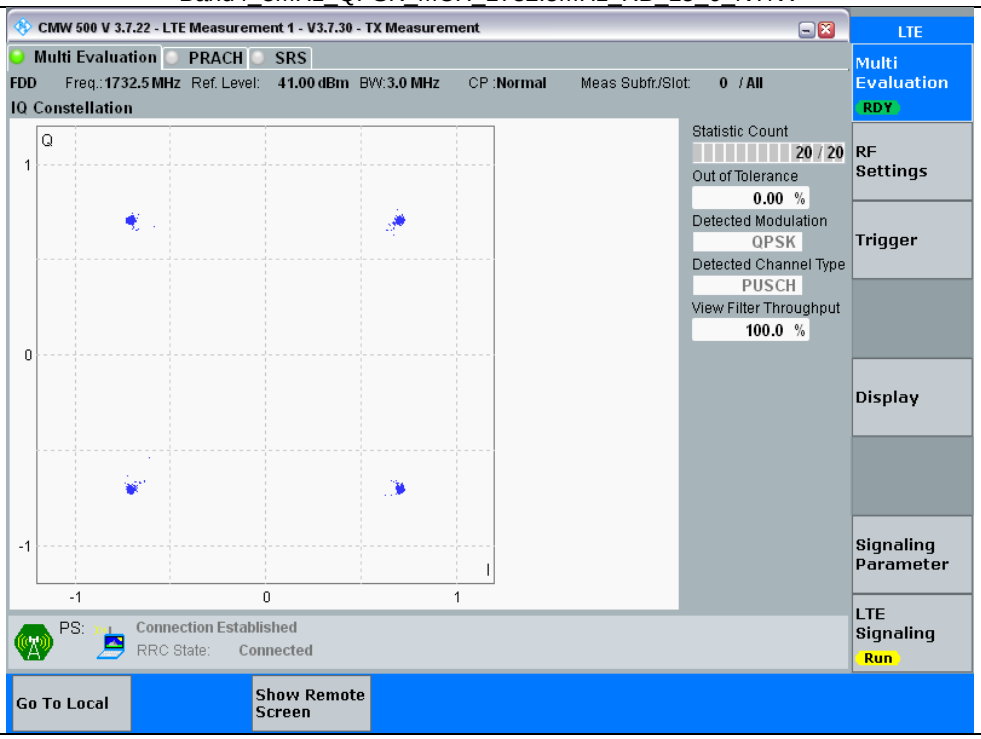
3.2 B4_3MHz

3.2.1 Test Result

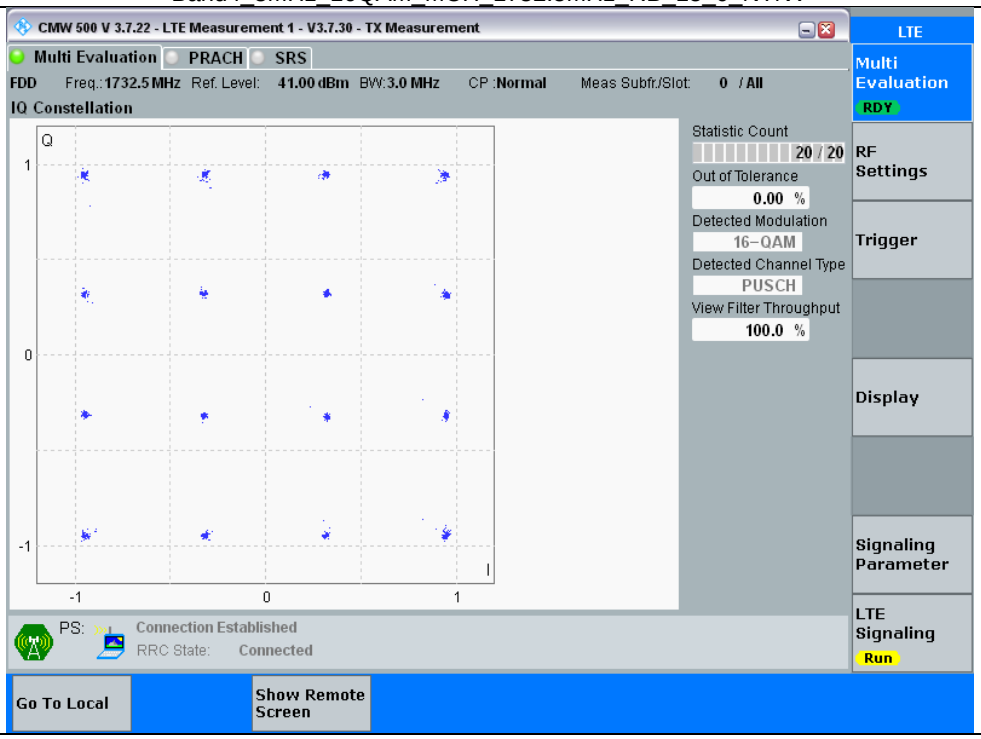
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



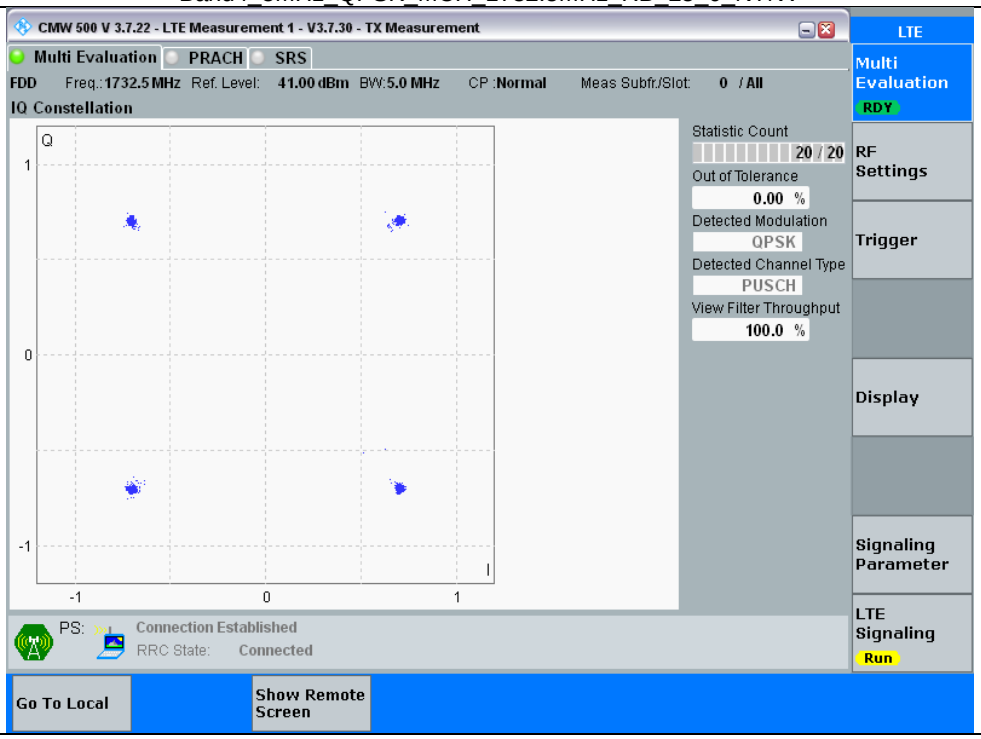
3.3 B4_5MHz

3.3.1 Test Result

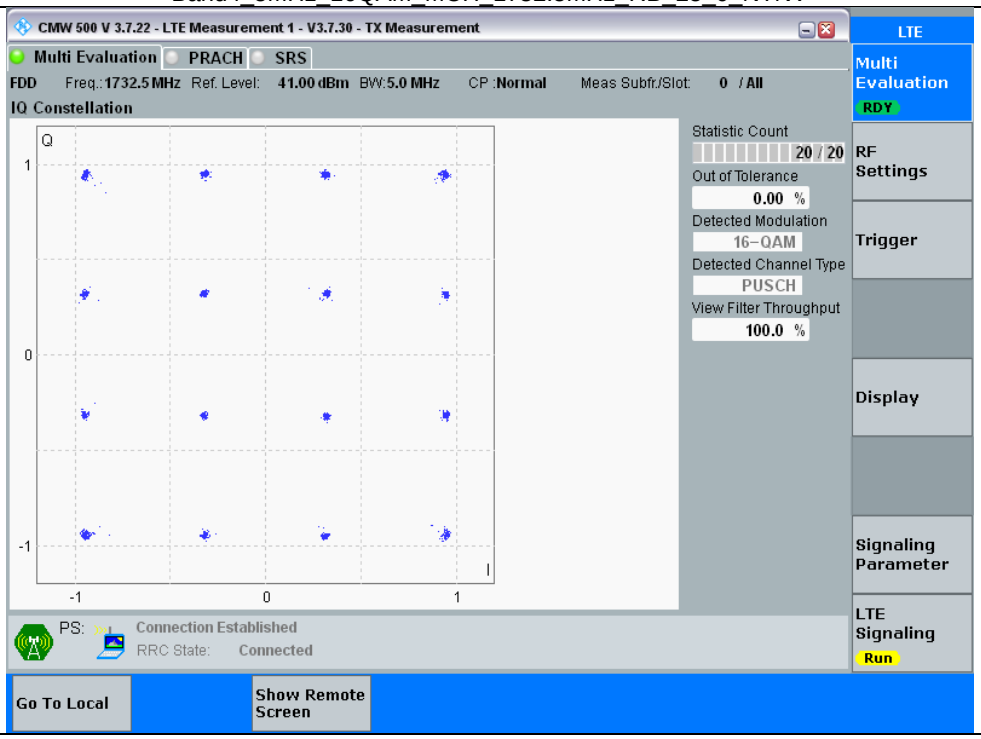
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



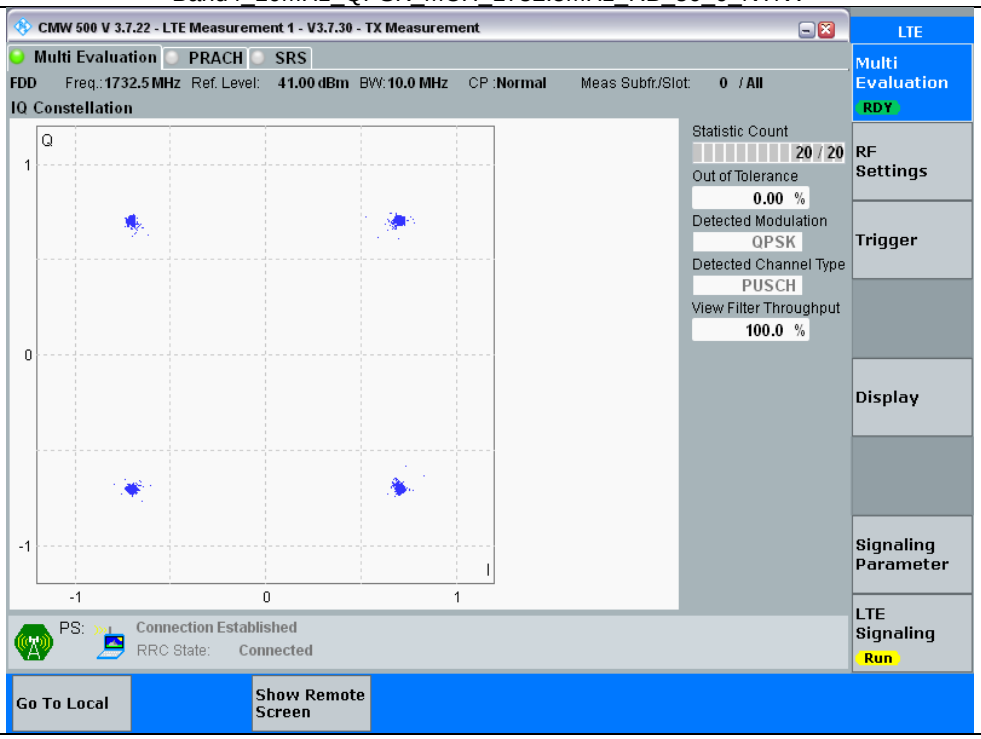
3.4 B4_10MHz

3.4.1 Test Result

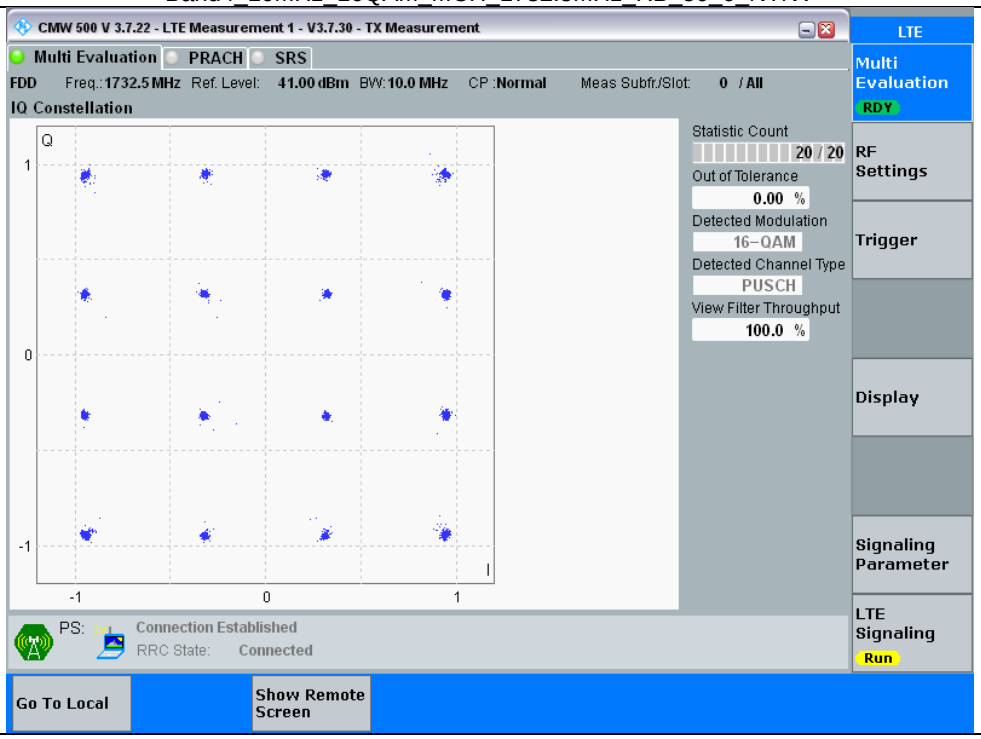
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



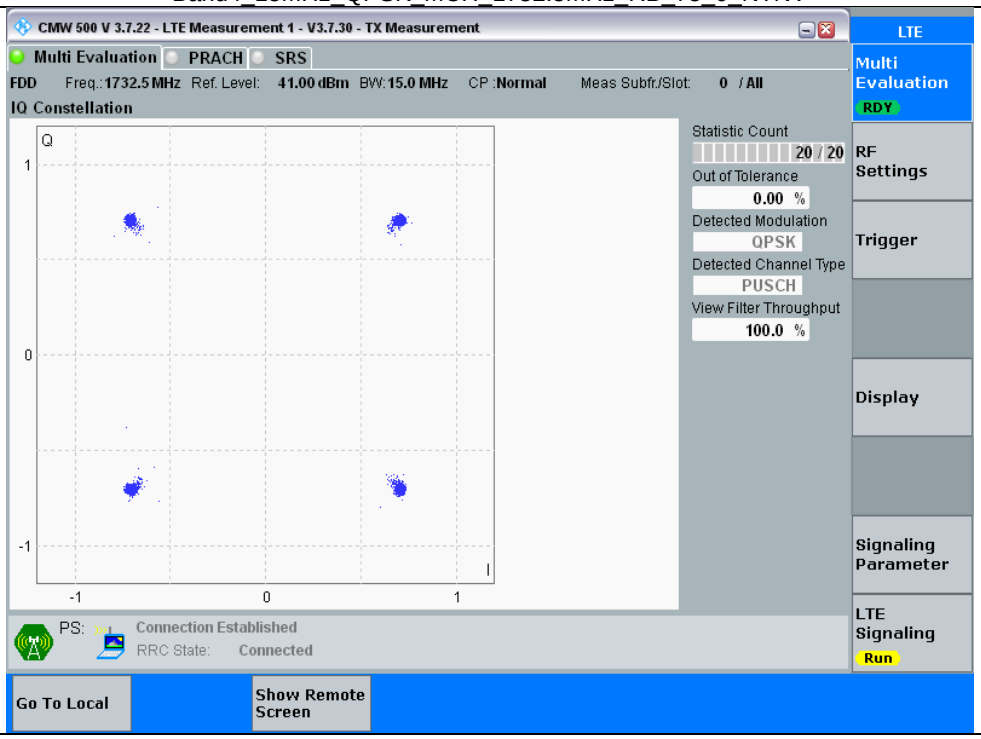
3.5 B4_15MHz

3.5.1 Test Result

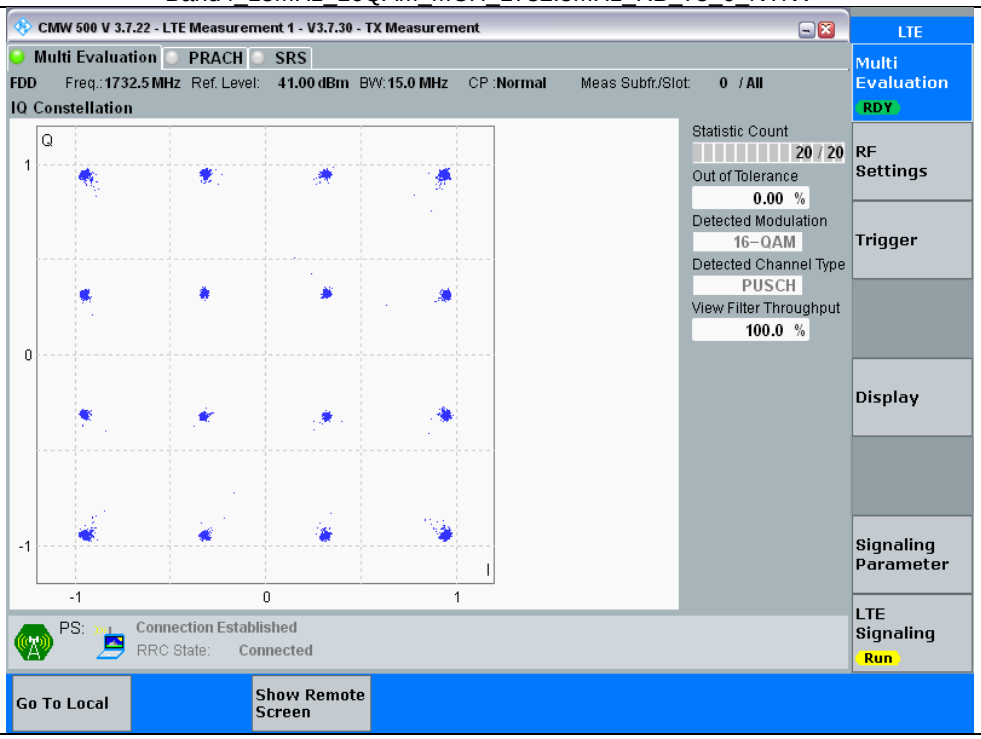
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.5.2 Test Graph

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



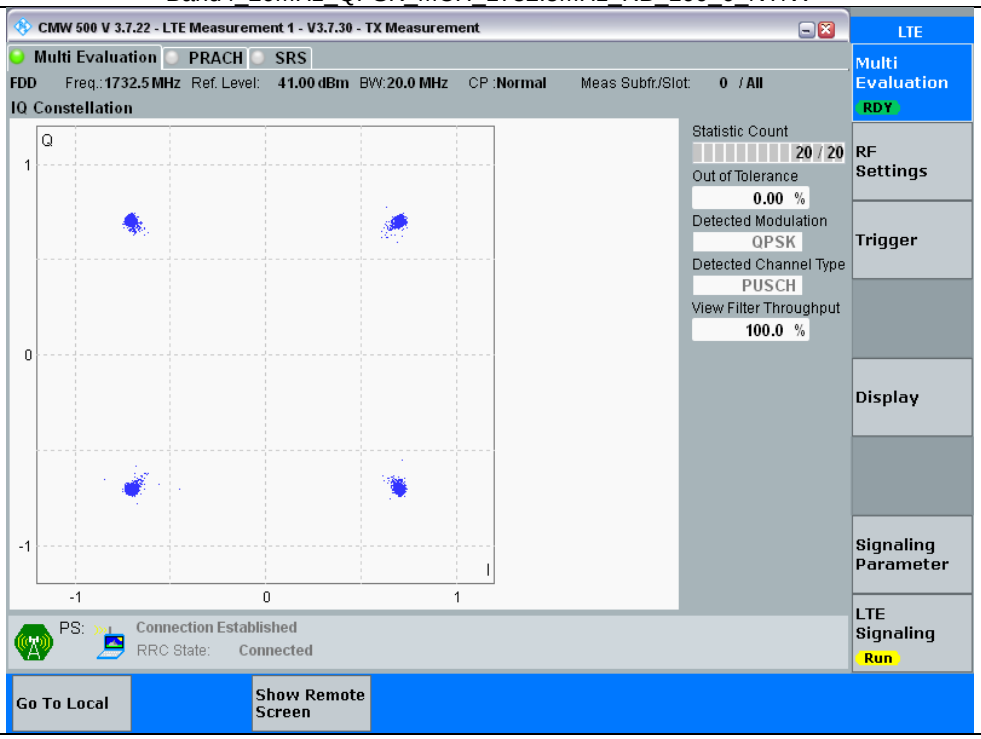
3.6 B4_20MHz

3.6.1 Test Result

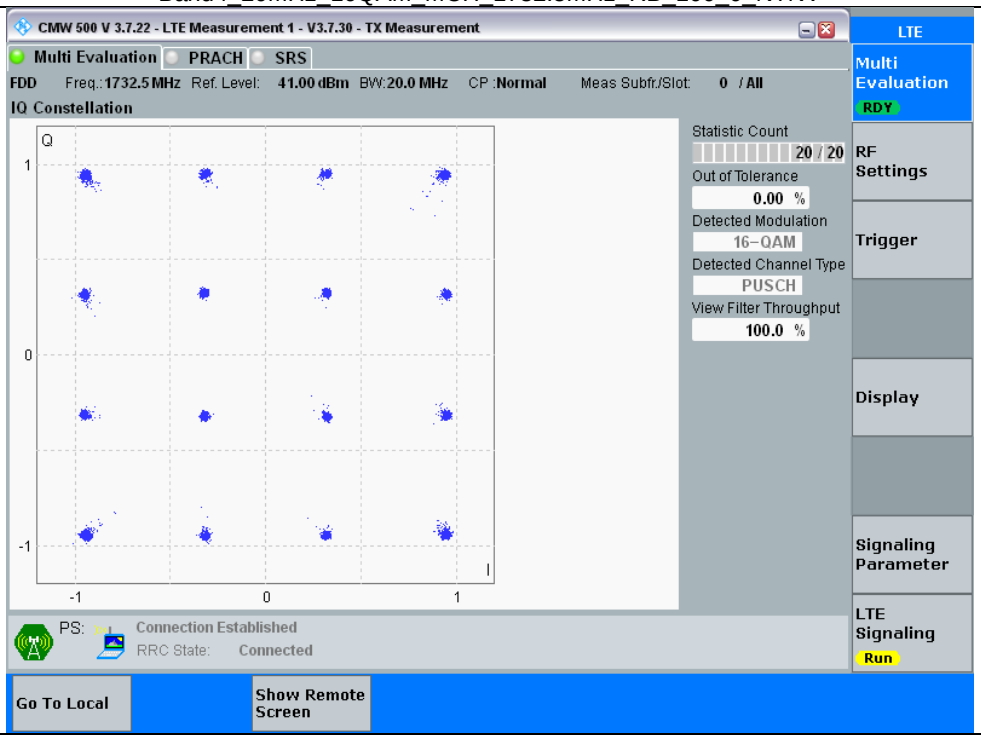
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.6.2 Test Graph

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



4. 99% & 26dB Bandwidth

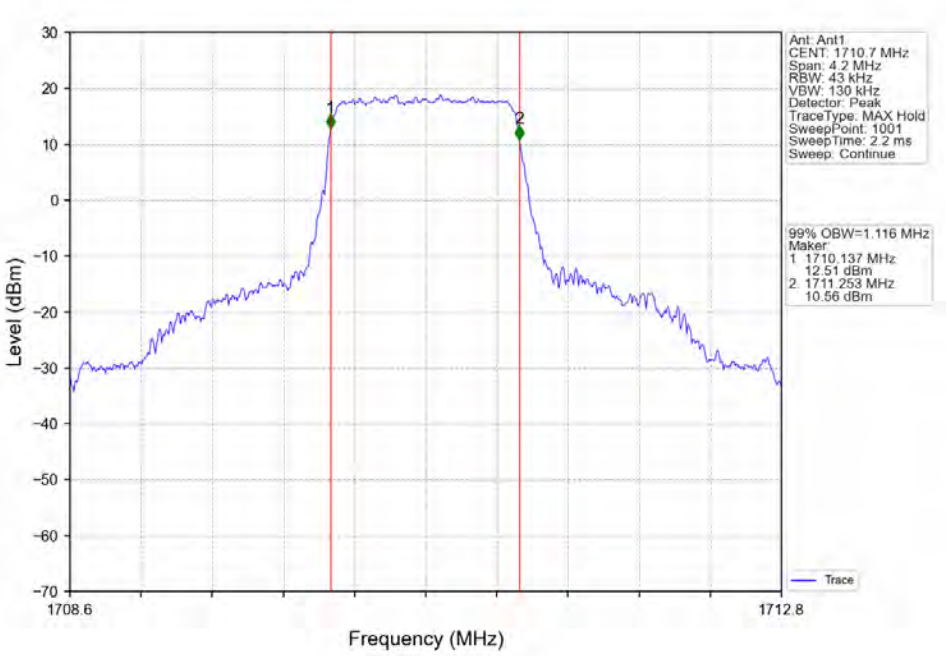
4.1 Band4_OBW

4.1.1 Test Result

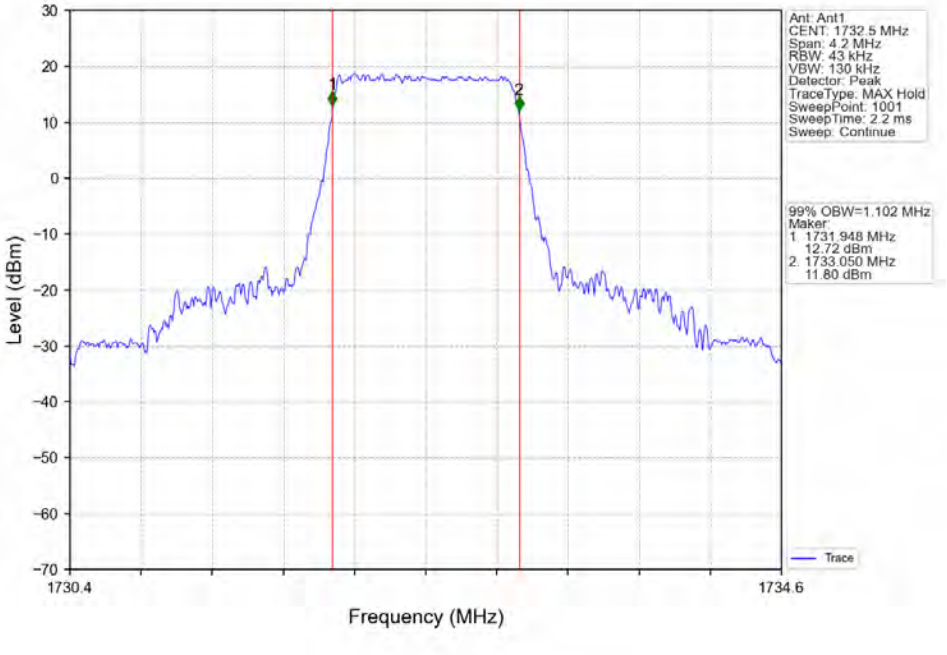
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.116	Pass
		1732.5	6	0	1.102	Pass
		1754.3	6	0	1.114	Pass
	16QAM	1710.7	6	0	1.115	Pass
		1732.5	6	0	1.108	Pass
		1754.3	6	0	1.120	Pass
3	QPSK	1711.5	15	0	2.737	Pass
		1732.5	15	0	2.735	Pass
		1753.5	15	0	2.744	Pass
	16QAM	1711.5	15	0	2.727	Pass
		1732.5	15	0	2.724	Pass
		1753.5	15	0	2.736	Pass
5	QPSK	1712.5	25	0	4.550	Pass
		1732.5	25	0	4.545	Pass
		1752.5	25	0	4.550	Pass
	16QAM	1712.5	25	0	4.560	Pass
		1732.5	25	0	4.556	Pass
		1752.5	25	0	4.550	Pass
10	QPSK	1715	50	0	9.072	Pass
		1732.5	50	0	9.044	Pass
		1750	50	0	9.038	Pass
	16QAM	1715	50	0	9.048	Pass
		1732.5	50	0	9.064	Pass
		1750	50	0	9.062	Pass
15	QPSK	1717.5	75	0	13.595	Pass
		1732.5	75	0	13.591	Pass
		1747.5	75	0	13.564	Pass
	16QAM	1717.5	75	0	13.579	Pass
		1732.5	75	0	13.628	Pass
		1747.5	75	0	13.560	Pass
20	QPSK	1720	100	0	18.082	Pass
		1732.5	100	0	18.178	Pass
		1745	100	0	18.079	Pass
	16QAM	1720	100	0	18.108	Pass
		1732.5	100	0	18.144	Pass
		1745	100	0	18.035	Pass

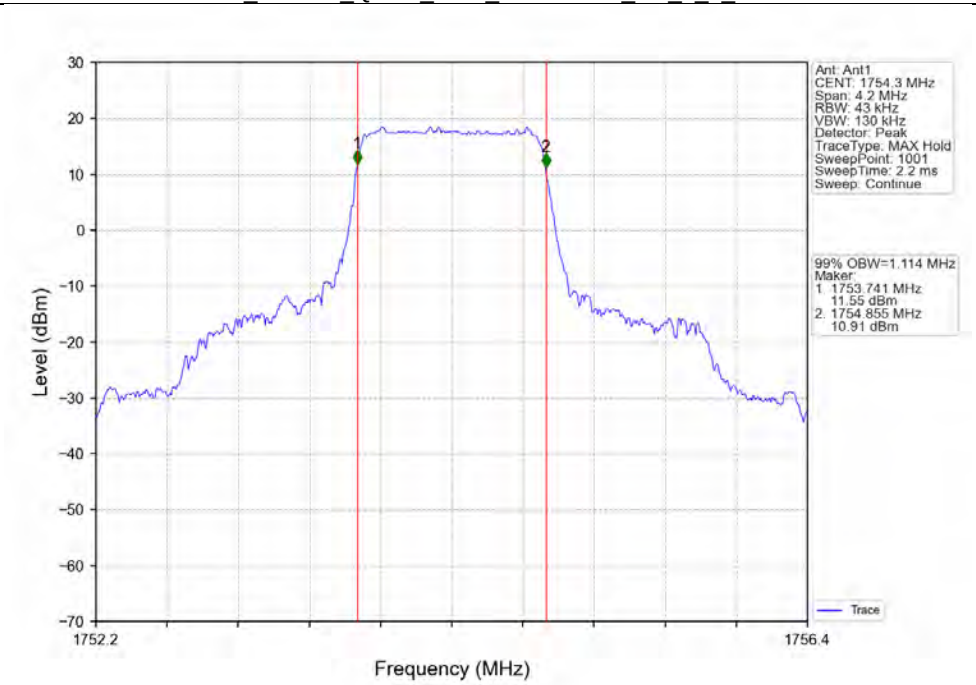
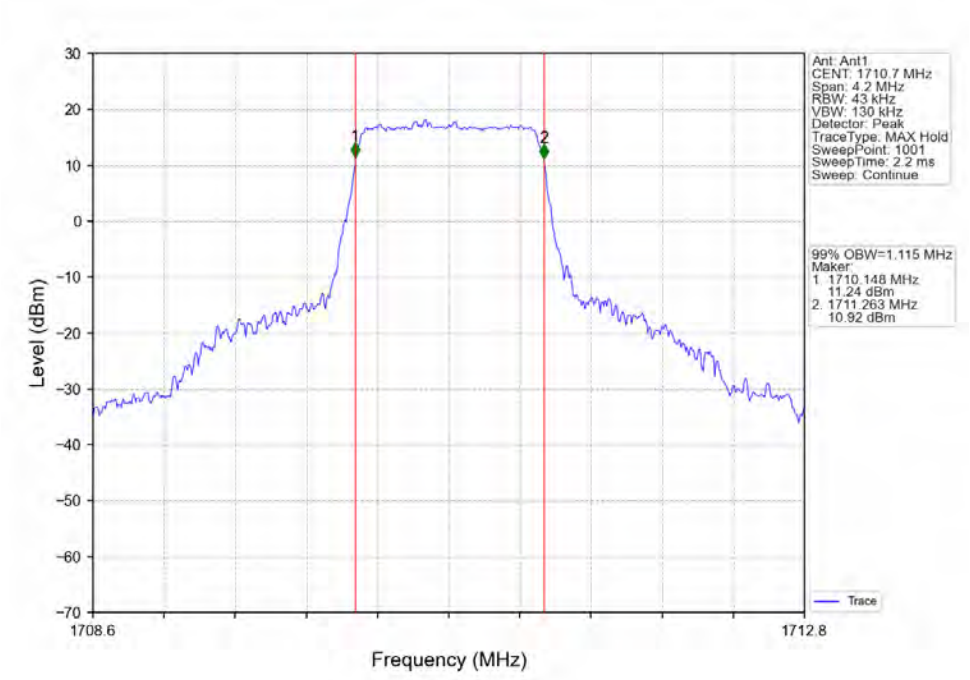
4.1.2 Test Graph

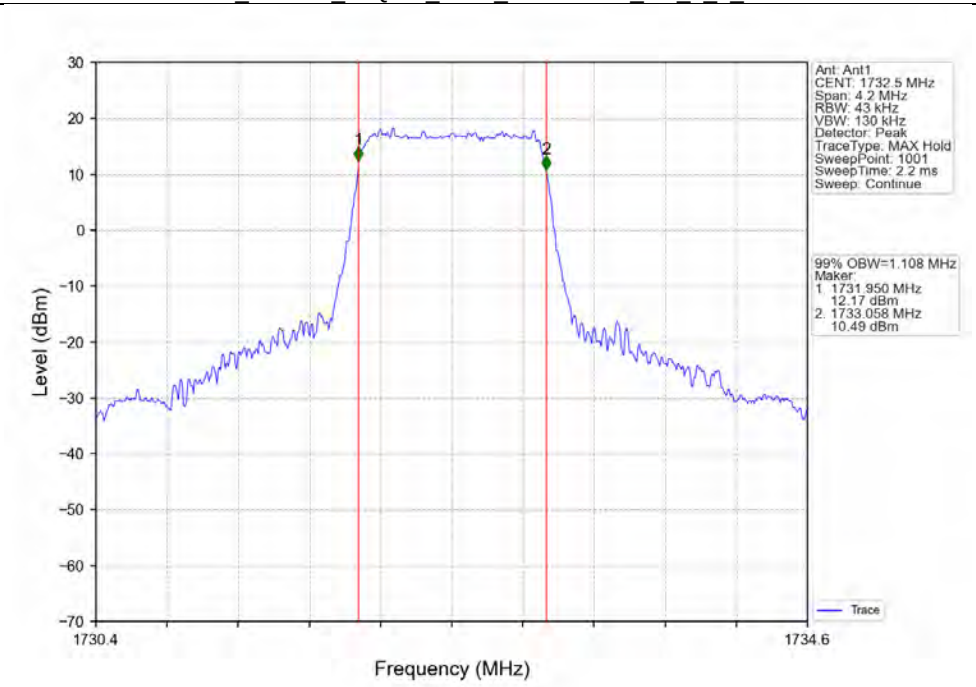
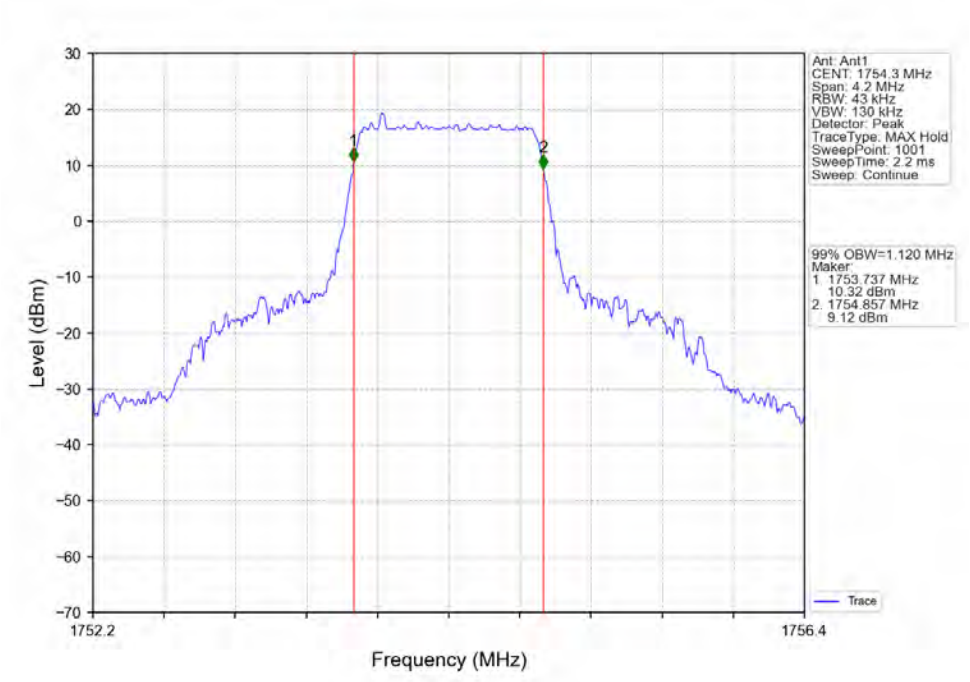
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



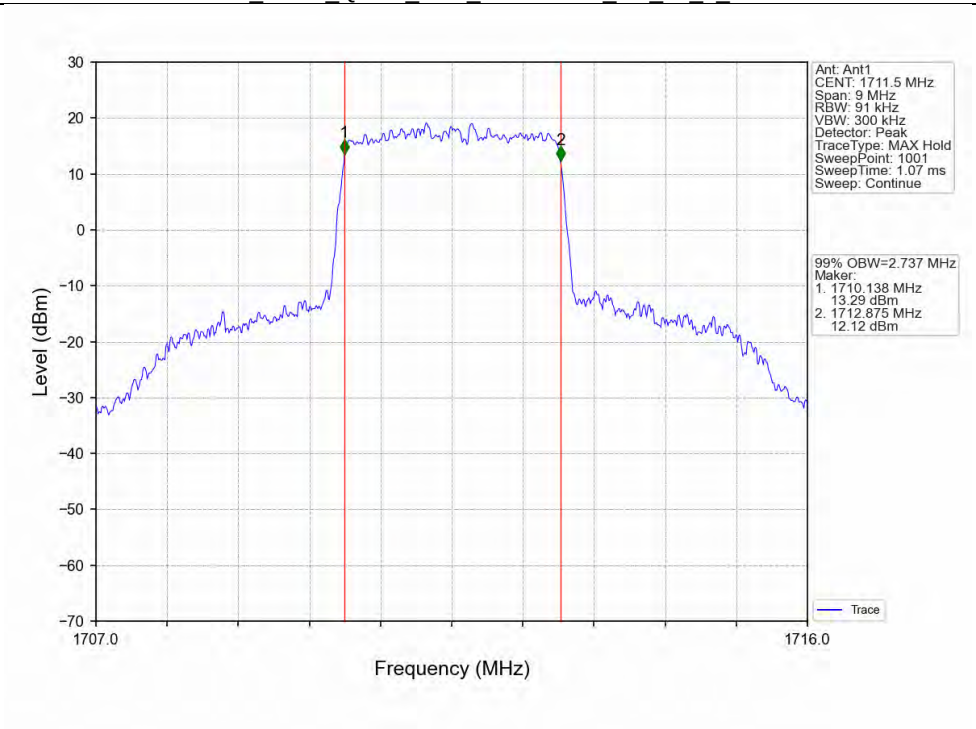
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



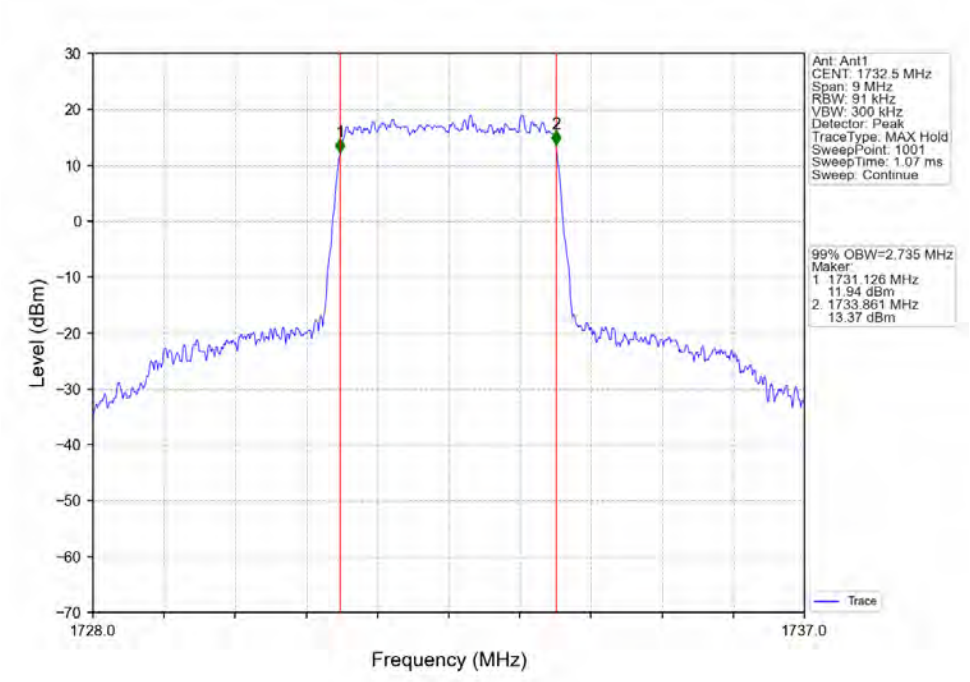
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV


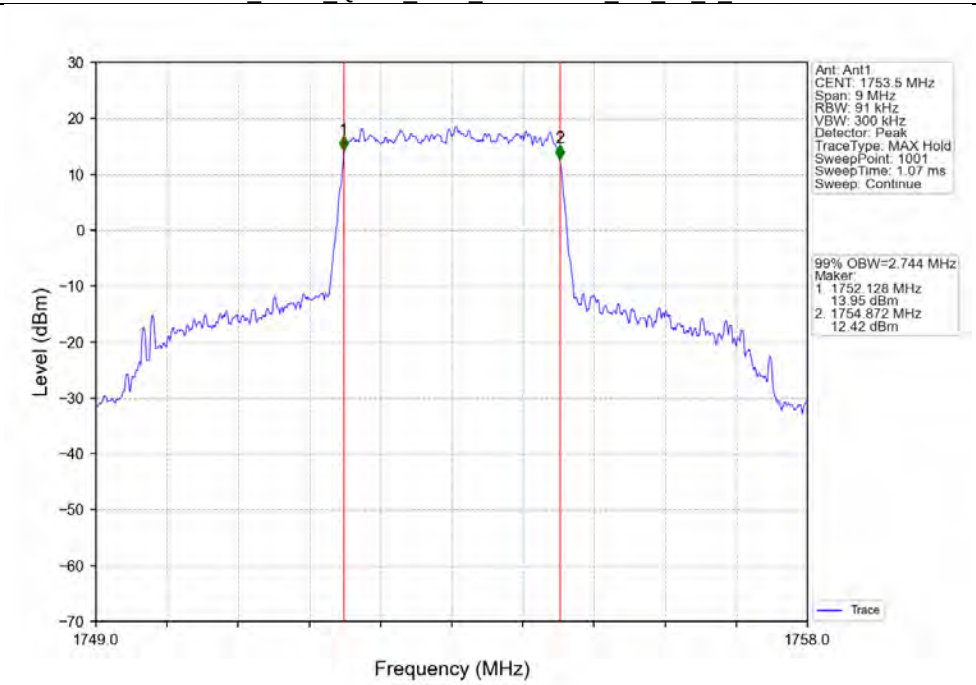
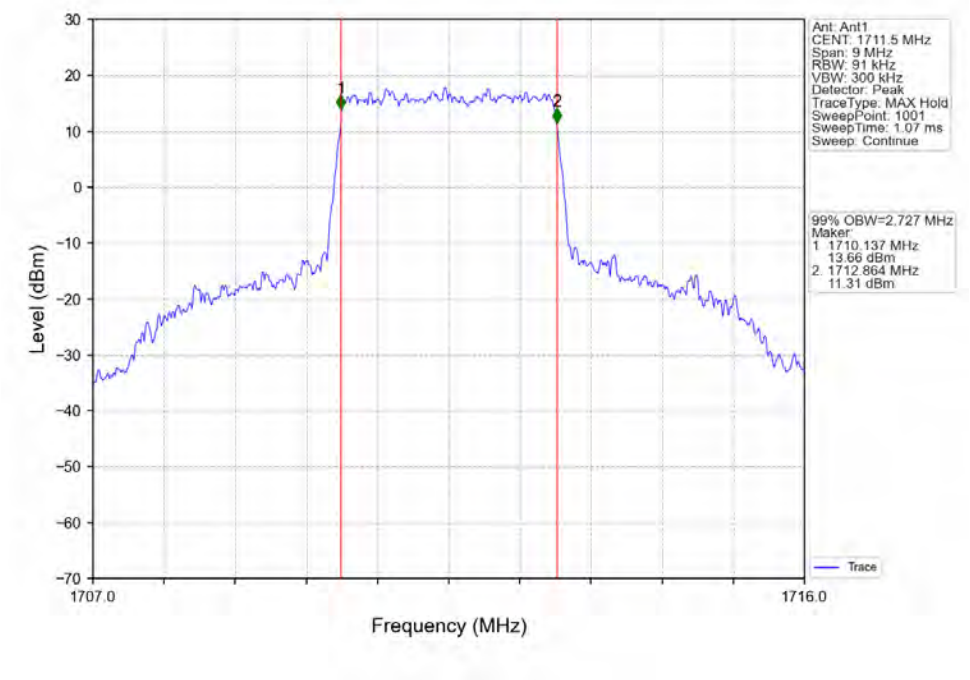
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV


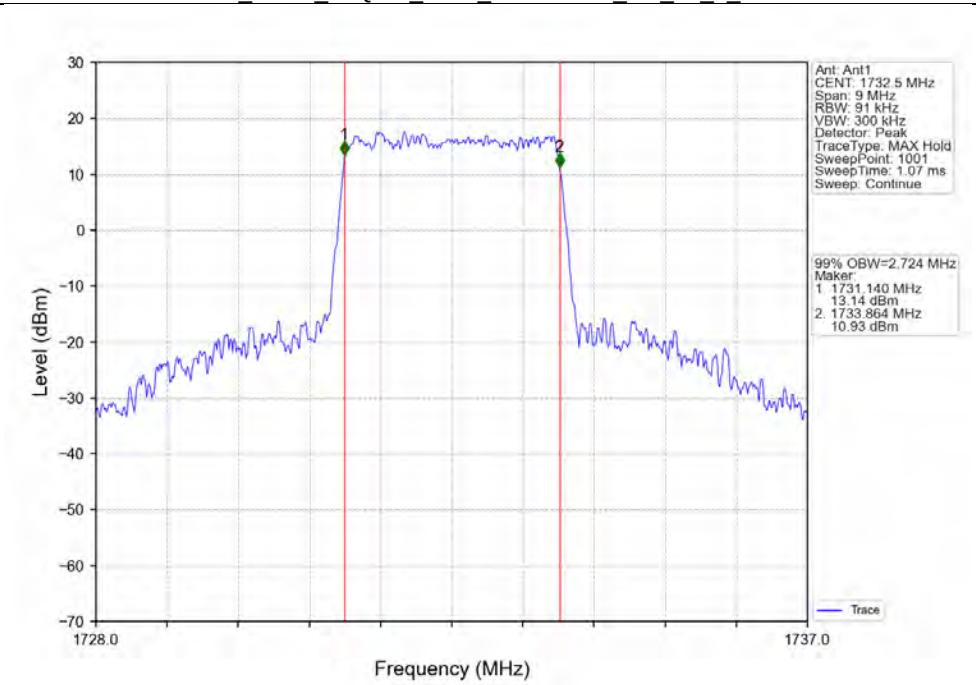
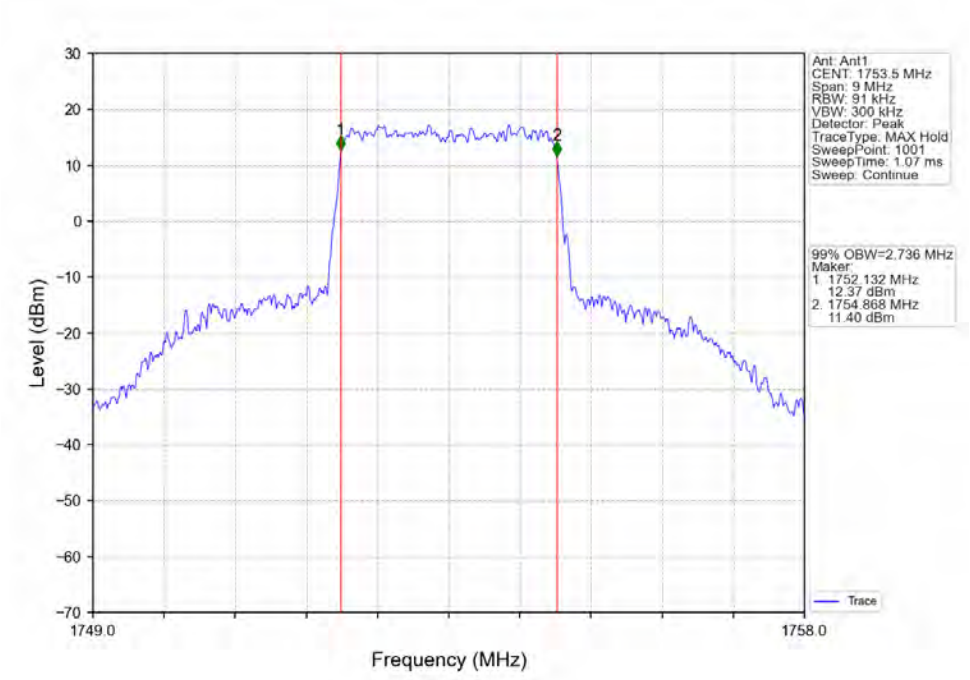
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

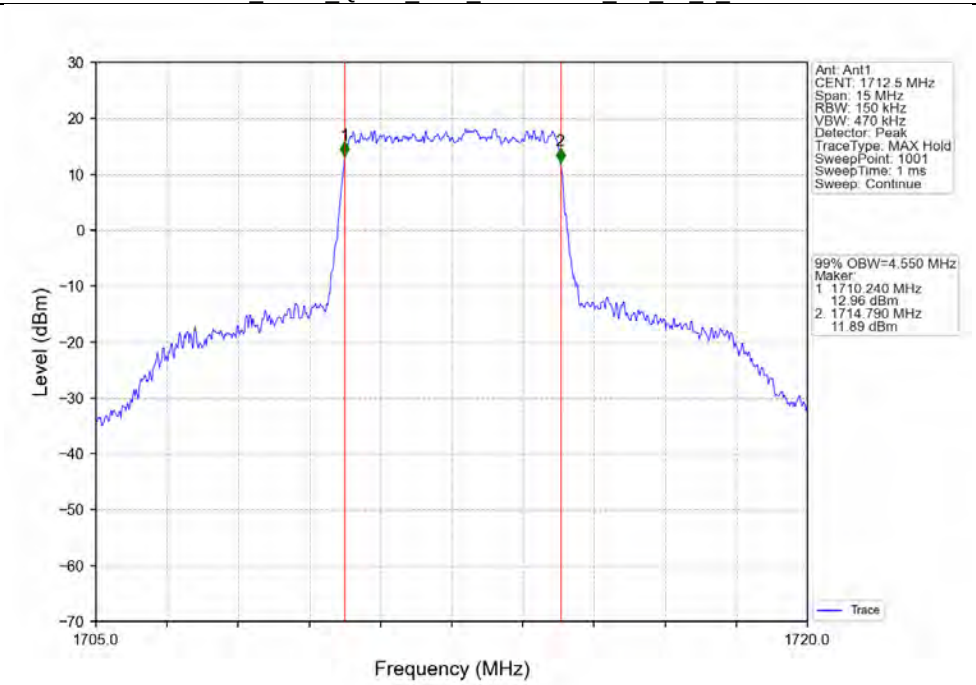
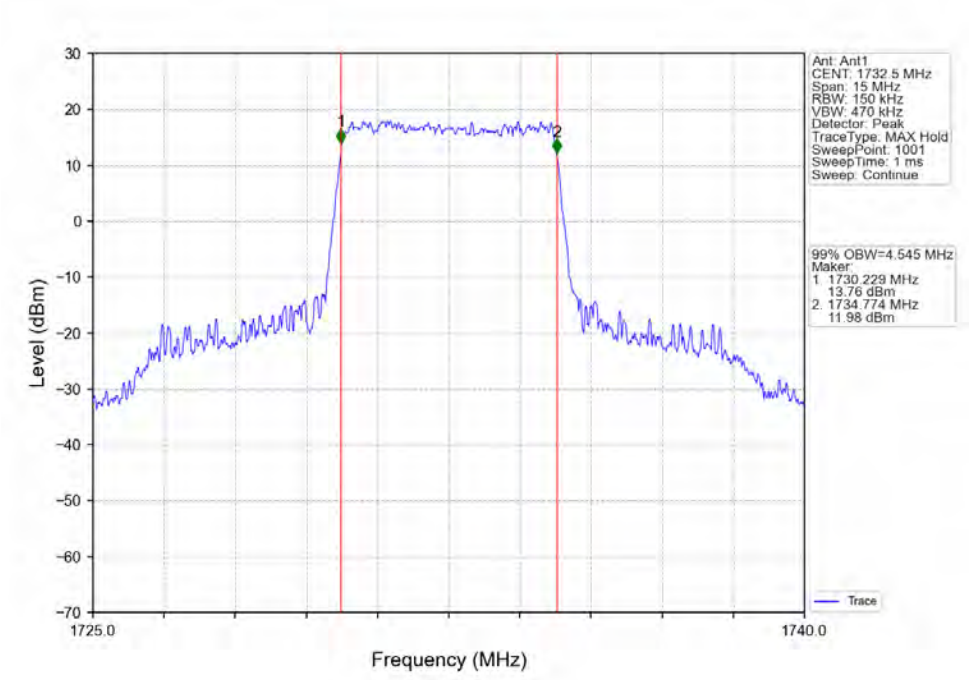


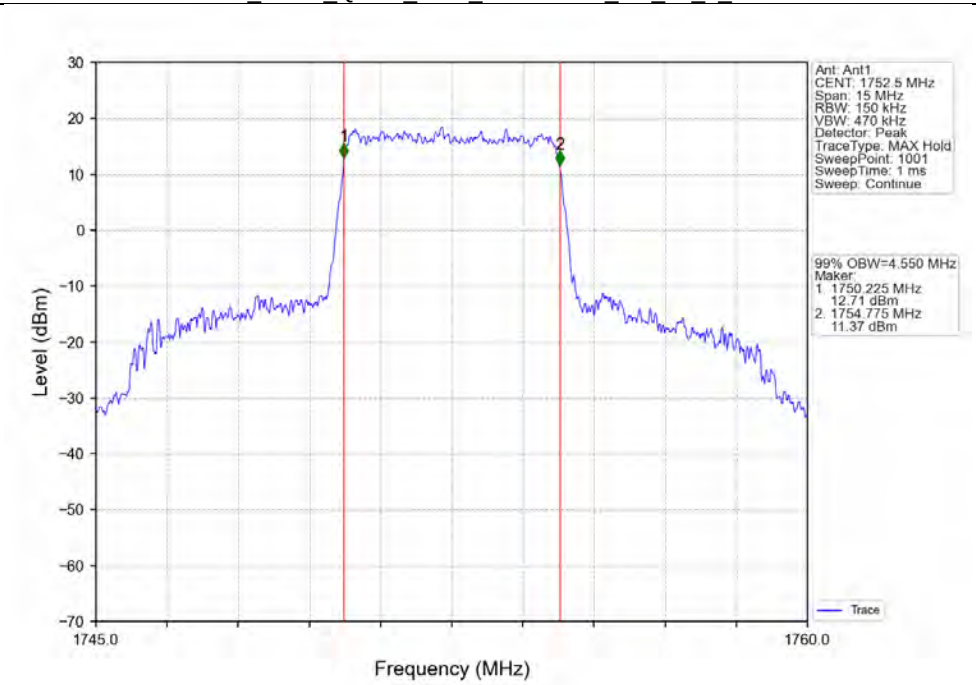
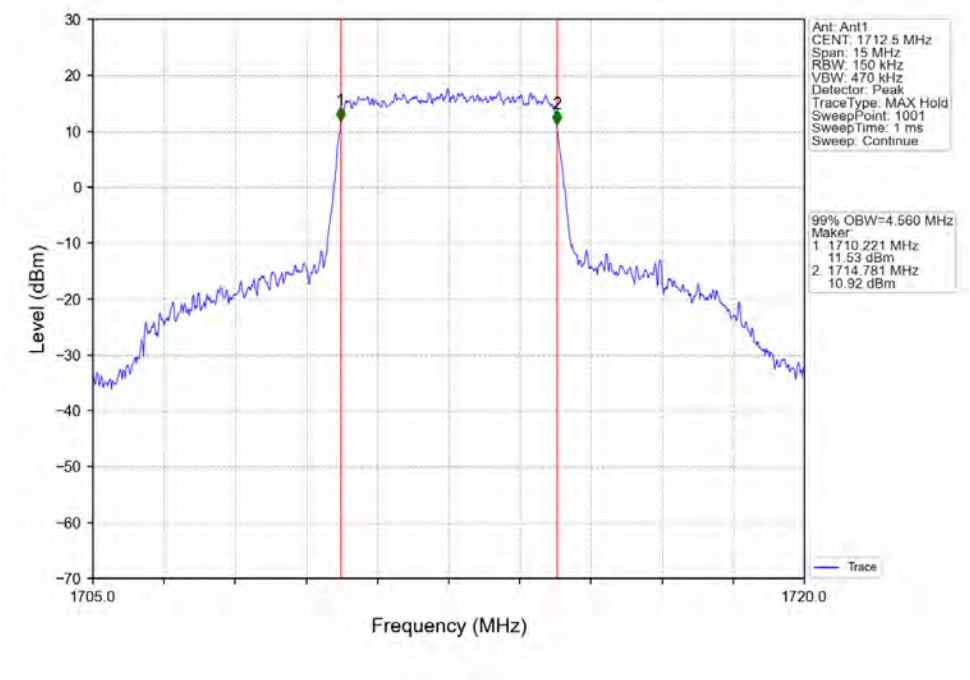
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

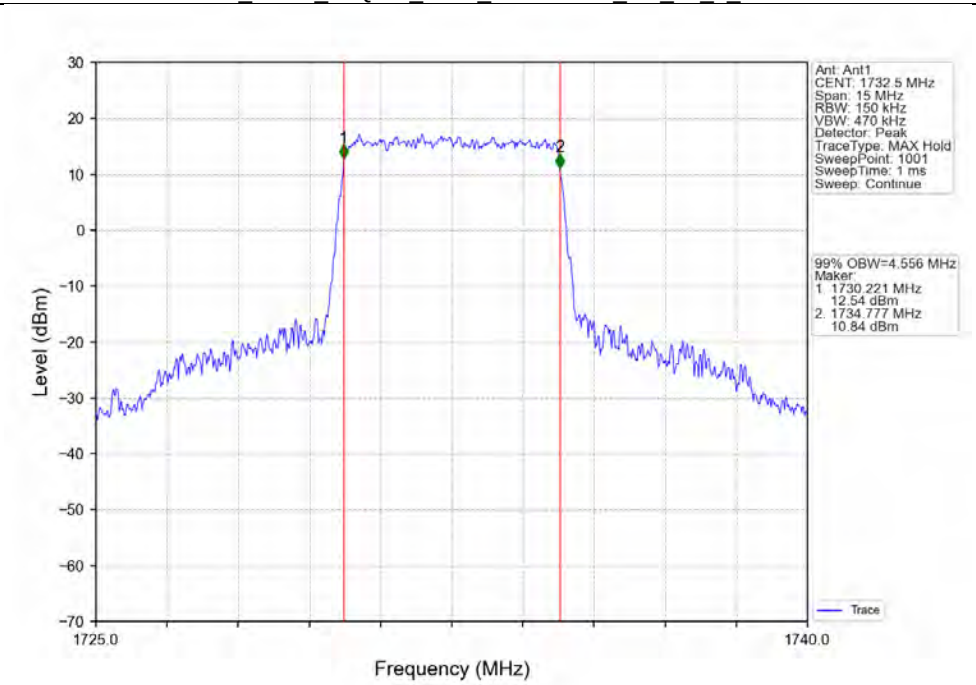
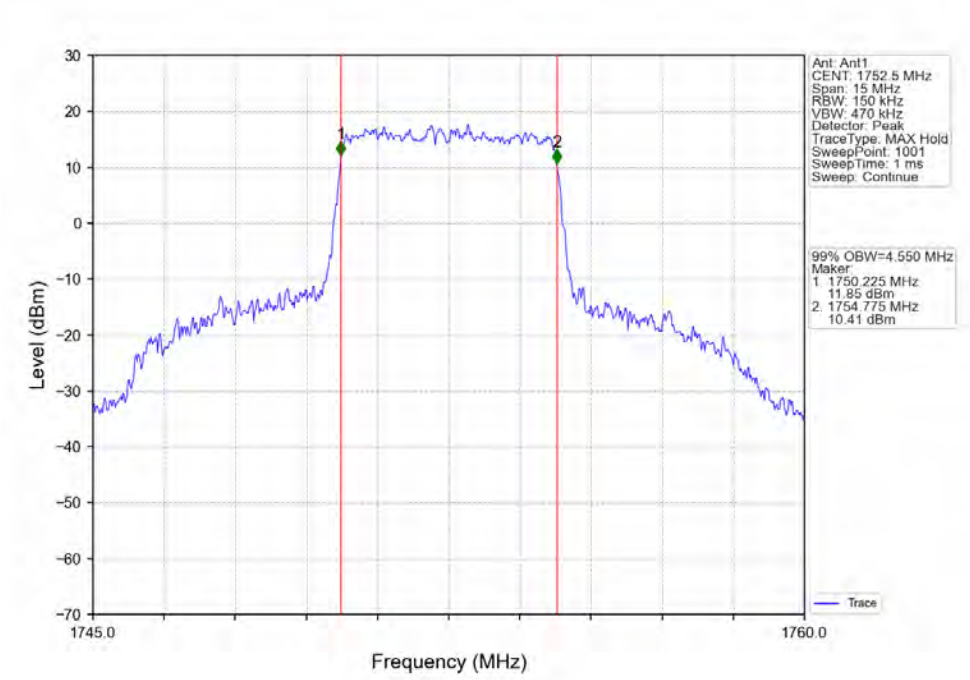


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV


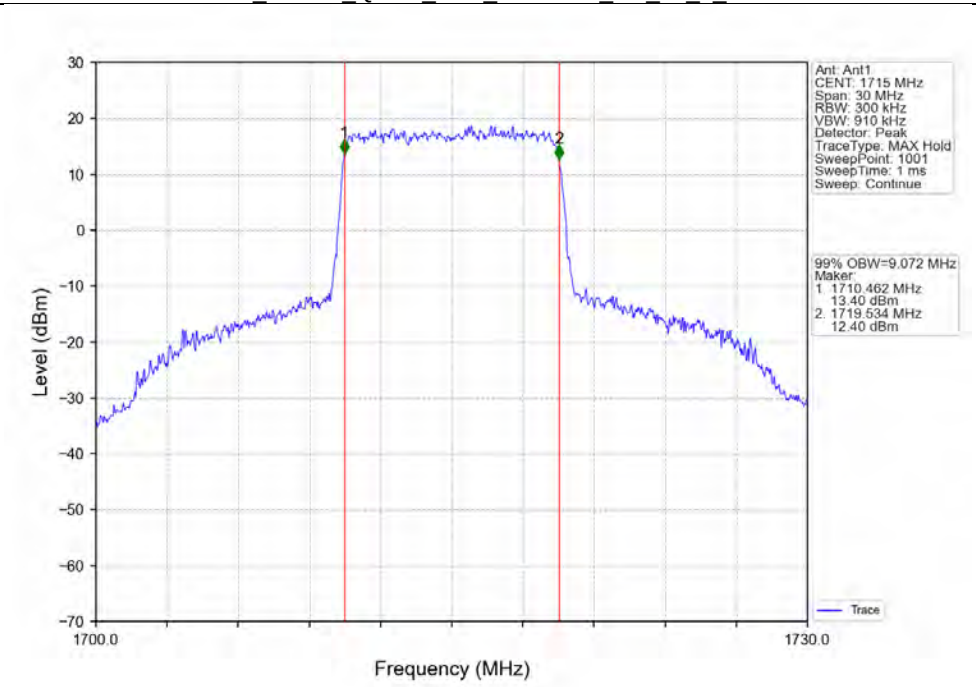
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV


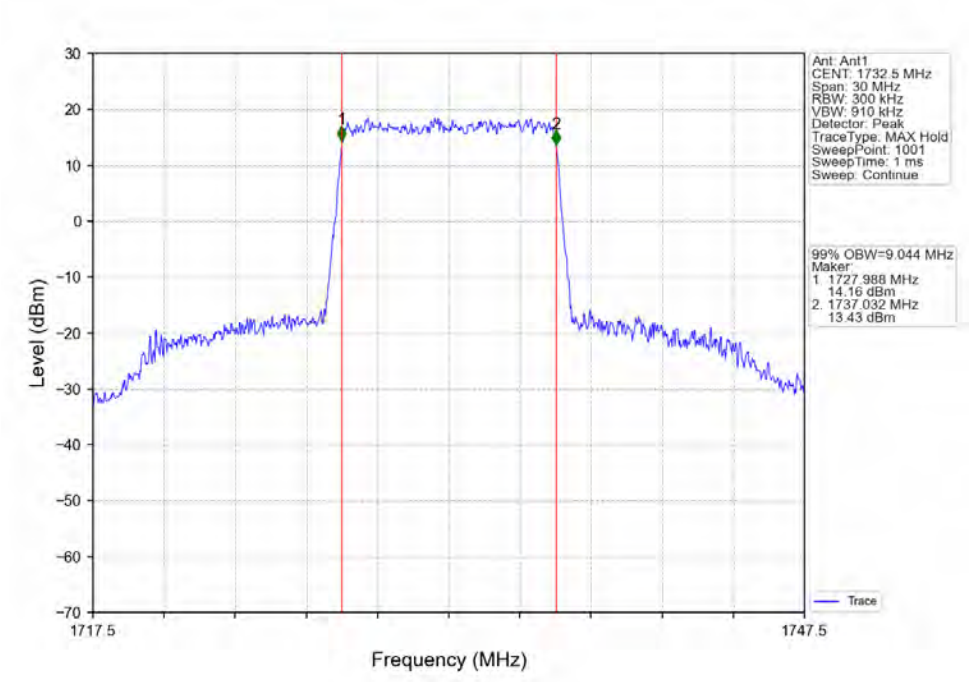
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV


Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV


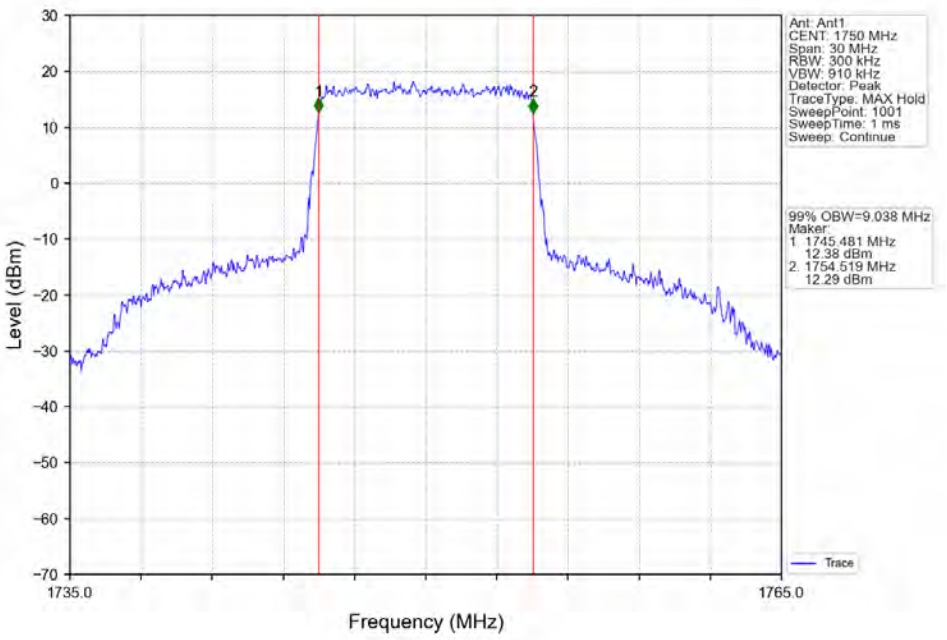
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



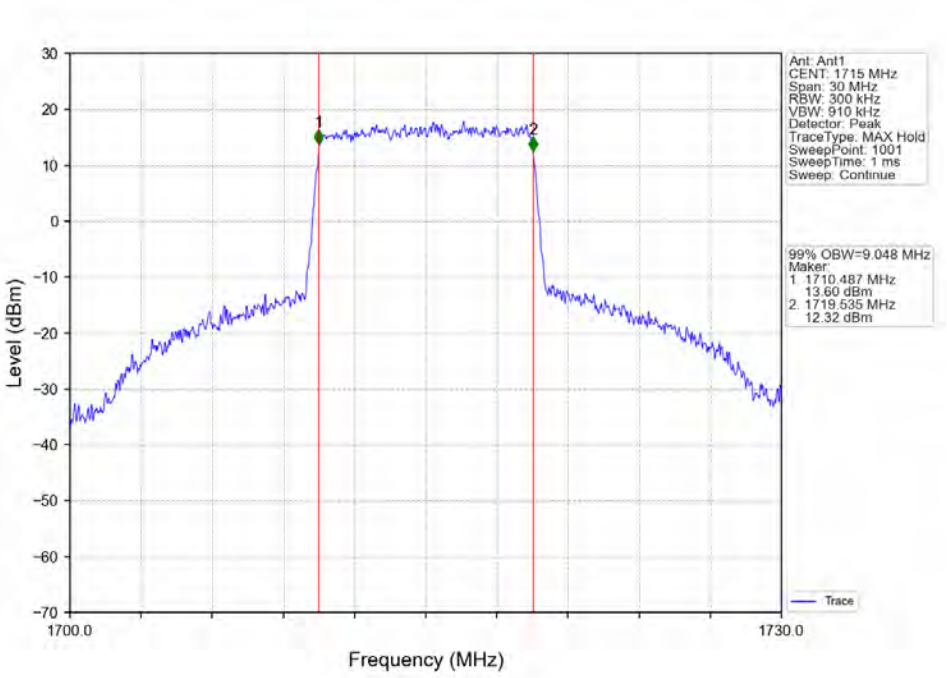
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

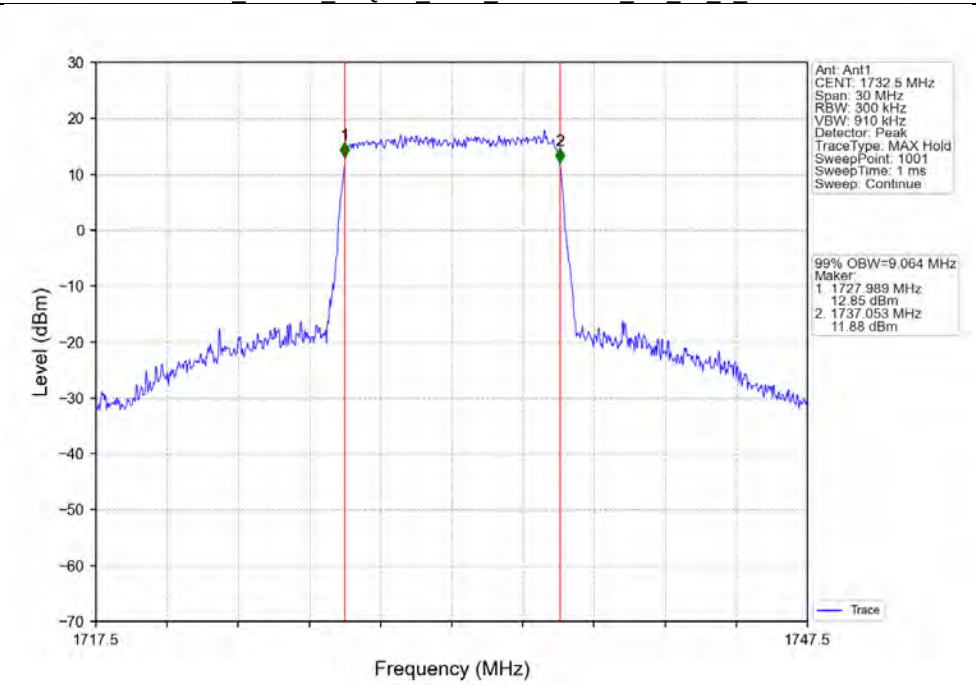
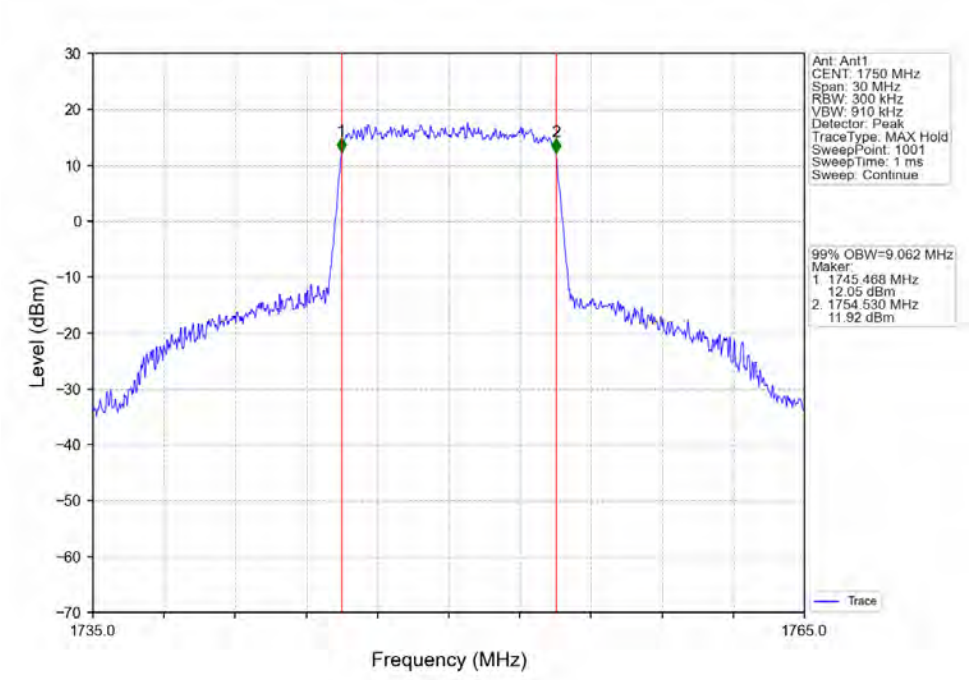


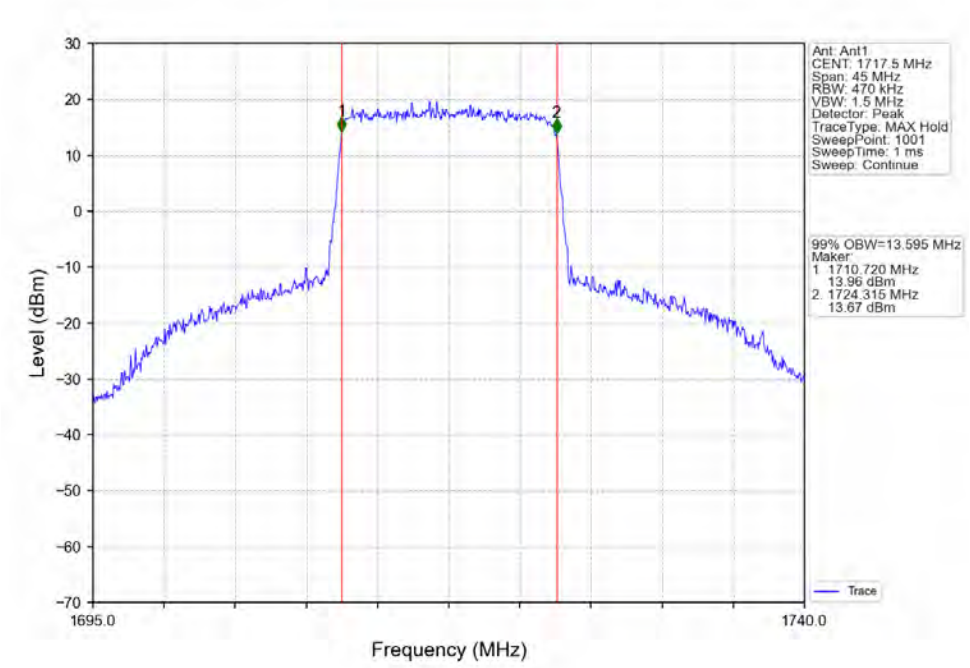
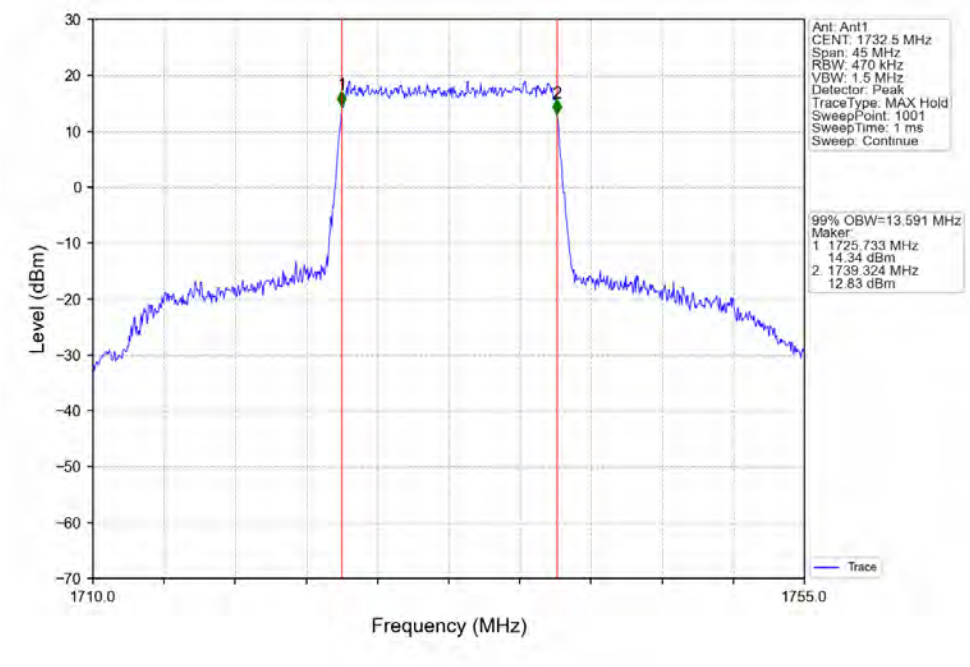
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

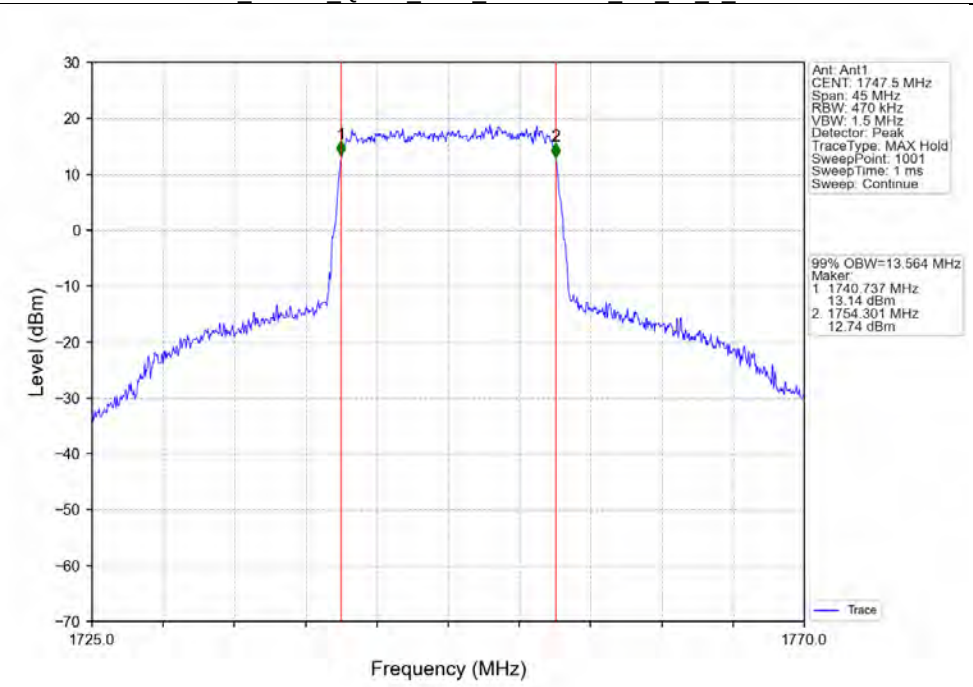
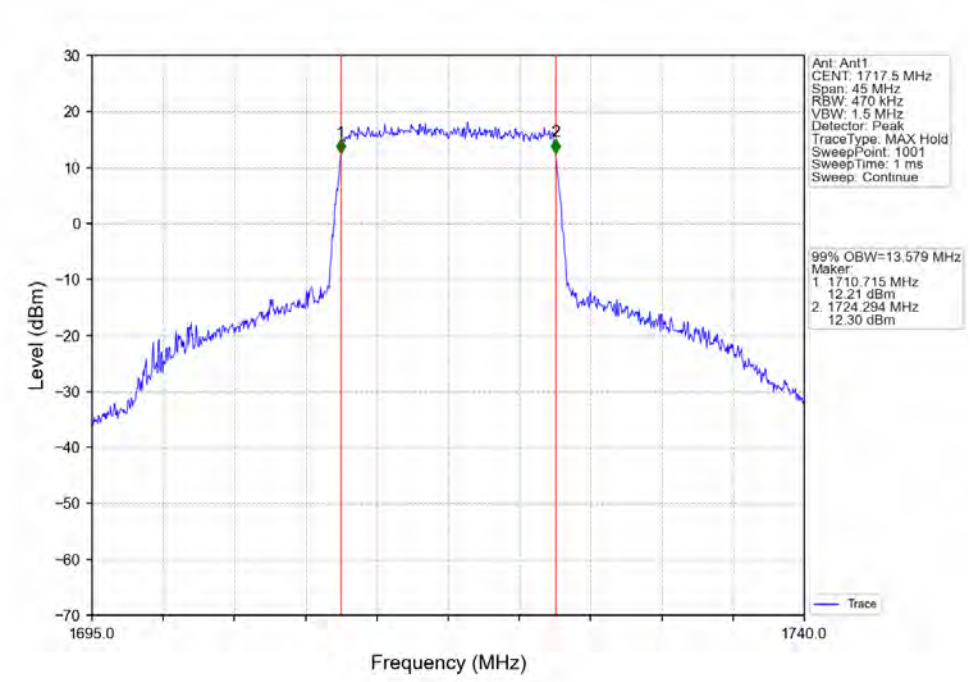


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

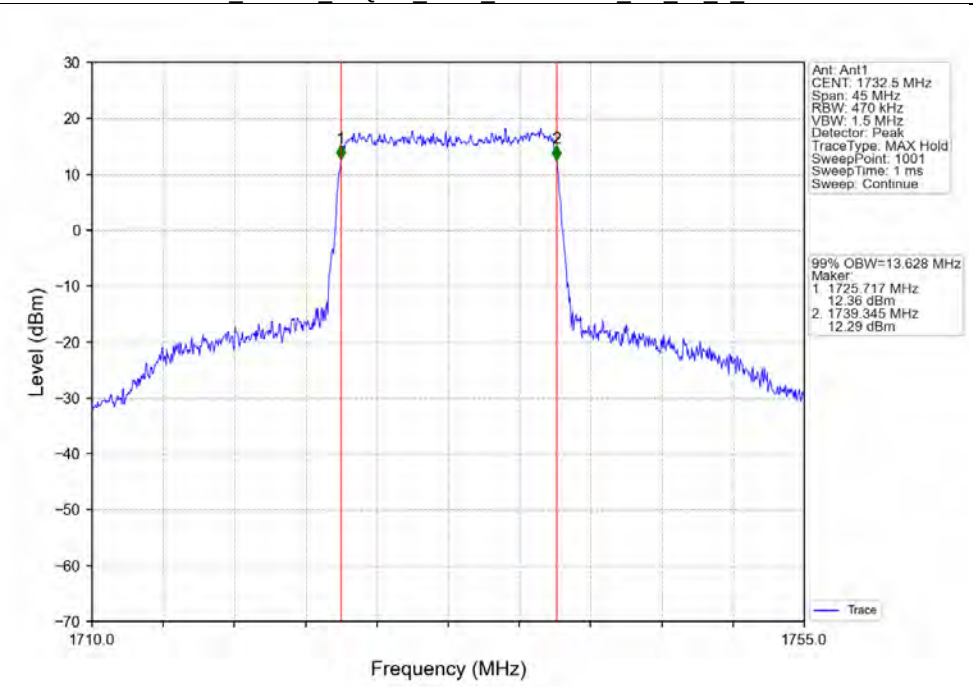


Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV


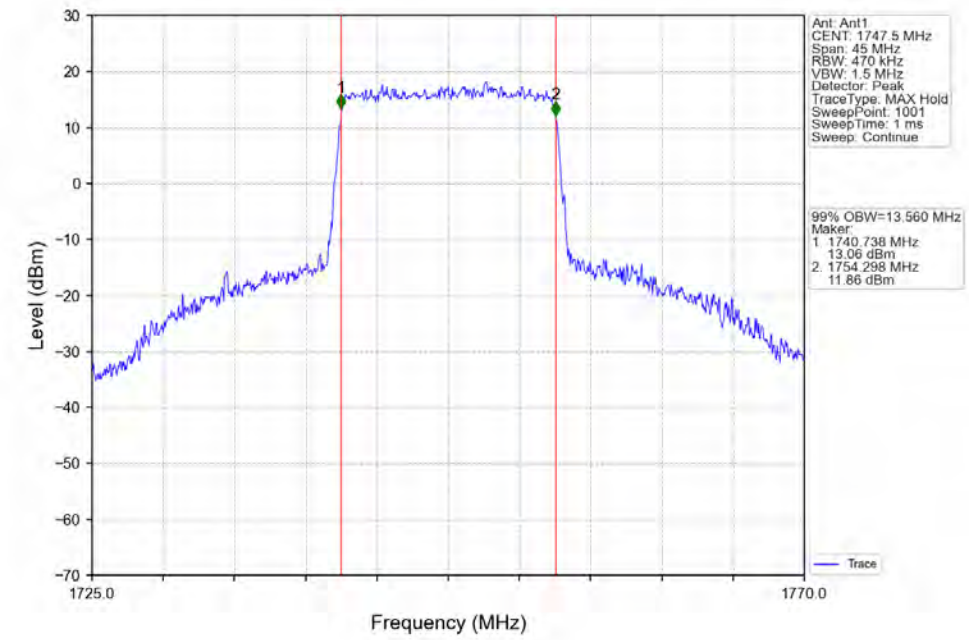
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV


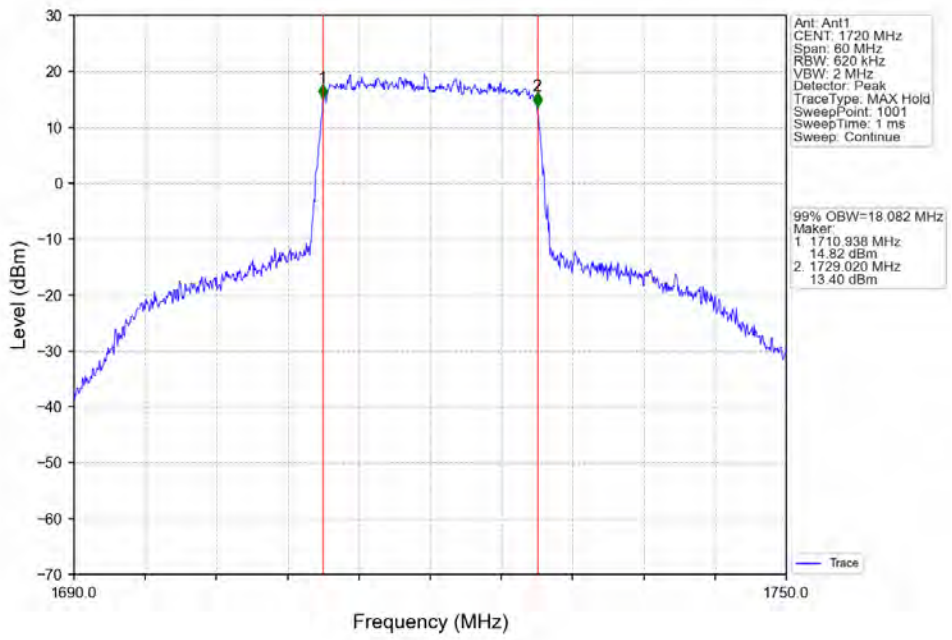
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



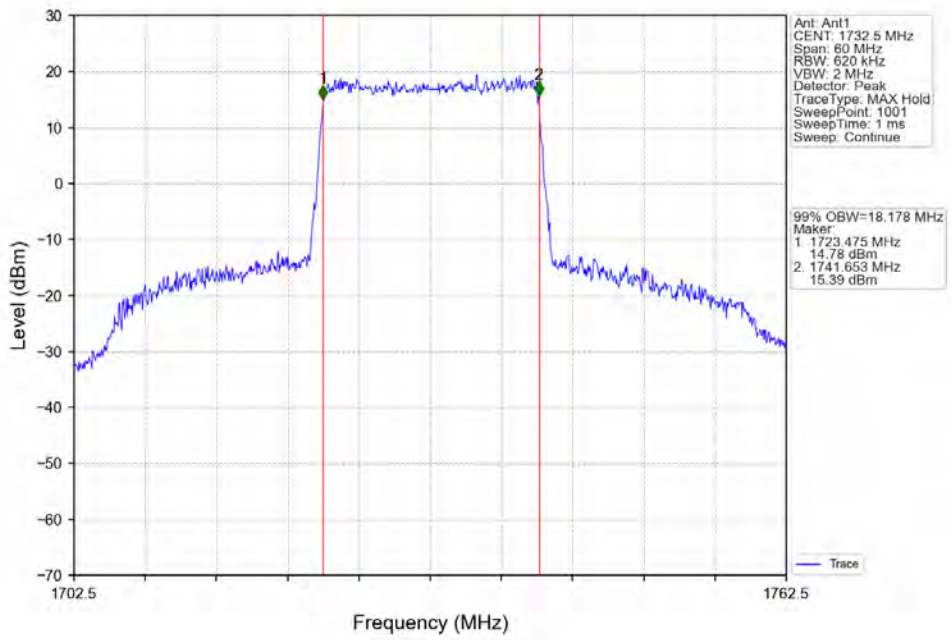
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

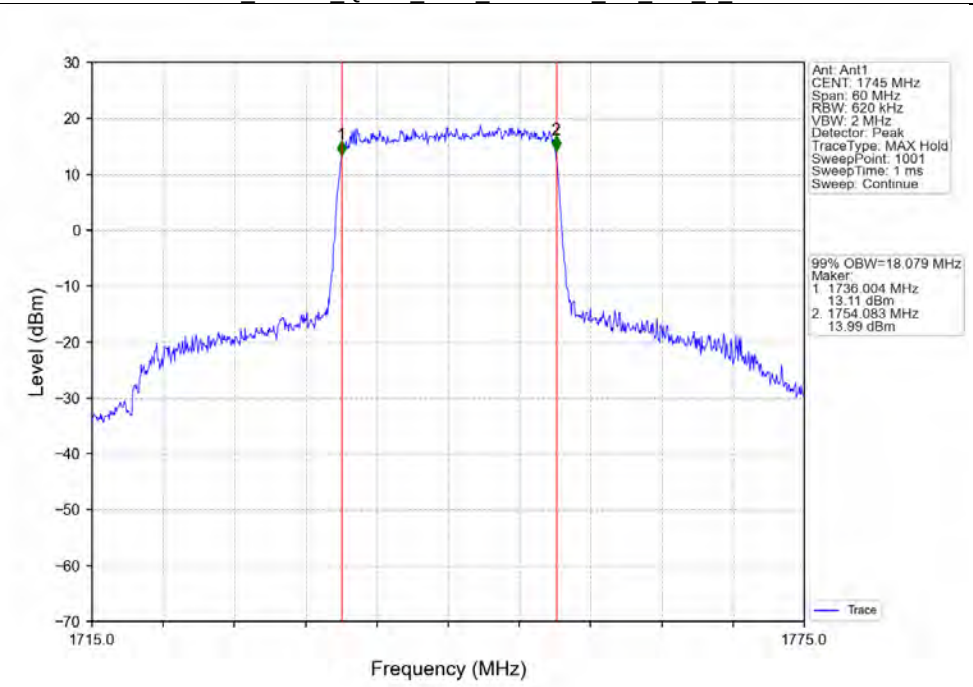
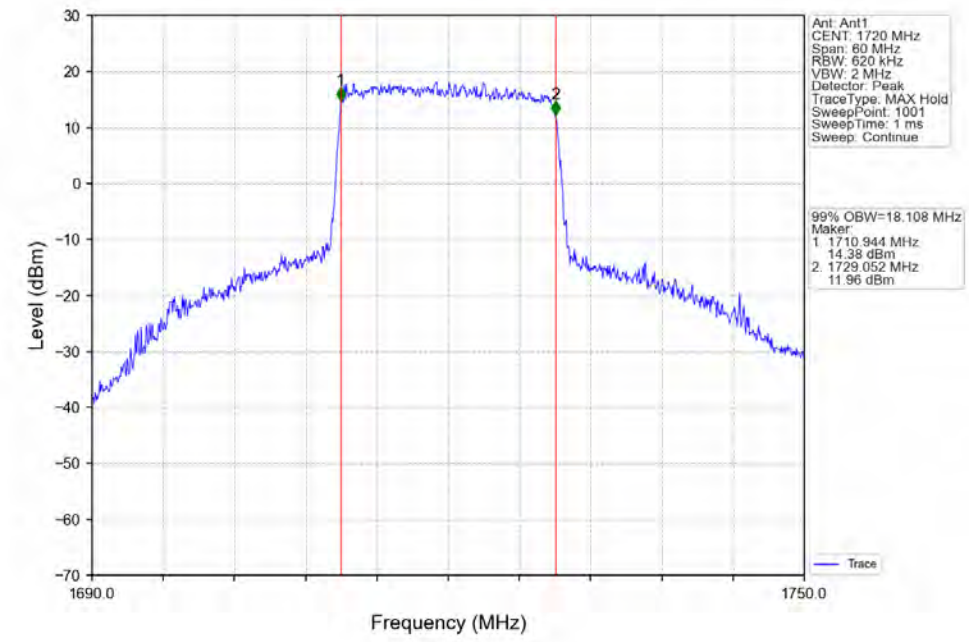


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

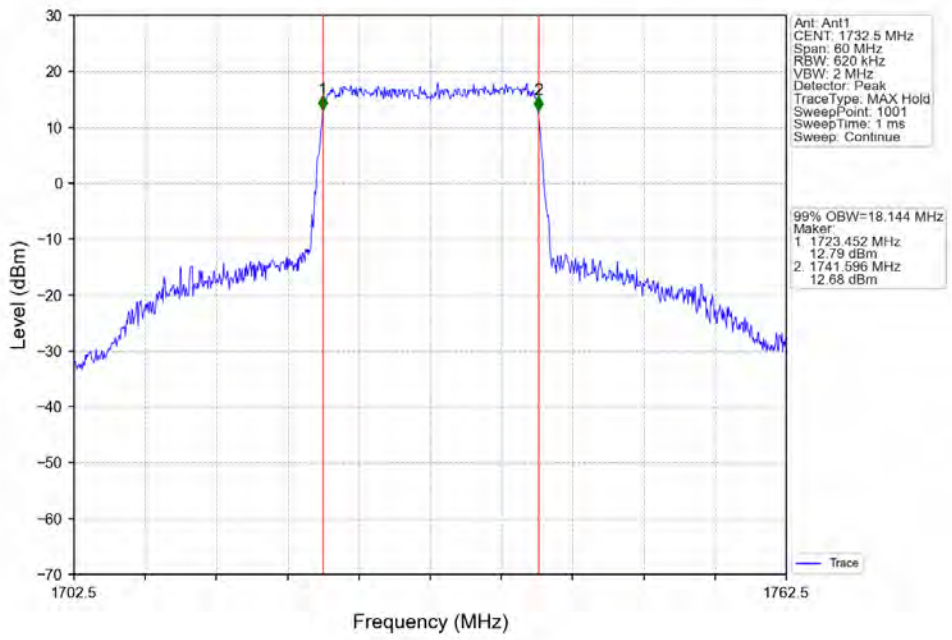


Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

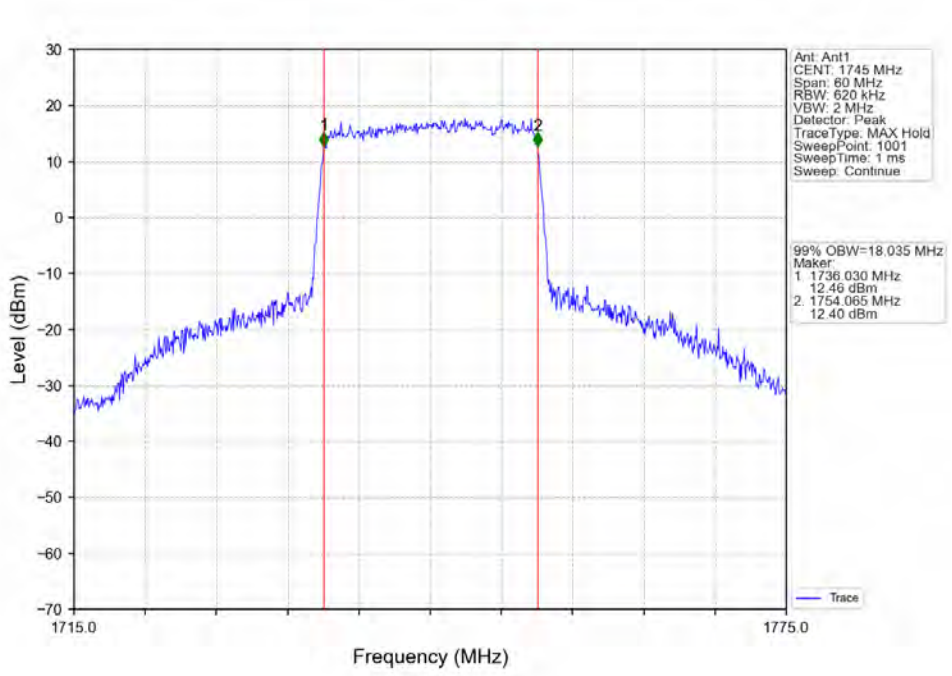


Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV

Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV


Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



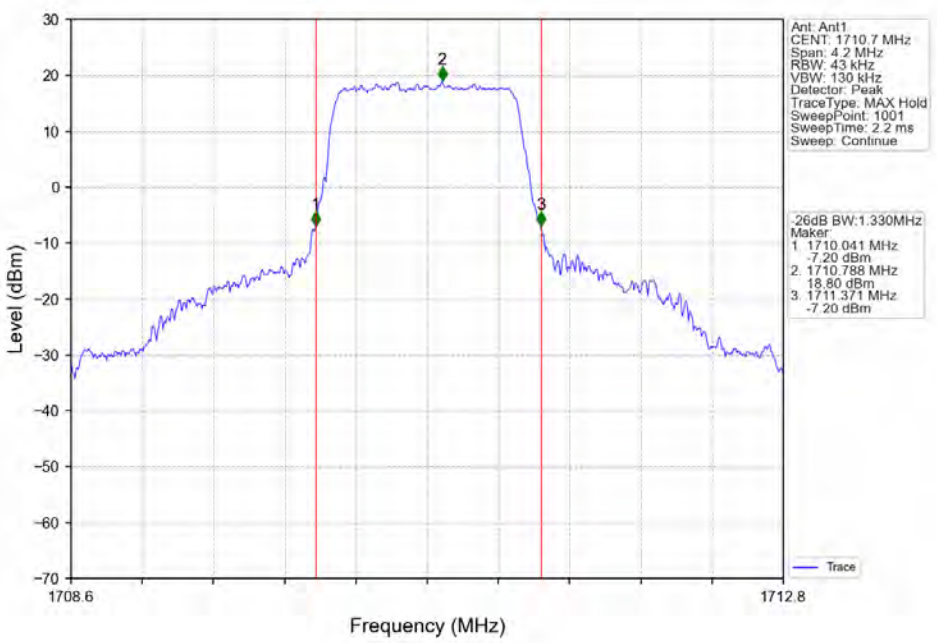
4.2 Band4_XDB

4.2.1 Test Result

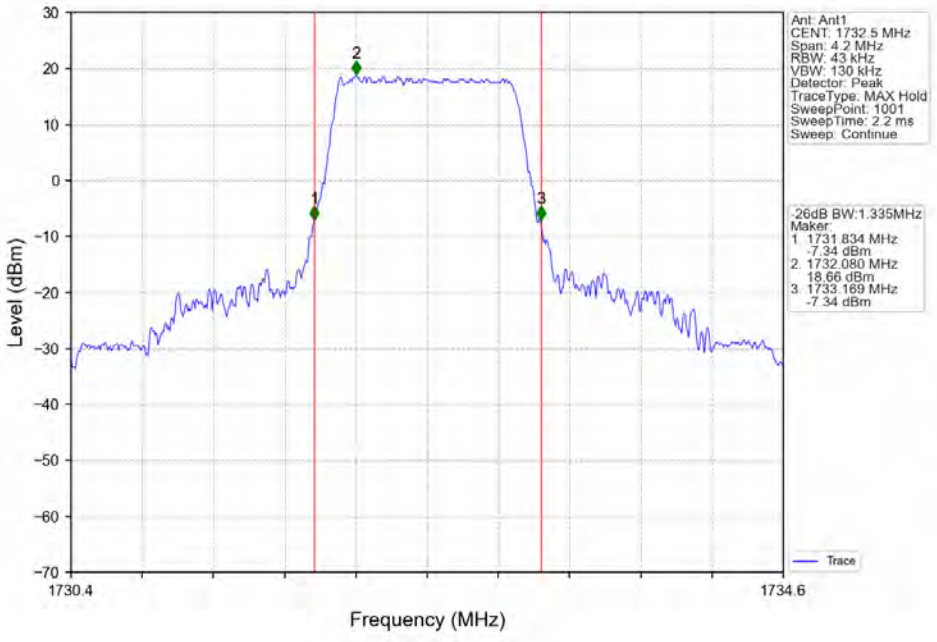
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.330	Pass
		1732.5	6	0	1.335	Pass
		1754.3	6	0	1.338	Pass
	16QAM	1710.7	6	0	1.324	Pass
		1732.5	6	0	1.297	Pass
		1754.3	6	0	1.320	Pass
3	QPSK	1711.5	15	0	3.015	Pass
		1732.5	15	0	3.021	Pass
		1753.5	15	0	3.037	Pass
	16QAM	1711.5	15	0	3.018	Pass
		1732.5	15	0	3.015	Pass
		1753.5	15	0	3.051	Pass
5	QPSK	1712.5	25	0	5.095	Pass
		1732.5	25	0	5.057	Pass
		1752.5	25	0	5.076	Pass
	16QAM	1712.5	25	0	5.086	Pass
		1732.5	25	0	5.064	Pass
		1752.5	25	0	5.092	Pass
10	QPSK	1715	50	0	9.981	Pass
		1732.5	50	0	9.975	Pass
		1750	50	0	9.984	Pass
	16QAM	1715	50	0	9.913	Pass
		1732.5	50	0	9.942	Pass
		1750	50	0	9.982	Pass
15	QPSK	1717.5	75	0	14.986	Pass
		1732.5	75	0	14.991	Pass
		1747.5	75	0	14.942	Pass
	16QAM	1717.5	75	0	14.909	Pass
		1732.5	75	0	15.000	Pass
		1747.5	75	0	14.829	Pass
20	QPSK	1720	100	0	19.834	Pass
		1732.5	100	0	19.846	Pass
		1745	100	0	19.610	Pass
	16QAM	1720	100	0	19.824	Pass
		1732.5	100	0	20.039	Pass
		1745	100	0	19.652	Pass

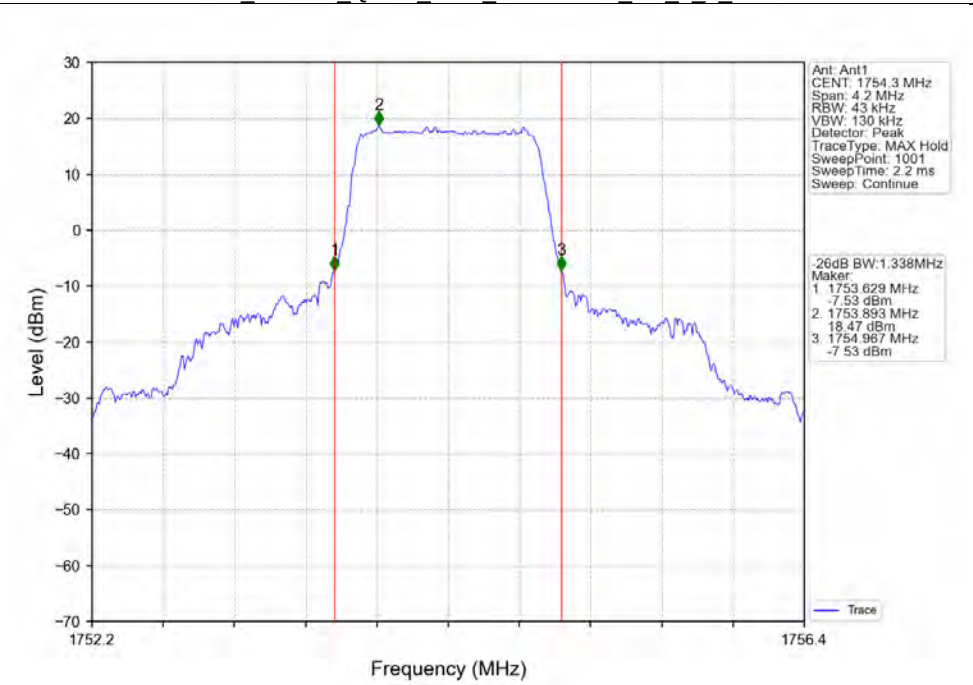
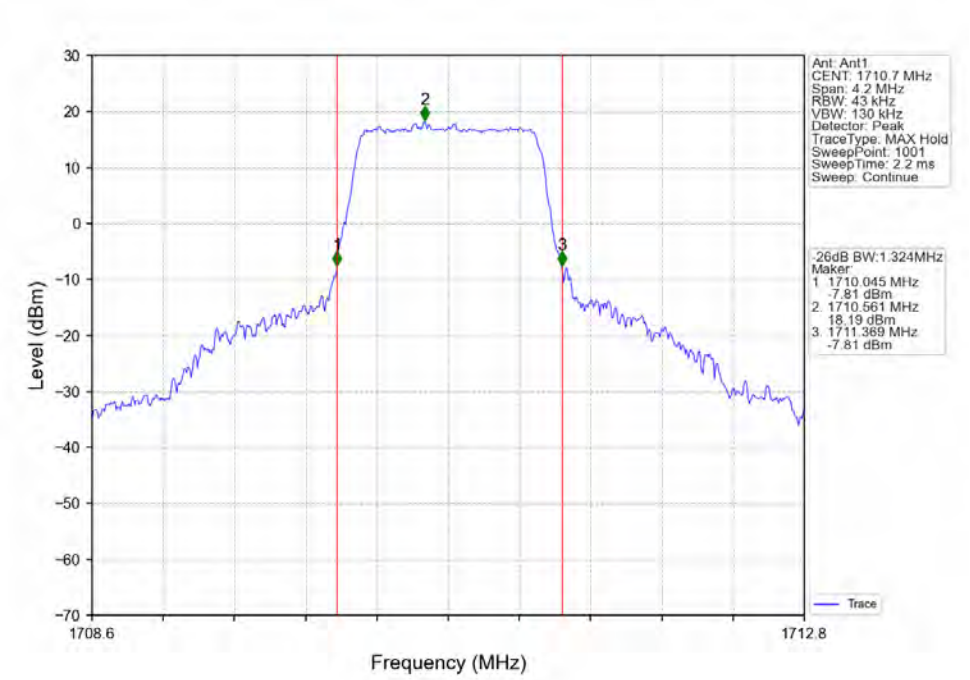
4.2.2 Test Graph

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

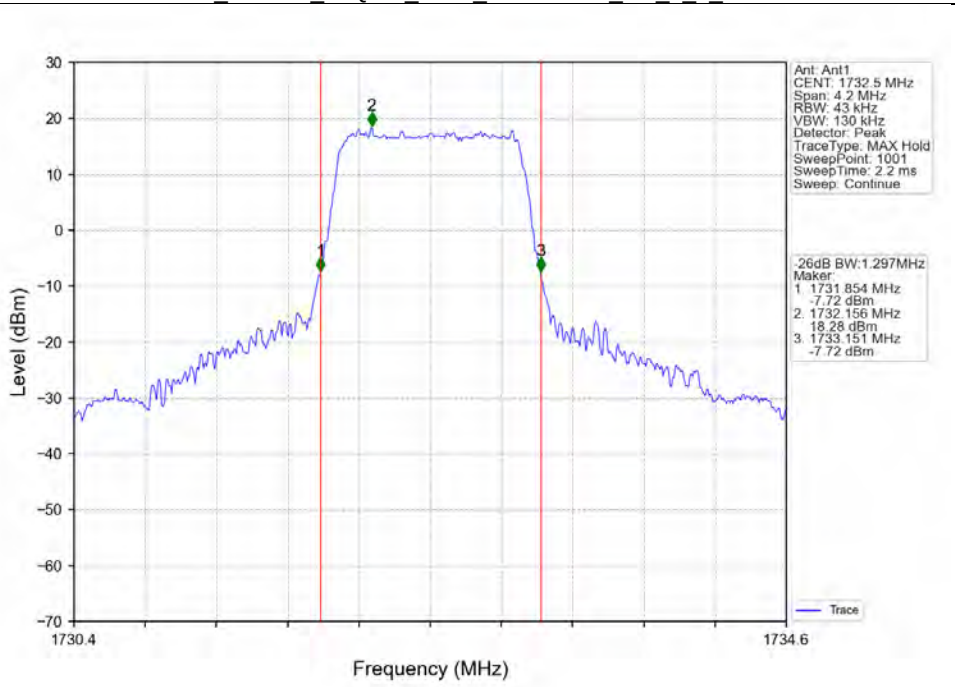


Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

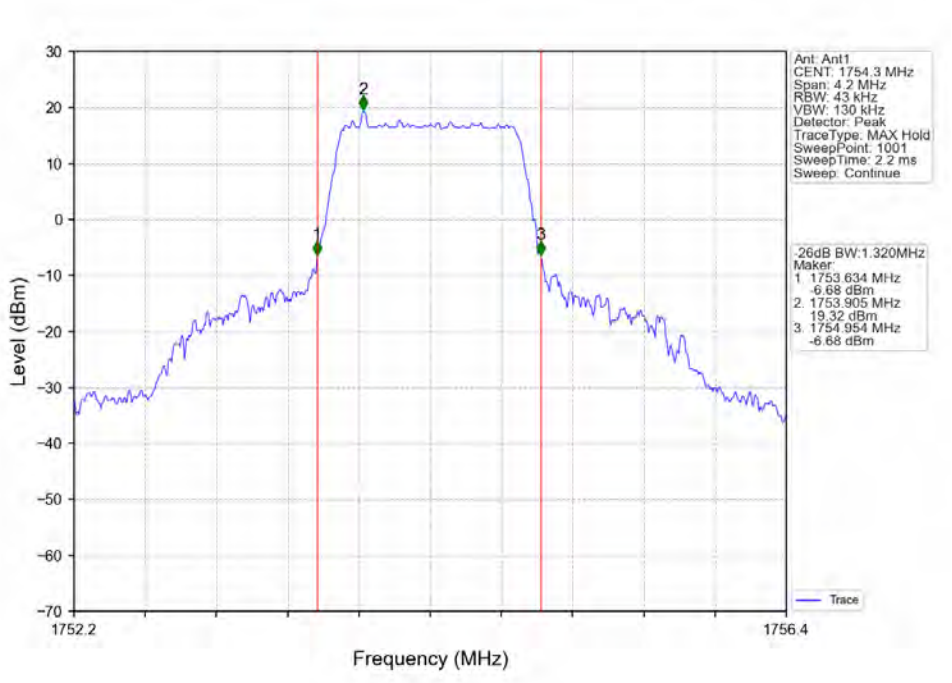


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV


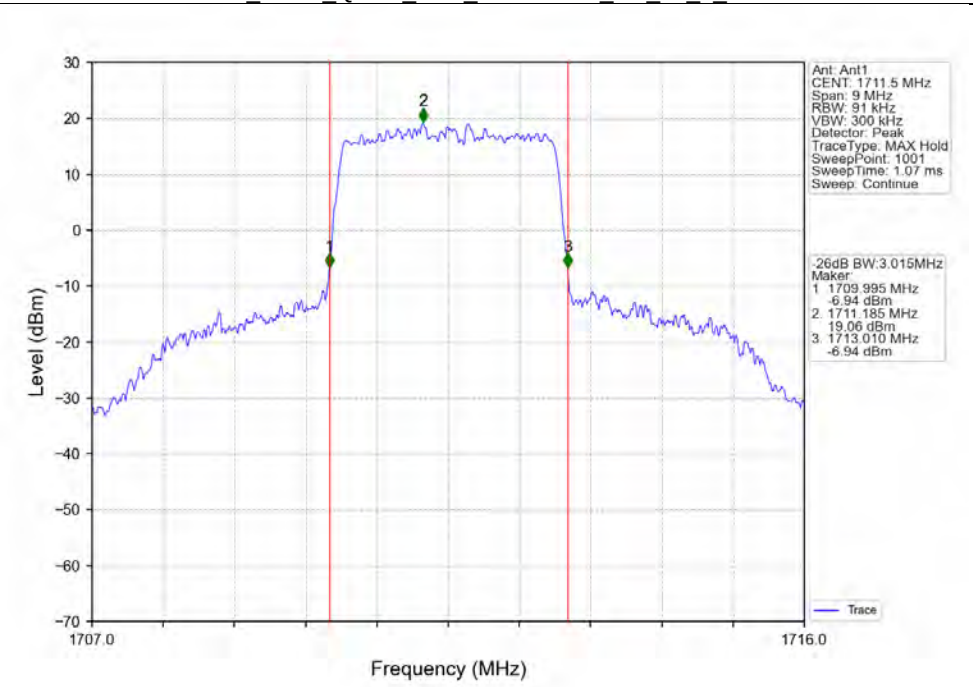
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



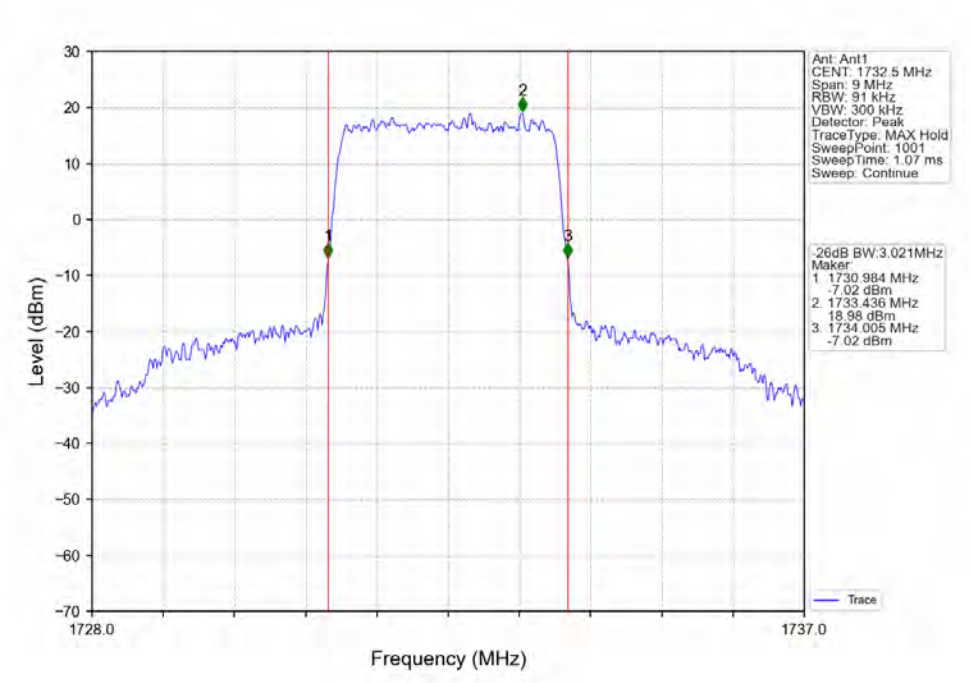
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



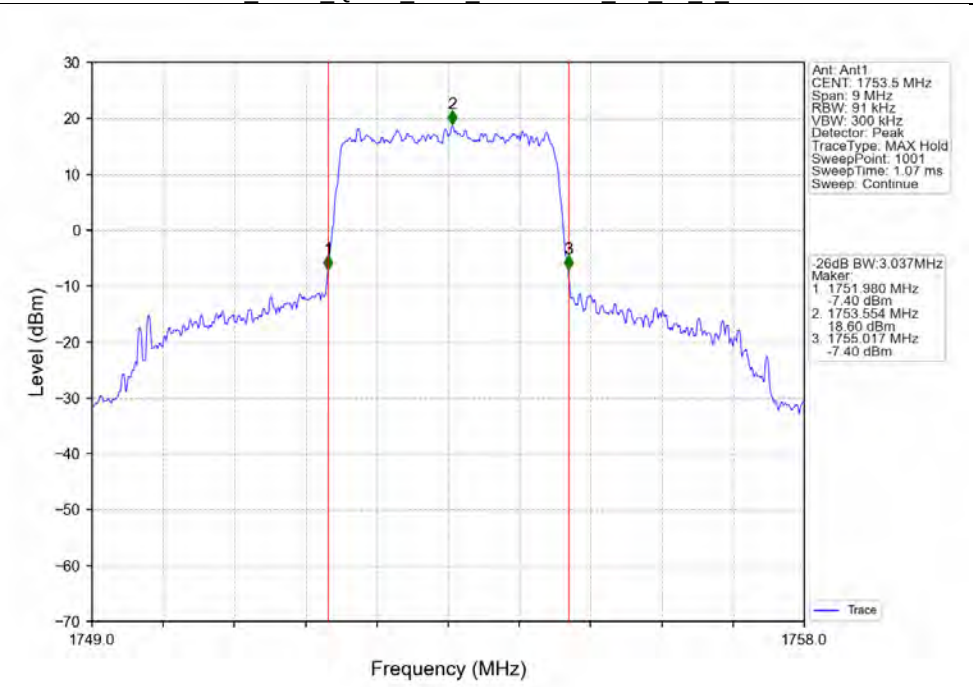
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



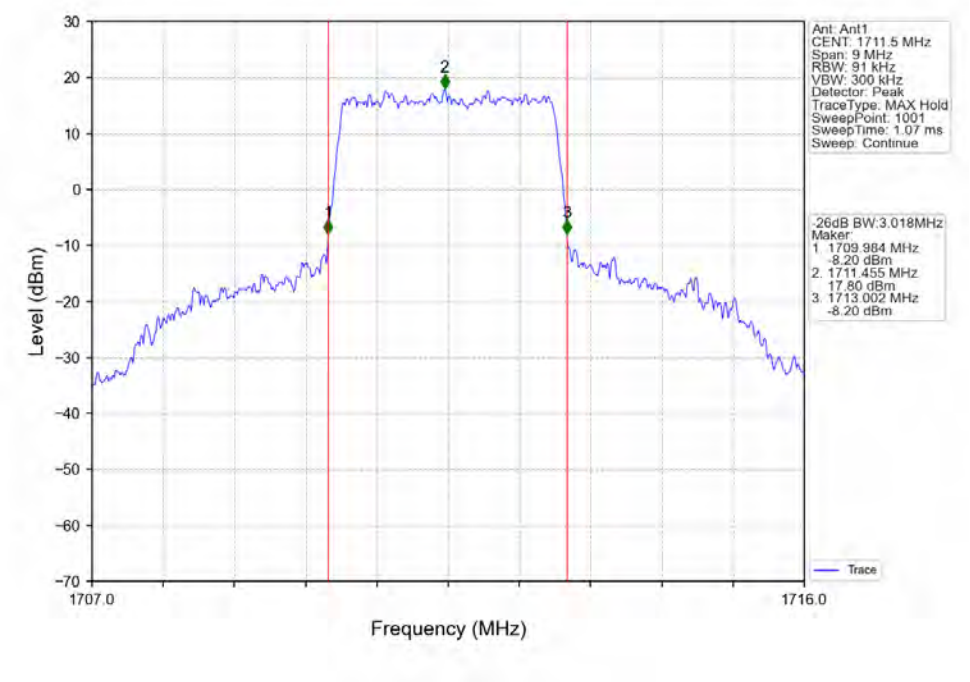
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



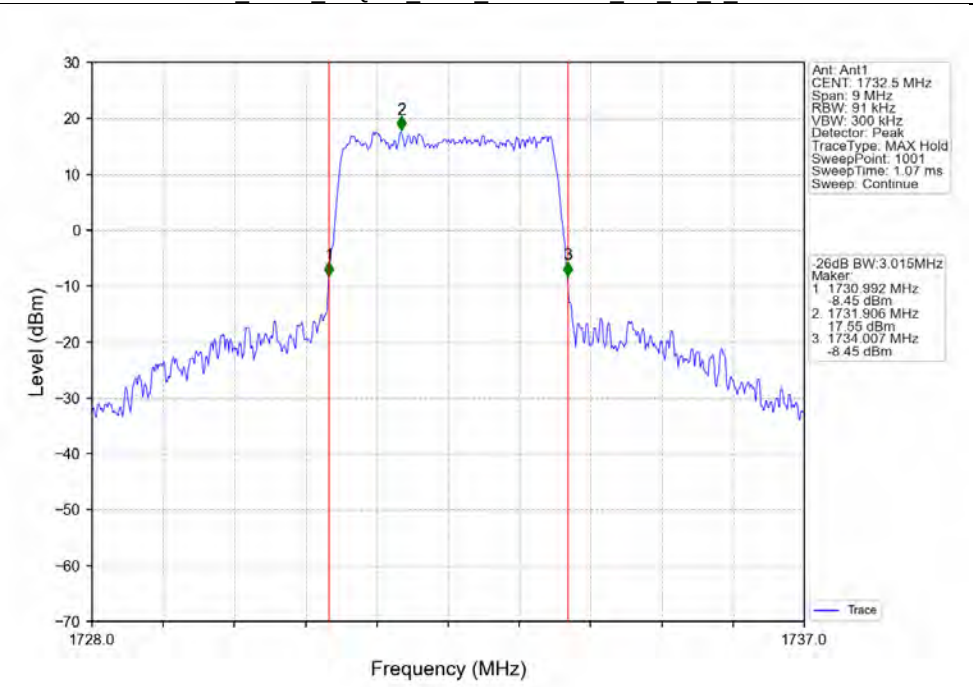
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



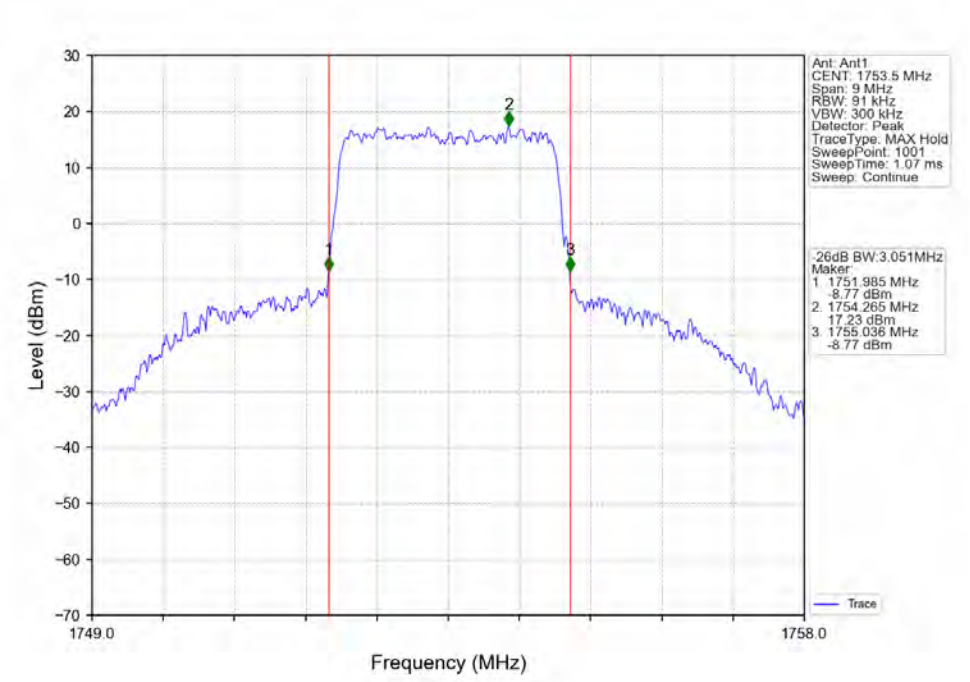
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

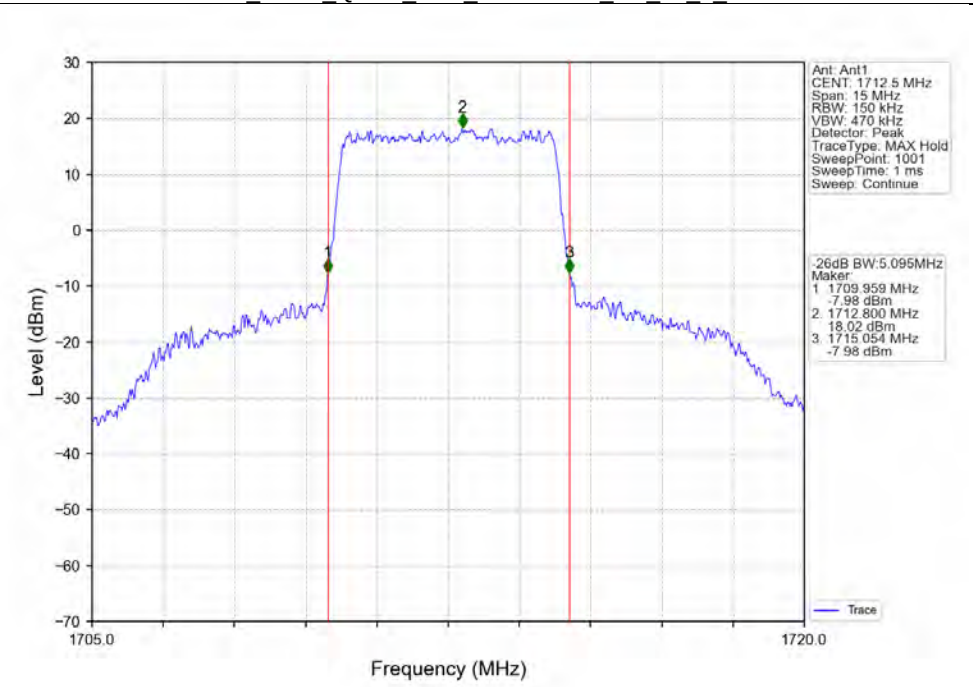
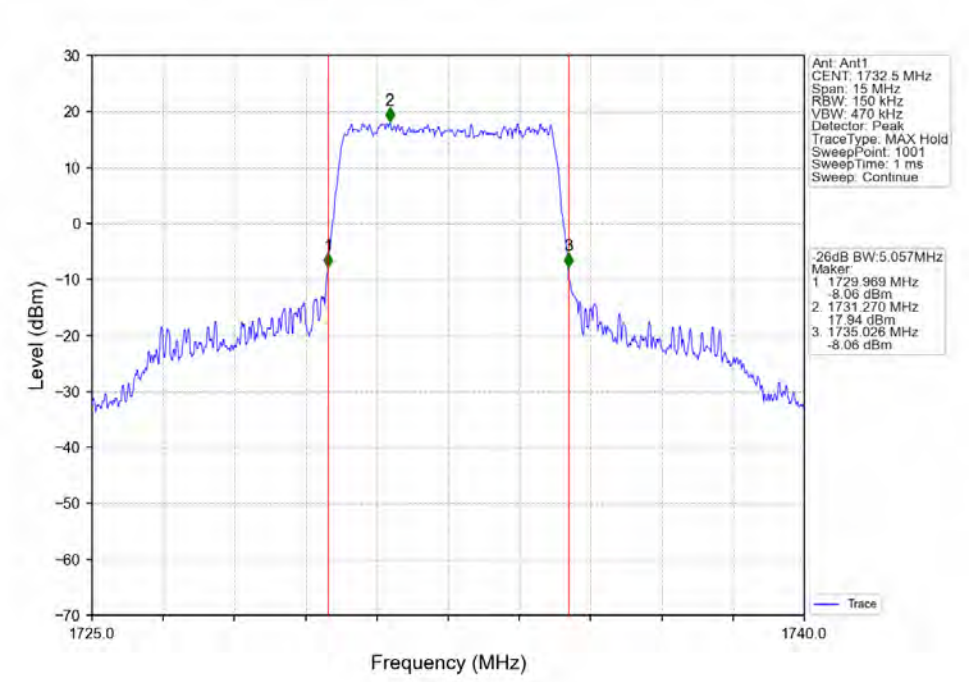


Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

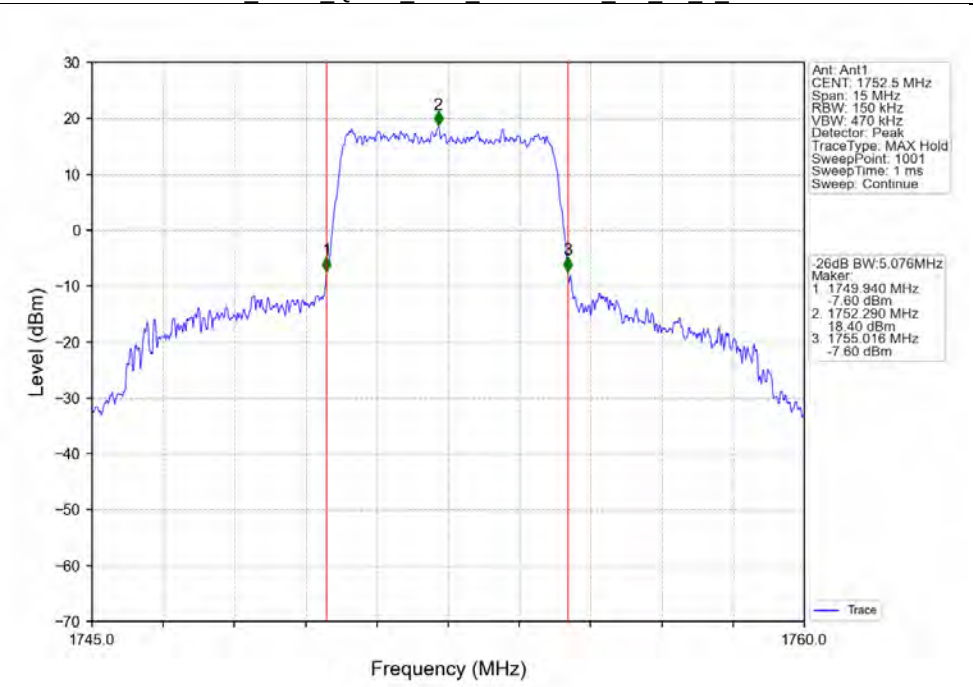


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

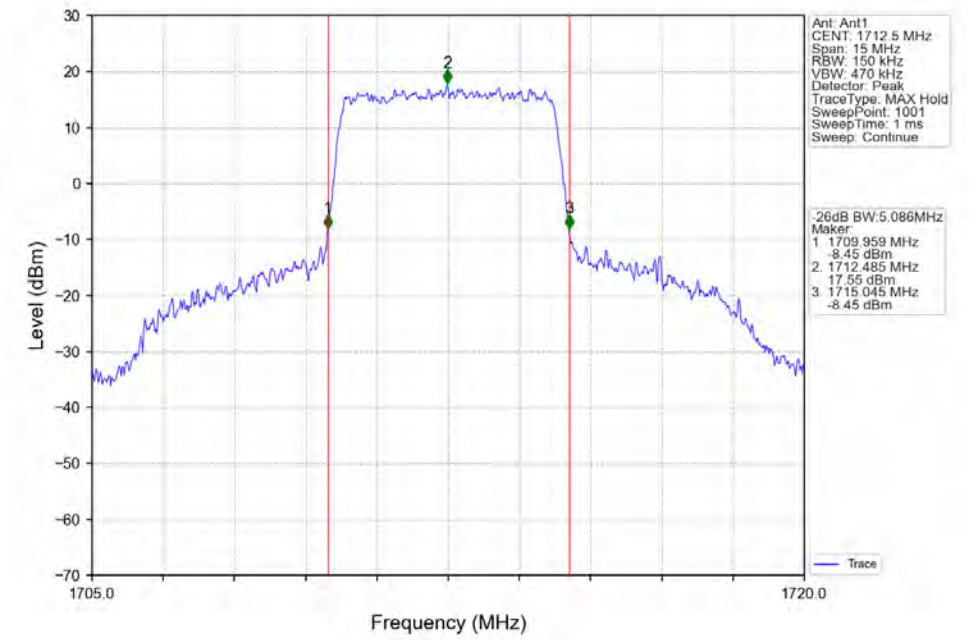


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV


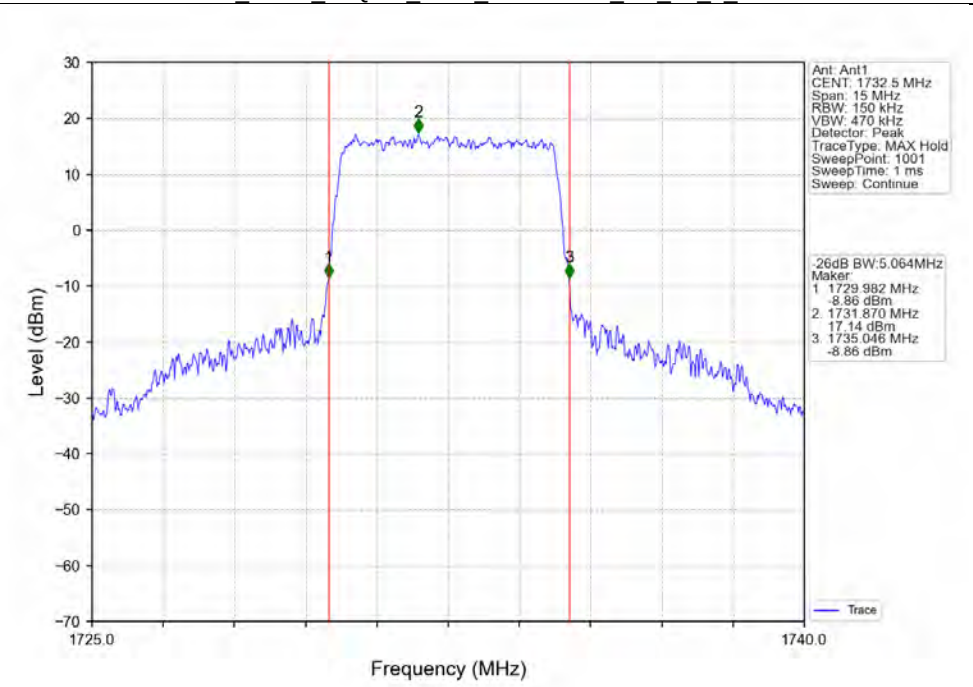
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



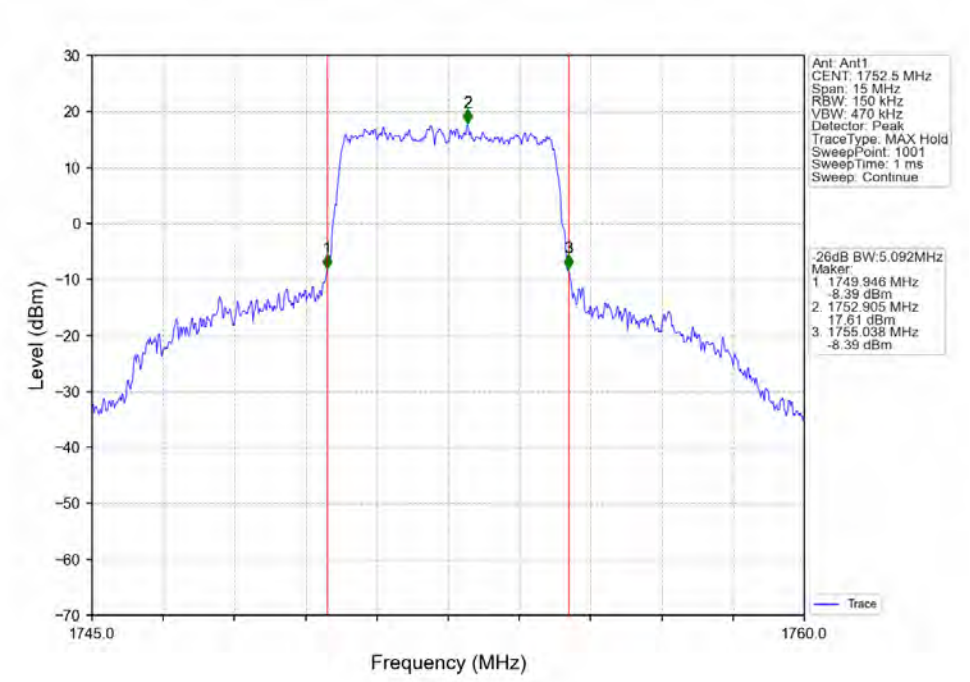
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



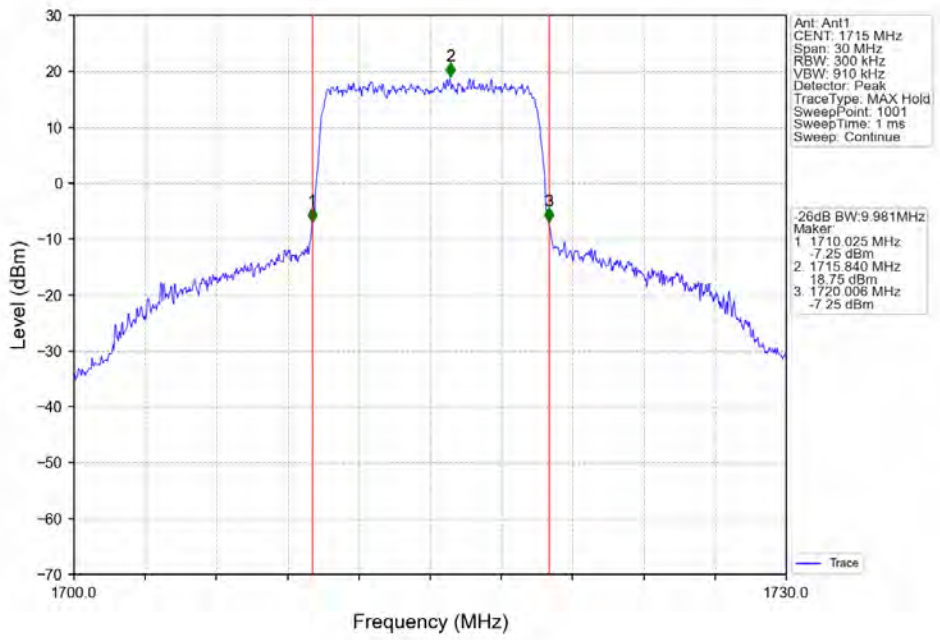
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



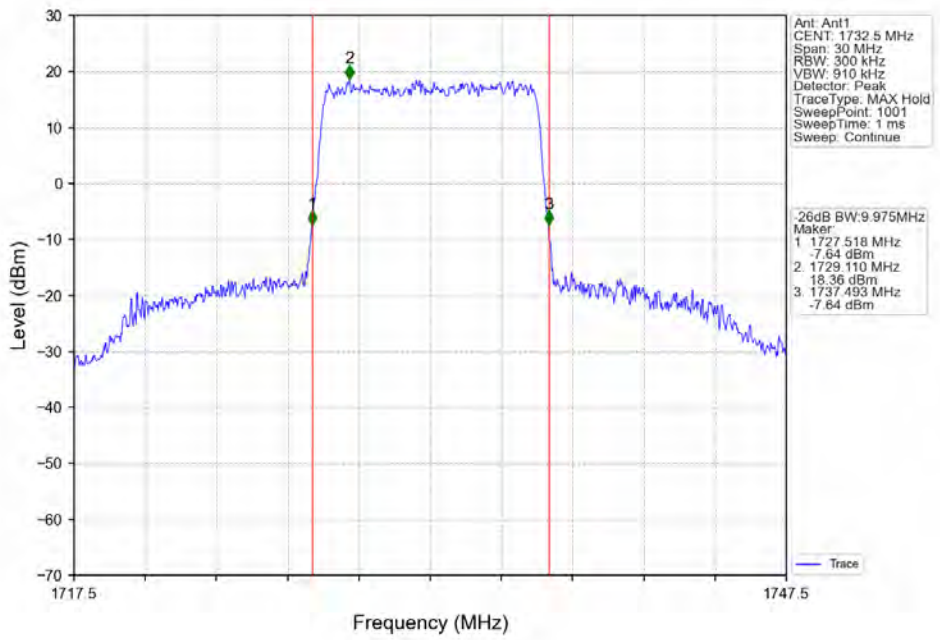
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

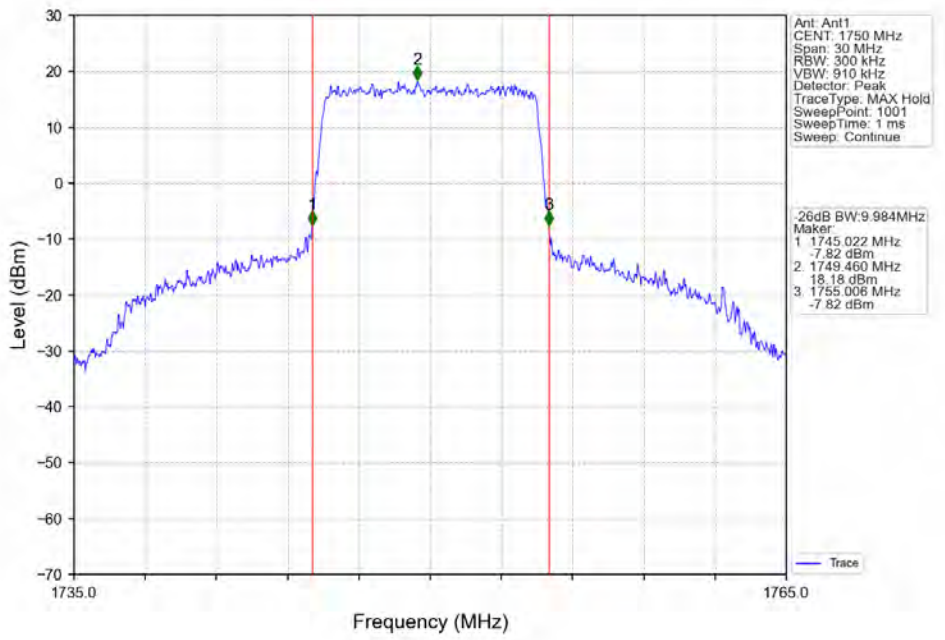
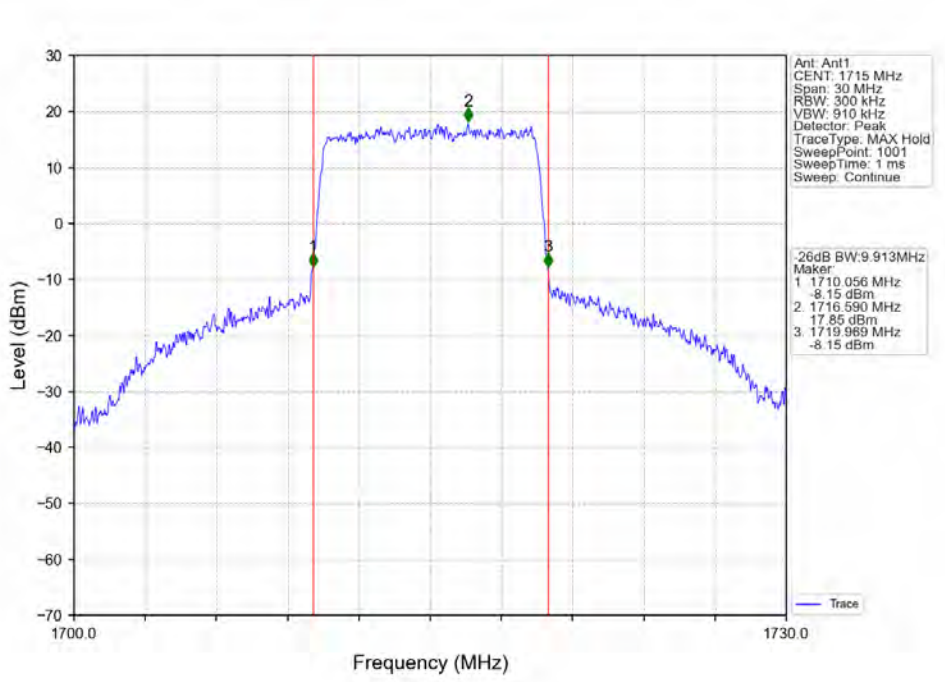


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

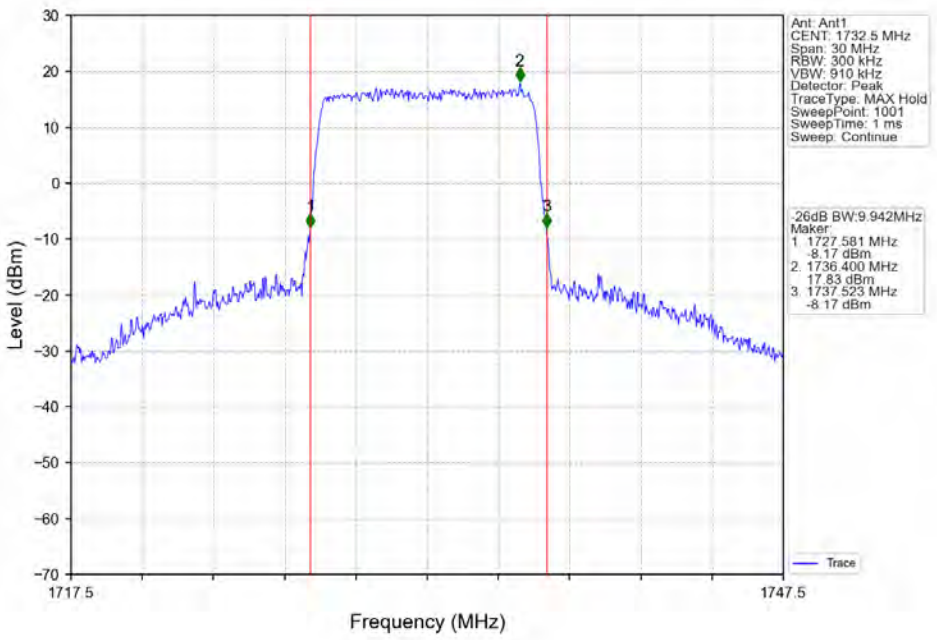


Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

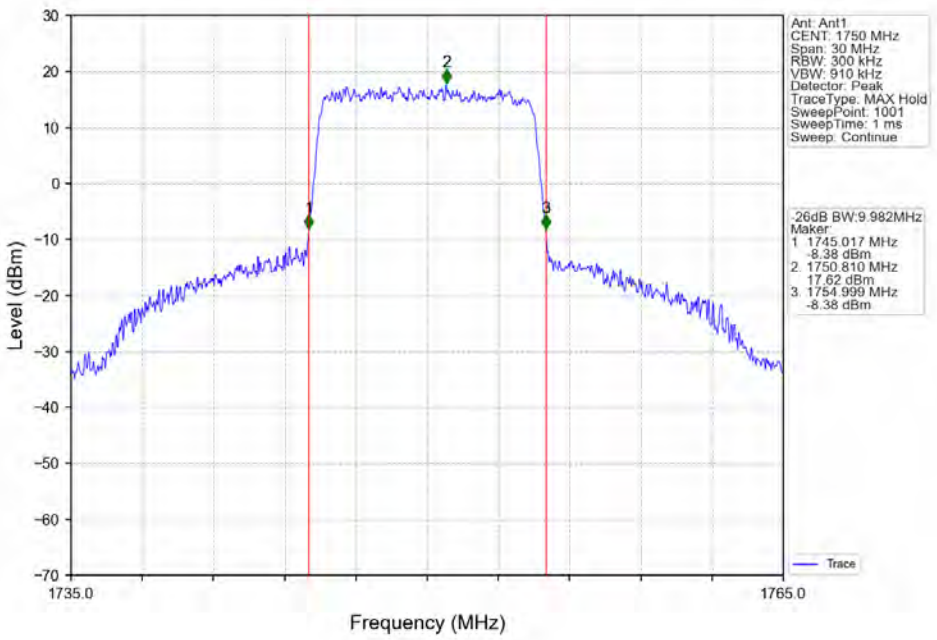


Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV


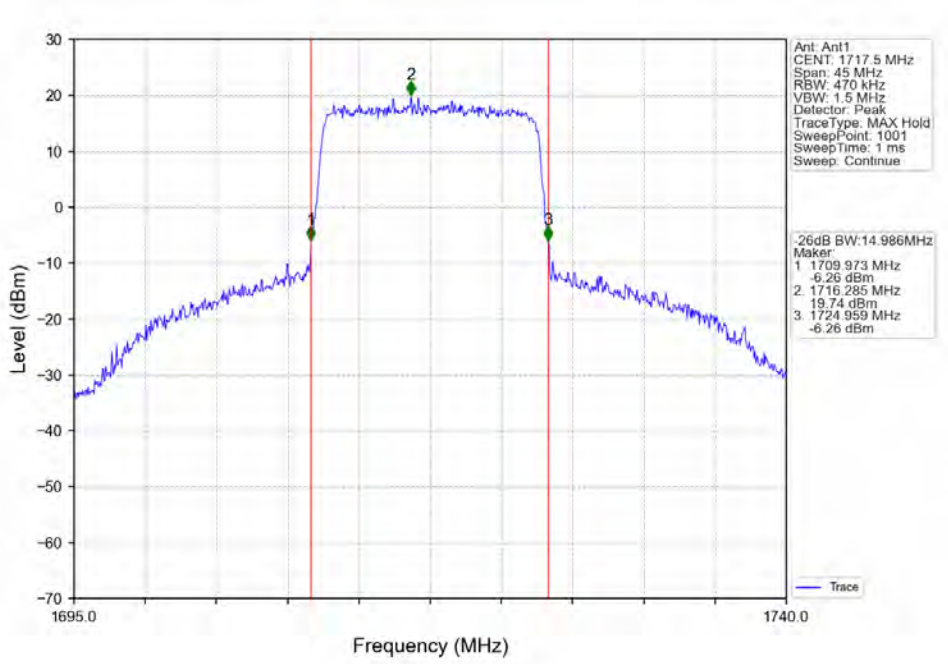
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



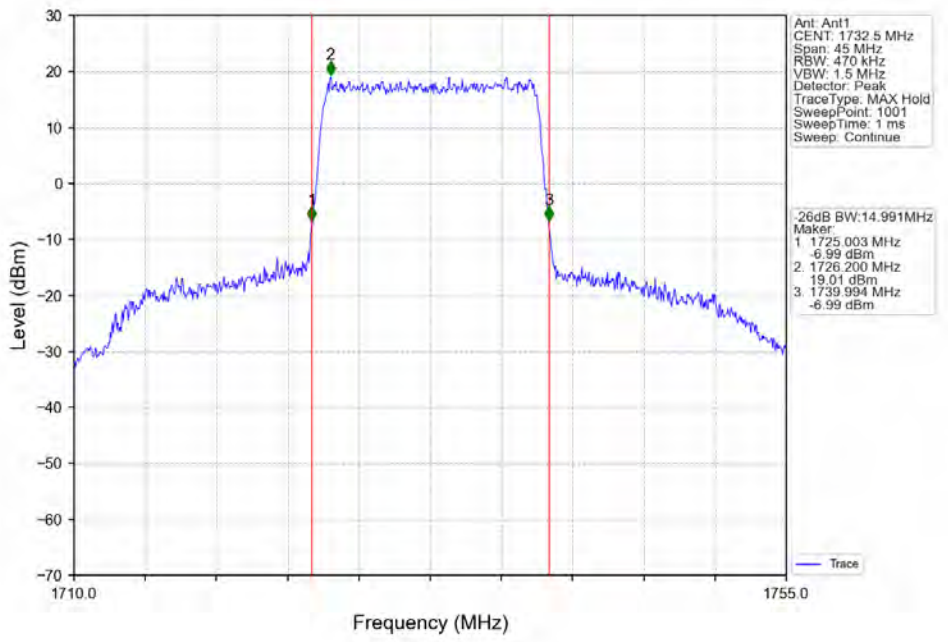
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

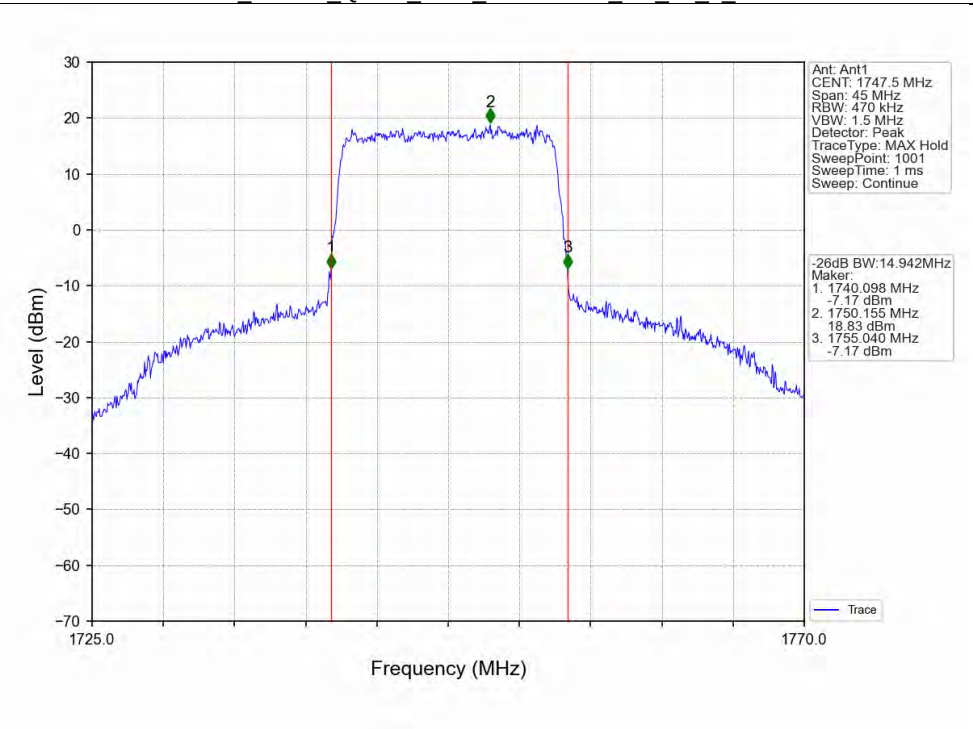
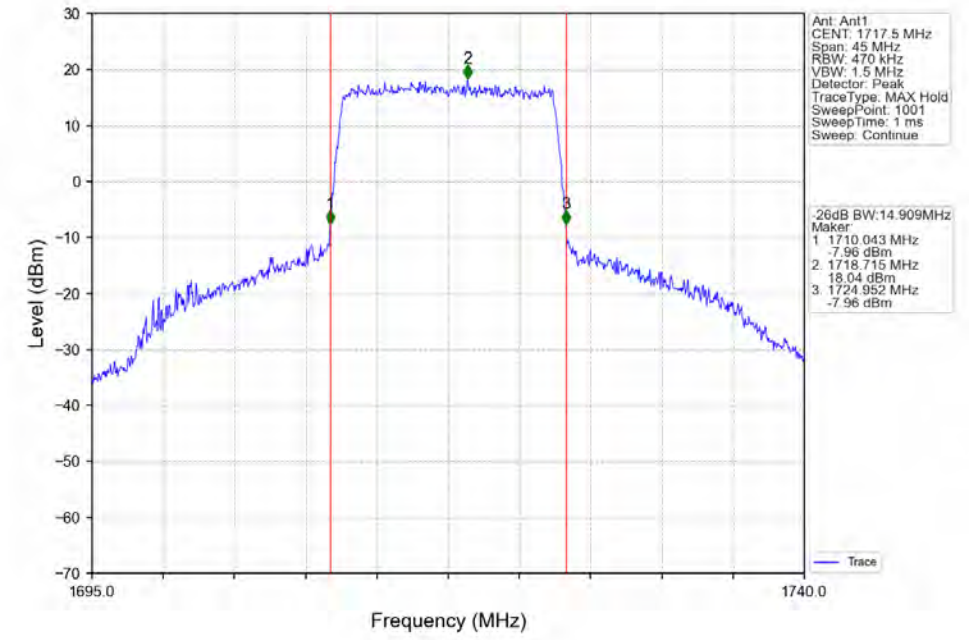


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

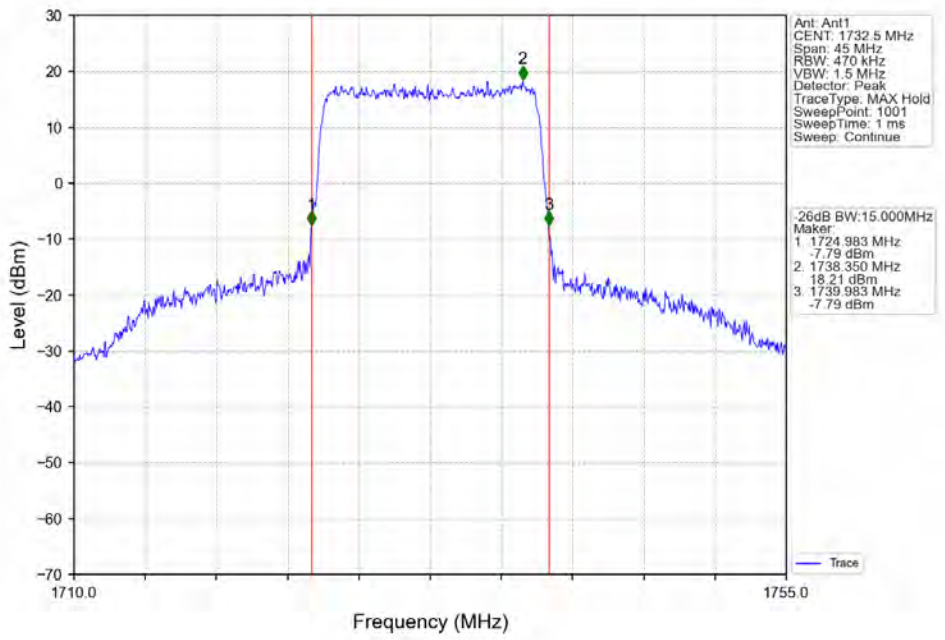


Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

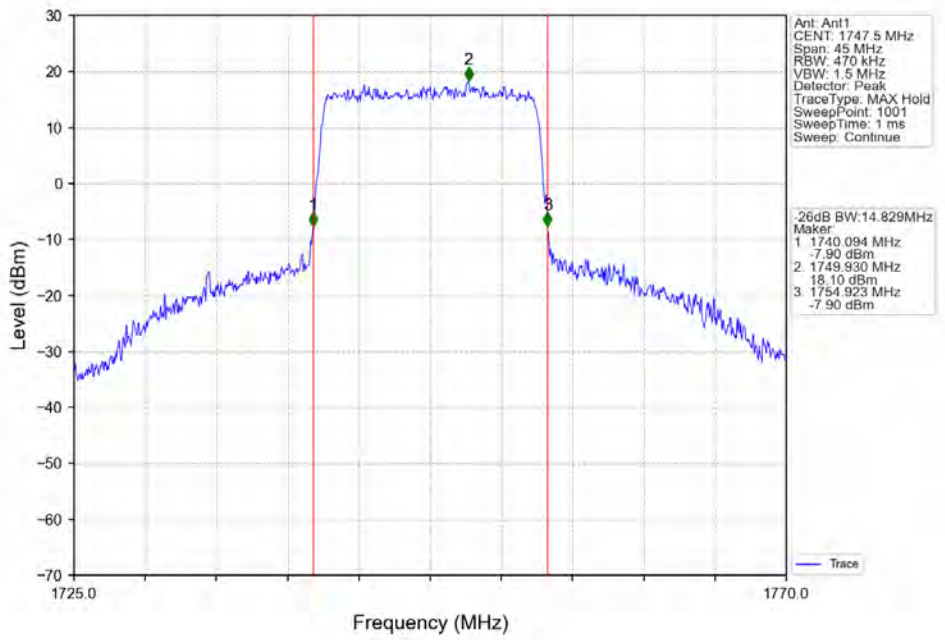


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV


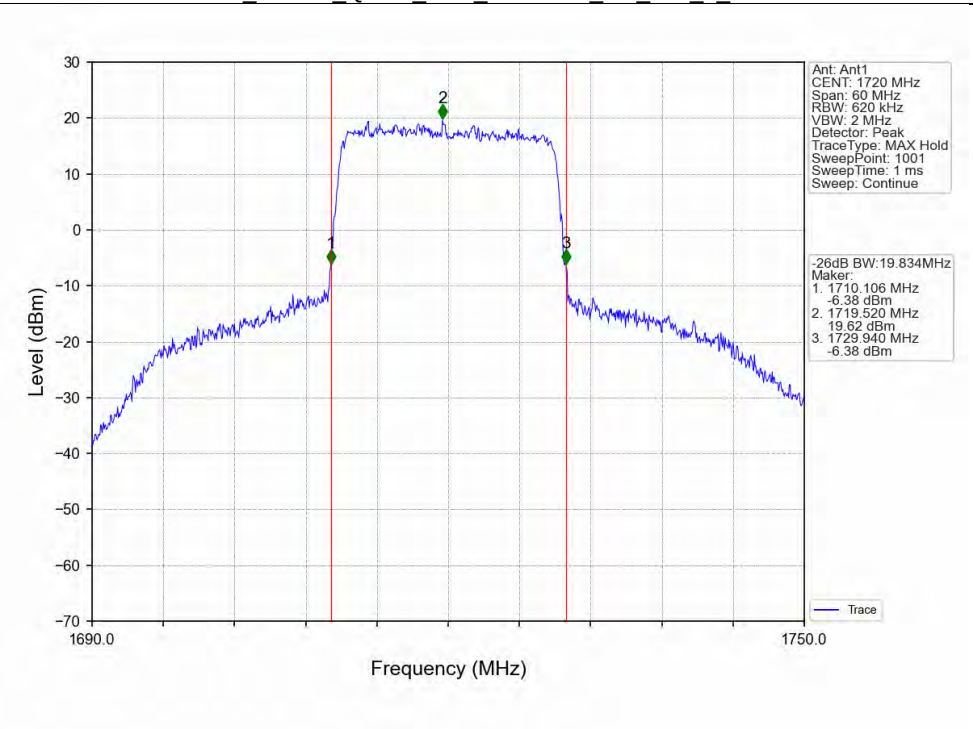
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



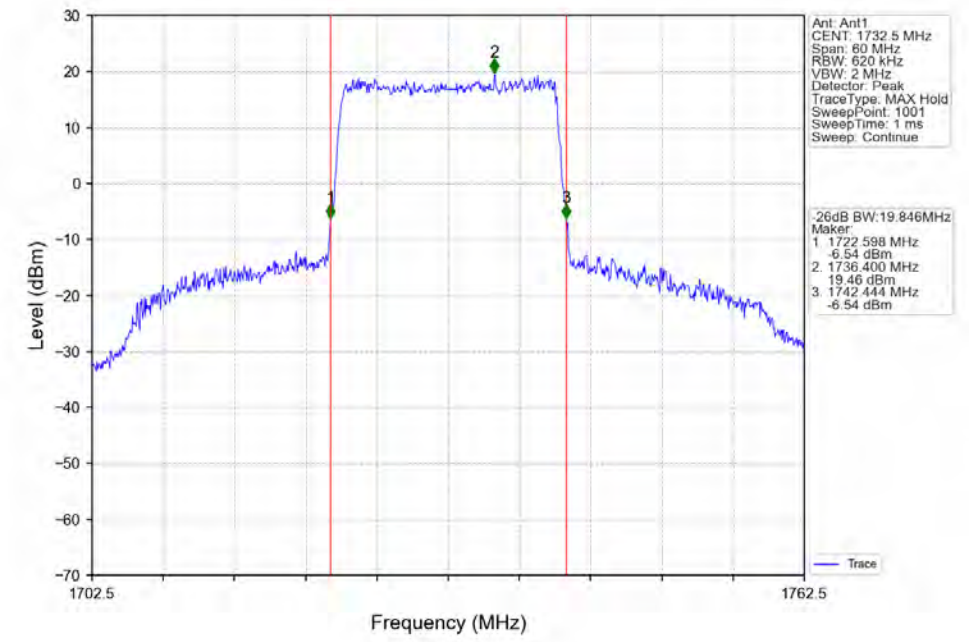
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



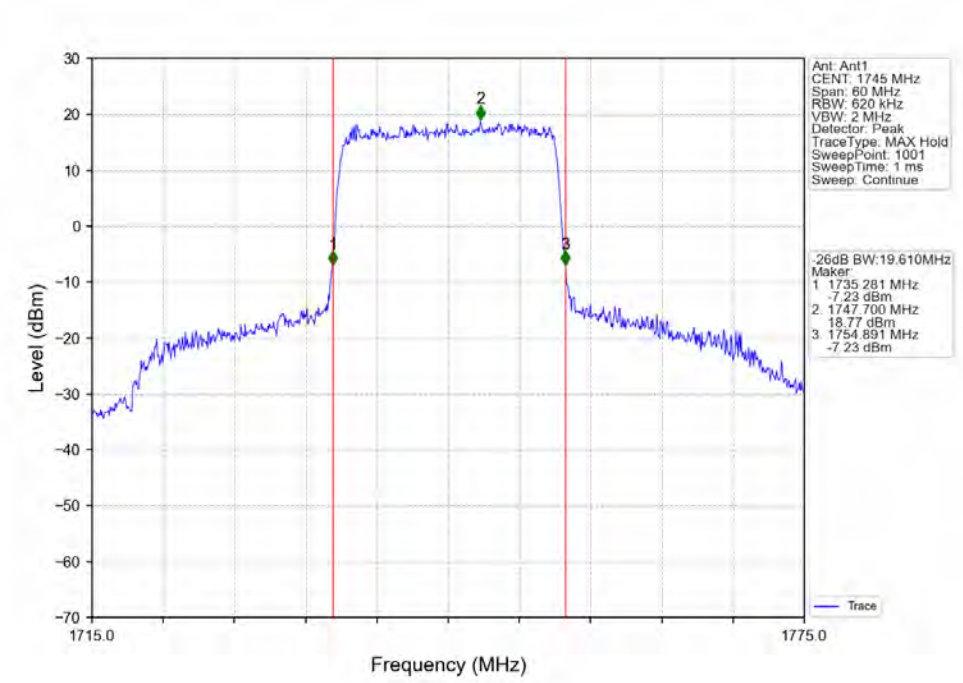
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



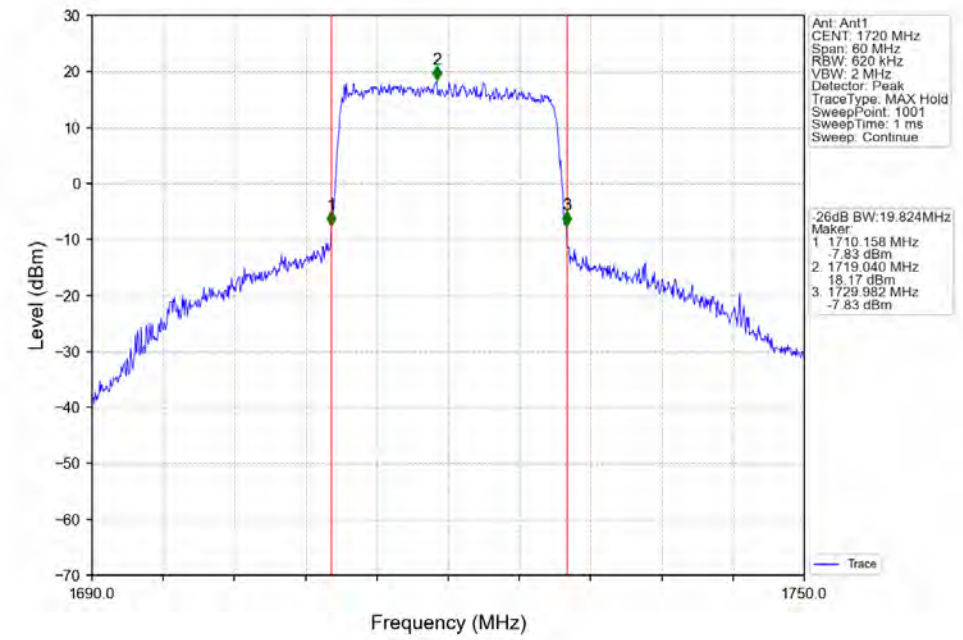
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



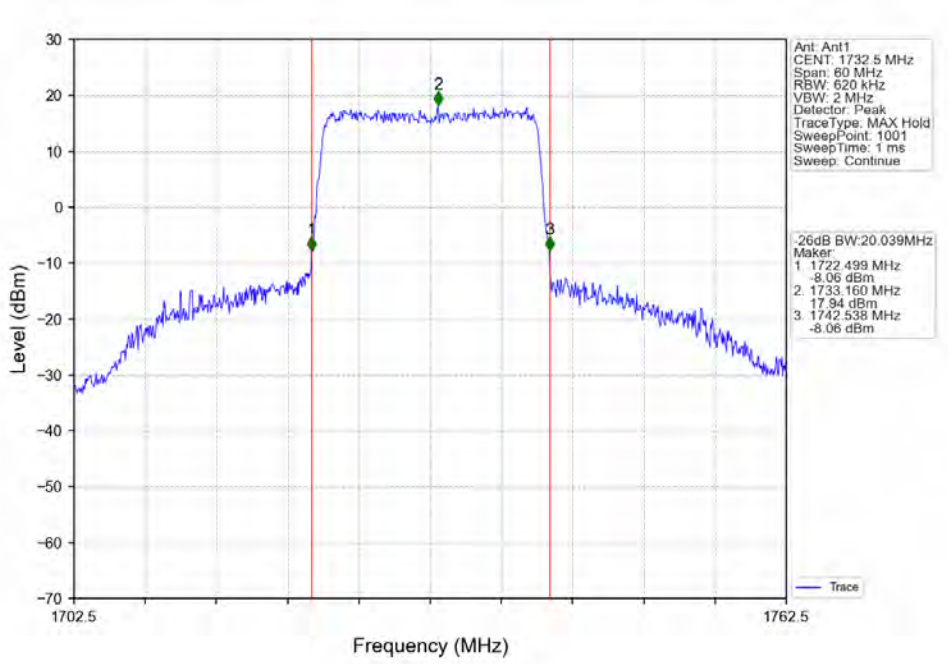
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



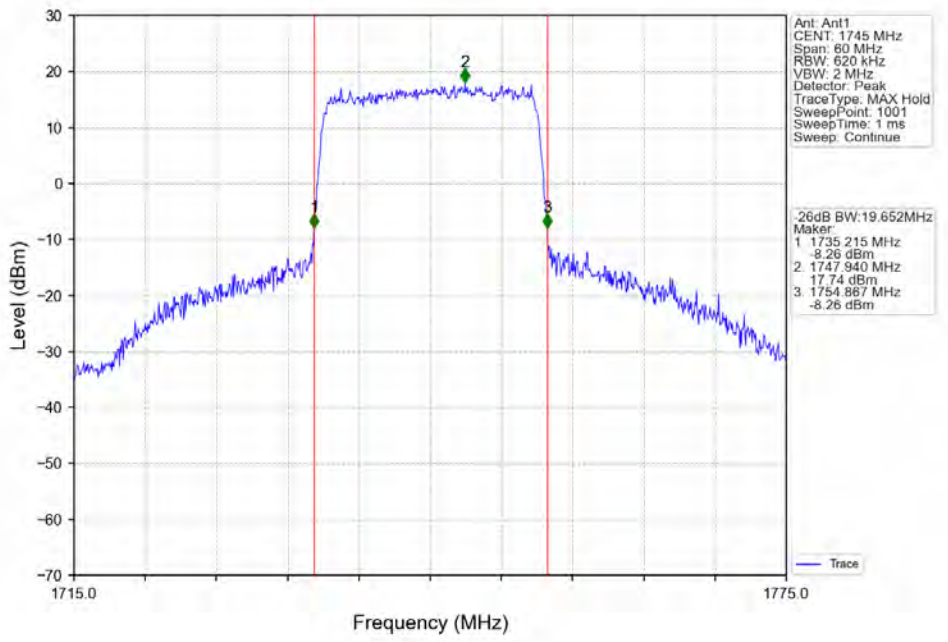
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Peak-Average Ratio

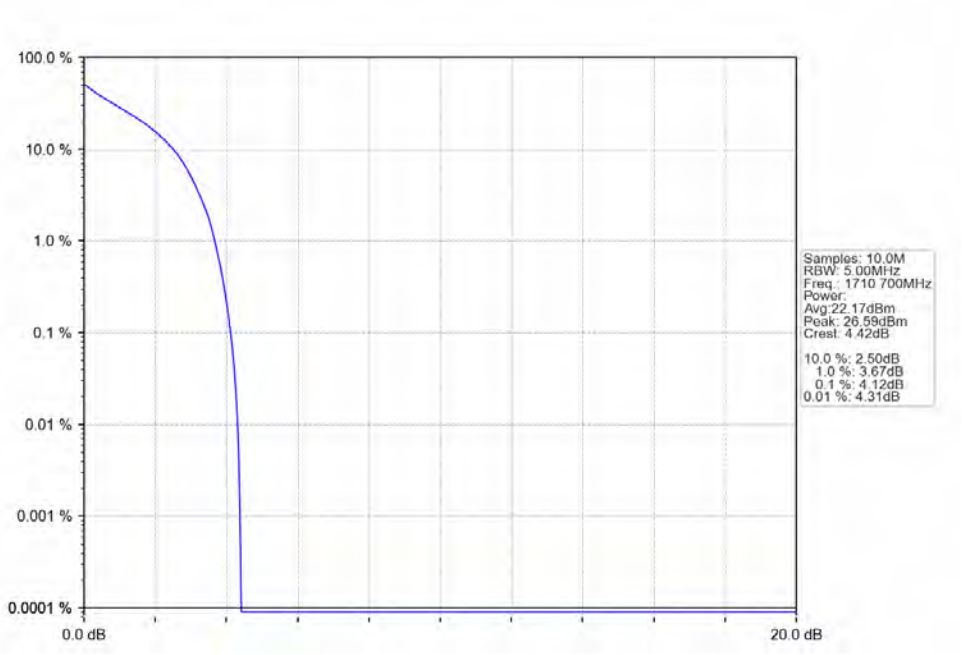
5.1 B4_1.4MHz

5.1.1 Test Result

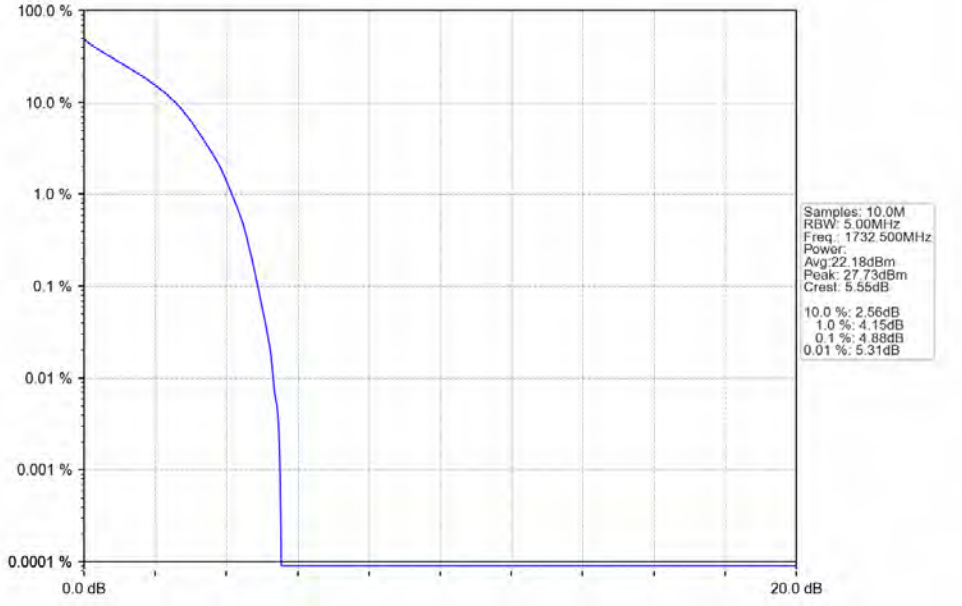
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.12	<=13	Pass
	1732.5	6	0	4.88	<=13	Pass
	1754.3	6	0	3.99	<=13	Pass
16QAM	1710.7	6	0	4.95	<=13	Pass
	1732.5	6	0	5.68	<=13	Pass
	1754.3	6	0	4.77	<=13	Pass

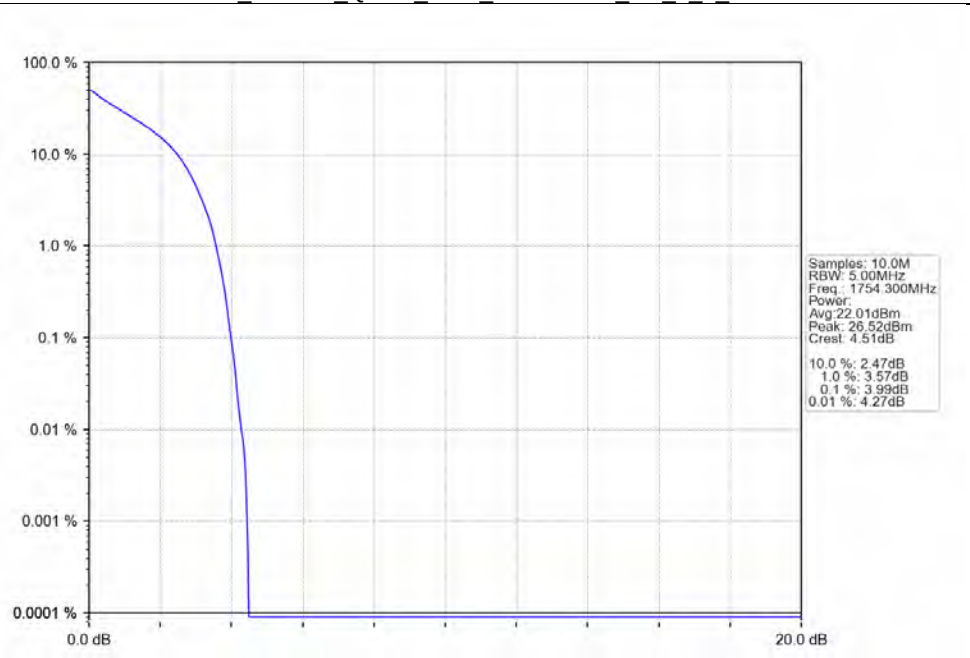
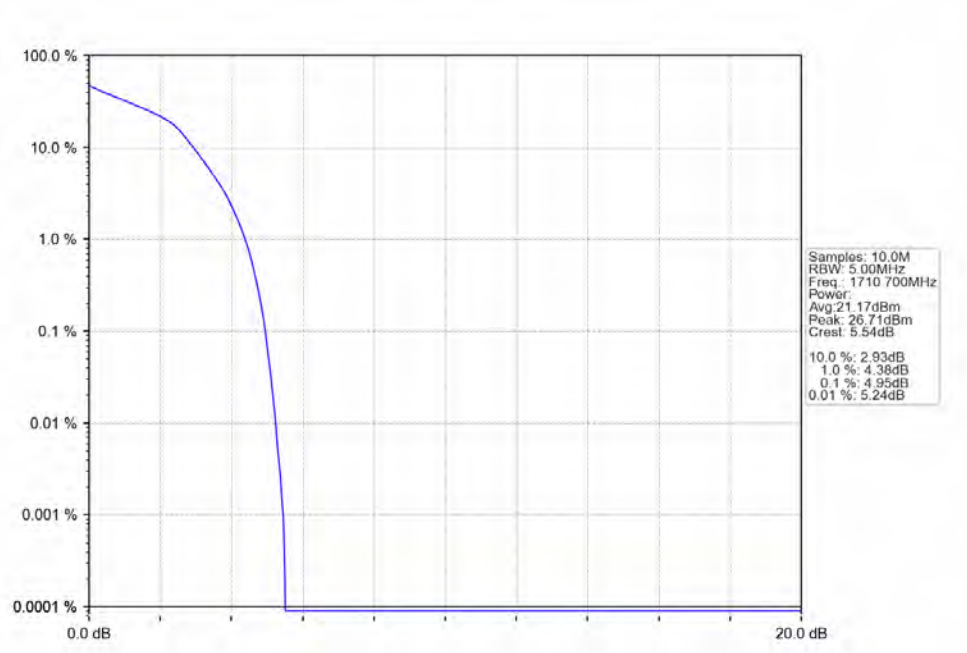
5.1.2 Test Graph

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

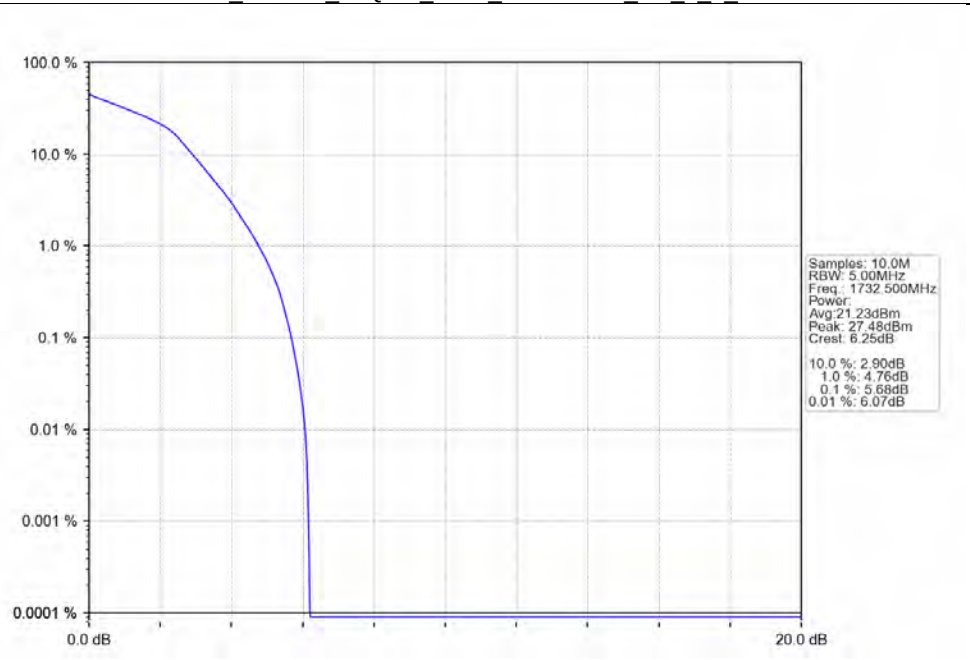


Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

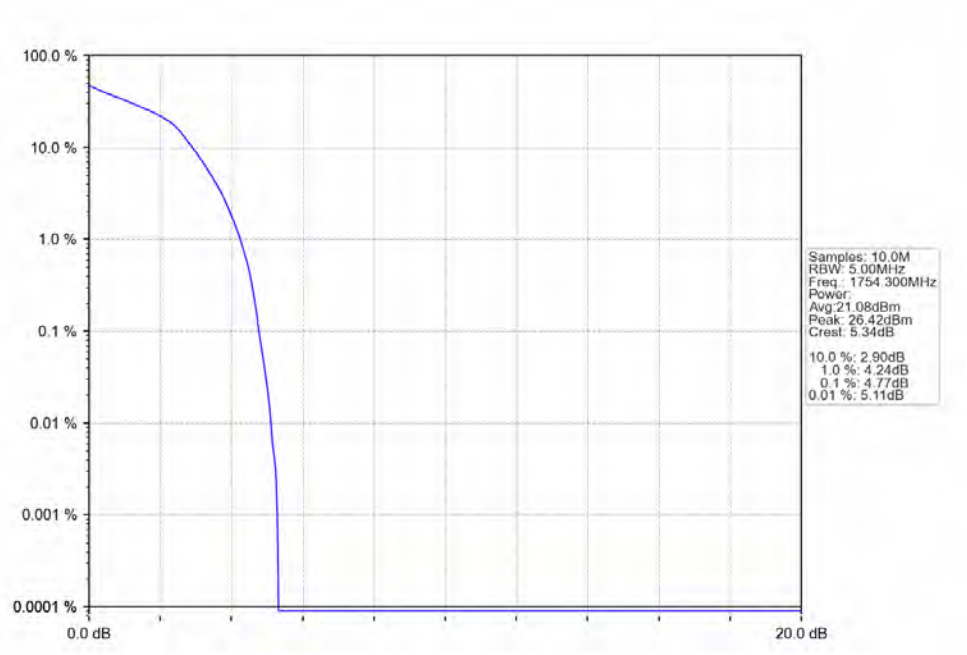


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

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



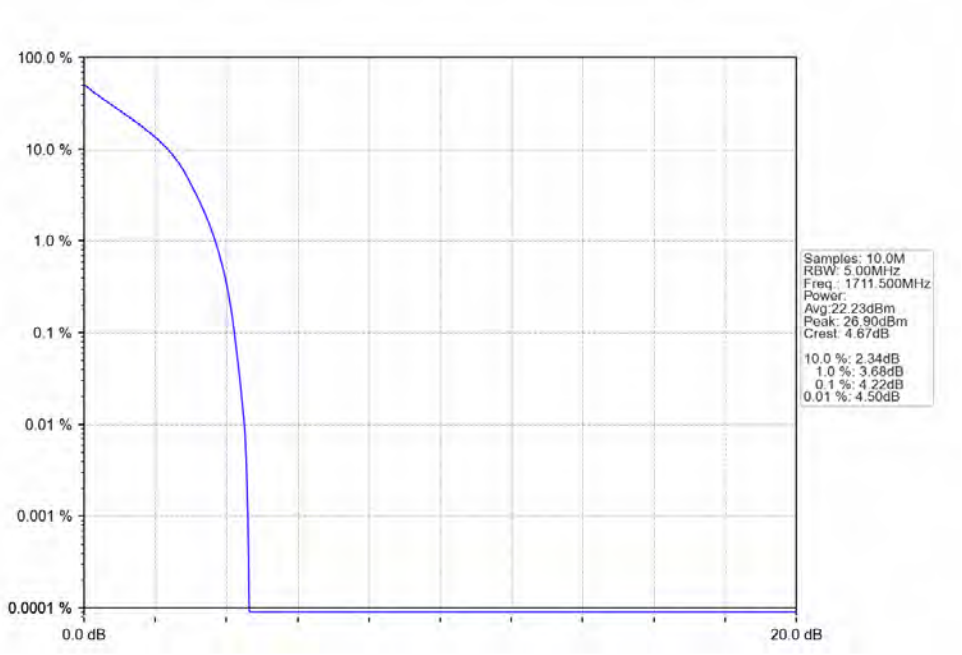
5.2 B4_3MHz

5.2.1 Test Result

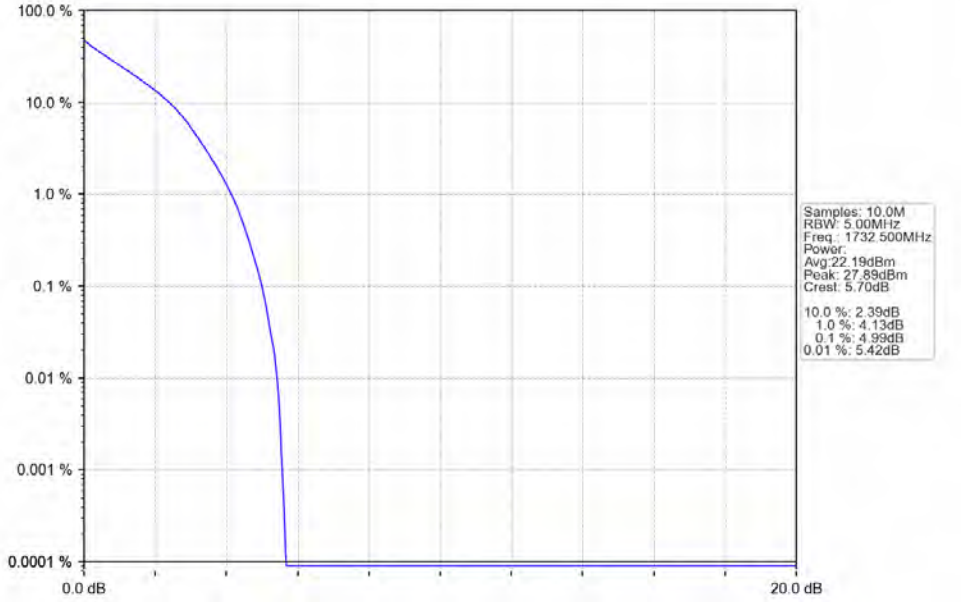
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.22	<=13	Pass
	1732.5	15	0	4.99	<=13	Pass
	1753.5	15	0	4.11	<=13	Pass
16QAM	1711.5	15	0	5.02	<=13	Pass
	1732.5	15	0	5.82	<=13	Pass
	1753.5	15	0	4.96	<=13	Pass

5.2.2 Test Graph

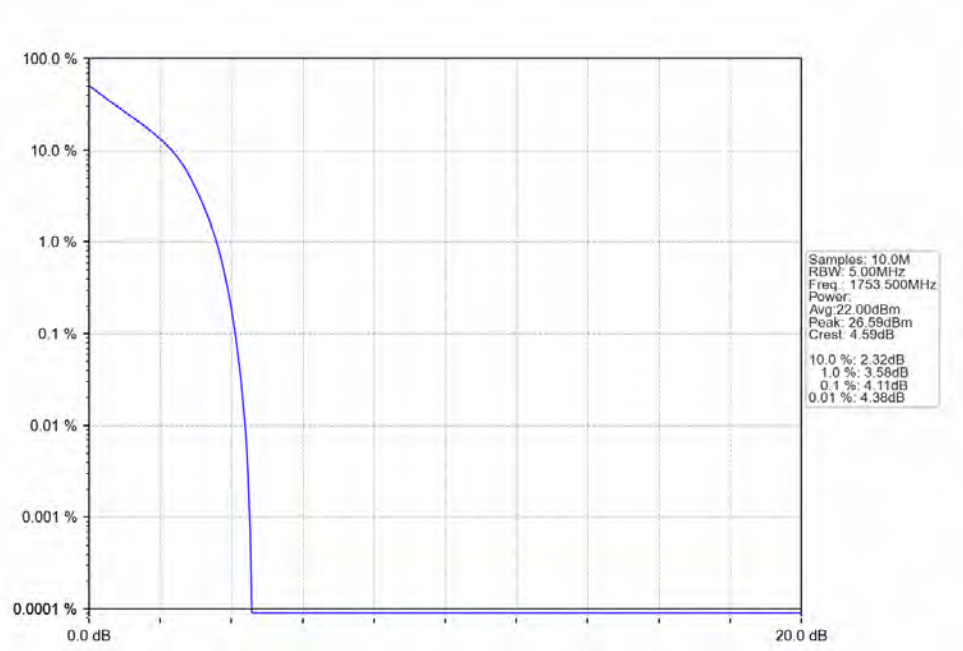
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



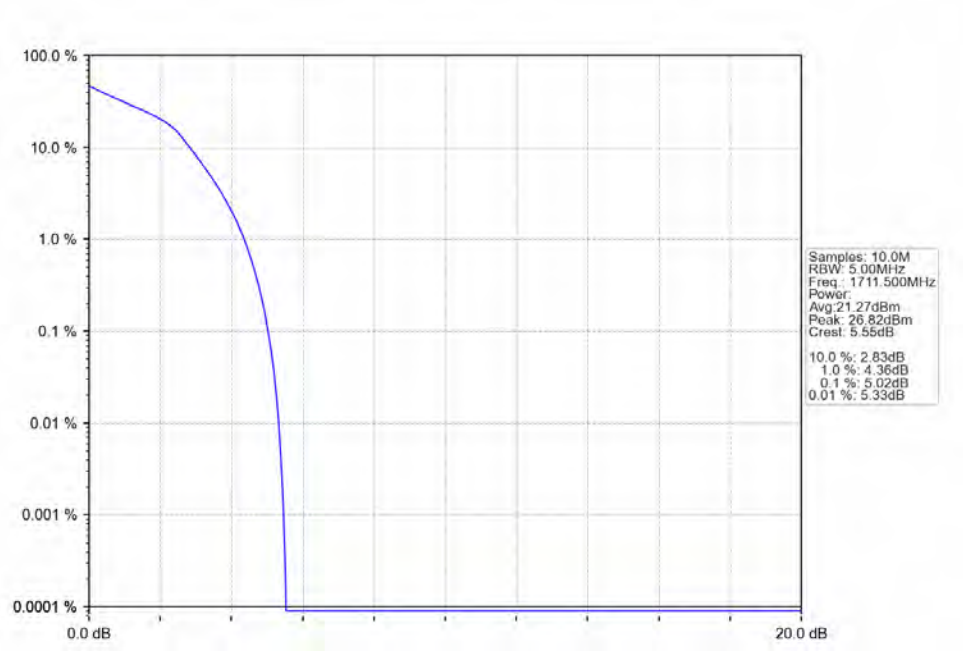
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



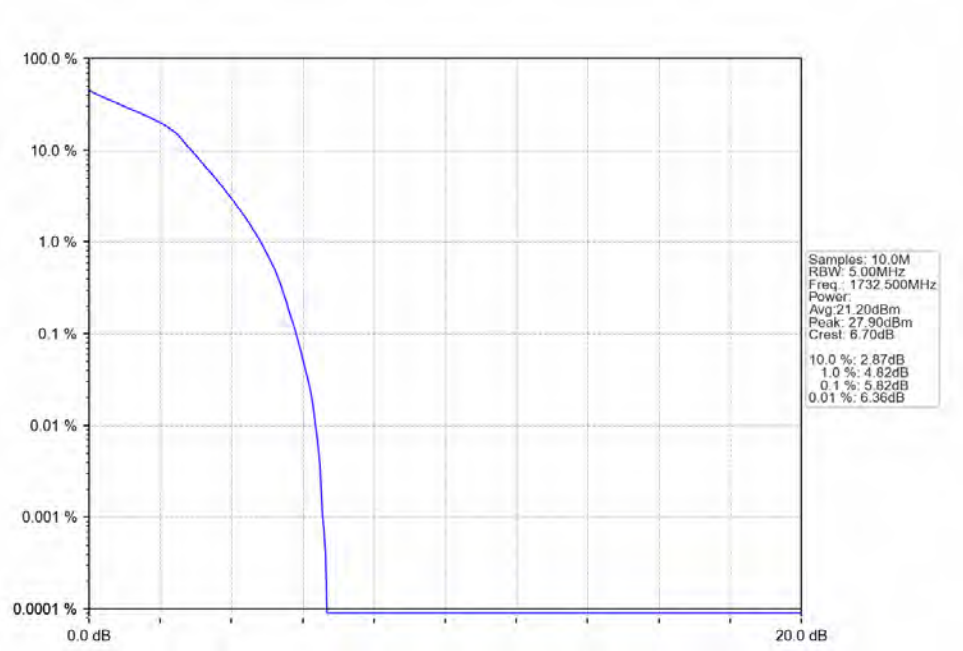
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



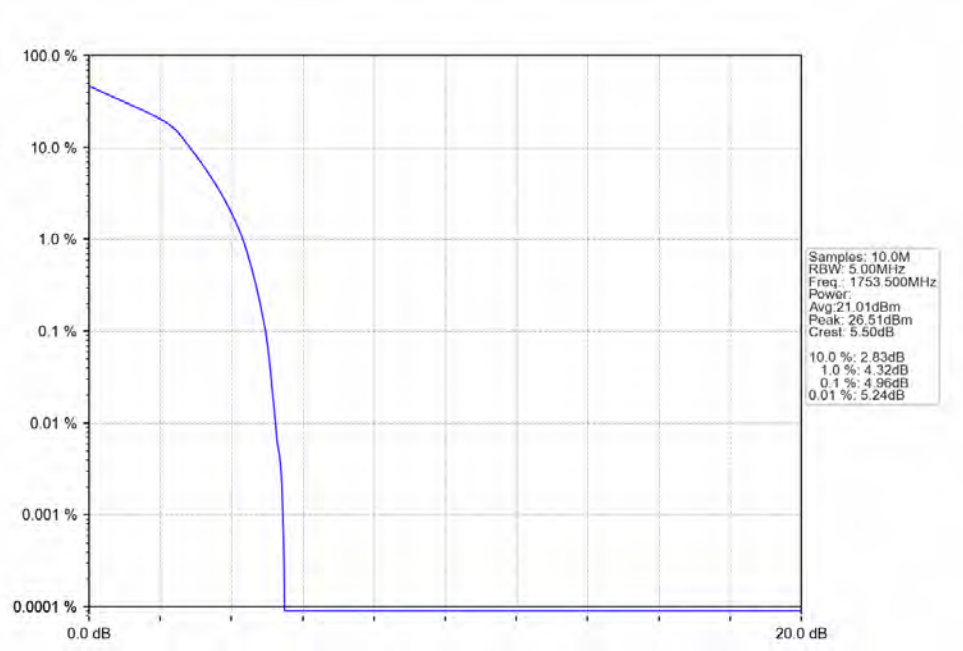
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



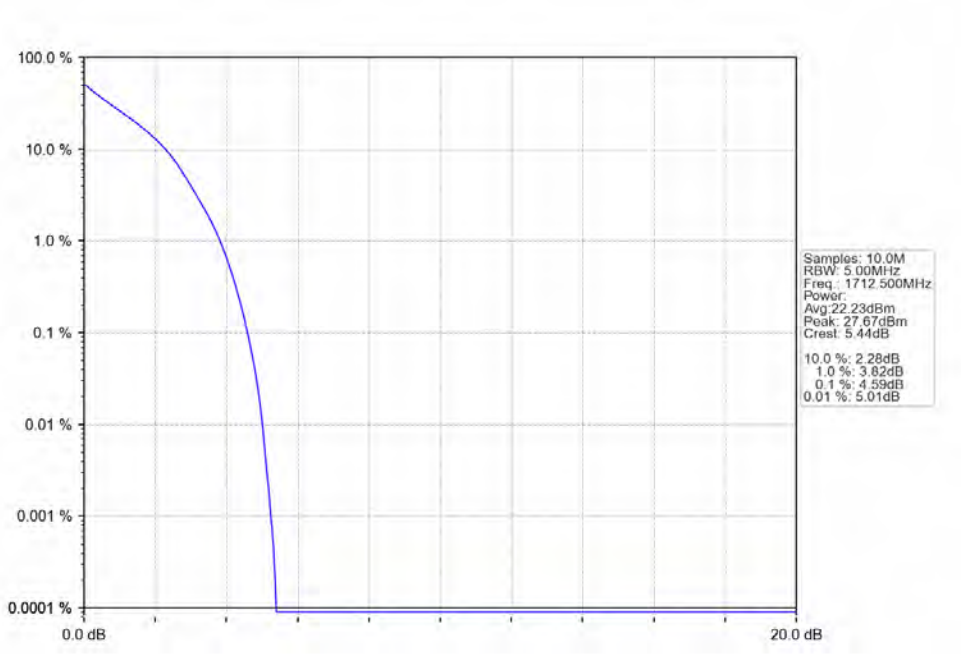
5.3 B4_5MHz

5.3.1 Test Result

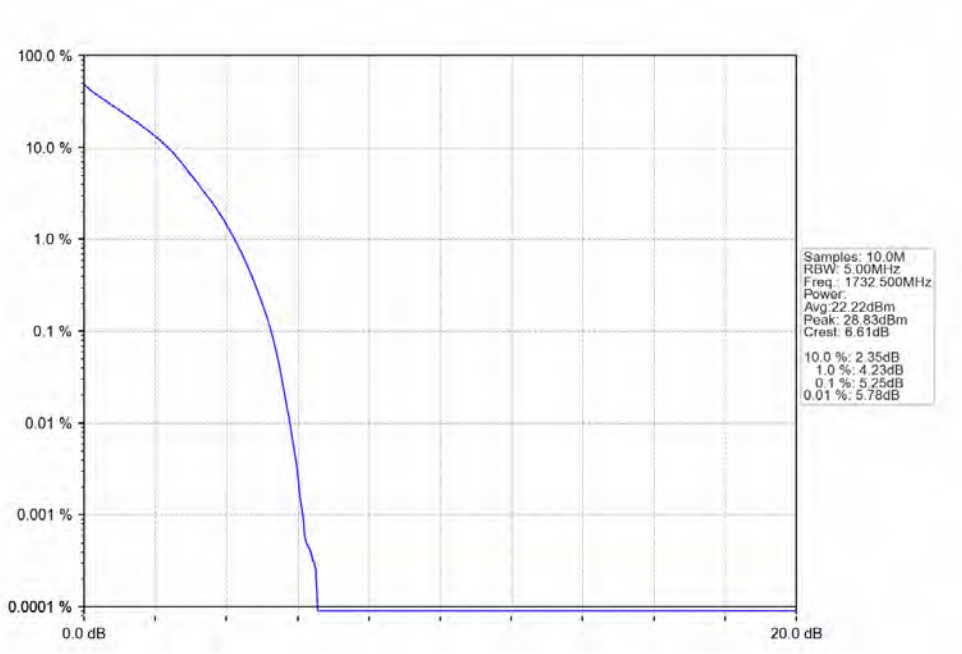
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	4.59	<=13	Pass
	1732.5	25	0	5.25	<=13	Pass
	1752.5	25	0	4.52	<=13	Pass
16QAM	1712.5	25	0	5.29	<=13	Pass
	1732.5	25	0	5.95	<=13	Pass
	1752.5	25	0	5.20	<=13	Pass

5.3.2 Test Graph

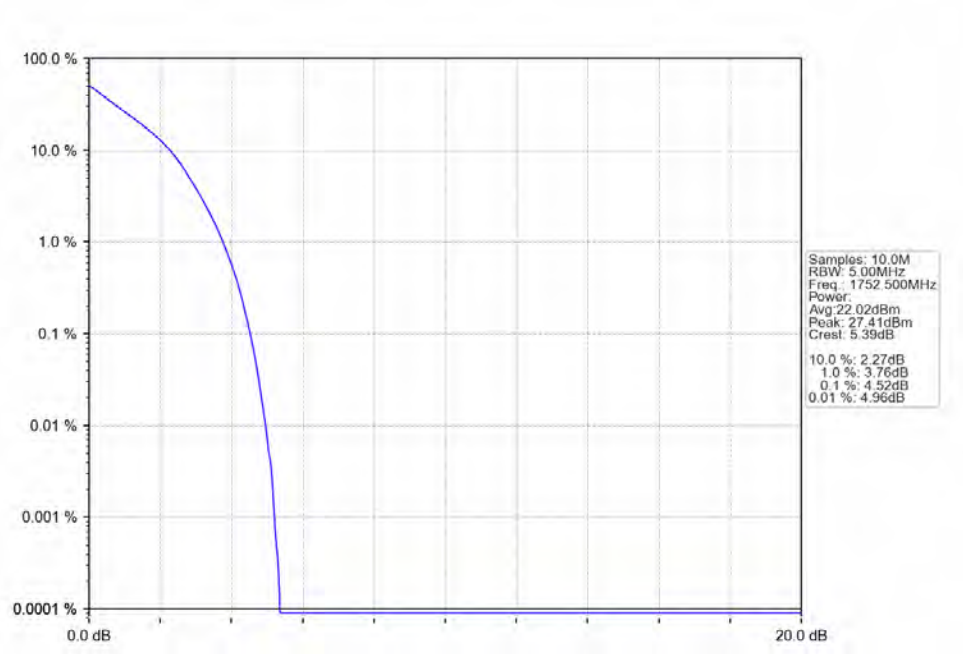
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



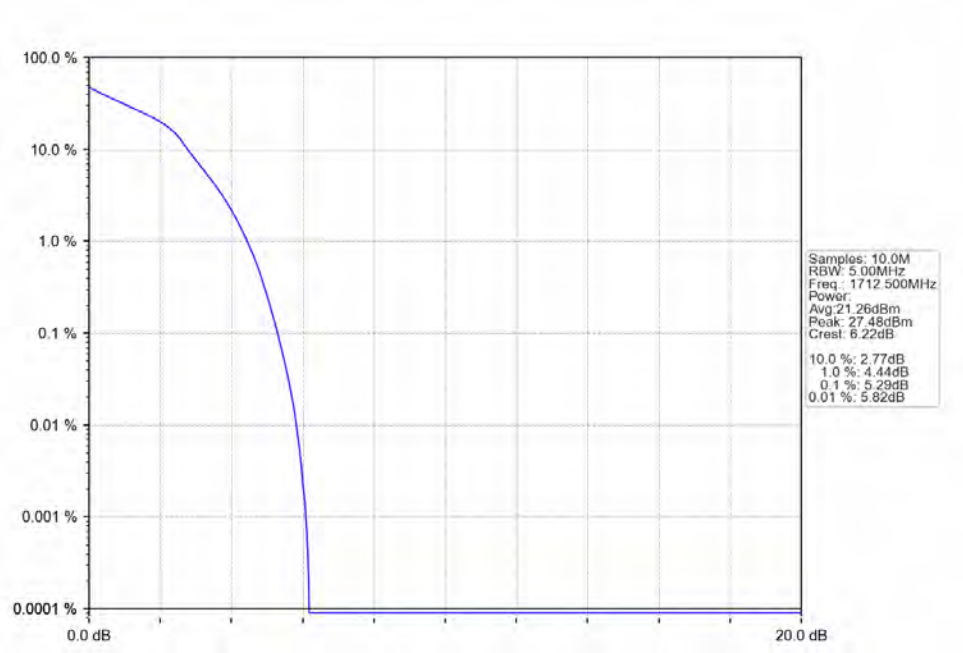
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



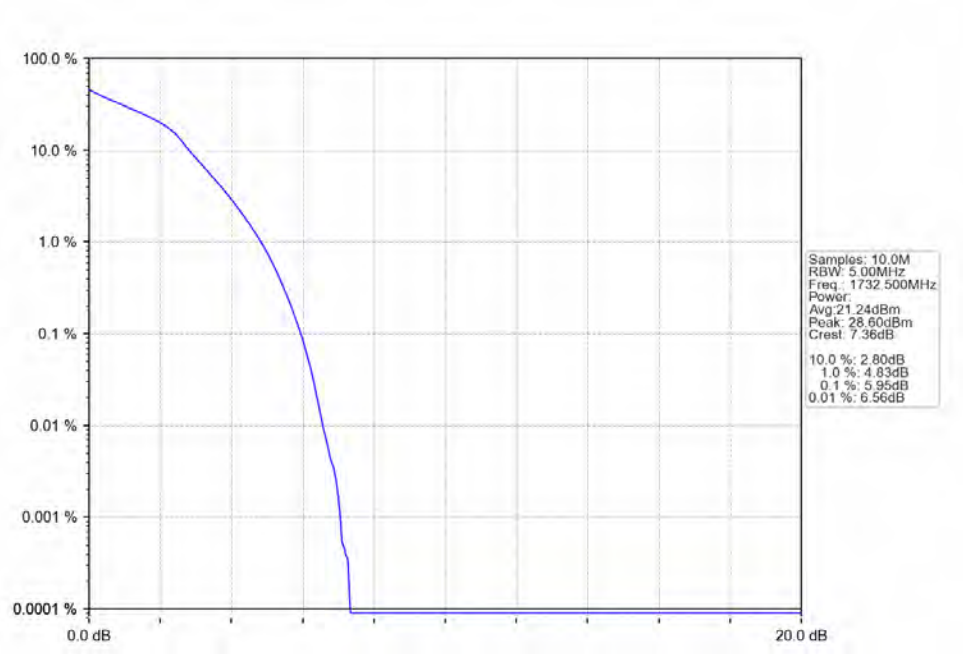
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



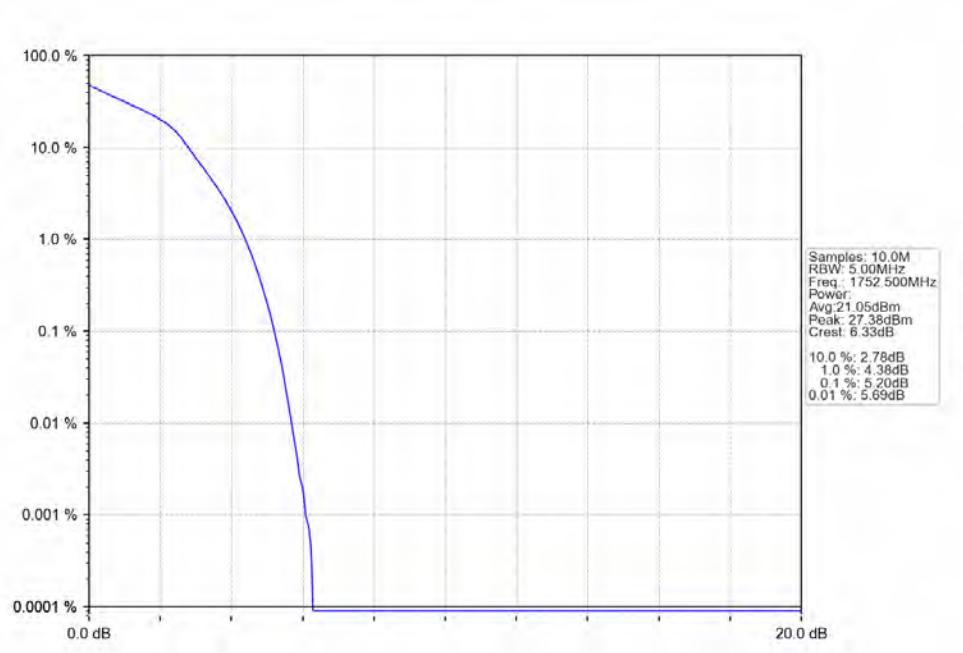
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



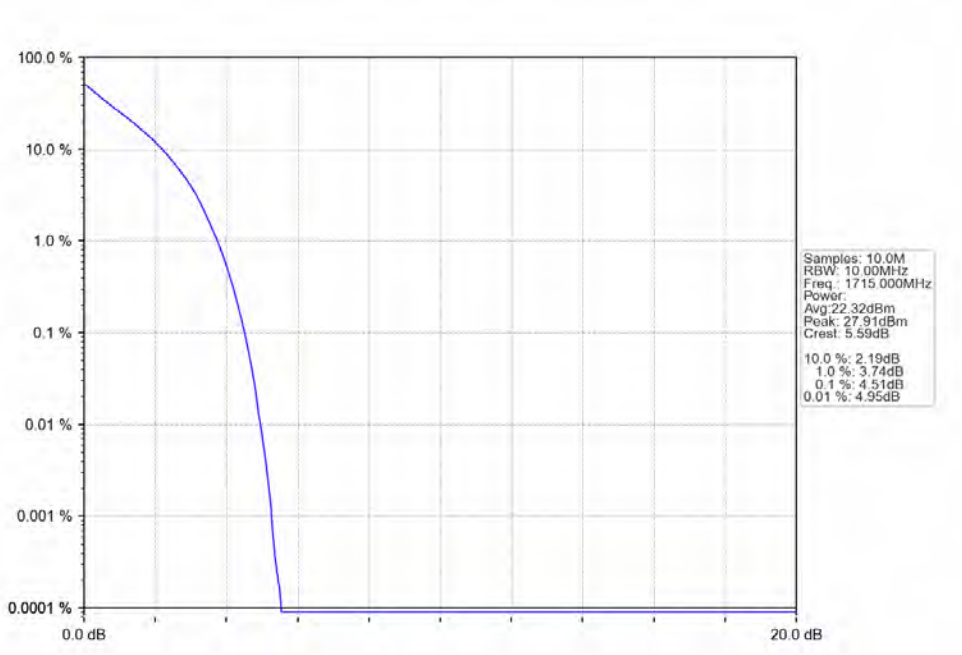
5.4 B4_10MHz

5.4.1 Test Result

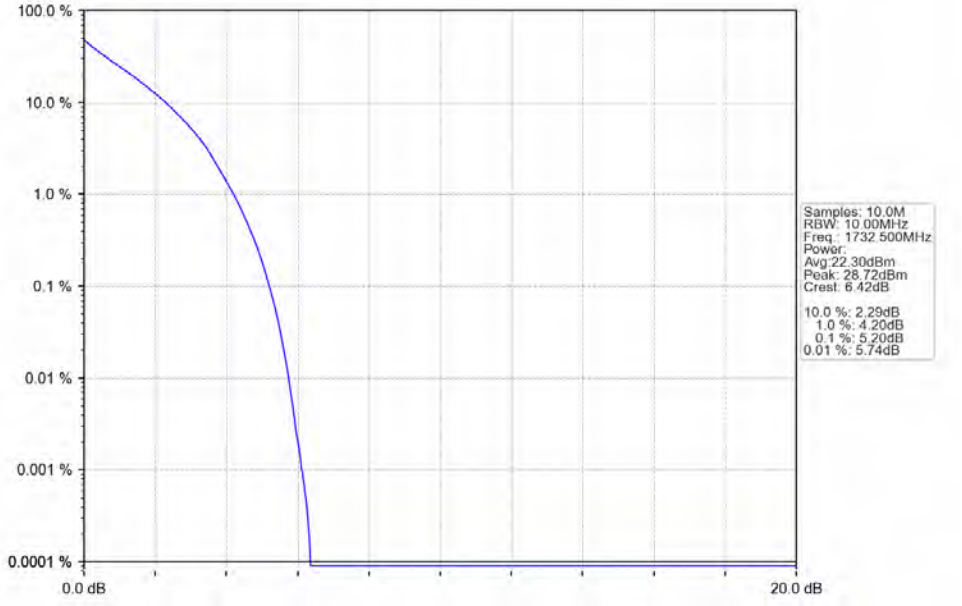
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	4.51	<=13	Pass
	1732.5	50	0	5.20	<=13	Pass
	1750	50	0	4.57	<=13	Pass
16QAM	1715	50	0	5.24	<=13	Pass
	1732.5	50	0	5.96	<=13	Pass
	1750	50	0	5.30	<=13	Pass

5.4.2 Test Graph

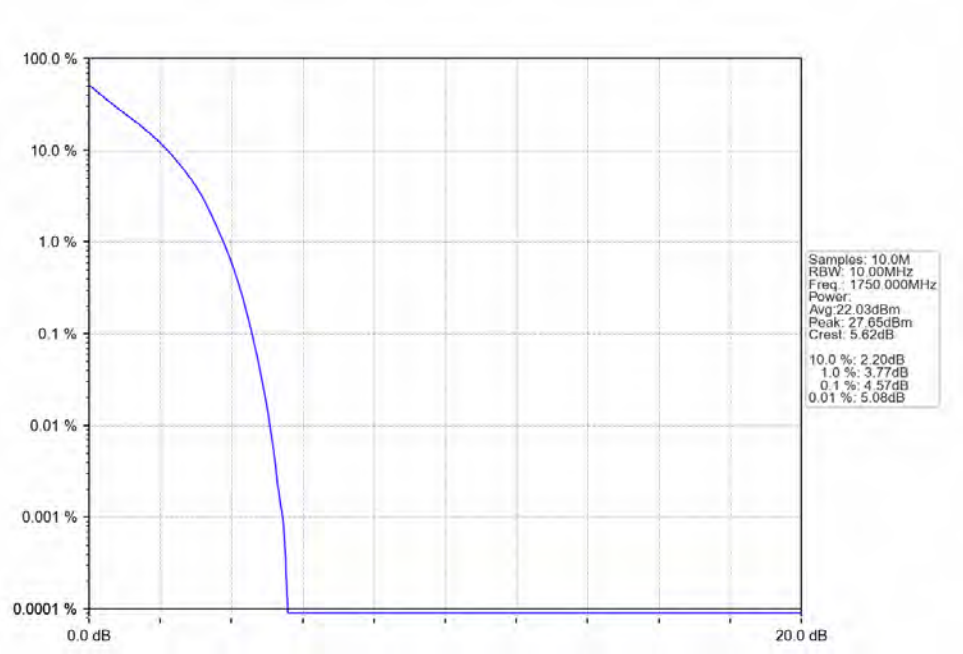
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



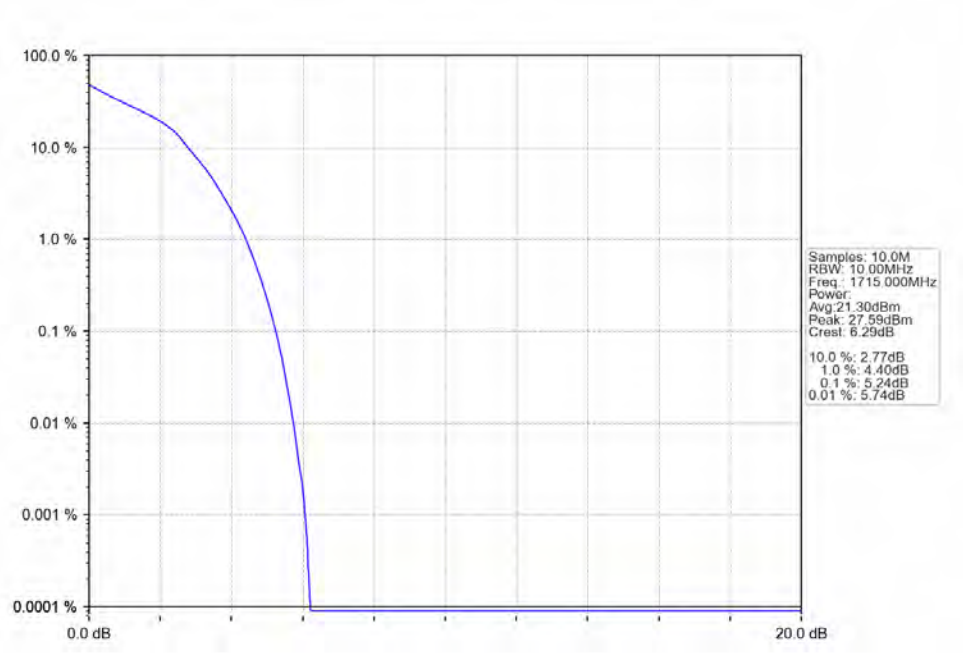
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



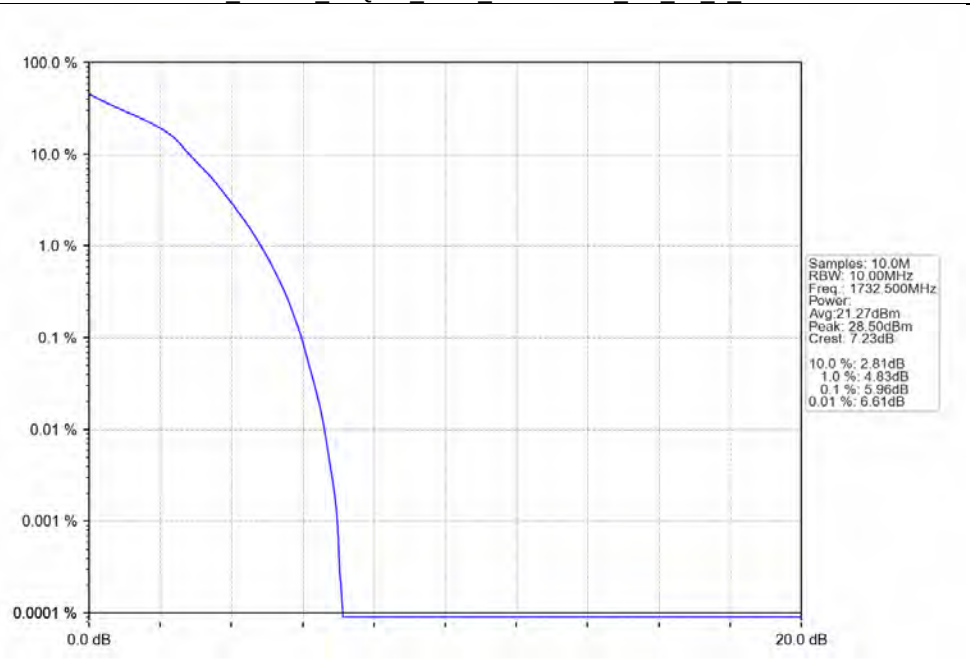
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



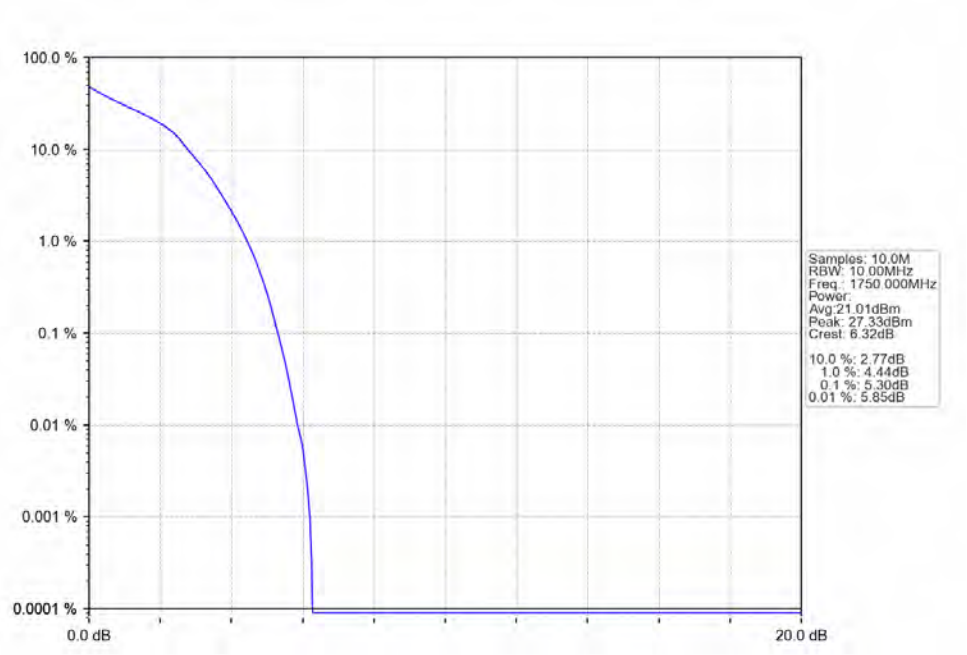
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



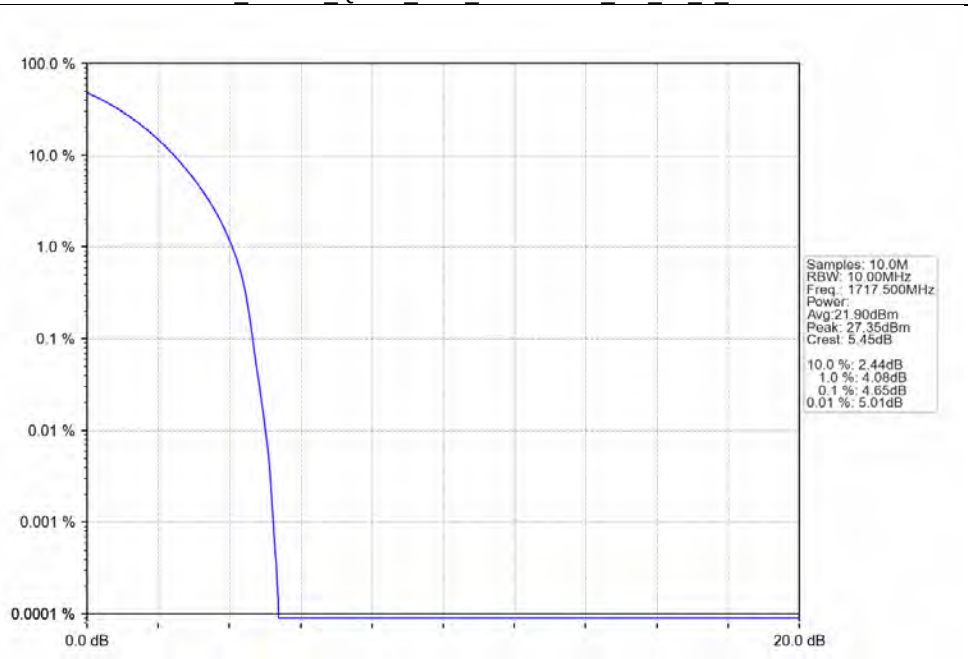
5.5 B4_15MHz

5.5.1 Test Result

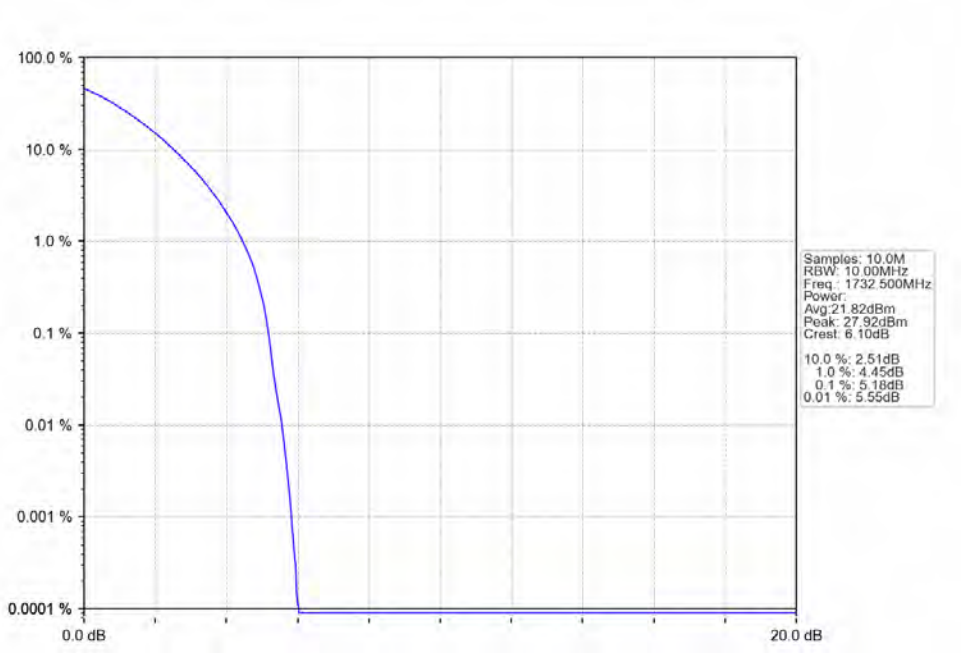
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.65	<=13	Pass
	1732.5	75	0	5.18	<=13	Pass
	1747.5	75	0	4.79	<=13	Pass
16QAM	1717.5	75	0	5.45	<=13	Pass
	1732.5	75	0	5.94	<=13	Pass
	1747.5	75	0	5.55	<=13	Pass

5.5.2 Test Graph

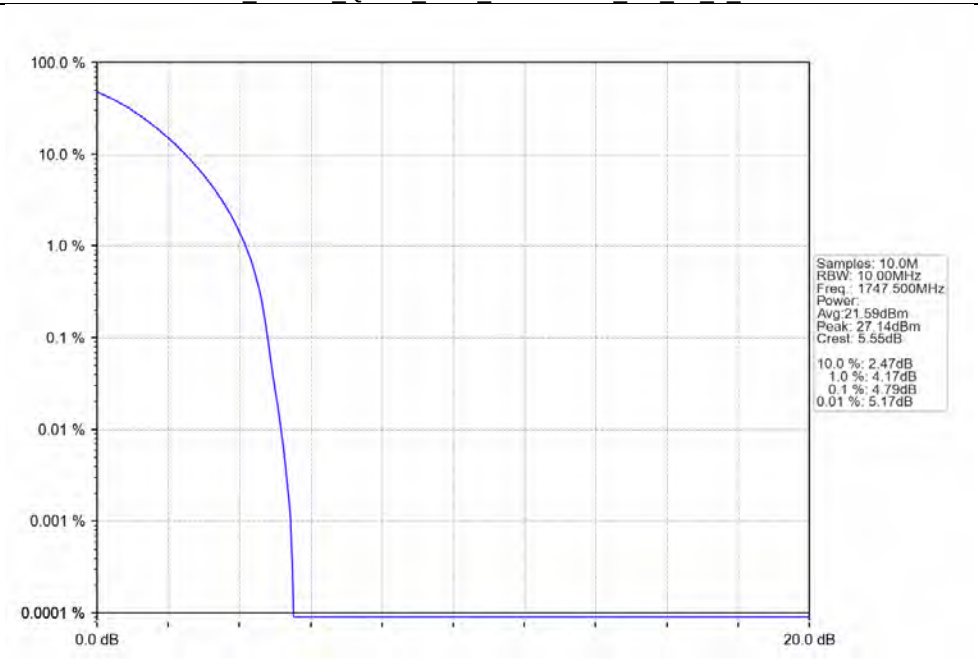
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



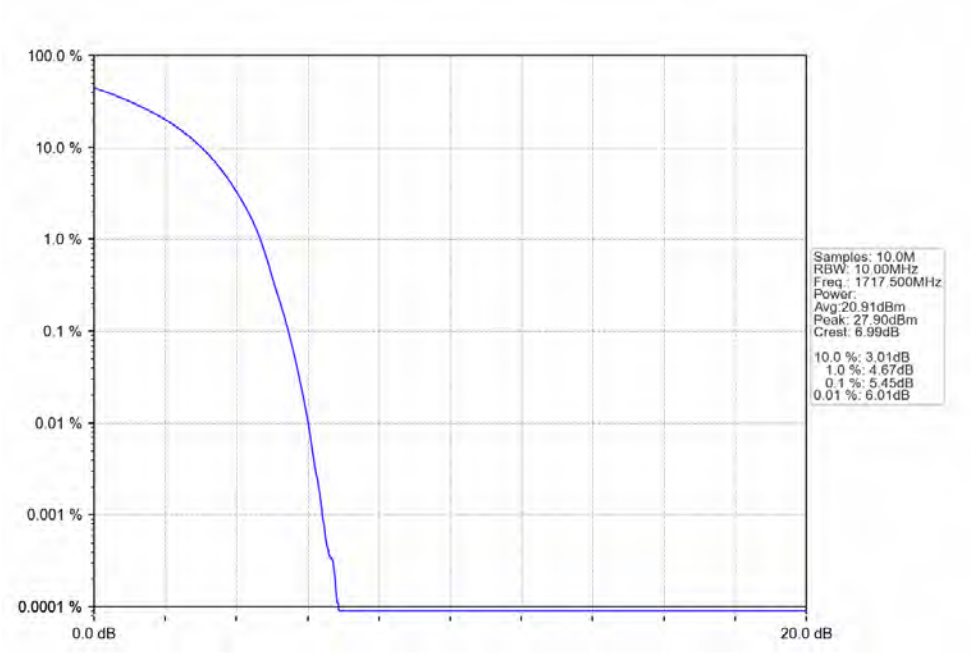
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



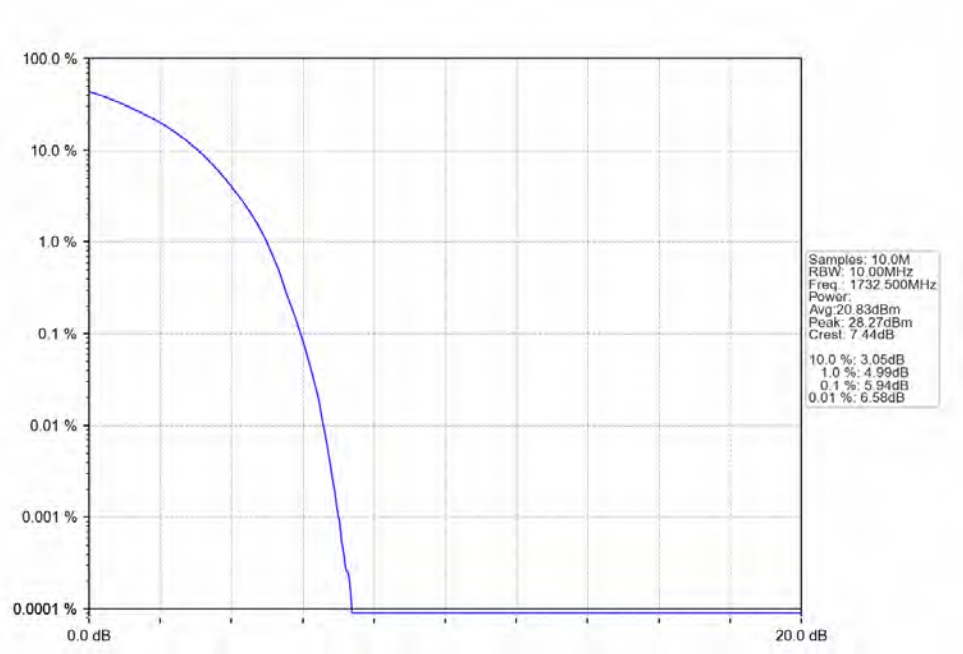
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



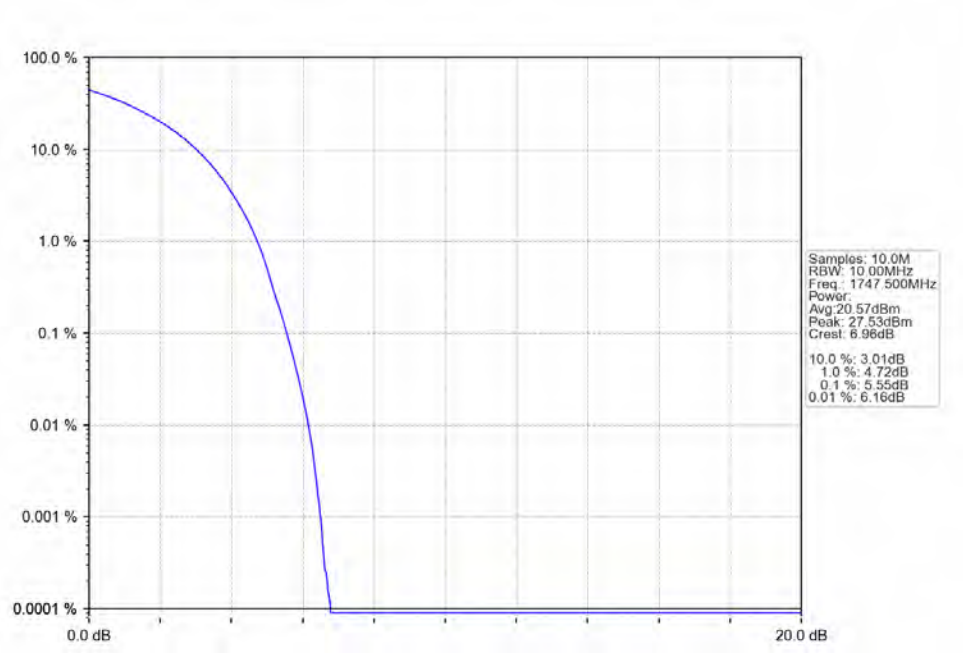
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



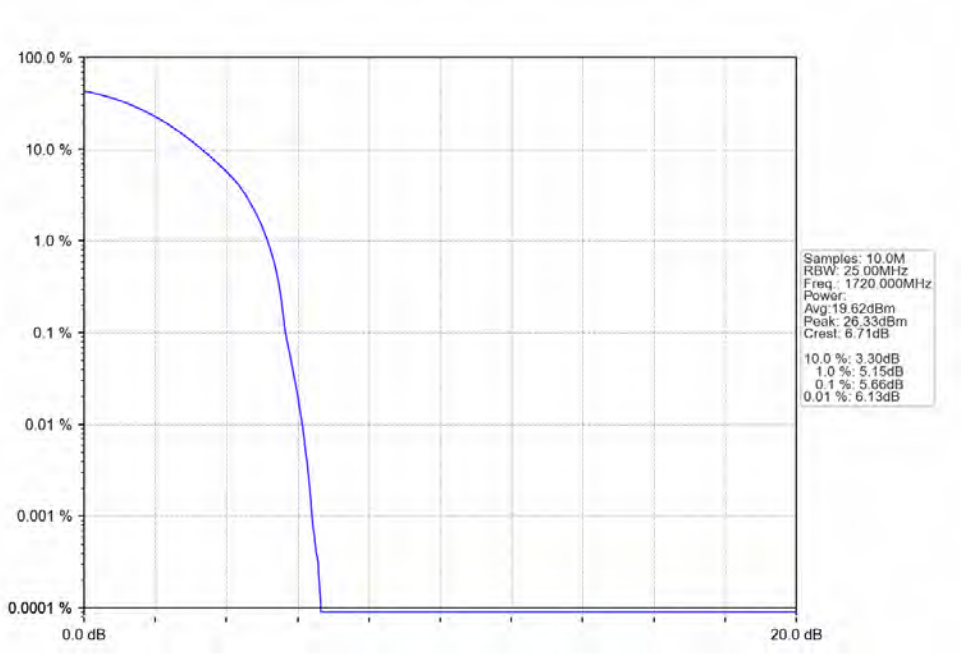
5.6 B4_20MHz

5.6.1 Test Result

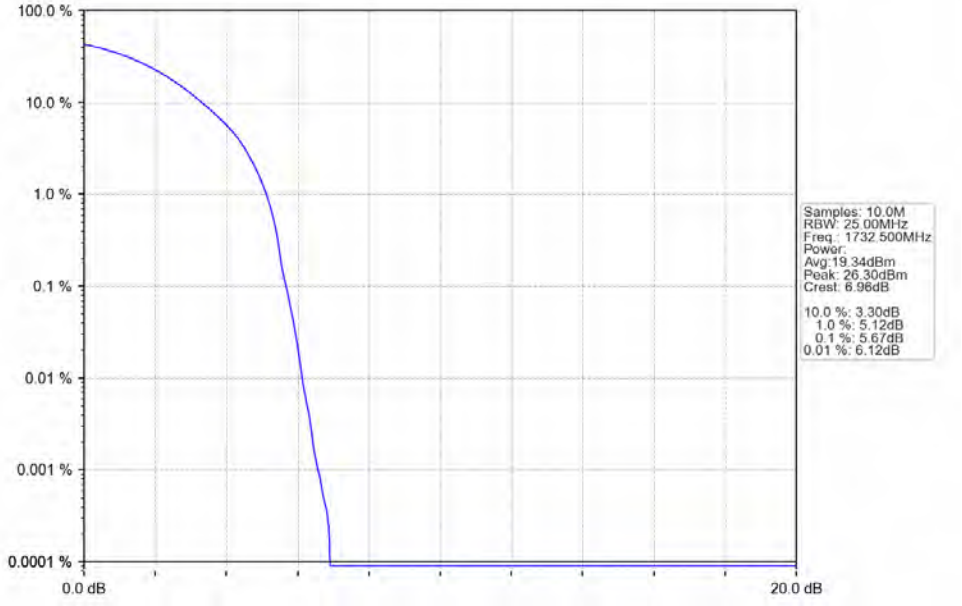
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.66	<=13	Pass
	1732.5	100	0	5.67	<=13	Pass
	1745	100	0	5.58	<=13	Pass
16QAM	1720	100	0	6.55	<=13	Pass
	1732.5	100	0	6.68	<=13	Pass
	1745	100	0	6.57	<=13	Pass

5.6.2 Test Graph

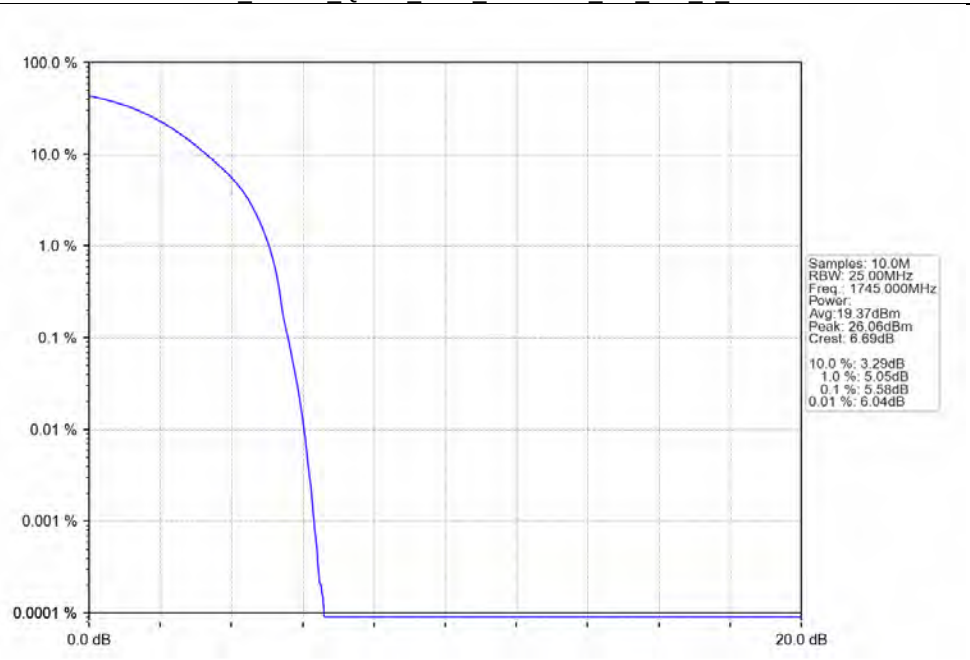
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



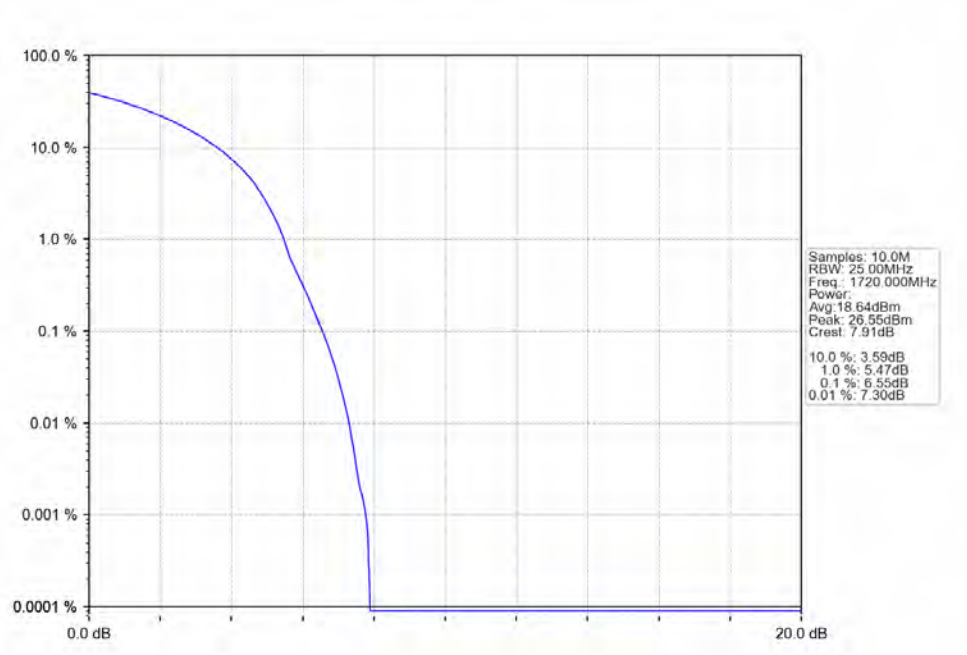
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



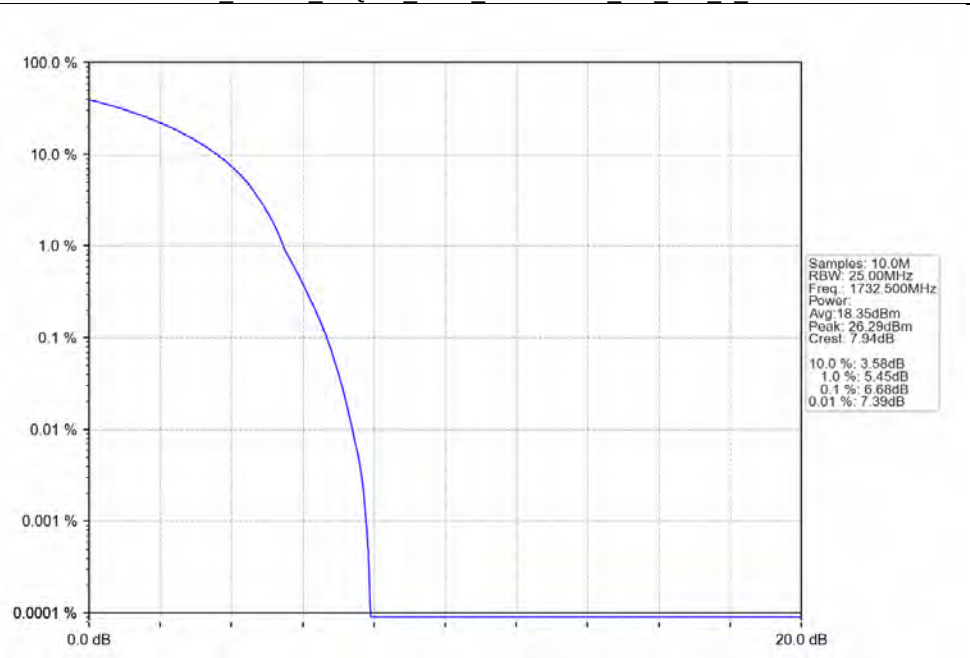
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



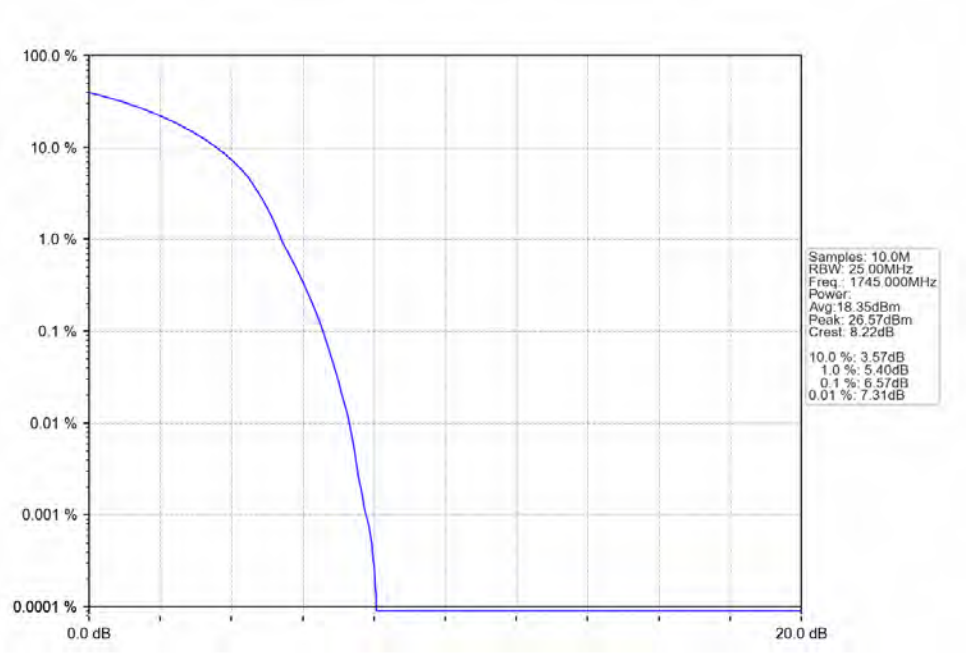
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



6. Spurious Emission

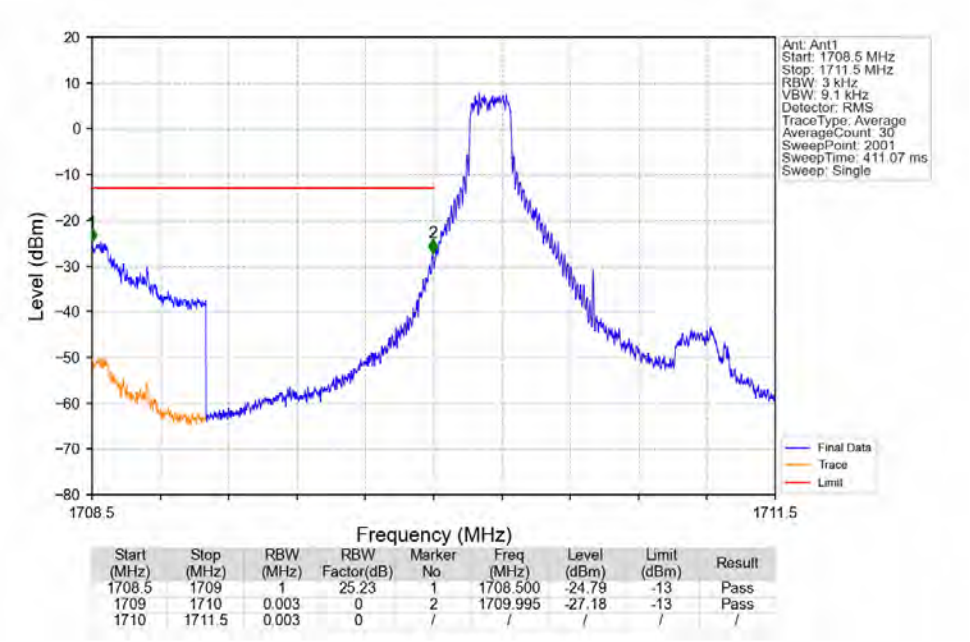
6.1 B4_1.4MHz

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

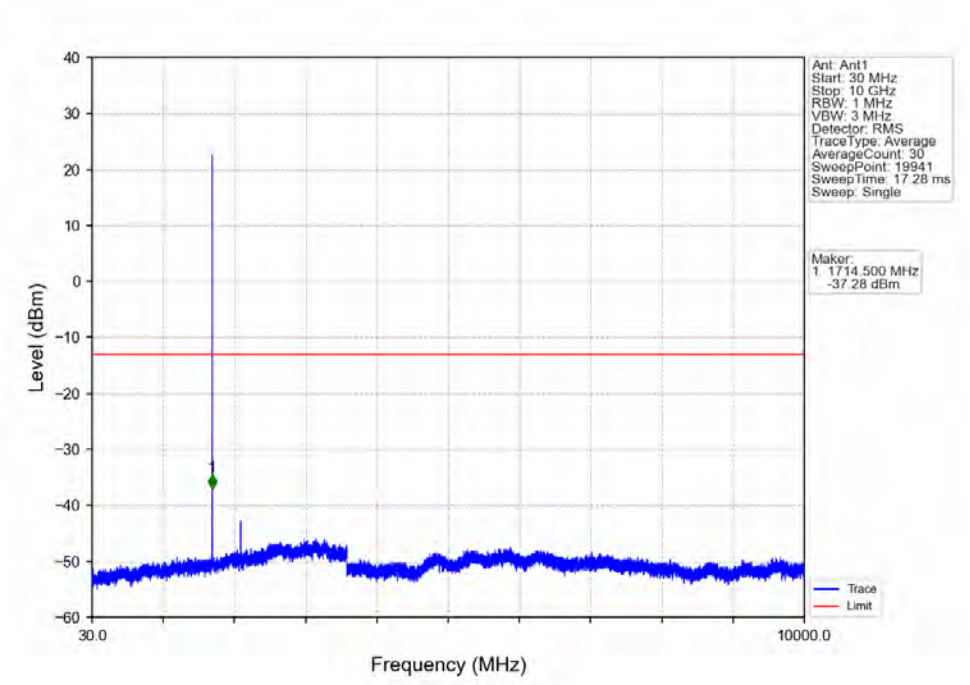
6.1.2 Test Graph

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

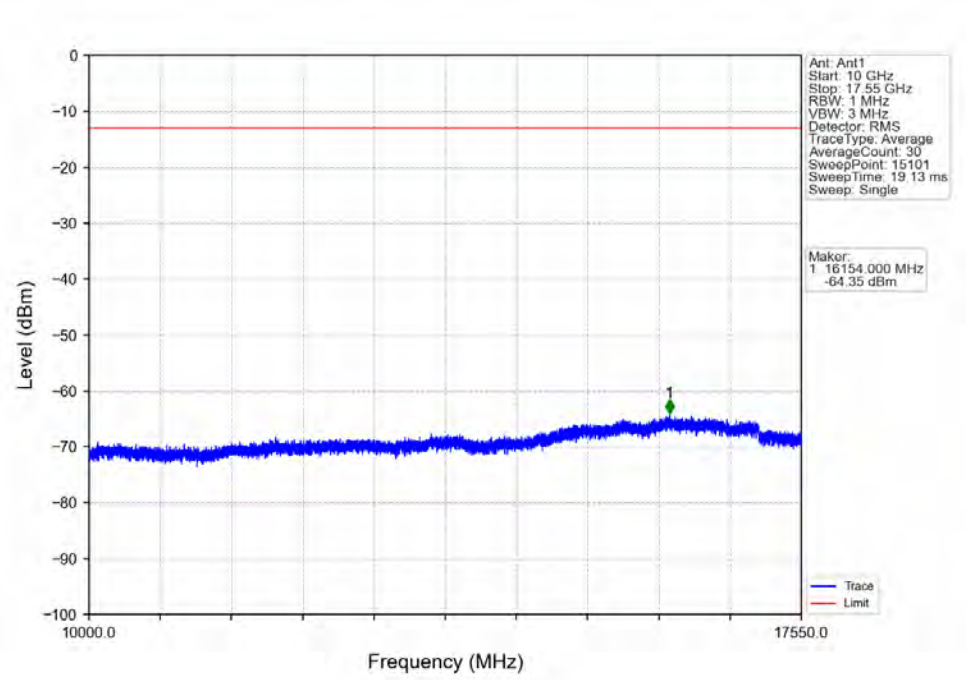


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	25.23	1	1708.500	-24.79	-13	Pass
1709	1710	0.003	0	2	1709.995	-27.18	-13	Pass
1710	1711.5	0.003	0	/	/	/	/	/

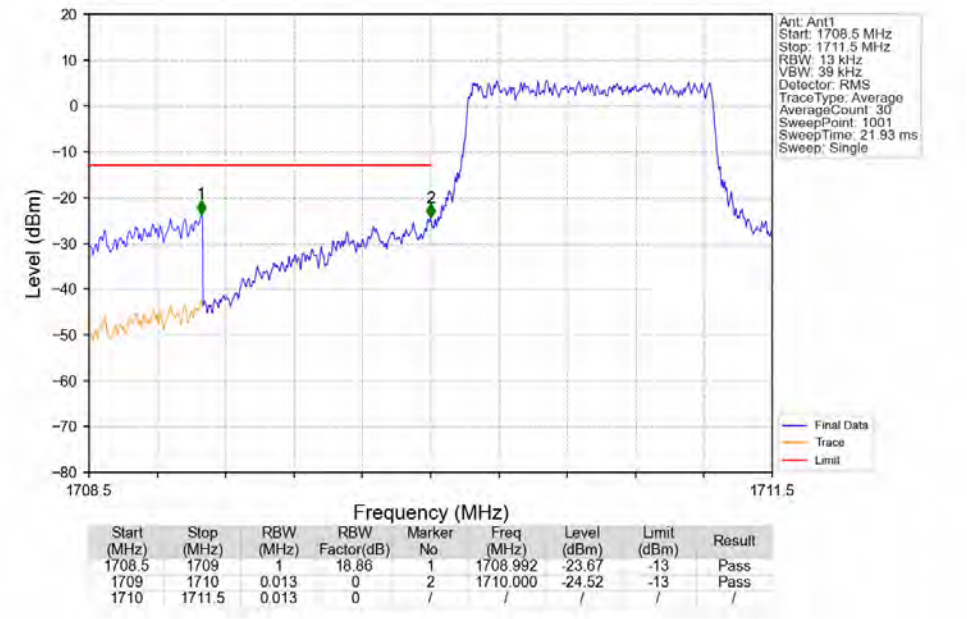
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



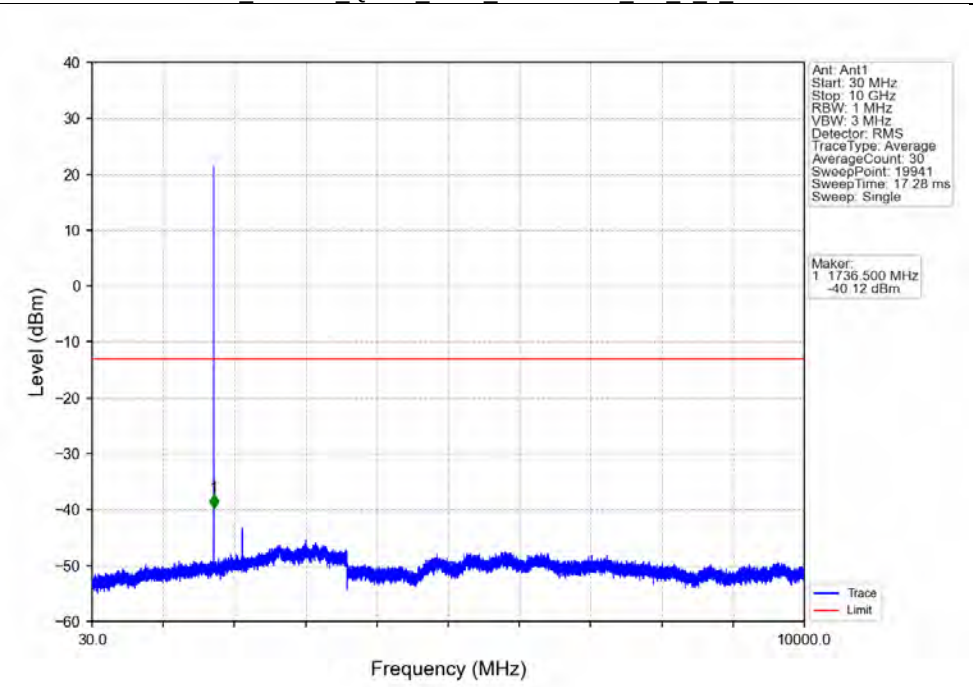
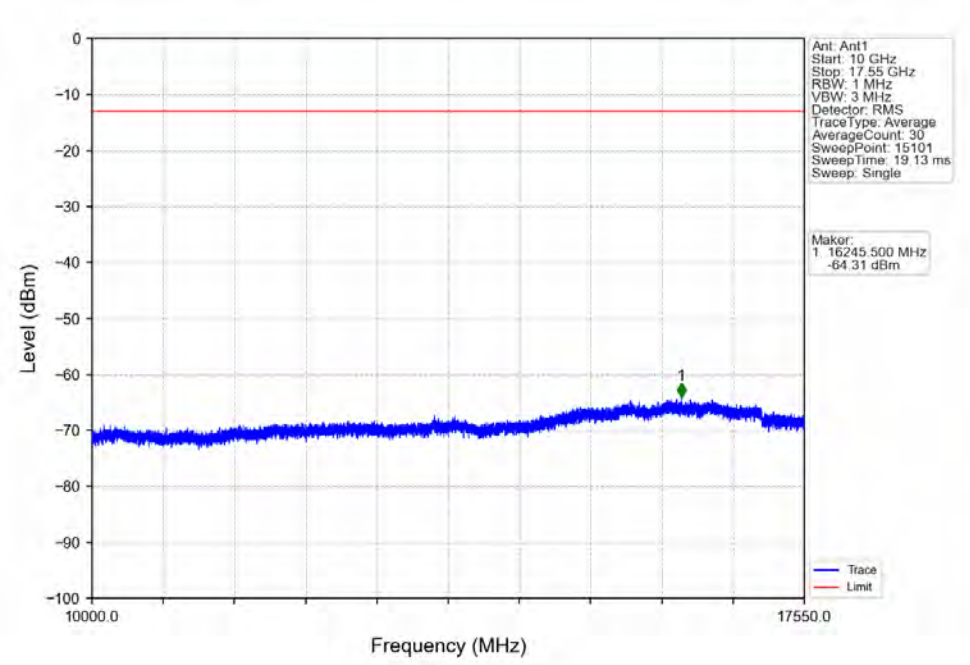
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

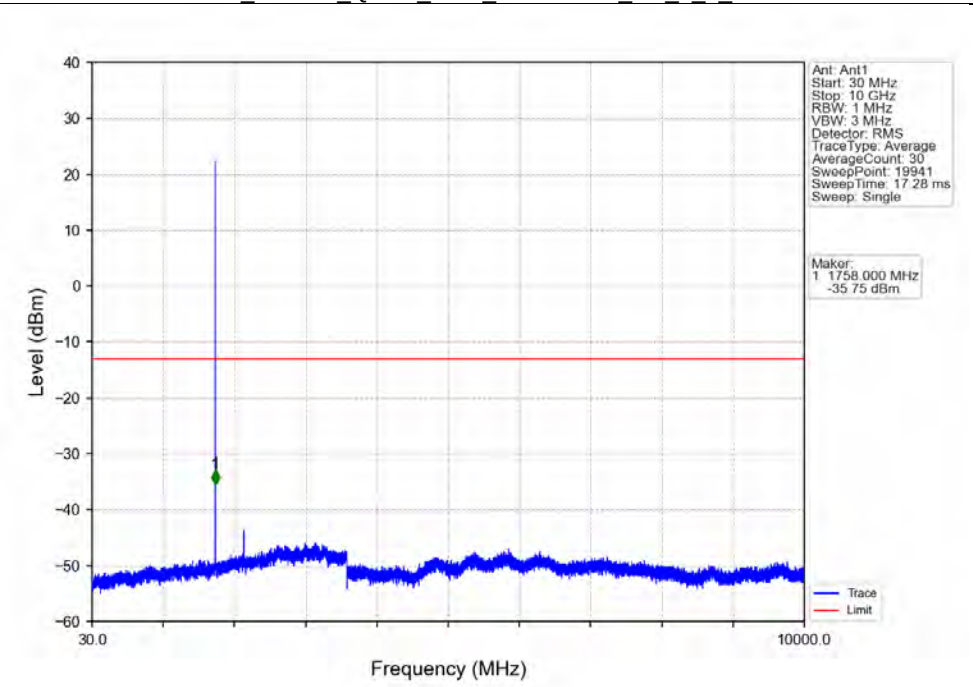
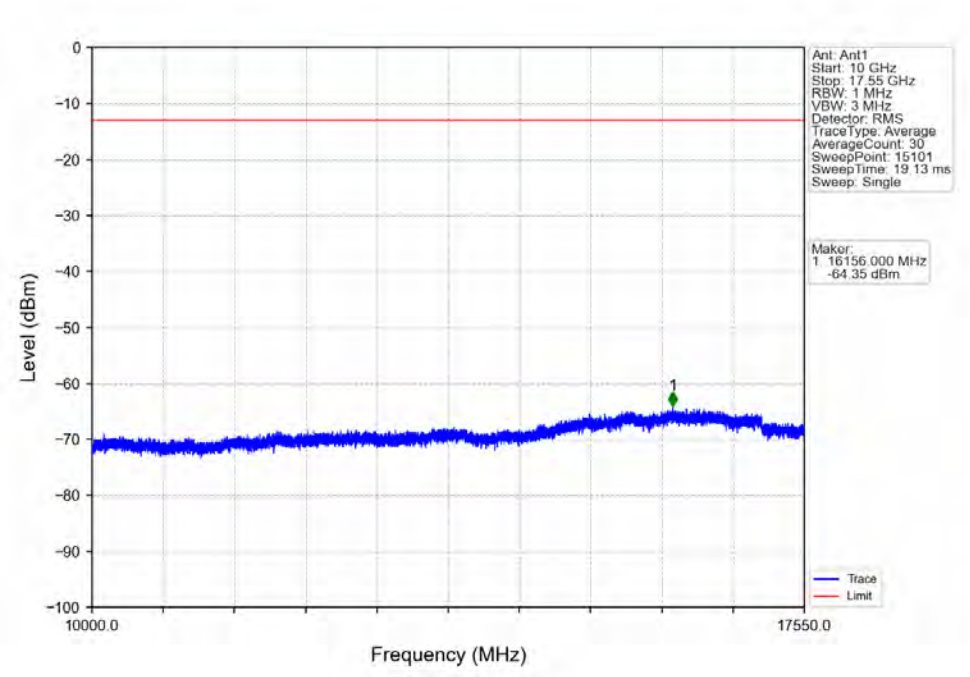


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

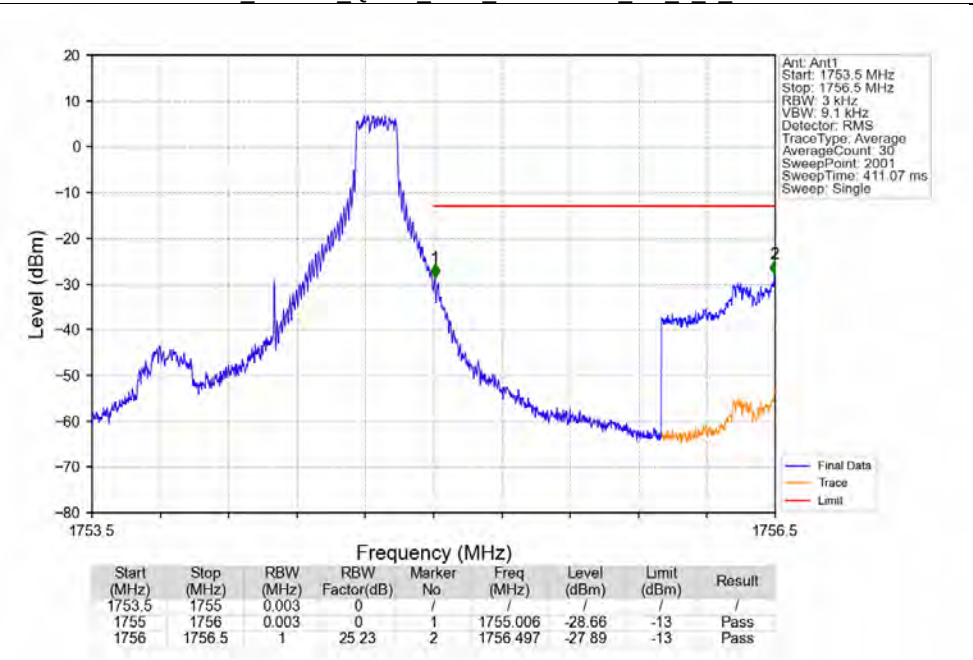


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	18.86	1	1708.992	-23.67	-13	Pass
1709	1710	0.013	0	2	1710.000	-24.52	-13	Pass
1710	1711.5	0.013	0	/	/	/	/	/

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV


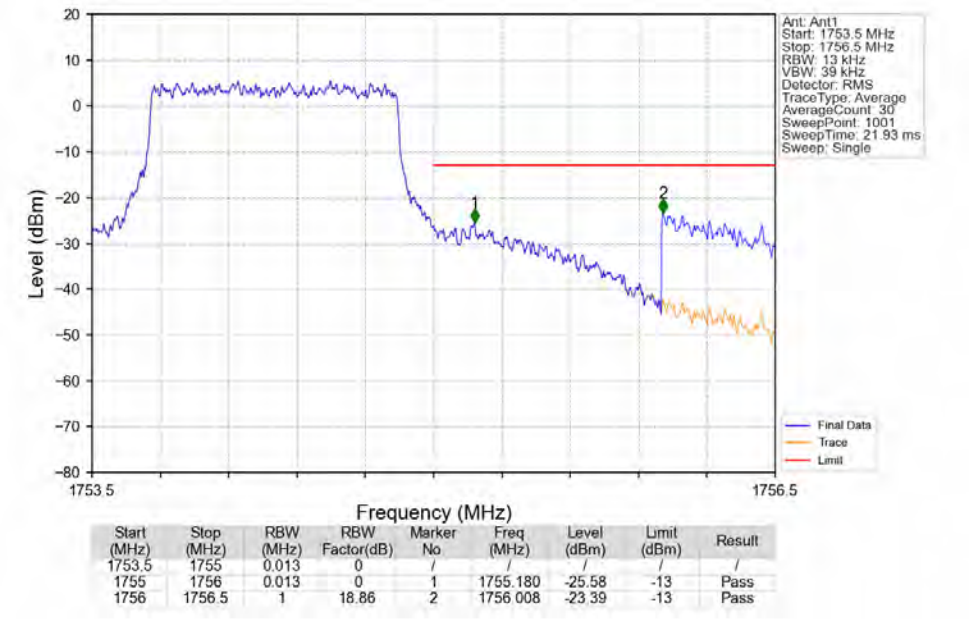
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



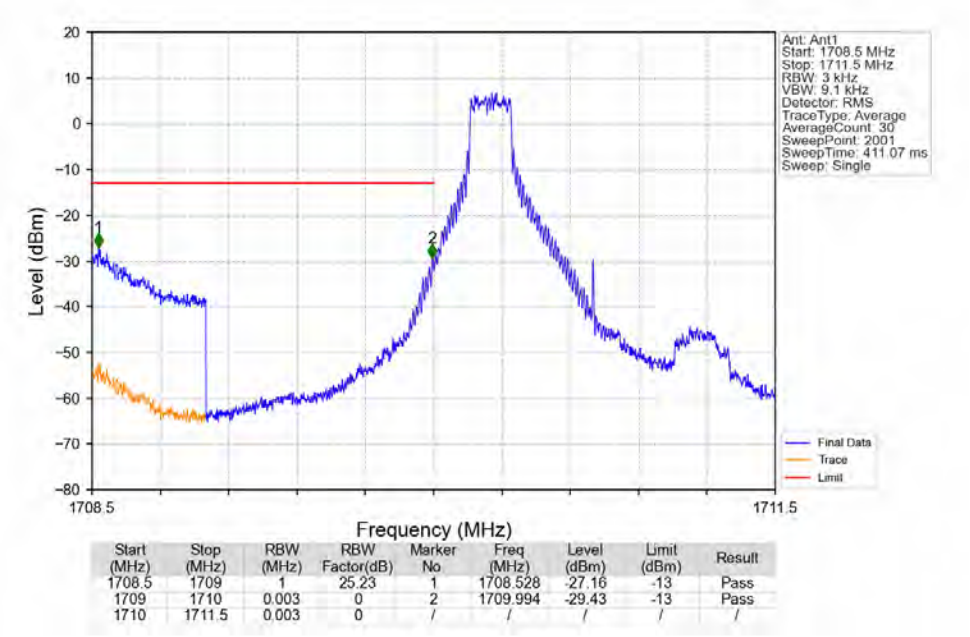
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	0	/	/	/	/	/
1755	1756	0.003	0	1	1755.006	-28.66	-13	Pass
1756	1756.5	1	25.23	2	1756.497	-27.89	-13	Pass

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



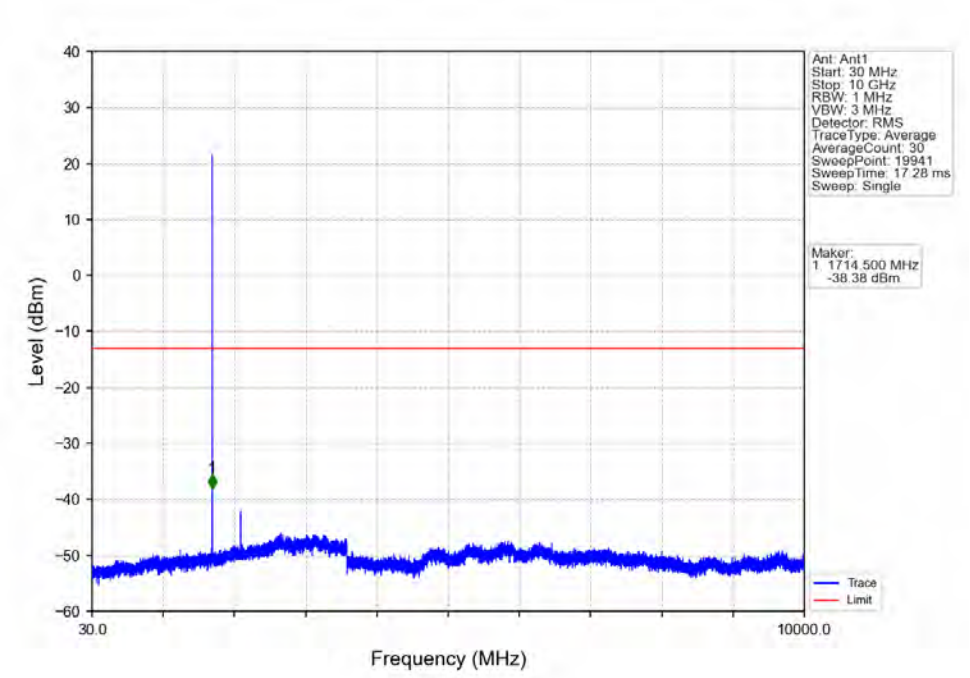
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	0	/	/	/	/	/
1755	1756	0.013	0	1	1755.180	-25.58	-13	Pass
1756	1756.5	1	18.86	2	1756.008	-23.39	-13	Pass

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

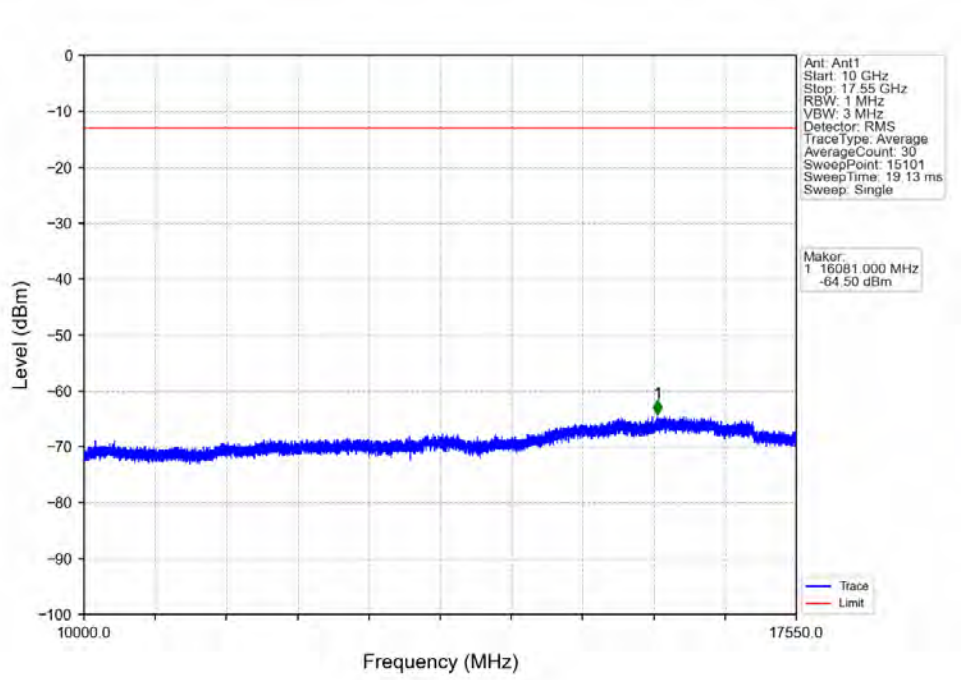


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	25.23	1	1708.528	-27.16	-13	Pass
1709	1710	0.003	0	2	1709.994	-29.43	-13	Pass
1710	1711.5	0.003	0	/	/	/	/	/

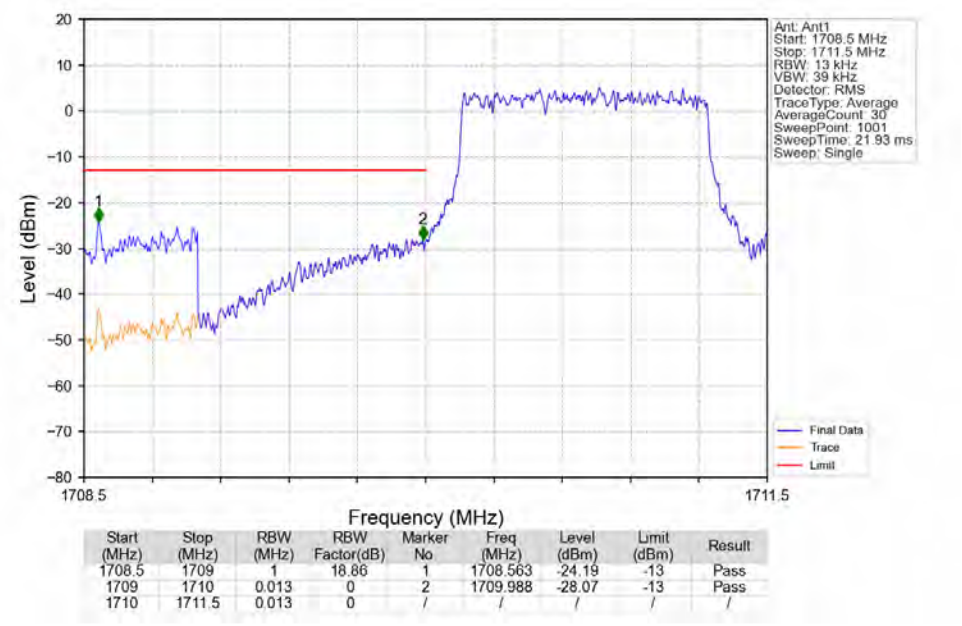
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

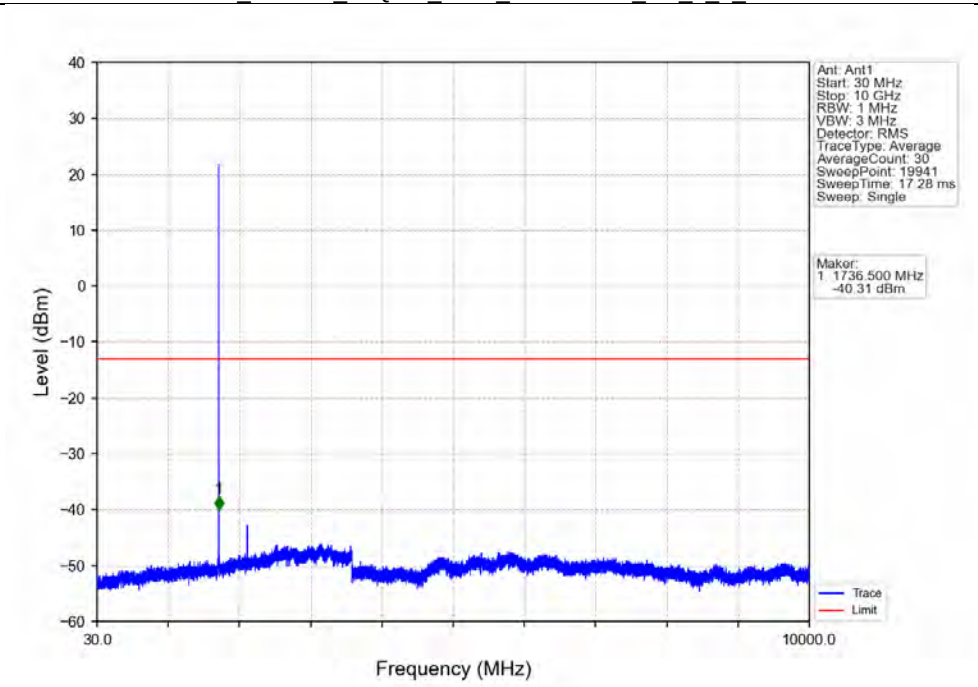


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

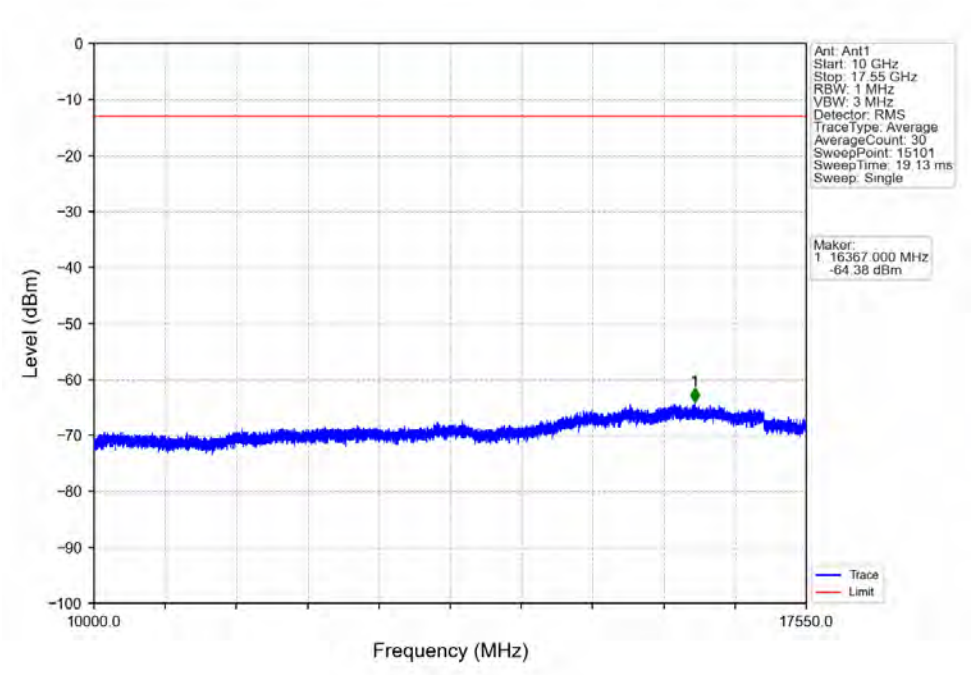


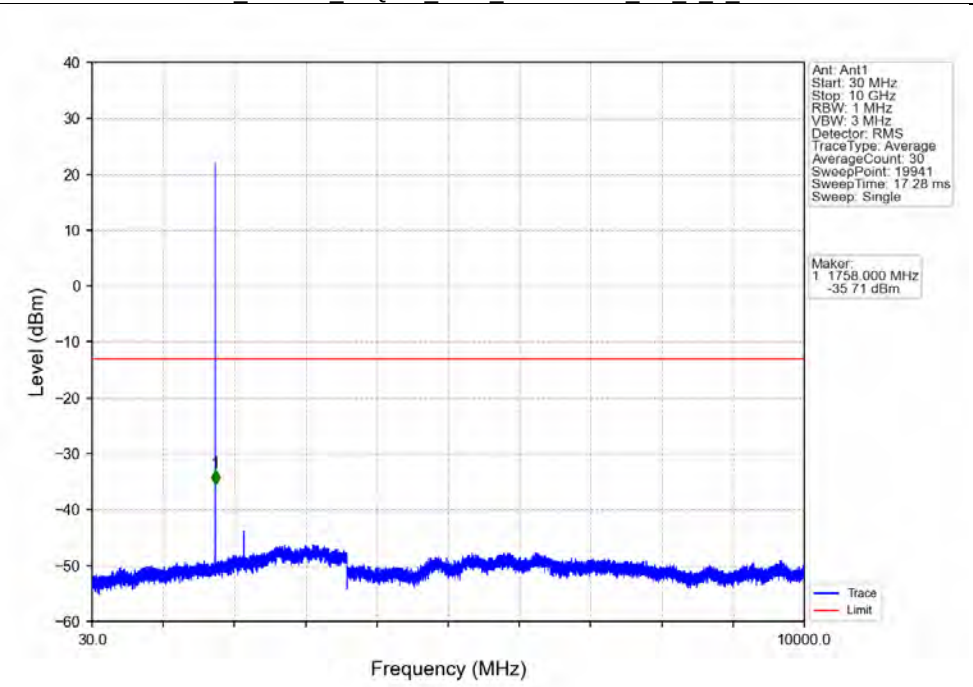
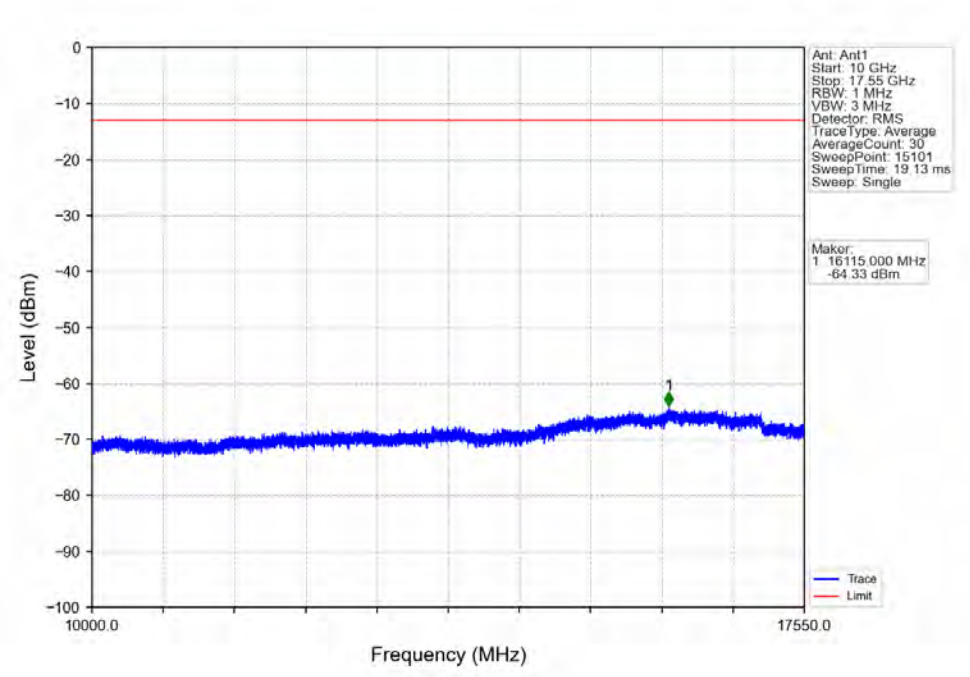
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	18.86	1	1708.563	-24.19	-13	Pass
1709	1710	0.013	0	2	1709.988	-28.07	-13	Pass
1710	1711.5	0.013	0	/	/	/	/	/

Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

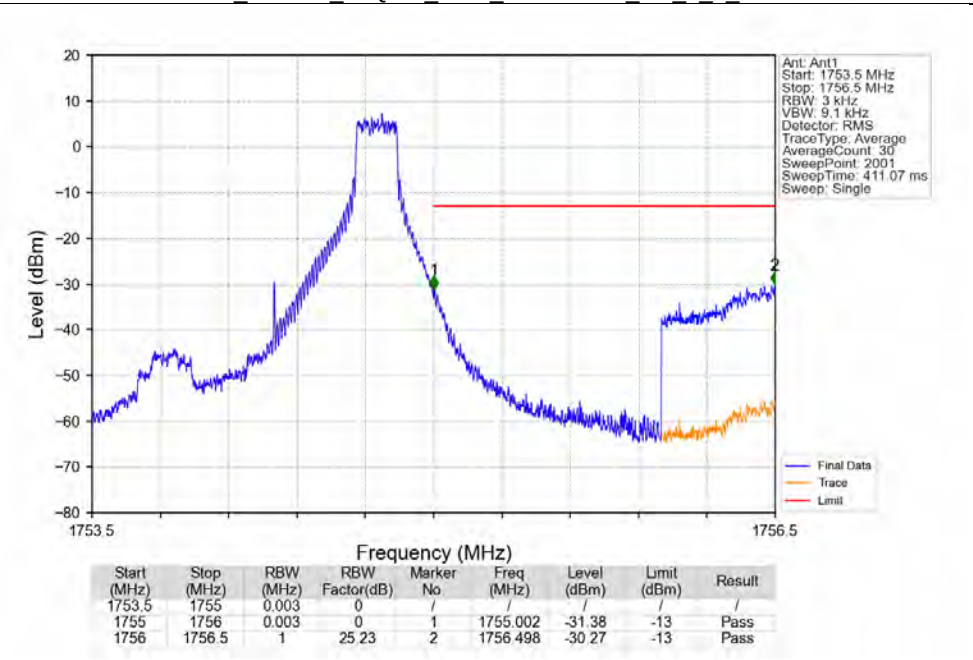


Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



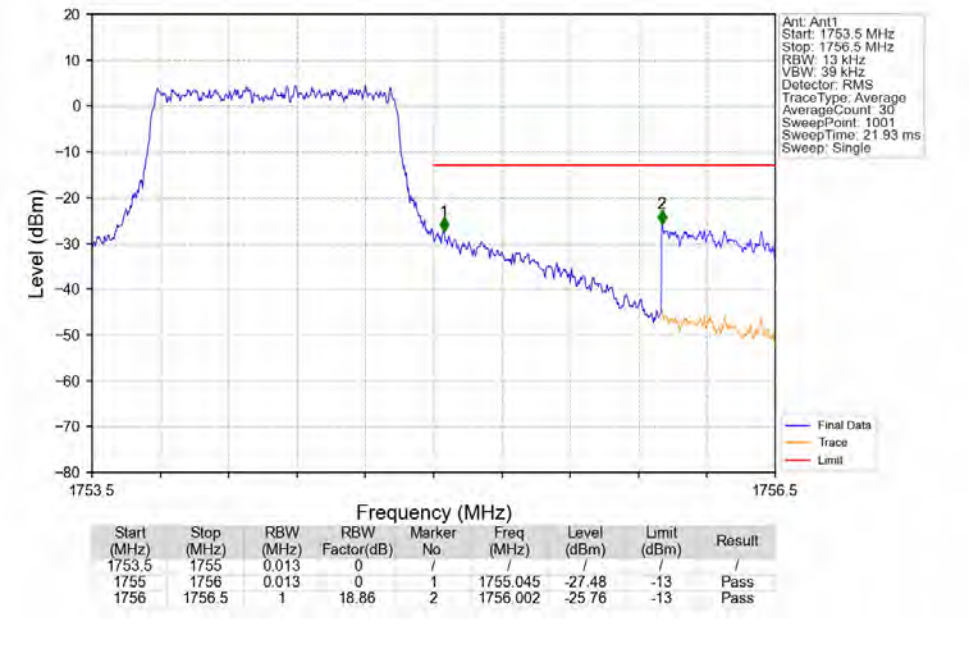
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

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)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	0	/	/	/	/	/
1755	1756	0.003	0	1	1755.002	-31.38	-13	Pass
1756	1756.5	1	25.23	2	1756.498	-30.27	-13	Pass

Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	0	/	/	/	/	/
1755	1756	0.013	0	1	1755.045	-27.48	-13	Pass
1756	1756.5	1	18.86	2	1756.002	-25.76	-13	Pass

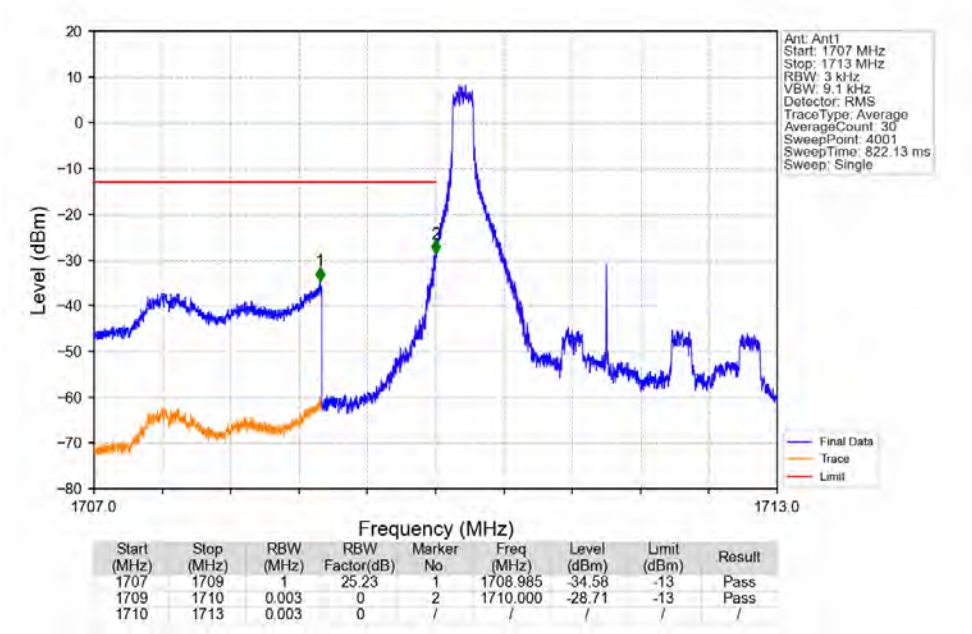
6.2 B4_3MHz

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

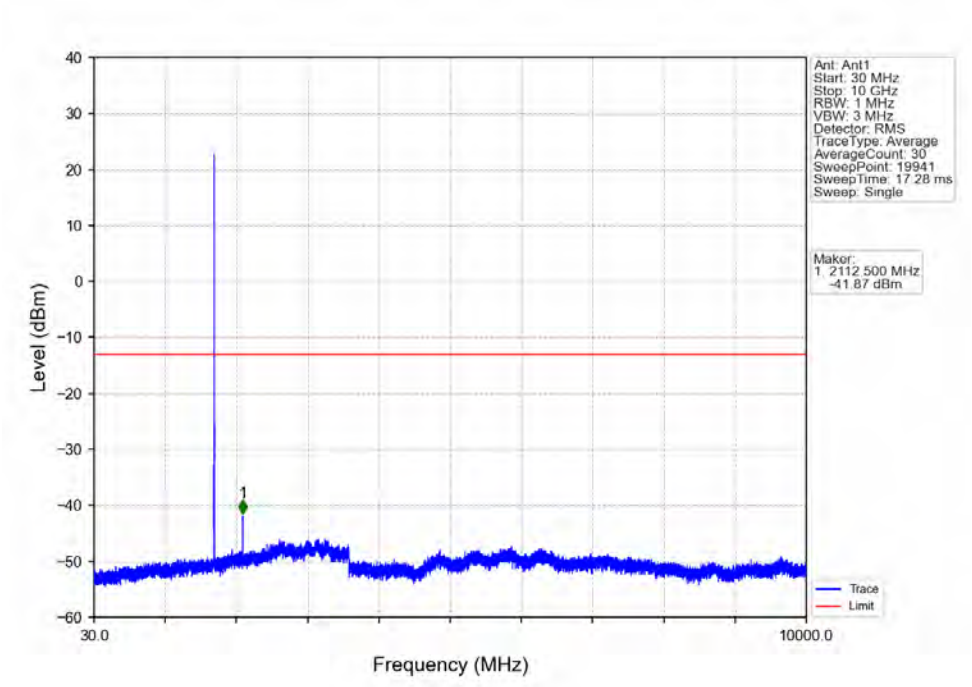
6.2.2 Test Graph

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

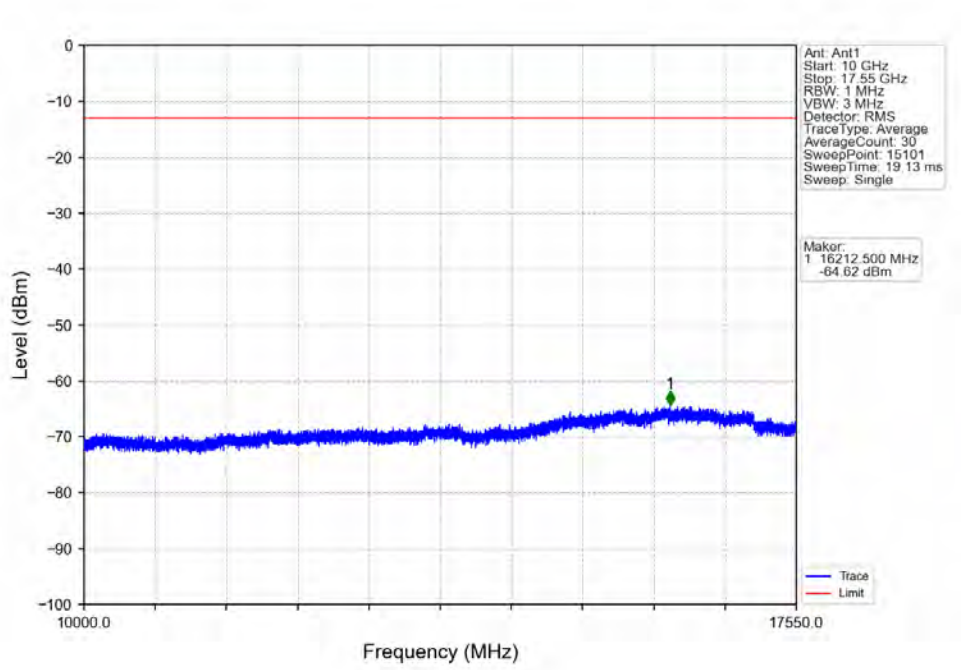


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	25.23	1	1708.985	-34.58	-13	Pass
1709	1710	0.003	0	2	1710.000	-28.71	-13	Pass
1710	1713	0.003	0	/	/	/	/	/

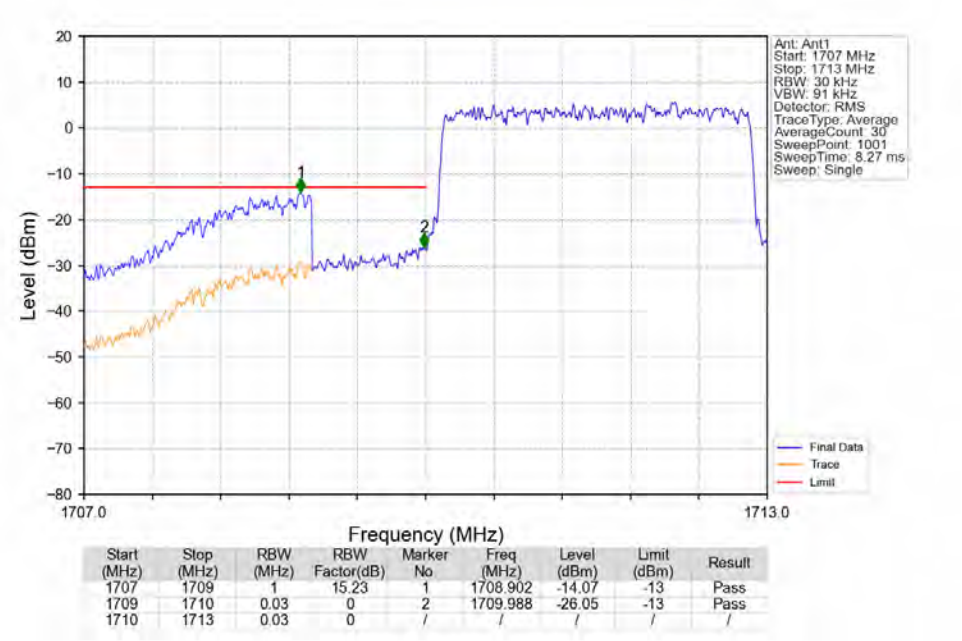
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



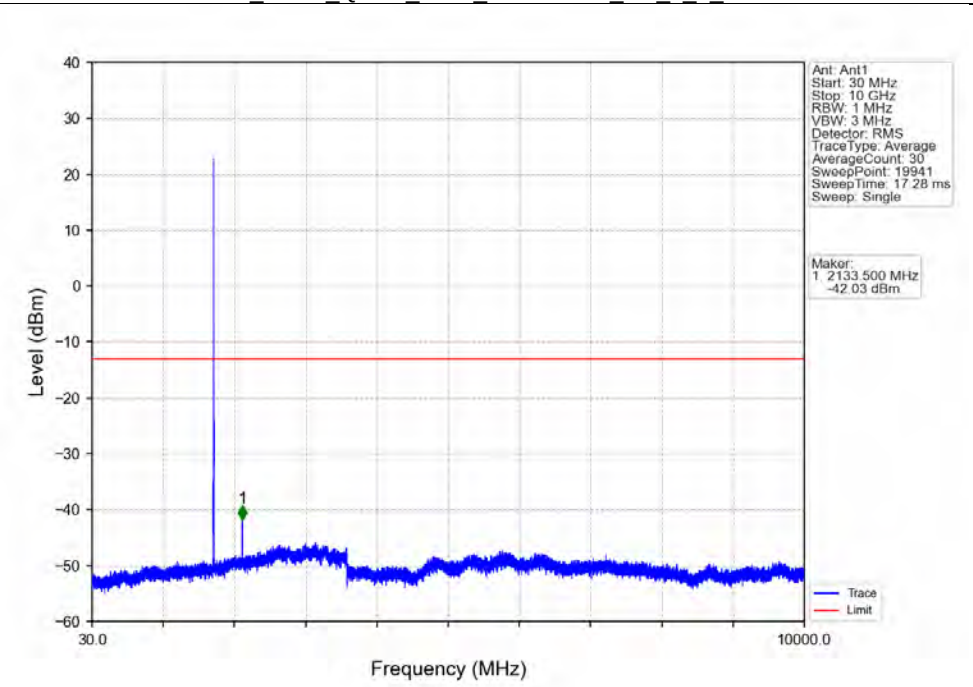
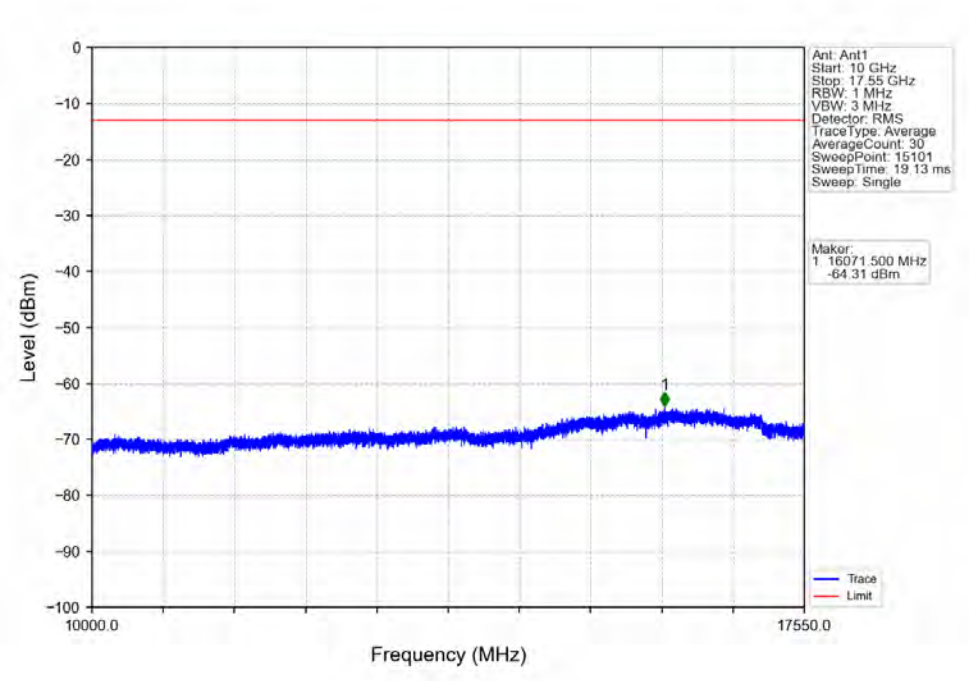
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

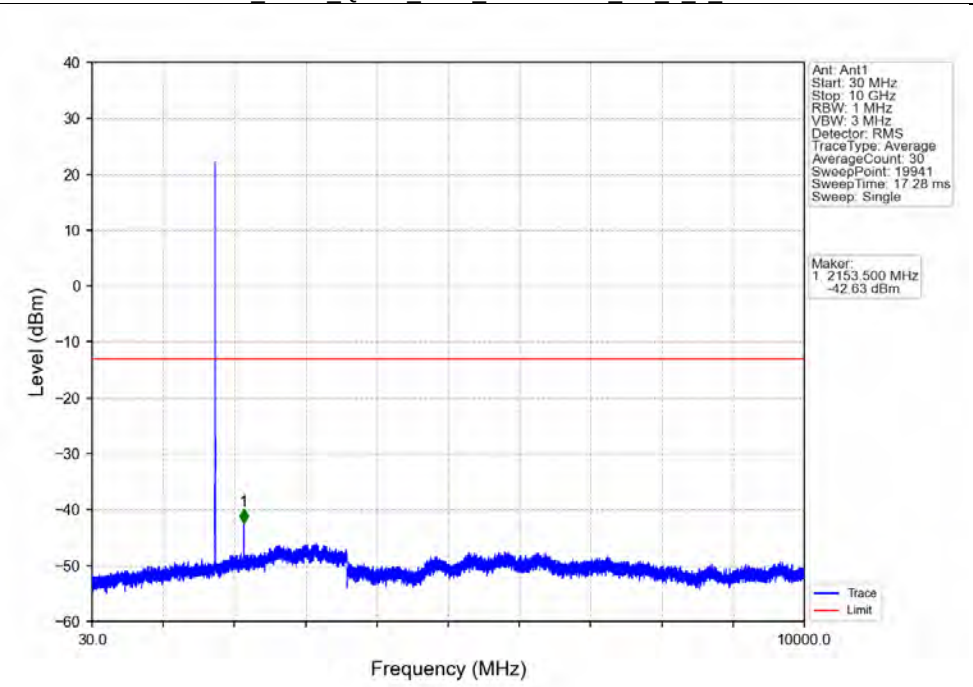
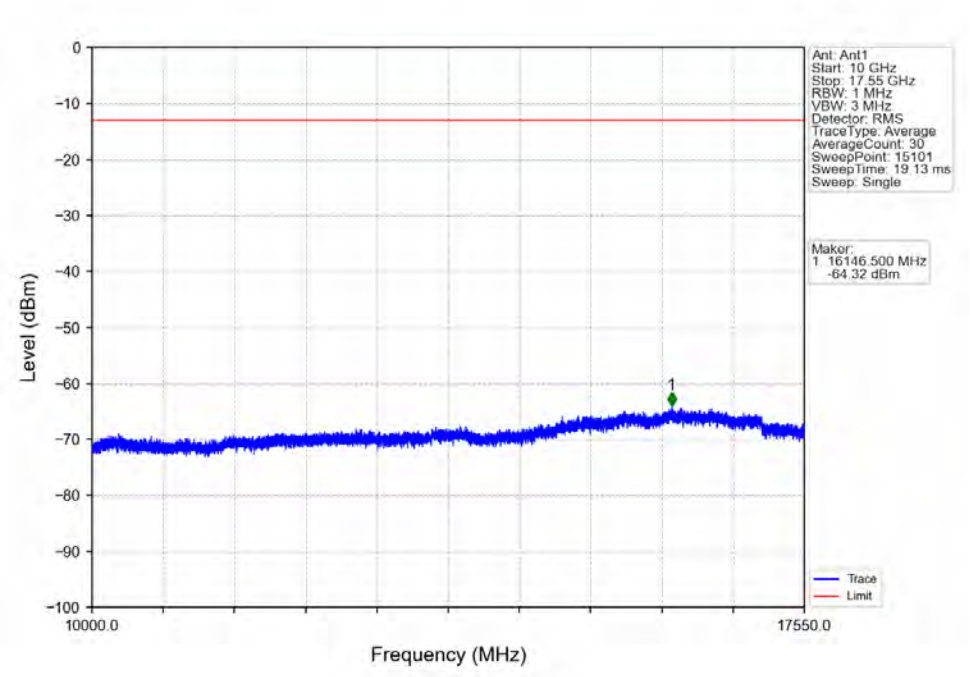


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

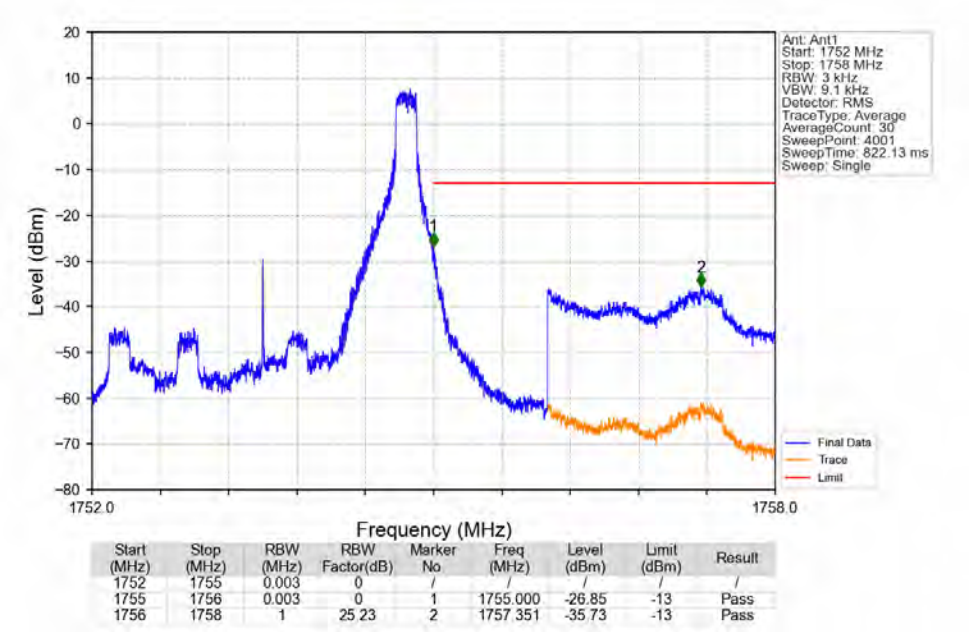


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	15.23	1	1708.902	-14.07	-13	Pass
1709	1710	0.03	0	2	1709.988	-26.05	-13	Pass
1710	1713	0.03	0	/	/	/	/	/

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV


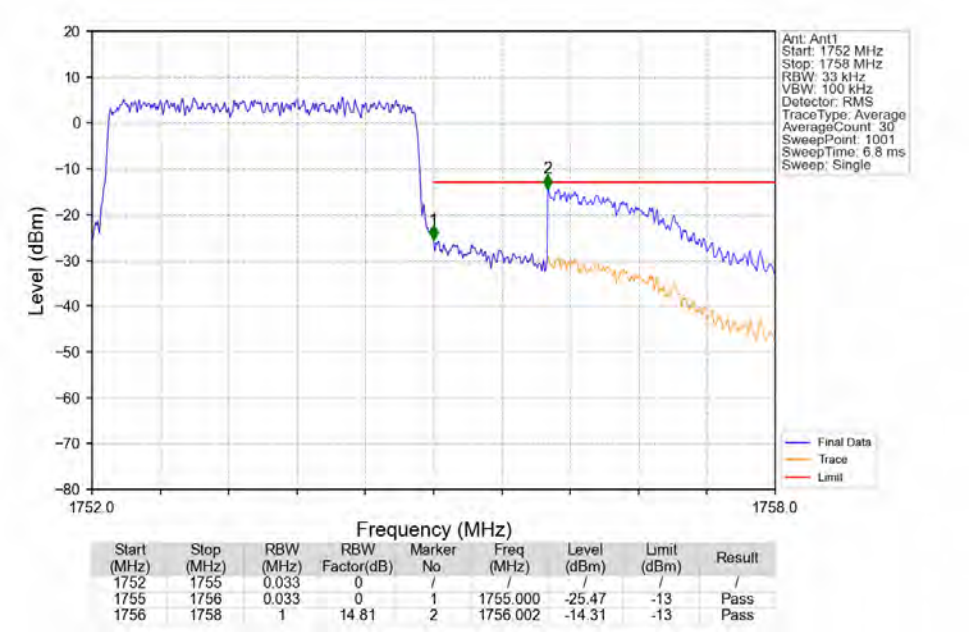
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



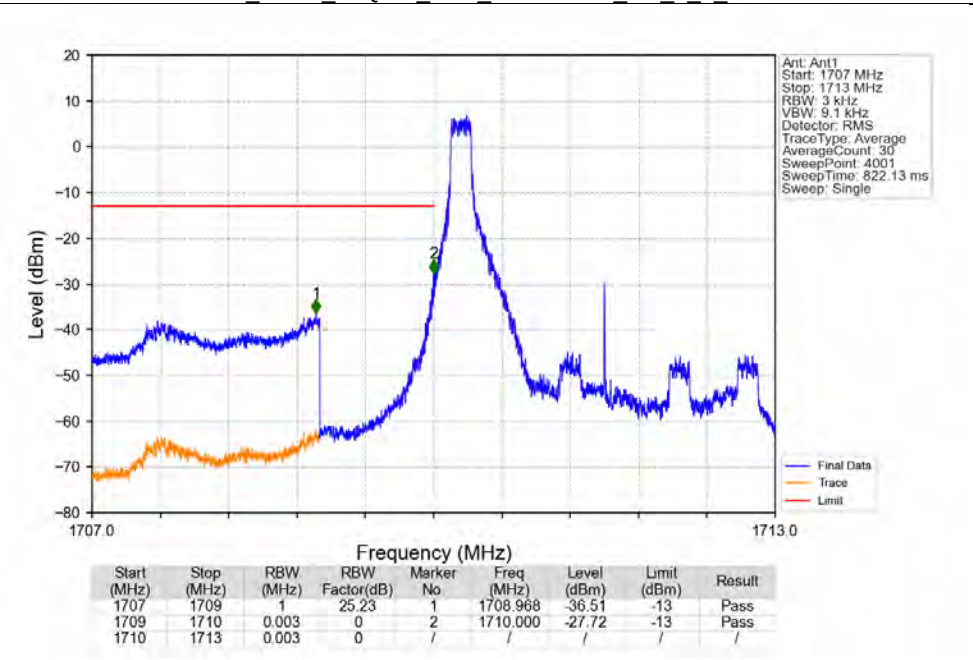
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	0	/	/	/	/	/
1755	1756	0.003	0	1	1755.000	-26.85	-13	Pass
1756	1758	1	25.23	2	1757.351	-35.73	-13	Pass

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



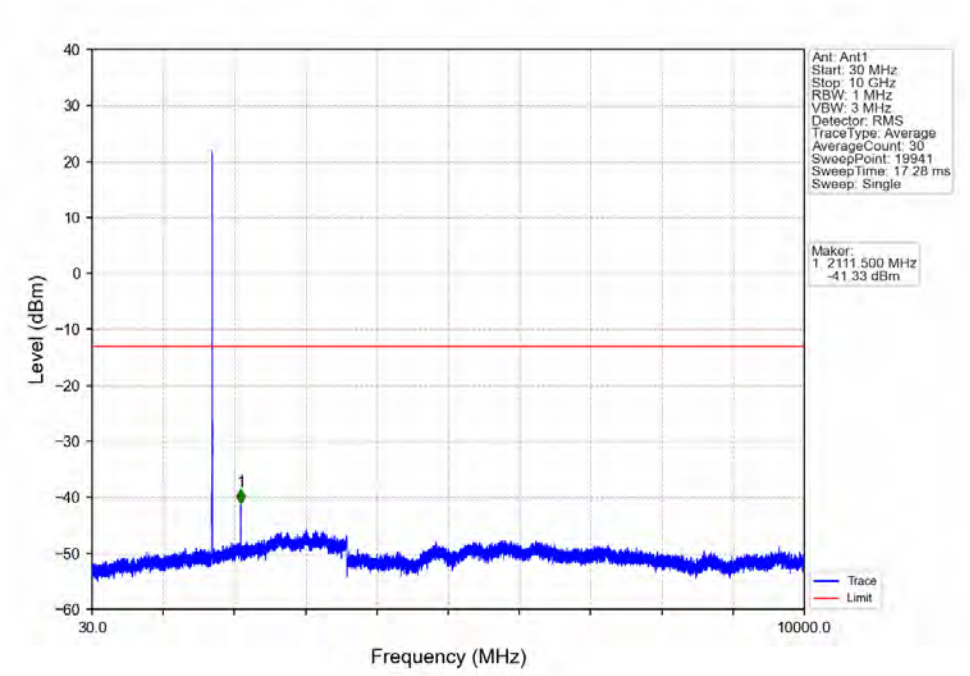
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.033	0	/	/	/	/	/
1755	1756	0.033	0	1	1755.000	-25.47	-13	Pass
1756	1758	1	14.81	2	1756.002	-14.31	-13	Pass

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

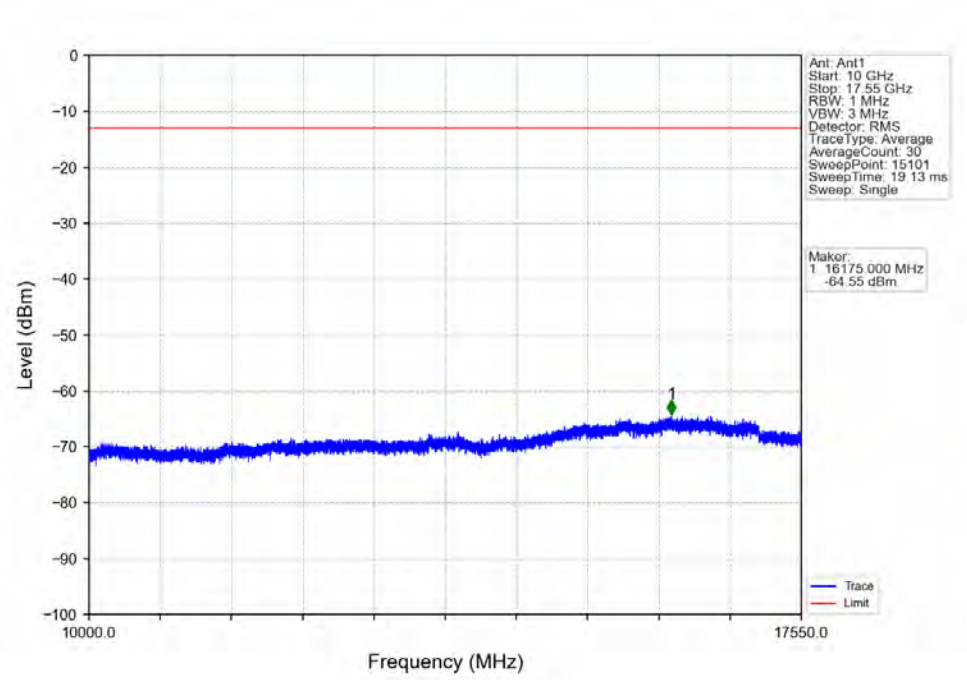


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	25.23	1	1708.968	-36.51	-13	Pass
1709	1710	0.003	0	2	1710.000	-27.72	-13	Pass
1710	1713	0.003	0	/	/	/	/	/

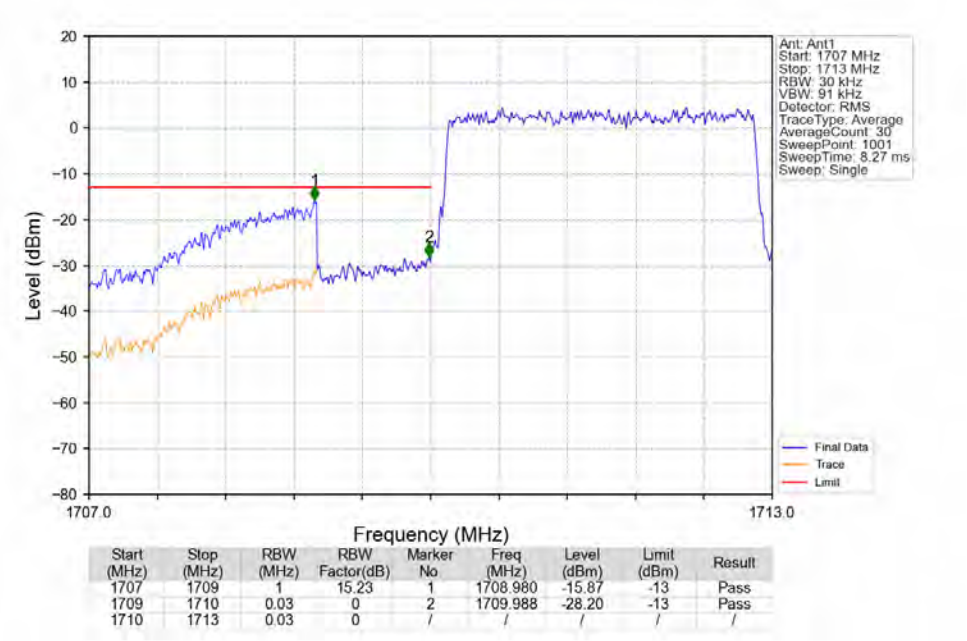
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



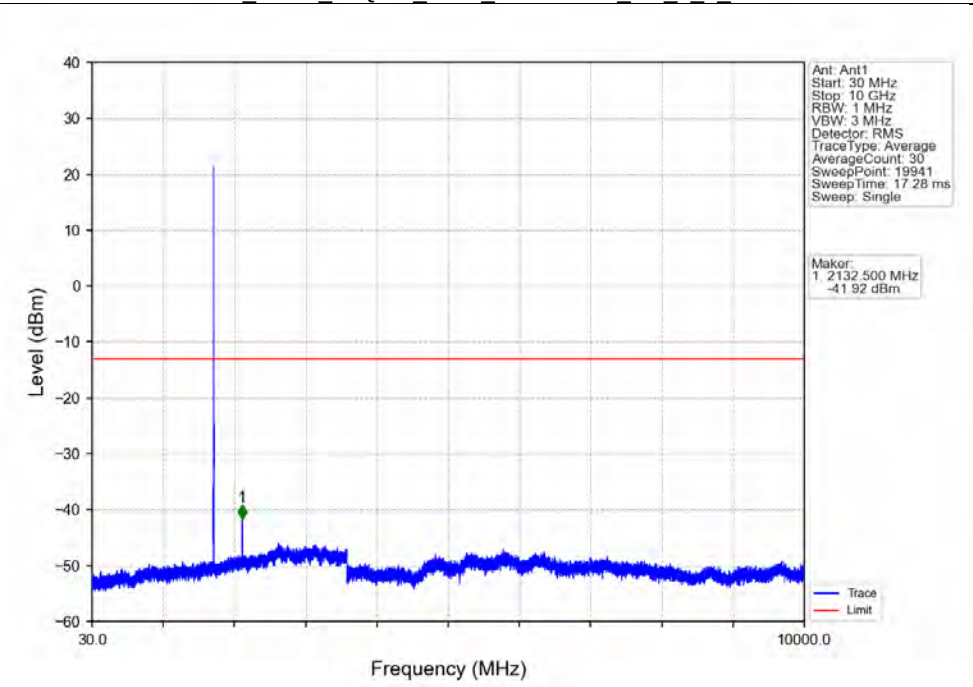
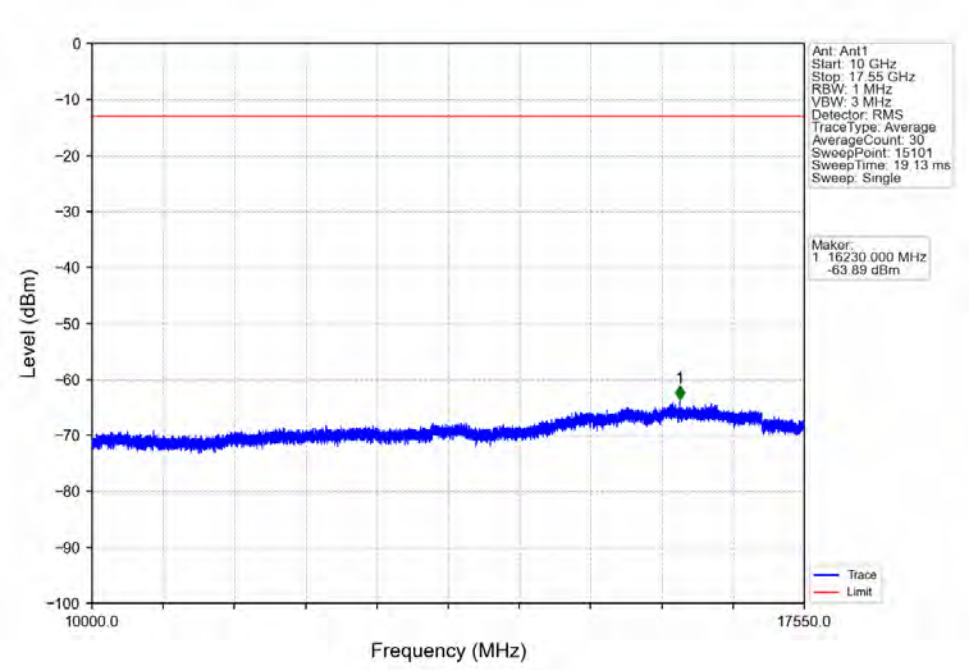
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



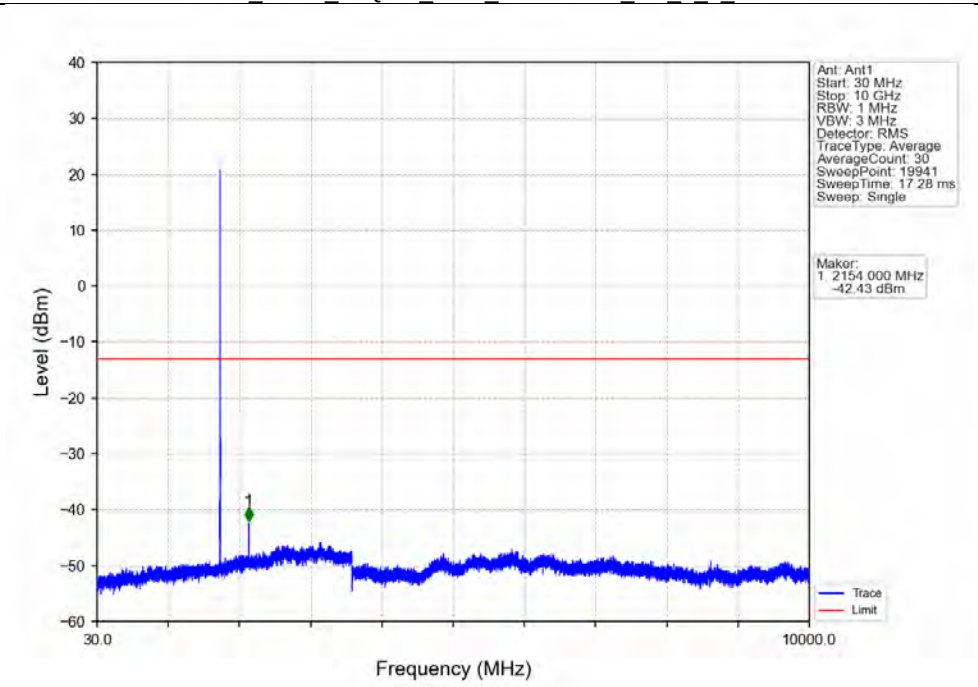
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



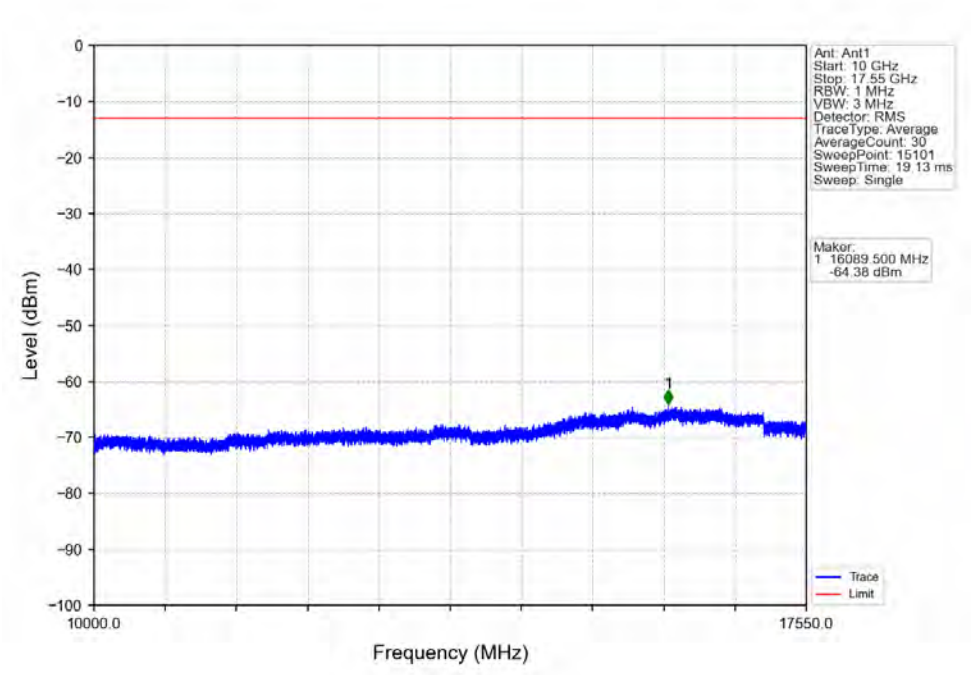
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	15.23	1	1708.980	-15.87	-13	Pass
1709	1710	0.03	0	2	1709.988	-28.20	-13	Pass
1710	1713	0.03	0	/	/	/	/	/

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV


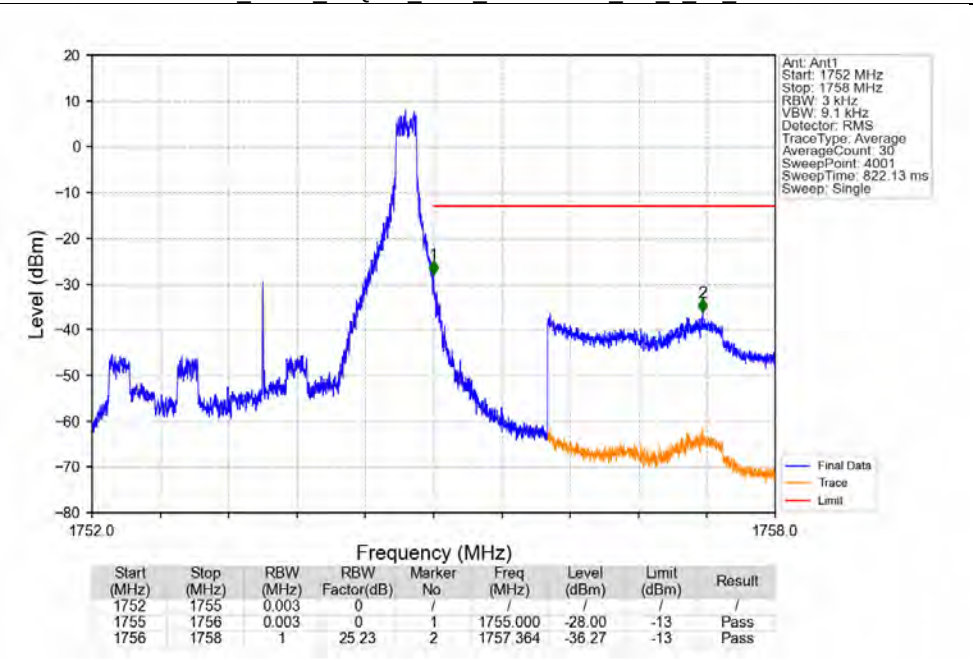
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV

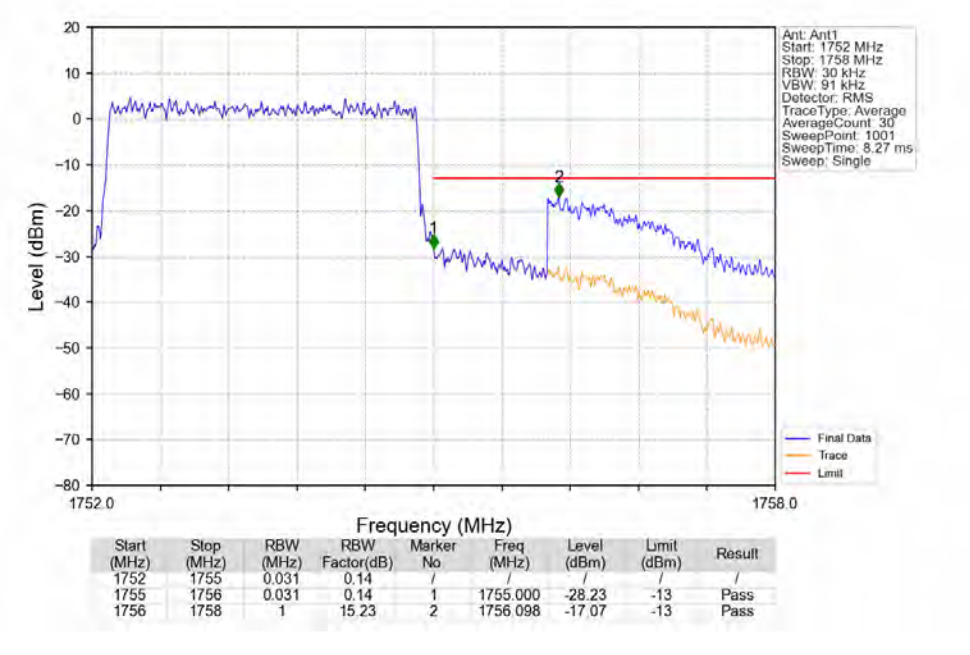


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	0	/	/	/	/	/
1755	1756	0.003	0	1	1755.000	-28.00	-13	Pass
1756	1758	1	25.23	2	1757.364	-36.27	-13	Pass

Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.031	0.14	/	/	/	/	/
1755	1756	0.031	0.14	1	1755.000	-28.23	-13	Pass
1756	1758	1	15.23	2	1756.098	-17.07	-13	Pass

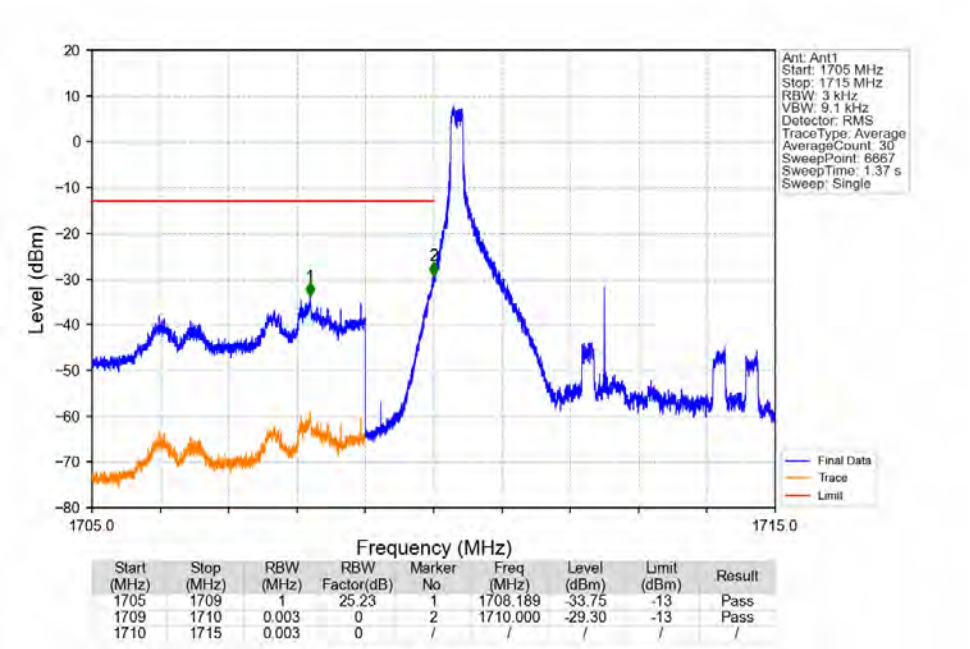
6.3 B4_5MHz

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

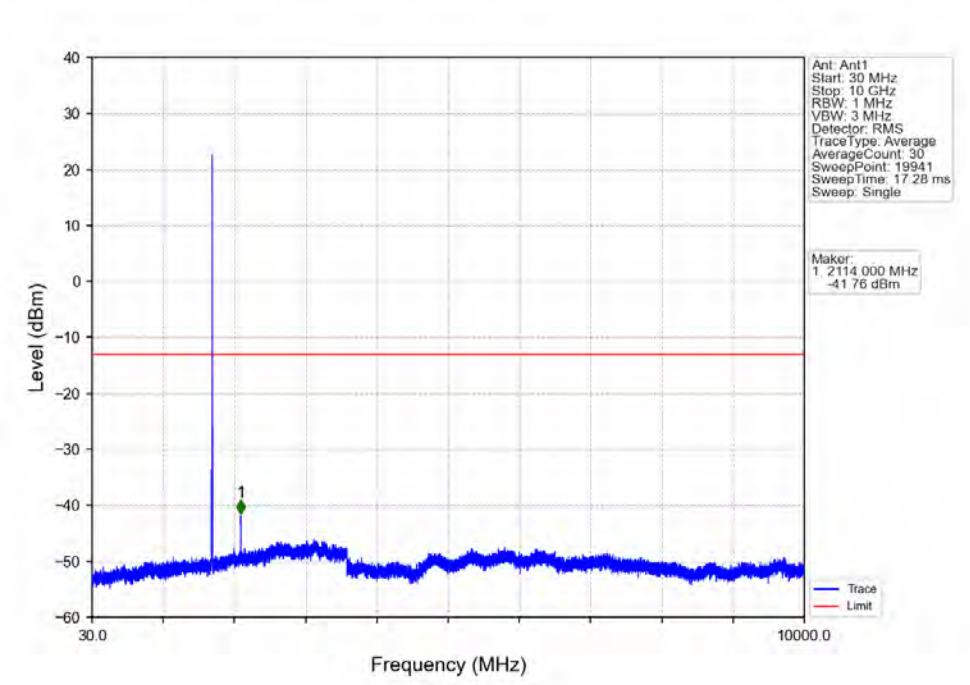
6.3.2 Test Graph

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

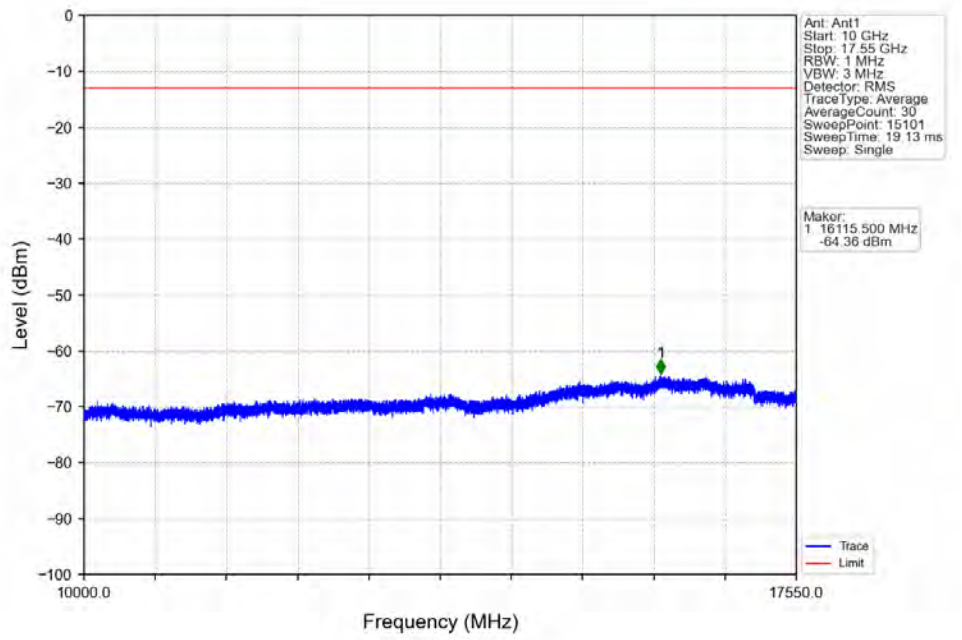


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	25.23	1	1708.189	-33.75	-13	Pass
1709	1710	0.003	0	2	1710.000	-29.30	-13	Pass
1710	1715	0.003	0	/	/	/	/	/

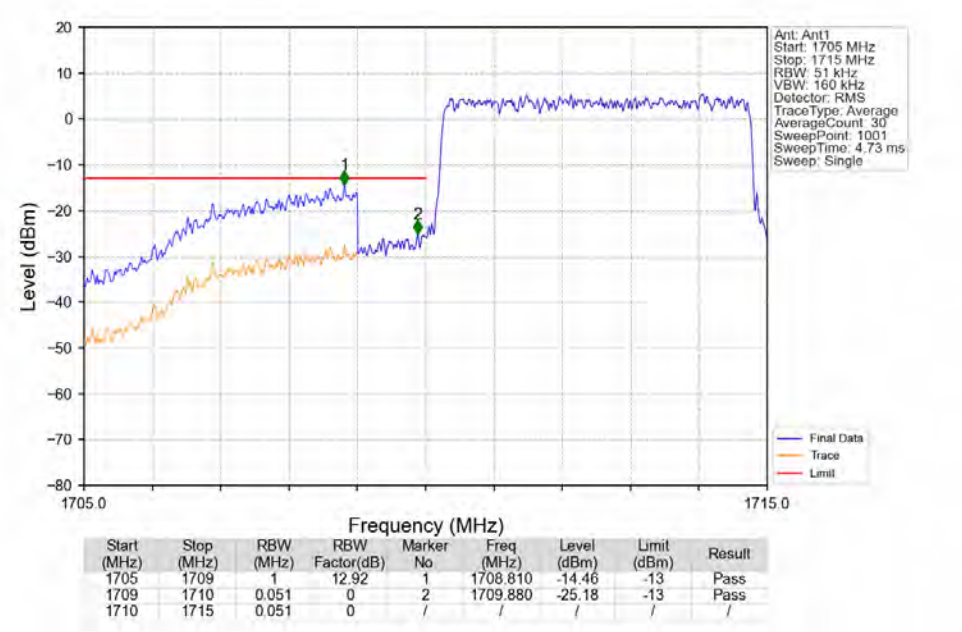
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



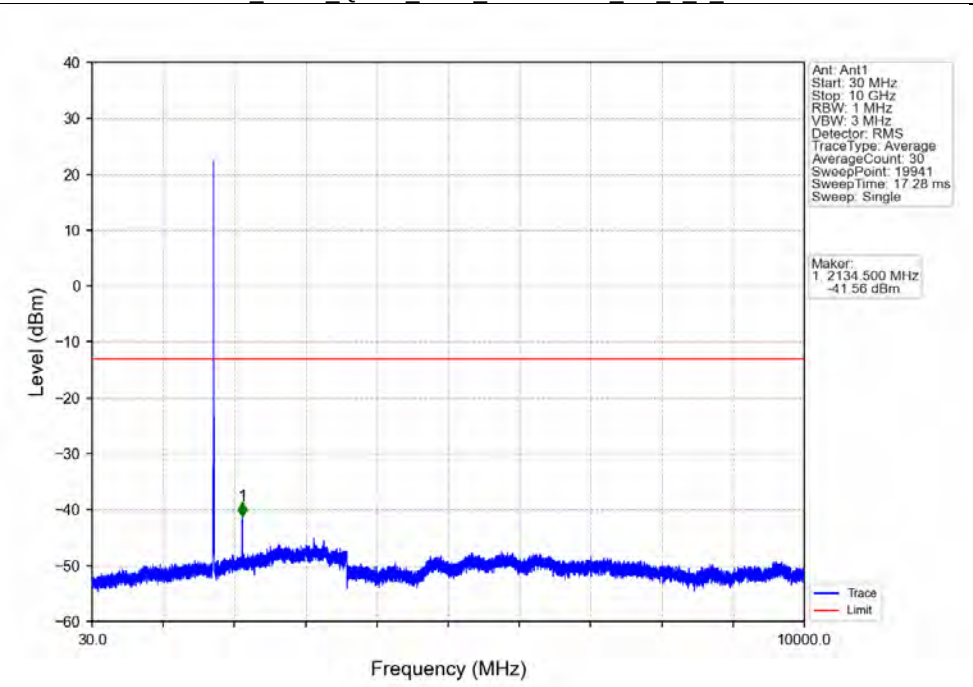
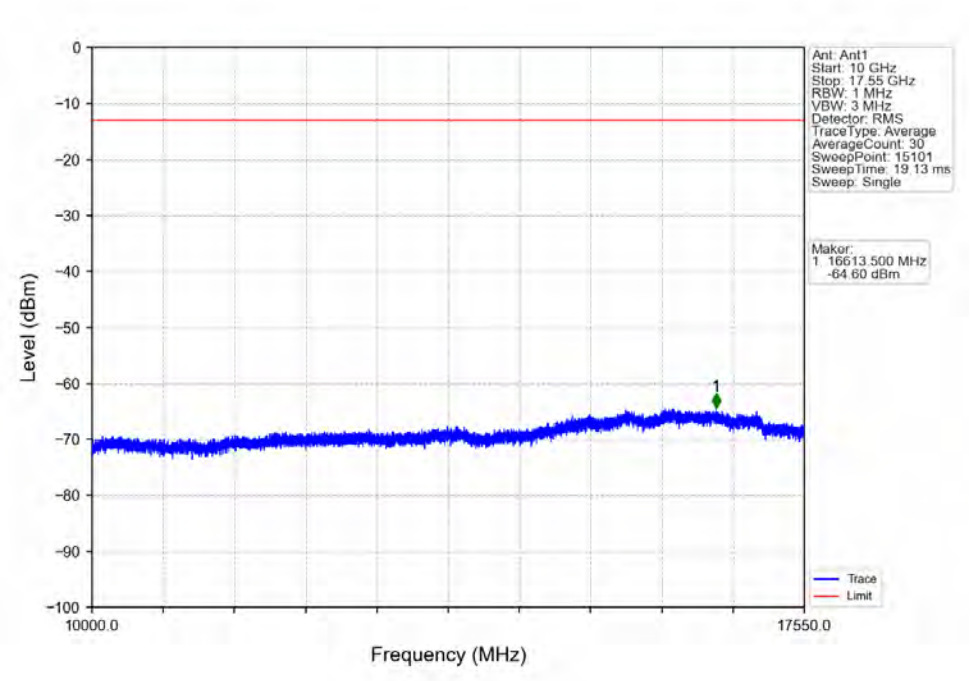
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



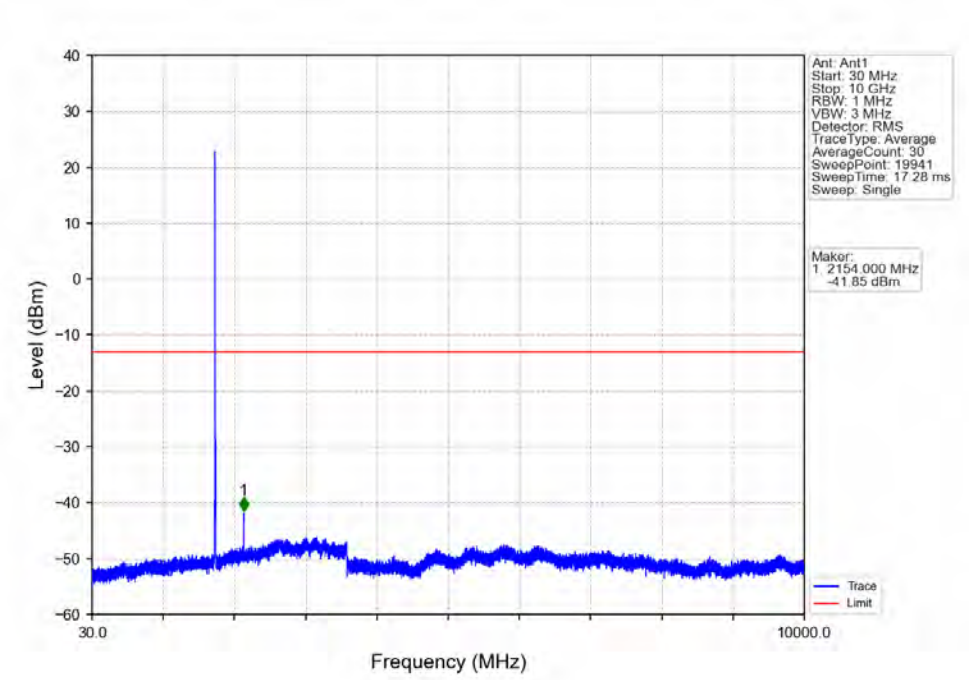
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



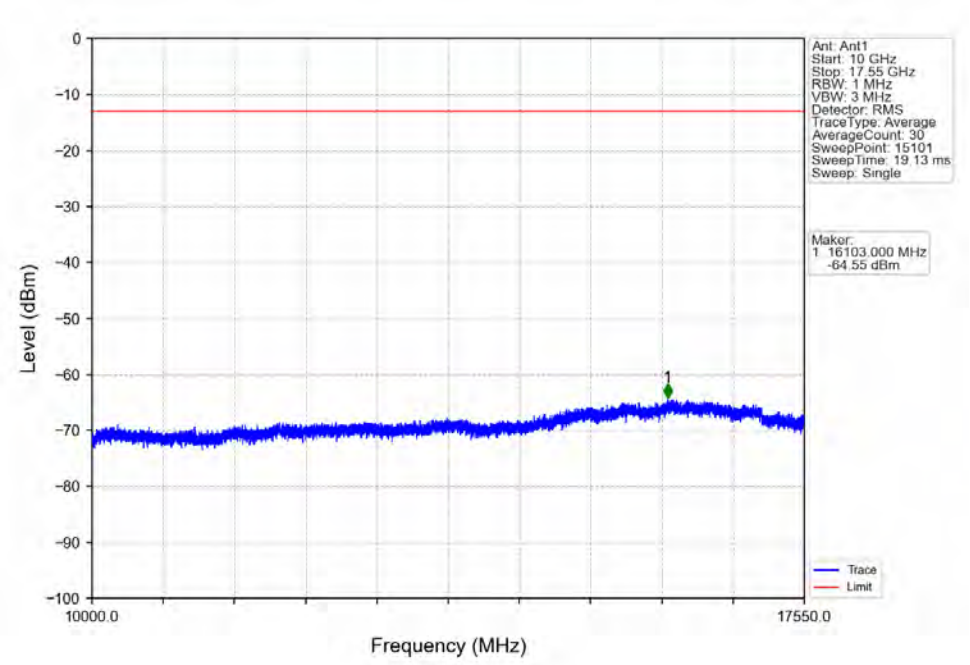
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	12.92	1	1708.810	-14.46	-13	Pass
1709	1710	0.051	0	2	1709.880	-25.18	-13	Pass
1710	1715	0.051	0	/	/	/	/	/

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV


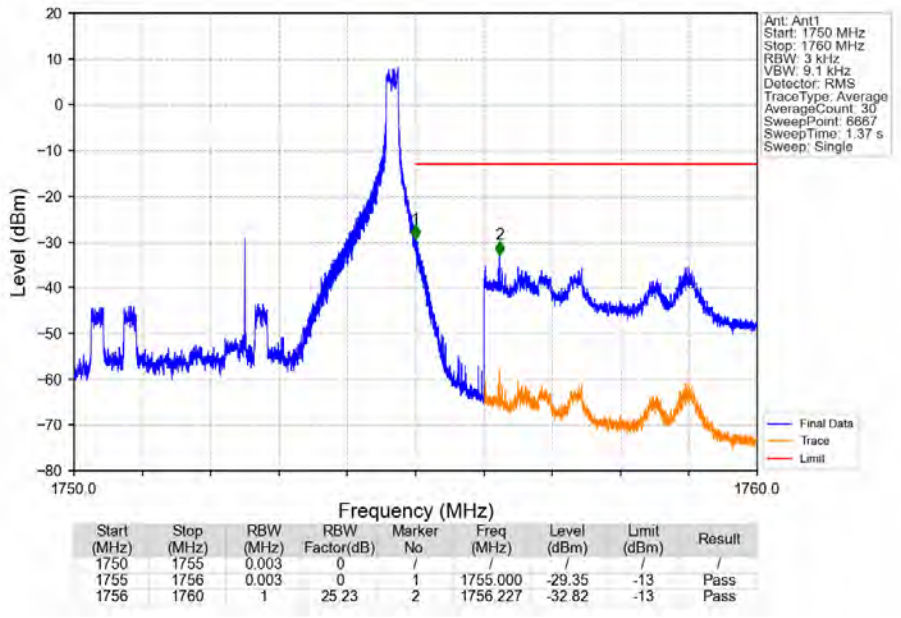
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

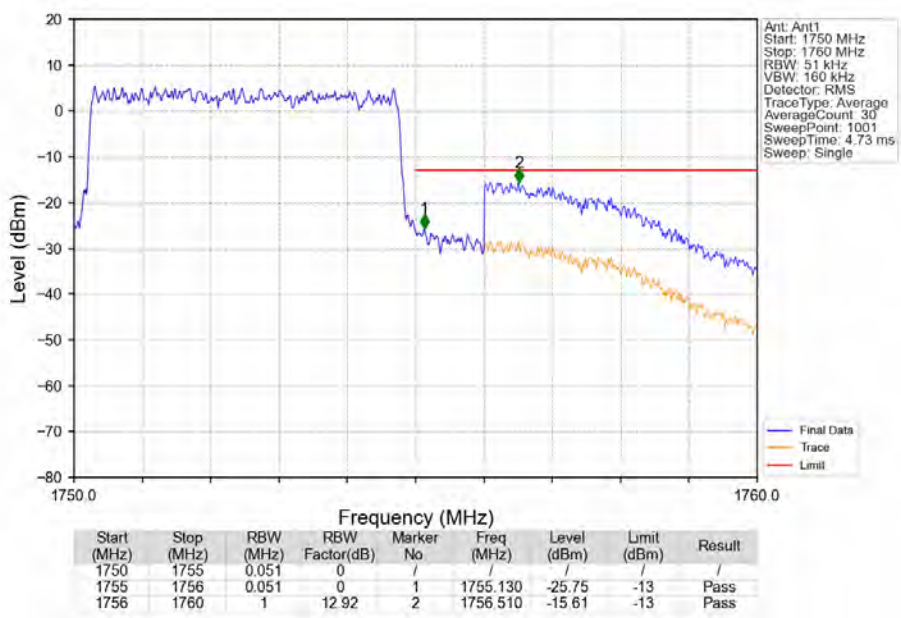


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



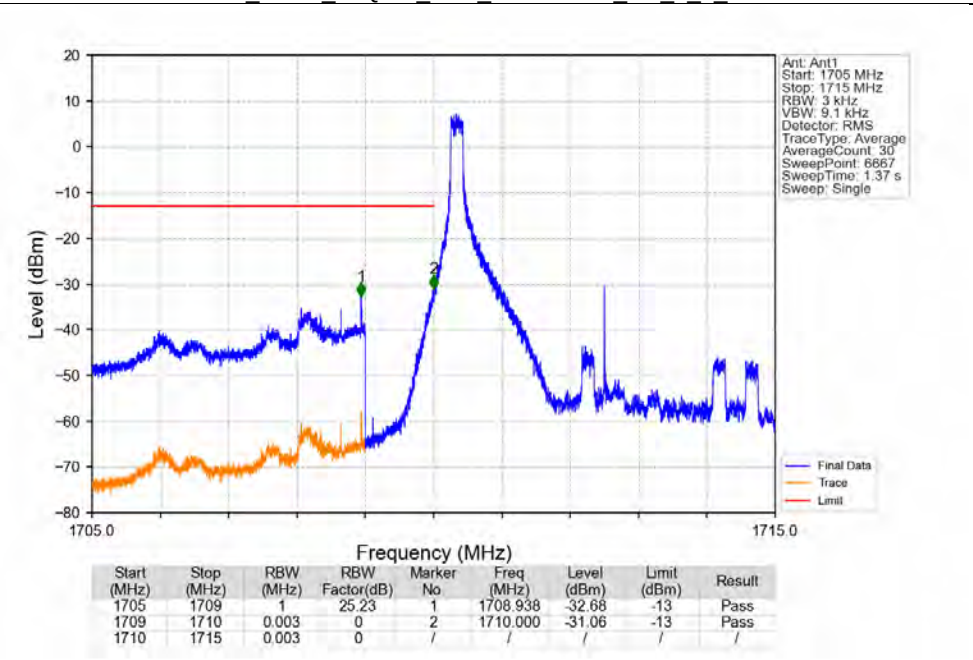
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	0	/	/	/	/	/
1755	1756	0.003	0	1	1755.000	-29.35	-13	Pass
1756	1760	1	25.23	2	1756.227	-32.82	-13	Pass

Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



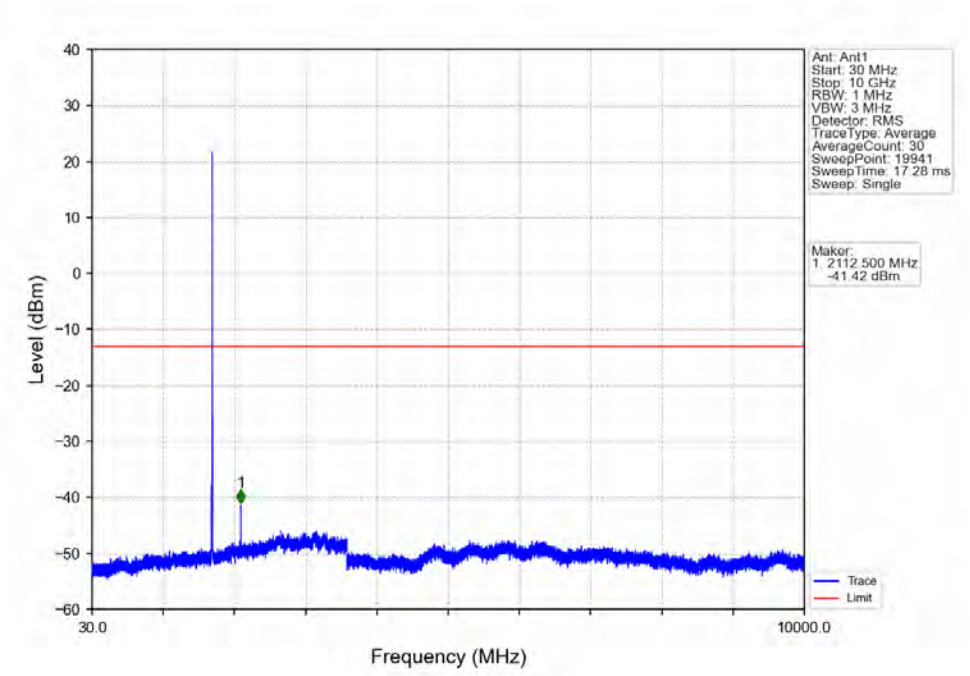
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.051	0	/	/	/	/	/
1755	1756	0.051	0	1	1755.130	-25.75	-13	Pass
1756	1760	1	12.92	2	1756.510	-15.61	-13	Pass

Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

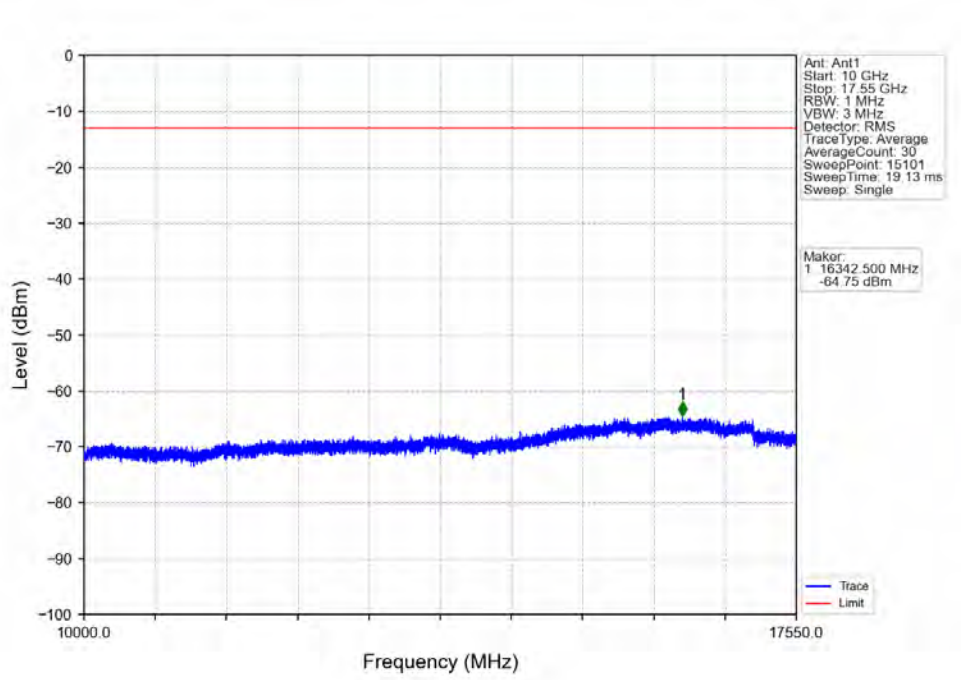


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	25.23	1	1708.938	-32.68	-13	Pass
1709	1710	0.003	0	2	1710.000	-31.06	-13	Pass
1710	1715	0.003	0	/	/	/	/	/

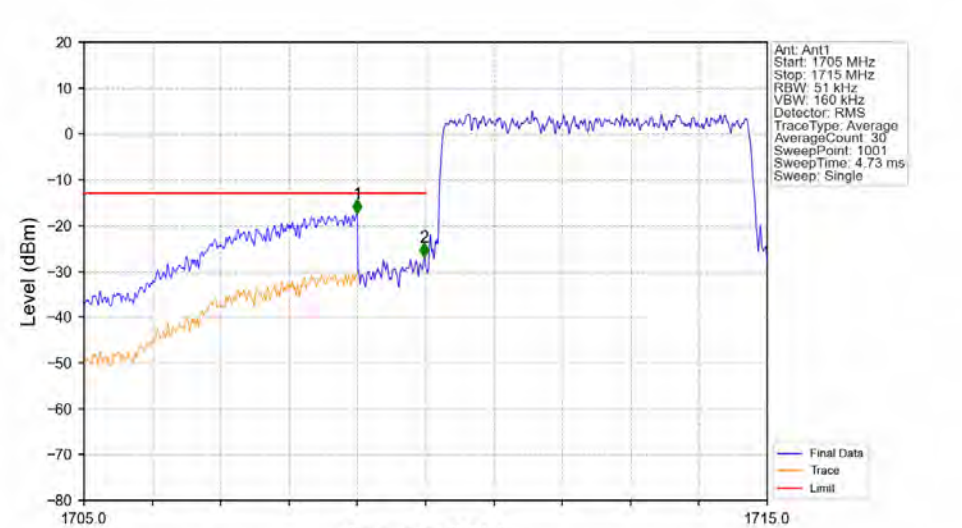
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



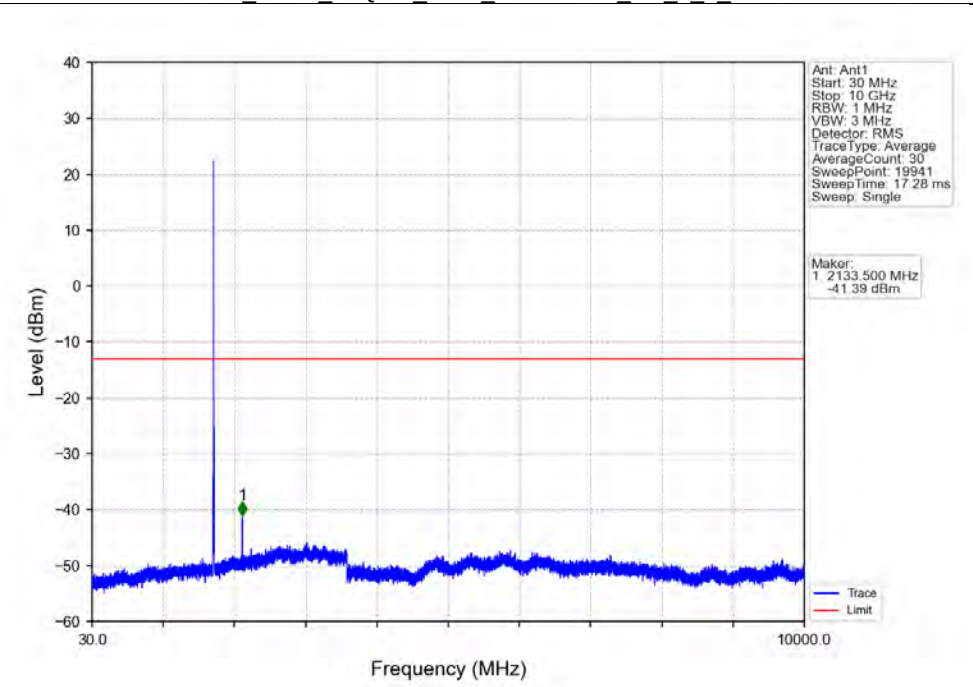
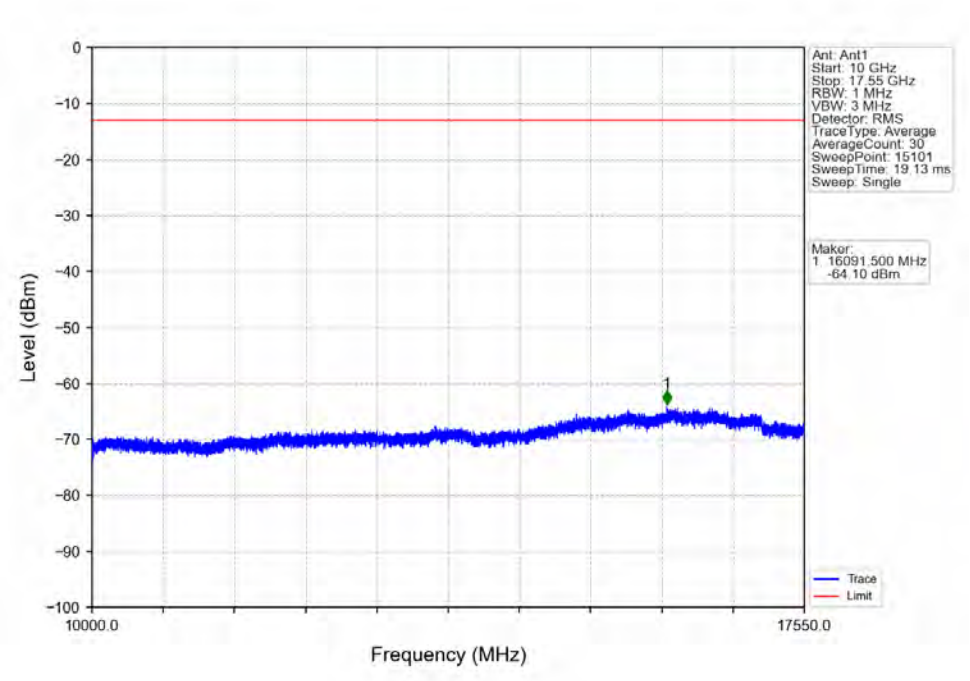
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



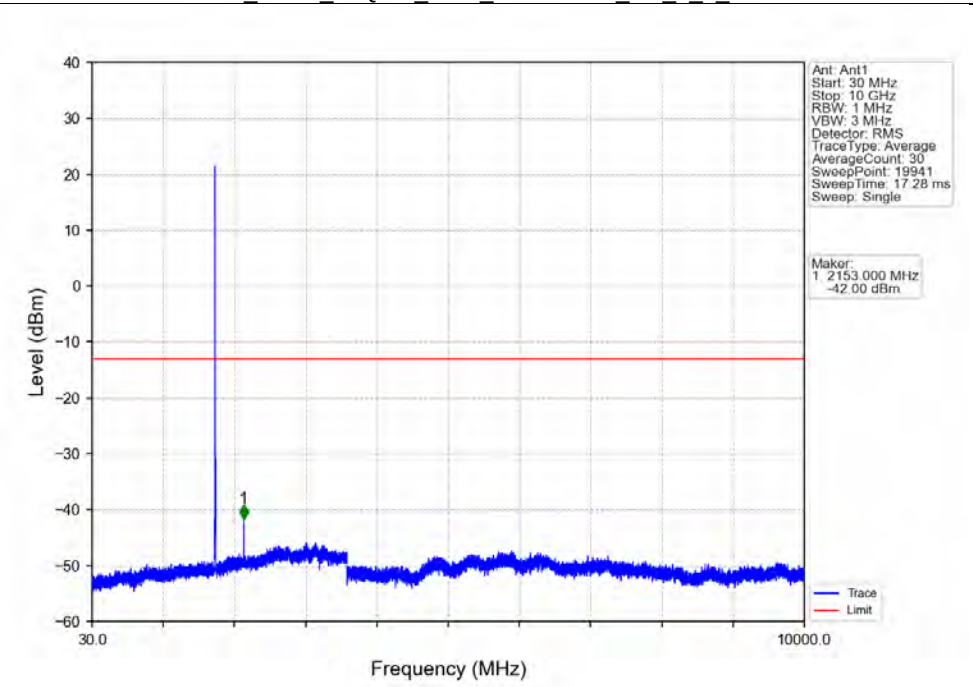
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



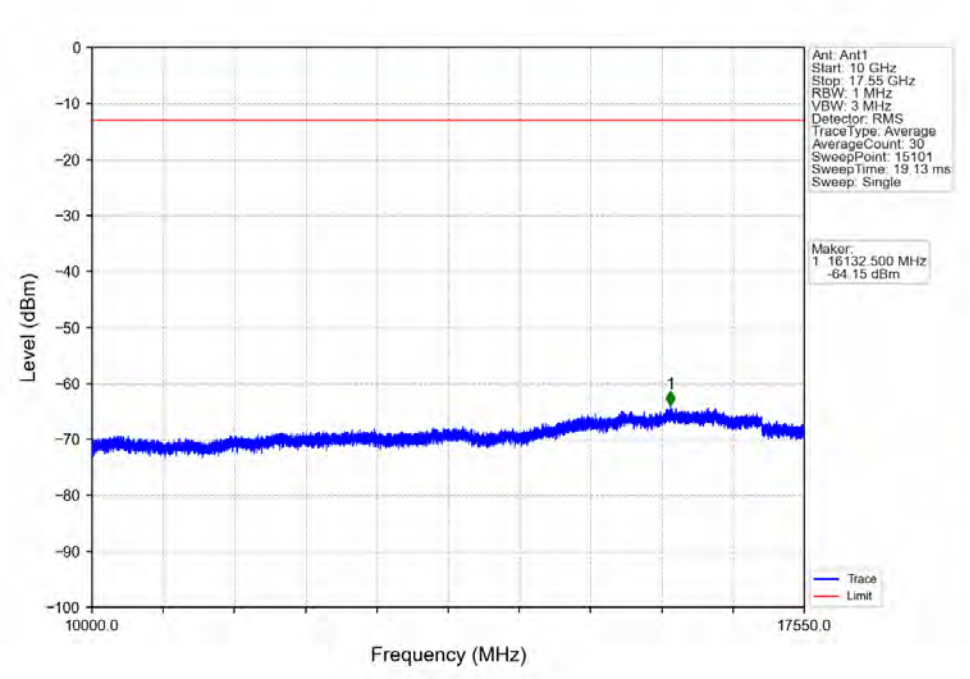
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	12.92	1	1709.000	-17.46	-13	Pass
1709	1710	0.051	0	2	1709.980	-26.98	-13	Pass
1710	1715	0.051	0	/	/	/	/	/

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV


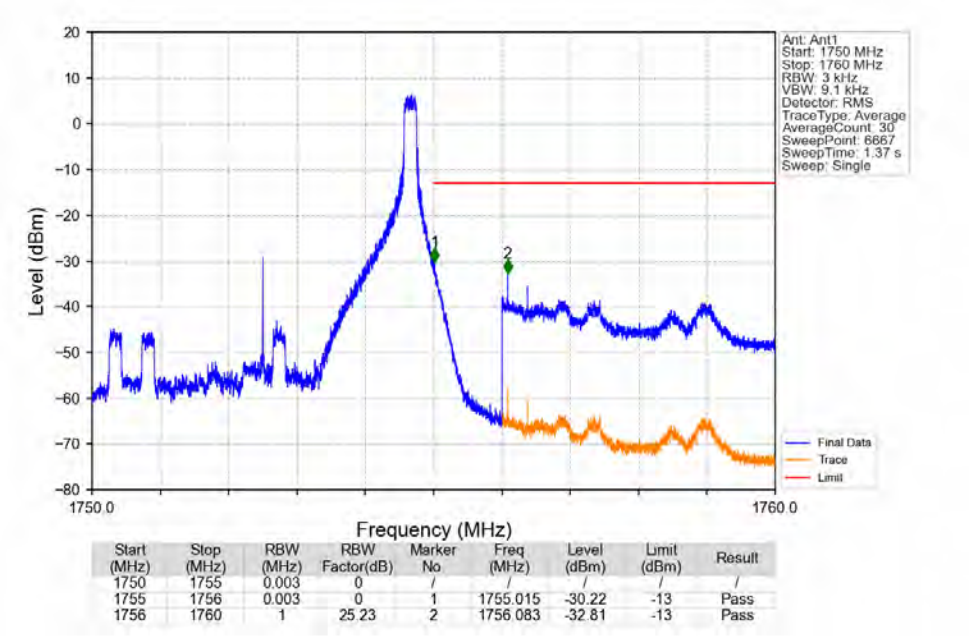
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV

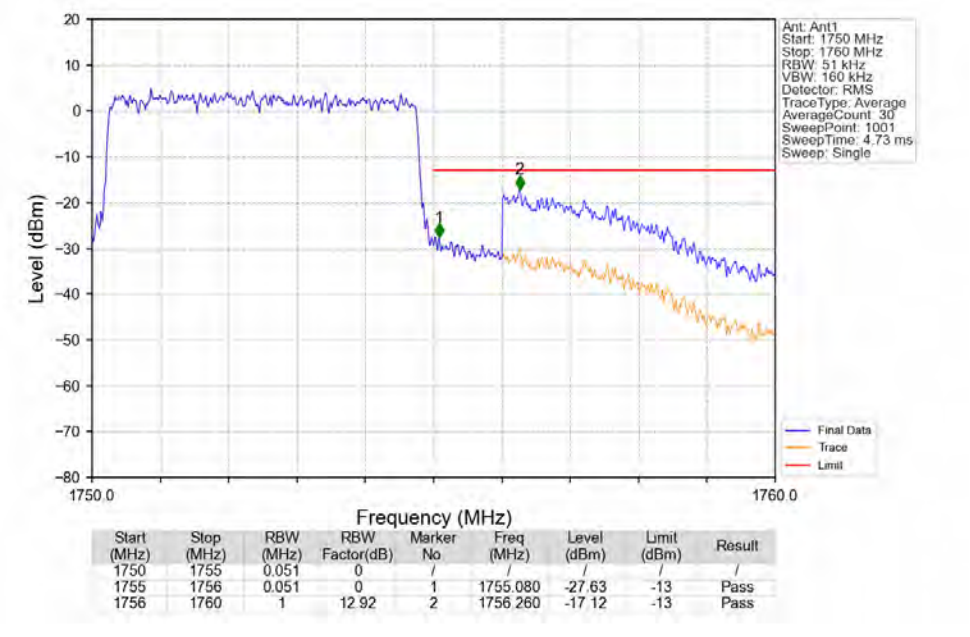


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	0	/	/	/	/	/
1755	1756	0.003	0	1	1755.015	-30.22	-13	Pass
1756	1760	1	25.23	2	1756.083	-32.81	-13	Pass

Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.051	0	/	/	/	/	/
1755	1756	0.051	0	1	1755.080	-27.63	-13	Pass
1756	1760	1	12.92	2	1756.260	-17.12	-13	Pass

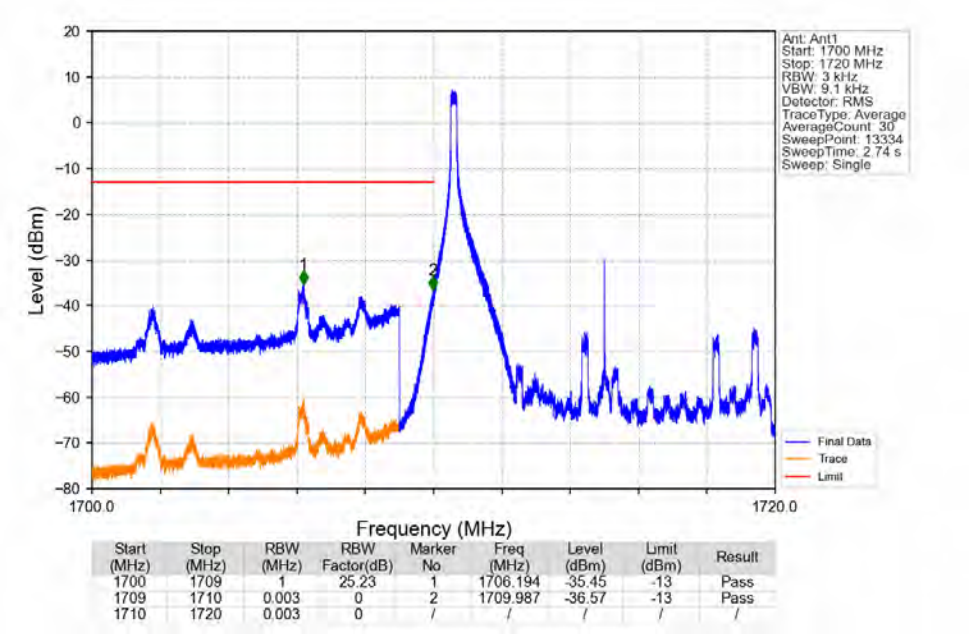
6.4 B4_10MHz

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

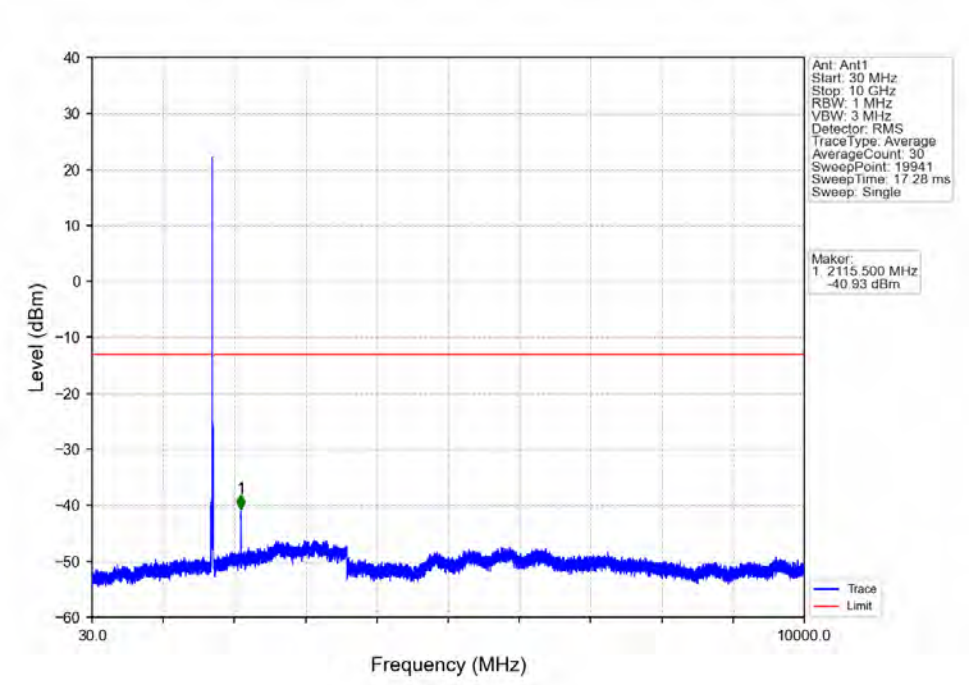
6.4.2 Test Graph

Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

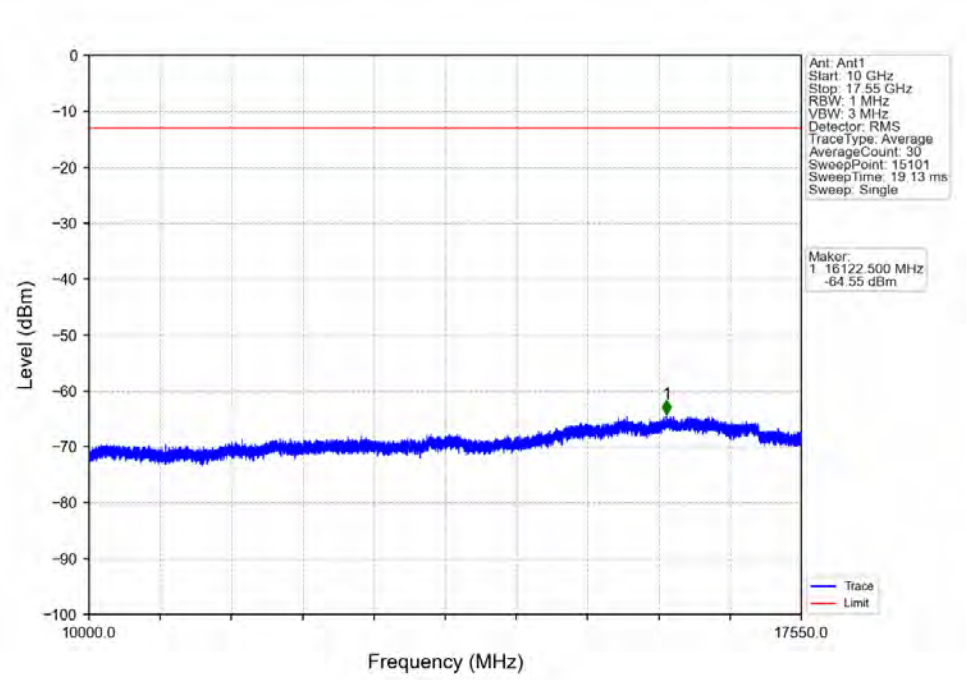


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	25.23	1	1706.194	-35.45	-13	Pass
1709	1710	0.003	0	2	1709.987	-36.57	-13	Pass
1710	1720	0.003	0	/	/	/	/	/

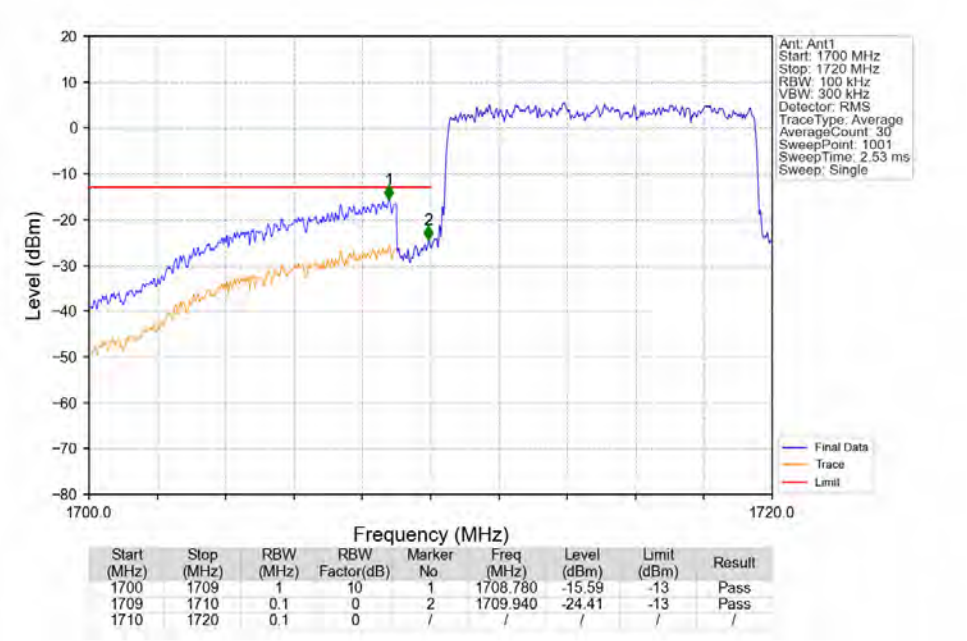
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



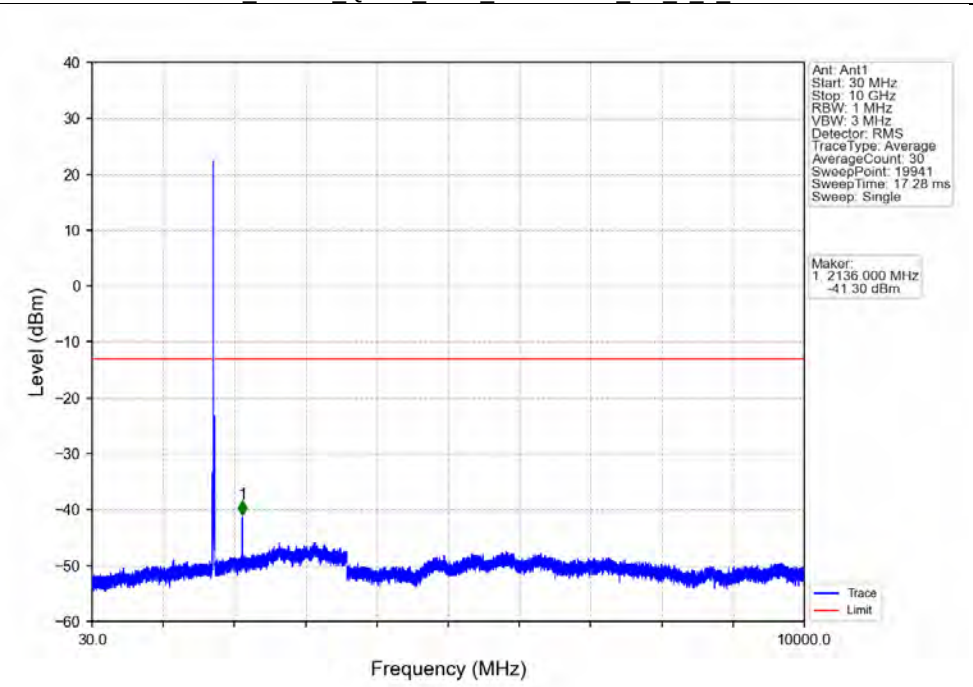
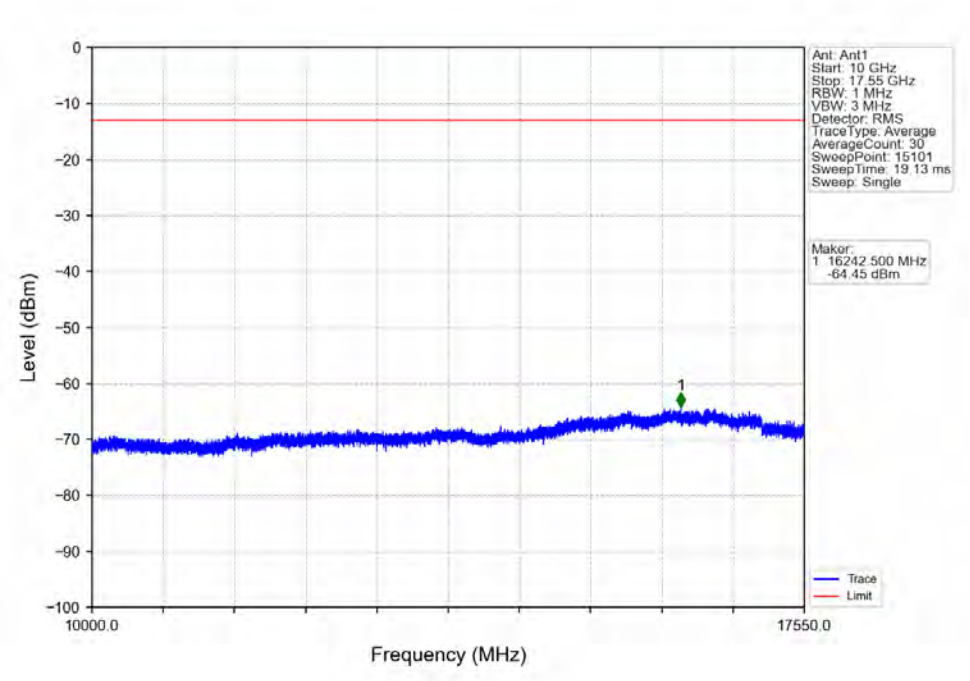
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

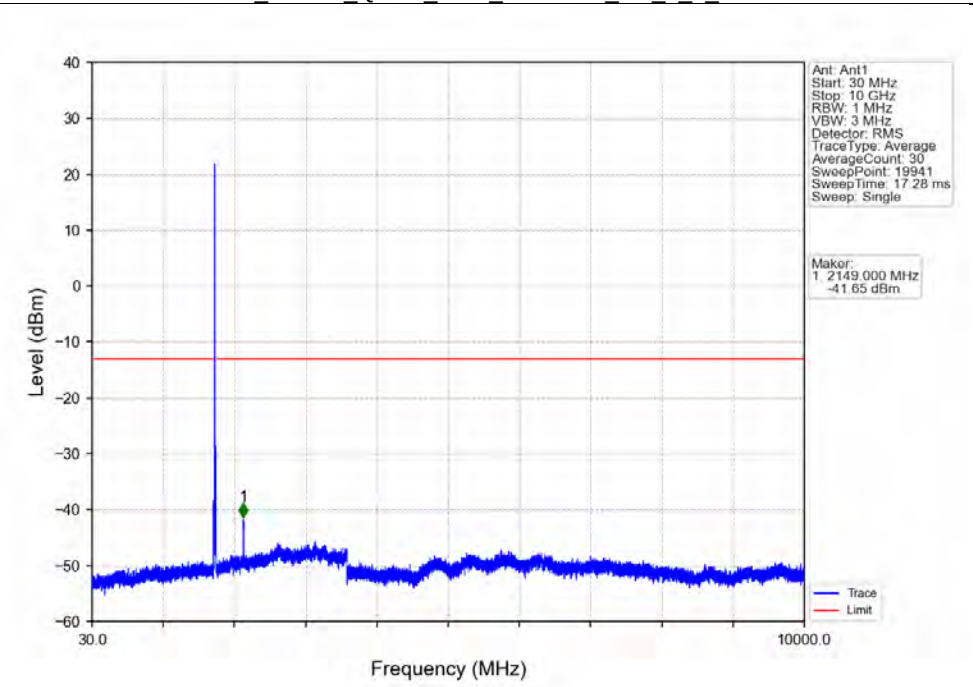
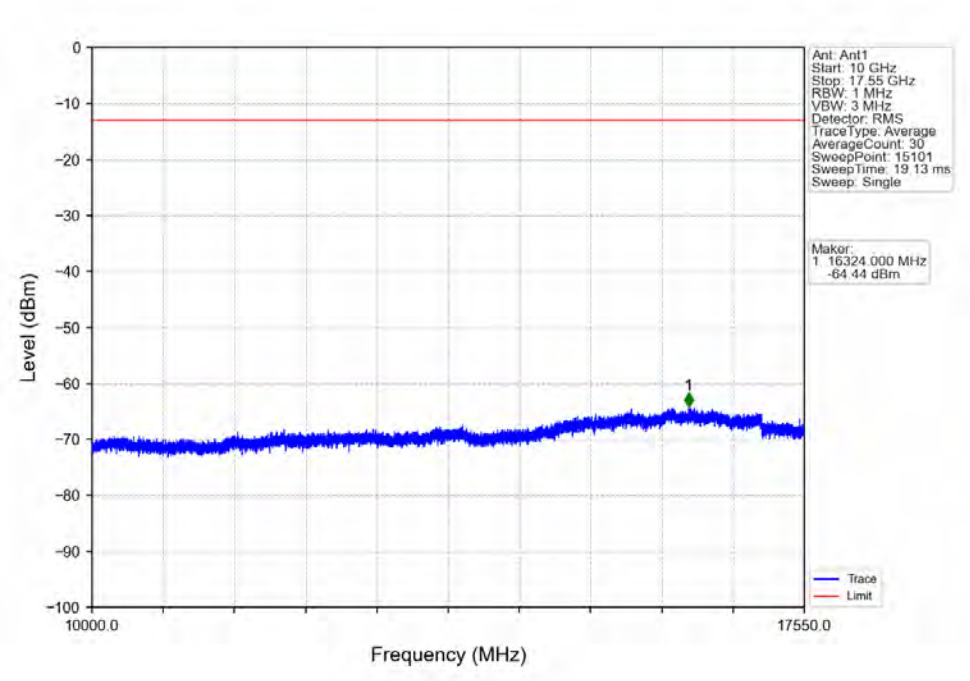


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

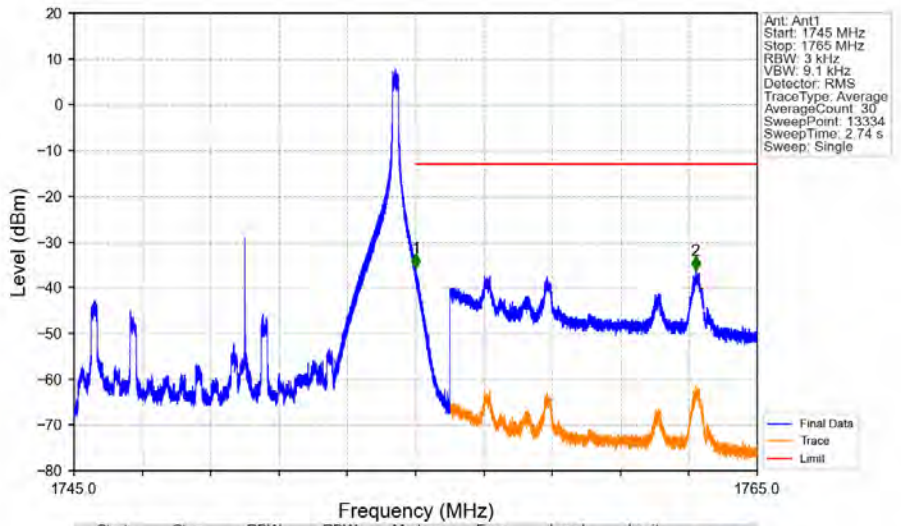


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	10	1	1708.780	-15.59	-13	Pass
1709	1710	0.1	0	2	1709.940	-24.41	-13	Pass
1710	1720	0.1	0	/	/	/	/	/

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV


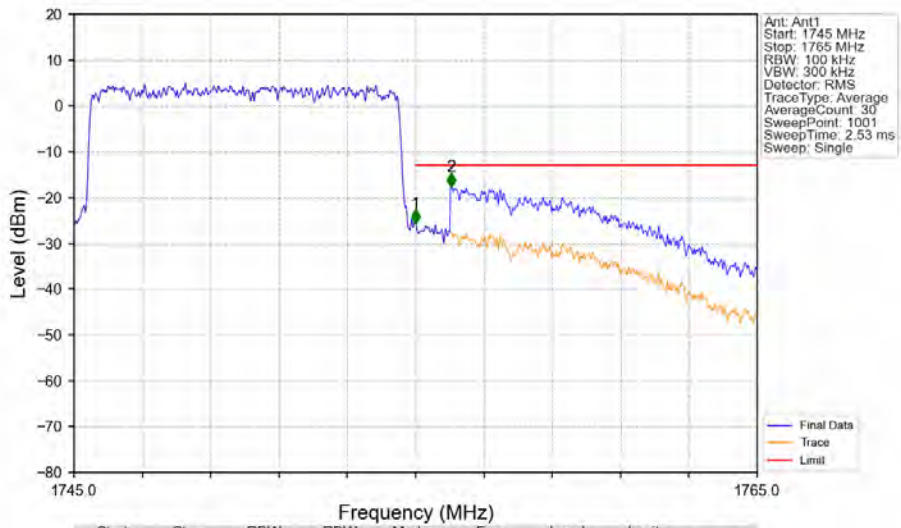
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV

Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV


Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



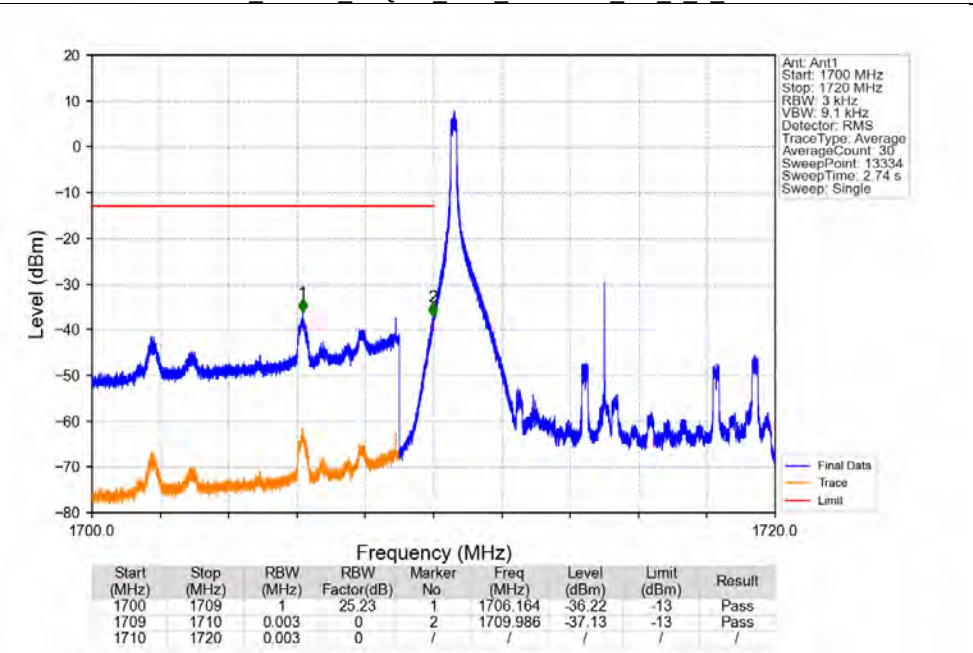
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	0	/	/	/	/	/
1755	1756	0.003	0	1	1755.011	-35.71	-13	Pass
1756	1765	1	25.23	2	1763.194	-36.29	-13	Pass

Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



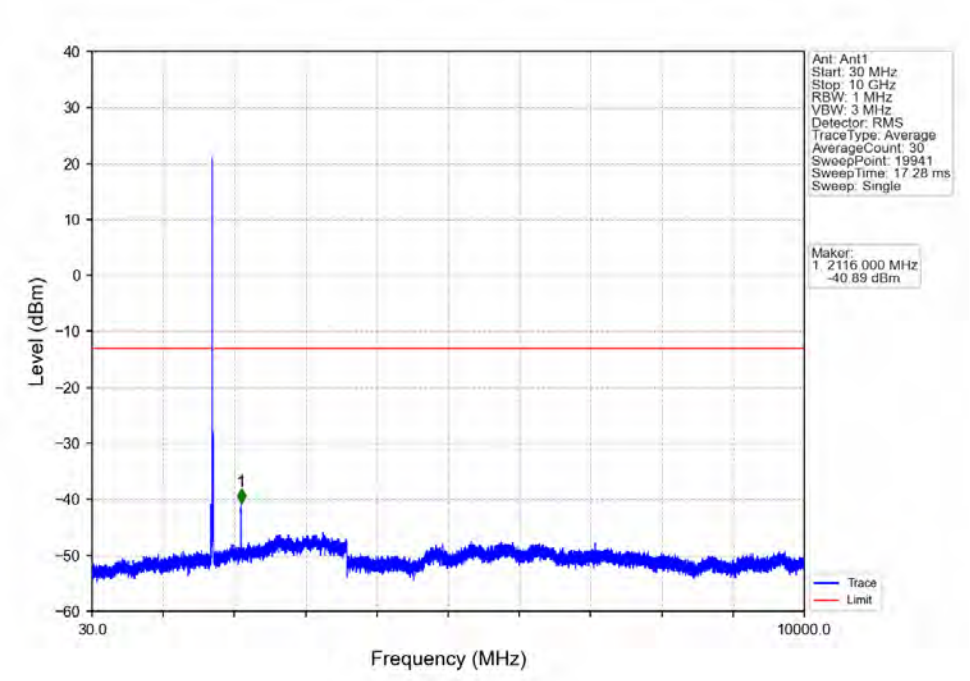
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.1	0	/	/	/	/	/
1755	1756	0.1	0	1	1755.000	-25.63	-13	Pass
1756	1765	1	10	2	1756.040	-17.68	-13	Pass

Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

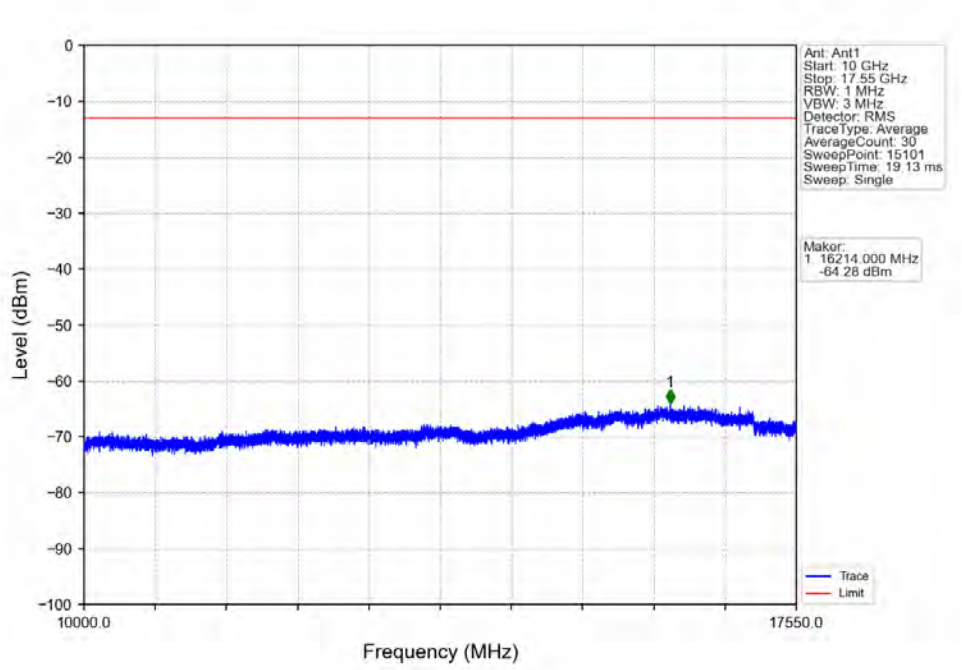


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	25.23	1	1706.164	-36.22	-13	Pass
1709	1710	0.003	0	2	1709.986	-37.13	-13	Pass
1710	1720	0.003	0	/	/	/	/	/

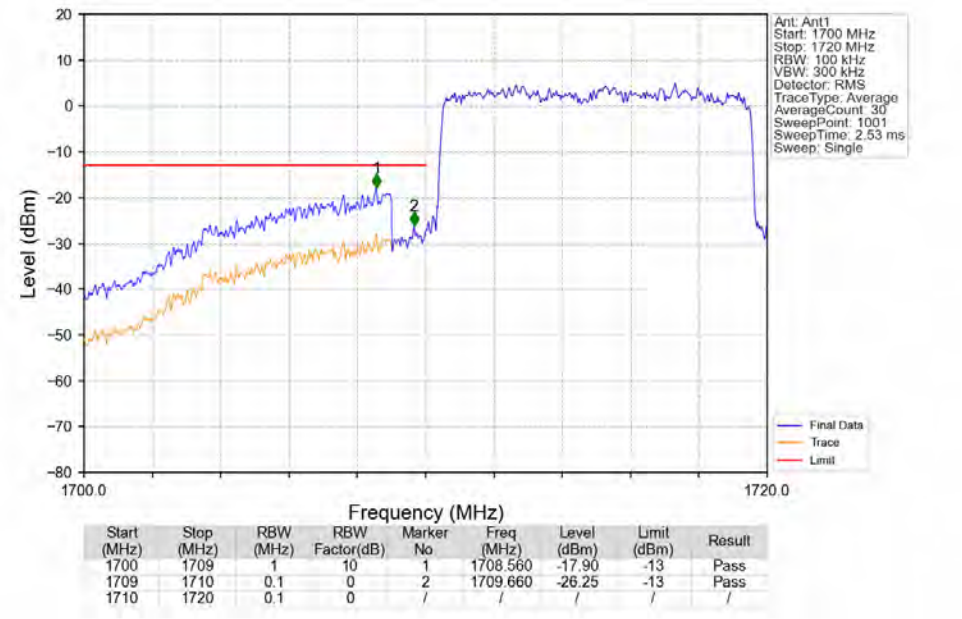
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

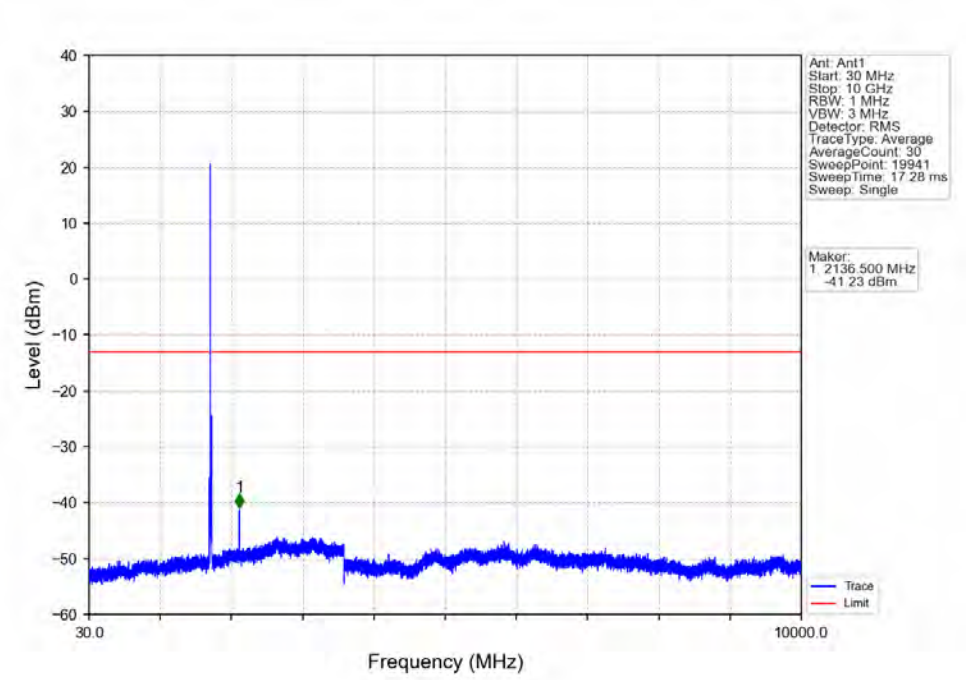


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

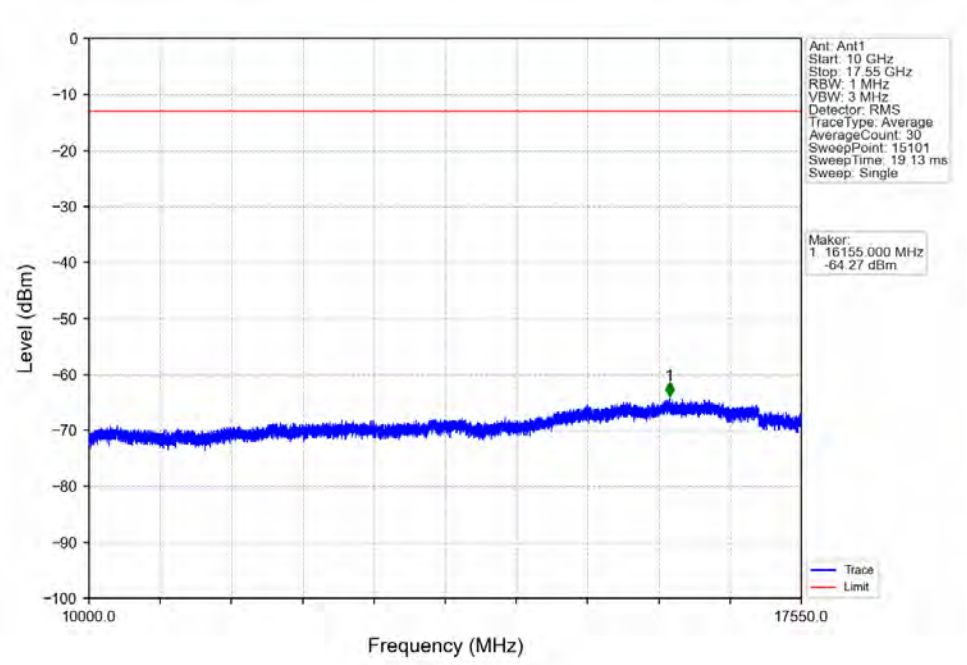


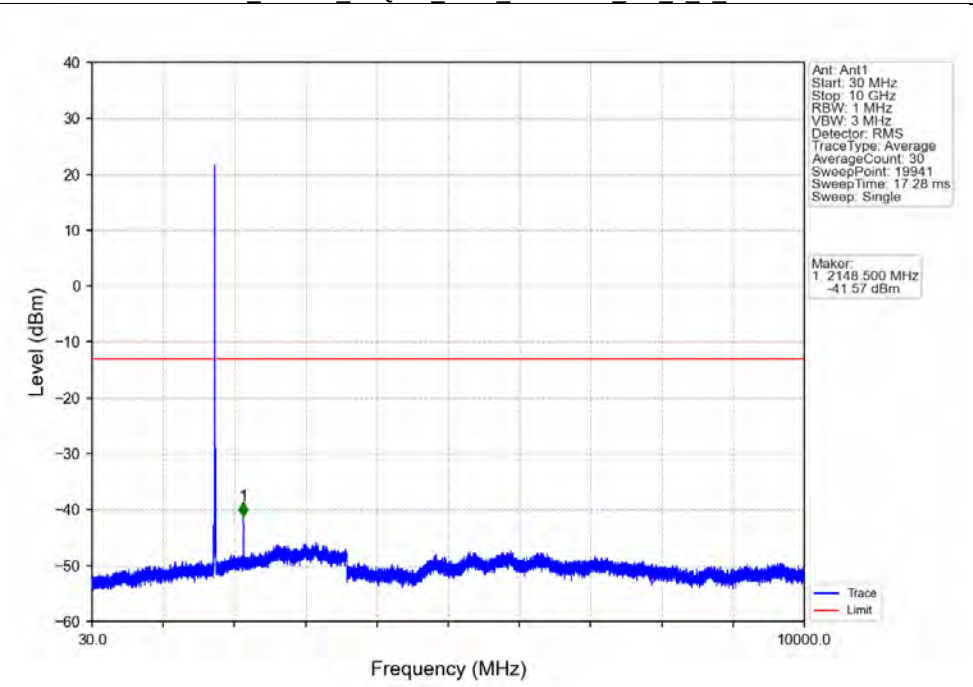
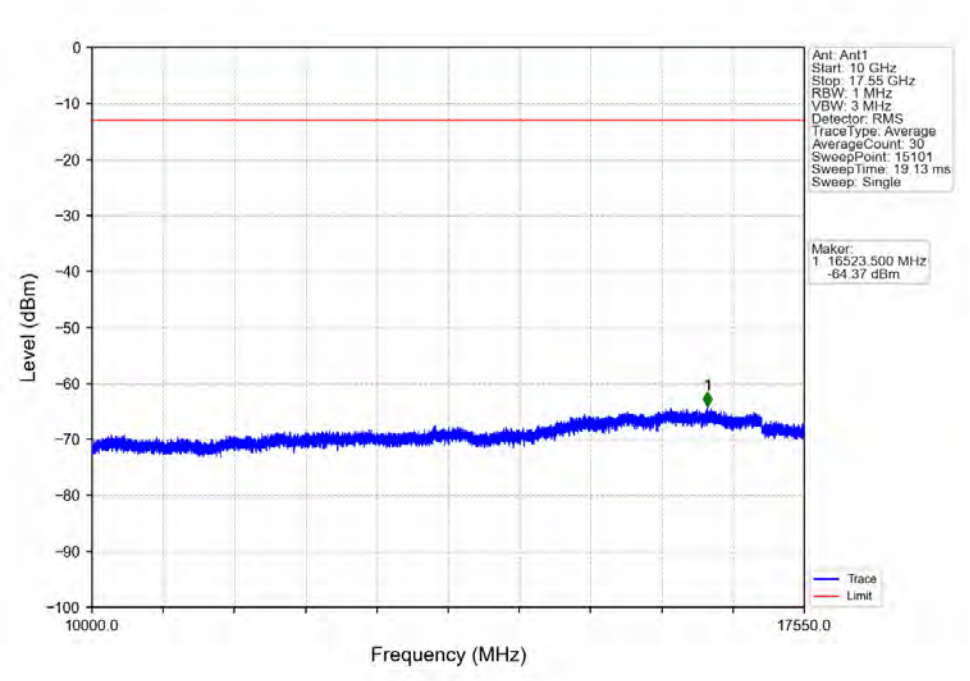
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	10	1	1708.560	-17.90	-13	Pass
1709	1710	0.1	0	2	1709.660	-26.25	-13	Pass
1710	1720	0.1	0	/	/	/	/	/

Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

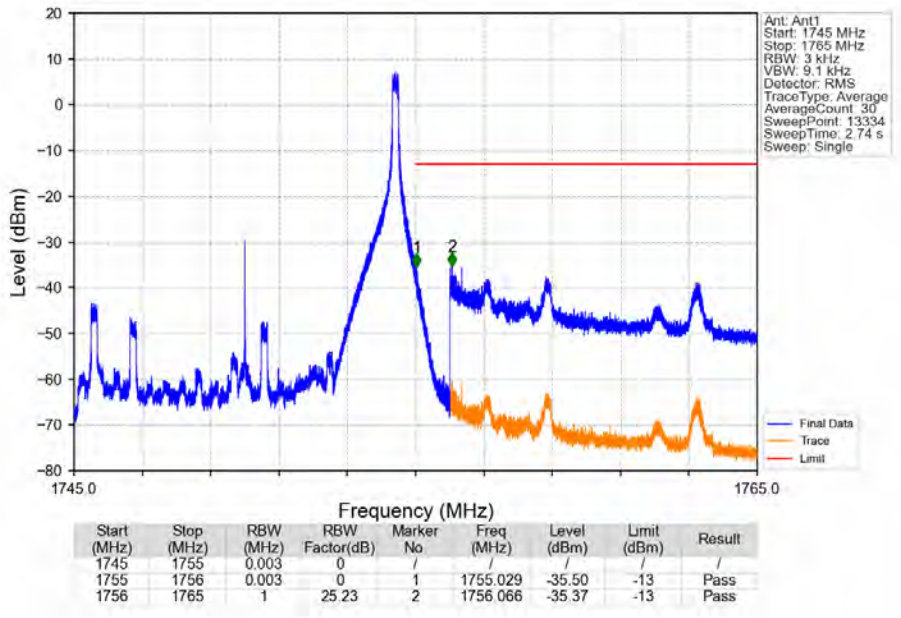


Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



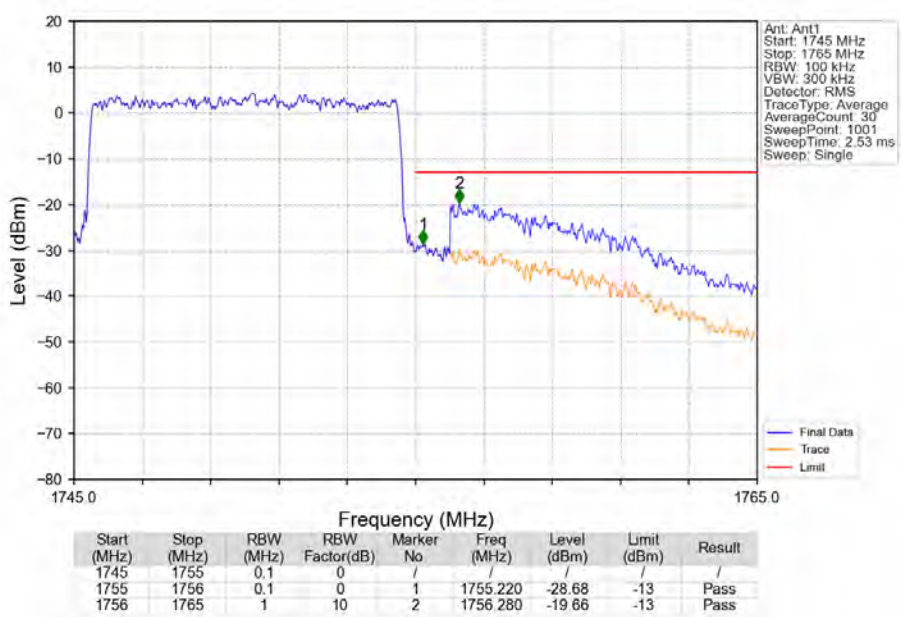
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV

Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV


Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	0	/	/	/	/	/
1755	1756	0.003	0	1	1755.029	-35.50	-13	Pass
1756	1765	1	25.23	2	1756.066	-35.37	-13	Pass

Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.1	0	/	/	/	/	/
1755	1756	0.1	0	1	1755.220	-28.68	-13	Pass
1756	1765	1	10	2	1756.280	-19.66	-13	Pass

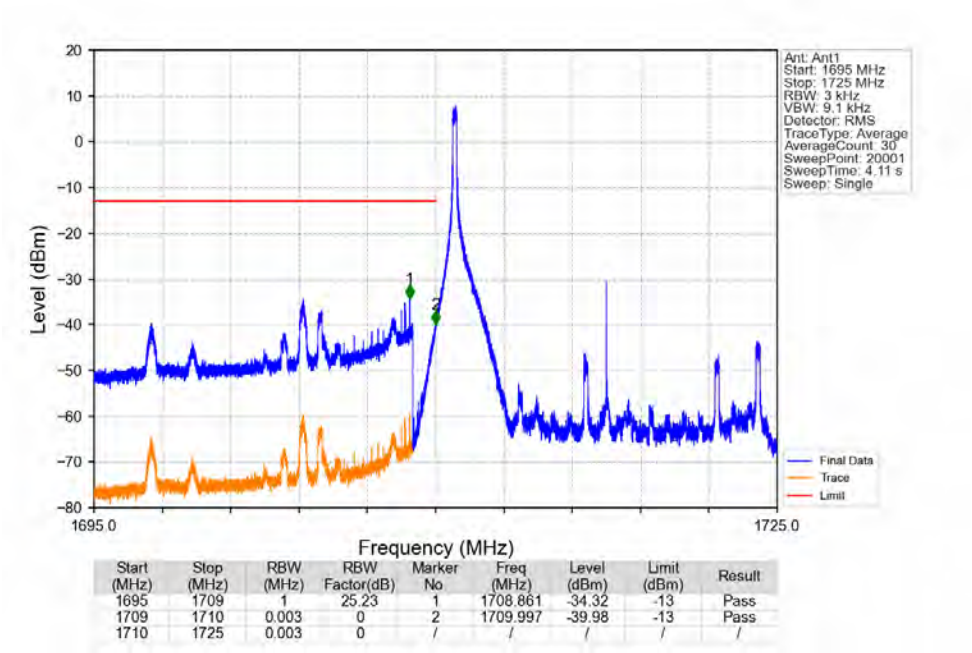
6.5 B4_15MHz

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

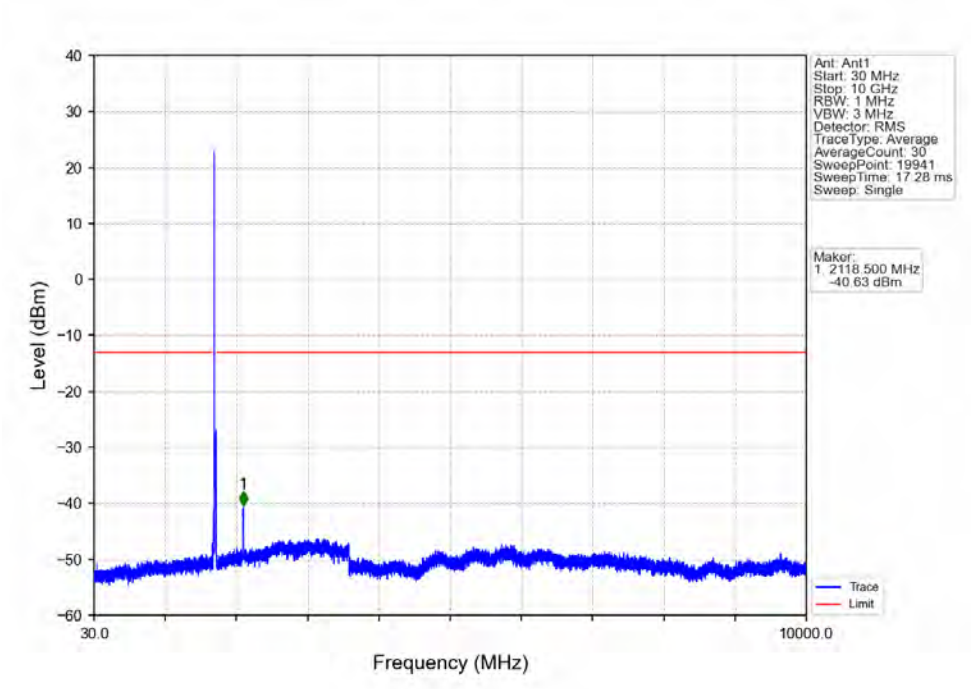
6.5.2 Test Graph

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

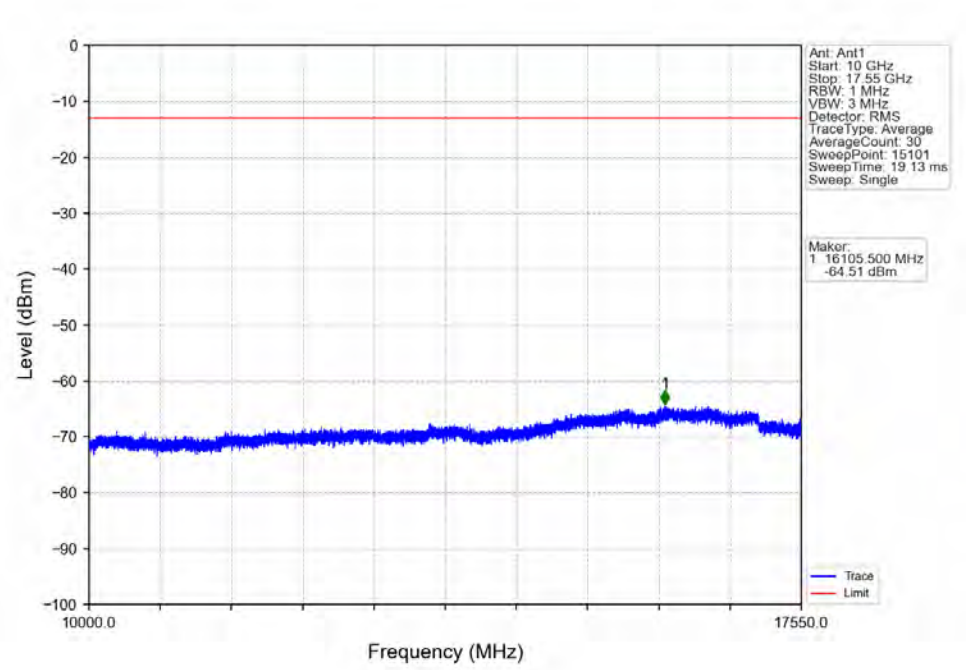


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	25.23	1	1708.861	-34.32	-13	Pass
1709	1710	0.003	0	2	1709.997	-39.98	-13	Pass
1710	1725	0.003	0	/	/	/	/	/

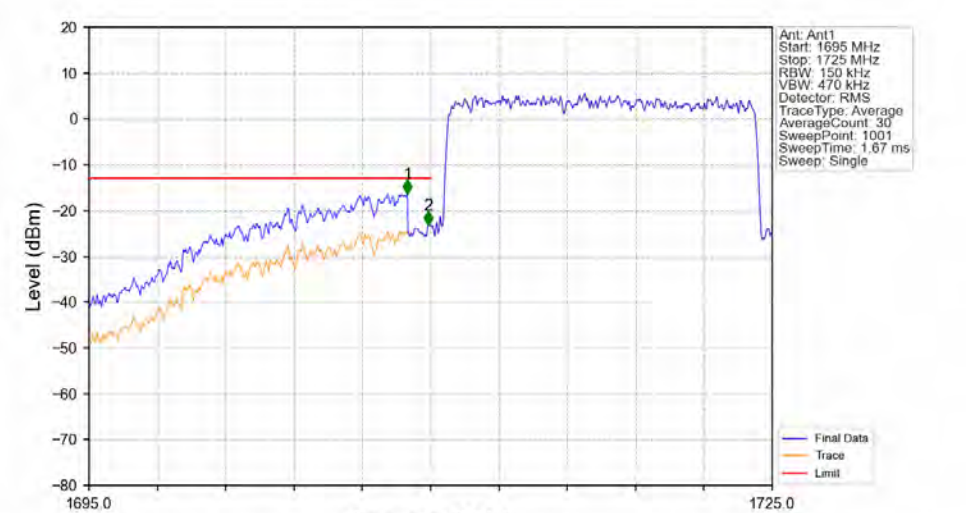
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

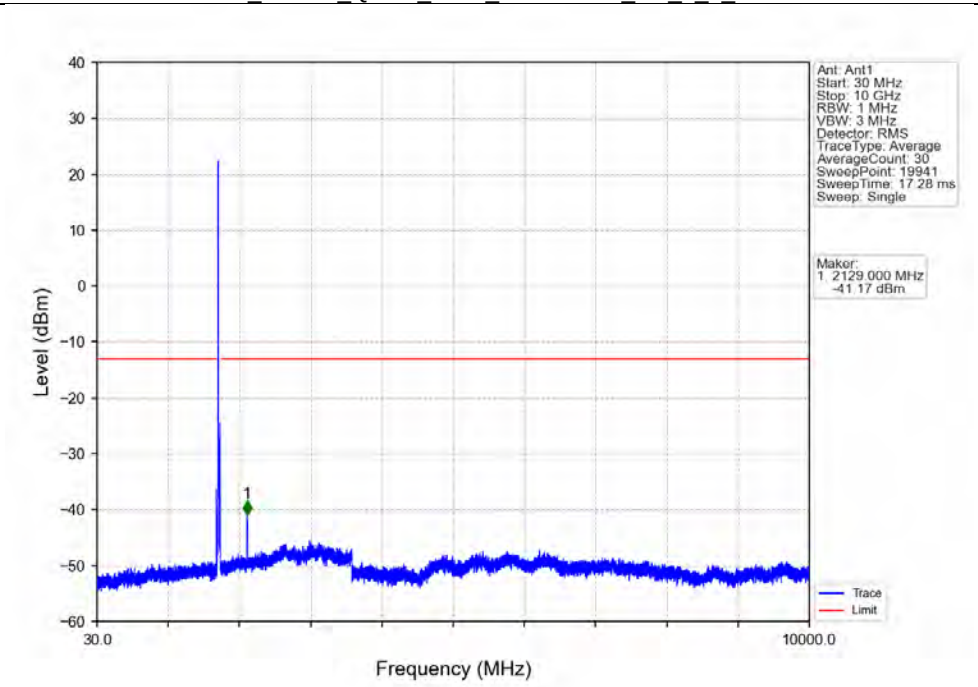


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

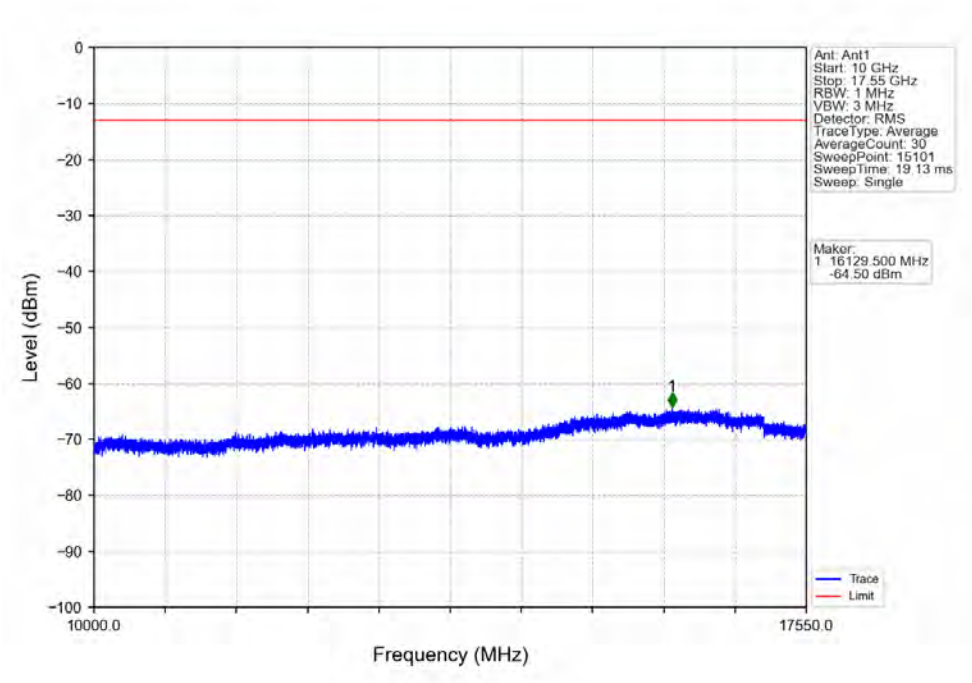


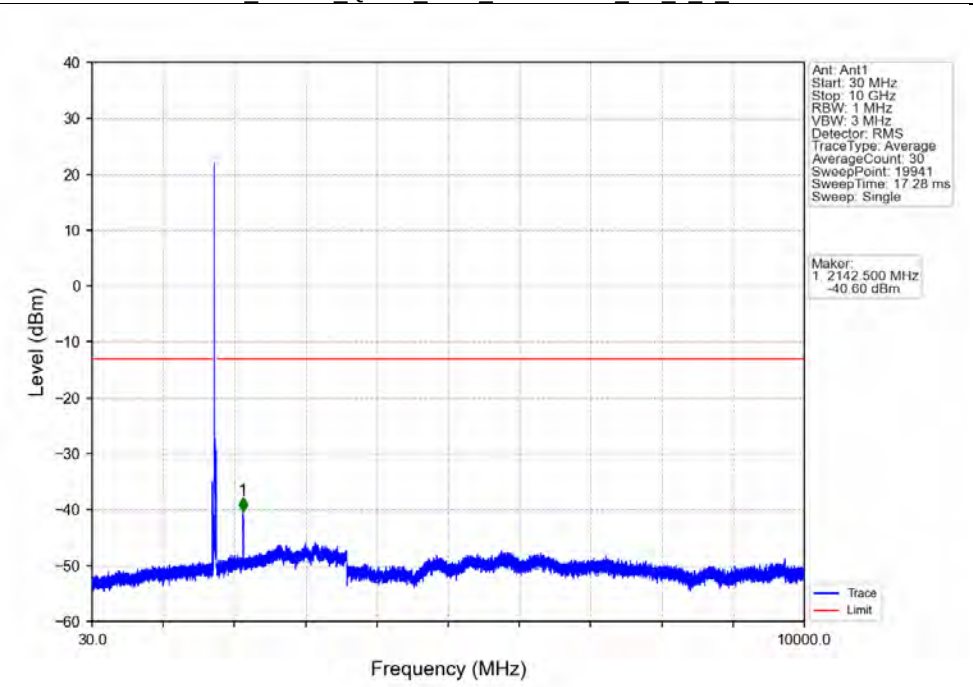
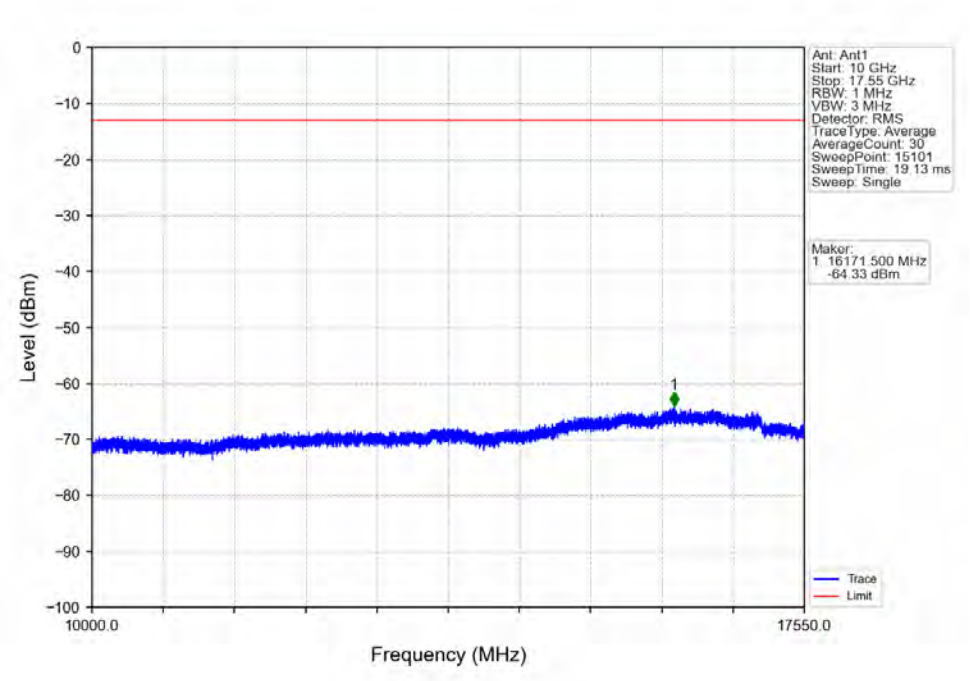
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	8.24	1	1708.980	-16.36	-13	Pass
1709	1710	0.15	0	2	1709.910	-23.16	-13	Pass
1710	1725	0.15	0	/	/	/	/	/

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

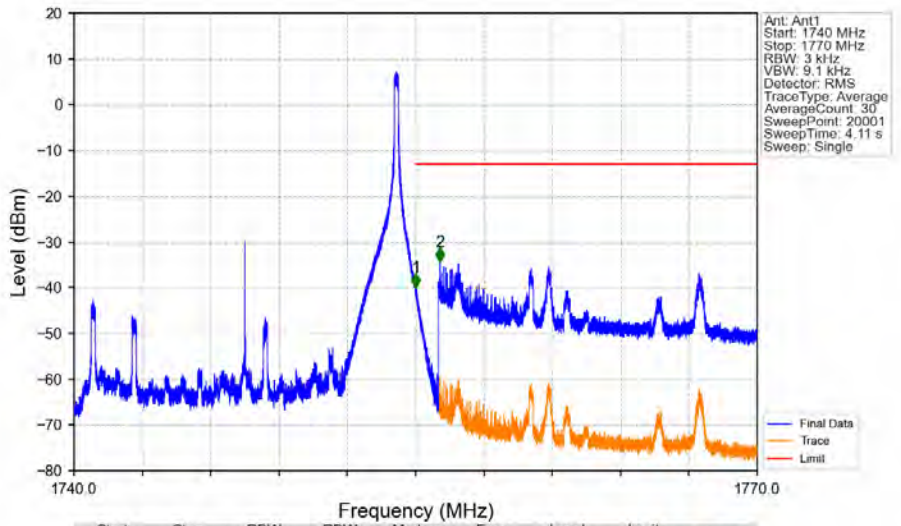


Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



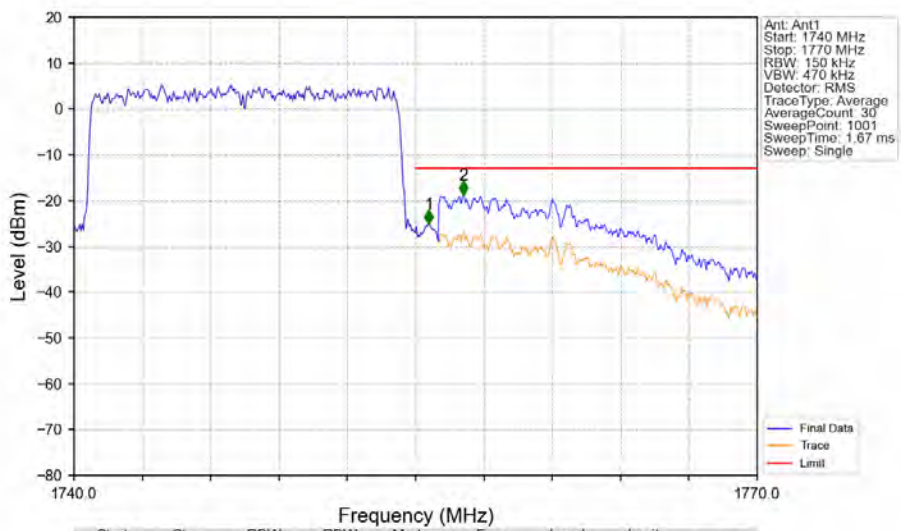
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



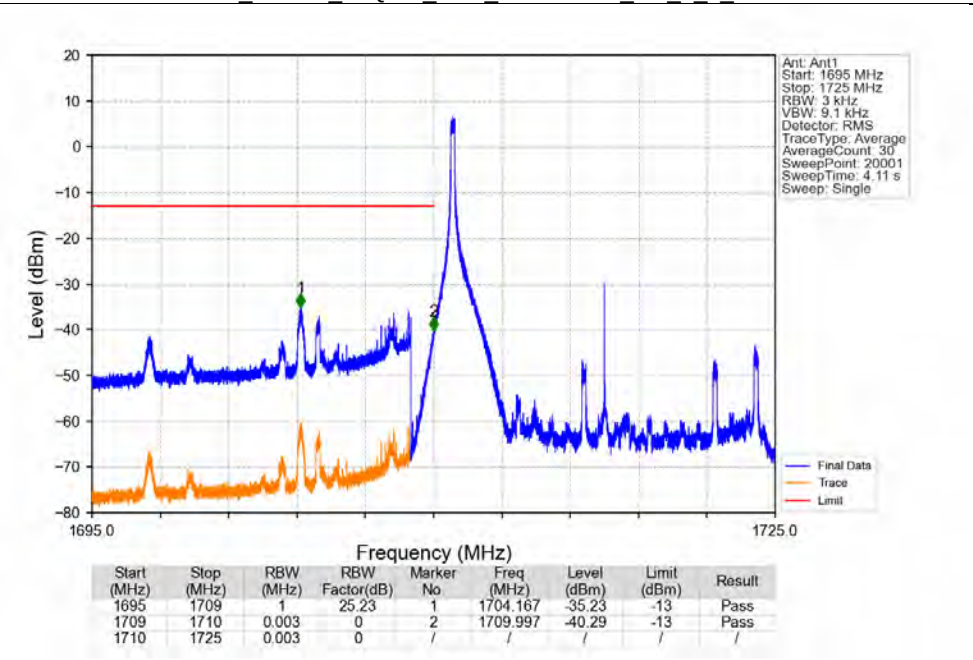
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	0	/	/	/	/	/
1755	1756	0.003	0	1	1755.003	-39.91	-13	Pass
1756	1770	1	25.23	2	1756.074	-34.33	-13	Pass

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



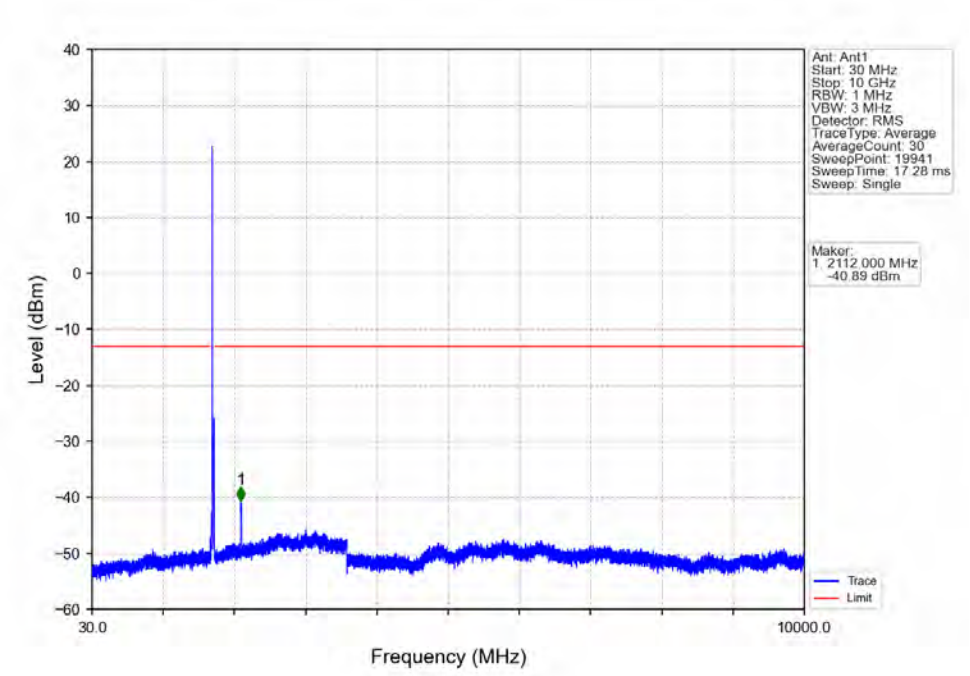
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.15	0	/	/	/	/	/
1755	1756	0.15	0	1	1755.570	-25.16	-13	Pass
1756	1770	1	8.24	2	1757.100	-18.82	-13	Pass

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

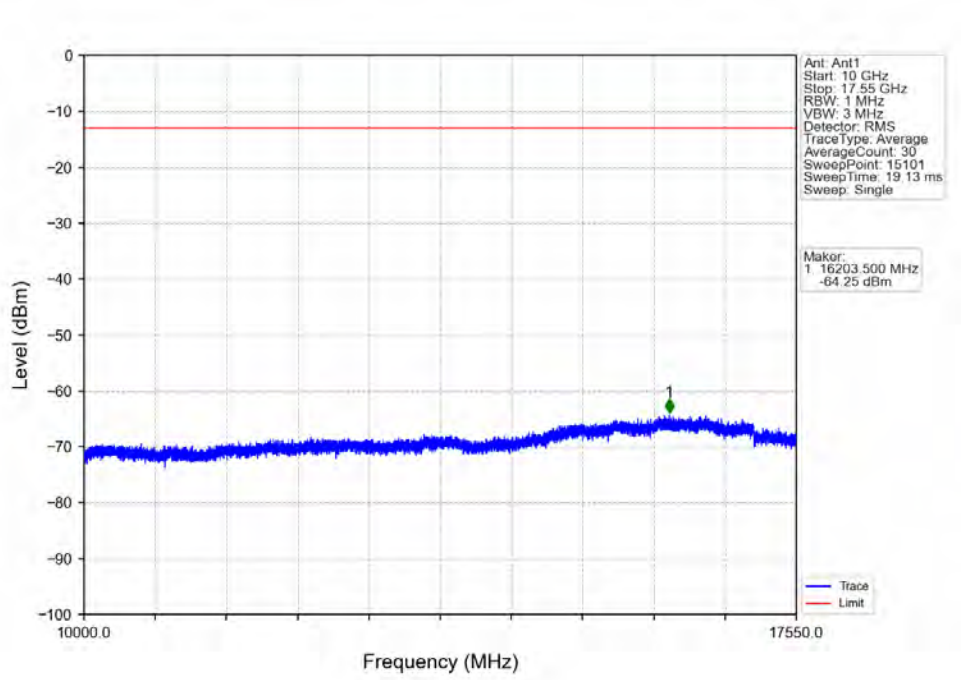


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	25.23	1	1704.167	-35.23	-13	Pass
1709	1710	0.003	0	2	1709.997	-40.29	-13	Pass
1710	1725	0.003	0	/	/	/	/	/

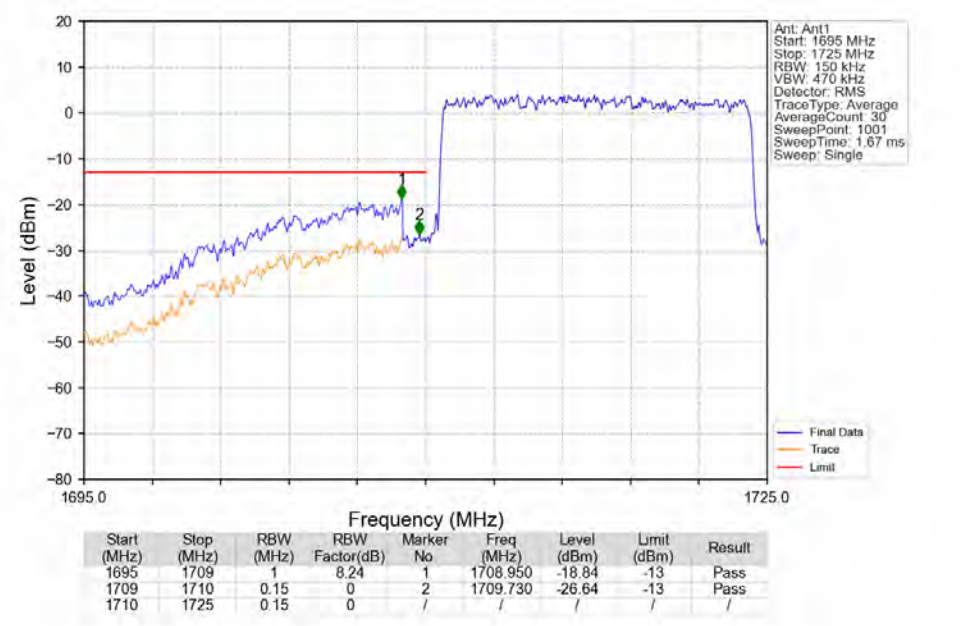
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

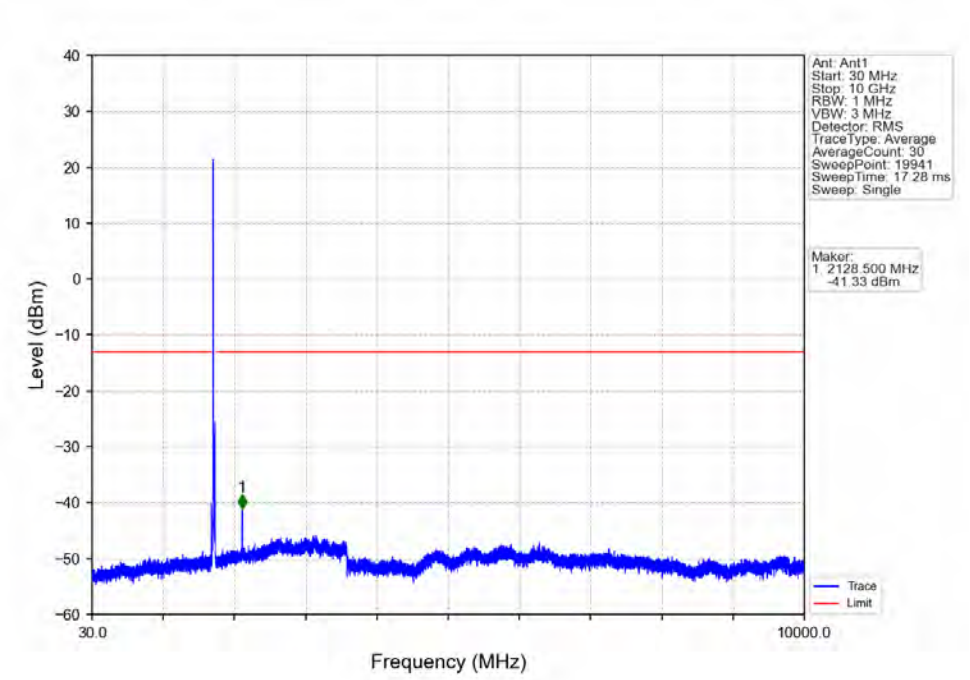


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

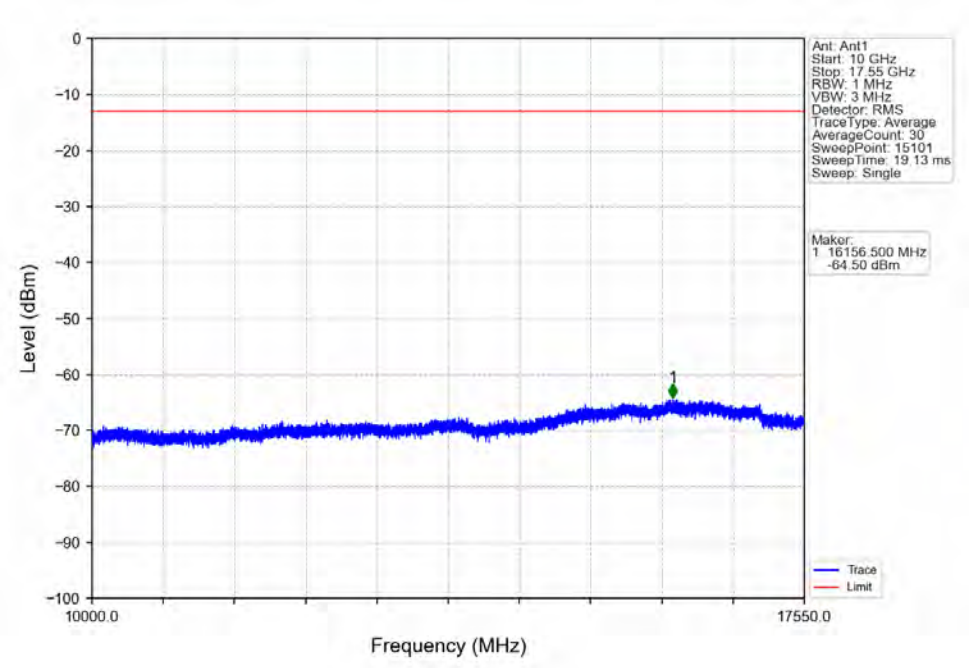


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	8.24	1	1708.950	-18.84	-13	Pass
1709	1710	0.15	0	2	1709.730	-26.64	-13	Pass
1710	1725	0.15	0	/	/	/	/	/

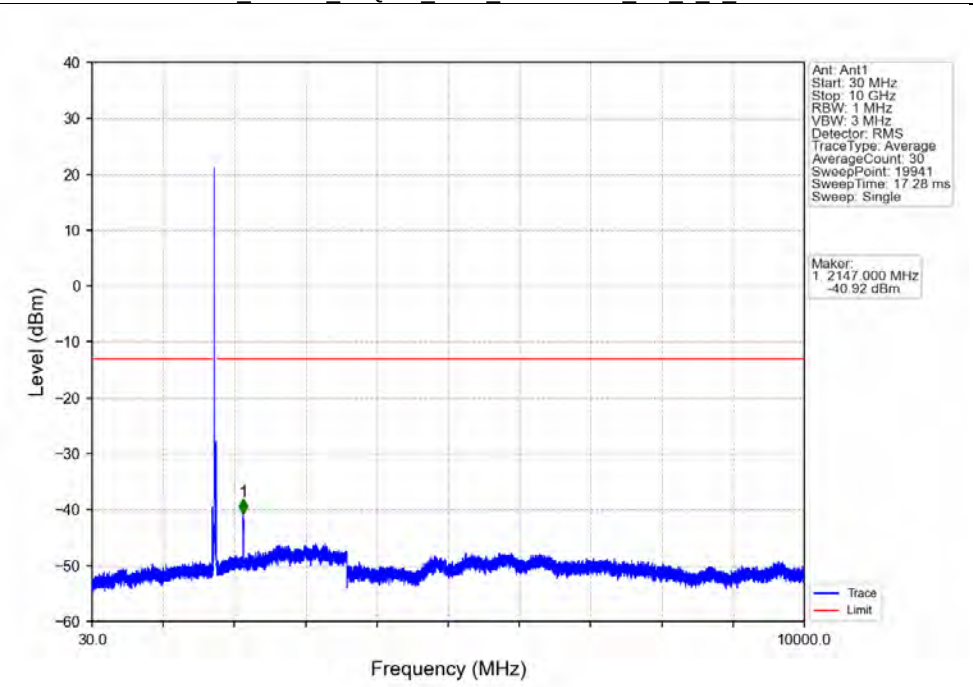
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



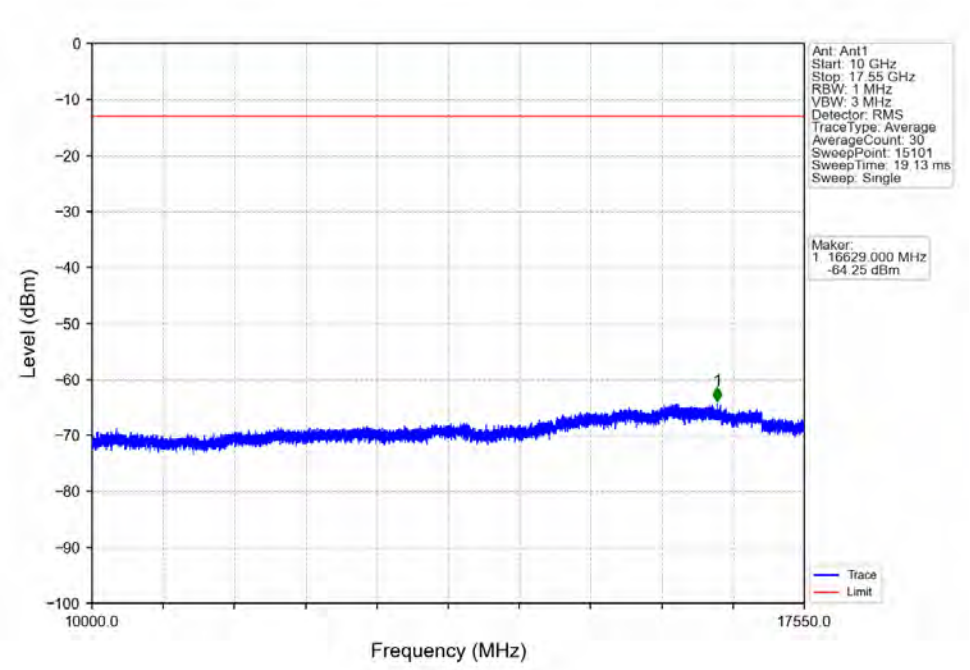
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



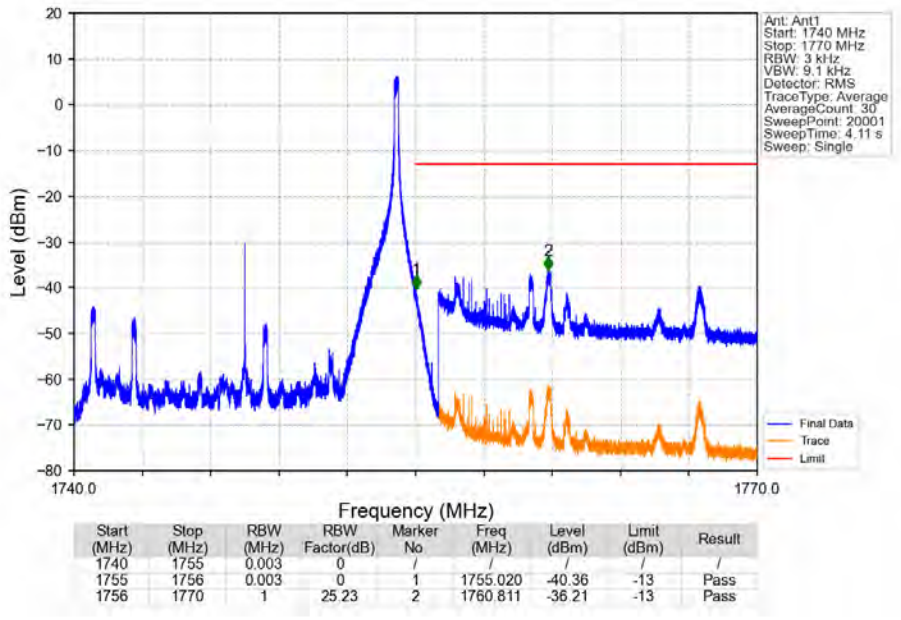
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV

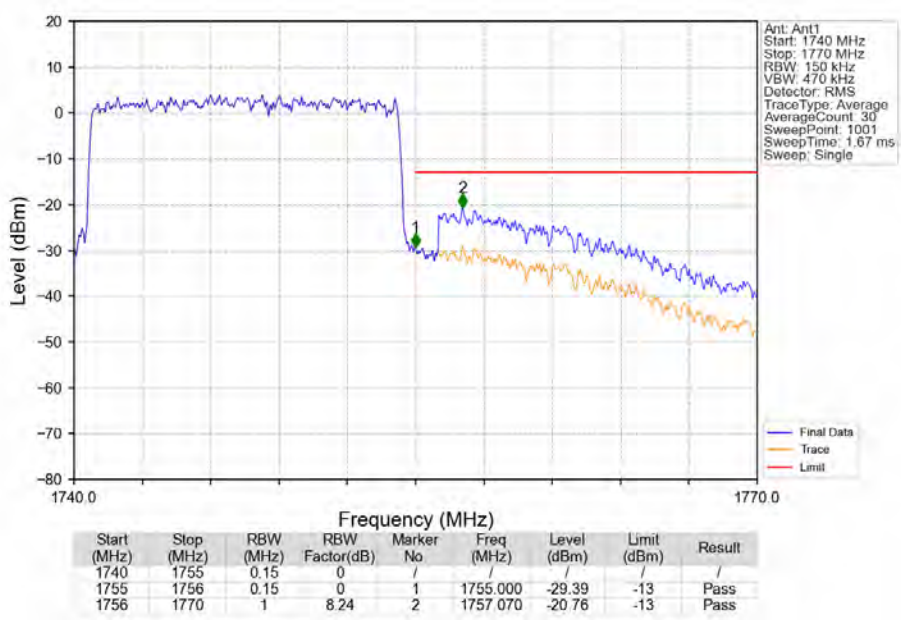


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	0	/	/	/	/	/
1755	1756	0.003	0	1	1755.020	-40.36	-13	Pass
1756	1770	1	25.23	2	1760.811	-36.21	-13	Pass

Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.15	0	/	/	/	/	/
1755	1756	0.15	0	1	1755.000	-29.39	-13	Pass
1756	1770	1	8.24	2	1757.070	-20.76	-13	Pass

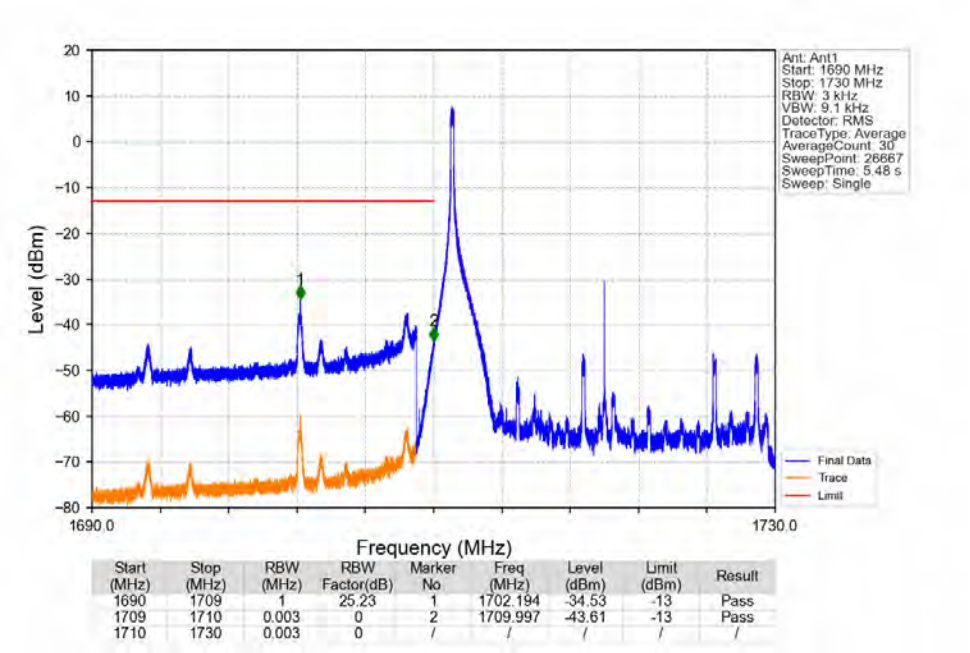
6.6 B4_20MHz

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

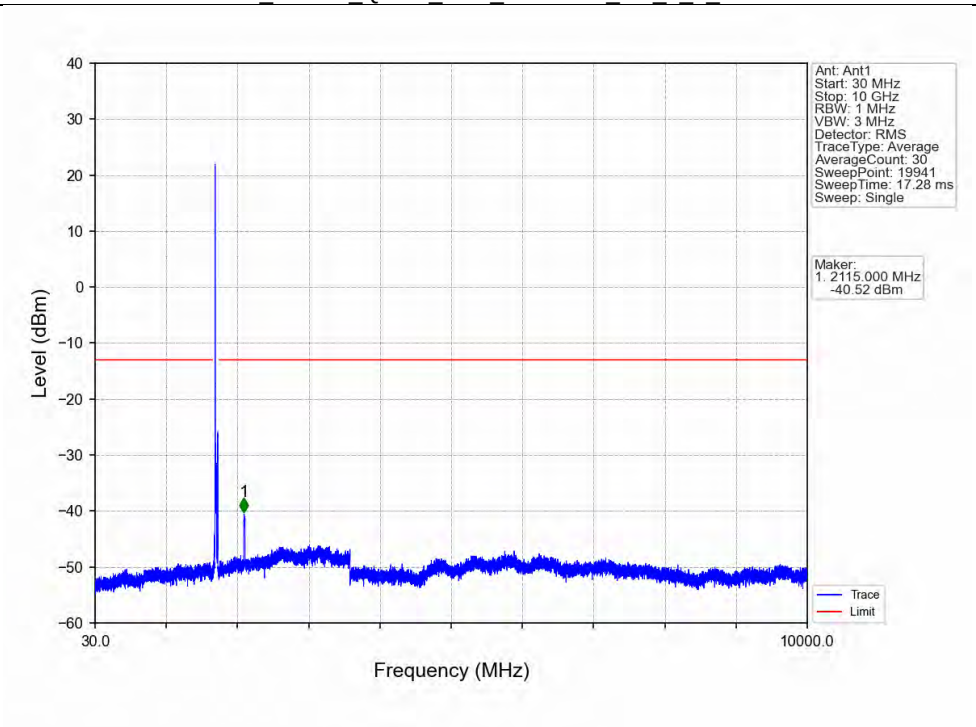
6.6.2 Test Graph

Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

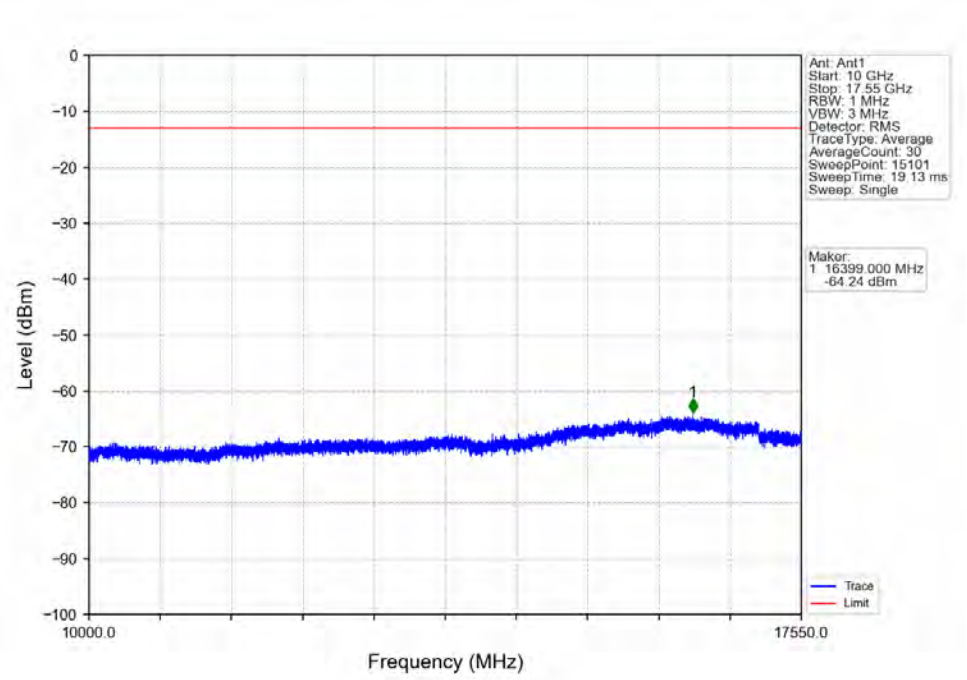


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	25.23	1	1702.194	-34.53	-13	Pass
1709	1710	0.003	0	2	1709.997	-43.61	-13	Pass
1710	1730	0.003	0	/	/	/	/	/

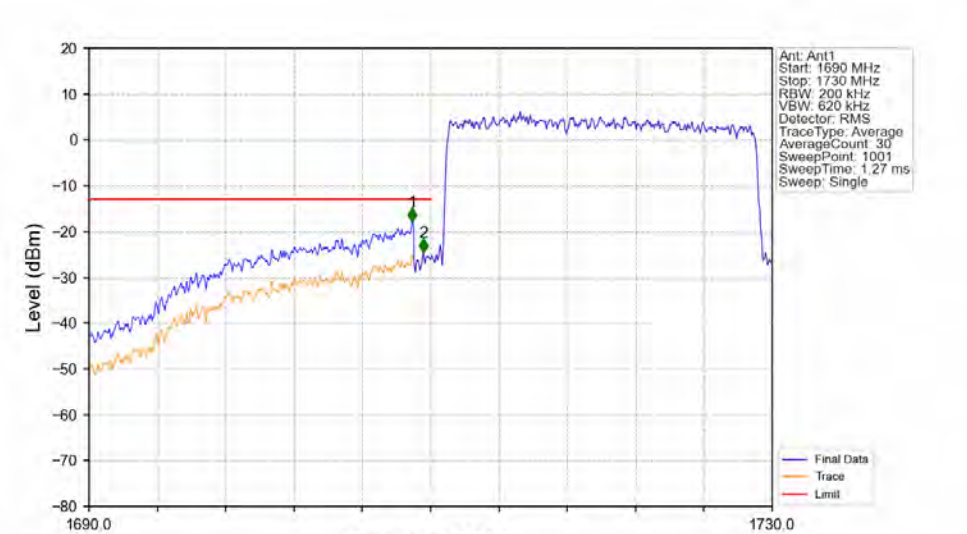
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



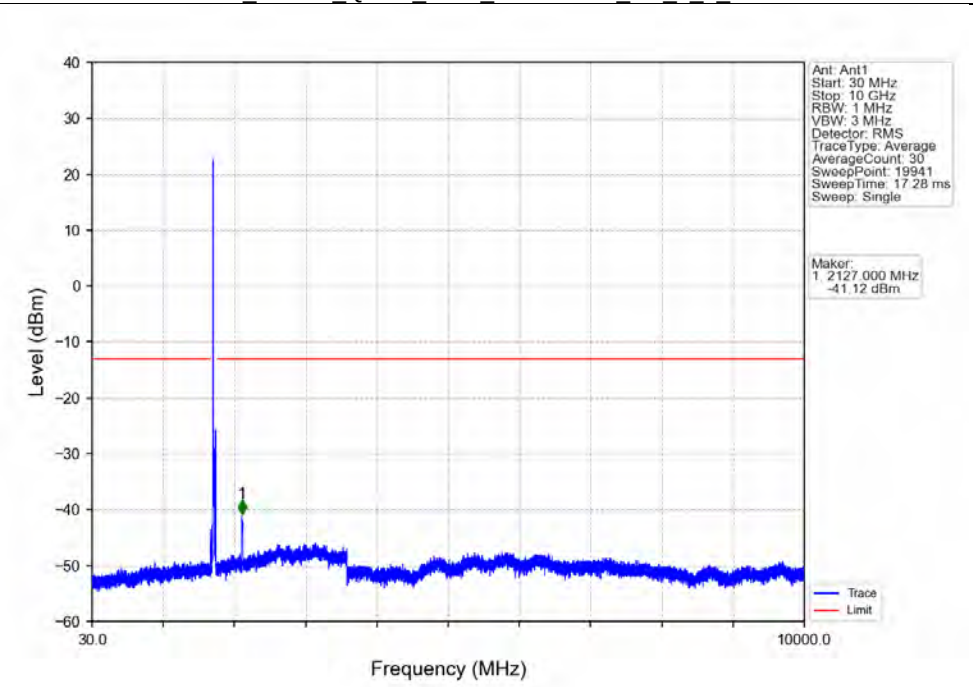
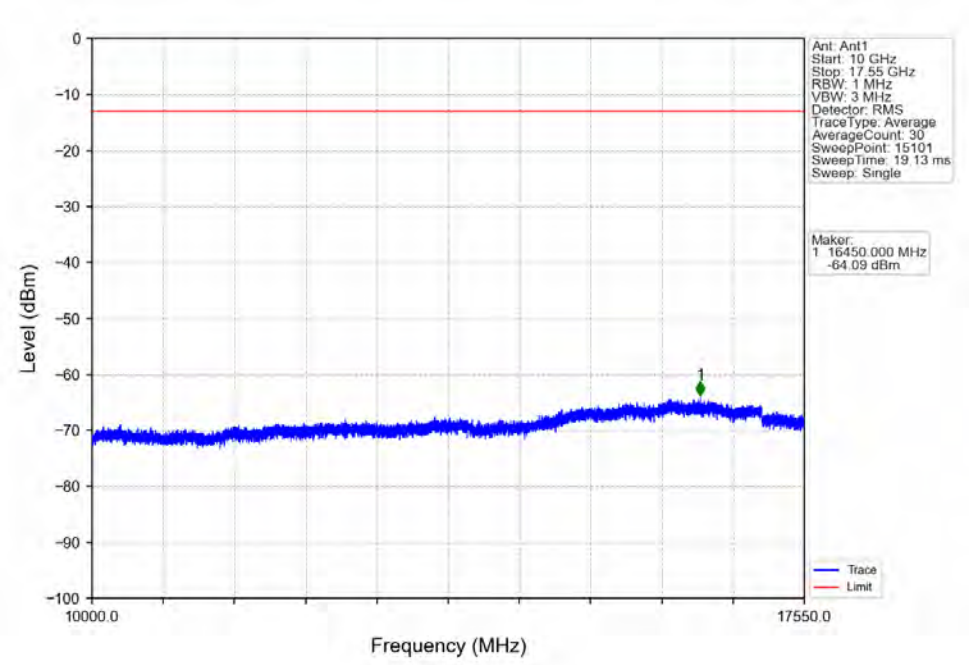
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

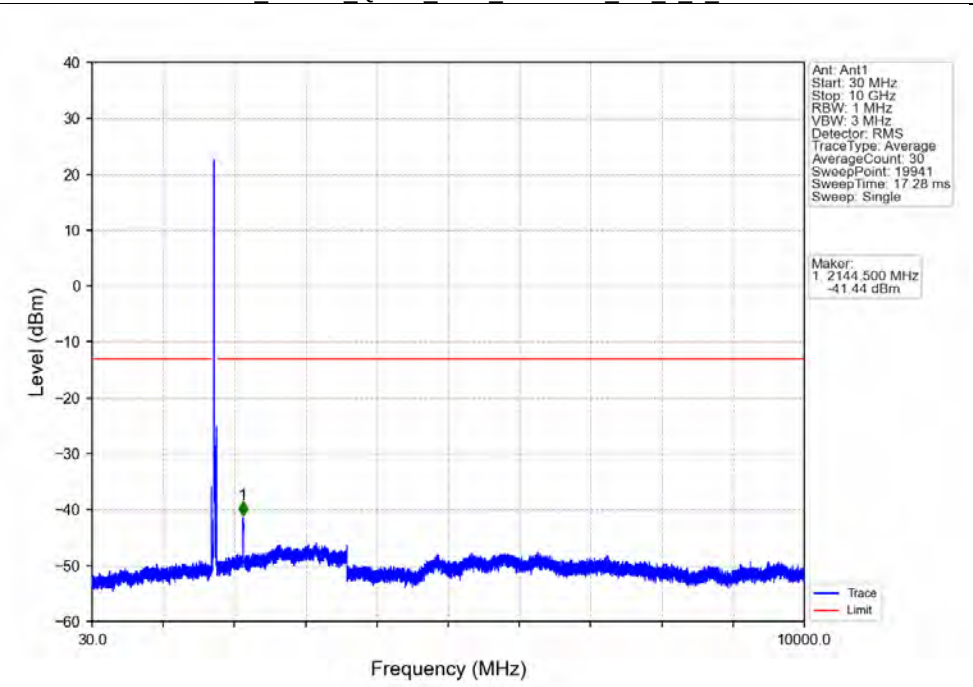
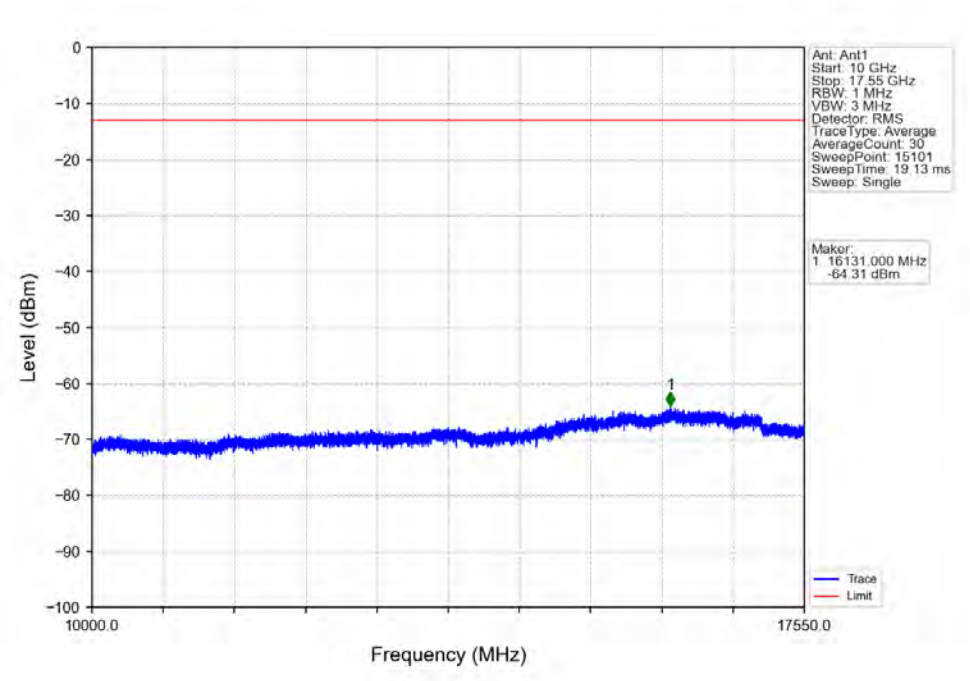


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

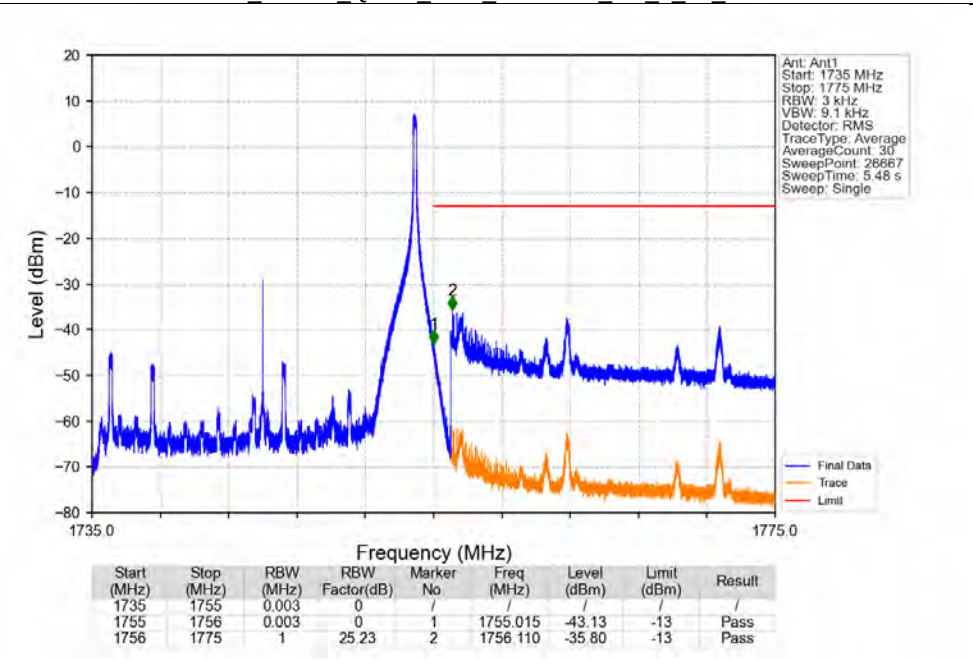


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	6.99	1	1708.920	-18.00	-13	Pass
1709	1710	0.2	0	2	1709.560	-24.66	-13	Pass
1710	1730	0.2	0	/	/	/	/	/

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV


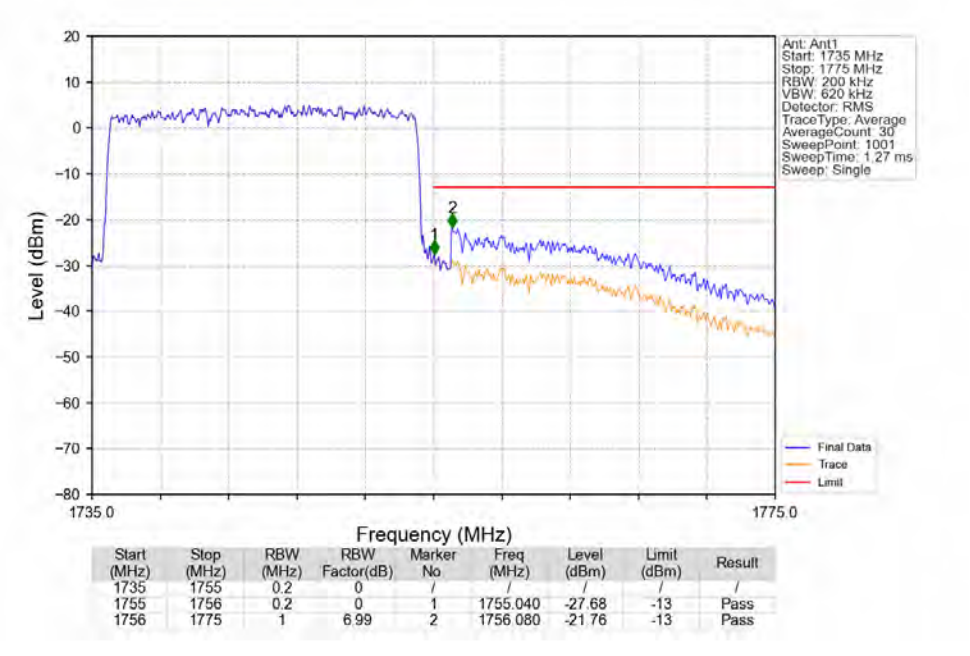
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV


Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



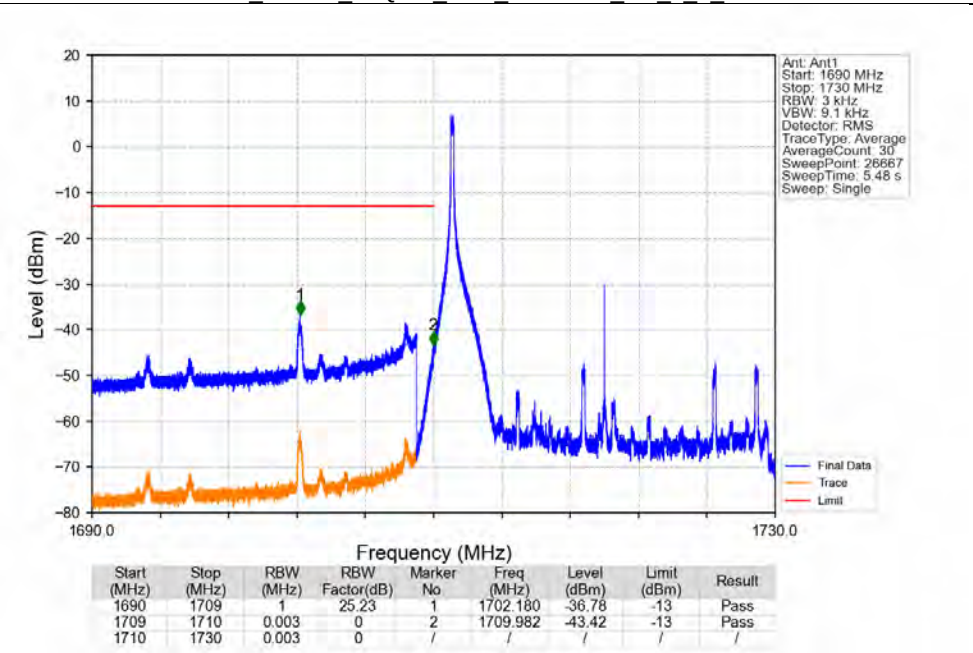
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	0	/	/	/	/	/
1755	1756	0.003	0	1	1755.015	-43.13	-13	Pass
1756	1775	1	25.23	2	1756.110	-35.80	-13	Pass

Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



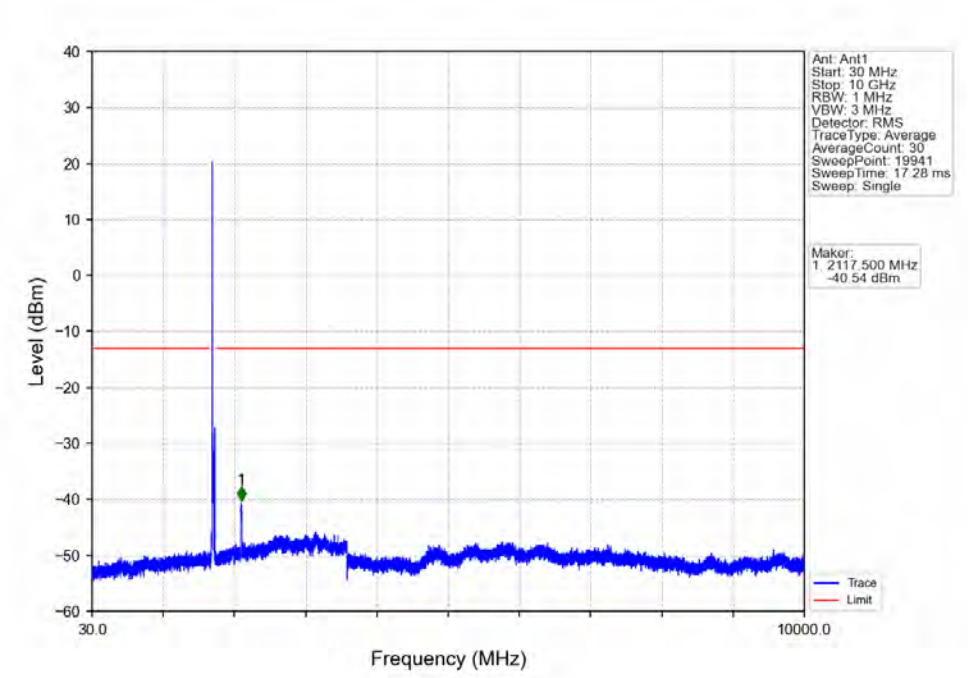
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.2	0	/	/	/	/	/
1755	1756	0.2	0	1	1755.040	-27.68	-13	Pass
1756	1775	1	6.99	2	1756.080	-21.76	-13	Pass

Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

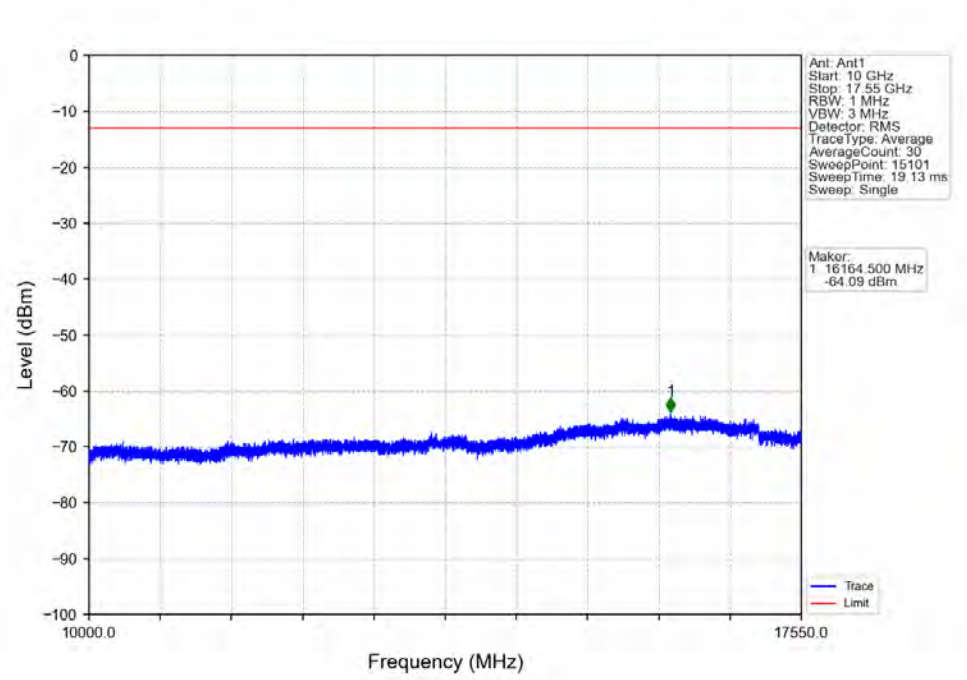


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	25.23	1	1702.180	-36.78	-13	Pass
1709	1710	0.003	0	2	1709.982	-43.42	-13	Pass
1710	1730	0.003	0	/	/	/	/	/

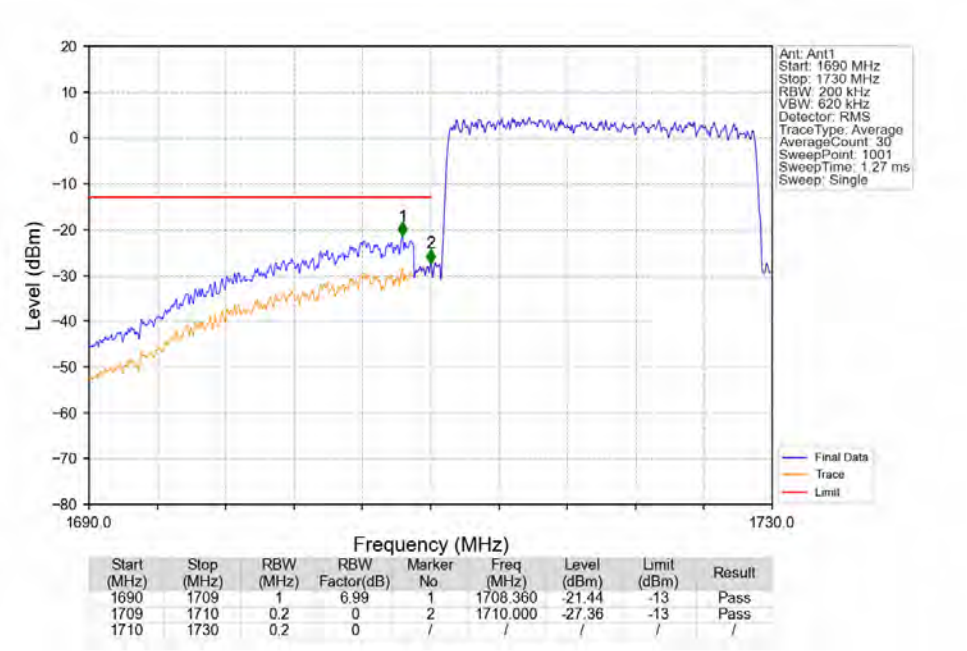
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

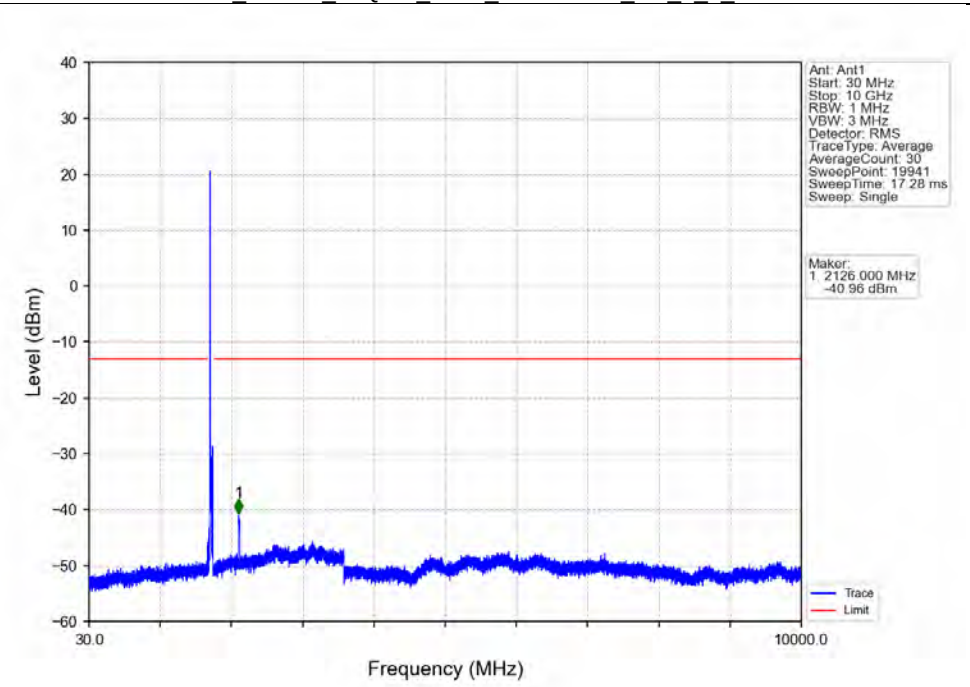


Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

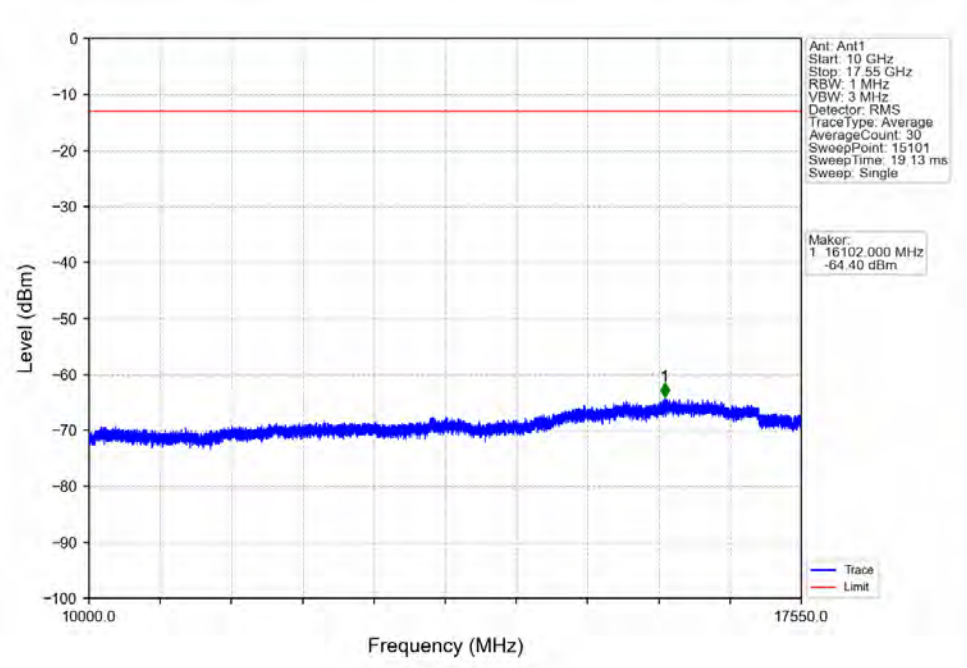


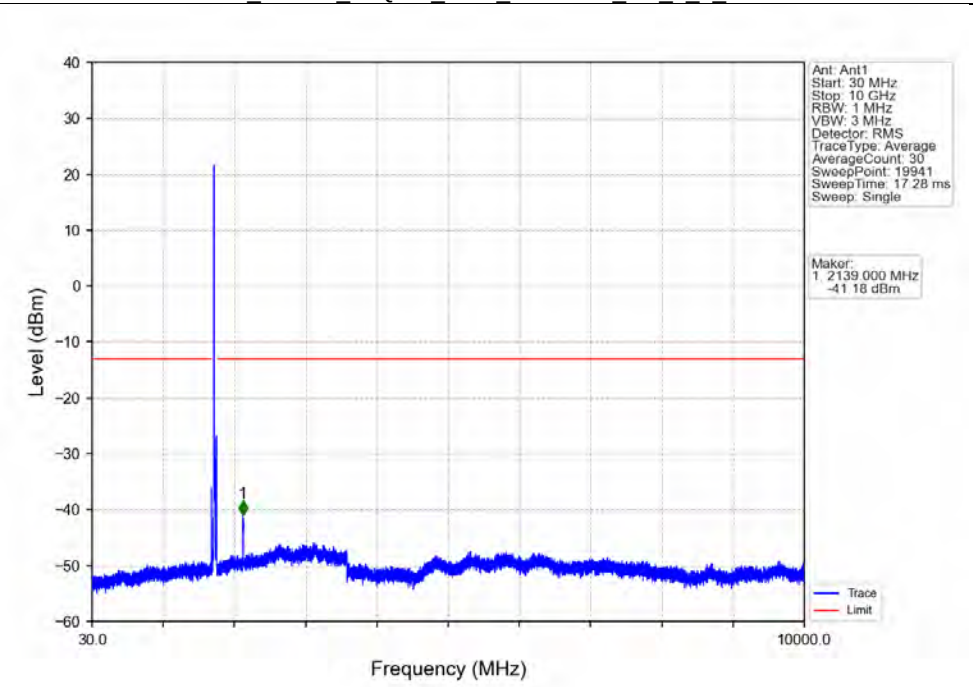
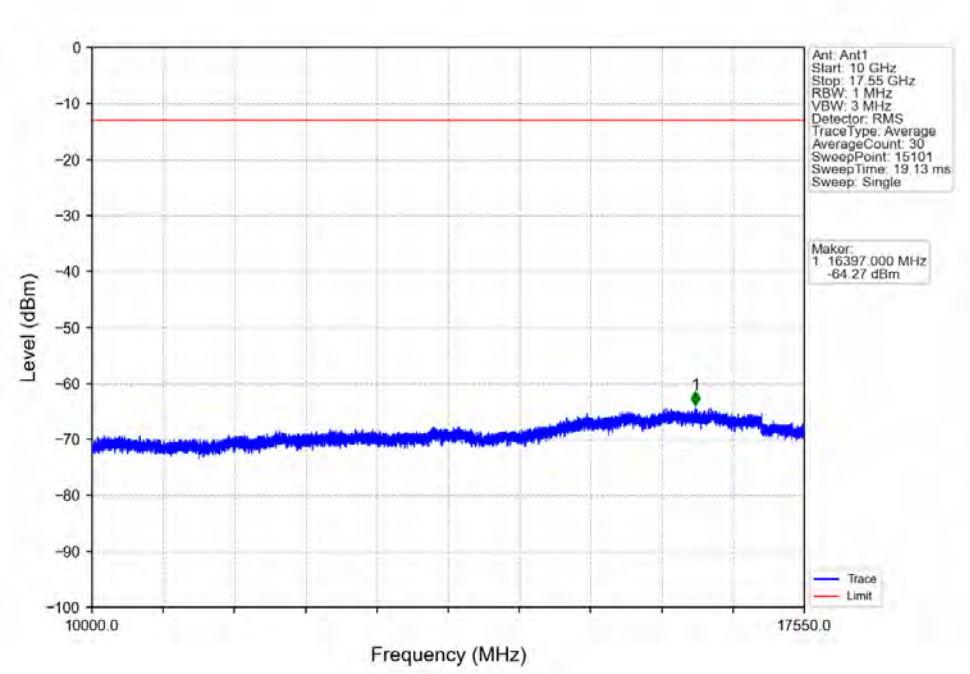
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	6.99	1	1708.360	-21.44	-13	Pass
1709	1710	0.2	0	2	1710.000	-27.36	-13	Pass
1710	1730	0.2	0	/	/	/	/	/

Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

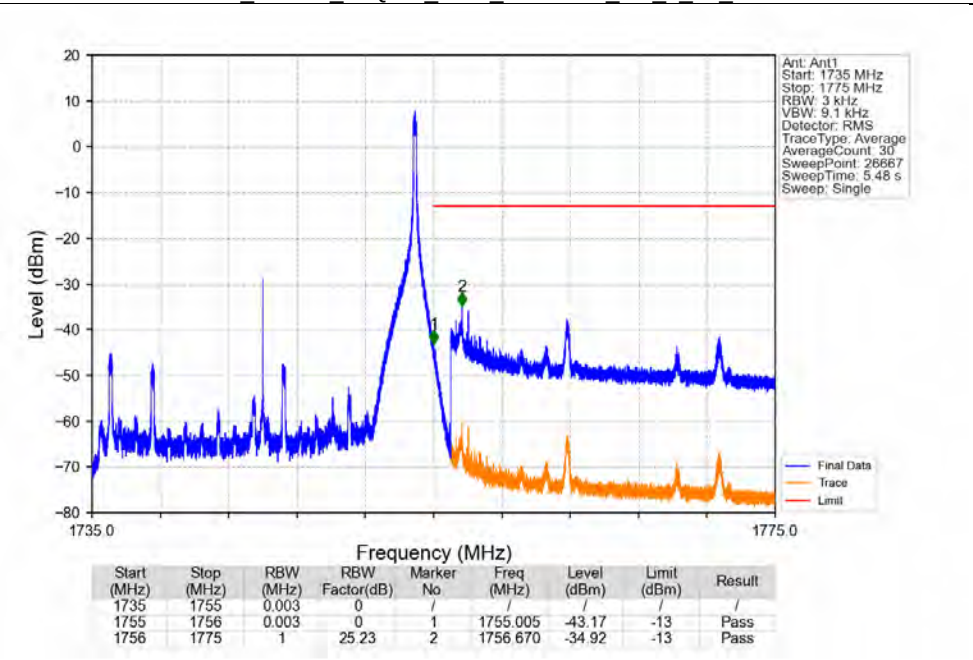


Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



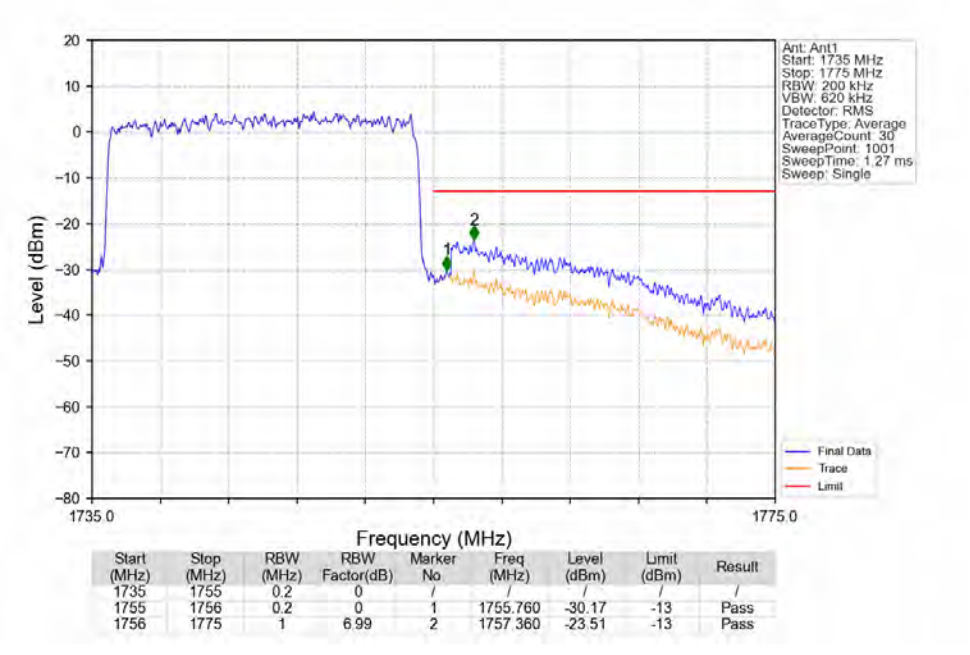
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV

Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV


Band4_20MHz_16QAM_HCH_1745MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	0	/	/	/	/	/
1755	1756	0.003	0	1	1755.005	-43.17	-13	Pass
1756	1775	1	25.23	2	1756.670	-34.92	-13	Pass

Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.2	0	/	/	/	/	/
1755	1756	0.2	0	1	1755.760	-30.17	-13	Pass
1756	1775	1	6.99	2	1757.360	-23.51	-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	0.2328	0.0069	ppm	1M12G7D	24E	23.67
4	1.4	1710.7	1754.3	0.1919	0.0082	ppm	1M12W7D	24E	22.83
4	3	1711.5	1753.5	0.2128	0.0072	ppm	2M74G7D	24E	23.28
4	3	1711.5	1753.5	0.1803	0.0057	ppm	2M74W7D	24E	22.56
4	5	1712.5	1752.5	0.2218	0.0045	ppm	4M55G7D	24E	23.46
4	5	1712.5	1752.5	0.1837	0.0042	ppm	4M56W7D	24E	22.64
4	10	1715	1750	0.2168	0.0032	ppm	9M07G7D	24E	23.36
4	10	1715	1750	0.1854	0.0032	ppm	9M06W7D	24E	22.68
4	15	1717.5	1747.5	0.2128	0.0026	ppm	13M6G7D	24E	23.28
4	15	1717.5	1747.5	0.1858	0.0027	ppm	13M6W7D	24E	22.69
4	20	1720	1745	0.2143	0.0022	ppm	18M2G7D	24E	23.31
4	20	1720	1745	0.1977	0.0023	ppm	18M1W7D	24E	22.96

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	0.2600	0.0069	ppm	1M12G7D	24E	24.15
4	1.4	1710.7	1754.3	0.2143	0.0082	ppm	1M12W7D	24E	23.31
4	3	1711.5	1753.5	0.2377	0.0072	ppm	2M74G7D	24E	23.76
4	3	1711.5	1753.5	0.2014	0.0057	ppm	2M74W7D	24E	23.04
4	5	1712.5	1752.5	0.2477	0.0045	ppm	4M55G7D	24E	23.94
4	5	1712.5	1752.5	0.2051	0.0042	ppm	4M56W7D	24E	23.12
4	10	1715	1750	0.2421	0.0032	ppm	9M07G7D	24E	23.84
4	10	1715	1750	0.2070	0.0032	ppm	9M06W7D	24E	23.16
4	15	1717.5	1747.5	0.2377	0.0026	ppm	13M6G7D	24E	23.76
4	15	1717.5	1747.5	0.2075	0.0027	ppm	13M6W7D	24E	23.17
4	20	1720	1745	0.2393	0.0022	ppm	18M2G7D	24E	23.79
4	20	1720	1745	0.2208	0.0023	ppm	18M1W7D	24E	23.44