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	19.42	-0.42	19.00	<=30	Pass
			2	19.50	-0.42	19.08	<=30	Pass
			5	19.37	-0.42	18.95	<=30	Pass
		3	0	19.46	-0.42	19.04	<=30	Pass
			2	19.51	-0.42	19.09	<=30	Pass
			3	19.52	-0.42	19.10	<=30	Pass
		6	0	18.49	-0.42	18.07	<=30	Pass
	1732.5	1	0	19.82	-0.42	19.40	<=30	Pass
			2	19.93	-0.42	19.51	<=30	Pass
			5	19.83	-0.42	19.41	<=30	Pass
		3	0	19.95	-0.42	19.53	<=30	Pass
			2	19.96	-0.42	19.54	<=30	Pass
			3	19.94	-0.42	19.52	<=30	Pass
		6	0	18.90	-0.42	18.48	<=30	Pass
	1754.3	1	0	20.54	-0.42	20.12	<=30	Pass
			2	20.66	-0.42	20.24	<=30	Pass
			5	20.58	-0.42	20.16	<=30	Pass
		3	0	20.52	-0.42	20.10	<=30	Pass
			2	20.59	-0.42	20.17	<=30	Pass
			3	20.56	-0.42	20.14	<=30	Pass
		6	0	19.58	-0.42	19.16	<=30	Pass
16QAM	1710.7	1	0	18.33	-0.42	17.91	<=30	Pass
			2	18.20	-0.42	17.78	<=30	Pass
			5	18.07	-0.42	17.65	<=30	Pass
		3	0	17.96	-0.42	17.54	<=30	Pass
			2	17.99	-0.42	17.57	<=30	Pass
			3	17.95	-0.42	17.53	<=30	Pass
		6	0	17.00	-0.42	16.58	<=30	Pass
	1732.5	1	0	18.83	-0.42	18.41	<=30	Pass
			2	18.91	-0.42	18.49	<=30	Pass
			5	18.80	-0.42	18.38	<=30	Pass
		3	0	19.11	-0.42	18.69	<=30	Pass
			2	19.15	-0.42	18.73	<=30	Pass
			3	19.14	-0.42	18.72	<=30	Pass
		6	0	17.95	-0.42	17.53	<=30	Pass
	1754.3	1	0	19.42	-0.42	19.00	<=30	Pass
			2	19.56	-0.42	19.14	<=30	Pass
			5	19.47	-0.42	19.05	<=30	Pass
		3	0	19.56	-0.42	19.14	<=30	Pass
			2	19.58	-0.42	19.16	<=30	Pass
			3	19.59	-0.42	19.17	<=30	Pass
		6	0	18.53	-0.42	18.11	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	19.04	-0.42	18.62	<=30	Pass
			7	19.13	-0.42	18.71	<=30	Pass
			14	18.99	-0.42	18.57	<=30	Pass
		8	0	17.95	-0.42	17.53	<=30	Pass
			4	17.99	-0.42	17.57	<=30	Pass
			7	17.96	-0.42	17.54	<=30	Pass
		15	0	17.92	-0.42	17.50	<=30	Pass
	1732.5	1	0	19.87	-0.42	19.45	<=30	Pass
			7	20.07	-0.42	19.65	<=30	Pass
			14	19.91	-0.42	19.49	<=30	Pass
		8	0	18.88	-0.42	18.46	<=30	Pass
			4	18.97	-0.42	18.55	<=30	Pass
			7	18.91	-0.42	18.49	<=30	Pass
		15	0	18.91	-0.42	18.49	<=30	Pass
	1753.5	1	0	20.49	-0.42	20.07	<=30	Pass
			7	20.69	-0.42	20.27	<=30	Pass
			14	20.58	-0.42	20.16	<=30	Pass
		8	0	19.50	-0.42	19.08	<=30	Pass
			4	19.57	-0.42	19.15	<=30	Pass
			7	19.55	-0.42	19.13	<=30	Pass
		15	0	19.50	-0.42	19.08	<=30	Pass
16QAM	1711.5	1	0	17.98	-0.42	17.56	<=30	Pass
			7	18.11	-0.42	17.69	<=30	Pass
			14	17.95	-0.42	17.53	<=30	Pass
		8	0	17.04	-0.42	16.62	<=30	Pass
			4	17.09	-0.42	16.67	<=30	Pass
			7	17.06	-0.42	16.64	<=30	Pass
		15	0	17.03	-0.42	16.61	<=30	Pass
	1732.5	1	0	19.07	-0.42	18.65	<=30	Pass
			7	19.20	-0.42	18.78	<=30	Pass
			14	19.07	-0.42	18.65	<=30	Pass
		8	0	17.90	-0.42	17.48	<=30	Pass
			4	17.98	-0.42	17.56	<=30	Pass
			7	17.93	-0.42	17.51	<=30	Pass
		15	0	17.94	-0.42	17.52	<=30	Pass
	1753.5	1	0	19.85	-0.42	19.43	<=30	Pass
			7	20.08	-0.42	19.66	<=30	Pass
			14	19.95	-0.42	19.53	<=30	Pass
		8	0	18.65	-0.42	18.23	<=30	Pass
			4	18.71	-0.42	18.29	<=30	Pass
			7	18.71	-0.42	18.29	<=30	Pass
		15	0	18.58	-0.42	18.16	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	18.92	-0.42	18.50	<=30	Pass
			13	19.01	-0.42	18.59	<=30	Pass
			24	18.96	-0.42	18.54	<=30	Pass
		12	0	17.92	-0.42	17.50	<=30	Pass
			6	17.99	-0.42	17.57	<=30	Pass
			13	17.94	-0.42	17.52	<=30	Pass
		25	0	17.97	-0.42	17.55	<=30	Pass
	1732.5	1	0	19.74	-0.42	19.32	<=30	Pass
			13	19.98	-0.42	19.56	<=30	Pass
			24	19.91	-0.42	19.49	<=30	Pass
		12	0	18.84	-0.42	18.42	<=30	Pass
			6	18.95	-0.42	18.53	<=30	Pass
			13	18.98	-0.42	18.56	<=30	Pass
		25	0	18.92	-0.42	18.50	<=30	Pass
	1752.5	1	0	20.36	-0.42	19.94	<=30	Pass
			13	20.56	-0.42	20.14	<=30	Pass
			24	20.54	-0.42	20.12	<=30	Pass
		12	0	19.40	-0.42	18.98	<=30	Pass
			6	19.53	-0.42	19.11	<=30	Pass
			13	19.52	-0.42	19.10	<=30	Pass
		25	0	19.51	-0.42	19.09	<=30	Pass
16QAM	1712.5	1	0	17.99	-0.42	17.57	<=30	Pass
			13	18.11	-0.42	17.69	<=30	Pass
			24	18.02	-0.42	17.60	<=30	Pass
		12	0	16.95	-0.42	16.53	<=30	Pass
			6	17.06	-0.42	16.64	<=30	Pass
			13	17.05	-0.42	16.63	<=30	Pass
		25	0	17.05	-0.42	16.63	<=30	Pass
	1732.5	1	0	18.97	-0.42	18.55	<=30	Pass
			13	19.23	-0.42	18.81	<=30	Pass
			24	19.16	-0.42	18.74	<=30	Pass
		12	0	17.97	-0.42	17.55	<=30	Pass
			6	18.03	-0.42	17.61	<=30	Pass
			13	18.07	-0.42	17.65	<=30	Pass
		25	0	17.92	-0.42	17.50	<=30	Pass
	1752.5	1	0	19.17	-0.42	18.75	<=30	Pass
			13	19.39	-0.42	18.97	<=30	Pass
			24	19.33	-0.42	18.91	<=30	Pass
		12	0	18.47	-0.42	18.05	<=30	Pass
			6	18.59	-0.42	18.17	<=30	Pass
			13	18.54	-0.42	18.12	<=30	Pass
		25	0	18.55	-0.42	18.13	<=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	19.05	-0.42	18.63	<=30	Pass
			25	19.26	-0.42	18.84	<=30	Pass

			49	19.33	-0.42	18.91	<=30	Pass
		25	0	18.11	-0.42	17.69	<=30	Pass
			13	18.12	-0.42	17.70	<=30	Pass
			25	18.27	-0.42	17.85	<=30	Pass
		50	0	18.20	-0.42	17.78	<=30	Pass
	1732.5	1	0	19.81	-0.42	19.39	<=30	Pass
			25	20.19	-0.42	19.77	<=30	Pass
			49	20.13	-0.42	19.71	<=30	Pass
		25	0	18.97	-0.42	18.55	<=30	Pass
			13	19.02	-0.42	18.60	<=30	Pass
			25	19.14	-0.42	18.72	<=30	Pass
		50	0	19.04	-0.42	18.62	<=30	Pass
	1750	1	0	20.29	-0.42	19.87	<=30	Pass
			25	20.63	-0.42	20.21	<=30	Pass
			49	20.65	-0.42	20.23	<=30	Pass
		25	0	19.37	-0.42	18.95	<=30	Pass
			13	19.50	-0.42	19.08	<=30	Pass
			25	19.49	-0.42	19.07	<=30	Pass
		50	0	19.45	-0.42	19.03	<=30	Pass
16QAM	1715	1	0	18.04	-0.42	17.62	<=30	Pass
			25	18.28	-0.42	17.86	<=30	Pass
			49	18.32	-0.42	17.90	<=30	Pass
		25	0	17.19	-0.42	16.77	<=30	Pass
			13	17.25	-0.42	16.83	<=30	Pass
			25	17.42	-0.42	17.00	<=30	Pass
		50	0	17.28	-0.42	16.86	<=30	Pass
	1732.5	1	0	18.95	-0.42	18.53	<=30	Pass
			25	19.34	-0.42	18.92	<=30	Pass
			49	19.27	-0.42	18.85	<=30	Pass
		25	0	18.05	-0.42	17.63	<=30	Pass
			13	18.12	-0.42	17.70	<=30	Pass
			25	18.22	-0.42	17.80	<=30	Pass
		50	0	18.07	-0.42	17.65	<=30	Pass
	1750	1	0	19.73	-0.42	19.31	<=30	Pass
			25	20.02	-0.42	19.60	<=30	Pass
			49	20.04	-0.42	19.62	<=30	Pass
		25	0	18.42	-0.42	18.00	<=30	Pass
			13	18.52	-0.42	18.10	<=30	Pass
			25	18.58	-0.42	18.16	<=30	Pass
		50	0	18.49	-0.42	18.07	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	19.00	-0.42	18.58	<=30	Pass
			38	19.24	-0.42	18.82	<=30	Pass
			74	19.49	-0.42	19.07	<=30	Pass
		36	0	18.11	-0.42	17.69	<=30	Pass
			18	18.25	-0.42	17.83	<=30	Pass
			39	18.49	-0.42	18.07	<=30	Pass

		75	0	18.34	-0.42	17.92	<=30	Pass
	1732.5	1	0	19.63	-0.42	19.21	<=30	Pass
			38	20.03	-0.42	19.61	<=30	Pass
			74	20.07	-0.42	19.65	<=30	Pass
		36	0	18.88	-0.42	18.46	<=30	Pass
			18	19.03	-0.42	18.61	<=30	Pass
			39	19.22	-0.42	18.80	<=30	Pass
		75	0	19.05	-0.42	18.63	<=30	Pass
	1747.5	1	0	20.15	-0.42	19.73	<=30	Pass
			38	20.45	-0.42	20.03	<=30	Pass
			74	20.58	-0.42	20.16	<=30	Pass
		36	0	19.38	-0.42	18.96	<=30	Pass
			18	19.51	-0.42	19.09	<=30	Pass
			39	19.58	-0.42	19.16	<=30	Pass
		75	0	19.52	-0.42	19.10	<=30	Pass
16QAM	1717.5	1	0	18.33	-0.42	17.91	<=30	Pass
			38	18.65	-0.42	18.23	<=30	Pass
			74	18.89	-0.42	18.47	<=30	Pass
		36	0	17.17	-0.42	16.75	<=30	Pass
			18	17.29	-0.42	16.87	<=30	Pass
			39	17.56	-0.42	17.14	<=30	Pass
		75	0	17.32	-0.42	16.90	<=30	Pass
	1732.5	1	0	18.77	-0.42	18.35	<=30	Pass
			38	19.21	-0.42	18.79	<=30	Pass
			74	19.21	-0.42	18.79	<=30	Pass
		36	0	17.93	-0.42	17.51	<=30	Pass
			18	18.05	-0.42	17.63	<=30	Pass
			39	18.23	-0.42	17.81	<=30	Pass
		75	0	18.09	-0.42	17.67	<=30	Pass
	1747.5	1	0	19.62	-0.42	19.20	<=30	Pass
			38	19.85	-0.42	19.43	<=30	Pass
			74	19.98	-0.42	19.56	<=30	Pass
		36	0	18.39	-0.42	17.97	<=30	Pass
			18	18.53	-0.42	18.11	<=30	Pass
			39	18.59	-0.42	18.17	<=30	Pass
		75	0	18.50	-0.42	18.08	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	18.81	-0.42	18.39	<=30	Pass
			50	19.48	-0.42	19.06	<=30	Pass
			99	19.61	-0.42	19.19	<=30	Pass
		50	0	18.17	-0.42	17.75	<=30	Pass
			25	18.43	-0.42	18.01	<=30	Pass
			50	18.70	-0.42	18.28	<=30	Pass
		100	0	18.49	-0.42	18.07	<=30	Pass
	1732.5	1	0	19.39	-0.42	18.97	<=30	Pass
			50	20.18	-0.42	19.76	<=30	Pass
			99	20.08	-0.42	19.66	<=30	Pass

		50	0	18.82	-0.42	18.40	<=30	Pass
			25	19.02	-0.42	18.60	<=30	Pass
			50	19.18	-0.42	18.76	<=30	Pass
		100	0	19.08	-0.42	18.66	<=30	Pass
	1745	1	0	19.87	-0.42	19.45	<=30	Pass
			50	20.52	-0.42	20.10	<=30	Pass
			99	20.44	-0.42	20.02	<=30	Pass
		50	0	19.21	-0.42	18.79	<=30	Pass
			25	19.34	-0.42	18.92	<=30	Pass
			50	19.43	-0.42	19.01	<=30	Pass
		100	0	19.31	-0.42	18.89	<=30	Pass
16QAM	1720	1	0	18.32	-0.42	17.90	<=30	Pass
			50	19.03	-0.42	18.61	<=30	Pass
			99	19.14	-0.42	18.72	<=30	Pass
		50	0	17.19	-0.42	16.77	<=30	Pass
			25	17.46	-0.42	17.04	<=30	Pass
			50	17.71	-0.42	17.29	<=30	Pass
		100	0	17.50	-0.42	17.08	<=30	Pass
	1732.5	1	0	18.55	-0.42	18.13	<=30	Pass
			50	19.39	-0.42	18.97	<=30	Pass
			99	19.17	-0.42	18.75	<=30	Pass
		50	0	17.86	-0.42	17.44	<=30	Pass
			25	18.06	-0.42	17.64	<=30	Pass
			50	18.24	-0.42	17.82	<=30	Pass
		100	0	18.10	-0.42	17.68	<=30	Pass
	1745	1	0	19.13	-0.42	18.71	<=30	Pass
			50	19.65	-0.42	19.23	<=30	Pass
			99	19.59	-0.42	19.17	<=30	Pass
		50	0	18.27	-0.42	17.85	<=30	Pass
			25	18.36	-0.42	17.94	<=30	Pass
			50	18.42	-0.42	18.00	<=30	Pass
		100	0	18.35	-0.42	17.93	<=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	-5.722	-0.0033	-2.5 to 2.5	Pass
					3.85	-5.279	-0.0031	-2.5 to 2.5	Pass
					4.43	1.302	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-5.722	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-5.450	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-4.034	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-5.808	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-7.982	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass

	1732.5	6	0	20	3.27	-2.861	-0.0017	-2.5 to 2.5	Pass
					3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
					4.43	0.601	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-5.722	-0.0033	-2.5 to 2.5	Pass
				0	3.85	4.535	0.0026	-2.5 to 2.5	Pass
				10	3.85	4.034	0.0023	-2.5 to 2.5	Pass
				30	3.85	-9.642	-0.0056	-2.5 to 2.5	Pass
				40	3.85	3.505	0.0020	-2.5 to 2.5	Pass
				50	3.85	-9.499	-0.0055	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-8.326	-0.0047	-2.5 to 2.5	Pass
					3.85	-4.749	-0.0027	-2.5 to 2.5	Pass
					4.43	-7.710	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-6.981	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-8.826	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-3.662	-0.0021	-2.5 to 2.5	Pass
				0	3.85	1.545	0.0009	-2.5 to 2.5	Pass
				10	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-5.836	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-5.536	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-7.997	-0.0046	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-4.835	-0.0028	-2.5 to 2.5	Pass
					3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
					4.43	-4.406	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-6.666	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-8.941	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-5.651	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-6.022	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-2.289	-0.0013	-2.5 to 2.5	Pass
					3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
					4.43	2.246	0.0013	-2.5 to 2.5	Pass
				-30	3.85	-5.121	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	2.546	0.0015	-2.5 to 2.5	Pass
				-10	3.85	1.302	0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-7.195	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-3.104	-0.0018	-2.5 to 2.5	Pass
					3.85	-7.710	-0.0044	-2.5 to 2.5	Pass
					4.43	-6.838	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-9.599	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-5.465	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
				30	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				40	3.85	1.645	0.0009	-2.5 to 2.5	Pass
				50	3.85	-7.110	-0.0041	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-8.211	-0.0048	-2.5 to 2.5	Pass
					3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
					4.43	1.645	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-7.553	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-6.895	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				0	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				10	3.85	-4.892	-0.0029	-2.5 to 2.5	Pass
				30	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				40	3.85	-4.606	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-7.238	-0.0042	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-7.067	-0.0041	-2.5 to 2.5	Pass
					3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
					4.43	-5.379	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-3.419	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	0.687	0.0004	-2.5 to 2.5	Pass
				0	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				10	3.85	-12.388	-0.0072	-2.5 to 2.5	Pass
				30	3.85	6.852	0.0040	-2.5 to 2.5	Pass
				40	3.85	2.732	0.0016	-2.5 to 2.5	Pass
				50	3.85	0.987	0.0006	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-5.336	-0.0030	-2.5 to 2.5	Pass
					3.85	-7.696	-0.0044	-2.5 to 2.5	Pass
					4.43	-3.819	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-10.729	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-7.424	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-8.168	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-2.317	-0.0013	-2.5 to 2.5	Pass
				10	3.85	3.719	0.0021	-2.5 to 2.5	Pass
				30	3.85	-12.918	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-5.980	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-10.328	-0.0059	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-3.405	-0.0020	-2.5 to 2.5	Pass
					3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
					4.43	-6.366	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-3.362	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				0	3.85	-4.749	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-4.921	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-3.905	-0.0023	-2.5 to 2.5	Pass
				40	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				50	3.85	-8.097	-0.0047	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-8.254	-0.0048	-2.5 to 2.5	Pass
					3.85	-2.003	-0.0012	-2.5 to 2.5	Pass
					4.43	-5.078	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-12.660	-0.0073	-2.5 to 2.5	Pass
				-20	3.85	1.516	0.0009	-2.5 to 2.5	Pass

				-10	3.85	2.503	0.0014	-2.5 to 2.5	Pass
				0	3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-4.077	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-2.875	-0.0017	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-12.774	-0.0073	-2.5 to 2.5	Pass
					3.85	0.701	0.0004	-2.5 to 2.5	Pass
					4.43	-7.911	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-5.293	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-3.920	-0.0022	-2.5 to 2.5	Pass
				0	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				10	3.85	-4.721	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-7.024	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-6.037	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-3.819	-0.0022	-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	-2.089	-0.0012	-2.5 to 2.5	Pass
					3.85	-3.190	-0.0019	-2.5 to 2.5	Pass
					4.43	4.163	0.0024	-2.5 to 2.5	Pass
				-30	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				-20	3.85	3.533	0.0021	-2.5 to 2.5	Pass
				-10	3.85	10.214	0.0060	-2.5 to 2.5	Pass
				0	3.85	3.104	0.0018	-2.5 to 2.5	Pass
				10	3.85	-6.981	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-9.055	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-16.007	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-8.926	-0.0052	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-9.484	-0.0055	-2.5 to 2.5	Pass
					3.85	-3.090	-0.0018	-2.5 to 2.5	Pass
					4.43	-3.719	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-4.435	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-6.709	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-7.181	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-4.807	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
				50	3.85	14.105	0.0081	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-11.516	-0.0066	-2.5 to 2.5	Pass
					3.85	-9.155	-0.0052	-2.5 to 2.5	Pass
					4.43	-10.128	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-8.354	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				0	3.85	3.490	0.0020	-2.5 to 2.5	Pass
				10	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass

				30	3.85	-7.195	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-6.495	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-6.380	-0.0036	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-7.410	-0.0043	-2.5 to 2.5	Pass
					3.85	-9.785	-0.0057	-2.5 to 2.5	Pass
					4.43	-8.597	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-8.469	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-4.406	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-7.024	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-5.608	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-1.273	-0.0007	-2.5 to 2.5	Pass
					3.85	-7.138	-0.0041	-2.5 to 2.5	Pass
					4.43	-4.606	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-6.809	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-7.410	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-6.237	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-6.895	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-6.266	-0.0036	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-5.150	-0.0029	-2.5 to 2.5	Pass
					3.85	-8.297	-0.0047	-2.5 to 2.5	Pass
					4.43	-8.268	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-8.254	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-9.913	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-6.294	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-7.024	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-7.954	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-8.812	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-5.507	-0.0031	-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	-11.787	-0.0069	-2.5 to 2.5	Pass
					3.85	-6.208	-0.0036	-2.5 to 2.5	Pass
					4.43	-1.431	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-7.639	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-6.652	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-6.151	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-7.925	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-1.831	-0.0011	-2.5 to 2.5	Pass

	1732.5	50	0	20	3.27	-6.509	-0.0038	-2.5 to 2.5	Pass
					3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
					4.43	-2.904	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-4.463	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-5.851	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-7.210	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-5.951	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-7.138	-0.0041	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-4.520	-0.0026	-2.5 to 2.5	Pass
					3.85	-4.992	-0.0029	-2.5 to 2.5	Pass
					4.43	-2.203	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-5.250	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-2.532	-0.0014	-2.5 to 2.5	Pass
				10	3.85	2.403	0.0014	-2.5 to 2.5	Pass
				30	3.85	-4.406	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-6.595	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-3.977	-0.0023	-2.5 to 2.5	Pass
					3.85	-6.852	-0.0040	-2.5 to 2.5	Pass
					4.43	-4.706	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-5.651	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-17.982	-0.0105	-2.5 to 2.5	Pass
				-10	3.85	-8.097	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-7.753	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-7.739	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-10.557	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-1.974	-0.0012	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-5.507	-0.0032	-2.5 to 2.5	Pass
					3.85	-2.346	-0.0014	-2.5 to 2.5	Pass
					4.43	4.535	0.0026	-2.5 to 2.5	Pass
				-30	3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-7.353	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-5.279	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-10.271	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-7.439	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-7.796	-0.0045	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-3.805	-0.0022	-2.5 to 2.5	Pass
					3.85	-5.808	-0.0033	-2.5 to 2.5	Pass
					4.43	-5.035	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-6.595	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-4.478	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-4.592	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-6.723	-0.0038	-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	-7.095	-0.0041	-2.5 to 2.5	Pass
					3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
					4.43	-7.296	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-6.309	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-8.154	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-6.781	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-5.279	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-6.738	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-5.779	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-2.847	-0.0017	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-3.076	-0.0018	-2.5 to 2.5	Pass
					3.85	1.173	0.0007	-2.5 to 2.5	Pass
					4.43	-4.449	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-5.407	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-4.206	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-7.496	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-6.537	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-6.137	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-6.166	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-4.821	-0.0028	-2.5 to 2.5	Pass
					3.85	-4.778	-0.0027	-2.5 to 2.5	Pass
					4.43	-6.194	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-8.140	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-6.180	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-9.313	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-7.339	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-8.082	-0.0046	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-6.881	-0.0040	-2.5 to 2.5	Pass
					3.85	-6.037	-0.0035	-2.5 to 2.5	Pass
					4.43	-6.967	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-7.353	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-6.008	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-9.971	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-6.795	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-4.077	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-3.905	-0.0023	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-4.735	-0.0027	-2.5 to 2.5	Pass
					3.85	-4.063	-0.0023	-2.5 to 2.5	Pass
					4.43	-7.324	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	3.290	0.0019	-2.5 to 2.5	Pass

				-10	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				0	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-7.138	-0.0041	-2.5 to 2.5	Pass
				40	3.85	2.503	0.0014	-2.5 to 2.5	Pass
				50	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-8.097	-0.0046	-2.5 to 2.5	Pass
					3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
					4.43	-6.623	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-2.775	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-6.809	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-3.405	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-8.354	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-3.891	-0.0022	-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	-8.497	-0.0049	-2.5 to 2.5	Pass
					3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
					4.43	-6.380	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-8.883	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-10.386	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-6.795	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-8.740	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-7.167	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-9.899	-0.0057	-2.5 to 2.5	Pass
					3.85	-4.220	-0.0024	-2.5 to 2.5	Pass
					4.43	-4.964	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-4.349	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-6.881	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				30	3.85	2.017	0.0012	-2.5 to 2.5	Pass
				40	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-7.353	-0.0042	-2.5 to 2.5	Pass
					3.85	-6.709	-0.0038	-2.5 to 2.5	Pass
					4.43	-3.648	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-5.465	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-4.735	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-7.381	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-9.384	-0.0054	-2.5 to 2.5	Pass

				30	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-7.997	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-7.095	-0.0041	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-6.695	-0.0039	-2.5 to 2.5	Pass
					3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
					4.43	-6.223	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-6.080	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-7.024	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-7.925	-0.0046	-2.5 to 2.5	Pass
				10	3.85	10.514	0.0061	-2.5 to 2.5	Pass
				30	3.85	-3.719	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-10.300	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-3.204	-0.0019	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-6.337	-0.0037	-2.5 to 2.5	Pass
					3.85	-5.679	-0.0033	-2.5 to 2.5	Pass
					4.43	-5.422	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-6.766	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-7.038	-0.0040	-2.5 to 2.5	Pass
					3.85	-6.466	-0.0037	-2.5 to 2.5	Pass
					4.43	-8.497	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-4.621	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-3.176	-0.0018	-2.5 to 2.5	Pass

3. Modulation Characteristics

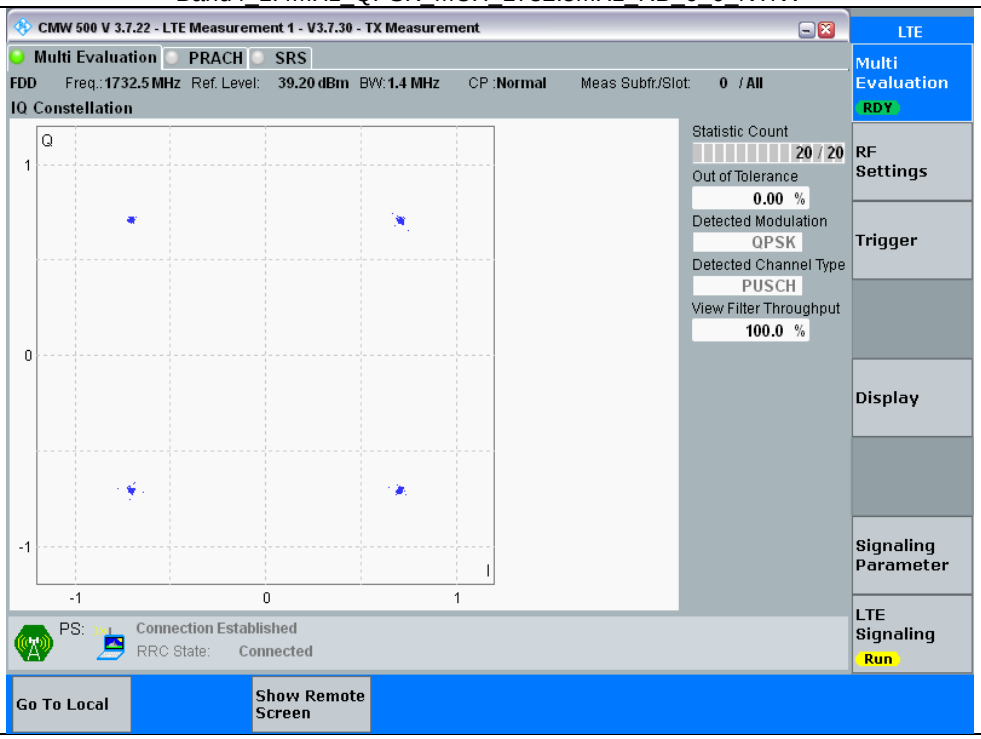
3.1 B4_1.4MHz

3.1.1 Test Result

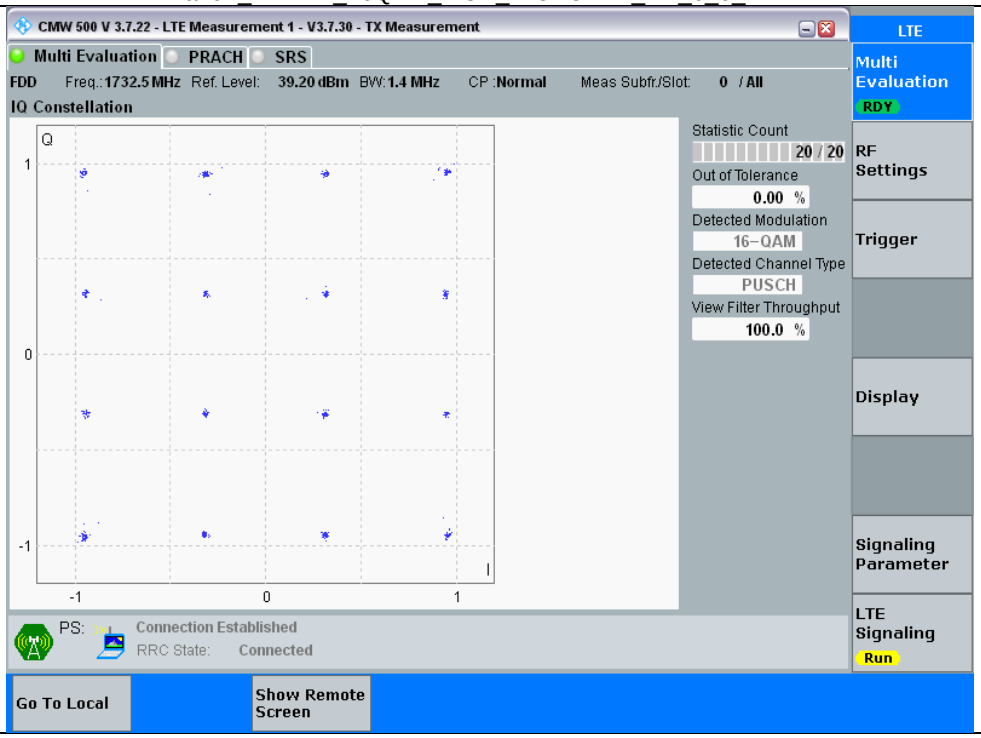
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



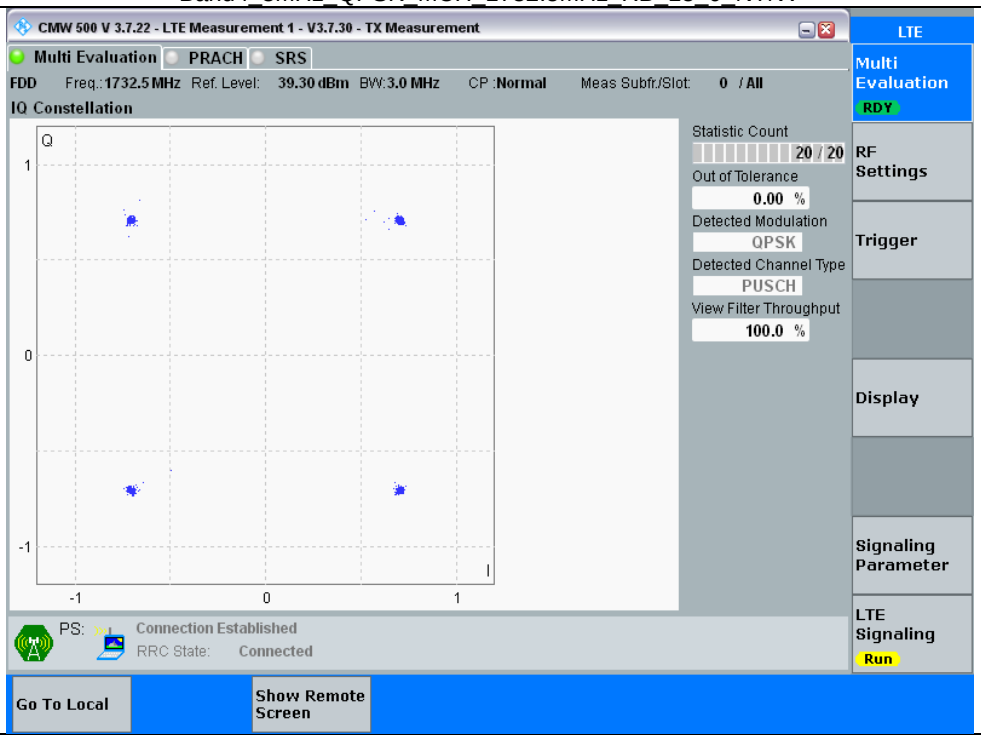
3.2 B4_3MHz

3.2.1 Test Result

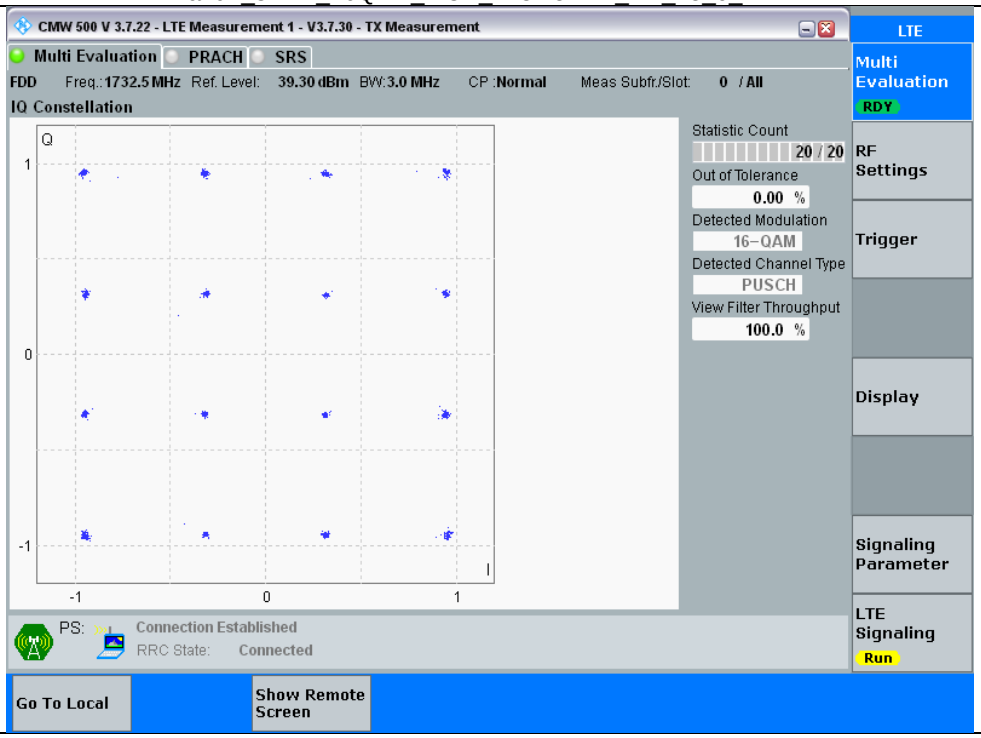
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



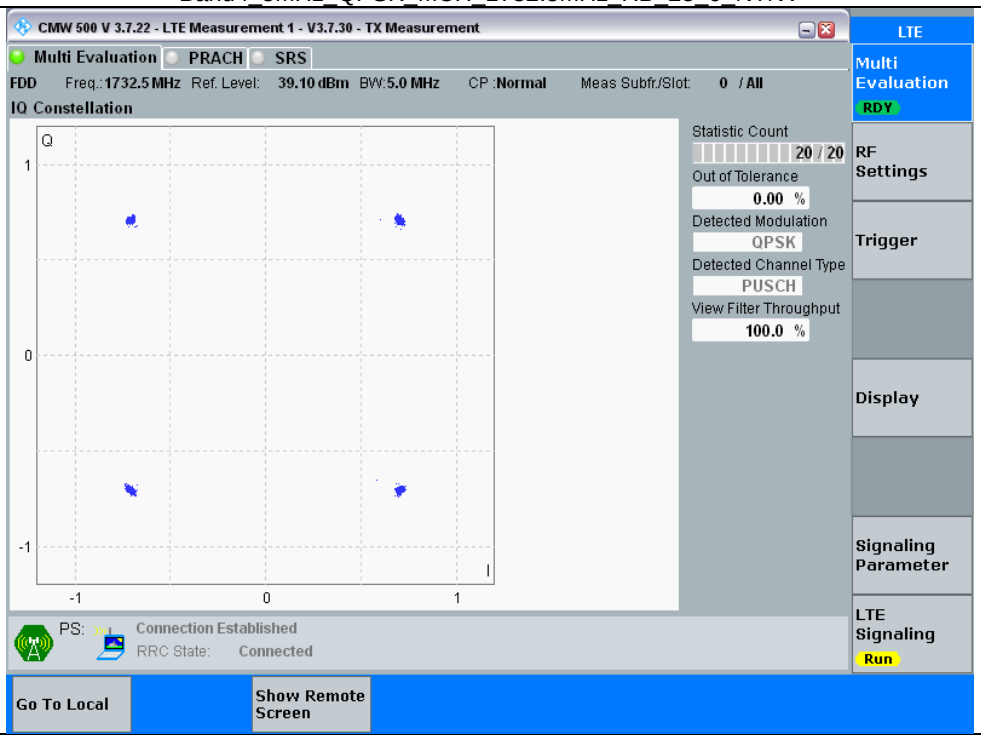
3.3 B4_5MHz

3.3.1 Test Result

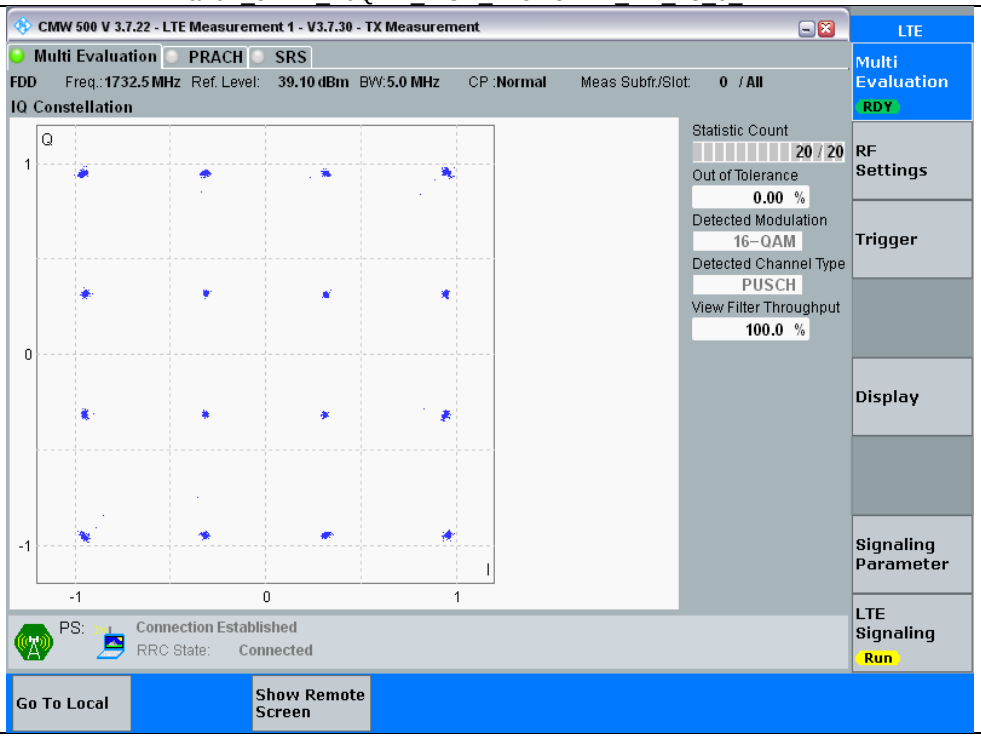
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



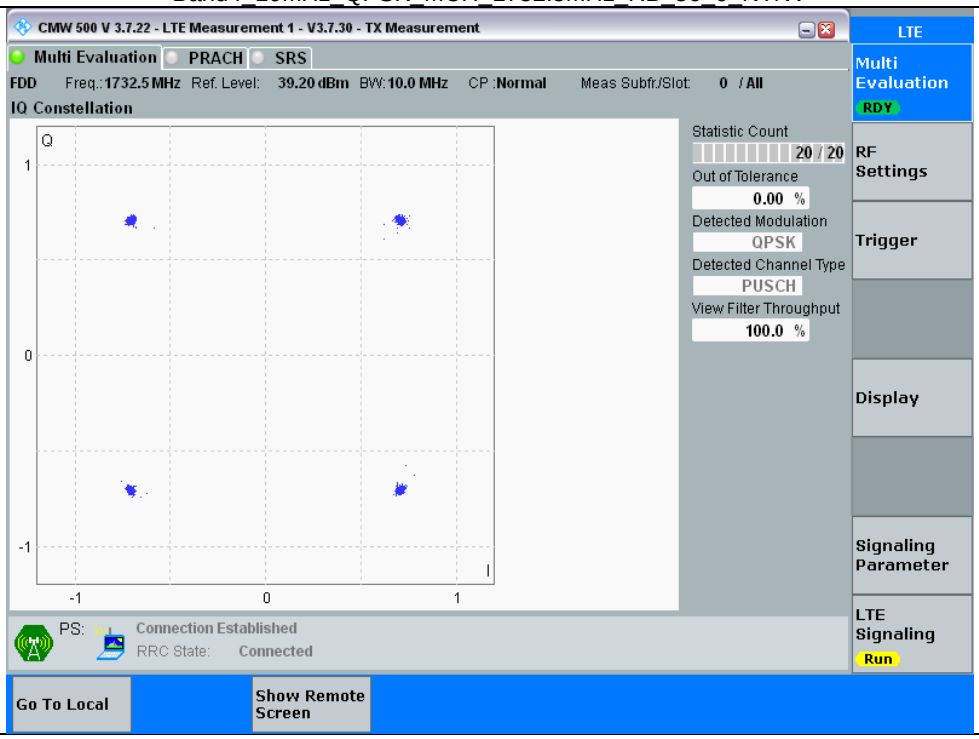
3.4 B4_10MHz

3.4.1 Test Result

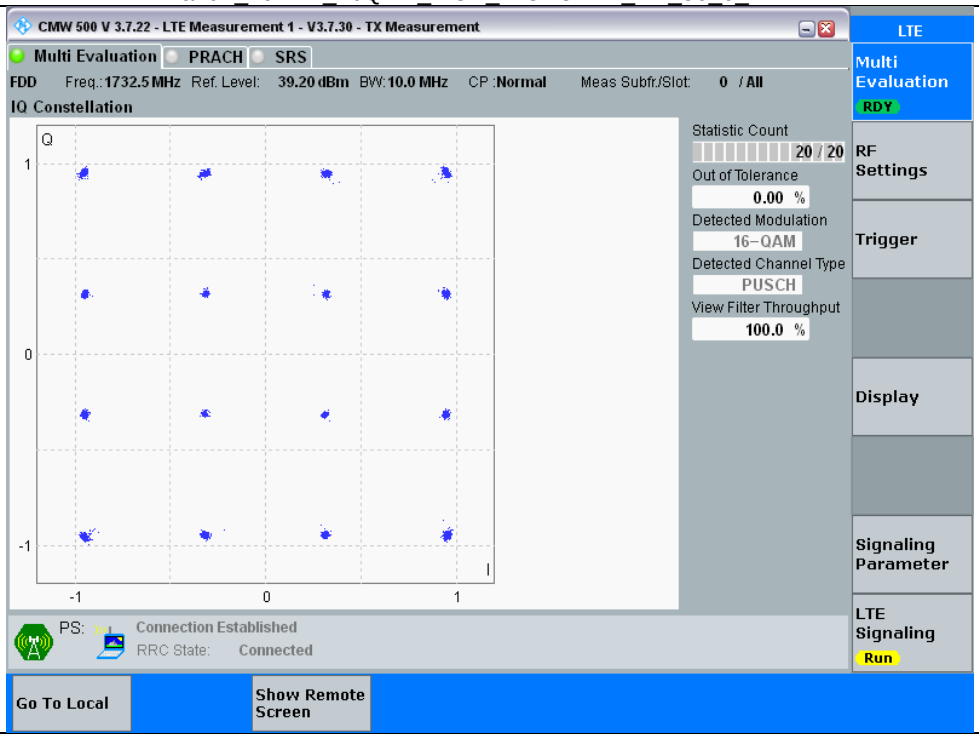
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



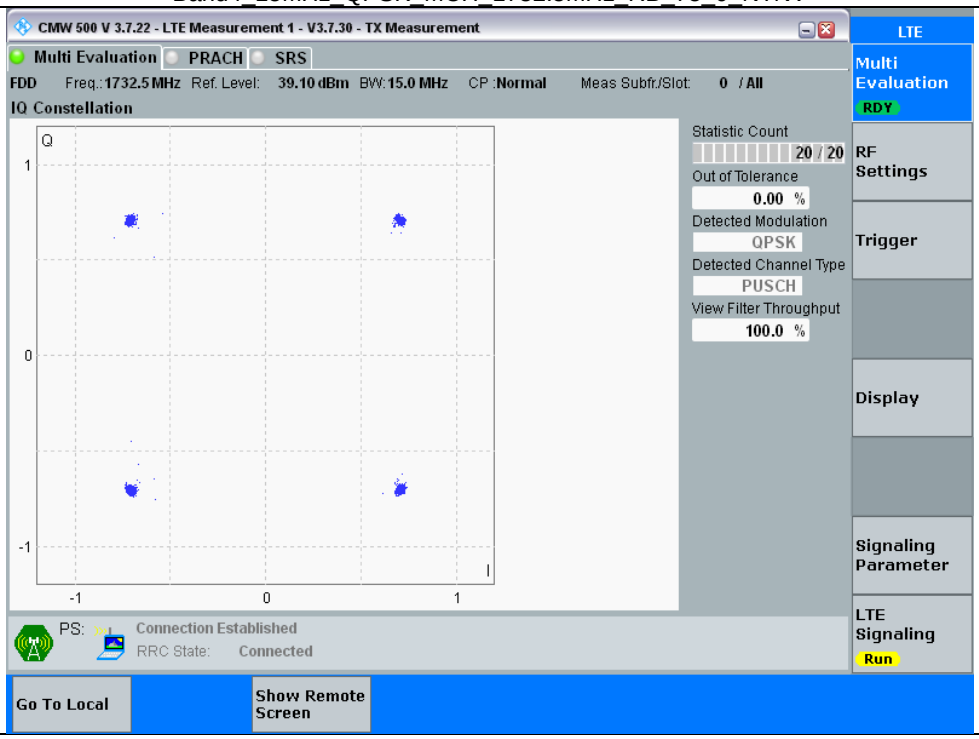
3.5 B4_15MHz

3.5.1 Test Result

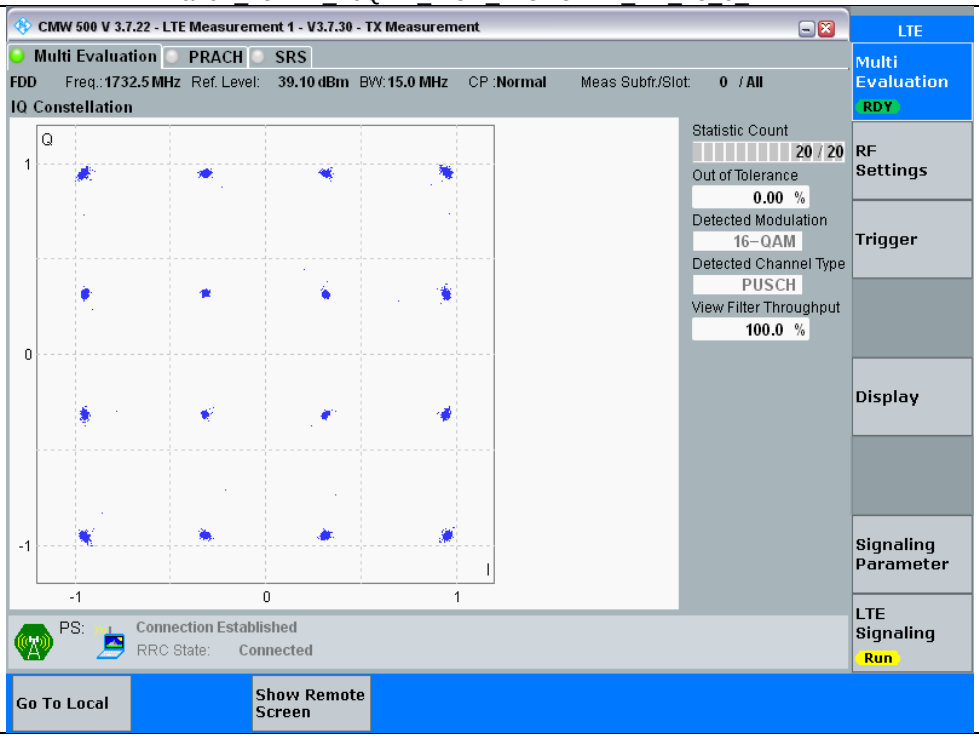
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.5.2 Test Graph

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



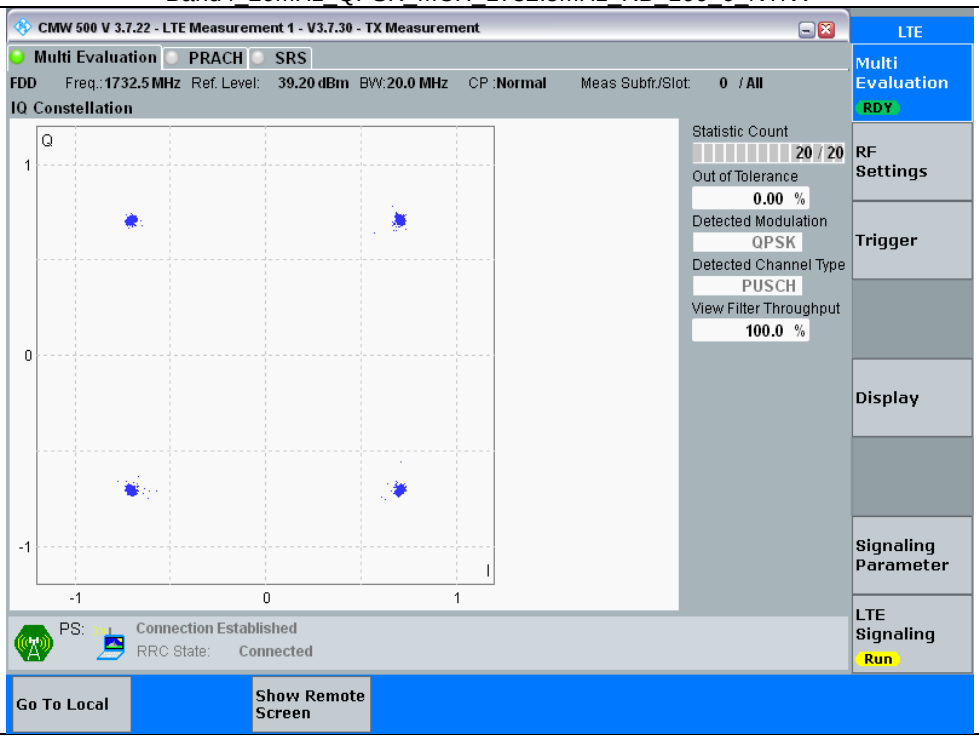
3.6 B4_20MHz

3.6.1 Test Result

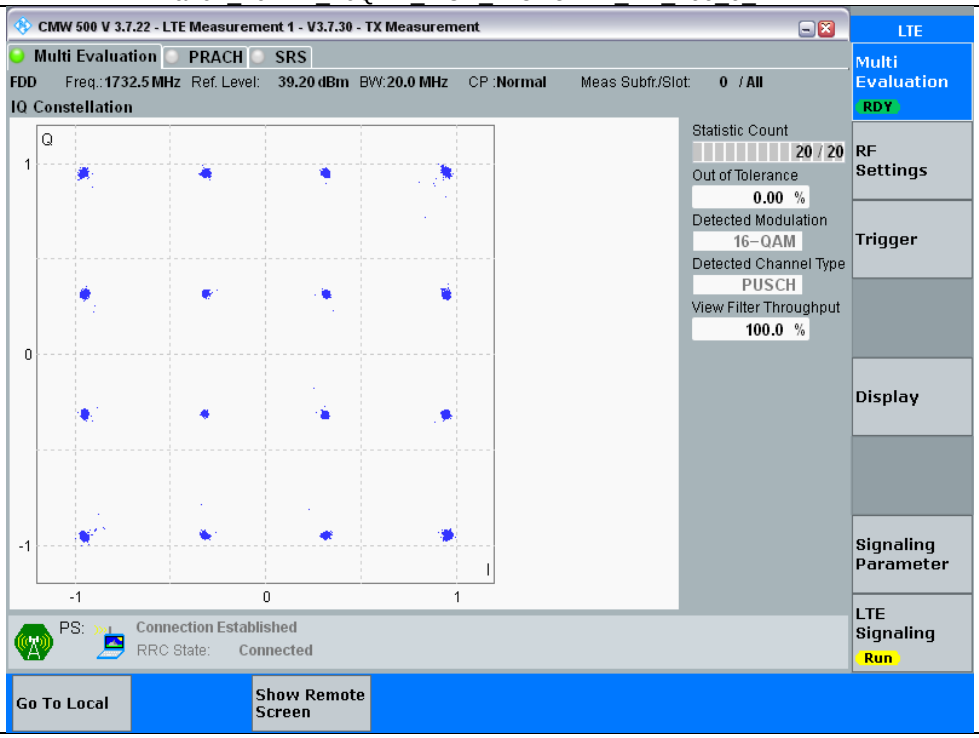
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.6.2 Test Graph

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



4. 99% & 26dB Bandwidth

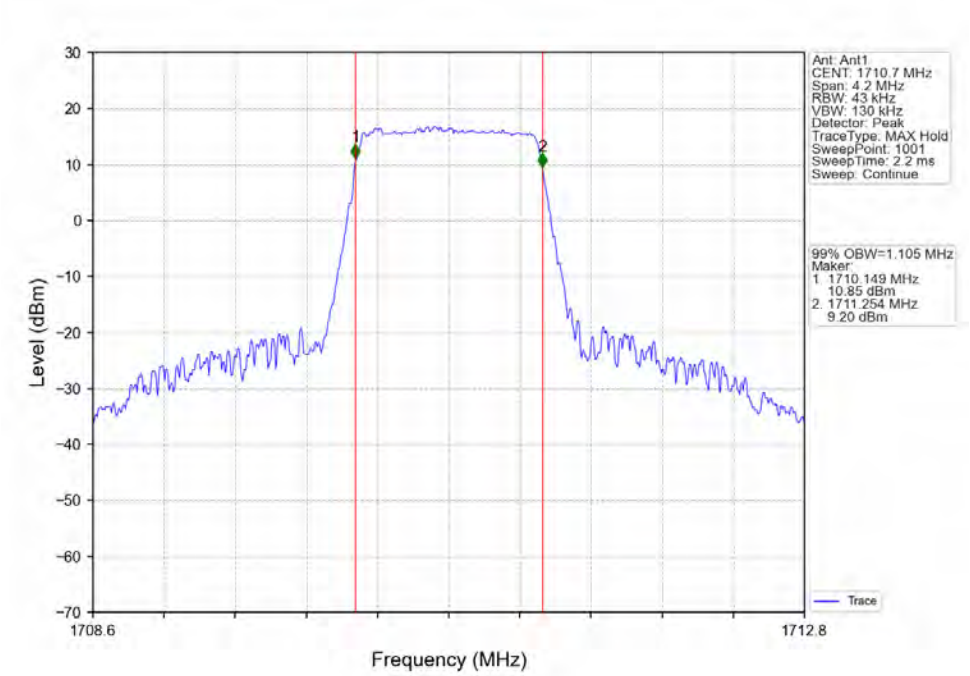
4.1 Band4_OBW

4.1.1 Test Result

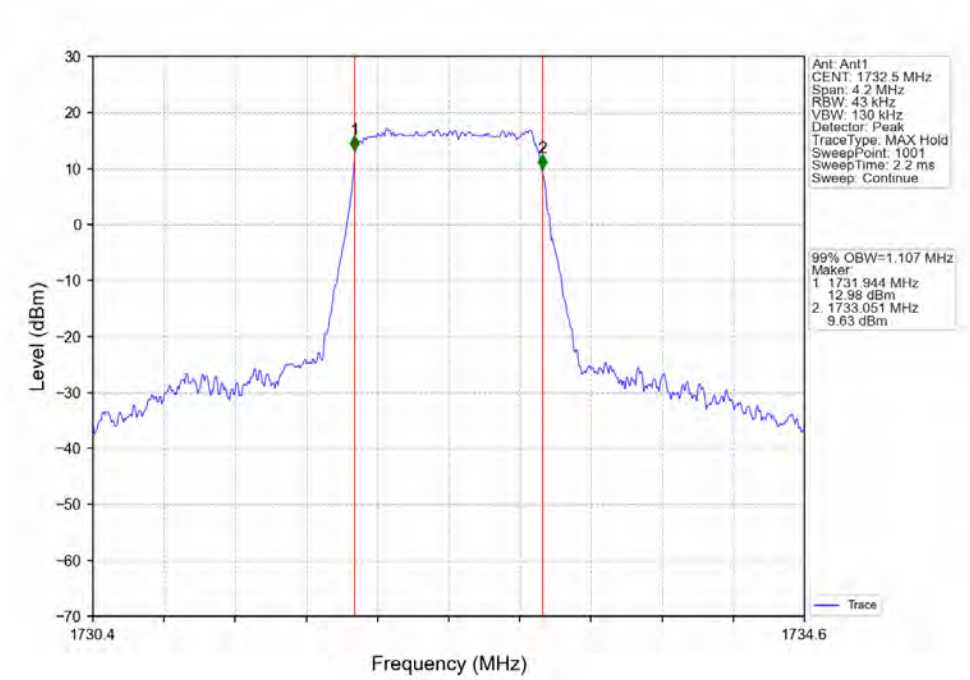
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.105	/	Pass
		1732.5	6	0	1.107	/	Pass
		1754.3	6	0	1.104	/	Pass
	16QAM	1710.7	6	0	1.113	/	Pass
		1732.5	6	0	1.106	/	Pass
		1754.3	6	0	1.099	/	Pass
3	QPSK	1711.5	15	0	2.734	/	Pass
		1732.5	15	0	2.722	/	Pass
		1753.5	15	0	2.728	/	Pass
	16QAM	1711.5	15	0	2.725	/	Pass
		1732.5	15	0	2.719	/	Pass
		1753.5	15	0	2.724	/	Pass
5	QPSK	1712.5	25	0	4.571	/	Pass
		1732.5	25	0	4.561	/	Pass
		1752.5	25	0	4.583	/	Pass
	16QAM	1712.5	25	0	4.573	/	Pass
		1732.5	25	0	4.559	/	Pass
		1752.5	25	0	4.572	/	Pass
10	QPSK	1715	50	0	9.093	/	Pass
		1732.5	50	0	9.047	/	Pass
		1750	50	0	9.074	/	Pass
	16QAM	1715	50	0	9.077	/	Pass
		1732.5	50	0	9.082	/	Pass
		1750	50	0	9.085	/	Pass
15	QPSK	1717.5	75	0	13.625	/	Pass
		1732.5	75	0	13.579	/	Pass
		1747.5	75	0	13.650	/	Pass
	16QAM	1717.5	75	0	13.618	/	Pass
		1732.5	75	0	13.632	/	Pass
		1747.5	75	0	13.623	/	Pass
20	QPSK	1720	100	0	18.208	/	Pass
		1732.5	100	0	18.194	/	Pass
		1745	100	0	18.160	/	Pass
	16QAM	1720	100	0	18.196	/	Pass
		1732.5	100	0	18.155	/	Pass
		1745	100	0	18.151	/	Pass

4.1.2 Test Graph

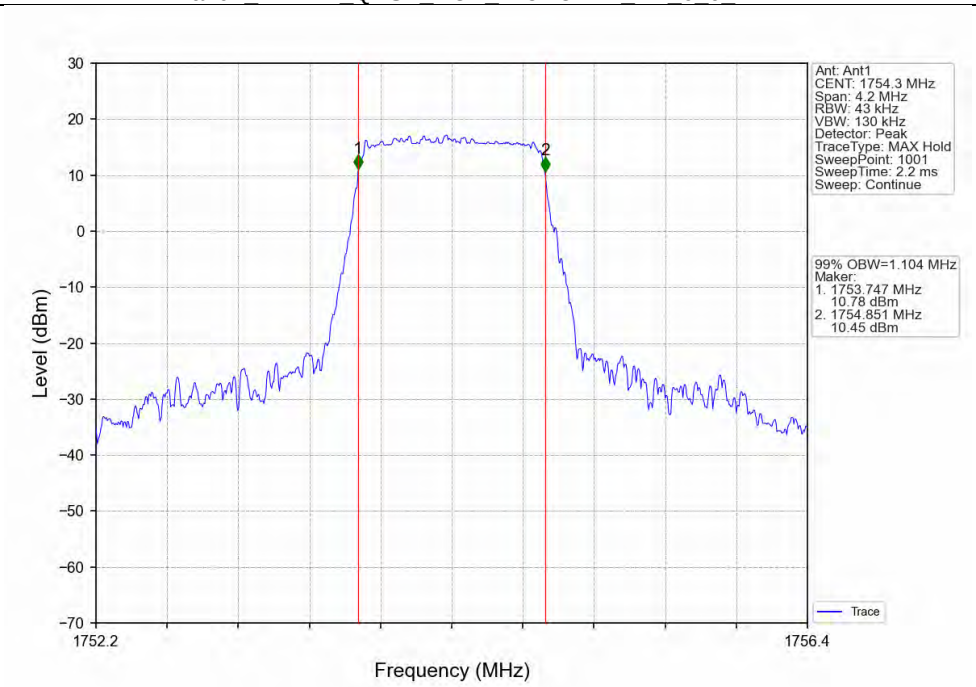
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



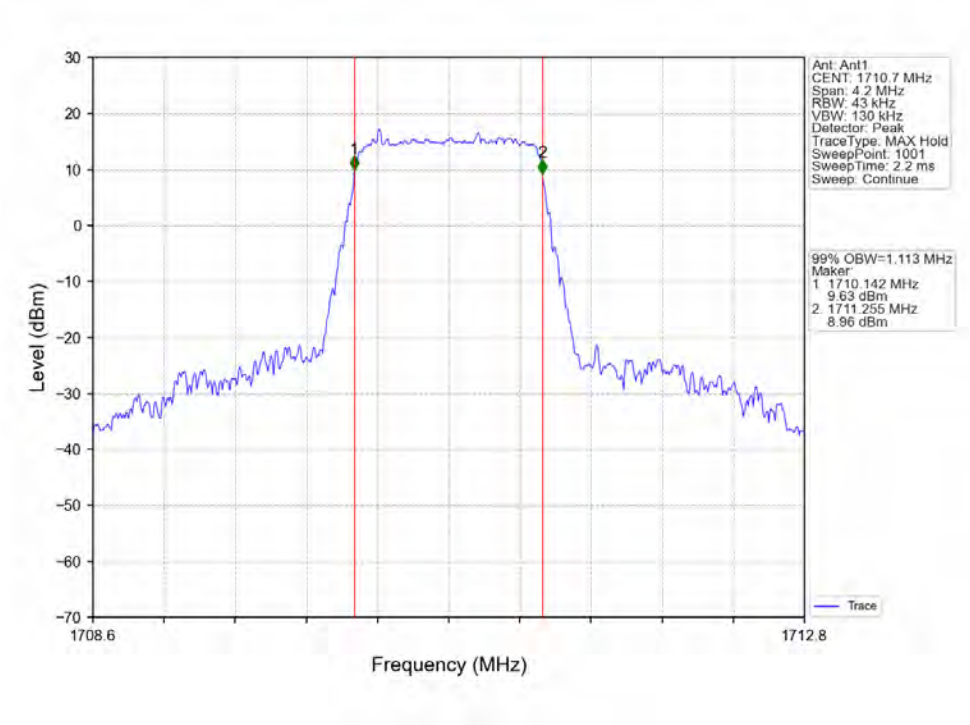
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



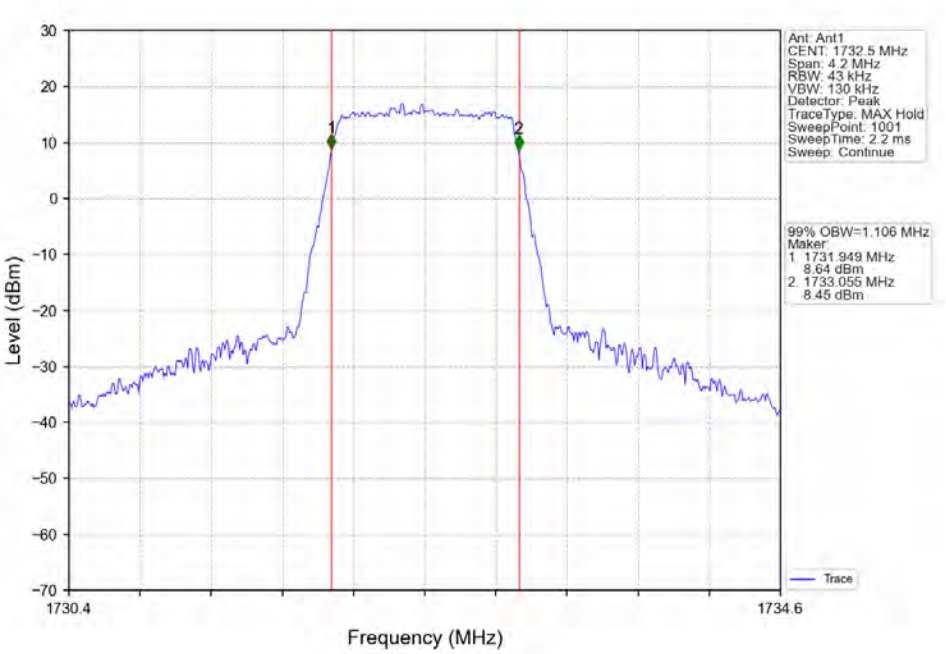
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



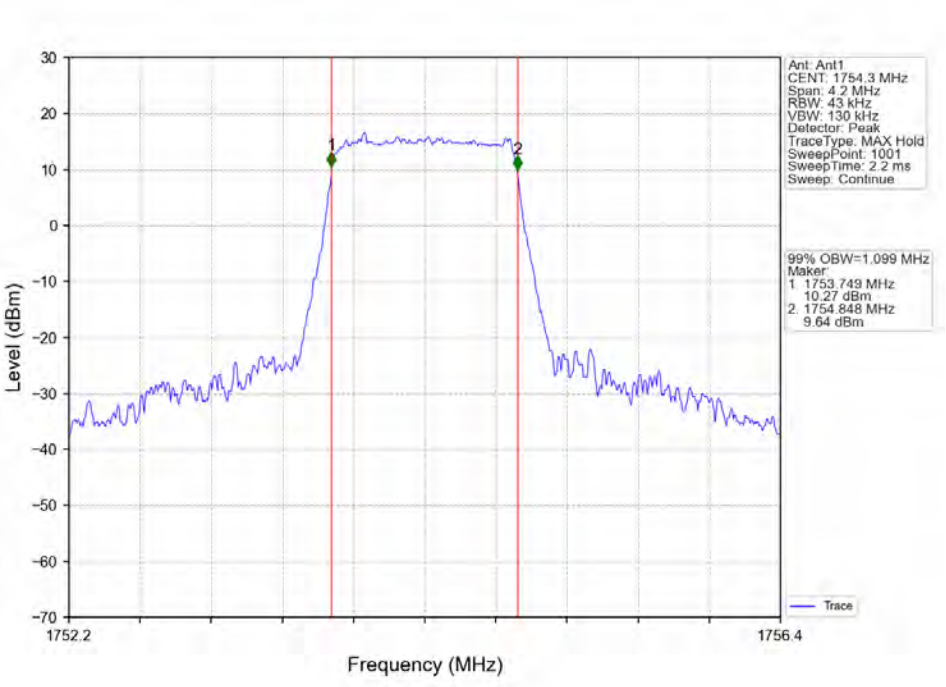
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



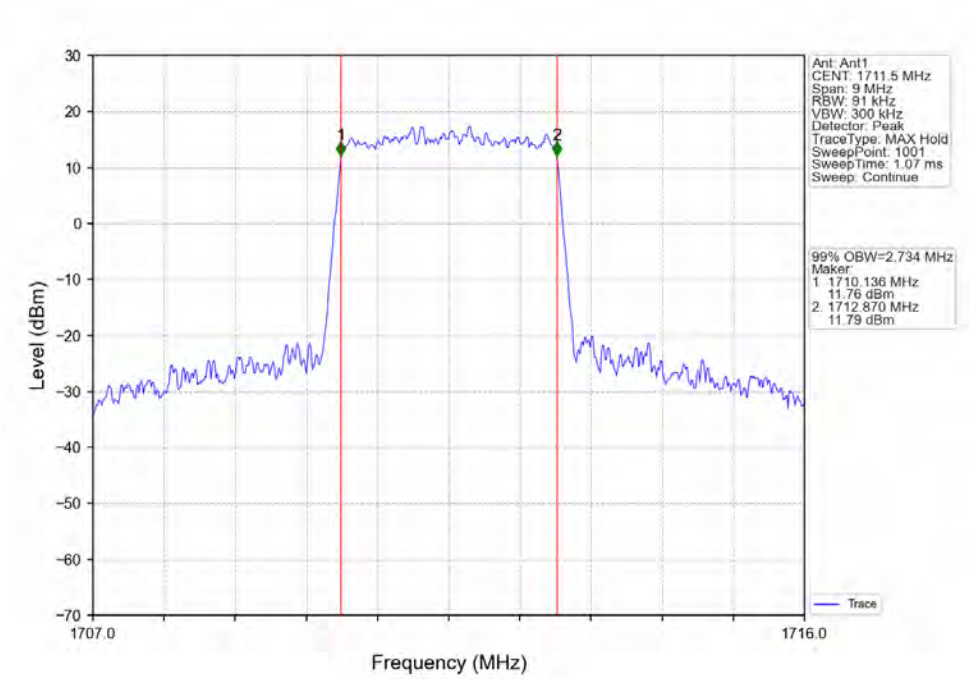
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



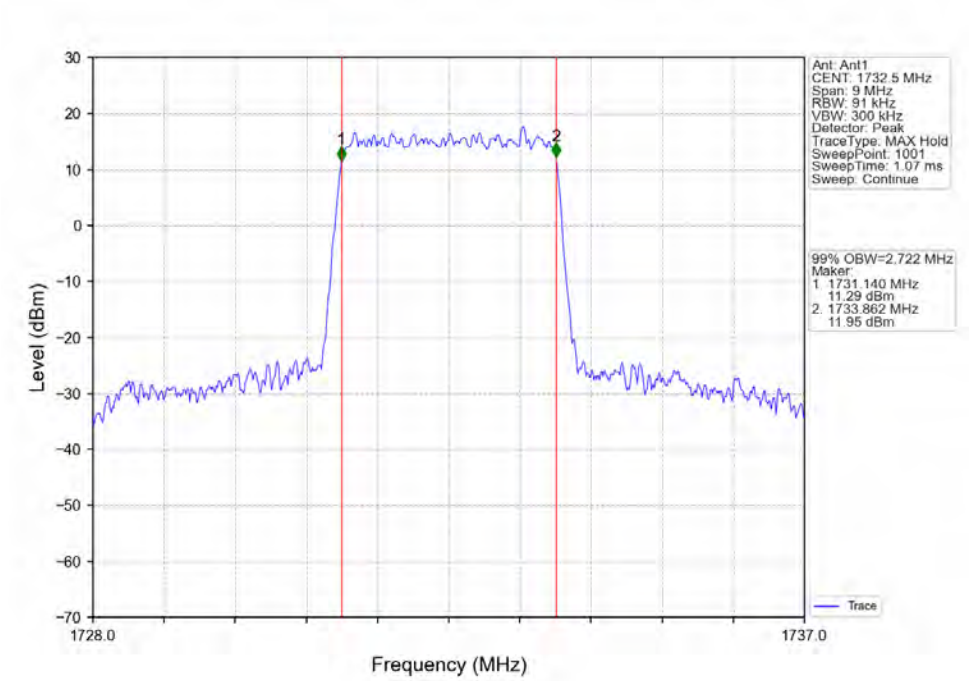
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



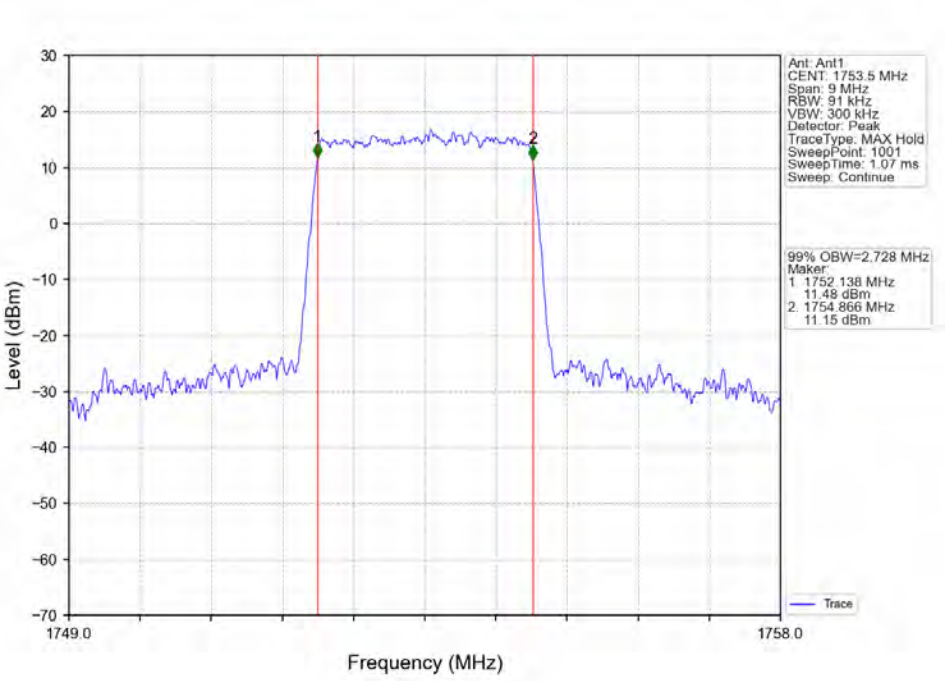
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



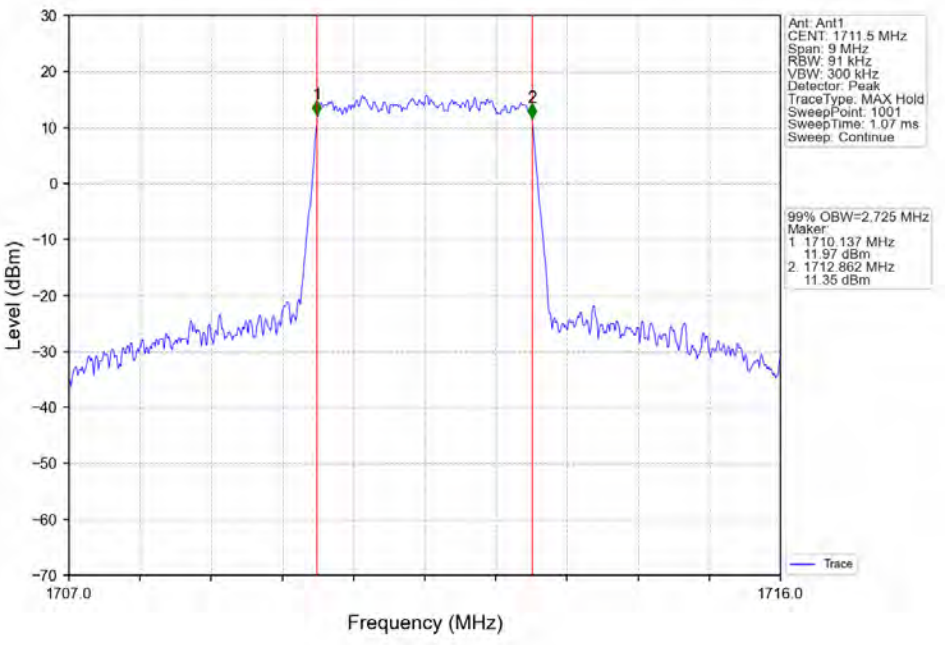
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



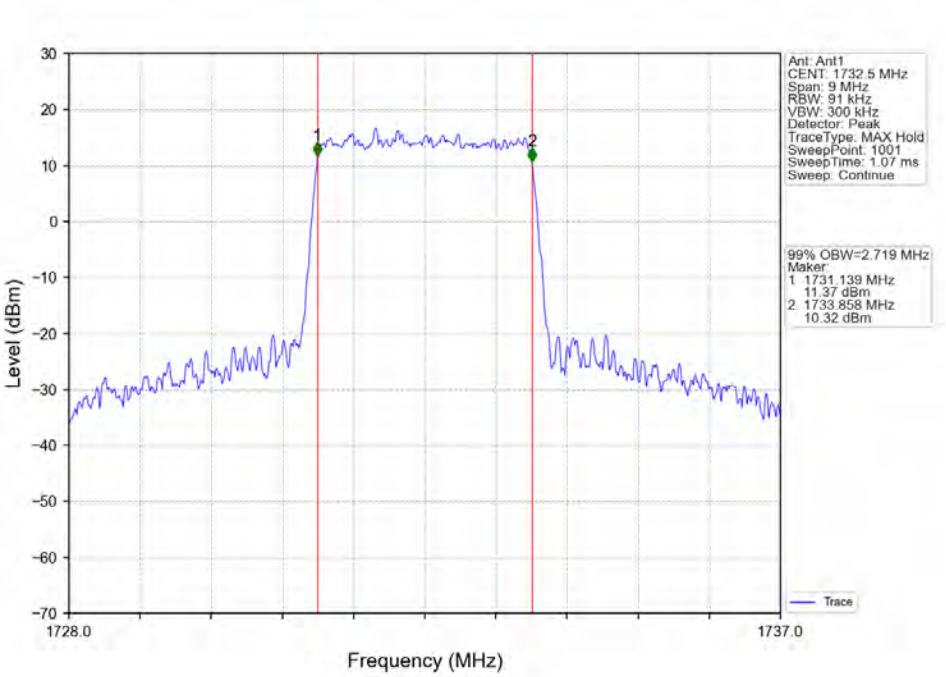
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



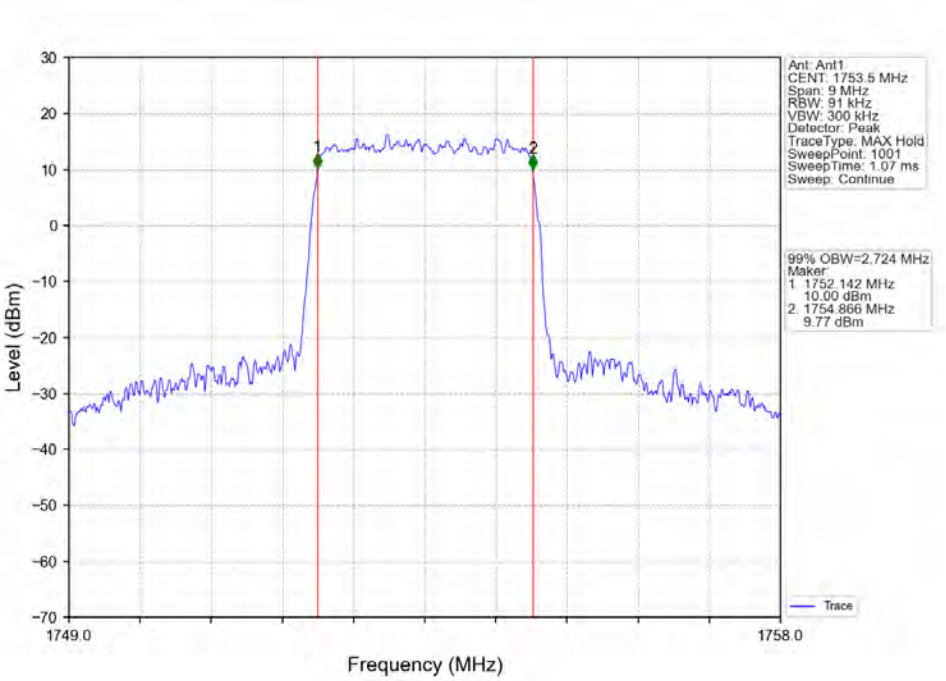
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



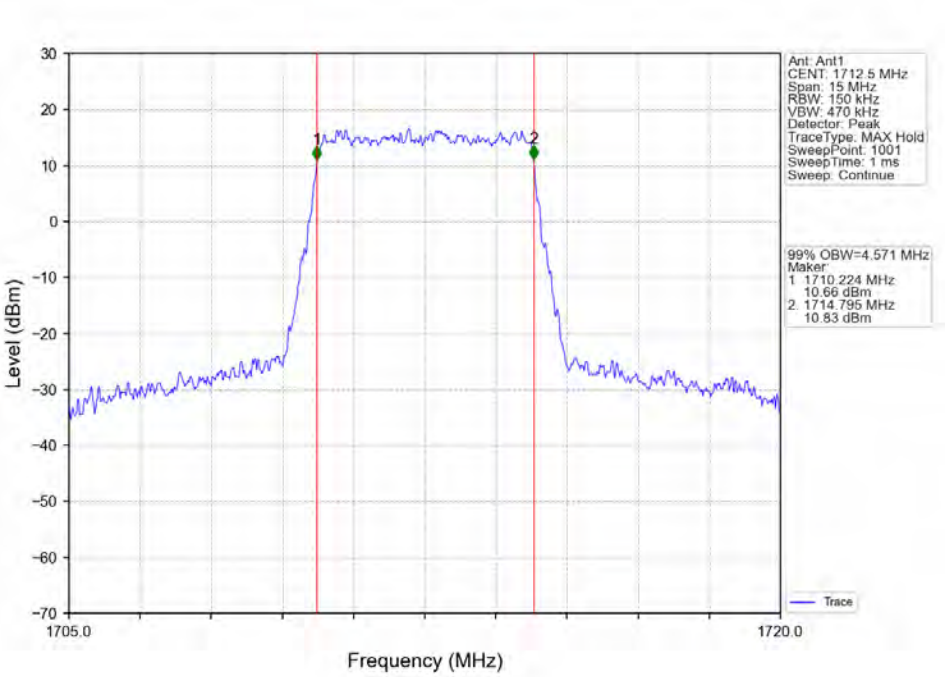
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



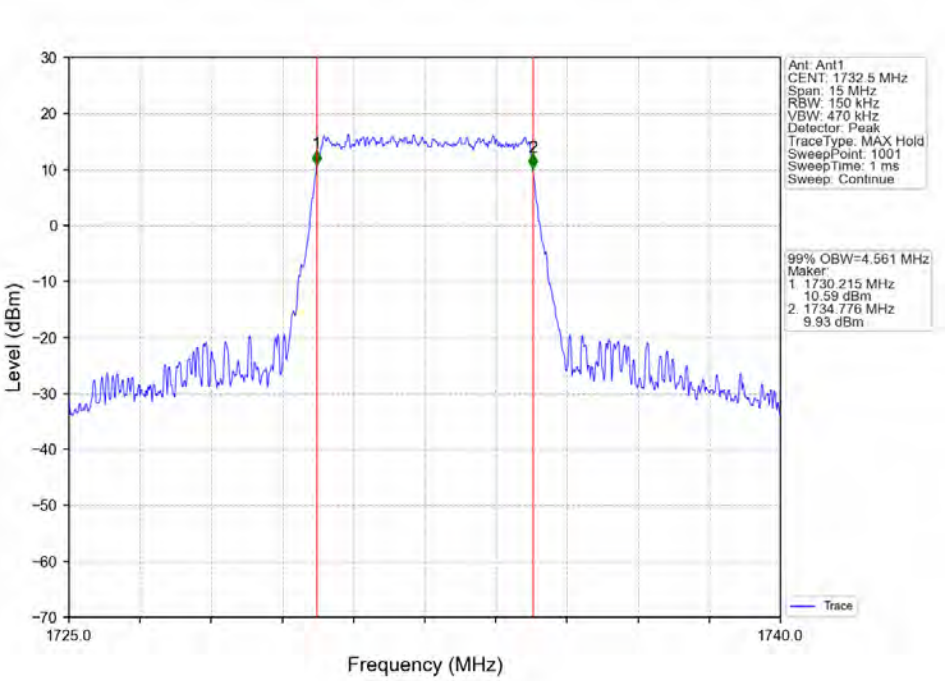
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



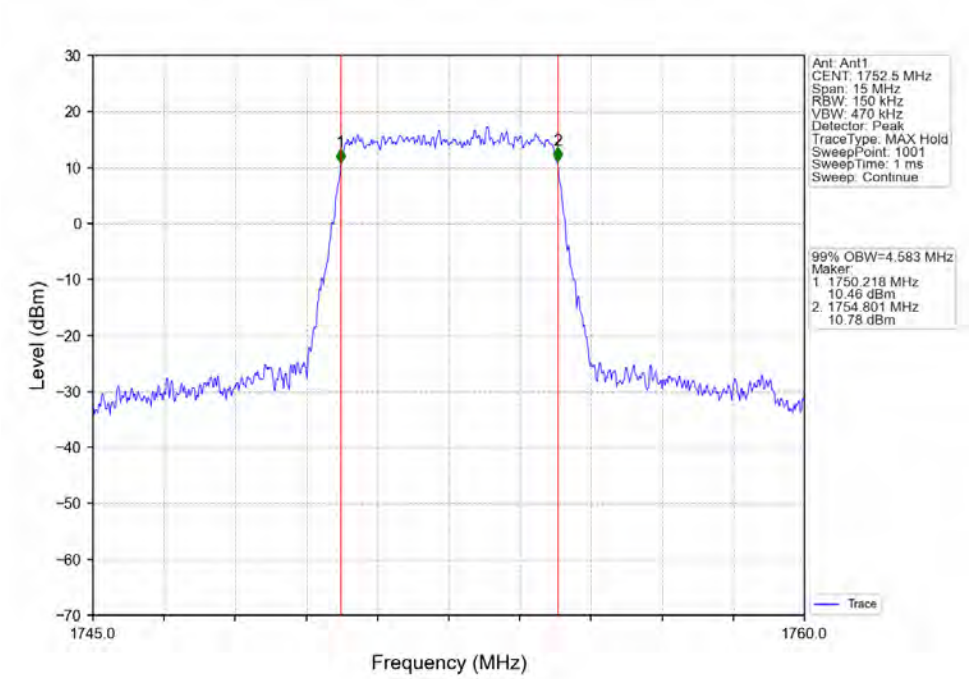
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



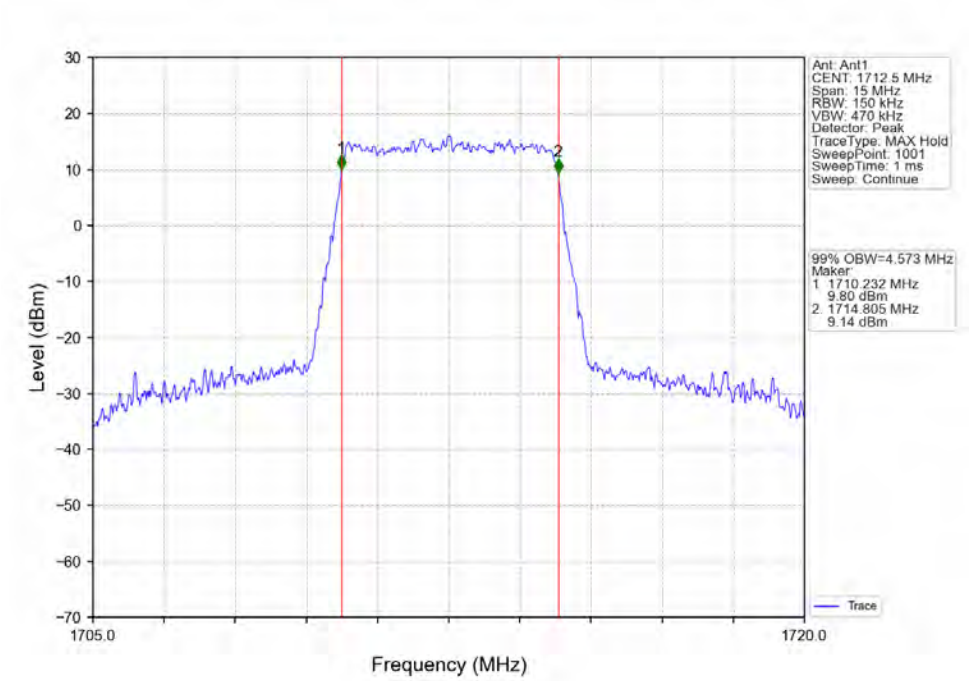
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



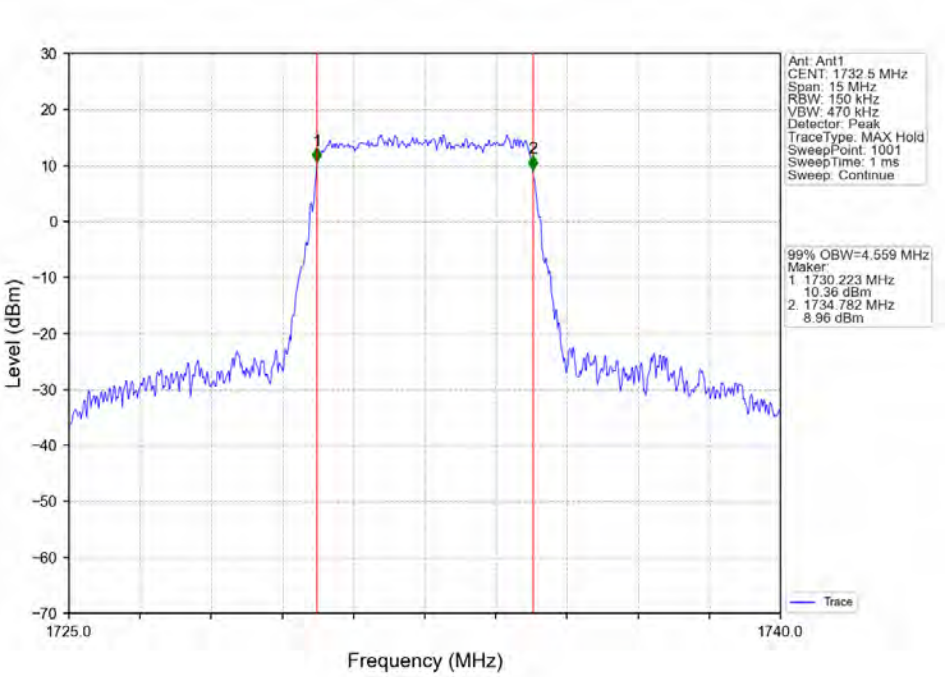
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



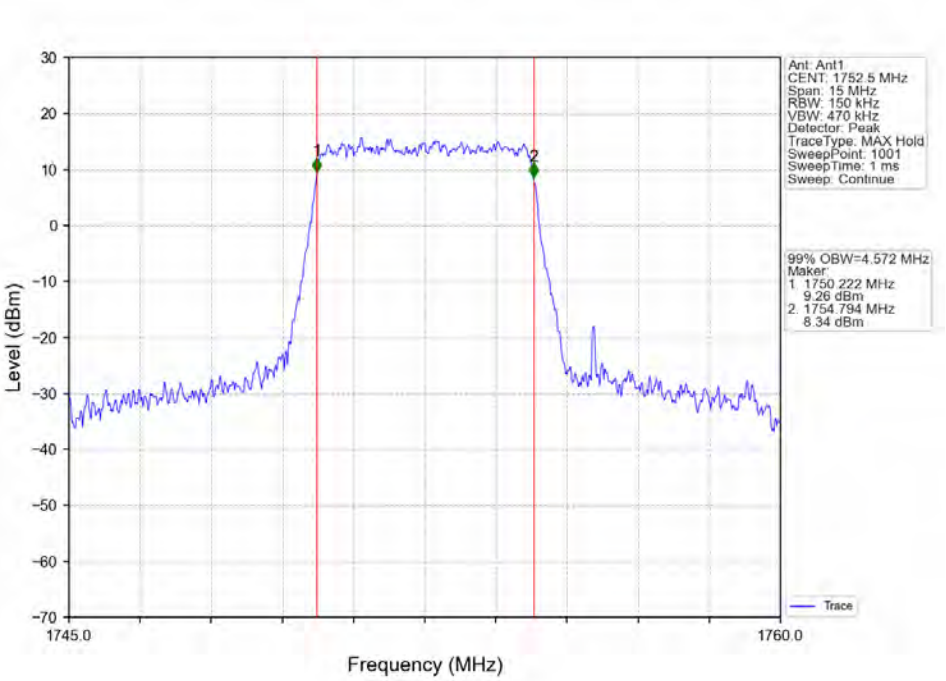
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



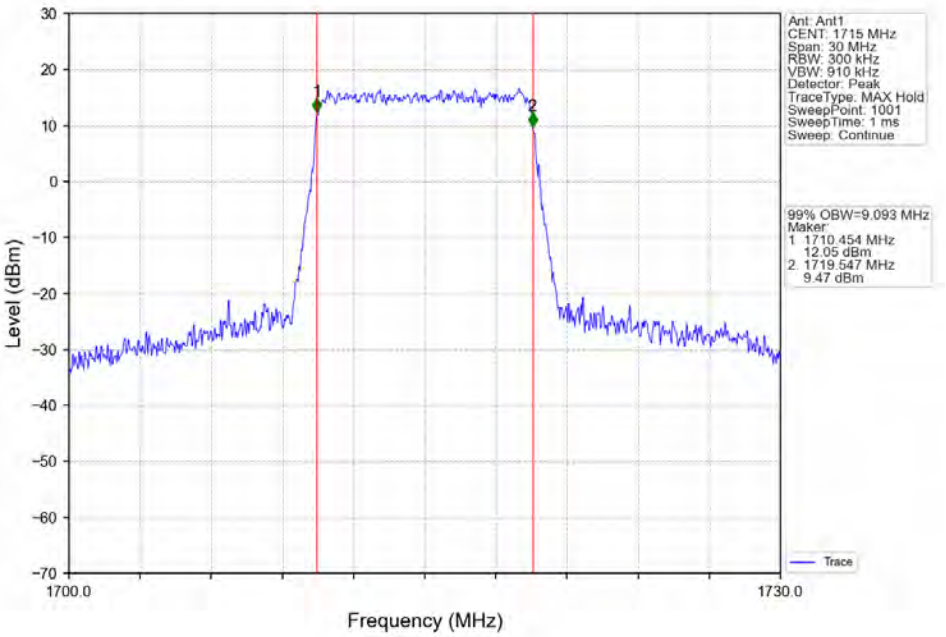
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



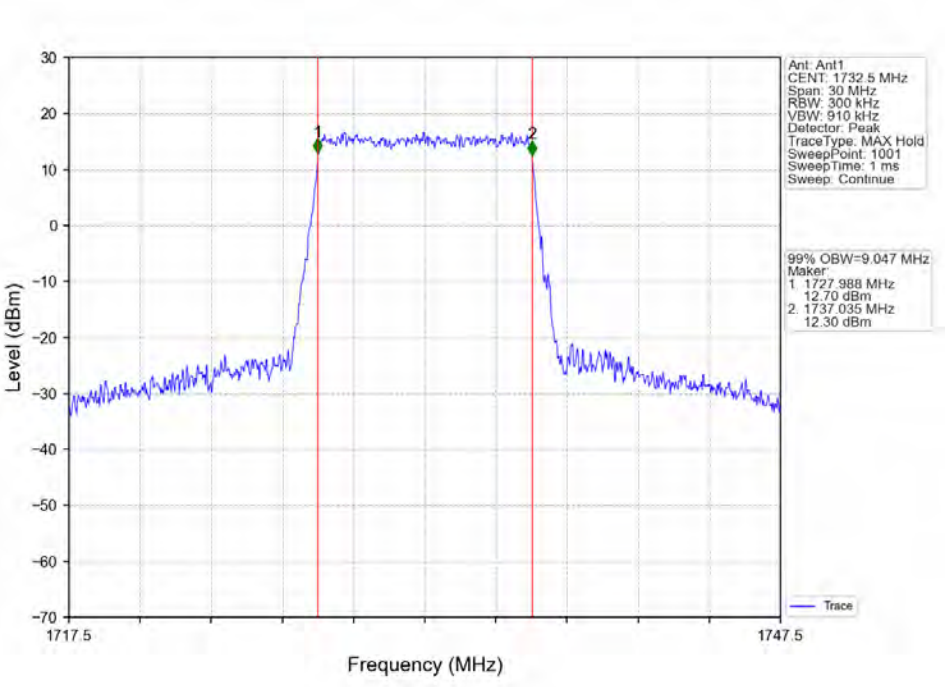
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



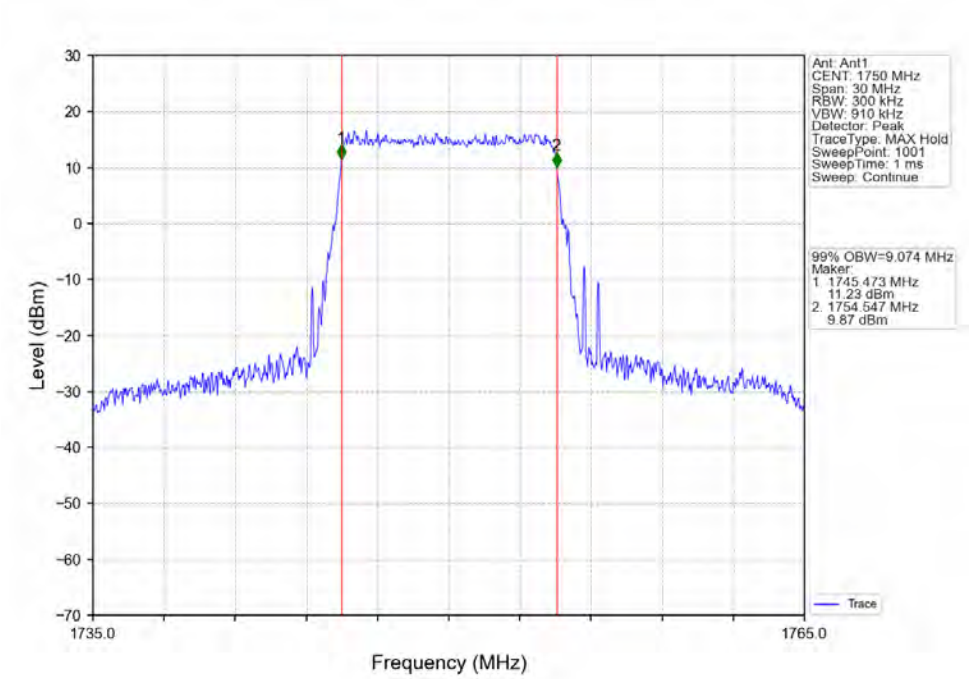
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



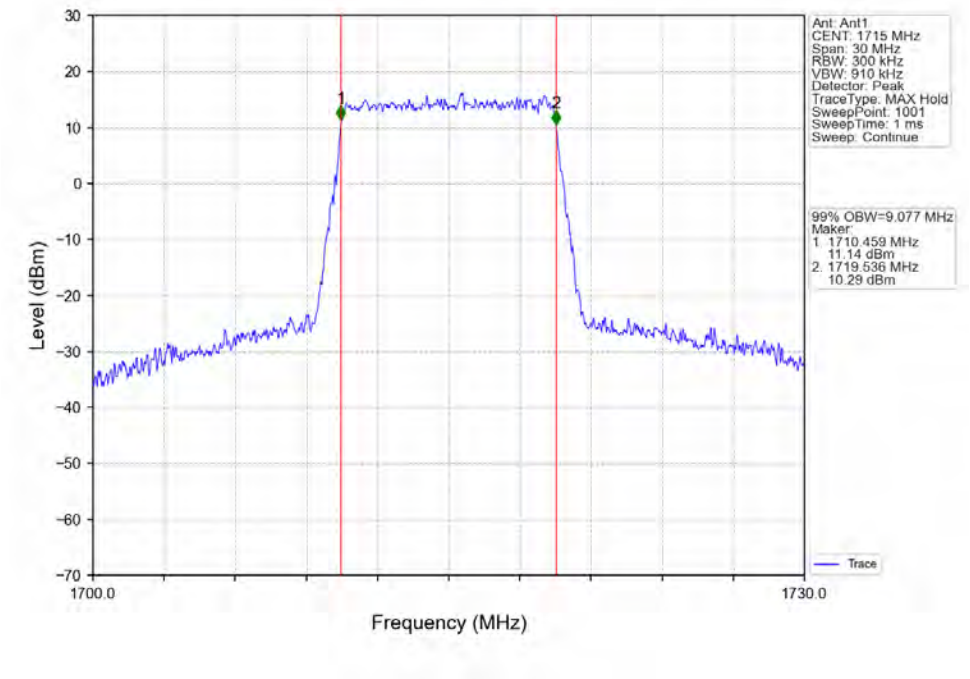
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



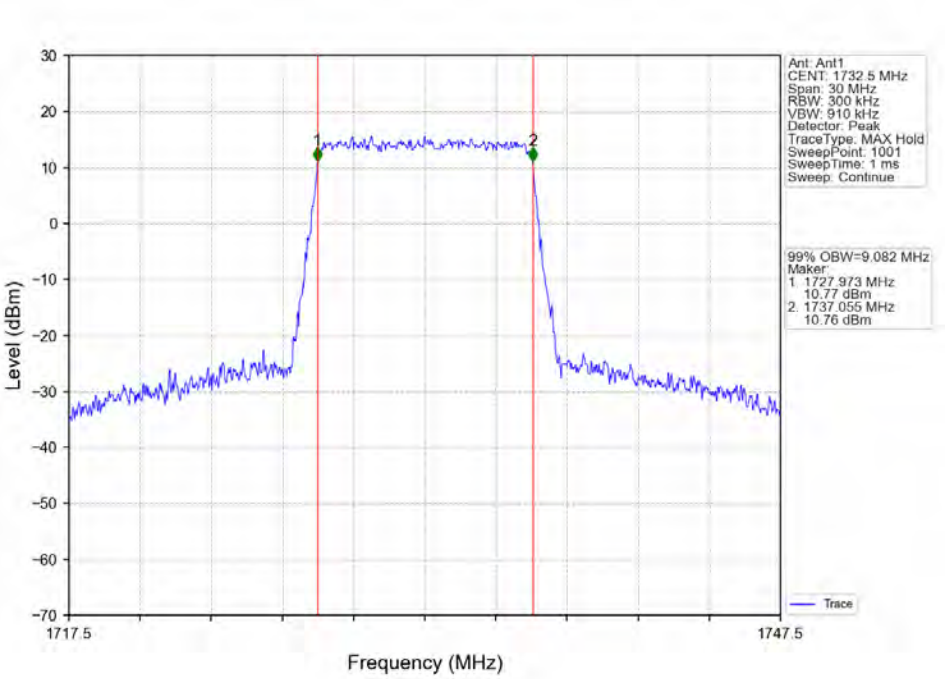
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



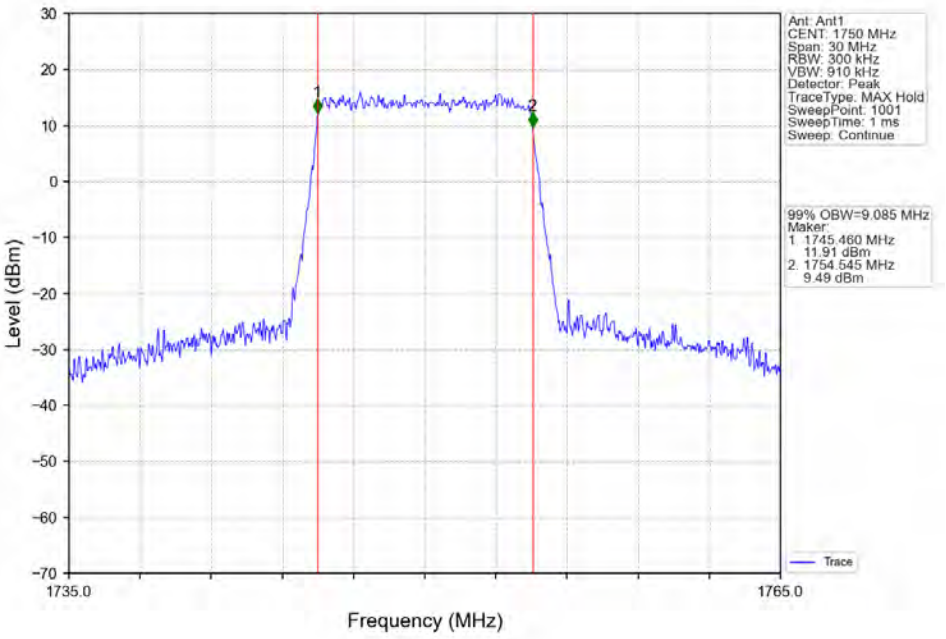
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



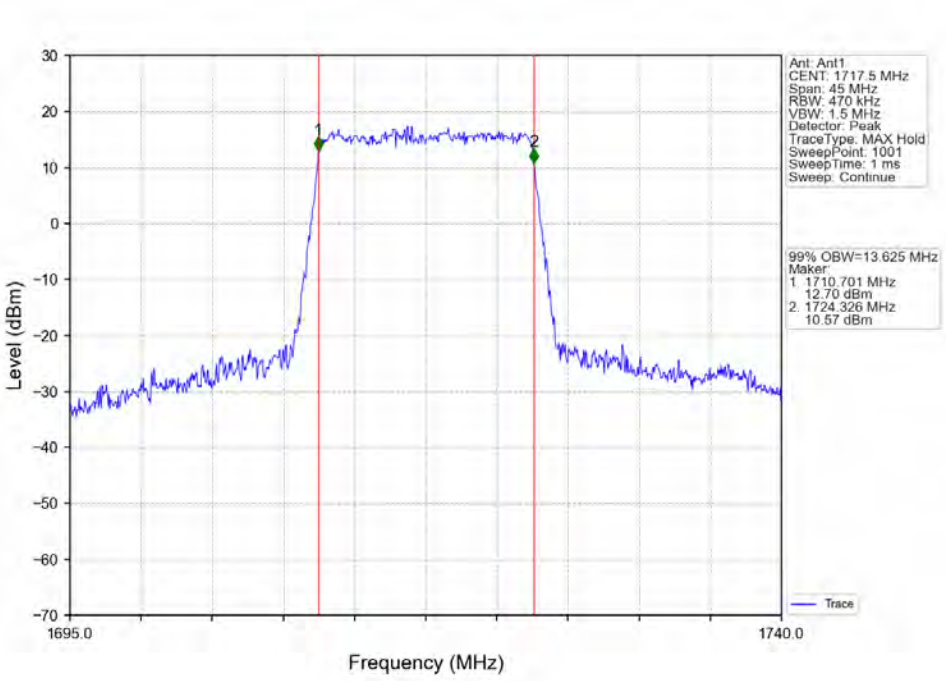
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



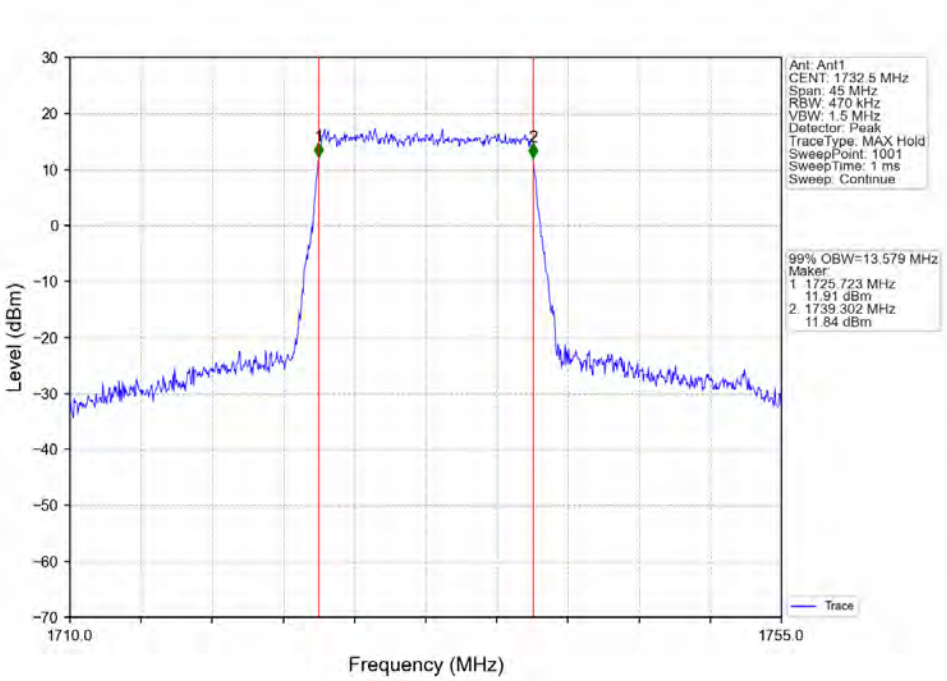
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



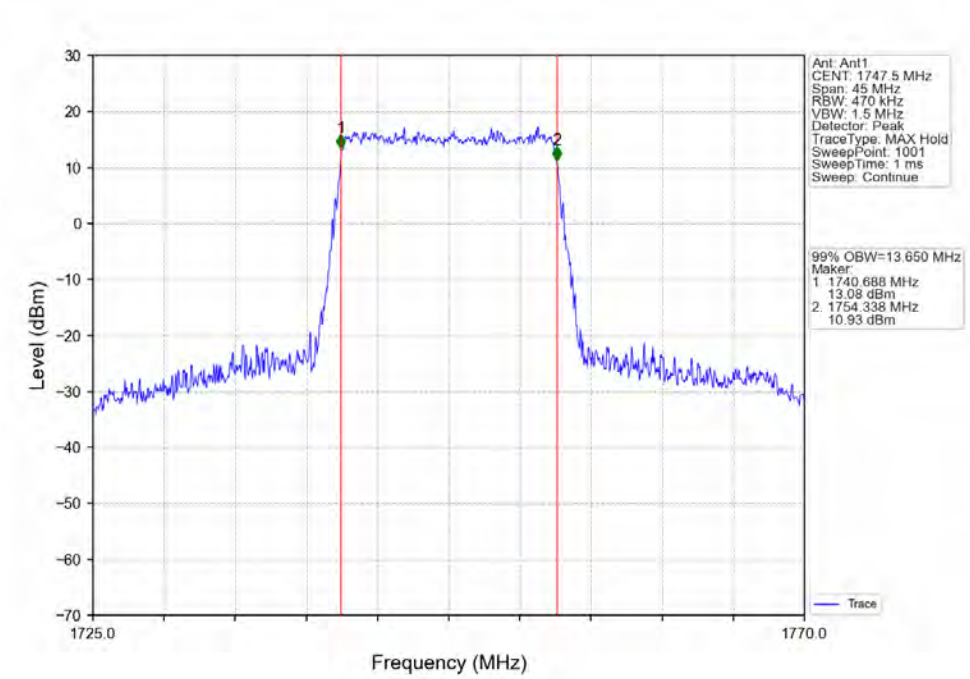
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



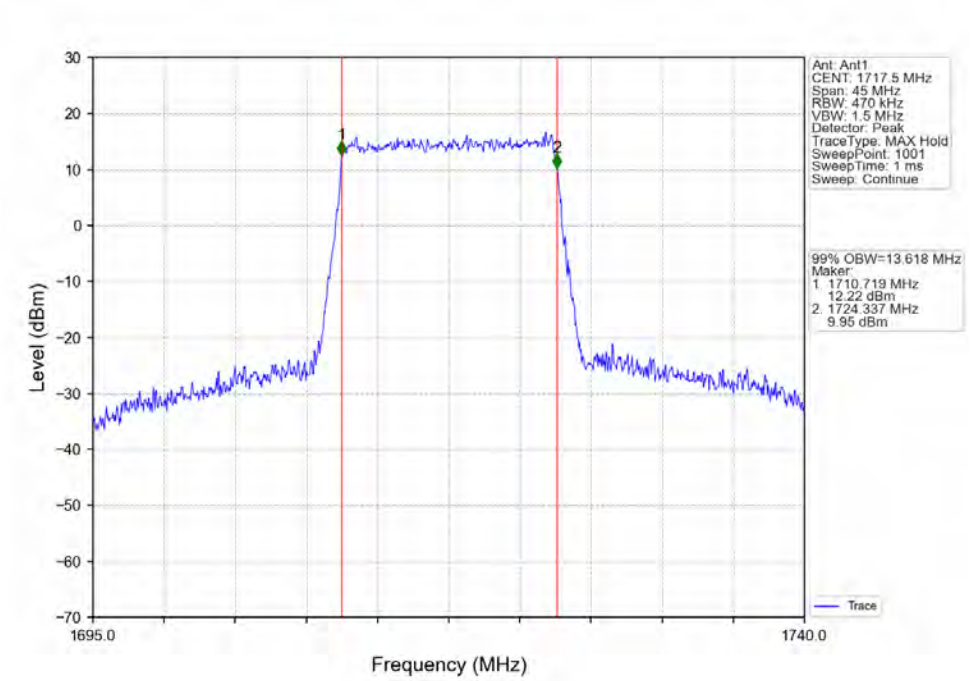
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



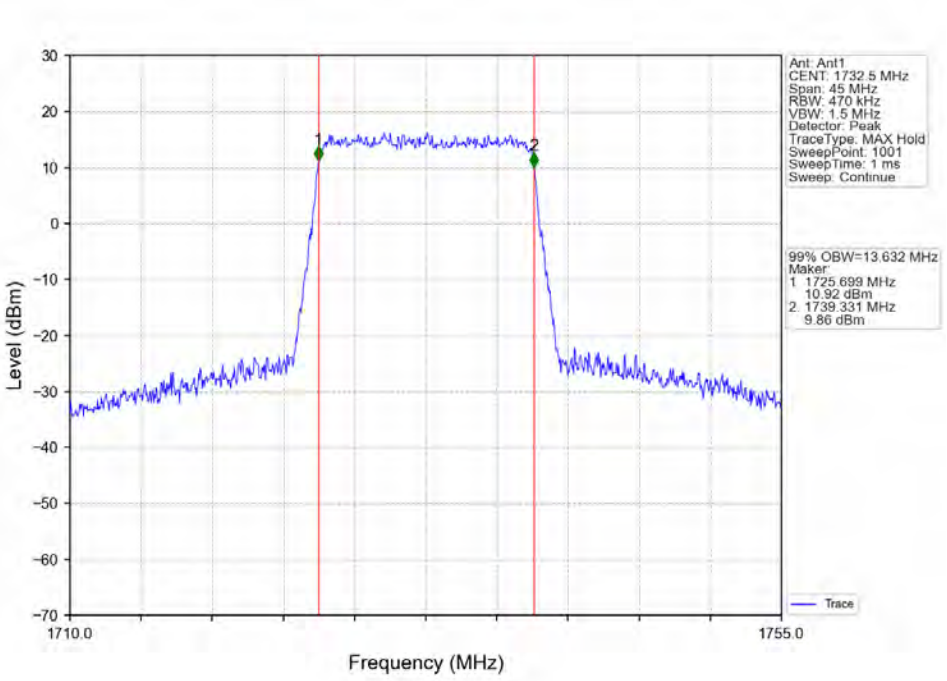
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



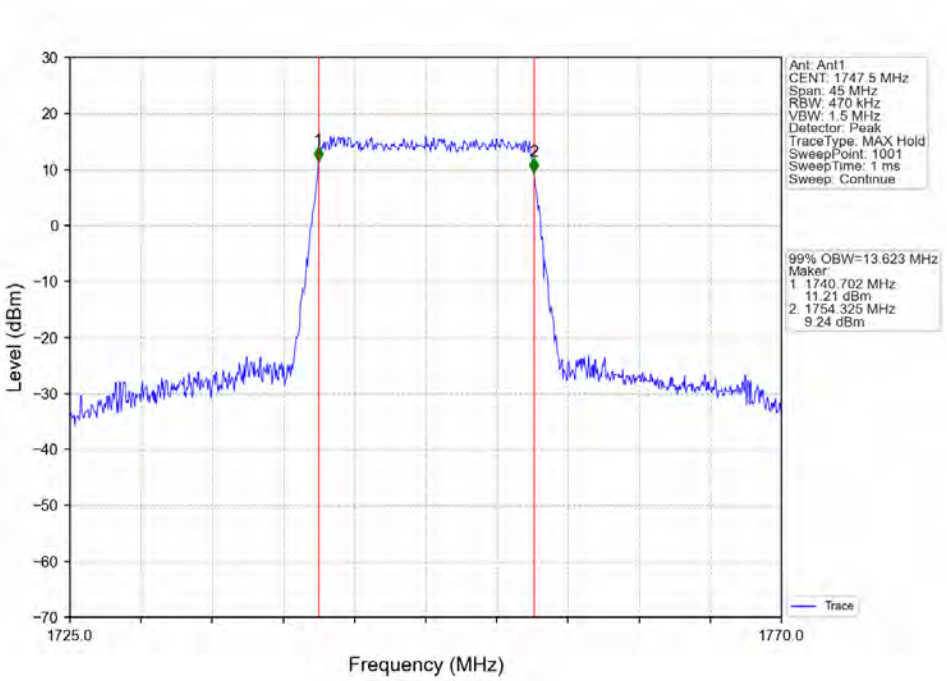
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



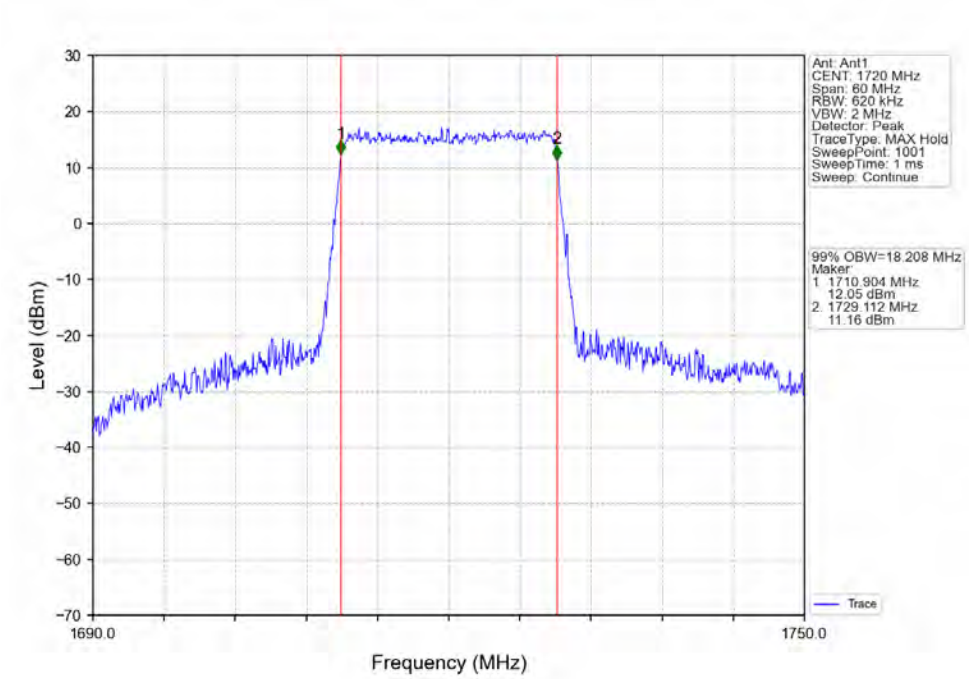
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



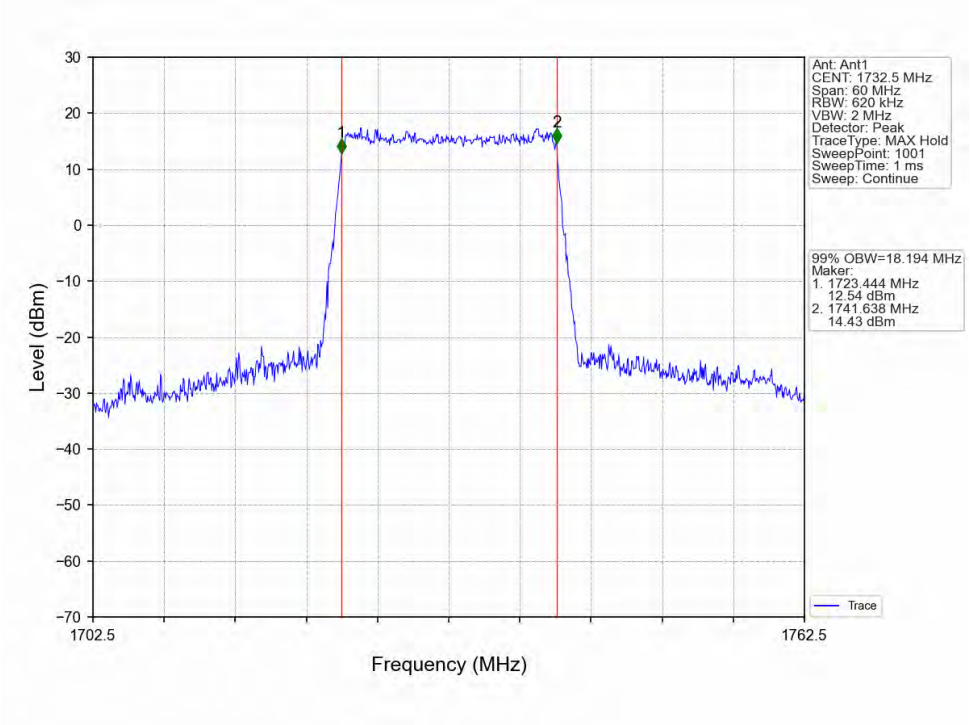
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



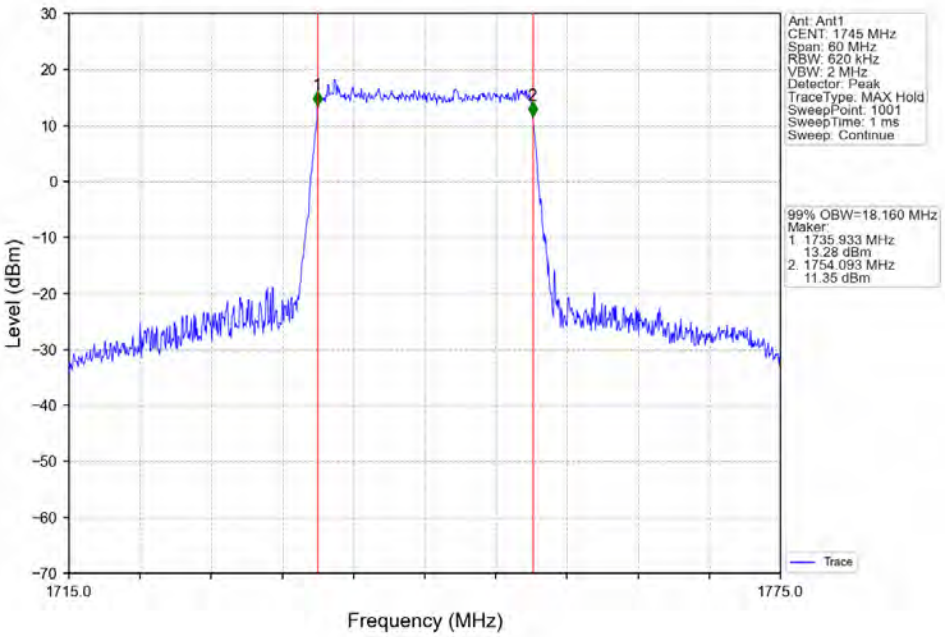
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



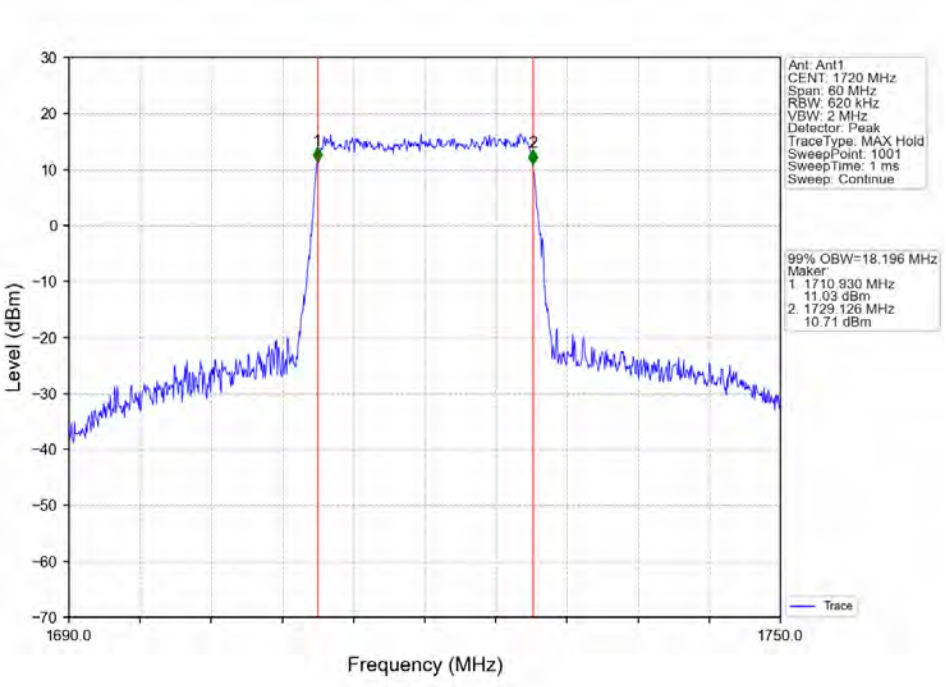
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



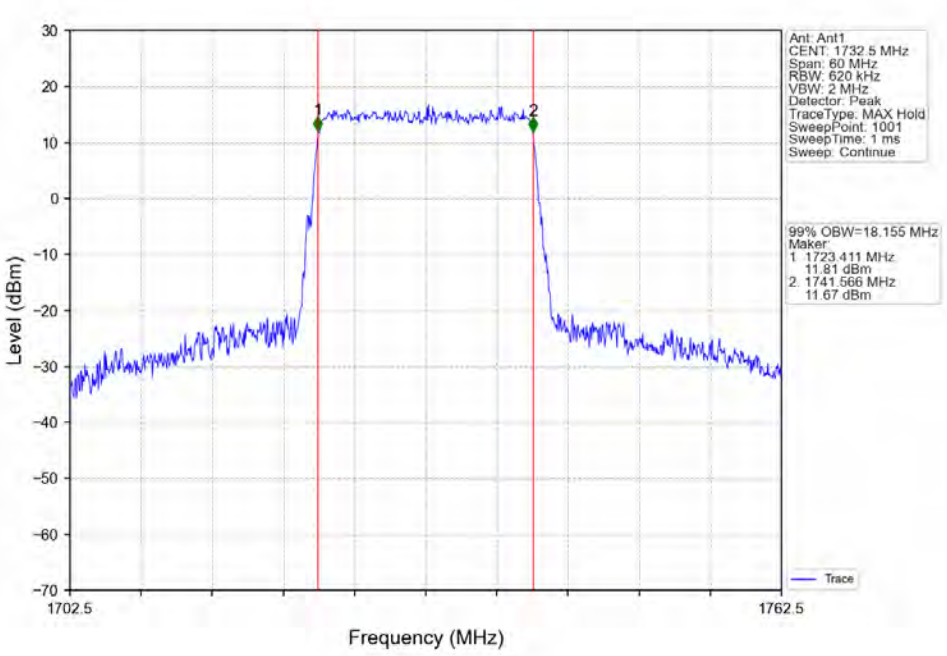
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



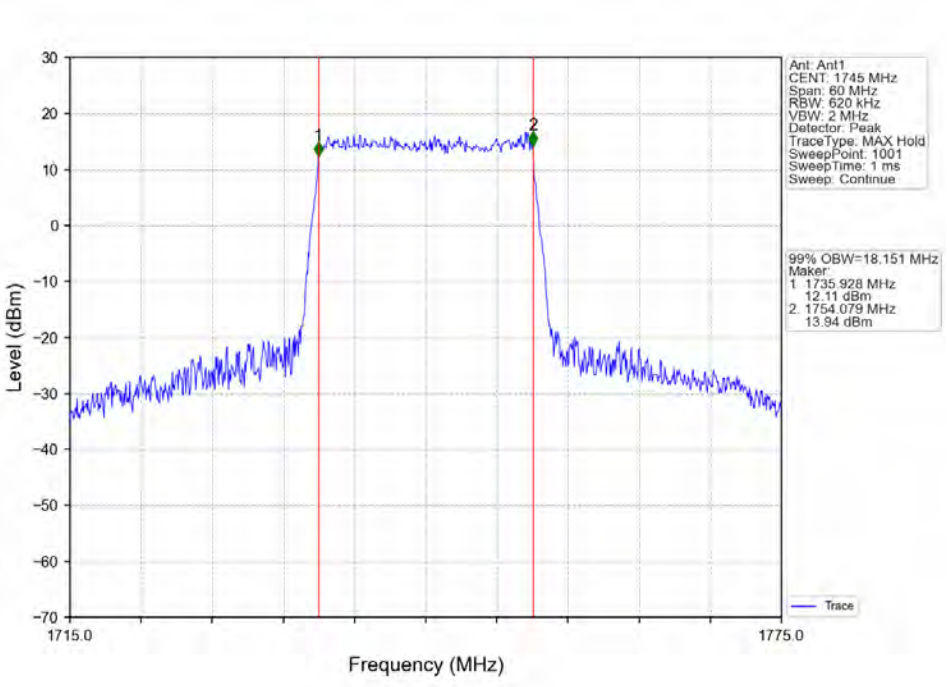
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



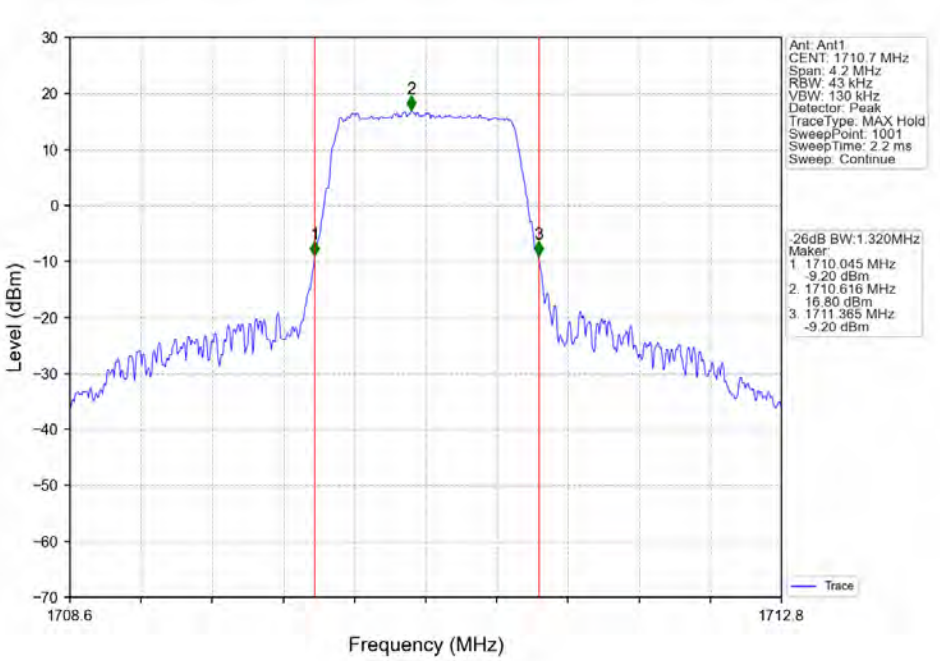
4.2 Band4_XDB

4.2.1 Test Result

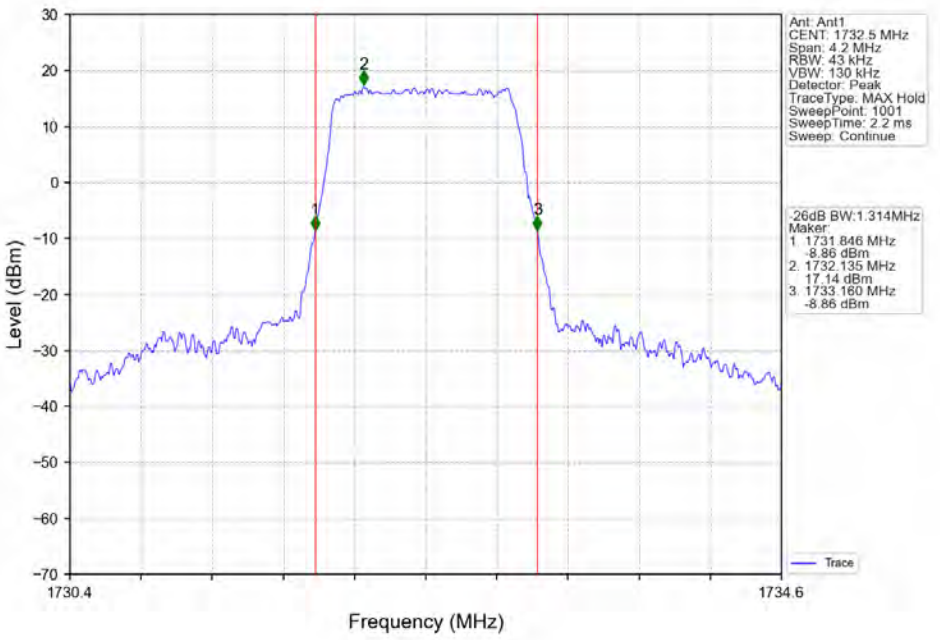
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.320	/	Pass
		1732.5	6	0	1.314	/	Pass
		1754.3	6	0	1.333	/	Pass
	16QAM	1710.7	6	0	1.315	/	Pass
		1732.5	6	0	1.327	/	Pass
		1754.3	6	0	1.304	/	Pass
3	QPSK	1711.5	15	0	2.995	/	Pass
		1732.5	15	0	2.970	/	Pass
		1753.5	15	0	2.998	/	Pass
	16QAM	1711.5	15	0	2.999	/	Pass
		1732.5	15	0	2.977	/	Pass
		1753.5	15	0	2.985	/	Pass
5	QPSK	1712.5	25	0	5.303	/	Pass
		1732.5	25	0	5.278	/	Pass
		1752.5	25	0	5.213	/	Pass
	16QAM	1712.5	25	0	5.302	/	Pass
		1732.5	25	0	5.323	/	Pass
		1752.5	25	0	5.252	/	Pass
10	QPSK	1715	50	0	10.256	/	Pass
		1732.5	50	0	10.352	/	Pass
		1750	50	0	10.907	/	Pass
	16QAM	1715	50	0	10.313	/	Pass
		1732.5	50	0	10.172	/	Pass
		1750	50	0	10.240	/	Pass
15	QPSK	1717.5	75	0	15.267	/	Pass
		1732.5	75	0	15.377	/	Pass
		1747.5	75	0	15.335	/	Pass
	16QAM	1717.5	75	0	15.325	/	Pass
		1732.5	75	0	15.360	/	Pass
		1747.5	75	0	15.331	/	Pass
20	QPSK	1720	100	0	20.144	/	Pass
		1732.5	100	0	20.221	/	Pass
		1745	100	0	19.904	/	Pass
	16QAM	1720	100	0	20.013	/	Pass
		1732.5	100	0	20.136	/	Pass
		1745	100	0	20.195	/	Pass

4.2.2 Test Graph

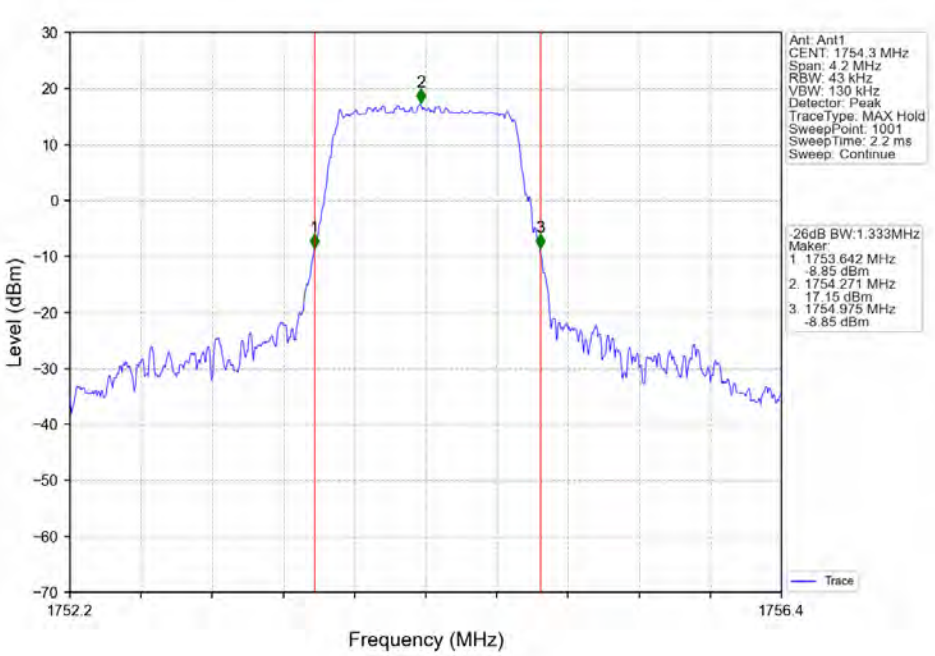
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



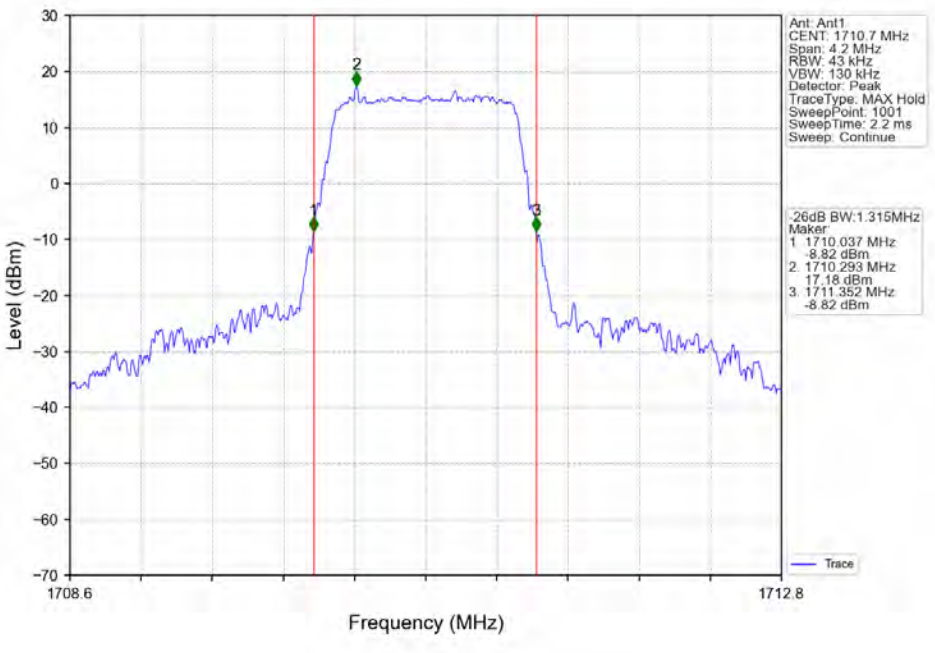
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



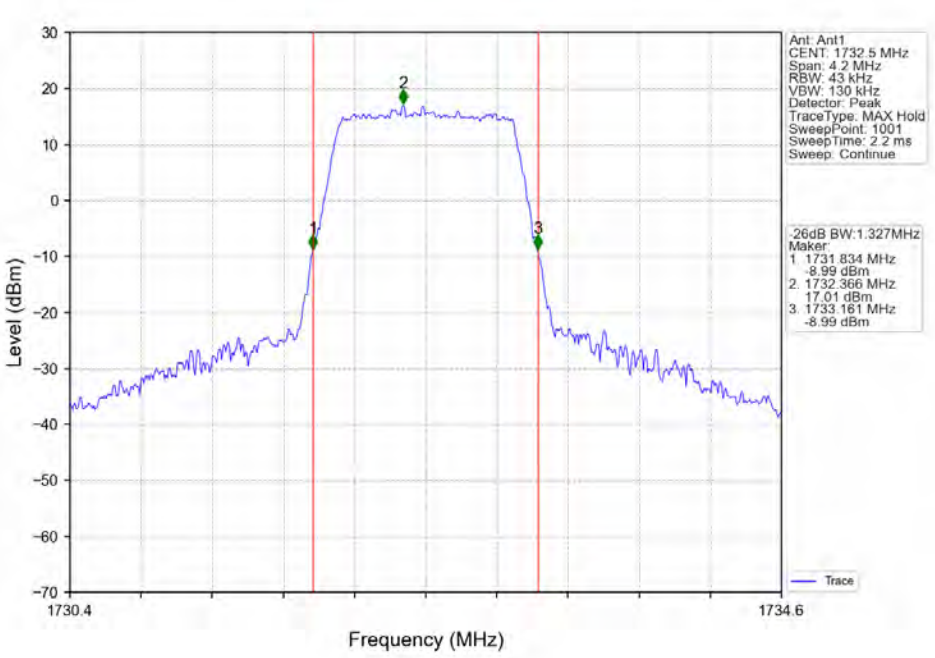
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



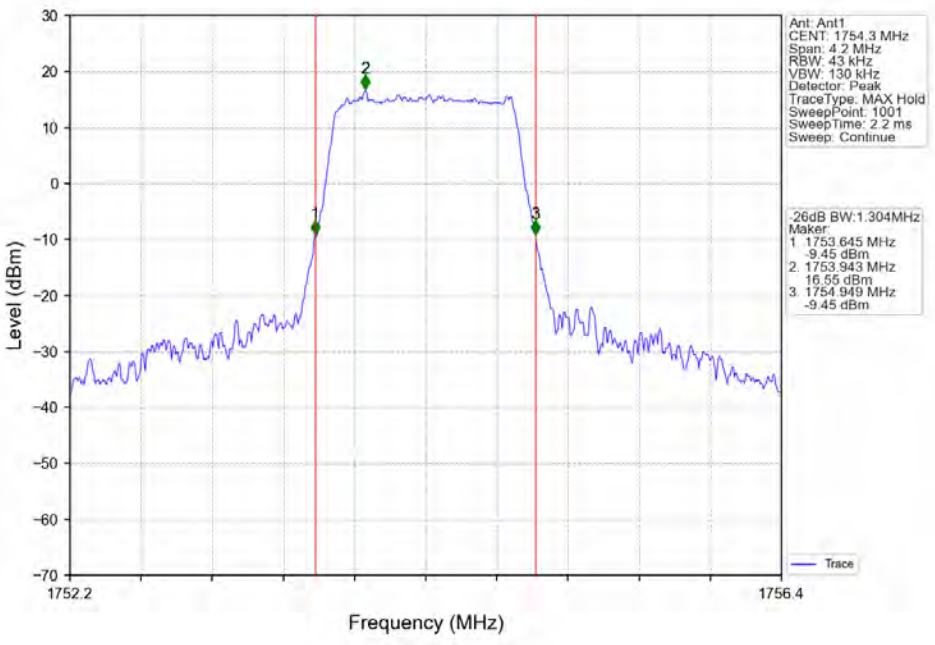
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



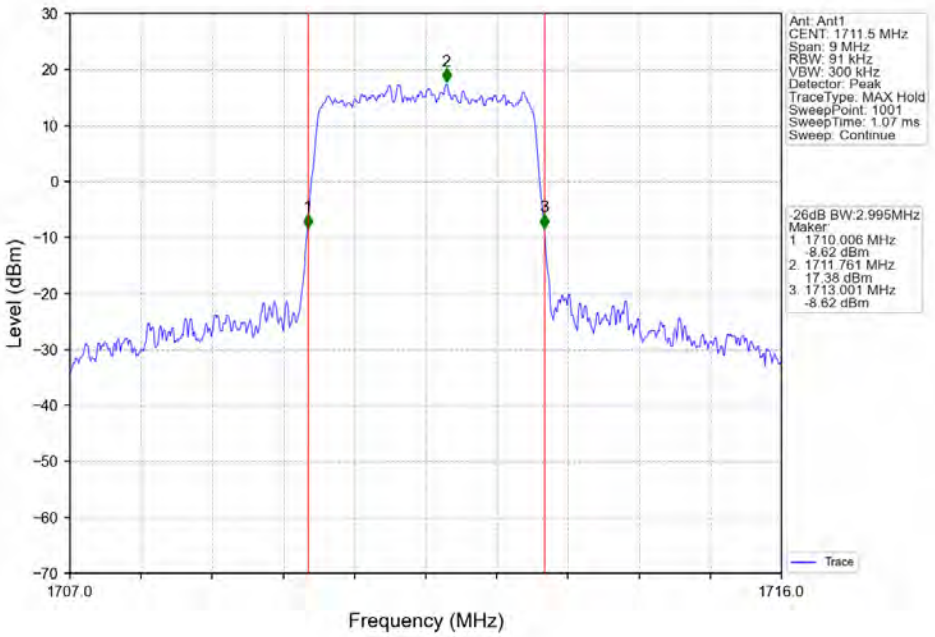
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



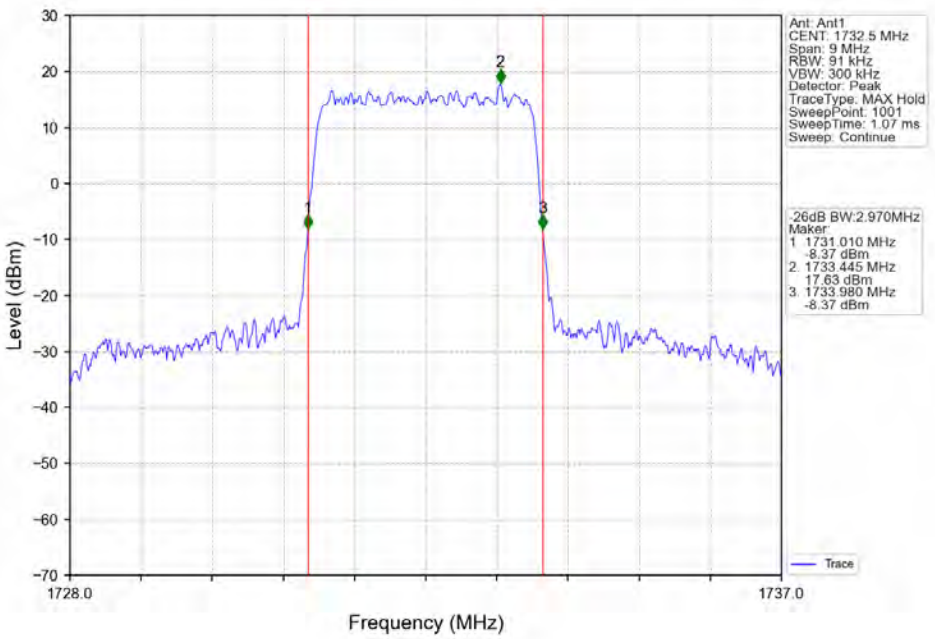
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



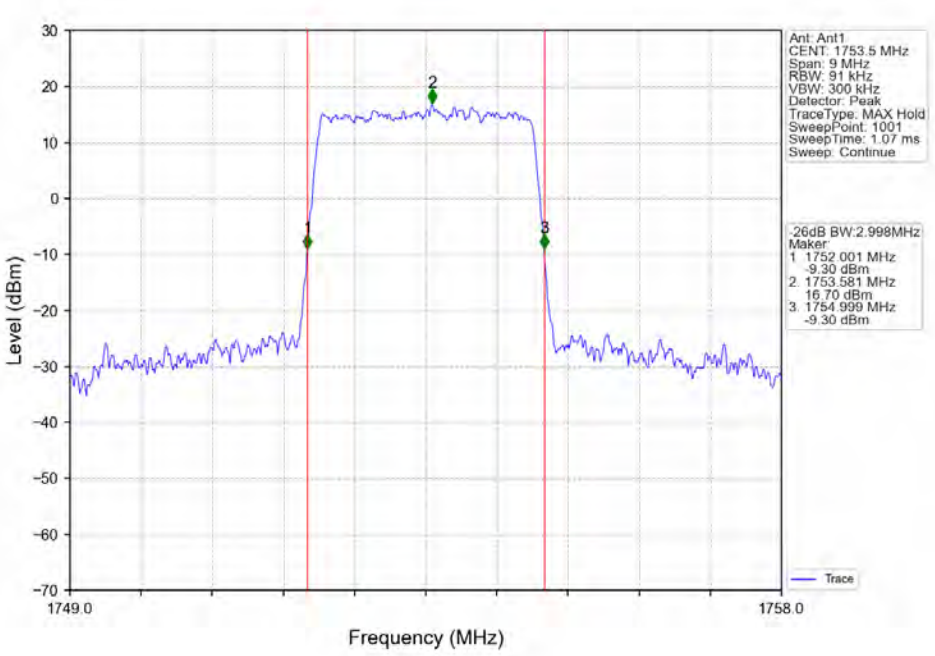
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



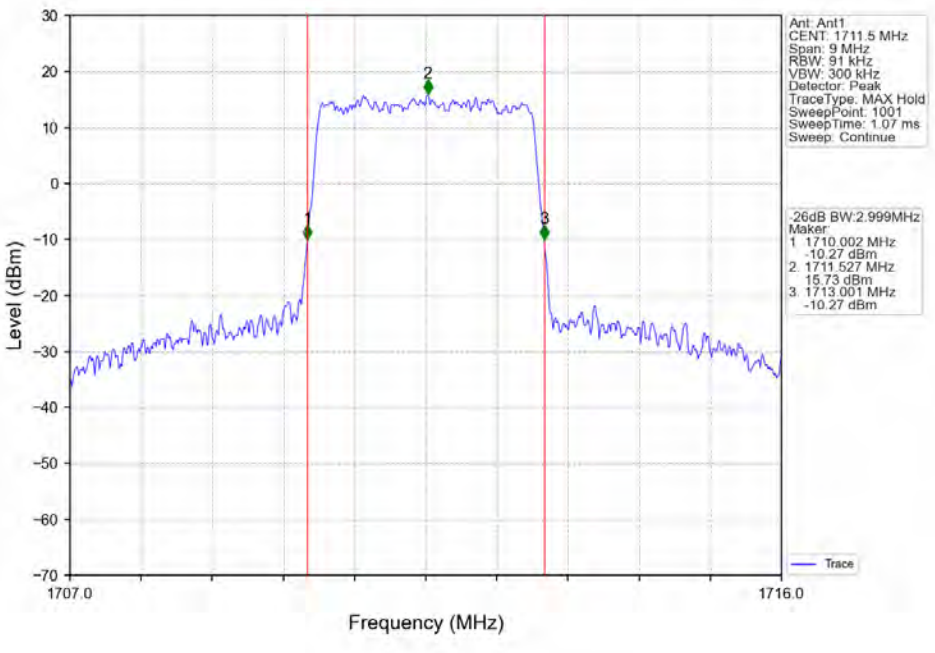
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



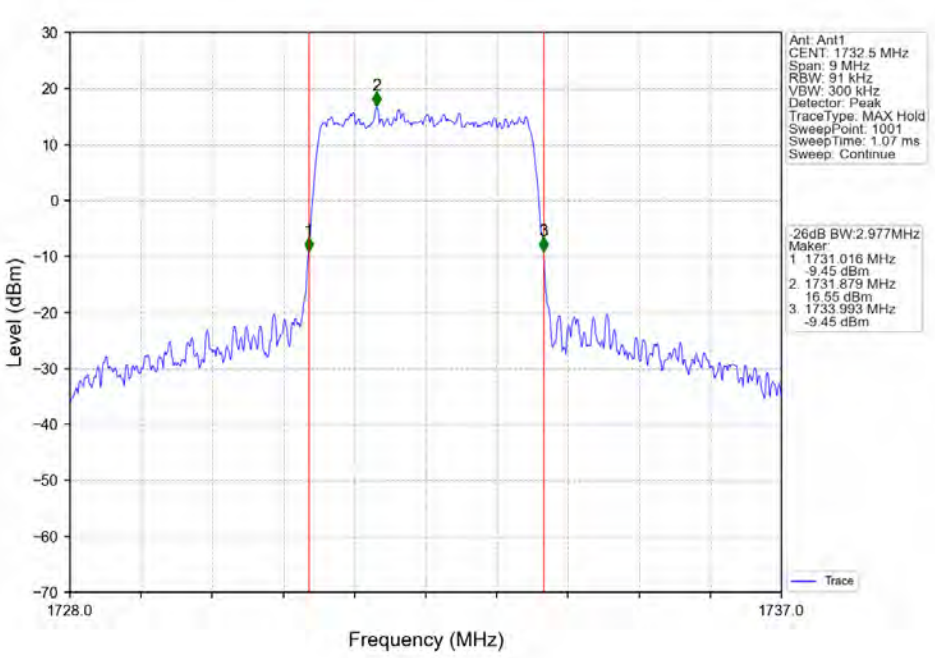
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



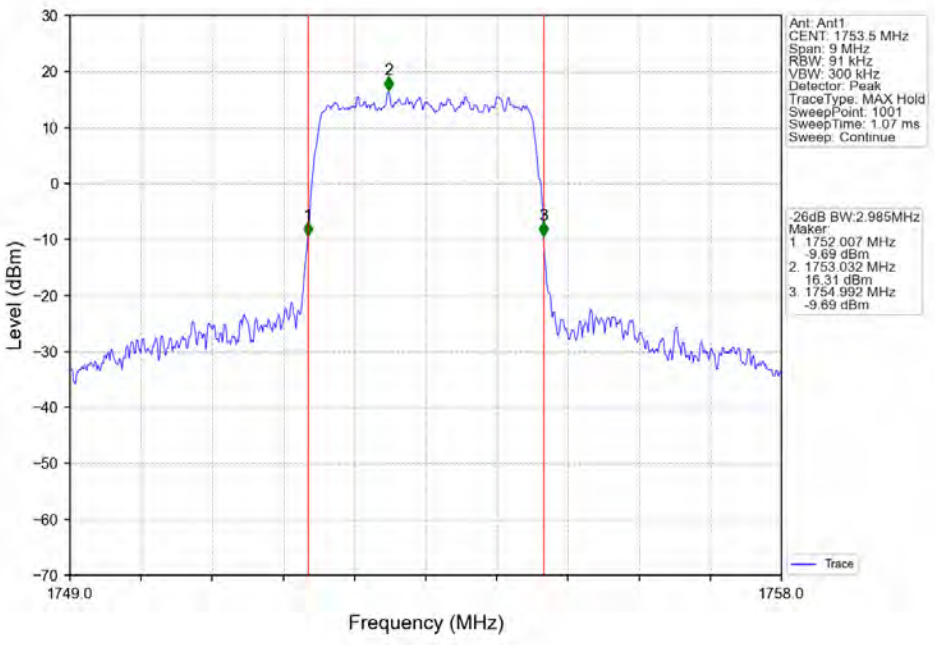
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



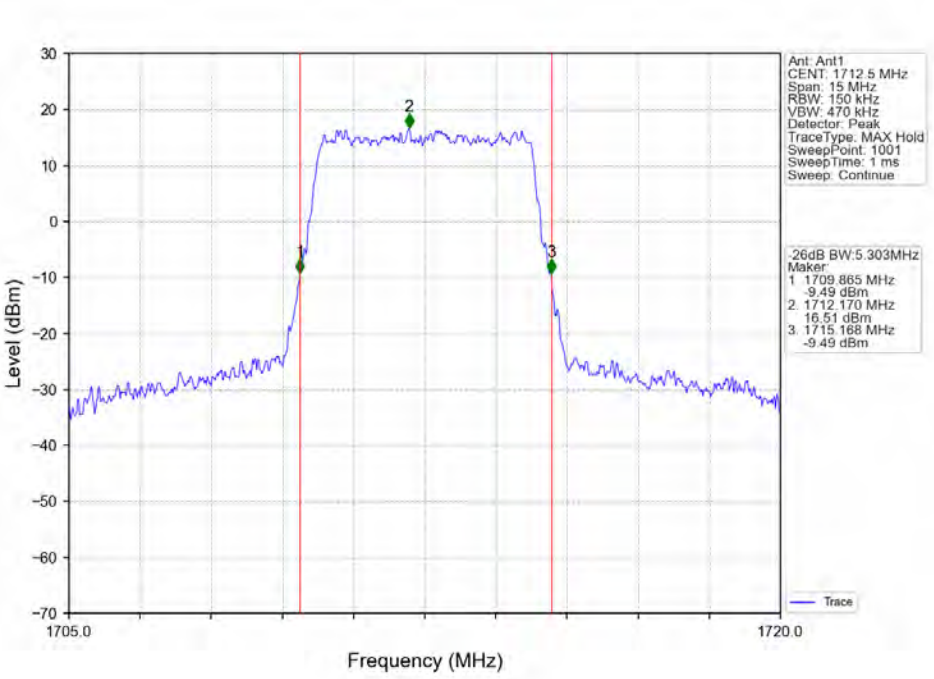
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



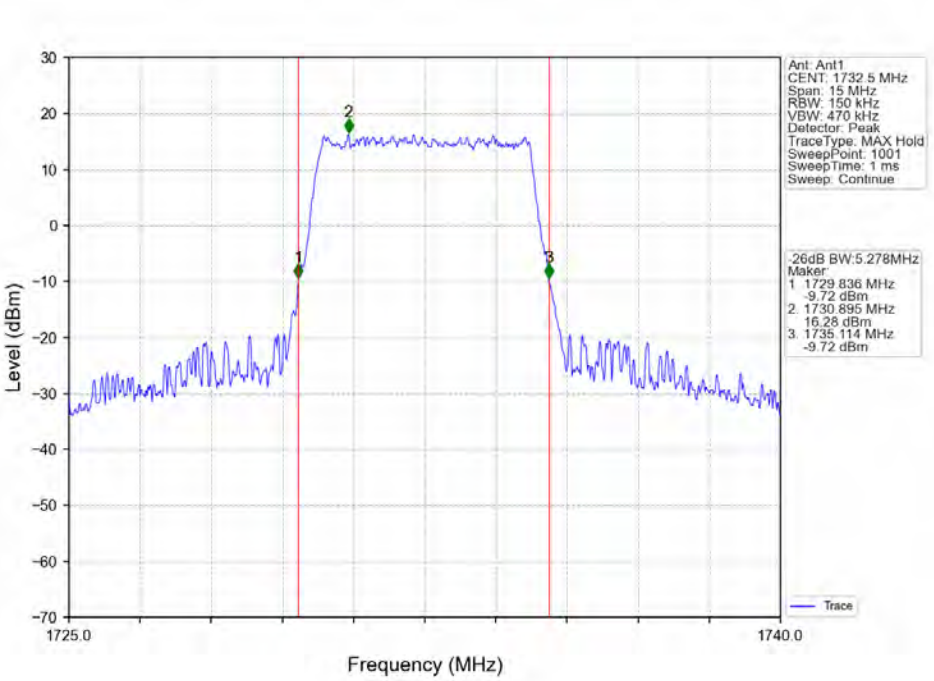
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



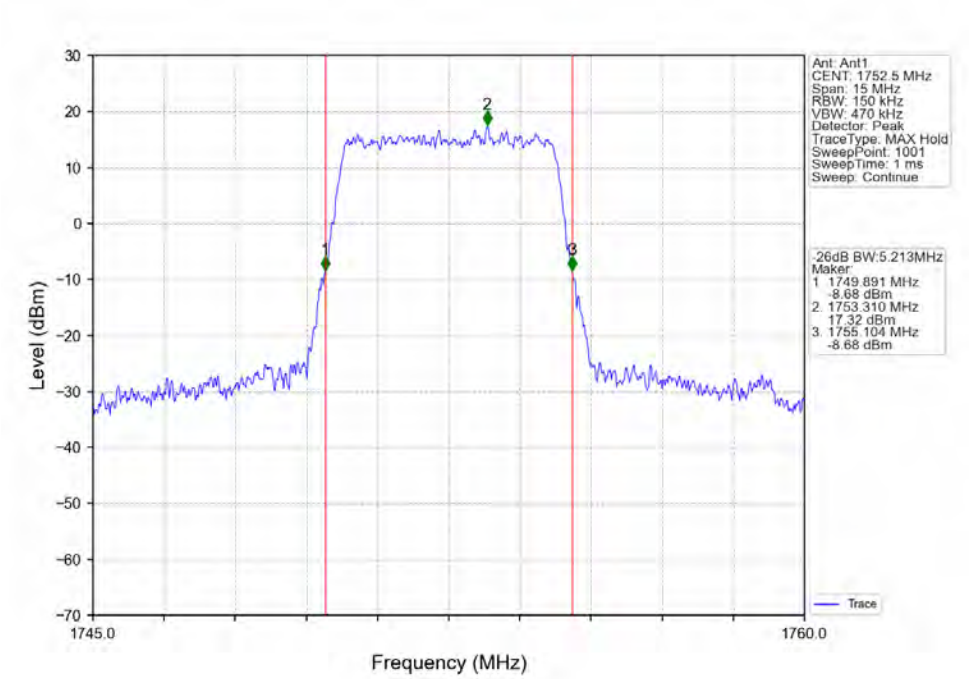
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



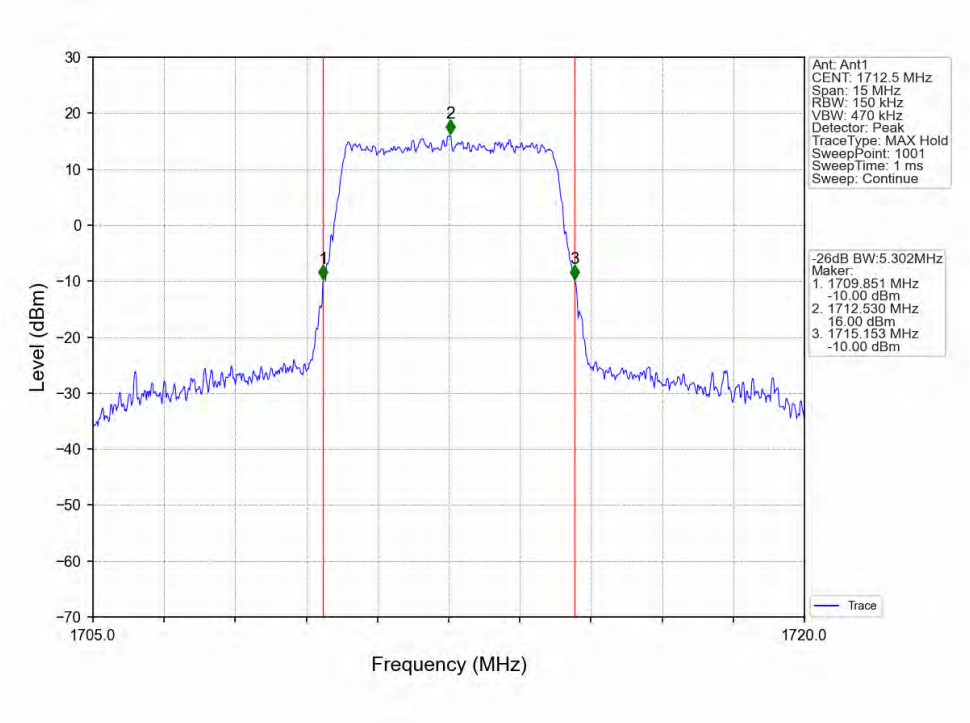
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



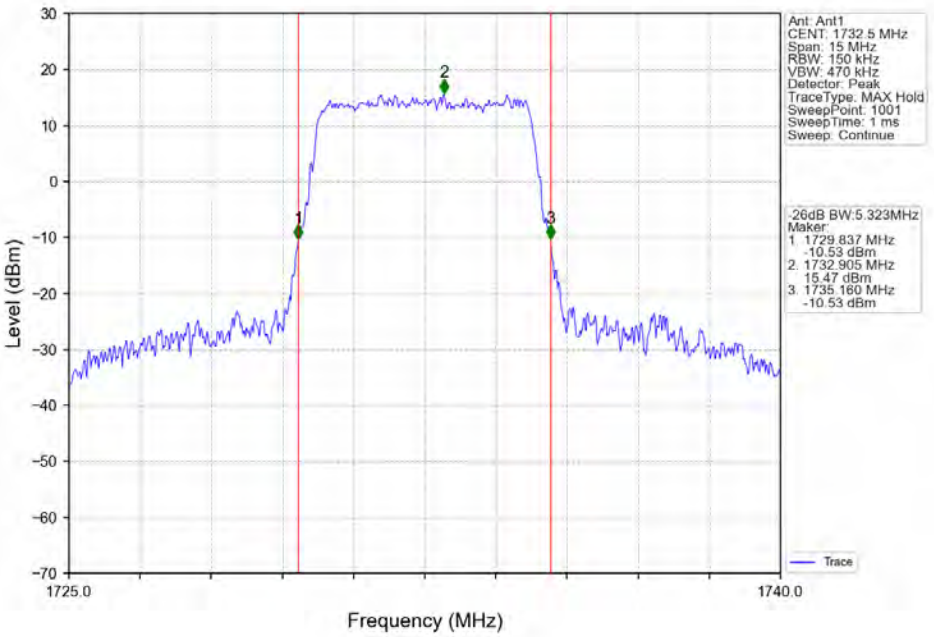
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



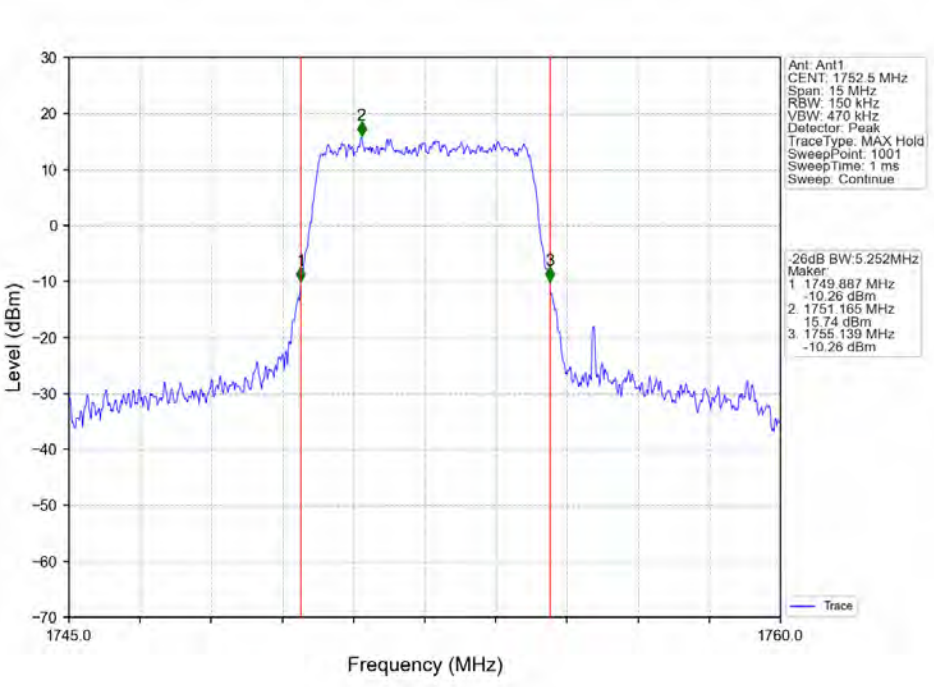
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



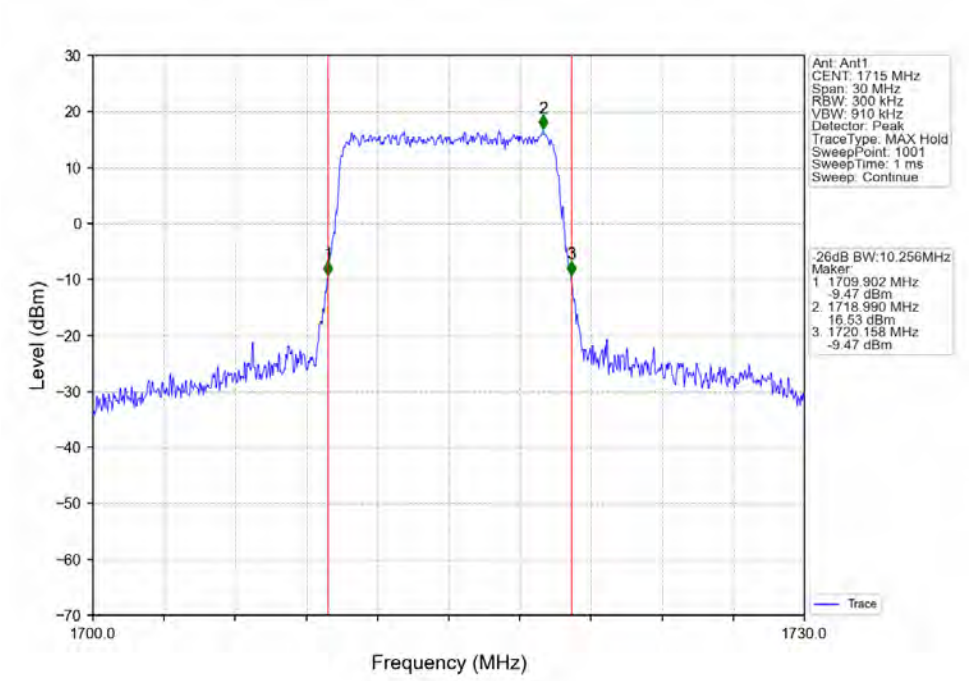
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



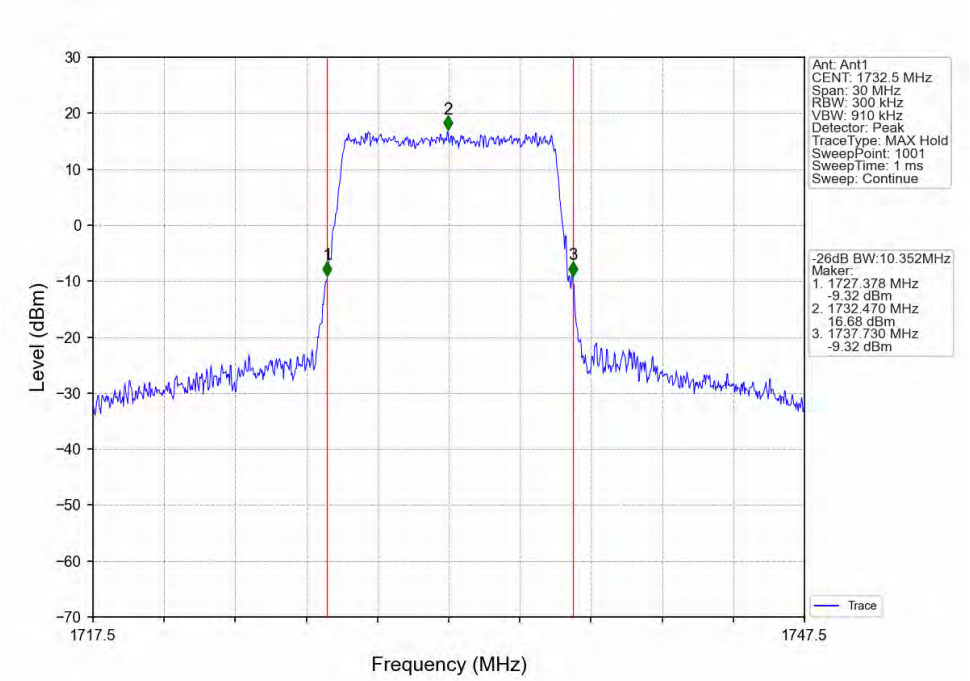
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



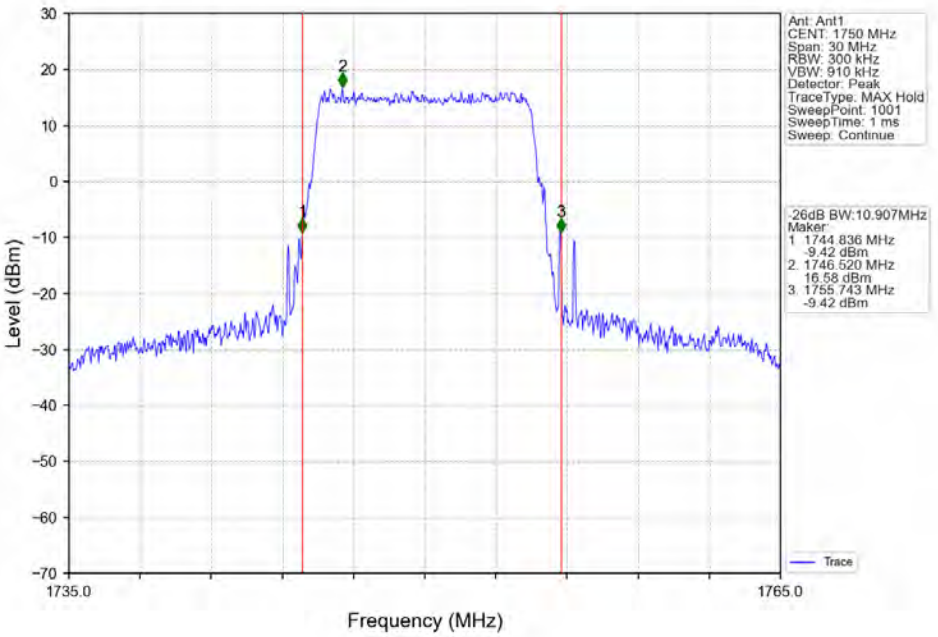
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



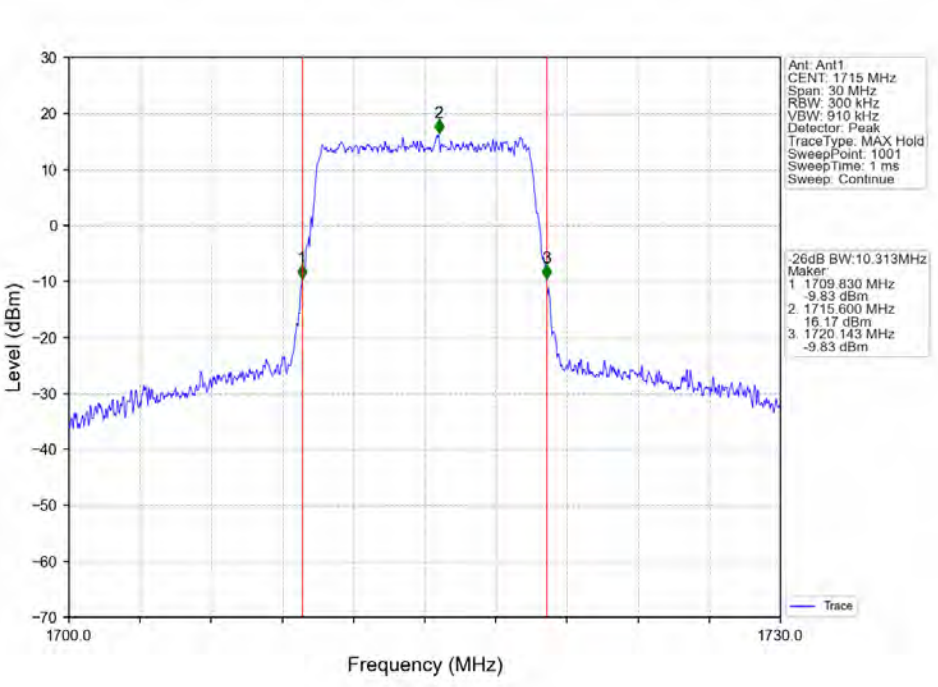
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



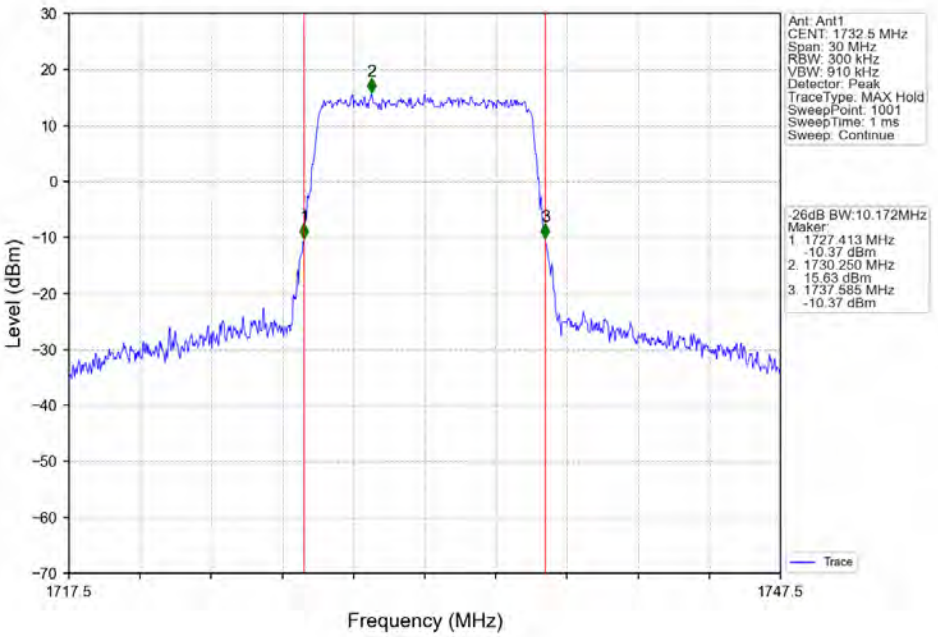
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



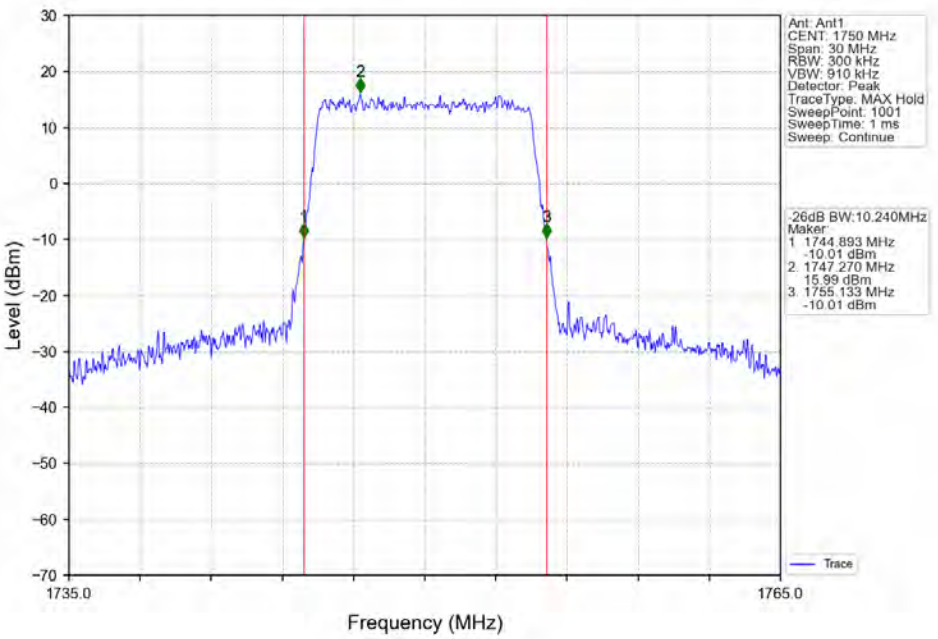
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



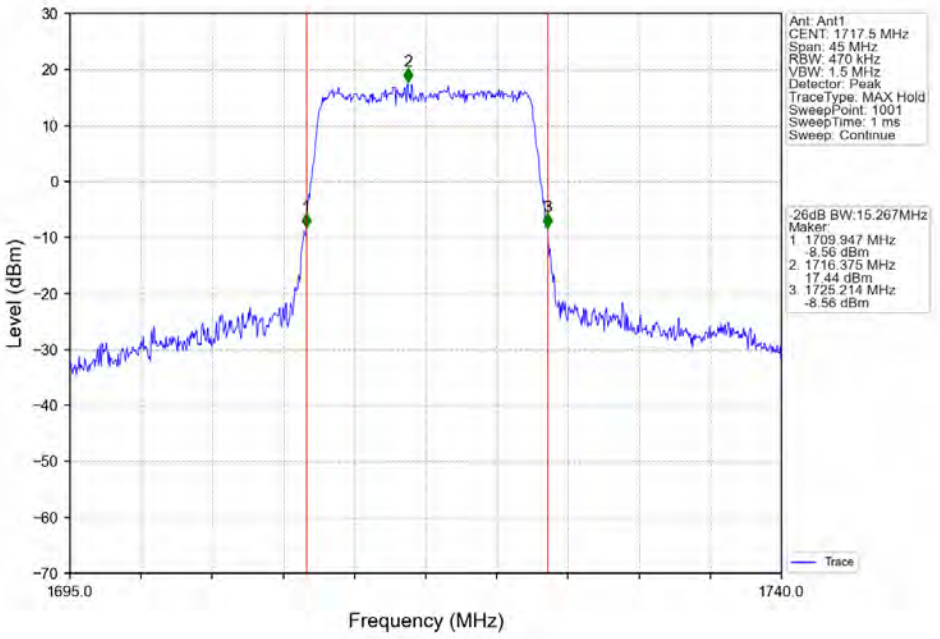
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



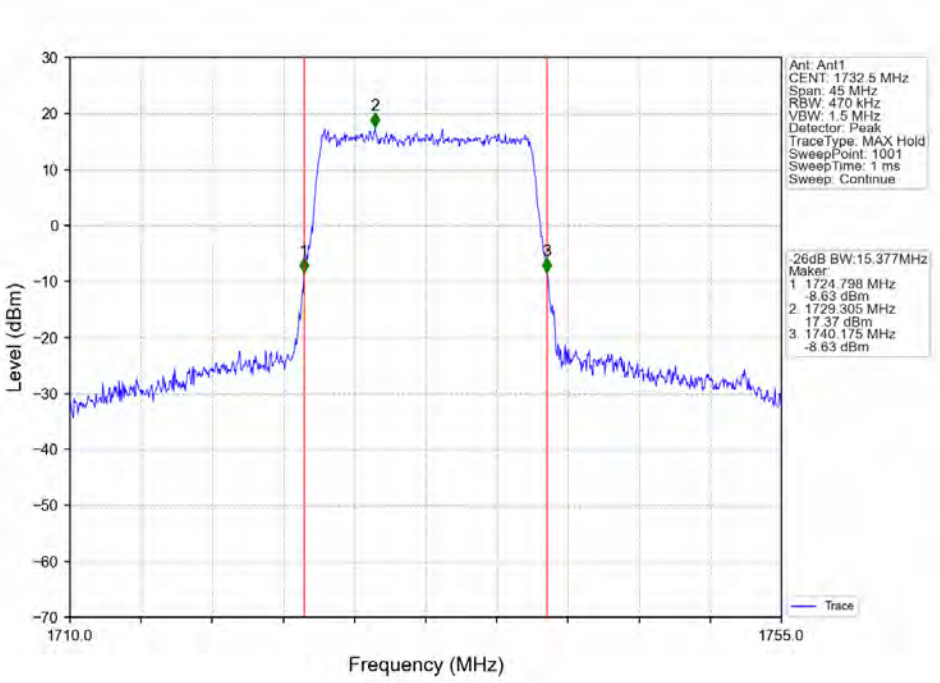
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



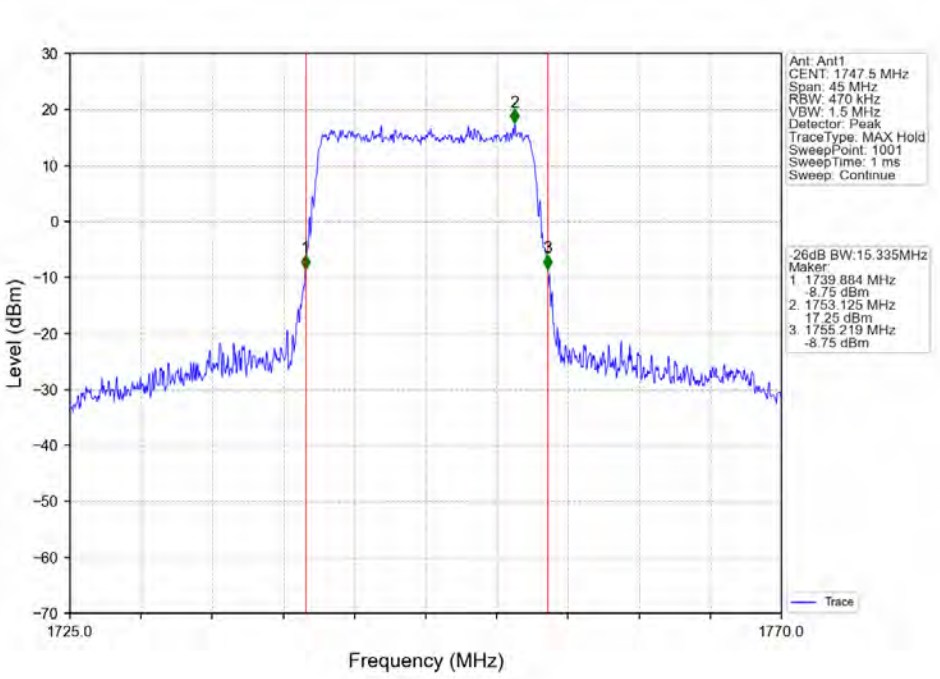
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



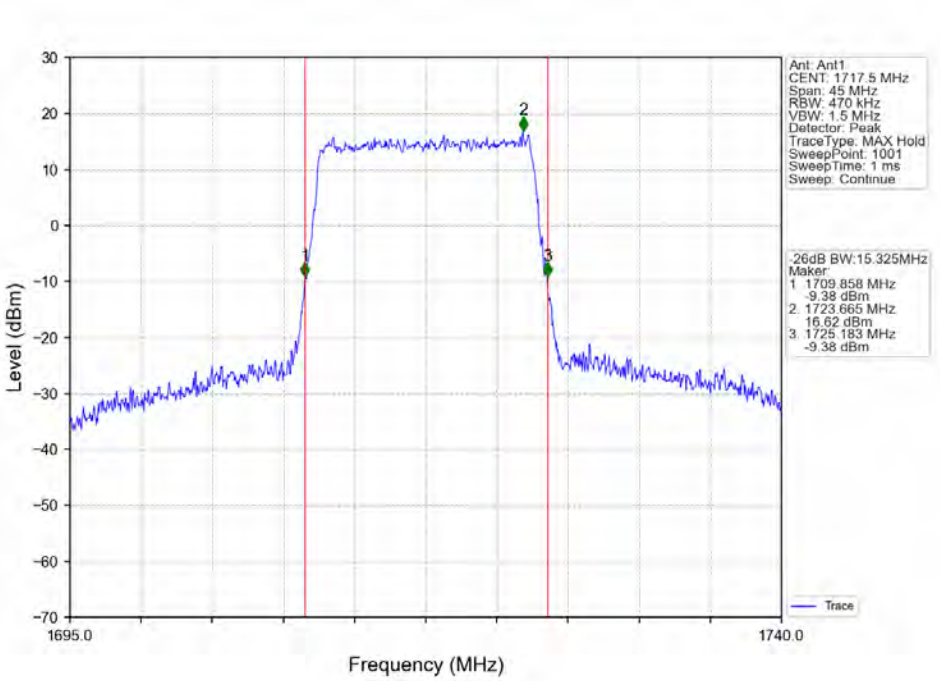
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



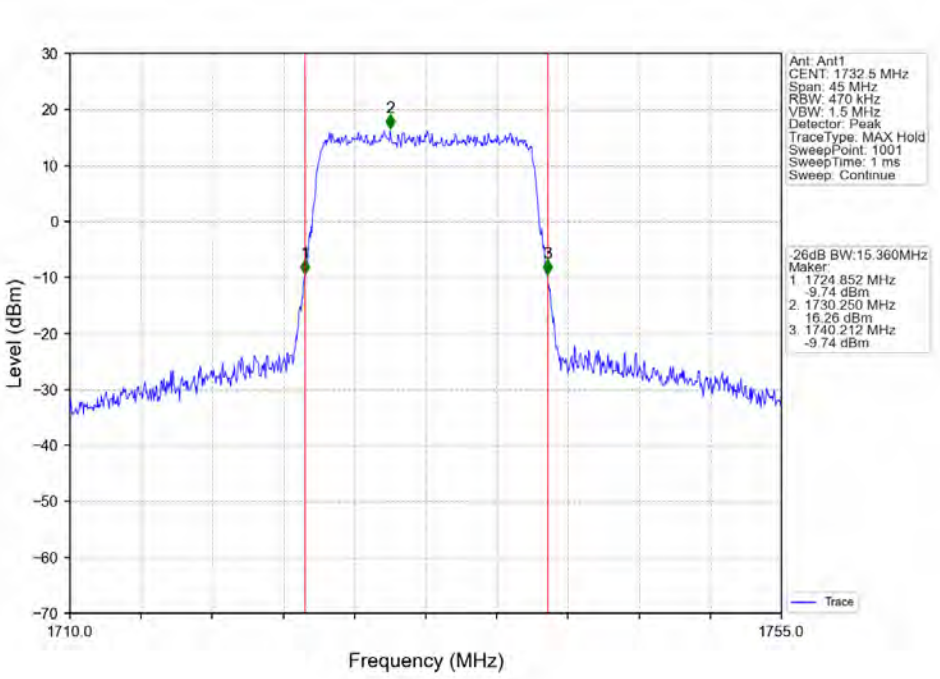
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



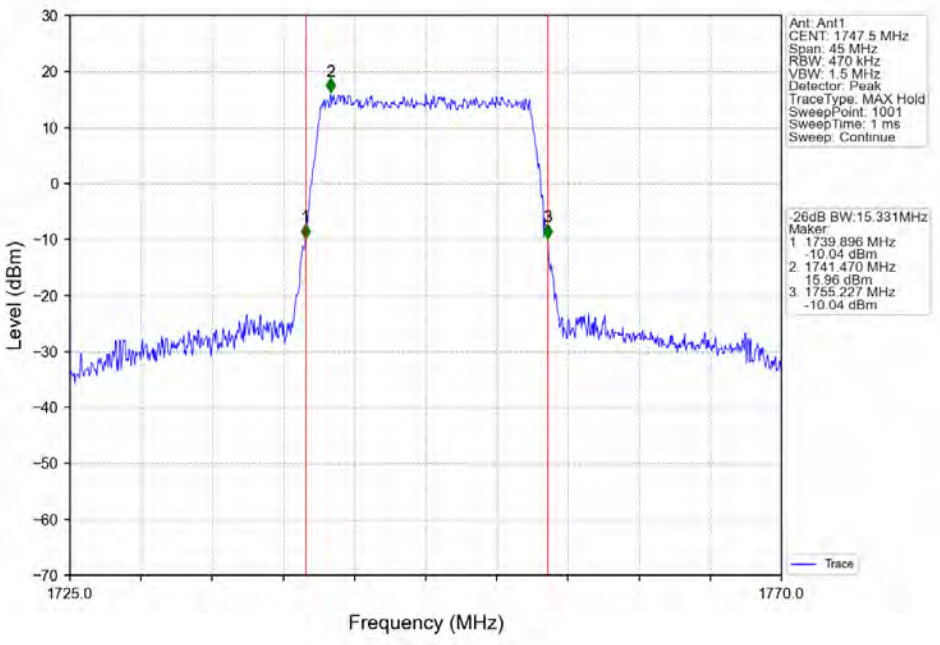
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



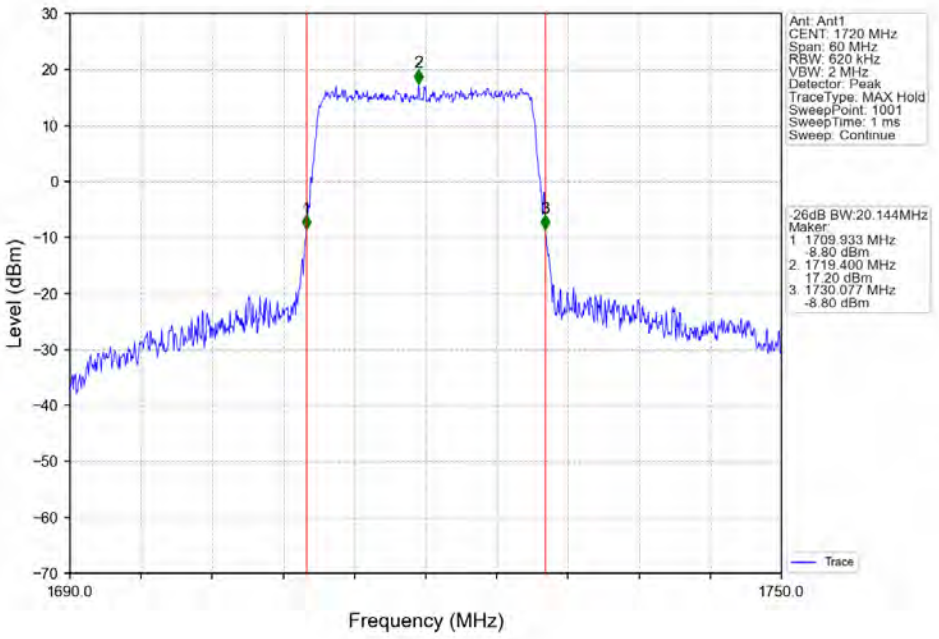
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



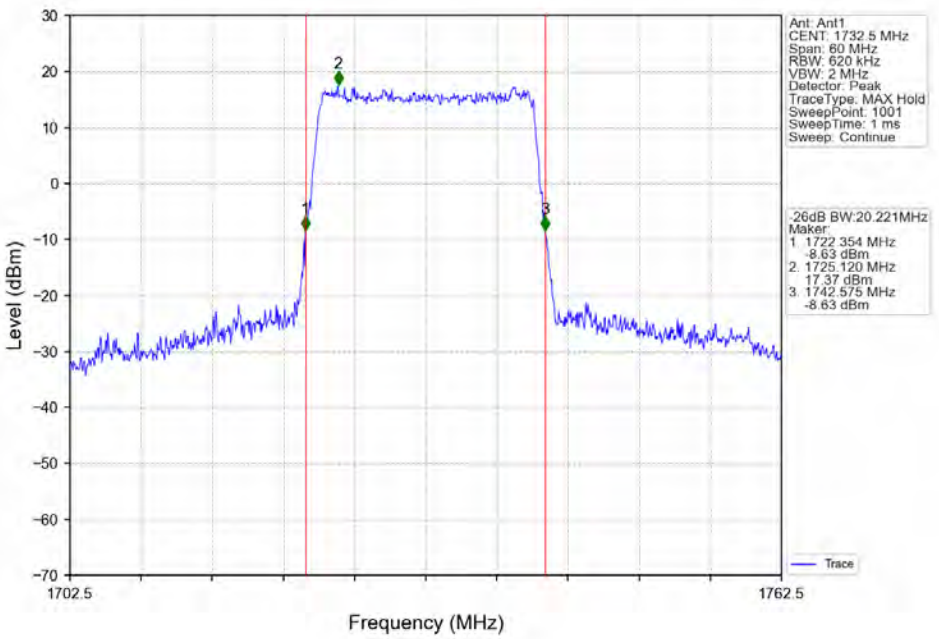
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



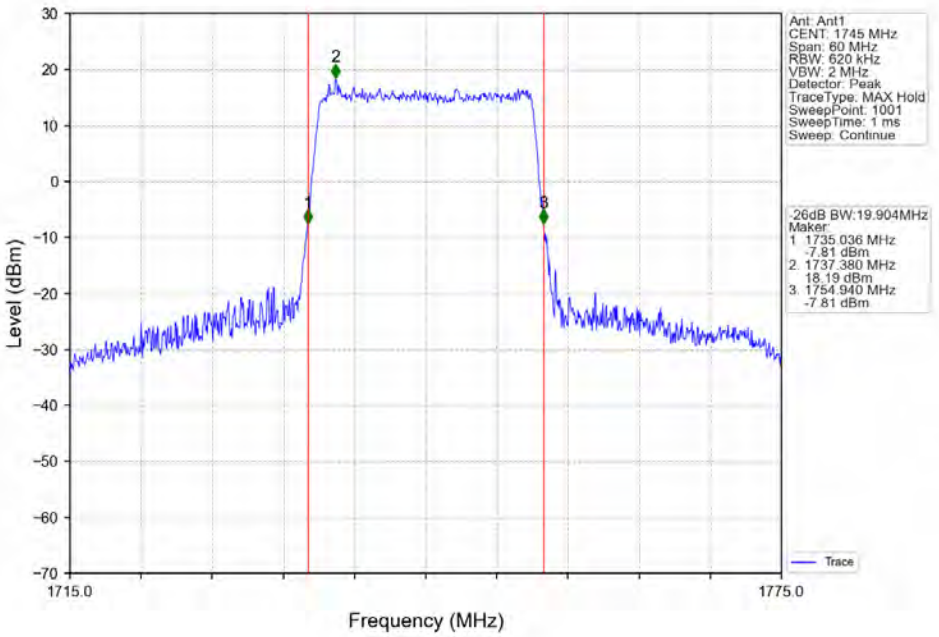
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



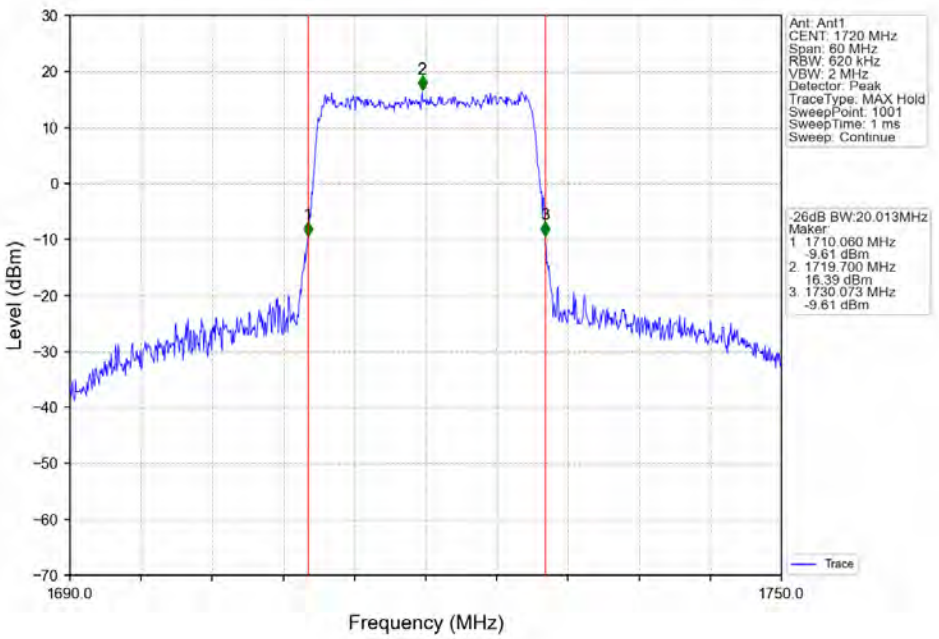
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



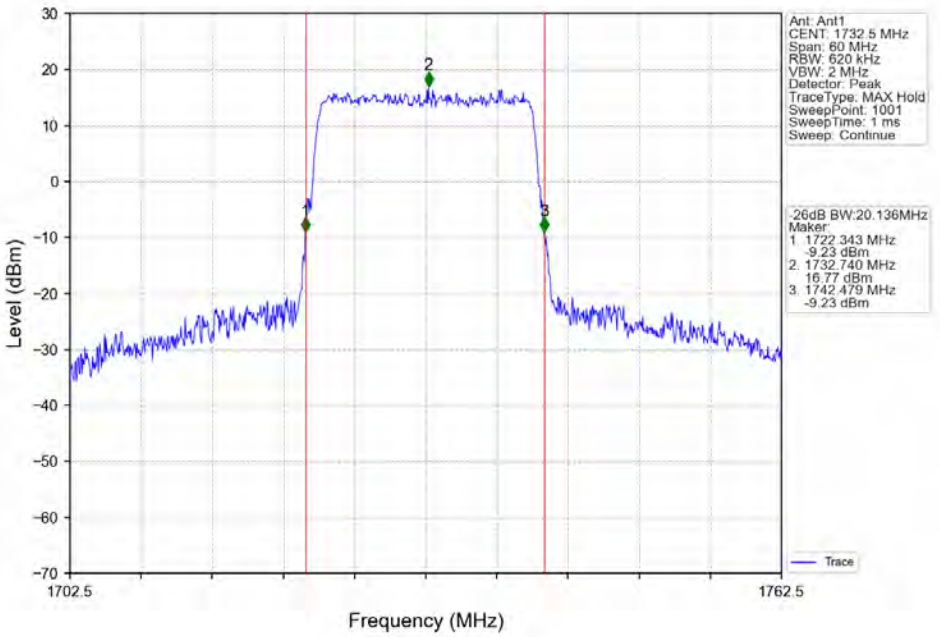
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



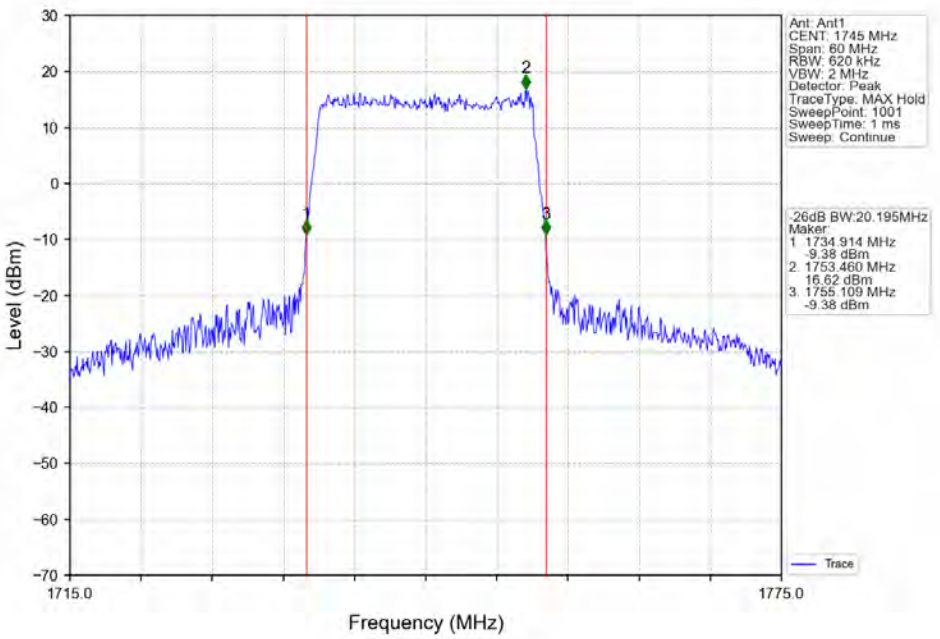
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Peak-Average Ratio

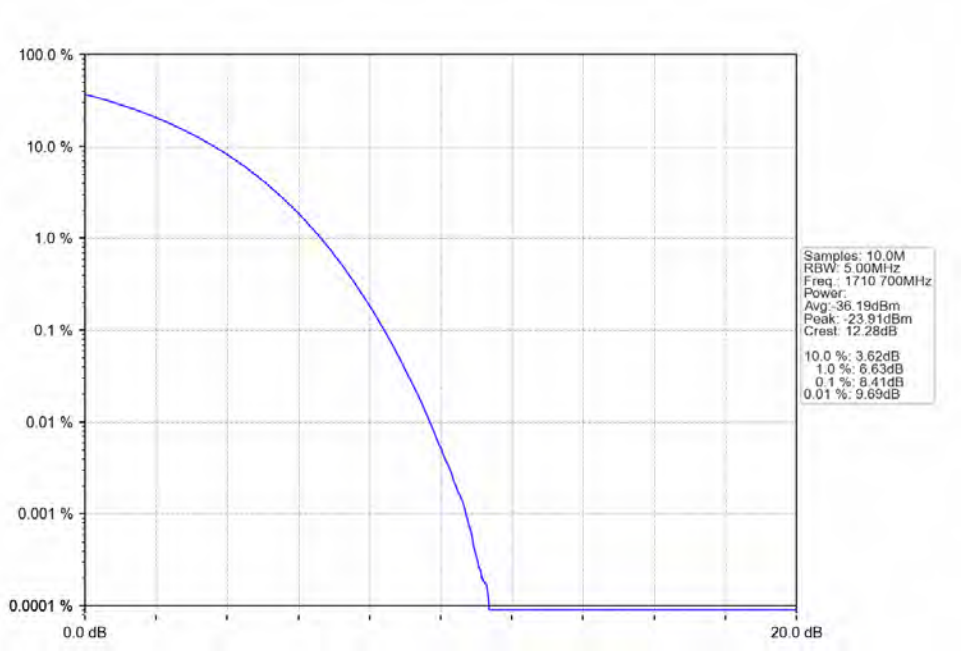
5.1 B4_1.4MHz

5.1.1 Test Result

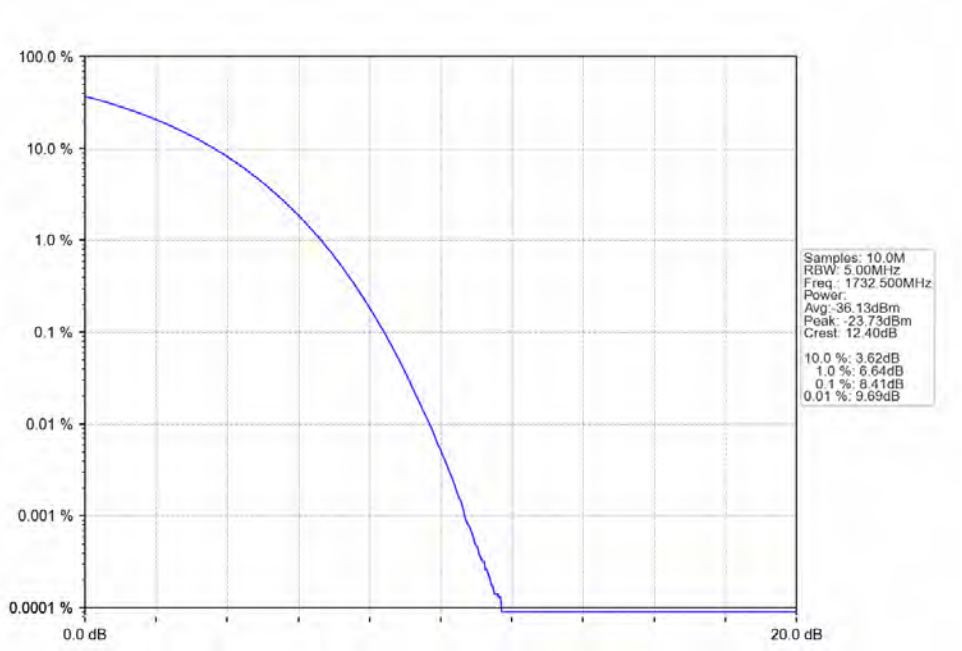
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	8.41	<=13	Pass
	1732.5	6	0	8.41	<=13	Pass
	1754.3	6	0	8.40	<=13	Pass
16QAM	1710.7	6	0	8.40	<=13	Pass
	1732.5	6	0	8.39	<=13	Pass
	1754.3	6	0	8.39	<=13	Pass

5.1.2 Test Graph

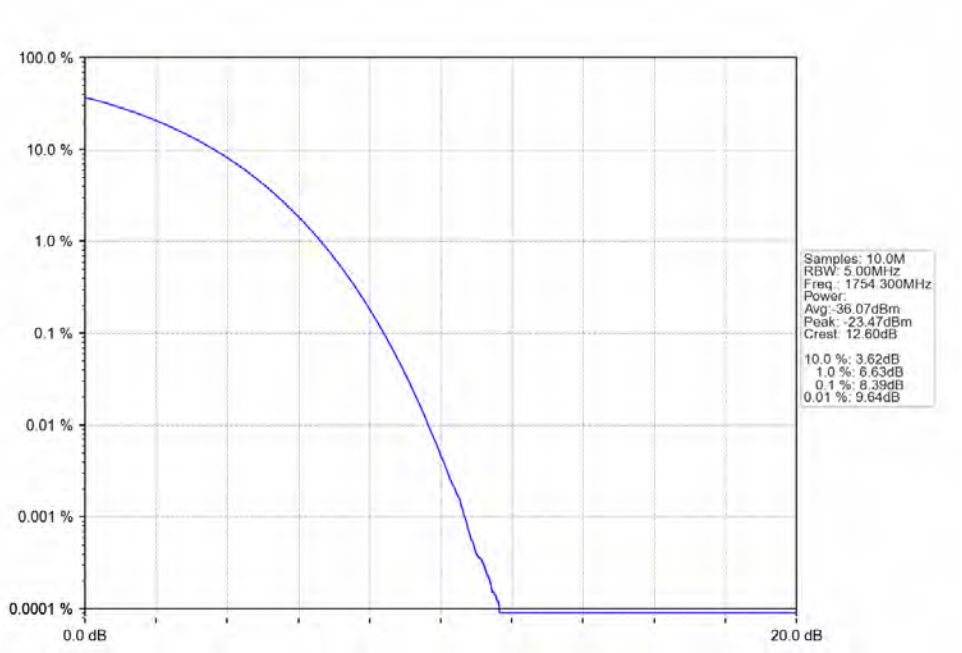
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



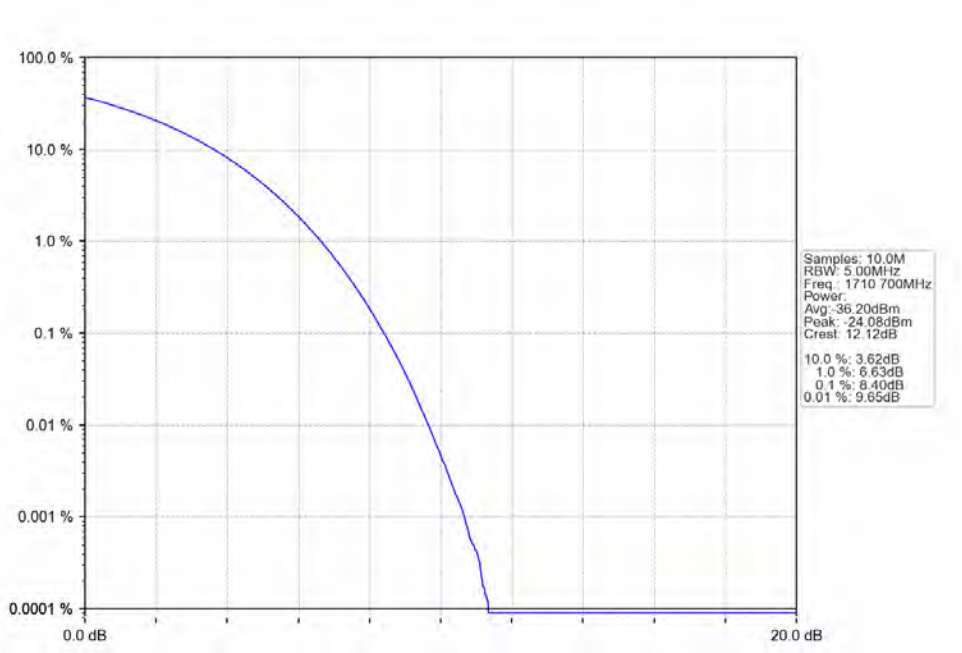
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



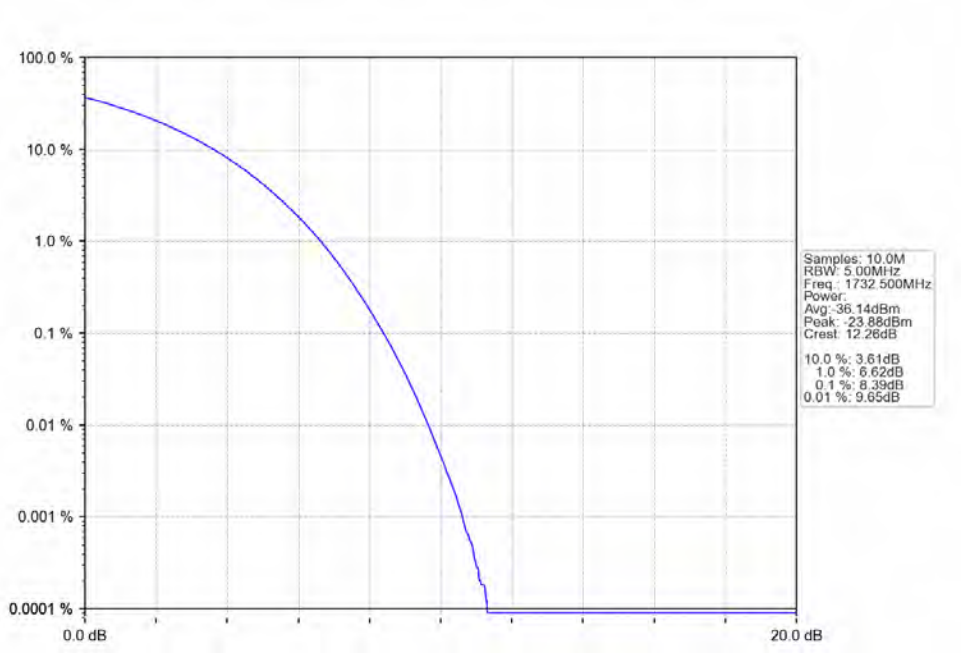
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



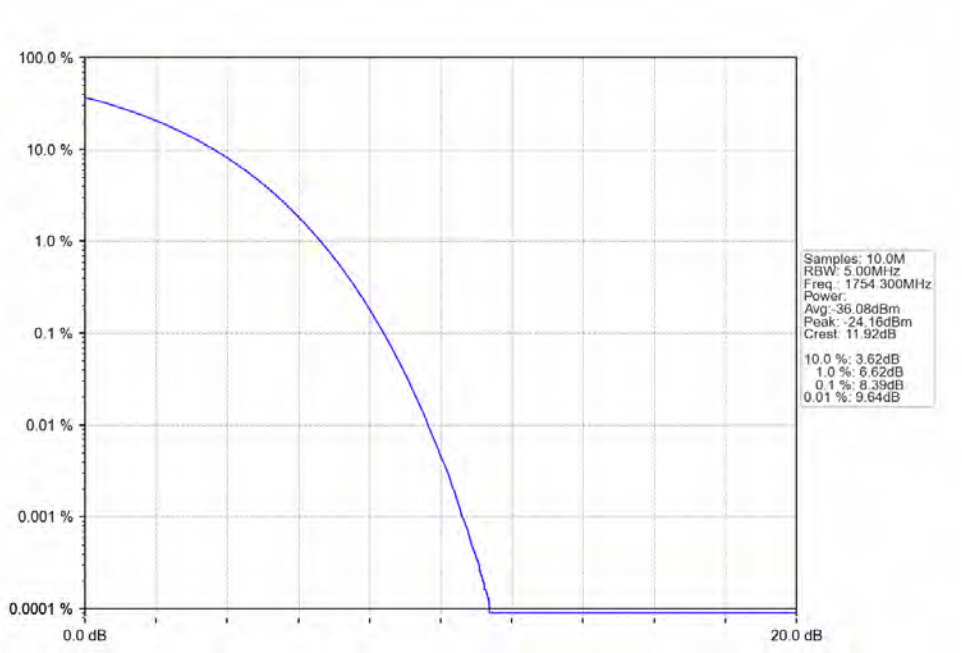
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



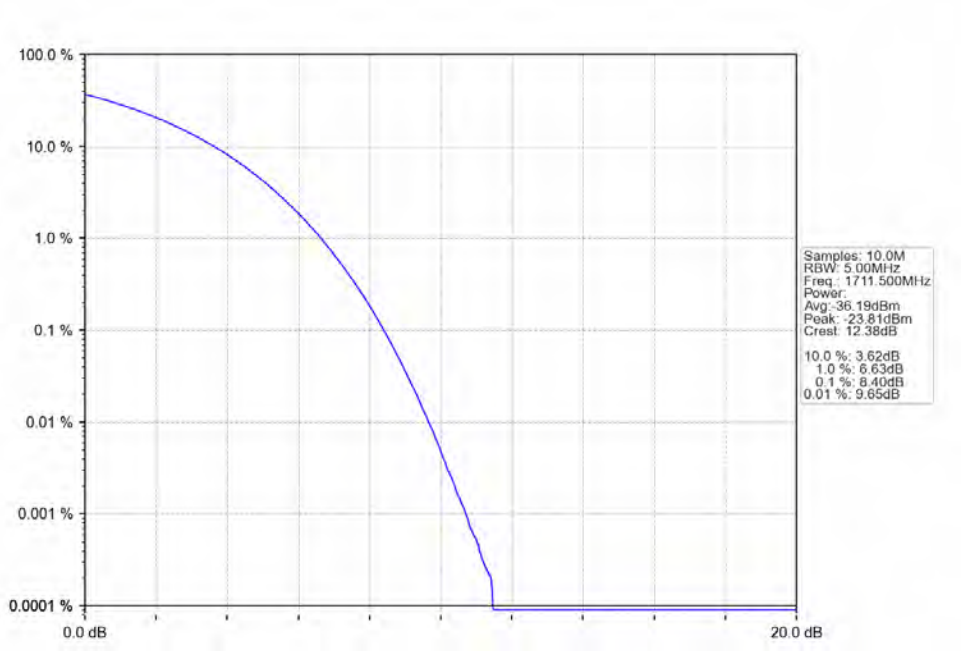
5.2 B4_3MHz

5.2.1 Test Result

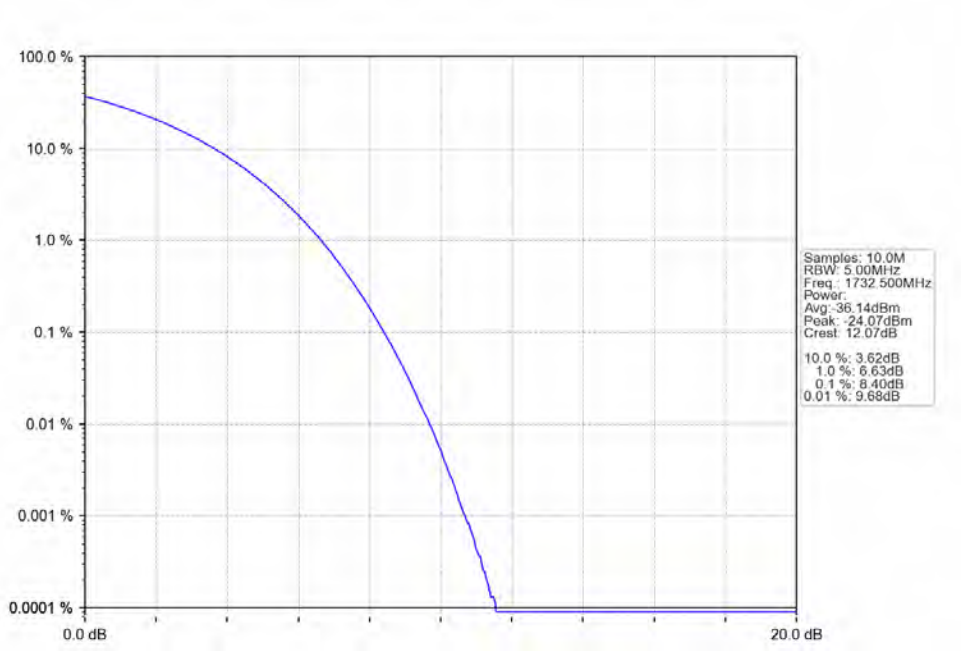
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	8.40	<=13	Pass
	1732.5	15	0	8.40	<=13	Pass
	1753.5	15	0	8.39	<=13	Pass
16QAM	1711.5	15	0	8.40	<=13	Pass
	1732.5	15	0	8.40	<=13	Pass
	1753.5	15	0	8.38	<=13	Pass

5.2.2 Test Graph

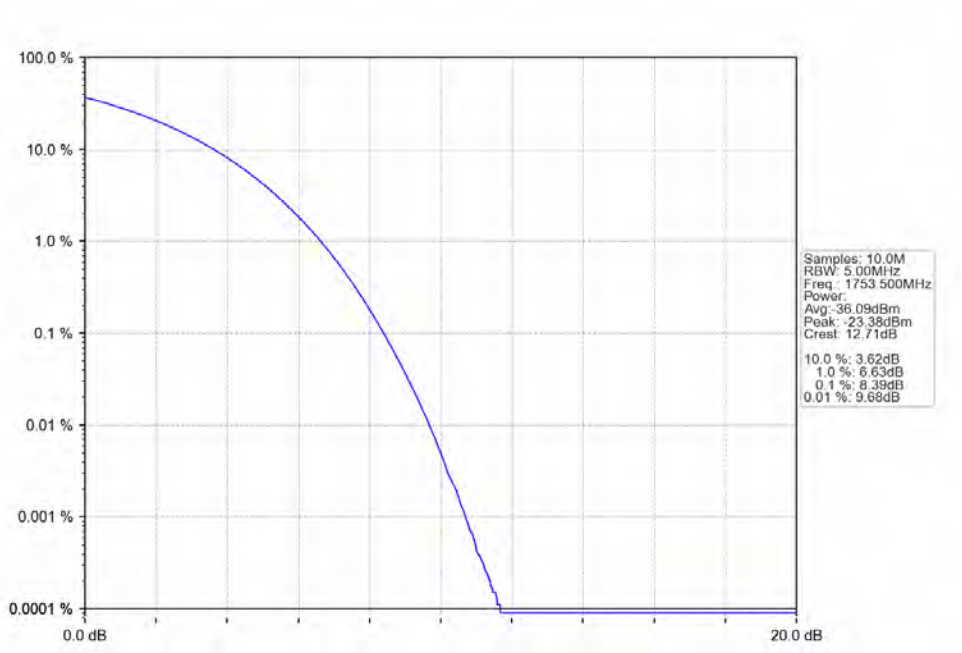
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



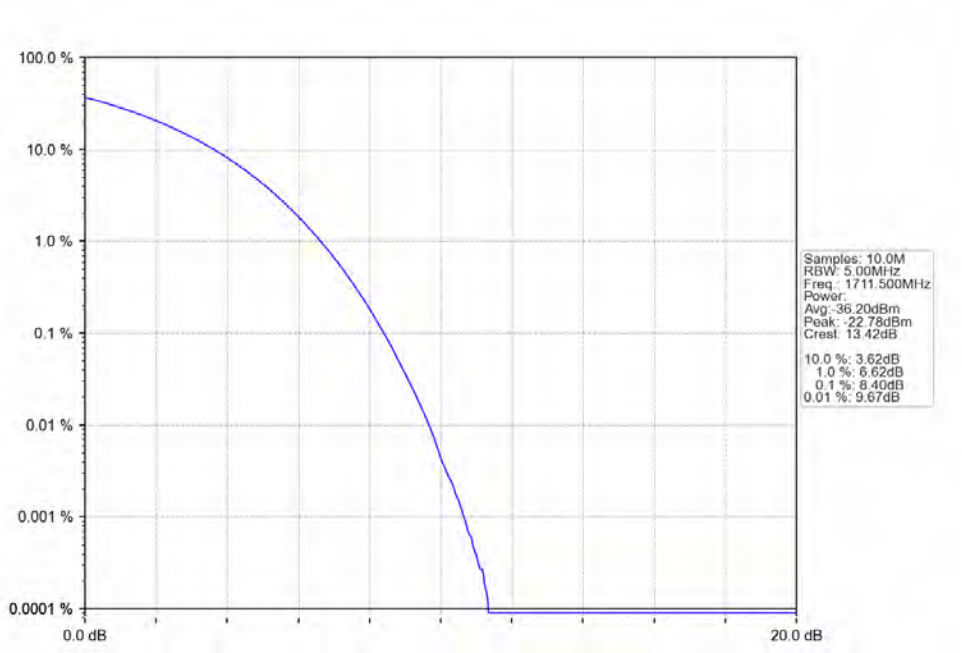
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



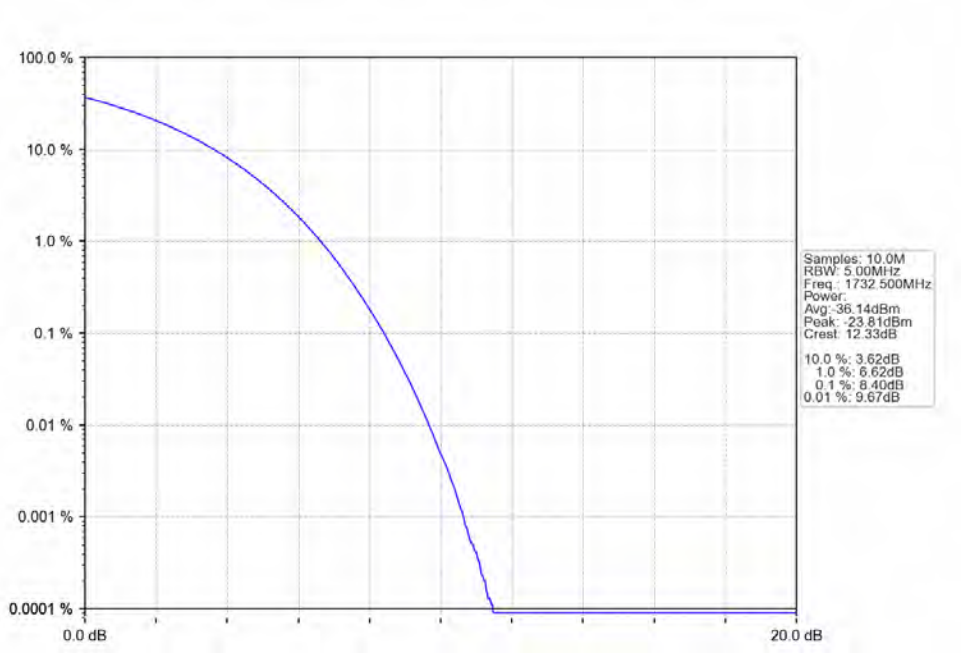
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



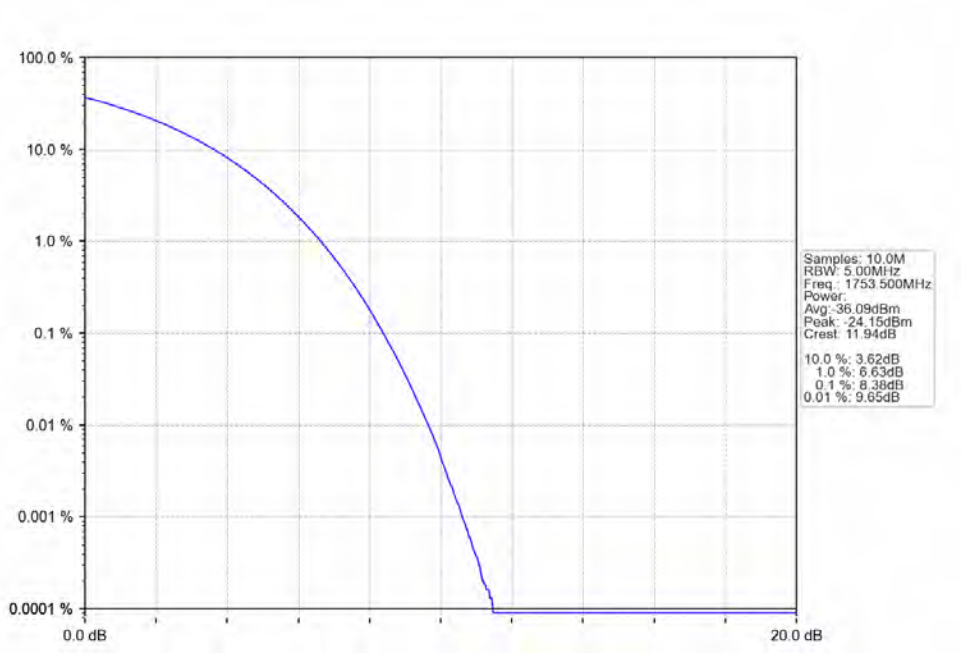
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



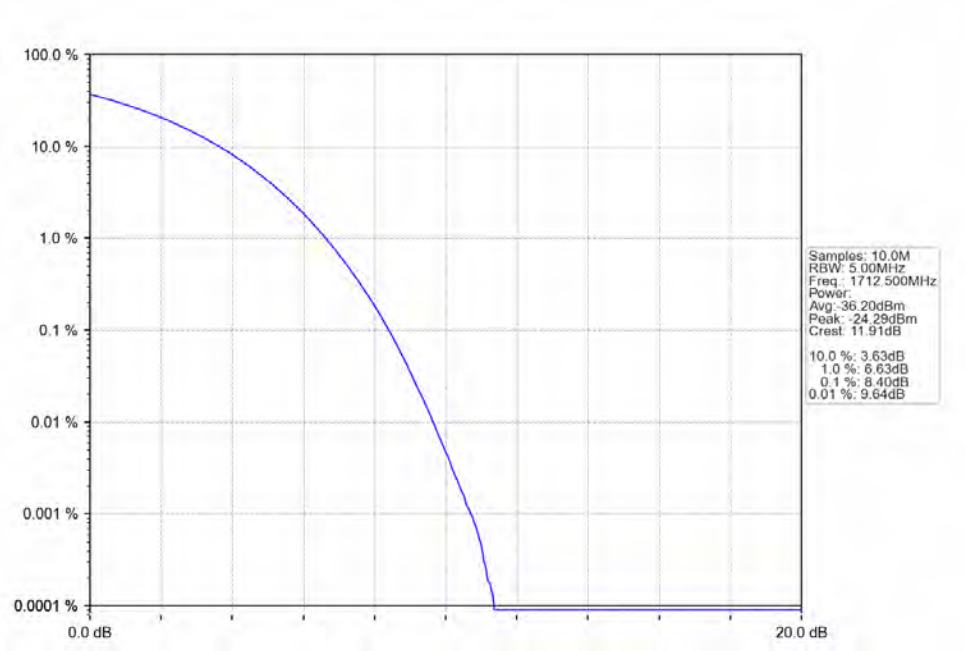
5.3 B4_5MHz

5.3.1 Test Result

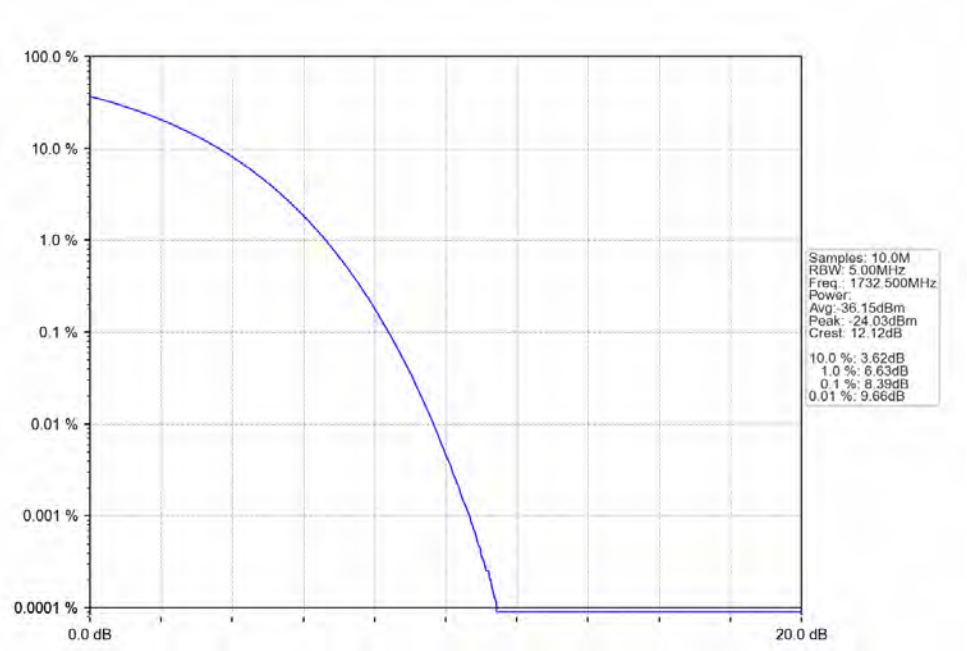
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	8.40	<=13	Pass
	1732.5	25	0	8.39	<=13	Pass
	1752.5	25	0	8.41	<=13	Pass
16QAM	1712.5	25	0	8.41	<=13	Pass
	1732.5	25	0	8.40	<=13	Pass
	1752.5	25	0	8.39	<=13	Pass

5.3.2 Test Graph

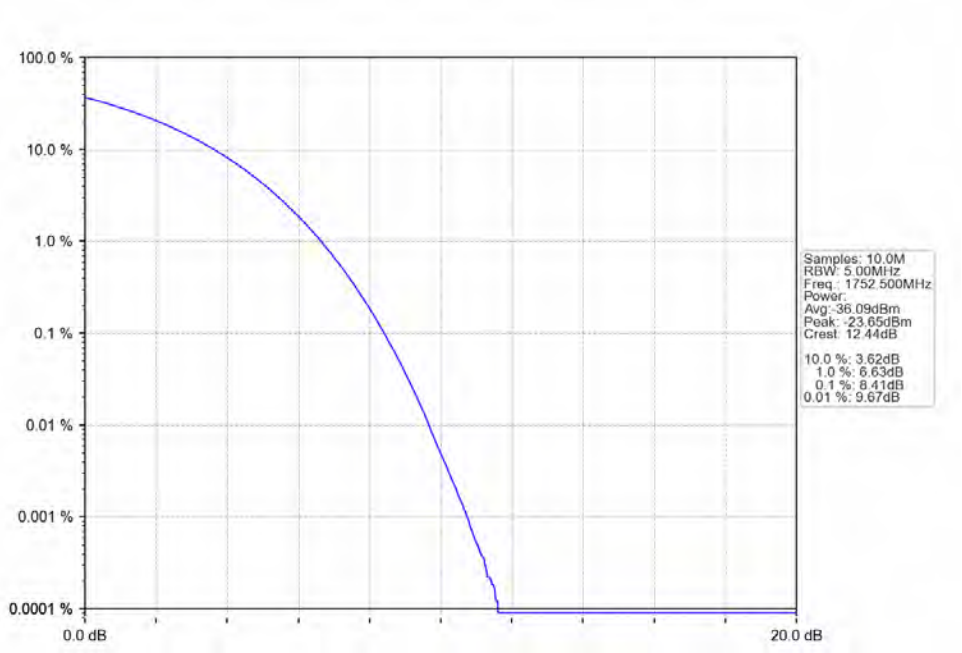
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



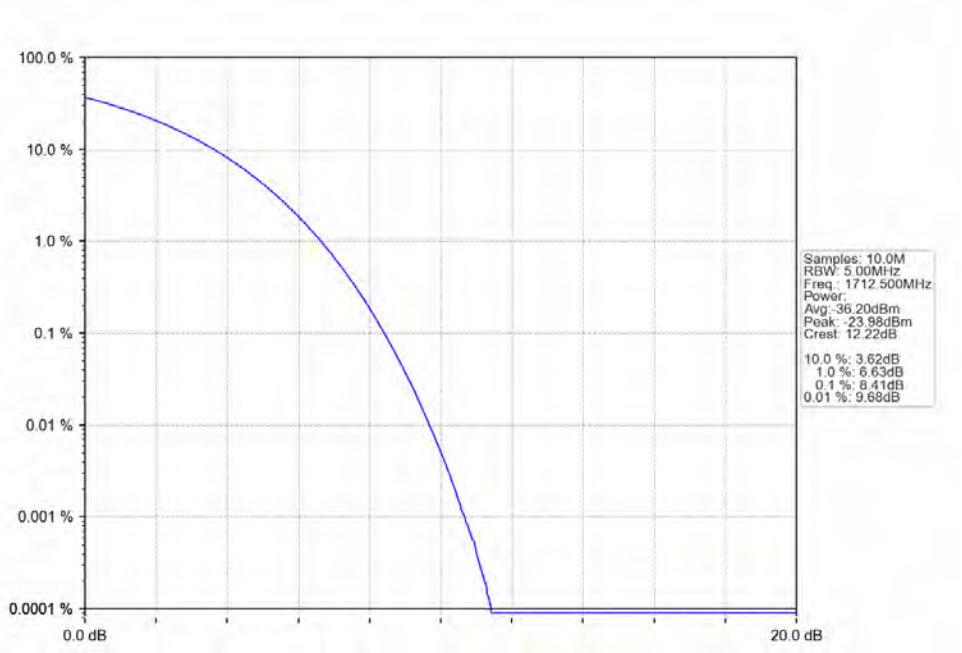
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



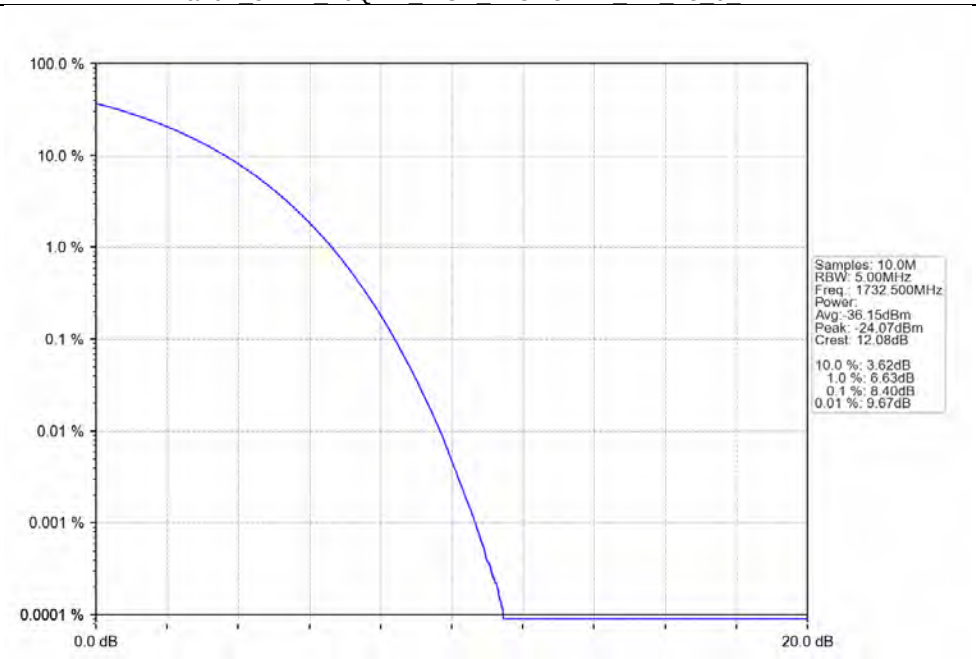
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



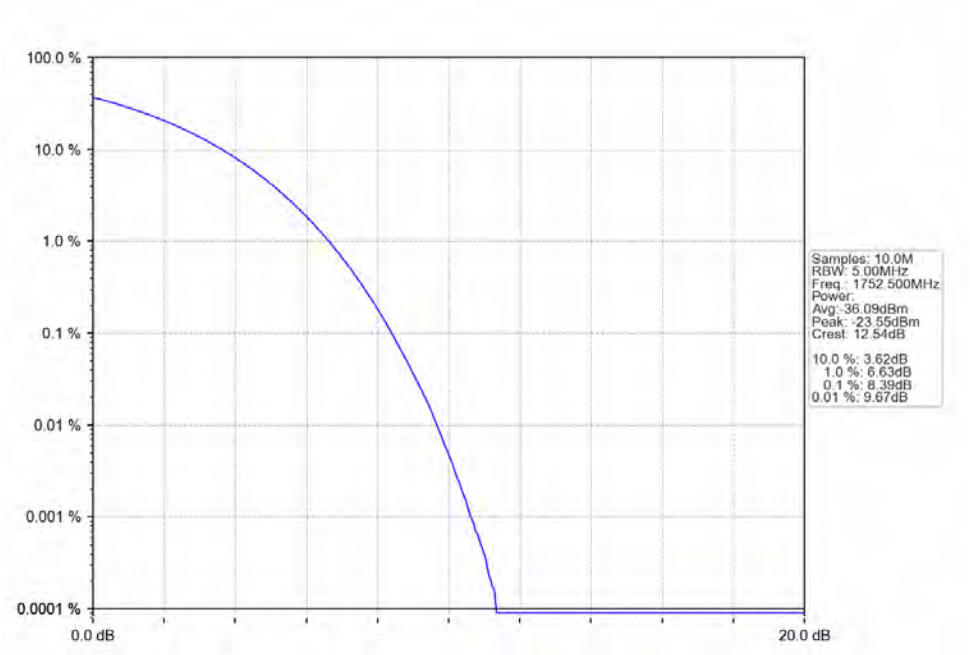
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



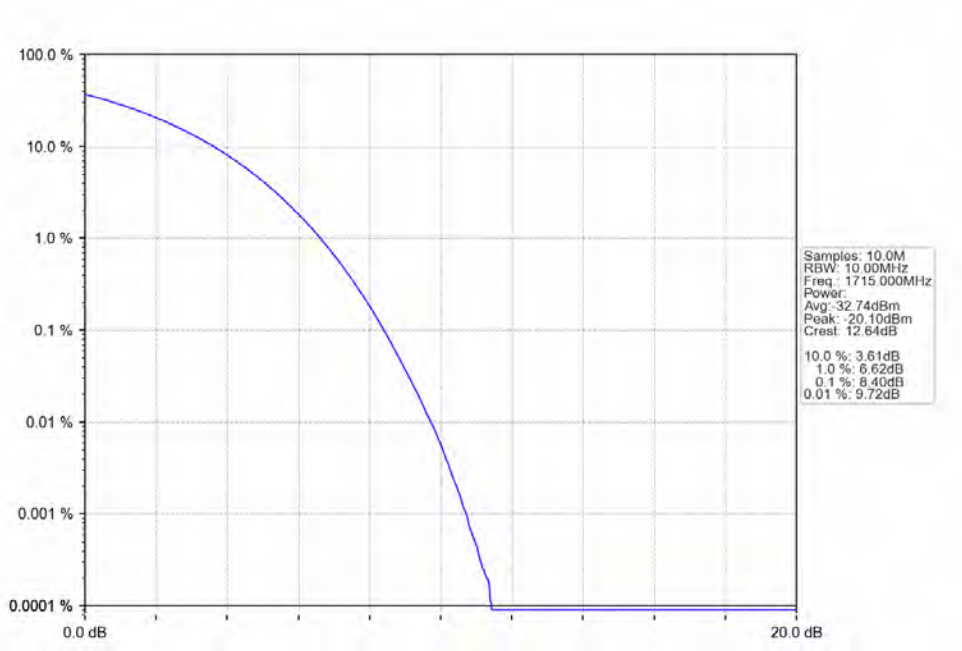
5.4 B4_10MHz

5.4.1 Test Result

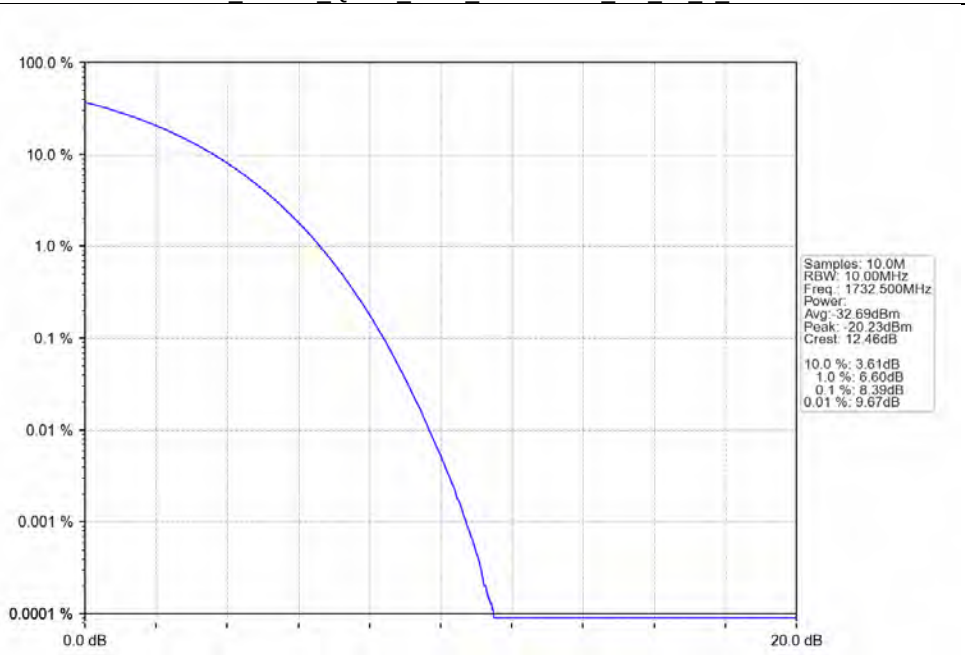
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	8.40	<=13	Pass
	1732.5	50	0	8.39	<=13	Pass
	1750	50	0	8.39	<=13	Pass
16QAM	1715	50	0	8.40	<=13	Pass
	1732.5	50	0	8.40	<=13	Pass
	1750	50	0	8.39	<=13	Pass

5.4.2 Test Graph

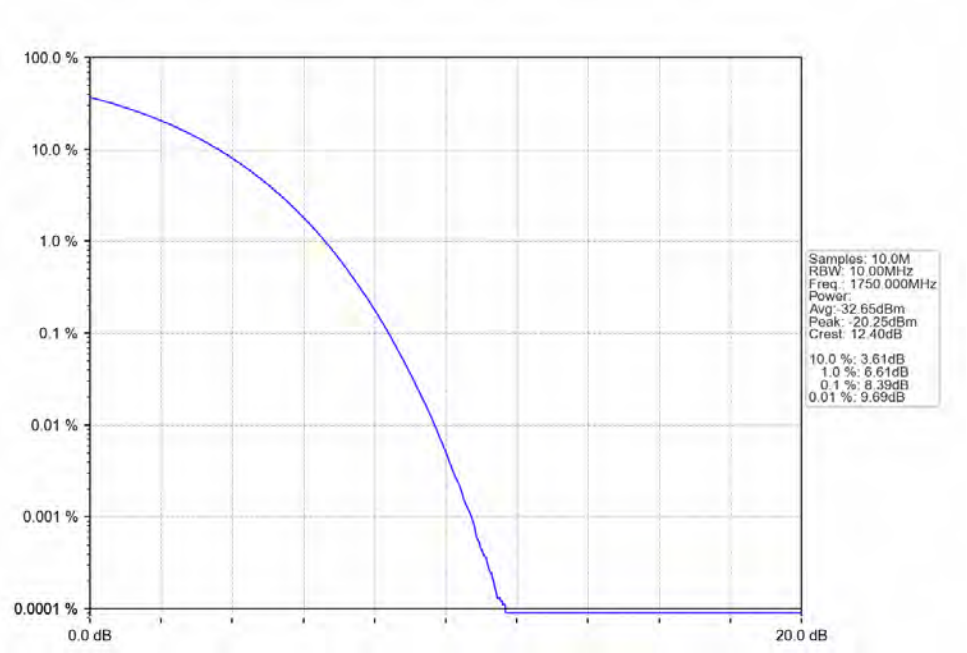
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



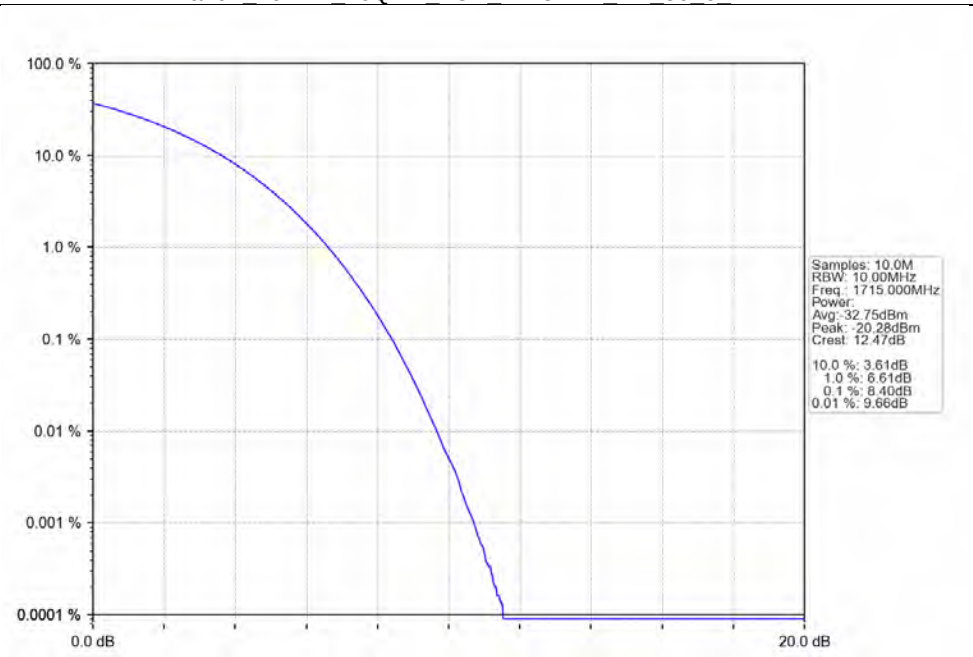
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



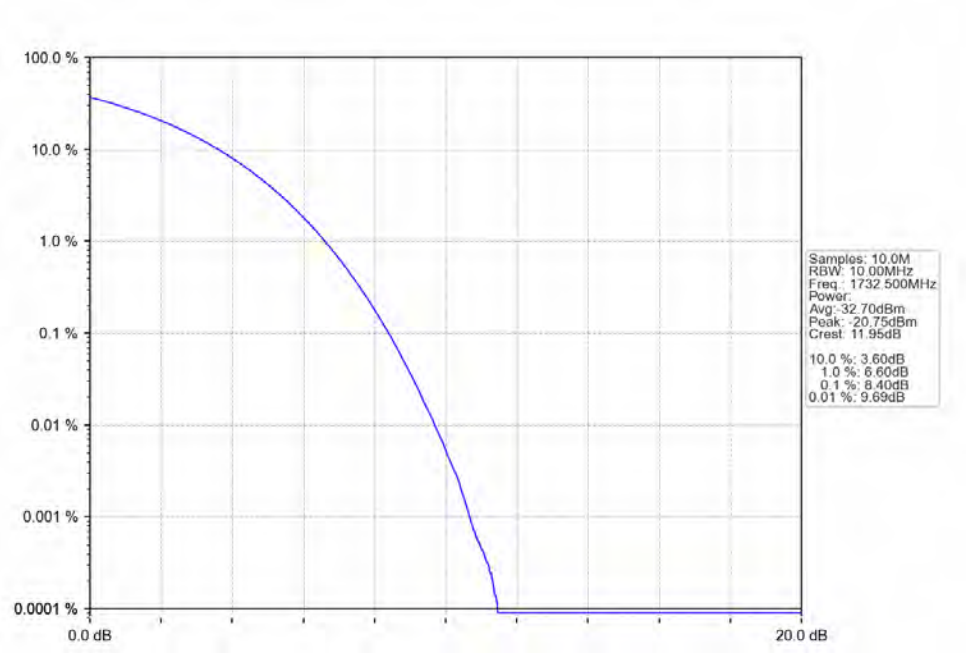
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



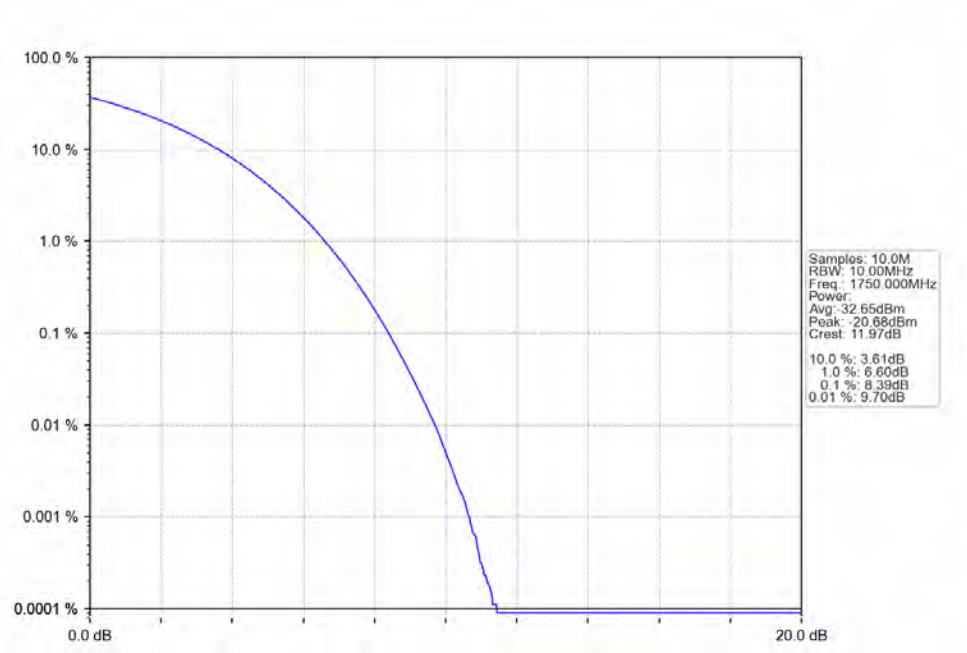
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



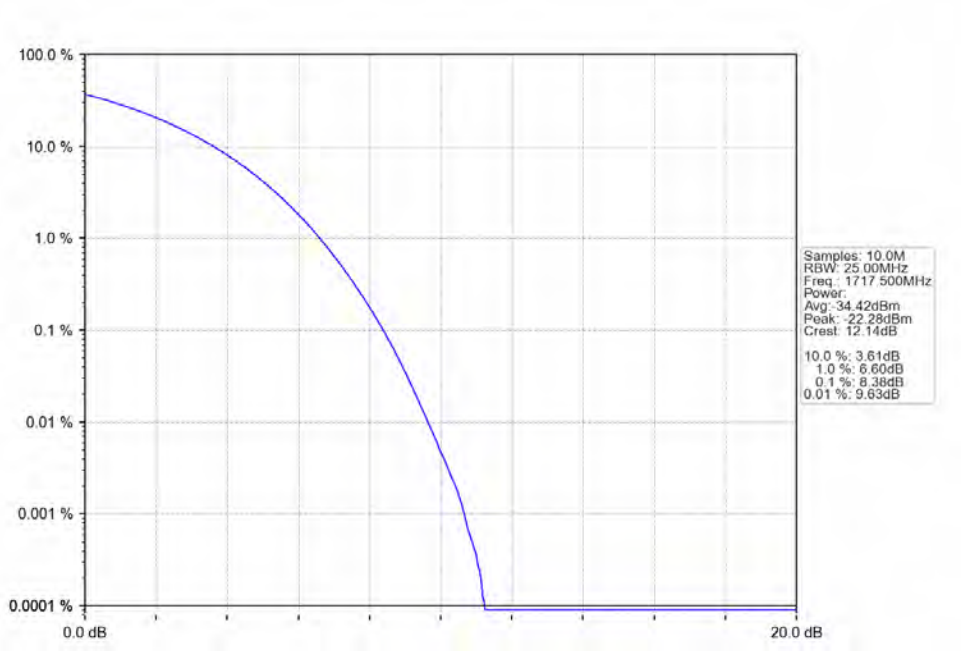
5.5 B4_15MHz

5.5.1 Test Result

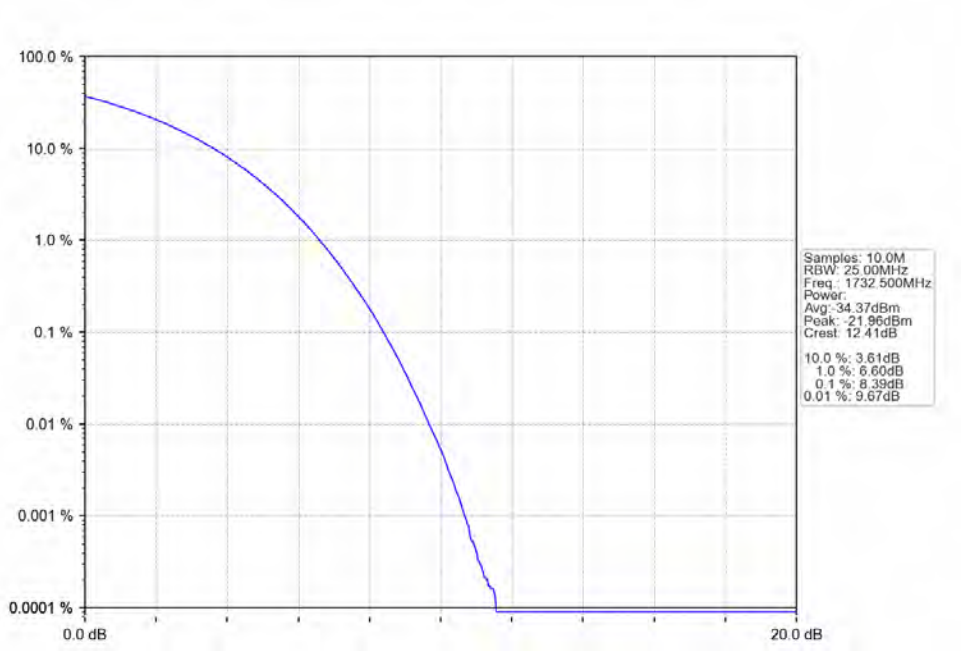
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	8.38	<=13	Pass
	1732.5	75	0	8.39	<=13	Pass
	1747.5	75	0	8.36	<=13	Pass
16QAM	1717.5	75	0	8.38	<=13	Pass
	1732.5	75	0	8.37	<=13	Pass
	1747.5	75	0	8.37	<=13	Pass

5.5.2 Test Graph

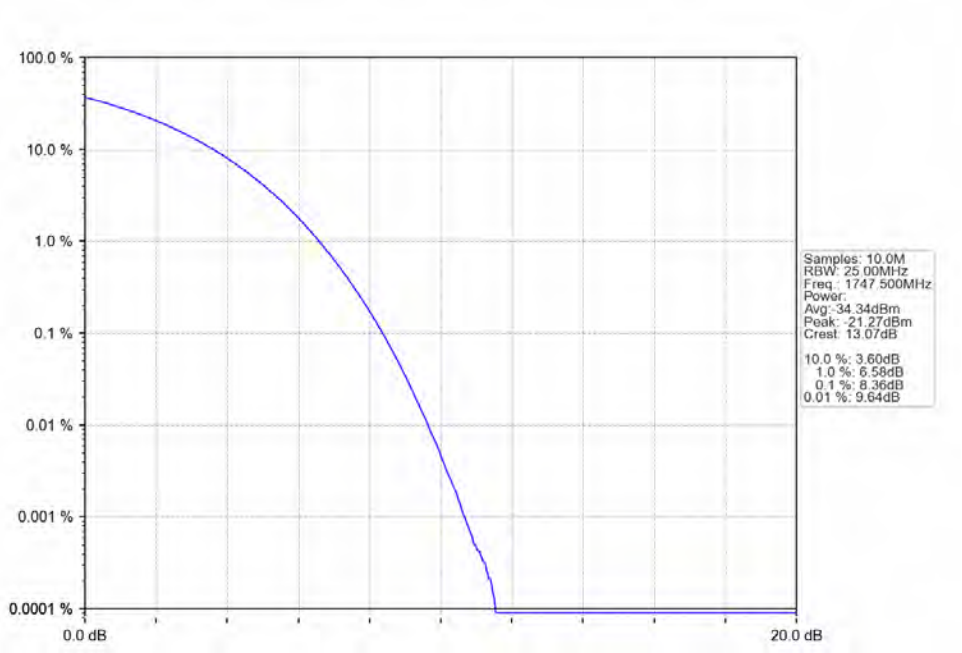
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



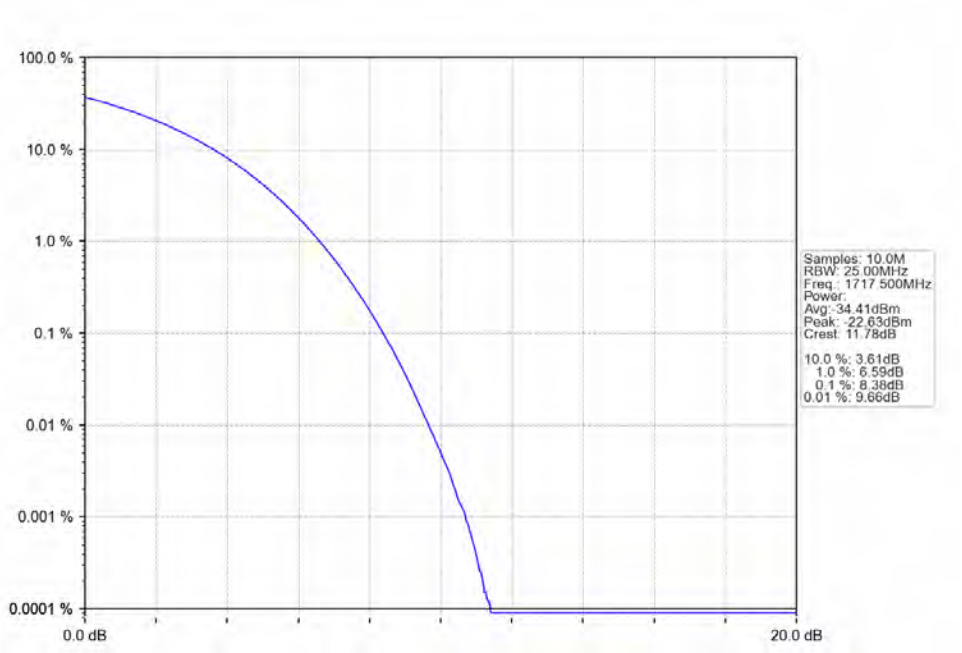
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



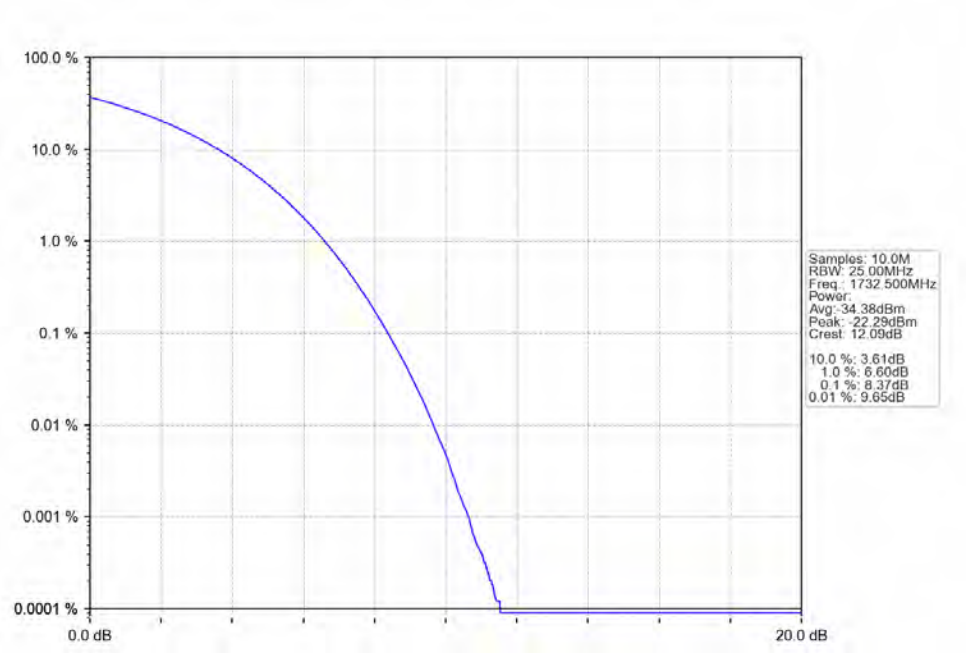
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



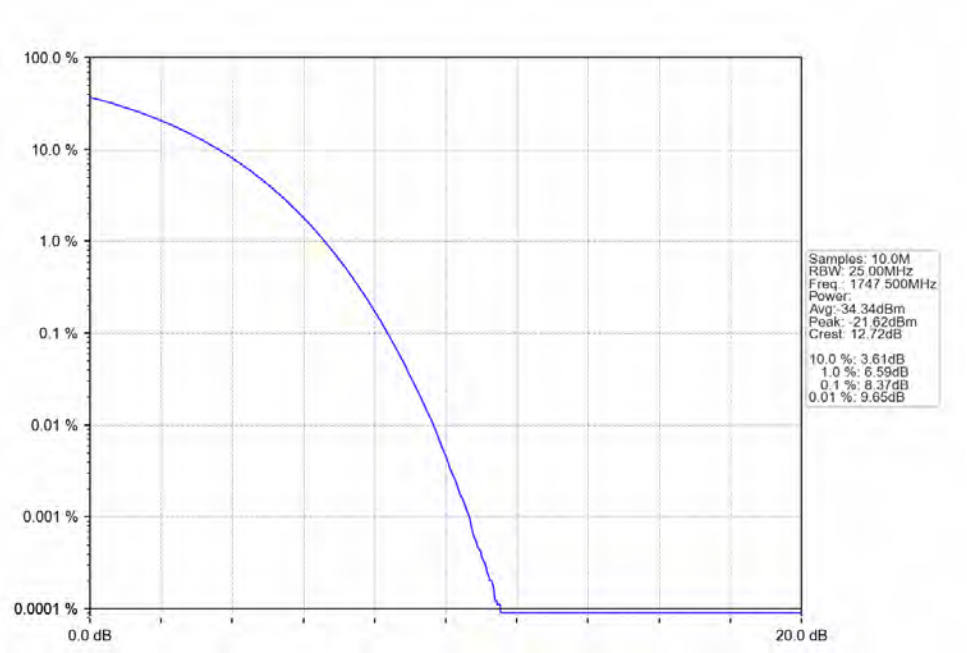
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



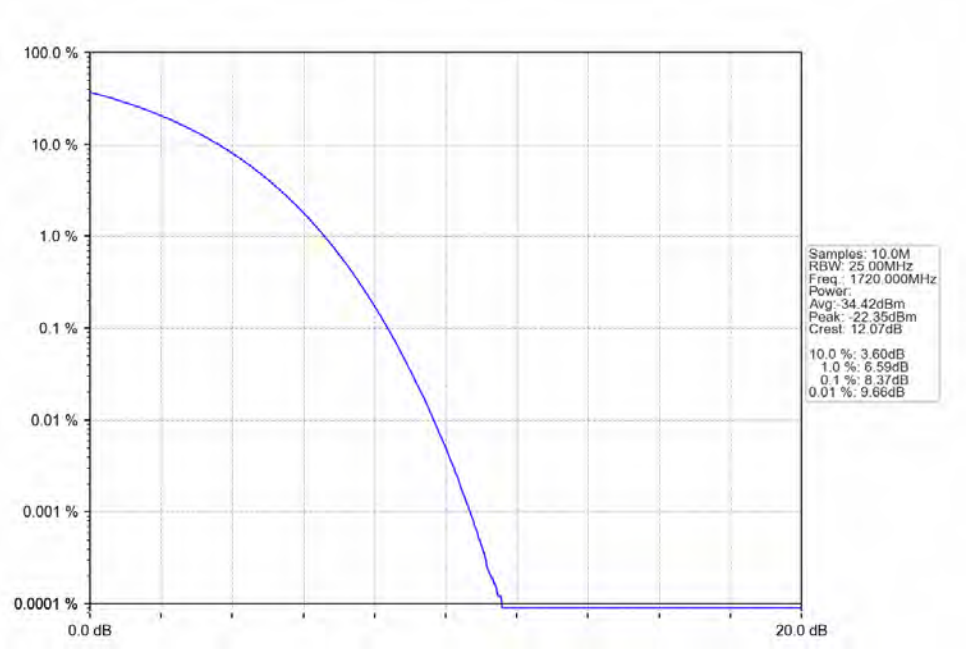
5.6 B4_20MHz

5.6.1 Test Result

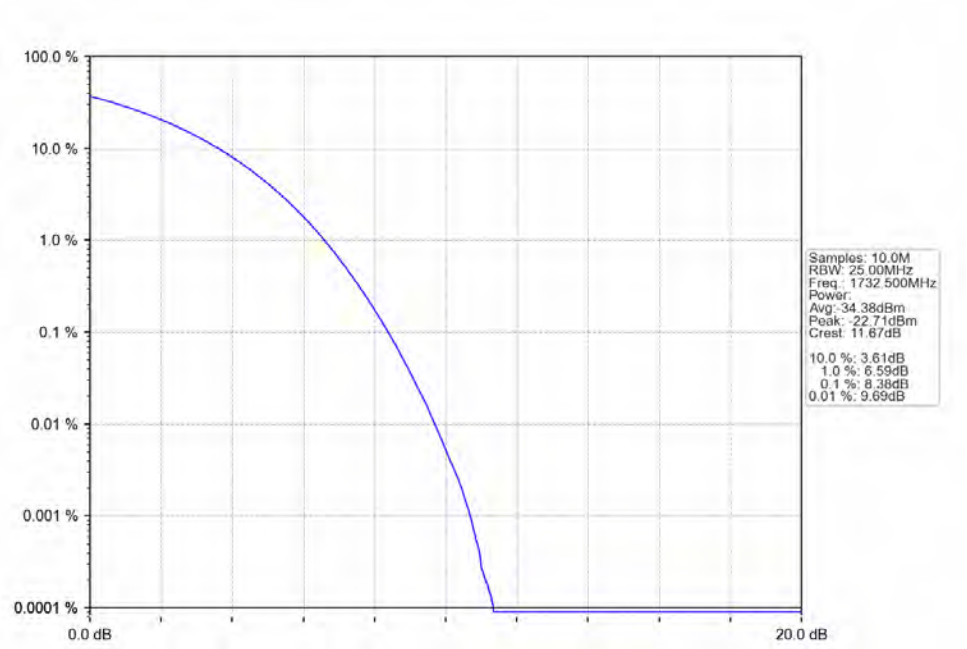
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	8.37	<=13	Pass
	1732.5	100	0	8.38	<=13	Pass
	1745	100	0	5.67	<=13	Pass
16QAM	1720	100	0	8.38	<=13	Pass
	1732.5	100	0	8.39	<=13	Pass
	1745	100	0	6.75	<=13	Pass

5.6.2 Test Graph

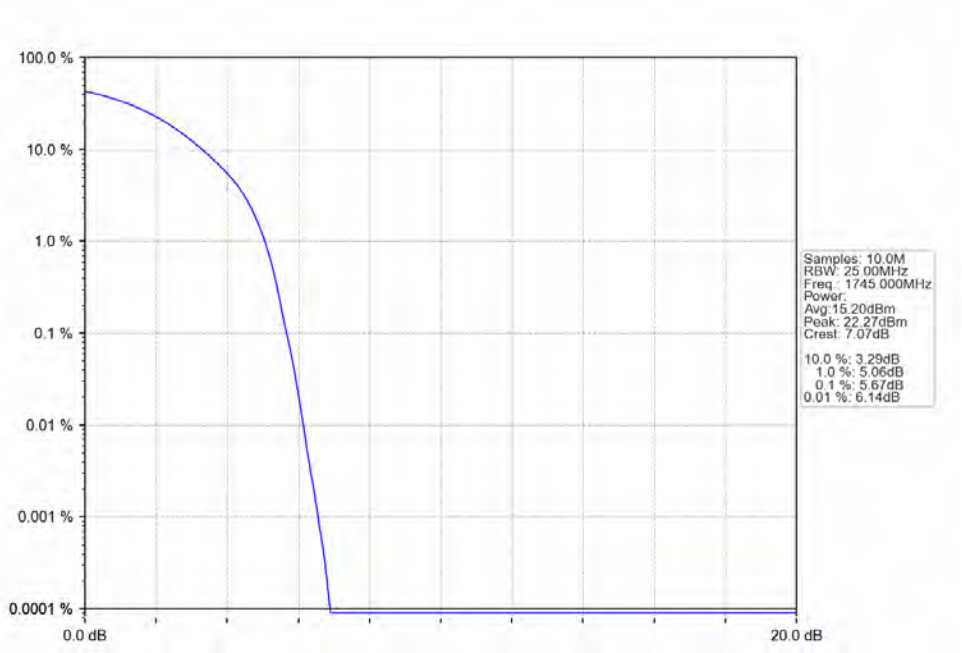
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



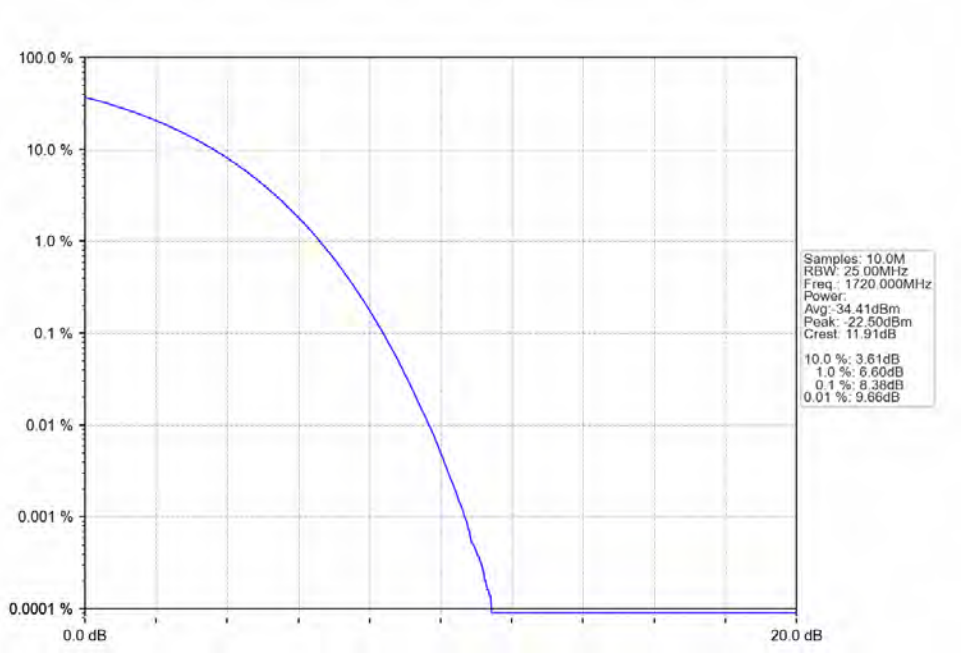
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



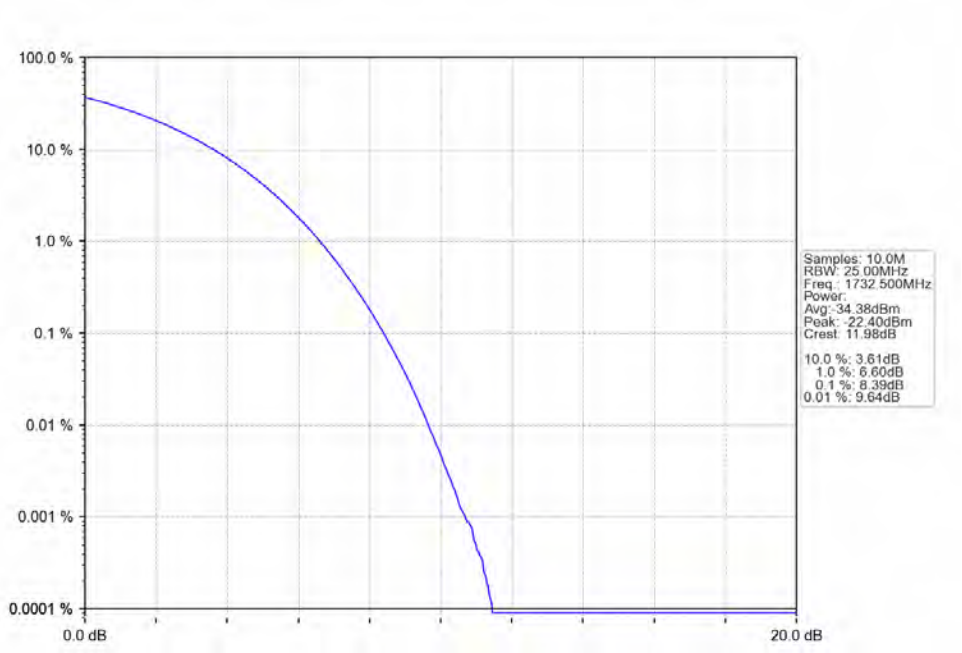
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



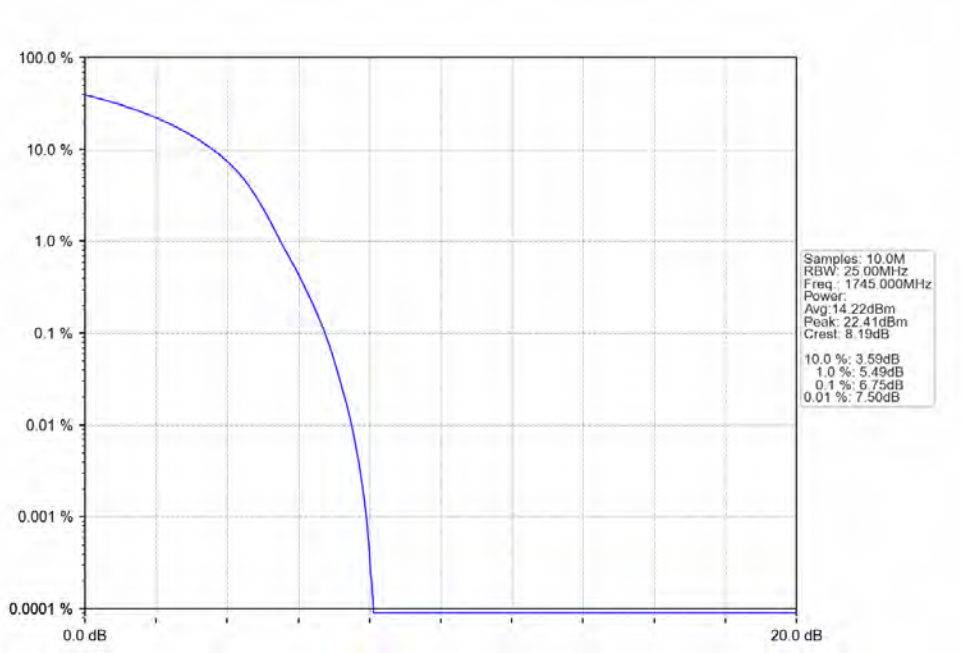
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



6. Spurious Emission

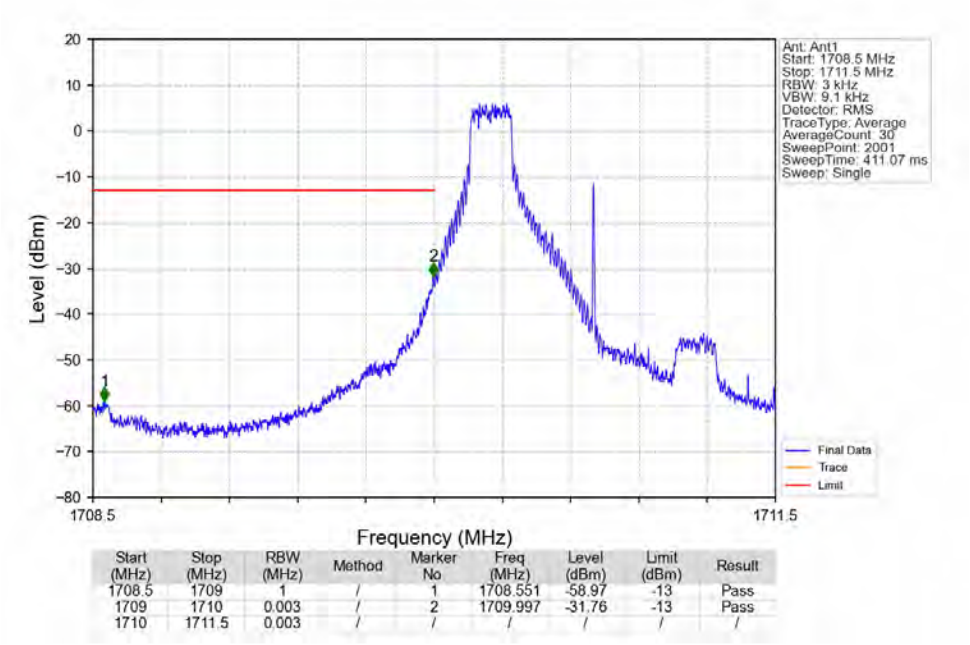
6.1 B4_1.4MHz

6.1.1 Test Result

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

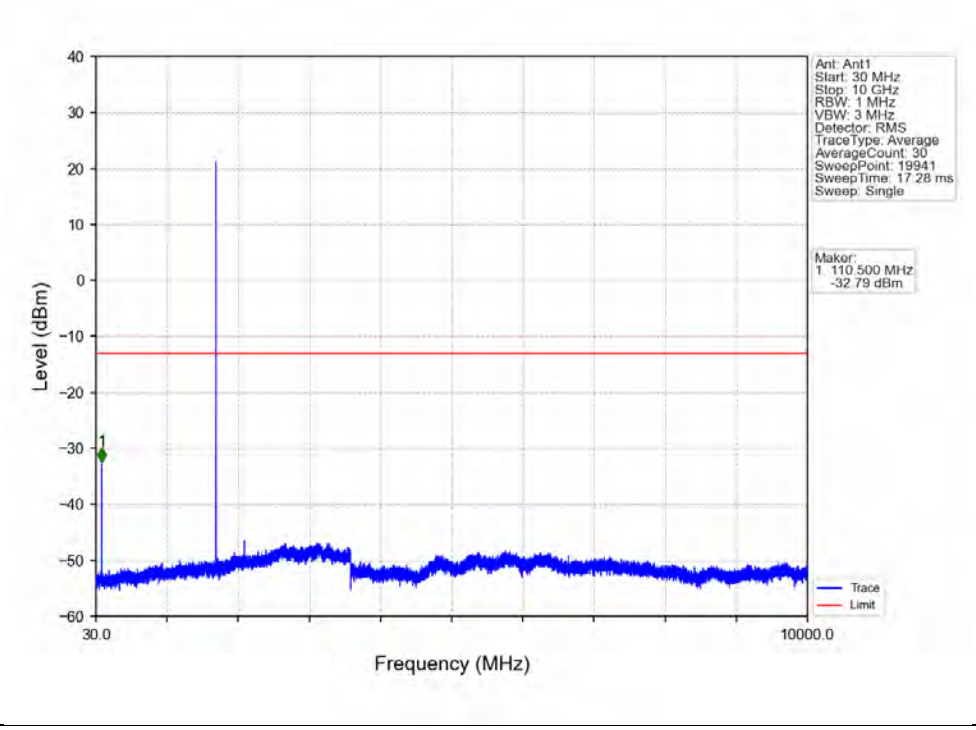
6.1.2 Test Graph

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

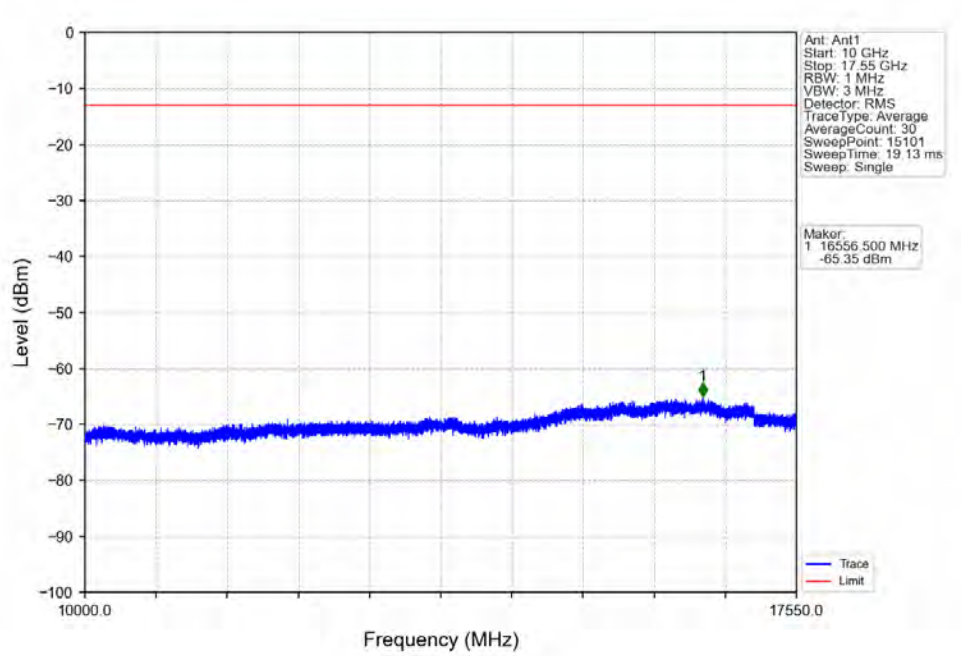


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.551	-58.97	-13	Pass
1709	1710	0.003	/	2	1709.997	-31.76	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

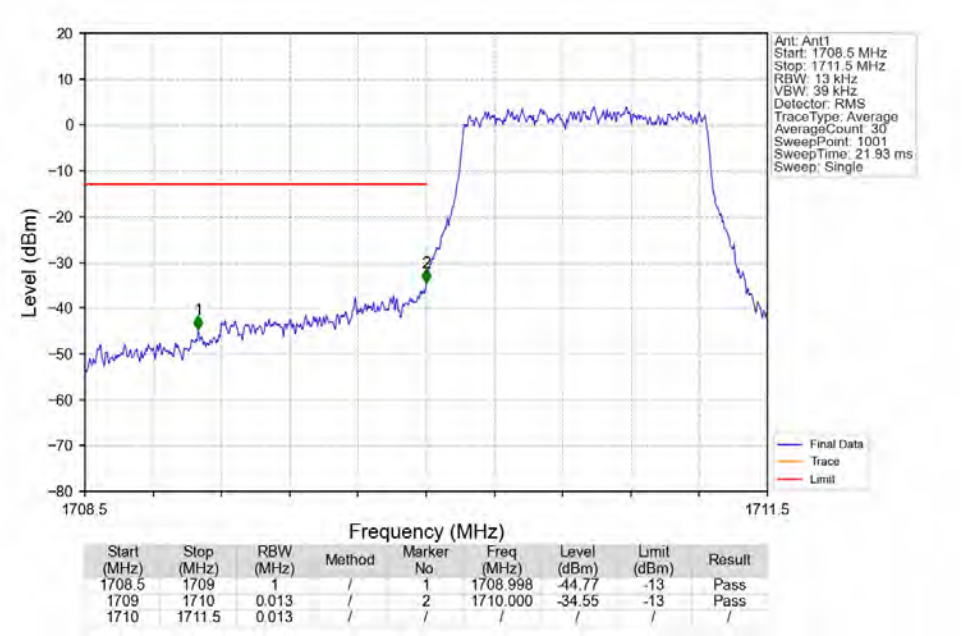
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

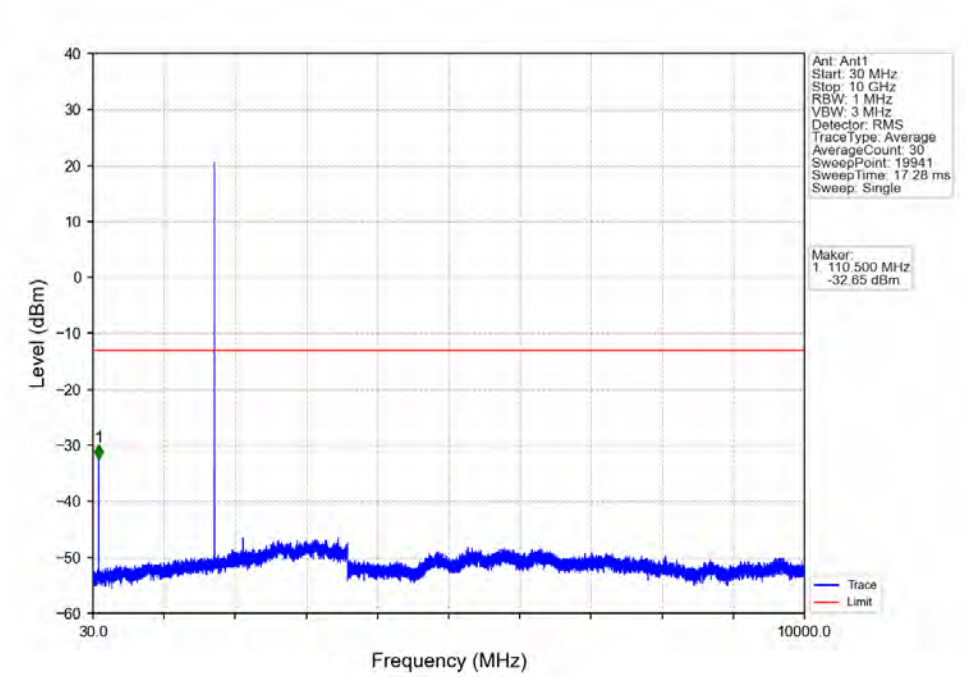


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

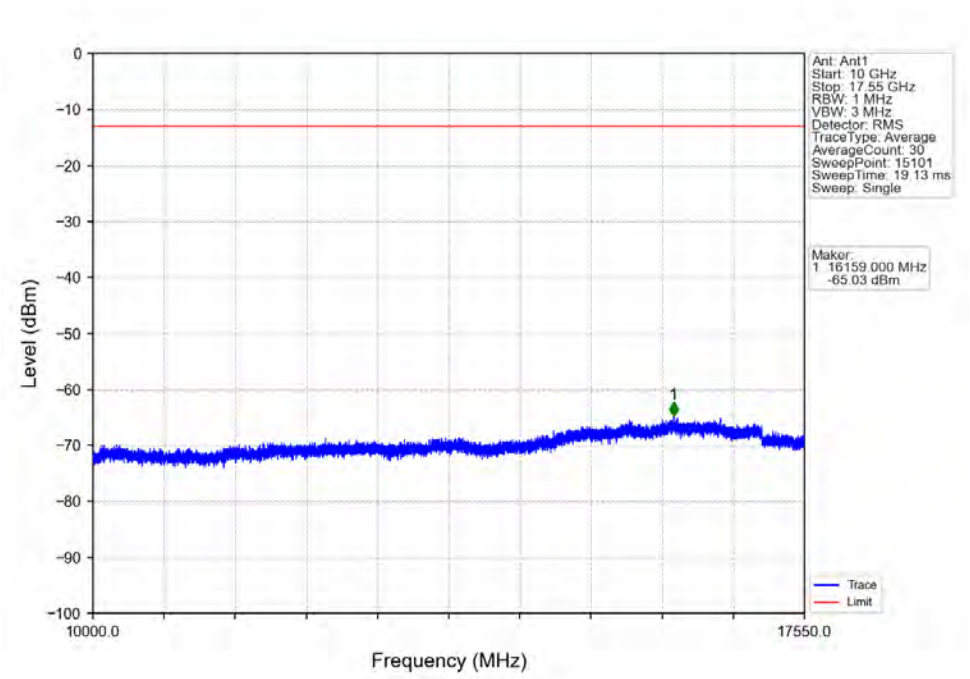


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.998	-44.77	-13	Pass
1709	1710	0.013	/	2	1710.000	-34.55	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

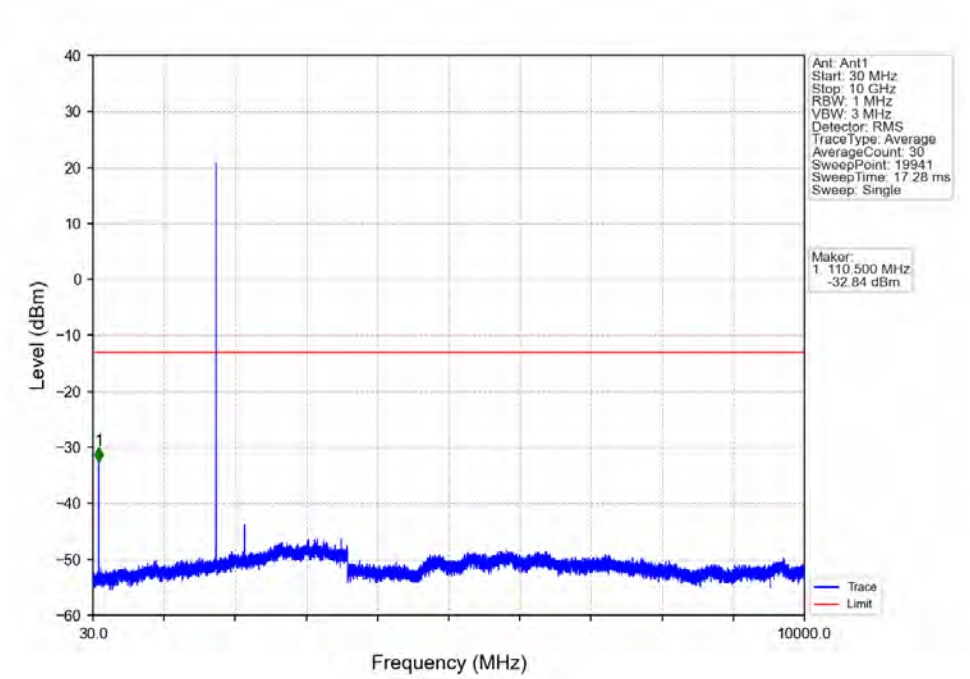
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



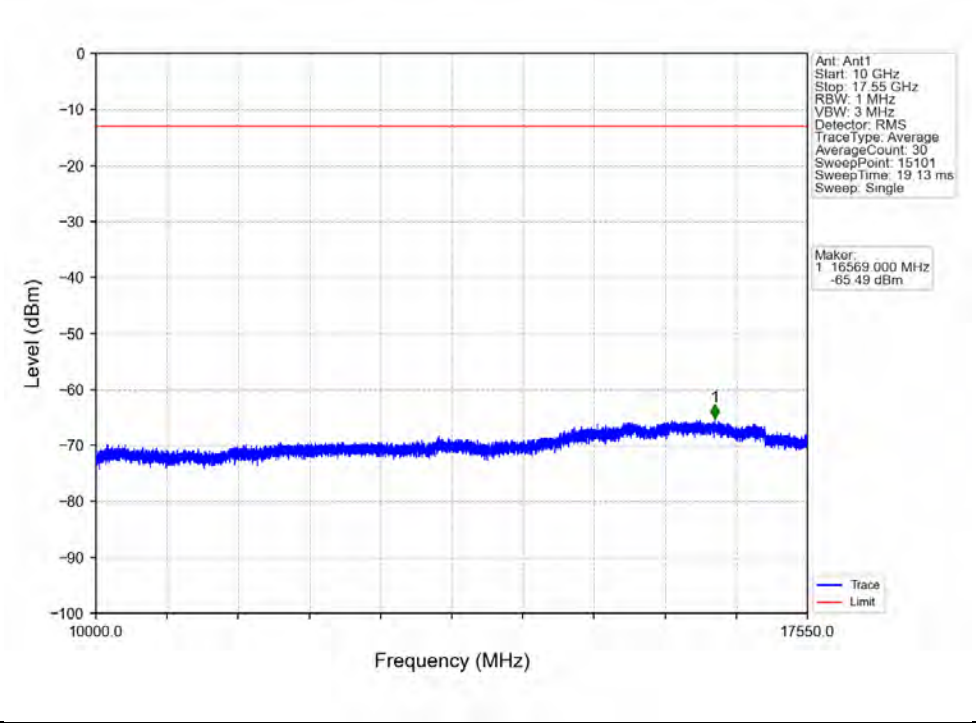
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



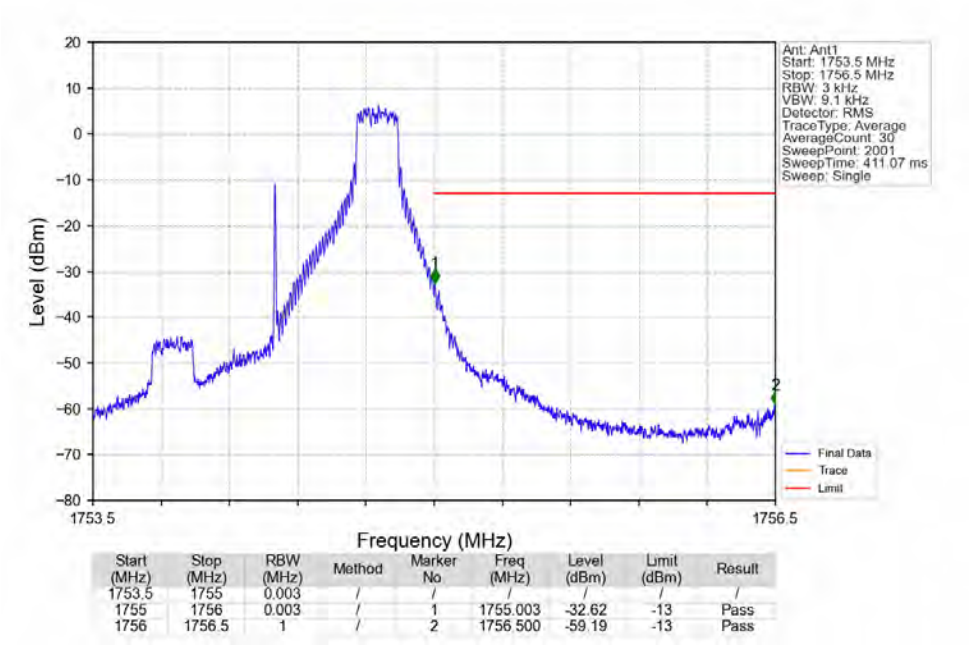
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

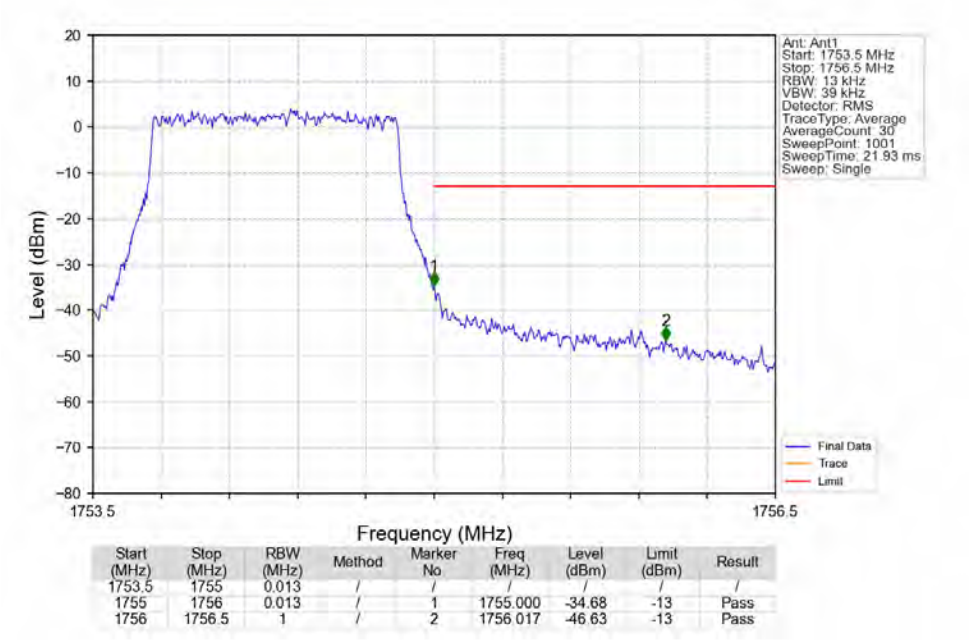


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



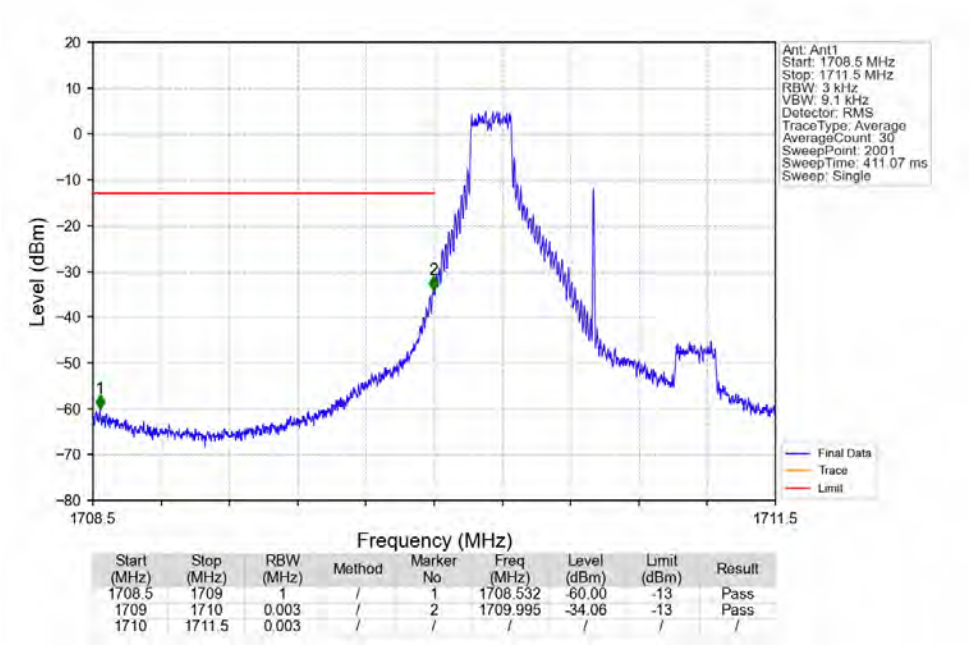
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-32.62	-13	Pass
1756	1756.5	1	/	2	1756.500	-59.19	-13	Pass

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



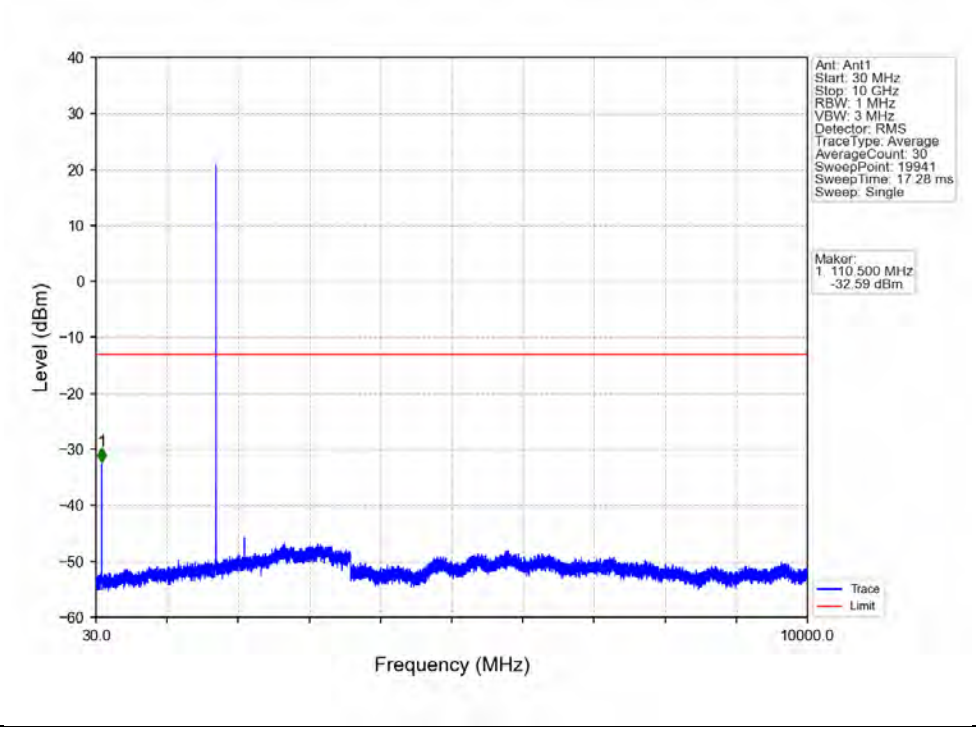
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	/	/	/	/	/
1755	1756	0.013	/	1	1755.000	-34.68	-13	Pass
1756	1756.5	1	/	2	1756.017	-46.63	-13	Pass

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

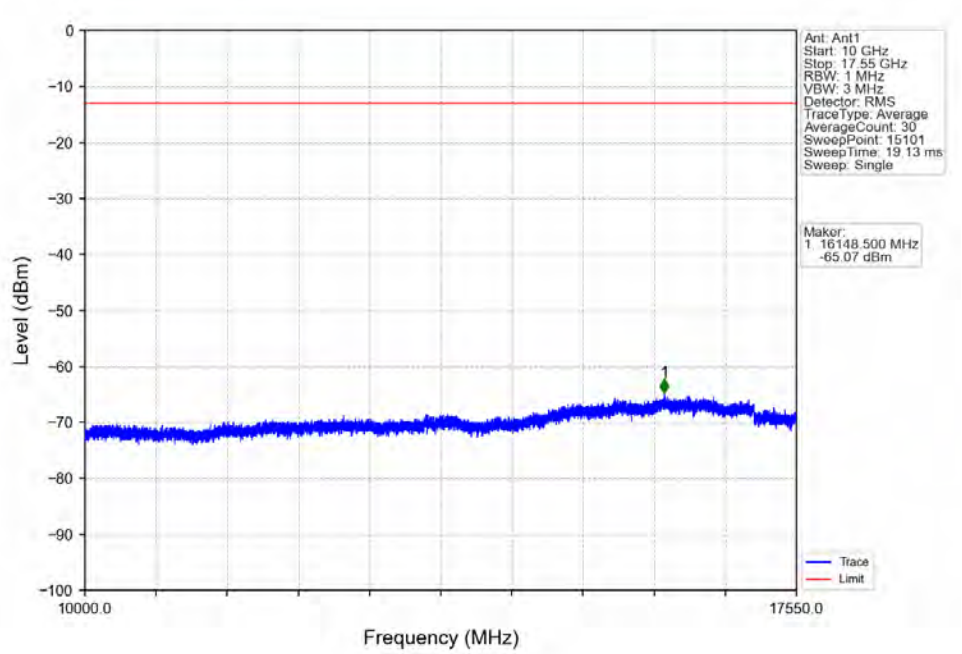


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.532	-60.00	-13	Pass
1709	1710	0.003	/	2	1709.995	-34.06	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

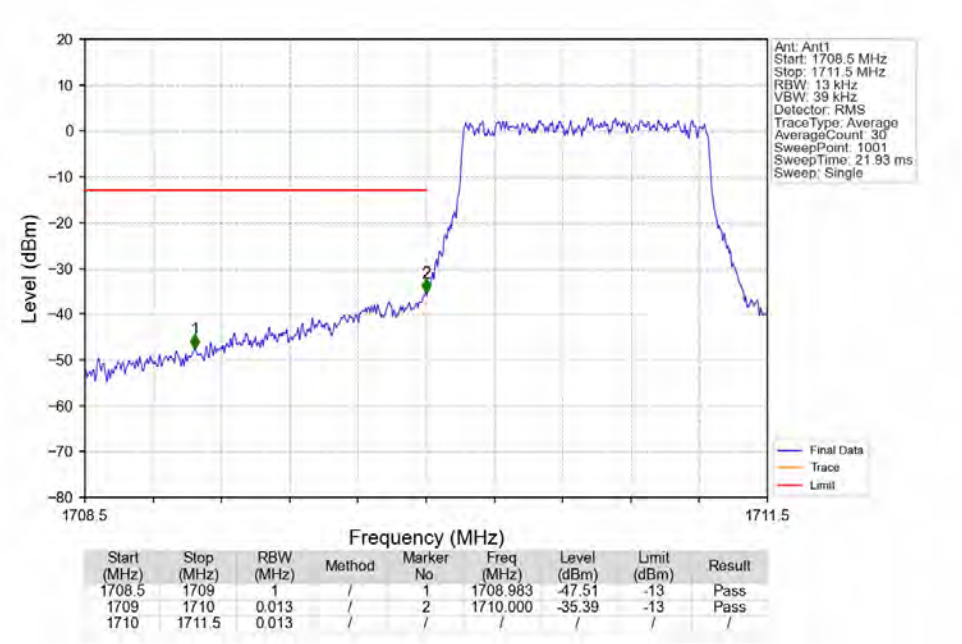
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

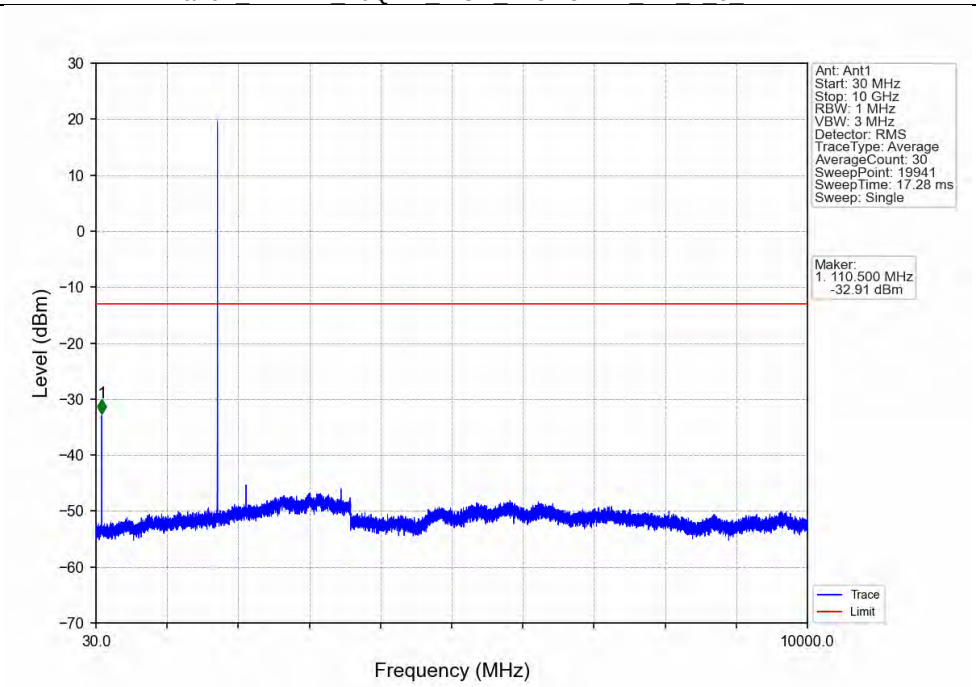


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

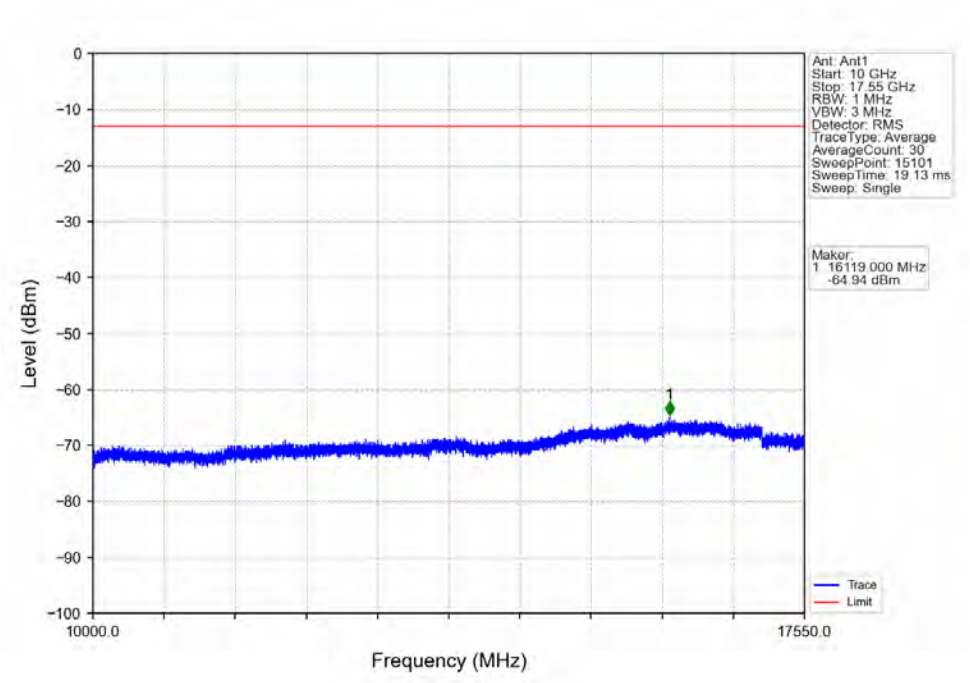


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.983	-47.51	-13	Pass
1709	1710	0.013	/	2	1710.000	-35.39	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

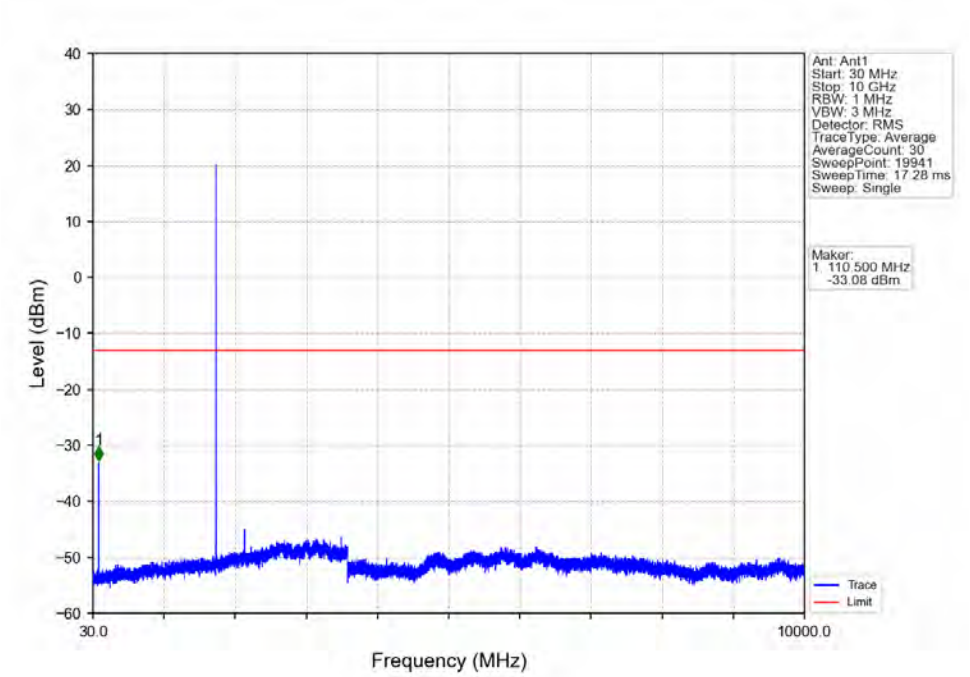
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



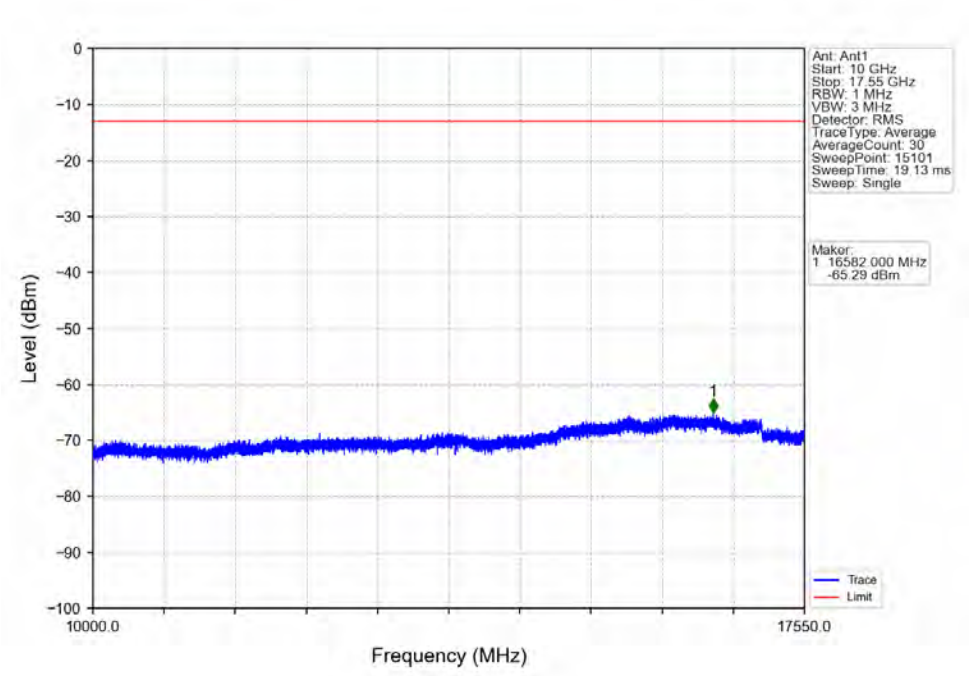
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



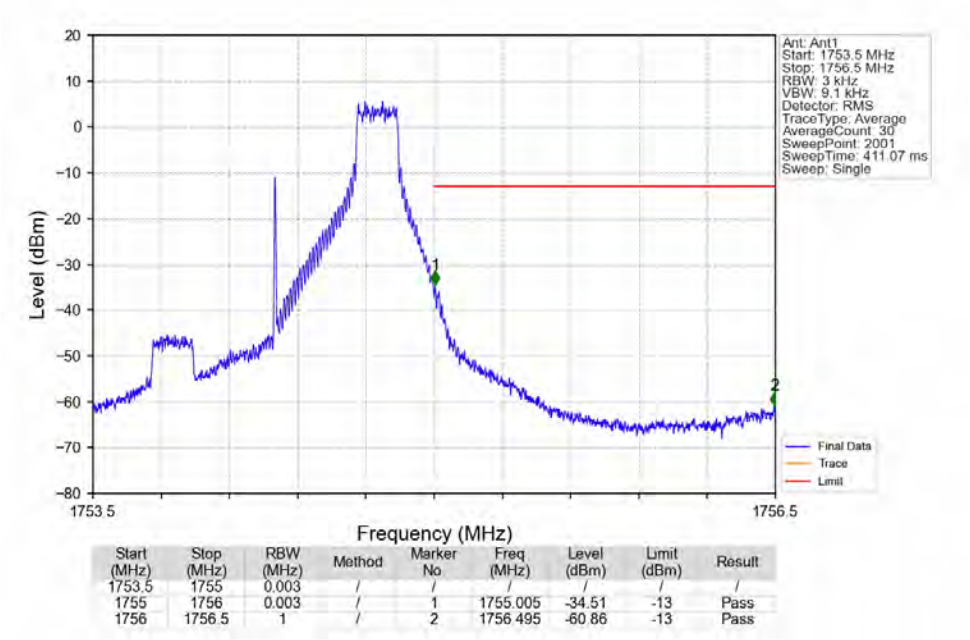
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

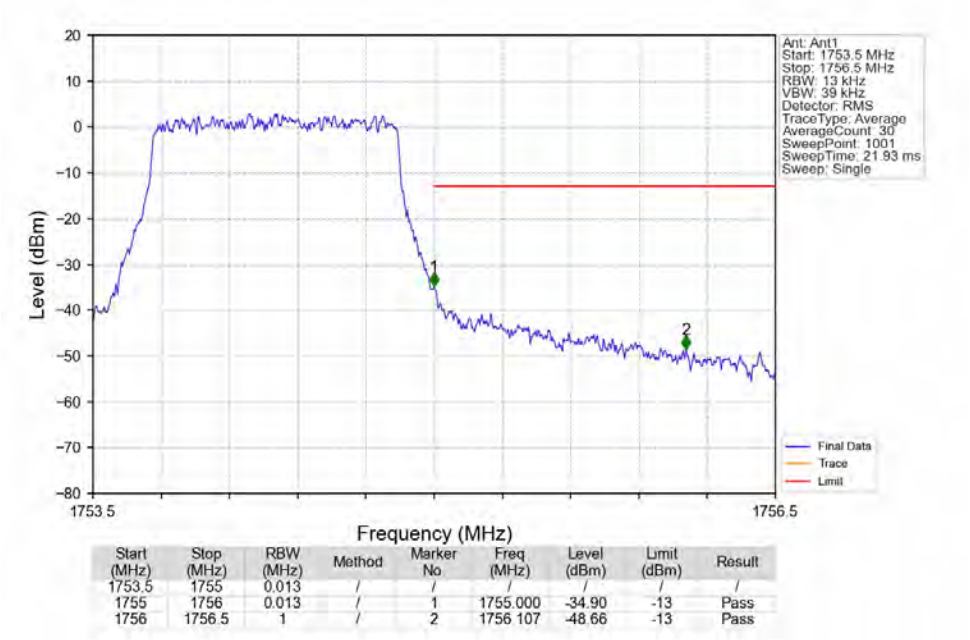


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.005	-34.51	-13	Pass
1756	1756.5	1	/	2	1756.495	-60.86	-13	Pass

Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	/	/	/	/	/
1755	1756	0.013	/	1	1755.000	-34.90	-13	Pass
1756	1756.5	1	/	2	1756.107	-48.66	-13	Pass

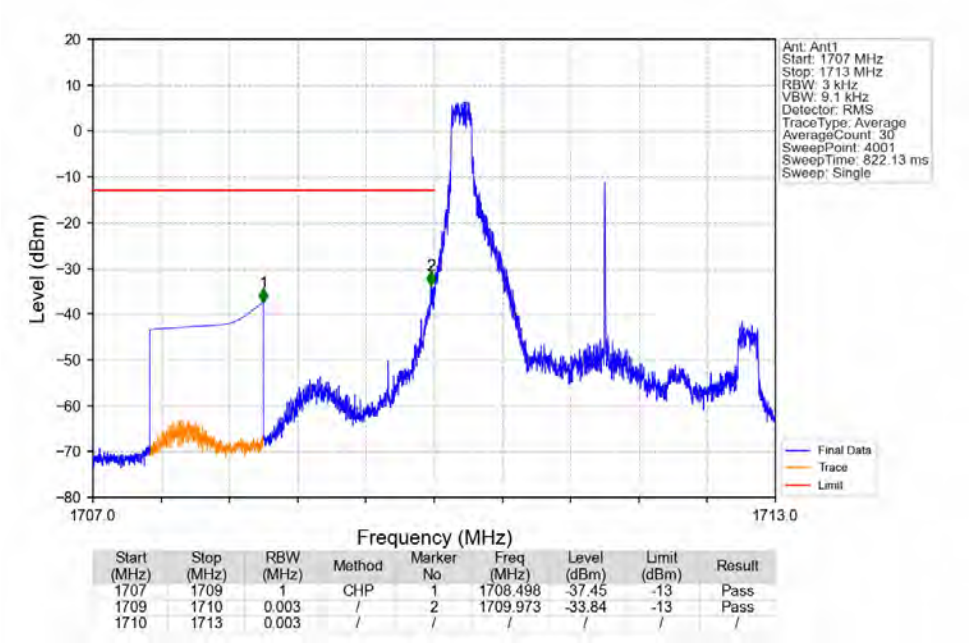
6.2 B4_3MHz

6.2.1 Test Result

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

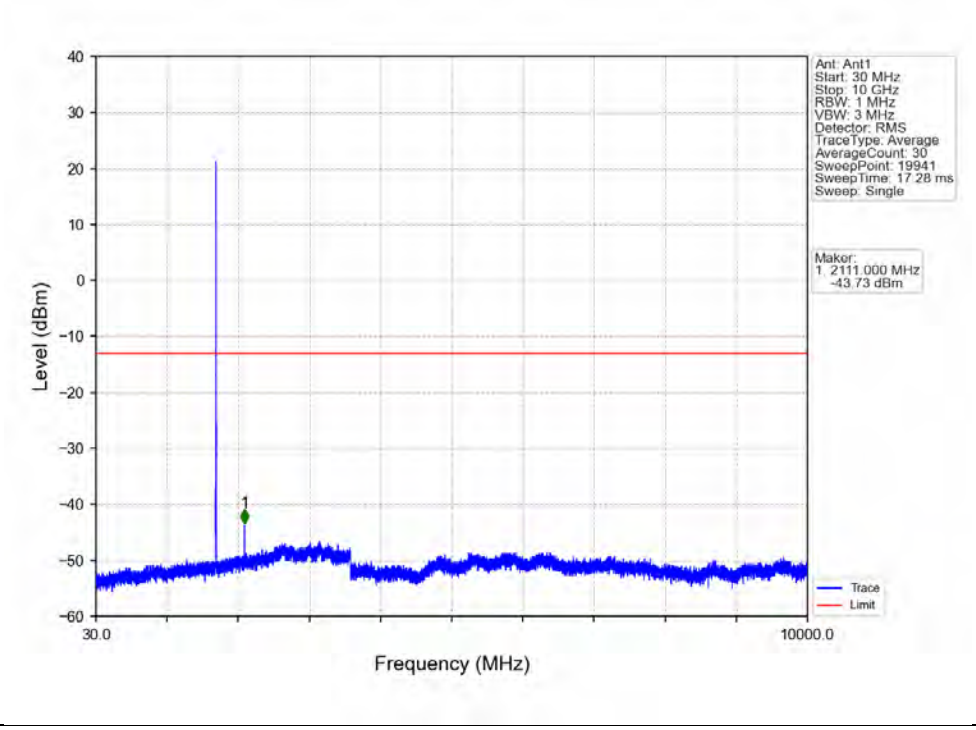
6.2.2 Test Graph

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

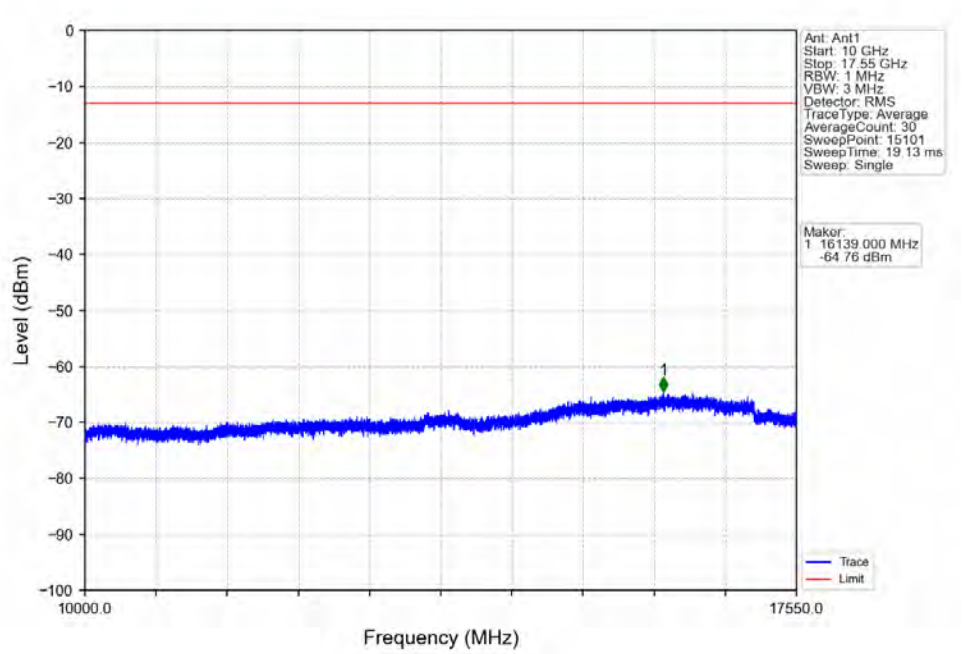


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-37.45	-13	Pass
1709	1710	0.003	/	2	1709.973	-33.84	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

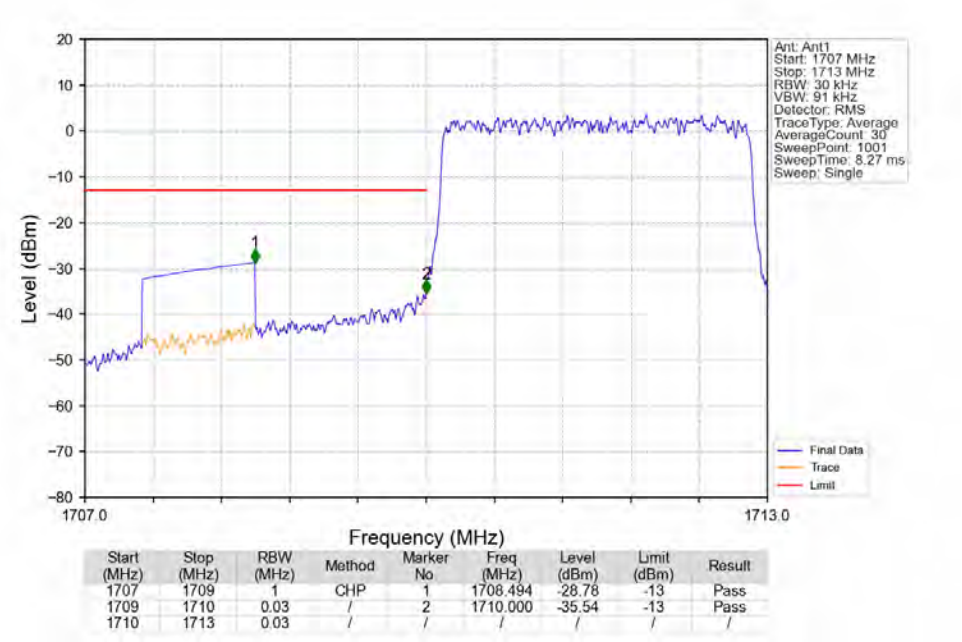
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



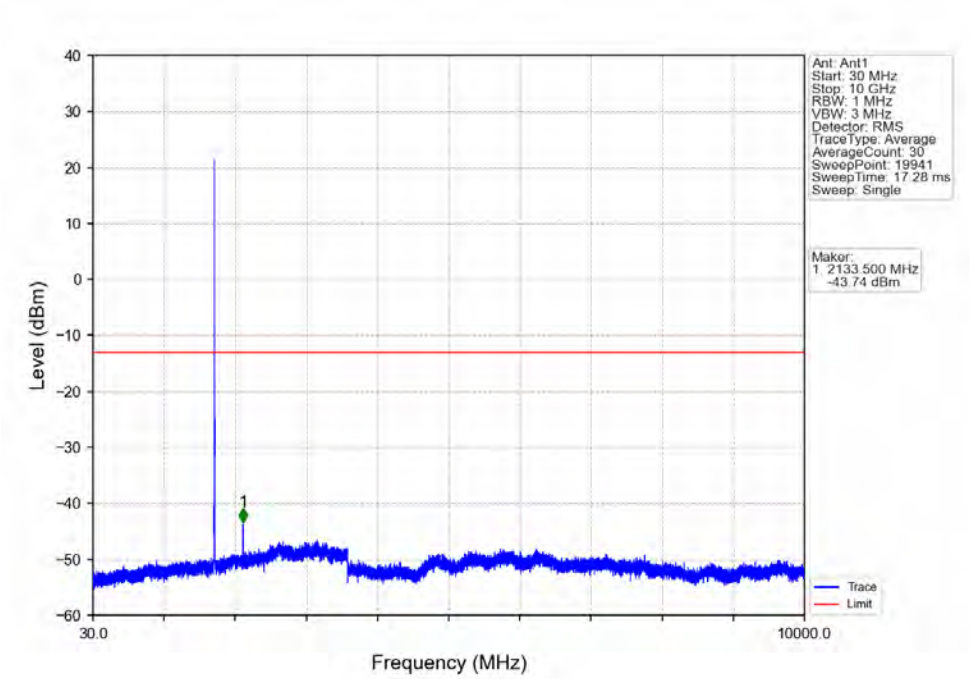
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

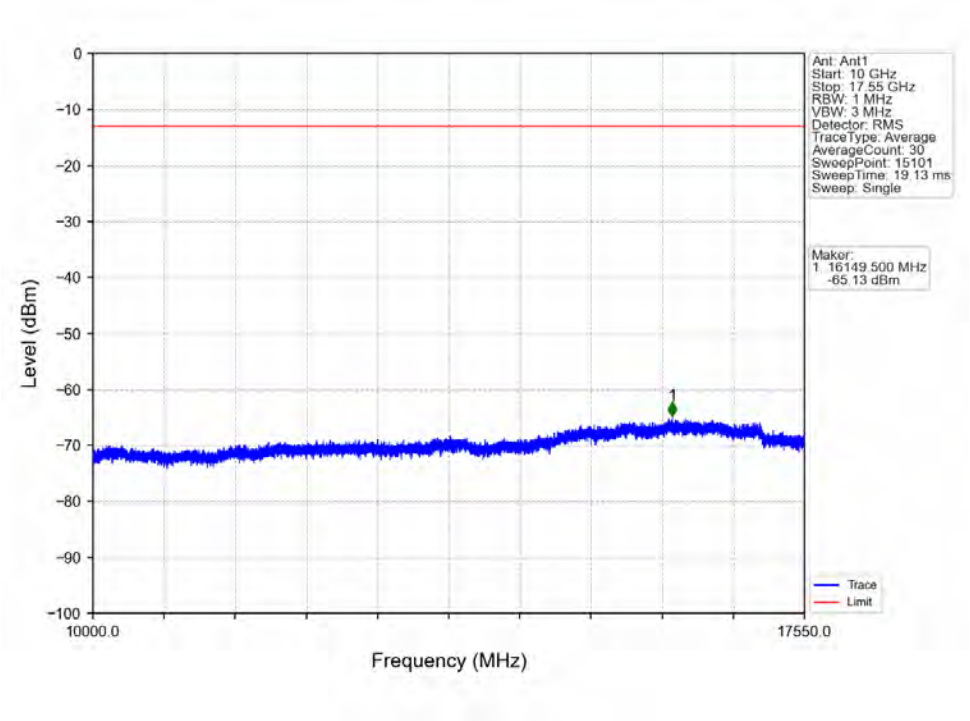


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

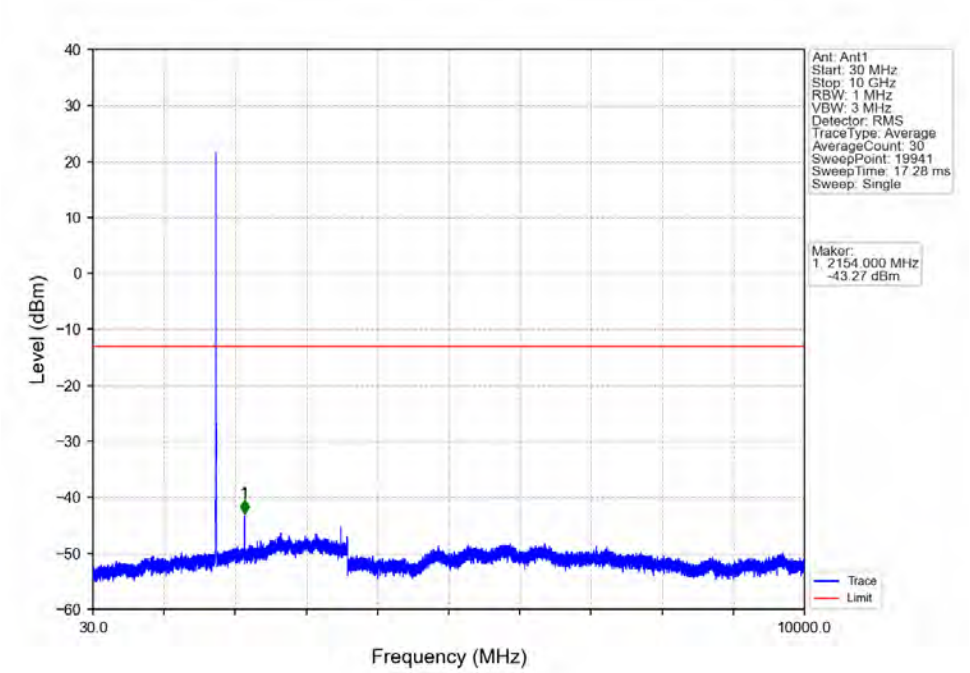


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-28.78	-13	Pass
1709	1710	0.03	/	2	1710.000	-35.54	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

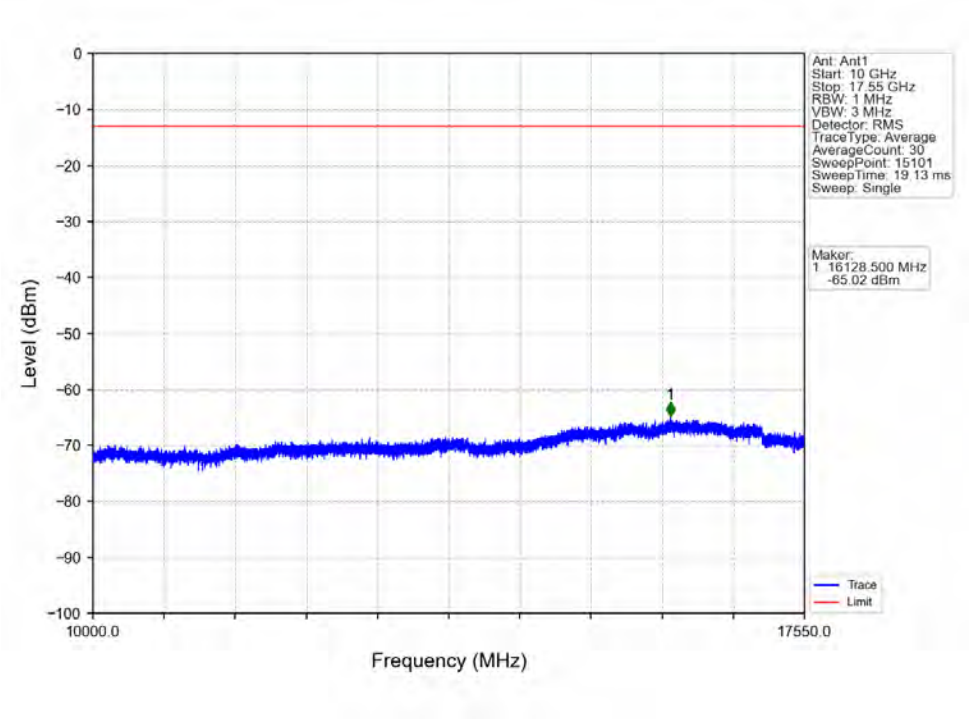
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV


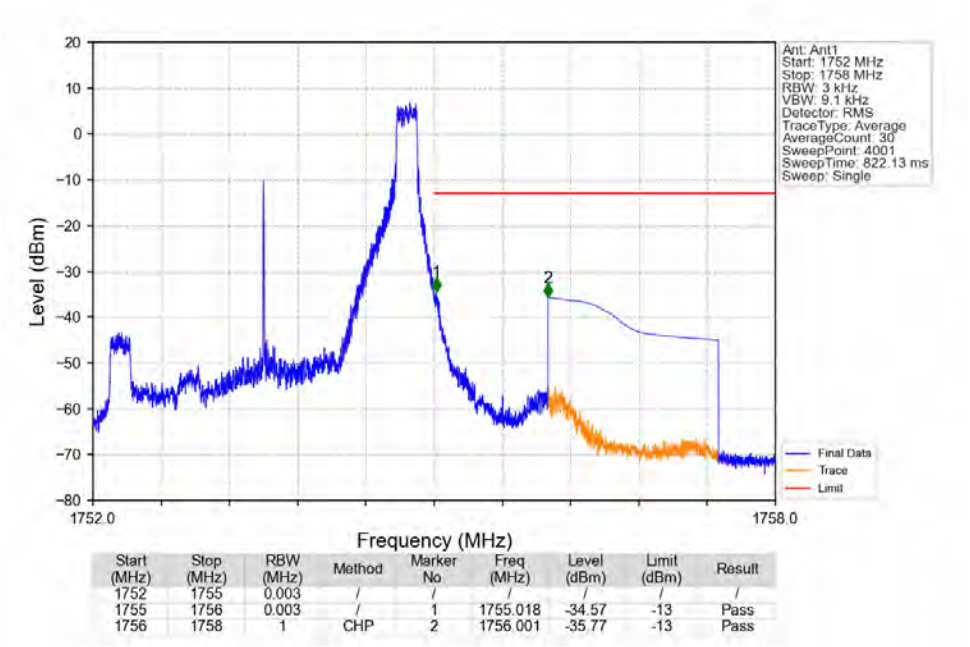
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

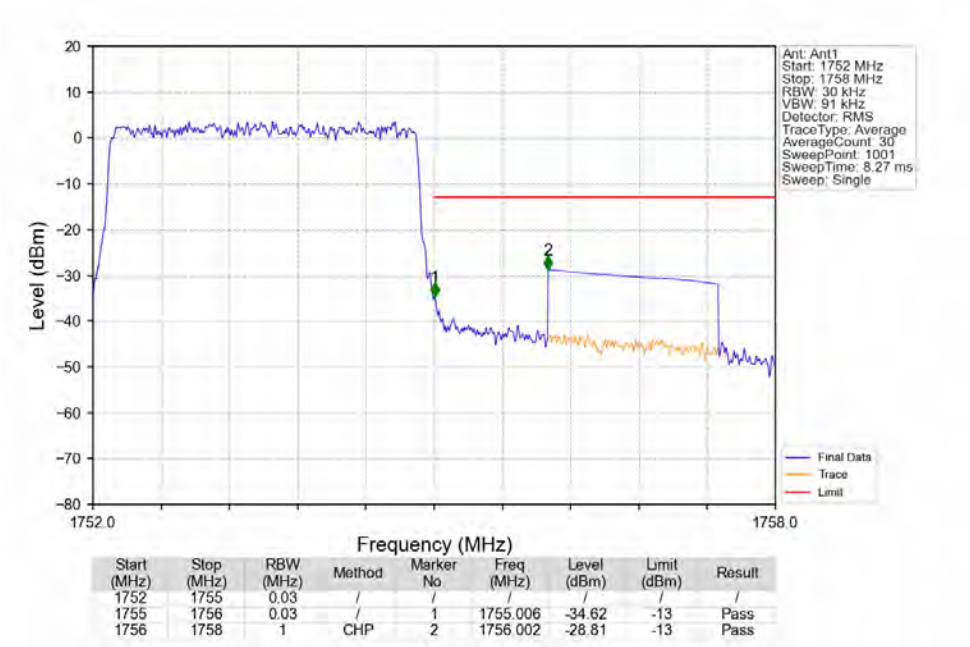


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



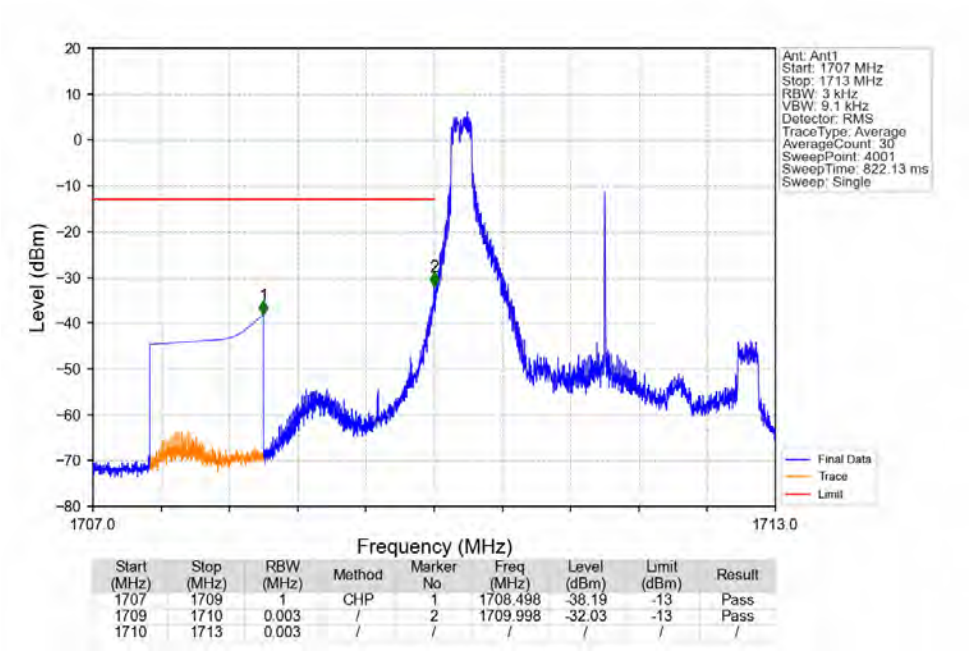
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.018	-34.57	-13	Pass
1756	1758	1	CHP	2	1756.001	-35.77	-13	Pass

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



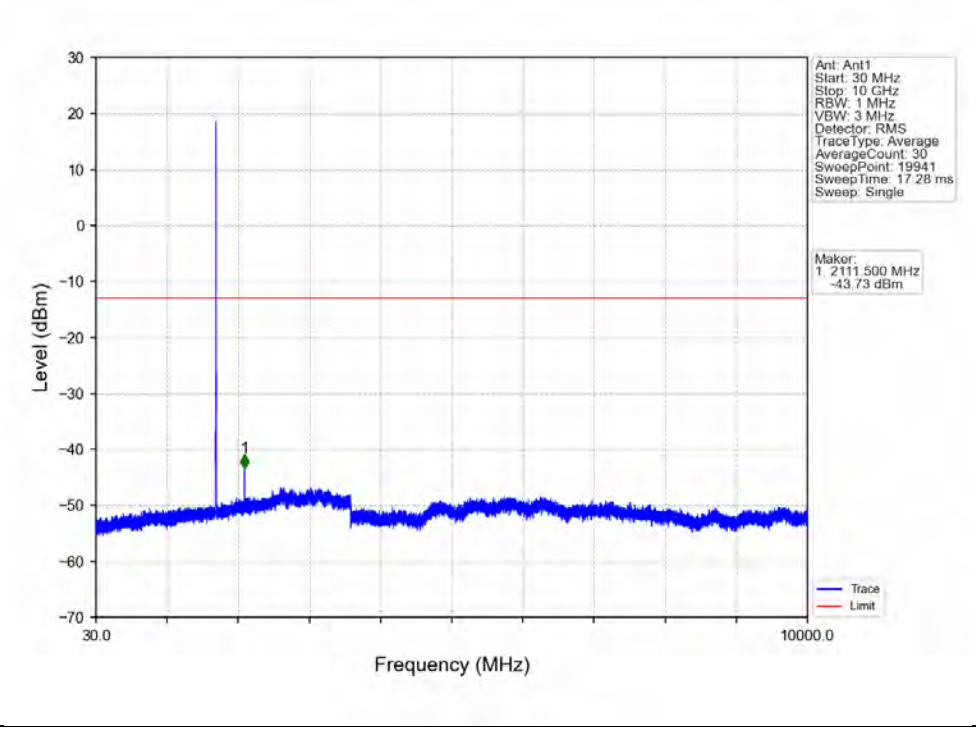
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.03	/	/	/	/	/	/
1755	1756	0.03	/	1	1755.006	-34.62	-13	Pass
1756	1758	1	CHP	2	1756.002	-28.81	-13	Pass

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

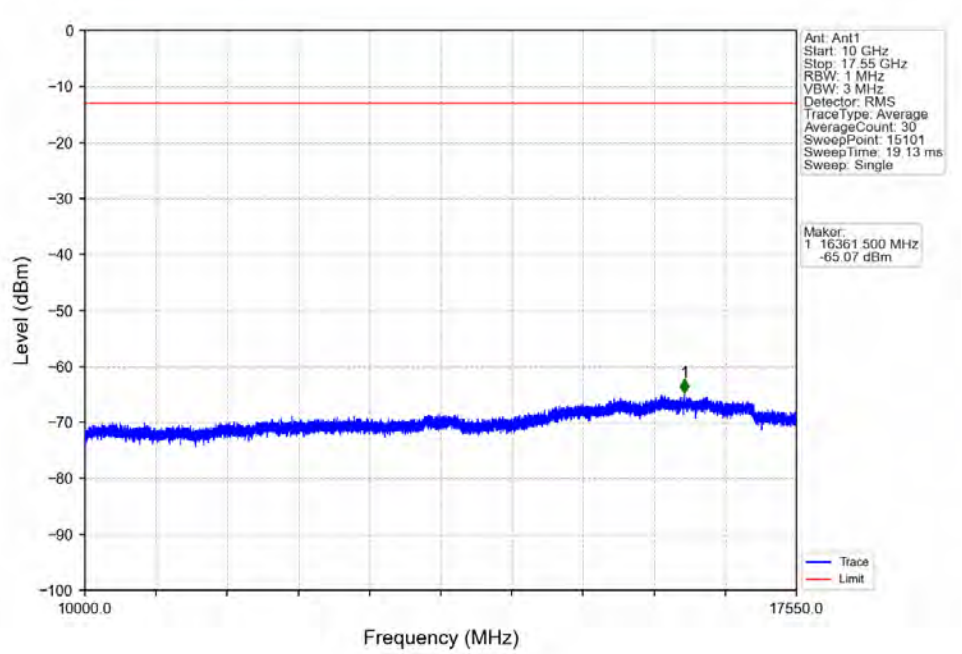


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-38.19	-13	Pass
1709	1710	0.003	/	2	1709.998	-32.03	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

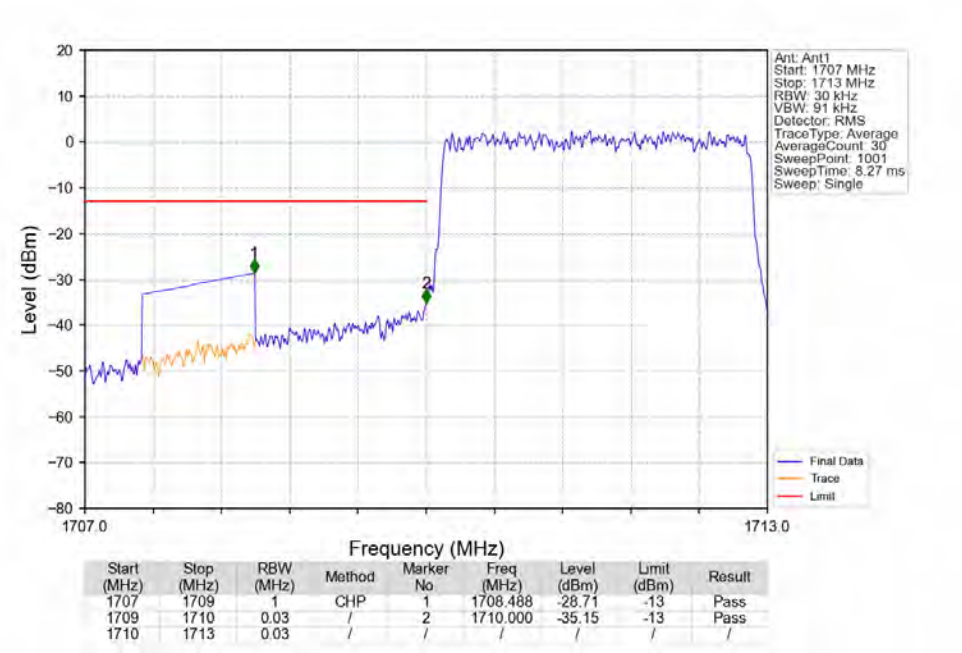
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

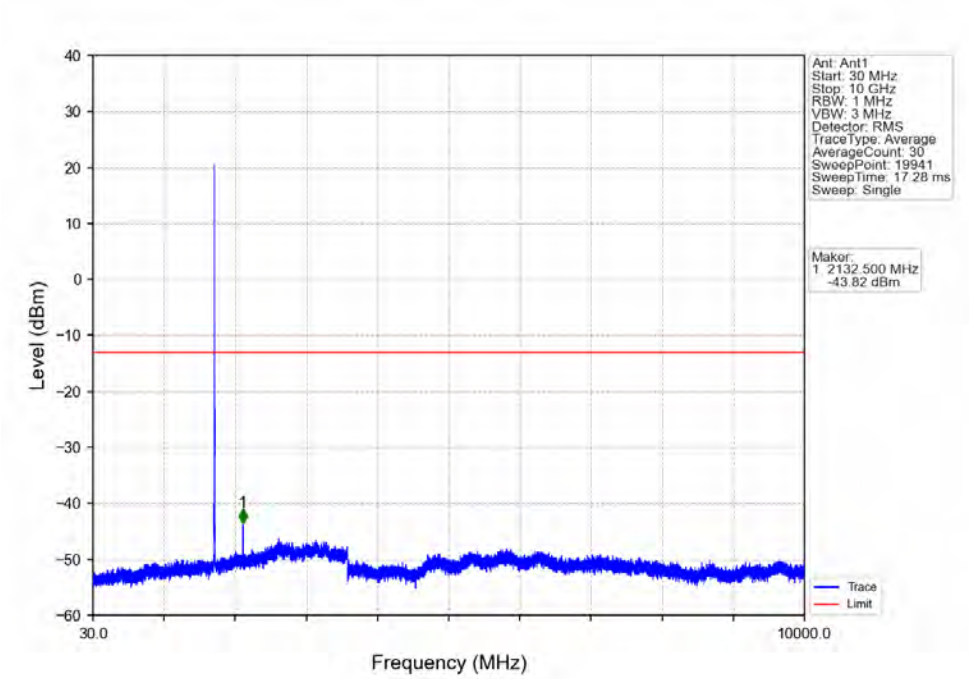


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

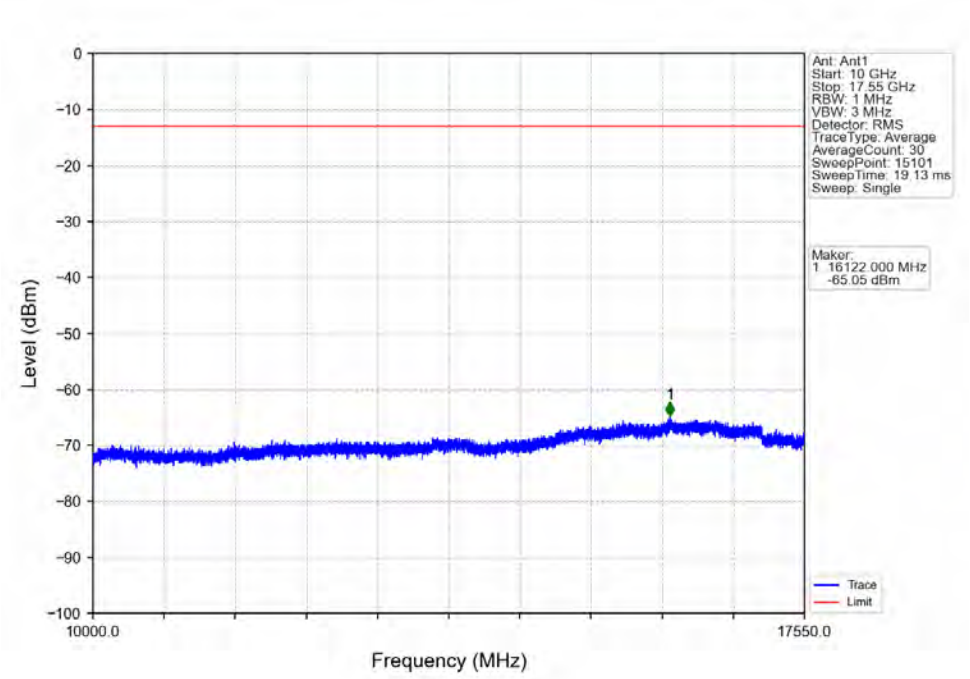


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.488	-28.71	-13	Pass
1709	1710	0.03	/	2	1710.000	-35.15	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

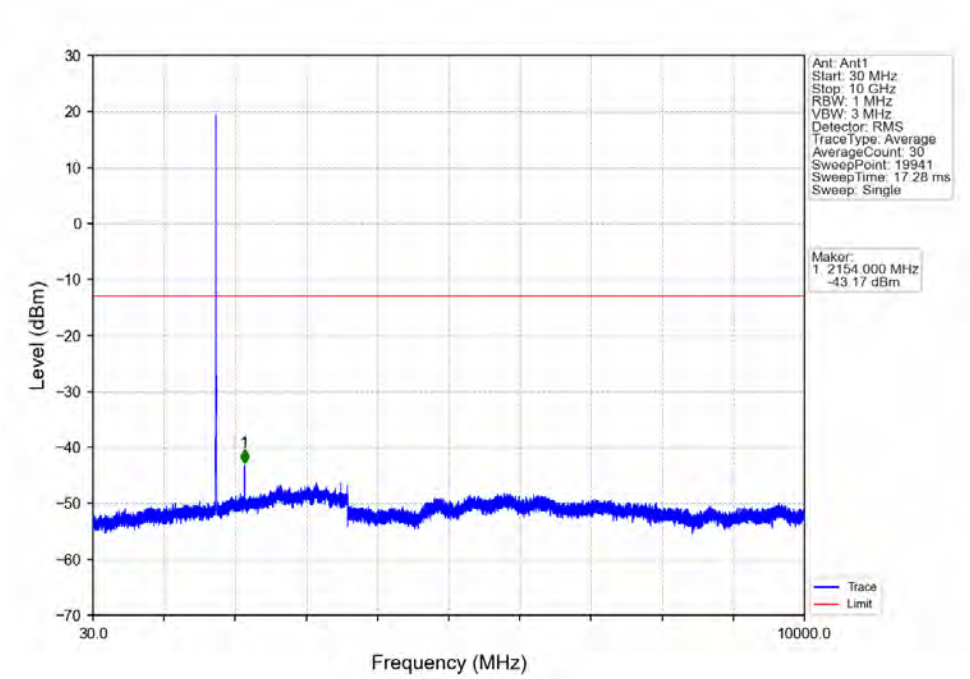
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



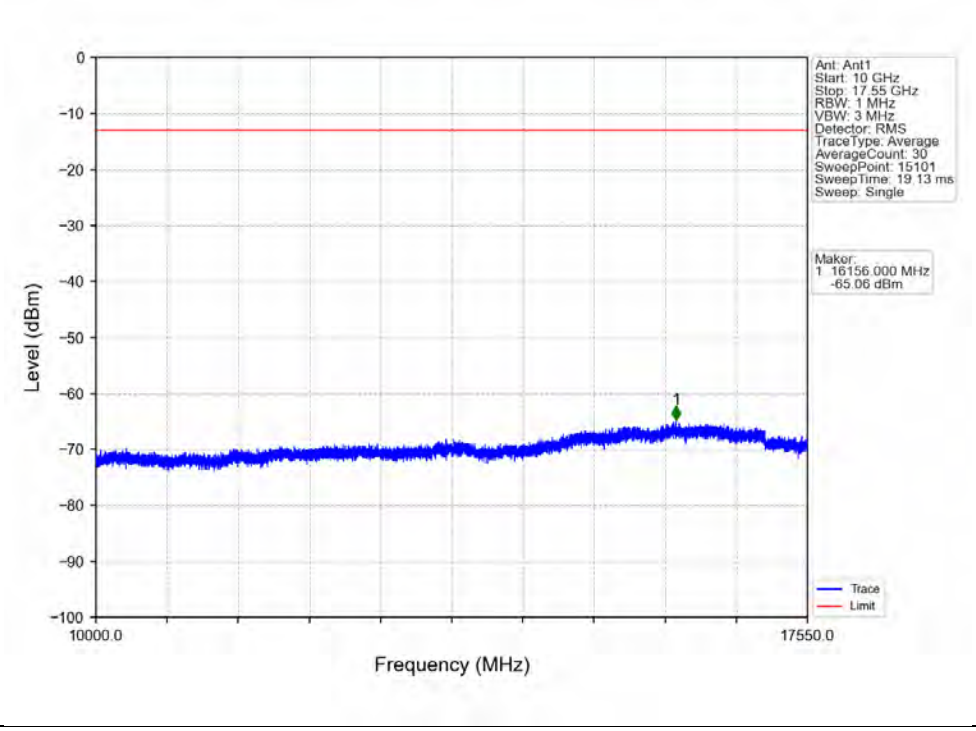
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



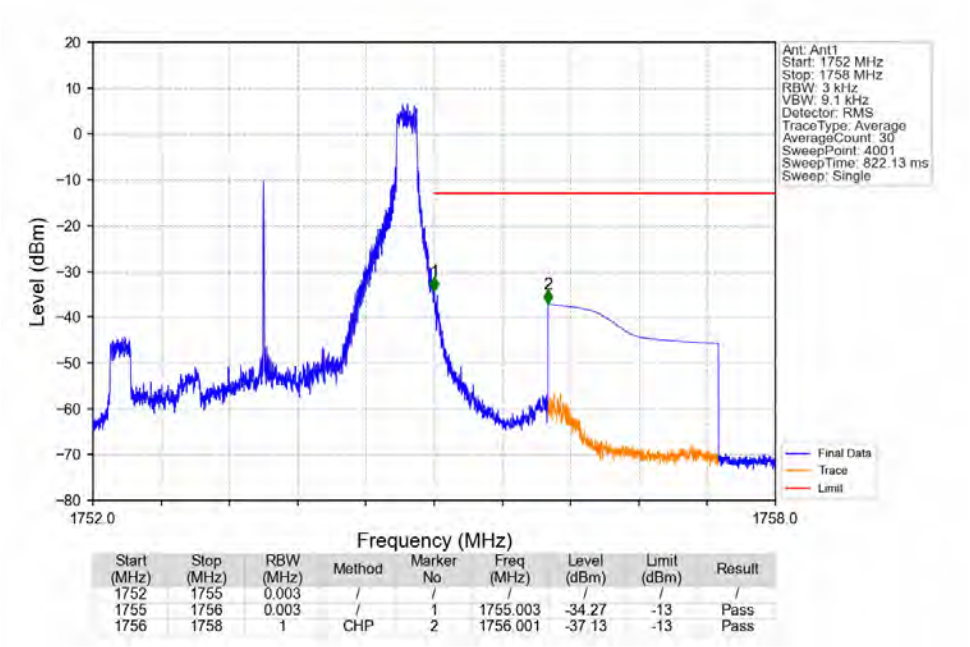
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV

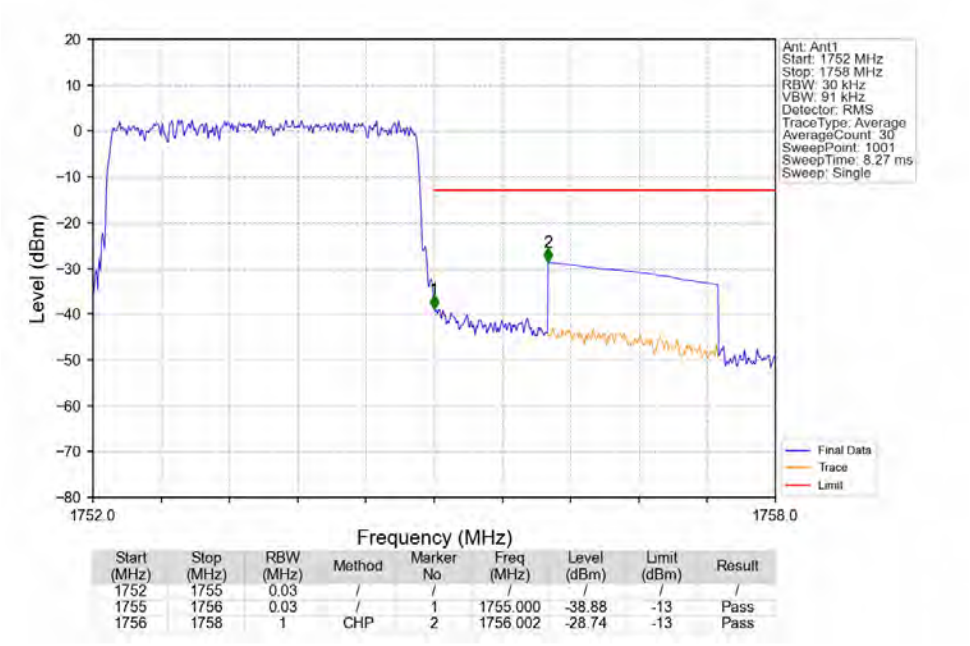


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-34.27	-13	Pass
1756	1758	1	CHP	2	1756.001	-37.13	-13	Pass

Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.03	/	/	/	/	/	/
1755	1756	0.03	/	1	1755.000	-38.88	-13	Pass
1756	1758	1	CHP	2	1756.002	-28.74	-13	Pass

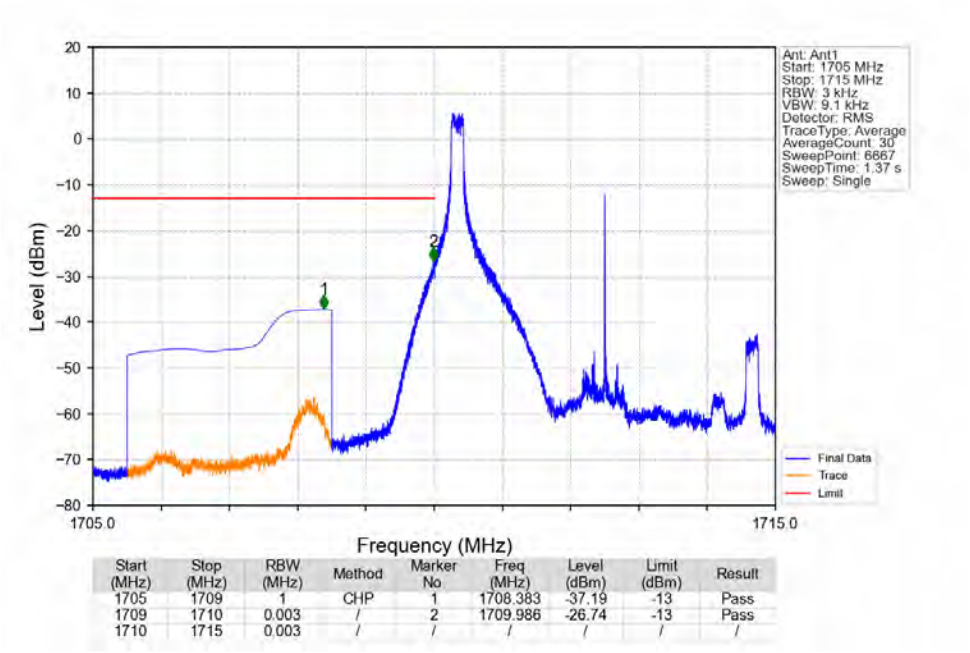
6.3 B4_5MHz

6.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

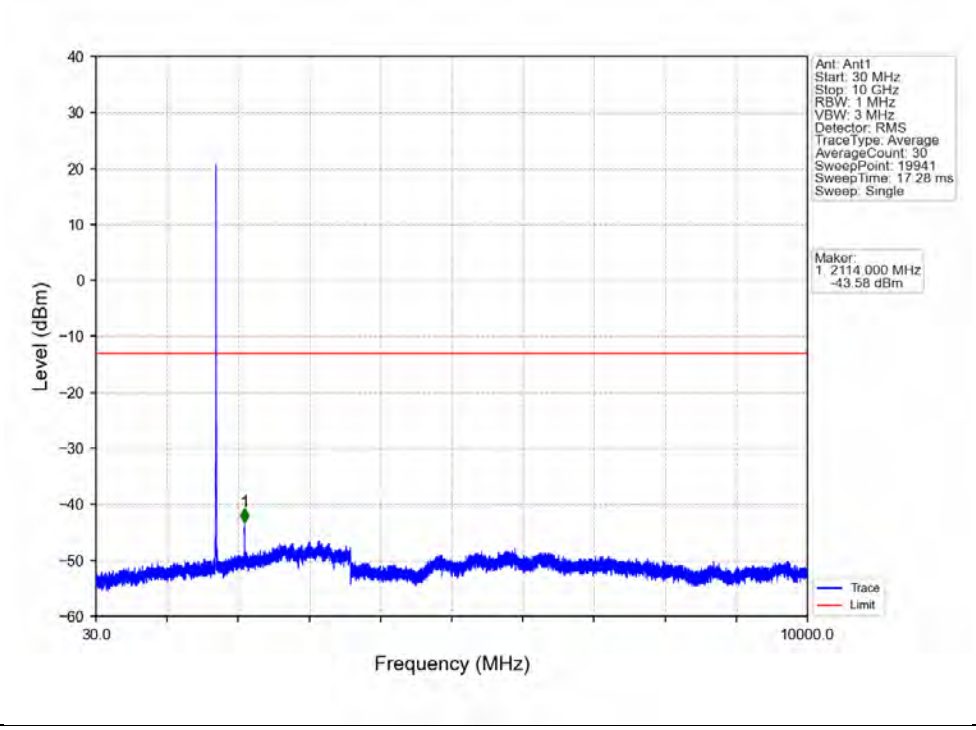
6.3.2 Test Graph

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

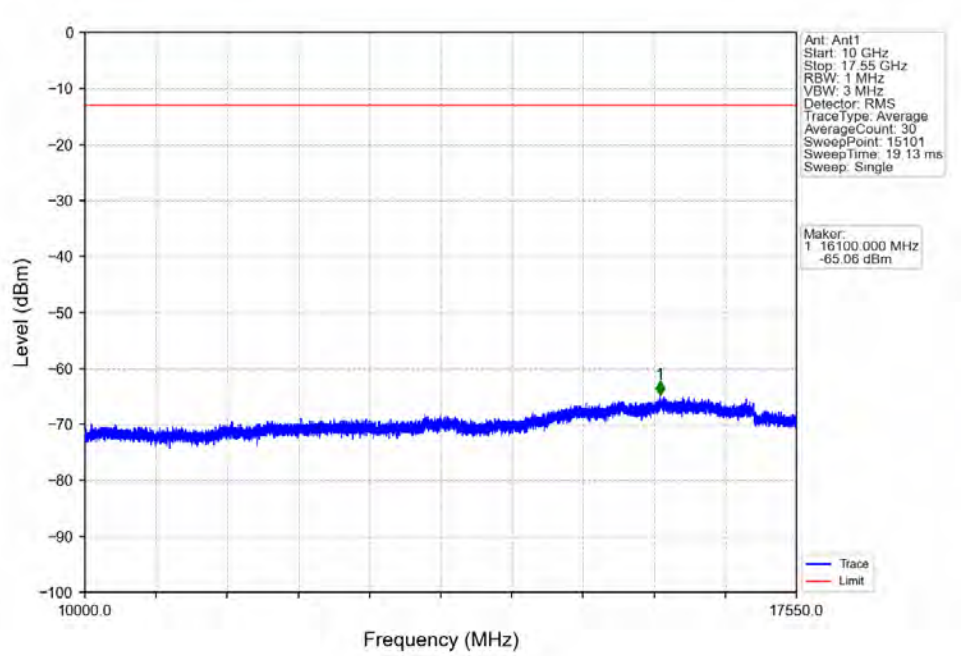


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.383	-37.19	-13	Pass
1709	1710	0.003	/	2	1709.986	-26.74	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

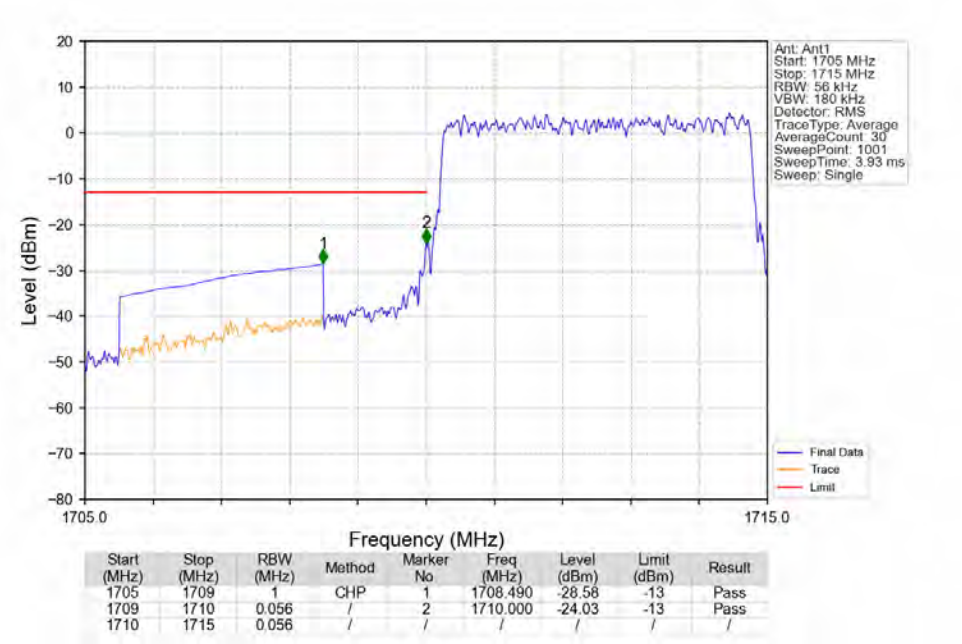
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

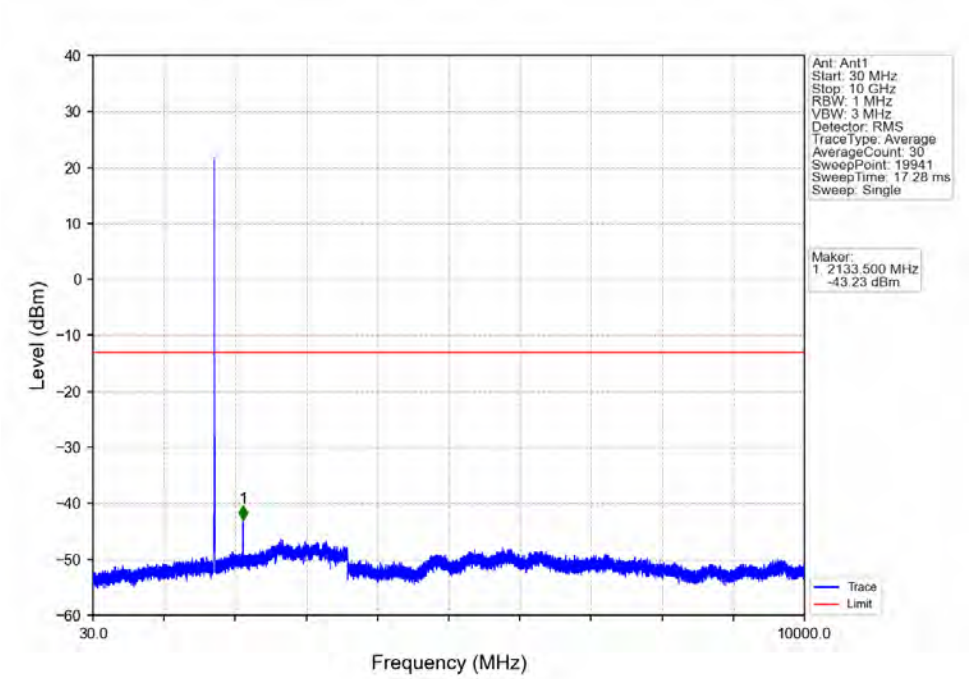


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

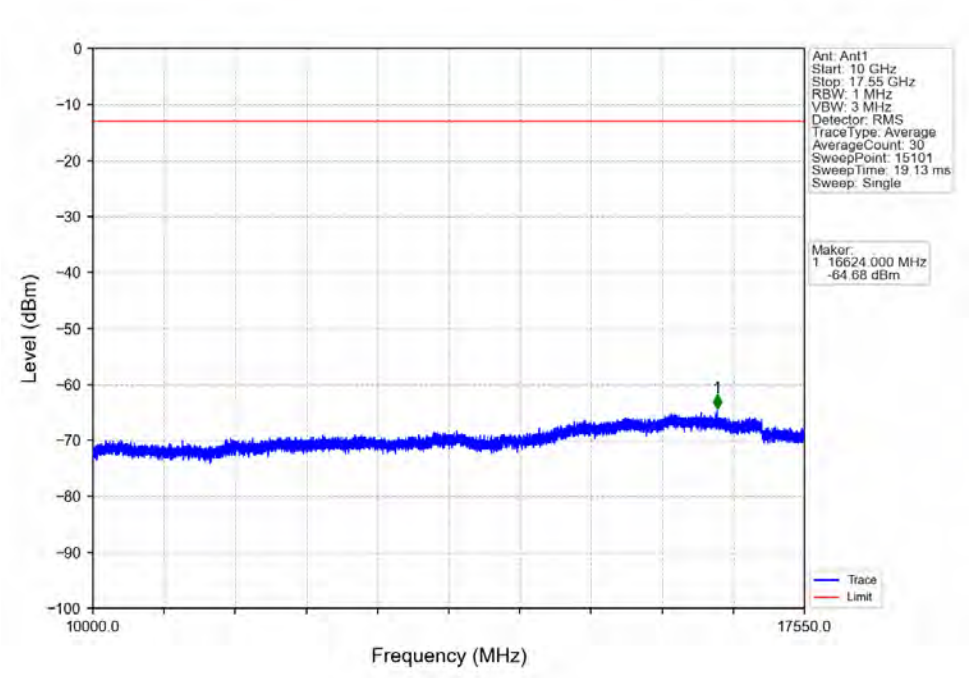


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-28.58	-13	Pass
1709	1710	0.056	/	2	1710.000	-24.03	-13	Pass
1710	1715	0.056	/	/	/	/	/	/

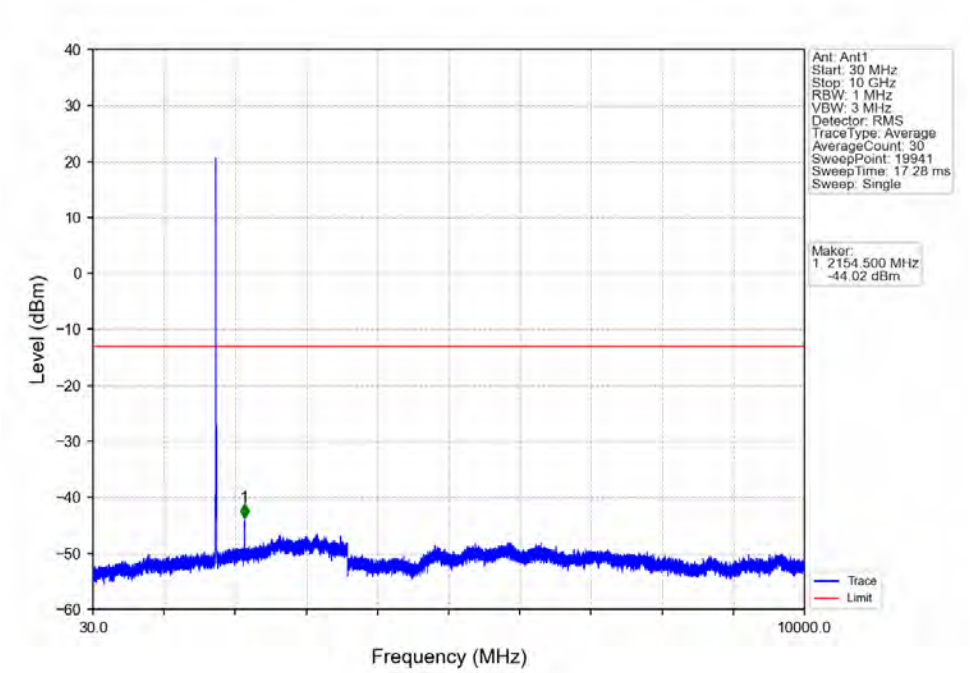
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



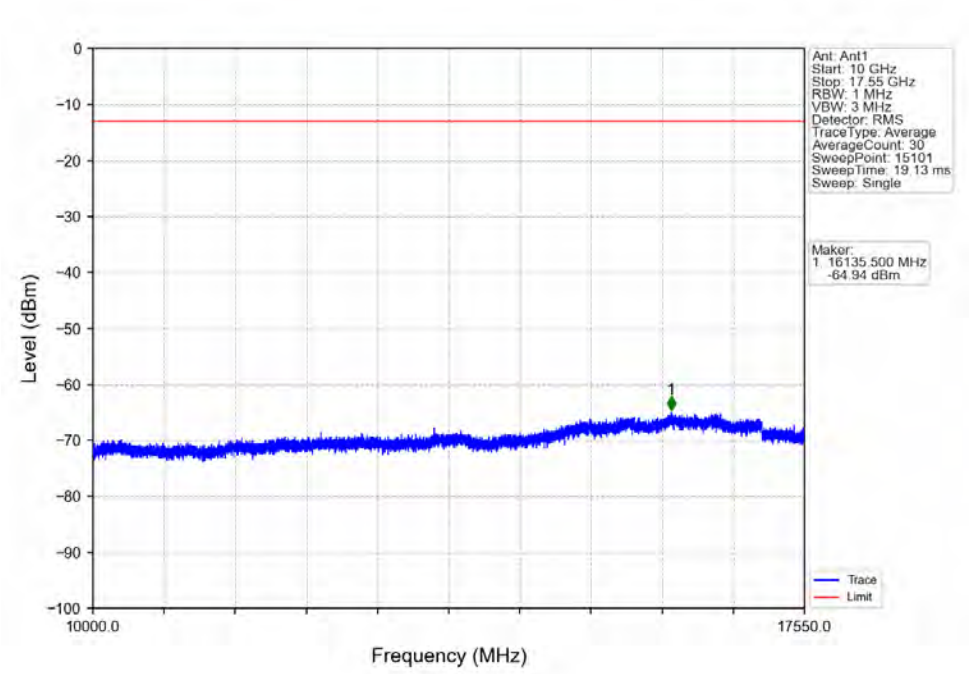
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



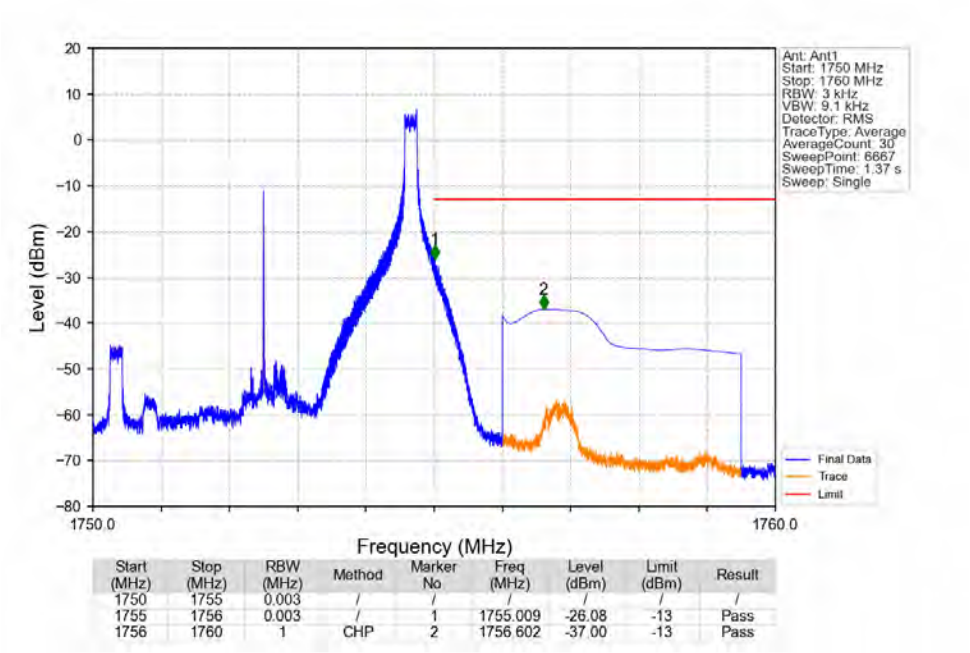
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

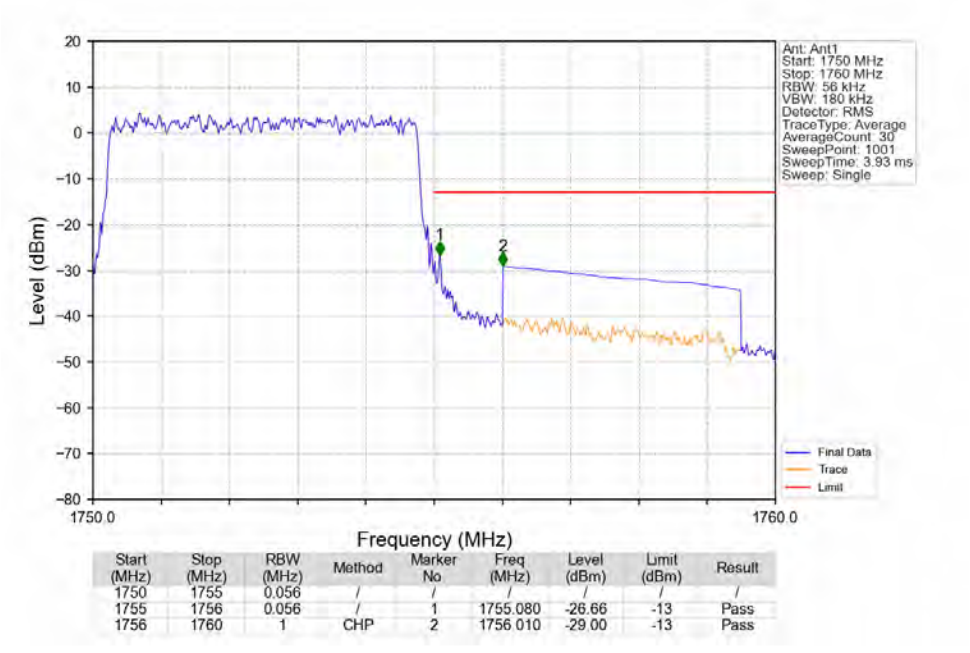


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



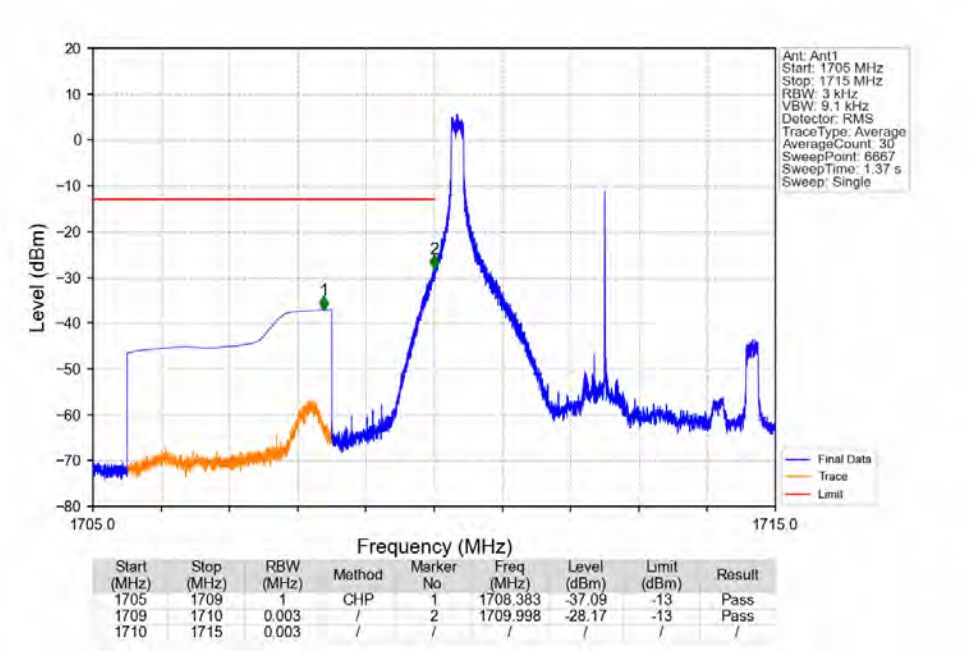
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.009	-26.08	-13	Pass
1756	1760	1	CHP	2	1756.602	-37.00	-13	Pass

Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



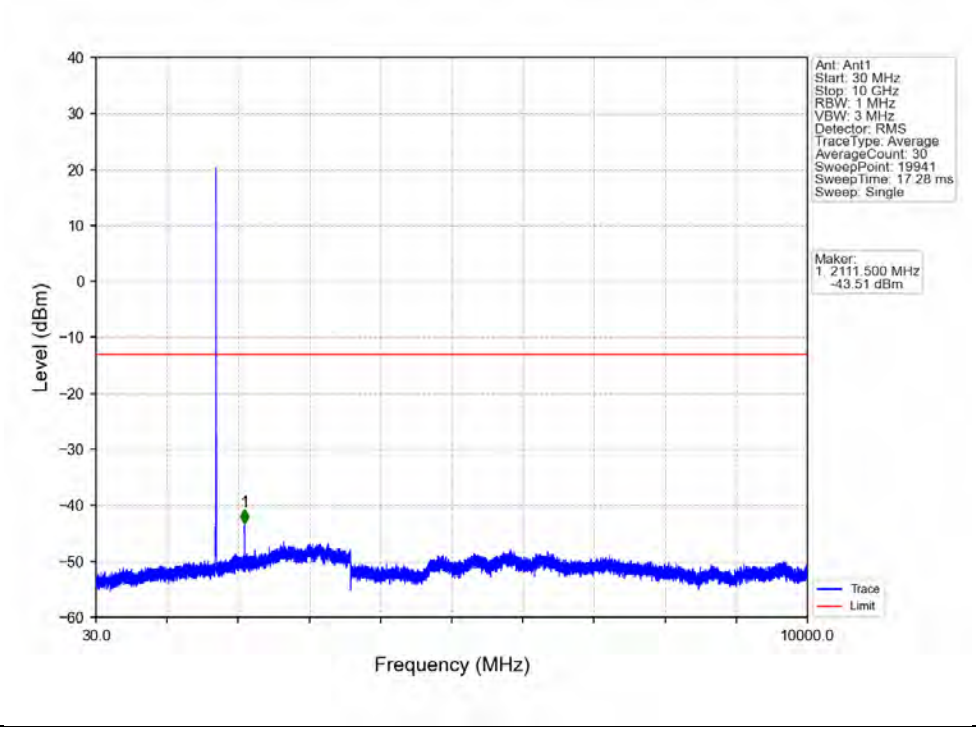
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.056	/	/	/	/	/	/
1755	1756	0.056	/	1	1755.080	-26.66	-13	Pass
1756	1760	1	CHP	2	1756.010	-29.00	-13	Pass

Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

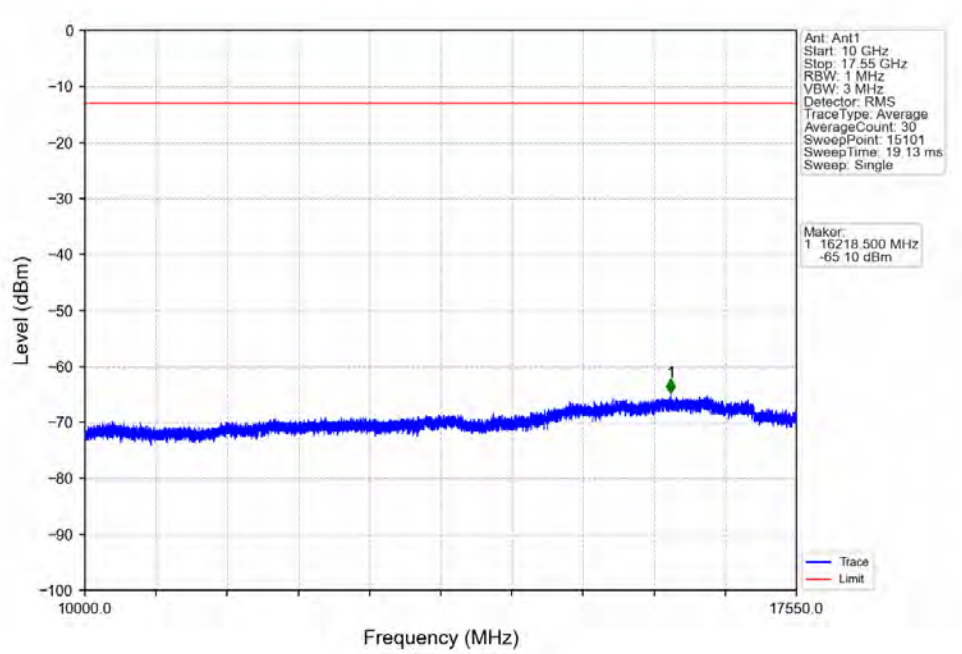


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.383	-37.09	-13	Pass
1709	1710	0.003	/	2	1709.998	-28.17	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

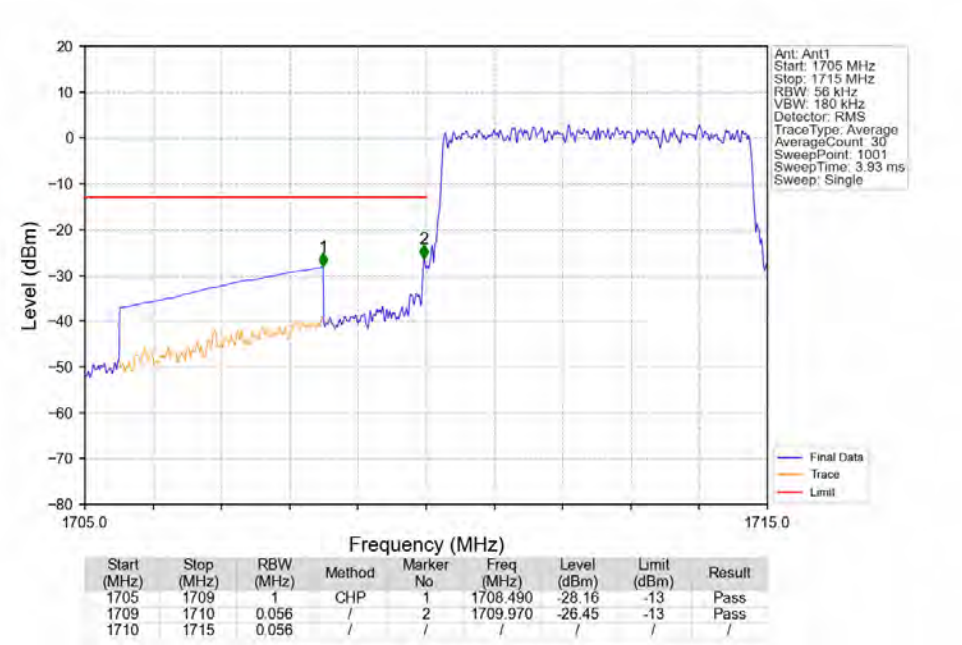
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

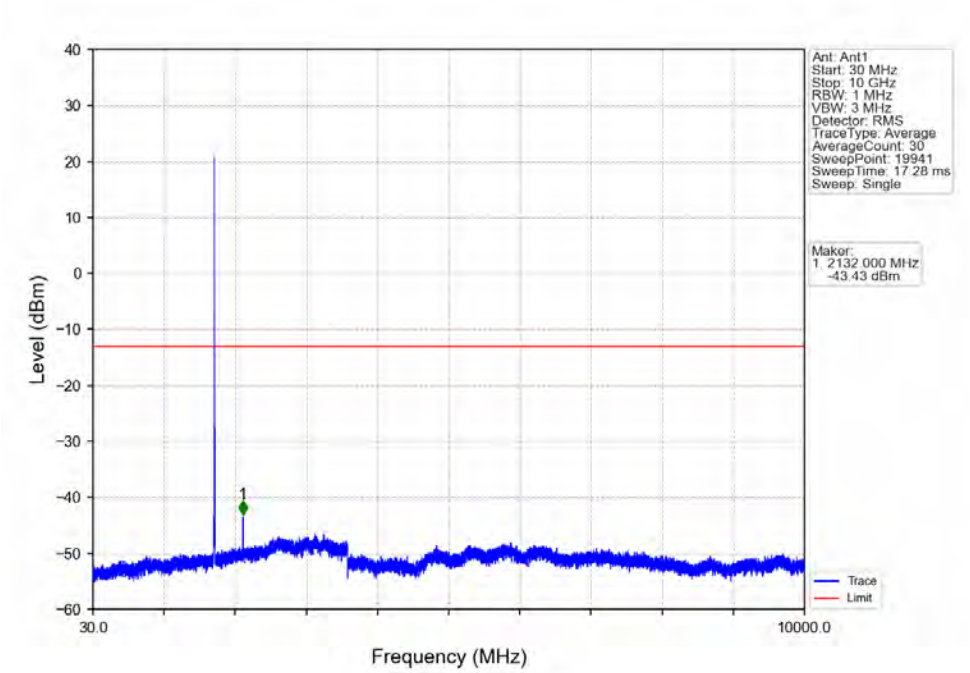


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

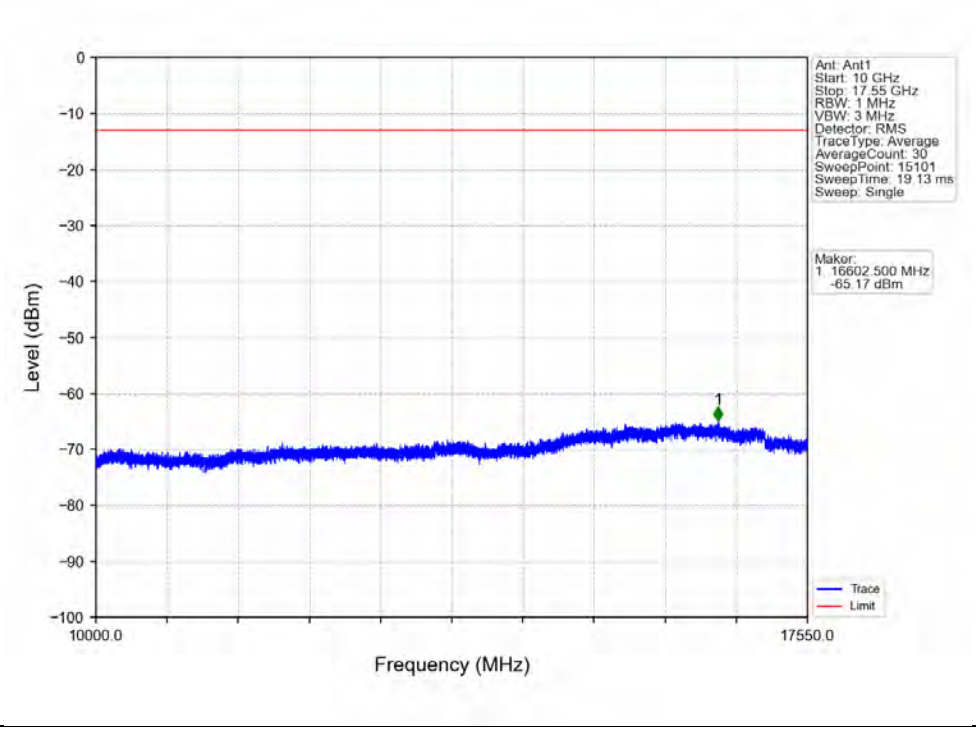


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-28.16	-13	Pass
1709	1710	0.056	/	2	1709.970	-26.45	-13	Pass
1710	1715	0.056	/	/	/	/	/	/

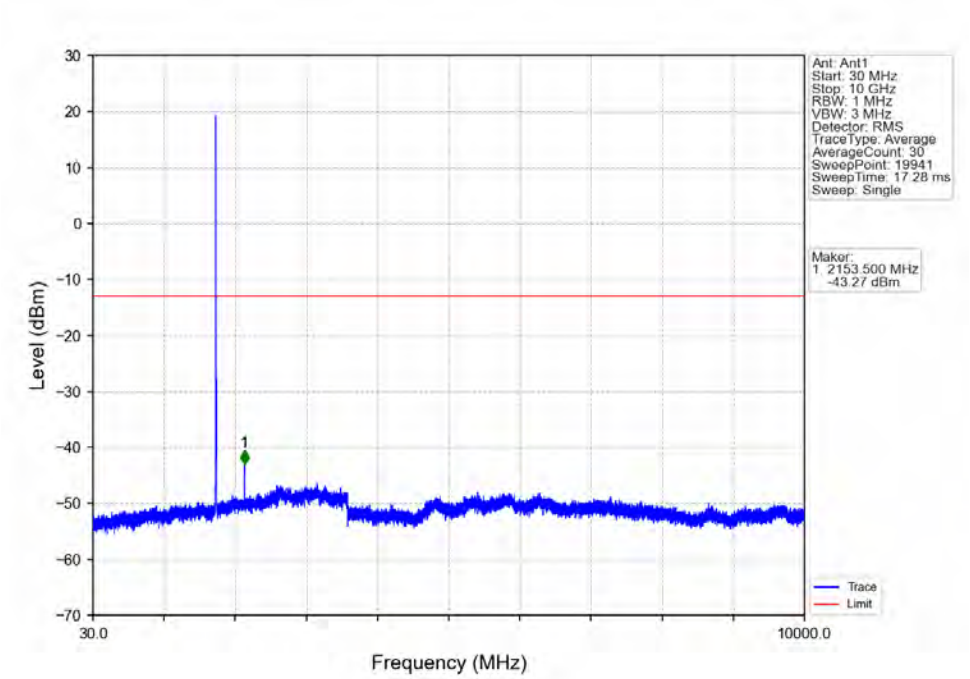
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



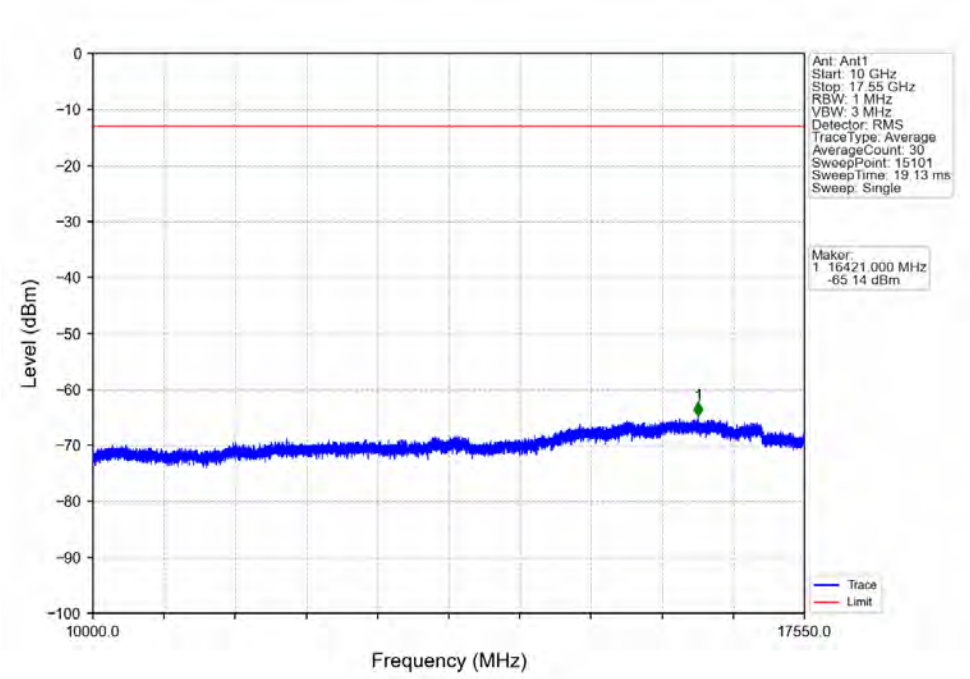
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



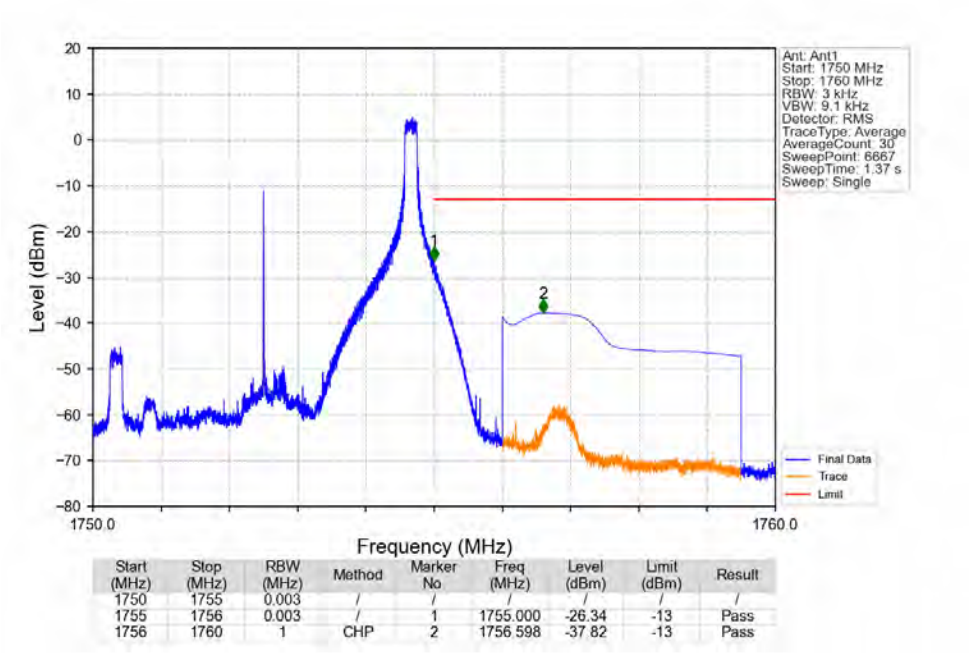
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV

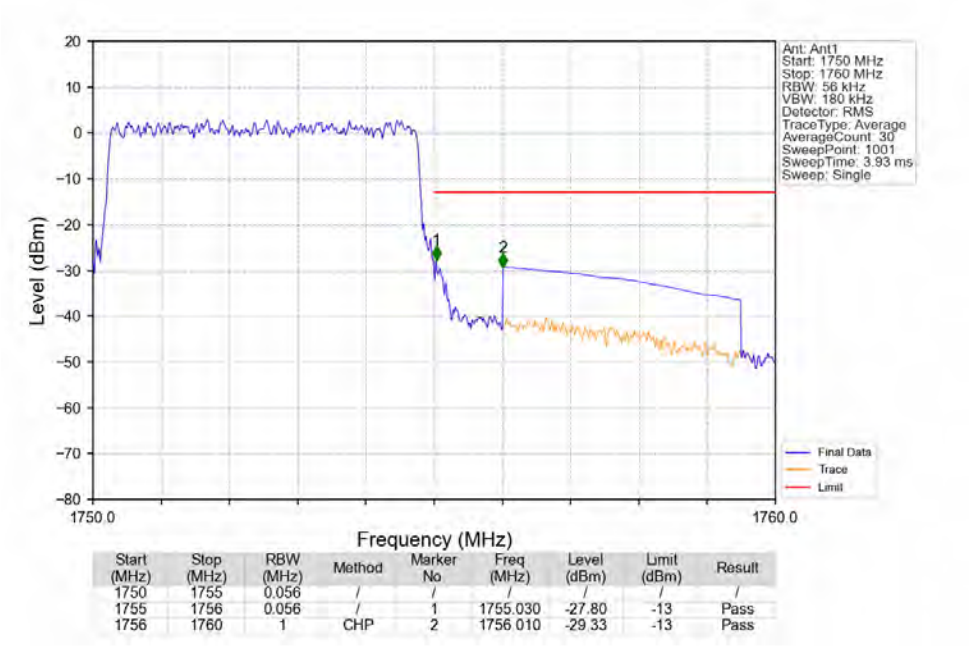


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-26.34	-13	Pass
1756	1760	1	CHP	2	1756.598	-37.82	-13	Pass

Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.056	/	/	/	/	/	/
1755	1756	0.056	/	1	1755.030	-27.80	-13	Pass
1756	1760	1	CHP	2	1756.010	-29.33	-13	Pass

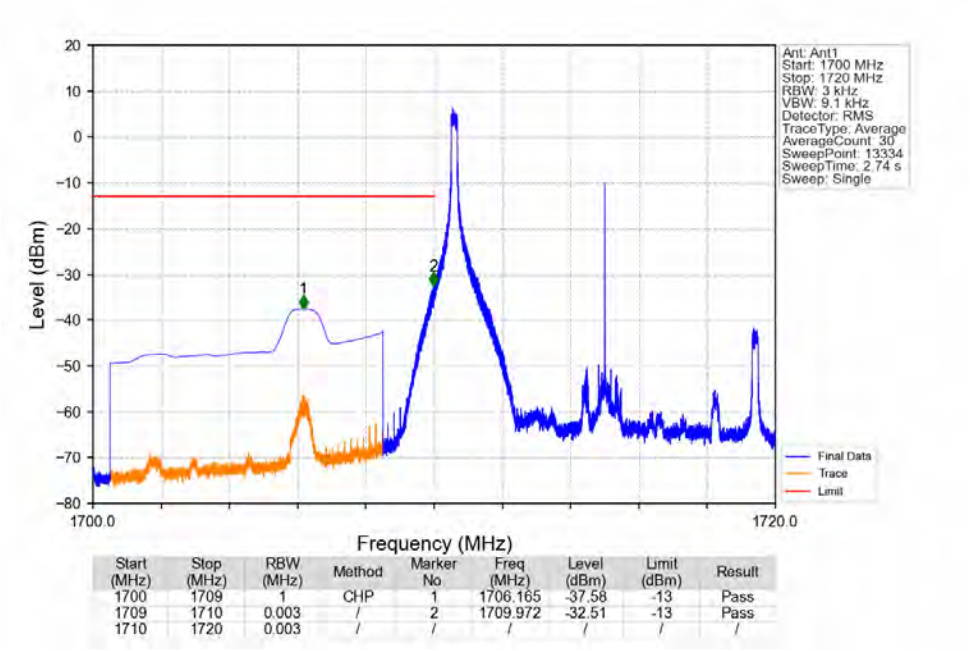
6.4 B4_10MHz

6.4.1 Test Result

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

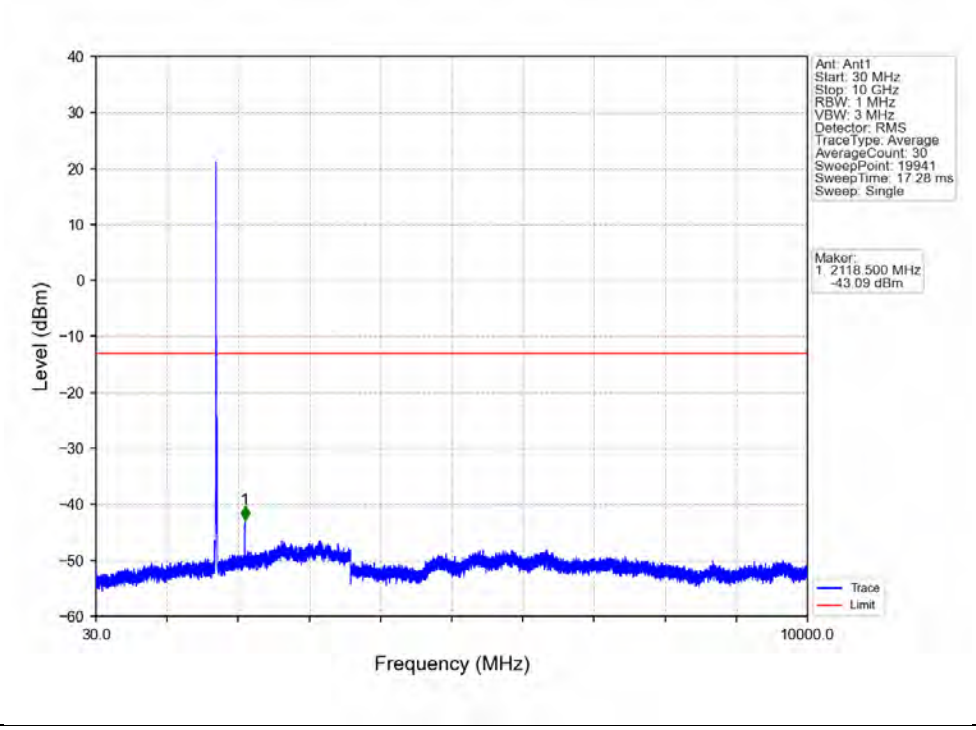
6.4.2 Test Graph

Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

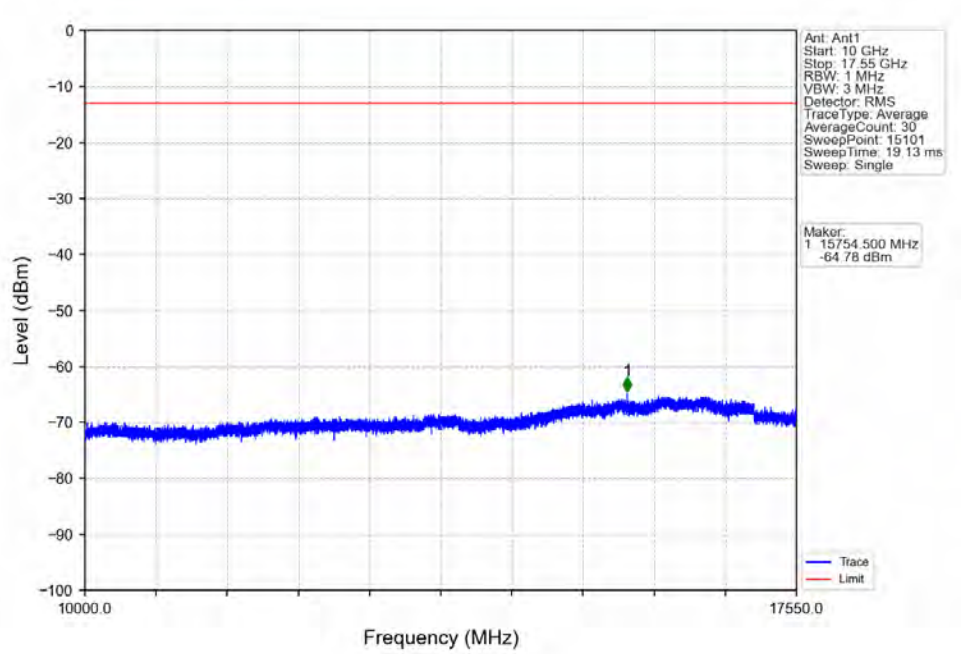


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1706.165	-37.58	-13	Pass
1709	1710	0.003	/	2	1709.972	-32.51	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

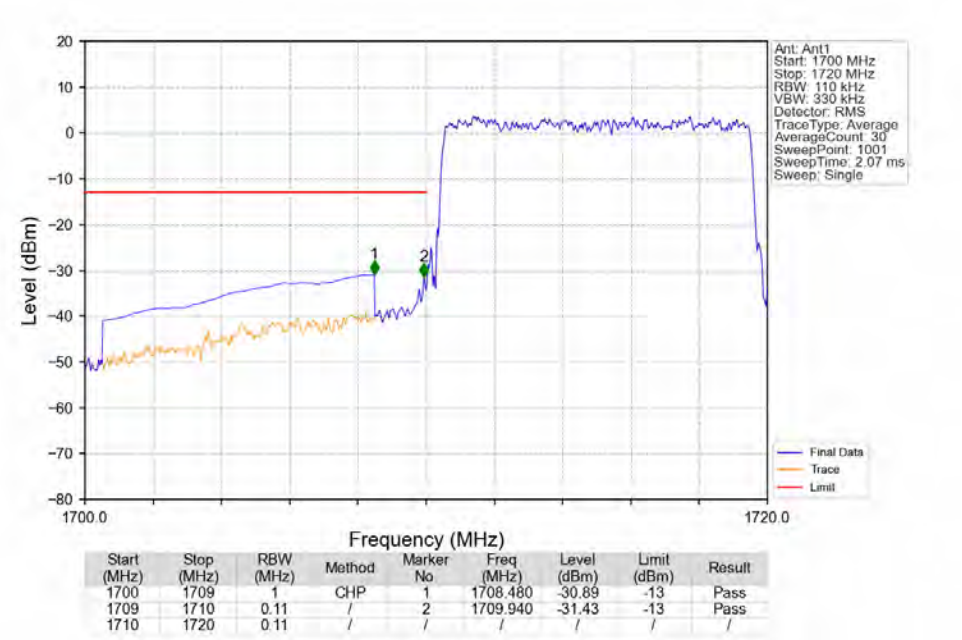
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

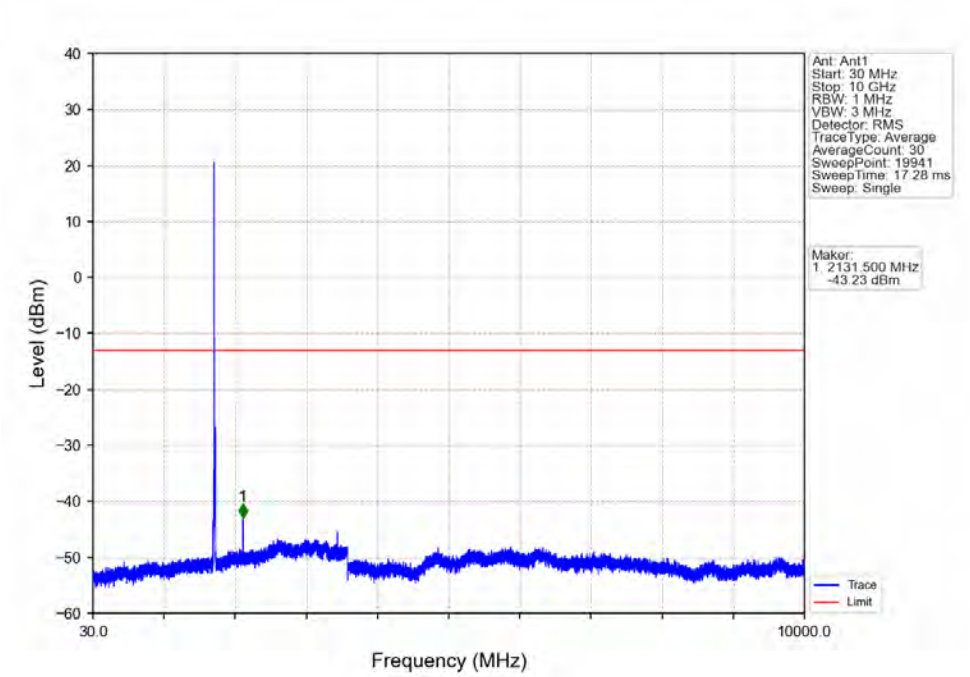


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

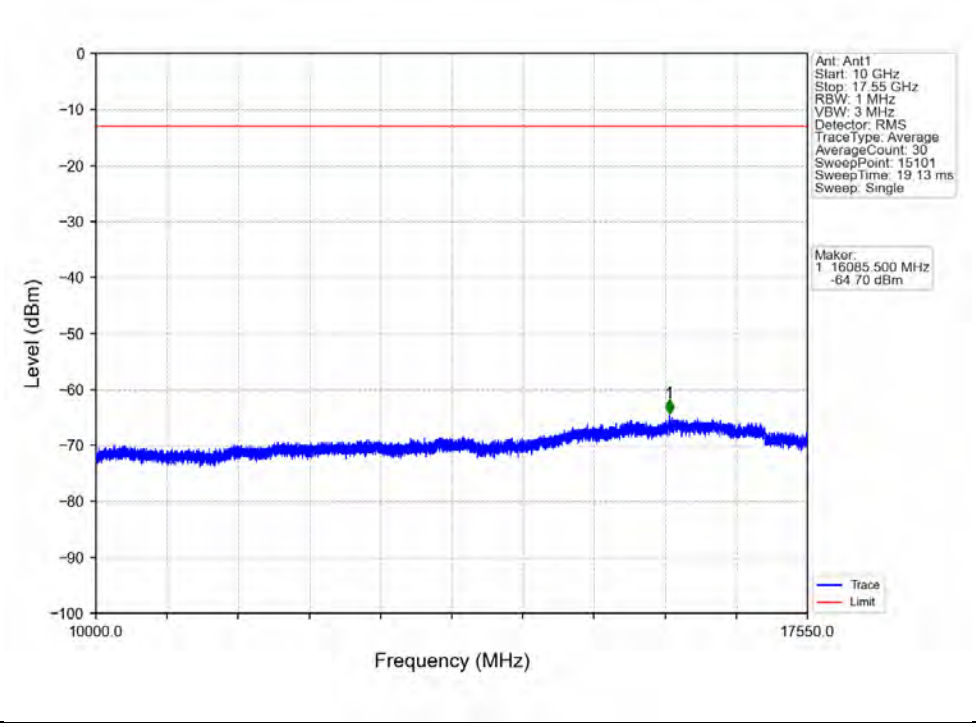


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-30.89	-13	Pass
1709	1710	0.11	/	2	1709.940	-31.43	-13	Pass
1710	1720	0.11	/	/	/	/	/	/

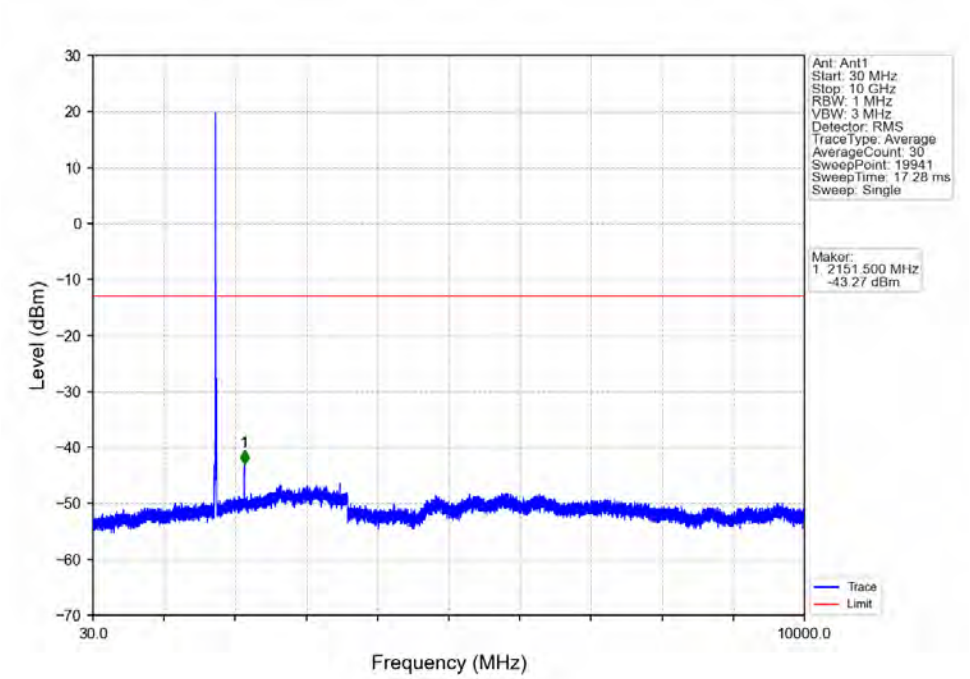
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



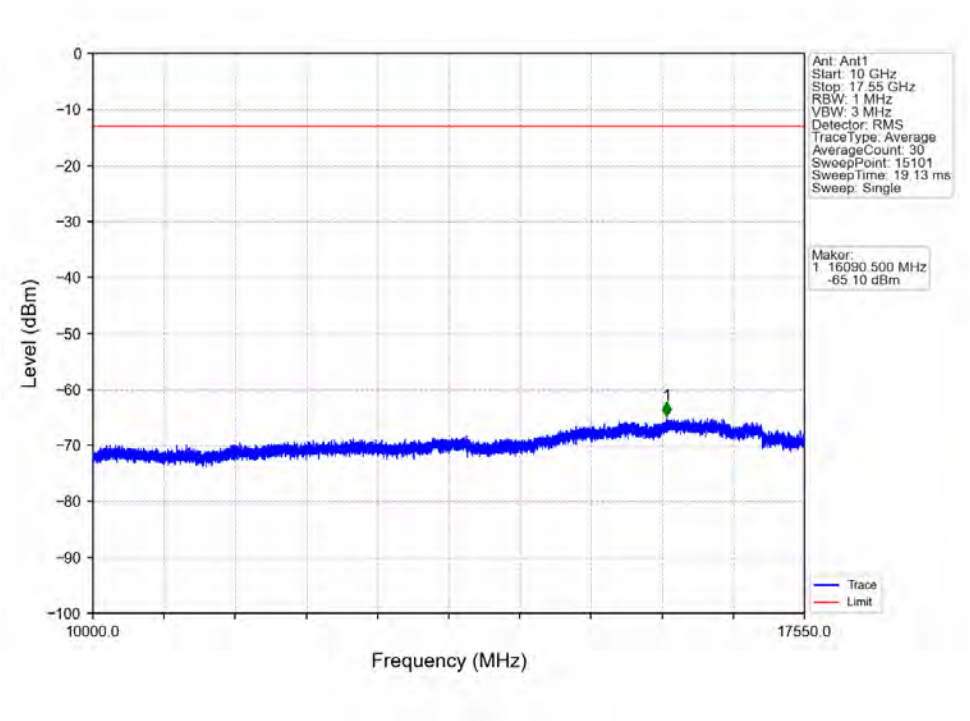
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



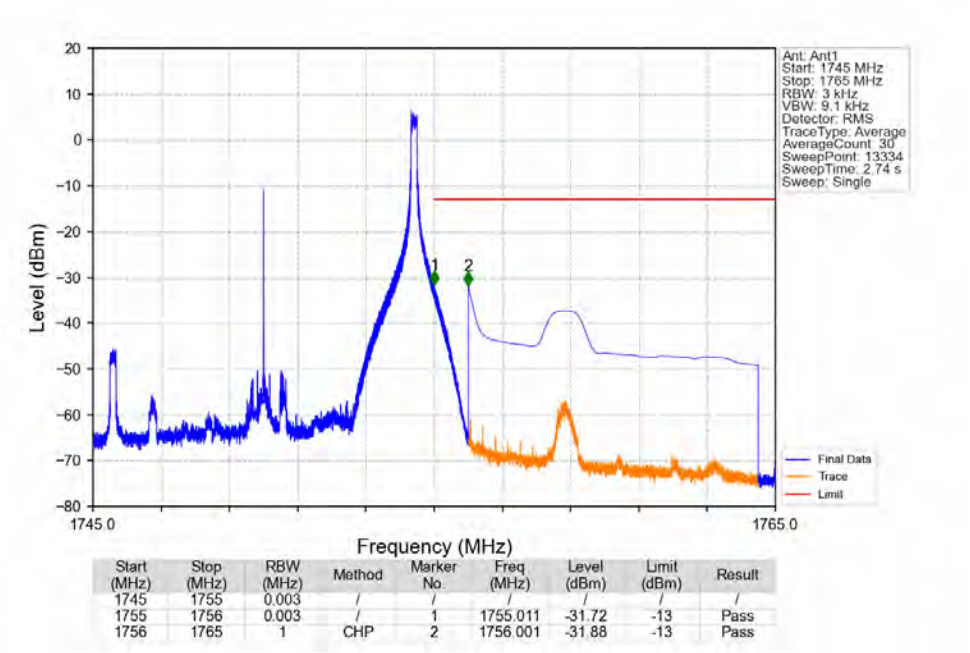
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV

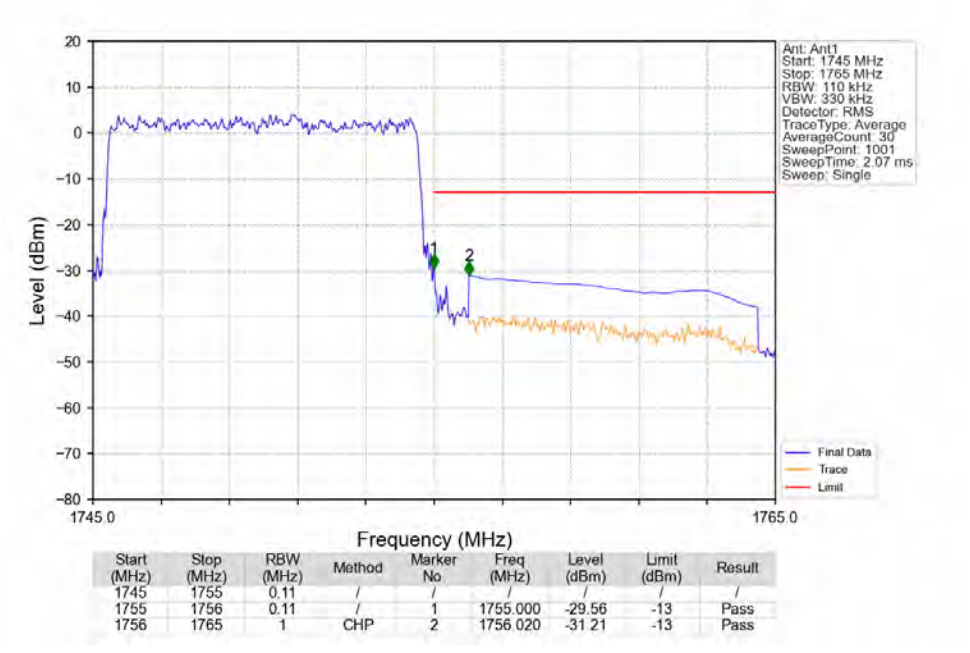


Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



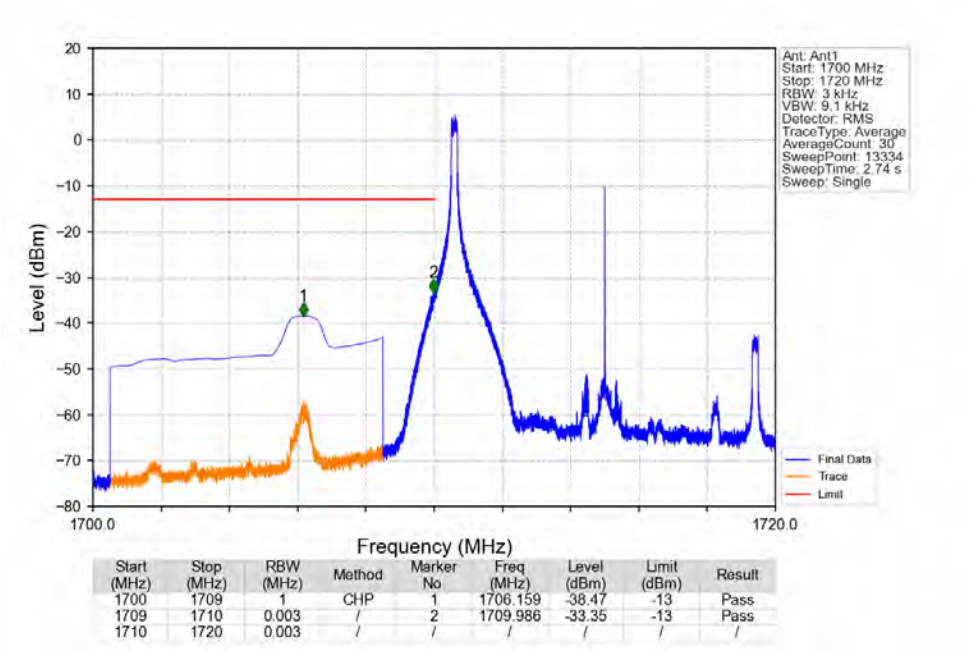
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.011	-31.72	-13	Pass
1756	1765	1	CHP	2	1756.001	-31.88	-13	Pass

Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



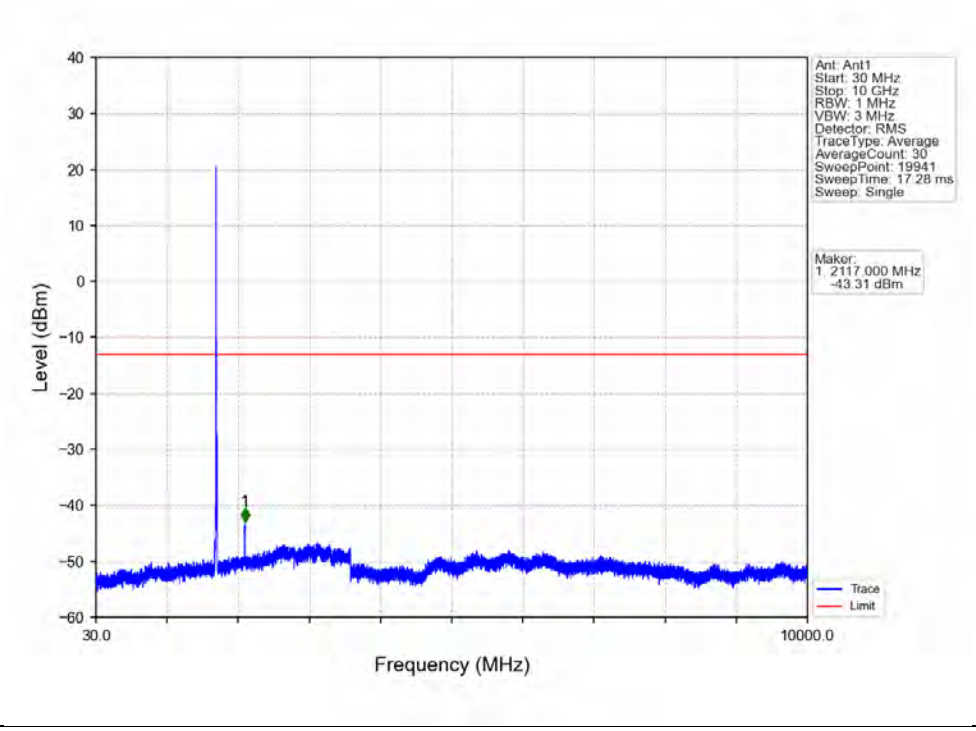
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.11	/	/	/	/	/	/
1755	1756	0.11	/	1	1755.000	-29.56	-13	Pass
1756	1765	1	CHP	2	1756.020	-31.21	-13	Pass

Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

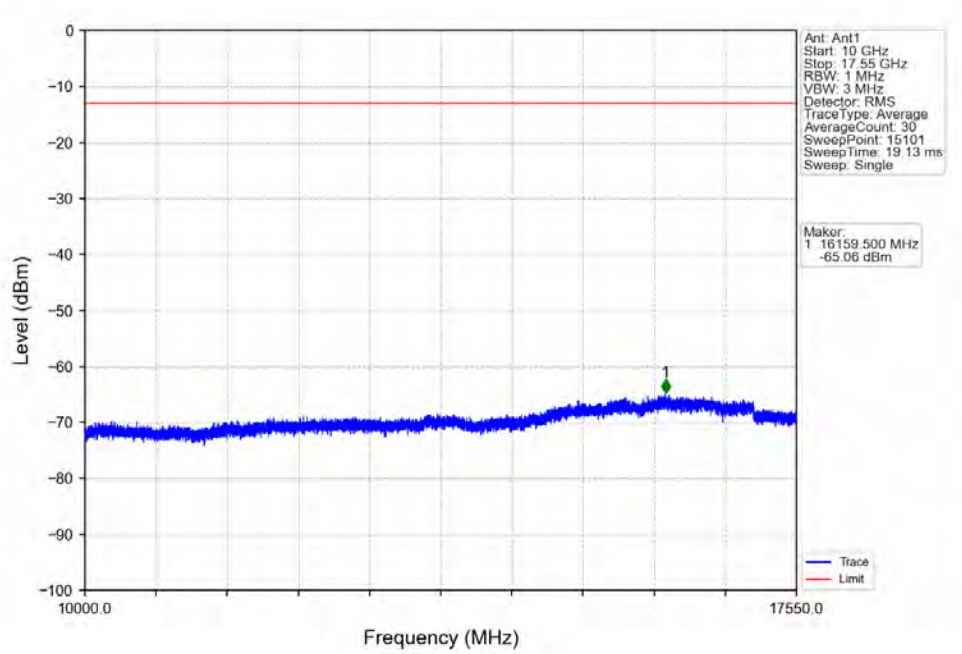


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1706.159	-38.47	-13	Pass
1709	1710	0.003	/	2	1709.986	-33.35	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

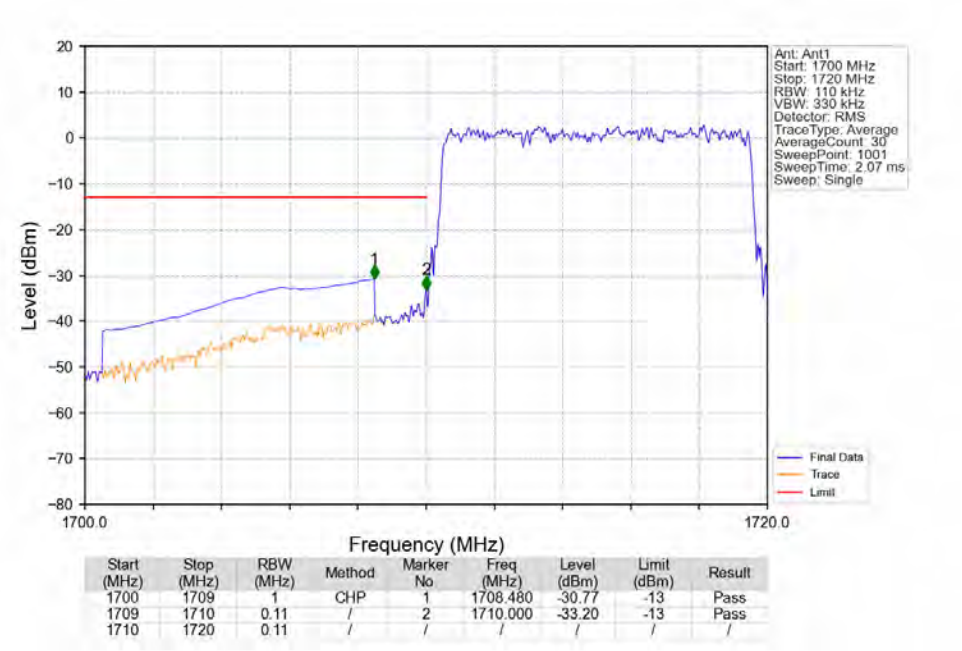
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

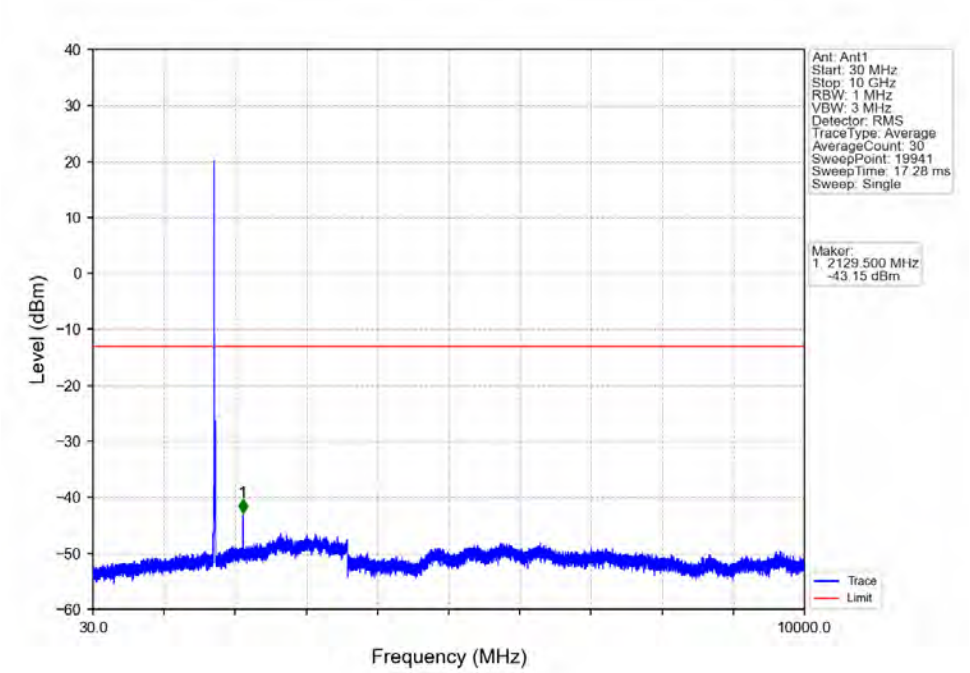


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

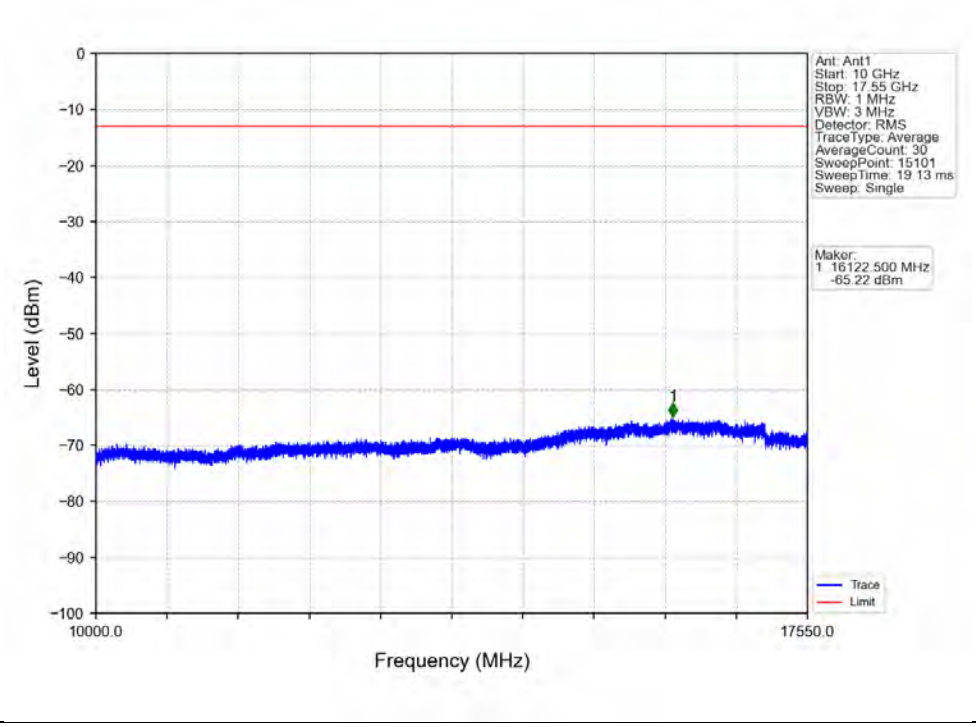


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-30.77	-13	Pass
1709	1710	0.11	/	2	1710.000	-33.20	-13	Pass
1710	1720	0.11	/	/	/	/	/	/

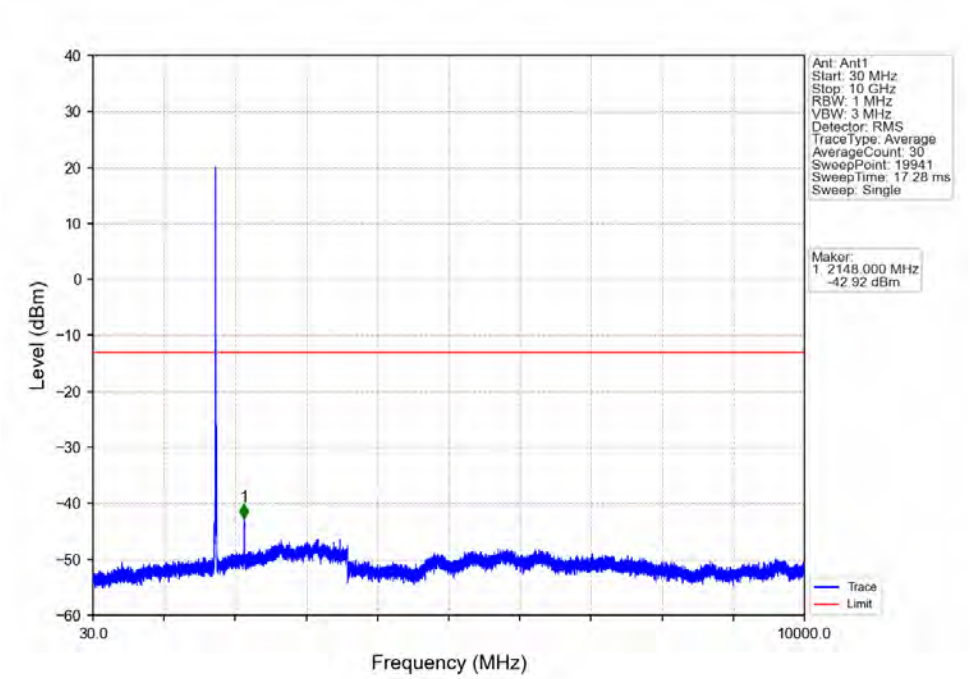
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



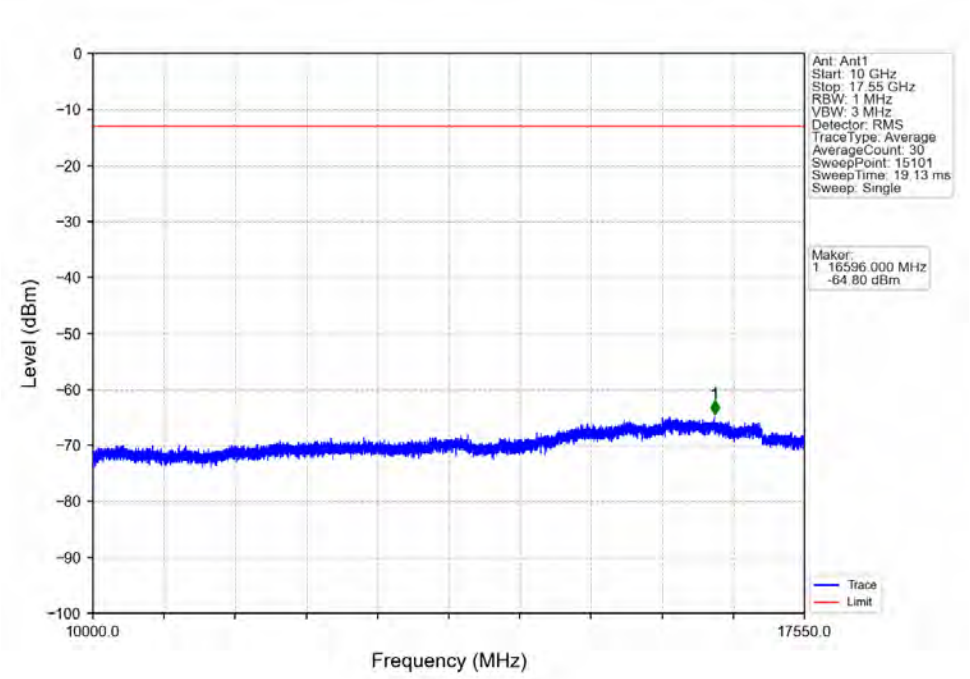
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



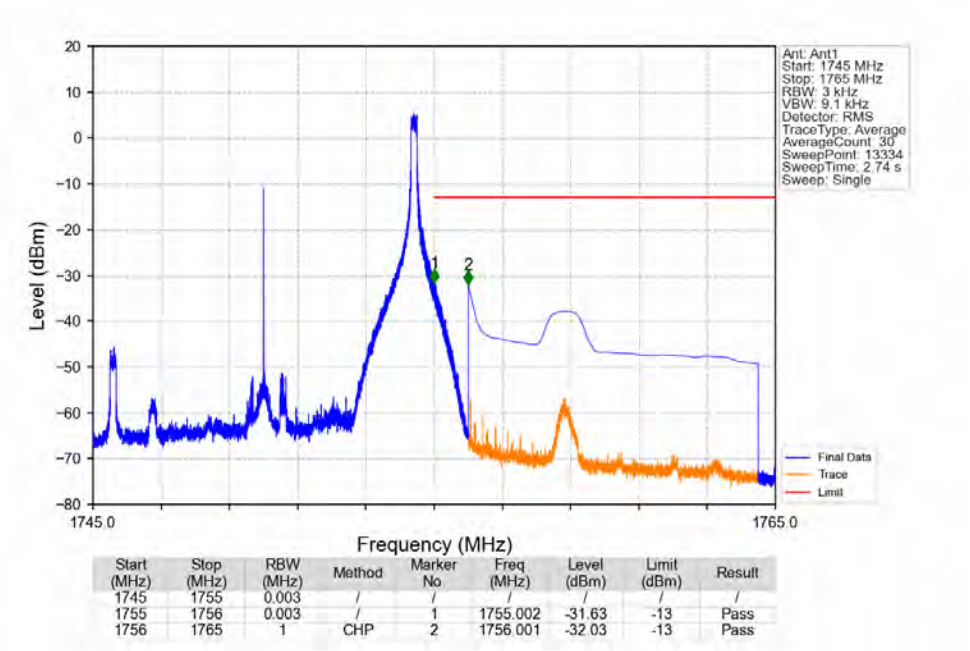
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV

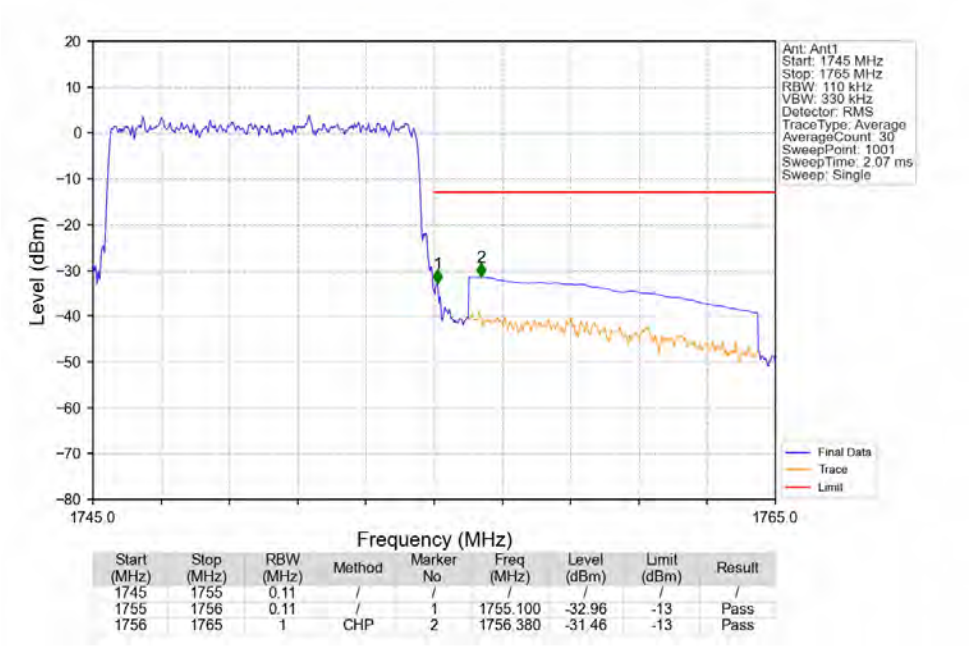


Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-31.63	-13	Pass
1756	1765	1	CHP	2	1756.001	-32.03	-13	Pass

Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.11	/	/	/	/	/	/
1755	1756	0.11	/	1	1755.100	-32.96	-13	Pass
1756	1765	1	CHP	2	1756.380	-31.46	-13	Pass

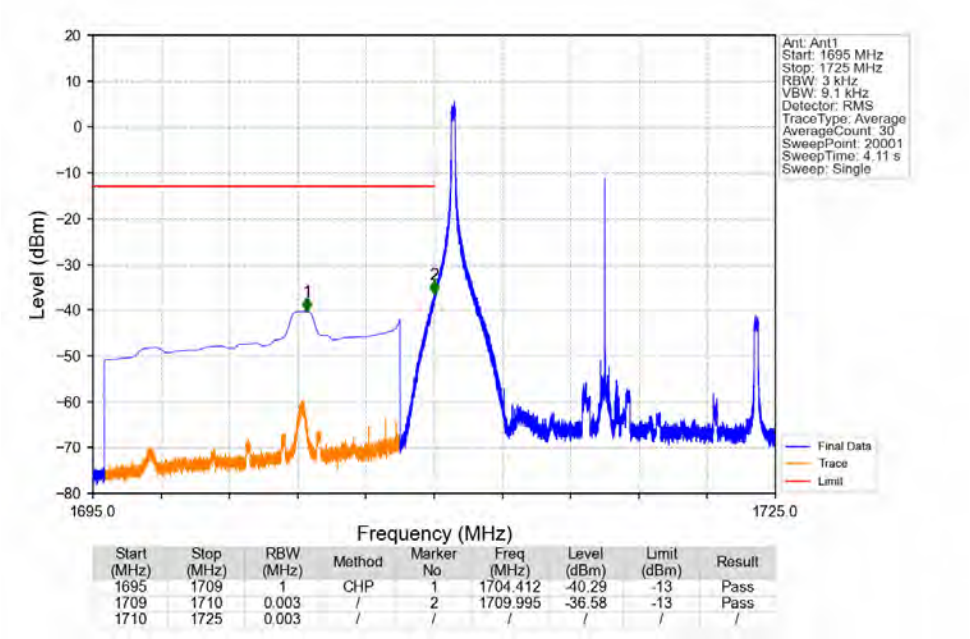
6.5 B4_15MHz

6.5.1 Test Result

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

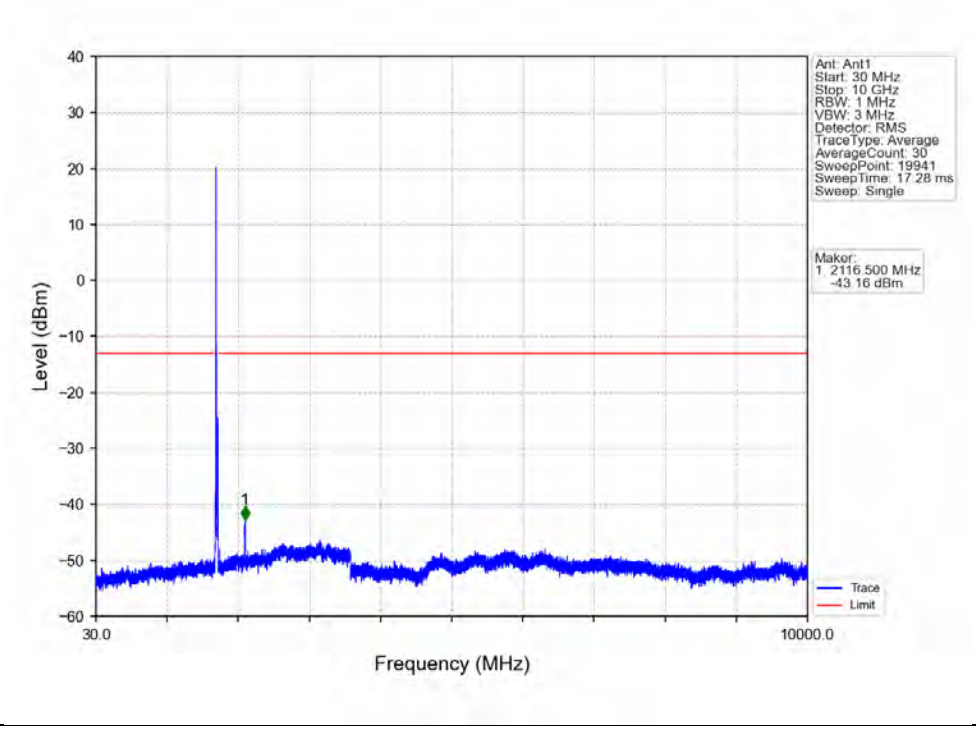
6.5.2 Test Graph

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

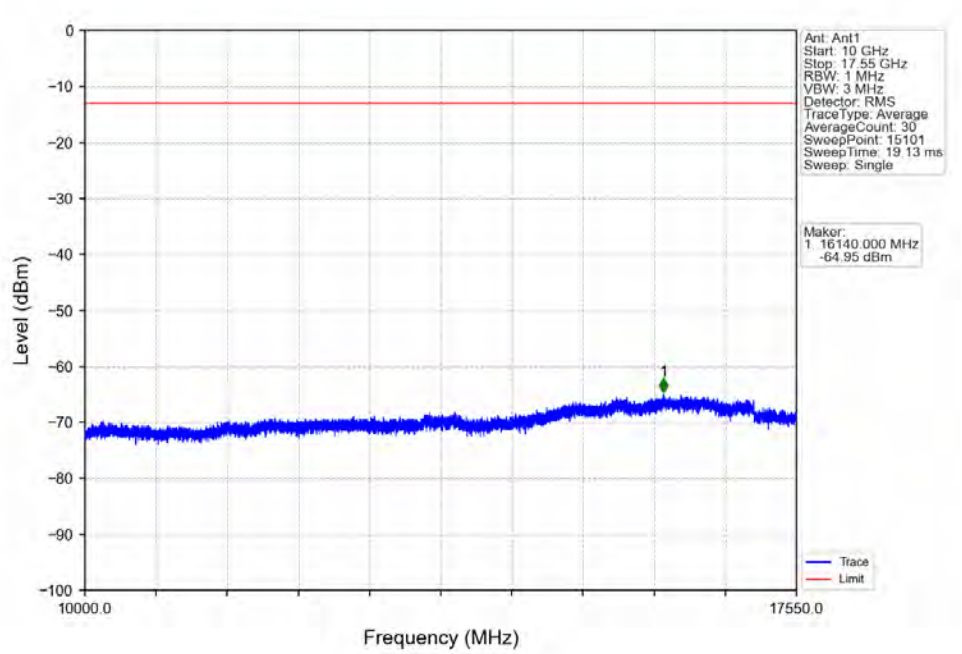


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1704.412	-40.29	-13	Pass
1709	1710	0.003	/	2	1709.995	-36.58	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

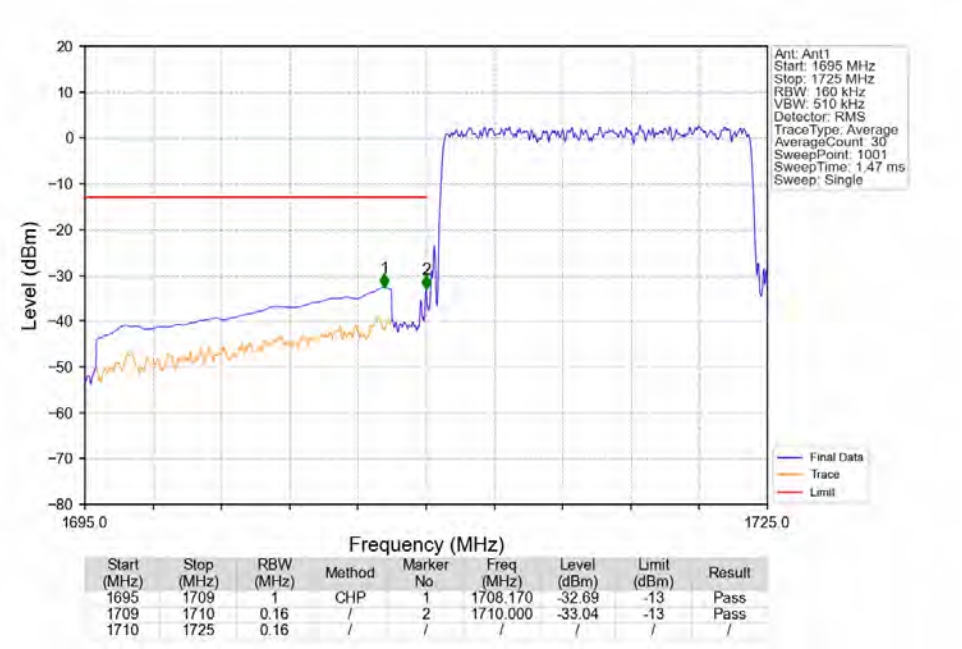
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

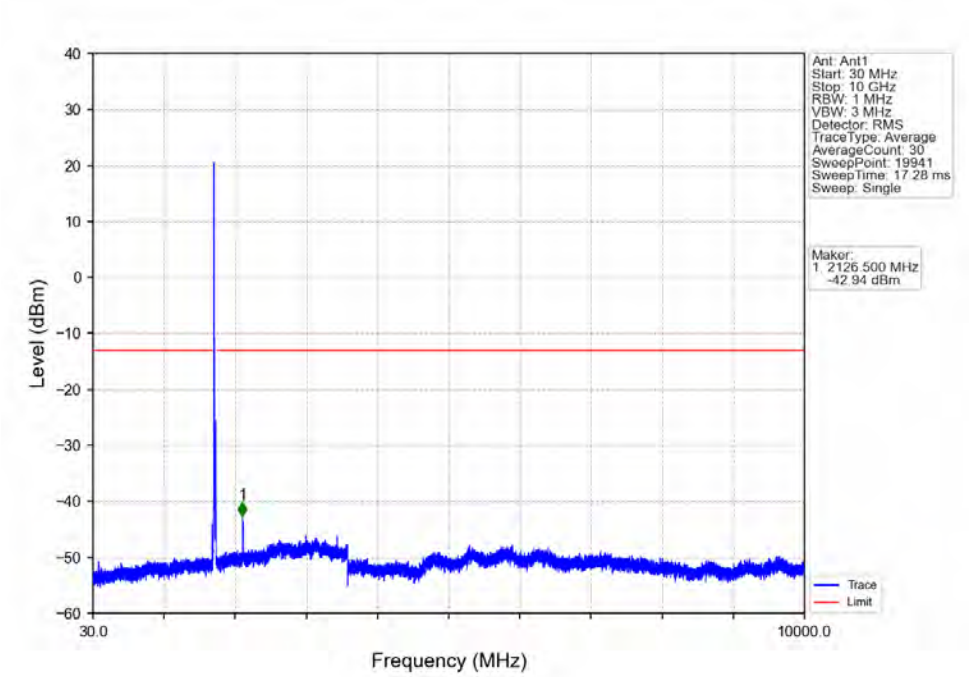


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

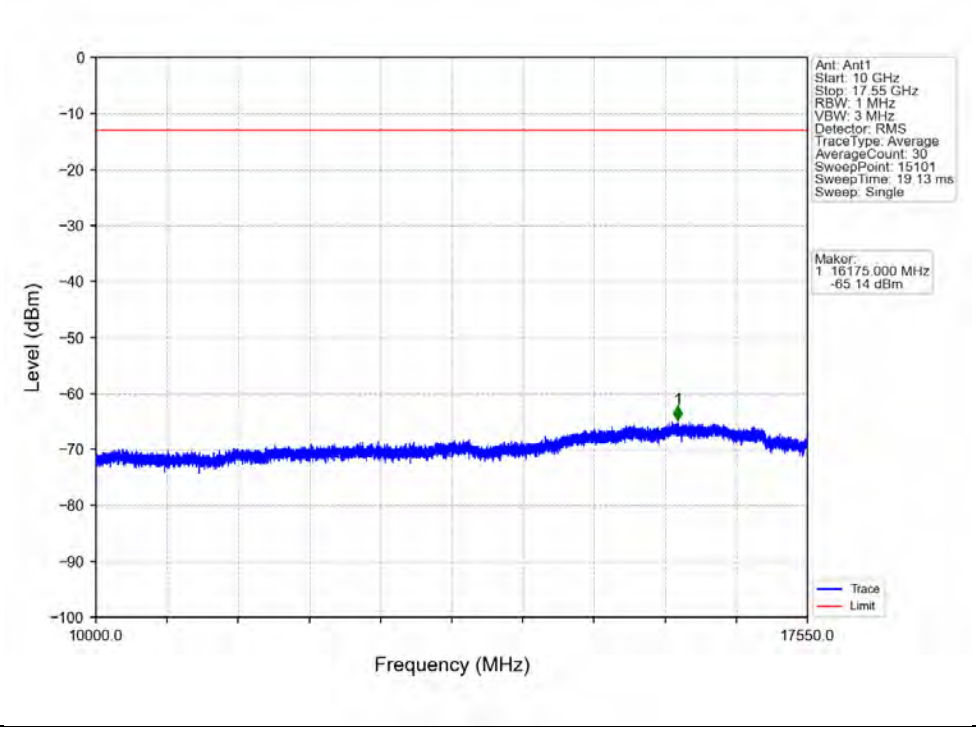


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.170	-32.69	-13	Pass
1709	1710	0.16	/	2	1710.000	-33.04	-13	Pass
1710	1725	0.16	/	/	/	/	/	/

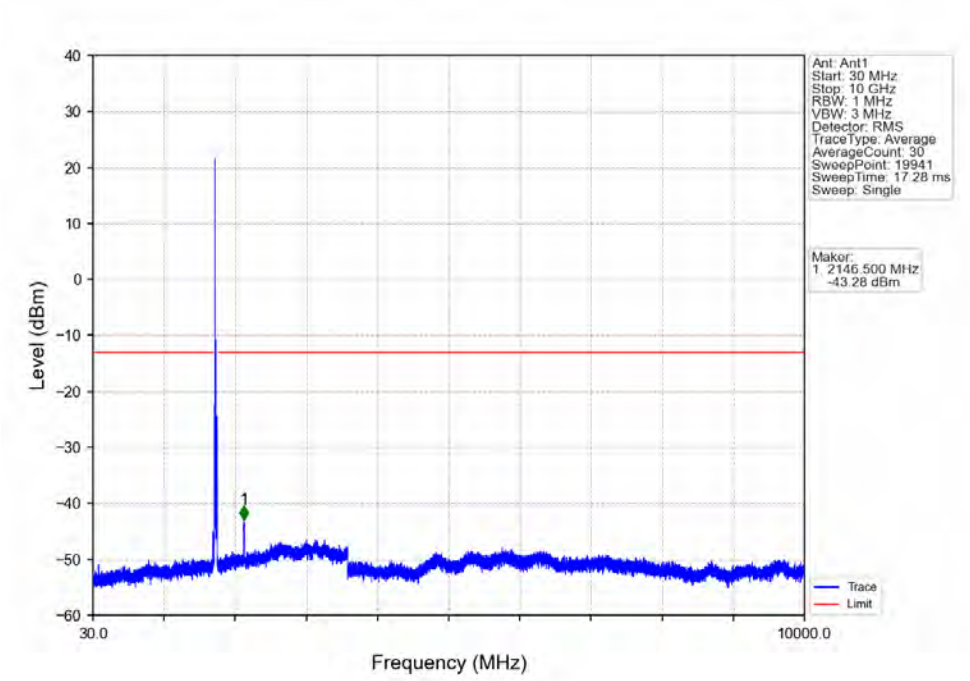
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



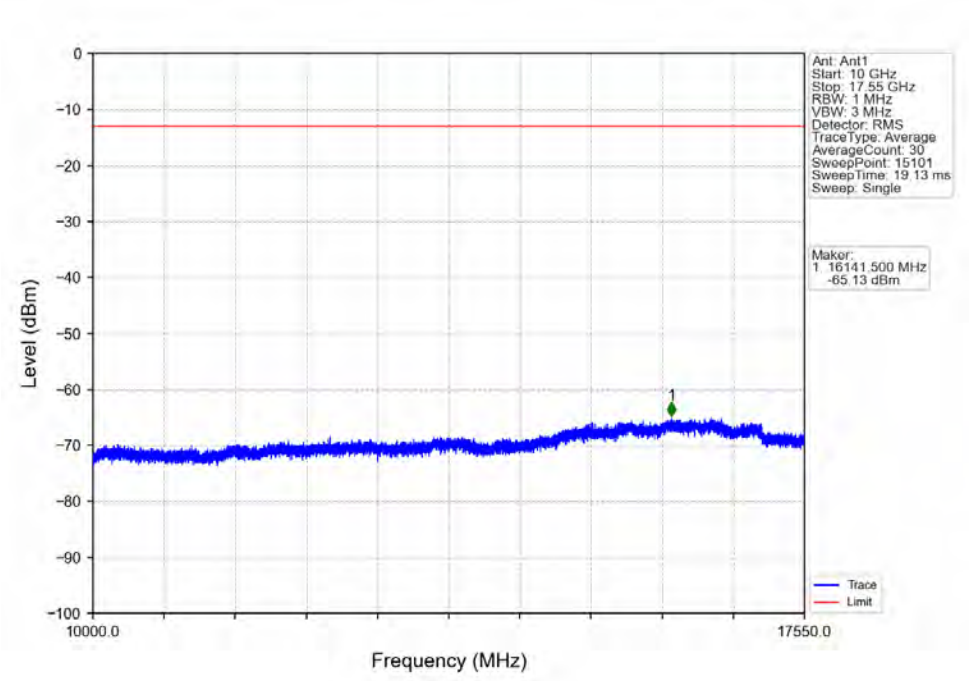
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



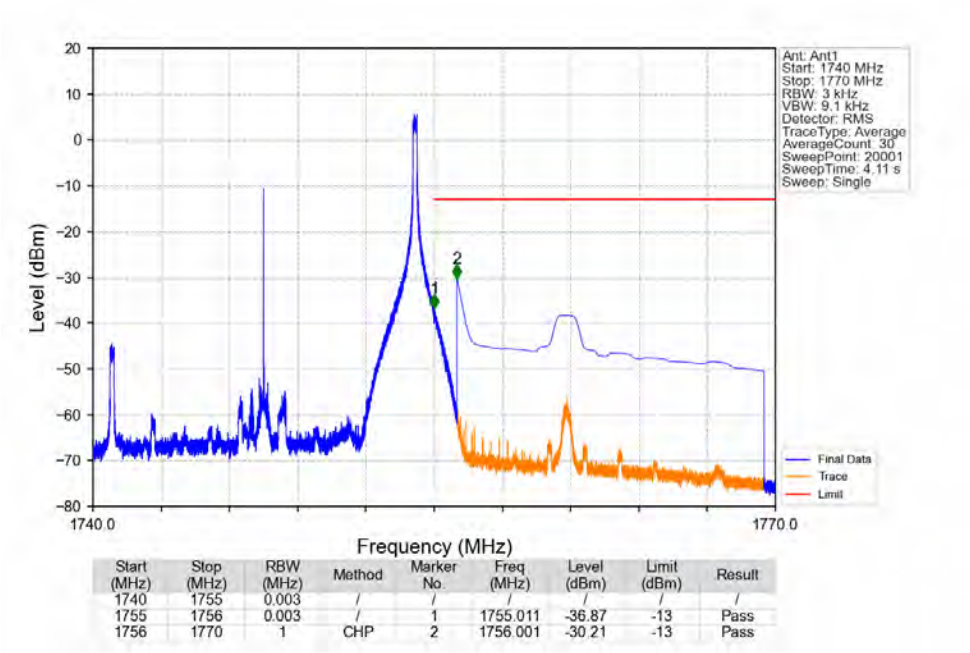
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV

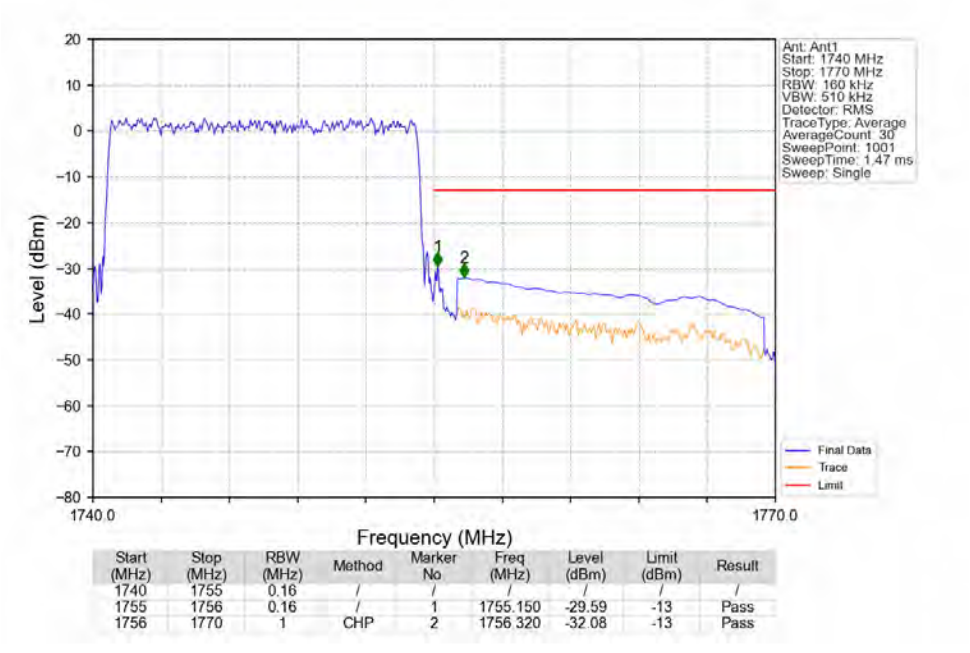


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



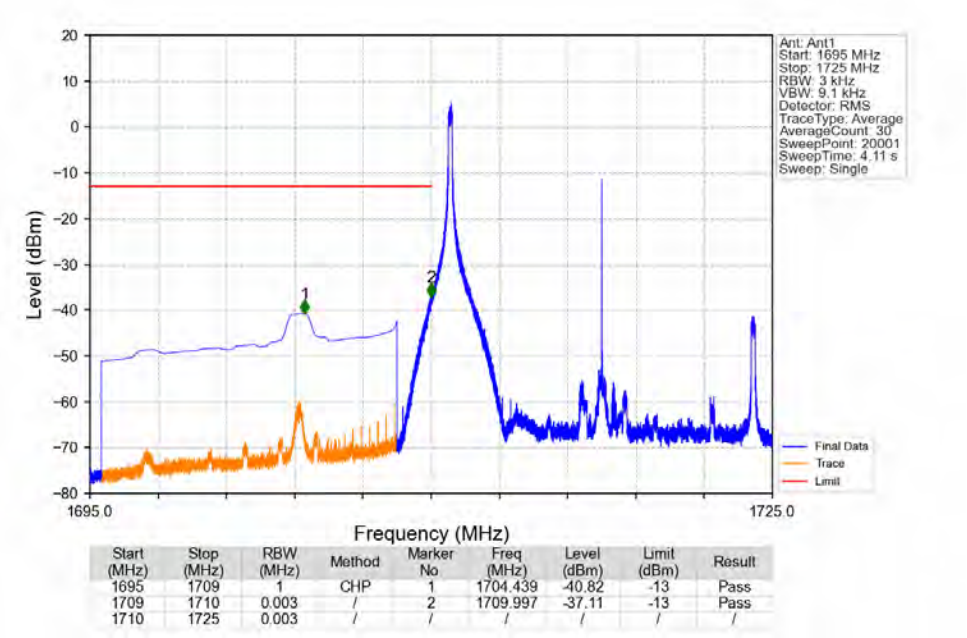
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.011	-36.87	-13	Pass
1756	1770	1	CHP	2	1756.001	-30.21	-13	Pass

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



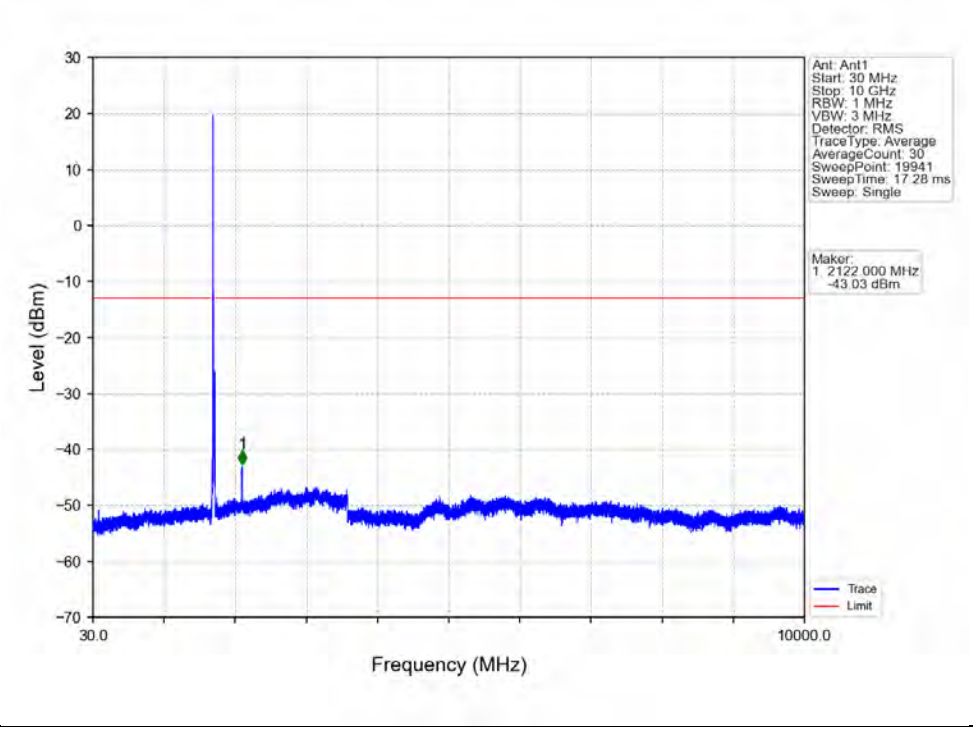
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.16	/	/	/	/	/	/
1755	1756	0.16	/	1	1755.150	-29.59	-13	Pass
1756	1770	1	CHP	2	1756.320	-32.08	-13	Pass

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

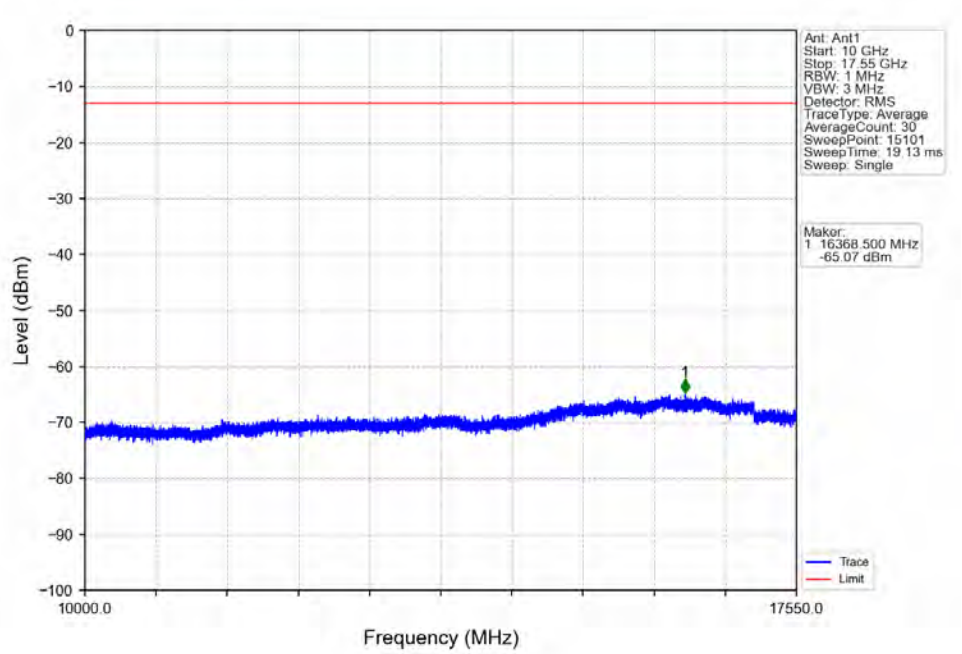


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1704.439	-40.82	-13	Pass
1709	1710	0.003	/	2	1709.997	-37.11	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

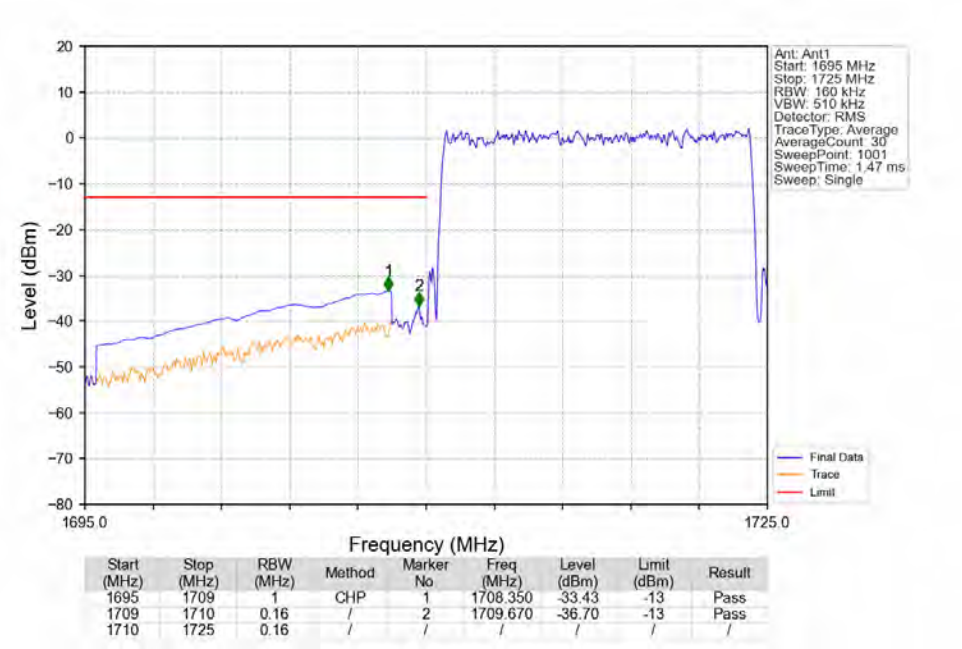
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

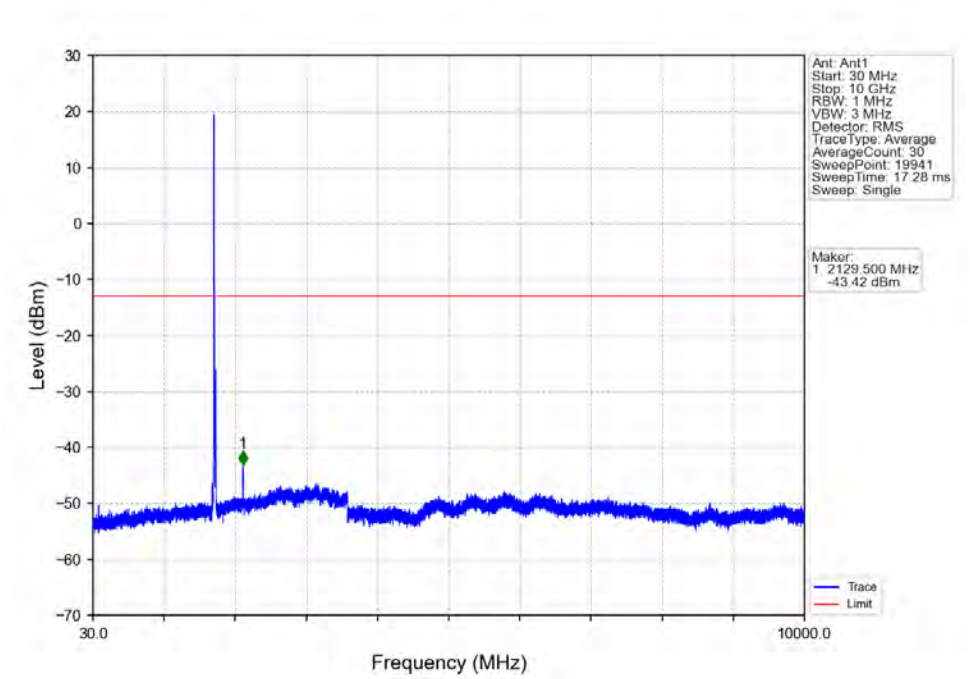


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

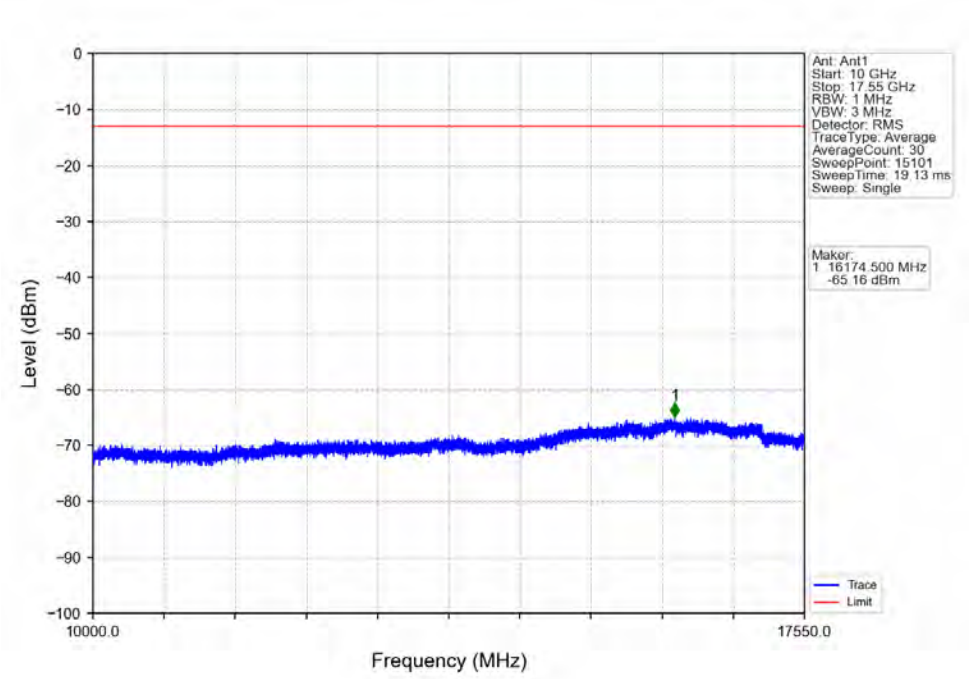


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.350	-33.43	-13	Pass
1709	1710	0.16	/	2	1709.670	-36.70	-13	Pass
1710	1725	0.16	/	/	/	/	/	/

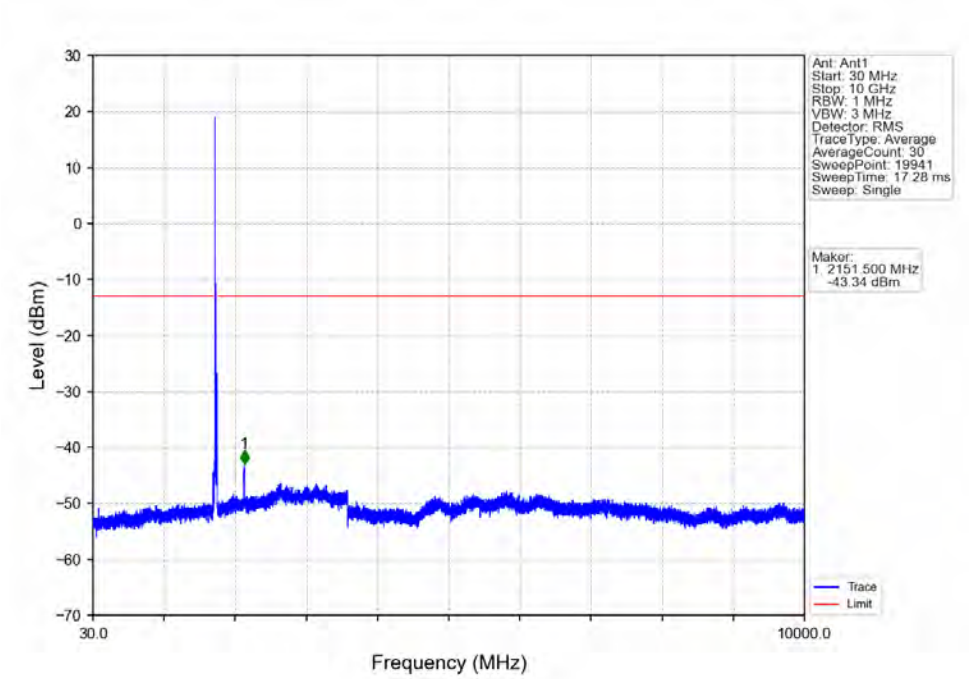
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



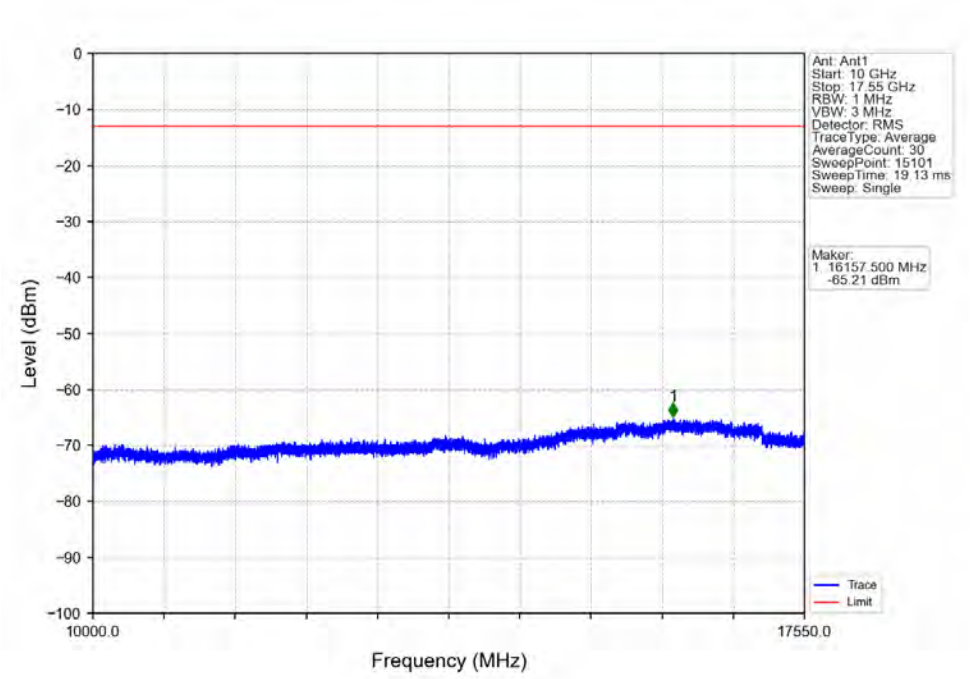
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



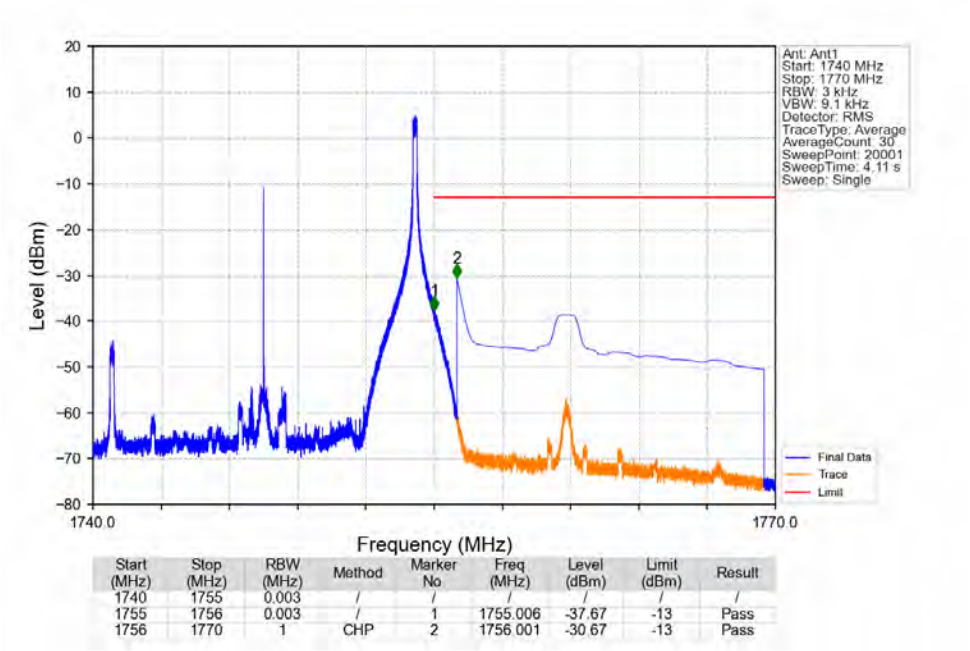
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV

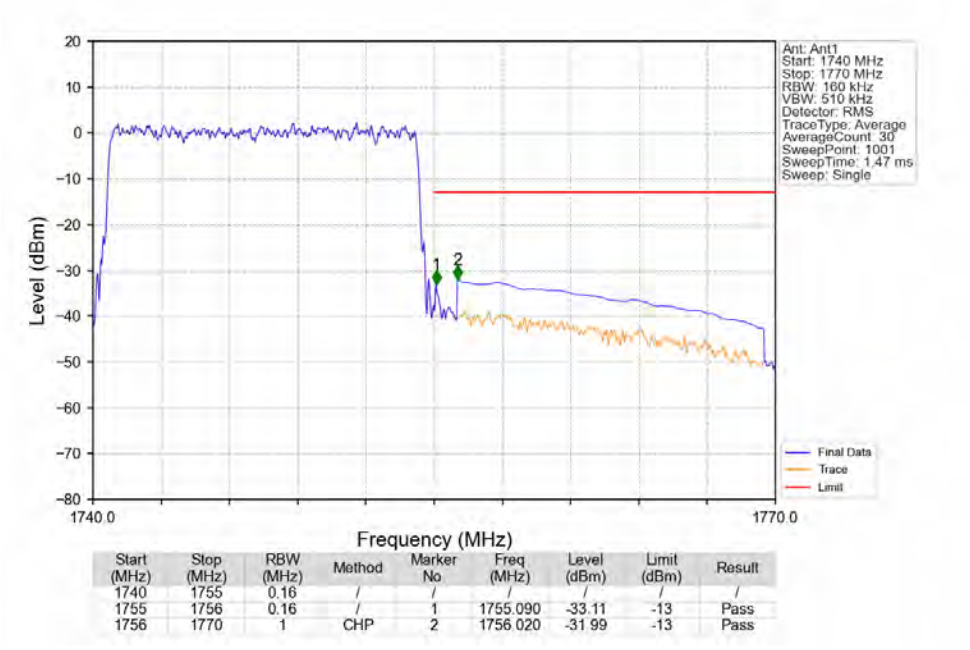


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.006	-37.67	-13	Pass
1756	1770	1	CHP	2	1756.001	-30.67	-13	Pass

Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.16	/	/	/	/	/	/
1755	1756	0.16	/	1	1755.090	-33.11	-13	Pass
1756	1770	1	CHP	2	1756.020	-31.99	-13	Pass

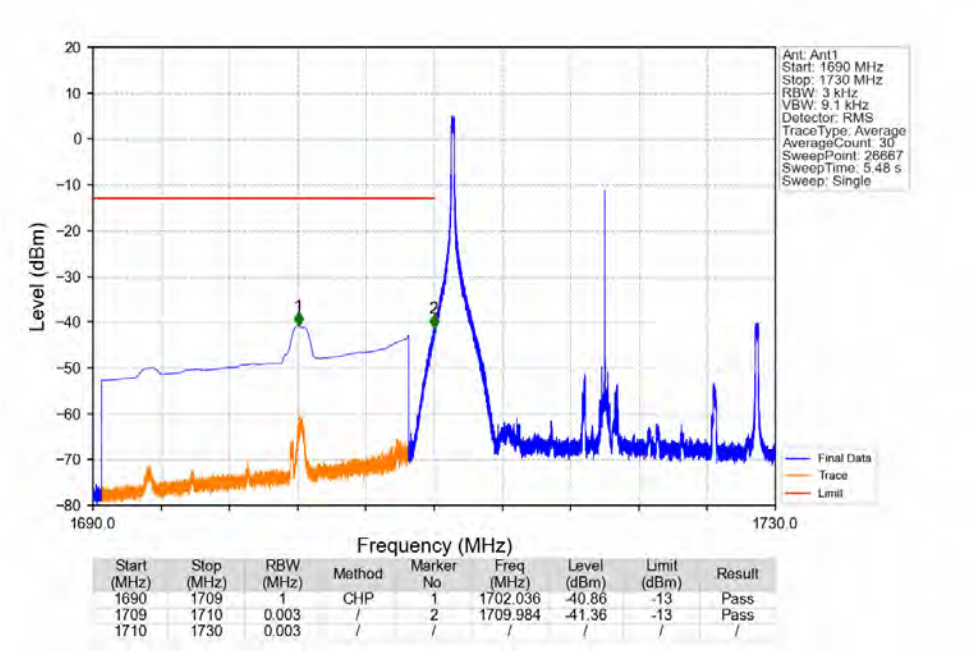
6.6 B4_20MHz

6.6.1 Test Result

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

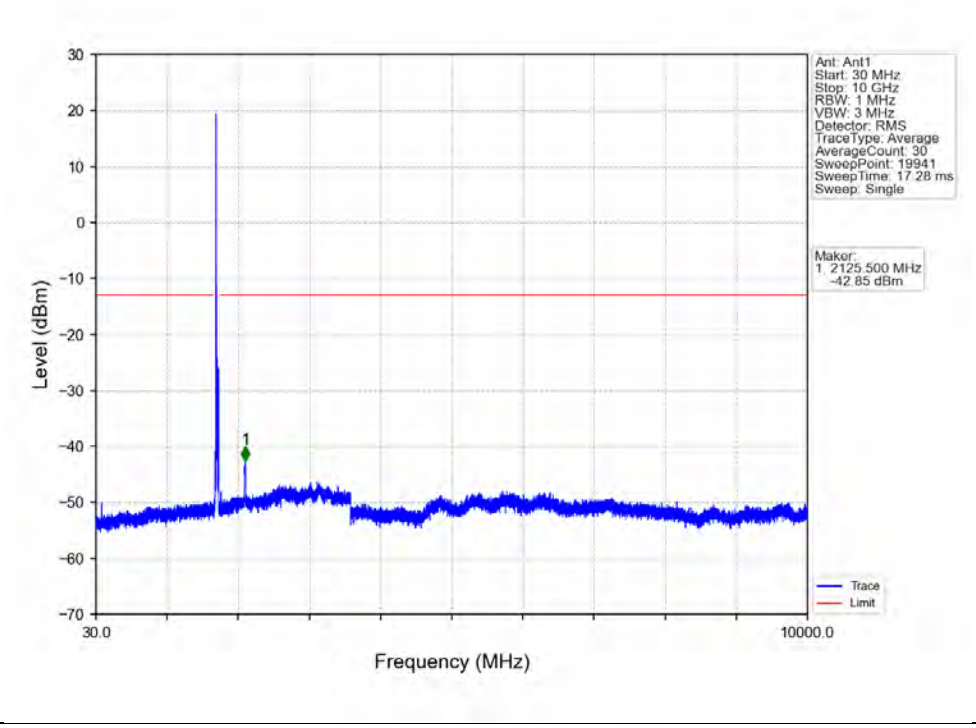
6.6.2 Test Graph

Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

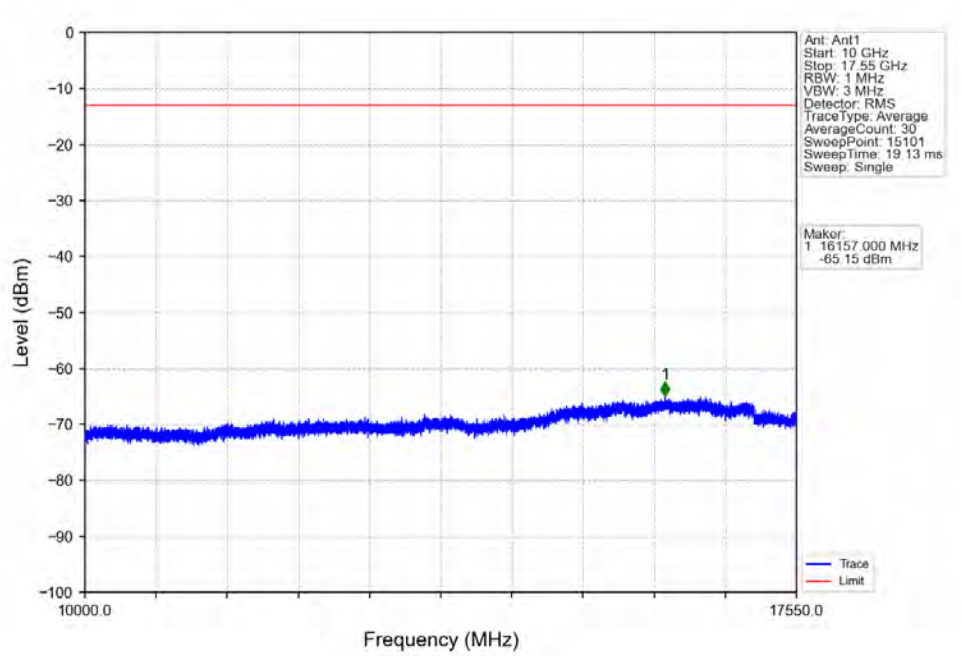


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1702.036	-40.86	-13	Pass
1709	1710	0.003	/	2	1709.984	-41.36	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

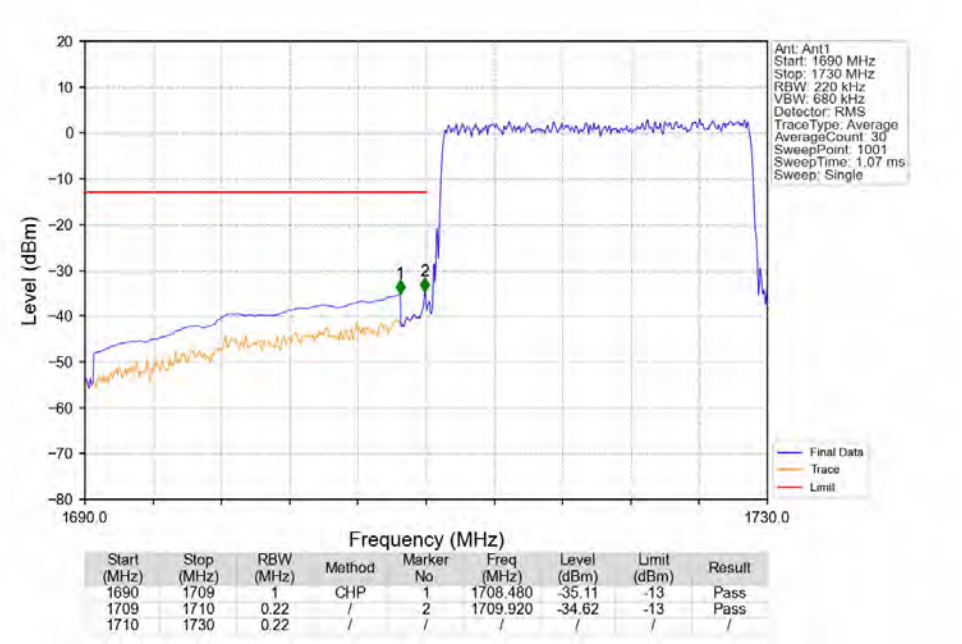
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

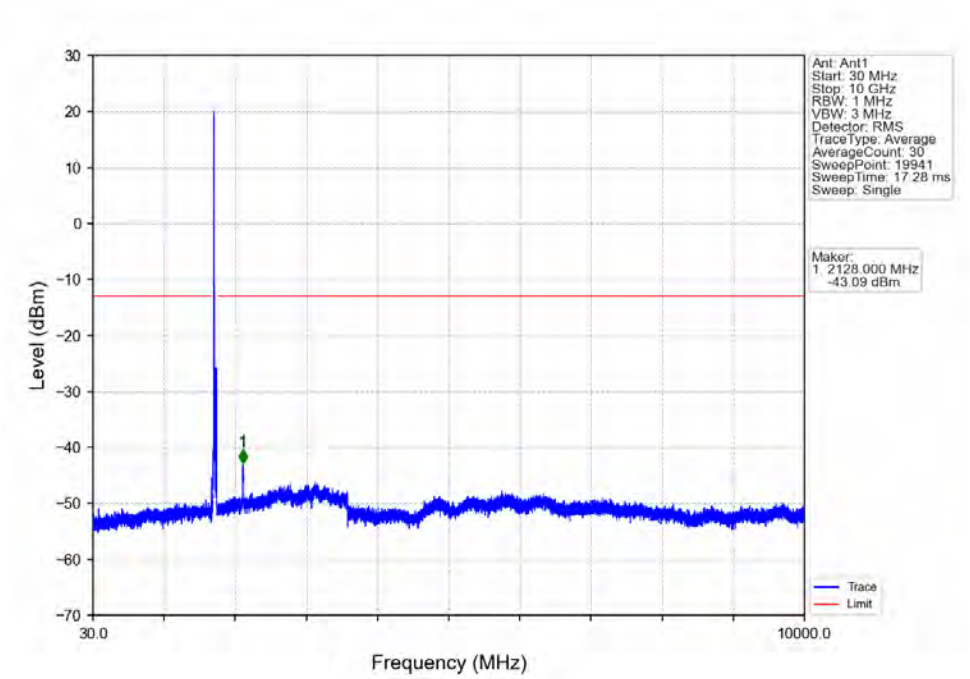


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

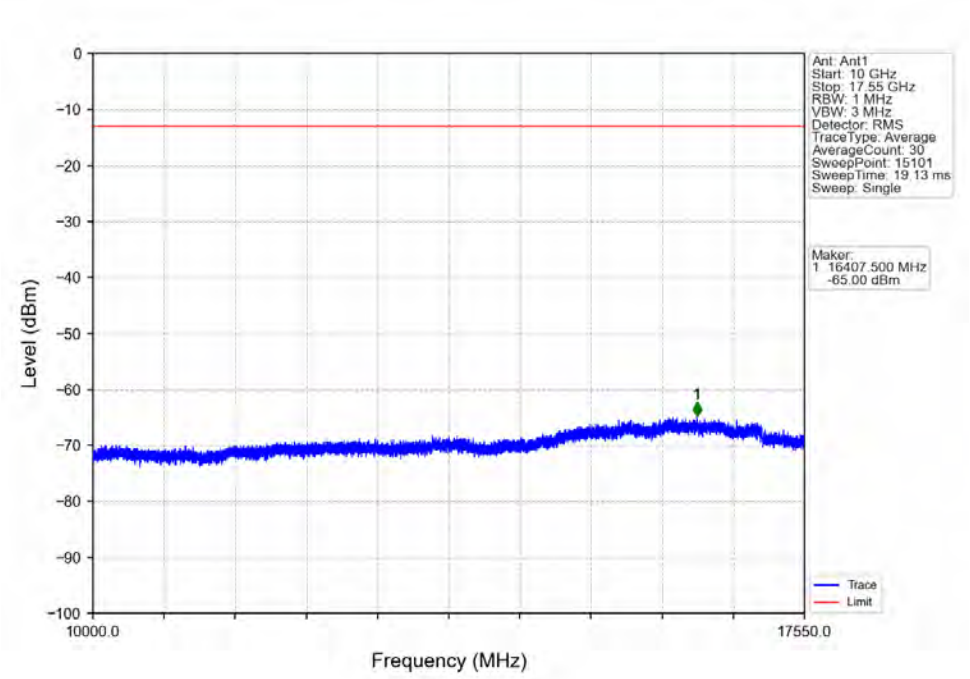


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-35.11	-13	Pass
1709	1710	0.22	/	2	1709.920	-34.62	-13	Pass
1710	1730	0.22	/	/	/	/	/	/

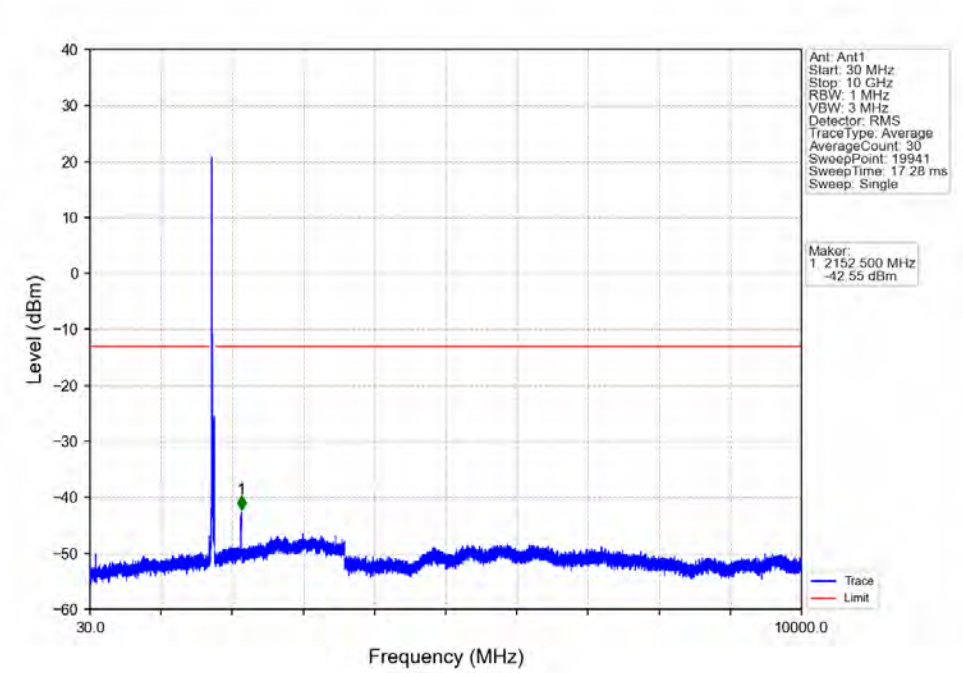
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



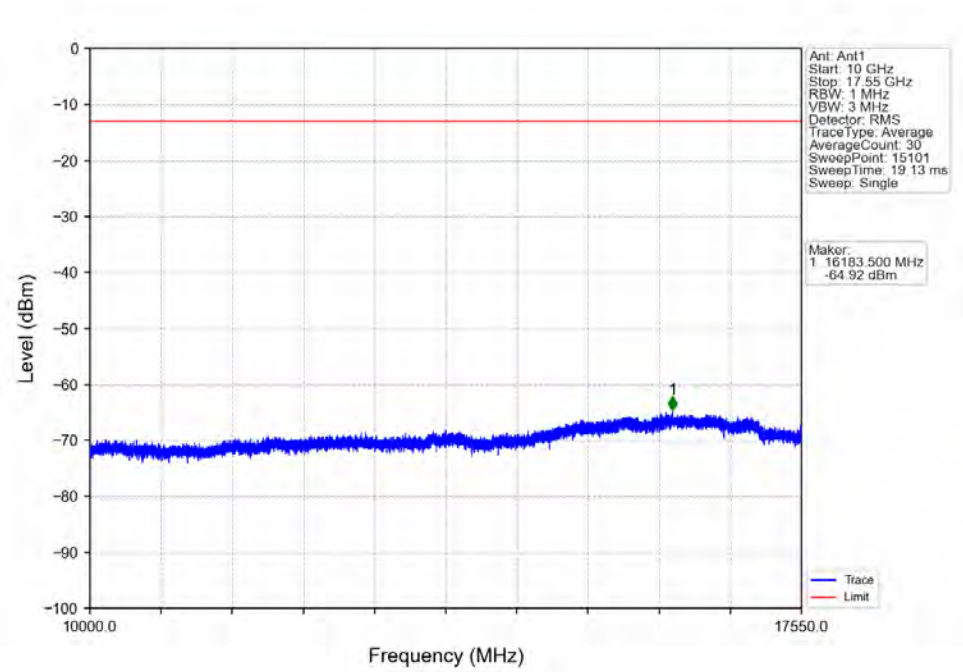
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



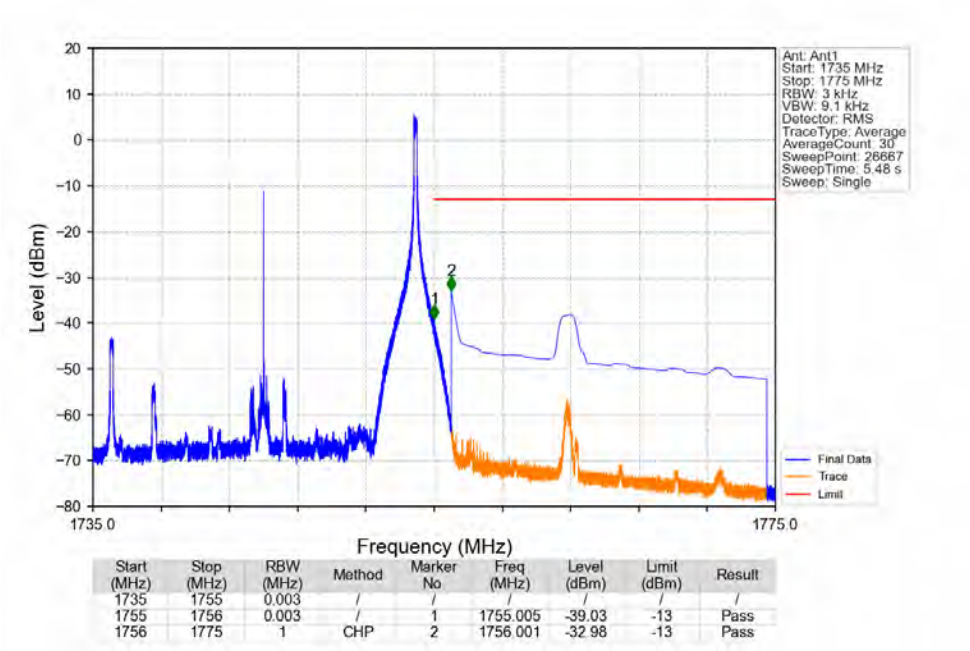
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

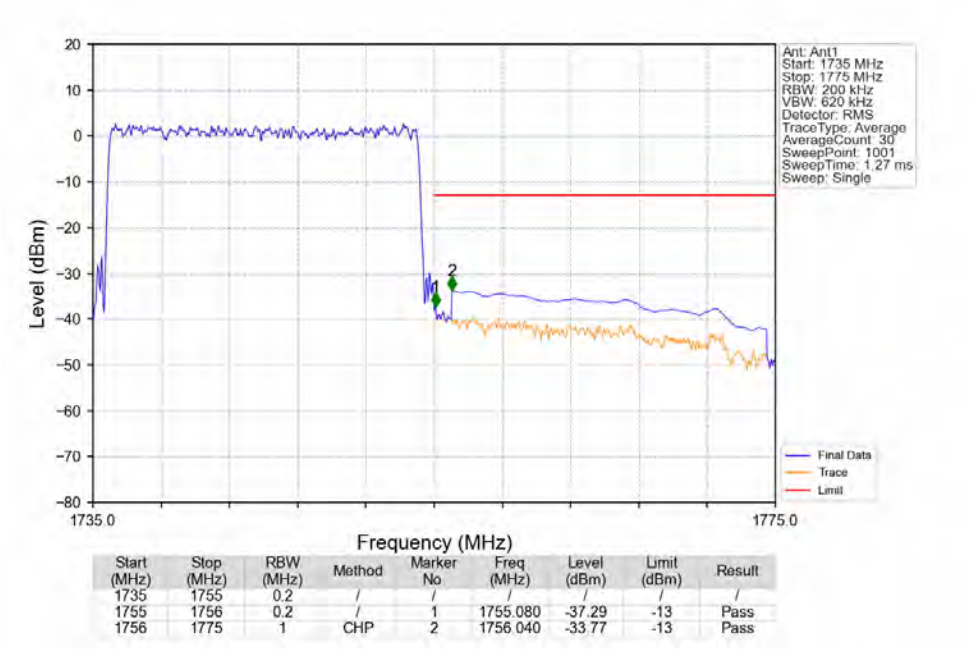


Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



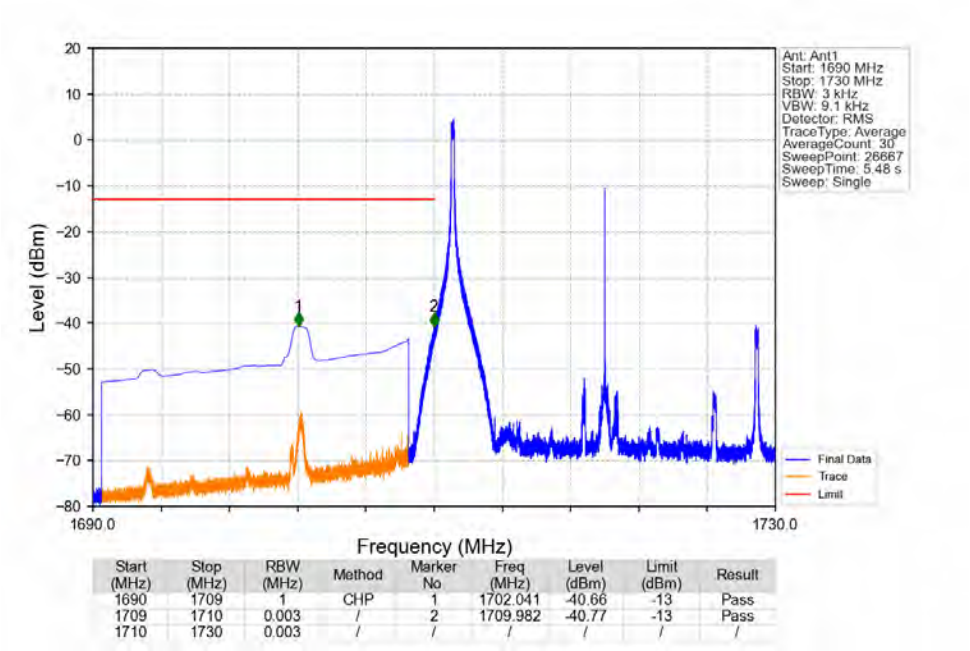
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.005	-39.03	-13	Pass
1756	1775	1	CHP	2	1756.001	-32.98	-13	Pass

Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



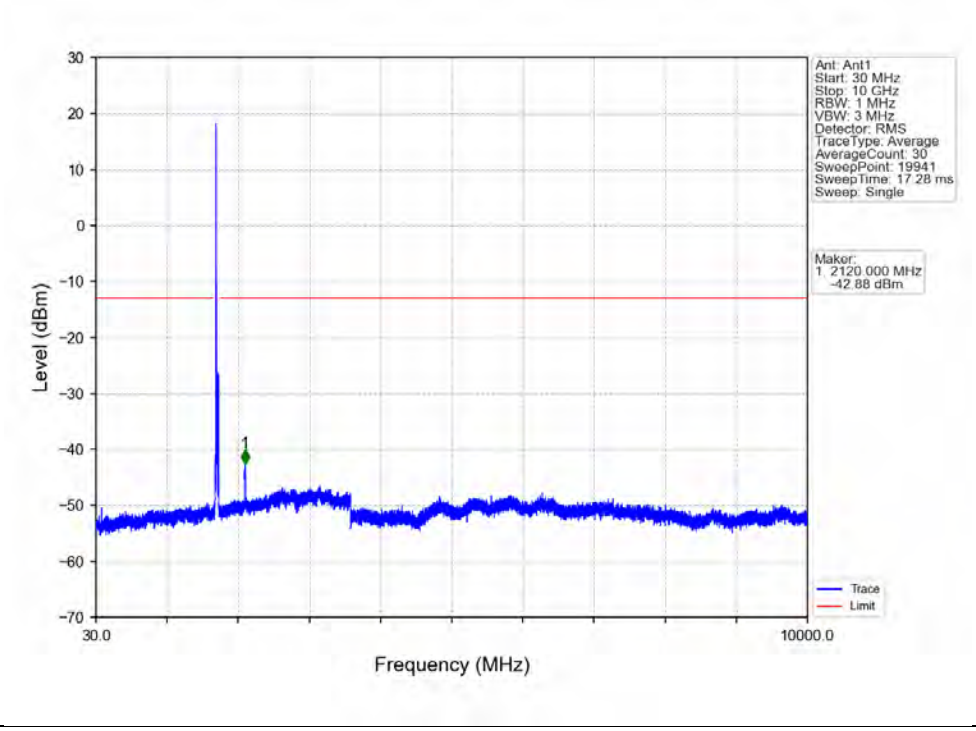
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.2	/	/	/	/	/	/
1755	1756	0.2	/	1	1755.080	-37.29	-13	Pass
1756	1775	1	CHP	2	1756.040	-33.77	-13	Pass

Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

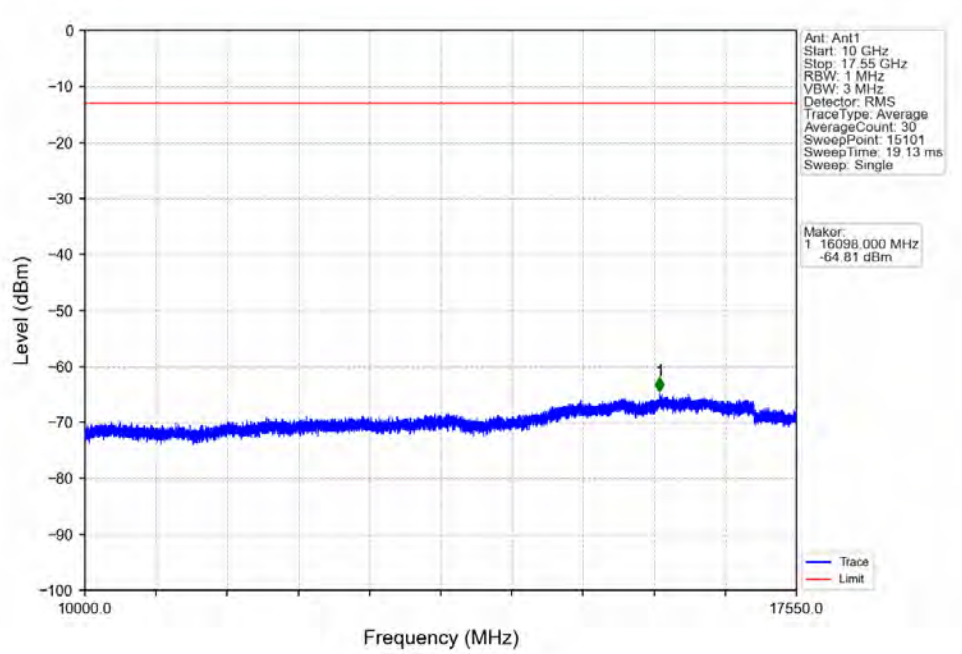


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1702.041	-40.66	-13	Pass
1709	1710	0.003	/	2	1709.982	-40.77	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

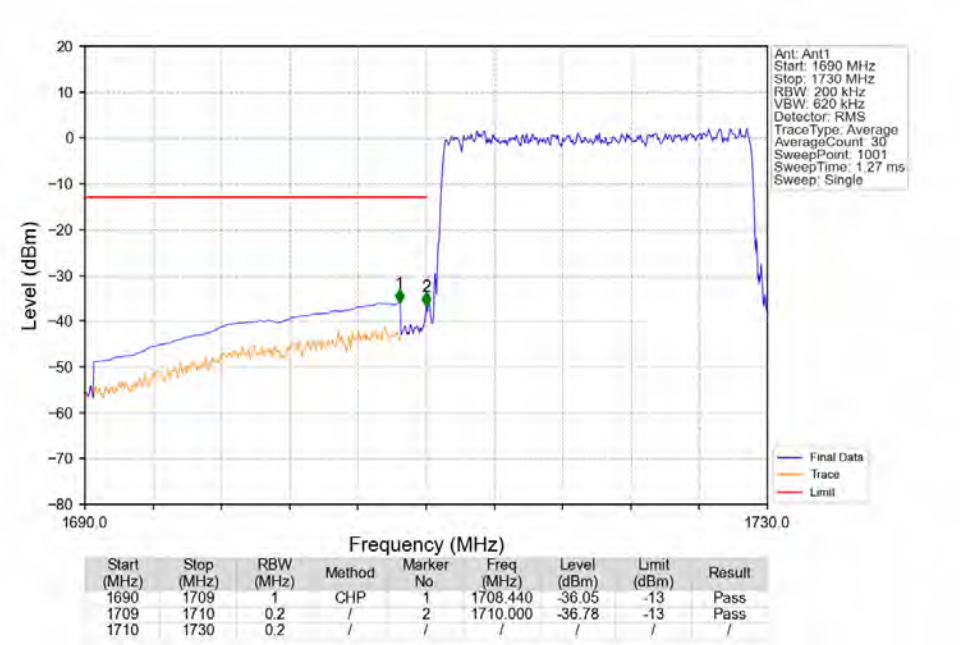
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



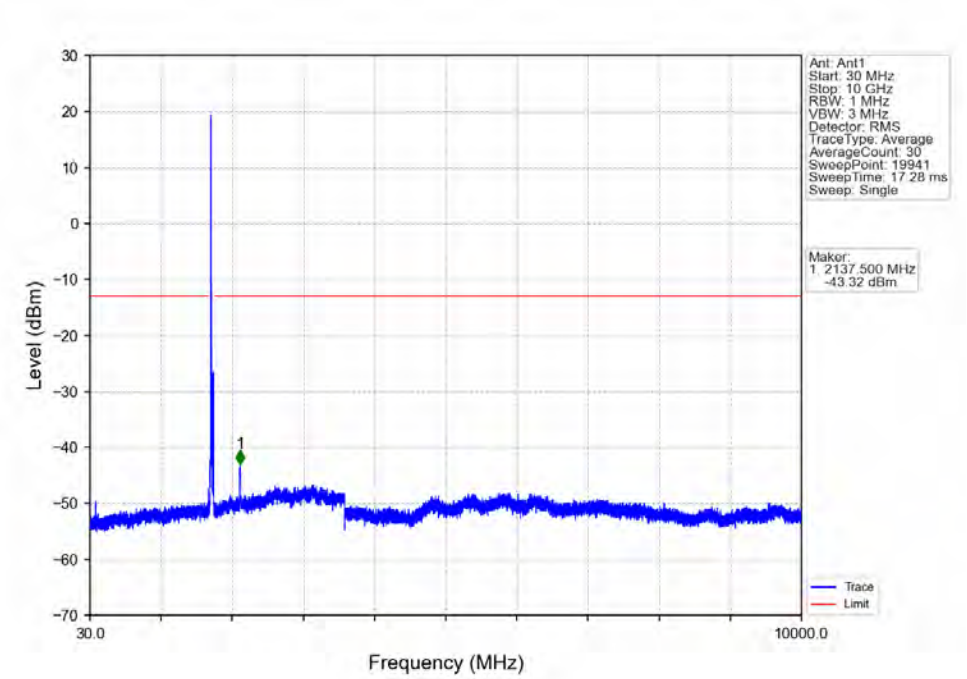
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

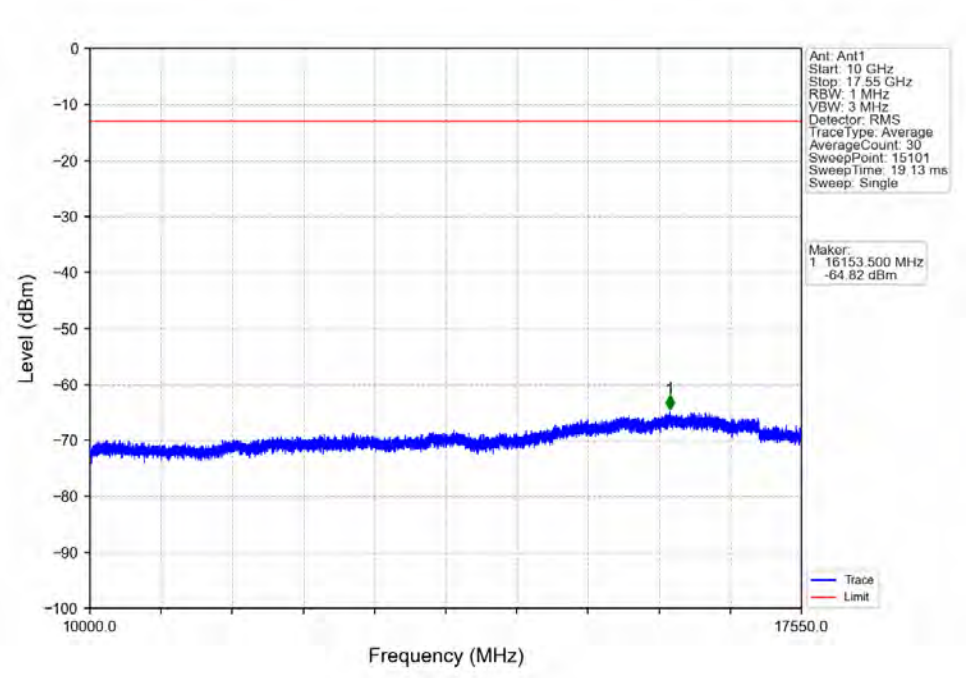


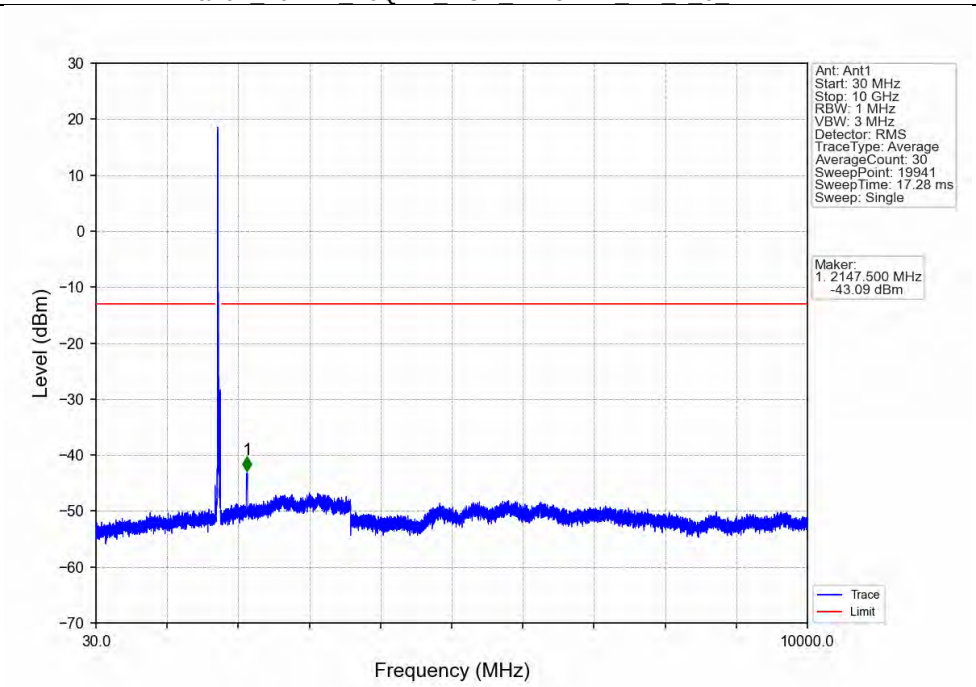
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

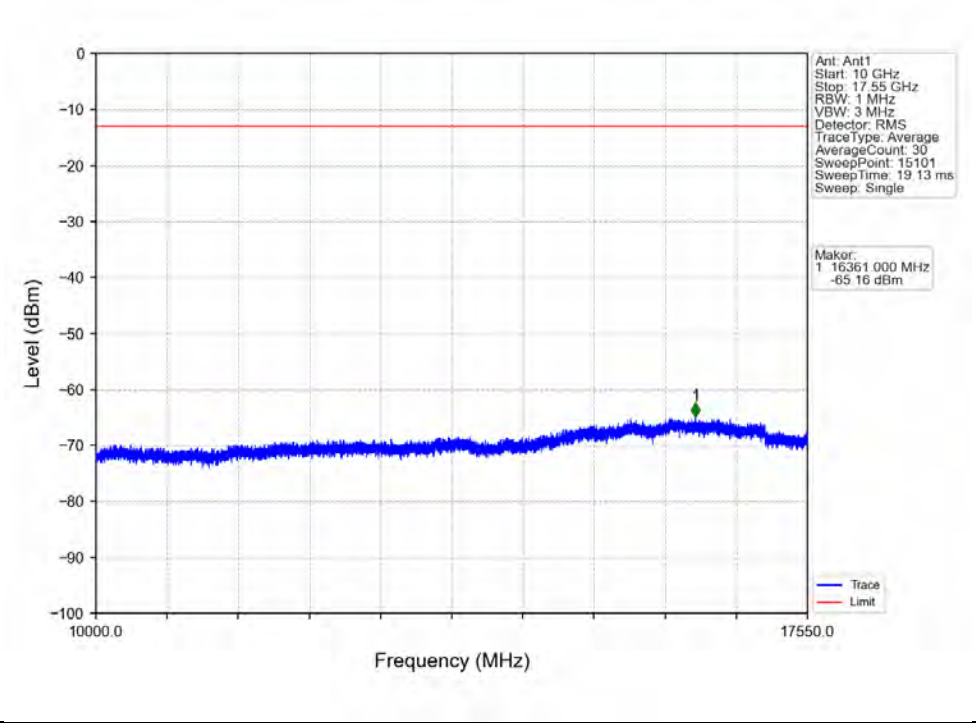


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.440	-36.05	-13	Pass
1709	1710	0.2	/	2	1710.000	-36.78	-13	Pass
1710	1730	0.2	/	/	/	/	/	/

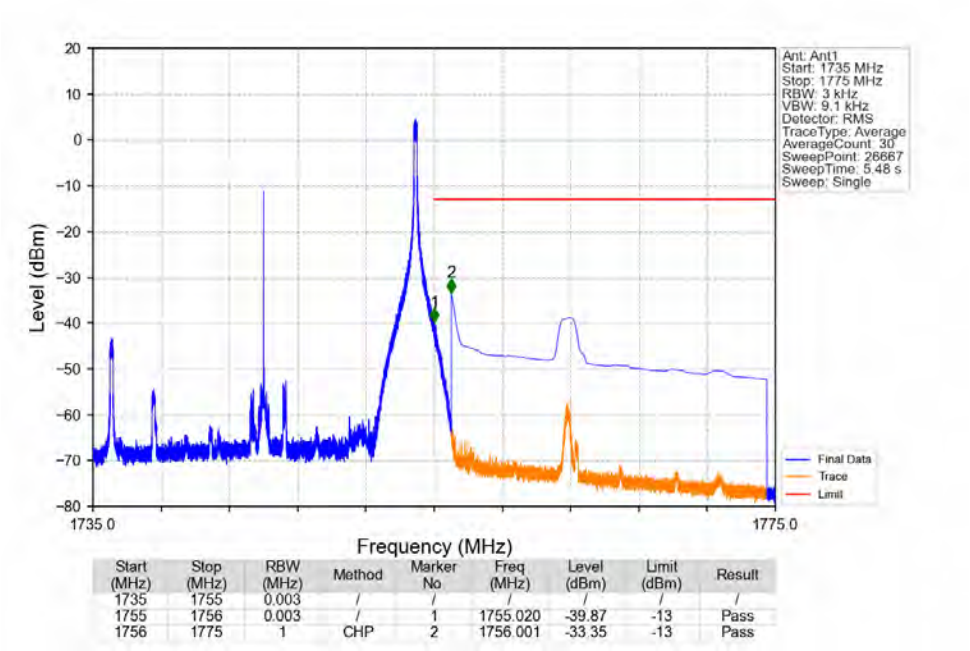
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV


Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV


Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV


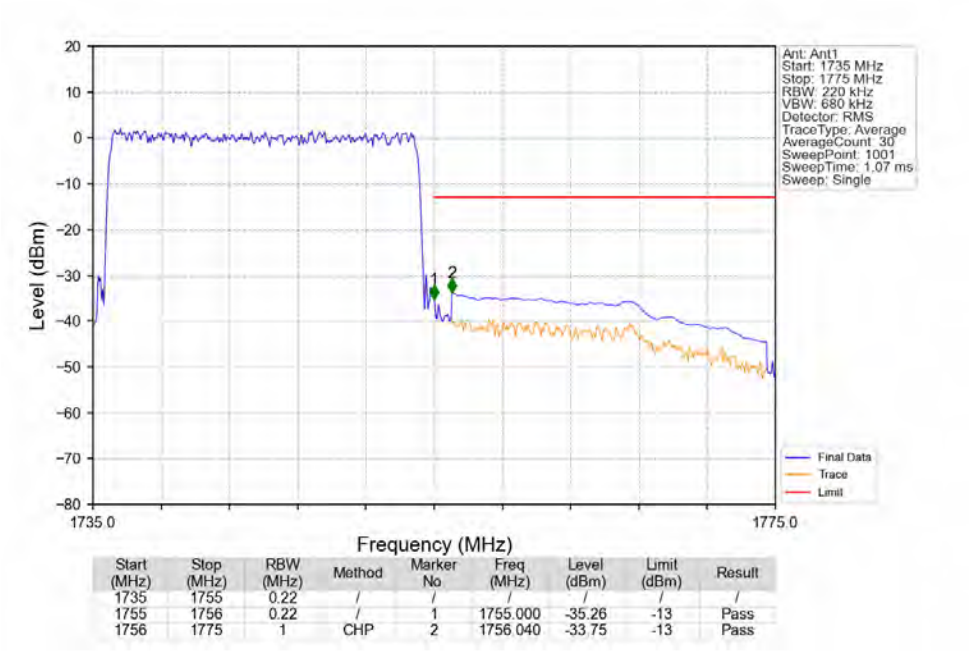
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV


Band4_20MHz_16QAM_HCH_1745MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.020	-39.87	-13	Pass
1756	1775	1	CHP	2	1756.001	-33.35	-13	Pass

Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.22	/	/	/	/	/	/
1755	1756	0.22	/	1	1755.000	-35.26	-13	Pass
1756	1775	1	CHP	2	1756.040	-33.75	-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	0.1164	0.0056	ppm	1M11G7D	27L	20.66
4	1.4	1710.7	1754.3	0.0910	0.0055	ppm	1M11W7D	27L	19.59
4	3	1711.5	1753.5	0.1172	0.0074	ppm	2M73G7D	27L	20.69
4	3	1711.5	1753.5	0.1019	0.0073	ppm	2M73W7D	27L	20.08
4	5	1712.5	1752.5	0.1138	0.0093	ppm	4M58G7D	27L	20.56
4	5	1712.5	1752.5	0.0869	0.0057	ppm	4M57W7D	27L	19.39
4	10	1715	1750	0.1161	0.0069	ppm	9M09G7D	27L	20.65
4	10	1715	1750	0.1009	0.0105	ppm	9M09W7D	27L	20.04
4	15	1717.5	1747.5	0.1143	0.0053	ppm	13M7G7D	27L	20.58
4	15	1717.5	1747.5	0.0995	0.0058	ppm	13M6W7D	27L	19.98
4	20	1720	1745	0.1127	0.0060	ppm	18M2G7D	27L	20.52
4	20	1720	1745	0.0923	0.0061	ppm	18M2W7D	27L	19.65

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	0.1057	0.0056	ppm	1M11G7D	27L	20.24
4	1.4	1710.7	1754.3	0.0826	0.0055	ppm	1M11W7D	27L	19.17
4	3	1711.5	1753.5	0.1064	0.0074	ppm	2M73G7D	27L	20.27
4	3	1711.5	1753.5	0.0925	0.0073	ppm	2M73W7D	27L	19.66
4	5	1712.5	1752.5	0.1033	0.0093	ppm	4M58G7D	27L	20.14
4	5	1712.5	1752.5	0.0789	0.0057	ppm	4M57W7D	27L	18.97
4	10	1715	1750	0.1054	0.0069	ppm	9M09G7D	27L	20.23
4	10	1715	1750	0.0916	0.0105	ppm	9M09W7D	27L	19.62
4	15	1717.5	1747.5	0.1038	0.0053	ppm	13M7G7D	27L	20.16
4	15	1717.5	1747.5	0.0904	0.0058	ppm	13M6W7D	27L	19.56
4	20	1720	1745	0.1023	0.0060	ppm	18M2G7D	27L	20.10
4	20	1720	1745	0.0838	0.0061	ppm	18M2W7D	27L	19.23