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	21.27	1.11	22.38	<=30	Pass
			2	21.32	1.11	22.43	<=30	Pass
			5	21.25	1.11	22.36	<=30	Pass
		3	0	21.40	1.11	22.51	<=30	Pass
			2	21.42	1.11	22.53	<=30	Pass
			3	21.41	1.11	22.52	<=30	Pass
		6	0	20.31	1.11	21.42	<=30	Pass
	1732.5	1	0	21.50	1.11	22.61	<=30	Pass
			2	21.65	1.11	22.76	<=30	Pass
			5	21.49	1.11	22.60	<=30	Pass
		3	0	21.61	1.11	22.72	<=30	Pass
			2	21.63	1.11	22.74	<=30	Pass
			3	21.64	1.11	22.75	<=30	Pass
		6	0	20.55	1.11	21.66	<=30	Pass
	1754.3	1	0	21.61	1.11	22.72	<=30	Pass
			2	21.74	1.11	22.85	<=30	Pass
			5	21.63	1.11	22.74	<=30	Pass
		3	0	21.75	1.11	22.86	<=30	Pass
			2	21.77	1.11	22.88	<=30	Pass
			3	21.73	1.11	22.84	<=30	Pass
		6	0	20.71	1.11	21.82	<=30	Pass
16QAM	1710.7	1	0	20.25	1.11	21.36	<=30	Pass
			2	20.35	1.11	21.46	<=30	Pass
			5	20.23	1.11	21.34	<=30	Pass
		3	0	20.64	1.11	21.75	<=30	Pass
			2	20.62	1.11	21.73	<=30	Pass
			3	20.65	1.11	21.76	<=30	Pass
		6	0	19.42	1.11	20.53	<=30	Pass
	1732.5	1	0	20.54	1.11	21.65	<=30	Pass
			2	20.63	1.11	21.74	<=30	Pass
			5	20.58	1.11	21.69	<=30	Pass
		3	0	20.71	1.11	21.82	<=30	Pass
			2	20.71	1.11	21.82	<=30	Pass
			3	20.70	1.11	21.81	<=30	Pass
		6	0	19.53	1.11	20.64	<=30	Pass
	1754.3	1	0	20.80	1.11	21.91	<=30	Pass
			2	20.89	1.11	22.00	<=30	Pass
			5	20.73	1.11	21.84	<=30	Pass
		3	0	20.70	1.11	21.81	<=30	Pass
			2	20.75	1.11	21.86	<=30	Pass
			3	20.75	1.11	21.86	<=30	Pass
		6	0	19.75	1.11	20.86	<=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	21.43	1.11	22.54	<=30	Pass
			7	21.53	1.11	22.64	<=30	Pass
			14	21.43	1.11	22.54	<=30	Pass
		8	0	20.41	1.11	21.52	<=30	Pass
			4	20.43	1.11	21.54	<=30	Pass
			7	20.38	1.11	21.49	<=30	Pass
		15	0	20.43	1.11	21.54	<=30	Pass
	1732.5	1	0	21.60	1.11	22.71	<=30	Pass
			7	21.74	1.11	22.85	<=30	Pass
			14	21.59	1.11	22.70	<=30	Pass
		8	0	20.62	1.11	21.73	<=30	Pass
			4	20.65	1.11	21.76	<=30	Pass
			7	20.64	1.11	21.75	<=30	Pass
		15	0	20.62	1.11	21.73	<=30	Pass
	1753.5	1	0	21.73	1.11	22.84	<=30	Pass
			7	21.84	1.11	22.95	<=30	Pass
			14	21.71	1.11	22.82	<=30	Pass
		8	0	20.70	1.11	21.81	<=30	Pass
			4	20.76	1.11	21.87	<=30	Pass
			7	20.70	1.11	21.81	<=30	Pass
		15	0	20.68	1.11	21.79	<=30	Pass
16QAM	1711.5	1	0	20.46	1.11	21.57	<=30	Pass
			7	20.55	1.11	21.66	<=30	Pass
			14	20.45	1.11	21.56	<=30	Pass
		8	0	19.54	1.11	20.65	<=30	Pass
			4	19.60	1.11	20.71	<=30	Pass
			7	19.51	1.11	20.62	<=30	Pass
		15	0	19.53	1.11	20.64	<=30	Pass
	1732.5	1	0	20.75	1.11	21.86	<=30	Pass
			7	20.91	1.11	22.02	<=30	Pass
			14	20.76	1.11	21.87	<=30	Pass
		8	0	19.66	1.11	20.77	<=30	Pass
			4	19.68	1.11	20.79	<=30	Pass
			7	19.65	1.11	20.76	<=30	Pass
		15	0	19.64	1.11	20.75	<=30	Pass
	1753.5	1	0	21.24	1.11	22.35	<=30	Pass
			7	21.40	1.11	22.51	<=30	Pass
			14	21.23	1.11	22.34	<=30	Pass
		8	0	19.93	1.11	21.04	<=30	Pass
			4	19.98	1.11	21.09	<=30	Pass
			7	19.95	1.11	21.06	<=30	Pass
		15	0	19.85	1.11	20.96	<=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	21.22	1.11	22.33	<=30	Pass
			13	21.41	1.11	22.52	<=30	Pass
			24	21.26	1.11	22.37	<=30	Pass
		12	0	20.24	1.11	21.35	<=30	Pass
			6	20.33	1.11	21.44	<=30	Pass
			13	20.32	1.11	21.43	<=30	Pass
		25	0	20.30	1.11	21.41	<=30	Pass
	1732.5	1	0	21.41	1.11	22.52	<=30	Pass
			13	21.54	1.11	22.65	<=30	Pass
			24	21.47	1.11	22.58	<=30	Pass
		12	0	20.49	1.11	21.60	<=30	Pass
			6	20.53	1.11	21.64	<=30	Pass
			13	20.54	1.11	21.65	<=30	Pass
		25	0	20.54	1.11	21.65	<=30	Pass
	1752.5	1	0	21.55	1.11	22.66	<=30	Pass
			13	21.68	1.11	22.79	<=30	Pass
			24	21.53	1.11	22.64	<=30	Pass
		12	0	20.58	1.11	21.69	<=30	Pass
			6	20.69	1.11	21.80	<=30	Pass
			13	20.60	1.11	21.71	<=30	Pass
		25	0	20.62	1.11	21.73	<=30	Pass
16QAM	1712.5	1	0	20.34	1.11	21.45	<=30	Pass
			13	20.46	1.11	21.57	<=30	Pass
			24	20.37	1.11	21.48	<=30	Pass
		12	0	19.38	1.11	20.49	<=30	Pass
			6	19.45	1.11	20.56	<=30	Pass
			13	19.42	1.11	20.53	<=30	Pass
		25	0	19.44	1.11	20.55	<=30	Pass
	1732.5	1	0	20.67	1.11	21.78	<=30	Pass
			13	20.81	1.11	21.92	<=30	Pass
			24	20.74	1.11	21.85	<=30	Pass
		12	0	19.63	1.11	20.74	<=30	Pass
			6	19.70	1.11	20.81	<=30	Pass
			13	19.72	1.11	20.83	<=30	Pass
		25	0	19.61	1.11	20.72	<=30	Pass
	1752.5	1	0	20.36	1.11	21.47	<=30	Pass
			13	20.50	1.11	21.61	<=30	Pass
			24	20.41	1.11	21.52	<=30	Pass
		12	0	19.71	1.11	20.82	<=30	Pass
			6	19.77	1.11	20.88	<=30	Pass
			13	19.67	1.11	20.78	<=30	Pass
		25	0	19.72	1.11	20.83	<=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	21.30	1.11	22.41	<=30	Pass
			25	21.61	1.11	22.72	<=30	Pass

			49	21.40	1.11	22.51	<=30	Pass
		25	0	20.39	1.11	21.50	<=30	Pass
			13	20.46	1.11	21.57	<=30	Pass
			25	20.44	1.11	21.55	<=30	Pass
		50	0	20.43	1.11	21.54	<=30	Pass
	1732.5	1	0	21.43	1.11	22.54	<=30	Pass
			25	21.73	1.11	22.84	<=30	Pass
			49	21.52	1.11	22.63	<=30	Pass
		25	0	20.58	1.11	21.69	<=30	Pass
			13	20.61	1.11	21.72	<=30	Pass
			25	20.65	1.11	21.76	<=30	Pass
		50	0	20.62	1.11	21.73	<=30	Pass
	1750	1	0	21.56	1.11	22.67	<=30	Pass
			25	21.83	1.11	22.94	<=30	Pass
			49	21.56	1.11	22.67	<=30	Pass
		25	0	20.68	1.11	21.79	<=30	Pass
			13	20.74	1.11	21.85	<=30	Pass
			25	20.66	1.11	21.77	<=30	Pass
		50	0	20.70	1.11	21.81	<=30	Pass
16QAM	1715	1	0	20.32	1.11	21.43	<=30	Pass
			25	20.59	1.11	21.70	<=30	Pass
			49	20.38	1.11	21.49	<=30	Pass
		25	0	19.55	1.11	20.66	<=30	Pass
			13	19.62	1.11	20.73	<=30	Pass
			25	19.62	1.11	20.73	<=30	Pass
		50	0	19.53	1.11	20.64	<=30	Pass
	1732.5	1	0	20.62	1.11	21.73	<=30	Pass
			25	20.89	1.11	22.00	<=30	Pass
			49	20.72	1.11	21.83	<=30	Pass
		25	0	19.69	1.11	20.80	<=30	Pass
			13	19.69	1.11	20.80	<=30	Pass
			25	19.73	1.11	20.84	<=30	Pass
		50	0	19.70	1.11	20.81	<=30	Pass
	1750	1	0	21.06	1.11	22.17	<=30	Pass
			25	21.35	1.11	22.46	<=30	Pass
			49	21.08	1.11	22.19	<=30	Pass
		25	0	19.79	1.11	20.90	<=30	Pass
			13	19.84	1.11	20.95	<=30	Pass
			25	19.80	1.11	20.91	<=30	Pass
		50	0	19.77	1.11	20.88	<=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	21.12	1.11	22.23	<=30	Pass
			38	21.43	1.11	22.54	<=30	Pass
			74	21.21	1.11	22.32	<=30	Pass
		36	0	20.39	1.11	21.50	<=30	Pass
			18	20.42	1.11	21.53	<=30	Pass
			39	20.42	1.11	21.53	<=30	Pass

		75	0	20.44	1.11	21.55	<=30	Pass
	1732.5	1	0	21.28	1.11	22.39	<=30	Pass
			38	21.53	1.11	22.64	<=30	Pass
			74	21.30	1.11	22.41	<=30	Pass
		36	0	20.49	1.11	21.60	<=30	Pass
			18	20.60	1.11	21.71	<=30	Pass
			39	20.62	1.11	21.73	<=30	Pass
		75	0	20.56	1.11	21.67	<=30	Pass
	1747.5	1	0	21.36	1.11	22.47	<=30	Pass
			38	21.61	1.11	22.72	<=30	Pass
			74	21.42	1.11	22.53	<=30	Pass
		36	0	20.68	1.11	21.79	<=30	Pass
			18	20.67	1.11	21.78	<=30	Pass
			39	20.63	1.11	21.74	<=30	Pass
		75	0	20.64	1.11	21.75	<=30	Pass
16QAM	1717.5	1	0	20.56	1.11	21.67	<=30	Pass
			38	20.81	1.11	21.92	<=30	Pass
			74	20.69	1.11	21.80	<=30	Pass
		36	0	19.42	1.11	20.53	<=30	Pass
			18	19.50	1.11	20.61	<=30	Pass
			39	19.44	1.11	20.55	<=30	Pass
		75	0	19.43	1.11	20.54	<=30	Pass
	1732.5	1	0	20.49	1.11	21.60	<=30	Pass
			38	20.69	1.11	21.80	<=30	Pass
			74	20.52	1.11	21.63	<=30	Pass
		36	0	19.60	1.11	20.71	<=30	Pass
			18	19.63	1.11	20.74	<=30	Pass
			39	19.66	1.11	20.77	<=30	Pass
		75	0	19.62	1.11	20.73	<=30	Pass
	1747.5	1	0	20.95	1.11	22.06	<=30	Pass
			38	21.15	1.11	22.26	<=30	Pass
			74	20.97	1.11	22.08	<=30	Pass
		36	0	19.70	1.11	20.81	<=30	Pass
			18	19.73	1.11	20.84	<=30	Pass
			39	19.72	1.11	20.83	<=30	Pass
		75	0	19.71	1.11	20.82	<=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	20.93	1.11	22.04	<=30	Pass
			50	21.59	1.11	22.70	<=30	Pass
			99	21.11	1.11	22.22	<=30	Pass
		50	0	20.37	1.11	21.48	<=30	Pass
			25	20.42	1.11	21.53	<=30	Pass
			50	20.44	1.11	21.55	<=30	Pass
		100	0	20.42	1.11	21.53	<=30	Pass
	1732.5	1	0	21.12	1.11	22.23	<=30	Pass
			50	21.68	1.11	22.79	<=30	Pass
			99	21.31	1.11	22.42	<=30	Pass

		50	0	20.53	1.11	21.64	<=30	Pass
			25	20.57	1.11	21.68	<=30	Pass
			50	20.60	1.11	21.71	<=30	Pass
		100	0	20.52	1.11	21.63	<=30	Pass
	1745	1	0	21.22	1.11	22.33	<=30	Pass
			50	21.78	1.11	22.89	<=30	Pass
			99	21.33	1.11	22.44	<=30	Pass
		50	0	20.54	1.11	21.65	<=30	Pass
			25	20.66	1.11	21.77	<=30	Pass
			50	20.58	1.11	21.69	<=30	Pass
		100	0	20.57	1.11	21.68	<=30	Pass
16QAM	1720	1	0	20.52	1.11	21.63	<=30	Pass
			50	21.13	1.11	22.24	<=30	Pass
			99	20.68	1.11	21.79	<=30	Pass
		50	0	19.42	1.11	20.53	<=30	Pass
			25	19.56	1.11	20.67	<=30	Pass
			50	19.53	1.11	20.64	<=30	Pass
		100	0	19.52	1.11	20.63	<=30	Pass
	1732.5	1	0	20.36	1.11	21.47	<=30	Pass
			50	20.87	1.11	21.98	<=30	Pass
			99	20.47	1.11	21.58	<=30	Pass
		50	0	19.60	1.11	20.71	<=30	Pass
			25	19.62	1.11	20.73	<=30	Pass
			50	19.65	1.11	20.76	<=30	Pass
		100	0	19.61	1.11	20.72	<=30	Pass
	1745	1	0	20.54	1.11	21.65	<=30	Pass
			50	20.99	1.11	22.10	<=30	Pass
			99	20.56	1.11	21.67	<=30	Pass
		50	0	19.68	1.11	20.79	<=30	Pass
			25	19.70	1.11	20.81	<=30	Pass
			50	19.64	1.11	20.75	<=30	Pass
		100	0	19.64	1.11	20.75	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	-12.188	-0.0071	-2.5 to 2.5	Pass
					3.85	-88.692	-0.0518	-2.5 to 2.5	Pass
					4.43	-15.364	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	6.237	0.0036	-2.5 to 2.5	Pass
				-10	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-4.420	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-5.465	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-13.776	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-16.050	-0.0094	-2.5 to 2.5	Pass
				50	3.85	-21.486	-0.0126	-2.5 to 2.5	Pass

	1732.5	6	0	20	3.27	-23.389	-0.0135	-2.5 to 2.5	Pass
					3.85	-18.024	-0.0104	-2.5 to 2.5	Pass
					4.43	-12.817	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-8.569	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	4.635	0.0027	-2.5 to 2.5	Pass
				-10	3.85	-7.911	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-25.864	-0.0149	-2.5 to 2.5	Pass
				10	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-15.321	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-15.206	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-17.681	-0.0102	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-7.868	-0.0045	-2.5 to 2.5	Pass
					3.85	-6.866	-0.0039	-2.5 to 2.5	Pass
					4.43	-6.509	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-12.617	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-8.168	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-25.606	-0.0146	-2.5 to 2.5	Pass
				30	3.85	-5.808	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-4.220	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-11.973	-0.0068	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-27.981	-0.0164	-2.5 to 2.5	Pass
					3.85	-26.293	-0.0154	-2.5 to 2.5	Pass
					4.43	60.368	0.0353	-2.5 to 2.5	Pass
				-30	3.85	-1.473	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-12.946	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-25.506	-0.0149	-2.5 to 2.5	Pass
				30	3.85	-27.194	-0.0159	-2.5 to 2.5	Pass
				40	3.85	-22.874	-0.0134	-2.5 to 2.5	Pass
				50	3.85	-22.130	-0.0129	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-13.447	-0.0078	-2.5 to 2.5	Pass
					3.85	-7.110	-0.0041	-2.5 to 2.5	Pass
					4.43	-9.856	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-10.142	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-7.052	-0.0041	-2.5 to 2.5	Pass
				0	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				10	3.85	-9.570	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-5.221	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-15.321	-0.0088	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-13.232	-0.0075	-2.5 to 2.5	Pass
					3.85	-10.357	-0.0059	-2.5 to 2.5	Pass
					4.43	-6.924	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-11.702	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-8.340	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	2.689	0.0015	-2.5 to 2.5	Pass
				0	3.85	-11.945	-0.0068	-2.5 to 2.5	Pass
				10	3.85	14.176	0.0081	-2.5 to 2.5	Pass
				30	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				40	3.85	1.345	0.0008	-2.5 to 2.5	Pass
				50	3.85	-12.217	-0.0070	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	6.838	0.0040	-2.5 to 2.5	Pass
					3.85	-15.936	-0.0093	-2.5 to 2.5	Pass
					4.43	-10.901	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-5.064	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-14.119	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-10.171	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-13.518	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-9.885	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-8.526	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-8.984	-0.0052	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-5.264	-0.0030	-2.5 to 2.5	Pass
					3.85	4.349	0.0025	-2.5 to 2.5	Pass
					4.43	-2.847	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	13.576	0.0078	-2.5 to 2.5	Pass
				-20	3.85	-4.921	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	1.988	0.0011	-2.5 to 2.5	Pass
				0	3.85	-14.033	-0.0081	-2.5 to 2.5	Pass
				10	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				30	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				40	3.85	-9.871	-0.0057	-2.5 to 2.5	Pass
				50	3.85	4.177	0.0024	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-16.437	-0.0094	-2.5 to 2.5	Pass
					3.85	-12.860	-0.0073	-2.5 to 2.5	Pass
					4.43	-4.191	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-2.890	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-19.856	-0.0113	-2.5 to 2.5	Pass
				0	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				10	3.85	1.345	0.0008	-2.5 to 2.5	Pass
				30	3.85	-10.958	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-8.841	-0.0050	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-7.725	-0.0045	-2.5 to 2.5	Pass
					3.85	-8.783	-0.0051	-2.5 to 2.5	Pass
					4.43	-10.586	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-27.323	-0.0160	-2.5 to 2.5	Pass
				-20	3.85	-10.514	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-4.420	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-11.816	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-10.314	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-12.002	-0.0070	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	6.924	0.0040	-2.5 to 2.5	Pass
					3.85	0.587	0.0003	-2.5 to 2.5	Pass
					4.43	2.546	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	6.766	0.0039	-2.5 to 2.5	Pass

				-10	3.85	-7.353	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-10.872	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-1.473	-0.0009	-2.5 to 2.5	Pass
				50	3.85	7.410	0.0043	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-2.518	-0.0014	-2.5 to 2.5	Pass
					3.85	-10.715	-0.0061	-2.5 to 2.5	Pass
					4.43	3.161	0.0018	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	2.904	0.0017	-2.5 to 2.5	Pass
				0	3.85	-10.285	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-12.603	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-14.763	-0.0084	-2.5 to 2.5	Pass
				40	3.85	4.549	0.0026	-2.5 to 2.5	Pass
				50	3.85	-7.167	-0.0041	-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	-11.959	-0.0070	-2.5 to 2.5	Pass
					3.85	-9.627	-0.0056	-2.5 to 2.5	Pass
					4.43	-6.237	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-2.661	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-10.543	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-7.982	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-3.033	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-7.038	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-6.423	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-2.675	-0.0016	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	5.178	0.0030	-2.5 to 2.5	Pass
					3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
					4.43	1.316	0.0008	-2.5 to 2.5	Pass
				-30	3.85	3.576	0.0021	-2.5 to 2.5	Pass
				-20	3.85	-15.364	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				30	3.85	4.063	0.0023	-2.5 to 2.5	Pass
				40	3.85	-13.103	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-11.387	-0.0066	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-10.557	-0.0060	-2.5 to 2.5	Pass
					3.85	-3.233	-0.0018	-2.5 to 2.5	Pass
					4.43	-4.492	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-4.249	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				0	3.85	-8.140	-0.0046	-2.5 to 2.5	Pass
				10	3.85	2.131	0.0012	-2.5 to 2.5	Pass

				30	3.85	-12.302	-0.0070	-2.5 to 2.5	Pass
				40	3.85	-9.913	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
					3.27	-17.910	-0.0105	-2.5 to 2.5	Pass
				20	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
					4.43	-7.339	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-8.640	-0.0050	-2.5 to 2.5	Pass
	1712.5	25	0	-10	3.85	-8.812	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-13.318	-0.0078	-2.5 to 2.5	Pass
				10	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				30	3.85	-7.310	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-8.869	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-17.581	-0.0103	-2.5 to 2.5	Pass
					3.27	-16.923	-0.0098	-2.5 to 2.5	Pass
				20	3.85	-18.754	-0.0108	-2.5 to 2.5	Pass
					4.43	-7.682	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-14.591	-0.0084	-2.5 to 2.5	Pass
				-20	3.85	0.300	0.0002	-2.5 to 2.5	Pass
16QAM	1732.5	25	0	-10	3.85	6.180	0.0036	-2.5 to 2.5	Pass
				0	3.85	-13.261	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-12.989	-0.0075	-2.5 to 2.5	Pass
				50	3.85	3.390	0.0020	-2.5 to 2.5	Pass
					3.27	-5.593	-0.0032	-2.5 to 2.5	Pass
				20	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
					4.43	-6.309	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-9.885	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-10.185	-0.0058	-2.5 to 2.5	Pass
	1752.5	25	0	-10	3.85	4.463	0.0025	-2.5 to 2.5	Pass
				0	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-7.997	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-3.405	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-12.131	-0.0069	-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	
					3.27	-7.038	-0.0041	-2.5 to 2.5	Pass
				20	3.85	-7.896	-0.0046	-2.5 to 2.5	Pass
					4.43	-9.069	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-6.981	-0.0041	-2.5 to 2.5	Pass
QPSK	1715	50	0	-10	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-7.567	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-6.022	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-6.924	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-8.297	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass

	1732.5	50	0	20	3.27	-7.911	-0.0046	-2.5 to 2.5	Pass
					3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
					4.43	-5.422	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-12.760	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-8.211	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				0	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				10	3.85	-6.495	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-8.283	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-8.054	-0.0046	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-4.420	-0.0025	-2.5 to 2.5	Pass
					3.85	-10.371	-0.0059	-2.5 to 2.5	Pass
					4.43	-7.696	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-6.952	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-10.657	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-11.745	-0.0067	-2.5 to 2.5	Pass
				0	3.85	1.144	0.0007	-2.5 to 2.5	Pass
				10	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-4.535	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-5.536	-0.0032	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-6.051	-0.0035	-2.5 to 2.5	Pass
					3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
					4.43	-4.663	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-2.661	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-9.670	-0.0056	-2.5 to 2.5	Pass
				0	3.85	8.168	0.0048	-2.5 to 2.5	Pass
				10	3.85	-5.178	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-5.794	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-8.898	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-9.027	-0.0053	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	1.574	0.0009	-2.5 to 2.5	Pass
					3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
					4.43	-4.020	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-9.384	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-5.794	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-8.125	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-8.554	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-3.905	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-6.609	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-8.383	-0.0048	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	3.147	0.0018	-2.5 to 2.5	Pass
					3.85	-6.409	-0.0037	-2.5 to 2.5	Pass
					4.43	-4.878	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-4.320	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	2.074	0.0012	-2.5 to 2.5	Pass
				0	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				10	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				30	3.85	-2.661	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-8.368	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-3.290	-0.0019	-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	-8.569	-0.0050	-2.5 to 2.5	Pass
					3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
					4.43	-4.807	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-18.768	-0.0109	-2.5 to 2.5	Pass
				-20	3.85	-6.623	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-6.537	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-6.309	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-5.322	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-6.709	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-11.458	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-9.484	-0.0055	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-11.201	-0.0065	-2.5 to 2.5	Pass
					3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
					4.43	-3.304	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-4.249	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-3.176	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
				0	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				10	3.85	-7.510	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-4.220	-0.0024	-2.5 to 2.5	Pass
				50	3.85	1.302	0.0008	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-4.535	-0.0026	-2.5 to 2.5	Pass
					3.85	-2.532	-0.0014	-2.5 to 2.5	Pass
					4.43	-5.121	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-7.596	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-5.393	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-7.310	-0.0042	-2.5 to 2.5	Pass
				0	3.85	3.347	0.0019	-2.5 to 2.5	Pass
				10	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-8.111	-0.0046	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-6.666	-0.0039	-2.5 to 2.5	Pass
					3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
					4.43	-3.533	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-5.951	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-8.340	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-6.866	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-8.025	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-13.061	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-9.356	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-8.368	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-2.575	-0.0015	-2.5 to 2.5	Pass
					3.85	0.329	0.0002	-2.5 to 2.5	Pass
					4.43	-4.792	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-4.721	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass

				-10	3.85	-7.181	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-7.110	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-8.898	-0.0051	-2.5 to 2.5	Pass
				40	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-2.675	-0.0015	-2.5 to 2.5	Pass
					3.85	-5.407	-0.0031	-2.5 to 2.5	Pass
					4.43	-7.467	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-5.851	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-4.277	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-11.115	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-5.422	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-10.071	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-13.289	-0.0076	-2.5 to 2.5	Pass
				40	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-2.561	-0.0015	-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	-9.542	-0.0055	-2.5 to 2.5	Pass
					3.85	-11.559	-0.0067	-2.5 to 2.5	Pass
					4.43	-5.264	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-15.922	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-9.127	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-4.492	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-4.721	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-4.535	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-7.381	-0.0043	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-4.492	-0.0026	-2.5 to 2.5	Pass
					3.85	-3.591	-0.0021	-2.5 to 2.5	Pass
					4.43	-6.723	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-6.909	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-5.836	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-13.576	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-12.460	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-2.518	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-9.212	-0.0053	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.376	-0.0019	-2.5 to 2.5	Pass
					3.85	3.262	0.0019	-2.5 to 2.5	Pass
					4.43	3.247	0.0019	-2.5 to 2.5	Pass
				-30	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-16.236	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-5.035	-0.0029	-2.5 to 2.5	Pass

				30	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-7.682	-0.0044	-2.5 to 2.5	Pass
	1720	100	0	20	3.27	-8.254	-0.0048	-2.5 to 2.5	Pass
					3.85	6.495	0.0038	-2.5 to 2.5	Pass
					4.43	-2.675	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	1.116	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-5.736	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-4.492	-0.0026	-2.5 to 2.5	Pass
				30	3.85	1.316	0.0008	-2.5 to 2.5	Pass
				40	3.85	-4.563	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-4.621	-0.0027	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-6.781	-0.0039	-2.5 to 2.5	Pass
					3.85	-9.327	-0.0054	-2.5 to 2.5	Pass
					4.43	-7.610	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-9.112	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-5.622	-0.0032	-2.5 to 2.5	Pass
16QAM				-10	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-2.661	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-2.689	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-11.401	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-4.878	-0.0028	-2.5 to 2.5	Pass
					3.85	-11.129	-0.0064	-2.5 to 2.5	Pass
					4.43	-8.583	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				0	3.85	1.788	0.0010	-2.5 to 2.5	Pass
				10	3.85	3.719	0.0021	-2.5 to 2.5	Pass
				30	3.85	-14.734	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-4.764	-0.0027	-2.5 to 2.5	Pass
				50	3.85	0.401	0.0002	-2.5 to 2.5	Pass

3. Modulation Characteristics

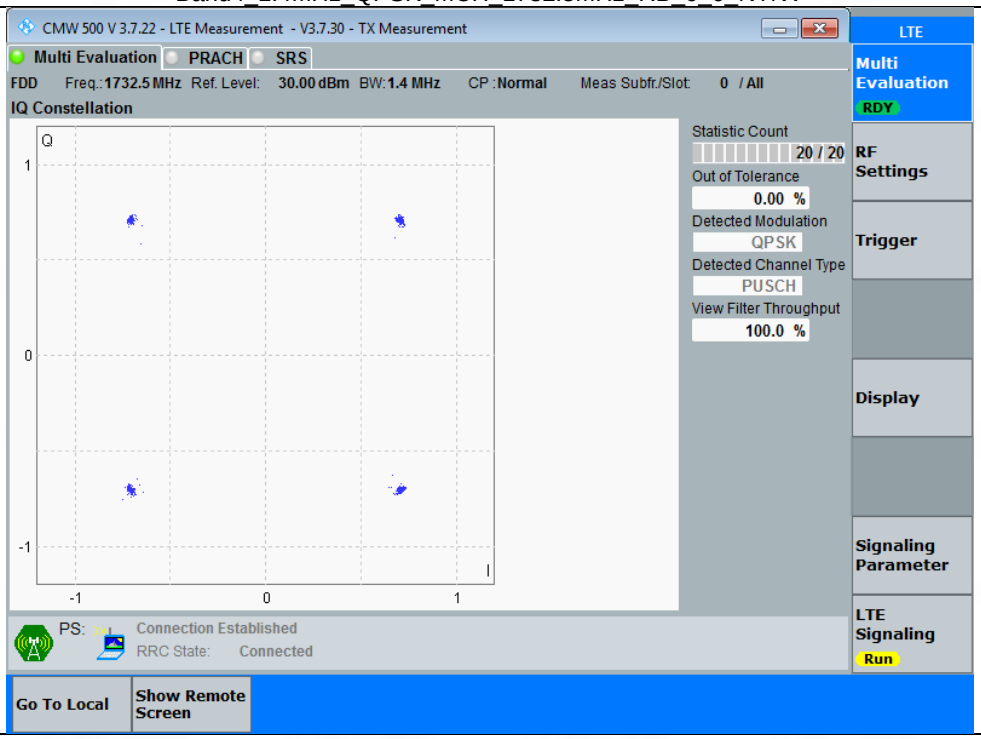
3.1 B4_1.4MHz

3.1.1 Test Result

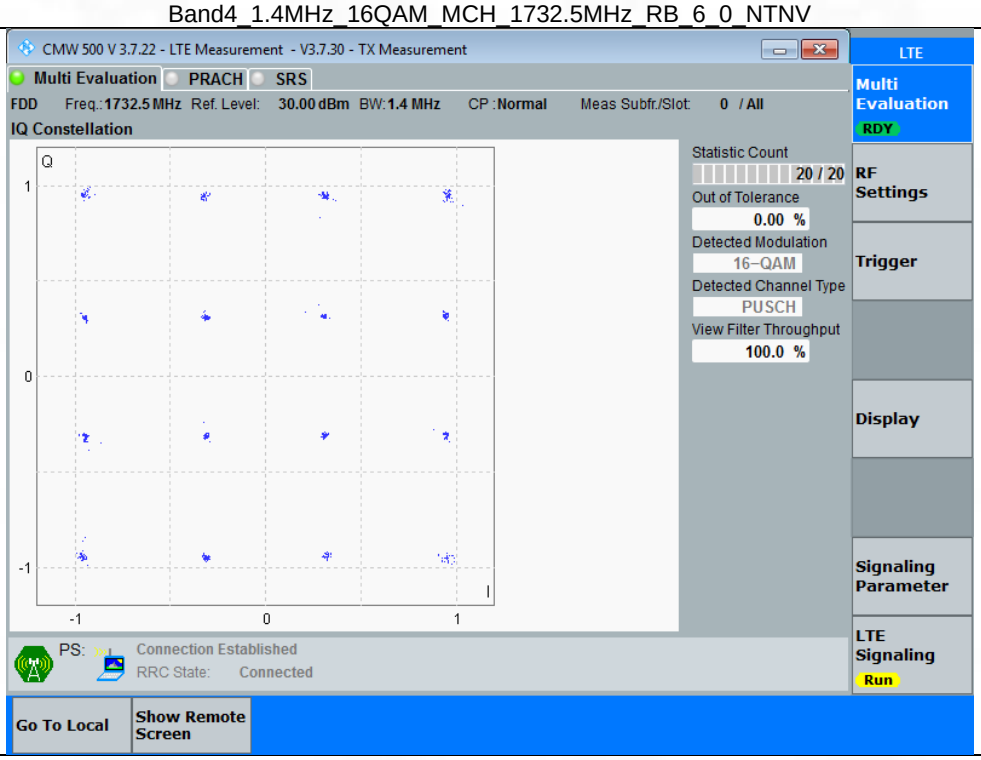
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

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



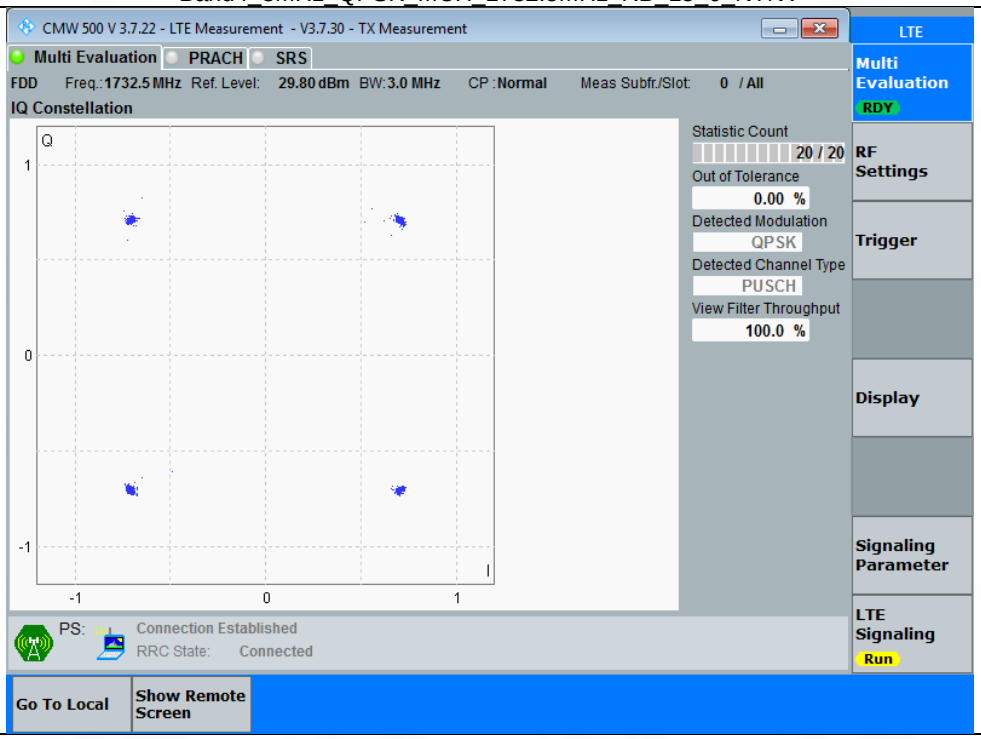
3.2 B4_3MHz

3.2.1 Test Result

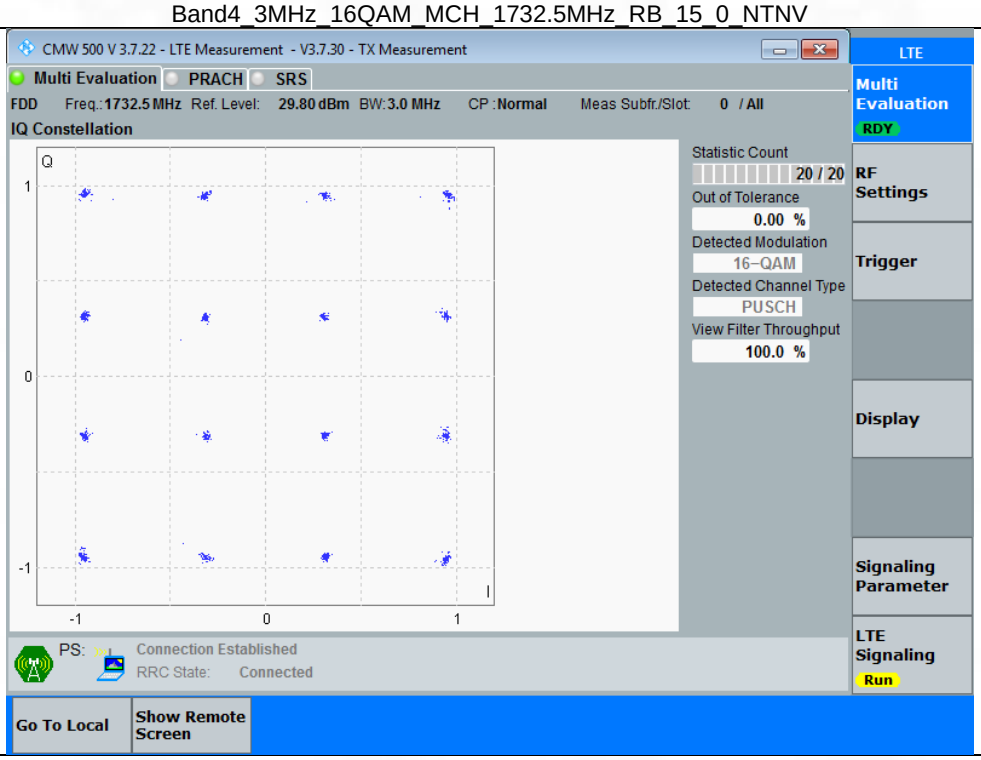
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

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



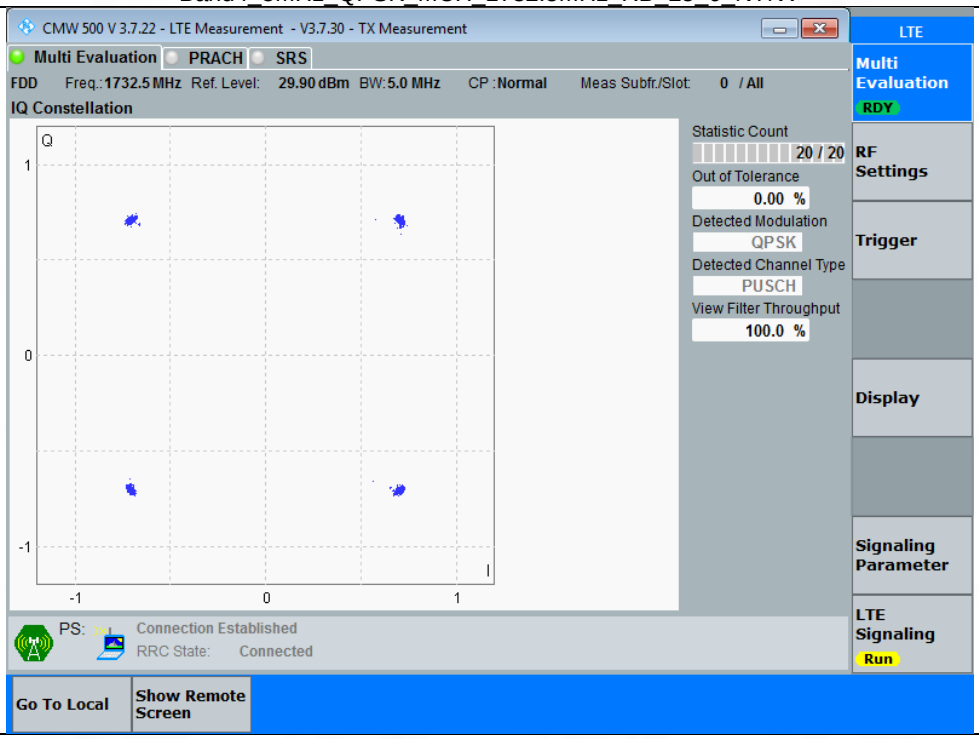
3.3 B4_5MHz

3.3.1 Test Result

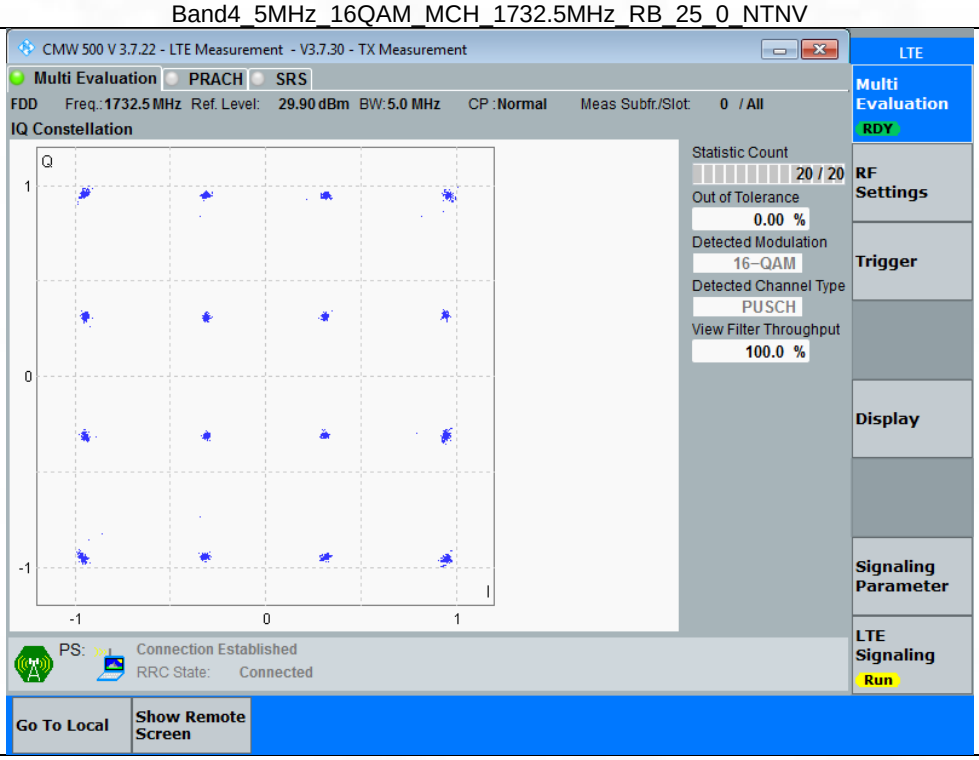
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

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



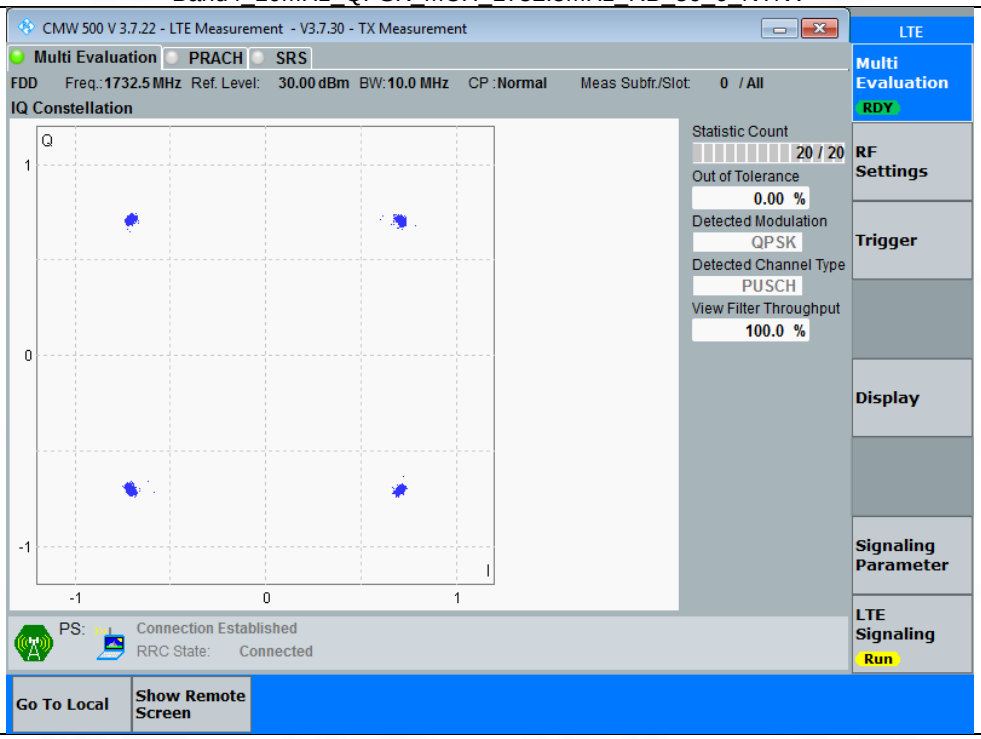
3.4 B4_10MHz

3.4.1 Test Result

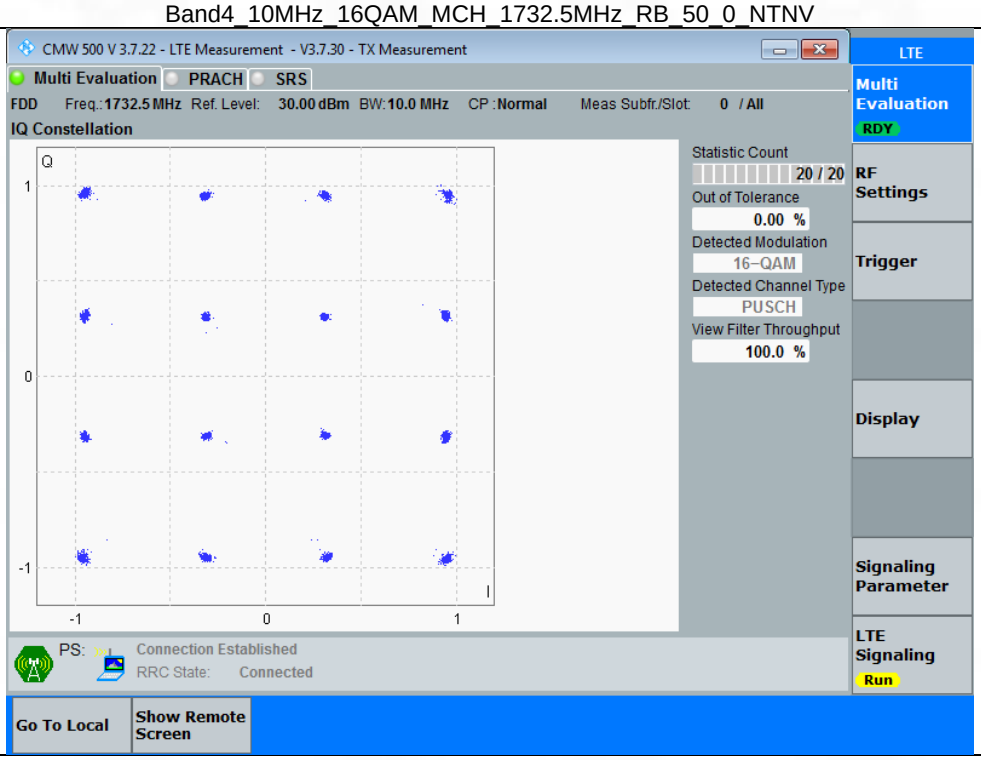
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

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



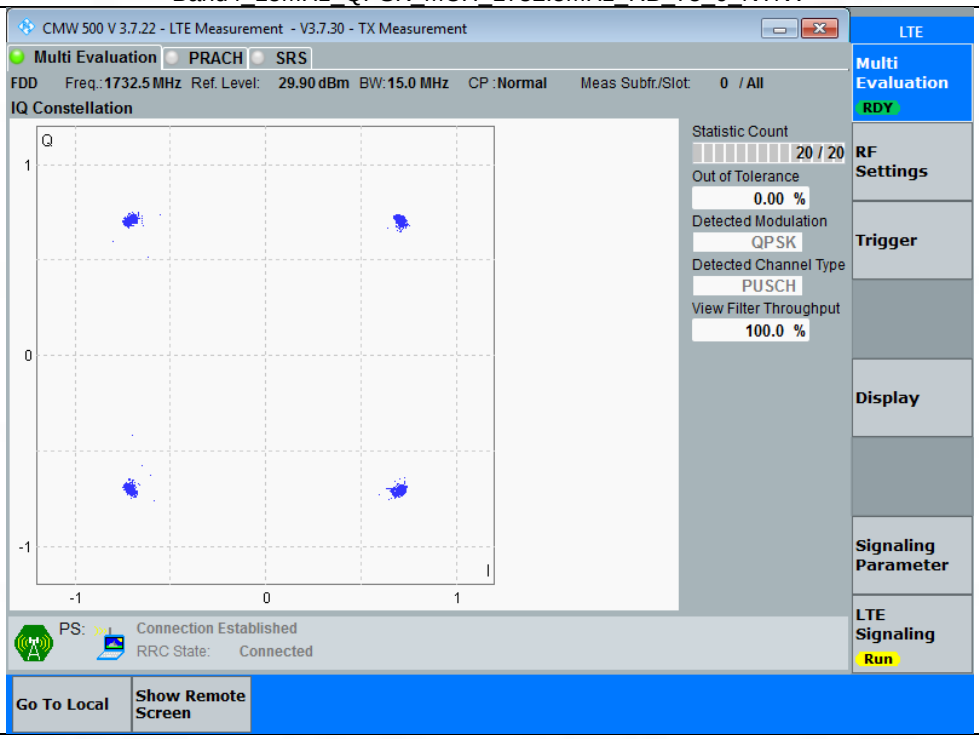
3.5 B4_15MHz

3.5.1 Test Result

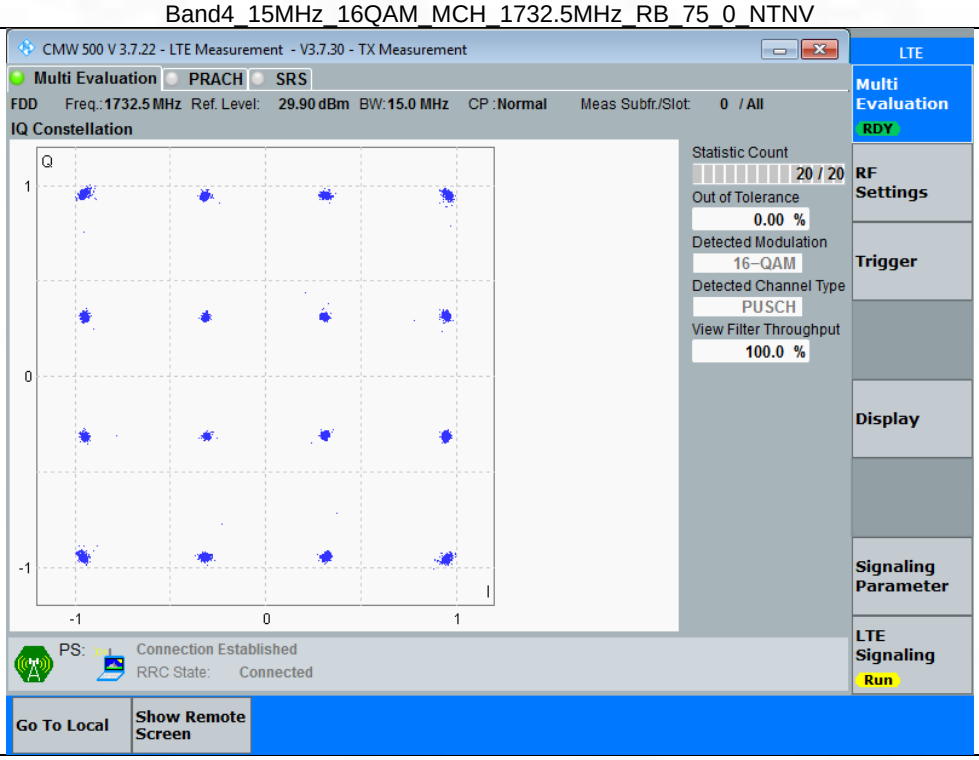
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

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



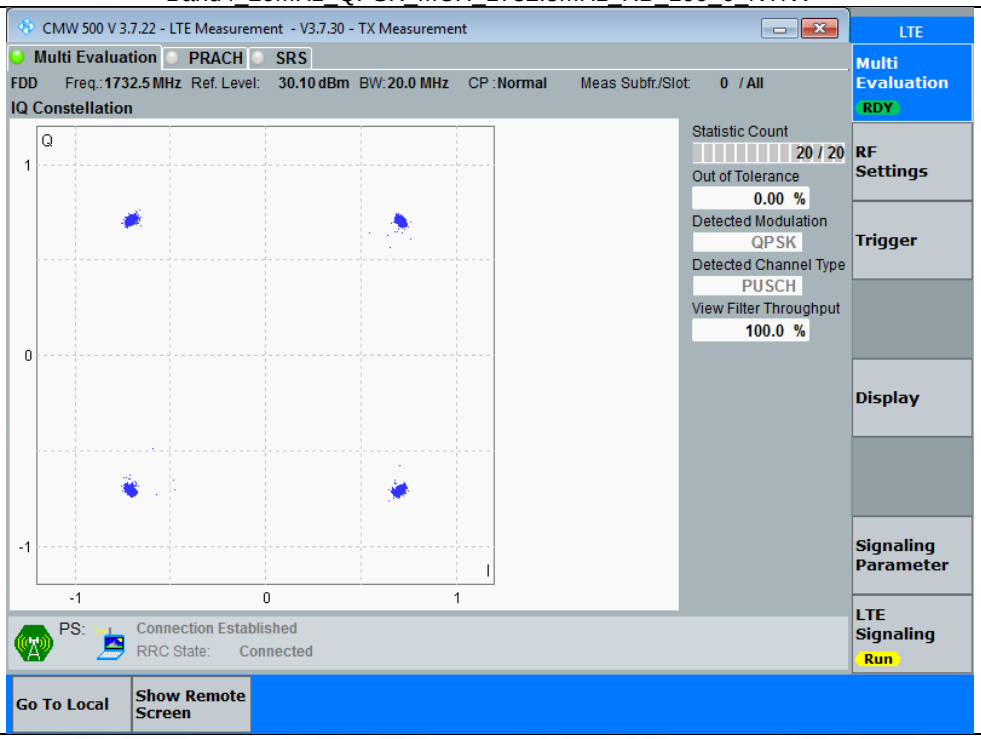
3.6 B4_20MHz

3.6.1 Test Result

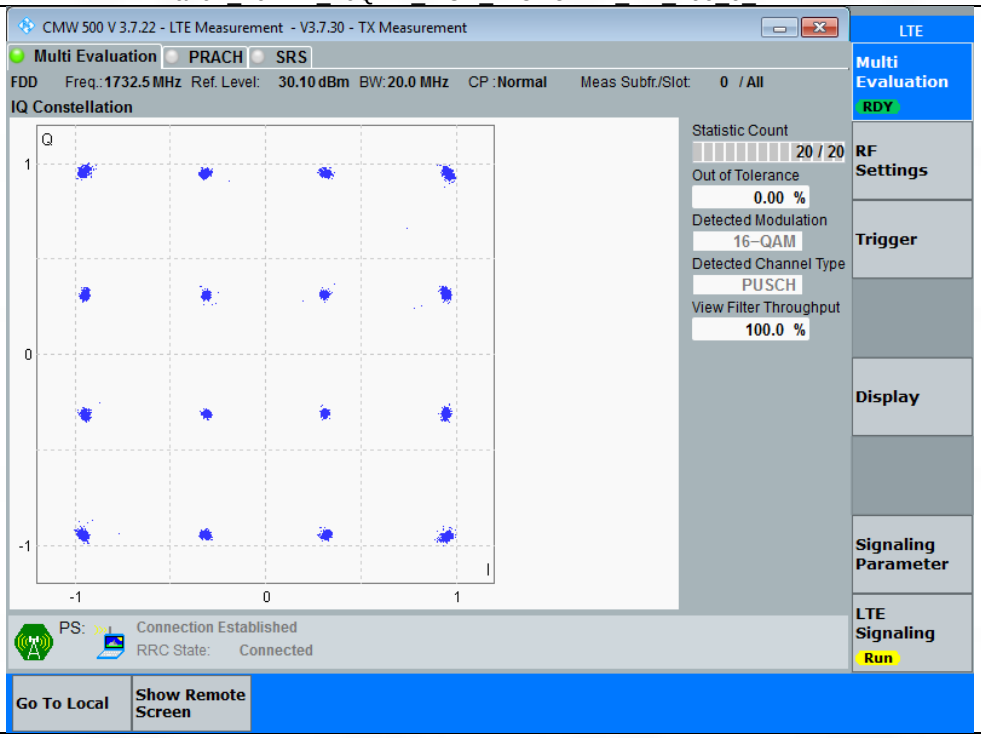
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

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



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4. 99% & 26dB Bandwidth

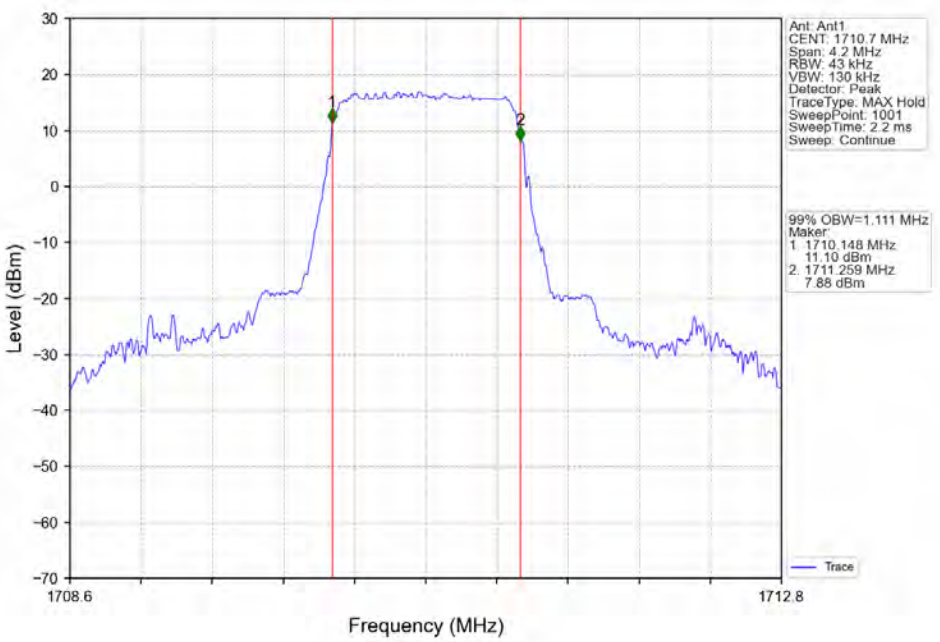
4.1 Band4_OBW

4.1.1 Test Result

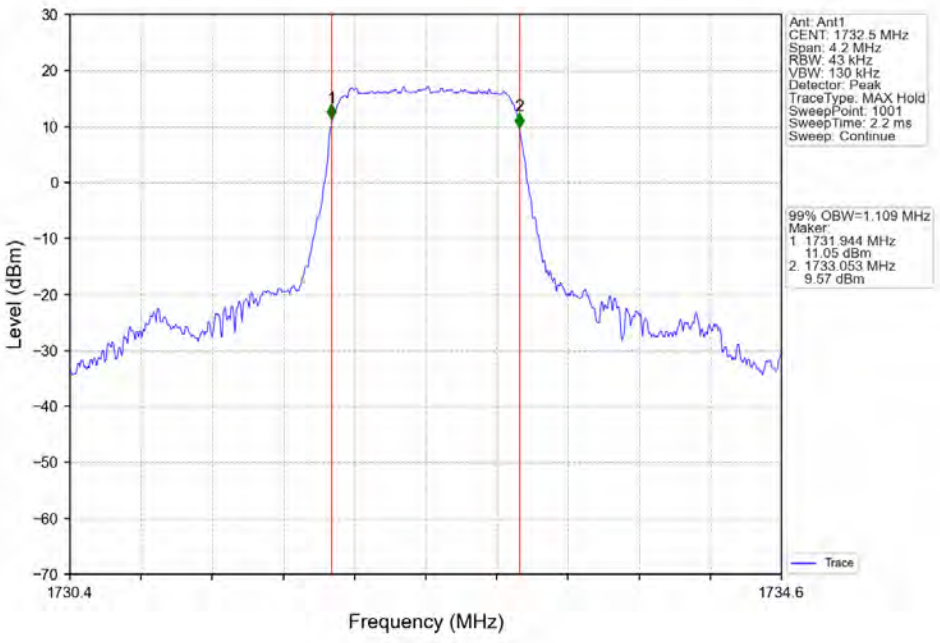
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.111	/	Pass
		1732.5	6	0	1.109	/	Pass
		1754.3	6	0	1.113	/	Pass
	16QAM	1710.7	6	0	1.109	/	Pass
		1732.5	6	0	1.119	/	Pass
		1754.3	6	0	1.112	/	Pass
3	QPSK	1711.5	15	0	2.724	/	Pass
		1732.5	15	0	2.732	/	Pass
		1753.5	15	0	2.725	/	Pass
	16QAM	1711.5	15	0	2.712	/	Pass
		1732.5	15	0	2.720	/	Pass
		1753.5	15	0	2.715	/	Pass
5	QPSK	1712.5	25	0	4.573	/	Pass
		1732.5	25	0	4.561	/	Pass
		1752.5	25	0	4.570	/	Pass
	16QAM	1712.5	25	0	4.601	/	Pass
		1732.5	25	0	4.582	/	Pass
		1752.5	25	0	4.552	/	Pass
10	QPSK	1715	50	0	9.092	/	Pass
		1732.5	50	0	9.069	/	Pass
		1750	50	0	9.095	/	Pass
	16QAM	1715	50	0	9.064	/	Pass
		1732.5	50	0	9.051	/	Pass
		1750	50	0	9.080	/	Pass
15	QPSK	1717.5	75	0	13.597	/	Pass
		1732.5	75	0	13.600	/	Pass
		1747.5	75	0	13.627	/	Pass
	16QAM	1717.5	75	0	13.631	/	Pass
		1732.5	75	0	13.619	/	Pass
		1747.5	75	0	13.651	/	Pass
20	QPSK	1720	100	0	18.176	/	Pass
		1732.5	100	0	18.108	/	Pass
		1745	100	0	18.140	/	Pass
	16QAM	1720	100	0	18.132	/	Pass
		1732.5	100	0	18.147	/	Pass
		1745	100	0	18.238	/	Pass

4.1.2 Test Graph

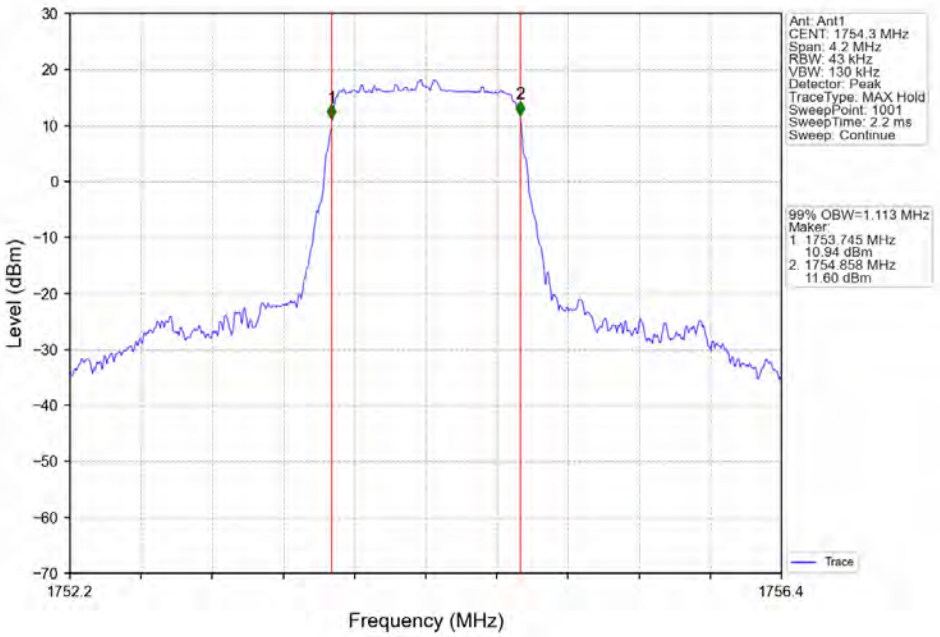
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



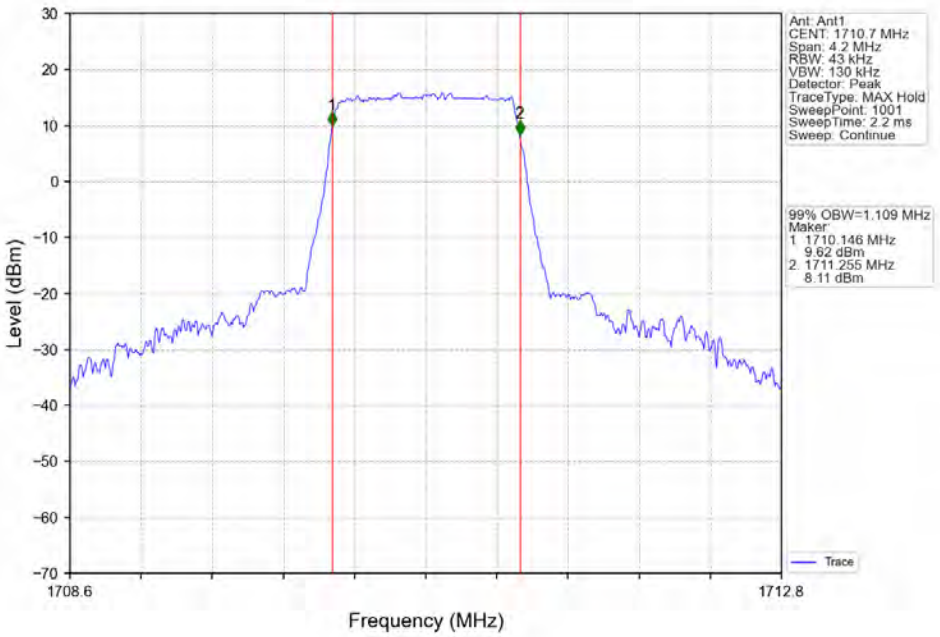
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



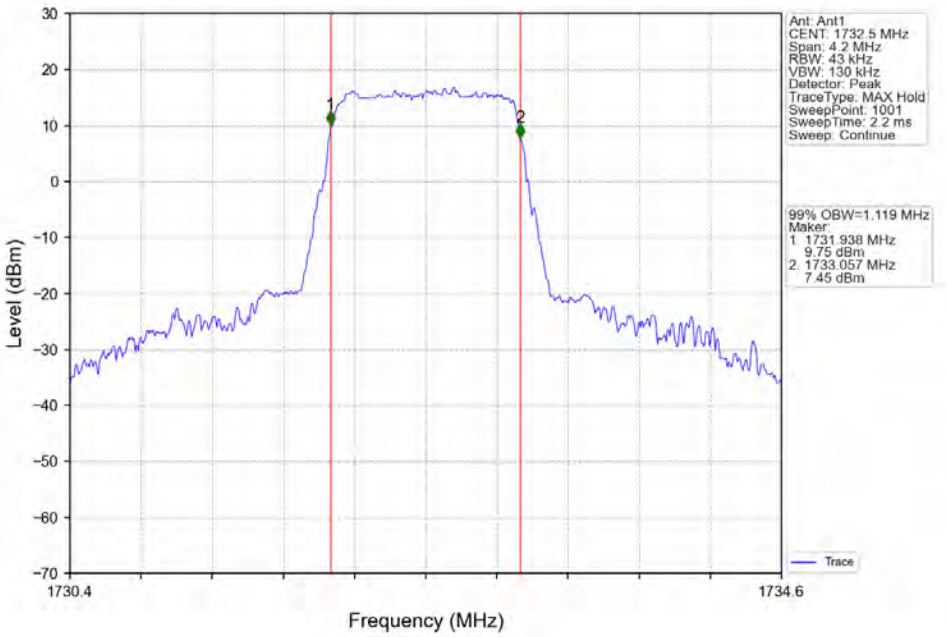
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



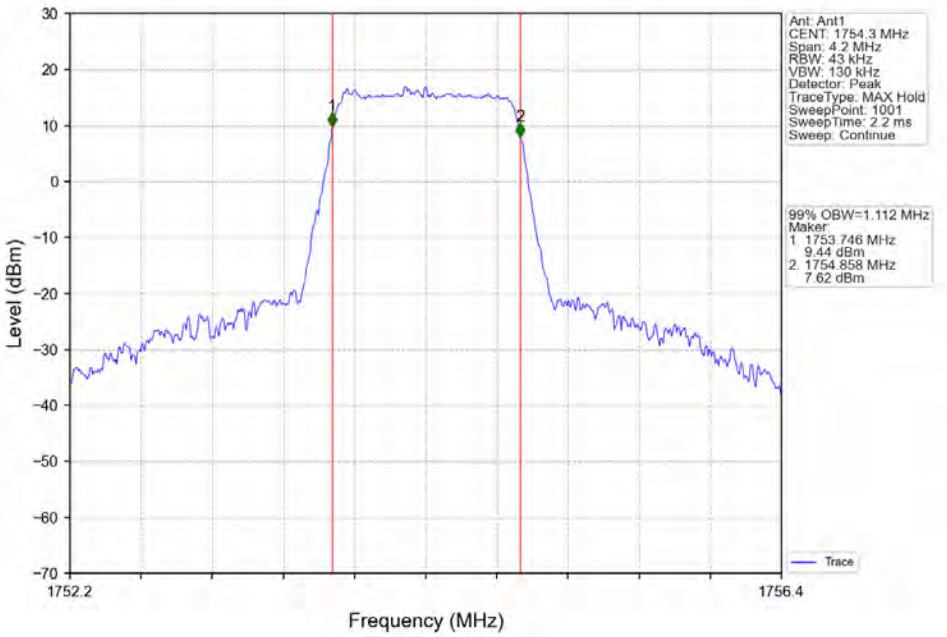
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



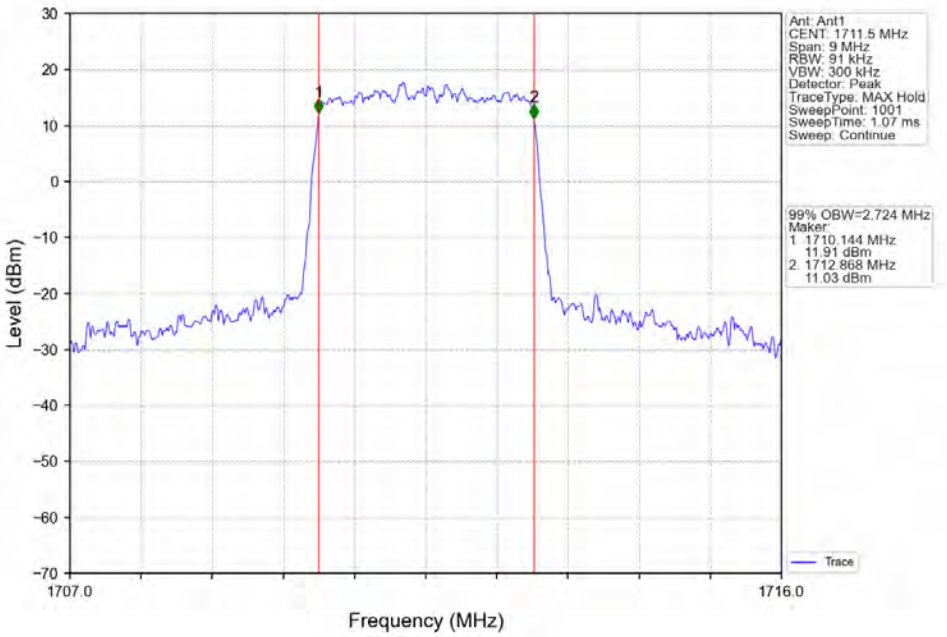
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



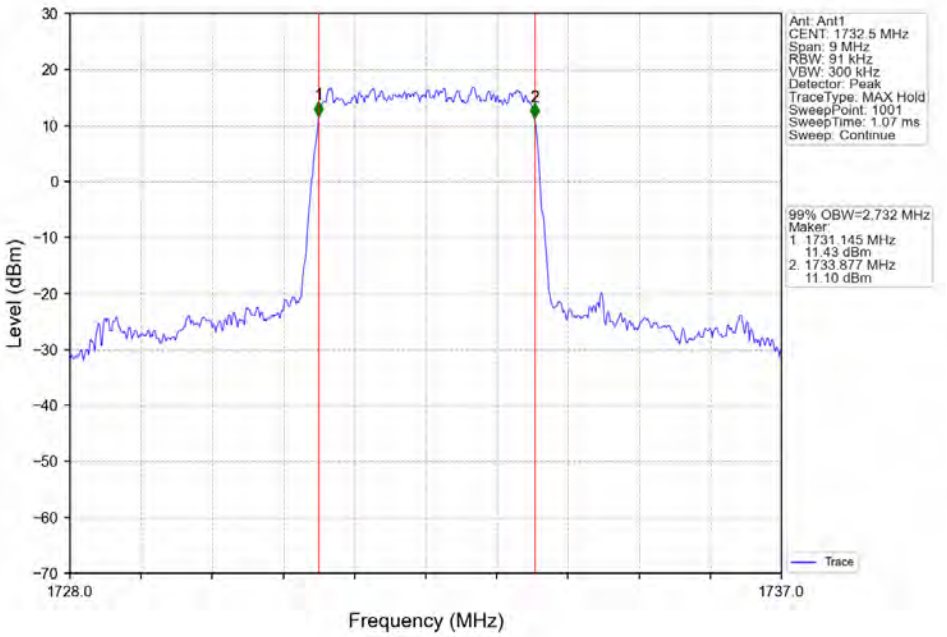
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



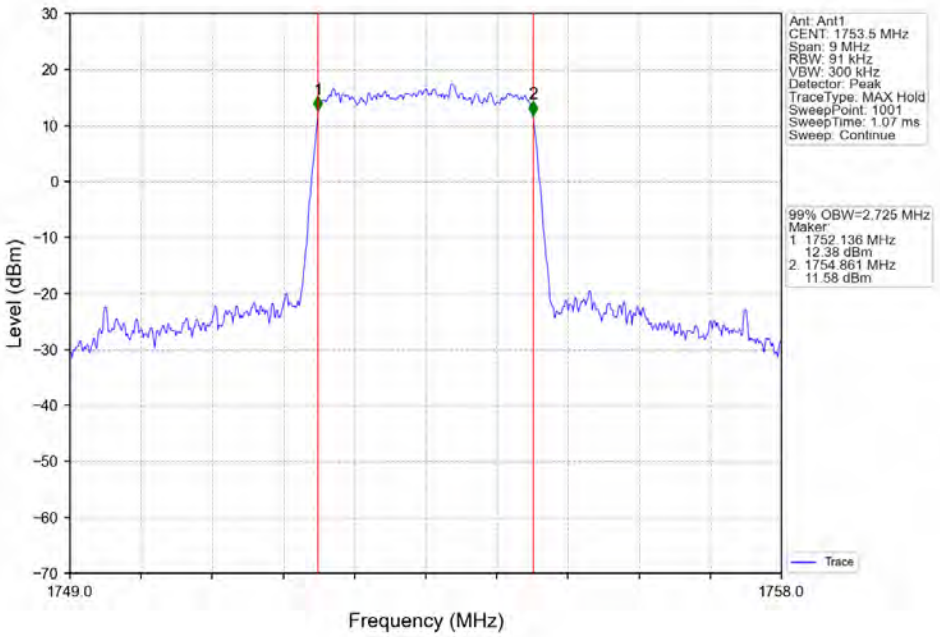
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



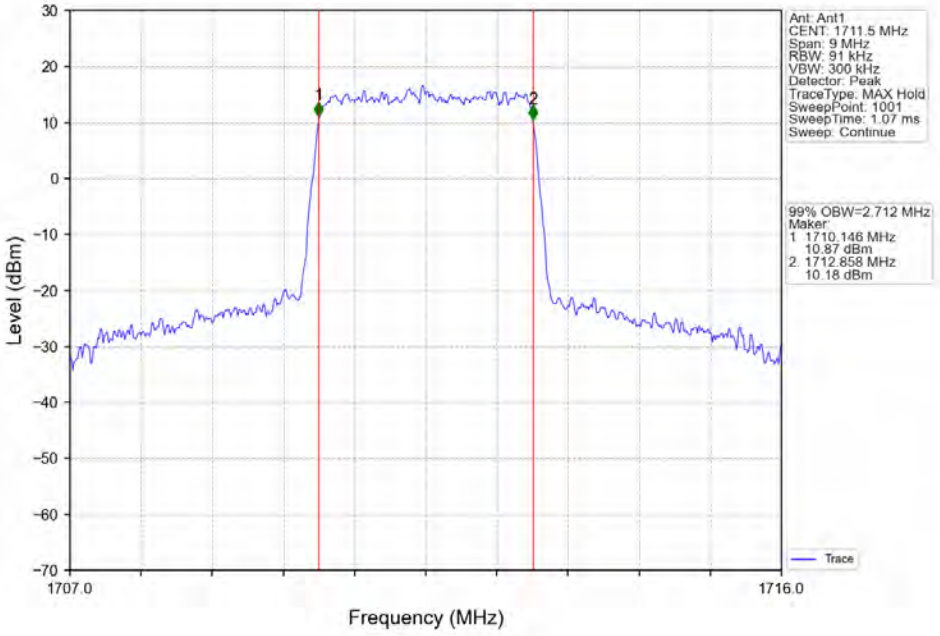
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



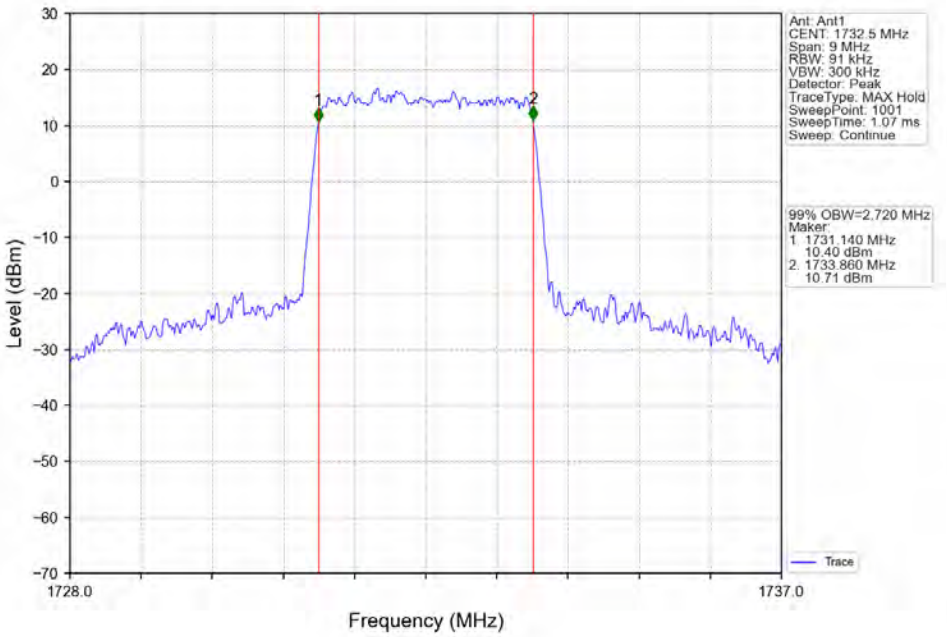
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



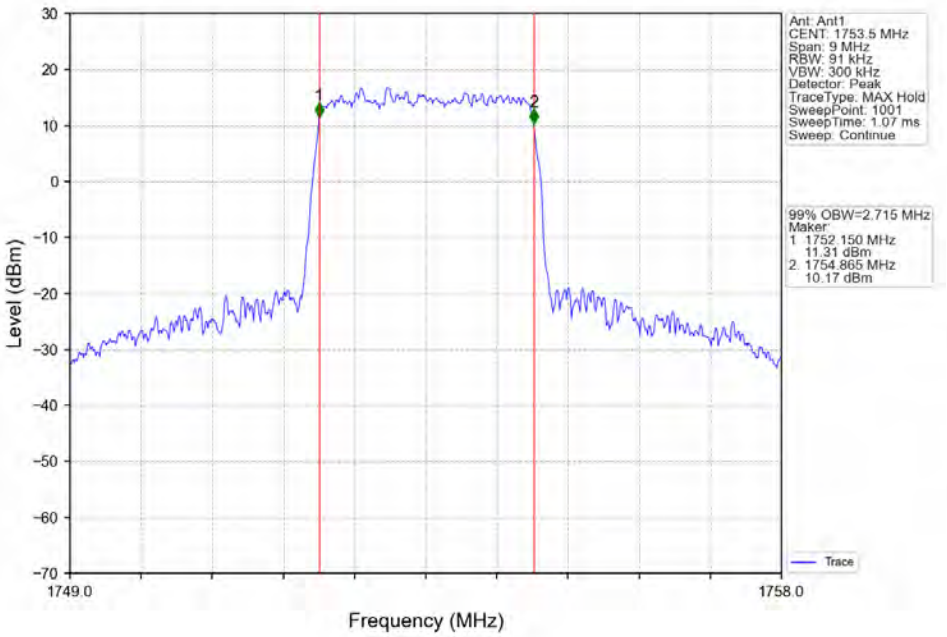
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



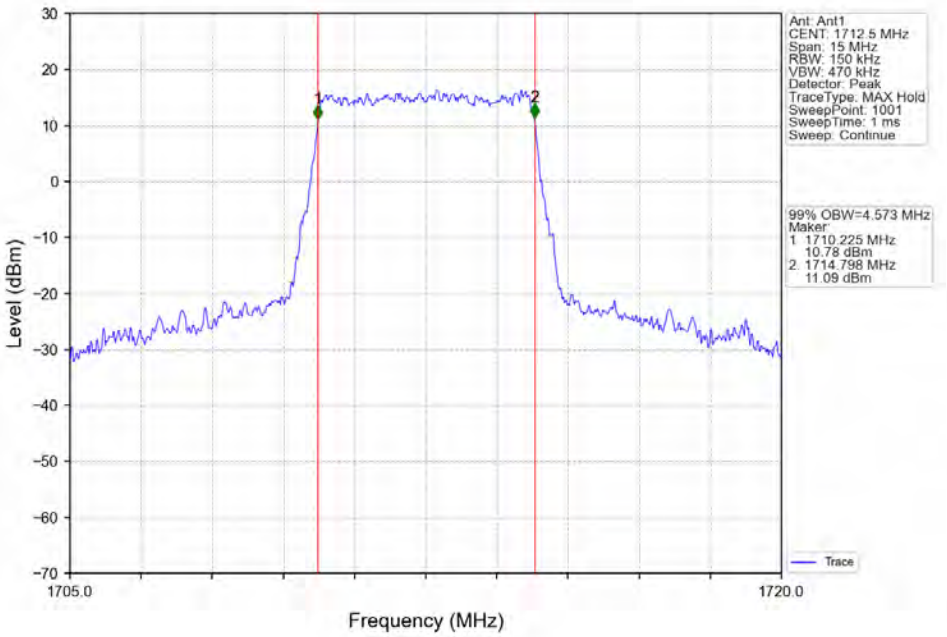
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



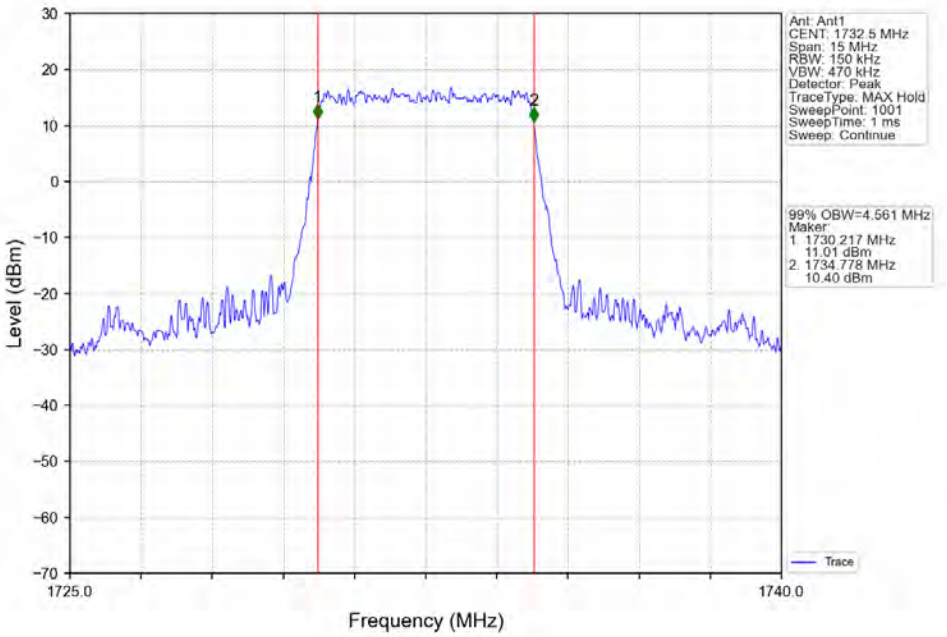
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



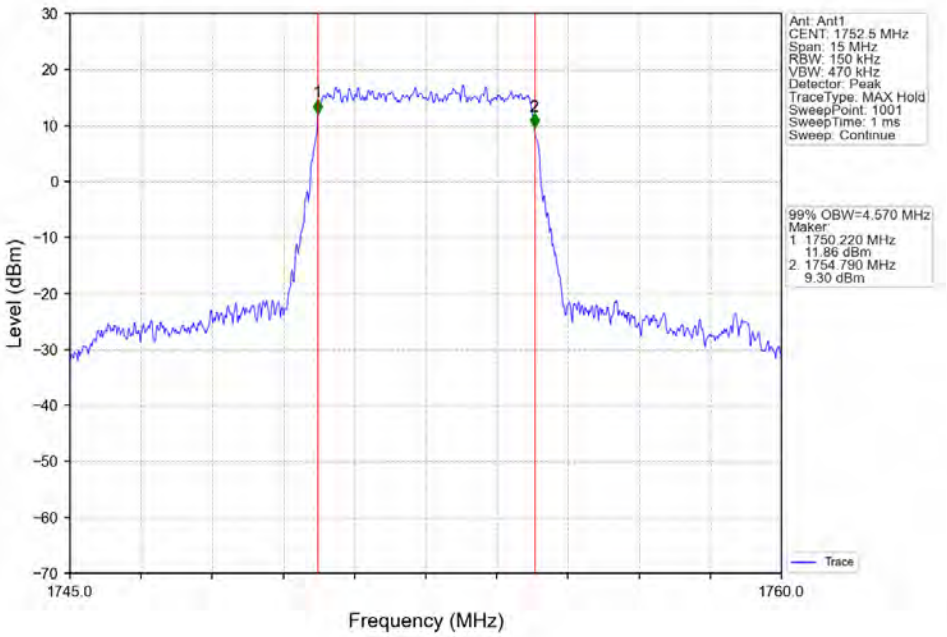
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



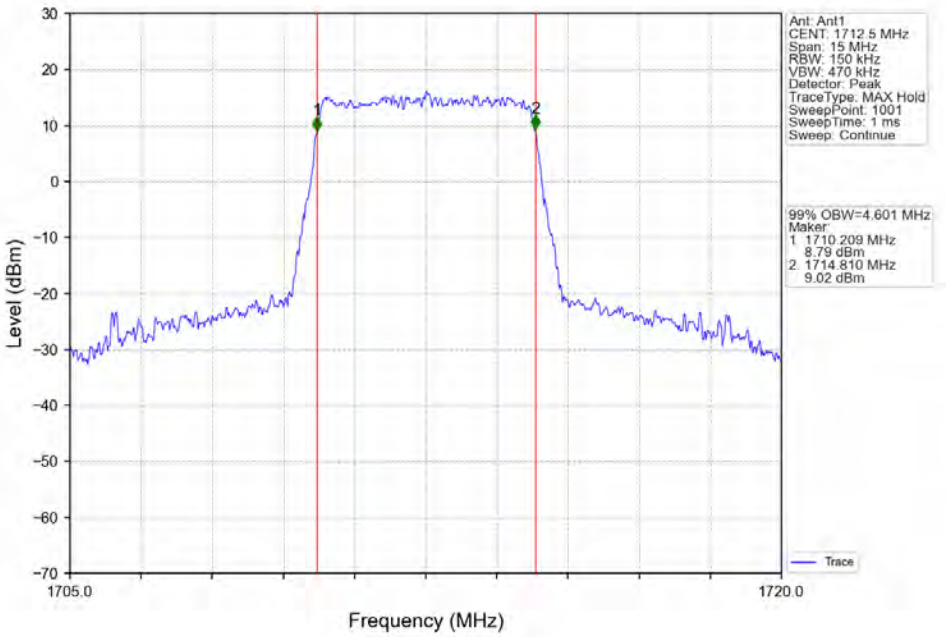
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



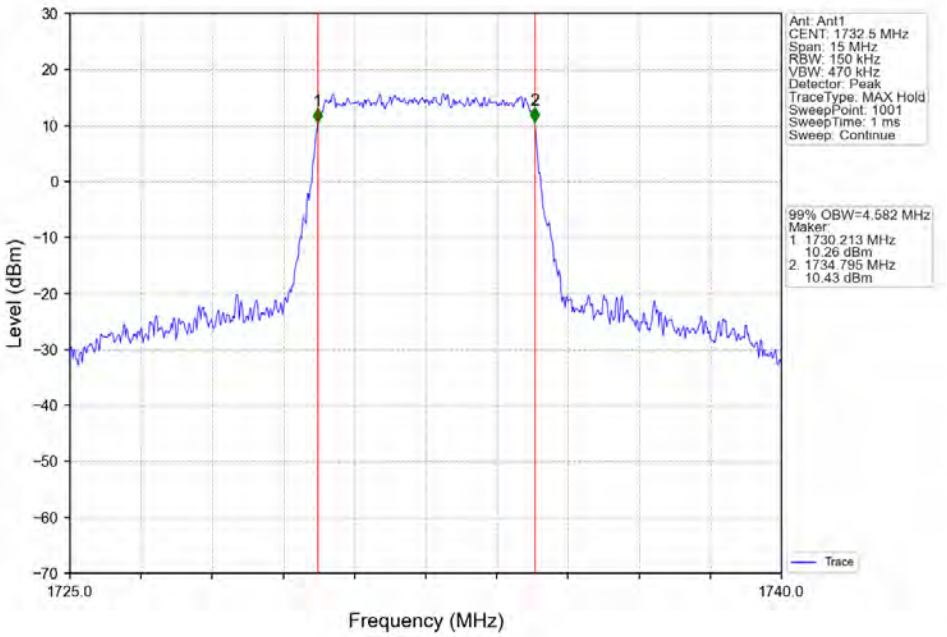
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



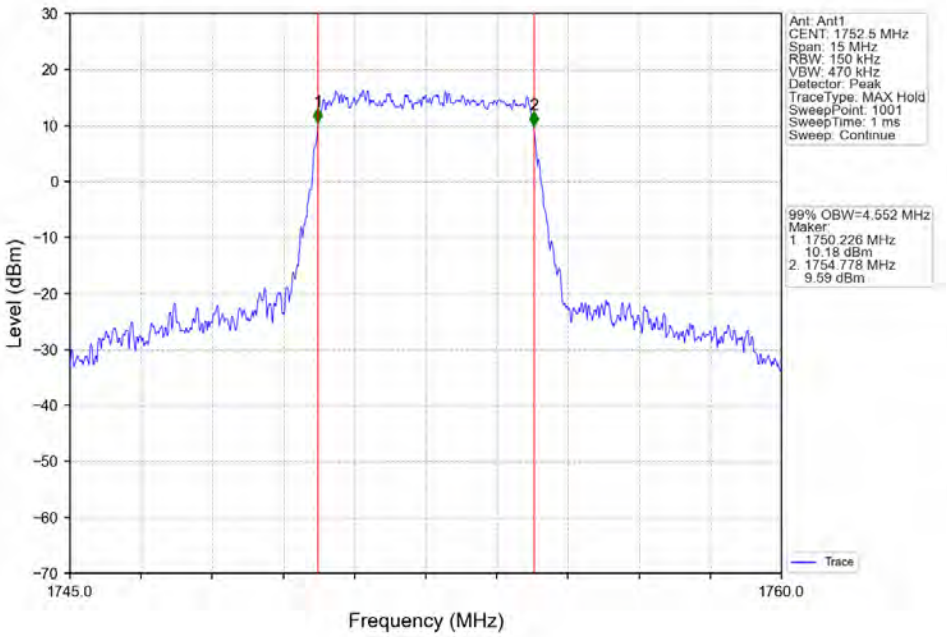
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



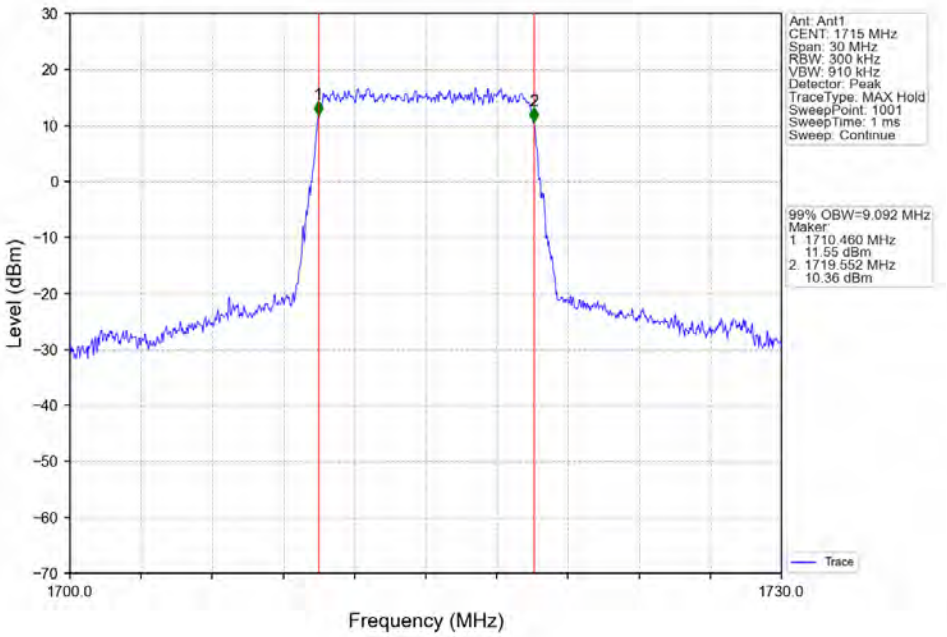
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



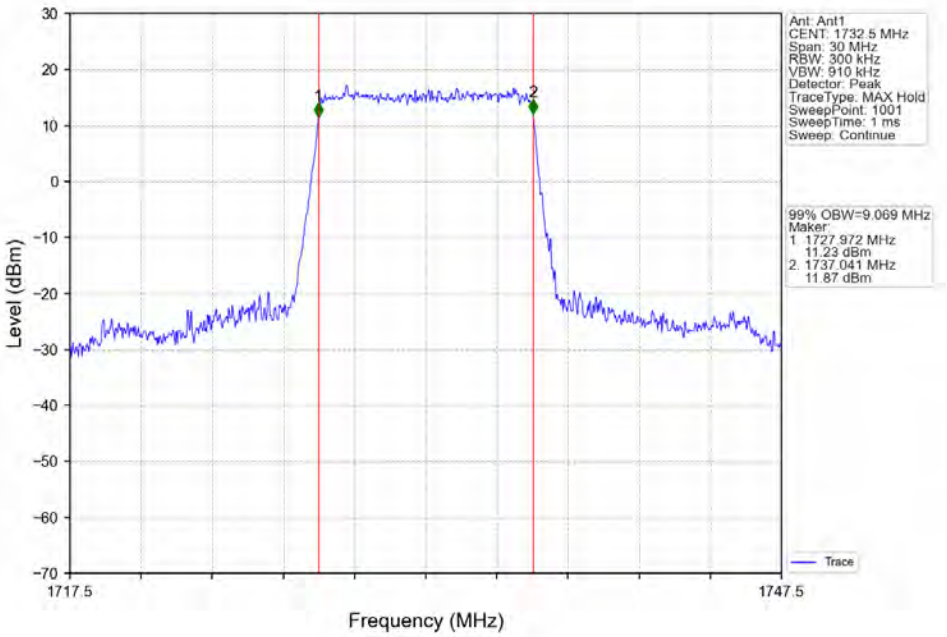
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



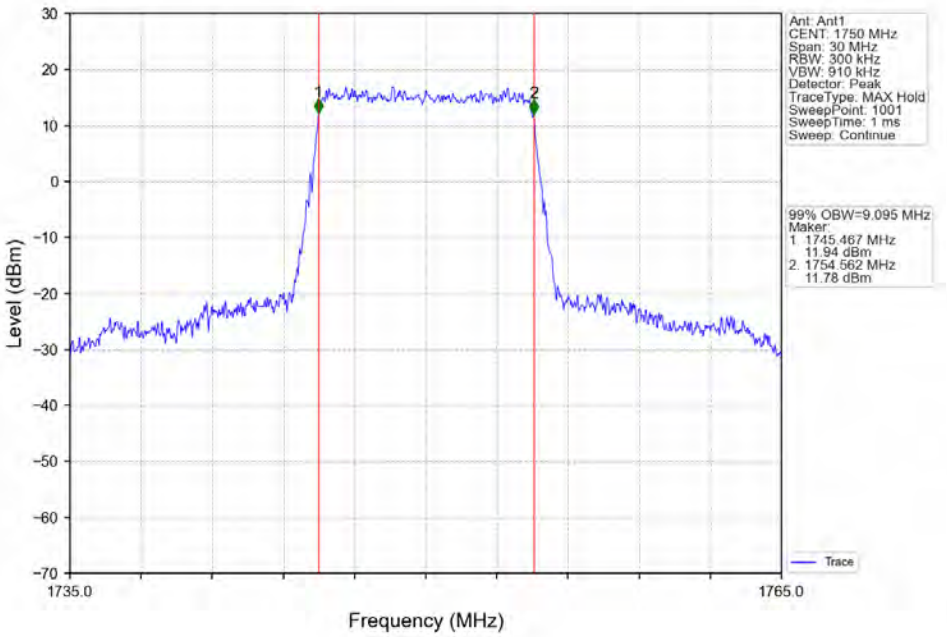
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



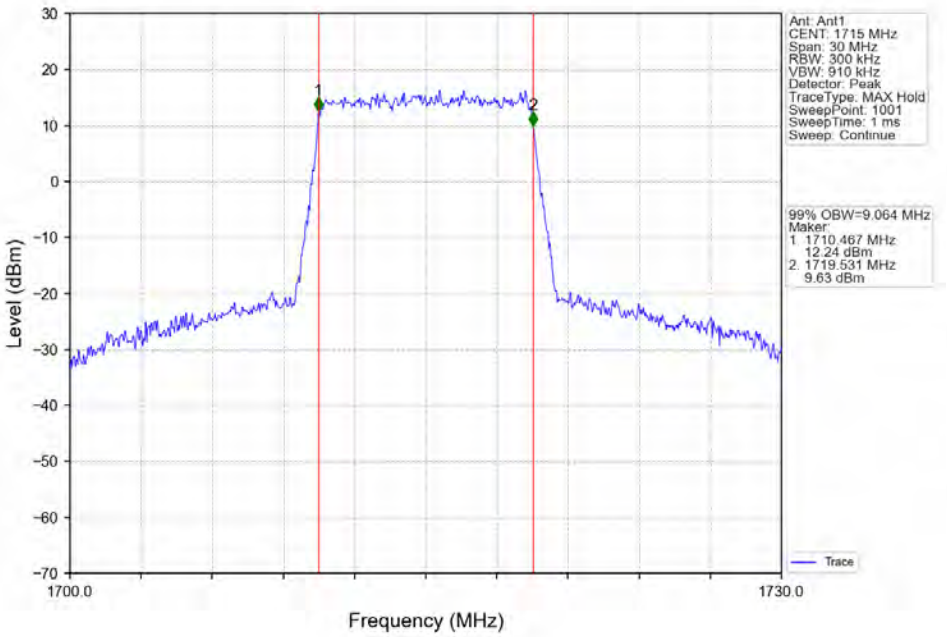
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



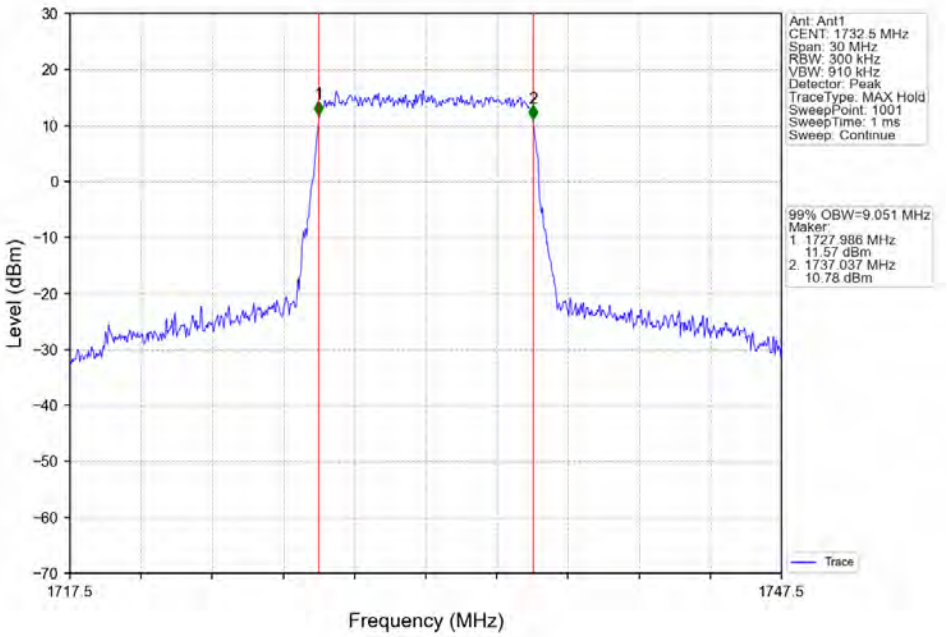
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



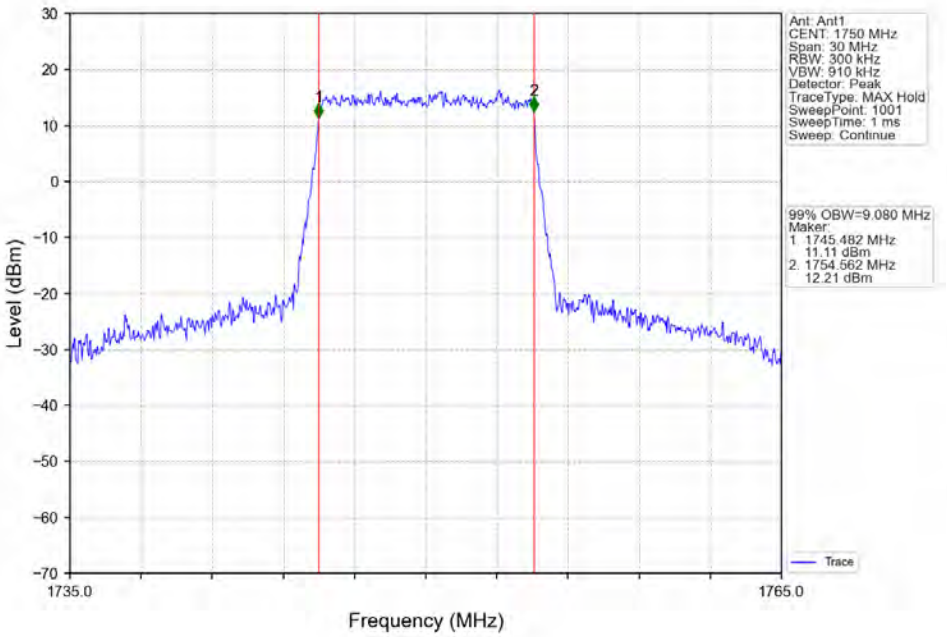
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



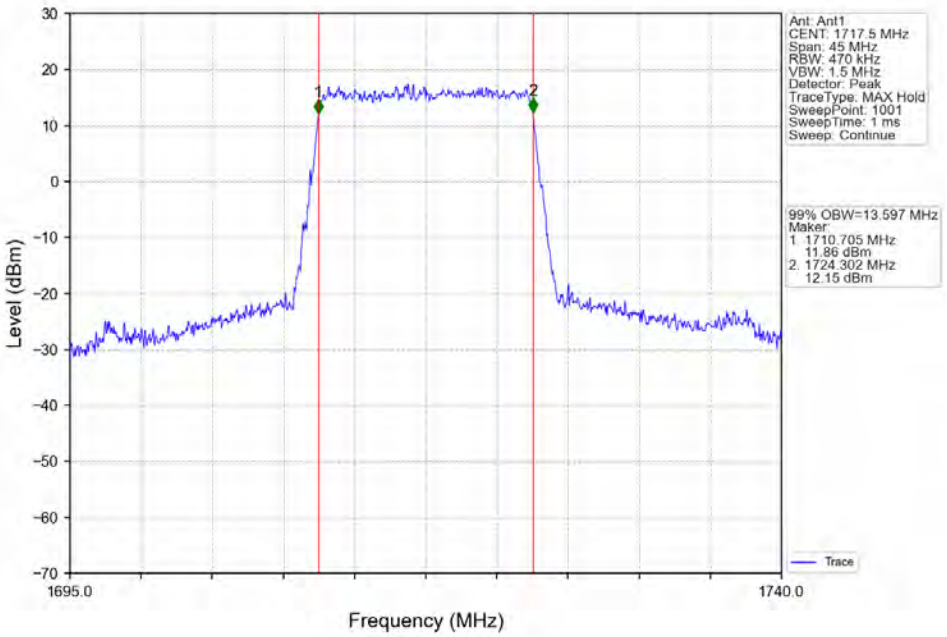
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



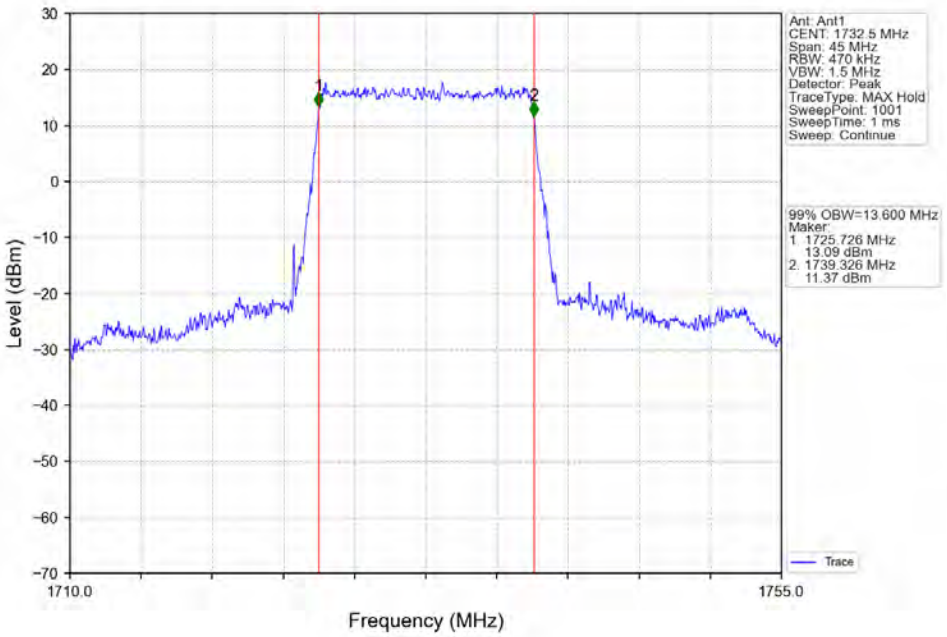
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



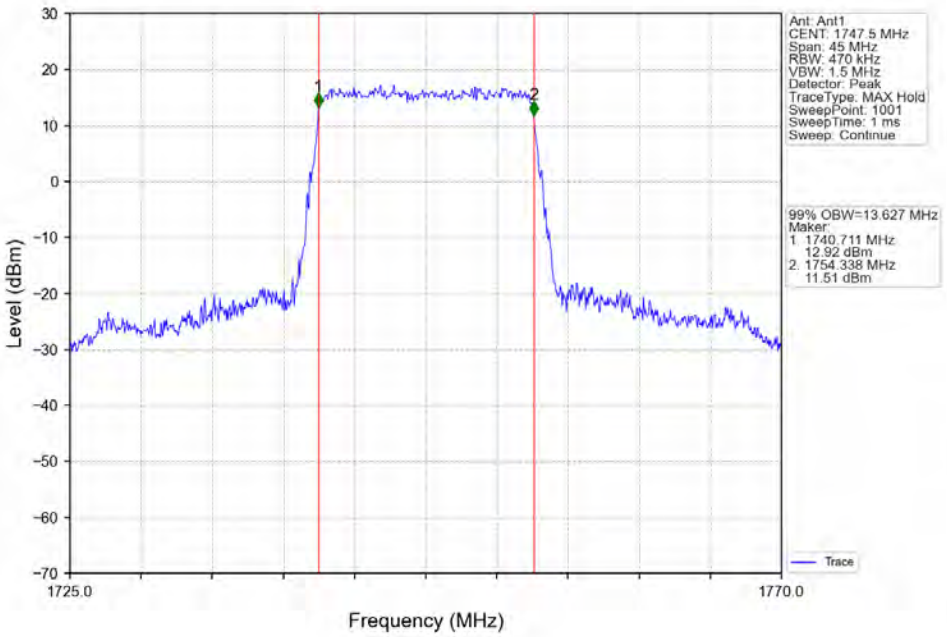
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



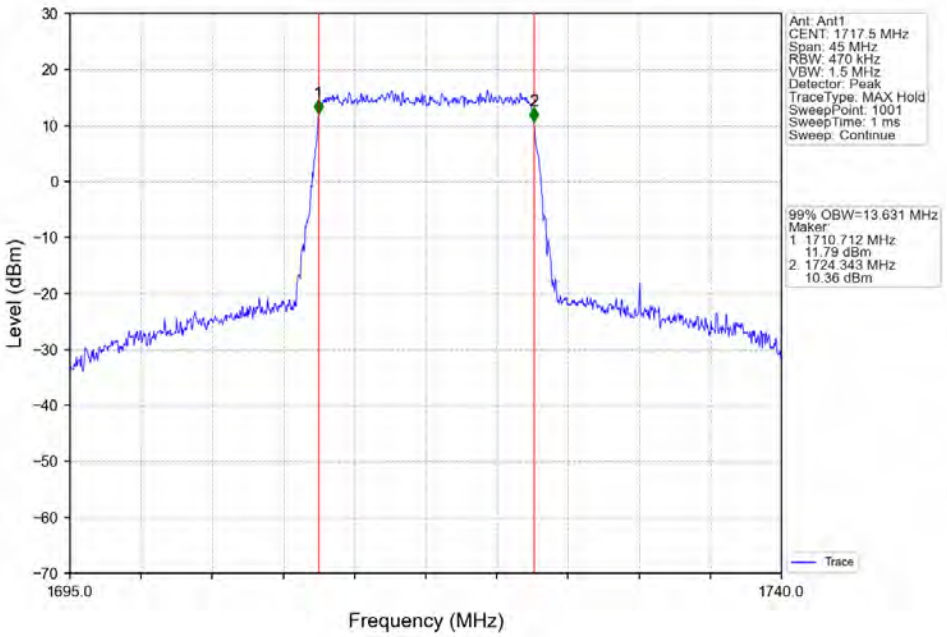
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



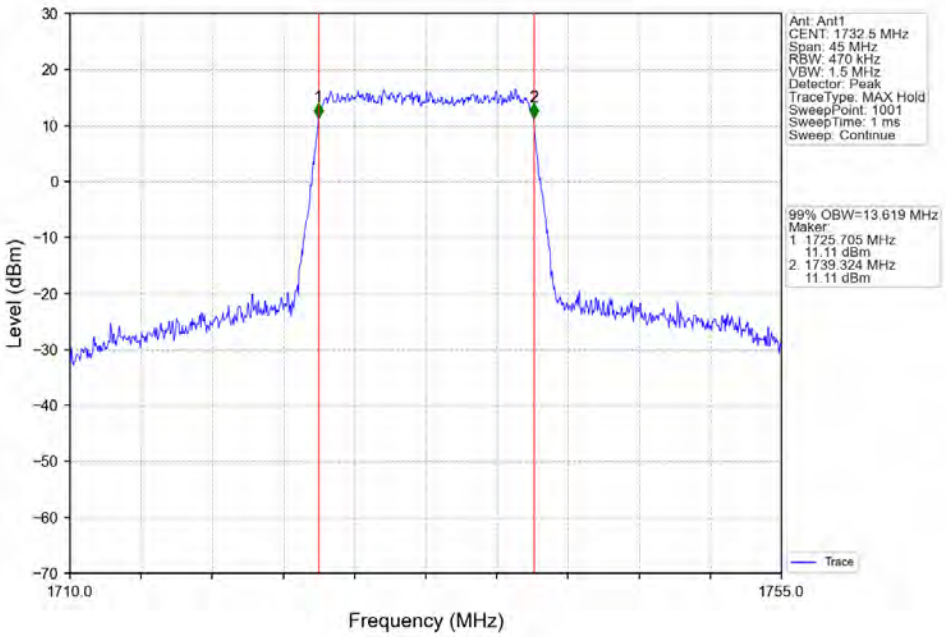
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



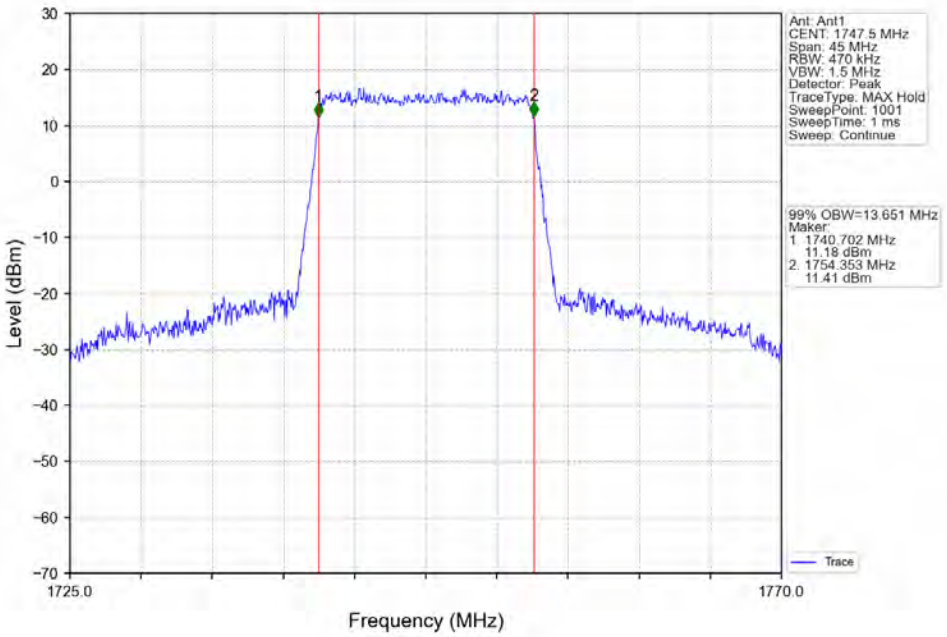
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



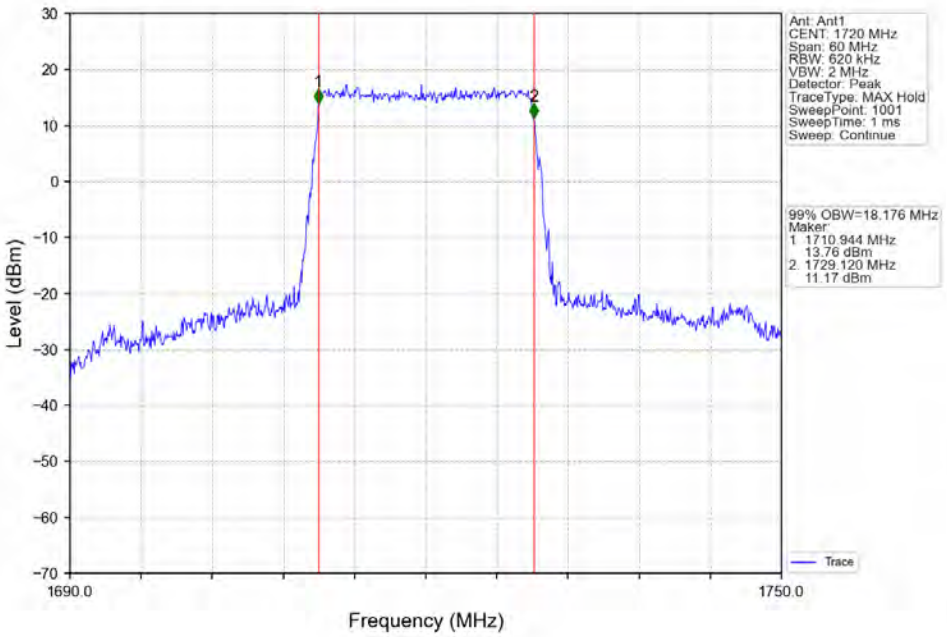
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



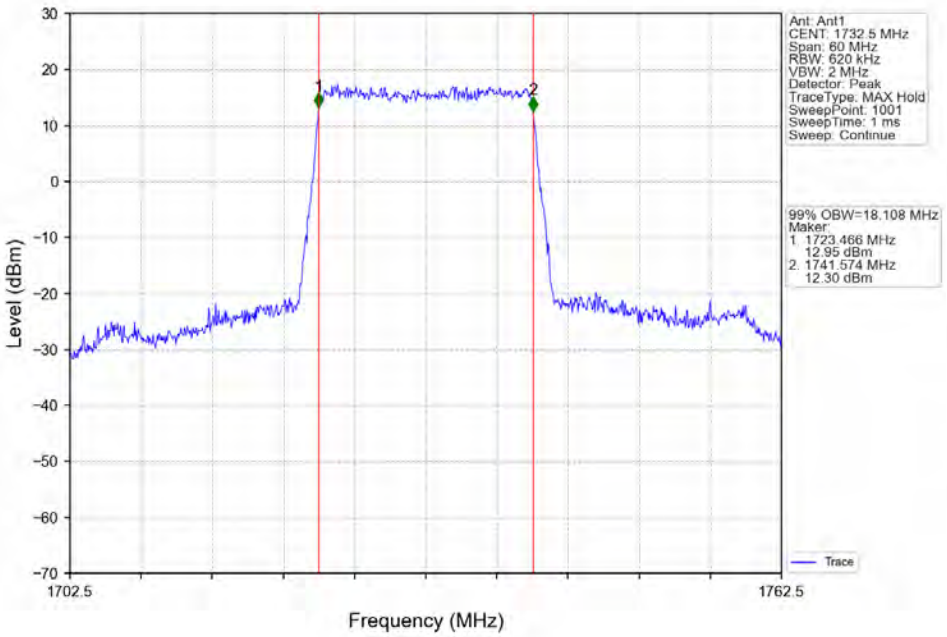
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



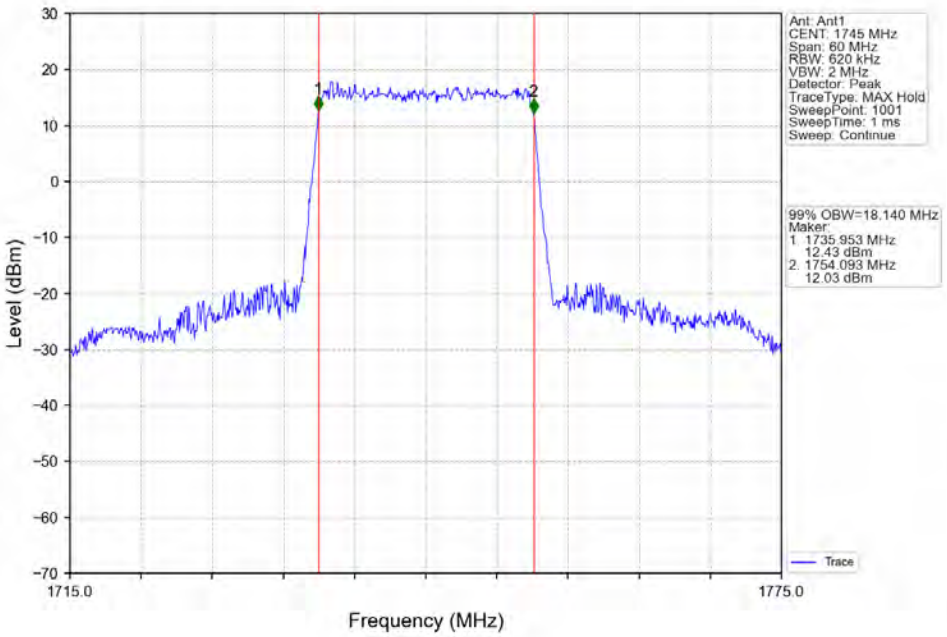
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



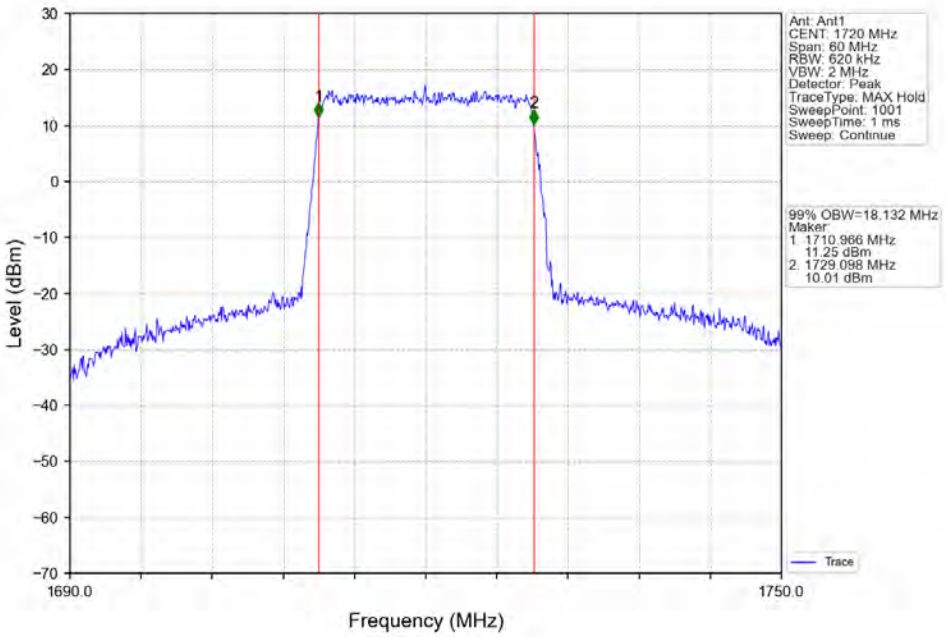
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



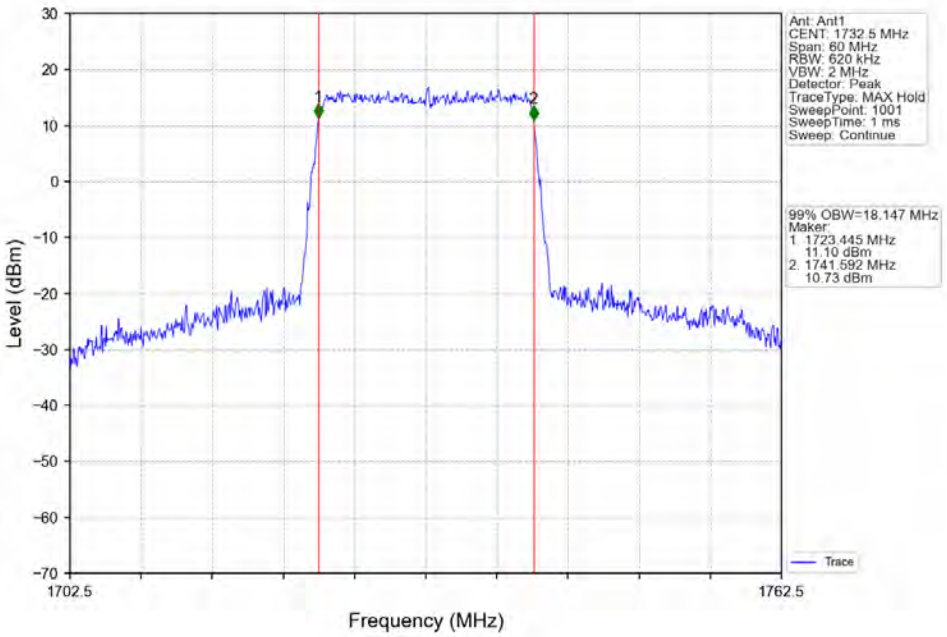
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



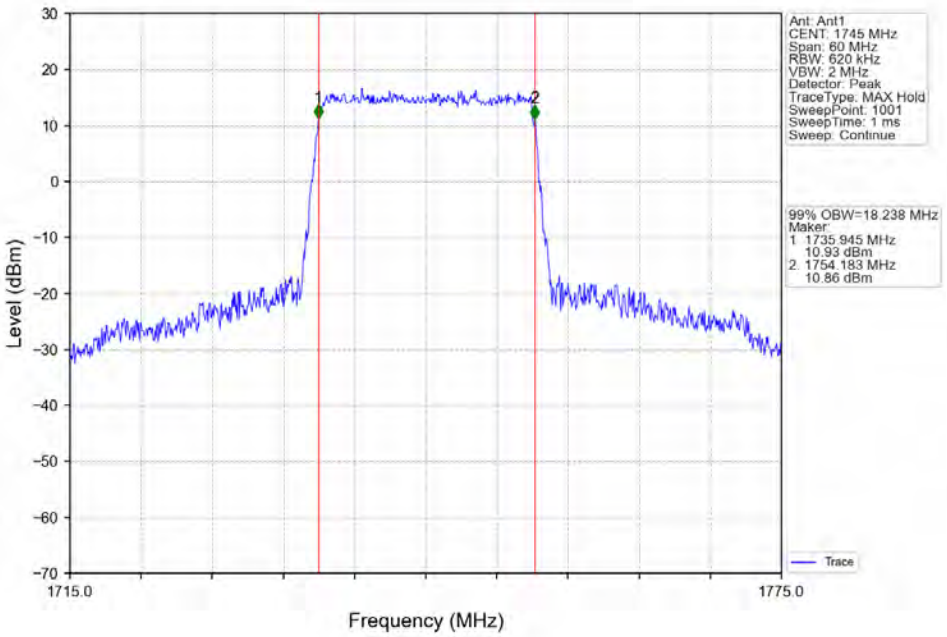
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



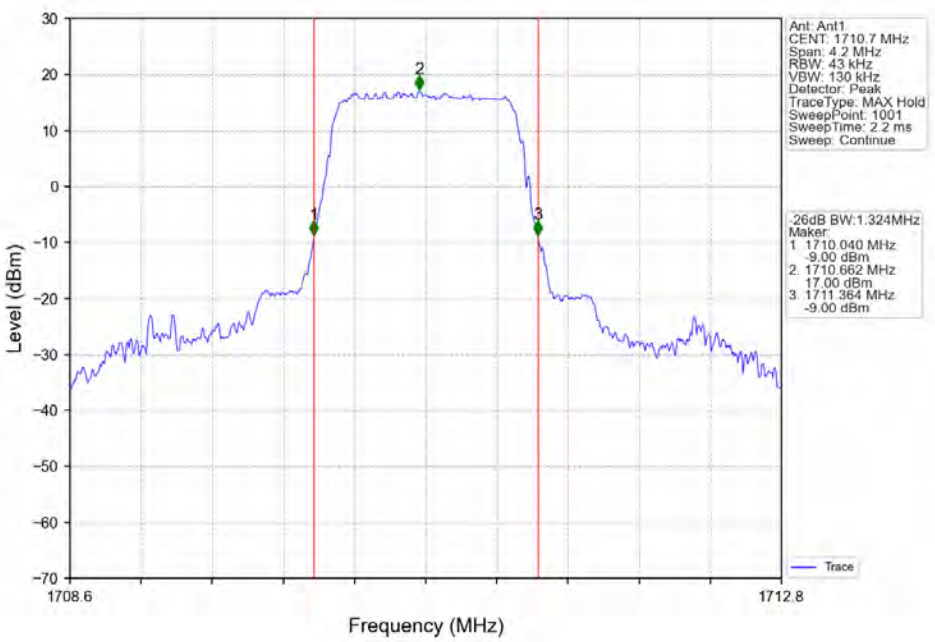
4.2 Band4_XDB

4.2.1 Test Result

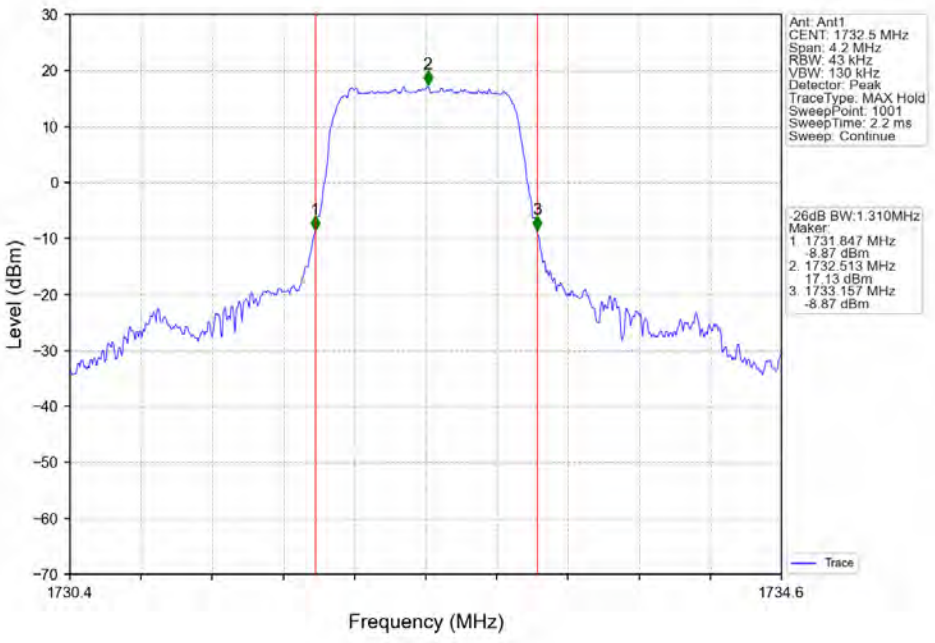
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.324	/	Pass
		1732.5	6	0	1.310	/	Pass
		1754.3	6	0	1.309	/	Pass
	16QAM	1710.7	6	0	1.317	/	Pass
		1732.5	6	0	1.330	/	Pass
		1754.3	6	0	1.324	/	Pass
3	QPSK	1711.5	15	0	2.983	/	Pass
		1732.5	15	0	3.003	/	Pass
		1753.5	15	0	2.984	/	Pass
	16QAM	1711.5	15	0	2.998	/	Pass
		1732.5	15	0	2.992	/	Pass
		1753.5	15	0	2.969	/	Pass
5	QPSK	1712.5	25	0	5.342	/	Pass
		1732.5	25	0	5.244	/	Pass
		1752.5	25	0	5.254	/	Pass
	16QAM	1712.5	25	0	5.317	/	Pass
		1732.5	25	0	5.309	/	Pass
		1752.5	25	0	5.236	/	Pass
10	QPSK	1715	50	0	10.266	/	Pass
		1732.5	50	0	10.165	/	Pass
		1750	50	0	10.261	/	Pass
	16QAM	1715	50	0	10.264	/	Pass
		1732.5	50	0	10.257	/	Pass
		1750	50	0	10.275	/	Pass
15	QPSK	1717.5	75	0	15.436	/	Pass
		1732.5	75	0	15.283	/	Pass
		1747.5	75	0	15.301	/	Pass
	16QAM	1717.5	75	0	15.264	/	Pass
		1732.5	75	0	15.402	/	Pass
		1747.5	75	0	15.335	/	Pass
20	QPSK	1720	100	0	20.478	/	Pass
		1732.5	100	0	20.140	/	Pass
		1745	100	0	19.876	/	Pass
	16QAM	1720	100	0	20.092	/	Pass
		1732.5	100	0	19.984	/	Pass
		1745	100	0	20.142	/	Pass

4.2.2 Test Graph

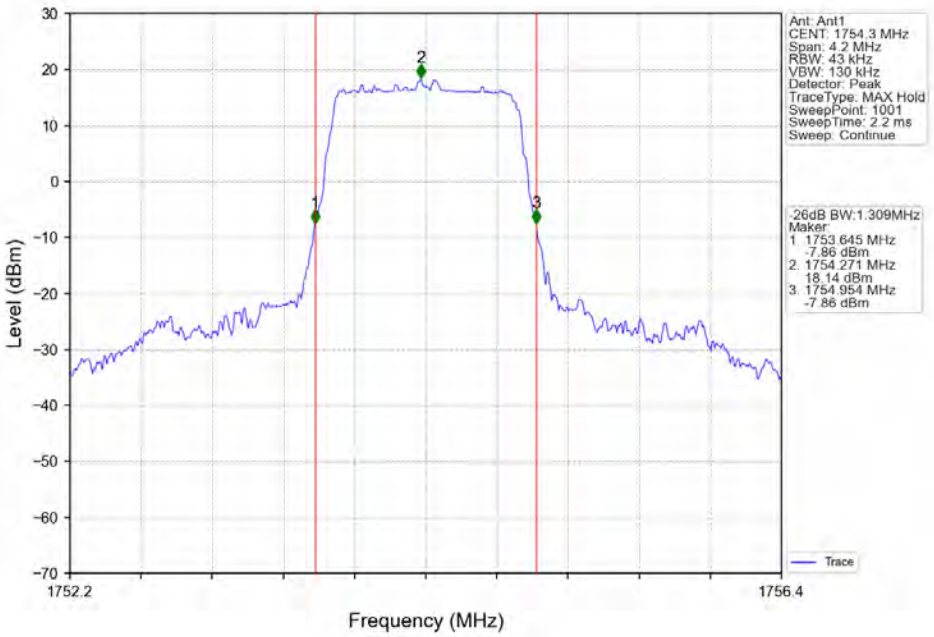
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



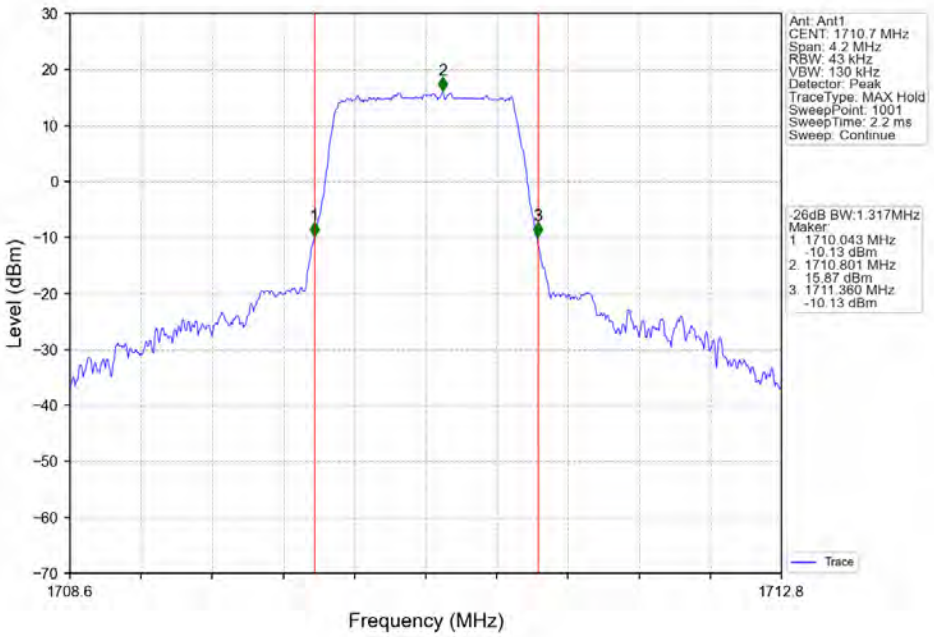
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



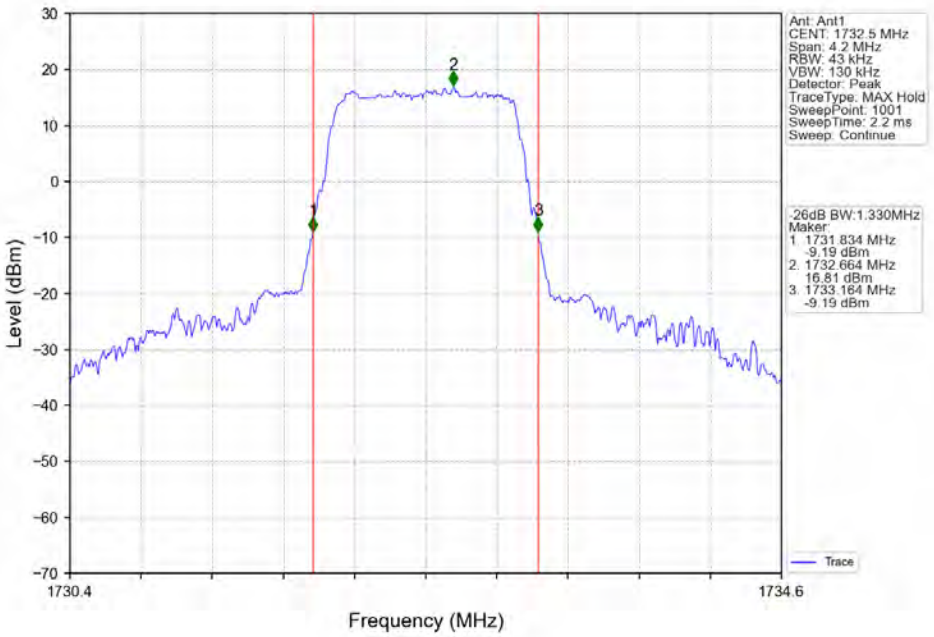
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



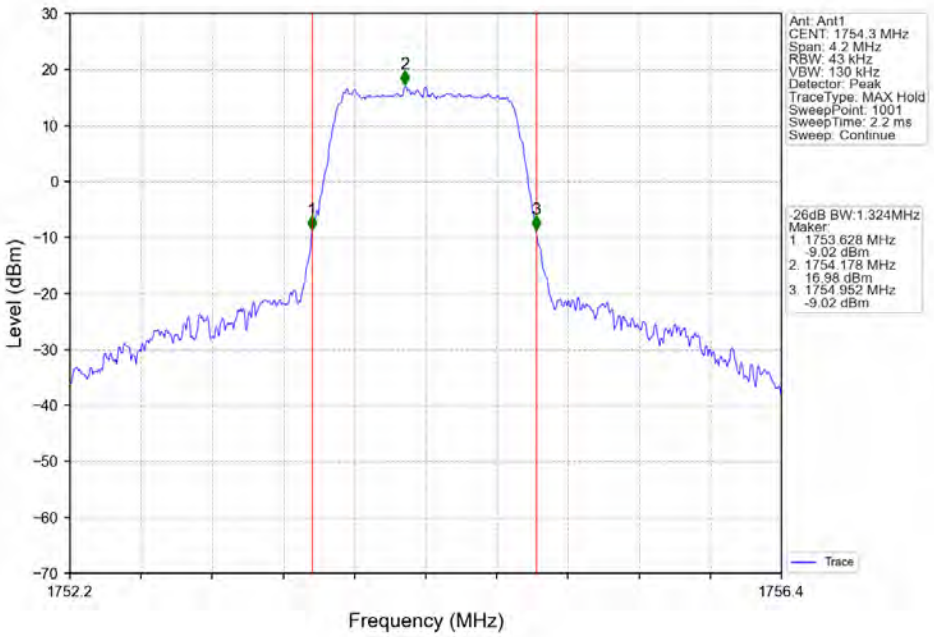
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



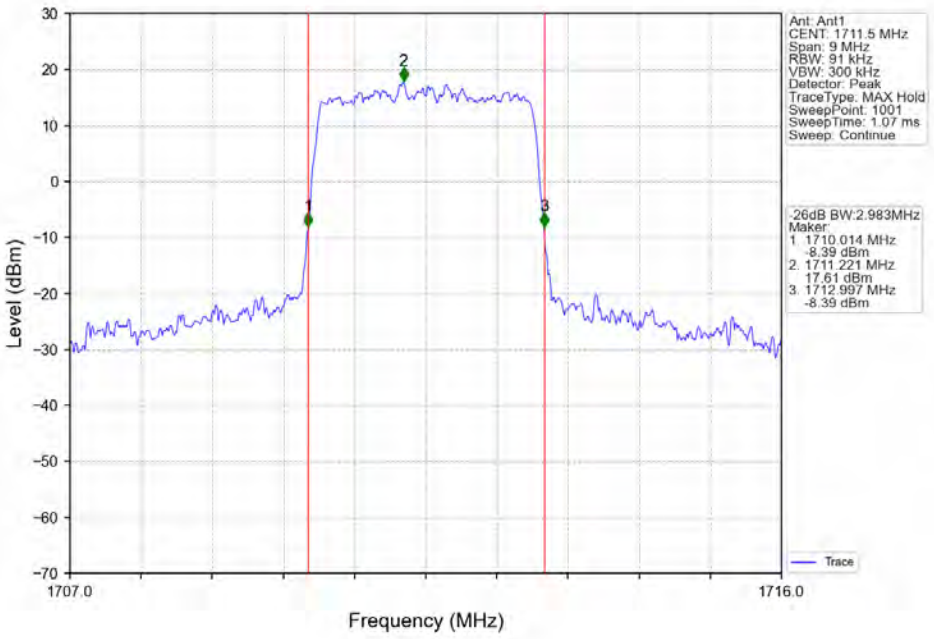
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



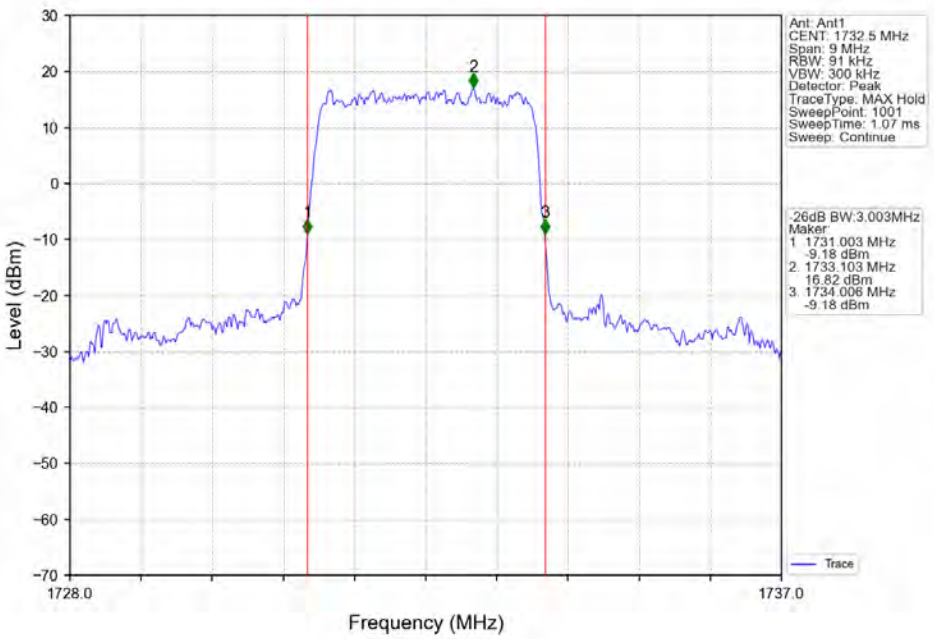
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



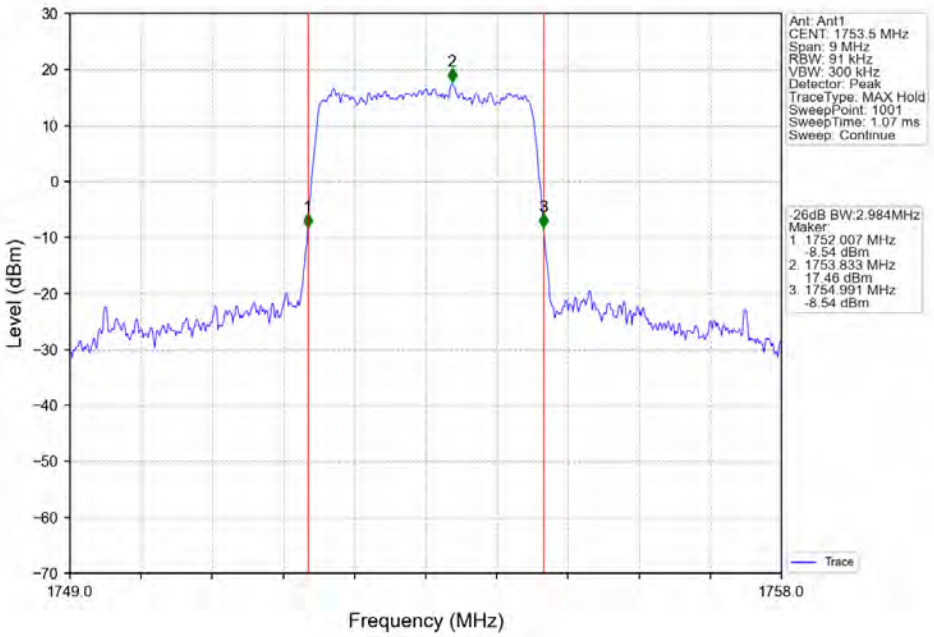
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



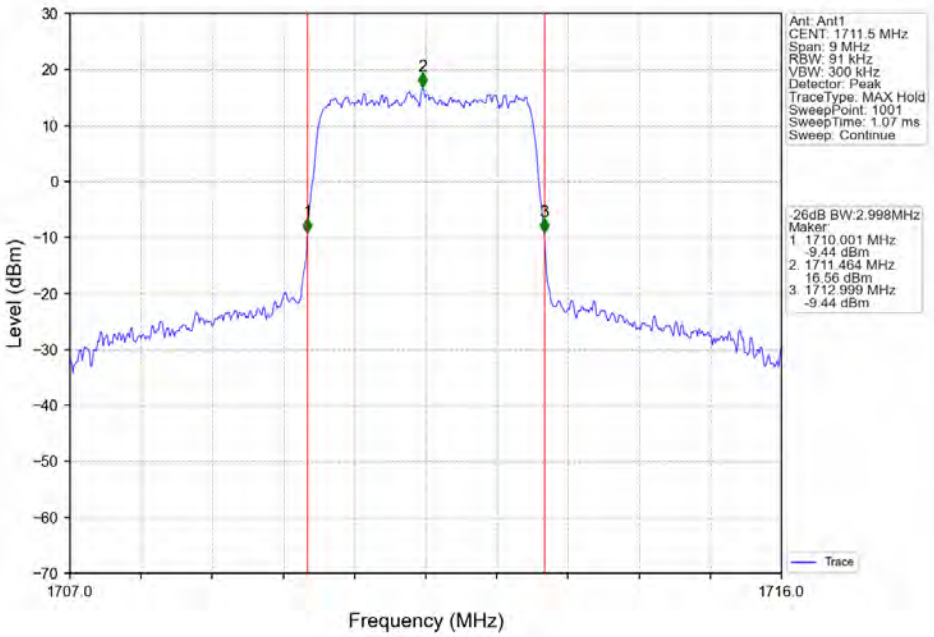
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



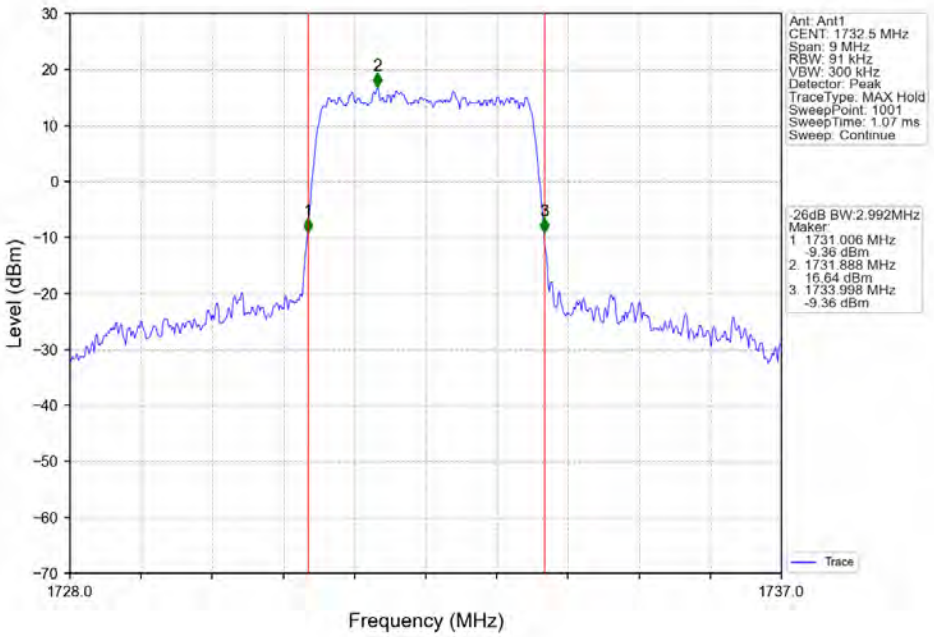
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



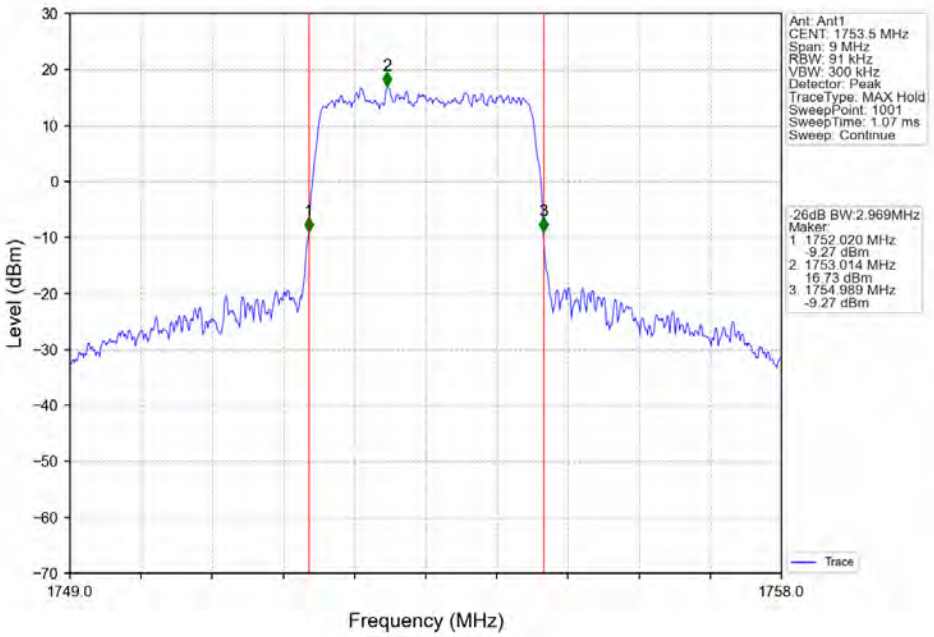
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



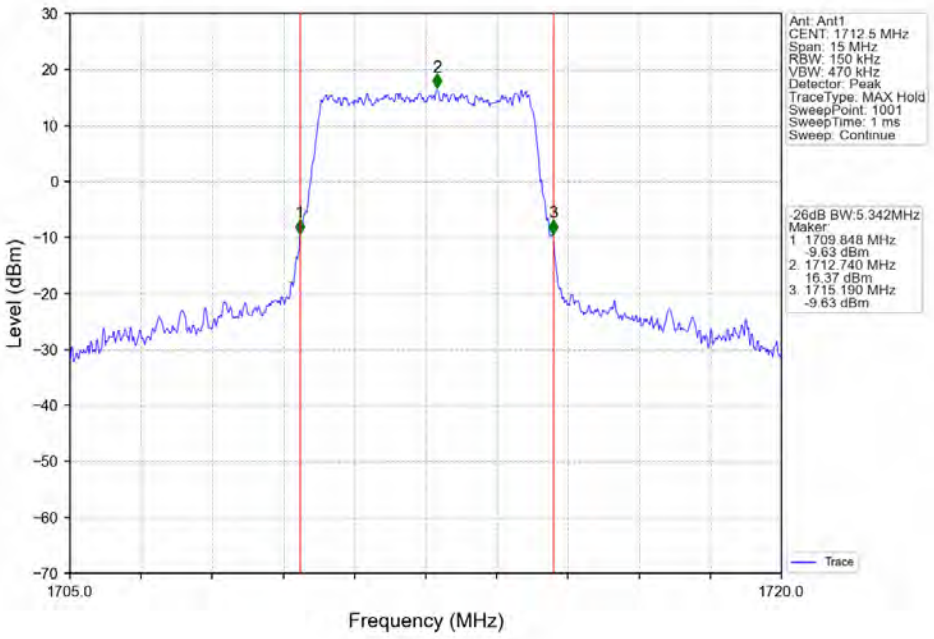
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



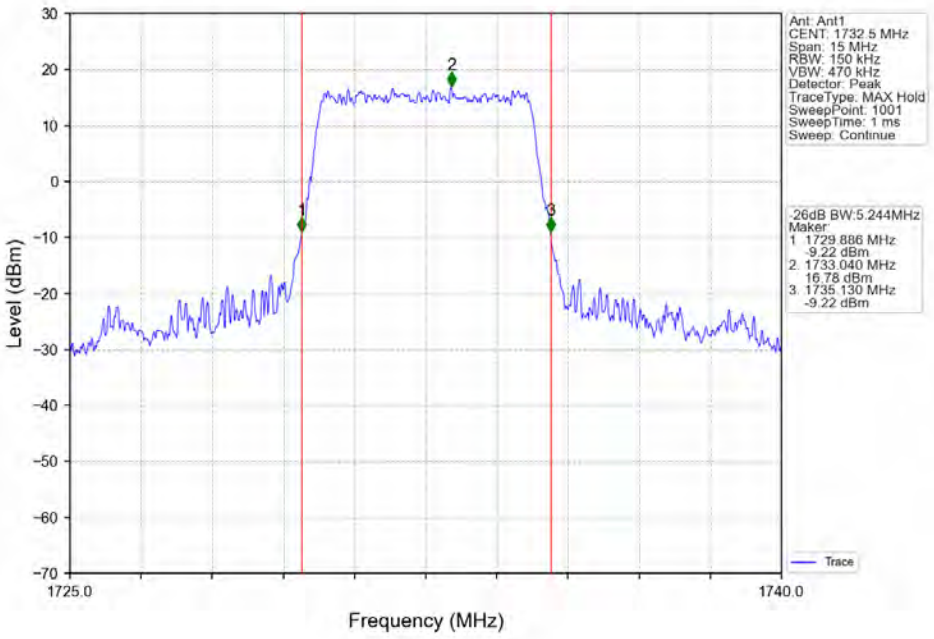
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



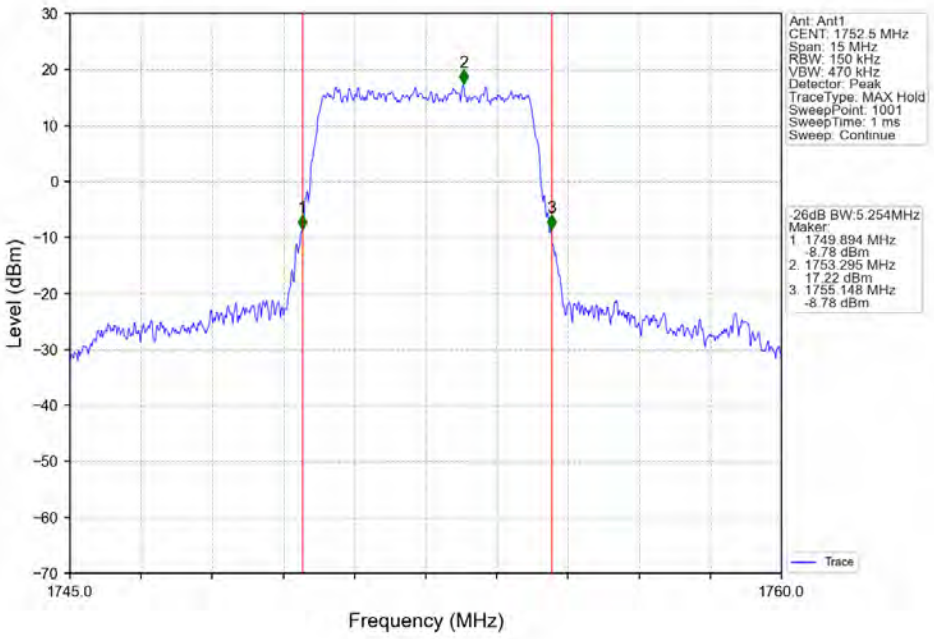
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



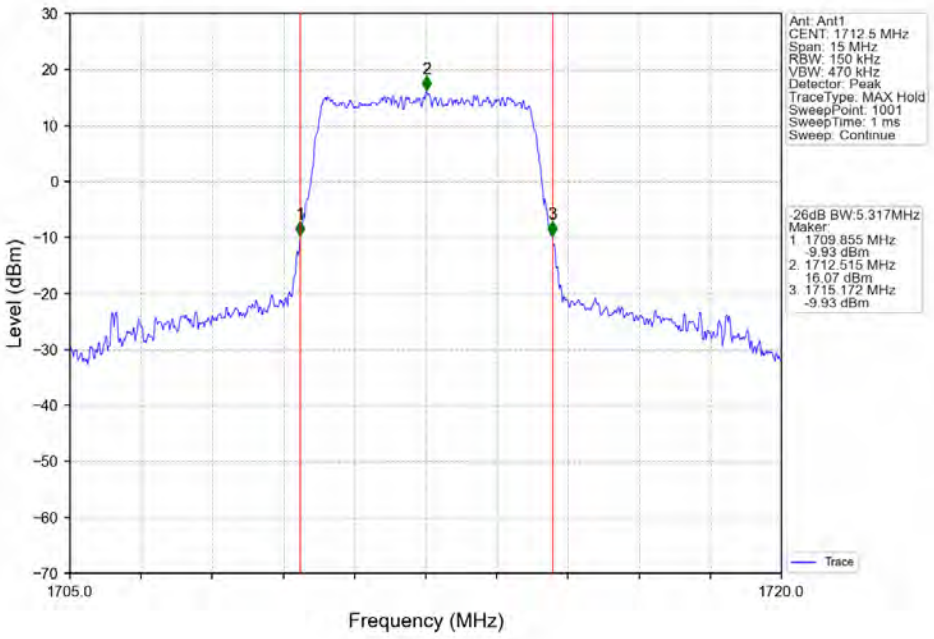
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



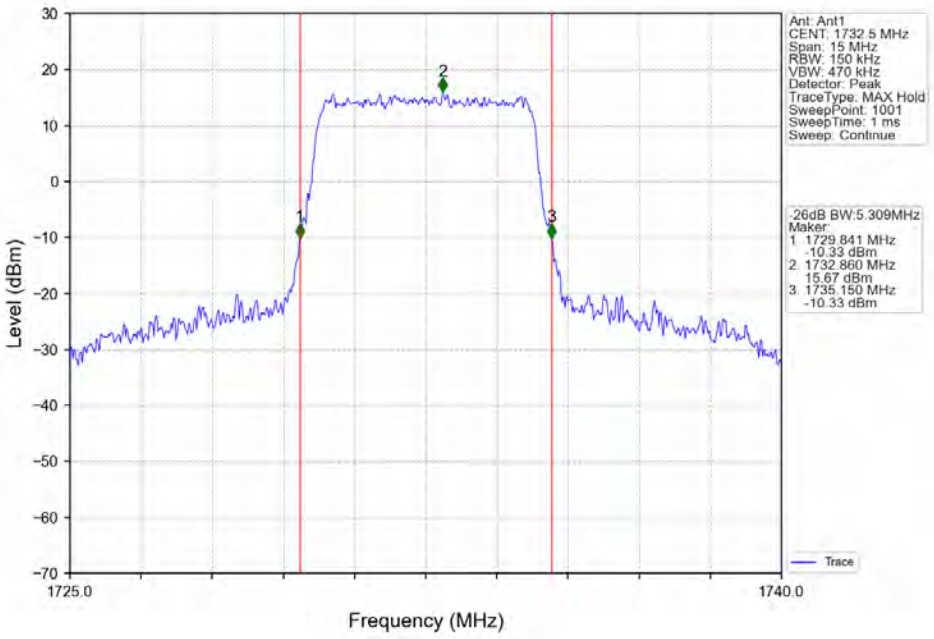
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



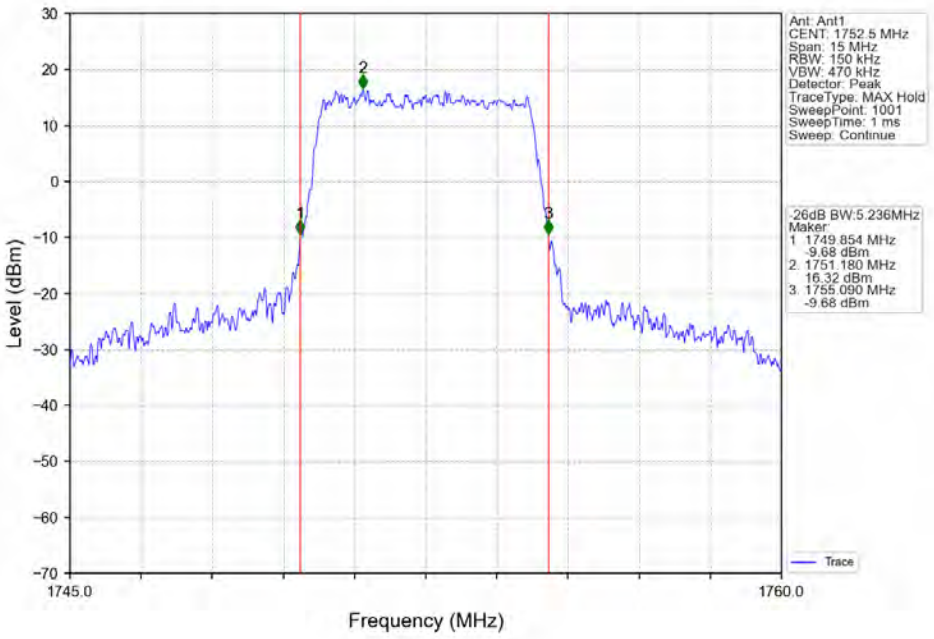
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



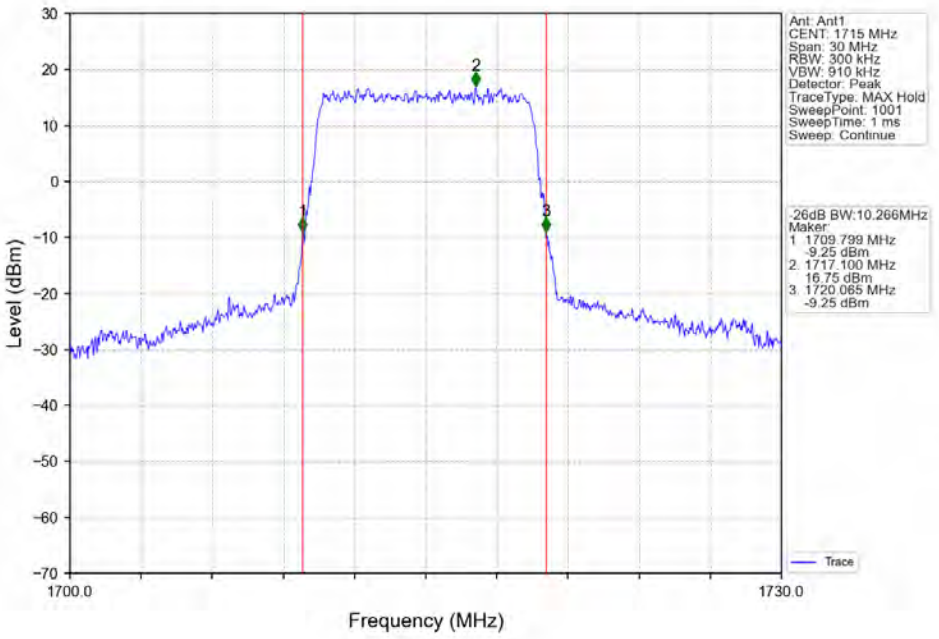
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



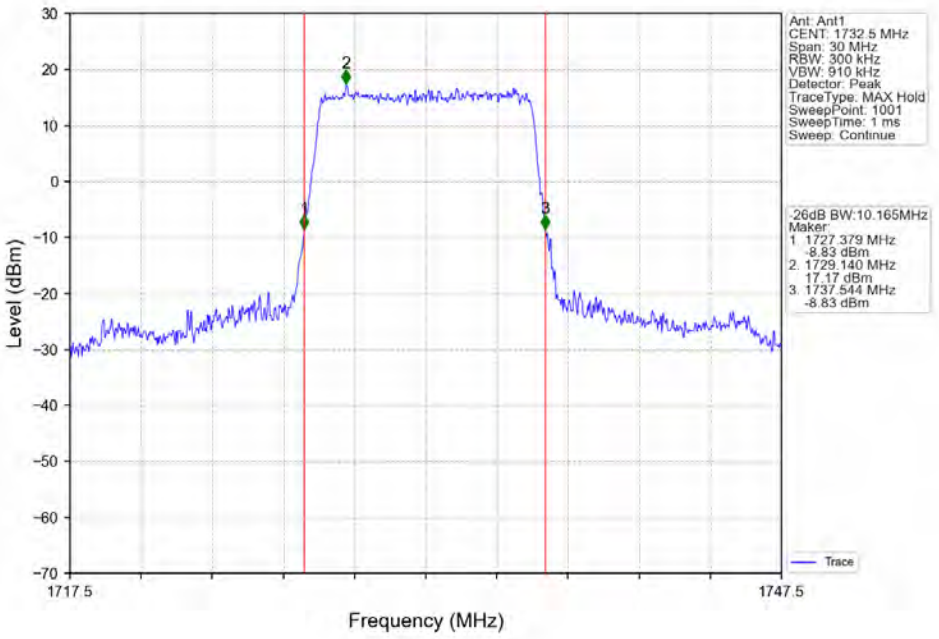
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



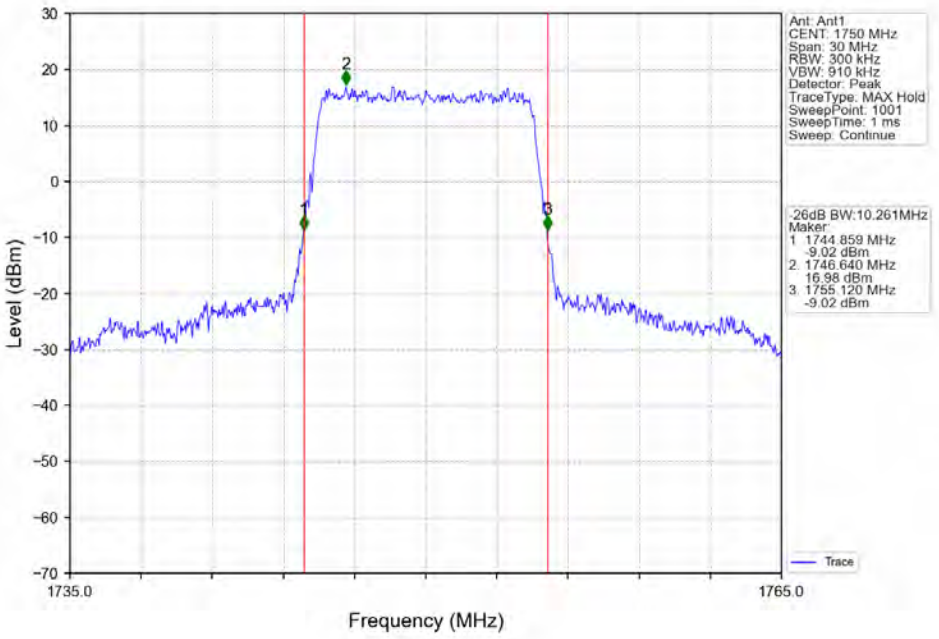
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



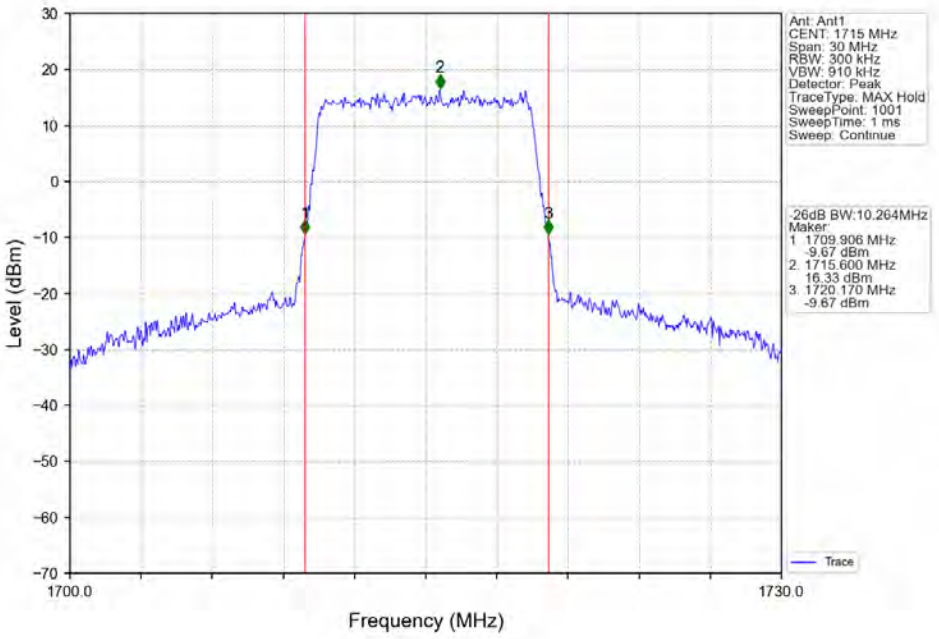
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



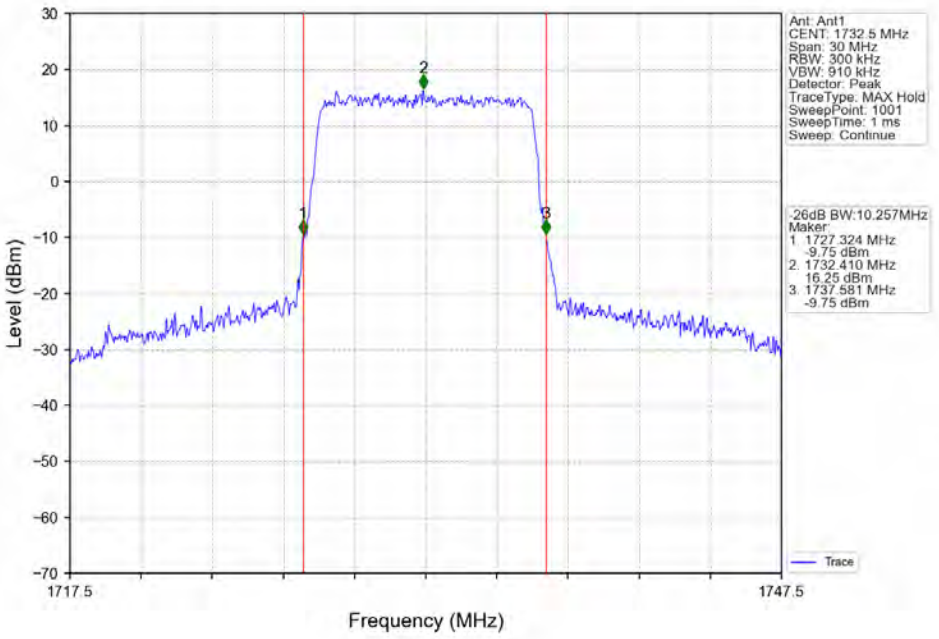
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



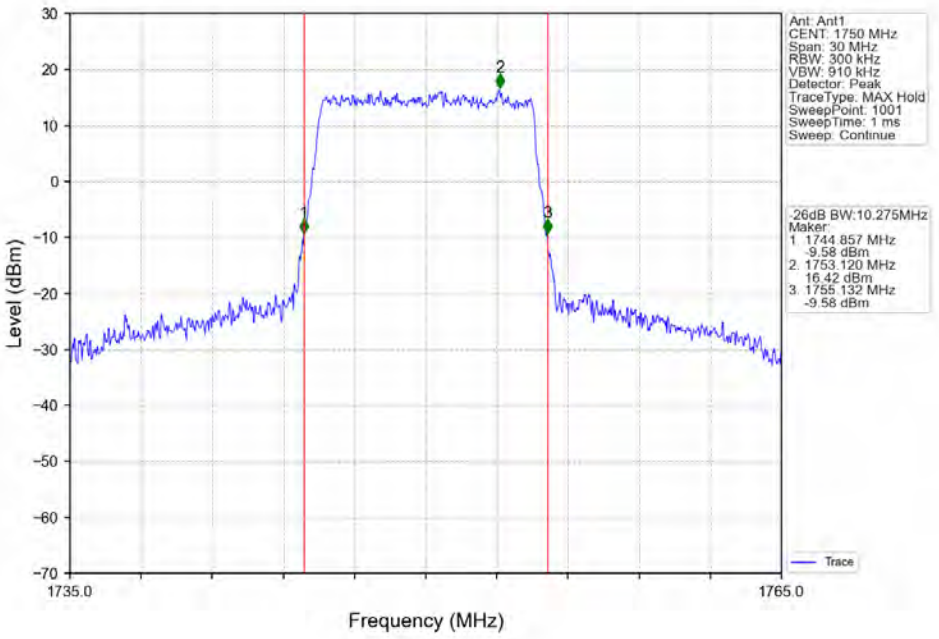
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



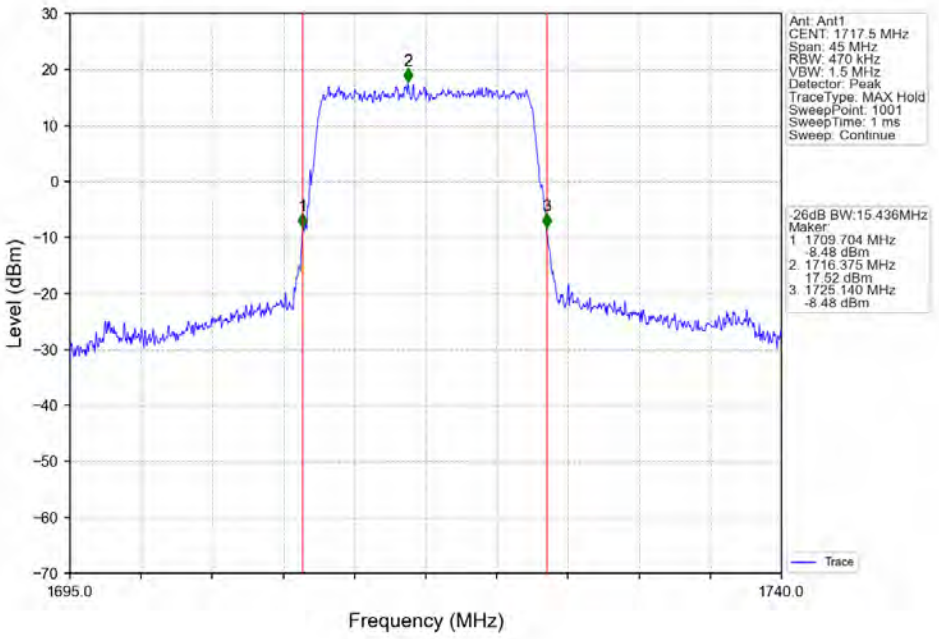
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



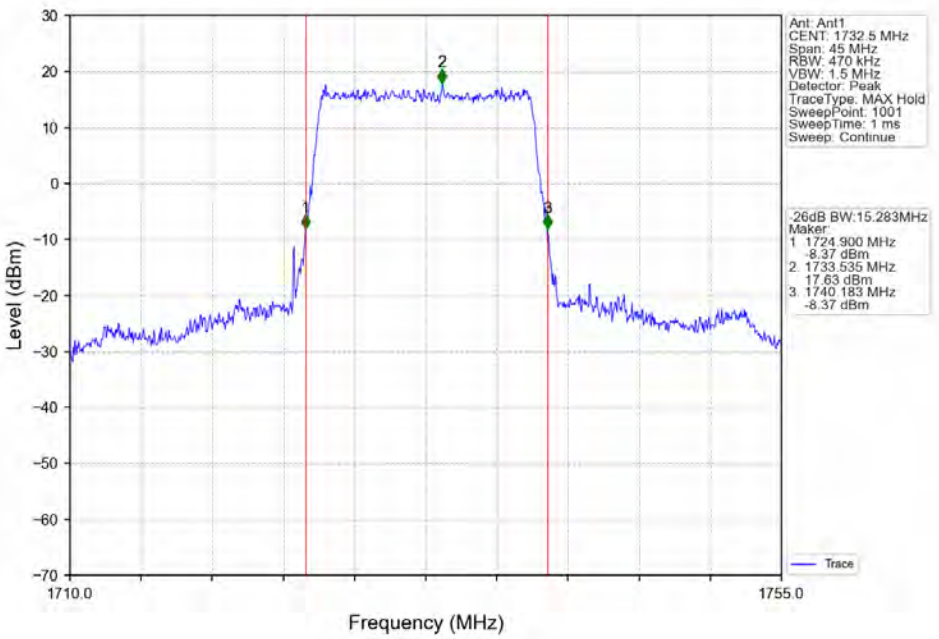
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



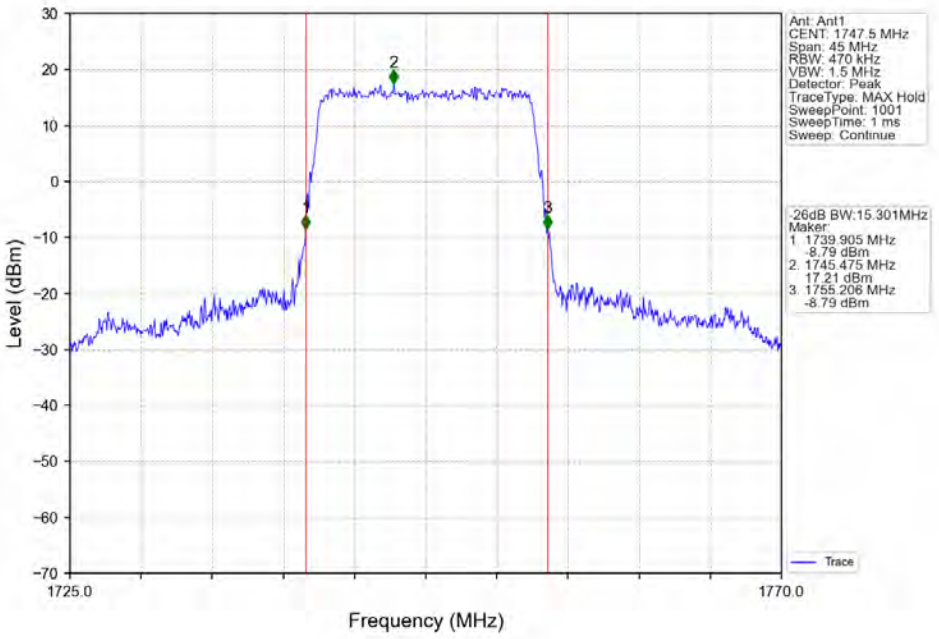
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



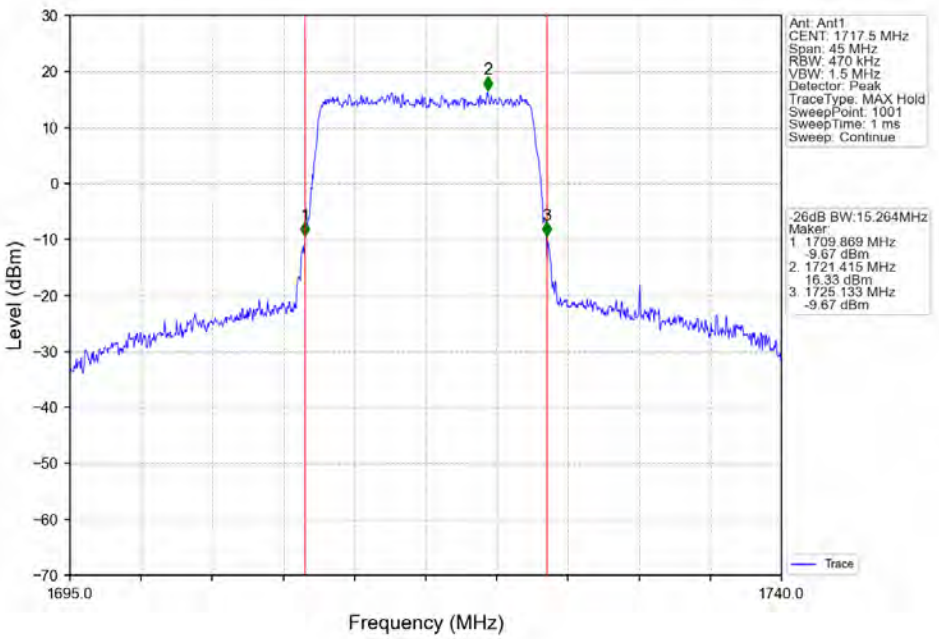
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



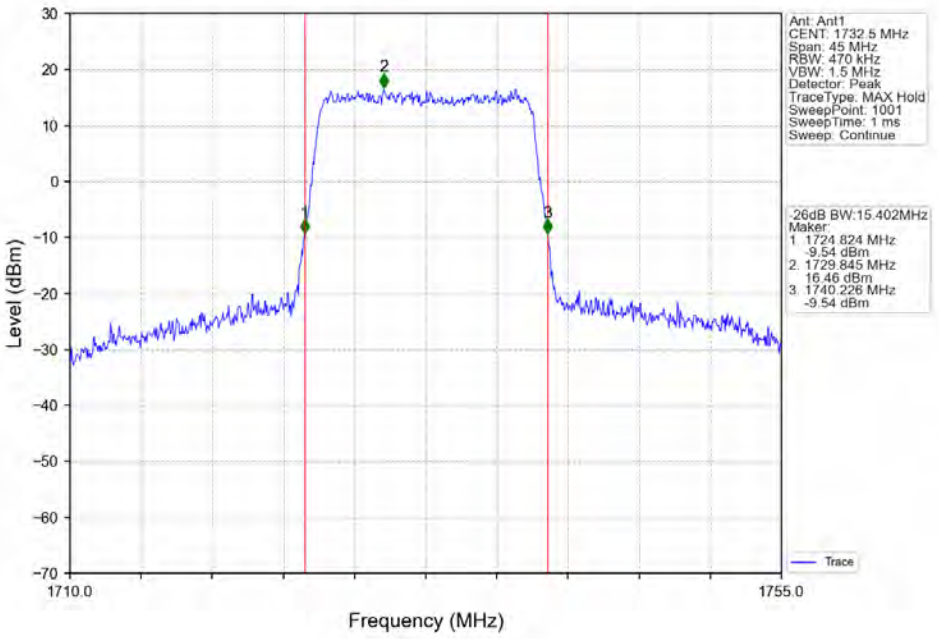
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



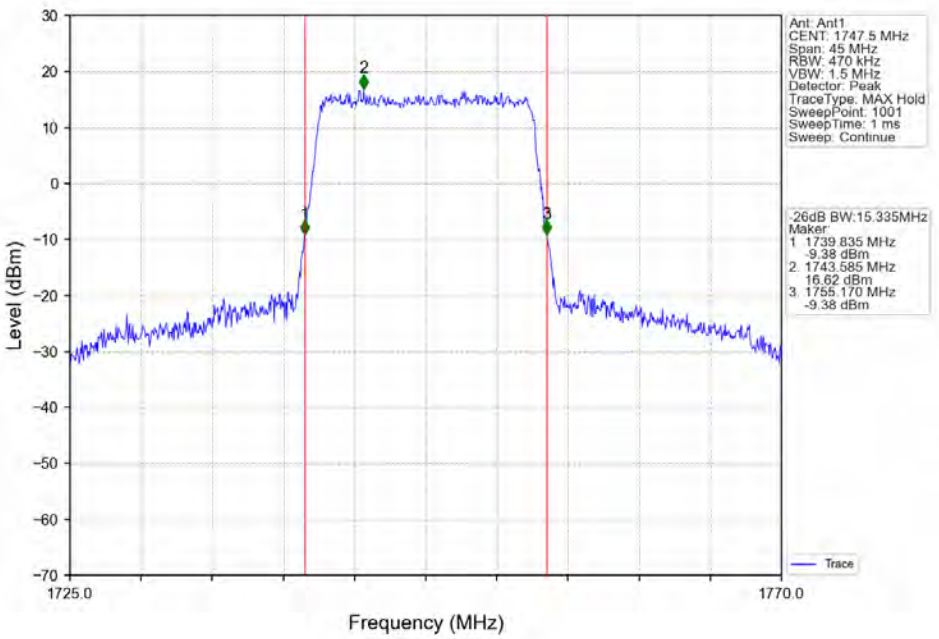
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



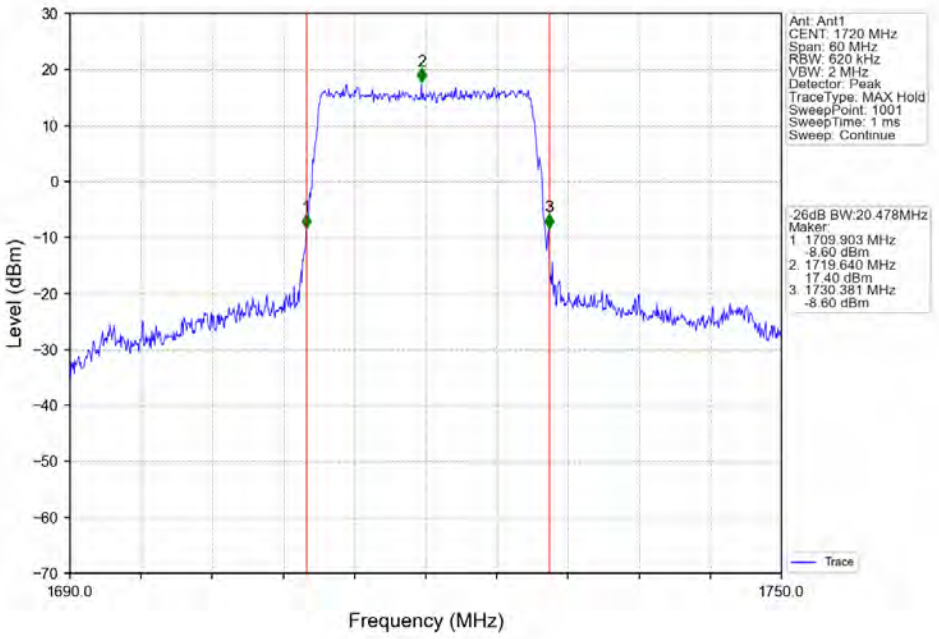
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



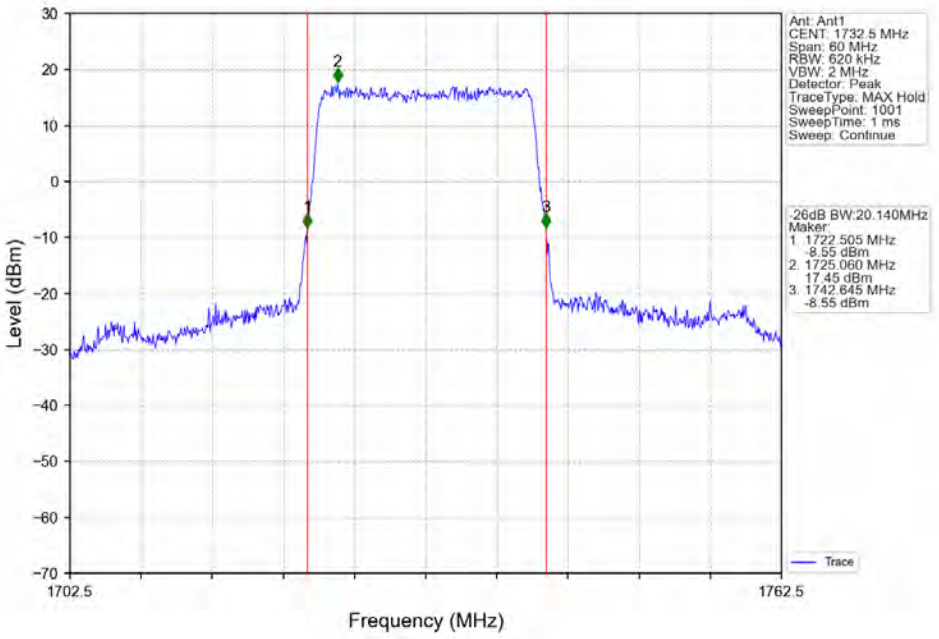
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



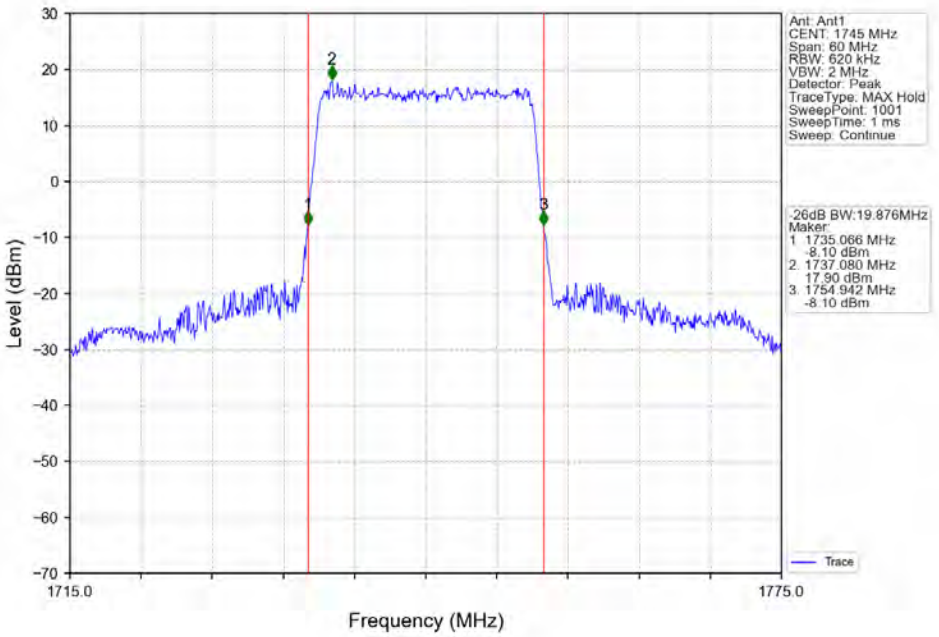
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



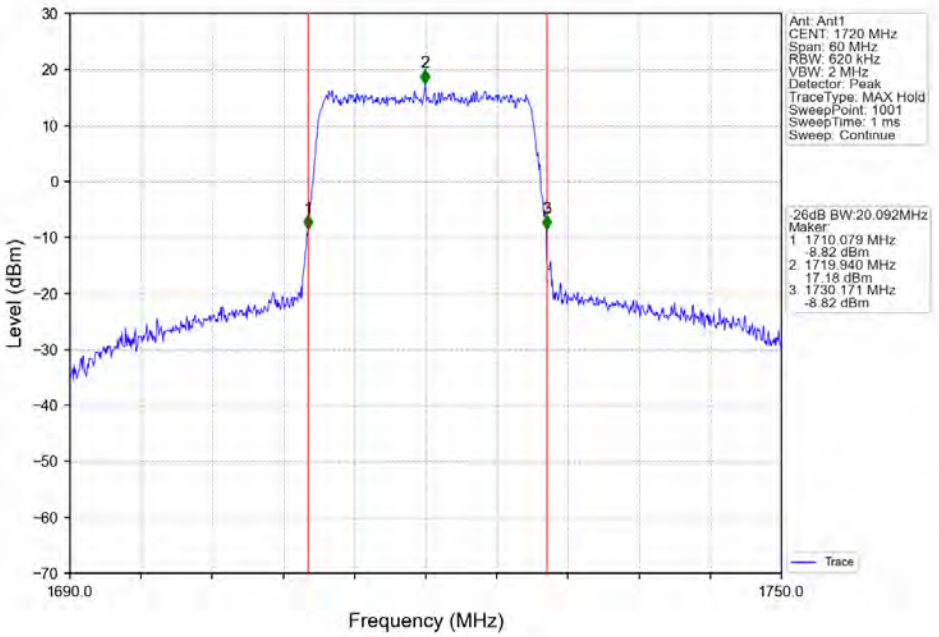
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



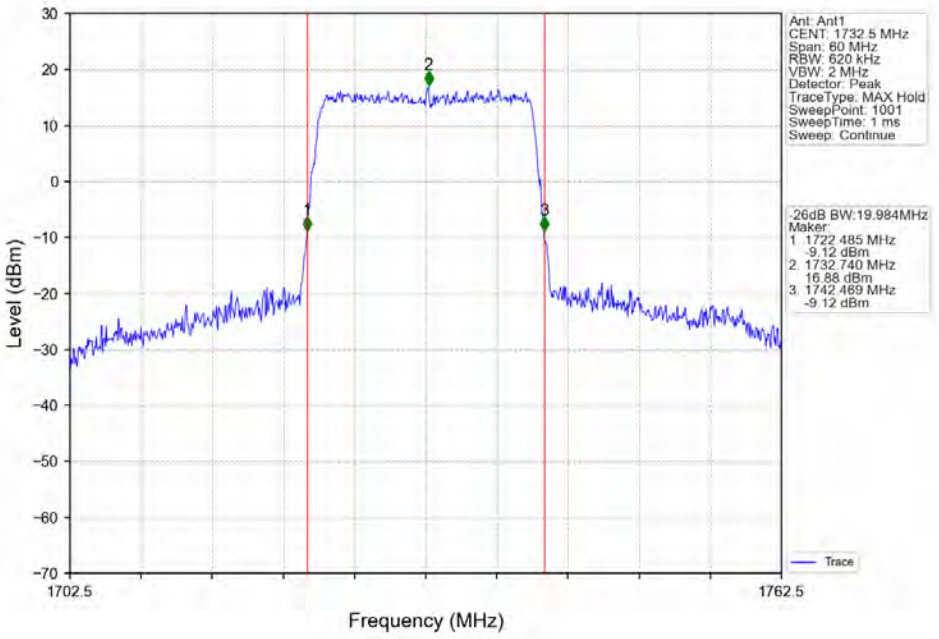
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



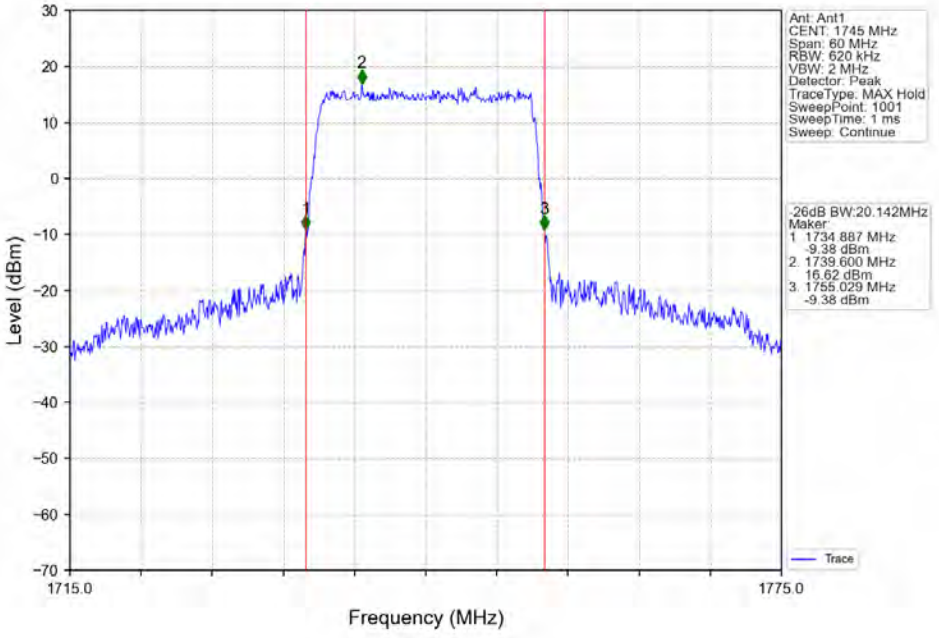
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Peak-Average Ratio

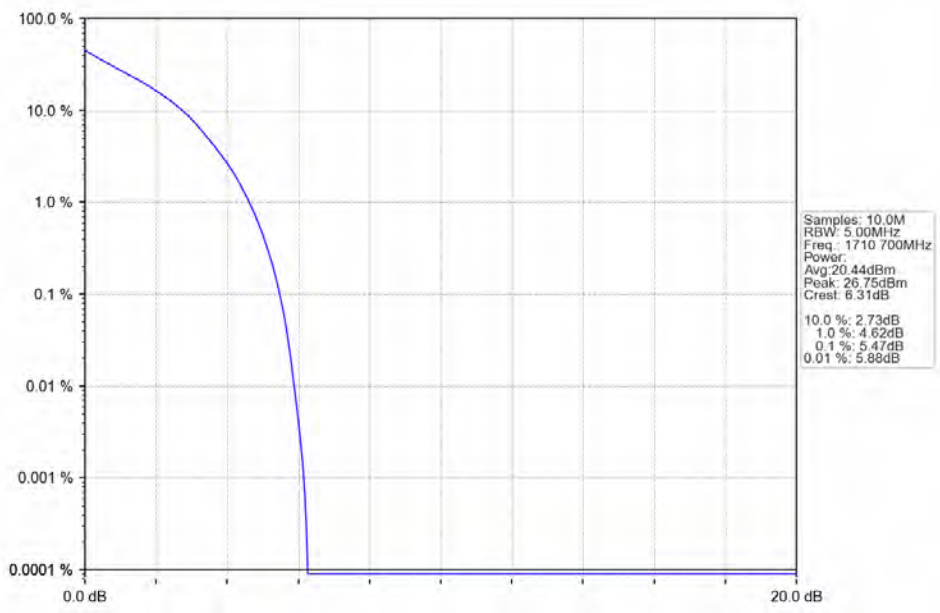
5.1 B4_1.4MHz

5.1.1 Test Result

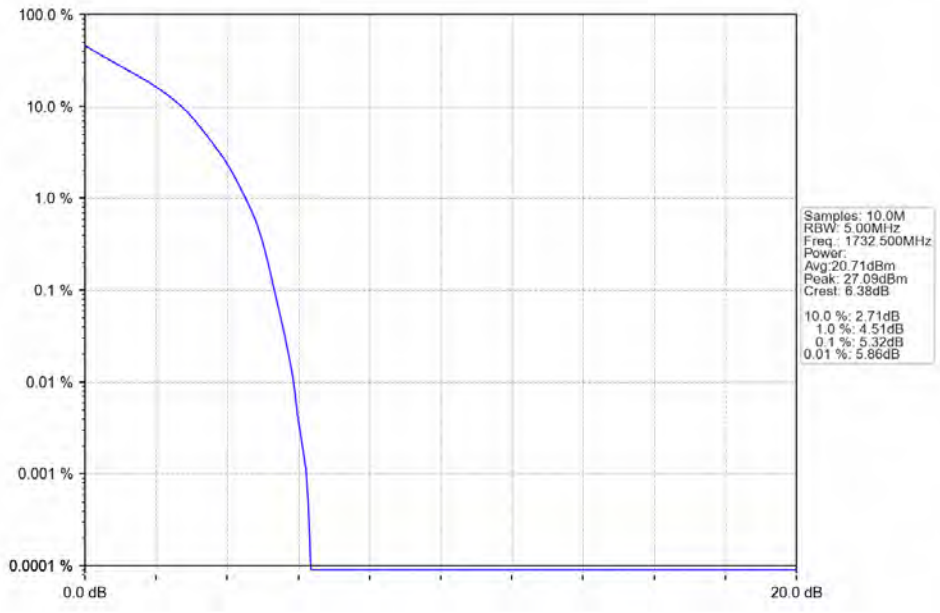
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.47	<=13	Pass
	1732.5	6	0	5.32	<=13	Pass
	1754.3	6	0	5.17	<=13	Pass
16QAM	1710.7	6	0	6.29	<=13	Pass
	1732.5	6	0	6.18	<=13	Pass
	1754.3	6	0	5.98	<=13	Pass

5.1.2 Test Graph

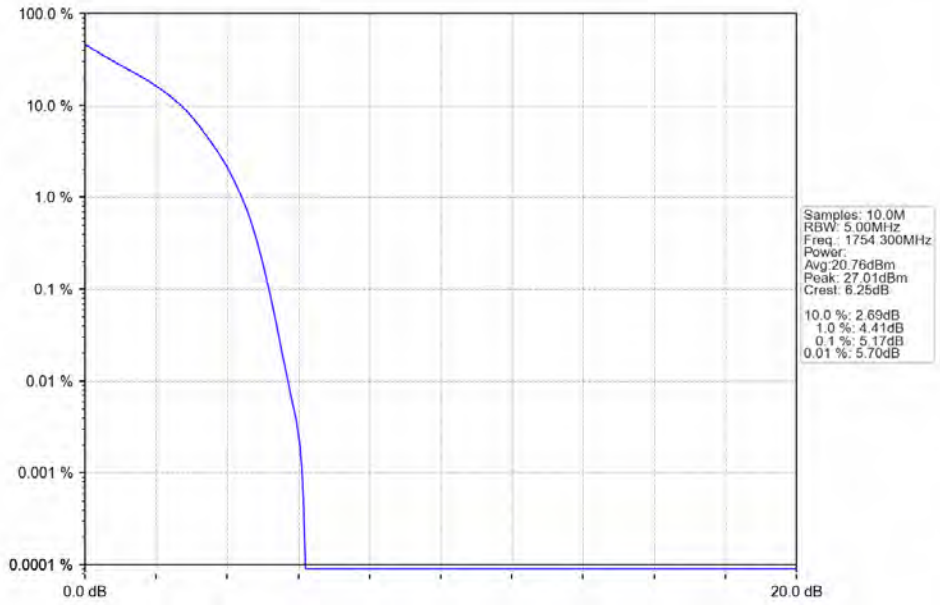
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



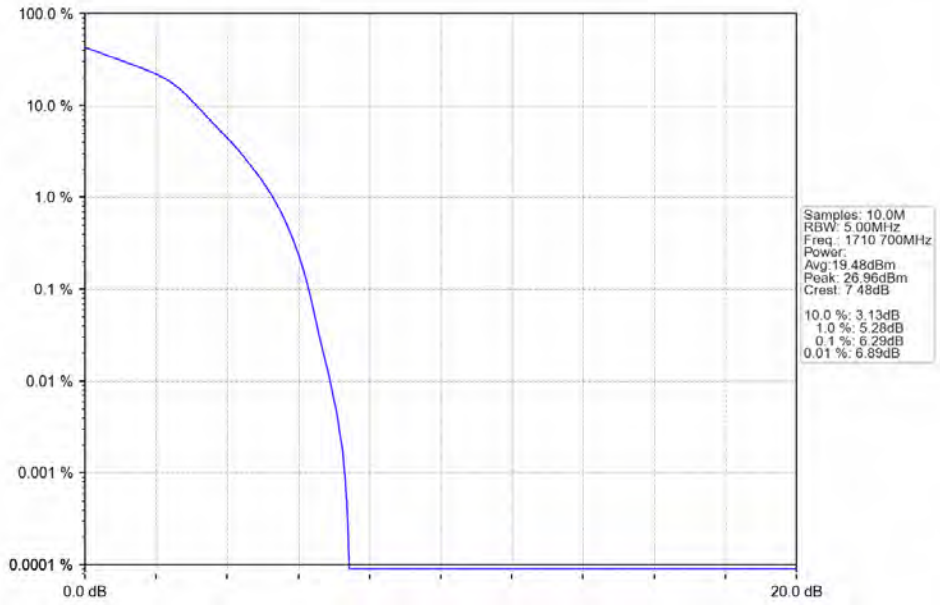
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



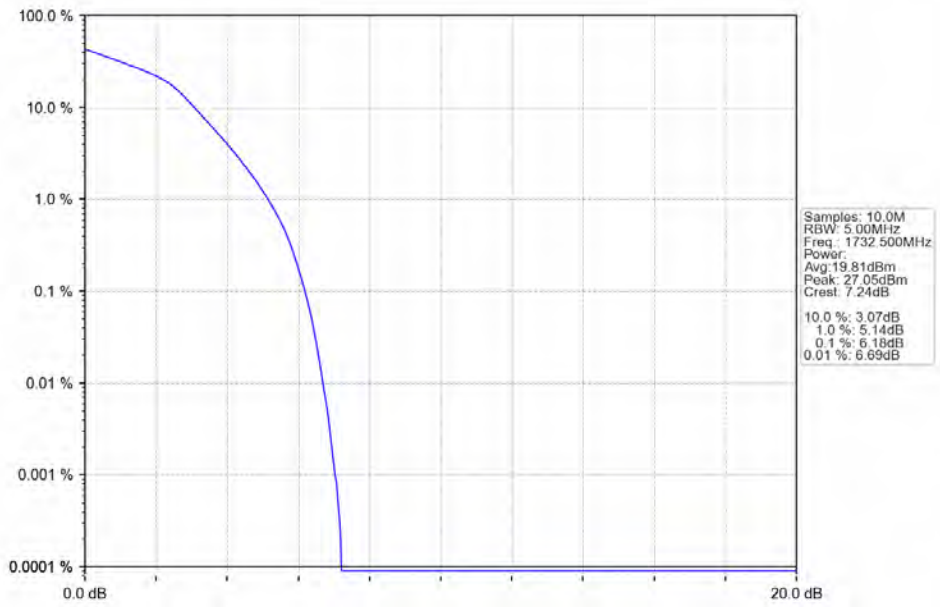
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



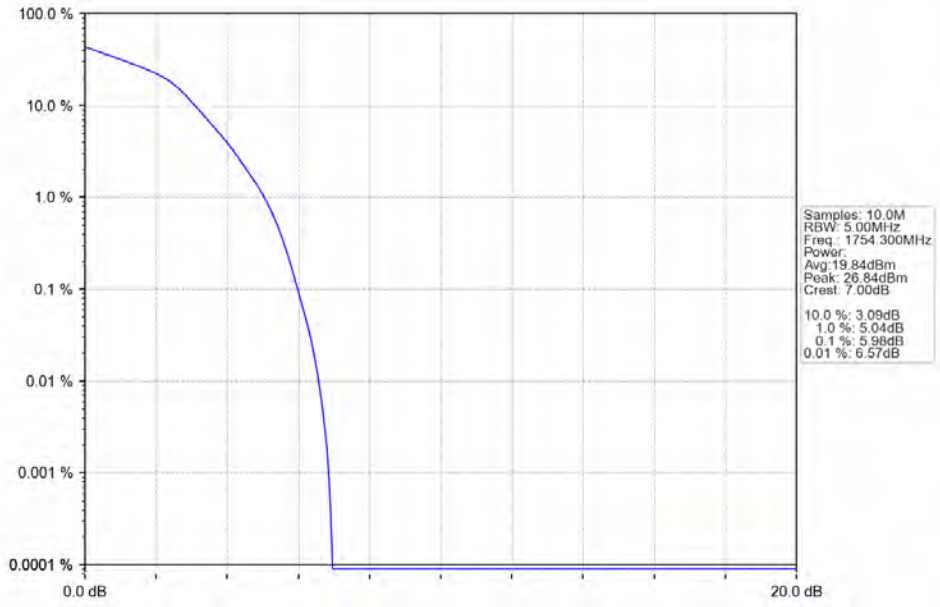
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



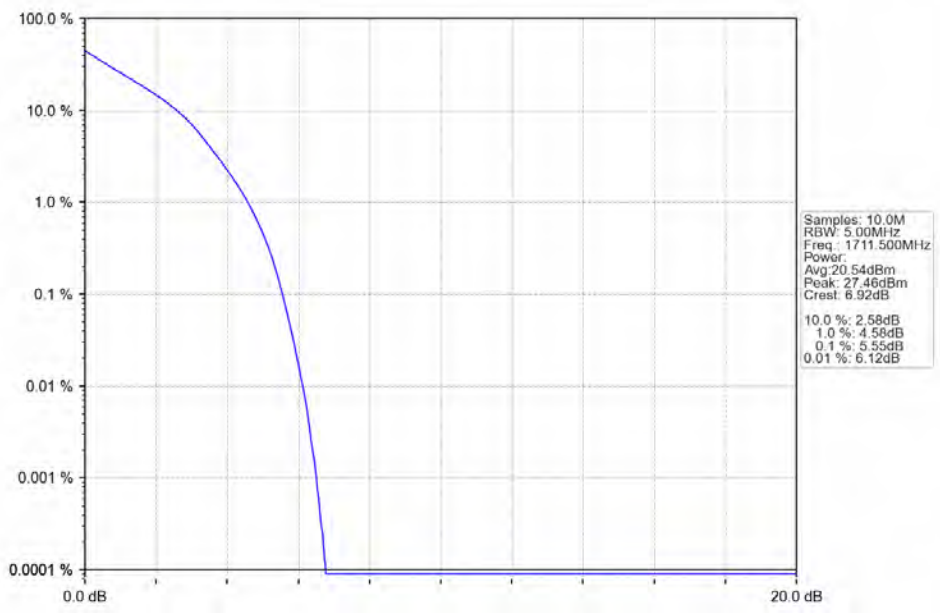
5.2 B4_3MHz

5.2.1 Test Result

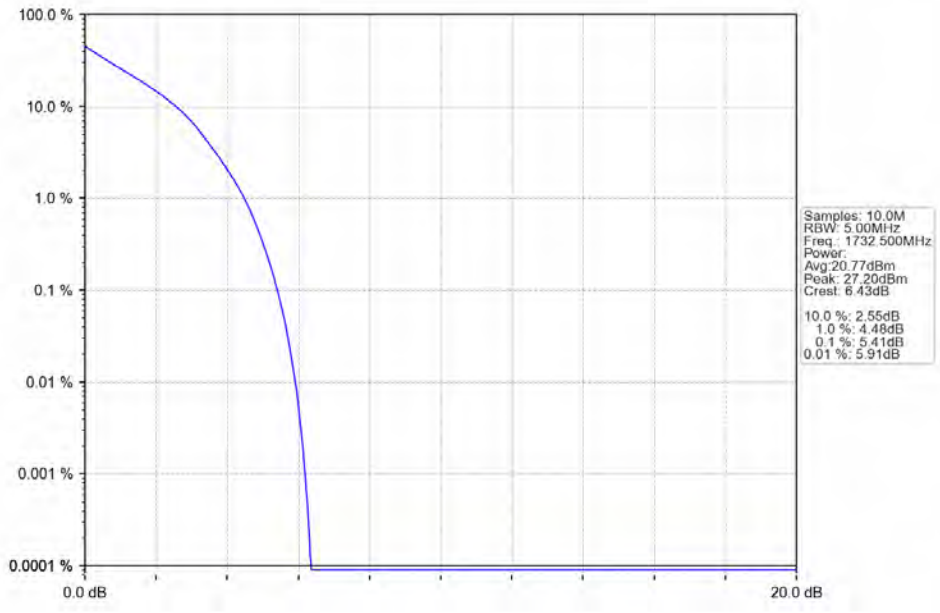
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.55	<=13	Pass
	1732.5	15	0	5.41	<=13	Pass
	1753.5	15	0	5.26	<=13	Pass
16QAM	1711.5	15	0	6.50	<=13	Pass
	1732.5	15	0	6.27	<=13	Pass
	1753.5	15	0	6.07	<=13	Pass

5.2.2 Test Graph

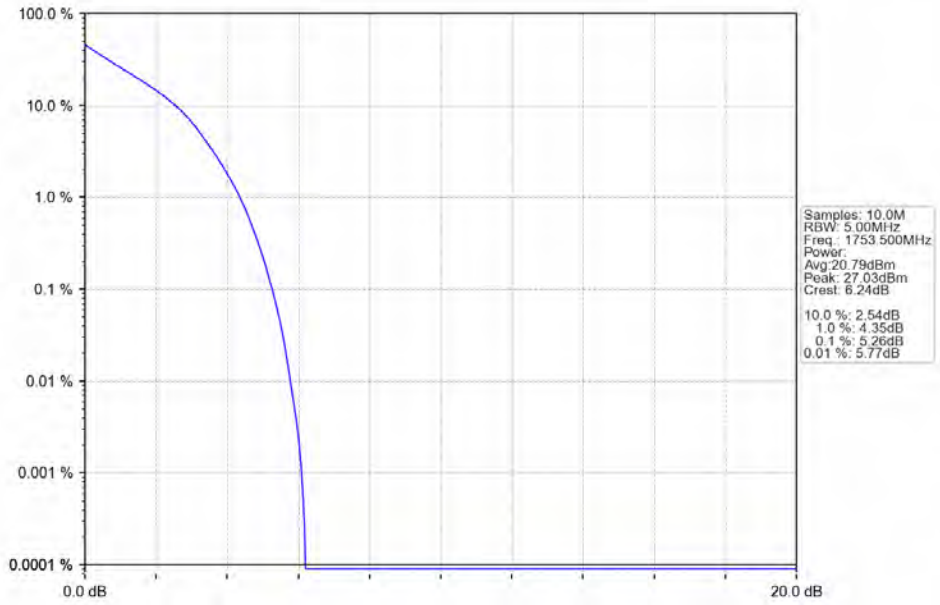
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



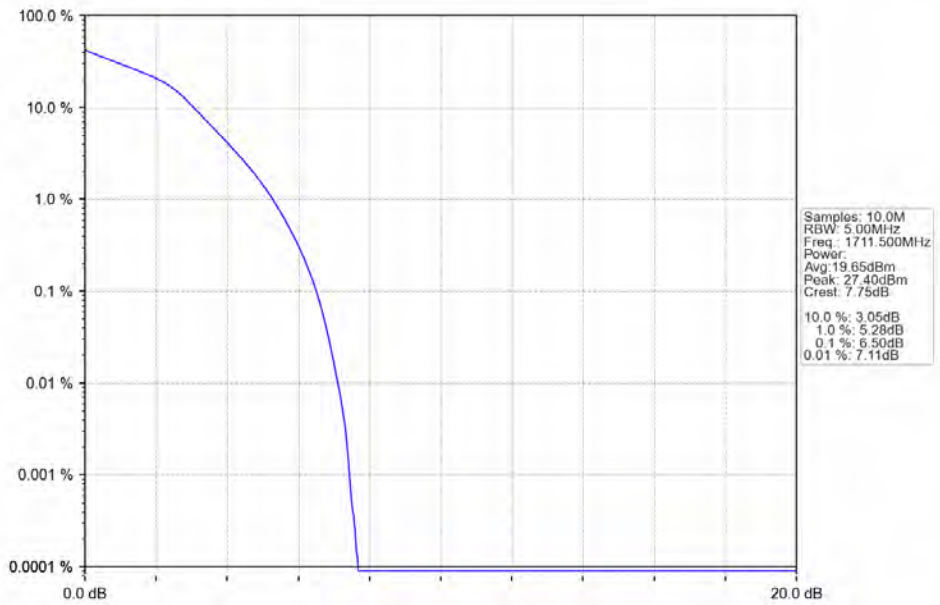
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



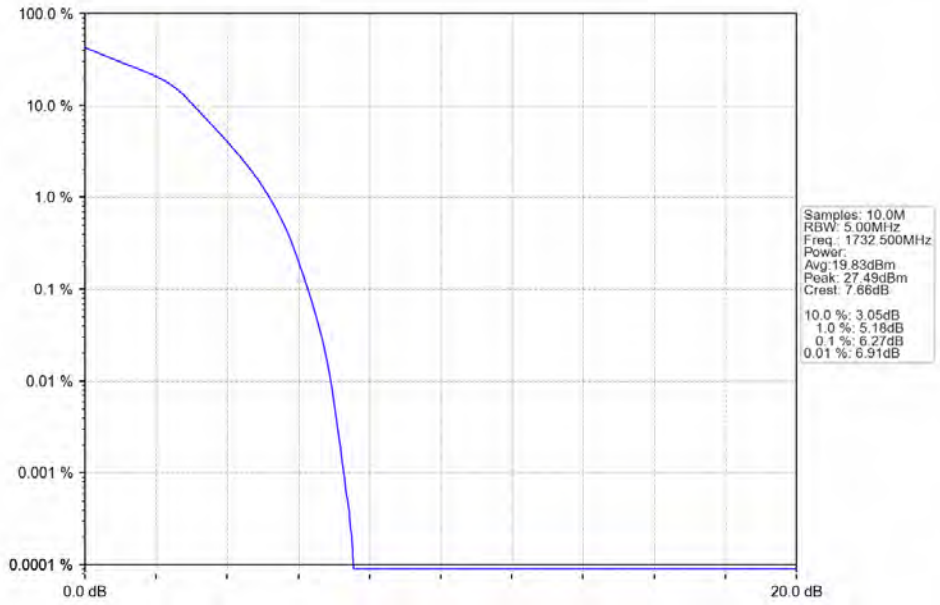
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



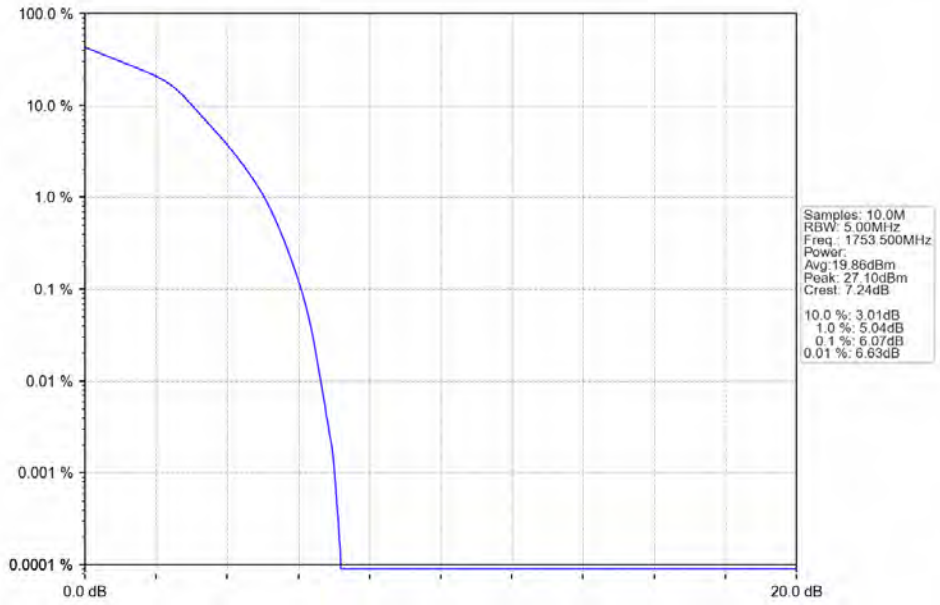
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



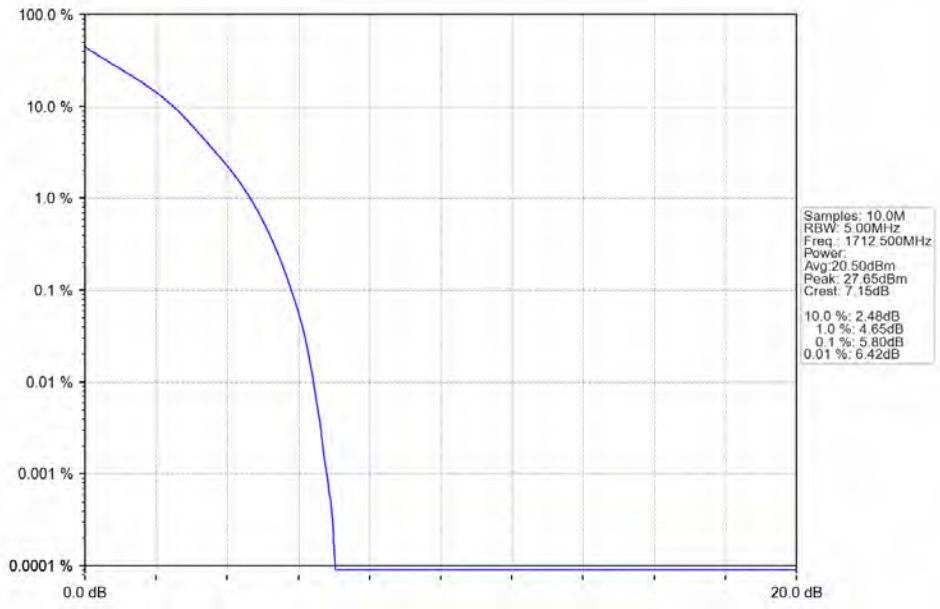
5.3 B4_5MHz

5.3.1 Test Result

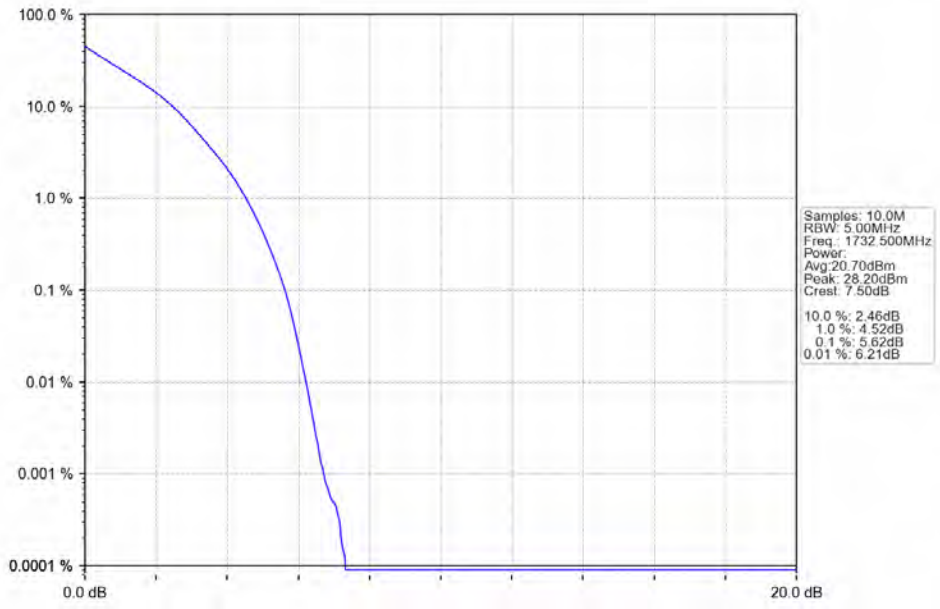
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.80	<=13	Pass
	1732.5	25	0	5.62	<=13	Pass
	1752.5	25	0	5.46	<=13	Pass
16QAM	1712.5	25	0	6.55	<=13	Pass
	1732.5	25	0	6.34	<=13	Pass
	1752.5	25	0	6.17	<=13	Pass

5.3.2 Test Graph

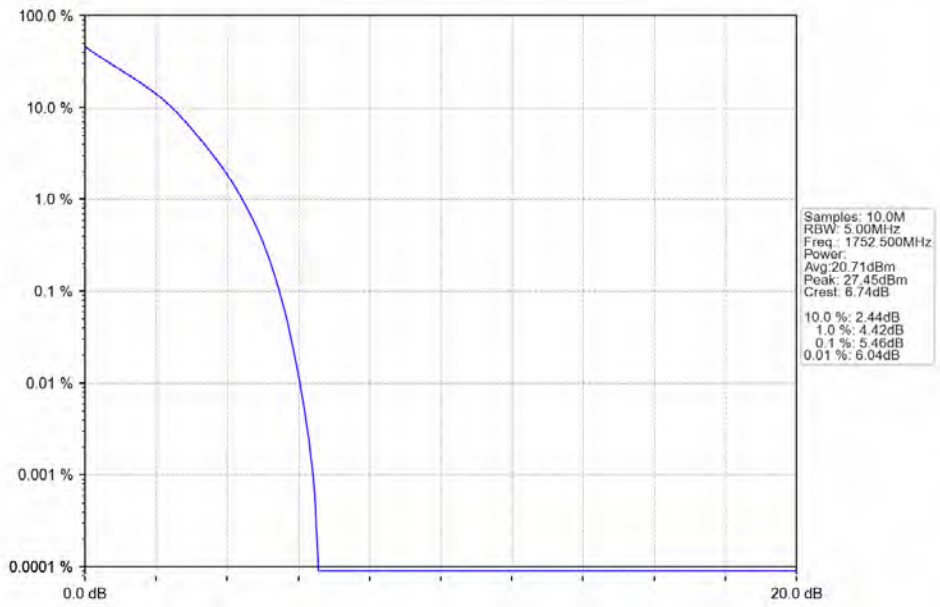
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



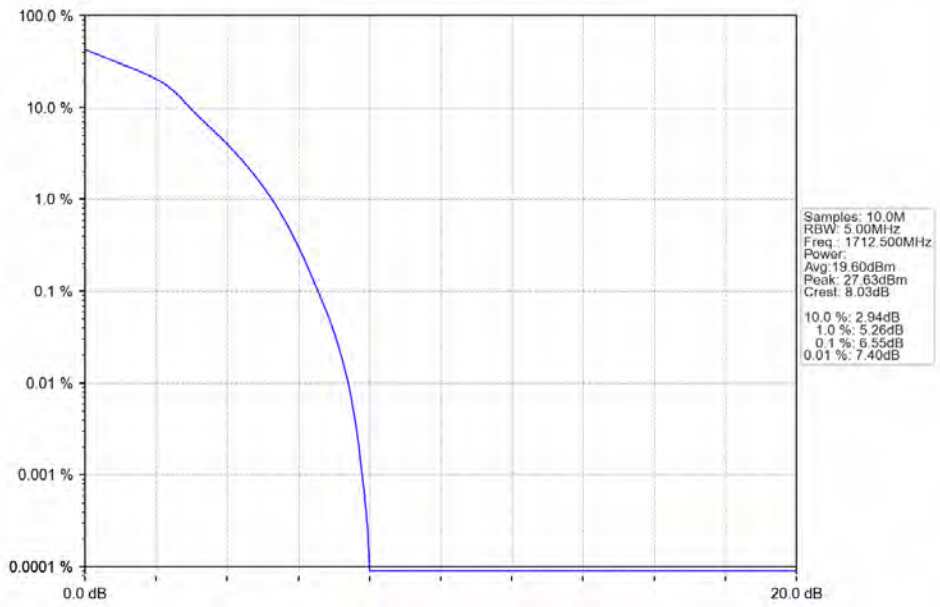
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



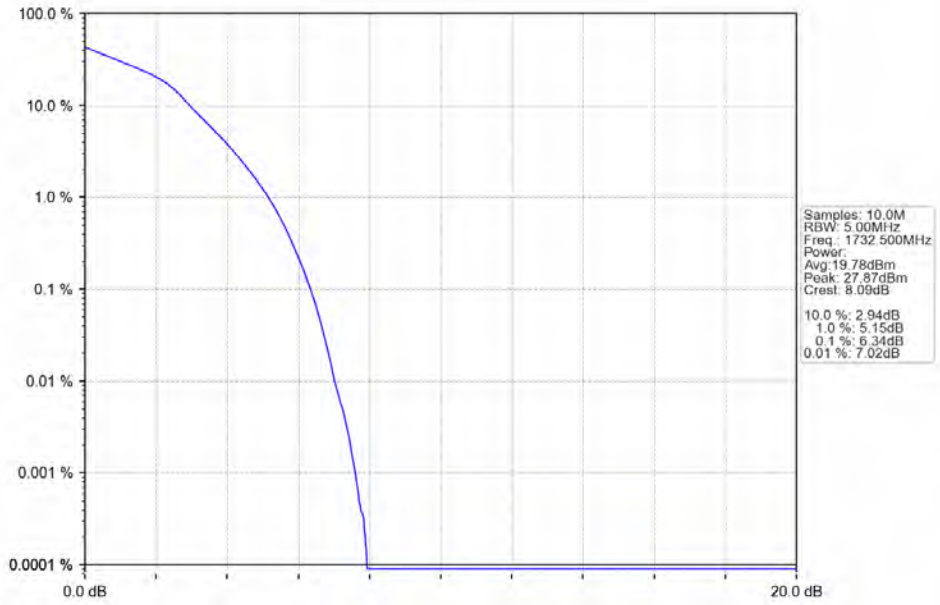
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



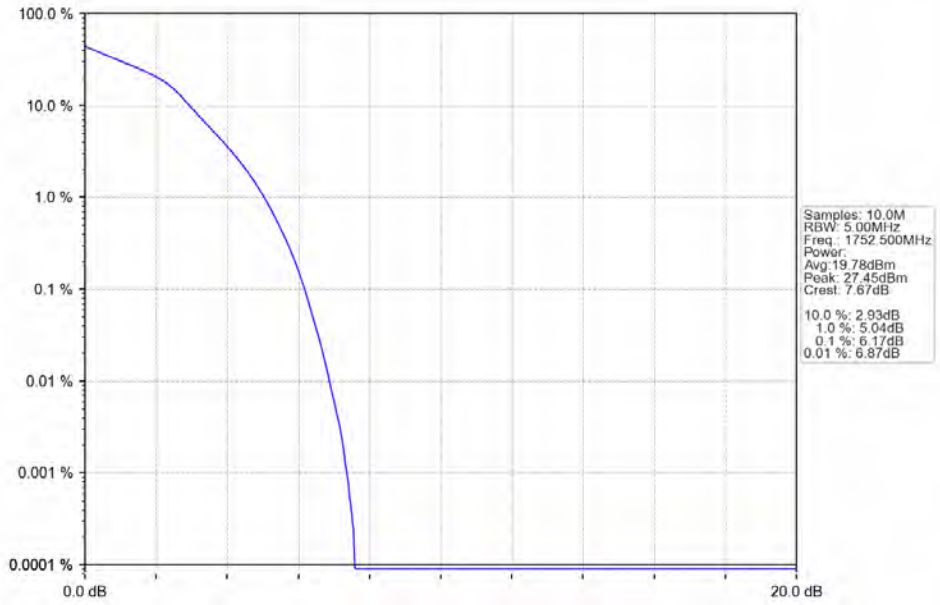
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



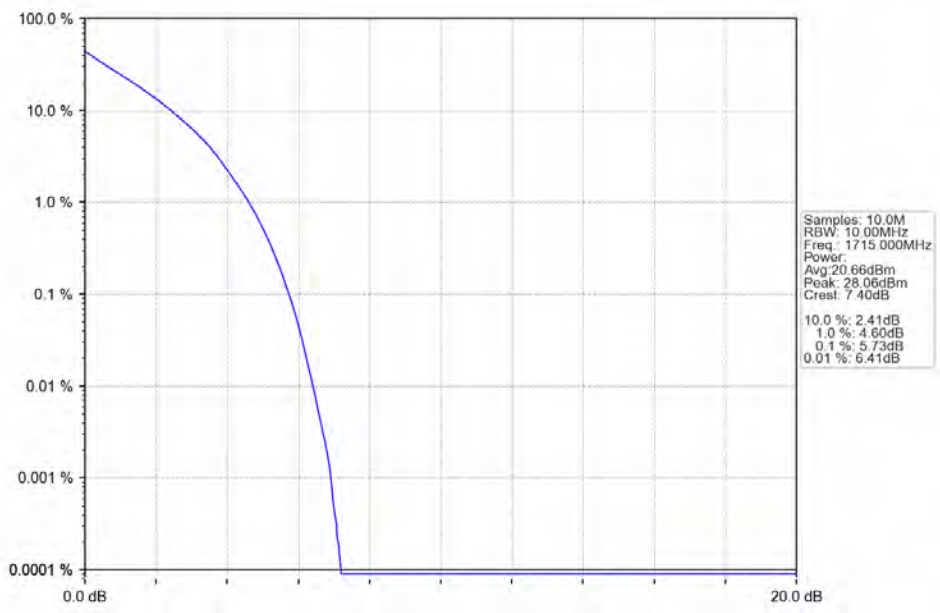
5.4 B4_10MHz

5.4.1 Test Result

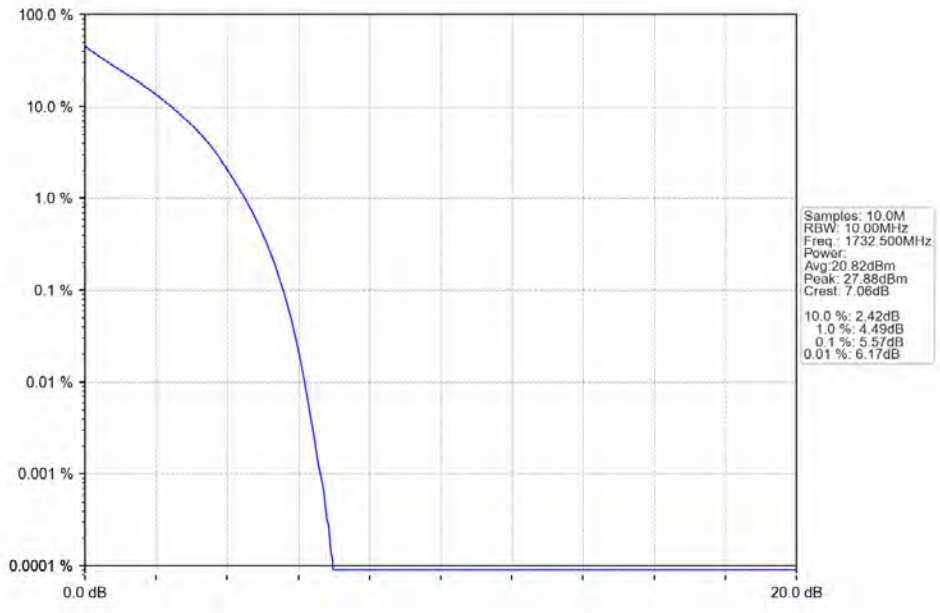
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.73	<=13	Pass
	1732.5	50	0	5.57	<=13	Pass
	1750	50	0	5.42	<=13	Pass
16QAM	1715	50	0	6.52	<=13	Pass
	1732.5	50	0	6.44	<=13	Pass
	1750	50	0	6.16	<=13	Pass

5.4.2 Test Graph

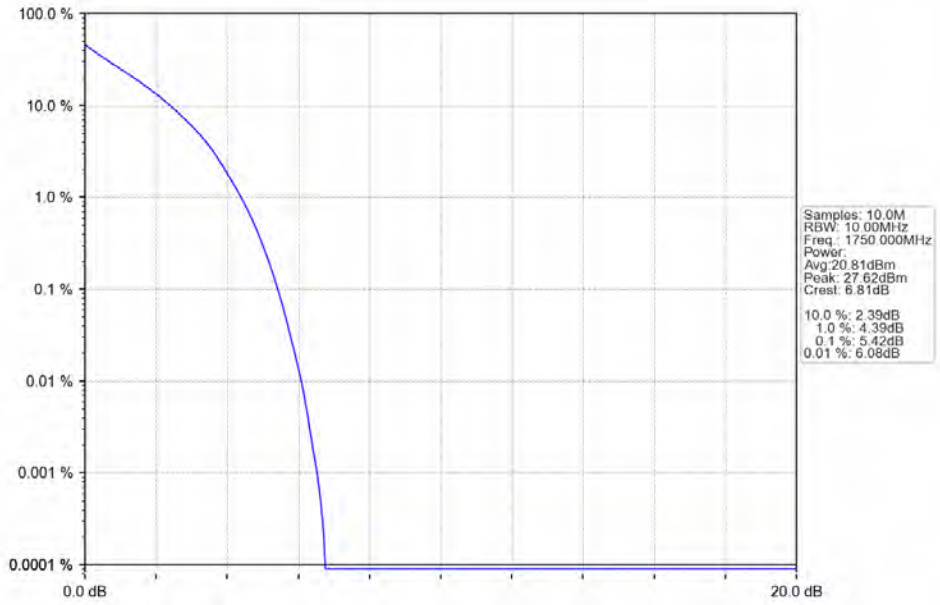
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



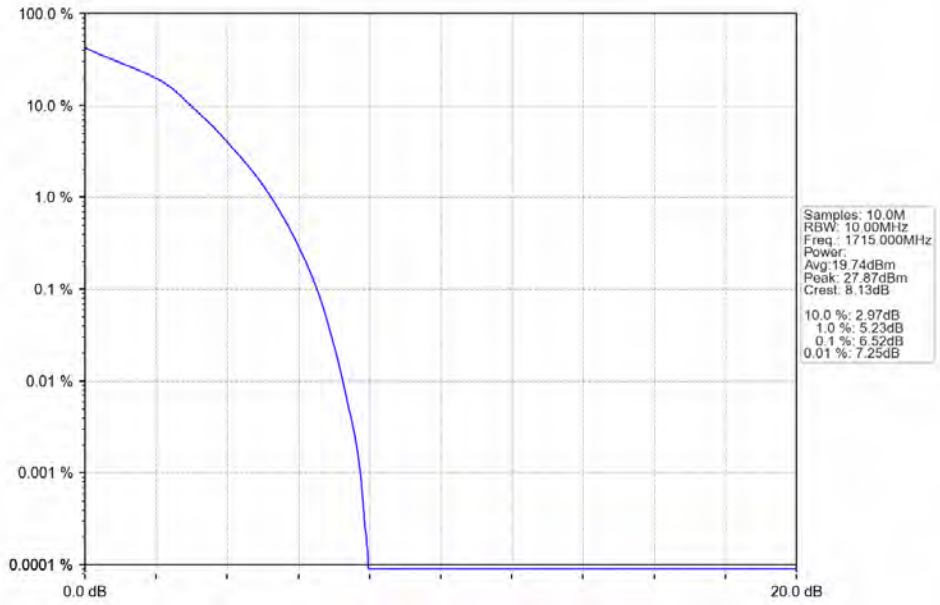
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



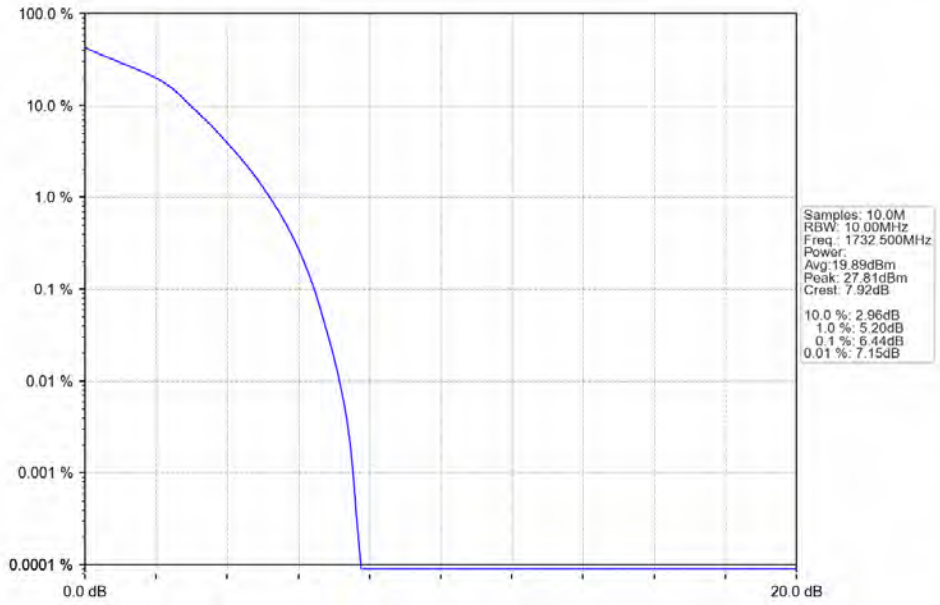
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



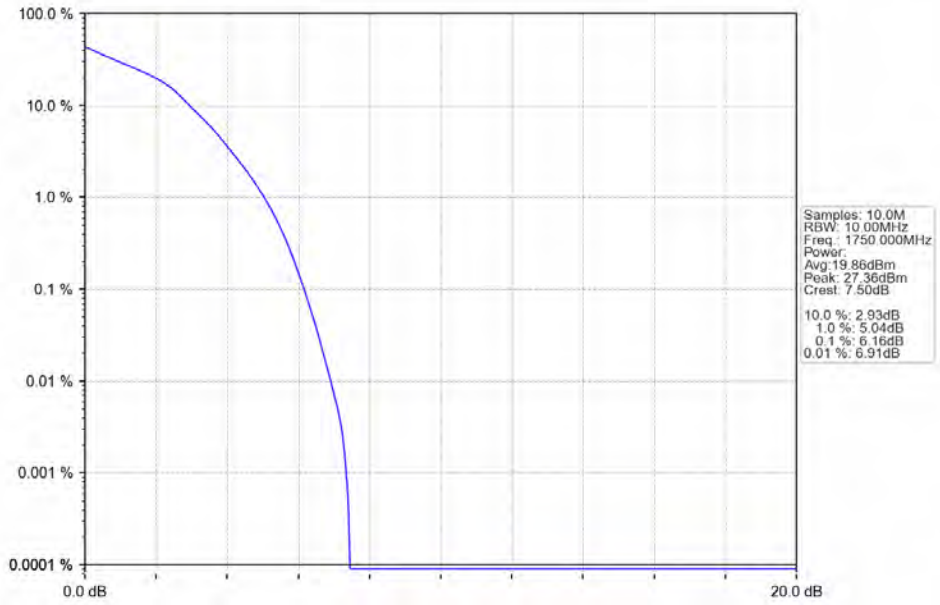
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



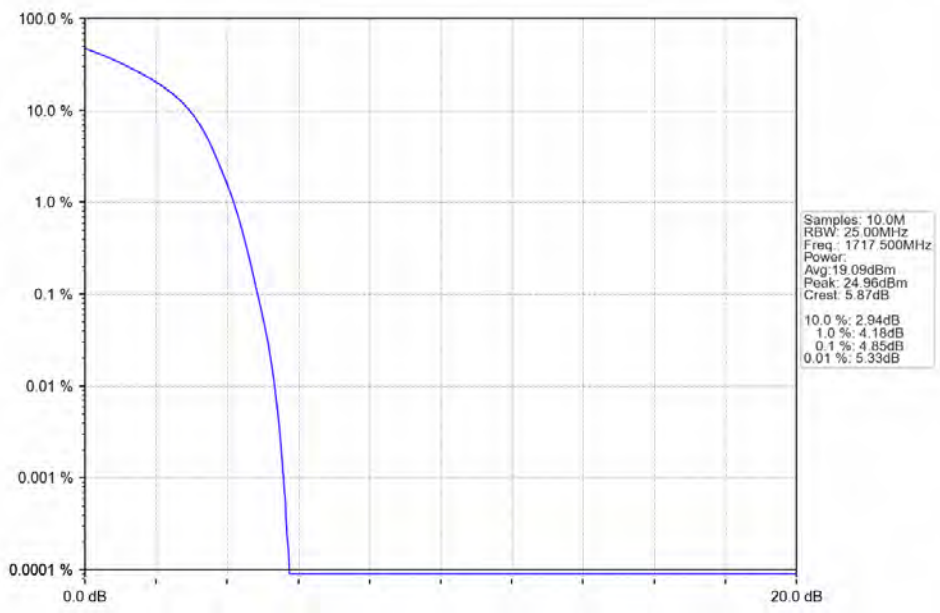
5.5 B4_15MHz

5.5.1 Test Result

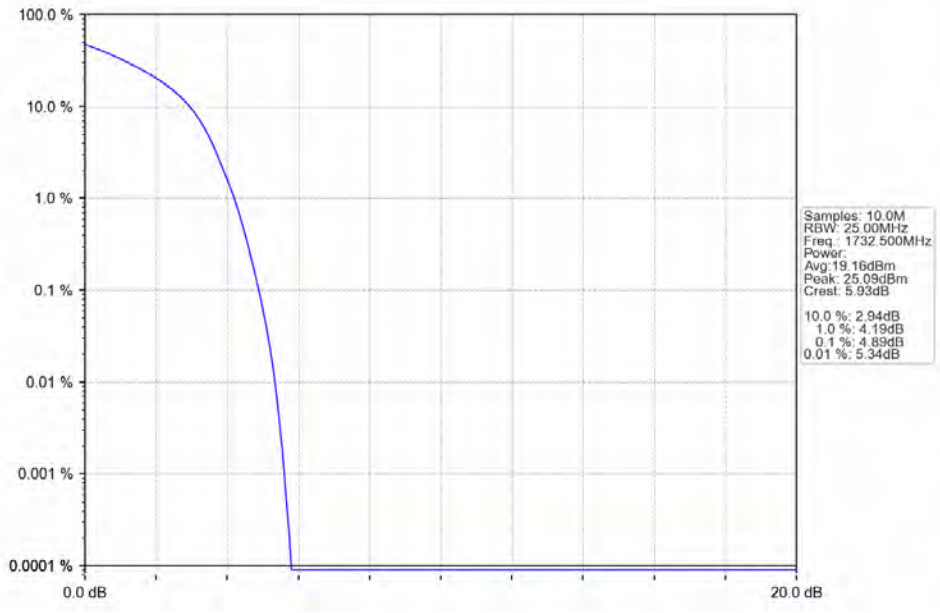
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.85	<=13	Pass
	1732.5	75	0	4.89	<=13	Pass
	1747.5	75	0	4.89	<=13	Pass
16QAM	1717.5	75	0	6.34	<=13	Pass
	1732.5	75	0	6.26	<=13	Pass
	1747.5	75	0	6.19	<=13	Pass

5.5.2 Test Graph

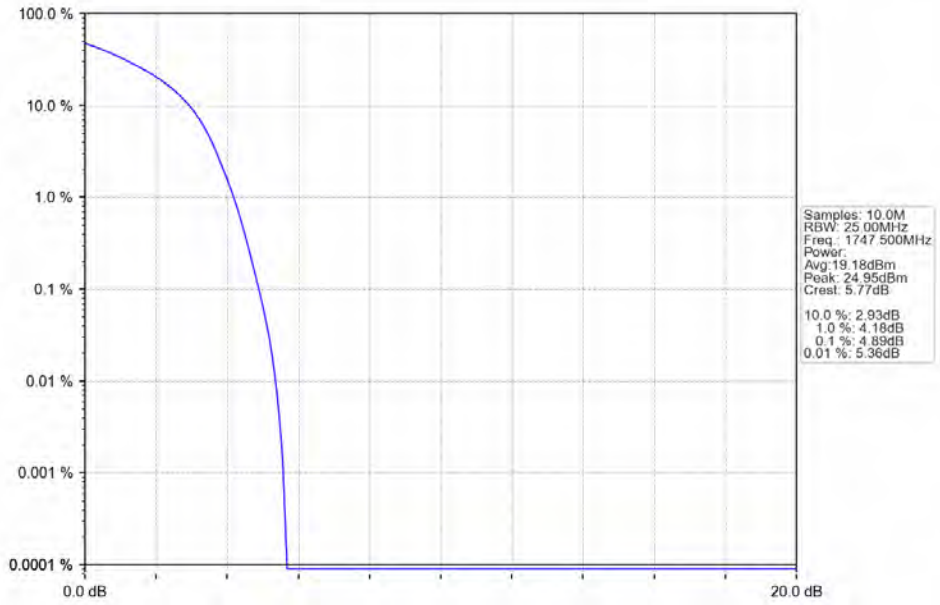
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



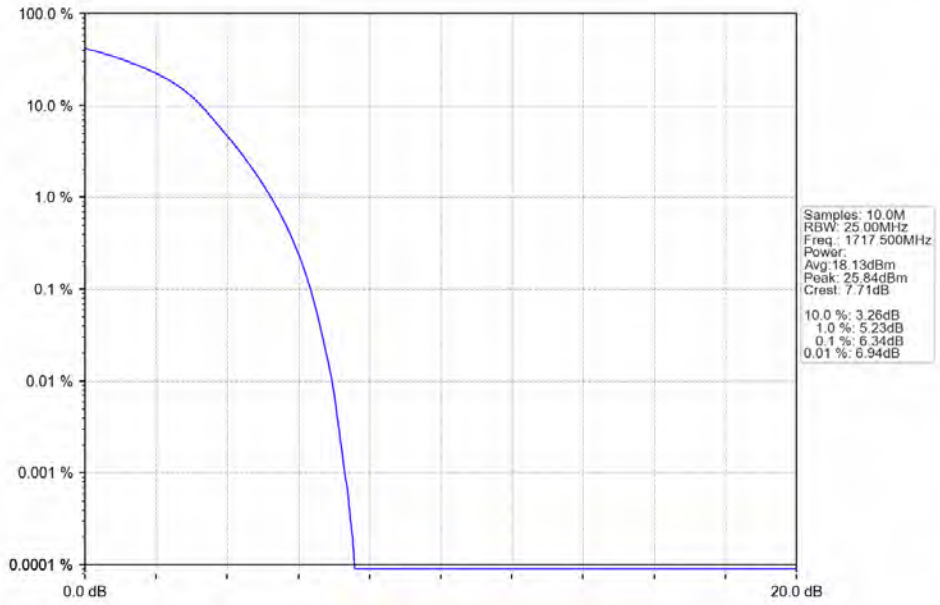
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



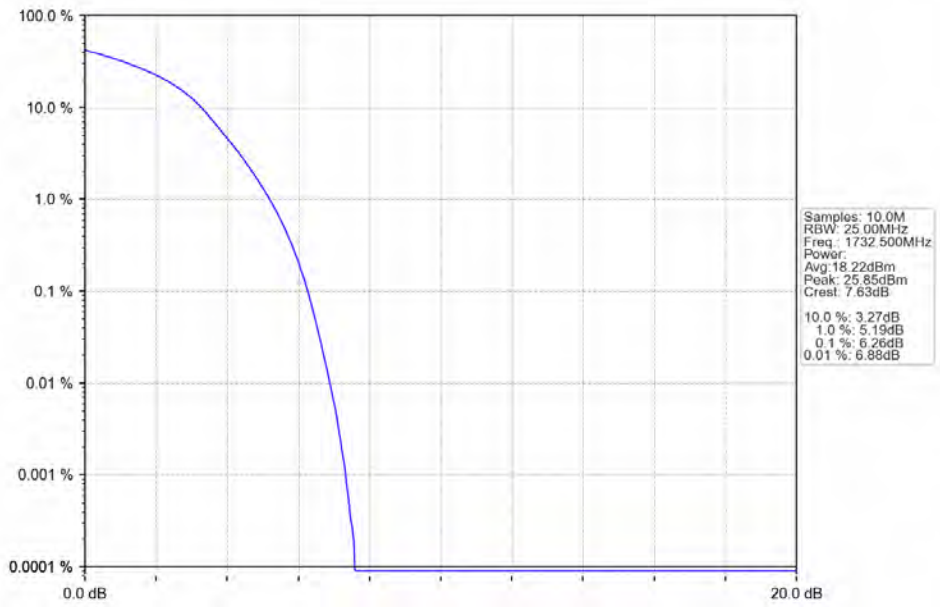
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



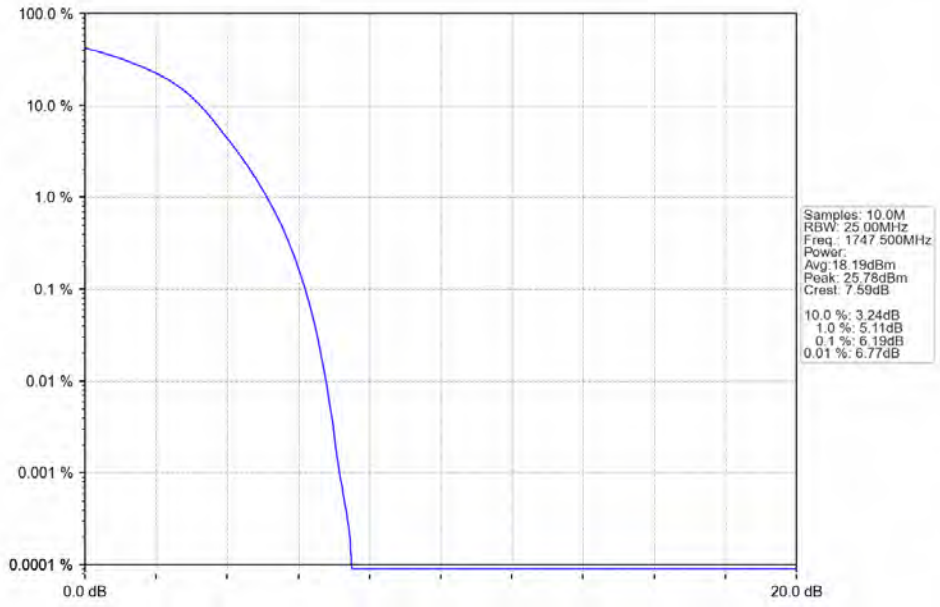
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



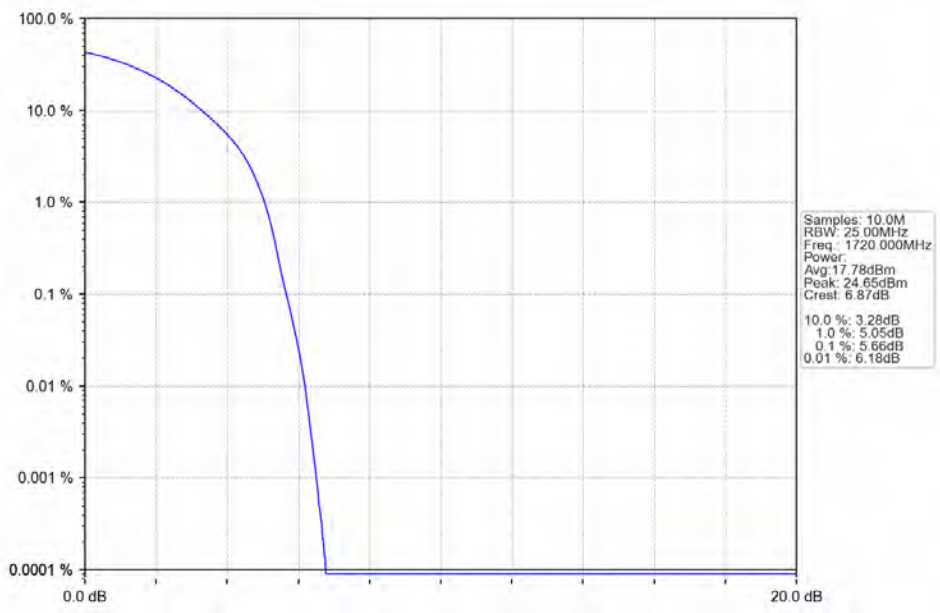
5.6 B4_20MHz

5.6.1 Test Result

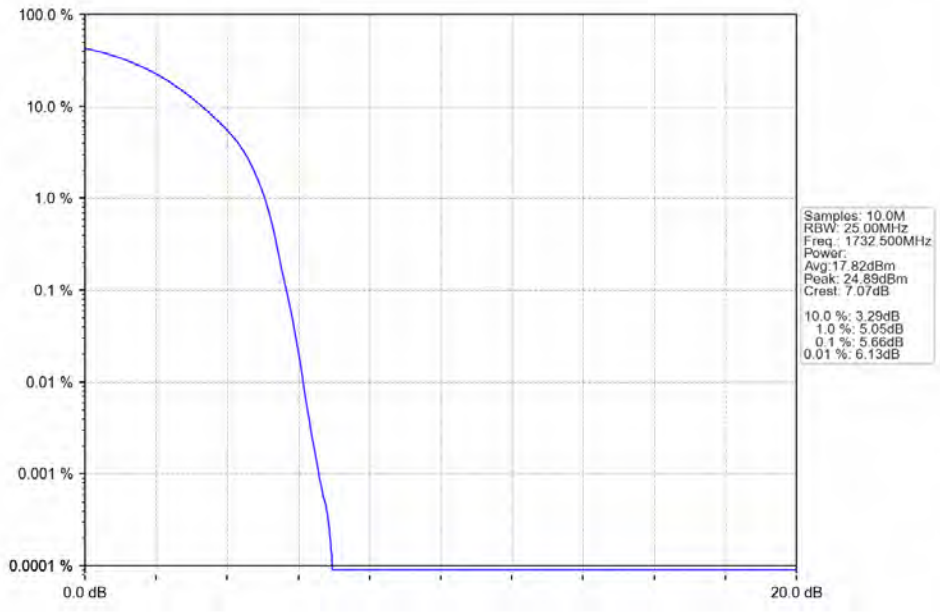
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.66	<=13	Pass
	1732.5	100	0	5.66	<=13	Pass
	1745	100	0	5.61	<=13	Pass
16QAM	1720	100	0	6.81	<=13	Pass
	1732.5	100	0	6.82	<=13	Pass
	1745	100	0	6.76	<=13	Pass

5.6.2 Test Graph

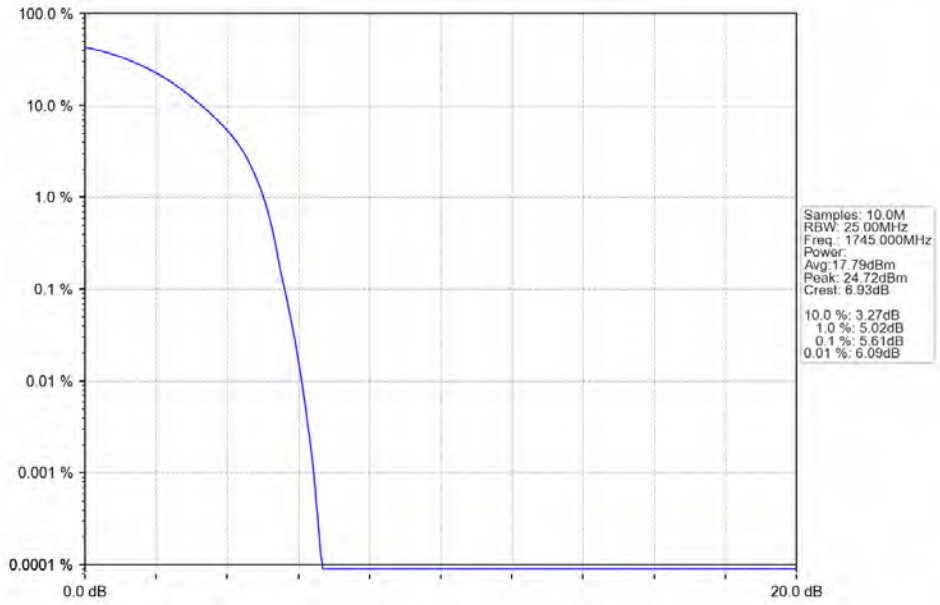
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



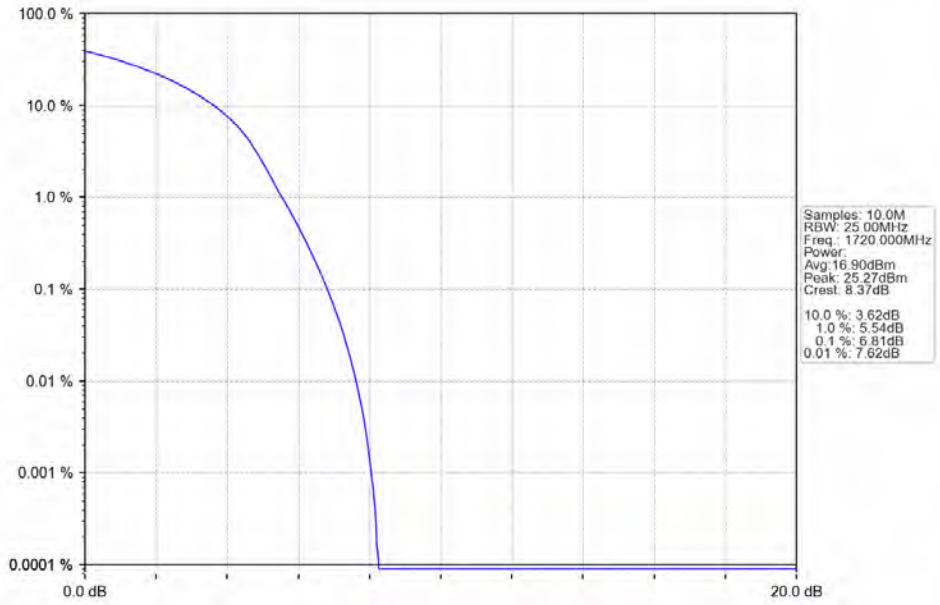
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



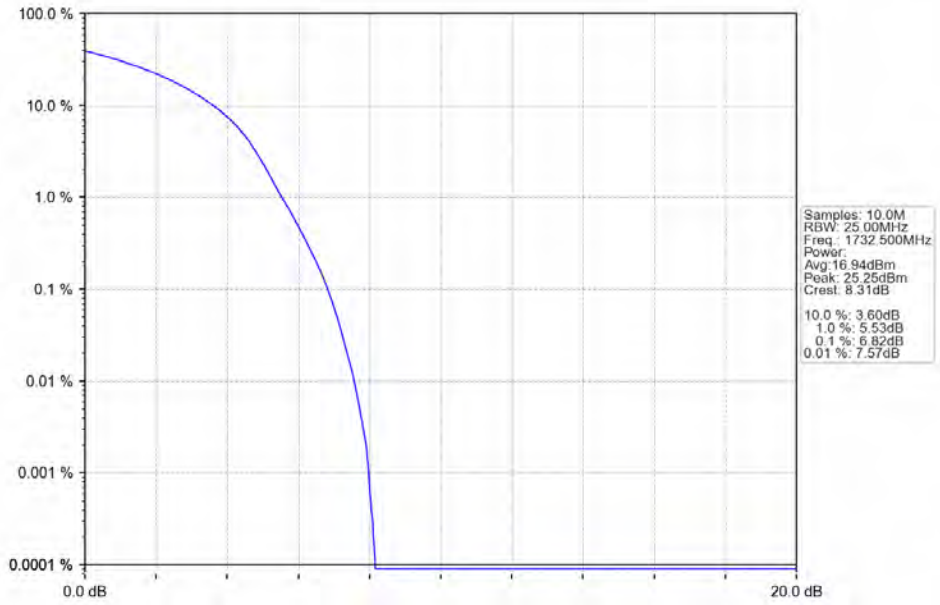
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



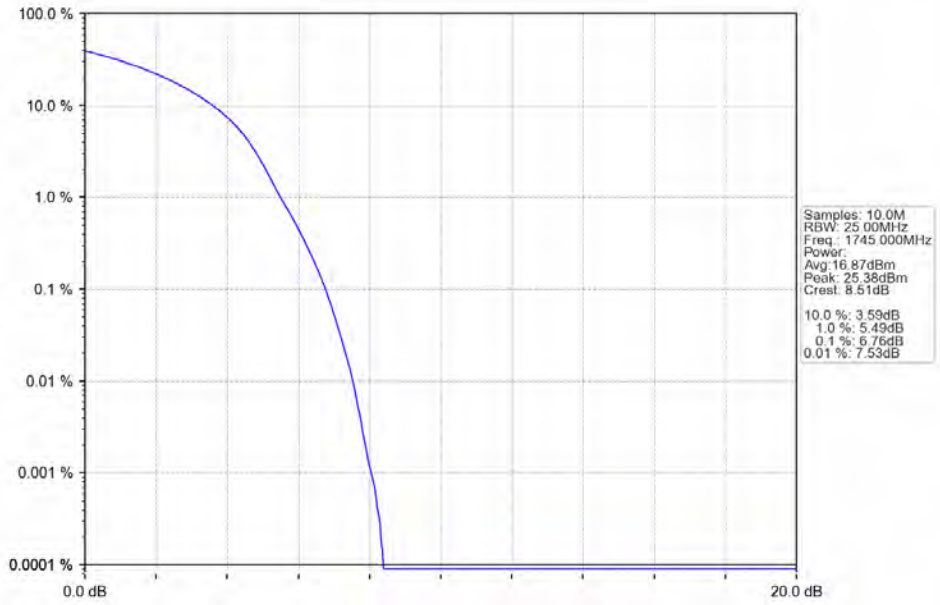
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



6. Spurious Emission

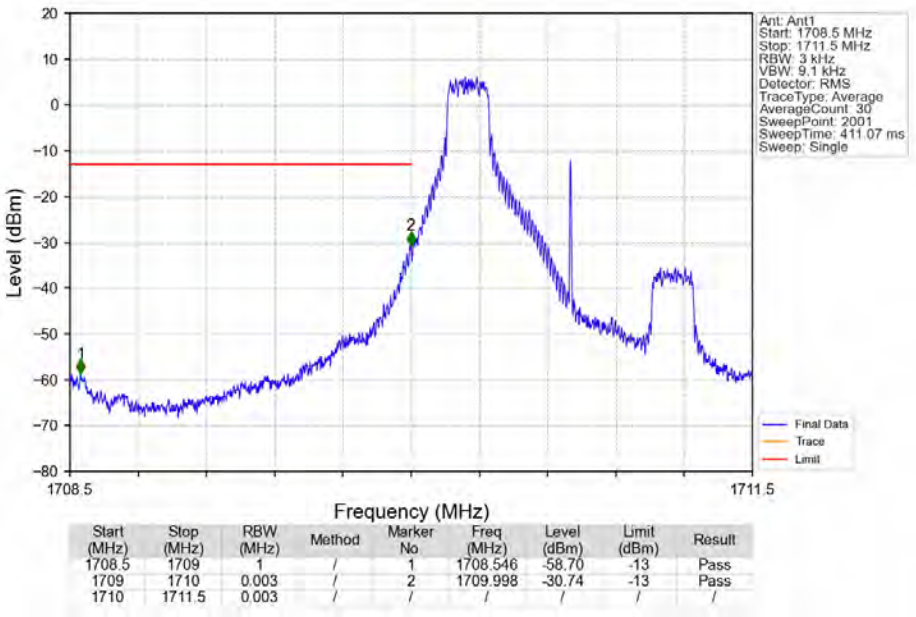
6.1 B4_1.4MHz

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

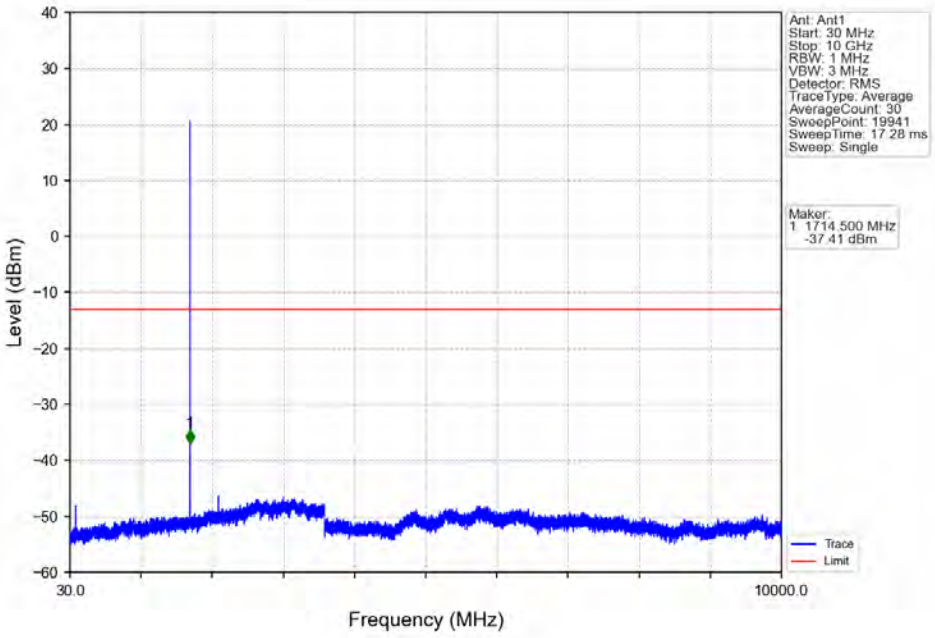
6.1.2 Test Graph

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

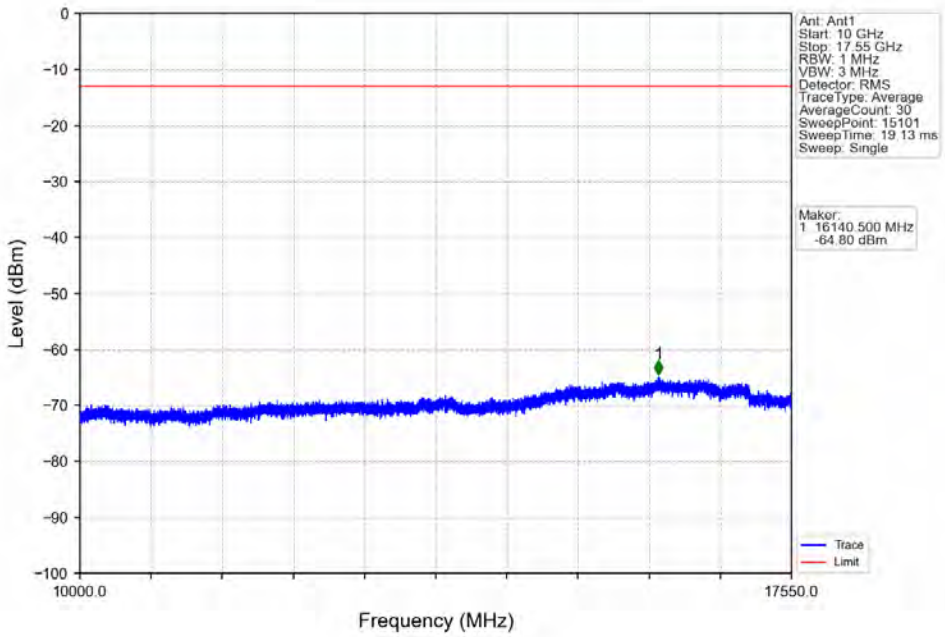


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.546	-58.70	-13	Pass
1709	1710	0.003	/	2	1709.998	-30.74	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

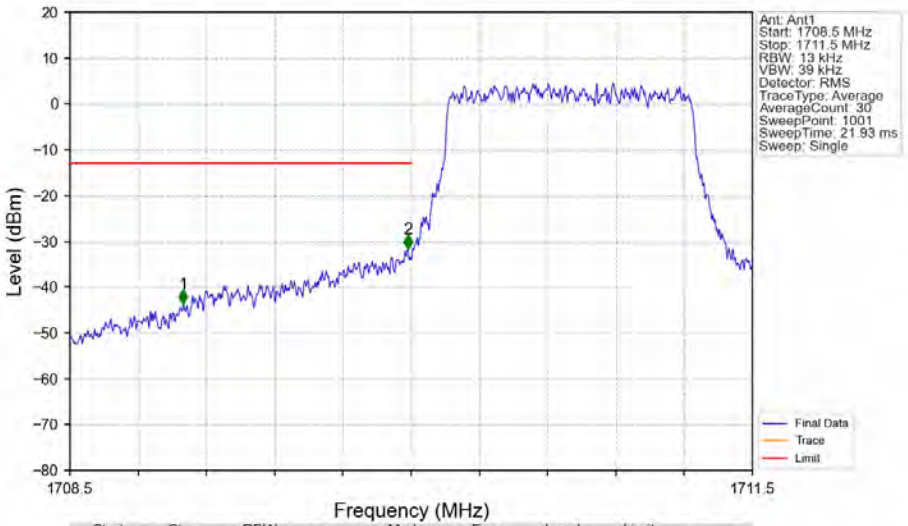
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

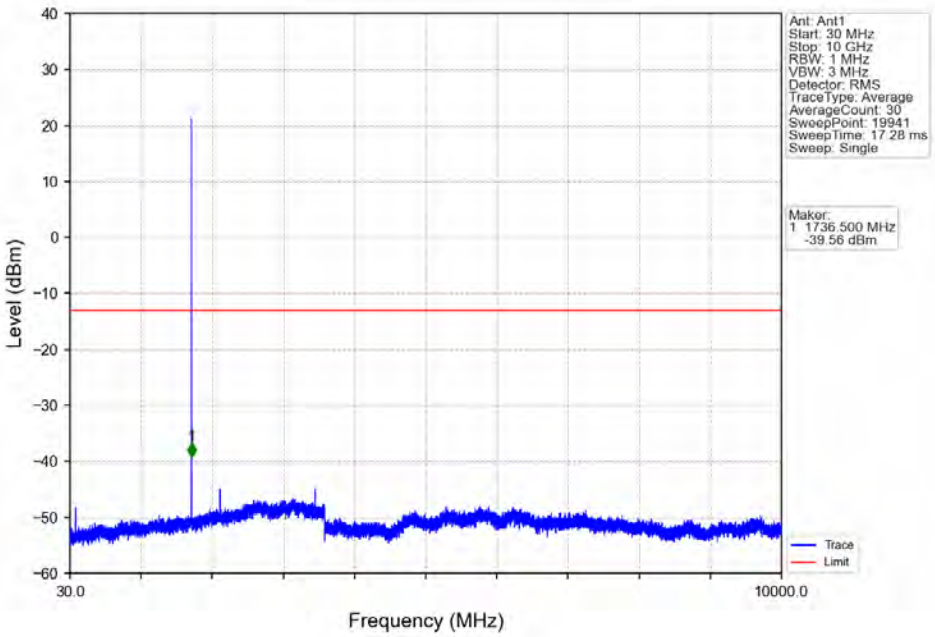


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

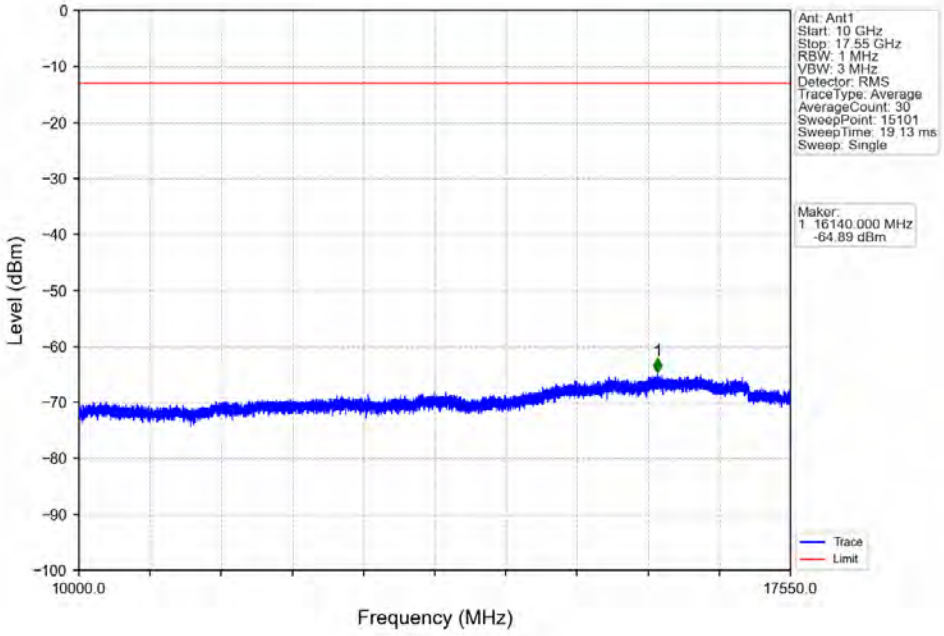


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.998	-43.69	-13	Pass
1709	1710	0.013	/	2	1709.985	-31.73	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

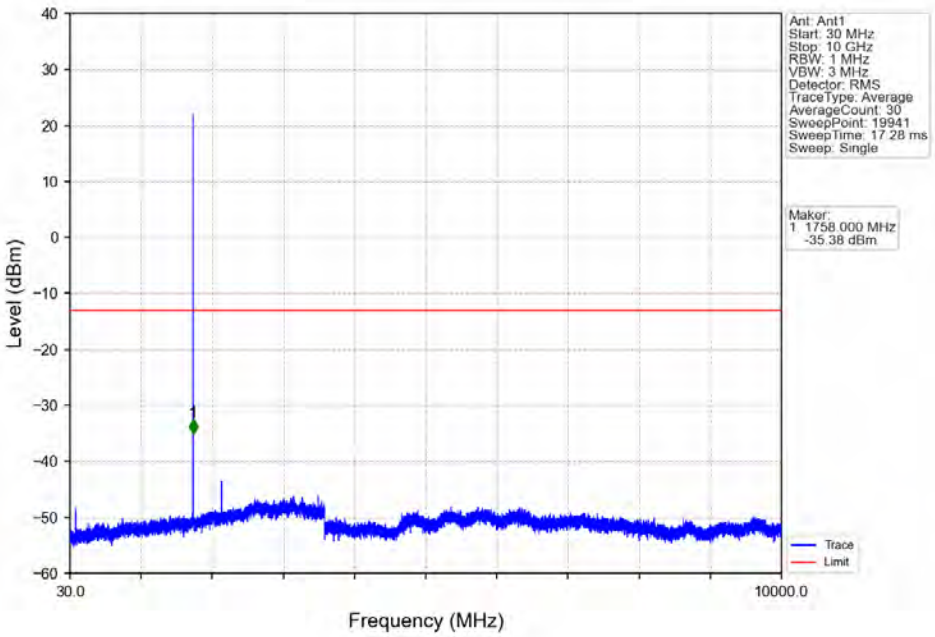
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



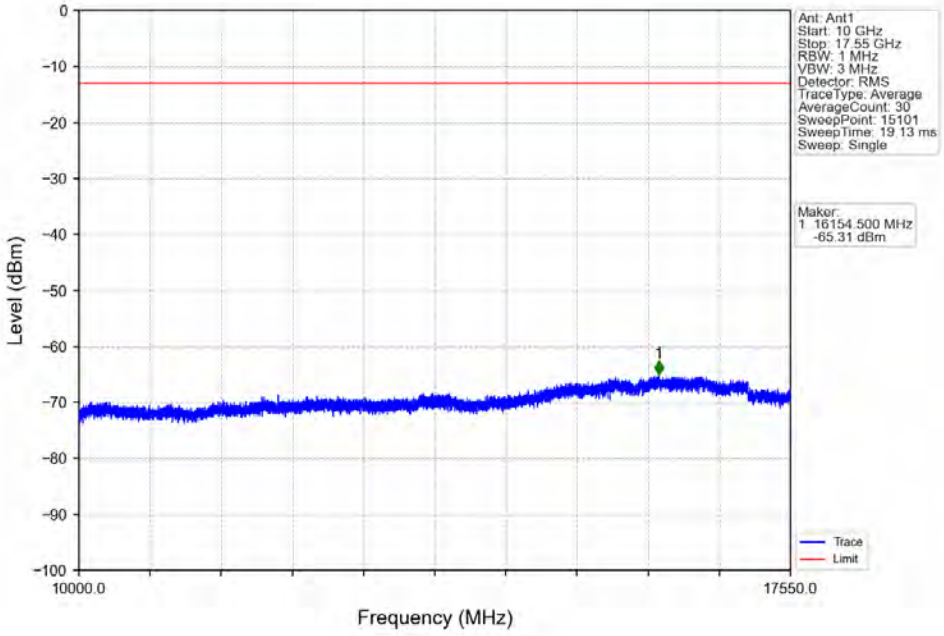
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



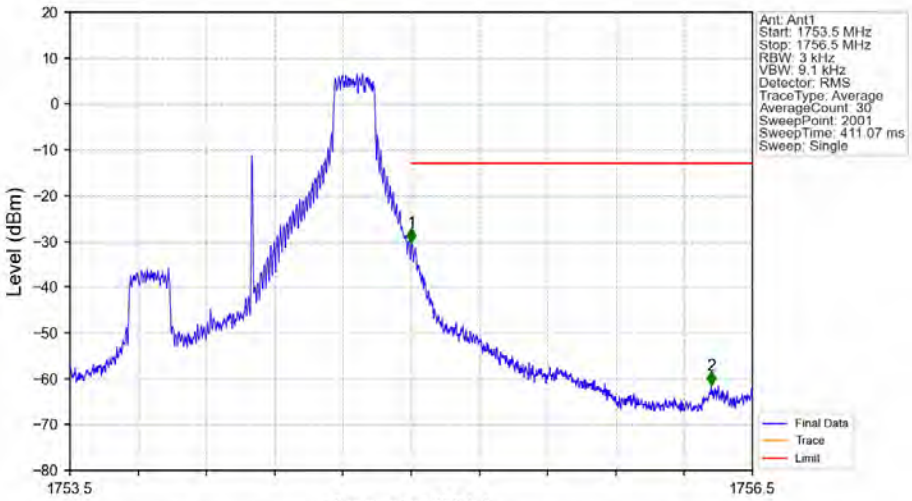
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

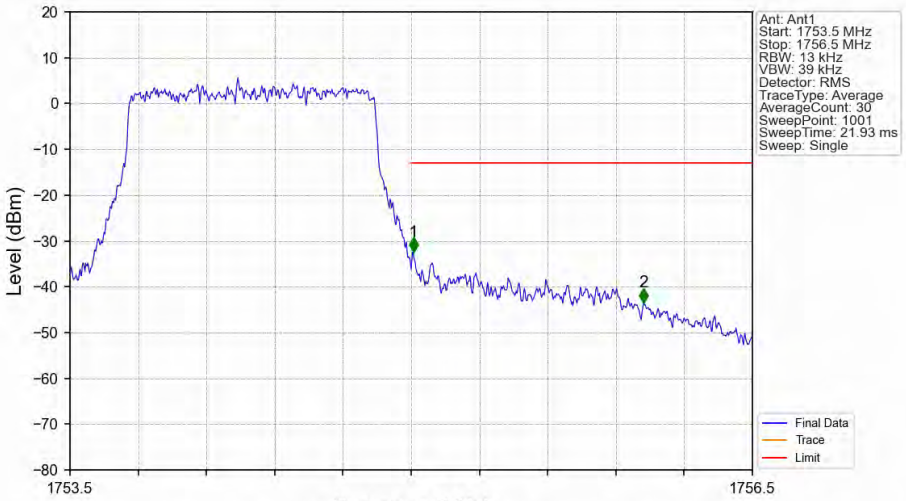


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



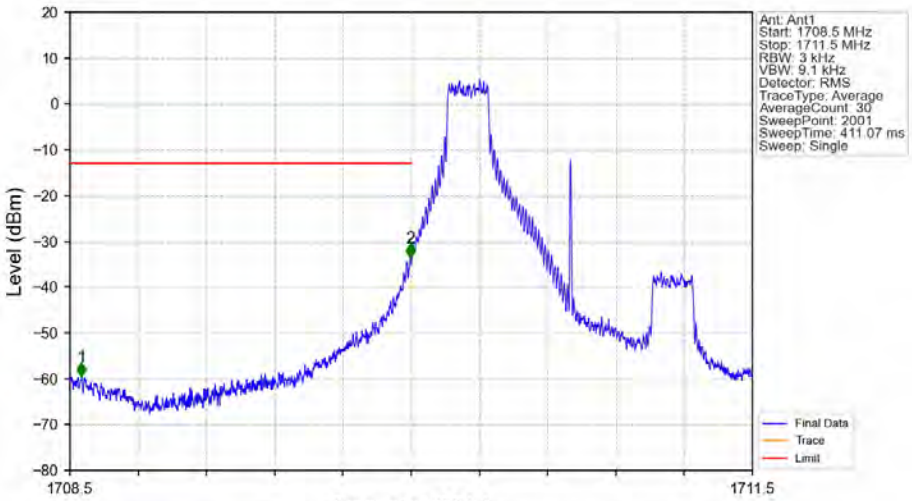
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-30.23	-13	Pass
1756	1756.5	1	/	2	1756.319	-61.54	-13	Pass

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



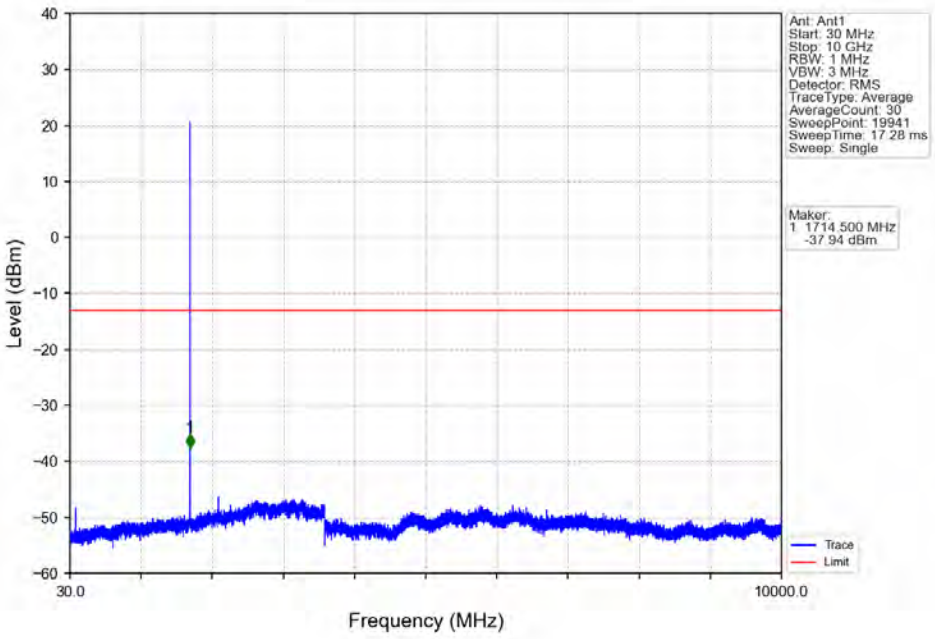
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	/	/	/	/	/
1755	1756	0.013	/	1	1755.009	-32.35	-13	Pass
1756	1756.5	1	/	2	1756.023	-43.43	-13	Pass

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

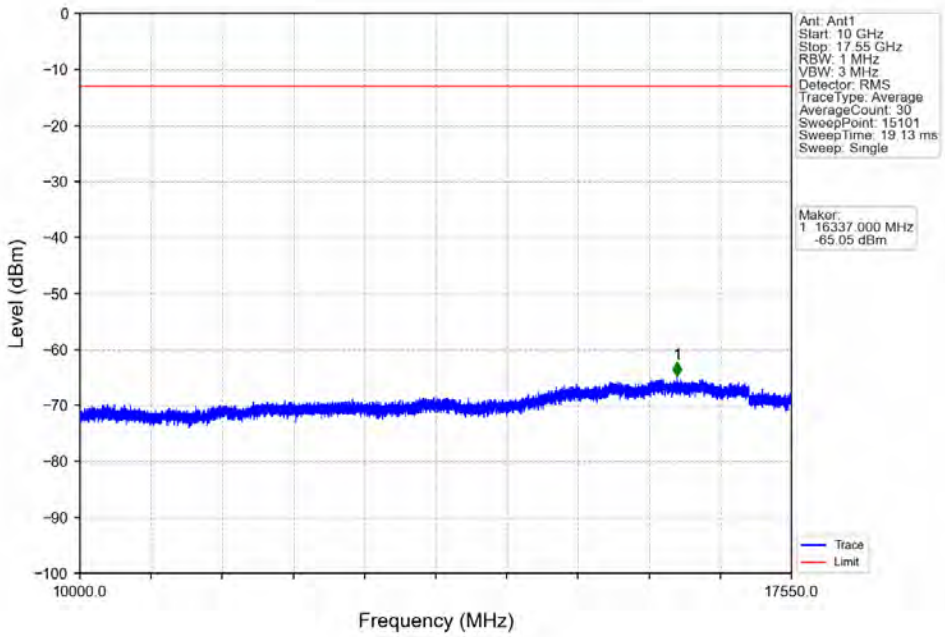


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.551	-59.58	-13	Pass
1709	1710	0.003	/	2	1709.995	-33.68	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

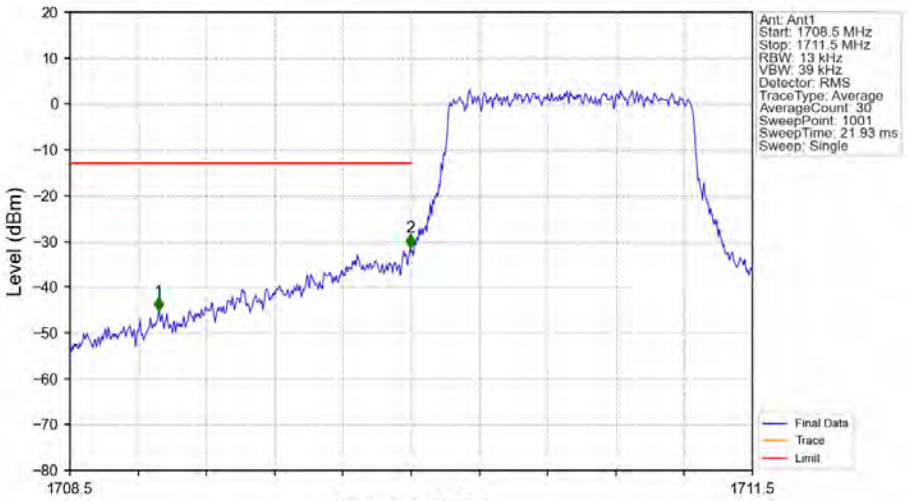
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

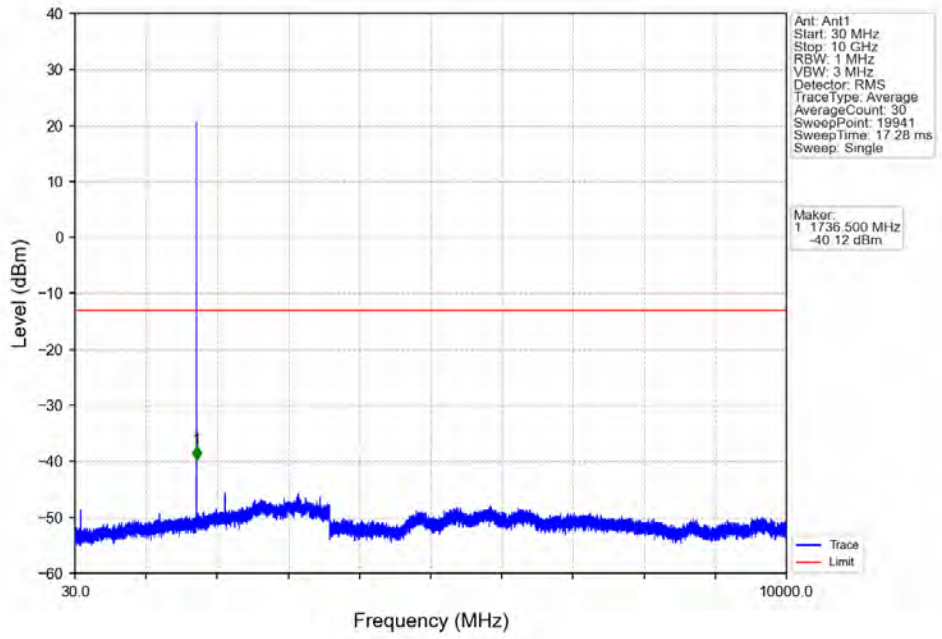


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

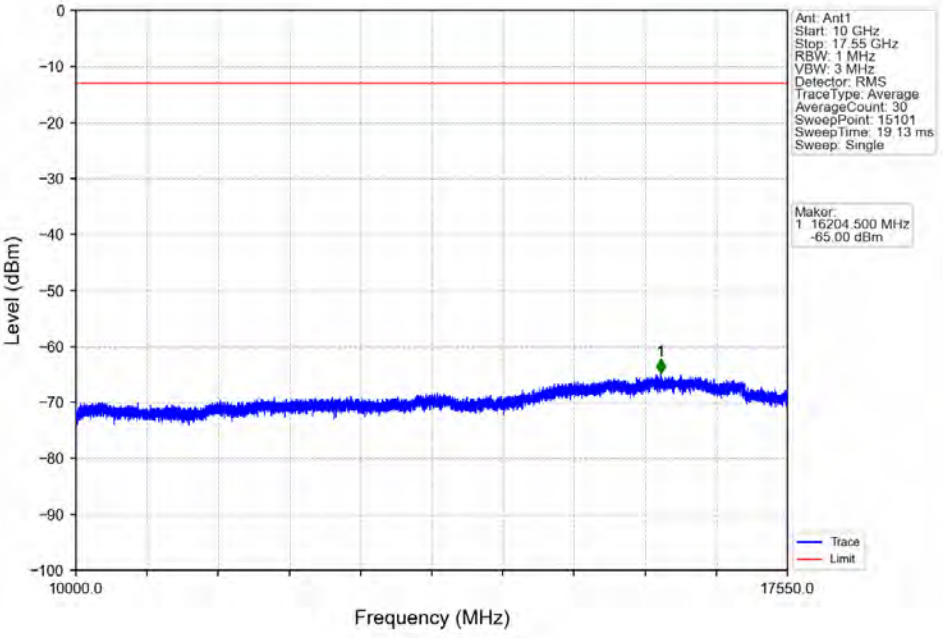


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.890	-45.21	-13	Pass
1709	1710	0.013	/	2	1709.997	-31.44	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

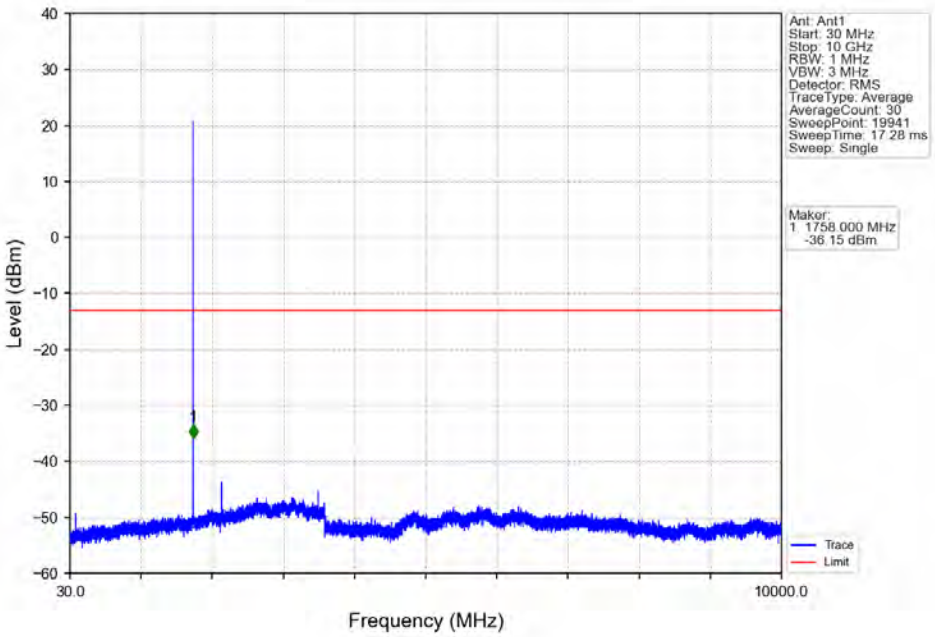
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



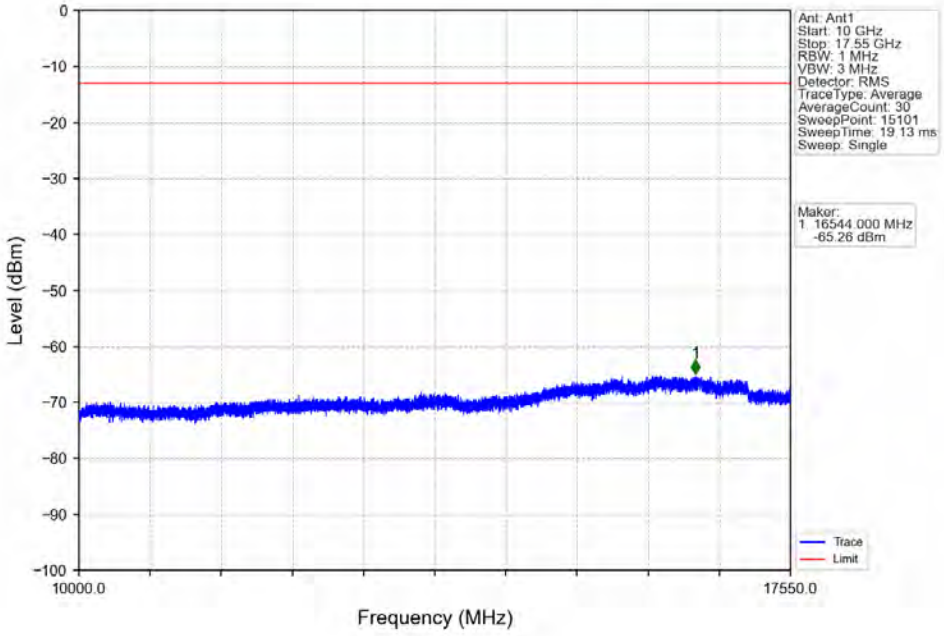
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



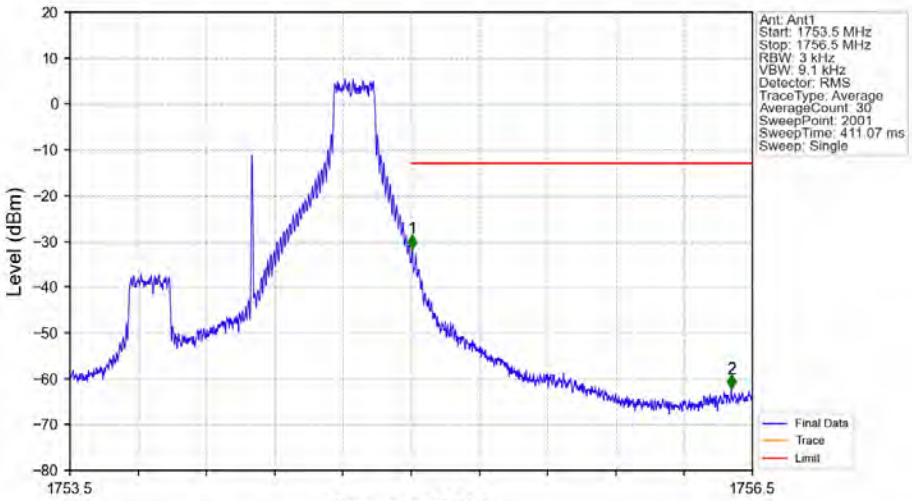
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

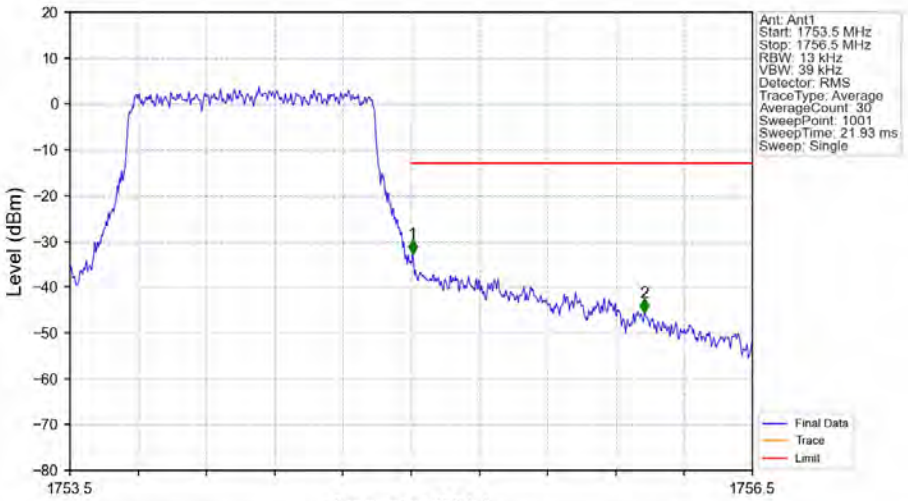


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



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	-31.61	-13	Pass
1756	1756.5	1	/	2	1756.407	-62.19	-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	1755.006	-32.81	-13	Pass
1756	1756.5	1	/	2	1756.026	-45.60	-13	Pass

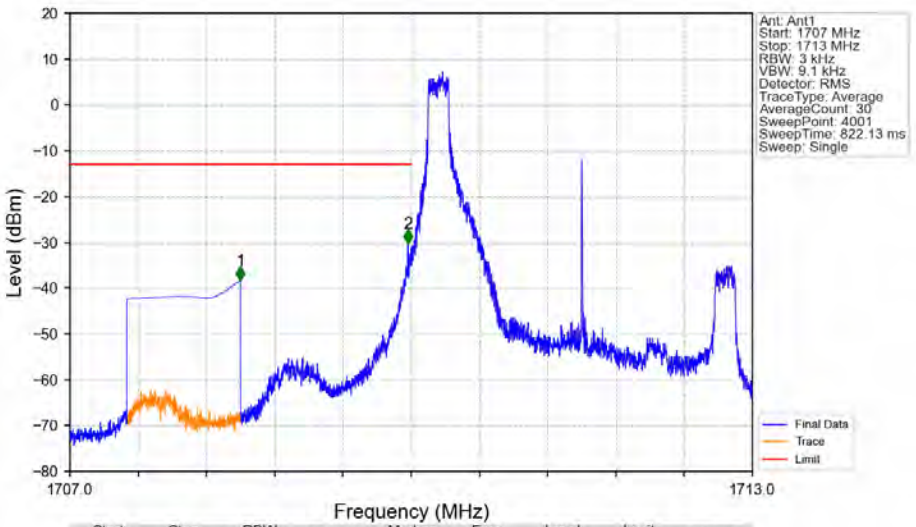
6.2 B4_3MHz

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

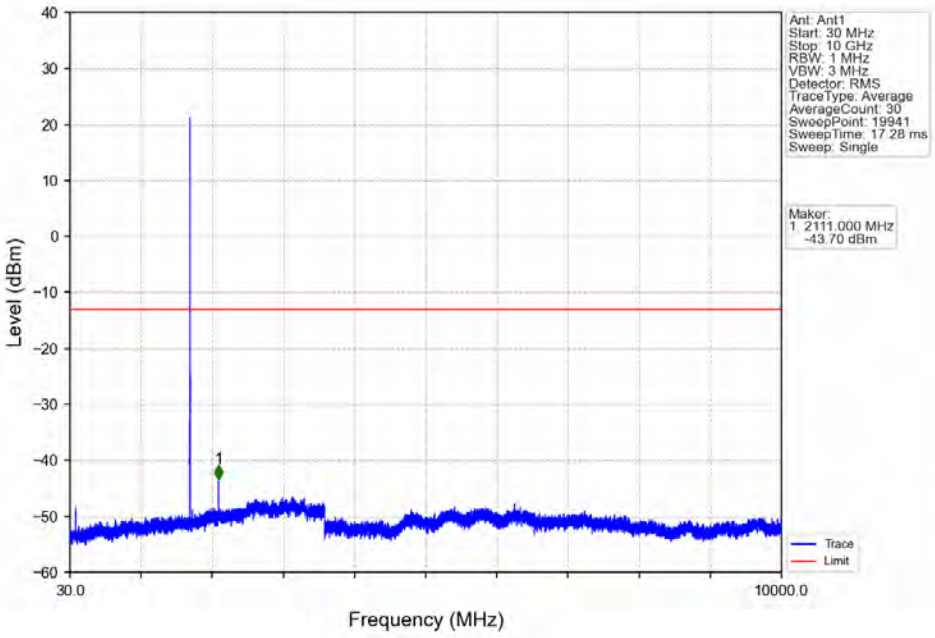
6.2.2 Test Graph

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

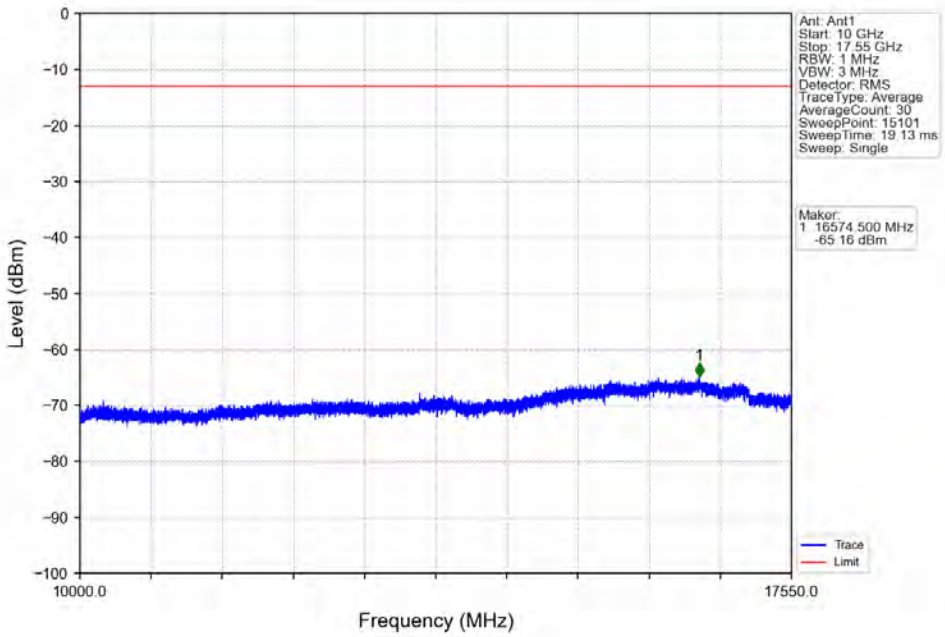


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-38.37	-13	Pass
1709	1710	0.003	/	2	1709.972	-30.30	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

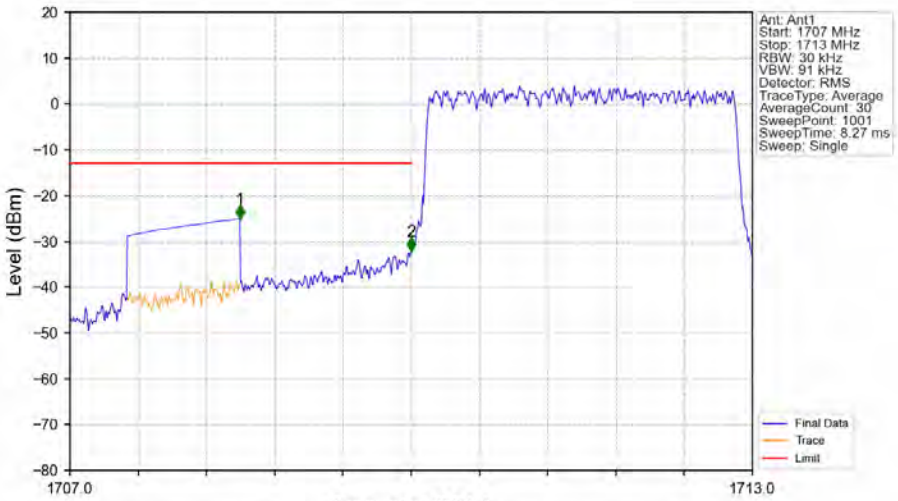
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

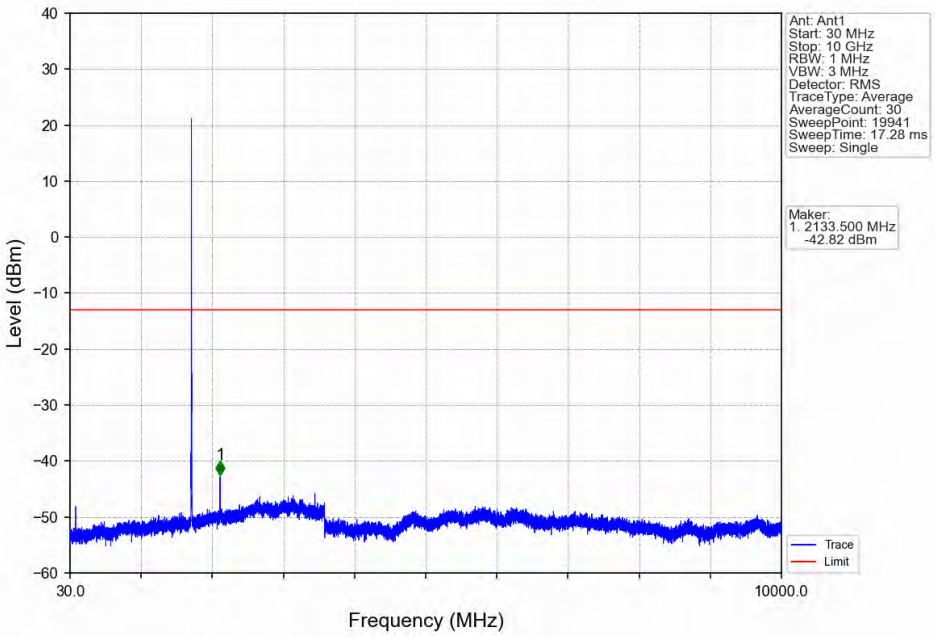


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

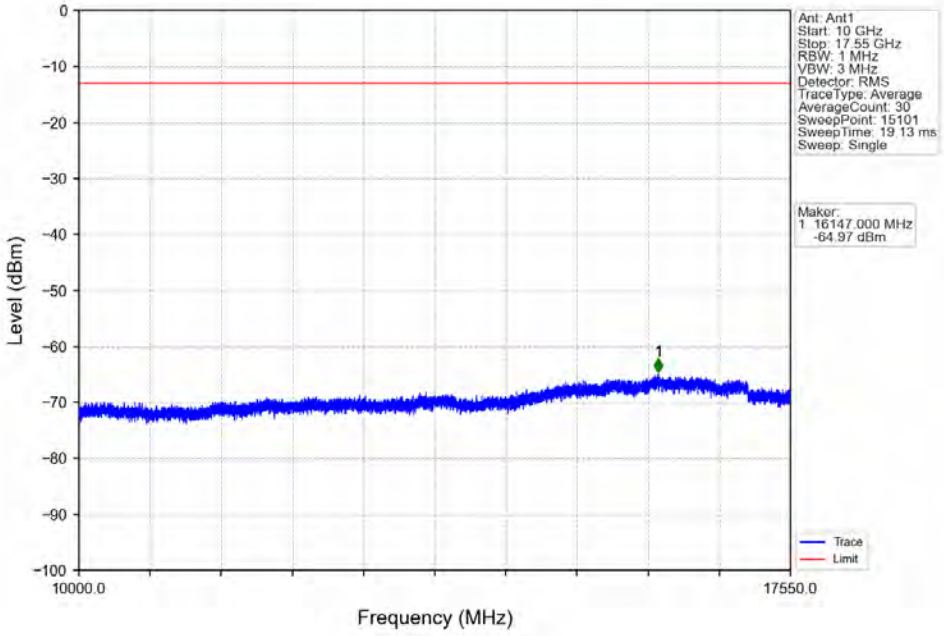


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-25.12	-13	Pass
1709	1710	0.03	/	2	1710.000	-32.26	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

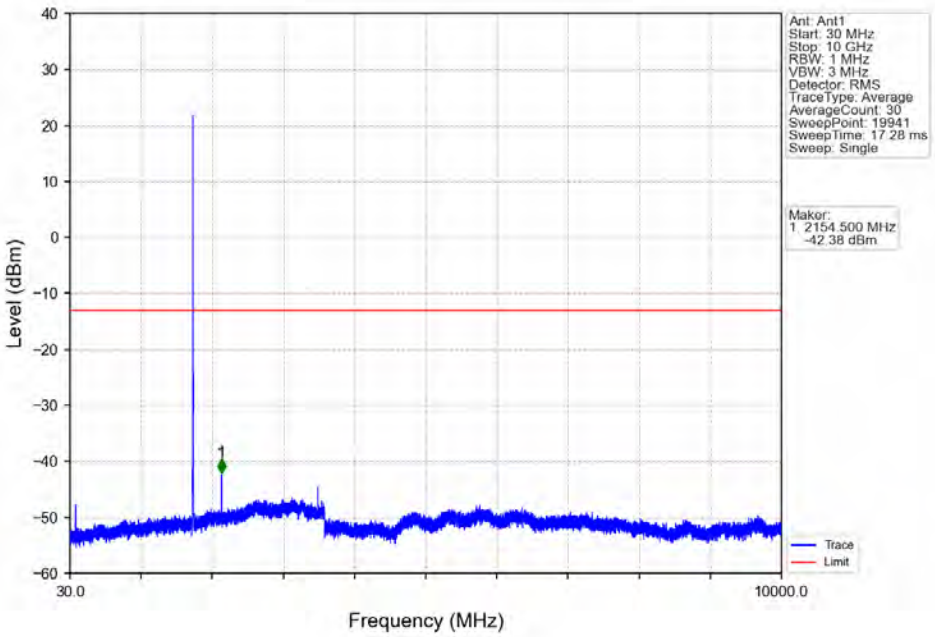
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



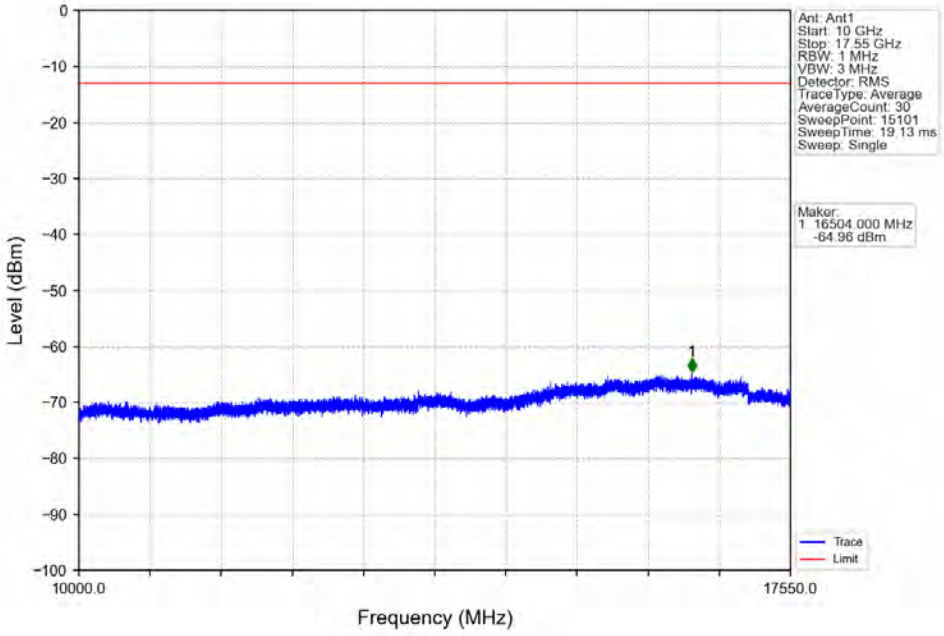
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



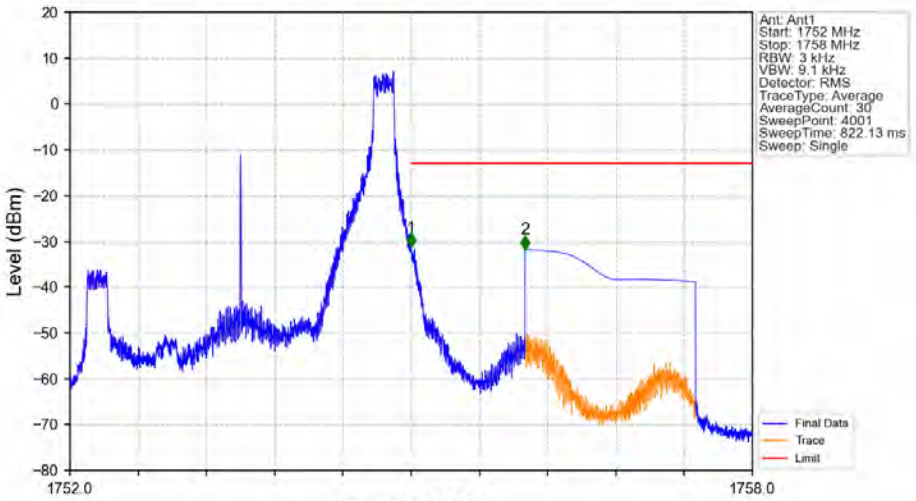
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

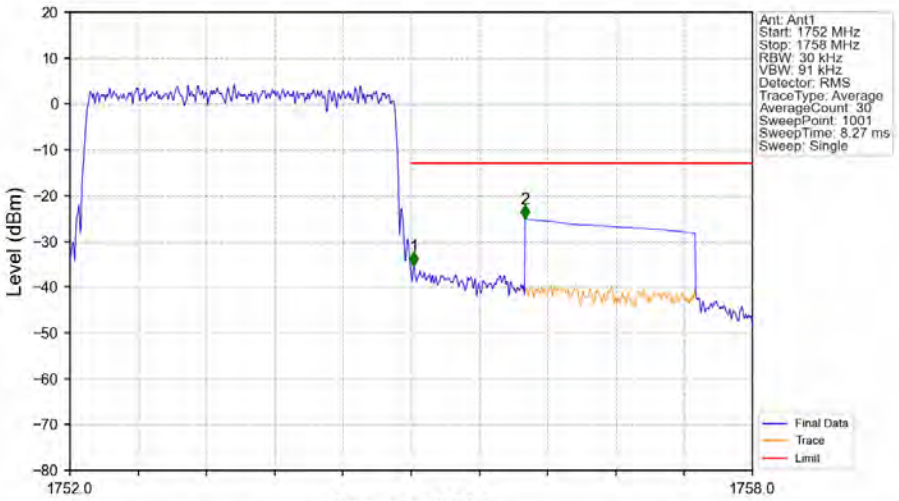


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



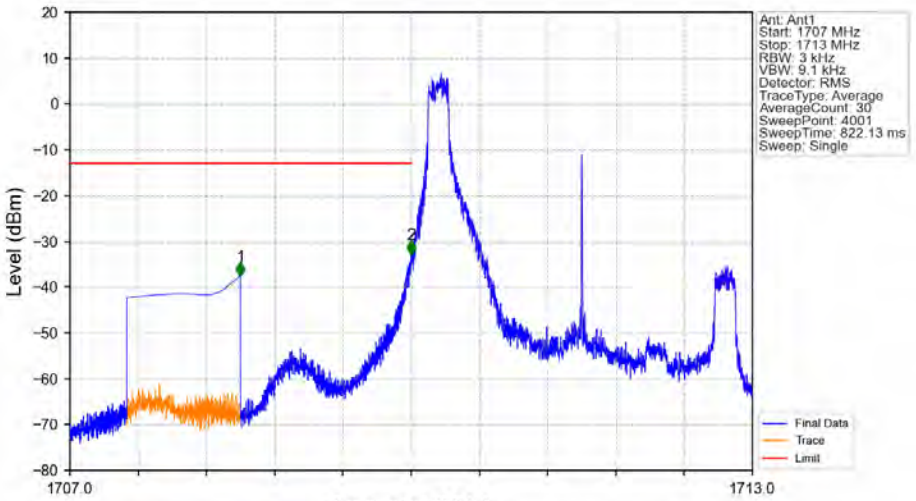
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-31.35	-13	Pass
1756	1758	1	CHP	2	1756.001	-31.79	-13	Pass

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



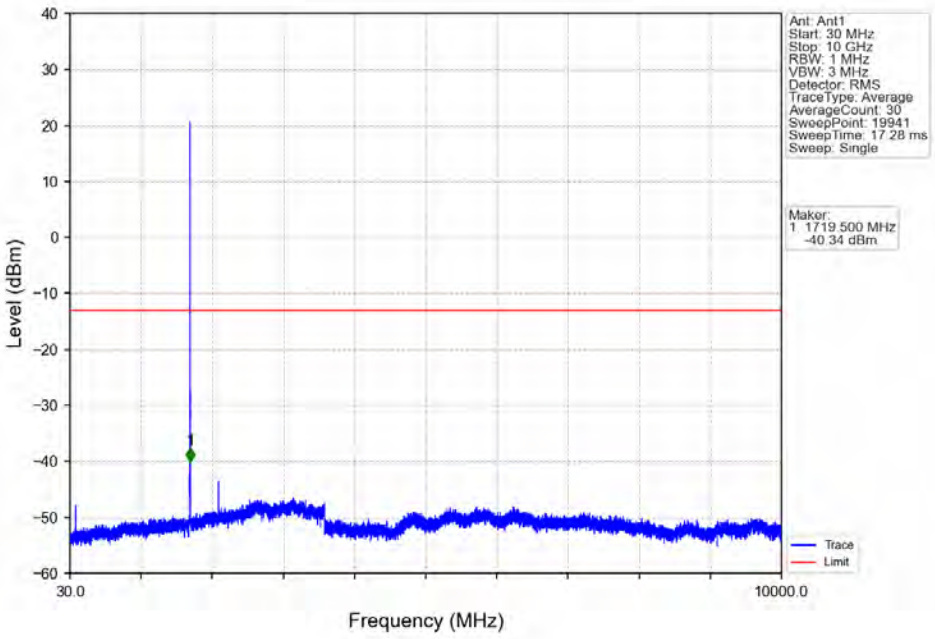
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.03	/	/	/	/	/	/
1755	1756	0.03	/	1	1755.024	-35.45	-13	Pass
1756	1758	1	CHP	2	1756.002	-25.12	-13	Pass

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

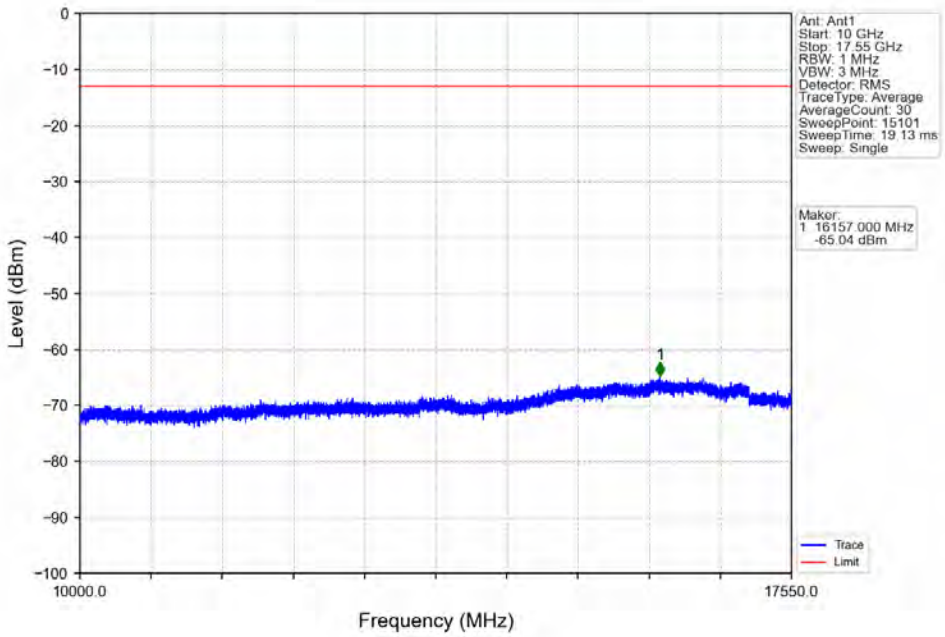


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-37.65	-13	Pass
1709	1710	0.003	/	2	1709.998	-32.95	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

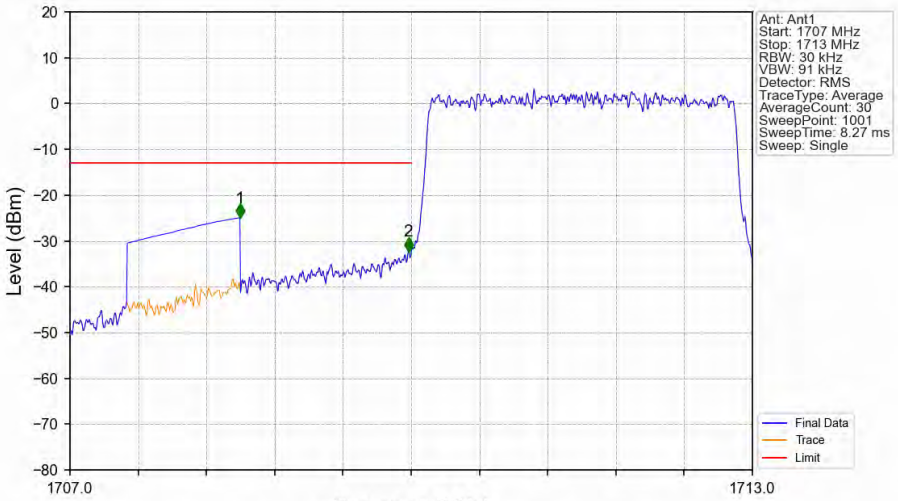
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

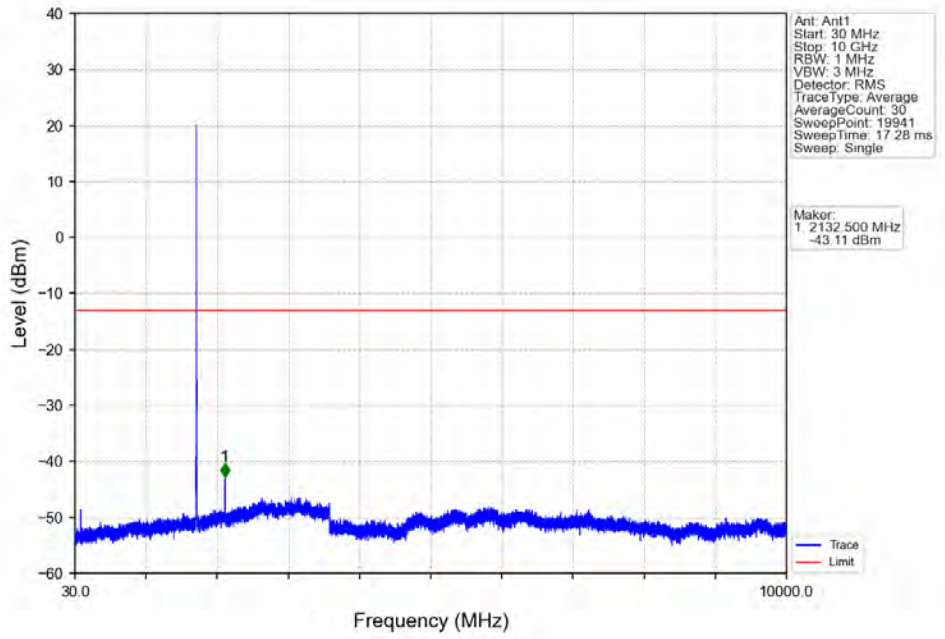


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

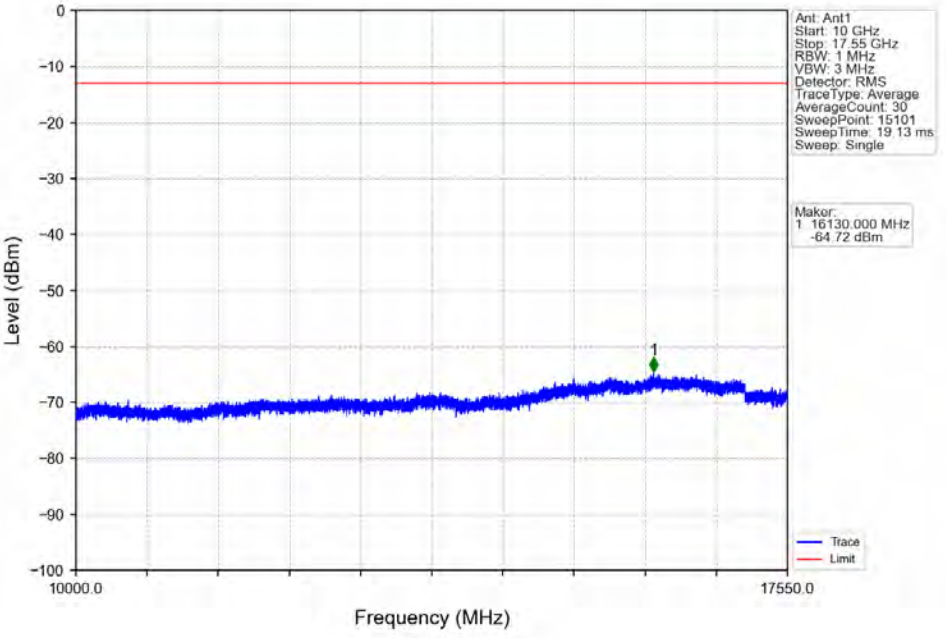


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-24.96	-13	Pass
1709	1710	0.03	/	2	1709.976	-32.30	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

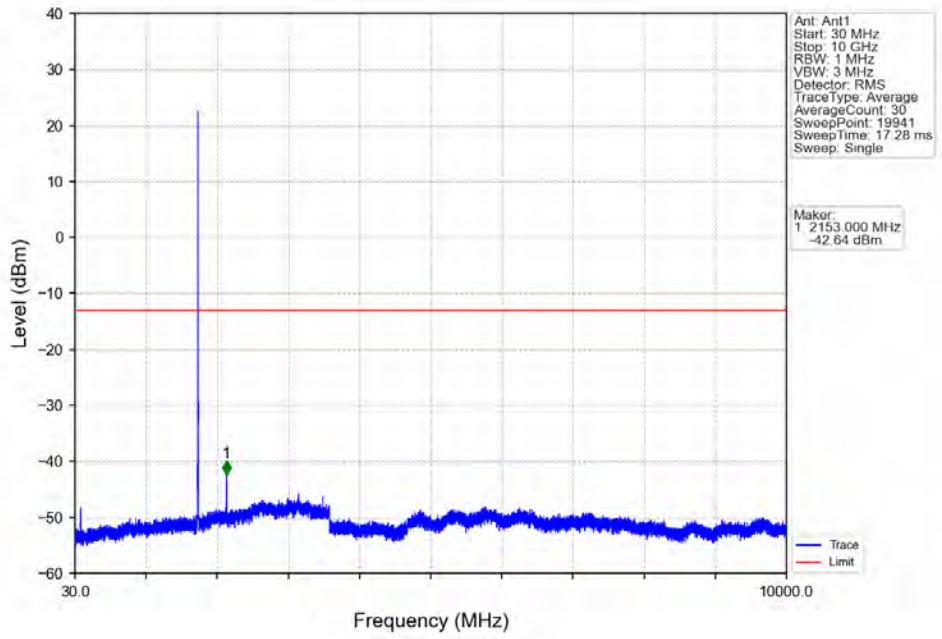
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



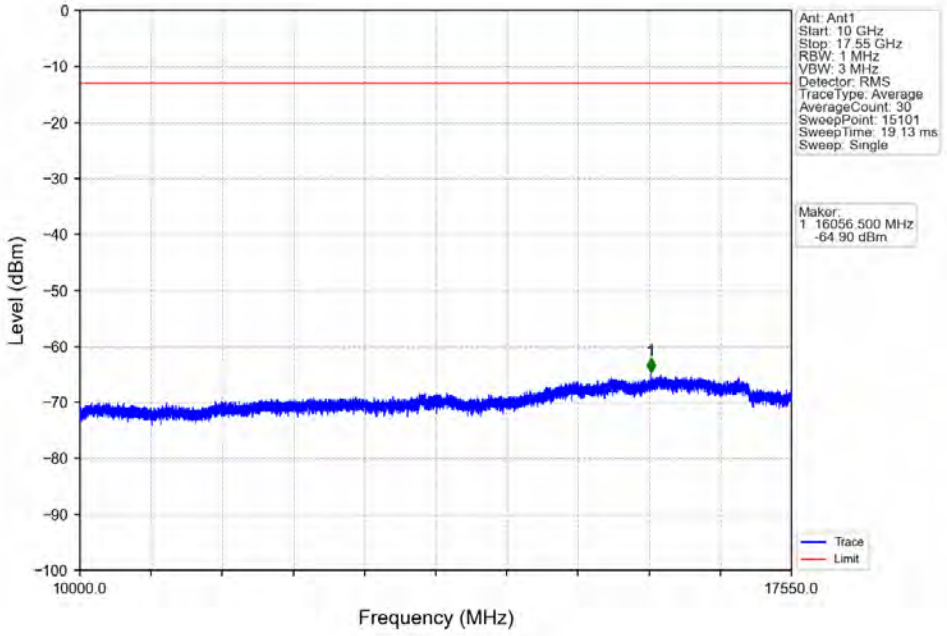
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



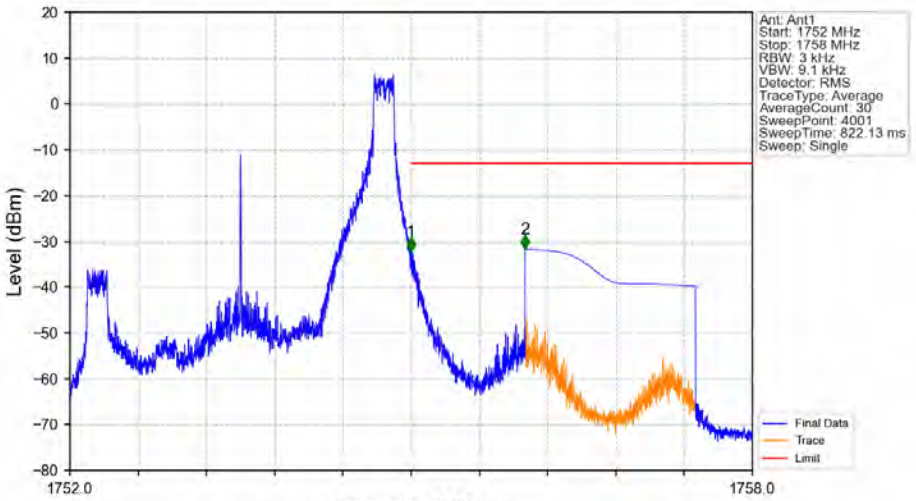
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV

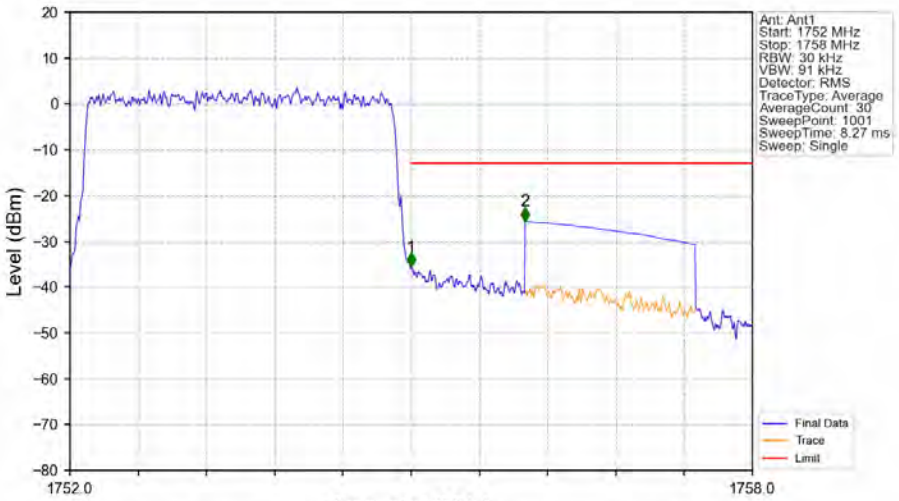


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTNV



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	1755.000	-32.22	-13	Pass
1756	1758	1	CHP	2	1756.001	-31.73	-13	Pass

Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.03	/	/	/	/	/	/
1755	1756	0.03	/	1	1755.000	-35.59	-13	Pass
1756	1758	1	CHP	2	1756.002	-25.60	-13	Pass

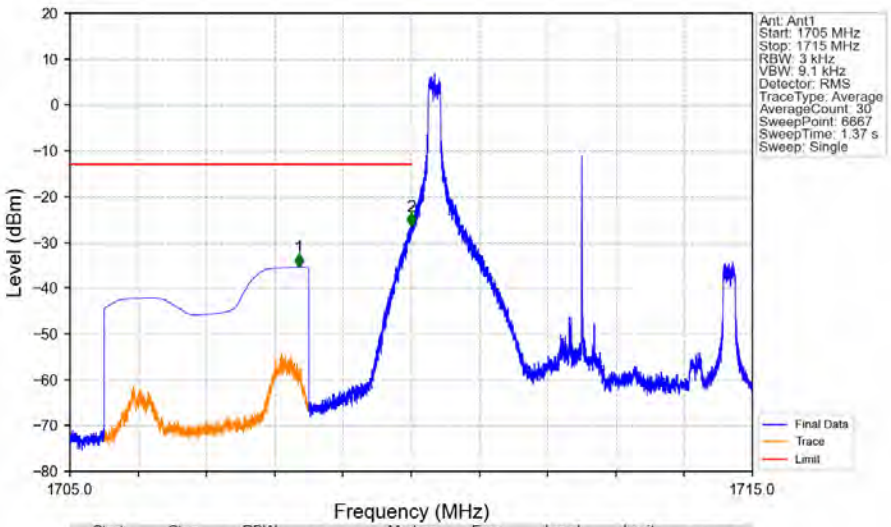
6.3 B4_5MHz

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

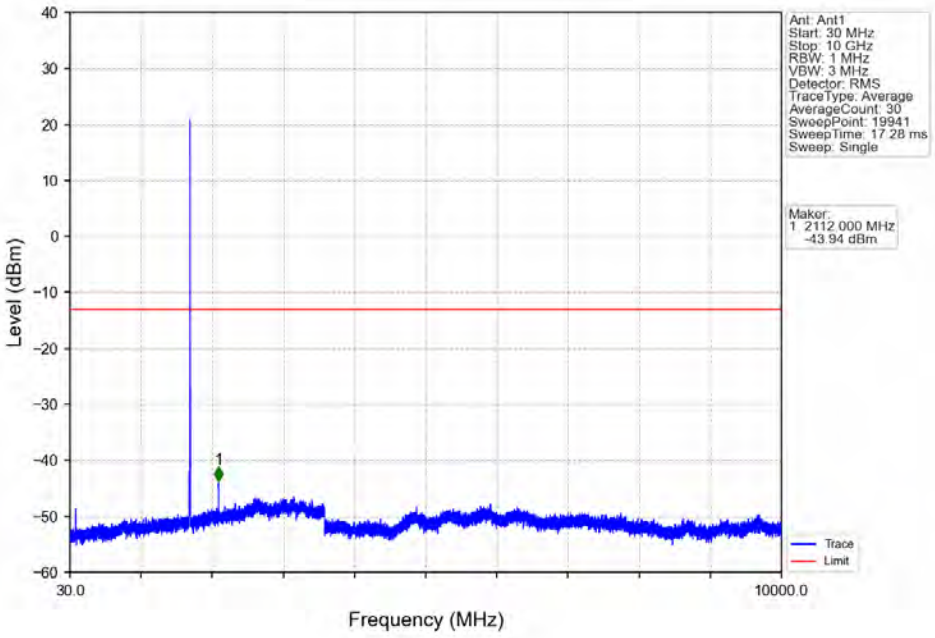
6.3.2 Test Graph

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

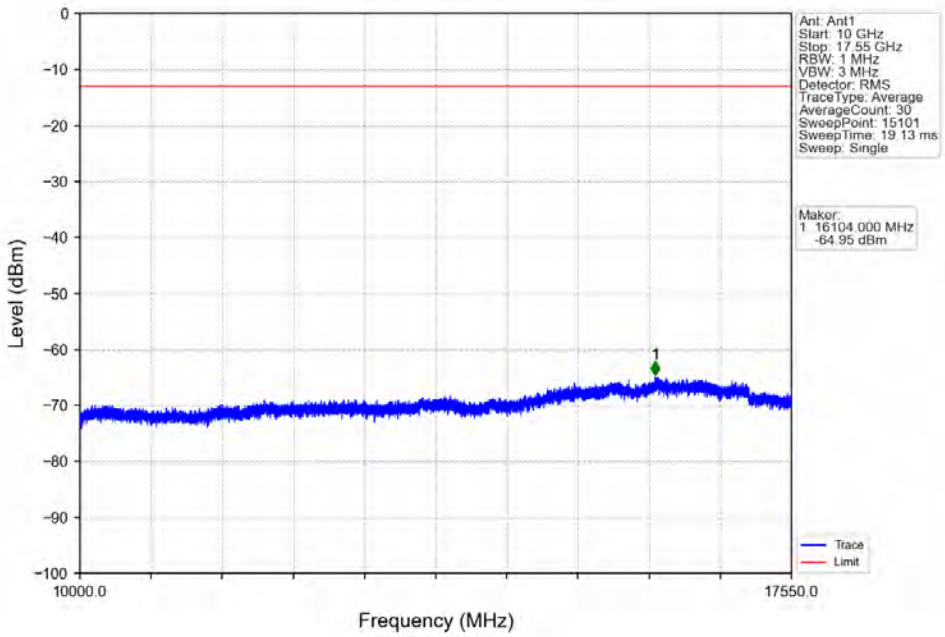


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.353	-35.48	-13	Pass
1709	1710	0.003	/	2	1709.998	-26.60	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

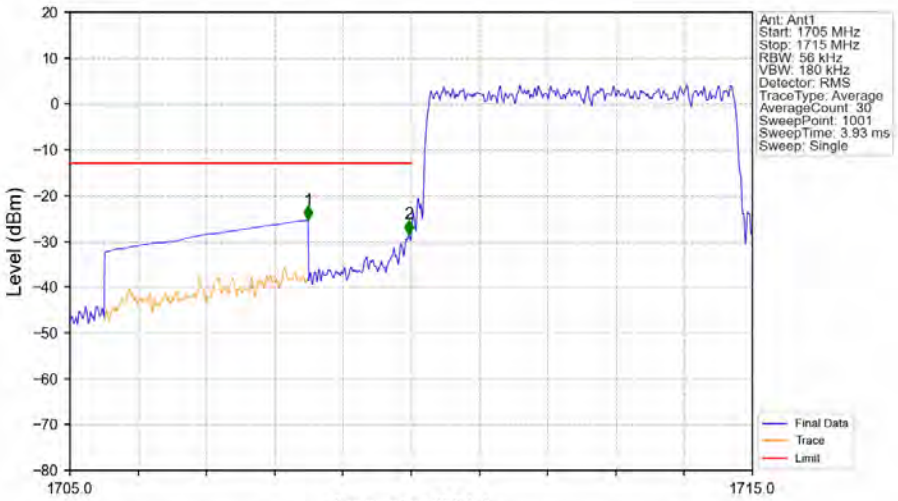
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

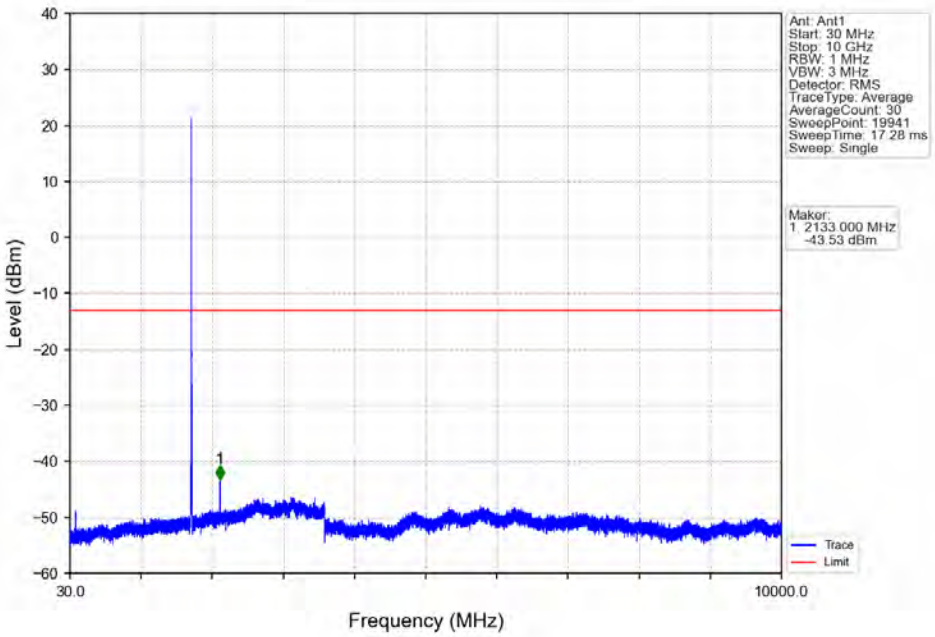


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

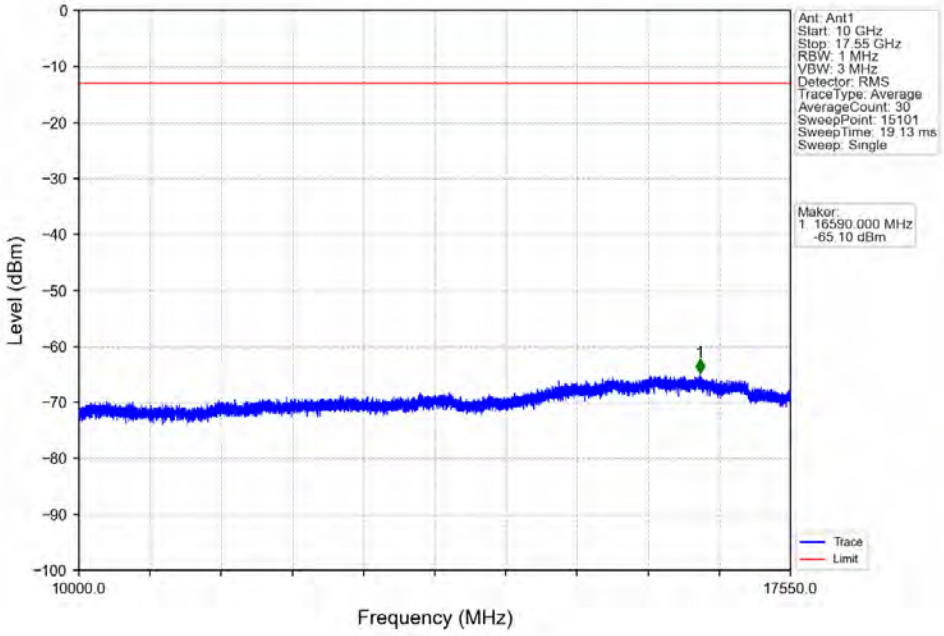


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-25.40	-13	Pass
1709	1710	0.056	/	2	1709.970	-28.41	-13	Pass
1710	1715	0.056	/	/	/	/	/	/

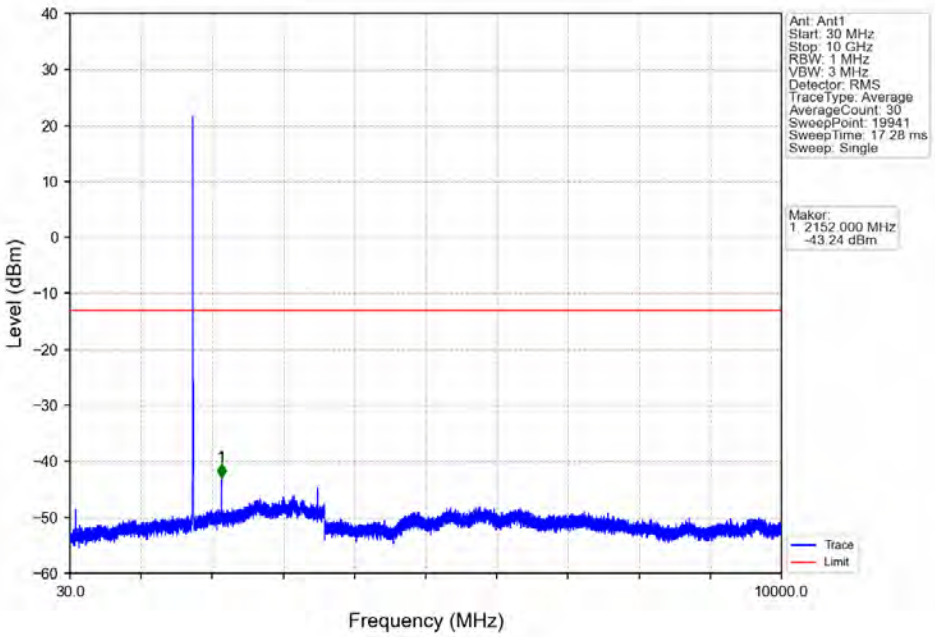
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



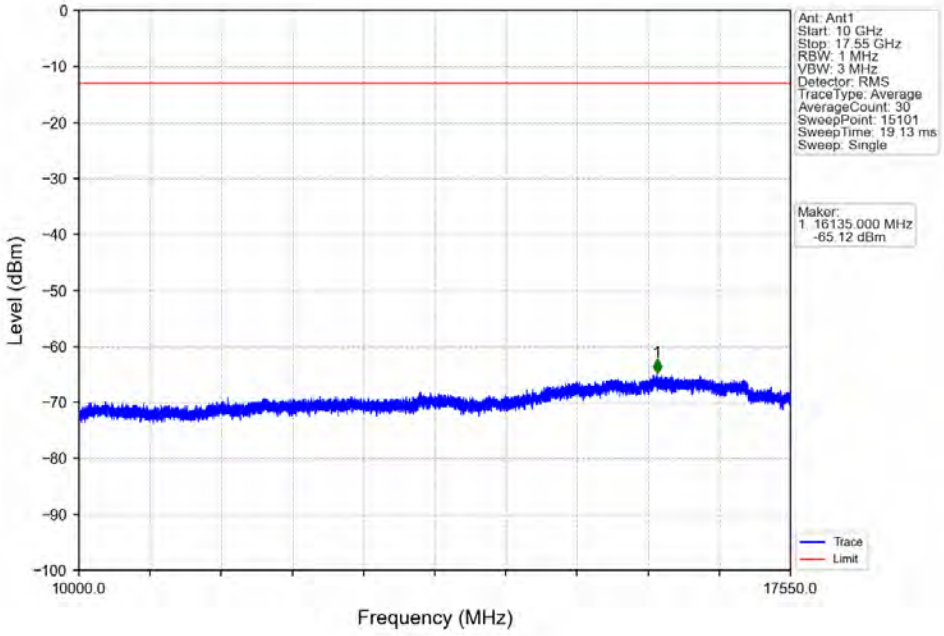
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



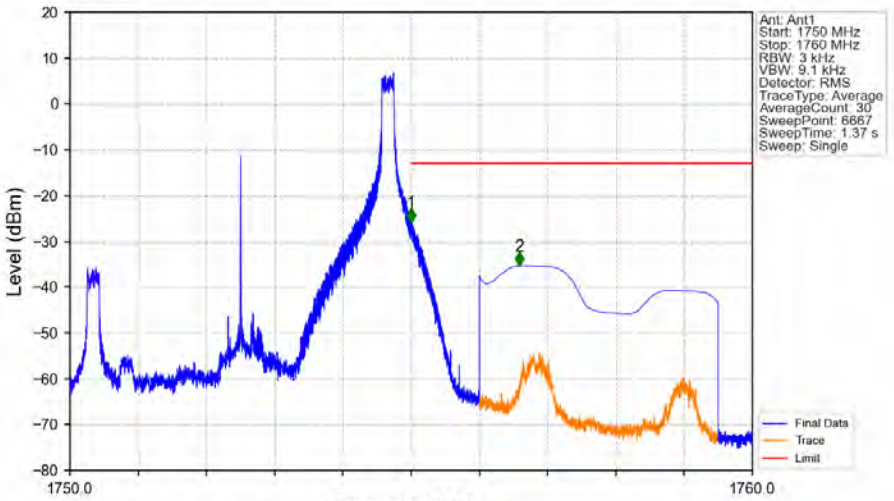
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

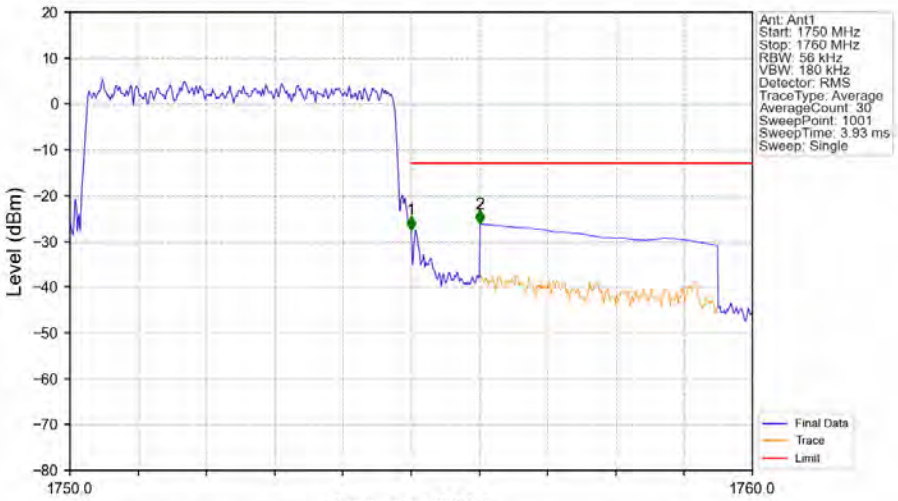


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



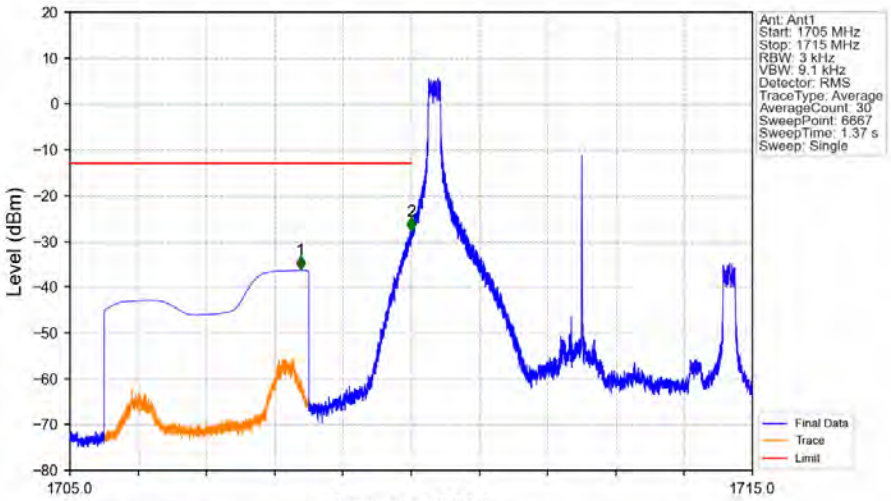
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-25.84	-13	Pass
1756	1760	1	CHP	2	1756.581	-35.34	-13	Pass

Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



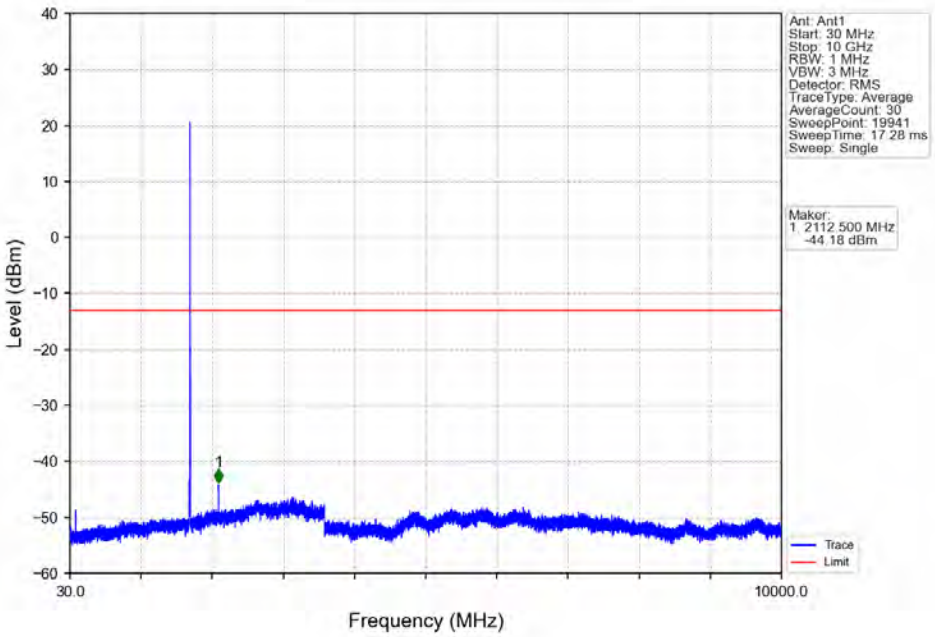
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.056	/	/	/	/	/	/
1755	1756	0.056	/	1	1755.000	-27.53	-13	Pass
1756	1760	1	CHP	2	1756.010	-26.28	-13	Pass

Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

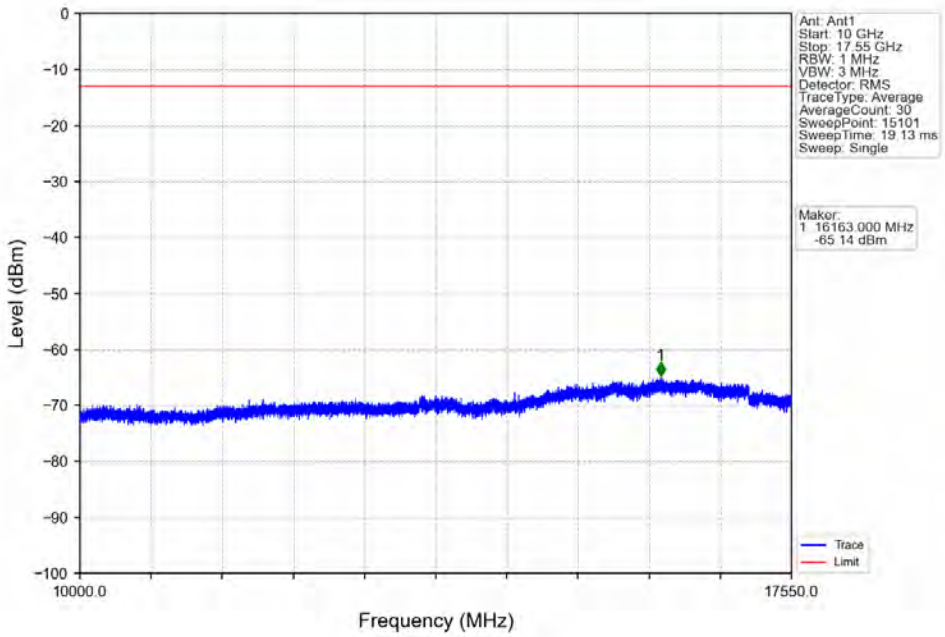


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.378	-36.34	-13	Pass
1709	1710	0.003	/	2	1710.000	-27.77	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

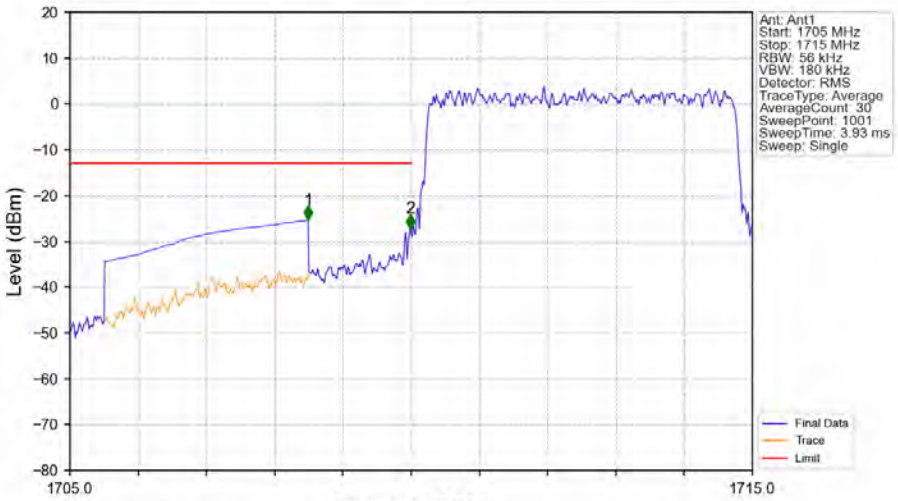
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

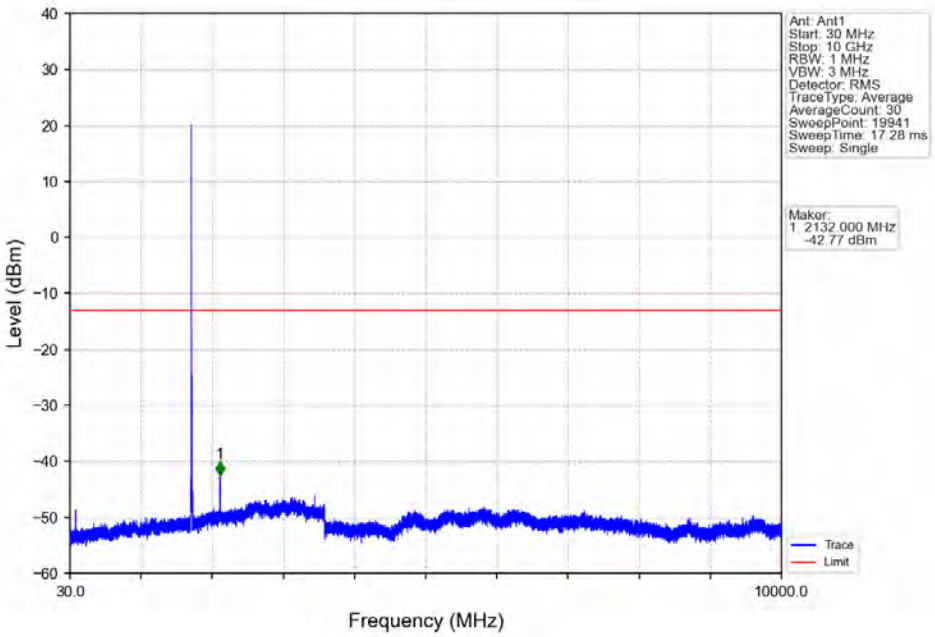


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

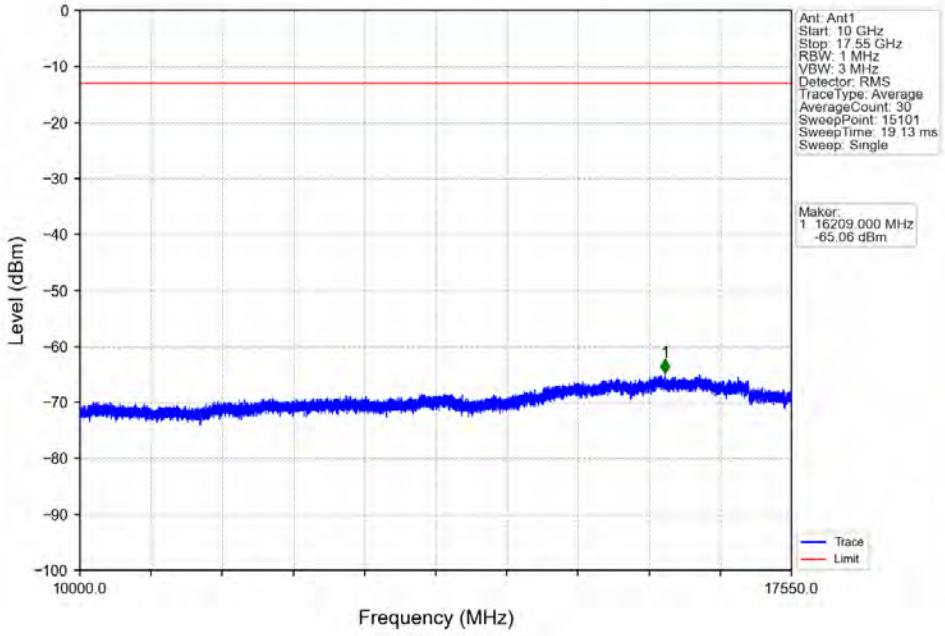


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-25.31	-13	Pass
1709	1710	0.056	/	2	1709.990	-27.19	-13	Pass
1710	1715	0.056	/	/	/	/	/	/

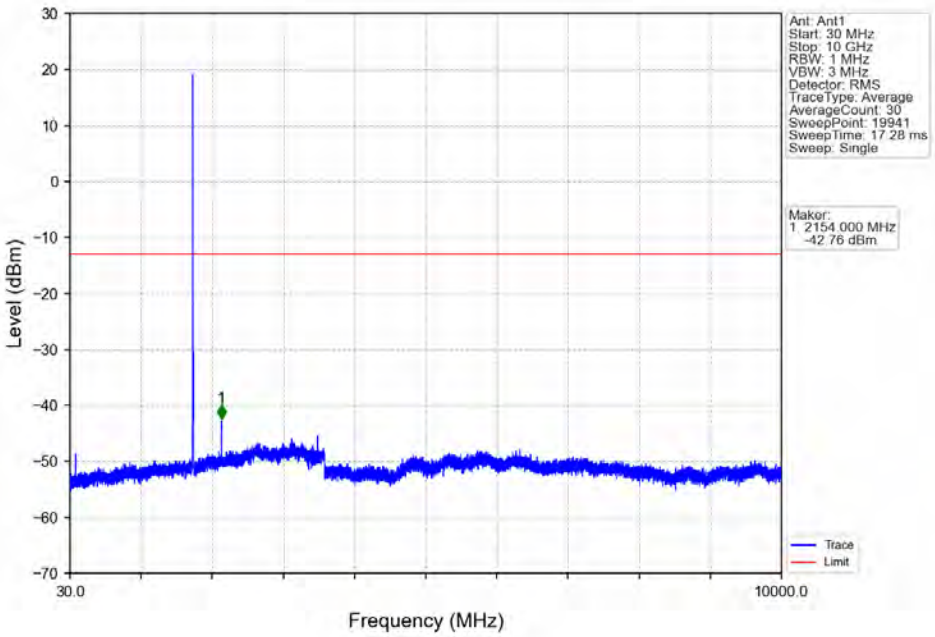
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



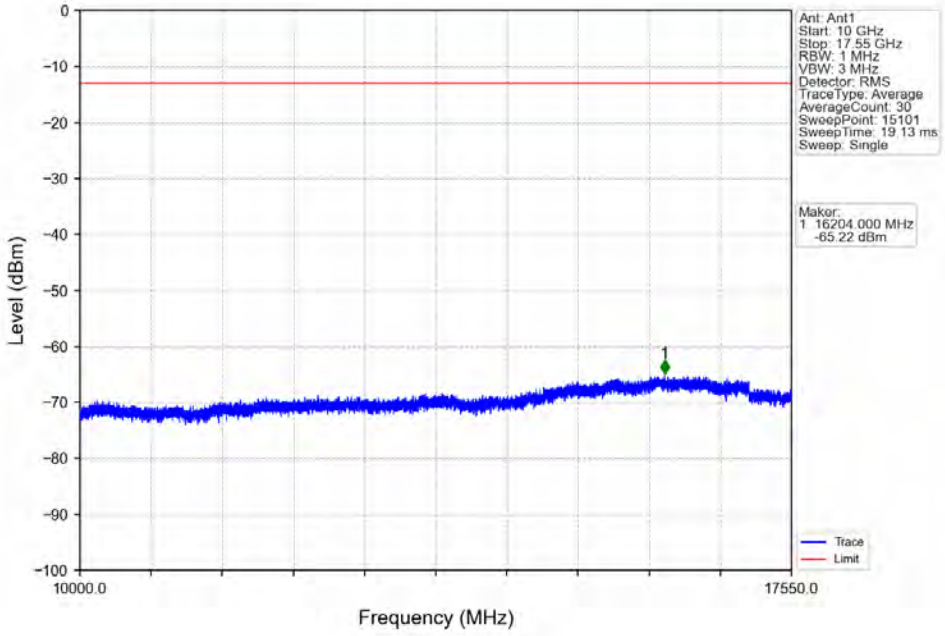
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



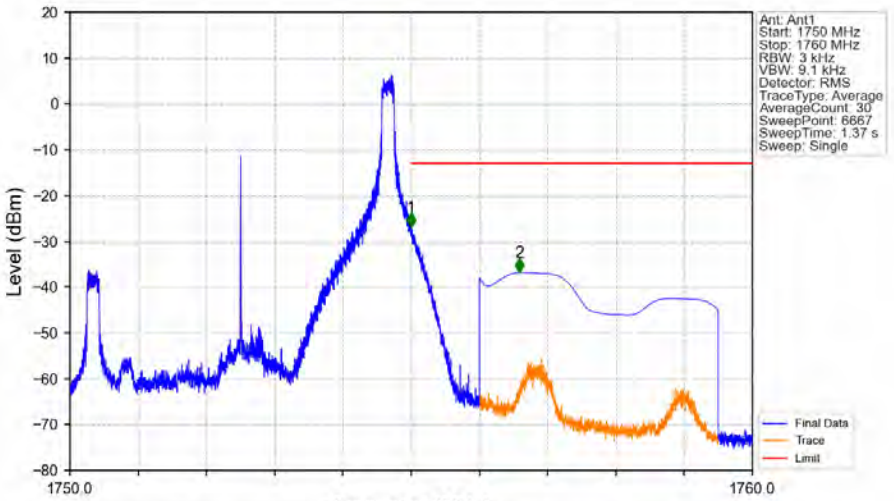
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV

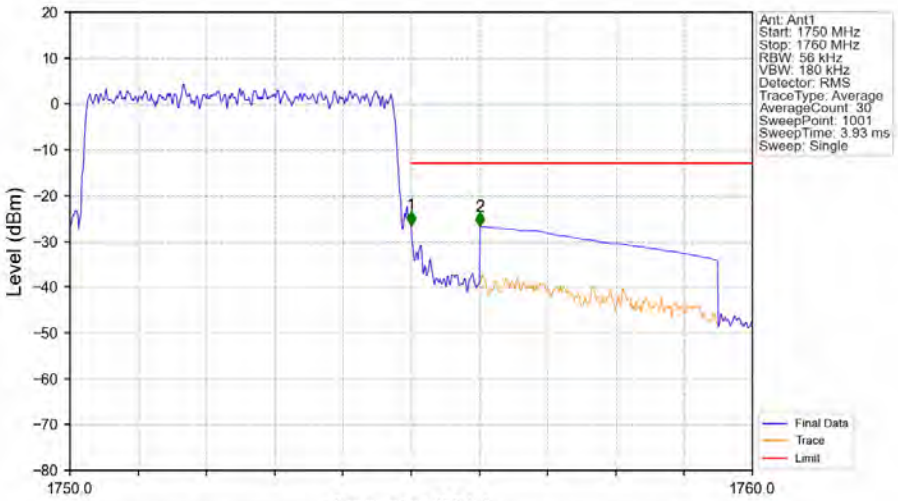


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_24_NTNV



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	-26.99	-13	Pass
1756	1760	1	CHP	2	1756.583	-36.81	-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	1755.000	-26.48	-13	Pass
1756	1760	1	CHP	2	1756.010	-26.80	-13	Pass

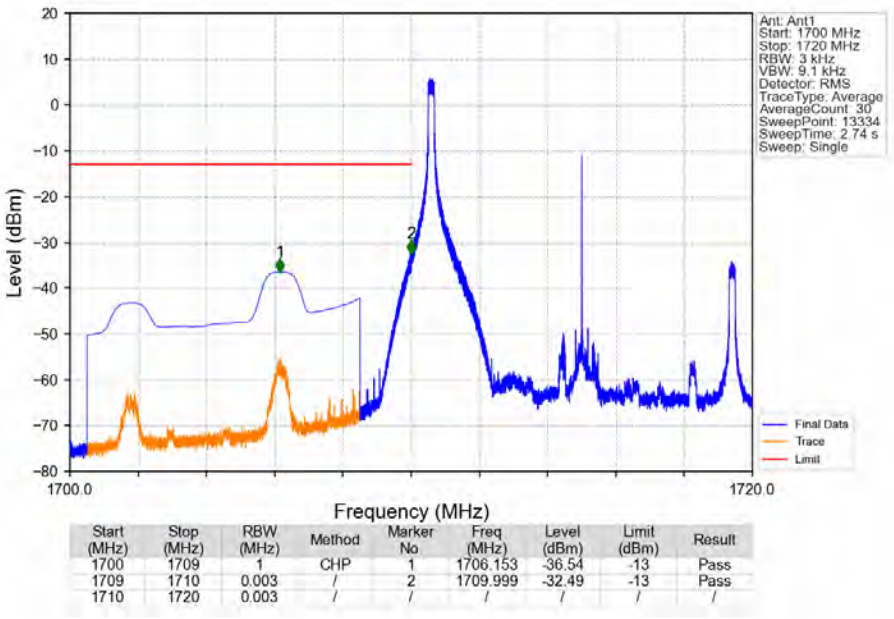
6.4 B4_10MHz

6.4.1 Test Result

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

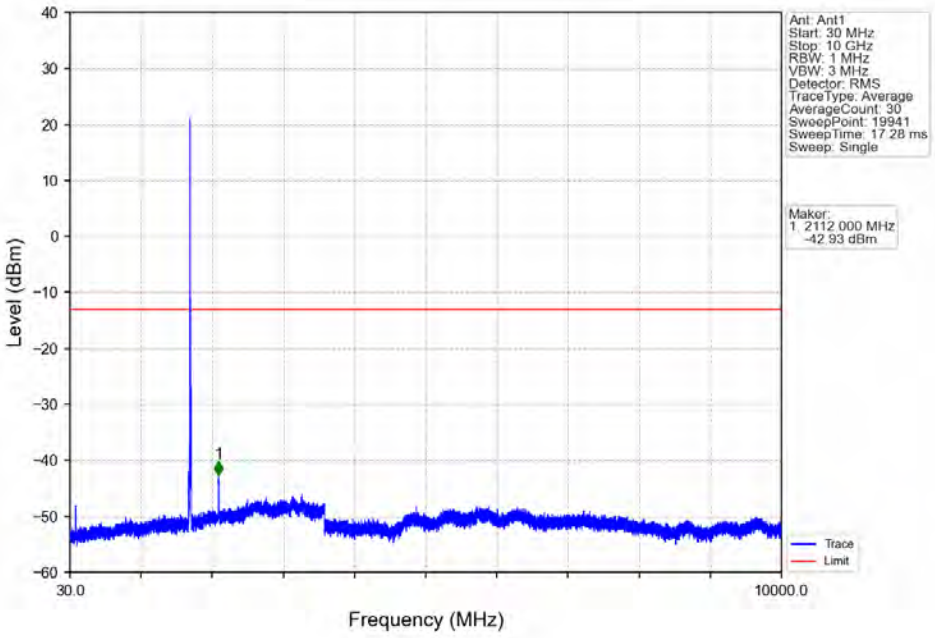
6.4.2 Test Graph

Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

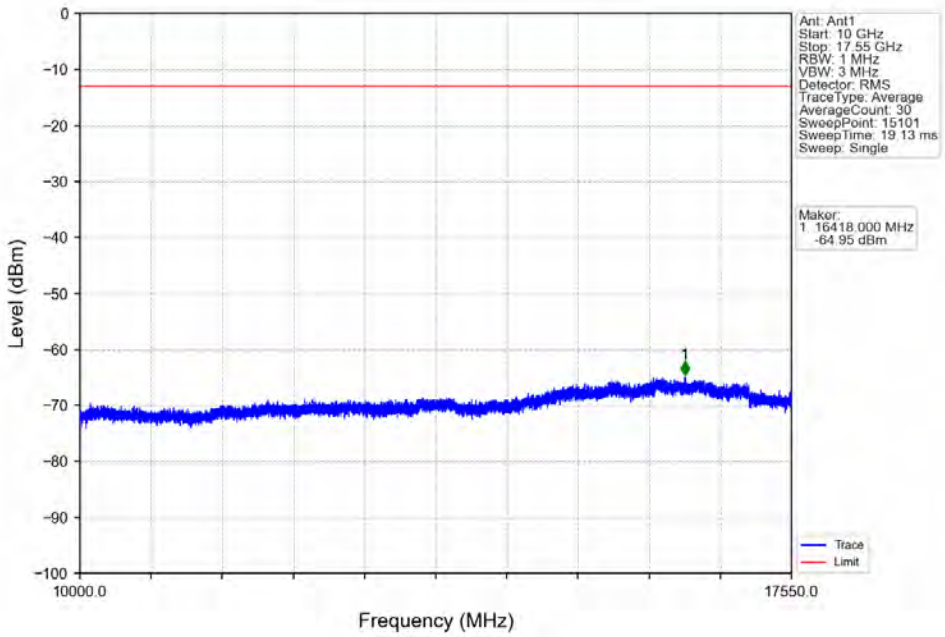


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1706.153	-36.54	-13	Pass
1709	1710	0.003	/	2	1709.999	-32.49	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

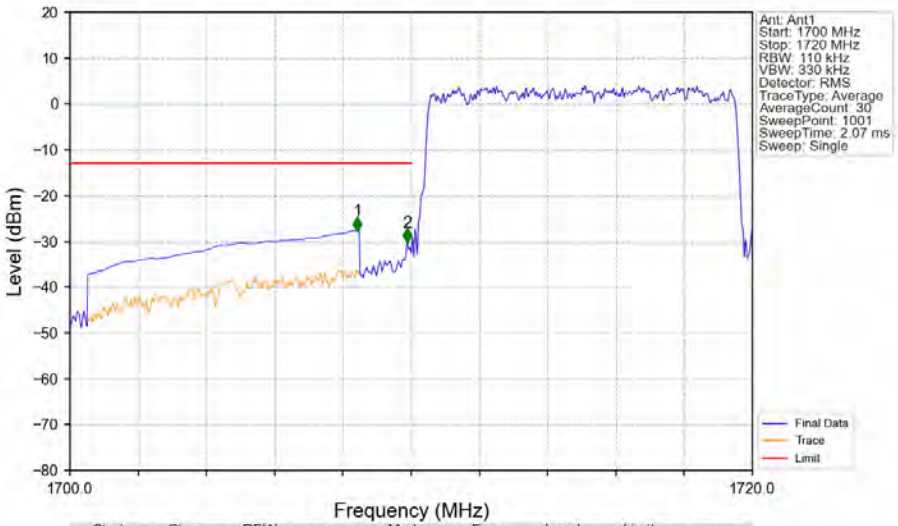
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

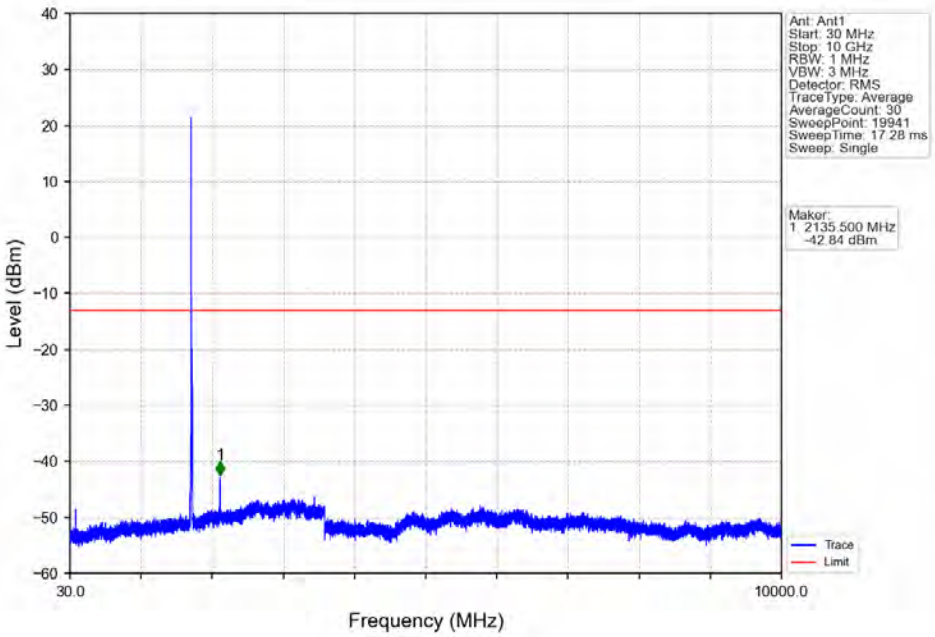


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

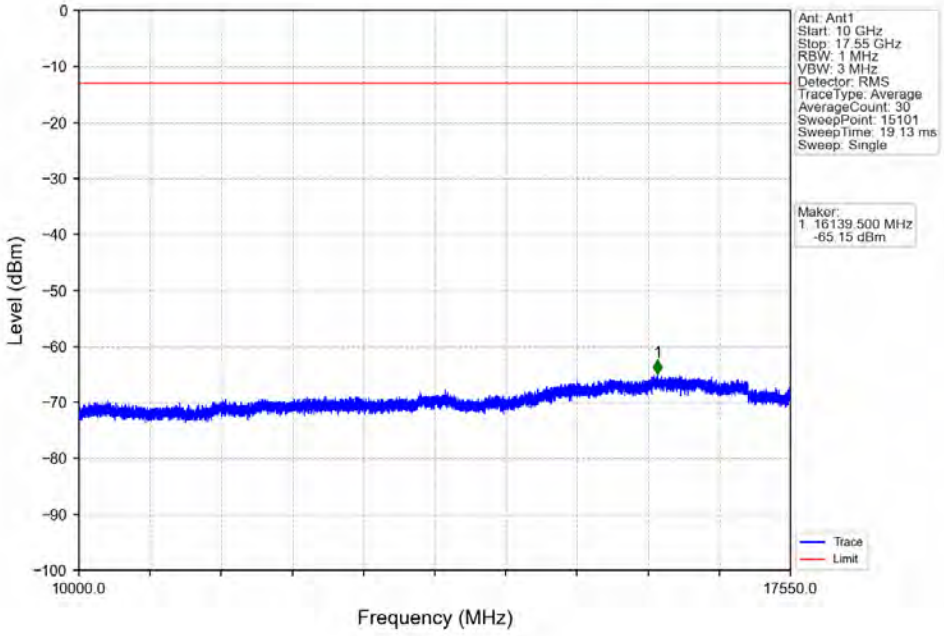


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.420	-27.70	-13	Pass
1709	1710	0.11	/	2	1709.880	-30.21	-13	Pass
1710	1720	0.11	/	/	/	/	/	/

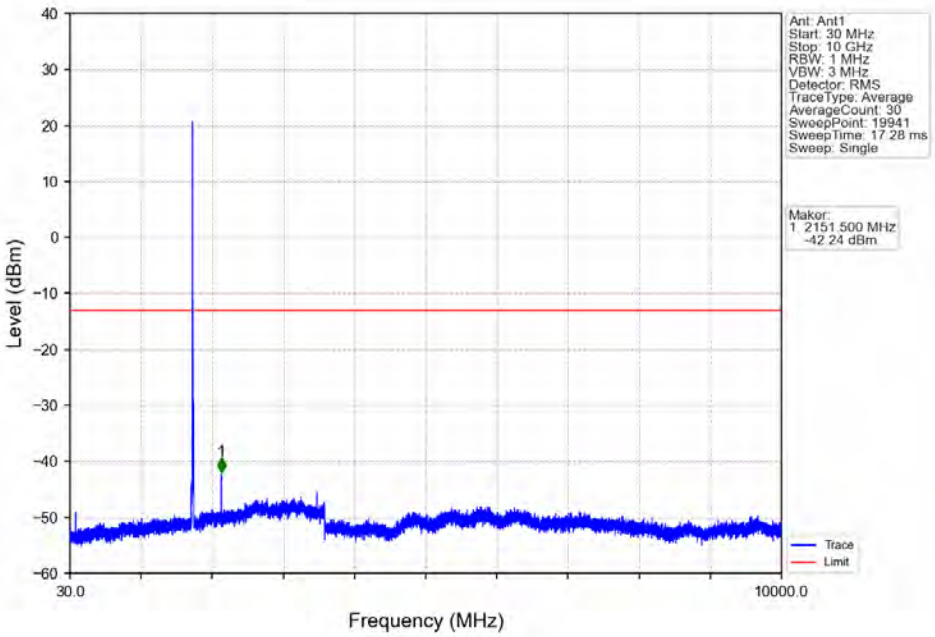
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



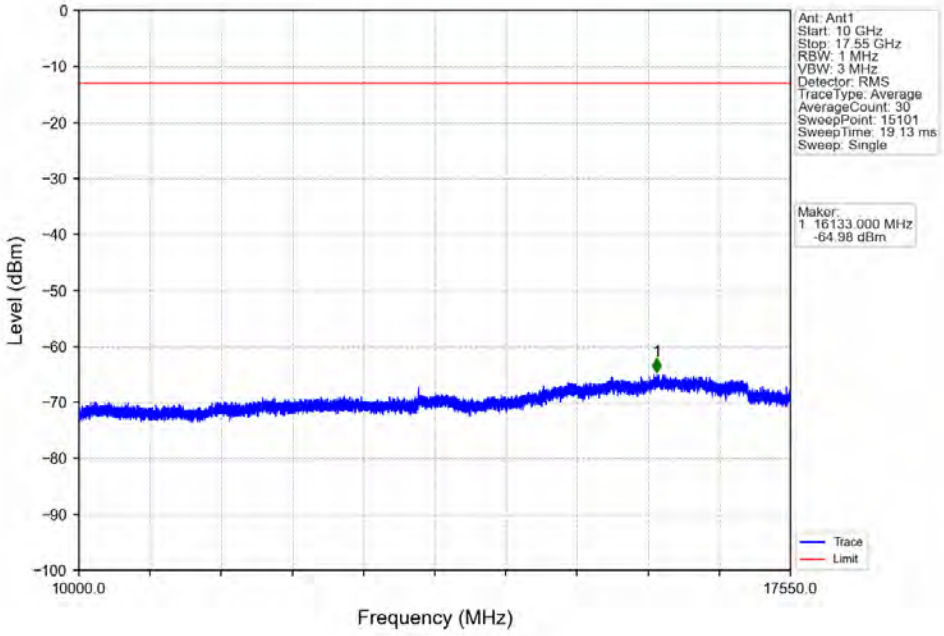
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



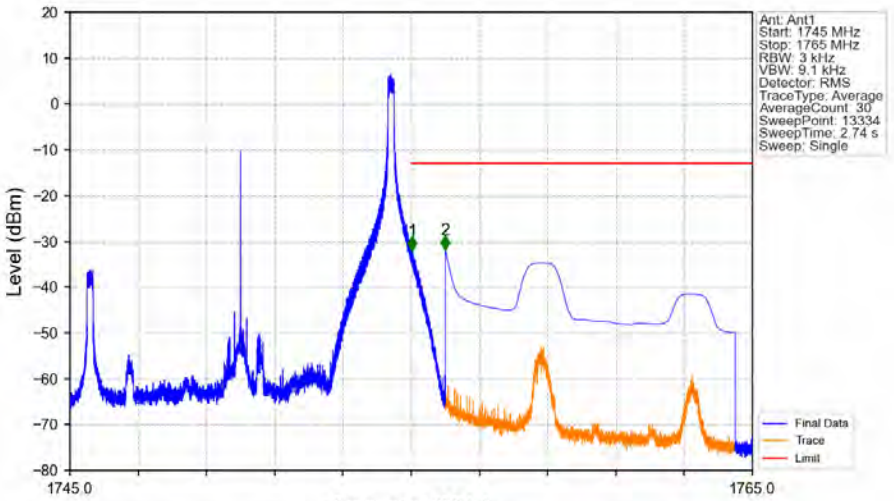
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV

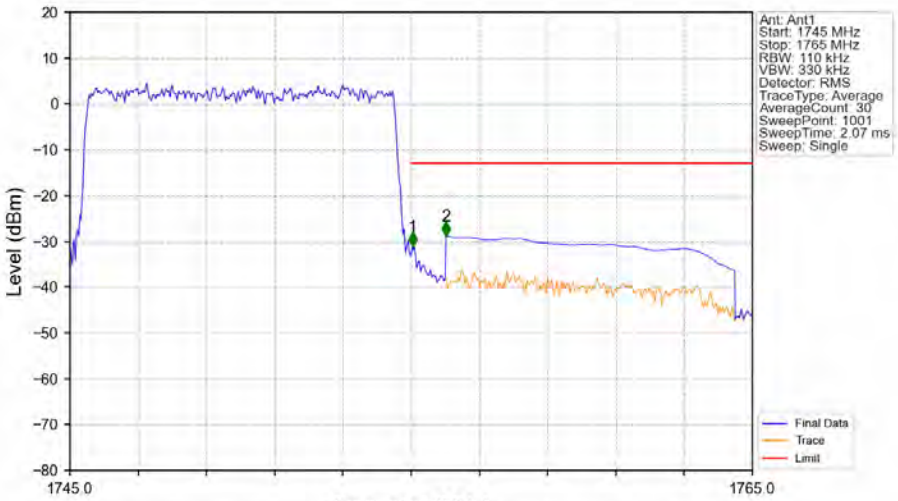


Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



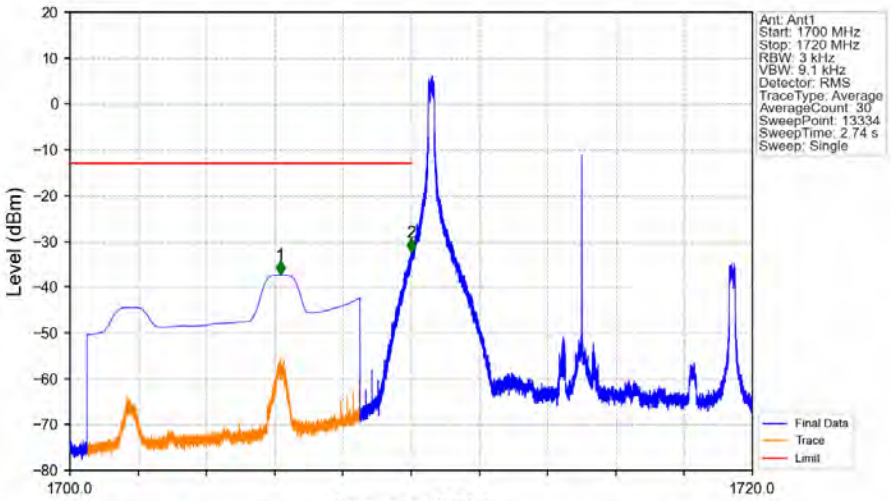
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.028	-31.98	-13	Pass
1756	1765	1	CHP	2	1756.001	-31.80	-13	Pass

Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



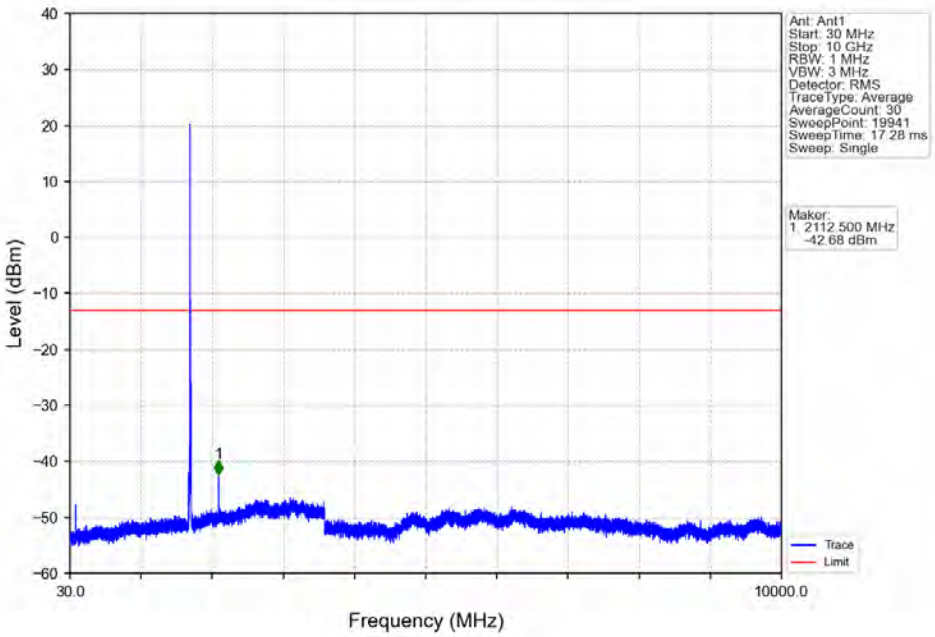
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.11	/	/	/	/	/	/
1755	1756	0.11	/	1	1755.040	-31.13	-13	Pass
1756	1765	1	CHP	2	1756.020	-28.83	-13	Pass

Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

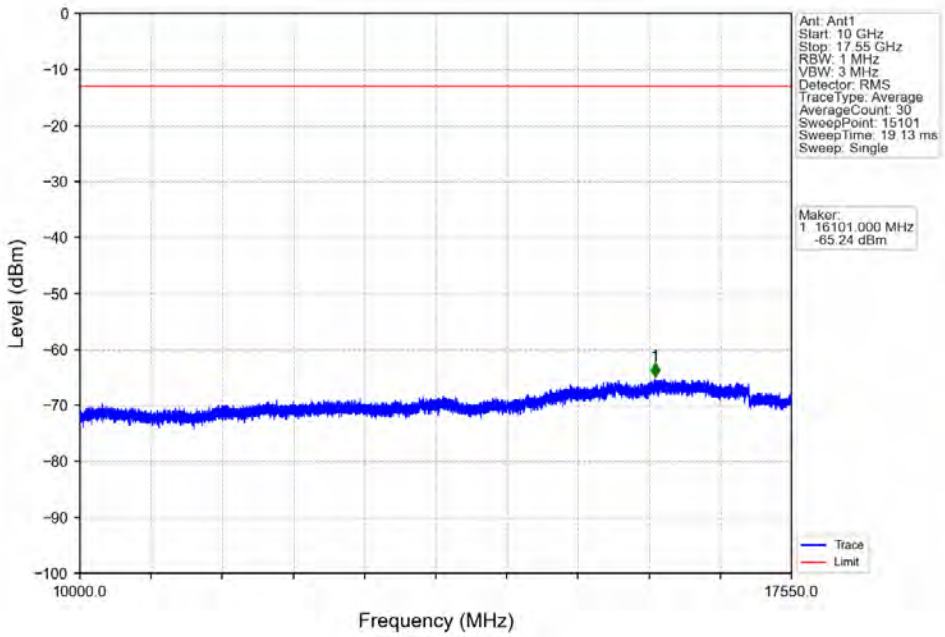


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1706.167	-37.38	-13	Pass
1709	1710	0.003	/	2	1709.999	-32.33	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

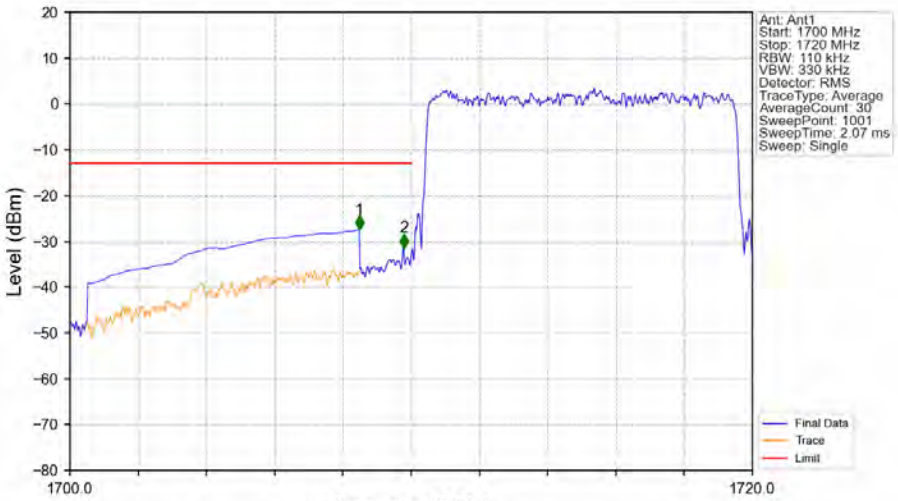
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

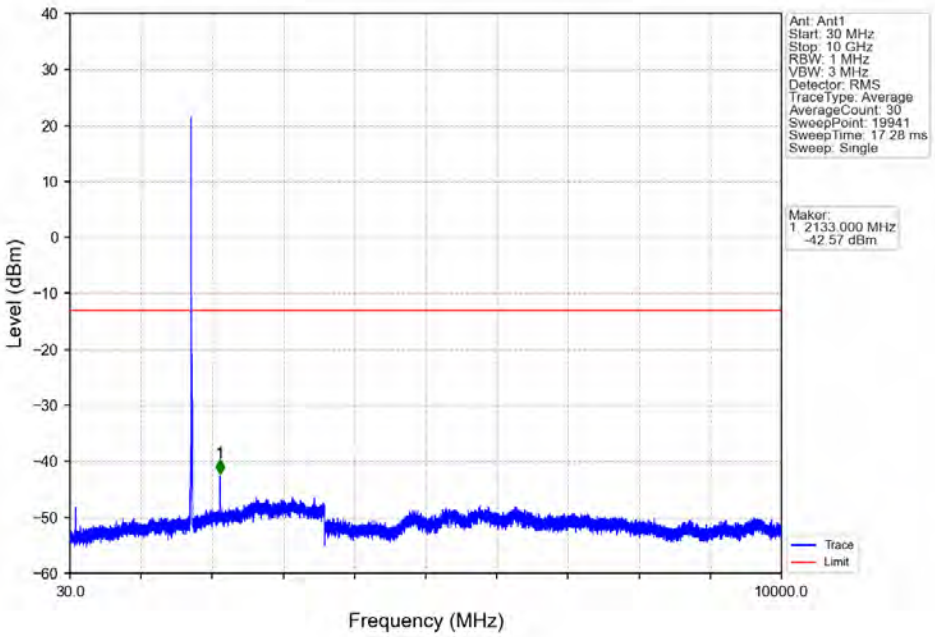


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

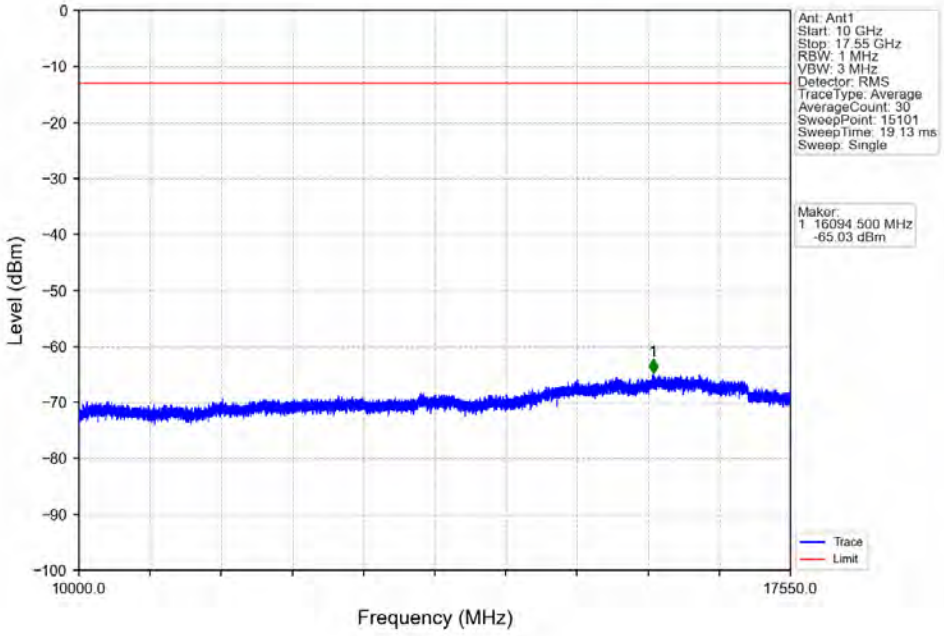


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-27.46	-13	Pass
1709	1710	0.11	/	2	1709.780	-31.44	-13	Pass
1710	1720	0.11	/	/	/	/	/	/

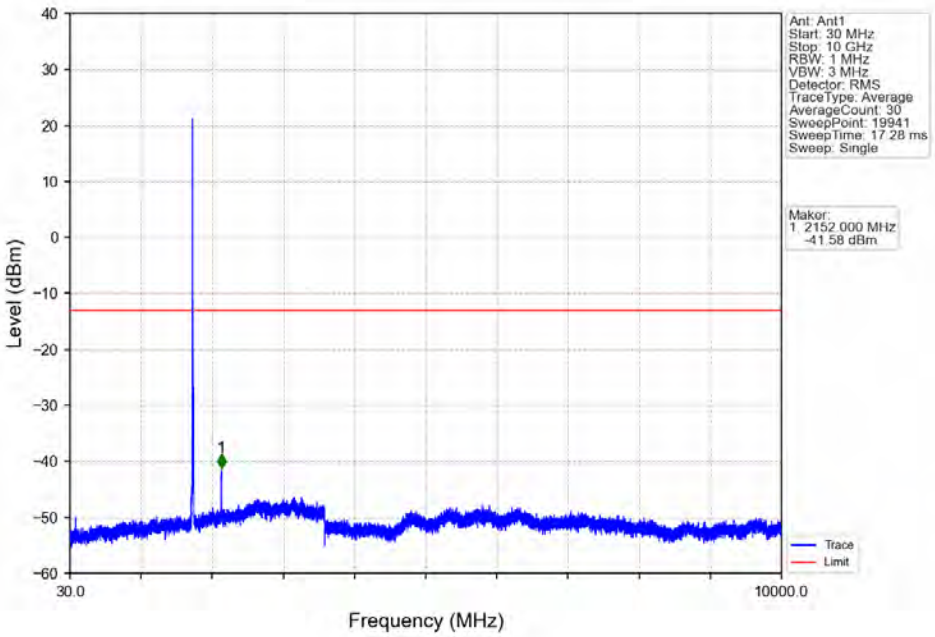
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



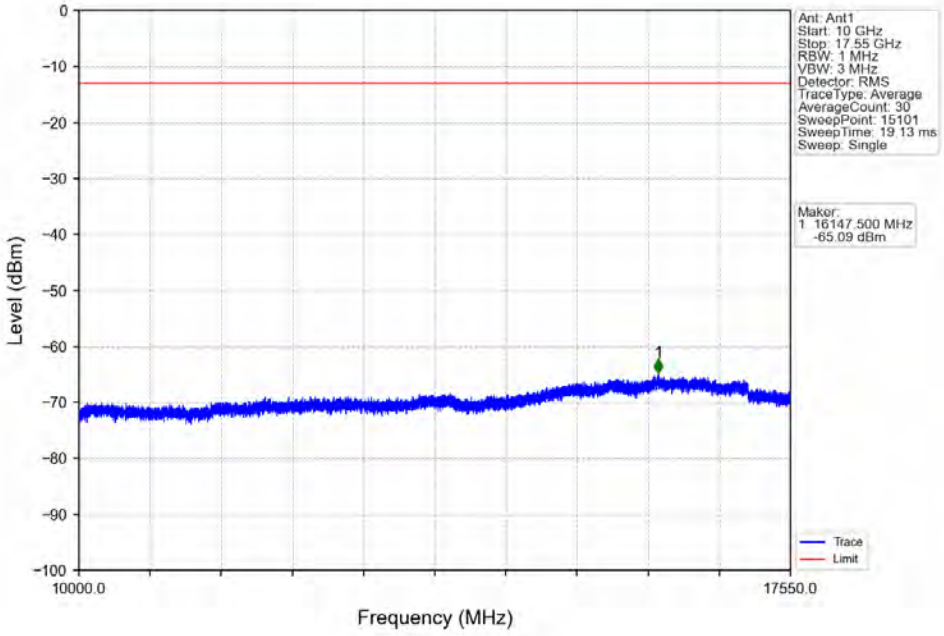
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



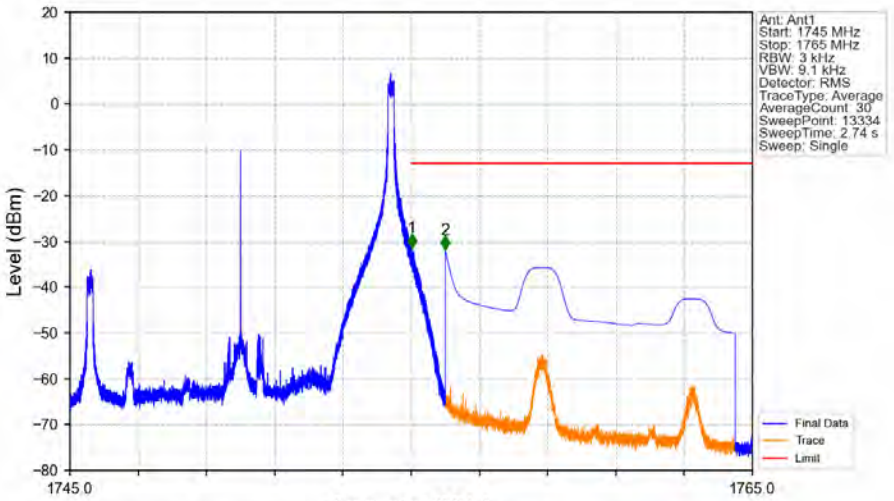
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV

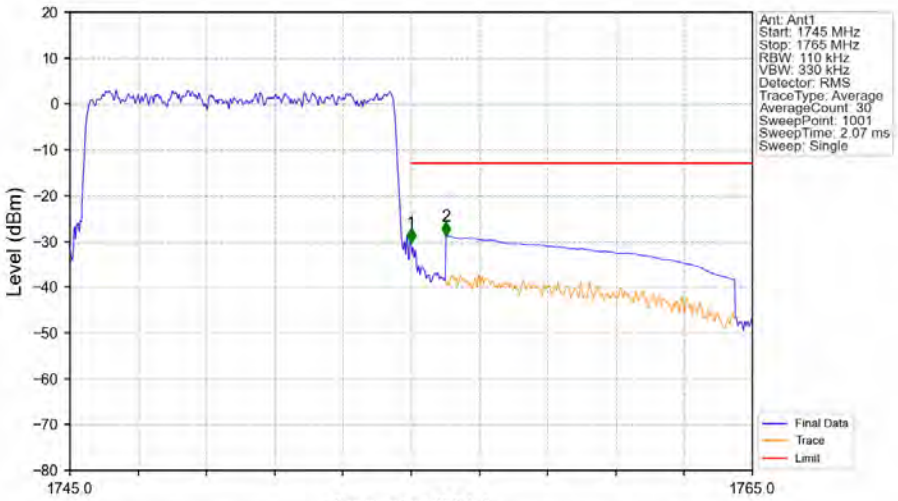


Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.016	-31.42	-13	Pass
1756	1765	1	CHP	2	1756.001	-31.92	-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	1755.000	-30.28	-13	Pass
1756	1765	1	CHP	2	1756.020	-28.87	-13	Pass

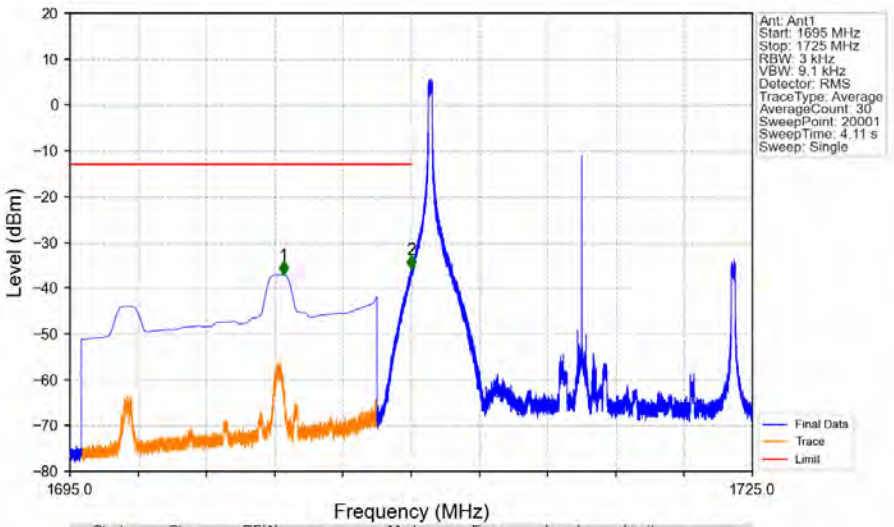
6.5 B4_15MHz

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

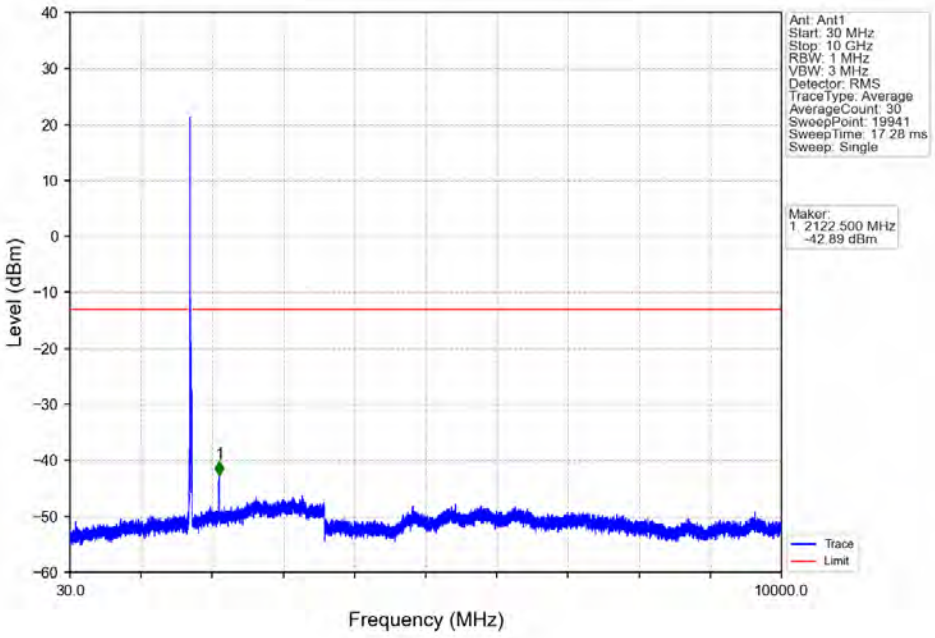
6.5.2 Test Graph

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

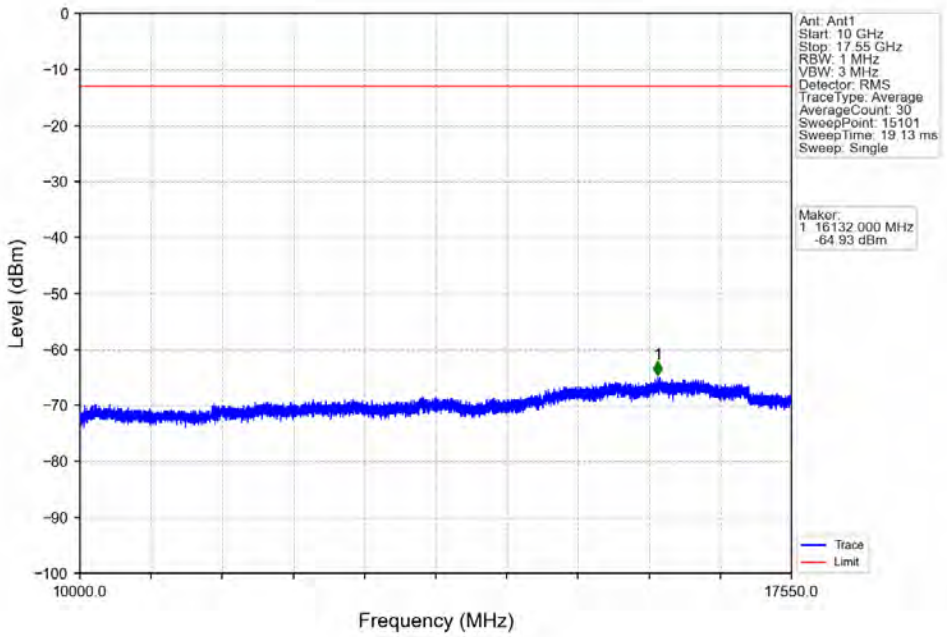


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1704.390	-37.11	-13	Pass
1709	1710	0.003	/	2	1709.995	-35.94	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

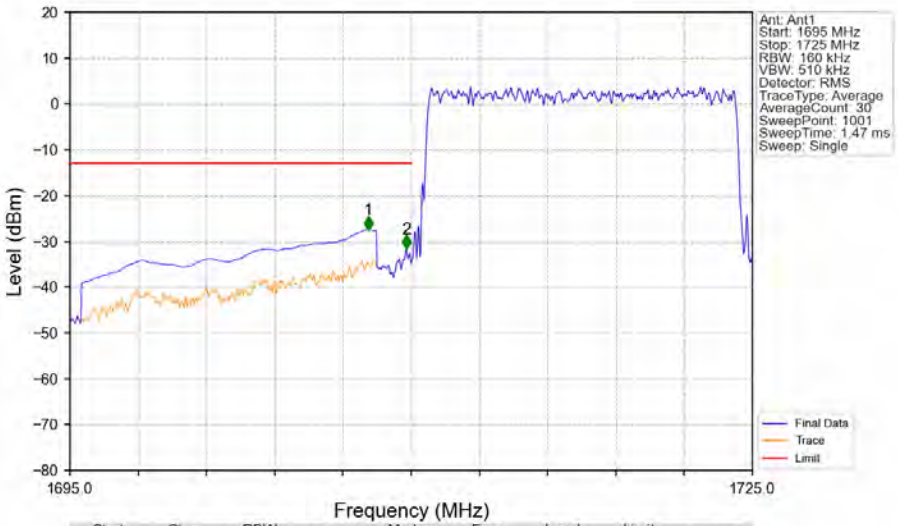
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

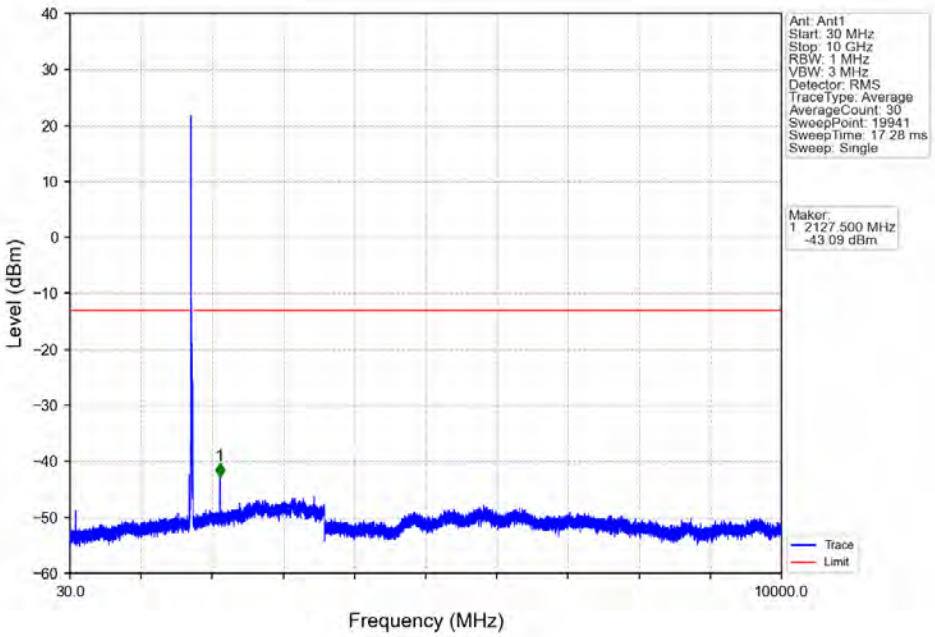


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

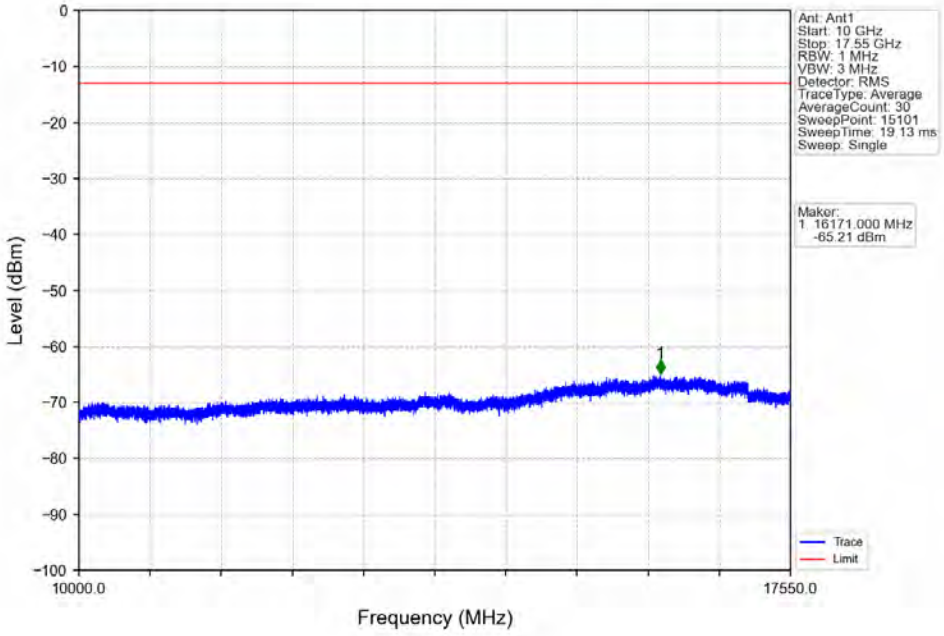


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.110	-27.53	-13	Pass
1709	1710	0.16	/	2	1709.790	-31.66	-13	Pass
1710	1725	0.16	/	/	/	/	/	/

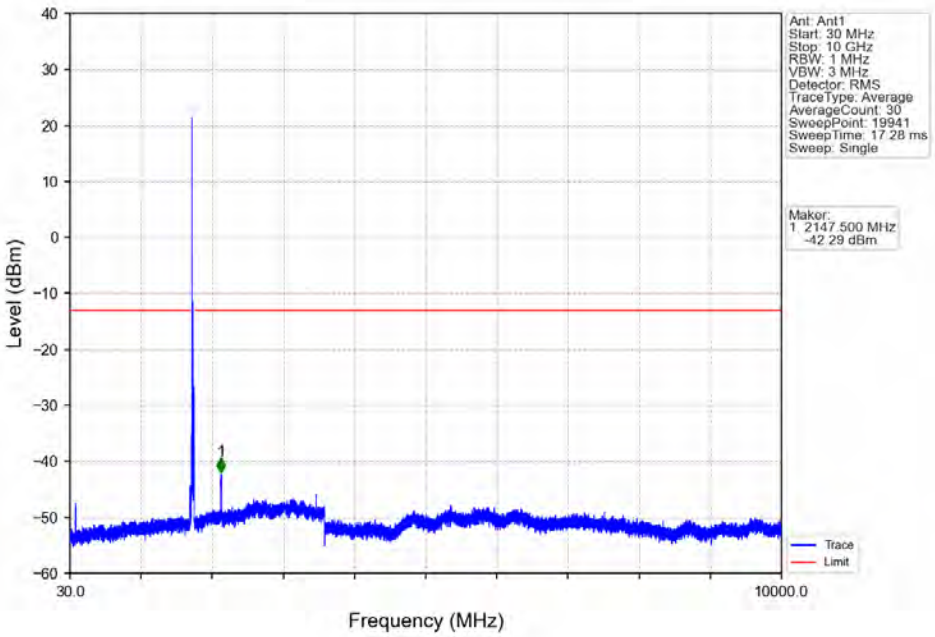
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



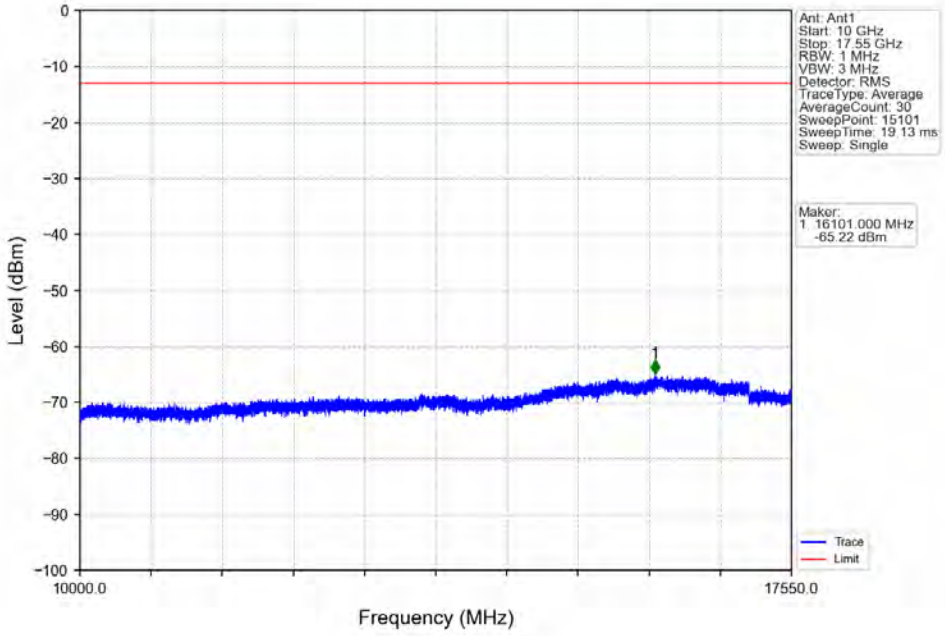
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



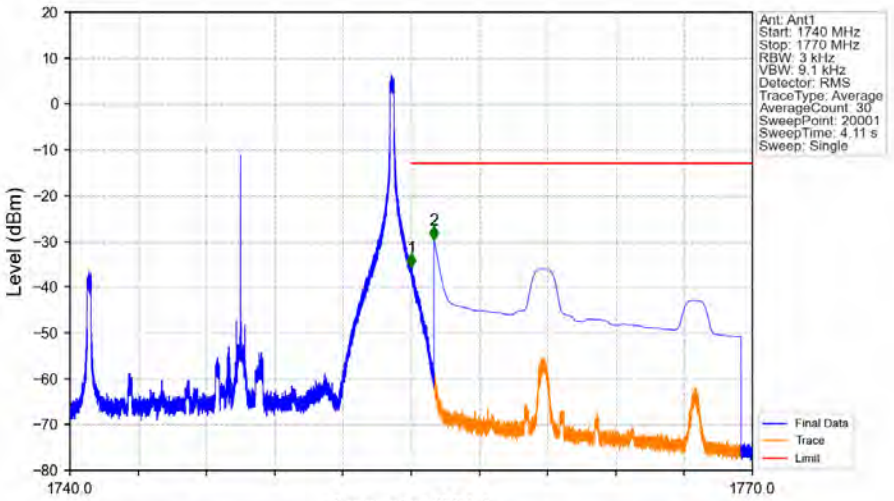
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV

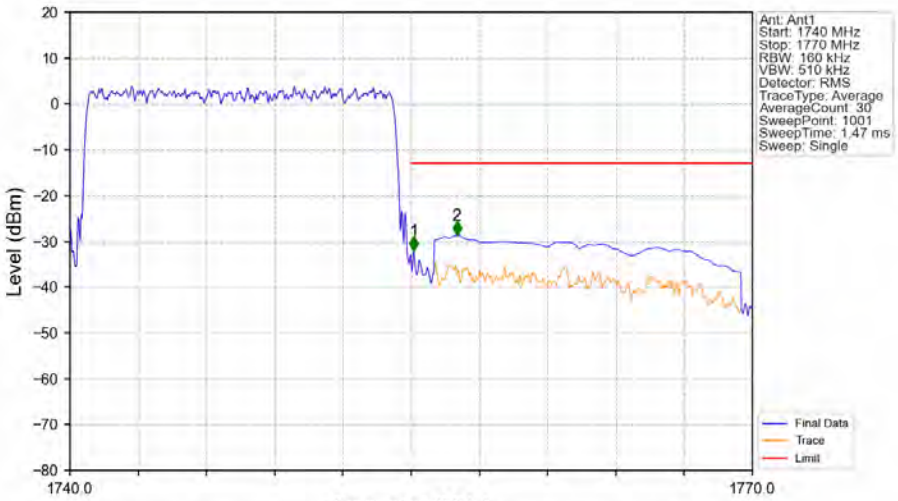


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



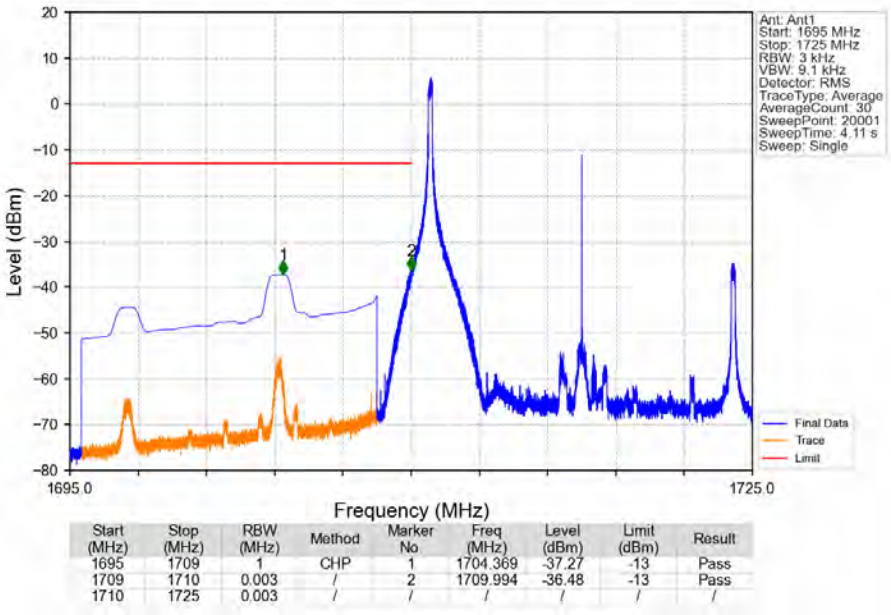
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.006	-35.71	-13	Pass
1756	1770	1	CHP	2	1756.001	-29.72	-13	Pass

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



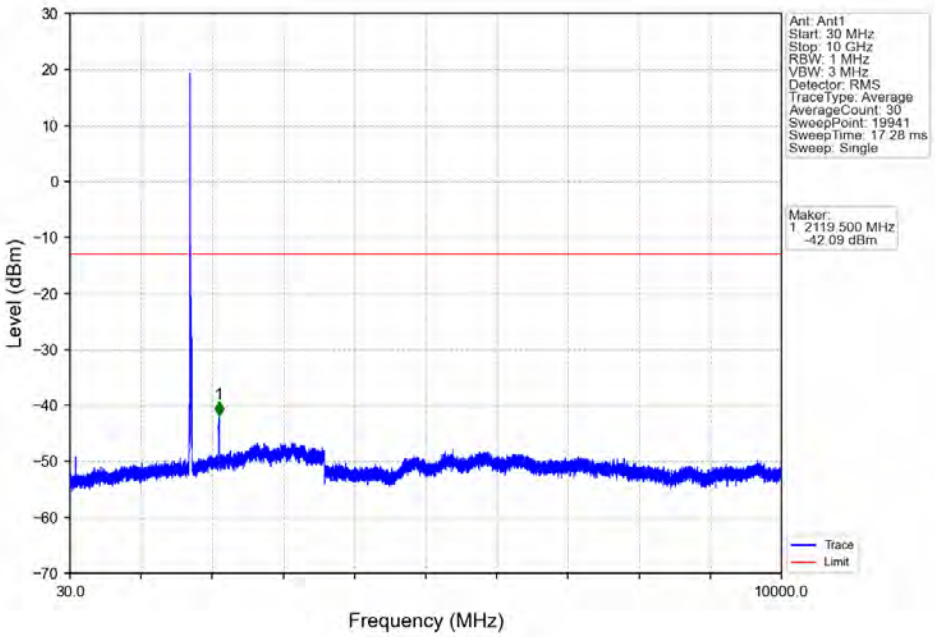
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.16	/	/	/	/	/	/
1755	1756	0.16	/	1	1755.120	-32.04	-13	Pass
1756	1770	1	CHP	2	1757.010	-28.68	-13	Pass

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

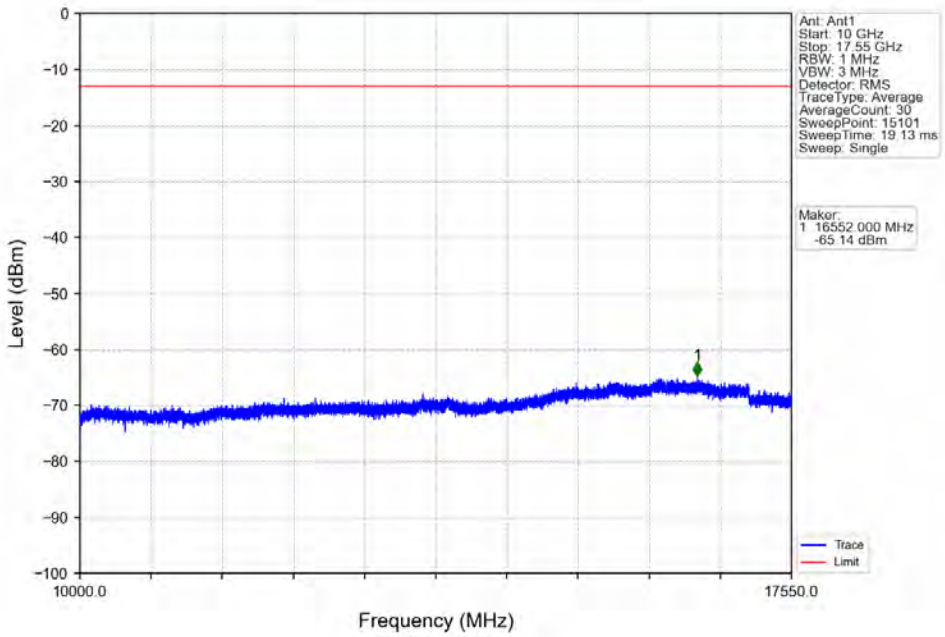


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1704.369	-37.27	-13	Pass
1709	1710	0.003	/	2	1709.994	-36.48	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

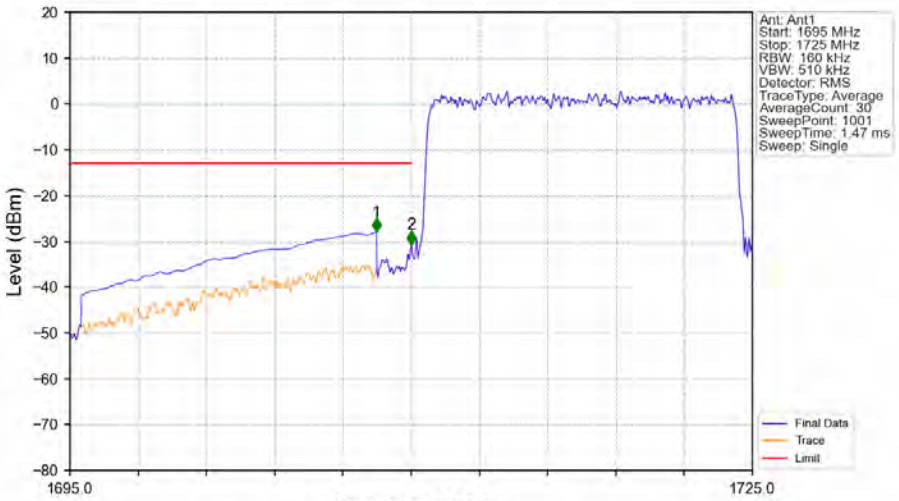
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

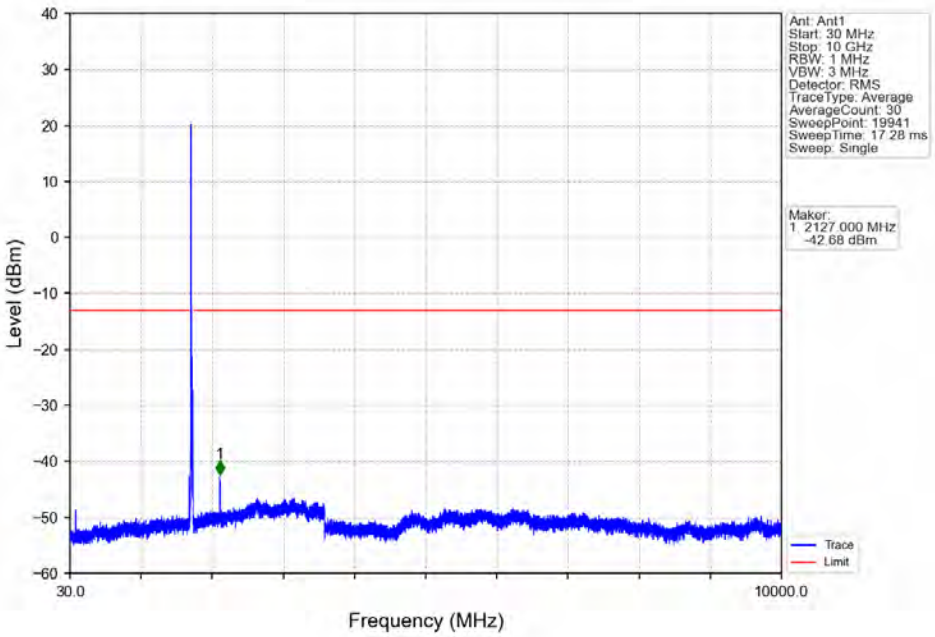


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

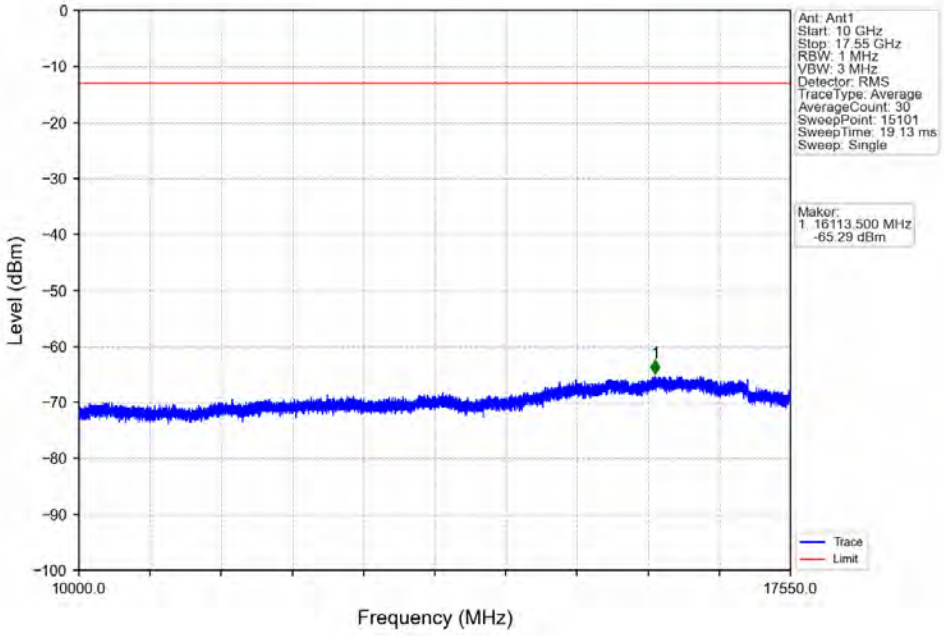


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.470	-28.01	-13	Pass
1709	1710	0.16	/	2	1710.000	-30.71	-13	Pass
1710	1725	0.16	/	/	/	/	/	/

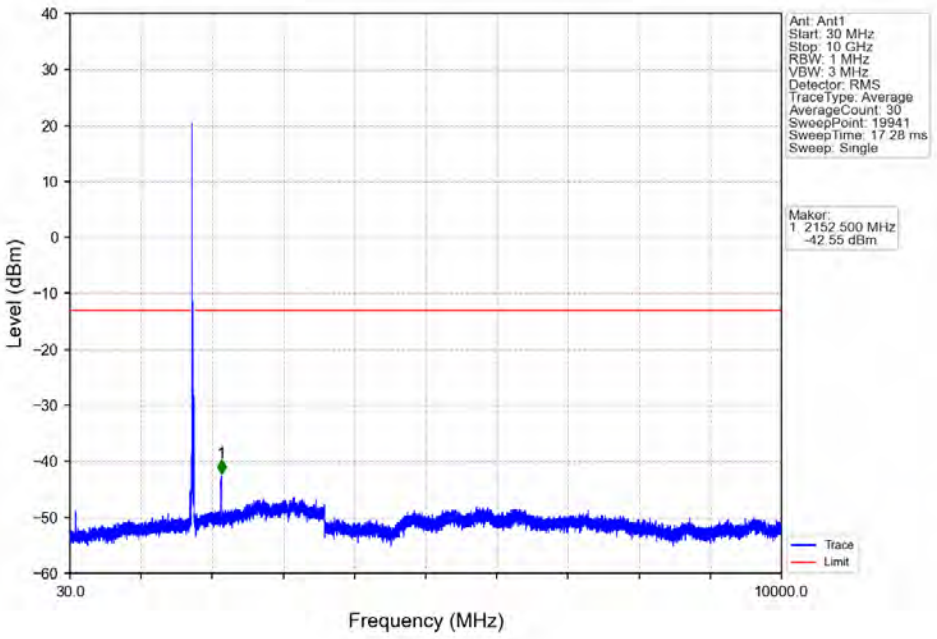
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



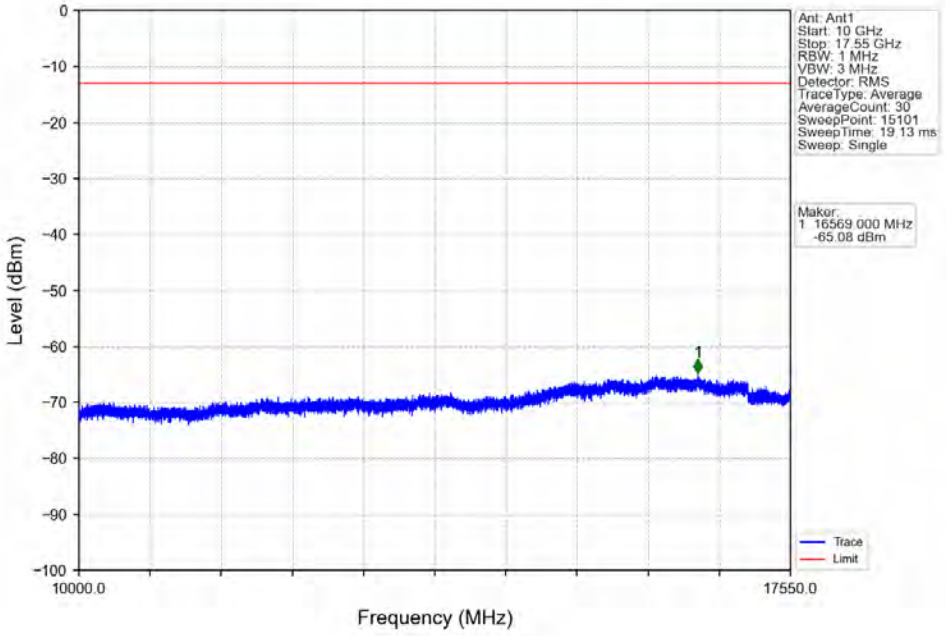
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



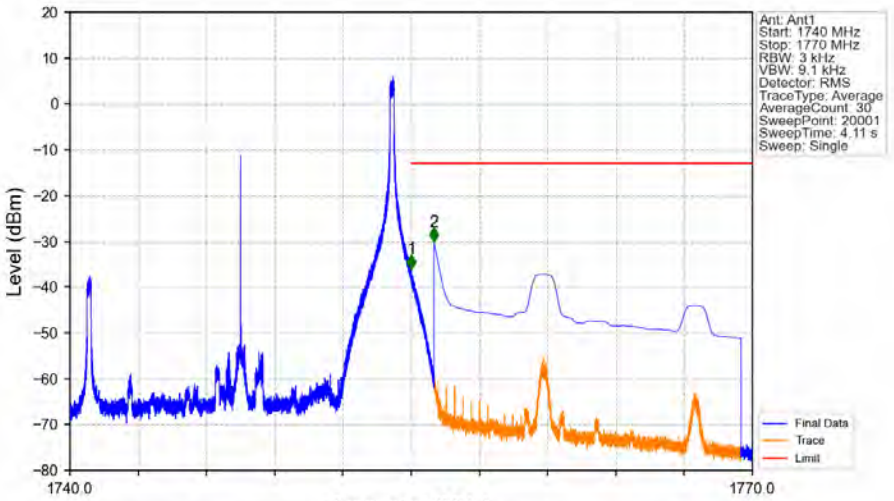
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV

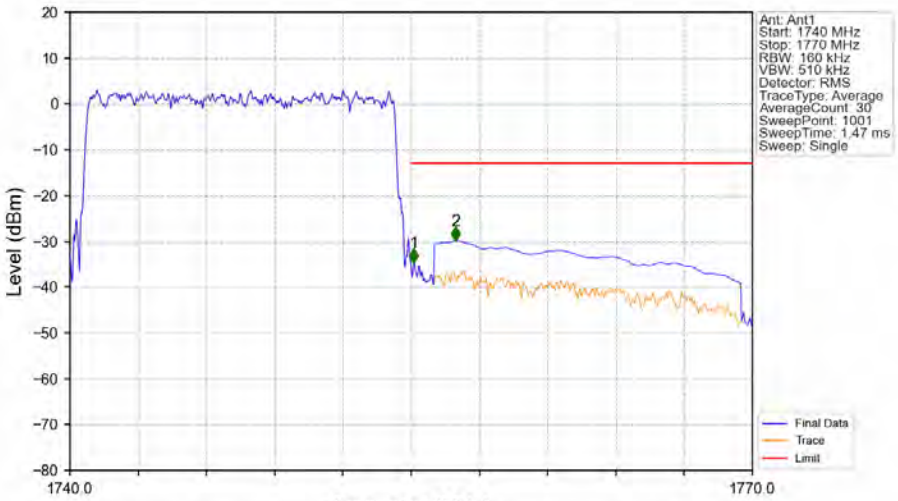


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.006	-36.00	-13	Pass
1756	1770	1	CHP	2	1756.001	-30.07	-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	1755.120	-34.67	-13	Pass
1756	1770	1	CHP	2	1756.950	-29.90	-13	Pass

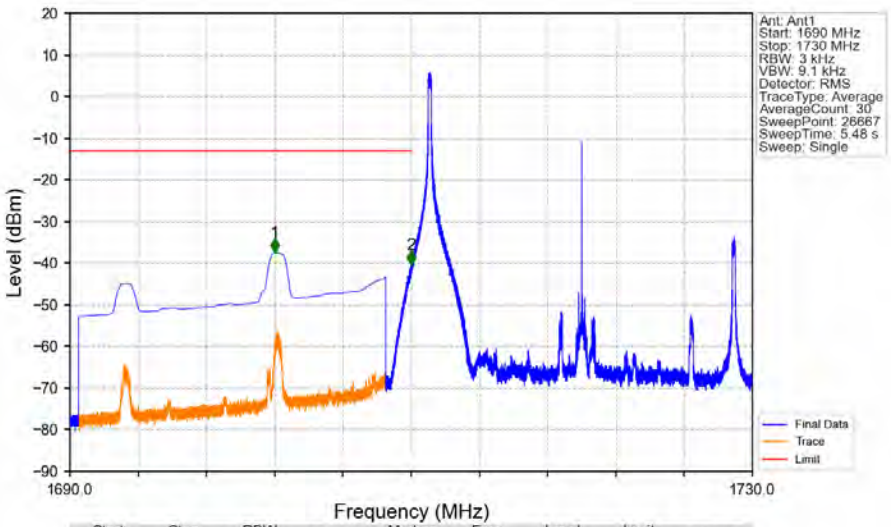
6.6 B4_20MHz

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

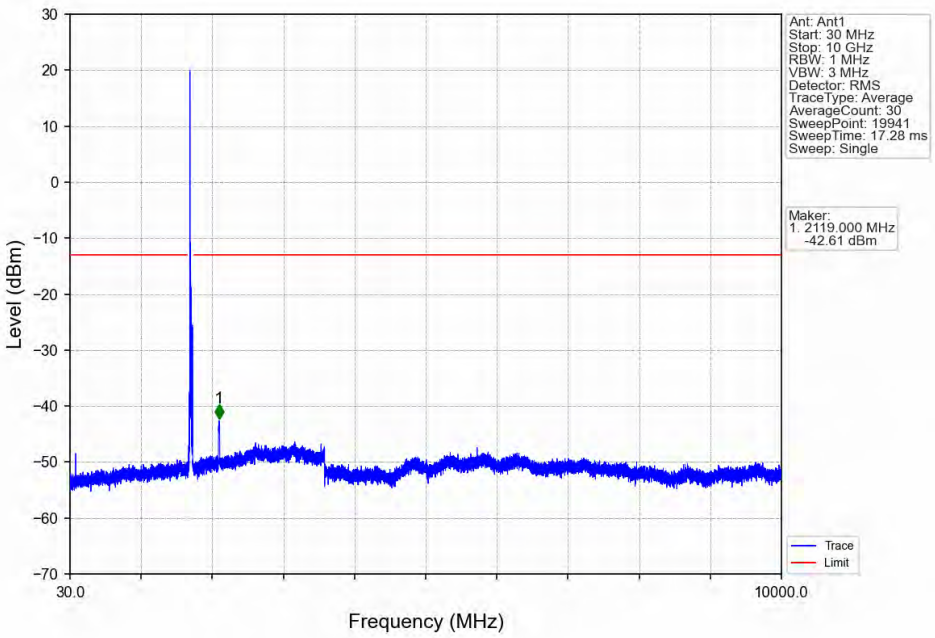
6.6.2 Test Graph

Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

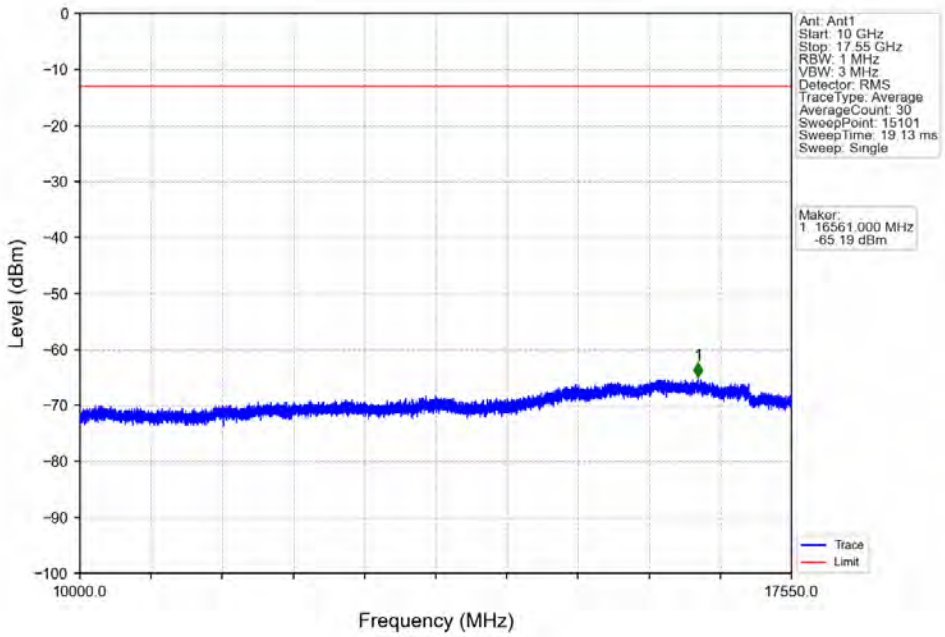


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1702.011	-37.49	-13	Pass
1709	1710	0.003	/	2	1709.995	-40.28	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

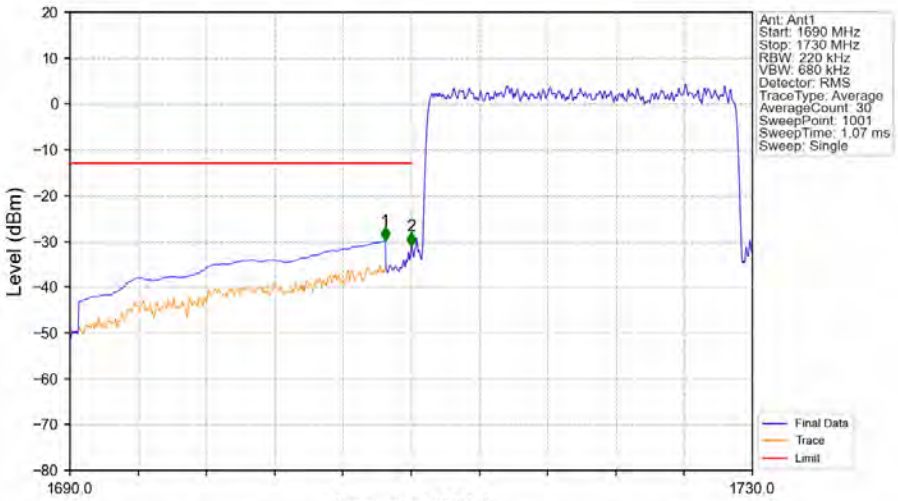
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

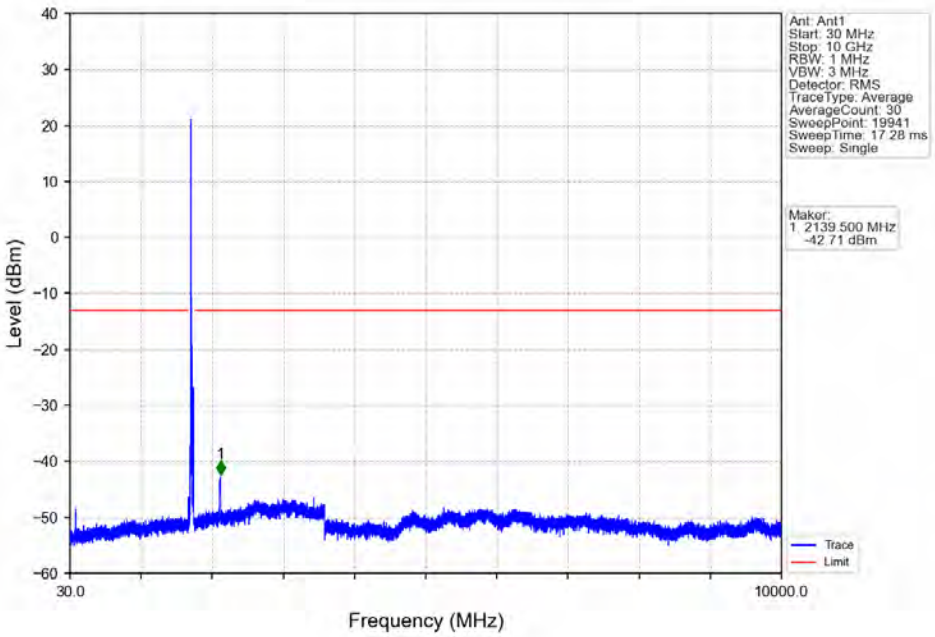


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

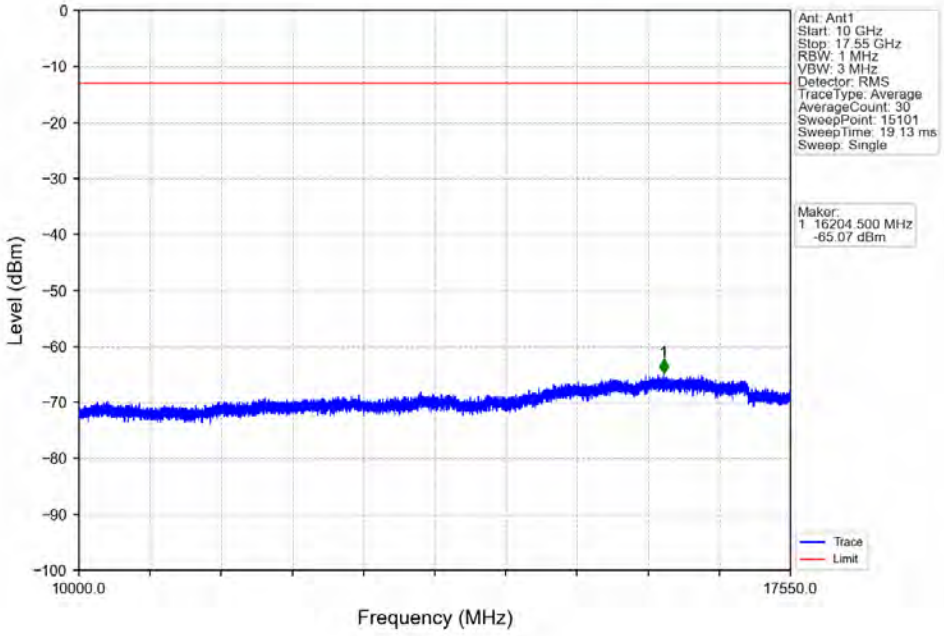


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-29.89	-13	Pass
1709	1710	0.22	/	2	1710.000	-31.07	-13	Pass
1710	1730	0.22	/	/	/	/	/	/

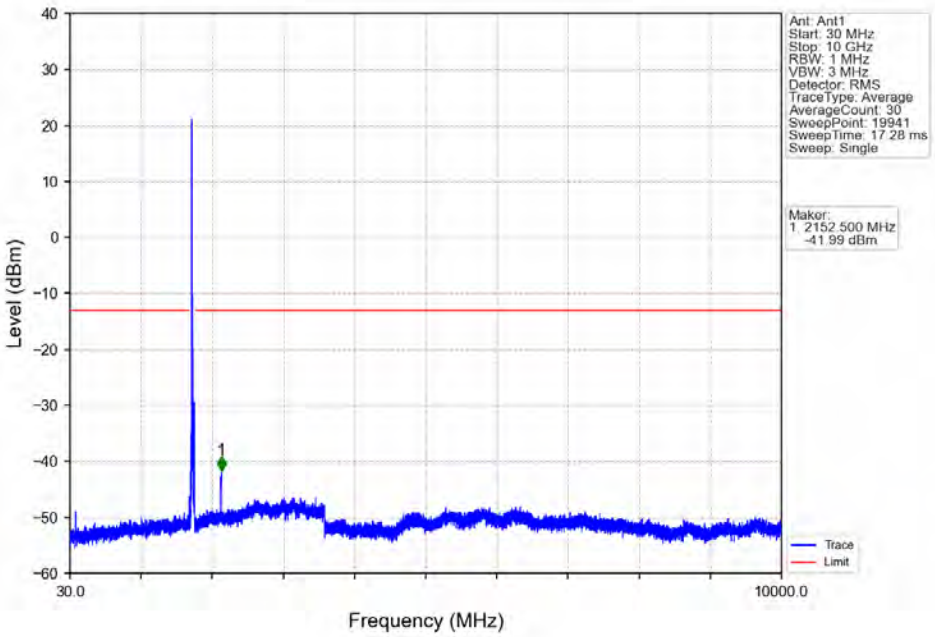
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



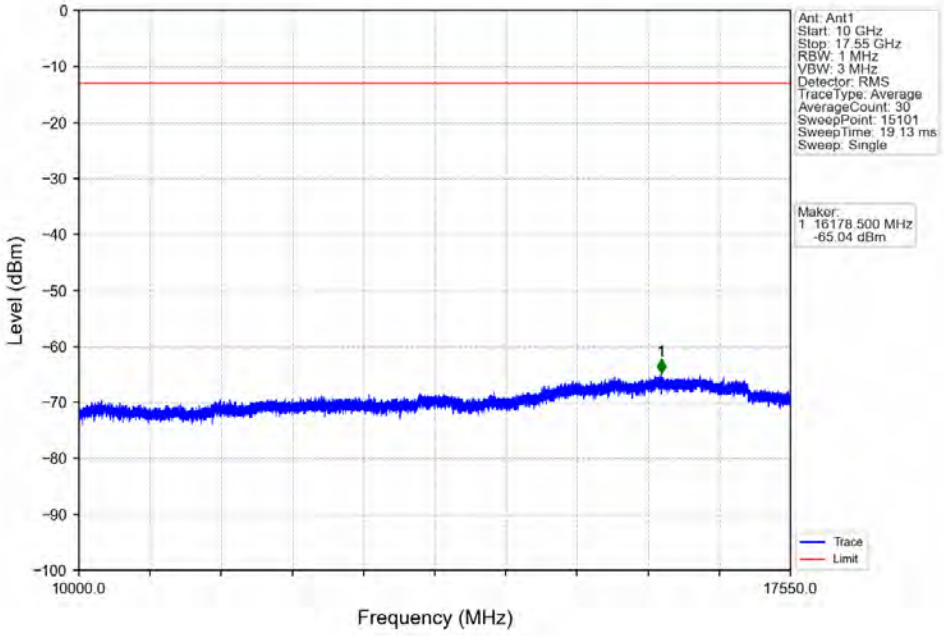
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



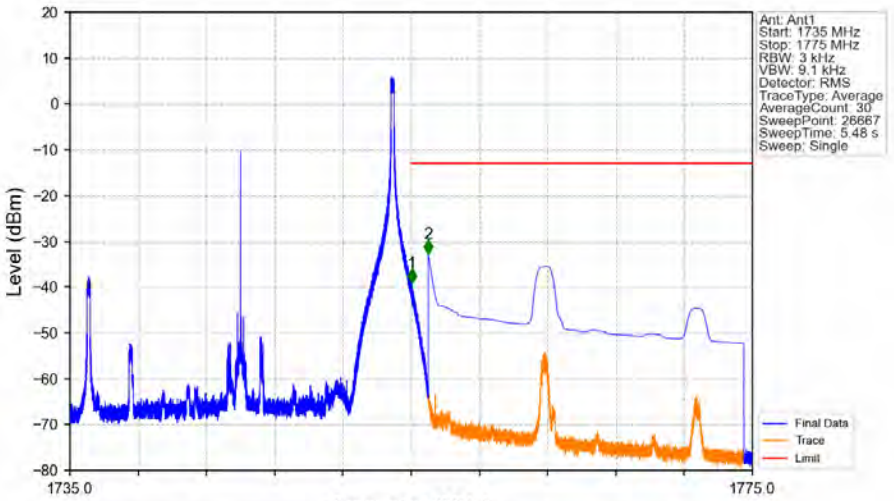
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

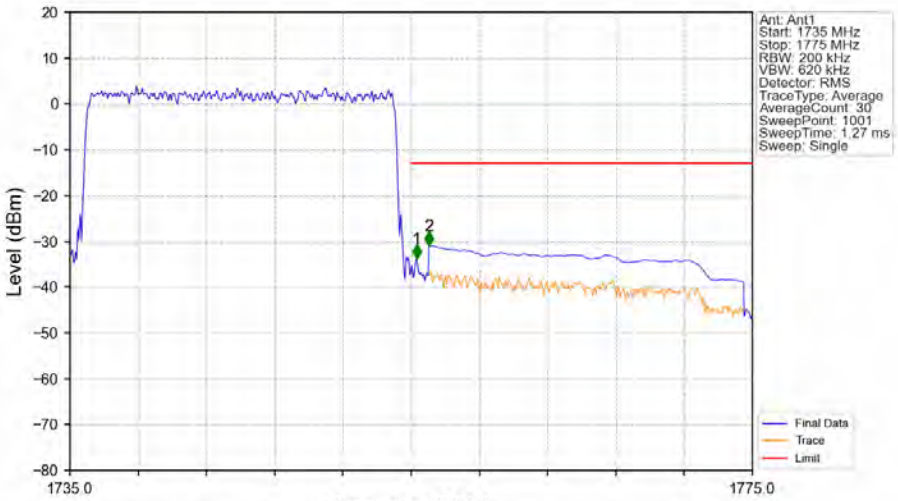


Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



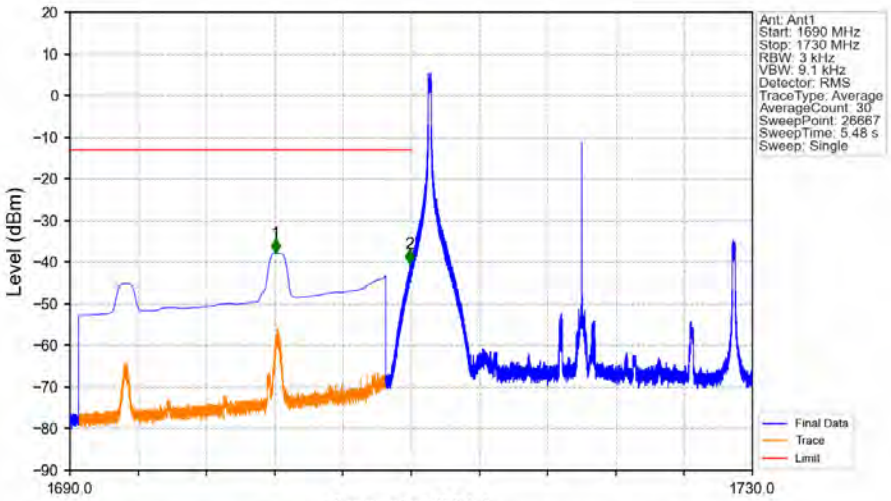
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.032	-39.03	-13	Pass
1756	1775	1	CHP	2	1756.001	-32.78	-13	Pass

Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



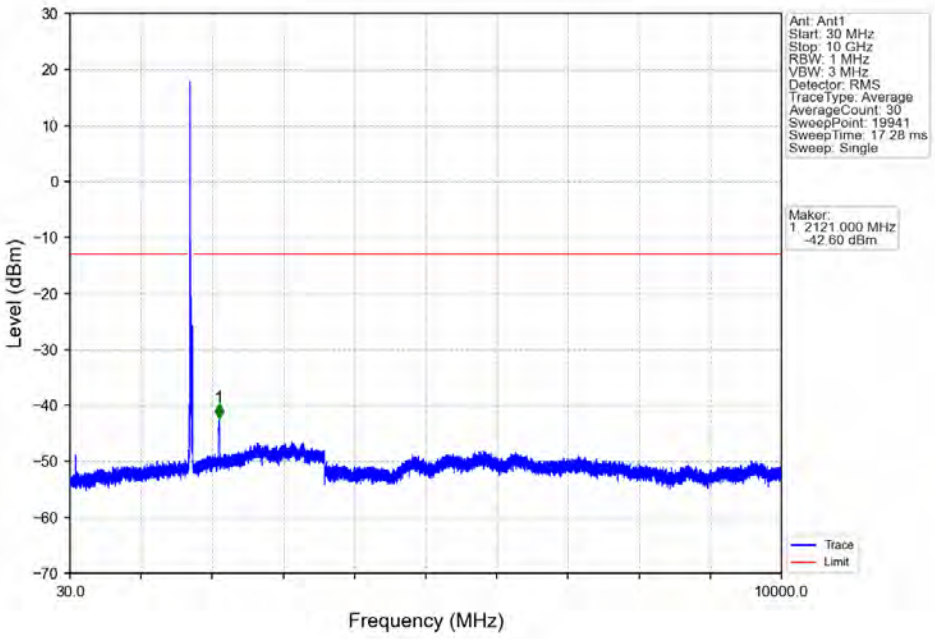
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.2	/	/	/	/	/	/
1755	1756	0.2	/	1	1755.320	-33.85	-13	Pass
1756	1775	1	CHP	2	1756.040	-30.93	-13	Pass

Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

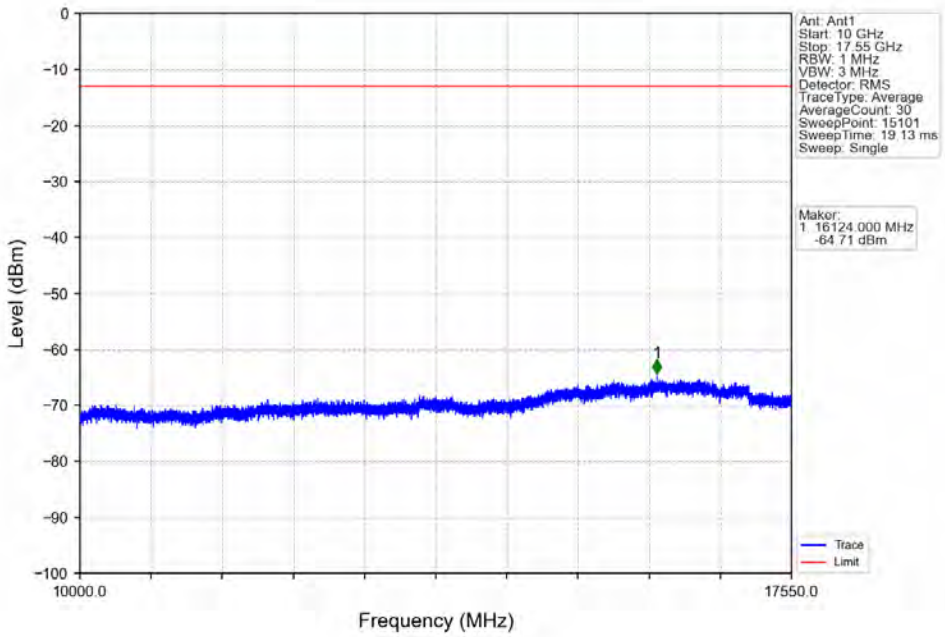


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1702.045	-37.84	-13	Pass
1709	1710	0.003	/	2	1709.926	-40.42	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

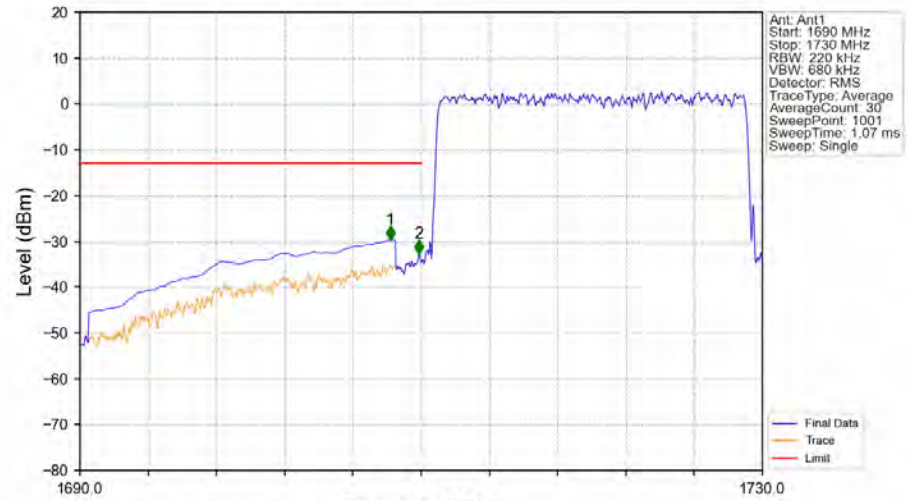
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

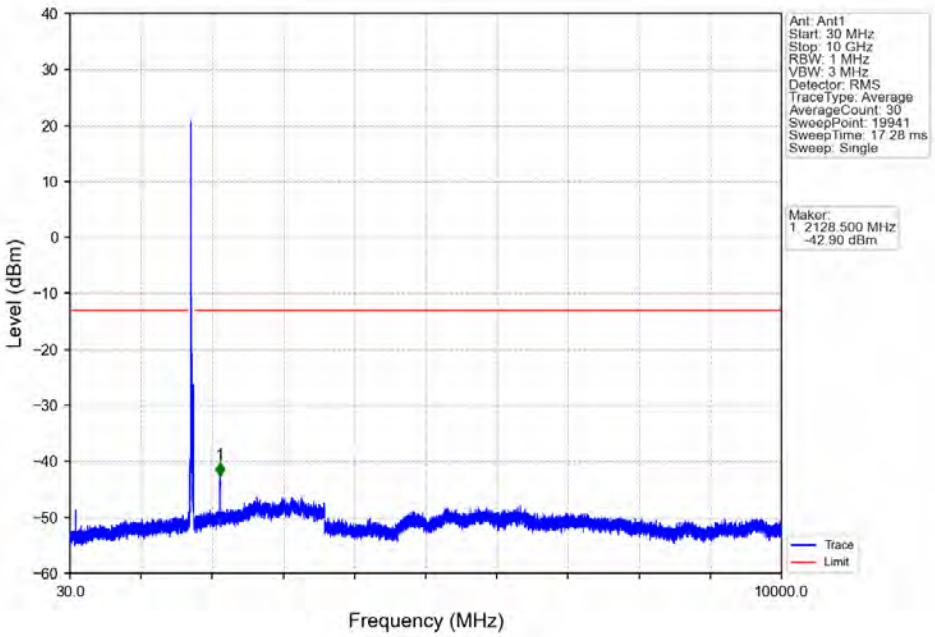


Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

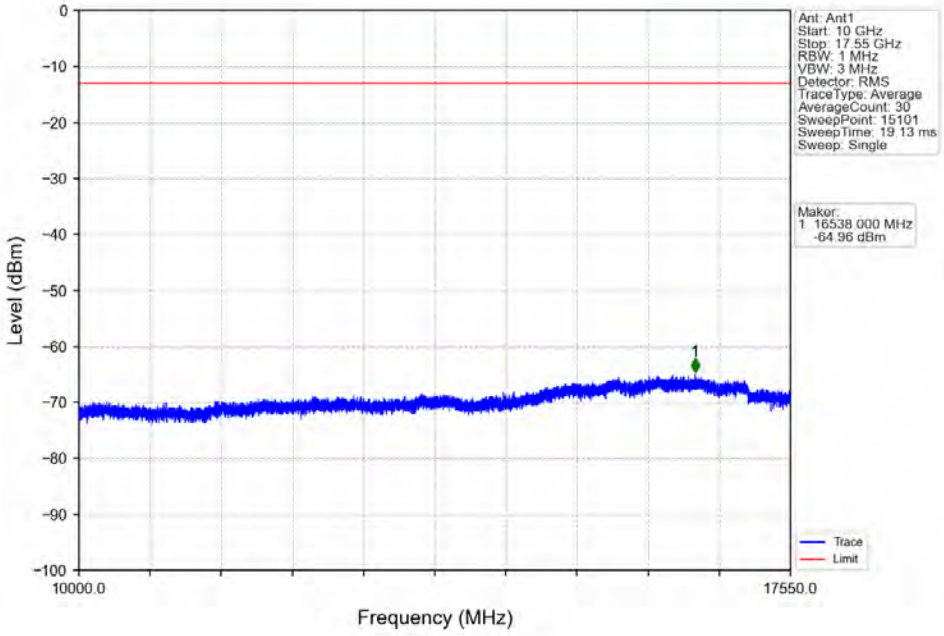


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.200	-29.66	-13	Pass
1709	1710	0.22	/	2	1709.880	-32.66	-13	Pass
1710	1730	0.22	/	/	/	/	/	/

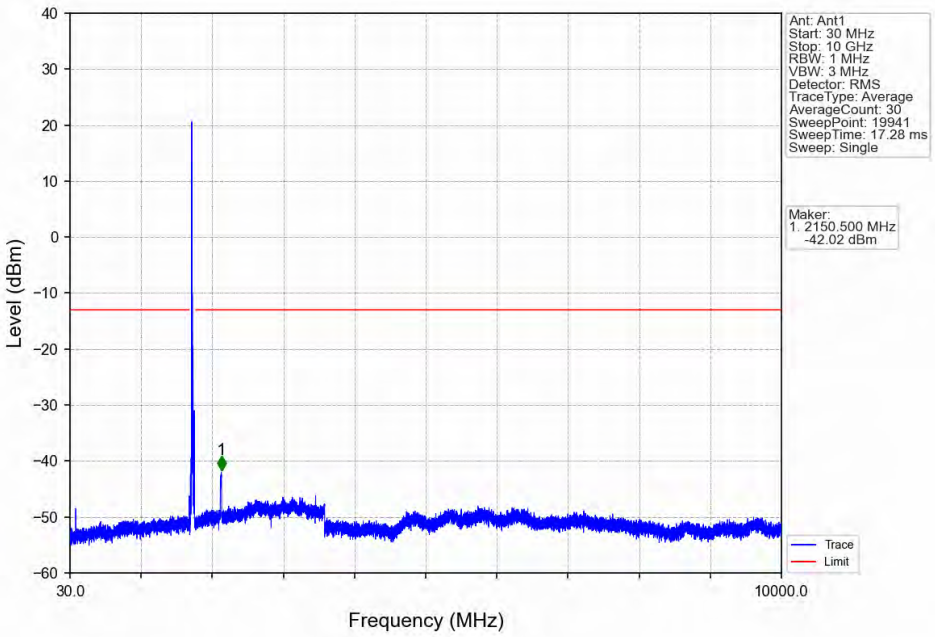
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



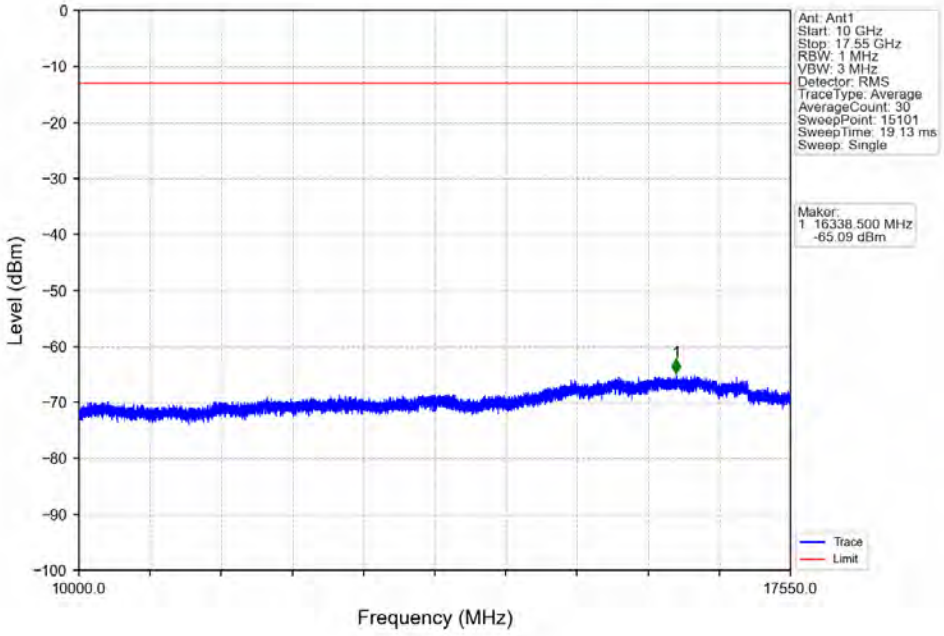
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



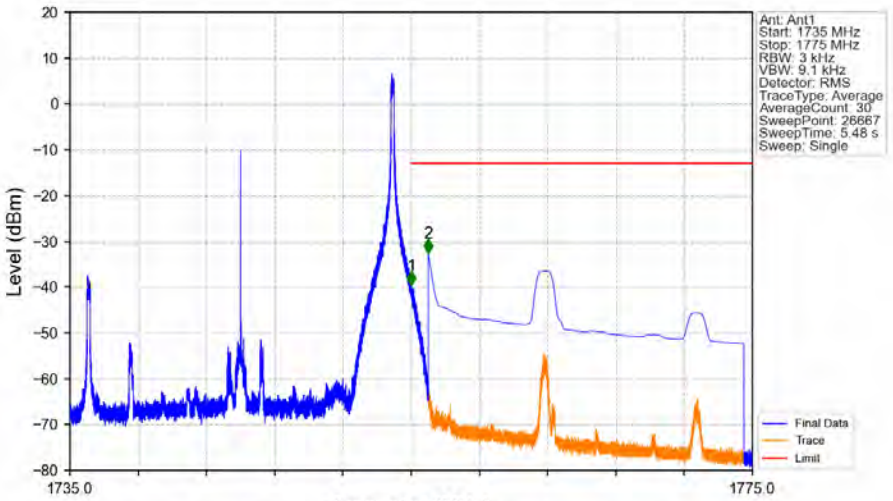
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV

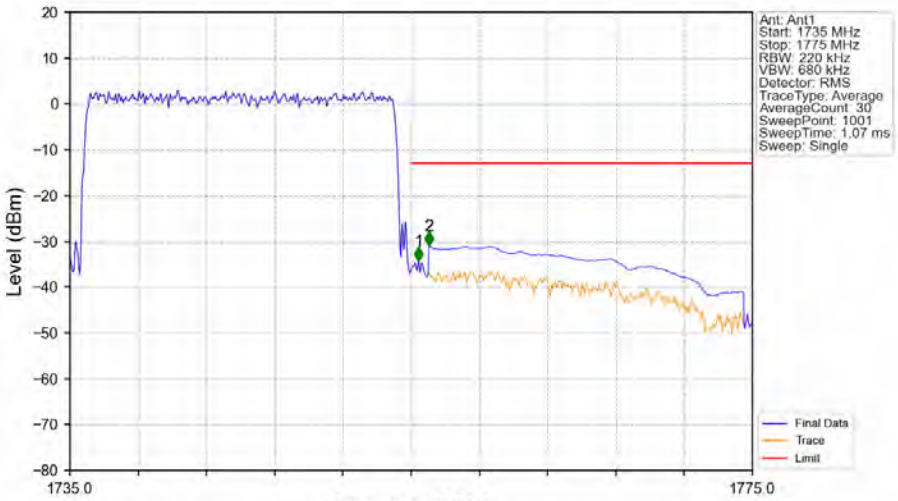


Band4_20MHz_16QAM_HCH_1745MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.018	-39.58	-13	Pass
1756	1775	1	CHP	2	1756.001	-32.60	-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	1755.440	-34.28	-13	Pass
1756	1775	1	CHP	2	1756.040	-30.94	-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	0.1503	0.0518	ppm	1M11G7D	27L	21.77
4	1.4	1710.7	1754.3	0.1227	0.0353	ppm	1M12W7D	27L	20.89
4	3	1711.5	1753.5	0.1528	0.0113	ppm	2M73G7D	27L	21.84
4	3	1711.5	1753.5	0.1380	0.0160	ppm	2M72W7D	27L	21.40
4	5	1712.5	1752.5	0.1472	0.0089	ppm	4M57G7D	27L	21.68
4	5	1712.5	1752.5	0.1205	0.0108	ppm	4M60W7D	27L	20.81
4	10	1715	1750	0.1524	0.0074	ppm	9M10G7D	27L	21.83
4	10	1715	1750	0.1365	0.0056	ppm	9M08W7D	27L	21.35
4	15	1717.5	1747.5	0.1449	0.0109	ppm	13M6G7D	27L	21.61
4	15	1717.5	1747.5	0.1303	0.0076	ppm	13M7W7D	27L	21.15
4	20	1720	1745	0.1507	0.0093	ppm	18M2G7D	27L	21.78
4	20	1720	1745	0.1297	0.0084	ppm	18M2W7D	27L	21.13

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	0.1941	0.0518	ppm	1M11G7D	27L	22.88
4	1.4	1710.7	1754.3	0.1585	0.0353	ppm	1M12W7D	27L	22.00
4	3	1711.5	1753.5	0.1972	0.0113	ppm	2M73G7D	27L	22.95
4	3	1711.5	1753.5	0.1782	0.0160	ppm	2M72W7D	27L	22.51
4	5	1712.5	1752.5	0.1901	0.0089	ppm	4M57G7D	27L	22.79
4	5	1712.5	1752.5	0.1556	0.0108	ppm	4M60W7D	27L	21.92
4	10	1715	1750	0.1968	0.0074	ppm	9M10G7D	27L	22.94
4	10	1715	1750	0.1762	0.0056	ppm	9M08W7D	27L	22.46
4	15	1717.5	1747.5	0.1871	0.0109	ppm	13M6G7D	27L	22.72
4	15	1717.5	1747.5	0.1683	0.0076	ppm	13M7W7D	27L	22.26
4	20	1720	1745	0.1945	0.0093	ppm	18M2G7D	27L	22.89
4	20	1720	1745	0.1675	0.0084	ppm	18M2W7D	27L	22.24