1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.17	0.92	24.09	<=30	Pass
			2	23.23	0.92	24.15	<=30	Pass
			5	22.74	0.92	23.66	<=30	Pass
		3	0	22.87	0.92	23.79	<=30	Pass
			2	22.88	0.92	23.80	<=30	Pass
			3	22.88	0.92	23.80	<=30	Pass
		6	0	21.82	0.92	22.74	<=30	Pass
	1732.5	1	0	22.87	0.92	23.79	<=30	Pass
			2	22.93	0.92	23.85	<=30	Pass
			5	22.79	0.92	23.71	<=30	Pass
		3	0	22.91	0.92	23.83	<=30	Pass
			2	22.90	0.92	23.82	<=30	Pass
			3	22.90	0.92	23.82	<=30	Pass
		6	0	21.96	0.92	22.88	<=30	Pass
	1754.3	1	0	23.21	0.92	24.13	<=30	Pass
			2	23.23	0.92	24.15	<=30	Pass
			5	22.75	0.92	23.67	<=30	Pass
		3	0	22.86	0.92	23.78	<=30	Pass
			2	22.83	0.92	23.75	<=30	Pass
			3	22.84	0.92	23.76	<=30	Pass
		6	0	21.84	0.92	22.76	<=30	Pass
16QAM	1710.7	1	0	21.90	0.92	22.82	<=30	Pass
			2	22.04	0.92	22.96	<=30	Pass
			5	21.93	0.92	22.85	<=30	Pass
		3	0	22.00	0.92	22.92	<=30	Pass
			2	21.97	0.92	22.89	<=30	Pass
			3	21.98	0.92	22.90	<=30	Pass
		6	0	20.88	0.92	21.80	<=30	Pass
	1732.5	1	0	21.78	0.92	22.70	<=30	Pass
			2	21.89	0.92	22.81	<=30	Pass
			5	21.79	0.92	22.71	<=30	Pass
		3	0	21.91	0.92	22.83	<=30	Pass
			2	21.87	0.92	22.79	<=30	Pass
			3	21.88	0.92	22.80	<=30	Pass
		6	0	21.01	0.92	21.93	<=30	Pass
	1754.3	1	0	21.80	0.92	22.72	<=30	Pass
			2	21.94	0.92	22.86	<=30	Pass
			5	21.83	0.92	22.75	<=30	Pass
		3	0	21.89	0.92	22.81	<=30	Pass
			2	21.90	0.92	22.82	<=30	Pass
			3	21.92	0.92	22.84	<=30	Pass
		6	0	20.86	0.92	21.78	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.04	0.92	23.96	<=30	Pass
			7	22.67	0.92	23.59	<=30	Pass
			14	22.54	0.92	23.46	<=30	Pass
		8	0	21.74	0.92	22.66	<=30	Pass
			4	21.84	0.92	22.76	<=30	Pass
			7	21.81	0.92	22.73	<=30	Pass
		15	0	21.75	0.92	22.67	<=30	Pass
	1732.5	1	0	22.61	0.92	23.53	<=30	Pass
			7	22.71	0.92	23.63	<=30	Pass
			14	22.59	0.92	23.51	<=30	Pass
		8	0	21.75	0.92	22.67	<=30	Pass
			4	21.84	0.92	22.76	<=30	Pass
			7	21.78	0.92	22.70	<=30	Pass
		15	0	21.80	0.92	22.72	<=30	Pass
	1753.5	1	0	22.55	0.92	23.47	<=30	Pass
			7	22.70	0.92	23.62	<=30	Pass
			14	22.59	0.92	23.51	<=30	Pass
		8	0	21.72	0.92	22.64	<=30	Pass
			4	21.82	0.92	22.74	<=30	Pass
			7	21.82	0.92	22.74	<=30	Pass
		15	0	21.75	0.92	22.67	<=30	Pass
16QAM	1711.5	1	0	21.75	0.92	22.67	<=30	Pass
			7	21.94	0.92	22.86	<=30	Pass
			14	21.78	0.92	22.70	<=30	Pass
		8	0	20.99	0.92	21.91	<=30	Pass
			4	21.11	0.92	22.03	<=30	Pass
			7	21.06	0.92	21.98	<=30	Pass
		15	0	20.85	0.92	21.77	<=30	Pass
	1732.5	1	0	21.70	0.92	22.62	<=30	Pass
			7	21.80	0.92	22.72	<=30	Pass
			14	21.66	0.92	22.58	<=30	Pass
		8	0	20.77	0.92	21.69	<=30	Pass
			4	20.84	0.92	21.76	<=30	Pass
			7	20.82	0.92	21.74	<=30	Pass
		15	0	20.82	0.92	21.74	<=30	Pass
	1753.5	1	0	21.62	0.92	22.54	<=30	Pass
			7	21.78	0.92	22.70	<=30	Pass
			14	21.57	0.92	22.49	<=30	Pass
		8	0	20.94	0.92	21.86	<=30	Pass
			4	21.02	0.92	21.94	<=30	Pass
			7	21.02	0.92	21.94	<=30	Pass
		15	0	20.85	0.92	21.77	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B4_5MHz_EIRP

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	22.79	0.92	23.71	<=30	Pass
			13	22.98	0.92	23.90	<=30	Pass
			24	22.84	0.92	23.76	<=30	Pass

		12	0	21.82	0.92	22.74	<=30	Pass
			6	21.92	0.92	22.84	<=30	Pass
			13	21.95	0.92	22.87	<=30	Pass
		25	0	21.88	0.92	22.80	<=30	Pass
	1732.5	1	0	22.87	0.92	23.79	<=30	Pass
			13	23.00	0.92	23.92	<=30	Pass
			24	22.88	0.92	23.80	<=30	Pass
		12	0	21.86	0.92	22.78	<=30	Pass
			6	21.92	0.92	22.84	<=30	Pass
			13	21.89	0.92	22.81	<=30	Pass
		25	0	21.84	0.92	22.76	<=30	Pass
	1752.5	1	0	22.87	0.92	23.79	<=30	Pass
			13	22.99	0.92	23.91	<=30	Pass
			24	22.86	0.92	23.78	<=30	Pass
		12	0	21.79	0.92	22.71	<=30	Pass
			6	21.90	0.92	22.82	<=30	Pass
			13	21.90	0.92	22.82	<=30	Pass
		25	0	21.85	0.92	22.77	<=30	Pass
16QAM	1712.5	1	0	22.04	0.92	22.96	<=30	Pass
			13	22.24	0.92	23.16	<=30	Pass
			24	22.12	0.92	23.04	<=30	Pass
		12	0	20.91	0.92	21.83	<=30	Pass
			6	21.05	0.92	21.97	<=30	Pass
			13	21.07	0.92	21.99	<=30	Pass
		25	0	20.98	0.92	21.90	<=30	Pass
	1732.5	1	0	22.08	0.92	23.00	<=30	Pass
			13	22.18	0.92	23.10	<=30	Pass
			24	22.13	0.92	23.05	<=30	Pass
		12	0	20.78	0.92	21.70	<=30	Pass
			6	20.85	0.92	21.77	<=30	Pass
			13	20.84	0.92	21.76	<=30	Pass
		25	0	20.86	0.92	21.78	<=30	Pass
	1752.5	1	0	22.03	0.92	22.95	<=30	Pass
			13	22.14	0.92	23.06	<=30	Pass
			24	21.98	0.92	22.90	<=30	Pass
		12	0	20.80	0.92	21.72	<=30	Pass
			6	20.96	0.92	21.88	<=30	Pass
			13	20.91	0.92	21.83	<=30	Pass
		25	0	20.91	0.92	21.83	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B4_10MHz_EIRP

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	22.84	0.92	23.76	<=30	Pass
			25	22.93	0.92	23.85	<=30	Pass
			49	22.84	0.92	23.76	<=30	Pass
		25	0	21.75	0.92	22.67	<=30	Pass
			13	21.95	0.92	22.87	<=30	Pass
			25	21.96	0.92	22.88	<=30	Pass
		50	0	21.92	0.92	22.84	<=30	Pass
	1732.5	1	0	22.93	0.92	23.85	<=30	Pass
			25	22.94	0.92	23.86	<=30	Pass

			49	22.89	0.92	23.81	<=30	Pass
		25	0	21.84	0.92	22.76	<=30	Pass
			13	21.90	0.92	22.82	<=30	Pass
			25	21.85	0.92	22.77	<=30	Pass
		50	0	21.89	0.92	22.81	<=30	Pass
	1750	1	0	22.93	0.92	23.85	<=30	Pass
			25	22.97	0.92	23.89	<=30	Pass
			49	22.90	0.92	23.82	<=30	Pass
		25	0	21.79	0.92	22.71	<=30	Pass
			13	21.91	0.92	22.83	<=30	Pass
			25	21.91	0.92	22.83	<=30	Pass
		50	0	21.90	0.92	22.82	<=30	Pass
16QAM	1715	1	0	22.10	0.92	23.02	<=30	Pass
			25	22.23	0.92	23.15	<=30	Pass
			49	22.11	0.92	23.03	<=30	Pass
		25	0	20.89	0.92	21.81	<=30	Pass
			13	21.11	0.92	22.03	<=30	Pass
			25	21.09	0.92	22.01	<=30	Pass
		50	0	20.99	0.92	21.91	<=30	Pass
	1732.5	1	0	21.99	0.92	22.91	<=30	Pass
			25	22.02	0.92	22.94	<=30	Pass
			49	22.03	0.92	22.95	<=30	Pass
		25	0	20.86	0.92	21.78	<=30	Pass
			13	20.93	0.92	21.85	<=30	Pass
			25	20.90	0.92	21.82	<=30	Pass
		50	0	20.87	0.92	21.79	<=30	Pass
	1750	1	0	21.99	0.92	22.91	<=30	Pass
			25	22.05	0.92	22.97	<=30	Pass
			49	21.91	0.92	22.83	<=30	Pass
		25	0	20.93	0.92	21.85	<=30	Pass
			13	21.02	0.92	21.94	<=30	Pass
			25	21.02	0.92	21.94	<=30	Pass
		50	0	20.93	0.92	21.85	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.5 B4_15MHz_EIRP

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	22.78	0.92	23.70	<=30	Pass
			38	22.92	0.92	23.84	<=30	Pass
			74	22.84	0.92	23.76	<=30	Pass
		36	0	21.74	0.92	22.66	<=30	Pass
			18	21.90	0.92	22.82	<=30	Pass
			39	21.95	0.92	22.87	<=30	Pass
		75	0	21.91	0.92	22.83	<=30	Pass
	1732.5	1	0	22.87	0.92	23.79	<=30	Pass
			38	22.99	0.92	23.91	<=30	Pass
			74	22.89	0.92	23.81	<=30	Pass
		36	0	21.97	0.92	22.89	<=30	Pass
			18	22.02	0.92	22.94	<=30	Pass
			39	21.94	0.92	22.86	<=30	Pass
		75	0	21.96	0.92	22.88	<=30	Pass
	1747.5	1	0	22.85	0.92	23.77	<=30	Pass

			38	22.94	0.92	23.86	<=30	Pass
			74	22.80	0.92	23.72	<=30	Pass
		36	0	21.78	0.92	22.70	<=30	Pass
			18	21.92	0.92	22.84	<=30	Pass
			39	21.91	0.92	22.83	<=30	Pass
		75	0	21.92	0.92	22.84	<=30	Pass
16QAM	1717.5	1	0	22.36	0.92	23.28	<=30	Pass
			38	22.46	0.92	23.38	<=30	Pass
			74	22.25	0.92	23.17	<=30	Pass
		36	0	20.80	0.92	21.72	<=30	Pass
			18	20.88	0.92	21.80	<=30	Pass
			39	20.90	0.92	21.82	<=30	Pass
		75	0	20.89	0.92	21.81	<=30	Pass
	1732.5	1	0	21.82	0.92	22.74	<=30	Pass
			38	21.93	0.92	22.85	<=30	Pass
			74	21.90	0.92	22.82	<=30	Pass
		36	0	20.88	0.92	21.80	<=30	Pass
			18	20.94	0.92	21.86	<=30	Pass
			39	20.94	0.92	21.86	<=30	Pass
		75	0	20.91	0.92	21.83	<=30	Pass
	1747.5	1	0	22.17	0.92	23.09	<=30	Pass
			38	22.22	0.92	23.14	<=30	Pass
			74	21.98	0.92	22.90	<=30	Pass
		36	0	20.89	0.92	21.81	<=30	Pass
			18	20.97	0.92	21.89	<=30	Pass
			39	20.97	0.92	21.89	<=30	Pass
		75	0	20.97	0.92	21.89	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B4_20MHz_EIRP

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	23.24	0.92	24.16	<=30	Pass
			50	22.94	0.92	23.86	<=30	Pass
			99	22.90	0.92	23.82	<=30	Pass
		50	0	21.73	0.92	22.65	<=30	Pass
			25	21.99	0.92	22.91	<=30	Pass
			50	21.87	0.92	22.79	<=30	Pass
		100	0	21.79	0.92	22.71	<=30	Pass
	1732.5	1	0	23.30	0.92	24.22	<=30	Pass
			50	23.01	0.92	23.93	<=30	Pass
			99	22.82	0.92	23.74	<=30	Pass
		50	0	21.87	0.92	22.79	<=30	Pass
			25	21.94	0.92	22.86	<=30	Pass
			50	21.91	0.92	22.83	<=30	Pass
		100	0	21.91	0.92	22.83	<=30	Pass
	1745	1	0	23.24	0.92	24.16	<=30	Pass
			50	22.90	0.92	23.82	<=30	Pass
			99	22.73	0.92	23.65	<=30	Pass
		50	0	21.90	0.92	22.82	<=30	Pass
			25	22.02	0.92	22.94	<=30	Pass
			50	22.07	0.92	22.99	<=30	Pass
		100	0	21.98	0.92	22.90	<=30	Pass

16QAM	1720	1	0	22.46	0.92	23.38	<=30	Pass
			50	22.20	0.92	23.12	<=30	Pass
			99	22.01	0.92	22.93	<=30	Pass
		50	0	20.85	0.92	21.77	<=30	Pass
			25	21.03	0.92	21.95	<=30	Pass
			50	20.95	0.92	21.87	<=30	Pass
		100	0	20.86	0.92	21.78	<=30	Pass
	1732.5	1	0	22.38	0.92	23.30	<=30	Pass
			50	22.09	0.92	23.01	<=30	Pass
			99	22.12	0.92	23.04	<=30	Pass
		50	0	20.88	0.92	21.80	<=30	Pass
			25	20.94	0.92	21.86	<=30	Pass
			50	20.93	0.92	21.85	<=30	Pass
		100	0	20.99	0.92	21.91	<=30	Pass
	1745	1	0	22.61	0.92	23.53	<=30	Pass
			50	22.52	0.92	23.44	<=30	Pass
			99	22.19	0.92	23.11	<=30	Pass
		50	0	21.01	0.92	21.93	<=30	Pass
			25	21.07	0.92	21.99	<=30	Pass
			50	21.15	0.92	22.07	<=30	Pass
		100	0	21.05	0.92	21.97	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

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	-16.408	-0.0096	-2.5 to 2.5	Pass
					3.85	13.962	0.0082	-2.5 to 2.5	Pass
					4.43	-8.626	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-9.642	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				-10	3.85	10.157	0.0059	-2.5 to 2.5	Pass
				0	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.875	-0.0017	-2.5 to 2.5	Pass
				30	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				40	3.85	-9.098	-0.0053	-2.5 to 2.5	Pass
				50	3.85	9.871	0.0058	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-1.616	-0.0009	-2.5 to 2.5	Pass
					3.85	-10.600	-0.0061	-2.5 to 2.5	Pass
					4.43	-12.374	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	14.205	0.0082	-2.5 to 2.5	Pass
				-20	3.85	13.661	0.0079	-2.5 to 2.5	Pass
				-10	3.85	14.663	0.0085	-2.5 to 2.5	Pass
				0	3.85	-8.798	-0.0051	-2.5 to 2.5	Pass
				10	3.85	17.509	0.0101	-2.5 to 2.5	Pass
				30	3.85	-8.998	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-10.285	-0.0059	-2.5 to 2.5	Pass

	1754.3	6	0	20	3.27	6.409	0.0037	-2.5 to 2.5	Pass
					3.85	-15.035	-0.0086	-2.5 to 2.5	Pass
					4.43	-5.708	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-19.312	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-12.145	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-14.420	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-14.863	-0.0085	-2.5 to 2.5	Pass
				10	3.85	-6.866	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-13.990	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-20.027	-0.0114	-2.5 to 2.5	Pass
				50	3.85	-13.576	-0.0077	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	0.315	0.0002	-2.5 to 2.5	Pass
					3.85	-7.854	-0.0046	-2.5 to 2.5	Pass
					4.43	8.283	0.0048	-2.5 to 2.5	Pass
				-30	3.85	2.804	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-15.321	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-13.561	-0.0079	-2.5 to 2.5	Pass
				0	3.85	12.689	0.0074	-2.5 to 2.5	Pass
				10	3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
				30	3.85	2.189	0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				50	3.85	8.998	0.0053	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	12.259	0.0071	-2.5 to 2.5	Pass
					3.85	0.257	0.0001	-2.5 to 2.5	Pass
					4.43	10.357	0.0060	-2.5 to 2.5	Pass
				-30	3.85	11.516	0.0066	-2.5 to 2.5	Pass
				-20	3.85	10.586	0.0061	-2.5 to 2.5	Pass
				-10	3.85	1.545	0.0009	-2.5 to 2.5	Pass
				0	3.85	-9.699	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-6.709	-0.0039	-2.5 to 2.5	Pass
				30	3.85	3.505	0.0020	-2.5 to 2.5	Pass
				40	3.85	-14.749	-0.0085	-2.5 to 2.5	Pass
				50	3.85	0.830	0.0005	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	5.879	0.0034	-2.5 to 2.5	Pass
					3.85	-8.082	-0.0046	-2.5 to 2.5	Pass
					4.43	0.587	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-12.946	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-13.146	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-1.659	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-10.629	-0.0061	-2.5 to 2.5	Pass
				10	3.85	3.562	0.0020	-2.5 to 2.5	Pass
				30	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
				40	3.85	1.817	0.0010	-2.5 to 2.5	Pass
				50	3.85	0.072	0.0000	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-8.483	-0.0050	-2.5 to 2.5	Pass
					3.85	12.660	0.0074	-2.5 to 2.5	Pass
					4.43	2.117	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-8.297	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-17.266	-0.0101	-2.5 to 2.5	Pass

				-10	3.85	4.706	0.0027	-2.5 to 2.5	Pass
				0	3.85	3.347	0.0020	-2.5 to 2.5	Pass
				10	3.85	-12.703	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-5.980	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-6.351	-0.0037	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	9.413	0.0054	-2.5 to 2.5	Pass
					3.85	-12.345	-0.0071	-2.5 to 2.5	Pass
					4.43	-11.859	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	4.277	0.0025	-2.5 to 2.5	Pass
				-20	3.85	-7.281	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	13.304	0.0077	-2.5 to 2.5	Pass
				0	3.85	-8.168	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-6.108	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-5.965	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	0.243	0.0001	-2.5 to 2.5	Pass
					3.85	-13.733	-0.0078	-2.5 to 2.5	Pass
					4.43	5.035	0.0029	-2.5 to 2.5	Pass
				-30	3.85	2.718	0.0016	-2.5 to 2.5	Pass
				-20	3.85	18.668	0.0106	-2.5 to 2.5	Pass
				-10	3.85	3.891	0.0022	-2.5 to 2.5	Pass
				0	3.85	-15.049	-0.0086	-2.5 to 2.5	Pass
				10	3.85	6.895	0.0039	-2.5 to 2.5	Pass
				30	3.85	4.048	0.0023	-2.5 to 2.5	Pass
				40	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-1.831	-0.0010	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-15.950	-0.0093	-2.5 to 2.5	Pass
					3.85	9.255	0.0054	-2.5 to 2.5	Pass
					4.43	-13.490	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-8.540	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-7.124	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	7.639	0.0045	-2.5 to 2.5	Pass
				0	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				10	3.85	6.194	0.0036	-2.5 to 2.5	Pass
				30	3.85	8.340	0.0049	-2.5 to 2.5	Pass
				40	3.85	9.484	0.0055	-2.5 to 2.5	Pass
				50	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-3.276	-0.0019	-2.5 to 2.5	Pass
					3.85	-4.764	-0.0027	-2.5 to 2.5	Pass
					4.43	6.037	0.0035	-2.5 to 2.5	Pass
				-30	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	4.849	0.0028	-2.5 to 2.5	Pass
				-10	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-19.984	-0.0115	-2.5 to 2.5	Pass
				10	3.85	3.304	0.0019	-2.5 to 2.5	Pass
				30	3.85	-6.766	-0.0039	-2.5 to 2.5	Pass
				40	3.85	2.575	0.0015	-2.5 to 2.5	Pass
				50	3.85	5.865	0.0034	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	0.658	0.0004	-2.5 to 2.5	Pass
					3.85	3.490	0.0020	-2.5 to 2.5	Pass
					4.43	9.198	0.0052	-2.5 to 2.5	Pass
				-30	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-9.828	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-7.267	-0.0041	-2.5 to 2.5	Pass

				10	3.85	-10.557	-0.0060	-2.5 to 2.5	Pass
				30	3.85	4.334	0.0025	-2.5 to 2.5	Pass
				40	3.85	-4.907	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-9.170	-0.0052	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

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	-1.230	-0.0007	-2.5 to 2.5	Pass
					3.85	1.302	0.0008	-2.5 to 2.5	Pass
					4.43	-10.386	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	6.838	0.0040	-2.5 to 2.5	Pass
				-20	3.85	-5.679	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-4.063	-0.0024	-2.5 to 2.5	Pass
				0	3.85	0.458	0.0003	-2.5 to 2.5	Pass
				10	3.85	4.320	0.0025	-2.5 to 2.5	Pass
				30	3.85	10.071	0.0059	-2.5 to 2.5	Pass
				40	3.85	-2.503	-0.0015	-2.5 to 2.5	Pass
				50	3.85	0.157	0.0001	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	5.965	0.0034	-2.5 to 2.5	Pass
					3.85	10.786	0.0062	-2.5 to 2.5	Pass
					4.43	7.553	0.0044	-2.5 to 2.5	Pass
				-30	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	1.402	0.0008	-2.5 to 2.5	Pass
				0	3.85	-4.292	-0.0025	-2.5 to 2.5	Pass
				10	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	3.004	0.0017	-2.5 to 2.5	Pass
				50	3.85	0.486	0.0003	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-2.089	-0.0012	-2.5 to 2.5	Pass
					3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
					4.43	-0.973	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-5.379	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-5.150	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-4.349	-0.0025	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	2.747	0.0016	-2.5 to 2.5	Pass
					3.85	8.397	0.0049	-2.5 to 2.5	Pass
					4.43	7.038	0.0041	-2.5 to 2.5	Pass
				-30	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-10.343	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-12.016	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-11.859	-0.0069	-2.5 to 2.5	Pass
				10	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				30	3.85	15.807	0.0092	-2.5 to 2.5	Pass
				40	3.85	8.812	0.0051	-2.5 to 2.5	Pass
				50	3.85	10.085	0.0059	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-1.760	-0.0010	-2.5 to 2.5	Pass

					3.85	-9.270	-0.0054	-2.5 to 2.5	Pass
					4.43	-2.275	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				0	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				10	3.85	8.068	0.0047	-2.5 to 2.5	Pass
				30	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				40	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-12.846	-0.0074	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-3.834	-0.0022	-2.5 to 2.5	Pass
					3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
					4.43	1.030	0.0006	-2.5 to 2.5	Pass
				-30	3.85	5.922	0.0034	-2.5 to 2.5	Pass
				-20	3.85	-9.813	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.532	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				40	3.85	9.370	0.0053	-2.5 to 2.5	Pass
				50	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-0.715	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
					4.43	6.137	0.0036	-2.5 to 2.5	Pass
				-30	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	5.980	0.0035	-2.5 to 2.5	Pass
				-10	3.85	2.747	0.0016	-2.5 to 2.5	Pass
				0	3.85	3.963	0.0023	-2.5 to 2.5	Pass
				10	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				30	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				40	3.85	-3.004	-0.0018	-2.5 to 2.5	Pass
				50	3.85	3.734	0.0022	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-5.736	-0.0033	-2.5 to 2.5	Pass
					3.85	-9.041	-0.0052	-2.5 to 2.5	Pass
					4.43	3.705	0.0021	-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.891	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-4.592	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-11.358	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				40	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				50	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	1.030	0.0006	-2.5 to 2.5	Pass
					3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
					4.43	0.801	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-4.077	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	2.346	0.0013	-2.5 to 2.5	Pass
				-10	3.85	5.779	0.0033	-2.5 to 2.5	Pass

				0	3.85	-5.307	-0.0030	-2.5 to 2.5	Pass
				10	3.85	2.460	0.0014	-2.5 to 2.5	Pass
				30	3.85	1.774	0.0010	-2.5 to 2.5	Pass
				40	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				50	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	1.774	0.0010	-2.5 to 2.5	Pass
					3.85	8.197	0.0048	-2.5 to 2.5	Pass
					4.43	-1.245	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.631	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	3.161	0.0018	-2.5 to 2.5	Pass
				-10	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
				30	3.85	2.890	0.0017	-2.5 to 2.5	Pass
				40	3.85	3.648	0.0021	-2.5 to 2.5	Pass
				50	3.85	-4.764	-0.0028	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-1.645	-0.0009	-2.5 to 2.5	Pass
					3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
					4.43	-2.475	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-4.077	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-3.219	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-7.982	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-2.618	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-5.980	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-2.890	-0.0017	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	1.416	0.0008	-2.5 to 2.5	Pass
					3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
					4.43	-1.860	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.931	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				50	3.85	1.030	0.0006	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-2.761	-0.0016	-2.5 to 2.5	Pass
					3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.388	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	2.146	0.0012	-2.5 to 2.5	Pass
				0	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				10	3.85	-5.822	-0.0034	-2.5 to 2.5	Pass
				30	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				50	3.85	4.692	0.0027	-2.5 to 2.5	Pass

	1732.5	75	0	20	3.27	-1.287	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
					4.43	-0.415	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	2.761	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	0.916	0.0005	-2.5 to 2.5	Pass
				0	3.85	0.958	0.0006	-2.5 to 2.5	Pass
				10	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				40	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				50	3.85	-3.033	-0.0018	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	2.761	0.0016	-2.5 to 2.5	Pass
					3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
					4.43	4.220	0.0024	-2.5 to 2.5	Pass
				-30	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				0	3.85	3.161	0.0018	-2.5 to 2.5	Pass
				10	3.85	2.275	0.0013	-2.5 to 2.5	Pass
				30	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				40	3.85	4.849	0.0028	-2.5 to 2.5	Pass
				50	3.85	1.845	0.0011	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-2.675	-0.0016	-2.5 to 2.5	Pass
					3.85	-8.454	-0.0049	-2.5 to 2.5	Pass
					4.43	-1.559	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-3.719	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-5.608	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-9.599	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
				40	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-2.432	-0.0014	-2.5 to 2.5	Pass
					3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
					4.43	4.091	0.0024	-2.5 to 2.5	Pass
				-30	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				10	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				50	3.85	0.873	0.0005	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	4.420	0.0025	-2.5 to 2.5	Pass
					3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
					4.43	2.646	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				0	3.85	1.402	0.0008	-2.5 to 2.5	Pass
				10	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				30	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				40	3.85	3.147	0.0018	-2.5 to 2.5	Pass
				50	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

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	-1.802	-0.0010	-2.5 to 2.5	Pass
					3.85	4.992	0.0029	-2.5 to 2.5	Pass
					4.43	-2.289	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	3.018	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-2.661	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				10	3.85	3.190	0.0019	-2.5 to 2.5	Pass
				30	3.85	-2.675	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-0.243	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
					4.43	-4.120	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-5.794	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				0	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-2.332	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.905	-0.0022	-2.5 to 2.5	Pass
					3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
					4.43	2.761	0.0016	-2.5 to 2.5	Pass
				-30	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				10	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-6.809	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-0.272	-0.0002	-2.5 to 2.5	Pass
					3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
					4.43	-1.817	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	1.259	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.988	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				10	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				30	3.85	-2.332	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-2.618	-0.0015	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-3.347	-0.0019	-2.5 to 2.5	Pass
					3.85	-10.257	-0.0059	-2.5 to 2.5	Pass
					4.43	-3.304	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-4.606	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	2.475	0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass

				10	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-3.662	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-1.931	-0.0011	-2.5 to 2.5	Pass
					3.85	-3.533	-0.0020	-2.5 to 2.5	Pass
					4.43	2.618	0.0015	-2.5 to 2.5	Pass
				-30	3.85	4.005	0.0023	-2.5 to 2.5	Pass
				-20	3.85	4.263	0.0024	-2.5 to 2.5	Pass
				-10	3.85	0.787	0.0005	-2.5 to 2.5	Pass
				0	3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
				10	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				50	3.85	1.817	0.0010	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

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 B4_3MHz

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

3.1.3 B4_5MHz

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

3.1.4 B4_10MHz

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

3.1.5 B4_15MHz

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

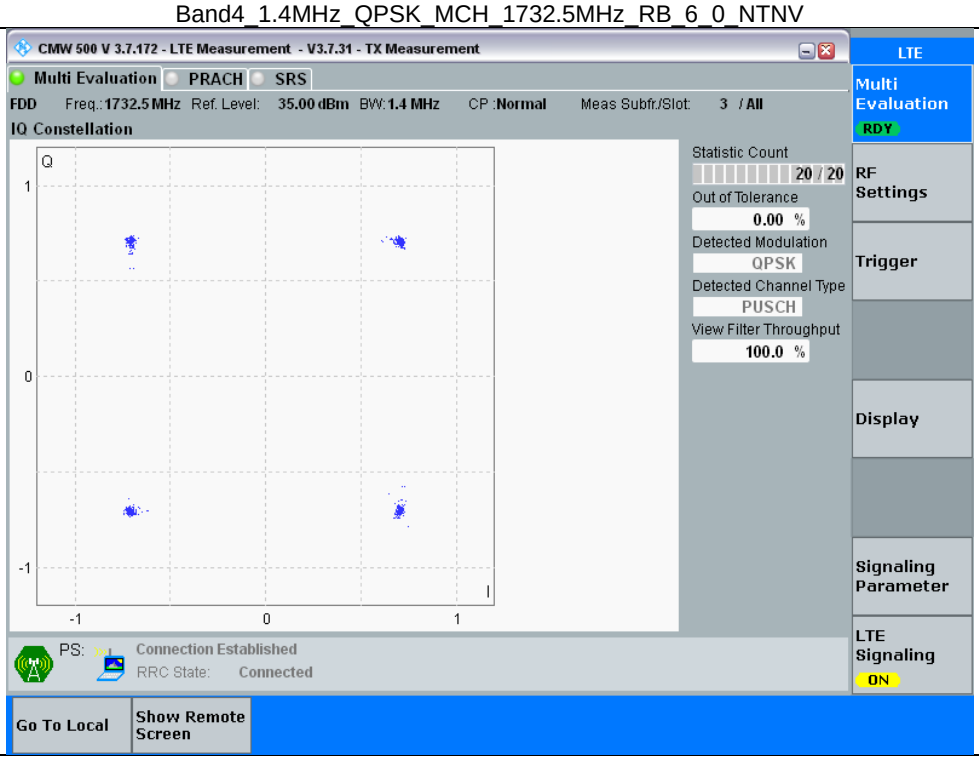
3.1.6 B4_20MHz

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

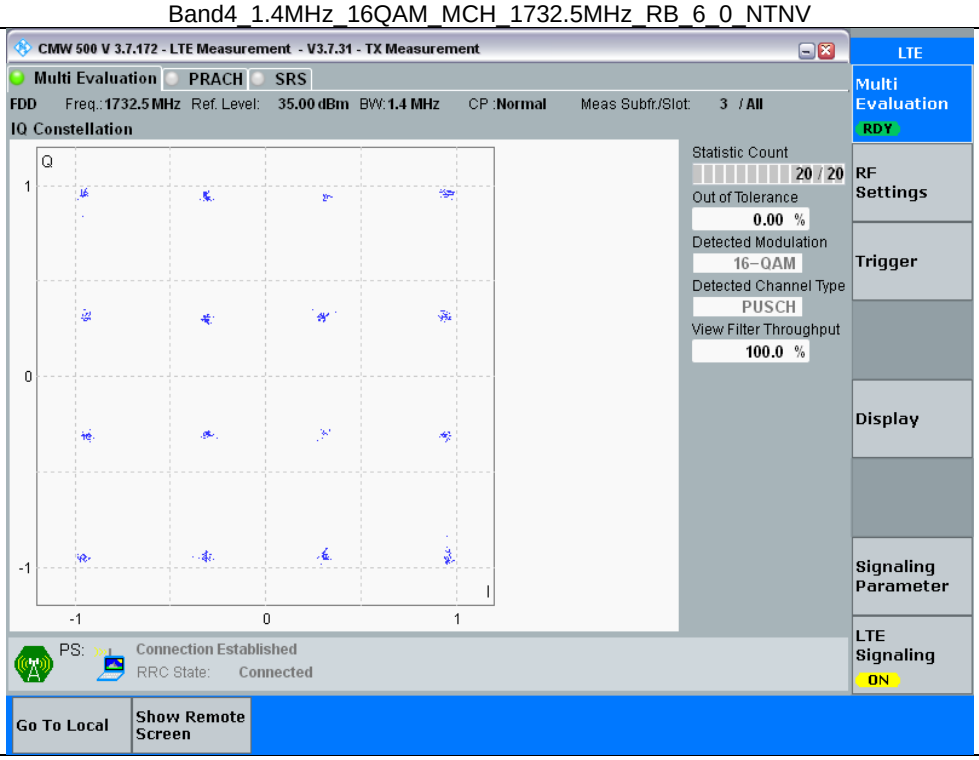
3.2 Test Graph

3.2.1 B4_1.4MHz

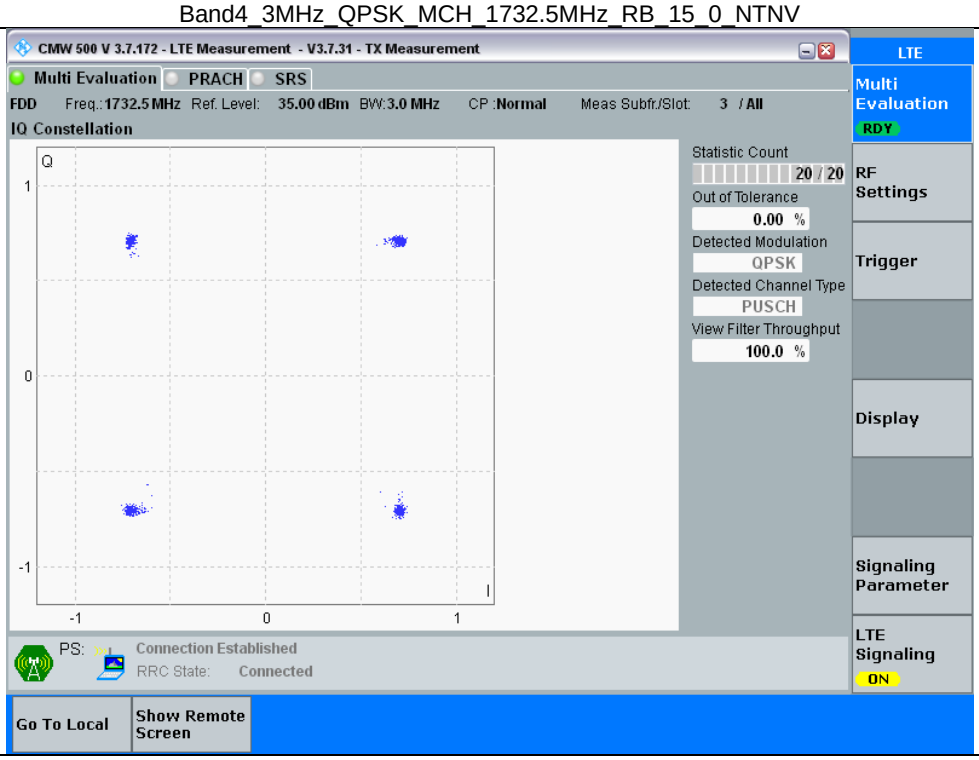
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

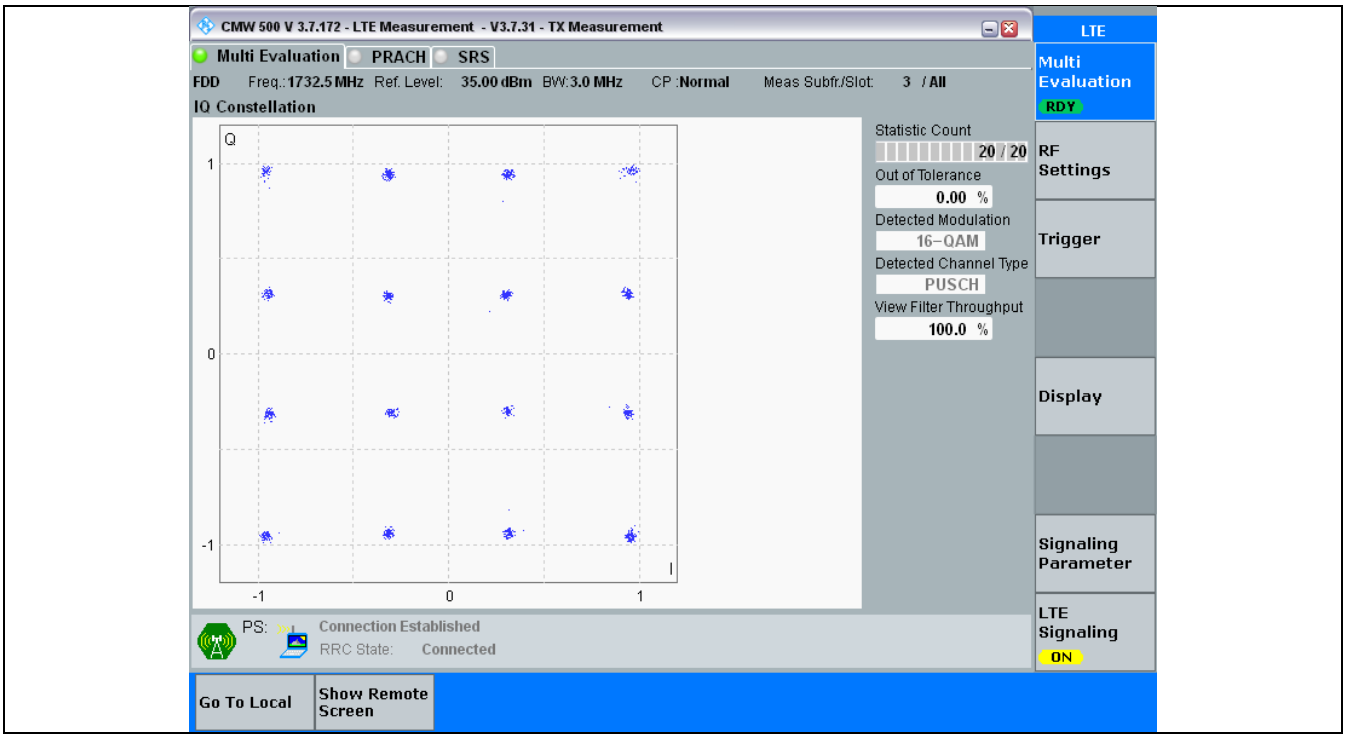


Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

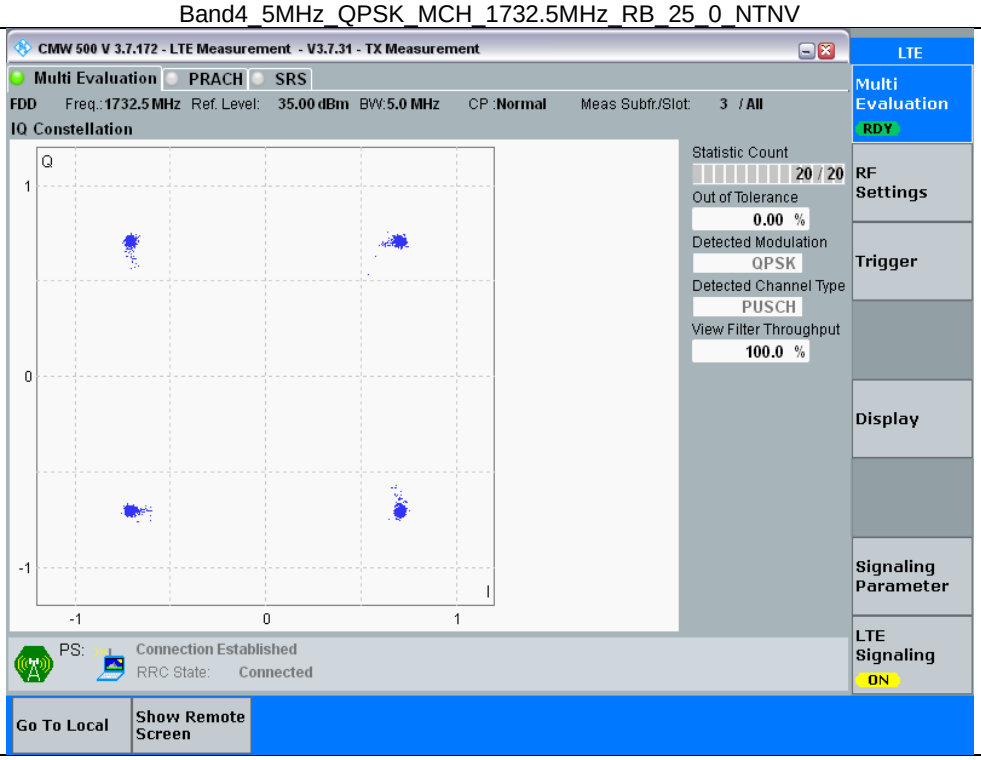
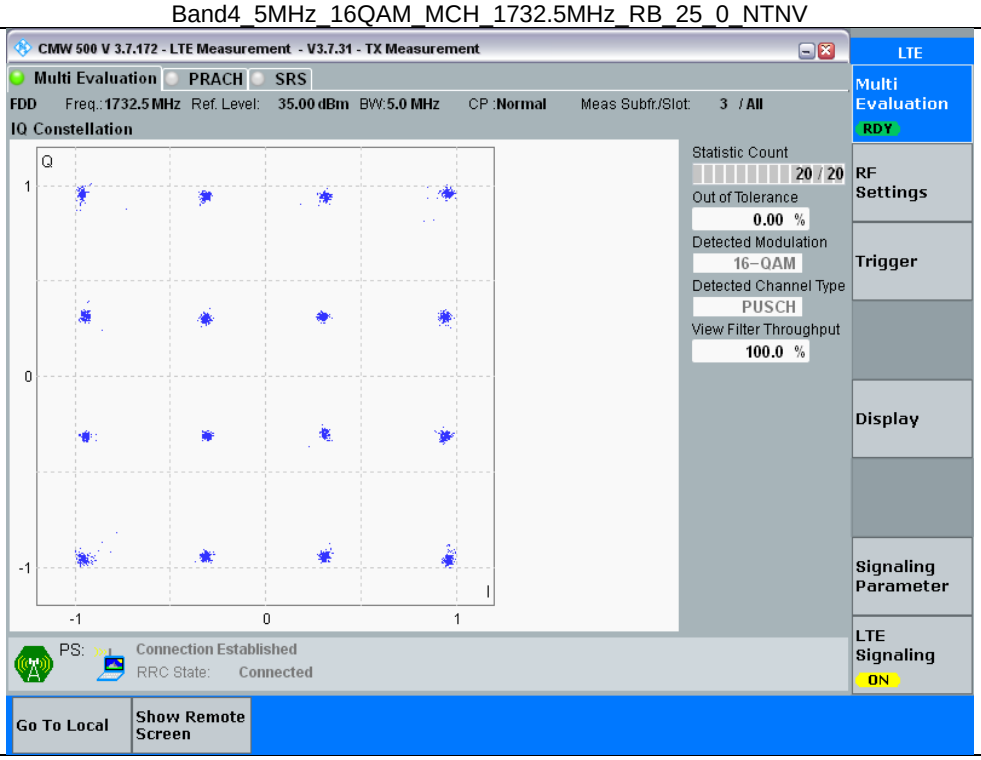


3.2.2 B4_3MHz

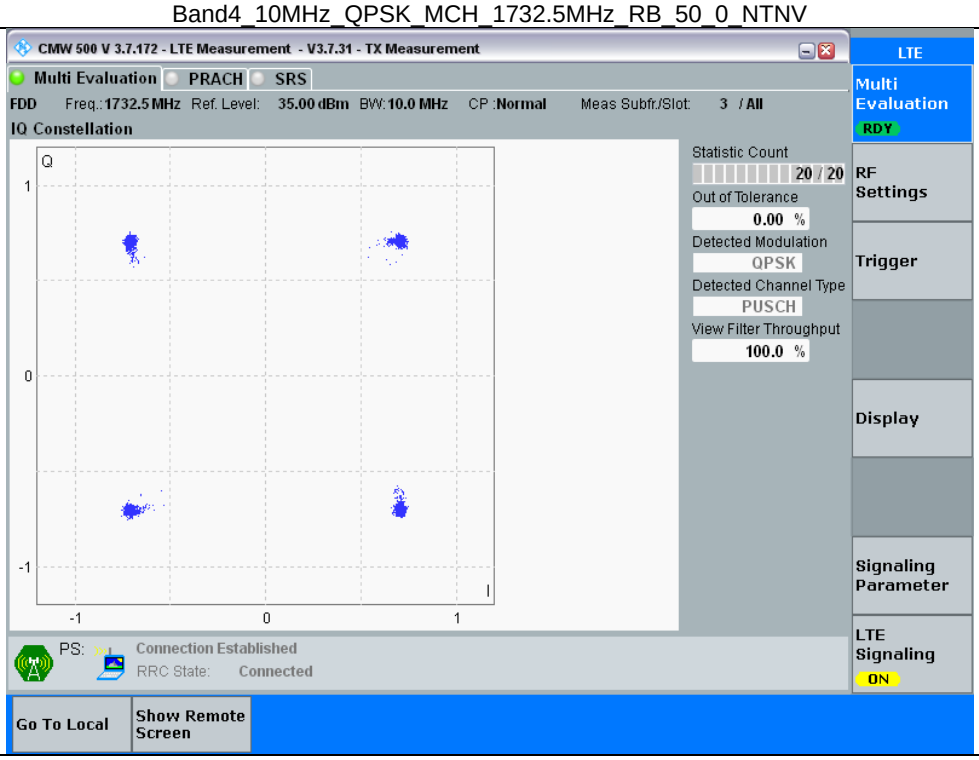
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

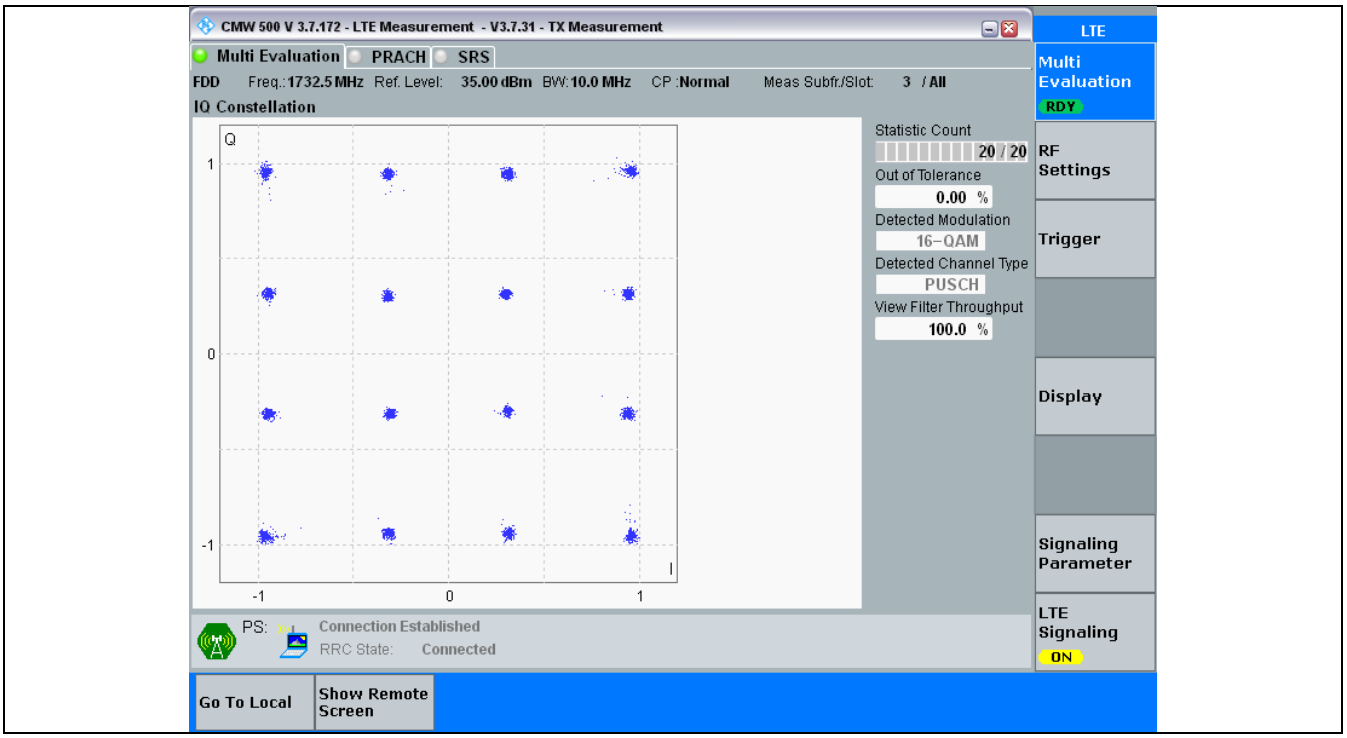

CMW 500 V 3.7.172 - LTE Measurement - V3.7.31 - TX Measurement
Multi Evaluation
PRACH
SRS
FDD Freq.:1732.5 MHz Ref. Level: 35.00 dBm BW:3.0 MHz CP :Normal Meas Subfr./Slot: 3 / All
IQ Constellation
Q
I
1
0
-1
-1
0
1
Statistic Count
20 / 20
Out of Tolerance
0.00 %
Detected Modulation
16-QAM
Detected Channel Type
PUSCH
View Filter Throughput
100.0 %
PS:
Connection Established
RRC State: Connected
LTE
Multi Evaluation
RDY
RF Settings
Trigger
Display
Signaling Parameter
LTE Signaling
ON
Go To Local
Show Remote Screen

3.2.3 B4_5MHz

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV


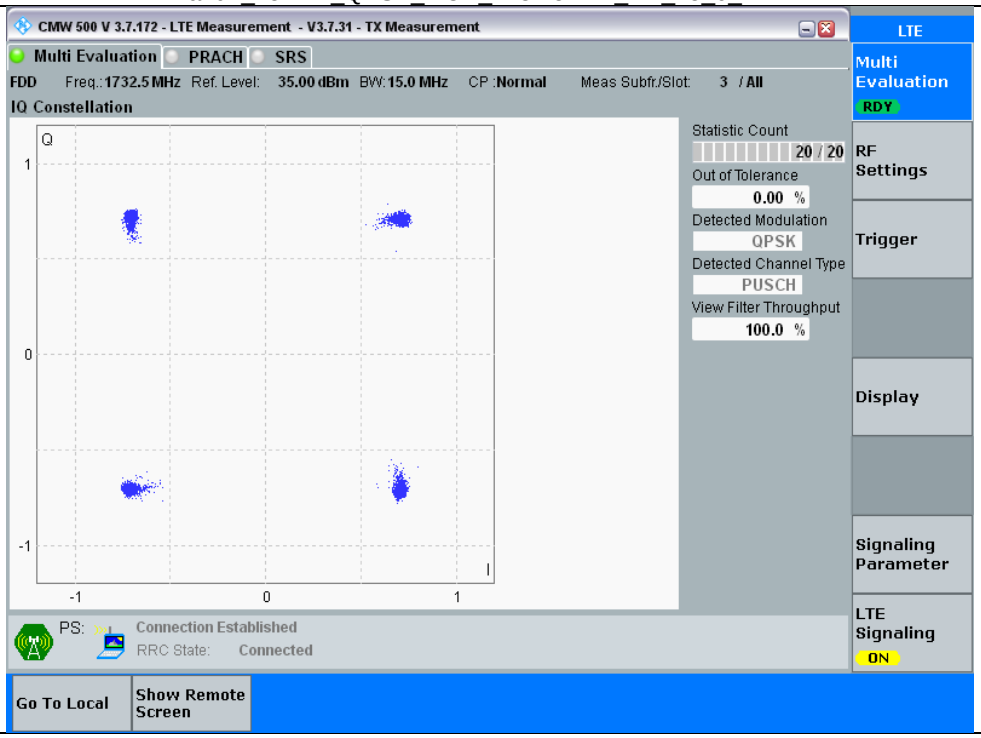
3.2.4 B4_10MHz

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

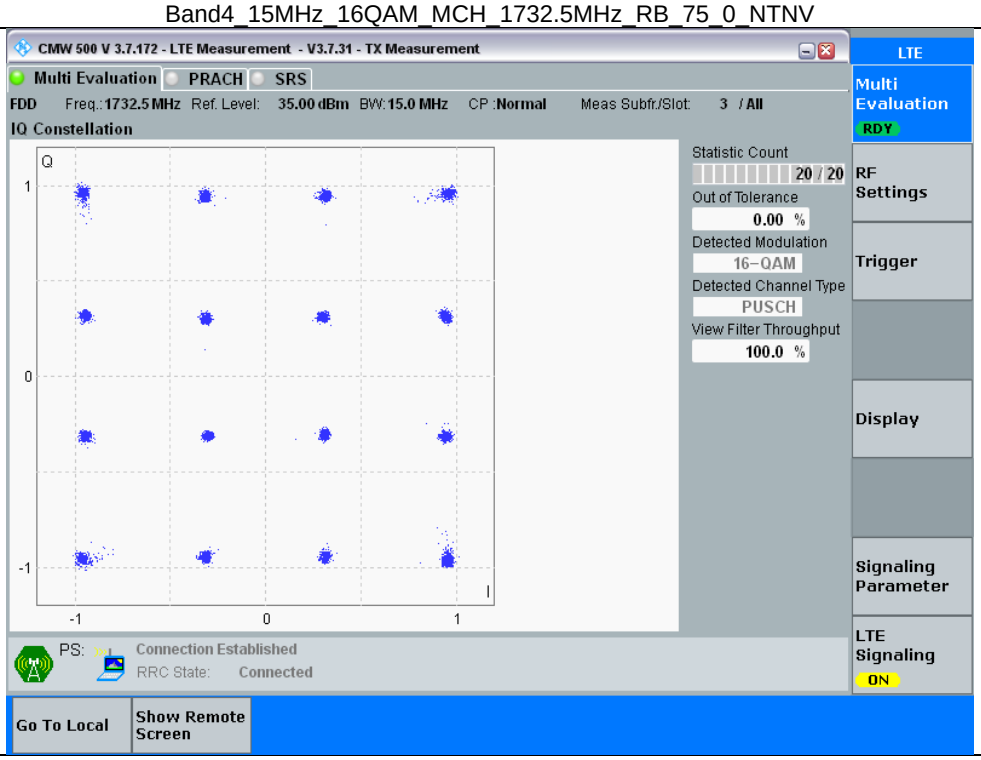

CMW 500 V 3.7.172 - LTE Measurement - V3.7.31 - TX Measurement
Multi Evaluation
PRACH
SRS
FDD Freq.: 1732.5 MHz Ref. Level: 35.00 dBm BW: 10.0 MHz CP: Normal Meas Subfr./Slot: 3 / All
IQ Constellation
Q
I
1
0
-1
Statistic Count
20 / 20
Out of Tolerance
0.00 %
Detected Modulation
16-QAM
Detected Channel Type
PUSCH
View Filter Throughput
100.0 %
PS:
Connection Established
RRC State: Connected
LTE
Multi Evaluation
RDY
RF Settings
Trigger
Display
Signaling Parameter
LTE Signaling
ON
Go To Local
Show Remote Screen

3.2.5 B4_15MHz

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

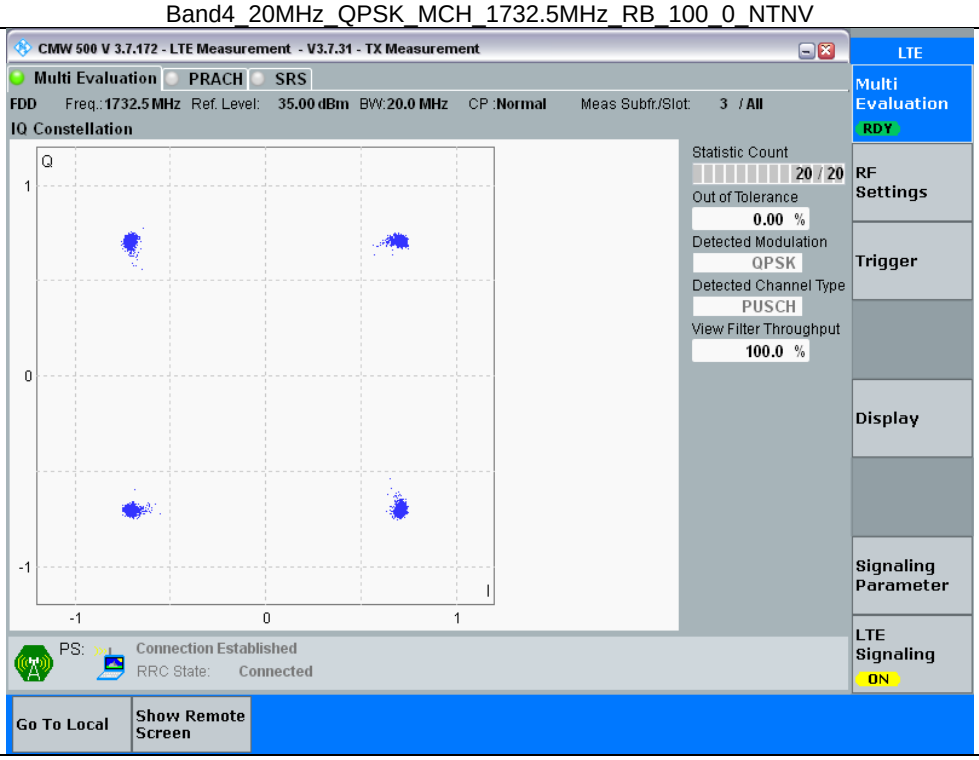


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

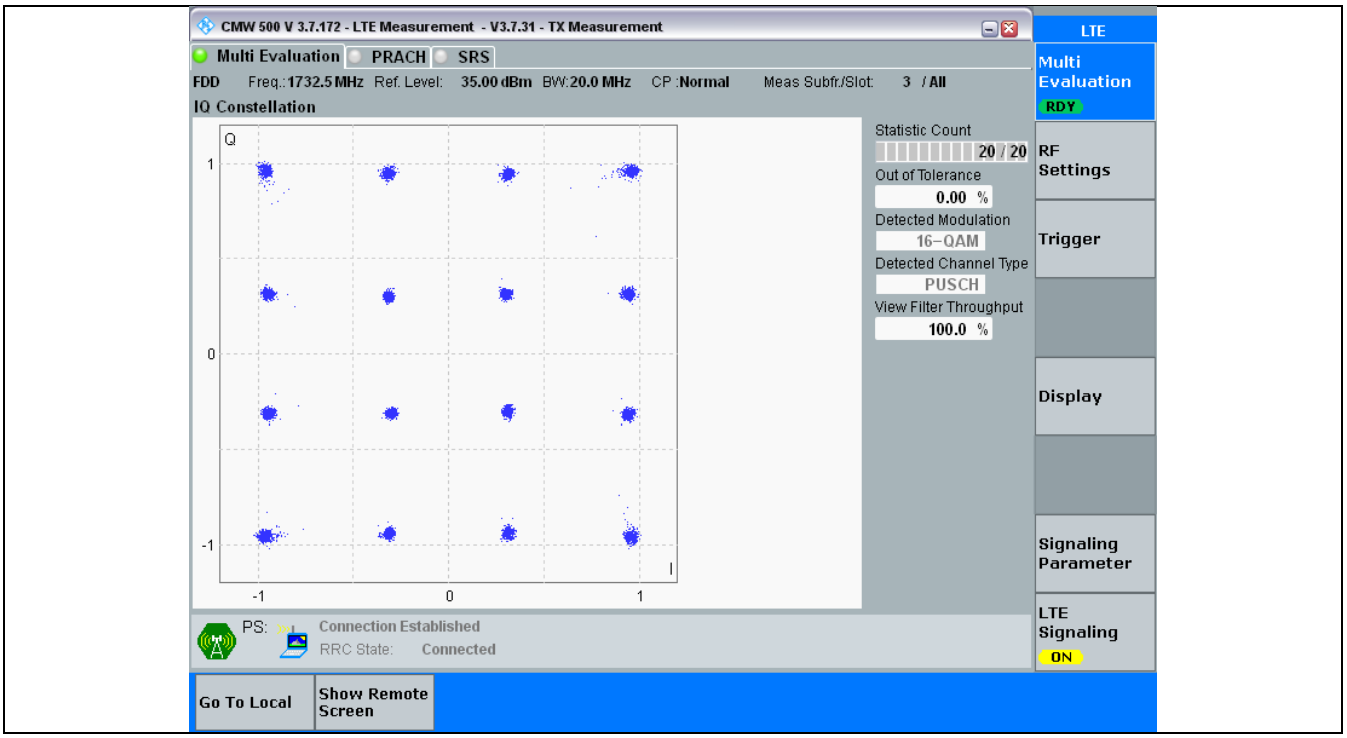


3.2.6 B4_20MHz

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV


CMW 500 V 3.7.172 - LTE Measurement - V3.7.31 - TX Measurement
Multi Evaluation
PRACH
SRS
FDD Freq.:1732.5 MHz Ref. Level: 35.00 dBm BW:20.0 MHz CP :Normal Meas Subfr./Slot: 3 / All
IQ Constellation
Q
I
1
0
-1
Statistic Count
20 / 20
Out of Tolerance
0.00 %
Detected Modulation
16-QAM
Detected Channel Type
PUSCH
View Filter Throughput
100.0 %
PS:
Connection Established
RRC State: Connected
LTE
Multi Evaluation
RDY
RF Settings
Trigger
Display
Signaling Parameter
LTE Signaling
ON
Go To Local
Show Remote Screen

4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band4_OBW

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	1.117	/	Pass
		1732.5	6	0	1.113	/	Pass
		1754.3	6	0	1.101	/	Pass
	16QAM	1710.7	6	0	1.112	/	Pass
		1732.5	6	0	1.114	/	Pass
		1754.3	6	0	1.113	/	Pass
3	QPSK	1711.5	15	0	2.733	/	Pass
		1732.5	15	0	2.736	/	Pass
		1753.5	15	0	2.725	/	Pass
	16QAM	1711.5	15	0	2.720	/	Pass
		1732.5	15	0	2.727	/	Pass
		1753.5	15	0	2.722	/	Pass
5	QPSK	1712.5	25	0	4.572	/	Pass
		1732.5	25	0	4.550	/	Pass
		1752.5	25	0	4.543	/	Pass
	16QAM	1712.5	25	0	4.550	/	Pass
		1732.5	25	0	4.571	/	Pass
		1752.5	25	0	4.546	/	Pass
10	QPSK	1715	50	0	9.018	/	Pass
		1732.5	50	0	9.060	/	Pass
		1750	50	0	9.045	/	Pass
	16QAM	1715	50	0	9.031	/	Pass
		1732.5	50	0	9.025	/	Pass
		1750	50	0	9.034	/	Pass
15	QPSK	1717.5	75	0	13.514	/	Pass
		1732.5	75	0	13.581	/	Pass
		1747.5	75	0	13.607	/	Pass
	16QAM	1717.5	75	0	13.569	/	Pass
		1732.5	75	0	13.542	/	Pass
		1747.5	75	0	13.586	/	Pass
20	QPSK	1720	100	0	18.028	/	Pass
		1732.5	100	0	17.997	/	Pass
		1745	100	0	18.062	/	Pass
	16QAM	1720	100	0	18.073	/	Pass
		1732.5	100	0	18.045	/	Pass
		1745	100	0	18.215	/	Pass

4.1.2 Band4_XDB

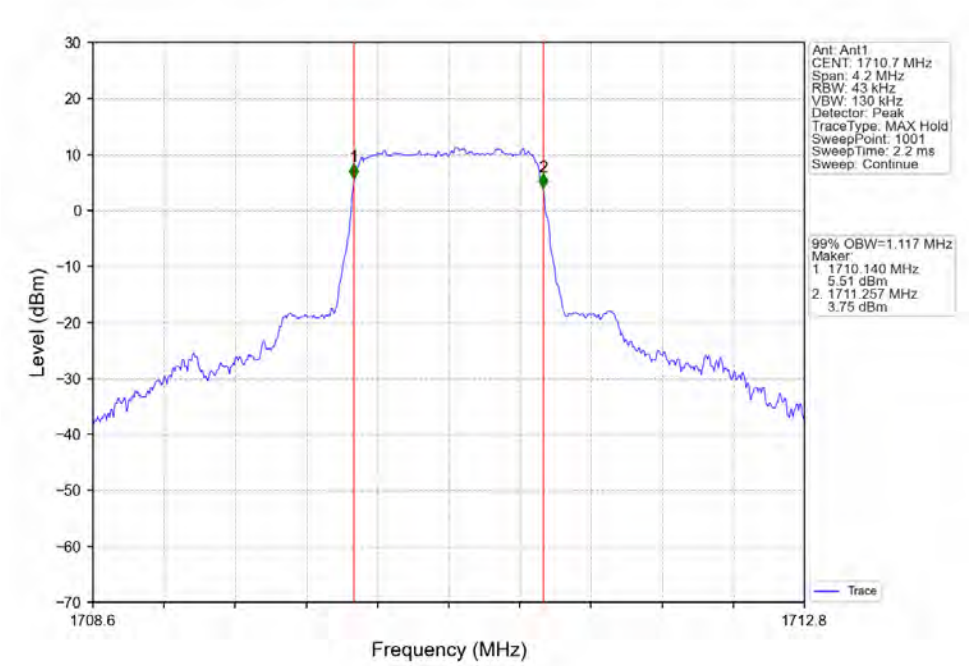
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	

1.4	QPSK	1710.7	6	0	1.305	/	Pass
		1732.5	6	0	1.296	/	Pass
		1754.3	6	0	1.314	/	Pass
	16QAM	1710.7	6	0	1.315	/	Pass
		1732.5	6	0	1.298	/	Pass
		1754.3	6	0	1.316	/	Pass
3	QPSK	1711.5	15	0	3.005	/	Pass
		1732.5	15	0	3.039	/	Pass
		1753.5	15	0	3.053	/	Pass
	16QAM	1711.5	15	0	3.040	/	Pass
		1732.5	15	0	3.050	/	Pass
		1753.5	15	0	3.050	/	Pass
5	QPSK	1712.5	25	0	4.995	/	Pass
		1732.5	25	0	5.032	/	Pass
		1752.5	25	0	5.017	/	Pass
	16QAM	1712.5	25	0	4.966	/	Pass
		1732.5	25	0	5.005	/	Pass
		1752.5	25	0	5.006	/	Pass
10	QPSK	1715	50	0	9.872	/	Pass
		1732.5	50	0	9.883	/	Pass
		1750	50	0	9.930	/	Pass
	16QAM	1715	50	0	9.901	/	Pass
		1732.5	50	0	9.847	/	Pass
		1750	50	0	9.840	/	Pass
15	QPSK	1717.5	75	0	14.800	/	Pass
		1732.5	75	0	14.862	/	Pass
		1747.5	75	0	14.860	/	Pass
	16QAM	1717.5	75	0	14.808	/	Pass
		1732.5	75	0	14.823	/	Pass
		1747.5	75	0	14.914	/	Pass
20	QPSK	1720	100	0	19.604	/	Pass
		1732.5	100	0	19.671	/	Pass
		1745	100	0	19.733	/	Pass
	16QAM	1720	100	0	19.618	/	Pass
		1732.5	100	0	19.519	/	Pass
		1745	100	0	19.715	/	Pass

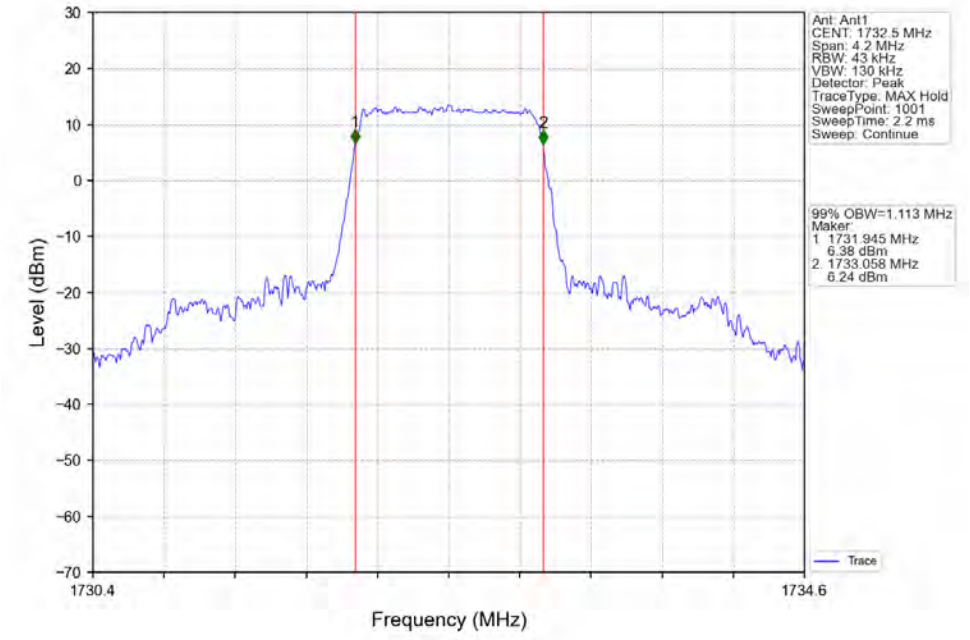
4.2 Test Graph

4.2.1 Band4_OBW

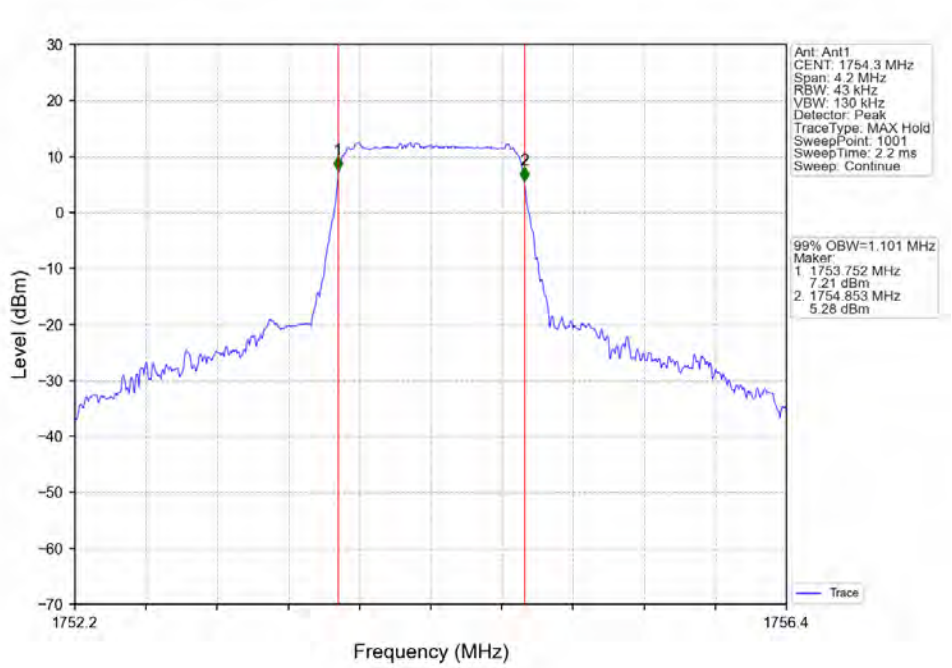
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



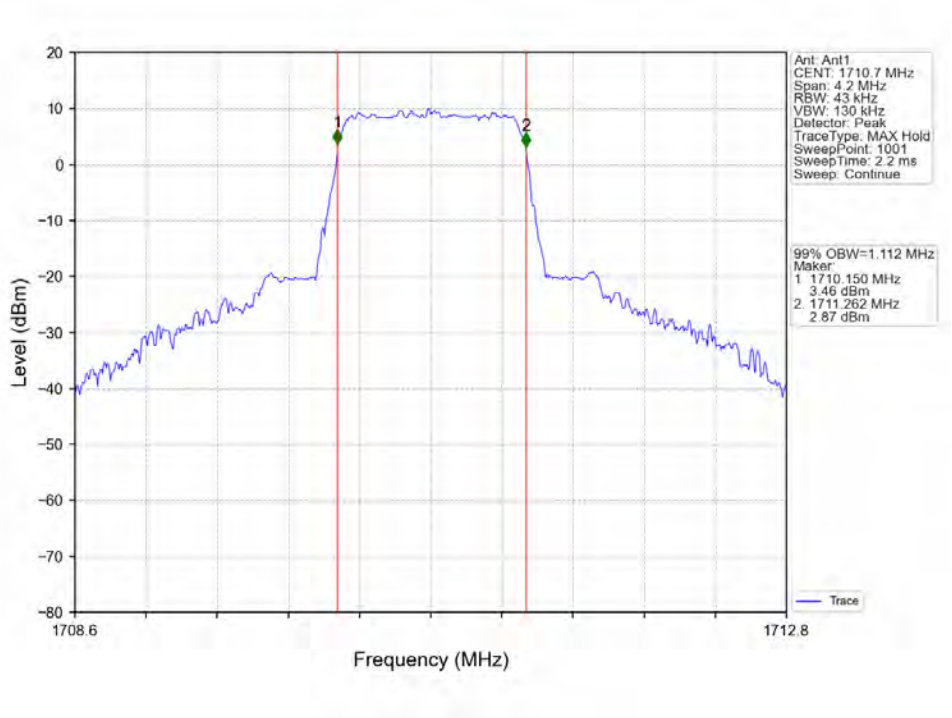
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



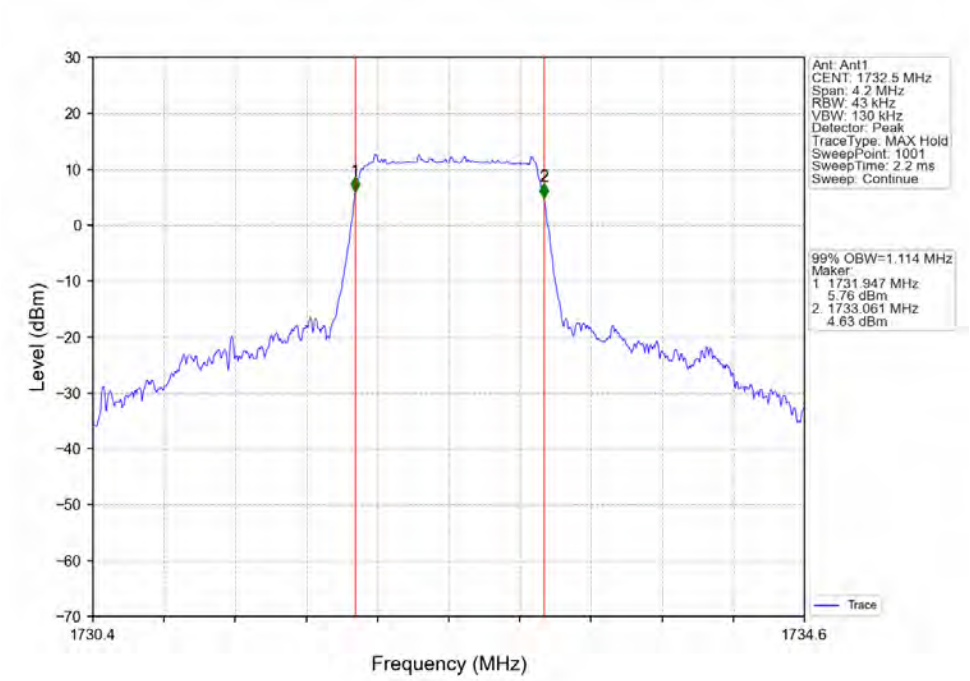
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



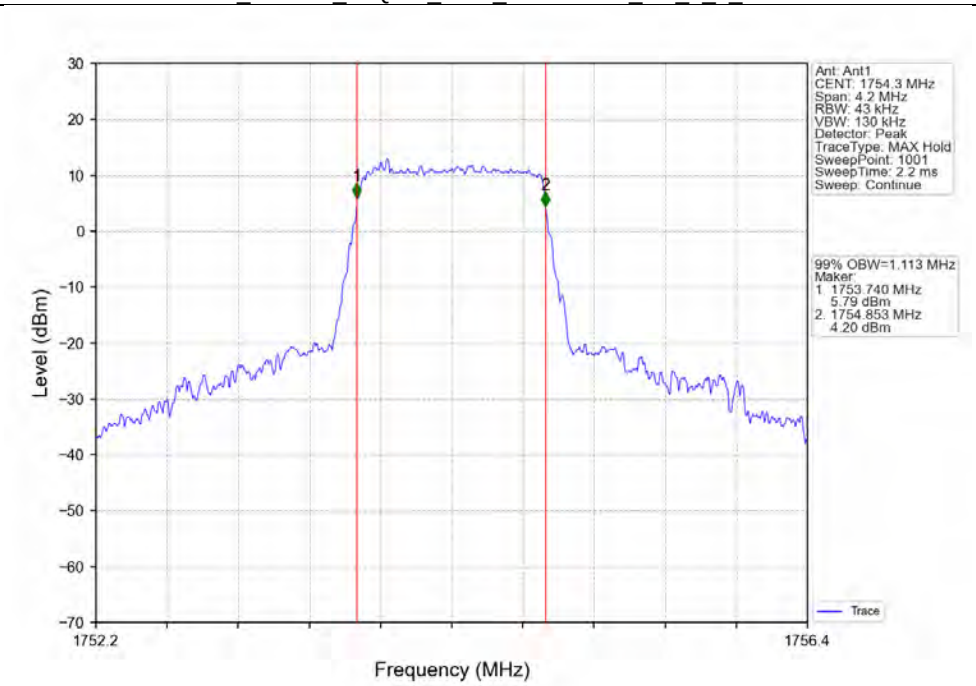
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



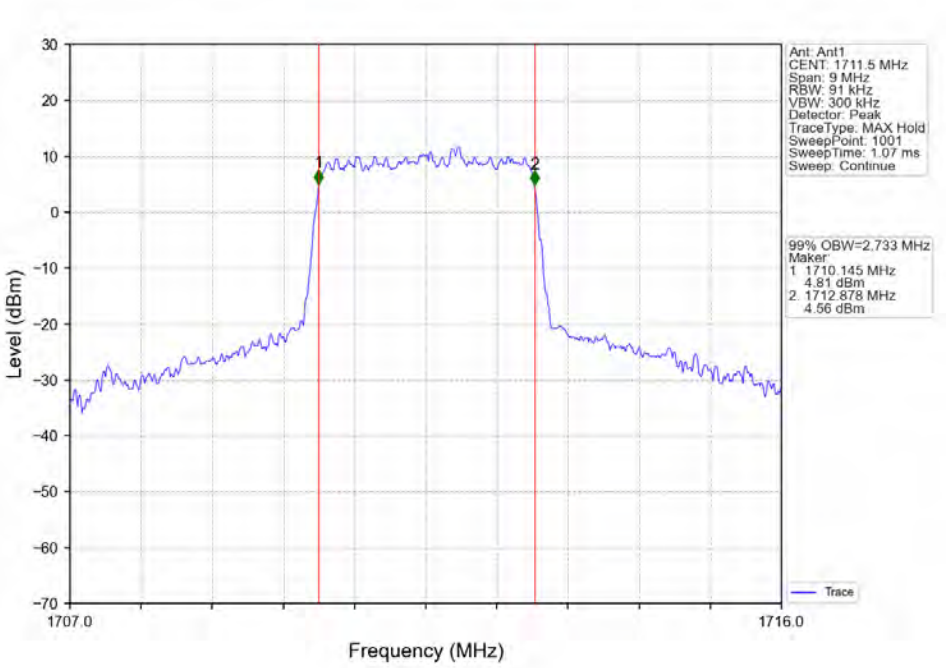
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



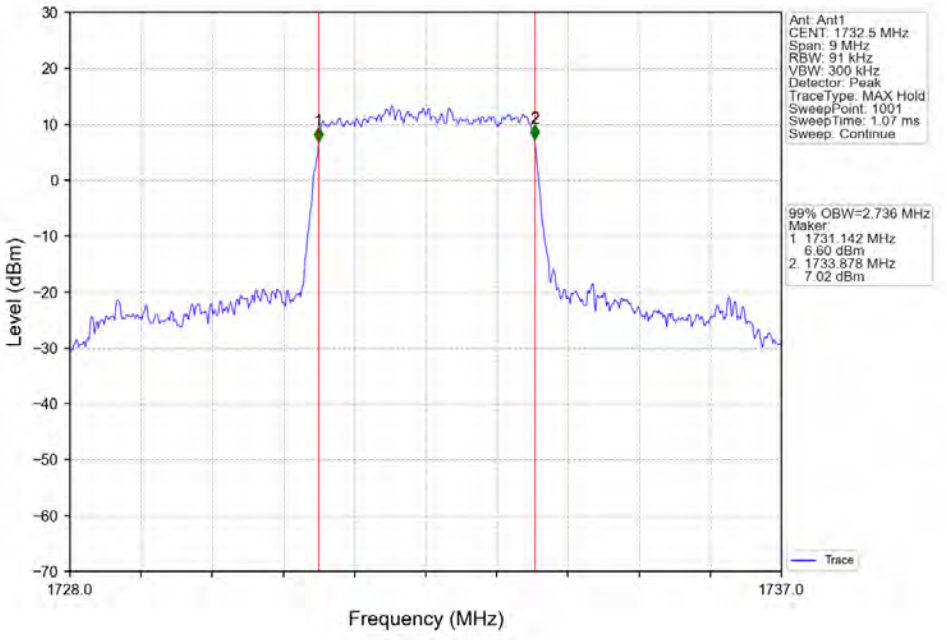
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



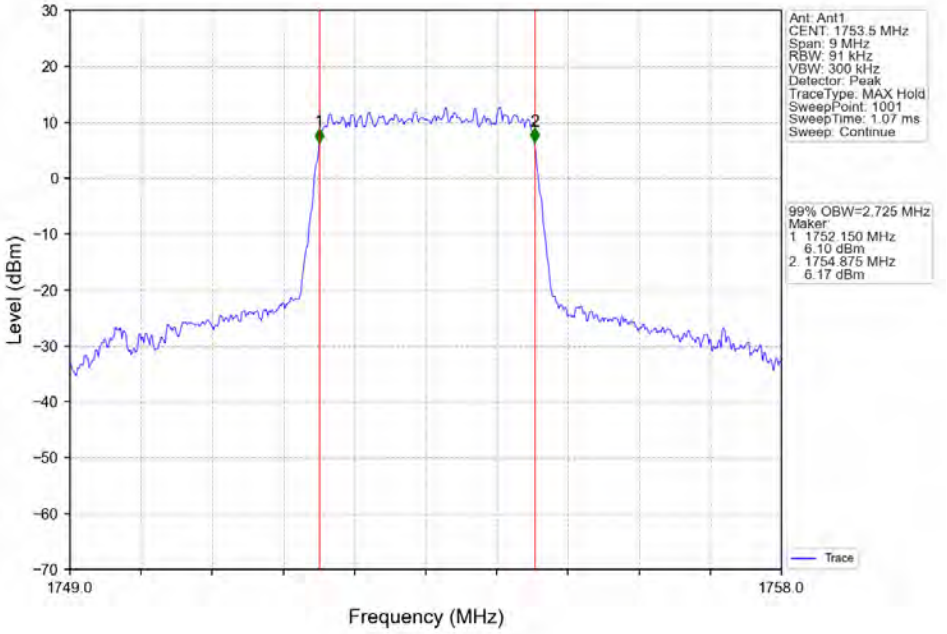
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



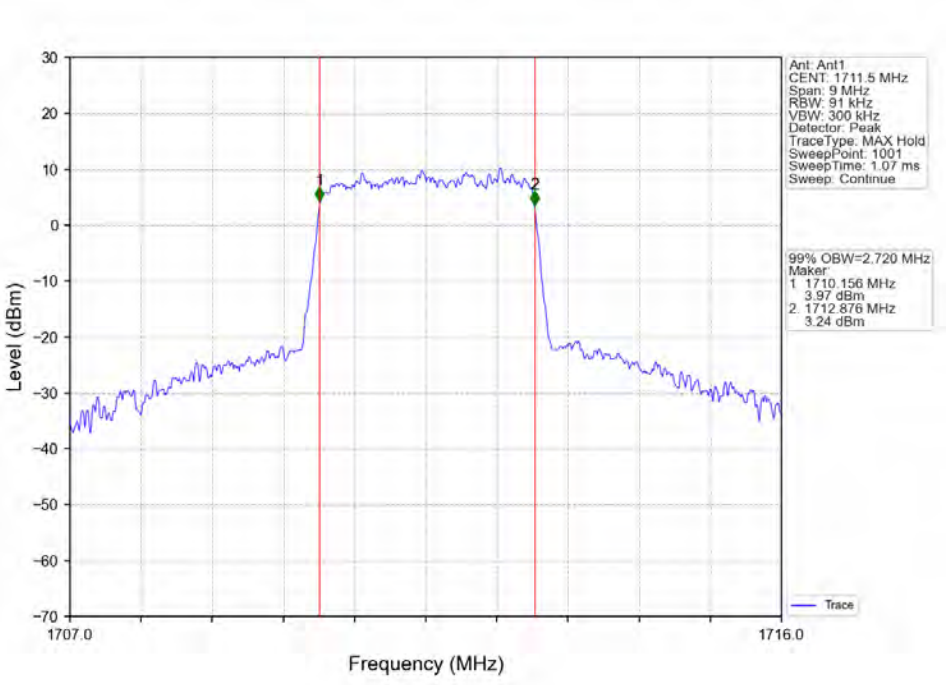
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



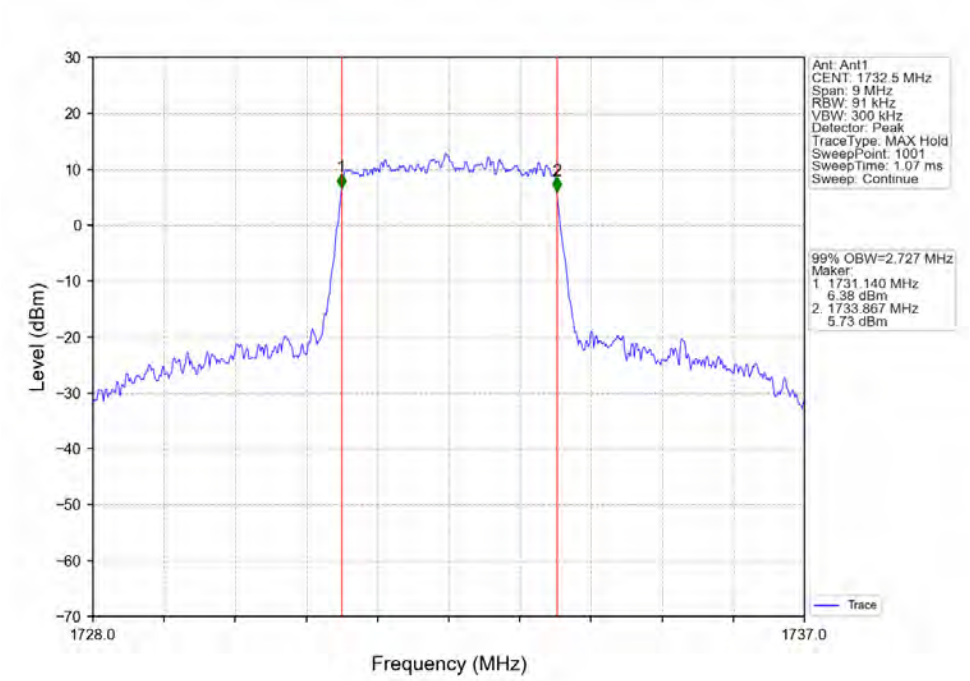
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



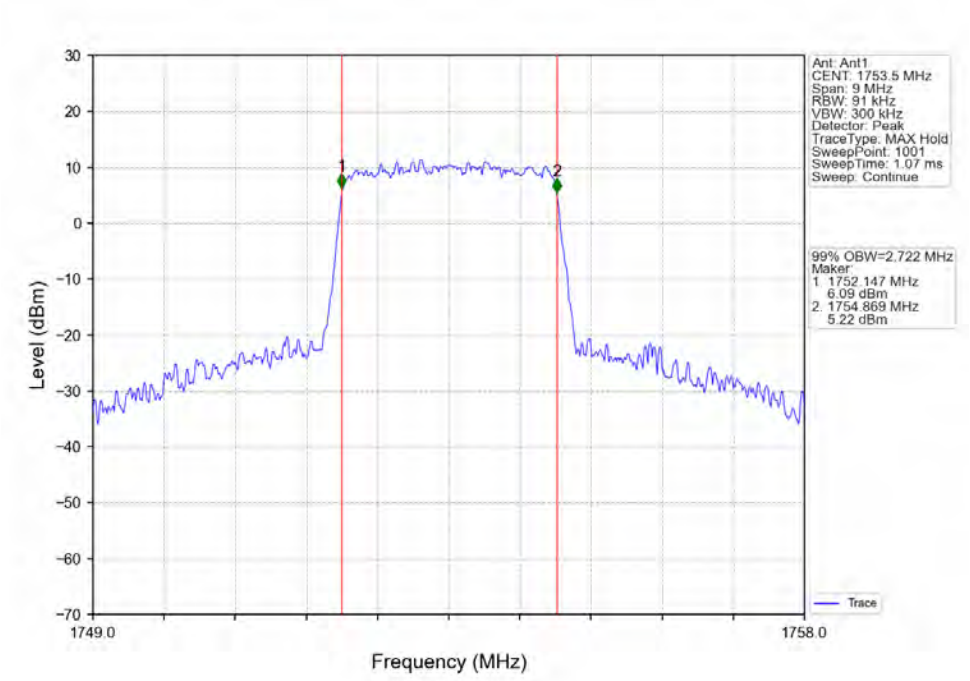
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



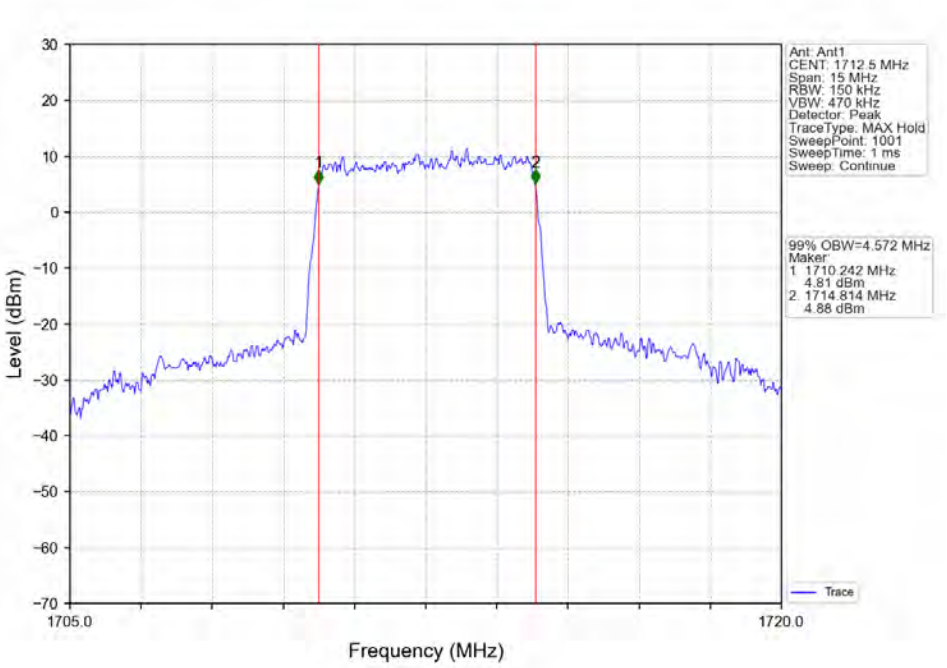
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



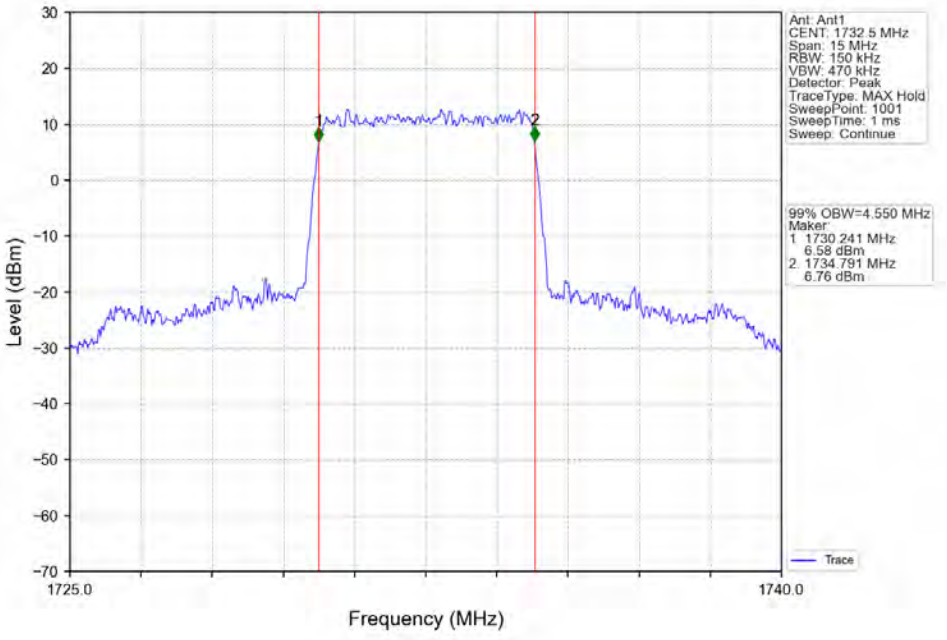
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



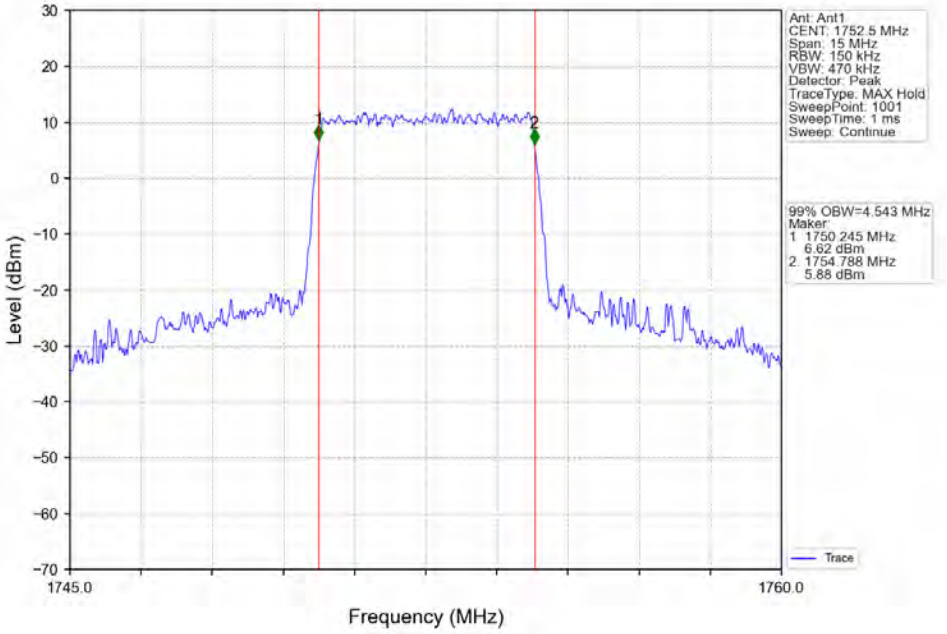
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



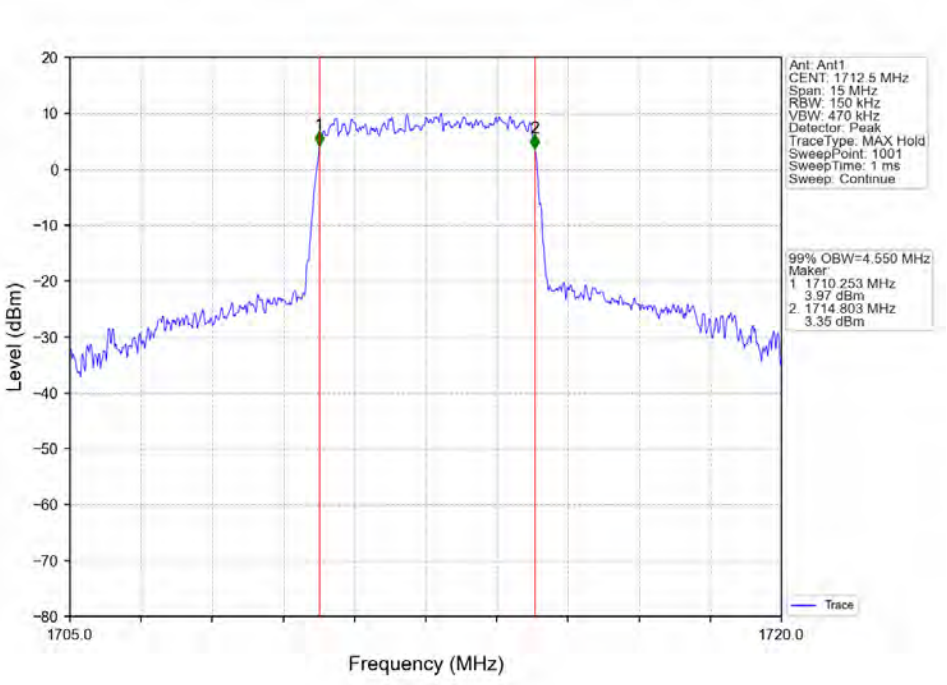
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



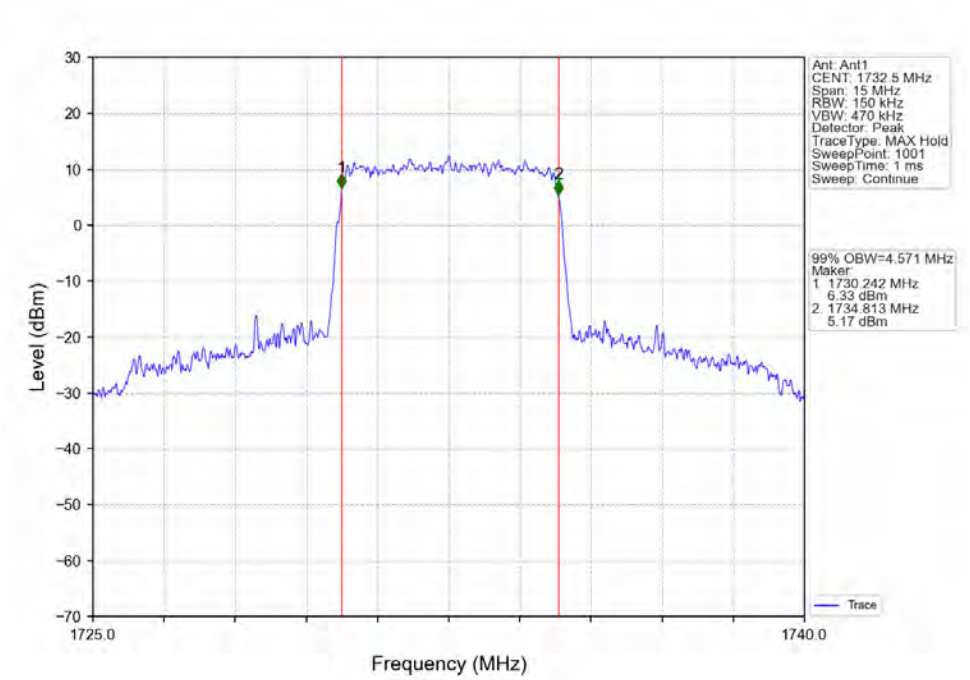
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



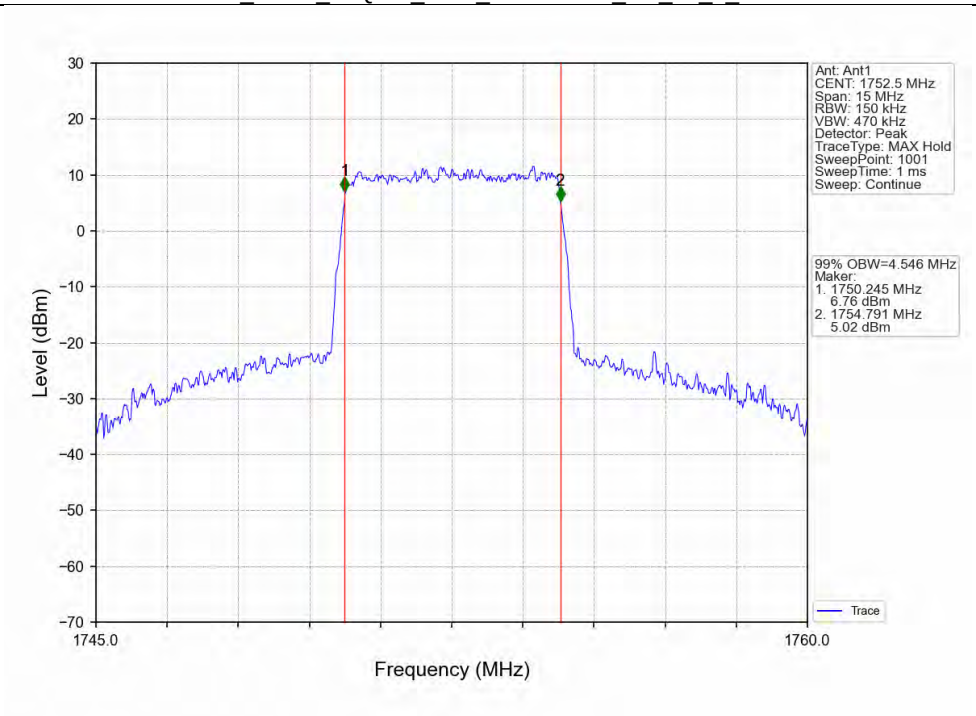
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



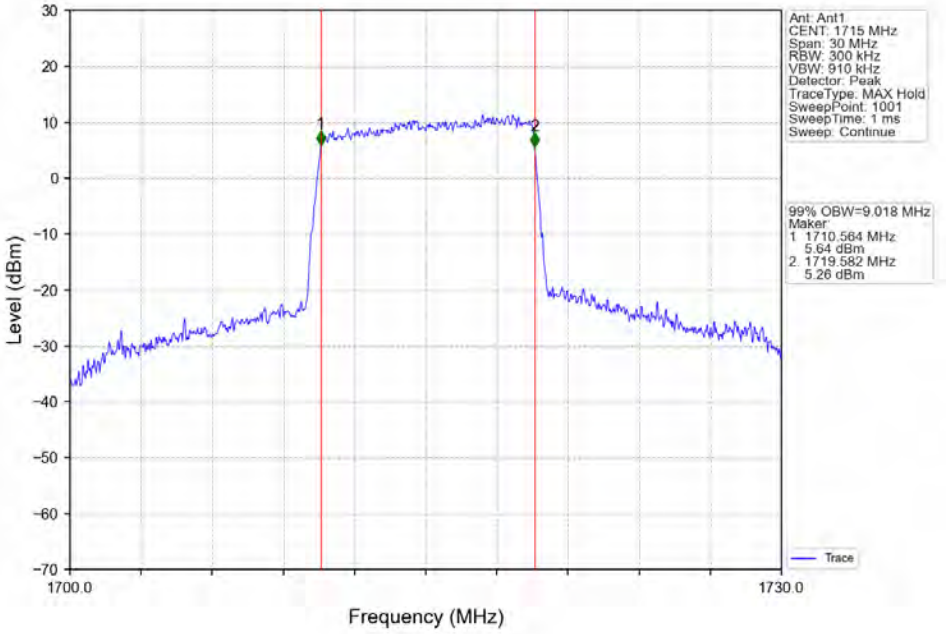
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



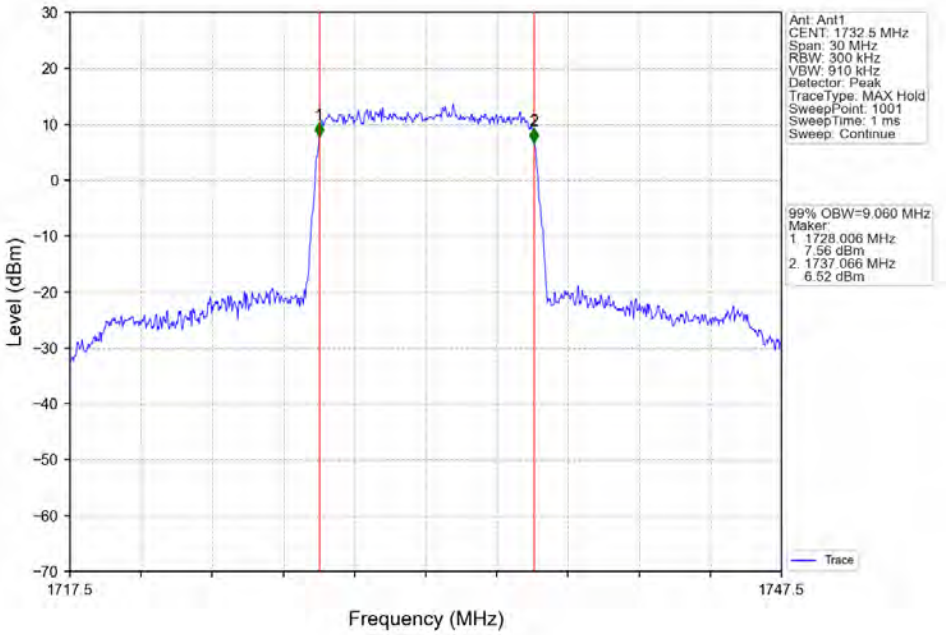
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



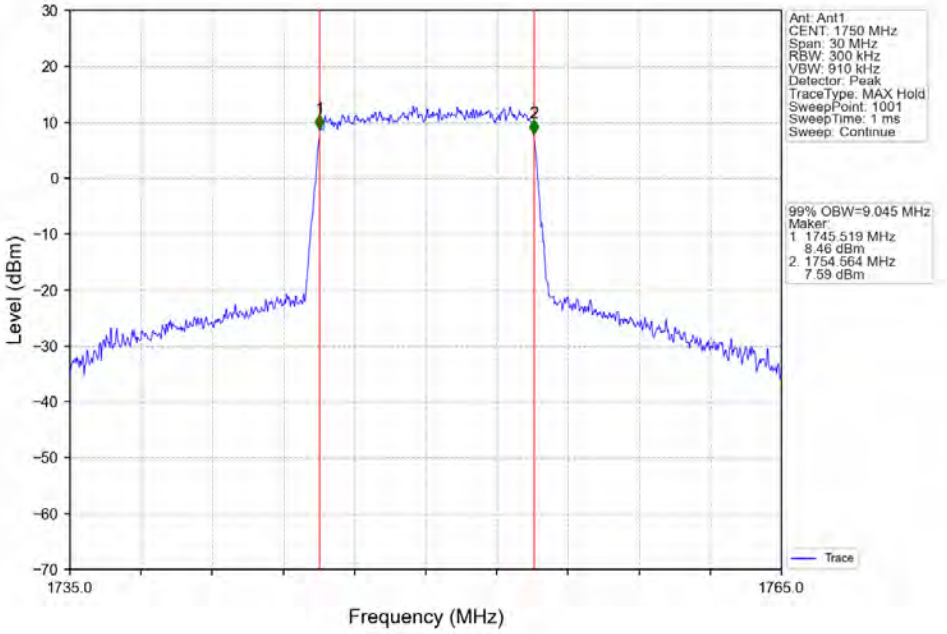
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



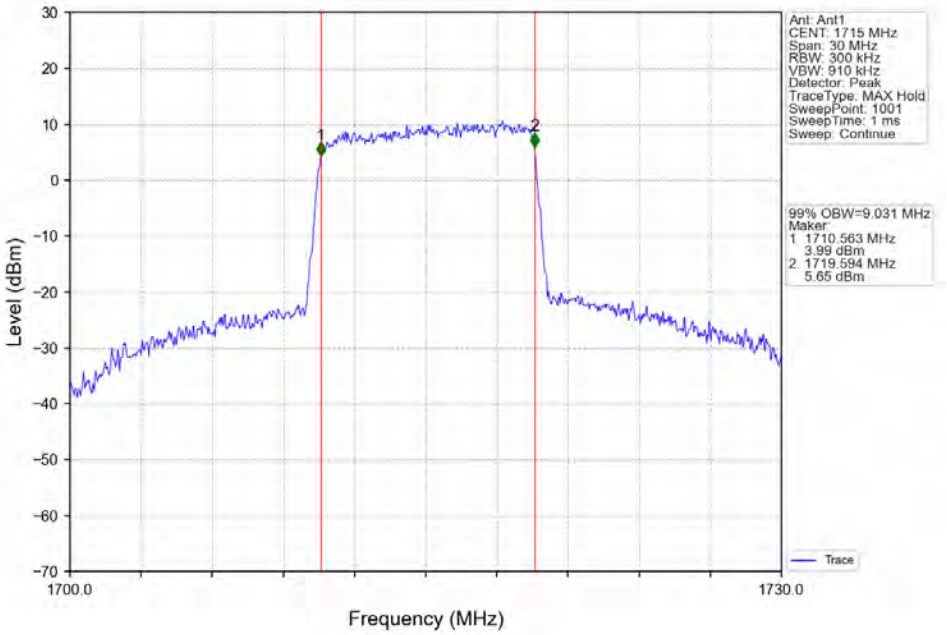
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



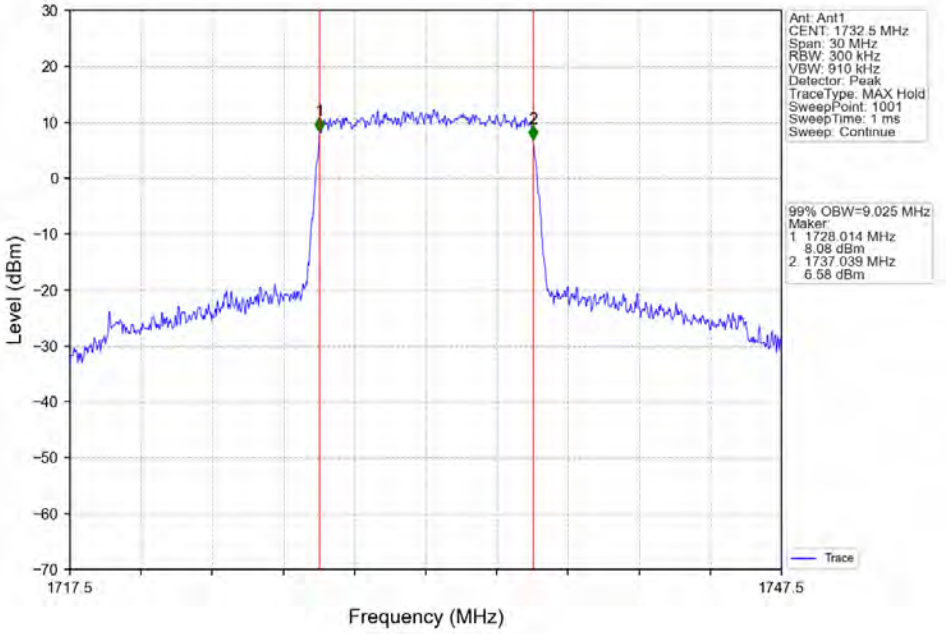
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



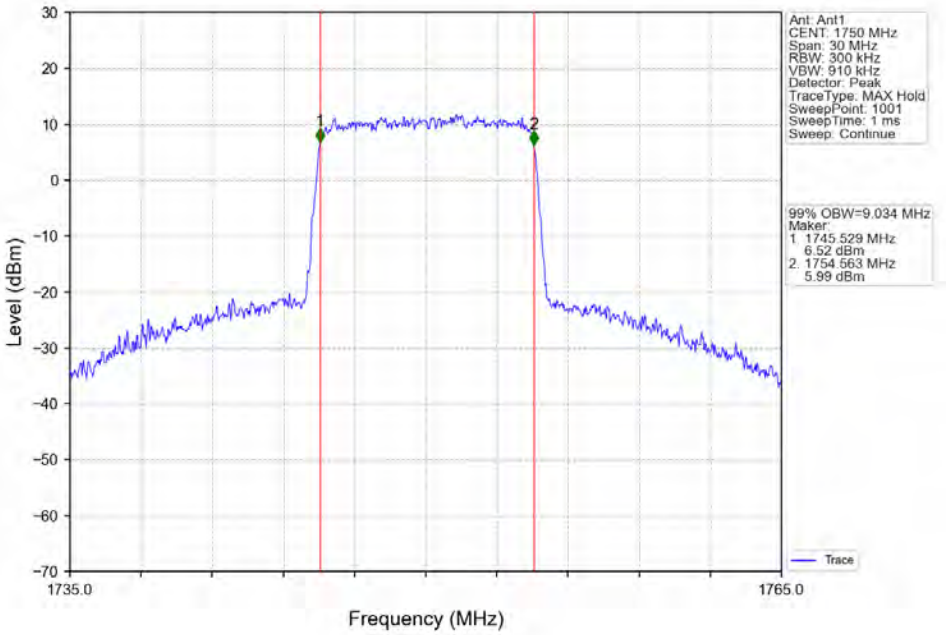
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



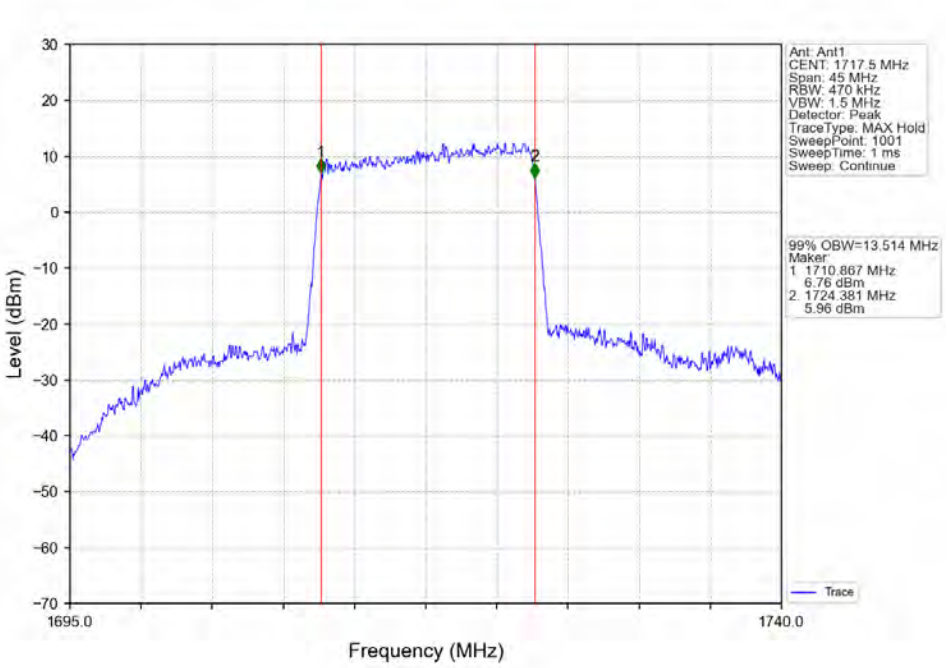
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



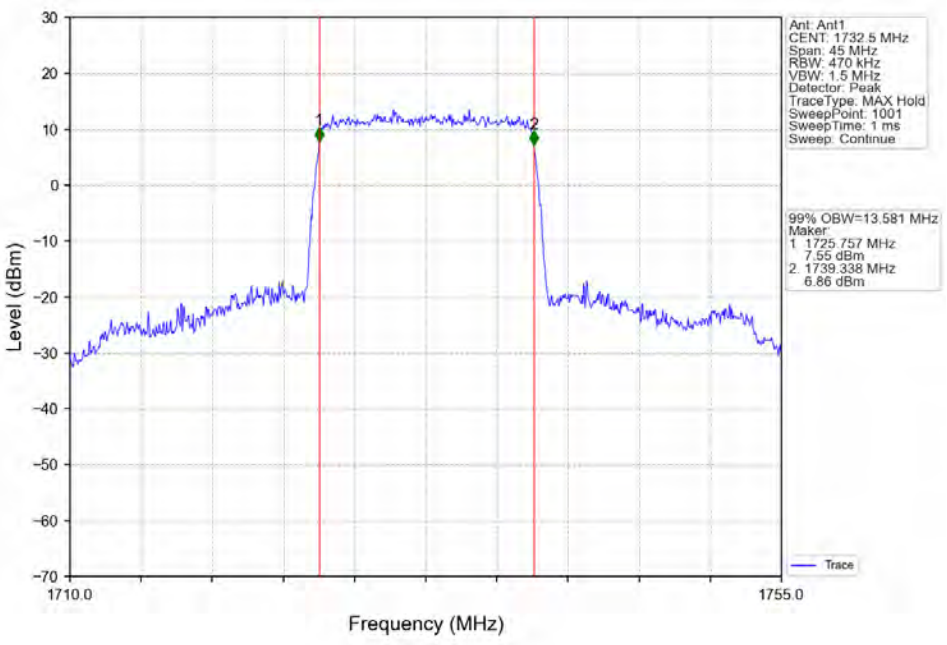
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



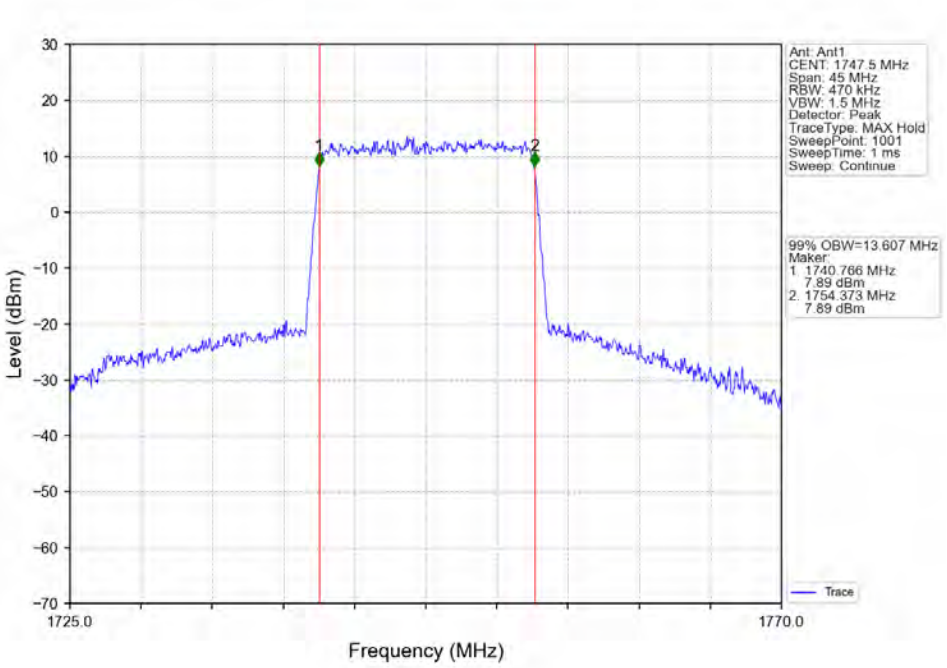
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



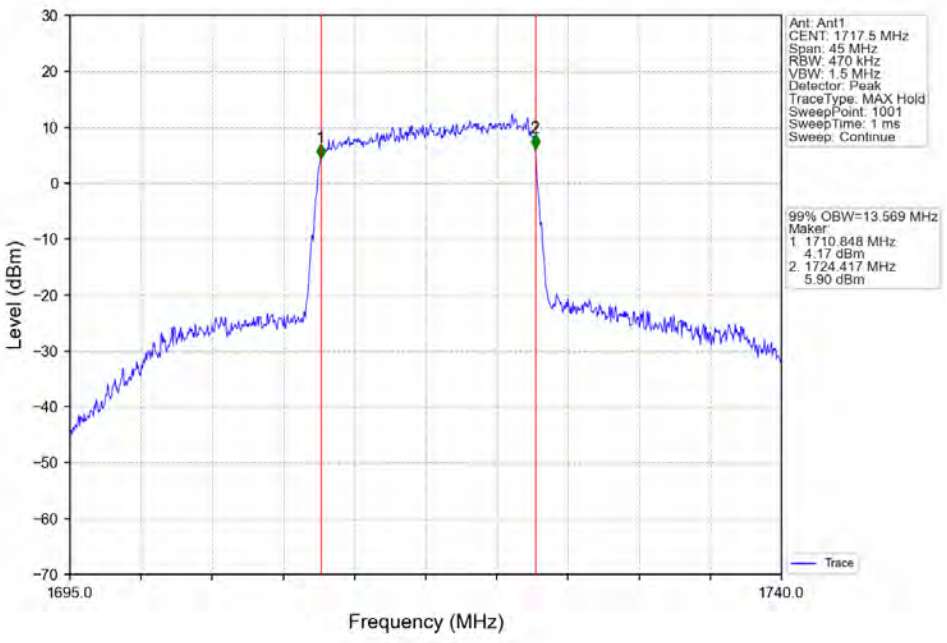
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



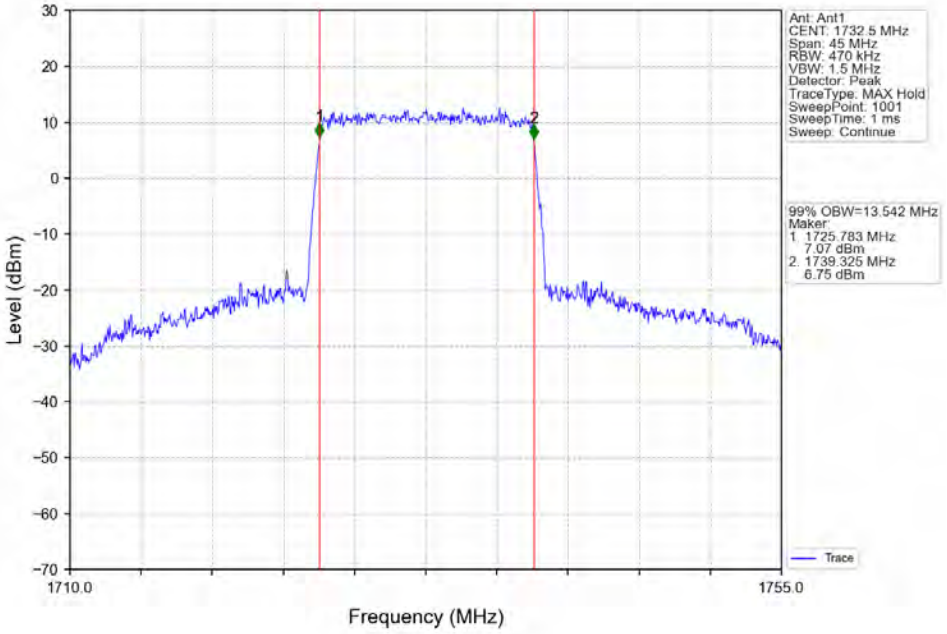
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



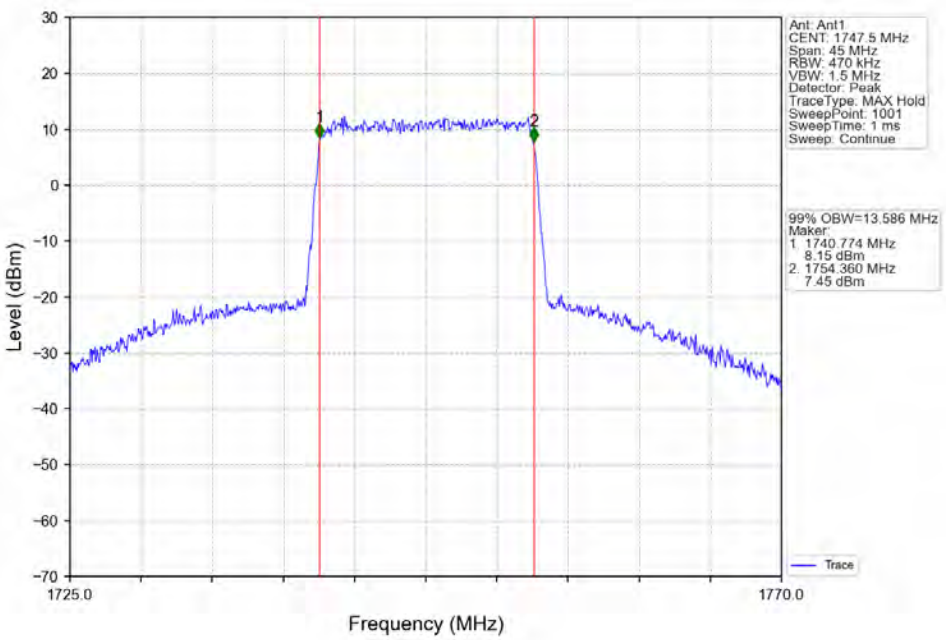
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



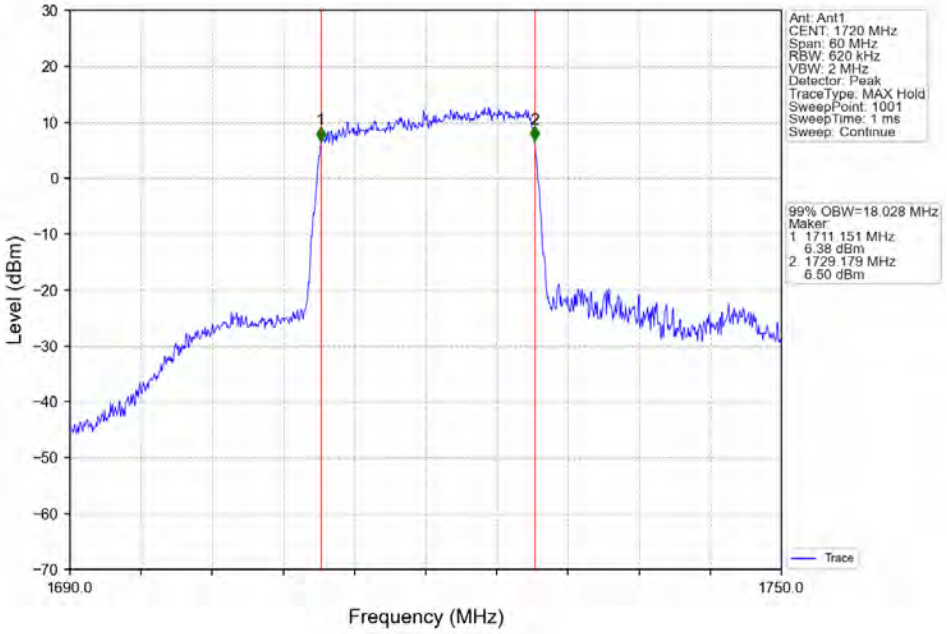
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



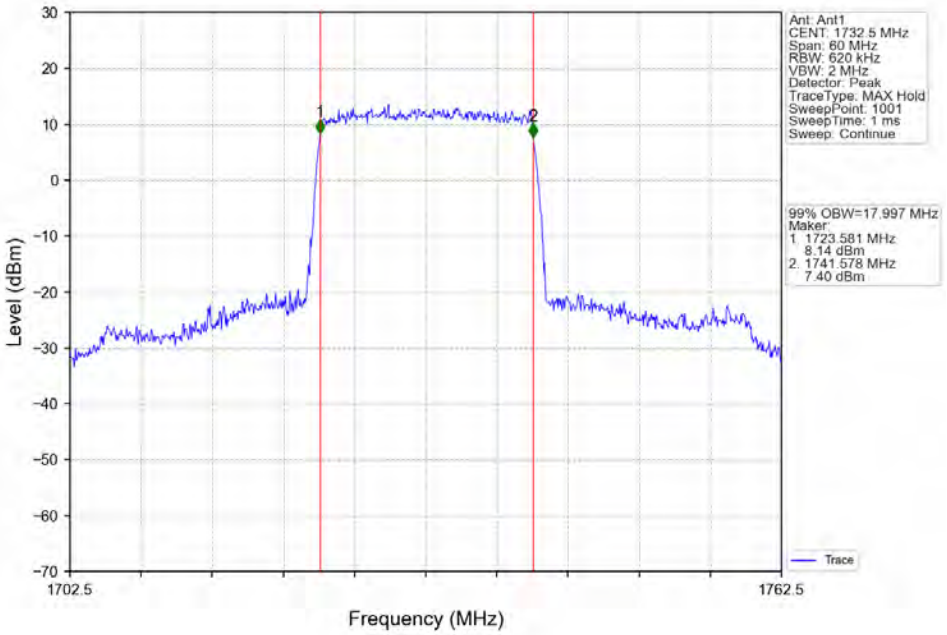
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



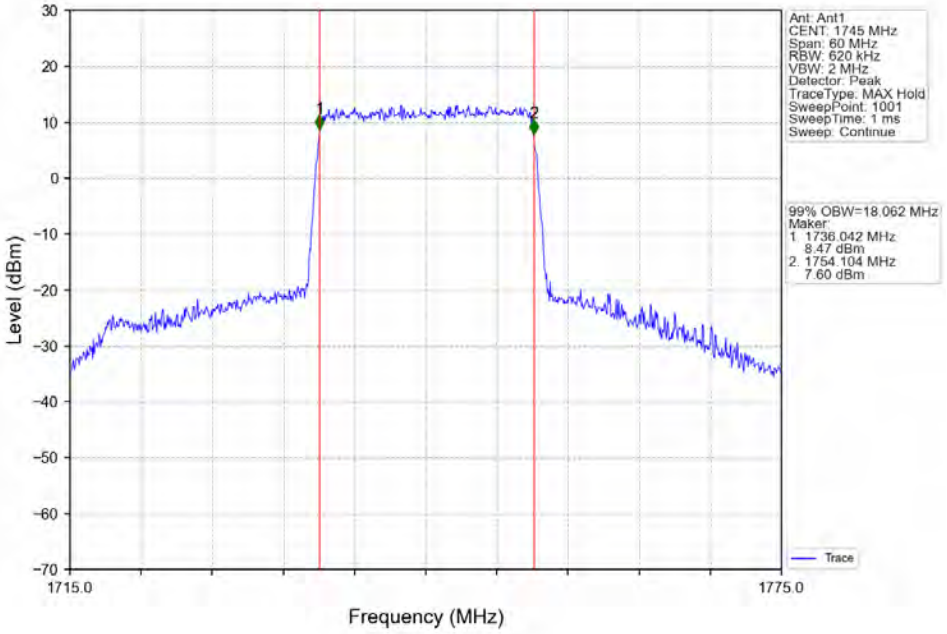
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



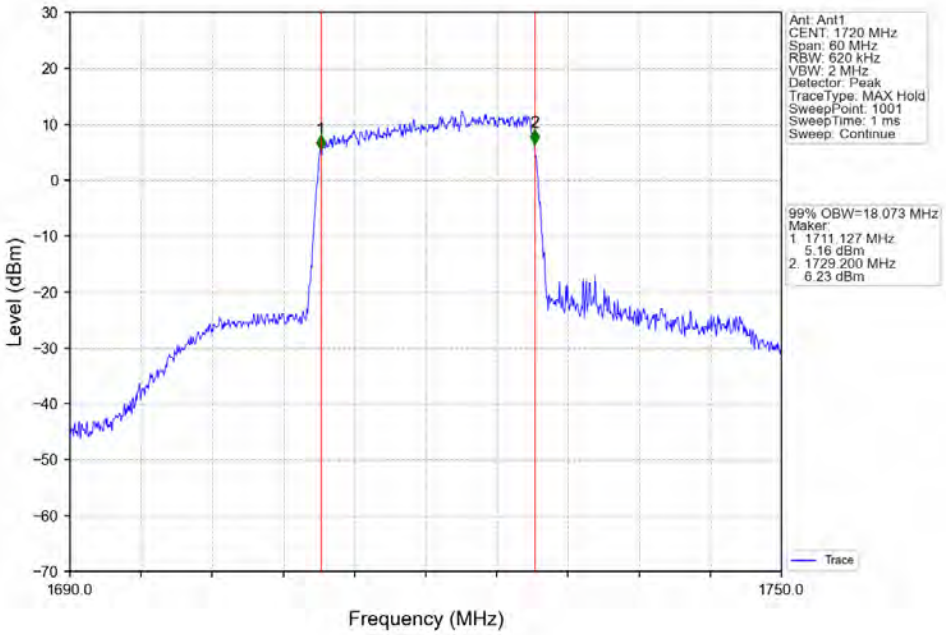
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



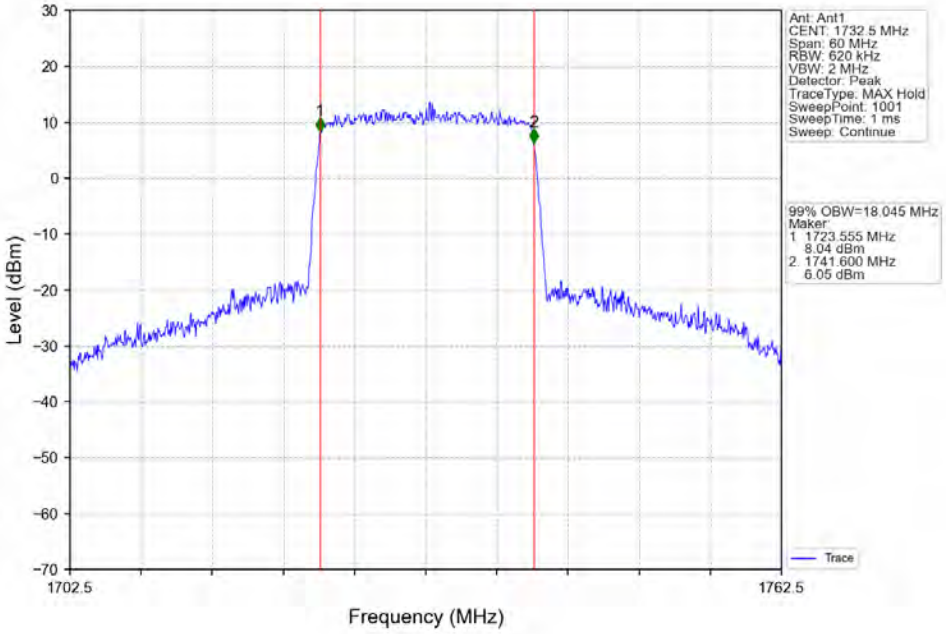
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



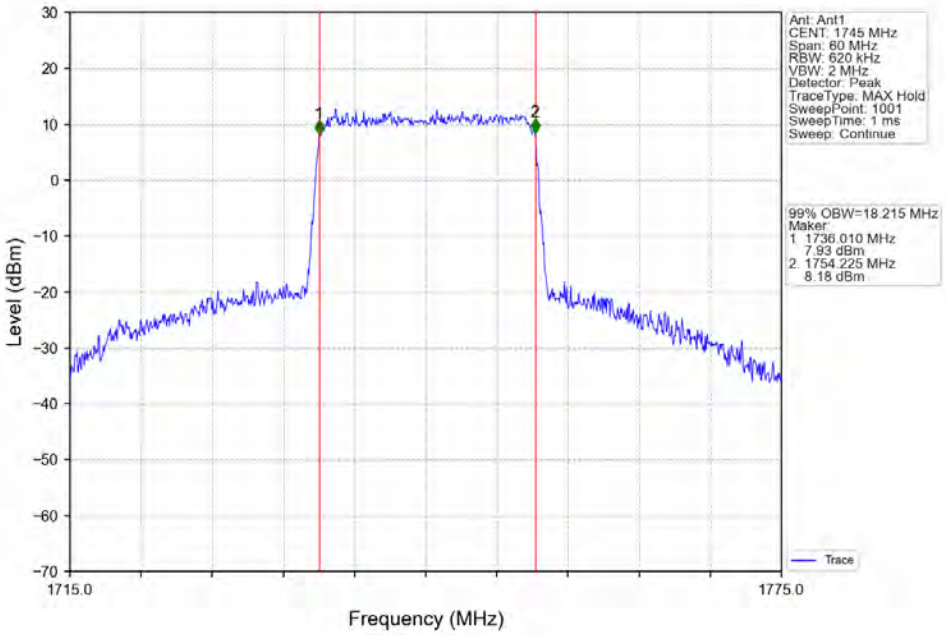
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

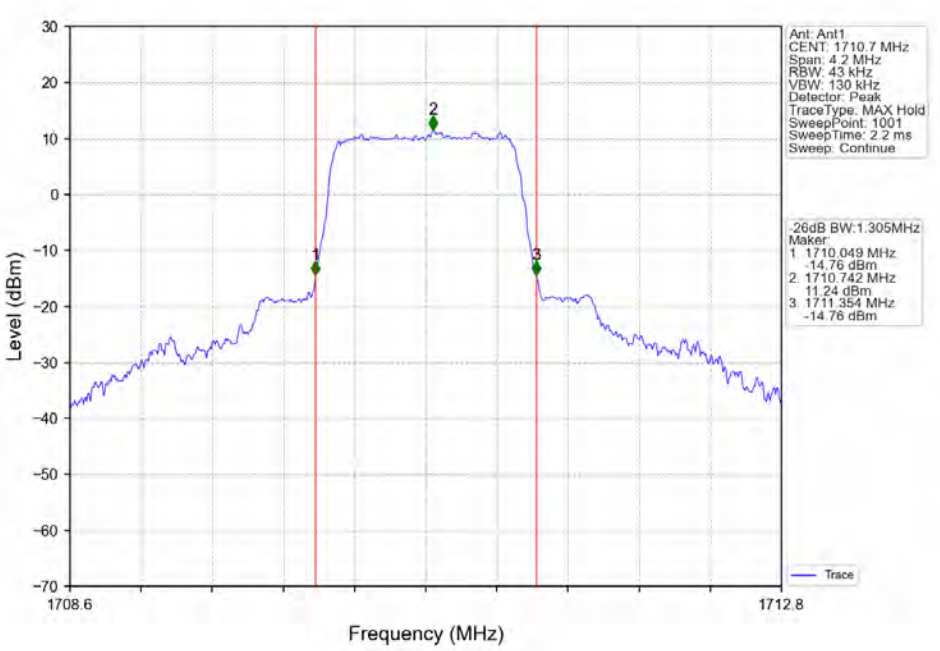


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

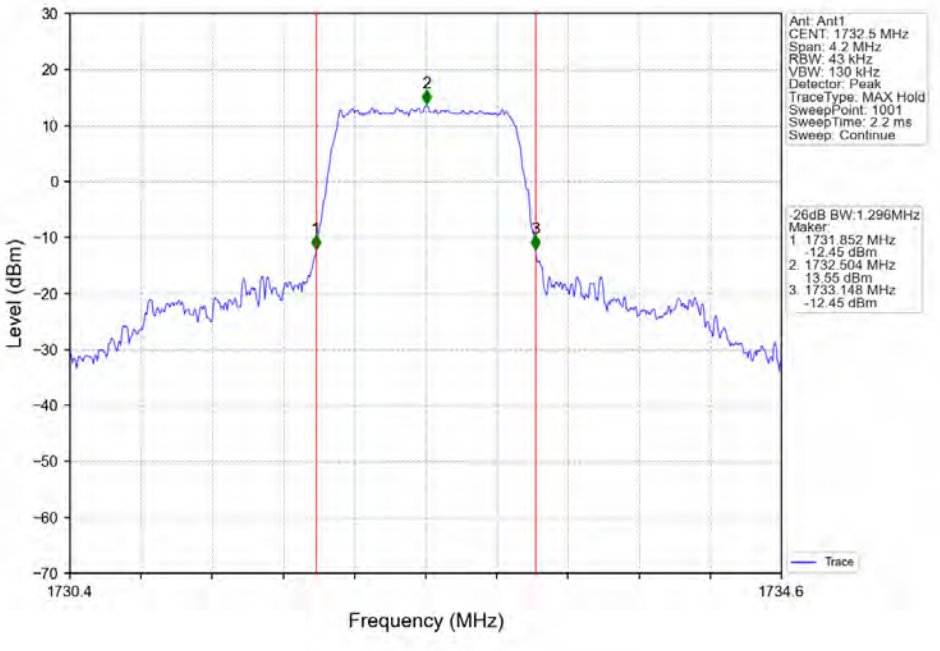


4.2.2 Band4_XDB

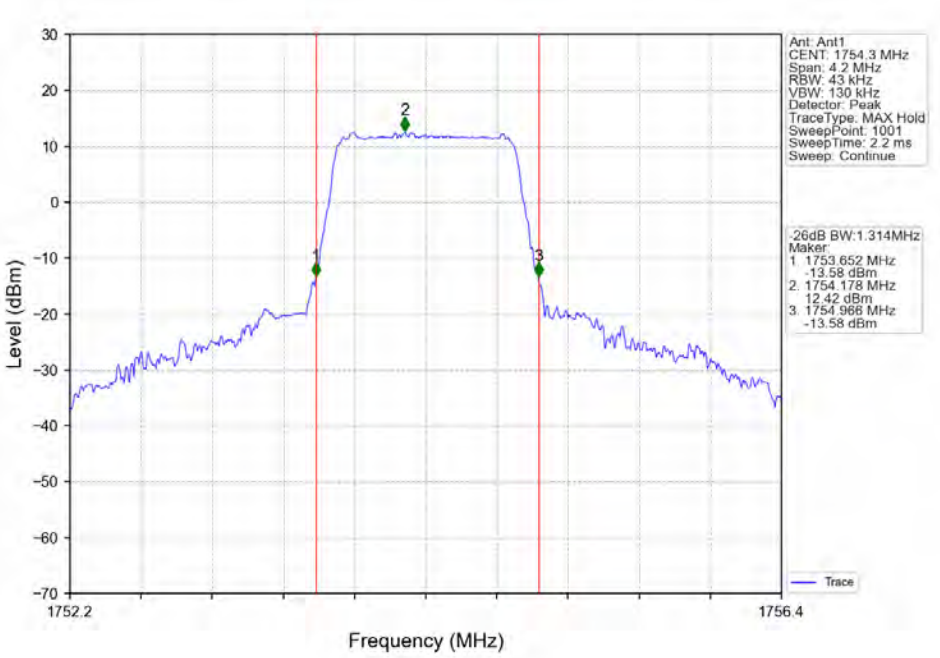
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



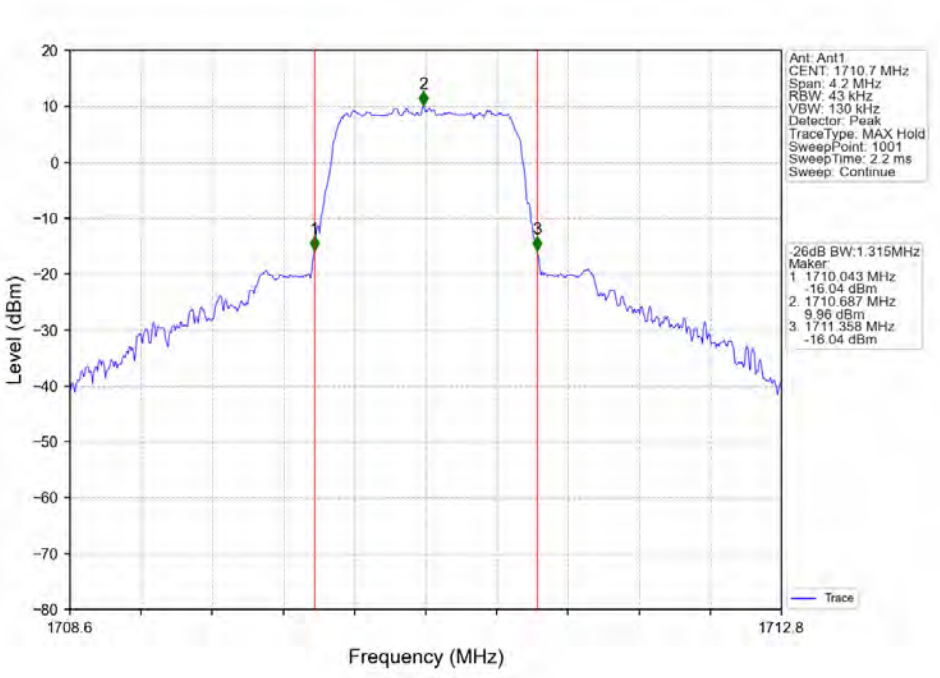
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



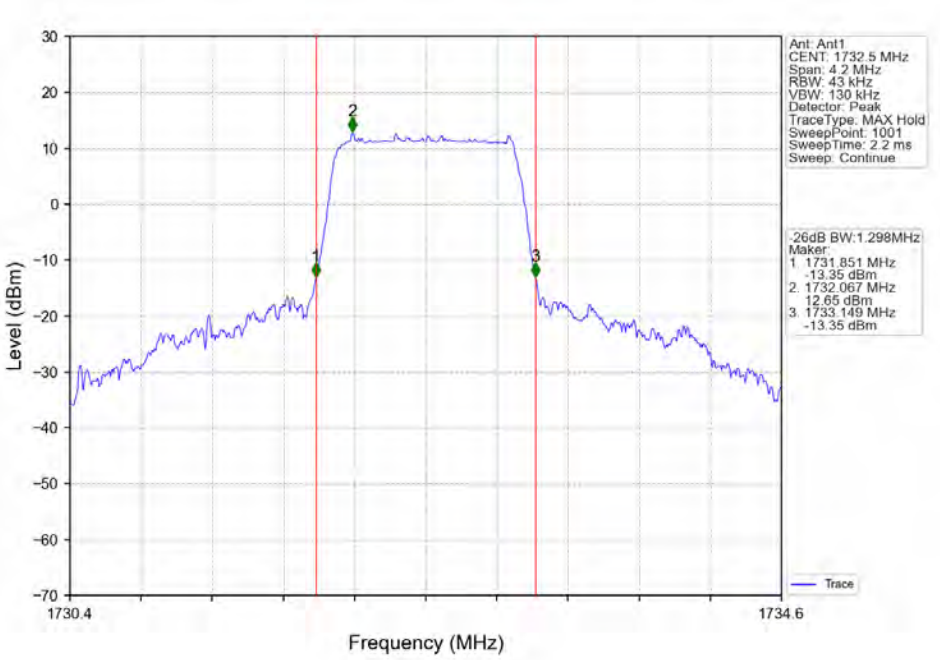
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



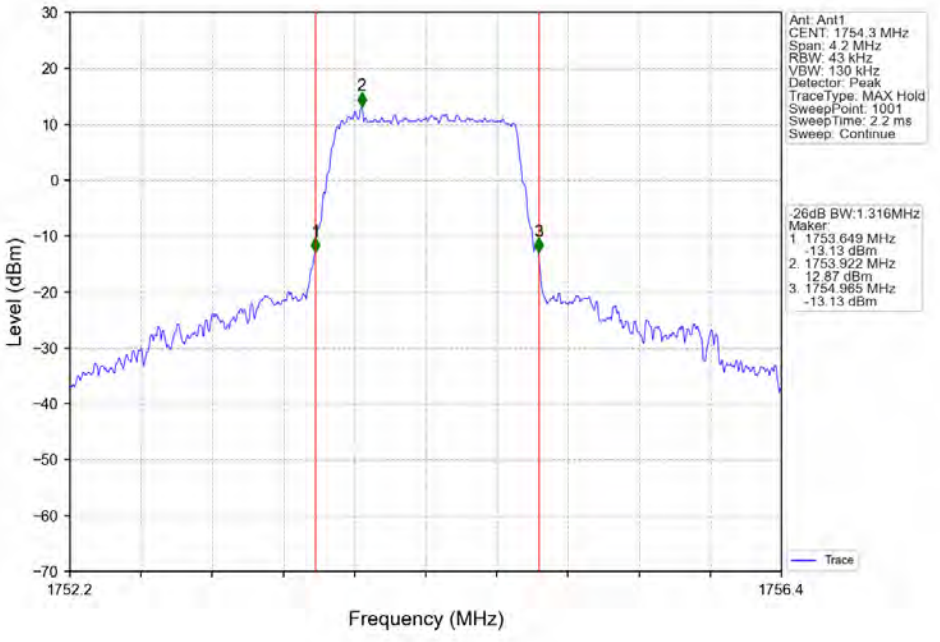
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



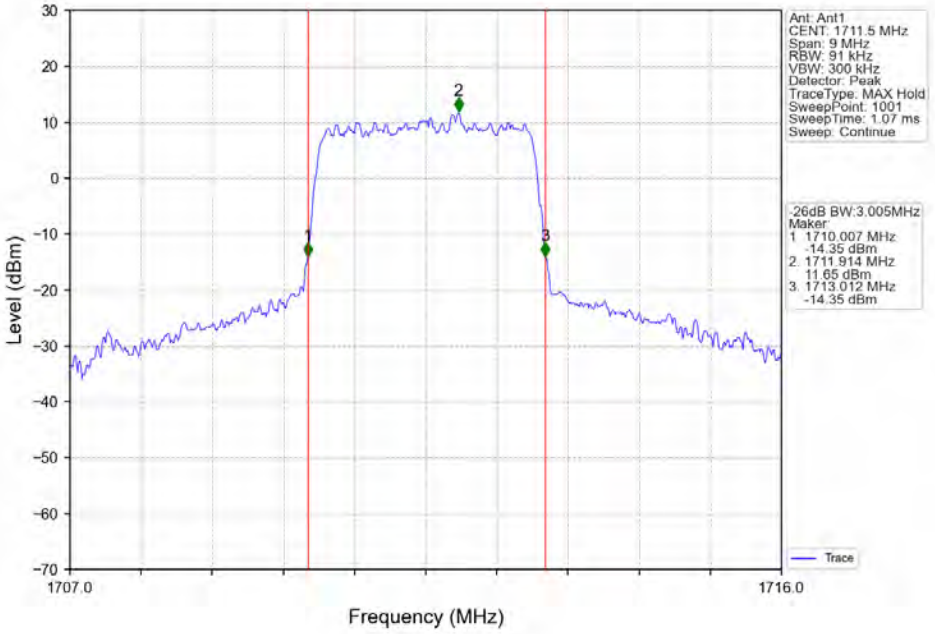
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



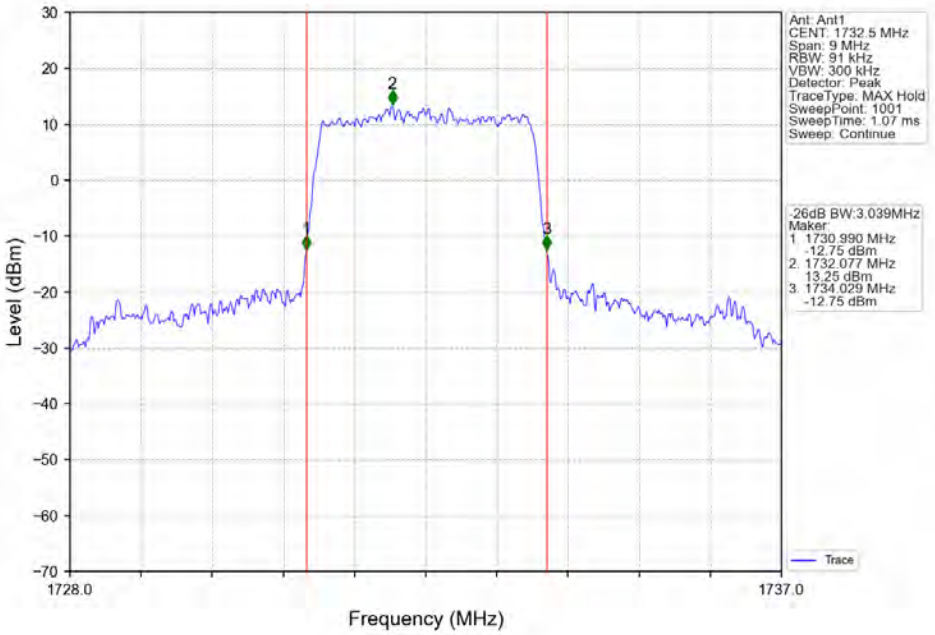
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



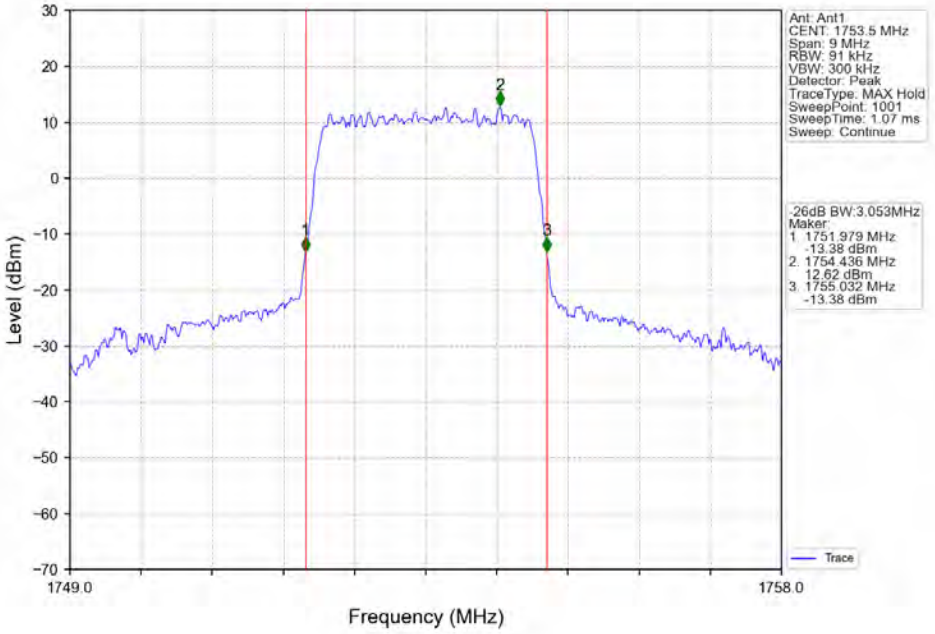
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



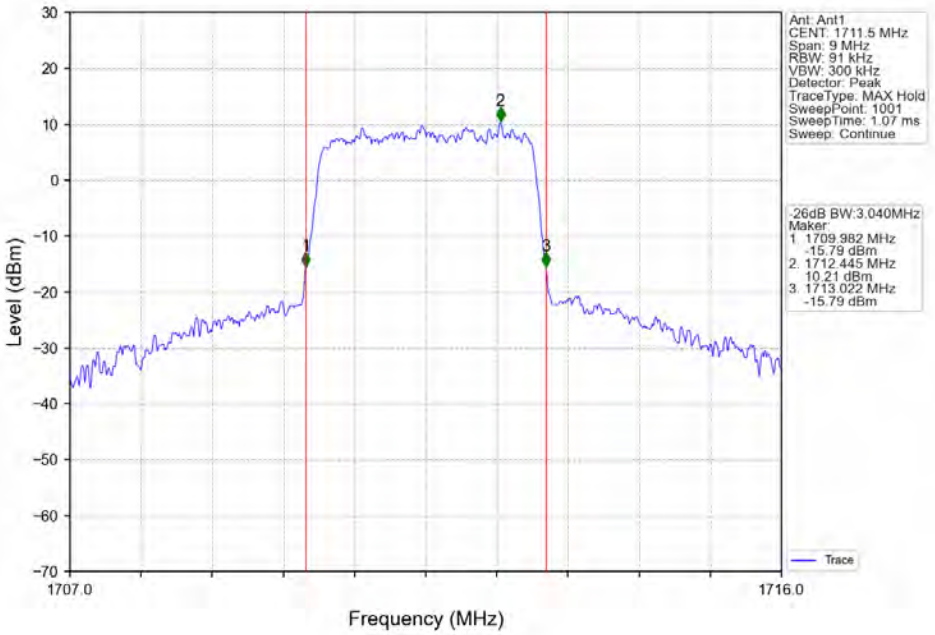
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



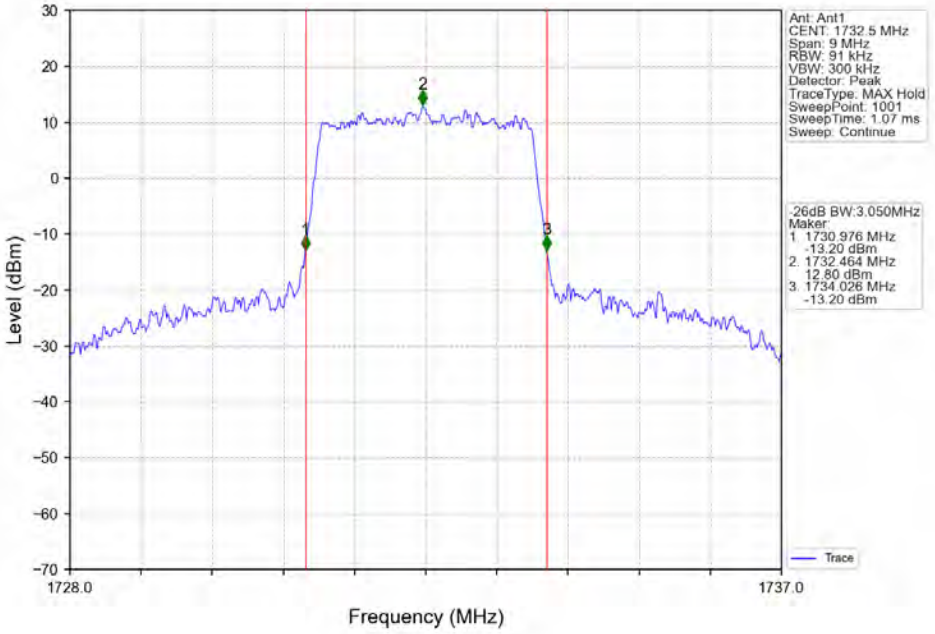
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



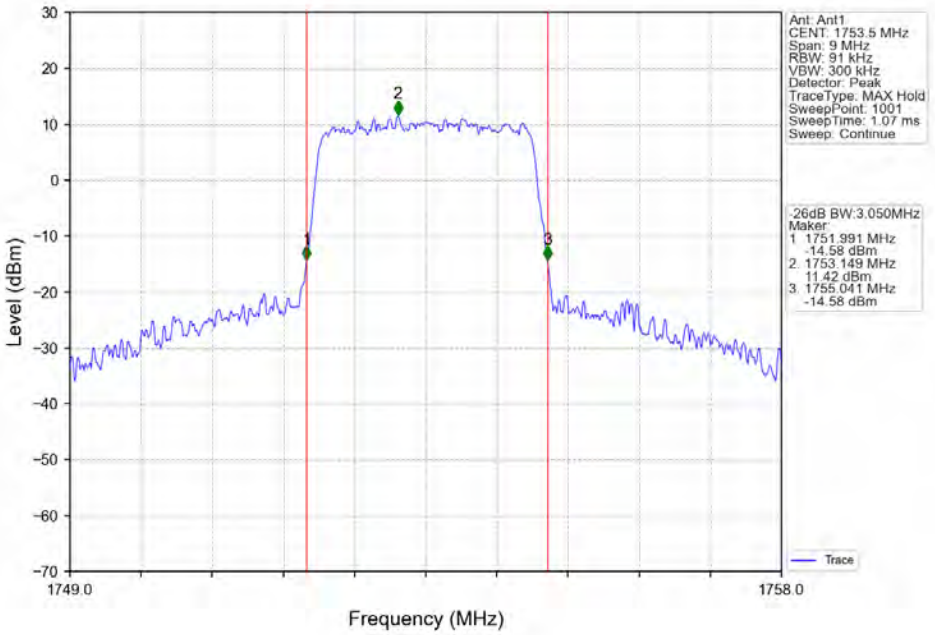
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



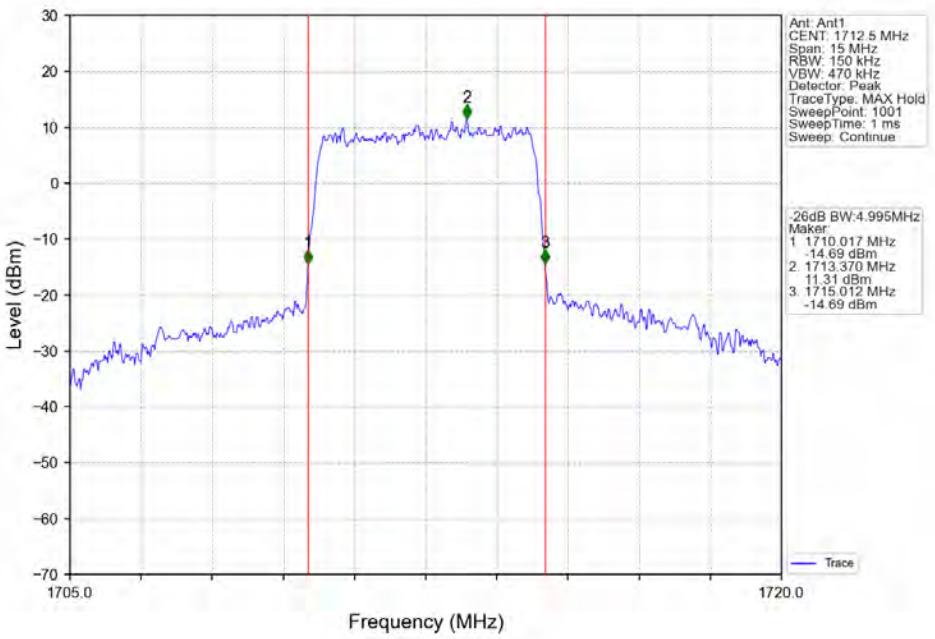
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



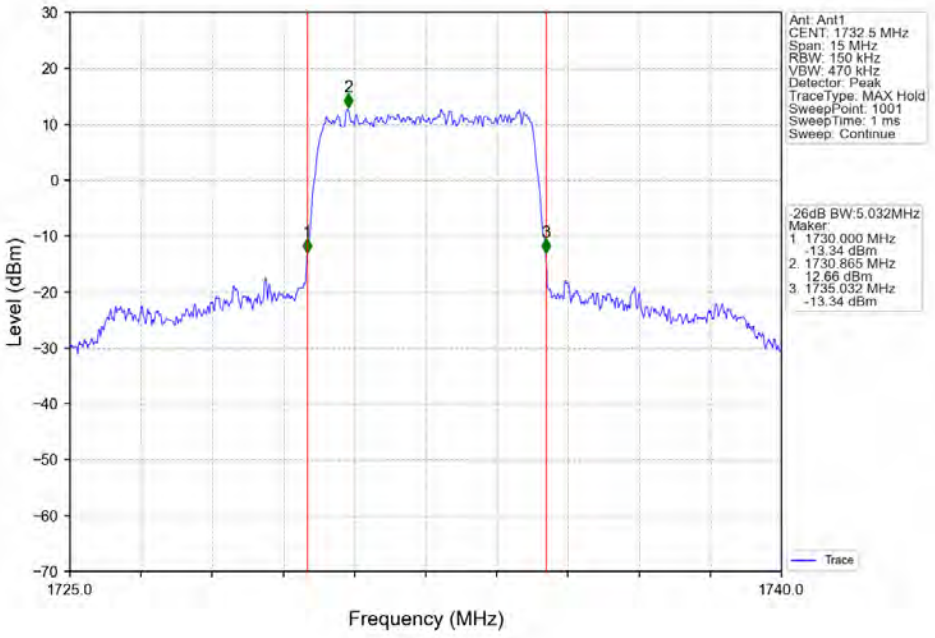
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



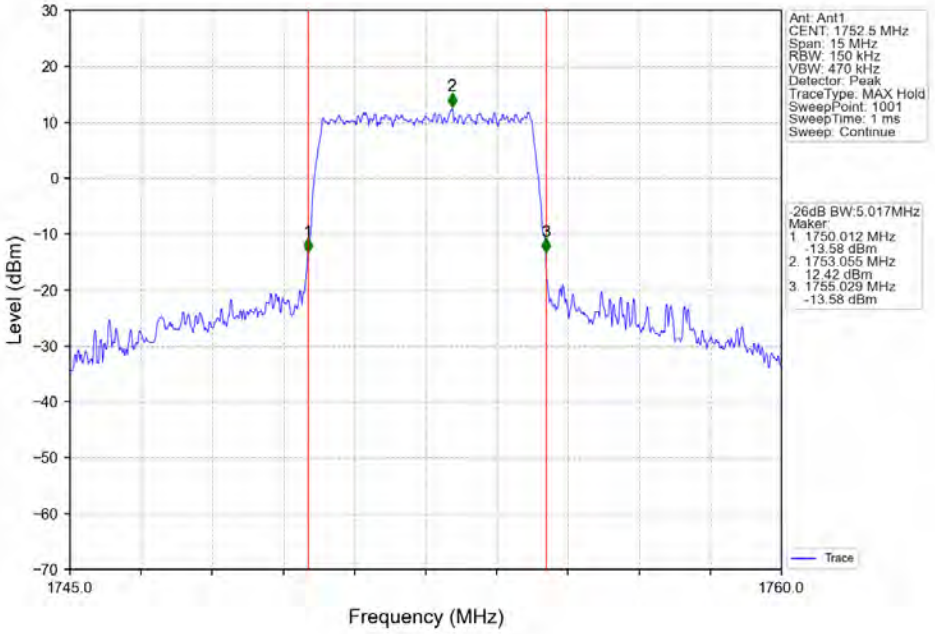
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



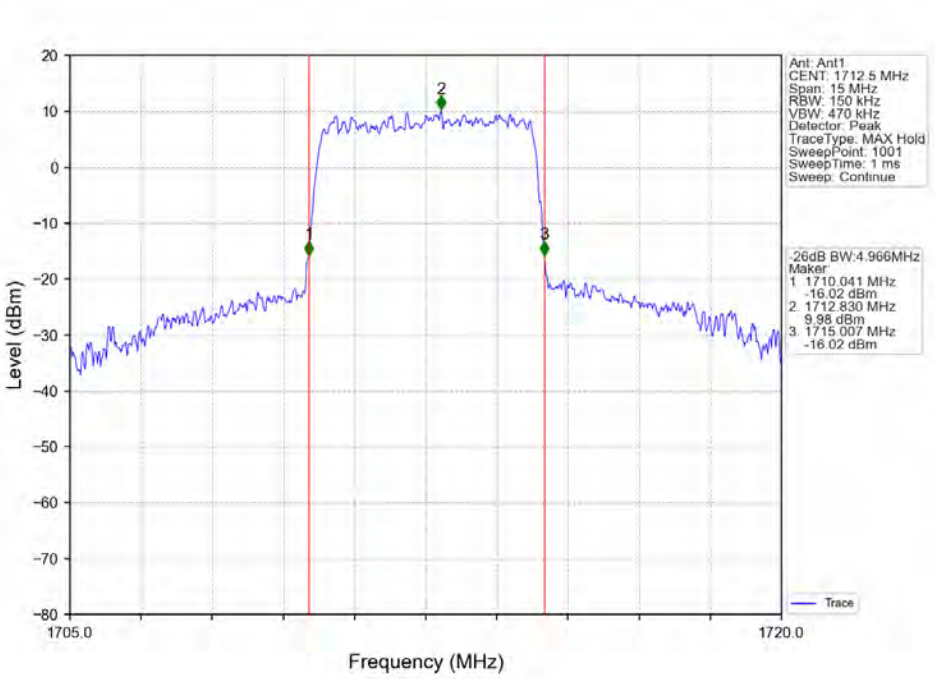
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



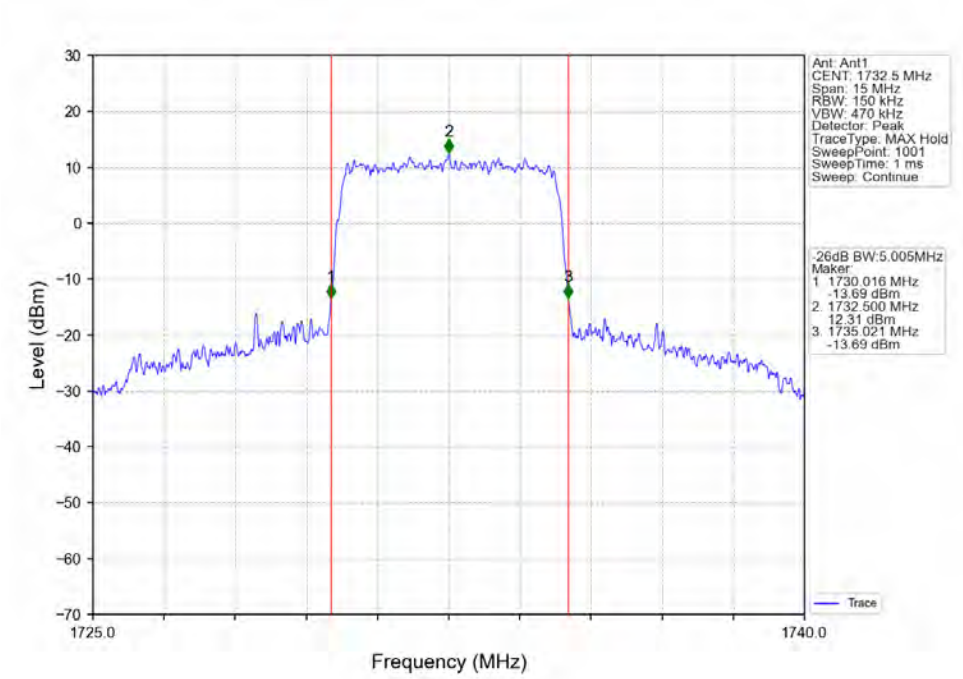
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



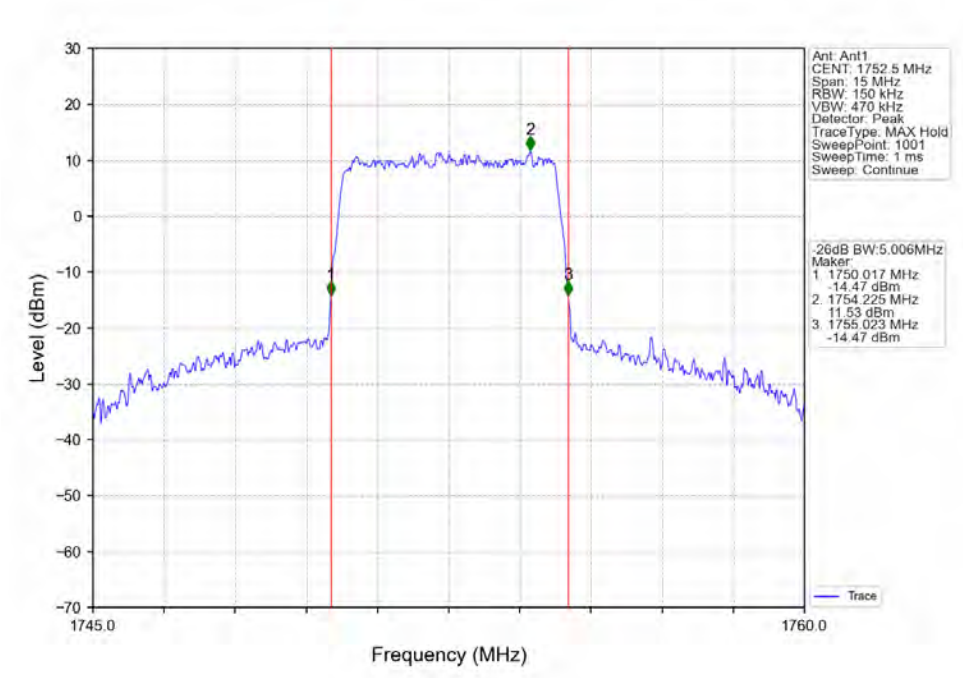
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



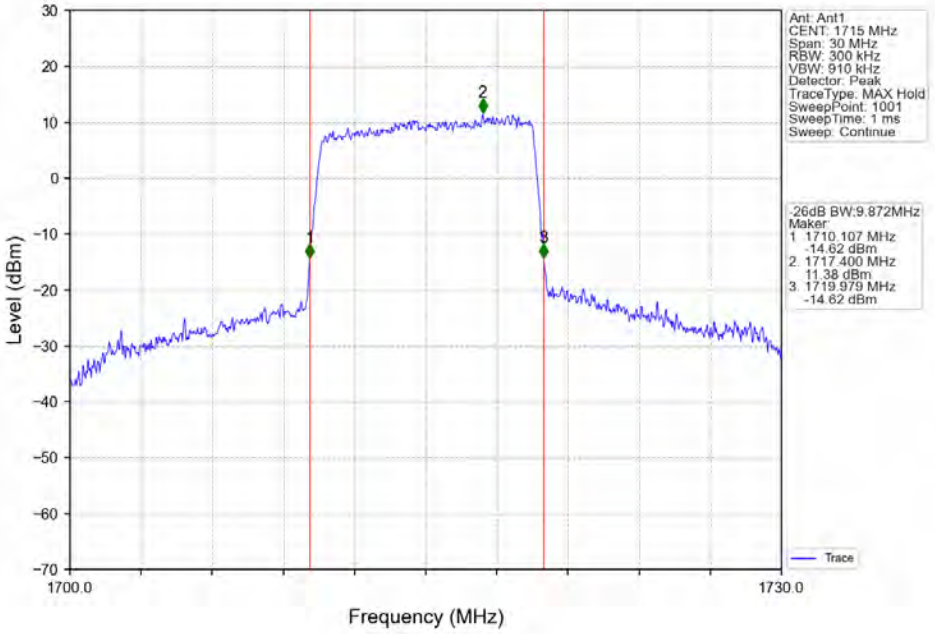
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



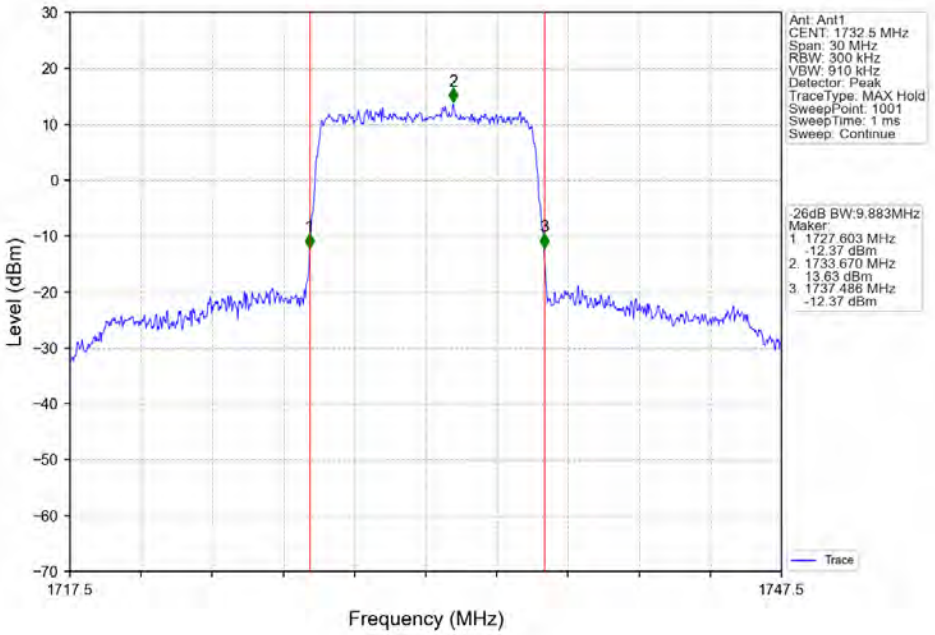
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



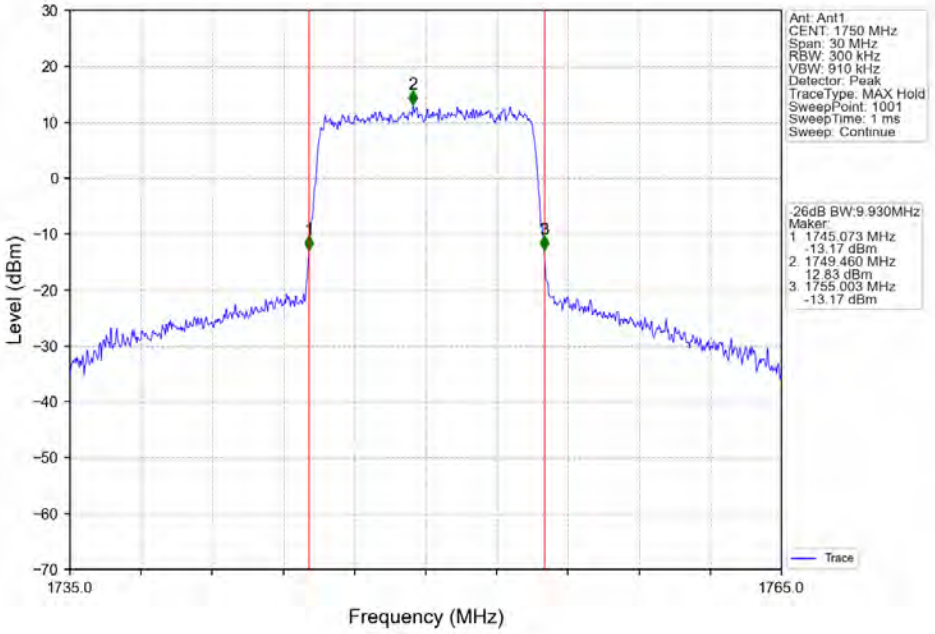
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



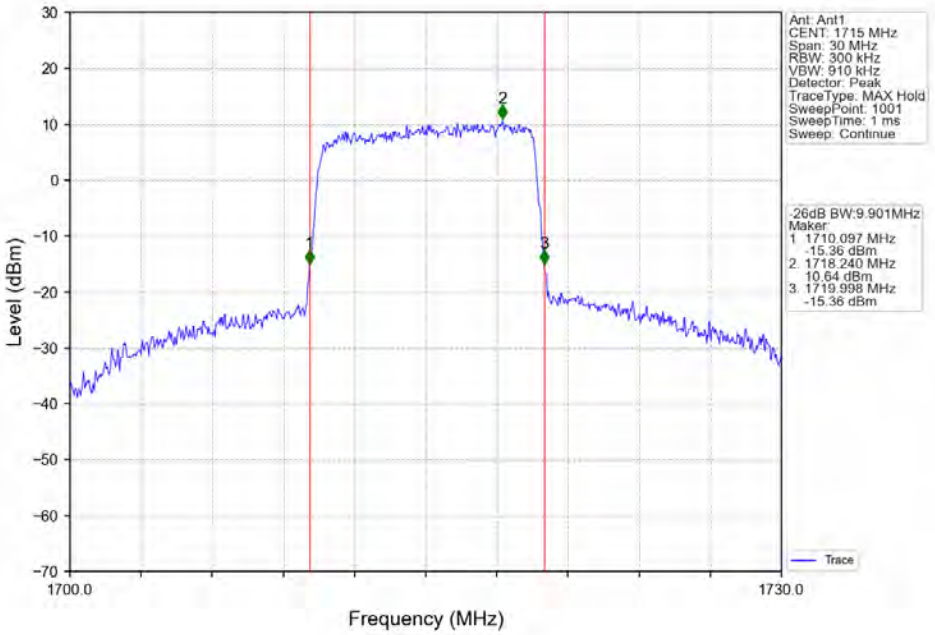
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



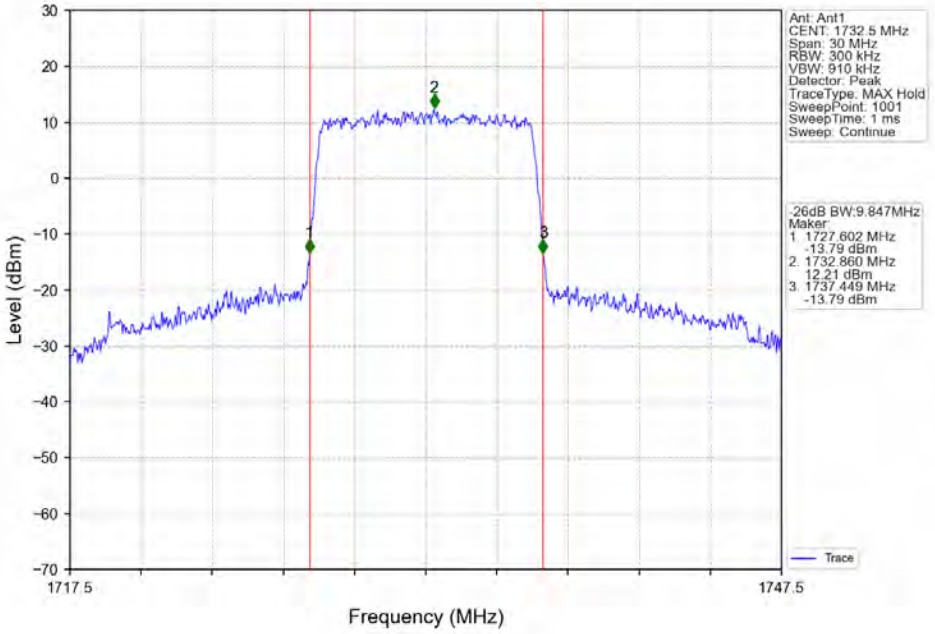
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



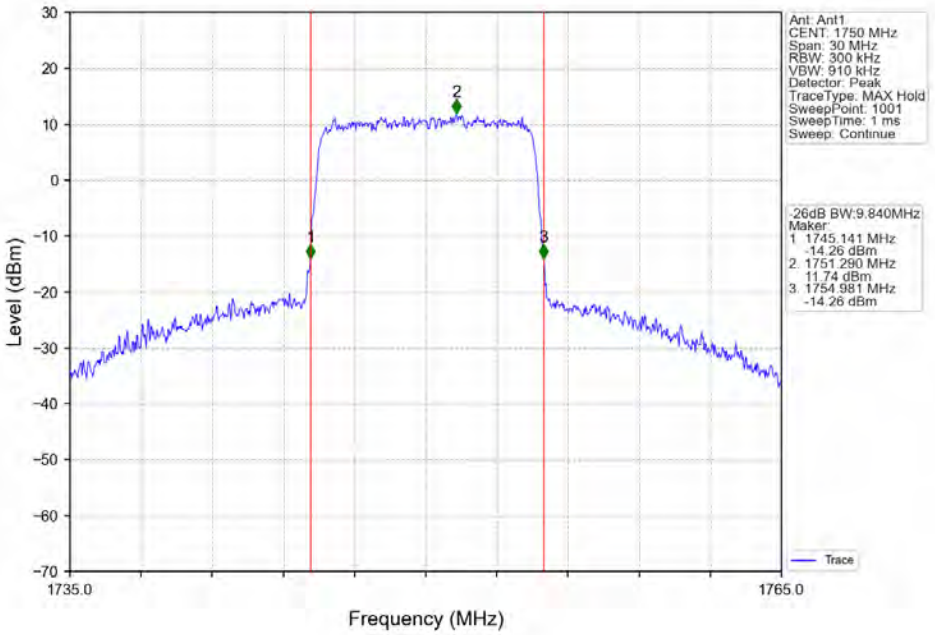
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



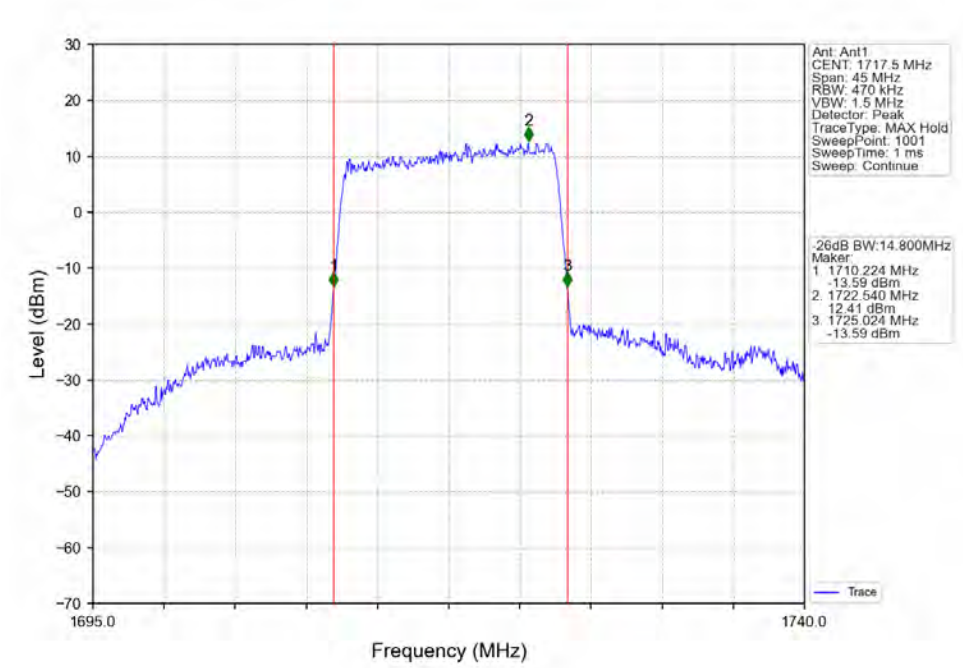
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



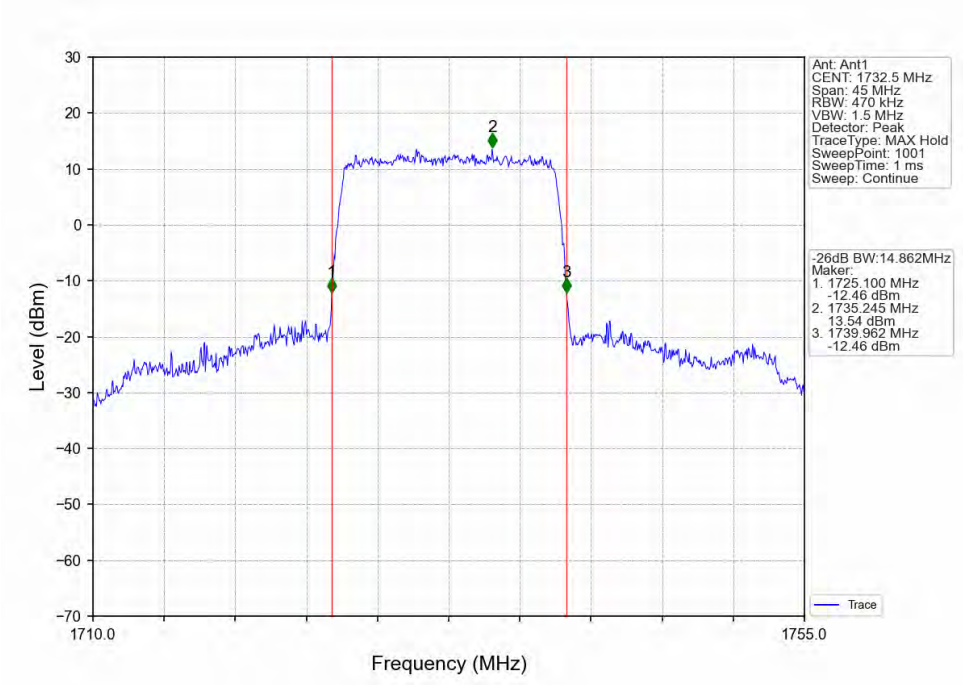
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



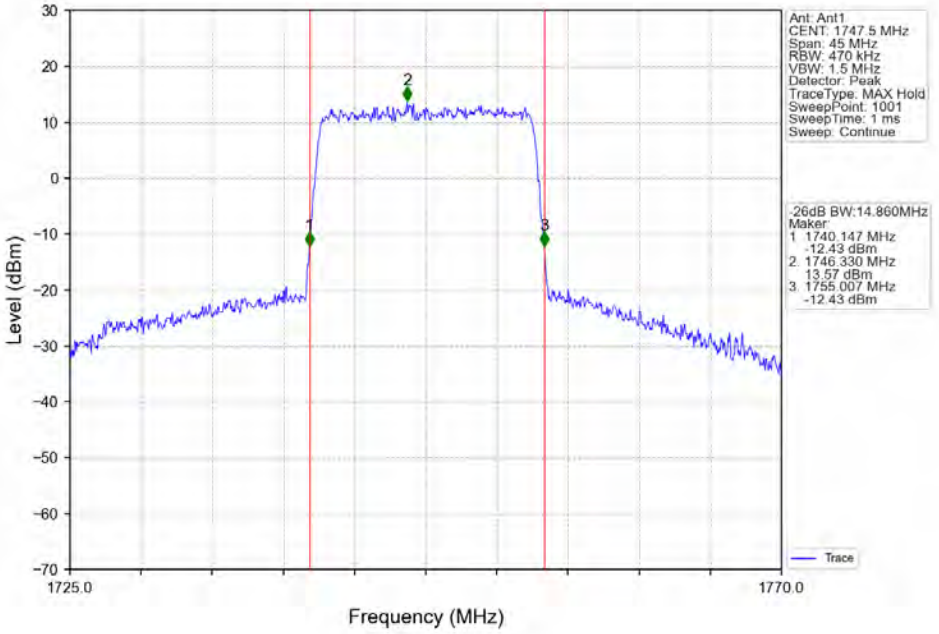
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



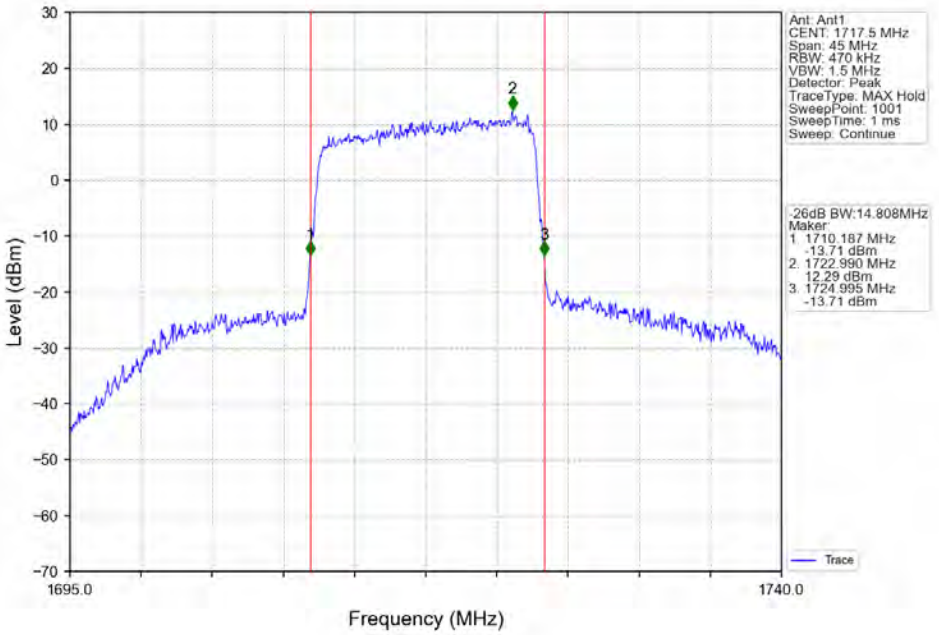
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



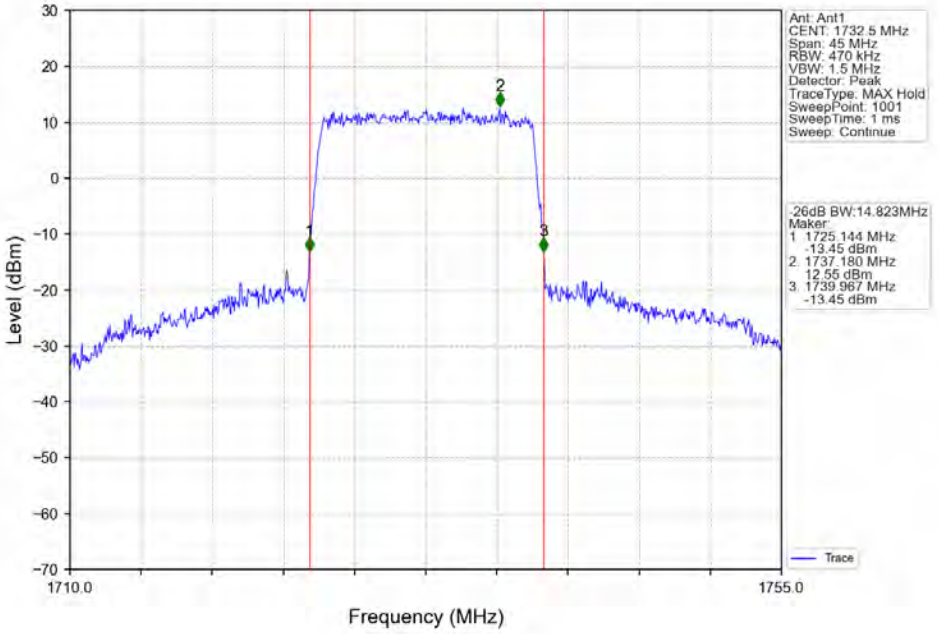
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



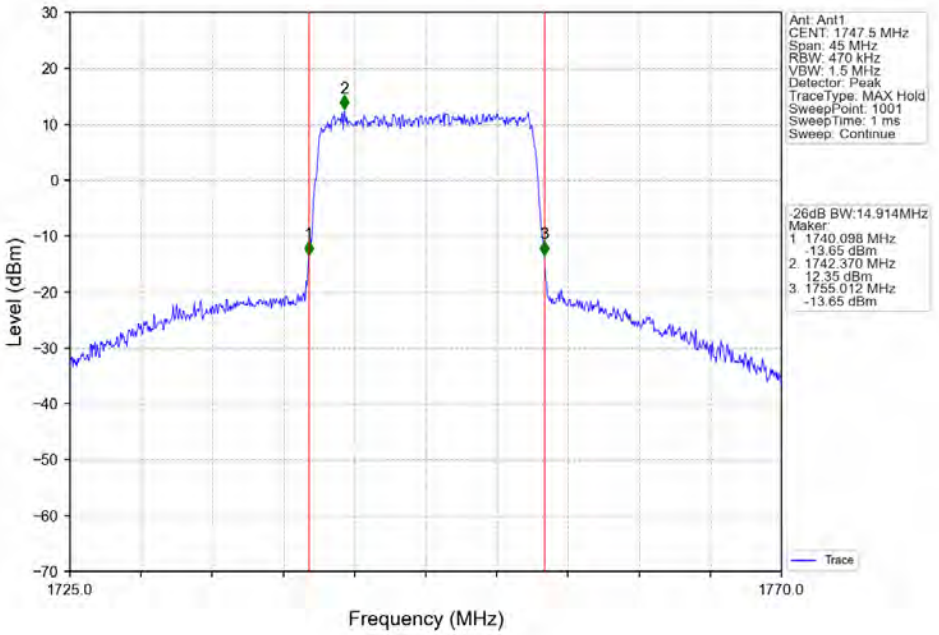
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



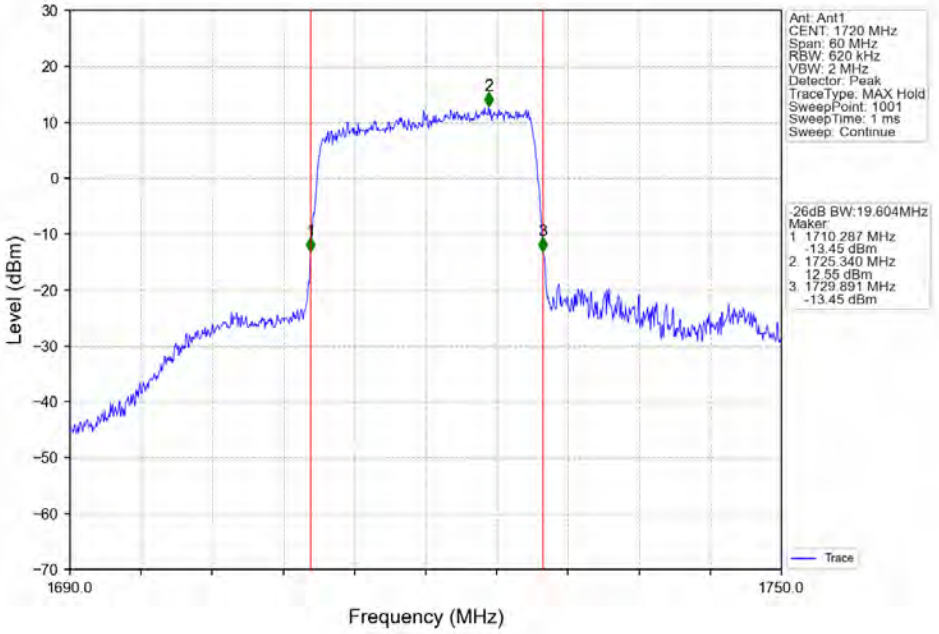
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



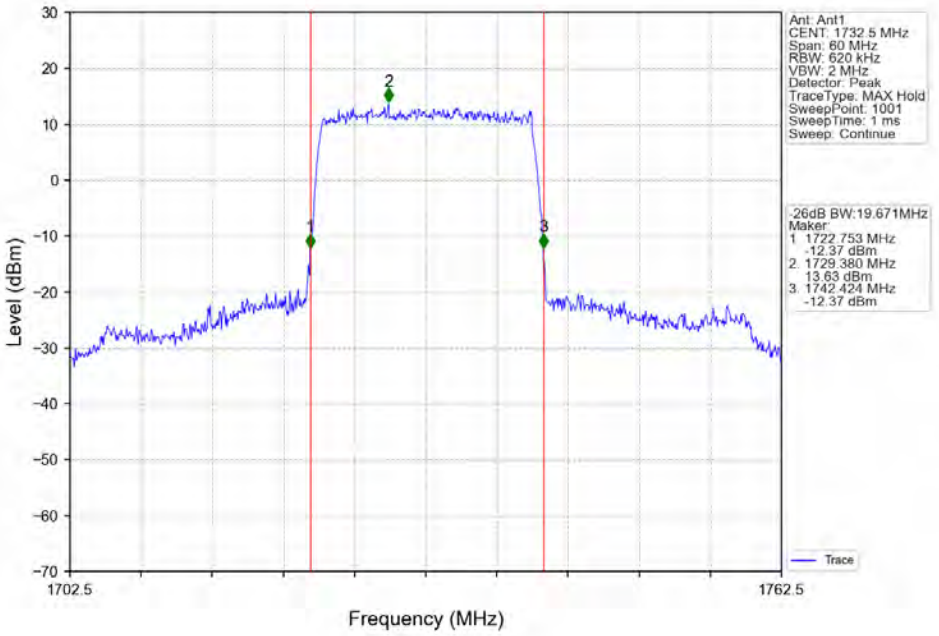
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



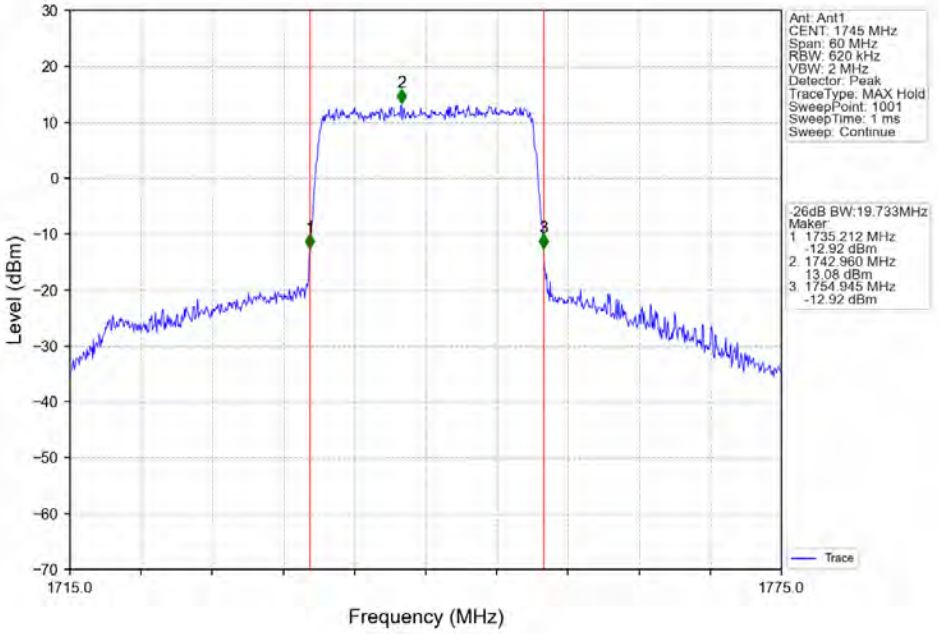
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



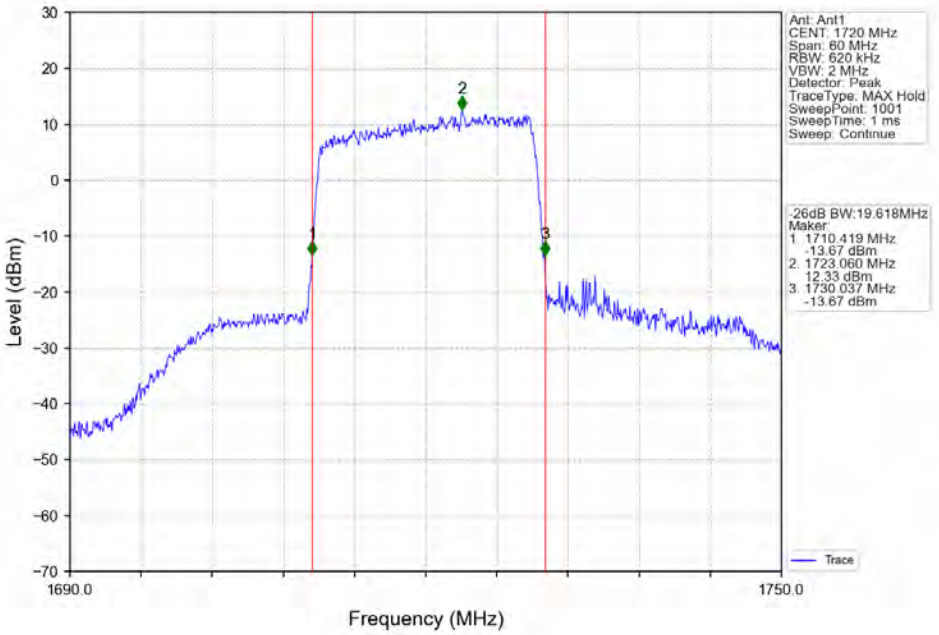
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



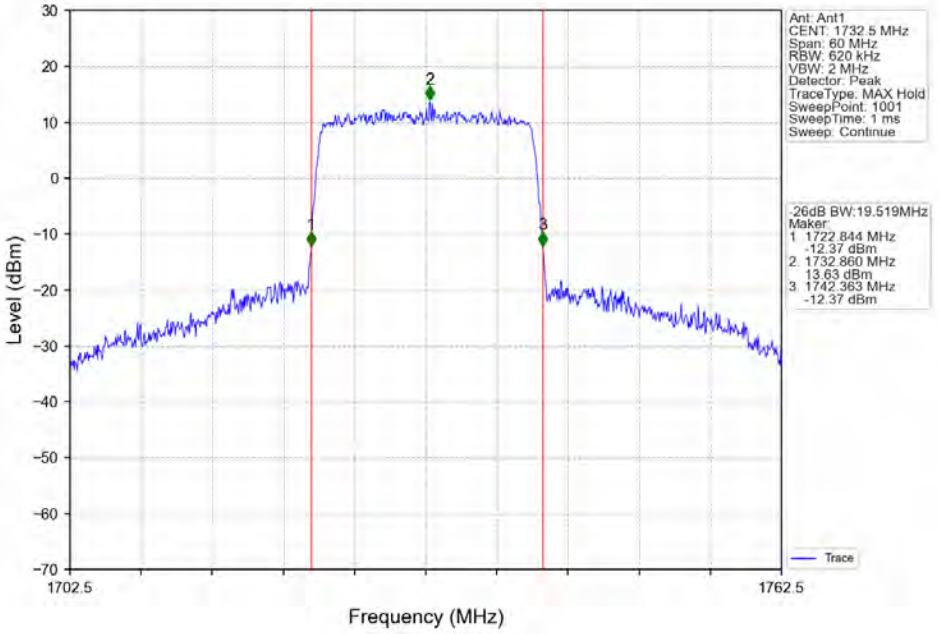
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



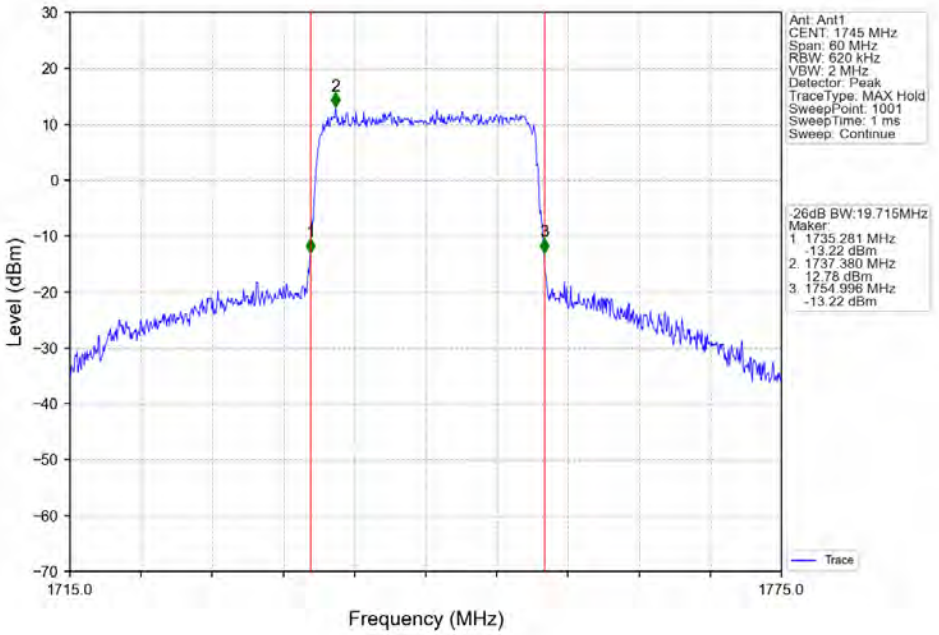
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



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 Test Result

5.1.1 B4_1.4MHz

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	5.88	<=13	Pass
	1732.5	6	0	4.48	<=13	Pass
	1754.3	6	0	5.01	<=13	Pass
16QAM	1710.7	6	0	6.85	<=13	Pass
	1732.5	6	0	5.39	<=13	Pass
	1754.3	6	0	5.84	<=13	Pass

5.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	6.12	<=13	Pass
	1732.5	15	0	4.78	<=13	Pass
	1753.5	15	0	5.35	<=13	Pass
16QAM	1711.5	15	0	6.99	<=13	Pass
	1732.5	15	0	5.70	<=13	Pass
	1753.5	15	0	6.20	<=13	Pass

5.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	6.08	<=13	Pass
	1732.5	25	0	5.12	<=13	Pass
	1752.5	25	0	5.60	<=13	Pass
16QAM	1712.5	25	0	6.85	<=13	Pass
	1732.5	25	0	5.86	<=13	Pass
	1752.5	25	0	6.38	<=13	Pass

5.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.79	<=13	Pass
	1732.5	50	0	5.08	<=13	Pass
	1750	50	0	5.74	<=13	Pass

16QAM	1715	50	0	6.61	<=13	Pass
	1732.5	50	0	5.93	<=13	Pass
	1750	50	0	6.59	<=13	Pass

5.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.28	<=13	Pass
	1732.5	75	0	5.04	<=13	Pass
	1747.5	75	0	5.31	<=13	Pass
16QAM	1717.5	75	0	6.41	<=13	Pass
	1732.5	75	0	6.08	<=13	Pass
	1747.5	75	0	6.42	<=13	Pass

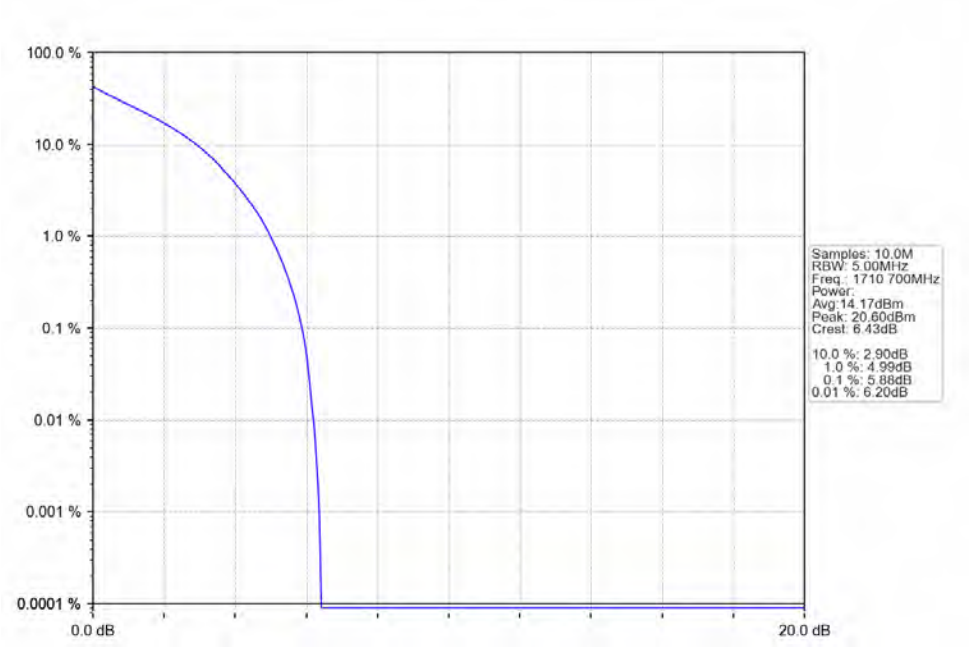
5.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.61	<=13	Pass
	1732.5	100	0	5.64	<=13	Pass
	1745	100	0	5.70	<=13	Pass
16QAM	1720	100	0	6.75	<=13	Pass
	1732.5	100	0	6.66	<=13	Pass
	1745	100	0	6.78	<=13	Pass

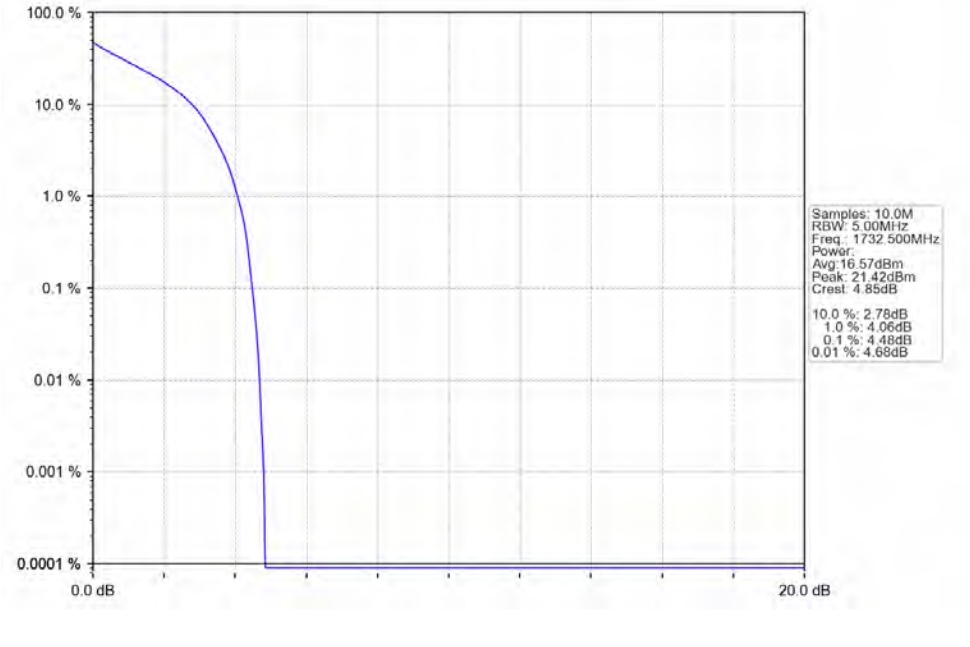
5.2 Test Graph

5.2.1 B4_1.4MHz

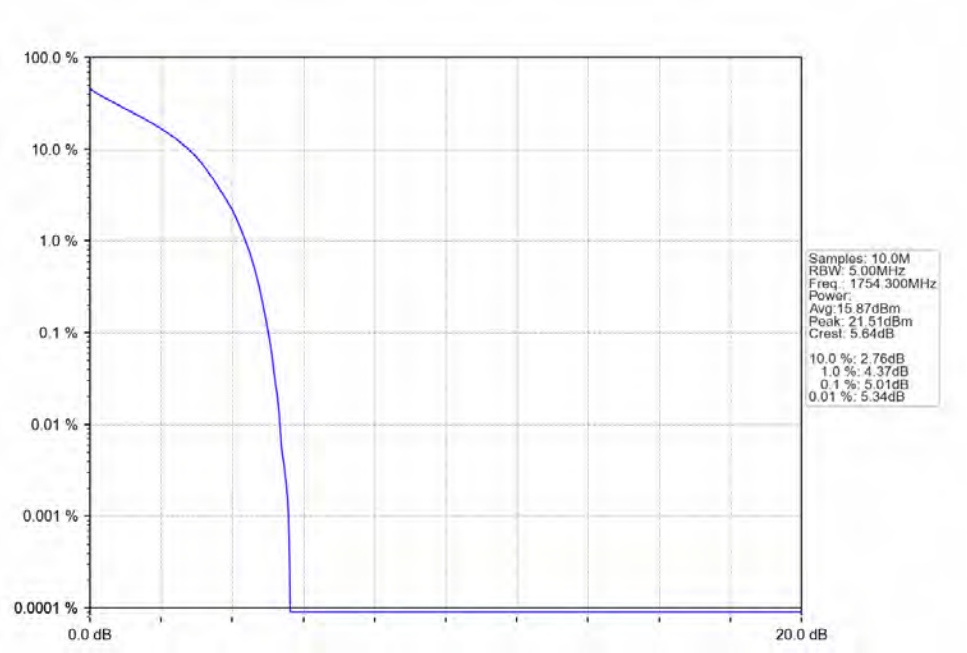
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



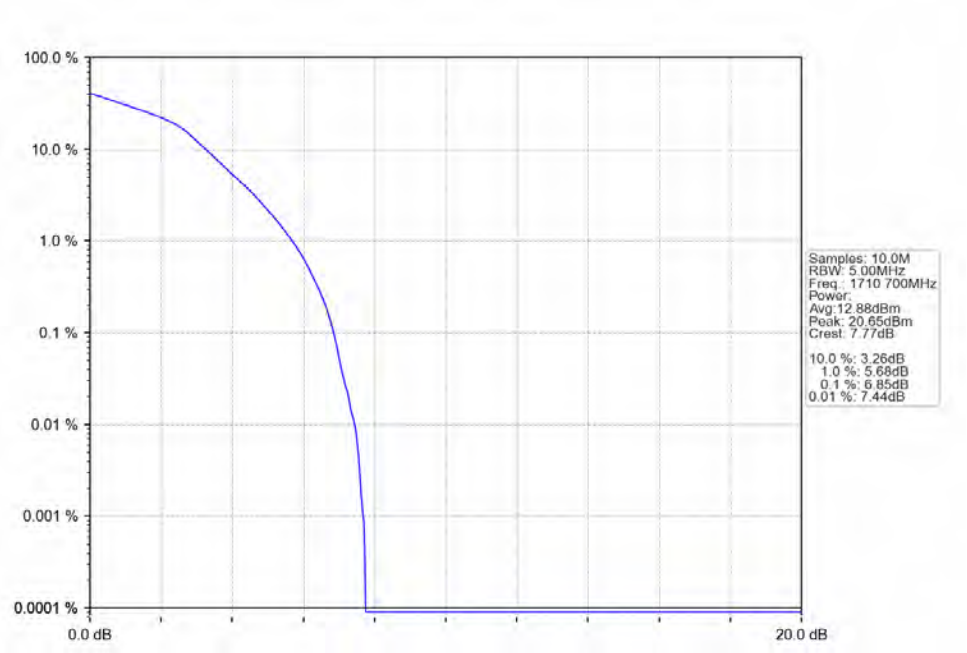
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



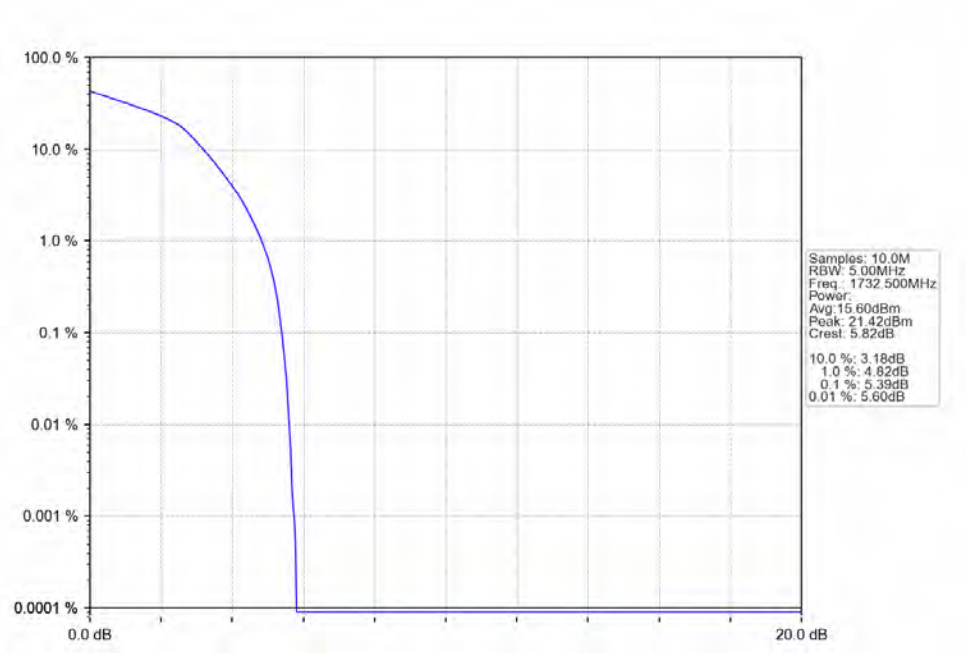
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



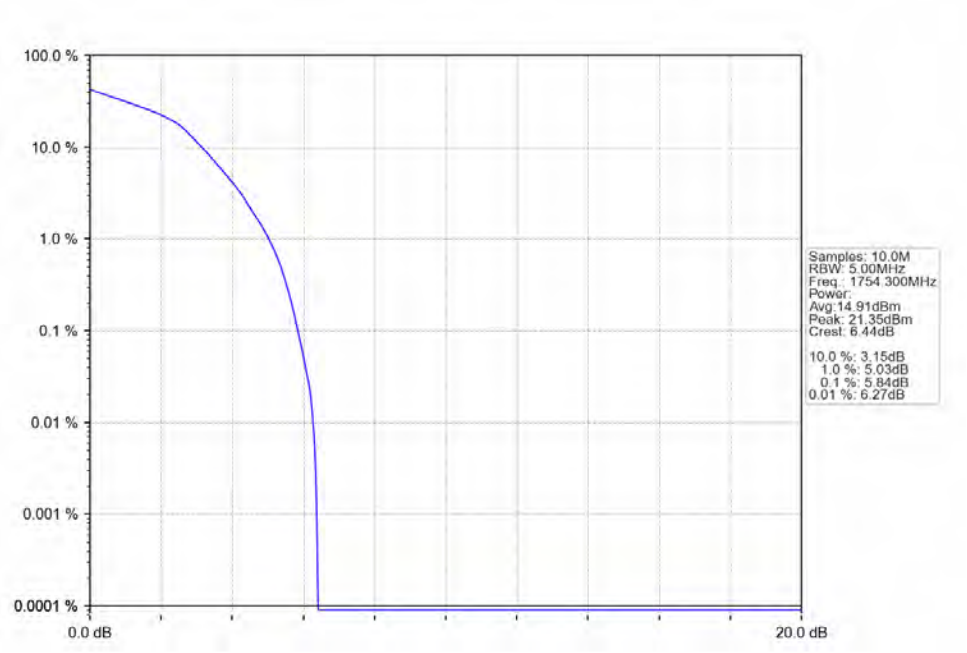
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



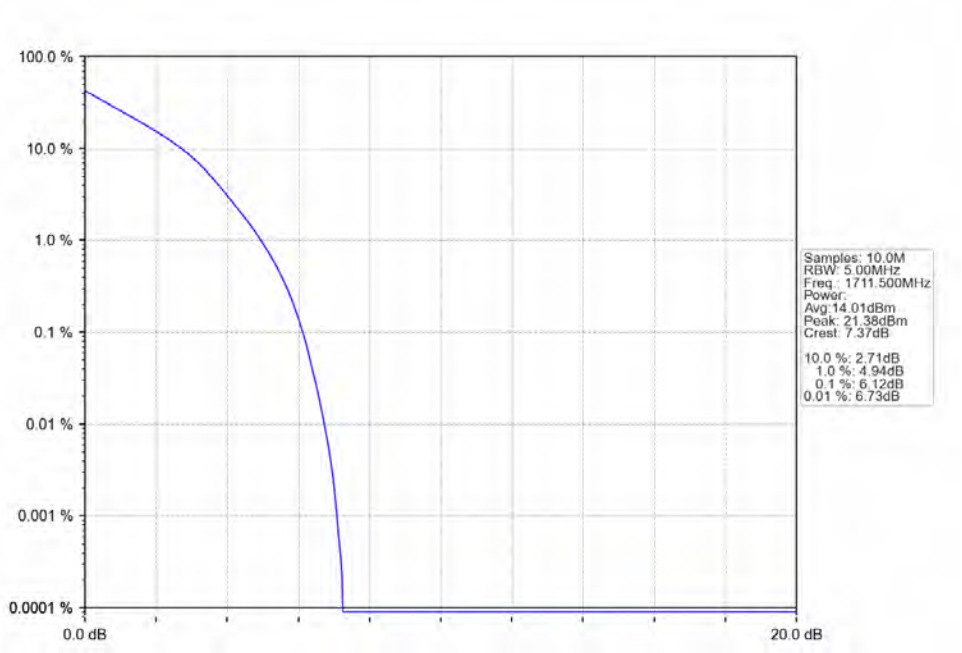
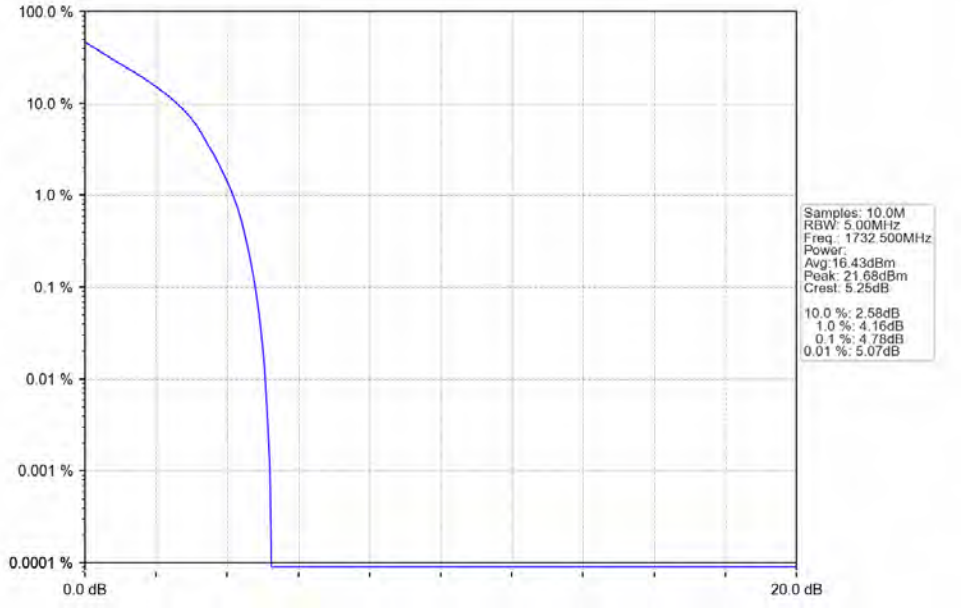
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



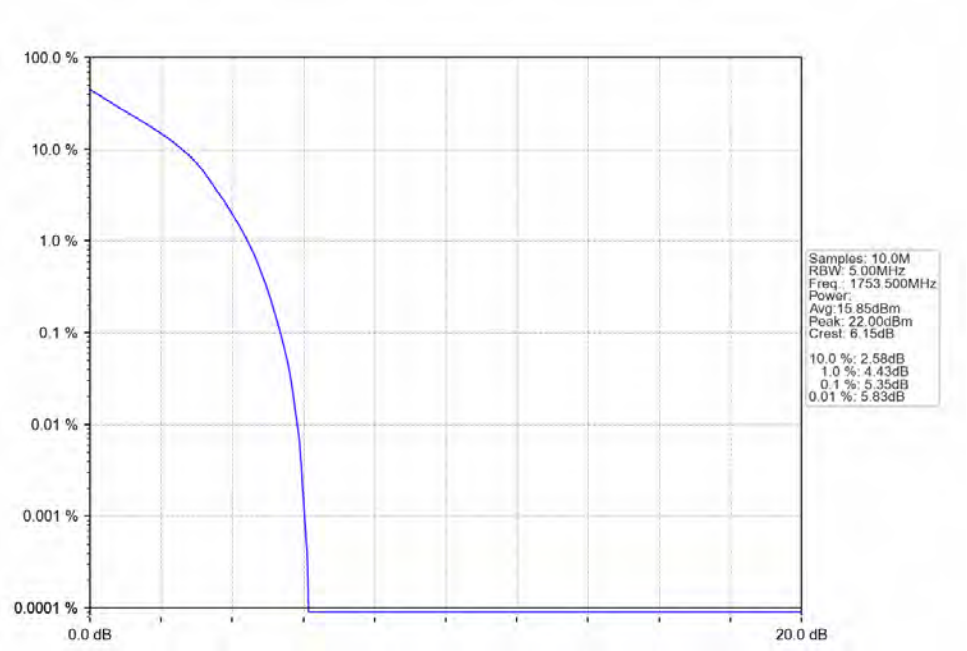
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



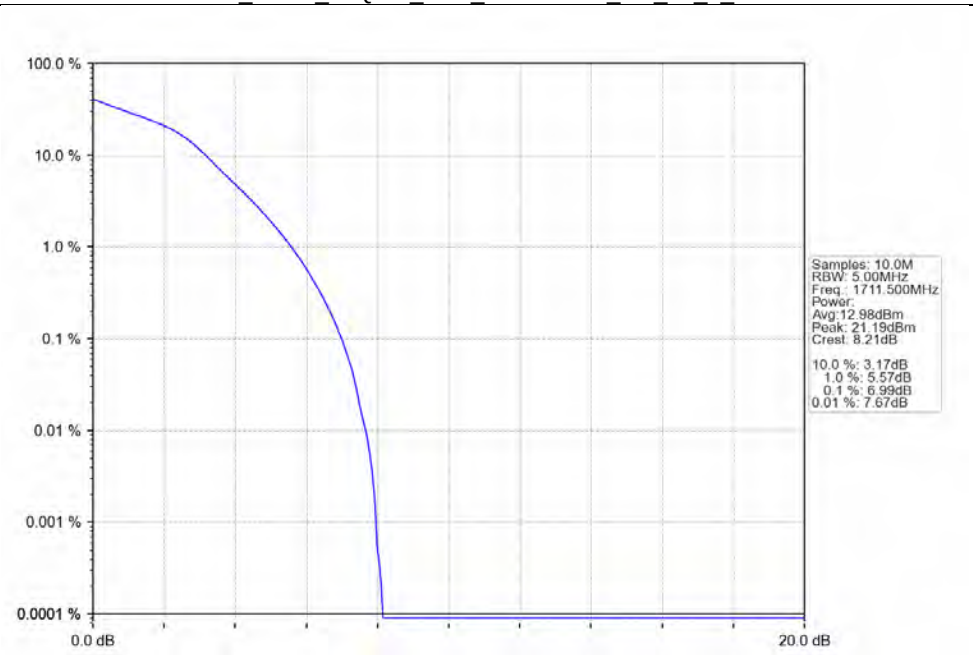
5.2.2 B4_3MHz

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV


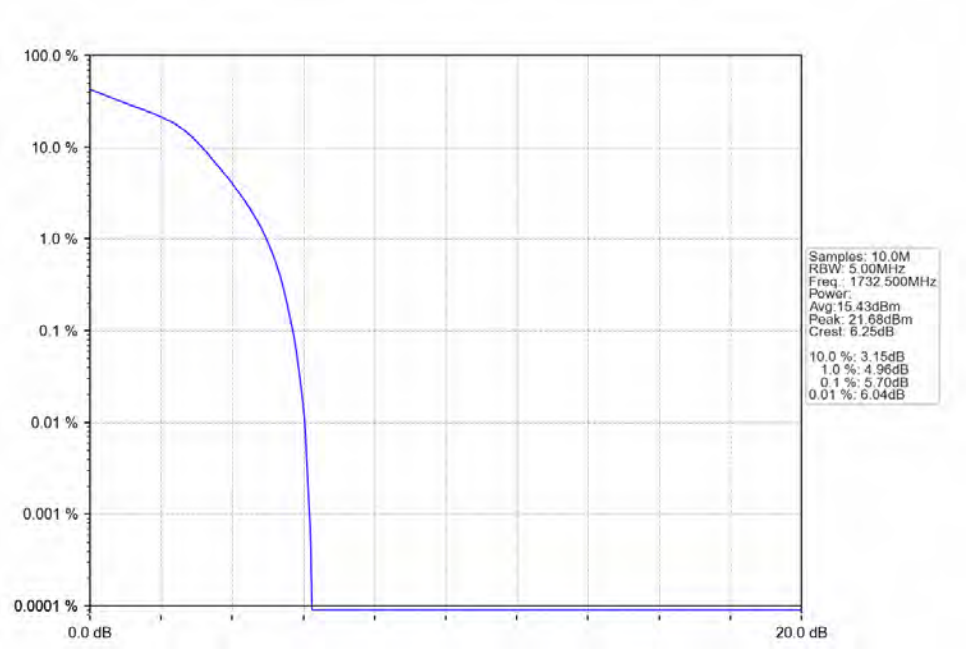
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



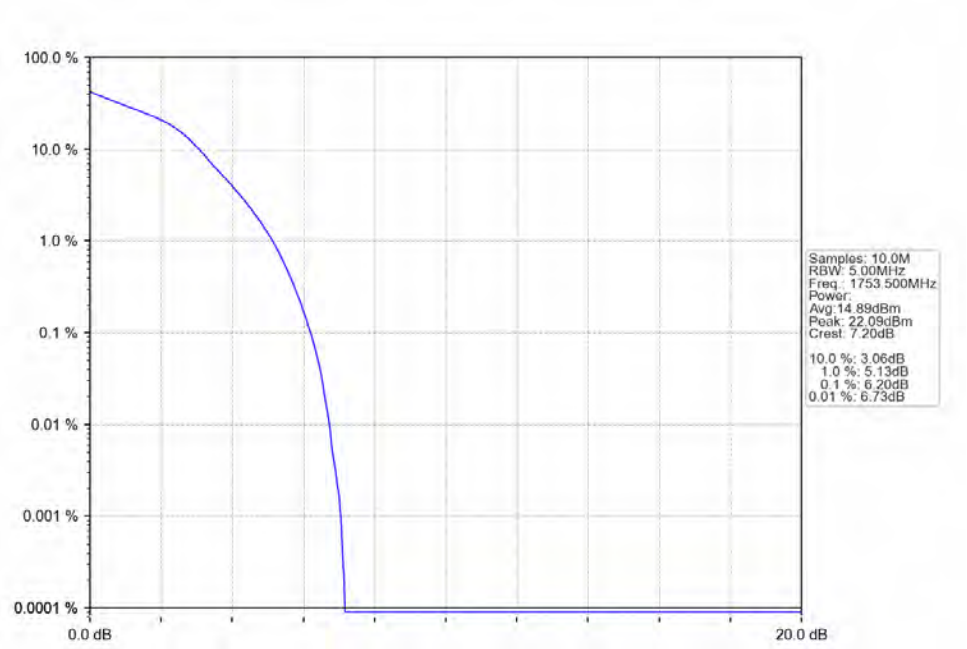
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

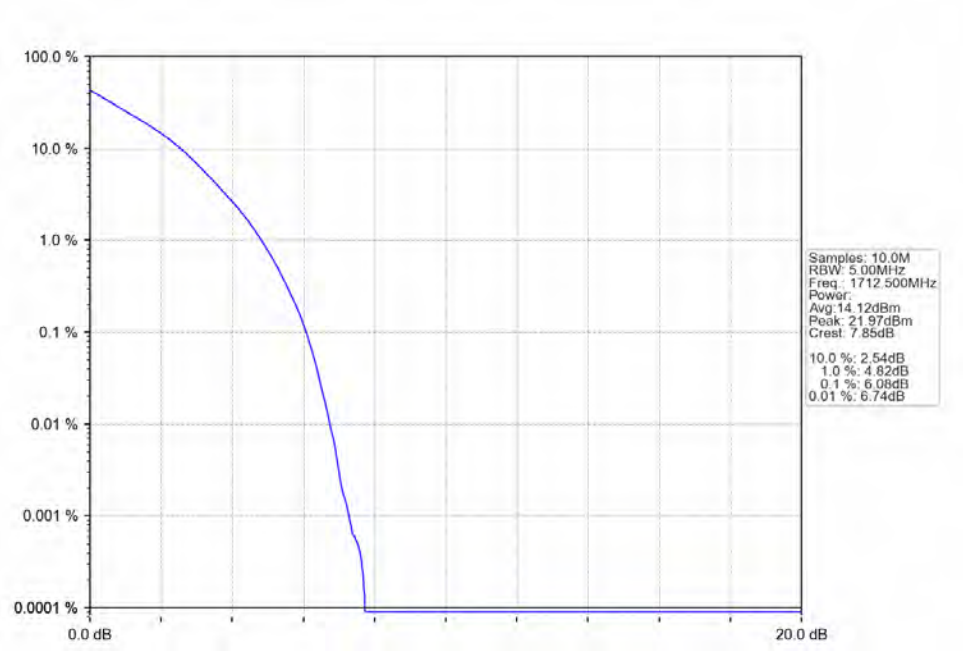


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

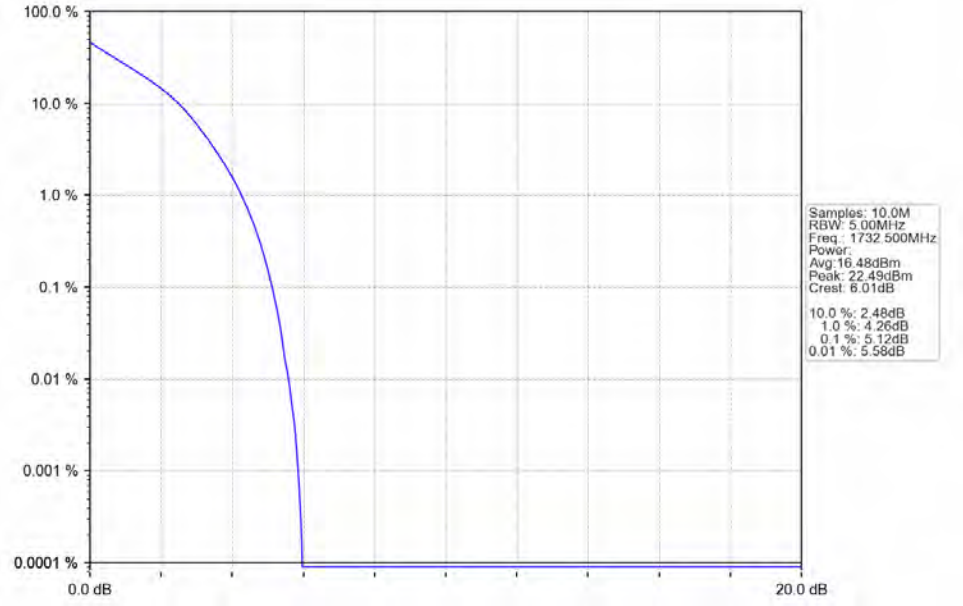


5.2.3 B4_5MHz

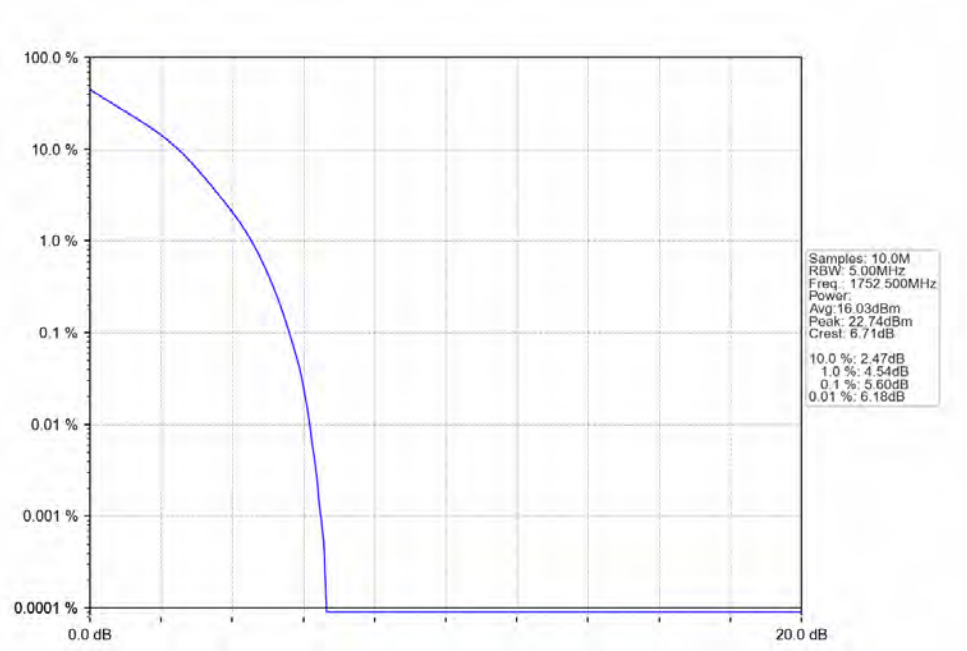
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



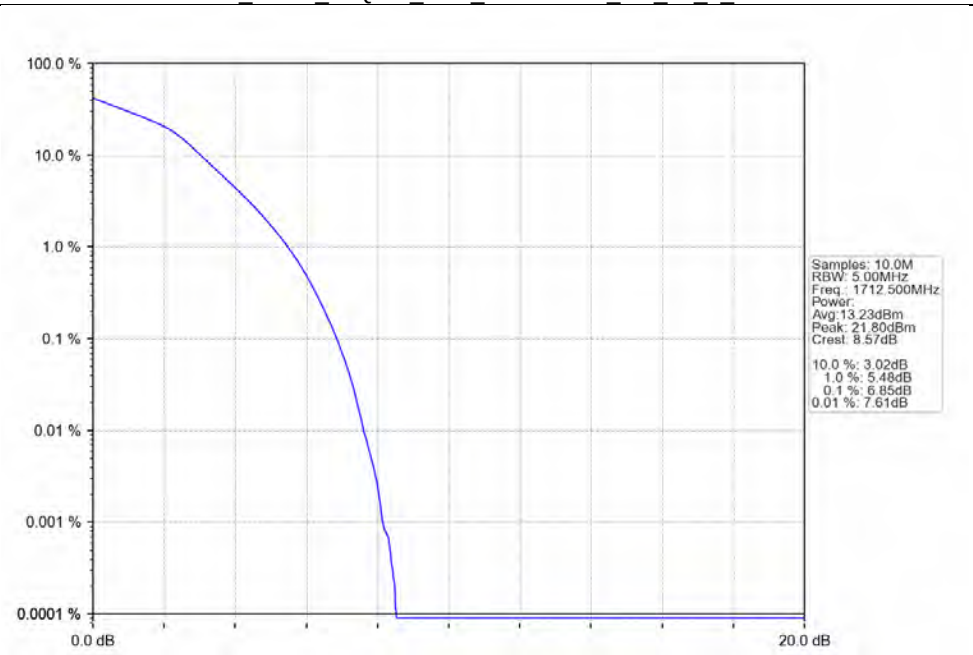
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



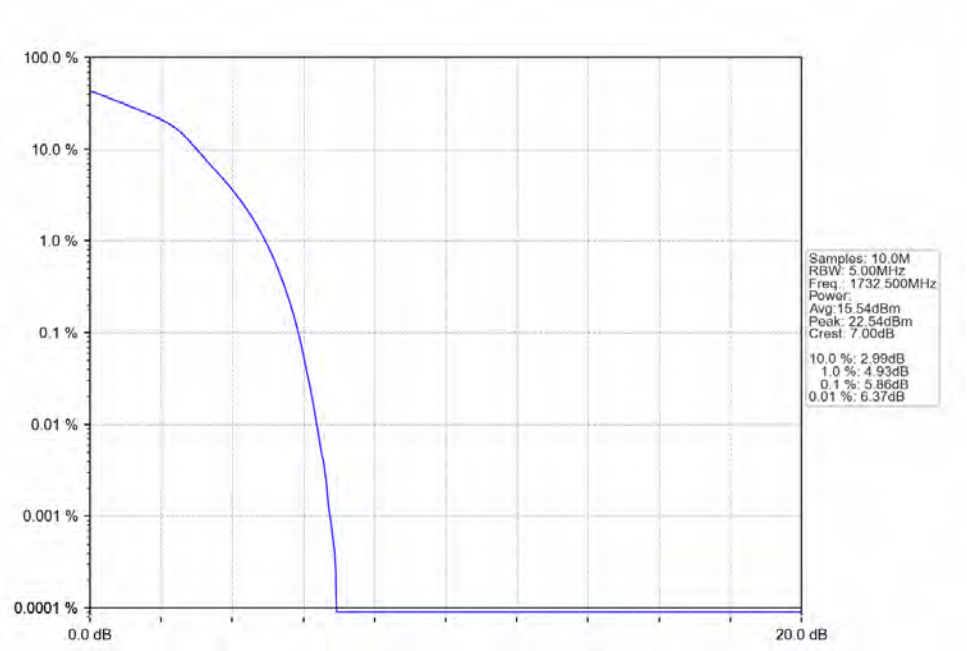
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



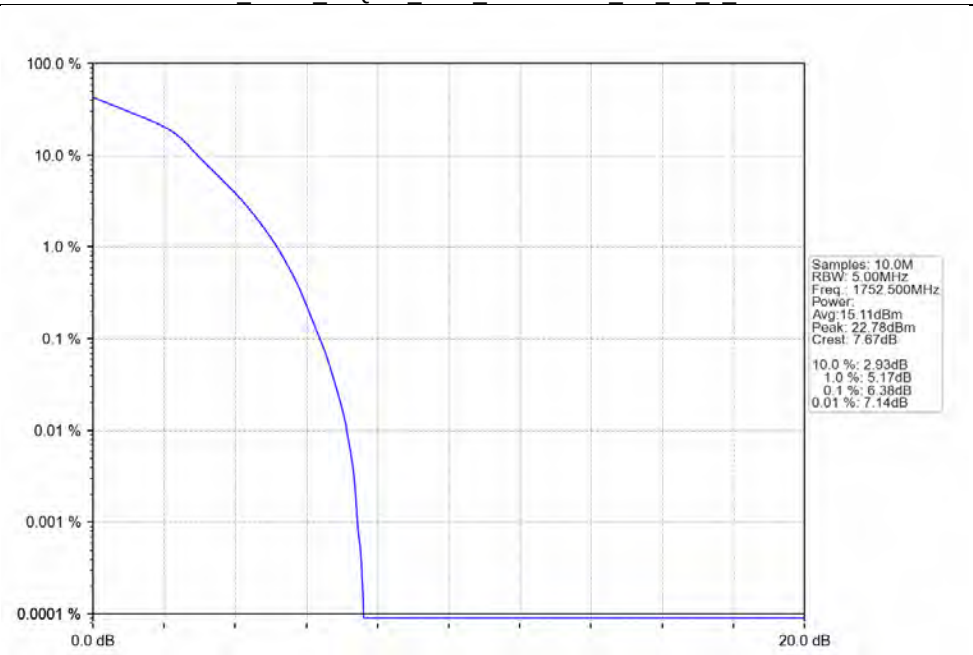
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



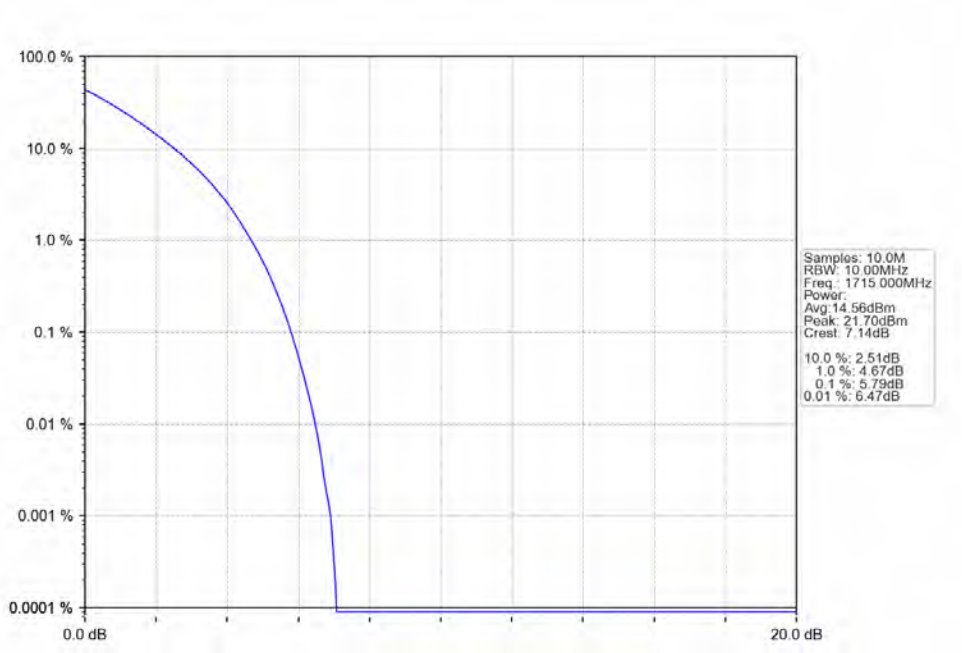
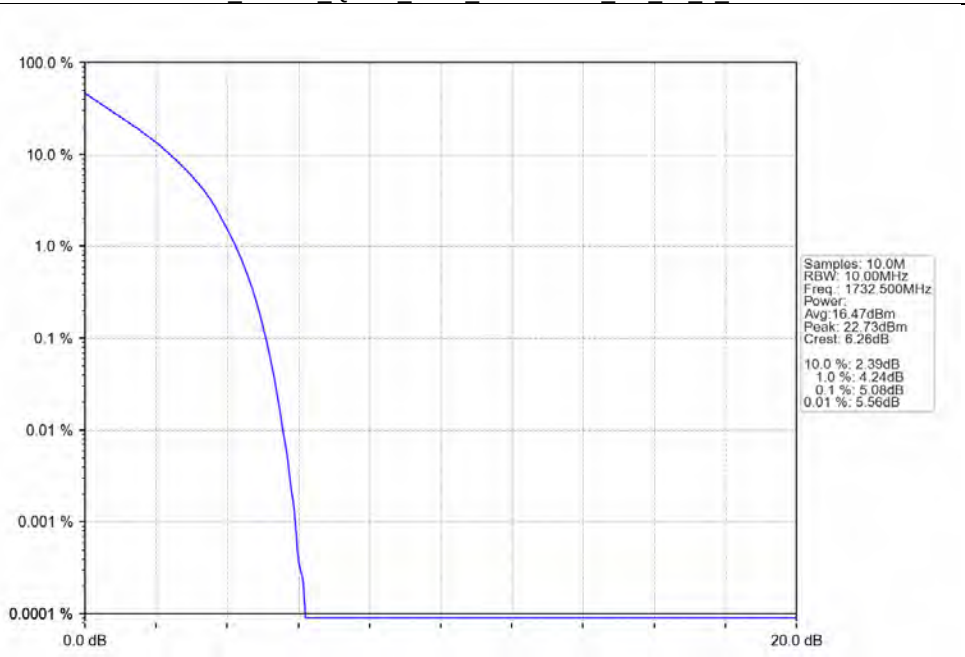
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



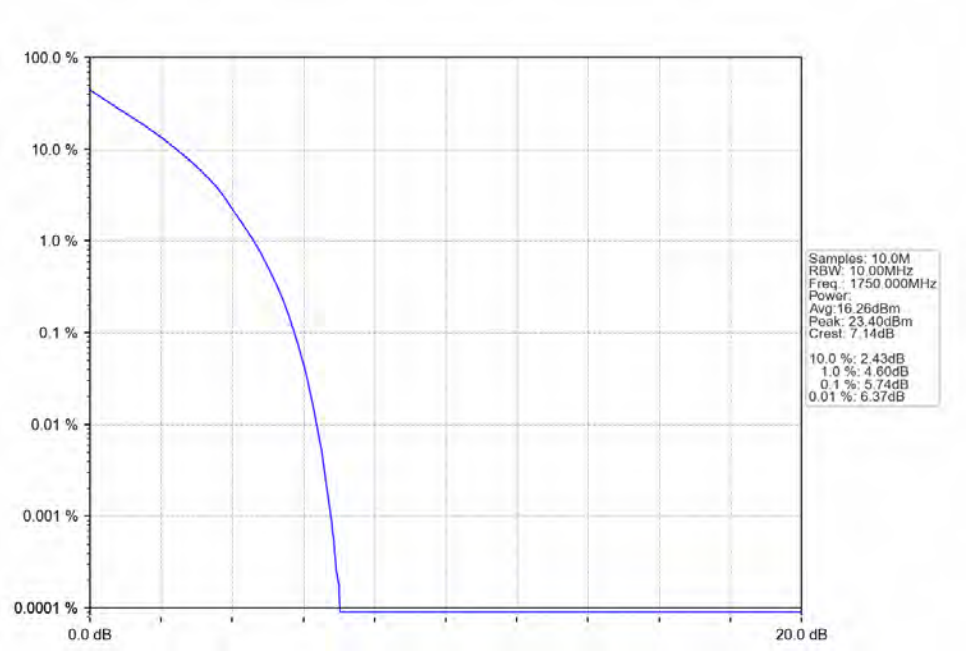
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



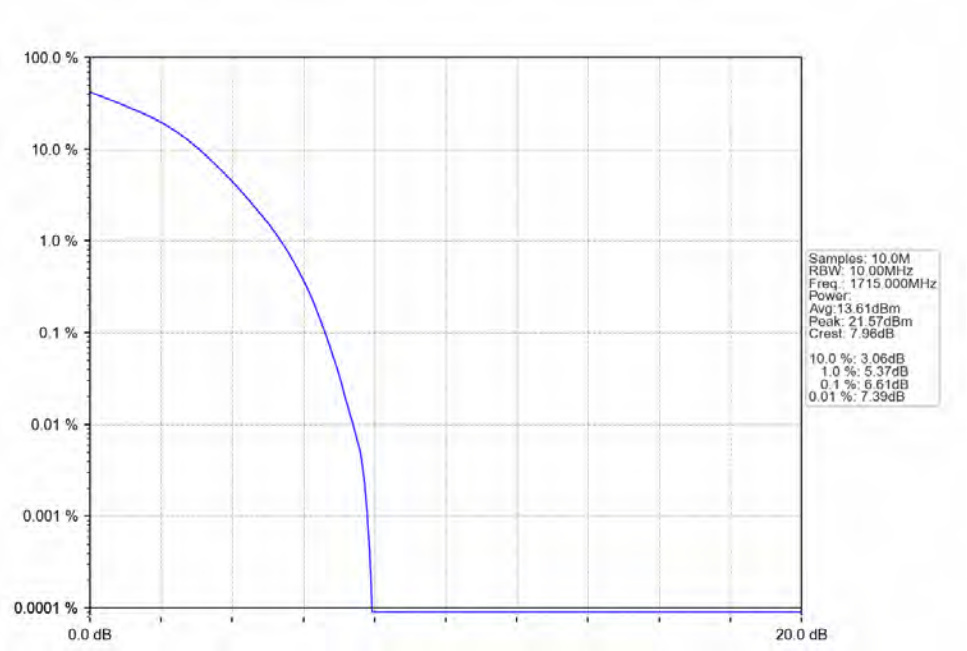
5.2.4 B4_10MHz

Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV


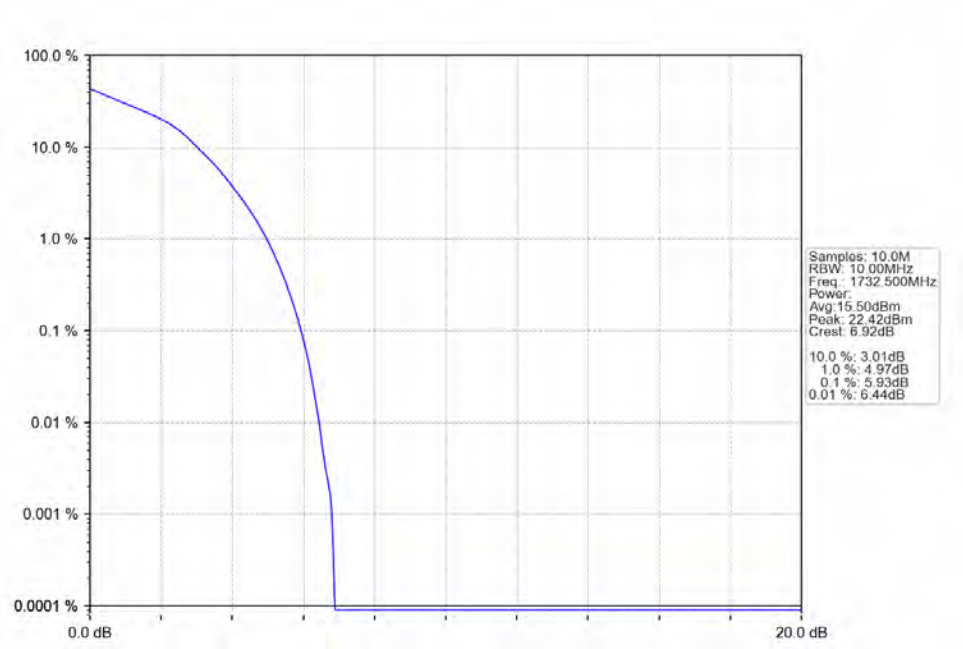
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



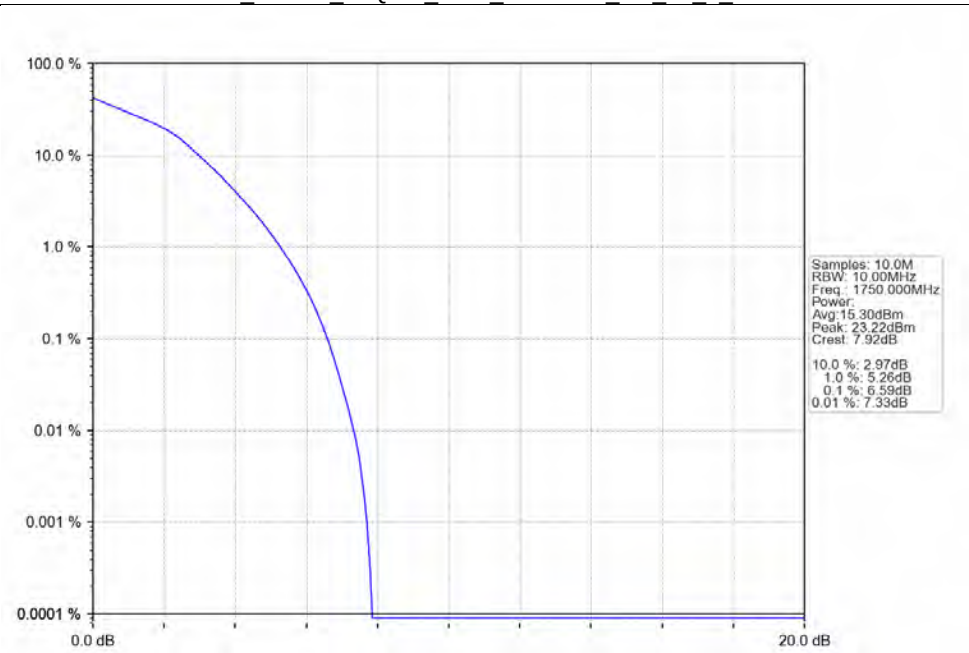
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

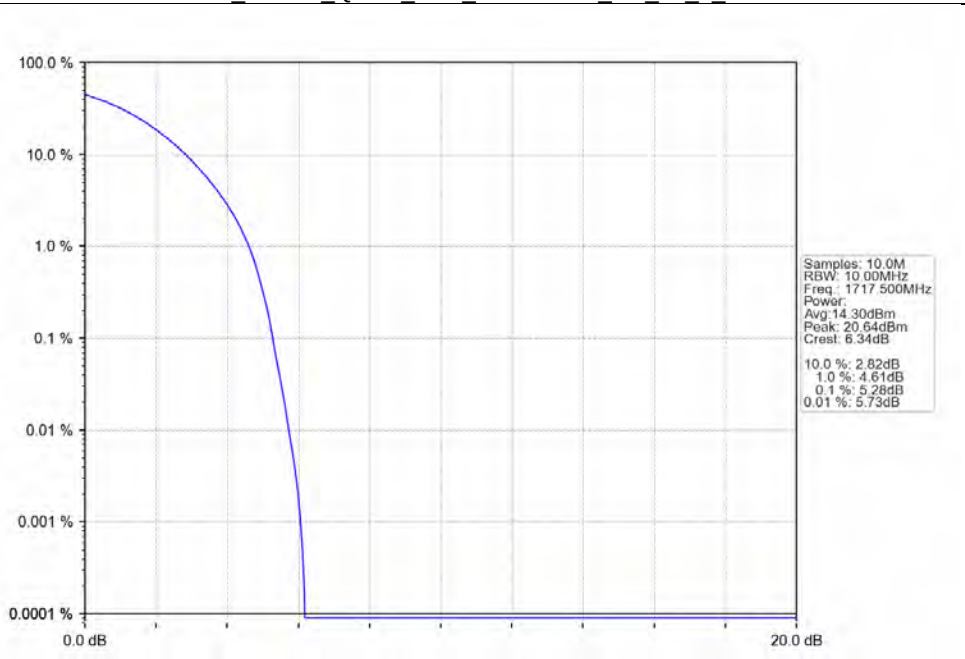


Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

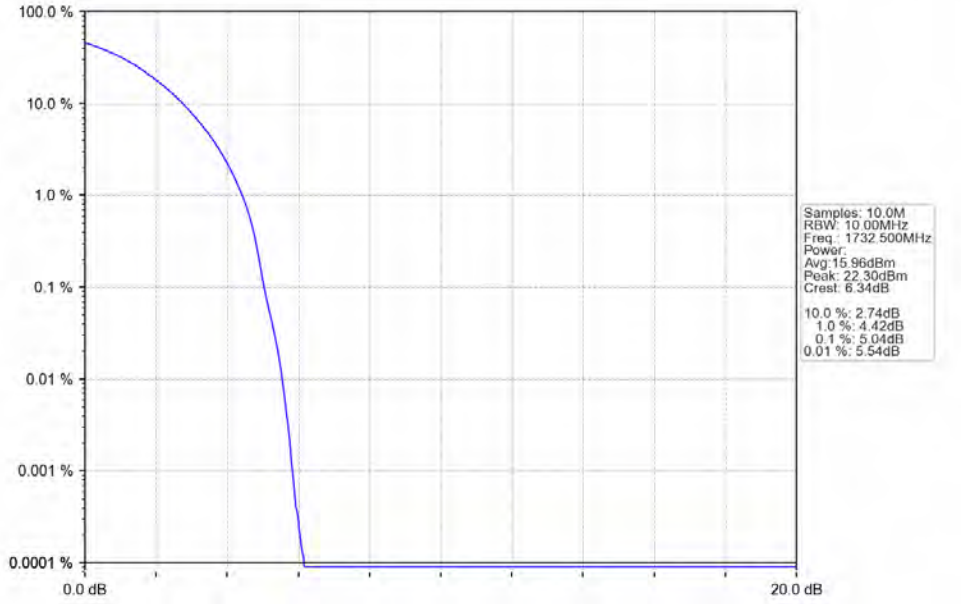


5.2.5 B4_15MHz

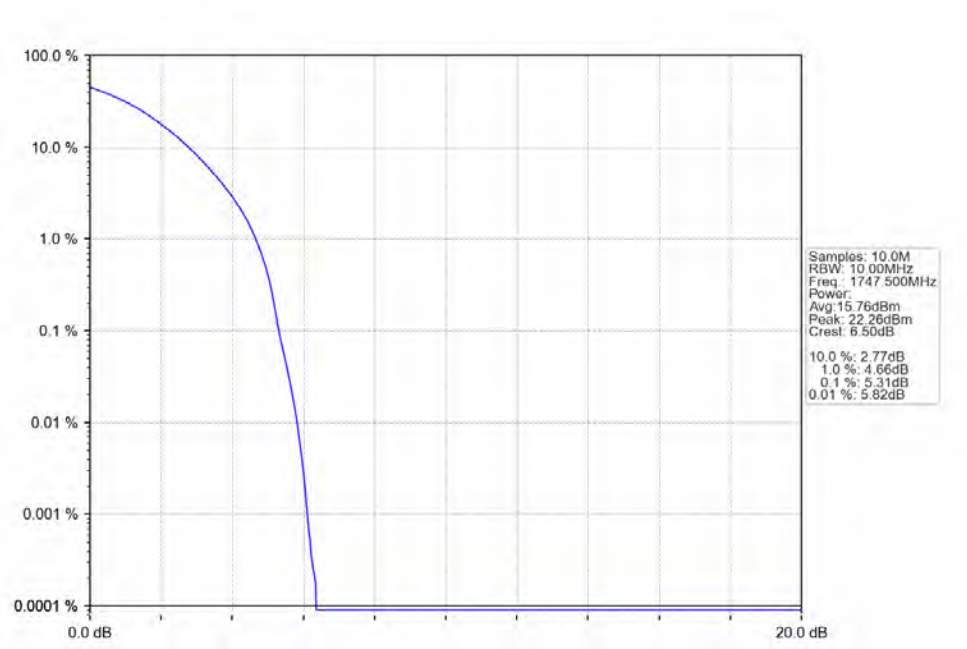
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



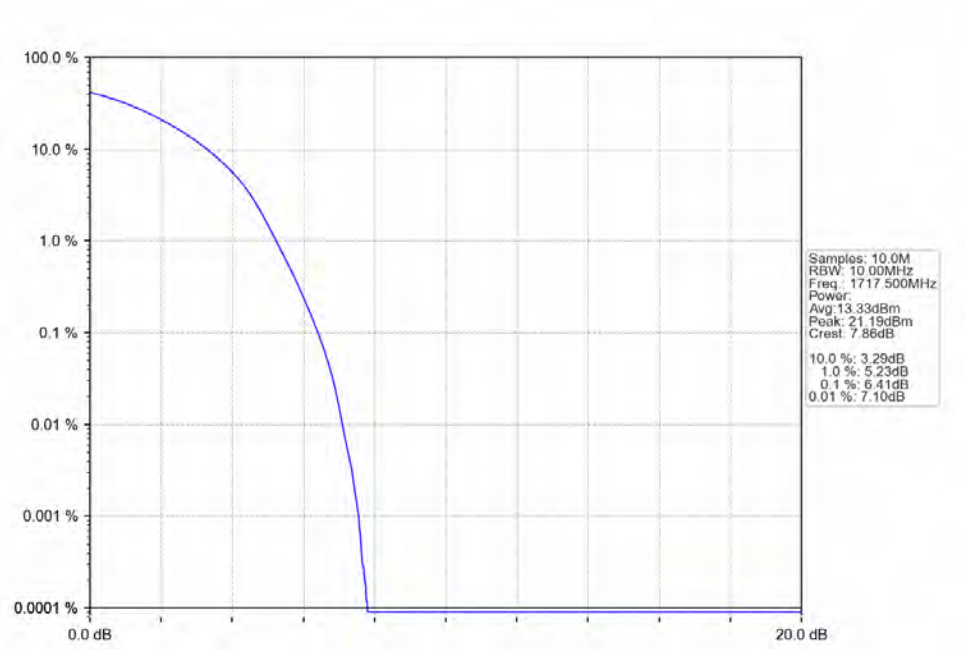
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



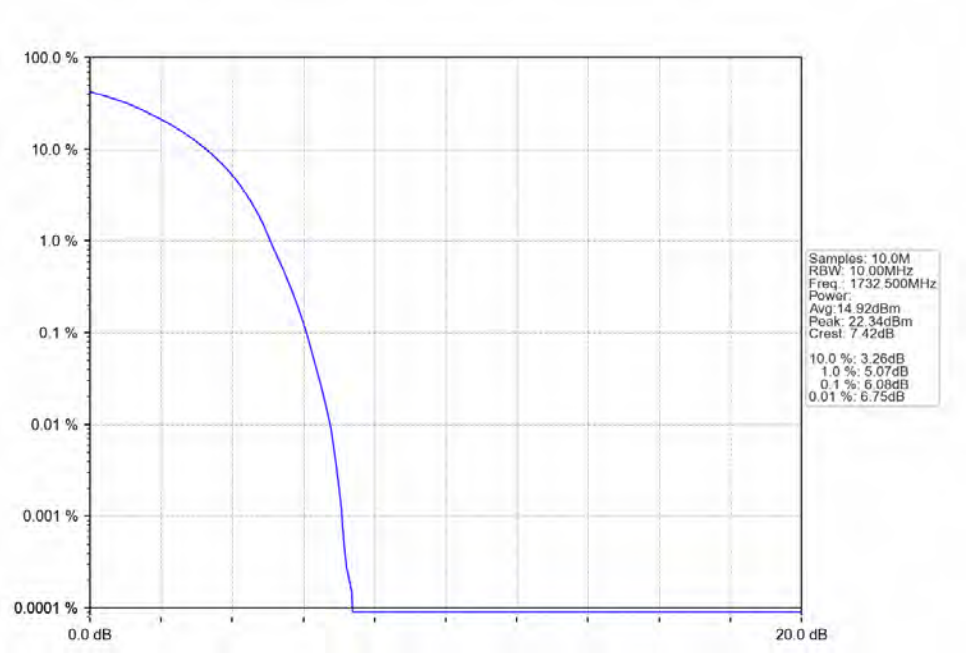
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



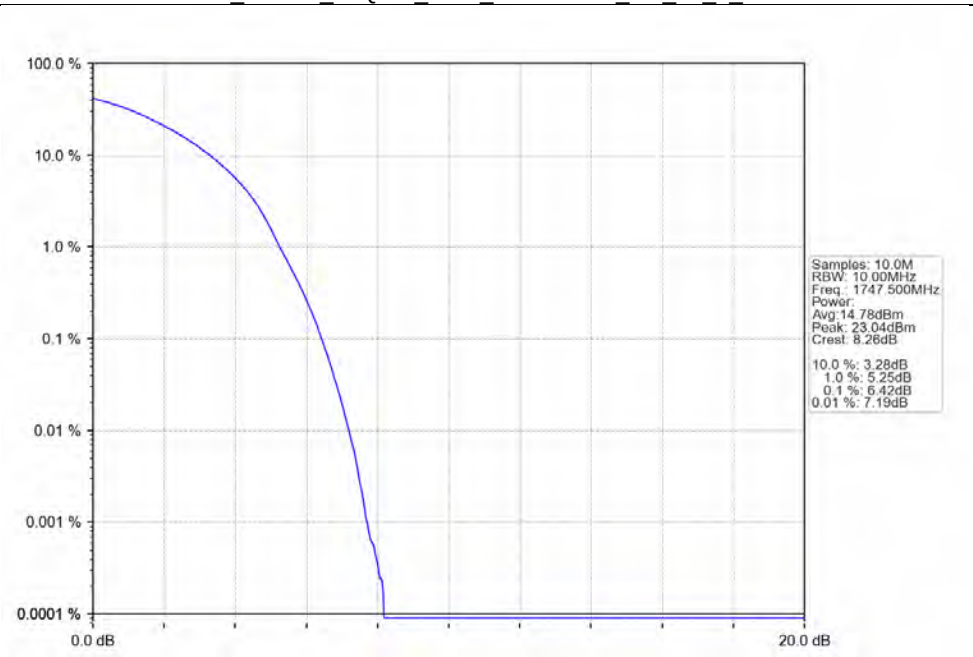
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

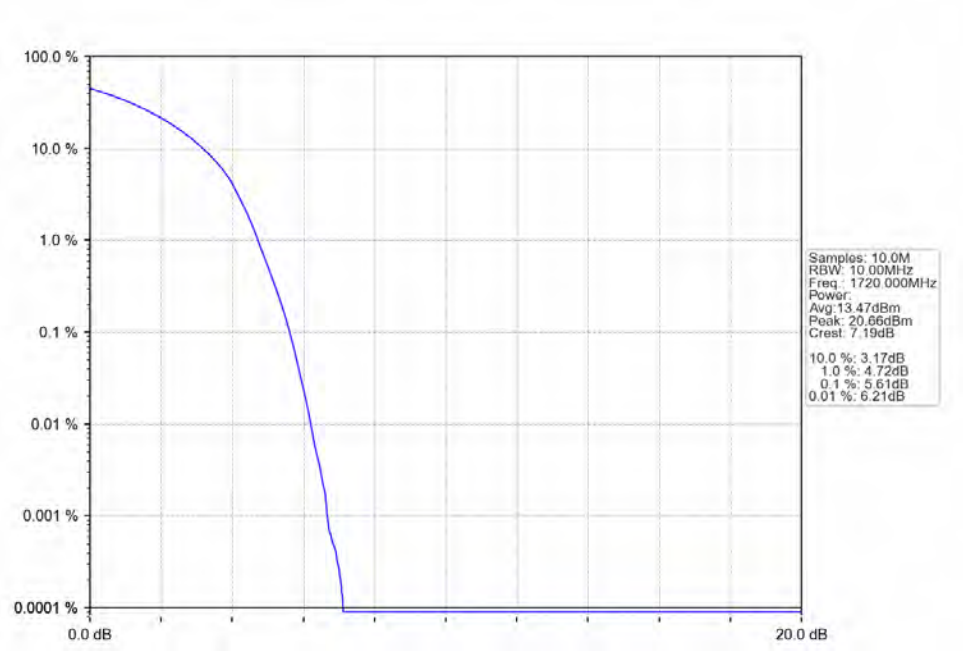


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

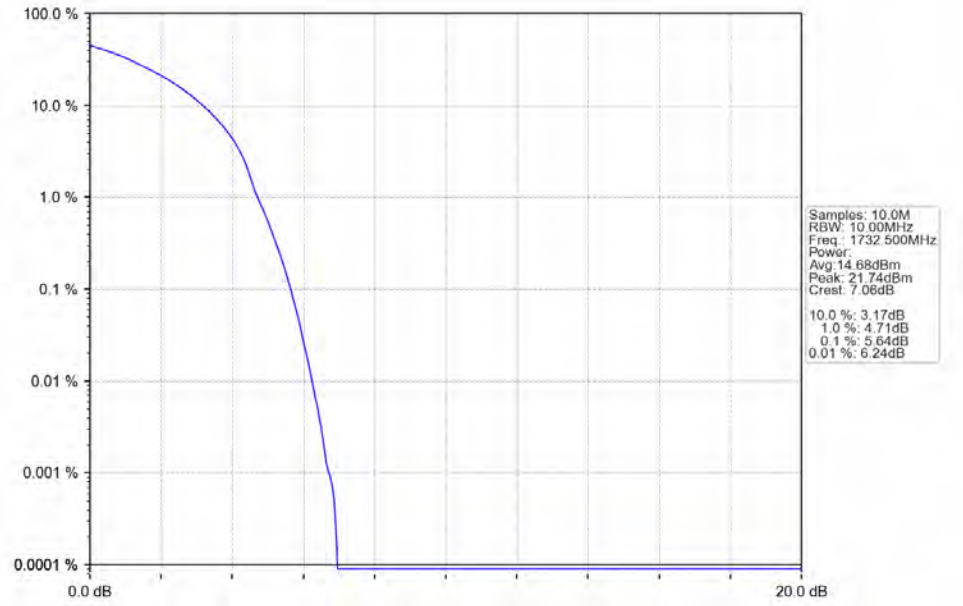


5.2.6 B4_20MHz

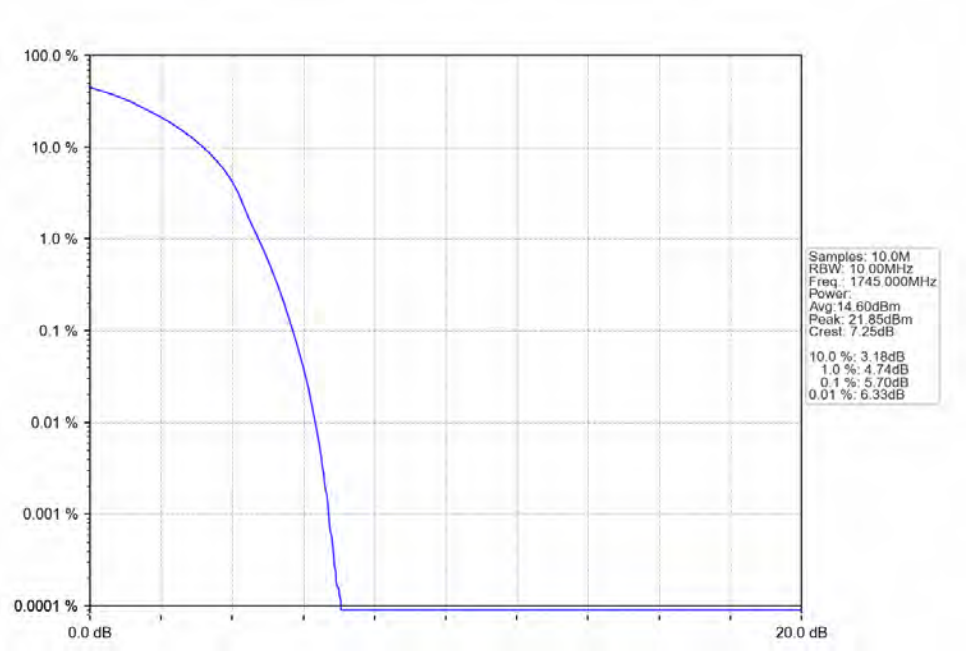
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



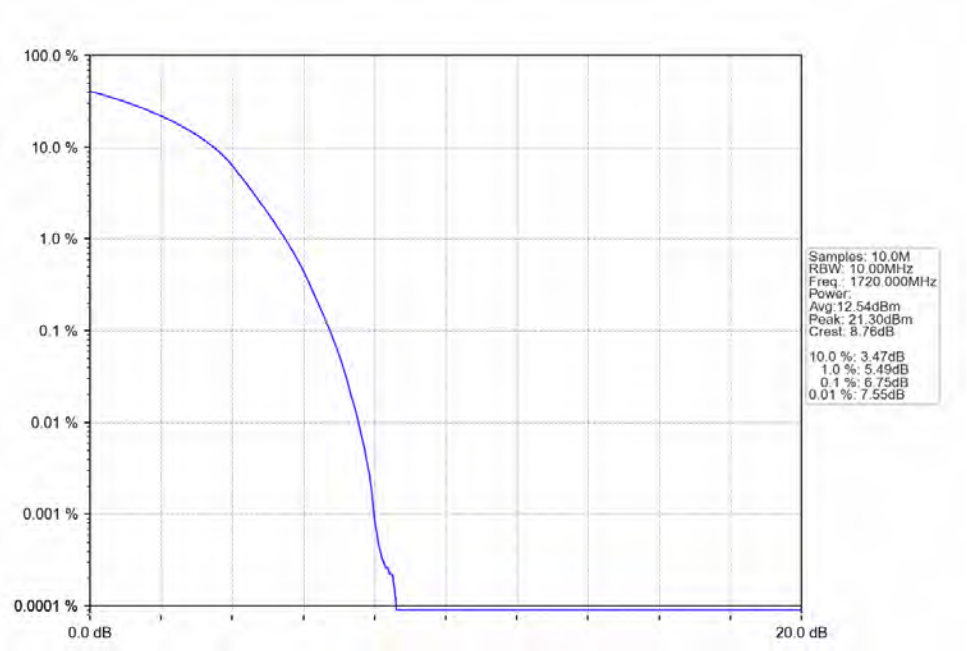
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



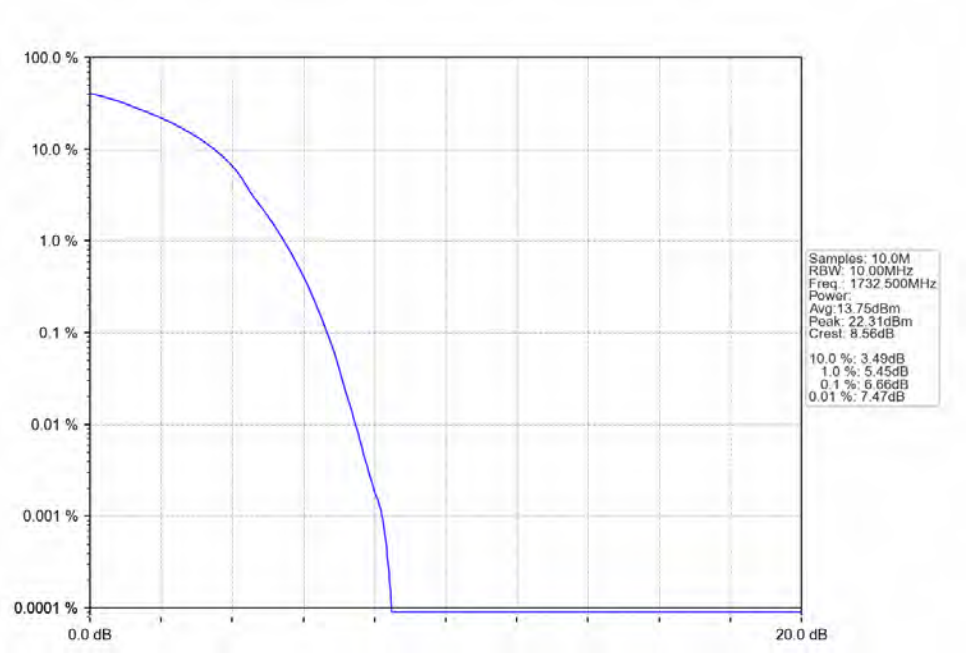
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



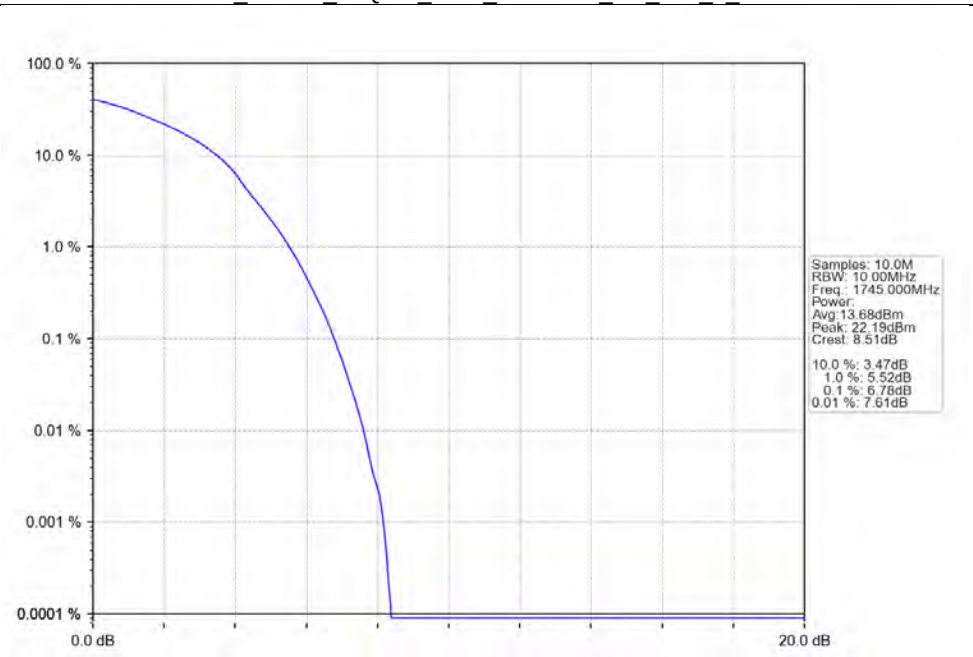
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B4_1.4MHz

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 B4_3MHz

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

6.1.3 B4_5MHz

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

6.1.4 B4_10MHz

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

6.1.5 B4_15MHz

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

6.1.6 B4_20MHz

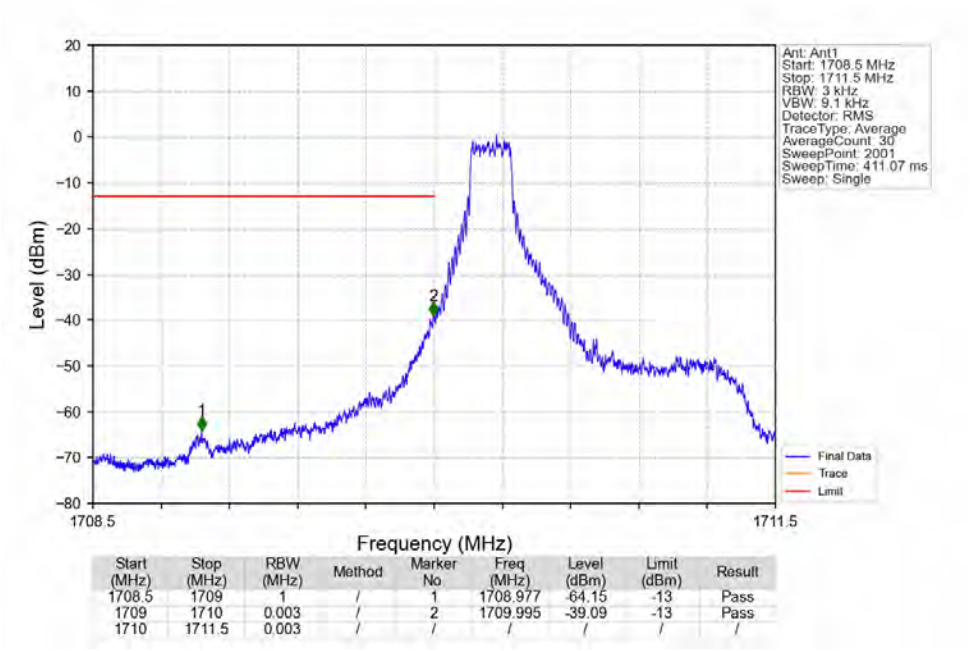
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass

	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

6.2 Test Graph

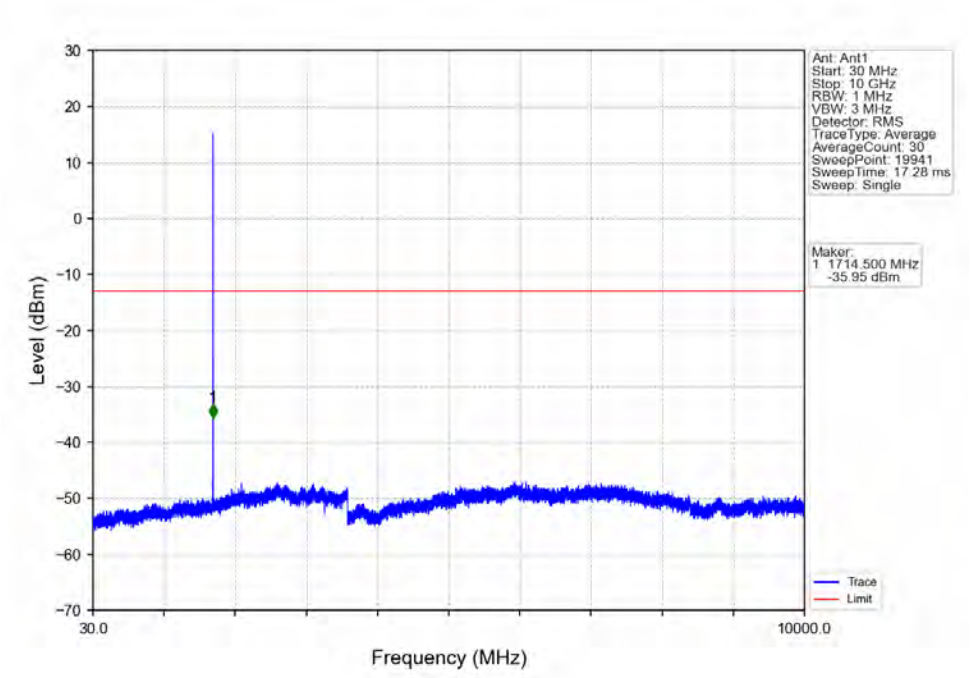
6.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

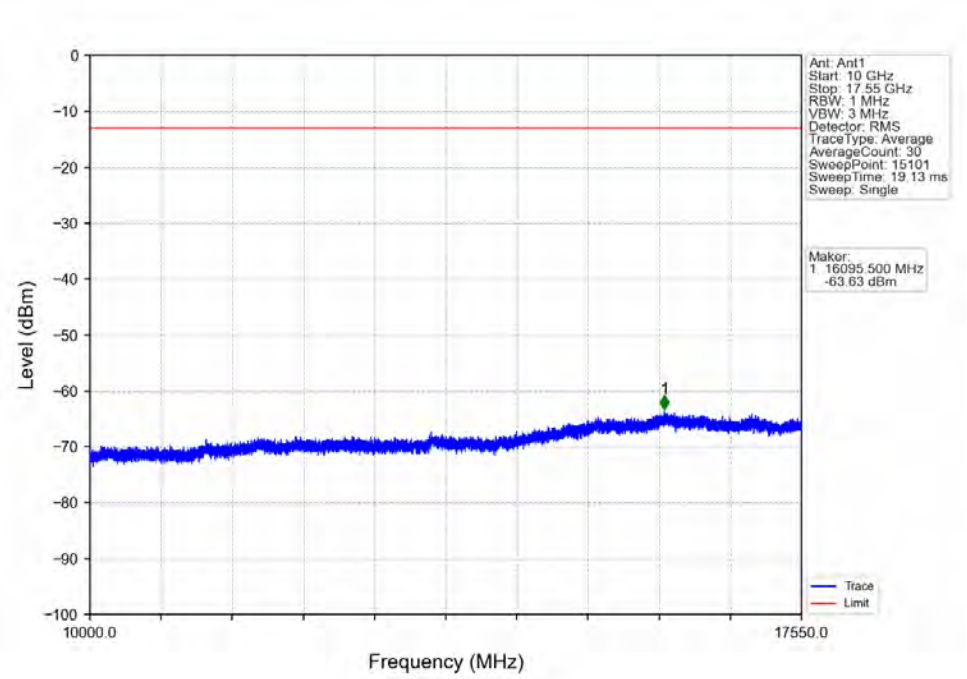


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.977	-64.15	-13	Pass
1709	1710	0.003	/	2	1709.995	-39.09	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

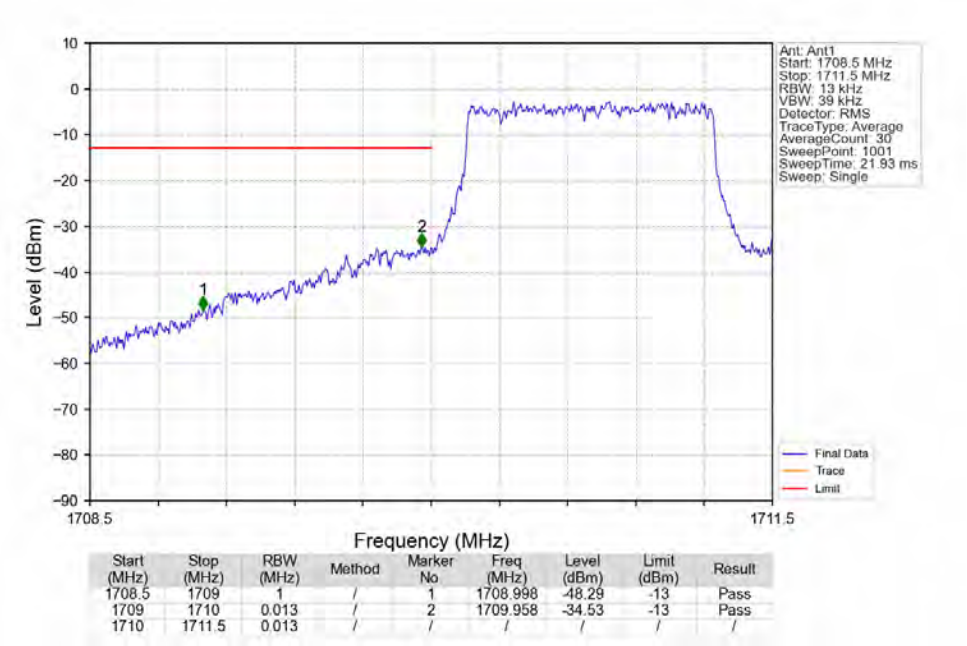
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

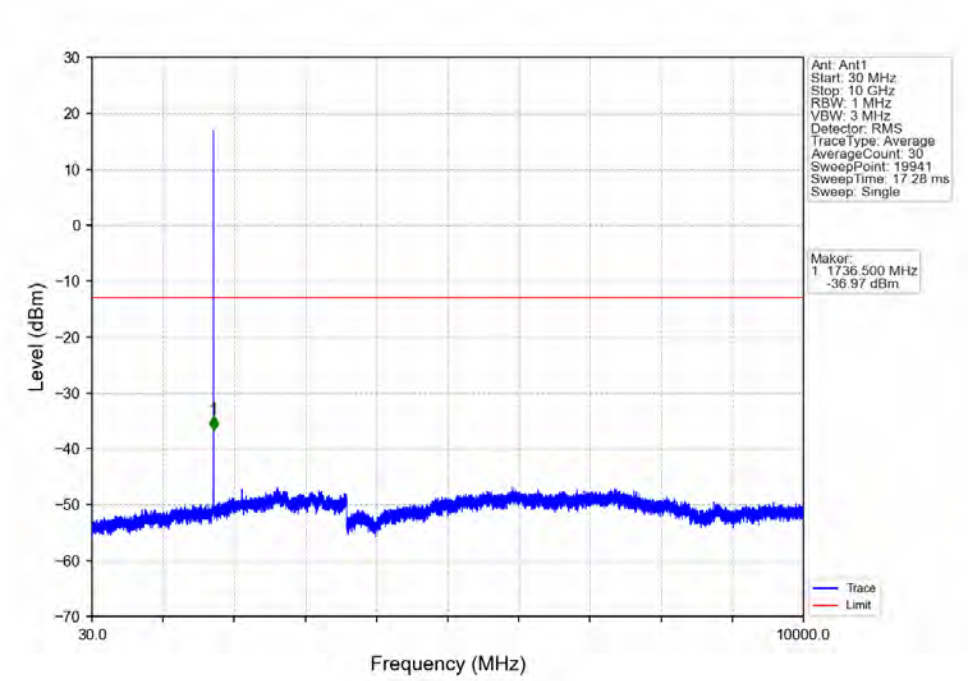


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

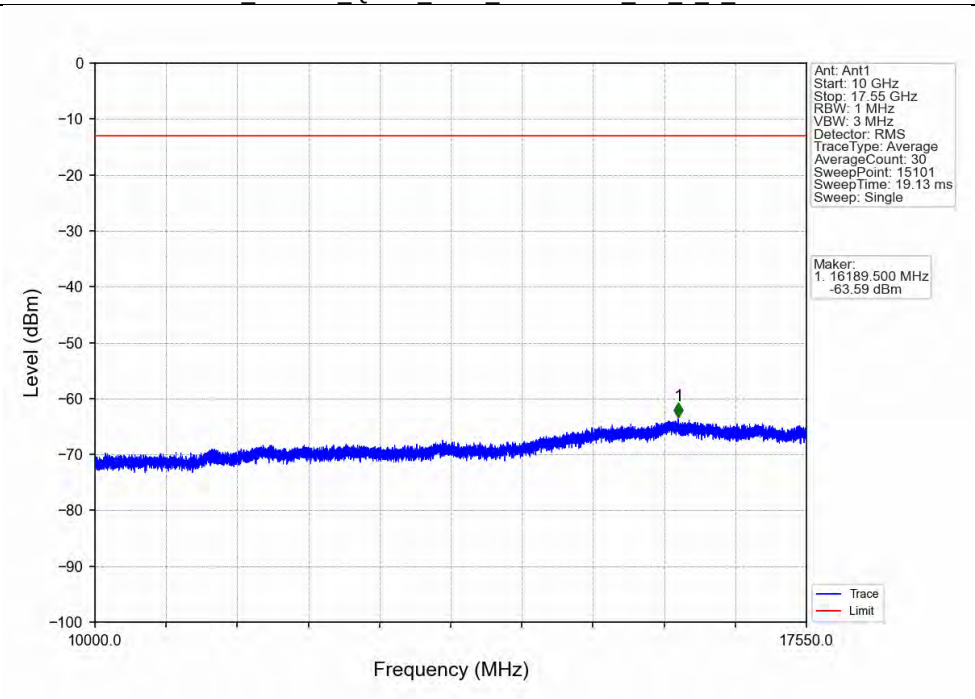


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.998	-48.29	-13	Pass
1709	1710	0.013	/	2	1709.958	-34.53	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

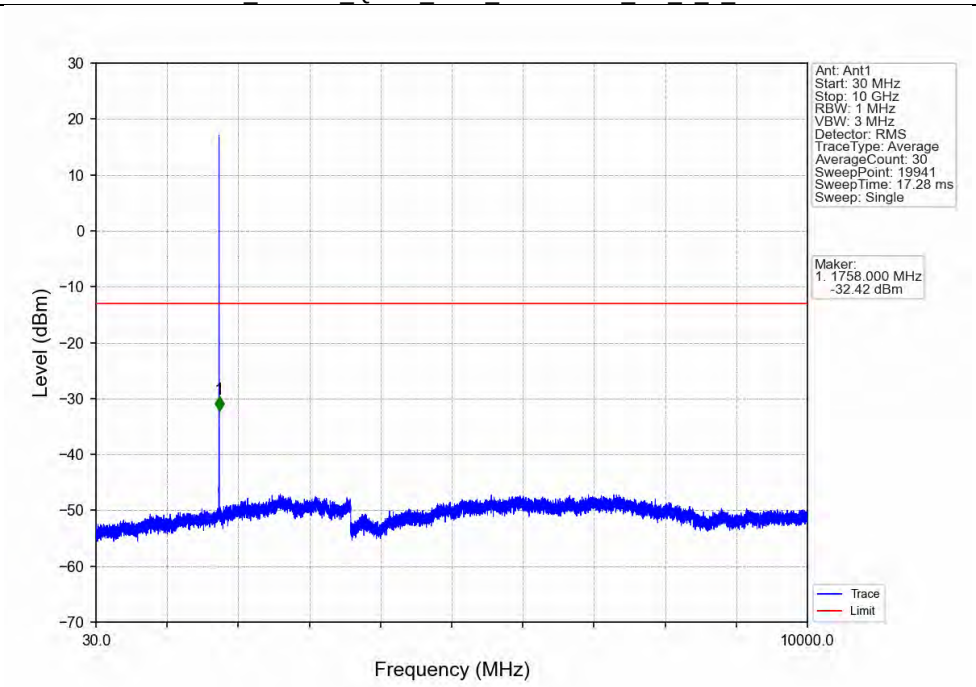
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



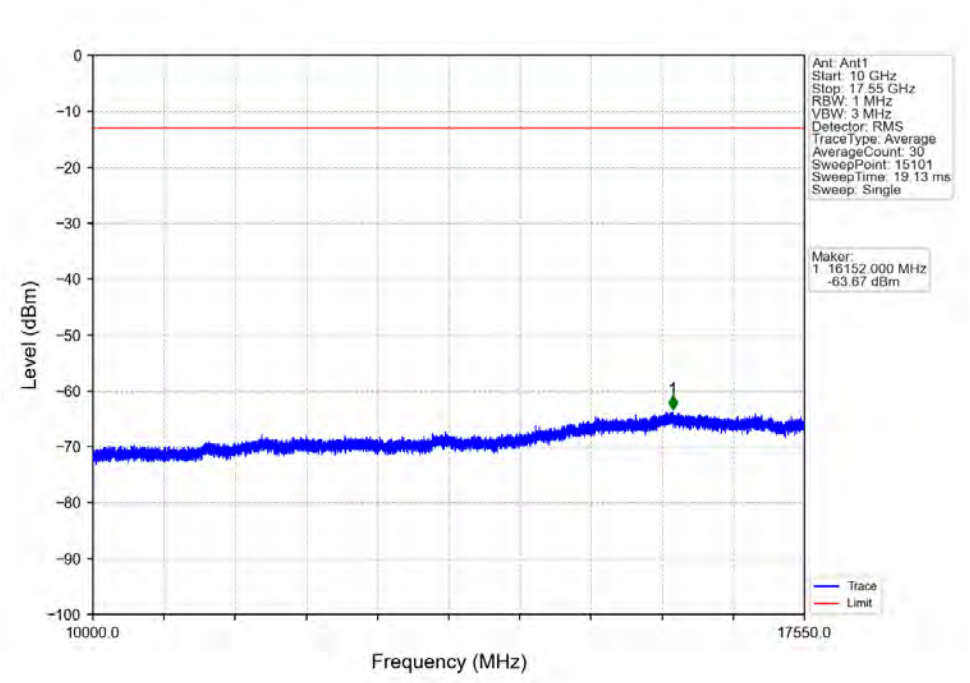
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



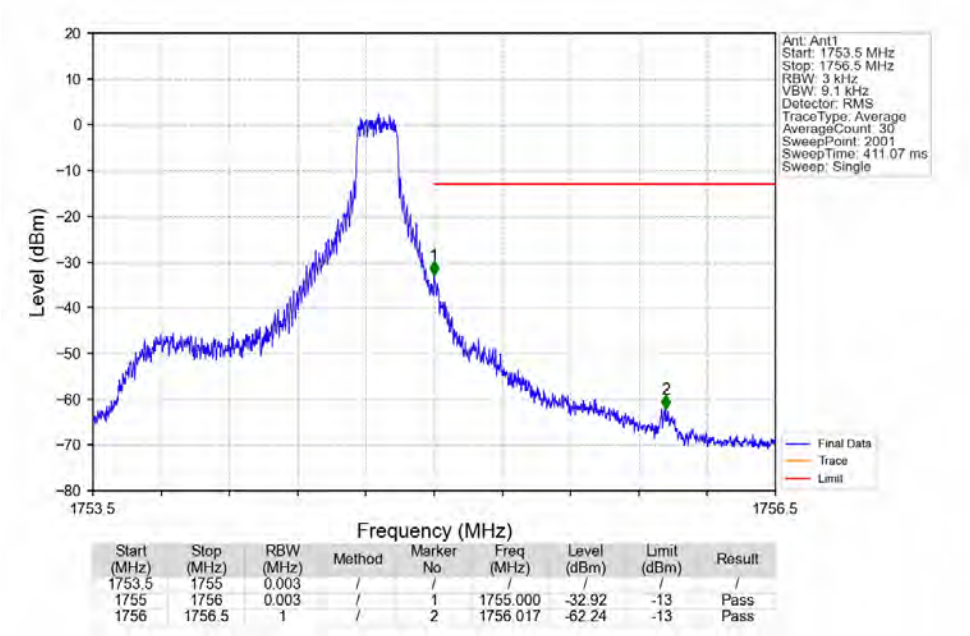
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

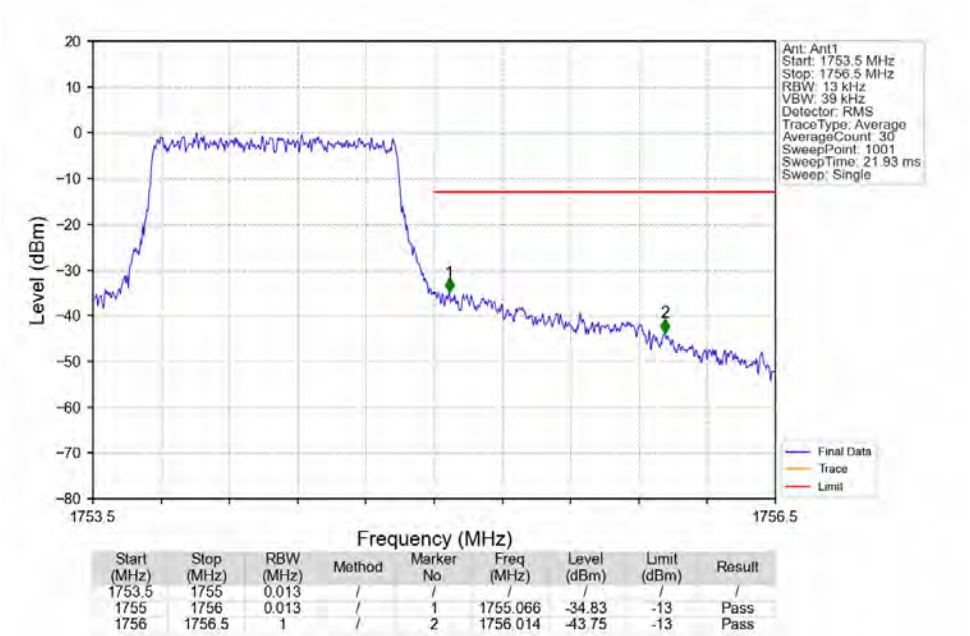


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



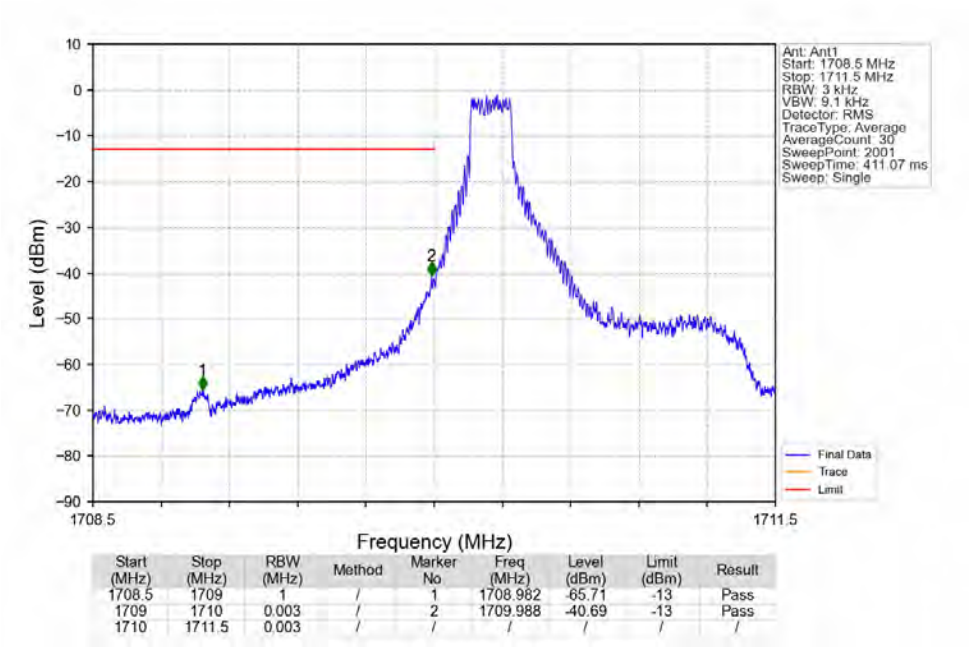
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-32.92	-13	Pass
1756	1756.5	1	/	2	1756.017	-62.24	-13	Pass

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



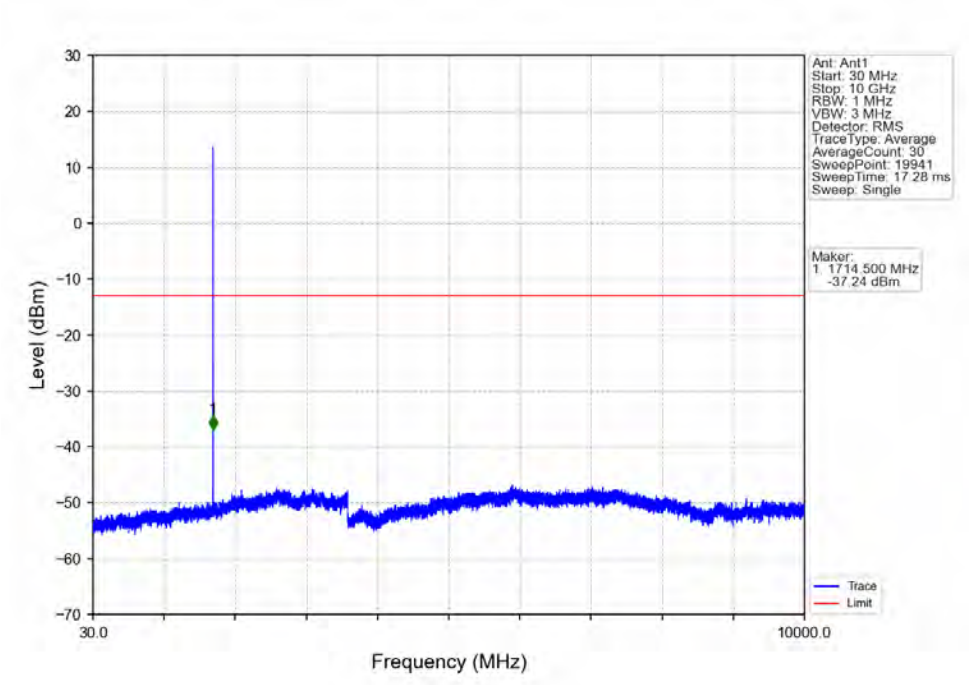
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	/	/	/	/	/
1755	1756	0.013	/	1	1755.066	-34.83	-13	Pass
1756	1756.5	1	/	2	1756.014	-43.75	-13	Pass

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

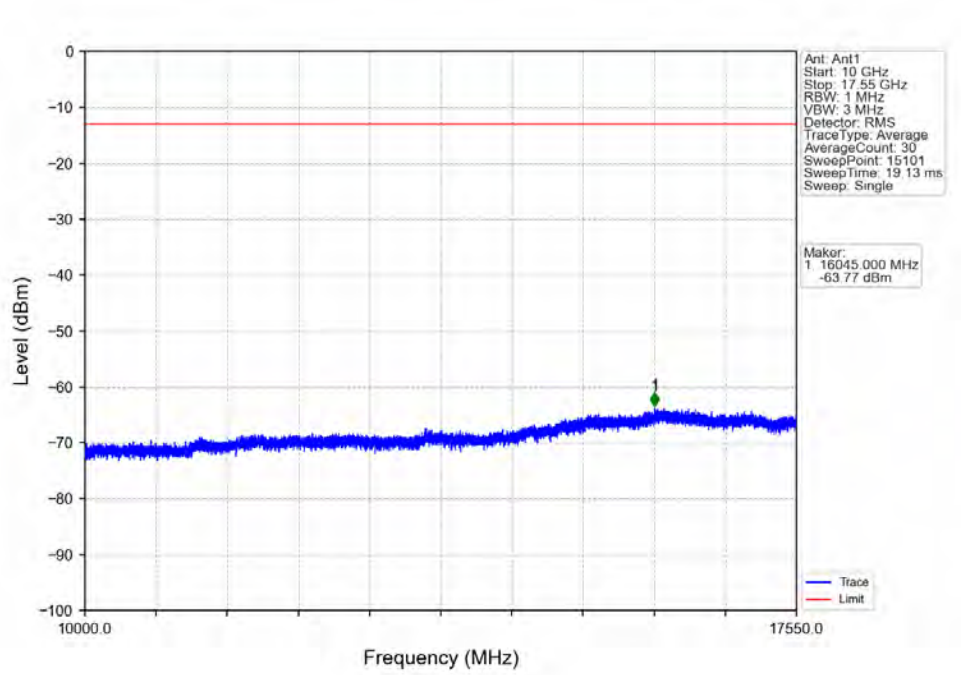


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.982	-65.71	-13	Pass
1709	1710	0.003	/	2	1709.988	-40.69	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

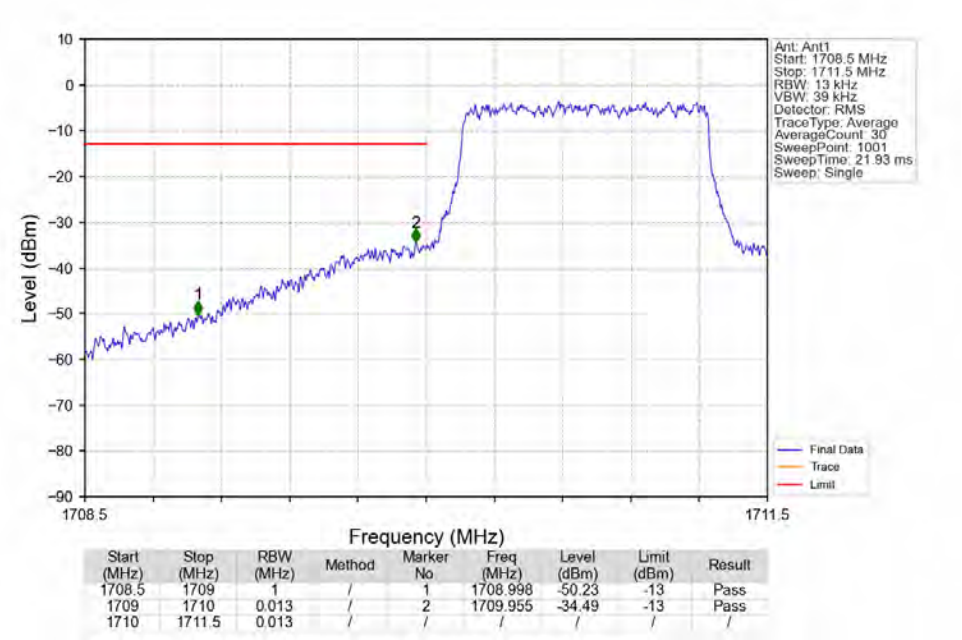
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

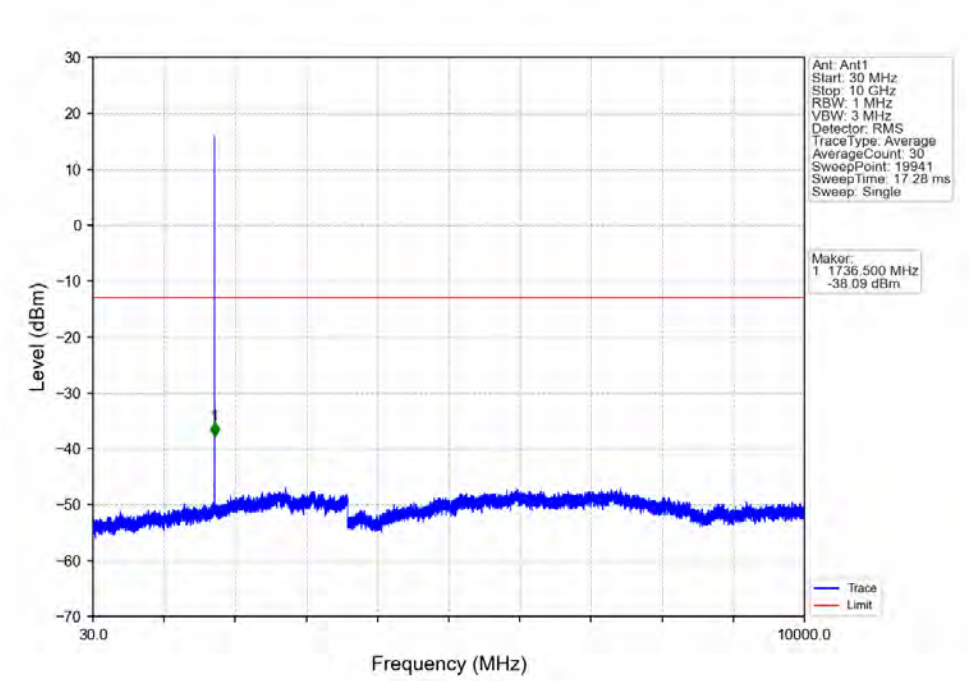


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

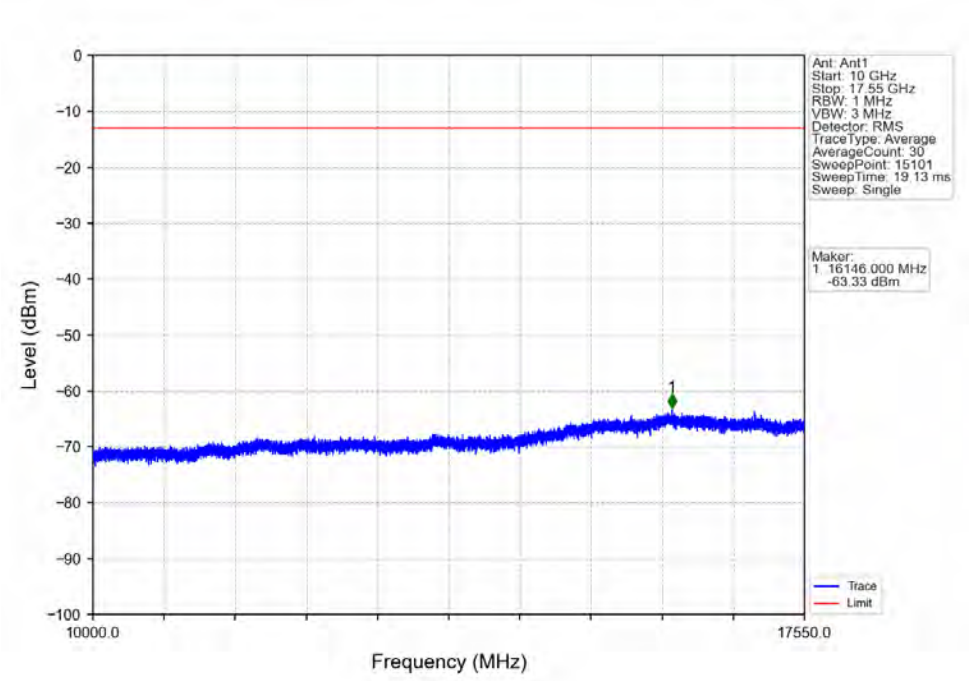


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.998	-50.23	-13	Pass
1709	1710	0.013	/	2	1709.955	-34.49	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

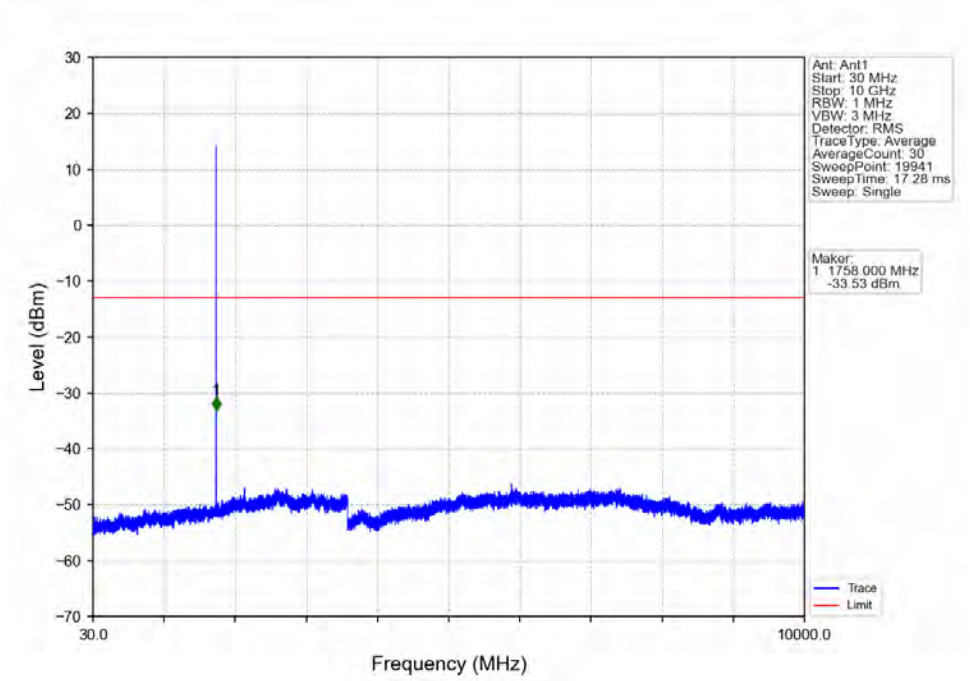
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



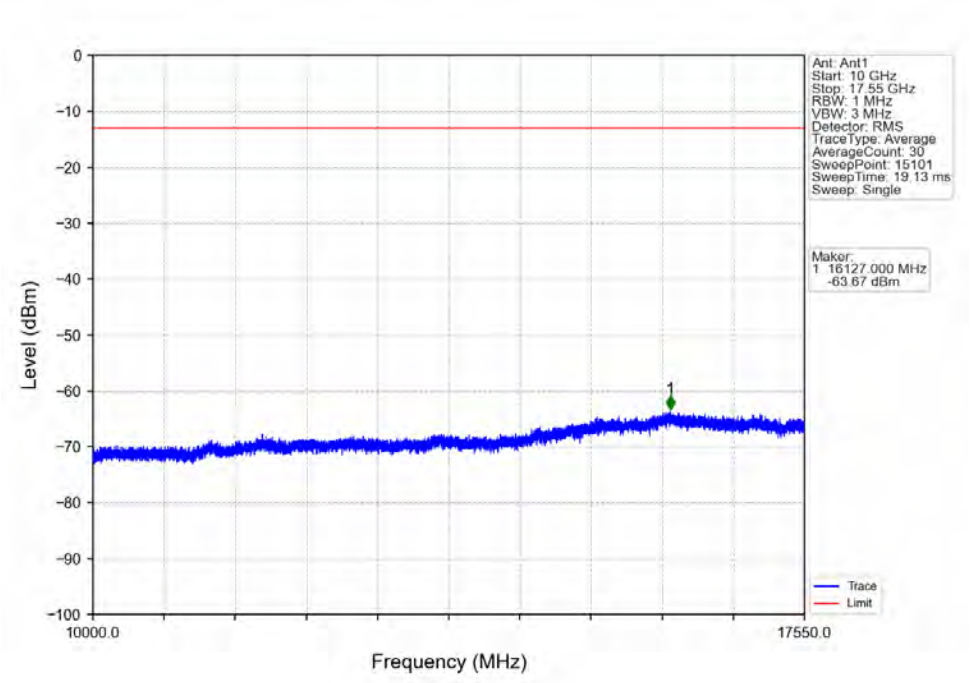
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



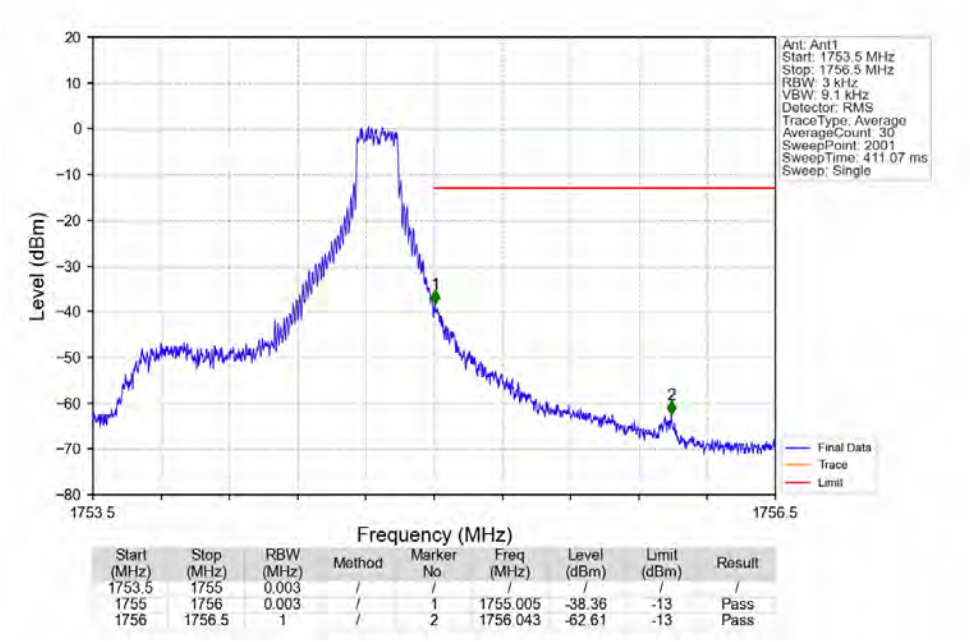
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

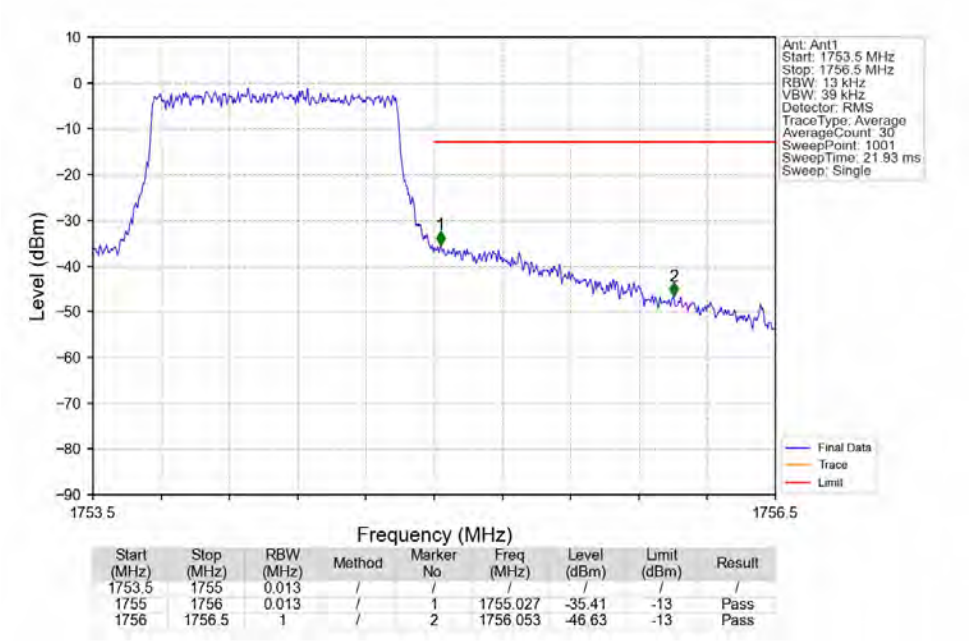


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



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	-38.36	-13	Pass
1756	1756.5	1	/	2	1756.043	-62.61	-13	Pass

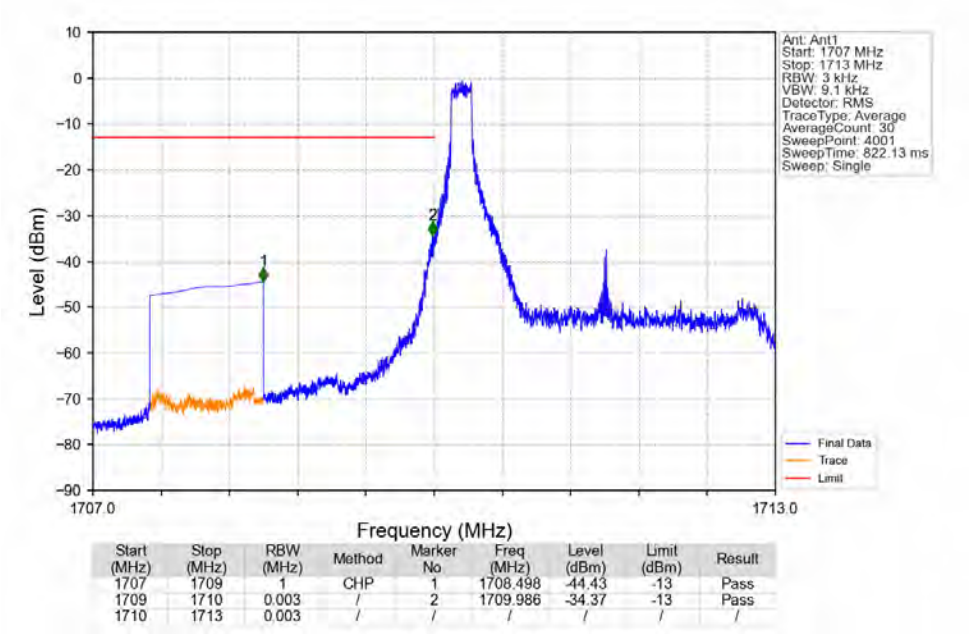
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



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	1755.027	-35.41	-13	Pass
1756	1756.5	1	/	2	1756.053	-46.63	-13	Pass

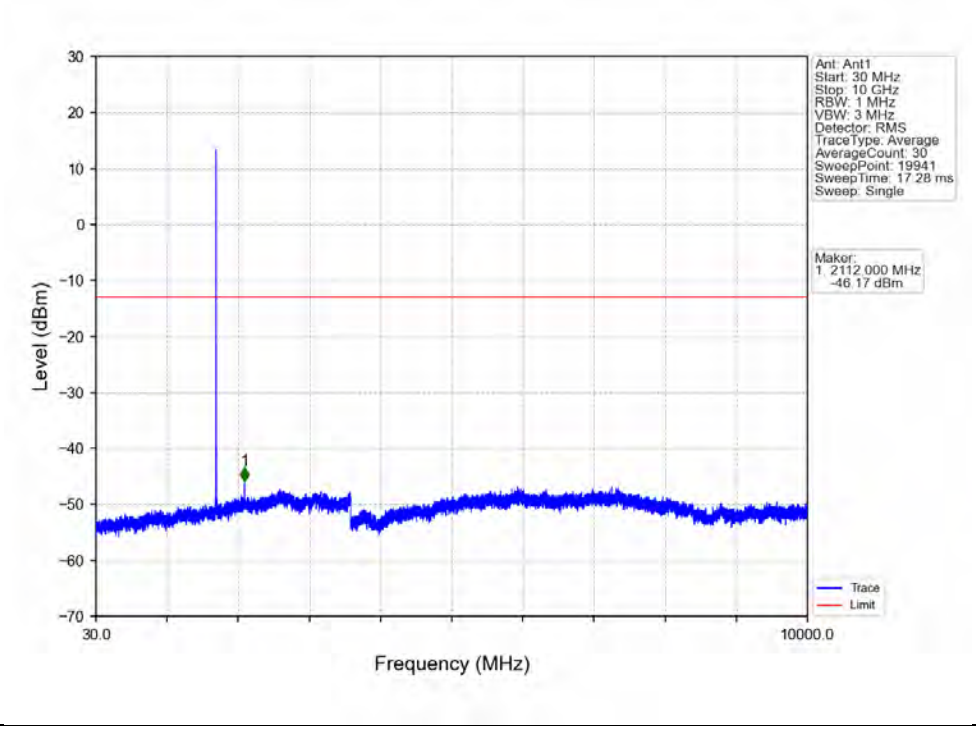
6.2.2 B4_3MHz

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

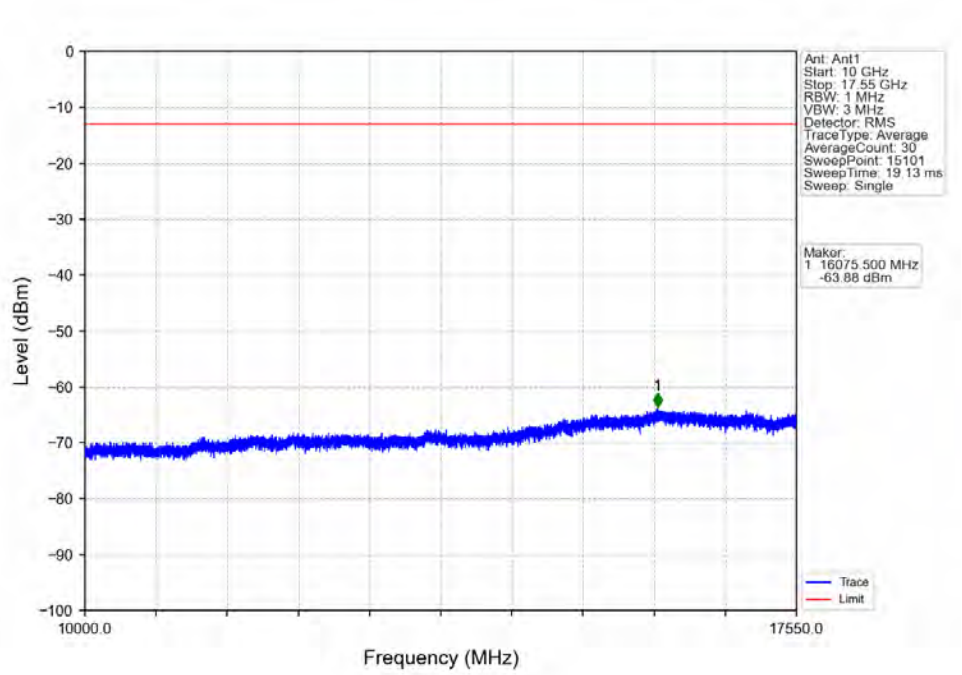


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-44.43	-13	Pass
1709	1710	0.003	/	2	1709.986	-34.37	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

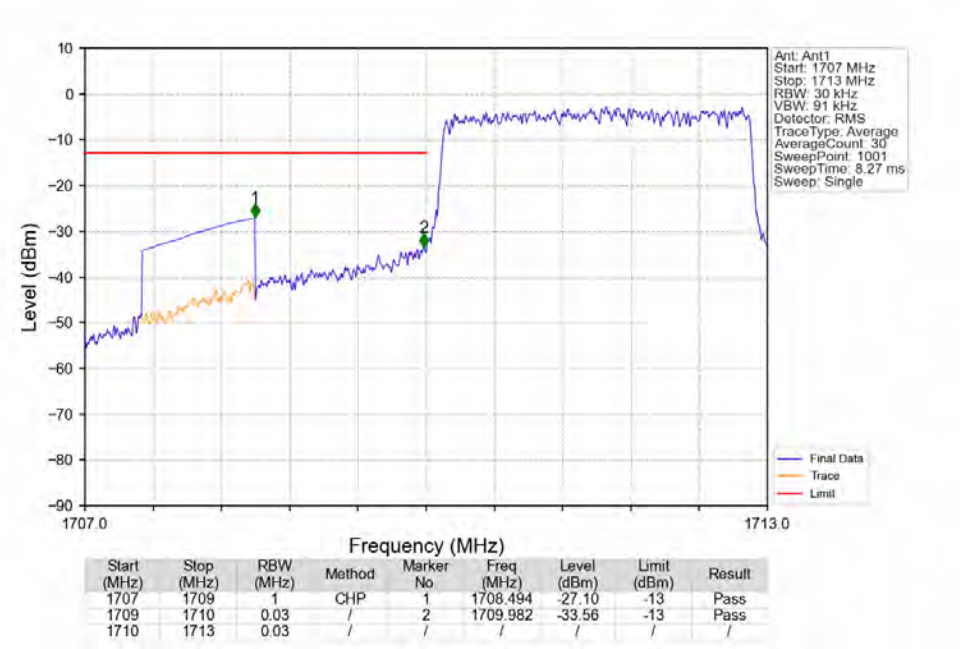
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

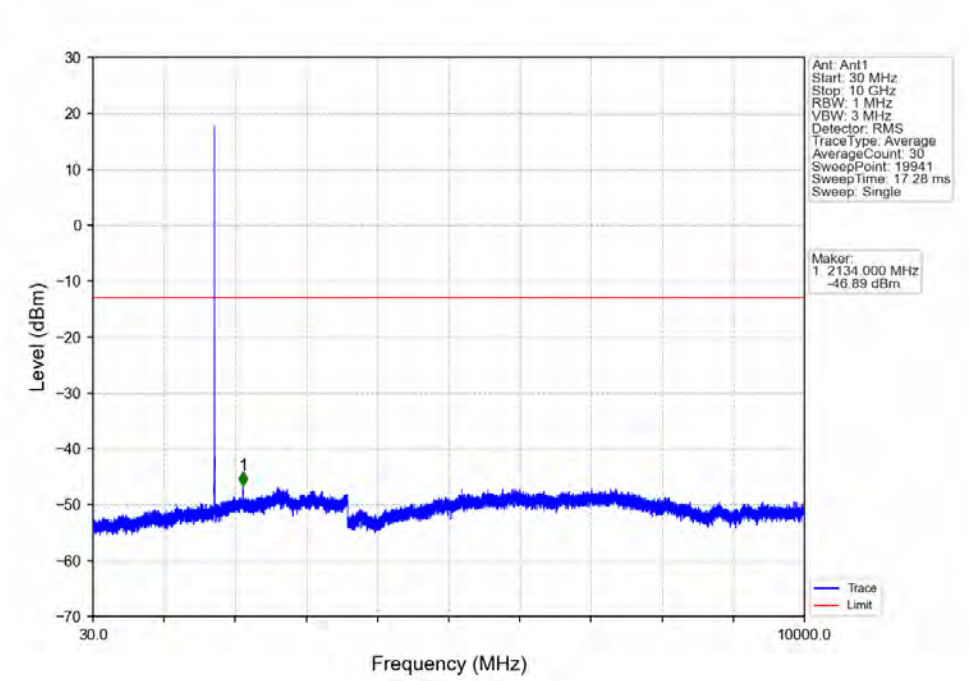


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

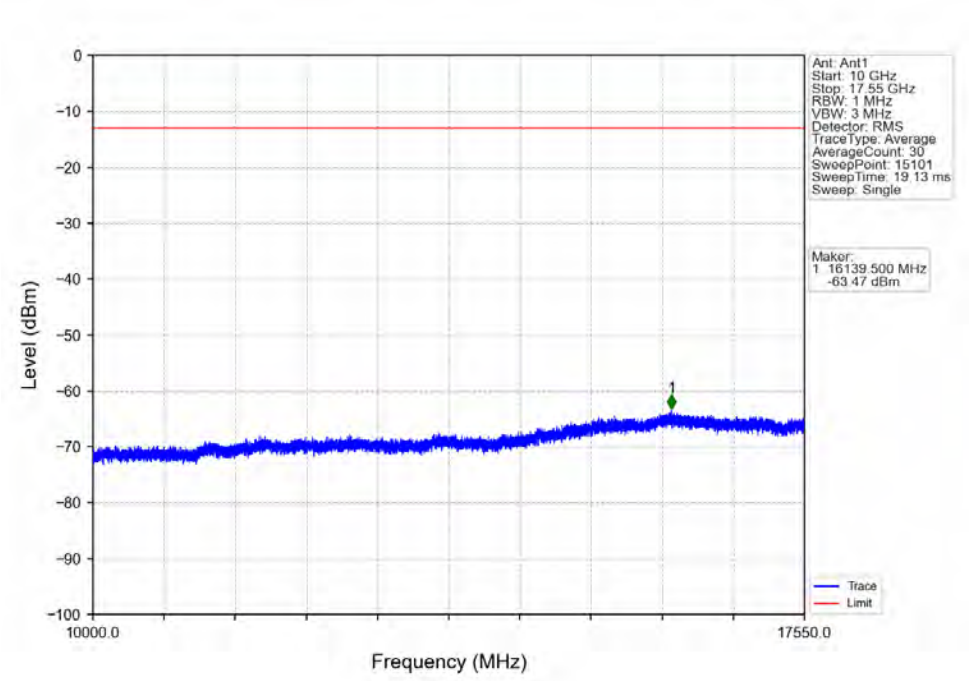


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-27.10	-13	Pass
1709	1710	0.03	/	2	1709.982	-33.56	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

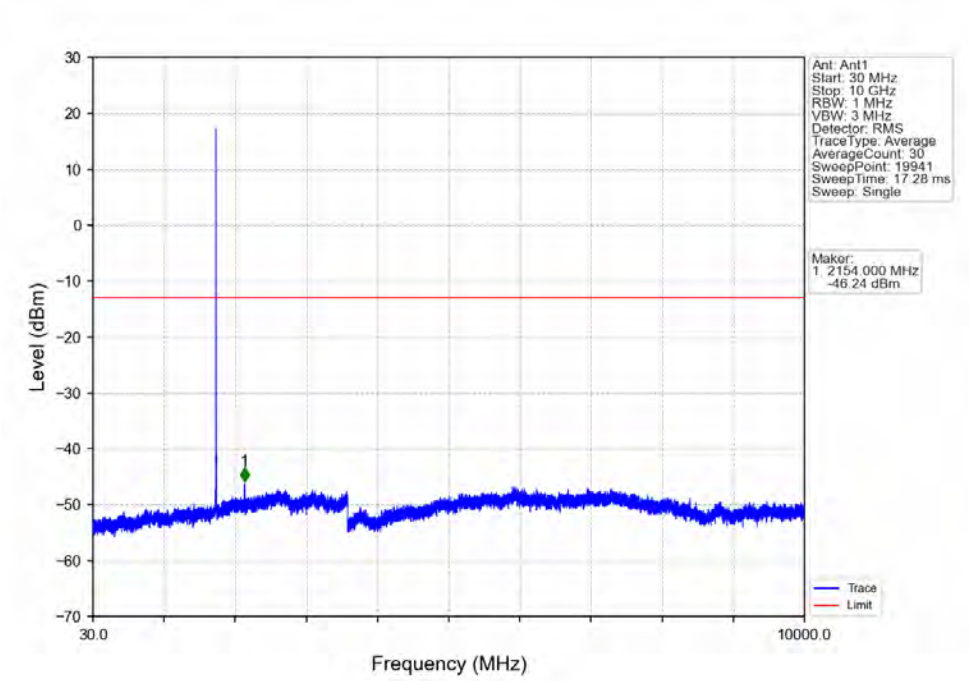
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



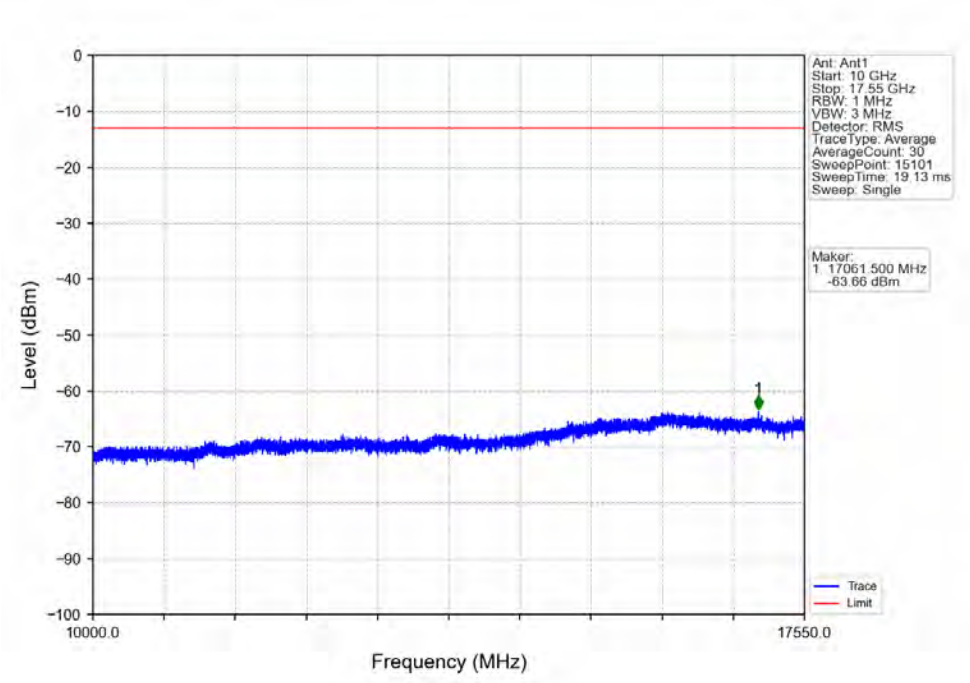
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



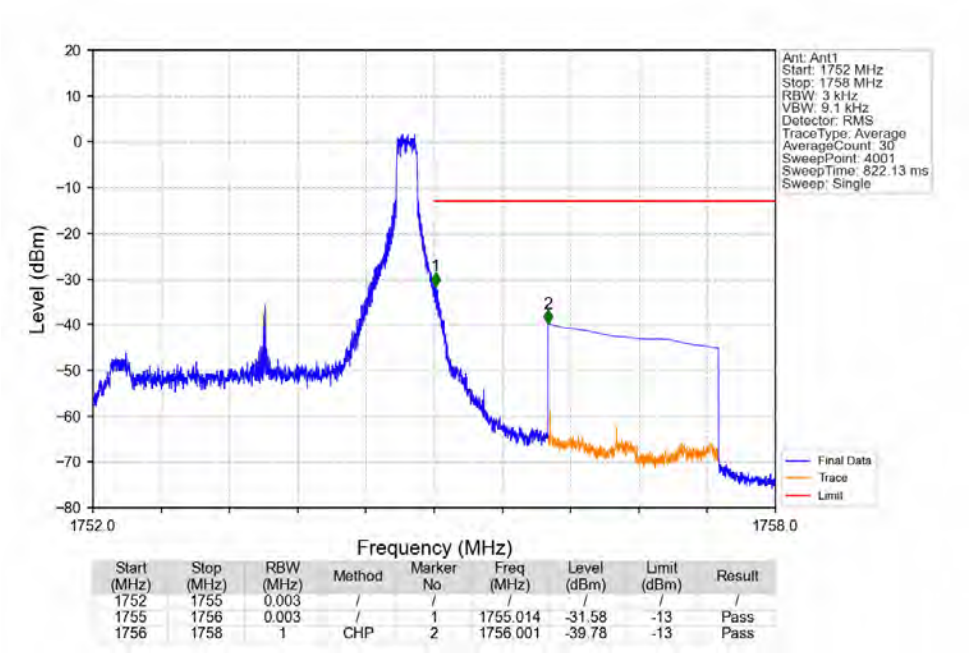
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

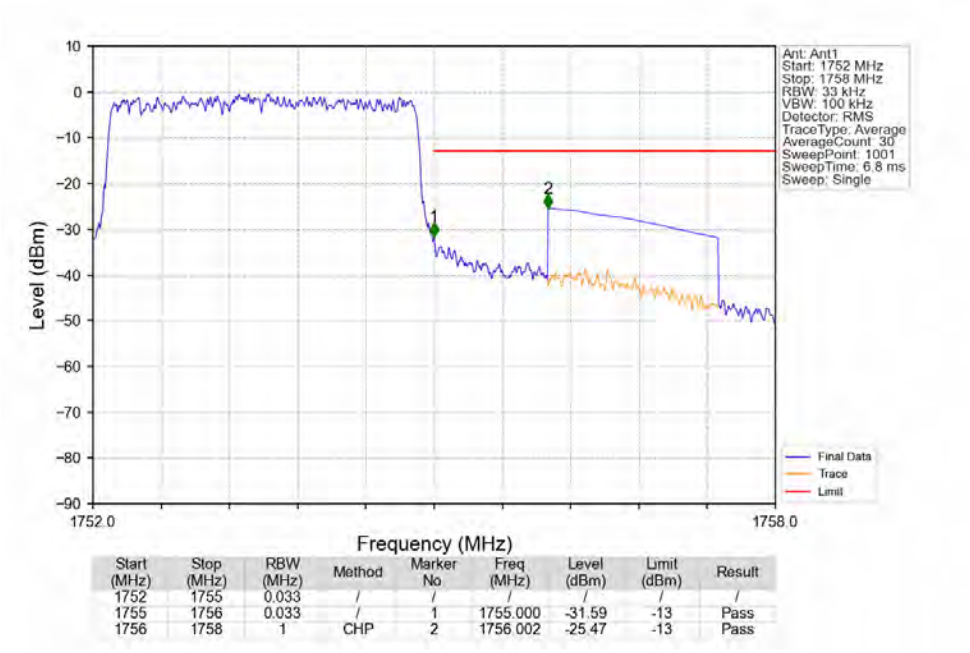


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



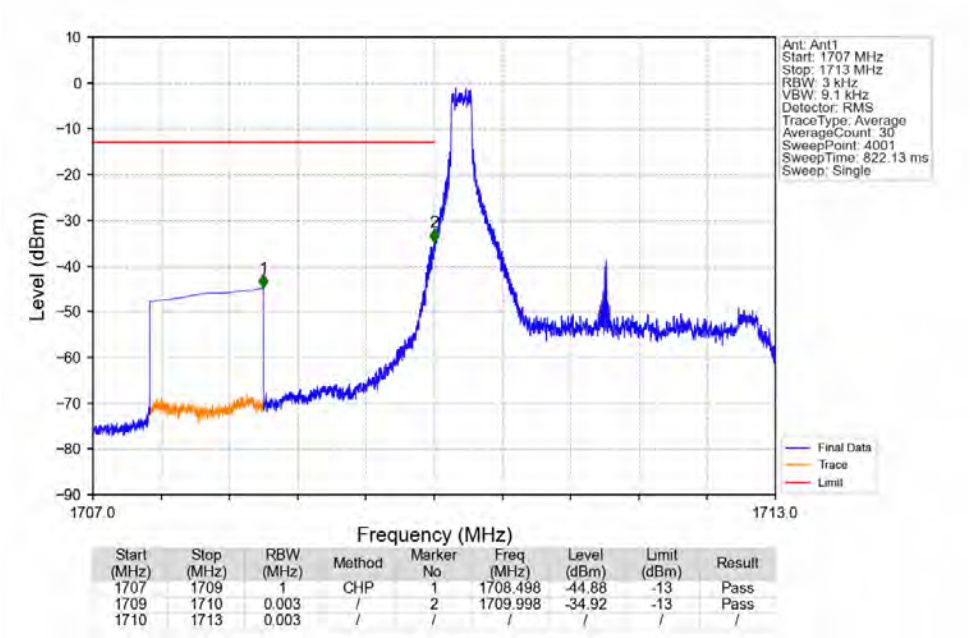
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.014	-31.58	-13	Pass
1756	1758	1	CHP	2	1756.001	-39.78	-13	Pass

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



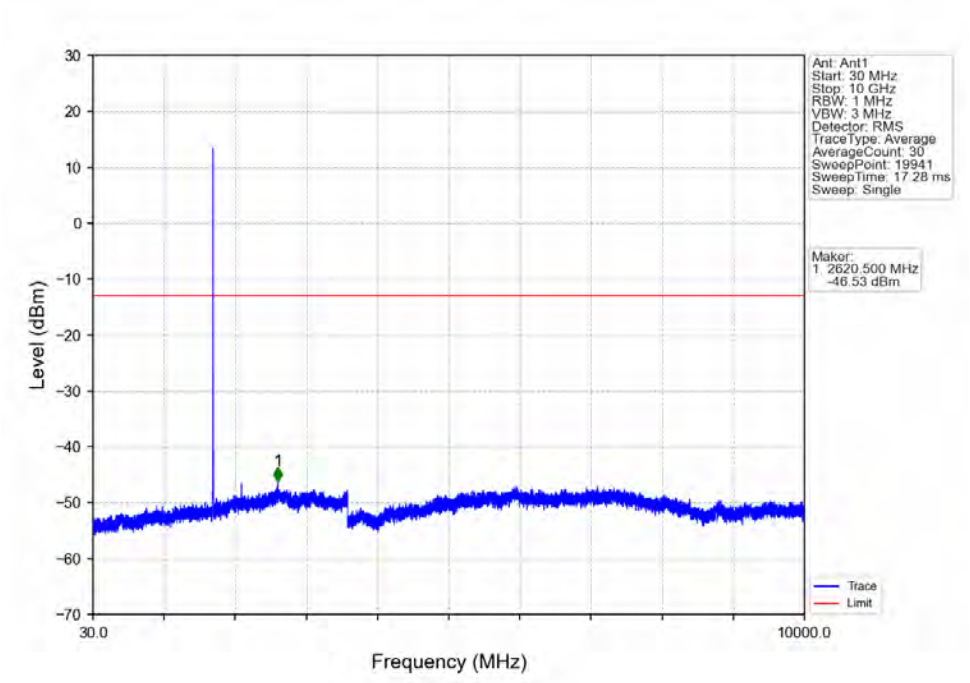
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.033	/	/	/	/	/	/
1755	1756	0.033	/	1	1755.000	-31.59	-13	Pass
1756	1758	1	CHP	2	1756.002	-25.47	-13	Pass

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

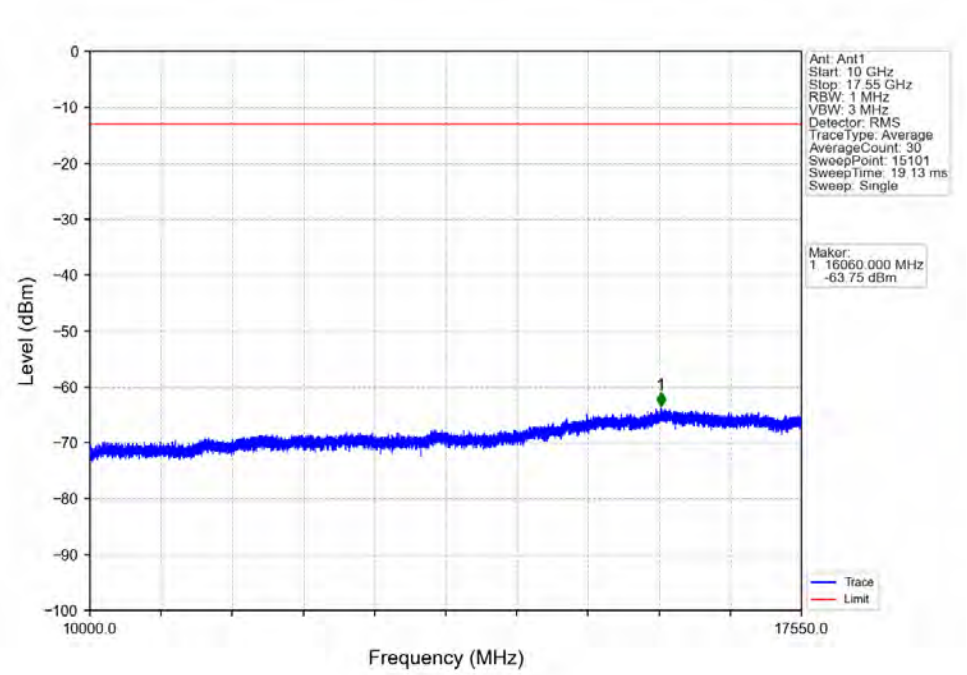


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-44.88	-13	Pass
1709	1710	0.003	/	2	1709.998	-34.92	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

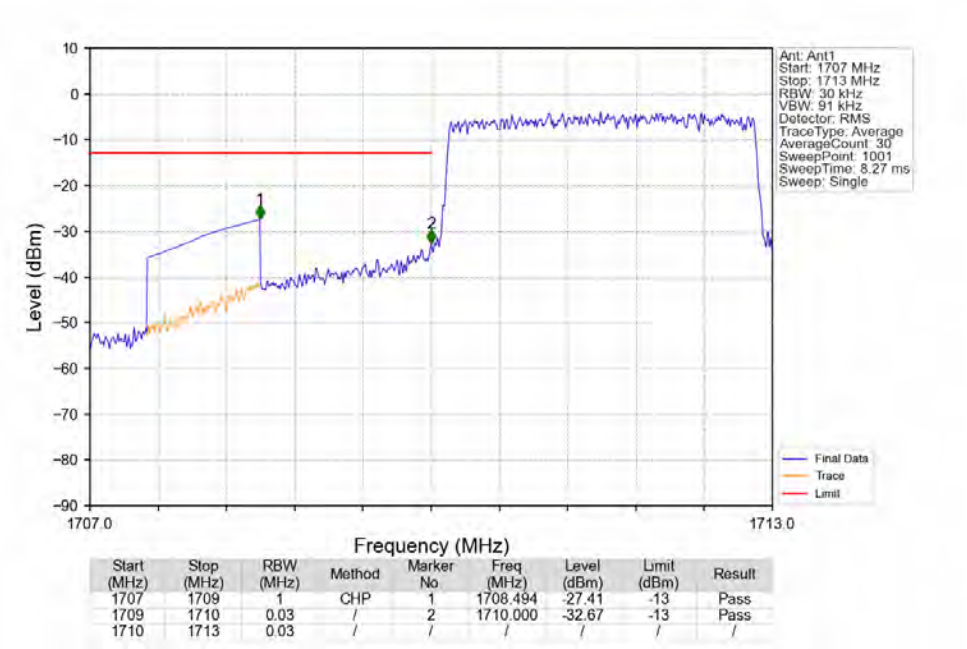
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

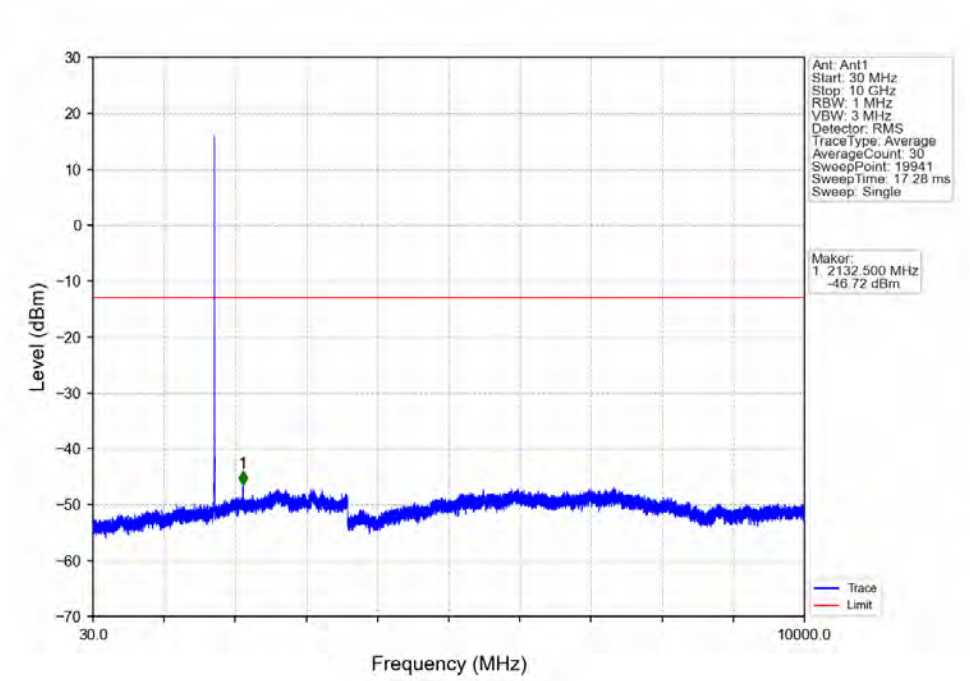


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

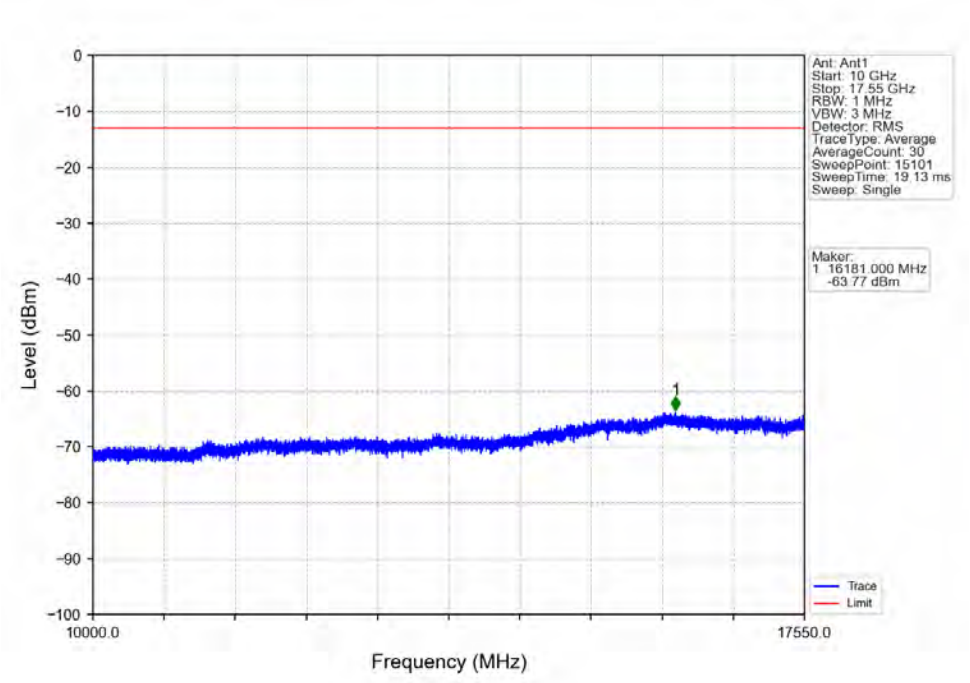


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-27.41	-13	Pass
1709	1710	0.03	/	2	1710.000	-32.67	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

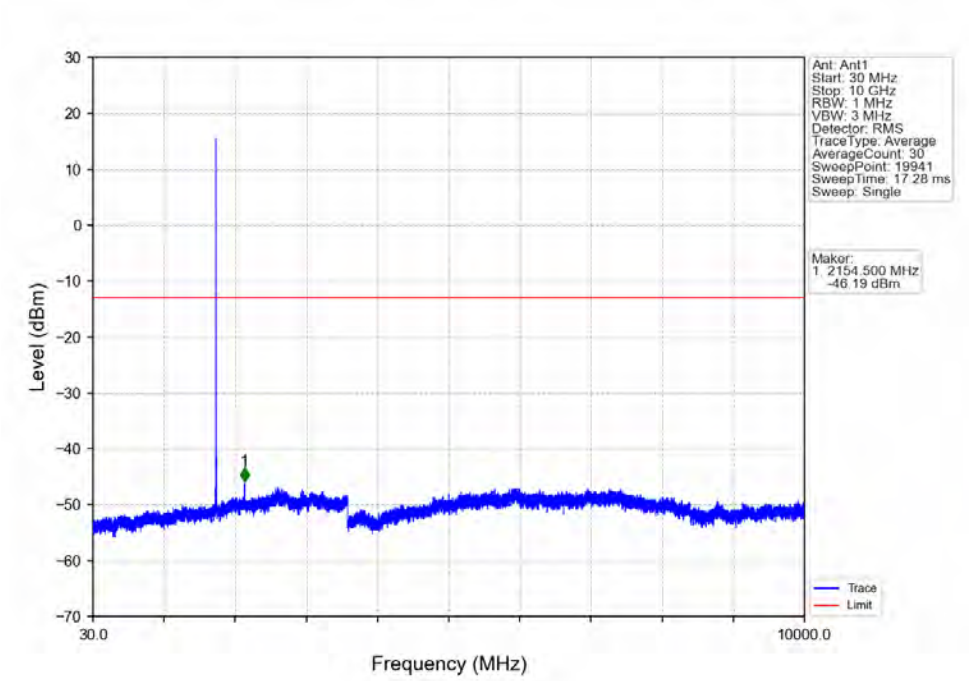
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



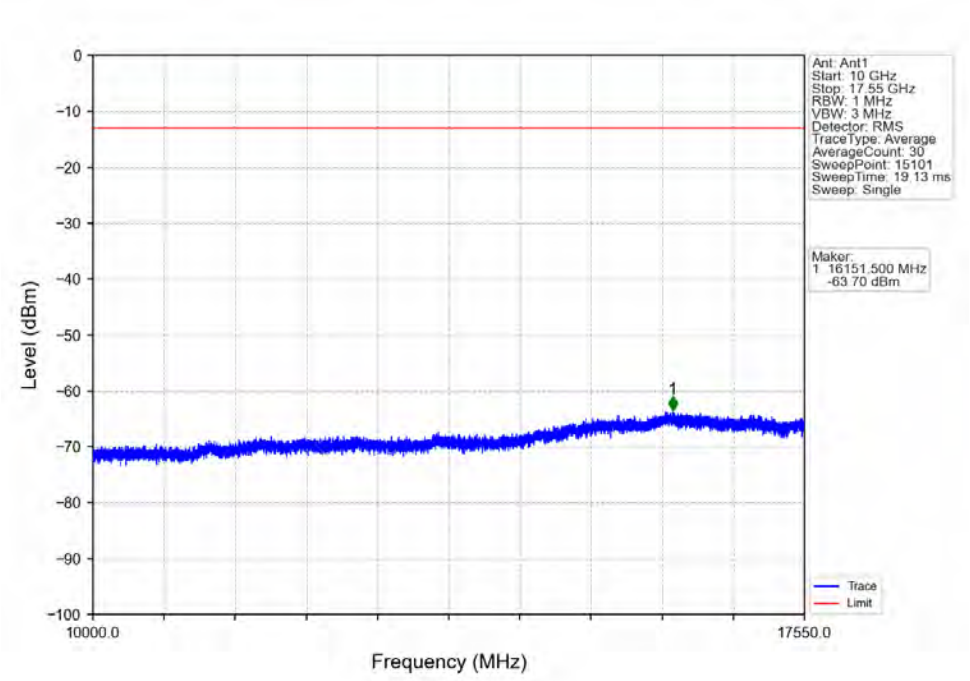
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



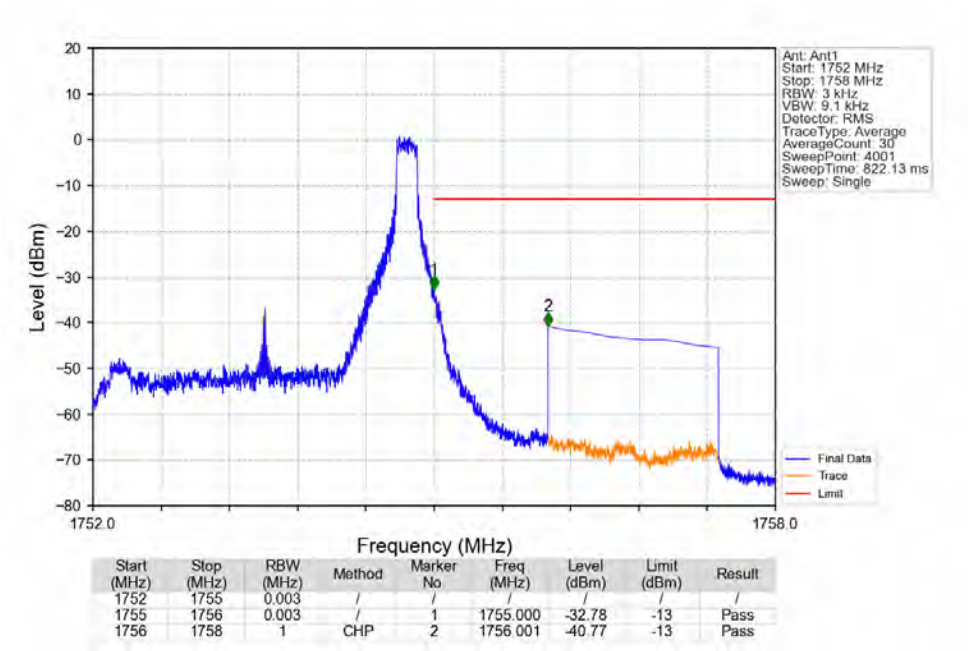
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV

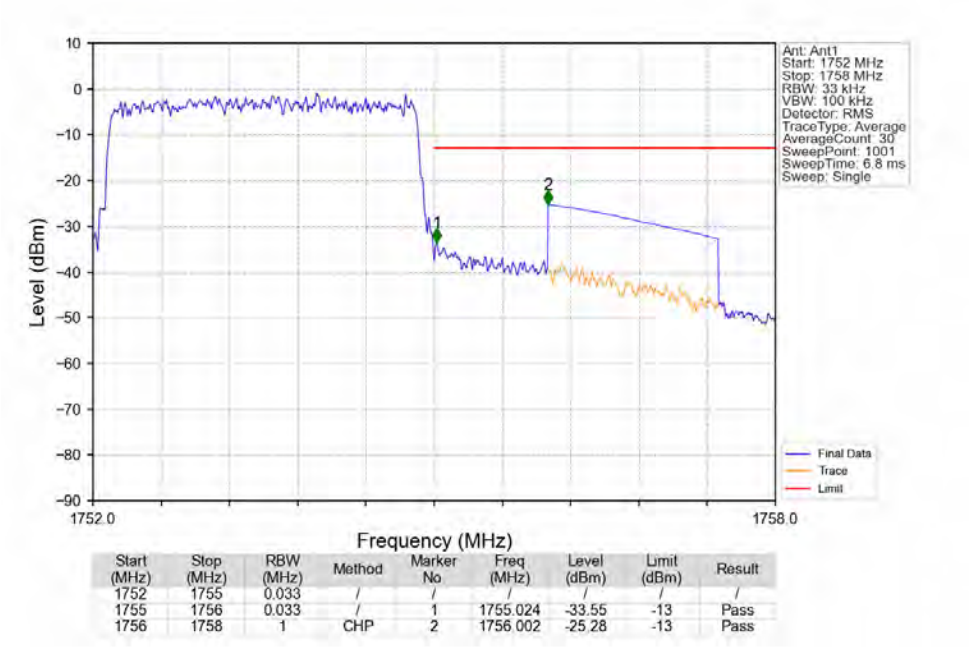


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTNV



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	-32.78	-13	Pass
1756	1758	1	CHP	2	1756.001	-40.77	-13	Pass

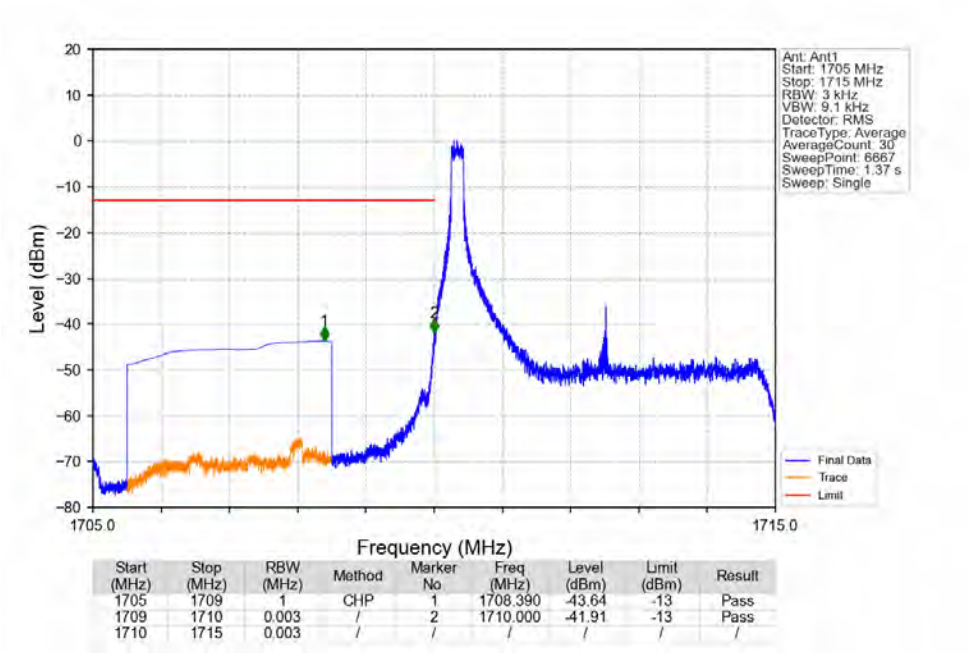
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.033	/	/	/	/	/	/
1755	1756	0.033	/	1	1755.024	-33.55	-13	Pass
1756	1758	1	CHP	2	1756.002	-25.28	-13	Pass

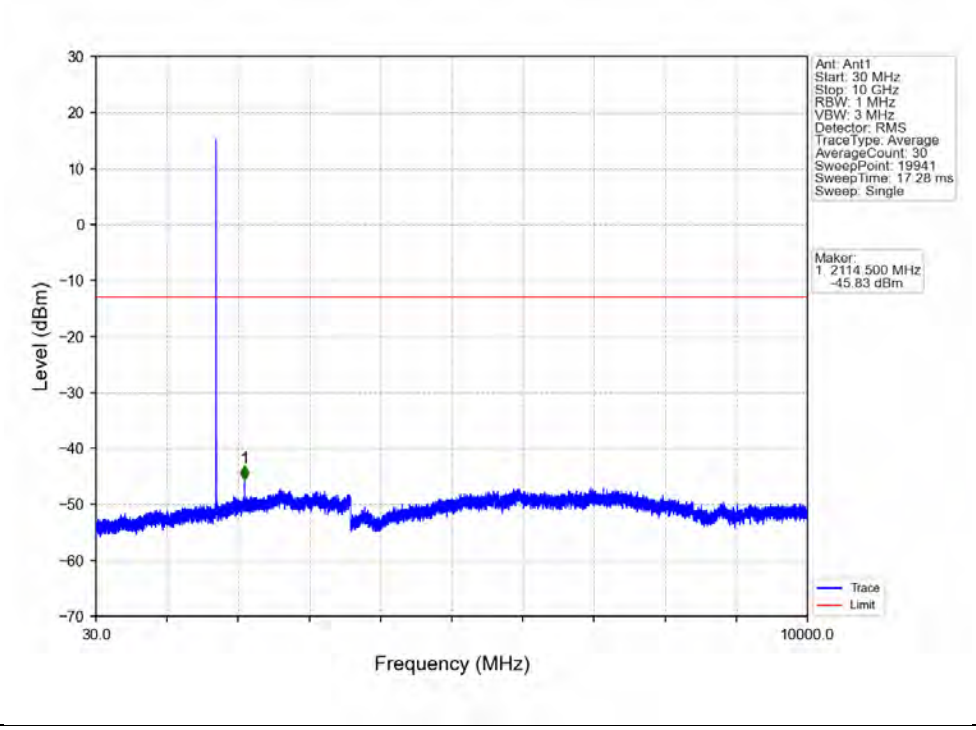
6.2.3 B4_5MHz

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

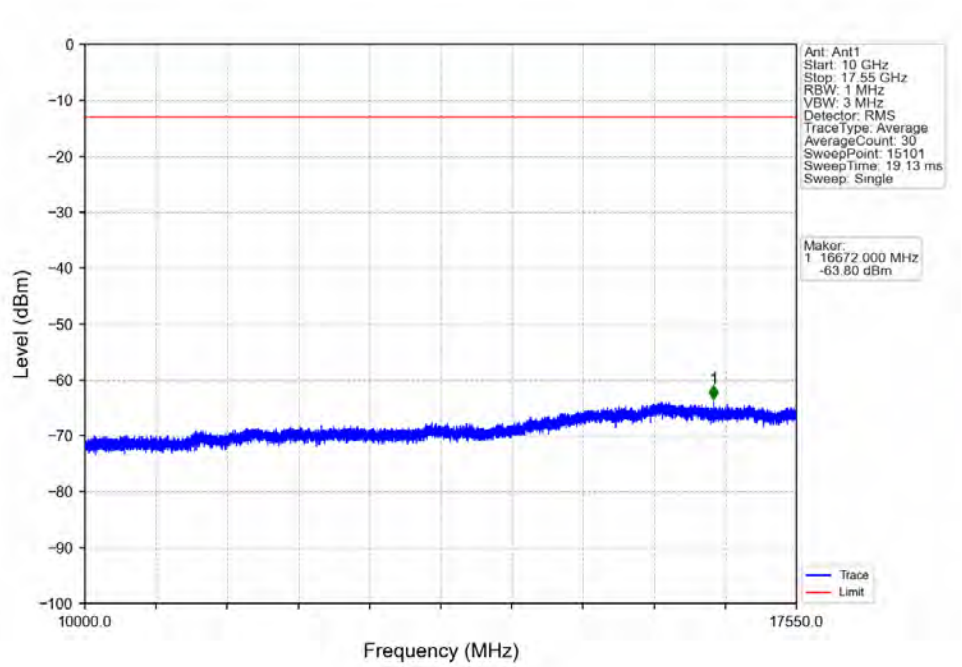


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.390	-43.64	-13	Pass
1709	1710	0.003	/	2	1710.000	-41.91	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

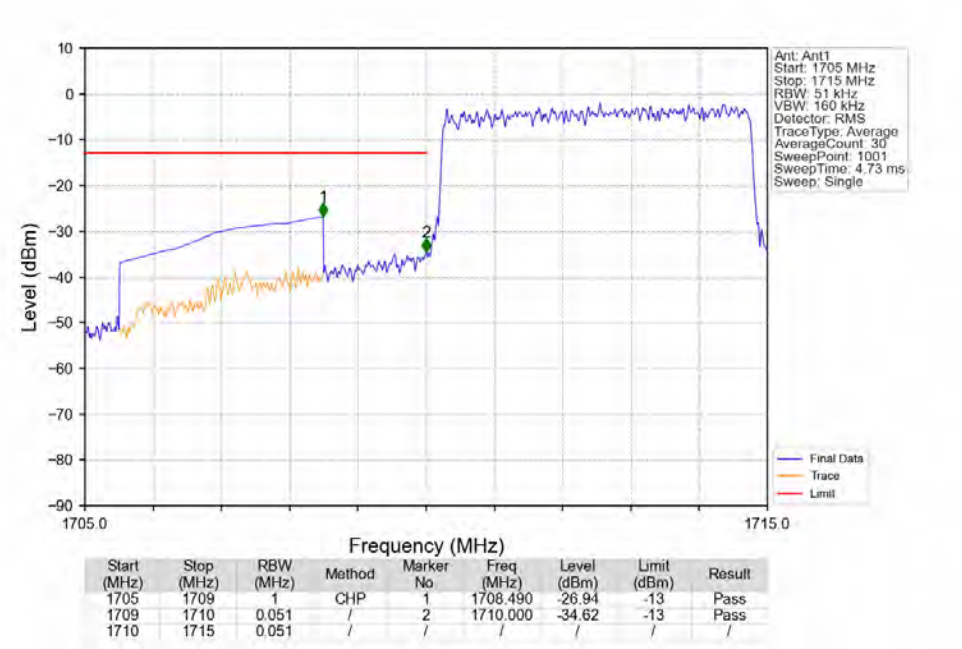
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

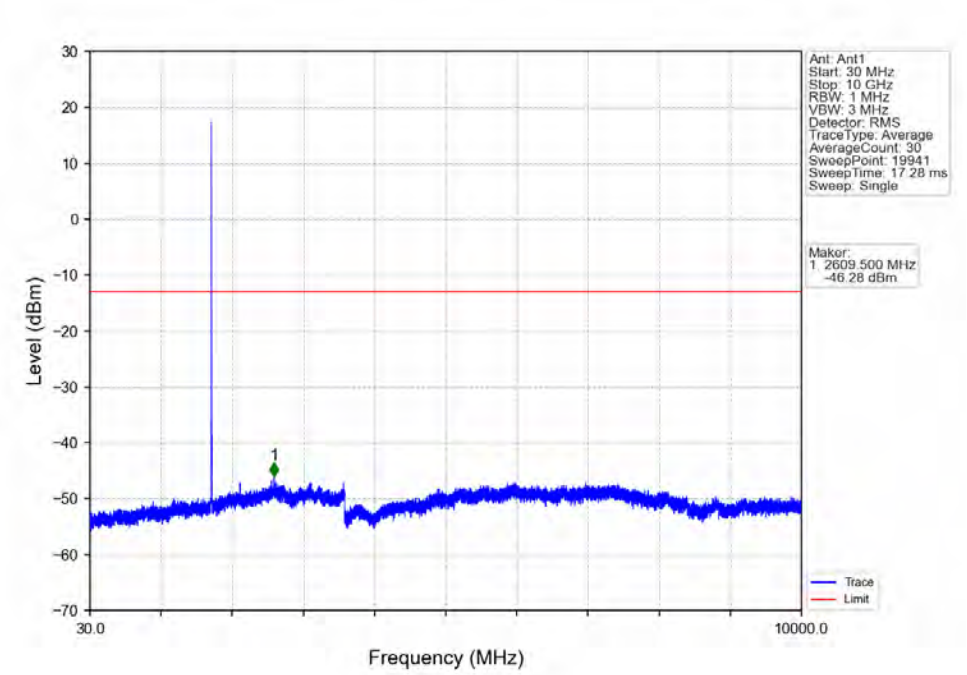


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

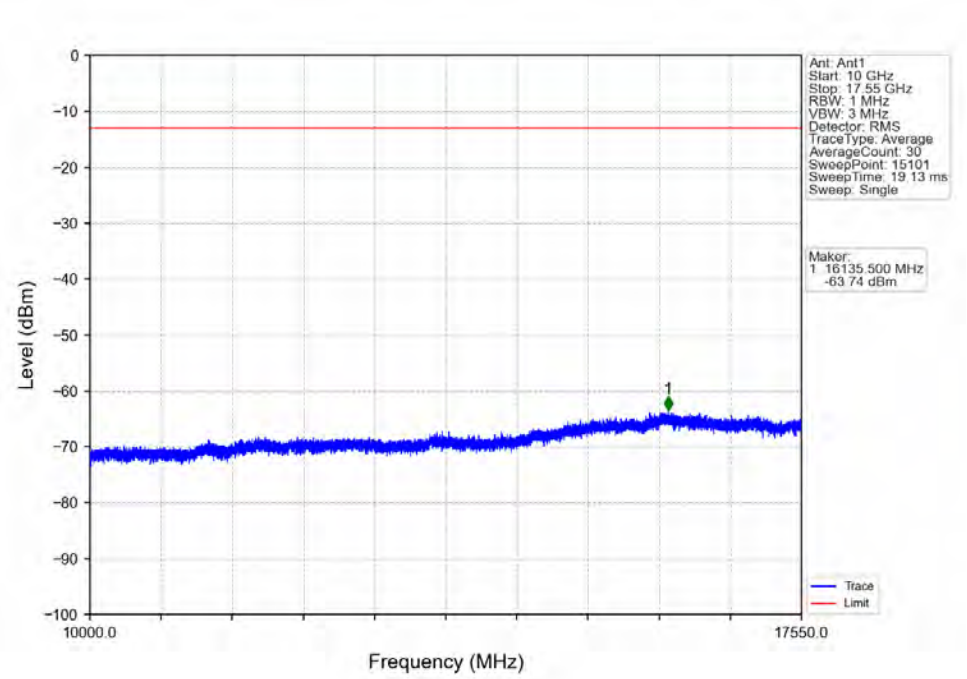


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-26.94	-13	Pass
1709	1710	0.051	/	2	1710.000	-34.62	-13	Pass
1710	1715	0.051	/	/	/	/	/	/

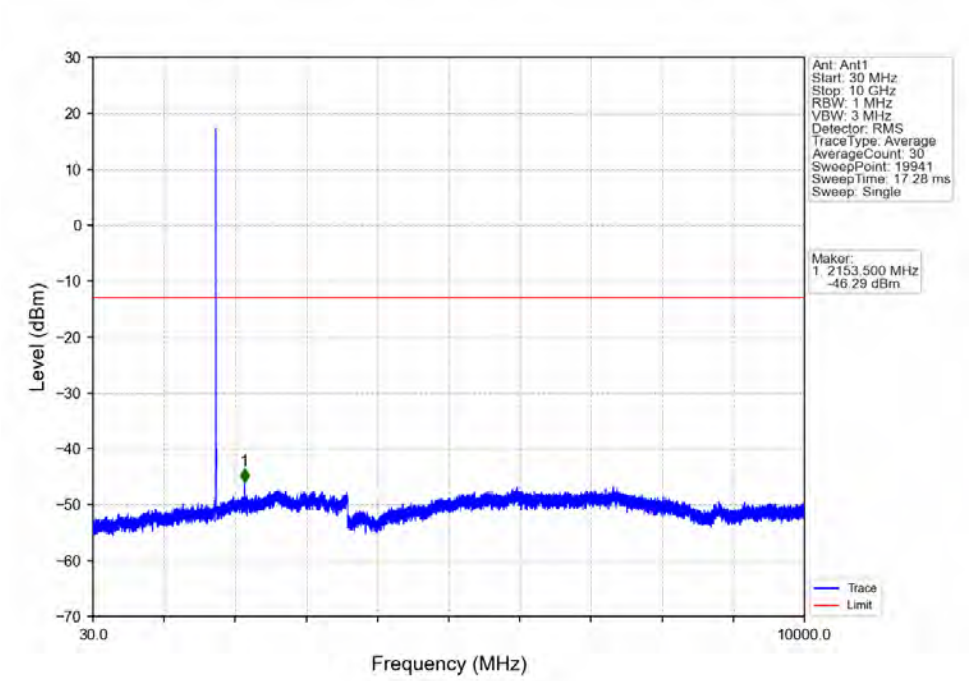
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



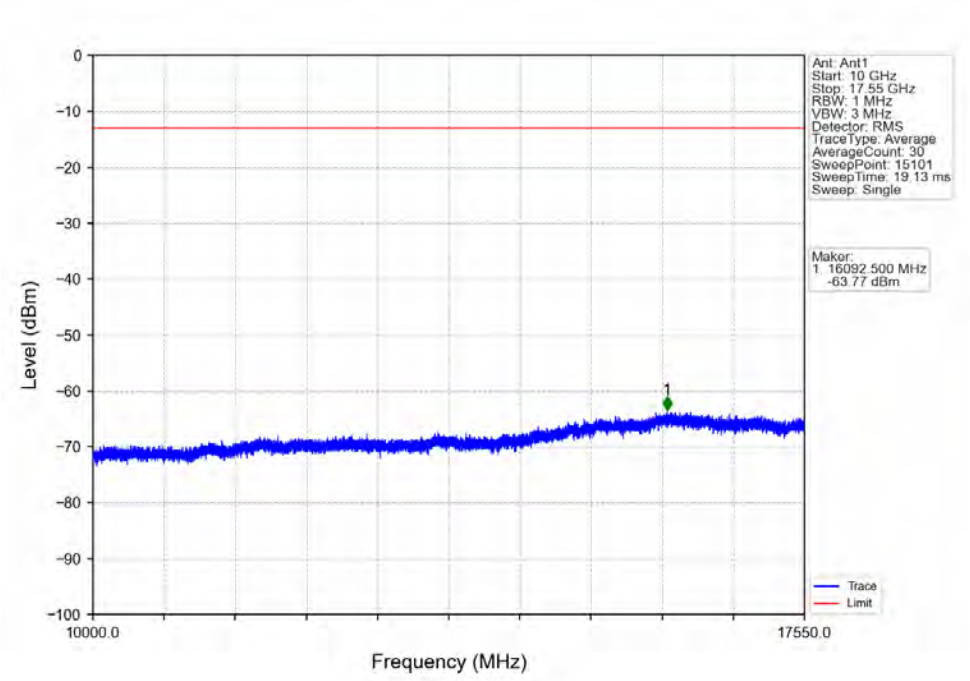
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



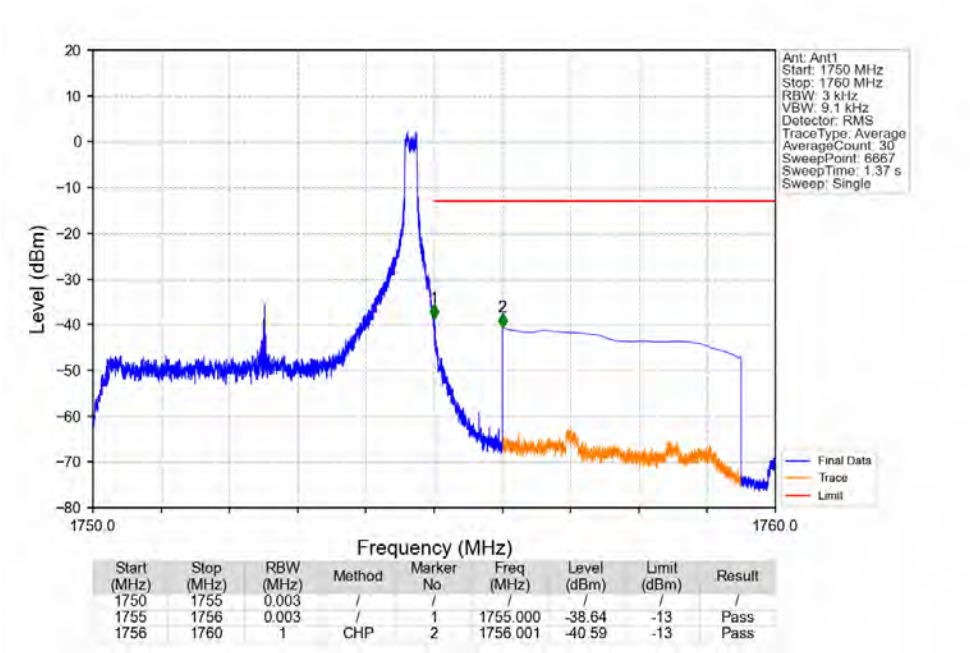
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

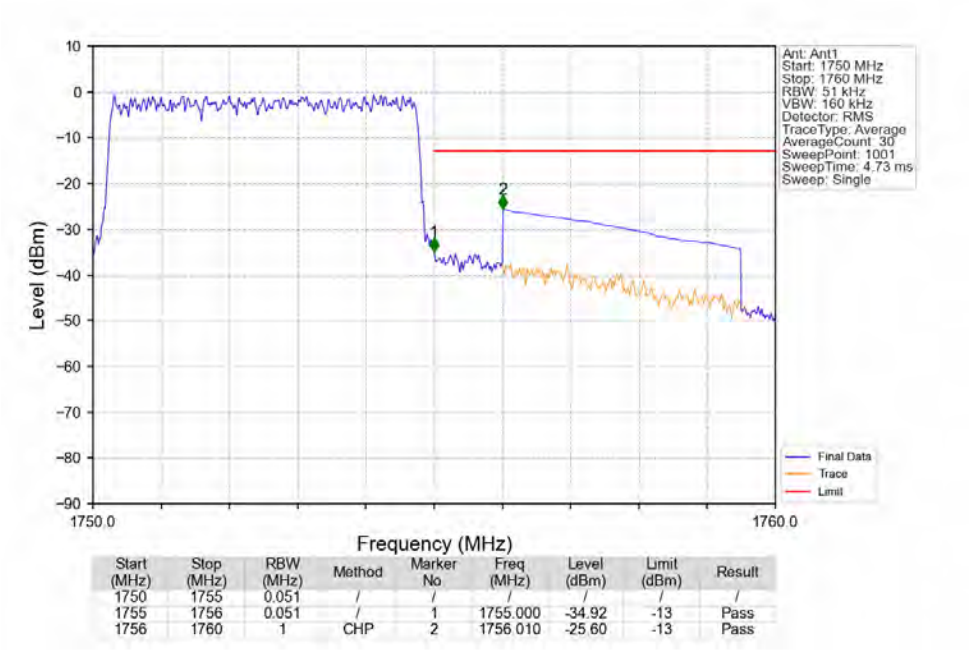


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



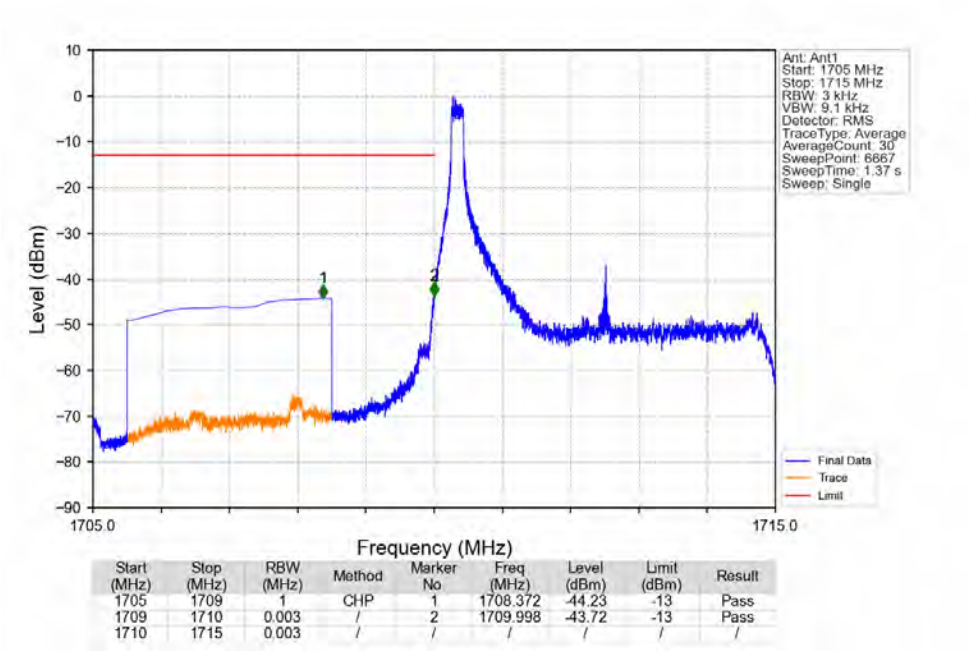
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-38.64	-13	Pass
1756	1760	1	CHP	2	1756.001	-40.59	-13	Pass

Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



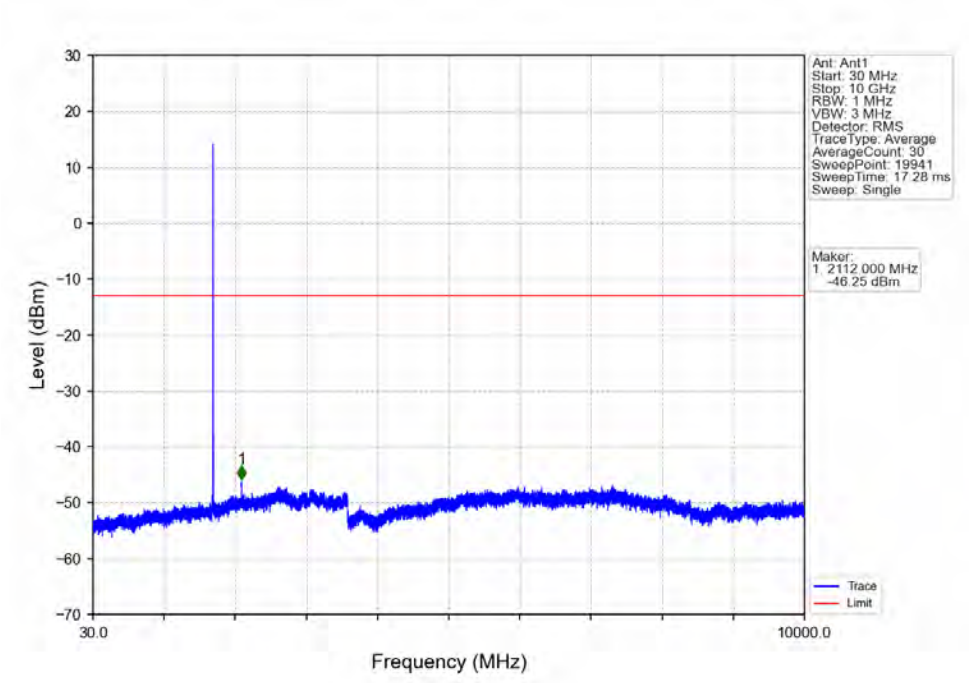
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.051	/	/	/	/	/	/
1755	1756	0.051	/	1	1755.000	-34.92	-13	Pass
1756	1760	1	CHP	2	1756.010	-25.60	-13	Pass

Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

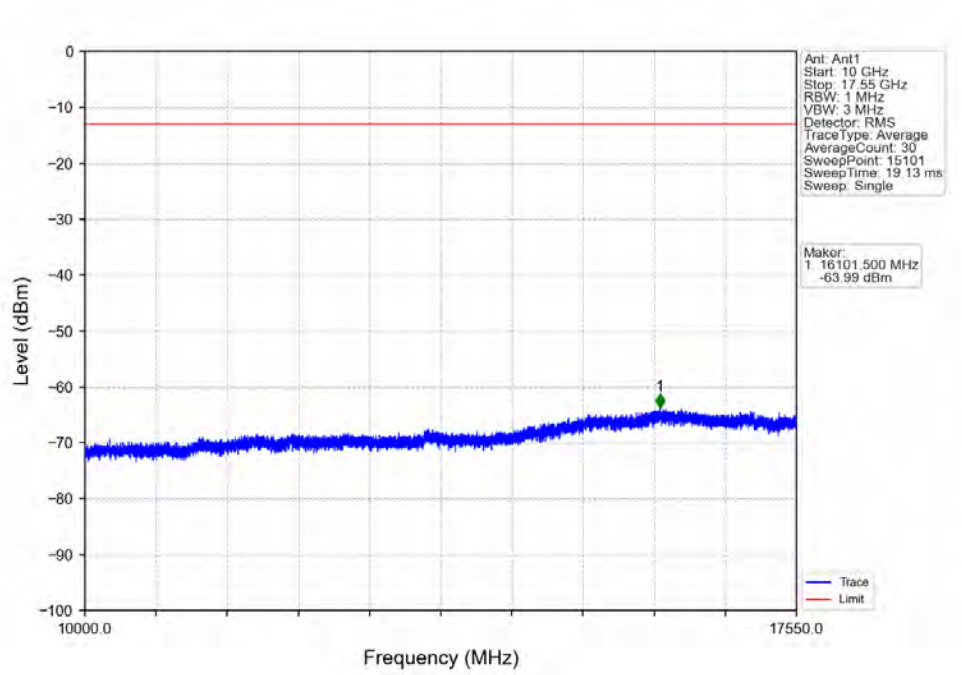


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.372	-44.23	-13	Pass
1709	1710	0.003	/	2	1709.998	-43.72	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

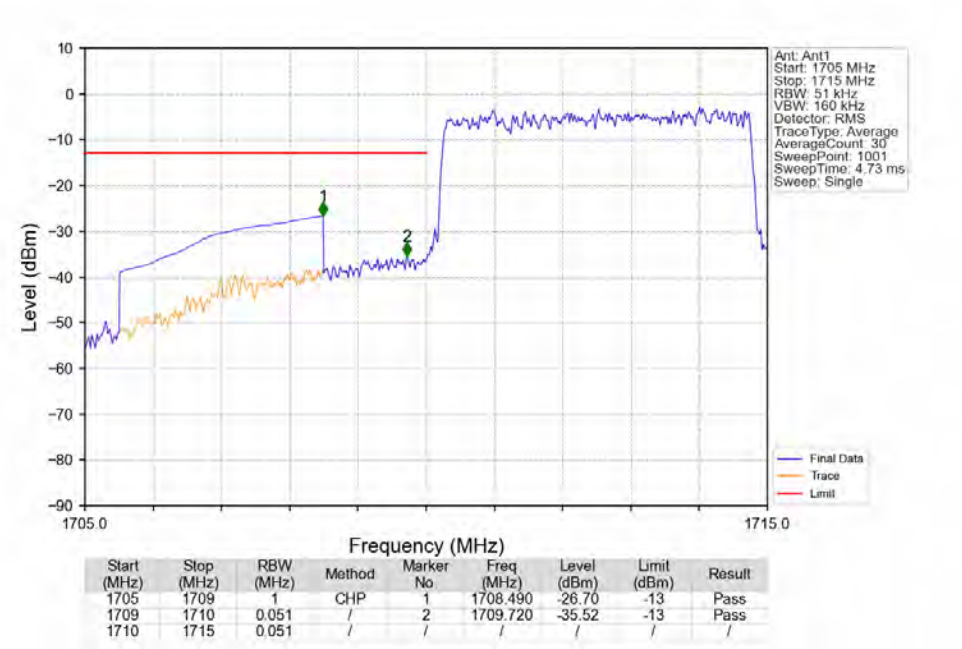
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

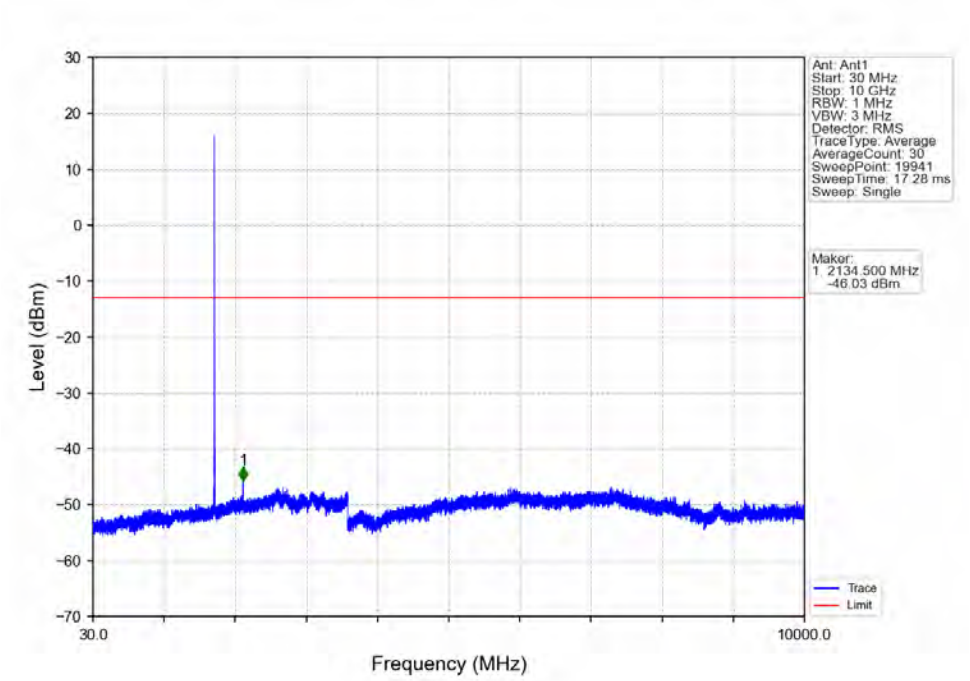


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

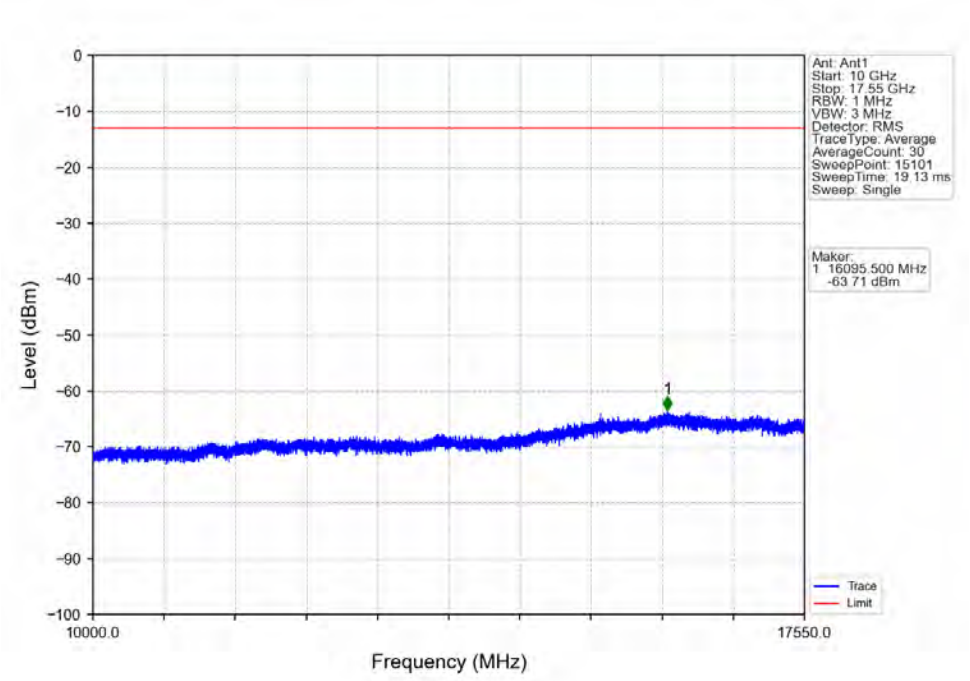


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-26.70	-13	Pass
1709	1710	0.051	/	2	1709.720	-35.52	-13	Pass
1710	1715	0.051	/	/	/	/	/	/

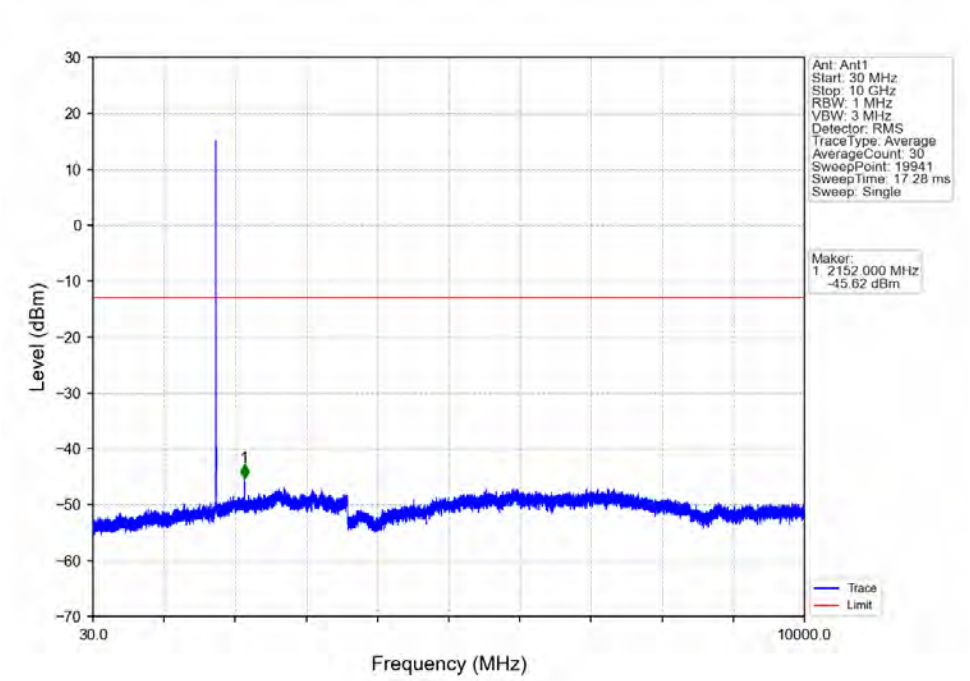
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



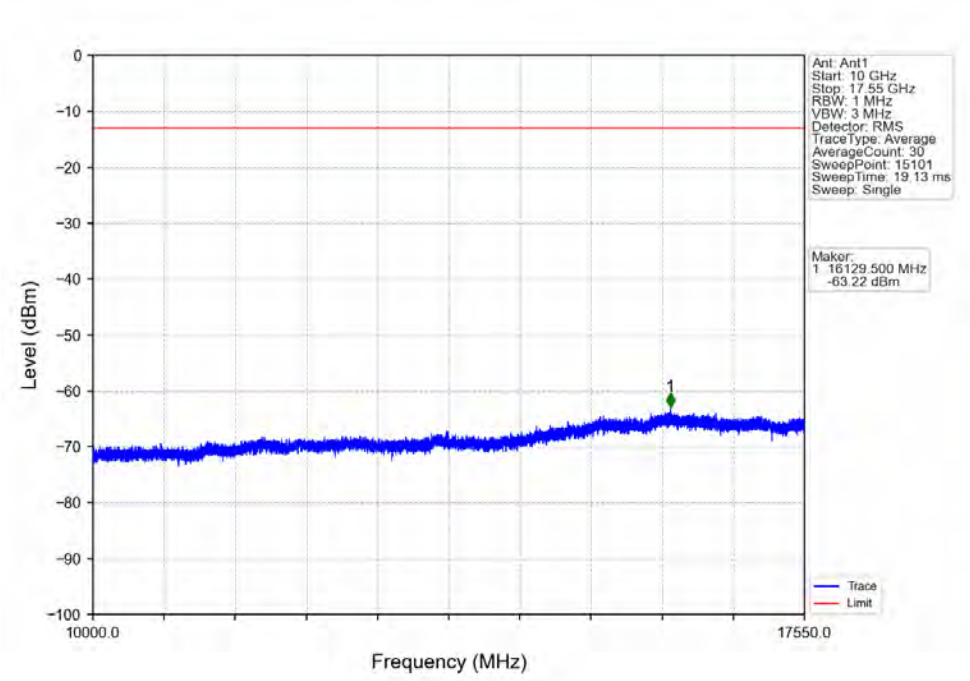
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



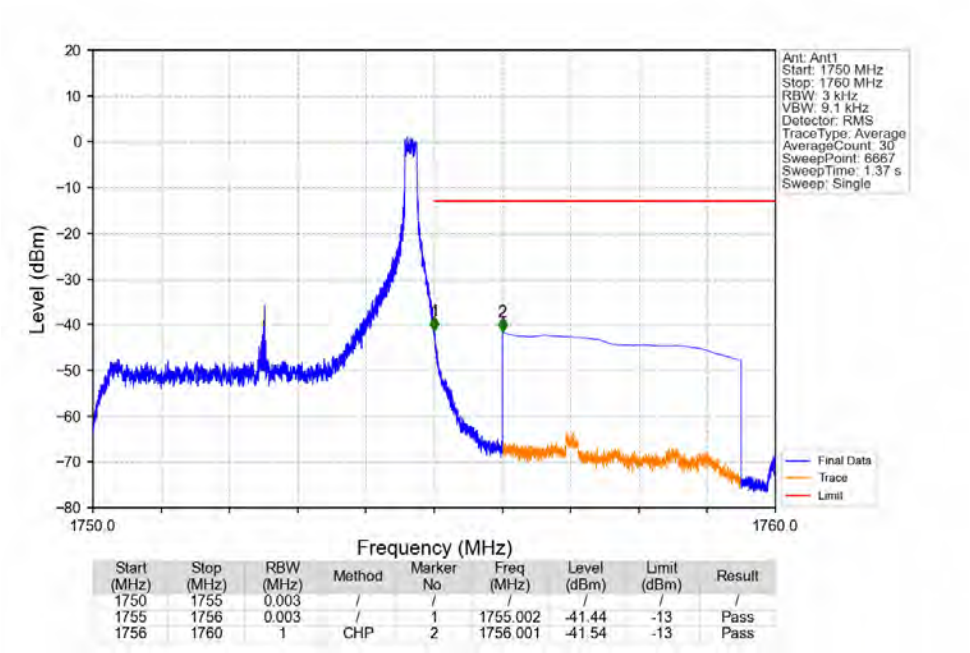
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV

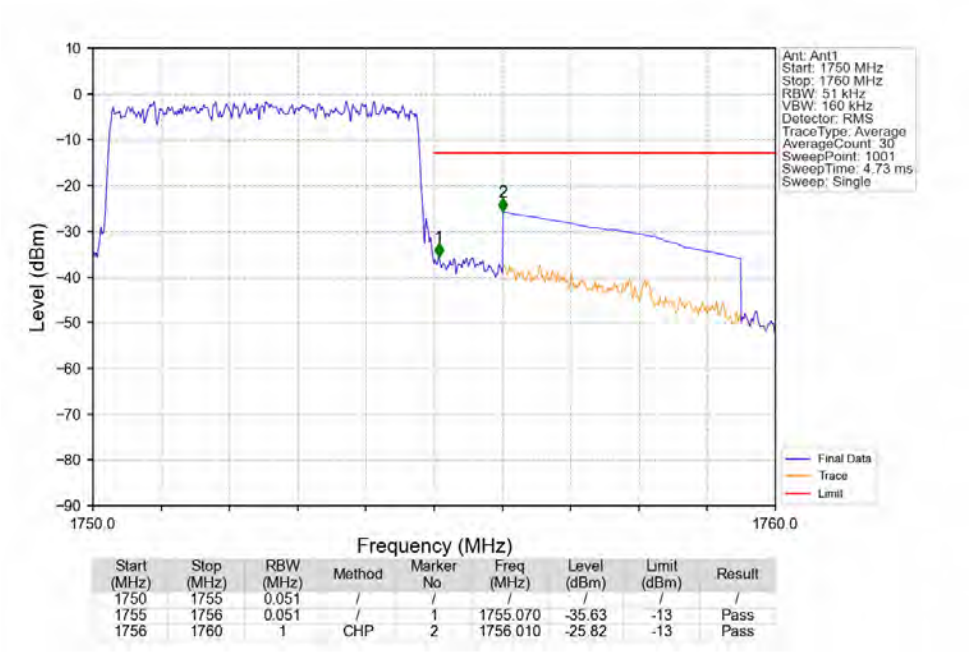


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-41.44	-13	Pass
1756	1760	1	CHP	2	1756.001	-41.54	-13	Pass

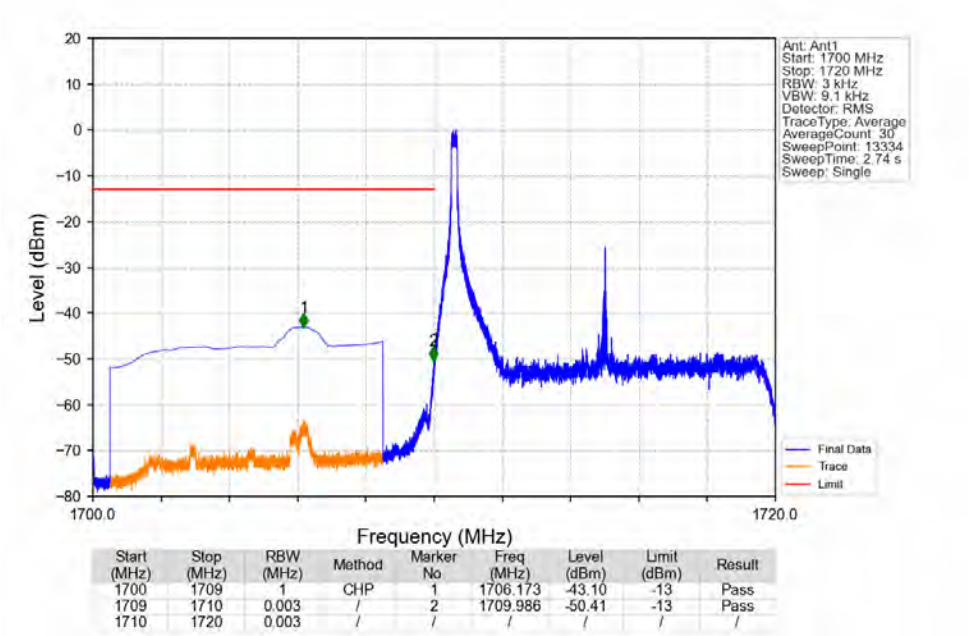
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.051	/	/	/	/	/	/
1755	1756	0.051	/	1	1755.070	-35.63	-13	Pass
1756	1760	1	CHP	2	1756.010	-25.82	-13	Pass

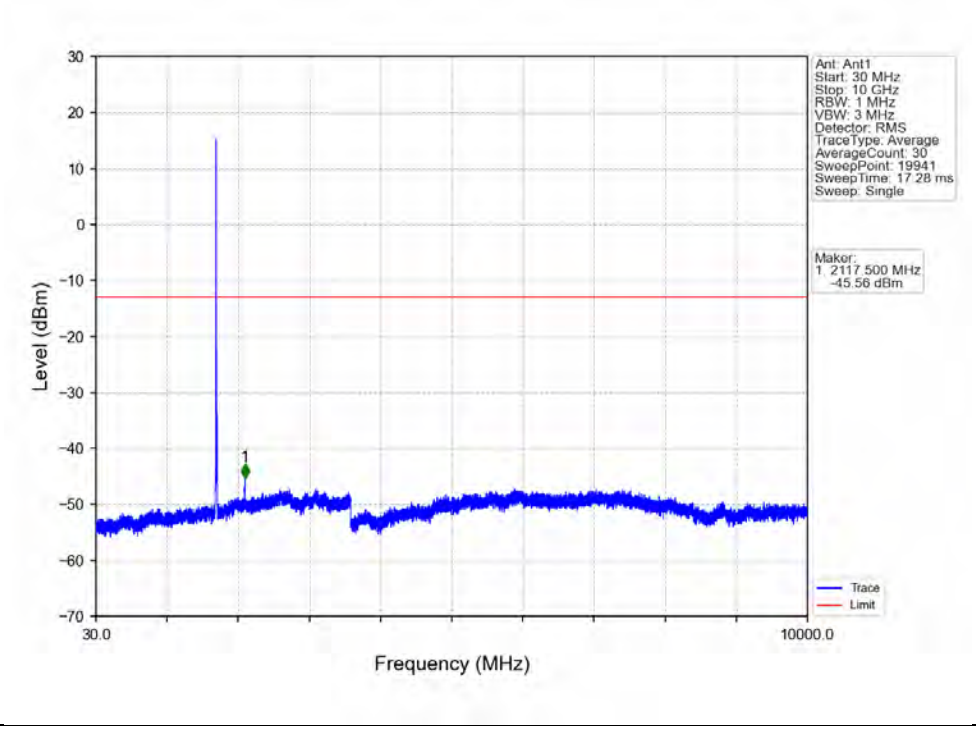
6.2.4 B4_10MHz

Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

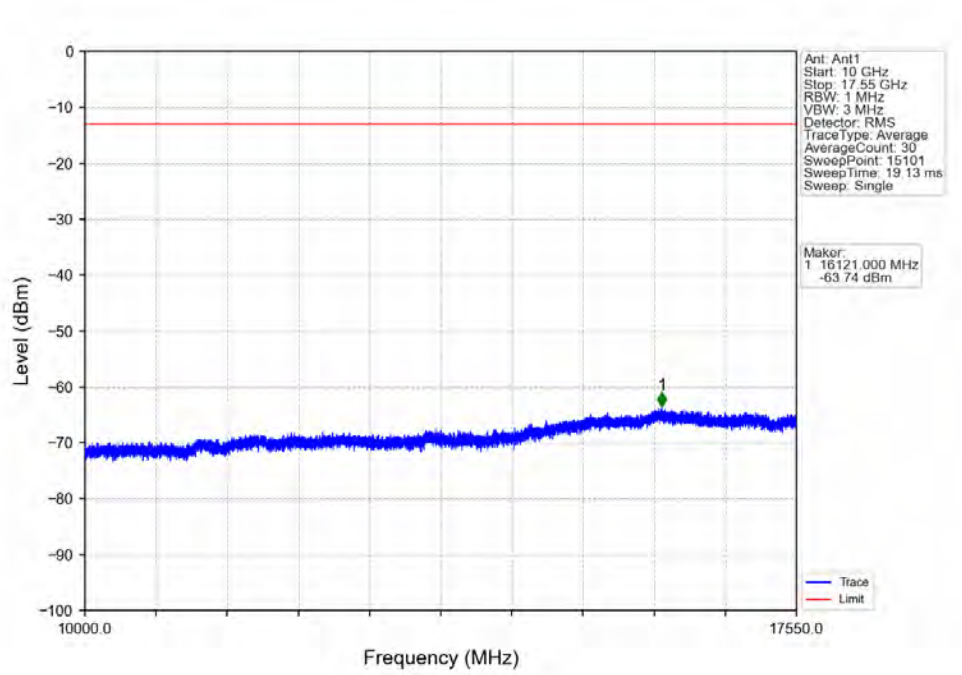


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1706.173	-43.10	-13	Pass
1709	1710	0.003	/	2	1709.986	-50.41	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

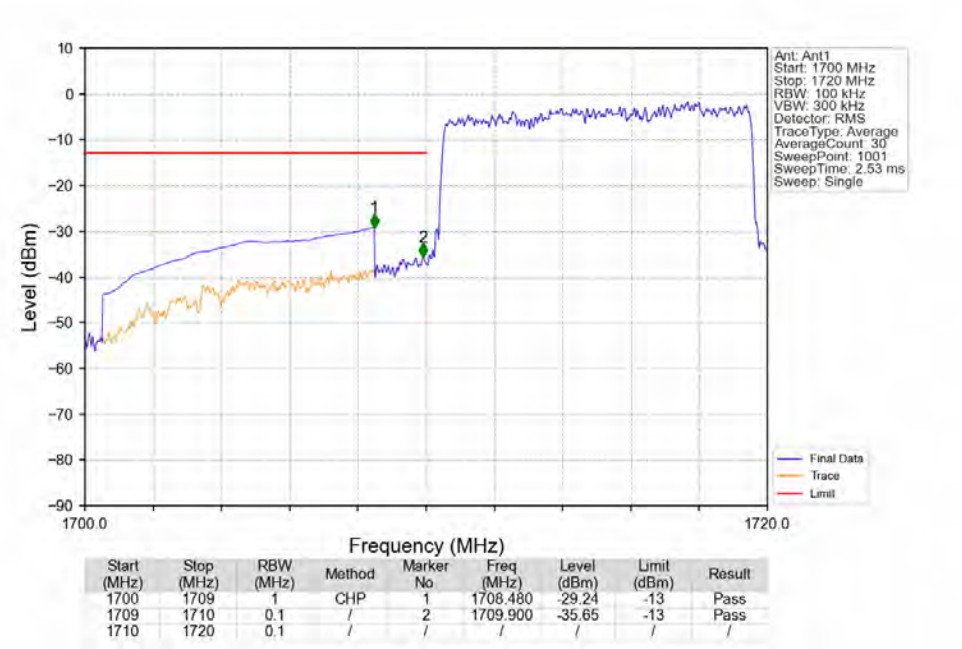
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

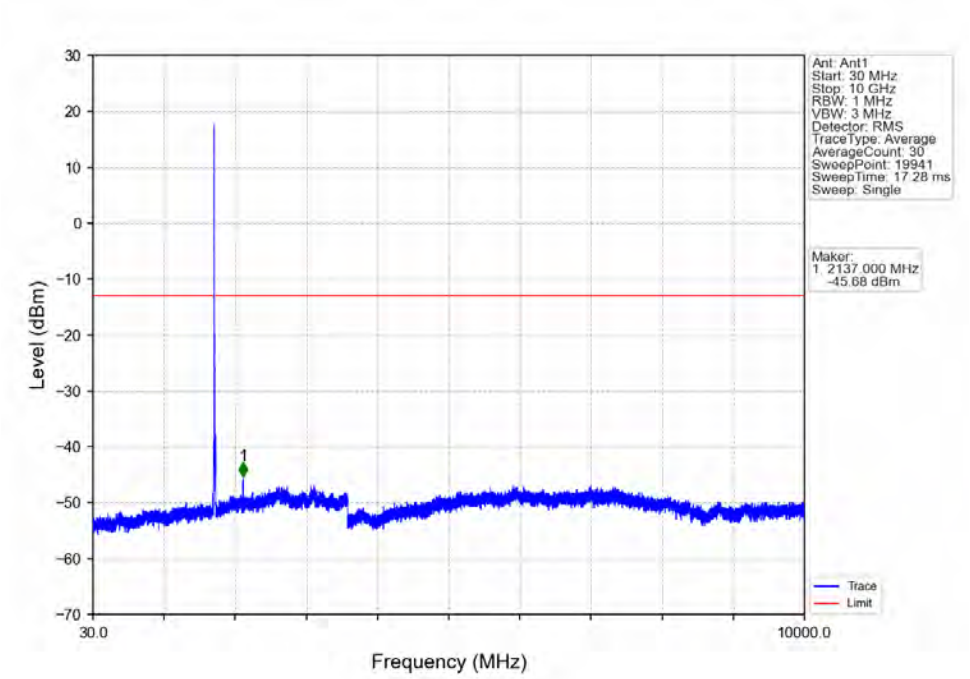


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

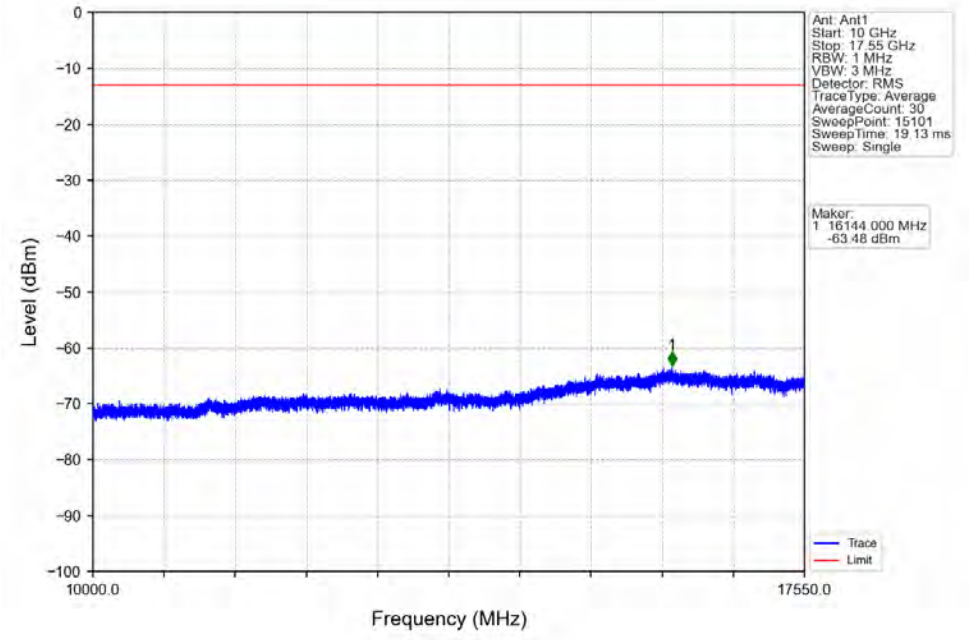


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-29.24	-13	Pass
1709	1710	0.1	/	2	1709.900	-35.65	-13	Pass
1710	1720	0.1	/	/	/	/	/	/

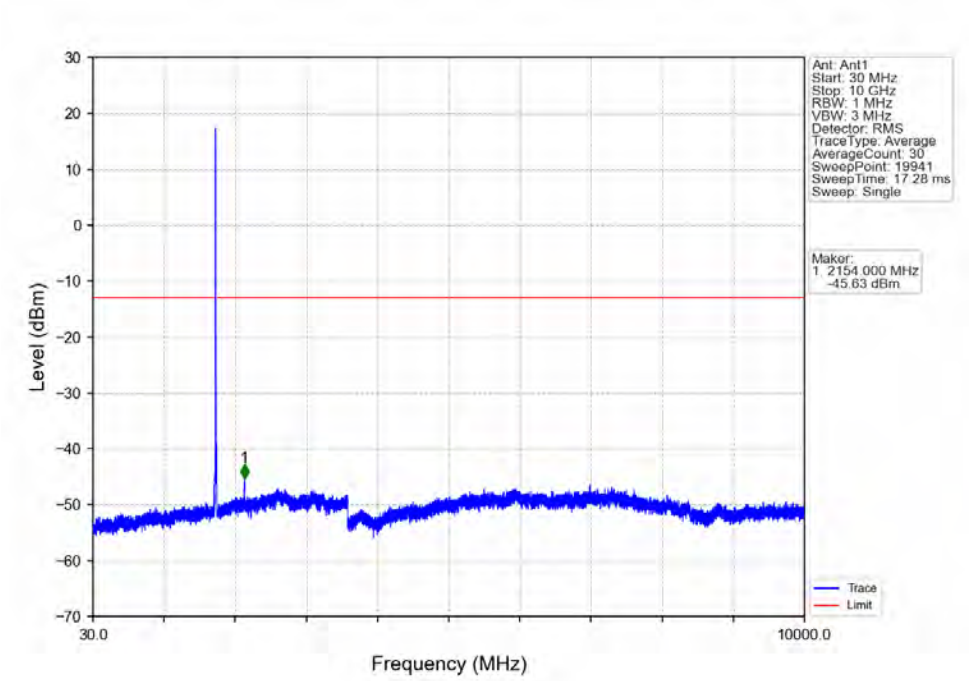
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



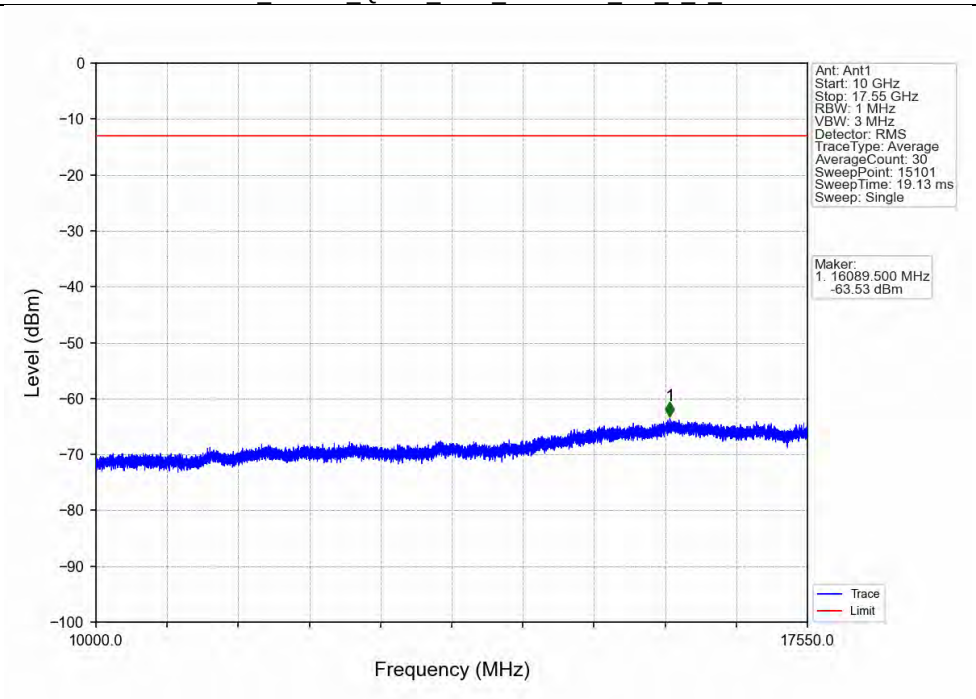
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



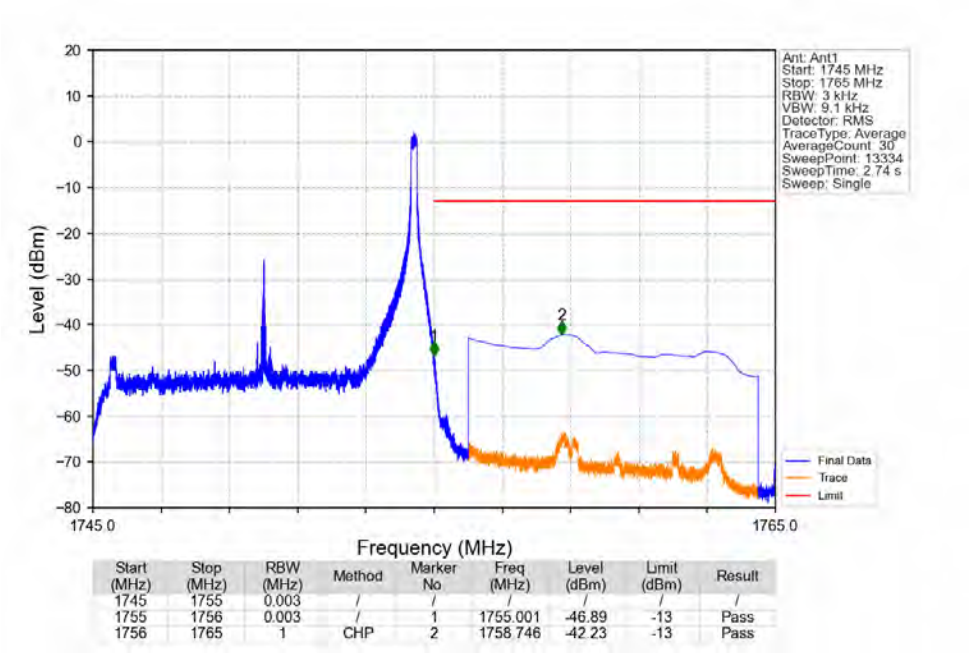
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV

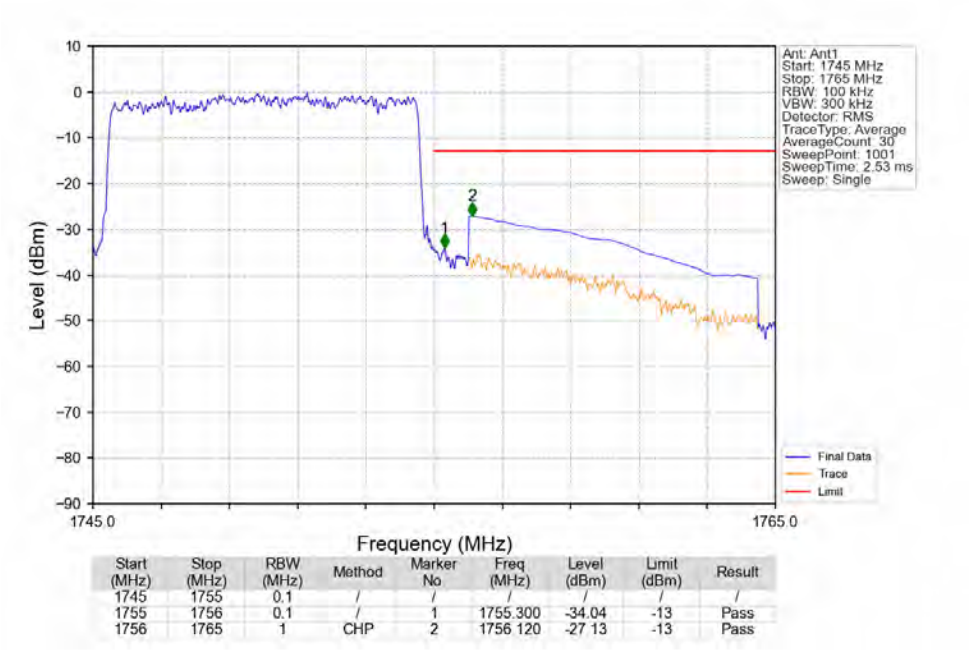


Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



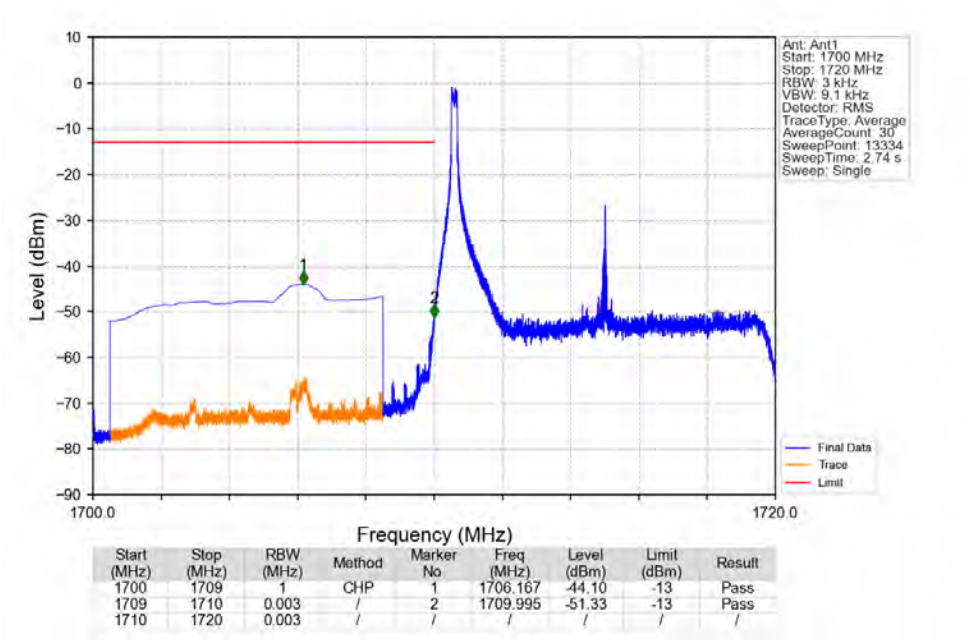
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.001	-46.89	-13	Pass
1756	1765	1	CHP	2	1758.746	-42.23	-13	Pass

Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



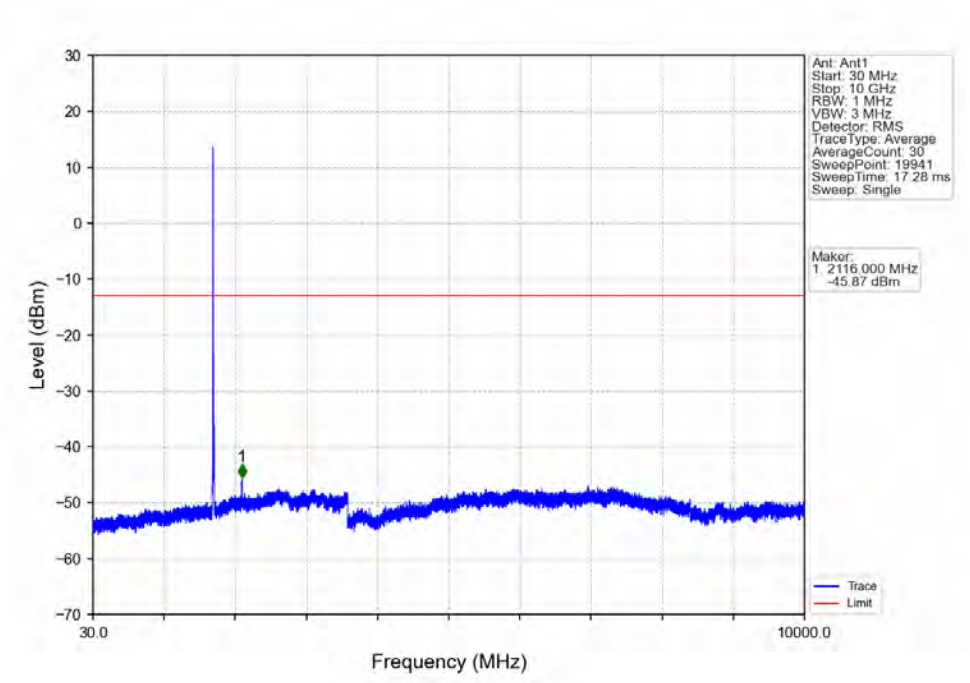
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.1	/	/	/	/	/	/
1755	1756	0.1	/	1	1755.300	-34.04	-13	Pass
1756	1765	1	CHP	2	1756.120	-27.13	-13	Pass

Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

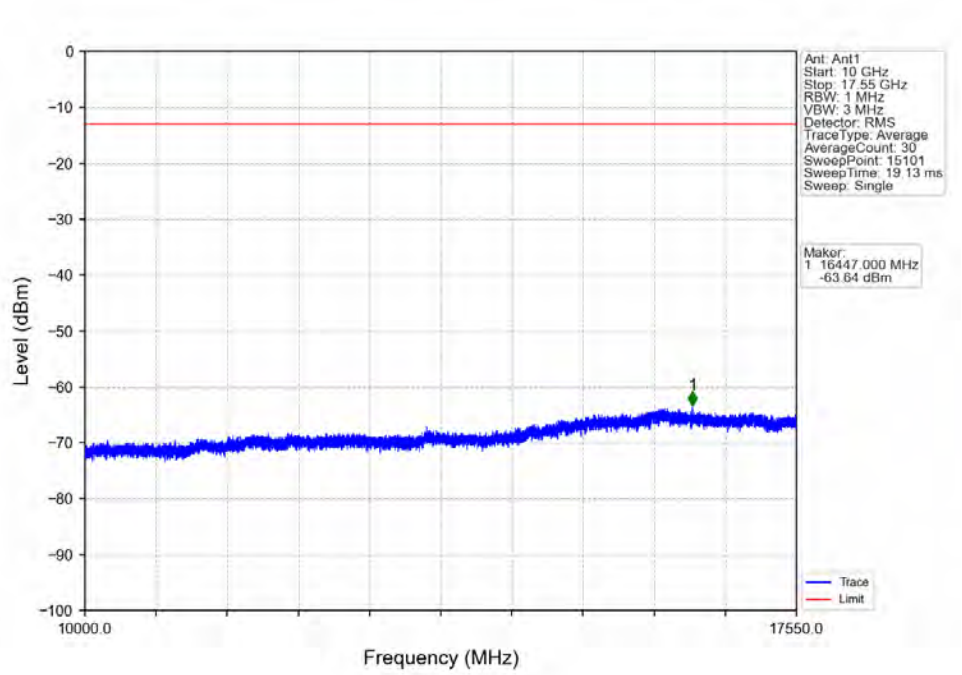


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1706.167	-44.10	-13	Pass
1709	1710	0.003	/	2	1709.995	-51.33	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

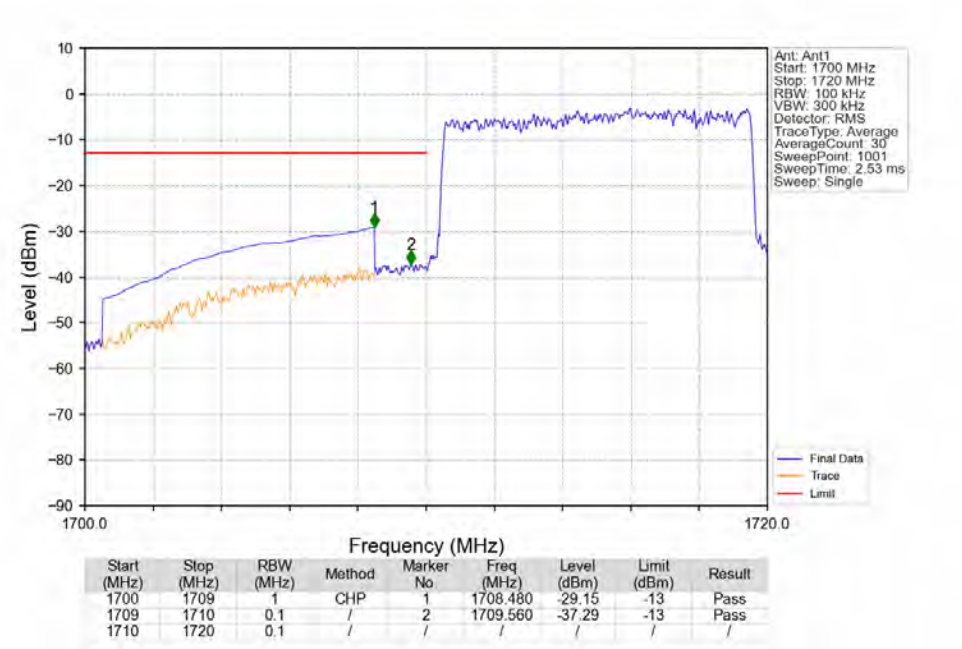
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

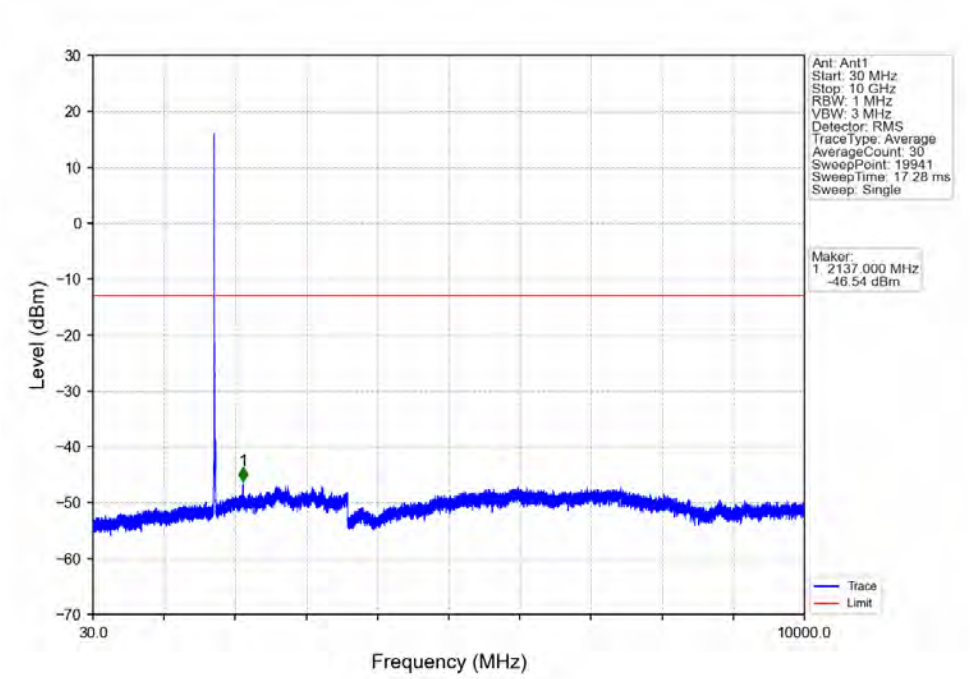


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

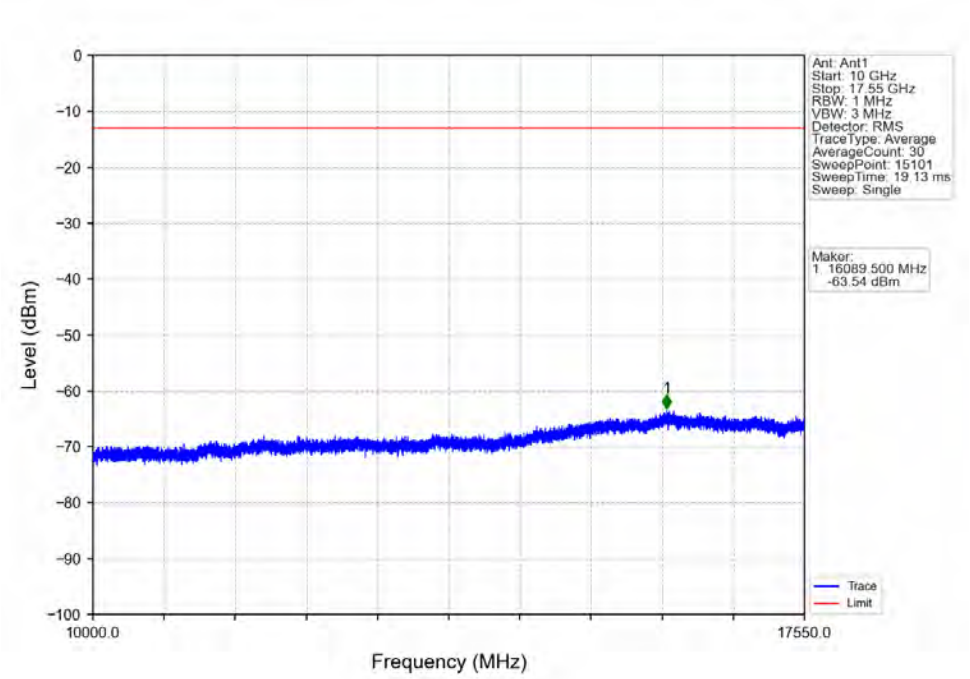


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-29.15	-13	Pass
1709	1710	0.1	/	2	1709.560	-37.29	-13	Pass
1710	1720	0.1	/	/	/	/	/	/

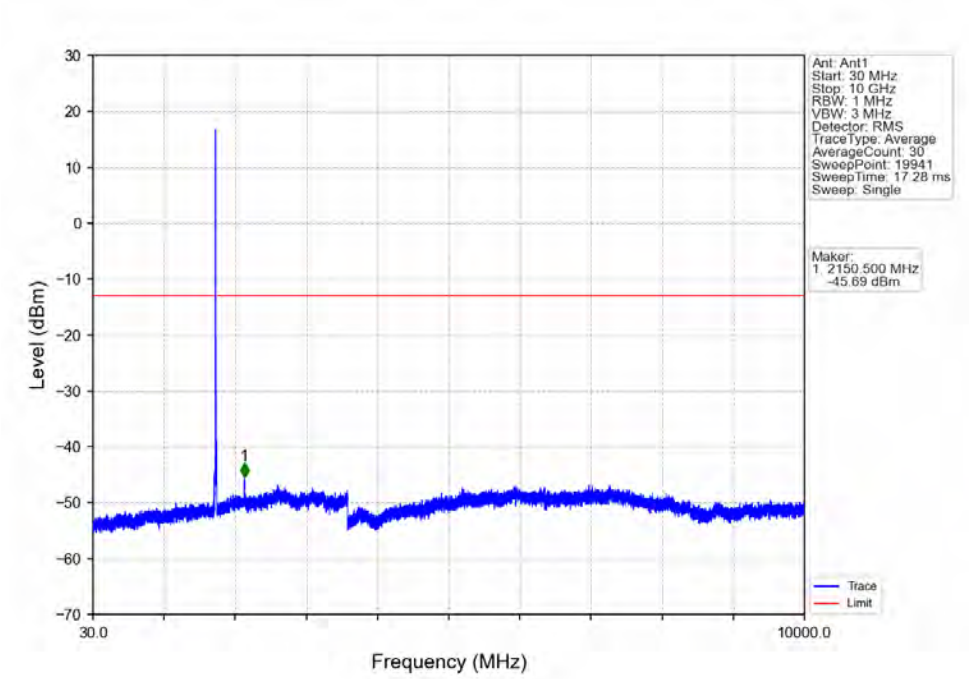
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



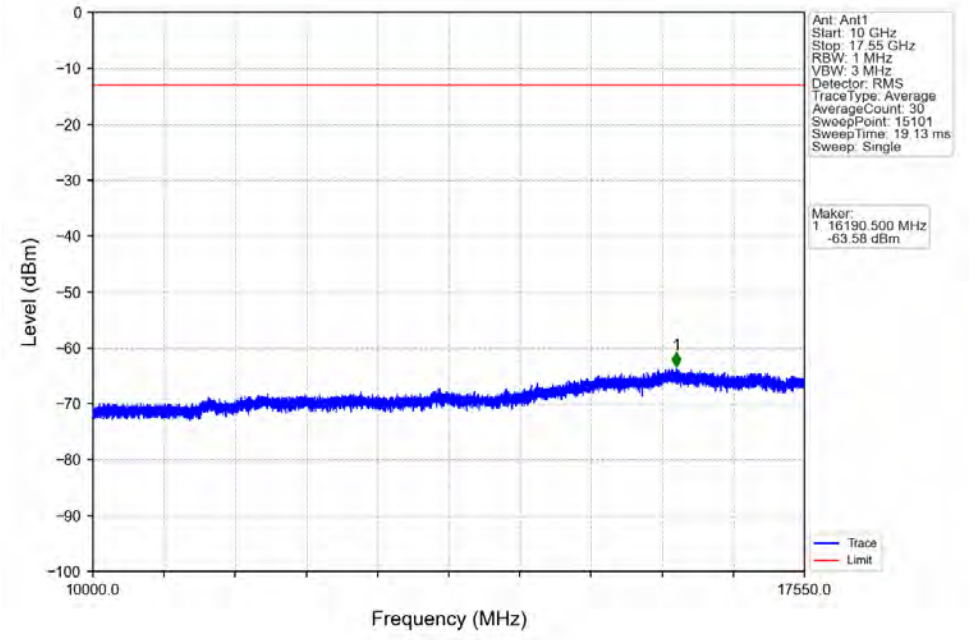
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



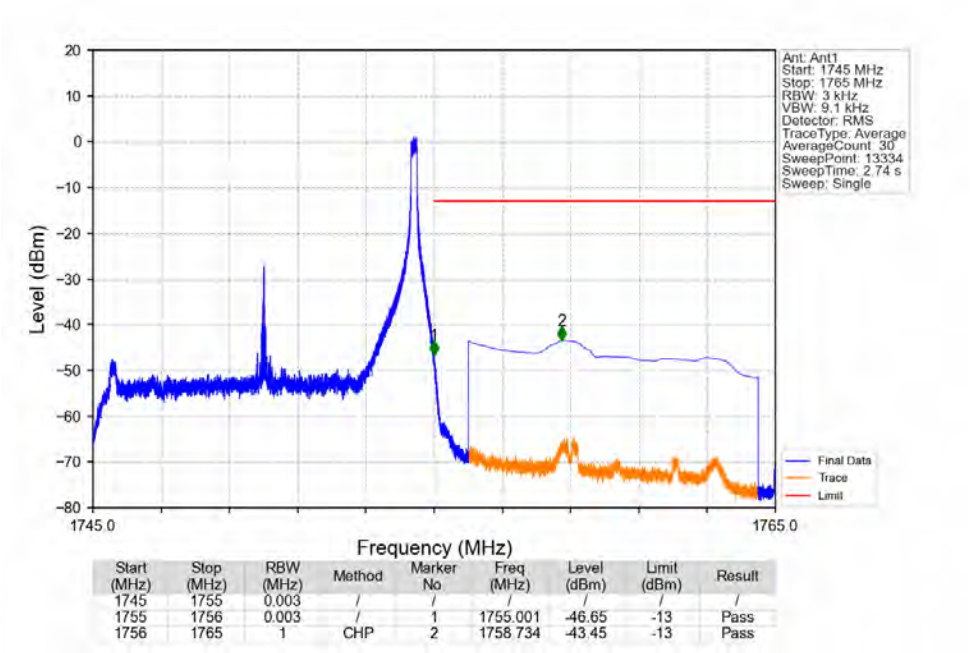
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV

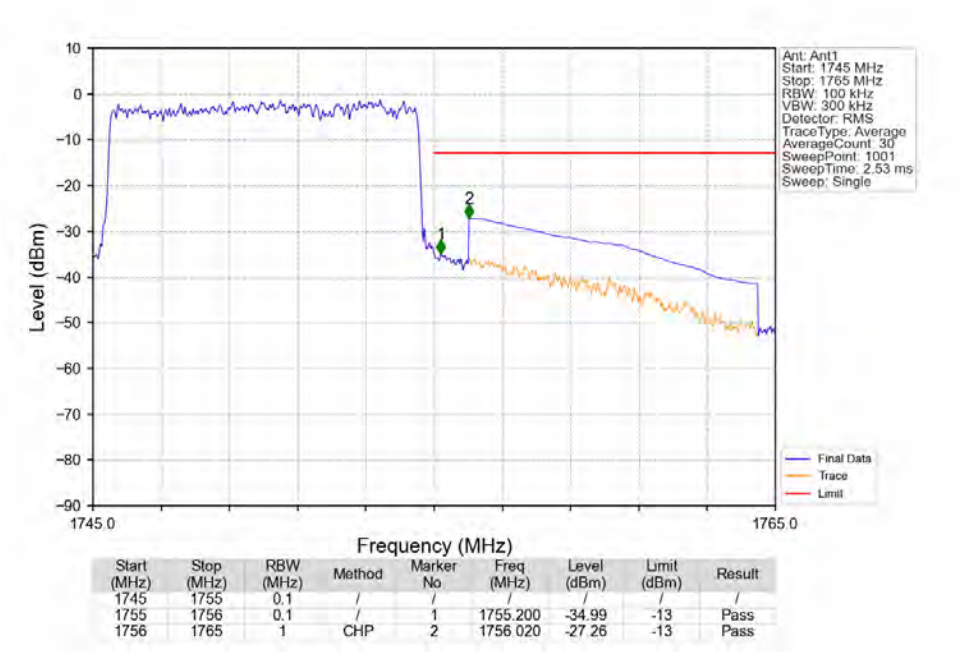


Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



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	1755.001	-46.65	-13	Pass
1756	1765	1	CHP	2	1758.734	-43.45	-13	Pass

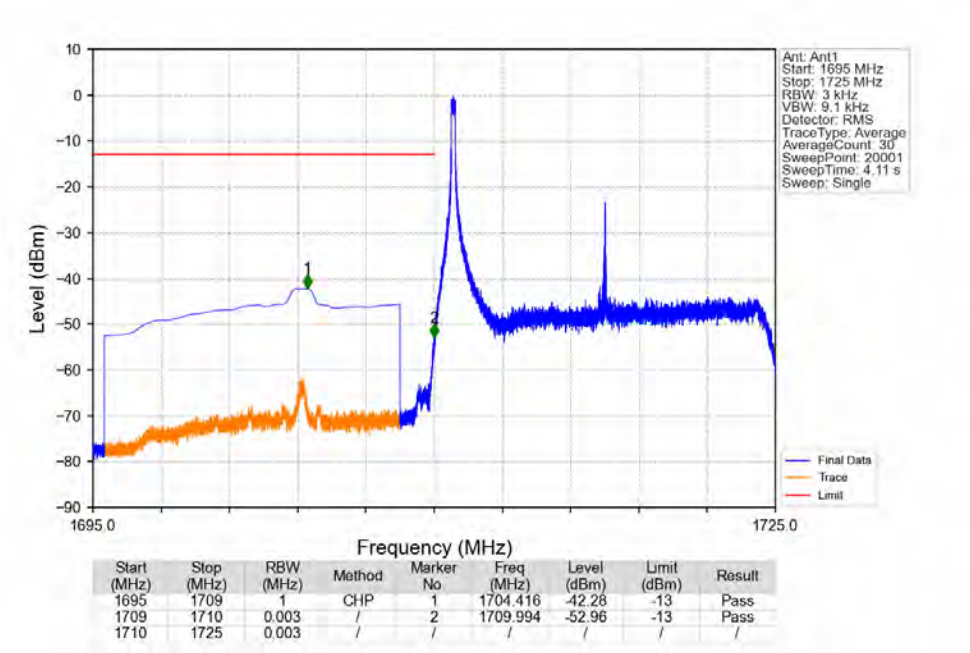
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.1	/	/	/	/	/	/
1755	1756	0.1	/	1	1755.200	-34.99	-13	Pass
1756	1765	1	CHP	2	1756.020	-27.26	-13	Pass

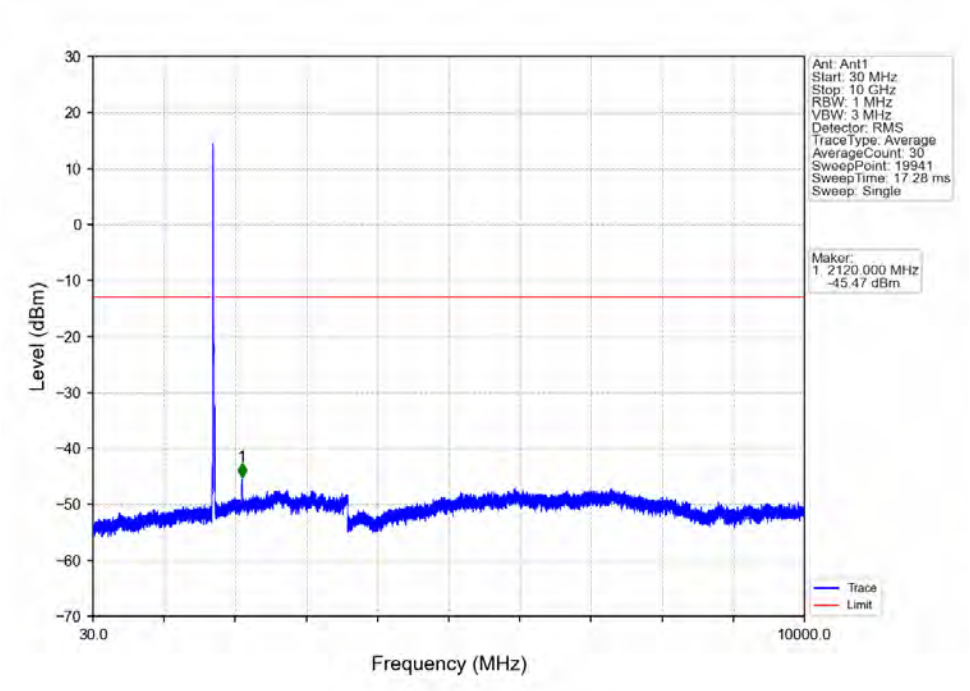
6.2.5 B4_15MHz

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

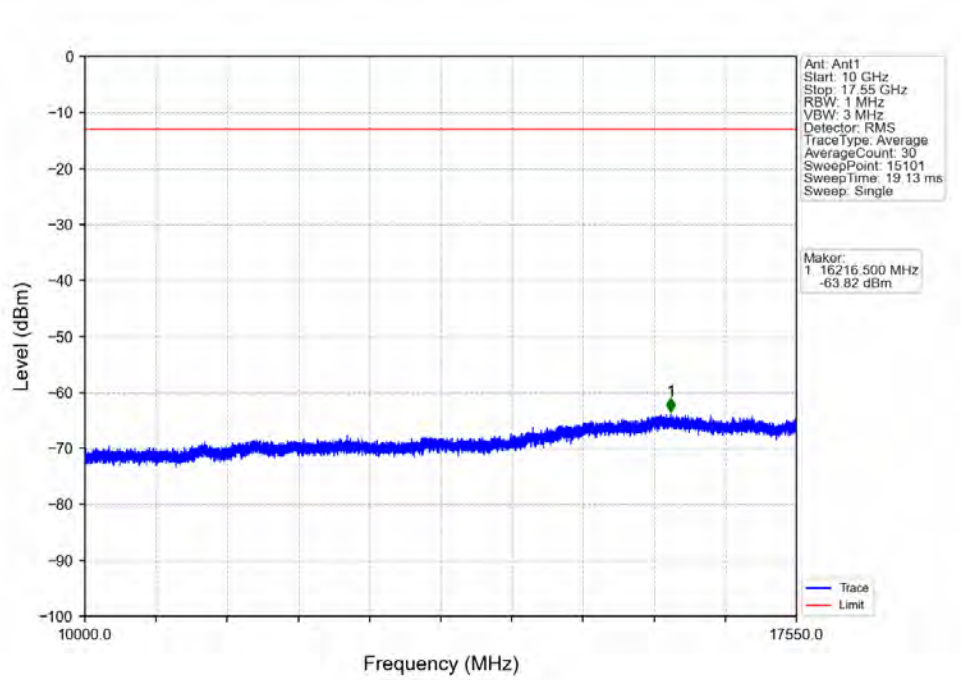


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1704.416	-42.28	-13	Pass
1709	1710	0.003	/	2	1709.994	-52.96	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

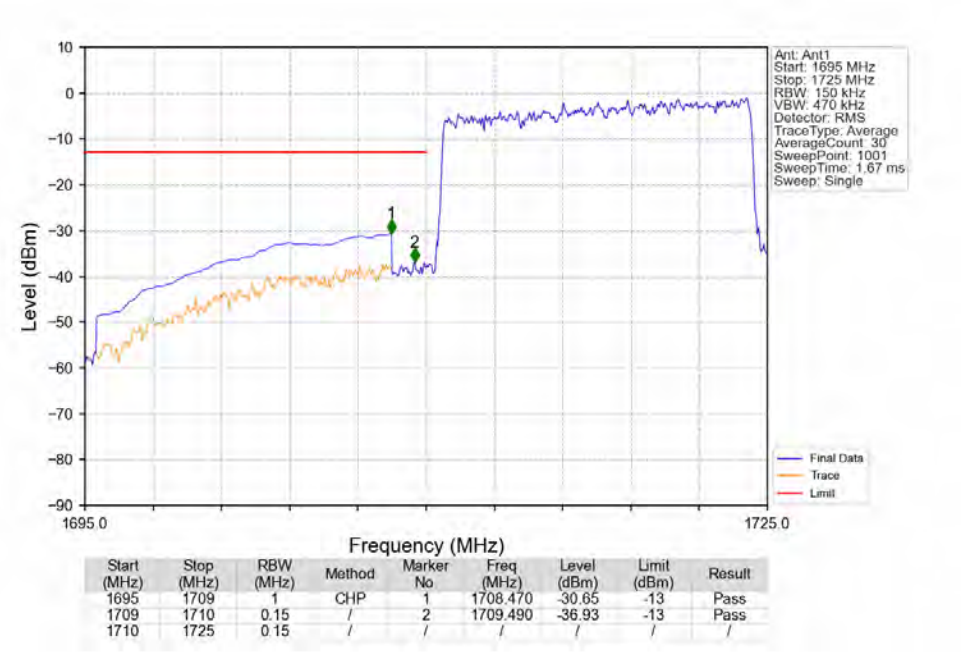
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

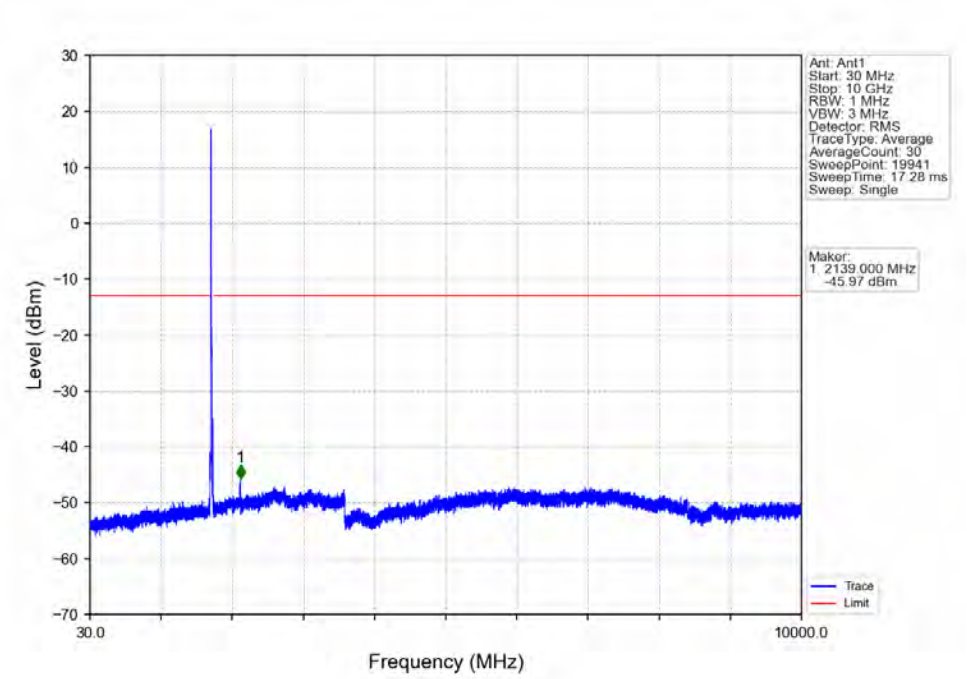


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

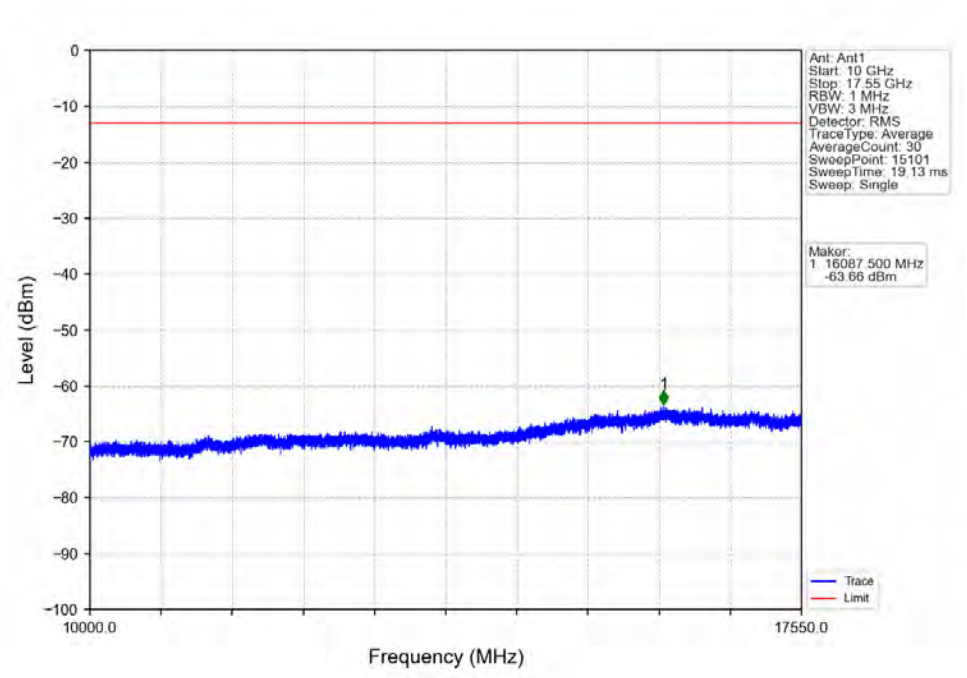


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.470	-30.65	-13	Pass
1709	1710	0.15	/	2	1709.490	-36.93	-13	Pass
1710	1725	0.15	/	/	/	/	/	/

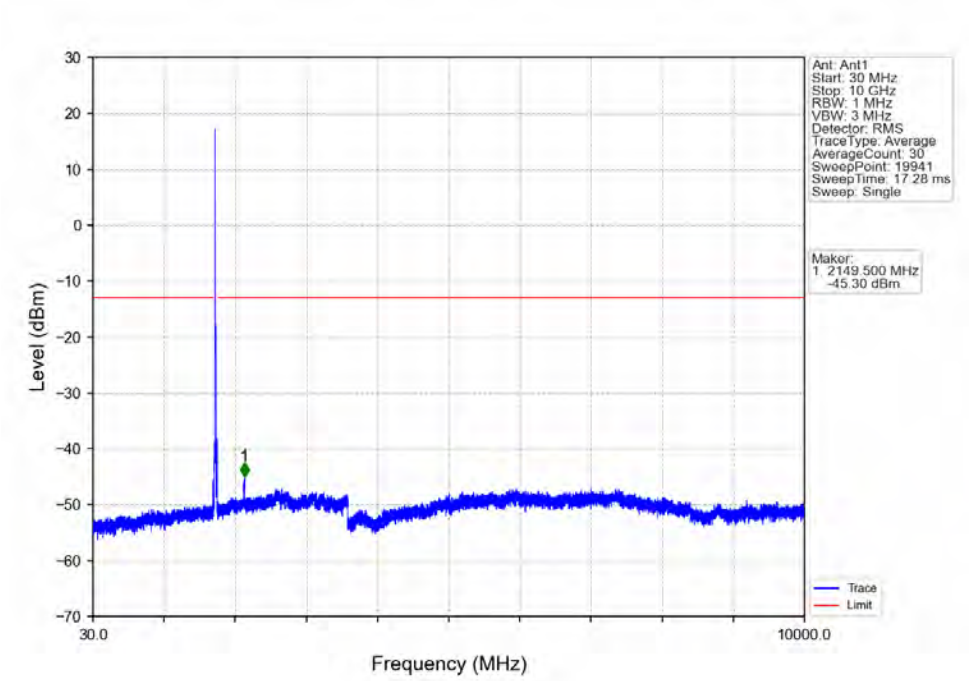
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



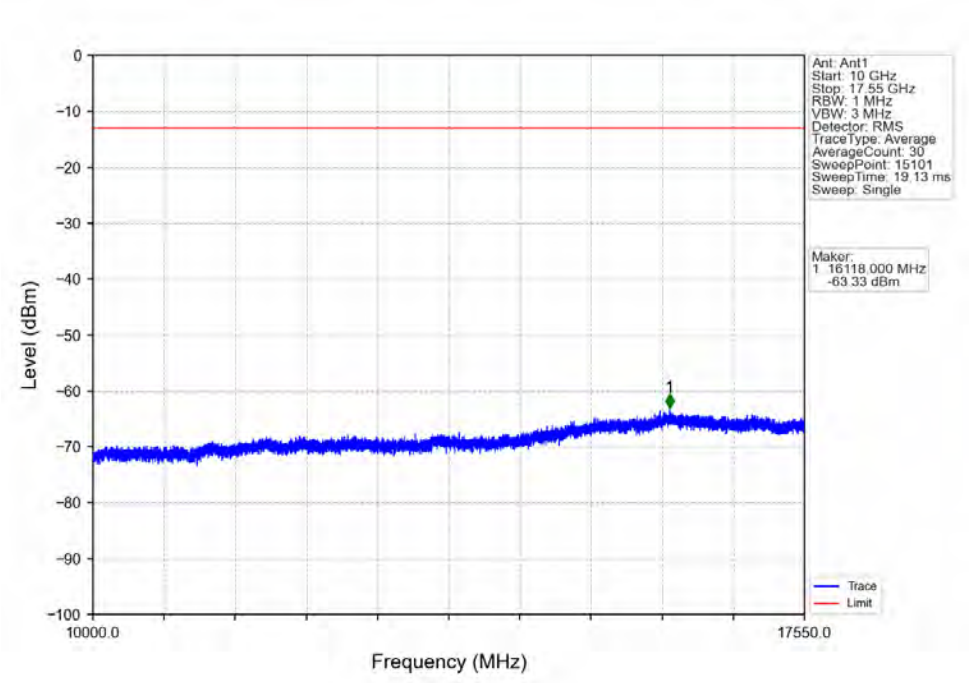
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



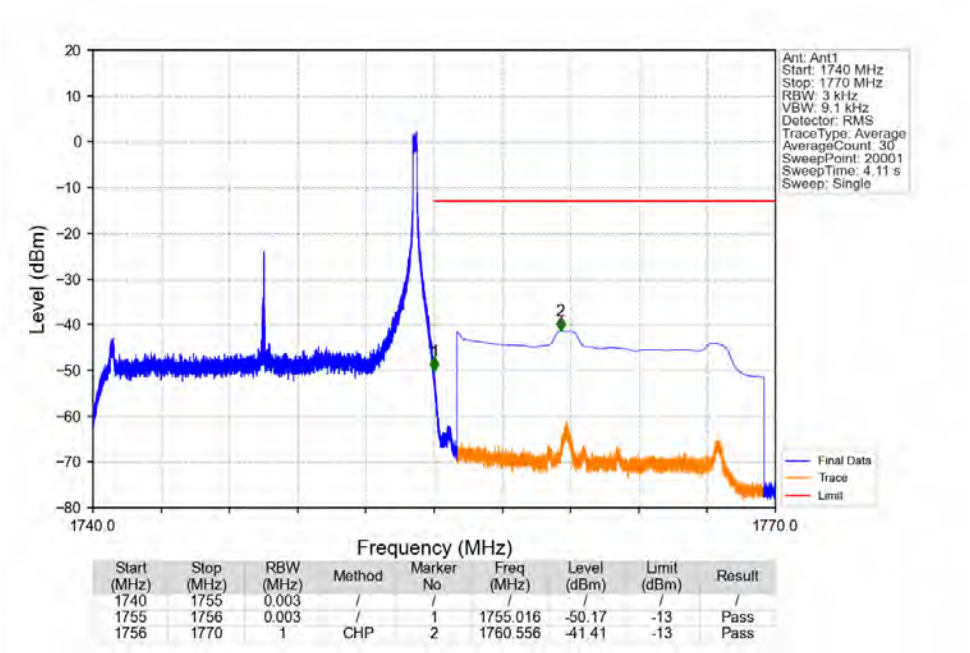
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV

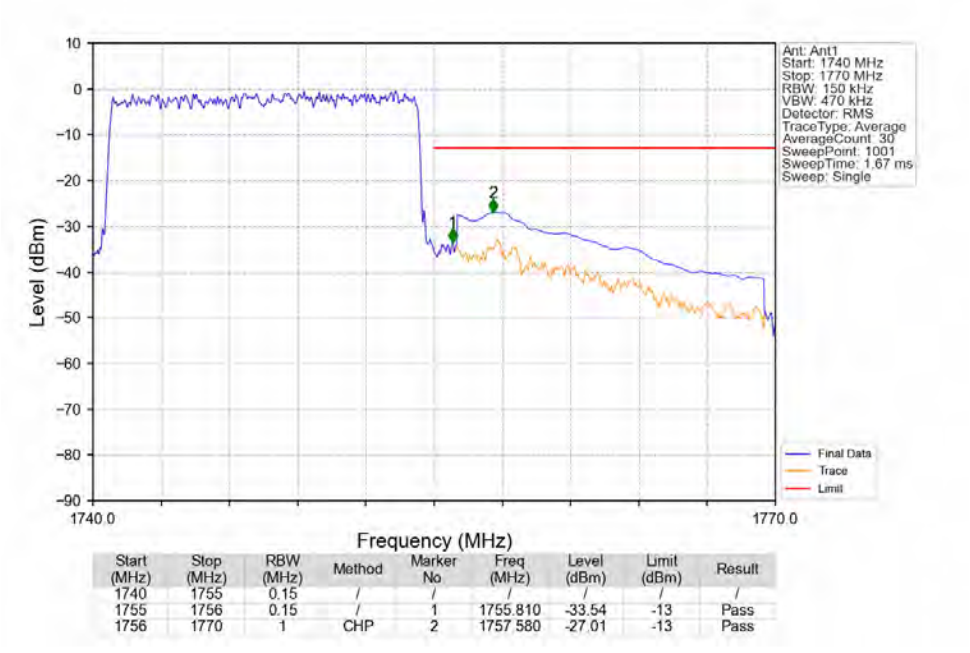


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



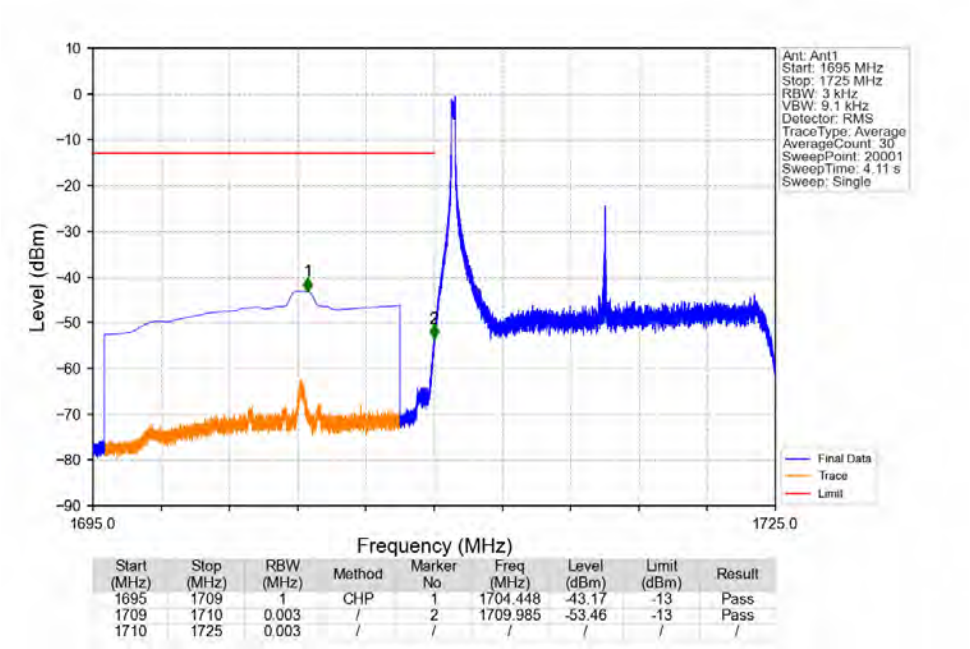
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.016	-50.17	-13	Pass
1756	1770	1	CHP	2	1760.556	-41.41	-13	Pass

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



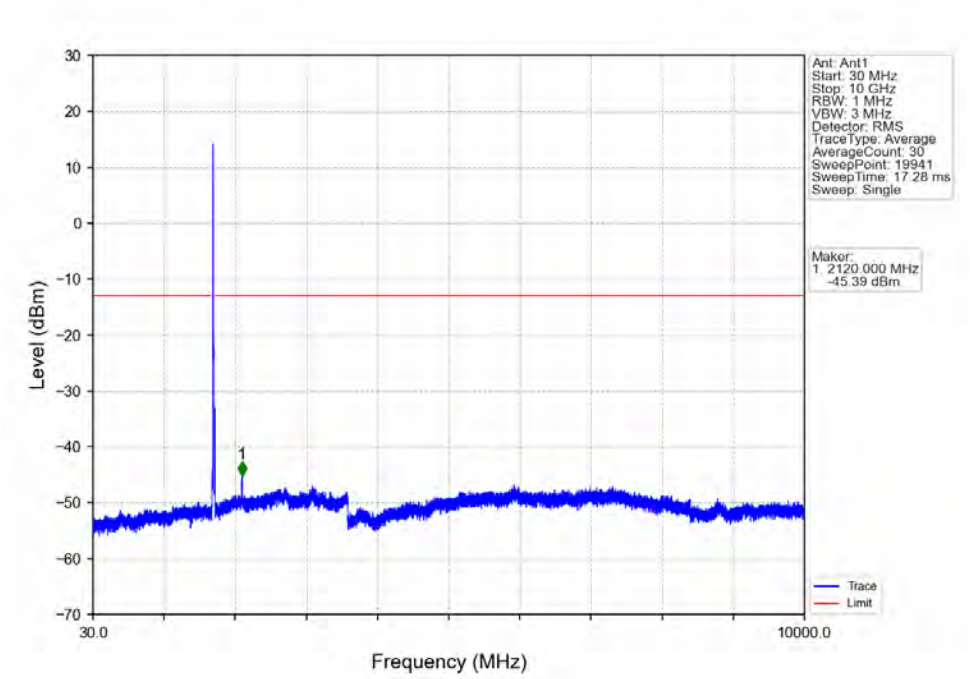
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.15	/	/	/	/	/	/
1755	1756	0.15	/	1	1755.810	-33.54	-13	Pass
1756	1770	1	CHP	2	1757.580	-27.01	-13	Pass

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

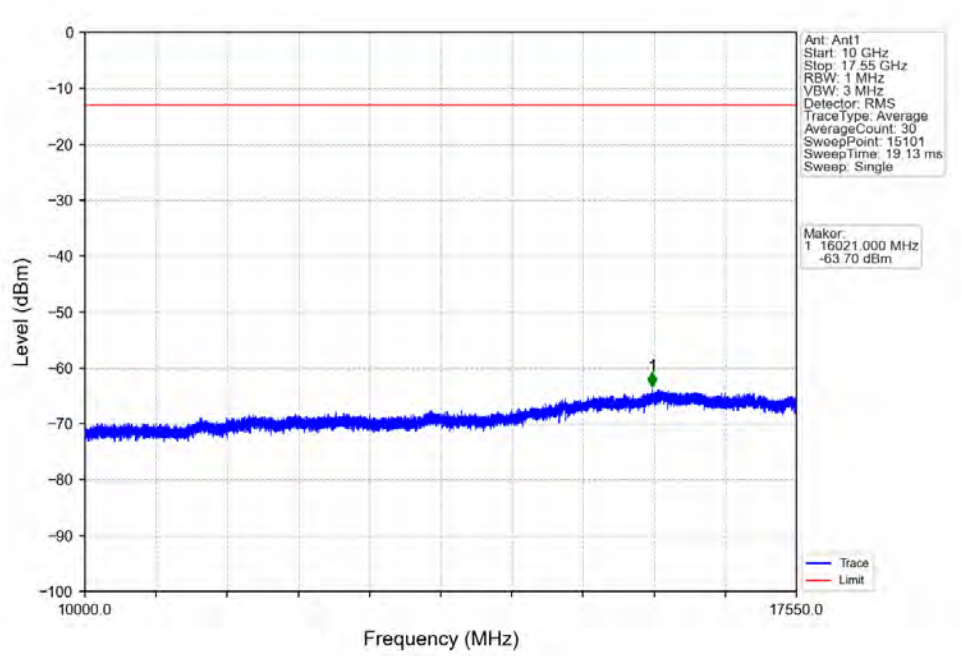


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1704.448	-43.17	-13	Pass
1709	1710	0.003	/	2	1709.985	-53.46	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

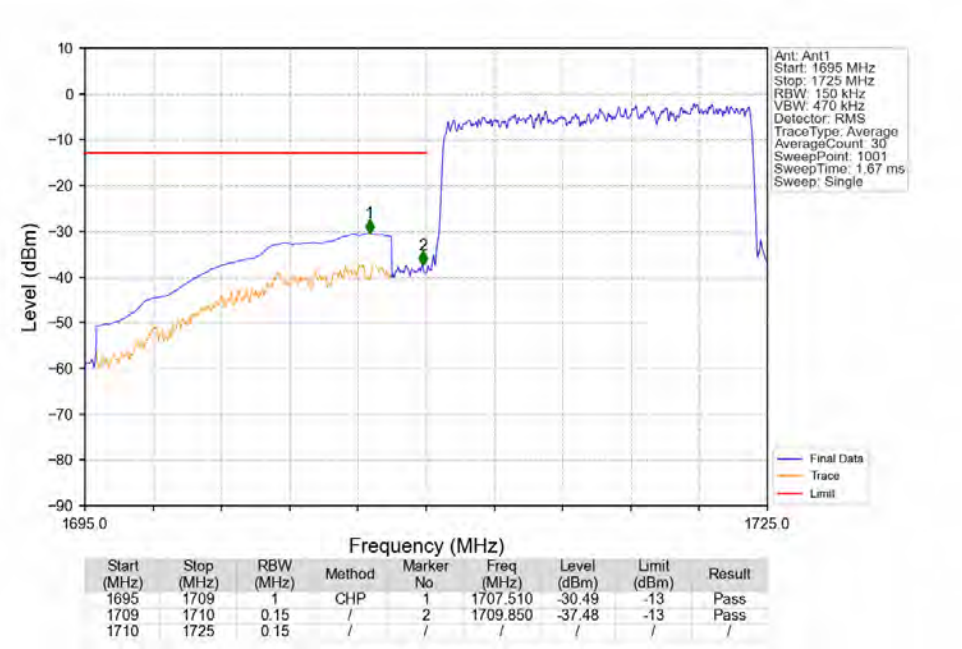
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

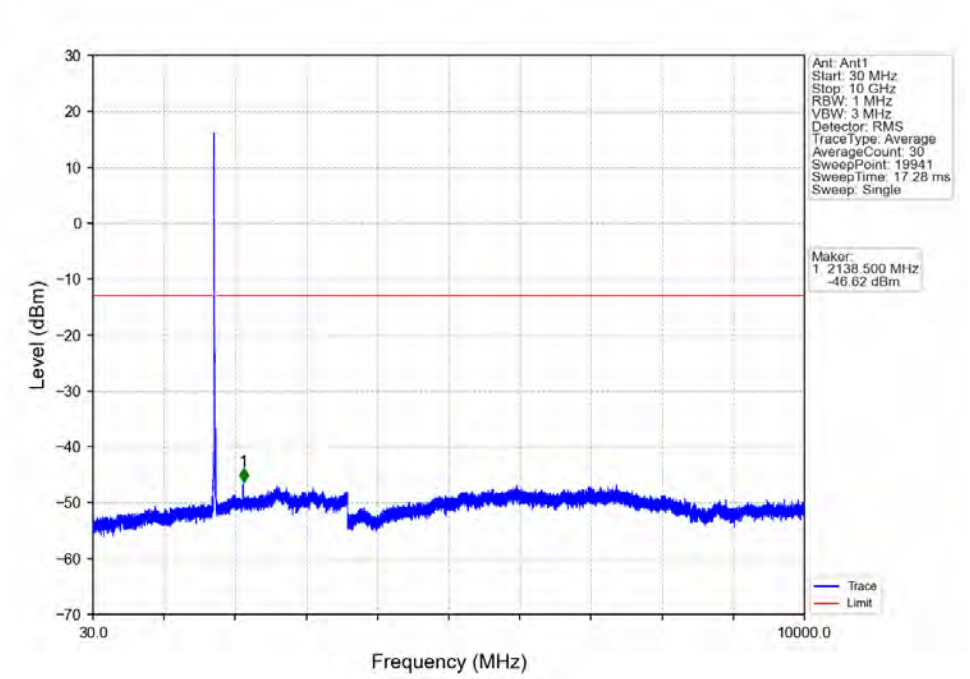


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

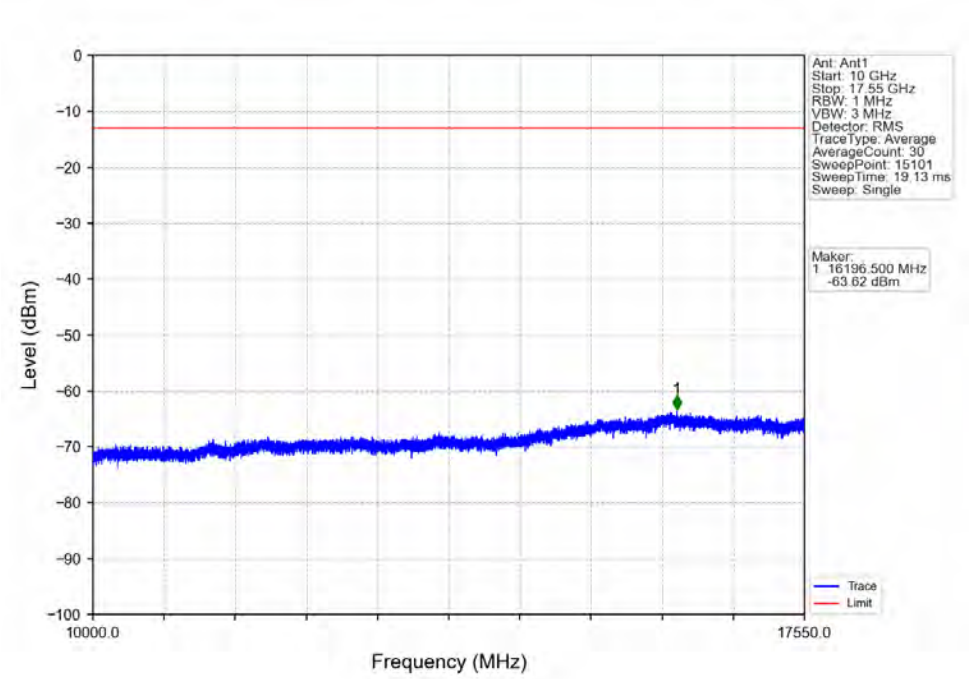


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.510	-30.49	-13	Pass
1709	1710	0.15	/	2	1709.850	-37.48	-13	Pass
1710	1725	0.15	/	/	/	/	/	/

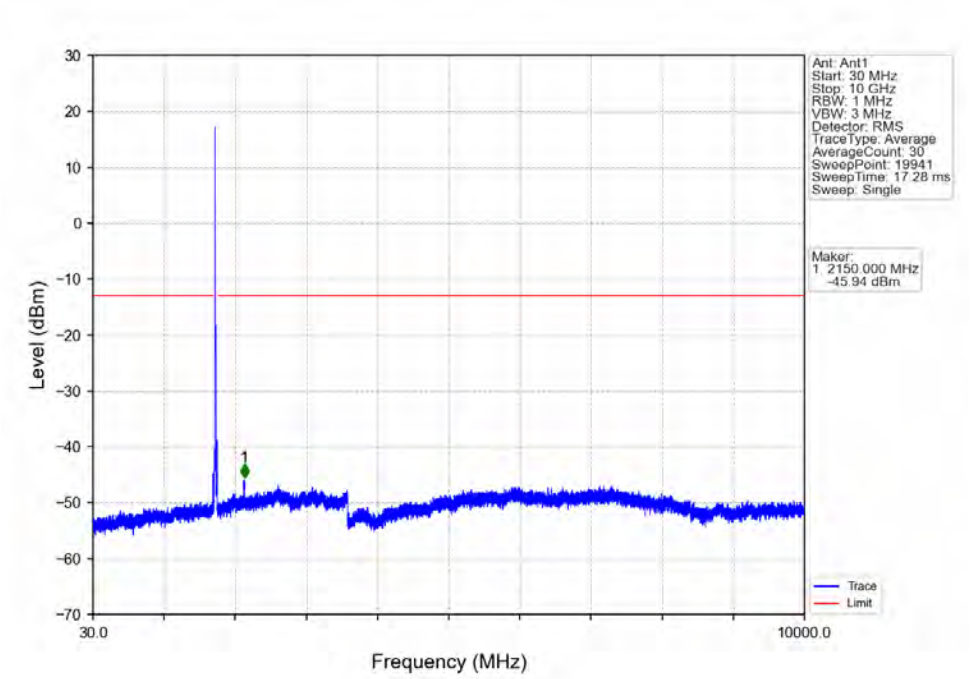
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



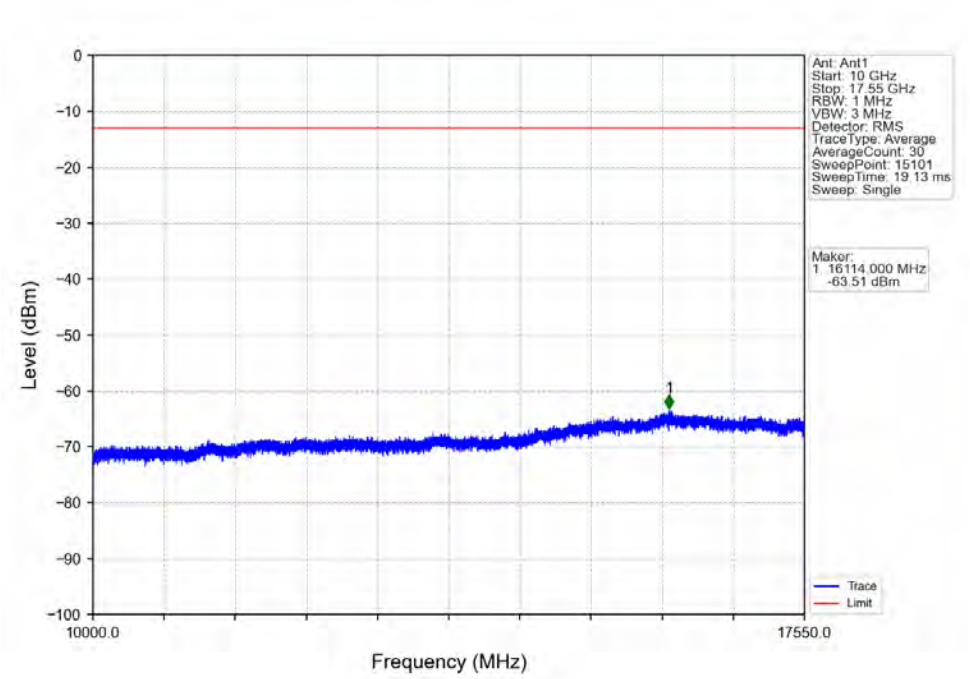
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



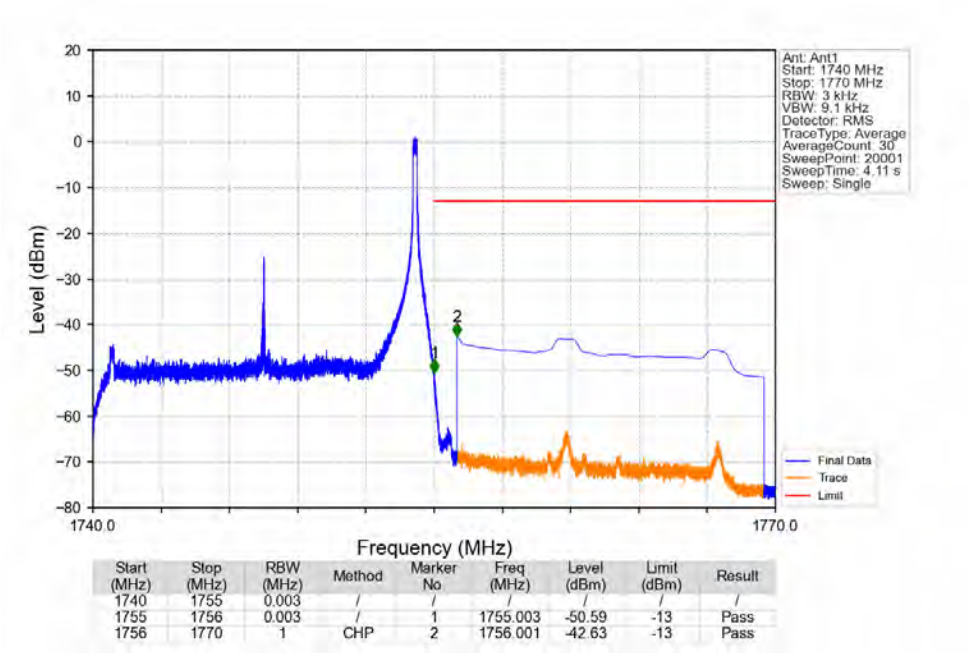
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV

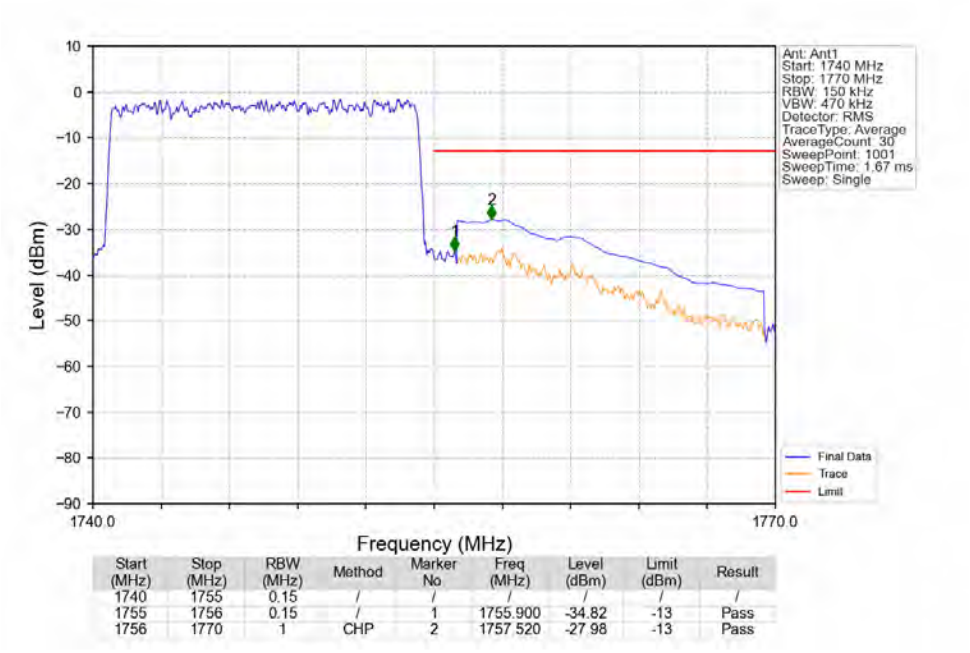


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_74_NTNV



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	1755.003	-50.59	-13	Pass
1756	1770	1	CHP	2	1756.001	-42.63	-13	Pass

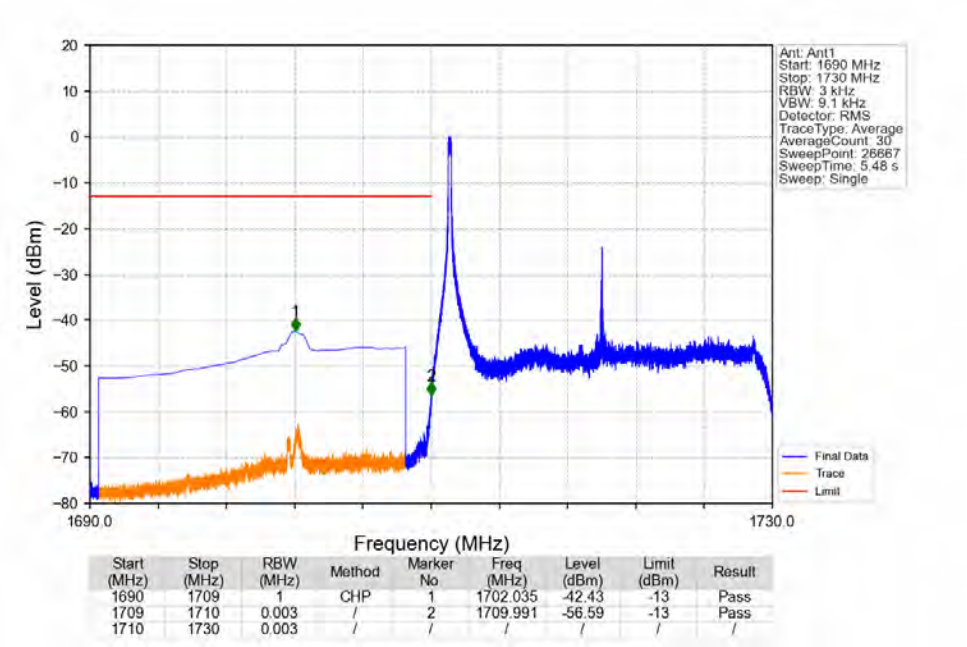
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.15	/	/	/	/	/	/
1755	1756	0.15	/	1	1755.900	-34.82	-13	Pass
1756	1770	1	CHP	2	1757.520	-27.98	-13	Pass

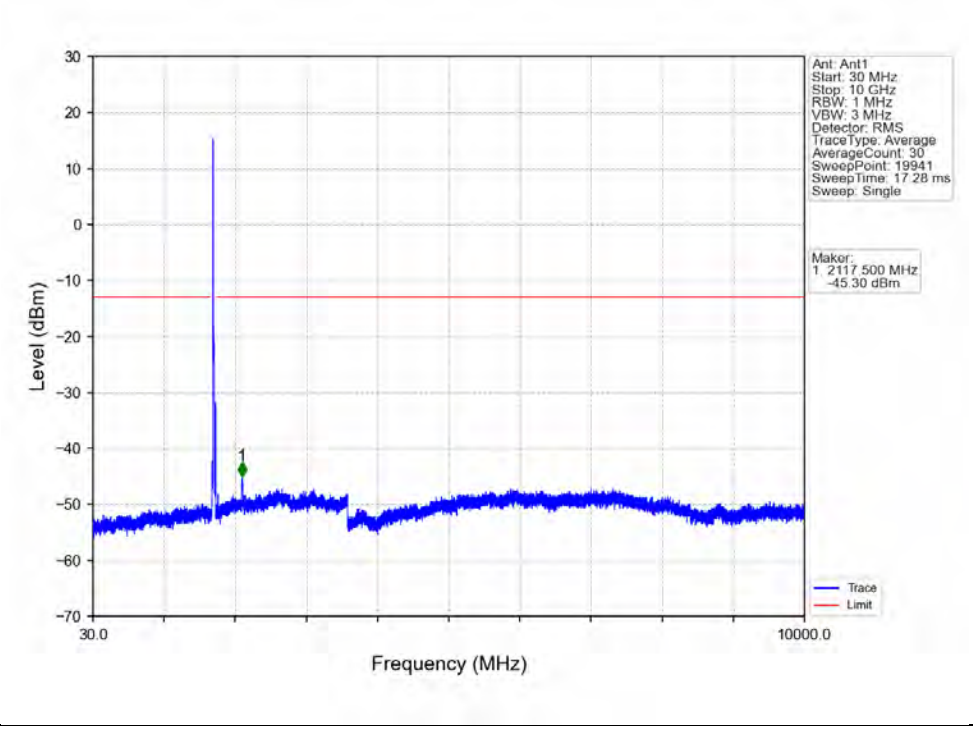
6.2.6 B4_20MHz

Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

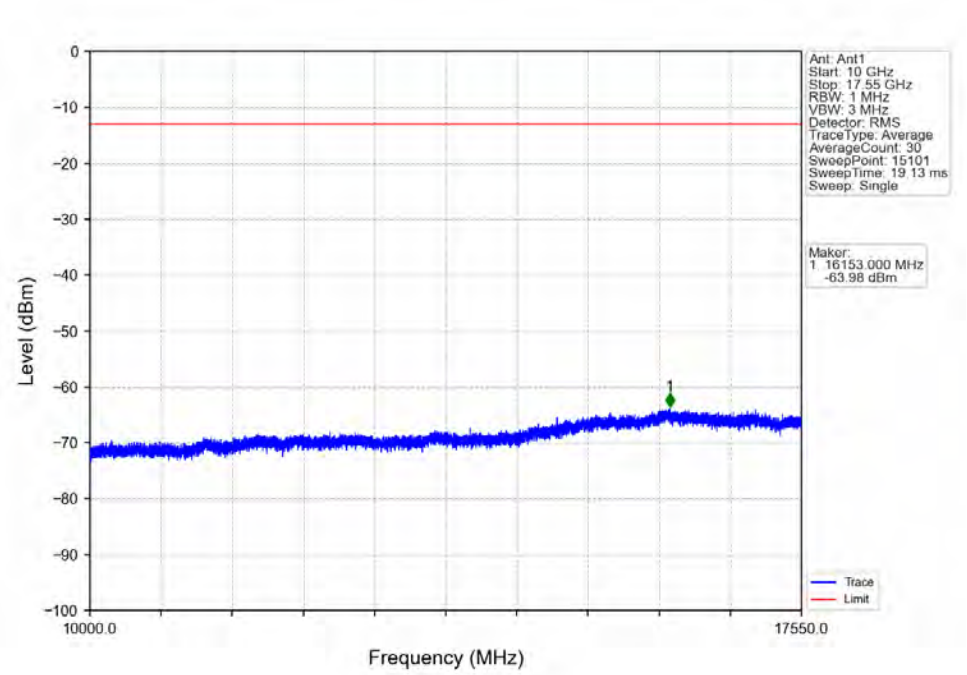


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1702.035	-42.43	-13	Pass
1709	1710	0.003	/	2	1709.991	-56.59	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

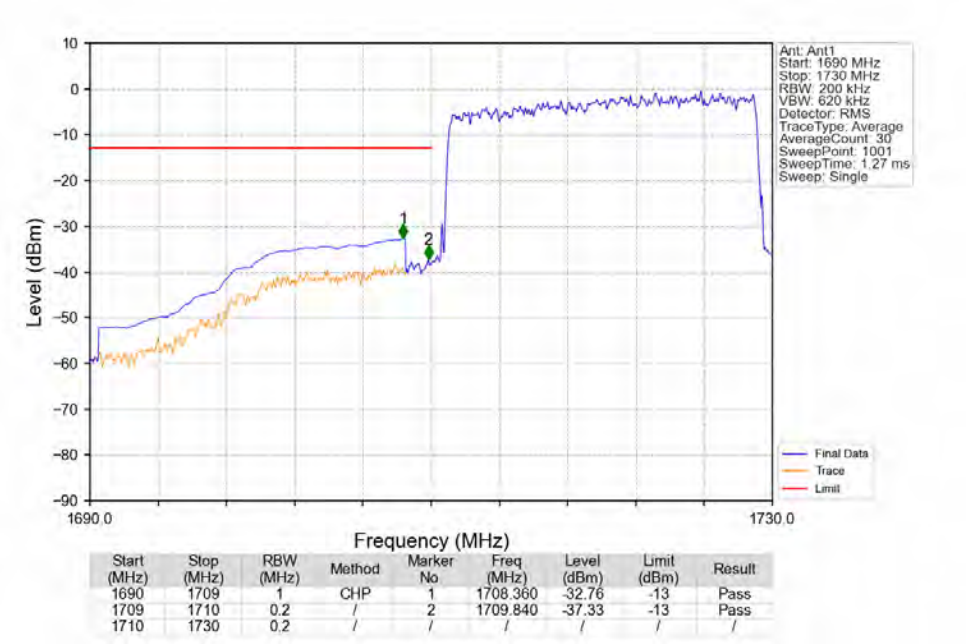
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

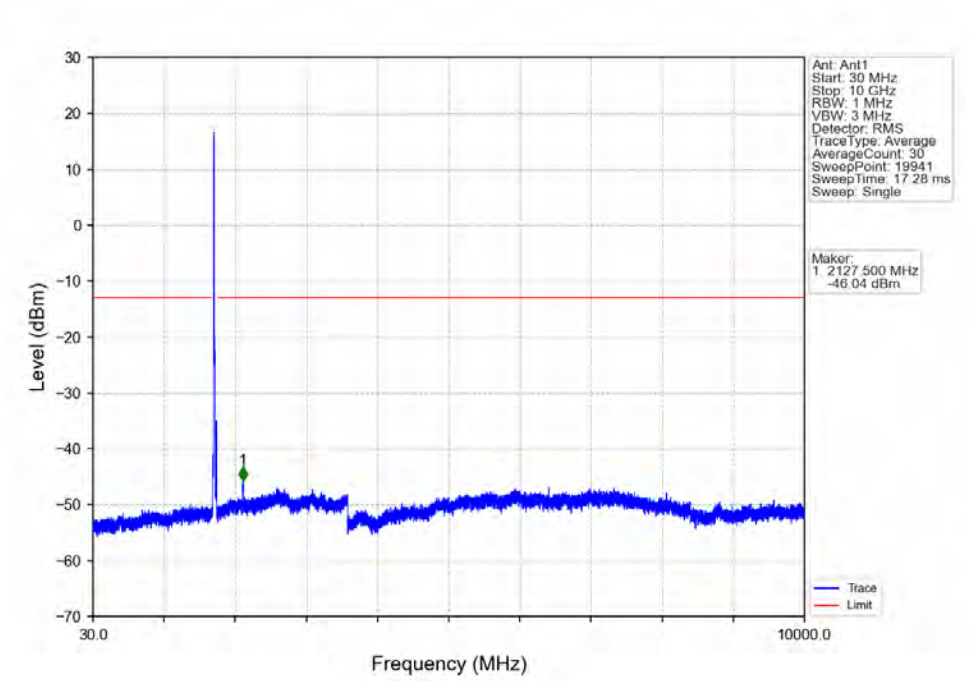


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

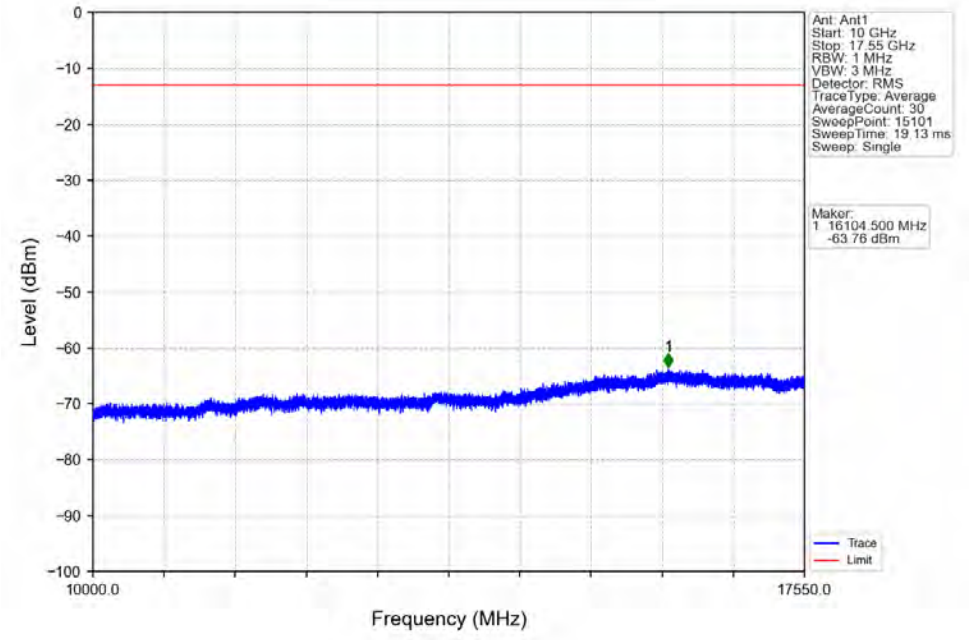


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.360	-32.76	-13	Pass
1709	1710	0.2	/	2	1709.840	-37.33	-13	Pass
1710	1730	0.2	/	/	/	/	/	/

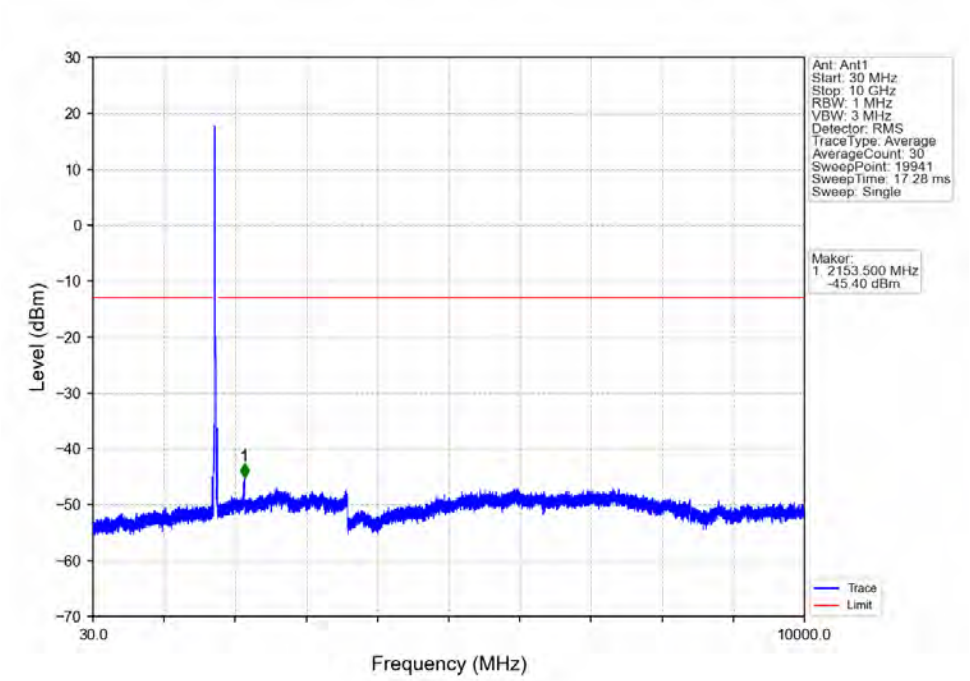
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



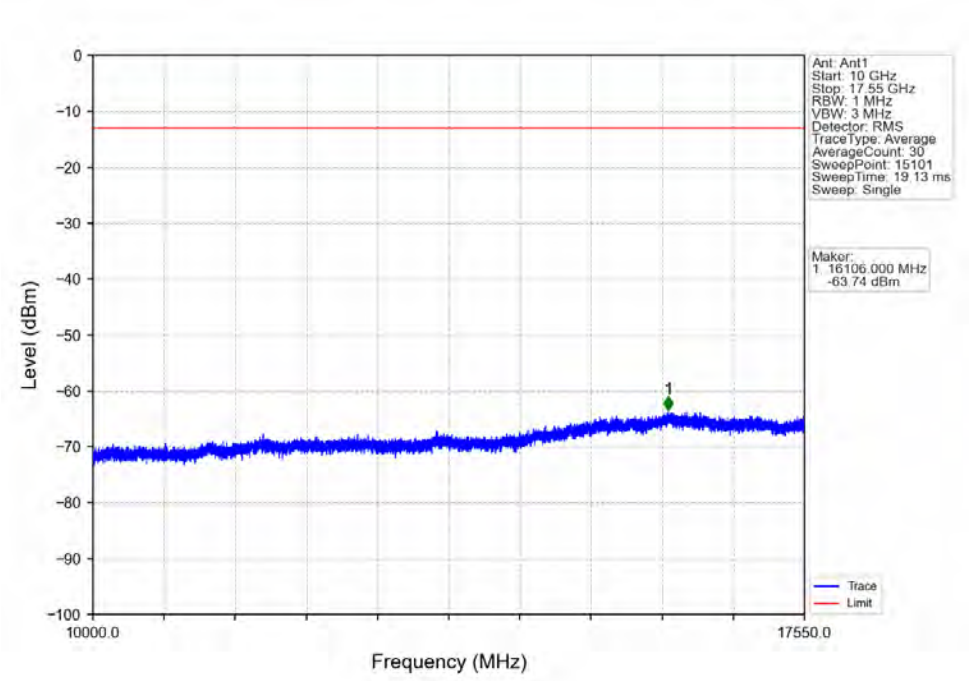
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



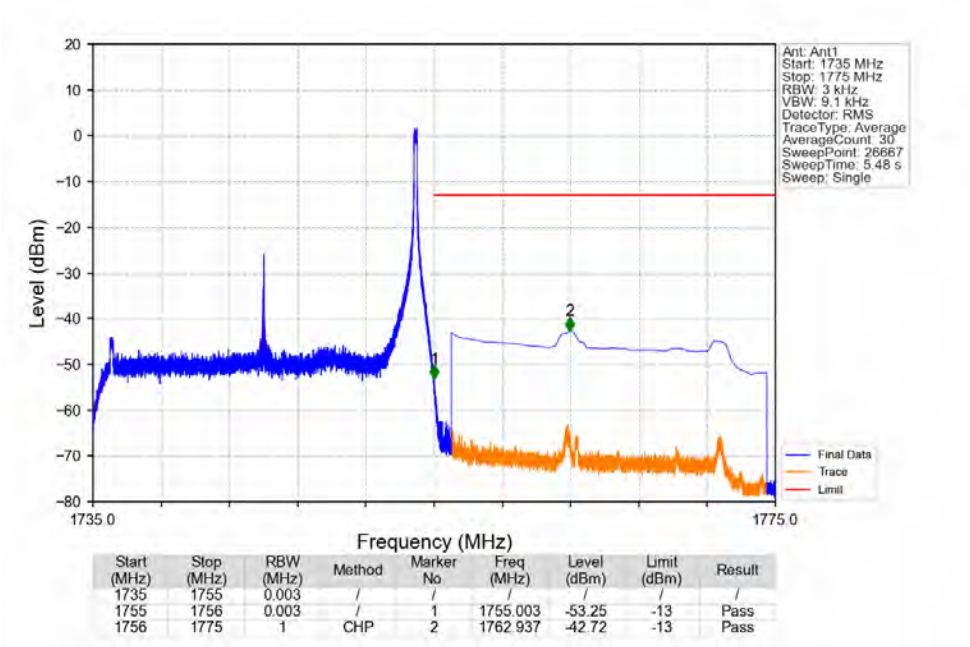
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

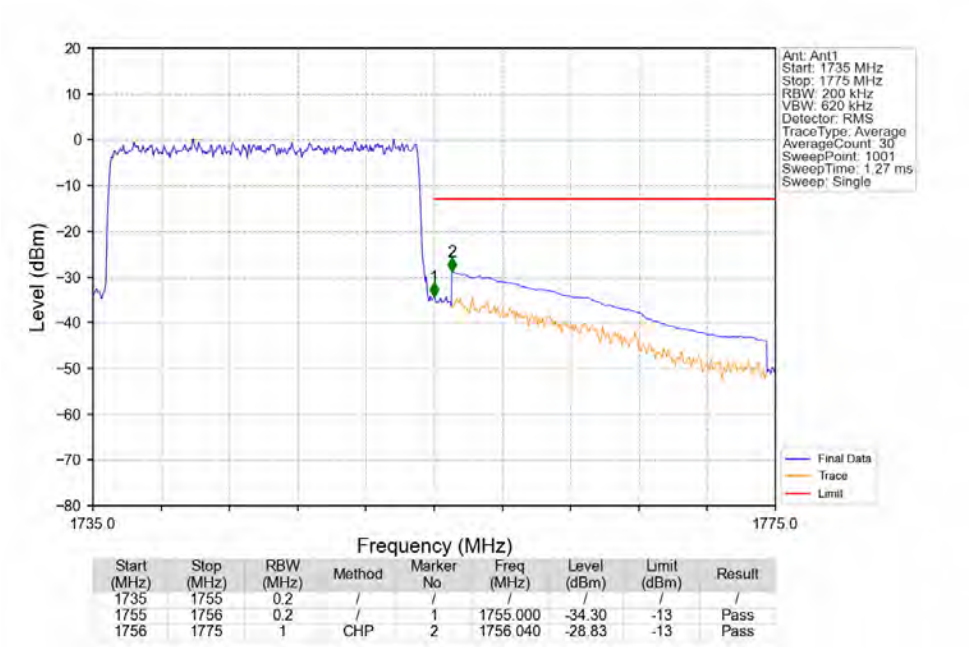


Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



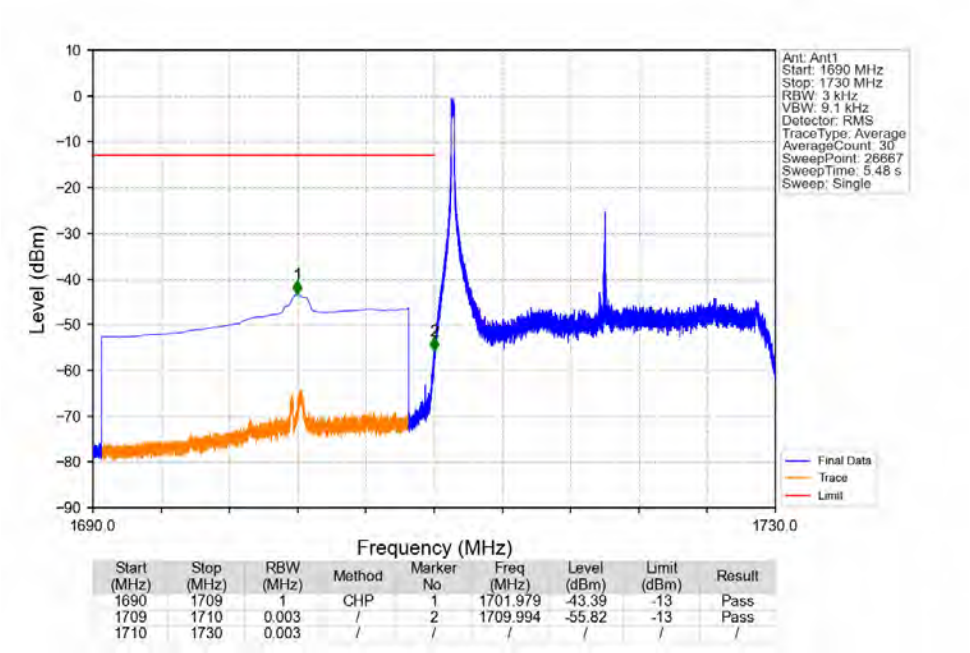
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-53.25	-13	Pass
1756	1775	1	CHP	2	1762.937	-42.72	-13	Pass

Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



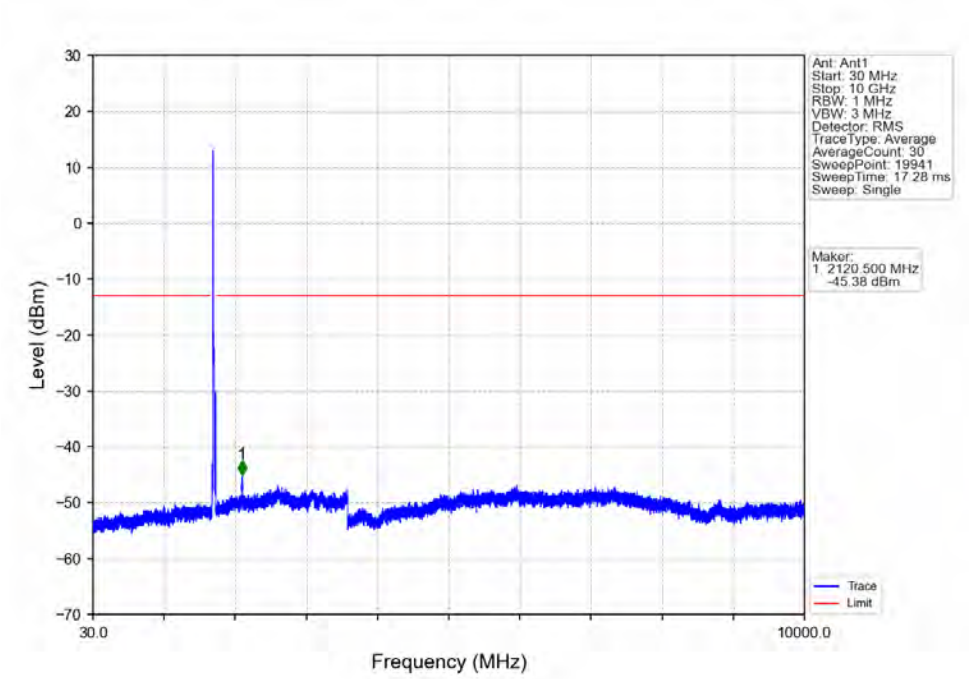
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.2	/	/	/	/	/	/
1755	1756	0.2	/	1	1755.000	-34.30	-13	Pass
1756	1775	1	CHP	2	1756.040	-28.83	-13	Pass

Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

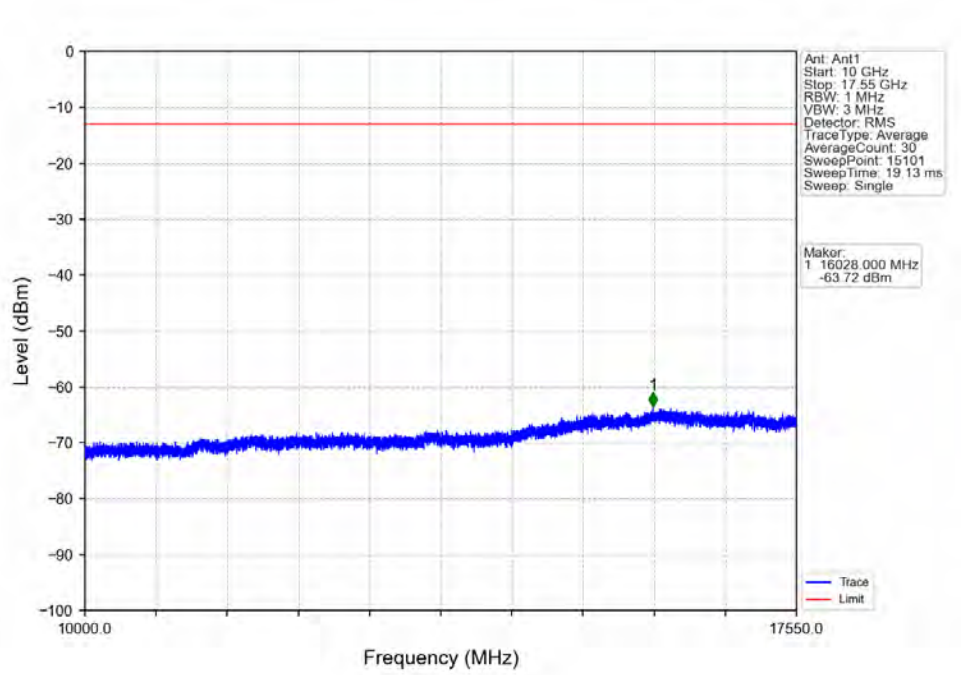


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1701.979	-43.39	-13	Pass
1709	1710	0.003	/	2	1709.994	-55.82	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

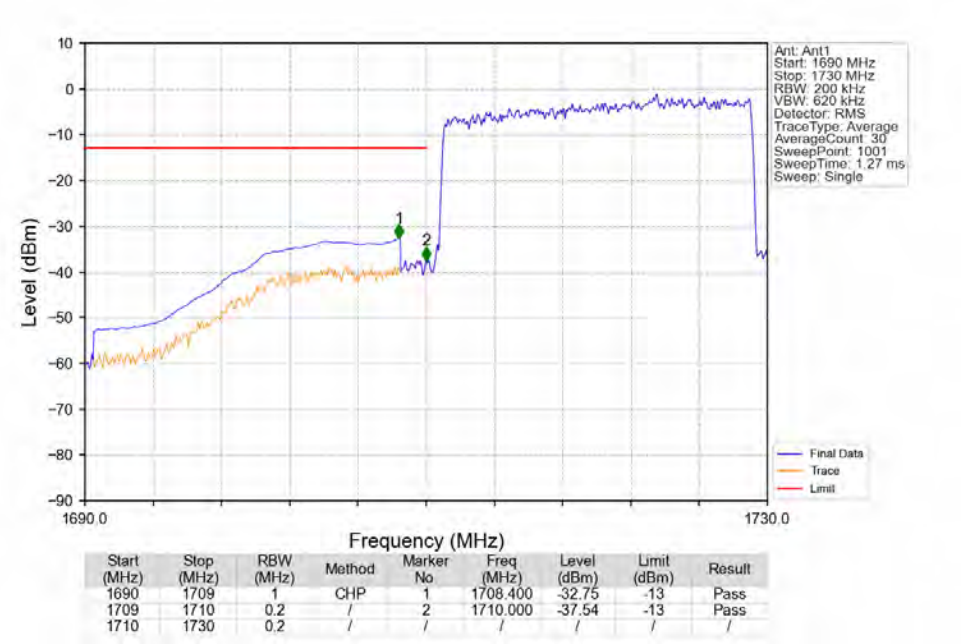
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

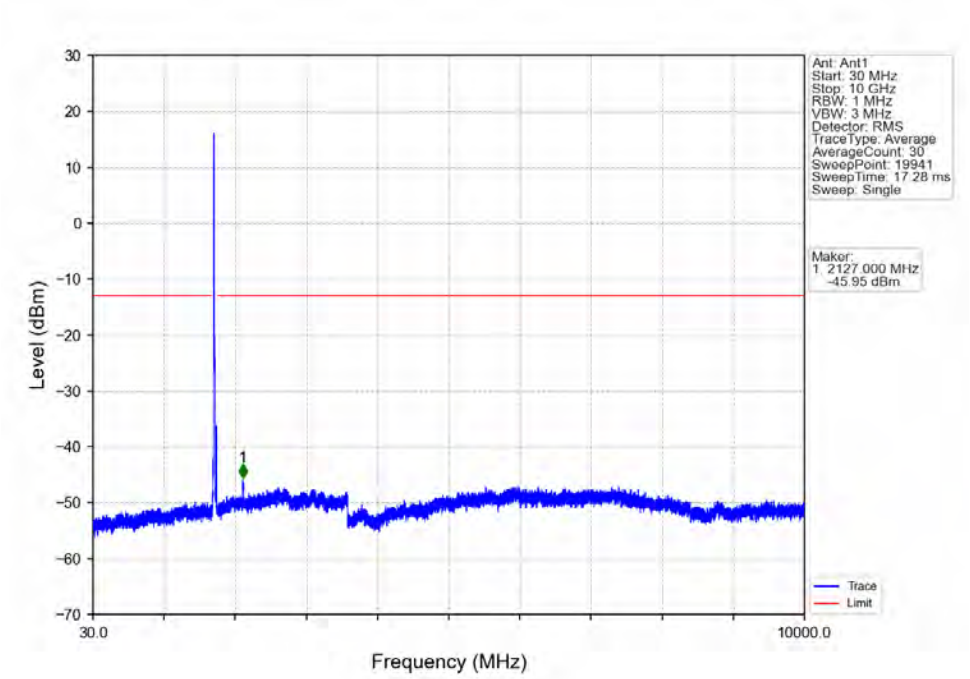


Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

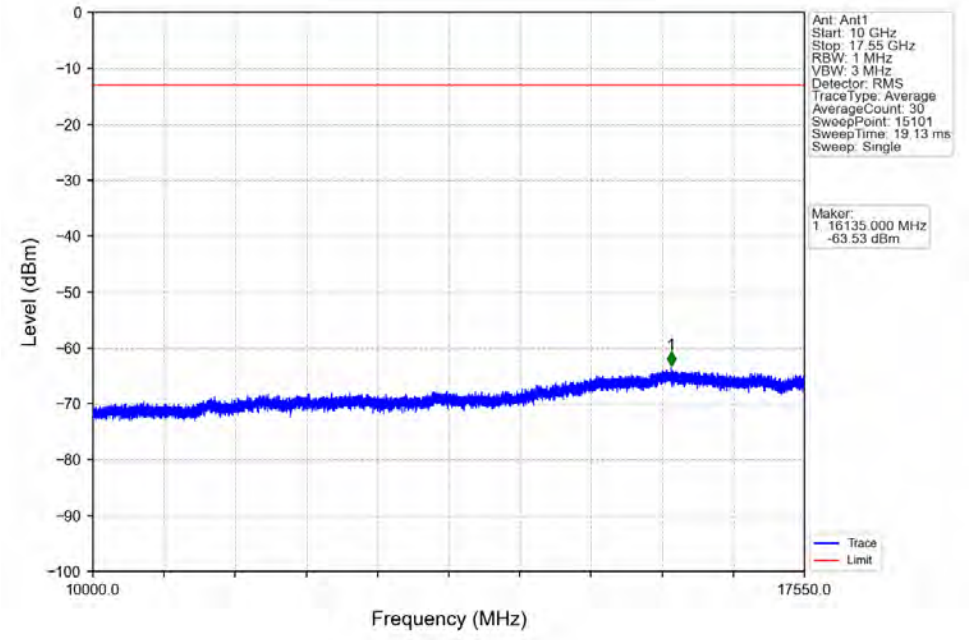


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.400	-32.75	-13	Pass
1709	1710	0.2	/	2	1710.000	-37.54	-13	Pass
1710	1730	0.2	/	/	/	/	/	/

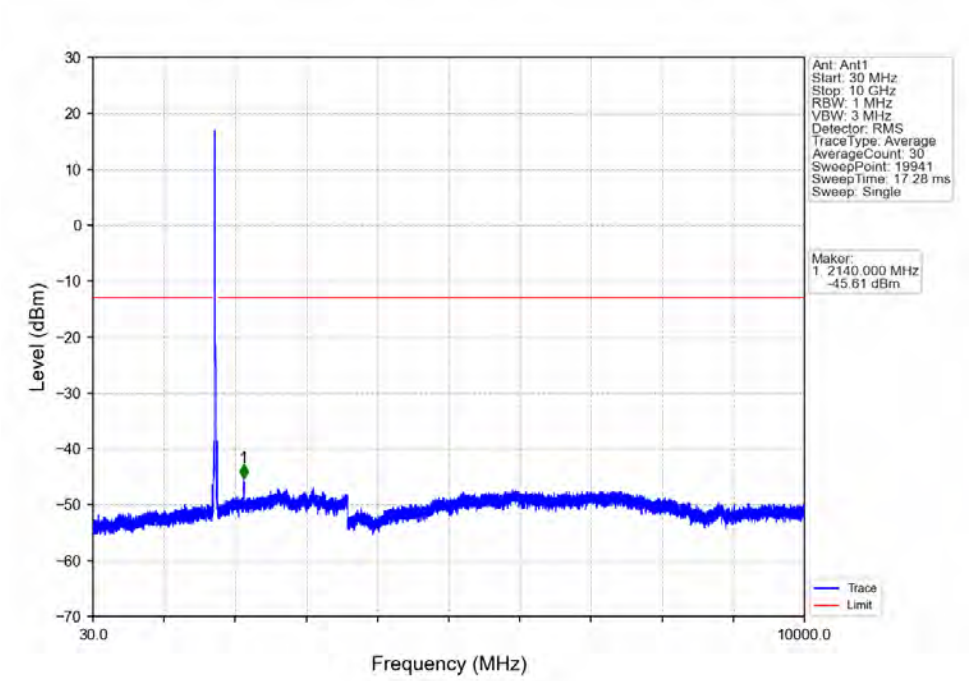
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



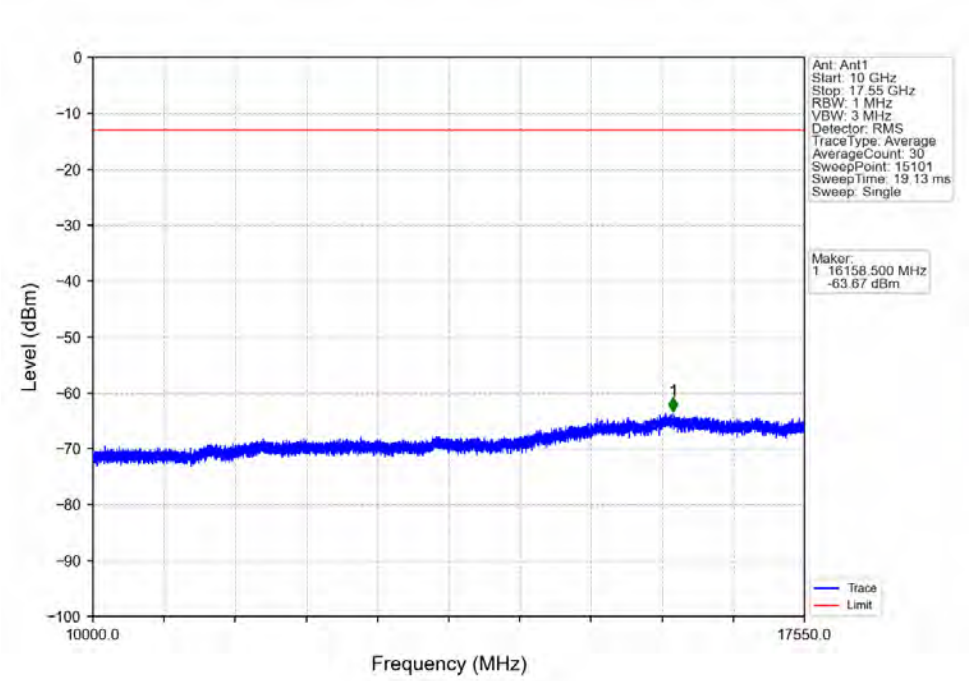
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



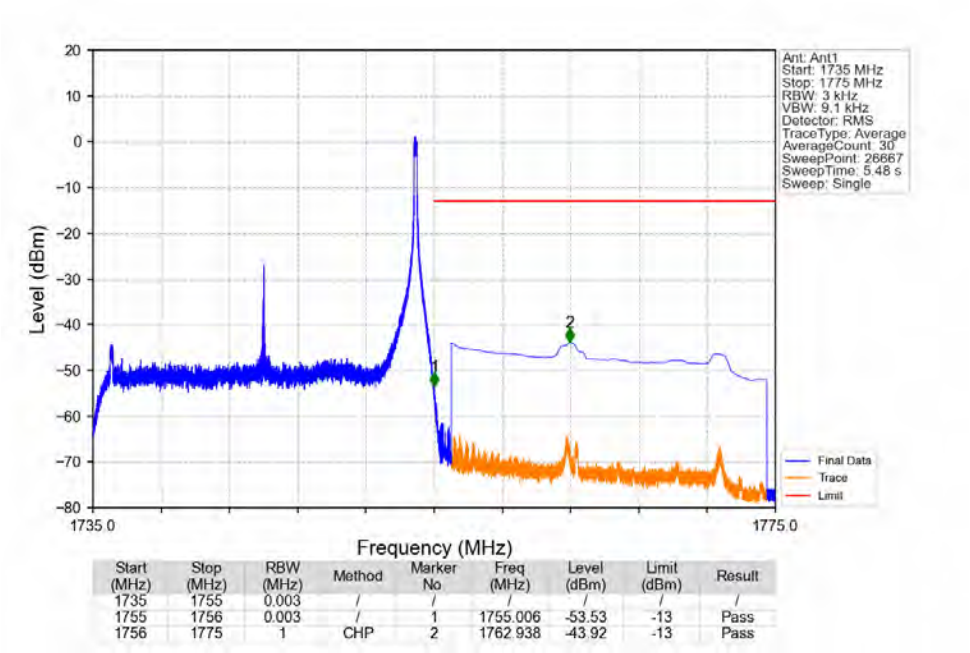
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV

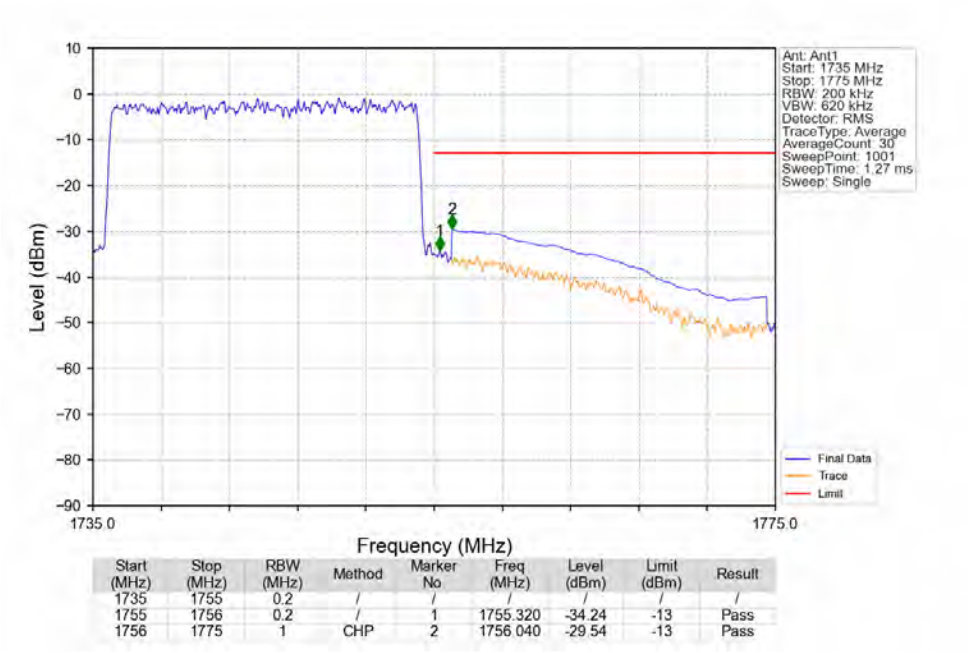


Band4_20MHz_16QAM_HCH_1745MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.006	-53.53	-13	Pass
1756	1775	1	CHP	2	1762.938	-43.92	-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	0.2	/	/	/	/	/	/
1755	1756	0.2	/	1	1755.320	-34.24	-13	Pass
1756	1775	1	CHP	2	1756.040	-29.54	-13	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

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	0.2104	0.0114	ppm	1M12G7D	27L	23.23
4	1.4	1710.7	1754.3	0.1600	0.0090	ppm	1M11W7D	27L	22.04
4	3	1711.5	1753.5	0.2014	0.0106	ppm	2M74G7D	27L	23.04
4	3	1711.5	1753.5	0.1563	0.0115	ppm	2M73W7D	27L	21.94
4	5	1712.5	1752.5	0.1995	0.0062	ppm	4M57G7D	27L	23.00
4	5	1712.5	1752.5	0.1675	0.0092	ppm	4M57W7D	27L	22.24
4	10	1715	1750	0.1982	0.0066	ppm	9M06G7D	27L	22.97
4	10	1715	1750	0.1671	0.0048	ppm	9M03W7D	27L	22.23
4	15	1717.5	1747.5	0.1991	0.0034	ppm	13M6G7D	27L	22.99
4	15	1717.5	1747.5	0.1762	0.0056	ppm	13M6W7D	27L	22.46
4	20	1720	1745	0.2138	0.0039	ppm	18M1G7D	27L	23.30
4	20	1720	1745	0.1824	0.0059	ppm	18M2W7D	27L	22.61

7.1.2 Form731_EIRP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
4	1.4	1710.7	1754.3	0.2600	0.0114	ppm	1M12G7D	27L	24.15
4	1.4	1710.7	1754.3	0.1977	0.0090	ppm	1M11W7D	27L	22.96
4	3	1711.5	1753.5	0.2489	0.0106	ppm	2M74G7D	27L	23.96
4	3	1711.5	1753.5	0.1932	0.0115	ppm	2M73W7D	27L	22.86
4	5	1712.5	1752.5	0.2466	0.0062	ppm	4M57G7D	27L	23.92
4	5	1712.5	1752.5	0.2070	0.0092	ppm	4M57W7D	27L	23.16
4	10	1715	1750	0.2449	0.0066	ppm	9M06G7D	27L	23.89
4	10	1715	1750	0.2065	0.0048	ppm	9M03W7D	27L	23.15
4	15	1717.5	1747.5	0.2460	0.0034	ppm	13M6G7D	27L	23.91
4	15	1717.5	1747.5	0.2178	0.0056	ppm	13M6W7D	27L	23.38
4	20	1720	1745	0.2642	0.0039	ppm	18M1G7D	27L	24.22
4	20	1720	1745	0.2254	0.0059	ppm	18M2W7D	27L	23.53