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	23.47	2.66	26.13	<=30	Pass
			2	23.21	2.66	25.87	<=30	Pass
			5	23.26	2.66	25.92	<=30	Pass
		3	0	23.29	2.66	25.95	<=30	Pass
			2	23.27	2.66	25.93	<=30	Pass
			3	23.37	2.66	26.03	<=30	Pass
		6	0	22.18	2.66	24.84	<=30	Pass
	1732.5	1	0	23.72	2.66	26.38	<=30	Pass
			2	23.85	2.66	26.51	<=30	Pass
			5	23.68	2.66	26.34	<=30	Pass
		3	0	23.78	2.66	26.44	<=30	Pass
			2	23.91	2.66	26.57	<=30	Pass
			3	23.78	2.66	26.44	<=30	Pass
		6	0	22.72	2.66	25.38	<=30	Pass
	1754.3	1	0	23.57	2.66	26.23	<=30	Pass
			2	23.52	2.66	26.18	<=30	Pass
			5	23.46	2.66	26.12	<=30	Pass
		3	0	23.47	2.66	26.13	<=30	Pass
			2	23.63	2.66	26.29	<=30	Pass
			3	23.36	2.66	26.02	<=30	Pass
		6	0	22.49	2.66	25.15	<=30	Pass
16QAM	1710.7	1	0	22.77	2.66	25.43	<=30	Pass
			2	23.16	2.66	25.82	<=30	Pass
			5	23.01	2.66	25.67	<=30	Pass
		3	0	22.37	2.66	25.03	<=30	Pass
			2	22.48	2.66	25.14	<=30	Pass
			3	22.36	2.66	25.02	<=30	Pass
		6	0	21.45	2.66	24.11	<=30	Pass
	1732.5	1	0	22.63	2.66	25.29	<=30	Pass
			2	22.48	2.66	25.14	<=30	Pass
			5	22.54	2.66	25.20	<=30	Pass
		3	0	22.69	2.66	25.35	<=30	Pass
			2	22.80	2.66	25.46	<=30	Pass
			3	23.26	2.66	25.92	<=30	Pass
		6	0	21.85	2.66	24.51	<=30	Pass
	1754.3	1	0	22.51	2.66	25.17	<=30	Pass
			2	22.53	2.66	25.19	<=30	Pass
			5	22.33	2.66	24.99	<=30	Pass
		3	0	22.52	2.66	25.18	<=30	Pass
			2	22.57	2.66	25.23	<=30	Pass
			3	22.39	2.66	25.05	<=30	Pass
		6	0	21.19	2.66	23.85	<=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	23.37	2.66	26.03	<=30	Pass
			7	23.20	2.66	25.86	<=30	Pass
			14	23.22	2.66	25.88	<=30	Pass
		8	0	22.28	2.66	24.94	<=30	Pass
			4	22.21	2.66	24.87	<=30	Pass
			7	22.27	2.66	24.93	<=30	Pass
		15	0	22.19	2.66	24.85	<=30	Pass
	1732.5	1	0	23.55	2.66	26.21	<=30	Pass
			7	23.60	2.66	26.26	<=30	Pass
			14	23.92	2.66	26.58	<=30	Pass
		8	0	22.70	2.66	25.36	<=30	Pass
			4	22.69	2.66	25.35	<=30	Pass
			7	22.63	2.66	25.29	<=30	Pass
		15	0	22.68	2.66	25.34	<=30	Pass
	1753.5	1	0	23.48	2.66	26.14	<=30	Pass
			7	23.61	2.66	26.27	<=30	Pass
			14	23.64	2.66	26.30	<=30	Pass
		8	0	22.34	2.66	25.00	<=30	Pass
			4	22.43	2.66	25.09	<=30	Pass
			7	22.39	2.66	25.05	<=30	Pass
		15	0	22.42	2.66	25.08	<=30	Pass
16QAM	1711.5	1	0	22.59	2.66	25.25	<=30	Pass
			7	22.58	2.66	25.24	<=30	Pass
			14	23.13	2.66	25.79	<=30	Pass
		8	0	21.07	2.66	23.73	<=30	Pass
			4	21.30	2.66	23.96	<=30	Pass
			7	21.46	2.66	24.12	<=30	Pass
		15	0	21.28	2.66	23.94	<=30	Pass
	1732.5	1	0	23.39	2.66	26.05	<=30	Pass
			7	23.60	2.66	26.26	<=30	Pass
			14	23.32	2.66	25.98	<=30	Pass
		8	0	21.52	2.66	24.18	<=30	Pass
			4	21.53	2.66	24.19	<=30	Pass
			7	21.56	2.66	24.22	<=30	Pass
		15	0	21.42	2.66	24.08	<=30	Pass
	1753.5	1	0	22.36	2.66	25.02	<=30	Pass
			7	22.27	2.66	24.93	<=30	Pass
			14	22.41	2.66	25.07	<=30	Pass
		8	0	21.40	2.66	24.06	<=30	Pass
			4	21.33	2.66	23.99	<=30	Pass
			7	21.46	2.66	24.12	<=30	Pass
		15	0	21.57	2.66	24.23	<=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	23.39	2.66	26.05	<=30	Pass
			13	23.27	2.66	25.93	<=30	Pass
			24	23.40	2.66	26.06	<=30	Pass
		12	0	22.19	2.66	24.85	<=30	Pass
			6	22.18	2.66	24.84	<=30	Pass
			13	22.37	2.66	25.03	<=30	Pass
		25	0	22.28	2.66	24.94	<=30	Pass
	1732.5	1	0	23.64	2.66	26.30	<=30	Pass
			13	23.70	2.66	26.36	<=30	Pass
			24	23.55	2.66	26.21	<=30	Pass
		12	0	22.71	2.66	25.37	<=30	Pass
			6	22.75	2.66	25.41	<=30	Pass
			13	22.76	2.66	25.42	<=30	Pass
		25	0	22.72	2.66	25.38	<=30	Pass
	1752.5	1	0	23.49	2.66	26.15	<=30	Pass
			13	23.58	2.66	26.24	<=30	Pass
			24	23.69	2.66	26.35	<=30	Pass
		12	0	22.56	2.66	25.22	<=30	Pass
			6	22.60	2.66	25.26	<=30	Pass
			13	22.59	2.66	25.25	<=30	Pass
		25	0	22.63	2.66	25.29	<=30	Pass
16QAM	1712.5	1	0	21.69	2.66	24.35	<=30	Pass
			13	21.77	2.66	24.43	<=30	Pass
			24	21.86	2.66	24.52	<=30	Pass
		12	0	21.21	2.66	23.87	<=30	Pass
			6	21.31	2.66	23.97	<=30	Pass
			13	21.31	2.66	23.97	<=30	Pass
		25	0	21.33	2.66	23.99	<=30	Pass
	1732.5	1	0	22.53	2.66	25.19	<=30	Pass
			13	23.07	2.66	25.73	<=30	Pass
			24	23.17	2.66	25.83	<=30	Pass
		12	0	21.58	2.66	24.24	<=30	Pass
			6	21.45	2.66	24.11	<=30	Pass
			13	21.74	2.66	24.40	<=30	Pass
		25	0	21.76	2.66	24.42	<=30	Pass
	1752.5	1	0	22.68	2.66	25.34	<=30	Pass
			13	22.29	2.66	24.95	<=30	Pass
			24	22.61	2.66	25.27	<=30	Pass
		12	0	21.63	2.66	24.29	<=30	Pass
			6	21.49	2.66	24.15	<=30	Pass
			13	21.59	2.66	24.25	<=30	Pass
		25	0	21.57	2.66	24.23	<=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	23.38	2.66	26.04	<=30	Pass
			25	23.22	2.66	25.88	<=30	Pass

			49	23.51	2.66	26.17	<=30	Pass
		25	0	22.29	2.66	24.95	<=30	Pass
			13	22.21	2.66	24.87	<=30	Pass
			25	22.50	2.66	25.16	<=30	Pass
		50	0	22.39	2.66	25.05	<=30	Pass
	1732.5	1	0	23.49	2.66	26.15	<=30	Pass
			25	24.01	2.66	26.67	<=30	Pass
			49	23.65	2.66	26.31	<=30	Pass
		25	0	22.59	2.66	25.25	<=30	Pass
			13	22.66	2.66	25.32	<=30	Pass
			25	22.84	2.66	25.50	<=30	Pass
		50	0	22.65	2.66	25.31	<=30	Pass
	1750	1	0	23.72	2.66	26.38	<=30	Pass
			25	23.59	2.66	26.25	<=30	Pass
			49	23.63	2.66	26.29	<=30	Pass
		25	0	22.60	2.66	25.26	<=30	Pass
			13	22.48	2.66	25.14	<=30	Pass
			25	22.50	2.66	25.16	<=30	Pass
		50	0	22.57	2.66	25.23	<=30	Pass
16QAM	1715	1	0	22.82	2.66	25.48	<=30	Pass
			25	22.77	2.66	25.43	<=30	Pass
			49	22.77	2.66	25.43	<=30	Pass
		25	0	21.44	2.66	24.10	<=30	Pass
			13	21.38	2.66	24.04	<=30	Pass
			25	21.47	2.66	24.13	<=30	Pass
		50	0	21.41	2.66	24.07	<=30	Pass
	1732.5	1	0	22.28	2.66	24.94	<=30	Pass
			25	23.02	2.66	25.68	<=30	Pass
			49	23.03	2.66	25.69	<=30	Pass
		25	0	21.63	2.66	24.29	<=30	Pass
			13	21.61	2.66	24.27	<=30	Pass
			25	21.78	2.66	24.44	<=30	Pass
		50	0	21.70	2.66	24.36	<=30	Pass
	1750	1	0	22.51	2.66	25.17	<=30	Pass
			25	22.61	2.66	25.27	<=30	Pass
			49	22.27	2.66	24.93	<=30	Pass
		25	0	21.53	2.66	24.19	<=30	Pass
			13	21.69	2.66	24.35	<=30	Pass
			25	21.75	2.66	24.41	<=30	Pass
		50	0	21.66	2.66	24.32	<=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	23.39	2.66	26.05	<=30	Pass
			38	23.55	2.66	26.21	<=30	Pass
			74	23.52	2.66	26.18	<=30	Pass
		36	0	22.35	2.66	25.01	<=30	Pass
			18	22.37	2.66	25.03	<=30	Pass
			39	22.62	2.66	25.28	<=30	Pass
		75	0	22.38	2.66	25.04	<=30	Pass
	1732.5	1	0	23.42	2.66	26.08	<=30	Pass
			38	23.61	2.66	26.27	<=30	Pass
			74	23.62	2.66	26.28	<=30	Pass
		36	0	22.69	2.66	25.35	<=30	Pass
			18	22.61	2.66	25.27	<=30	Pass

			39	22.69	2.66	25.35	<=30	Pass
		75	0	22.59	2.66	25.25	<=30	Pass
	1747.5	1	0	23.62	2.66	26.28	<=30	Pass
			38	23.54	2.66	26.20	<=30	Pass
			74	23.48	2.66	26.14	<=30	Pass
		36	0	22.67	2.66	25.33	<=30	Pass
			18	22.59	2.66	25.25	<=30	Pass
			39	22.45	2.66	25.11	<=30	Pass
		75	0	22.62	2.66	25.28	<=30	Pass
16QAM	1717.5	1	0	22.91	2.66	25.57	<=30	Pass
			38	22.79	2.66	25.45	<=30	Pass
			74	22.42	2.66	25.08	<=30	Pass
		36	0	21.40	2.66	24.06	<=30	Pass
			18	21.37	2.66	24.03	<=30	Pass
			39	21.41	2.66	24.07	<=30	Pass
		75	0	21.52	2.66	24.18	<=30	Pass
	1732.5	1	0	23.21	2.66	25.87	<=30	Pass
			38	23.28	2.66	25.94	<=30	Pass
			74	23.31	2.66	25.97	<=30	Pass
		36	0	21.70	2.66	24.36	<=30	Pass
			18	21.63	2.66	24.29	<=30	Pass
			39	21.82	2.66	24.48	<=30	Pass
		75	0	21.63	2.66	24.29	<=30	Pass
	1747.5	1	0	22.50	2.66	25.16	<=30	Pass
			38	22.44	2.66	25.10	<=30	Pass
			74	21.97	2.66	24.63	<=30	Pass
		36	0	21.60	2.66	24.26	<=30	Pass
			18	21.62	2.66	24.28	<=30	Pass
			39	21.32	2.66	23.98	<=30	Pass
		75	0	21.68	2.66	24.34	<=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	23.14	2.66	25.80	<=30	Pass
			50	23.67	2.66	26.33	<=30	Pass
			99	23.33	2.66	25.99	<=30	Pass
		50	0	22.50	2.66	25.16	<=30	Pass
			25	22.54	2.66	25.20	<=30	Pass
			50	22.63	2.66	25.29	<=30	Pass
		100	0	22.63	2.66	25.29	<=30	Pass
	1732.5	1	0	23.92	2.66	26.58	<=30	Pass
			50	23.98	2.66	26.64	<=30	Pass
			99	23.67	2.66	26.33	<=30	Pass
		50	0	22.65	2.66	25.31	<=30	Pass
			25	22.70	2.66	25.36	<=30	Pass
			50	22.80	2.66	25.46	<=30	Pass
		100	0	22.63	2.66	25.29	<=30	Pass
	1745	1	0	23.74	2.66	26.40	<=30	Pass
			50	23.88	2.66	26.54	<=30	Pass
			99	23.41	2.66	26.07	<=30	Pass
		50	0	22.74	2.66	25.40	<=30	Pass
			25	22.67	2.66	25.33	<=30	Pass
			50	22.59	2.66	25.25	<=30	Pass
		100	0	22.65	2.66	25.31	<=30	Pass
16QAM	1720	1	0	22.12	2.66	24.78	<=30	Pass

			50	22.99	2.66	25.65	<=30	Pass
			99	23.02	2.66	25.68	<=30	Pass
		50	0	21.50	2.66	24.16	<=30	Pass
			25	21.57	2.66	24.23	<=30	Pass
			50	21.68	2.66	24.34	<=30	Pass
		100	0	21.68	2.66	24.34	<=30	Pass
	1732.5	1	0	22.62	2.66	25.28	<=30	Pass
			50	22.79	2.66	25.45	<=30	Pass
			99	22.58	2.66	25.24	<=30	Pass
		50	0	21.68	2.66	24.34	<=30	Pass
			25	21.63	2.66	24.29	<=30	Pass
			50	21.74	2.66	24.40	<=30	Pass
		100	0	21.68	2.66	24.34	<=30	Pass
	1745	1	0	23.81	2.66	26.47	<=30	Pass
			50	23.55	2.66	26.21	<=30	Pass
			99	23.27	2.66	25.93	<=30	Pass
		50	0	21.84	2.66	24.50	<=30	Pass
			25	21.58	2.66	24.24	<=30	Pass
			50	21.36	2.66	24.02	<=30	Pass
		100	0	21.72	2.66	24.38	<=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	3.4	0.465	0.0003	/	Pass
					3.8	1.543	0.0009	/	Pass
					4.2	0.323	0.0002	/	Pass
				-30	3.8	0.721	0.0004	/	Pass
				-20	3.8	0.420	0.0002	/	Pass
				-10	3.8	1.755	0.0010	/	Pass
				0	3.8	1.205	0.0007	/	Pass
				10	3.8	1.972	0.0012	/	Pass
				30	3.8	0.031	0.0000	/	Pass
				40	3.8	0.121	0.0001	/	Pass
				50	3.8	0.140	0.0001	/	Pass
	1732.5	6	0	20	3.4	-0.663	-0.0004	/	Pass
					3.8	0.962	0.0006	/	Pass
					4.2	-0.143	-0.0001	/	Pass
				-30	3.8	1.315	0.0008	/	Pass
				-20	3.8	0.292	0.0002	/	Pass
				-10	3.8	0.470	0.0003	/	Pass
				0	3.8	1.129	0.0007	/	Pass
				10	3.8	0.482	0.0003	/	Pass
				30	3.8	1.771	0.0010	/	Pass
				40	3.8	0.042	0.0000	/	Pass
				50	3.8	1.868	0.0011	/	Pass
	1754.3	6	0	20	3.4	-2.480	-0.0014	/	Pass
					3.8	-3.149	-0.0018	/	Pass
					4.2	-3.046	-0.0017	/	Pass
				-30	3.8	-2.884	-0.0016	/	Pass
				-20	3.8	-3.984	-0.0023	/	Pass
				-10	3.8	-3.517	-0.0020	/	Pass
				0	3.8	-3.273	-0.0019	/	Pass
				10	3.8	-2.507	-0.0014	/	Pass
				30	3.8	-1.977	-0.0011	/	Pass
				40	3.8	-2.298	-0.0013	/	Pass
				50	3.8	-3.358	-0.0019	/	Pass
16QAM	1710.7	6	0	20	3.4	0.292	0.0002	/	Pass
					3.8	1.499	0.0009	/	Pass
					4.2	-0.913	-0.0005	/	Pass
				-30	3.8	1.436	0.0008	/	Pass
				-20	3.8	0.021	0.0000	/	Pass
				-10	3.8	1.674	0.0010	/	Pass
				0	3.8	0.568	0.0003	/	Pass
				10	3.8	1.259	0.0007	/	Pass
				30	3.8	0.582	0.0003	/	Pass
				40	3.8	0.721	0.0004	/	Pass
				50	3.8	0.745	0.0004	/	Pass
	1732.5	6	0	20	3.4	-0.202	-0.0001	/	Pass
					3.8	0.419	0.0002	/	Pass
					4.2	0.474	0.0003	/	Pass
				-30	3.8	-0.454	-0.0003	/	Pass

				-20	3.8	0.890	0.0005	/	Pass
				-10	3.8	0.379	0.0002	/	Pass
				0	3.8	-0.357	-0.0002	/	Pass
				10	3.8	1.852	0.0011	/	Pass
				30	3.8	0.928	0.0005	/	Pass
				40	3.8	-0.469	-0.0003	/	Pass
				50	3.8	0.251	0.0001	/	Pass
	1754.3	6	0	20	3.4	-2.041	-0.0012	/	Pass
					3.8	-2.312	-0.0013	/	Pass
					4.2	-2.390	-0.0014	/	Pass
				-30	3.8	-2.586	-0.0015	/	Pass
				-20	3.8	-3.585	-0.0020	/	Pass
				-10	3.8	-2.219	-0.0013	/	Pass
				0	3.8	-3.975	-0.0023	/	Pass
				10	3.8	-2.874	-0.0016	/	Pass
				30	3.8	-4.355	-0.0025	/	Pass
				40	3.8	-3.649	-0.0021	/	Pass
				50	3.8	-3.095	-0.0018	/	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	3.4	-0.407	-0.0002	/	Pass
					3.8	0.145	0.0001	/	Pass
					4.2	0.581	0.0003	/	Pass
				-30	3.8	-0.947	-0.0006	/	Pass
				-20	3.8	0.483	0.0003	/	Pass
				-10	3.8	-0.087	-0.0001	/	Pass
				0	3.8	-0.811	-0.0005	/	Pass
				10	3.8	0.546	0.0003	/	Pass
				30	3.8	0.885	0.0005	/	Pass
				40	3.8	-0.034	0.0000	/	Pass
				50	3.8	0.876	0.0005	/	Pass
	1732.5	15	0	20	3.4	0.140	0.0001	/	Pass
					3.8	-0.030	0.0000	/	Pass
					4.2	-0.319	-0.0002	/	Pass
				-30	3.8	-0.689	-0.0004	/	Pass
				-20	3.8	0.587	0.0003	/	Pass
				-10	3.8	1.381	0.0008	/	Pass
				0	3.8	-0.110	-0.0001	/	Pass
				10	3.8	-0.231	-0.0001	/	Pass
				30	3.8	-1.362	-0.0008	/	Pass
				40	3.8	-0.303	-0.0002	/	Pass
				50	3.8	1.140	0.0007	/	Pass
	1753.5	15	0	20	3.4	1.098	0.0006	/	Pass
					3.8	-0.624	-0.0004	/	Pass
					4.2	0.679	0.0004	/	Pass
				-30	3.8	1.527	0.0009	/	Pass
				-20	3.8	0.563	0.0003	/	Pass
				-10	3.8	-0.432	-0.0002	/	Pass
				0	3.8	1.004	0.0006	/	Pass
				10	3.8	-0.875	-0.0005	/	Pass
				30	3.8	-0.137	-0.0001	/	Pass
				40	3.8	1.245	0.0007	/	Pass
				50	3.8	0.741	0.0004	/	Pass
16QAM	1711.5	15	0	20	3.4	0.680	0.0004	/	Pass
					3.8	1.089	0.0006	/	Pass

					4.2	0.576	0.0003	/	Pass
				-30	3.8	-0.977	-0.0006	/	Pass
				-20	3.8	-0.767	-0.0004	/	Pass
				-10	3.8	0.624	0.0004	/	Pass
				0	3.8	-1.359	-0.0008	/	Pass
				10	3.8	0.085	0.0000	/	Pass
				30	3.8	0.534	0.0003	/	Pass
				40	3.8	-0.369	-0.0002	/	Pass
				50	3.8	-0.116	-0.0001	/	Pass
	1732.5	15	0	20	3.4	1.077	0.0006	/	Pass
					3.8	0.723	0.0004	/	Pass
					4.2	1.792	0.0010	/	Pass
				-30	3.8	0.507	0.0003	/	Pass
				-20	3.8	1.029	0.0006	/	Pass
				-10	3.8	-0.224	-0.0001	/	Pass
				0	3.8	-0.244	-0.0001	/	Pass
				10	3.8	1.403	0.0008	/	Pass
				30	3.8	0.399	0.0002	/	Pass
				40	3.8	2.103	0.0012	/	Pass
				50	3.8	1.405	0.0008	/	Pass
	1753.5	15	0	20	3.4	-1.347	-0.0008	/	Pass
					3.8	0.363	0.0002	/	Pass
					4.2	0.563	0.0003	/	Pass
				-30	3.8	0.430	0.0002	/	Pass
				-20	3.8	0.350	0.0002	/	Pass
				-10	3.8	0.008	0.0000	/	Pass
				0	3.8	-0.713	-0.0004	/	Pass
				10	3.8	0.465	0.0003	/	Pass
				30	3.8	0.559	0.0003	/	Pass
				40	3.8	0.882	0.0005	/	Pass
				50	3.8	-0.057	0.0000	/	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	3.4	0.804	0.0005	/	Pass
					3.8	2.212	0.0013	/	Pass
					4.2	1.993	0.0012	/	Pass
				-30	3.8	0.155	0.0001	/	Pass
				-20	3.8	1.685	0.0010	/	Pass
				-10	3.8	2.361	0.0014	/	Pass
				0	3.8	0.195	0.0001	/	Pass
				10	3.8	0.862	0.0005	/	Pass
				30	3.8	1.085	0.0006	/	Pass
				40	3.8	0.477	0.0003	/	Pass
				50	3.8	1.567	0.0009	/	Pass
	1732.5	25	0	20	3.4	0.166	0.0001	/	Pass
					3.8	1.566	0.0009	/	Pass
					4.2	1.002	0.0006	/	Pass
				-30	3.8	1.568	0.0009	/	Pass
				-20	3.8	1.746	0.0010	/	Pass
				-10	3.8	-0.424	-0.0002	/	Pass
				0	3.8	-0.102	-0.0001	/	Pass
				10	3.8	-0.609	-0.0004	/	Pass
				30	3.8	-0.219	-0.0001	/	Pass
				40	3.8	0.258	0.0001	/	Pass
				50	3.8	0.860	0.0005	/	Pass

	1752.5	25	0	20	3.4	-3.424	-0.0020	/	Pass
					3.8	-2.547	-0.0015	/	Pass
					4.2	-2.682	-0.0015	/	Pass
				-30	3.8	-4.034	-0.0023	/	Pass
				-20	3.8	-4.306	-0.0025	/	Pass
				-10	3.8	-2.669	-0.0015	/	Pass
				0	3.8	-3.054	-0.0017	/	Pass
				10	3.8	-2.762	-0.0016	/	Pass
				30	3.8	-3.020	-0.0017	/	Pass
				40	3.8	-3.262	-0.0019	/	Pass
				50	3.8	-2.511	-0.0014	/	Pass
16QAM	1712.5	25	0	20	3.4	2.422	0.0014	/	Pass
					3.8	2.868	0.0017	/	Pass
					4.2	1.566	0.0009	/	Pass
				-30	3.8	1.665	0.0010	/	Pass
				-20	3.8	1.413	0.0008	/	Pass
				-10	3.8	2.573	0.0015	/	Pass
				0	3.8	2.113	0.0012	/	Pass
				10	3.8	3.024	0.0018	/	Pass
				30	3.8	2.919	0.0017	/	Pass
				40	3.8	0.600	0.0004	/	Pass
				50	3.8	2.084	0.0012	/	Pass
	1732.5	25	0	20	3.4	0.472	0.0003	/	Pass
					3.8	-1.014	-0.0006	/	Pass
					4.2	0.298	0.0002	/	Pass
				-30	3.8	1.522	0.0009	/	Pass
				-20	3.8	1.085	0.0006	/	Pass
				-10	3.8	1.139	0.0007	/	Pass
				0	3.8	1.403	0.0008	/	Pass
				10	3.8	0.651	0.0004	/	Pass
				30	3.8	-0.511	-0.0003	/	Pass
				40	3.8	-0.726	-0.0004	/	Pass
				50	3.8	-0.116	-0.0001	/	Pass
	1752.5	25	0	20	3.4	-2.707	-0.0015	/	Pass
					3.8	-1.661	-0.0009	/	Pass
					4.2	-1.997	-0.0011	/	Pass
				-30	3.8	-2.588	-0.0015	/	Pass
				-20	3.8	-3.051	-0.0017	/	Pass
				-10	3.8	-3.644	-0.0021	/	Pass
				0	3.8	-2.932	-0.0017	/	Pass
				10	3.8	-3.907	-0.0022	/	Pass
				30	3.8	-1.709	-0.0010	/	Pass
				40	3.8	-2.252	-0.0013	/	Pass
				50	3.8	-2.289	-0.0013	/	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	3.4	-1.710	-0.0010	/	Pass
					3.8	-2.233	-0.0013	/	Pass
					4.2	-3.347	-0.0020	/	Pass
				-30	3.8	-3.411	-0.0020	/	Pass
				-20	3.8	-3.700	-0.0022	/	Pass
				-10	3.8	-1.421	-0.0008	/	Pass
				0	3.8	-3.718	-0.0022	/	Pass
				10	3.8	-1.668	-0.0010	/	Pass
				30	3.8	-2.537	-0.0015	/	Pass

				40	3.8	-2.619	-0.0015	/	Pass
				50	3.8	-2.255	-0.0013	/	Pass
	1732.5	50	0	20	3.4	0.017	0.0000	/	Pass
					3.8	1.247	0.0007	/	Pass
					4.2	1.178	0.0007	/	Pass
				-30	3.8	0.315	0.0002	/	Pass
				-20	3.8	0.413	0.0002	/	Pass
				-10	3.8	1.010	0.0006	/	Pass
				0	3.8	0.111	0.0001	/	Pass
				10	3.8	0.464	0.0003	/	Pass
				30	3.8	1.436	0.0008	/	Pass
				40	3.8	1.564	0.0009	/	Pass
				50	3.8	-0.917	-0.0005	/	Pass
	1750	50	0	20	3.4	1.465	0.0008	/	Pass
					3.8	1.741	0.0010	/	Pass
					4.2	1.879	0.0011	/	Pass
				-30	3.8	1.516	0.0009	/	Pass
				-20	3.8	0.940	0.0005	/	Pass
				-10	3.8	1.991	0.0011	/	Pass
				0	3.8	2.078	0.0012	/	Pass
				10	3.8	1.109	0.0006	/	Pass
				30	3.8	0.369	0.0002	/	Pass
				40	3.8	0.976	0.0006	/	Pass
				50	3.8	1.075	0.0006	/	Pass
16QAM	1715	50	0	20	3.4	-3.635	-0.0021	/	Pass
					3.8	-2.776	-0.0016	/	Pass
					4.2	-3.424	-0.0020	/	Pass
				-30	3.8	-2.206	-0.0013	/	Pass
				-20	3.8	-2.800	-0.0016	/	Pass
				-10	3.8	-2.902	-0.0017	/	Pass
				0	3.8	-1.311	-0.0008	/	Pass
				10	3.8	-3.038	-0.0018	/	Pass
				30	3.8	-2.993	-0.0017	/	Pass
				40	3.8	-2.055	-0.0012	/	Pass
				50	3.8	-3.508	-0.0020	/	Pass
	1732.5	50	0	20	3.4	0.317	0.0002	/	Pass
					3.8	0.990	0.0006	/	Pass
					4.2	0.811	0.0005	/	Pass
				-30	3.8	1.575	0.0009	/	Pass
				-20	3.8	2.035	0.0012	/	Pass
				-10	3.8	-0.097	-0.0001	/	Pass
				0	3.8	1.663	0.0010	/	Pass
				10	3.8	0.019	0.0000	/	Pass
				30	3.8	-1.208	-0.0007	/	Pass
				40	3.8	0.989	0.0006	/	Pass
				50	3.8	2.898	0.0017	/	Pass
	1750	50	0	20	3.4	3.101	0.0018	/	Pass
					3.8	2.080	0.0012	/	Pass
					4.2	1.045	0.0006	/	Pass
				-30	3.8	1.764	0.0010	/	Pass
				-20	3.8	1.504	0.0009	/	Pass
				-10	3.8	1.611	0.0009	/	Pass
				0	3.8	2.643	0.0015	/	Pass
				10	3.8	1.758	0.0010	/	Pass
				30	3.8	1.333	0.0008	/	Pass
				40	3.8	1.294	0.0007	/	Pass
				50	3.8	2.693	0.0015	/	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	3.4	-0.759	-0.0004	/	Pass
					3.8	0.225	0.0001	/	Pass
					4.2	-0.129	-0.0001	/	Pass
				-30	3.8	0.680	0.0004	/	Pass
				-20	3.8	-0.122	-0.0001	/	Pass
				-10	3.8	-0.705	-0.0004	/	Pass
				0	3.8	0.479	0.0003	/	Pass
				10	3.8	0.817	0.0005	/	Pass
				30	3.8	0.923	0.0005	/	Pass
				40	3.8	0.734	0.0004	/	Pass
				50	3.8	0.215	0.0001	/	Pass
	1732.5	75	0	20	3.4	0.648	0.0004	/	Pass
					3.8	-0.150	-0.0001	/	Pass
					4.2	-1.108	-0.0006	/	Pass
				-30	3.8	-0.614	-0.0004	/	Pass
				-20	3.8	0.513	0.0003	/	Pass
				-10	3.8	-0.212	-0.0001	/	Pass
				0	3.8	0.304	0.0002	/	Pass
				10	3.8	0.015	0.0000	/	Pass
				30	3.8	0.476	0.0003	/	Pass
				40	3.8	0.334	0.0002	/	Pass
				50	3.8	-1.262	-0.0007	/	Pass
	1747.5	75	0	20	3.4	1.745	0.0010	/	Pass
					3.8	1.372	0.0008	/	Pass
					4.2	-0.370	-0.0002	/	Pass
				-30	3.8	-0.866	-0.0005	/	Pass
				-20	3.8	0.604	0.0003	/	Pass
				-10	3.8	0.723	0.0004	/	Pass
				0	3.8	-0.781	-0.0004	/	Pass
				10	3.8	0.121	0.0001	/	Pass
				30	3.8	-0.840	-0.0005	/	Pass
				40	3.8	0.639	0.0004	/	Pass
				50	3.8	1.155	0.0007	/	Pass
16QAM	1717.5	75	0	20	3.4	0.141	0.0001	/	Pass
					3.8	-0.131	-0.0001	/	Pass
					4.2	0.237	0.0001	/	Pass
				-30	3.8	0.954	0.0006	/	Pass
				-20	3.8	-0.410	-0.0002	/	Pass
				-10	3.8	-0.652	-0.0004	/	Pass
				0	3.8	-0.983	-0.0006	/	Pass
				10	3.8	1.086	0.0006	/	Pass
				30	3.8	0.239	0.0001	/	Pass
				40	3.8	-0.544	-0.0003	/	Pass
				50	3.8	-0.254	-0.0001	/	Pass
	1732.5	75	0	20	3.4	1.220	0.0007	/	Pass
					3.8	0.588	0.0003	/	Pass
					4.2	0.271	0.0002	/	Pass
				-30	3.8	-0.063	0.0000	/	Pass
				-20	3.8	0.638	0.0004	/	Pass
				-10	3.8	-0.760	-0.0004	/	Pass
				0	3.8	-0.973	-0.0006	/	Pass
				10	3.8	0.636	0.0004	/	Pass
				30	3.8	-1.077	-0.0006	/	Pass
				40	3.8	-0.997	-0.0006	/	Pass
				50	3.8	1.333	0.0008	/	Pass
	1747.5	75	0	20	3.4	-0.557	-0.0003	/	Pass
					3.8	0.694	0.0004	/	Pass
					4.2	0.281	0.0002	/	Pass

				-30	3.8	0.195	0.0001	/	Pass
				-20	3.8	-1.296	-0.0007	/	Pass
				-10	3.8	-0.871	-0.0005	/	Pass
				0	3.8	1.245	0.0007	/	Pass
				10	3.8	-0.530	-0.0003	/	Pass
				30	3.8	0.311	0.0002	/	Pass
				40	3.8	0.725	0.0004	/	Pass
				50	3.8	0.523	0.0003	/	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	3.4	2.541	0.0015	/	Pass
					3.8	1.582	0.0009	/	Pass
					4.2	1.684	0.0010	/	Pass
				-30	3.8	3.331	0.0019	/	Pass
				-20	3.8	1.744	0.0010	/	Pass
				-10	3.8	1.952	0.0011	/	Pass
				0	3.8	0.602	0.0004	/	Pass
				10	3.8	0.802	0.0005	/	Pass
				30	3.8	2.129	0.0012	/	Pass
				40	3.8	1.726	0.0010	/	Pass
				50	3.8	0.560	0.0003	/	Pass
	1732.5	100	0	20	3.4	0.260	0.0002	/	Pass
					3.8	1.333	0.0008	/	Pass
					4.2	0.120	0.0001	/	Pass
				-30	3.8	-0.419	-0.0002	/	Pass
				-20	3.8	-0.418	-0.0002	/	Pass
				-10	3.8	0.407	0.0002	/	Pass
				0	3.8	-0.016	0.0000	/	Pass
				10	3.8	0.061	0.0000	/	Pass
				30	3.8	0.766	0.0004	/	Pass
				40	3.8	1.450	0.0008	/	Pass
				50	3.8	0.487	0.0003	/	Pass
	1745	100	0	20	3.4	-2.583	-0.0015	/	Pass
					3.8	-2.507	-0.0014	/	Pass
					4.2	-3.189	-0.0018	/	Pass
				-30	3.8	-2.291	-0.0013	/	Pass
				-20	3.8	-1.673	-0.0010	/	Pass
				-10	3.8	-2.067	-0.0012	/	Pass
				0	3.8	-2.403	-0.0014	/	Pass
				10	3.8	-3.031	-0.0017	/	Pass
				30	3.8	-2.935	-0.0017	/	Pass
				40	3.8	-3.225	-0.0018	/	Pass
				50	3.8	-2.537	-0.0015	/	Pass
16QAM	1720	100	0	20	3.4	1.537	0.0009	/	Pass
					3.8	1.443	0.0008	/	Pass
					4.2	1.567	0.0009	/	Pass
				-30	3.8	0.472	0.0003	/	Pass
				-20	3.8	0.271	0.0002	/	Pass
				-10	3.8	0.604	0.0004	/	Pass
				0	3.8	1.623	0.0009	/	Pass
				10	3.8	2.353	0.0014	/	Pass
				30	3.8	2.418	0.0014	/	Pass
				40	3.8	2.625	0.0015	/	Pass
				50	3.8	1.476	0.0009	/	Pass
	1732.5	100	0	20	3.4	-0.033	0.0000	/	Pass

					3.8	0.728	0.0004	/	Pass
					4.2	1.080	0.0006	/	Pass
				-30	3.8	-0.095	-0.0001	/	Pass
				-20	3.8	0.125	0.0001	/	Pass
				-10	3.8	-2.070	-0.0012	/	Pass
				0	3.8	-0.334	-0.0002	/	Pass
				10	3.8	1.594	0.0009	/	Pass
				30	3.8	-0.671	-0.0004	/	Pass
				40	3.8	0.344	0.0002	/	Pass
				50	3.8	1.604	0.0009	/	Pass
	1745	100	0	20	3.4	-2.757	-0.0016	/	Pass
					3.8	-1.328	-0.0008	/	Pass
					4.2	-3.386	-0.0019	/	Pass
				-30	3.8	-3.358	-0.0019	/	Pass
				-20	3.8	-3.612	-0.0021	/	Pass
				-10	3.8	-3.817	-0.0022	/	Pass
				0	3.8	-2.433	-0.0014	/	Pass
				10	3.8	-1.115	-0.0006	/	Pass
				30	3.8	-2.410	-0.0014	/	Pass
				40	3.8	-2.799	-0.0016	/	Pass
				50	3.8	-2.493	-0.0014	/	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 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	1.110	/	Pass
		1732.5	6	0	1.116	/	Pass
		1754.3	6	0	1.122	/	Pass
	16QAM	1710.7	6	0	1.113	/	Pass
		1732.5	6	0	1.117	/	Pass
		1754.3	6	0	1.114	/	Pass
3	QPSK	1711.5	15	0	2.747	/	Pass
		1732.5	15	0	2.735	/	Pass
		1753.5	15	0	2.752	/	Pass
	16QAM	1711.5	15	0	2.743	/	Pass
		1732.5	15	0	2.739	/	Pass
		1753.5	15	0	2.746	/	Pass
5	QPSK	1712.5	25	0	4.572	/	Pass
		1732.5	25	0	4.539	/	Pass
		1752.5	25	0	4.556	/	Pass
	16QAM	1712.5	25	0	4.535	/	Pass
		1732.5	25	0	4.551	/	Pass
		1752.5	25	0	4.570	/	Pass
10	QPSK	1715	50	0	9.021	/	Pass
		1732.5	50	0	9.023	/	Pass
		1750	50	0	9.051	/	Pass
	16QAM	1715	50	0	9.031	/	Pass
		1732.5	50	0	9.026	/	Pass
		1750	50	0	8.996	/	Pass
15	QPSK	1717.5	75	0	13.511	/	Pass
		1732.5	75	0	13.548	/	Pass
		1747.5	75	0	13.561	/	Pass
	16QAM	1717.5	75	0	13.520	/	Pass
		1732.5	75	0	13.558	/	Pass
		1747.5	75	0	13.547	/	Pass
20	QPSK	1720	100	0	17.948	/	Pass
		1732.5	100	0	18.084	/	Pass
		1745	100	0	18.028	/	Pass
	16QAM	1720	100	0	18.070	/	Pass
		1732.5	100	0	18.072	/	Pass
		1745	100	0	18.053	/	Pass

3.1.2 Band4_XDB

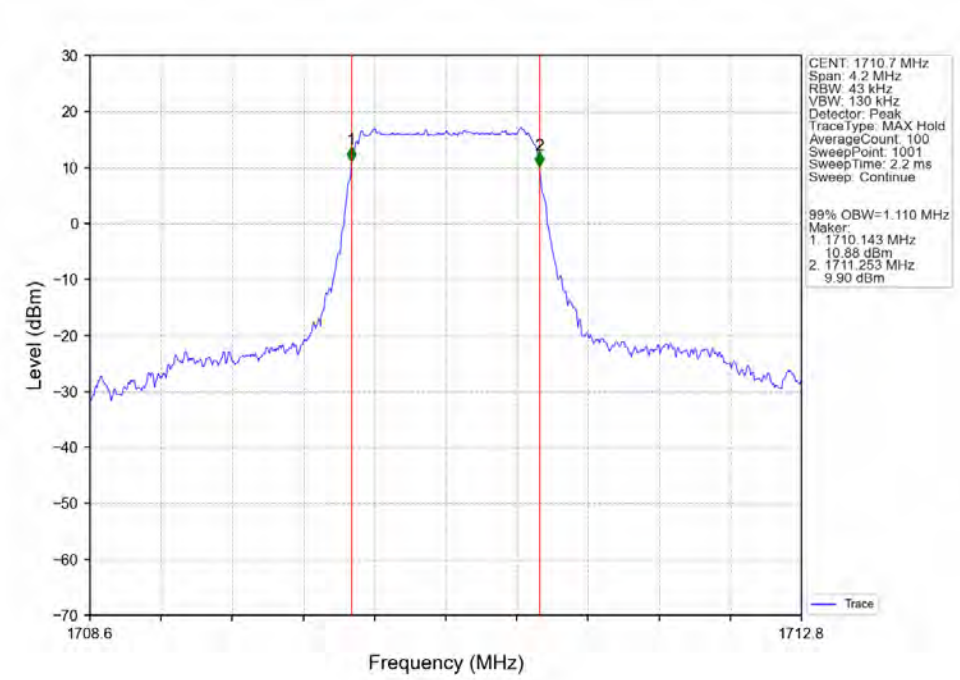
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.313	/	Pass
		1732.5	6	0	1.336	/	Pass
		1754.3	6	0	1.322	/	Pass
	16QAM	1710.7	6	0	1.310	/	Pass
		1732.5	6	0	1.315	/	Pass

		1754.3	6	0	1.356	/	Pass
3	QPSK	1711.5	15	0	3.035	/	Pass
		1732.5	15	0	3.038	/	Pass
		1753.5	15	0	3.069	/	Pass
	16QAM	1711.5	15	0	3.055	/	Pass
		1732.5	15	0	3.051	/	Pass
		1753.5	15	0	3.077	/	Pass
5	QPSK	1712.5	25	0	5.043	/	Pass
		1732.5	25	0	5.101	/	Pass
		1752.5	25	0	5.077	/	Pass
	16QAM	1712.5	25	0	5.079	/	Pass
		1732.5	25	0	5.085	/	Pass
		1752.5	25	0	5.101	/	Pass
10	QPSK	1715	50	0	10.053	/	Pass
		1732.5	50	0	10.057	/	Pass
		1750	50	0	10.035	/	Pass
	16QAM	1715	50	0	9.973	/	Pass
		1732.5	50	0	9.991	/	Pass
		1750	50	0	10.001	/	Pass
15	QPSK	1717.5	75	0	14.974	/	Pass
		1732.5	75	0	14.902	/	Pass
		1747.5	75	0	14.943	/	Pass
	16QAM	1717.5	75	0	14.907	/	Pass
		1732.5	75	0	14.953	/	Pass
		1747.5	75	0	14.908	/	Pass
20	QPSK	1720	100	0	19.677	/	Pass
		1732.5	100	0	19.801	/	Pass
		1745	100	0	19.785	/	Pass
	16QAM	1720	100	0	19.728	/	Pass
		1732.5	100	0	19.865	/	Pass
		1745	100	0	19.804	/	Pass

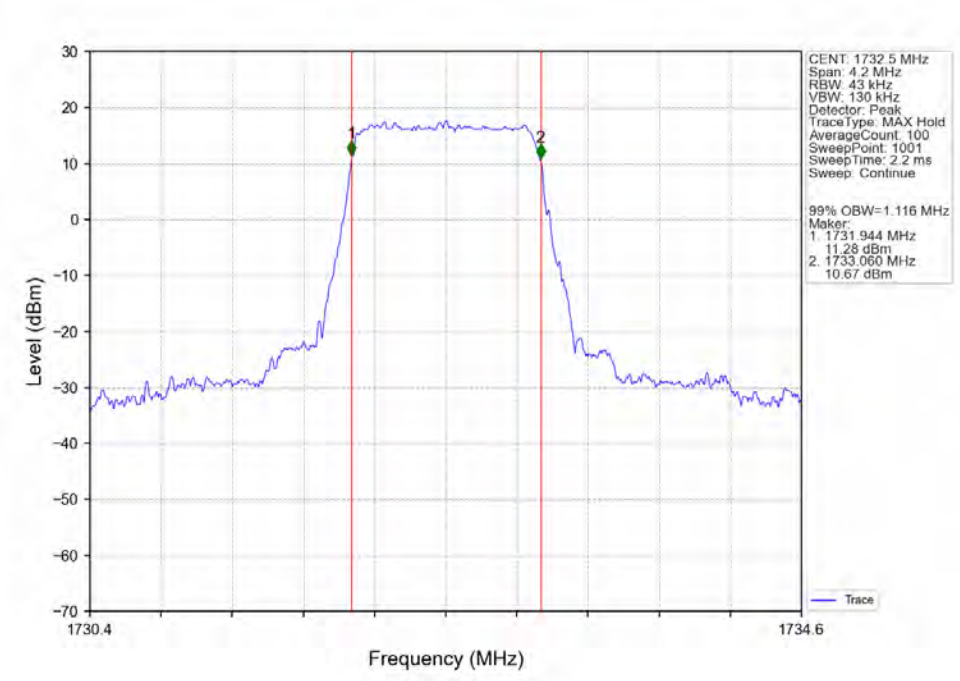
3.2 Test Graph

3.2.1 Band4_OBW

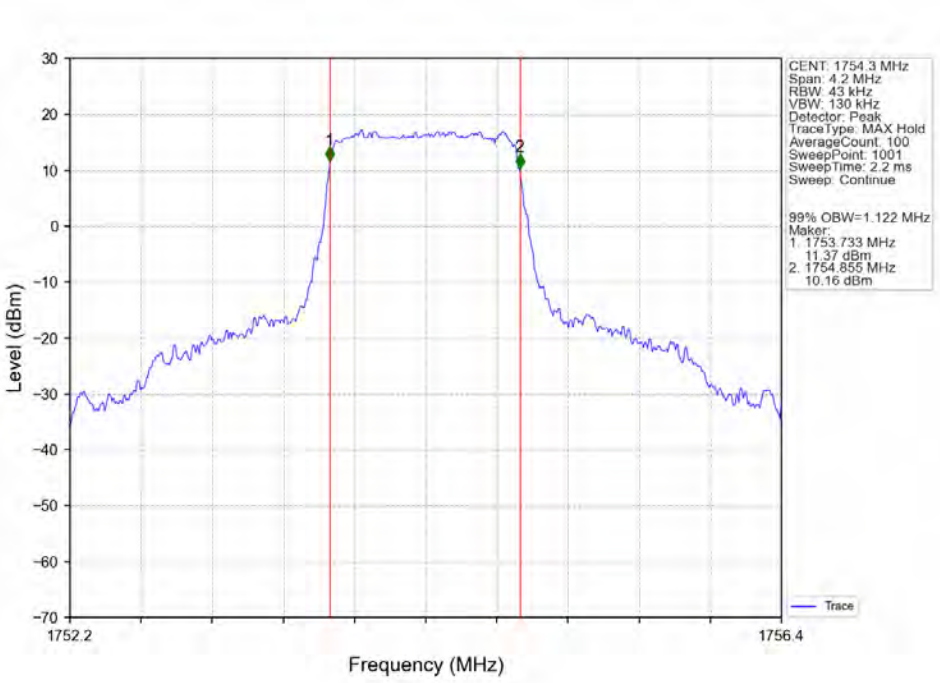
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



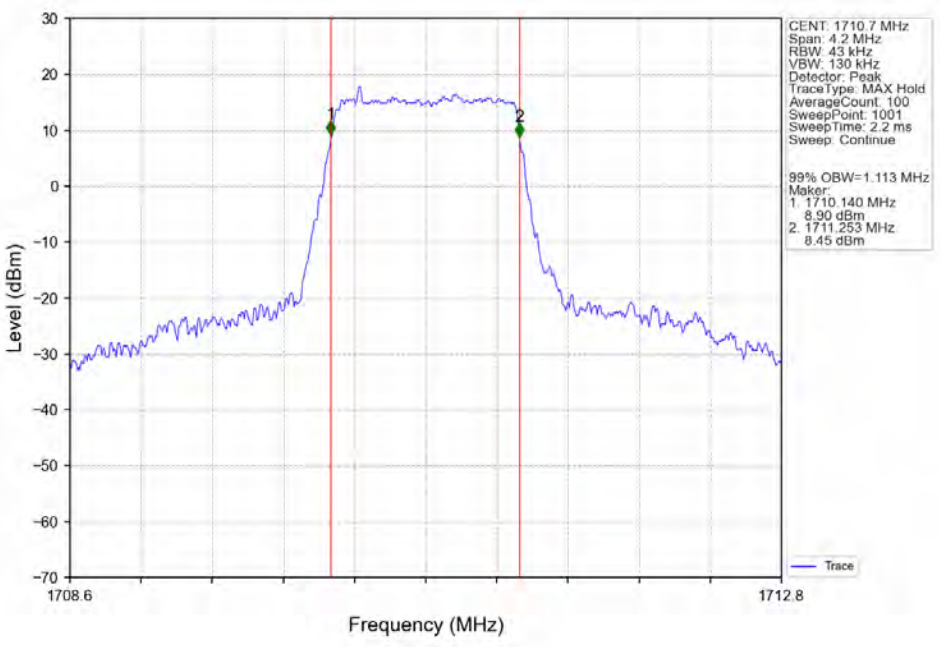
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



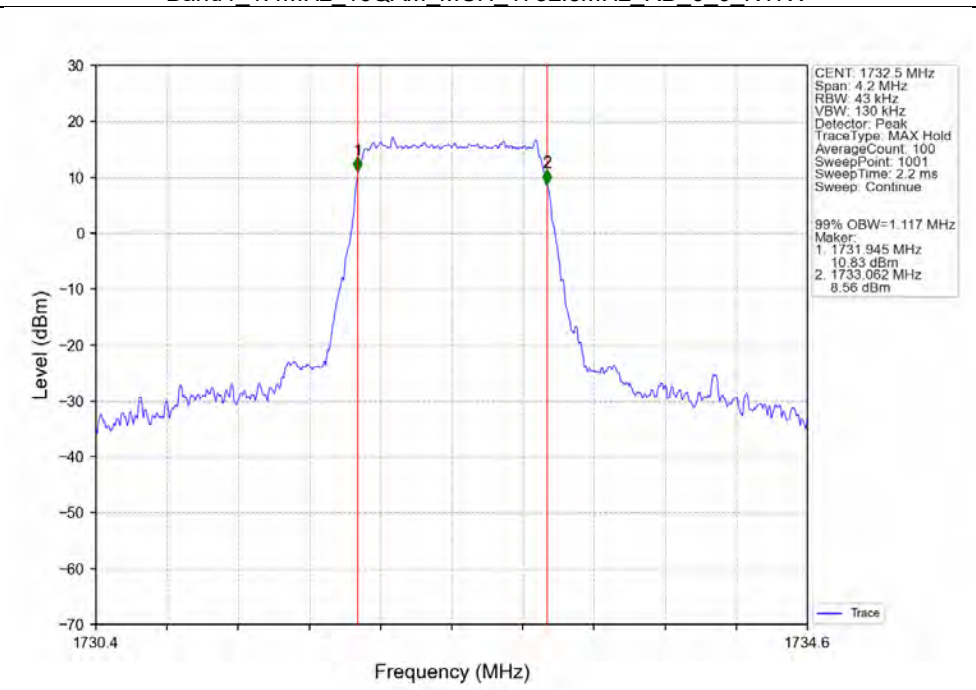
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



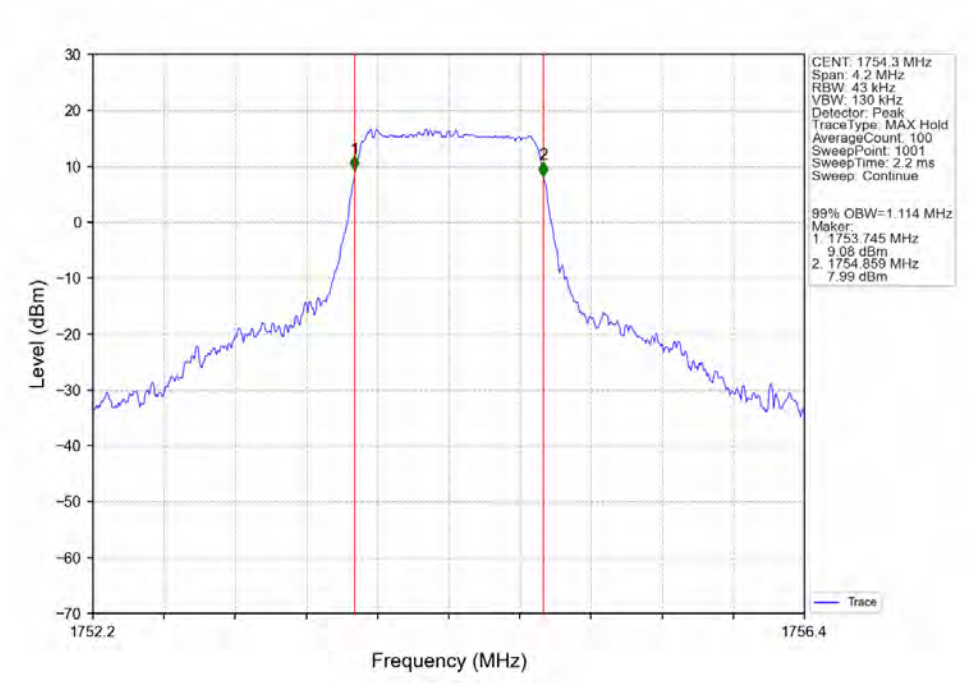
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



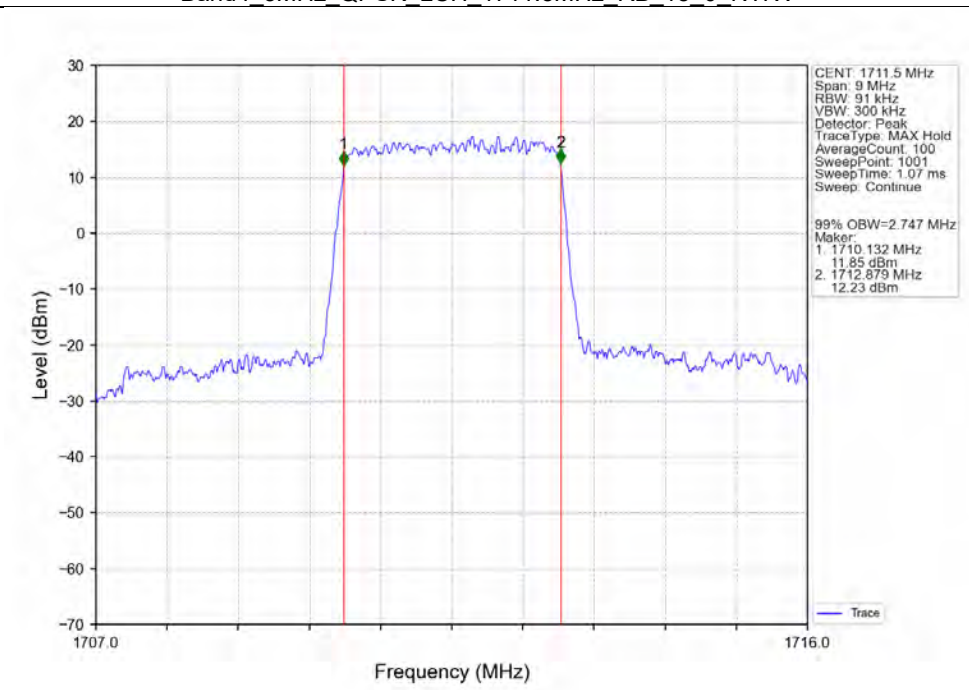
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



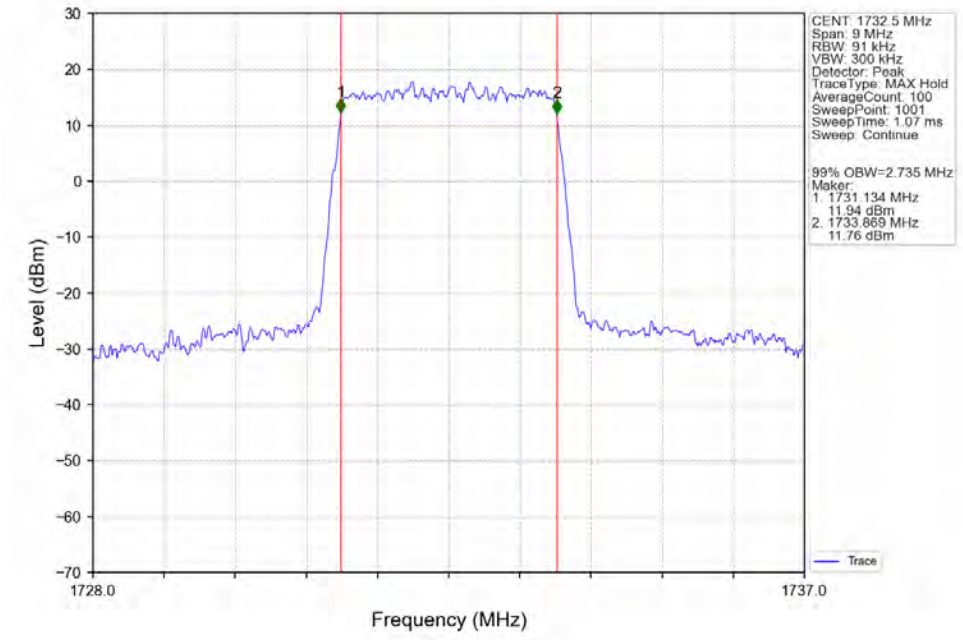
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



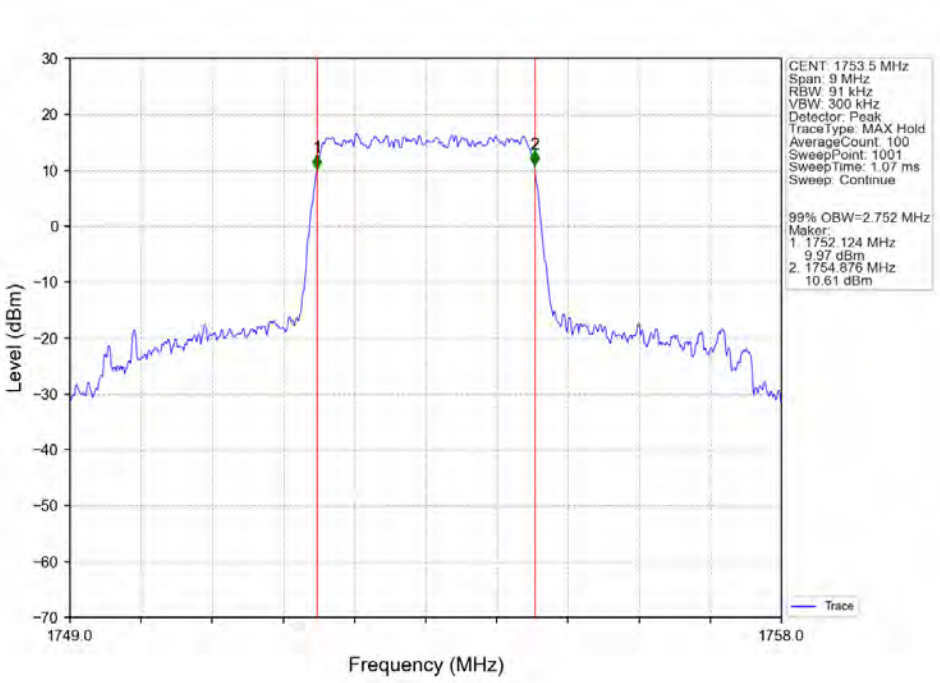
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



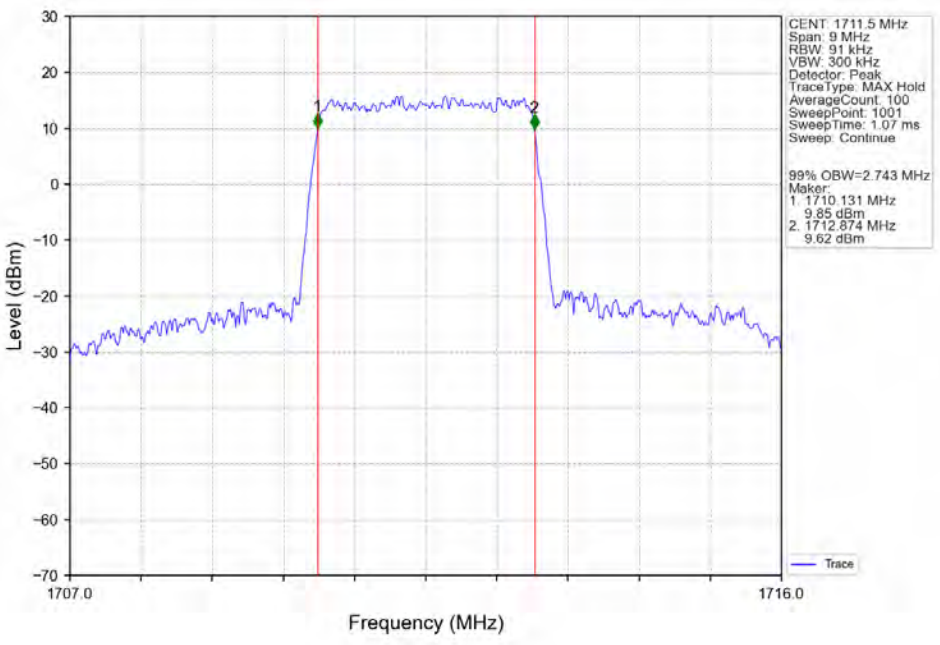
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



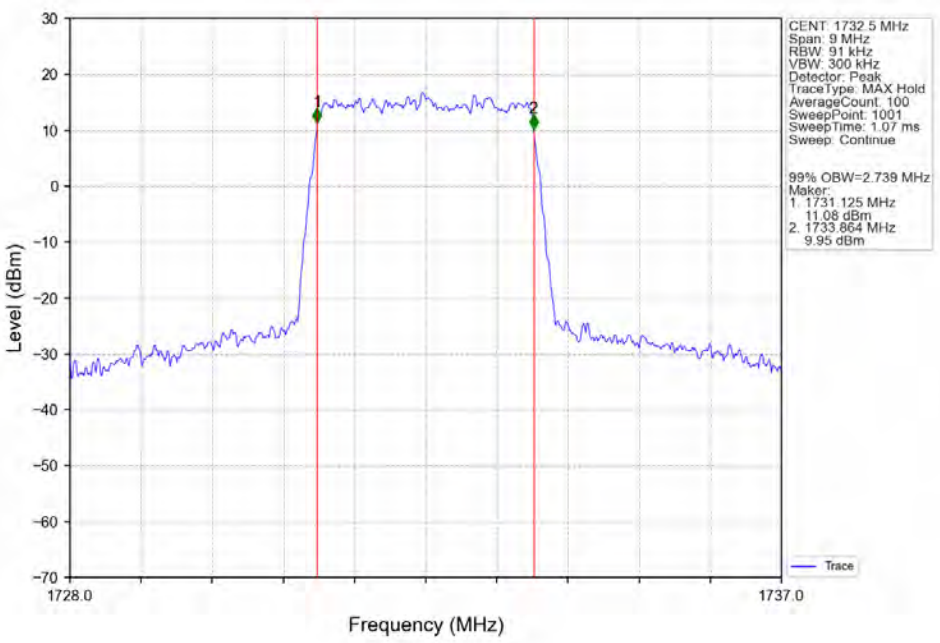
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



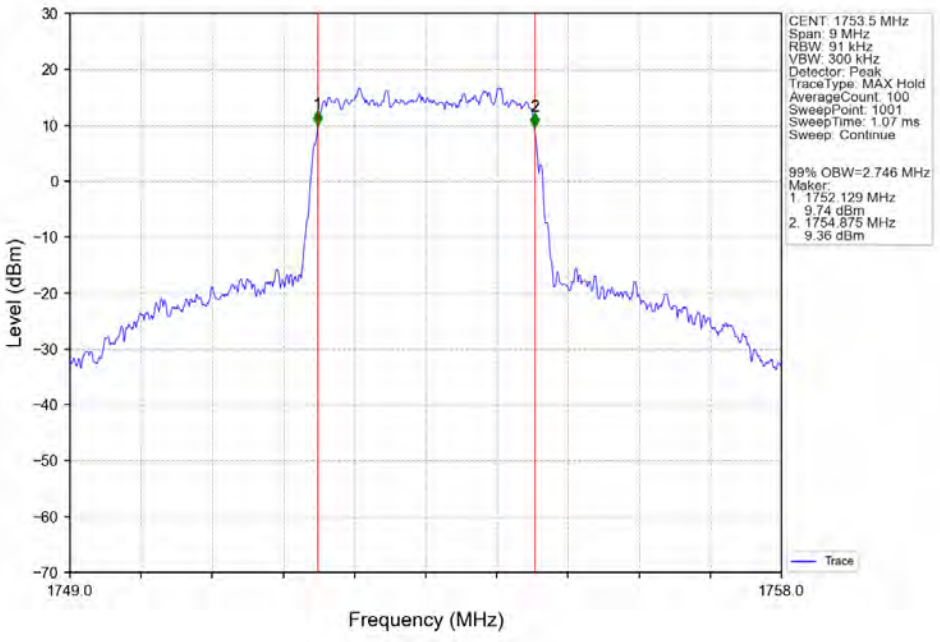
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



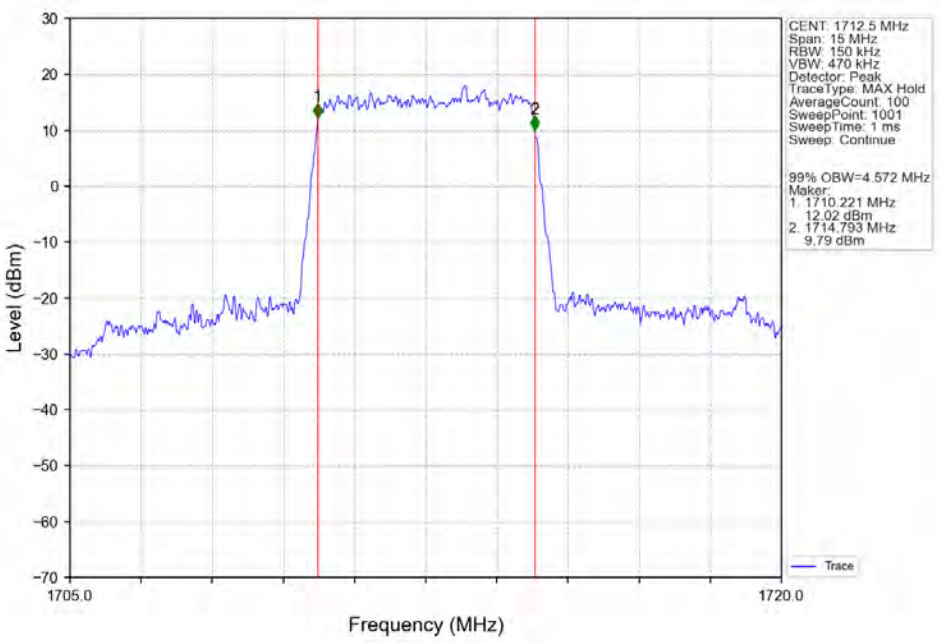
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



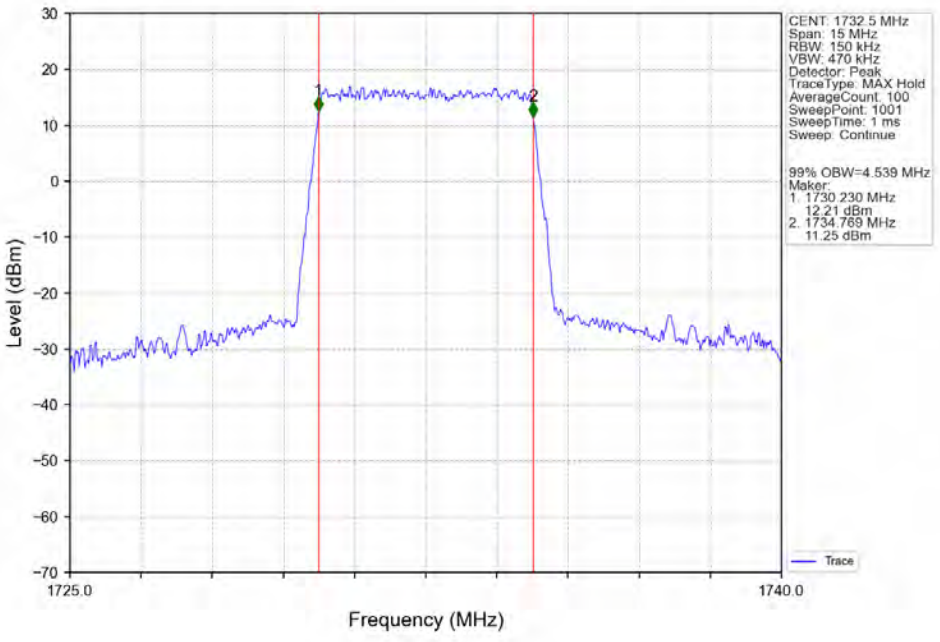
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



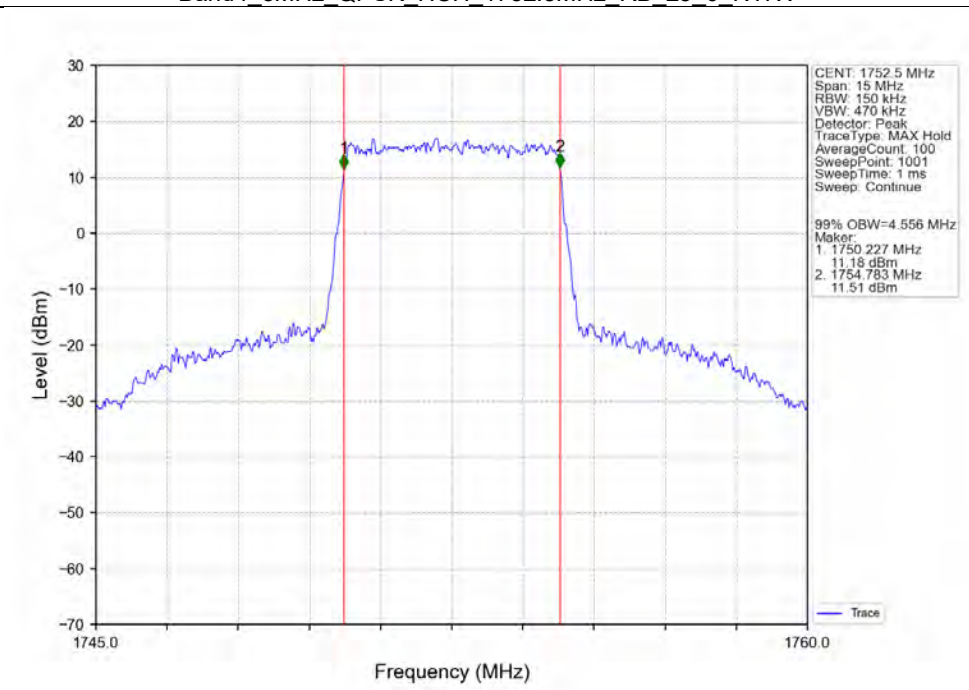
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



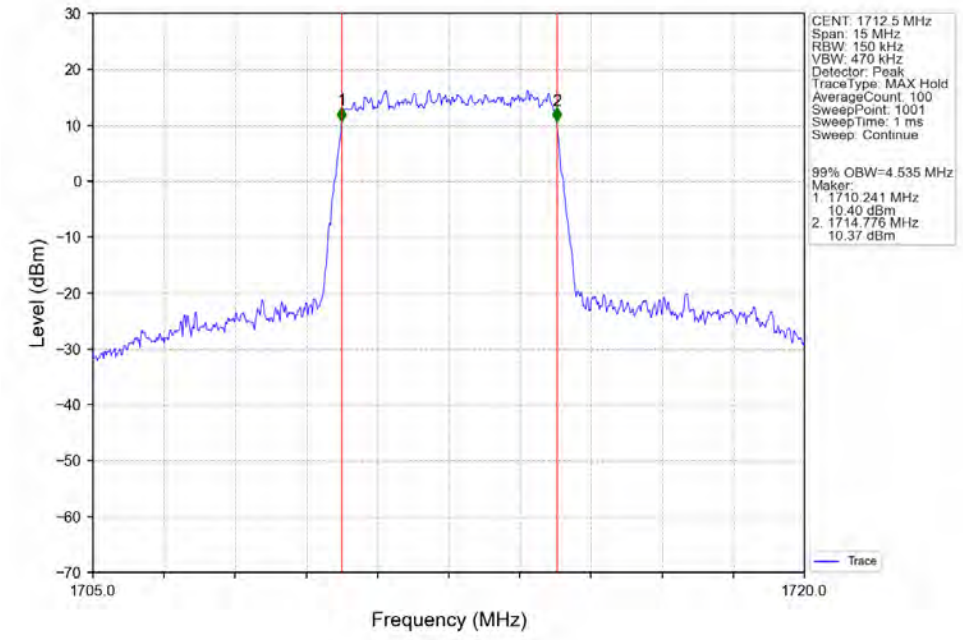
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



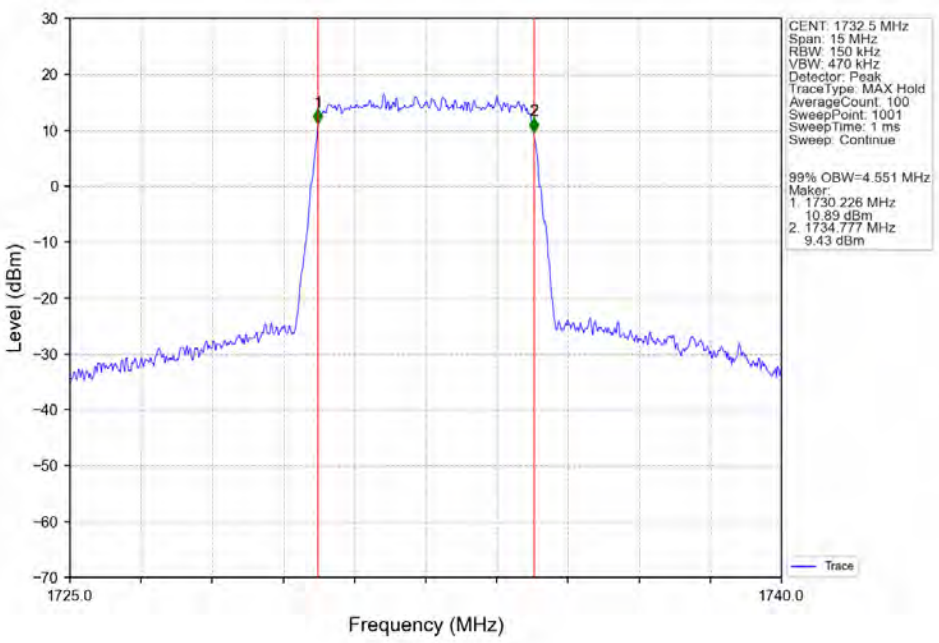
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



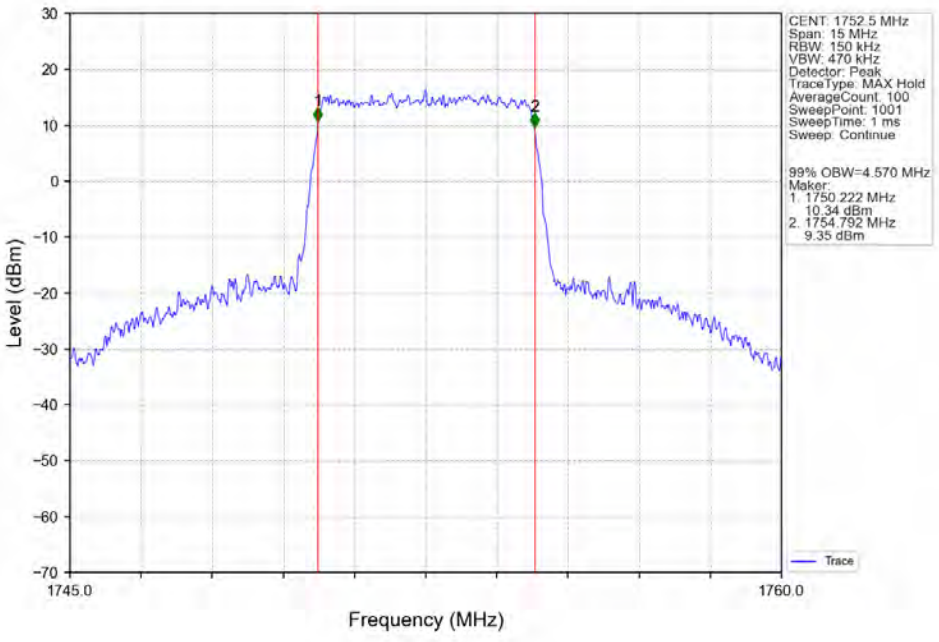
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



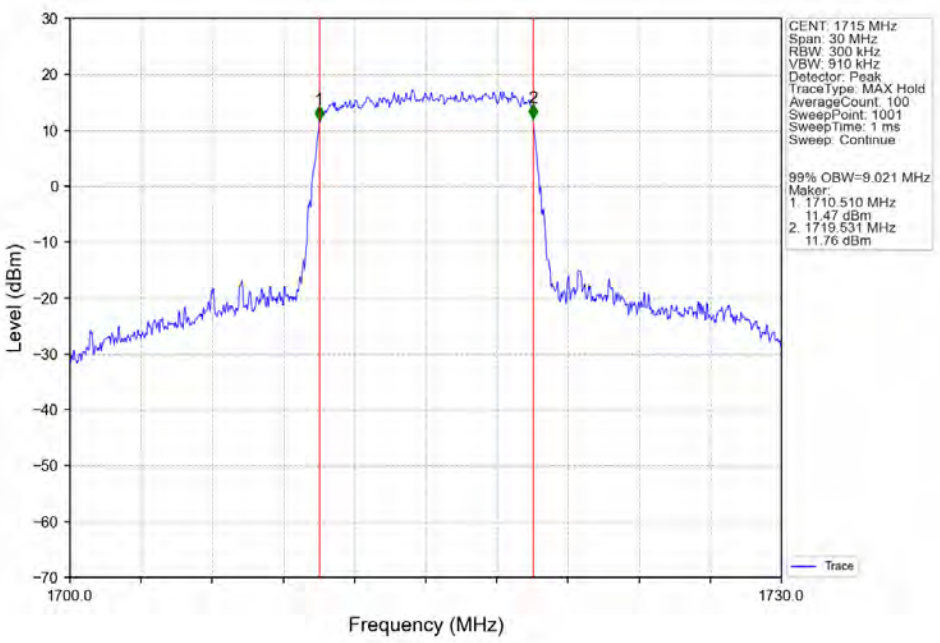
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



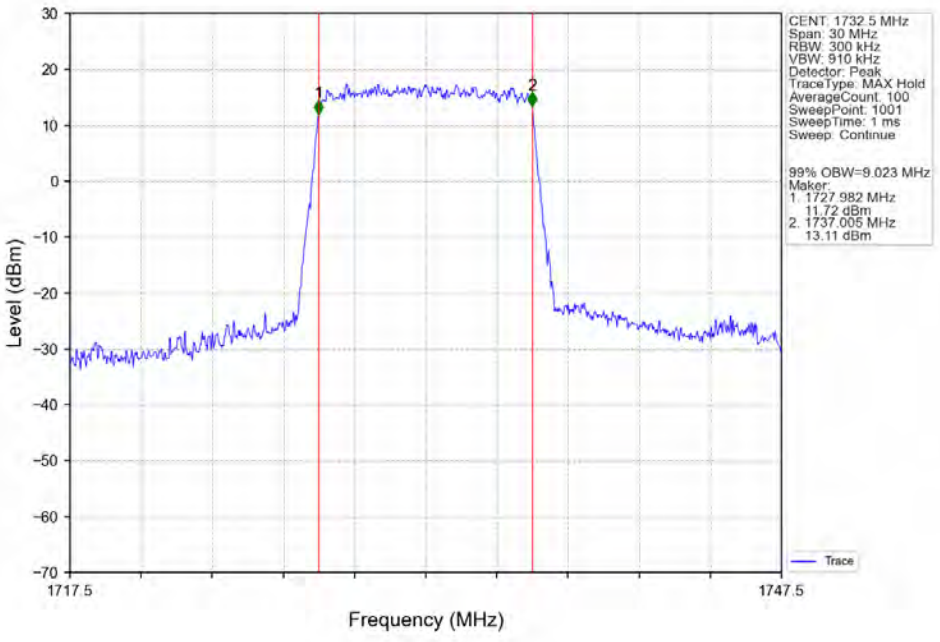
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



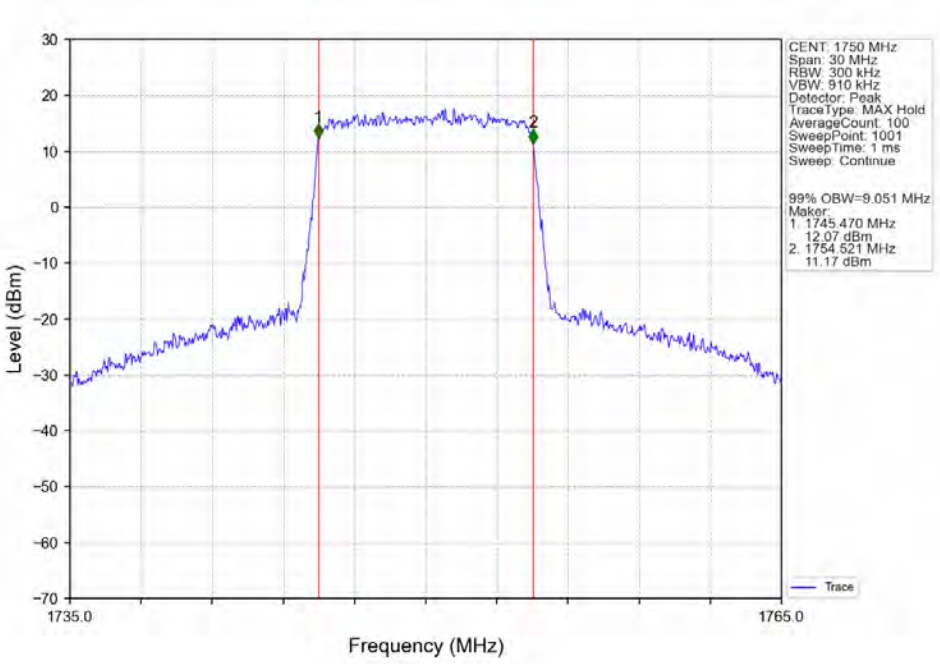
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



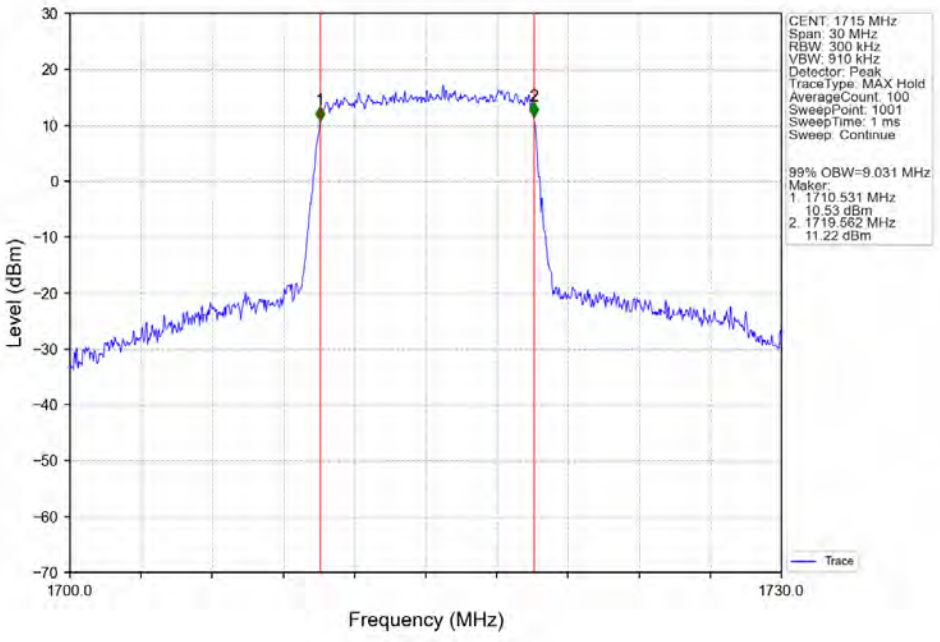
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



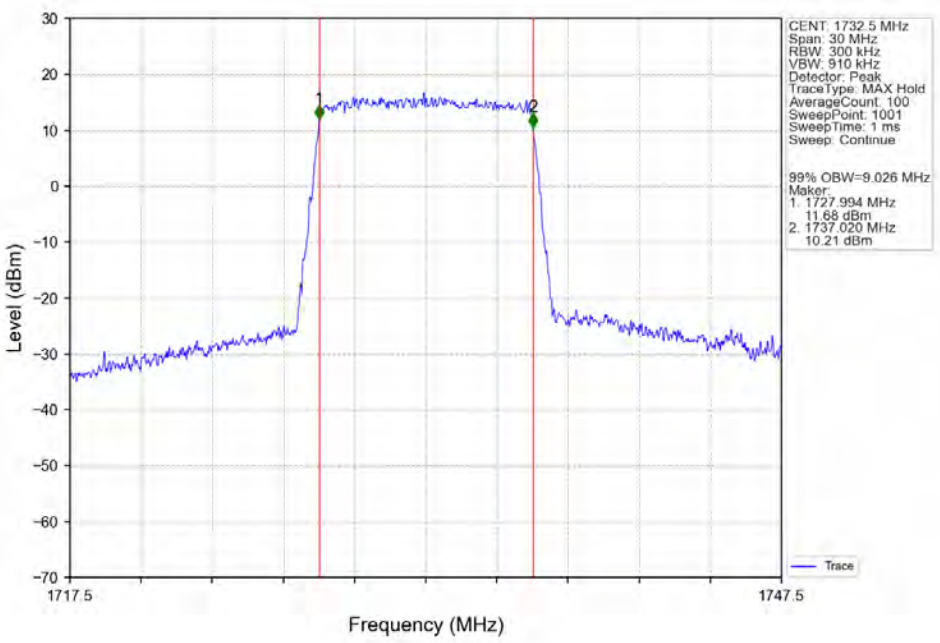
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



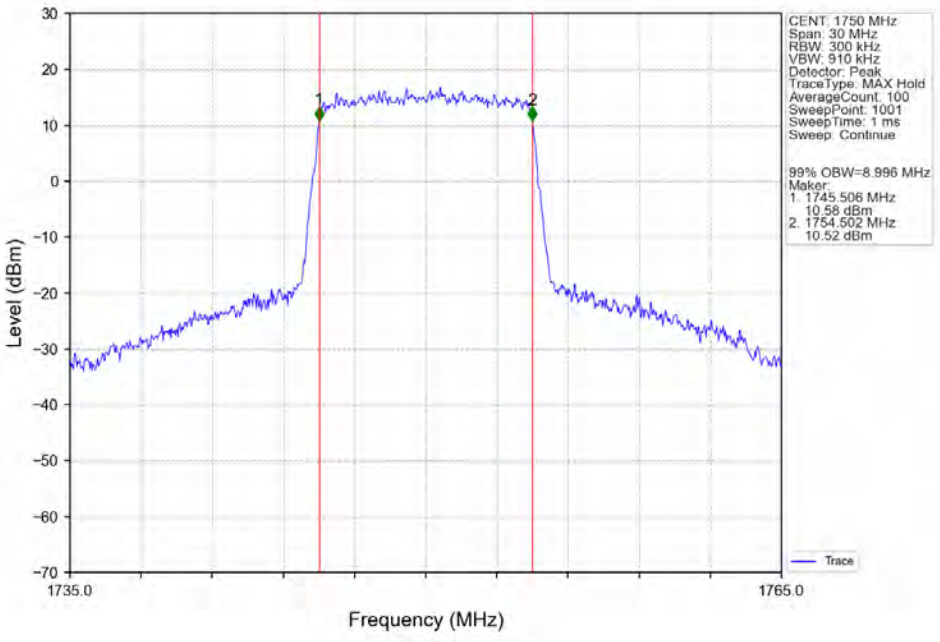
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



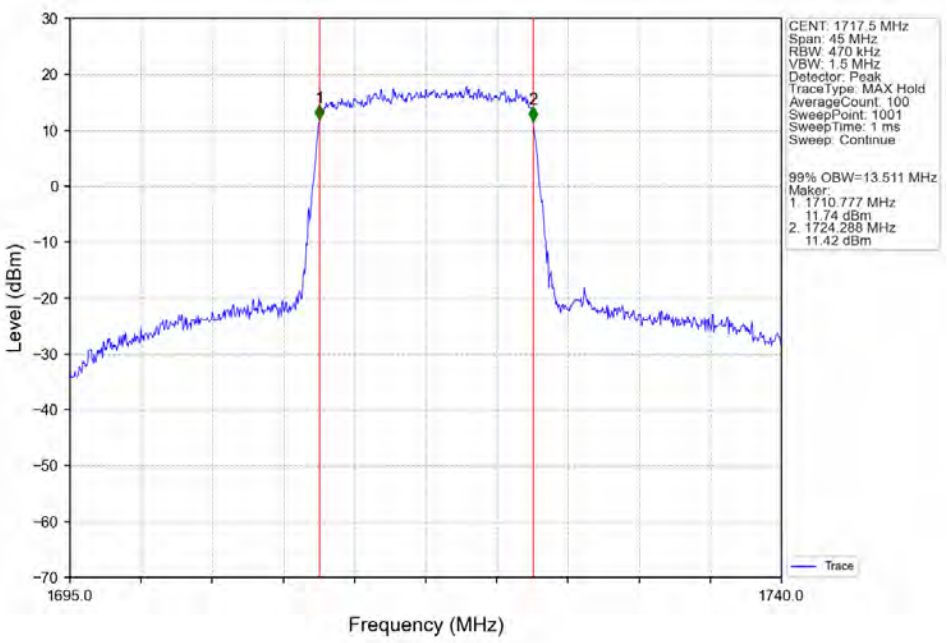
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



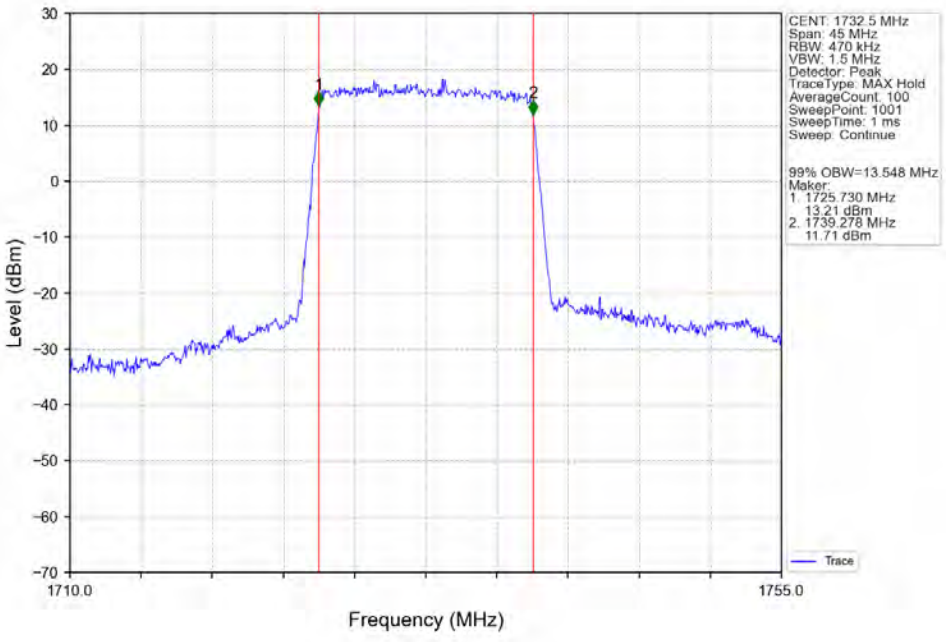
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



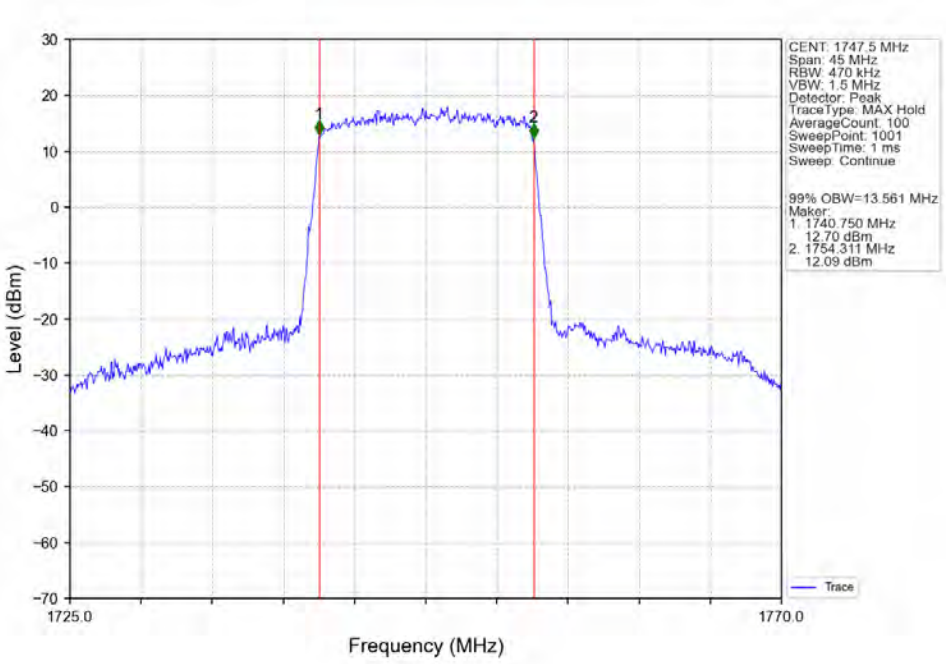
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



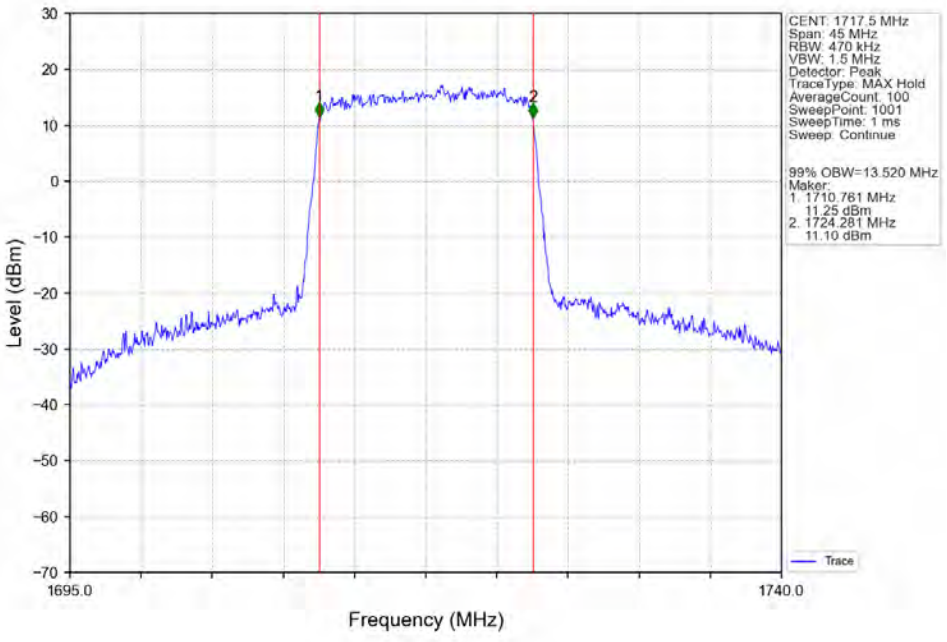
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



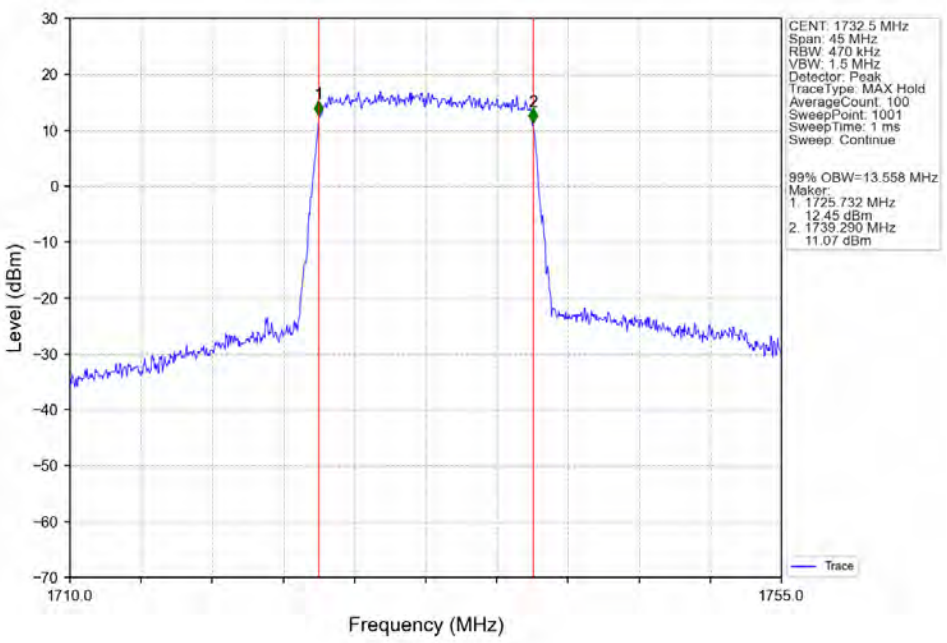
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



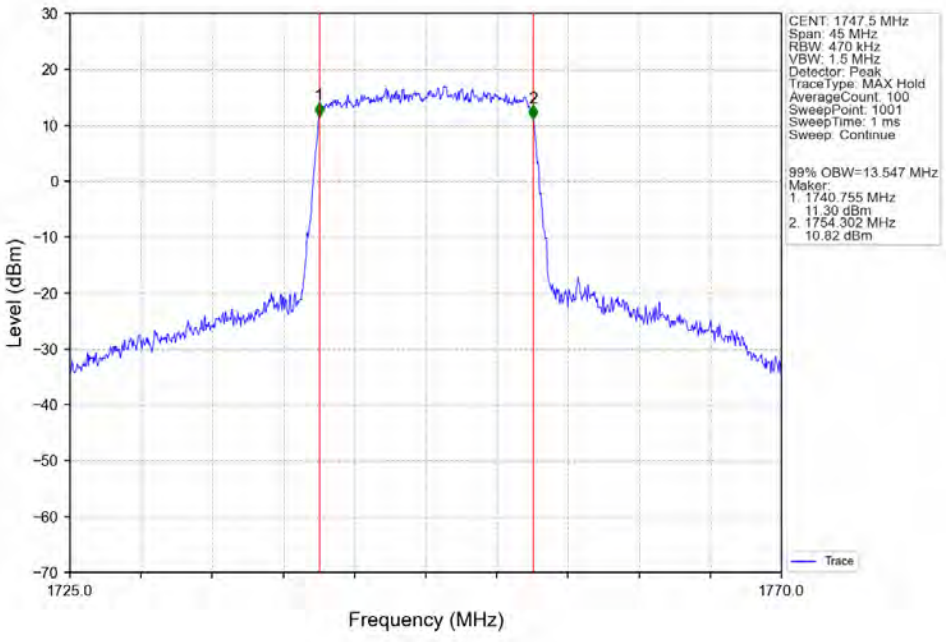
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



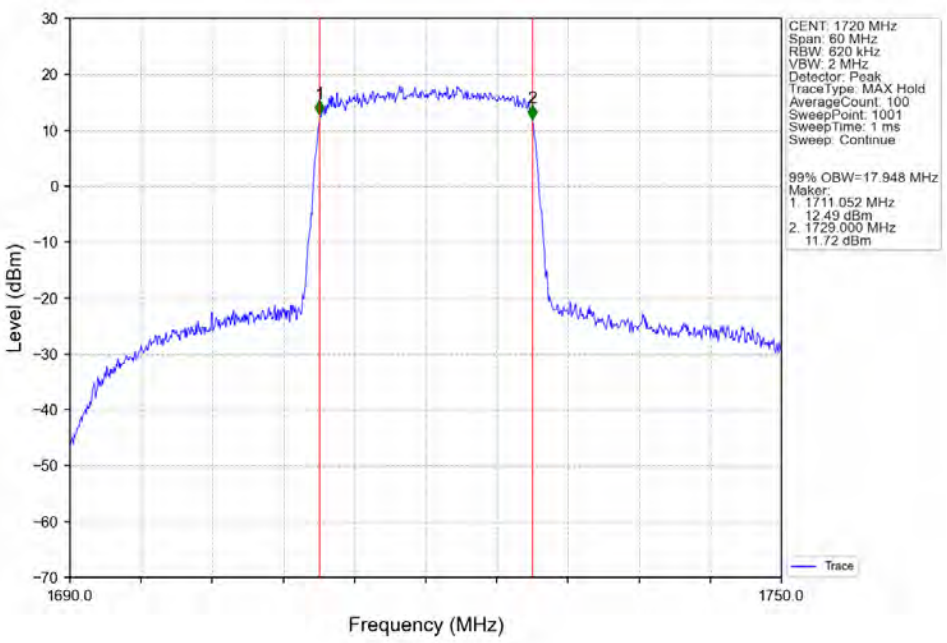
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



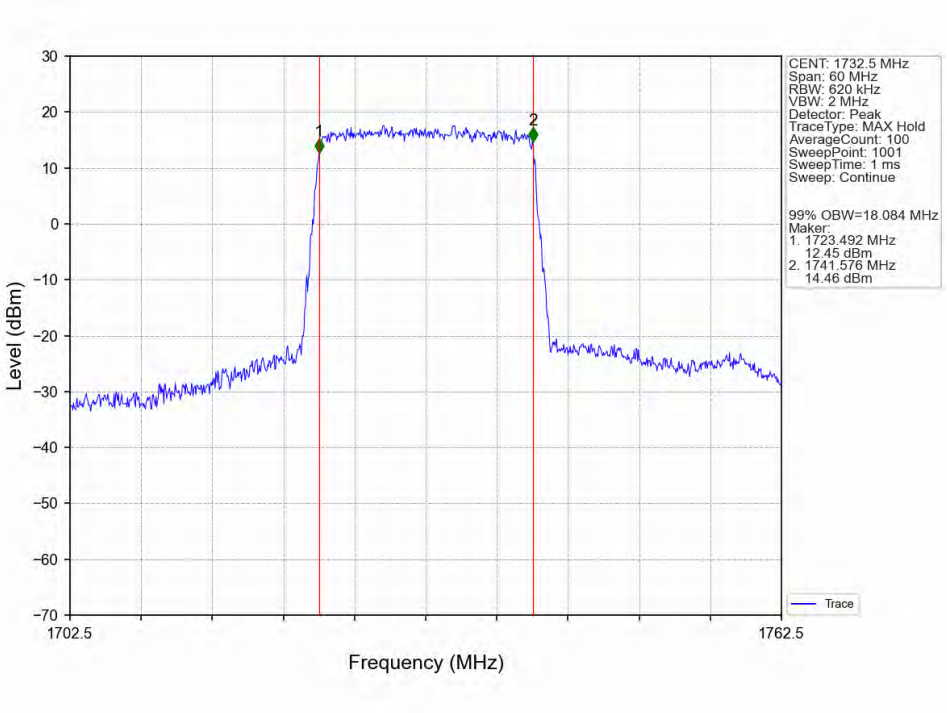
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



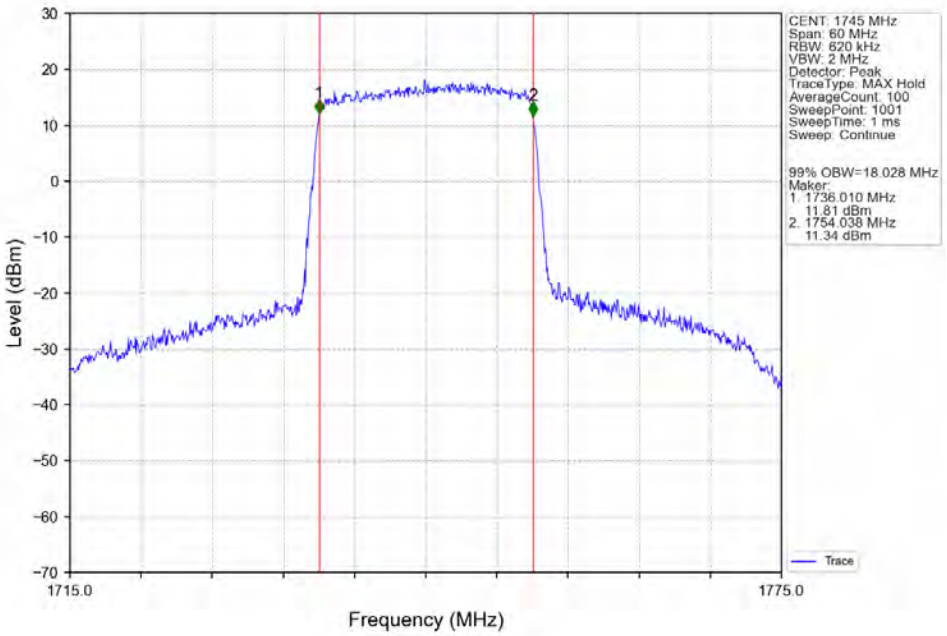
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



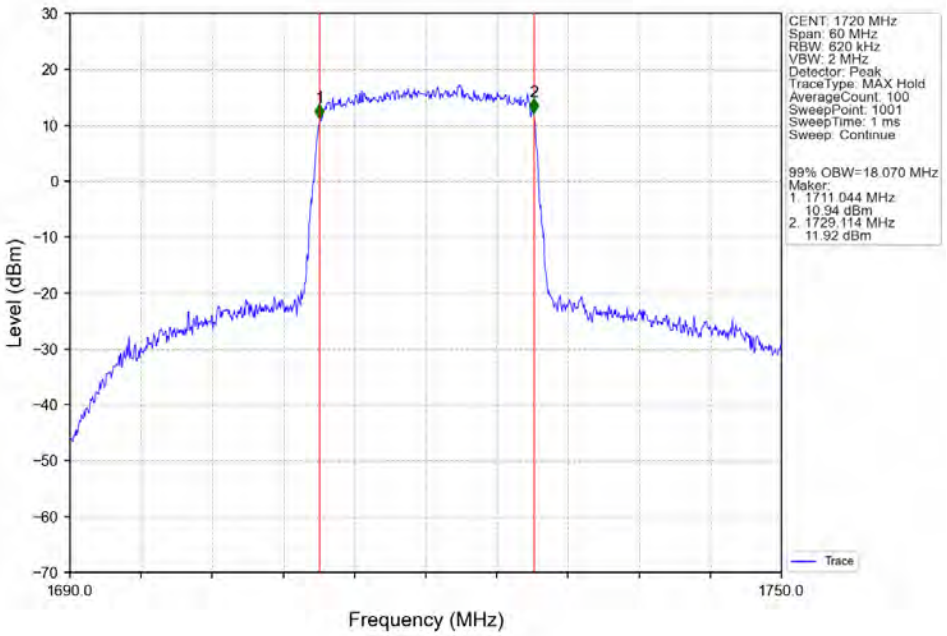
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



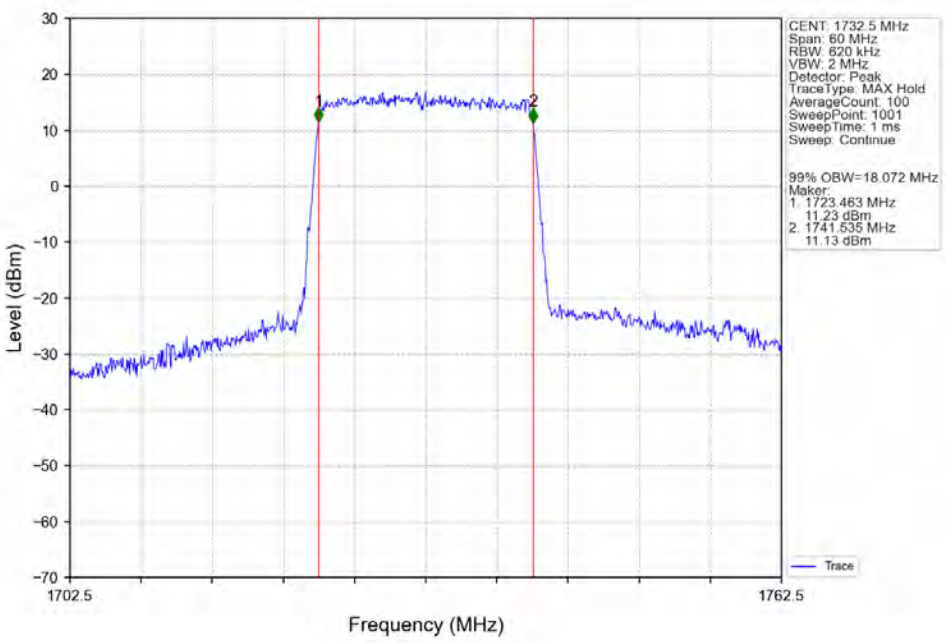
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



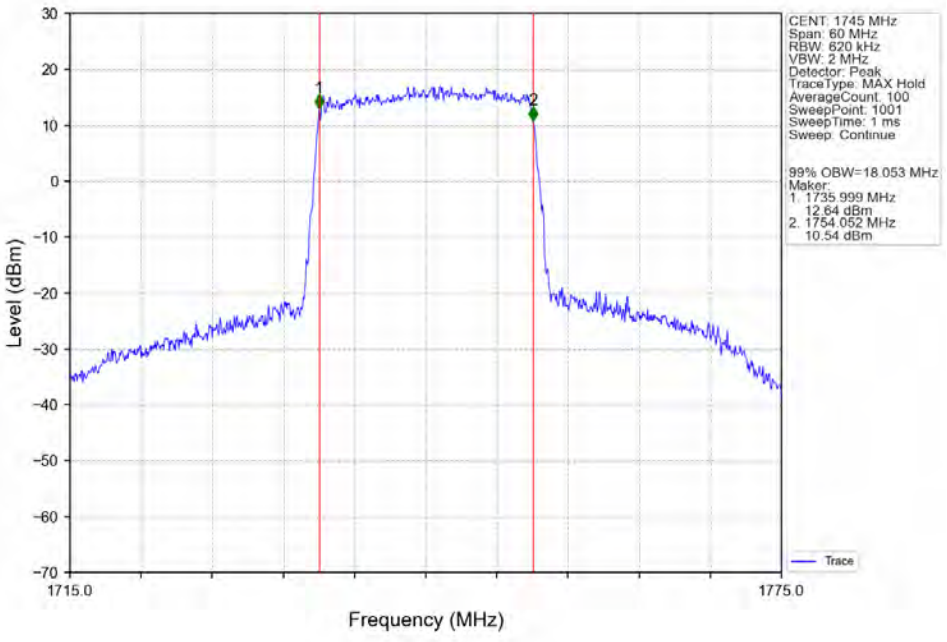
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



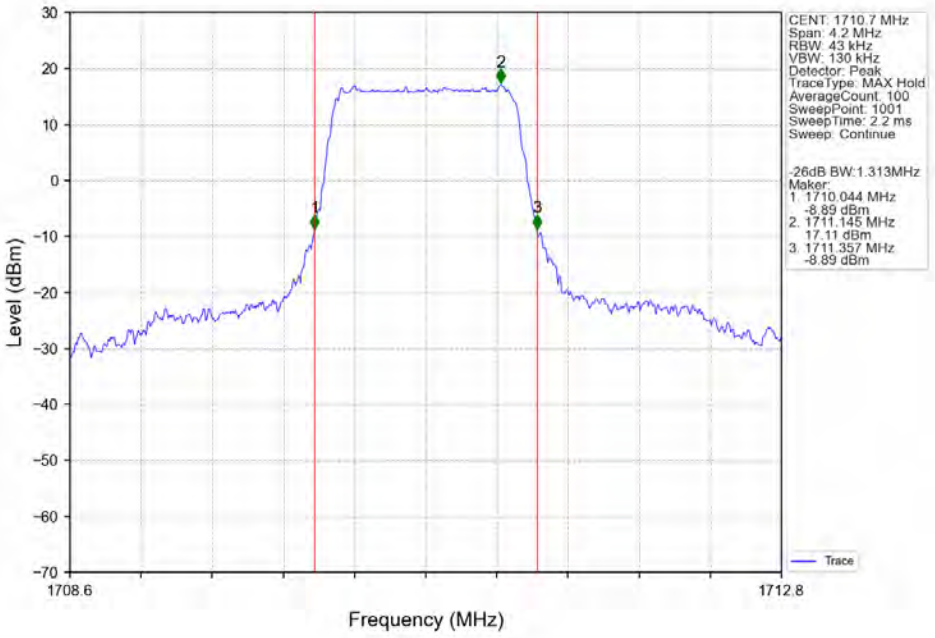
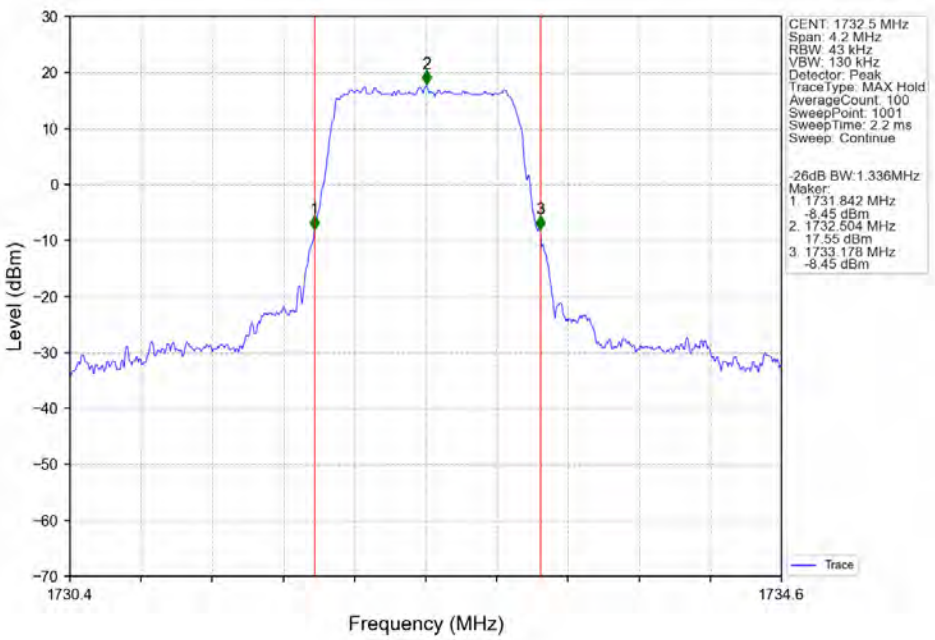
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



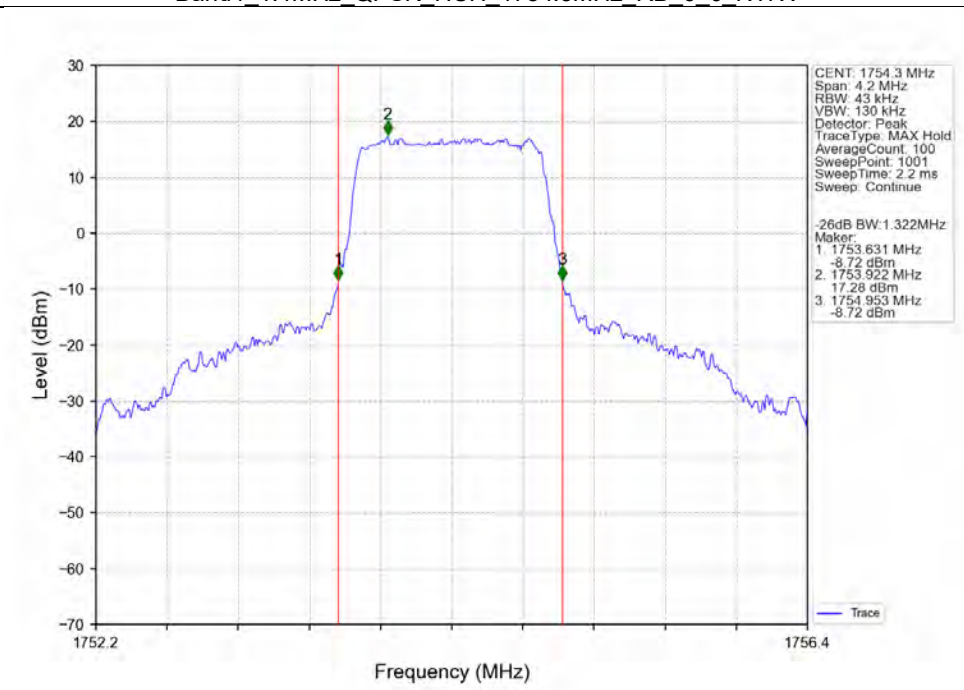
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



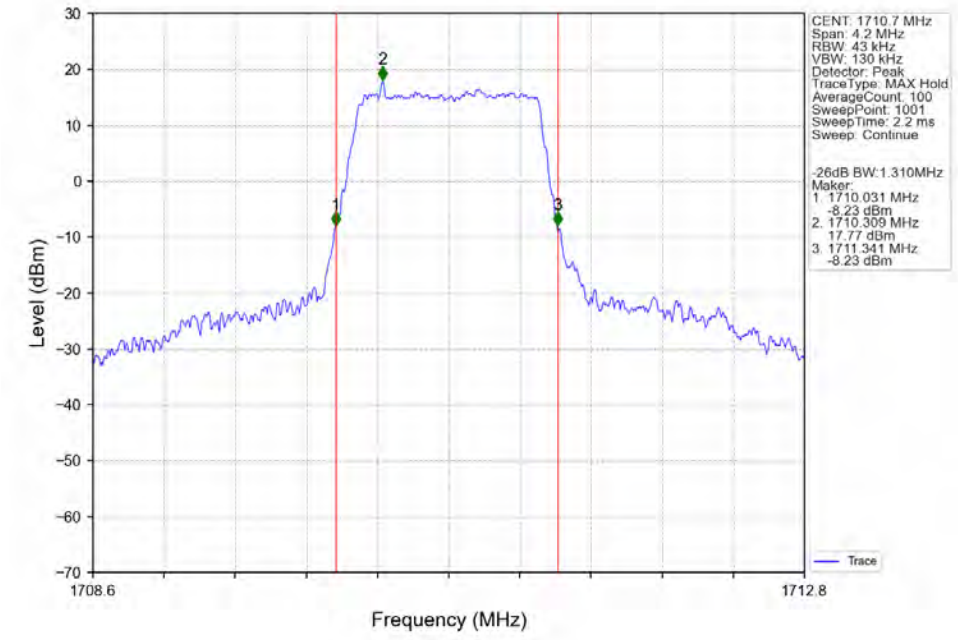
3.2.2 Band4_XDB

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV


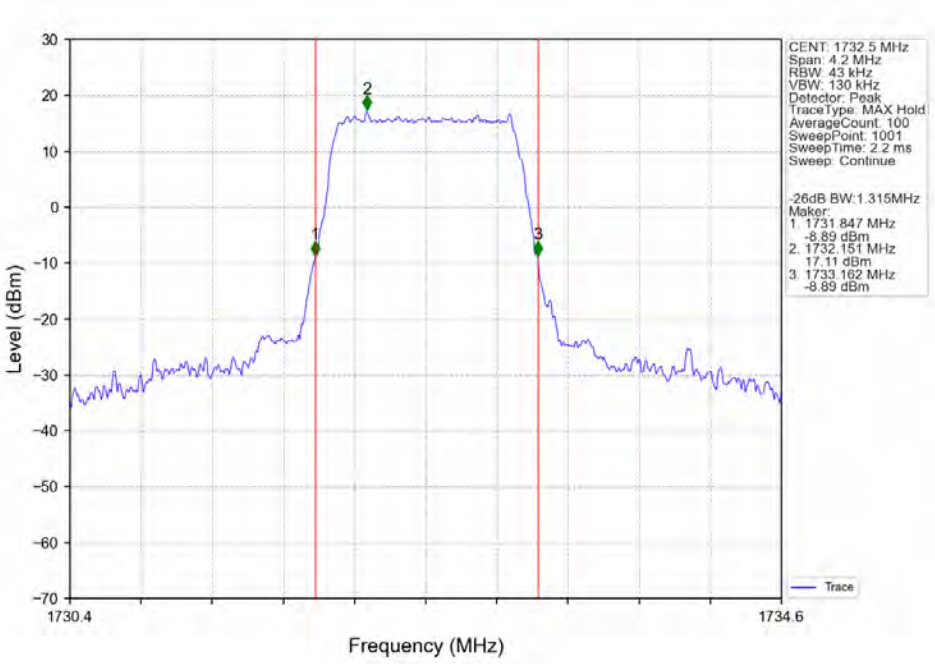
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



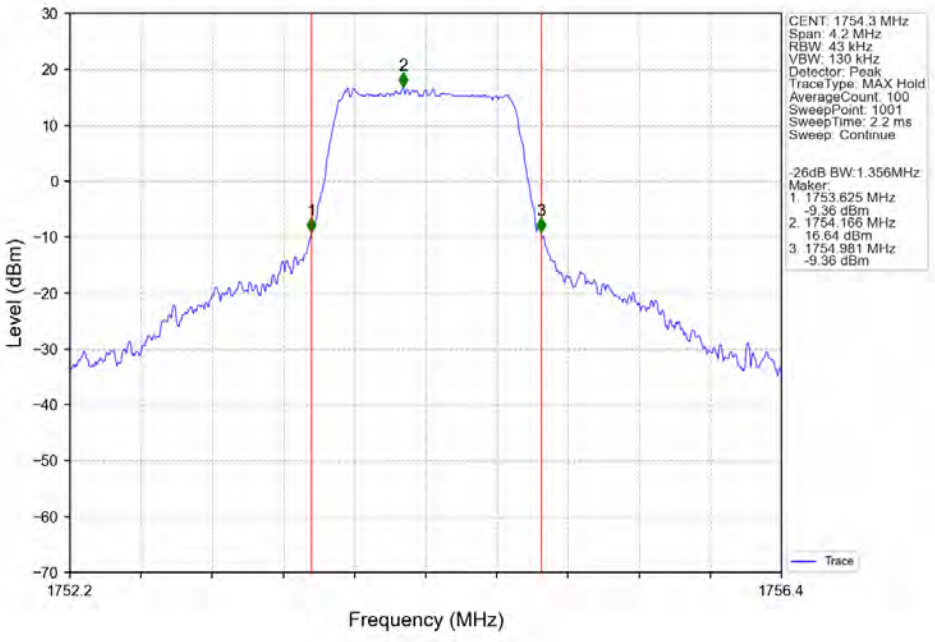
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



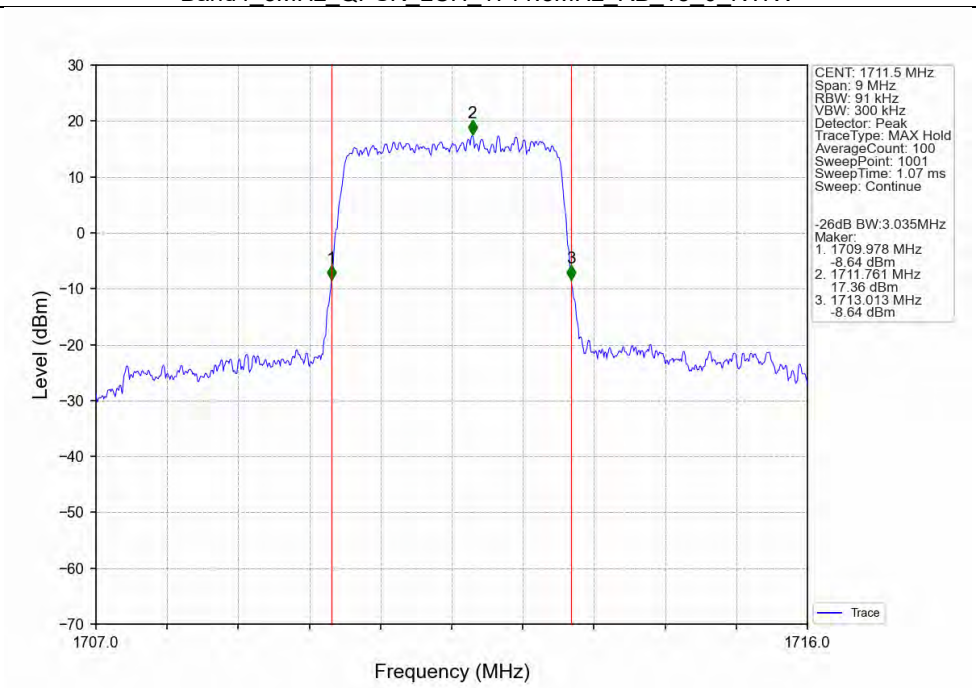
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



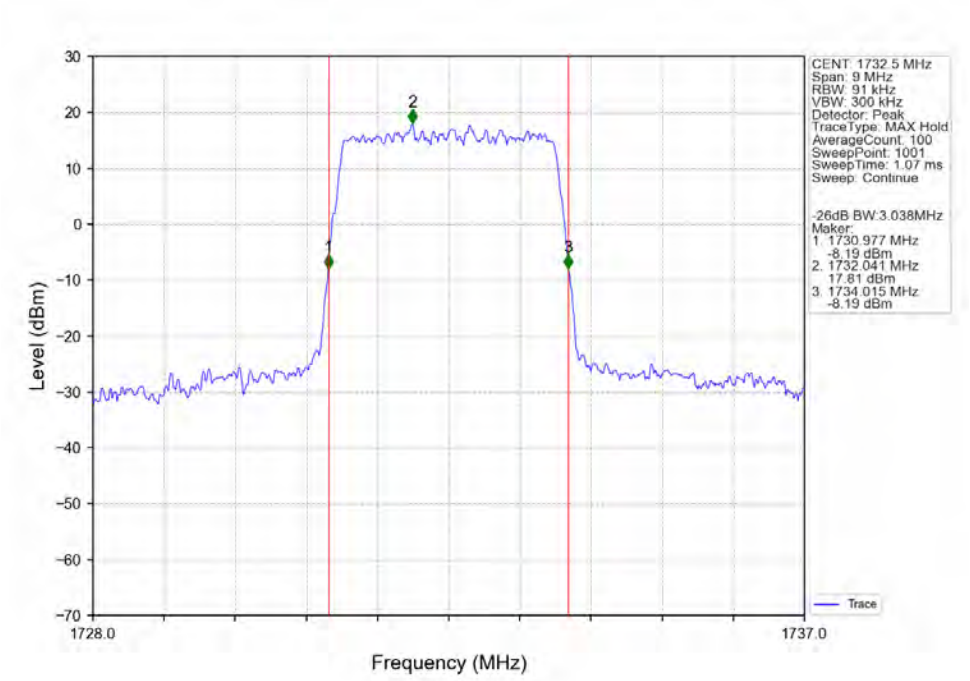
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



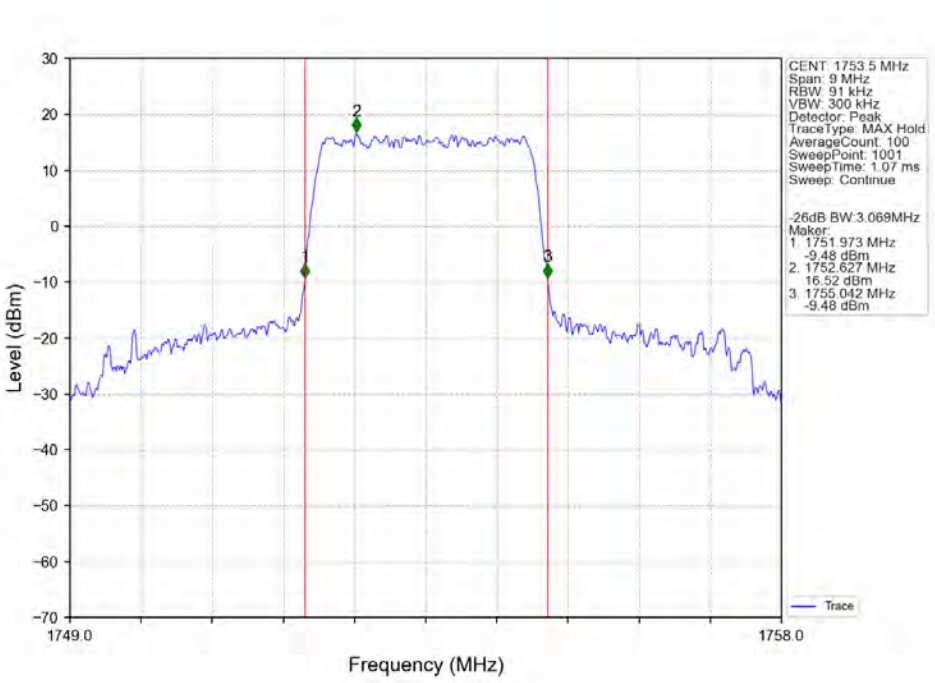
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



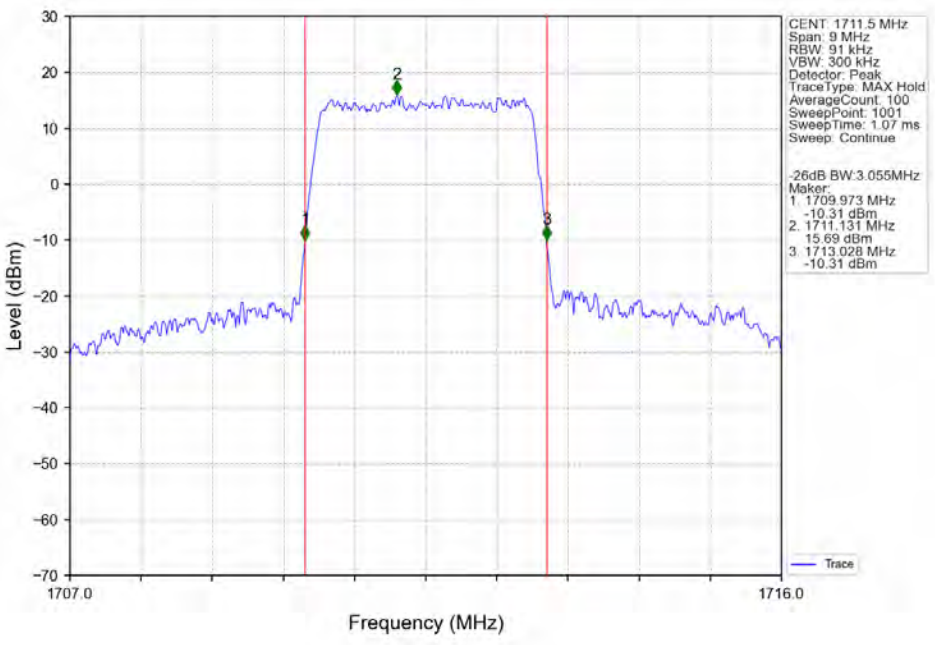
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



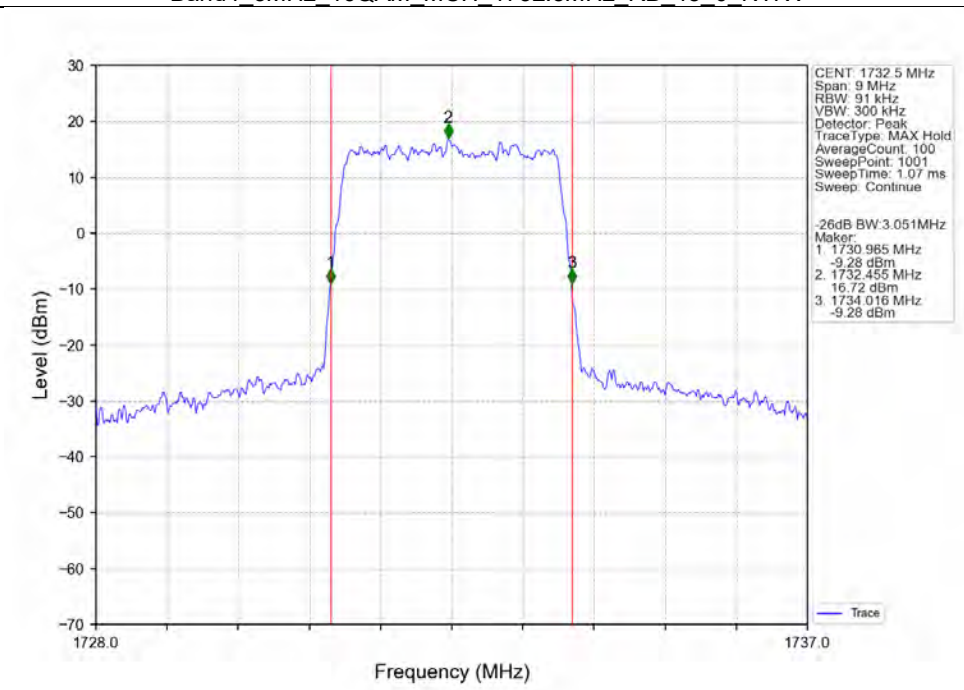
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



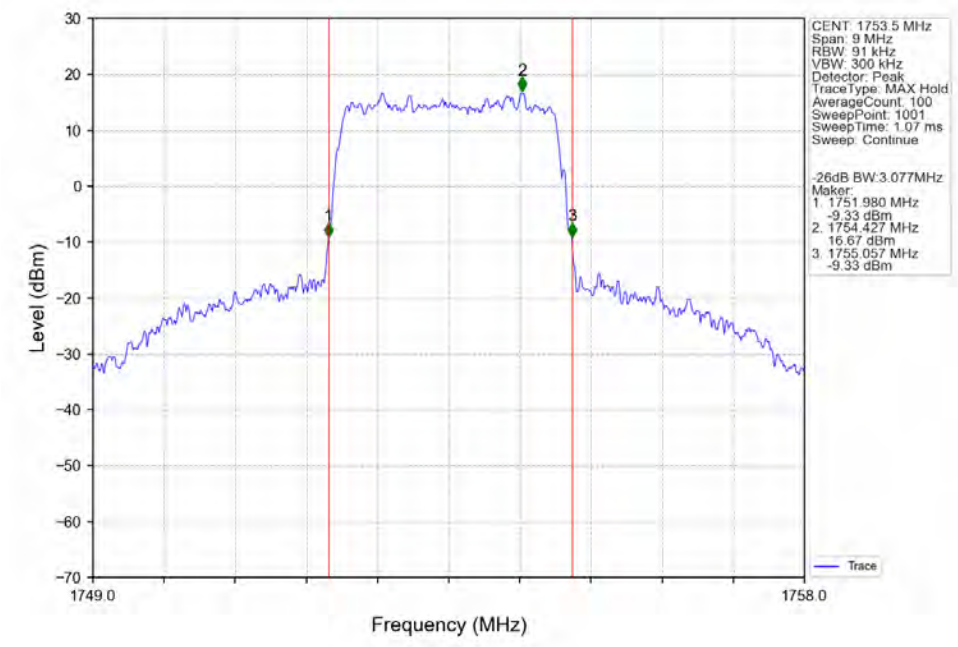
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



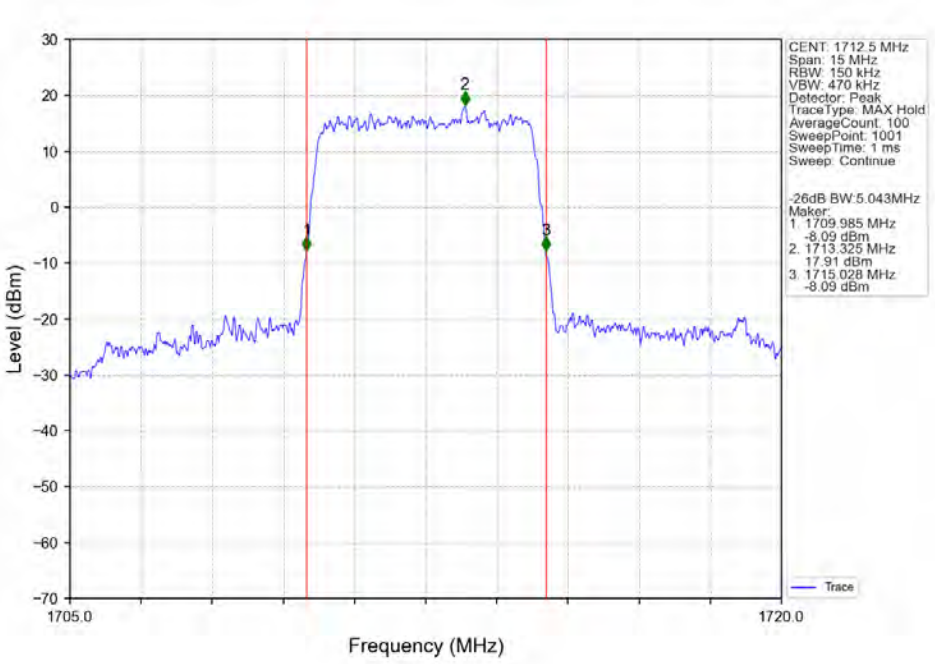
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



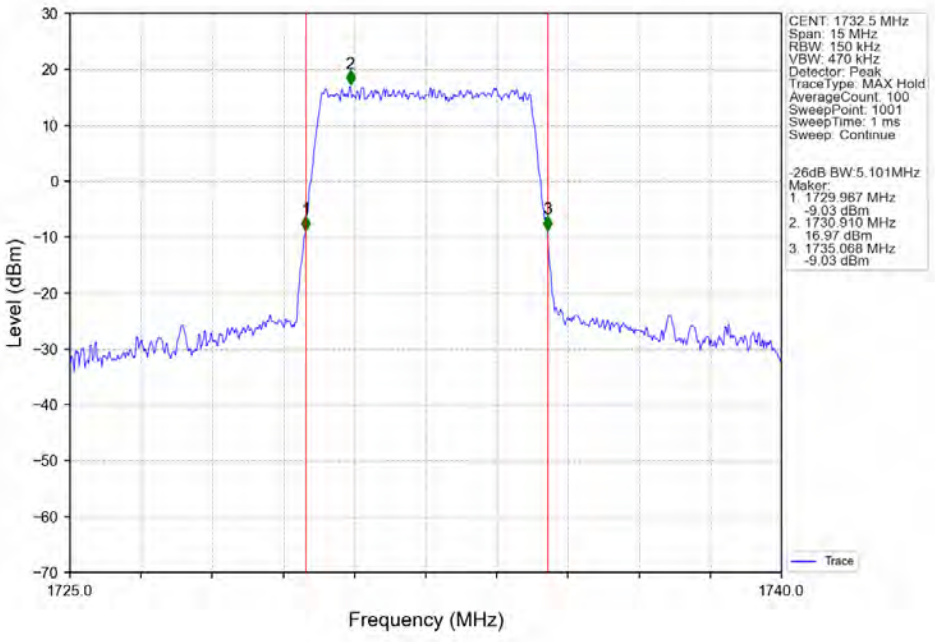
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



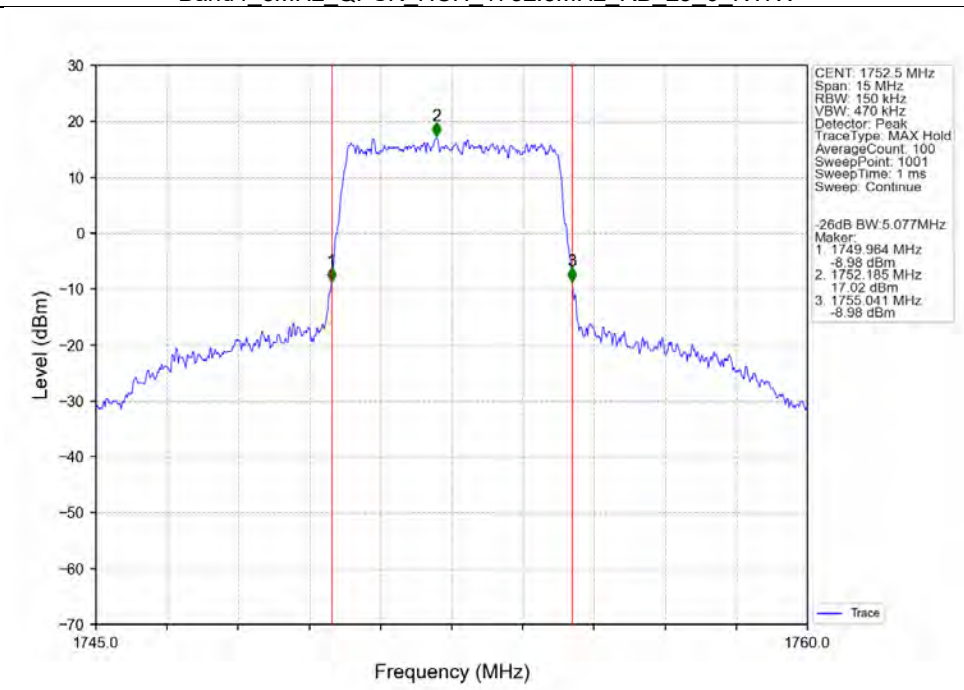
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



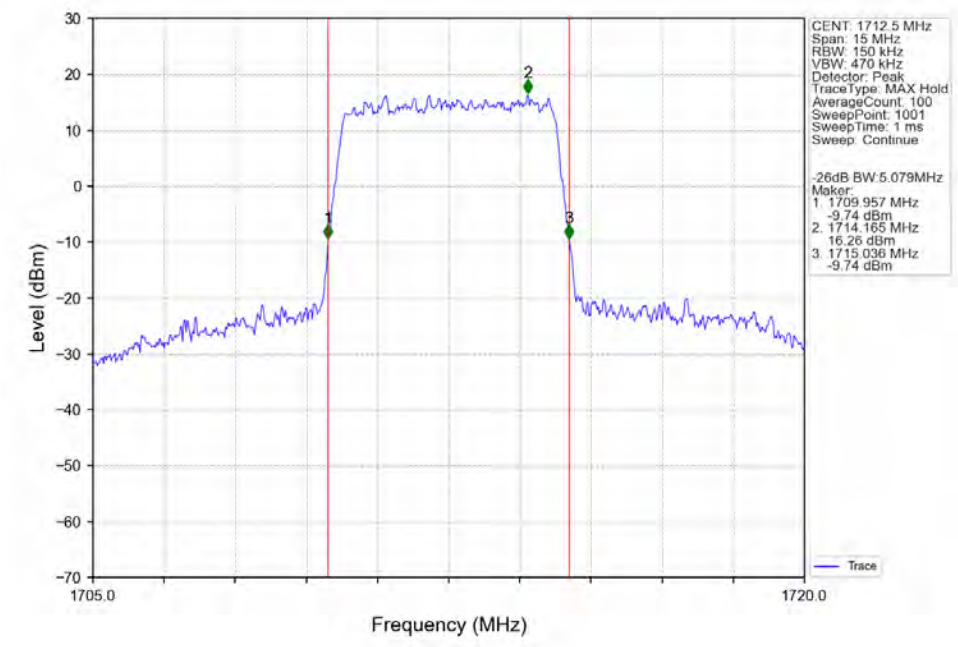
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



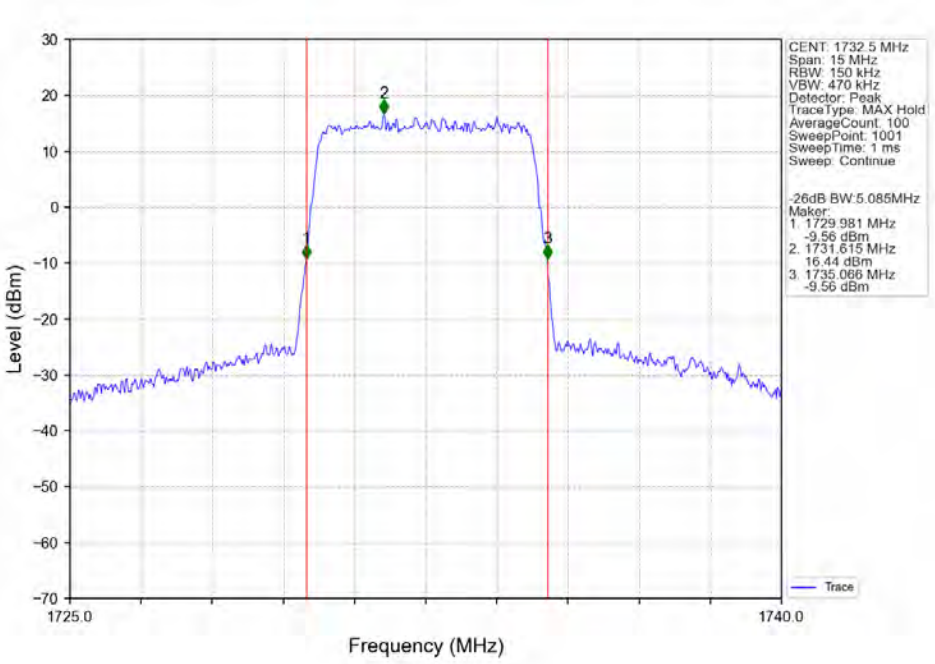
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



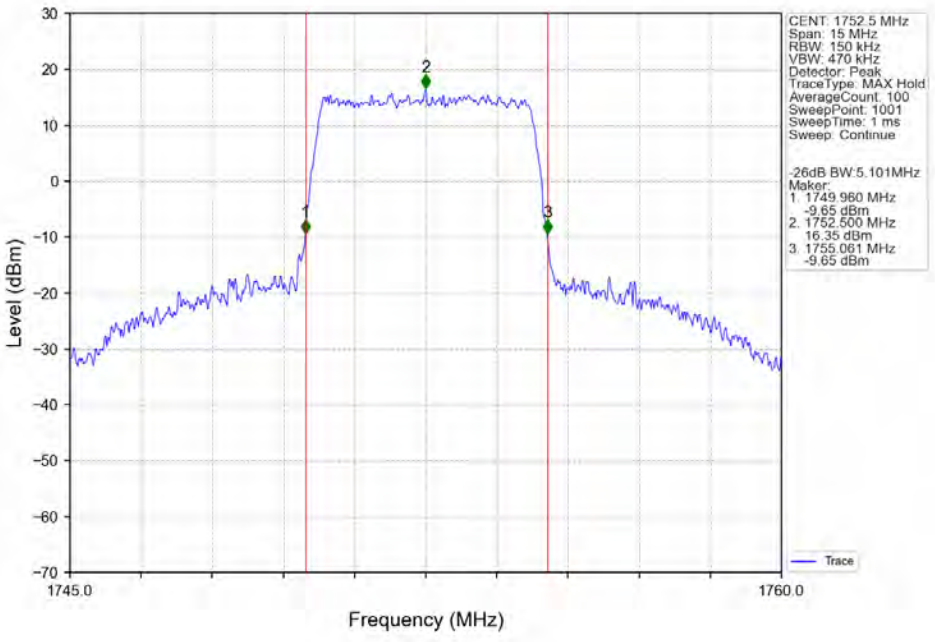
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



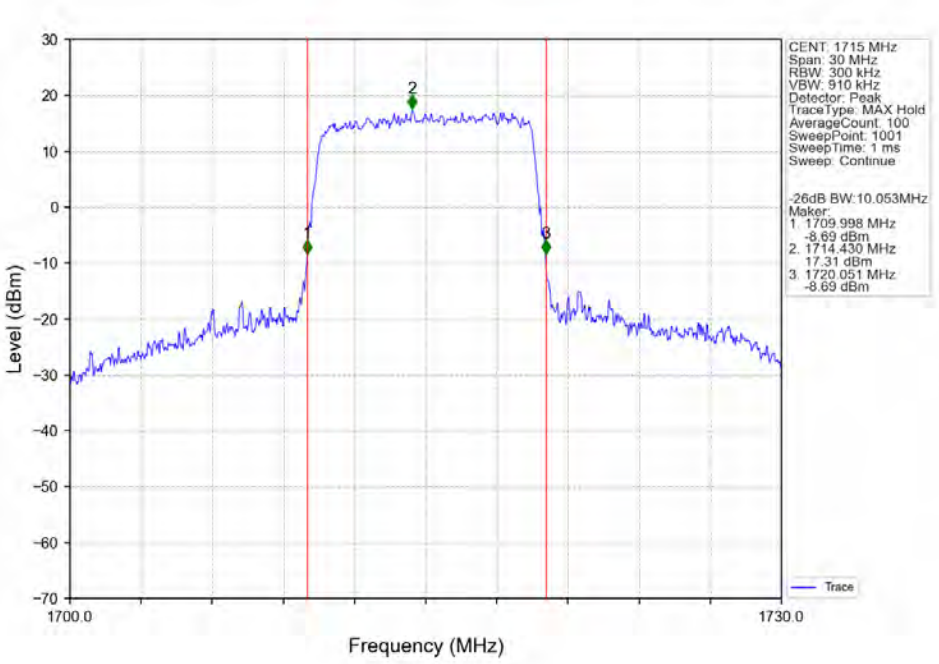
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



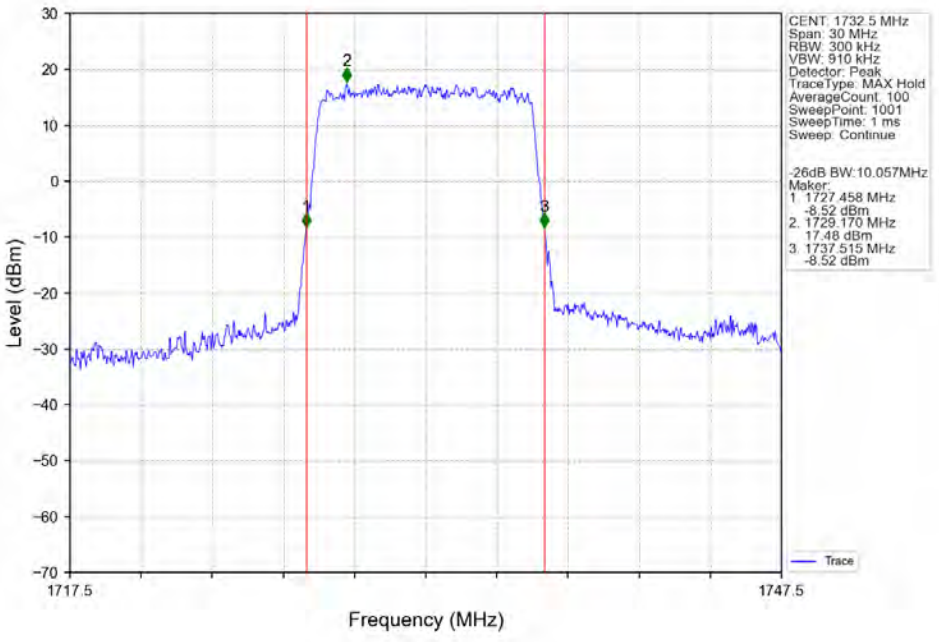
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



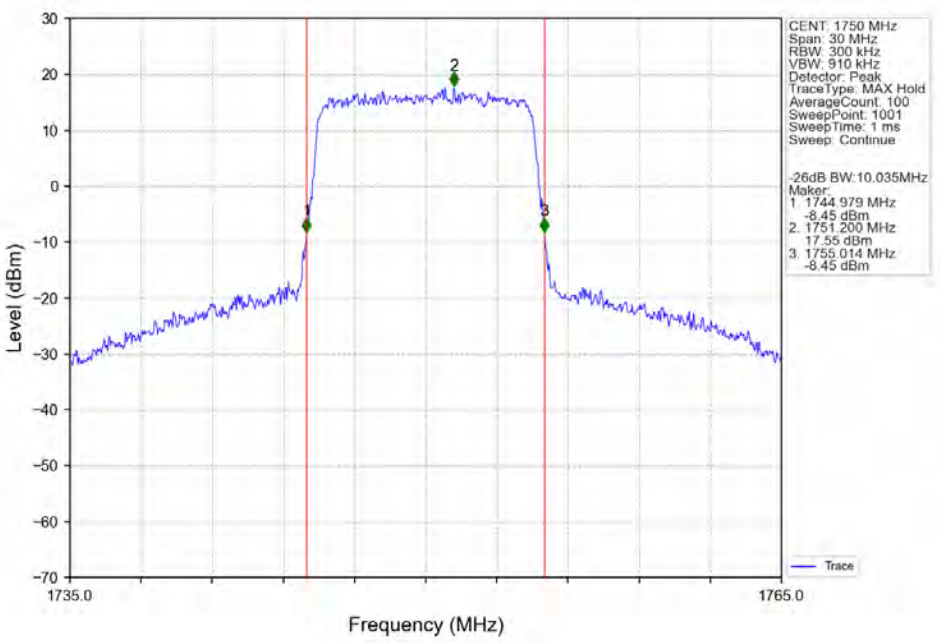
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



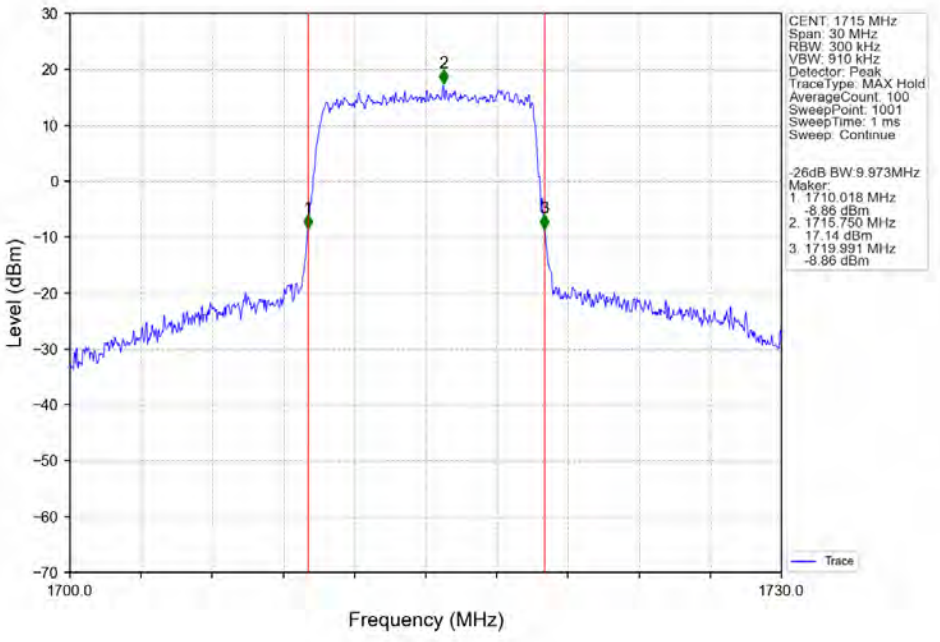
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



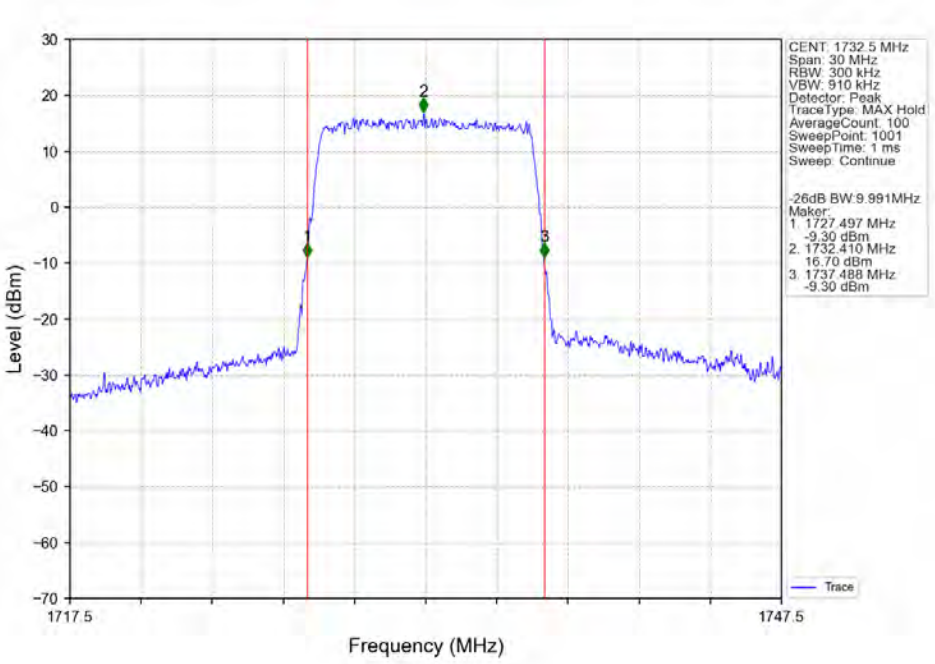
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



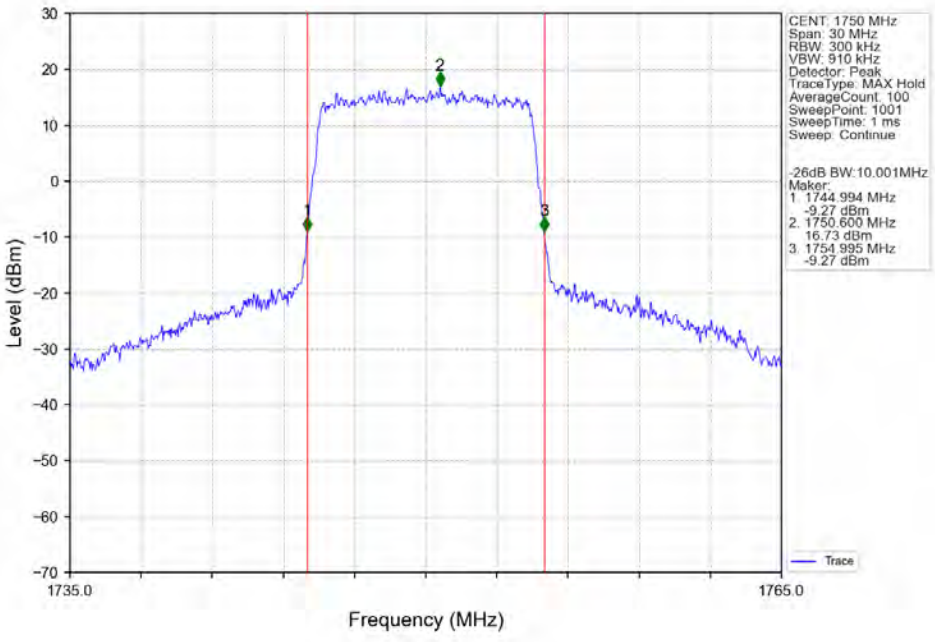
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



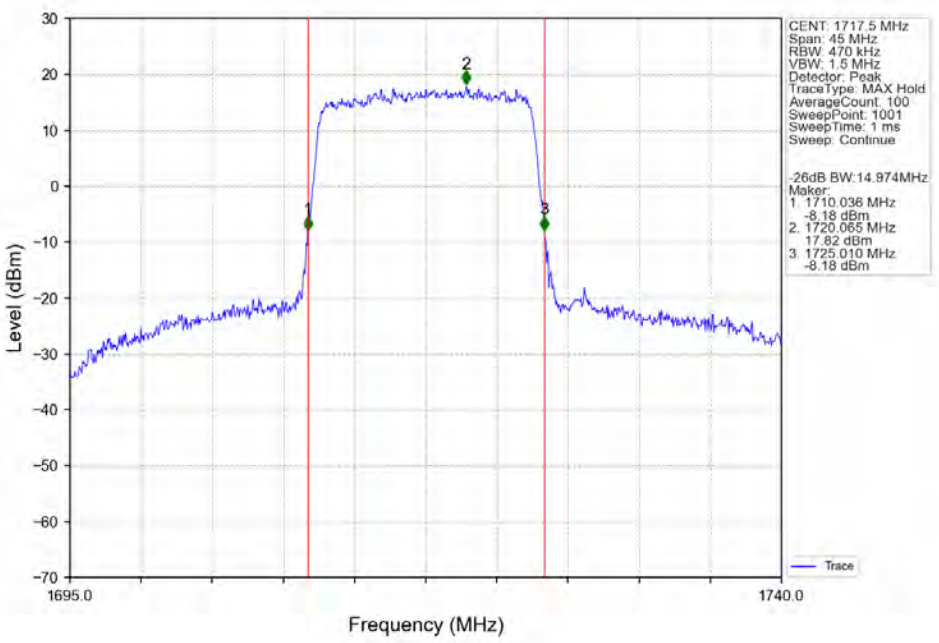
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



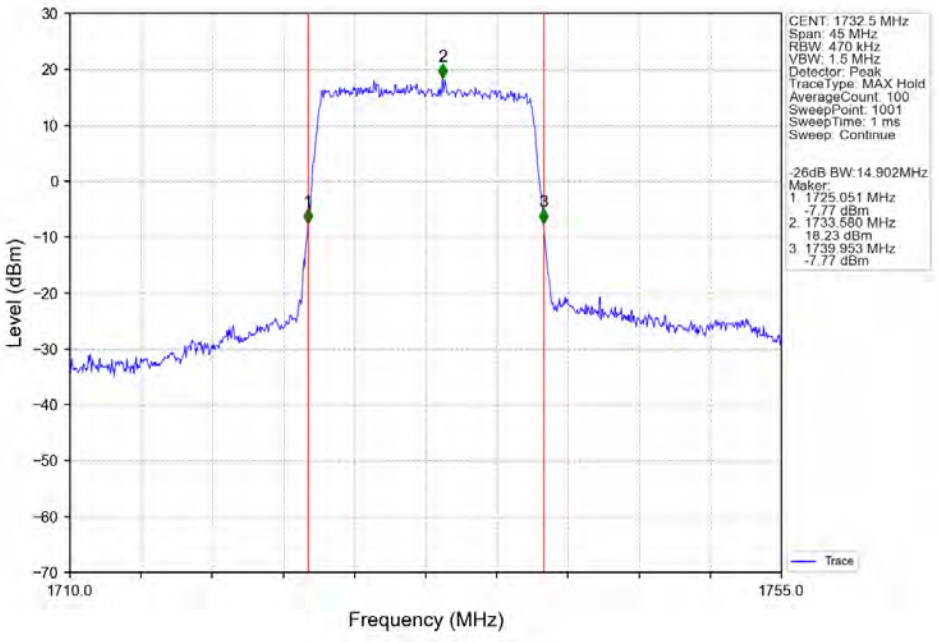
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



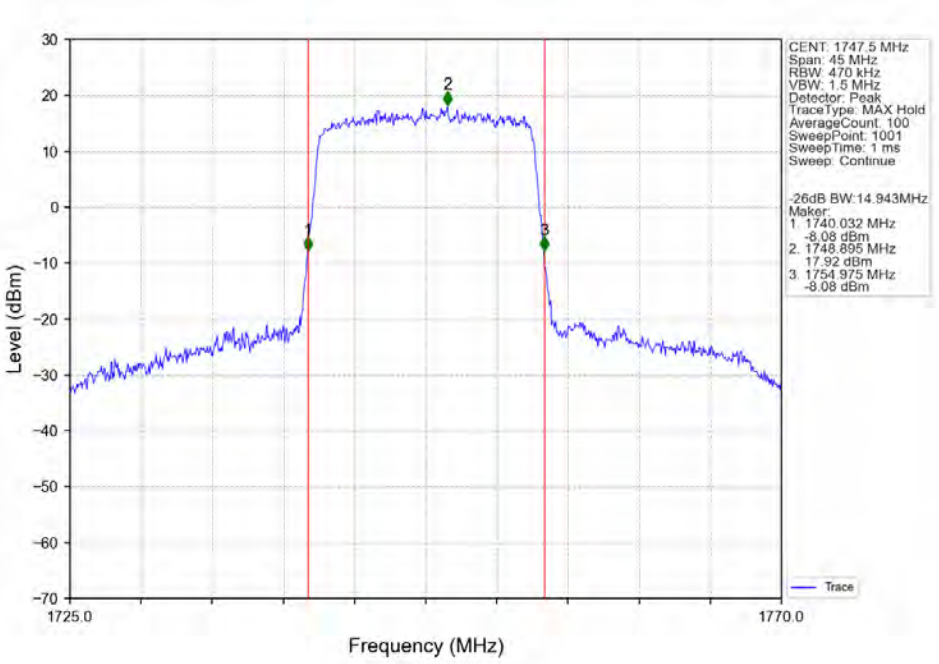
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



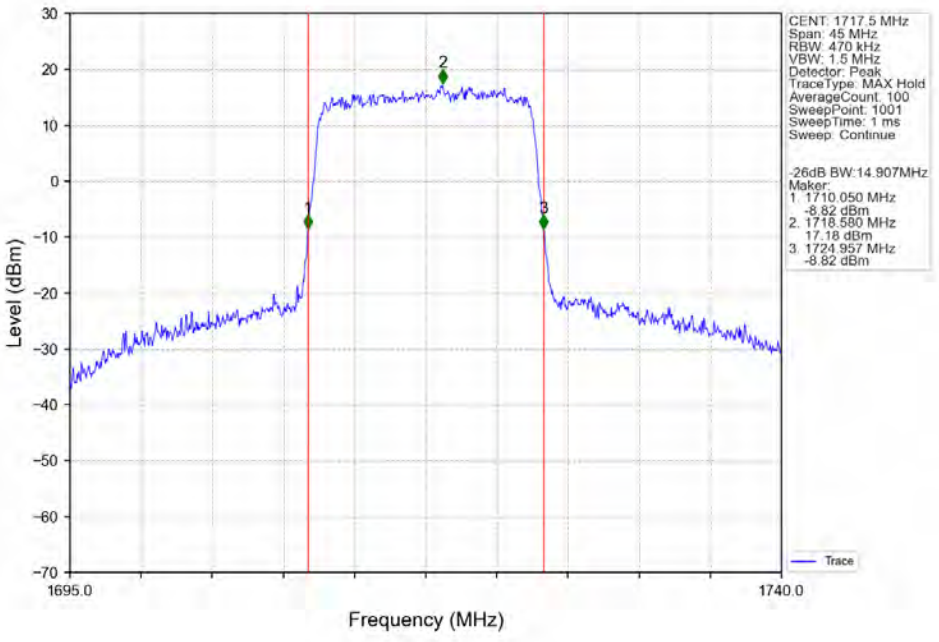
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



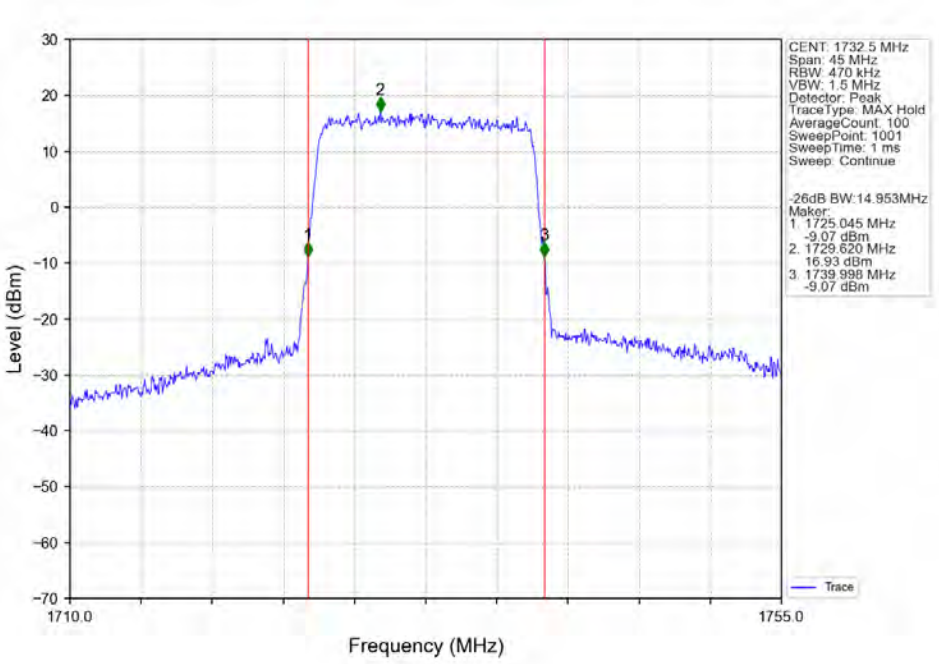
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



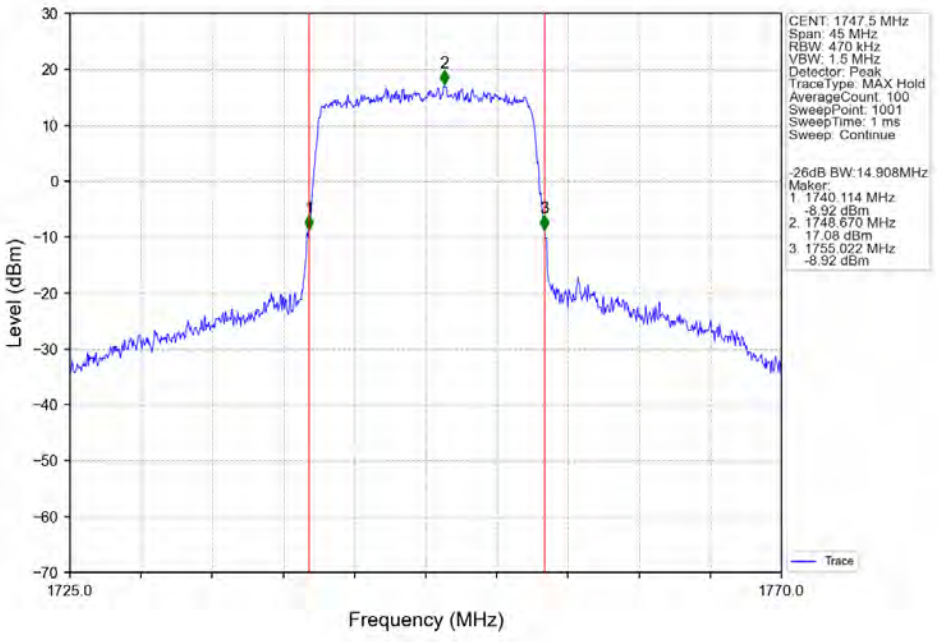
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



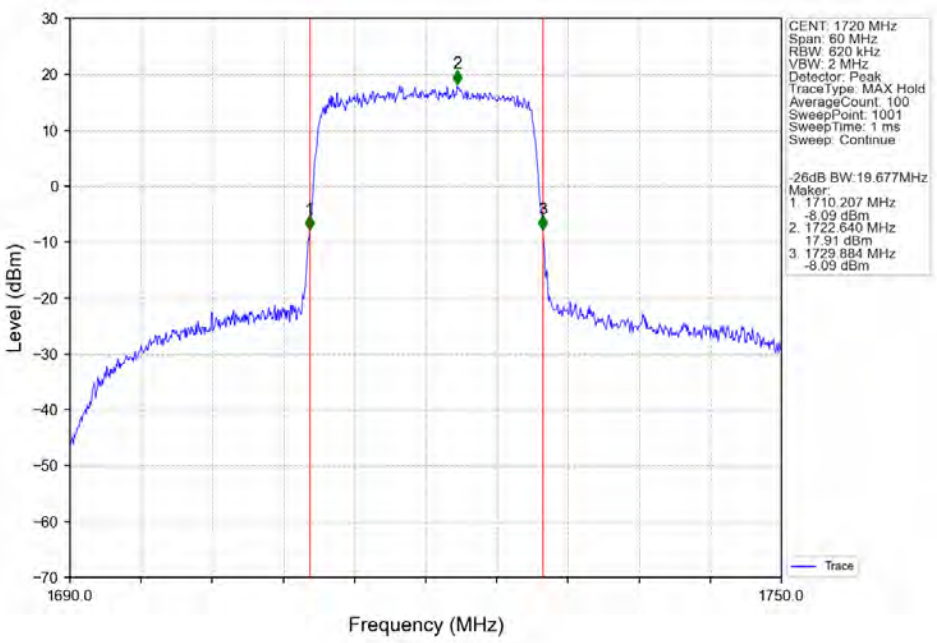
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



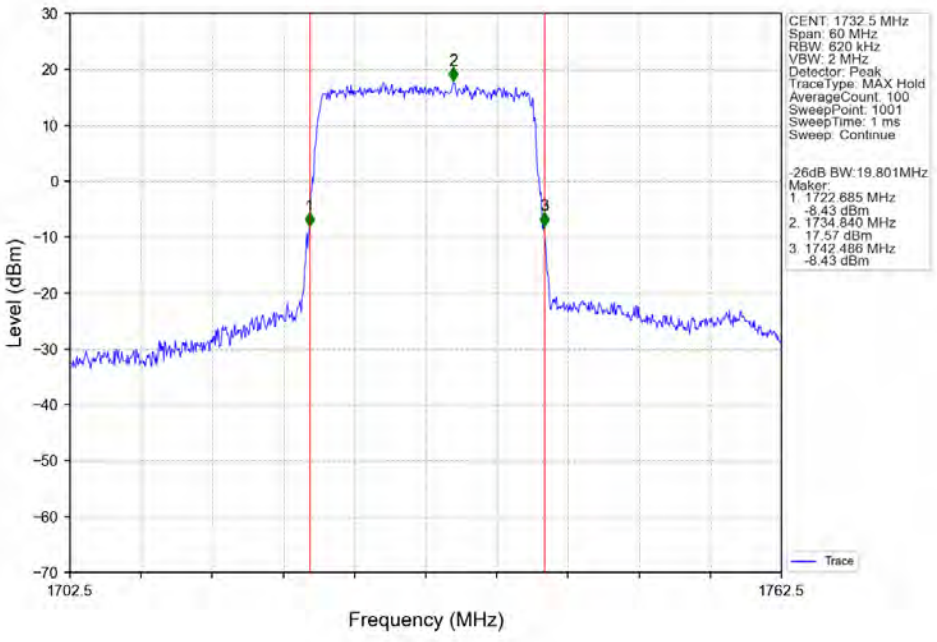
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



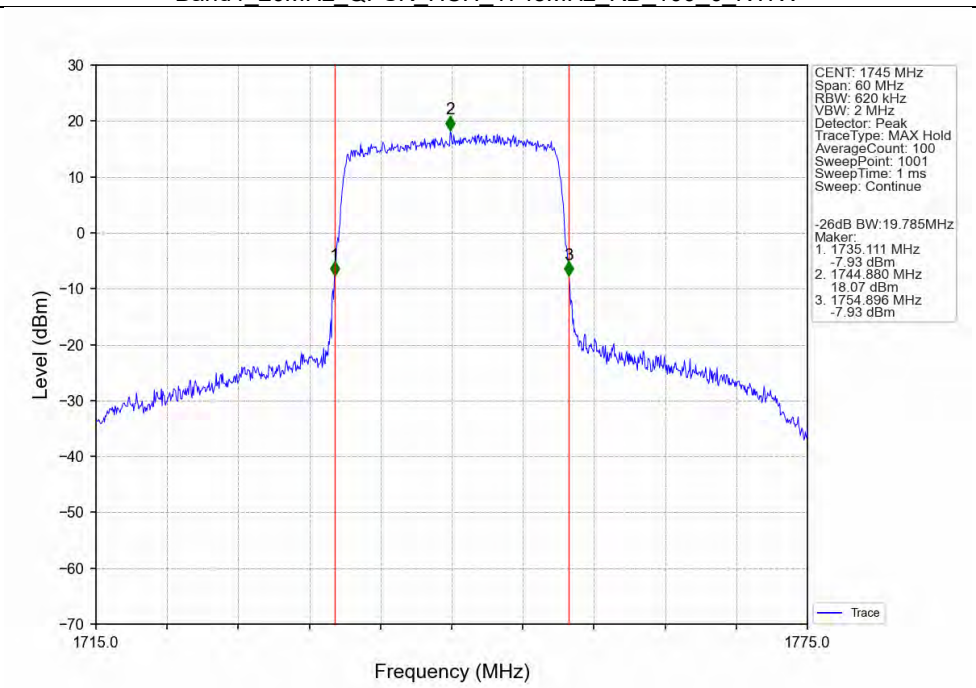
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



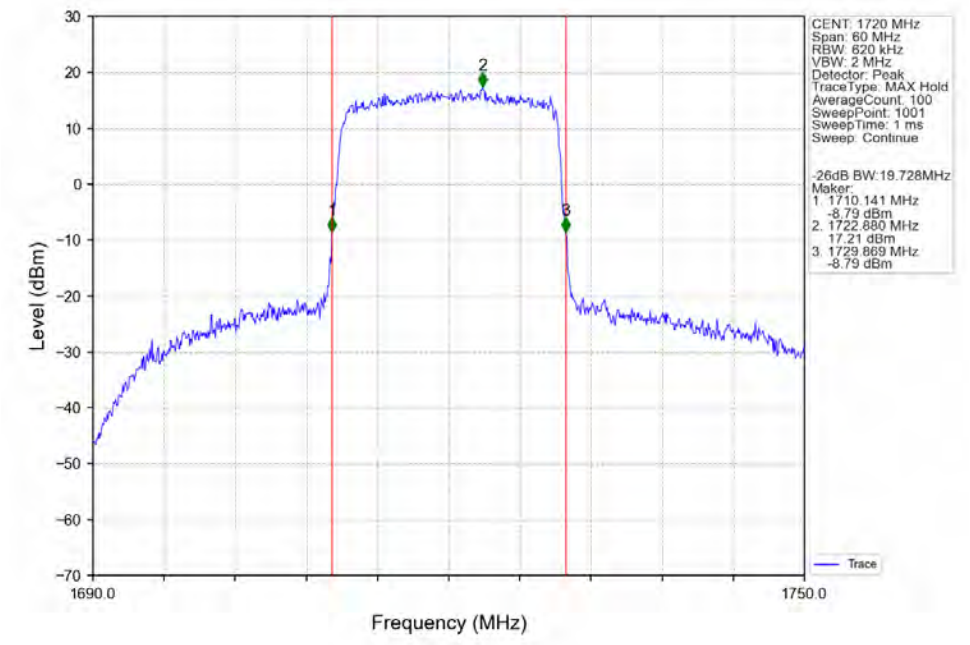
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



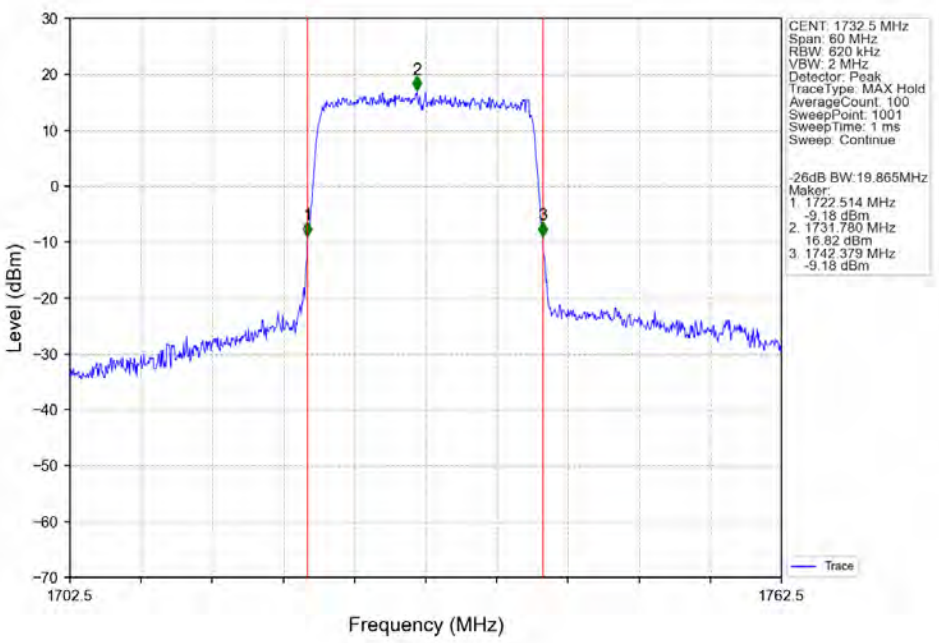
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



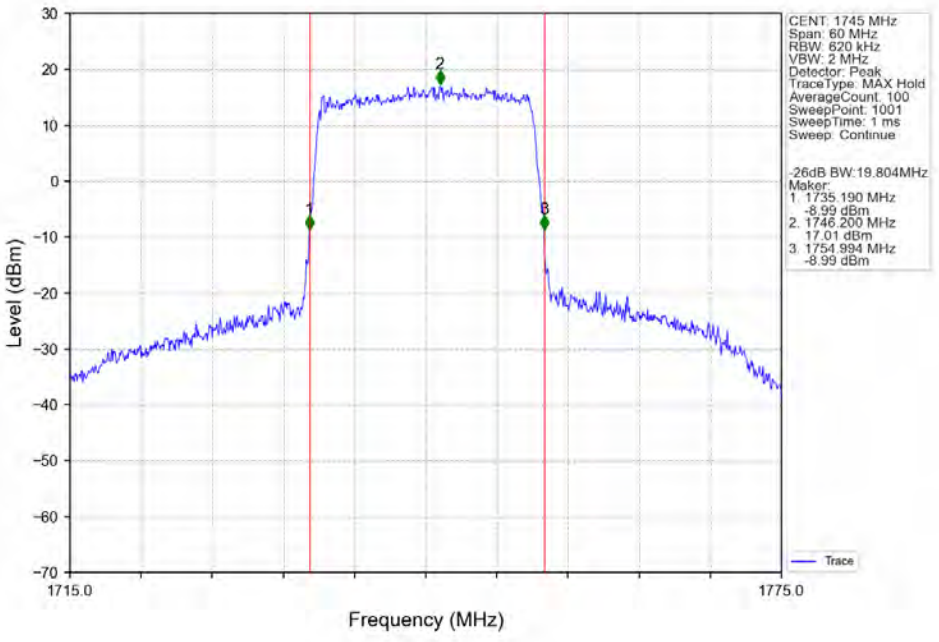
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 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	4.82	<=13	Pass
	1732.5	6	0	5.10	<=13	Pass
	1754.3	6	0	3.88	<=13	Pass
16QAM	1710.7	6	0	5.55	<=13	Pass
	1732.5	6	0	5.96	<=13	Pass
	1754.3	6	0	4.81	<=13	Pass

4.1.2 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	4.97	<=13	Pass
	1732.5	15	0	5.21	<=13	Pass
	1753.5	15	0	4.16	<=13	Pass
16QAM	1711.5	15	0	5.85	<=13	Pass
	1732.5	15	0	6.03	<=13	Pass
	1753.5	15	0	4.99	<=13	Pass

4.1.3 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	5.02	<=13	Pass
	1732.5	25	0	5.27	<=13	Pass
	1752.5	25	0	4.43	<=13	Pass
16QAM	1712.5	25	0	5.82	<=13	Pass
	1732.5	25	0	6.06	<=13	Pass
	1752.5	25	0	5.22	<=13	Pass

4.1.4 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	4.85	<=13	Pass
	1732.5	50	0	5.18	<=13	Pass
	1750	50	0	4.57	<=13	Pass
16QAM	1715	50	0	5.69	<=13	Pass
	1732.5	50	0	6.01	<=13	Pass
	1750	50	0	5.39	<=13	Pass

4.1.5 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	4.84	<=13	Pass
	1732.5	75	0	5.29	<=13	Pass
	1747.5	75	0	4.77	<=13	Pass
16QAM	1717.5	75	0	5.64	<=13	Pass
	1732.5	75	0	6.08	<=13	Pass
	1747.5	75	0	5.55	<=13	Pass

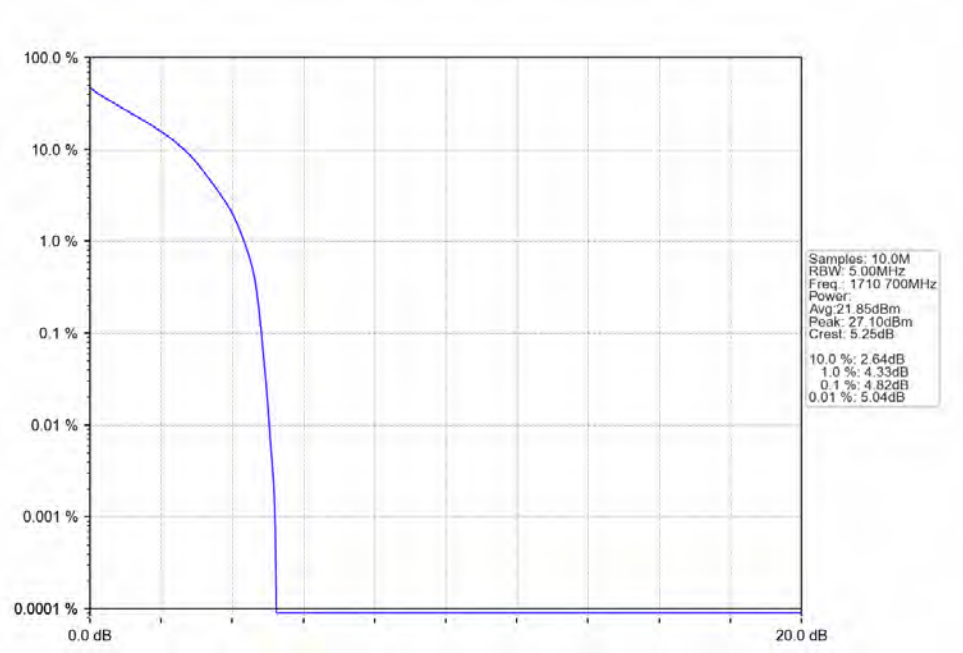
4.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	4.77	<=13	Pass
	1732.5	100	0	5.14	<=13	Pass
	1745	100	0	4.82	<=13	Pass
16QAM	1720	100	0	5.62	<=13	Pass
	1732.5	100	0	5.95	<=13	Pass
	1745	100	0	5.65	<=13	Pass

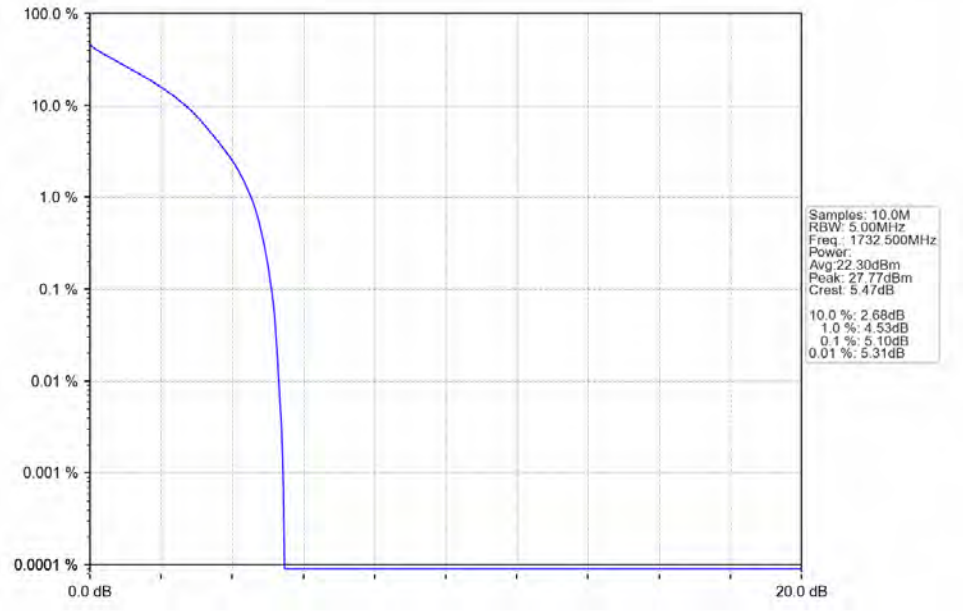
4.2 Test Graph

4.2.1 B4_1.4MHz

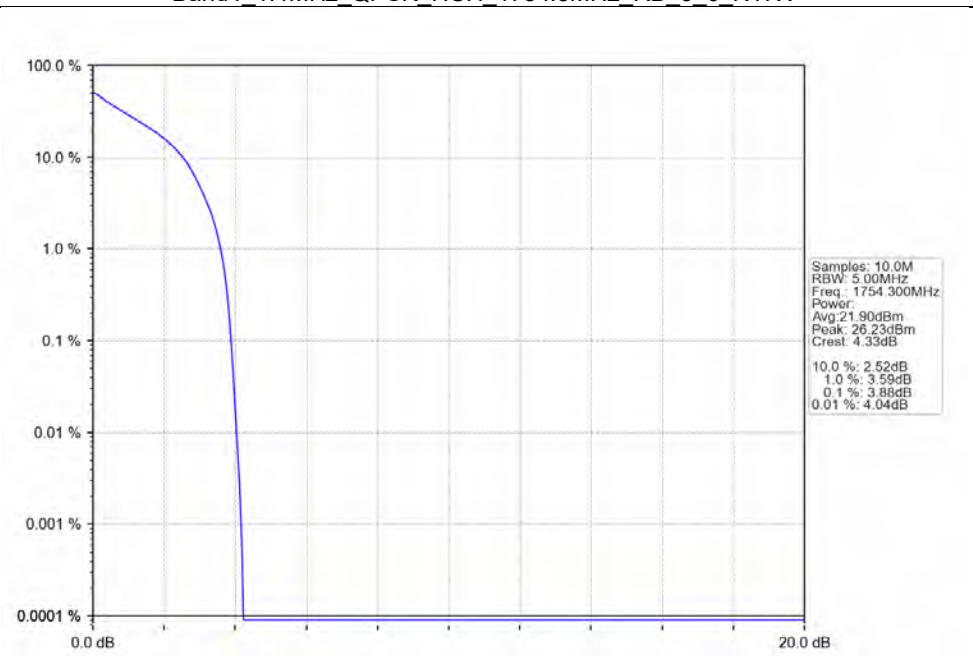
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



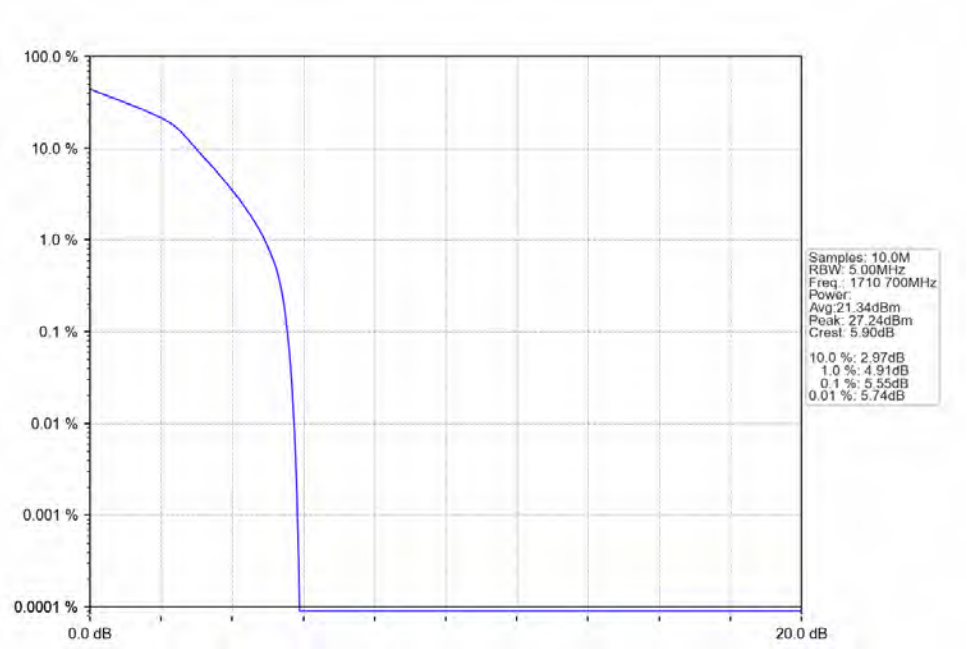
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



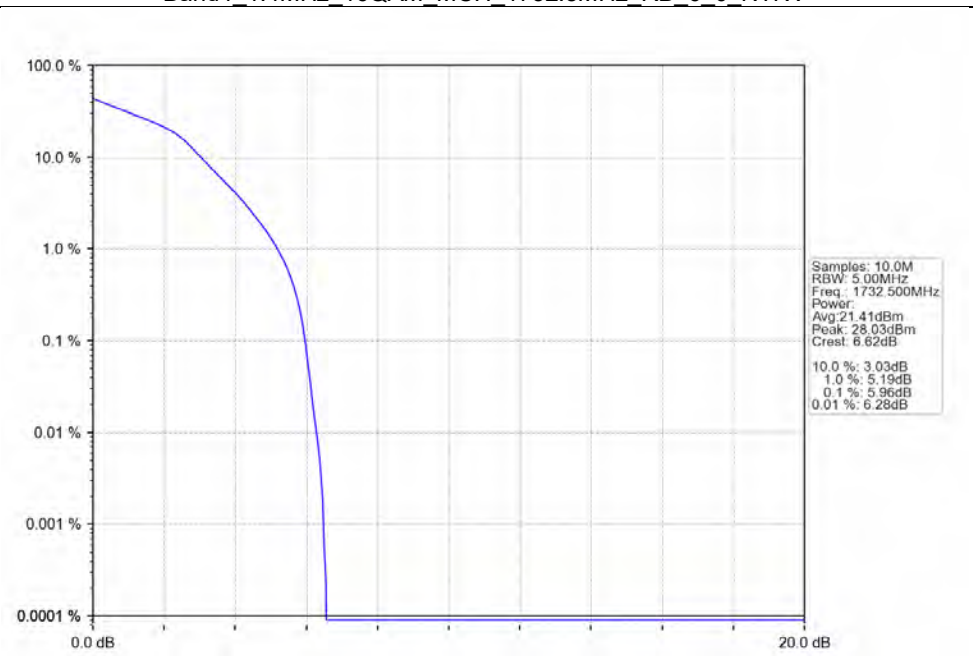
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



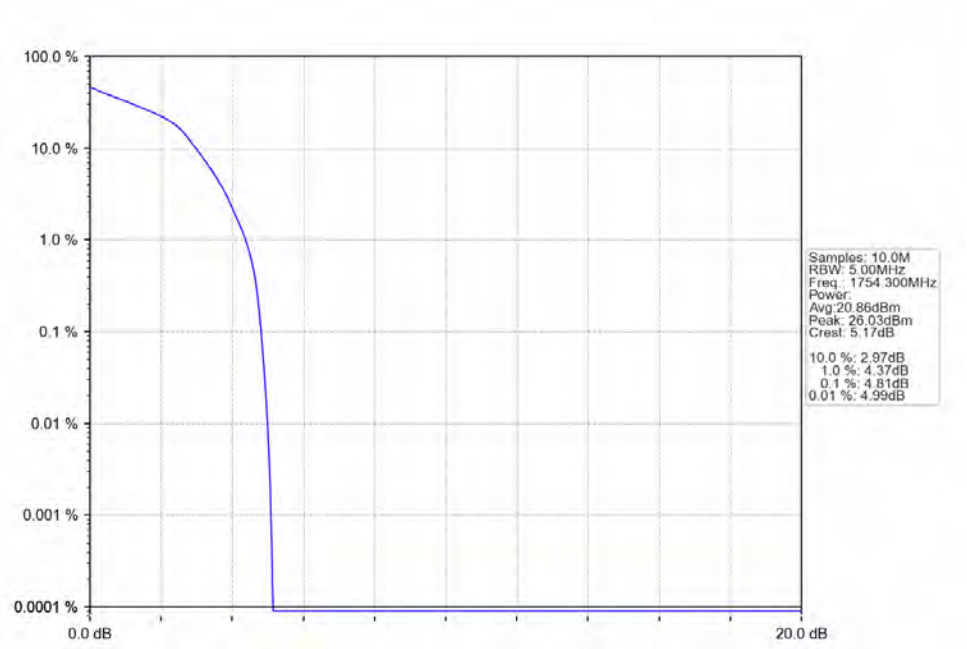
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



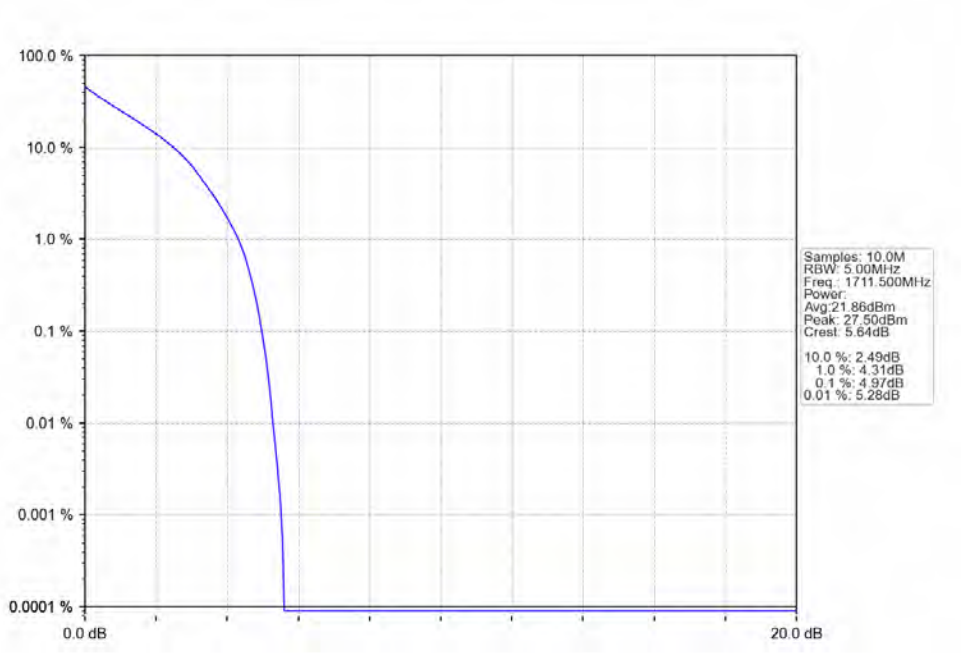
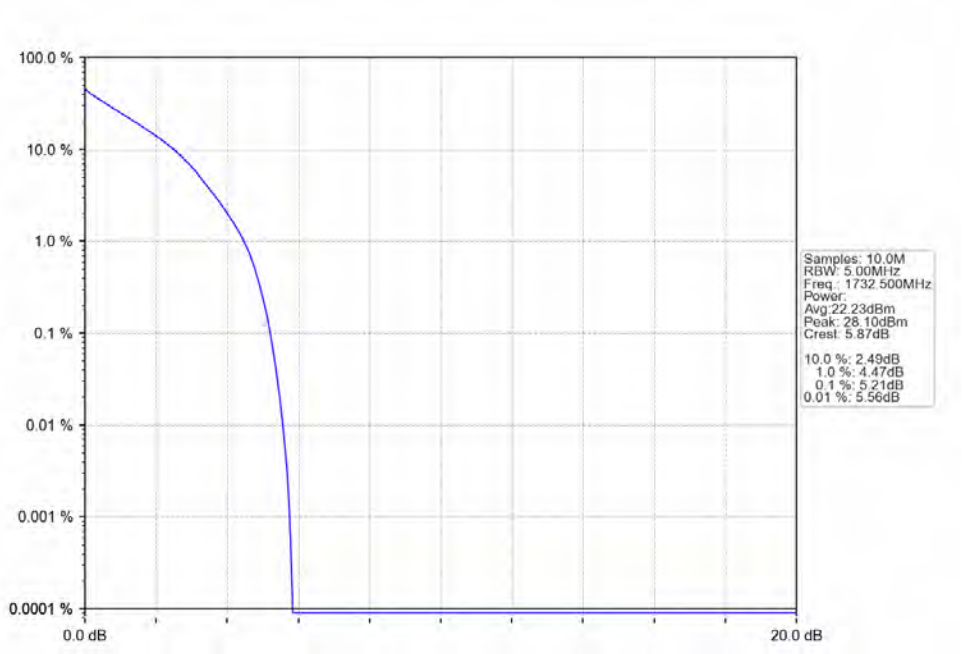
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



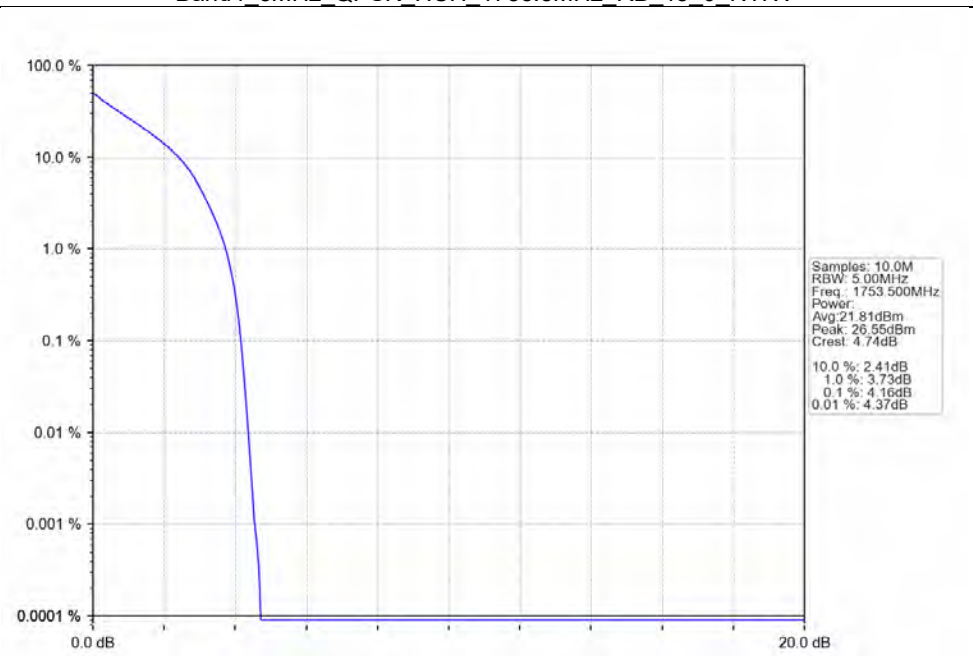
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



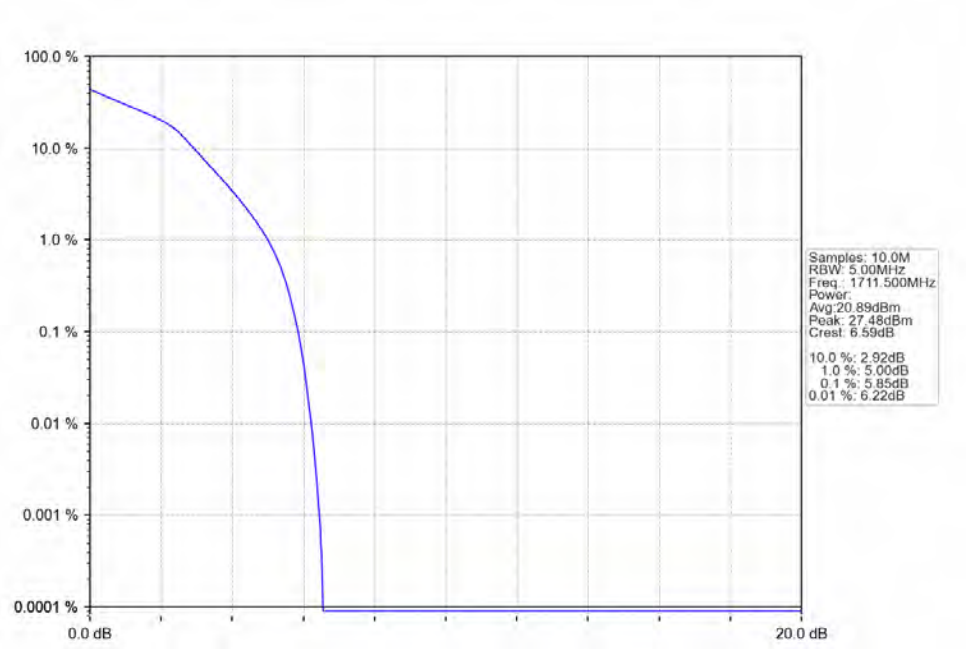
4.2.2 B4_3MHz

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV


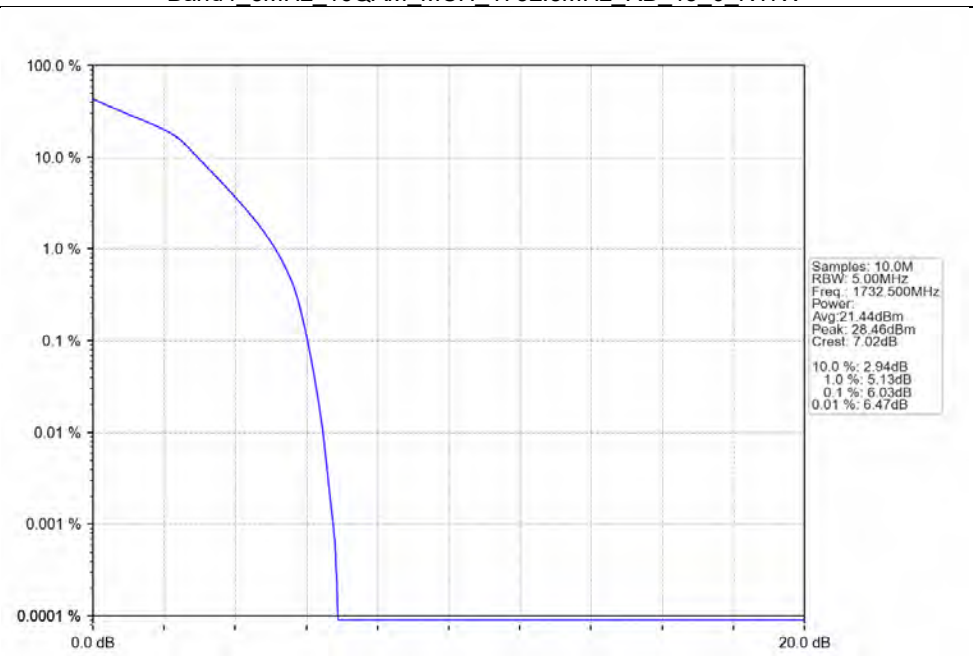
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



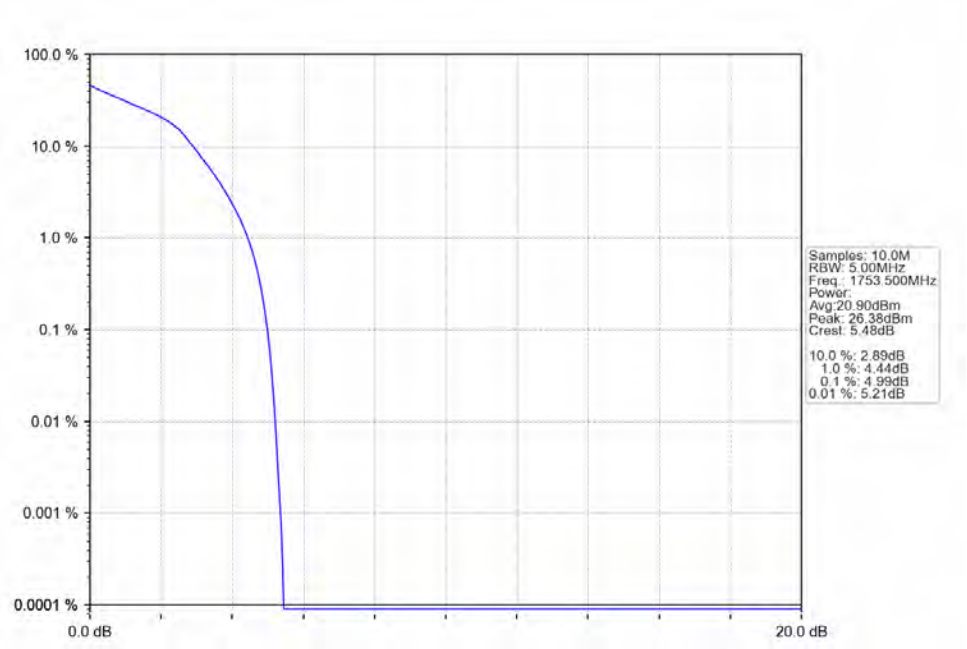
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



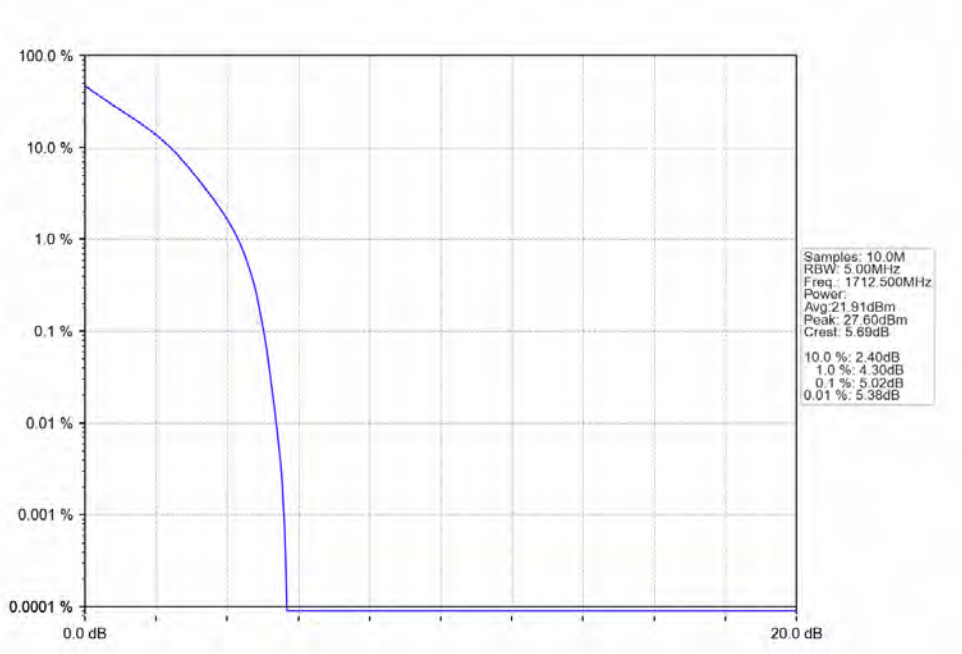
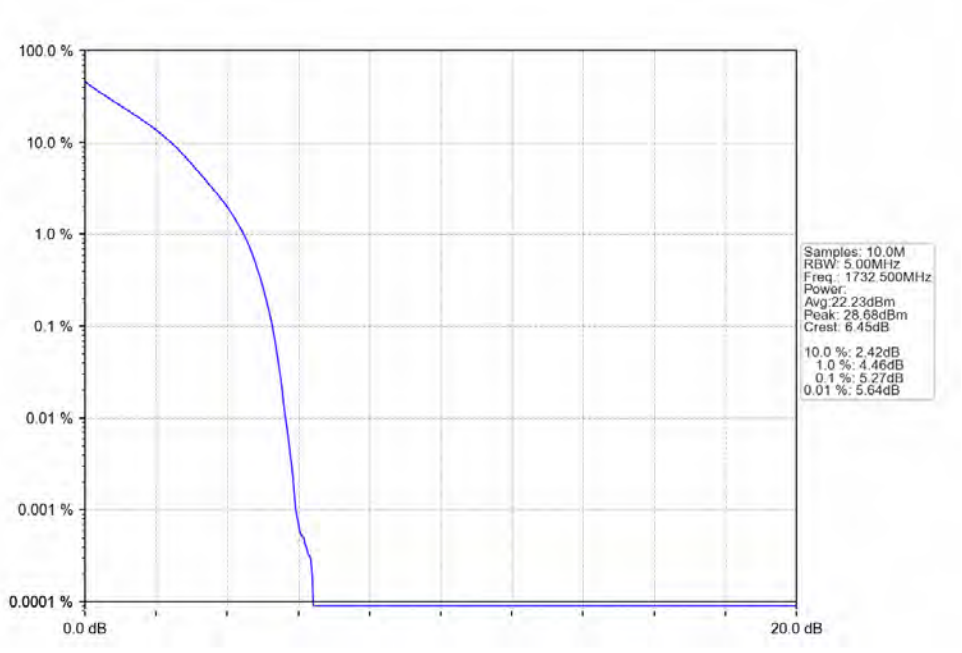
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



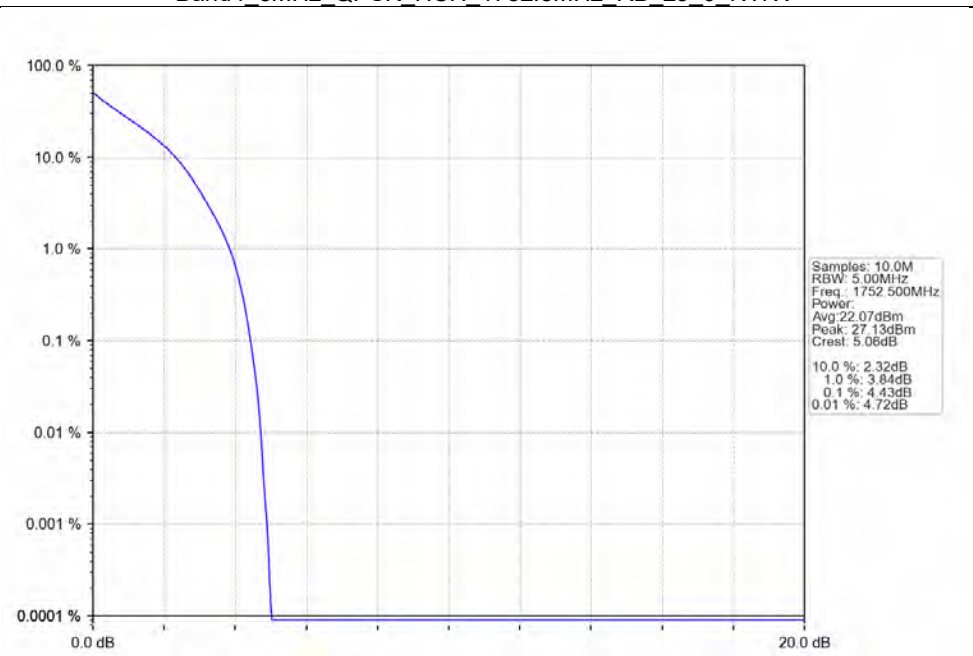
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



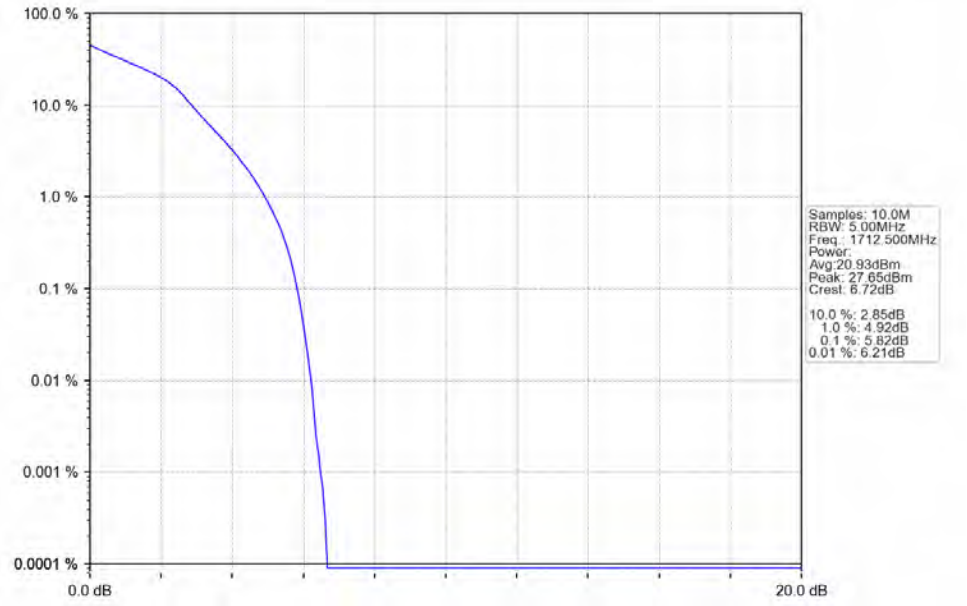
4.2.3 B4_5MHz

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV


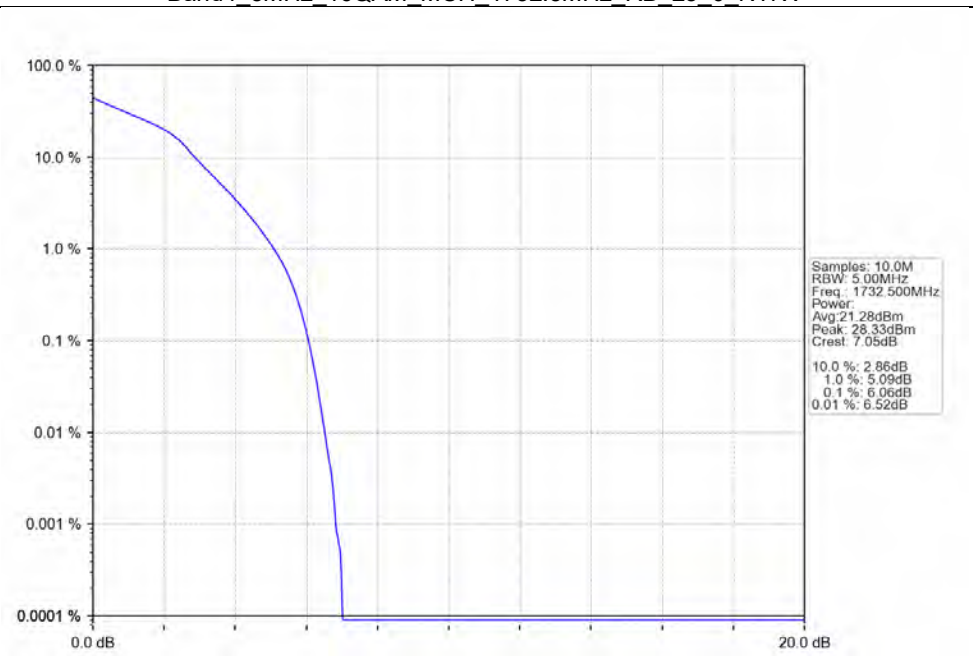
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



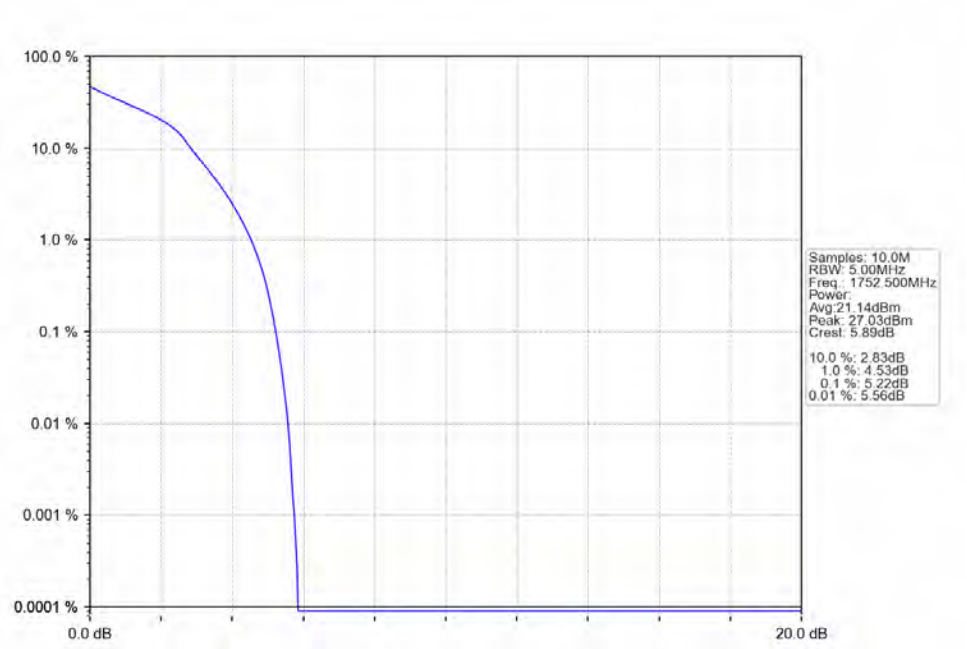
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



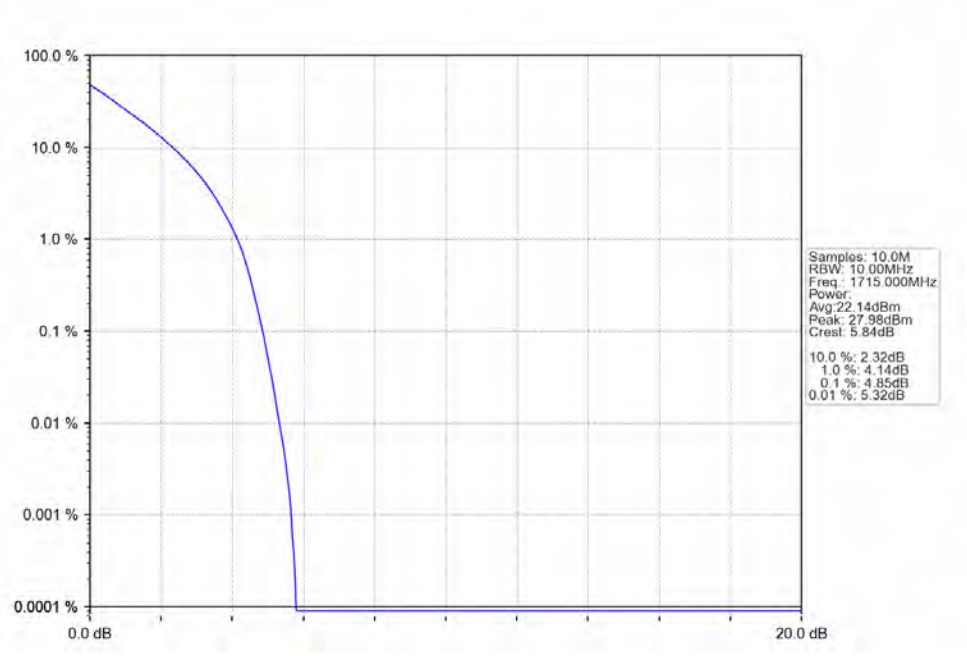
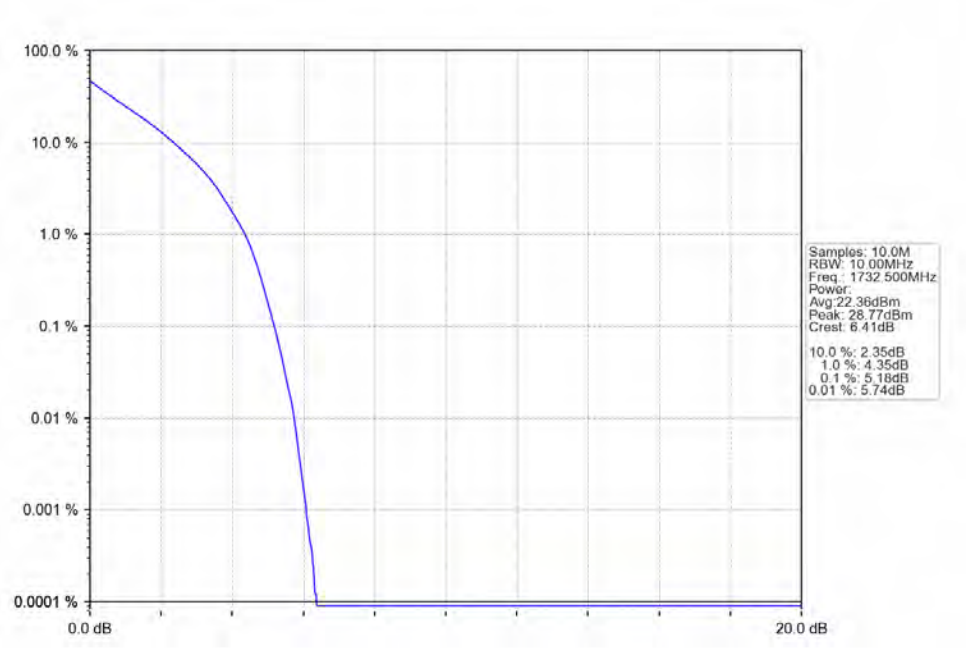
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



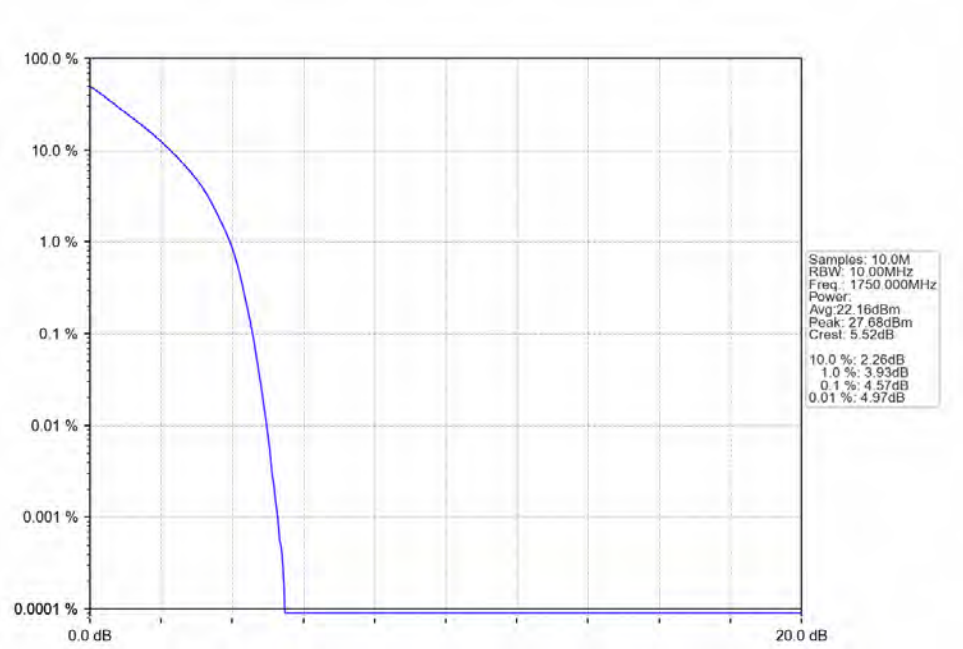
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



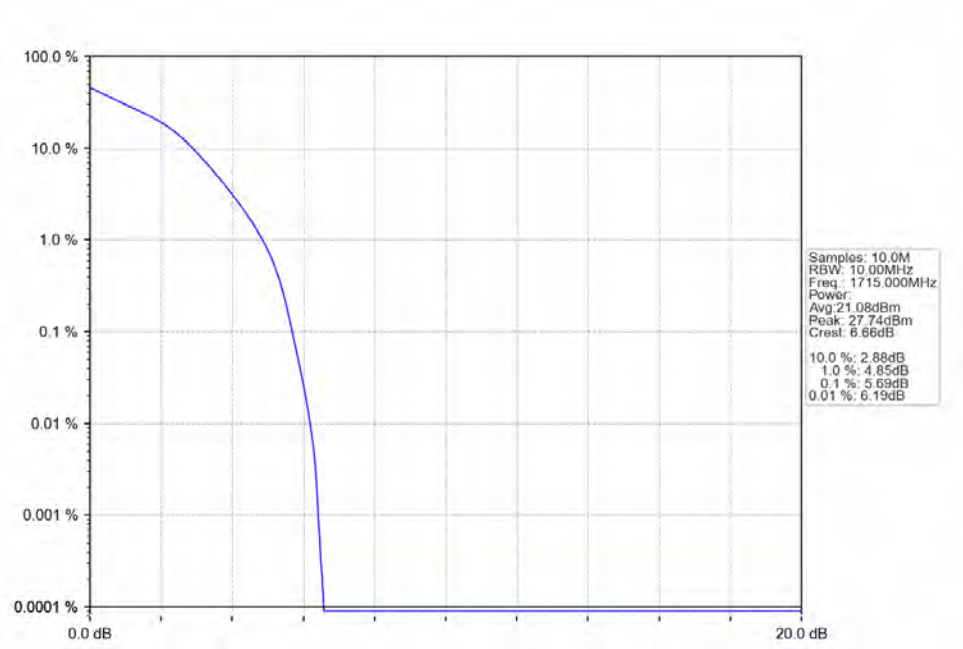
4.2.4 B4_10MHz

Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV


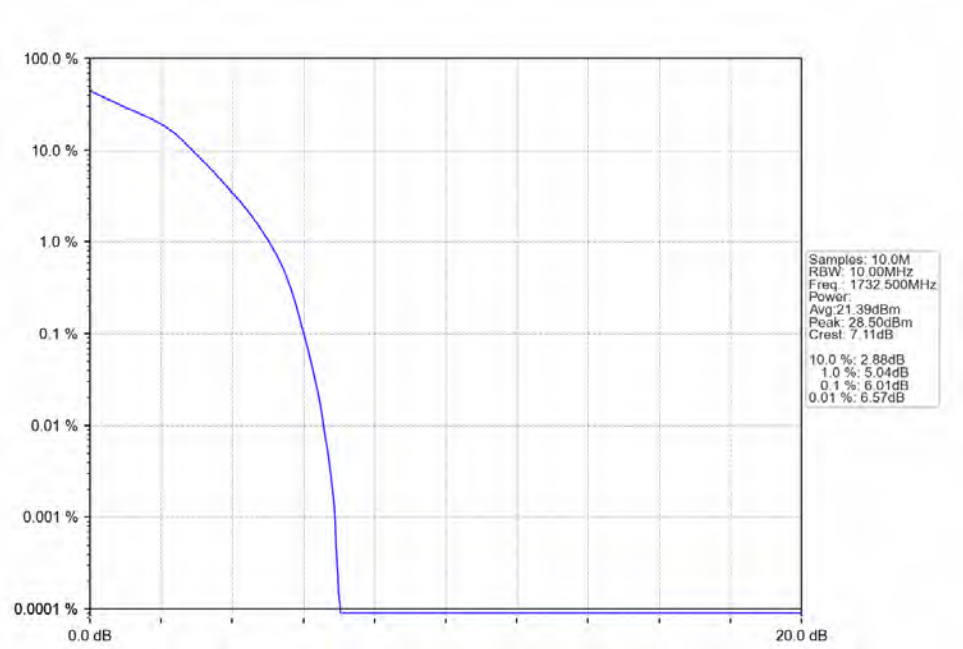
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



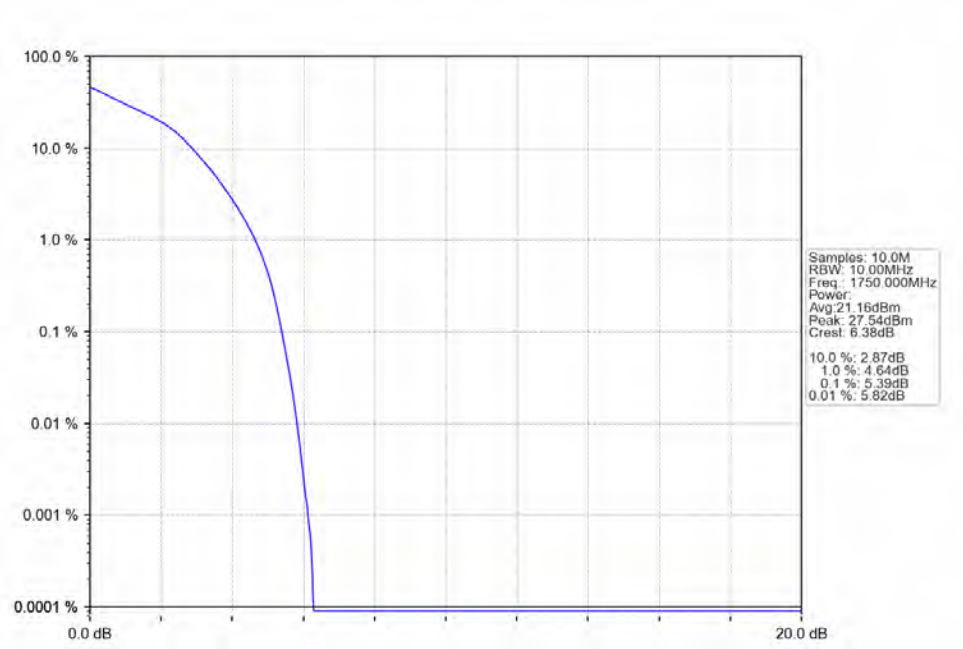
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



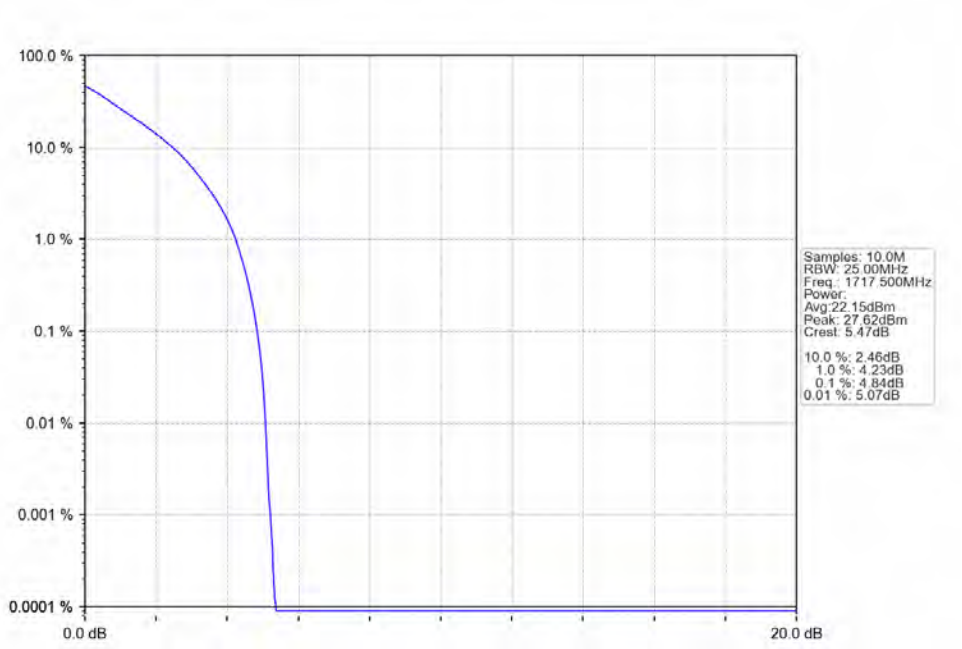
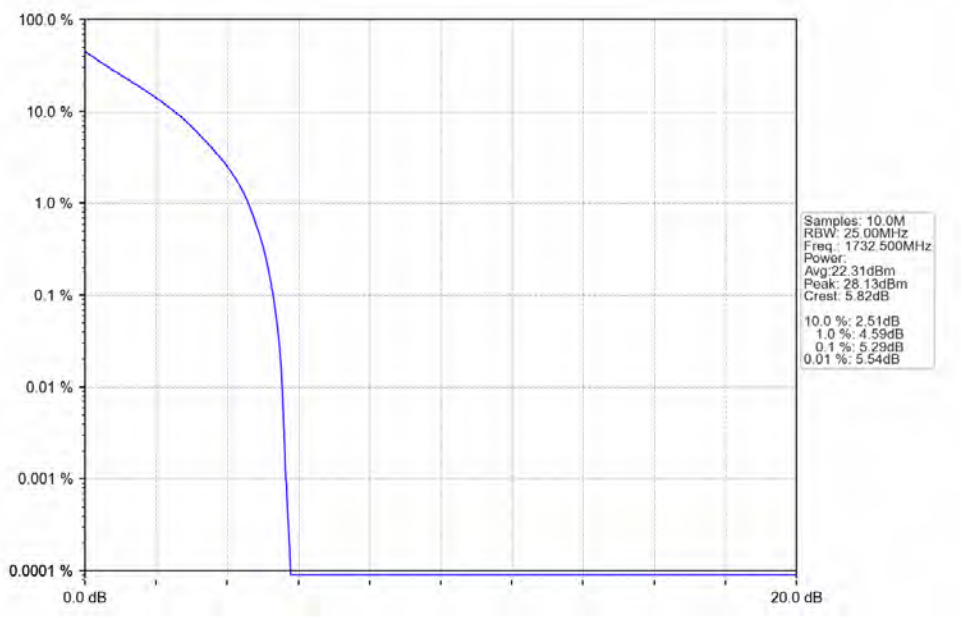
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



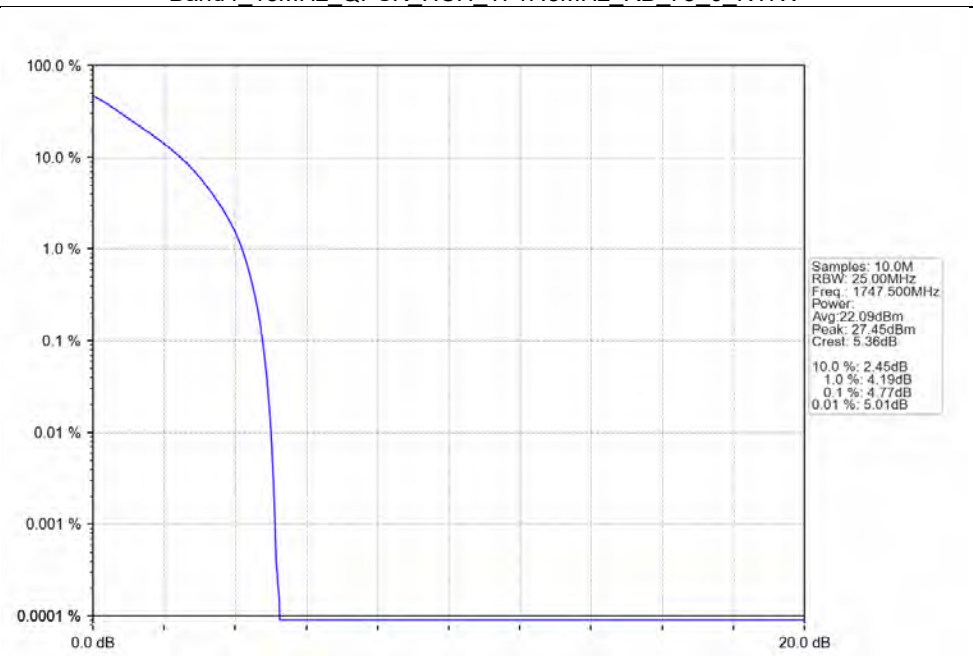
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



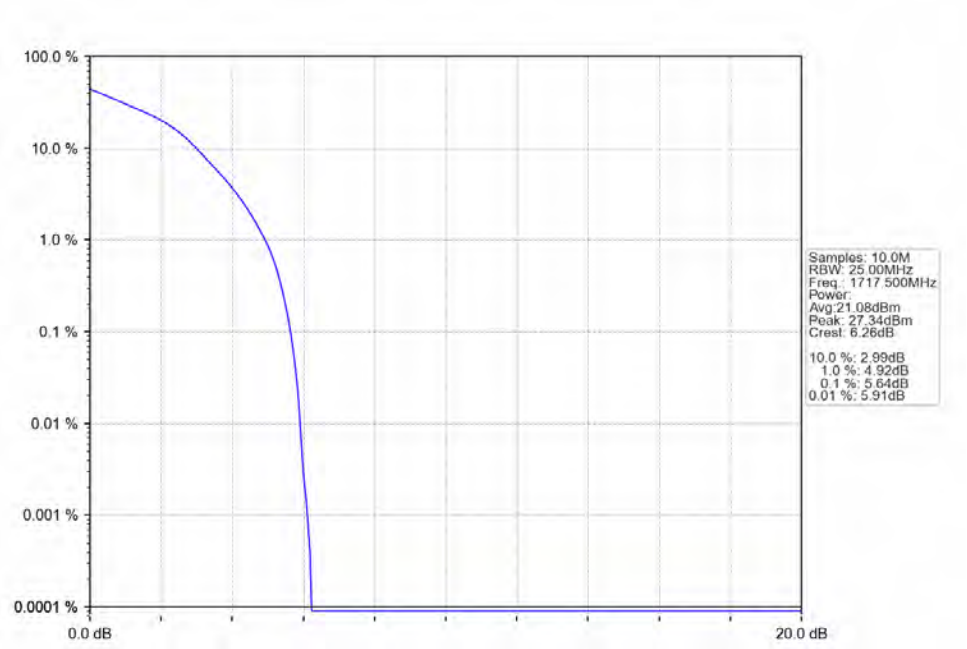
4.2.5 B4_15MHz

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV


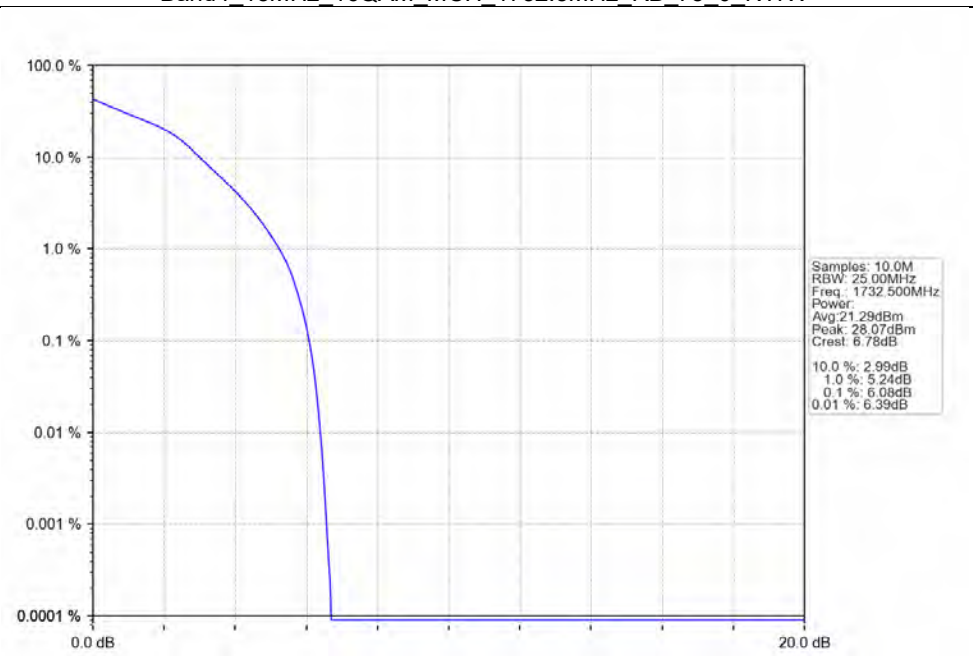
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



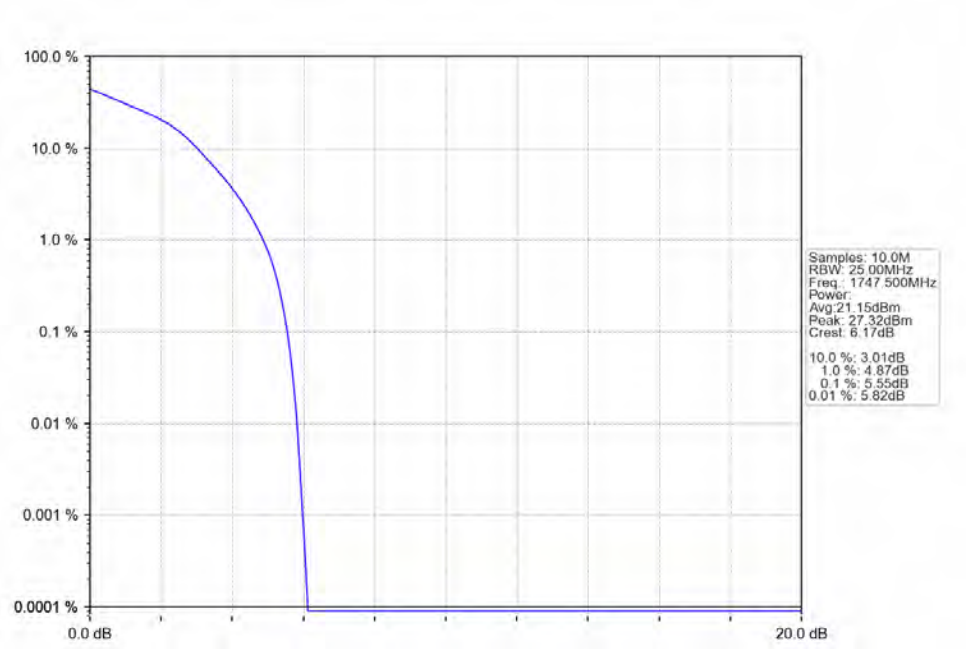
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



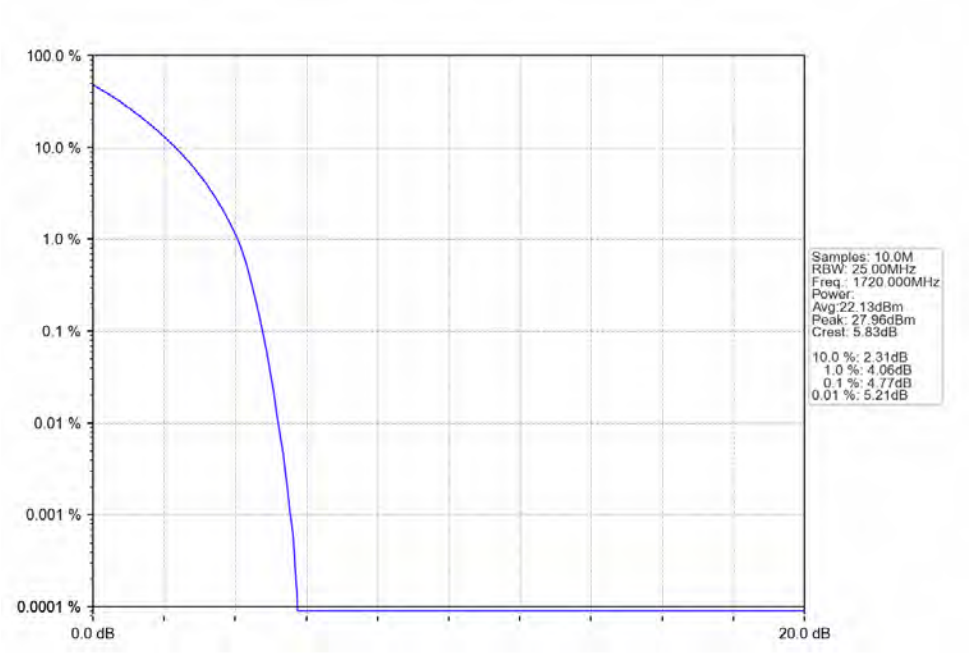
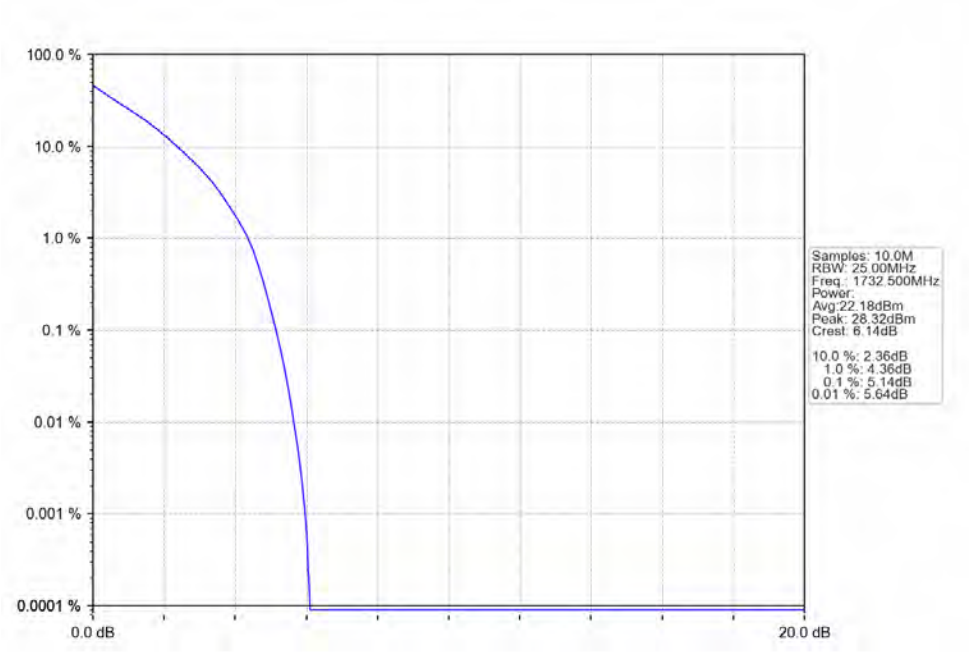
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



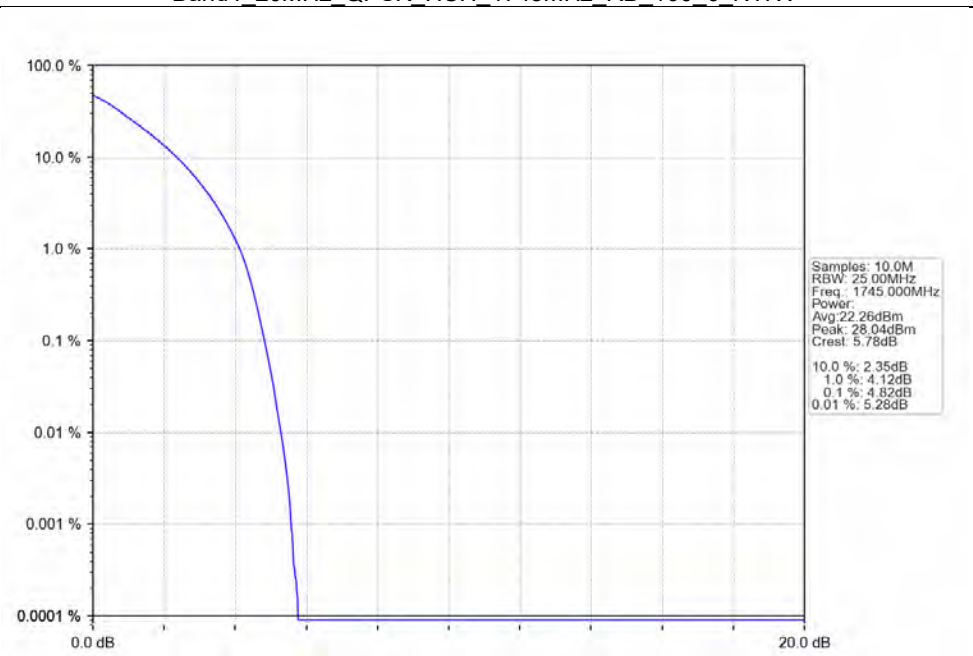
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



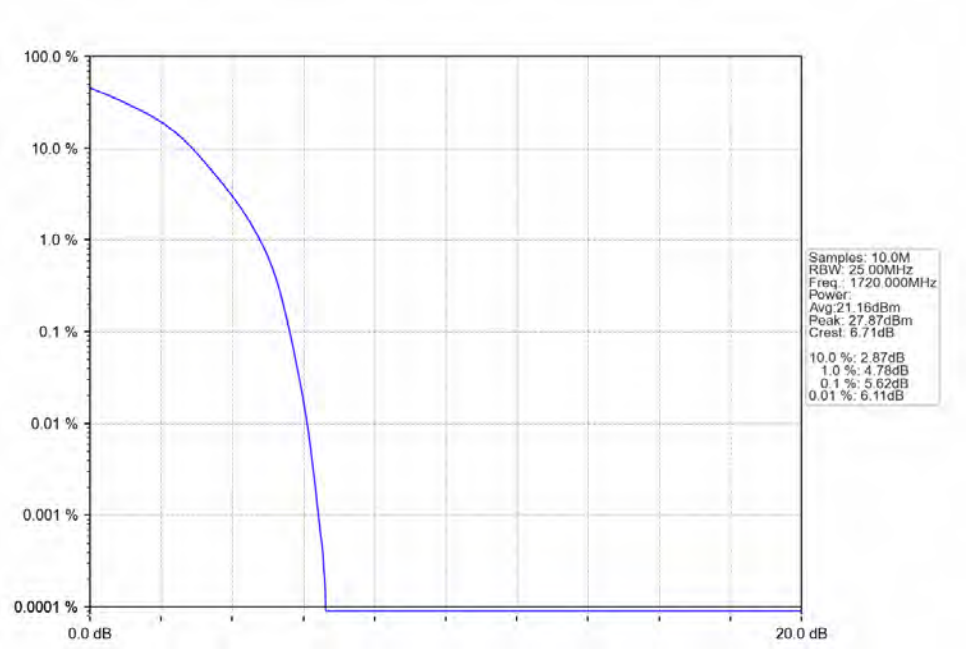
4.2.6 B4_20MHz

Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV


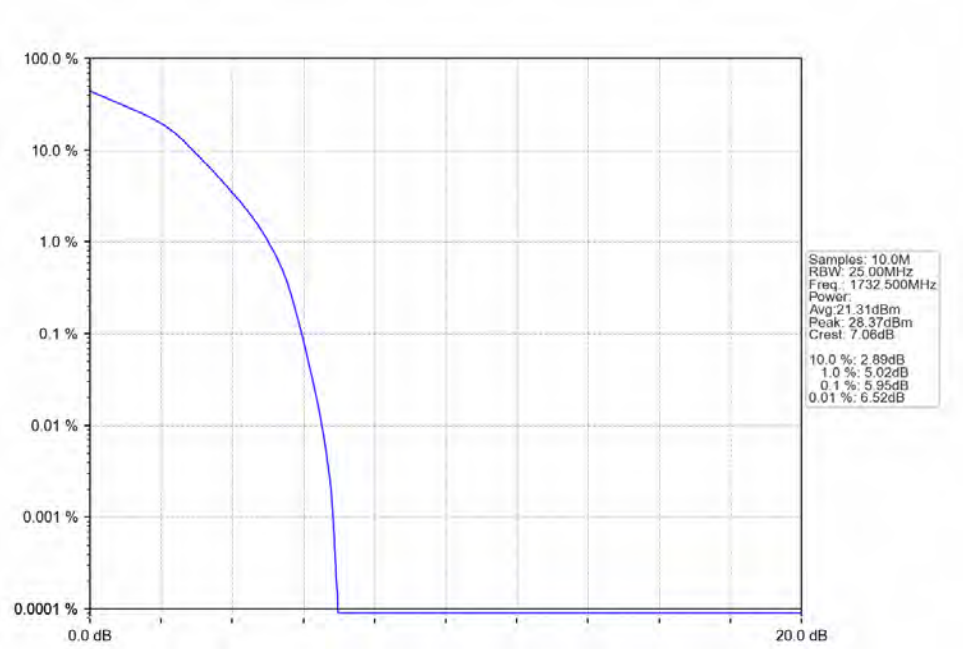
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



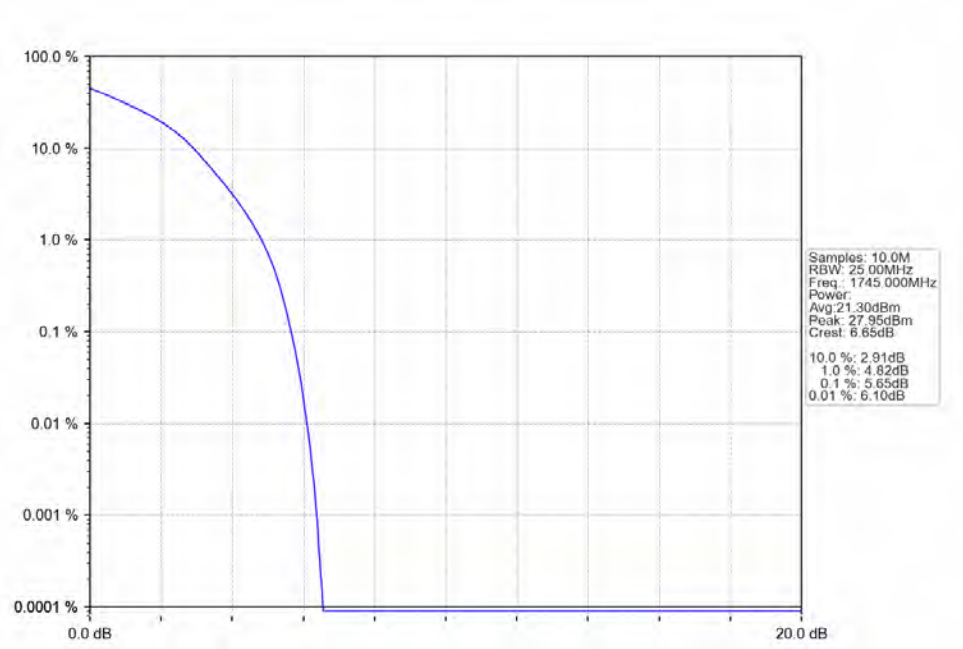
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Spurious Emission & Band Edges

5.1 Test Result

5.1.1 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

5.1.2 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

5.1.3 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

5.1.4 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

5.1.5 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

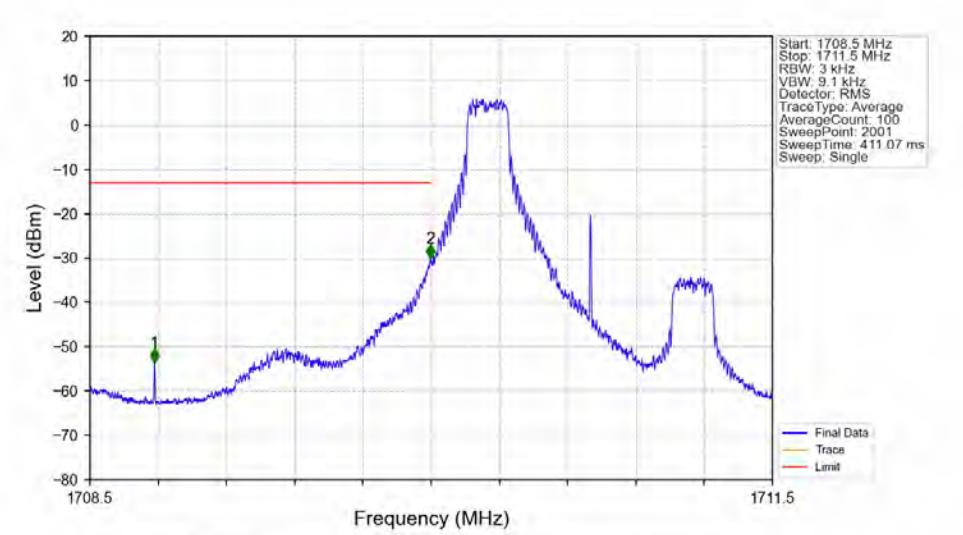
5.1.6 B4_20MHz

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

5.2 Test Graph

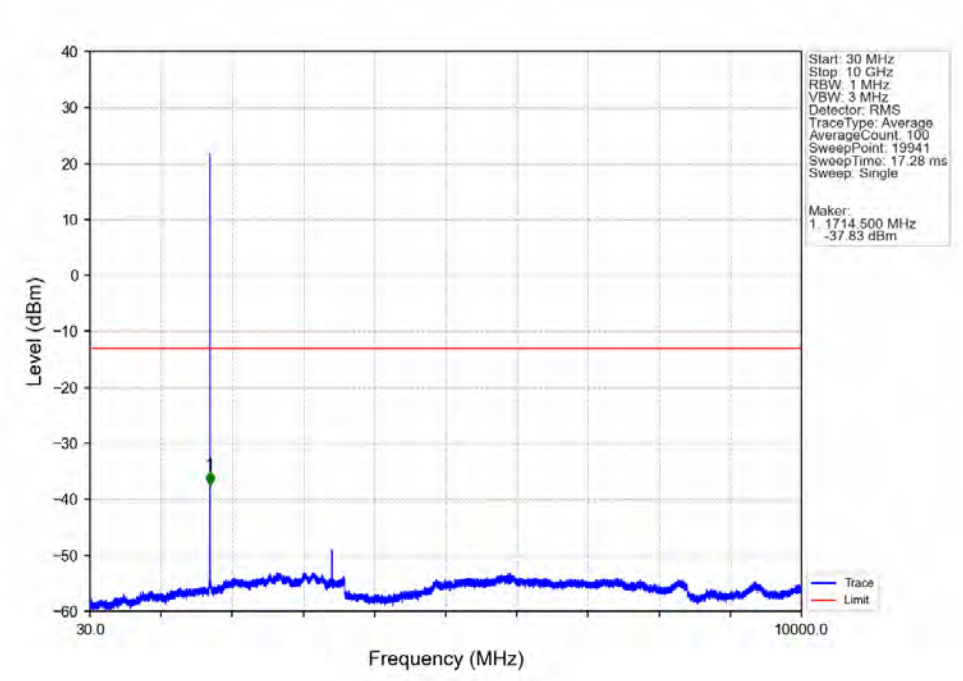
5.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

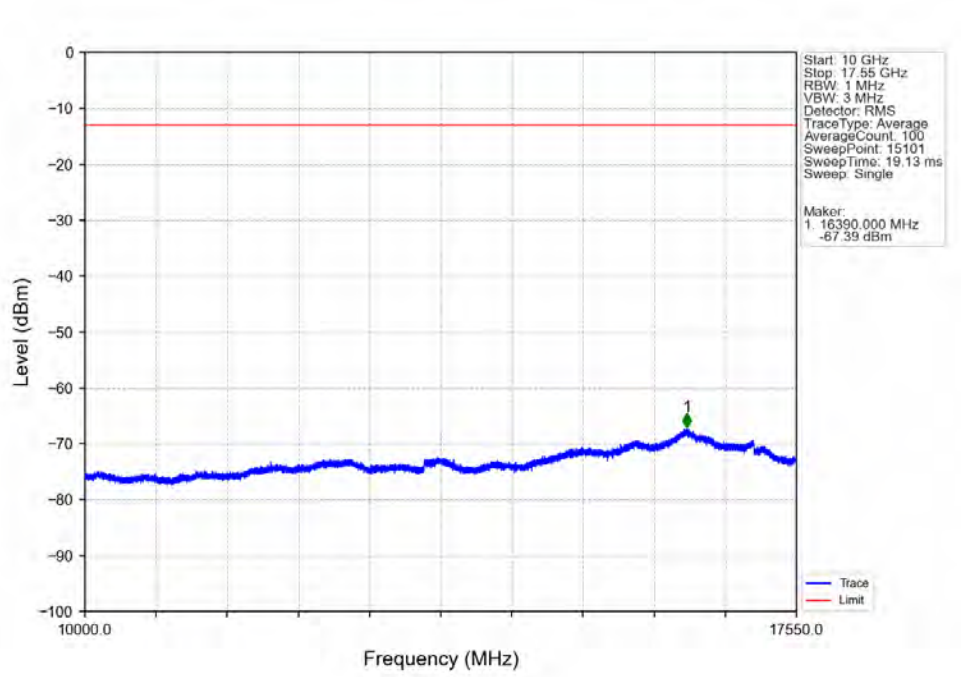


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.784	-53.56	-13	Pass
1709	1710	0.003	/	2	1709.997	-30.10	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

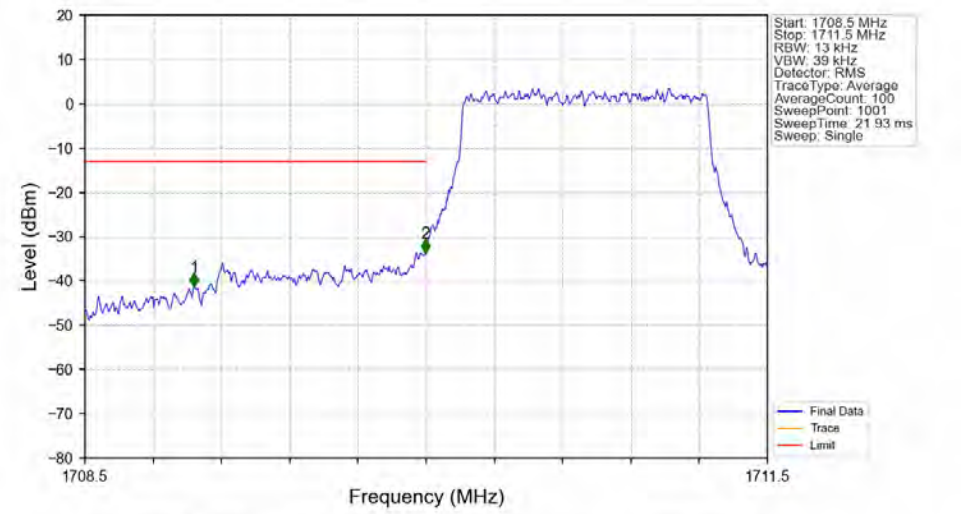
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

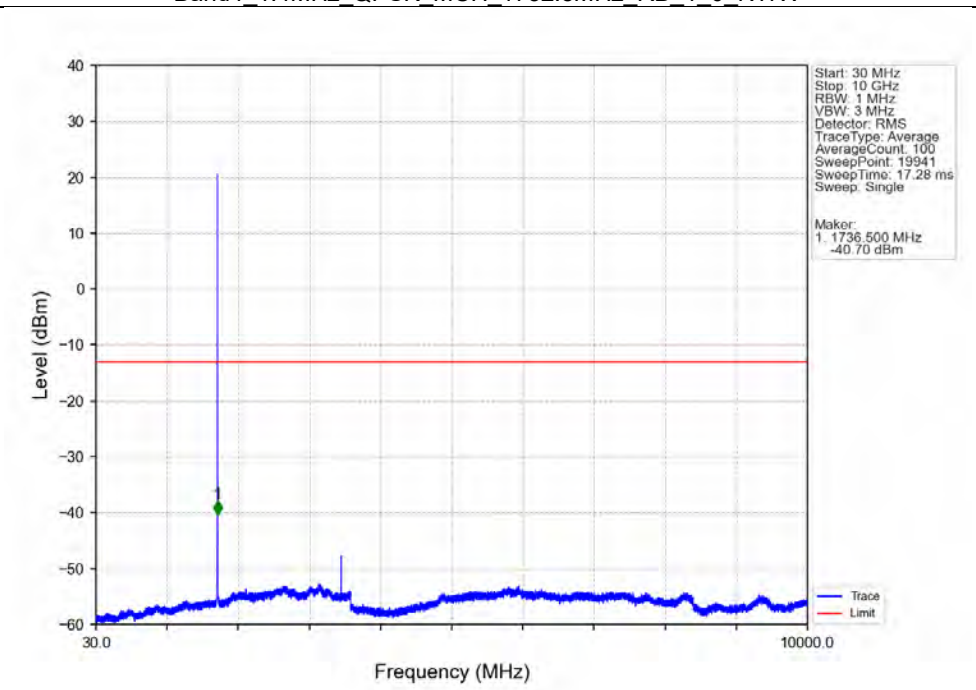


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

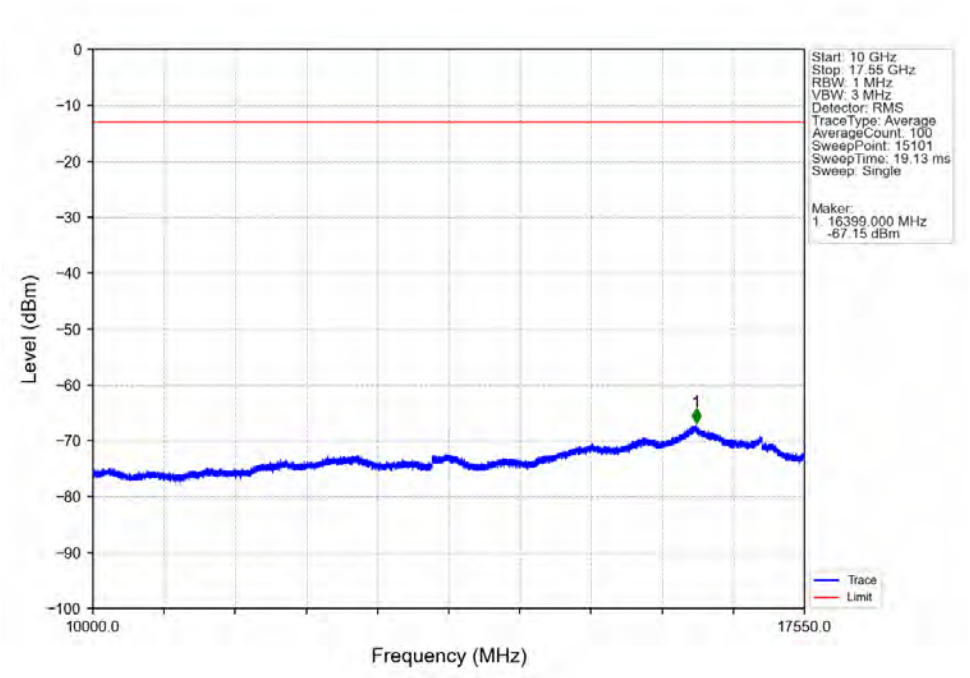


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.980	-41.27	-13	Pass
1709	1710	0.013	/	2	1709.997	-33.65	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

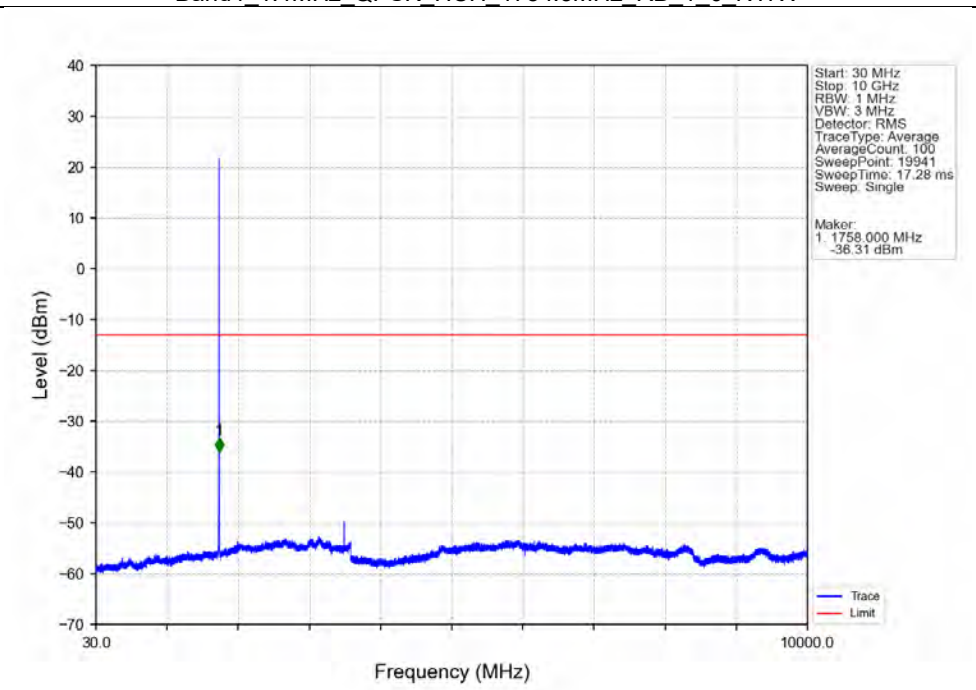
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



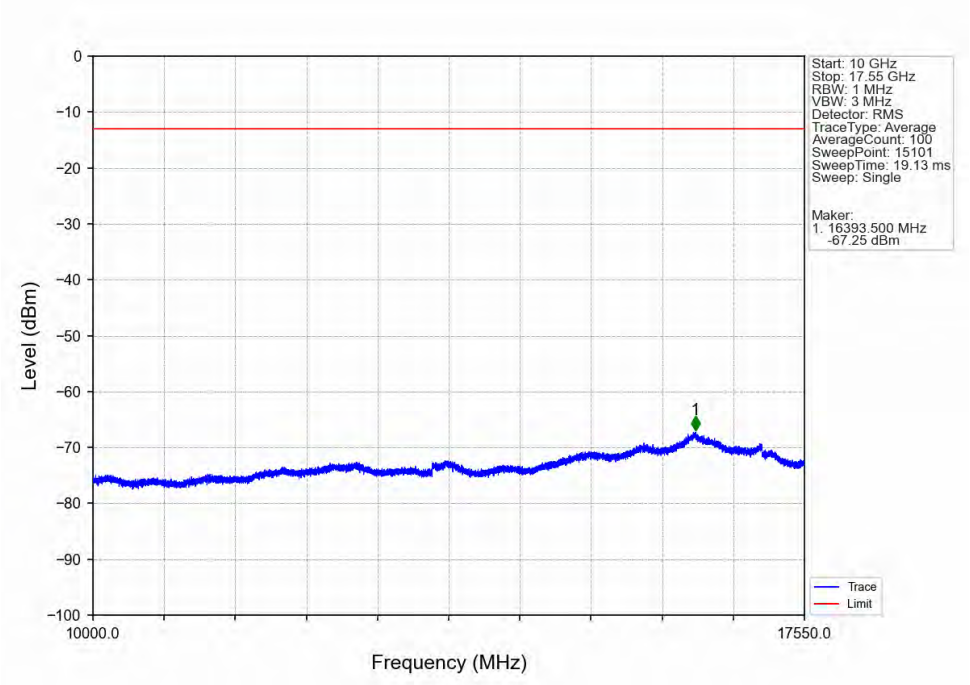
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



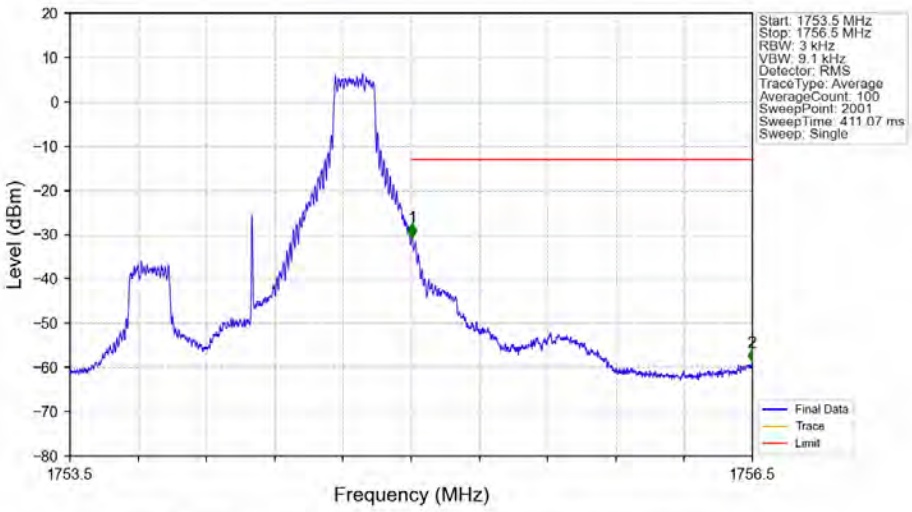
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

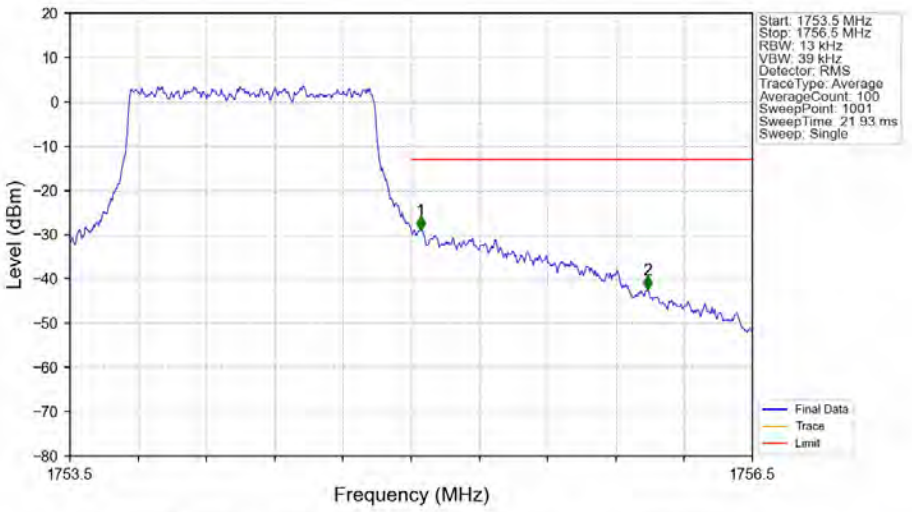


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.005	-30.50	-13	Pass
1756	1756.5	1	/	2	1756.498	-58.76	-13	Pass

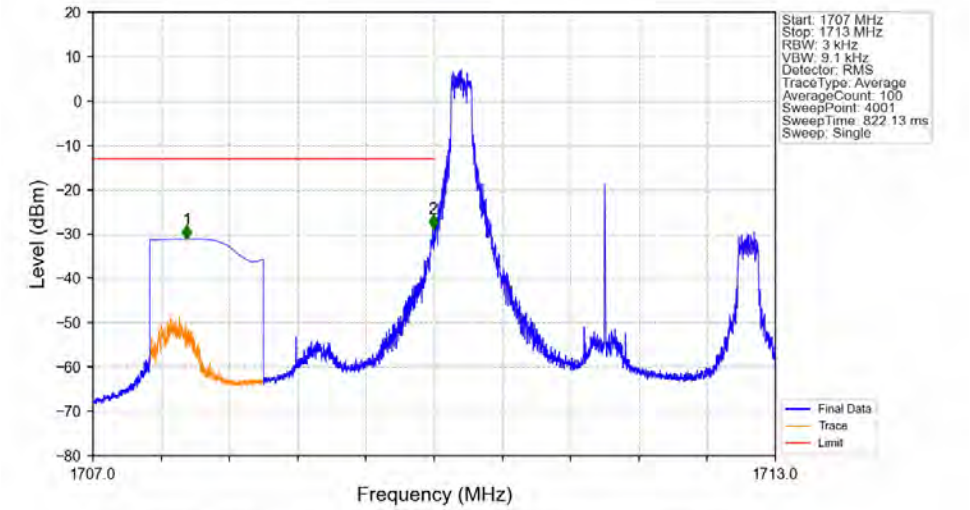
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



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	1755.042	-28.87	-13	Pass
1756	1756.5	1	/	2	1756.038	-42.48	-13	Pass

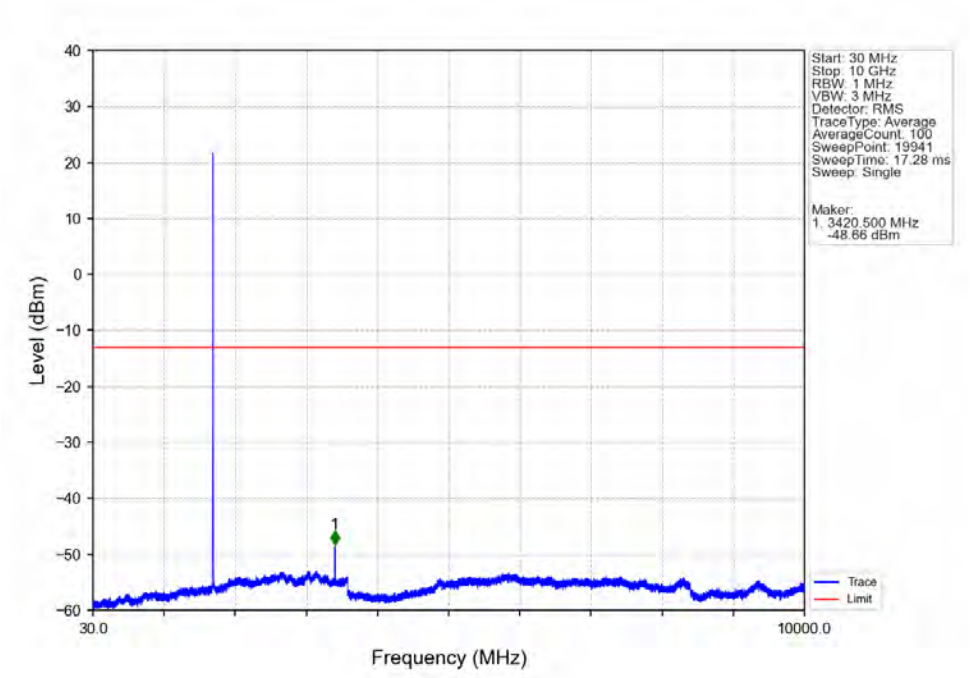
5.2.2 B4_3MHz

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

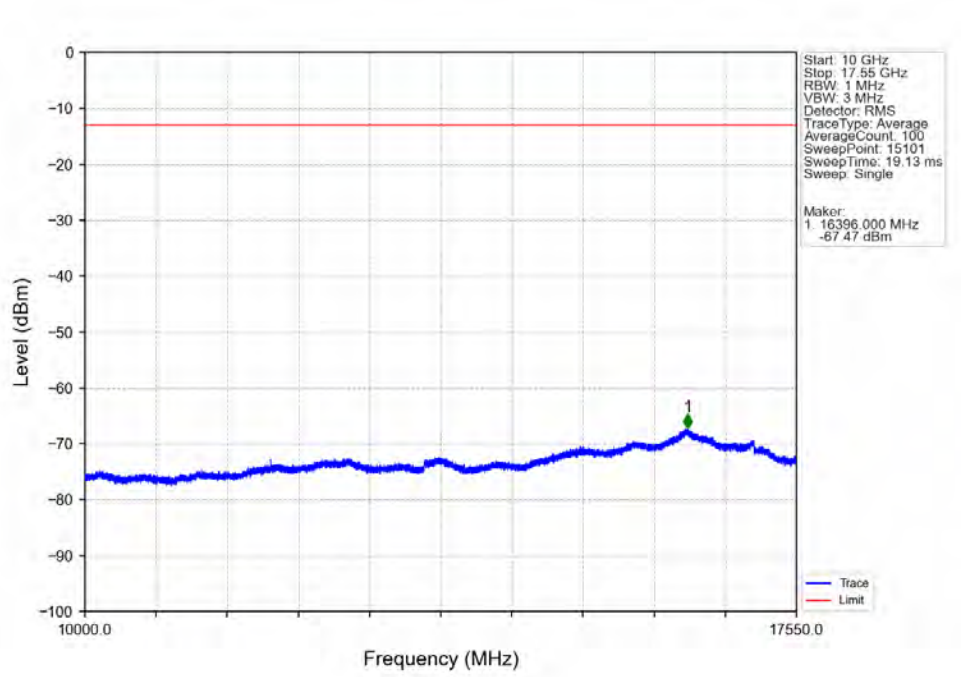


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1707.825	-31.14	-13	Pass
1709	1710	0.003	/	2	1709.989	-28.80	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

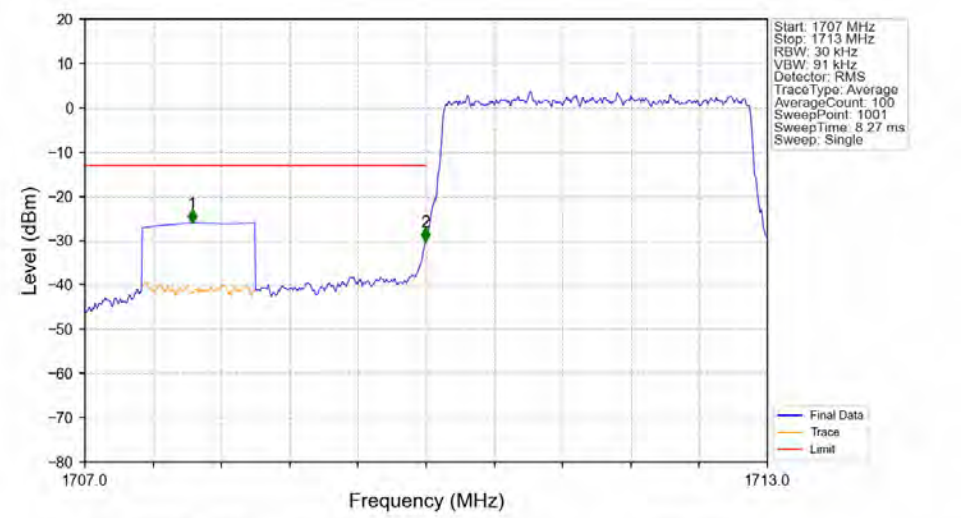
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

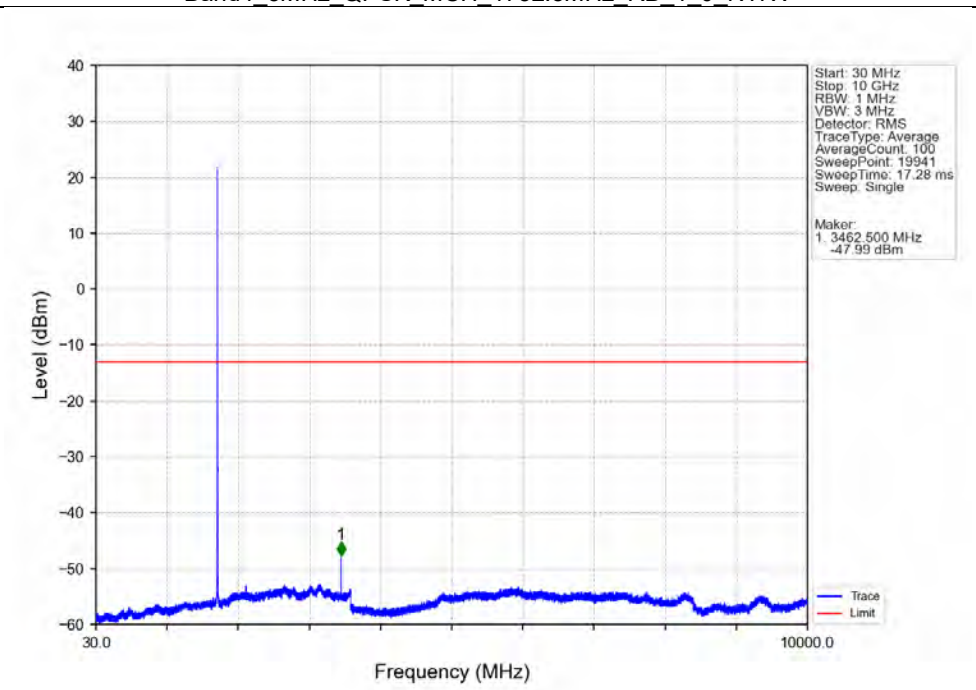


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

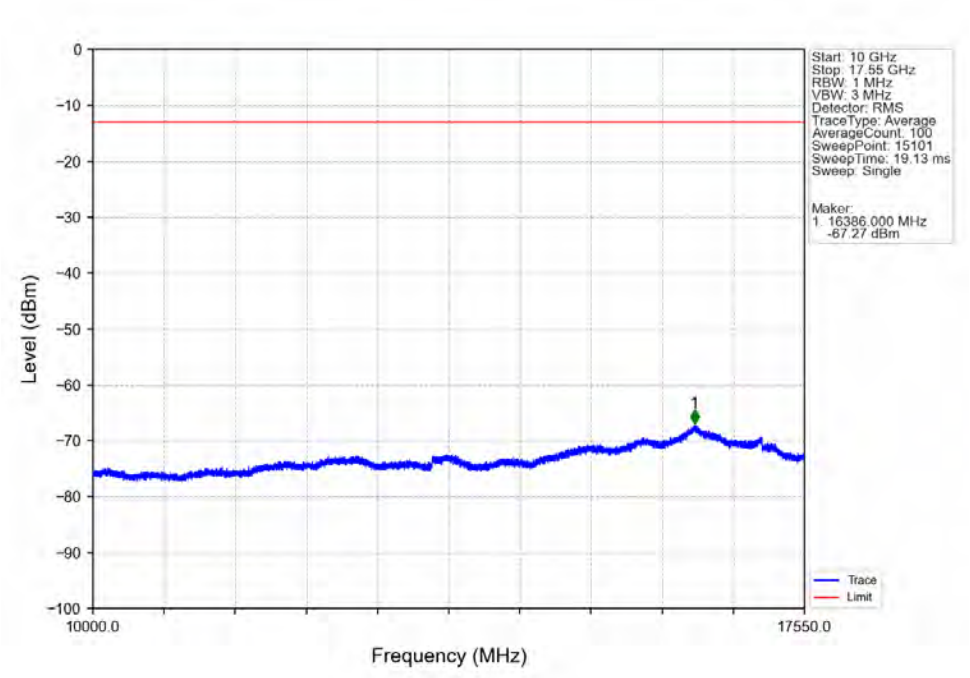


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1707.942	-26.03	-13	Pass
1709	1710	0.03	/	2	1709.994	-30.14	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

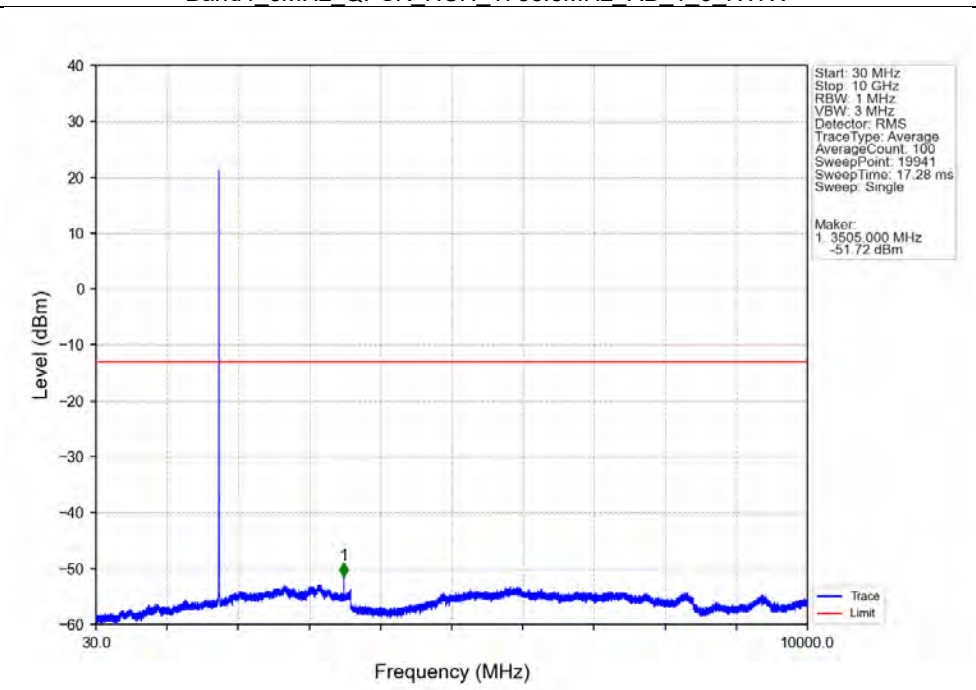
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



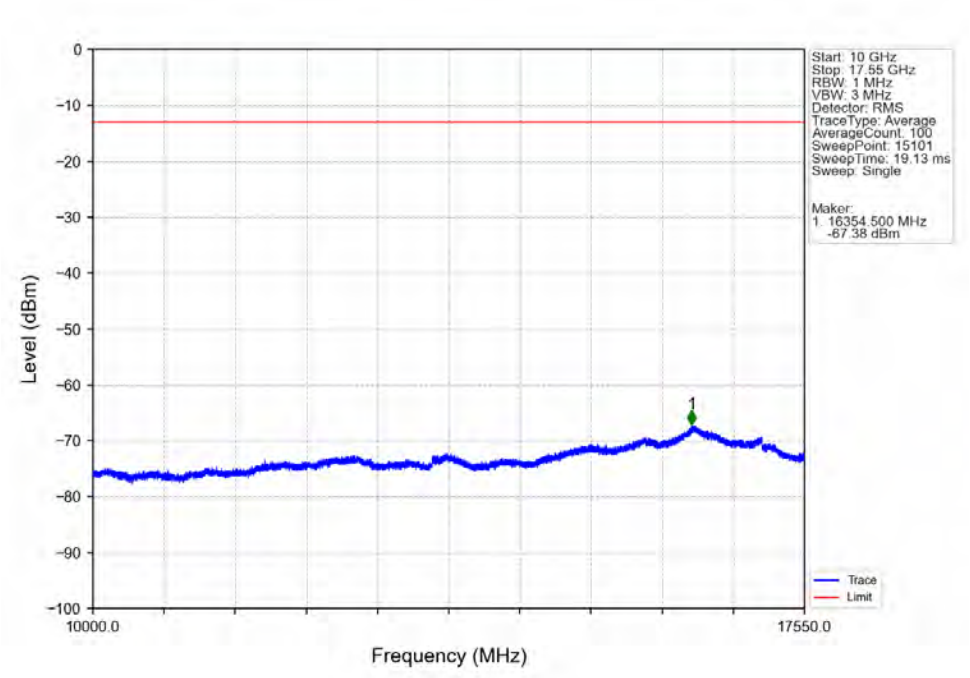
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



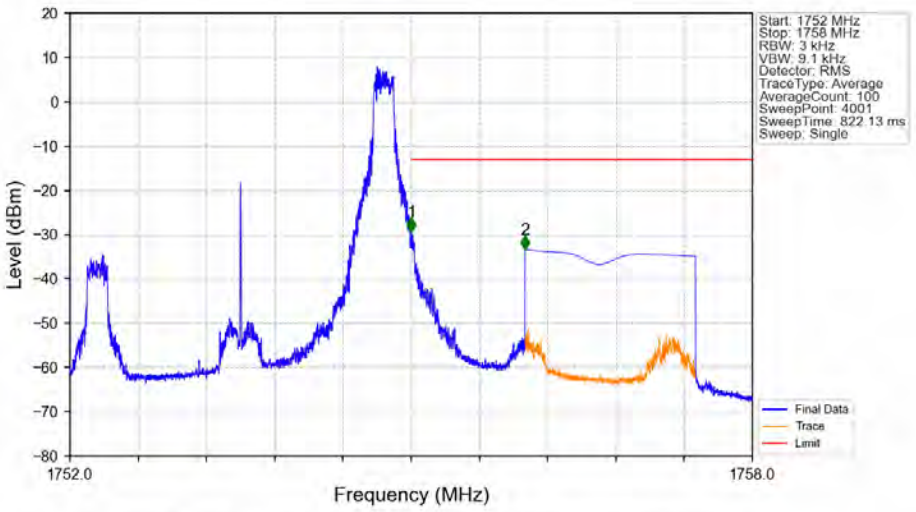
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

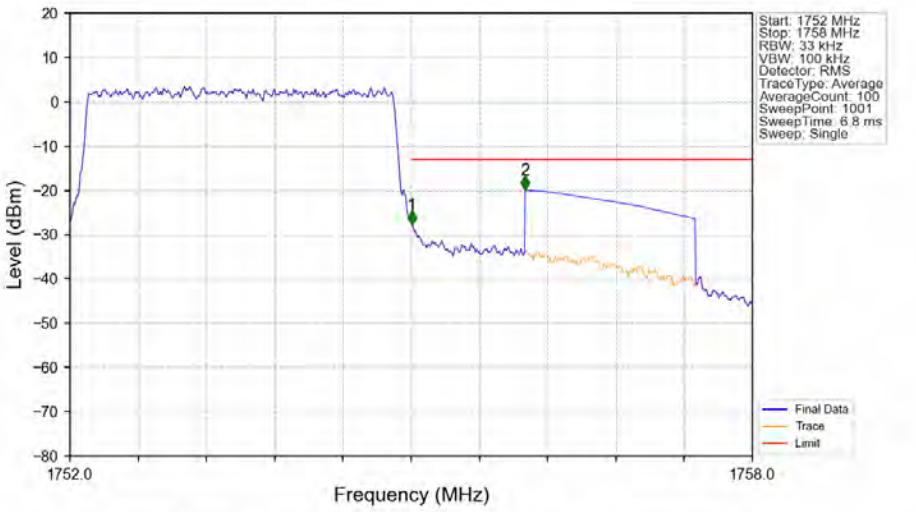


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



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	1755.002	-29.26	-13	Pass
1756	1758	1	CHP	2	1756.001	-33.38	-13	Pass

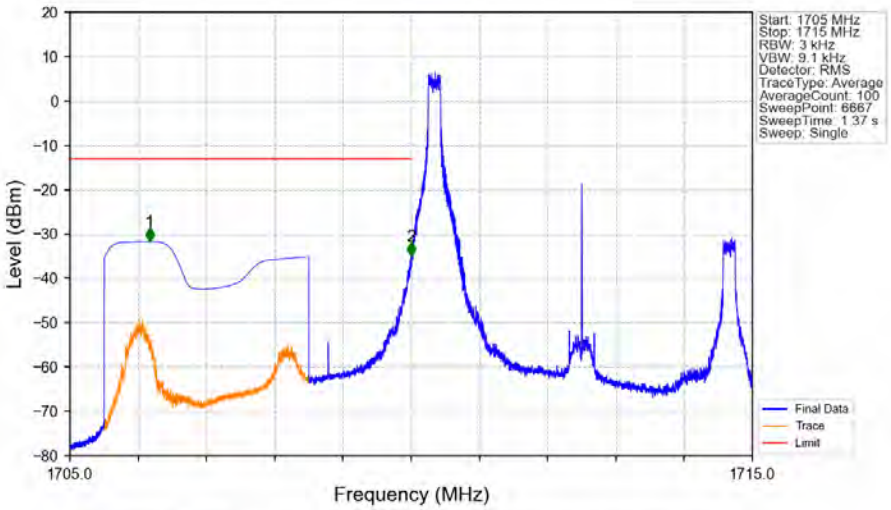
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



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	1755.006	-27.69	-13	Pass
1756	1758	1	CHP	2	1756.002	-19.85	-13	Pass

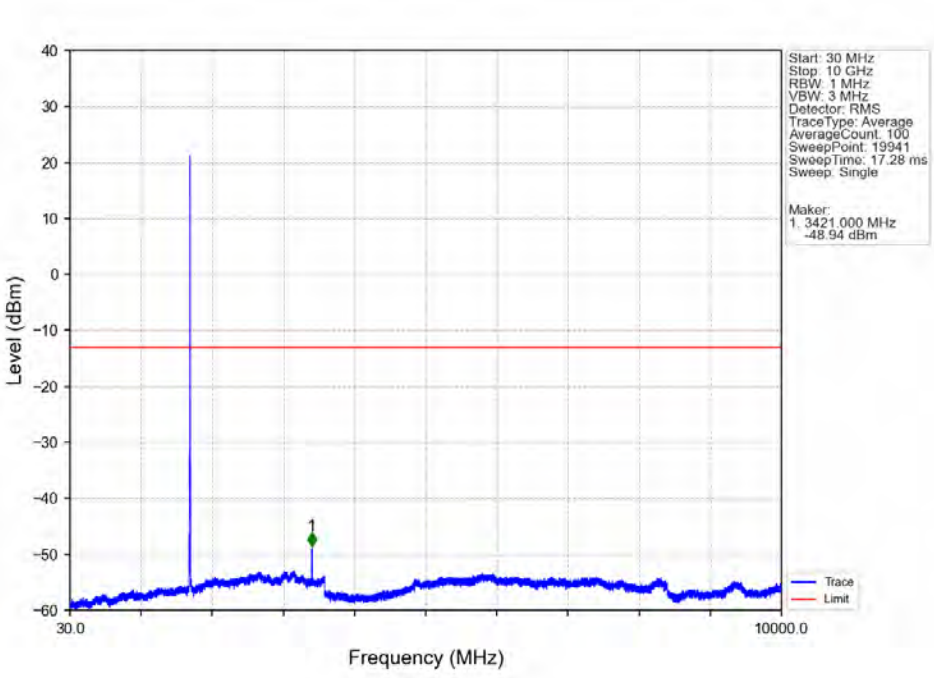
5.2.3 B4_5MHz

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

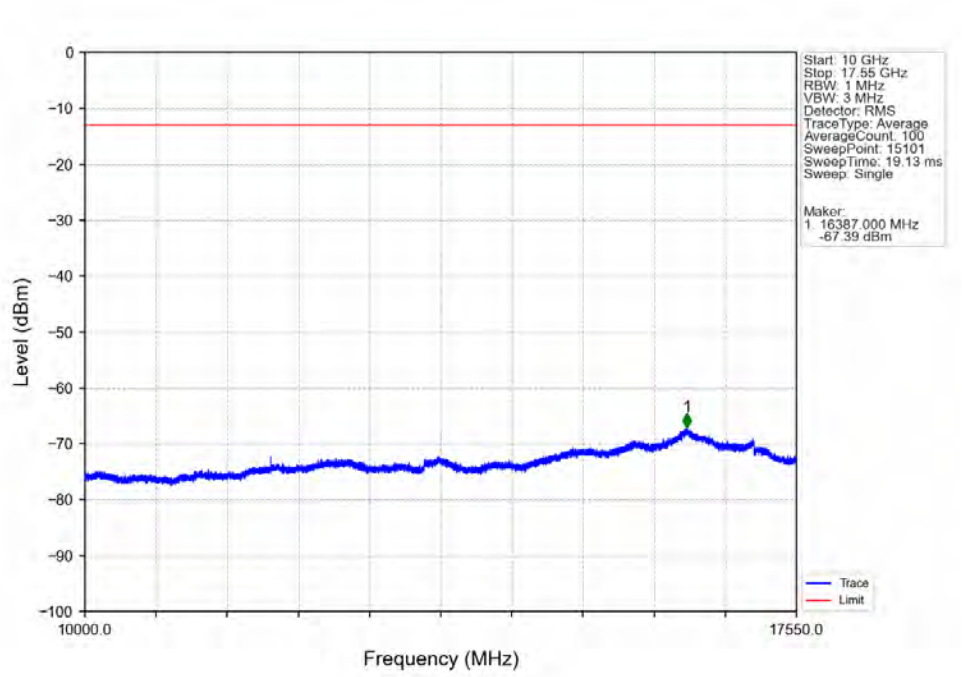


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1706.169	-31.68	-13	Pass
1709	1710	0.003	/	2	1709.998	-34.99	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

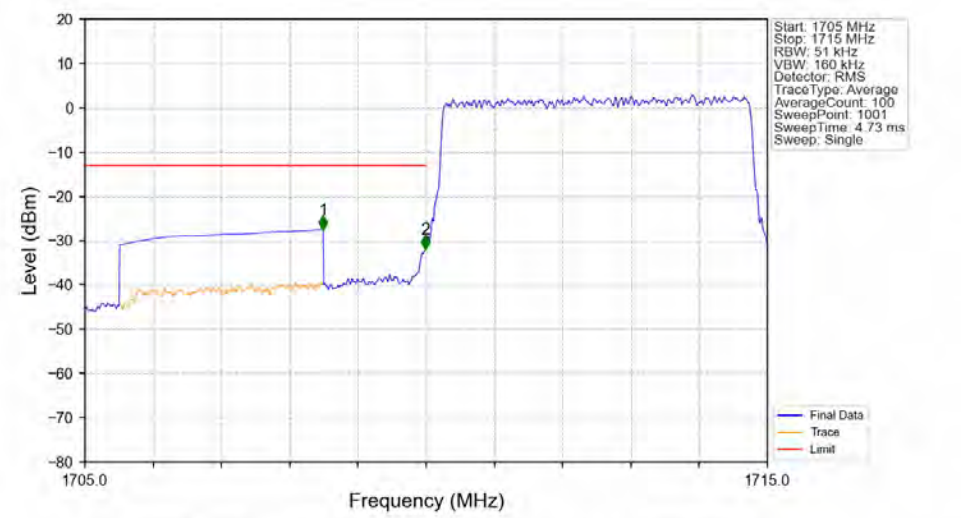
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

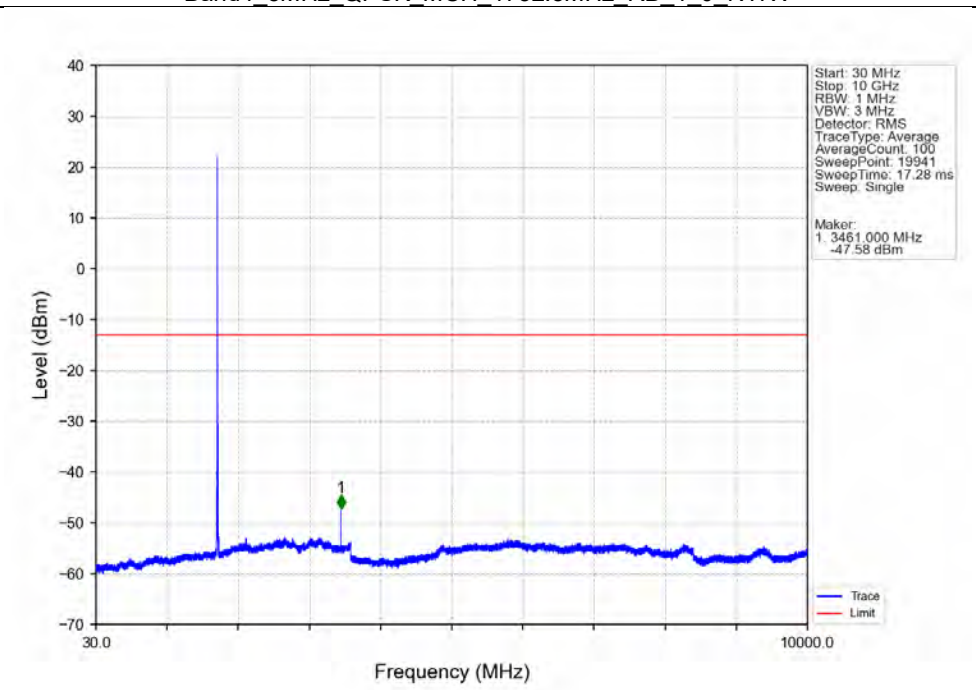


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

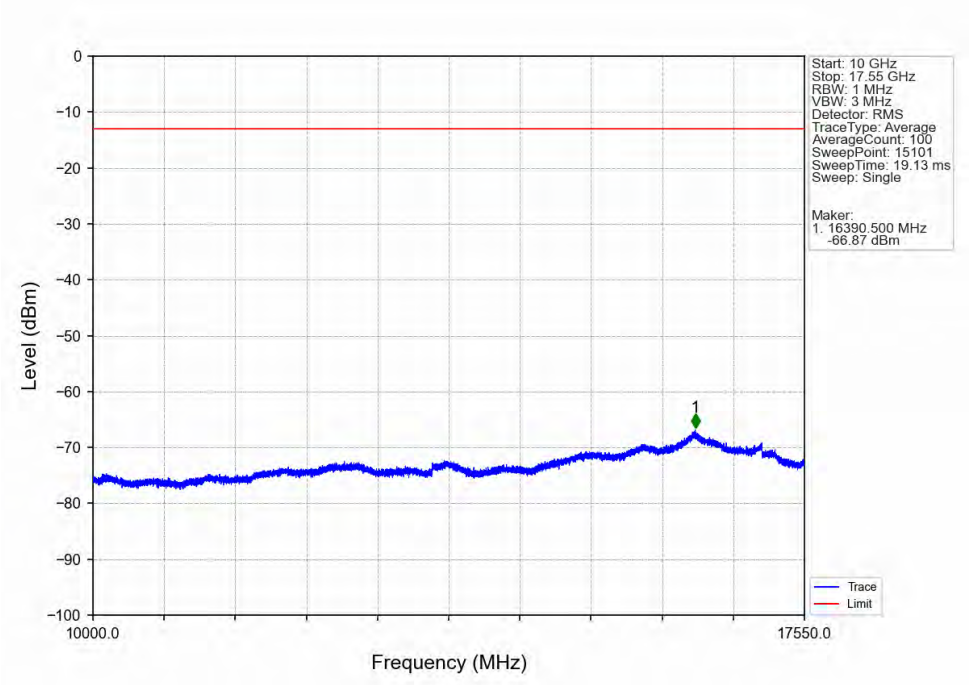


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-27.48	-13	Pass
1709	1710	0.051	/	2	1709.990	-31.78	-13	Pass
1710	1715	0.051	/	/	/	/	/	/

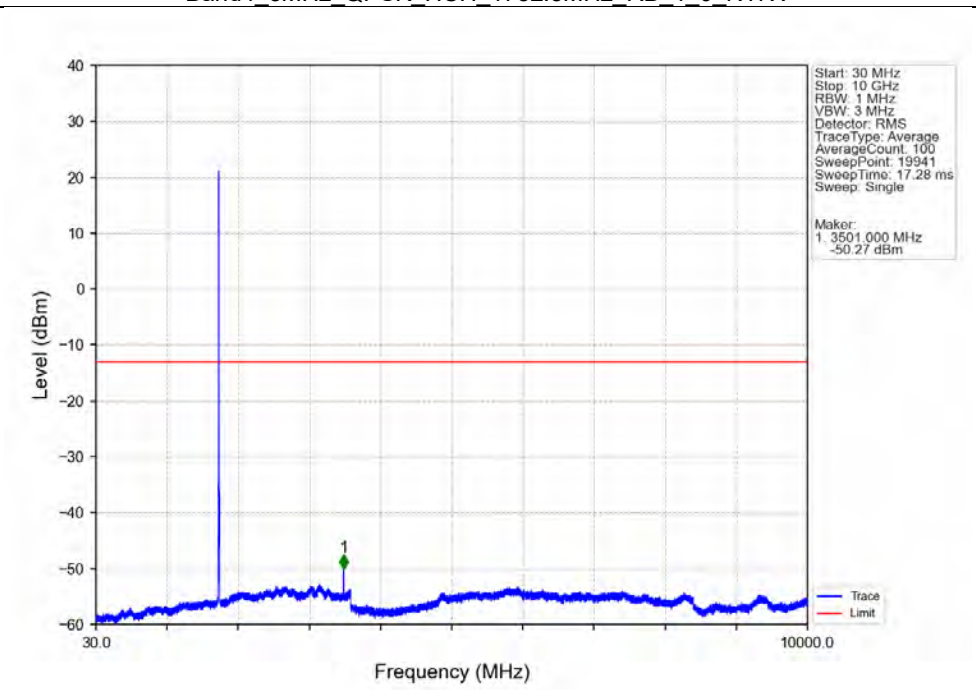
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



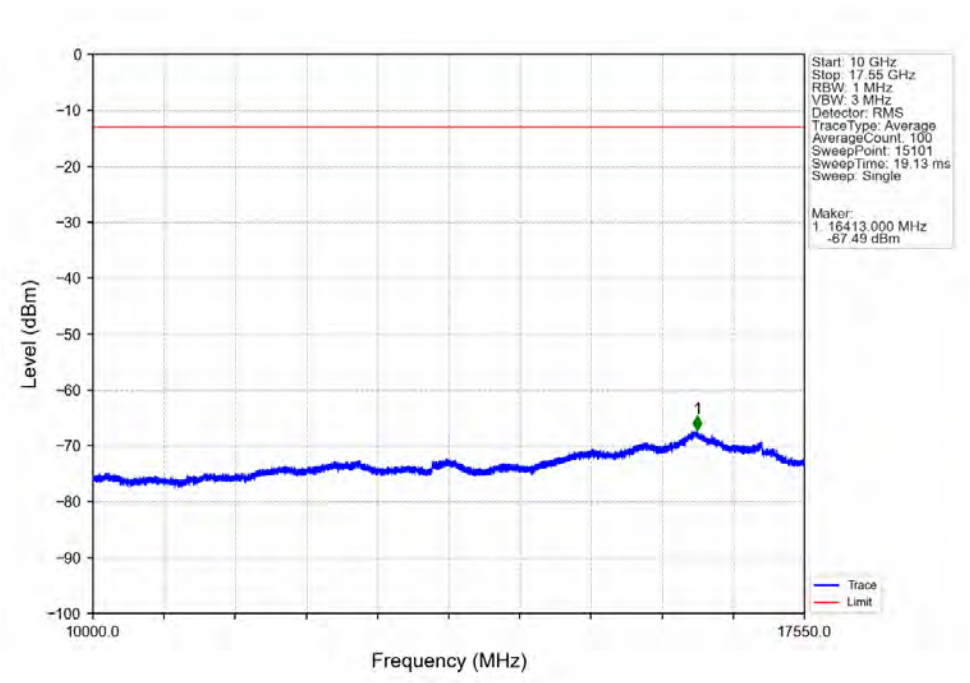
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



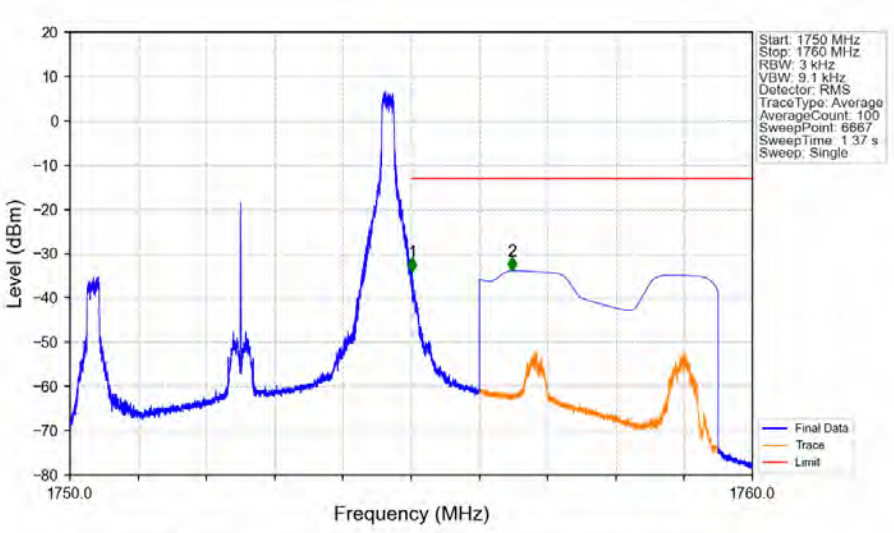
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

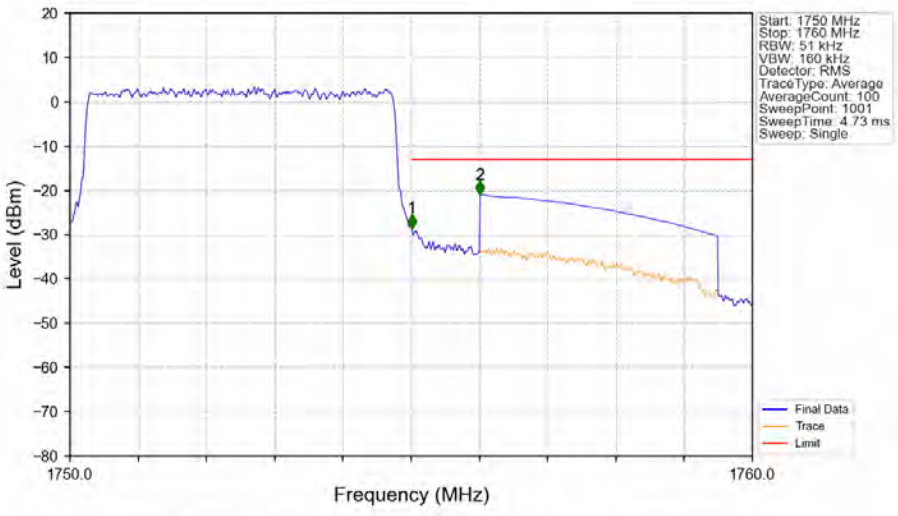


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



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	1755.015	-34.02	-13	Pass
1756	1760	1	CHP	2	1756.476	-33.80	-13	Pass

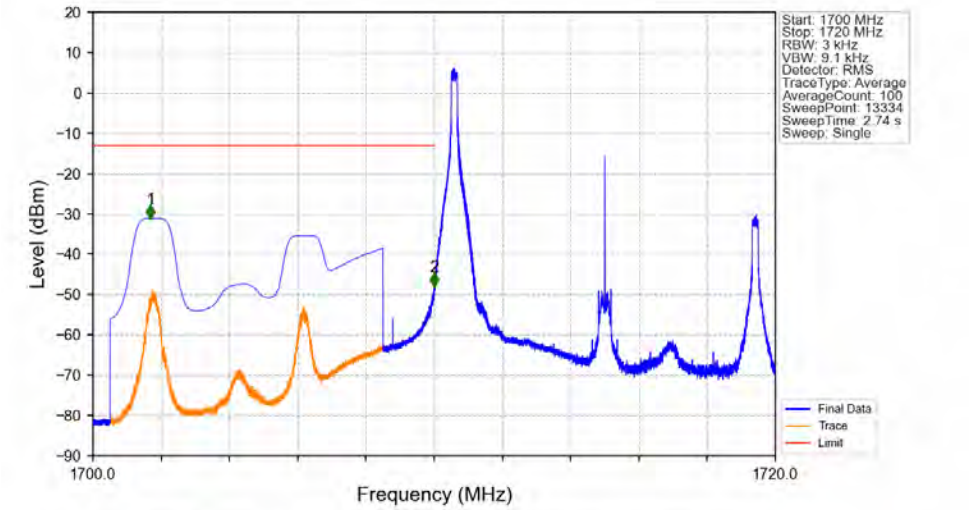
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



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	1755.010	-28.49	-13	Pass
1756	1760	1	CHP	2	1756.010	-20.99	-13	Pass

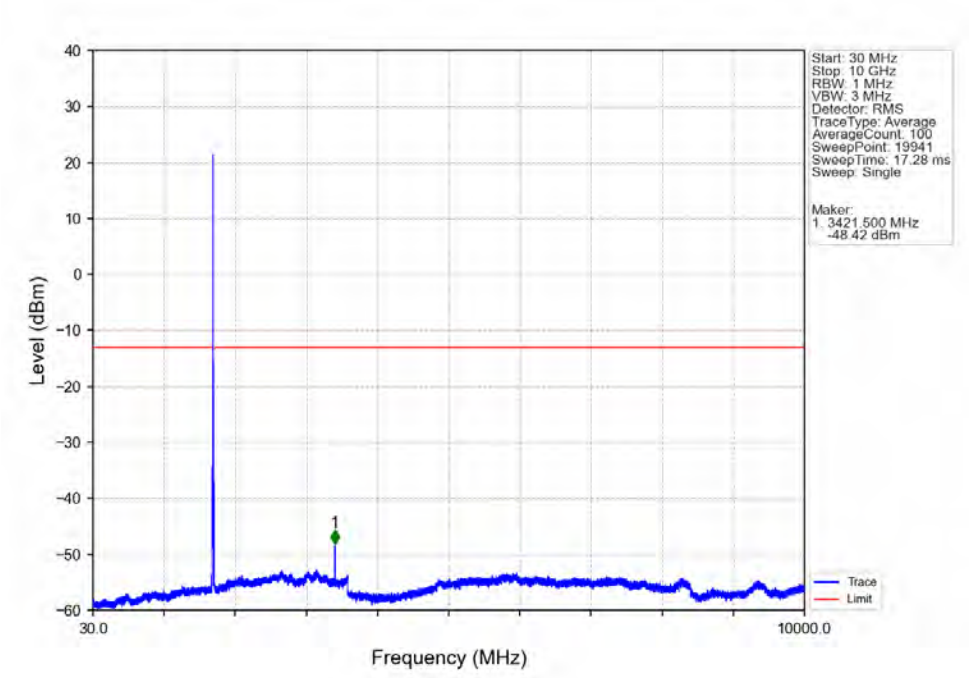
5.2.4 B4_10MHz

Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

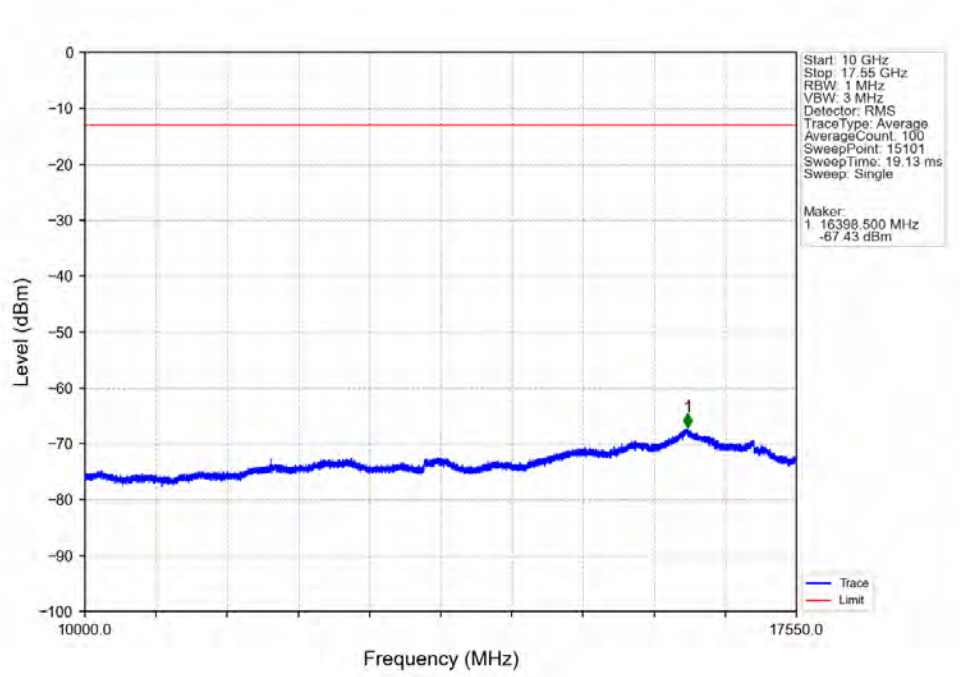


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1701.688	-31.15	-13	Pass
1709	1710	0.003	/	2	1709.993	-48.12	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

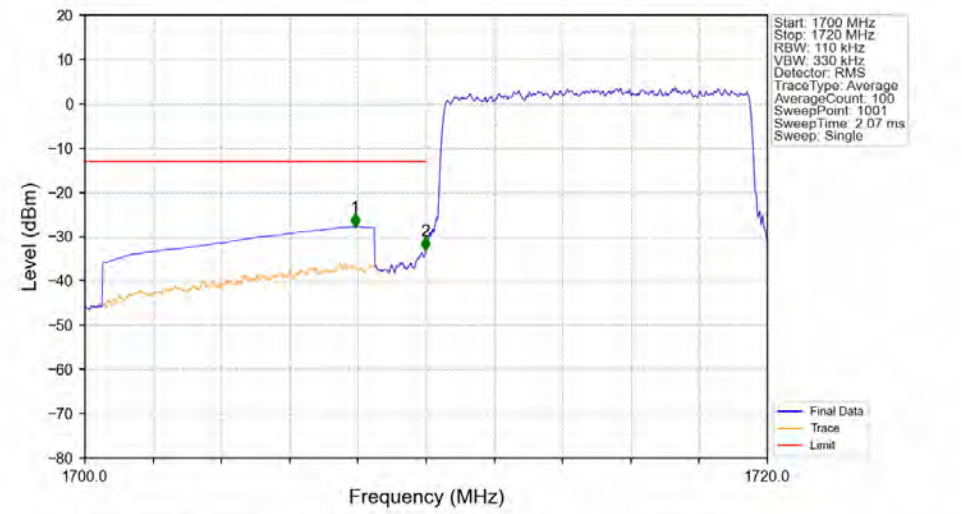
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

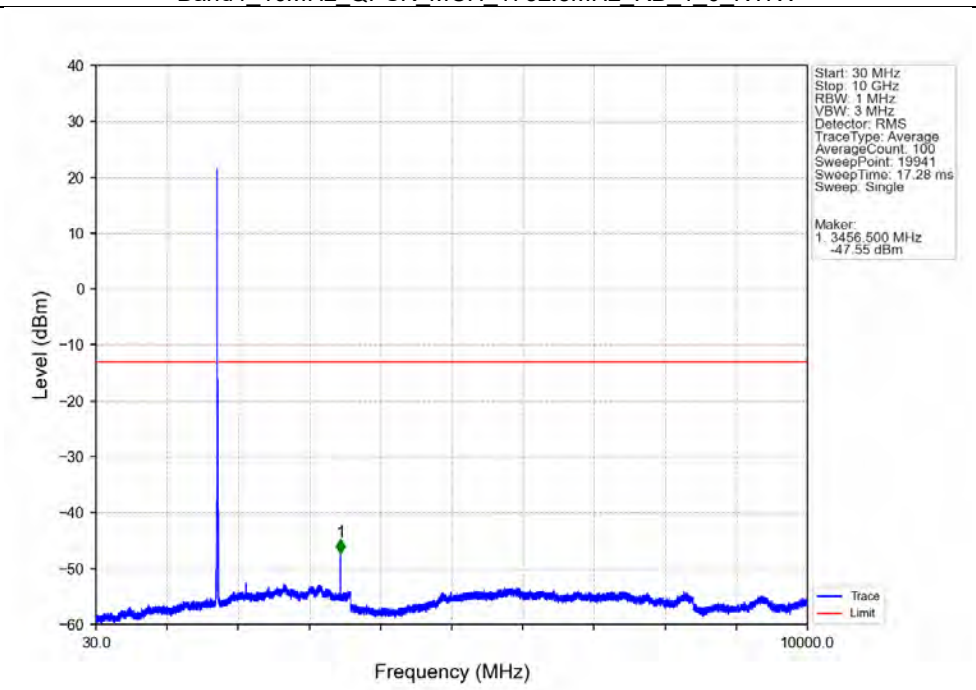


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

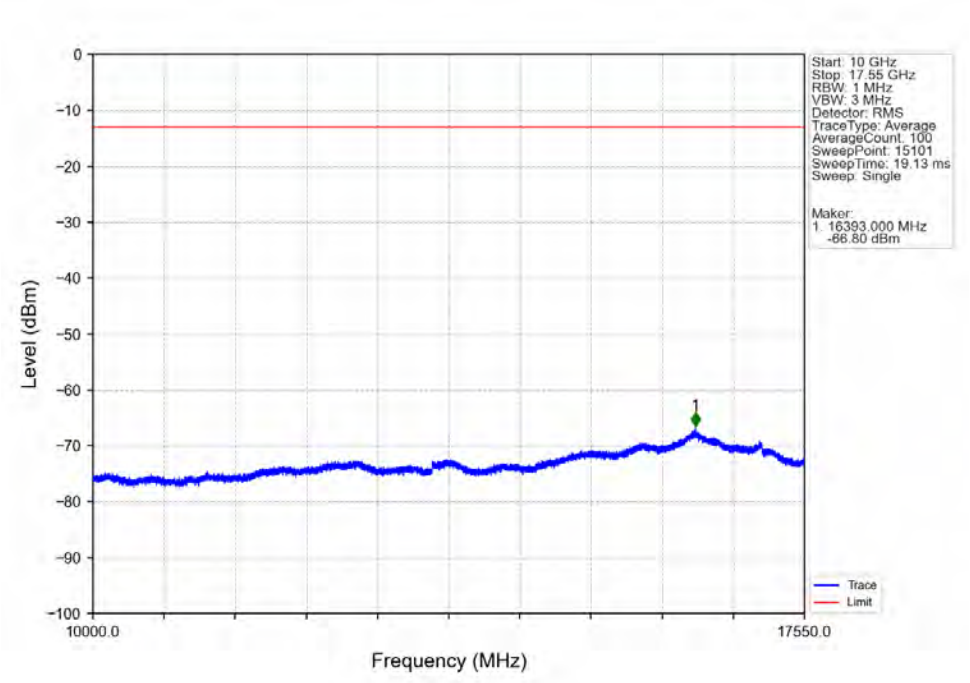


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1707.920	-27.80	-13	Pass
1709	1710	0.11	/	2	1709.980	-33.19	-13	Pass
1710	1720	0.11	/	/	/	/	/	/

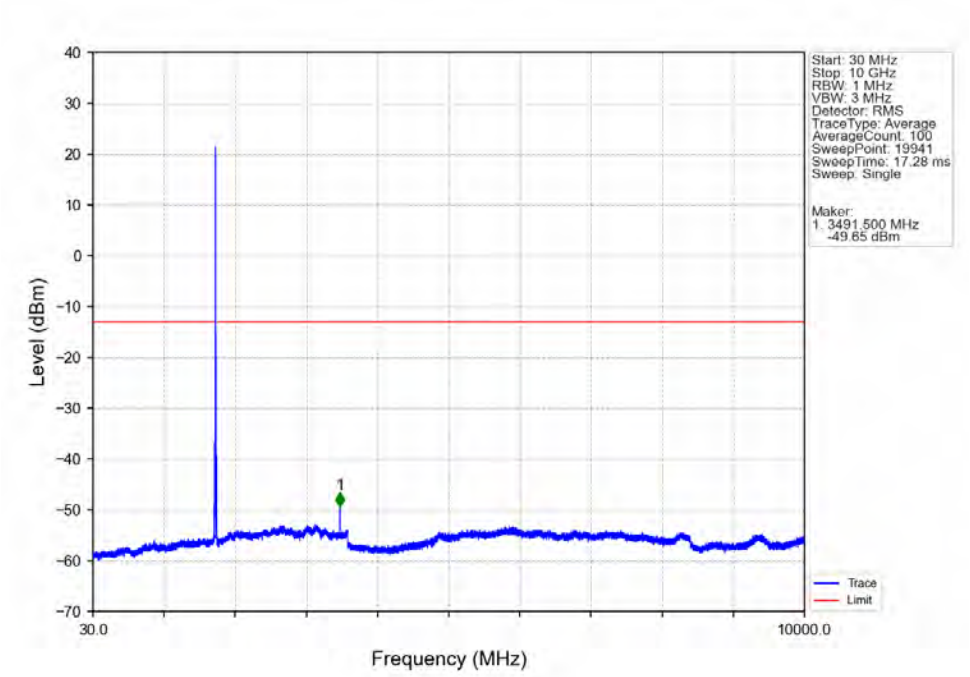
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



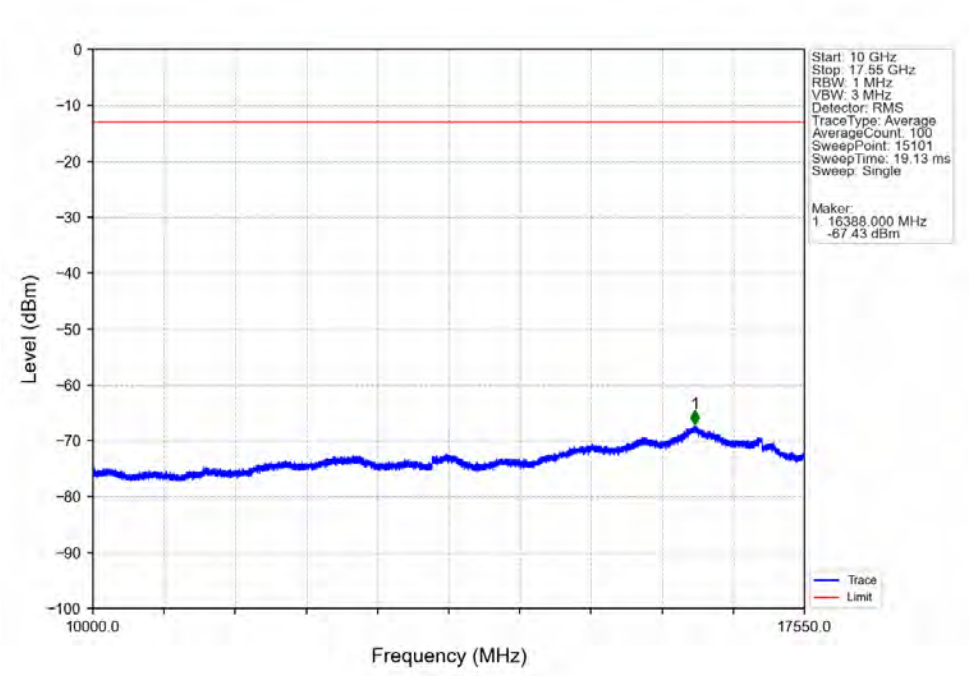
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



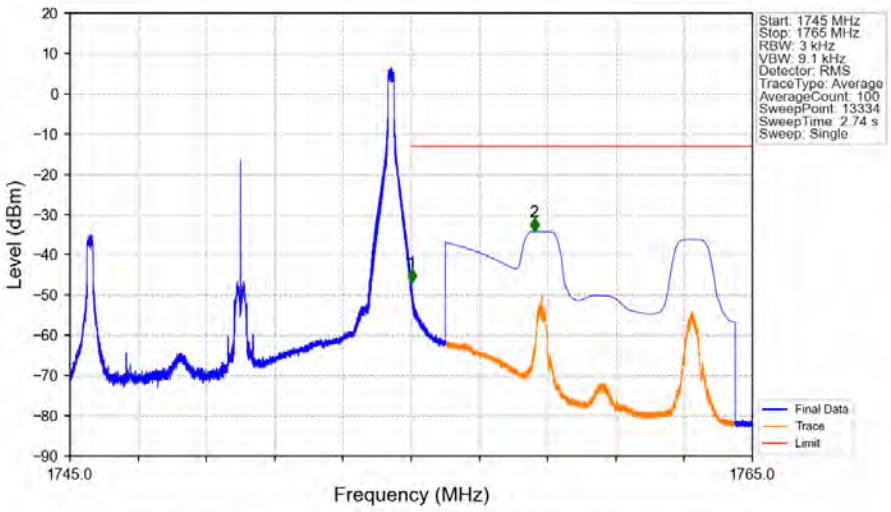
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV

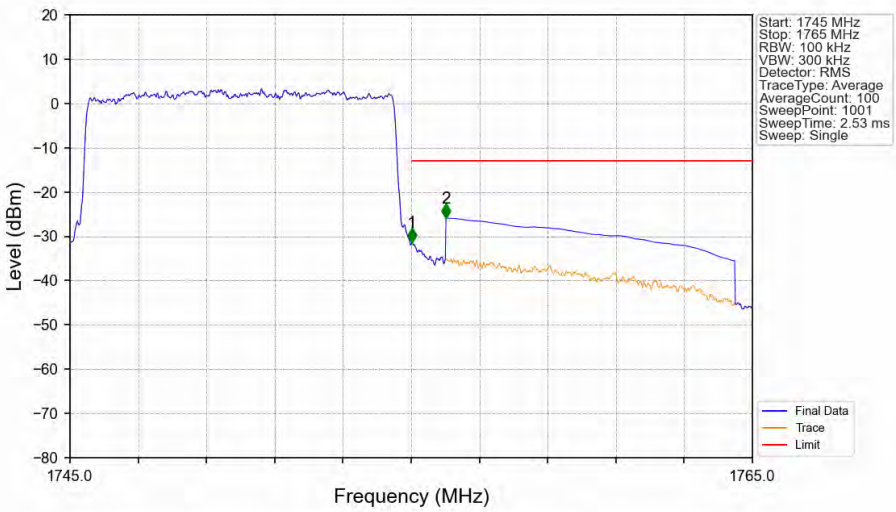


Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.016	-46.92	-13	Pass
1756	1765	1	CHP	2	1758.608	-34.28	-13	Pass

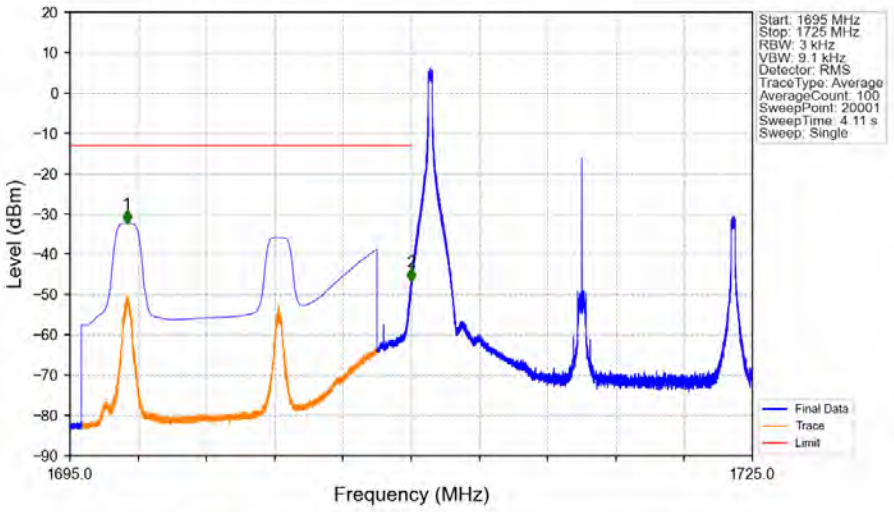
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



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	1755.020	-31.24	-13	Pass
1756	1765	1	CHP	2	1756.020	-25.87	-13	Pass

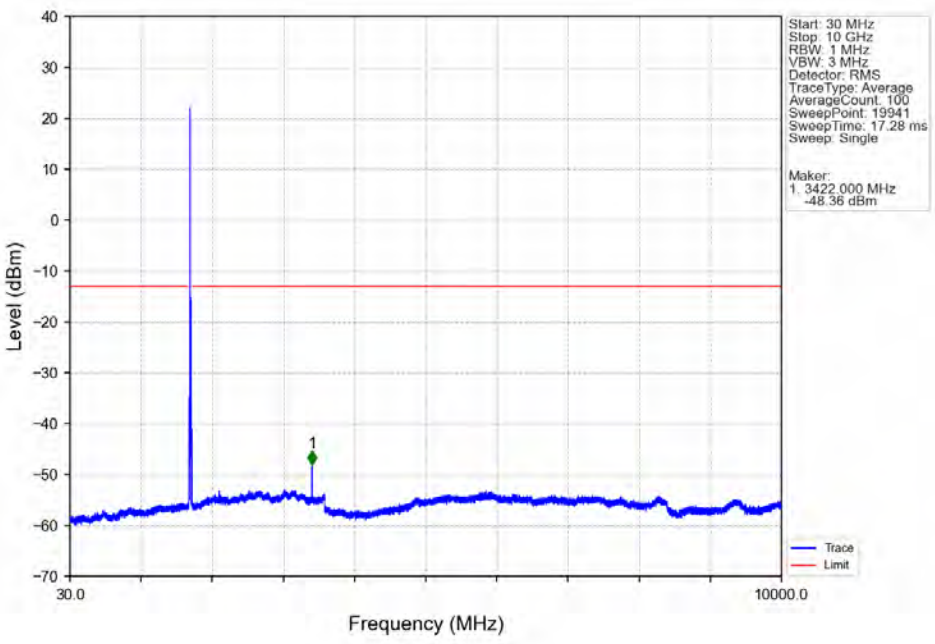
5.2.5 B4_15MHz

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

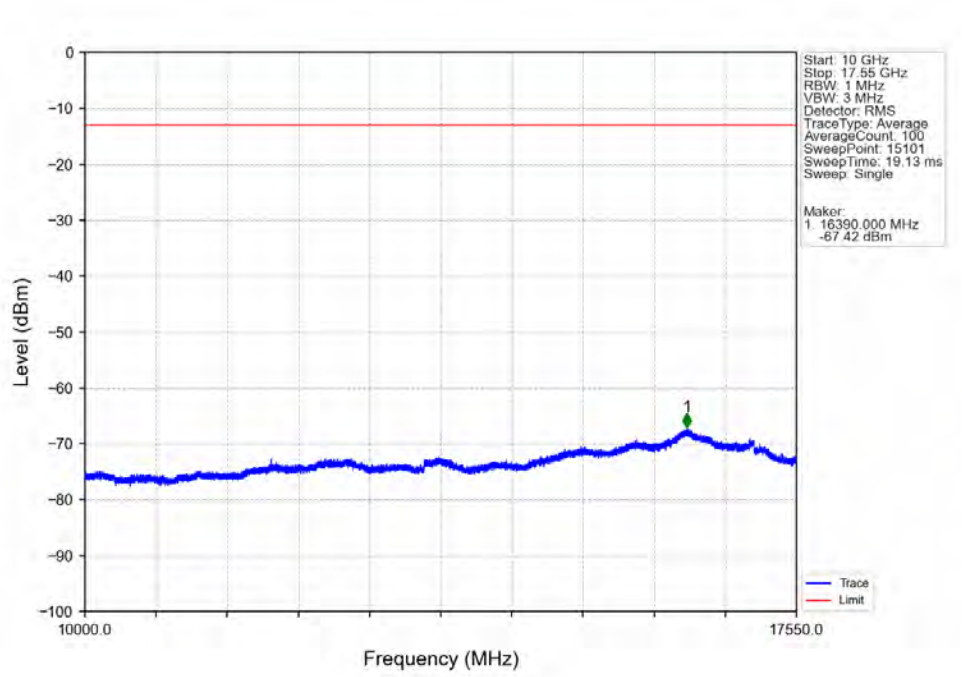


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1697.509	-32.40	-13	Pass
1709	1710	0.003	/	2	1709.994	-46.88	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

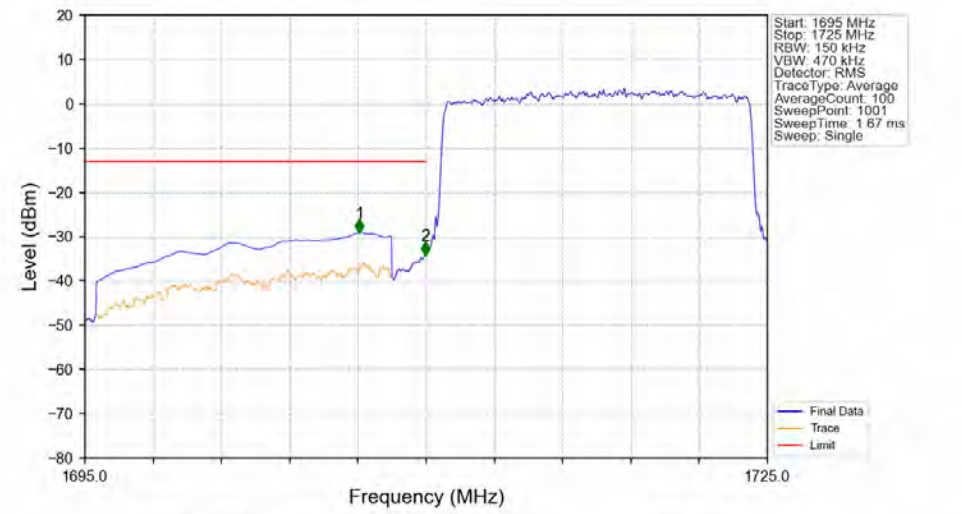
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

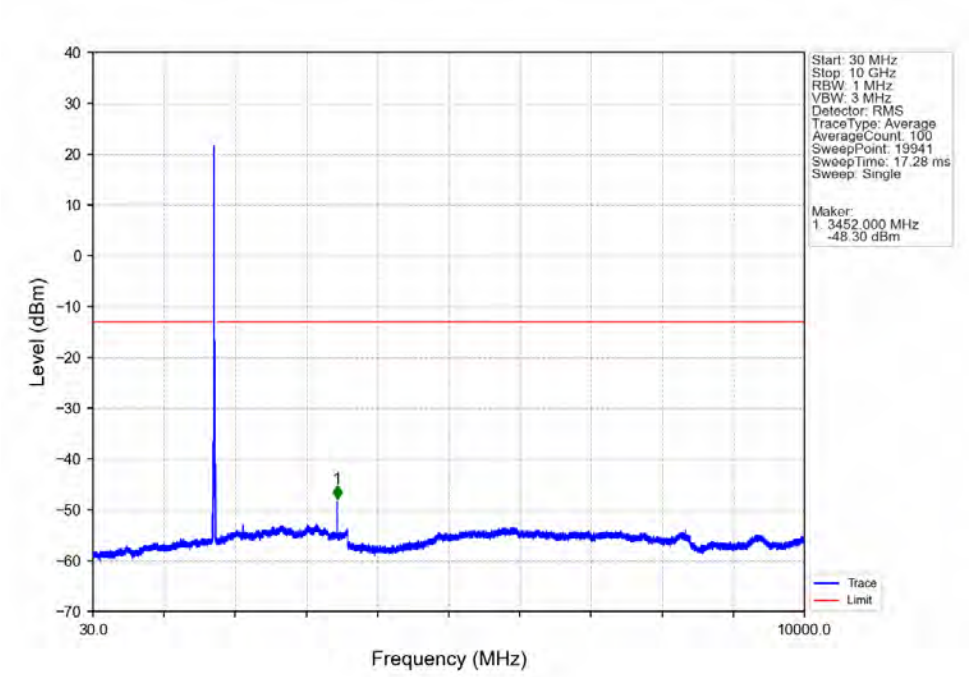


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

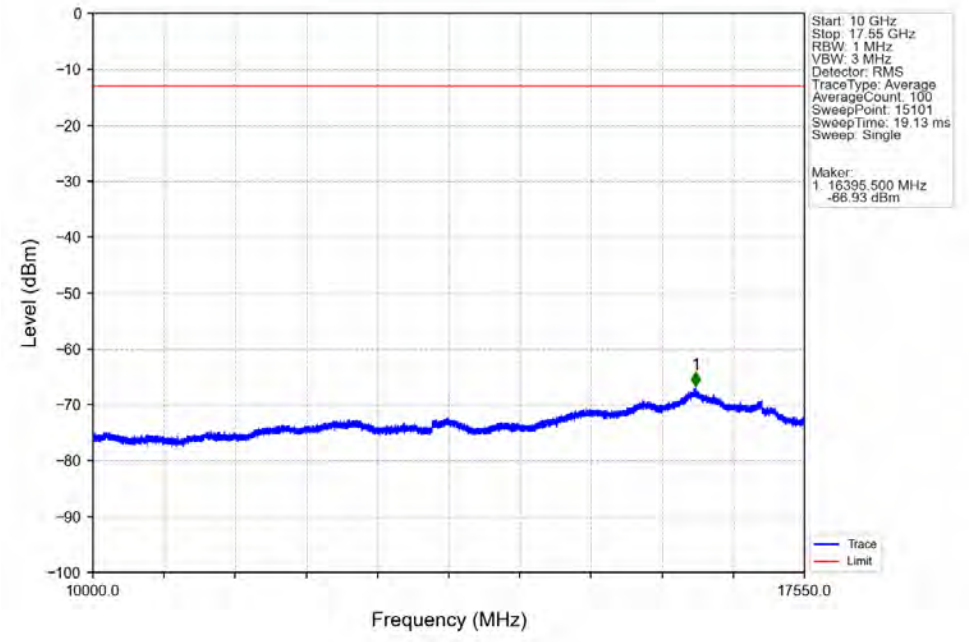


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.060	-29.10	-13	Pass
1709	1710	0.15	/	2	1709.970	-34.25	-13	Pass
1710	1725	0.15	/	/	/	/	/	/

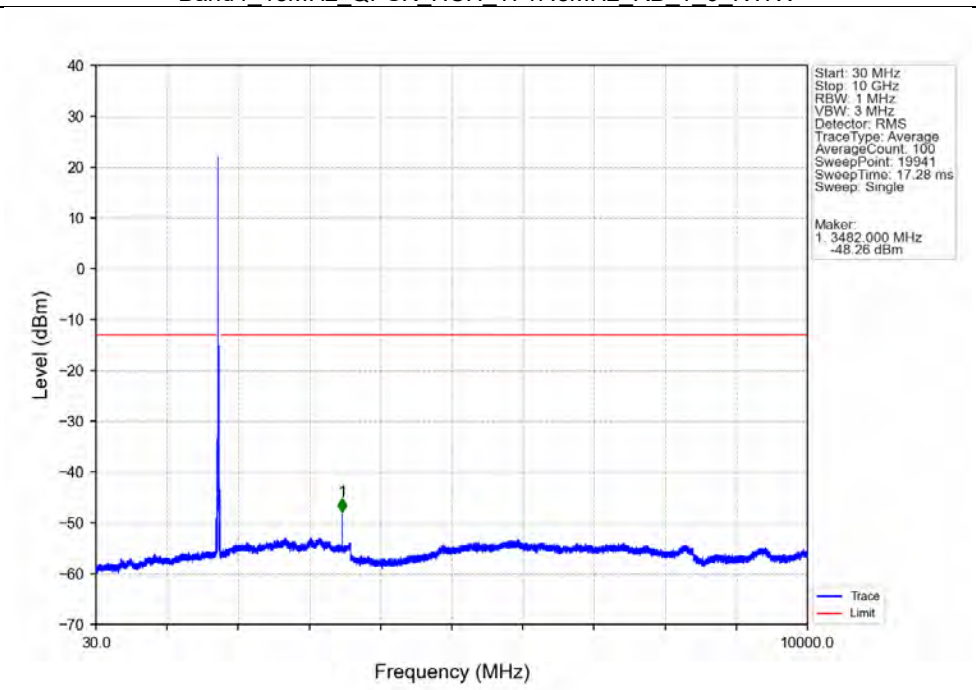
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



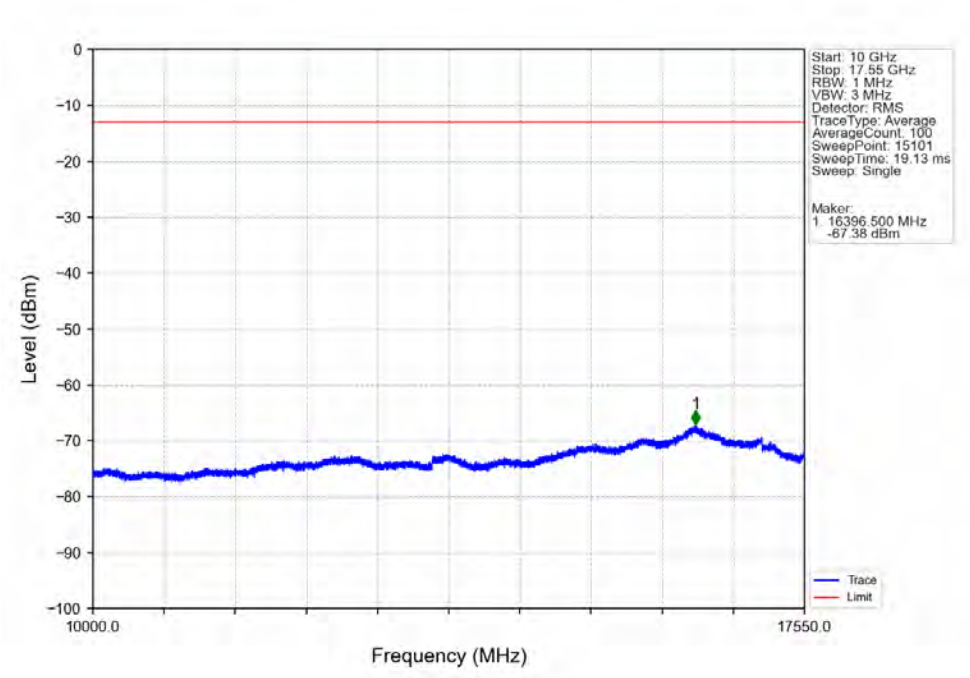
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



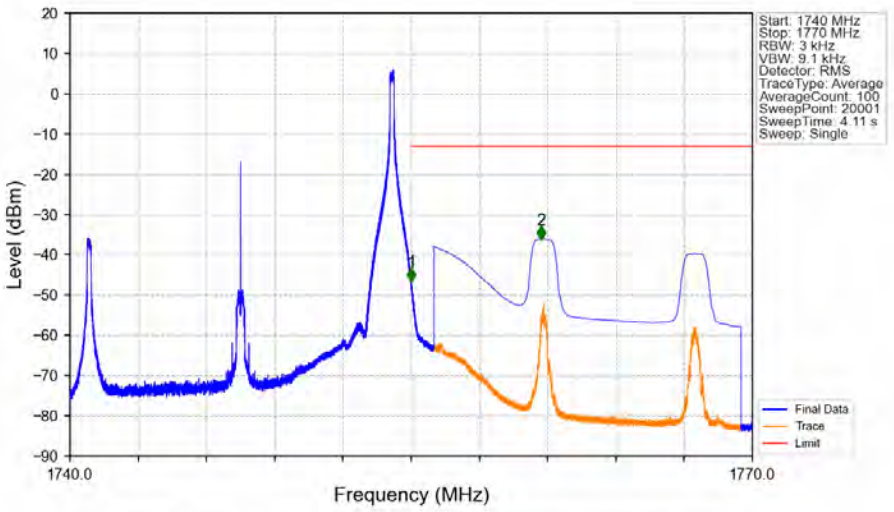
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV

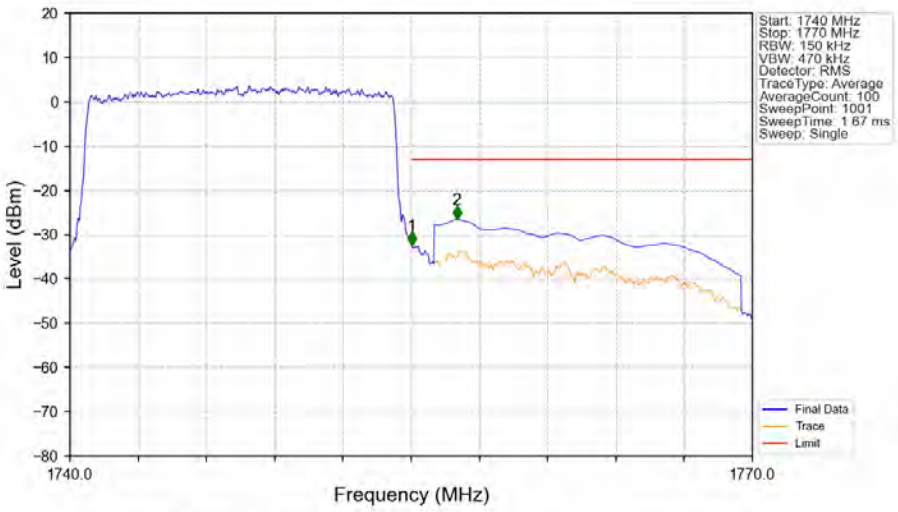


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



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	-46.75	-13	Pass
1756	1770	1	CHP	2	1760.724	-36.18	-13	Pass

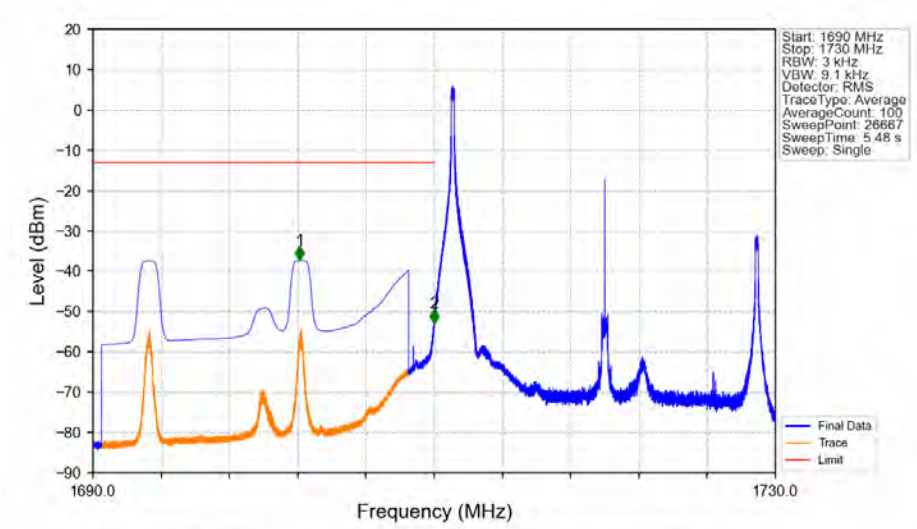
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



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	1755.030	-32.36	-13	Pass
1756	1770	1	CHP	2	1757.010	-26.56	-13	Pass

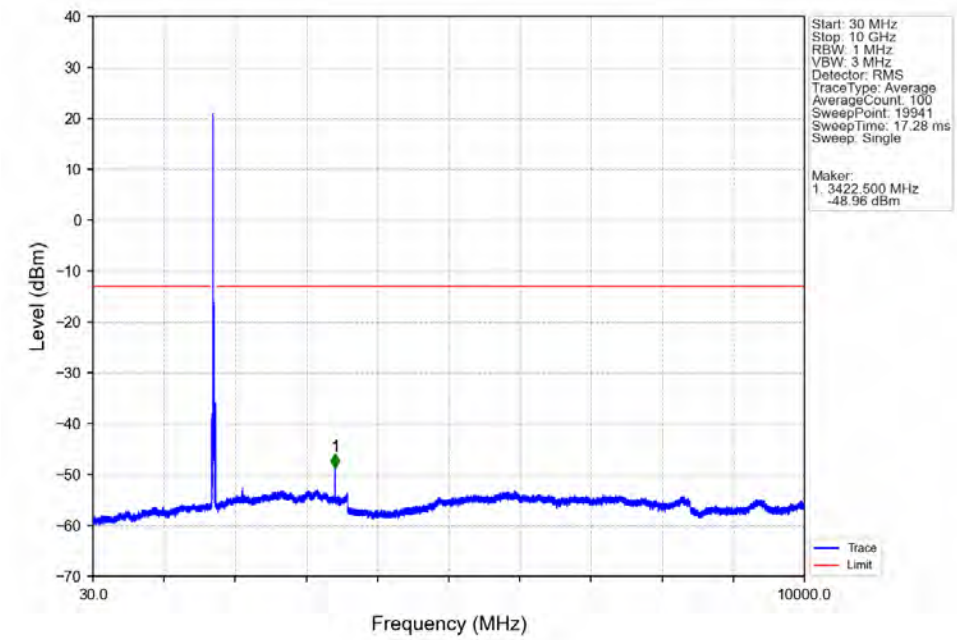
5.2.6 B4_20MHz

Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

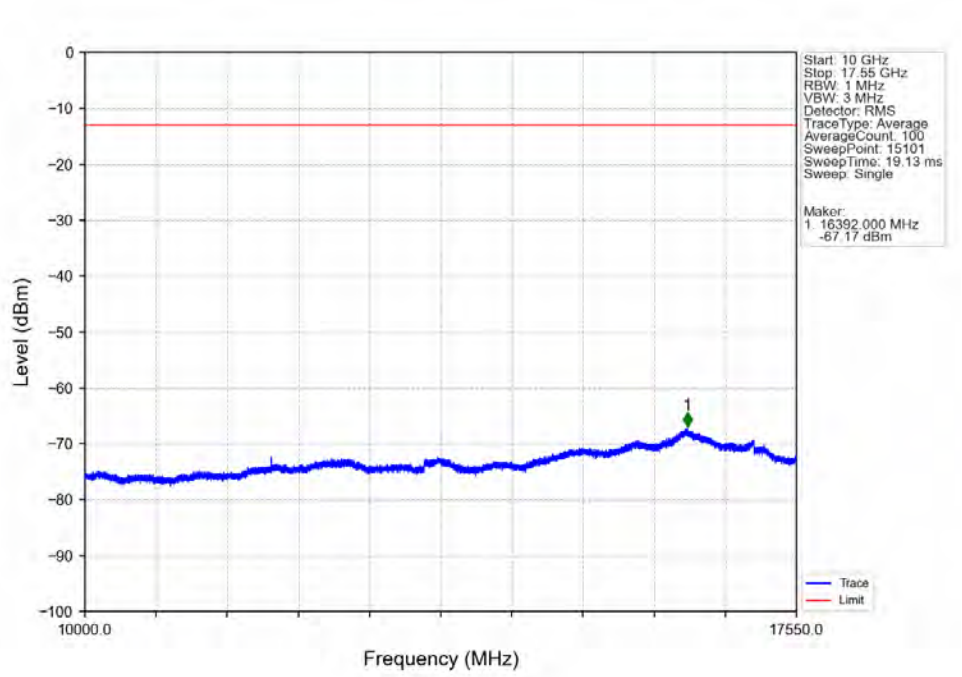


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1702.119	-37.34	-13	Pass
1709	1710	0.003	/	2	1709.995	-52.78	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

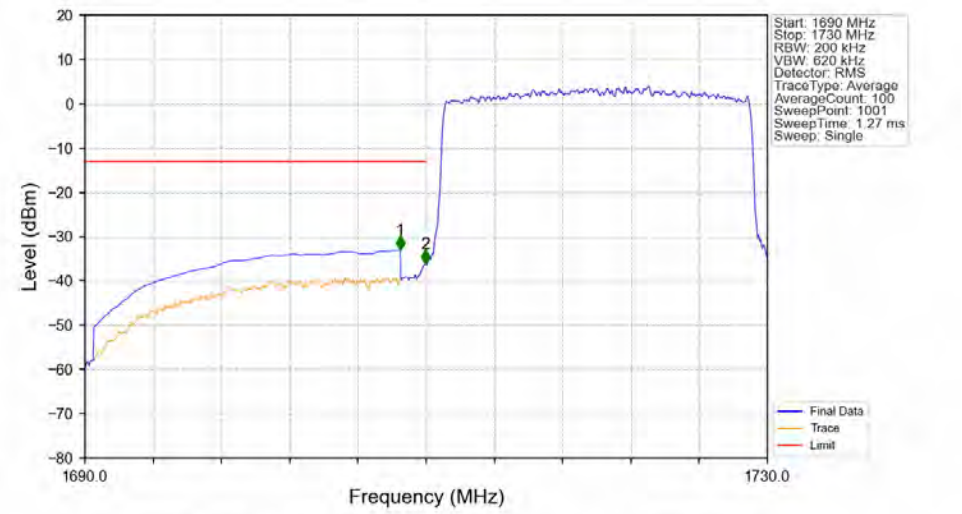
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

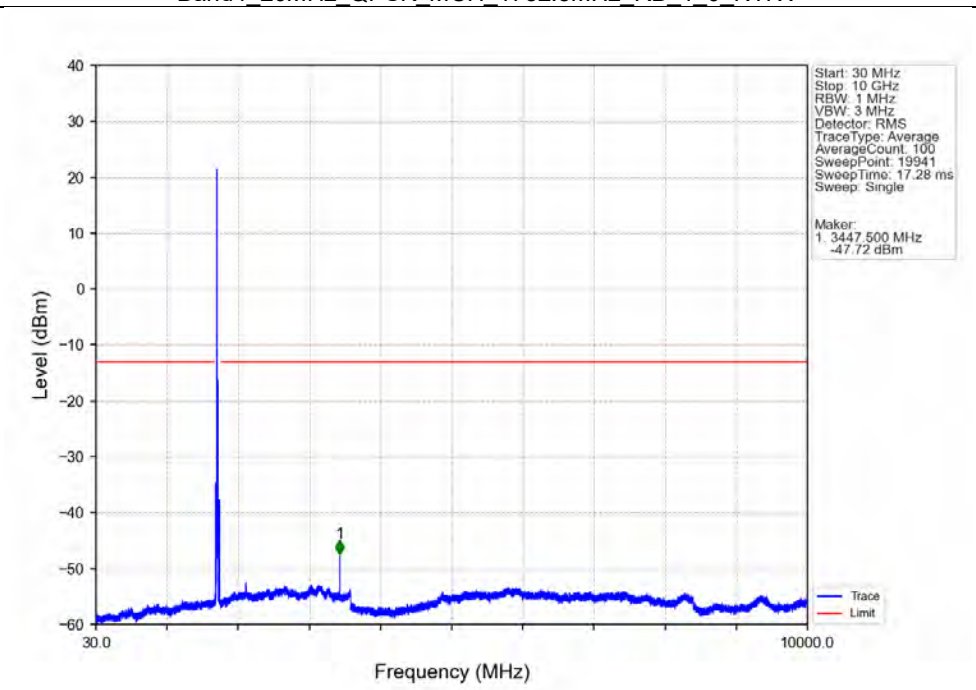


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

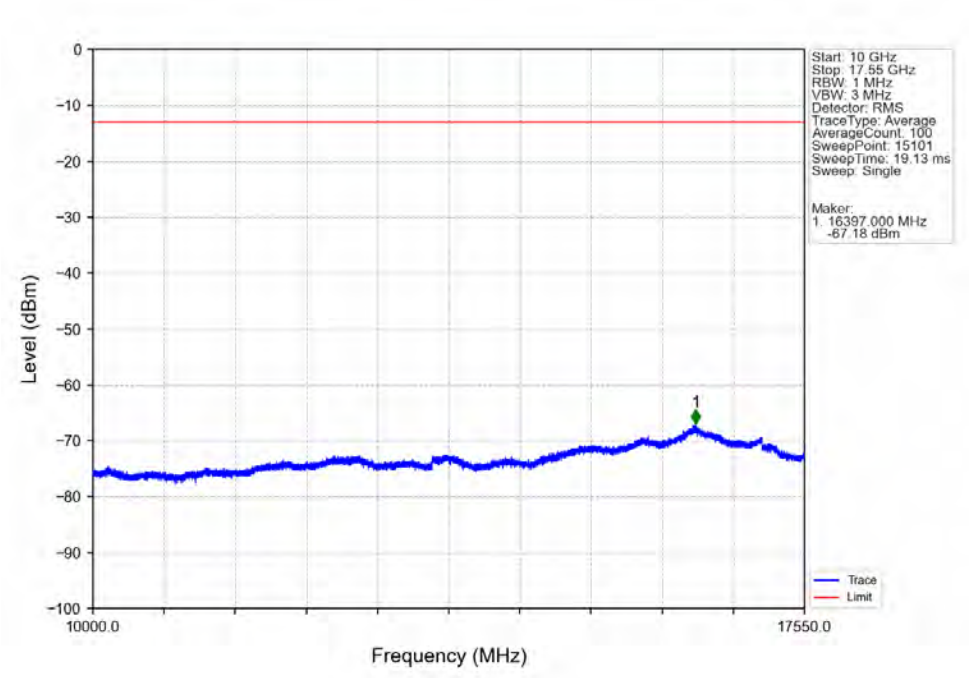


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-32.98	-13	Pass
1709	1710	0.2	/	2	1709.960	-36.09	-13	Pass
1710	1730	0.2	/	/	/	/	/	/

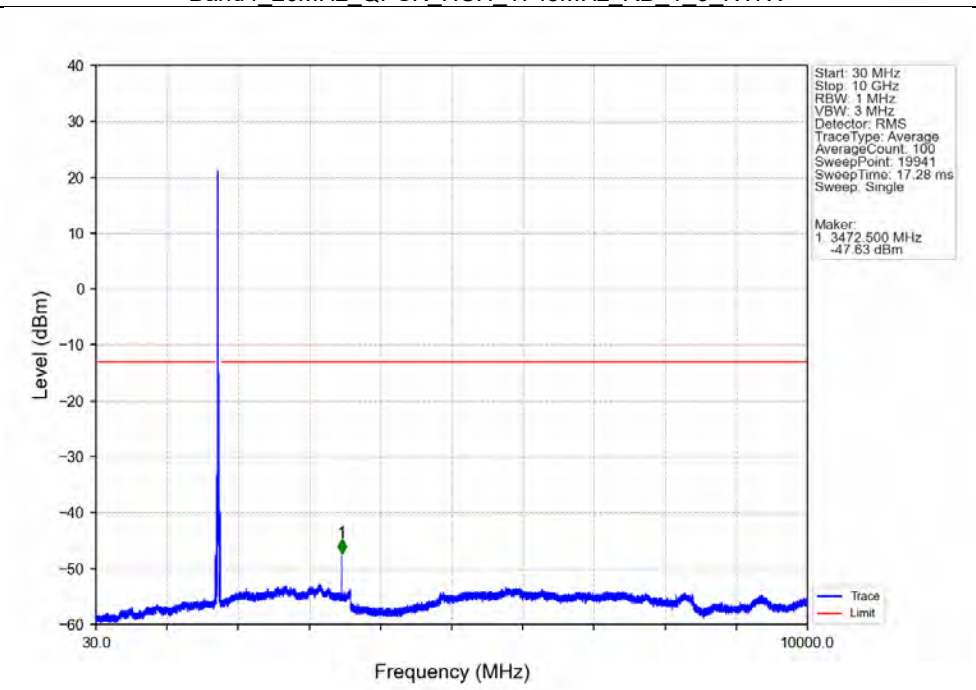
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



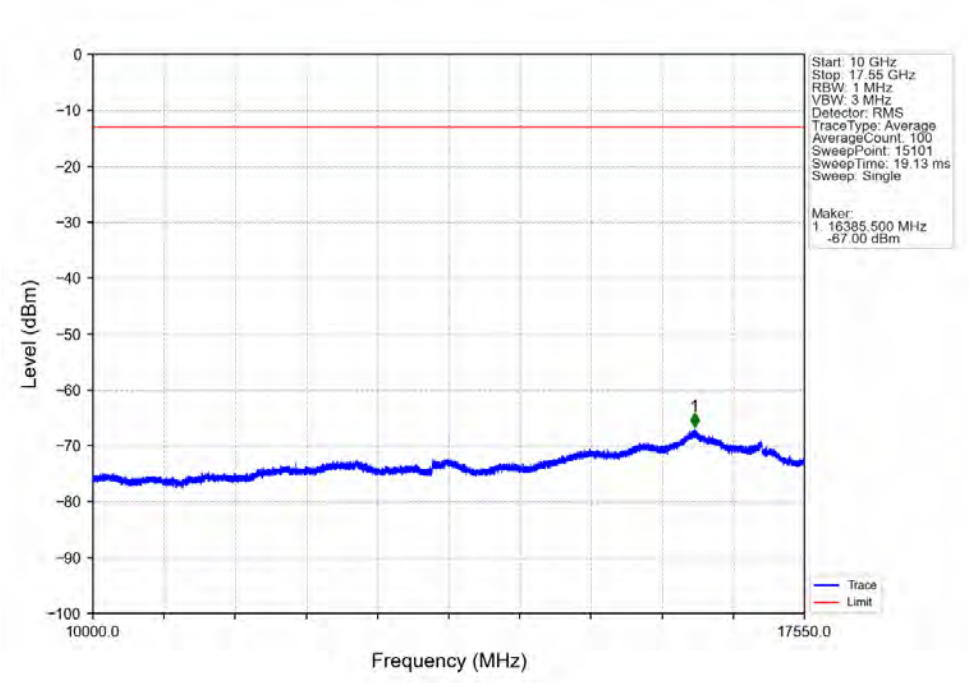
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



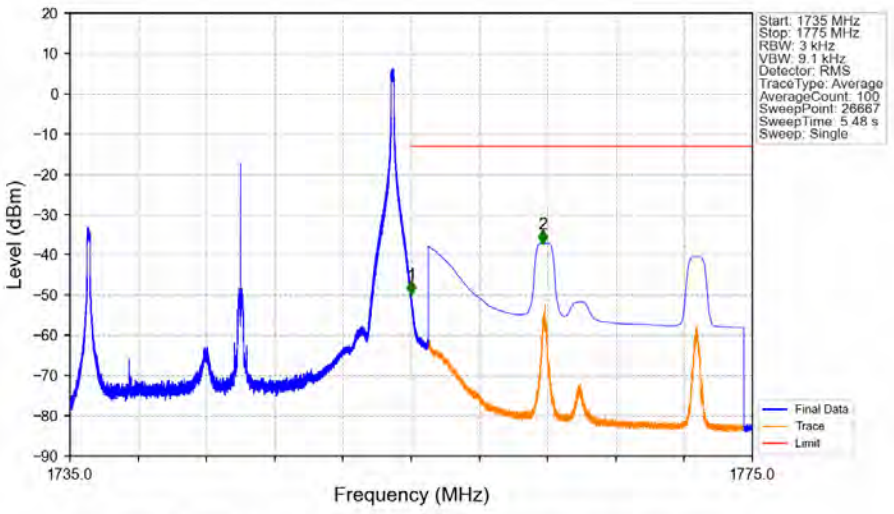
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

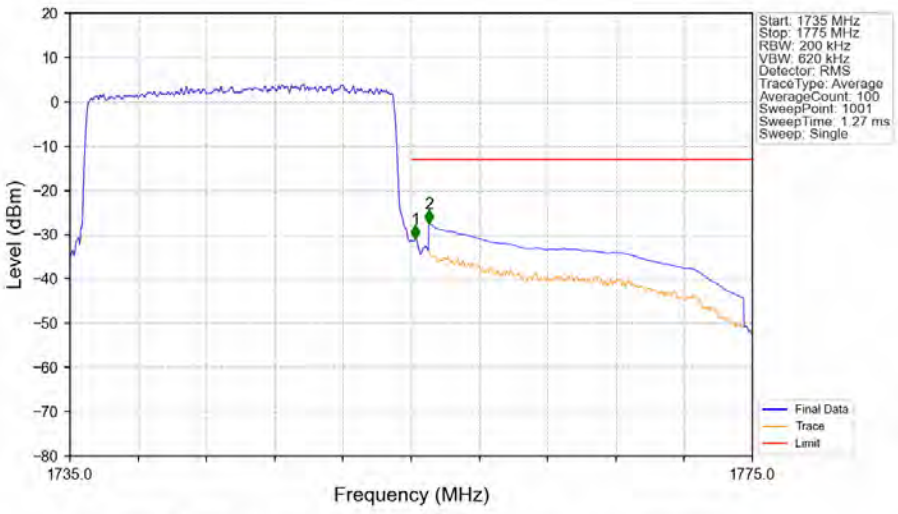


Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



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	1755.018	-49.90	-13	Pass
1756	1775	1	CHP	2	1762.719	-37.17	-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	1755.240	-31.01	-13	Pass
1756	1775	1	CHP	2	1756.040	-27.46	-13	Pass

6. Field Strength of Spurious Radiation

Test Band = LTE Band4_ TM1
Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.25	54.05	-46.28	28.52	-58.96	-13.00	45.96	Horizontal
2	4137.75	42.48	-45.76	29.73	-68.81	-13.00	55.81	Horizontal
3	5133	46.96	-45.34	31.64	-62.00	-13.00	49.00	Horizontal
4	6999.75	41.81	-43.55	35.00	-62.00	-13.00	49.00	Horizontal
5	8804.25	40.25	-41.25	36.62	-59.64	-13.00	46.64	Horizontal
6	9425.25	38.95	-39.93	37.35	-58.89	-13.00	45.89	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.25	53.76	-46.28	28.52	-59.25	-13.00	46.25	Vertical
2	4279.5	42.55	-45.59	30.07	-68.23	-13.00	55.23	Vertical
3	5415	43.58	-45.29	32.15	-64.82	-13.00	51.82	Vertical
4	6357.75	42.32	-44.46	33.62	-63.79	-13.00	50.79	Vertical
5	8031.75	40.52	-42.04	37.08	-59.69	-13.00	46.69	Vertical
6	10710	35.25	-37.95	38.57	-59.39	-13.00	46.39	Vertical

Test Band = LTE Band4_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3447	56.41	-46.27	28.55	-56.57	-13.00	43.57	Horizontal
2	5416.5	43.26	-45.29	32.15	-65.14	-13.00	52.14	Horizontal
3	6947.25	41.84	-43.84	34.91	-62.36	-13.00	49.36	Horizontal
4	9173.25	38.16	-40.28	36.85	-60.53	-13.00	47.53	Horizontal
5	11182.5	34.78	-37.49	38.69	-59.28	-13.00	46.28	Horizontal
6	13832.25	33.05	-36.09	40.57	-57.74	-13.00	44.74	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3447	50.05	-46.27	28.55	-62.93	-13.00	49.93	Vertical
2	4881	42.53	-45.53	31.21	-67.05	-13.00	54.05	Vertical
3	6159.75	42.84	-44.64	32.94	-64.11	-13.00	51.11	Vertical
4	7686.75	40.81	-43.09	36.66	-60.88	-13.00	47.88	Vertical
5	8891.25	39.61	-41.24	36.57	-60.33	-13.00	47.33	Vertical
6	12162.75	34.40	-37.43	39.15	-59.15	-13.00	46.15	Vertical

Test Band = LTE Band4_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3471.75	54.16	-46.27	28.57	-58.79	-13.00	45.79	Horizontal
2	4724.25	42.84	-45.59	30.96	-67.05	-13.00	54.05	Horizontal
3	5811	43.01	-44.77	32.36	-64.66	-13.00	51.66	Horizontal
4	7628.25	41.16	-42.98	36.58	-60.50	-13.00	47.50	Horizontal
5	9330	38.93	-40.10	37.16	-59.27	-13.00	46.27	Horizontal
6	11245.5	35.03	-37.40	38.72	-58.91	-13.00	45.91	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.5	51.68	-46.27	28.57	-61.27	-13.00	48.27	Vertical
2	4938	43.09	-45.57	31.30	-66.44	-13.00	53.44	Vertical
3	6339.75	41.99	-44.49	33.56	-64.20	-13.00	51.20	Vertical
4	7812.75	40.73	-42.38	36.84	-60.07	-13.00	47.07	Vertical
5	9215.25	37.87	-40.25	36.93	-60.70	-13.00	47.70	Vertical
6	11244.75	35.07	-37.40	38.72	-58.87	-13.00	45.87	Vertical

Remark:
1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:
AF = Antenna Factor(dB/m)
Factor = Cable Factor(dB) - Preamplifier (dB)
Level = Reading Level + AF + Factor -95.26
Margin = Limit – Level

---End of Attachment---