1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.62	0.34	23.96	<=30	Pass
			2	23.63	0.34	23.97	<=30	Pass
			5	23.60	0.34	23.94	<=30	Pass
		3	0	23.96	0.34	24.30	<=30	Pass
			2	23.96	0.34	24.30	<=30	Pass
			3	23.96	0.34	24.30	<=30	Pass
		6	0	23.09	0.34	23.43	<=30	Pass
	1732.5	1	0	23.51	0.34	23.85	<=30	Pass
			2	23.53	0.34	23.87	<=30	Pass
			5	23.53	0.34	23.87	<=30	Pass
		3	0	23.92	0.34	24.26	<=30	Pass
			2	23.90	0.34	24.24	<=30	Pass
			3	23.89	0.34	24.23	<=30	Pass
		6	0	23.05	0.34	23.39	<=30	Pass
	1754.3	1	0	23.36	0.34	23.70	<=30	Pass
			2	23.36	0.34	23.70	<=30	Pass
			5	23.35	0.34	23.69	<=30	Pass
		3	0	23.74	0.34	24.08	<=30	Pass
			2	23.74	0.34	24.08	<=30	Pass
			3	23.73	0.34	24.07	<=30	Pass
		6	0	22.86	0.34	23.20	<=30	Pass
16QAM	1710.7	1	0	22.76	0.34	23.10	<=30	Pass
			2	22.77	0.34	23.11	<=30	Pass
			5	22.76	0.34	23.10	<=30	Pass
		3	0	23.10	0.34	23.44	<=30	Pass
			2	23.05	0.34	23.39	<=30	Pass
			3	23.08	0.34	23.42	<=30	Pass
		6	0	22.20	0.34	22.54	<=30	Pass
	1732.5	1	0	22.94	0.34	23.28	<=30	Pass
			2	22.94	0.34	23.28	<=30	Pass
			5	22.92	0.34	23.26	<=30	Pass
		3	0	23.23	0.34	23.57	<=30	Pass
			2	23.16	0.34	23.50	<=30	Pass
			3	23.19	0.34	23.53	<=30	Pass
		6	0	22.07	0.34	22.41	<=30	Pass
	1754.3	1	0	22.48	0.34	22.82	<=30	Pass
			2	22.49	0.34	22.83	<=30	Pass
			5	22.49	0.34	22.83	<=30	Pass
		3	0	22.87	0.34	23.21	<=30	Pass
			2	22.84	0.34	23.18	<=30	Pass
			3	22.83	0.34	23.17	<=30	Pass
		6	0	21.97	0.34	22.31	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.58	0.34	23.92	<=30	Pass
			7	23.54	0.34	23.88	<=30	Pass
			14	23.53	0.34	23.87	<=30	Pass
		8	0	23.13	0.34	23.47	<=30	Pass
			4	23.11	0.34	23.45	<=30	Pass
			7	23.11	0.34	23.45	<=30	Pass
		15	0	23.13	0.34	23.47	<=30	Pass
	1732.5	1	0	23.60	0.34	23.94	<=30	Pass
			7	23.61	0.34	23.95	<=30	Pass
			14	23.62	0.34	23.96	<=30	Pass
		8	0	23.12	0.34	23.46	<=30	Pass
			4	23.06	0.34	23.40	<=30	Pass
			7	23.09	0.34	23.43	<=30	Pass
		15	0	23.07	0.34	23.41	<=30	Pass
	1753.5	1	0	23.31	0.34	23.65	<=30	Pass
			7	23.29	0.34	23.63	<=30	Pass
			14	23.29	0.34	23.63	<=30	Pass
		8	0	22.85	0.34	23.19	<=30	Pass
			4	22.86	0.34	23.20	<=30	Pass
			7	22.83	0.34	23.17	<=30	Pass
		15	0	22.88	0.34	23.22	<=30	Pass
16QAM	1711.5	1	0	22.70	0.34	23.04	<=30	Pass
			7	22.70	0.34	23.04	<=30	Pass
			14	22.71	0.34	23.05	<=30	Pass
		8	0	22.31	0.34	22.65	<=30	Pass
			4	22.31	0.34	22.65	<=30	Pass
			7	22.32	0.34	22.66	<=30	Pass
		15	0	22.17	0.34	22.51	<=30	Pass
	1732.5	1	0	22.73	0.34	23.07	<=30	Pass
			7	22.70	0.34	23.04	<=30	Pass
			14	22.66	0.34	23.00	<=30	Pass
		8	0	22.25	0.34	22.59	<=30	Pass
			4	22.21	0.34	22.55	<=30	Pass
			7	22.24	0.34	22.58	<=30	Pass
		15	0	22.13	0.34	22.47	<=30	Pass
	1753.5	1	0	22.56	0.34	22.90	<=30	Pass
			7	22.51	0.34	22.85	<=30	Pass
			14	22.50	0.34	22.84	<=30	Pass
		8	0	21.93	0.34	22.27	<=30	Pass
			4	21.87	0.34	22.21	<=30	Pass
			7	21.88	0.34	22.22	<=30	Pass
		15	0	21.92	0.34	22.26	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.85	0.34	24.19	<=30	Pass
			13	23.76	0.34	24.10	<=30	Pass
			24	23.84	0.34	24.18	<=30	Pass
		12	0	23.14	0.34	23.48	<=30	Pass
			6	23.09	0.34	23.43	<=30	Pass
			13	23.14	0.34	23.48	<=30	Pass
		25	0	23.12	0.34	23.46	<=30	Pass
	1732.5	1	0	23.60	0.34	23.94	<=30	Pass
			13	23.58	0.34	23.92	<=30	Pass
			24	23.67	0.34	24.01	<=30	Pass
		12	0	23.09	0.34	23.43	<=30	Pass
			6	23.09	0.34	23.43	<=30	Pass
			13	23.14	0.34	23.48	<=30	Pass
		25	0	23.11	0.34	23.45	<=30	Pass
	1752.5	1	0	23.50	0.34	23.84	<=30	Pass
			13	23.39	0.34	23.73	<=30	Pass
			24	23.50	0.34	23.84	<=30	Pass
		12	0	22.97	0.34	23.31	<=30	Pass
			6	22.91	0.34	23.25	<=30	Pass
			13	22.85	0.34	23.19	<=30	Pass
		25	0	22.93	0.34	23.27	<=30	Pass
16QAM	1712.5	1	0	22.94	0.34	23.28	<=30	Pass
			13	22.85	0.34	23.19	<=30	Pass
			24	22.94	0.34	23.28	<=30	Pass
		12	0	22.21	0.34	22.55	<=30	Pass
			6	22.18	0.34	22.52	<=30	Pass
			13	22.22	0.34	22.56	<=30	Pass
		25	0	22.14	0.34	22.48	<=30	Pass
	1732.5	1	0	22.84	0.34	23.18	<=30	Pass
			13	22.79	0.34	23.13	<=30	Pass
			24	22.87	0.34	23.21	<=30	Pass
		12	0	22.06	0.34	22.40	<=30	Pass
			6	22.06	0.34	22.40	<=30	Pass
			13	22.10	0.34	22.44	<=30	Pass
		25	0	22.12	0.34	22.46	<=30	Pass
	1752.5	1	0	22.77	0.34	23.11	<=30	Pass
			13	22.63	0.34	22.97	<=30	Pass
			24	22.73	0.34	23.07	<=30	Pass
		12	0	21.95	0.34	22.29	<=30	Pass
			6	21.86	0.34	22.20	<=30	Pass
			13	21.79	0.34	22.13	<=30	Pass
		25	0	21.94	0.34	22.28	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.68	0.34	24.02	<=30	Pass
			25	23.62	0.34	23.96	<=30	Pass

			49	23.66	0.34	24.00	<=30	Pass
		25	0	23.09	0.34	23.43	<=30	Pass
			13	23.12	0.34	23.46	<=30	Pass
			25	23.13	0.34	23.47	<=30	Pass
		50	0	23.10	0.34	23.44	<=30	Pass
	1732.5	1	0	23.73	0.34	24.07	<=30	Pass
			25	23.67	0.34	24.01	<=30	Pass
			49	23.71	0.34	24.05	<=30	Pass
		25	0	23.07	0.34	23.41	<=30	Pass
			13	23.12	0.34	23.46	<=30	Pass
			25	23.14	0.34	23.48	<=30	Pass
		50	0	23.14	0.34	23.48	<=30	Pass
	1750	1	0	23.46	0.34	23.80	<=30	Pass
			25	23.35	0.34	23.69	<=30	Pass
			49	23.36	0.34	23.70	<=30	Pass
		25	0	22.95	0.34	23.29	<=30	Pass
			13	22.92	0.34	23.26	<=30	Pass
			25	22.88	0.34	23.22	<=30	Pass
		50	0	22.92	0.34	23.26	<=30	Pass
16QAM	1715	1	0	22.81	0.34	23.15	<=30	Pass
			25	22.69	0.34	23.03	<=30	Pass
			49	22.70	0.34	23.04	<=30	Pass
		25	0	22.15	0.34	22.49	<=30	Pass
			13	22.18	0.34	22.52	<=30	Pass
			25	22.18	0.34	22.52	<=30	Pass
		50	0	22.10	0.34	22.44	<=30	Pass
	1732.5	1	0	22.84	0.34	23.18	<=30	Pass
			25	22.73	0.34	23.07	<=30	Pass
			49	22.78	0.34	23.12	<=30	Pass
		25	0	22.14	0.34	22.48	<=30	Pass
			13	22.16	0.34	22.50	<=30	Pass
			25	22.19	0.34	22.53	<=30	Pass
		50	0	22.11	0.34	22.45	<=30	Pass
	1750	1	0	22.71	0.34	23.05	<=30	Pass
			25	22.58	0.34	22.92	<=30	Pass
			49	22.63	0.34	22.97	<=30	Pass
		25	0	21.97	0.34	22.31	<=30	Pass
			13	21.95	0.34	22.29	<=30	Pass
			25	21.89	0.34	22.23	<=30	Pass
		50	0	21.84	0.34	22.18	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.59	0.34	23.93	<=30	Pass
			38	23.57	0.34	23.91	<=30	Pass
			74	23.51	0.34	23.85	<=30	Pass
		36	0	23.04	0.34	23.38	<=30	Pass
			18	23.05	0.34	23.39	<=30	Pass
			39	22.99	0.34	23.33	<=30	Pass

		75	0	23.06	0.34	23.40	<=30	Pass
	1732.5	1	0	23.61	0.34	23.95	<=30	Pass
			38	23.65	0.34	23.99	<=30	Pass
			74	23.55	0.34	23.89	<=30	Pass
		36	0	23.06	0.34	23.40	<=30	Pass
			18	23.07	0.34	23.41	<=30	Pass
			39	23.04	0.34	23.38	<=30	Pass
		75	0	23.09	0.34	23.43	<=30	Pass
	1747.5	1	0	23.40	0.34	23.74	<=30	Pass
			38	23.63	0.34	23.97	<=30	Pass
			74	23.28	0.34	23.62	<=30	Pass
		36	0	22.83	0.34	23.17	<=30	Pass
			18	22.92	0.34	23.26	<=30	Pass
			39	22.82	0.34	23.16	<=30	Pass
		75	0	22.85	0.34	23.19	<=30	Pass
16QAM	1717.5	1	0	22.72	0.34	23.06	<=30	Pass
			38	22.67	0.34	23.01	<=30	Pass
			74	22.66	0.34	23.00	<=30	Pass
		36	0	22.10	0.34	22.44	<=30	Pass
			18	22.12	0.34	22.46	<=30	Pass
			39	22.05	0.34	22.39	<=30	Pass
		75	0	22.03	0.34	22.37	<=30	Pass
	1732.5	1	0	22.64	0.34	22.98	<=30	Pass
			38	22.68	0.34	23.02	<=30	Pass
			74	22.59	0.34	22.93	<=30	Pass
		36	0	22.02	0.34	22.36	<=30	Pass
			18	22.06	0.34	22.40	<=30	Pass
			39	22.07	0.34	22.41	<=30	Pass
		75	0	22.05	0.34	22.39	<=30	Pass
	1747.5	1	0	23.38	0.34	23.72	<=30	Pass
			38	23.31	0.34	23.65	<=30	Pass
			74	22.82	0.34	23.16	<=30	Pass
		36	0	21.85	0.34	22.19	<=30	Pass
			18	21.90	0.34	22.24	<=30	Pass
			39	21.82	0.34	22.16	<=30	Pass
		75	0	21.81	0.34	22.15	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.07	0.34	23.41	<=30	Pass
			50	23.93	0.34	24.27	<=30	Pass
			99	24.17	0.34	24.51	<=30	Pass
		50	0	23.10	0.34	23.44	<=30	Pass
			25	23.09	0.34	23.43	<=30	Pass
			50	22.94	0.34	23.28	<=30	Pass
		100	0	23.01	0.34	23.35	<=30	Pass
	1732.5	1	0	24.08	0.34	24.42	<=30	Pass
			50	23.84	0.34	24.18	<=30	Pass
			99	23.83	0.34	24.17	<=30	Pass

		50	0	23.12	0.34	23.46	<=30	Pass
			25	23.04	0.34	23.38	<=30	Pass
			50	23.14	0.34	23.48	<=30	Pass
		100	0	23.15	0.34	23.49	<=30	Pass
	1745	1	0	24.00	0.34	24.34	<=30	Pass
			50	23.76	0.34	24.10	<=30	Pass
			99	23.96	0.34	24.30	<=30	Pass
		50	0	22.85	0.34	23.19	<=30	Pass
			25	22.95	0.34	23.29	<=30	Pass
			50	22.86	0.34	23.20	<=30	Pass
		100	0	22.86	0.34	23.20	<=30	Pass
16QAM	1720	1	0	23.37	0.34	23.71	<=30	Pass
			50	23.33	0.34	23.67	<=30	Pass
			99	23.32	0.34	23.66	<=30	Pass
		50	0	22.09	0.34	22.43	<=30	Pass
			25	22.09	0.34	22.43	<=30	Pass
			50	21.92	0.34	22.26	<=30	Pass
		100	0	22.04	0.34	22.38	<=30	Pass
	1732.5	1	0	23.47	0.34	23.81	<=30	Pass
			50	23.47	0.34	23.81	<=30	Pass
			99	23.37	0.34	23.71	<=30	Pass
		50	0	22.11	0.34	22.45	<=30	Pass
			25	22.06	0.34	22.40	<=30	Pass
			50	22.16	0.34	22.50	<=30	Pass
		100	0	22.15	0.34	22.49	<=30	Pass
	1745	1	0	23.22	0.34	23.56	<=30	Pass
			50	23.22	0.34	23.56	<=30	Pass
			99	23.09	0.34	23.43	<=30	Pass
		50	0	21.83	0.34	22.17	<=30	Pass
			25	21.94	0.34	22.28	<=30	Pass
			50	21.88	0.34	22.22	<=30	Pass
		100	0	21.88	0.34	22.22	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	0.944	0.0006	-2.5 to 2.5	Pass
					3.85	0.257	0.0002	-2.5 to 2.5	Pass
					4.43	-0.243	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-5.450	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	3.347	0.0020	-2.5 to 2.5	Pass
				0	3.85	4.320	0.0025	-2.5 to 2.5	Pass
				10	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				30	3.85	-3.891	-0.0023	-2.5 to 2.5	Pass
				40	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				50	3.85	1.216	0.0007	-2.5 to 2.5	Pass

	1732.5	6	0	20	3.27	-3.805	-0.0022	-2.5 to 2.5	Pass
					3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
					4.43	-5.465	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	3.319	0.0019	-2.5 to 2.5	Pass
				-20	3.85	5.507	0.0032	-2.5 to 2.5	Pass
				-10	3.85	5.307	0.0031	-2.5 to 2.5	Pass
				0	3.85	2.189	0.0013	-2.5 to 2.5	Pass
				10	3.85	3.262	0.0019	-2.5 to 2.5	Pass
				30	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				40	3.85	4.706	0.0027	-2.5 to 2.5	Pass
				50	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	1.087	0.0006	-2.5 to 2.5	Pass
					3.85	-6.967	-0.0040	-2.5 to 2.5	Pass
					4.43	2.847	0.0016	-2.5 to 2.5	Pass
				-30	3.85	3.934	0.0022	-2.5 to 2.5	Pass
				-20	3.85	3.448	0.0020	-2.5 to 2.5	Pass
				-10	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
				0	3.85	4.349	0.0025	-2.5 to 2.5	Pass
				10	3.85	3.848	0.0022	-2.5 to 2.5	Pass
				30	3.85	4.177	0.0024	-2.5 to 2.5	Pass
				40	3.85	5.808	0.0033	-2.5 to 2.5	Pass
				50	3.85	5.665	0.0032	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	0.257	0.0002	-2.5 to 2.5	Pass
					3.85	-0.043	0.0000	-2.5 to 2.5	Pass
					4.43	-3.777	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	2.375	0.0014	-2.5 to 2.5	Pass
				0	3.85	5.779	0.0034	-2.5 to 2.5	Pass
				10	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				30	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				40	3.85	3.419	0.0020	-2.5 to 2.5	Pass
				50	3.85	-3.734	-0.0022	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	2.503	0.0014	-2.5 to 2.5	Pass
					3.85	4.048	0.0023	-2.5 to 2.5	Pass
					4.43	-0.629	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-7.453	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	4.206	0.0024	-2.5 to 2.5	Pass
				-10	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.787	0.0005	-2.5 to 2.5	Pass
				30	3.85	5.894	0.0034	-2.5 to 2.5	Pass
				40	3.85	5.493	0.0032	-2.5 to 2.5	Pass
				50	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	5.908	0.0034	-2.5 to 2.5	Pass
					3.85	5.035	0.0029	-2.5 to 2.5	Pass
					4.43	-1.745	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	2.832	0.0016	-2.5 to 2.5	Pass
				-20	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-2.689	-0.0015	-2.5 to 2.5	Pass
				0	3.85	2.503	0.0014	-2.5 to 2.5	Pass
				10	3.85	-5.307	-0.0030	-2.5 to 2.5	Pass
				30	3.85	4.263	0.0024	-2.5 to 2.5	Pass
				40	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
				50	3.85	0.415	0.0002	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-3.190	-0.0019	-2.5 to 2.5	Pass
					3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
					4.43	-0.486	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				-10	3.85	2.589	0.0015	-2.5 to 2.5	Pass
				0	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				10	3.85	3.090	0.0018	-2.5 to 2.5	Pass
				30	3.85	2.232	0.0013	-2.5 to 2.5	Pass
				40	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				50	3.85	1.087	0.0006	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	4.678	0.0027	-2.5 to 2.5	Pass
					3.85	5.293	0.0031	-2.5 to 2.5	Pass
					4.43	5.050	0.0029	-2.5 to 2.5	Pass
				-30	3.85	9.885	0.0057	-2.5 to 2.5	Pass
				-20	3.85	10.829	0.0063	-2.5 to 2.5	Pass
				-10	3.85	10.285	0.0059	-2.5 to 2.5	Pass
				0	3.85	11.616	0.0067	-2.5 to 2.5	Pass
				10	3.85	6.394	0.0037	-2.5 to 2.5	Pass
				30	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				40	3.85	4.249	0.0025	-2.5 to 2.5	Pass
				50	3.85	0.243	0.0001	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	10.028	0.0057	-2.5 to 2.5	Pass
					3.85	3.705	0.0021	-2.5 to 2.5	Pass
					4.43	-1.888	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				-20	3.85	5.751	0.0033	-2.5 to 2.5	Pass
				-10	3.85	4.807	0.0027	-2.5 to 2.5	Pass
				0	3.85	4.420	0.0025	-2.5 to 2.5	Pass
				10	3.85	6.638	0.0038	-2.5 to 2.5	Pass
				30	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.958	0.0005	-2.5 to 2.5	Pass
				50	3.85	2.303	0.0013	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-0.672	-0.0004	-2.5 to 2.5	Pass
					3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
					4.43	1.931	0.0011	-2.5 to 2.5	Pass
				-30	3.85	3.462	0.0020	-2.5 to 2.5	Pass
				-20	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
				0	3.85	0.257	0.0002	-2.5 to 2.5	Pass
				10	3.85	1.345	0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.988	-0.0012	-2.5 to 2.5	Pass
				40	3.85	3.734	0.0022	-2.5 to 2.5	Pass
				50	3.85	4.849	0.0028	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	2.661	0.0015	-2.5 to 2.5	Pass
					3.85	1.516	0.0009	-2.5 to 2.5	Pass
					4.43	2.604	0.0015	-2.5 to 2.5	Pass
				-30	3.85	2.847	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass

				-10	3.85	2.761	0.0016	-2.5 to 2.5	Pass
				0	3.85	7.911	0.0046	-2.5 to 2.5	Pass
				10	3.85	0.587	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				40	3.85	4.520	0.0026	-2.5 to 2.5	Pass
				50	3.85	5.407	0.0031	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-1.731	-0.0010	-2.5 to 2.5	Pass
					3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
					4.43	3.347	0.0019	-2.5 to 2.5	Pass
				-30	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				0	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				10	3.85	4.835	0.0028	-2.5 to 2.5	Pass
				30	3.85	4.091	0.0023	-2.5 to 2.5	Pass
				40	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass

2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	1.988	0.0012	-2.5 to 2.5	Pass
					3.85	1.888	0.0011	-2.5 to 2.5	Pass
					4.43	-0.758	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				0	3.85	4.592	0.0027	-2.5 to 2.5	Pass
				10	3.85	4.678	0.0027	-2.5 to 2.5	Pass
				30	3.85	2.503	0.0015	-2.5 to 2.5	Pass
				40	3.85	2.961	0.0017	-2.5 to 2.5	Pass
				50	3.85	3.920	0.0023	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	0.830	0.0005	-2.5 to 2.5	Pass
					3.85	4.334	0.0025	-2.5 to 2.5	Pass
					4.43	4.749	0.0027	-2.5 to 2.5	Pass
				-30	3.85	4.377	0.0025	-2.5 to 2.5	Pass
				-20	3.85	4.678	0.0027	-2.5 to 2.5	Pass
				-10	3.85	4.077	0.0024	-2.5 to 2.5	Pass
				0	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				10	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				30	3.85	2.275	0.0013	-2.5 to 2.5	Pass
				40	3.85	3.090	0.0018	-2.5 to 2.5	Pass
				50	3.85	8.283	0.0048	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	4.721	0.0027	-2.5 to 2.5	Pass
					3.85	0.529	0.0003	-2.5 to 2.5	Pass
					4.43	0.229	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				0	3.85	2.918	0.0017	-2.5 to 2.5	Pass
				10	3.85	0.257	0.0001	-2.5 to 2.5	Pass

				30	3.85	5.307	0.0030	-2.5 to 2.5	Pass
				40	3.85	1.688	0.0010	-2.5 to 2.5	Pass
				50	3.85	1.416	0.0008	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	4.549	0.0027	-2.5 to 2.5	Pass
					3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
					4.43	2.246	0.0013	-2.5 to 2.5	Pass
				-30	3.85	2.632	0.0015	-2.5 to 2.5	Pass
				-20	3.85	3.633	0.0021	-2.5 to 2.5	Pass
				-10	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				0	3.85	2.675	0.0016	-2.5 to 2.5	Pass
				10	3.85	2.031	0.0012	-2.5 to 2.5	Pass
				30	3.85	2.432	0.0014	-2.5 to 2.5	Pass
				40	3.85	1.187	0.0007	-2.5 to 2.5	Pass
				50	3.85	3.877	0.0023	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	4.478	0.0026	-2.5 to 2.5	Pass
					3.85	1.760	0.0010	-2.5 to 2.5	Pass
					4.43	0.572	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				-20	3.85	4.649	0.0027	-2.5 to 2.5	Pass
				-10	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				0	3.85	6.495	0.0037	-2.5 to 2.5	Pass
				10	3.85	3.333	0.0019	-2.5 to 2.5	Pass
				30	3.85	3.791	0.0022	-2.5 to 2.5	Pass
				40	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				50	3.85	5.507	0.0032	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-0.129	-0.0001	-2.5 to 2.5	Pass
					3.85	3.905	0.0022	-2.5 to 2.5	Pass
					4.43	-0.558	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	2.589	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				10	3.85	1.616	0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				40	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				50	3.85	2.117	0.0012	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	2.933	0.0017	-2.5 to 2.5	Pass
					3.85	4.506	0.0026	-2.5 to 2.5	Pass
					4.43	2.875	0.0017	-2.5 to 2.5	Pass
				-30	3.85	4.764	0.0028	-2.5 to 2.5	Pass
				-20	3.85	5.150	0.0030	-2.5 to 2.5	Pass
				-10	3.85	4.349	0.0025	-2.5 to 2.5	Pass
				0	3.85	5.550	0.0032	-2.5 to 2.5	Pass
				10	3.85	4.177	0.0024	-2.5 to 2.5	Pass
				30	3.85	4.520	0.0026	-2.5 to 2.5	Pass
				40	3.85	3.519	0.0021	-2.5 to 2.5	Pass
				50	3.85	4.106	0.0024	-2.5 to 2.5	Pass

	1732.5	50	0	20	3.27	5.951	0.0034	-2.5 to 2.5	Pass
					3.85	4.449	0.0026	-2.5 to 2.5	Pass
					4.43	2.303	0.0013	-2.5 to 2.5	Pass
				-30	3.85	4.535	0.0026	-2.5 to 2.5	Pass
				-20	3.85	4.234	0.0024	-2.5 to 2.5	Pass
				-10	3.85	4.807	0.0028	-2.5 to 2.5	Pass
				0	3.85	4.406	0.0025	-2.5 to 2.5	Pass
				10	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				30	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				40	3.85	3.262	0.0019	-2.5 to 2.5	Pass
				50	3.85	3.490	0.0020	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	1.173	0.0007	-2.5 to 2.5	Pass
					3.85	2.818	0.0016	-2.5 to 2.5	Pass
					4.43	2.904	0.0017	-2.5 to 2.5	Pass
				-30	3.85	3.219	0.0018	-2.5 to 2.5	Pass
				-20	3.85	3.963	0.0023	-2.5 to 2.5	Pass
				-10	3.85	1.616	0.0009	-2.5 to 2.5	Pass
				0	3.85	2.990	0.0017	-2.5 to 2.5	Pass
				10	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				30	3.85	2.804	0.0016	-2.5 to 2.5	Pass
				40	3.85	2.275	0.0013	-2.5 to 2.5	Pass
				50	3.85	4.005	0.0023	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	5.178	0.0030	-2.5 to 2.5	Pass
					3.85	3.591	0.0021	-2.5 to 2.5	Pass
					4.43	6.437	0.0038	-2.5 to 2.5	Pass
				-30	3.85	3.834	0.0022	-2.5 to 2.5	Pass
				-20	3.85	4.892	0.0029	-2.5 to 2.5	Pass
				-10	3.85	2.661	0.0016	-2.5 to 2.5	Pass
				0	3.85	4.420	0.0026	-2.5 to 2.5	Pass
				10	3.85	3.433	0.0020	-2.5 to 2.5	Pass
				30	3.85	5.393	0.0031	-2.5 to 2.5	Pass
				40	3.85	4.864	0.0028	-2.5 to 2.5	Pass
				50	3.85	2.832	0.0017	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	5.264	0.0030	-2.5 to 2.5	Pass
					3.85	6.924	0.0040	-2.5 to 2.5	Pass
					4.43	1.044	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				-20	3.85	4.907	0.0028	-2.5 to 2.5	Pass
				-10	3.85	3.905	0.0023	-2.5 to 2.5	Pass
				0	3.85	4.306	0.0025	-2.5 to 2.5	Pass
				10	3.85	2.418	0.0014	-2.5 to 2.5	Pass
				30	3.85	3.018	0.0017	-2.5 to 2.5	Pass
				40	3.85	2.475	0.0014	-2.5 to 2.5	Pass
				50	3.85	4.721	0.0027	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	1.359	0.0008	-2.5 to 2.5	Pass
					3.85	2.732	0.0016	-2.5 to 2.5	Pass
					4.43	1.903	0.0011	-2.5 to 2.5	Pass
				-30	3.85	2.031	0.0012	-2.5 to 2.5	Pass
				-20	3.85	5.379	0.0031	-2.5 to 2.5	Pass
				-10	3.85	2.260	0.0013	-2.5 to 2.5	Pass
				0	3.85	6.094	0.0035	-2.5 to 2.5	Pass
				10	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
				30	3.85	4.849	0.0028	-2.5 to 2.5	Pass
				40	3.85	3.934	0.0022	-2.5 to 2.5	Pass
				50	3.85	3.090	0.0018	-2.5 to 2.5	Pass

2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-0.615	-0.0004	-2.5 to 2.5	Pass
					3.85	7.553	0.0044	-2.5 to 2.5	Pass
					4.43	1.345	0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.674	0.0010	-2.5 to 2.5	Pass
				-20	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				10	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				30	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				40	3.85	1.202	0.0007	-2.5 to 2.5	Pass
				50	3.85	1.044	0.0006	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-2.160	-0.0012	-2.5 to 2.5	Pass
					3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
					4.43	0.730	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
				50	3.85	0.014	0.0000	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	2.775	0.0016	-2.5 to 2.5	Pass
					3.85	2.317	0.0013	-2.5 to 2.5	Pass
					4.43	1.116	0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.001	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				0	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				40	3.85	2.074	0.0012	-2.5 to 2.5	Pass
				50	3.85	1.044	0.0006	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	0.100	0.0001	-2.5 to 2.5	Pass
					3.85	0.930	0.0005	-2.5 to 2.5	Pass
					4.43	0.515	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.687	0.0004	-2.5 to 2.5	Pass
				-20	3.85	3.791	0.0022	-2.5 to 2.5	Pass
				-10	3.85	3.519	0.0020	-2.5 to 2.5	Pass
				0	3.85	3.276	0.0019	-2.5 to 2.5	Pass
				10	3.85	3.133	0.0018	-2.5 to 2.5	Pass
				30	3.85	3.405	0.0020	-2.5 to 2.5	Pass
				40	3.85	5.164	0.0030	-2.5 to 2.5	Pass
				50	3.85	4.992	0.0029	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-0.472	-0.0003	-2.5 to 2.5	Pass
					3.85	-2.003	-0.0012	-2.5 to 2.5	Pass
					4.43	-0.787	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.431	0.0008	-2.5 to 2.5	Pass

				-10	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				10	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				30	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				40	3.85	2.890	0.0017	-2.5 to 2.5	Pass
				50	3.85	4.048	0.0023	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	1.402	0.0008	-2.5 to 2.5	Pass
					3.85	0.343	0.0002	-2.5 to 2.5	Pass
					4.43	1.945	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				-20	3.85	5.751	0.0033	-2.5 to 2.5	Pass
				-10	3.85	7.281	0.0042	-2.5 to 2.5	Pass
				0	3.85	5.794	0.0033	-2.5 to 2.5	Pass
				10	3.85	5.908	0.0034	-2.5 to 2.5	Pass
				30	3.85	4.535	0.0026	-2.5 to 2.5	Pass
				40	3.85	3.691	0.0021	-2.5 to 2.5	Pass
				50	3.85	5.021	0.0029	-2.5 to 2.5	Pass

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	0.300	0.0002	-2.5 to 2.5	Pass
					3.85	1.502	0.0009	-2.5 to 2.5	Pass
					4.43	-0.257	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.202	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				-10	3.85	2.818	0.0016	-2.5 to 2.5	Pass
				0	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				30	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				40	3.85	1.030	0.0006	-2.5 to 2.5	Pass
				50	3.85	1.044	0.0006	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-1.602	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
					4.43	0.086	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				30	3.85	2.031	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				50	3.85	1.945	0.0011	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	6.866	0.0039	-2.5 to 2.5	Pass
					3.85	4.034	0.0023	-2.5 to 2.5	Pass
					4.43	4.220	0.0024	-2.5 to 2.5	Pass
				-30	3.85	3.419	0.0020	-2.5 to 2.5	Pass
				-20	3.85	5.722	0.0033	-2.5 to 2.5	Pass
				-10	3.85	5.622	0.0032	-2.5 to 2.5	Pass
				0	3.85	5.221	0.0030	-2.5 to 2.5	Pass
				10	3.85	5.164	0.0030	-2.5 to 2.5	Pass

				30	3.85	5.665	0.0032	-2.5 to 2.5	Pass
				40	3.85	4.892	0.0028	-2.5 to 2.5	Pass
				50	3.85	3.834	0.0022	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	2.389	0.0014	-2.5 to 2.5	Pass
					3.85	0.100	0.0001	-2.5 to 2.5	Pass
					4.43	2.890	0.0017	-2.5 to 2.5	Pass
				-30	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	2.532	0.0015	-2.5 to 2.5	Pass
				-10	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				0	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.974	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.402	0.0008	-2.5 to 2.5	Pass
				40	3.85	2.789	0.0016	-2.5 to 2.5	Pass
				50	3.85	0.000	0.0000	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	1.845	0.0011	-2.5 to 2.5	Pass
					3.85	1.731	0.0010	-2.5 to 2.5	Pass
					4.43	1.402	0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				-20	3.85	4.120	0.0024	-2.5 to 2.5	Pass
				-10	3.85	1.545	0.0009	-2.5 to 2.5	Pass
				0	3.85	2.289	0.0013	-2.5 to 2.5	Pass
				10	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				30	3.85	3.347	0.0019	-2.5 to 2.5	Pass
				40	3.85	3.448	0.0020	-2.5 to 2.5	Pass
				50	3.85	1.645	0.0009	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	6.266	0.0036	-2.5 to 2.5	Pass
					3.85	4.277	0.0025	-2.5 to 2.5	Pass
					4.43	6.523	0.0037	-2.5 to 2.5	Pass
				-30	3.85	6.924	0.0040	-2.5 to 2.5	Pass
				-20	3.85	5.221	0.0030	-2.5 to 2.5	Pass
				-10	3.85	4.692	0.0027	-2.5 to 2.5	Pass
				0	3.85	5.178	0.0030	-2.5 to 2.5	Pass
				10	3.85	3.805	0.0022	-2.5 to 2.5	Pass
				30	3.85	5.779	0.0033	-2.5 to 2.5	Pass
				40	3.85	4.449	0.0025	-2.5 to 2.5	Pass
				50	3.85	3.991	0.0023	-2.5 to 2.5	Pass

3. Modulation Characteristics

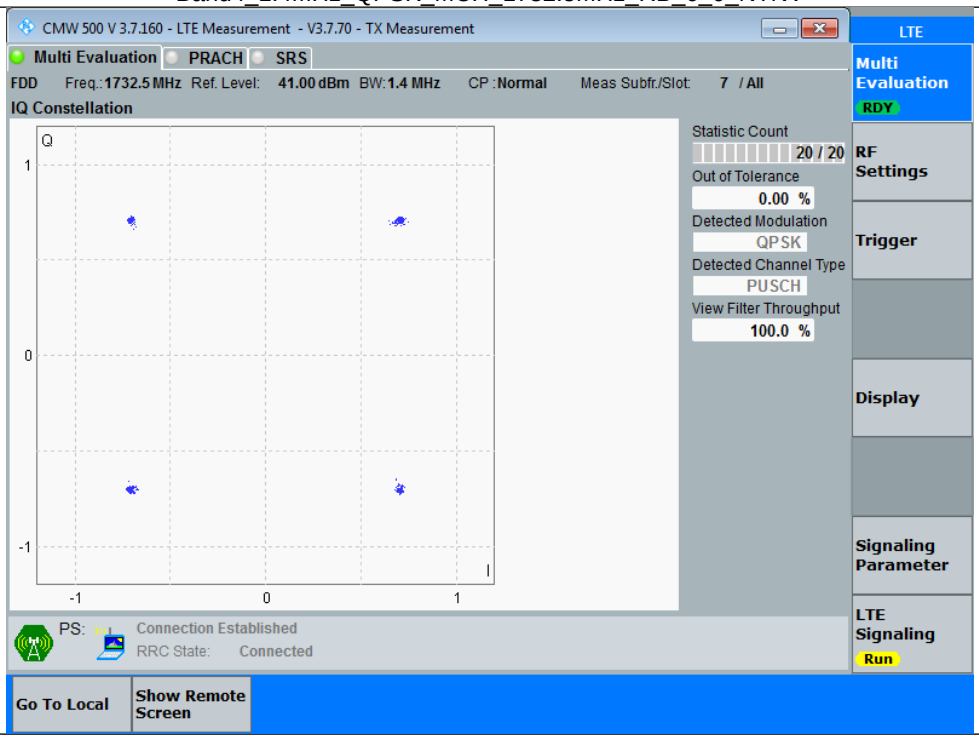
3.1 B4_1.4MHz

3.1.1 Test Result

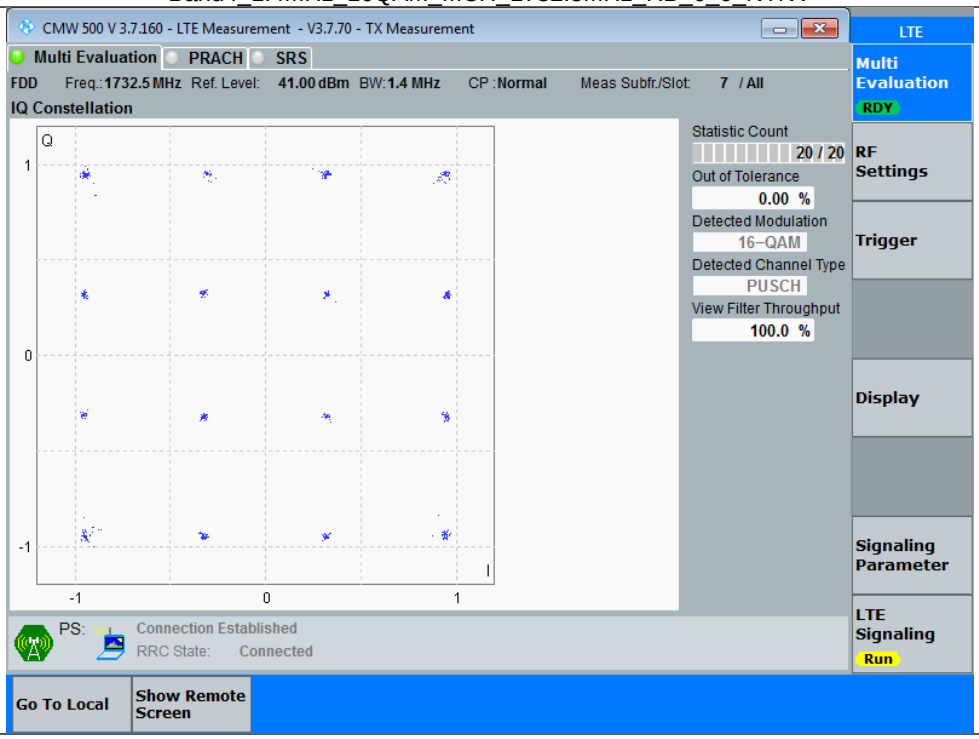
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



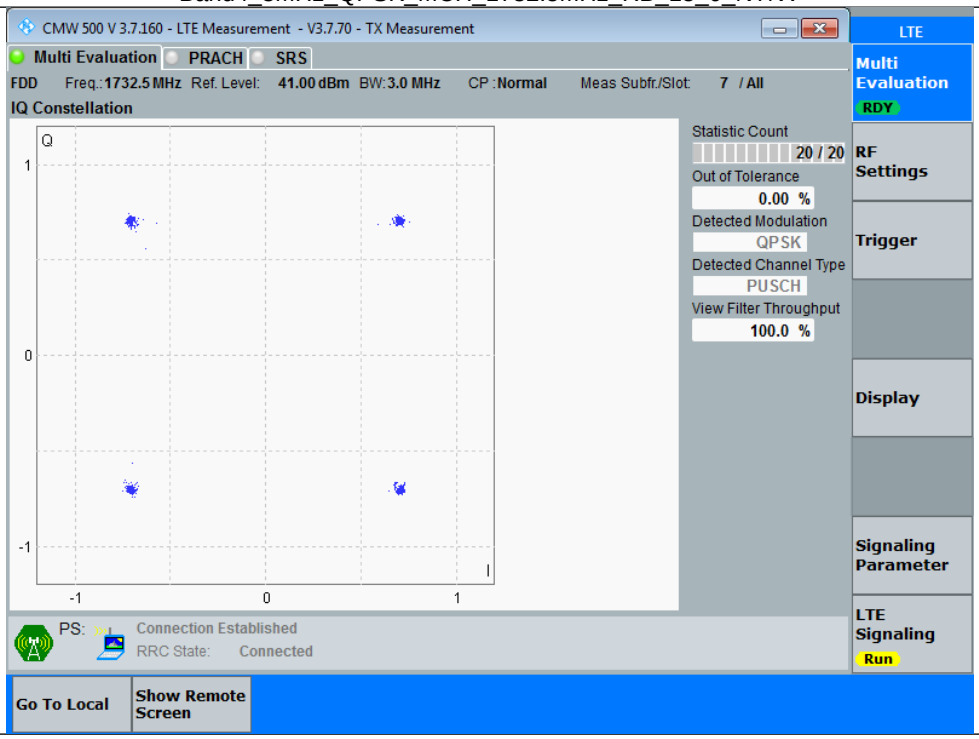
3.2 B4_3MHz

3.2.1 Test Result

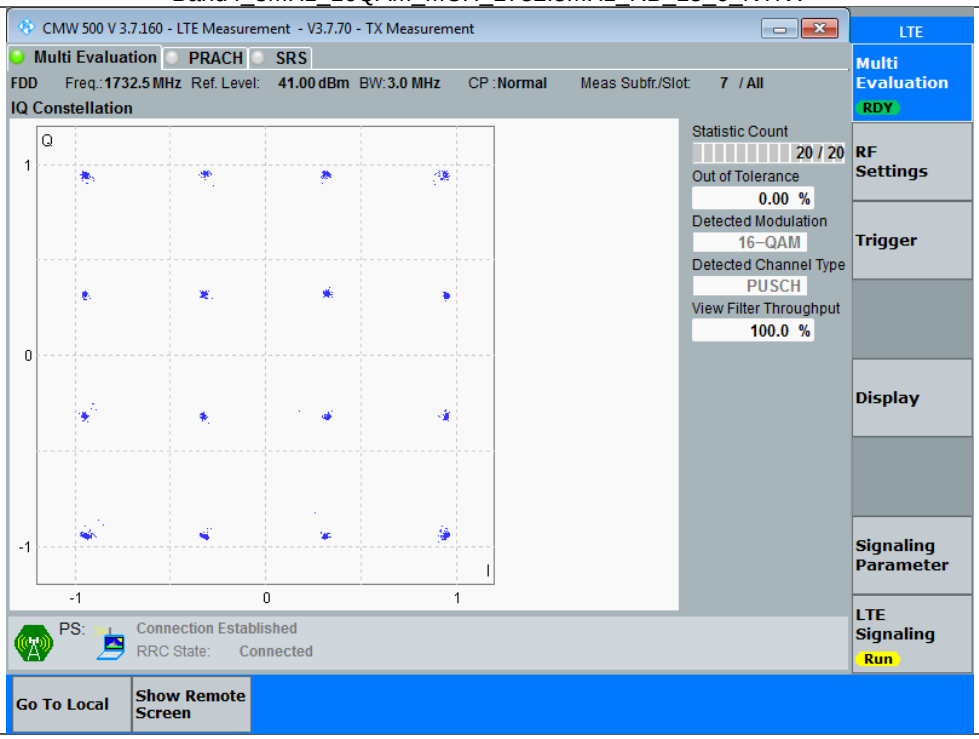
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



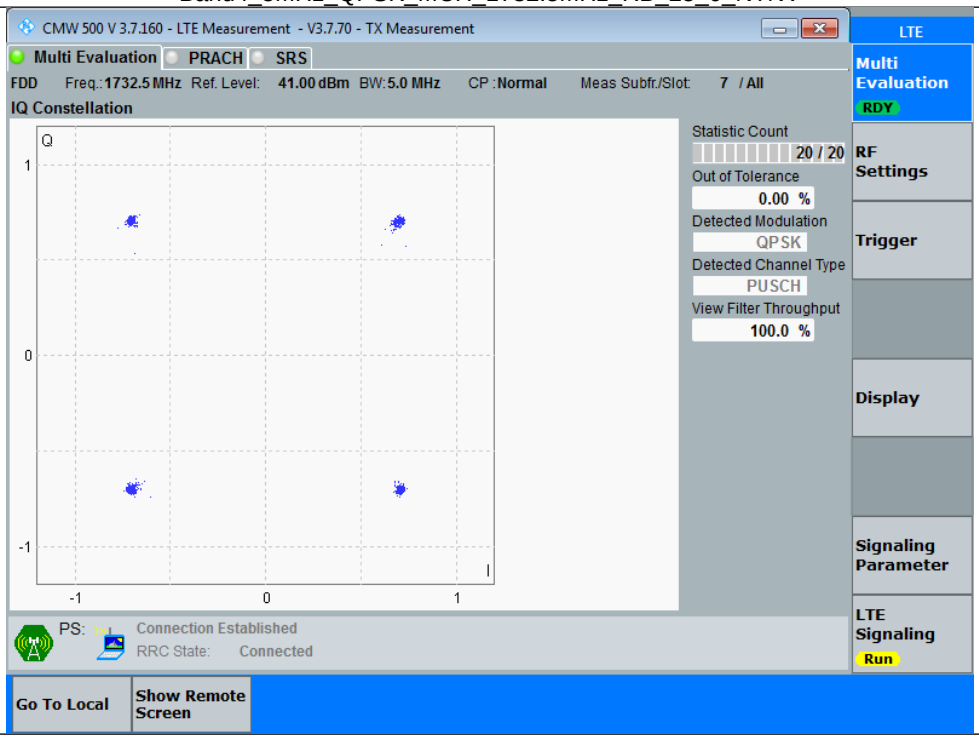
3.3 B4_5MHz

3.3.1 Test Result

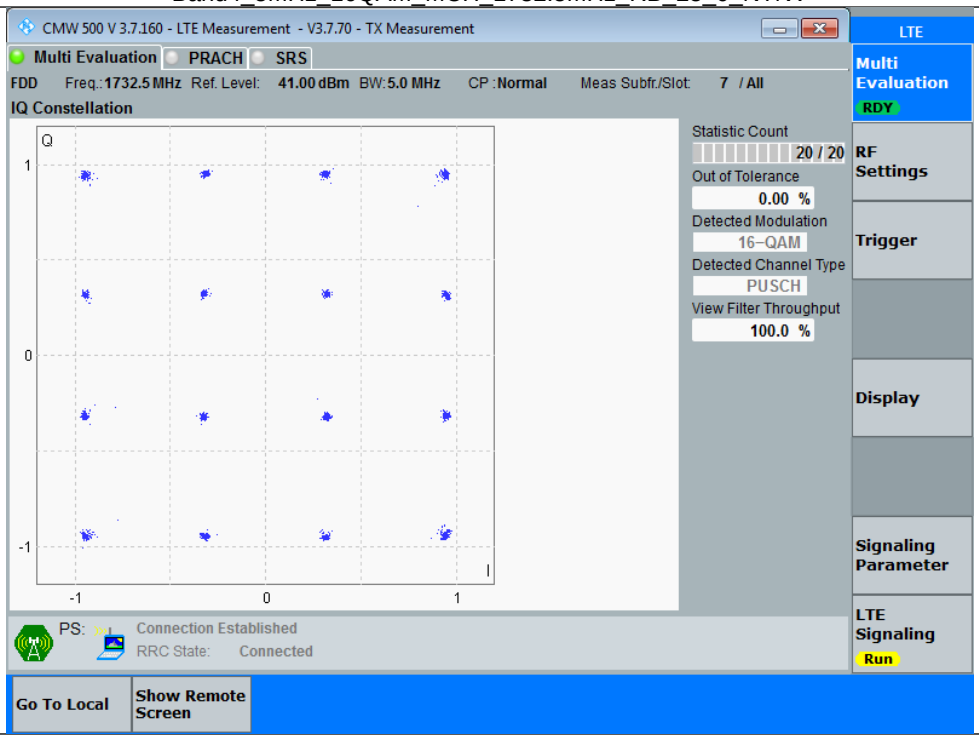
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



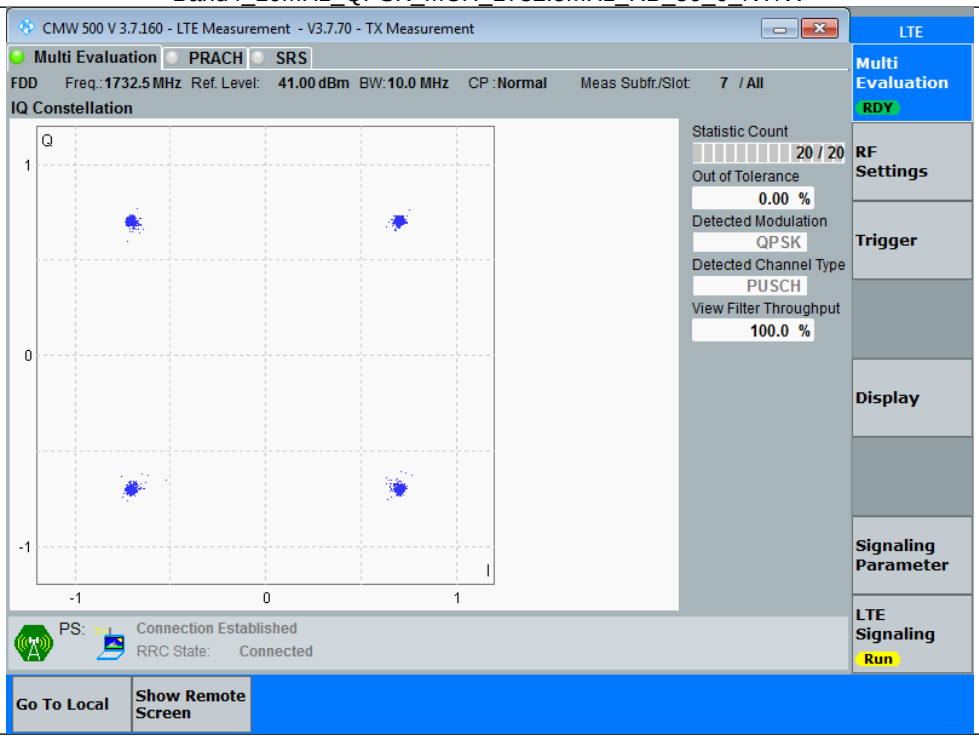
3.4 B4_10MHz

3.4.1 Test Result

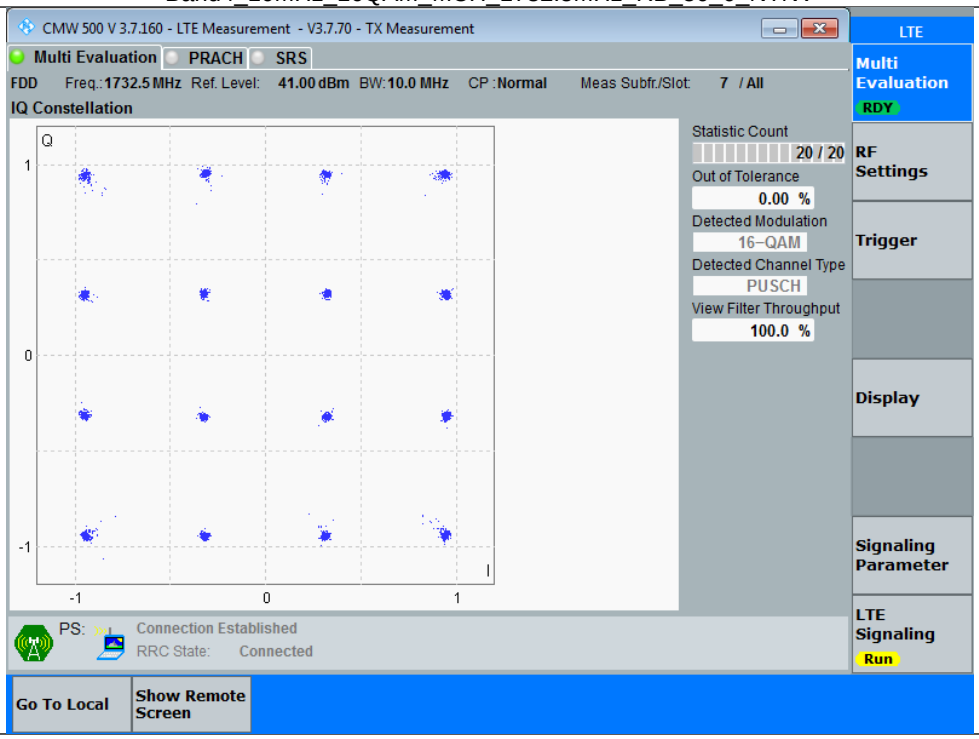
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



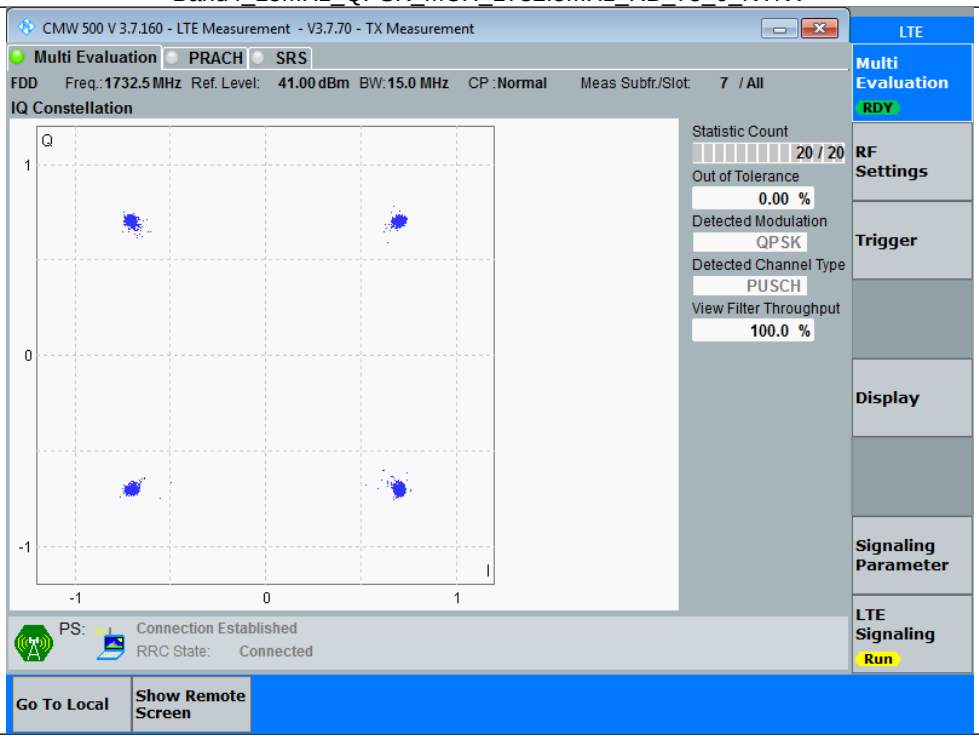
3.5 B4_15MHz

3.5.1 Test Result

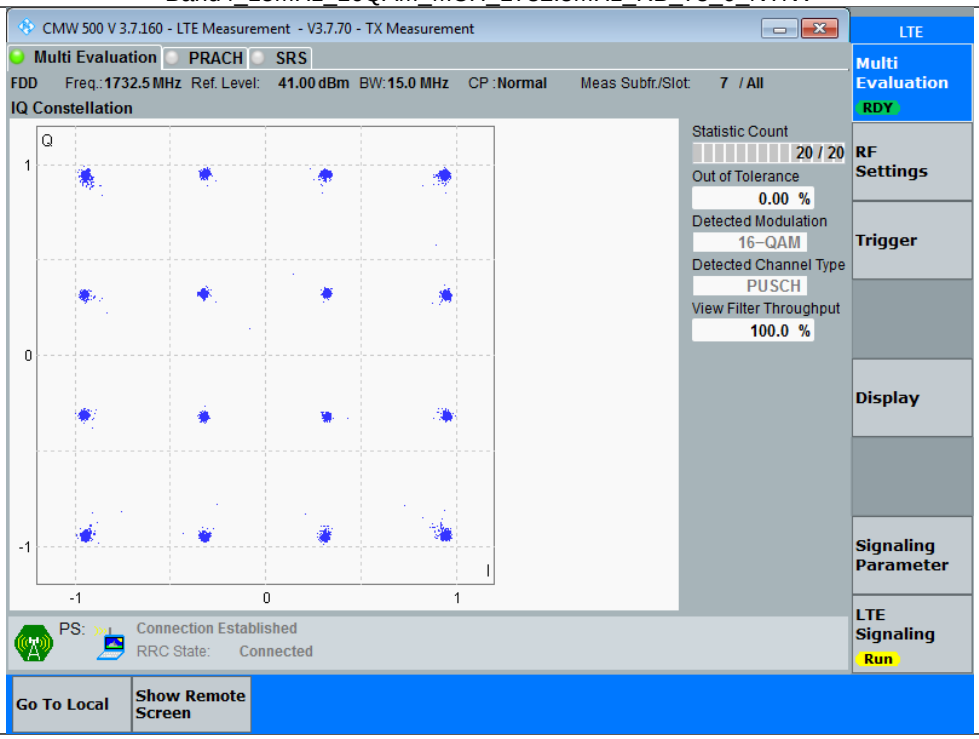
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.5.2 Test Graph

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



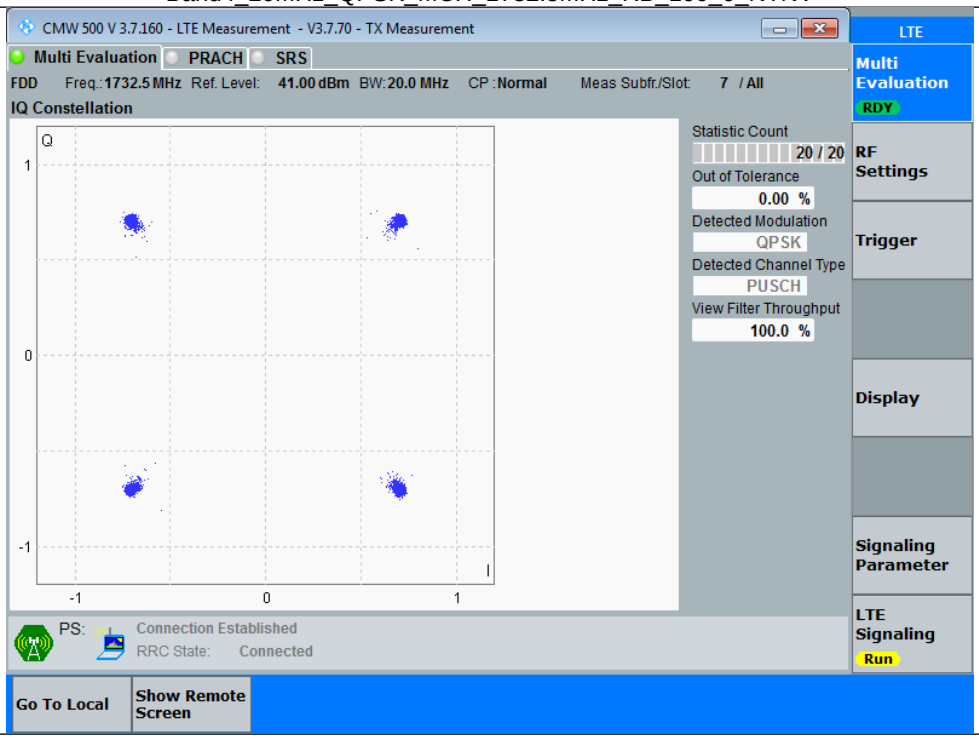
3.6 B4_20MHz

3.6.1 Test Result

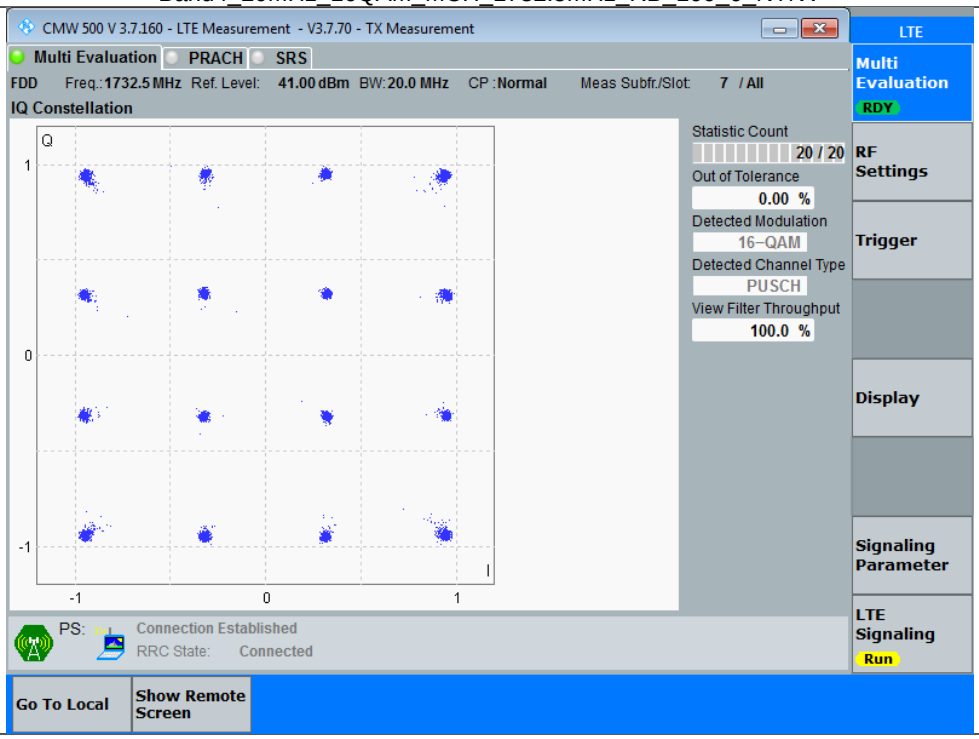
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.6.2 Test Graph

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



4. 99% & 26dB Bandwidth

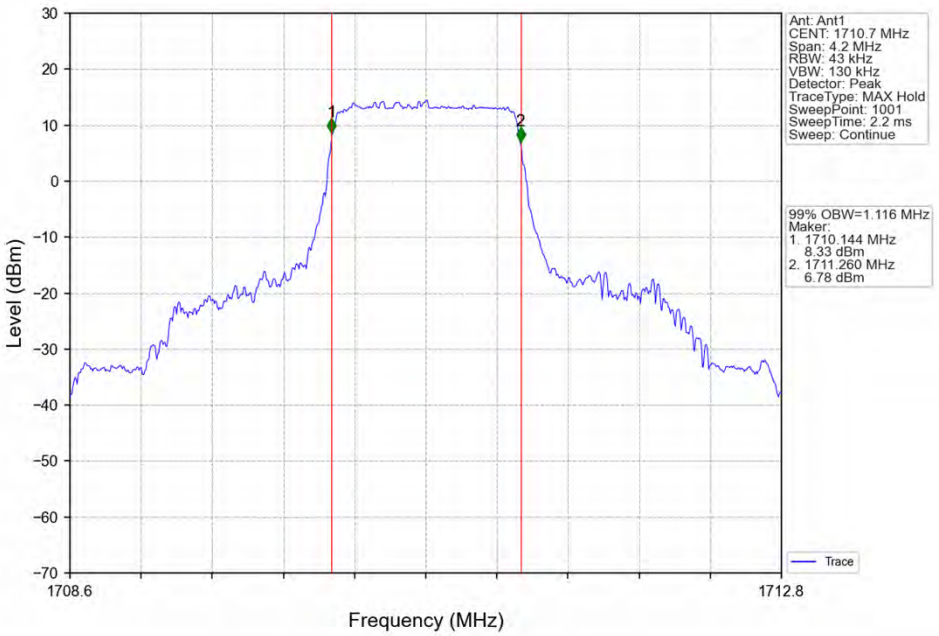
4.1 Band4_OBW

4.1.1 Test Result

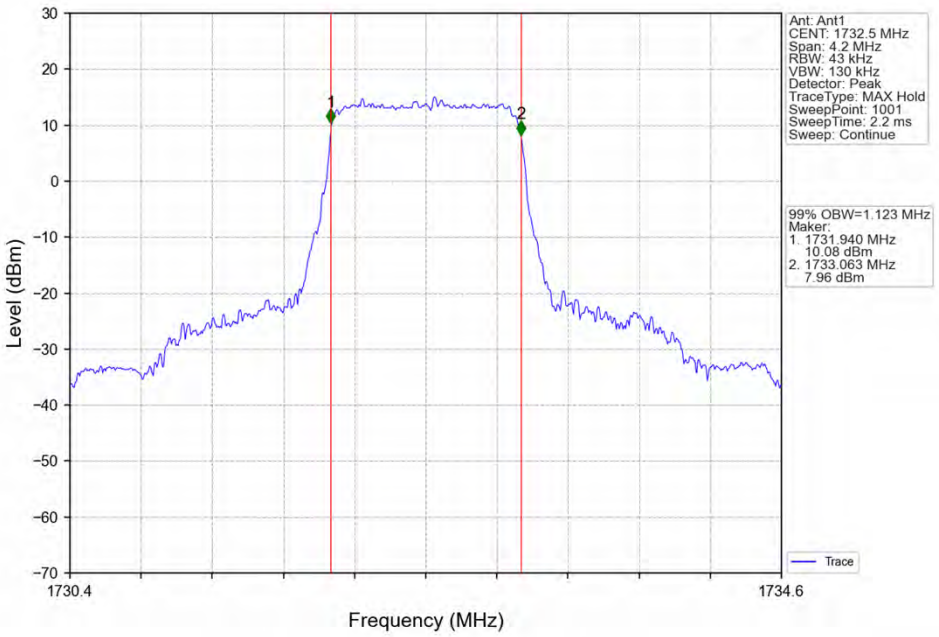
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.116	Pass
		1732.5	6	0	1.123	Pass
		1754.3	6	0	1.107	Pass
	16QAM	1710.7	6	0	1.102	Pass
		1732.5	6	0	1.108	Pass
		1754.3	6	0	1.114	Pass
3	QPSK	1711.5	15	0	2.741	Pass
		1732.5	15	0	2.732	Pass
		1753.5	15	0	2.732	Pass
	16QAM	1711.5	15	0	2.735	Pass
		1732.5	15	0	2.724	Pass
		1753.5	15	0	2.732	Pass
5	QPSK	1712.5	25	0	4.566	Pass
		1732.5	25	0	4.538	Pass
		1752.5	25	0	4.549	Pass
	16QAM	1712.5	25	0	4.532	Pass
		1732.5	25	0	4.563	Pass
		1752.5	25	0	4.553	Pass
10	QPSK	1715	50	0	9.065	Pass
		1732.5	50	0	9.063	Pass
		1750	50	0	9.059	Pass
	16QAM	1715	50	0	9.064	Pass
		1732.5	50	0	9.051	Pass
		1750	50	0	9.056	Pass
15	QPSK	1717.5	75	0	13.576	Pass
		1732.5	75	0	13.580	Pass
		1747.5	75	0	13.580	Pass
	16QAM	1717.5	75	0	13.575	Pass
		1732.5	75	0	13.623	Pass
		1747.5	75	0	13.579	Pass
20	QPSK	1720	100	0	18.087	Pass
		1732.5	100	0	18.176	Pass
		1745	100	0	18.067	Pass
	16QAM	1720	100	0	18.059	Pass
		1732.5	100	0	18.117	Pass
		1745	100	0	18.065	Pass

4.1.2 Test Graph

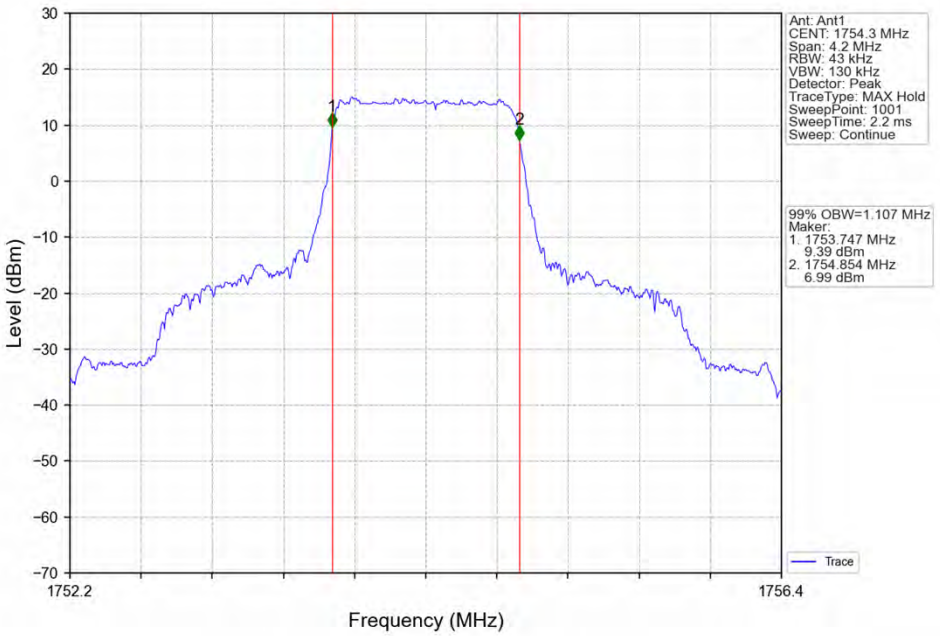
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



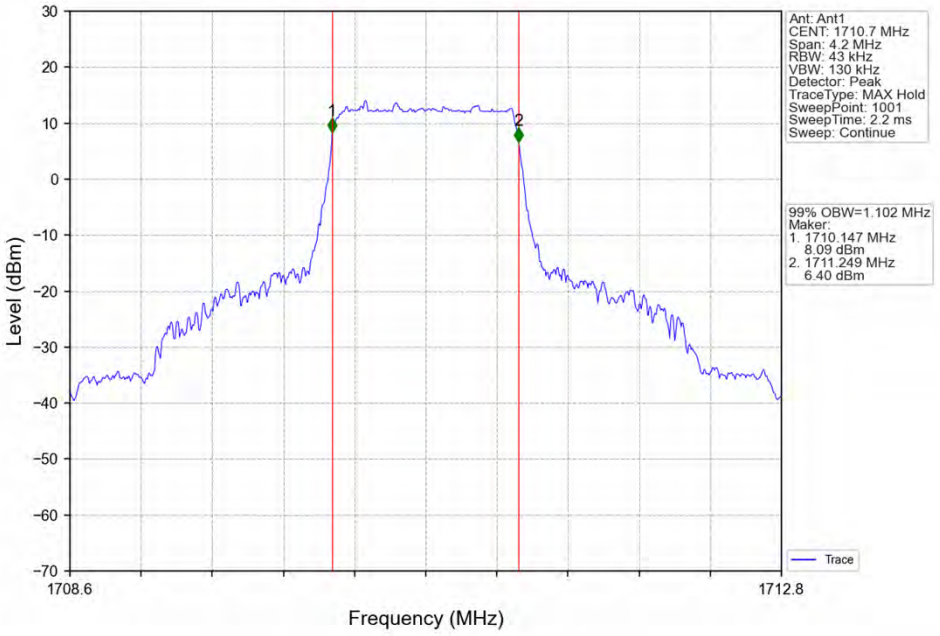
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



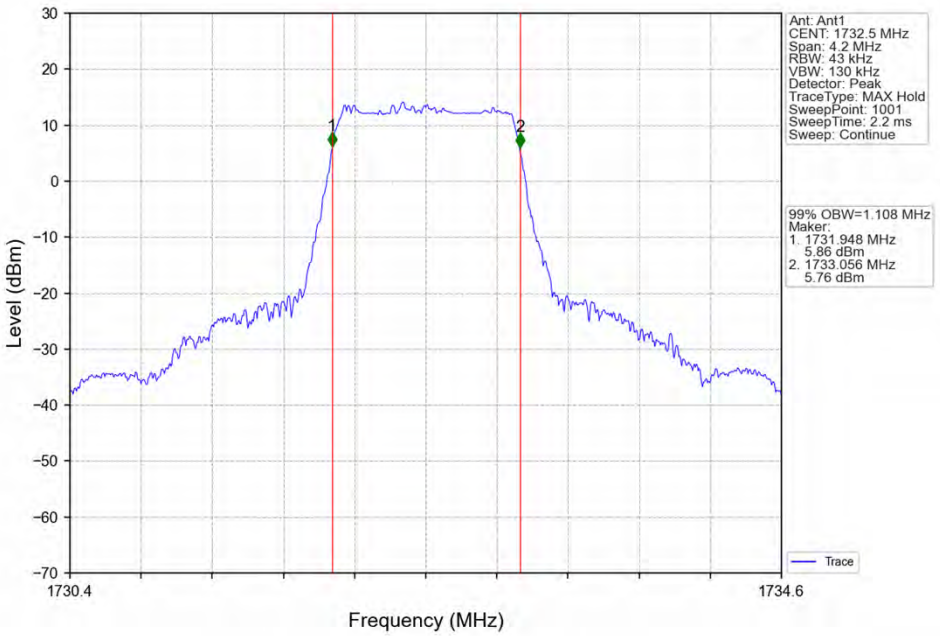
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



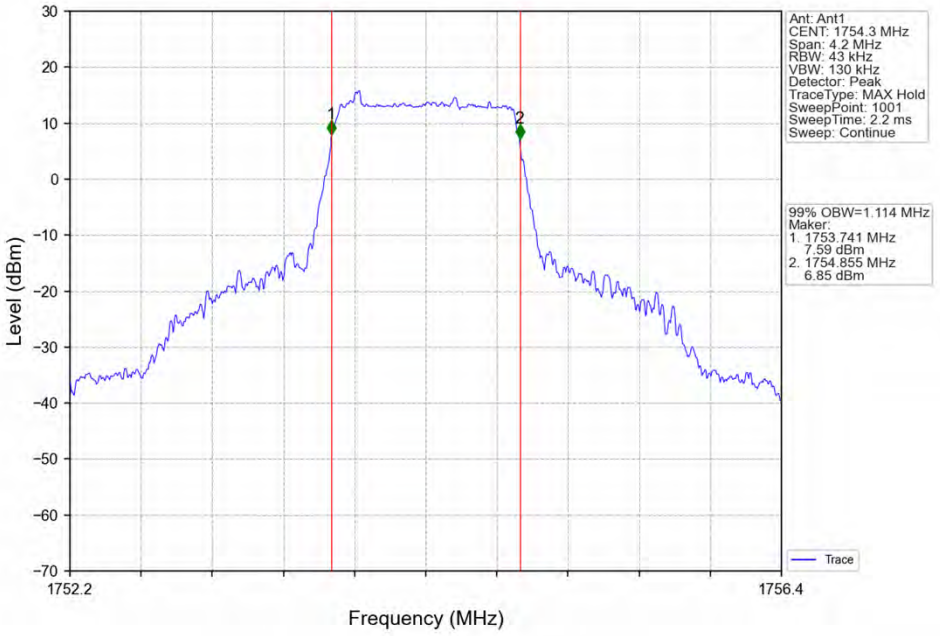
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



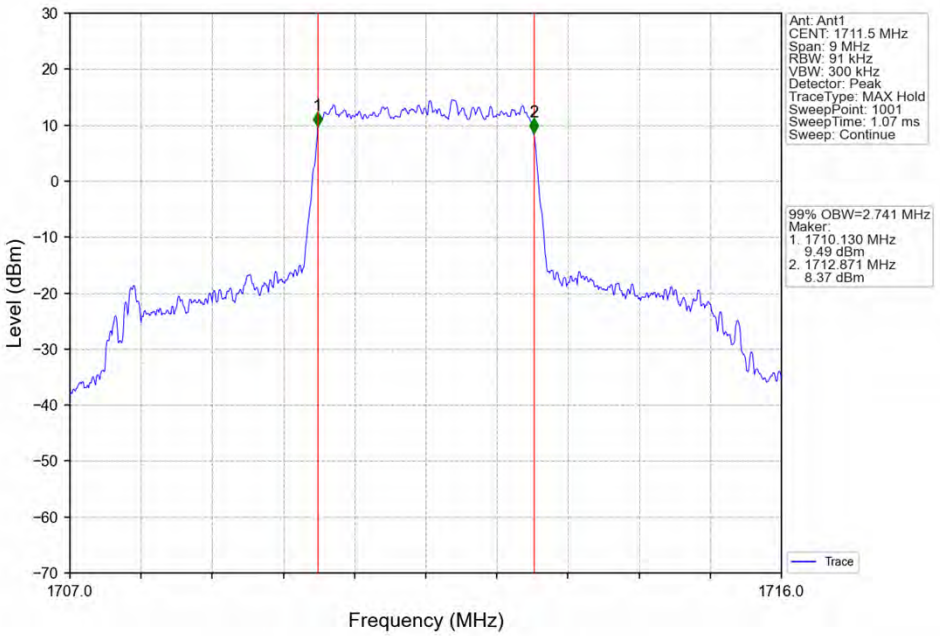
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



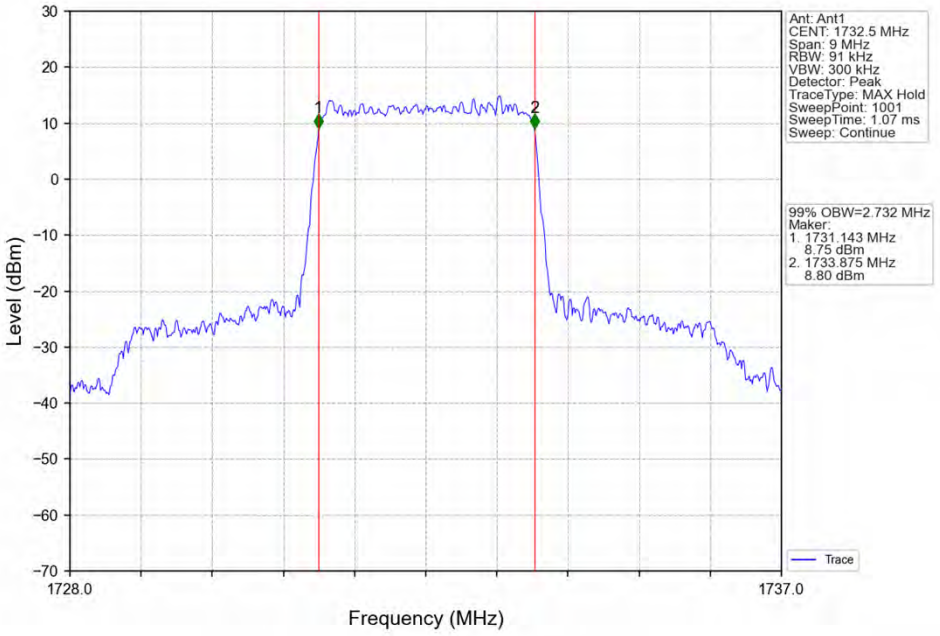
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



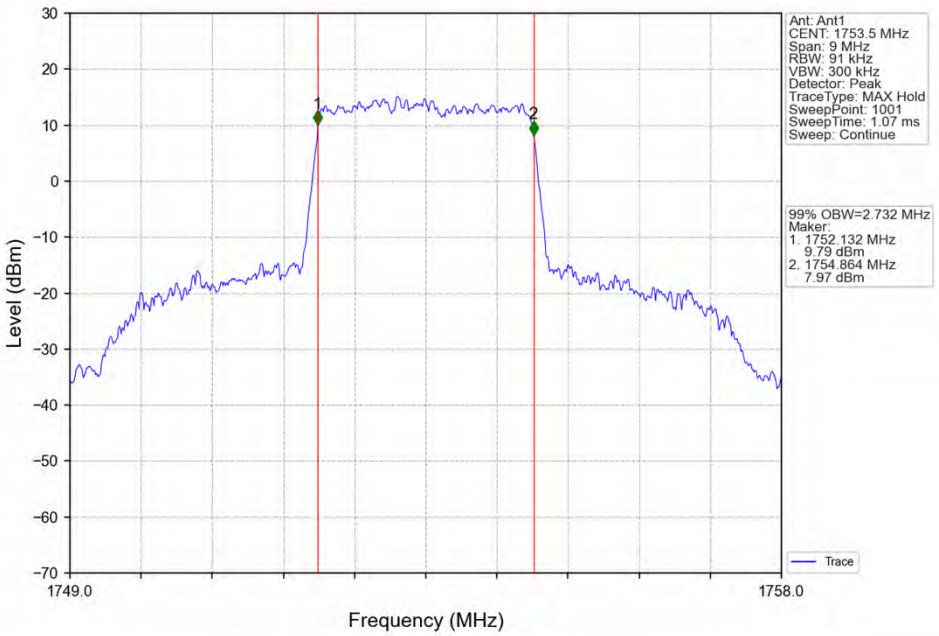
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



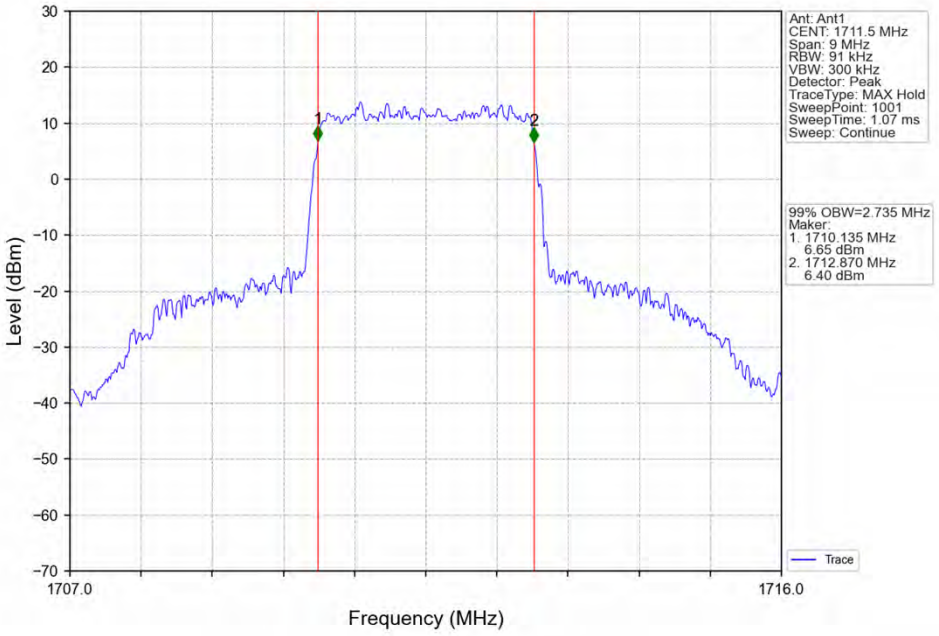
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



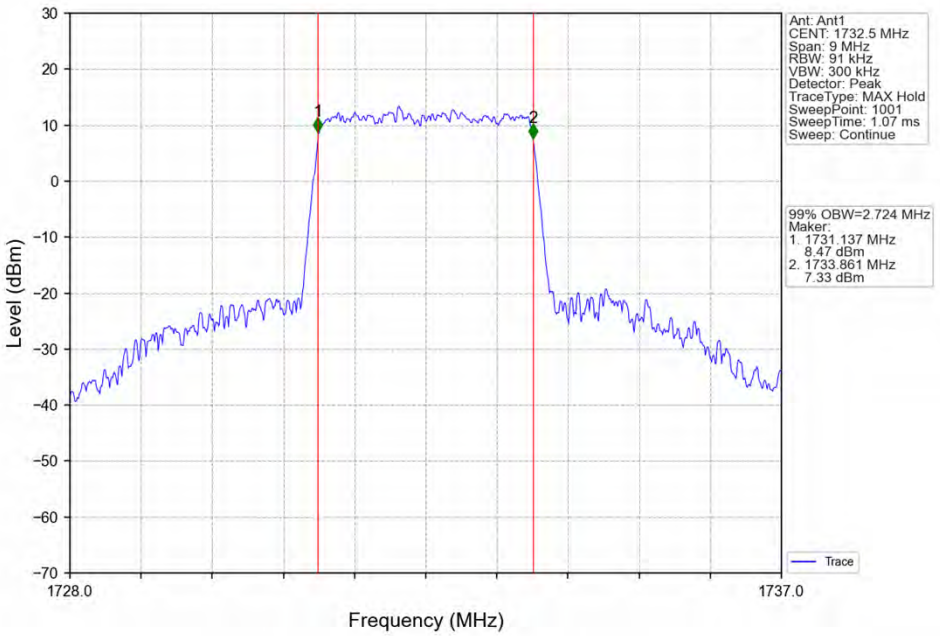
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



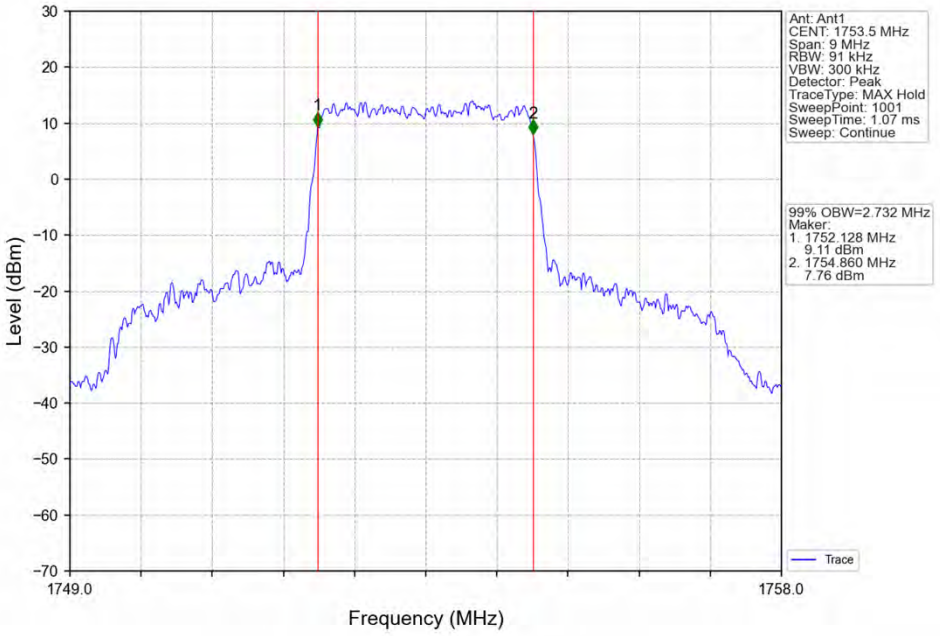
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



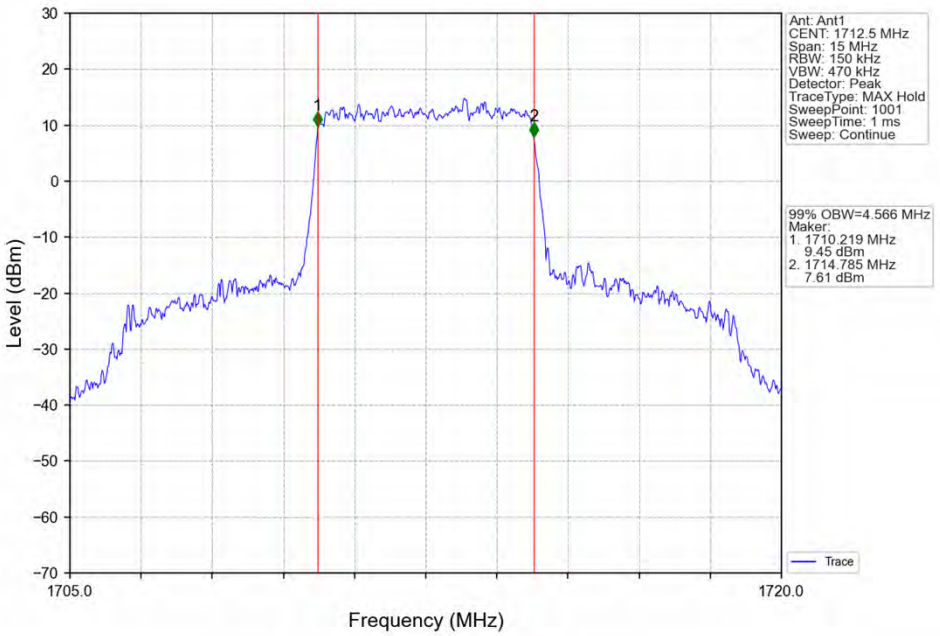
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



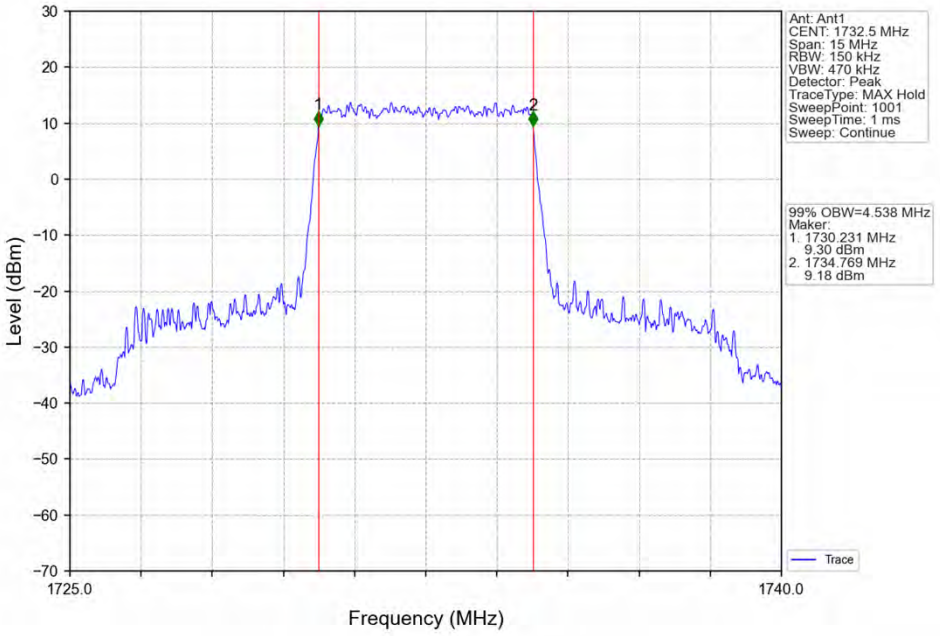
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



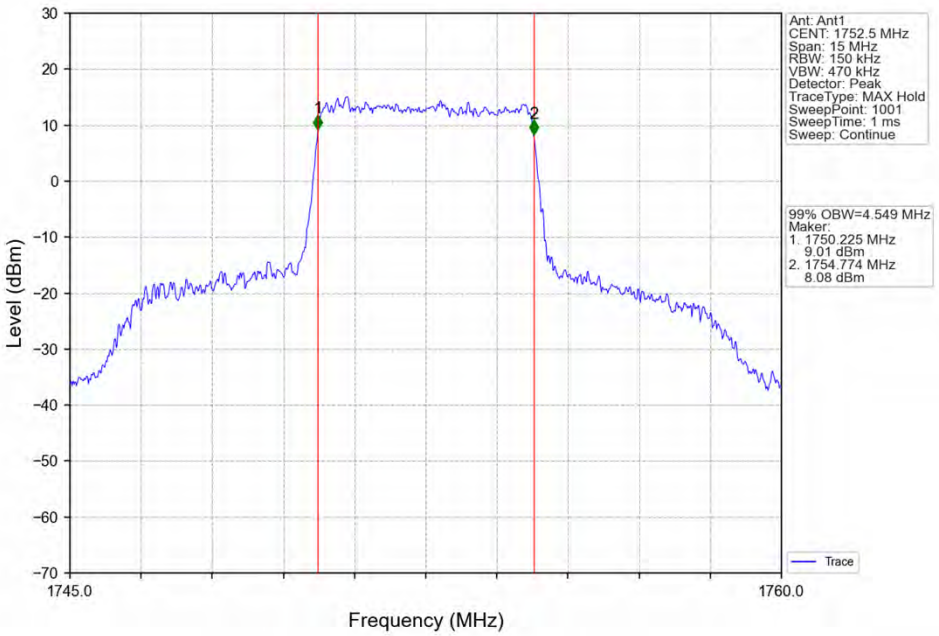
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



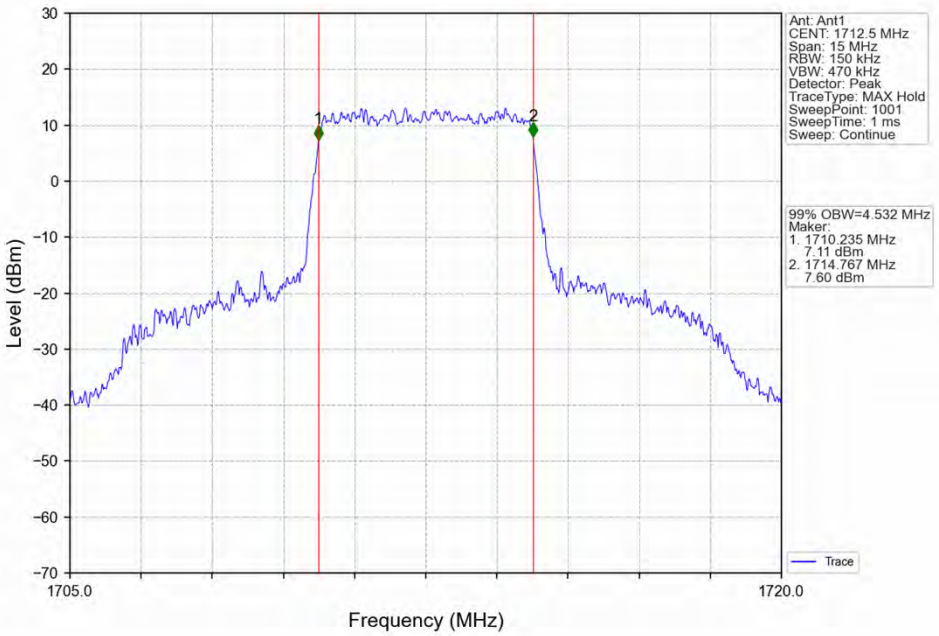
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



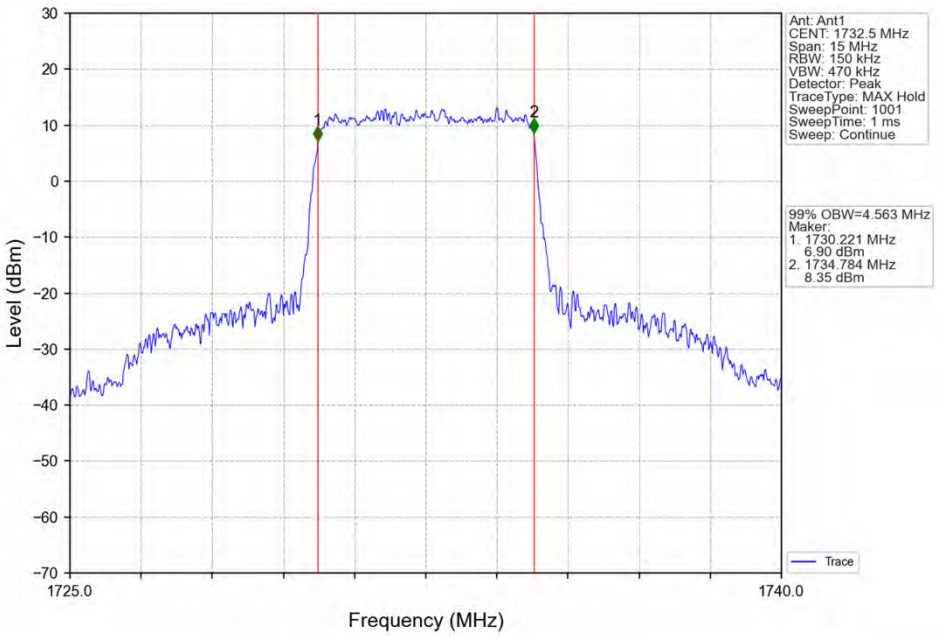
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



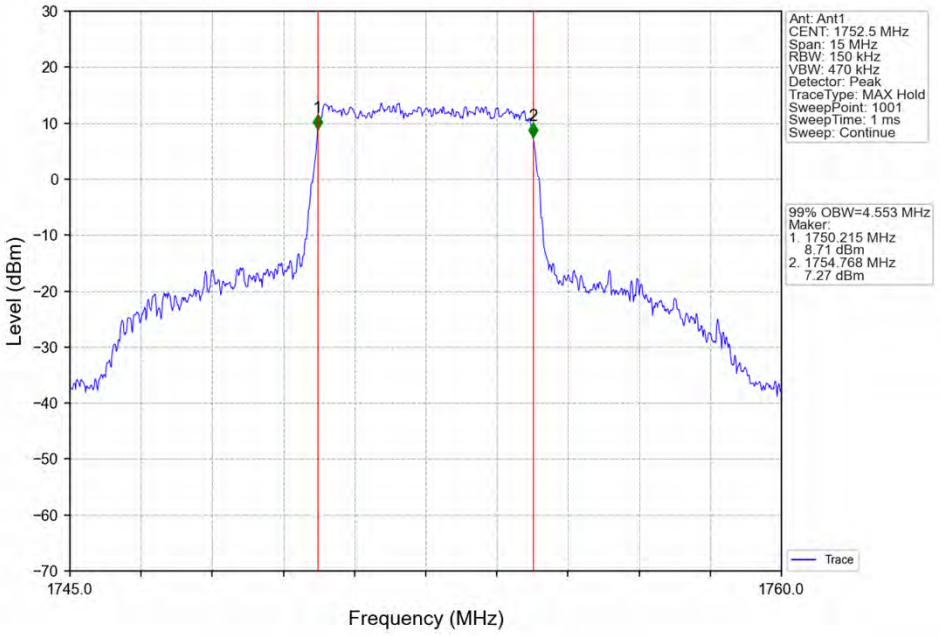
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



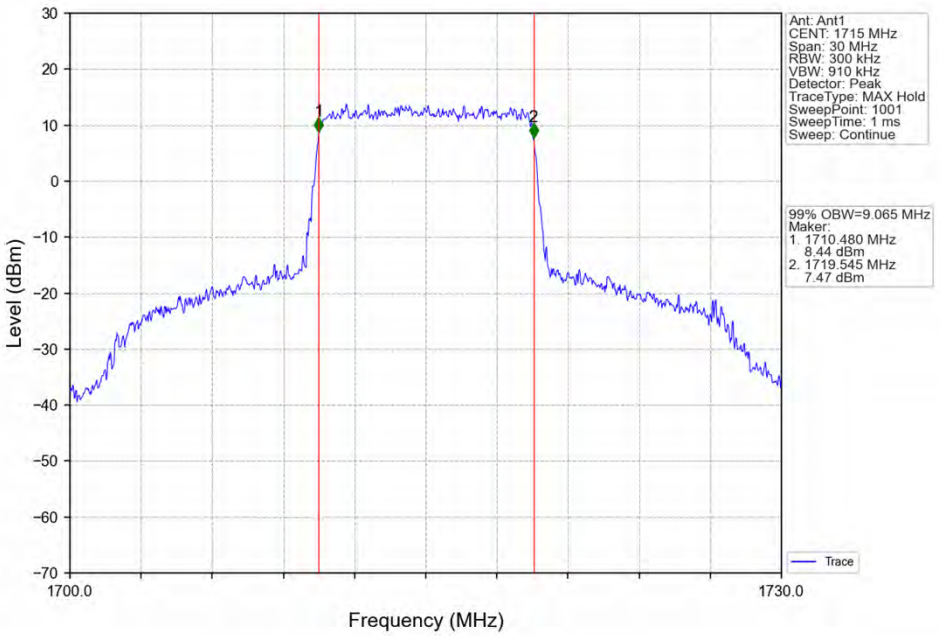
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



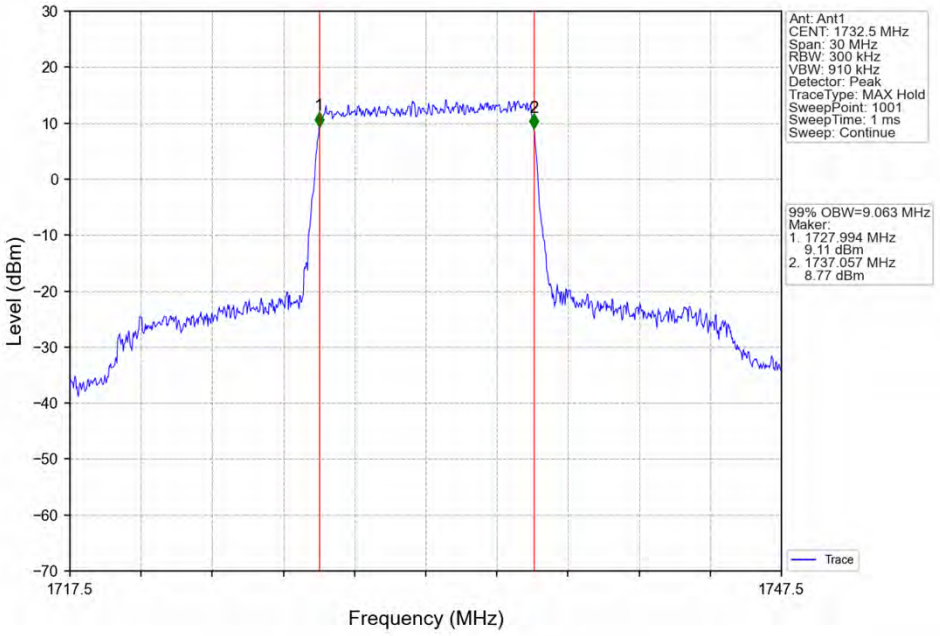
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



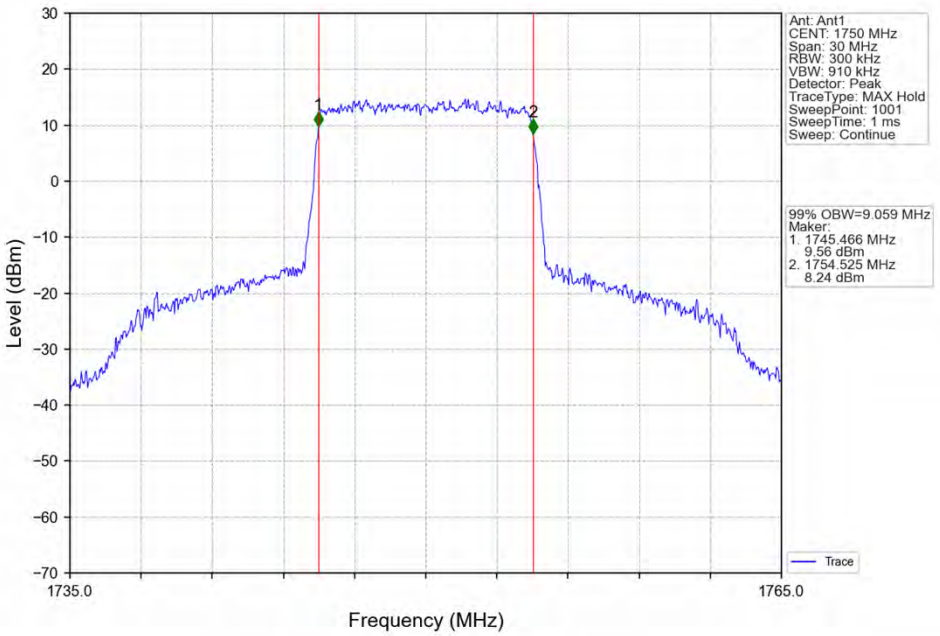
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



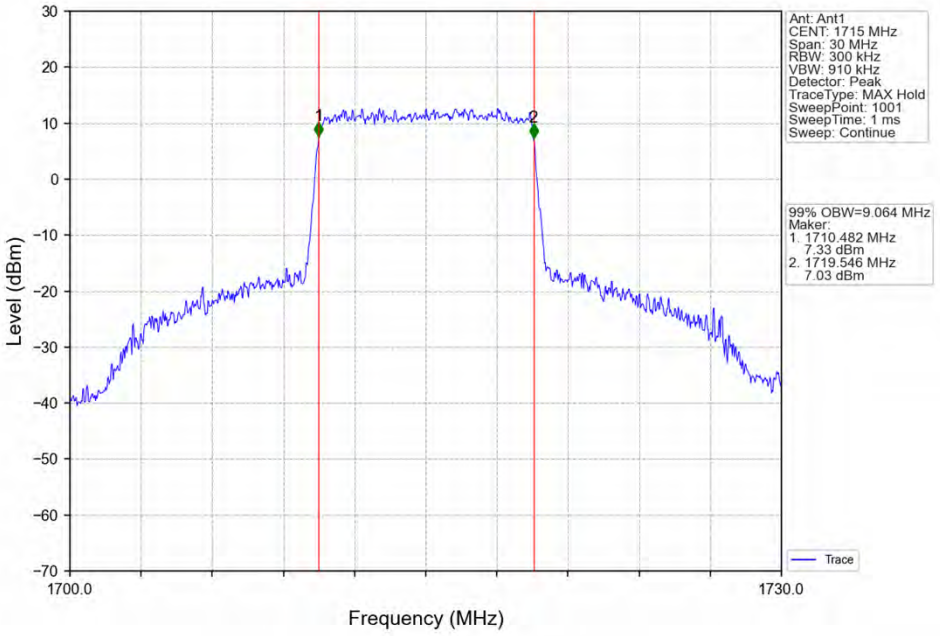
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



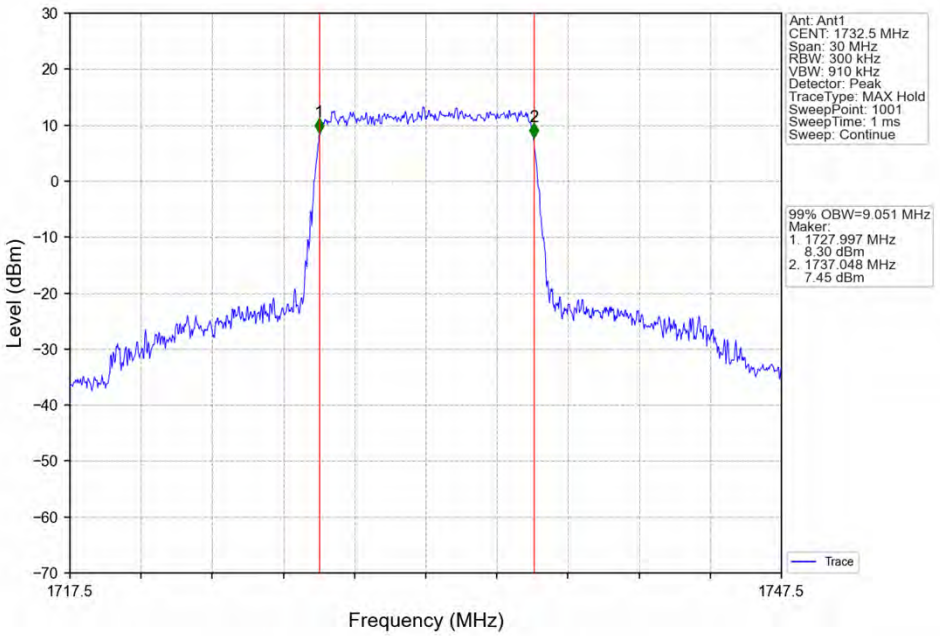
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



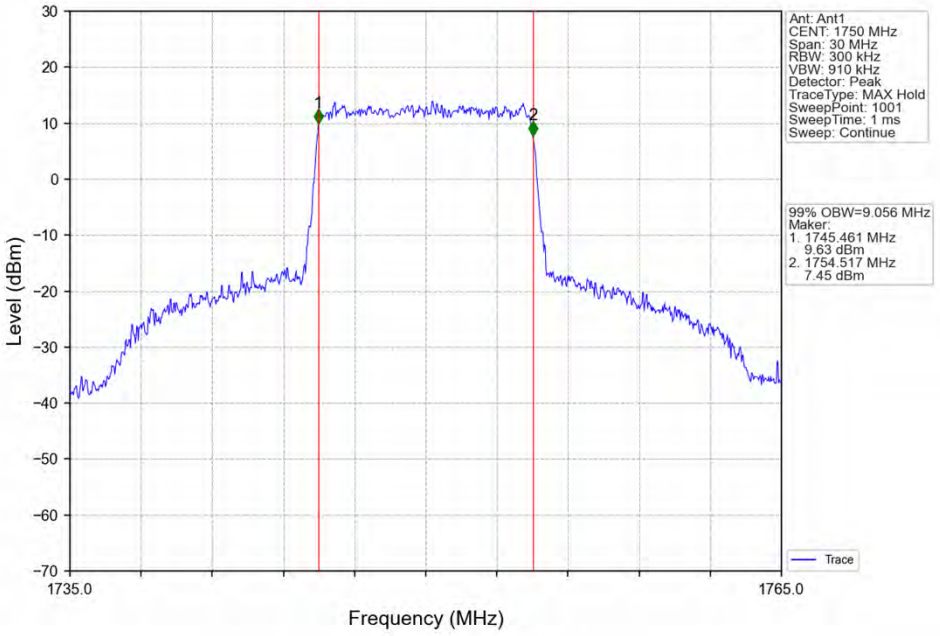
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



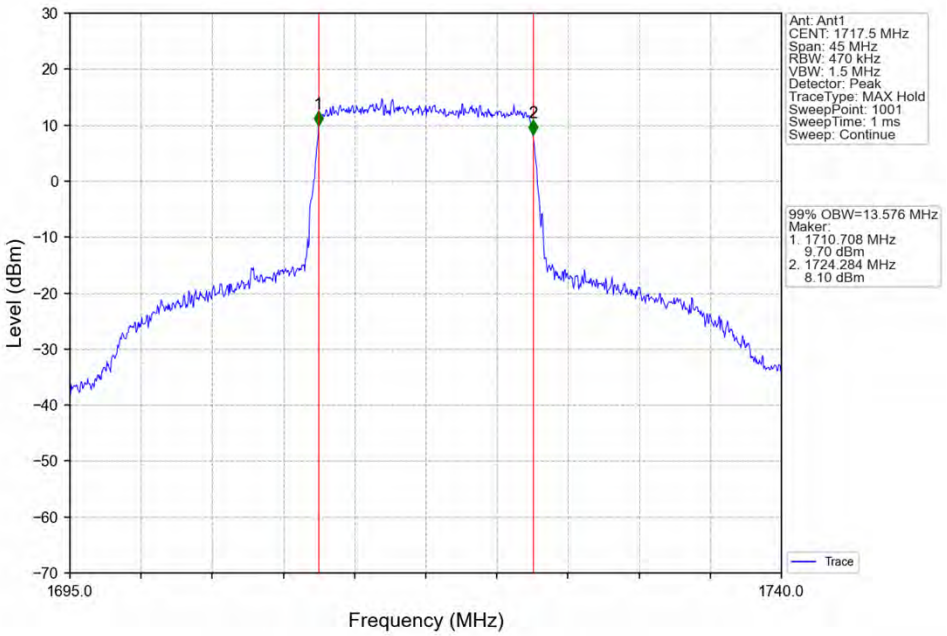
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



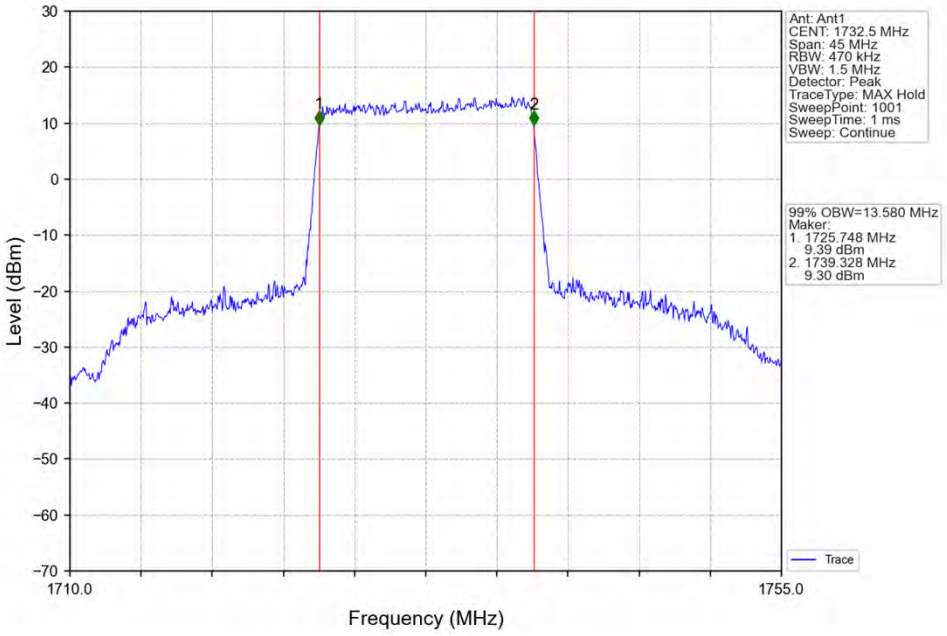
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



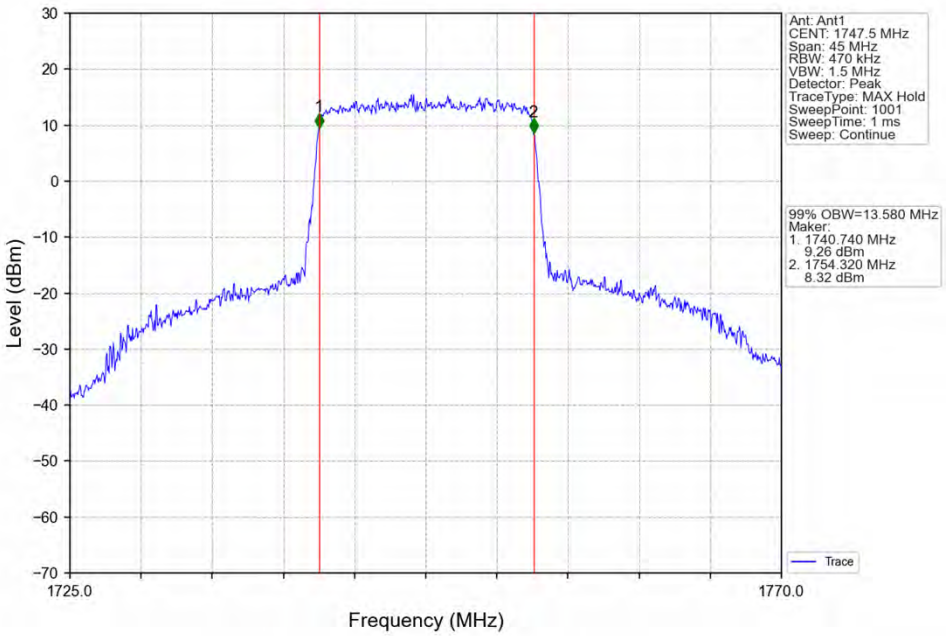
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



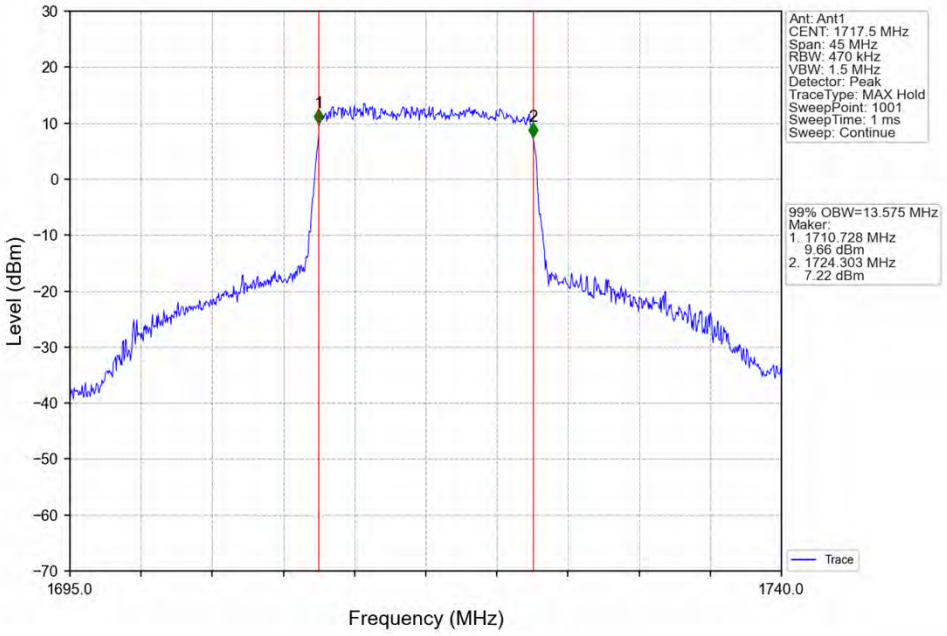
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



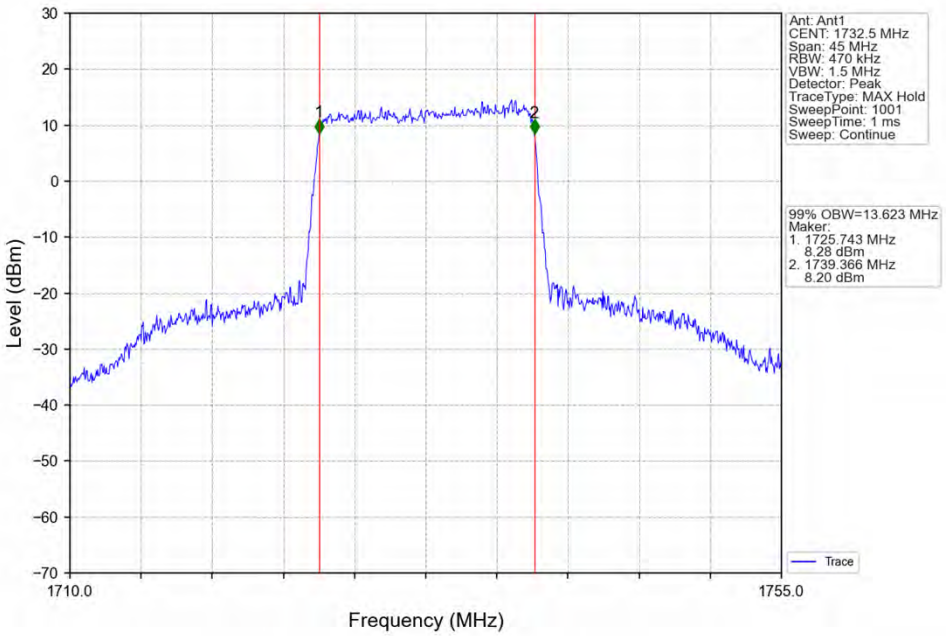
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



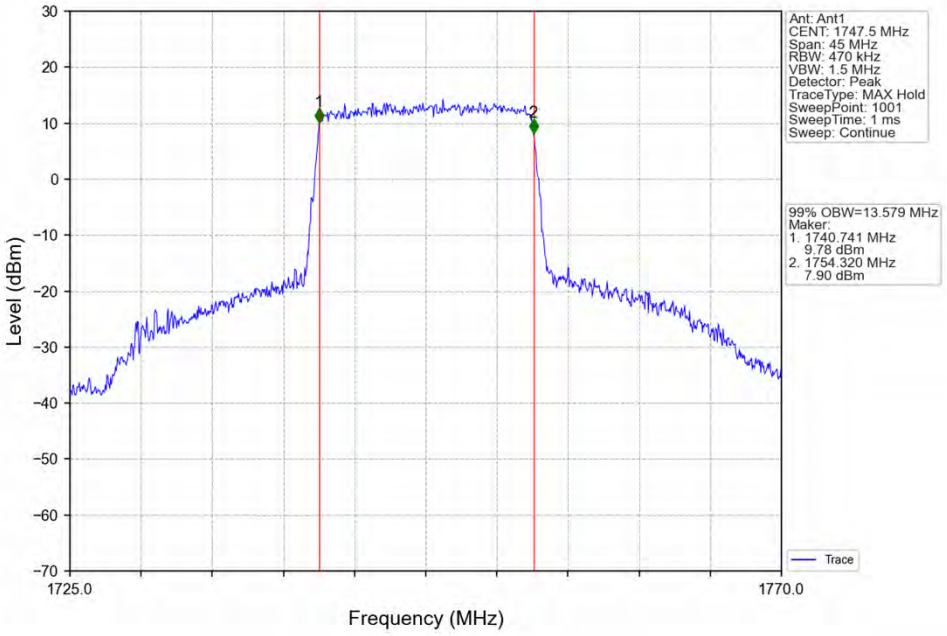
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



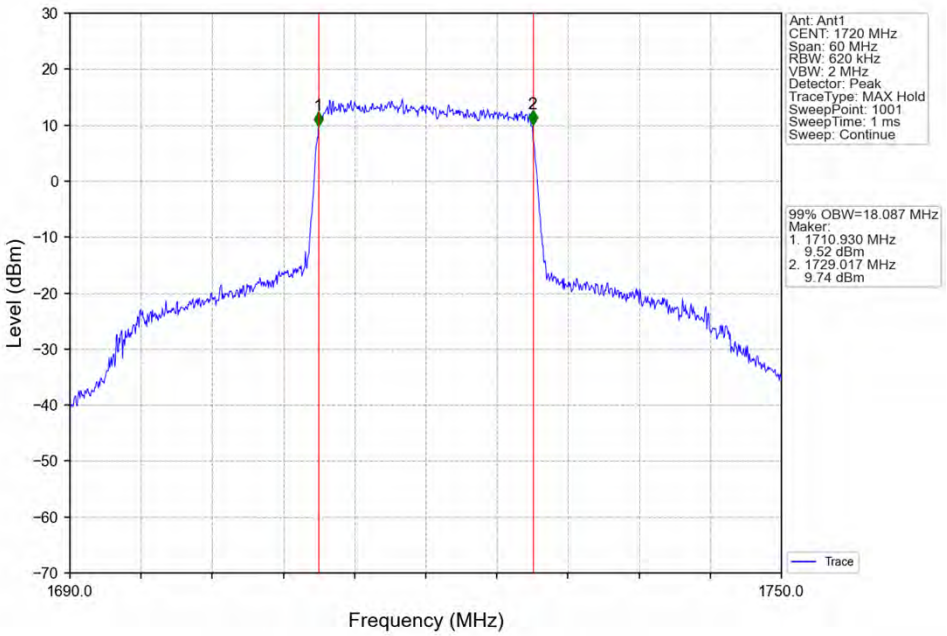
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



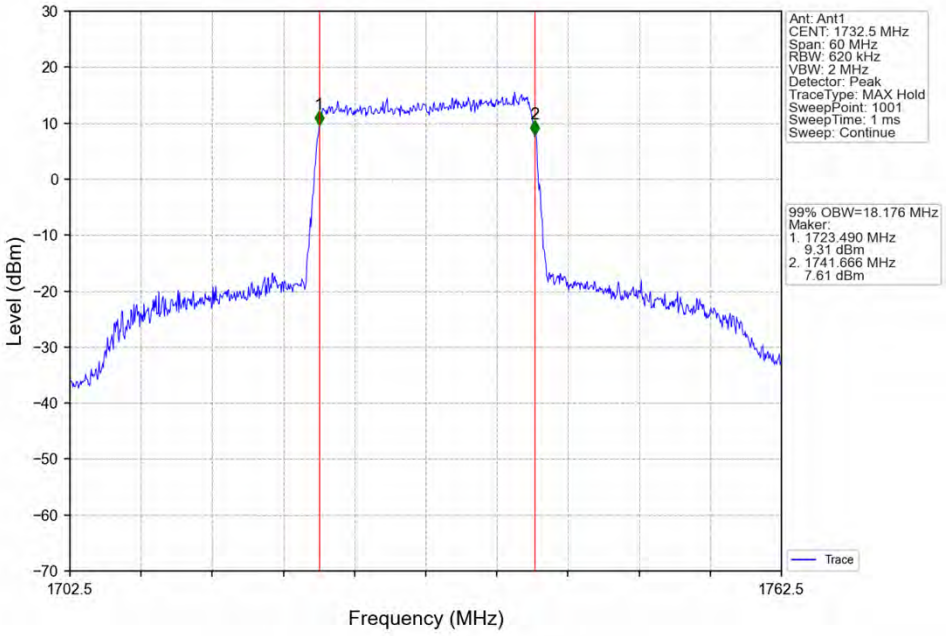
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



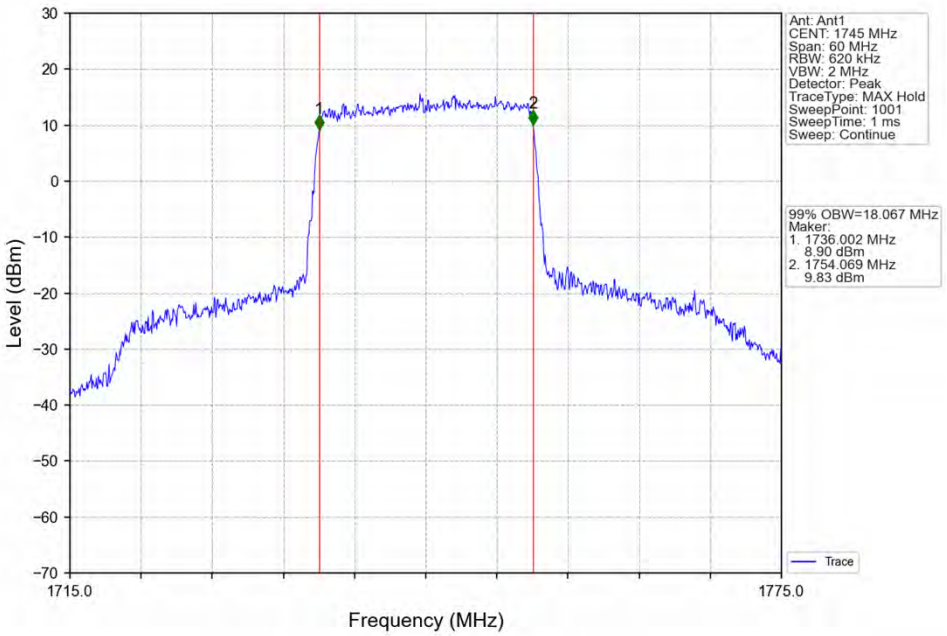
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



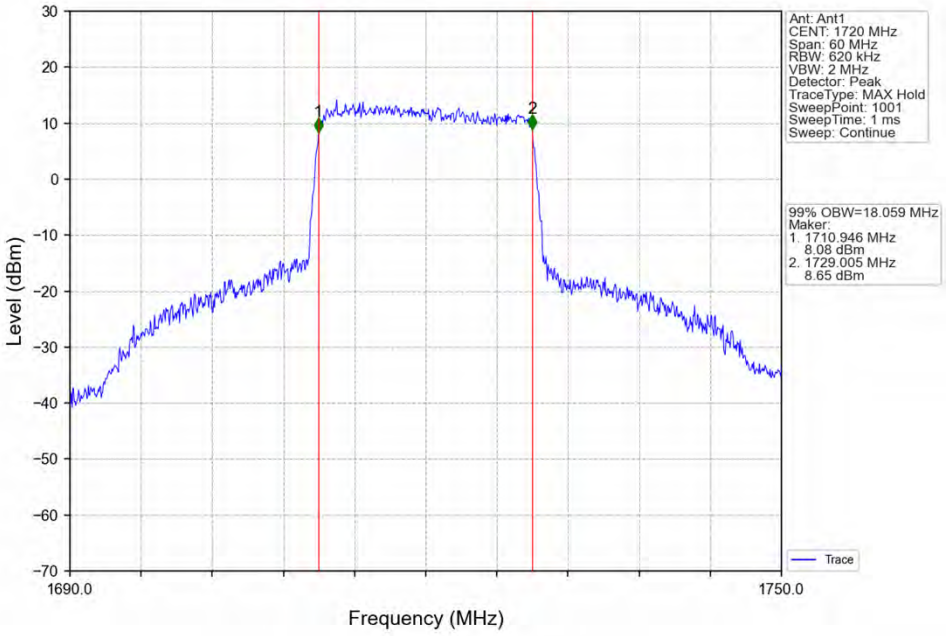
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



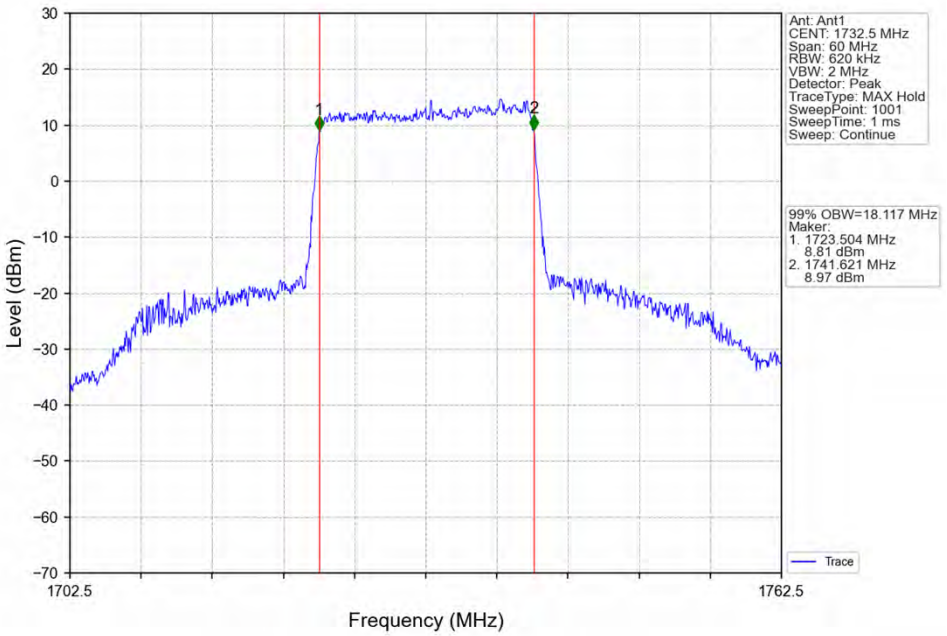
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



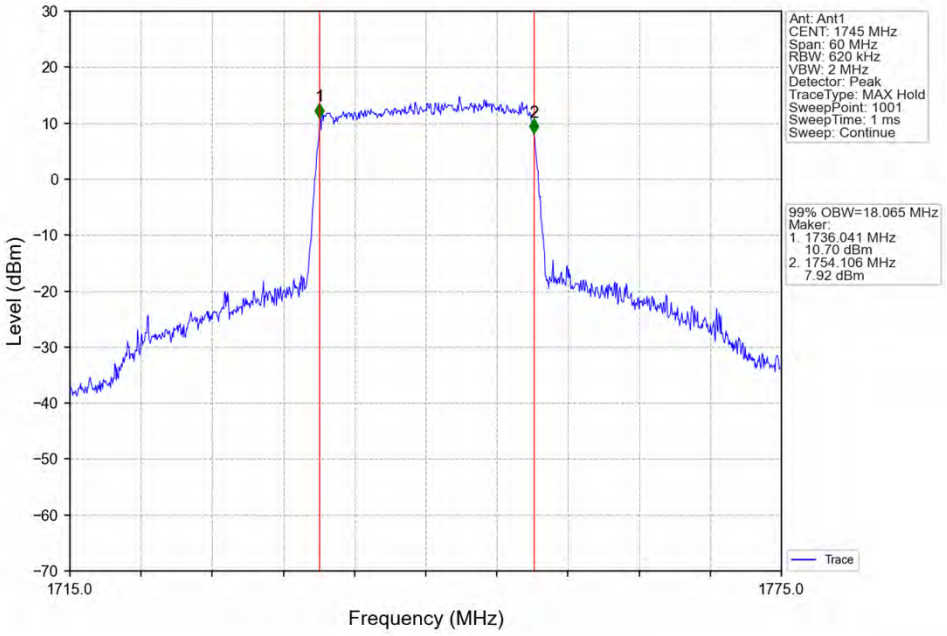
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



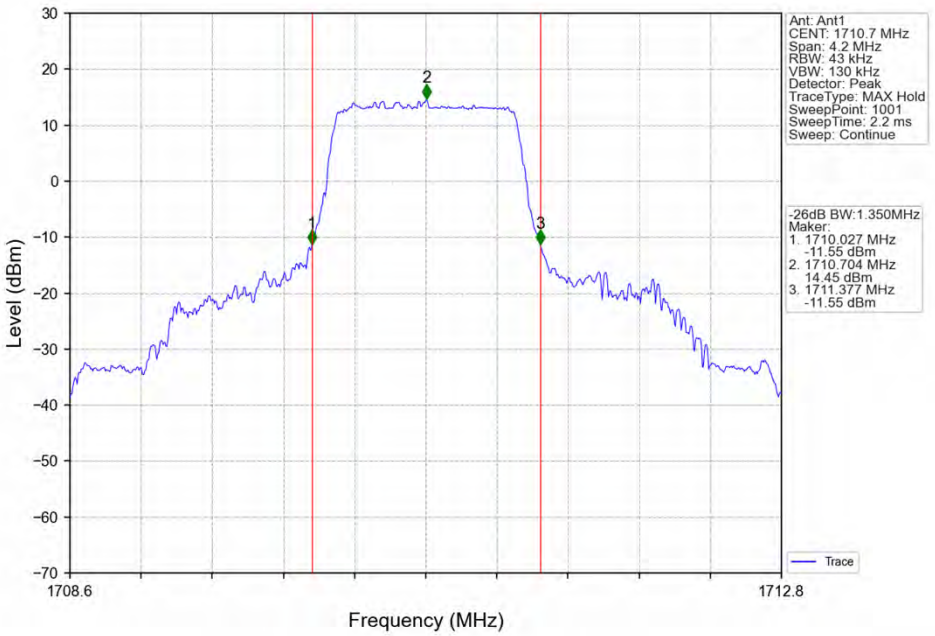
4.2 Band4_XDB

4.2.1 Test Result

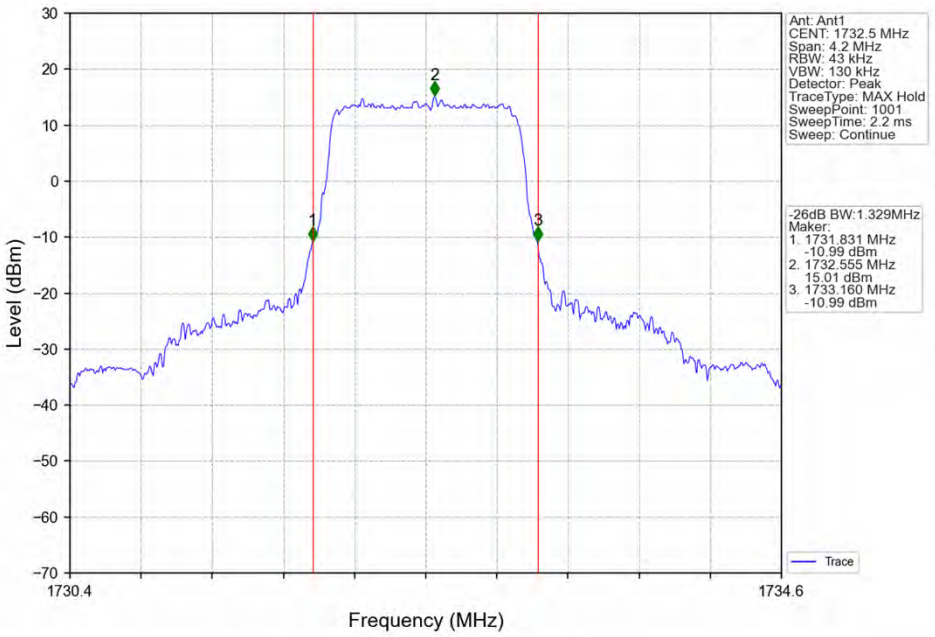
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.350	Pass
		1732.5	6	0	1.329	Pass
		1754.3	6	0	1.335	Pass
	16QAM	1710.7	6	0	1.317	Pass
		1732.5	6	0	1.341	Pass
		1754.3	6	0	1.317	Pass
3	QPSK	1711.5	15	0	3.021	Pass
		1732.5	15	0	3.010	Pass
		1753.5	15	0	3.025	Pass
	16QAM	1711.5	15	0	3.040	Pass
		1732.5	15	0	3.018	Pass
		1753.5	15	0	3.040	Pass
5	QPSK	1712.5	25	0	5.038	Pass
		1732.5	25	0	5.054	Pass
		1752.5	25	0	5.056	Pass
	16QAM	1712.5	25	0	5.065	Pass
		1732.5	25	0	5.051	Pass
		1752.5	25	0	5.064	Pass
10	QPSK	1715	50	0	10.136	Pass
		1732.5	50	0	9.979	Pass
		1750	50	0	10.014	Pass
	16QAM	1715	50	0	9.951	Pass
		1732.5	50	0	10.039	Pass
		1750	50	0	10.052	Pass
15	QPSK	1717.5	75	0	14.958	Pass
		1732.5	75	0	14.890	Pass
		1747.5	75	0	14.877	Pass
	16QAM	1717.5	75	0	14.917	Pass
		1732.5	75	0	14.923	Pass
		1747.5	75	0	14.897	Pass
20	QPSK	1720	100	0	19.646	Pass
		1732.5	100	0	19.699	Pass
		1745	100	0	19.854	Pass
	16QAM	1720	100	0	19.629	Pass
		1732.5	100	0	19.717	Pass
		1745	100	0	19.643	Pass

4.2.2 Test Graph

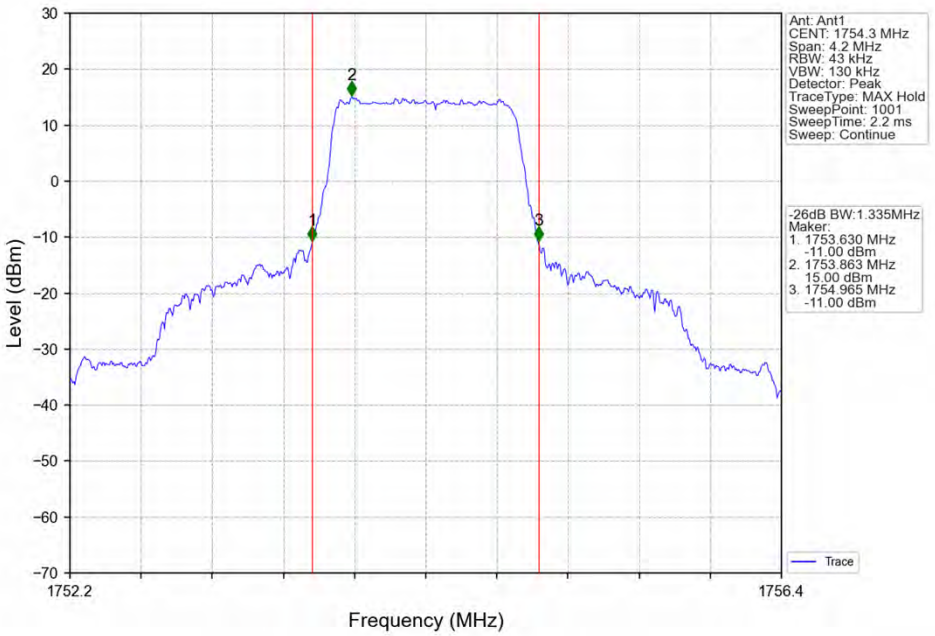
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



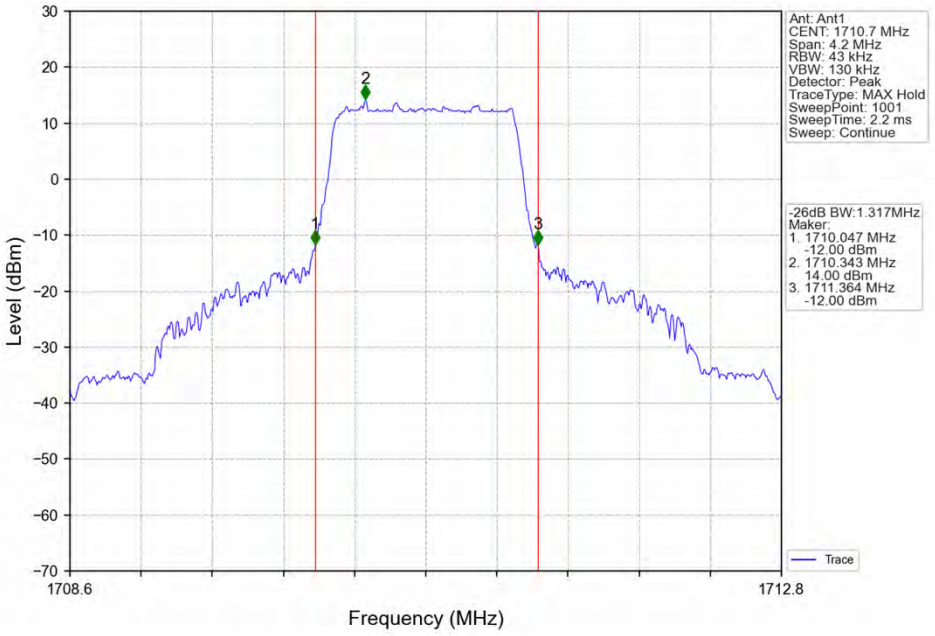
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



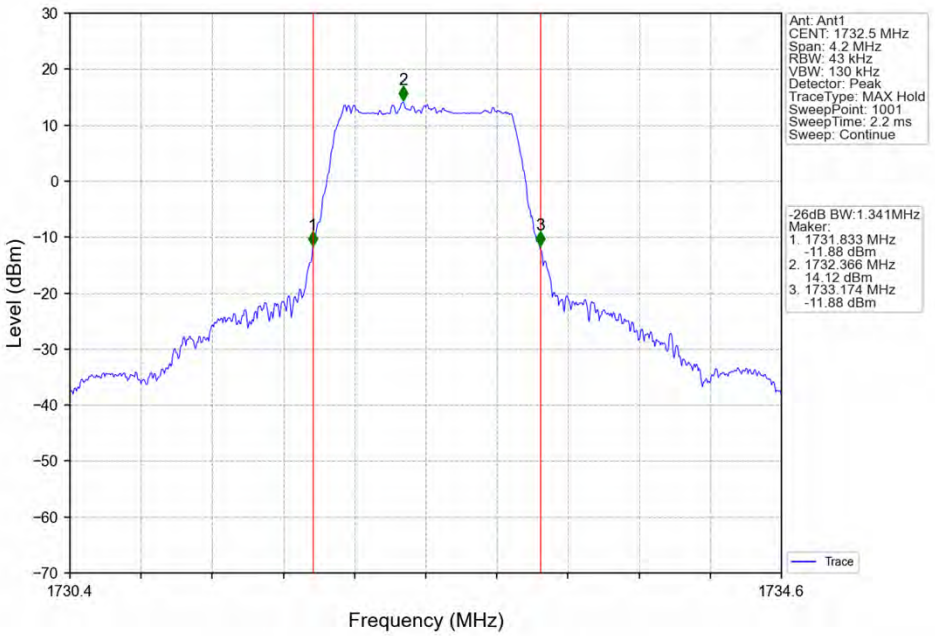
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



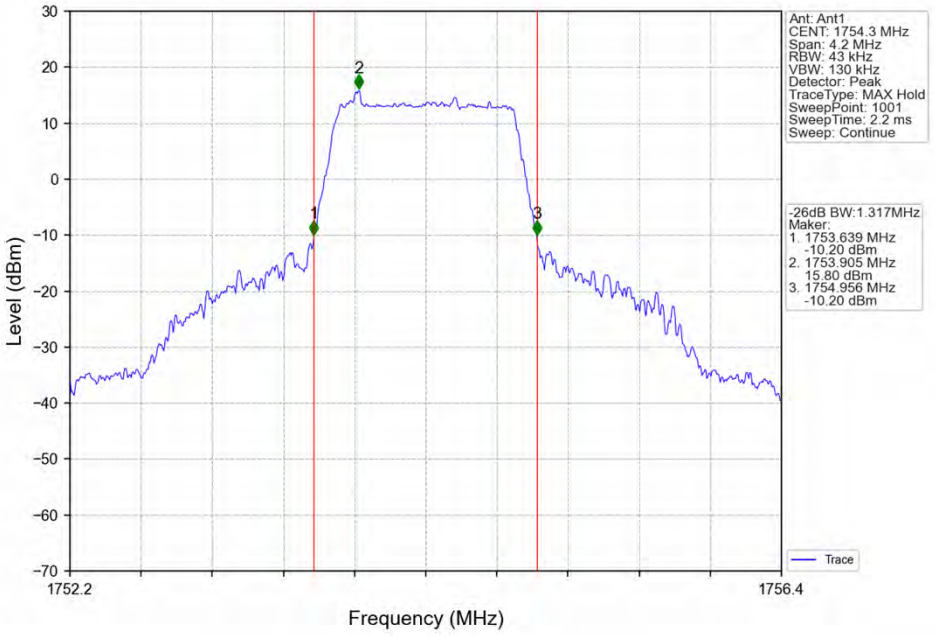
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



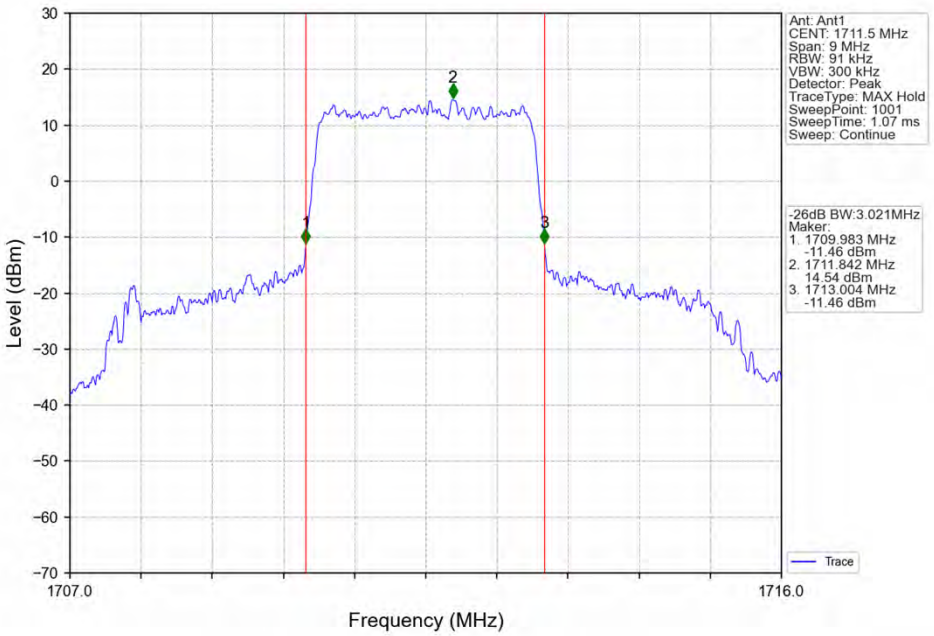
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



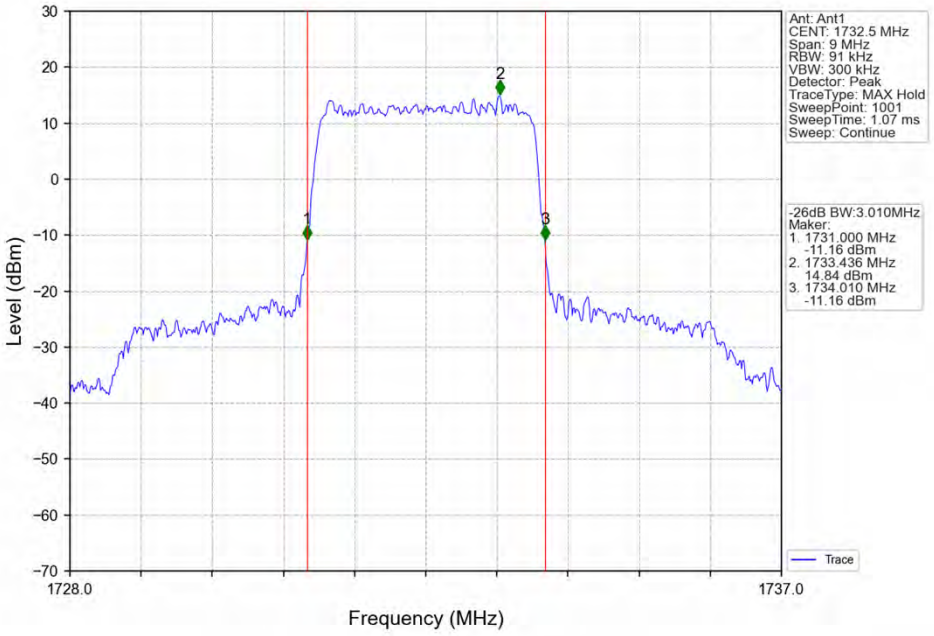
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



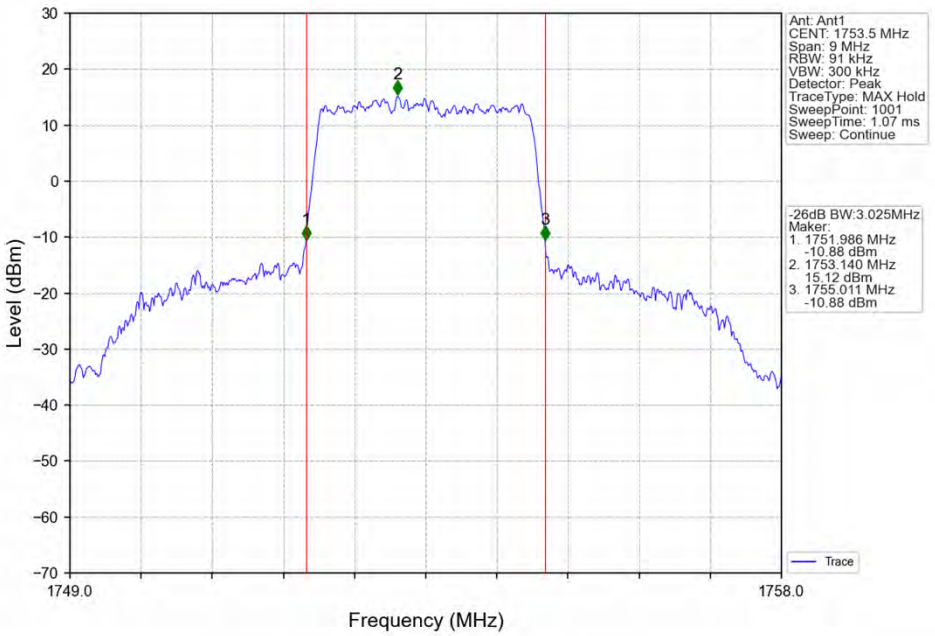
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



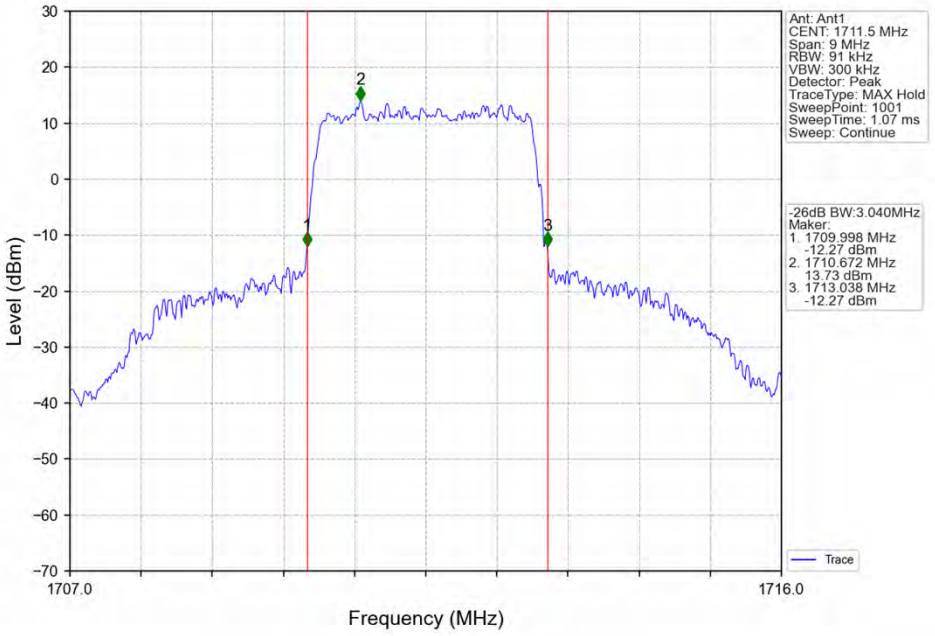
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



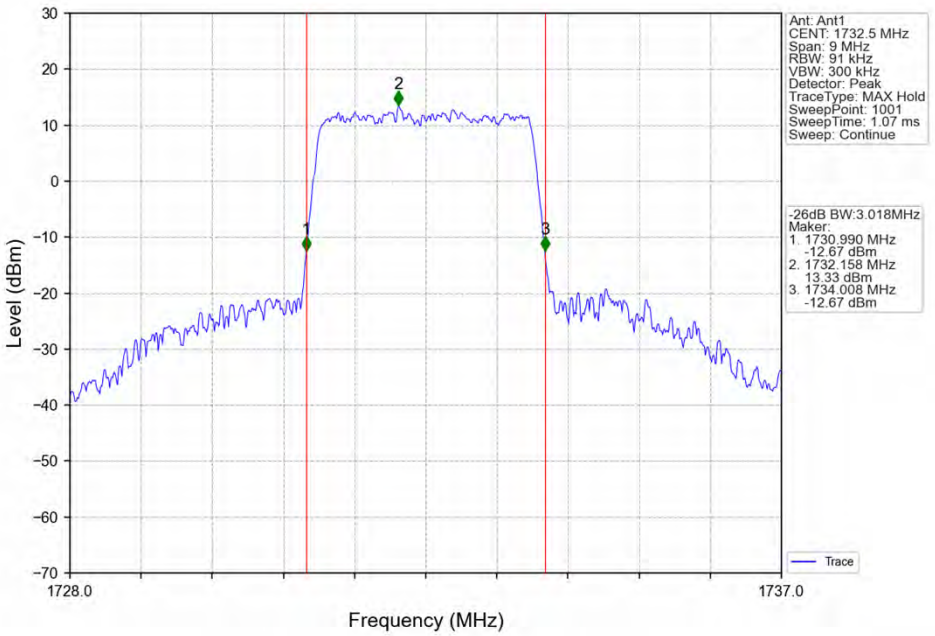
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



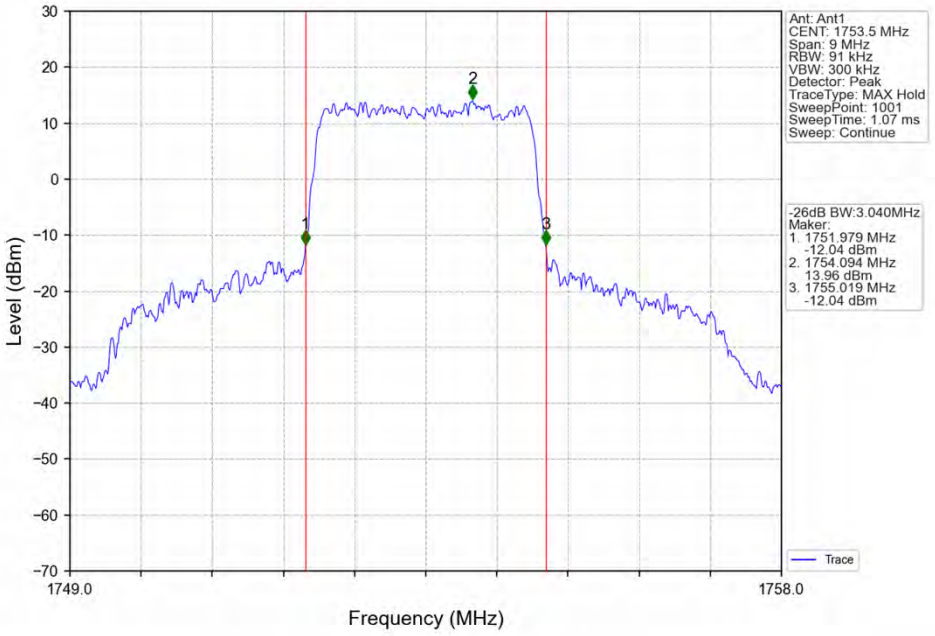
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



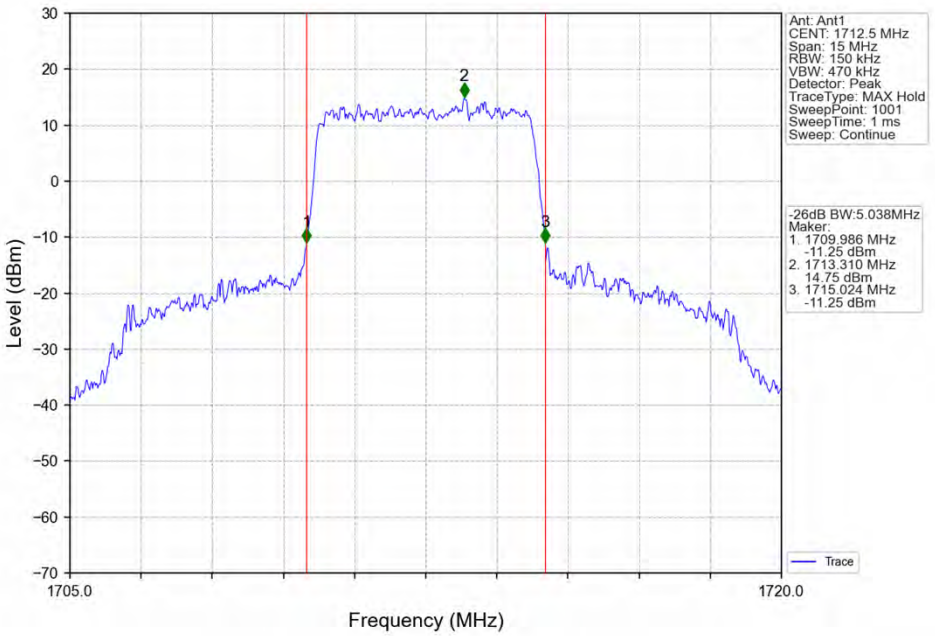
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



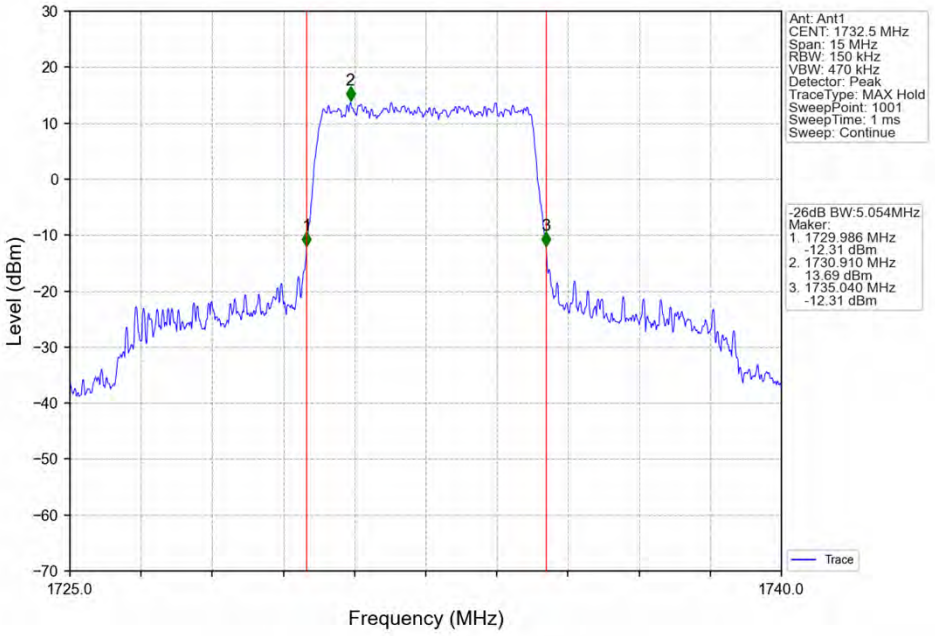
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



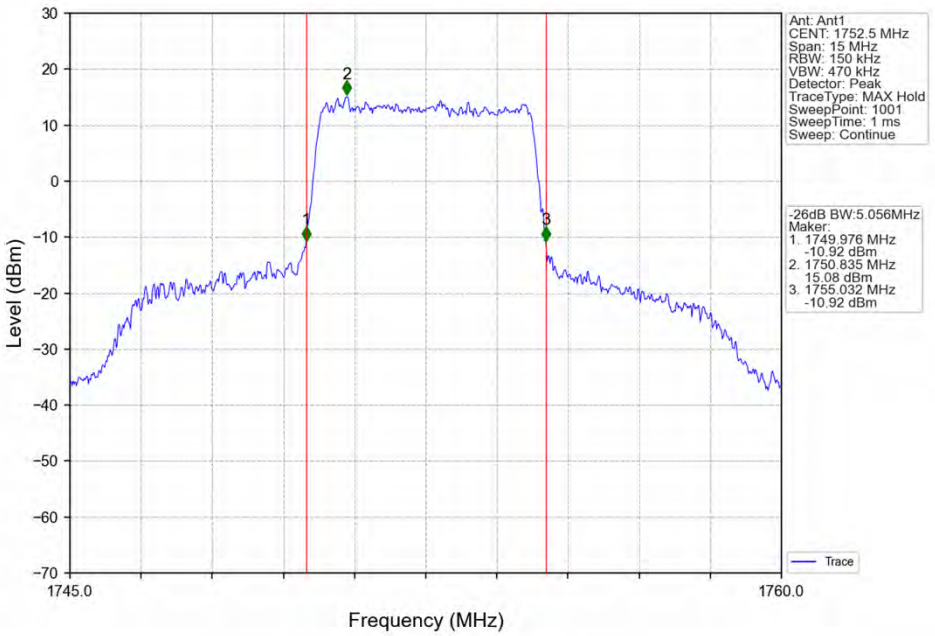
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



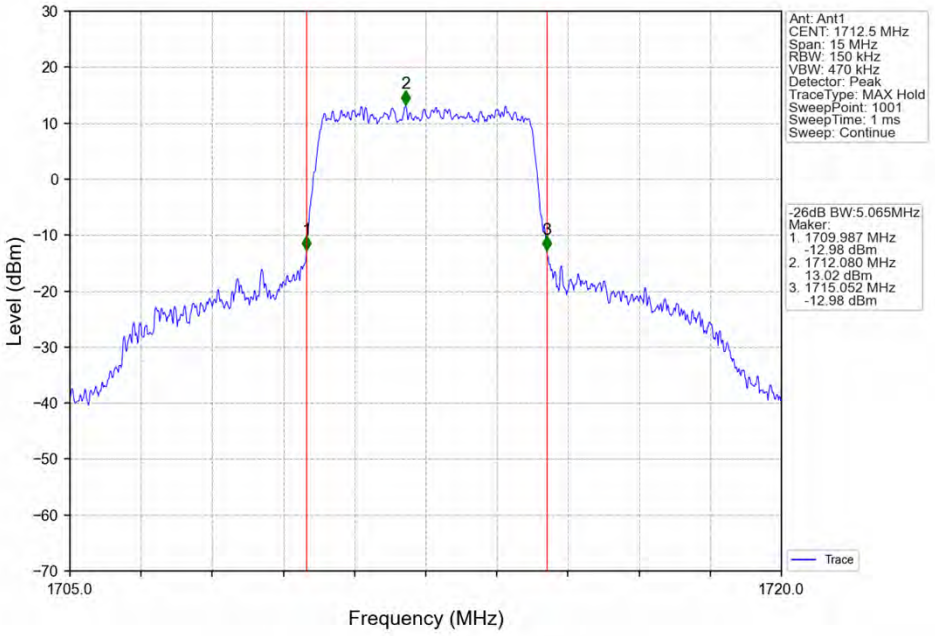
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



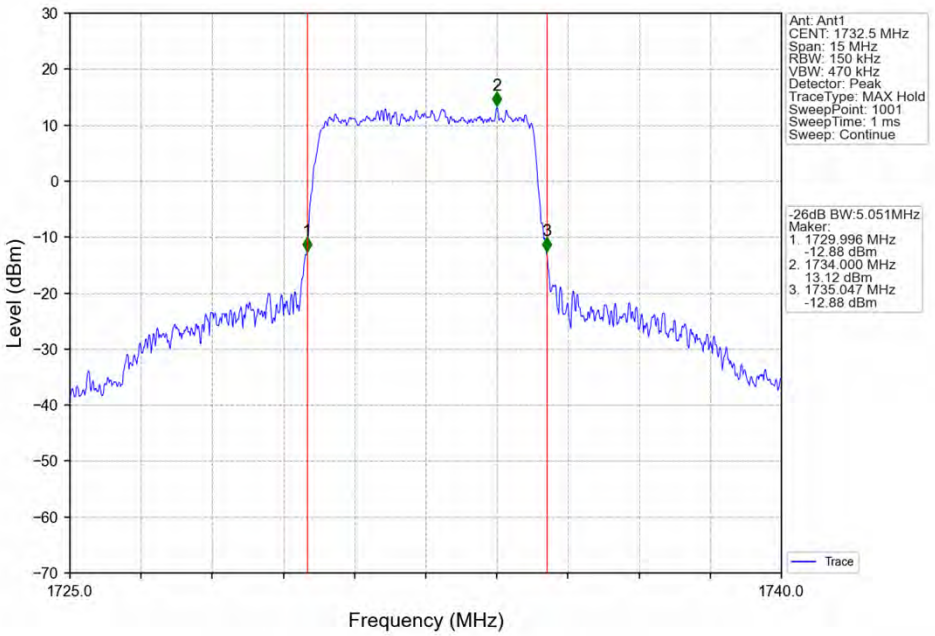
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



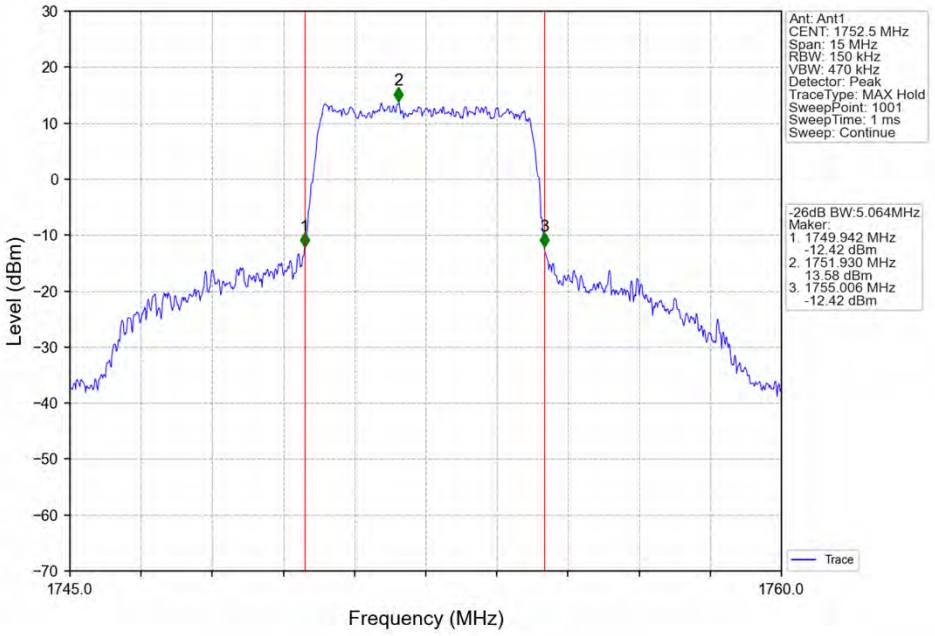
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



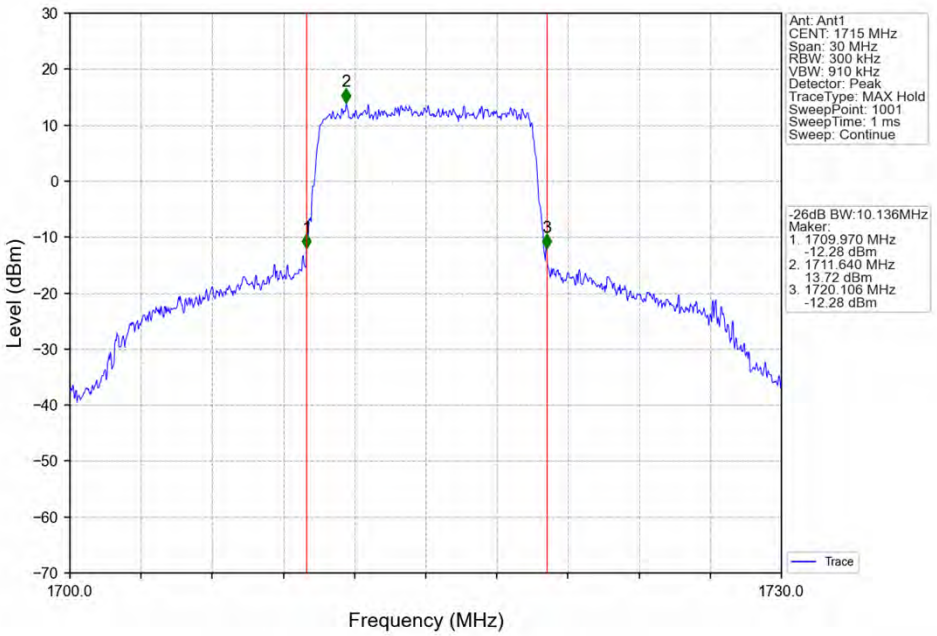
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



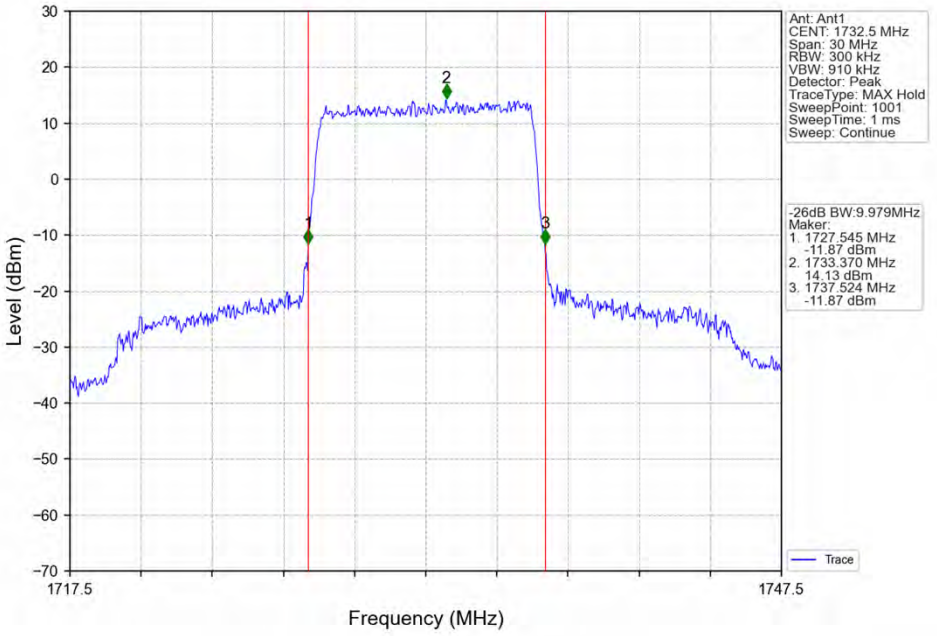
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



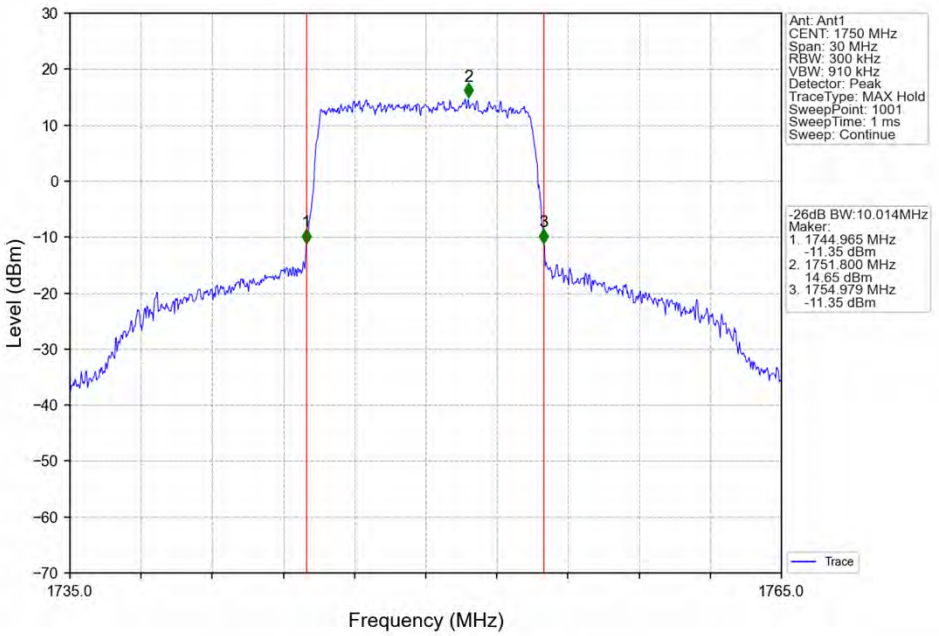
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



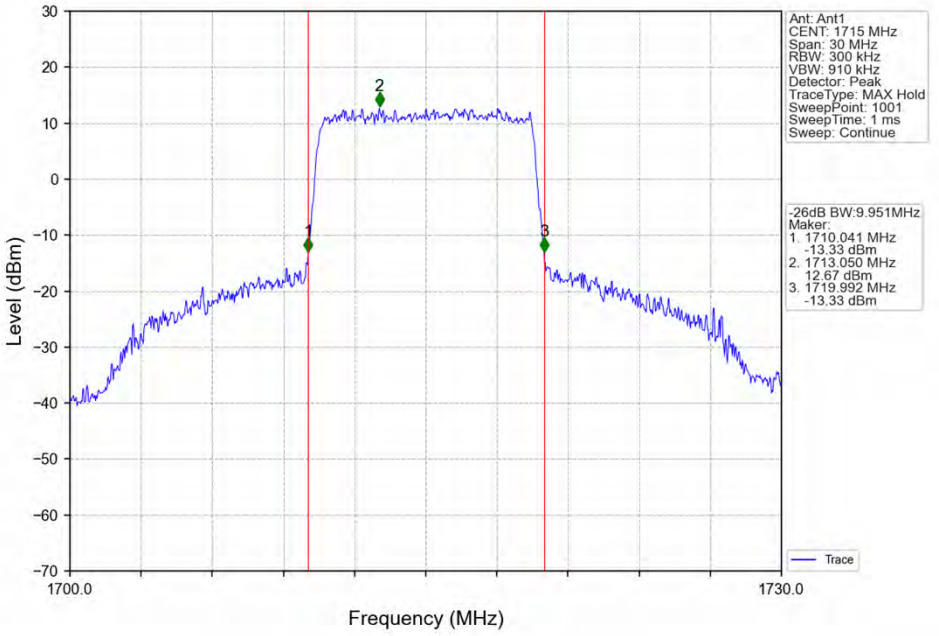
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



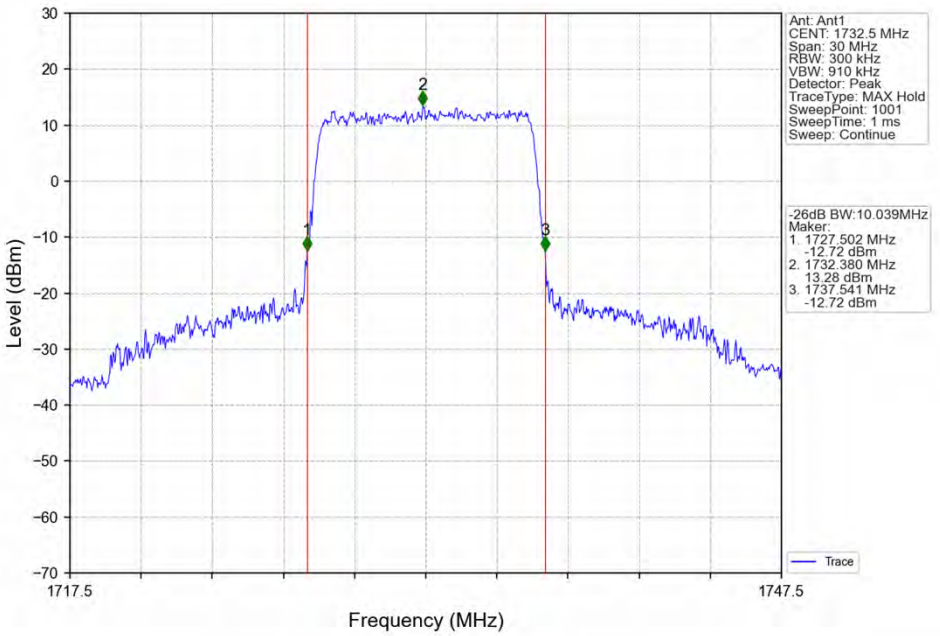
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



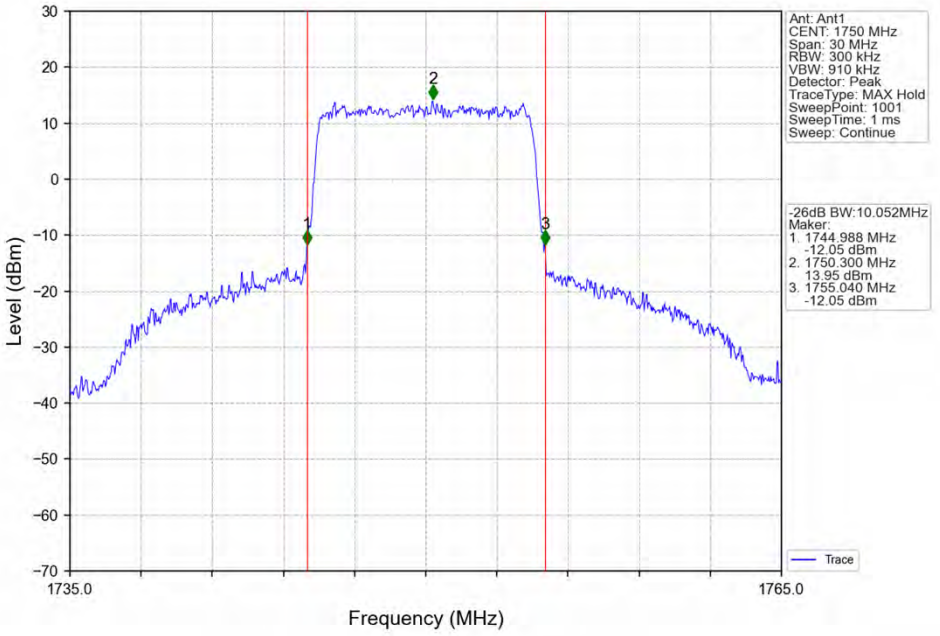
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



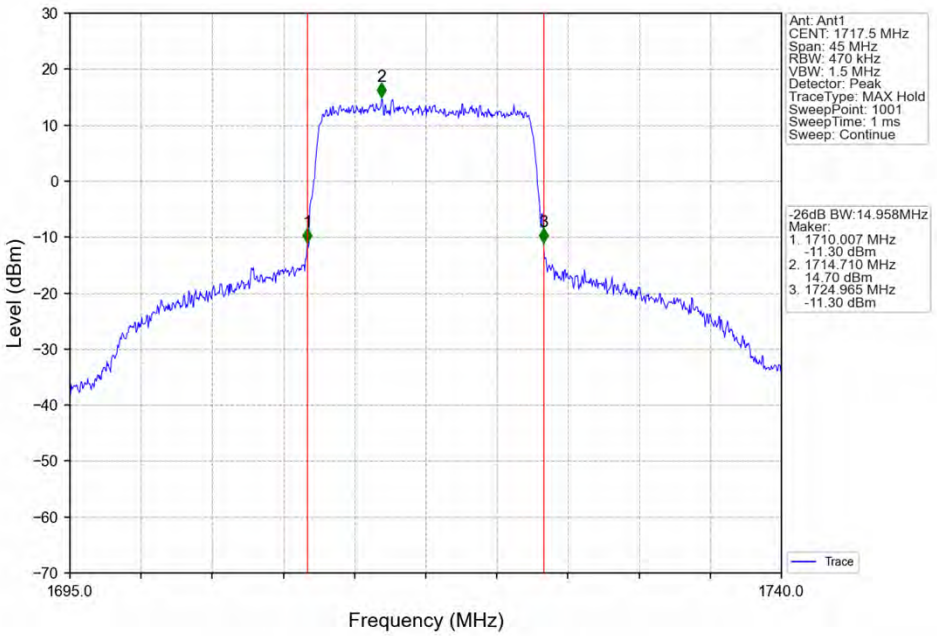
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



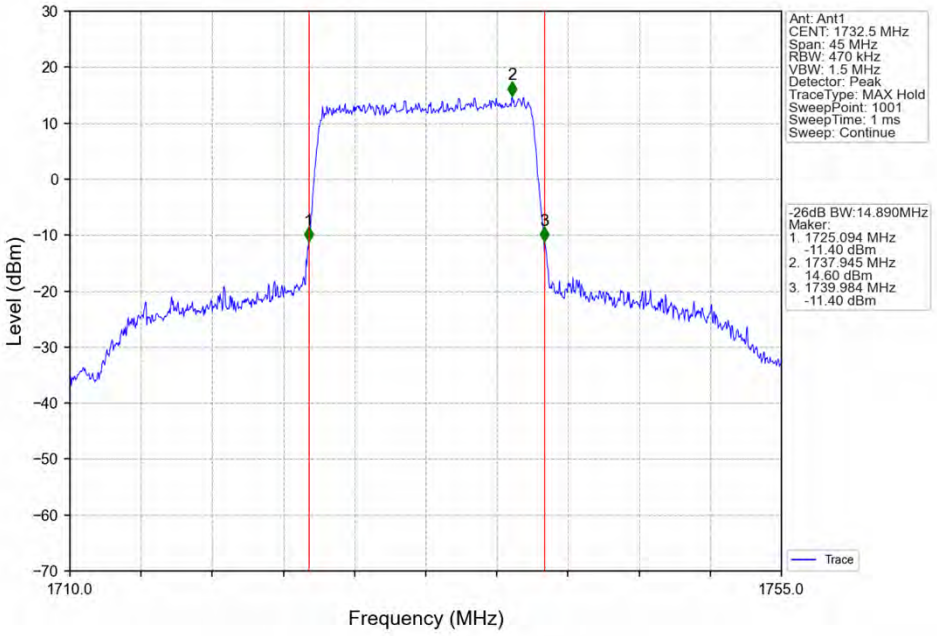
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



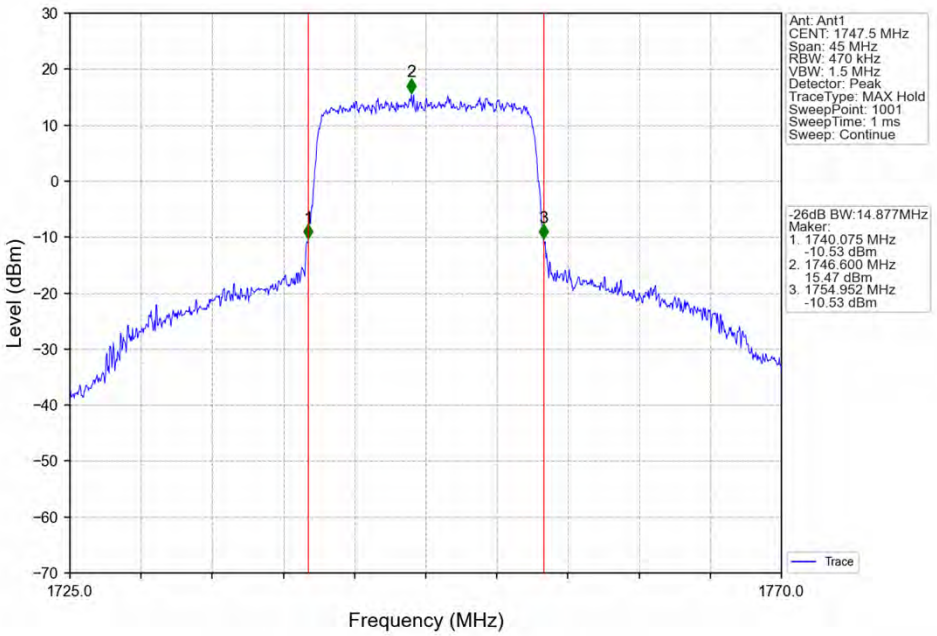
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



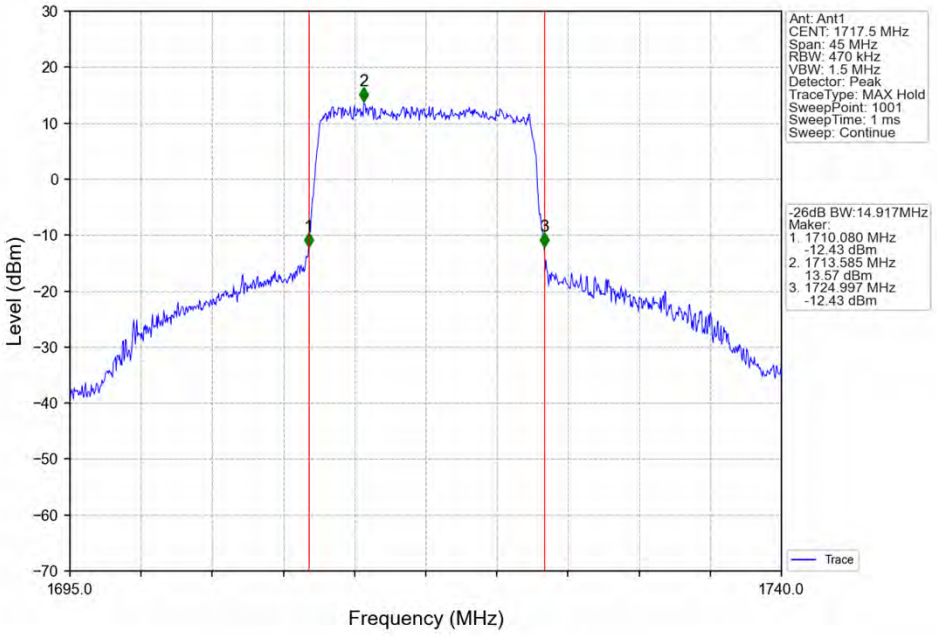
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



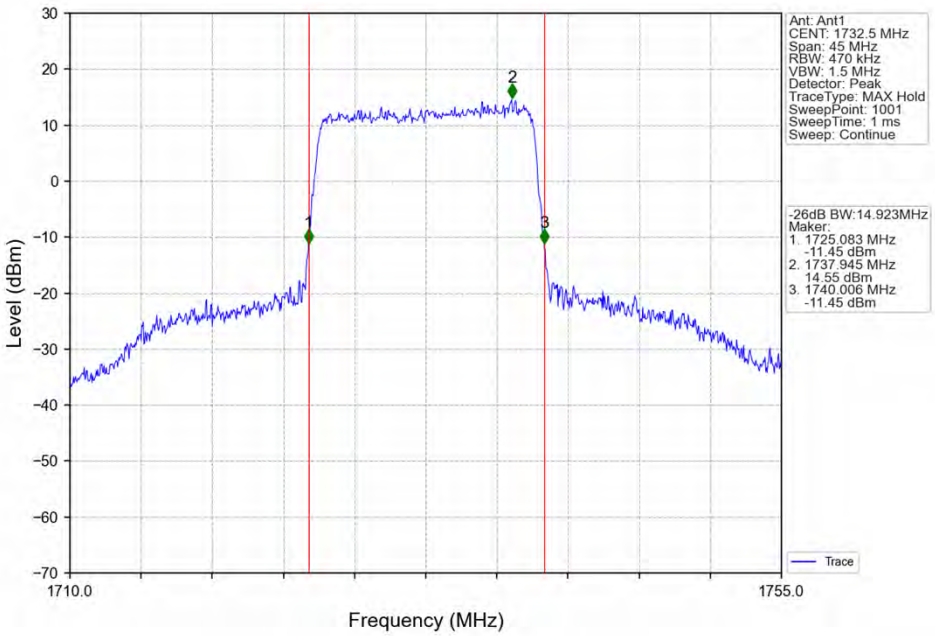
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



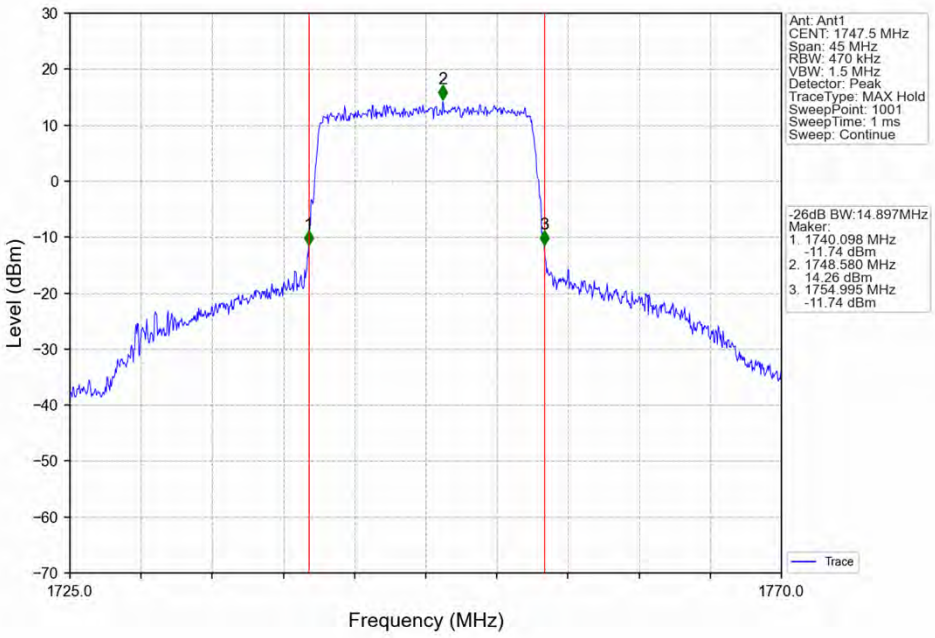
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



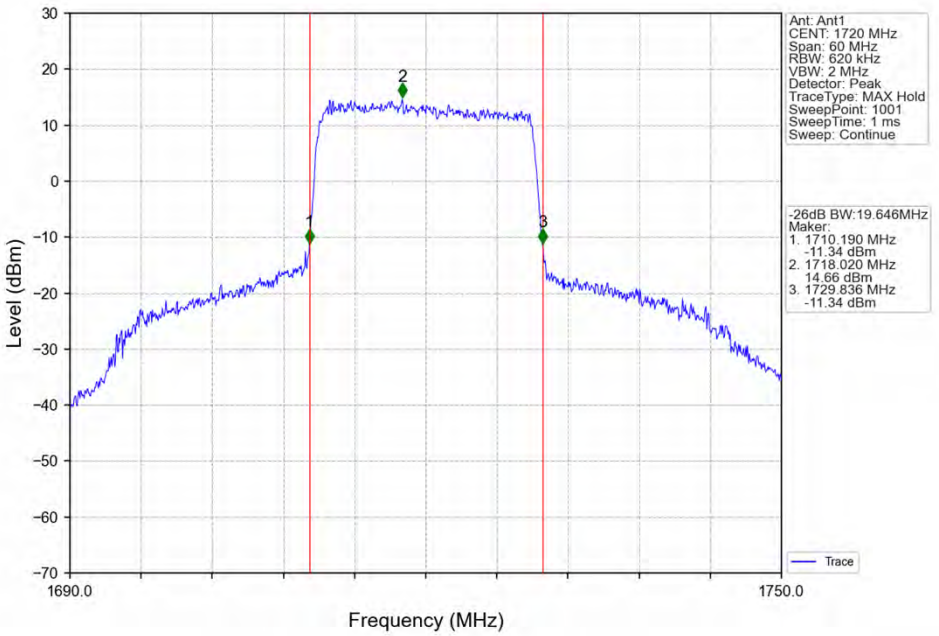
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



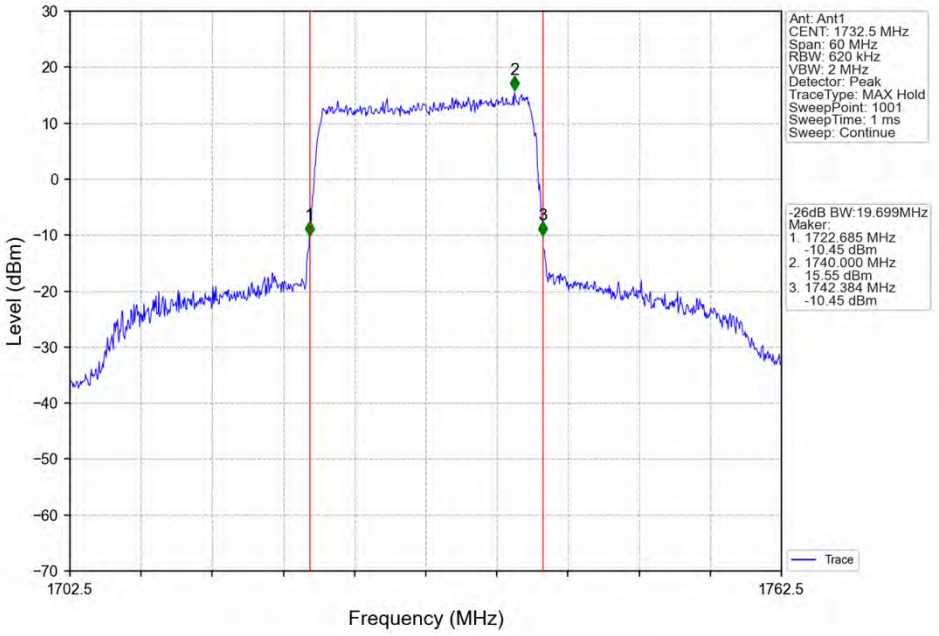
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



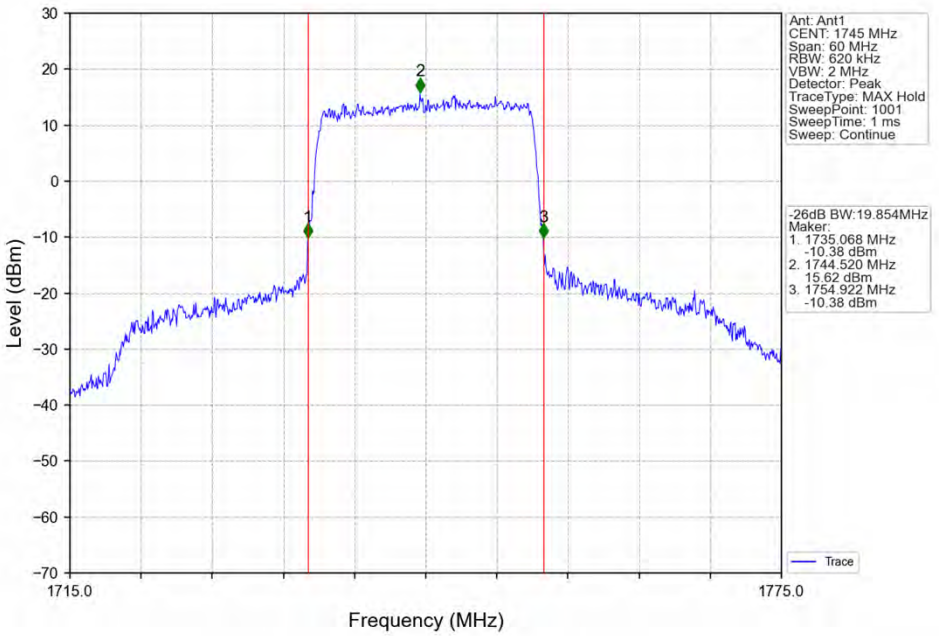
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



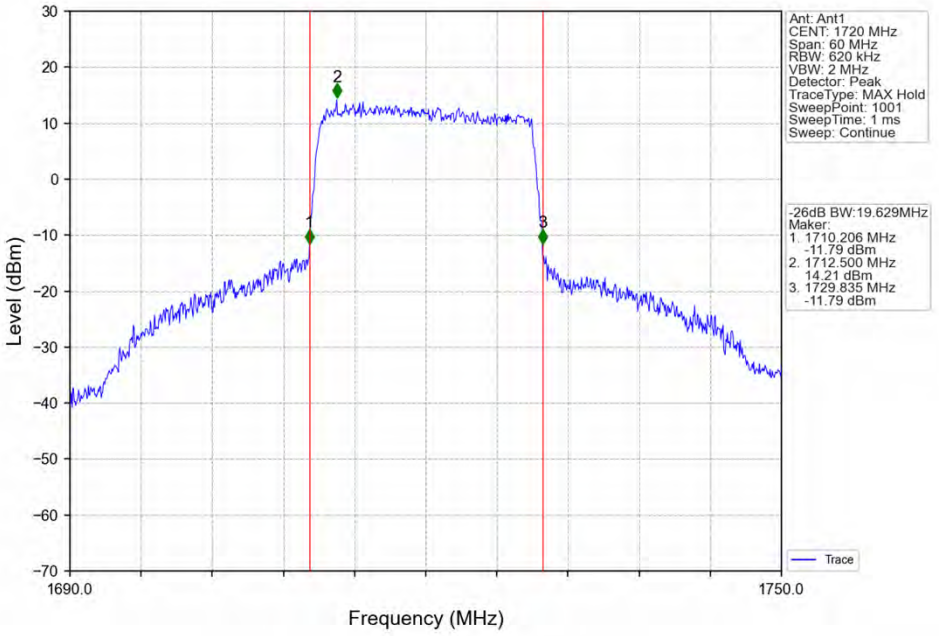
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



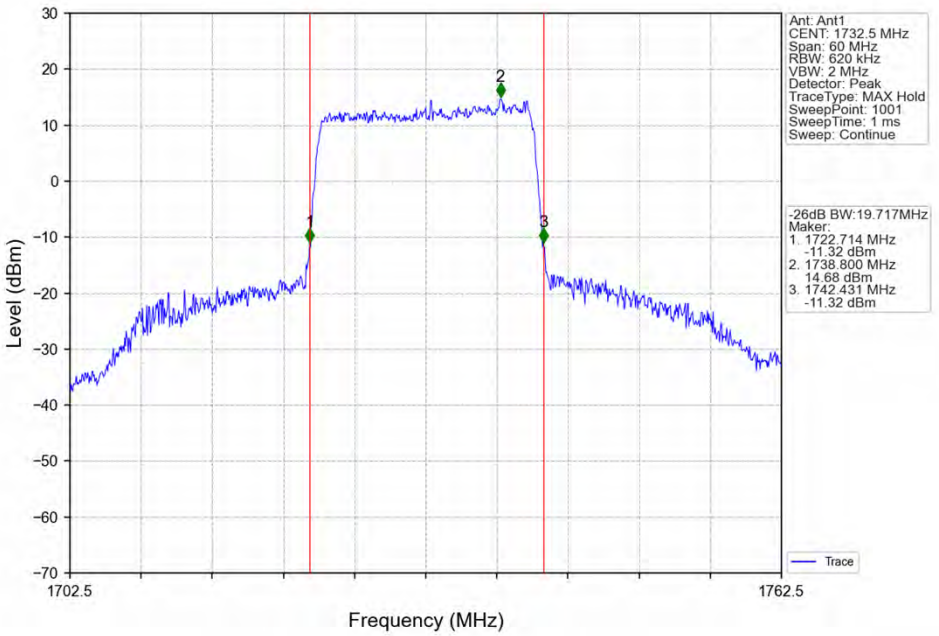
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



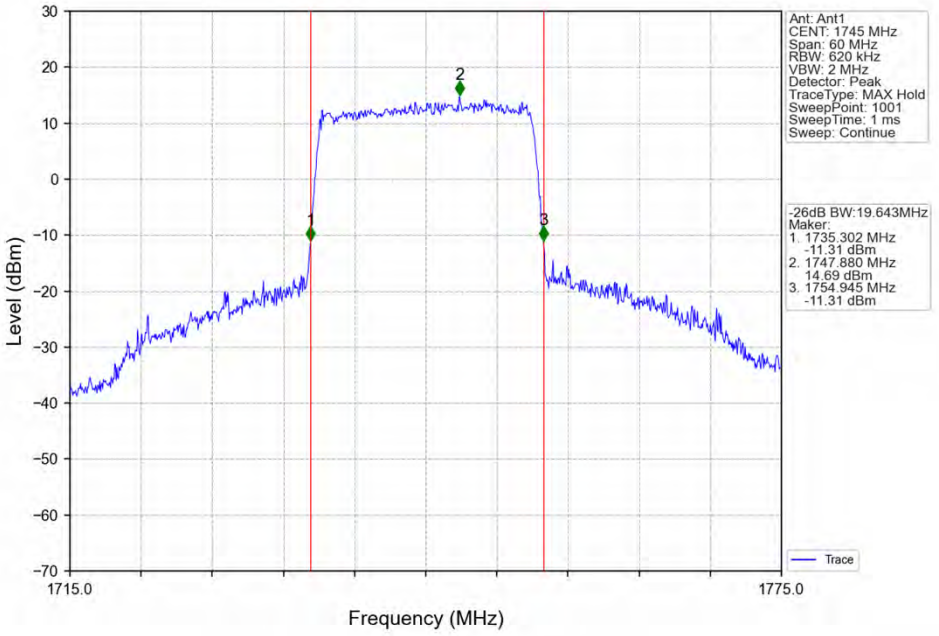
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Peak-Average Ratio

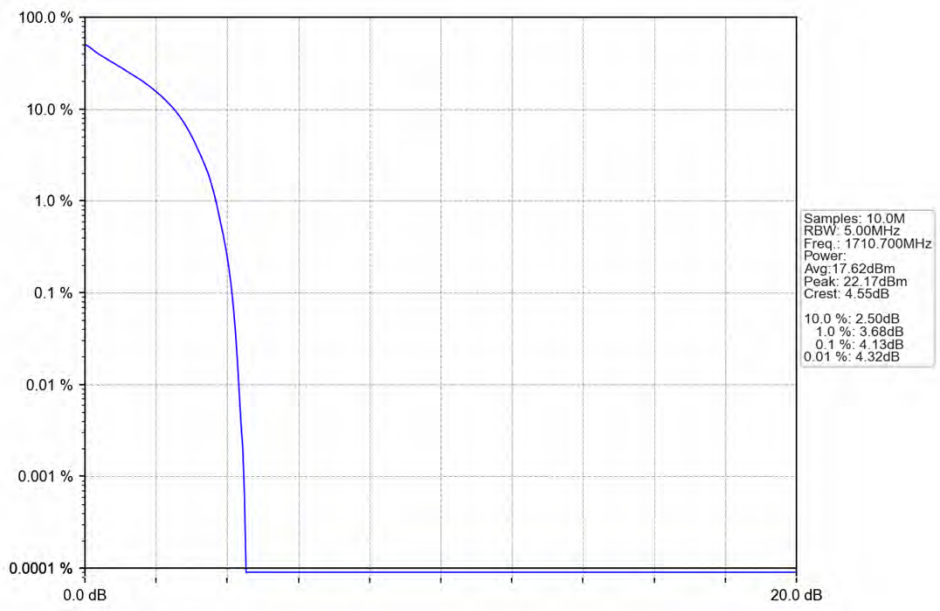
5.1 B4_1.4MHz

5.1.1 Test Result

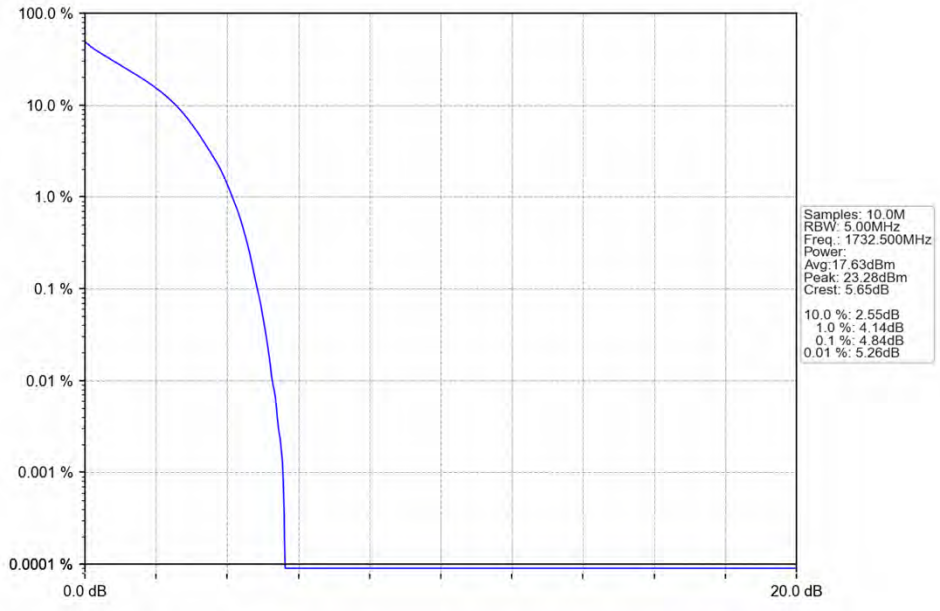
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.13	<=13	Pass
	1732.5	6	0	4.84	<=13	Pass
	1754.3	6	0	3.92	<=13	Pass
16QAM	1710.7	6	0	4.95	<=13	Pass
	1732.5	6	0	5.61	<=13	Pass
	1754.3	6	0	4.77	<=13	Pass

5.1.2 Test Graph

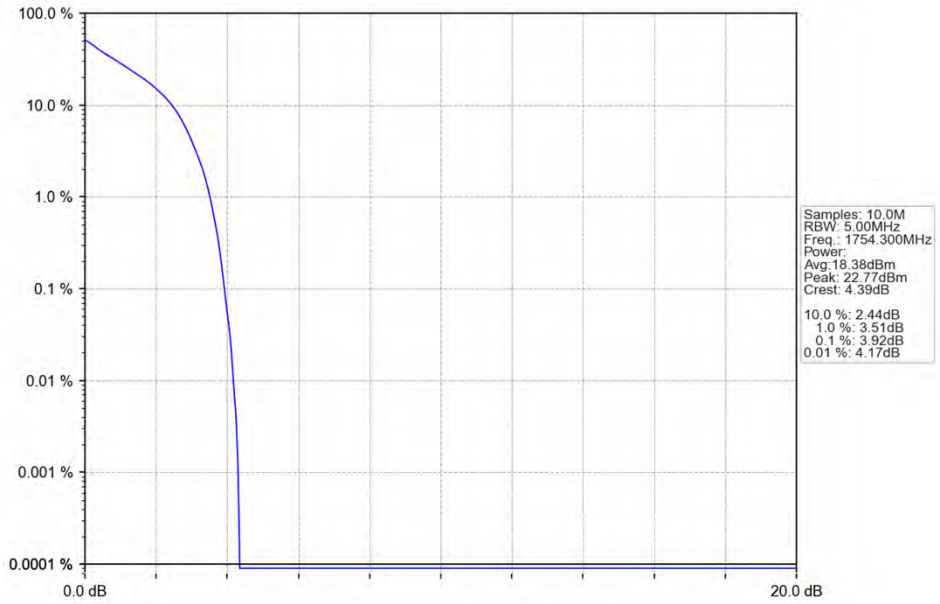
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



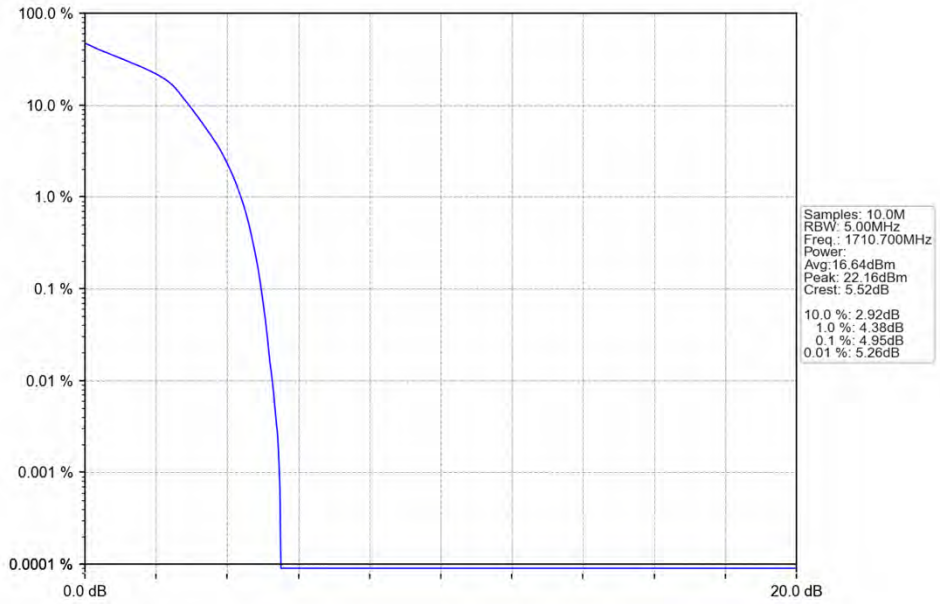
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



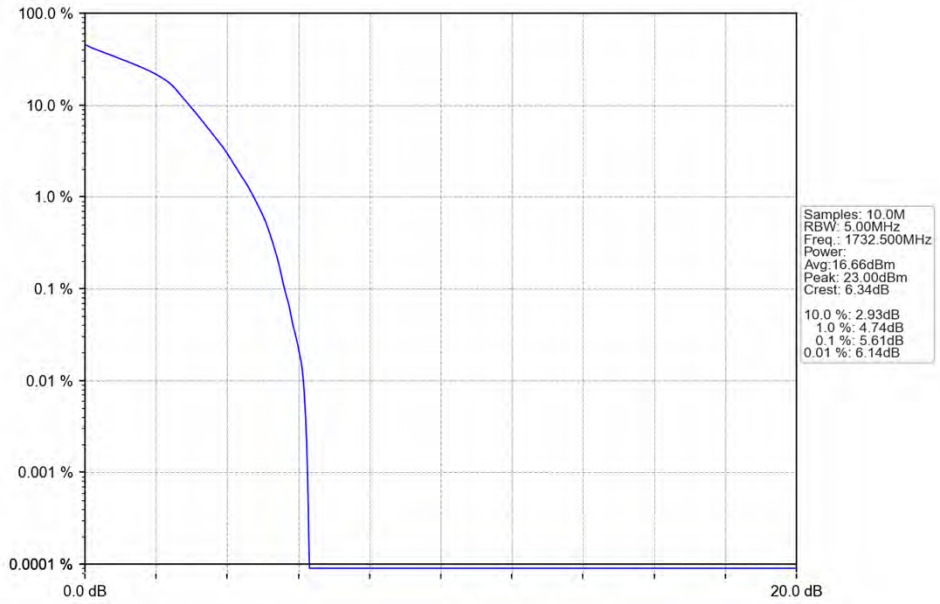
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



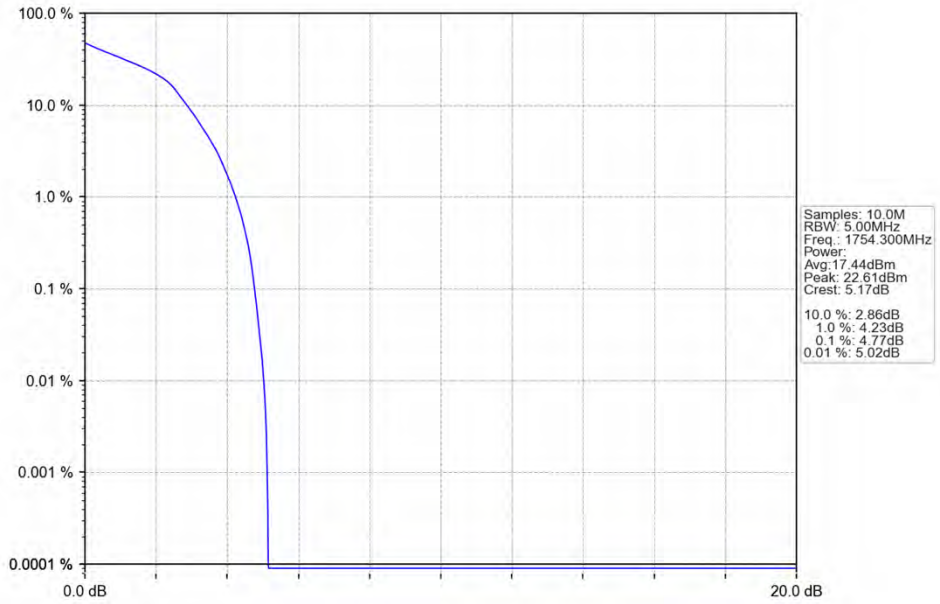
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



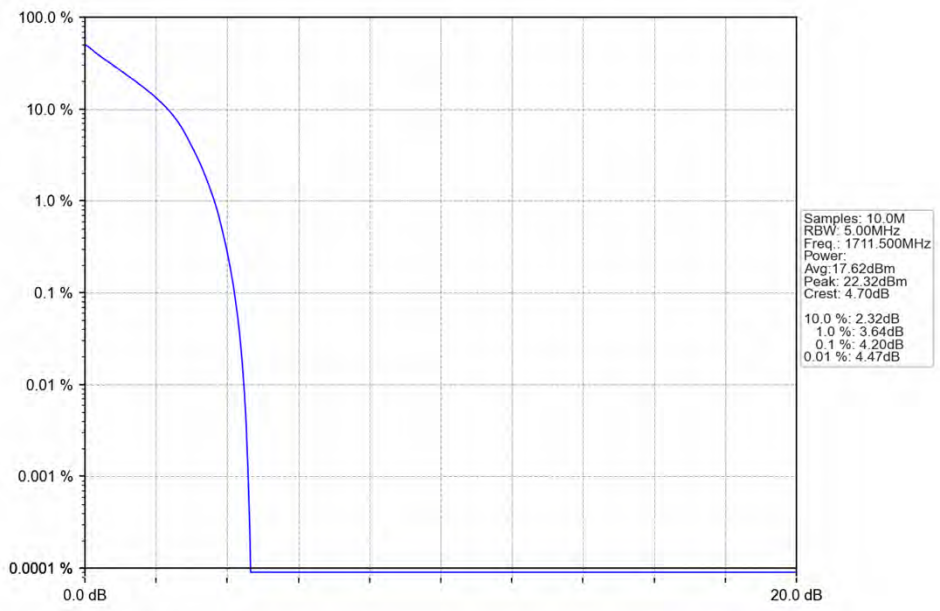
5.2 B4_3MHz

5.2.1 Test Result

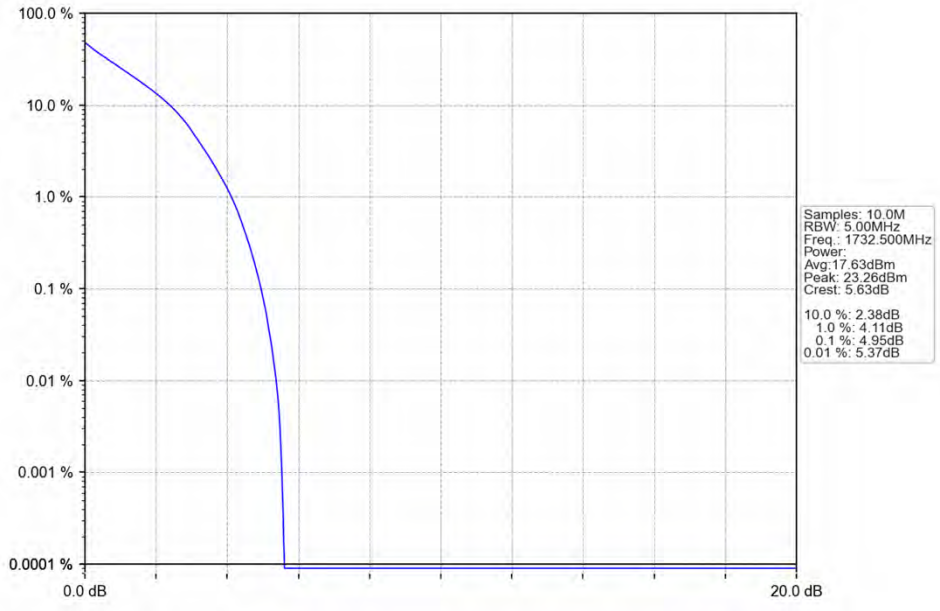
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.20	<=13	Pass
	1732.5	15	0	4.95	<=13	Pass
	1753.5	15	0	4.04	<=13	Pass
16QAM	1711.5	15	0	5.04	<=13	Pass
	1732.5	15	0	5.78	<=13	Pass
	1753.5	15	0	4.88	<=13	Pass

5.2.2 Test Graph

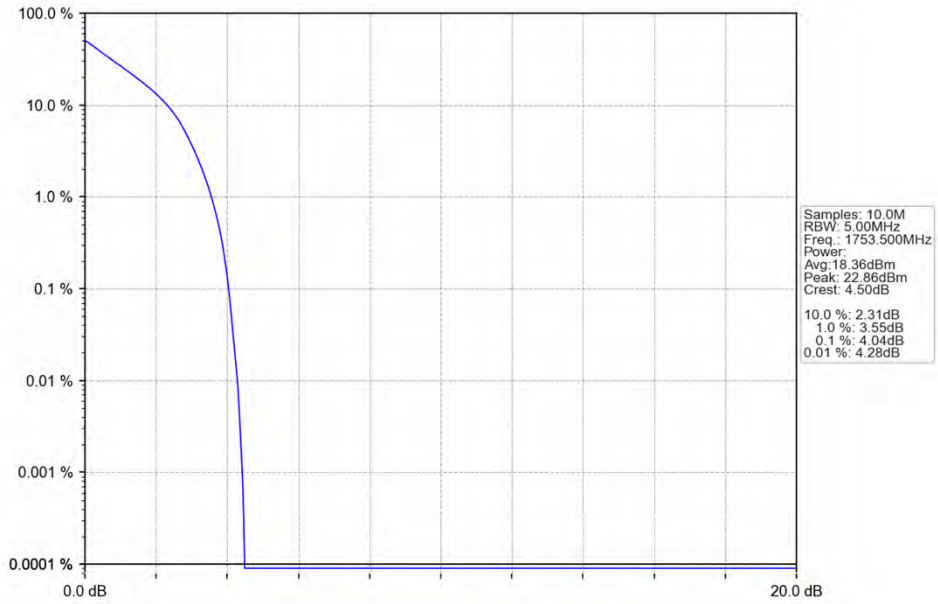
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



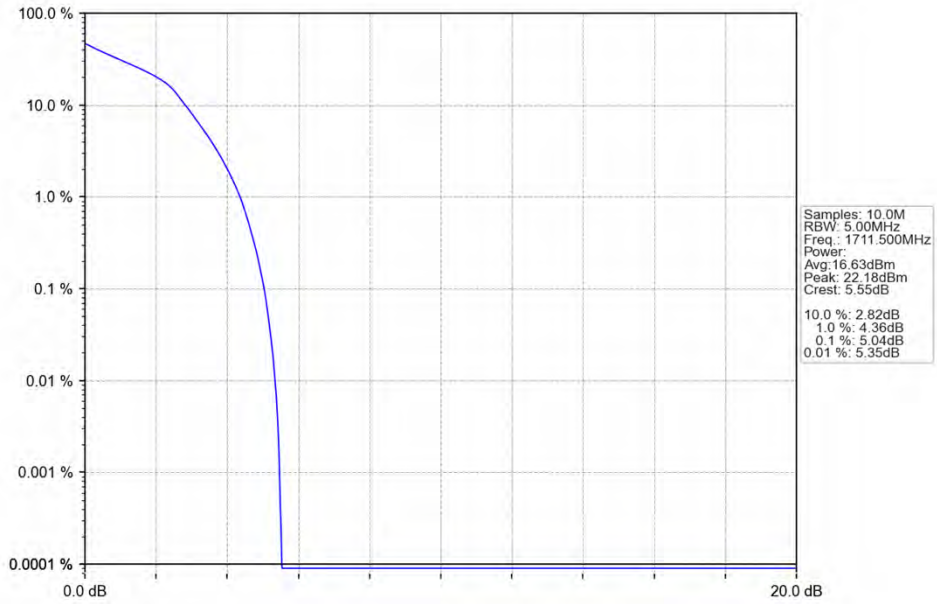
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



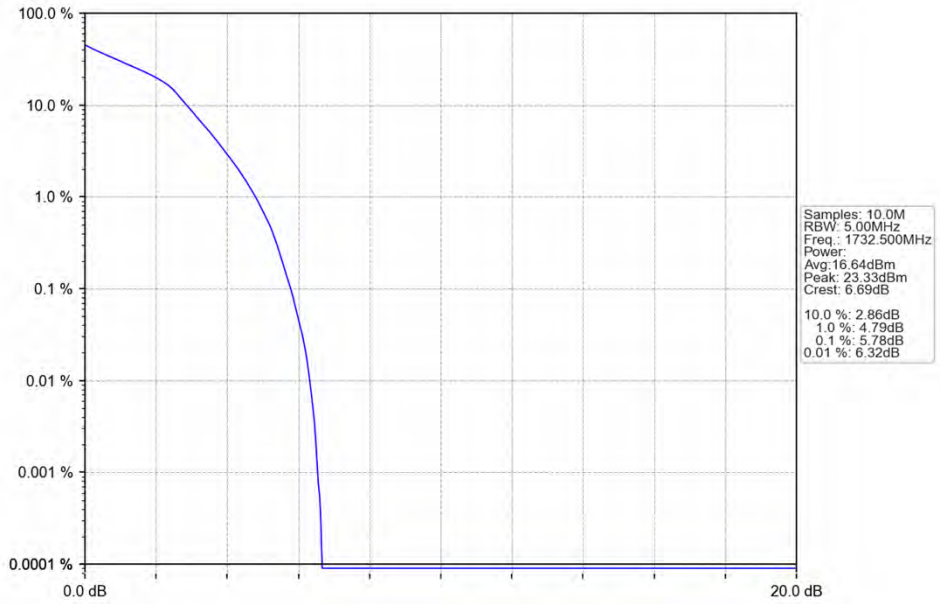
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



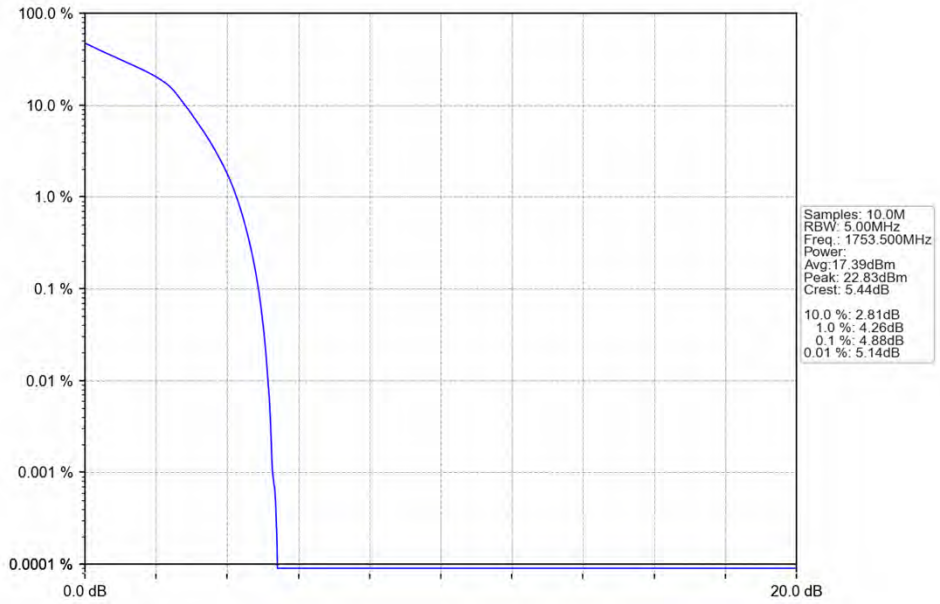
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



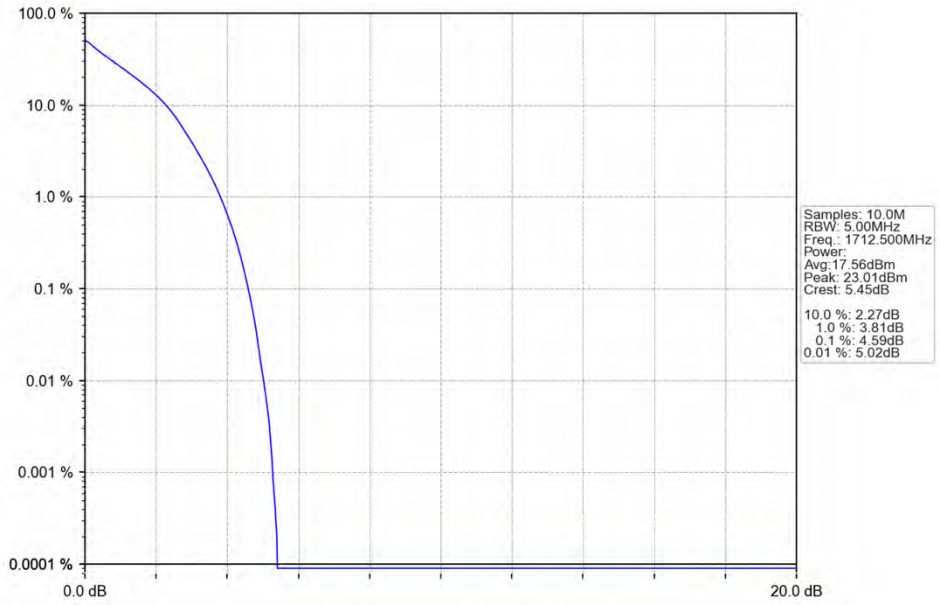
5.3 B4_5MHz

5.3.1 Test Result

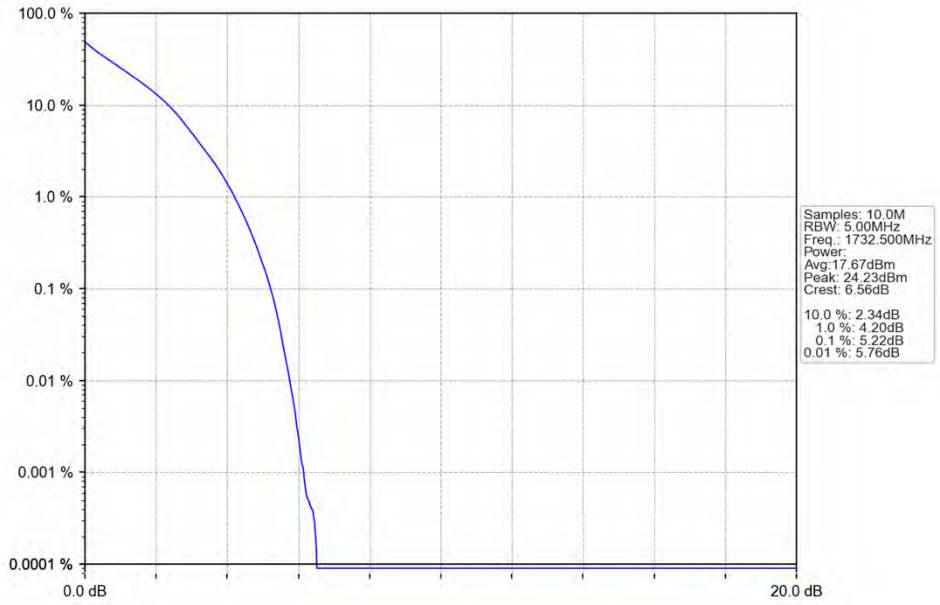
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	4.59	<=13	Pass
	1732.5	25	0	5.22	<=13	Pass
	1752.5	25	0	4.48	<=13	Pass
16QAM	1712.5	25	0	5.26	<=13	Pass
	1732.5	25	0	5.91	<=13	Pass
	1752.5	25	0	5.19	<=13	Pass

5.3.2 Test Graph

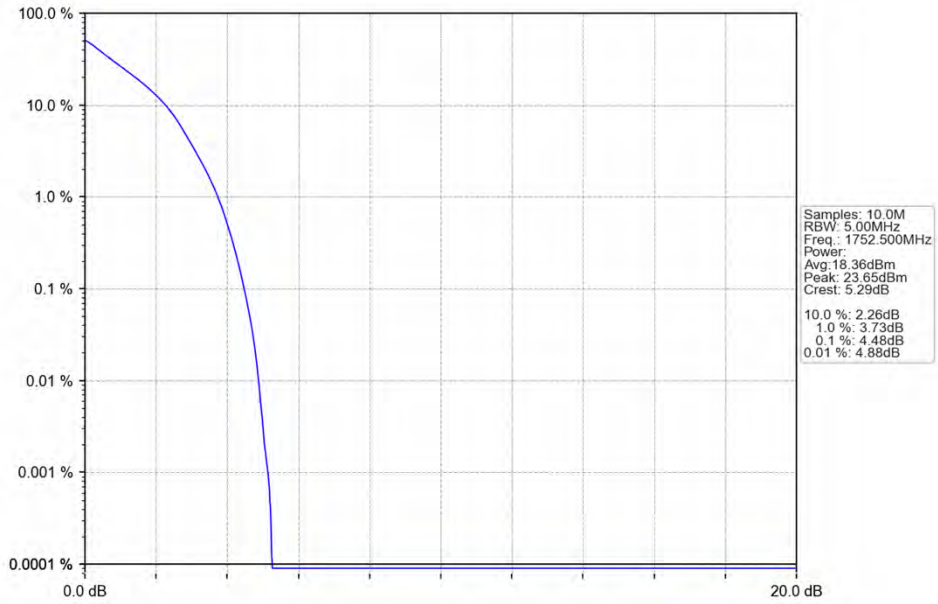
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



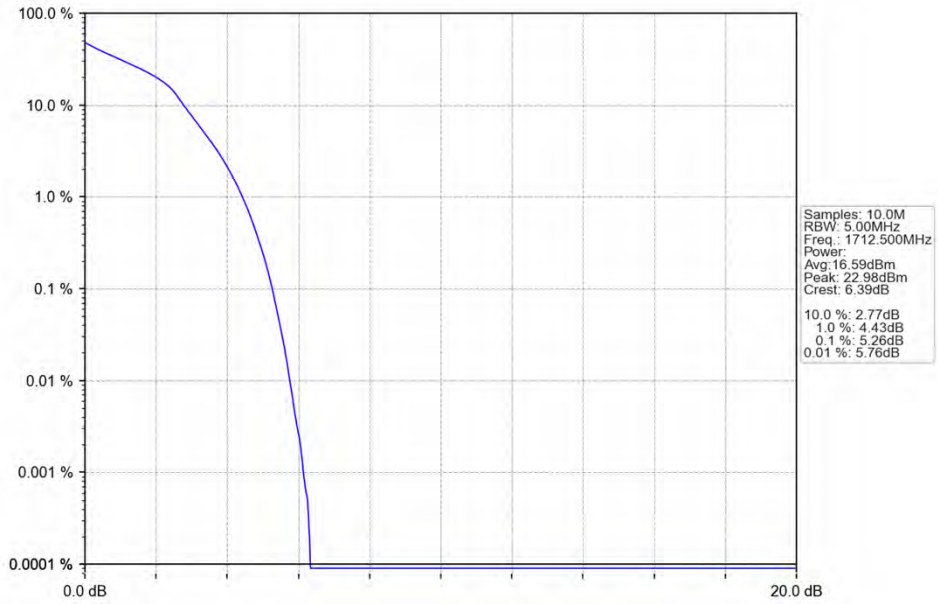
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



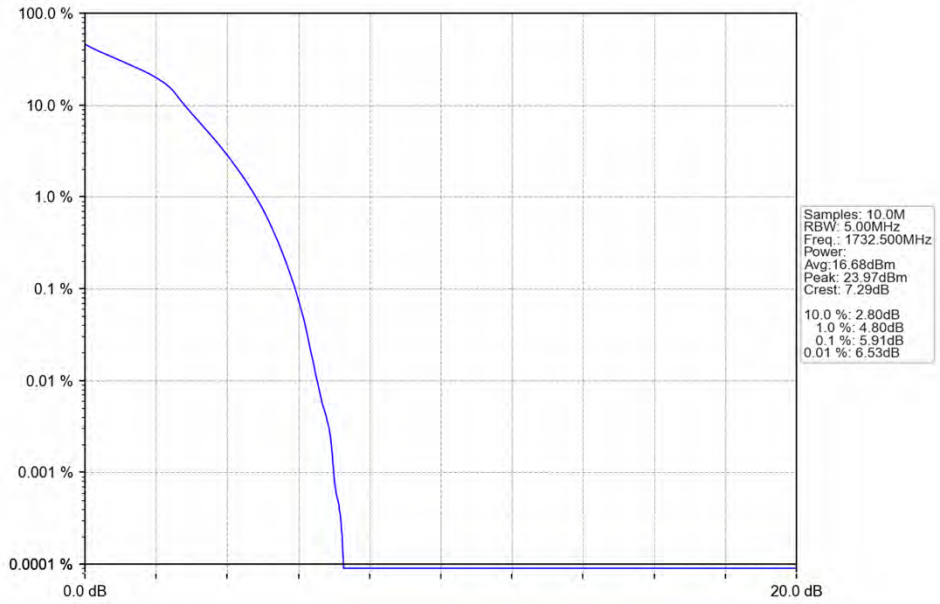
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



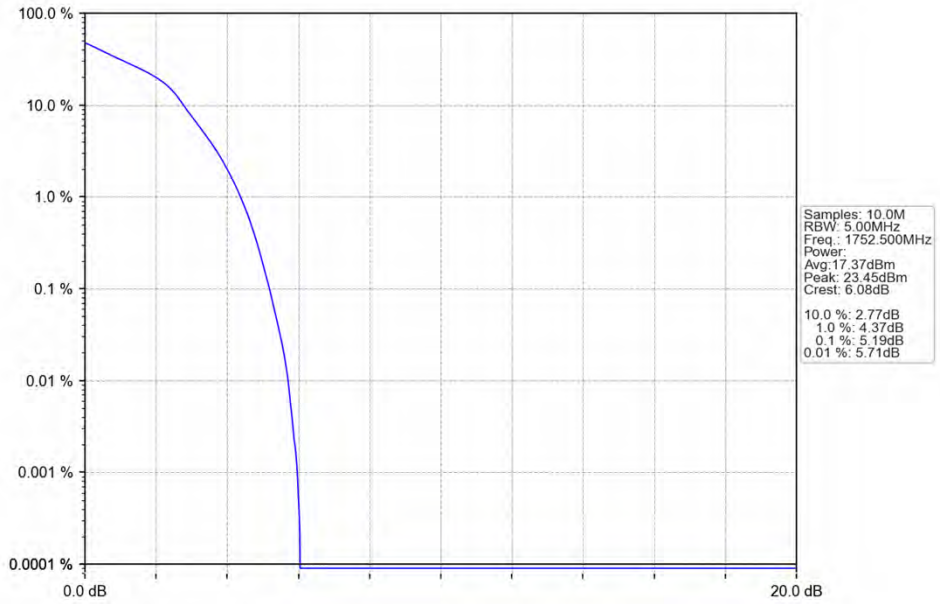
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



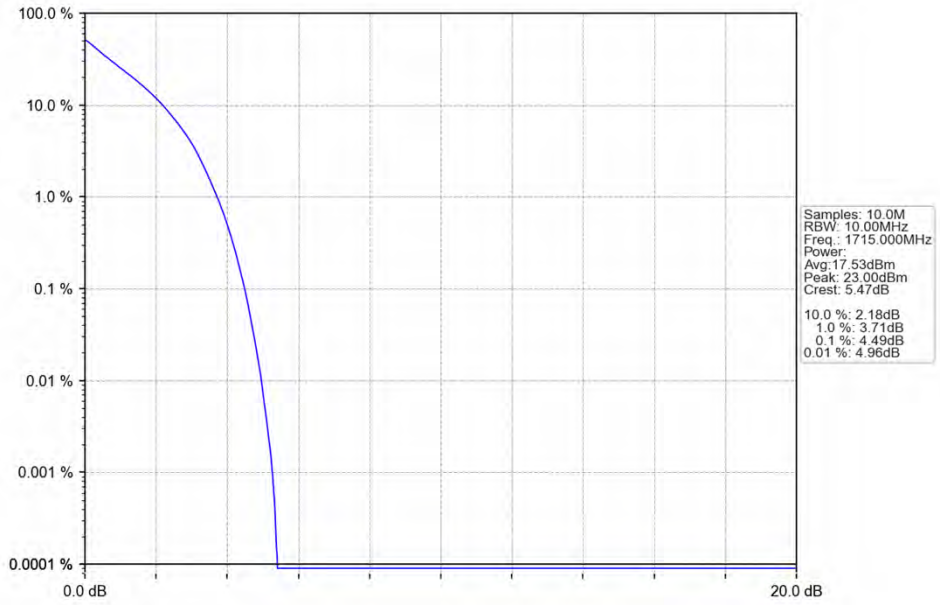
5.4 B4_10MHz

5.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	4.49	<=13	Pass
	1732.5	50	0	5.17	<=13	Pass
	1750	50	0	4.60	<=13	Pass
16QAM	1715	50	0	5.22	<=13	Pass
	1732.5	50	0	5.94	<=13	Pass
	1750	50	0	5.33	<=13	Pass

5.4.2 Test Graph

Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV