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	20.99	2.46	23.45	<=30	Pass
			2	21.06	2.46	23.52	<=30	Pass
			5	20.87	2.46	23.33	<=30	Pass
		3	0	21.00	2.46	23.46	<=30	Pass
			2	21.01	2.46	23.47	<=30	Pass
			3	21.01	2.46	23.47	<=30	Pass
		6	0	19.96	2.46	22.42	<=30	Pass
	1732.5	1	0	20.73	2.46	23.19	<=30	Pass
			2	20.81	2.46	23.27	<=30	Pass
			5	20.73	2.46	23.19	<=30	Pass
		3	0	20.79	2.46	23.25	<=30	Pass
			2	20.84	2.46	23.30	<=30	Pass
			3	20.83	2.46	23.29	<=30	Pass
		6	0	19.80	2.46	22.26	<=30	Pass
	1754.3	1	0	20.38	2.46	22.84	<=30	Pass
			2	20.48	2.46	22.94	<=30	Pass
			5	20.33	2.46	22.79	<=30	Pass
		3	0	20.49	2.46	22.95	<=30	Pass
			2	20.51	2.46	22.97	<=30	Pass
			3	20.49	2.46	22.95	<=30	Pass
		6	0	19.47	2.46	21.93	<=30	Pass
16QAM	1710.7	1	0	19.84	2.46	22.30	<=30	Pass
			2	19.97	2.46	22.43	<=30	Pass
			5	19.92	2.46	22.38	<=30	Pass
		3	0	20.08	2.46	22.54	<=30	Pass
			2	20.08	2.46	22.54	<=30	Pass
			3	20.06	2.46	22.52	<=30	Pass
		6	0	18.93	2.46	21.39	<=30	Pass
	1732.5	1	0	19.92	2.46	22.38	<=30	Pass
			2	19.99	2.46	22.45	<=30	Pass
			5	19.90	2.46	22.36	<=30	Pass
		3	0	19.84	2.46	22.30	<=30	Pass
			2	19.86	2.46	22.32	<=30	Pass
			3	19.87	2.46	22.33	<=30	Pass
		6	0	18.84	2.46	21.30	<=30	Pass
	1754.3	1	0	19.37	2.46	21.83	<=30	Pass
			2	19.49	2.46	21.95	<=30	Pass
			5	19.42	2.46	21.88	<=30	Pass
		3	0	19.69	2.46	22.15	<=30	Pass
			2	19.73	2.46	22.19	<=30	Pass
			3	19.70	2.46	22.16	<=30	Pass
		6	0	18.52	2.46	20.98	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	21.05	2.46	23.51	<=30	Pass
			7	21.17	2.46	23.63	<=30	Pass
			14	21.00	2.46	23.46	<=30	Pass
		8	0	20.04	2.46	22.50	<=30	Pass
			4	20.03	2.46	22.49	<=30	Pass
			7	19.99	2.46	22.45	<=30	Pass
		15	0	19.99	2.46	22.45	<=30	Pass
	1732.5	1	0	20.79	2.46	23.25	<=30	Pass
			7	20.97	2.46	23.43	<=30	Pass
			14	20.81	2.46	23.27	<=30	Pass
		8	0	19.82	2.46	22.28	<=30	Pass
			4	19.85	2.46	22.31	<=30	Pass
			7	19.84	2.46	22.30	<=30	Pass
		15	0	19.82	2.46	22.28	<=30	Pass
	1753.5	1	0	20.53	2.46	22.99	<=30	Pass
			7	20.60	2.46	23.06	<=30	Pass
			14	20.44	2.46	22.90	<=30	Pass
		8	0	19.49	2.46	21.95	<=30	Pass
			4	19.50	2.46	21.96	<=30	Pass
			7	19.48	2.46	21.94	<=30	Pass
		15	0	19.46	2.46	21.92	<=30	Pass
16QAM	1711.5	1	0	20.07	2.46	22.53	<=30	Pass
			7	20.17	2.46	22.63	<=30	Pass
			14	19.99	2.46	22.45	<=30	Pass
		8	0	19.09	2.46	21.55	<=30	Pass
			4	19.14	2.46	21.60	<=30	Pass
			7	19.08	2.46	21.54	<=30	Pass
		15	0	19.11	2.46	21.57	<=30	Pass
	1732.5	1	0	20.00	2.46	22.46	<=30	Pass
			7	20.15	2.46	22.61	<=30	Pass
			14	20.03	2.46	22.49	<=30	Pass
		8	0	18.86	2.46	21.32	<=30	Pass
			4	18.90	2.46	21.36	<=30	Pass
			7	18.85	2.46	21.31	<=30	Pass
		15	0	18.88	2.46	21.34	<=30	Pass
	1753.5	1	0	20.16	2.46	22.62	<=30	Pass
			7	20.18	2.46	22.64	<=30	Pass
			14	20.02	2.46	22.48	<=30	Pass
		8	0	18.70	2.46	21.16	<=30	Pass
			4	18.73	2.46	21.19	<=30	Pass
			7	18.69	2.46	21.15	<=30	Pass
		15	0	18.60	2.46	21.06	<=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	20.87	2.46	23.33	<=30	Pass
			13	20.89	2.46	23.35	<=30	Pass
			24	20.79	2.46	23.25	<=30	Pass
		12	0	19.86	2.46	22.32	<=30	Pass
			6	19.92	2.46	22.38	<=30	Pass
			13	19.89	2.46	22.35	<=30	Pass
		25	0	19.88	2.46	22.34	<=30	Pass
	1732.5	1	0	20.67	2.46	23.13	<=30	Pass
			13	20.73	2.46	23.19	<=30	Pass
			24	20.69	2.46	23.15	<=30	Pass
		12	0	19.71	2.46	22.17	<=30	Pass
			6	19.79	2.46	22.25	<=30	Pass
			13	19.68	2.46	22.14	<=30	Pass
		25	0	19.74	2.46	22.20	<=30	Pass
	1752.5	1	0	20.47	2.46	22.93	<=30	Pass
			13	20.52	2.46	22.98	<=30	Pass
			24	20.36	2.46	22.82	<=30	Pass
		12	0	19.43	2.46	21.89	<=30	Pass
			6	19.48	2.46	21.94	<=30	Pass
			13	19.41	2.46	21.87	<=30	Pass
		25	0	19.46	2.46	21.92	<=30	Pass
16QAM	1712.5	1	0	19.97	2.46	22.43	<=30	Pass
			13	20.04	2.46	22.50	<=30	Pass
			24	19.87	2.46	22.33	<=30	Pass
		12	0	18.95	2.46	21.41	<=30	Pass
			6	18.97	2.46	21.43	<=30	Pass
			13	18.91	2.46	21.37	<=30	Pass
		25	0	18.97	2.46	21.43	<=30	Pass
	1732.5	1	0	19.91	2.46	22.37	<=30	Pass
			13	20.06	2.46	22.52	<=30	Pass
			24	19.97	2.46	22.43	<=30	Pass
		12	0	18.87	2.46	21.33	<=30	Pass
			6	18.91	2.46	21.37	<=30	Pass
			13	18.84	2.46	21.30	<=30	Pass
		25	0	18.81	2.46	21.27	<=30	Pass
	1752.5	1	0	19.26	2.46	21.72	<=30	Pass
			13	19.35	2.46	21.81	<=30	Pass
			24	19.21	2.46	21.67	<=30	Pass
		12	0	18.50	2.46	20.96	<=30	Pass
			6	18.55	2.46	21.01	<=30	Pass
			13	18.47	2.46	20.93	<=30	Pass
		25	0	18.54	2.46	21.00	<=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	20.93	2.46	23.39	<=30	Pass
			25	21.08	2.46	23.54	<=30	Pass
			49	20.81	2.46	23.27	<=30	Pass
		25	0	19.92	2.46	22.38	<=30	Pass
			13	19.92	2.46	22.38	<=30	Pass
			25	20.00	2.46	22.46	<=30	Pass
		50	0	19.96	2.46	22.42	<=30	Pass
	1732.5	1	0	20.68	2.46	23.14	<=30	Pass
			25	20.90	2.46	23.36	<=30	Pass
			49	20.66	2.46	23.12	<=30	Pass
		25	0	19.84	2.46	22.30	<=30	Pass
			13	19.82	2.46	22.28	<=30	Pass
			25	19.75	2.46	22.21	<=30	Pass
		50	0	19.88	2.46	22.34	<=30	Pass
	1750	1	0	20.54	2.46	23.00	<=30	Pass
			25	20.65	2.46	23.11	<=30	Pass
			49	20.35	2.46	22.81	<=30	Pass
		25	0	19.67	2.46	22.13	<=30	Pass
			13	19.58	2.46	22.04	<=30	Pass
			25	19.54	2.46	22.00	<=30	Pass
		50	0	19.60	2.46	22.06	<=30	Pass
16QAM	1715	1	0	19.88	2.46	22.34	<=30	Pass
			25	20.04	2.46	22.50	<=30	Pass
			49	19.78	2.46	22.24	<=30	Pass
		25	0	19.09	2.46	21.55	<=30	Pass
			13	19.04	2.46	21.50	<=30	Pass
			25	19.10	2.46	21.56	<=30	Pass
		50	0	19.03	2.46	21.49	<=30	Pass
	1732.5	1	0	19.79	2.46	22.25	<=30	Pass
			25	20.09	2.46	22.55	<=30	Pass
			49	19.85	2.46	22.31	<=30	Pass
		25	0	18.96	2.46	21.42	<=30	Pass
			13	18.90	2.46	21.36	<=30	Pass
			25	18.87	2.46	21.33	<=30	Pass
		50	0	18.89	2.46	21.35	<=30	Pass
	1750	1	0	20.13	2.46	22.59	<=30	Pass
			25	20.25	2.46	22.71	<=30	Pass
			49	19.92	2.46	22.38	<=30	Pass
		25	0	18.77	2.46	21.23	<=30	Pass
			13	18.69	2.46	21.15	<=30	Pass
			25	18.66	2.46	21.12	<=30	Pass
		50	0	18.67	2.46	21.13	<=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	20.73	2.46	23.19	<=30	Pass
			38	20.83	2.46	23.29	<=30	Pass
			74	20.53	2.46	22.99	<=30	Pass
		36	0	19.86	2.46	22.32	<=30	Pass
			18	19.90	2.46	22.36	<=30	Pass
			39	19.84	2.46	22.30	<=30	Pass
		75	0	19.85	2.46	22.31	<=30	Pass
	1732.5	1	0	20.55	2.46	23.01	<=30	Pass
			38	20.80	2.46	23.26	<=30	Pass
			74	20.54	2.46	23.00	<=30	Pass
		36	0	19.75	2.46	22.21	<=30	Pass
			18	19.76	2.46	22.22	<=30	Pass
			39	19.71	2.46	22.17	<=30	Pass
		75	0	19.75	2.46	22.21	<=30	Pass
	1747.5	1	0	20.47	2.46	22.93	<=30	Pass
			38	20.54	2.46	23.00	<=30	Pass
			74	20.16	2.46	22.62	<=30	Pass
		36	0	19.69	2.46	22.15	<=30	Pass
			18	19.58	2.46	22.04	<=30	Pass
			39	19.51	2.46	21.97	<=30	Pass
		75	0	19.61	2.46	22.07	<=30	Pass
16QAM	1717.5	1	0	20.11	2.46	22.57	<=30	Pass
			38	20.19	2.46	22.65	<=30	Pass
			74	19.97	2.46	22.43	<=30	Pass
		36	0	18.90	2.46	21.36	<=30	Pass
			18	18.91	2.46	21.37	<=30	Pass
			39	18.93	2.46	21.39	<=30	Pass
		75	0	18.91	2.46	21.37	<=30	Pass
	1732.5	1	0	19.68	2.46	22.14	<=30	Pass
			38	19.94	2.46	22.40	<=30	Pass
			74	19.69	2.46	22.15	<=30	Pass
		36	0	18.82	2.46	21.28	<=30	Pass
			18	18.90	2.46	21.36	<=30	Pass
			39	18.78	2.46	21.24	<=30	Pass
		75	0	18.80	2.46	21.26	<=30	Pass
	1747.5	1	0	20.06	2.46	22.52	<=30	Pass
			38	20.17	2.46	22.63	<=30	Pass
			74	19.76	2.46	22.22	<=30	Pass
		36	0	18.79	2.46	21.25	<=30	Pass
			18	18.69	2.46	21.15	<=30	Pass
			39	18.61	2.46	21.07	<=30	Pass
		75	0	18.63	2.46	21.09	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	20.57	2.46	23.03	<=30	Pass
			50	20.93	2.46	23.39	<=30	Pass
			99	20.34	2.46	22.80	<=30	Pass
		50	0	19.80	2.46	22.26	<=30	Pass
			25	19.83	2.46	22.29	<=30	Pass
			50	19.85	2.46	22.31	<=30	Pass
		100	0	19.85	2.46	22.31	<=30	Pass
	1732.5	1	0	20.37	2.46	22.83	<=30	Pass
			50	20.93	2.46	23.39	<=30	Pass
			99	20.34	2.46	22.80	<=30	Pass
		50	0	19.84	2.46	22.30	<=30	Pass
			25	19.76	2.46	22.22	<=30	Pass
			50	19.68	2.46	22.14	<=30	Pass
		100	0	19.76	2.46	22.22	<=30	Pass
	1745	1	0	20.37	2.46	22.83	<=30	Pass
			50	20.82	2.46	23.28	<=30	Pass
			99	20.11	2.46	22.57	<=30	Pass
		50	0	19.89	2.46	22.35	<=30	Pass
			25	19.70	2.46	22.16	<=30	Pass
			50	19.60	2.46	22.06	<=30	Pass
		100	0	19.77	2.46	22.23	<=30	Pass
16QAM	1720	1	0	20.08	2.46	22.54	<=30	Pass
			50	20.47	2.46	22.93	<=30	Pass
			99	19.96	2.46	22.42	<=30	Pass
		50	0	18.82	2.46	21.28	<=30	Pass
			25	18.88	2.46	21.34	<=30	Pass
			50	18.93	2.46	21.39	<=30	Pass
		100	0	18.90	2.46	21.36	<=30	Pass
	1732.5	1	0	19.62	2.46	22.08	<=30	Pass
			50	20.11	2.46	22.57	<=30	Pass
			99	19.55	2.46	22.01	<=30	Pass
		50	0	18.92	2.46	21.38	<=30	Pass
			25	18.83	2.46	21.29	<=30	Pass
			50	18.74	2.46	21.20	<=30	Pass
		100	0	18.81	2.46	21.27	<=30	Pass
	1745	1	0	19.68	2.46	22.14	<=30	Pass
			50	20.09	2.46	22.55	<=30	Pass
			99	19.34	2.46	21.80	<=30	Pass
		50	0	18.95	2.46	21.41	<=30	Pass
			25	18.71	2.46	21.17	<=30	Pass
			50	18.64	2.46	21.10	<=30	Pass
		100	0	18.82	2.46	21.28	<=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	-42.443	-0.0248	-2.5 to 2.5	Pass
					3.85	-23.646	-0.0138	-2.5 to 2.5	Pass
					4.43	-29.540	-0.0173	-2.5 to 2.5	Pass
				-30	3.85	-18.840	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-5.264	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-14.234	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-7.353	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-16.451	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-9.212	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-14.291	-0.0084	-2.5 to 2.5	Pass
				50	3.85	-12.674	-0.0074	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	3.505	0.0020	-2.5 to 2.5	Pass
					3.85	-14.849	-0.0086	-2.5 to 2.5	Pass
					4.43	-1.774	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-9.327	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	5.050	0.0029	-2.5 to 2.5	Pass
				0	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
				10	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				30	3.85	-7.167	-0.0041	-2.5 to 2.5	Pass
				40	3.85	1.931	0.0011	-2.5 to 2.5	Pass
				50	3.85	3.877	0.0022	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-12.016	-0.0068	-2.5 to 2.5	Pass
					3.85	-10.886	-0.0062	-2.5 to 2.5	Pass
					4.43	-14.634	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-3.390	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	3.834	0.0022	-2.5 to 2.5	Pass
				-10	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-3.190	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				40	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-3.591	-0.0020	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-8.583	-0.0050	-2.5 to 2.5	Pass
					3.85	-2.847	-0.0017	-2.5 to 2.5	Pass
					4.43	-9.069	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-4.435	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-5.293	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-9.441	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-9.327	-0.0055	-2.5 to 2.5	Pass

	1732.5	6	0	20	3.27	-8.969	-0.0052	-2.5 to 2.5	Pass
					3.85	8.311	0.0048	-2.5 to 2.5	Pass
					4.43	4.649	0.0027	-2.5 to 2.5	Pass
				-30	3.85	-8.354	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-9.069	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
				10	3.85	4.821	0.0028	-2.5 to 2.5	Pass
				30	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-12.803	-0.0074	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	0.072	0.0000	-2.5 to 2.5	Pass
					3.85	-5.722	-0.0033	-2.5 to 2.5	Pass
					4.43	-8.626	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-14.720	-0.0084	-2.5 to 2.5	Pass
				-20	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-8.798	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-4.263	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-12.217	-0.0070	-2.5 to 2.5	Pass
				40	3.85	-13.347	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-10.142	-0.0058	-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	-11.444	-0.0067	-2.5 to 2.5	Pass
					3.85	-14.820	-0.0087	-2.5 to 2.5	Pass
					4.43	-15.764	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	-11.816	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-11.458	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-14.234	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-13.976	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-12.803	-0.0075	-2.5 to 2.5	Pass
				30	3.85	-15.965	-0.0093	-2.5 to 2.5	Pass
				40	3.85	-18.096	-0.0106	-2.5 to 2.5	Pass
				50	3.85	-11.902	-0.0070	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	5.250	0.0030	-2.5 to 2.5	Pass
					3.85	-13.103	-0.0076	-2.5 to 2.5	Pass
					4.43	0.401	0.0002	-2.5 to 2.5	Pass
				-30	3.85	2.689	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	3.605	0.0021	-2.5 to 2.5	Pass
				0	3.85	-6.766	-0.0039	-2.5 to 2.5	Pass
				10	3.85	4.091	0.0024	-2.5 to 2.5	Pass
				30	3.85	2.933	0.0017	-2.5 to 2.5	Pass
				40	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				50	3.85	-7.968	-0.0046	-2.5 to 2.5	Pass

	1753.5	15	0	20	3.27	-15.678	-0.0089	-2.5 to 2.5	Pass
					3.85	-11.201	-0.0064	-2.5 to 2.5	Pass
					4.43	-13.161	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-18.597	-0.0106	-2.5 to 2.5	Pass
				-10	3.85	-12.259	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-10.514	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-6.151	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-7.038	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-4.978	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-15.507	-0.0091	-2.5 to 2.5	Pass
					3.85	-8.740	-0.0051	-2.5 to 2.5	Pass
					4.43	-9.241	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-9.098	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-9.613	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-16.093	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-12.403	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-13.275	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-10.471	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-6.995	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-14.434	-0.0084	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-2.604	-0.0015	-2.5 to 2.5	Pass
					3.85	0.958	0.0006	-2.5 to 2.5	Pass
					4.43	4.792	0.0028	-2.5 to 2.5	Pass
				-30	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.031	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-5.364	-0.0031	-2.5 to 2.5	Pass
				40	3.85	7.653	0.0044	-2.5 to 2.5	Pass
				50	3.85	5.808	0.0034	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-5.393	-0.0031	-2.5 to 2.5	Pass
					3.85	4.292	0.0024	-2.5 to 2.5	Pass
					4.43	1.259	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-7.839	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-2.031	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-6.123	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-3.934	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-10.200	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-9.027	-0.0051	-2.5 to 2.5	Pass
				40	3.85	5.221	0.0030	-2.5 to 2.5	Pass
				50	3.85	-2.861	-0.0016	-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	-9.642	-0.0056	-2.5 to 2.5	Pass
					3.85	-13.933	-0.0081	-2.5 to 2.5	Pass
					4.43	-9.041	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-7.181	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-10.343	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-6.394	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-6.881	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-5.250	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-7.524	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-4.435	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-4.721	-0.0028	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-2.046	-0.0012	-2.5 to 2.5	Pass
					3.85	-5.865	-0.0034	-2.5 to 2.5	Pass
					4.43	-1.888	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-6.409	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-4.048	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-10.529	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				50	3.85	0.801	0.0005	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-12.660	-0.0072	-2.5 to 2.5	Pass
					3.85	-18.525	-0.0106	-2.5 to 2.5	Pass
					4.43	-7.467	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-13.719	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-7.353	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-8.383	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-3.877	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-6.695	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-8.726	-0.0050	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-7.181	-0.0042	-2.5 to 2.5	Pass
					3.85	-2.160	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.717	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-7.224	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-2.847	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-10.400	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-4.091	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	0.930	0.0005	-2.5 to 2.5	Pass
					3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
					4.43	4.377	0.0025	-2.5 to 2.5	Pass
				-30	3.85	-2.775	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-11.158	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-9.441	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				50	3.85	0.687	0.0004	-2.5 to 2.5	Pass

	1752.5	25	0	20	3.27	-5.836	-0.0033	-2.5 to 2.5	Pass
					3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
					4.43	-7.825	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-4.606	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				0	3.85	-5.279	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-11.530	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-4.263	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-7.811	-0.0045	-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	-9.384	-0.0055	-2.5 to 2.5	Pass
					3.85	-10.428	-0.0061	-2.5 to 2.5	Pass
					4.43	-9.384	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-7.110	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-9.327	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-8.841	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-6.323	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-8.125	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-9.828	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-10.042	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-9.212	-0.0054	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-5.794	-0.0033	-2.5 to 2.5	Pass
					3.85	-6.881	-0.0040	-2.5 to 2.5	Pass
					4.43	-7.725	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-9.341	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-7.668	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-3.977	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-8.397	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-7.639	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-7.339	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-5.937	-0.0034	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-5.794	-0.0033	-2.5 to 2.5	Pass
					3.85	-6.495	-0.0037	-2.5 to 2.5	Pass
					4.43	-2.031	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-9.685	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-6.380	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-6.280	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-4.435	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-4.792	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-6.809	-0.0039	-2.5 to 2.5	Pass

16QAM	1715	50	0	20	3.27	-7.539	-0.0044	-2.5 to 2.5	Pass
					3.85	-7.453	-0.0043	-2.5 to 2.5	Pass
					4.43	-6.166	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-5.579	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-9.942	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-3.934	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-11.058	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-8.597	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-4.950	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-6.623	-0.0039	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-8.740	-0.0050	-2.5 to 2.5	Pass
					3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
					4.43	-6.781	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-7.281	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-6.266	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-6.380	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-2.661	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-8.168	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-2.246	-0.0013	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-3.176	-0.0018	-2.5 to 2.5	Pass
					3.85	-8.798	-0.0050	-2.5 to 2.5	Pass
					4.43	-5.937	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	4.063	0.0023	-2.5 to 2.5	Pass
				-20	3.85	-6.781	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-6.452	-0.0037	-2.5 to 2.5	Pass
				0	3.85	0.572	0.0003	-2.5 to 2.5	Pass
				10	3.85	-2.675	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-10.386	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-5.465	-0.0031	-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	-6.967	-0.0041	-2.5 to 2.5	Pass
					3.85	-8.540	-0.0050	-2.5 to 2.5	Pass
					4.43	-8.225	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-4.449	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-7.281	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-6.680	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-7.067	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-9.542	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-4.063	-0.0024	-2.5 to 2.5	Pass

	1732.5	75	0	20	3.27	-5.507	-0.0032	-2.5 to 2.5	Pass
					3.85	-5.164	-0.0030	-2.5 to 2.5	Pass
					4.43	-2.060	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-4.892	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				10	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				30	3.85	-3.004	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-6.766	-0.0039	-2.5 to 2.5	Pass
					3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
					4.43	-5.693	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-5.651	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-6.294	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-4.606	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-6.680	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-7.410	-0.0042	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-6.995	-0.0041	-2.5 to 2.5	Pass
					3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
					4.43	-10.443	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-9.828	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-8.039	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-8.025	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-7.839	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-4.849	-0.0028	-2.5 to 2.5	Pass
					3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
					4.43	-3.619	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-4.091	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	2.389	0.0014	-2.5 to 2.5	Pass
				-10	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				0	3.85	-2.861	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-2.832	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-1.473	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-6.809	-0.0039	-2.5 to 2.5	Pass
					3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
					4.43	-7.410	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-6.480	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-5.250	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-5.121	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-4.435	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-8.383	-0.0049	-2.5 to 2.5	Pass
					3.85	-10.428	-0.0061	-2.5 to 2.5	Pass
					4.43	-4.392	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-6.208	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-10.014	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-4.449	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-6.180	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-11.215	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-8.841	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-6.809	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-8.597	-0.0050	-2.5 to 2.5	Pass
					3.85	-4.764	-0.0027	-2.5 to 2.5	Pass
					4.43	-8.712	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-7.510	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-5.450	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-3.033	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-7.424	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-9.227	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-8.740	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-9.799	-0.0057	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-4.363	-0.0025	-2.5 to 2.5	Pass
					3.85	1.659	0.0010	-2.5 to 2.5	Pass
					4.43	-5.908	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	3.290	0.0019	-2.5 to 2.5	Pass
				-20	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	1.645	0.0009	-2.5 to 2.5	Pass
				0	3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-7.253	-0.0042	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-6.781	-0.0039	-2.5 to 2.5	Pass
					3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
					4.43	-3.777	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-6.666	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-4.306	-0.0025	-2.5 to 2.5	Pass
					3.85	0.501	0.0003	-2.5 to 2.5	Pass
					4.43	-5.293	-0.0031	-2.5 to 2.5	Pass

				-30	3.85	-3.762	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-7.010	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-6.709	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-4.950	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-6.323	-0.0036	-2.5 to 2.5	Pass
					3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
					4.43	-4.005	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	3.934	0.0023	-2.5 to 2.5	Pass
				-20	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-7.567	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-0.014	0.0000	-2.5 to 2.5	Pass

3. Modulation Characteristics

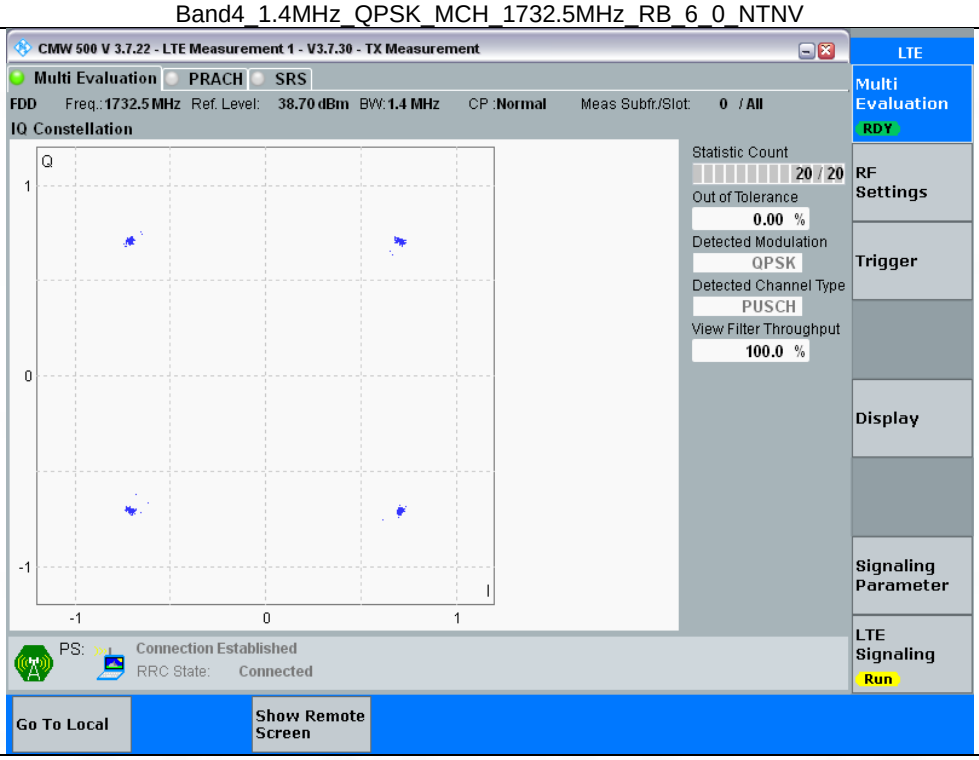
3.1 B4_1.4MHz

3.1.1 Test Result

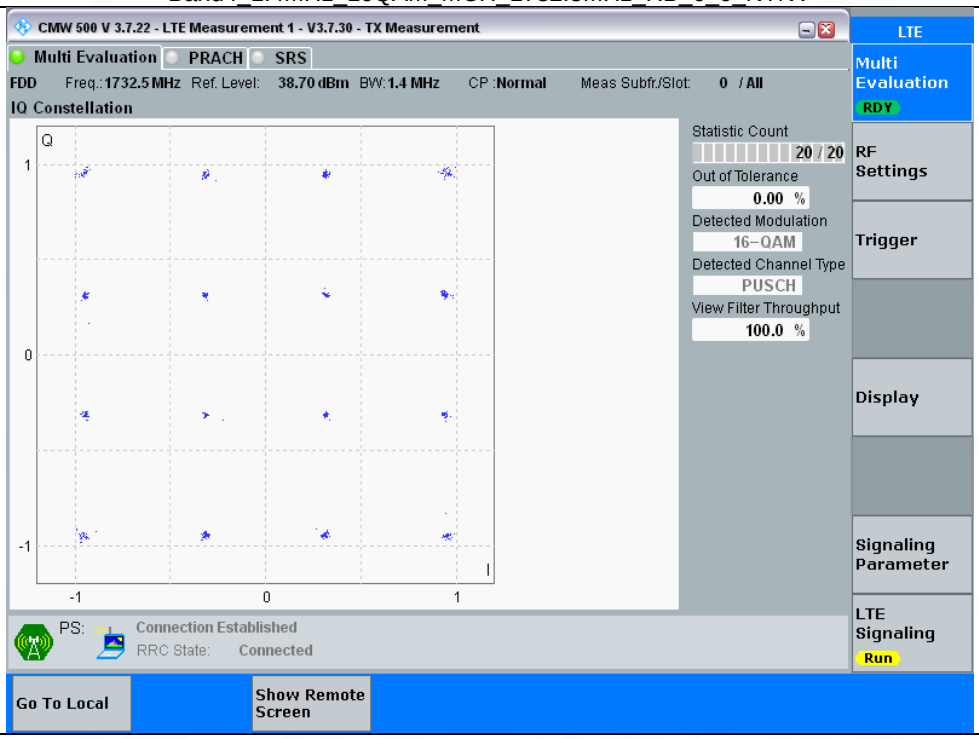
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

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



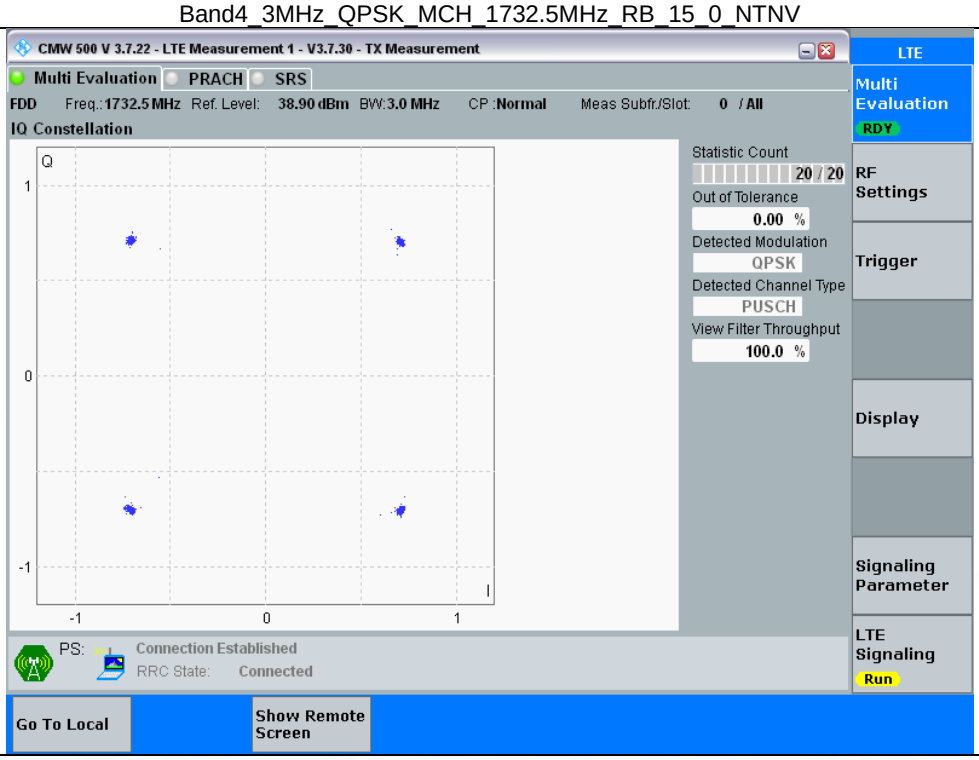
3.2 B4_3MHz

3.2.1 Test Result

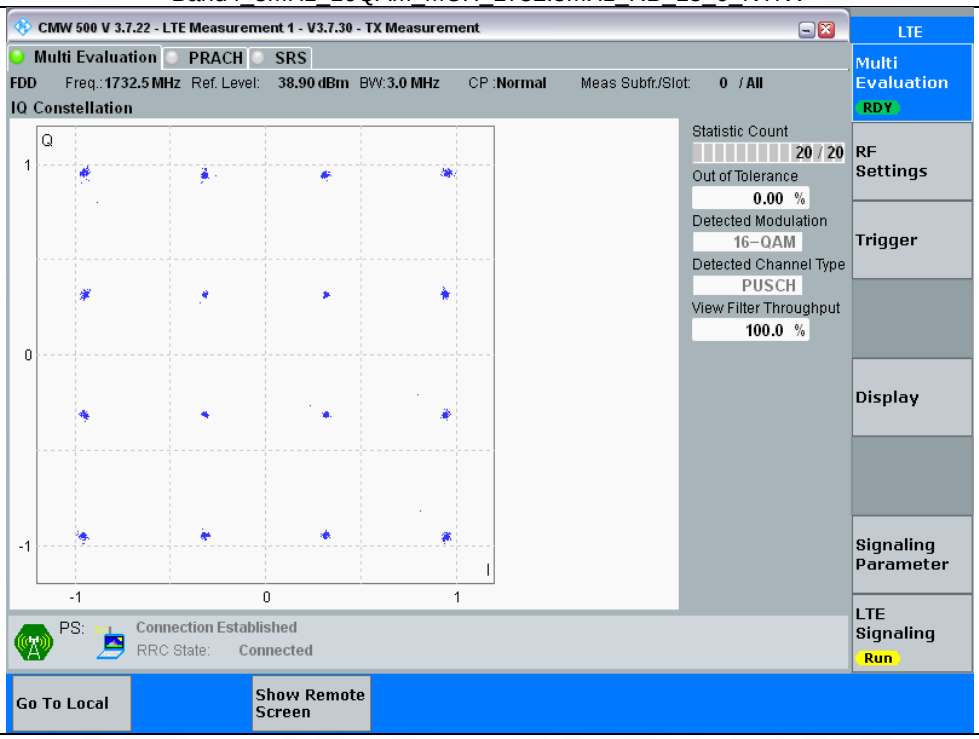
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

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



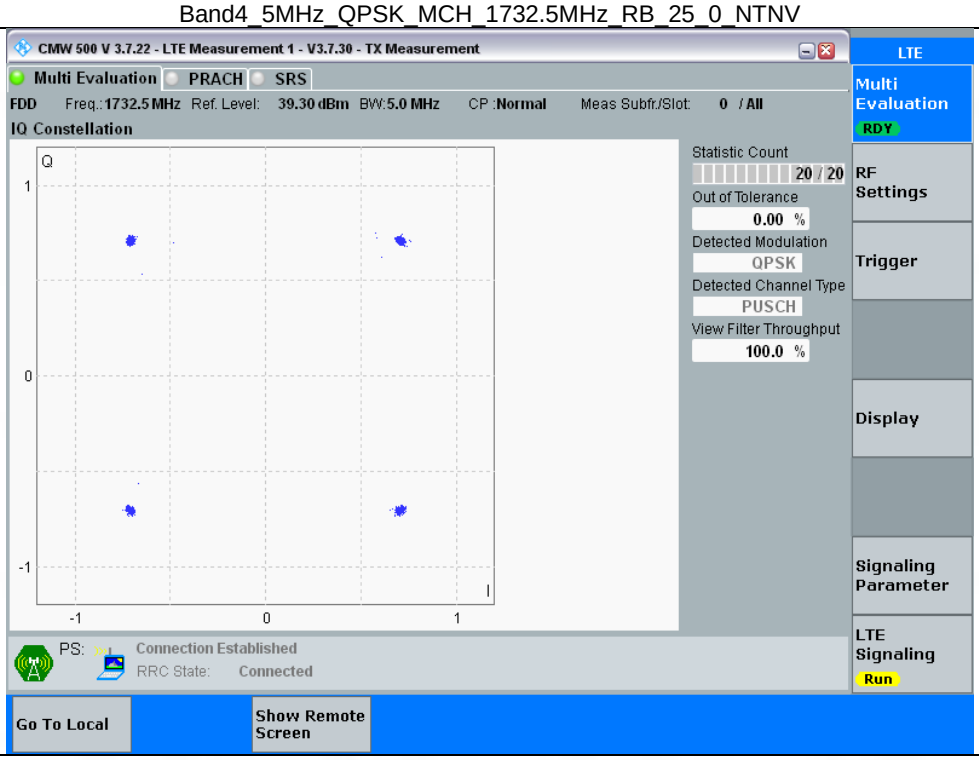
3.3 B4_5MHz

3.3.1 Test Result

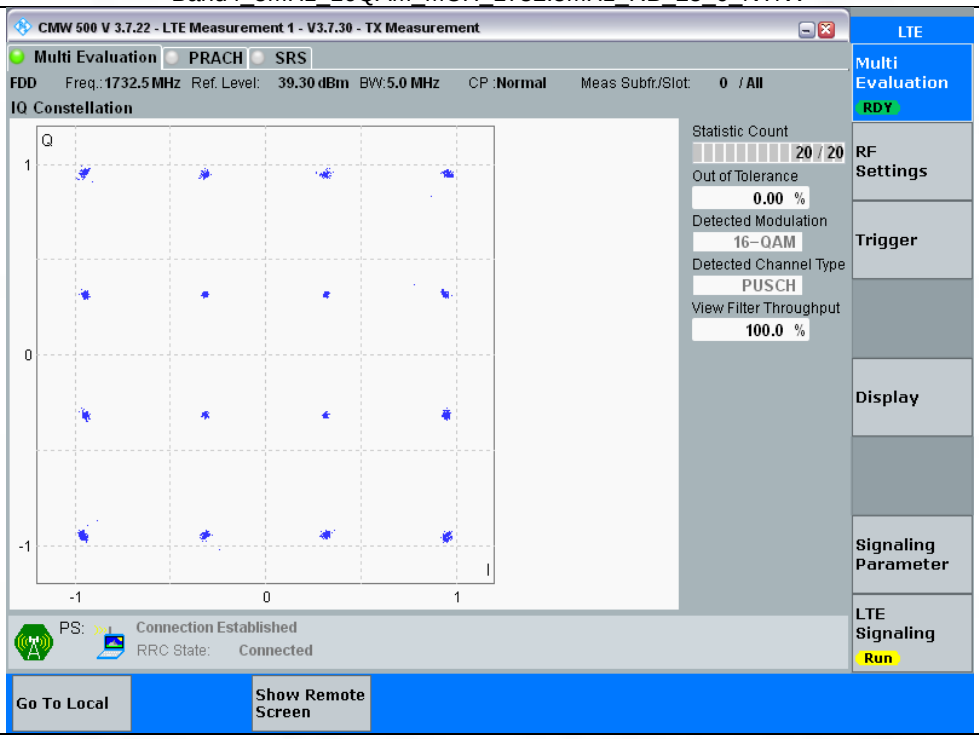
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

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



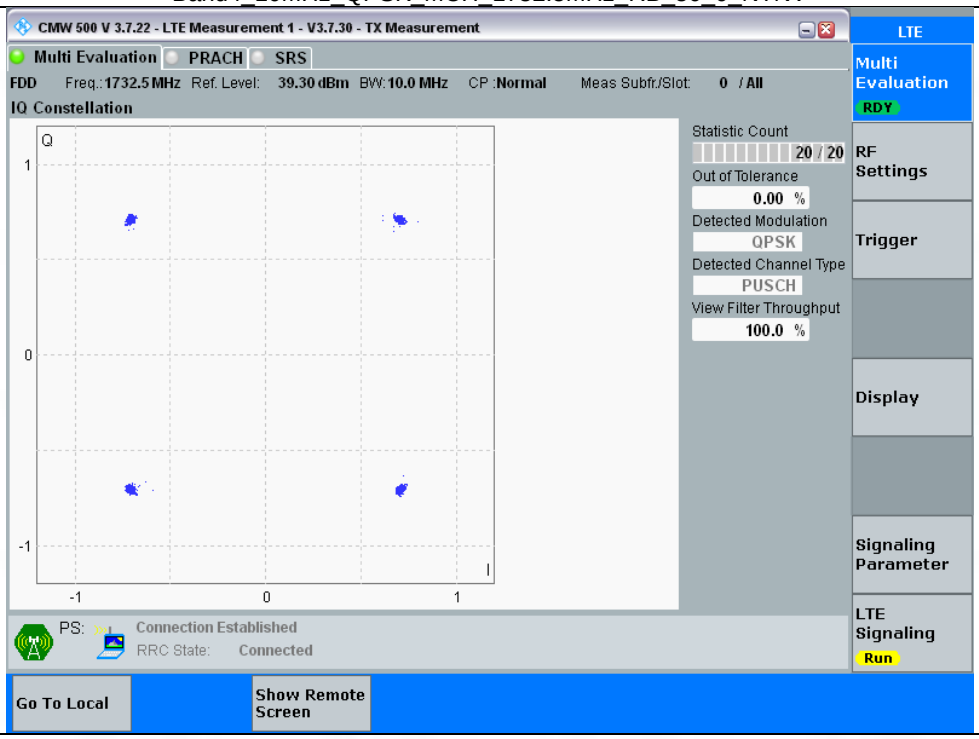
3.4 B4_10MHz

3.4.1 Test Result

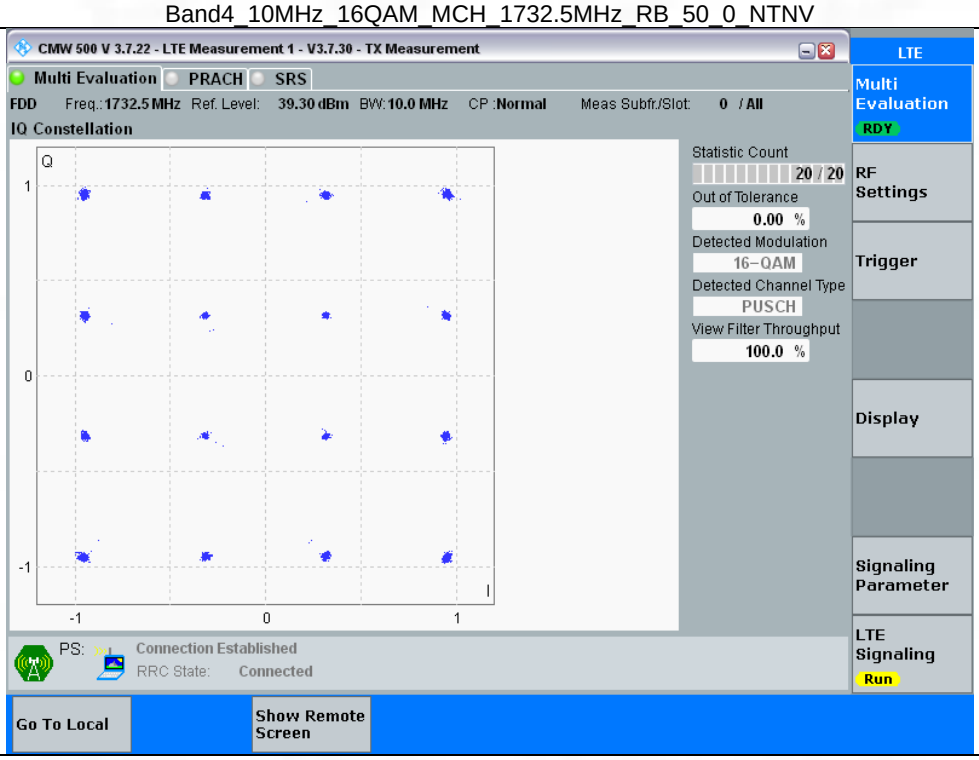
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

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



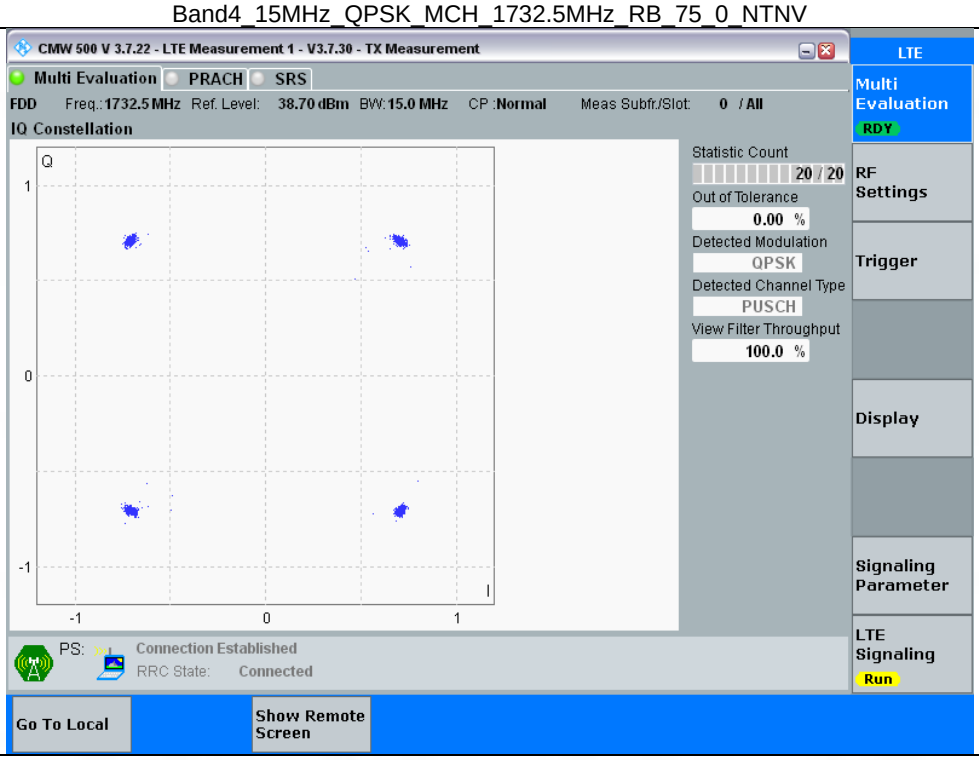
3.5 B4_15MHz

3.5.1 Test Result

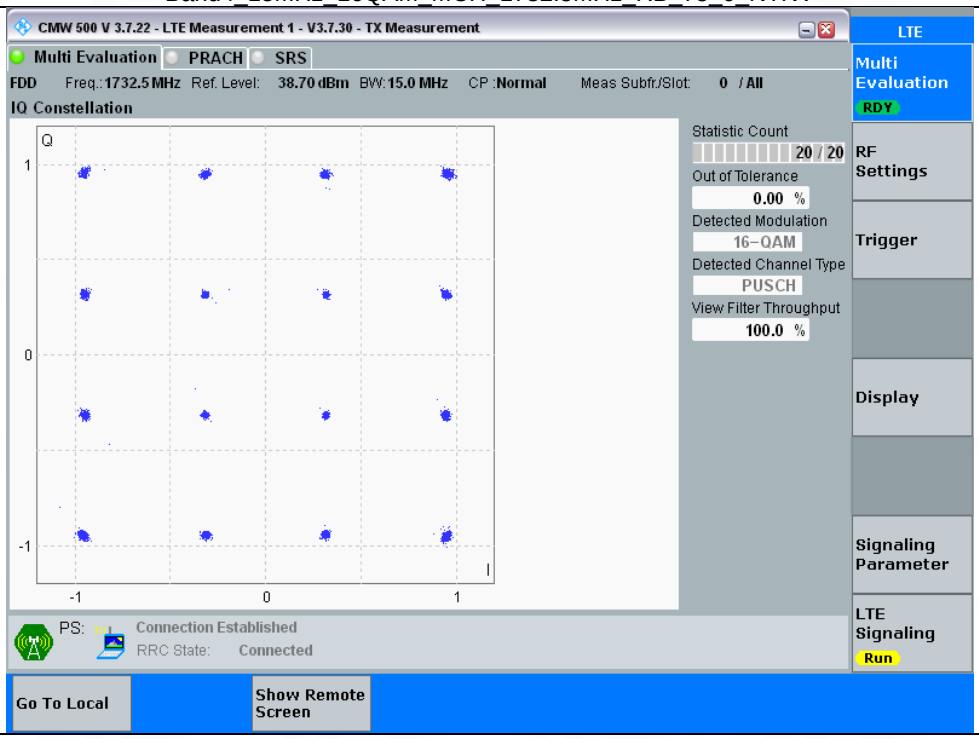
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

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



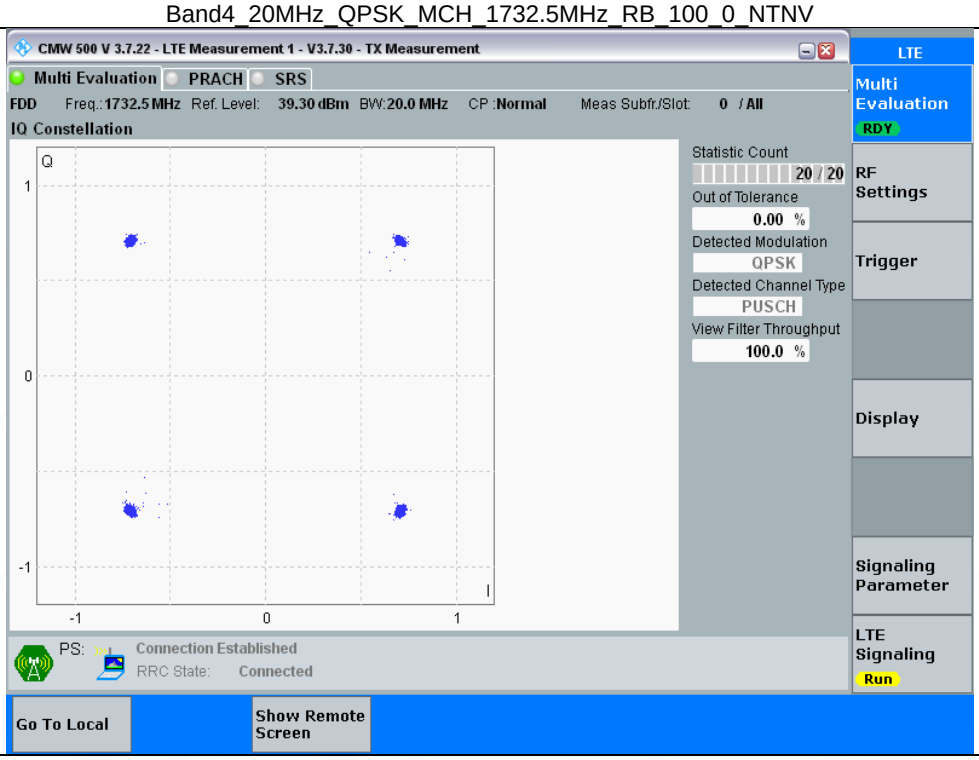
3.6 B4_20MHz

3.6.1 Test Result

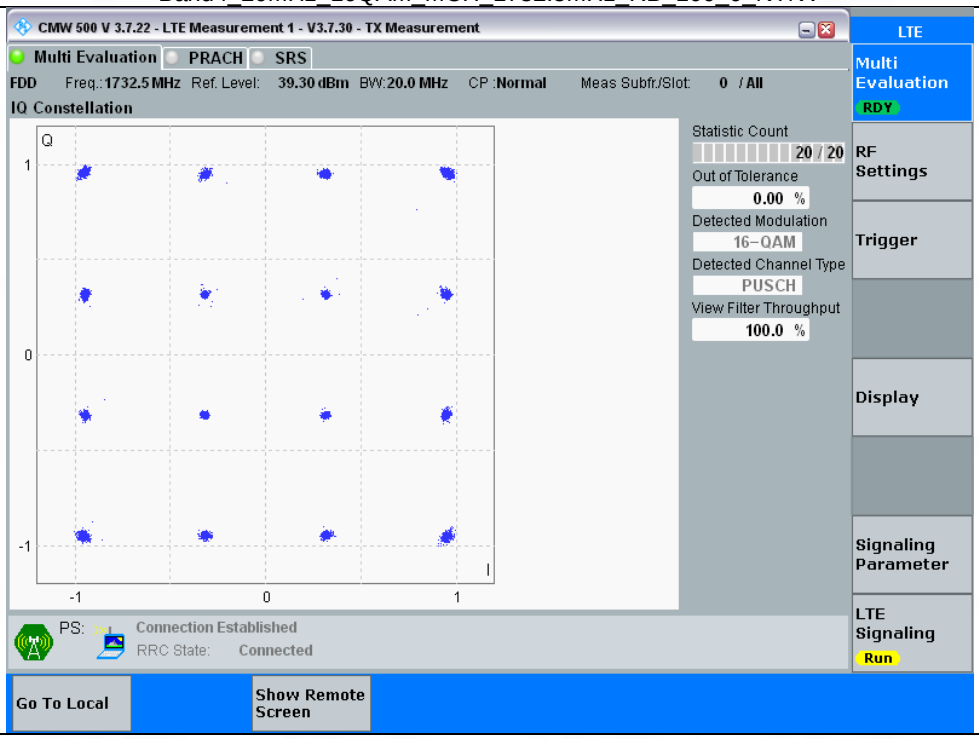
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

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

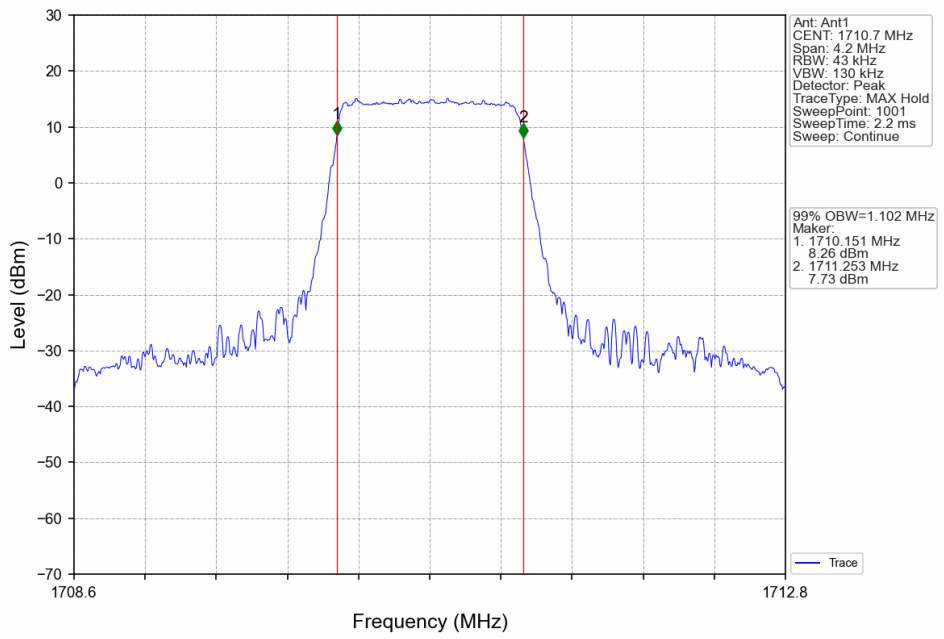
4.1 Band4_OBW

4.1.1 Test Result

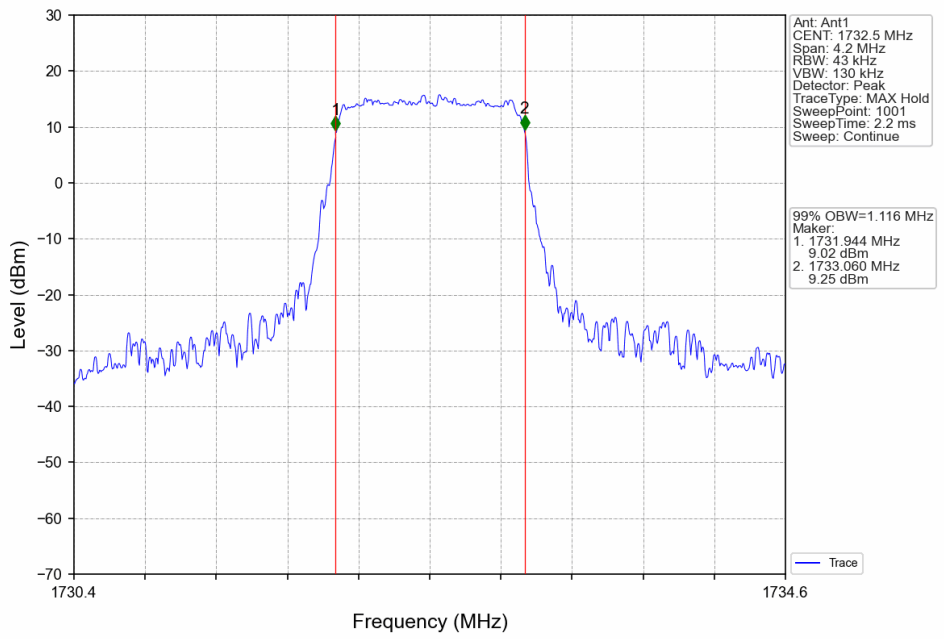
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.102	Pass
		1732.5	6	0	1.116	Pass
		1754.3	6	0	1.110	Pass
	16QAM	1710.7	6	0	1.115	Pass
		1732.5	6	0	1.115	Pass
		1754.3	6	0	1.108	Pass
3	QPSK	1711.5	15	0	2.731	Pass
		1732.5	15	0	2.732	Pass
		1753.5	15	0	2.718	Pass
	16QAM	1711.5	15	0	2.716	Pass
		1732.5	15	0	2.717	Pass
		1753.5	15	0	2.716	Pass
5	QPSK	1712.5	25	0	4.561	Pass
		1732.5	25	0	4.564	Pass
		1752.5	25	0	4.570	Pass
	16QAM	1712.5	25	0	4.609	Pass
		1732.5	25	0	4.596	Pass
		1752.5	25	0	4.589	Pass
10	QPSK	1715	50	0	9.106	Pass
		1732.5	50	0	9.066	Pass
		1750	50	0	9.084	Pass
	16QAM	1715	50	0	9.087	Pass
		1732.5	50	0	9.059	Pass
		1750	50	0	9.089	Pass
15	QPSK	1717.5	75	0	13.676	Pass
		1732.5	75	0	13.612	Pass
		1747.5	75	0	13.659	Pass
	16QAM	1717.5	75	0	13.660	Pass
		1732.5	75	0	13.599	Pass
		1747.5	75	0	13.610	Pass
20	QPSK	1720	100	0	18.181	Pass
		1732.5	100	0	18.163	Pass
		1745	100	0	18.192	Pass
	16QAM	1720	100	0	18.193	Pass
		1732.5	100	0	18.138	Pass
		1745	100	0	18.180	Pass

4.1.2 Test Graph

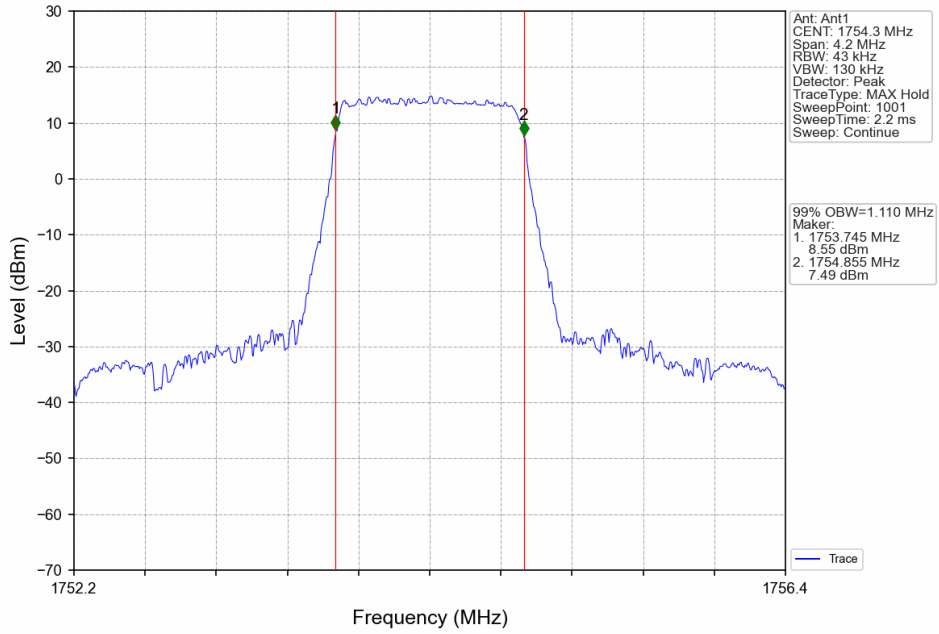
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



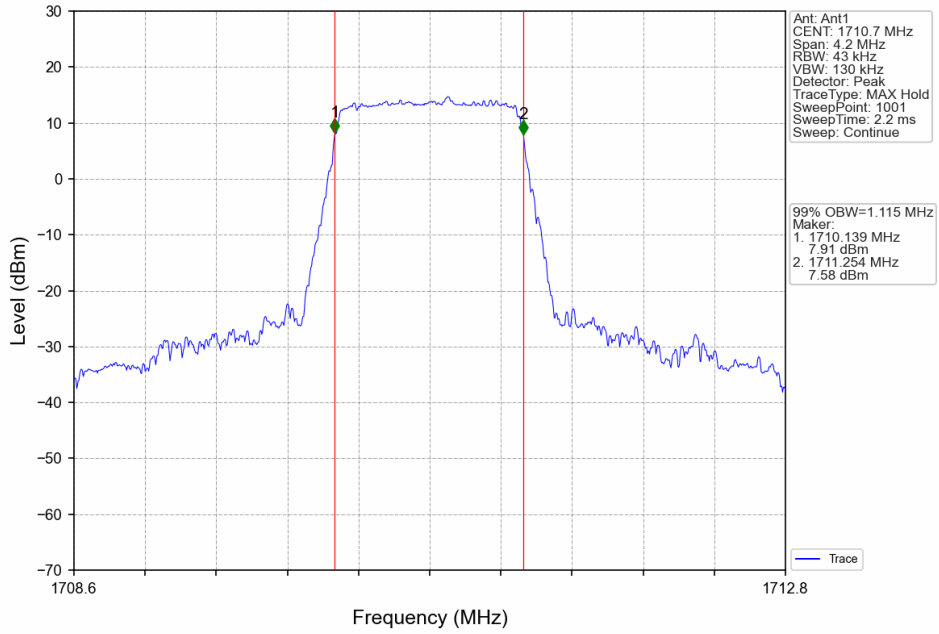
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



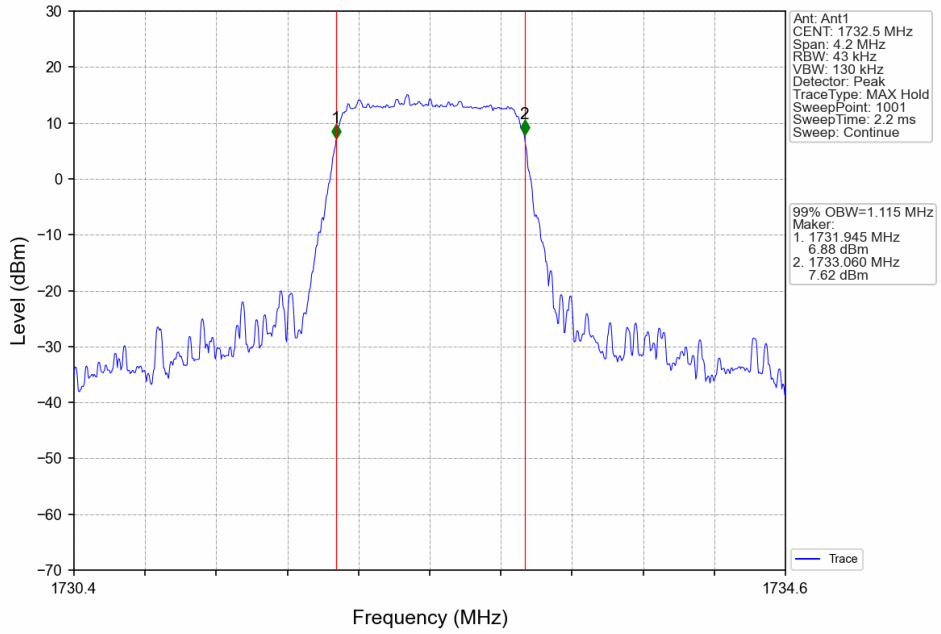
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



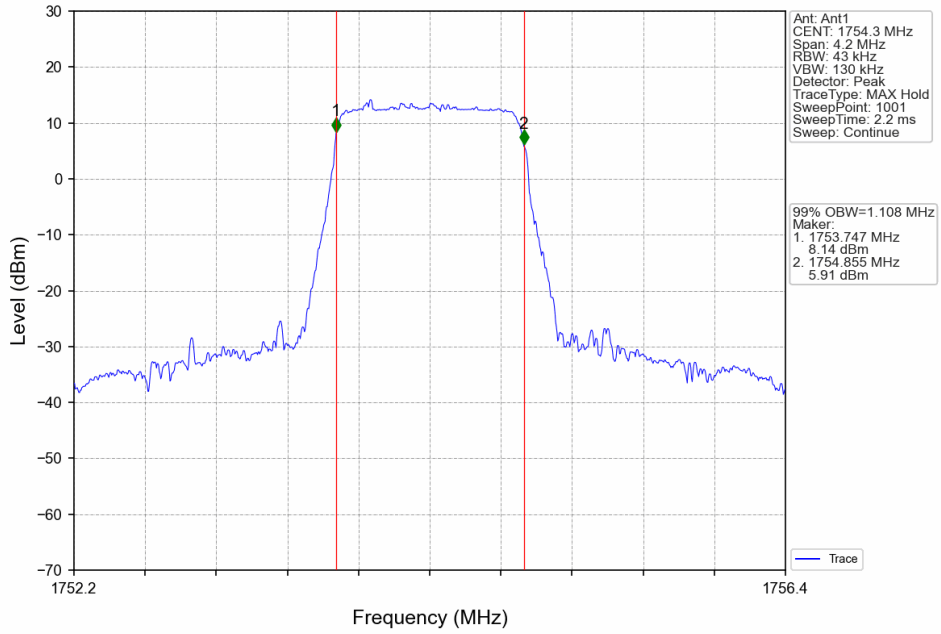
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



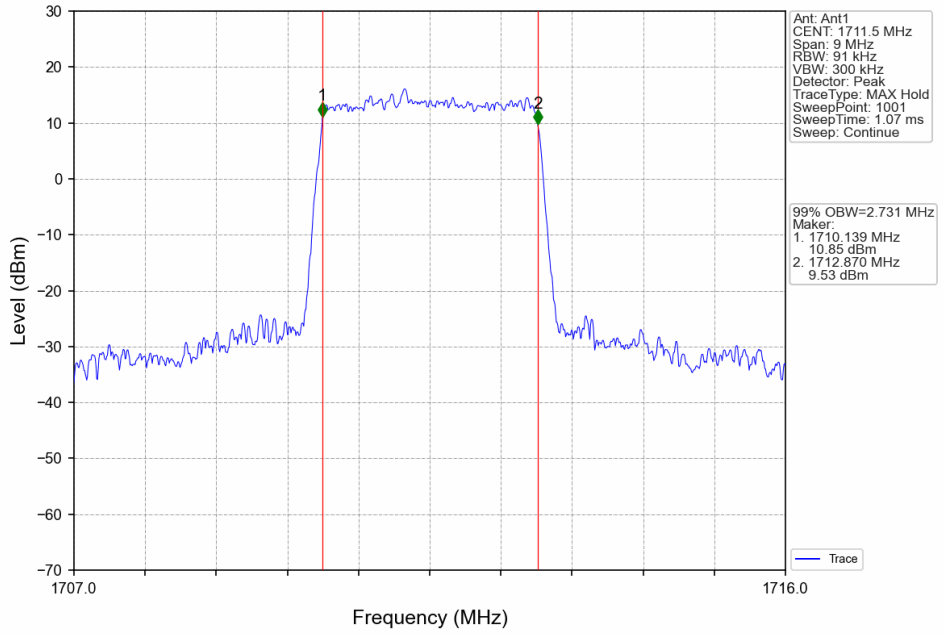
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



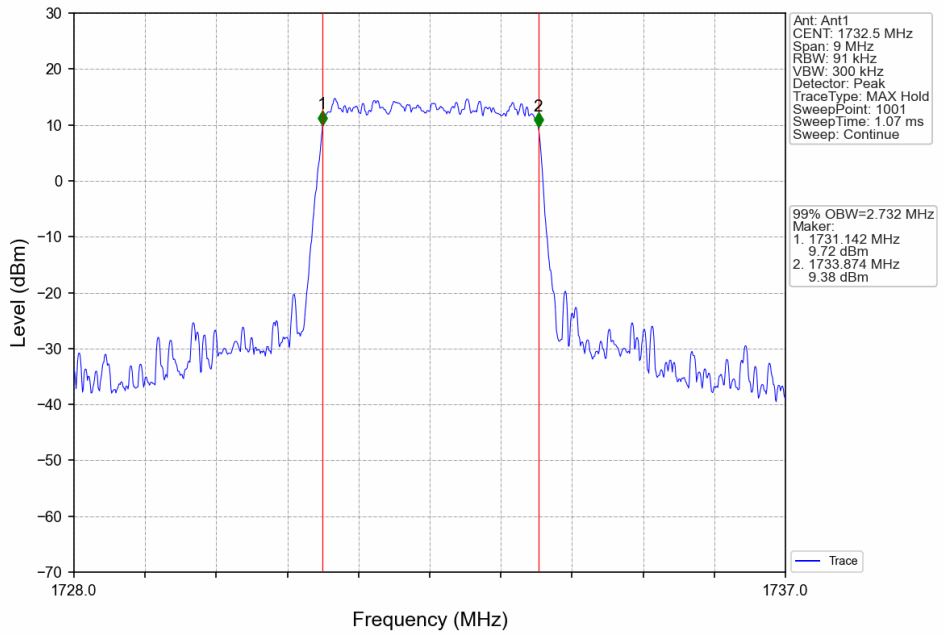
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



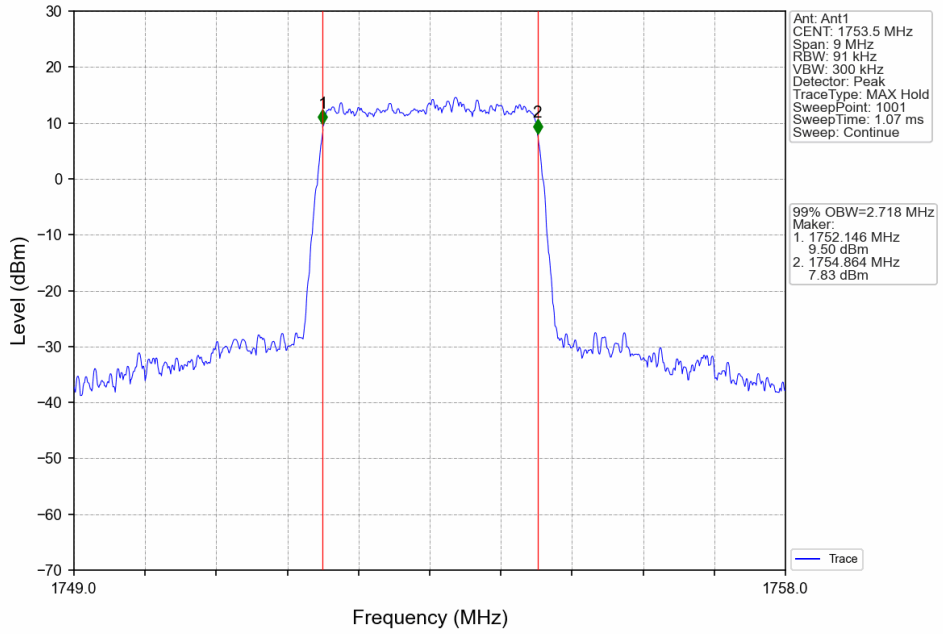
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



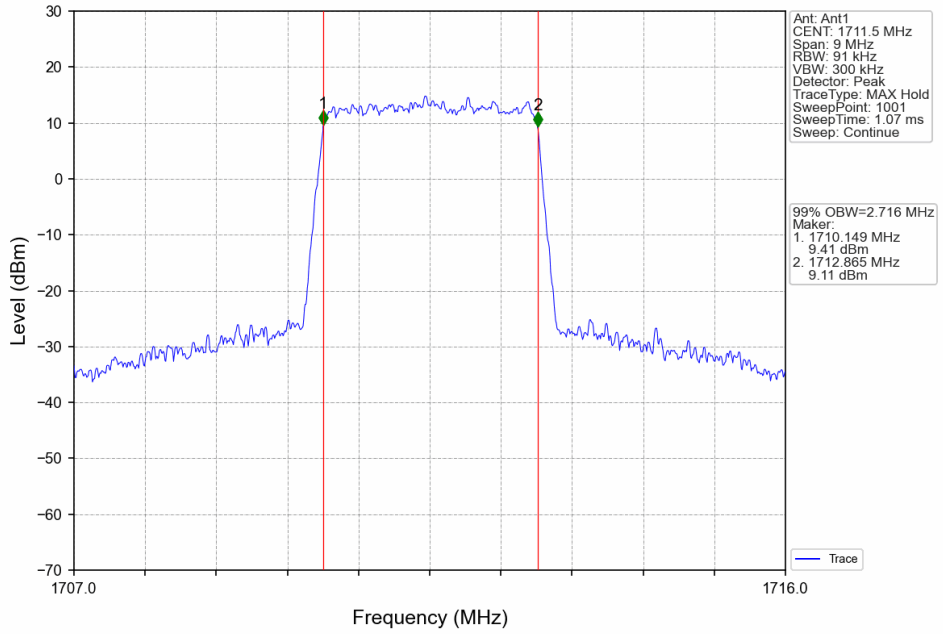
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



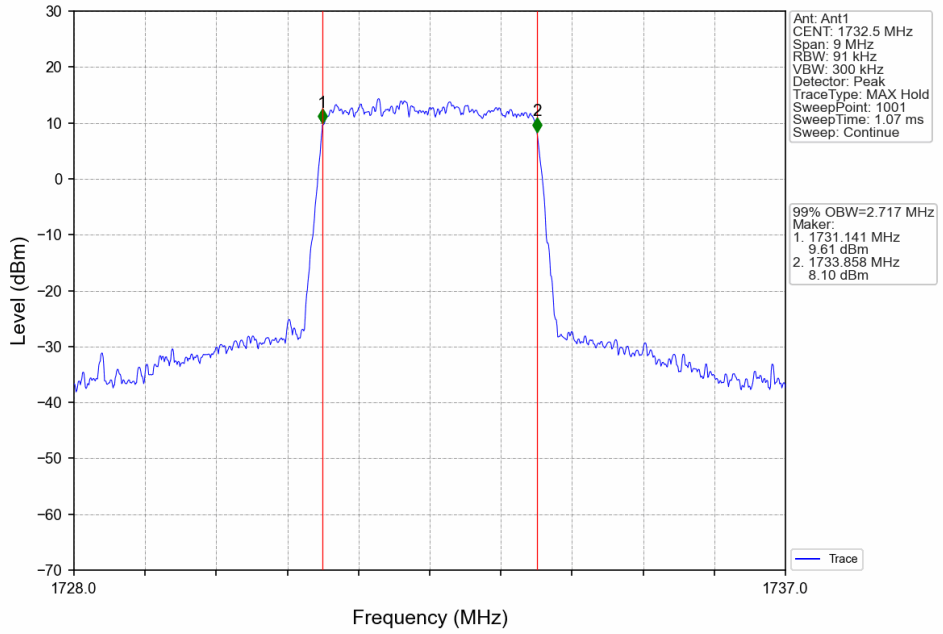
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



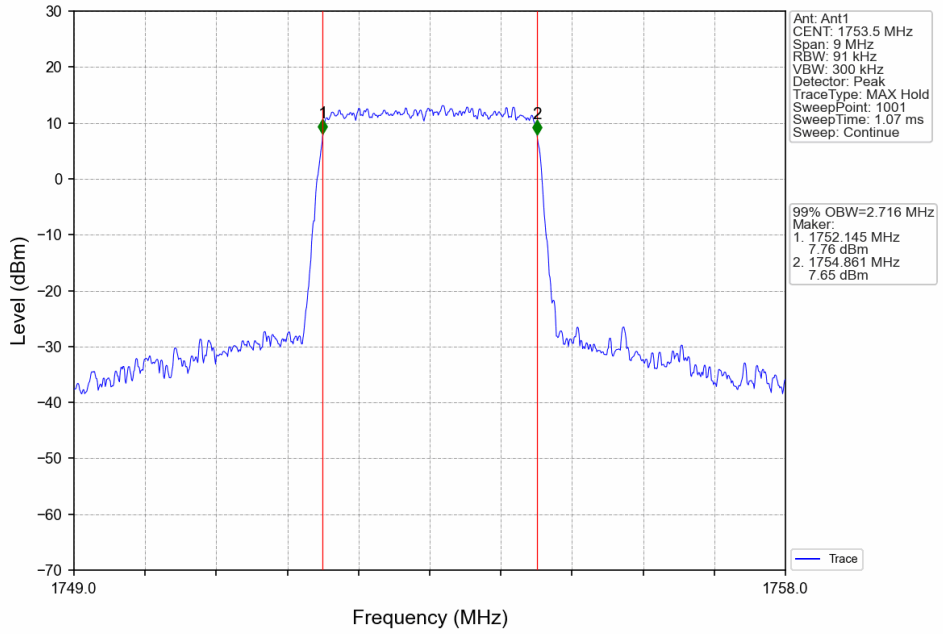
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



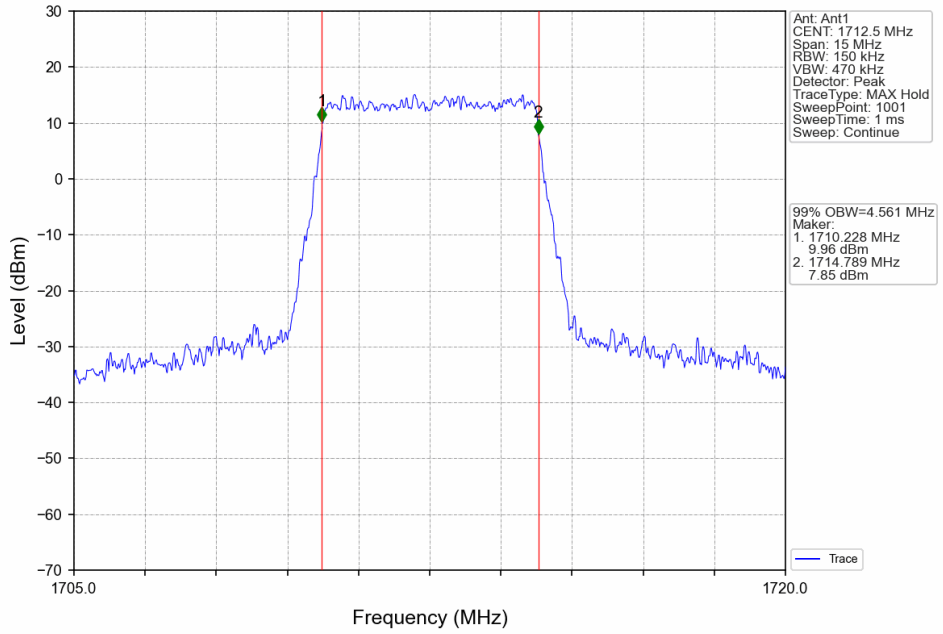
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



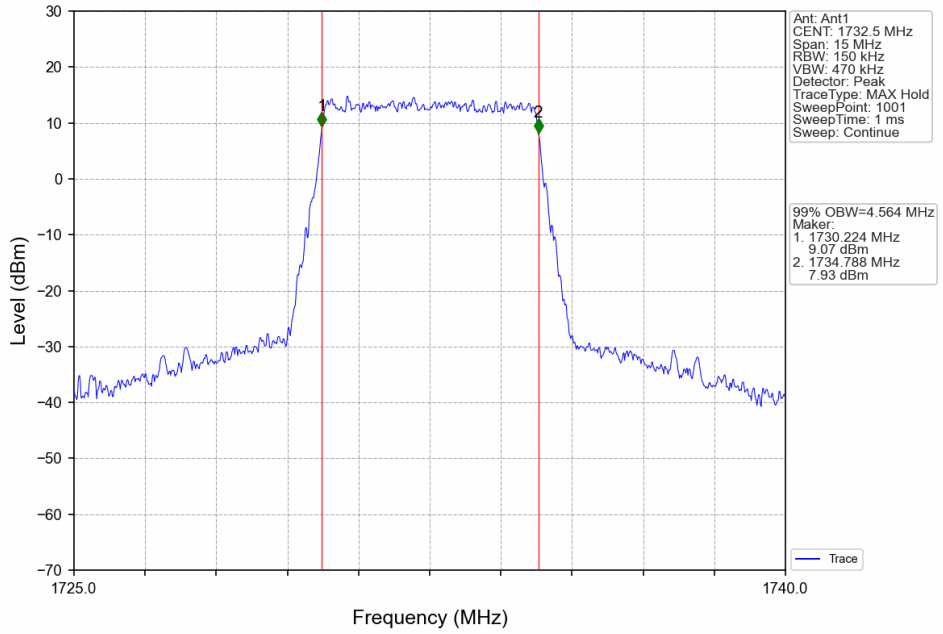
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



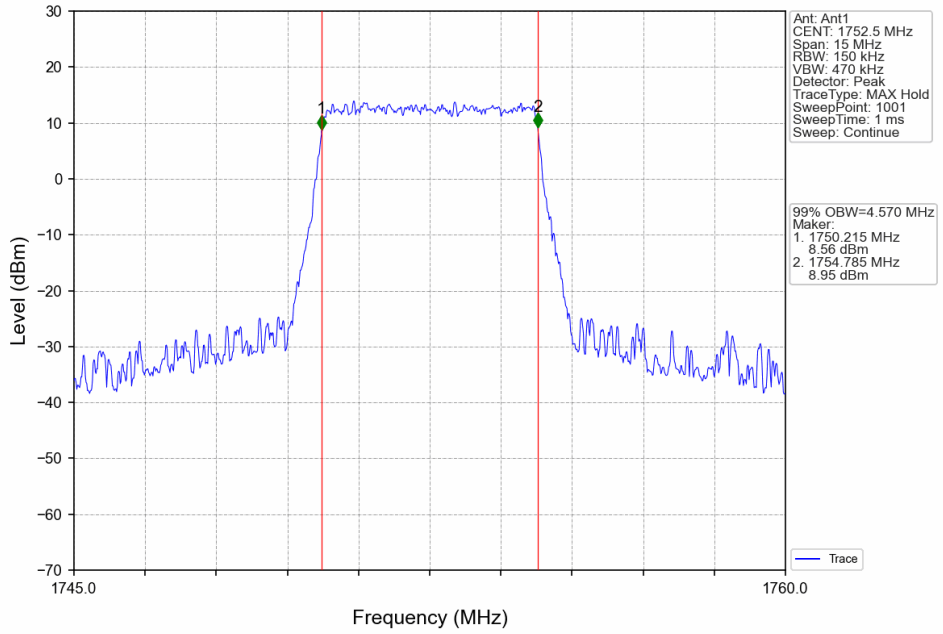
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



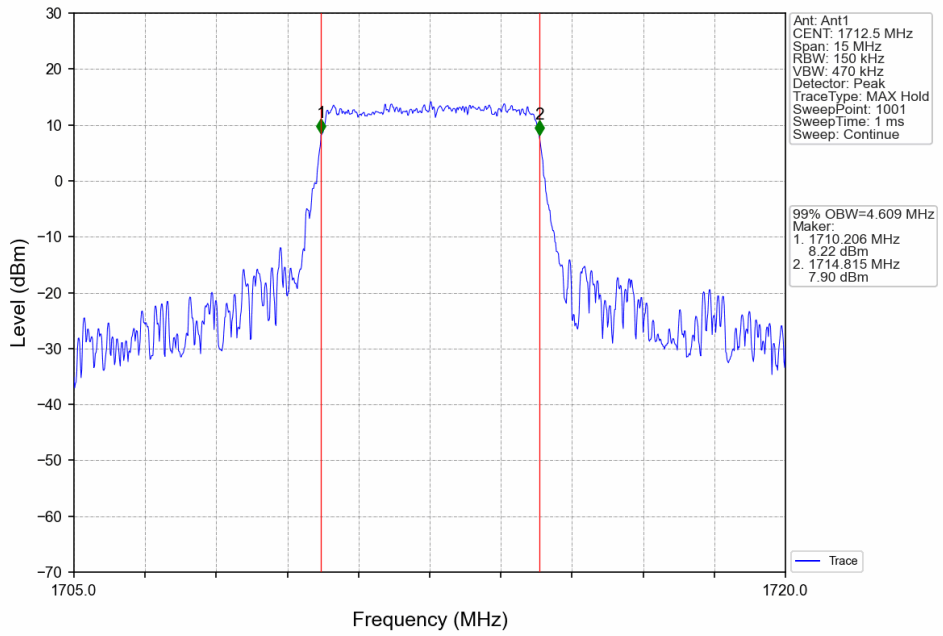
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



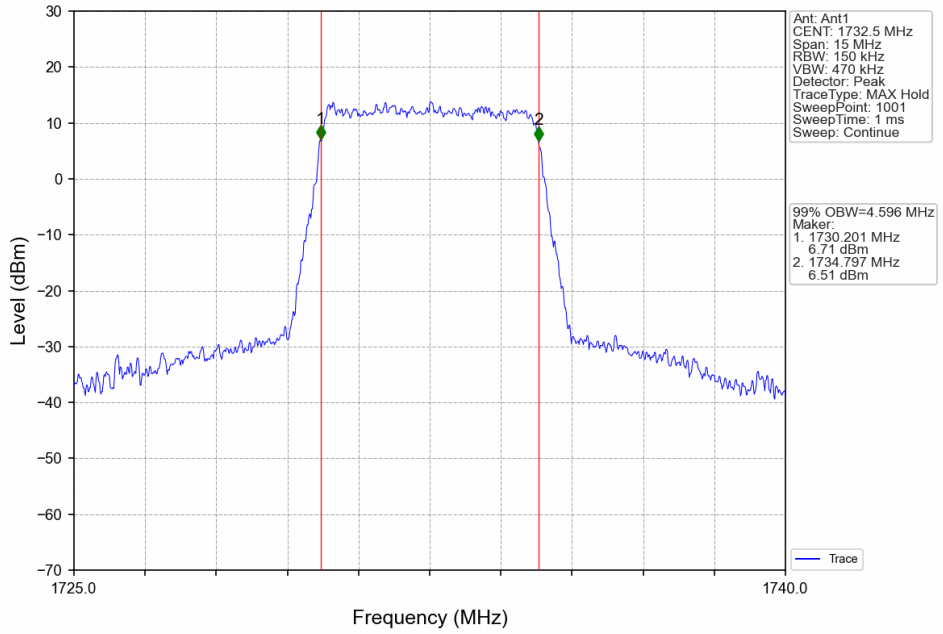
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



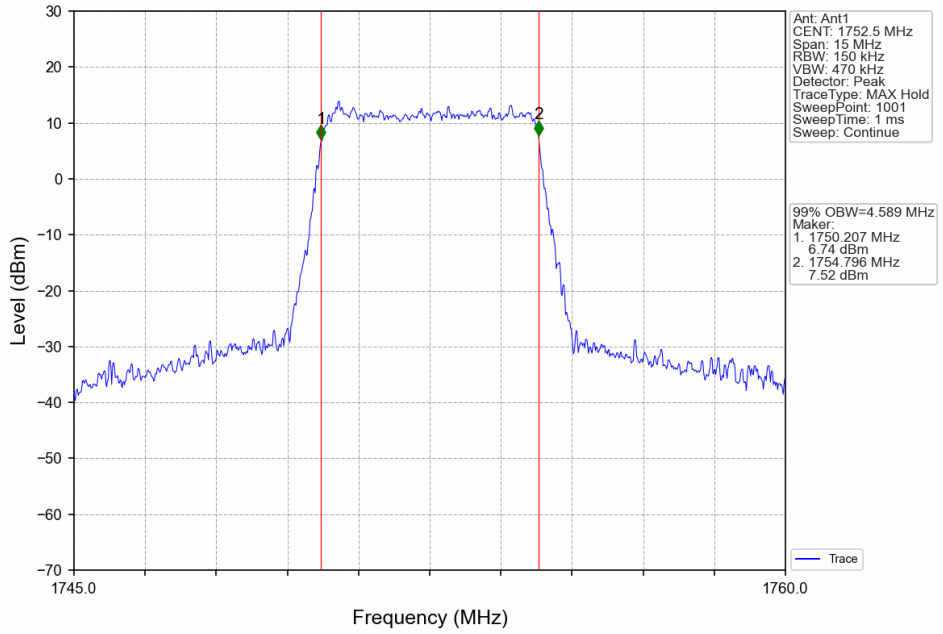
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



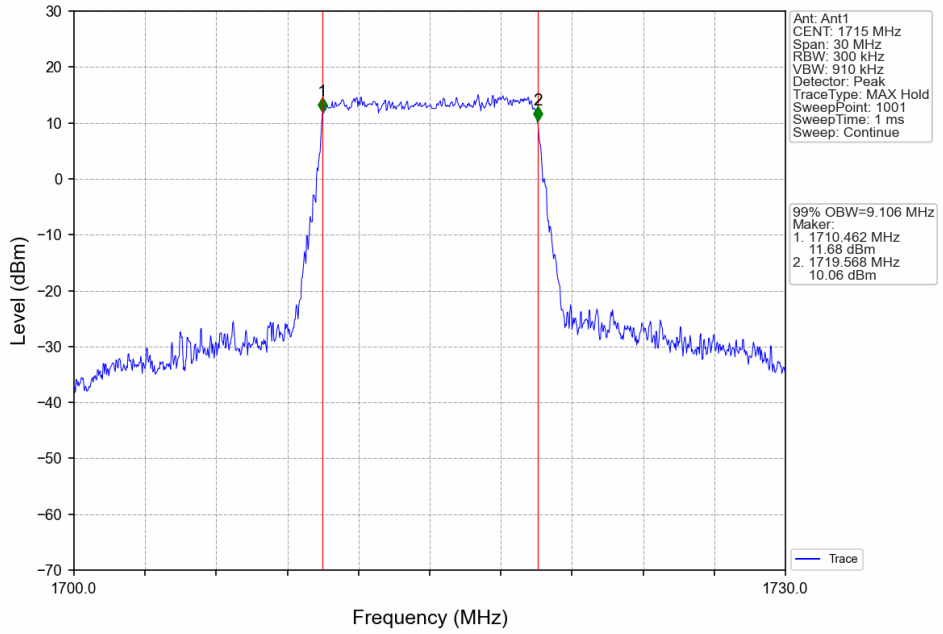
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



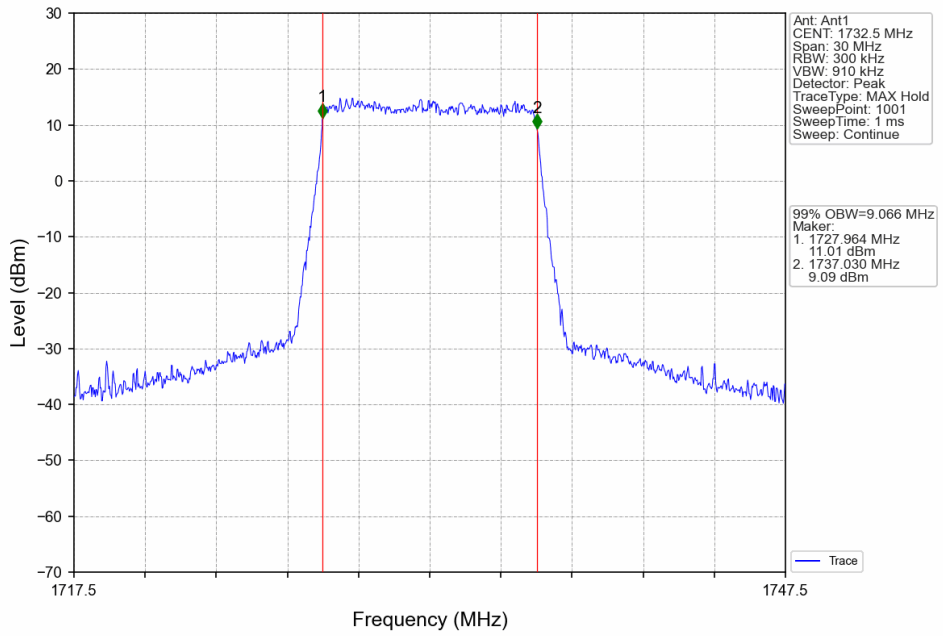
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



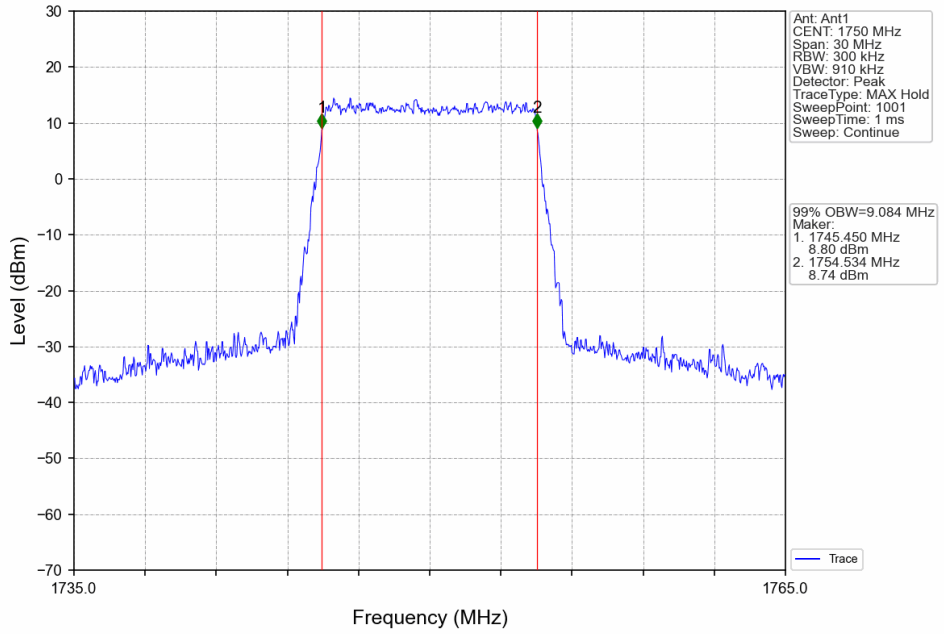
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



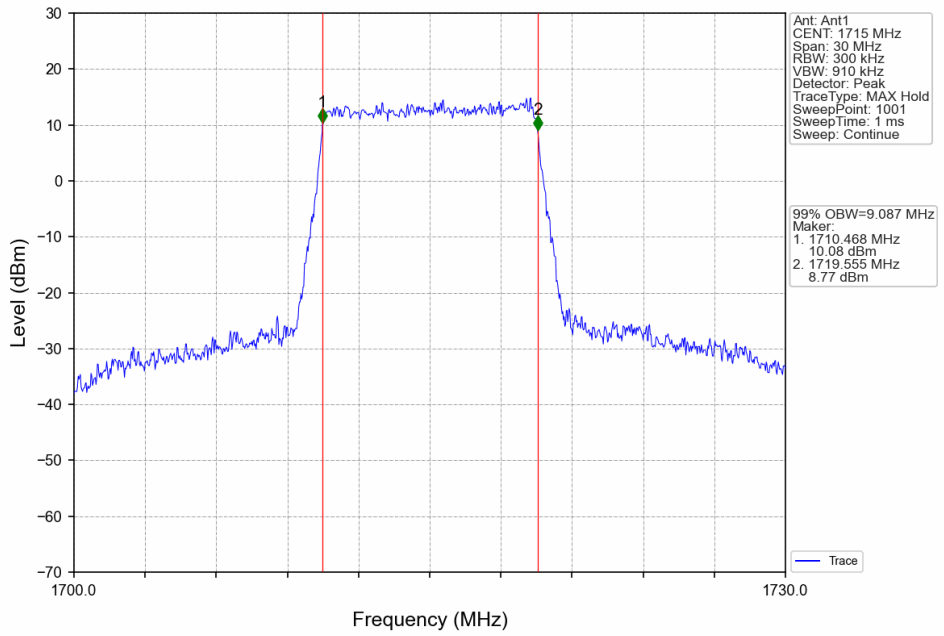
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



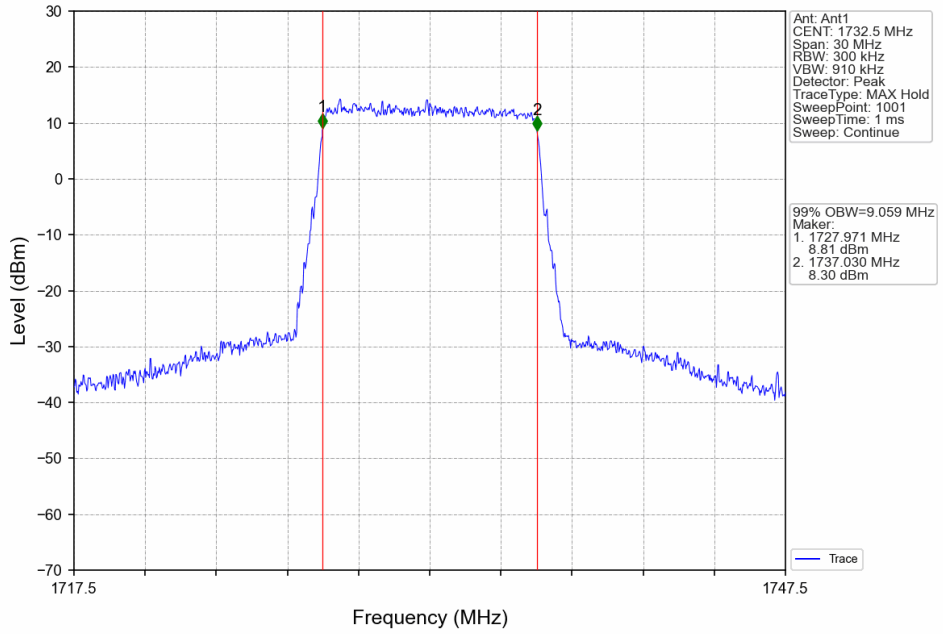
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



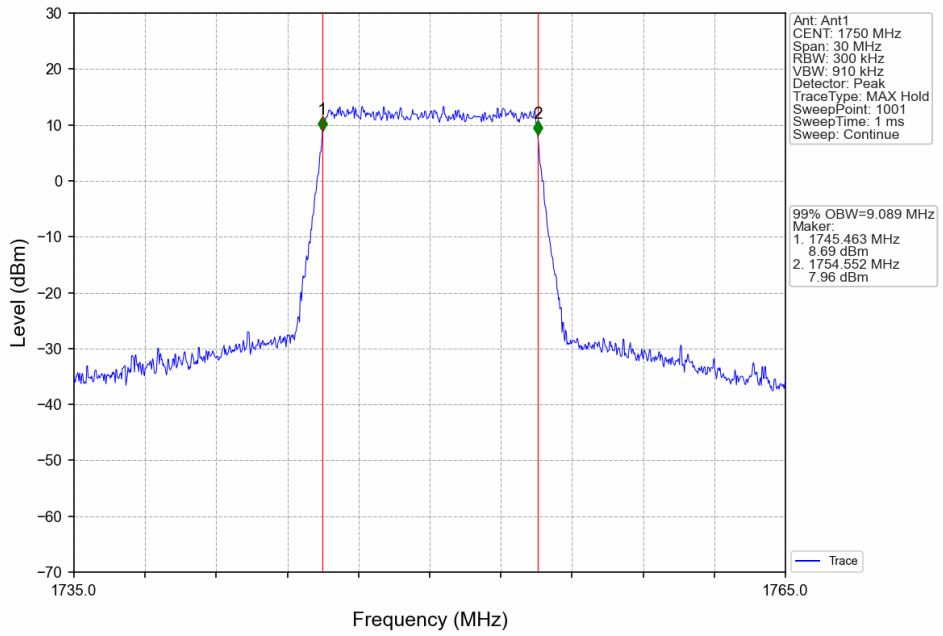
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



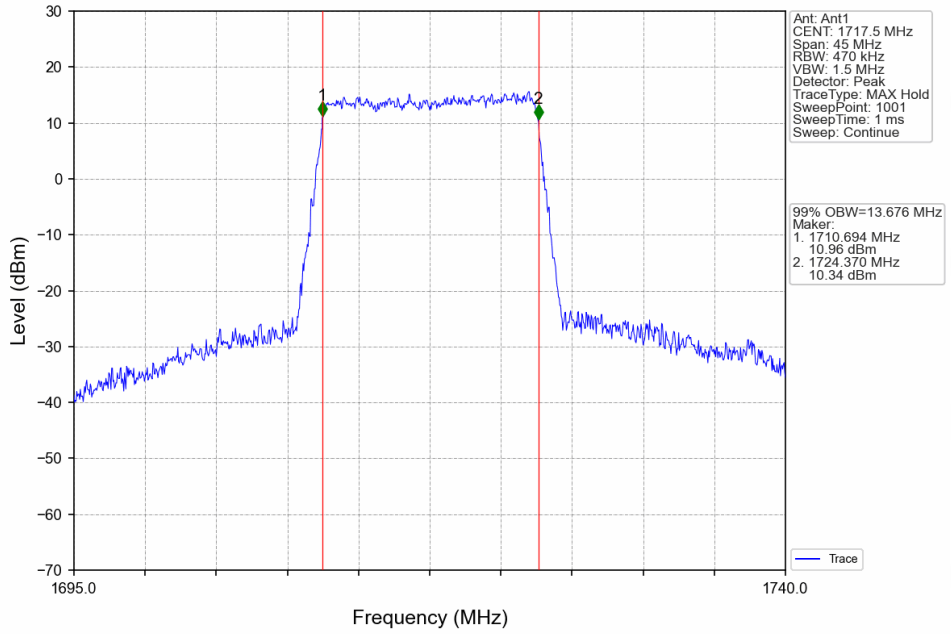
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



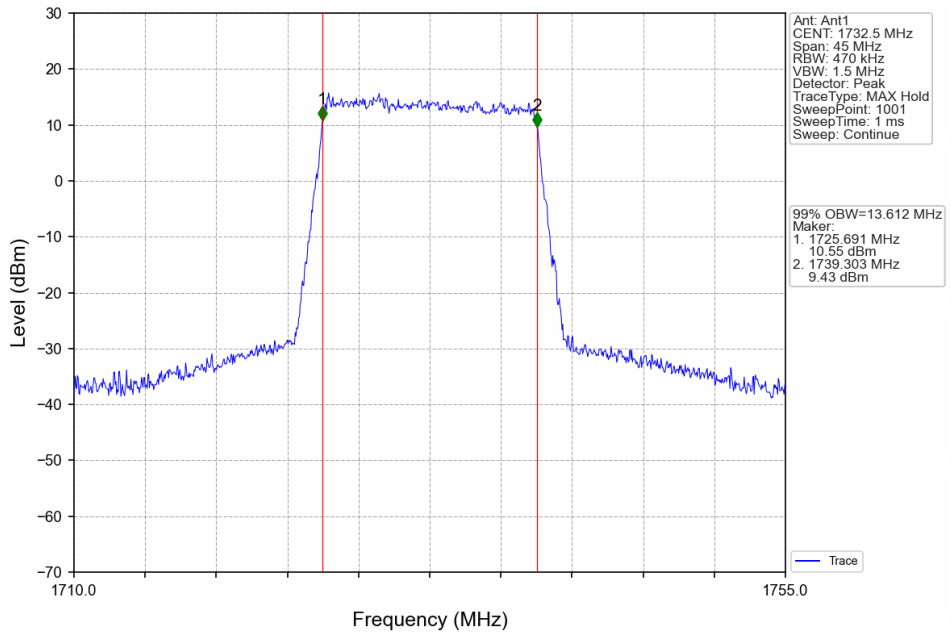
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



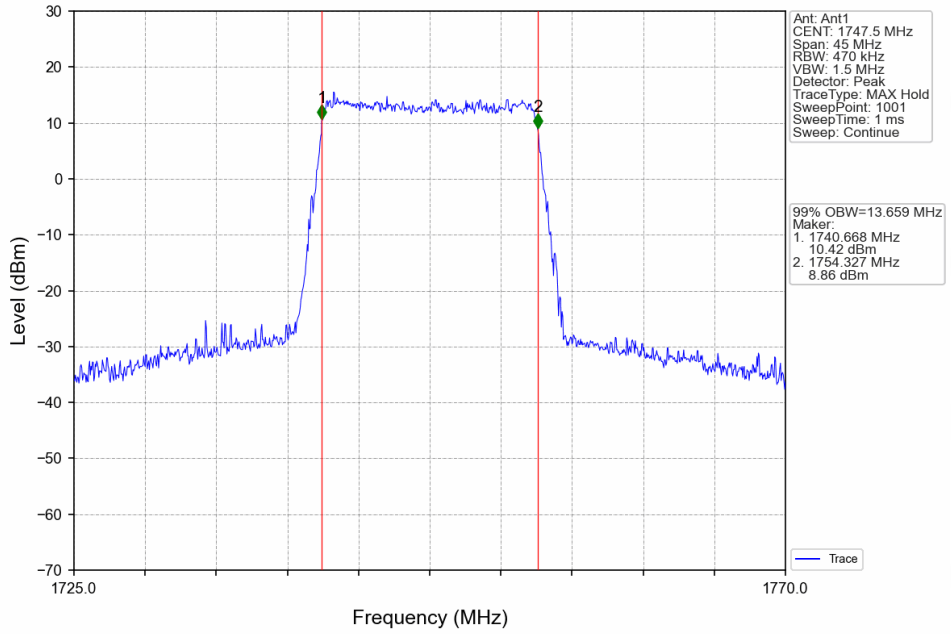
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



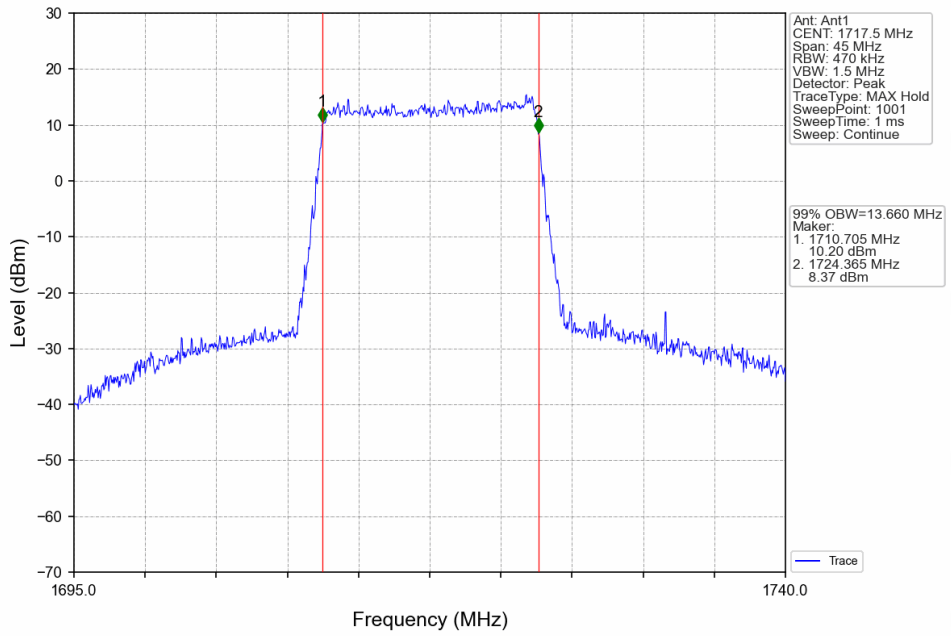
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



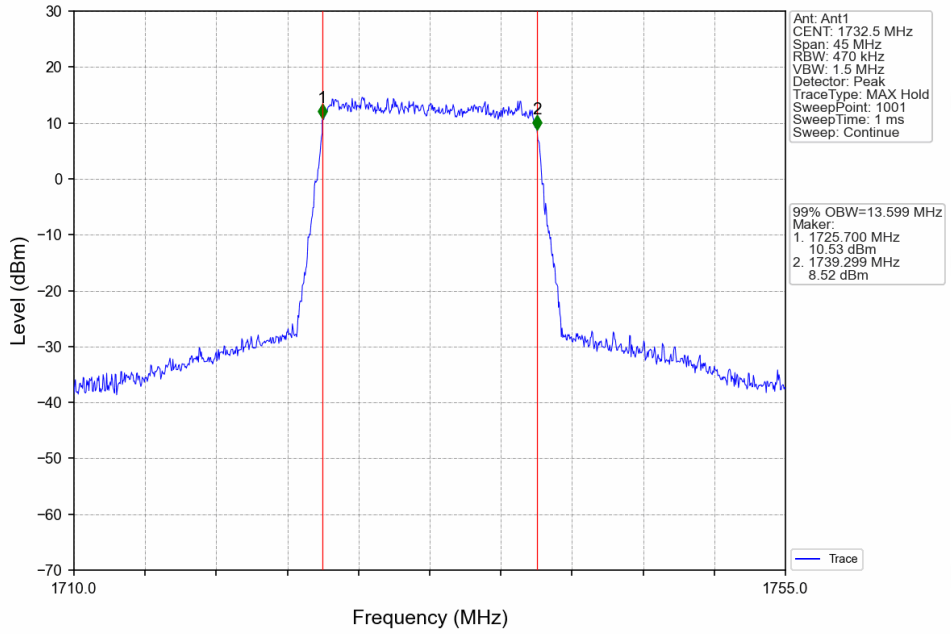
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



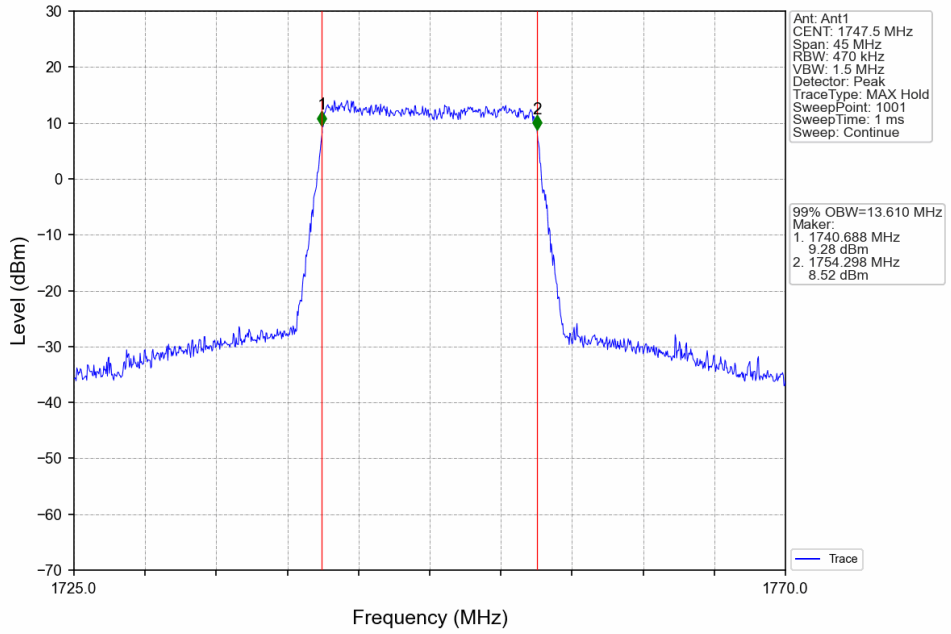
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



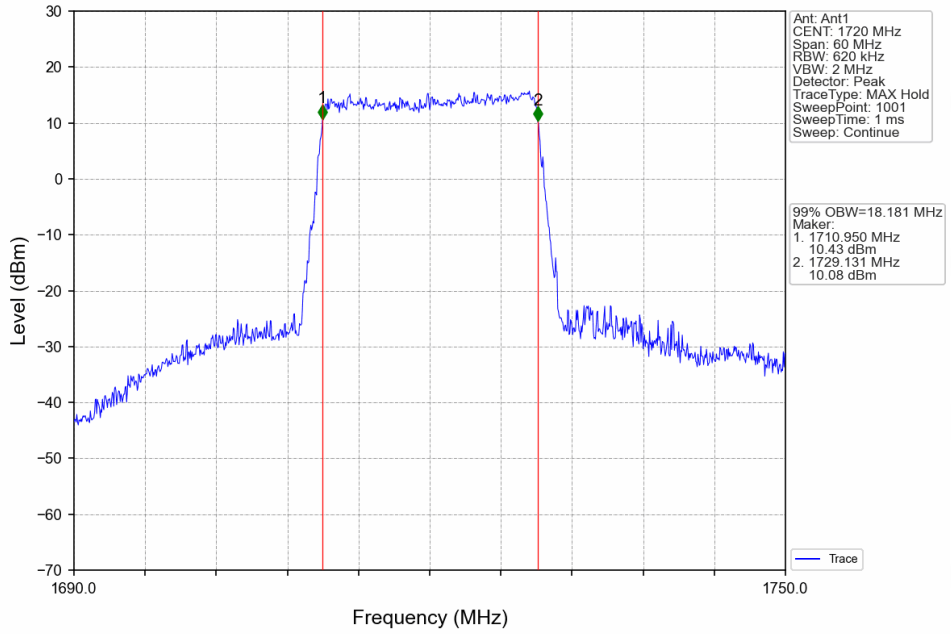
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



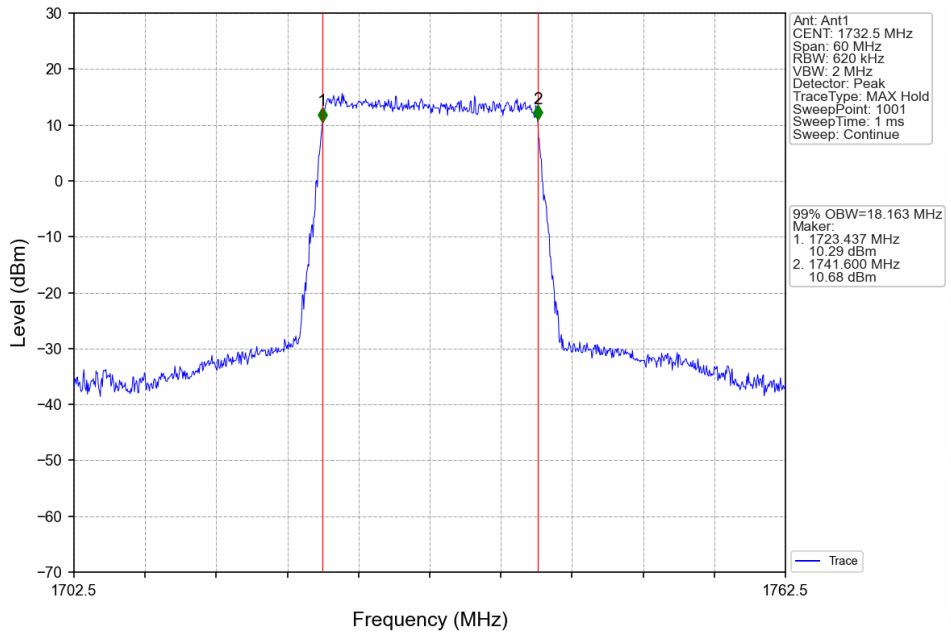
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



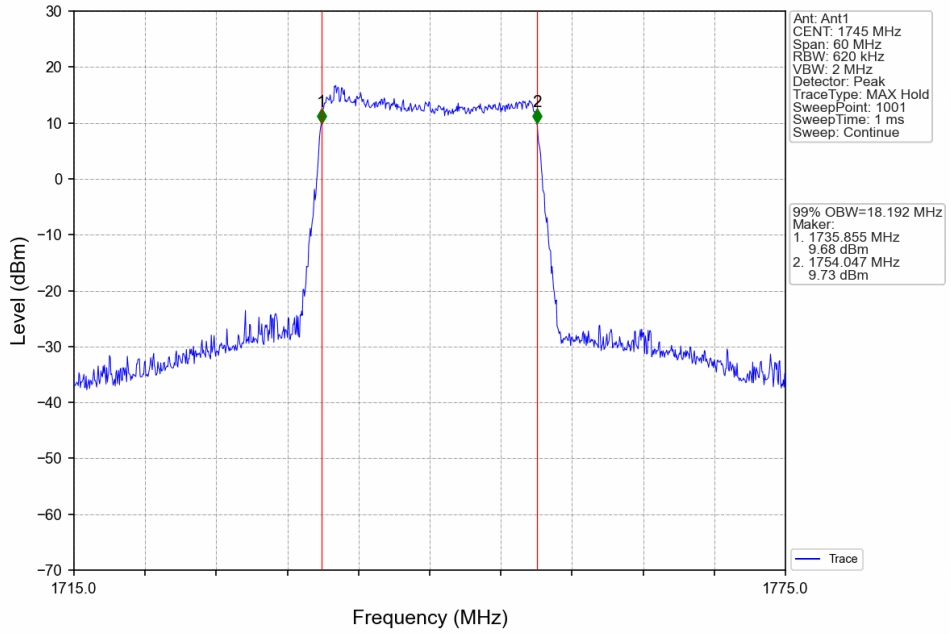
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



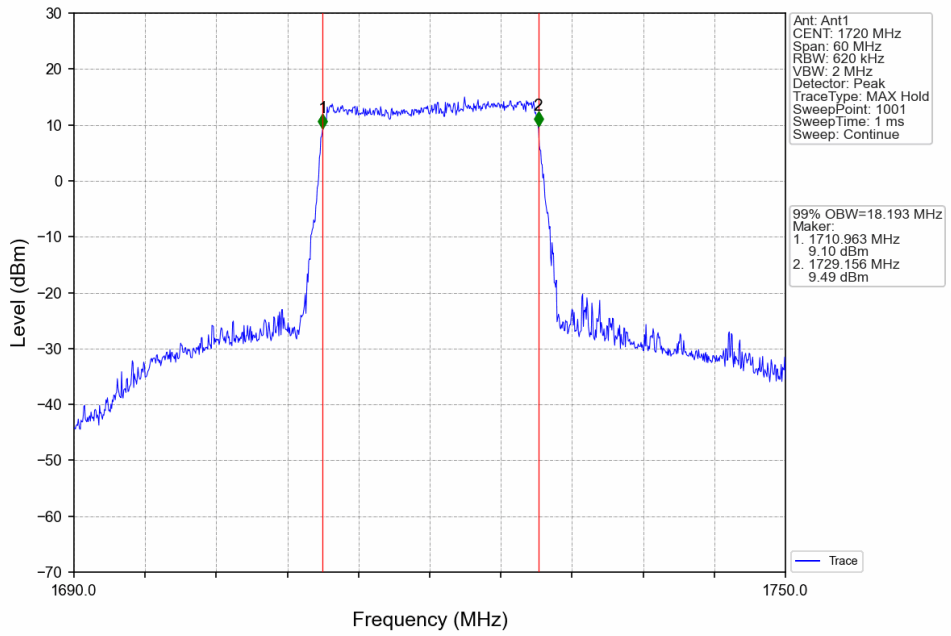
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



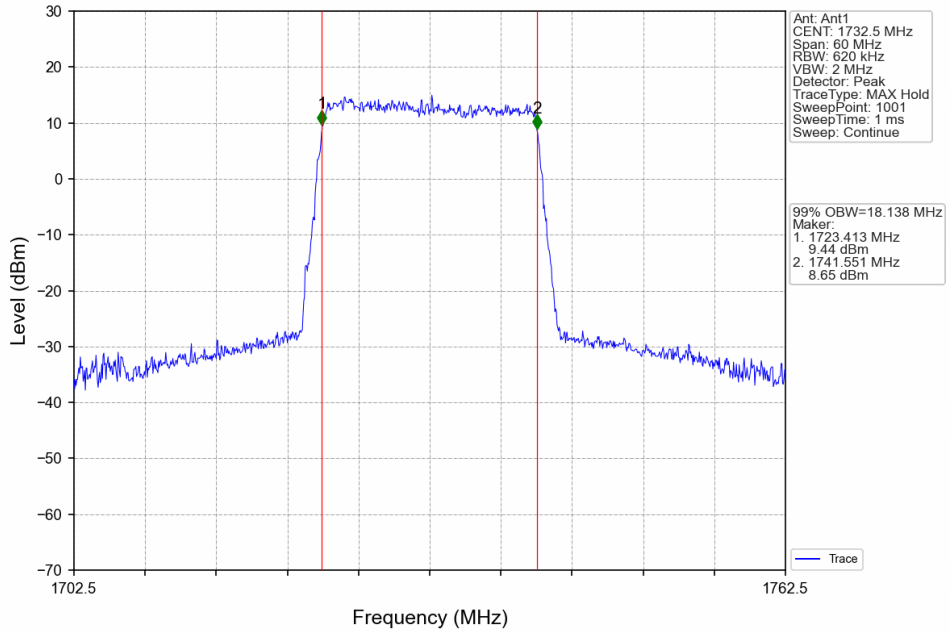
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



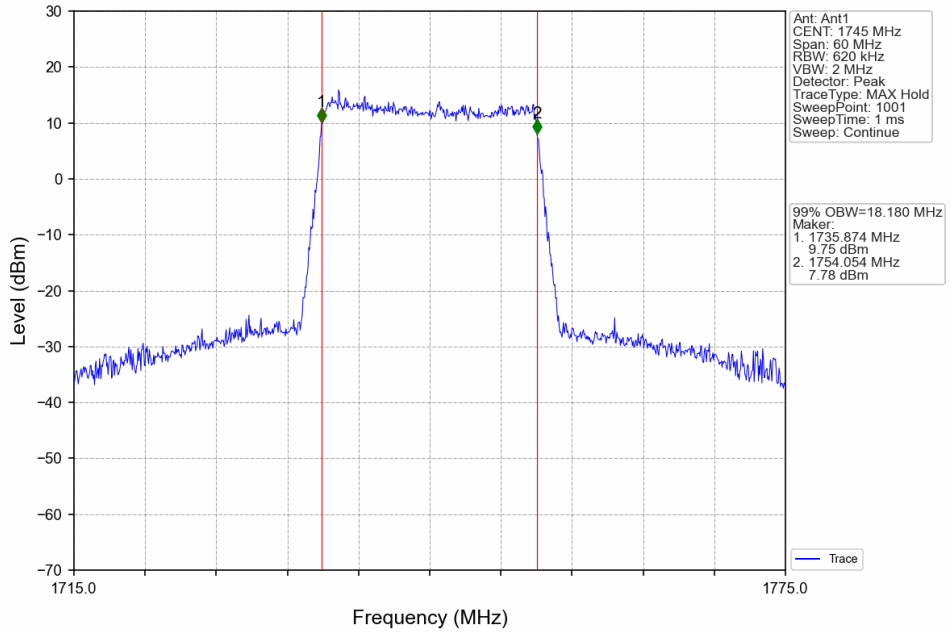
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



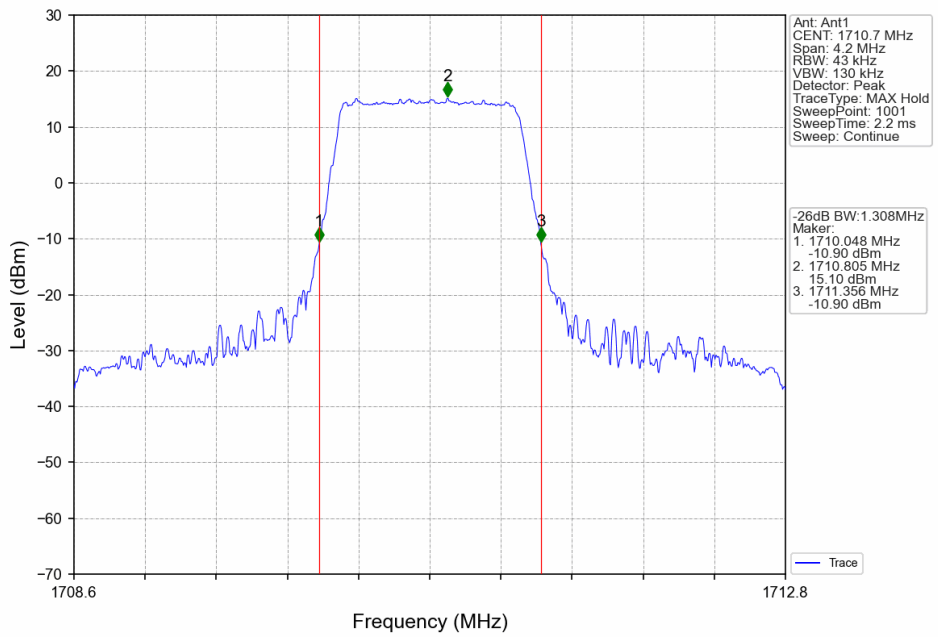
4.2 Band4_XDB

4.2.1 Test Result

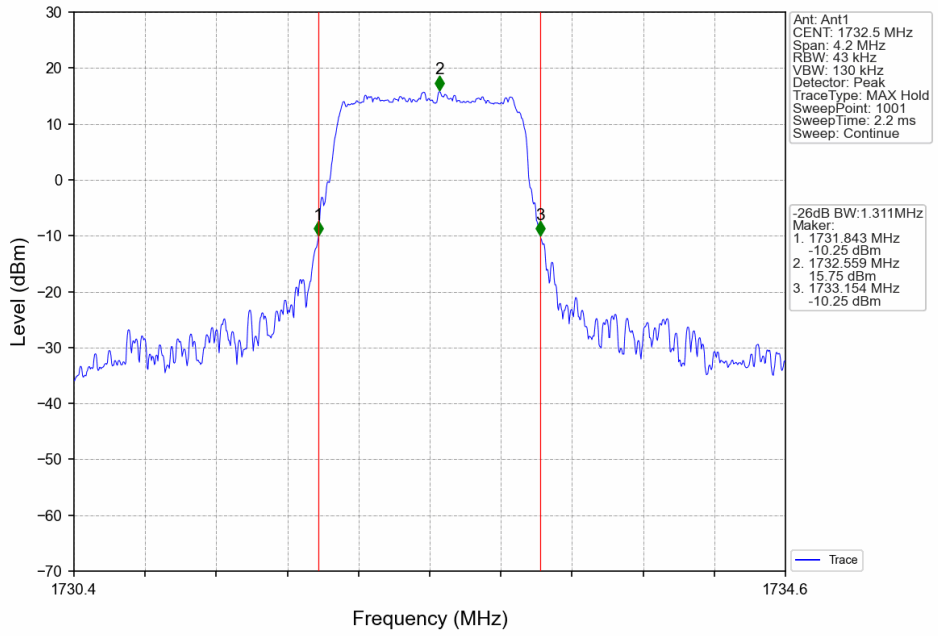
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.308	Pass
		1732.5	6	0	1.311	Pass
		1754.3	6	0	1.299	Pass
	16QAM	1710.7	6	0	1.336	Pass
		1732.5	6	0	1.319	Pass
		1754.3	6	0	1.298	Pass
3	QPSK	1711.5	15	0	2.986	Pass
		1732.5	15	0	2.994	Pass
		1753.5	15	0	2.997	Pass
	16QAM	1711.5	15	0	2.997	Pass
		1732.5	15	0	2.996	Pass
		1753.5	15	0	2.996	Pass
5	QPSK	1712.5	25	0	5.273	Pass
		1732.5	25	0	5.295	Pass
		1752.5	25	0	5.255	Pass
	16QAM	1712.5	25	0	5.301	Pass
		1732.5	25	0	5.312	Pass
		1752.5	25	0	5.216	Pass
10	QPSK	1715	50	0	10.347	Pass
		1732.5	50	0	10.208	Pass
		1750	50	0	10.262	Pass
	16QAM	1715	50	0	10.312	Pass
		1732.5	50	0	10.179	Pass
		1750	50	0	10.237	Pass
15	QPSK	1717.5	75	0	15.345	Pass
		1732.5	75	0	15.228	Pass
		1747.5	75	0	15.354	Pass
	16QAM	1717.5	75	0	15.224	Pass
		1732.5	75	0	15.383	Pass
		1747.5	75	0	15.368	Pass
20	QPSK	1720	100	0	20.256	Pass
		1732.5	100	0	20.253	Pass
		1745	100	0	20.074	Pass
	16QAM	1720	100	0	20.224	Pass
		1732.5	100	0	19.947	Pass
		1745	100	0	20.111	Pass

4.2.2 Test Graph

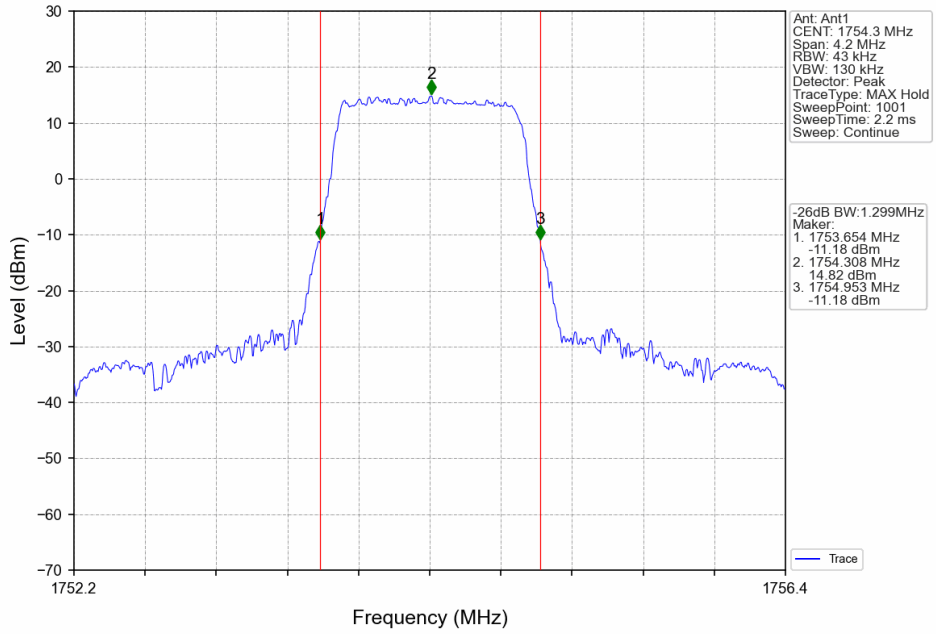
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



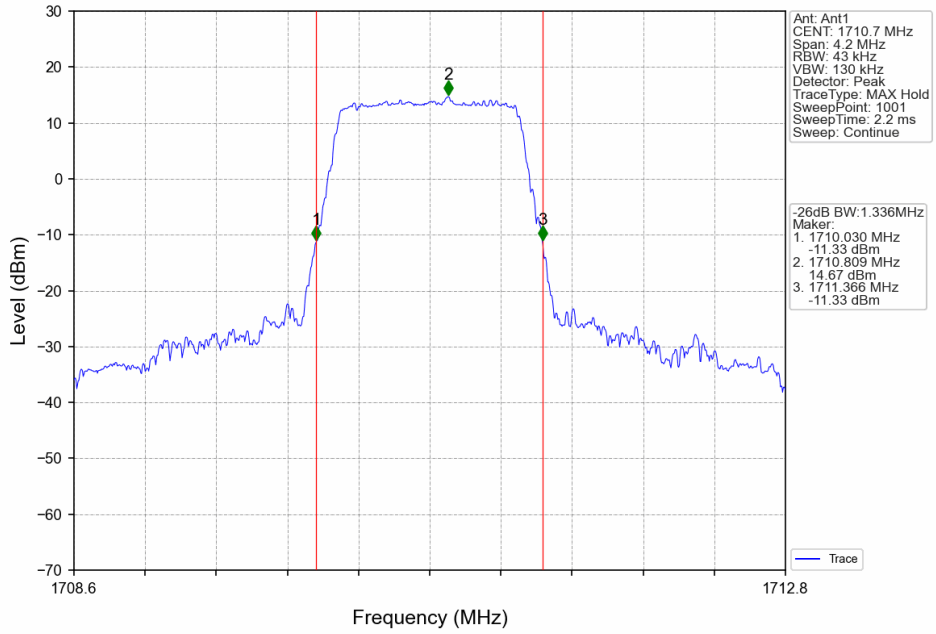
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



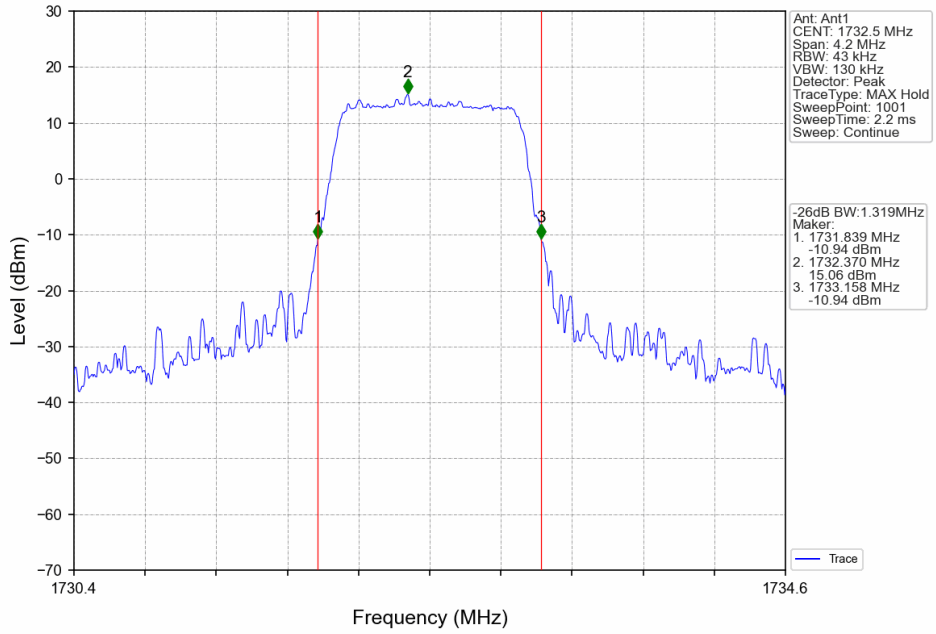
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



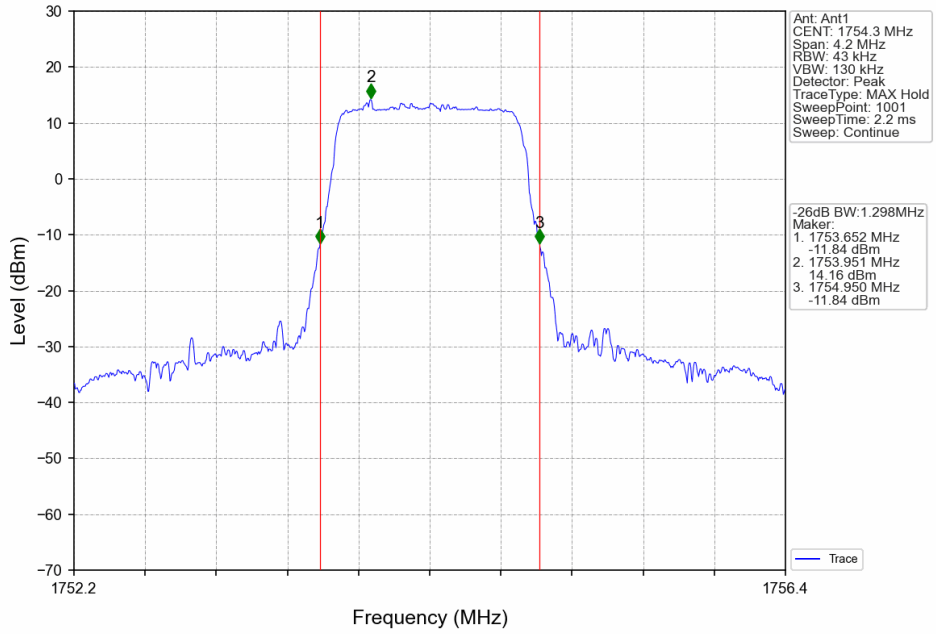
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



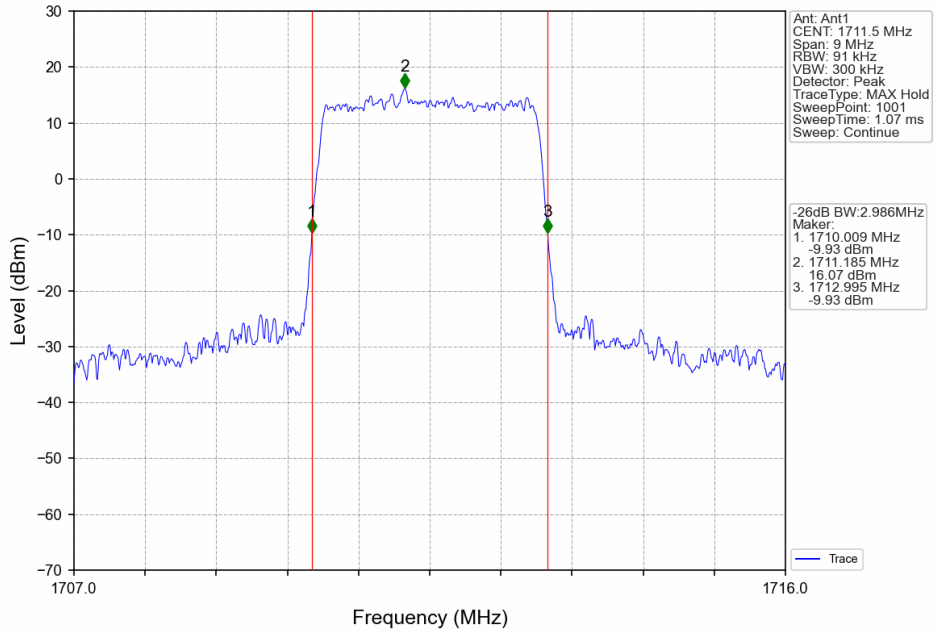
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



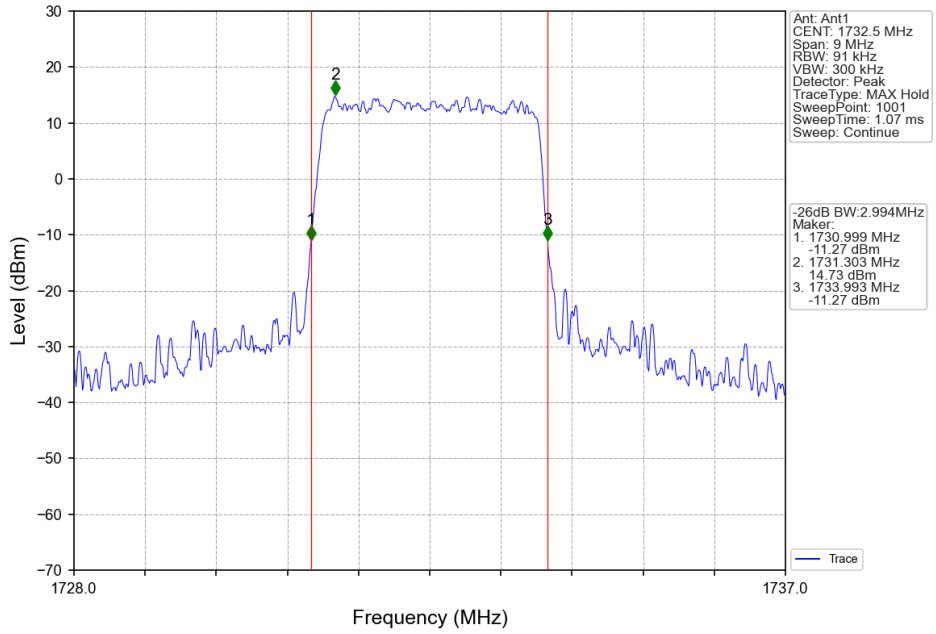
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



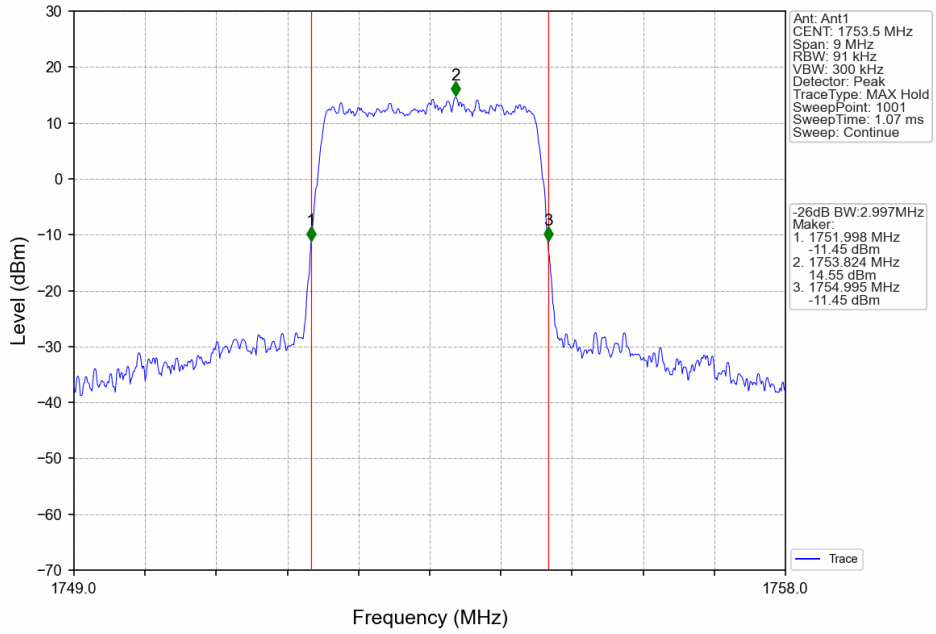
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



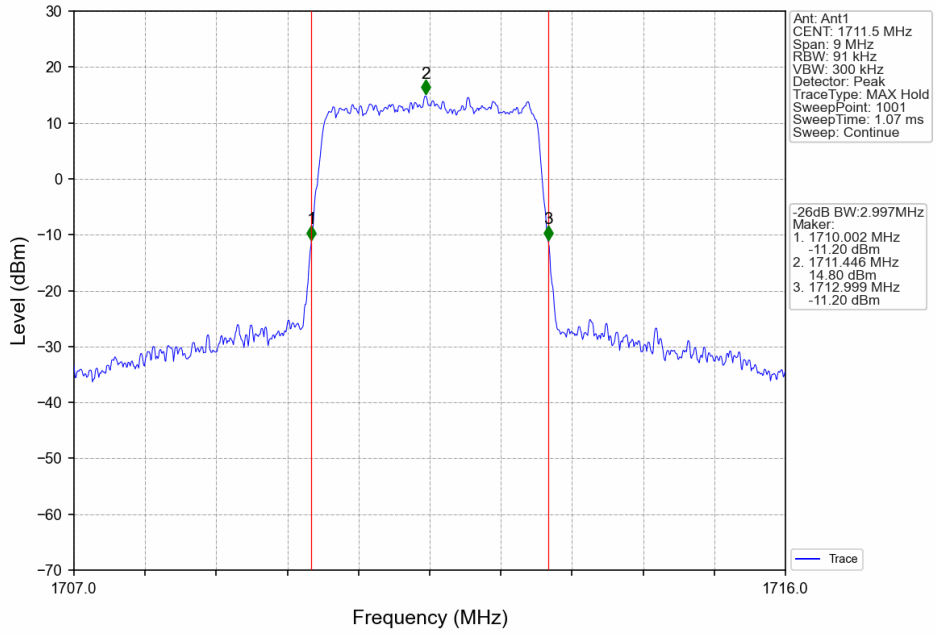
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



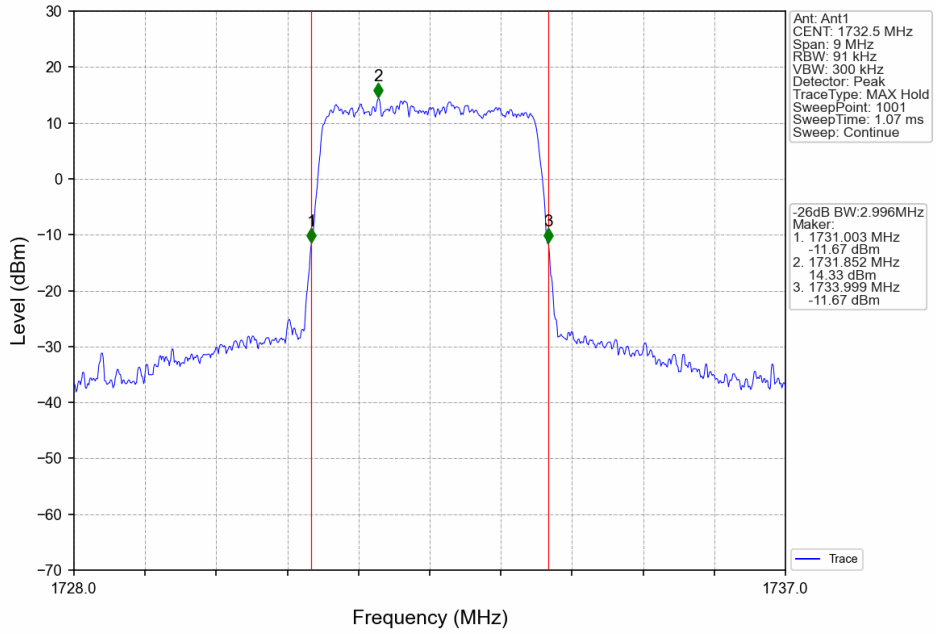
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



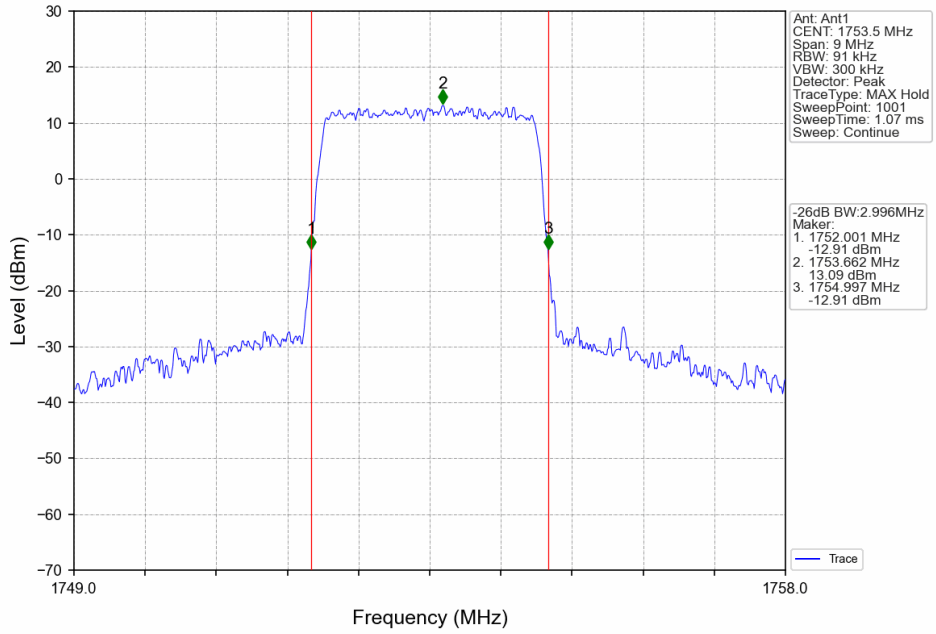
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



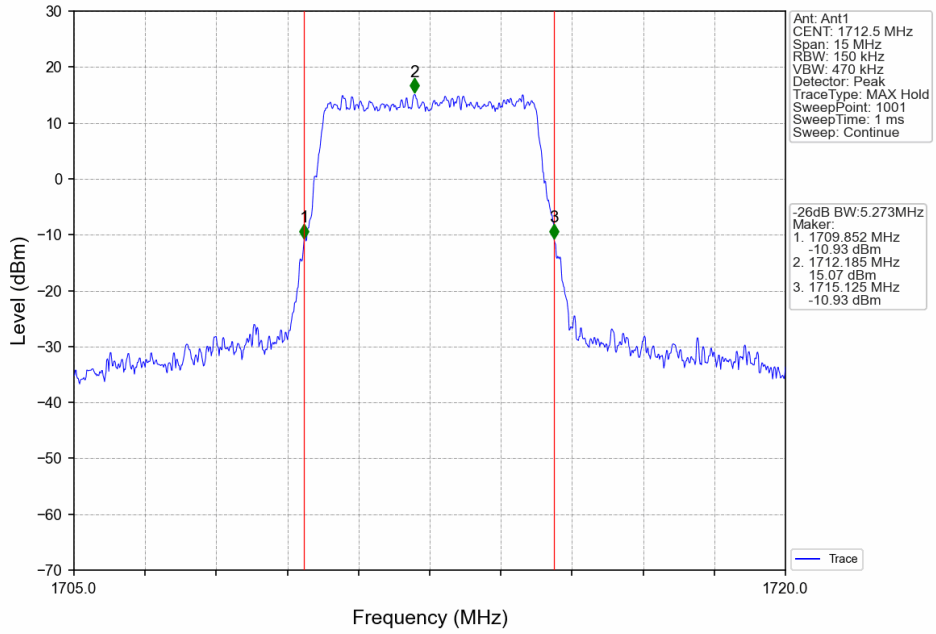
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



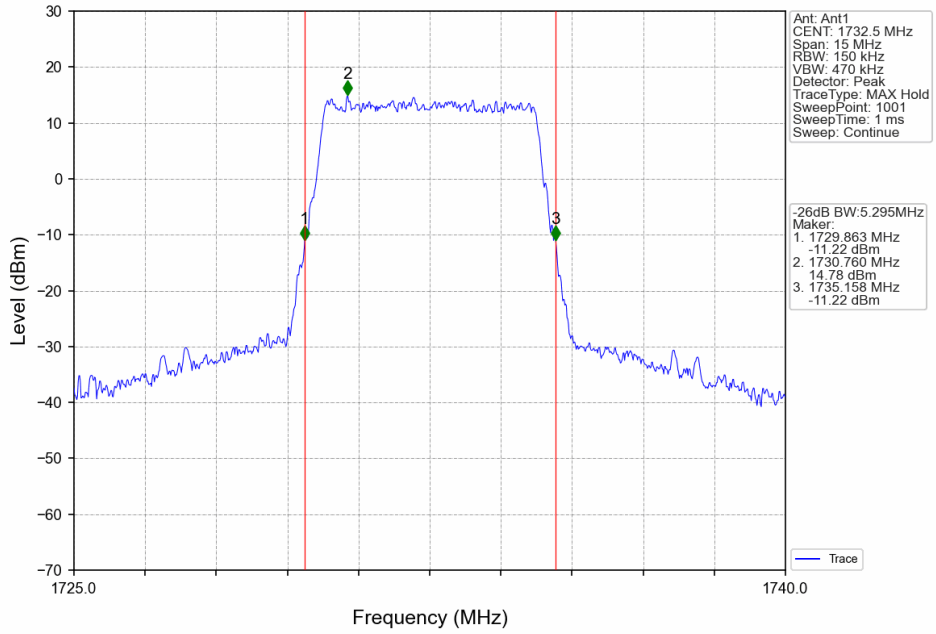
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



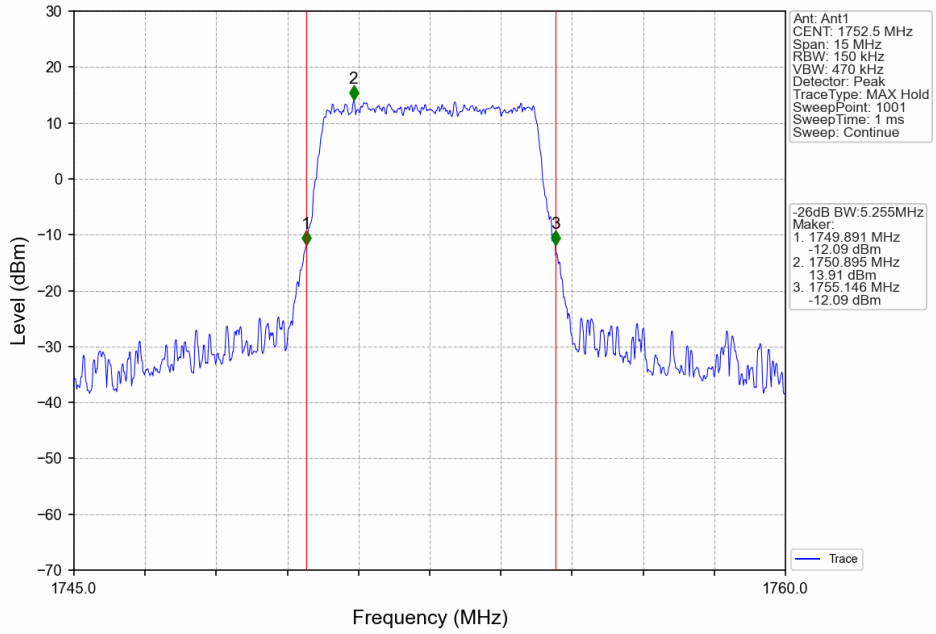
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



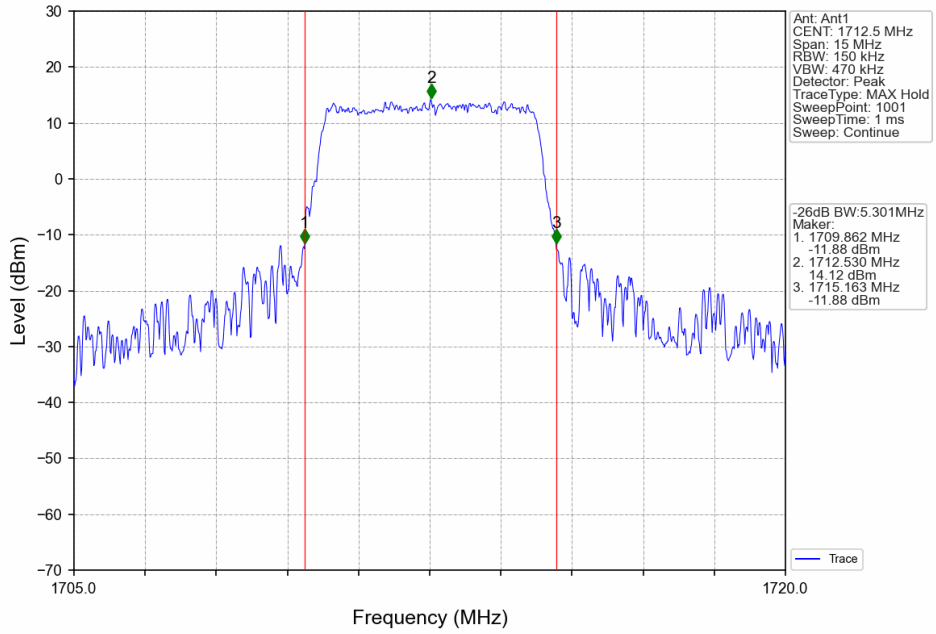
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



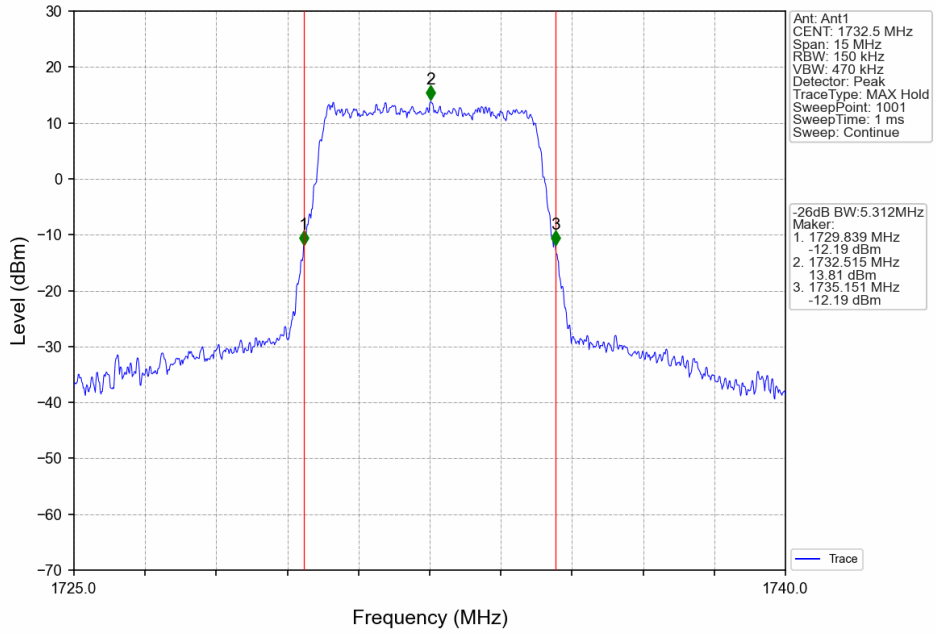
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



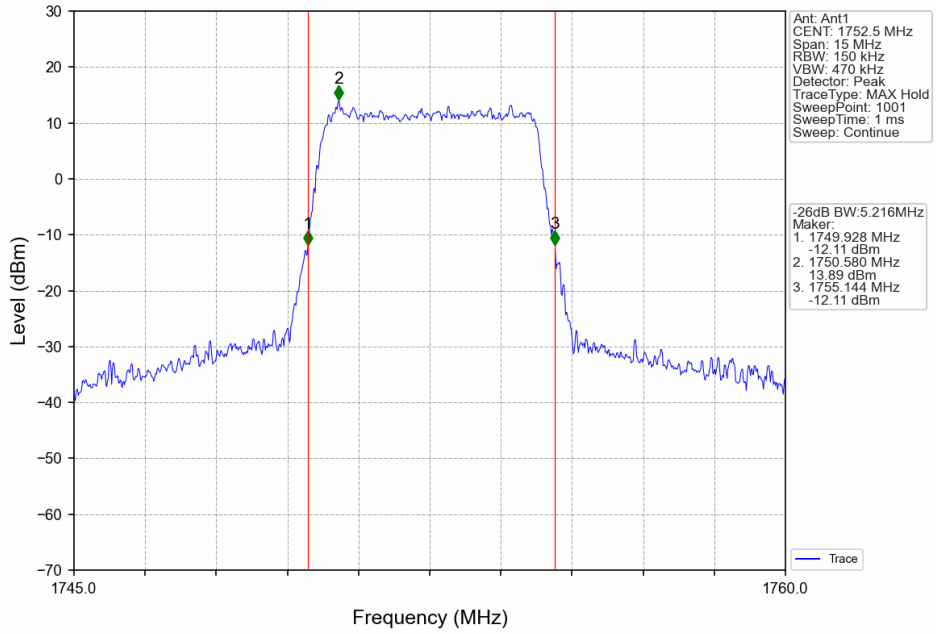
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



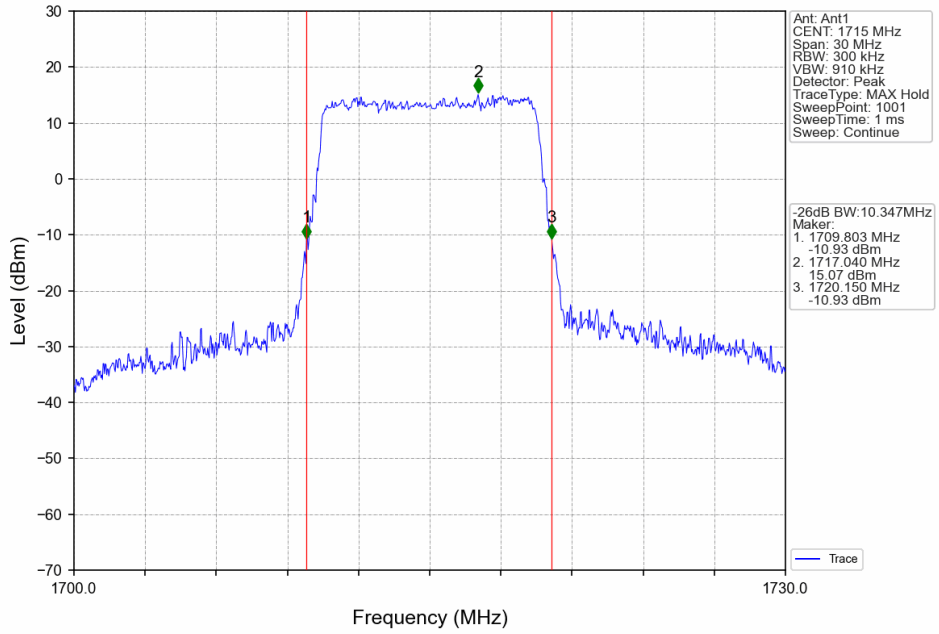
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



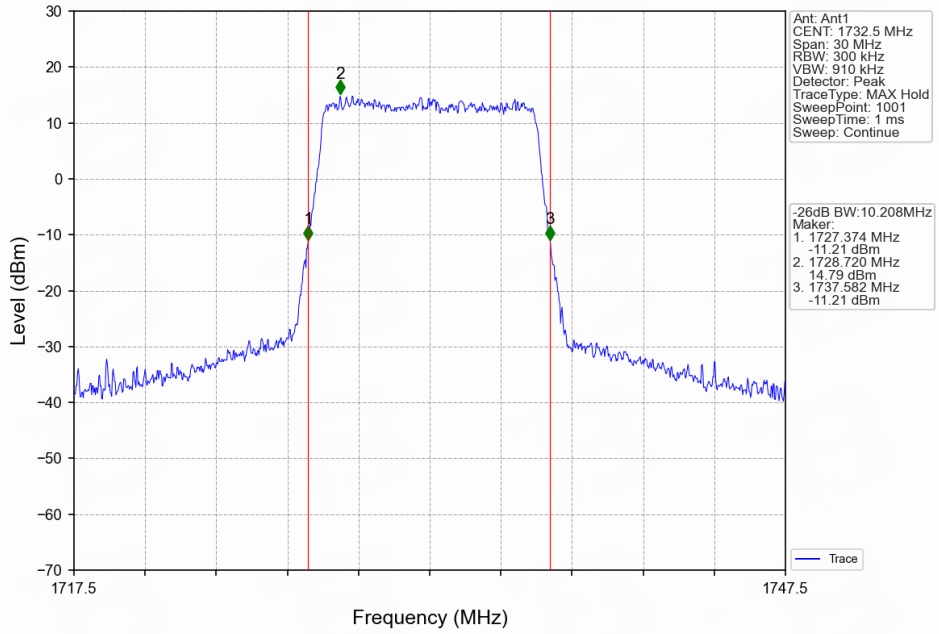
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



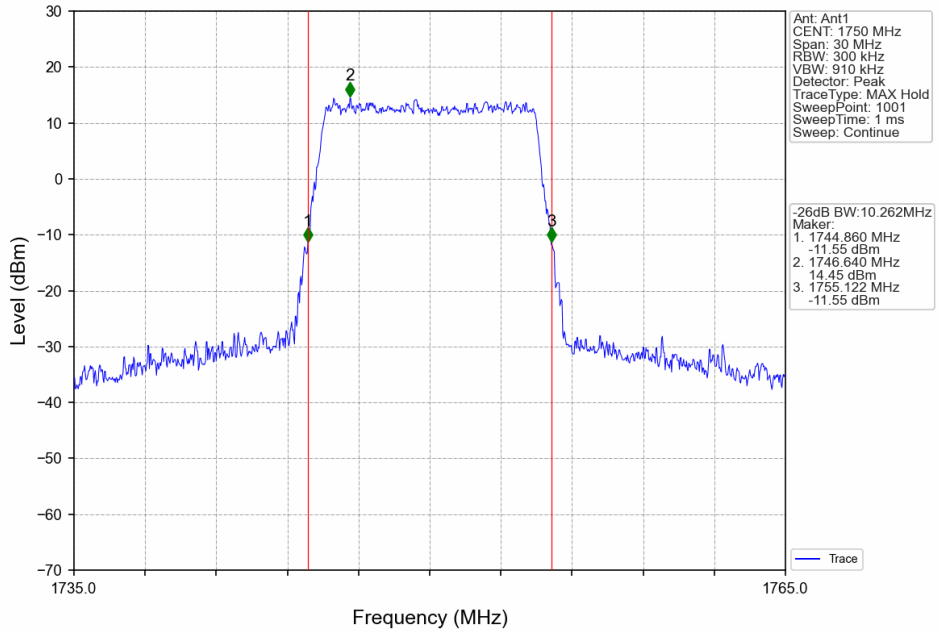
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



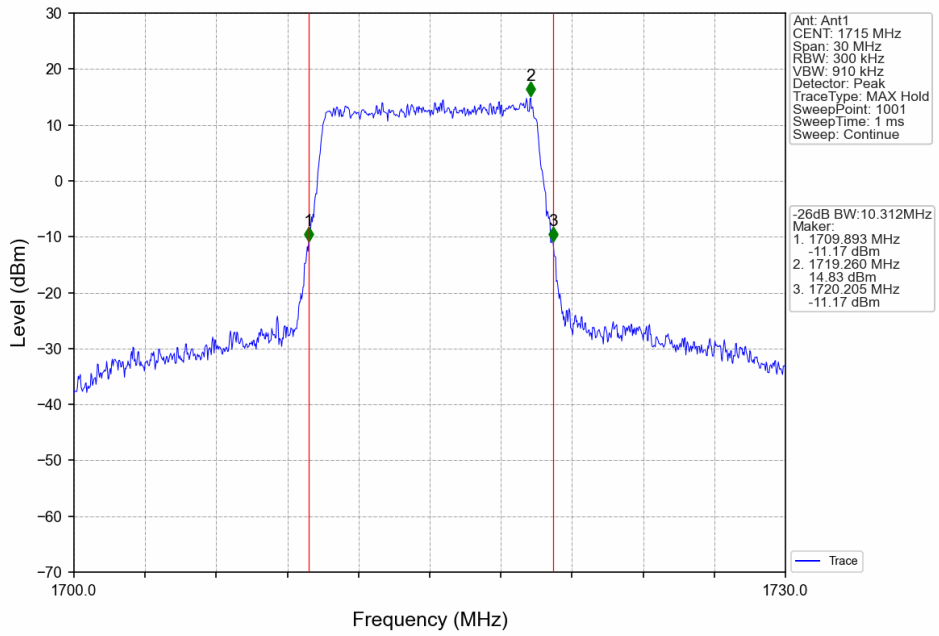
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



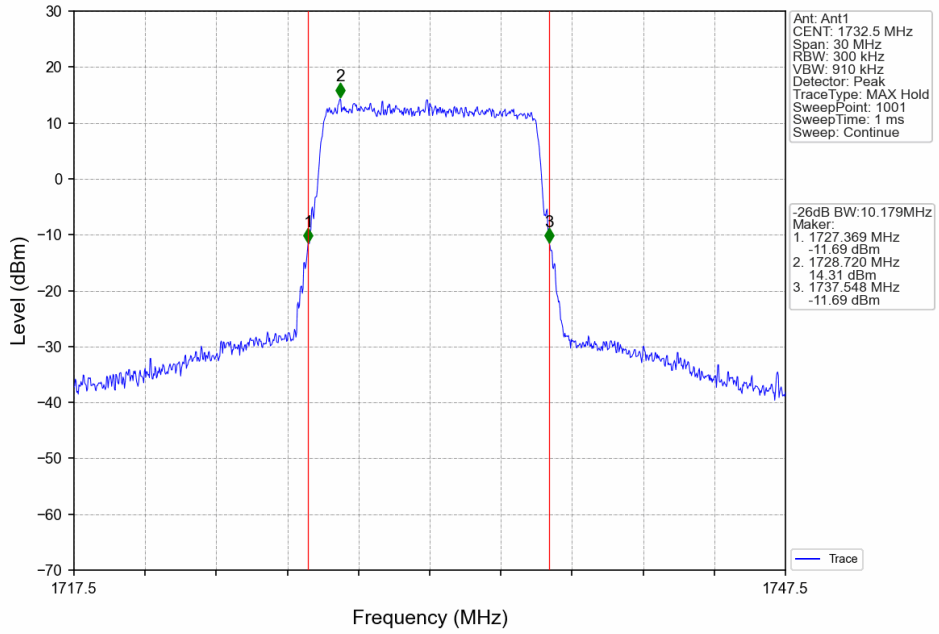
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



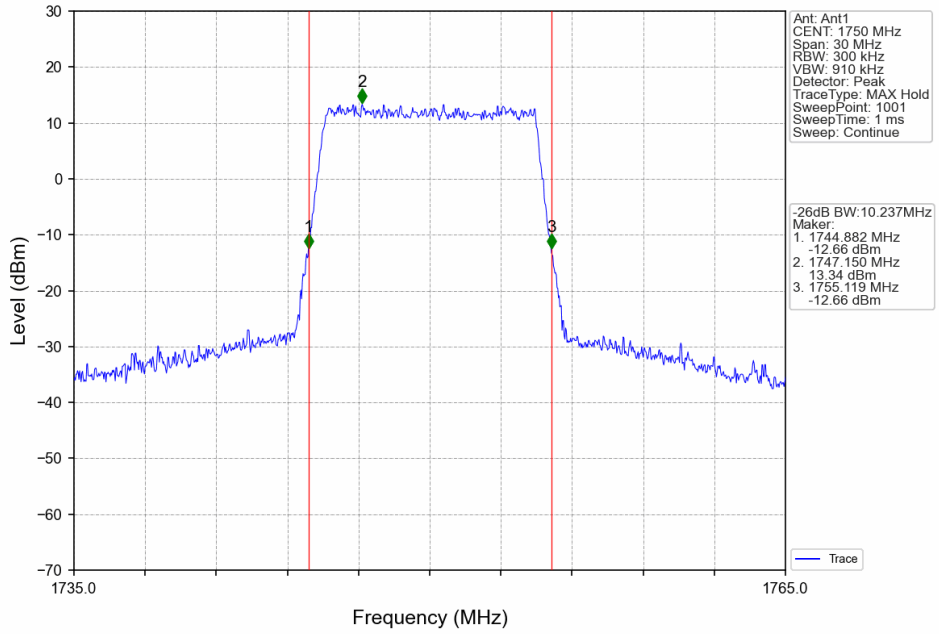
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



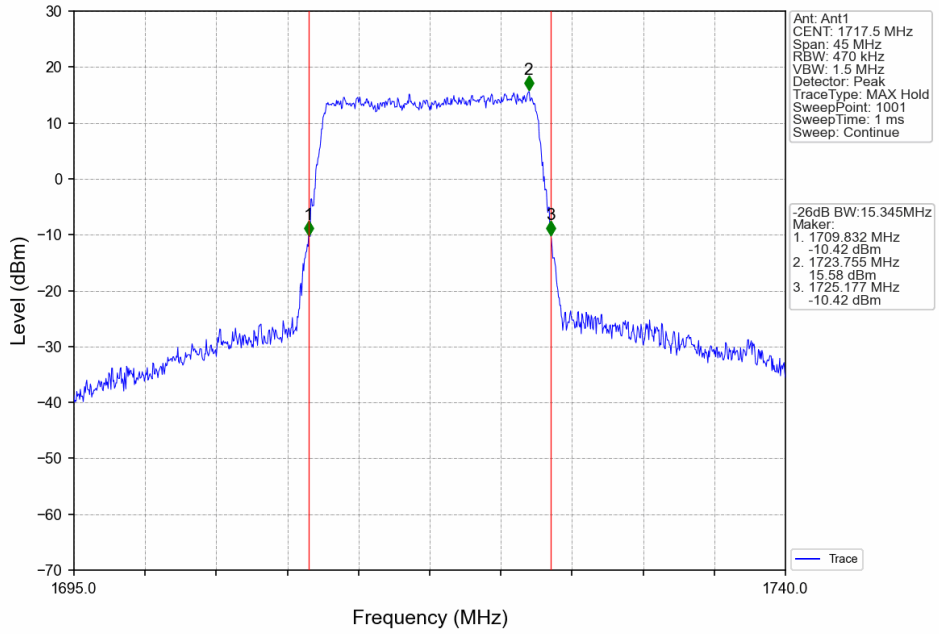
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



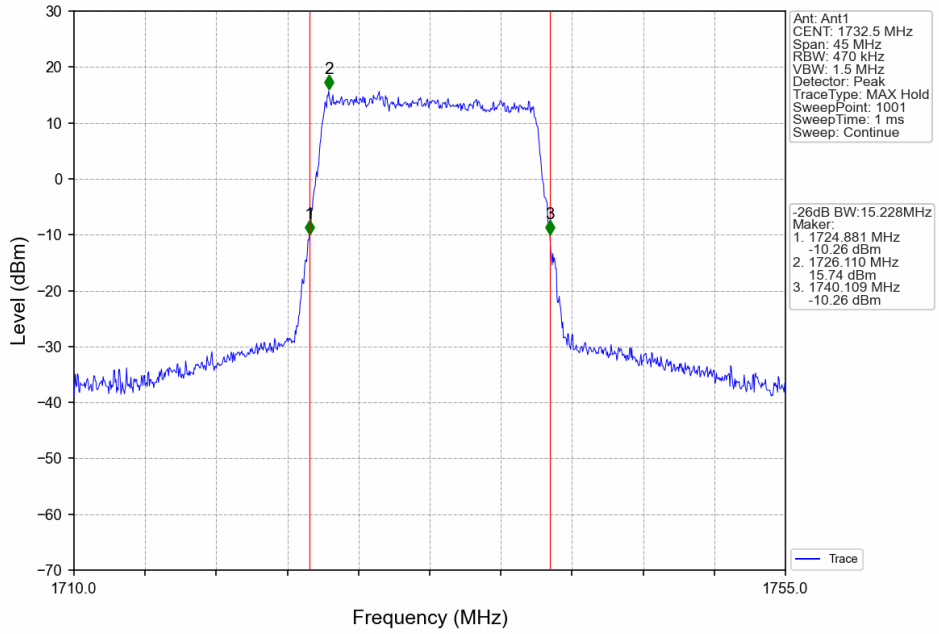
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



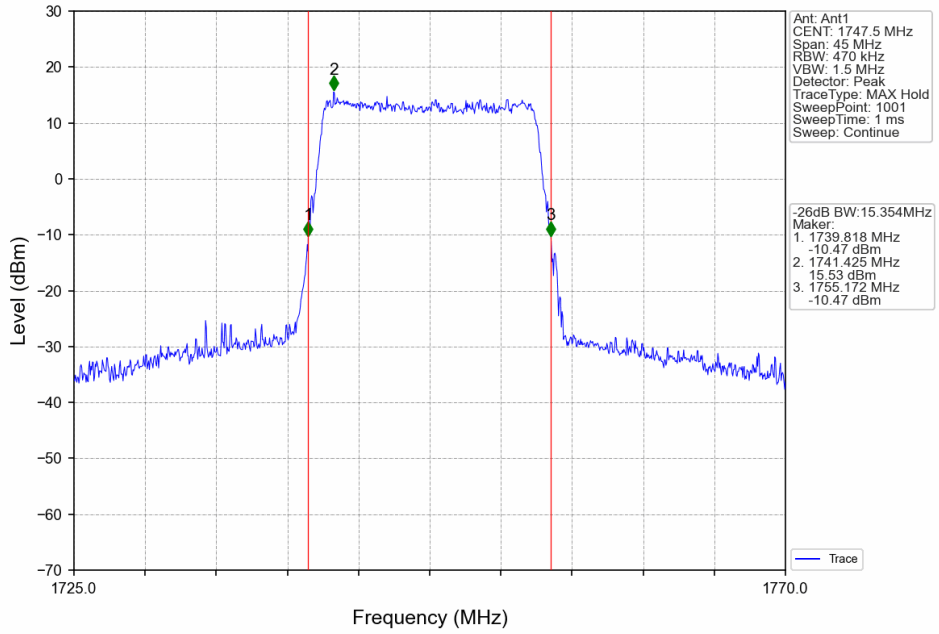
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



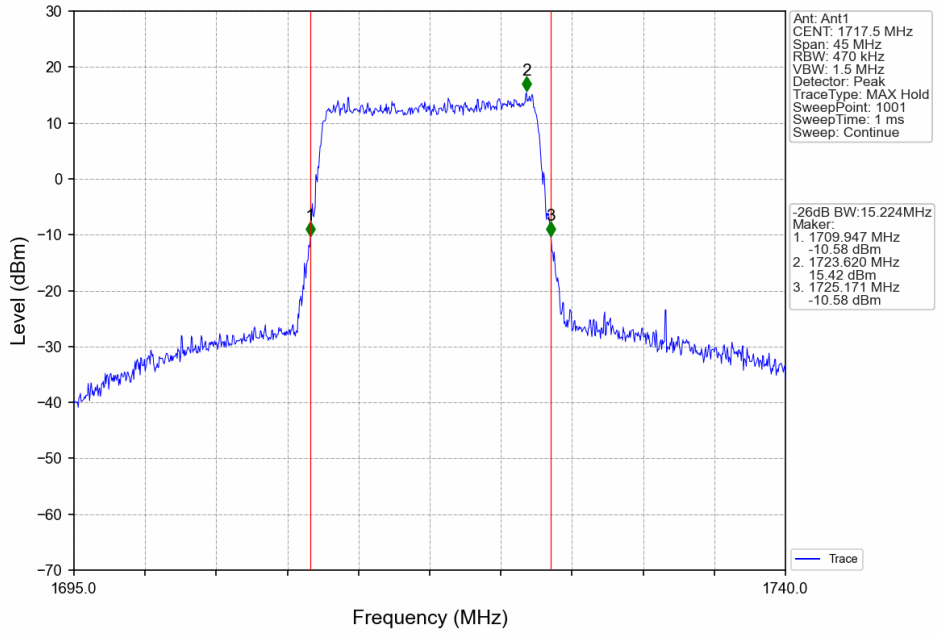
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



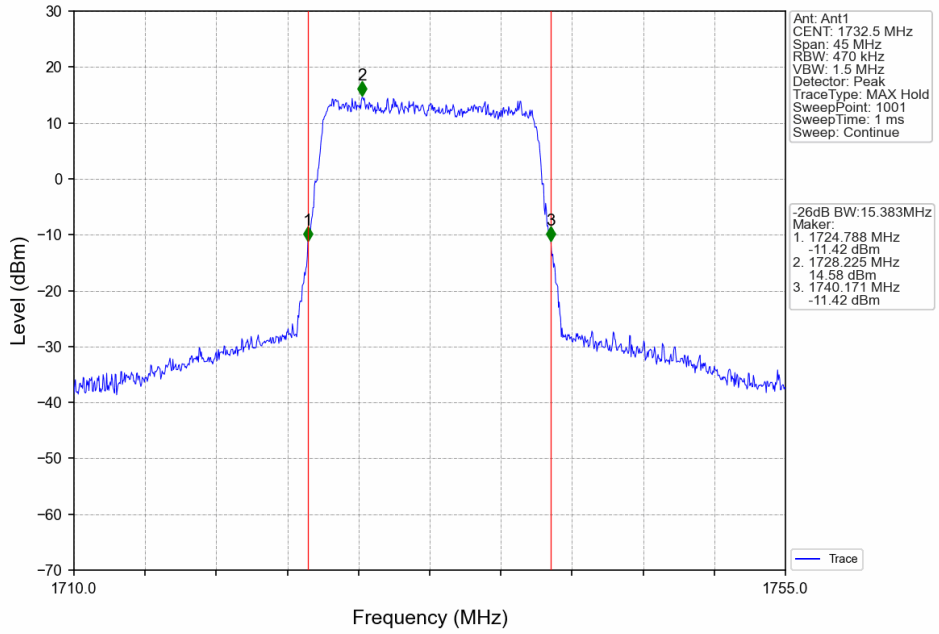
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



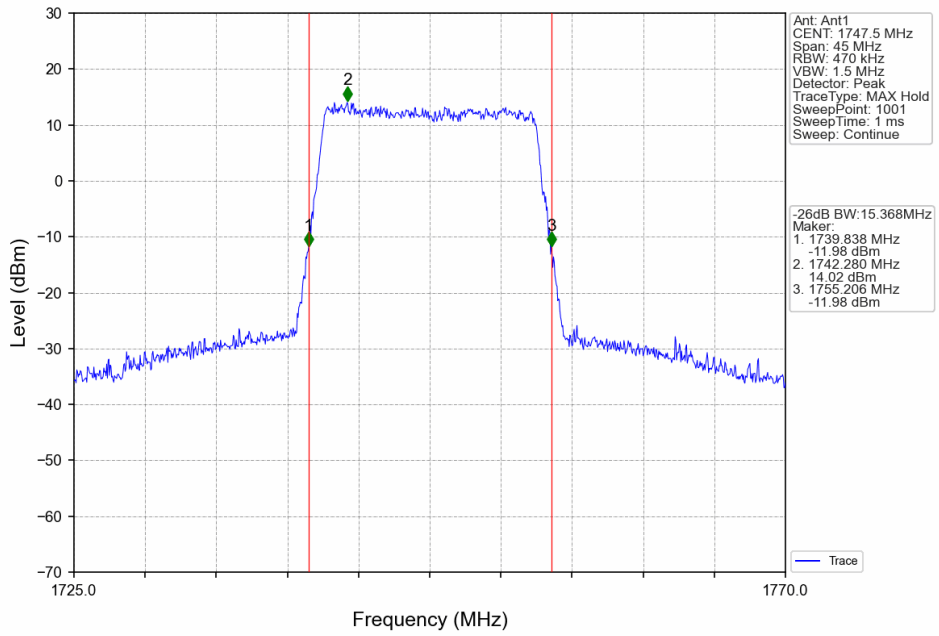
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



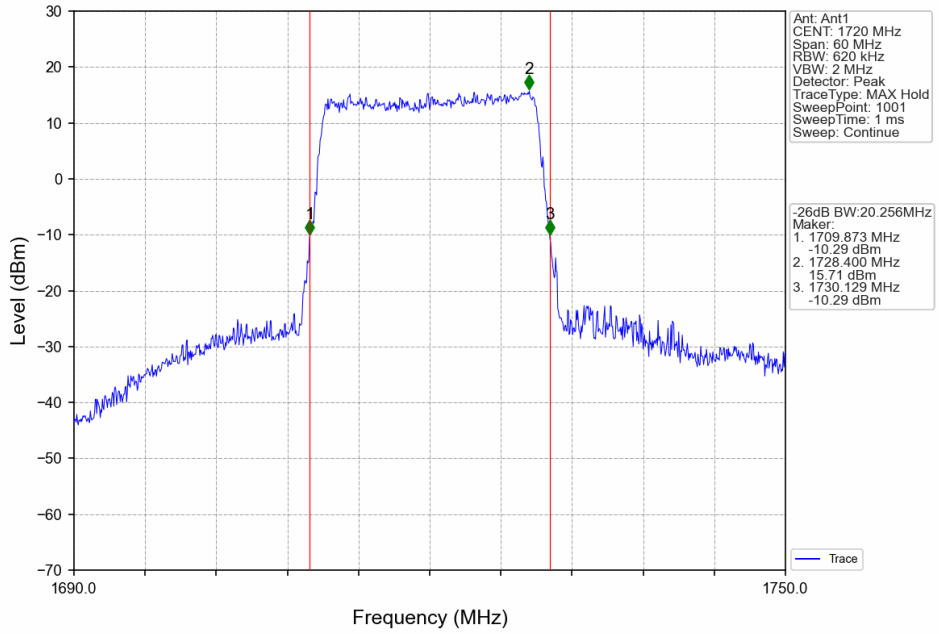
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



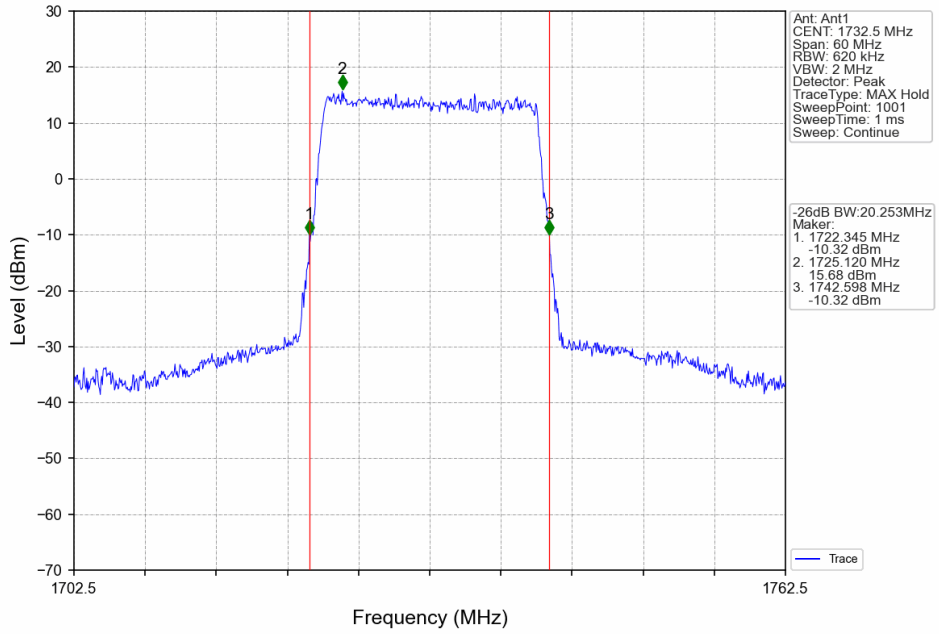
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



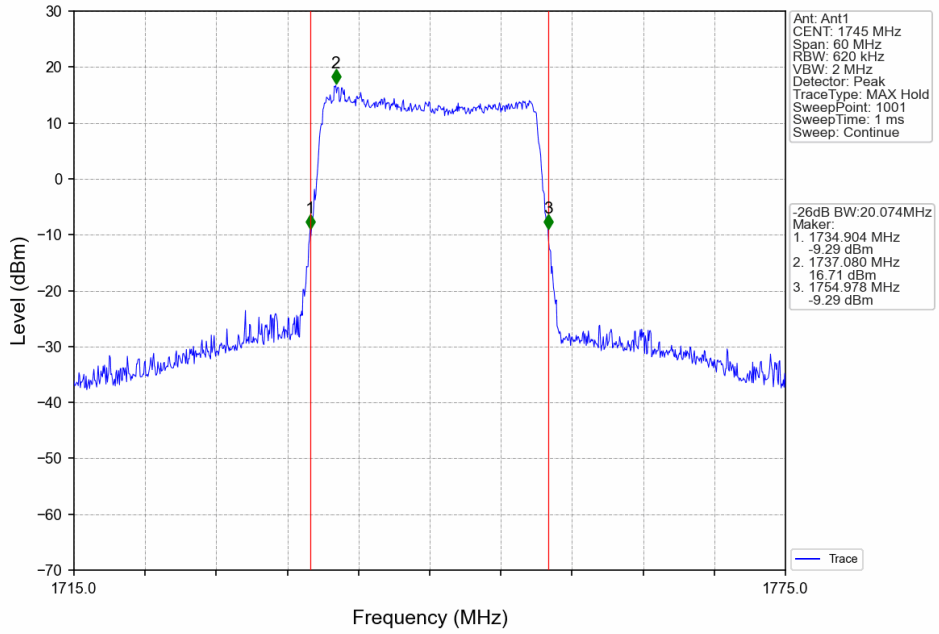
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



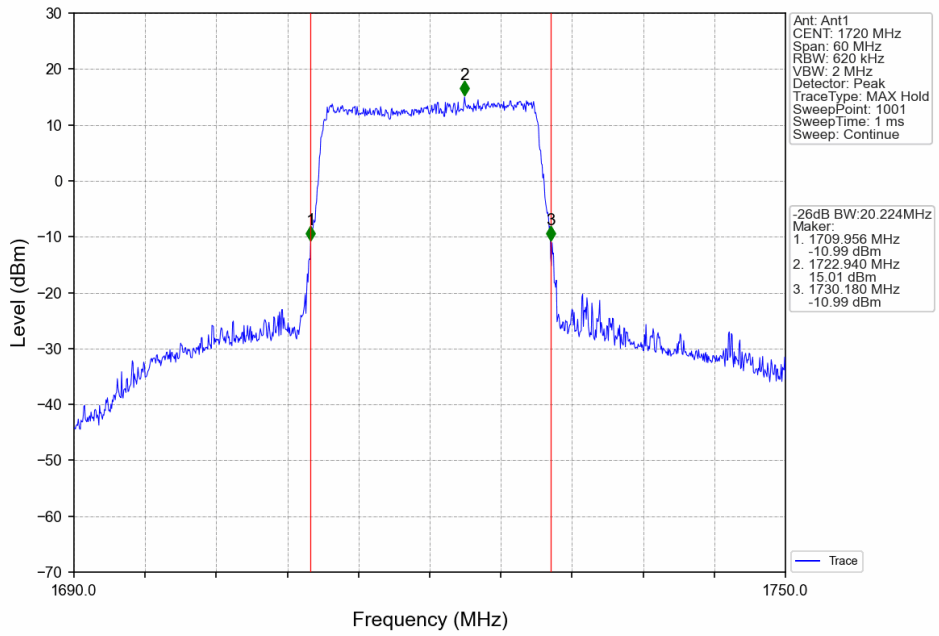
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



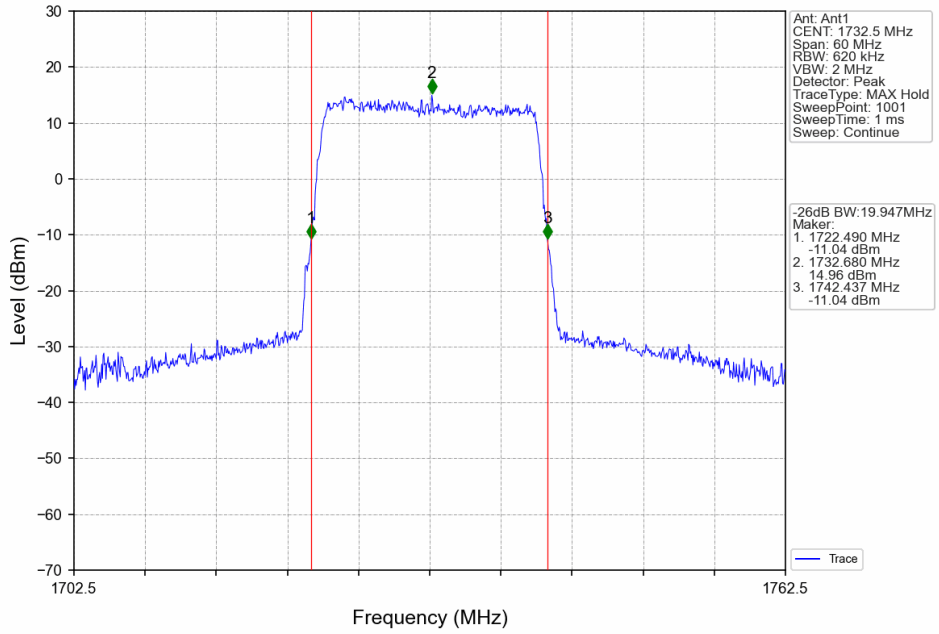
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



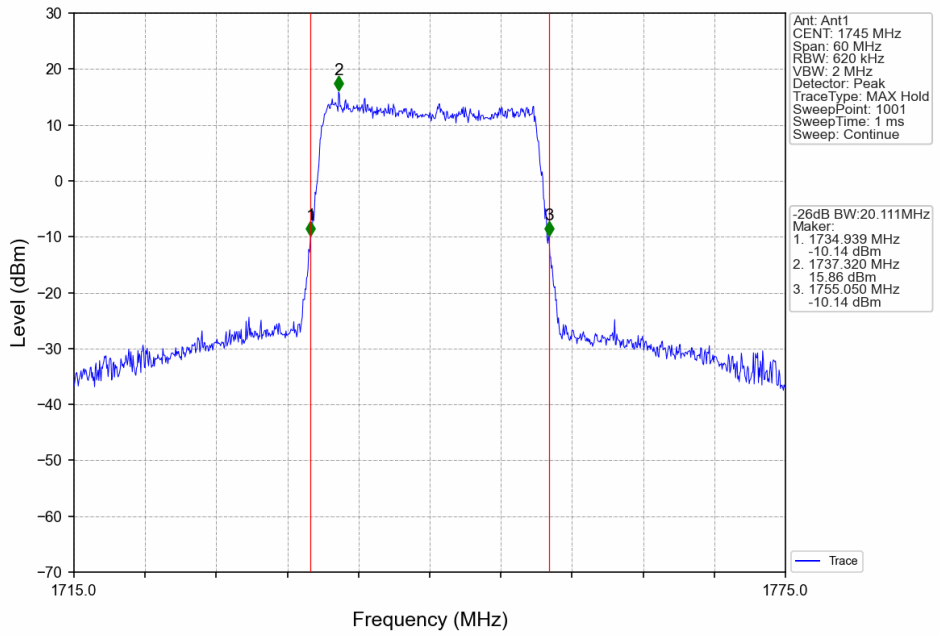
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Peak-Average Ratio

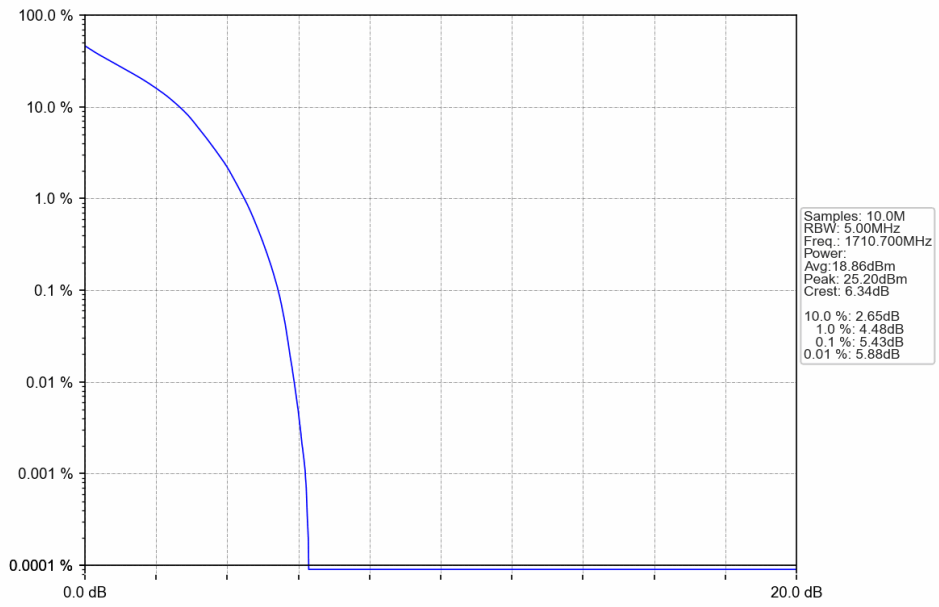
5.1 B4_1.4MHz

5.1.1 Test Result

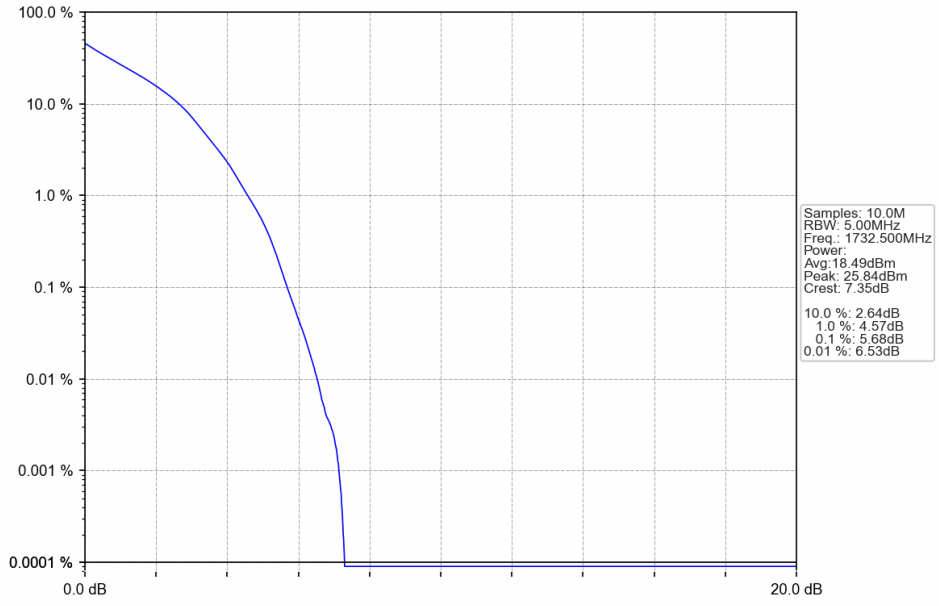
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.43	<=13	Pass
	1732.5	6	0	5.68	<=13	Pass
	1754.3	6	0	5.68	<=13	Pass
16QAM	1710.7	6	0	6.21	<=13	Pass
	1732.5	6	0	6.59	<=13	Pass
	1754.3	6	0	6.45	<=13	Pass

5.1.2 Test Graph

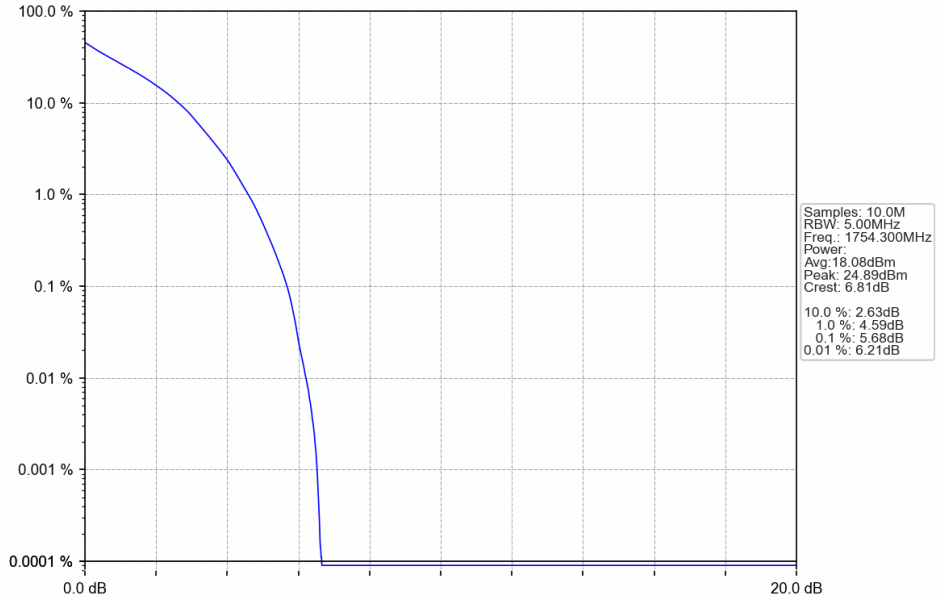
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



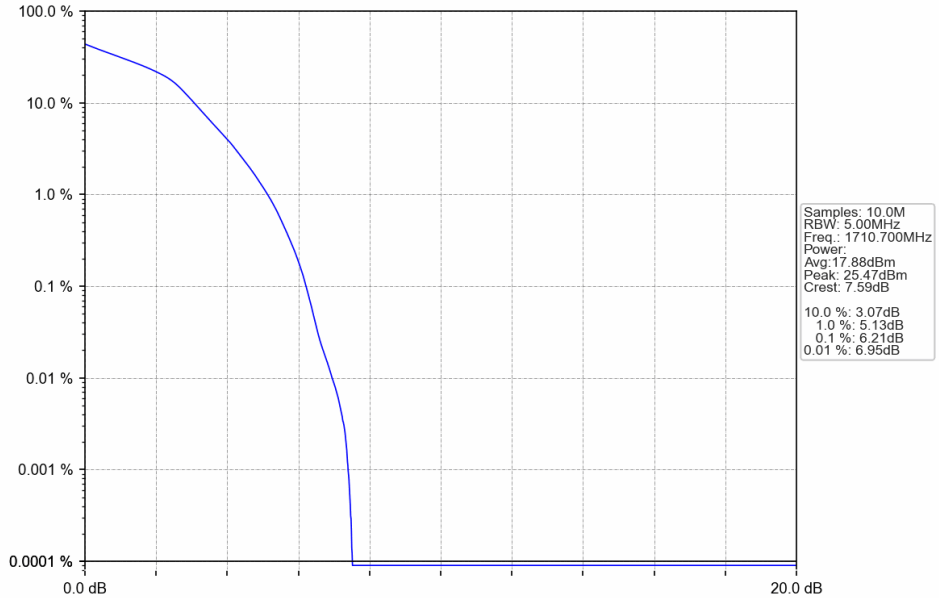
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



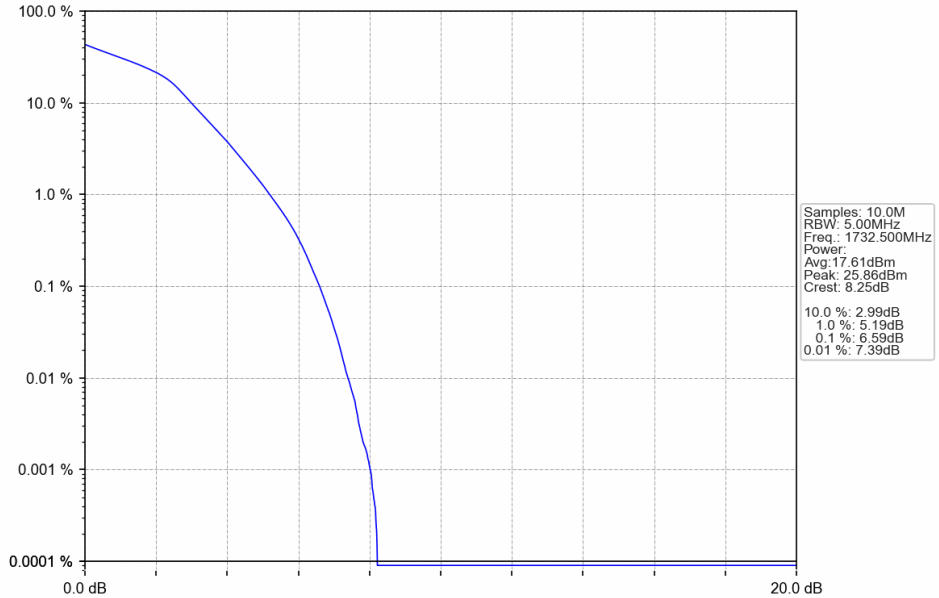
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



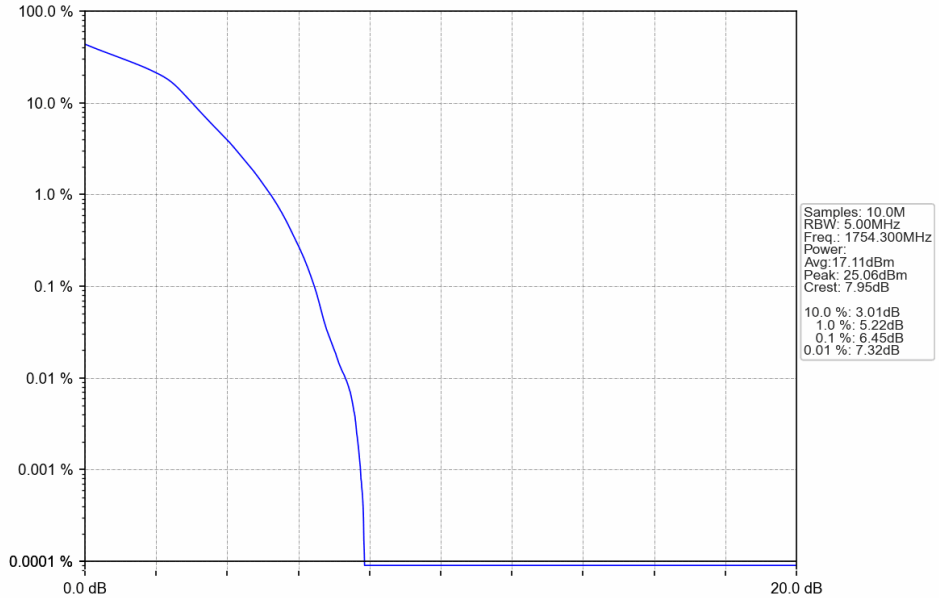
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



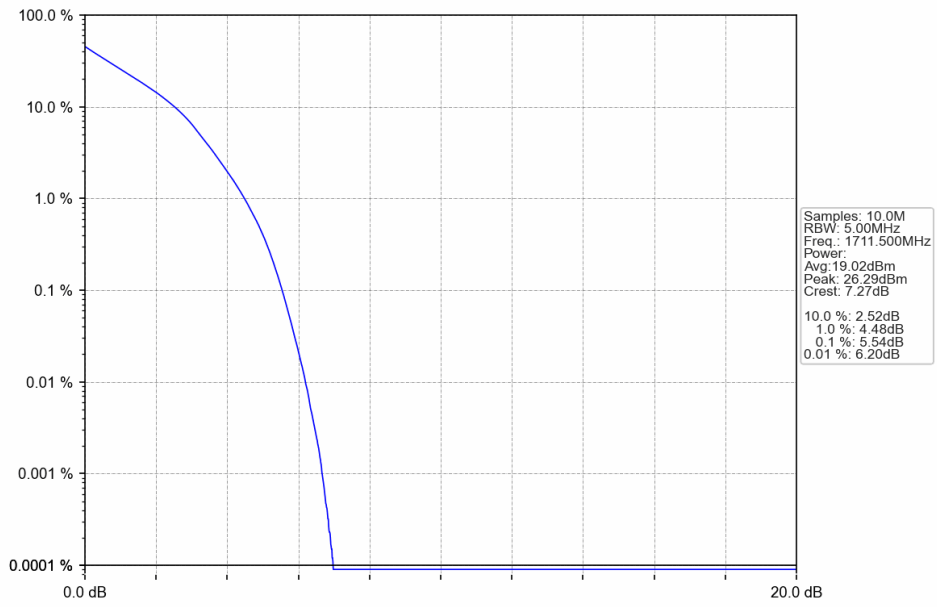
5.2 B4_3MHz

5.2.1 Test Result

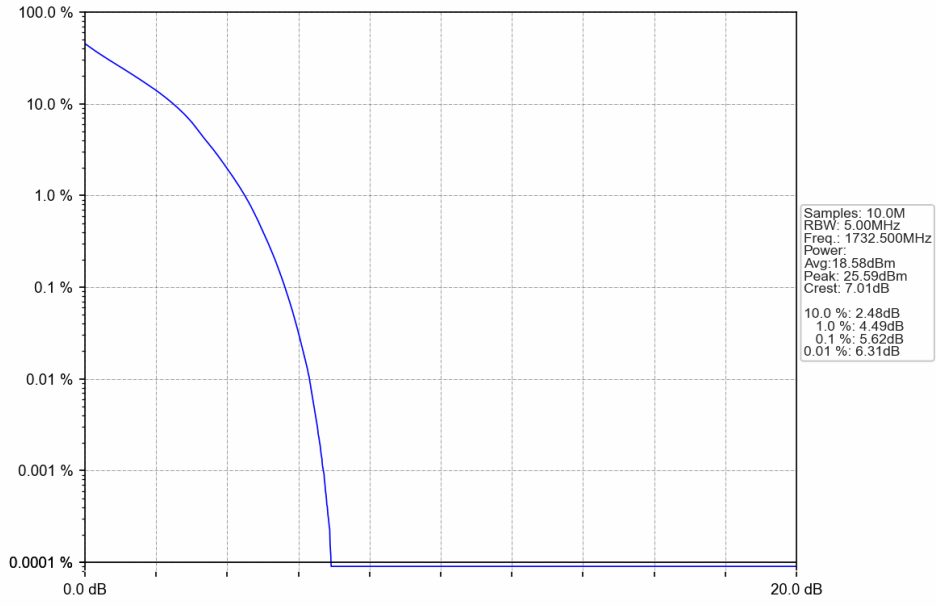
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.54	<=13	Pass
	1732.5	15	0	5.62	<=13	Pass
	1753.5	15	0	5.69	<=13	Pass
16QAM	1711.5	15	0	6.33	<=13	Pass
	1732.5	15	0	6.51	<=13	Pass
	1753.5	15	0	6.49	<=13	Pass

5.2.2 Test Graph

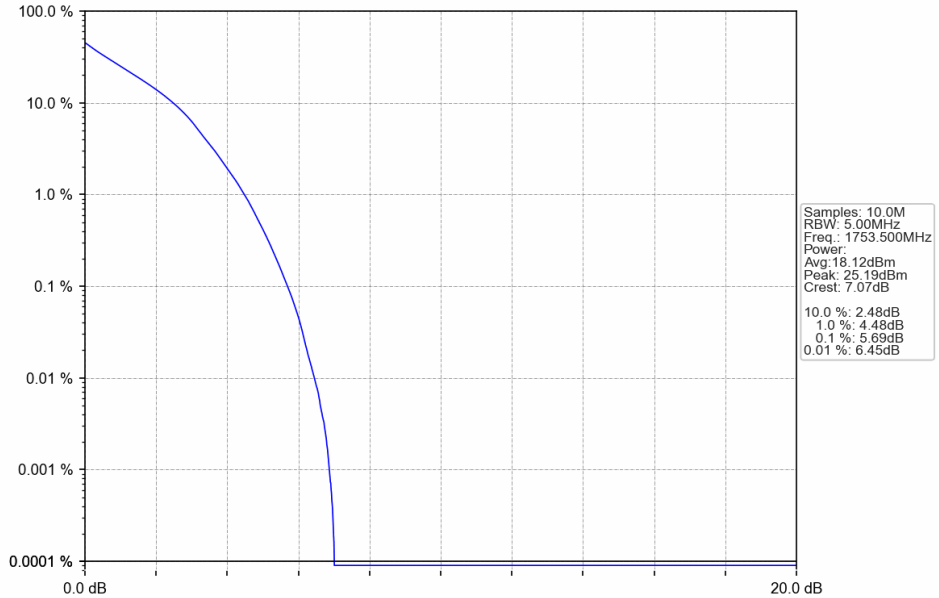
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



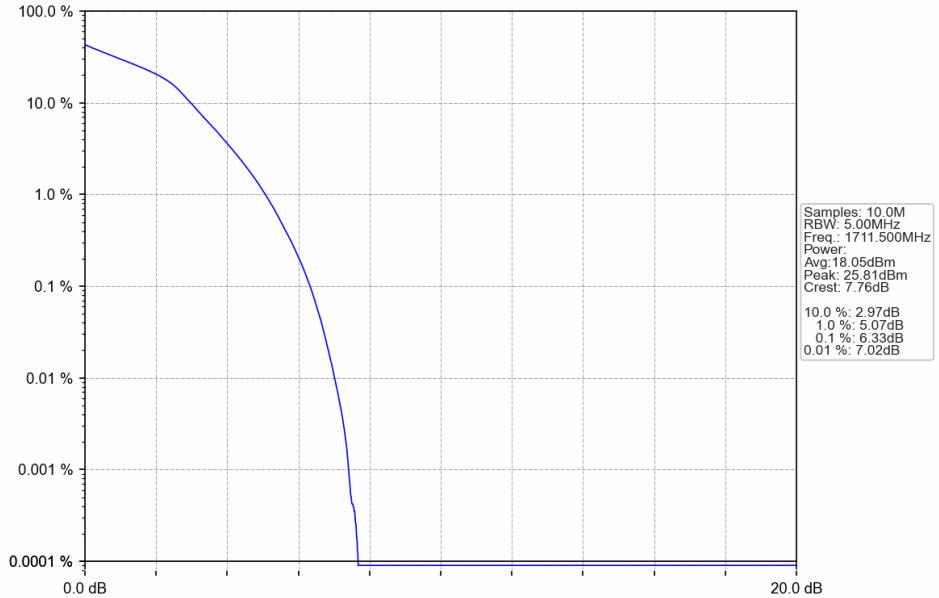
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



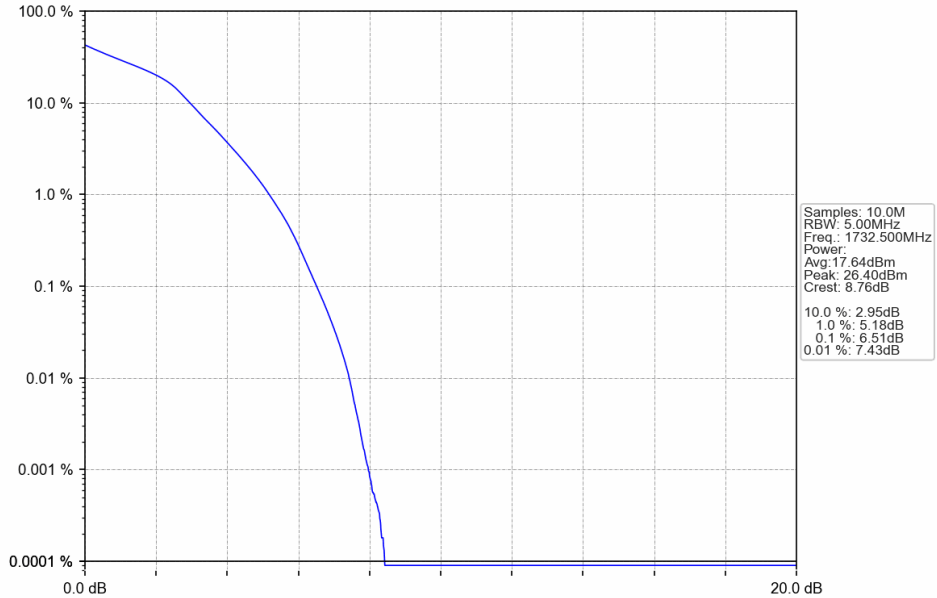
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



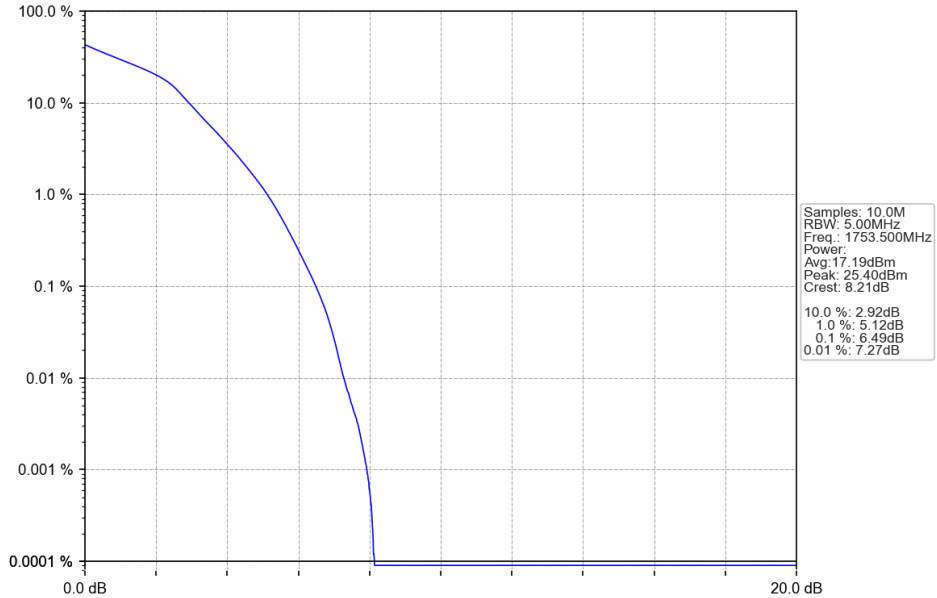
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



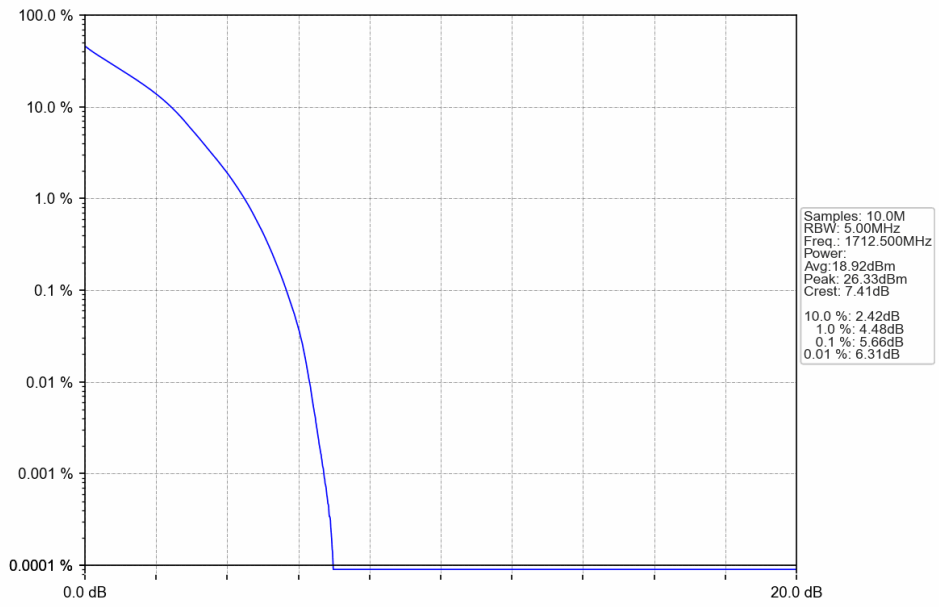
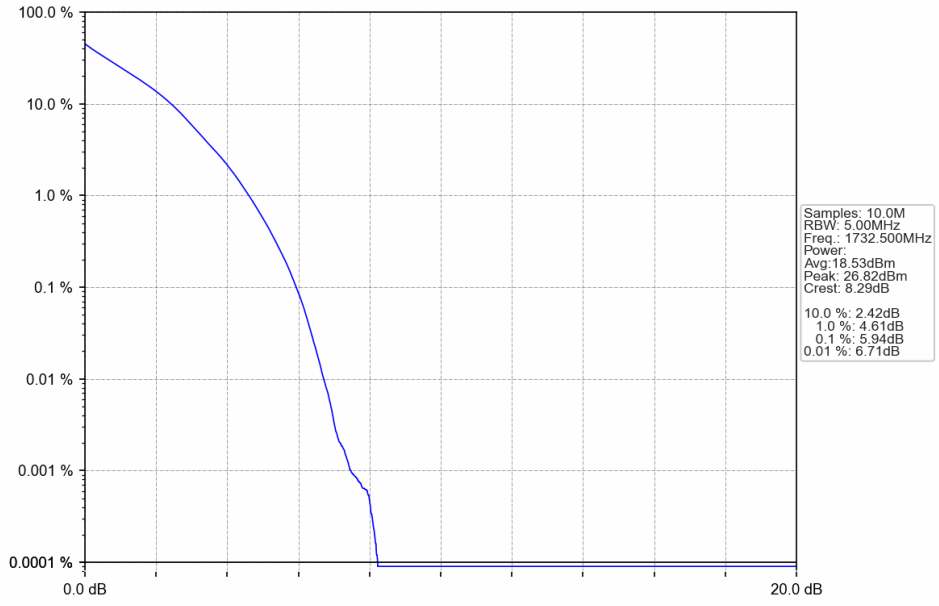
5.3 B4_5MHz

5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.66	<=13	Pass
	1732.5	25	0	5.94	<=13	Pass
	1752.5	25	0	5.80	<=13	Pass
16QAM	1712.5	25	0	6.38	<=13	Pass
	1732.5	25	0	6.63	<=13	Pass
	1752.5	25	0	6.47	<=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