1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.85	-2.13	21.72	<=30	Pass
			2	23.82	-2.13	21.69	<=30	Pass
			5	23.84	-2.13	21.71	<=30	Pass
		3	0	23.89	-2.13	21.76	<=30	Pass
			2	23.84	-2.13	21.71	<=30	Pass
			3	23.82	-2.13	21.69	<=30	Pass
		6	0	22.77	-2.13	20.64	<=30	Pass
	1732.5	1	0	23.80	-2.13	21.67	<=30	Pass
			2	23.83	-2.13	21.70	<=30	Pass
			5	23.84	-2.13	21.71	<=30	Pass
		3	0	23.69	-2.13	21.56	<=30	Pass
			2	23.74	-2.13	21.61	<=30	Pass
			3	23.69	-2.13	21.56	<=30	Pass
		6	0	22.72	-2.13	20.59	<=30	Pass
	1754.3	1	0	23.95	-2.13	21.82	<=30	Pass
			2	23.99	-2.13	21.86	<=30	Pass
			5	24.02	-2.13	21.89	<=30	Pass
		3	0	23.96	-2.13	21.83	<=30	Pass
			2	24.01	-2.13	21.88	<=30	Pass
			3	23.94	-2.13	21.81	<=30	Pass
		6	0	22.93	-2.13	20.80	<=30	Pass
16QAM	1710.7	1	0	22.85	-2.13	20.72	<=30	Pass
			2	22.84	-2.13	20.71	<=30	Pass
			5	22.86	-2.13	20.73	<=30	Pass
		3	0	22.71	-2.13	20.58	<=30	Pass
			2	22.71	-2.13	20.58	<=30	Pass
			3	22.68	-2.13	20.55	<=30	Pass
		6	0	21.84	-2.13	19.71	<=30	Pass
	1732.5	1	0	23.44	-2.13	21.31	<=30	Pass
			2	23.48	-2.13	21.35	<=30	Pass
			5	23.53	-2.13	21.40	<=30	Pass
		3	0	22.85	-2.13	20.72	<=30	Pass
			2	22.92	-2.13	20.79	<=30	Pass
			3	22.89	-2.13	20.76	<=30	Pass
		6	0	21.90	-2.13	19.77	<=30	Pass
	1754.3	1	0	23.59	-2.13	21.46	<=30	Pass
			2	23.61	-2.13	21.48	<=30	Pass
			5	23.60	-2.13	21.47	<=30	Pass
		3	0	22.59	-2.13	20.46	<=30	Pass
			2	22.65	-2.13	20.52	<=30	Pass
			3	22.59	-2.13	20.46	<=30	Pass
		6	0	21.92	-2.13	19.79	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.74	-2.13	21.61	<=30	Pass
			7	23.78	-2.13	21.65	<=30	Pass
			14	23.70	-2.13	21.57	<=30	Pass
		8	0	22.82	-2.13	20.69	<=30	Pass
			4	22.85	-2.13	20.72	<=30	Pass
			7	22.81	-2.13	20.68	<=30	Pass
		15	0	22.82	-2.13	20.69	<=30	Pass
	1732.5	1	0	23.67	-2.13	21.54	<=30	Pass
			7	23.66	-2.13	21.53	<=30	Pass
			14	23.71	-2.13	21.58	<=30	Pass
		8	0	22.76	-2.13	20.63	<=30	Pass
			4	22.68	-2.13	20.55	<=30	Pass
			7	22.74	-2.13	20.61	<=30	Pass
		15	0	22.77	-2.13	20.64	<=30	Pass
	1753.5	1	0	23.79	-2.13	21.66	<=30	Pass
			7	23.82	-2.13	21.69	<=30	Pass
			14	23.83	-2.13	21.70	<=30	Pass
		8	0	22.90	-2.13	20.77	<=30	Pass
			4	22.93	-2.13	20.80	<=30	Pass
			7	22.88	-2.13	20.75	<=30	Pass
		15	0	22.90	-2.13	20.77	<=30	Pass
16QAM	1711.5	1	0	23.59	-2.13	21.46	<=30	Pass
			7	23.58	-2.13	21.45	<=30	Pass
			14	23.50	-2.13	21.37	<=30	Pass
		8	0	22.07	-2.13	19.94	<=30	Pass
			4	22.15	-2.13	20.02	<=30	Pass
			7	22.14	-2.13	20.01	<=30	Pass
		15	0	21.95	-2.13	19.82	<=30	Pass
	1732.5	1	0	23.01	-2.13	20.88	<=30	Pass
			7	22.99	-2.13	20.86	<=30	Pass
			14	23.02	-2.13	20.89	<=30	Pass
		8	0	21.97	-2.13	19.84	<=30	Pass
			4	21.99	-2.13	19.86	<=30	Pass
			7	21.99	-2.13	19.86	<=30	Pass
		15	0	21.84	-2.13	19.71	<=30	Pass
	1753.5	1	0	23.68	-2.13	21.55	<=30	Pass
			7	23.74	-2.13	21.61	<=30	Pass
			14	23.67	-2.13	21.54	<=30	Pass
		8	0	22.08	-2.13	19.95	<=30	Pass
			4	22.10	-2.13	19.97	<=30	Pass
			7	22.11	-2.13	19.98	<=30	Pass
		15	0	22.00	-2.13	19.87	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.76	-2.13	21.63	<=30	Pass
			13	23.70	-2.13	21.57	<=30	Pass
			24	23.73	-2.13	21.60	<=30	Pass
		12	0	22.87	-2.13	20.74	<=30	Pass
			6	22.75	-2.13	20.62	<=30	Pass
			13	22.84	-2.13	20.71	<=30	Pass
		25	0	22.71	-2.13	20.58	<=30	Pass
	1732.5	1	0	23.79	-2.13	21.66	<=30	Pass
			13	23.65	-2.13	21.52	<=30	Pass
			24	23.63	-2.13	21.50	<=30	Pass
		12	0	22.72	-2.13	20.59	<=30	Pass
			6	22.80	-2.13	20.67	<=30	Pass
			13	22.74	-2.13	20.61	<=30	Pass
		25	0	22.79	-2.13	20.66	<=30	Pass
	1752.5	1	0	23.90	-2.13	21.77	<=30	Pass
			13	23.94	-2.13	21.81	<=30	Pass
			24	23.96	-2.13	21.83	<=30	Pass
		12	0	22.94	-2.13	20.81	<=30	Pass
			6	22.84	-2.13	20.71	<=30	Pass
			13	22.89	-2.13	20.76	<=30	Pass
		25	0	22.93	-2.13	20.80	<=30	Pass
16QAM	1712.5	1	0	22.54	-2.13	20.41	<=30	Pass
			13	22.46	-2.13	20.33	<=30	Pass
			24	22.46	-2.13	20.33	<=30	Pass
		12	0	21.85	-2.13	19.72	<=30	Pass
			6	21.80	-2.13	19.67	<=30	Pass
			13	21.83	-2.13	19.70	<=30	Pass
		25	0	21.91	-2.13	19.78	<=30	Pass
	1732.5	1	0	23.34	-2.13	21.21	<=30	Pass
			13	23.33	-2.13	21.20	<=30	Pass
			24	23.38	-2.13	21.25	<=30	Pass
		12	0	21.77	-2.13	19.64	<=30	Pass
			6	21.79	-2.13	19.66	<=30	Pass
			13	21.79	-2.13	19.66	<=30	Pass
		25	0	21.85	-2.13	19.72	<=30	Pass
	1752.5	1	0	23.11	-2.13	20.98	<=30	Pass
			13	23.14	-2.13	21.01	<=30	Pass
			24	23.23	-2.13	21.10	<=30	Pass
		12	0	21.80	-2.13	19.67	<=30	Pass
			6	21.85	-2.13	19.72	<=30	Pass
			13	21.83	-2.13	19.70	<=30	Pass
		25	0	21.88	-2.13	19.75	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.87	-2.13	21.74	<=30	Pass
			25	23.82	-2.13	21.69	<=30	Pass
			49	23.81	-2.13	21.68	<=30	Pass
		25	0	22.85	-2.13	20.72	<=30	Pass
			13	22.86	-2.13	20.73	<=30	Pass
			25	22.80	-2.13	20.67	<=30	Pass
		50	0	22.87	-2.13	20.74	<=30	Pass
	1732.5	1	0	23.80	-2.13	21.67	<=30	Pass
			25	23.79	-2.13	21.66	<=30	Pass
			49	23.83	-2.13	21.70	<=30	Pass
		25	0	22.74	-2.13	20.61	<=30	Pass
			13	22.70	-2.13	20.57	<=30	Pass
			25	22.79	-2.13	20.66	<=30	Pass
		50	0	22.75	-2.13	20.62	<=30	Pass
	1750	1	0	23.85	-2.13	21.72	<=30	Pass
			25	23.92	-2.13	21.79	<=30	Pass
			49	24.01	-2.13	21.88	<=30	Pass
		25	0	22.87	-2.13	20.74	<=30	Pass
			13	22.95	-2.13	20.82	<=30	Pass
			25	22.94	-2.13	20.81	<=30	Pass
		50	0	22.83	-2.13	20.70	<=30	Pass
16QAM	1715	1	0	23.86	-2.13	21.73	<=30	Pass
			25	23.80	-2.13	21.67	<=30	Pass
			49	23.75	-2.13	21.62	<=30	Pass
		25	0	21.85	-2.13	19.72	<=30	Pass
			13	21.88	-2.13	19.75	<=30	Pass
			25	21.88	-2.13	19.75	<=30	Pass
		50	0	21.85	-2.13	19.72	<=30	Pass
	1732.5	1	0	23.00	-2.13	20.87	<=30	Pass
			25	23.05	-2.13	20.92	<=30	Pass
			49	23.10	-2.13	20.97	<=30	Pass
		25	0	21.99	-2.13	19.86	<=30	Pass
			13	21.93	-2.13	19.80	<=30	Pass
			25	21.98	-2.13	19.85	<=30	Pass
		50	0	21.84	-2.13	19.71	<=30	Pass
	1750	1	0	23.69	-2.13	21.56	<=30	Pass
			25	23.79	-2.13	21.66	<=30	Pass
			49	23.79	-2.13	21.66	<=30	Pass
		25	0	21.94	-2.13	19.81	<=30	Pass
			13	22.00	-2.13	19.87	<=30	Pass
			25	21.96	-2.13	19.83	<=30	Pass
		50	0	21.95	-2.13	19.82	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.86	-2.13	21.73	<=30	Pass
			38	23.78	-2.13	21.65	<=30	Pass
			74	23.79	-2.13	21.66	<=30	Pass
		36	0	22.89	-2.13	20.76	<=30	Pass
			18	22.80	-2.13	20.67	<=30	Pass
			39	22.79	-2.13	20.66	<=30	Pass
		75	0	22.77	-2.13	20.64	<=30	Pass
	1732.5	1	0	23.67	-2.13	21.54	<=30	Pass
			38	23.64	-2.13	21.51	<=30	Pass
			74	23.68	-2.13	21.55	<=30	Pass
		36	0	22.73	-2.13	20.60	<=30	Pass
			18	22.79	-2.13	20.66	<=30	Pass
			39	22.84	-2.13	20.71	<=30	Pass
		75	0	22.76	-2.13	20.63	<=30	Pass
	1747.5	1	0	23.83	-2.13	21.70	<=30	Pass
			38	23.93	-2.13	21.80	<=30	Pass
			74	24.09	-2.13	21.96	<=30	Pass
		36	0	22.88	-2.13	20.75	<=30	Pass
			18	22.88	-2.13	20.75	<=30	Pass
			39	23.00	-2.13	20.87	<=30	Pass
		75	0	22.93	-2.13	20.80	<=30	Pass
16QAM	1717.5	1	0	23.83	-2.13	21.70	<=30	Pass
			38	23.77	-2.13	21.64	<=30	Pass
			74	23.79	-2.13	21.66	<=30	Pass
		36	0	21.87	-2.13	19.74	<=30	Pass
			18	21.84	-2.13	19.71	<=30	Pass
			39	21.81	-2.13	19.68	<=30	Pass
		75	0	21.80	-2.13	19.67	<=30	Pass
	1732.5	1	0	23.42	-2.13	21.29	<=30	Pass
			38	23.39	-2.13	21.26	<=30	Pass
			74	23.42	-2.13	21.29	<=30	Pass
		36	0	21.80	-2.13	19.67	<=30	Pass
			18	21.87	-2.13	19.74	<=30	Pass
			39	21.87	-2.13	19.74	<=30	Pass
		75	0	21.79	-2.13	19.66	<=30	Pass
	1747.5	1	0	23.64	-2.13	21.51	<=30	Pass
			38	23.77	-2.13	21.64	<=30	Pass
			74	23.85	-2.13	21.72	<=30	Pass
		36	0	21.98	-2.13	19.85	<=30	Pass
			18	22.04	-2.13	19.91	<=30	Pass
			39	21.97	-2.13	19.84	<=30	Pass
		75	0	22.01	-2.13	19.88	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.83	-2.13	21.70	<=30	Pass
			50	23.73	-2.13	21.60	<=30	Pass
			99	23.66	-2.13	21.53	<=30	Pass
		50	0	22.80	-2.13	20.67	<=30	Pass
			25	22.73	-2.13	20.60	<=30	Pass
			50	22.80	-2.13	20.67	<=30	Pass
		100	0	22.77	-2.13	20.64	<=30	Pass
	1732.5	1	0	23.81	-2.13	21.68	<=30	Pass
			50	23.73	-2.13	21.60	<=30	Pass
			99	23.90	-2.13	21.77	<=30	Pass
		50	0	22.75	-2.13	20.62	<=30	Pass
			25	22.76	-2.13	20.63	<=30	Pass
			50	22.82	-2.13	20.69	<=30	Pass
		100	0	22.76	-2.13	20.63	<=30	Pass
	1745	1	0	23.98	-2.13	21.85	<=30	Pass
			50	23.88	-2.13	21.75	<=30	Pass
			99	24.08	-2.13	21.95	<=30	Pass
		50	0	22.87	-2.13	20.74	<=30	Pass
			25	22.94	-2.13	20.81	<=30	Pass
			50	22.99	-2.13	20.86	<=30	Pass
		100	0	22.87	-2.13	20.74	<=30	Pass
16QAM	1720	1	0	23.43	-2.13	21.30	<=30	Pass
			50	23.35	-2.13	21.22	<=30	Pass
			99	23.36	-2.13	21.23	<=30	Pass
		50	0	21.92	-2.13	19.79	<=30	Pass
			25	21.82	-2.13	19.69	<=30	Pass
			50	21.90	-2.13	19.77	<=30	Pass
		100	0	21.83	-2.13	19.70	<=30	Pass
	1732.5	1	0	24.09	-2.13	21.96	<=30	Pass
			50	24.07	-2.13	21.94	<=30	Pass
			99	24.14	-2.13	22.01	<=30	Pass
		50	0	21.77	-2.13	19.64	<=30	Pass
			25	21.77	-2.13	19.64	<=30	Pass
			50	21.86	-2.13	19.73	<=30	Pass
		100	0	21.90	-2.13	19.77	<=30	Pass
	1745	1	0	23.73	-2.13	21.60	<=30	Pass
			50	23.72	-2.13	21.59	<=30	Pass
			99	23.82	-2.13	21.69	<=30	Pass
		50	0	21.96	-2.13	19.83	<=30	Pass
			25	22.11	-2.13	19.98	<=30	Pass
			50	22.09	-2.13	19.96	<=30	Pass
		100	0	21.85	-2.13	19.72	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.29	17.538	0.0103	-2.5 to 2.5	Pass
					3.87	7.224	0.0042	-2.5 to 2.5	Pass
					4.45	-10.185	-0.0060	-2.5 to 2.5	Pass
				-30	3.87	-18.339	-0.0107	-2.5 to 2.5	Pass
				-20	3.87	2.661	0.0016	-2.5 to 2.5	Pass
				-10	3.87	-8.140	-0.0048	-2.5 to 2.5	Pass
				0	3.87	-17.967	-0.0105	-2.5 to 2.5	Pass
				10	3.87	-35.462	-0.0207	-2.5 to 2.5	Pass
				30	3.87	-21.787	-0.0127	-2.5 to 2.5	Pass
				40	3.87	-29.197	-0.0171	-2.5 to 2.5	Pass
				50	3.87	-27.895	-0.0163	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.29	44.932	0.0259	-2.5 to 2.5	Pass
					3.87	14.563	0.0084	-2.5 to 2.5	Pass
					4.45	26.021	0.0150	-2.5 to 2.5	Pass
				-30	3.87	2.217	0.0013	-2.5 to 2.5	Pass
				-20	3.87	-31.128	-0.0180	-2.5 to 2.5	Pass
				-10	3.87	-38.667	-0.0223	-2.5 to 2.5	Pass
				0	3.87	-20.514	-0.0118	-2.5 to 2.5	Pass
				10	3.87	-22.202	-0.0128	-2.5 to 2.5	Pass
				30	3.87	-24.362	-0.0141	-2.5 to 2.5	Pass
				40	3.87	-23.174	-0.0134	-2.5 to 2.5	Pass
				50	3.87	-15.578	-0.0090	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.29	12.531	0.0071	-2.5 to 2.5	Pass
					3.87	23.789	0.0136	-2.5 to 2.5	Pass
					4.45	-9.370	-0.0053	-2.5 to 2.5	Pass
				-30	3.87	6.452	0.0037	-2.5 to 2.5	Pass
				-20	3.87	-19.913	-0.0114	-2.5 to 2.5	Pass
				-10	3.87	-25.721	-0.0147	-2.5 to 2.5	Pass
				0	3.87	-10.257	-0.0058	-2.5 to 2.5	Pass
				10	3.87	0.801	0.0005	-2.5 to 2.5	Pass
				30	3.87	-11.745	-0.0067	-2.5 to 2.5	Pass
				40	3.87	-45.605	-0.0260	-2.5 to 2.5	Pass
				50	3.87	-16.279	-0.0093	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.29	-22.888	-0.0134	-2.5 to 2.5	Pass
					3.87	1.287	0.0008	-2.5 to 2.5	Pass
					4.45	-9.069	-0.0053	-2.5 to 2.5	Pass
				-30	3.87	-27.037	-0.0158	-2.5 to 2.5	Pass
				-20	3.87	-13.433	-0.0079	-2.5 to 2.5	Pass
				-10	3.87	-21.558	-0.0126	-2.5 to 2.5	Pass
				0	3.87	-16.994	-0.0099	-2.5 to 2.5	Pass
				10	3.87	-15.407	-0.0090	-2.5 to 2.5	Pass
				30	3.87	-15.807	-0.0092	-2.5 to 2.5	Pass
				40	3.87	-10.357	-0.0061	-2.5 to 2.5	Pass
				50	3.87	-2.460	-0.0014	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.29	-39.611	-0.0229	-2.5 to 2.5	Pass
					3.87	-26.078	-0.0151	-2.5 to 2.5	Pass
					4.45	-34.633	-0.0200	-2.5 to 2.5	Pass
				-30	3.87	-36.078	-0.0208	-2.5 to 2.5	Pass
				-20	3.87	4.921	0.0028	-2.5 to 2.5	Pass
				-10	3.87	1.917	0.0011	-2.5 to 2.5	Pass

				0	3.87	0.615	0.0004	-2.5 to 2.5	Pass
				10	3.87	-4.306	-0.0025	-2.5 to 2.5	Pass
				30	3.87	-5.393	-0.0031	-2.5 to 2.5	Pass
				40	3.87	-2.232	-0.0013	-2.5 to 2.5	Pass
				50	3.87	0.701	0.0004	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.29	-30.398	-0.0173	-2.5 to 2.5	Pass
					3.87	-35.205	-0.0201	-2.5 to 2.5	Pass
					4.45	-37.651	-0.0215	-2.5 to 2.5	Pass
				-30	3.87	4.048	0.0023	-2.5 to 2.5	Pass
				-20	3.87	5.293	0.0030	-2.5 to 2.5	Pass
				-10	3.87	18.654	0.0106	-2.5 to 2.5	Pass
				0	3.87	19.441	0.0111	-2.5 to 2.5	Pass
				10	3.87	27.380	0.0156	-2.5 to 2.5	Pass
				30	3.87	34.661	0.0198	-2.5 to 2.5	Pass
				40	3.87	39.496	0.0225	-2.5 to 2.5	Pass
				50	3.87	10.471	0.0060	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.29	0.157	0.0001	-2.5 to 2.5	Pass
					3.87	9.699	0.0057	-2.5 to 2.5	Pass
					4.45	-14.234	-0.0083	-2.5 to 2.5	Pass
				-30	3.87	-33.388	-0.0195	-2.5 to 2.5	Pass
				-20	3.87	-21.100	-0.0123	-2.5 to 2.5	Pass
				-10	3.87	-34.447	-0.0201	-2.5 to 2.5	Pass
				0	3.87	-29.469	-0.0172	-2.5 to 2.5	Pass
				10	3.87	-20.800	-0.0122	-2.5 to 2.5	Pass
				30	3.87	-11.473	-0.0067	-2.5 to 2.5	Pass
				40	3.87	-29.798	-0.0174	-2.5 to 2.5	Pass
				50	3.87	1.602	0.0009	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.29	-6.709	-0.0039	-2.5 to 2.5	Pass
					3.87	21.143	0.0122	-2.5 to 2.5	Pass
					4.45	1.874	0.0011	-2.5 to 2.5	Pass
				-30	3.87	18.997	0.0110	-2.5 to 2.5	Pass
				-20	3.87	26.422	0.0153	-2.5 to 2.5	Pass
				-10	3.87	31.257	0.0180	-2.5 to 2.5	Pass
				0	3.87	-1.631	-0.0009	-2.5 to 2.5	Pass
				10	3.87	7.324	0.0042	-2.5 to 2.5	Pass
				30	3.87	6.824	0.0039	-2.5 to 2.5	Pass
				40	3.87	12.674	0.0073	-2.5 to 2.5	Pass
				50	3.87	17.424	0.0101	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.29	17.238	0.0098	-2.5 to 2.5	Pass
					3.87	0.143	0.0001	-2.5 to 2.5	Pass
					4.45	5.207	0.0030	-2.5 to 2.5	Pass
				-30	3.87	3.791	0.0022	-2.5 to 2.5	Pass
				-20	3.87	-12.431	-0.0071	-2.5 to 2.5	Pass
				-10	3.87	-32.558	-0.0186	-2.5 to 2.5	Pass
				0	3.87	25.549	0.0146	-2.5 to 2.5	Pass
				10	3.87	7.725	0.0044	-2.5 to 2.5	Pass
				30	3.87	-7.596	-0.0043	-2.5 to 2.5	Pass
				40	3.87	-20.242	-0.0115	-2.5 to 2.5	Pass
				50	3.87	-3.033	-0.0017	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.29	-35.477	-0.0207	-2.5 to 2.5	Pass
					3.87	-22.273	-0.0130	-2.5 to 2.5	Pass
					4.45	2.275	0.0013	-2.5 to 2.5	Pass

				-30	3.87	0.887	0.0005	-2.5 to 2.5	Pass
				-20	3.87	-43.659	-0.0255	-2.5 to 2.5	Pass
				-10	3.87	-13.976	-0.0082	-2.5 to 2.5	Pass
				0	3.87	-6.795	-0.0040	-2.5 to 2.5	Pass
				10	3.87	-45.977	-0.0269	-2.5 to 2.5	Pass
				30	3.87	-30.313	-0.0177	-2.5 to 2.5	Pass
				40	3.87	-32.501	-0.0190	-2.5 to 2.5	Pass
				50	3.87	17.495	0.0102	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.29	18.396	0.0106	-2.5 to 2.5	Pass
					3.87	23.861	0.0138	-2.5 to 2.5	Pass
					4.45	16.308	0.0094	-2.5 to 2.5	Pass
				-30	3.87	19.555	0.0113	-2.5 to 2.5	Pass
				-20	3.87	19.298	0.0111	-2.5 to 2.5	Pass
				-10	3.87	20.428	0.0118	-2.5 to 2.5	Pass
				0	3.87	25.120	0.0145	-2.5 to 2.5	Pass
				10	3.87	32.473	0.0187	-2.5 to 2.5	Pass
				30	3.87	29.597	0.0171	-2.5 to 2.5	Pass
				40	3.87	27.924	0.0161	-2.5 to 2.5	Pass
				50	3.87	19.884	0.0115	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.29	-36.950	-0.0211	-2.5 to 2.5	Pass
					3.87	-24.991	-0.0143	-2.5 to 2.5	Pass
					4.45	-35.477	-0.0202	-2.5 to 2.5	Pass
				-30	3.87	-17.982	-0.0103	-2.5 to 2.5	Pass
				-20	3.87	-10.743	-0.0061	-2.5 to 2.5	Pass
				-10	3.87	-19.484	-0.0111	-2.5 to 2.5	Pass
				0	3.87	-21.286	-0.0121	-2.5 to 2.5	Pass
				10	3.87	-31.343	-0.0179	-2.5 to 2.5	Pass
				30	3.87	-39.325	-0.0224	-2.5 to 2.5	Pass
				40	3.87	-38.595	-0.0220	-2.5 to 2.5	Pass
				50	3.87	-34.561	-0.0197	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.29	16.265	0.0095	-2.5 to 2.5	Pass
					3.87	30.084	0.0176	-2.5 to 2.5	Pass
					4.45	-0.315	-0.0002	-2.5 to 2.5	Pass
				-30	3.87	-12.674	-0.0074	-2.5 to 2.5	Pass
				-20	3.87	-33.803	-0.0197	-2.5 to 2.5	Pass
				-10	3.87	-7.610	-0.0044	-2.5 to 2.5	Pass
				0	3.87	-26.722	-0.0156	-2.5 to 2.5	Pass
				10	3.87	-7.067	-0.0041	-2.5 to 2.5	Pass
				30	3.87	-28.410	-0.0166	-2.5 to 2.5	Pass
				40	3.87	-5.250	-0.0031	-2.5 to 2.5	Pass
				50	3.87	-24.519	-0.0143	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.29	32.630	0.0188	-2.5 to 2.5	Pass
					3.87	30.112	0.0174	-2.5 to 2.5	Pass
					4.45	-6.294	-0.0036	-2.5 to 2.5	Pass
				-30	3.87	-8.998	-0.0052	-2.5 to 2.5	Pass
				-20	3.87	0.372	0.0002	-2.5 to 2.5	Pass
				-10	3.87	2.847	0.0016	-2.5 to 2.5	Pass
				0	3.87	-16.594	-0.0096	-2.5 to 2.5	Pass
				10	3.87	-31.843	-0.0184	-2.5 to 2.5	Pass
				30	3.87	-17.138	-0.0099	-2.5 to 2.5	Pass
				40	3.87	3.648	0.0021	-2.5 to 2.5	Pass
				50	3.87	39.897	0.0230	-2.5 to 2.5	Pass

	1752.5	25	0	20	3.29	10.557	0.0060	-2.5 to 2.5	Pass
					3.87	-3.991	-0.0023	-2.5 to 2.5	Pass
					4.45	1.659	0.0009	-2.5 to 2.5	Pass
				-30	3.87	-7.095	-0.0040	-2.5 to 2.5	Pass
				-20	3.87	-24.333	-0.0139	-2.5 to 2.5	Pass
				-10	3.87	-12.317	-0.0070	-2.5 to 2.5	Pass
				0	3.87	12.102	0.0069	-2.5 to 2.5	Pass
				10	3.87	-4.950	-0.0028	-2.5 to 2.5	Pass
				30	3.87	-20.685	-0.0118	-2.5 to 2.5	Pass
				40	3.87	-34.919	-0.0199	-2.5 to 2.5	Pass
				50	3.87	-10.672	-0.0061	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.29	-36.664	-0.0214	-2.5 to 2.5	Pass
					3.87	-10.915	-0.0064	-2.5 to 2.5	Pass
					4.45	-18.640	-0.0109	-2.5 to 2.5	Pass
				-30	3.87	-16.437	-0.0096	-2.5 to 2.5	Pass
				-20	3.87	-13.018	-0.0076	-2.5 to 2.5	Pass
				-10	3.87	-11.673	-0.0068	-2.5 to 2.5	Pass
				0	3.87	-15.535	-0.0091	-2.5 to 2.5	Pass
				10	3.87	17.424	0.0102	-2.5 to 2.5	Pass
				30	3.87	26.536	0.0155	-2.5 to 2.5	Pass
				40	3.87	25.864	0.0151	-2.5 to 2.5	Pass
				50	3.87	25.878	0.0151	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.29	1.245	0.0007	-2.5 to 2.5	Pass
					3.87	14.691	0.0085	-2.5 to 2.5	Pass
					4.45	-13.075	-0.0075	-2.5 to 2.5	Pass
				-30	3.87	8.583	0.0050	-2.5 to 2.5	Pass
				-20	3.87	18.811	0.0109	-2.5 to 2.5	Pass
				-10	3.87	2.375	0.0014	-2.5 to 2.5	Pass
				0	3.87	23.975	0.0138	-2.5 to 2.5	Pass
				10	3.87	-7.782	-0.0045	-2.5 to 2.5	Pass
				30	3.87	15.364	0.0089	-2.5 to 2.5	Pass
				40	3.87	28.496	0.0164	-2.5 to 2.5	Pass
				50	3.87	6.924	0.0040	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.29	-15.063	-0.0086	-2.5 to 2.5	Pass
					3.87	-16.251	-0.0093	-2.5 to 2.5	Pass
					4.45	-16.551	-0.0094	-2.5 to 2.5	Pass
				-30	3.87	-5.550	-0.0032	-2.5 to 2.5	Pass
				-20	3.87	4.535	0.0026	-2.5 to 2.5	Pass
				-10	3.87	6.294	0.0036	-2.5 to 2.5	Pass
				0	3.87	14.548	0.0083	-2.5 to 2.5	Pass
				10	3.87	25.678	0.0147	-2.5 to 2.5	Pass
				30	3.87	2.618	0.0015	-2.5 to 2.5	Pass
				40	3.87	20.356	0.0116	-2.5 to 2.5	Pass
				50	3.87	25.907	0.0148	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.29	25.849	0.0151	-2.5 to 2.5	Pass
					3.87	4.363	0.0025	-2.5 to 2.5	Pass
					4.45	-12.217	-0.0071	-2.5 to 2.5	Pass
				-30	3.87	-24.133	-0.0141	-2.5 to 2.5	Pass
				-20	3.87	-19.283	-0.0112	-2.5 to 2.5	Pass
				-10	3.87	-20.385	-0.0119	-2.5 to 2.5	Pass
				0	3.87	-27.566	-0.0161	-2.5 to 2.5	Pass
				10	3.87	-15.950	-0.0093	-2.5 to 2.5	Pass

				30	3.87	-16.122	-0.0094	-2.5 to 2.5	Pass
				40	3.87	-17.824	-0.0104	-2.5 to 2.5	Pass
				50	3.87	25.549	0.0149	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.29	11.330	0.0065	-2.5 to 2.5	Pass
					3.87	34.561	0.0199	-2.5 to 2.5	Pass
					4.45	33.932	0.0196	-2.5 to 2.5	Pass
				-30	3.87	21.029	0.0121	-2.5 to 2.5	Pass
				-20	3.87	36.092	0.0208	-2.5 to 2.5	Pass
				-10	3.87	15.736	0.0091	-2.5 to 2.5	Pass
				0	3.87	26.379	0.0152	-2.5 to 2.5	Pass
				10	3.87	14.806	0.0085	-2.5 to 2.5	Pass
				30	3.87	14.305	0.0083	-2.5 to 2.5	Pass
				40	3.87	24.276	0.0140	-2.5 to 2.5	Pass
				50	3.87	37.508	0.0216	-2.5 to 2.5	Pass
	1750	50	0	20	3.29	-23.704	-0.0135	-2.5 to 2.5	Pass
					3.87	5.865	0.0034	-2.5 to 2.5	Pass
					4.45	-10.328	-0.0059	-2.5 to 2.5	Pass
				-30	3.87	-29.669	-0.0170	-2.5 to 2.5	Pass
				-20	3.87	-5.722	-0.0033	-2.5 to 2.5	Pass
				-10	3.87	-11.387	-0.0065	-2.5 to 2.5	Pass
				0	3.87	-11.201	-0.0064	-2.5 to 2.5	Pass
				10	3.87	-1.917	-0.0011	-2.5 to 2.5	Pass
				30	3.87	-7.110	-0.0041	-2.5 to 2.5	Pass
				40	3.87	-7.796	-0.0045	-2.5 to 2.5	Pass
				50	3.87	-12.102	-0.0069	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.29	10.800	0.0063	-2.5 to 2.5	Pass
					3.87	12.074	0.0070	-2.5 to 2.5	Pass
					4.45	30.112	0.0176	-2.5 to 2.5	Pass
				-30	3.87	0.272	0.0002	-2.5 to 2.5	Pass
				-20	3.87	20.313	0.0118	-2.5 to 2.5	Pass
				-10	3.87	25.935	0.0151	-2.5 to 2.5	Pass
				0	3.87	31.600	0.0184	-2.5 to 2.5	Pass
				10	3.87	39.797	0.0232	-2.5 to 2.5	Pass
				30	3.87	14.763	0.0086	-2.5 to 2.5	Pass
				40	3.87	23.689	0.0138	-2.5 to 2.5	Pass
				50	3.87	25.849	0.0151	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.29	39.854	0.0230	-2.5 to 2.5	Pass
					3.87	23.046	0.0133	-2.5 to 2.5	Pass
					4.45	10.300	0.0059	-2.5 to 2.5	Pass
				-30	3.87	5.264	0.0030	-2.5 to 2.5	Pass
				-20	3.87	7.753	0.0045	-2.5 to 2.5	Pass
				-10	3.87	26.951	0.0156	-2.5 to 2.5	Pass
				0	3.87	1.373	0.0008	-2.5 to 2.5	Pass
				10	3.87	12.245	0.0071	-2.5 to 2.5	Pass
				30	3.87	18.597	0.0107	-2.5 to 2.5	Pass
				40	3.87	0.343	0.0002	-2.5 to 2.5	Pass
				50	3.87	15.836	0.0091	-2.5 to 2.5	Pass
	1750	50	0	20	3.29	-8.354	-0.0048	-2.5 to 2.5	Pass
					3.87	-0.343	-0.0002	-2.5 to 2.5	Pass
					4.45	10.657	0.0061	-2.5 to 2.5	Pass
				-30	3.87	26.221	0.0150	-2.5 to 2.5	Pass
				-20	3.87	10.057	0.0057	-2.5 to 2.5	Pass
				-10	3.87	32.487	0.0186	-2.5 to 2.5	Pass
				0	3.87	10.614	0.0061	-2.5 to 2.5	Pass
				10	3.87	21.715	0.0124	-2.5 to 2.5	Pass
				30	3.87	11.559	0.0066	-2.5 to 2.5	Pass
				40	3.87	22.516	0.0129	-2.5 to 2.5	Pass
				50	3.87	8.569	0.0049	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.29	22.545	0.0131	-2.5 to 2.5	Pass
					3.87	-22.531	-0.0131	-2.5 to 2.5	Pass
					4.45	-18.940	-0.0110	-2.5 to 2.5	Pass
				-30	3.87	-2.360	-0.0014	-2.5 to 2.5	Pass
				-20	3.87	-26.636	-0.0155	-2.5 to 2.5	Pass
				-10	3.87	-34.833	-0.0203	-2.5 to 2.5	Pass
				0	3.87	-28.896	-0.0168	-2.5 to 2.5	Pass
				10	3.87	-15.879	-0.0092	-2.5 to 2.5	Pass
				30	3.87	-1.488	-0.0009	-2.5 to 2.5	Pass
				40	3.87	-23.746	-0.0138	-2.5 to 2.5	Pass
				50	3.87	-3.419	-0.0020	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.29	6.366	0.0037	-2.5 to 2.5	Pass
					3.87	32.401	0.0187	-2.5 to 2.5	Pass
					4.45	25.535	0.0147	-2.5 to 2.5	Pass
				-30	3.87	35.548	0.0205	-2.5 to 2.5	Pass
				-20	3.87	23.375	0.0135	-2.5 to 2.5	Pass
				-10	3.87	10.242	0.0059	-2.5 to 2.5	Pass
				0	3.87	10.743	0.0062	-2.5 to 2.5	Pass
				10	3.87	19.469	0.0112	-2.5 to 2.5	Pass
				30	3.87	-0.973	-0.0006	-2.5 to 2.5	Pass
				40	3.87	-13.962	-0.0081	-2.5 to 2.5	Pass
				50	3.87	-2.604	-0.0015	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.29	16.251	0.0093	-2.5 to 2.5	Pass
					3.87	39.840	0.0228	-2.5 to 2.5	Pass
					4.45	31.586	0.0181	-2.5 to 2.5	Pass
				-30	3.87	18.454	0.0106	-2.5 to 2.5	Pass
				-20	3.87	-2.704	-0.0015	-2.5 to 2.5	Pass
				-10	3.87	-18.754	-0.0107	-2.5 to 2.5	Pass
				0	3.87	-11.988	-0.0069	-2.5 to 2.5	Pass
				10	3.87	-27.037	-0.0155	-2.5 to 2.5	Pass
				30	3.87	-36.063	-0.0206	-2.5 to 2.5	Pass
				40	3.87	-35.877	-0.0205	-2.5 to 2.5	Pass
				50	3.87	-37.580	-0.0215	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.29	-15.736	-0.0092	-2.5 to 2.5	Pass
					3.87	-19.083	-0.0111	-2.5 to 2.5	Pass
					4.45	1.559	0.0009	-2.5 to 2.5	Pass
				-30	3.87	18.582	0.0108	-2.5 to 2.5	Pass
				-20	3.87	30.770	0.0179	-2.5 to 2.5	Pass
				-10	3.87	20.370	0.0119	-2.5 to 2.5	Pass
				0	3.87	29.168	0.0170	-2.5 to 2.5	Pass
				10	3.87	16.751	0.0098	-2.5 to 2.5	Pass
				30	3.87	14.005	0.0082	-2.5 to 2.5	Pass
				40	3.87	18.725	0.0109	-2.5 to 2.5	Pass
				50	3.87	19.884	0.0116	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.29	14.763	0.0085	-2.5 to 2.5	Pass
					3.87	29.354	0.0169	-2.5 to 2.5	Pass
					4.45	37.022	0.0214	-2.5 to 2.5	Pass
				-30	3.87	-0.072	0.0000	-2.5 to 2.5	Pass
				-20	3.87	28.968	0.0167	-2.5 to 2.5	Pass
				-10	3.87	4.606	0.0027	-2.5 to 2.5	Pass
				0	3.87	30.842	0.0178	-2.5 to 2.5	Pass
				10	3.87	7.524	0.0043	-2.5 to 2.5	Pass
				30	3.87	23.432	0.0135	-2.5 to 2.5	Pass
				40	3.87	17.738	0.0102	-2.5 to 2.5	Pass
				50	3.87	21.787	0.0126	-2.5 to 2.5	Pass

	1747.5	75	0	20	3.29	-35.934	-0.0206	-2.5 to 2.5	Pass
					3.87	12.589	0.0072	-2.5 to 2.5	Pass
					4.45	15.593	0.0089	-2.5 to 2.5	Pass
				-30	3.87	4.549	0.0026	-2.5 to 2.5	Pass
				-20	3.87	30.255	0.0173	-2.5 to 2.5	Pass
				-10	3.87	17.710	0.0101	-2.5 to 2.5	Pass
				0	3.87	32.058	0.0183	-2.5 to 2.5	Pass
				10	3.87	1.359	0.0008	-2.5 to 2.5	Pass
				30	3.87	9.456	0.0054	-2.5 to 2.5	Pass
				40	3.87	26.708	0.0153	-2.5 to 2.5	Pass
				50	3.87	37.394	0.0214	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.29	13.218	0.0077	-2.5 to 2.5	Pass
					3.87	-31.843	-0.0185	-2.5 to 2.5	Pass
					4.45	-23.718	-0.0138	-2.5 to 2.5	Pass
				-30	3.87	-29.325	-0.0170	-2.5 to 2.5	Pass
				-20	3.87	-18.268	-0.0106	-2.5 to 2.5	Pass
				-10	3.87	-38.109	-0.0222	-2.5 to 2.5	Pass
				0	3.87	8.397	0.0049	-2.5 to 2.5	Pass
				10	3.87	-32.229	-0.0187	-2.5 to 2.5	Pass
				30	3.87	-10.800	-0.0063	-2.5 to 2.5	Pass
				40	3.87	-26.908	-0.0156	-2.5 to 2.5	Pass
				50	3.87	0.701	0.0004	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.29	28.782	0.0166	-2.5 to 2.5	Pass
					3.87	30.470	0.0176	-2.5 to 2.5	Pass
					4.45	28.567	0.0165	-2.5 to 2.5	Pass
				-30	3.87	14.920	0.0086	-2.5 to 2.5	Pass
				-20	3.87	16.294	0.0094	-2.5 to 2.5	Pass
				-10	3.87	14.534	0.0084	-2.5 to 2.5	Pass
				0	3.87	-14.892	-0.0086	-2.5 to 2.5	Pass
				10	3.87	-12.302	-0.0071	-2.5 to 2.5	Pass
				30	3.87	-5.465	-0.0032	-2.5 to 2.5	Pass
				40	3.87	-0.973	-0.0006	-2.5 to 2.5	Pass
				50	3.87	15.564	0.0090	-2.5 to 2.5	Pass
	1745	100	0	20	3.29	9.456	0.0054	-2.5 to 2.5	Pass
					3.87	-9.799	-0.0056	-2.5 to 2.5	Pass
					4.45	-32.086	-0.0184	-2.5 to 2.5	Pass
				-30	3.87	3.219	0.0018	-2.5 to 2.5	Pass
				-20	3.87	-9.241	-0.0053	-2.5 to 2.5	Pass
				-10	3.87	-2.732	-0.0016	-2.5 to 2.5	Pass
				0	3.87	-7.467	-0.0043	-2.5 to 2.5	Pass
				10	3.87	-11.973	-0.0069	-2.5 to 2.5	Pass
				30	3.87	-16.465	-0.0094	-2.5 to 2.5	Pass
				40	3.87	-14.863	-0.0085	-2.5 to 2.5	Pass
				50	3.87	-0.215	-0.0001	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.29	-11.816	-0.0069	-2.5 to 2.5	Pass
					3.87	-1.130	-0.0007	-2.5 to 2.5	Pass
					4.45	29.097	0.0169	-2.5 to 2.5	Pass
				-30	3.87	11.258	0.0065	-2.5 to 2.5	Pass
				-20	3.87	23.875	0.0139	-2.5 to 2.5	Pass
				-10	3.87	21.143	0.0123	-2.5 to 2.5	Pass
				0	3.87	25.363	0.0147	-2.5 to 2.5	Pass
				10	3.87	19.970	0.0116	-2.5 to 2.5	Pass

				30	3.87	34.275	0.0199	-2.5 to 2.5	Pass
				40	3.87	41.456	0.0241	-2.5 to 2.5	Pass
				50	3.87	2.918	0.0017	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.29	-0.072	0.0000	-2.5 to 2.5	Pass
					3.87	28.653	0.0165	-2.5 to 2.5	Pass
					4.45	22.244	0.0128	-2.5 to 2.5	Pass
				-30	3.87	16.265	0.0094	-2.5 to 2.5	Pass
				-20	3.87	10.228	0.0059	-2.5 to 2.5	Pass
				-10	3.87	8.140	0.0047	-2.5 to 2.5	Pass
				0	3.87	24.304	0.0140	-2.5 to 2.5	Pass
				10	3.87	33.245	0.0192	-2.5 to 2.5	Pass
				30	3.87	21.601	0.0125	-2.5 to 2.5	Pass
				40	3.87	22.087	0.0127	-2.5 to 2.5	Pass
				50	3.87	28.825	0.0166	-2.5 to 2.5	Pass
	1745	100	0	20	3.29	7.167	0.0041	-2.5 to 2.5	Pass
					3.87	16.780	0.0096	-2.5 to 2.5	Pass
					4.45	27.151	0.0156	-2.5 to 2.5	Pass
				-30	3.87	3.290	0.0019	-2.5 to 2.5	Pass
				-20	3.87	9.255	0.0053	-2.5 to 2.5	Pass
				-10	3.87	8.340	0.0048	-2.5 to 2.5	Pass
				0	3.87	30.584	0.0175	-2.5 to 2.5	Pass
				10	3.87	11.573	0.0066	-2.5 to 2.5	Pass
				30	3.87	-24.862	-0.0142	-2.5 to 2.5	Pass
				40	3.87	-11.458	-0.0066	-2.5 to 2.5	Pass
				50	3.87	11.659	0.0067	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

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

3.1.2 B4_3MHz

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

3.1.3 B4_5MHz

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

3.1.4 B4_10MHz

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

3.1.5 B4_15MHz

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

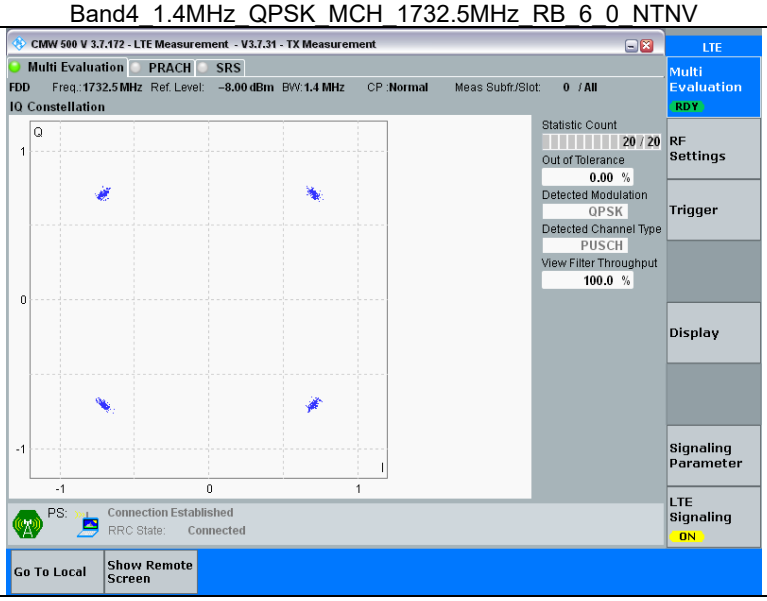
3.1.6 B4_20MHz

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

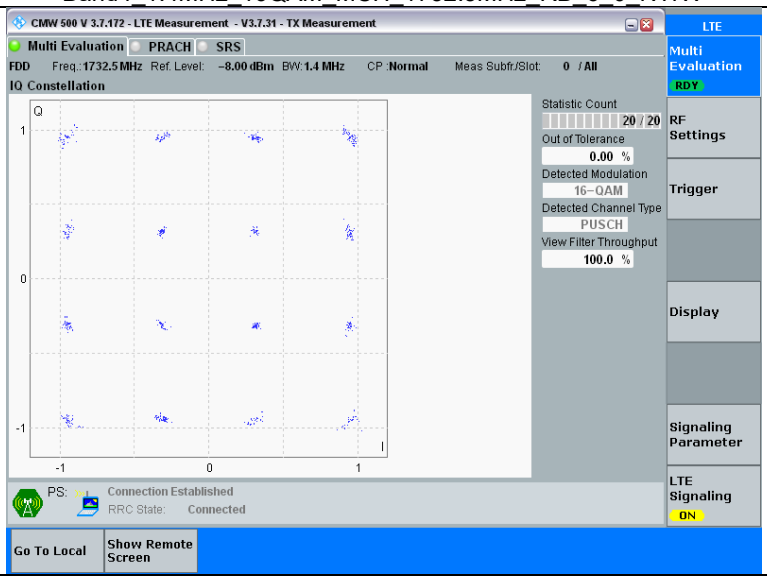
3.2 Test Graph

3.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

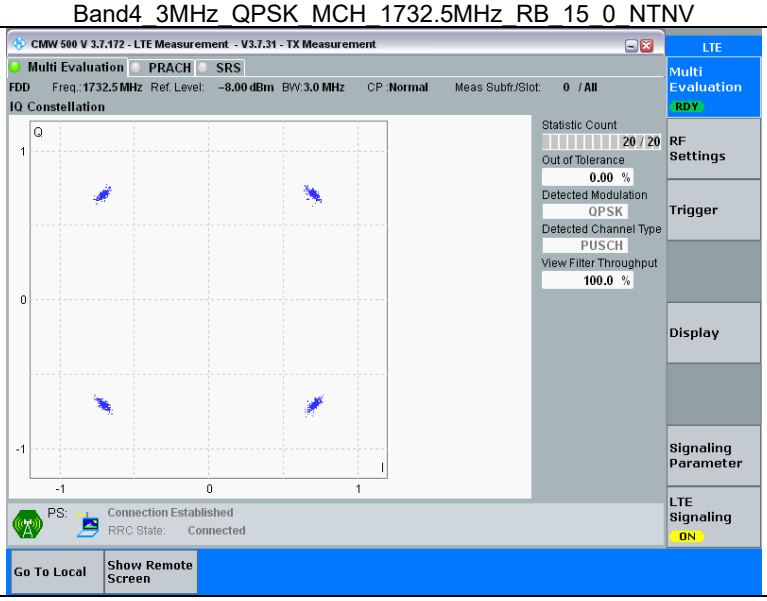


Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

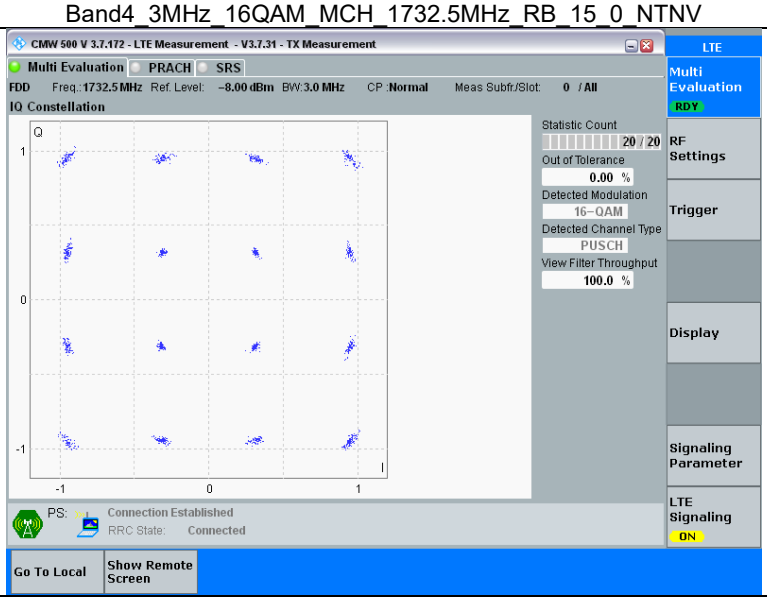


3.2.2 B4_3MHz

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

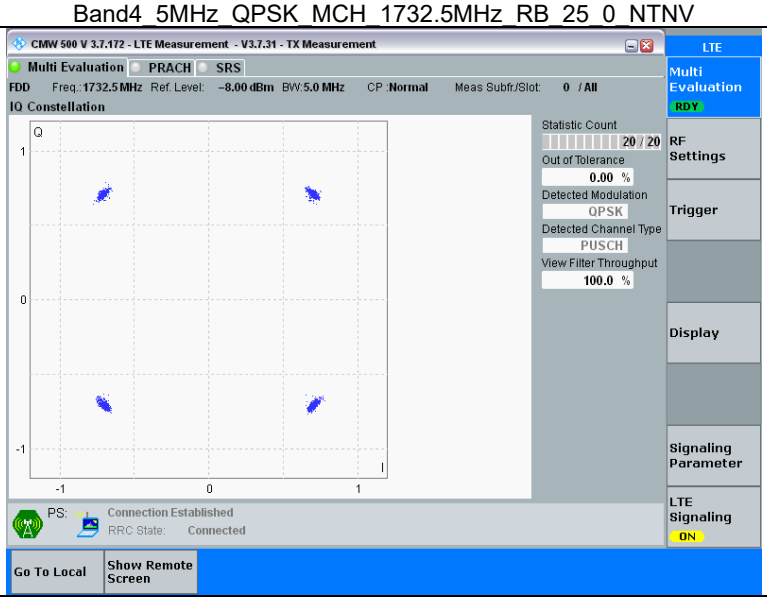


Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

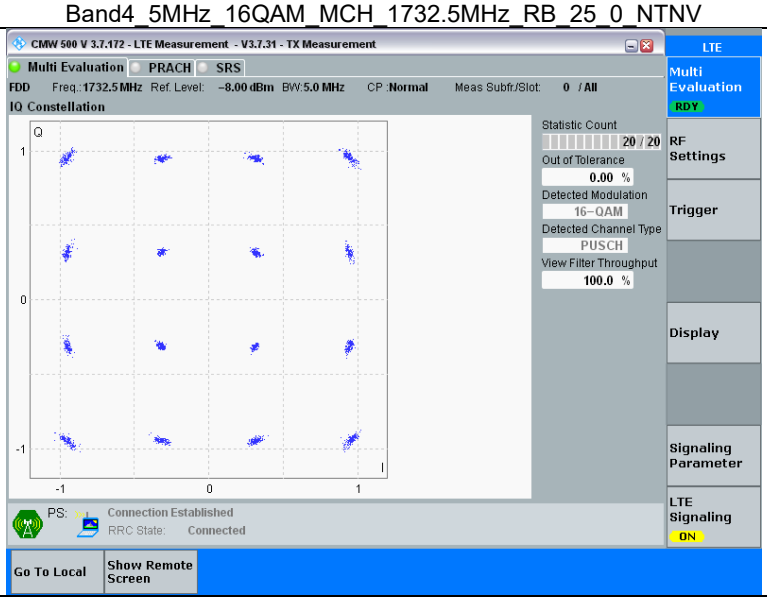


3.2.3 B4_5MHz

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

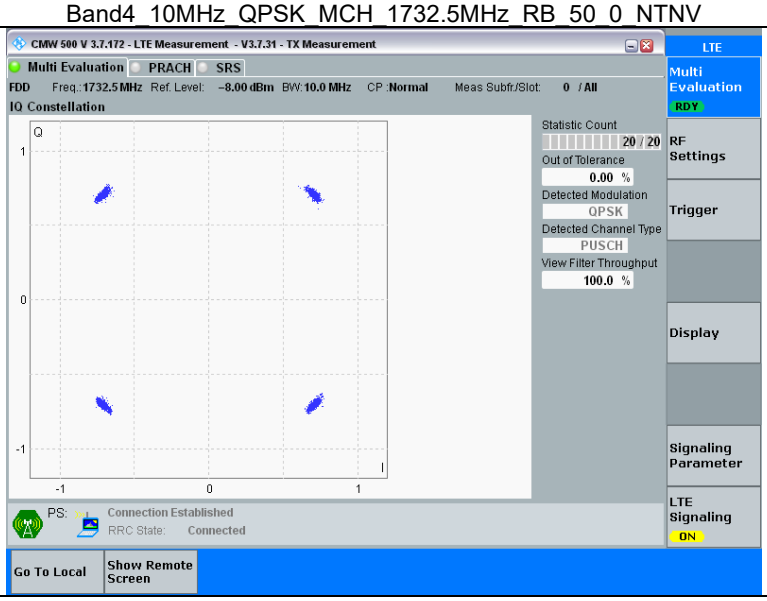


Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

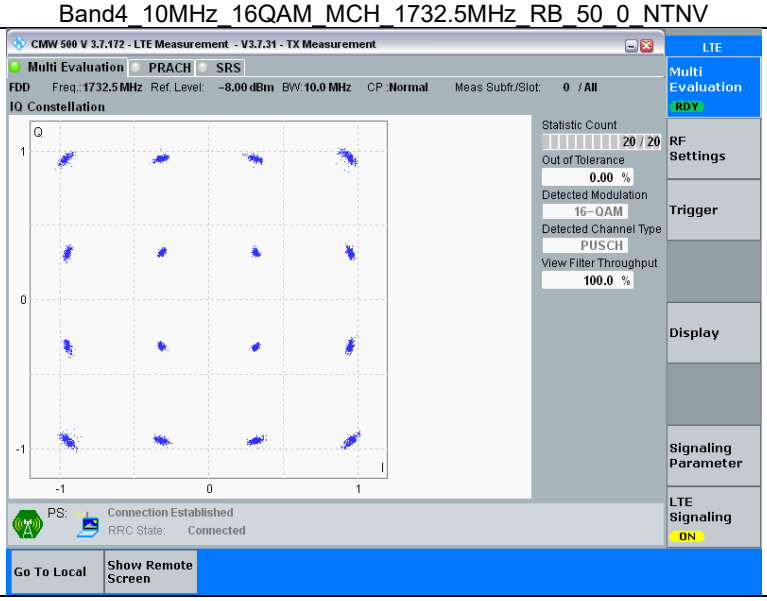


3.2.4 B4_10MHz

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

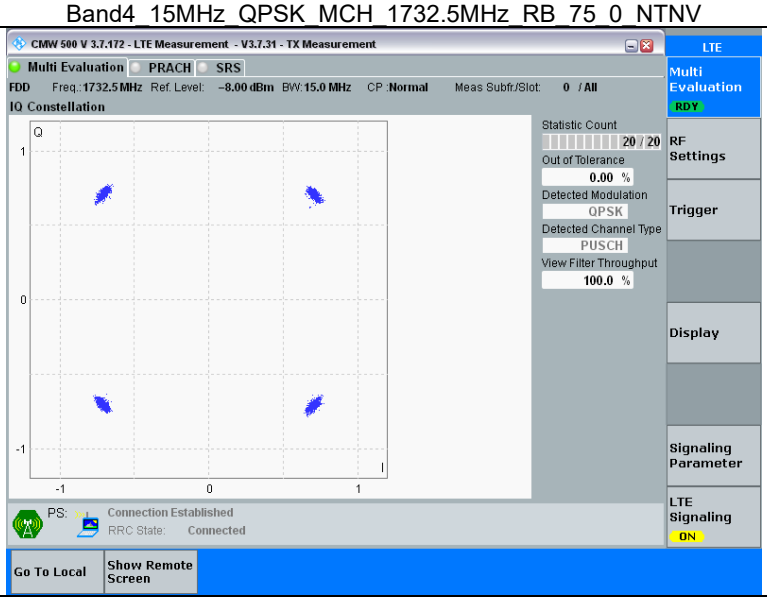


Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

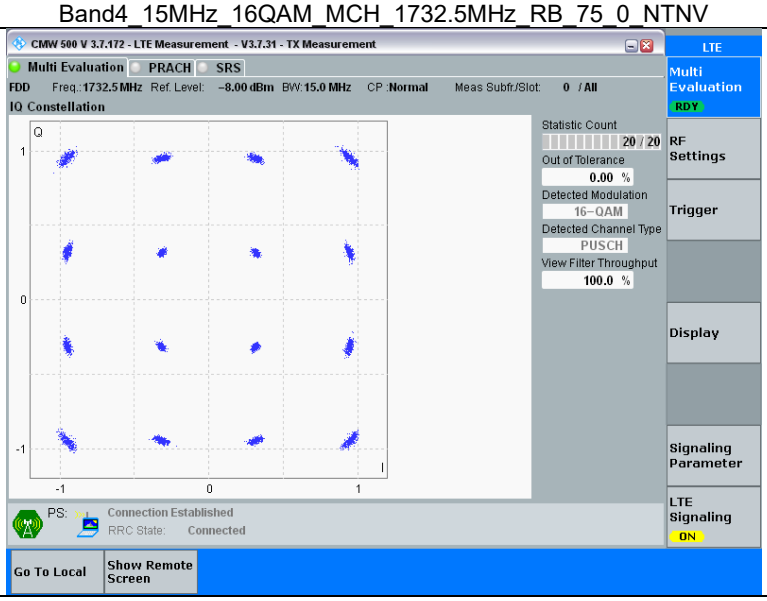


3.2.5 B4_15MHz

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

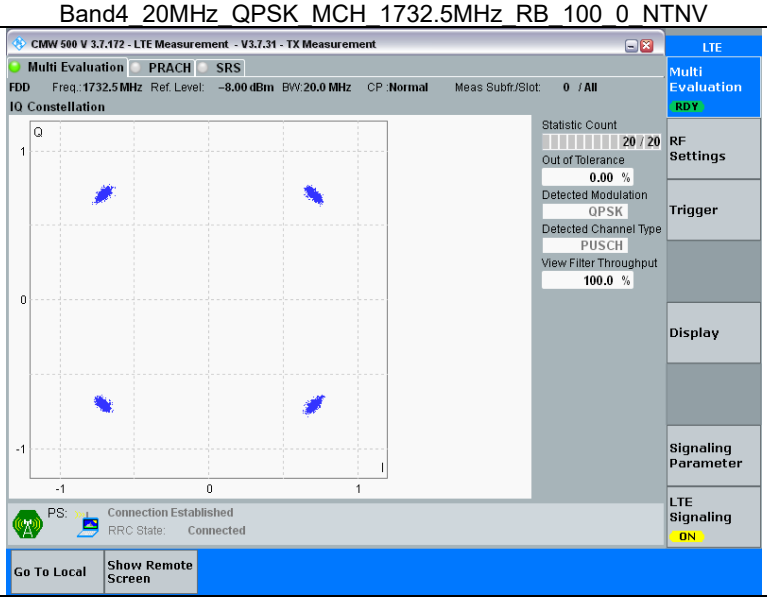


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

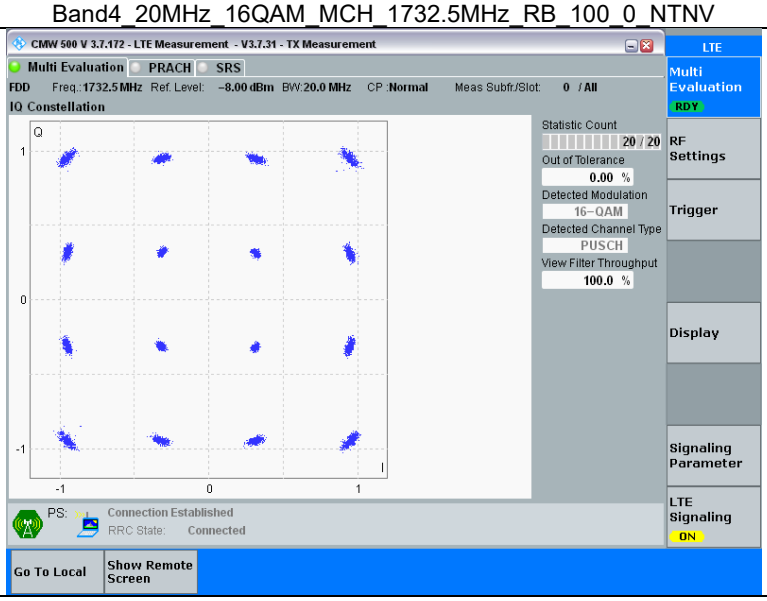


3.2.6 B4_20MHz

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band4_OBW

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.117	/	Pass
		1732.5	6	0	1.114	/	Pass
		1754.3	6	0	1.110	/	Pass
	16QAM	1710.7	6	0	1.115	/	Pass
		1732.5	6	0	1.104	/	Pass
		1754.3	6	0	1.115	/	Pass
3	QPSK	1711.5	15	0	2.761	/	Pass
		1732.5	15	0	2.750	/	Pass
		1753.5	15	0	2.759	/	Pass
	16QAM	1711.5	15	0	2.767	/	Pass
		1732.5	15	0	2.746	/	Pass
		1753.5	15	0	2.746	/	Pass
5	QPSK	1712.5	25	0	4.565	/	Pass
		1732.5	25	0	4.543	/	Pass
		1752.5	25	0	4.548	/	Pass
	16QAM	1712.5	25	0	4.528	/	Pass
		1732.5	25	0	4.565	/	Pass
		1752.5	25	0	4.551	/	Pass
10	QPSK	1715	50	0	9.049	/	Pass
		1732.5	50	0	9.097	/	Pass
		1750	50	0	9.051	/	Pass
	16QAM	1715	50	0	9.047	/	Pass
		1732.5	50	0	9.079	/	Pass
		1750	50	0	9.096	/	Pass
15	QPSK	1717.5	75	0	13.622	/	Pass
		1732.5	75	0	13.607	/	Pass
		1747.5	75	0	13.572	/	Pass
	16QAM	1717.5	75	0	13.602	/	Pass
		1732.5	75	0	13.625	/	Pass
		1747.5	75	0	13.628	/	Pass
20	QPSK	1720	100	0	18.159	/	Pass
		1732.5	100	0	18.148	/	Pass
		1745	100	0	18.156	/	Pass
	16QAM	1720	100	0	18.180	/	Pass
		1732.5	100	0	18.114	/	Pass
		1745	100	0	18.108	/	Pass

4.1.2 Band4_XDB

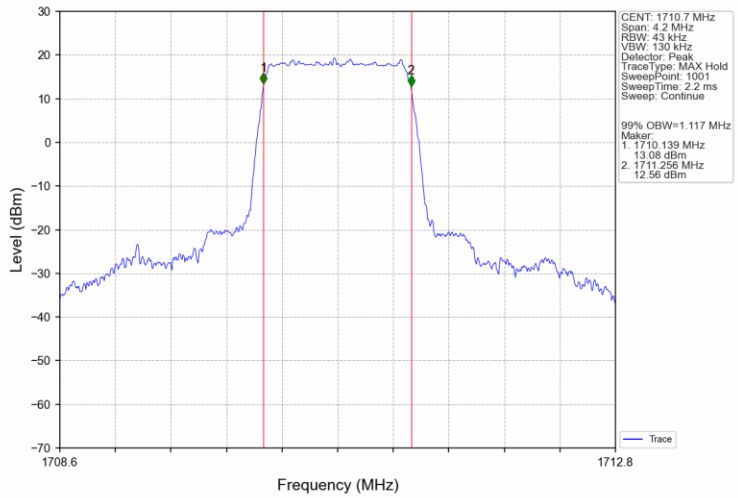
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.271	/	Pass
		1732.5	6	0	1.273	/	Pass
		1754.3	6	0	1.278	/	Pass
	16QAM	1710.7	6	0	1.272	/	Pass
		1732.5	6	0	1.267	/	Pass
		1754.3	6	0	1.266	/	Pass
3	QPSK	1711.5	15	0	3.110	/	Pass

		1732.5	15	0	3.102	/	Pass
		1753.5	15	0	3.090	/	Pass
	16QAM	1711.5	15	0	3.094	/	Pass
		1732.5	15	0	3.121	/	Pass
		1753.5	15	0	3.090	/	Pass
5	QPSK	1712.5	25	0	5.051	/	Pass
		1732.5	25	0	5.079	/	Pass
		1752.5	25	0	5.049	/	Pass
	16QAM	1712.5	25	0	5.046	/	Pass
		1732.5	25	0	5.048	/	Pass
		1752.5	25	0	5.060	/	Pass
10	QPSK	1715	50	0	10.053	/	Pass
		1732.5	50	0	10.005	/	Pass
		1750	50	0	10.023	/	Pass
	16QAM	1715	50	0	10.049	/	Pass
		1732.5	50	0	10.085	/	Pass
		1750	50	0	10.030	/	Pass
15	QPSK	1717.5	75	0	15.231	/	Pass
		1732.5	75	0	15.114	/	Pass
		1747.5	75	0	15.096	/	Pass
	16QAM	1717.5	75	0	15.211	/	Pass
		1732.5	75	0	15.158	/	Pass
		1747.5	75	0	15.139	/	Pass
20	QPSK	1720	100	0	20.015	/	Pass
		1732.5	100	0	19.968	/	Pass
		1745	100	0	20.012	/	Pass
	16QAM	1720	100	0	20.013	/	Pass
		1732.5	100	0	20.076	/	Pass
		1745	100	0	19.986	/	Pass

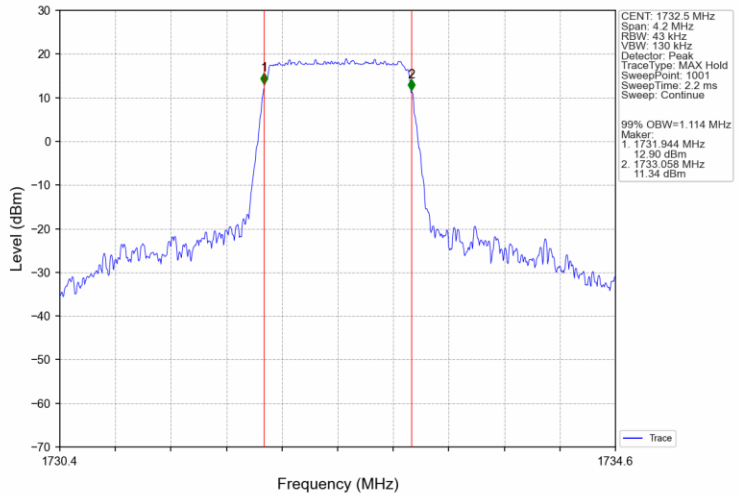
4.2 Test Graph

4.2.1 Band4_OBW

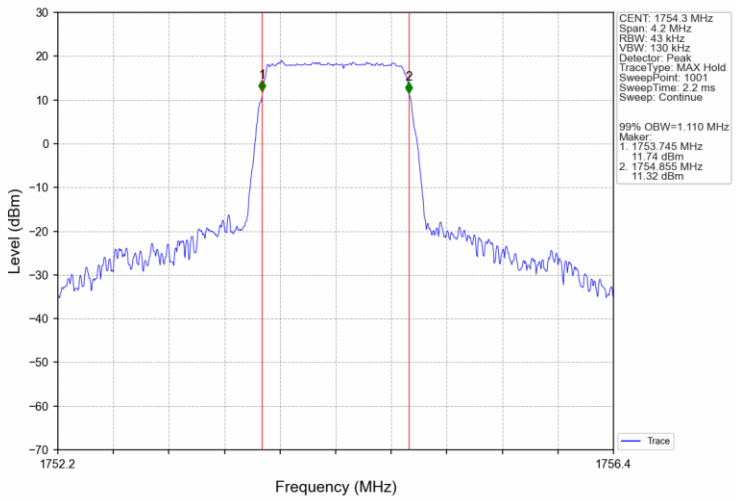
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



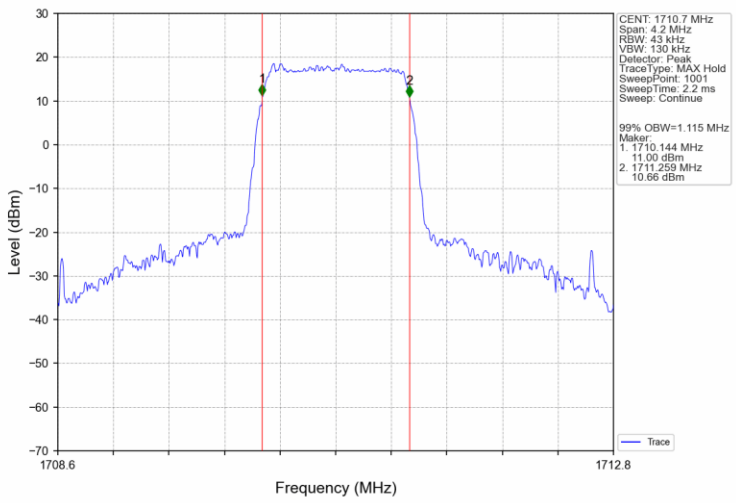
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



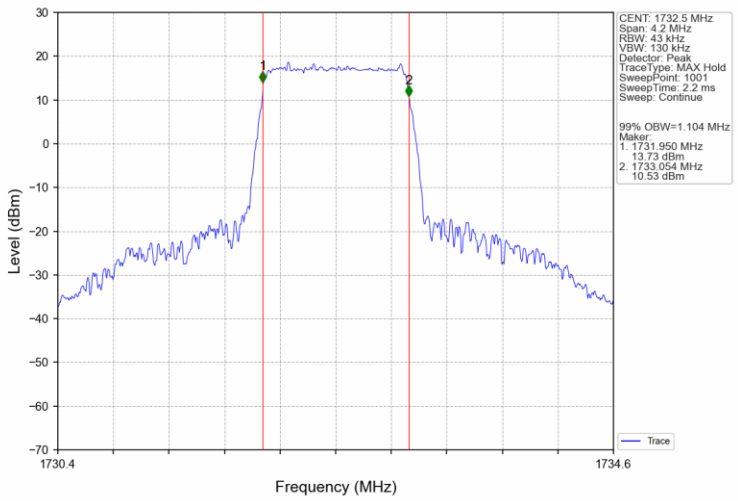
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



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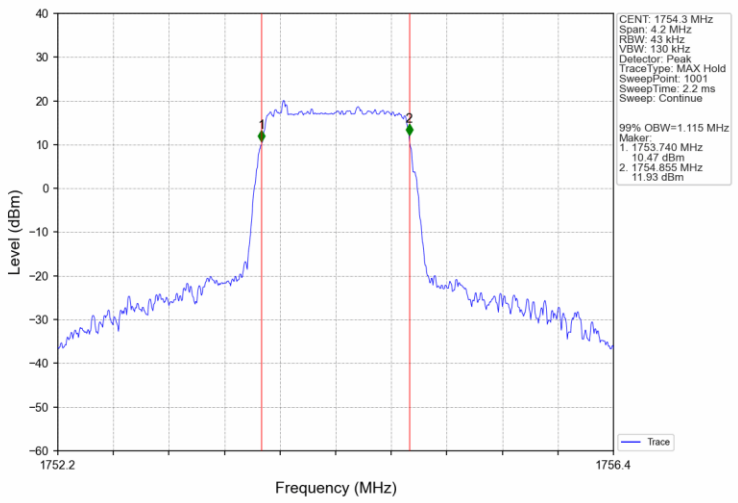
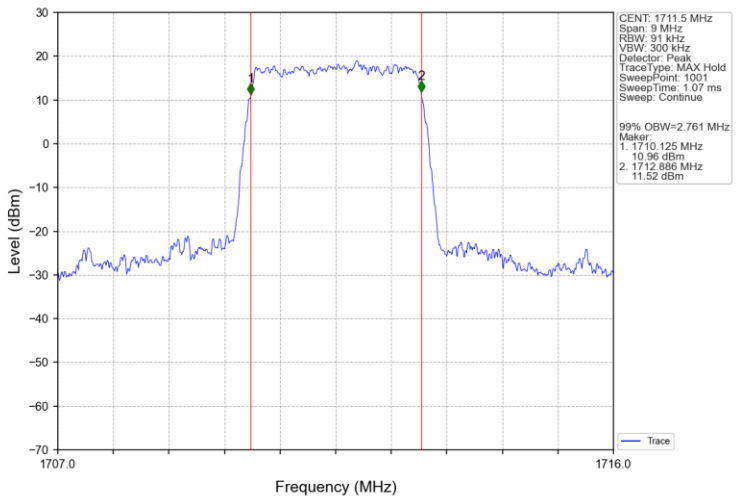


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



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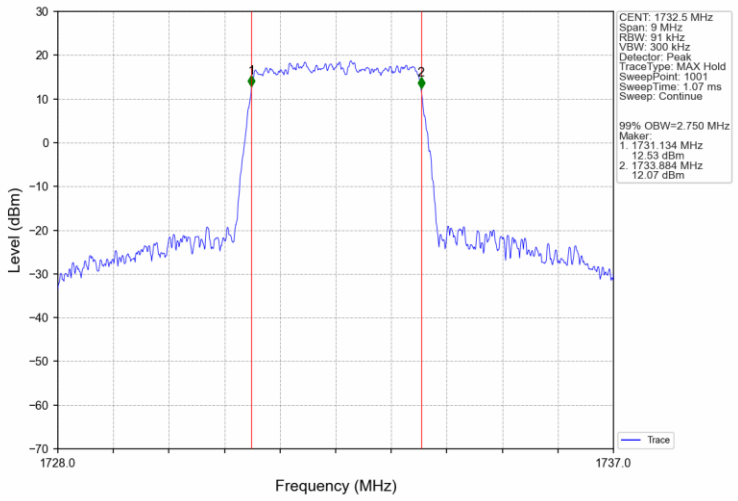
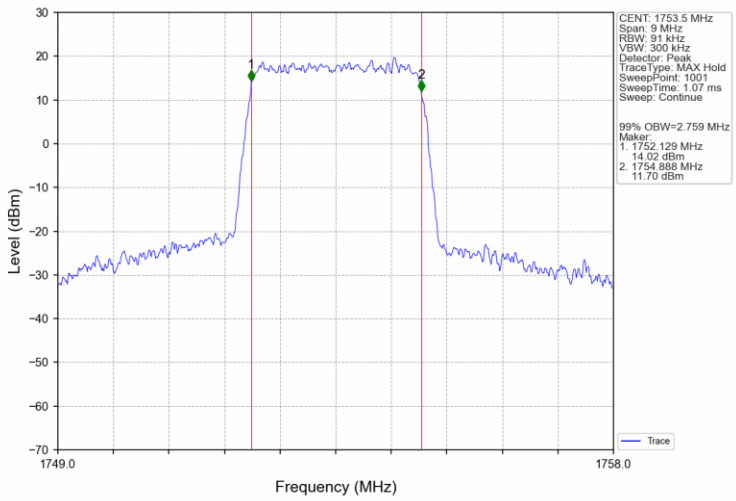
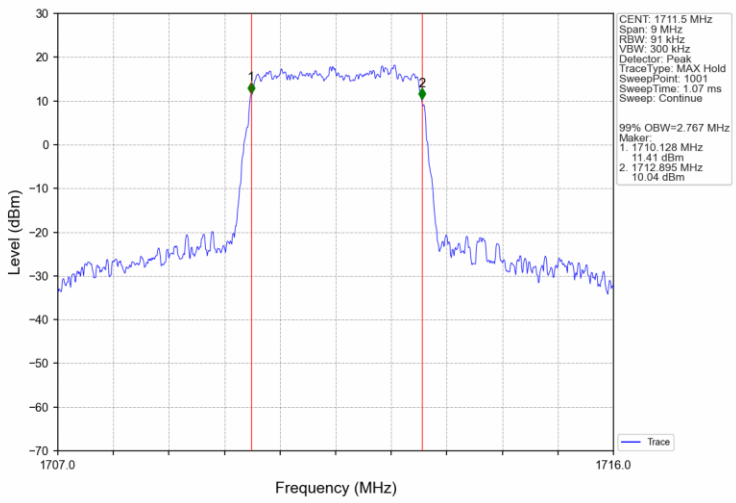


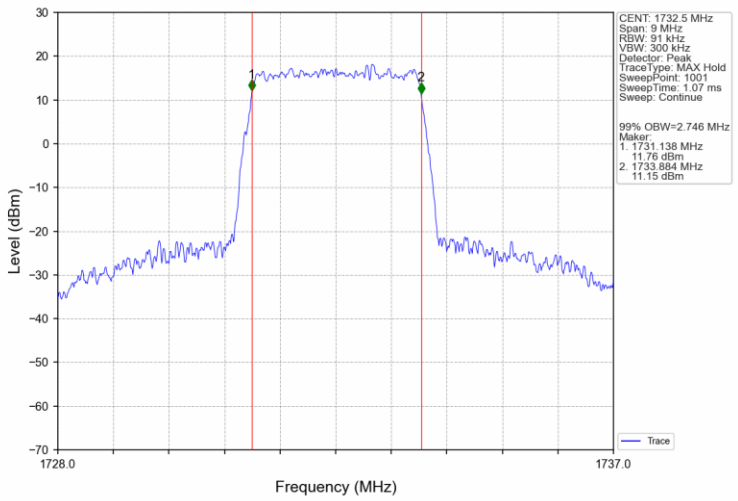
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



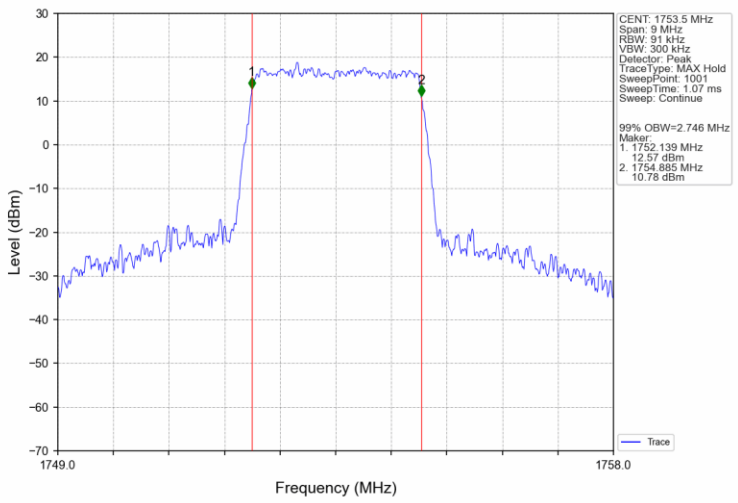
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



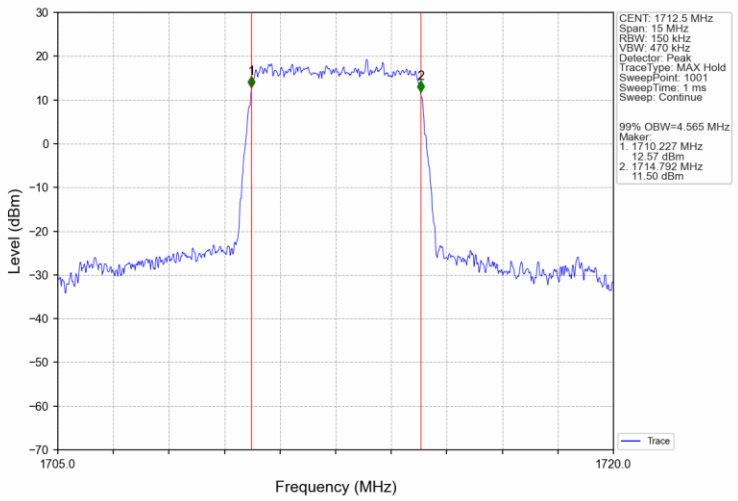
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



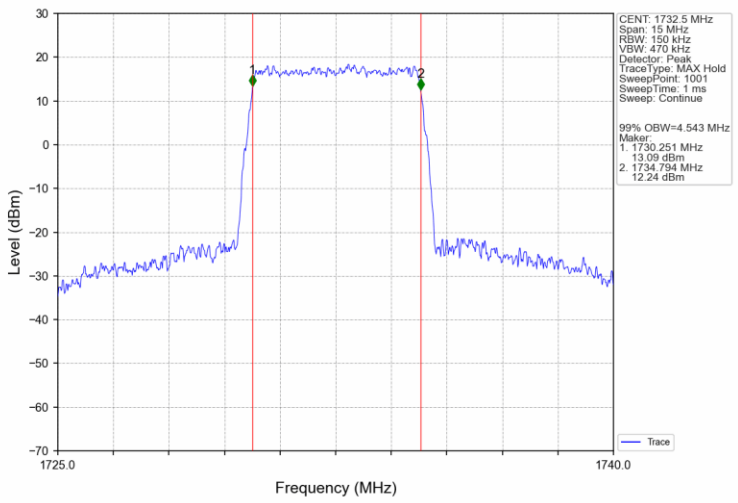
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



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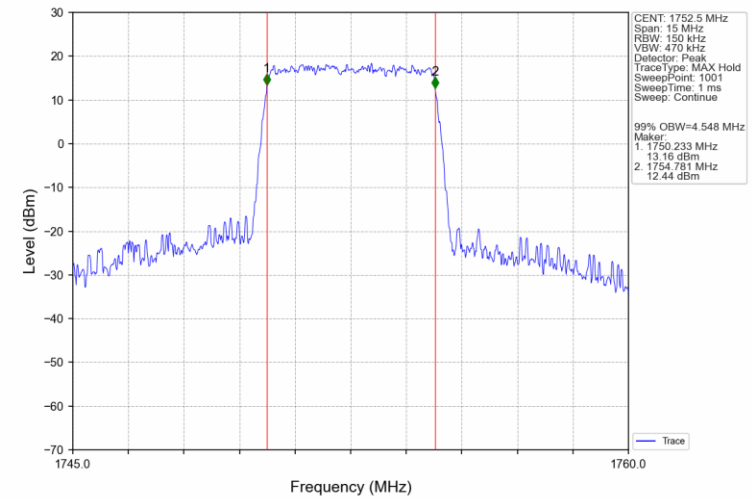
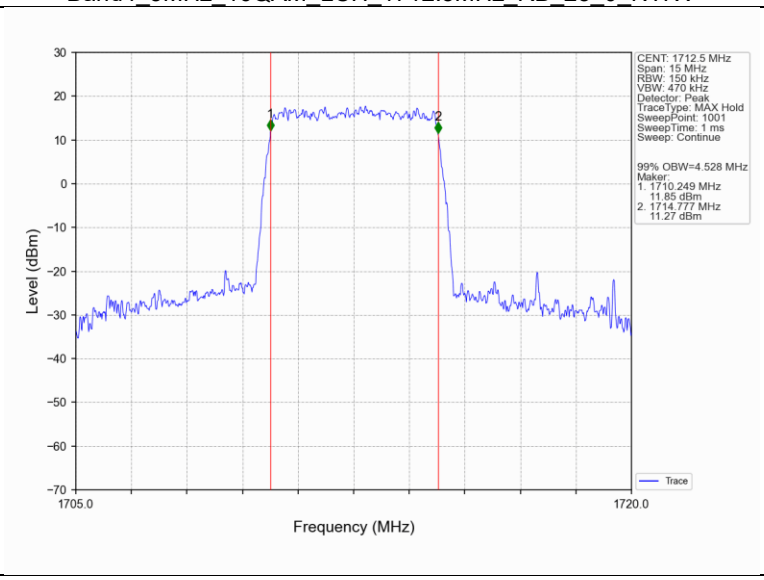
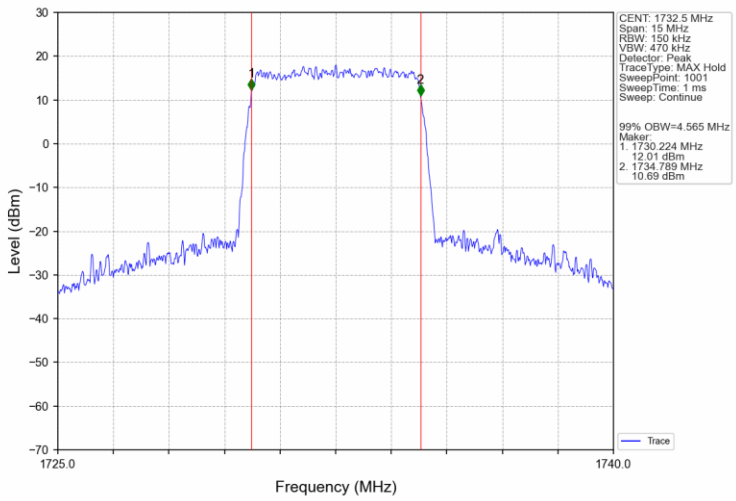


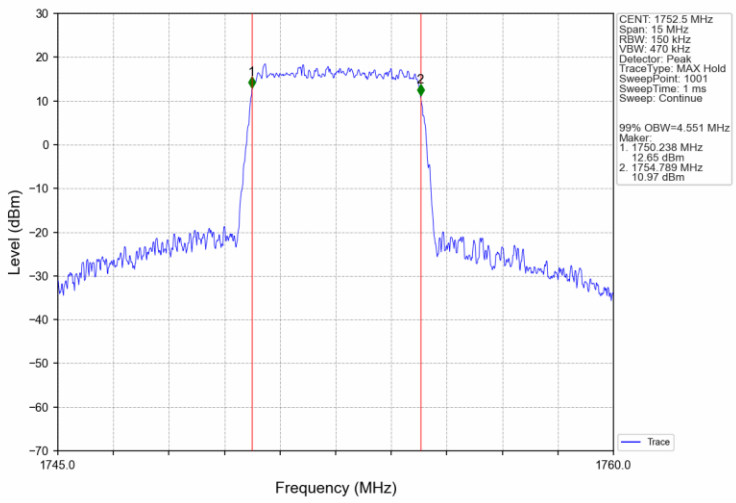
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



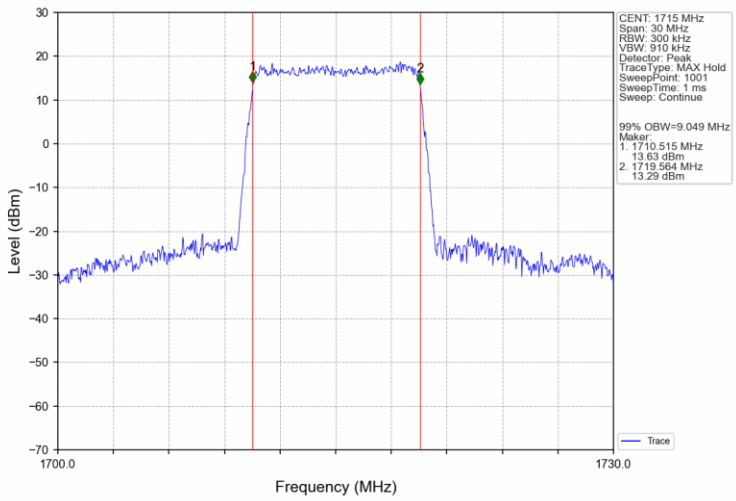
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



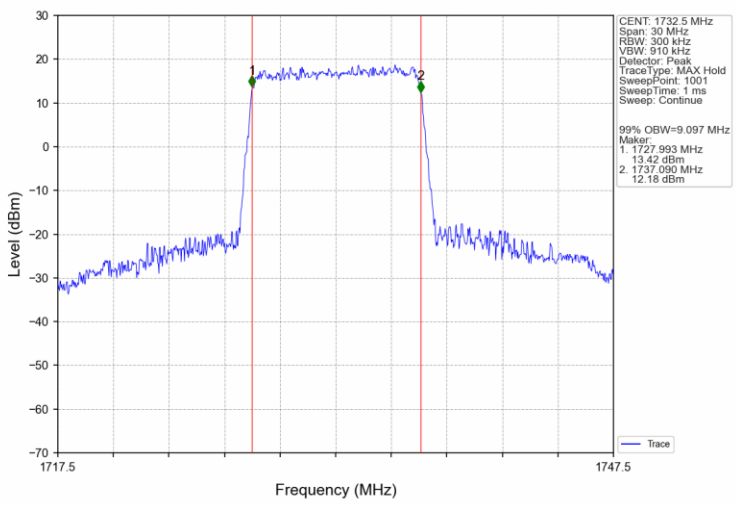
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



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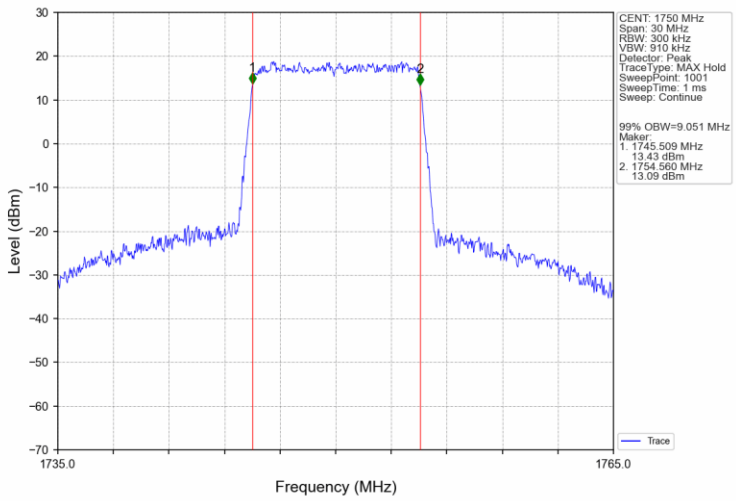
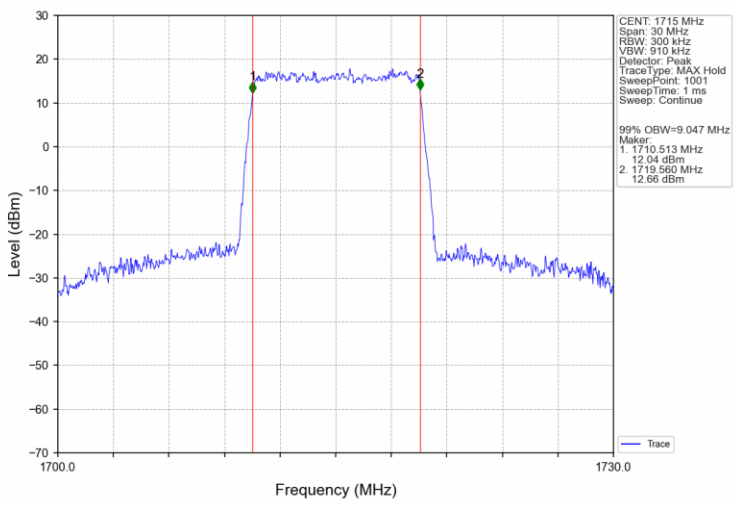
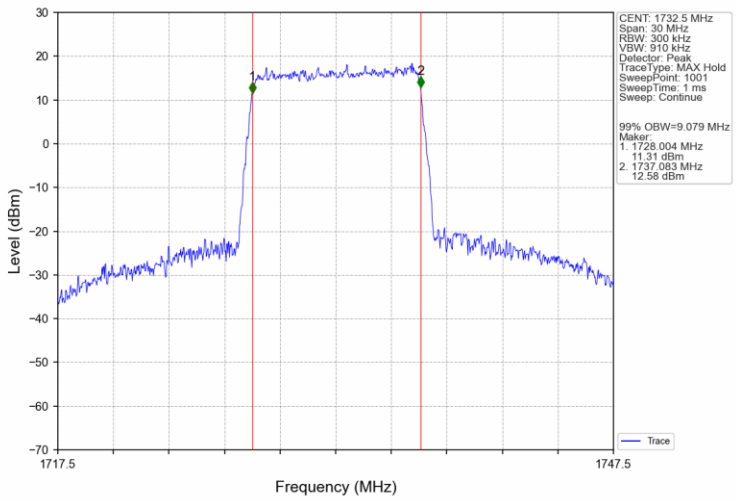


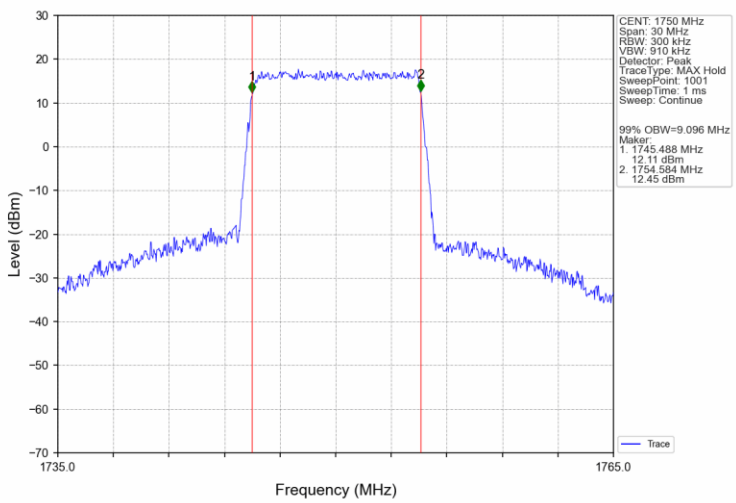
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



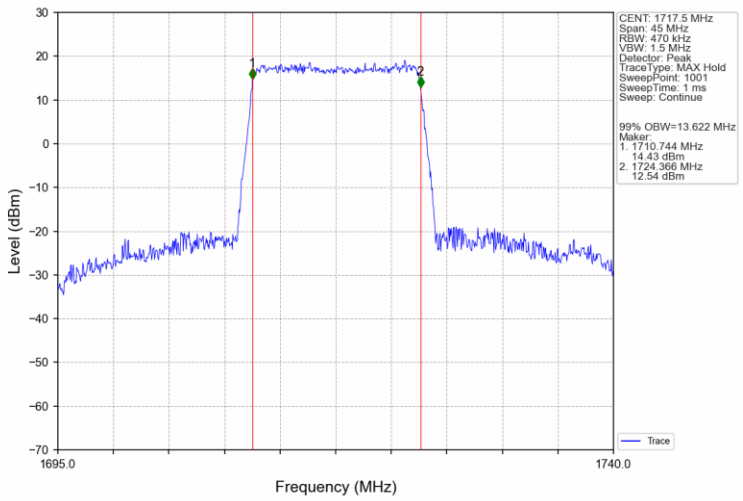
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



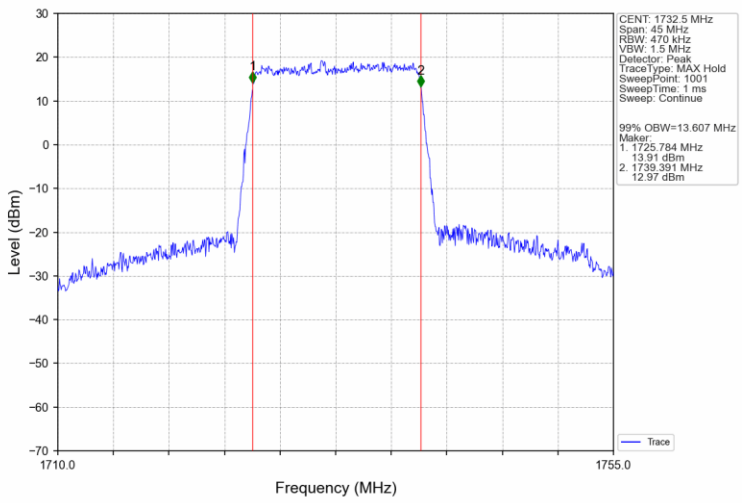
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



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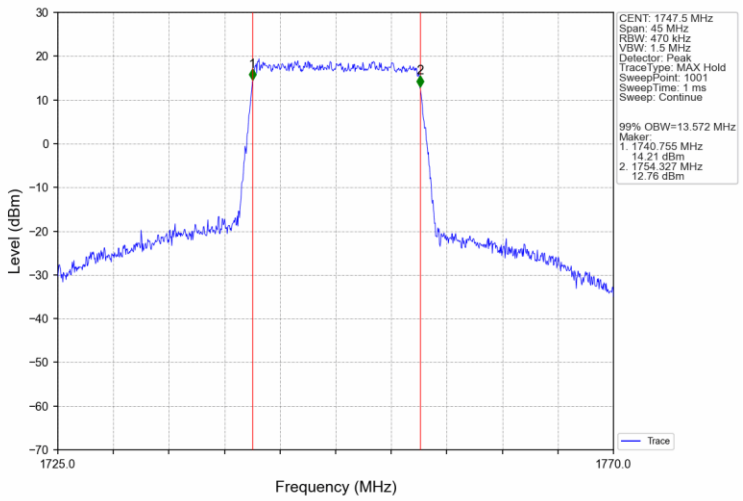
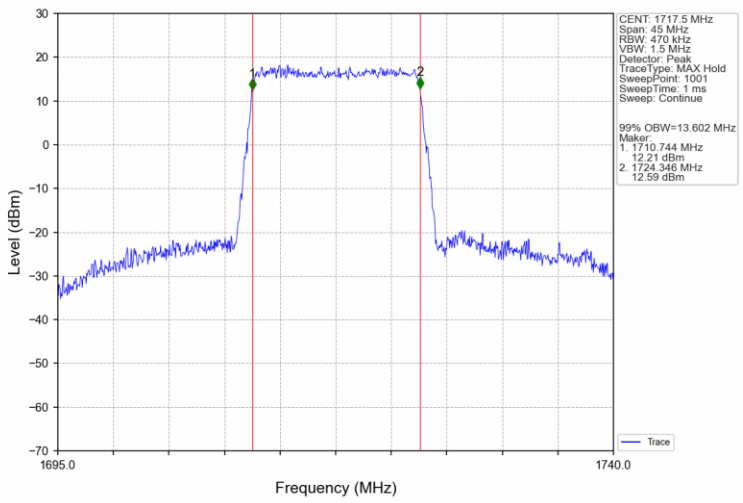
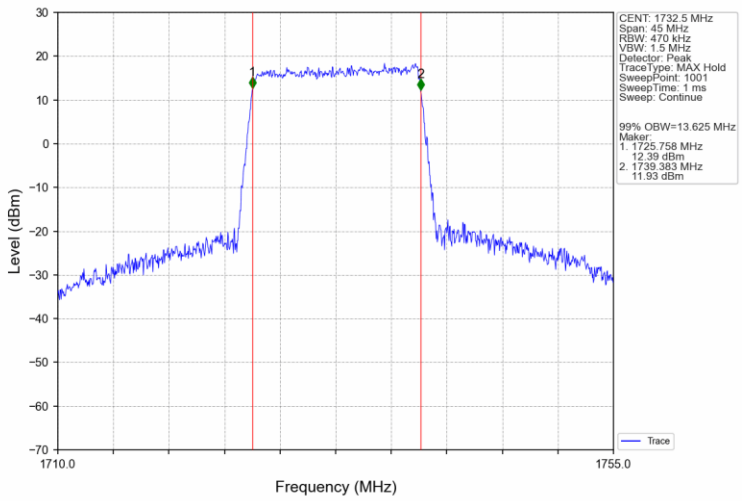


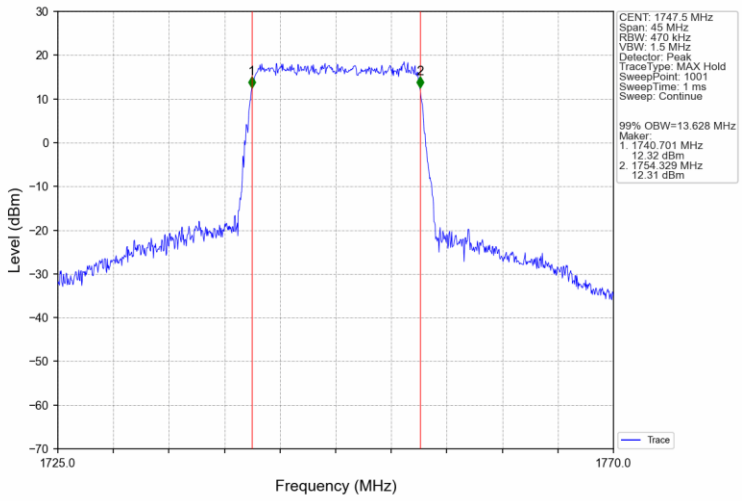
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



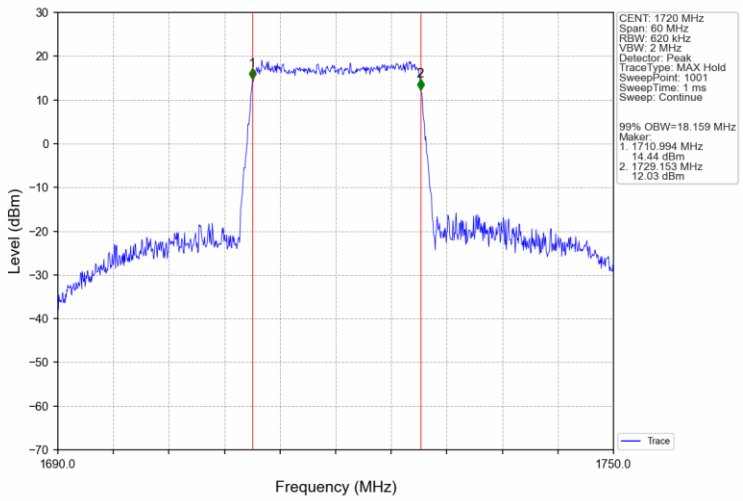
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



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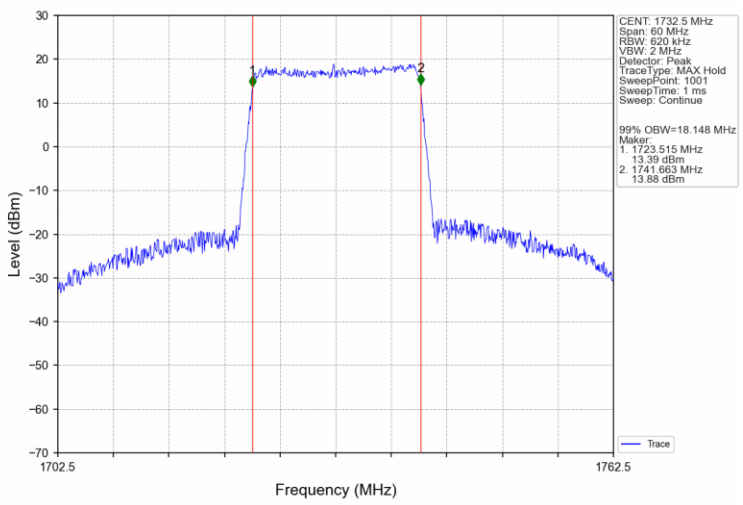

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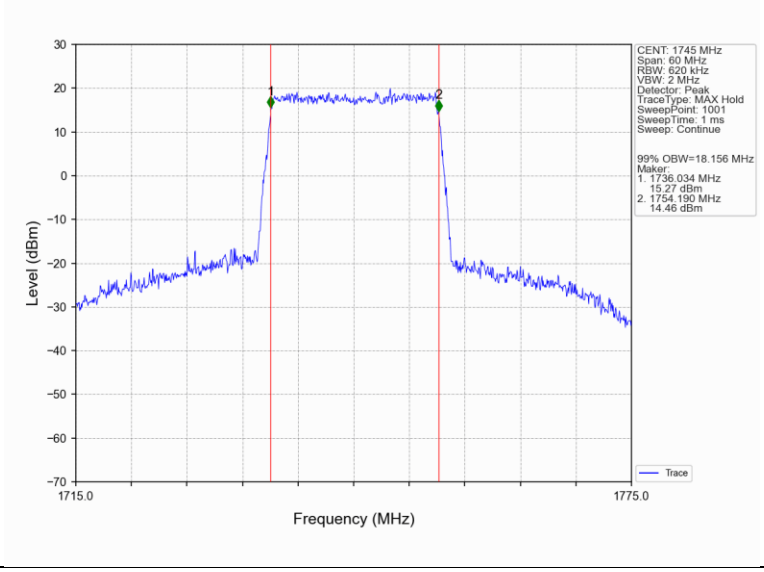
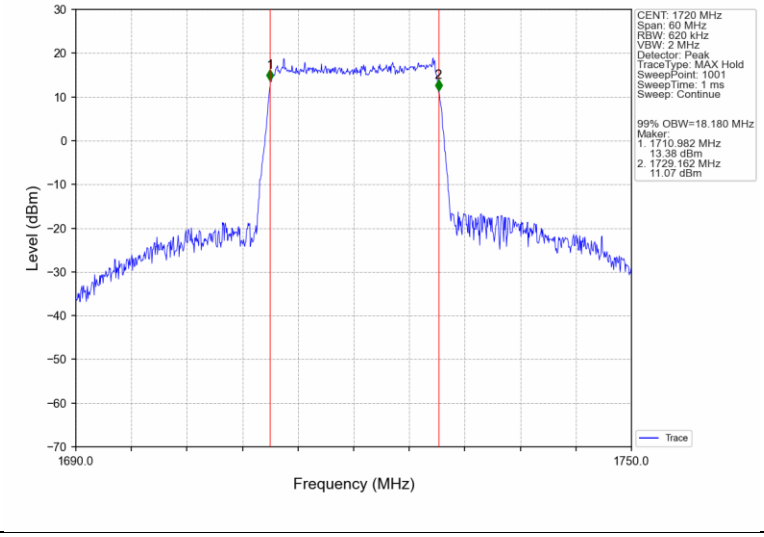
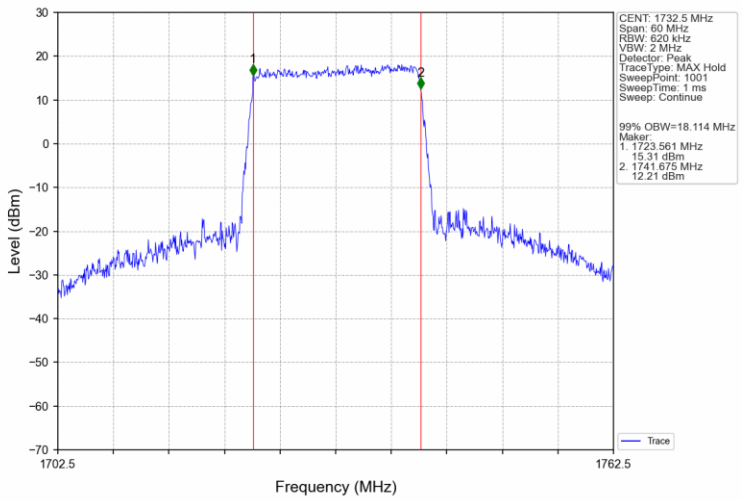


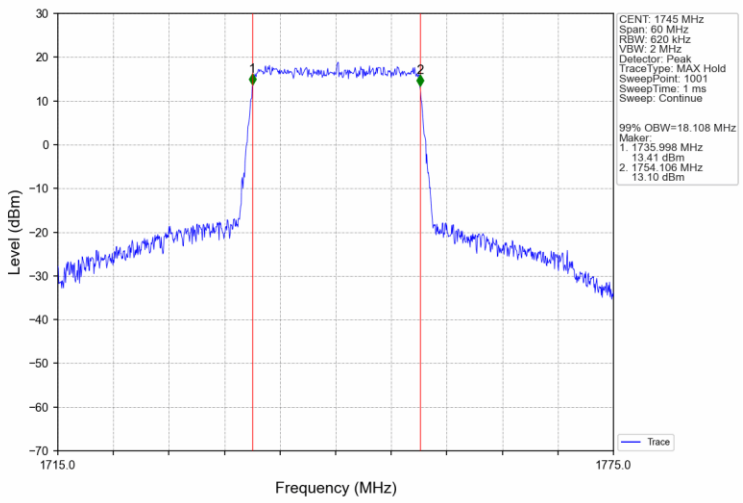
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

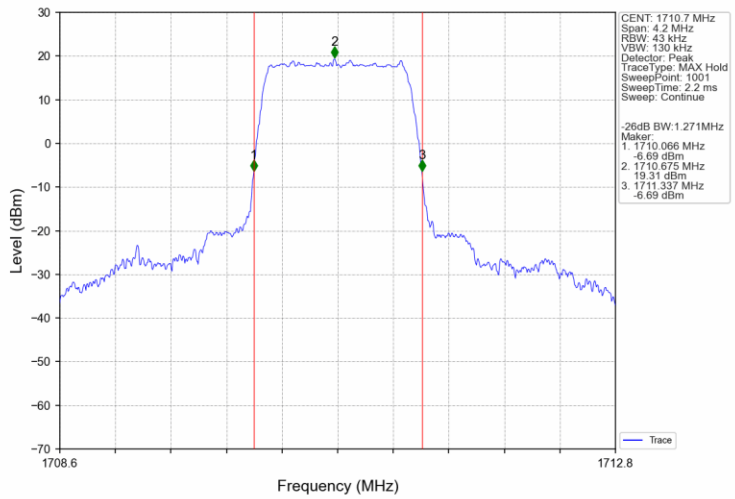


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

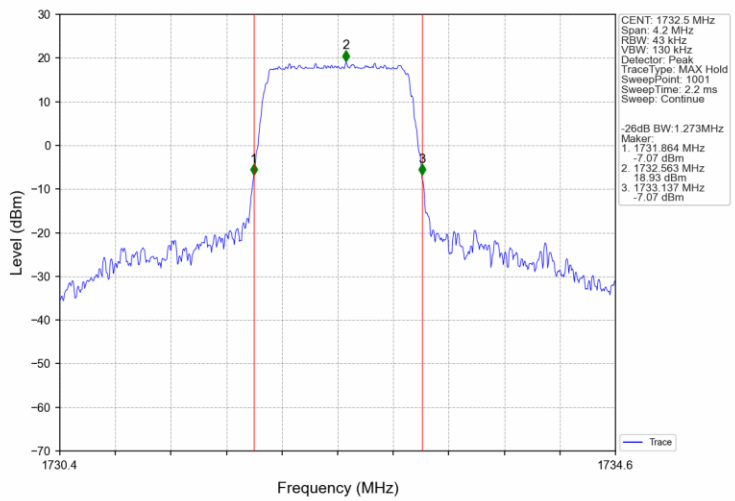


4.2.2 Band4_XDB

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



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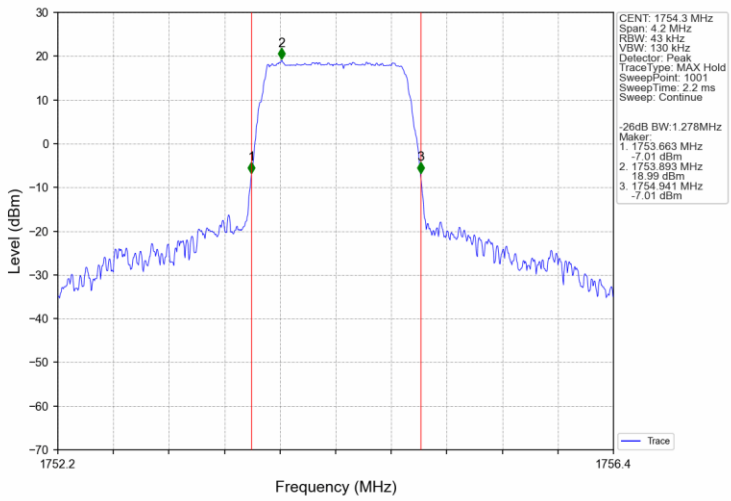
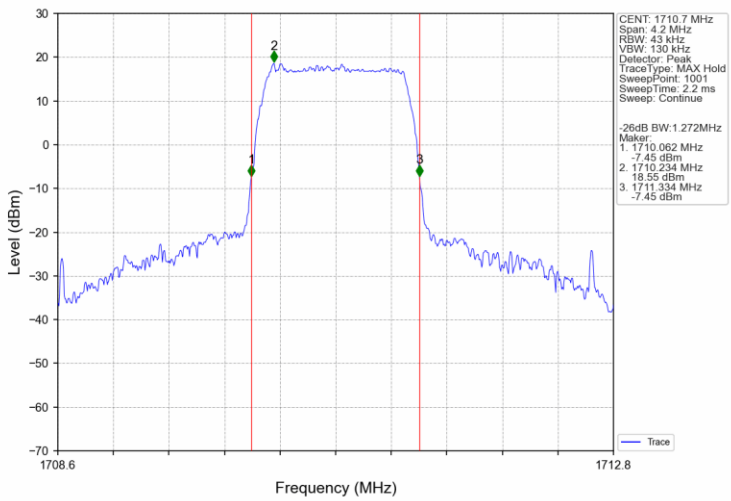
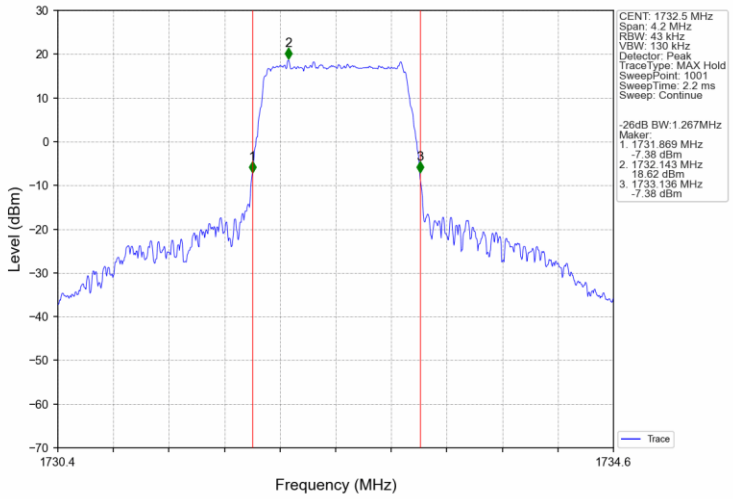


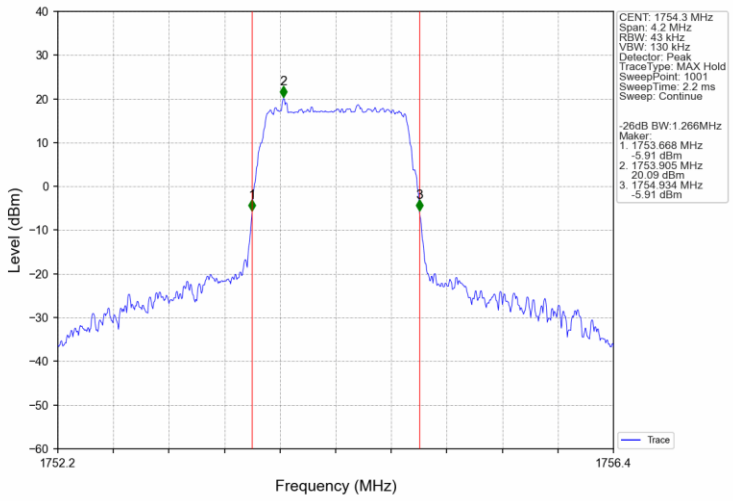
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



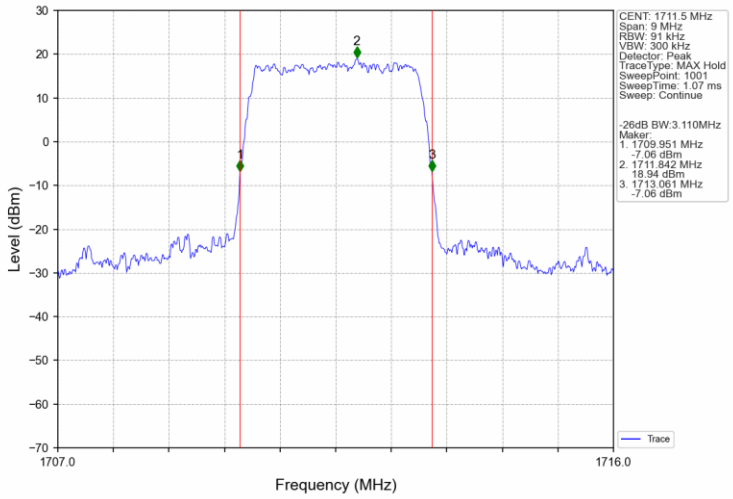
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



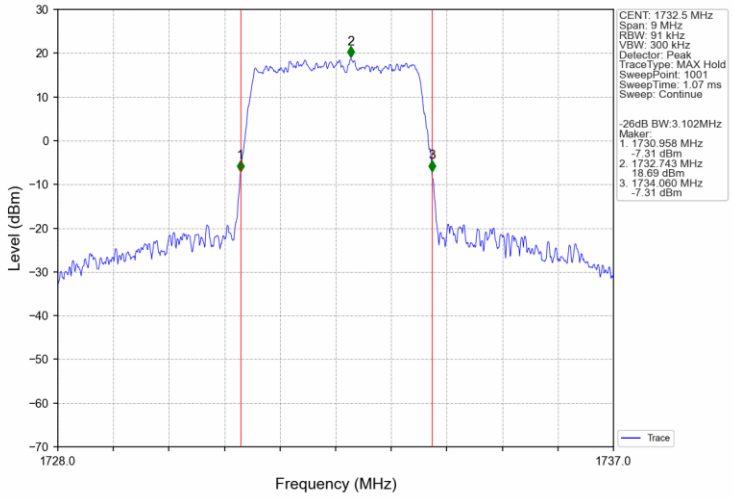
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



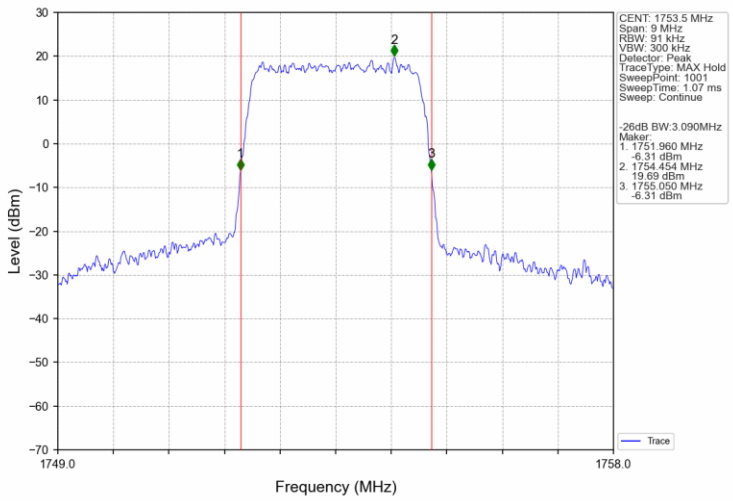
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



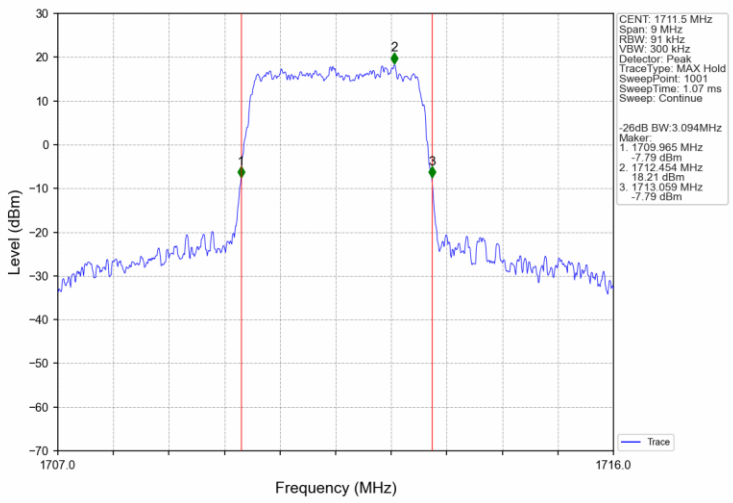
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



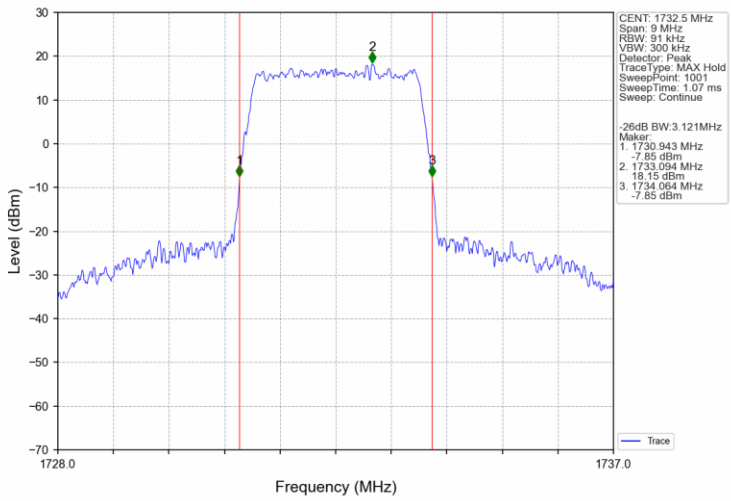
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



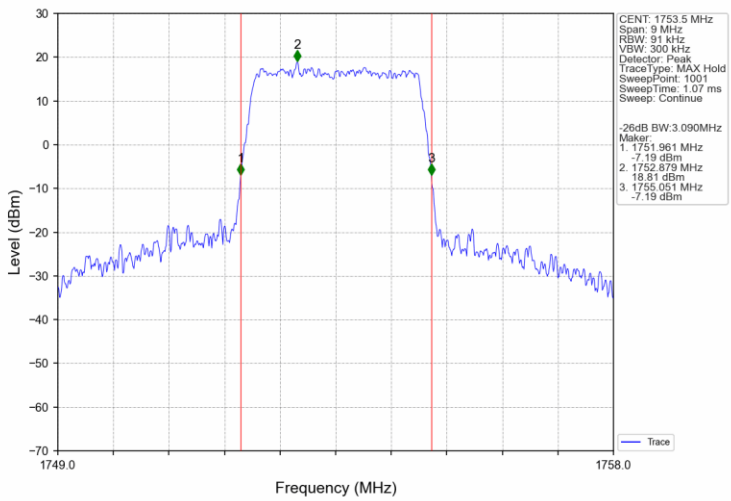
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



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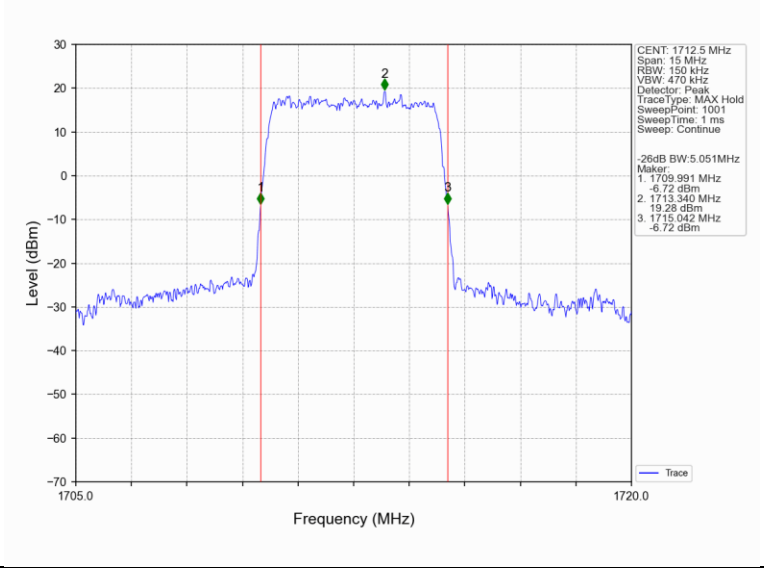
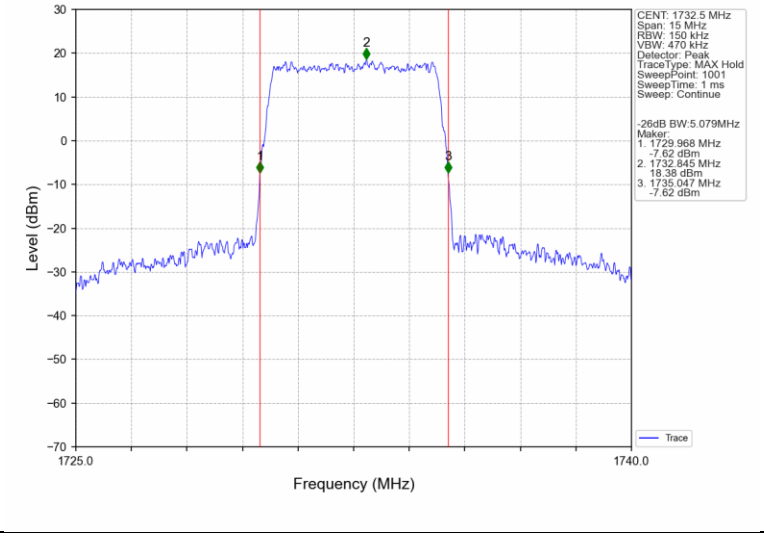
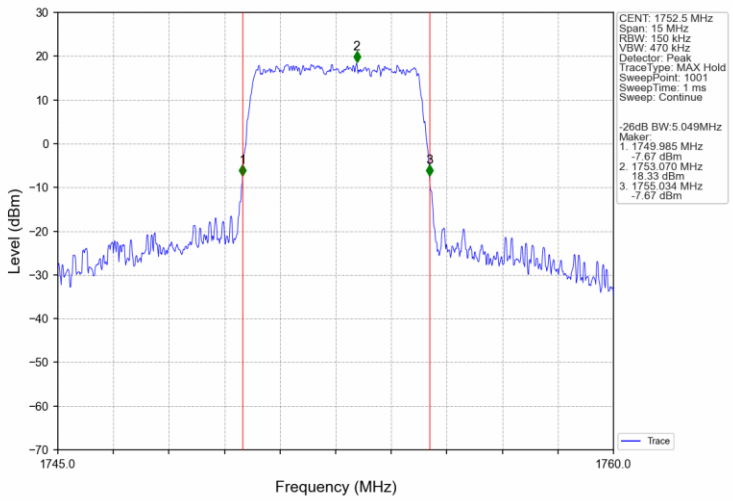


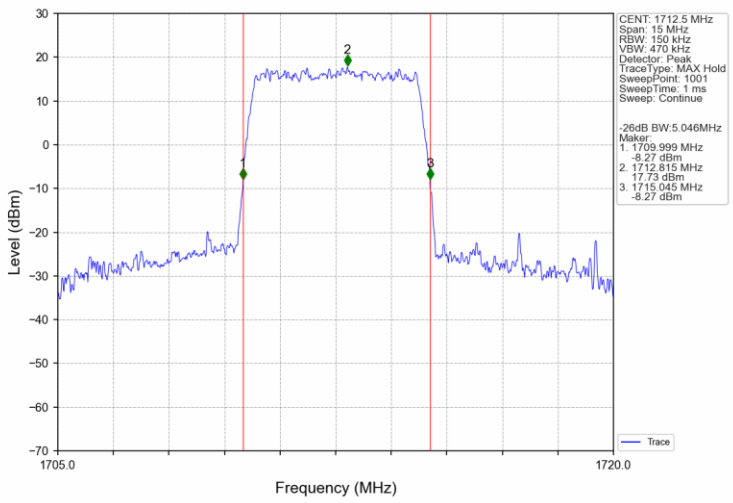
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



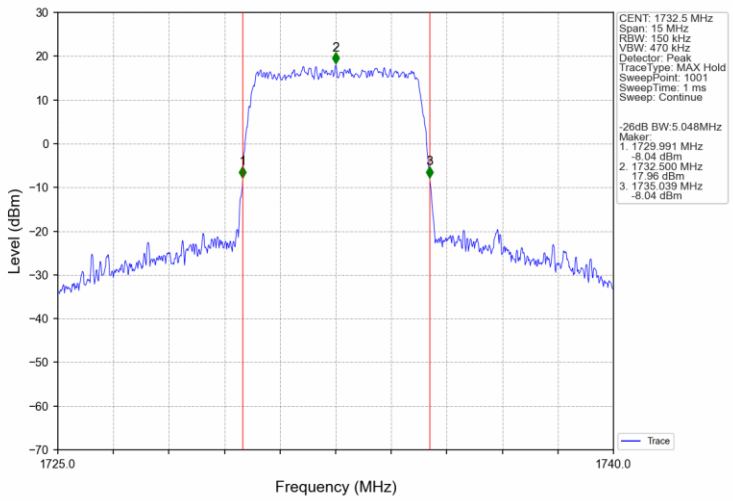
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



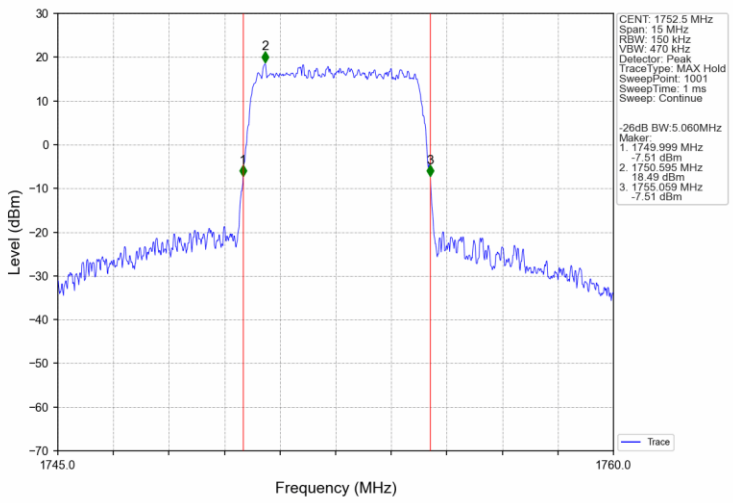
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



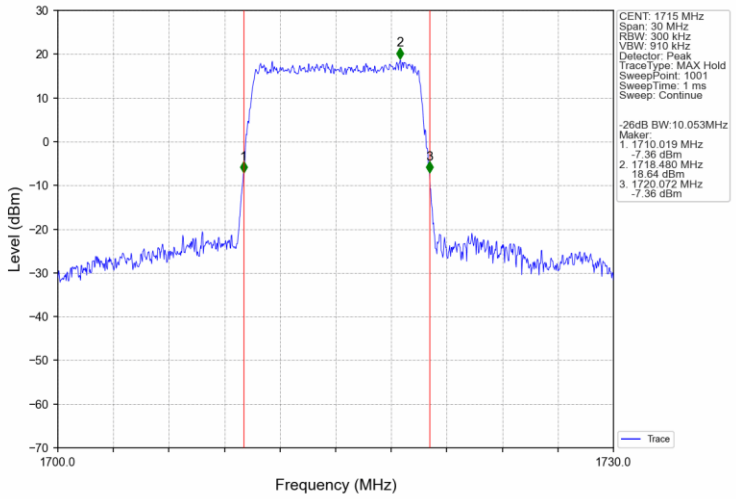
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



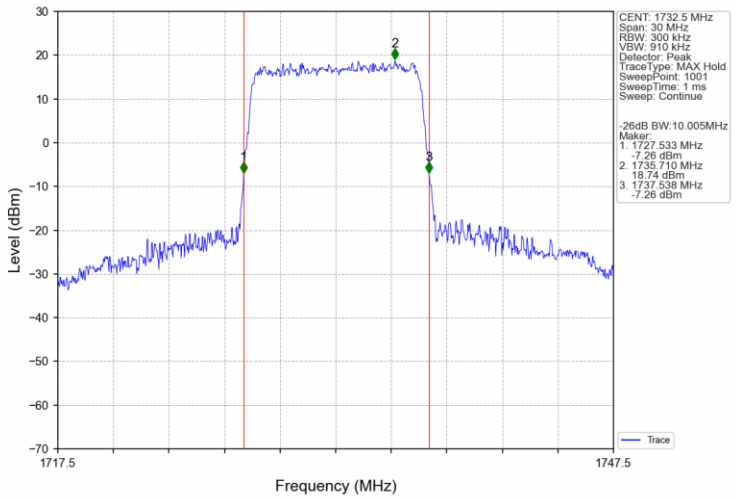
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



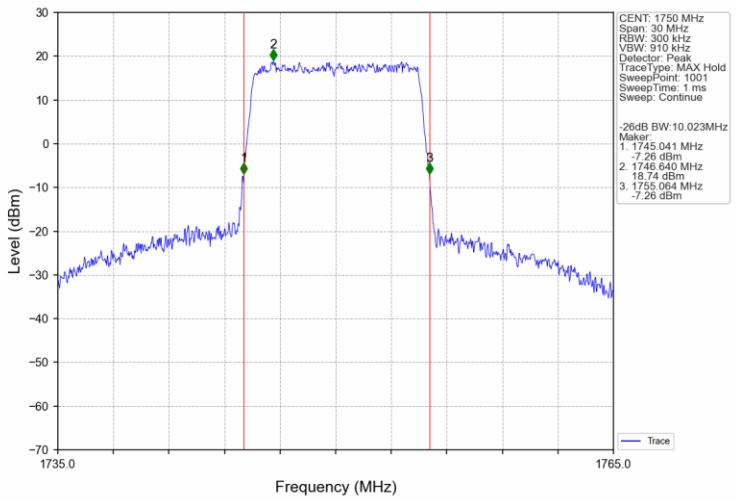
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



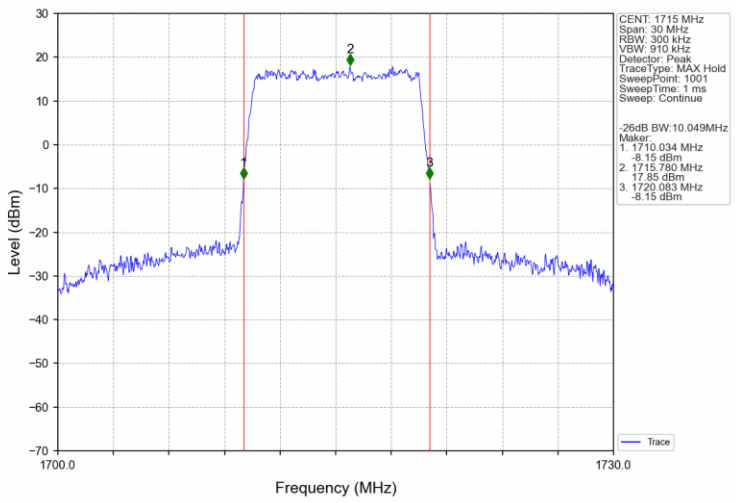
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



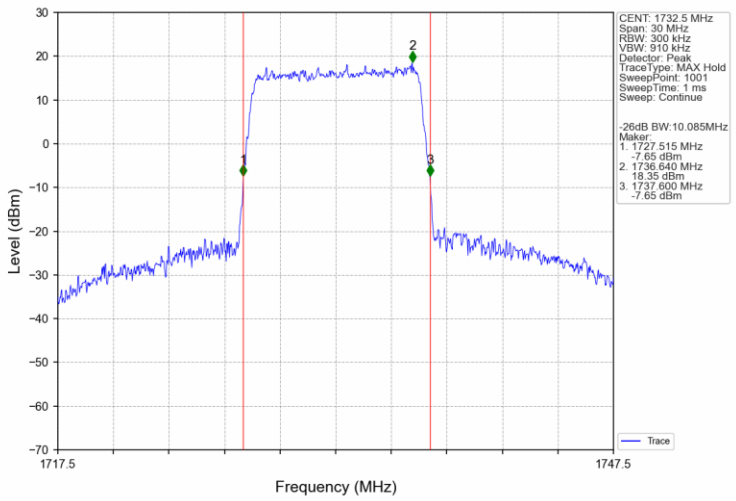
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



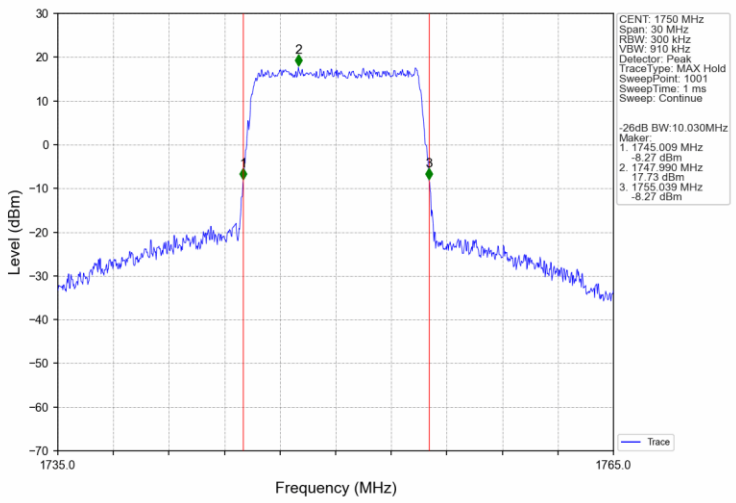
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



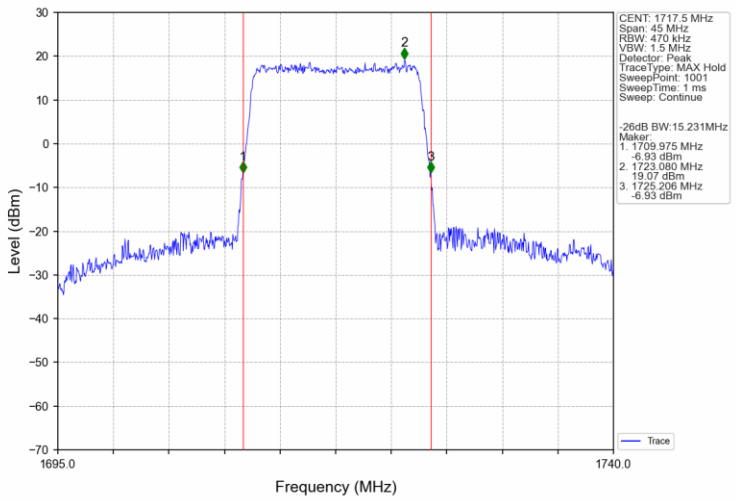
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



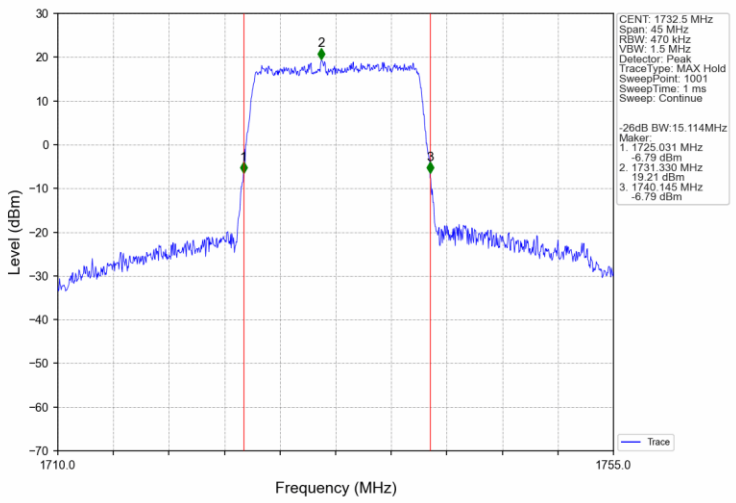
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



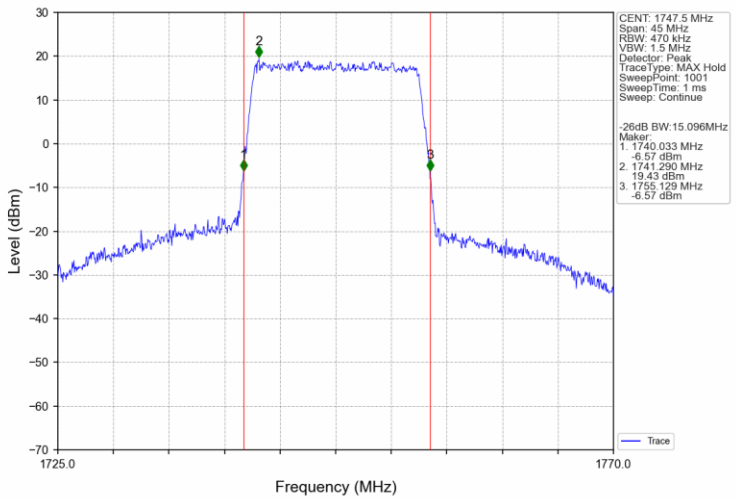
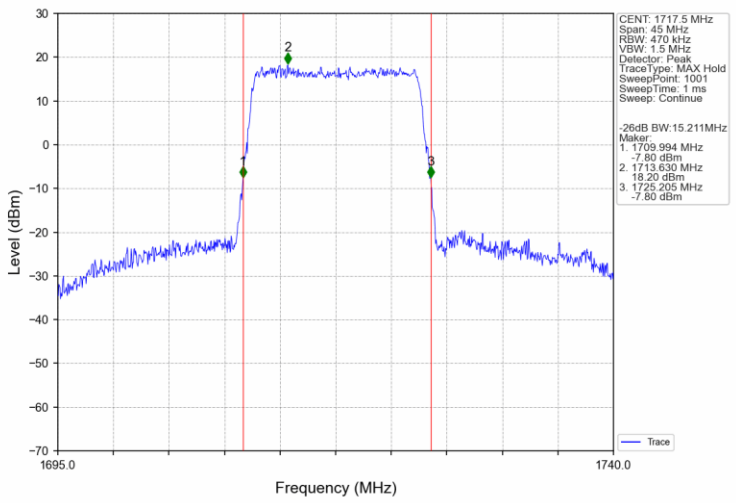
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



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