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	22.74	0.92	23.66	<=30	Pass
			2	22.73	0.92	23.65	<=30	Pass
			5	22.74	0.92	23.66	<=30	Pass
		3	0	22.77	0.92	23.69	<=30	Pass
			2	22.80	0.92	23.72	<=30	Pass
			3	22.74	0.92	23.66	<=30	Pass
		6	0	21.74	0.92	22.66	<=30	Pass
	1732.5	1	0	22.62	0.92	23.54	<=30	Pass
			2	22.65	0.92	23.57	<=30	Pass
			5	22.71	0.92	23.63	<=30	Pass
		3	0	22.76	0.92	23.68	<=30	Pass
			2	22.80	0.92	23.72	<=30	Pass
			3	22.74	0.92	23.66	<=30	Pass
		6	0	21.61	0.92	22.53	<=30	Pass
	1754.3	1	0	22.37	0.92	23.29	<=30	Pass
			2	22.55	0.92	23.47	<=30	Pass
			5	22.58	0.92	23.50	<=30	Pass
		3	0	22.55	0.92	23.47	<=30	Pass
			2	22.59	0.92	23.51	<=30	Pass
			3	22.53	0.92	23.45	<=30	Pass
		6	0	21.59	0.92	22.51	<=30	Pass
16QAM	1710.7	1	0	21.40	0.92	22.32	<=30	Pass
			2	21.32	0.92	22.24	<=30	Pass
			5	21.28	0.92	22.20	<=30	Pass
		3	0	21.69	0.92	22.61	<=30	Pass
			2	21.67	0.92	22.59	<=30	Pass
			3	21.68	0.92	22.60	<=30	Pass
		6	0	20.83	0.92	21.75	<=30	Pass
	1732.5	1	0	21.76	0.92	22.68	<=30	Pass
			2	21.85	0.92	22.77	<=30	Pass
			5	21.85	0.92	22.77	<=30	Pass
		3	0	21.63	0.92	22.55	<=30	Pass
			2	21.68	0.92	22.60	<=30	Pass
			3	21.65	0.92	22.57	<=30	Pass
		6	0	20.68	0.92	21.60	<=30	Pass
	1754.3	1	0	21.99	0.92	22.91	<=30	Pass
			2	21.93	0.92	22.85	<=30	Pass
			5	22.01	0.92	22.93	<=30	Pass
		3	0	21.44	0.92	22.36	<=30	Pass
			2	21.45	0.92	22.37	<=30	Pass
			3	21.40	0.92	22.32	<=30	Pass
		6	0	20.77	0.92	21.69	<=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	22.71	0.92	23.63	<=30	Pass
			7	22.68	0.92	23.60	<=30	Pass
			14	22.64	0.92	23.56	<=30	Pass
		8	0	21.69	0.92	22.61	<=30	Pass
			4	21.71	0.92	22.63	<=30	Pass
			7	21.75	0.92	22.67	<=30	Pass
		15	0	21.79	0.92	22.71	<=30	Pass
	1732.5	1	0	22.63	0.92	23.55	<=30	Pass
			7	22.64	0.92	23.56	<=30	Pass
			14	22.69	0.92	23.61	<=30	Pass
		8	0	21.59	0.92	22.51	<=30	Pass
			4	21.64	0.92	22.56	<=30	Pass
			7	21.75	0.92	22.67	<=30	Pass
		15	0	21.75	0.92	22.67	<=30	Pass
	1753.5	1	0	22.77	0.92	23.69	<=30	Pass
			7	22.75	0.92	23.67	<=30	Pass
			14	22.75	0.92	23.67	<=30	Pass
		8	0	21.60	0.92	22.52	<=30	Pass
			4	21.55	0.92	22.47	<=30	Pass
			7	21.64	0.92	22.56	<=30	Pass
		15	0	21.63	0.92	22.55	<=30	Pass
16QAM	1711.5	1	0	22.17	0.92	23.09	<=30	Pass
			7	22.13	0.92	23.05	<=30	Pass
			14	22.10	0.92	23.02	<=30	Pass
		8	0	21.10	0.92	22.02	<=30	Pass
			4	21.13	0.92	22.05	<=30	Pass
			7	21.07	0.92	21.99	<=30	Pass
		15	0	20.93	0.92	21.85	<=30	Pass
	1732.5	1	0	22.36	0.92	23.28	<=30	Pass
			7	22.51	0.92	23.43	<=30	Pass
			14	22.44	0.92	23.36	<=30	Pass
		8	0	20.92	0.92	21.84	<=30	Pass
			4	20.87	0.92	21.79	<=30	Pass
			7	20.83	0.92	21.75	<=30	Pass
		15	0	20.81	0.92	21.73	<=30	Pass
	1753.5	1	0	21.86	0.92	22.78	<=30	Pass
			7	21.82	0.92	22.74	<=30	Pass
			14	21.79	0.92	22.71	<=30	Pass
		8	0	20.86	0.92	21.78	<=30	Pass
			4	20.92	0.92	21.84	<=30	Pass
			7	20.90	0.92	21.82	<=30	Pass
		15	0	20.75	0.92	21.67	<=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	22.68	0.92	23.60	<=30	Pass
			13	22.73	0.92	23.65	<=30	Pass
			24	22.70	0.92	23.62	<=30	Pass
		12	0	21.79	0.92	22.71	<=30	Pass
			6	21.87	0.92	22.79	<=30	Pass
			13	21.70	0.92	22.62	<=30	Pass
		25	0	21.76	0.92	22.68	<=30	Pass
	1732.5	1	0	22.73	0.92	23.65	<=30	Pass
			13	22.70	0.92	23.62	<=30	Pass
			24	22.69	0.92	23.61	<=30	Pass
		12	0	21.72	0.92	22.64	<=30	Pass
			6	21.68	0.92	22.60	<=30	Pass
			13	21.61	0.92	22.53	<=30	Pass
		25	0	21.72	0.92	22.64	<=30	Pass
	1752.5	1	0	22.31	0.92	23.23	<=30	Pass
			13	22.32	0.92	23.24	<=30	Pass
			24	22.33	0.92	23.25	<=30	Pass
		12	0	21.61	0.92	22.53	<=30	Pass
			6	21.55	0.92	22.47	<=30	Pass
			13	21.65	0.92	22.57	<=30	Pass
		25	0	21.64	0.92	22.56	<=30	Pass
16QAM	1712.5	1	0	21.10	0.92	22.02	<=30	Pass
			13	21.09	0.92	22.01	<=30	Pass
			24	21.14	0.92	22.06	<=30	Pass
		12	0	20.93	0.92	21.85	<=30	Pass
			6	20.84	0.92	21.76	<=30	Pass
			13	20.87	0.92	21.79	<=30	Pass
		25	0	20.95	0.92	21.87	<=30	Pass
	1732.5	1	0	21.75	0.92	22.67	<=30	Pass
			13	21.86	0.92	22.78	<=30	Pass
			24	21.87	0.92	22.79	<=30	Pass
		12	0	20.76	0.92	21.68	<=30	Pass
			6	20.79	0.92	21.71	<=30	Pass
			13	20.76	0.92	21.68	<=30	Pass
		25	0	20.79	0.92	21.71	<=30	Pass
	1752.5	1	0	21.74	0.92	22.66	<=30	Pass
			13	21.70	0.92	22.62	<=30	Pass
			24	21.68	0.92	22.60	<=30	Pass
		12	0	20.68	0.92	21.60	<=30	Pass
			6	20.64	0.92	21.56	<=30	Pass
			13	20.59	0.92	21.51	<=30	Pass
		25	0	20.76	0.92	21.68	<=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	22.69	0.92	23.61	<=30	Pass
			25	22.71	0.92	23.63	<=30	Pass
			49	22.68	0.92	23.60	<=30	Pass
		25	0	21.82	0.92	22.74	<=30	Pass
			13	21.72	0.92	22.64	<=30	Pass
			25	21.67	0.92	22.59	<=30	Pass
		50	0	21.87	0.92	22.79	<=30	Pass
	1732.5	1	0	22.73	0.92	23.65	<=30	Pass
			25	22.77	0.92	23.69	<=30	Pass
			49	22.73	0.92	23.65	<=30	Pass
		25	0	21.53	0.92	22.45	<=30	Pass
			13	21.80	0.92	22.72	<=30	Pass
			25	21.76	0.92	22.68	<=30	Pass
		50	0	21.65	0.92	22.57	<=30	Pass
	1750	1	0	22.85	0.92	23.77	<=30	Pass
			25	22.89	0.92	23.81	<=30	Pass
			49	22.73	0.92	23.65	<=30	Pass
		25	0	21.55	0.92	22.47	<=30	Pass
			13	21.79	0.92	22.71	<=30	Pass
			25	21.54	0.92	22.46	<=30	Pass
		50	0	21.77	0.92	22.69	<=30	Pass
16QAM	1715	1	0	22.04	0.92	22.96	<=30	Pass
			25	22.03	0.92	22.95	<=30	Pass
			49	22.05	0.92	22.97	<=30	Pass
		25	0	20.92	0.92	21.84	<=30	Pass
			13	20.82	0.92	21.74	<=30	Pass
			25	20.82	0.92	21.74	<=30	Pass
		50	0	20.84	0.92	21.76	<=30	Pass
	1732.5	1	0	21.95	0.92	22.87	<=30	Pass
			25	21.93	0.92	22.85	<=30	Pass
			49	21.88	0.92	22.80	<=30	Pass
		25	0	20.92	0.92	21.84	<=30	Pass
			13	20.91	0.92	21.83	<=30	Pass
			25	20.92	0.92	21.84	<=30	Pass
		50	0	20.91	0.92	21.83	<=30	Pass
	1750	1	0	21.26	0.92	22.18	<=30	Pass
			25	21.37	0.92	22.29	<=30	Pass
			49	21.21	0.92	22.13	<=30	Pass
		25	0	20.83	0.92	21.75	<=30	Pass
			13	20.87	0.92	21.79	<=30	Pass
			25	20.79	0.92	21.71	<=30	Pass
		50	0	20.83	0.92	21.75	<=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	22.75	0.92	23.67	<=30	Pass
			38	22.67	0.92	23.59	<=30	Pass
			74	22.60	0.92	23.52	<=30	Pass
		36	0	21.72	0.92	22.64	<=30	Pass
			18	21.69	0.92	22.61	<=30	Pass
			39	21.72	0.92	22.64	<=30	Pass
		75	0	21.77	0.92	22.69	<=30	Pass
	1732.5	1	0	22.74	0.92	23.66	<=30	Pass
			38	22.70	0.92	23.62	<=30	Pass
			74	22.69	0.92	23.61	<=30	Pass
		36	0	21.75	0.92	22.67	<=30	Pass
			18	21.69	0.92	22.61	<=30	Pass
			39	21.72	0.92	22.64	<=30	Pass
		75	0	21.72	0.92	22.64	<=30	Pass
	1747.5	1	0	22.83	0.92	23.75	<=30	Pass
			38	22.76	0.92	23.68	<=30	Pass
			74	22.74	0.92	23.66	<=30	Pass
		36	0	21.55	0.92	22.47	<=30	Pass
			18	21.55	0.92	22.47	<=30	Pass
			39	21.67	0.92	22.59	<=30	Pass
		75	0	21.61	0.92	22.53	<=30	Pass
16QAM	1717.5	1	0	22.01	0.92	22.93	<=30	Pass
			38	22.05	0.92	22.97	<=30	Pass
			74	21.92	0.92	22.84	<=30	Pass
		36	0	21.03	0.92	21.95	<=30	Pass
			18	20.94	0.92	21.86	<=30	Pass
			39	20.92	0.92	21.84	<=30	Pass
		75	0	20.87	0.92	21.79	<=30	Pass
	1732.5	1	0	21.91	0.92	22.83	<=30	Pass
			38	21.88	0.92	22.80	<=30	Pass
			74	21.84	0.92	22.76	<=30	Pass
		36	0	20.88	0.92	21.80	<=30	Pass
			18	20.85	0.92	21.77	<=30	Pass
			39	20.84	0.92	21.76	<=30	Pass
		75	0	20.86	0.92	21.78	<=30	Pass
	1747.5	1	0	22.04	0.92	22.96	<=30	Pass
			38	22.02	0.92	22.94	<=30	Pass
			74	21.92	0.92	22.84	<=30	Pass
		36	0	20.81	0.92	21.73	<=30	Pass
			18	20.96	0.92	21.88	<=30	Pass
			39	20.90	0.92	21.82	<=30	Pass
		75	0	20.95	0.92	21.87	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.09	0.92	24.01	<=30	Pass
			50	23.03	0.92	23.95	<=30	Pass
			99	23.01	0.92	23.93	<=30	Pass
		50	0	21.92	0.92	22.84	<=30	Pass
			25	21.82	0.92	22.74	<=30	Pass
			50	21.76	0.92	22.68	<=30	Pass
		100	0	21.84	0.92	22.76	<=30	Pass
	1732.5	1	0	22.81	0.92	23.73	<=30	Pass
			50	22.82	0.92	23.74	<=30	Pass
			99	22.77	0.92	23.69	<=30	Pass
		50	0	21.91	0.92	22.83	<=30	Pass
			25	21.85	0.92	22.77	<=30	Pass
			50	21.91	0.92	22.83	<=30	Pass
		100	0	21.92	0.92	22.84	<=30	Pass
	1745	1	0	22.91	0.92	23.83	<=30	Pass
			50	22.86	0.92	23.78	<=30	Pass
			99	22.75	0.92	23.67	<=30	Pass
		50	0	21.92	0.92	22.84	<=30	Pass
			25	21.77	0.92	22.69	<=30	Pass
			50	21.96	0.92	22.88	<=30	Pass
		100	0	21.81	0.92	22.73	<=30	Pass
16QAM	1720	1	0	22.01	0.92	22.93	<=30	Pass
			50	21.96	0.92	22.88	<=30	Pass
			99	21.90	0.92	22.82	<=30	Pass
		50	0	21.18	0.92	22.10	<=30	Pass
			25	21.09	0.92	22.01	<=30	Pass
			50	20.94	0.92	21.86	<=30	Pass
		100	0	21.12	0.92	22.04	<=30	Pass
	1732.5	1	0	22.31	0.92	23.23	<=30	Pass
			50	22.26	0.92	23.18	<=30	Pass
			99	22.21	0.92	23.13	<=30	Pass
		50	0	21.03	0.92	21.95	<=30	Pass
			25	21.07	0.92	21.99	<=30	Pass
			50	21.05	0.92	21.97	<=30	Pass
		100	0	20.93	0.92	21.85	<=30	Pass
	1745	1	0	22.49	0.92	23.41	<=30	Pass
			50	22.44	0.92	23.36	<=30	Pass
			99	22.33	0.92	23.25	<=30	Pass
		50	0	20.91	0.92	21.83	<=30	Pass
			25	20.86	0.92	21.78	<=30	Pass
			50	20.83	0.92	21.75	<=30	Pass
		100	0	20.90	0.92	21.82	<=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	-30.742	-0.0180	-2.5 to 2.5	Pass
					3.85	-23.217	-0.0136	-2.5 to 2.5	Pass
					4.43	-22.445	-0.0131	-2.5 to 2.5	Pass
				-30	3.85	-32.630	-0.0191	-2.5 to 2.5	Pass
				-20	3.85	-37.823	-0.0221	-2.5 to 2.5	Pass
				-10	3.85	-5.164	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-5.479	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-10.529	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-16.823	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-19.183	-0.0112	-2.5 to 2.5	Pass
				50	3.85	-21.887	-0.0128	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	2.475	0.0014	-2.5 to 2.5	Pass
					3.85	-27.266	-0.0157	-2.5 to 2.5	Pass
					4.43	-37.937	-0.0219	-2.5 to 2.5	Pass
				-30	3.85	-32.959	-0.0190	-2.5 to 2.5	Pass
				-20	3.85	-23.232	-0.0134	-2.5 to 2.5	Pass
				-10	3.85	-10.657	-0.0062	-2.5 to 2.5	Pass
				0	3.85	0.701	0.0004	-2.5 to 2.5	Pass
				10	3.85	15.664	0.0090	-2.5 to 2.5	Pass
				30	3.85	22.116	0.0128	-2.5 to 2.5	Pass
				40	3.85	33.159	0.0191	-2.5 to 2.5	Pass
				50	3.85	39.611	0.0229	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	4.120	0.0023	-2.5 to 2.5	Pass
					3.85	-14.048	-0.0080	-2.5 to 2.5	Pass
					4.43	-14.420	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-5.035	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	9.542	0.0054	-2.5 to 2.5	Pass
				-10	3.85	18.368	0.0105	-2.5 to 2.5	Pass
				0	3.85	24.934	0.0142	-2.5 to 2.5	Pass
				10	3.85	27.165	0.0155	-2.5 to 2.5	Pass
				30	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				40	3.85	3.920	0.0022	-2.5 to 2.5	Pass
				50	3.85	11.802	0.0067	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-32.458	-0.0190	-2.5 to 2.5	Pass
					3.85	-34.289	-0.0200	-2.5 to 2.5	Pass
					4.43	1.760	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-11.730	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-27.080	-0.0158	-2.5 to 2.5	Pass
				-10	3.85	-42.272	-0.0247	-2.5 to 2.5	Pass
				0	3.85	-21.315	-0.0125	-2.5 to 2.5	Pass
				10	3.85	-37.551	-0.0220	-2.5 to 2.5	Pass
				30	3.85	-13.947	-0.0082	-2.5 to 2.5	Pass
				40	3.85	-25.520	-0.0149	-2.5 to 2.5	Pass
				50	3.85	-37.823	-0.0221	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	9.527	0.0055	-2.5 to 2.5	Pass
					3.85	16.623	0.0096	-2.5 to 2.5	Pass
					4.43	15.478	0.0089	-2.5 to 2.5	Pass

				-30	3.85	12.388	0.0072	-2.5 to 2.5	Pass
				-20	3.85	2.160	0.0012	-2.5 to 2.5	Pass
				-10	3.85	-7.038	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-13.919	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-20.013	-0.0116	-2.5 to 2.5	Pass
				30	3.85	-28.367	-0.0164	-2.5 to 2.5	Pass
				40	3.85	-33.102	-0.0191	-2.5 to 2.5	Pass
				50	3.85	-5.994	-0.0035	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	16.623	0.0095	-2.5 to 2.5	Pass
					3.85	18.797	0.0107	-2.5 to 2.5	Pass
					4.43	7.138	0.0041	-2.5 to 2.5	Pass
				-30	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-15.965	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-31.142	-0.0178	-2.5 to 2.5	Pass
				0	3.85	-40.140	-0.0229	-2.5 to 2.5	Pass
				10	3.85	-13.461	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-27.266	-0.0155	-2.5 to 2.5	Pass
				40	3.85	-33.202	-0.0189	-2.5 to 2.5	Pass
				50	3.85	-40.841	-0.0233	-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	9.027	0.0053	-2.5 to 2.5	Pass
					3.85	-7.639	-0.0045	-2.5 to 2.5	Pass
					4.43	-17.610	-0.0103	-2.5 to 2.5	Pass
				-30	3.85	-14.105	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	4.406	0.0026	-2.5 to 2.5	Pass
				0	3.85	14.462	0.0084	-2.5 to 2.5	Pass
				10	3.85	21.157	0.0124	-2.5 to 2.5	Pass
				30	3.85	27.337	0.0160	-2.5 to 2.5	Pass
				40	3.85	30.770	0.0180	-2.5 to 2.5	Pass
				50	3.85	31.500	0.0184	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	25.148	0.0145	-2.5 to 2.5	Pass
					3.85	6.237	0.0036	-2.5 to 2.5	Pass
					4.43	3.490	0.0020	-2.5 to 2.5	Pass
				-30	3.85	12.975	0.0075	-2.5 to 2.5	Pass
				-20	3.85	32.945	0.0190	-2.5 to 2.5	Pass
				-10	3.85	48.223	0.0278	-2.5 to 2.5	Pass
				0	3.85	19.169	0.0111	-2.5 to 2.5	Pass
				10	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				30	3.85	19.197	0.0111	-2.5 to 2.5	Pass
				40	3.85	-13.776	-0.0080	-2.5 to 2.5	Pass
				50	3.85	1.588	0.0009	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	7.925	0.0045	-2.5 to 2.5	Pass
					3.85	0.558	0.0003	-2.5 to 2.5	Pass
					4.43	2.317	0.0013	-2.5 to 2.5	Pass
				-30	3.85	14.405	0.0082	-2.5 to 2.5	Pass
				-20	3.85	29.655	0.0169	-2.5 to 2.5	Pass
				-10	3.85	-9.456	-0.0054	-2.5 to 2.5	Pass

				0	3.85	3.719	0.0021	-2.5 to 2.5	Pass
				10	3.85	18.239	0.0104	-2.5 to 2.5	Pass
				30	3.85	27.723	0.0158	-2.5 to 2.5	Pass
				40	3.85	1.788	0.0010	-2.5 to 2.5	Pass
				50	3.85	9.799	0.0056	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	0.014	0.0000	-2.5 to 2.5	Pass
					3.85	1.702	0.0010	-2.5 to 2.5	Pass
					4.43	-3.705	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-13.046	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-23.975	-0.0140	-2.5 to 2.5	Pass
				-10	3.85	-31.600	-0.0185	-2.5 to 2.5	Pass
				0	3.85	-5.064	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-11.773	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-19.684	-0.0115	-2.5 to 2.5	Pass
				40	3.85	-25.821	-0.0151	-2.5 to 2.5	Pass
				50	3.85	-34.461	-0.0201	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	15.492	0.0089	-2.5 to 2.5	Pass
					3.85	28.911	0.0167	-2.5 to 2.5	Pass
					4.43	32.945	0.0190	-2.5 to 2.5	Pass
				-30	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-6.623	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-10.085	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-11.616	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-17.695	-0.0102	-2.5 to 2.5	Pass
				30	3.85	-18.654	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-20.771	-0.0120	-2.5 to 2.5	Pass
				50	3.85	-21.615	-0.0125	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	18.268	0.0104	-2.5 to 2.5	Pass
					3.85	25.020	0.0143	-2.5 to 2.5	Pass
					4.43	19.755	0.0113	-2.5 to 2.5	Pass
				-30	3.85	10.815	0.0062	-2.5 to 2.5	Pass
				-20	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-12.546	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-26.178	-0.0149	-2.5 to 2.5	Pass
				10	3.85	-34.990	-0.0200	-2.5 to 2.5	Pass
				30	3.85	-8.168	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-16.623	-0.0095	-2.5 to 2.5	Pass
				50	3.85	-23.932	-0.0136	-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	3.991	0.0023	-2.5 to 2.5	Pass
					3.85	-20.785	-0.0121	-2.5 to 2.5	Pass
					4.43	-4.005	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	6.008	0.0035	-2.5 to 2.5	Pass
				-10	3.85	13.719	0.0080	-2.5 to 2.5	Pass
				0	3.85	16.708	0.0098	-2.5 to 2.5	Pass
				10	3.85	15.521	0.0091	-2.5 to 2.5	Pass
				30	3.85	19.541	0.0114	-2.5 to 2.5	Pass

				40	3.85	23.046	0.0135	-2.5 to 2.5	Pass
				50	3.85	23.732	0.0139	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	14.806	0.0085	-2.5 to 2.5	Pass
					3.85	-7.753	-0.0045	-2.5 to 2.5	Pass
					4.43	-13.518	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-6.180	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	7.324	0.0042	-2.5 to 2.5	Pass
				-10	3.85	21.043	0.0121	-2.5 to 2.5	Pass
				0	3.85	34.676	0.0200	-2.5 to 2.5	Pass
				10	3.85	11.973	0.0069	-2.5 to 2.5	Pass
				30	3.85	27.237	0.0157	-2.5 to 2.5	Pass
				40	3.85	42.272	0.0244	-2.5 to 2.5	Pass
				50	3.85	3.991	0.0023	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	7.768	0.0044	-2.5 to 2.5	Pass
					3.85	-8.569	-0.0049	-2.5 to 2.5	Pass
					4.43	-9.270	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	3.548	0.0020	-2.5 to 2.5	Pass
				-20	3.85	15.149	0.0086	-2.5 to 2.5	Pass
				-10	3.85	29.025	0.0166	-2.5 to 2.5	Pass
				0	3.85	3.462	0.0020	-2.5 to 2.5	Pass
				10	3.85	16.222	0.0093	-2.5 to 2.5	Pass
				30	3.85	24.590	0.0140	-2.5 to 2.5	Pass
				40	3.85	33.545	0.0191	-2.5 to 2.5	Pass
				50	3.85	5.407	0.0031	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	25.306	0.0148	-2.5 to 2.5	Pass
					3.85	26.307	0.0154	-2.5 to 2.5	Pass
					4.43	14.849	0.0087	-2.5 to 2.5	Pass
				-30	3.85	6.037	0.0035	-2.5 to 2.5	Pass
				-20	3.85	-6.638	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-16.937	-0.0099	-2.5 to 2.5	Pass
				0	3.85	-22.016	-0.0129	-2.5 to 2.5	Pass
				10	3.85	-32.258	-0.0188	-2.5 to 2.5	Pass
				30	3.85	-4.263	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-11.702	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-17.366	-0.0101	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	16.079	0.0093	-2.5 to 2.5	Pass
					3.85	26.078	0.0151	-2.5 to 2.5	Pass
					4.43	26.736	0.0154	-2.5 to 2.5	Pass
				-30	3.85	20.556	0.0119	-2.5 to 2.5	Pass
				-20	3.85	14.849	0.0086	-2.5 to 2.5	Pass
				-10	3.85	5.393	0.0031	-2.5 to 2.5	Pass
				0	3.85	1.831	0.0011	-2.5 to 2.5	Pass
				10	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-9.813	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-14.691	-0.0085	-2.5 to 2.5	Pass
				50	3.85	-18.926	-0.0109	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	15.836	0.0090	-2.5 to 2.5	Pass
					3.85	22.259	0.0127	-2.5 to 2.5	Pass
					4.43	18.067	0.0103	-2.5 to 2.5	Pass
				-30	3.85	4.592	0.0026	-2.5 to 2.5	Pass
				-20	3.85	-3.591	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-11.315	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-20.900	-0.0119	-2.5 to 2.5	Pass
				10	3.85	-23.189	-0.0132	-2.5 to 2.5	Pass
				30	3.85	-27.881	-0.0159	-2.5 to 2.5	Pass
				40	3.85	-32.344	-0.0185	-2.5 to 2.5	Pass
				50	3.85	-26.722	-0.0152	-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	-3.204	-0.0019	-2.5 to 2.5	Pass
					3.85	-28.954	-0.0169	-2.5 to 2.5	Pass
					4.43	-40.026	-0.0233	-2.5 to 2.5	Pass
				-30	3.85	-36.006	-0.0210	-2.5 to 2.5	Pass
				-20	3.85	-30.499	-0.0178	-2.5 to 2.5	Pass
				-10	3.85	-25.921	-0.0151	-2.5 to 2.5	Pass
				0	3.85	-19.941	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-19.770	-0.0115	-2.5 to 2.5	Pass
				30	3.85	-19.798	-0.0115	-2.5 to 2.5	Pass
				40	3.85	-18.725	-0.0109	-2.5 to 2.5	Pass
				50	3.85	-19.870	-0.0116	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	14.248	0.0082	-2.5 to 2.5	Pass
					3.85	-4.420	-0.0026	-2.5 to 2.5	Pass
					4.43	2.532	0.0015	-2.5 to 2.5	Pass
				-30	3.85	22.545	0.0130	-2.5 to 2.5	Pass
				-20	3.85	9.484	0.0055	-2.5 to 2.5	Pass
				-10	3.85	29.383	0.0170	-2.5 to 2.5	Pass
				0	3.85	11.158	0.0064	-2.5 to 2.5	Pass
				10	3.85	26.193	0.0151	-2.5 to 2.5	Pass
				30	3.85	-4.220	-0.0024	-2.5 to 2.5	Pass
				40	3.85	13.576	0.0078	-2.5 to 2.5	Pass
				50	3.85	23.131	0.0134	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	7.553	0.0043	-2.5 to 2.5	Pass
					3.85	-5.336	-0.0030	-2.5 to 2.5	Pass
					4.43	13.490	0.0077	-2.5 to 2.5	Pass
				-30	3.85	14.005	0.0080	-2.5 to 2.5	Pass
				-20	3.85	11.687	0.0067	-2.5 to 2.5	Pass
				-10	3.85	32.072	0.0183	-2.5 to 2.5	Pass
				0	3.85	16.966	0.0097	-2.5 to 2.5	Pass
				10	3.85	38.366	0.0219	-2.5 to 2.5	Pass
				30	3.85	44.646	0.0255	-2.5 to 2.5	Pass
				40	3.85	17.338	0.0099	-2.5 to 2.5	Pass
				50	3.85	31.228	0.0178	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-19.956	-0.0116	-2.5 to 2.5	Pass
					3.85	-22.974	-0.0134	-2.5 to 2.5	Pass
					4.43	-33.245	-0.0194	-2.5 to 2.5	Pass
				-30	3.85	-33.360	-0.0195	-2.5 to 2.5	Pass
				-20	3.85	-25.449	-0.0148	-2.5 to 2.5	Pass
				-10	3.85	-34.618	-0.0202	-2.5 to 2.5	Pass
				0	3.85	-13.361	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-24.061	-0.0140	-2.5 to 2.5	Pass
				30	3.85	-34.504	-0.0201	-2.5 to 2.5	Pass
				40	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				50	3.85	8.984	0.0052	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	25.263	0.0146	-2.5 to 2.5	Pass
					3.85	6.809	0.0039	-2.5 to 2.5	Pass
					4.43	7.467	0.0043	-2.5 to 2.5	Pass

				-30	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-6.151	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-11.373	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-19.283	-0.0111	-2.5 to 2.5	Pass
				40	3.85	-22.559	-0.0130	-2.5 to 2.5	Pass
				50	3.85	-21.944	-0.0127	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	15.478	0.0088	-2.5 to 2.5	Pass
					3.85	25.592	0.0146	-2.5 to 2.5	Pass
					4.43	13.647	0.0078	-2.5 to 2.5	Pass
				-30	3.85	15.106	0.0086	-2.5 to 2.5	Pass
				-20	3.85	19.455	0.0111	-2.5 to 2.5	Pass
				-10	3.85	16.251	0.0093	-2.5 to 2.5	Pass
				0	3.85	27.194	0.0155	-2.5 to 2.5	Pass
				10	3.85	20.342	0.0116	-2.5 to 2.5	Pass
				30	3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-30.341	-0.0173	-2.5 to 2.5	Pass
				50	3.85	-16.837	-0.0096	-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	-21.629	-0.0126	-2.5 to 2.5	Pass
					3.85	-29.783	-0.0173	-2.5 to 2.5	Pass
					4.43	4.921	0.0029	-2.5 to 2.5	Pass
				-30	3.85	-4.091	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-12.016	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-17.724	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-25.964	-0.0151	-2.5 to 2.5	Pass
				10	3.85	5.150	0.0030	-2.5 to 2.5	Pass
				30	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-16.365	-0.0095	-2.5 to 2.5	Pass
				50	3.85	-24.233	-0.0141	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	24.104	0.0139	-2.5 to 2.5	Pass
					3.85	-3.734	-0.0022	-2.5 to 2.5	Pass
					4.43	2.289	0.0013	-2.5 to 2.5	Pass
				-30	3.85	23.603	0.0136	-2.5 to 2.5	Pass
				-20	3.85	40.512	0.0234	-2.5 to 2.5	Pass
				-10	3.85	29.783	0.0172	-2.5 to 2.5	Pass
				0	3.85	38.509	0.0222	-2.5 to 2.5	Pass
				10	3.85	15.550	0.0090	-2.5 to 2.5	Pass
				30	3.85	-7.353	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				50	3.85	6.480	0.0037	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	15.707	0.0090	-2.5 to 2.5	Pass
					3.85	3.376	0.0019	-2.5 to 2.5	Pass
					4.43	10.686	0.0061	-2.5 to 2.5	Pass
				-30	3.85	31.214	0.0179	-2.5 to 2.5	Pass
				-20	3.85	13.447	0.0077	-2.5 to 2.5	Pass
				-10	3.85	32.430	0.0186	-2.5 to 2.5	Pass

				0	3.85	13.247	0.0076	-2.5 to 2.5	Pass
				10	3.85	27.223	0.0156	-2.5 to 2.5	Pass
				30	3.85	42.229	0.0242	-2.5 to 2.5	Pass
				40	3.85	3.591	0.0021	-2.5 to 2.5	Pass
				50	3.85	19.784	0.0113	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-18.125	-0.0106	-2.5 to 2.5	Pass
					3.85	-10.514	-0.0061	-2.5 to 2.5	Pass
					4.43	-31.343	-0.0182	-2.5 to 2.5	Pass
				-30	3.85	-16.594	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-17.281	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-13.318	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-33.932	-0.0198	-2.5 to 2.5	Pass
				10	3.85	-19.155	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-35.648	-0.0208	-2.5 to 2.5	Pass
				40	3.85	-14.105	-0.0082	-2.5 to 2.5	Pass
				50	3.85	-28.653	-0.0167	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	13.919	0.0080	-2.5 to 2.5	Pass
					3.85	13.118	0.0076	-2.5 to 2.5	Pass
					4.43	7.353	0.0042	-2.5 to 2.5	Pass
				-30	3.85	-4.907	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-18.210	-0.0105	-2.5 to 2.5	Pass
				-10	3.85	-31.514	-0.0182	-2.5 to 2.5	Pass
				0	3.85	9.699	0.0056	-2.5 to 2.5	Pass
				10	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				30	3.85	-5.236	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-10.643	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-18.568	-0.0107	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	27.866	0.0159	-2.5 to 2.5	Pass
					3.85	30.570	0.0175	-2.5 to 2.5	Pass
					4.43	21.272	0.0122	-2.5 to 2.5	Pass
				-30	3.85	8.984	0.0051	-2.5 to 2.5	Pass
				-20	3.85	-3.705	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-11.673	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-21.887	-0.0125	-2.5 to 2.5	Pass
				10	3.85	-33.345	-0.0191	-2.5 to 2.5	Pass
				30	3.85	-14.462	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-15.965	-0.0091	-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	-20.213	-0.0118	-2.5 to 2.5	Pass
					3.85	-5.035	-0.0029	-2.5 to 2.5	Pass
					4.43	-10.071	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-5.164	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				-10	3.85	4.706	0.0027	-2.5 to 2.5	Pass
				0	3.85	6.194	0.0036	-2.5 to 2.5	Pass
				10	3.85	10.085	0.0059	-2.5 to 2.5	Pass
				30	3.85	8.197	0.0048	-2.5 to 2.5	Pass

				40	3.85	7.324	0.0043	-2.5 to 2.5	Pass
				50	3.85	5.765	0.0034	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	13.590	0.0078	-2.5 to 2.5	Pass
					3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
					4.43	14.219	0.0082	-2.5 to 2.5	Pass
				-30	3.85	16.594	0.0096	-2.5 to 2.5	Pass
				-20	3.85	17.323	0.0100	-2.5 to 2.5	Pass
				-10	3.85	2.375	0.0014	-2.5 to 2.5	Pass
				0	3.85	25.363	0.0146	-2.5 to 2.5	Pass
				10	3.85	4.721	0.0027	-2.5 to 2.5	Pass
				30	3.85	22.187	0.0128	-2.5 to 2.5	Pass
				40	3.85	35.162	0.0203	-2.5 to 2.5	Pass
				50	3.85	13.390	0.0077	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	10.715	0.0061	-2.5 to 2.5	Pass
					3.85	6.094	0.0035	-2.5 to 2.5	Pass
					4.43	16.179	0.0093	-2.5 to 2.5	Pass
				-30	3.85	22.917	0.0131	-2.5 to 2.5	Pass
				-20	3.85	13.604	0.0078	-2.5 to 2.5	Pass
				-10	3.85	26.350	0.0151	-2.5 to 2.5	Pass
				0	3.85	22.688	0.0130	-2.5 to 2.5	Pass
				10	3.85	-6.995	-0.0040	-2.5 to 2.5	Pass
				30	3.85	12.460	0.0071	-2.5 to 2.5	Pass
				40	3.85	25.892	0.0148	-2.5 to 2.5	Pass
				50	3.85	35.491	0.0203	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	5.779	0.0034	-2.5 to 2.5	Pass
					3.85	-3.705	-0.0022	-2.5 to 2.5	Pass
					4.43	-19.369	-0.0113	-2.5 to 2.5	Pass
				-30	3.85	-36.893	-0.0214	-2.5 to 2.5	Pass
				-20	3.85	-4.063	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-16.022	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-29.197	-0.0170	-2.5 to 2.5	Pass
				10	3.85	-7.682	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-20.499	-0.0119	-2.5 to 2.5	Pass
				40	3.85	-29.569	-0.0172	-2.5 to 2.5	Pass
				50	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	23.804	0.0137	-2.5 to 2.5	Pass
					3.85	24.161	0.0139	-2.5 to 2.5	Pass
					4.43	12.975	0.0075	-2.5 to 2.5	Pass
				-30	3.85	1.087	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-10.014	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-16.780	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-24.261	-0.0140	-2.5 to 2.5	Pass
				10	3.85	-29.612	-0.0171	-2.5 to 2.5	Pass
				30	3.85	-34.733	-0.0200	-2.5 to 2.5	Pass
				40	3.85	-15.392	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	18.940	0.0109	-2.5 to 2.5	Pass
					3.85	20.199	0.0116	-2.5 to 2.5	Pass
					4.43	7.696	0.0044	-2.5 to 2.5	Pass
				-30	3.85	-5.794	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-13.318	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-21.844	-0.0125	-2.5 to 2.5	Pass
				0	3.85	-29.011	-0.0166	-2.5 to 2.5	Pass
				10	3.85	2.432	0.0014	-2.5 to 2.5	Pass
				30	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-8.340	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-10.257	-0.0059	-2.5 to 2.5	Pass

3. Modulation Characteristics

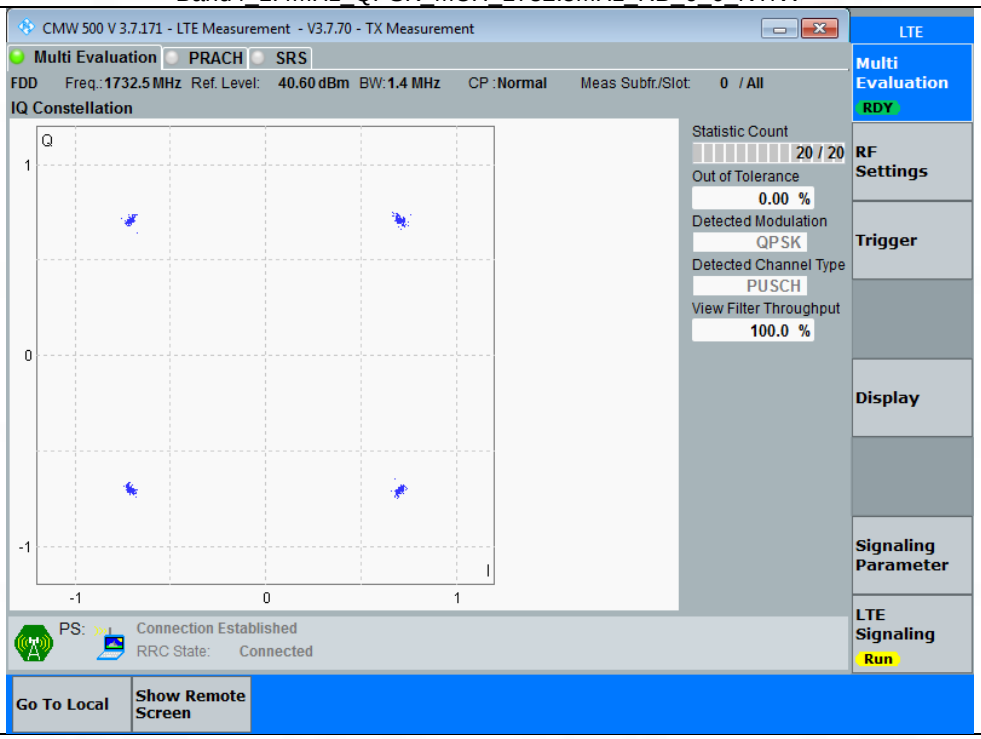
3.1 B4_1.4MHz

3.1.1 Test Result

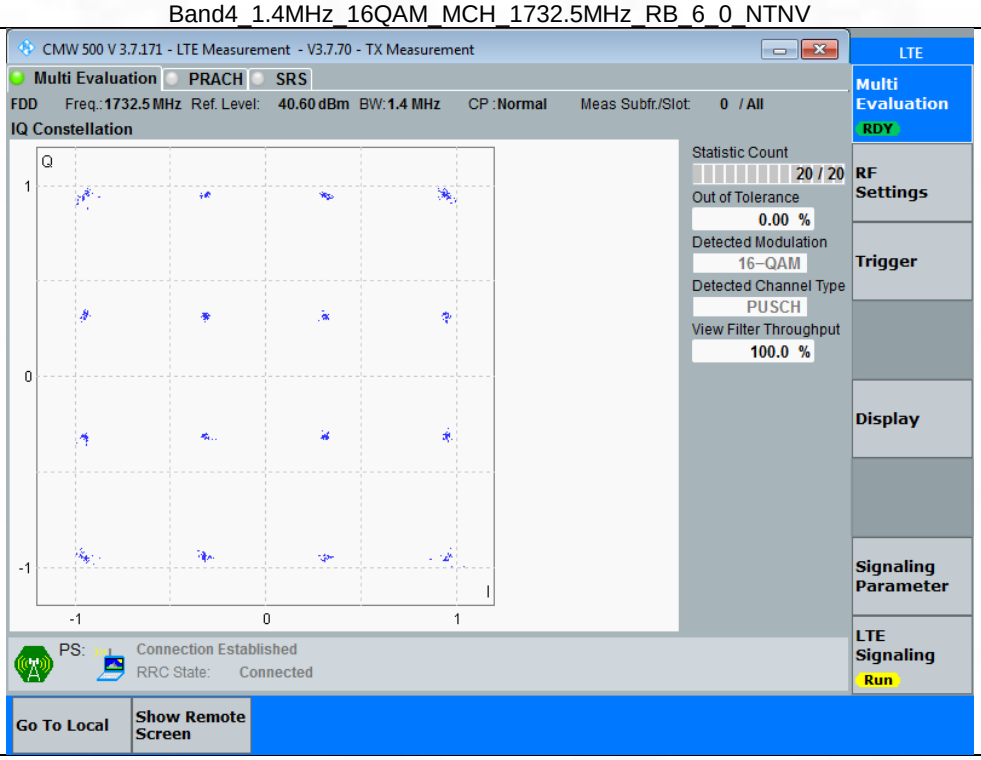
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

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



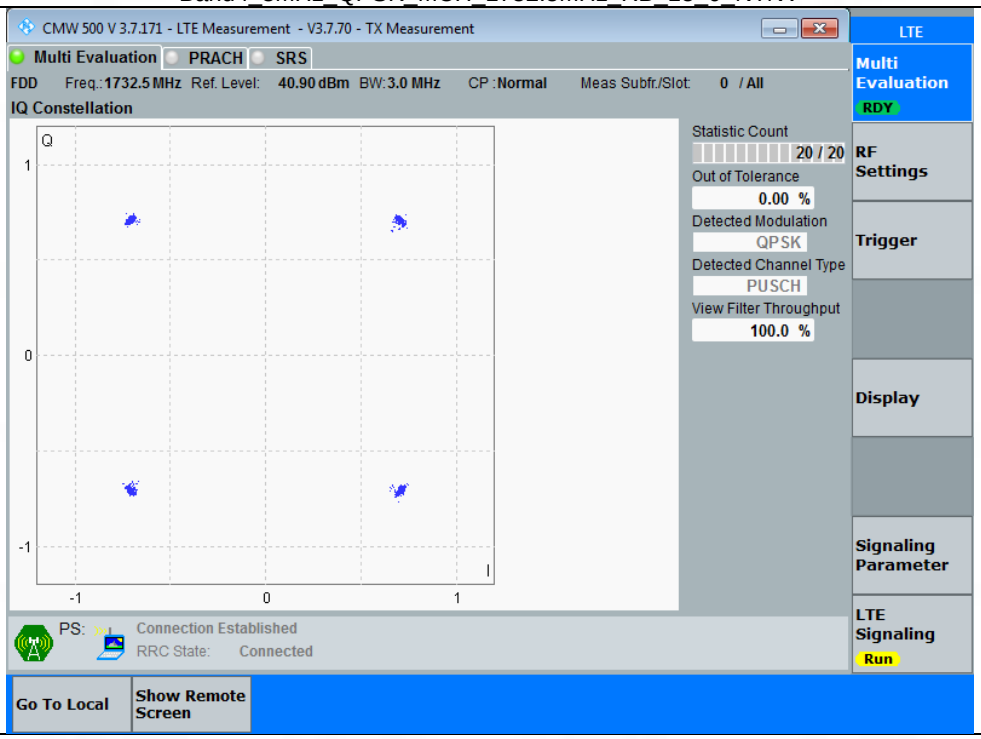
3.2 B4_3MHz

3.2.1 Test Result

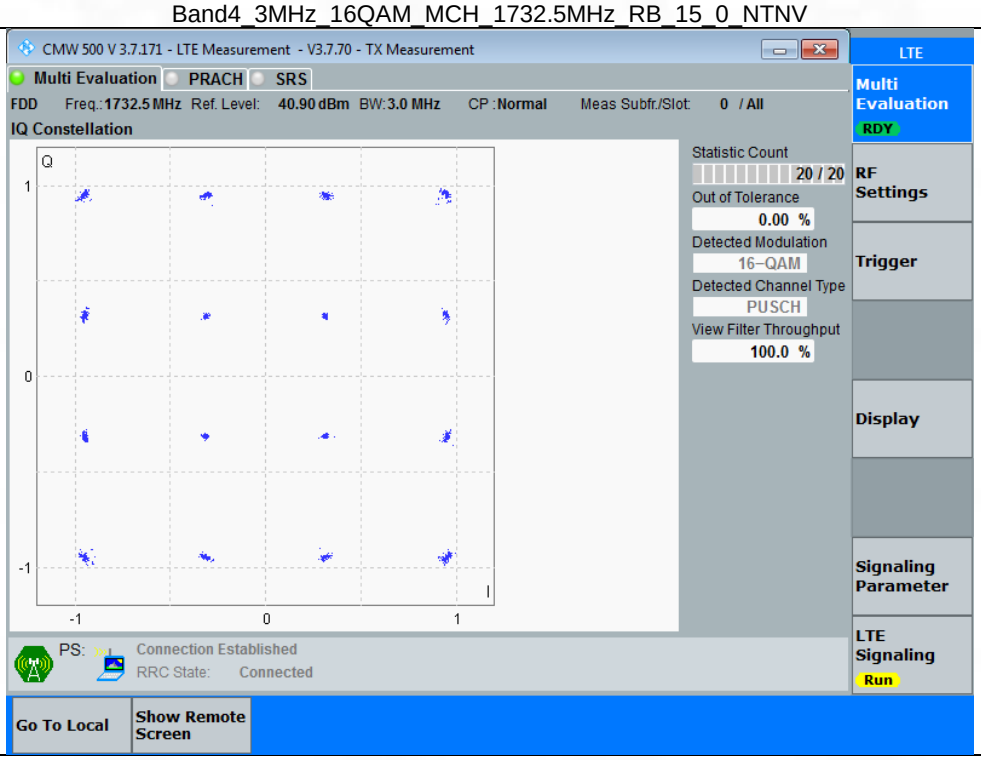
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

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



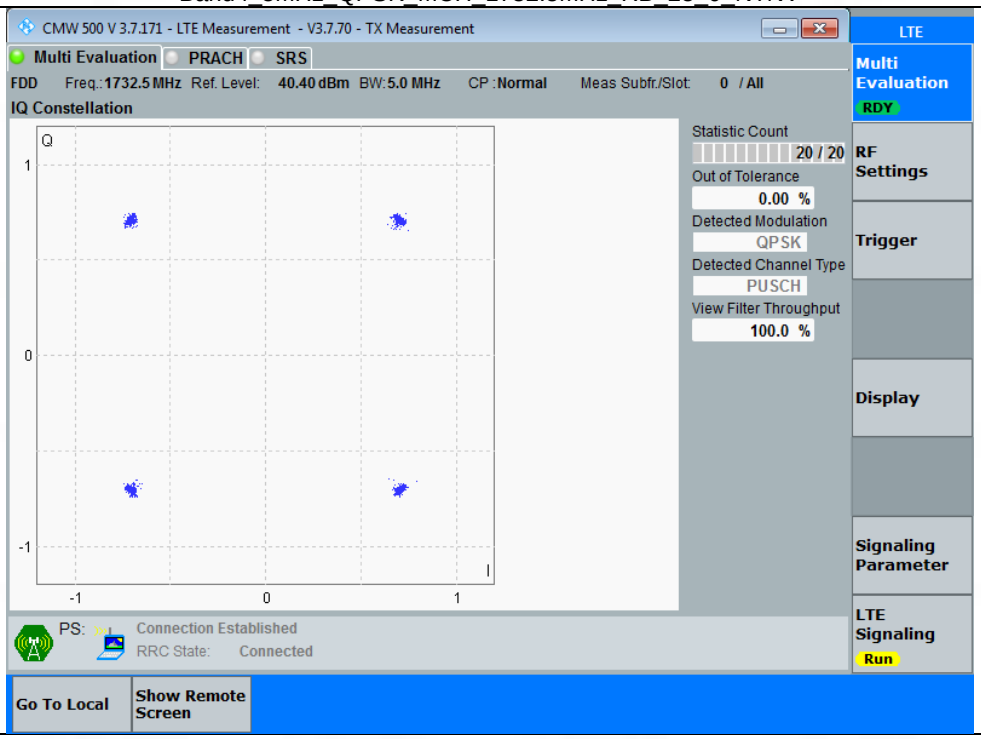
3.3 B4_5MHz

3.3.1 Test Result

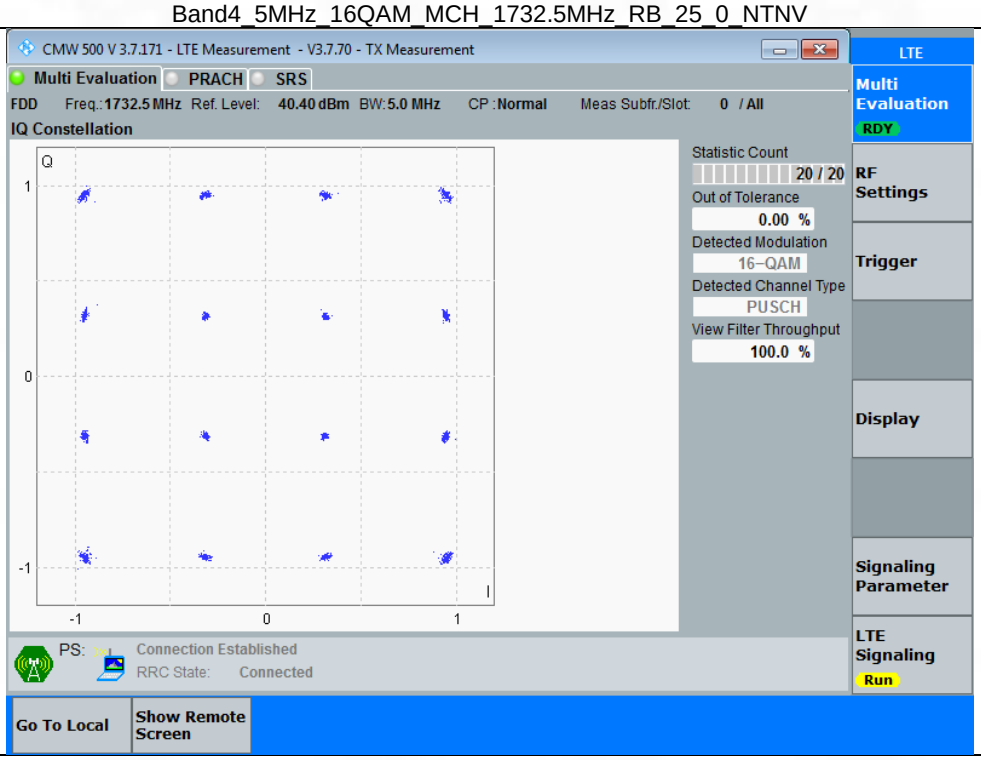
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

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



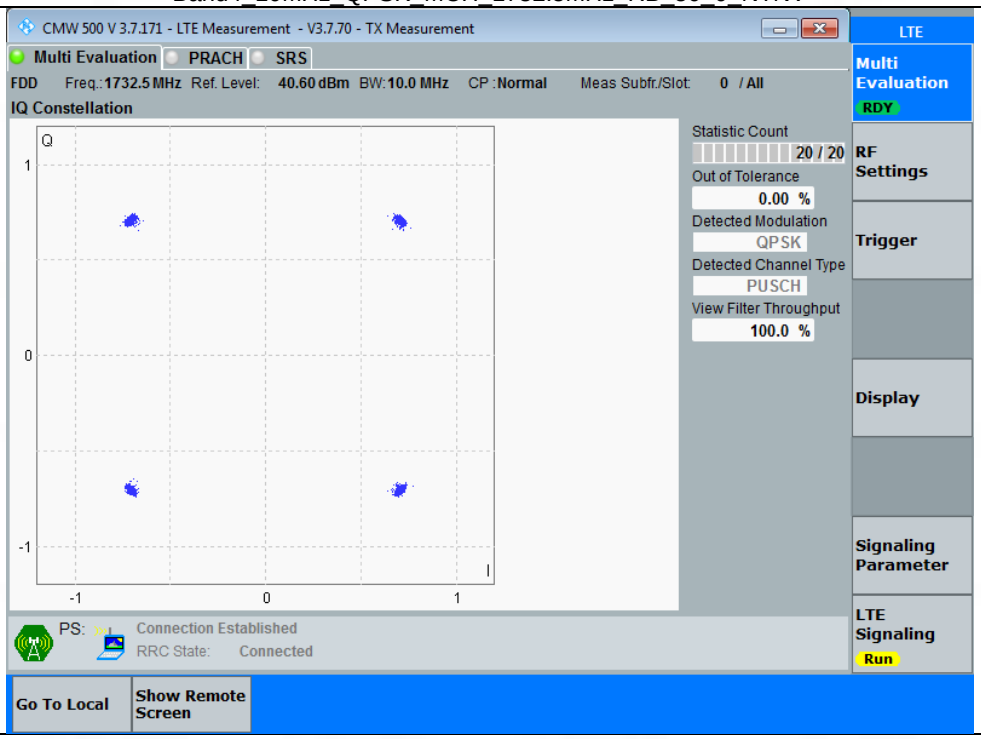
3.4 B4_10MHz

3.4.1 Test Result

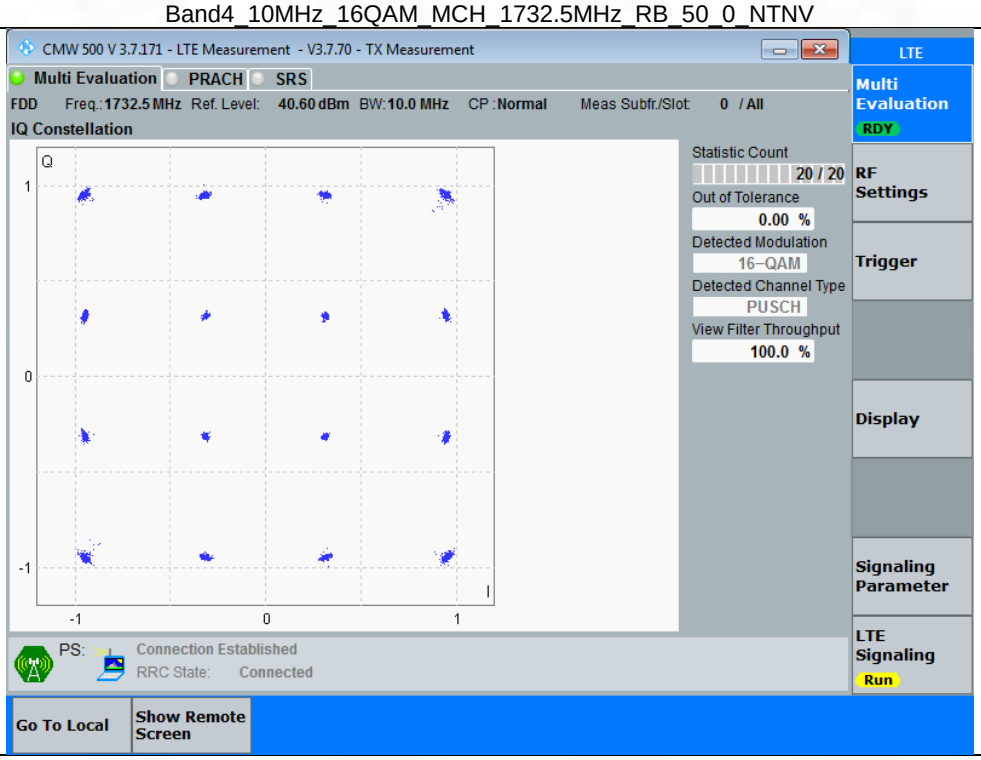
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

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



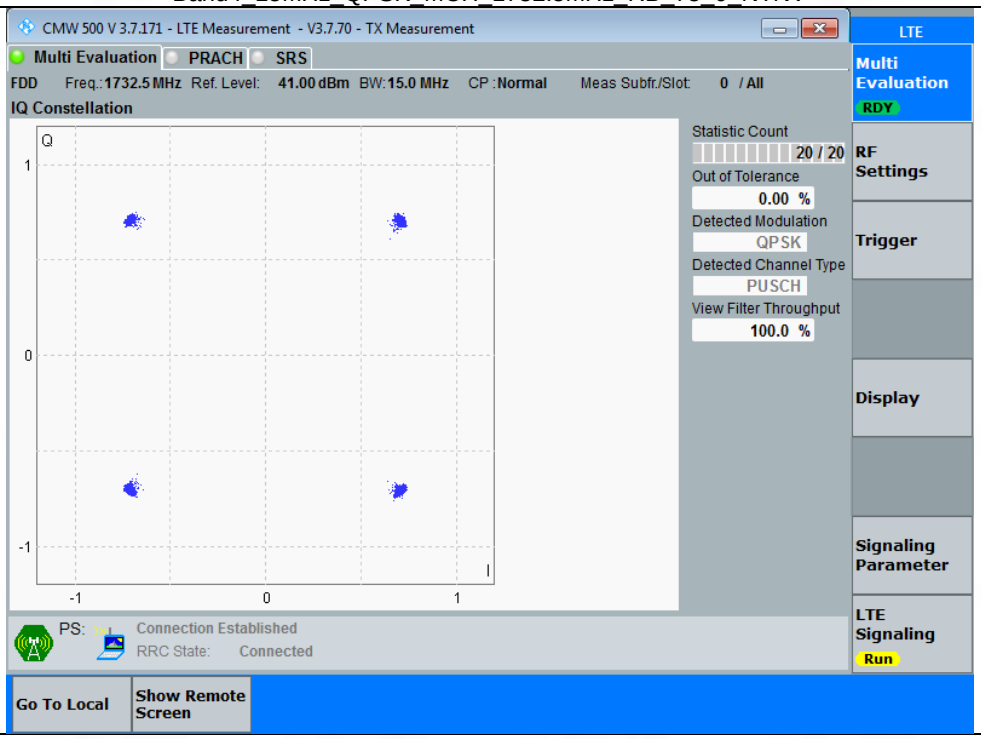
3.5 B4_15MHz

3.5.1 Test Result

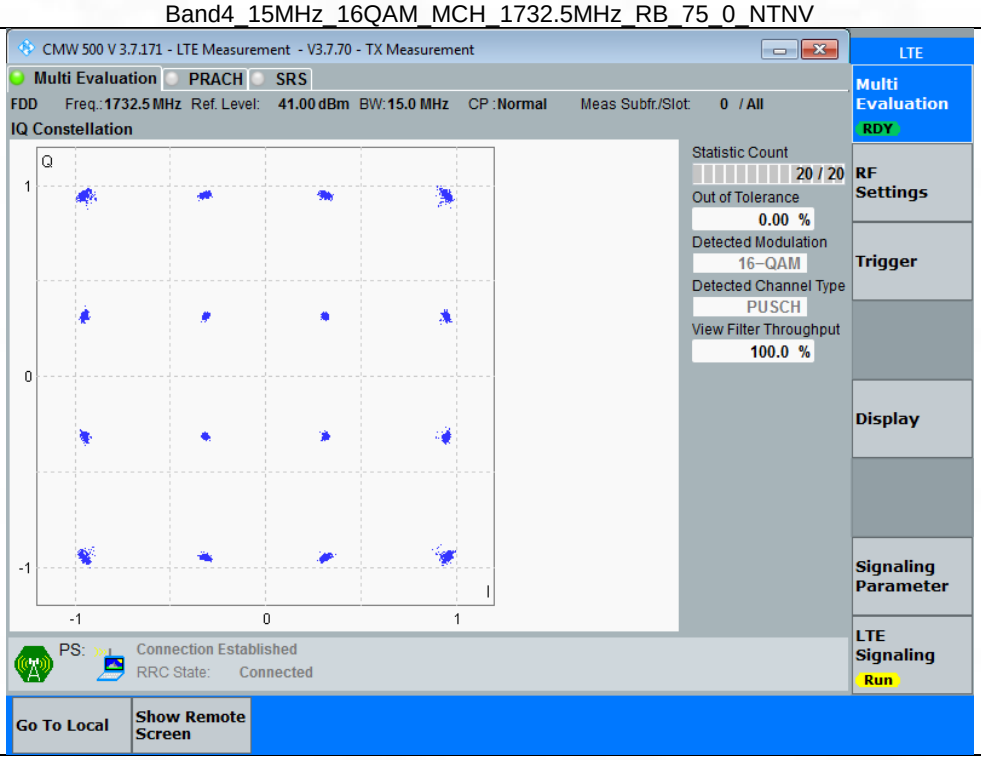
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

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



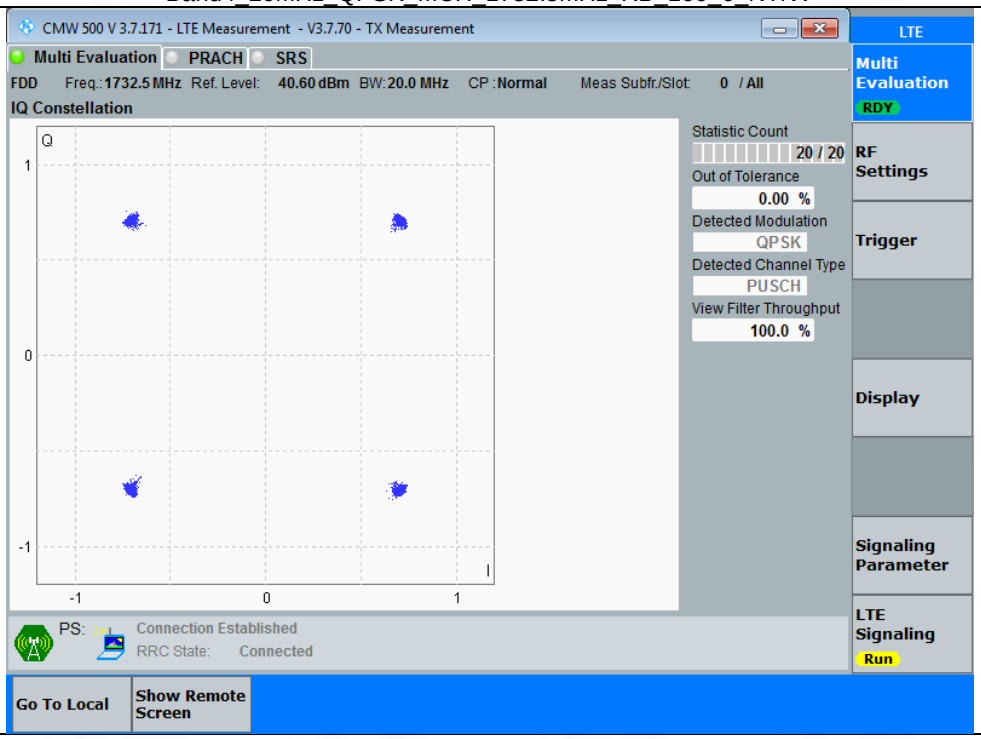
3.6 B4_20MHz

3.6.1 Test Result

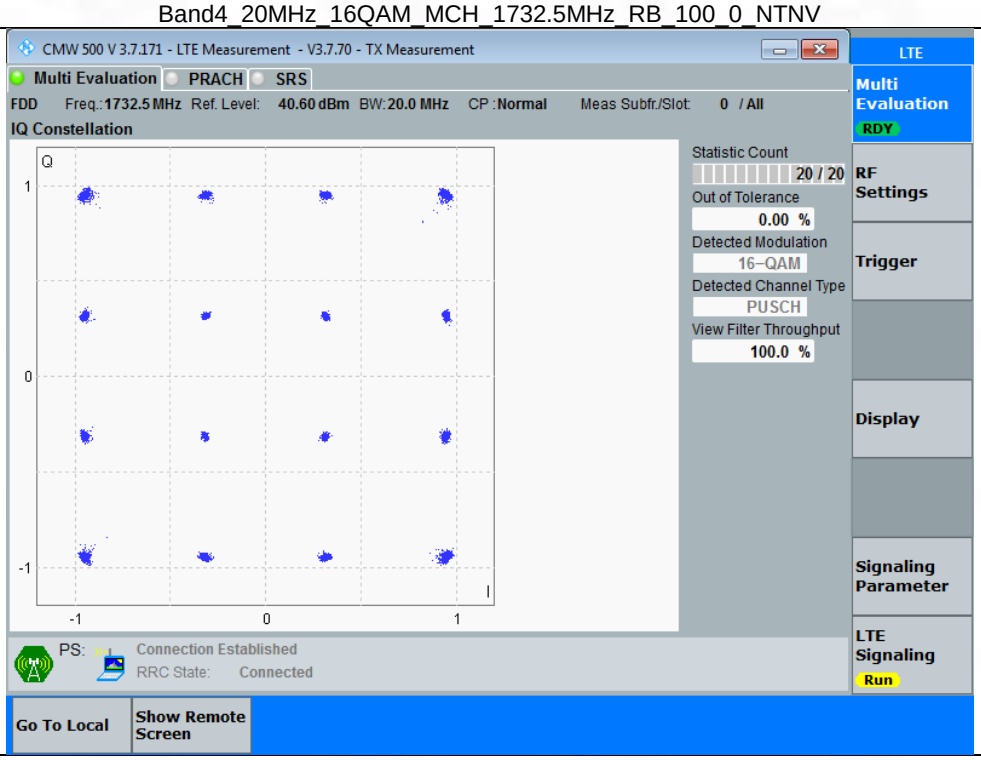
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

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

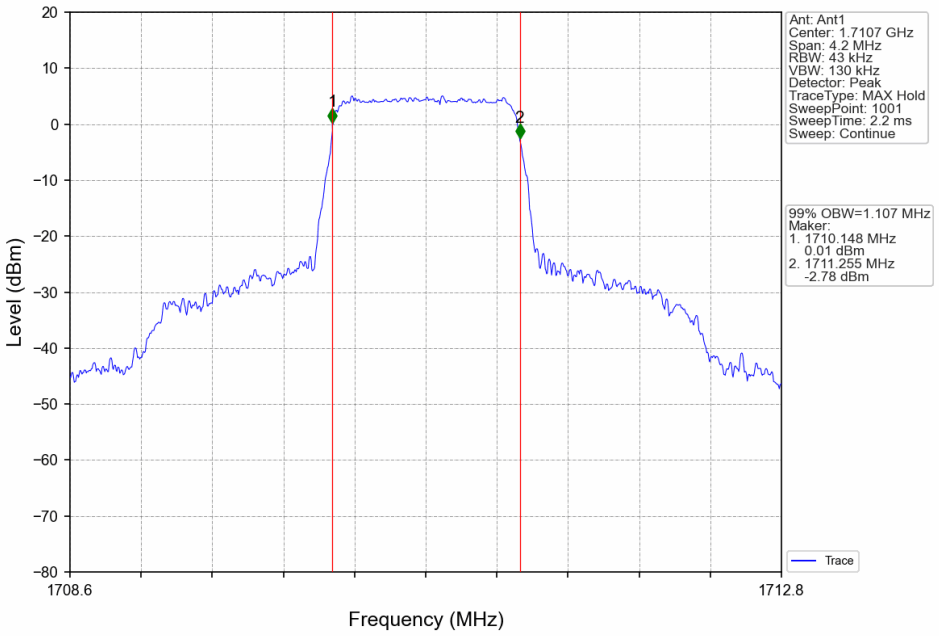
4.1 Band4_OBW

4.1.1 Test Result

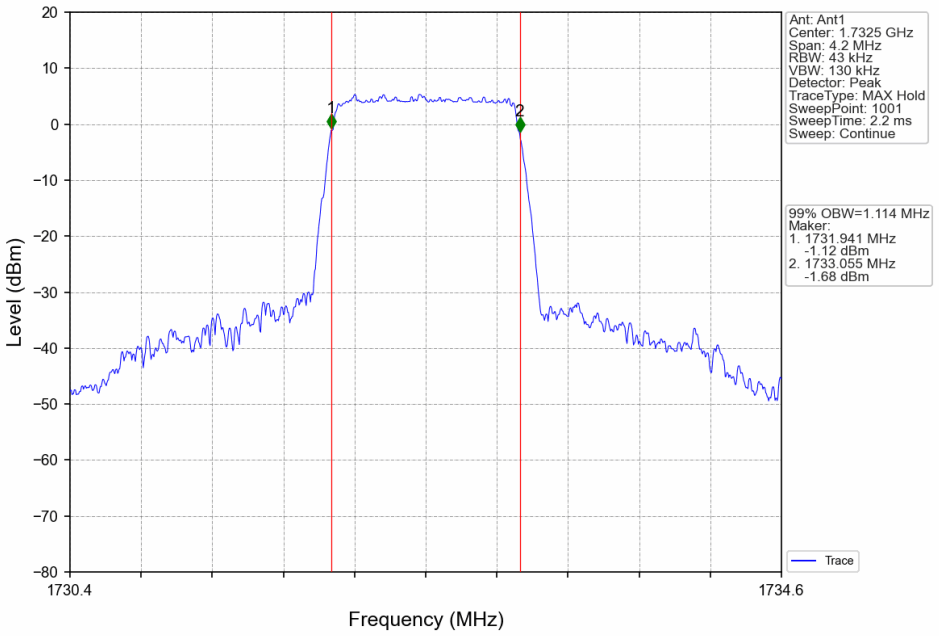
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.107	Pass
		1732.5	6	0	1.114	Pass
		1754.3	6	0	1.118	Pass
	16QAM	1710.7	6	0	1.106	Pass
		1732.5	6	0	1.112	Pass
		1754.3	6	0	1.114	Pass
3	QPSK	1711.5	15	0	2.772	Pass
		1732.5	15	0	2.740	Pass
		1753.5	15	0	2.763	Pass
	16QAM	1711.5	15	0	2.765	Pass
		1732.5	15	0	2.754	Pass
		1753.5	15	0	2.775	Pass
5	QPSK	1712.5	25	0	4.573	Pass
		1732.5	25	0	4.559	Pass
		1752.5	25	0	4.555	Pass
	16QAM	1712.5	25	0	4.563	Pass
		1732.5	25	0	4.568	Pass
		1752.5	25	0	4.593	Pass
10	QPSK	1715	50	0	9.073	Pass
		1732.5	50	0	9.063	Pass
		1750	50	0	9.111	Pass
	16QAM	1715	50	0	9.101	Pass
		1732.5	50	0	9.053	Pass
		1750	50	0	9.078	Pass
15	QPSK	1717.5	75	0	13.640	Pass
		1732.5	75	0	13.577	Pass
		1747.5	75	0	13.610	Pass
	16QAM	1717.5	75	0	13.657	Pass
		1732.5	75	0	13.610	Pass
		1747.5	75	0	13.622	Pass
20	QPSK	1720	100	0	18.145	Pass
		1732.5	100	0	18.131	Pass
		1745	100	0	18.173	Pass
	16QAM	1720	100	0	18.223	Pass
		1732.5	100	0	18.143	Pass
		1745	100	0	18.177	Pass

4.1.2 Test Graph

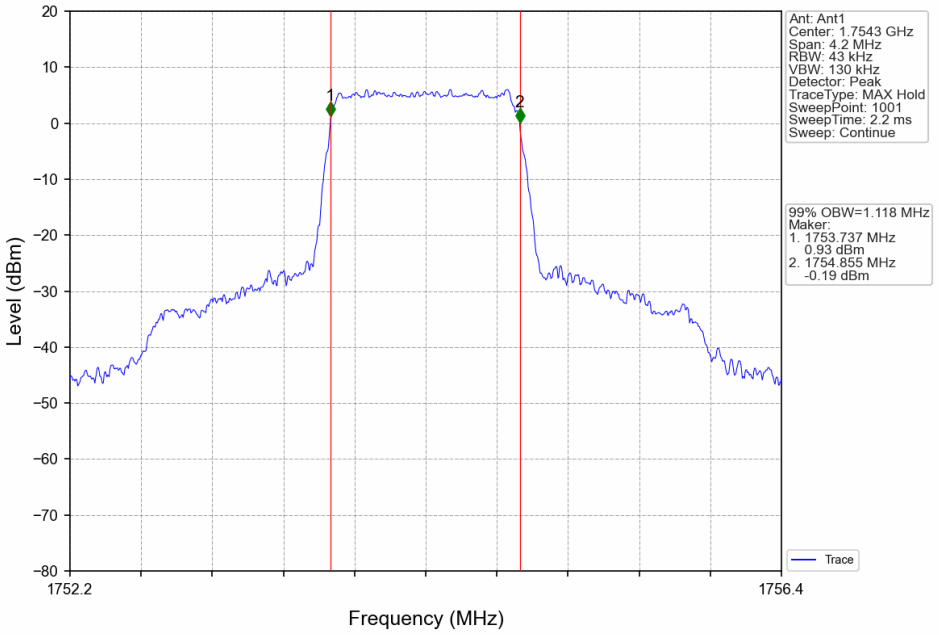
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



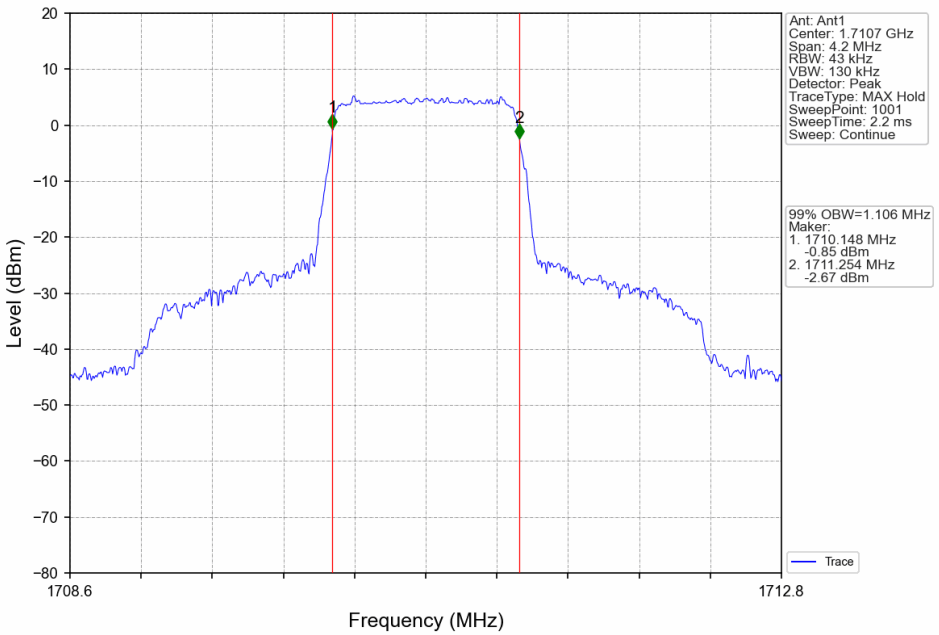
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



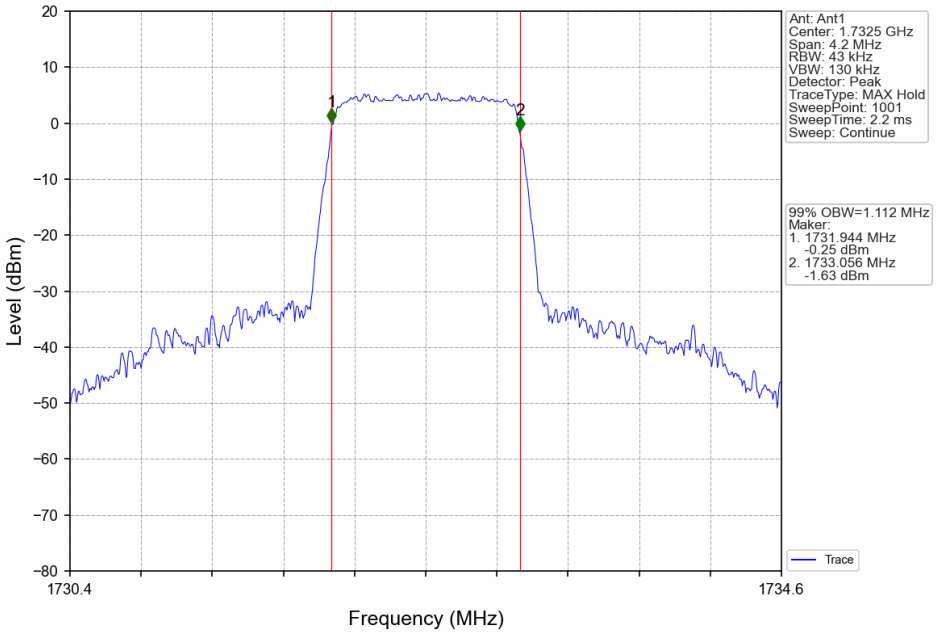
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



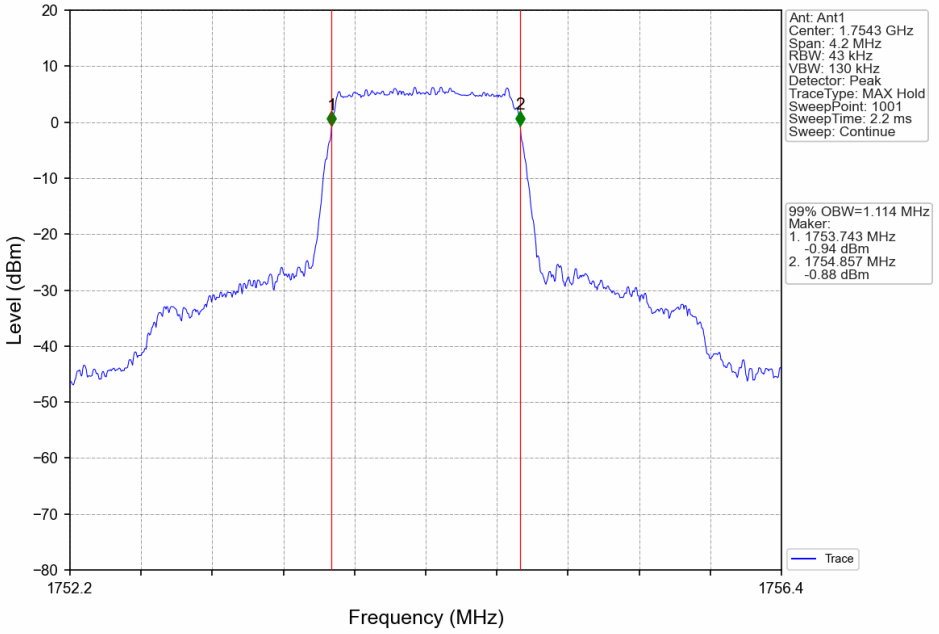
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



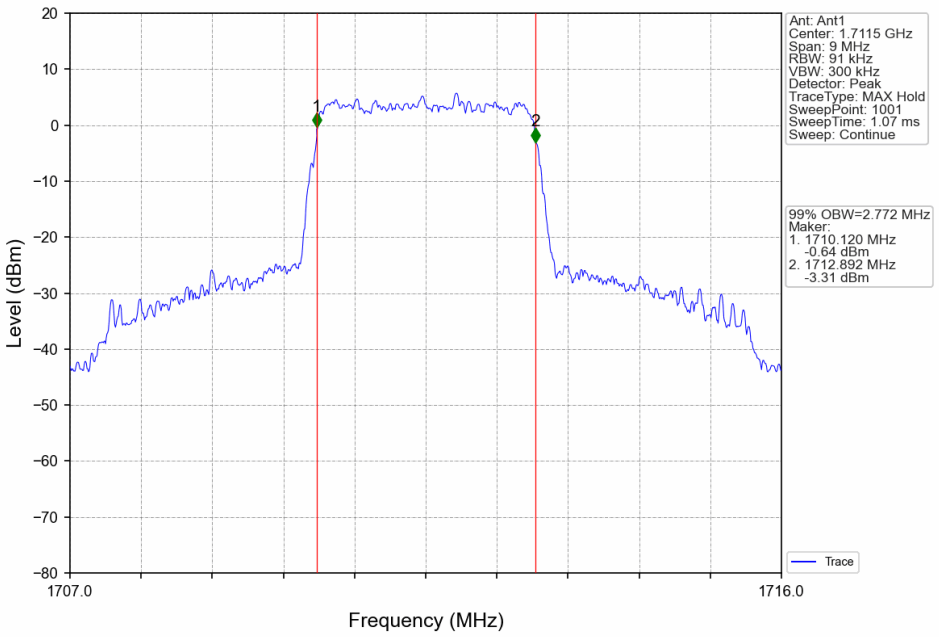
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



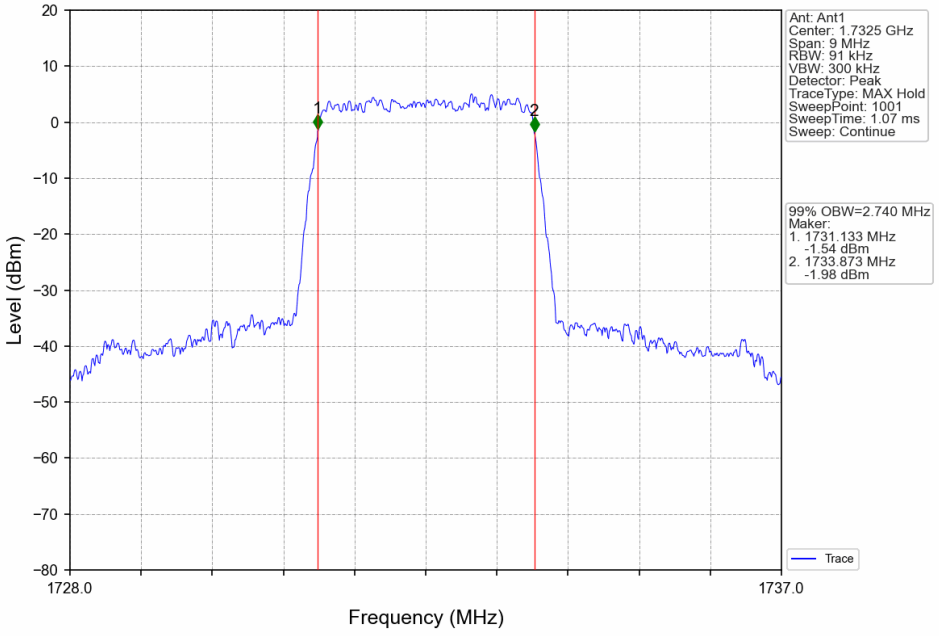
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



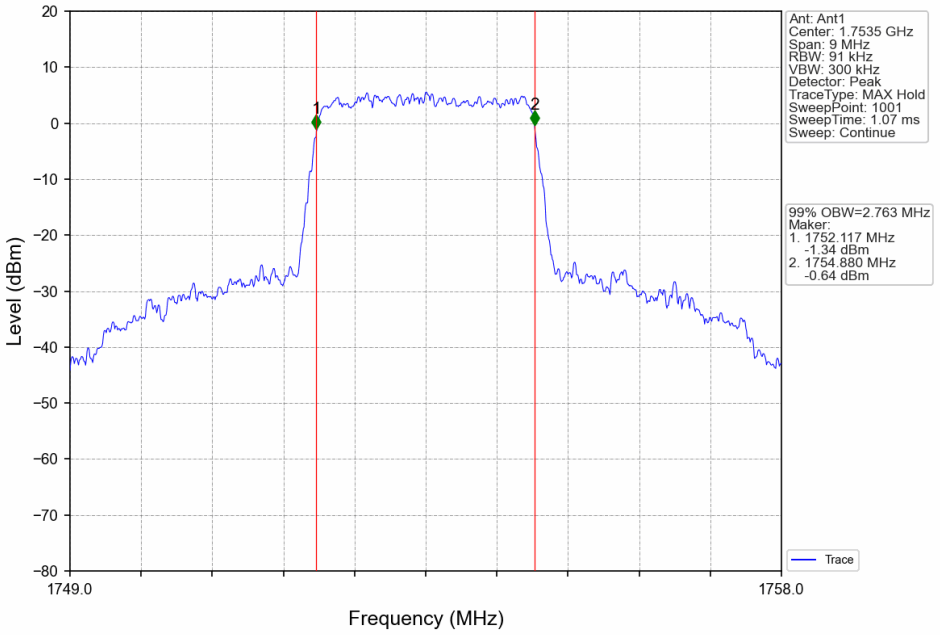
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



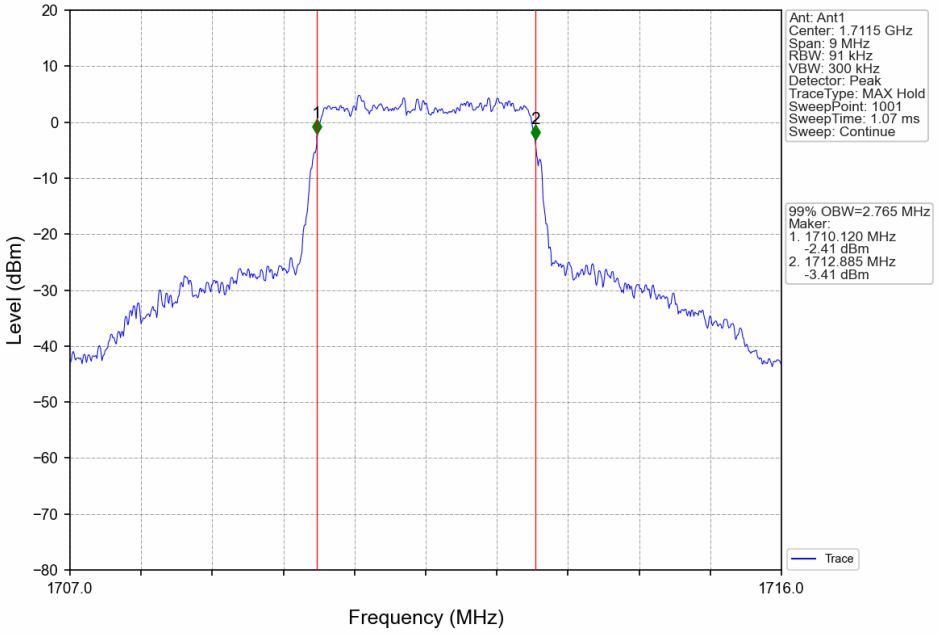
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



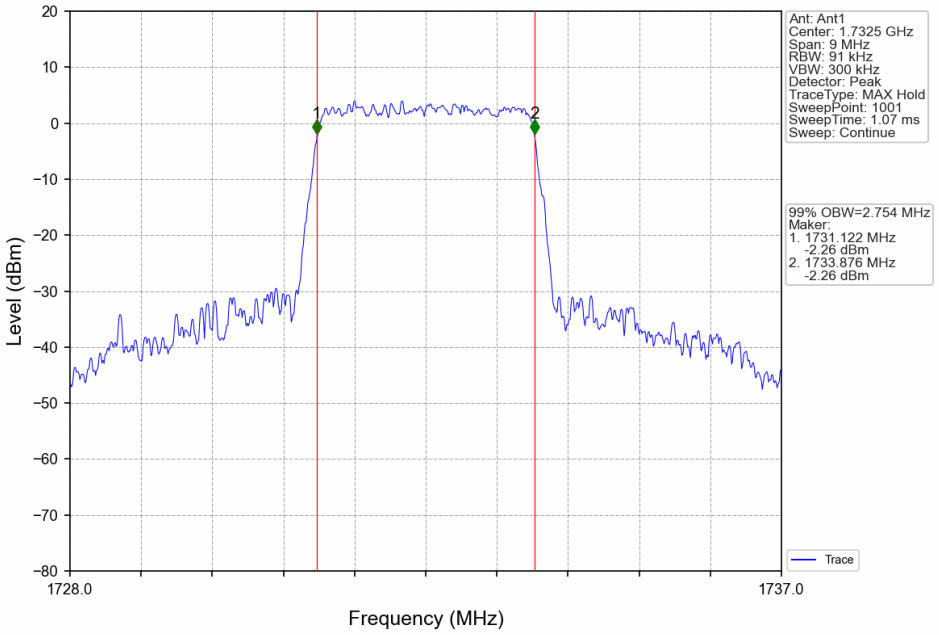
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



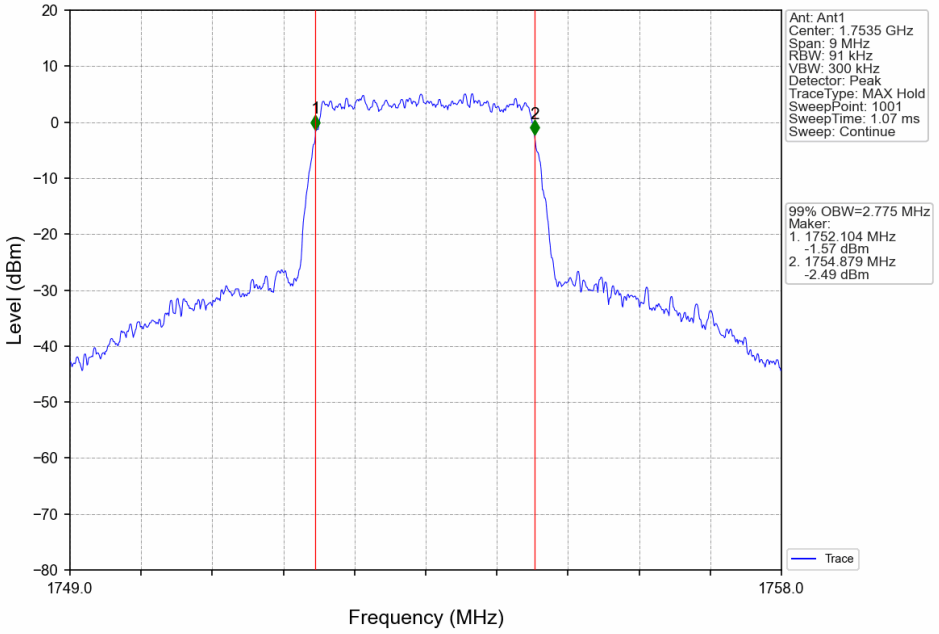
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



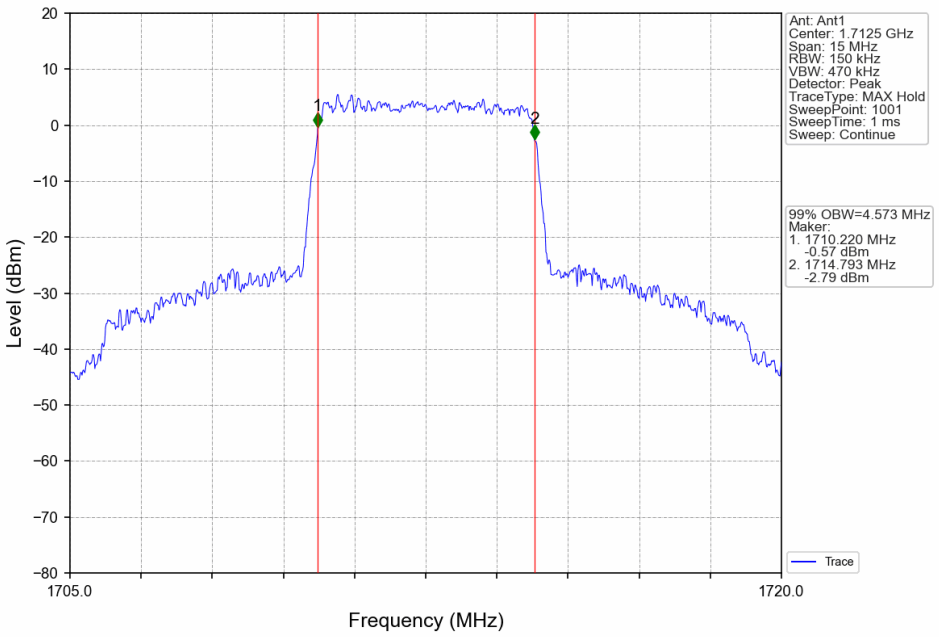
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



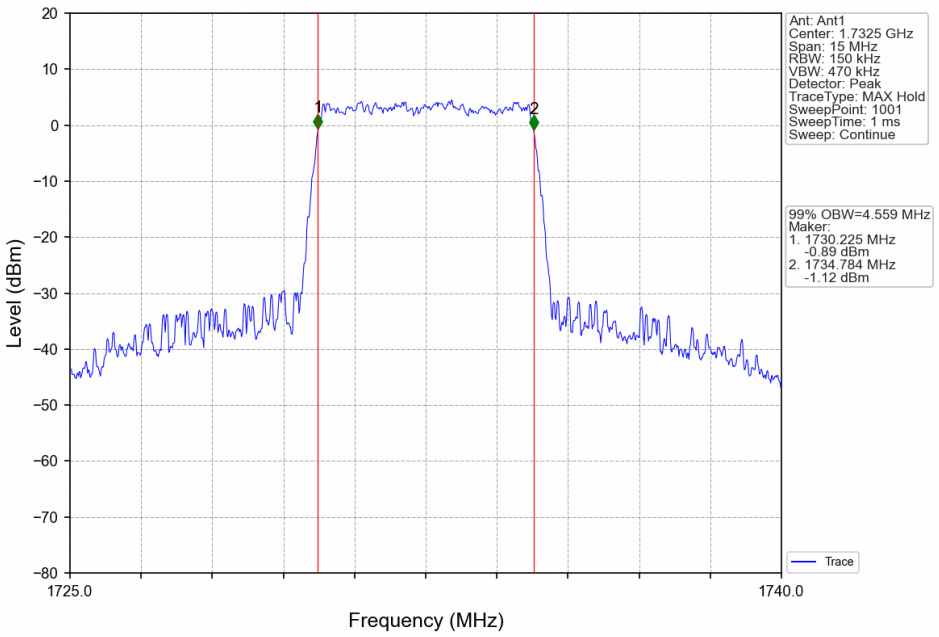
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



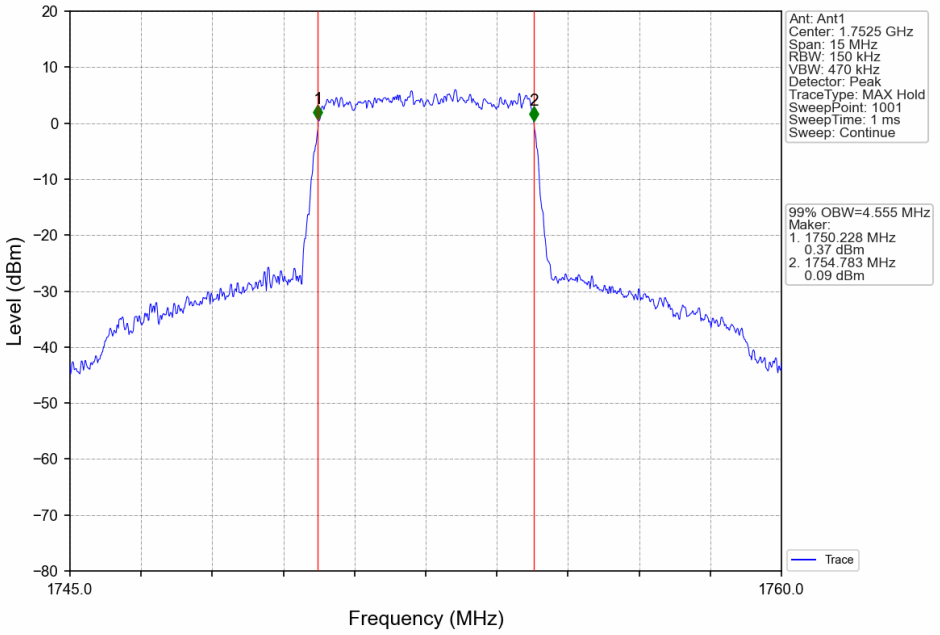
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



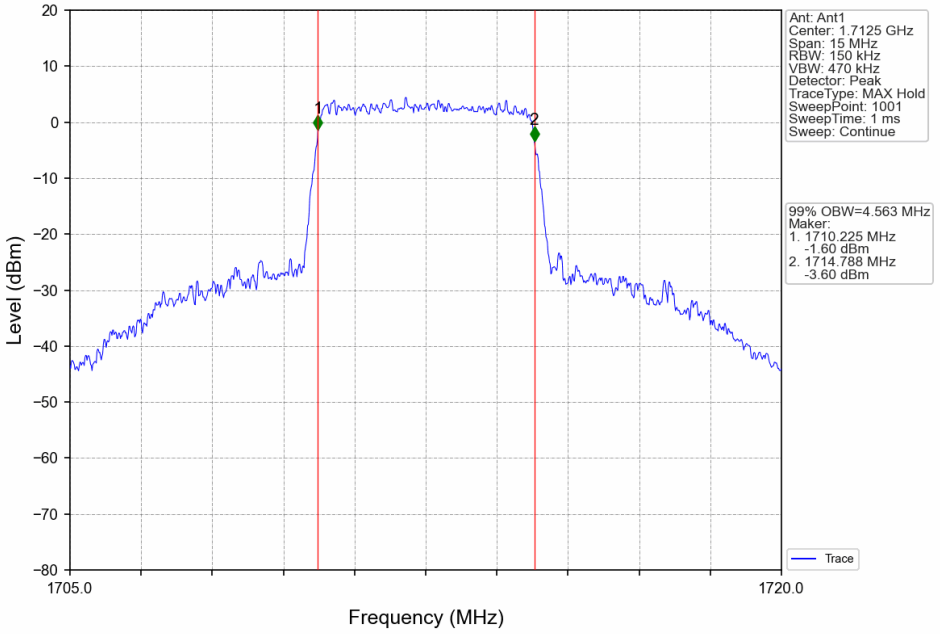
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



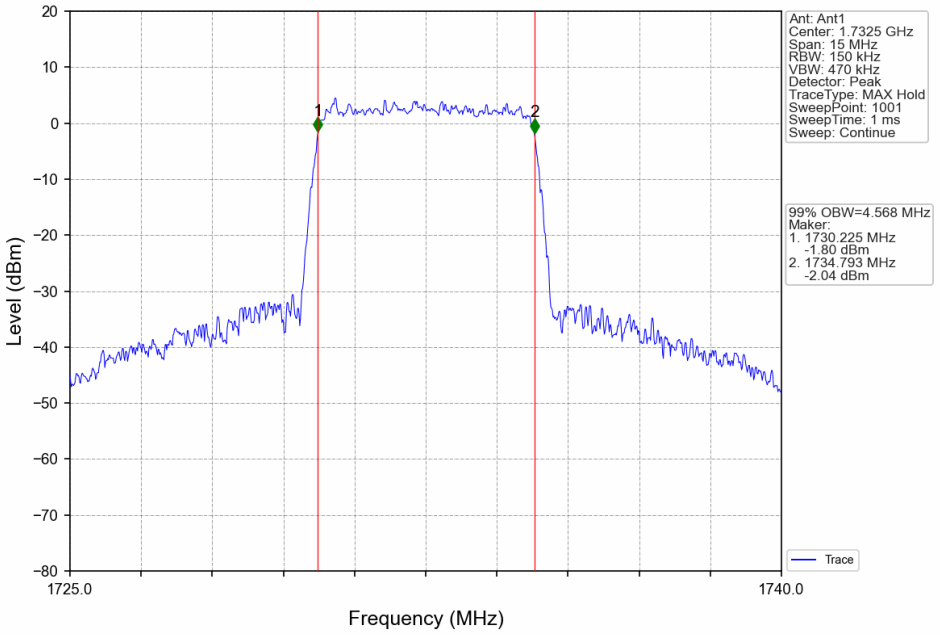
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



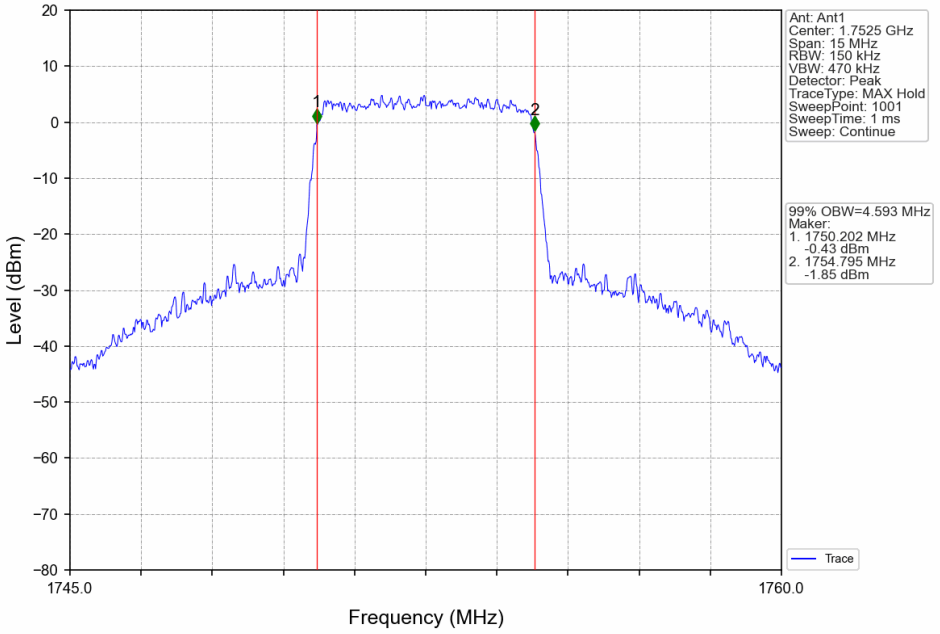
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



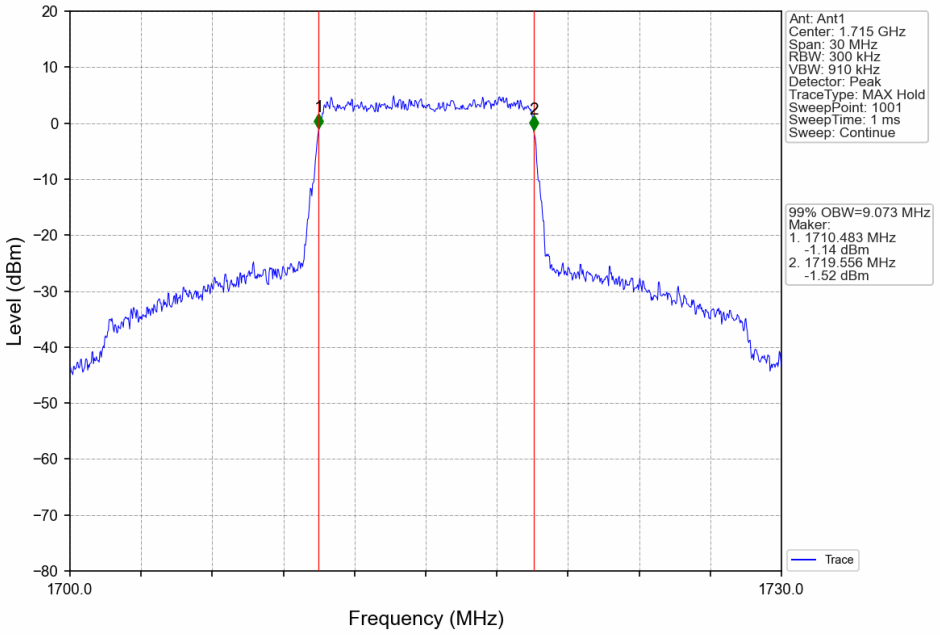
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



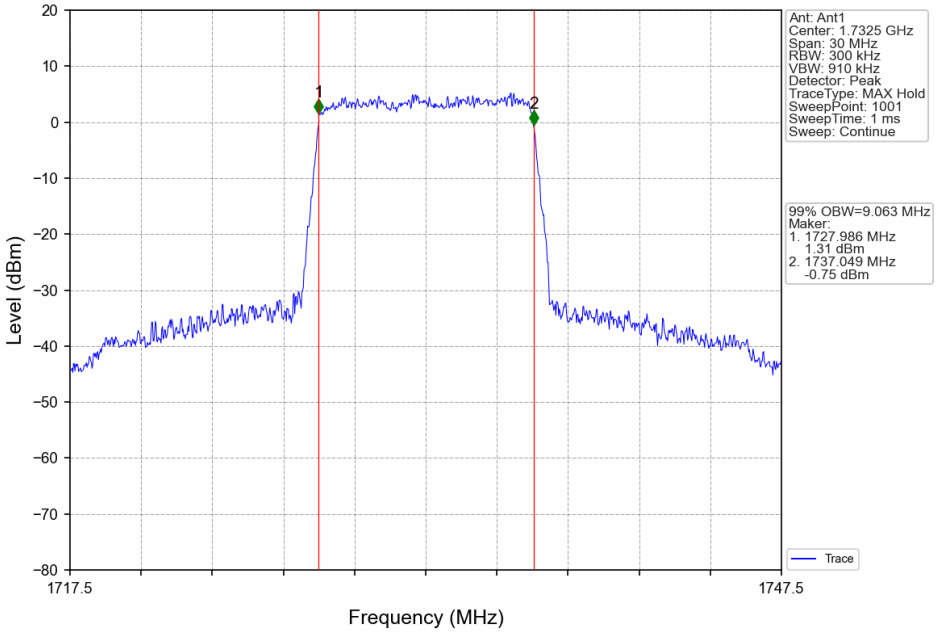
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



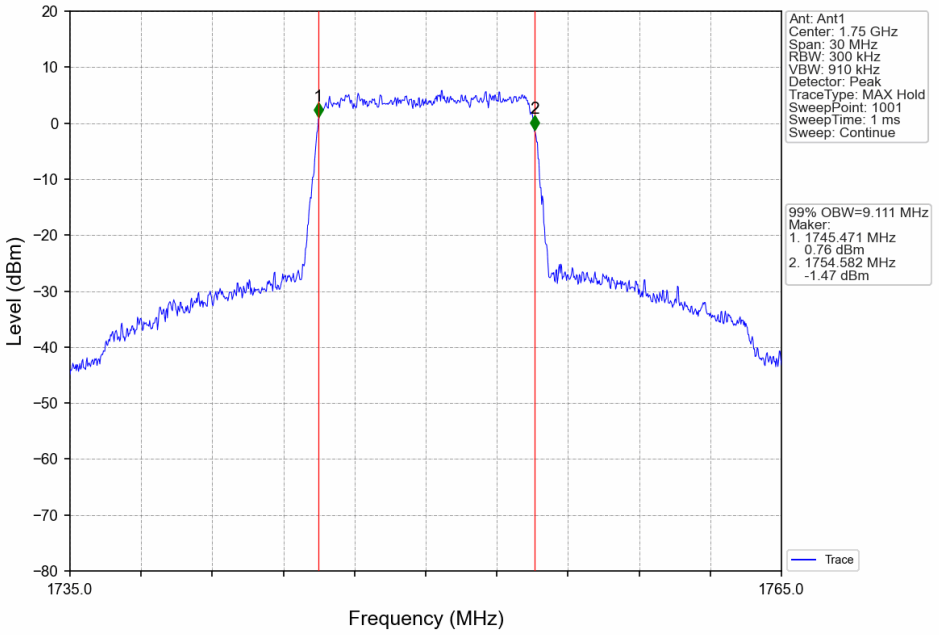
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



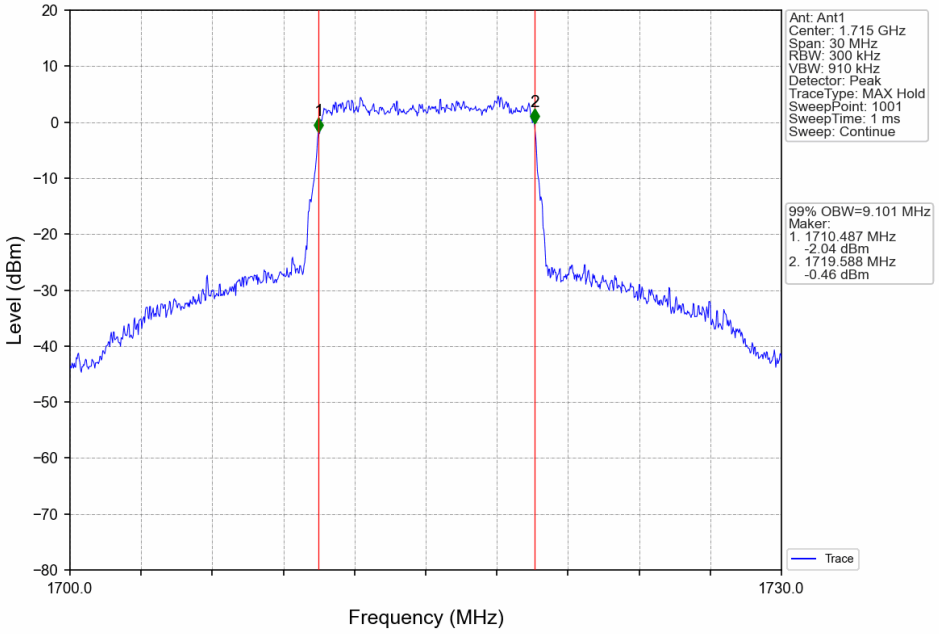
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



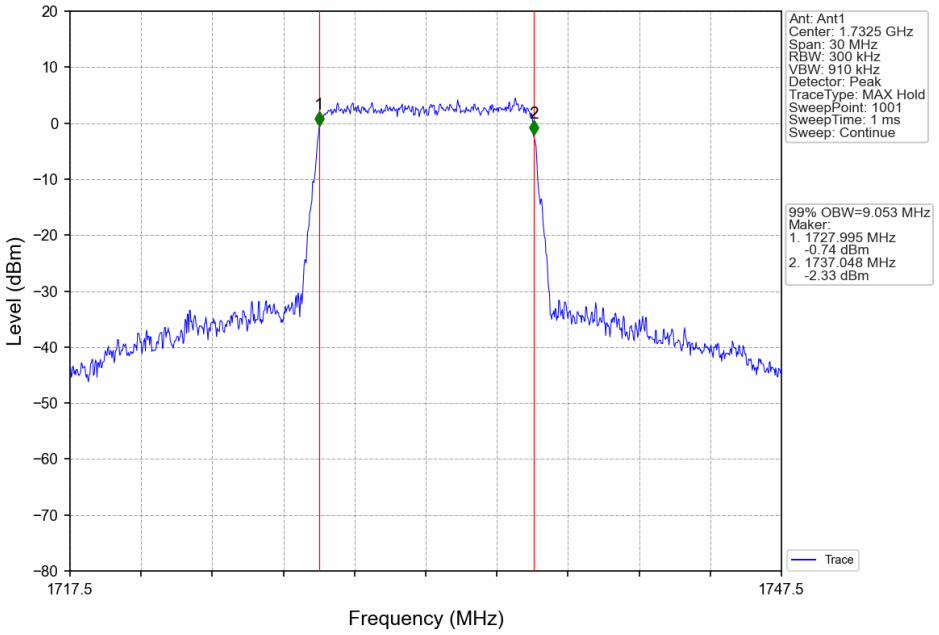
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



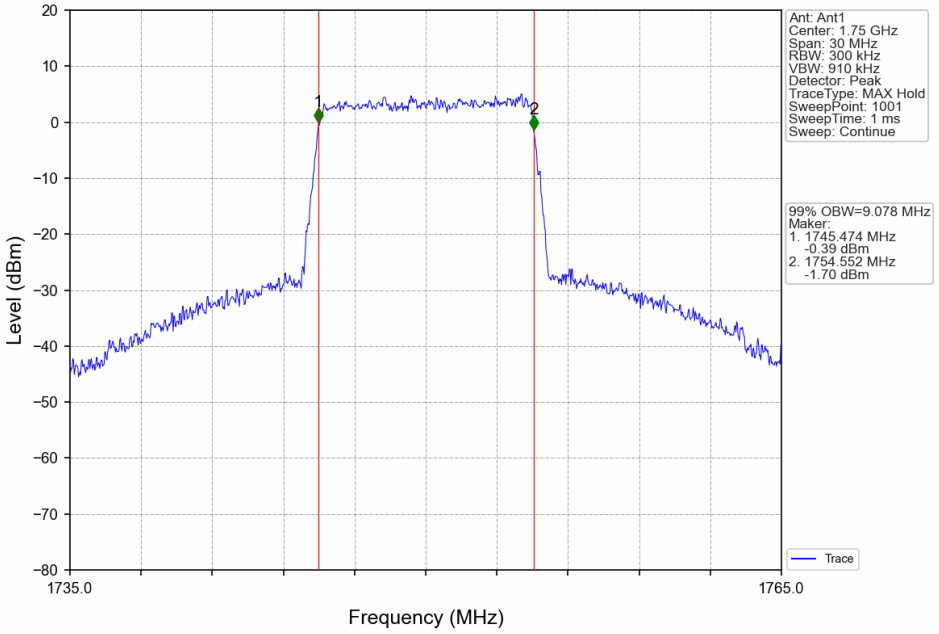
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



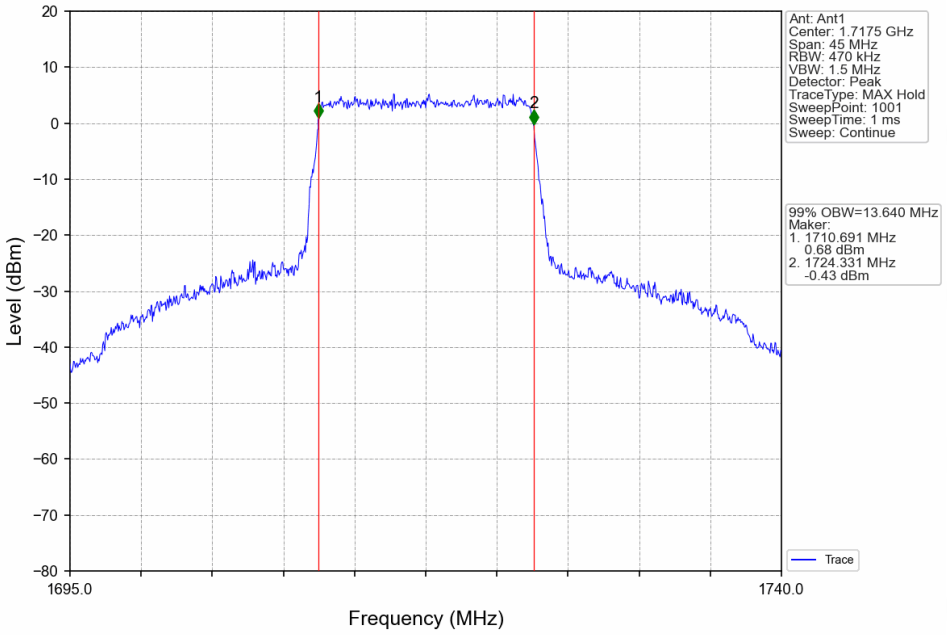
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



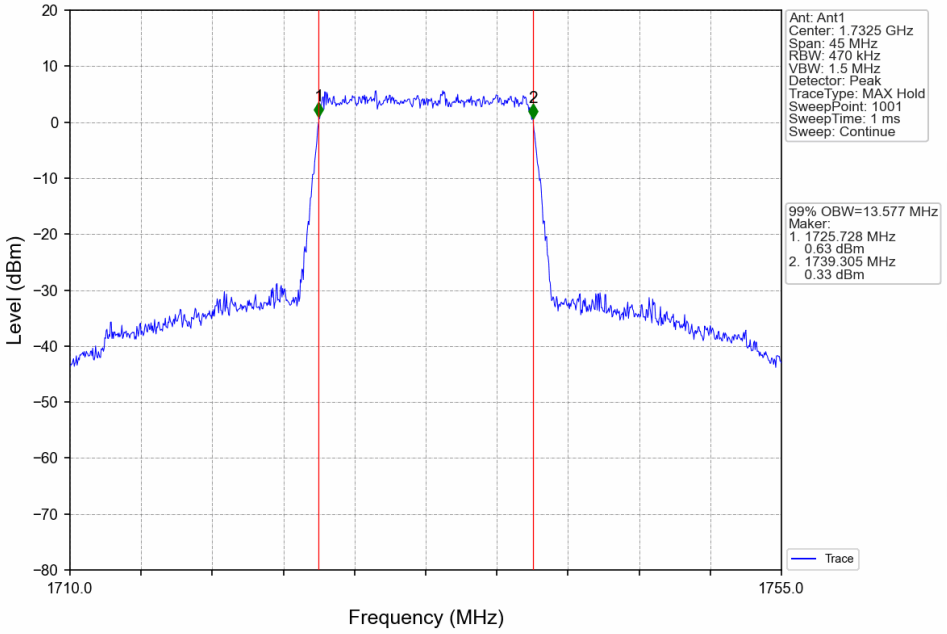
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



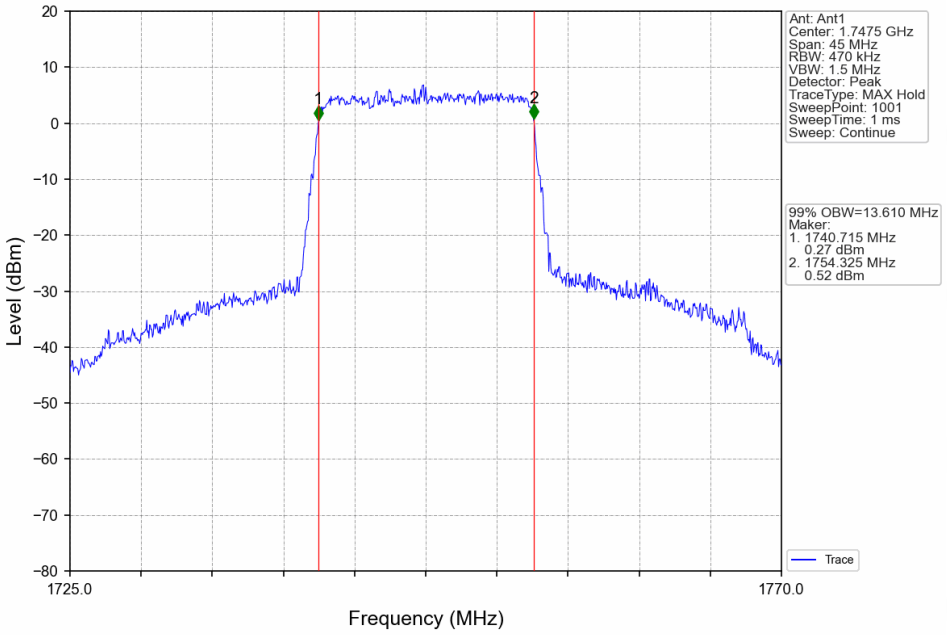
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



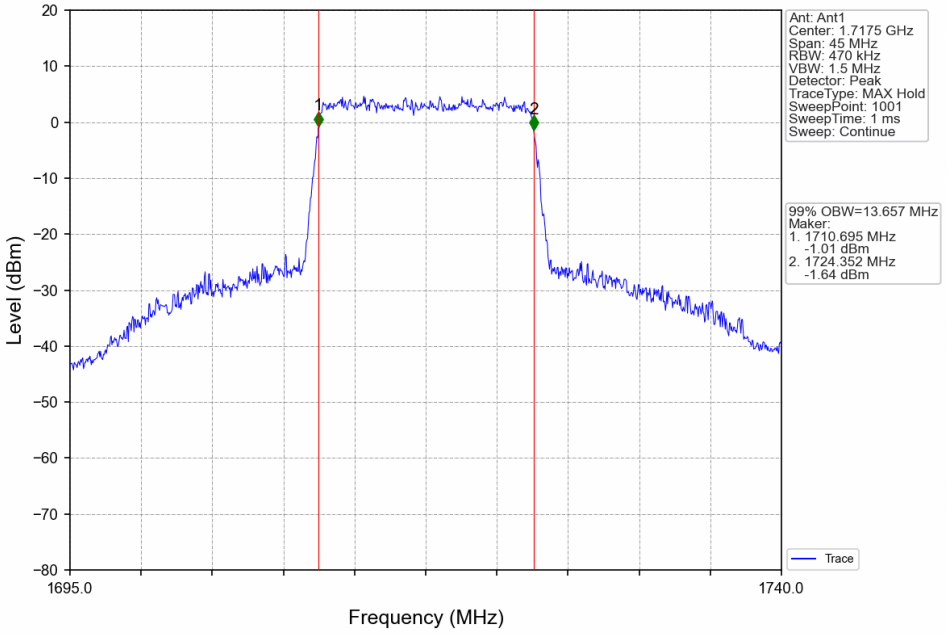
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



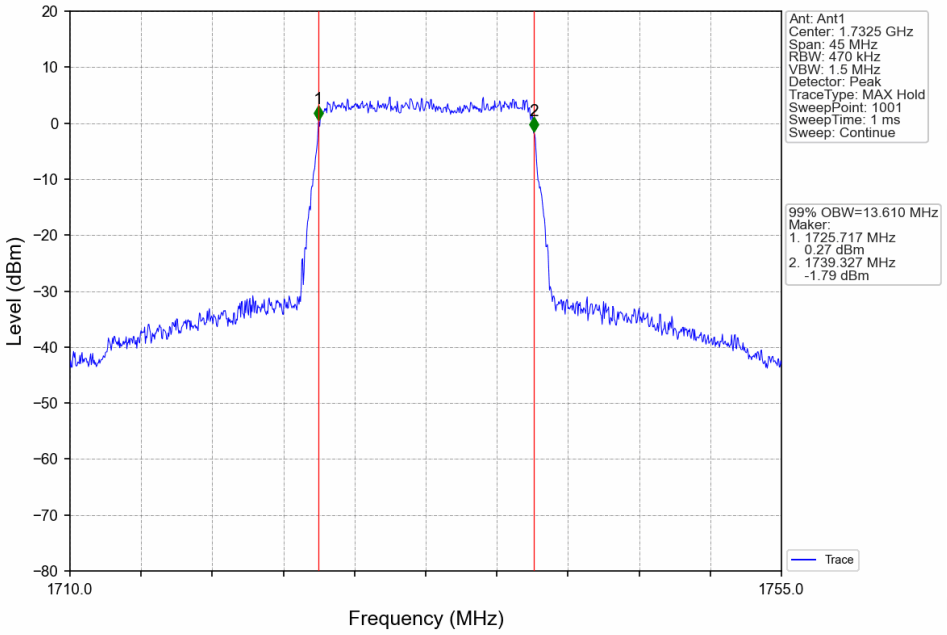
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



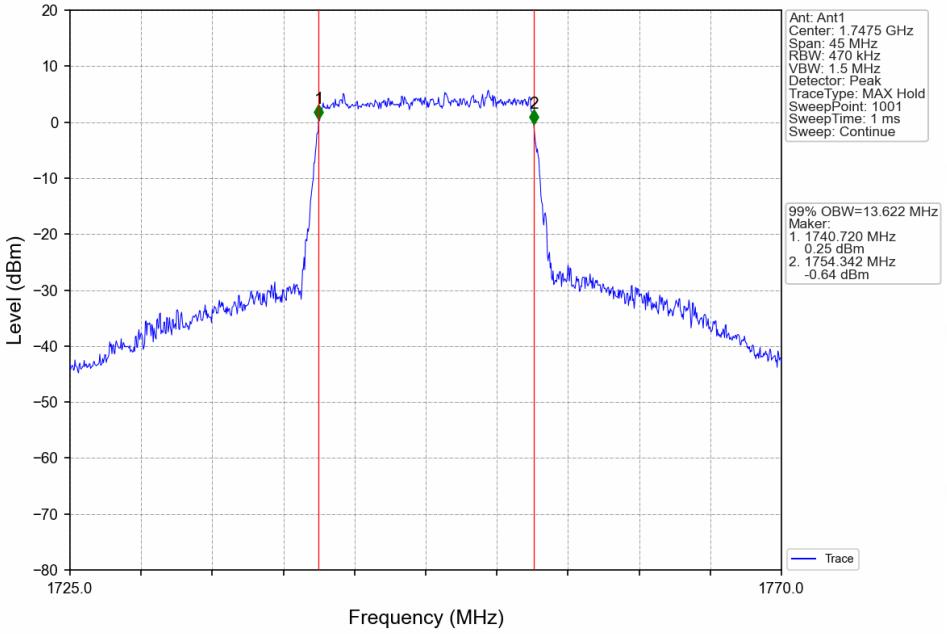
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



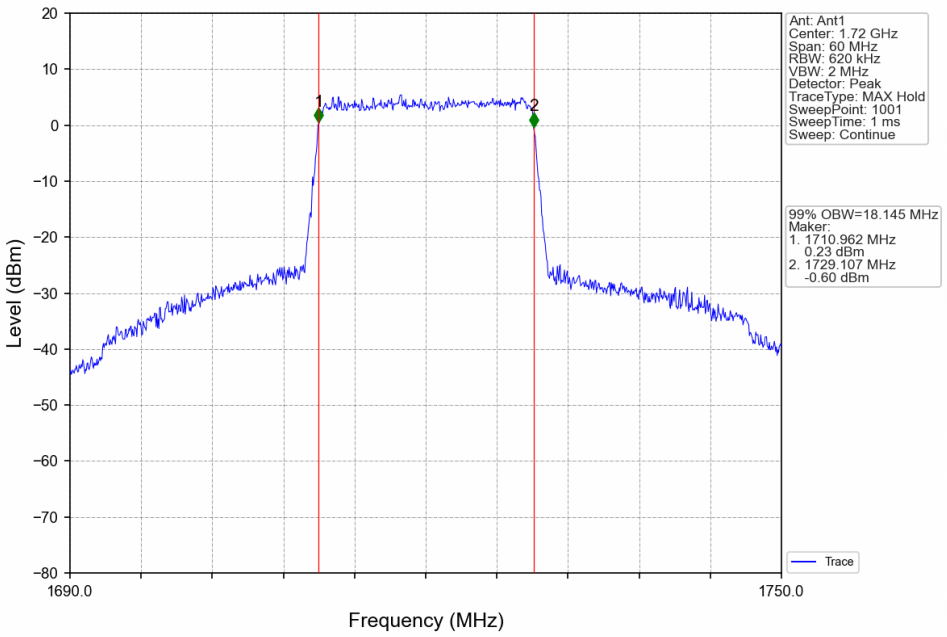
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



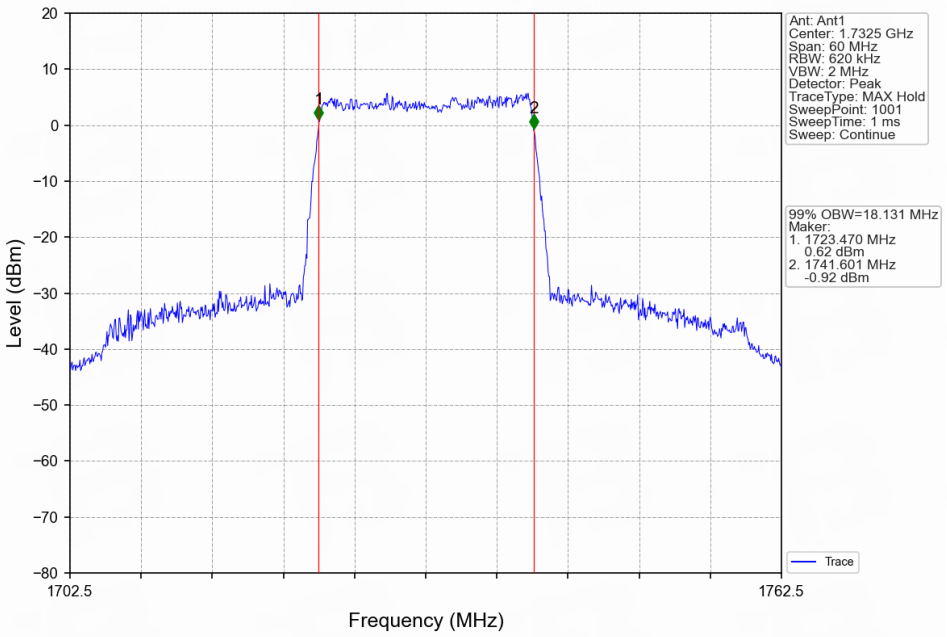
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



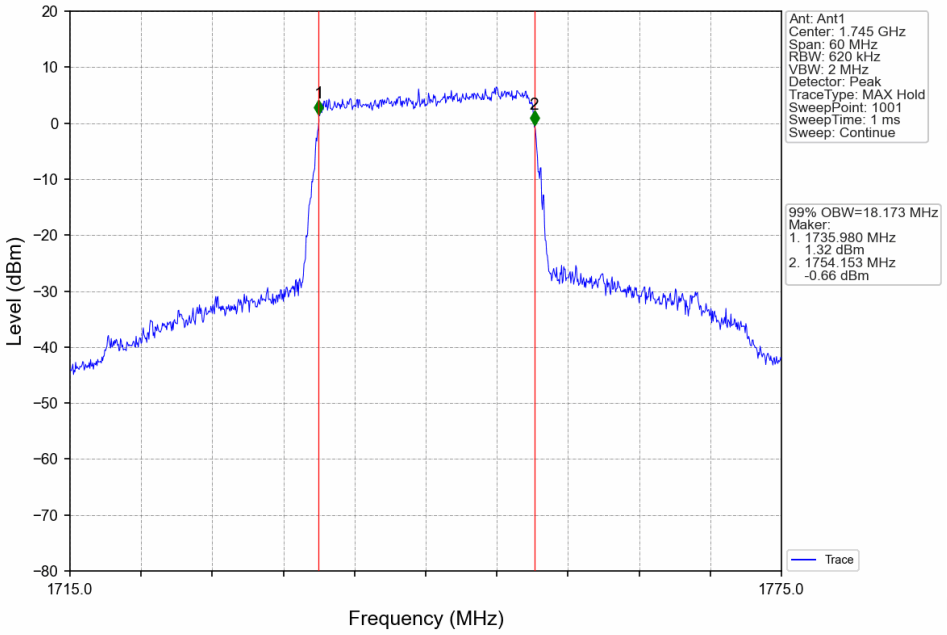
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



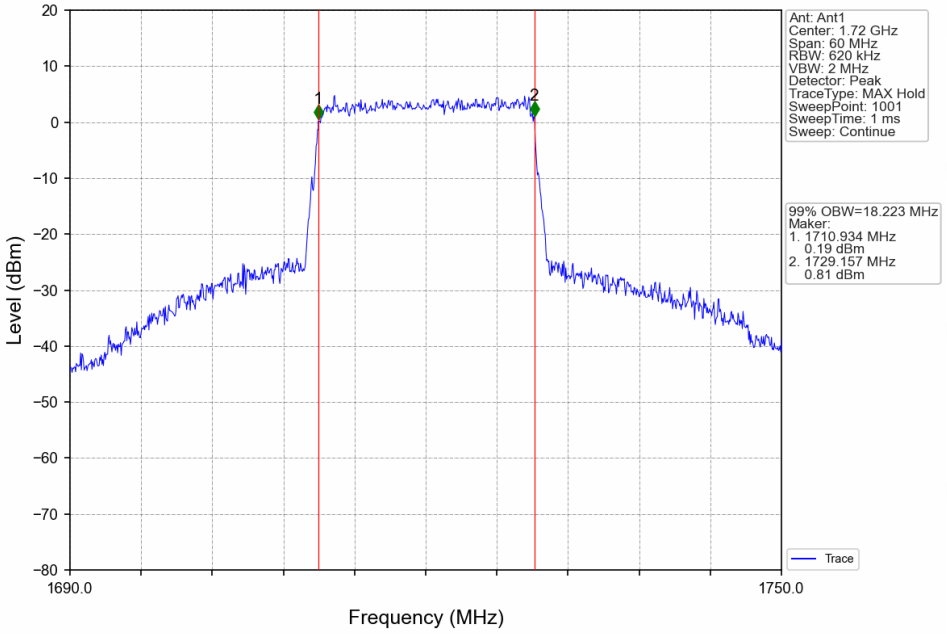
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



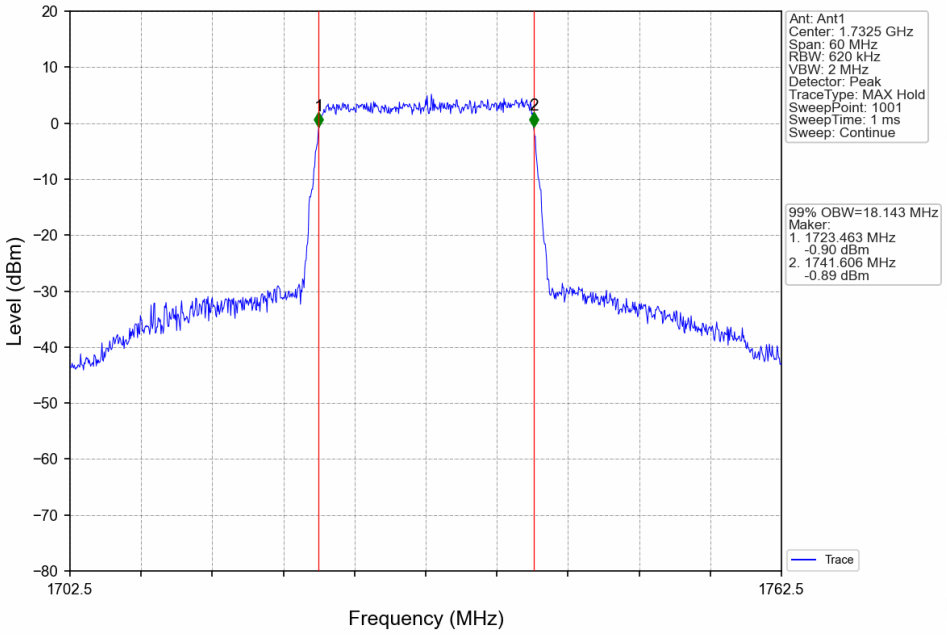
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



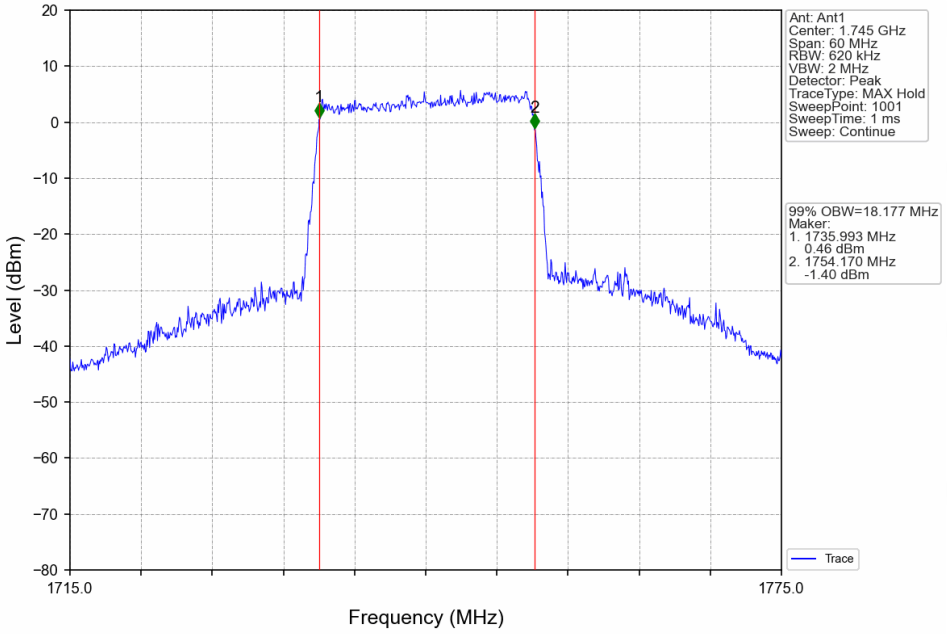
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



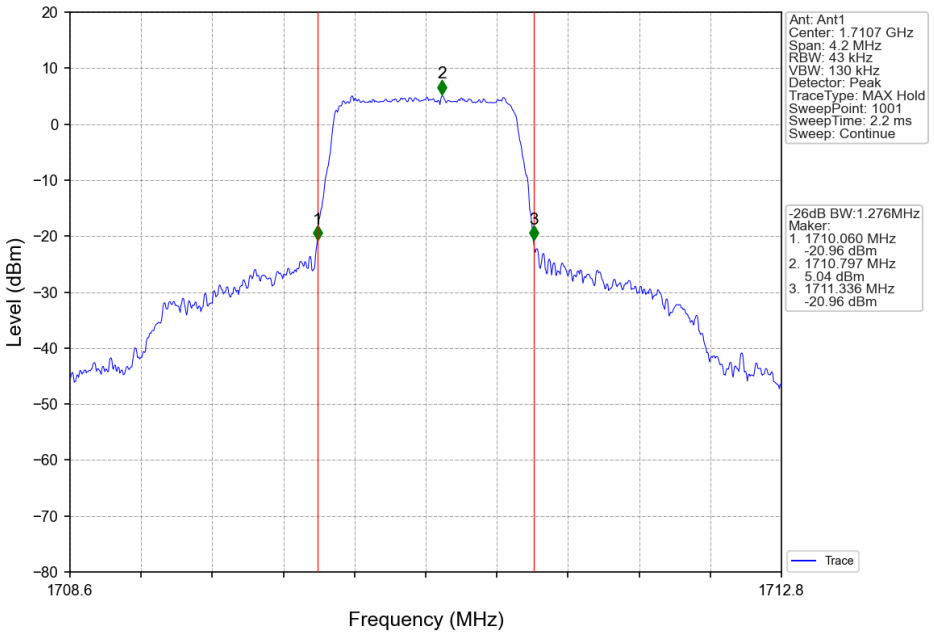
4.2 Band4_XDB

4.2.1 Test Result

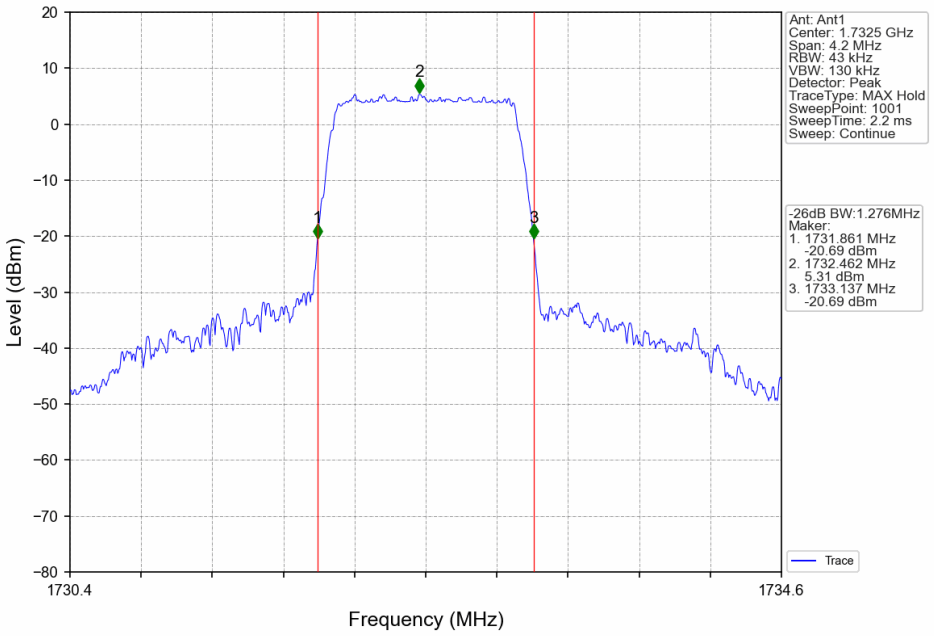
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.276	Pass
		1732.5	6	0	1.276	Pass
		1754.3	6	0	1.282	Pass
	16QAM	1710.7	6	0	1.274	Pass
		1732.5	6	0	1.278	Pass
		1754.3	6	0	1.281	Pass
3	QPSK	1711.5	15	0	3.114	Pass
		1732.5	15	0	3.093	Pass
		1753.5	15	0	3.114	Pass
	16QAM	1711.5	15	0	3.110	Pass
		1732.5	15	0	3.098	Pass
		1753.5	15	0	3.128	Pass
5	QPSK	1712.5	25	0	5.057	Pass
		1732.5	25	0	5.051	Pass
		1752.5	25	0	5.035	Pass
	16QAM	1712.5	25	0	5.086	Pass
		1732.5	25	0	5.050	Pass
		1752.5	25	0	5.062	Pass
10	QPSK	1715	50	0	10.060	Pass
		1732.5	50	0	10.077	Pass
		1750	50	0	10.033	Pass
	16QAM	1715	50	0	10.019	Pass
		1732.5	50	0	10.054	Pass
		1750	50	0	10.116	Pass
15	QPSK	1717.5	75	0	15.225	Pass
		1732.5	75	0	15.071	Pass
		1747.5	75	0	15.113	Pass
	16QAM	1717.5	75	0	15.213	Pass
		1732.5	75	0	15.145	Pass
		1747.5	75	0	15.168	Pass
20	QPSK	1720	100	0	20.025	Pass
		1732.5	100	0	20.113	Pass
		1745	100	0	20.013	Pass
	16QAM	1720	100	0	20.123	Pass
		1732.5	100	0	19.899	Pass
		1745	100	0	20.005	Pass

4.2.2 Test Graph

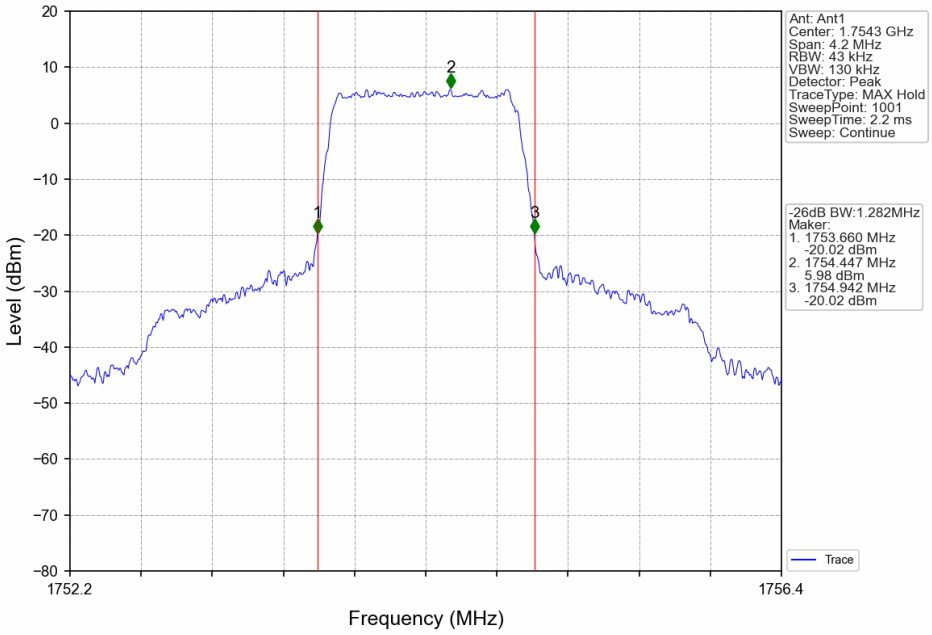
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



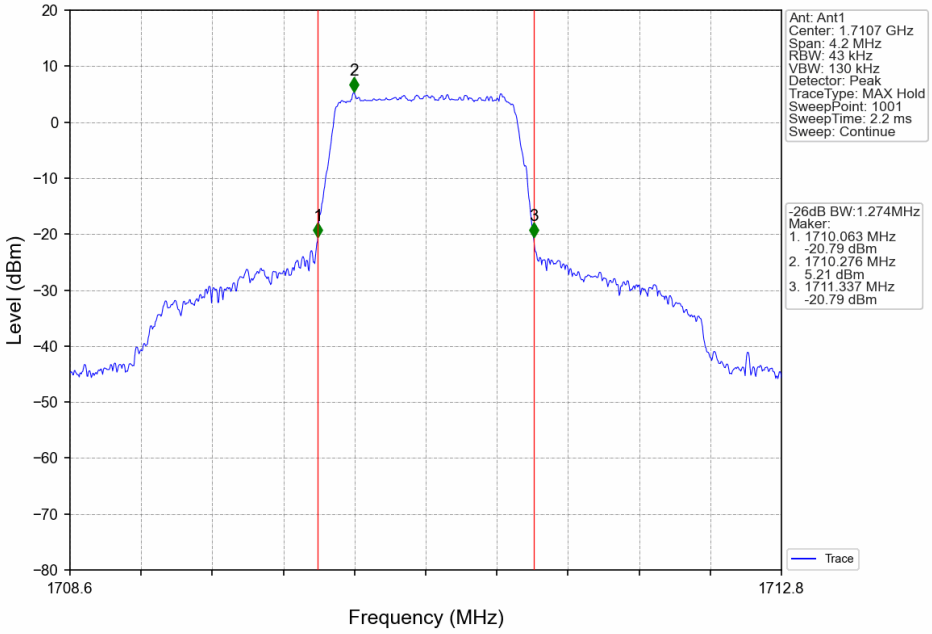
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



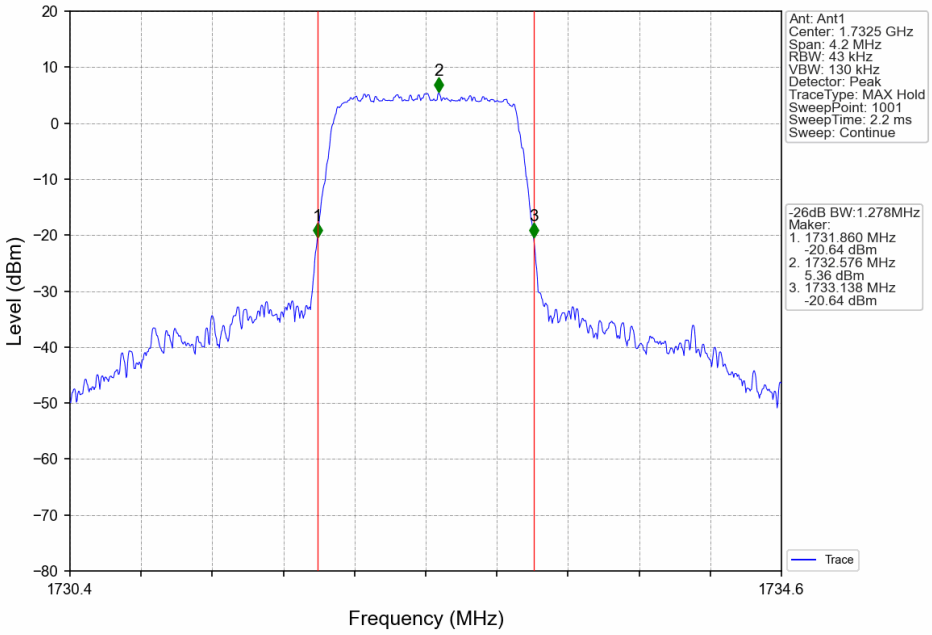
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



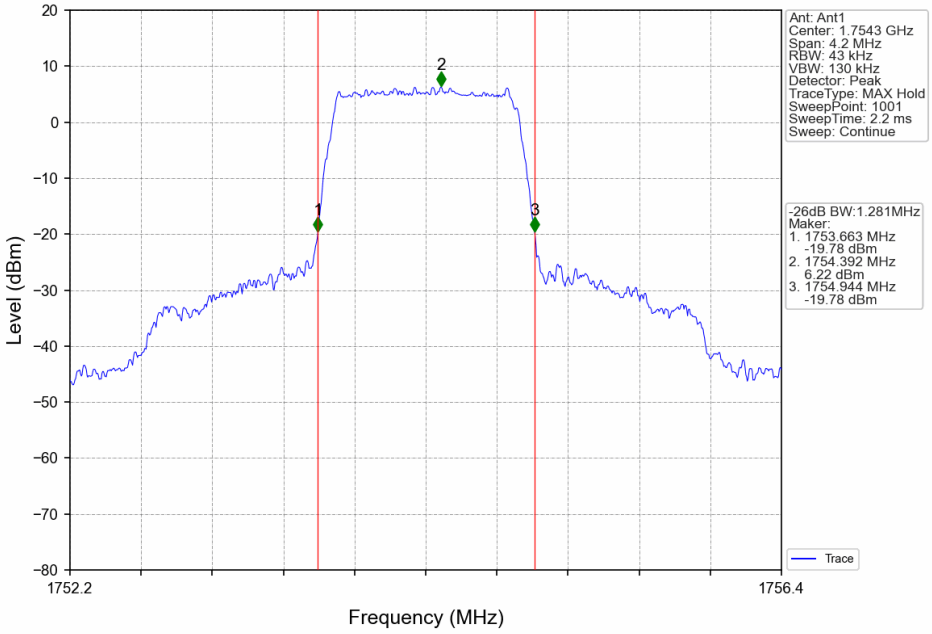
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



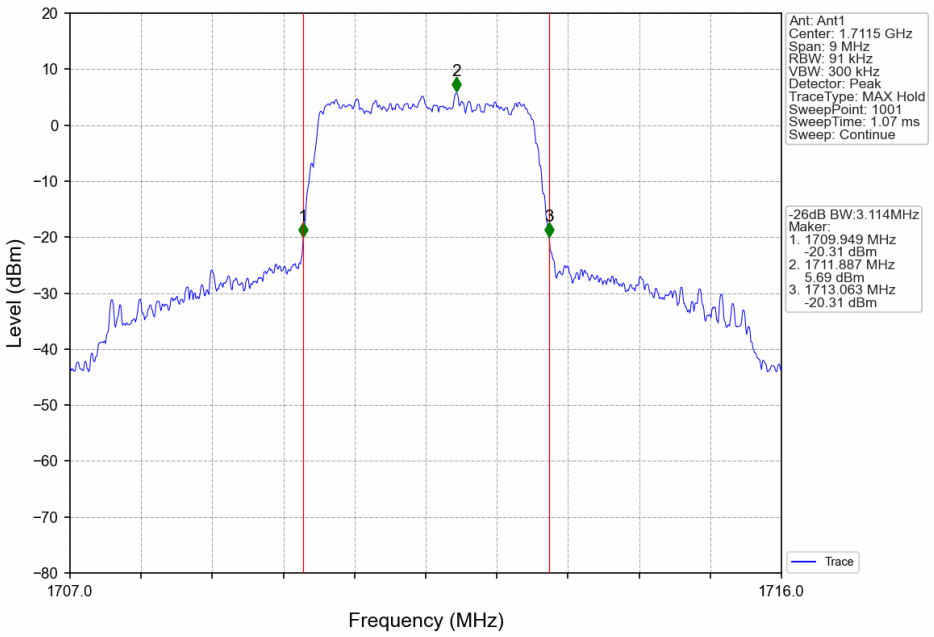
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



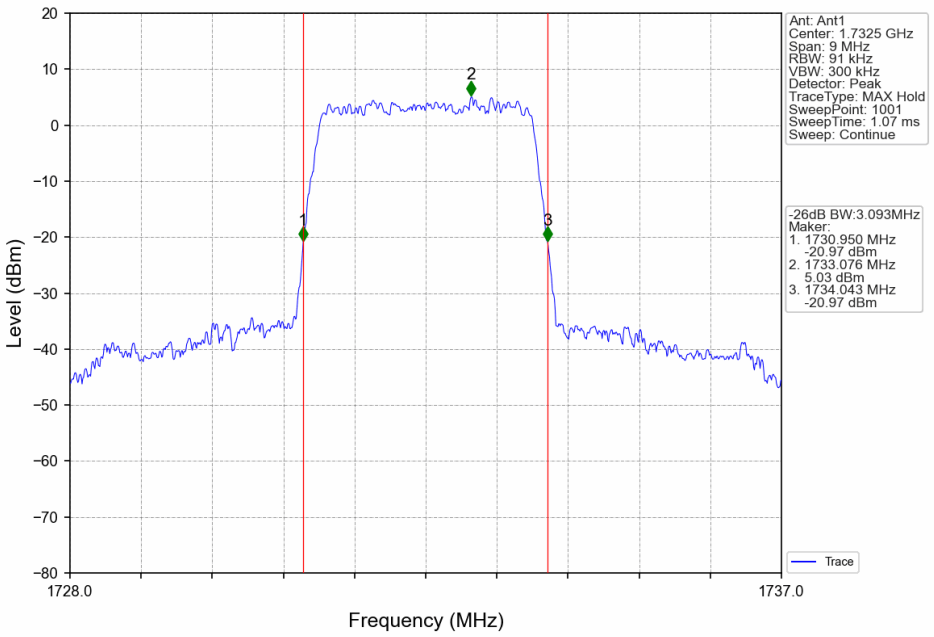
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



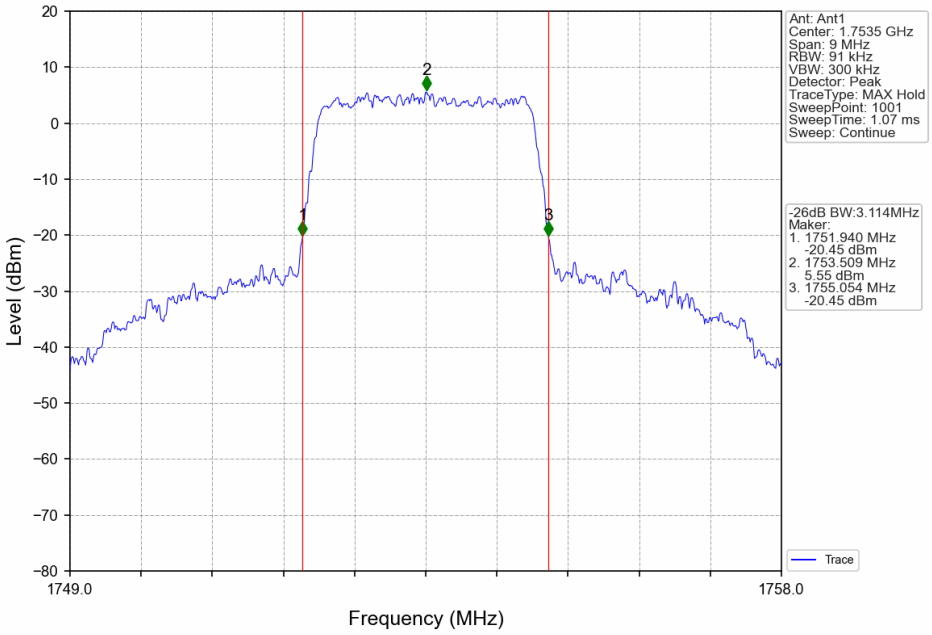
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



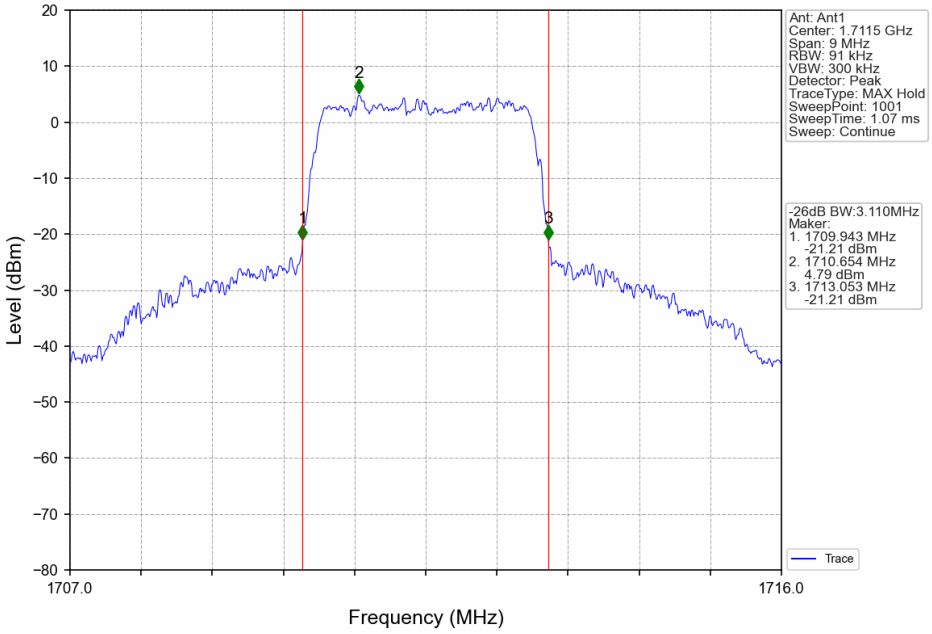
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



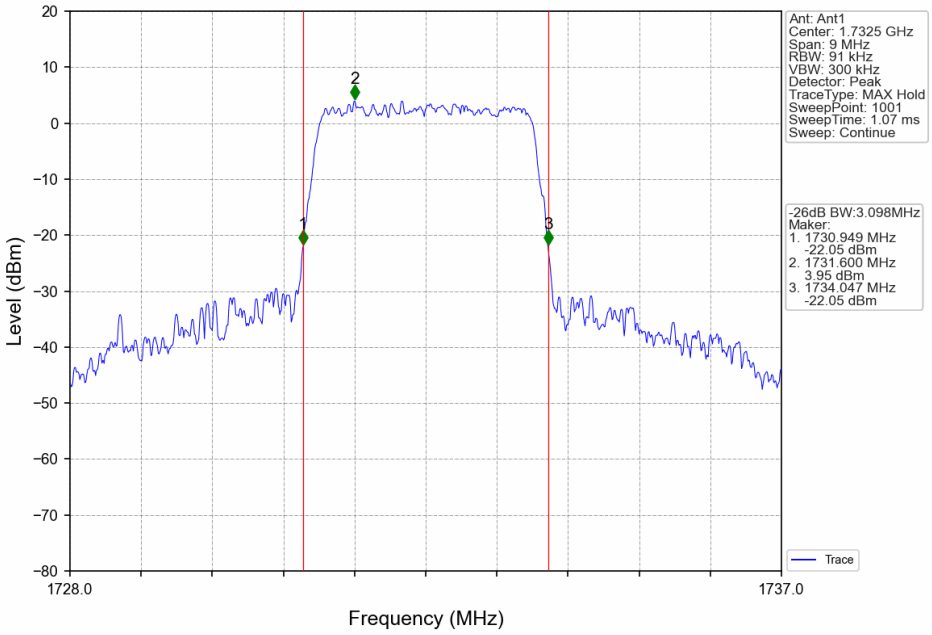
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



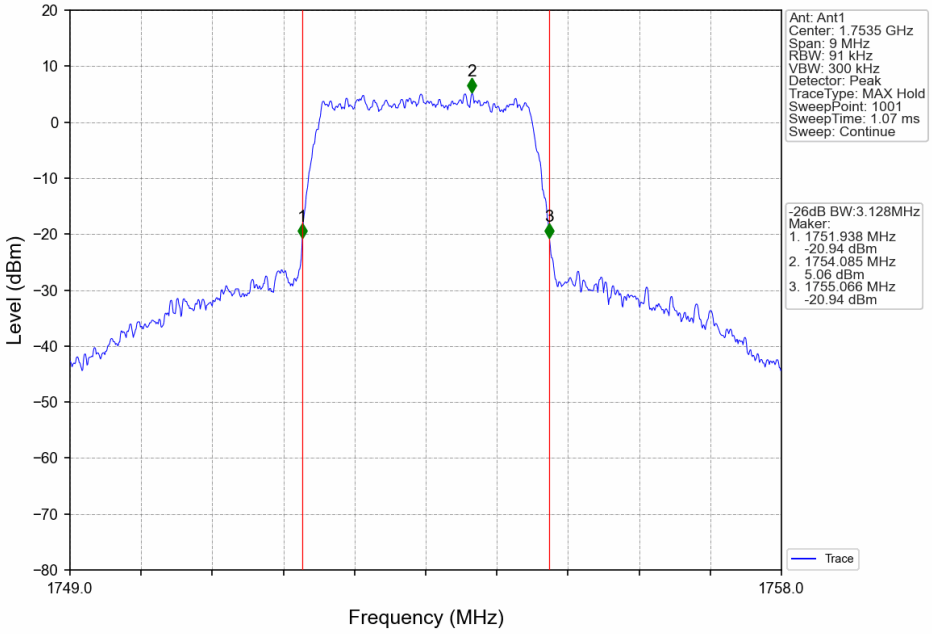
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



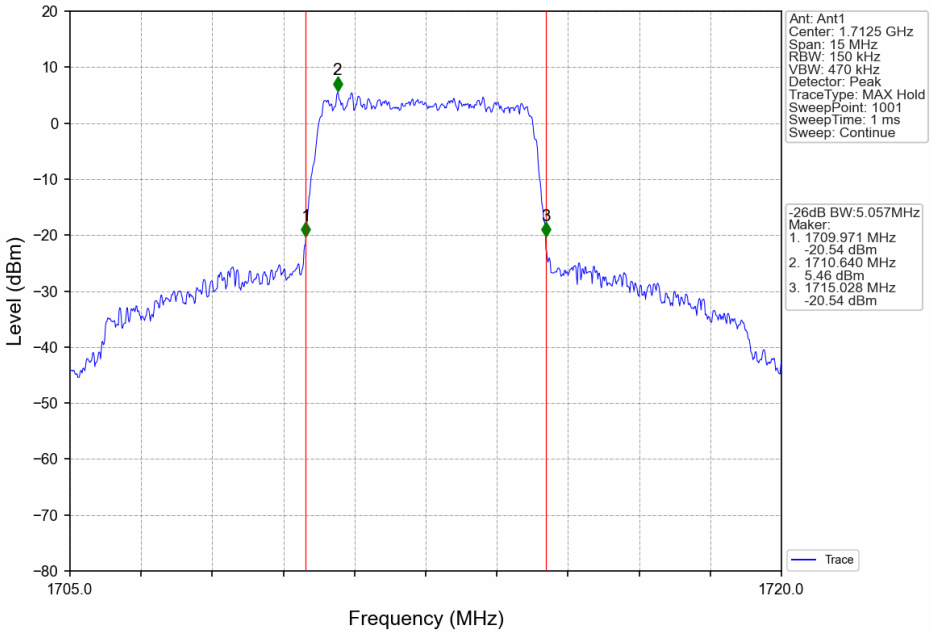
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



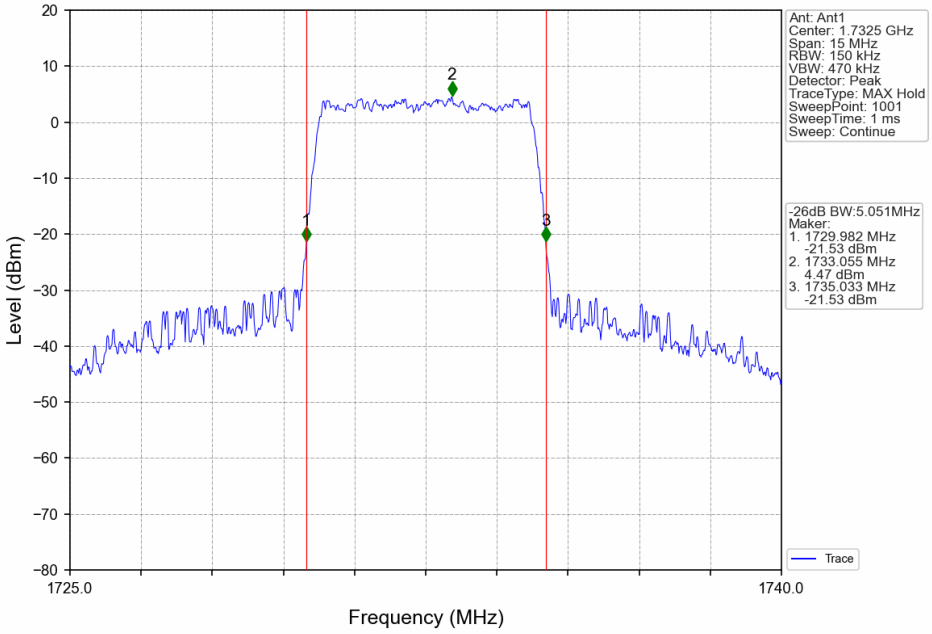
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



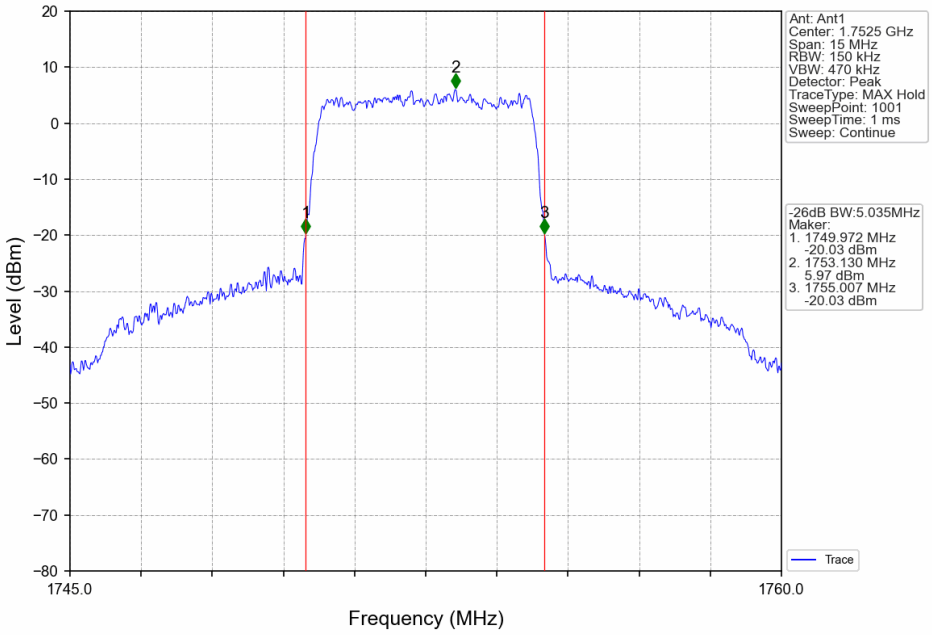
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



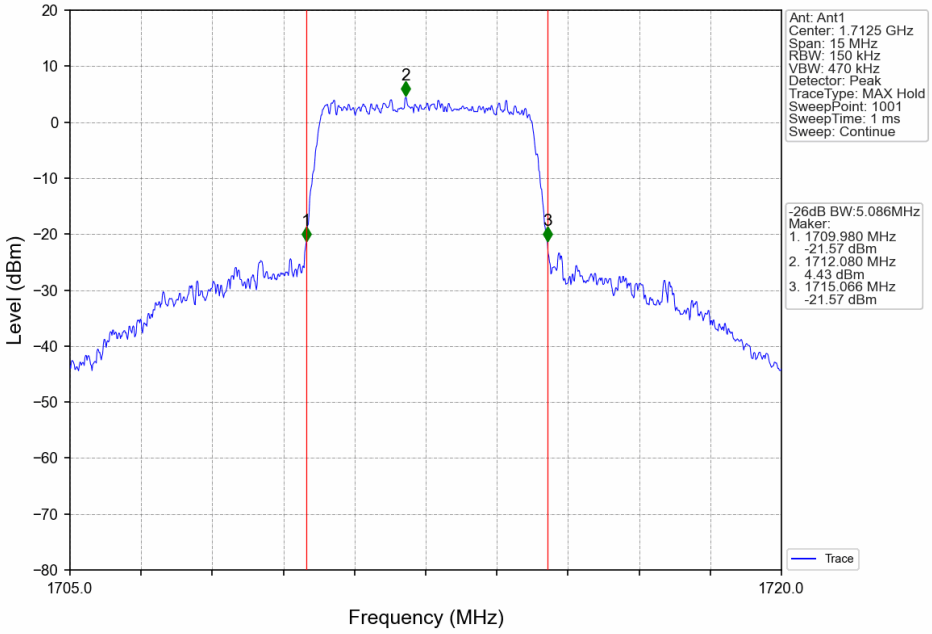
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



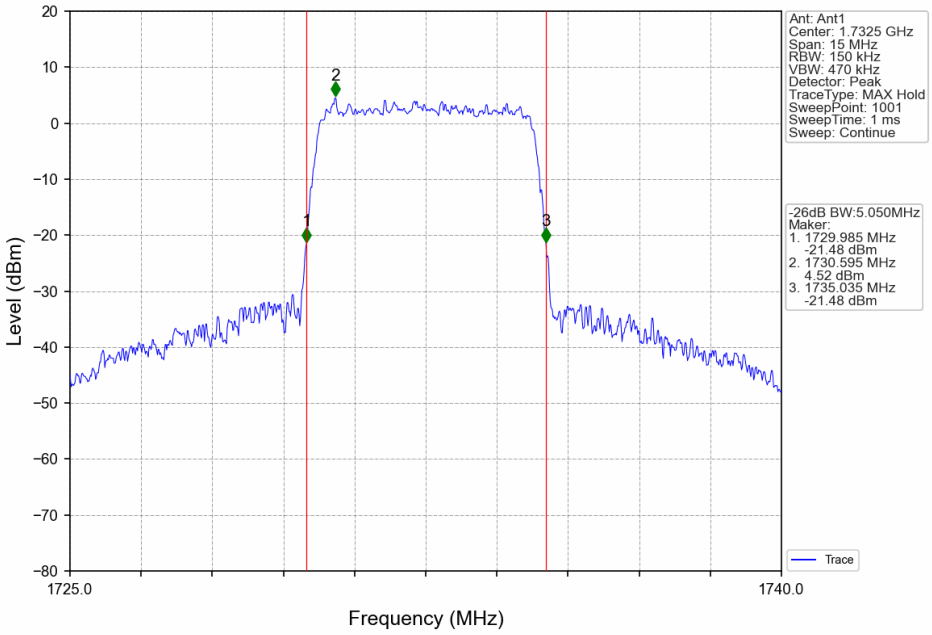
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



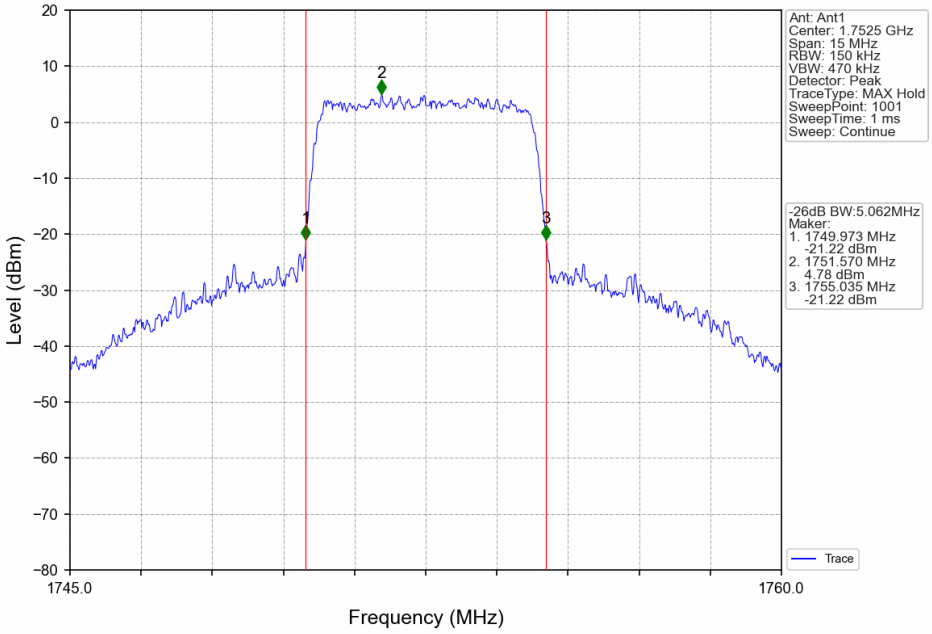
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



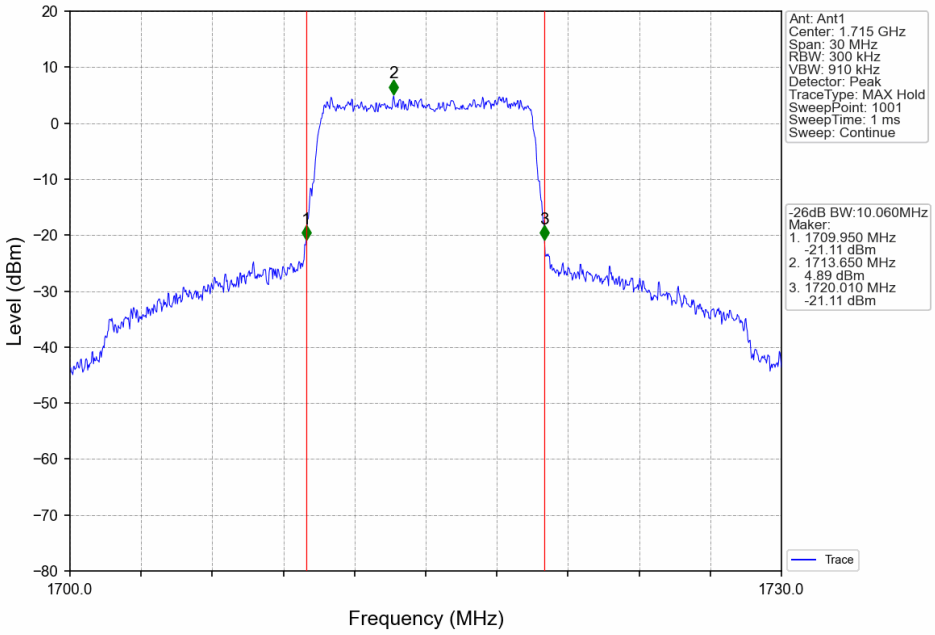
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



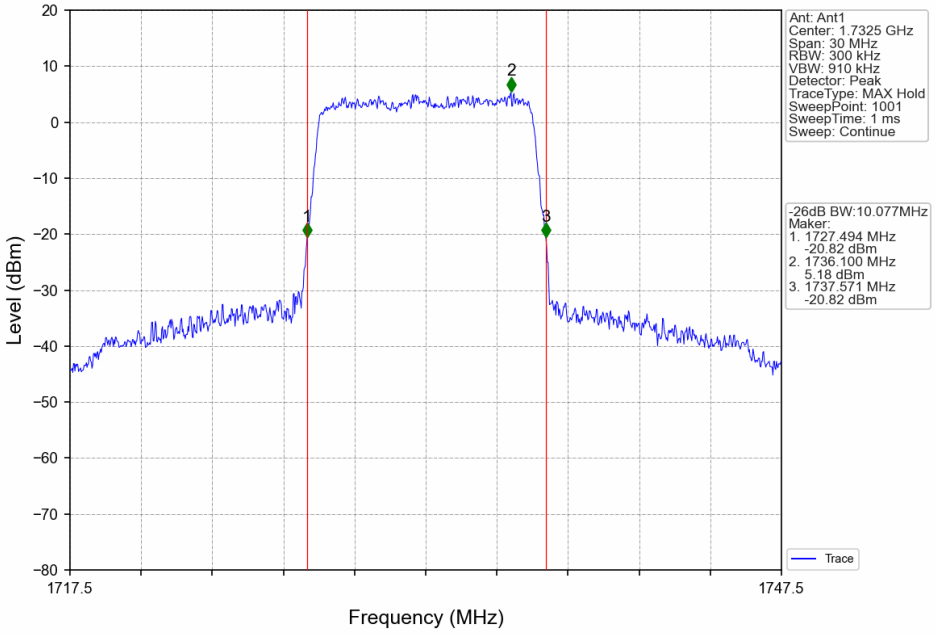
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



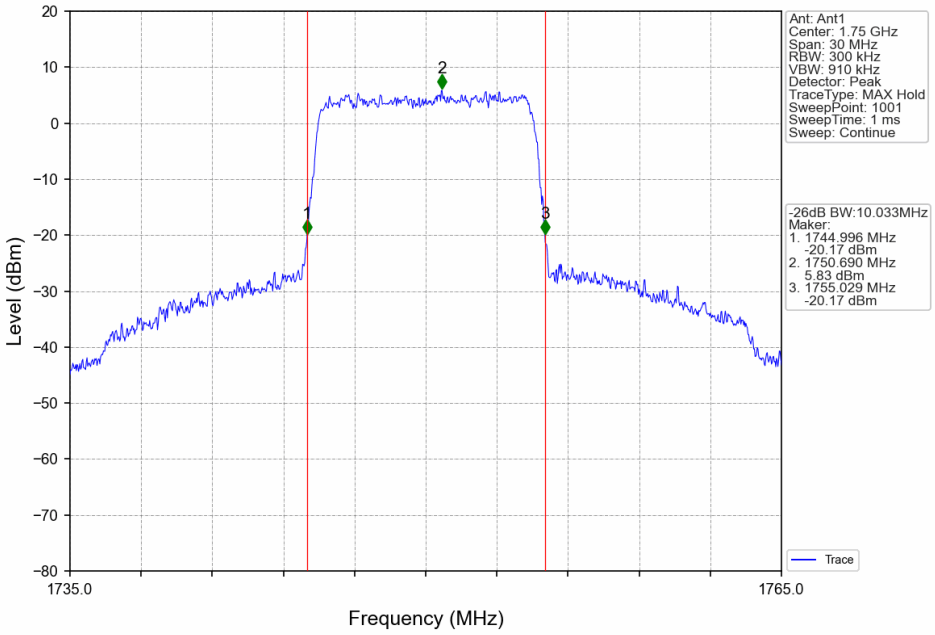
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



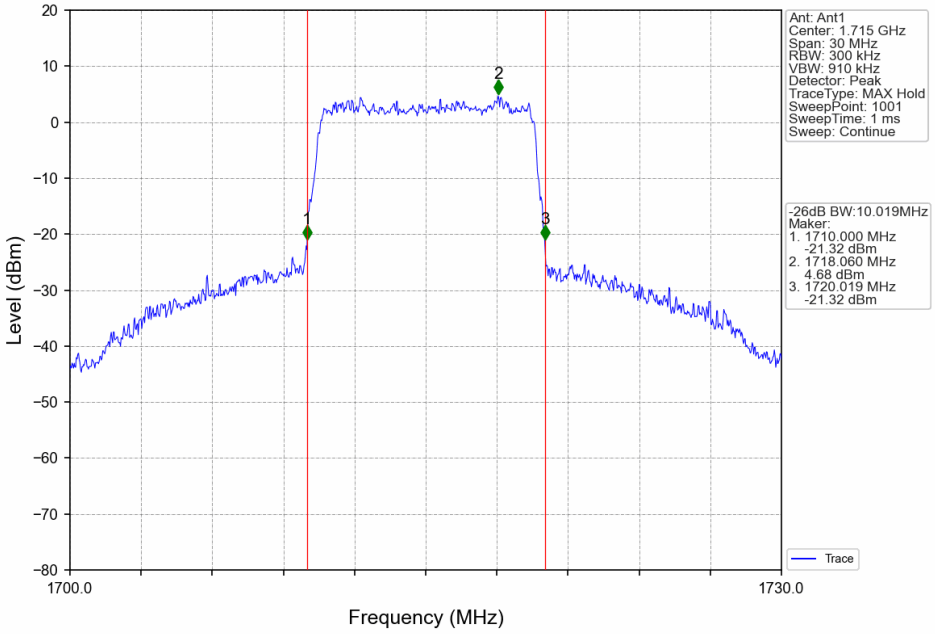
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



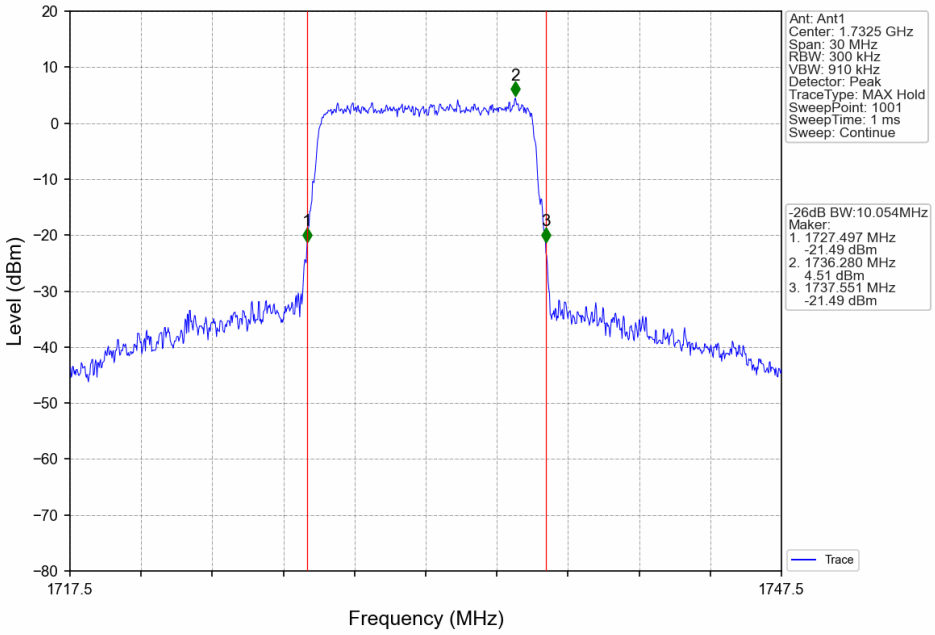
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



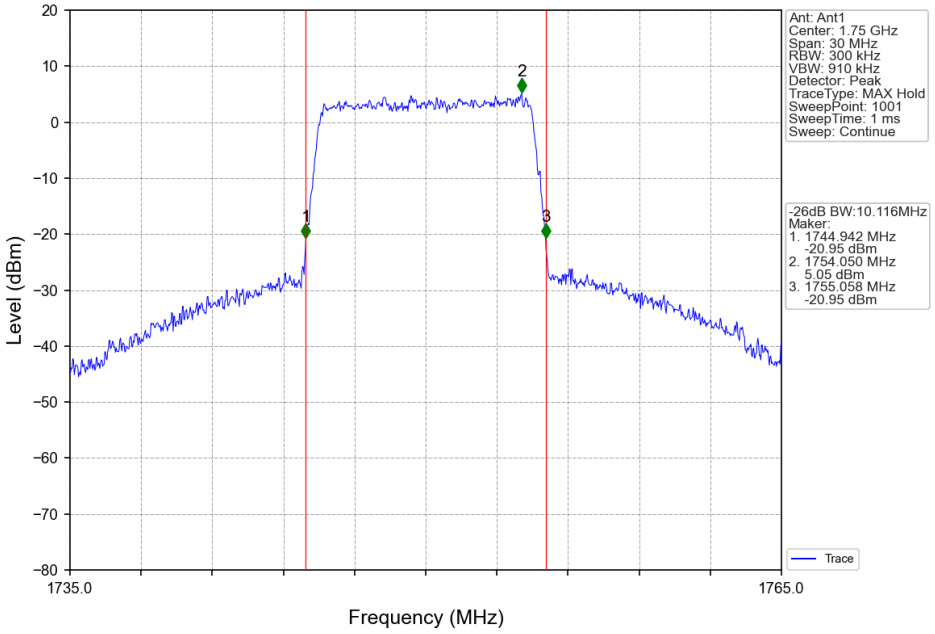
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



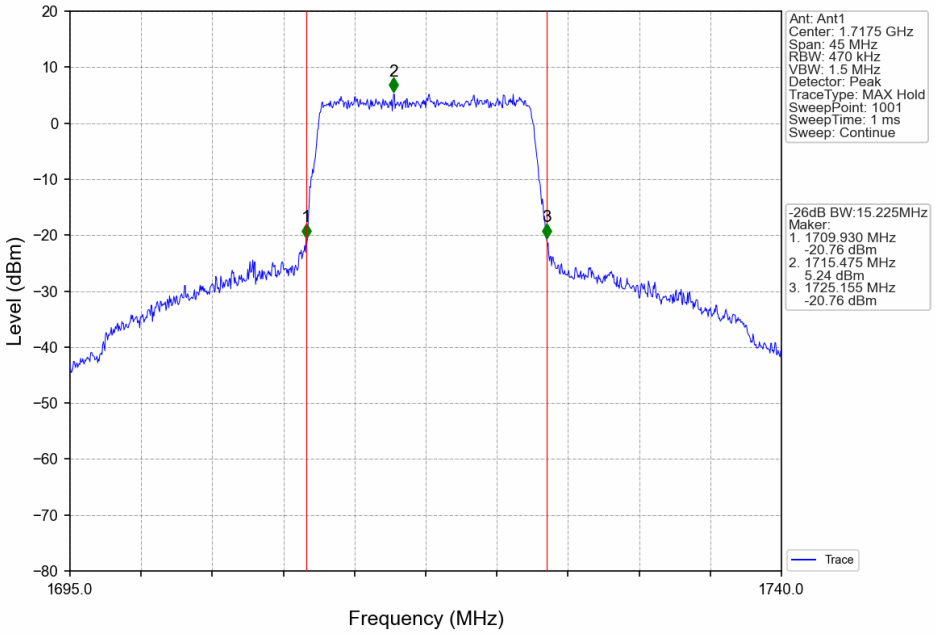
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



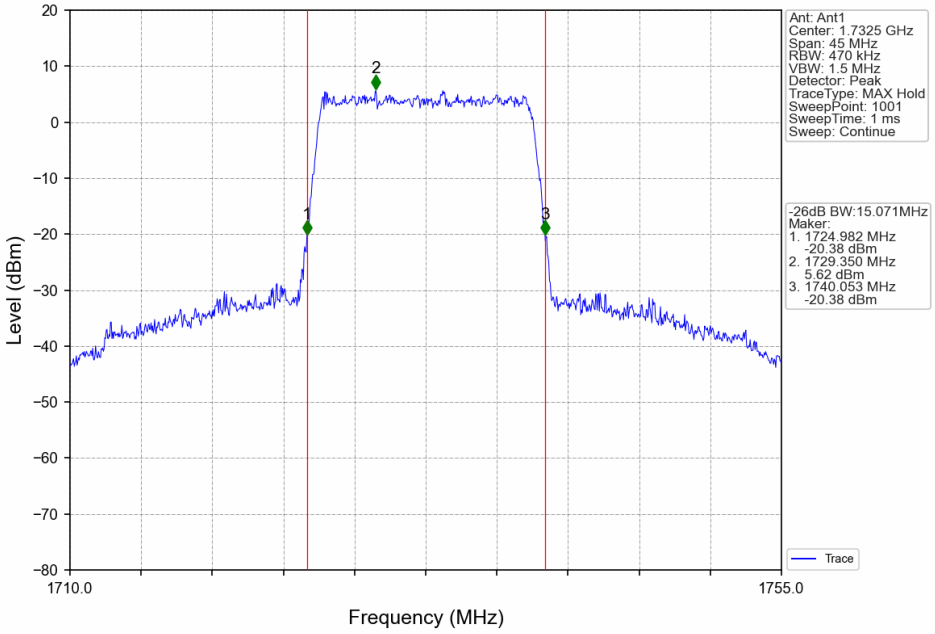
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



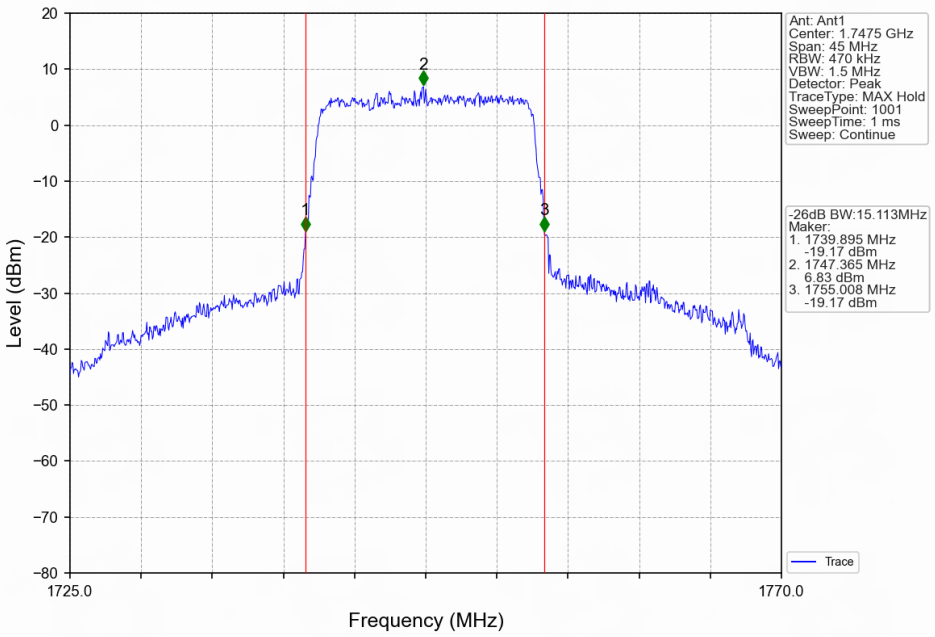
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



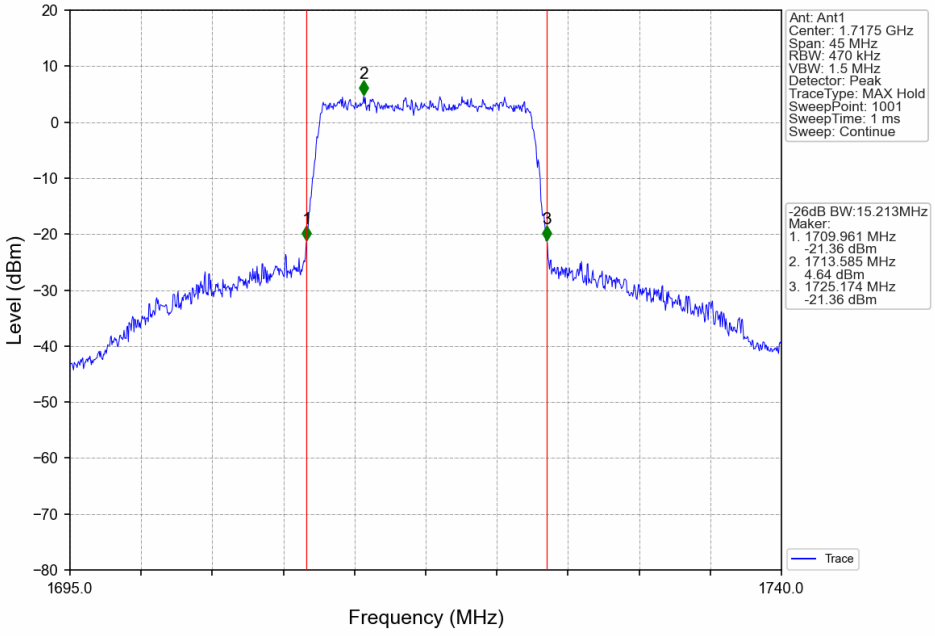
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



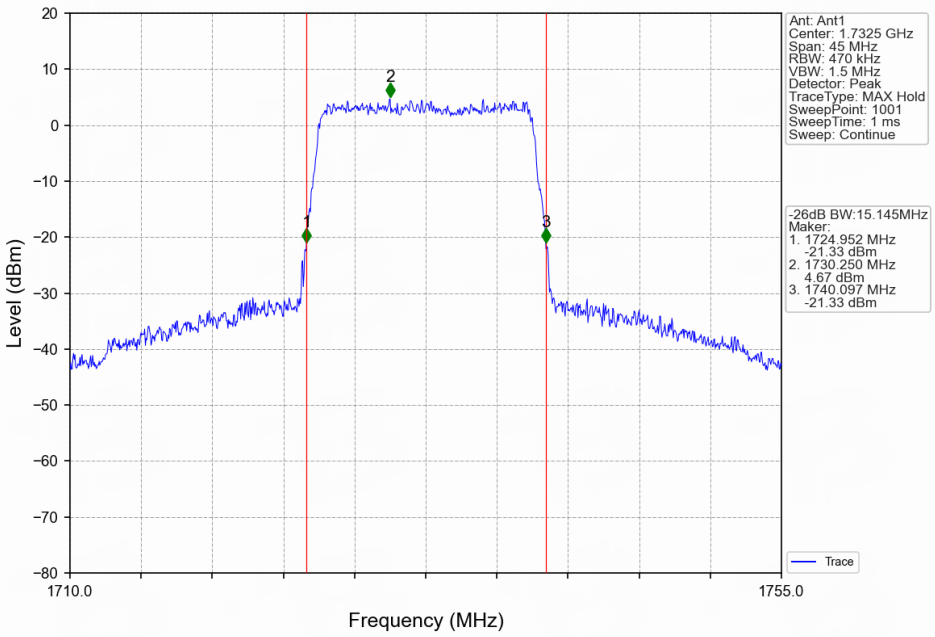
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



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