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	21.75	0.92	22.67	<=30	Pass
			2	21.86	0.92	22.78	<=30	Pass
			5	21.75	0.92	22.67	<=30	Pass
		3	0	21.84	0.92	22.76	<=30	Pass
			2	21.90	0.92	22.82	<=30	Pass
			3	21.84	0.92	22.76	<=30	Pass
		6	0	20.83	0.92	21.75	<=30	Pass
	1732.5	1	0	22.02	0.92	22.94	<=30	Pass
			2	22.14	0.92	23.06	<=30	Pass
			5	22.02	0.92	22.94	<=30	Pass
		3	0	21.97	0.92	22.89	<=30	Pass
			2	22.08	0.92	23.00	<=30	Pass
			3	22.01	0.92	22.93	<=30	Pass
		6	0	21.05	0.92	21.97	<=30	Pass
	1754.3	1	0	22.17	0.92	23.09	<=30	Pass
			2	22.31	0.92	23.23	<=30	Pass
			5	22.22	0.92	23.14	<=30	Pass
		3	0	22.14	0.92	23.06	<=30	Pass
			2	22.19	0.92	23.11	<=30	Pass
			3	22.13	0.92	23.05	<=30	Pass
		6	0	21.29	0.92	22.21	<=30	Pass
16QAM	1710.7	1	0	20.69	0.92	21.61	<=30	Pass
			2	20.79	0.92	21.71	<=30	Pass
			5	20.69	0.92	21.61	<=30	Pass
		3	0	20.98	0.92	21.90	<=30	Pass
			2	21.04	0.92	21.96	<=30	Pass
			3	20.99	0.92	21.91	<=30	Pass
		6	0	19.79	0.92	20.71	<=30	Pass
	1732.5	1	0	20.94	0.92	21.86	<=30	Pass
			2	21.06	0.92	21.98	<=30	Pass
			5	20.98	0.92	21.90	<=30	Pass
		3	0	21.07	0.92	21.99	<=30	Pass
			2	21.08	0.92	22.00	<=30	Pass
			3	21.07	0.92	21.99	<=30	Pass
		6	0	19.97	0.92	20.89	<=30	Pass
	1754.3	1	0	21.20	0.92	22.12	<=30	Pass
			2	21.30	0.92	22.22	<=30	Pass
			5	21.20	0.92	22.12	<=30	Pass
		3	0	21.02	0.92	21.94	<=30	Pass
			2	21.08	0.92	22.00	<=30	Pass
			3	21.03	0.92	21.95	<=30	Pass
		6	0	20.14	0.92	21.06	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	21.91	0.92	22.83	<=30	Pass
			7	22.02	0.92	22.94	<=30	Pass
			14	21.88	0.92	22.80	<=30	Pass
		8	0	20.84	0.92	21.76	<=30	Pass
			4	20.88	0.92	21.80	<=30	Pass
			7	20.85	0.92	21.77	<=30	Pass
		15	0	20.79	0.92	21.71	<=30	Pass
	1732.5	1	0	22.00	0.92	22.92	<=30	Pass
			7	21.85	0.92	22.77	<=30	Pass
			14	21.50	0.92	22.42	<=30	Pass
		8	0	20.49	0.92	21.41	<=30	Pass
			4	20.54	0.92	21.46	<=30	Pass
			7	20.50	0.92	21.42	<=30	Pass
		15	0	20.49	0.92	21.41	<=30	Pass
	1753.5	1	0	21.87	0.92	22.79	<=30	Pass
			7	21.79	0.92	22.71	<=30	Pass
			14	21.69	0.92	22.61	<=30	Pass
		8	0	20.66	0.92	21.58	<=30	Pass
			4	20.70	0.92	21.62	<=30	Pass
			7	20.65	0.92	21.57	<=30	Pass
		15	0	20.61	0.92	21.53	<=30	Pass
16QAM	1711.5	1	0	20.85	0.92	21.77	<=30	Pass
			7	20.96	0.92	21.88	<=30	Pass
			14	20.79	0.92	21.71	<=30	Pass
		8	0	19.76	0.92	20.68	<=30	Pass
			4	19.84	0.92	20.76	<=30	Pass
			7	19.82	0.92	20.74	<=30	Pass
		15	0	19.73	0.92	20.65	<=30	Pass
	1732.5	1	0	20.61	0.92	21.53	<=30	Pass
			7	20.77	0.92	21.69	<=30	Pass
			14	20.64	0.92	21.56	<=30	Pass
		8	0	19.50	0.92	20.42	<=30	Pass
			4	19.54	0.92	20.46	<=30	Pass
			7	19.51	0.92	20.43	<=30	Pass
		15	0	19.48	0.92	20.40	<=30	Pass
	1753.5	1	0	21.02	0.92	21.94	<=30	Pass
			7	21.14	0.92	22.06	<=30	Pass
			14	21.00	0.92	21.92	<=30	Pass
		8	0	19.81	0.92	20.73	<=30	Pass
			4	19.79	0.92	20.71	<=30	Pass
			7	20.00	0.92	20.92	<=30	Pass
		15	0	19.70	0.92	20.62	<=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	21.74	0.92	22.66	<=30	Pass
			13	21.88	0.92	22.80	<=30	Pass
			24	21.78	0.92	22.70	<=30	Pass
		12	0	20.76	0.92	21.68	<=30	Pass
			6	20.84	0.92	21.76	<=30	Pass
			13	20.84	0.92	21.76	<=30	Pass
		25	0	20.83	0.92	21.75	<=30	Pass
	1732.5	1	0	21.57	0.92	22.49	<=30	Pass
			13	21.54	0.92	22.46	<=30	Pass
			24	21.43	0.92	22.35	<=30	Pass
		12	0	20.43	0.92	21.35	<=30	Pass
			6	20.52	0.92	21.44	<=30	Pass
			13	20.47	0.92	21.39	<=30	Pass
		25	0	20.50	0.92	21.42	<=30	Pass
	1752.5	1	0	21.56	0.92	22.48	<=30	Pass
			13	21.72	0.92	22.64	<=30	Pass
			24	21.60	0.92	22.52	<=30	Pass
		12	0	20.57	0.92	21.49	<=30	Pass
			6	20.62	0.92	21.54	<=30	Pass
			13	20.60	0.92	21.52	<=30	Pass
		25	0	20.58	0.92	21.50	<=30	Pass
16QAM	1712.5	1	0	20.38	0.92	21.30	<=30	Pass
			13	20.48	0.92	21.40	<=30	Pass
			24	20.43	0.92	21.35	<=30	Pass
		12	0	19.35	0.92	20.27	<=30	Pass
			6	19.40	0.92	20.32	<=30	Pass
			13	19.36	0.92	20.28	<=30	Pass
		25	0	19.38	0.92	20.30	<=30	Pass
	1732.5	1	0	20.62	0.92	21.54	<=30	Pass
			13	20.75	0.92	21.67	<=30	Pass
			24	20.64	0.92	21.56	<=30	Pass
		12	0	19.53	0.92	20.45	<=30	Pass
			6	19.62	0.92	20.54	<=30	Pass
			13	19.58	0.92	20.50	<=30	Pass
		25	0	19.50	0.92	20.42	<=30	Pass
	1752.5	1	0	20.34	0.92	21.26	<=30	Pass
			13	20.45	0.92	21.37	<=30	Pass
			24	20.34	0.92	21.26	<=30	Pass
		12	0	19.58	0.92	20.50	<=30	Pass
			6	19.64	0.92	20.56	<=30	Pass
			13	19.63	0.92	20.55	<=30	Pass
		25	0	19.62	0.92	20.54	<=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	21.85	0.92	22.77	<=30	Pass
			25	22.09	0.92	23.01	<=30	Pass
			49	21.95	0.92	22.87	<=30	Pass
		25	0	20.85	0.92	21.77	<=30	Pass
			13	20.85	0.92	21.77	<=30	Pass
			25	20.67	0.92	21.59	<=30	Pass
		50	0	20.75	0.92	21.67	<=30	Pass
	1732.5	1	0	21.49	0.92	22.41	<=30	Pass
			25	21.65	0.92	22.57	<=30	Pass
			49	21.51	0.92	22.43	<=30	Pass
		25	0	20.52	0.92	21.44	<=30	Pass
			13	20.54	0.92	21.46	<=30	Pass
			25	20.55	0.92	21.47	<=30	Pass
		50	0	20.55	0.92	21.47	<=30	Pass
	1750	1	0	21.60	0.92	22.52	<=30	Pass
			25	21.80	0.92	22.72	<=30	Pass
			49	21.70	0.92	22.62	<=30	Pass
		25	0	20.59	0.92	21.51	<=30	Pass
			13	20.63	0.92	21.55	<=30	Pass
			25	20.66	0.92	21.58	<=30	Pass
		50	0	20.63	0.92	21.55	<=30	Pass
16QAM	1715	1	0	20.28	0.92	21.20	<=30	Pass
			25	20.50	0.92	21.42	<=30	Pass
			49	20.35	0.92	21.27	<=30	Pass
		25	0	19.46	0.92	20.38	<=30	Pass
			13	19.50	0.92	20.42	<=30	Pass
			25	19.57	0.92	20.49	<=30	Pass
		50	0	19.44	0.92	20.36	<=30	Pass
	1732.5	1	0	20.55	0.92	21.47	<=30	Pass
			25	20.72	0.92	21.64	<=30	Pass
			49	20.62	0.92	21.54	<=30	Pass
		25	0	19.56	0.92	20.48	<=30	Pass
			13	19.60	0.92	20.52	<=30	Pass
			25	19.61	0.92	20.53	<=30	Pass
		50	0	19.59	0.92	20.51	<=30	Pass
	1750	1	0	20.98	0.92	21.90	<=30	Pass
			25	21.15	0.92	22.07	<=30	Pass
			49	20.99	0.92	21.91	<=30	Pass
		25	0	19.65	0.92	20.57	<=30	Pass
			13	19.67	0.92	20.59	<=30	Pass
			25	19.69	0.92	20.61	<=30	Pass
		50	0	19.64	0.92	20.56	<=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	21.78	0.92	22.70	<=30	Pass
			38	21.93	0.92	22.85	<=30	Pass
			74	21.89	0.92	22.81	<=30	Pass
		36	0	20.85	0.92	21.77	<=30	Pass
			18	20.70	0.92	21.62	<=30	Pass
			39	20.59	0.92	21.51	<=30	Pass
		75	0	20.48	0.92	21.40	<=30	Pass
	1732.5	1	0	21.40	0.92	22.32	<=30	Pass
			38	21.49	0.92	22.41	<=30	Pass
			74	21.48	0.92	22.40	<=30	Pass
		36	0	20.54	0.92	21.46	<=30	Pass
			18	20.54	0.92	21.46	<=30	Pass
			39	20.63	0.92	21.55	<=30	Pass
		75	0	20.60	0.92	21.52	<=30	Pass
	1747.5	1	0	21.53	0.92	22.45	<=30	Pass
			38	21.65	0.92	22.57	<=30	Pass
			74	21.63	0.92	22.55	<=30	Pass
		36	0	20.67	0.92	21.59	<=30	Pass
			18	20.70	0.92	21.62	<=30	Pass
			39	20.76	0.92	21.68	<=30	Pass
		75	0	20.71	0.92	21.63	<=30	Pass
16QAM	1717.5	1	0	20.54	0.92	21.46	<=30	Pass
			38	20.73	0.92	21.65	<=30	Pass
			74	20.70	0.92	21.62	<=30	Pass
		36	0	19.43	0.92	20.35	<=30	Pass
			18	19.46	0.92	20.38	<=30	Pass
			39	19.43	0.92	20.35	<=30	Pass
		75	0	19.47	0.92	20.39	<=30	Pass
	1732.5	1	0	20.53	0.92	21.45	<=30	Pass
			38	20.59	0.92	21.51	<=30	Pass
			74	20.58	0.92	21.50	<=30	Pass
		36	0	19.59	0.92	20.51	<=30	Pass
			18	19.58	0.92	20.50	<=30	Pass
			39	19.67	0.92	20.59	<=30	Pass
		75	0	19.61	0.92	20.53	<=30	Pass
	1747.5	1	0	20.96	0.92	21.88	<=30	Pass
			38	21.01	0.92	21.93	<=30	Pass
			74	20.94	0.92	21.86	<=30	Pass
		36	0	19.69	0.92	20.61	<=30	Pass
			18	19.70	0.92	20.62	<=30	Pass
			39	19.75	0.92	20.67	<=30	Pass
		75	0	19.68	0.92	20.60	<=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	RB Allocation	Conducted Power	Gain	EIRP (dBm)	Verdict

	(MHz)	Size	Offset	(dBm)	(dBi)	Result	Limit	
QPSK	1720	1	0	21.59	0.92	22.51	<=30	Pass
			50	22.02	0.92	22.94	<=30	Pass
			99	21.43	0.92	22.35	<=30	Pass
		50	0	20.36	0.92	21.28	<=30	Pass
			25	20.41	0.92	21.33	<=30	Pass
			50	20.46	0.92	21.38	<=30	Pass
		100	0	20.42	0.92	21.34	<=30	Pass
	1732.5	1	0	21.23	0.92	22.15	<=30	Pass
			50	21.62	0.92	22.54	<=30	Pass
			99	21.39	0.92	22.31	<=30	Pass
		50	0	20.40	0.92	21.32	<=30	Pass
			25	20.52	0.92	21.44	<=30	Pass
			50	20.54	0.92	21.46	<=30	Pass
		100	0	20.52	0.92	21.44	<=30	Pass
	1745	1	0	21.29	0.92	22.21	<=30	Pass
			50	21.74	0.92	22.66	<=30	Pass
			99	21.46	0.92	22.38	<=30	Pass
		50	0	20.54	0.92	21.46	<=30	Pass
			25	20.59	0.92	21.51	<=30	Pass
			50	20.62	0.92	21.54	<=30	Pass
		100	0	20.58	0.92	21.50	<=30	Pass
16QAM	1720	1	0	20.56	0.92	21.48	<=30	Pass
			50	21.02	0.92	21.94	<=30	Pass
			99	20.74	0.92	21.66	<=30	Pass
		50	0	19.42	0.92	20.34	<=30	Pass
			25	19.50	0.92	20.42	<=30	Pass
			50	19.49	0.92	20.41	<=30	Pass
		100	0	19.45	0.92	20.37	<=30	Pass
	1732.5	1	0	20.40	0.92	21.32	<=30	Pass
			50	20.75	0.92	21.67	<=30	Pass
			99	20.49	0.92	21.41	<=30	Pass
		50	0	19.49	0.92	20.41	<=30	Pass
			25	19.56	0.92	20.48	<=30	Pass
			50	19.59	0.92	20.51	<=30	Pass
		100	0	19.55	0.92	20.47	<=30	Pass
	1745	1	0	20.49	0.92	21.41	<=30	Pass
			50	20.90	0.92	21.82	<=30	Pass
			99	20.57	0.92	21.49	<=30	Pass
		50	0	19.57	0.92	20.49	<=30	Pass
			25	19.57	0.92	20.49	<=30	Pass
			50	19.63	0.92	20.55	<=30	Pass
		100	0	19.60	0.92	20.52	<=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	1.631	0.0010	-2.5 to 2.5	Pass
					3.85	8.726	0.0051	-2.5 to 2.5	Pass
					4.43	12.932	0.0076	-2.5 to 2.5	Pass
				-30	3.85	14.348	0.0084	-2.5 to 2.5	Pass
				-20	3.85	9.828	0.0057	-2.5 to 2.5	Pass
				-10	3.85	7.367	0.0043	-2.5 to 2.5	Pass
				0	3.85	9.441	0.0055	-2.5 to 2.5	Pass
				10	3.85	7.997	0.0047	-2.5 to 2.5	Pass
				30	3.85	6.337	0.0037	-2.5 to 2.5	Pass
				40	3.85	9.656	0.0056	-2.5 to 2.5	Pass
				50	3.85	2.475	0.0014	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-3.462	-0.0020	-2.5 to 2.5	Pass
					3.85	-7.524	-0.0043	-2.5 to 2.5	Pass
					4.43	-5.007	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-7.095	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-5.822	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-28.310	-0.0163	-2.5 to 2.5	Pass
				50	3.85	-11.988	-0.0069	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	0.901	0.0005	-2.5 to 2.5	Pass
					3.85	-6.151	-0.0035	-2.5 to 2.5	Pass
					4.43	-4.077	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-7.567	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-3.848	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-3.934	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-3.219	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-0.129	-0.0001	-2.5 to 2.5	Pass
					3.85	-3.204	-0.0019	-2.5 to 2.5	Pass
					4.43	-6.580	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-6.180	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-4.578	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-8.655	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-12.417	-0.0073	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-10.200	-0.0059	-2.5 to 2.5	Pass
					3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
					4.43	-10.486	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-4.964	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-7.796	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-6.638	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-4.907	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-4.134	-0.0024	-2.5 to 2.5	Pass

				40	3.85	-3.705	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-1.130	-0.0007	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-8.368	-0.0048	-2.5 to 2.5	Pass
					3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
					4.43	-5.751	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-8.383	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-8.183	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-2.875	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-6.738	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-3.419	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-6.924	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-4.091	-0.0023	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-3.948	-0.0023	-2.5 to 2.5	Pass
					3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
					4.43	0.715	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-5.236	-0.0031	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-4.420	-0.0026	-2.5 to 2.5	Pass
					3.85	-9.856	-0.0057	-2.5 to 2.5	Pass
					4.43	-5.765	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-3.219	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-4.478	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-3.390	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-3.905	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-4.063	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-6.208	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-2.418	-0.0014	-2.5 to 2.5	Pass
					3.85	-15.564	-0.0089	-2.5 to 2.5	Pass
					4.43	-2.604	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-10.657	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-6.309	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-9.127	-0.0052	-2.5 to 2.5	Pass
				0	3.85	0.958	0.0005	-2.5 to 2.5	Pass
				10	3.85	-6.938	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass

				40	3.85	-4.792	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-5.436	-0.0031	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-3.562	-0.0021	-2.5 to 2.5	Pass
					3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
					4.43	-1.731	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-4.978	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				10	3.85	0.958	0.0006	-2.5 to 2.5	Pass
				30	3.85	-6.437	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-9.456	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-7.238	-0.0042	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	2.146	0.0012	-2.5 to 2.5	Pass
					3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
					4.43	-4.520	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-4.892	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-5.178	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-9.241	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-3.533	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-3.591	-0.0020	-2.5 to 2.5	Pass
					3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
					4.43	-4.091	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-8.998	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-7.367	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-8.283	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-9.627	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-6.123	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-8.569	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-3.176	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-3.619	-0.0021	-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	-5.693	-0.0033	-2.5 to 2.5	Pass
					3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
					4.43	-1.302	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-5.336	-0.0031	-2.5 to 2.5	Pass

				40	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	2.360	0.0014	-2.5 to 2.5	Pass
					3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
					4.43	-4.520	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-2.031	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				0	3.85	-4.792	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				40	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				50	3.85	1.373	0.0008	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-6.166	-0.0035	-2.5 to 2.5	Pass
					3.85	-6.952	-0.0040	-2.5 to 2.5	Pass
					4.43	-6.437	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-6.952	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-7.553	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-6.495	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-6.809	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-6.652	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-4.764	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-7.224	-0.0041	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-1.874	-0.0011	-2.5 to 2.5	Pass
					3.85	-3.862	-0.0023	-2.5 to 2.5	Pass
					4.43	-3.576	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-2.847	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-1.645	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-0.072	0.0000	-2.5 to 2.5	Pass
					3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
					4.43	-3.877	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-6.251	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-6.895	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-7.153	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-1.631	-0.0009	-2.5 to 2.5	Pass
					3.85	-5.679	-0.0032	-2.5 to 2.5	Pass
					4.43	-3.877	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-9.542	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-6.480	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-5.851	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-4.950	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-8.898	-0.0051	-2.5 to 2.5	Pass

				40	3.85	-6.409	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-3.505	-0.0020	-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	-7.596	-0.0044	-2.5 to 2.5	Pass
					3.85	-5.322	-0.0031	-2.5 to 2.5	Pass
					4.43	-4.635	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-4.935	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-4.606	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				0	3.85	1.087	0.0006	-2.5 to 2.5	Pass
				10	3.85	-3.734	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-7.224	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-7.067	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-8.740	-0.0050	-2.5 to 2.5	Pass
					3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
					4.43	-7.038	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-6.309	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-6.866	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-5.364	-0.0031	-2.5 to 2.5	Pass
					3.85	-8.612	-0.0049	-2.5 to 2.5	Pass
					4.43	-5.779	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-7.668	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-5.994	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-9.170	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-4.907	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-6.638	-0.0038	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-6.409	-0.0037	-2.5 to 2.5	Pass
					3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
					4.43	-4.592	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-5.579	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-4.034	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-4.978	-0.0029	-2.5 to 2.5	Pass

				40	3.85	-8.655	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-7.567	-0.0044	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-3.719	-0.0021	-2.5 to 2.5	Pass
					3.85	-5.693	-0.0033	-2.5 to 2.5	Pass
					4.43	-3.133	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-3.934	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-6.695	-0.0039	-2.5 to 2.5	Pass
				0	3.85	0.701	0.0004	-2.5 to 2.5	Pass
				10	3.85	-4.449	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-5.651	-0.0033	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-4.606	-0.0026	-2.5 to 2.5	Pass
					3.85	-5.851	-0.0033	-2.5 to 2.5	Pass
					4.43	-6.895	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-2.532	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-5.765	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-7.811	-0.0045	-2.5 to 2.5	Pass

2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-6.924	-0.0040	-2.5 to 2.5	Pass
					3.85	-5.836	-0.0034	-2.5 to 2.5	Pass
					4.43	-2.875	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-1.645	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-4.606	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-6.824	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-5.794	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-5.322	-0.0031	-2.5 to 2.5	Pass
					3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
					4.43	-9.127	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-6.537	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-6.437	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-2.360	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-3.920	-0.0023	-2.5 to 2.5	Pass

				40	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-3.762	-0.0022	-2.5 to 2.5	Pass
					3.27	-4.034	-0.0023	-2.5 to 2.5	Pass
				20	3.85	-6.695	-0.0038	-2.5 to 2.5	Pass
					4.43	-4.363	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-3.576	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
	1747.5	75	0	-10	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				0	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-4.263	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-7.281	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-6.137	-0.0035	-2.5 to 2.5	Pass
					3.27	-5.479	-0.0032	-2.5 to 2.5	Pass
				20	3.85	-7.596	-0.0044	-2.5 to 2.5	Pass
					4.43	-5.679	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-7.281	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-5.479	-0.0032	-2.5 to 2.5	Pass
	1717.5	75	0	-10	3.85	-9.027	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-7.639	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-6.924	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-8.326	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-7.997	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-8.383	-0.0049	-2.5 to 2.5	Pass
					3.27	-3.934	-0.0023	-2.5 to 2.5	Pass
				20	3.85	-3.948	-0.0023	-2.5 to 2.5	Pass
					4.43	-5.193	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
16QAM	1732.5	75	0	-10	3.85	-5.765	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-7.482	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-6.037	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-4.406	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
					3.27	-5.293	-0.0030	-2.5 to 2.5	Pass
				20	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
					4.43	-5.121	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-4.535	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-6.509	-0.0037	-2.5 to 2.5	Pass
	1747.5	75	0	-10	3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-4.892	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-6.065	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-8.082	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-9.012	-0.0052	-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	-9.384	-0.0055	-2.5 to 2.5	Pass
					3.85	-7.324	-0.0043	-2.5 to 2.5	Pass
					4.43	-2.403	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-6.595	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-4.392	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-7.725	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-7.195	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-6.223	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-8.526	-0.0050	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-5.379	-0.0031	-2.5 to 2.5	Pass
					3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
					4.43	-5.765	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-5.279	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-3.576	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-4.220	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-7.739	-0.0045	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-1.144	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
					4.43	-7.639	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-2.890	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-2.990	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				30	3.85	-2.360	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-4.492	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-6.423	-0.0037	-2.5 to 2.5	Pass
					3.85	-4.921	-0.0029	-2.5 to 2.5	Pass
					4.43	-6.781	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-4.821	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-9.212	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-4.463	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-5.593	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-6.223	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-4.921	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-3.719	-0.0022	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-3.247	-0.0019	-2.5 to 2.5	Pass
					3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
					4.43	-1.574	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-3.848	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-5.736	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-2.990	-0.0017	-2.5 to 2.5	Pass

				40	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-5.722	-0.0033	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.591	-0.0021	-2.5 to 2.5	Pass
					3.85	-3.176	-0.0018	-2.5 to 2.5	Pass
					4.43	-0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-5.093	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-5.350	-0.0031	-2.5 to 2.5	Pass

3. Modulation Characteristics

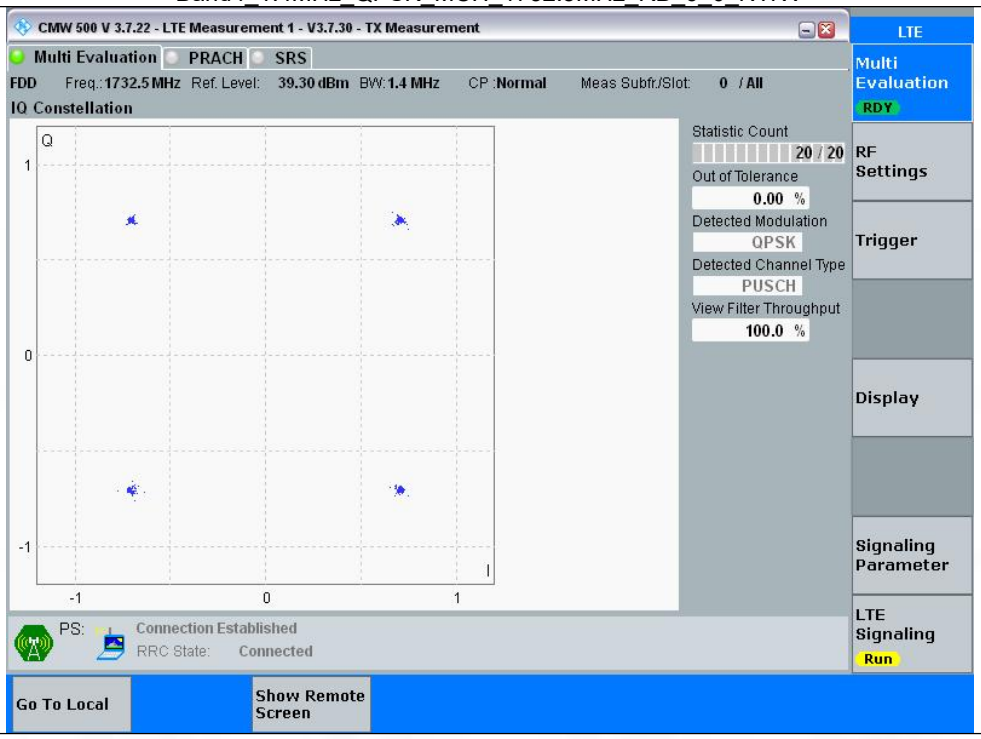
3.1 B4_1.4MHz

3.1.1 Test Result

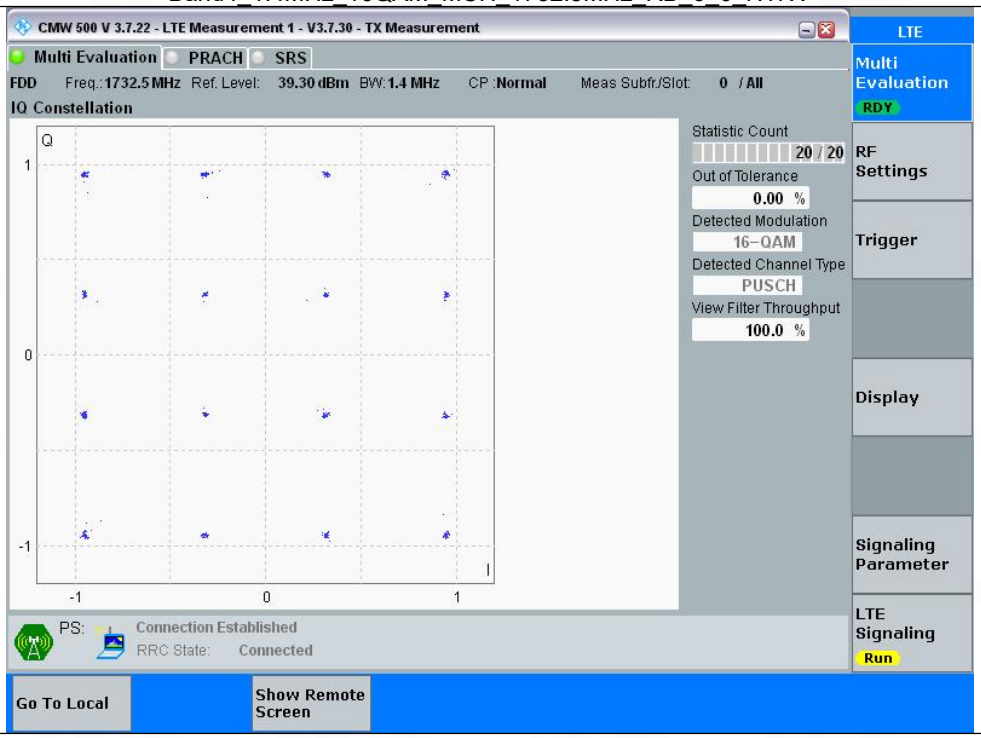
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

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



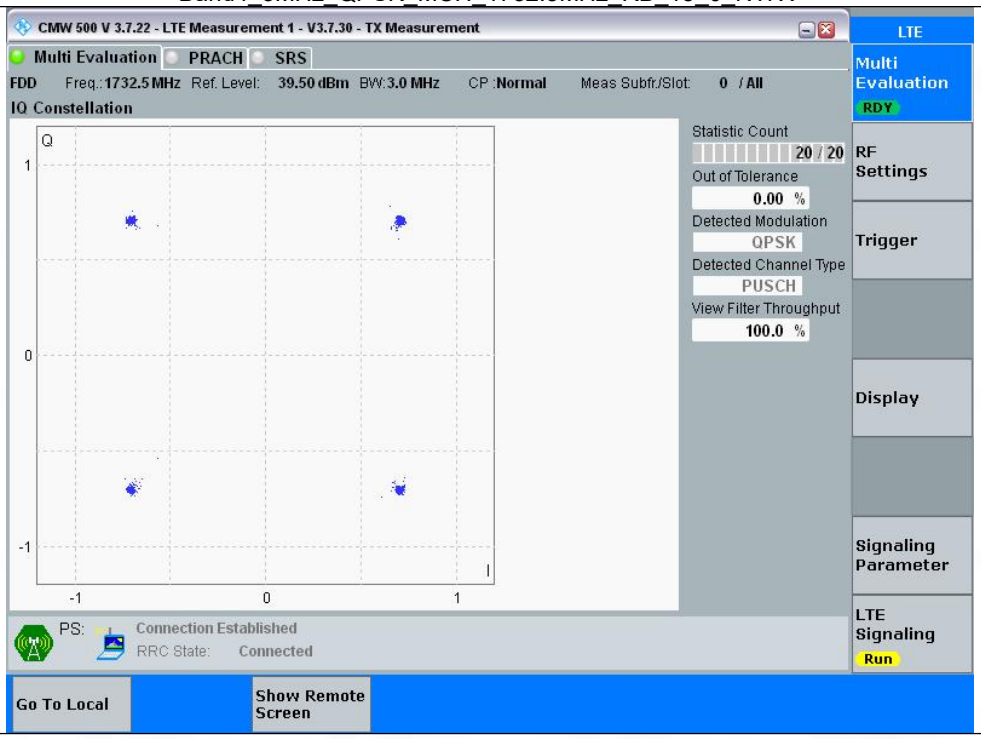
3.2 B4_3MHz

3.2.1 Test Result

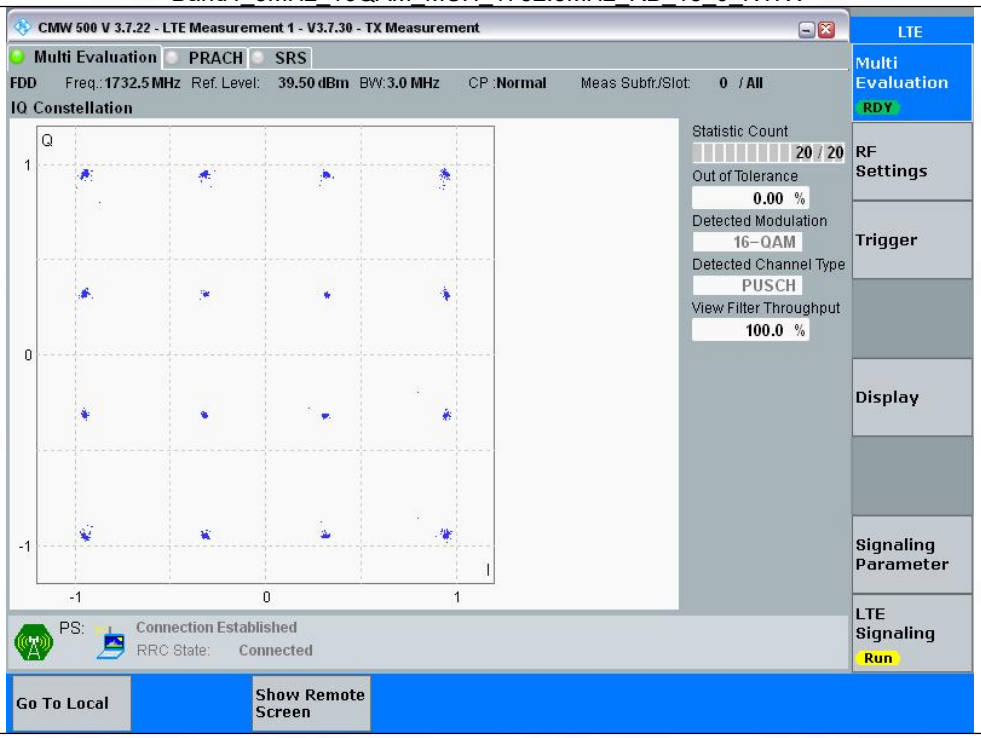
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

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



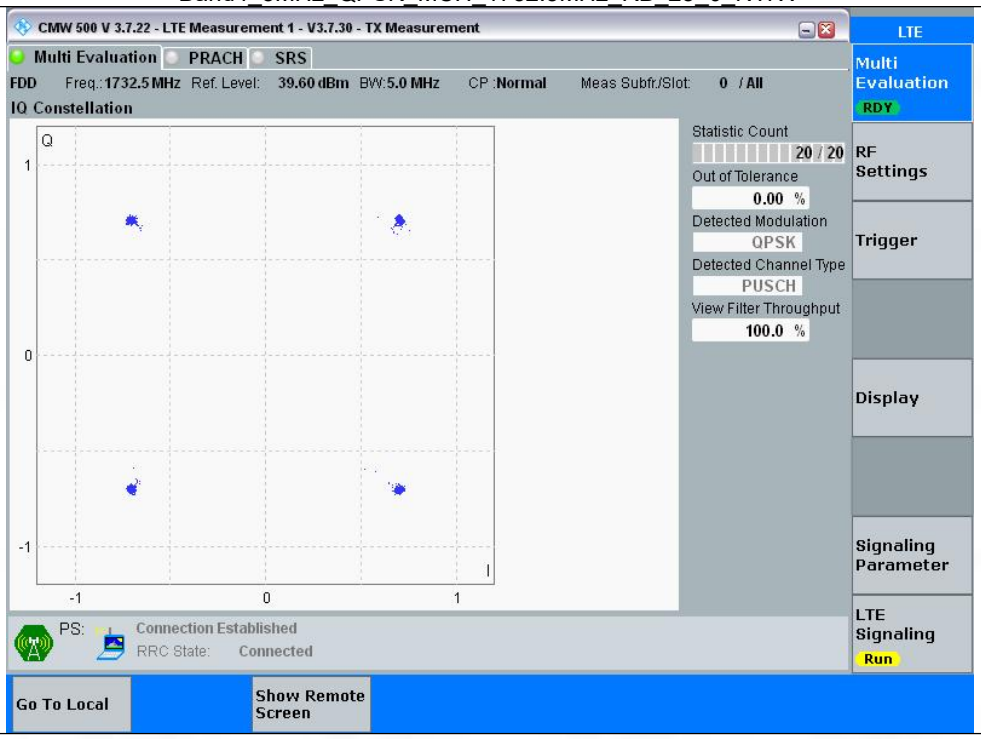
3.3 B4_5MHz

3.3.1 Test Result

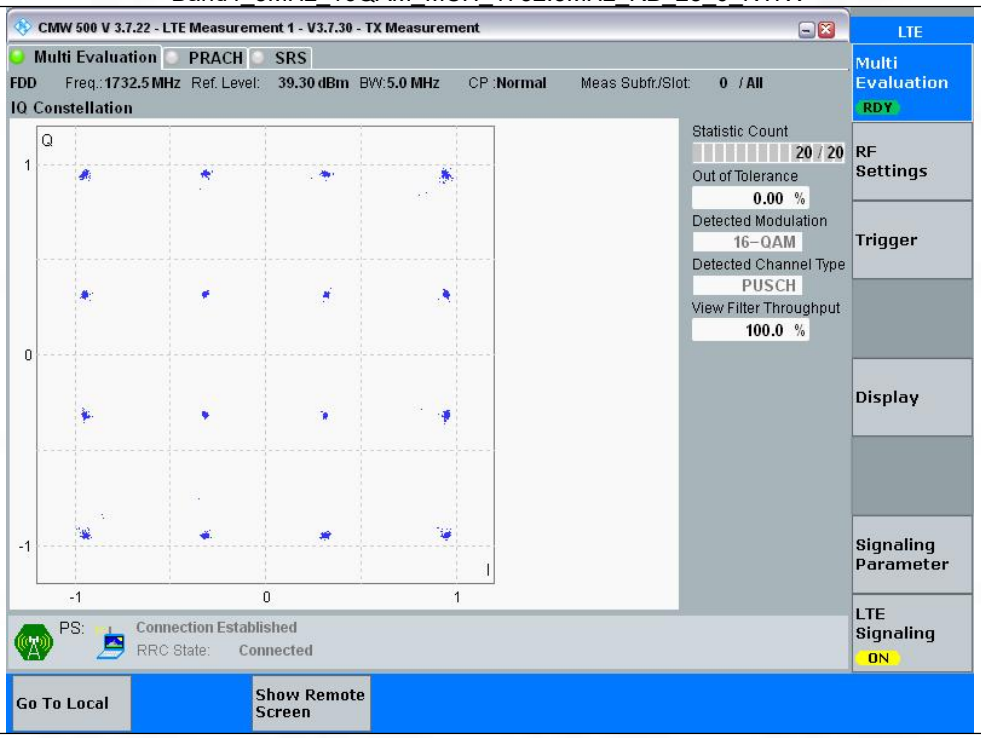
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

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



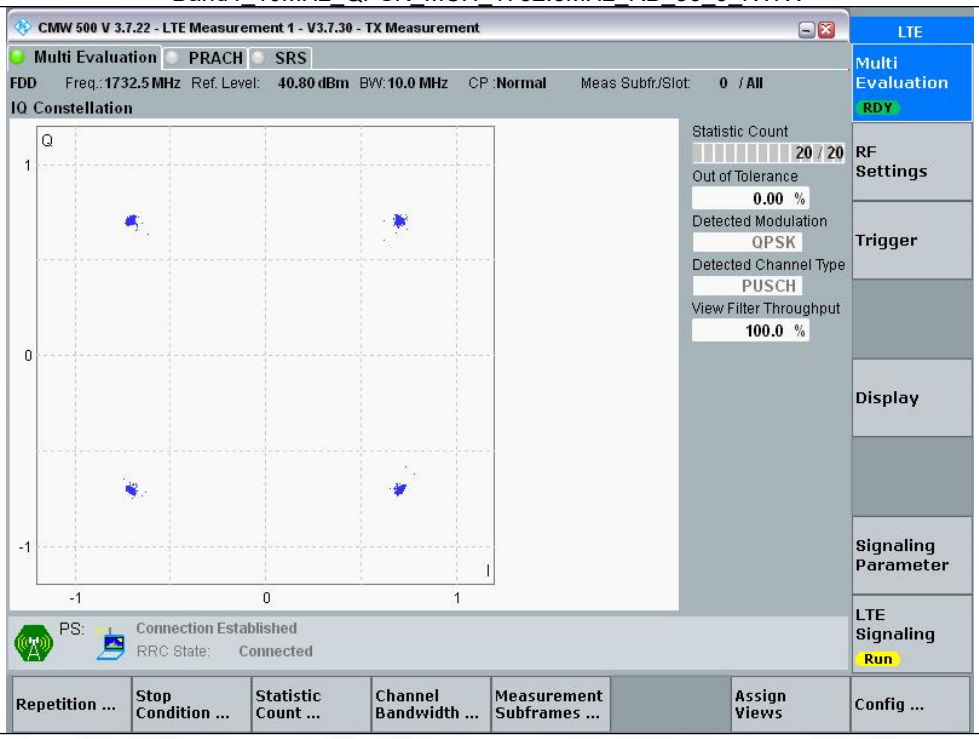
3.4 B4_10MHz

3.4.1 Test Result

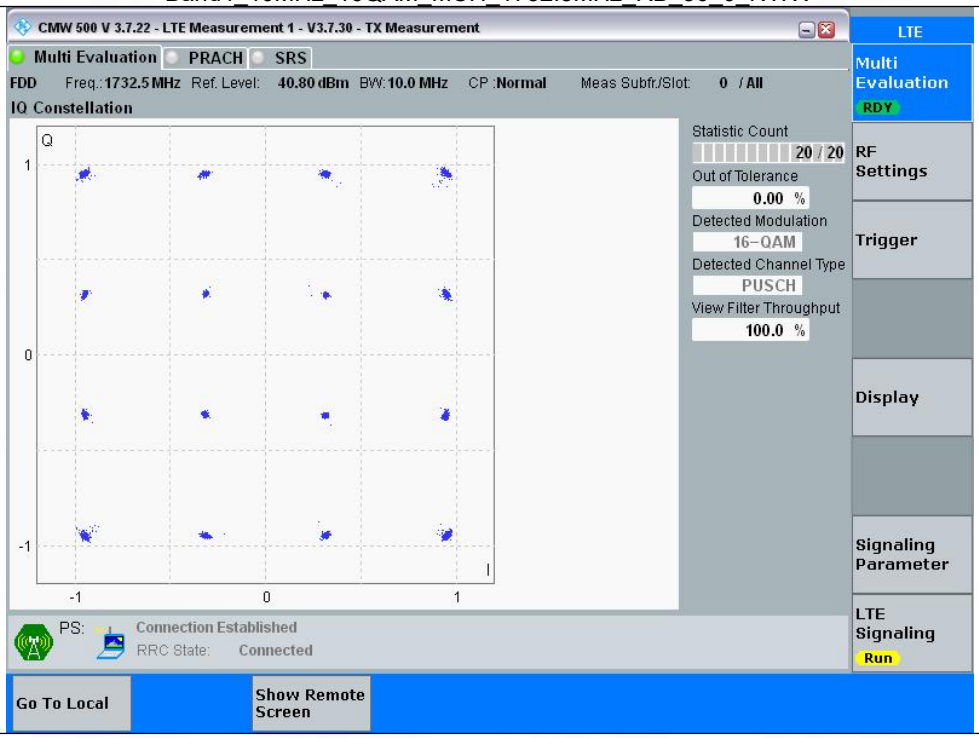
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

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



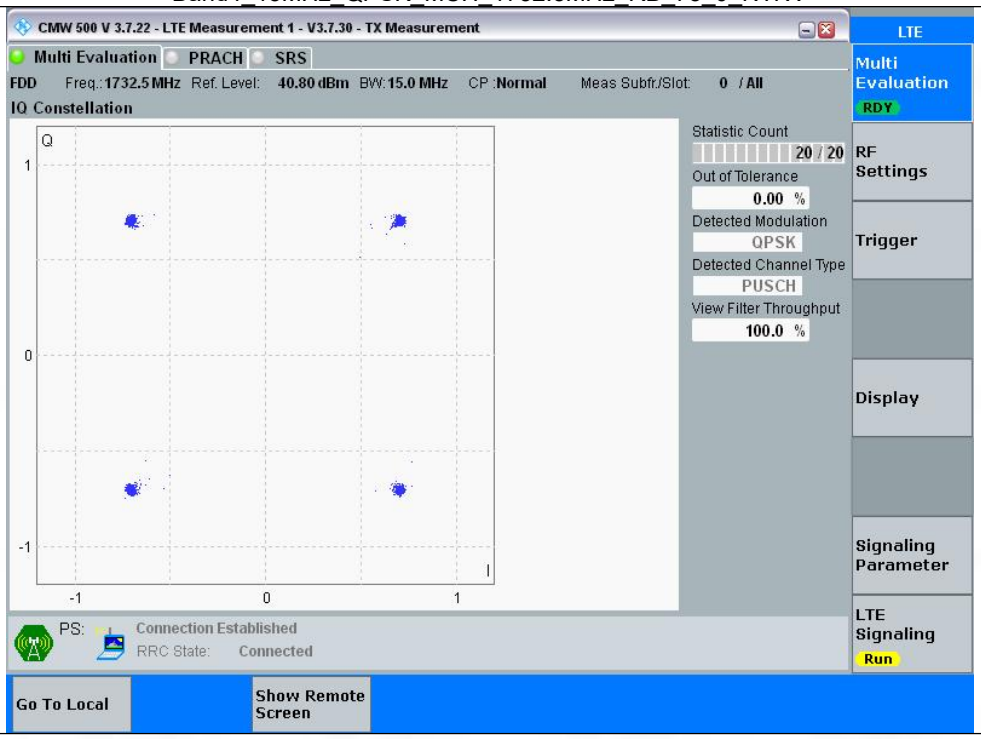
3.5 B4_15MHz

3.5.1 Test Result

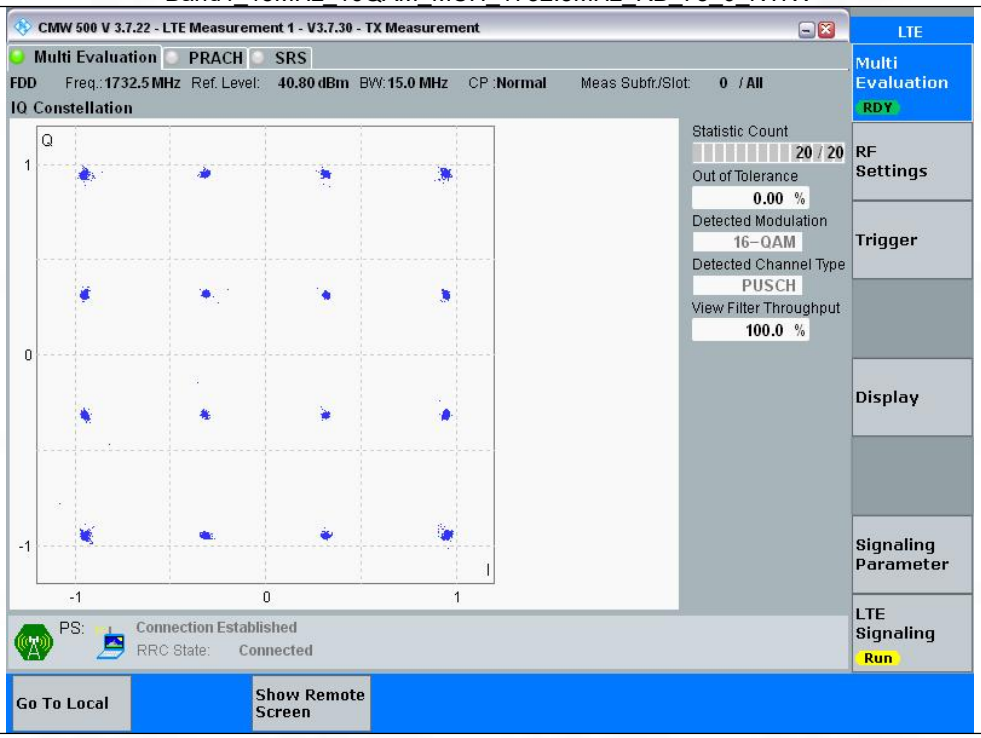
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

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



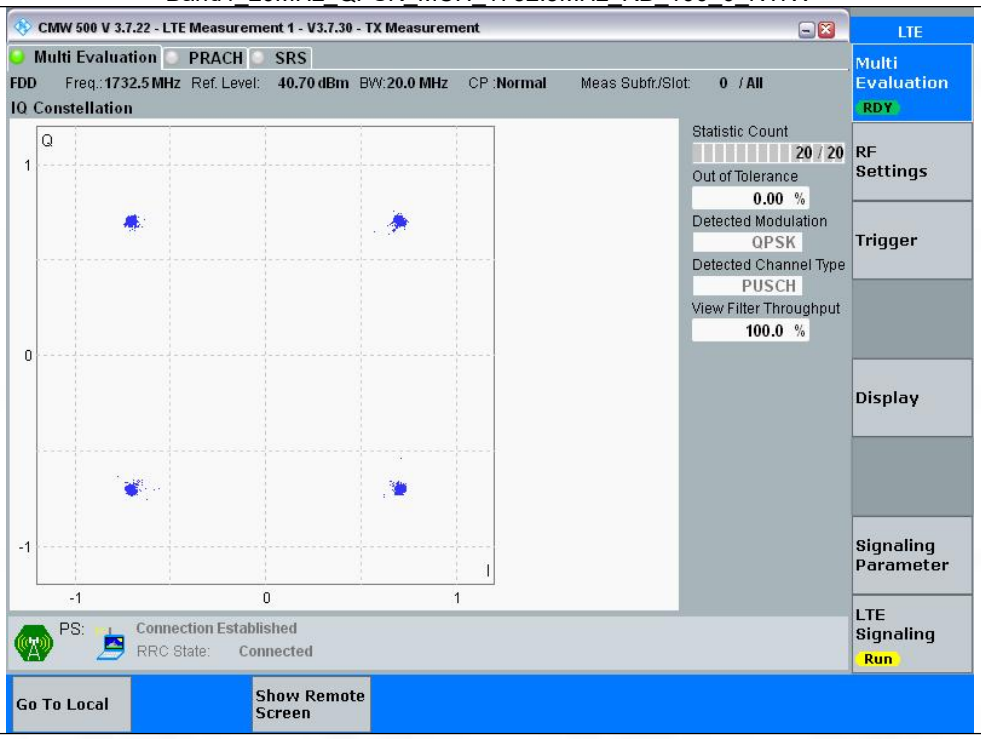
3.6 B4_20MHz

3.6.1 Test Result

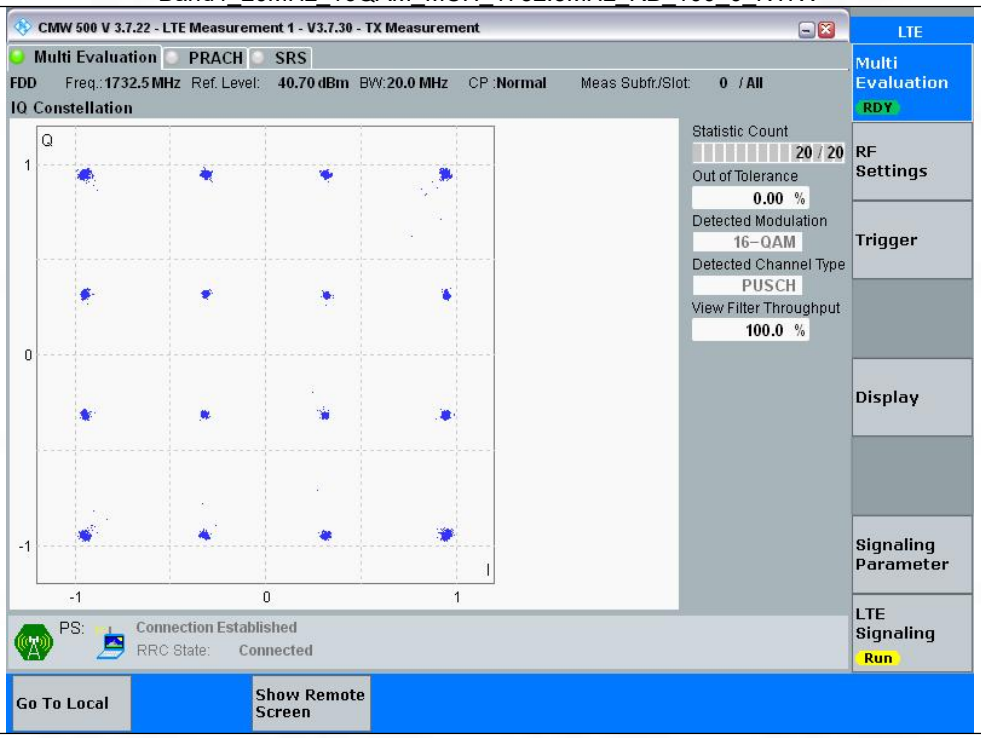
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

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

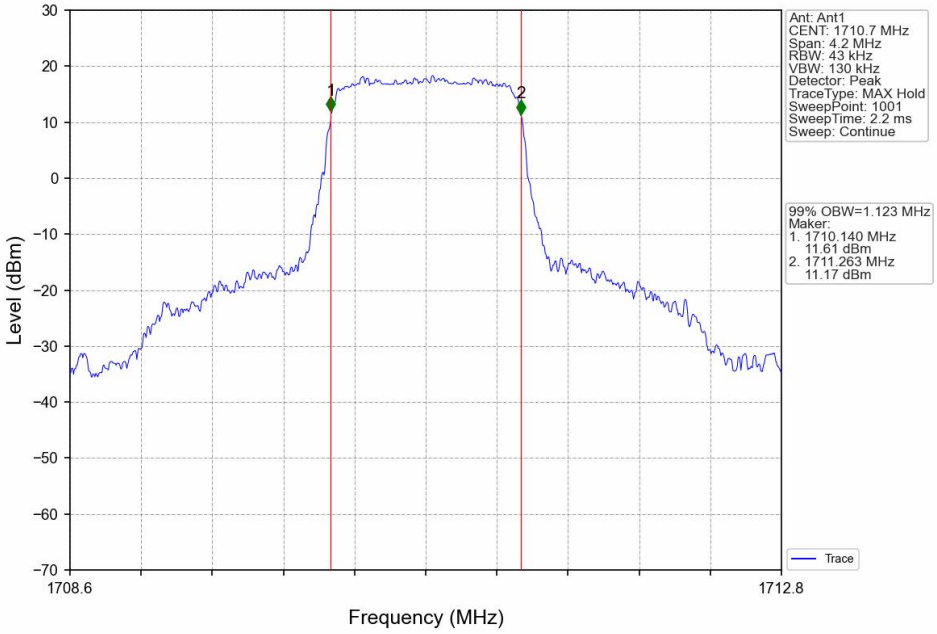
4.1 Band4_OBW

4.1.1 Test Result

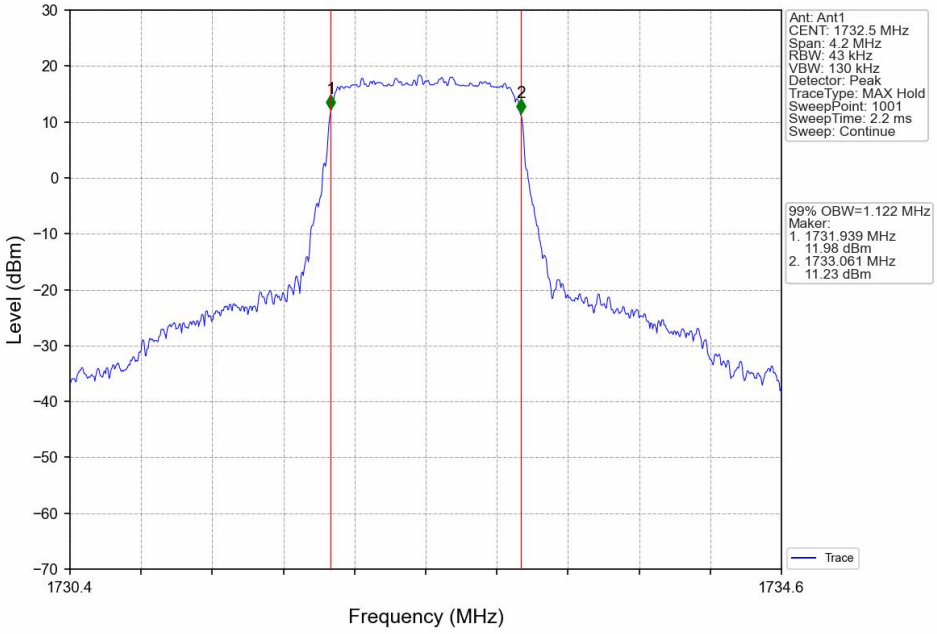
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.123	Pass
		1732.5	6	0	1.122	Pass
		1754.3	6	0	1.109	Pass
	16QAM	1710.7	6	0	1.109	Pass
		1732.5	6	0	1.105	Pass
		1754.3	6	0	1.103	Pass
3	QPSK	1711.5	15	0	2.732	Pass
		1732.5	15	0	2.723	Pass
		1753.5	15	0	2.729	Pass
	16QAM	1711.5	15	0	2.720	Pass
		1732.5	15	0	2.726	Pass
		1753.5	15	0	2.736	Pass
5	QPSK	1712.5	25	0	4.568	Pass
		1732.5	25	0	4.568	Pass
		1752.5	25	0	4.597	Pass
	16QAM	1712.5	25	0	4.581	Pass
		1732.5	25	0	4.580	Pass
		1752.5	25	0	4.567	Pass
10	QPSK	1715	50	0	9.099	Pass
		1732.5	50	0	9.097	Pass
		1750	50	0	9.086	Pass
	16QAM	1715	50	0	9.052	Pass
		1732.5	50	0	9.091	Pass
		1750	50	0	9.088	Pass
15	QPSK	1717.5	75	0	13.614	Pass
		1732.5	75	0	13.578	Pass
		1747.5	75	0	13.651	Pass
	16QAM	1717.5	75	0	13.630	Pass
		1732.5	75	0	13.631	Pass
		1747.5	75	0	13.645	Pass
20	QPSK	1720	100	0	18.094	Pass
		1732.5	100	0	18.163	Pass
		1745	100	0	18.181	Pass
	16QAM	1720	100	0	18.130	Pass
		1732.5	100	0	18.145	Pass
		1745	100	0	18.148	Pass

4.1.2 Test Graph

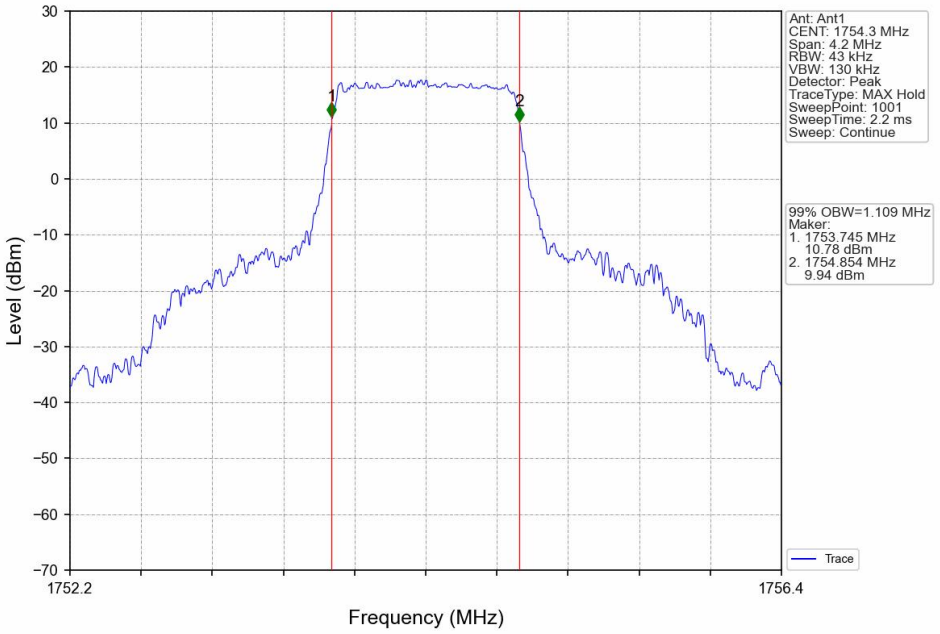
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



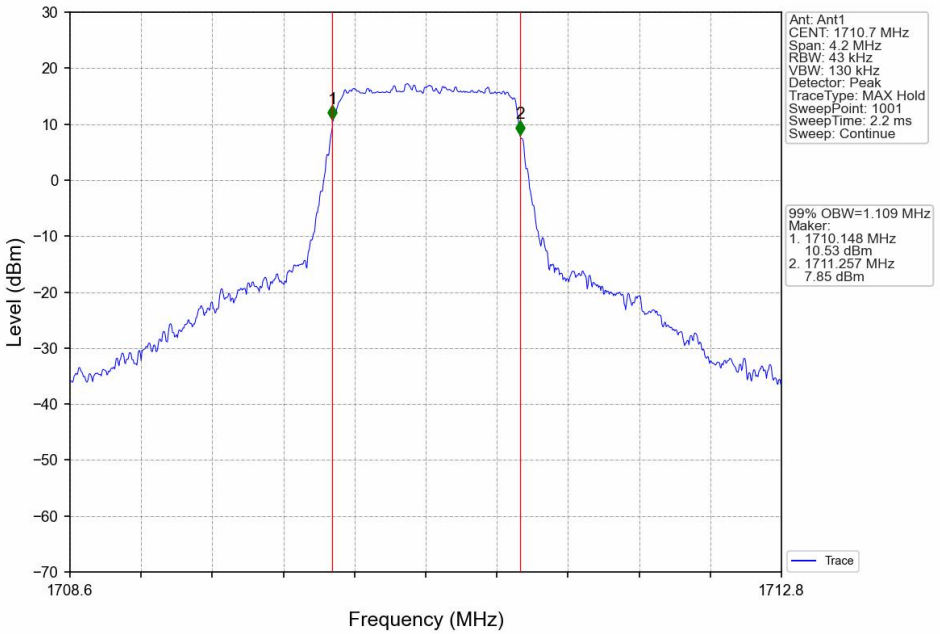
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



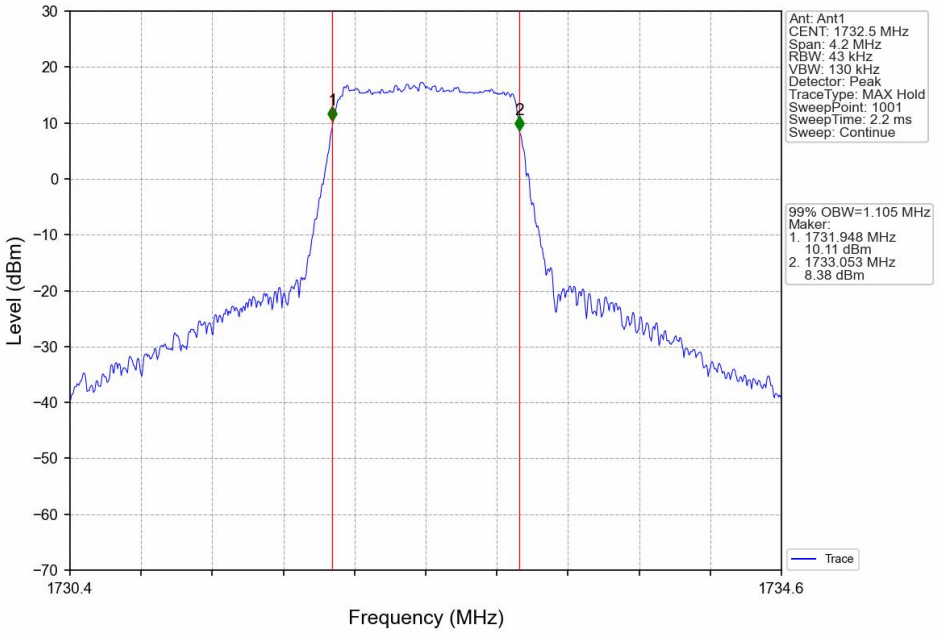
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



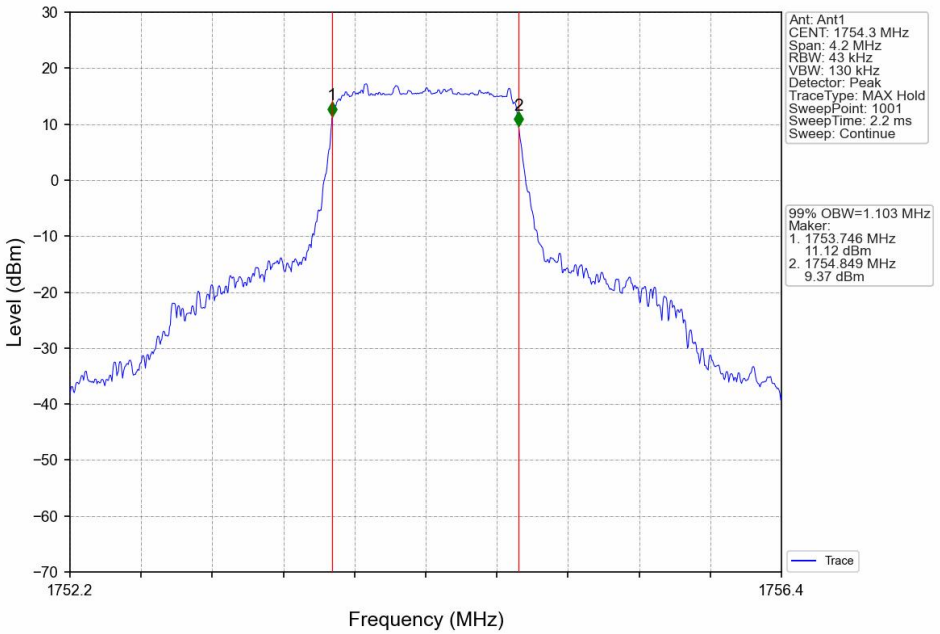
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



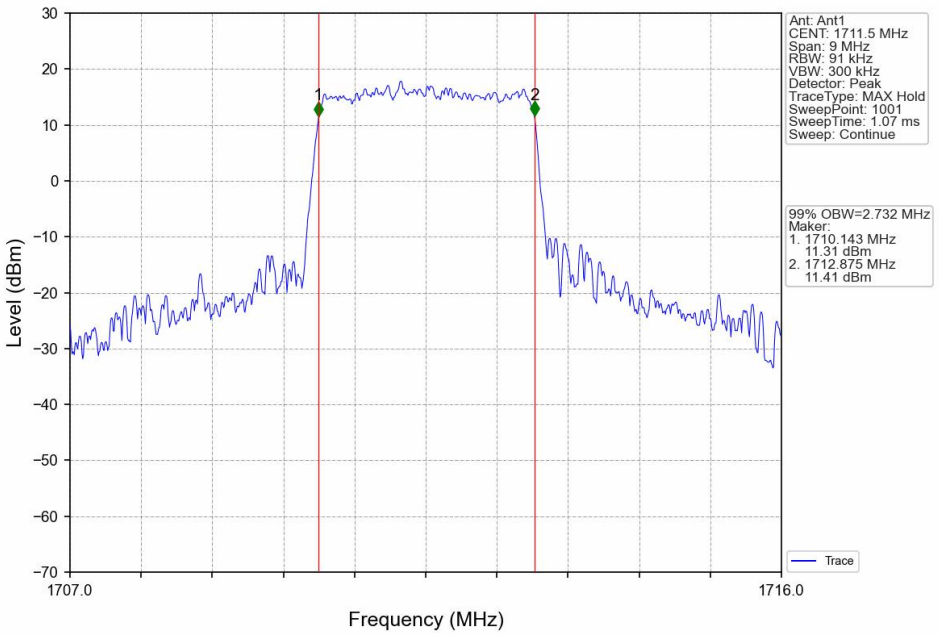
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



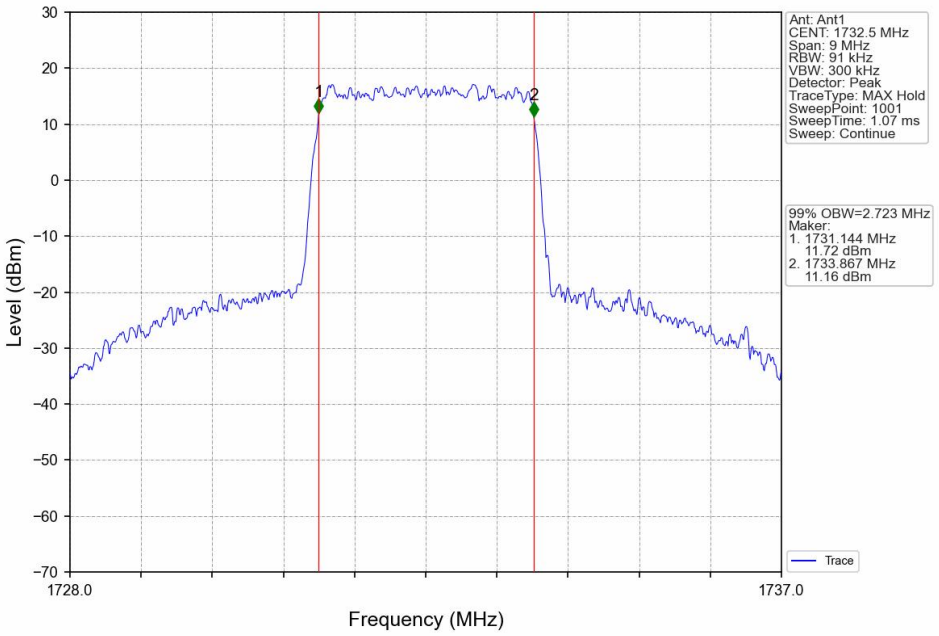
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



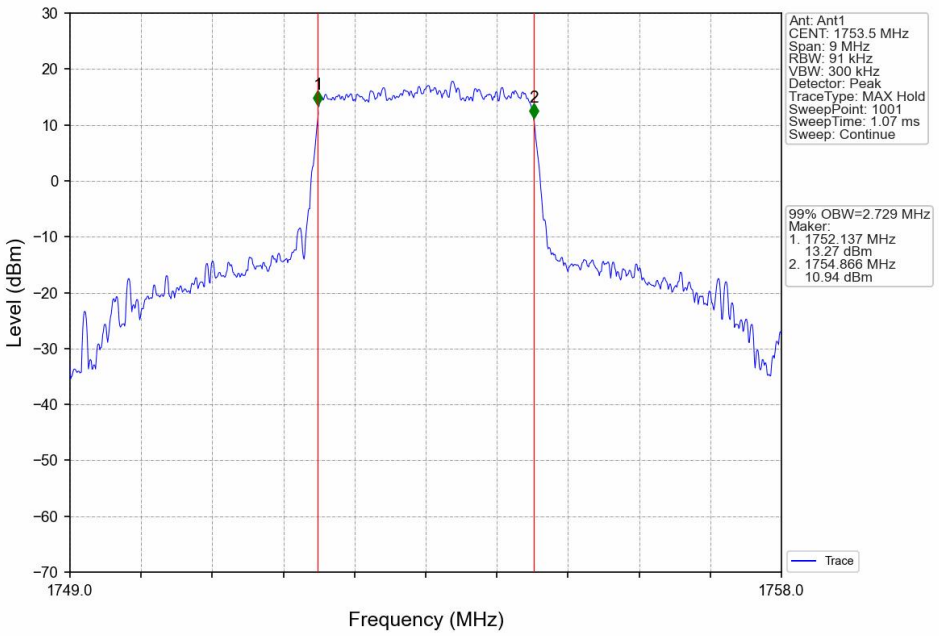
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



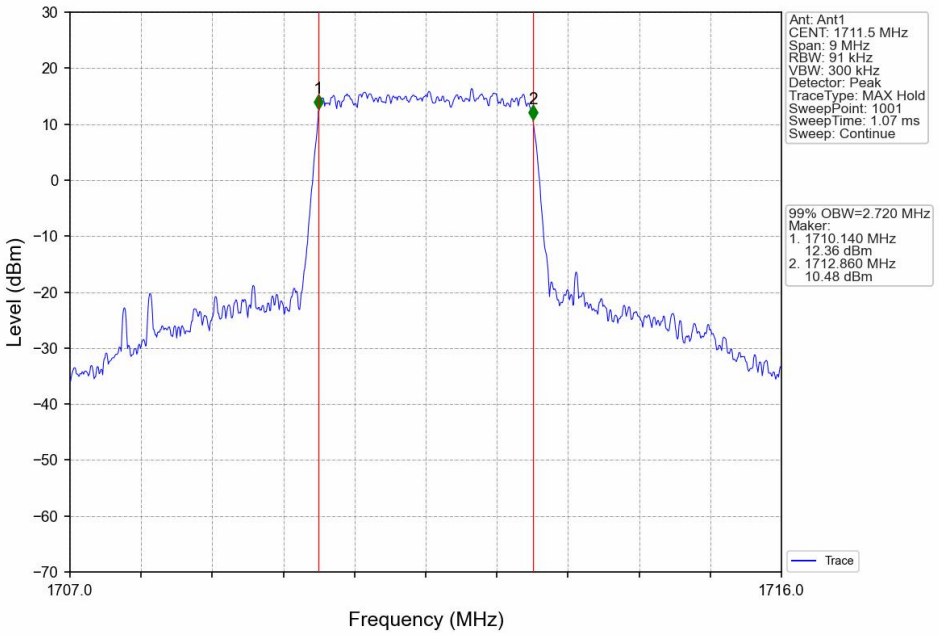
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



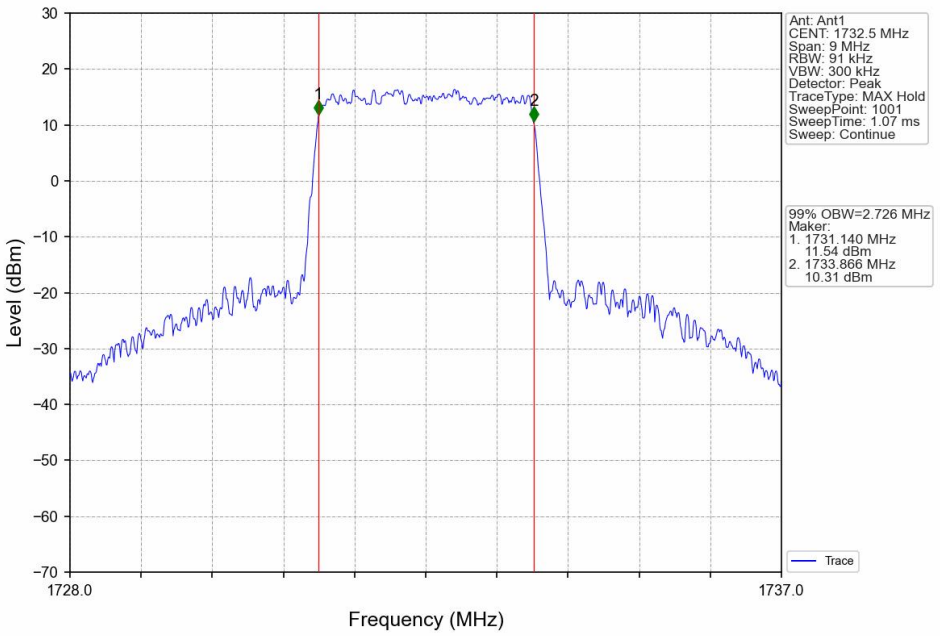
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



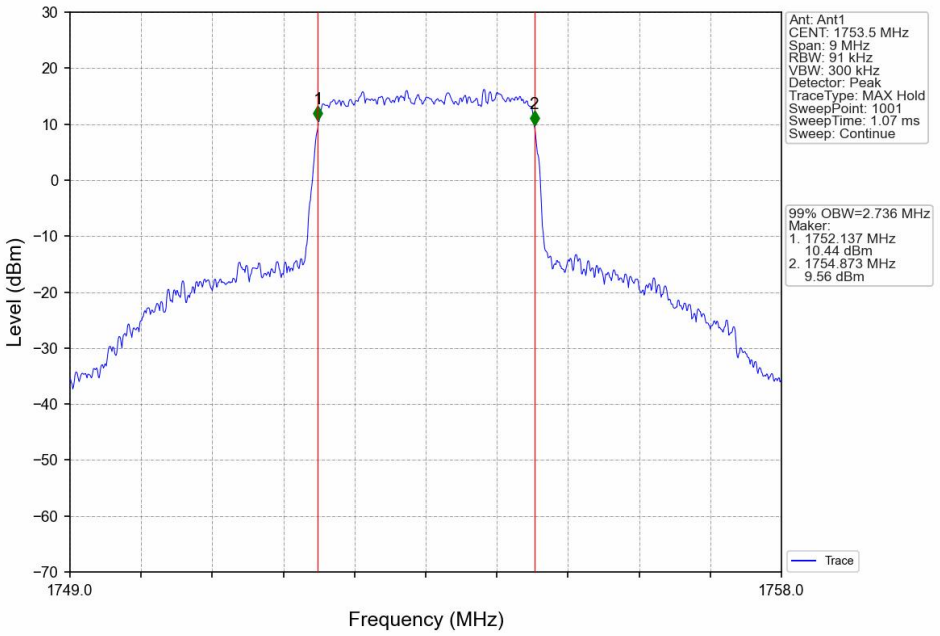
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



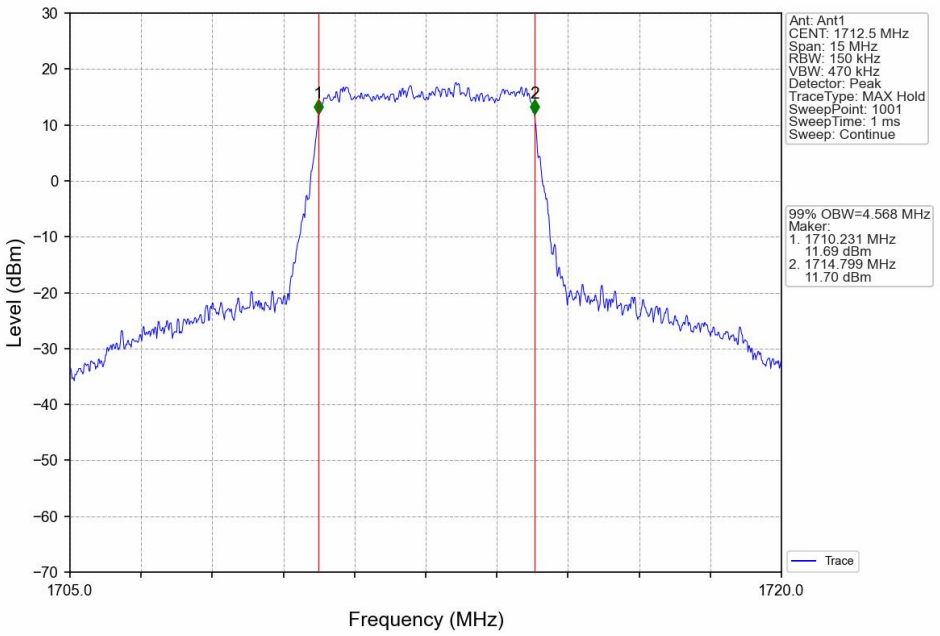
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



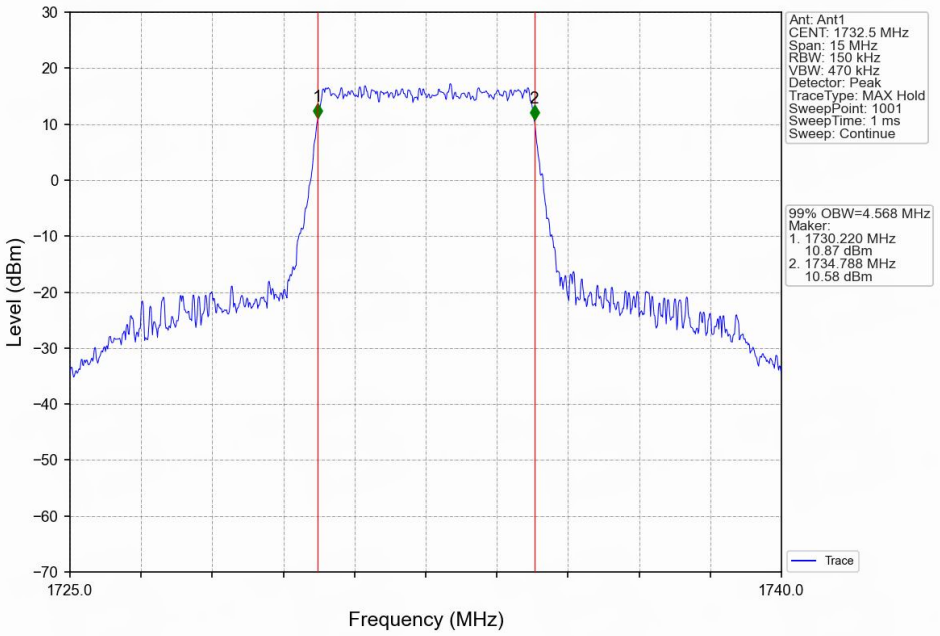
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



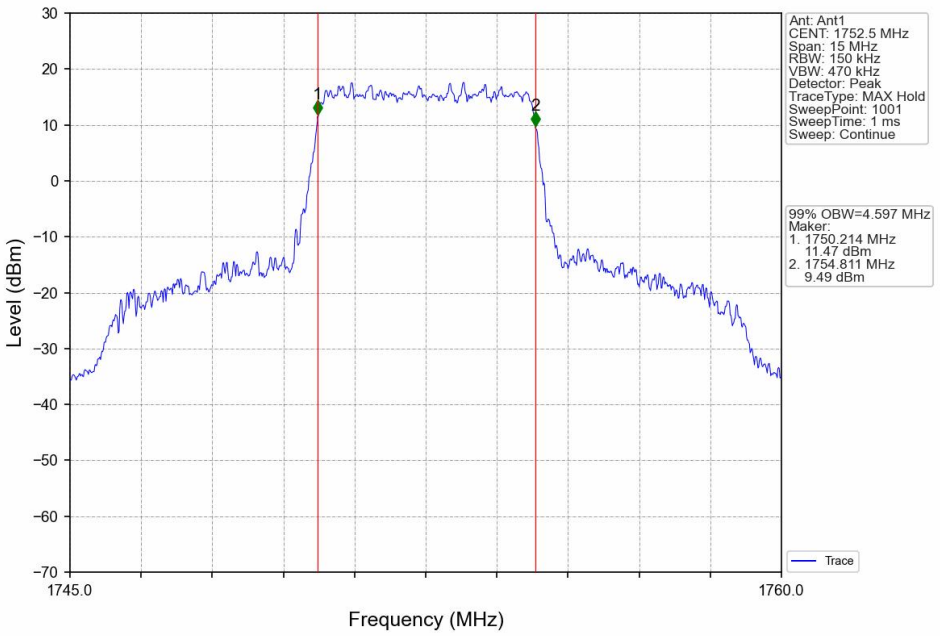
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



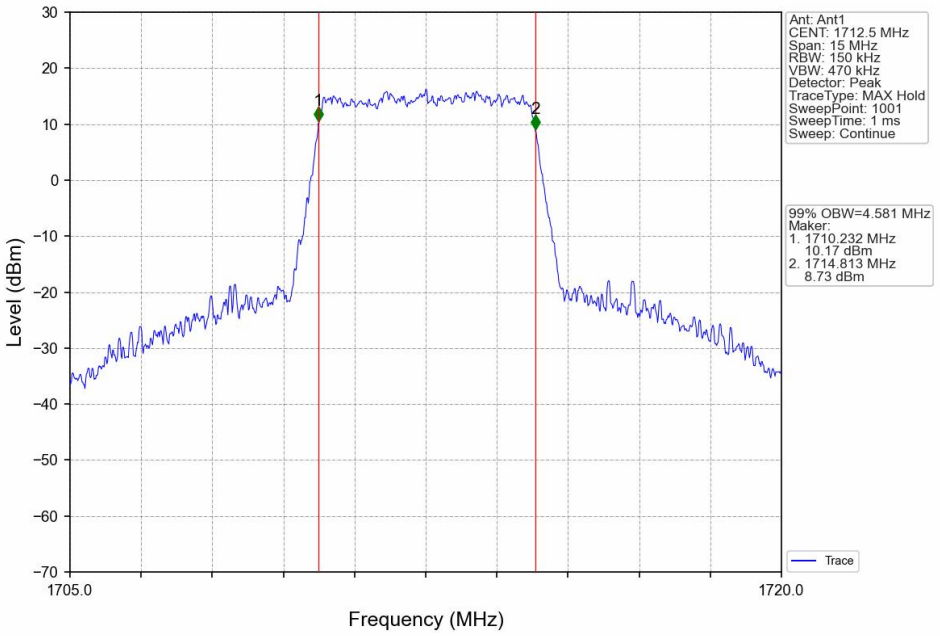
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



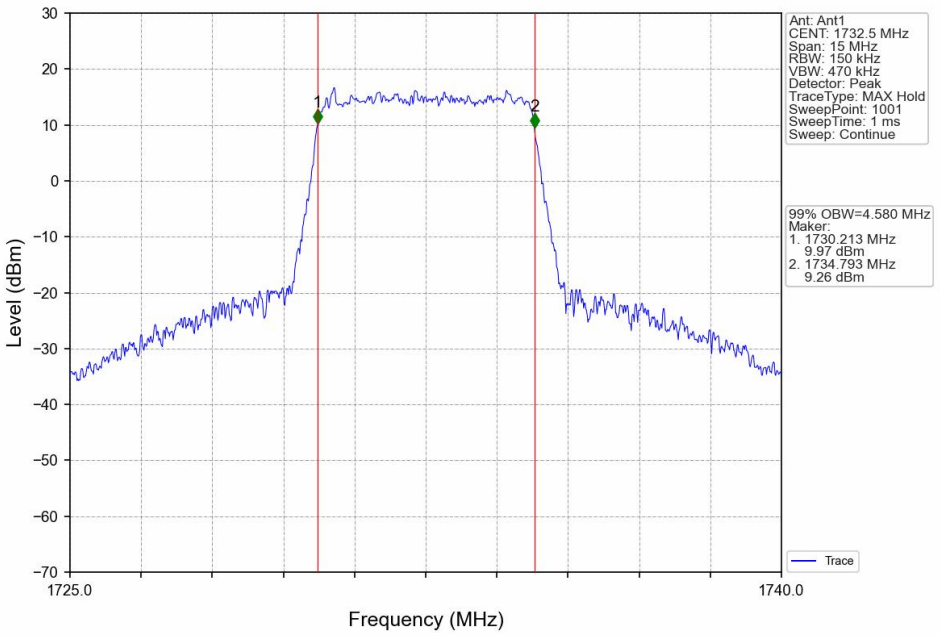
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



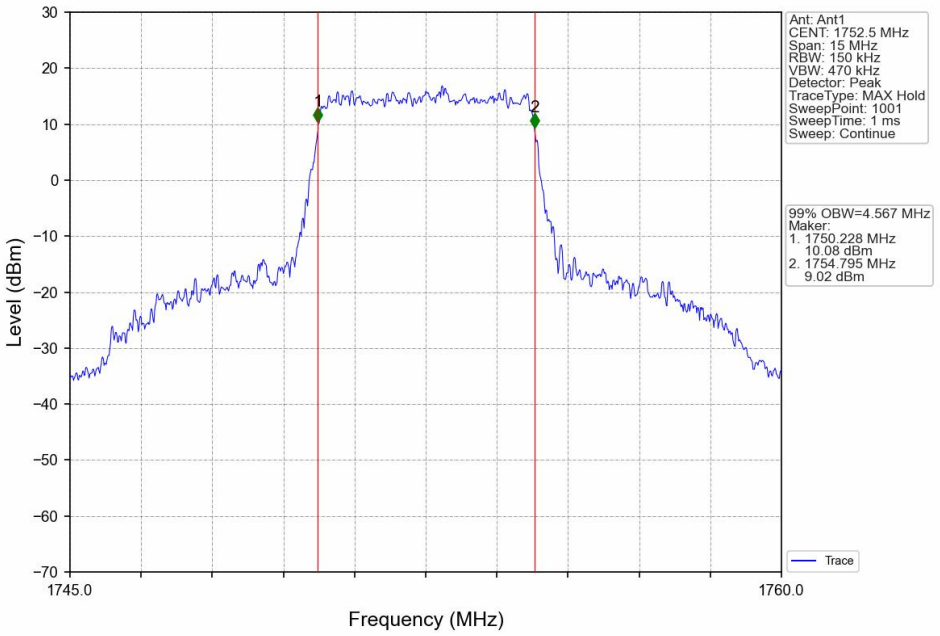
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



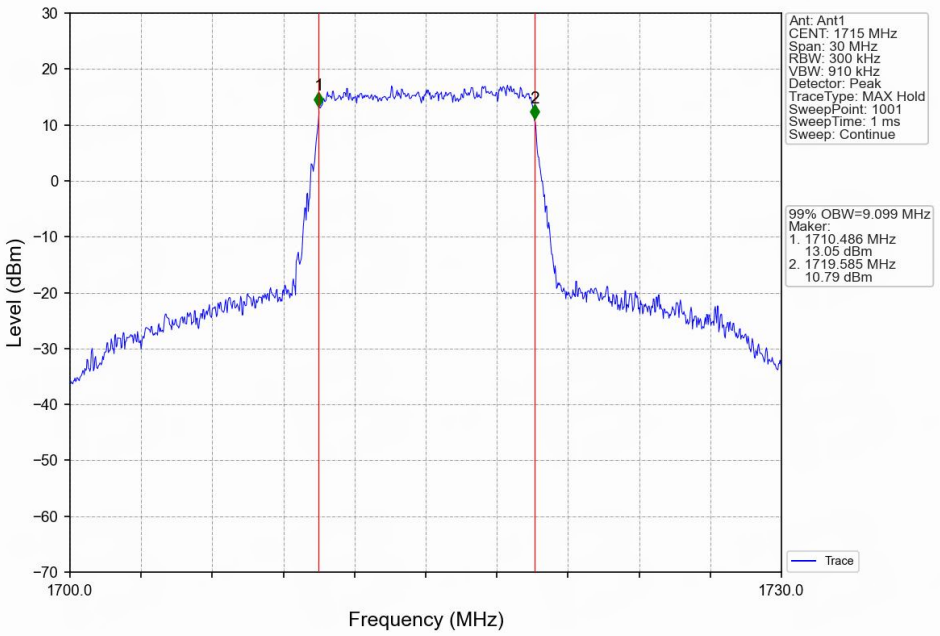
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



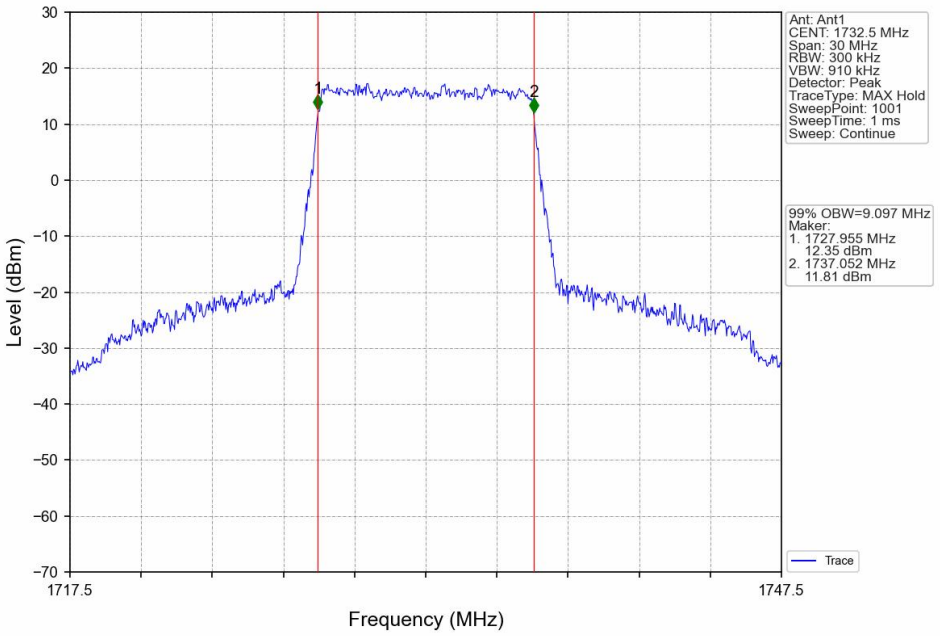
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



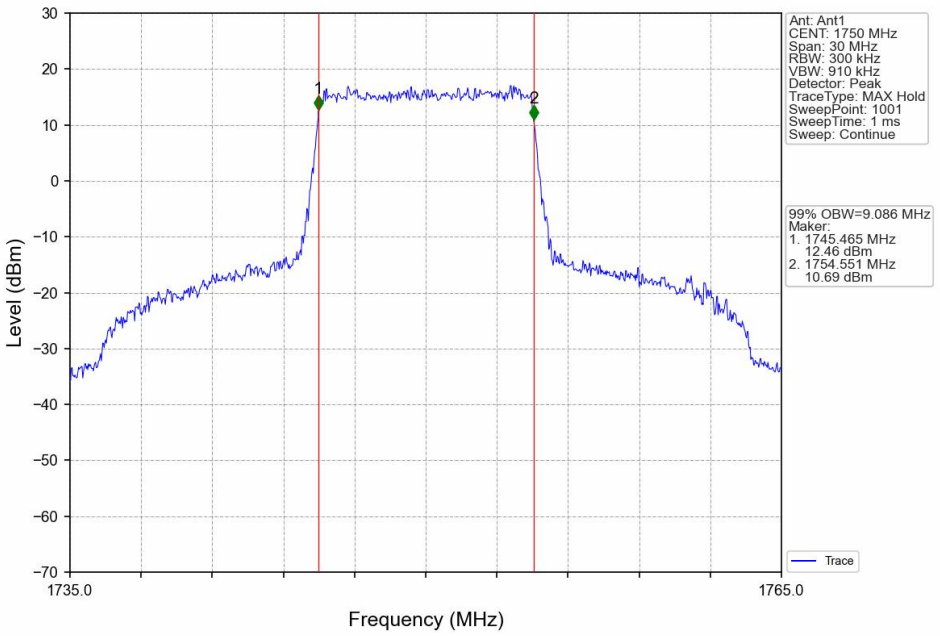
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



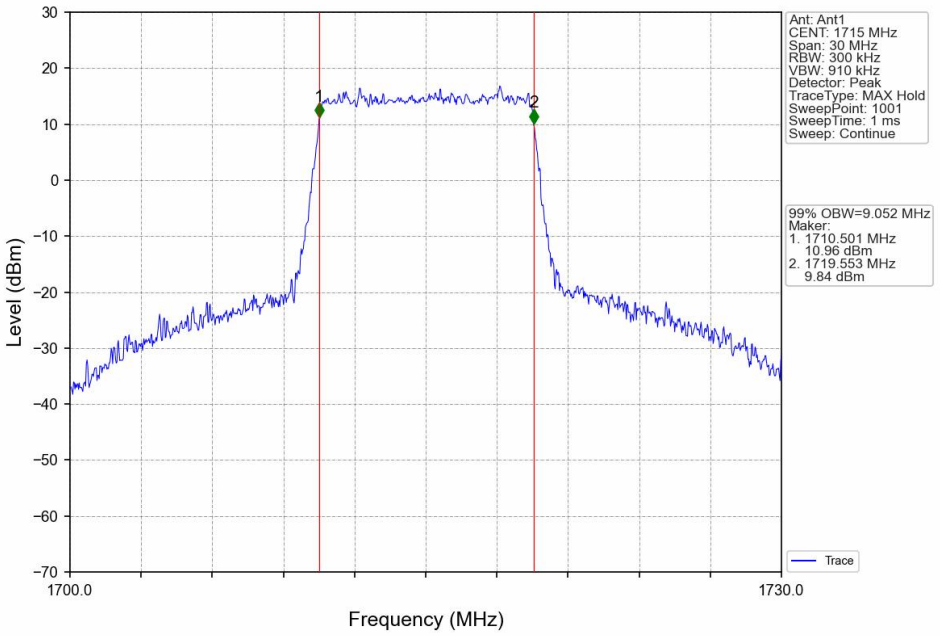
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



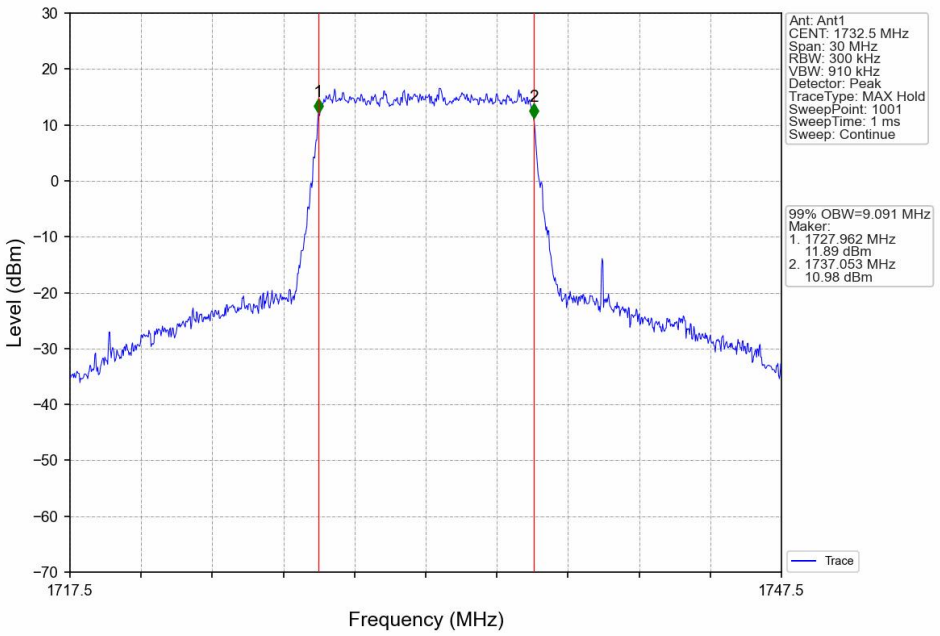
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



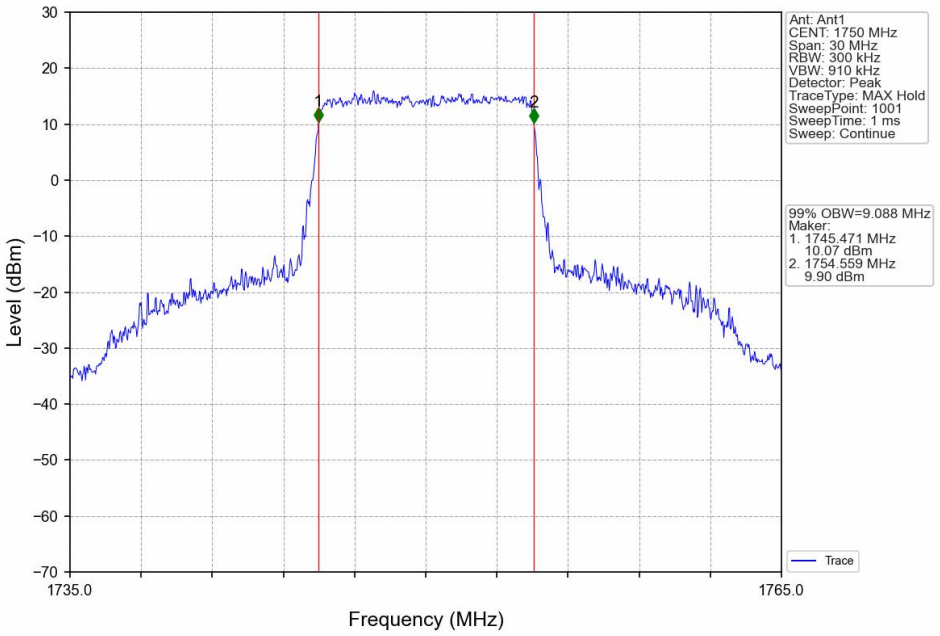
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



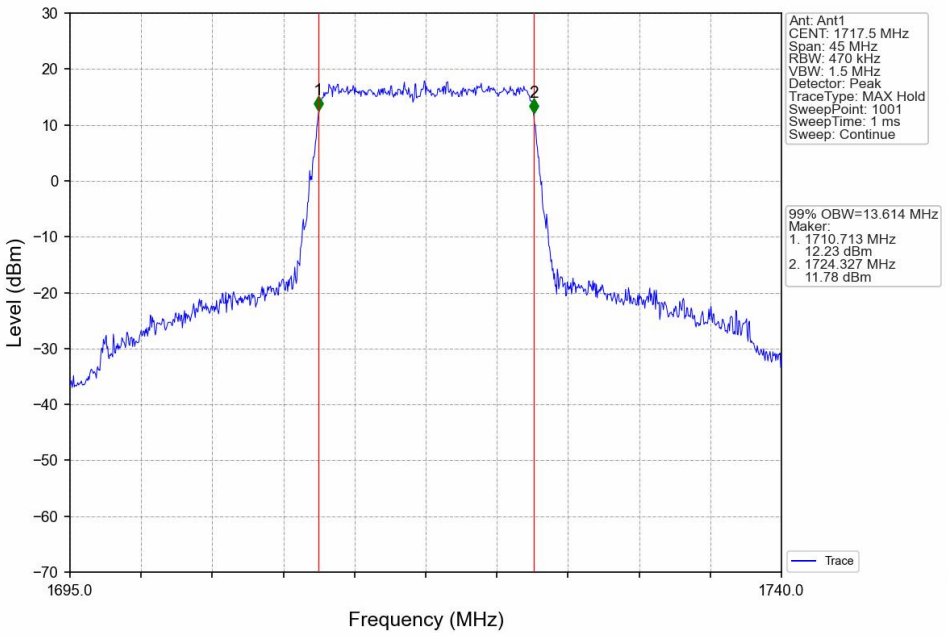
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



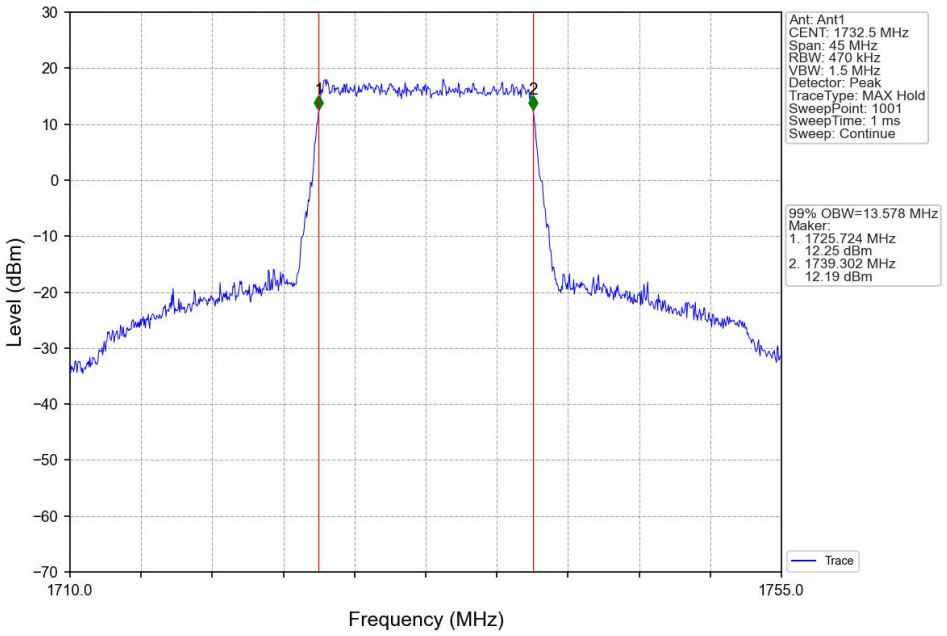
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



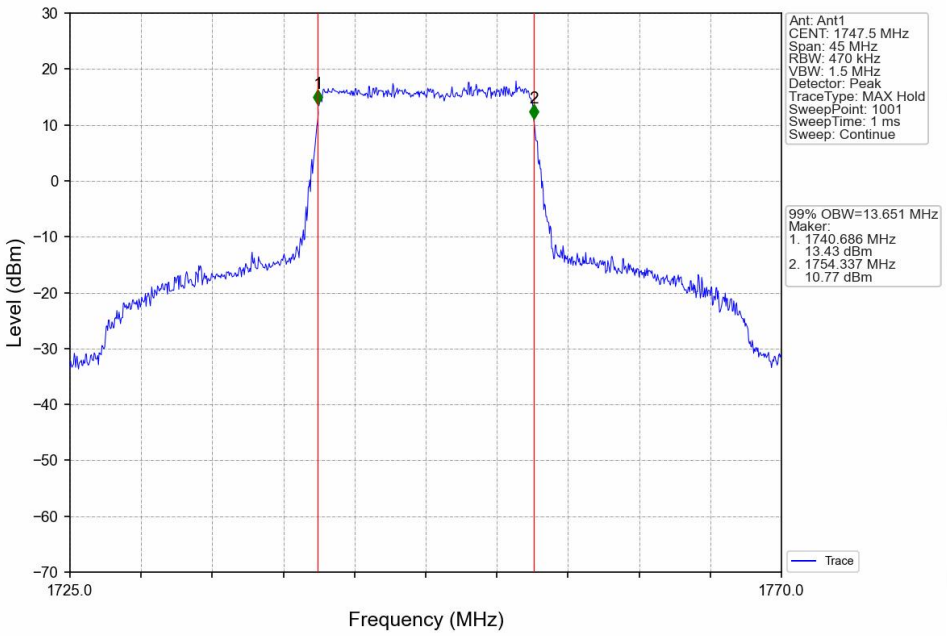
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



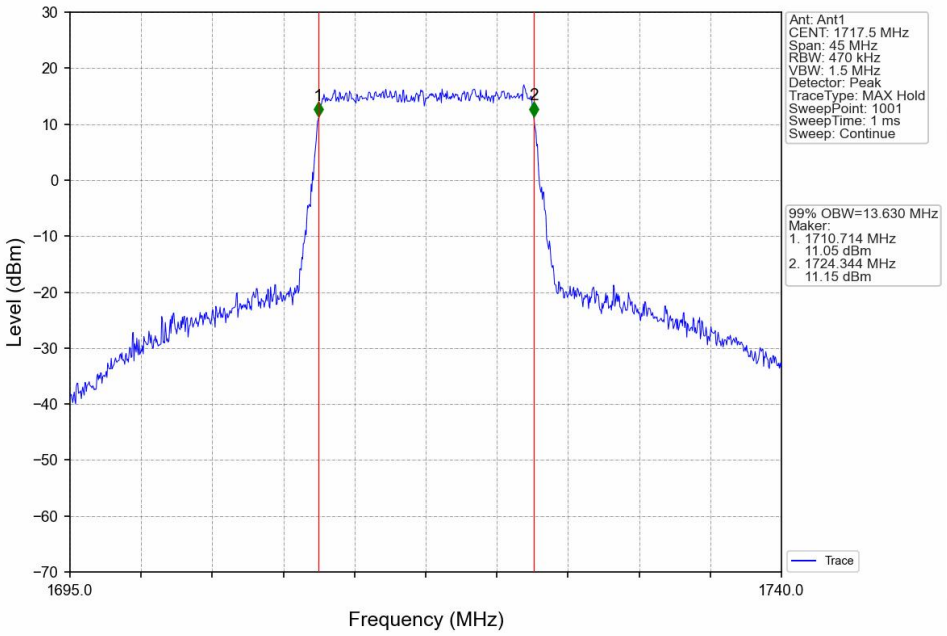
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



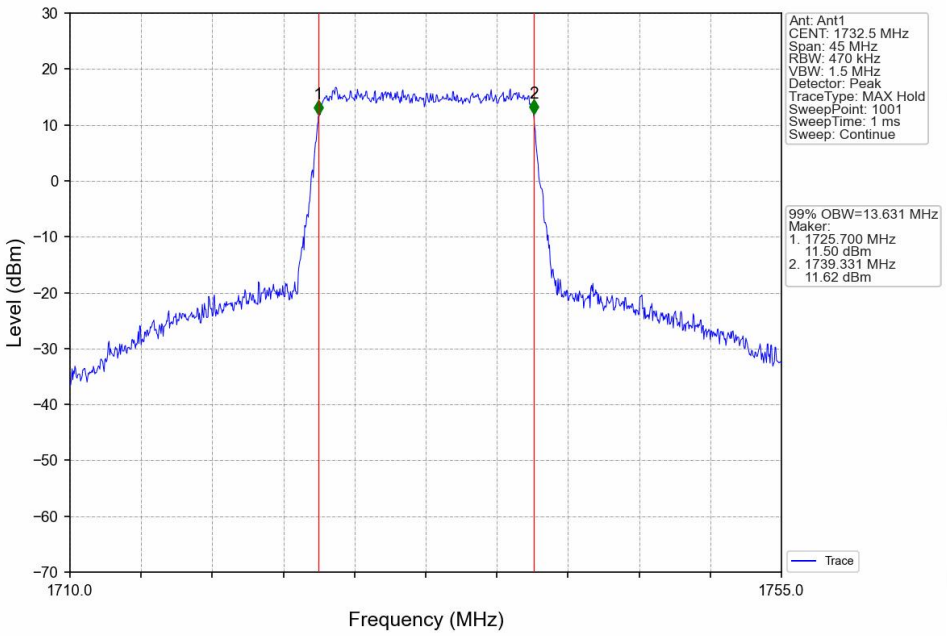
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



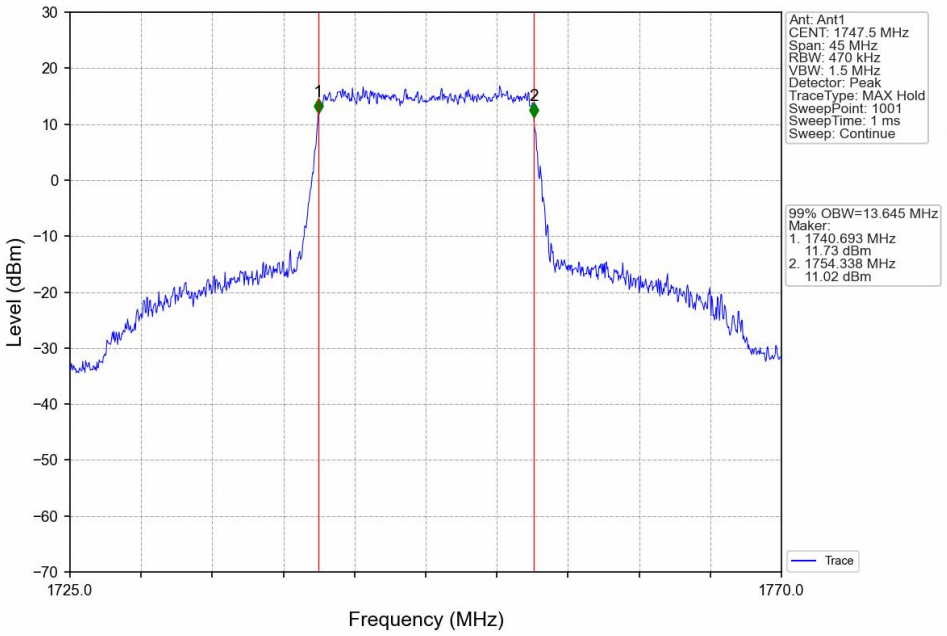
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



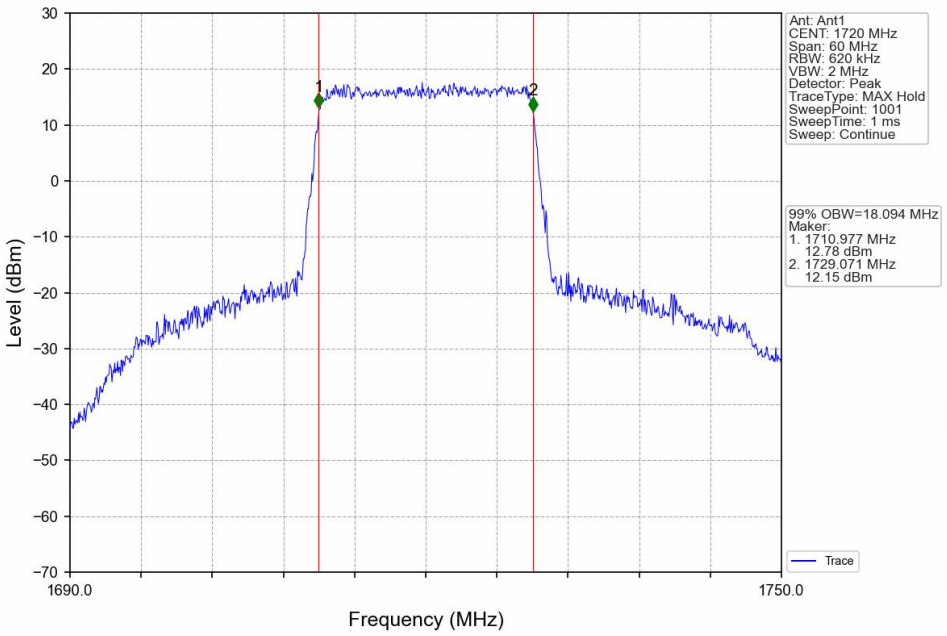
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



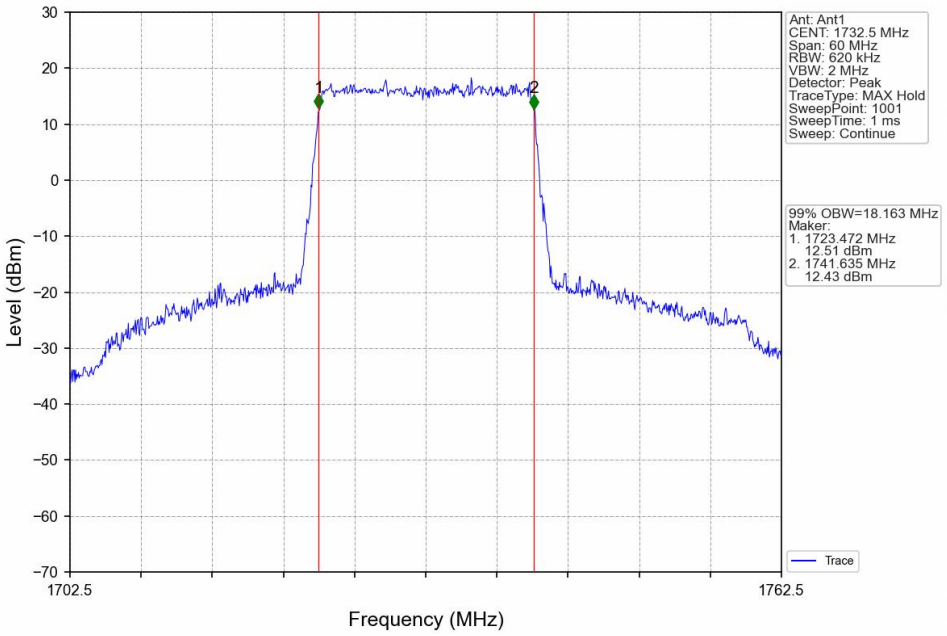
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



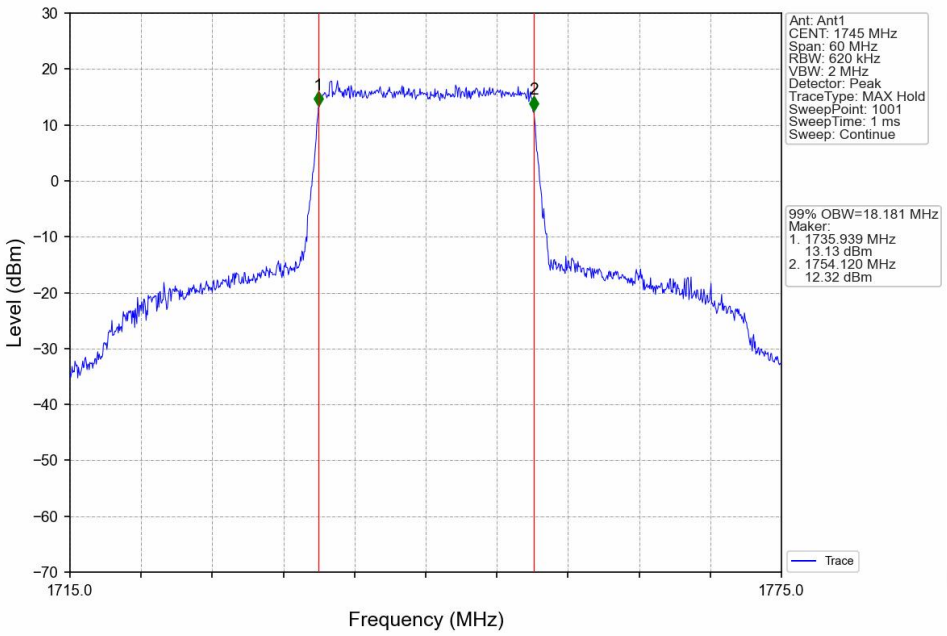
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



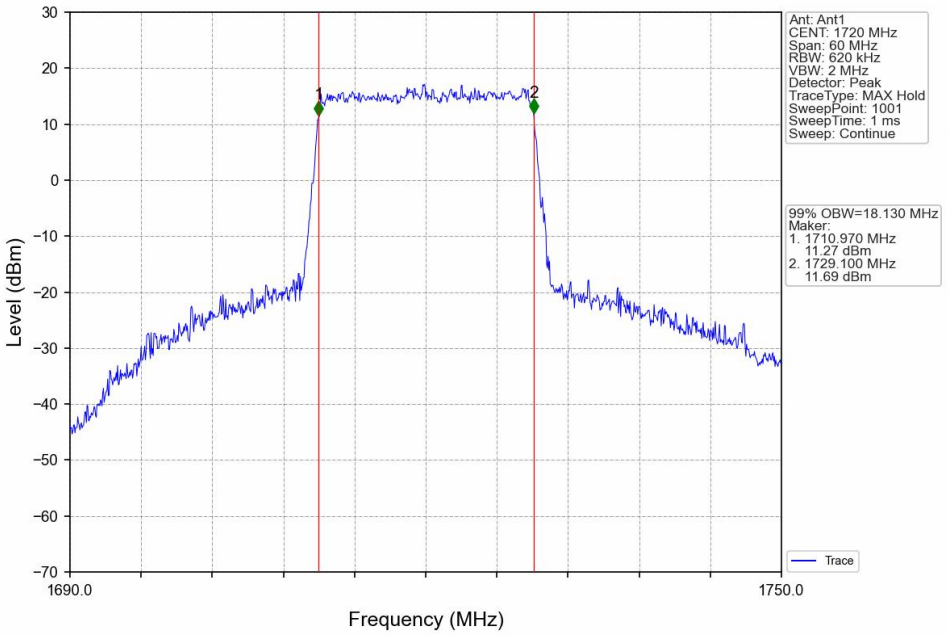
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



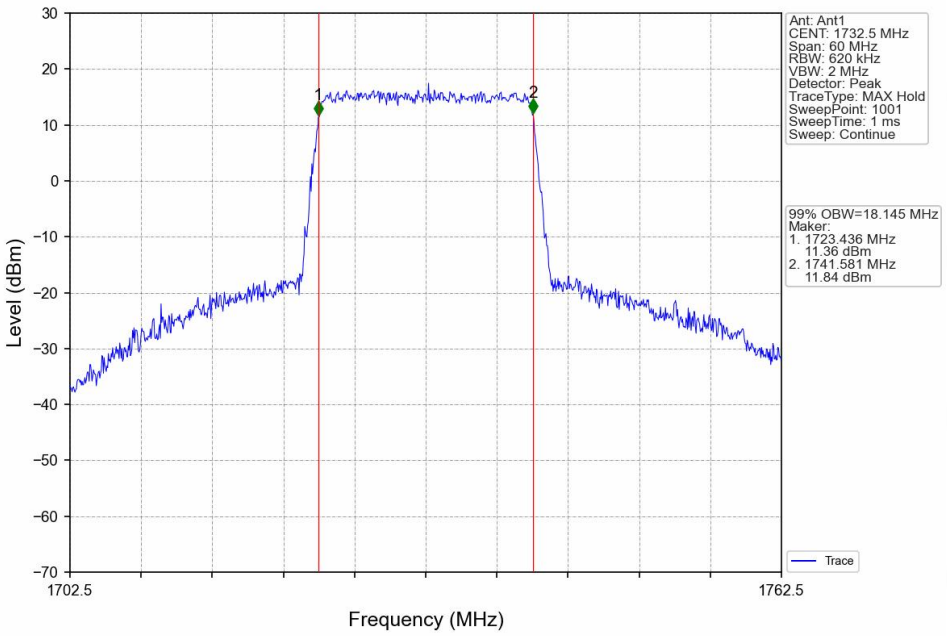
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



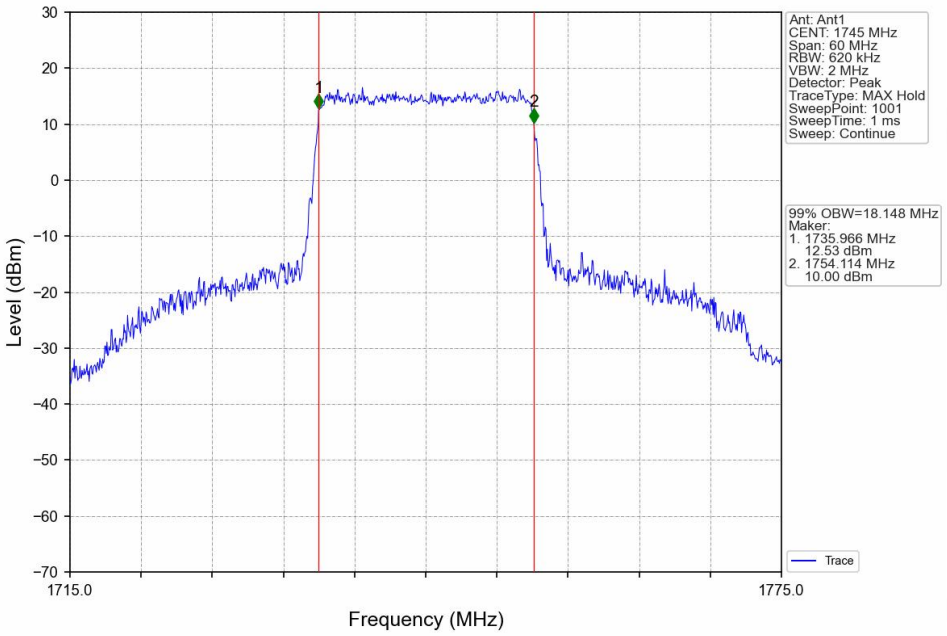
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



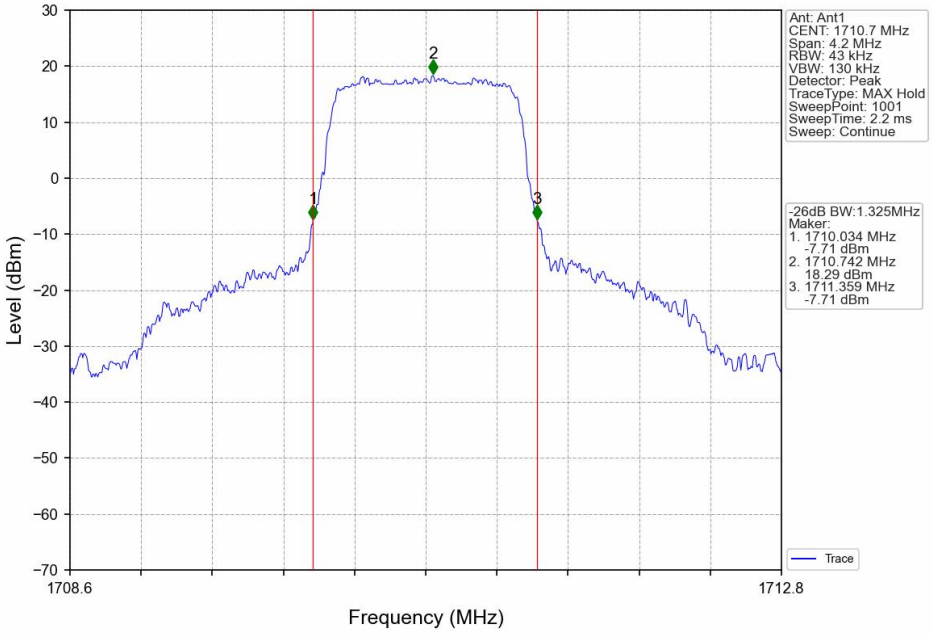
4.2 Band4_XDB

4.2.1 Test Result

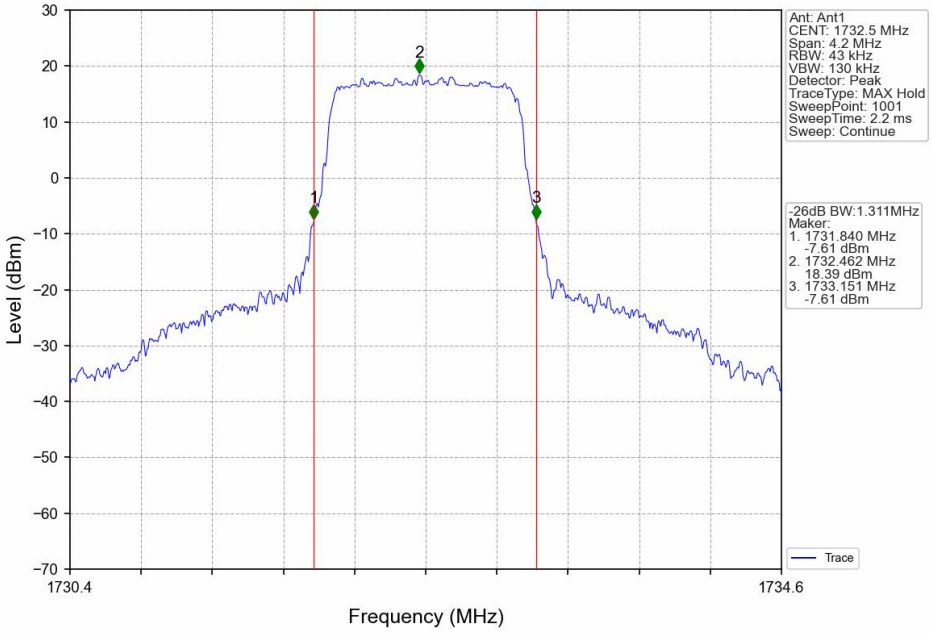
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.325	Pass
		1732.5	6	0	1.311	Pass
		1754.3	6	0	1.342	Pass
	16QAM	1710.7	6	0	1.311	Pass
		1732.5	6	0	1.326	Pass
		1754.3	6	0	1.301	Pass
3	QPSK	1711.5	15	0	3.004	Pass
		1732.5	15	0	3.002	Pass
		1753.5	15	0	3.027	Pass
	16QAM	1711.5	15	0	2.980	Pass
		1732.5	15	0	2.998	Pass
		1753.5	15	0	2.982	Pass
5	QPSK	1712.5	25	0	5.245	Pass
		1732.5	25	0	5.244	Pass
		1752.5	25	0	5.300	Pass
	16QAM	1712.5	25	0	5.247	Pass
		1732.5	25	0	5.247	Pass
		1752.5	25	0	5.325	Pass
10	QPSK	1715	50	0	10.399	Pass
		1732.5	50	0	10.296	Pass
		1750	50	0	10.260	Pass
	16QAM	1715	50	0	10.172	Pass
		1732.5	50	0	10.263	Pass
		1750	50	0	10.397	Pass
15	QPSK	1717.5	75	0	15.495	Pass
		1732.5	75	0	15.385	Pass
		1747.5	75	0	15.510	Pass
	16QAM	1717.5	75	0	15.244	Pass
		1732.5	75	0	15.338	Pass
		1747.5	75	0	15.425	Pass
20	QPSK	1720	100	0	20.318	Pass
		1732.5	100	0	20.177	Pass
		1745	100	0	20.047	Pass
	16QAM	1720	100	0	20.012	Pass
		1732.5	100	0	20.190	Pass
		1745	100	0	20.096	Pass

4.2.2 Test Graph

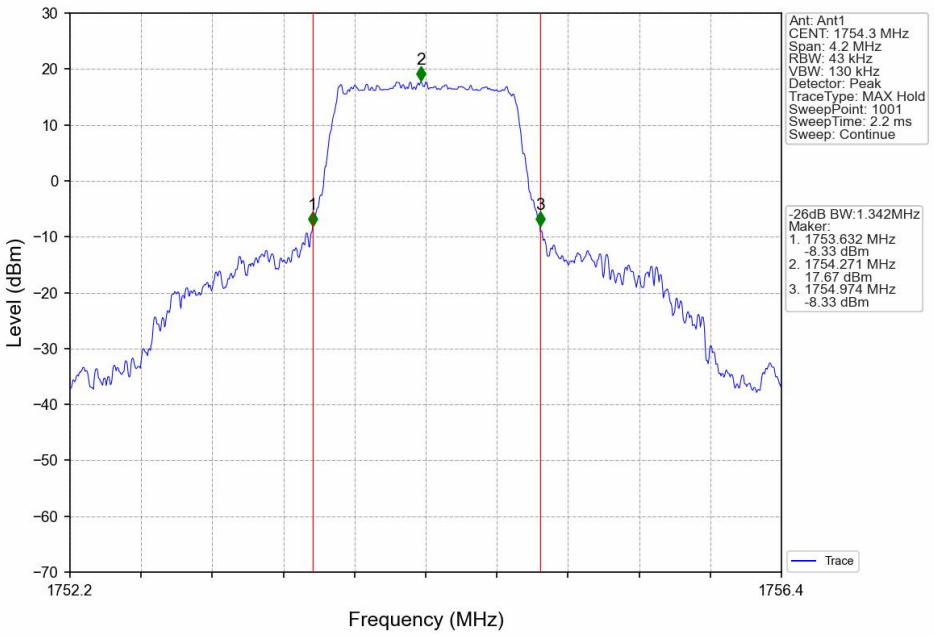
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



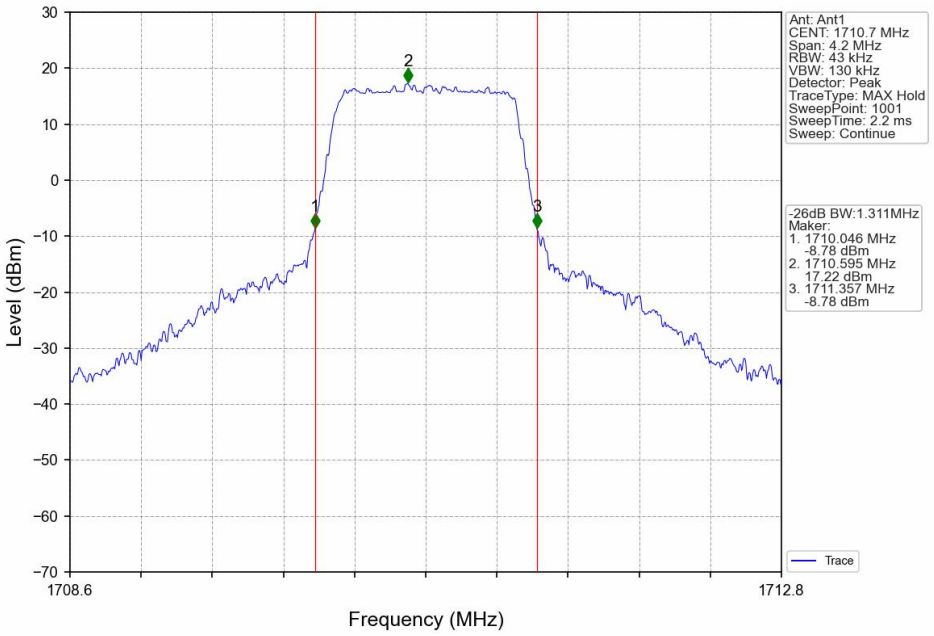
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



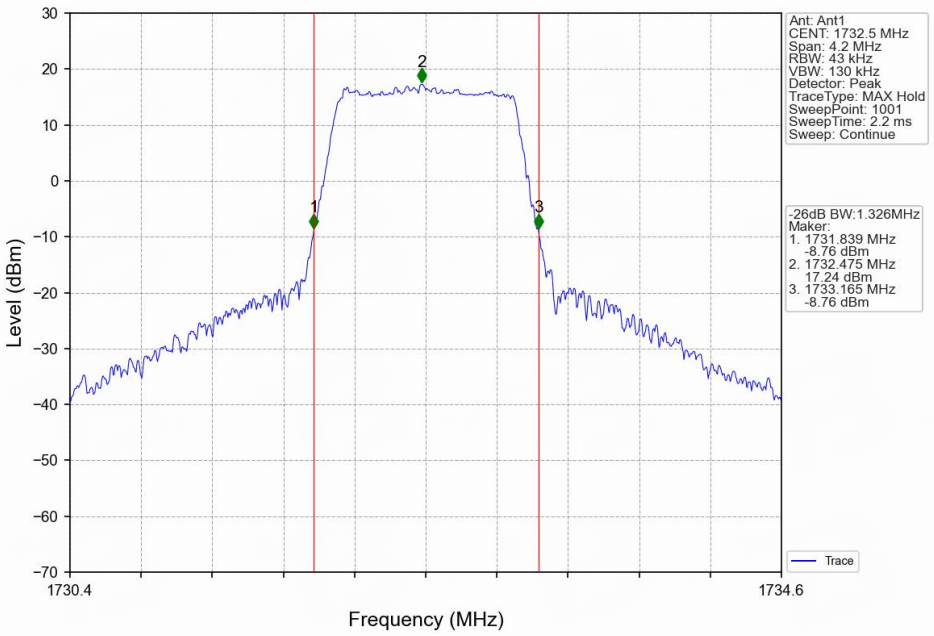
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



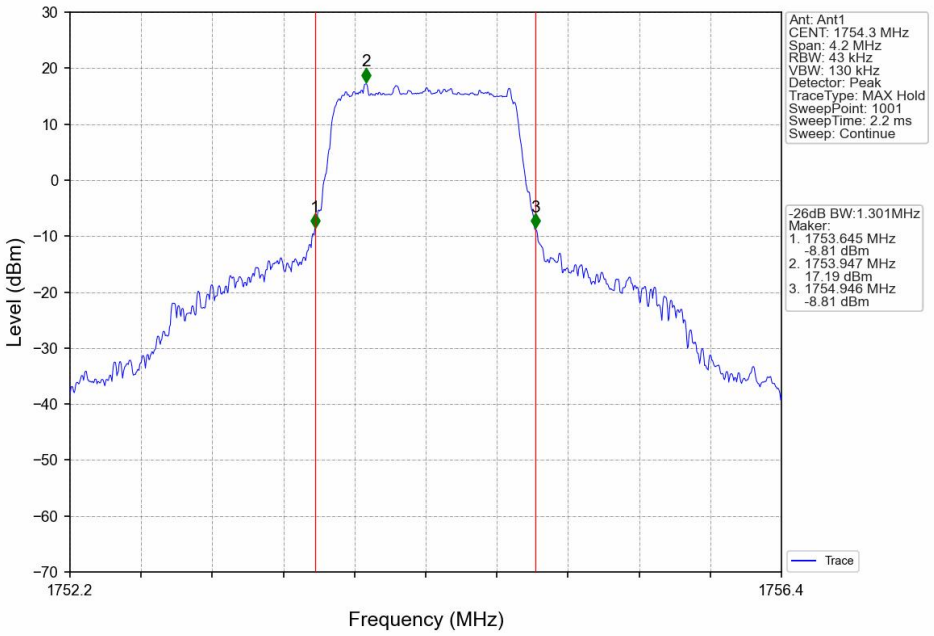
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



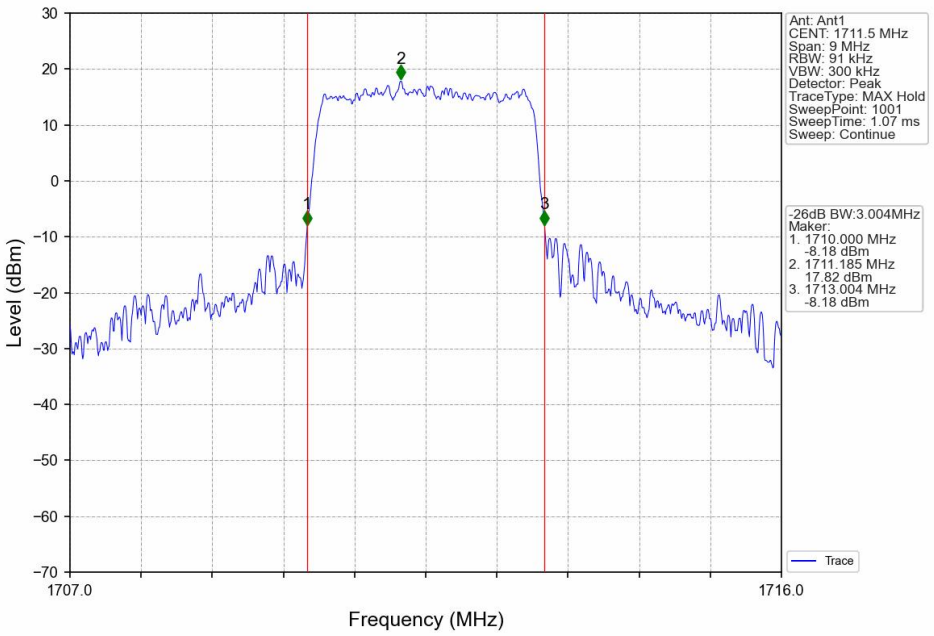
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



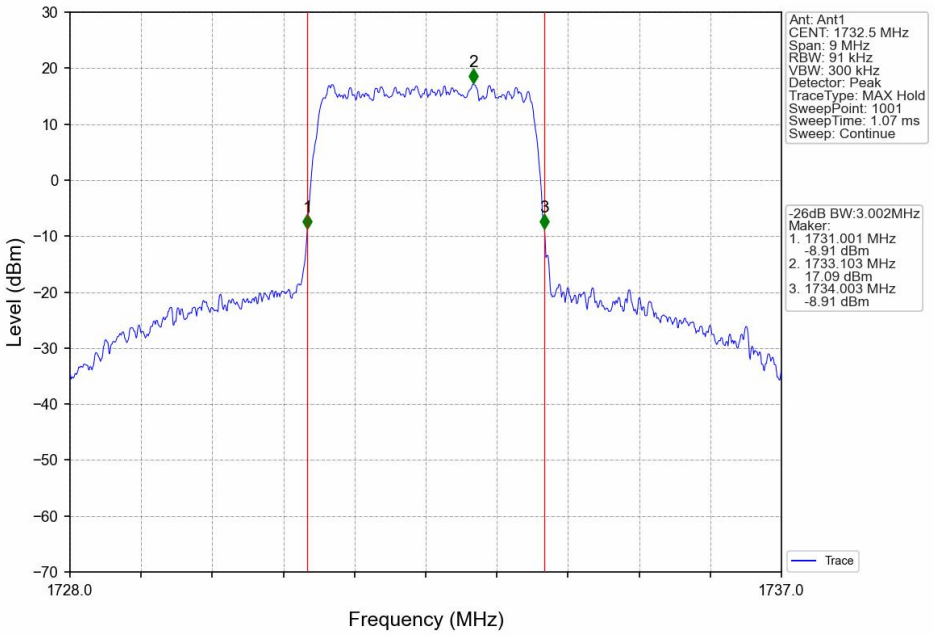
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



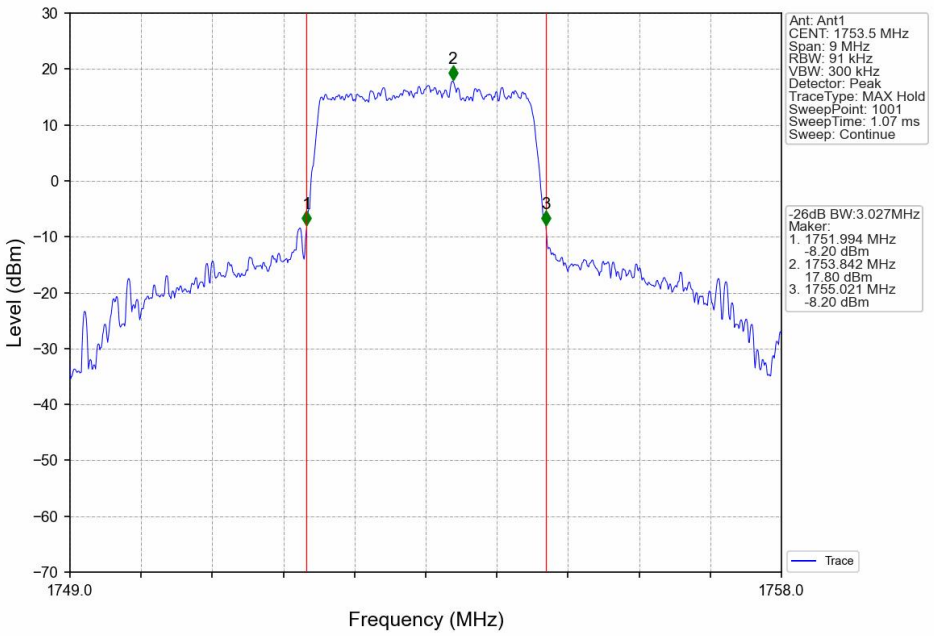
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



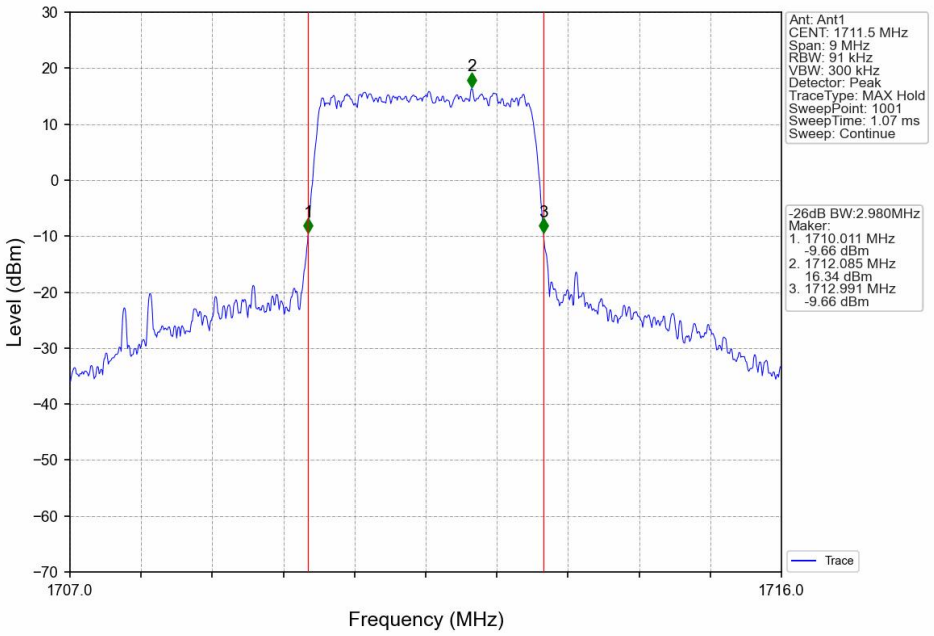
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



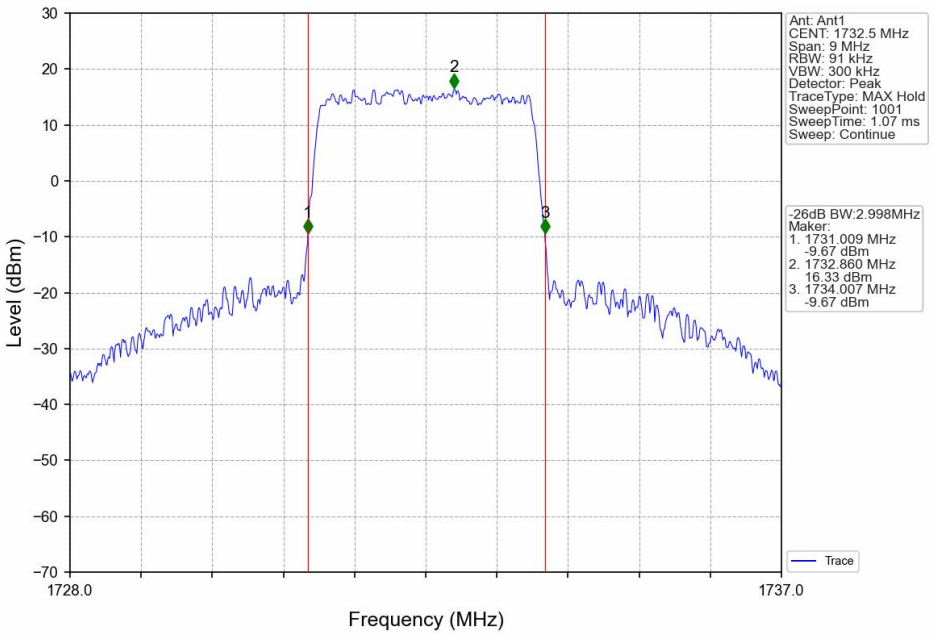
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



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