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	22.94	1.44	24.38	<=30	Pass
			2	22.71	1.44	24.15	<=30	Pass
			5	22.68	1.44	24.12	<=30	Pass
		3	0	22.92	1.44	24.36	<=30	Pass
			2	22.93	1.44	24.37	<=30	Pass
			3	22.91	1.44	24.35	<=30	Pass
		6	0	21.87	1.44	23.31	<=30	Pass
	1732.5	1	0	23.45	1.44	24.89	<=30	Pass
			2	22.90	1.44	24.34	<=30	Pass
			5	22.87	1.44	24.31	<=30	Pass
		3	0	22.95	1.44	24.39	<=30	Pass
			2	22.99	1.44	24.43	<=30	Pass
			3	22.95	1.44	24.39	<=30	Pass
		6	0	22.03	1.44	23.47	<=30	Pass
	1754.3	1	0	22.64	1.44	24.08	<=30	Pass
			2	22.72	1.44	24.16	<=30	Pass
			5	22.69	1.44	24.13	<=30	Pass
		3	0	22.86	1.44	24.3	<=30	Pass
			2	22.88	1.44	24.32	<=30	Pass
			3	22.86	1.44	24.3	<=30	Pass
		6	0	21.88	1.44	23.32	<=30	Pass
16QAM	1710.7	1	0	21.76	1.44	23.2	<=30	Pass
			2	21.83	1.44	23.27	<=30	Pass
			5	21.75	1.44	23.19	<=30	Pass
		3	0	22.16	1.44	23.6	<=30	Pass
			2	22.22	1.44	23.66	<=30	Pass
			3	22.21	1.44	23.65	<=30	Pass
		6	0	21.00	1.44	22.44	<=30	Pass
	1732.5	1	0	21.93	1.44	23.37	<=30	Pass
			2	22.00	1.44	23.44	<=30	Pass
			5	21.91	1.44	23.35	<=30	Pass
		3	0	21.85	1.44	23.29	<=30	Pass
			2	21.86	1.44	23.3	<=30	Pass
			3	21.88	1.44	23.32	<=30	Pass
		6	0	21.04	1.44	22.48	<=30	Pass
	1754.3	1	0	21.65	1.44	23.09	<=30	Pass
			2	21.75	1.44	23.19	<=30	Pass
			5	21.66	1.44	23.1	<=30	Pass
		3	0	22.06	1.44	23.5	<=30	Pass
			2	22.08	1.44	23.52	<=30	Pass
			3	22.09	1.44	23.53	<=30	Pass
		6	0	20.93	1.44	22.37	<=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	22.52	1.44	23.96	<=30	Pass
			7	22.63	1.44	24.07	<=30	Pass
			14	22.56	1.44	24	<=30	Pass
		8	0	21.75	1.44	23.19	<=30	Pass
			4	21.79	1.44	23.23	<=30	Pass
			7	21.74	1.44	23.18	<=30	Pass
		15	0	21.84	1.44	23.28	<=30	Pass
	1732.5	1	0	22.72	1.44	24.16	<=30	Pass
			7	22.84	1.44	24.28	<=30	Pass
			14	22.66	1.44	24.1	<=30	Pass
		8	0	21.88	1.44	23.32	<=30	Pass
			4	21.91	1.44	23.35	<=30	Pass
			7	21.87	1.44	23.31	<=30	Pass
		15	0	21.79	1.44	23.23	<=30	Pass
	1753.5	1	0	22.54	1.44	23.98	<=30	Pass
			7	22.67	1.44	24.11	<=30	Pass
			14	22.54	1.44	23.98	<=30	Pass
		8	0	21.79	1.44	23.23	<=30	Pass
			4	21.82	1.44	23.26	<=30	Pass
			7	21.78	1.44	23.22	<=30	Pass
		15	0	21.81	1.44	23.25	<=30	Pass
16QAM	1711.5	1	0	22.28	1.44	23.72	<=30	Pass
			7	22.36	1.44	23.8	<=30	Pass
			14	22.21	1.44	23.65	<=30	Pass
		8	0	20.99	1.44	22.43	<=30	Pass
			4	21.05	1.44	22.49	<=30	Pass
			7	21.03	1.44	22.47	<=30	Pass
		15	0	20.97	1.44	22.41	<=30	Pass
	1732.5	1	0	21.59	1.44	23.03	<=30	Pass
			7	21.76	1.44	23.2	<=30	Pass
			14	21.61	1.44	23.05	<=30	Pass
		8	0	20.95	1.44	22.39	<=30	Pass
			4	20.95	1.44	22.39	<=30	Pass
			7	20.90	1.44	22.34	<=30	Pass
		15	0	20.87	1.44	22.31	<=30	Pass
	1753.5	1	0	21.75	1.44	23.19	<=30	Pass
			7	21.90	1.44	23.34	<=30	Pass
			14	21.70	1.44	23.14	<=30	Pass
		8	0	20.79	1.44	22.23	<=30	Pass
			4	20.82	1.44	22.26	<=30	Pass
			7	20.75	1.44	22.19	<=30	Pass
		15	0	20.75	1.44	22.19	<=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	RB Allocation	Conducted Power	Gain	EIRP (dBm)	Verdict

	(MHz)	Size	Offset	(dBm)	(dBi)	Result	Limit	
QPSK	1712.5	1	0	22.87	1.44	24.31	<=30	Pass
			13	23.04	1.44	24.48	<=30	Pass
			24	22.92	1.44	24.36	<=30	Pass
		12	0	21.82	1.44	23.26	<=30	Pass
			6	21.93	1.44	23.37	<=30	Pass
			13	21.96	1.44	23.4	<=30	Pass
		25	0	21.89	1.44	23.33	<=30	Pass
	1732.5	1	0	22.90	1.44	24.34	<=30	Pass
			13	23.01	1.44	24.45	<=30	Pass
			24	22.89	1.44	24.33	<=30	Pass
		12	0	21.90	1.44	23.34	<=30	Pass
			6	21.93	1.44	23.37	<=30	Pass
			13	21.89	1.44	23.33	<=30	Pass
		25	0	21.87	1.44	23.31	<=30	Pass
	1752.5	1	0	22.84	1.44	24.28	<=30	Pass
			13	22.96	1.44	24.4	<=30	Pass
			24	22.83	1.44	24.27	<=30	Pass
		12	0	21.82	1.44	23.26	<=30	Pass
			6	21.88	1.44	23.32	<=30	Pass
			13	21.89	1.44	23.33	<=30	Pass
		25	0	21.91	1.44	23.35	<=30	Pass
16QAM	1712.5	1	0	21.99	1.44	23.43	<=30	Pass
			13	22.16	1.44	23.6	<=30	Pass
			24	22.02	1.44	23.46	<=30	Pass
		12	0	20.93	1.44	22.37	<=30	Pass
			6	20.97	1.44	22.41	<=30	Pass
			13	21.01	1.44	22.45	<=30	Pass
		25	0	21.05	1.44	22.49	<=30	Pass
	1732.5	1	0	22.05	1.44	23.49	<=30	Pass
			13	22.17	1.44	23.61	<=30	Pass
			24	22.08	1.44	23.52	<=30	Pass
		12	0	20.90	1.44	22.34	<=30	Pass
			6	20.95	1.44	22.39	<=30	Pass
			13	20.95	1.44	22.39	<=30	Pass
		25	0	20.93	1.44	22.37	<=30	Pass
	1752.5	1	0	21.76	1.44	23.2	<=30	Pass
			13	21.76	1.44	23.2	<=30	Pass
			24	21.66	1.44	23.1	<=30	Pass
		12	0	20.86	1.44	22.3	<=30	Pass
			6	20.94	1.44	22.38	<=30	Pass
			13	20.97	1.44	22.41	<=30	Pass
		25	0	20.99	1.44	22.43	<=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	22.87	1.44	24.31	<=30	Pass
			25	22.93	1.44	24.37	<=30	Pass
			49	22.89	1.44	24.33	<=30	Pass
		25	0	21.80	1.44	23.24	<=30	Pass

			13	22.01	1.44	23.45	<=30	Pass
			25	21.98	1.44	23.42	<=30	Pass
		50	0	21.99	1.44	23.43	<=30	Pass
	1732.5	1	0	23.06	1.44	24.5	<=30	Pass
			25	23.03	1.44	24.47	<=30	Pass
			49	22.97	1.44	24.41	<=30	Pass
		25	0	21.85	1.44	23.29	<=30	Pass
			13	21.94	1.44	23.38	<=30	Pass
			25	21.87	1.44	23.31	<=30	Pass
		50	0	21.91	1.44	23.35	<=30	Pass
	1750	1	0	22.87	1.44	24.31	<=30	Pass
			25	22.93	1.44	24.37	<=30	Pass
			49	22.88	1.44	24.32	<=30	Pass
		25	0	21.83	1.44	23.27	<=30	Pass
			13	21.96	1.44	23.4	<=30	Pass
			25	21.98	1.44	23.42	<=30	Pass
		50	0	21.95	1.44	23.39	<=30	Pass
16QAM	1715	1	0	22.53	1.44	23.97	<=30	Pass
			25	22.59	1.44	24.03	<=30	Pass
			49	22.48	1.44	23.92	<=30	Pass
		25	0	20.97	1.44	22.41	<=30	Pass
			13	21.14	1.44	22.58	<=30	Pass
			25	21.14	1.44	22.58	<=30	Pass
		50	0	21.01	1.44	22.45	<=30	Pass
	1732.5	1	0	21.95	1.44	23.39	<=30	Pass
			25	21.94	1.44	23.38	<=30	Pass
			49	21.97	1.44	23.41	<=30	Pass
		25	0	21.01	1.44	22.45	<=30	Pass
			13	21.07	1.44	22.51	<=30	Pass
			25	21.01	1.44	22.45	<=30	Pass
		50	0	20.96	1.44	22.4	<=30	Pass
	1750	1	0	22.11	1.44	23.55	<=30	Pass
			25	22.14	1.44	23.58	<=30	Pass
			49	22.06	1.44	23.5	<=30	Pass
		25	0	20.98	1.44	22.42	<=30	Pass
			13	21.05	1.44	22.49	<=30	Pass
			25	21.03	1.44	22.47	<=30	Pass
		50	0	21.05	1.44	22.49	<=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	22.80	1.44	24.24	<=30	Pass
			38	22.96	1.44	24.4	<=30	Pass
			74	23.01	1.44	24.45	<=30	Pass
		36	0	21.83	1.44	23.27	<=30	Pass
			18	21.94	1.44	23.38	<=30	Pass
			39	22.01	1.44	23.45	<=30	Pass
		75	0	21.97	1.44	23.41	<=30	Pass
	1732.5	1	0	22.89	1.44	24.33	<=30	Pass
			38	23.02	1.44	24.46	<=30	Pass

			74	22.84	1.44	24.28	<=30	Pass
		36	0	22.04	1.44	23.48	<=30	Pass
			18	22.07	1.44	23.51	<=30	Pass
			39	22.03	1.44	23.47	<=30	Pass
		75	0	22.03	1.44	23.47	<=30	Pass
	1747.5	1	0	22.83	1.44	24.27	<=30	Pass
			38	22.97	1.44	24.41	<=30	Pass
			74	22.81	1.44	24.25	<=30	Pass
		36	0	21.87	1.44	23.31	<=30	Pass
			18	21.94	1.44	23.38	<=30	Pass
			39	21.97	1.44	23.41	<=30	Pass
		75	0	21.97	1.44	23.41	<=30	Pass
16QAM	1717.5	1	0	22.33	1.44	23.77	<=30	Pass
			38	22.46	1.44	23.9	<=30	Pass
			74	22.16	1.44	23.6	<=30	Pass
		36	0	20.87	1.44	22.31	<=30	Pass
			18	20.96	1.44	22.4	<=30	Pass
			39	20.98	1.44	22.42	<=30	Pass
		75	0	20.95	1.44	22.39	<=30	Pass
	1732.5	1	0	22.00	1.44	23.44	<=30	Pass
			38	22.10	1.44	23.54	<=30	Pass
			74	22.11	1.44	23.55	<=30	Pass
		36	0	21.00	1.44	22.44	<=30	Pass
			18	20.99	1.44	22.43	<=30	Pass
			39	20.97	1.44	22.41	<=30	Pass
		75	0	20.97	1.44	22.41	<=30	Pass
	1747.5	1	0	22.45	1.44	23.89	<=30	Pass
			38	22.69	1.44	24.13	<=30	Pass
			74	22.38	1.44	23.82	<=30	Pass
		36	0	20.98	1.44	22.42	<=30	Pass
			18	21.04	1.44	22.48	<=30	Pass
			39	21.01	1.44	22.45	<=30	Pass
		75	0	20.99	1.44	22.43	<=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	23.18	1.44	24.62	<=30	Pass
			50	22.93	1.44	24.37	<=30	Pass
			99	22.91	1.44	24.35	<=30	Pass
		50	0	21.81	1.44	23.25	<=30	Pass
			25	22.04	1.44	23.48	<=30	Pass
			50	21.94	1.44	23.38	<=30	Pass
		100	0	21.87	1.44	23.31	<=30	Pass
	1732.5	1	0	23.32	1.44	24.76	<=30	Pass
			50	22.99	1.44	24.43	<=30	Pass
			99	22.91	1.44	24.35	<=30	Pass
		50	0	21.91	1.44	23.35	<=30	Pass
			25	21.98	1.44	23.42	<=30	Pass
			50	21.93	1.44	23.37	<=30	Pass
		100	0	21.90	1.44	23.34	<=30	Pass

	1745	1	0	23.30	1.44	24.74	<=30	Pass
			50	23.00	1.44	24.44	<=30	Pass
			99	22.80	1.44	24.24	<=30	Pass
		50	0	21.97	1.44	23.41	<=30	Pass
			25	22.05	1.44	23.49	<=30	Pass
			50	22.10	1.44	23.54	<=30	Pass
		100	0	22.03	1.44	23.47	<=30	Pass
16QAM	1720	1	0	22.87	1.44	24.31	<=30	Pass
			50	22.55	1.44	23.99	<=30	Pass
			99	22.29	1.44	23.73	<=30	Pass
		50	0	20.87	1.44	22.31	<=30	Pass
			25	21.03	1.44	22.47	<=30	Pass
			50	20.92	1.44	22.36	<=30	Pass
		100	0	20.92	1.44	22.36	<=30	Pass
	1732.5	1	0	22.40	1.44	23.84	<=30	Pass
			50	22.11	1.44	23.55	<=30	Pass
			99	22.11	1.44	23.55	<=30	Pass
		50	0	20.93	1.44	22.37	<=30	Pass
			25	21.00	1.44	22.44	<=30	Pass
			50	20.96	1.44	22.4	<=30	Pass
		100	0	20.95	1.44	22.39	<=30	Pass
	1745	1	0	22.55	1.44	23.99	<=30	Pass
			50	22.38	1.44	23.82	<=30	Pass
			99	22.10	1.44	23.54	<=30	Pass
		50	0	21.04	1.44	22.48	<=30	Pass
			25	21.09	1.44	22.53	<=30	Pass
			50	21.14	1.44	22.58	<=30	Pass
		100	0	21.11	1.44	22.55	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	0.544	0.0003	-2.5 to 2.5	Pass
					3.85	-6.695	-0.0039	-2.5 to 2.5	Pass
					4.43	12.660	0.0074	-2.5 to 2.5	Pass
				-30	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	2.003	0.0012	-2.5 to 2.5	Pass
				-10	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				0	3.85	9.913	0.0058	-2.5 to 2.5	Pass
				10	3.85	-4.320	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-0.944	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-6.394	-0.0037	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-9.298	-0.0054	-2.5 to 2.5	Pass
					3.85	6.838	0.0039	-2.5 to 2.5	Pass
					4.43	9.055	0.0052	-2.5 to 2.5	Pass
				-30	3.85	8.225	0.0047	-2.5 to 2.5	Pass
				-20	3.85	7.153	0.0041	-2.5 to 2.5	Pass

				-10	3.85	-13.819	-0.0080	-2.5 to 2.5	Pass
				0	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				10	3.85	-2.990	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-9.985	-0.0058	-2.5 to 2.5	Pass
				40	3.85	0.801	0.0005	-2.5 to 2.5	Pass
				50	3.85	2.275	0.0013	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-6.967	-0.0040	-2.5 to 2.5	Pass
					3.85	11.787	0.0067	-2.5 to 2.5	Pass
					4.43	-13.676	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	6.080	0.0035	-2.5 to 2.5	Pass
				-10	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				0	3.85	-11.888	-0.0068	-2.5 to 2.5	Pass
				10	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				30	3.85	-10.371	-0.0059	-2.5 to 2.5	Pass
				40	3.85	14.577	0.0083	-2.5 to 2.5	Pass
				50	3.85	-13.776	-0.0079	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-13.518	-0.0079	-2.5 to 2.5	Pass
					3.85	9.627	0.0056	-2.5 to 2.5	Pass
					4.43	-5.364	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-5.822	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-6.495	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-14.076	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-6.709	-0.0039	-2.5 to 2.5	Pass
				10	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				30	3.85	-40.512	-0.0237	-2.5 to 2.5	Pass
				40	3.85	2.747	0.0016	-2.5 to 2.5	Pass
				50	3.85	-5.279	-0.0031	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	0.129	0.0001	-2.5 to 2.5	Pass
					3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
					4.43	-5.307	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	10.958	0.0063	-2.5 to 2.5	Pass
				-10	3.85	-3.390	-0.0020	-2.5 to 2.5	Pass
				0	3.85	3.619	0.0021	-2.5 to 2.5	Pass
				10	3.85	-13.490	-0.0078	-2.5 to 2.5	Pass
				30	3.85	1.688	0.0010	-2.5 to 2.5	Pass
				40	3.85	7.768	0.0045	-2.5 to 2.5	Pass
				50	3.85	-10.200	-0.0059	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-9.456	-0.0054	-2.5 to 2.5	Pass
					3.85	11.172	0.0064	-2.5 to 2.5	Pass
					4.43	-10.958	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-17.452	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-10.314	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-8.197	-0.0047	-2.5 to 2.5	Pass
				0	3.85	3.405	0.0019	-2.5 to 2.5	Pass
				10	3.85	-6.008	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-4.563	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-10.743	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-9.499	-0.0054	-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	1.717	0.0010	-2.5 to 2.5	Pass
					3.85	-5.107	-0.0030	-2.5 to 2.5	Pass
					4.43	-7.210	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	2.275	0.0013	-2.5 to 2.5	Pass
				-20	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-2.160	-0.0013	-2.5 to 2.5	Pass
				0	3.85	3.433	0.0020	-2.5 to 2.5	Pass
				10	3.85	1.988	0.0012	-2.5 to 2.5	Pass
				30	3.85	4.878	0.0029	-2.5 to 2.5	Pass
				40	3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
				50	3.85	1.802	0.0011	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-6.194	-0.0036	-2.5 to 2.5	Pass
					3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
					4.43	-1.287	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-7.010	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	2.346	0.0014	-2.5 to 2.5	Pass
				-10	3.85	2.904	0.0017	-2.5 to 2.5	Pass
				0	3.85	3.533	0.0020	-2.5 to 2.5	Pass
				10	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				30	3.85	8.969	0.0052	-2.5 to 2.5	Pass
				40	3.85	-10.443	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-10.443	-0.0060	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	6.409	0.0037	-2.5 to 2.5	Pass
					3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
					4.43	4.148	0.0024	-2.5 to 2.5	Pass
				-30	3.85	6.108	0.0035	-2.5 to 2.5	Pass
				-20	3.85	-7.467	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-11.559	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
				30	3.85	16.079	0.0092	-2.5 to 2.5	Pass
				40	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				50	3.85	5.507	0.0031	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	2.160	0.0013	-2.5 to 2.5	Pass
					3.85	2.131	0.0012	-2.5 to 2.5	Pass
					4.43	11.559	0.0068	-2.5 to 2.5	Pass
				-30	3.85	0.701	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-5.293	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-6.351	-0.0037	-2.5 to 2.5	Pass
				0	3.85	1.473	0.0009	-2.5 to 2.5	Pass
				10	3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
				30	3.85	7.453	0.0044	-2.5 to 2.5	Pass
				40	3.85	-2.146	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-3.662	-0.0021	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	7.868	0.0045	-2.5 to 2.5	Pass
					3.85	10.300	0.0059	-2.5 to 2.5	Pass
					4.43	3.948	0.0023	-2.5 to 2.5	Pass
				-30	3.85	4.020	0.0023	-2.5 to 2.5	Pass
				-20	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-11.644	-0.0067	-2.5 to 2.5	Pass
				0	3.85	4.621	0.0027	-2.5 to 2.5	Pass
				10	3.85	7.324	0.0042	-2.5 to 2.5	Pass
				30	3.85	10.571	0.0061	-2.5 to 2.5	Pass
				40	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	3.991	0.0023	-2.5 to 2.5	Pass

					3.85	-2.704	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.302	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	9.141	0.0052	-2.5 to 2.5	Pass
				-20	3.85	-6.251	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-10.014	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-11.988	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-3.934	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-9.928	-0.0057	-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	-3.176	-0.0019	-2.5 to 2.5	Pass
					3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
					4.43	-4.463	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.674	0.0010	-2.5 to 2.5	Pass
				0	3.85	5.965	0.0035	-2.5 to 2.5	Pass
				10	3.85	-4.220	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				40	3.85	2.832	0.0017	-2.5 to 2.5	Pass
				50	3.85	1.259	0.0007	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-6.752	-0.0039	-2.5 to 2.5	Pass
					3.85	6.495	0.0037	-2.5 to 2.5	Pass
					4.43	5.035	0.0029	-2.5 to 2.5	Pass
				-30	3.85	1.559	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				0	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				10	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-1.960	-0.0011	-2.5 to 2.5	Pass
					3.85	3.734	0.0021	-2.5 to 2.5	Pass
					4.43	-0.200	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	6.266	0.0036	-2.5 to 2.5	Pass
				-20	3.85	2.732	0.0016	-2.5 to 2.5	Pass
				-10	3.85	-8.626	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
				10	3.85	7.110	0.0041	-2.5 to 2.5	Pass
				30	3.85	-5.107	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-4.263	-0.0024	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	2.832	0.0017	-2.5 to 2.5	Pass
					3.85	4.306	0.0025	-2.5 to 2.5	Pass
					4.43	0.858	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass

				-10	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				0	3.85	5.937	0.0035	-2.5 to 2.5	Pass
				10	3.85	4.978	0.0029	-2.5 to 2.5	Pass
				30	3.85	-5.264	-0.0031	-2.5 to 2.5	Pass
				40	3.85	2.689	0.0016	-2.5 to 2.5	Pass
				50	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-4.549	-0.0026	-2.5 to 2.5	Pass
					3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
					4.43	-12.932	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-9.198	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	4.063	0.0023	-2.5 to 2.5	Pass
				0	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-5.465	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-4.792	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-13.189	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-2.561	-0.0015	-2.5 to 2.5	Pass
					3.85	-6.166	-0.0035	-2.5 to 2.5	Pass
					4.43	-5.322	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	5.980	0.0034	-2.5 to 2.5	Pass
				-20	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				0	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
				10	3.85	1.287	0.0007	-2.5 to 2.5	Pass
				30	3.85	6.037	0.0034	-2.5 to 2.5	Pass
				40	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	2.446	0.0014	-2.5 to 2.5	Pass
					3.85	6.824	0.0040	-2.5 to 2.5	Pass
					4.43	-1.187	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				-10	3.85	4.220	0.0025	-2.5 to 2.5	Pass
				0	3.85	2.933	0.0017	-2.5 to 2.5	Pass
				10	3.85	1.459	0.0009	-2.5 to 2.5	Pass
				30	3.85	1.130	0.0007	-2.5 to 2.5	Pass
				40	3.85	4.649	0.0027	-2.5 to 2.5	Pass
				50	3.85	4.606	0.0027	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-3.004	-0.0017	-2.5 to 2.5	Pass
					3.85	1.888	0.0011	-2.5 to 2.5	Pass
					4.43	-3.262	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
				10	3.85	5.035	0.0029	-2.5 to 2.5	Pass
				30	3.85	-6.266	-0.0036	-2.5 to 2.5	Pass

				40	3.85	2.418	0.0014	-2.5 to 2.5	Pass
				50	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-2.632	-0.0015	-2.5 to 2.5	Pass
					3.85	-1.659	-0.0009	-2.5 to 2.5	Pass
					4.43	-1.802	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-6.180	-0.0035	-2.5 to 2.5	Pass
				30	3.85	8.082	0.0046	-2.5 to 2.5	Pass
				40	3.85	-6.108	-0.0035	-2.5 to 2.5	Pass
				50	3.85	0.801	0.0005	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	0.801	0.0005	-2.5 to 2.5	Pass
					3.85	4.692	0.0027	-2.5 to 2.5	Pass
					4.43	-0.744	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-3.905	-0.0023	-2.5 to 2.5	Pass
				0	3.85	5.422	0.0032	-2.5 to 2.5	Pass
				10	3.85	4.206	0.0025	-2.5 to 2.5	Pass
				30	3.85	-4.749	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	0.601	0.0003	-2.5 to 2.5	Pass
					3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.415	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	3.676	0.0021	-2.5 to 2.5	Pass
				-20	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				0	3.85	5.264	0.0030	-2.5 to 2.5	Pass
				10	3.85	1.473	0.0009	-2.5 to 2.5	Pass
				30	3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				50	3.85	6.180	0.0036	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-1.488	-0.0009	-2.5 to 2.5	Pass
					3.85	3.290	0.0019	-2.5 to 2.5	Pass
					4.43	3.047	0.0017	-2.5 to 2.5	Pass
				-30	3.85	-3.762	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-2.031	-0.0012	-2.5 to 2.5	Pass

2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	0.043	0.0000	-2.5 to 2.5	Pass
					3.85	-0.629	-0.0004	-2.5 to 2.5	Pass

					4.43	-0.615	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.302	0.0008	-2.5 to 2.5	Pass
				0	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				10	3.85	2.532	0.0015	-2.5 to 2.5	Pass
				30	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				50	3.85	1.159	0.0007	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-0.844	-0.0005	-2.5 to 2.5	Pass
					3.85	0.486	0.0003	-2.5 to 2.5	Pass
					4.43	-3.304	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.988	-0.0011	-2.5 to 2.5	Pass
				10	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				30	3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-2.031	-0.0012	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-0.644	-0.0004	-2.5 to 2.5	Pass
					3.85	0.315	0.0002	-2.5 to 2.5	Pass
					4.43	1.287	0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.001	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-6.294	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				10	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-3.390	-0.0019	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	3.505	0.0020	-2.5 to 2.5	Pass
					3.85	0.701	0.0004	-2.5 to 2.5	Pass
					4.43	-0.715	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-3.176	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	2.990	0.0017	-2.5 to 2.5	Pass
				0	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				40	3.85	1.645	0.0010	-2.5 to 2.5	Pass
				50	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-0.958	-0.0006	-2.5 to 2.5	Pass
					3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
					4.43	-3.777	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				-10	3.85	2.761	0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	4.234	0.0024	-2.5 to 2.5	Pass
					3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.044	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-2.618	-0.0015	-2.5 to 2.5	Pass

				-10	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				0	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
				10	3.85	1.030	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.572	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	0.844	0.0005	-2.5 to 2.5	Pass
					3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
					4.43	0.558	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	2.117	0.0012	-2.5 to 2.5	Pass
				-10	3.85	3.490	0.0020	-2.5 to 2.5	Pass
				0	3.85	3.905	0.0023	-2.5 to 2.5	Pass
				10	3.85	1.888	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.402	0.0008	-2.5 to 2.5	Pass
				40	3.85	2.847	0.0017	-2.5 to 2.5	Pass
				50	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	3.333	0.0019	-2.5 to 2.5	Pass
					3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
					4.43	0.501	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-3.791	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-5.407	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-3.934	-0.0023	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-2.303	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
					4.43	0.472	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				10	3.85	2.933	0.0017	-2.5 to 2.5	Pass
				30	3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
				40	3.85	4.435	0.0025	-2.5 to 2.5	Pass
				50	3.85	2.475	0.0014	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	0.544	0.0003	-2.5 to 2.5	Pass
					3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
					4.43	-1.316	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	2.861	0.0017	-2.5 to 2.5	Pass
				-20	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-7.467	-0.0043	-2.5 to 2.5	Pass
				0	3.85	2.103	0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-3.047	-0.0018	-2.5 to 2.5	Pass

				40	3.85	-2.360	-0.0014	-2.5 to 2.5	Pass
				50	3.85	0.386	0.0002	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-1.144	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
					4.43	-2.704	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	2.918	0.0017	-2.5 to 2.5	Pass
				-20	3.85	3.448	0.0020	-2.5 to 2.5	Pass
				-10	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				40	3.85	2.117	0.0012	-2.5 to 2.5	Pass
				50	3.85	-4.263	-0.0025	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	0.615	0.0004	-2.5 to 2.5	Pass
					3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
					4.43	-0.429	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				-20	3.85	4.578	0.0026	-2.5 to 2.5	Pass
				-10	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				0	3.85	1.931	0.0011	-2.5 to 2.5	Pass
				10	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				40	3.85	8.512	0.0049	-2.5 to 2.5	Pass
				50	3.85	1.659	0.0010	-2.5 to 2.5	Pass

3. Modulation Characteristics

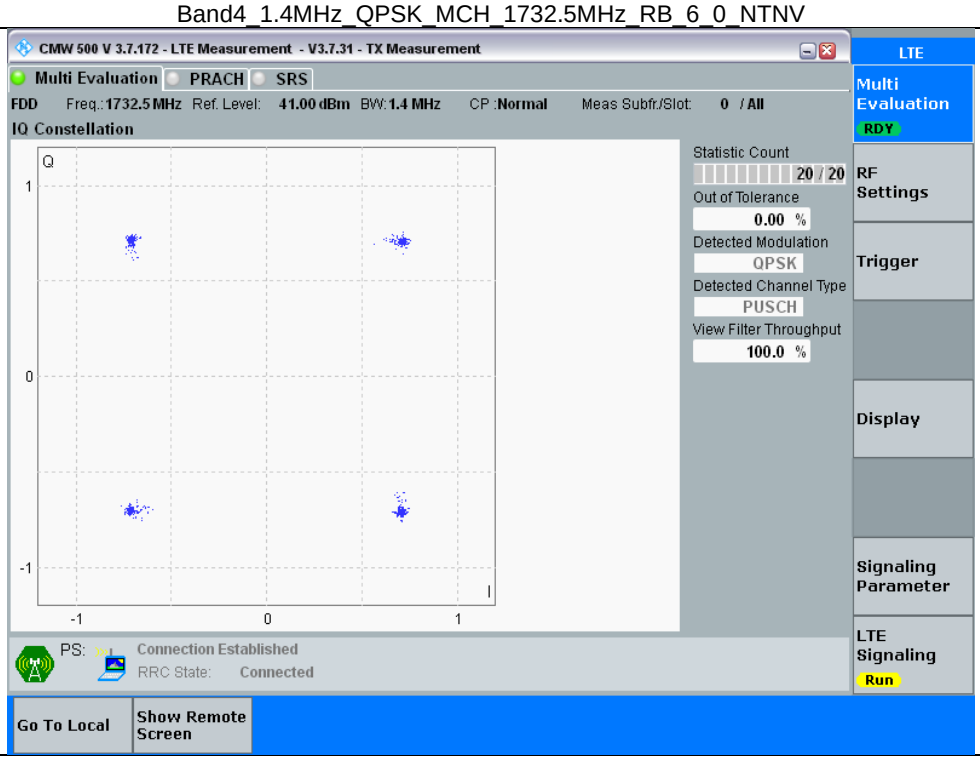
3.1 B4_1.4MHz

3.1.1 Test Result

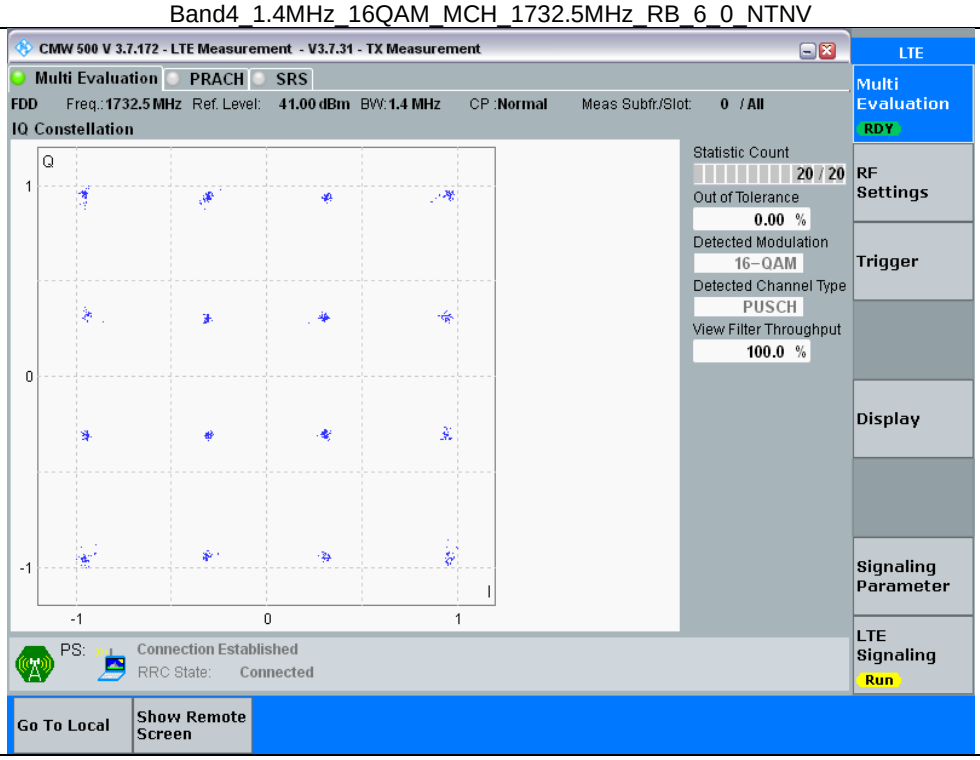
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

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



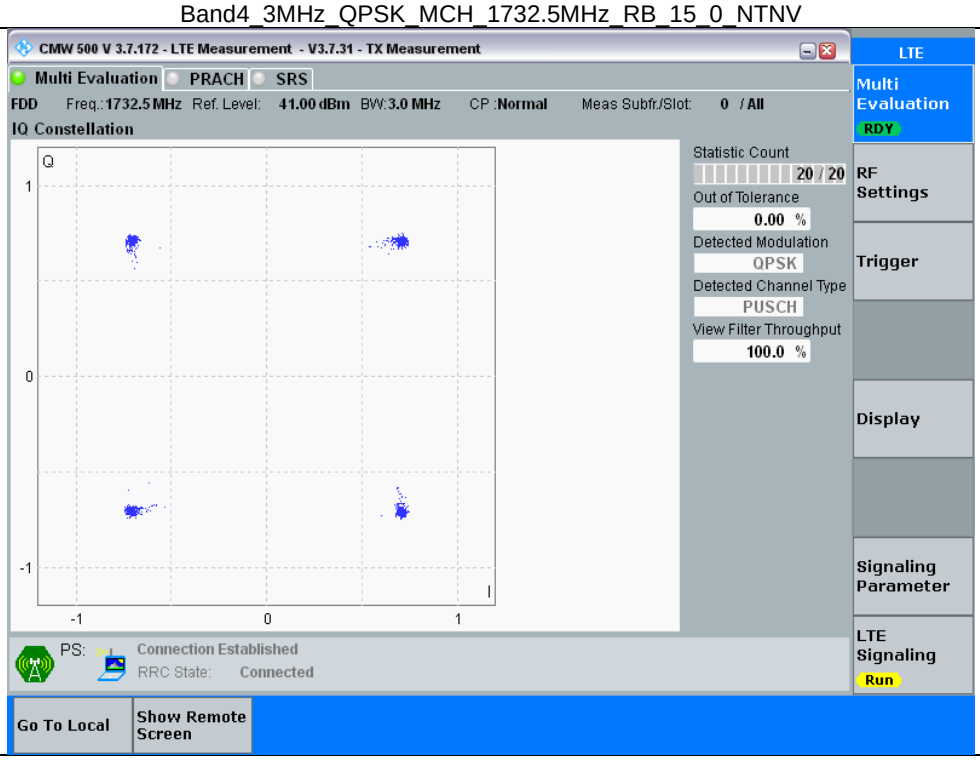
3.2 B4_3MHz

3.2.1 Test Result

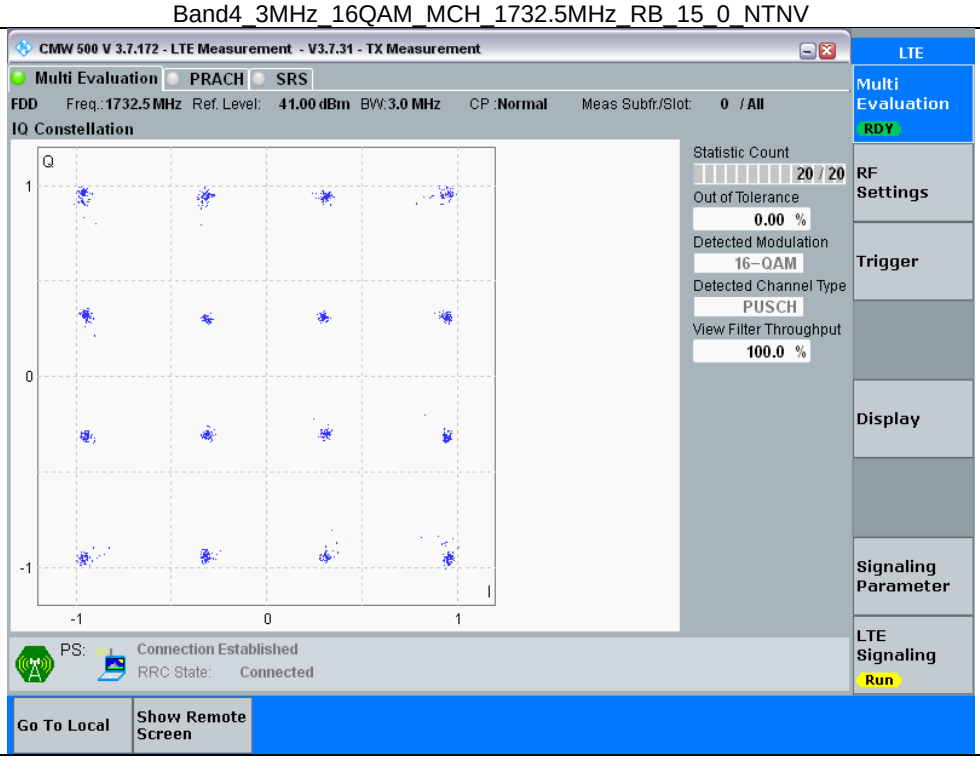
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

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



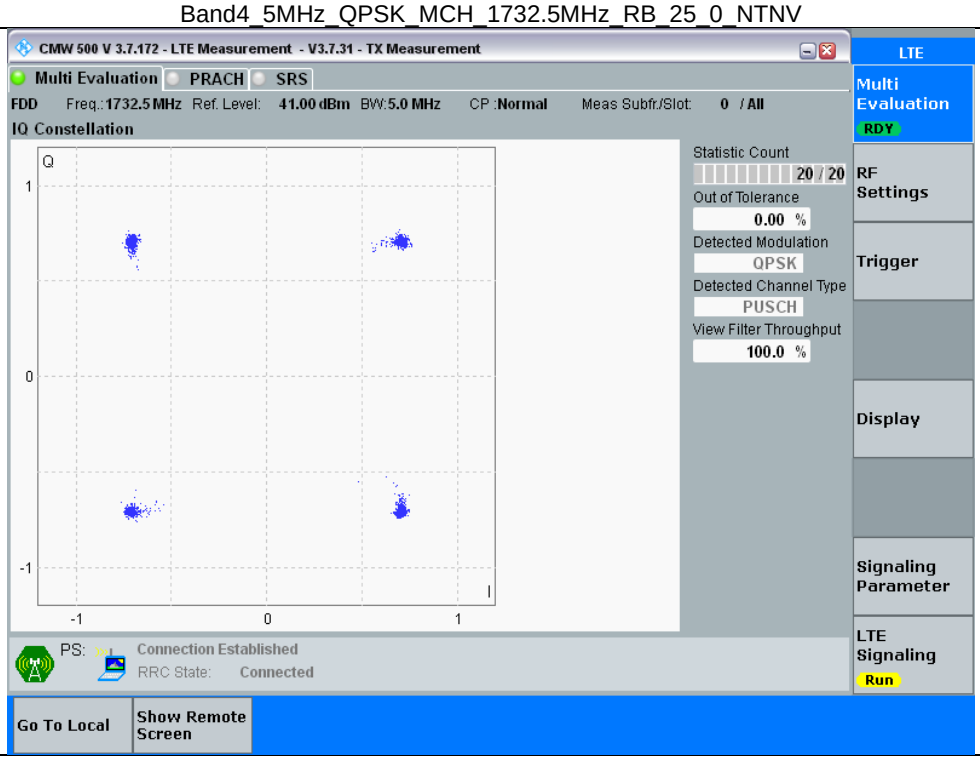
3.3 B4_5MHz

3.3.1 Test Result

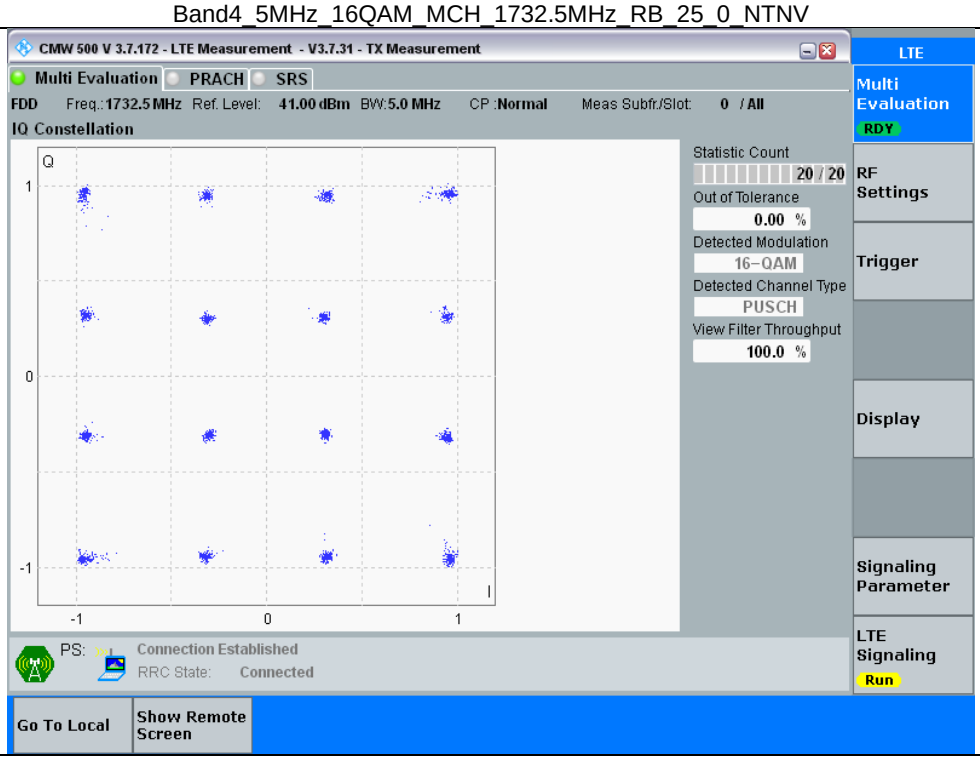
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

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



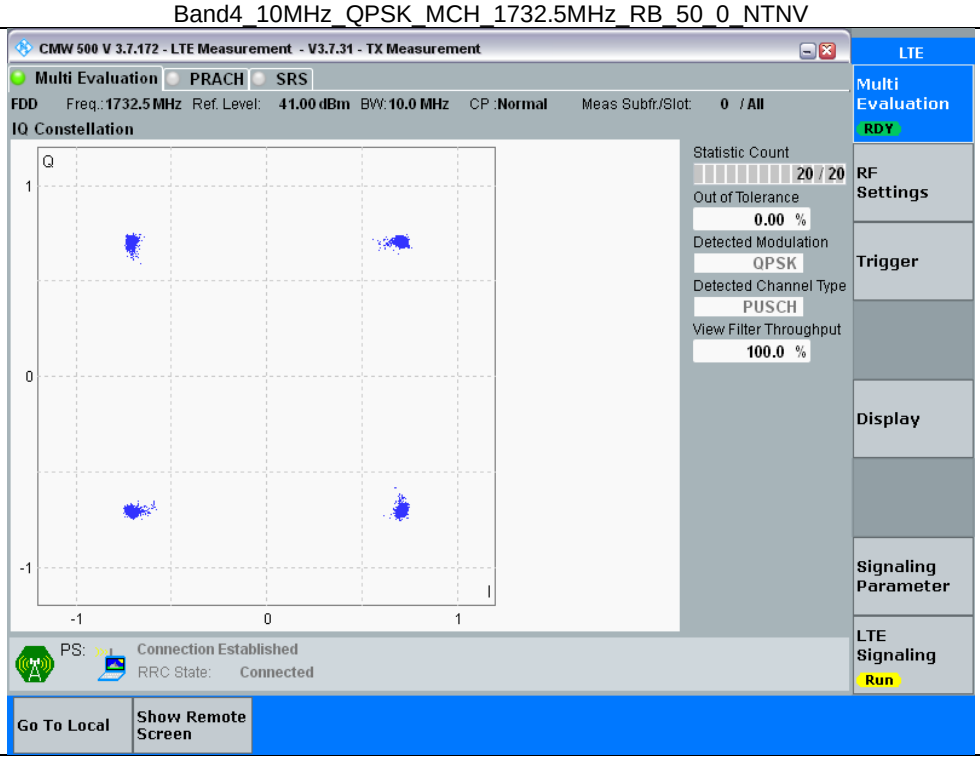
3.4 B4_10MHz

3.4.1 Test Result

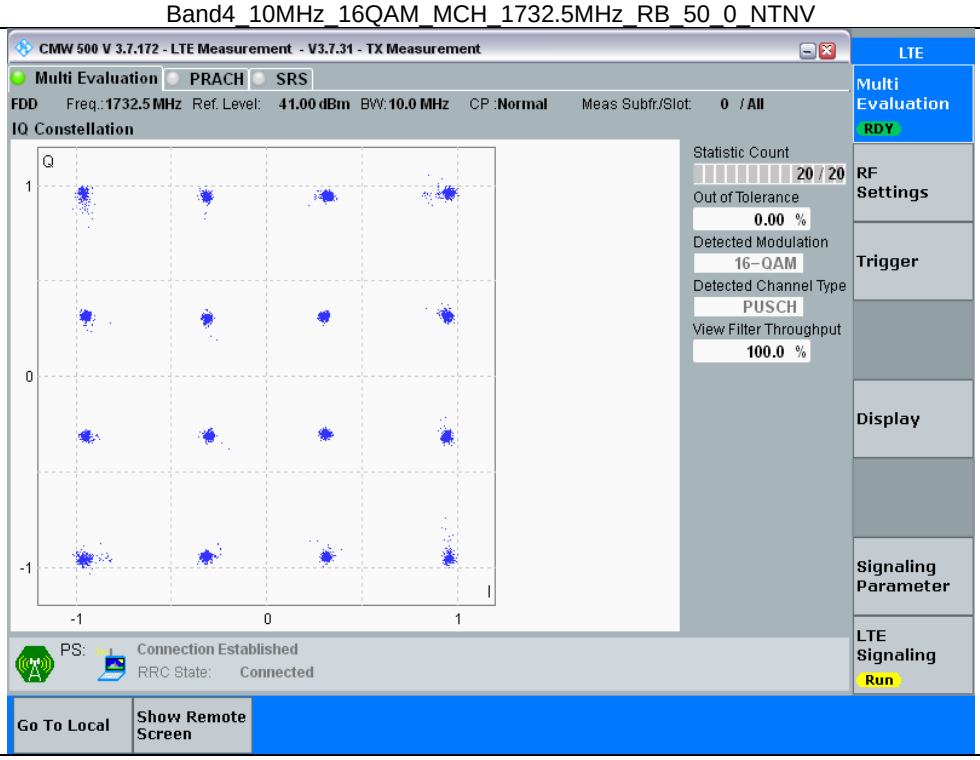
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

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



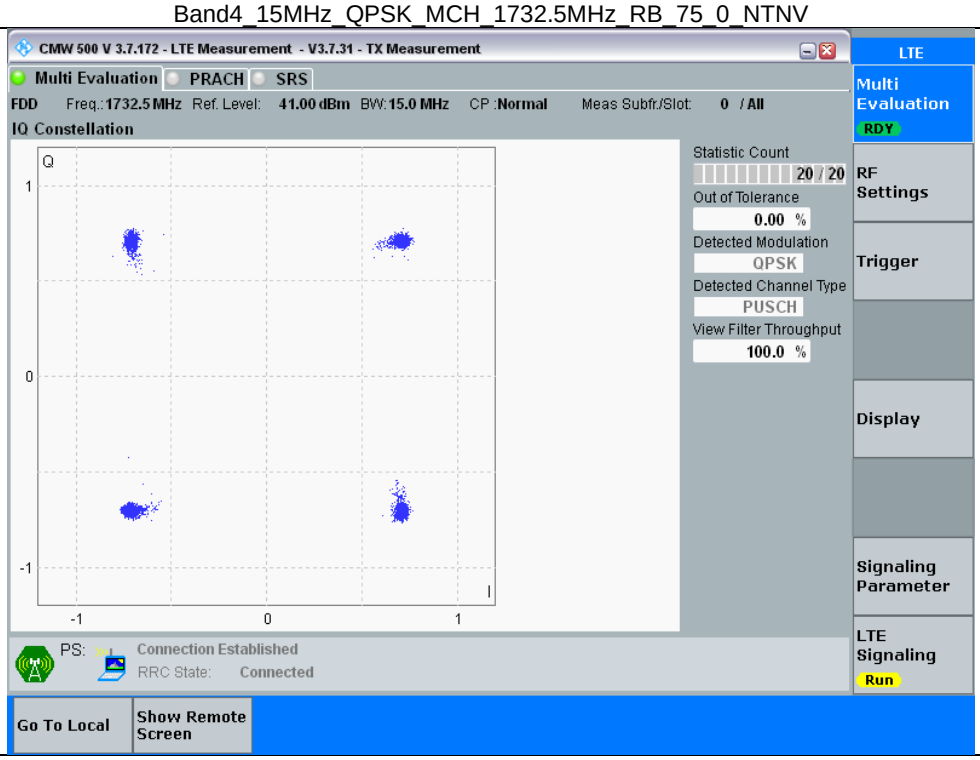
3.5 B4_15MHz

3.5.1 Test Result

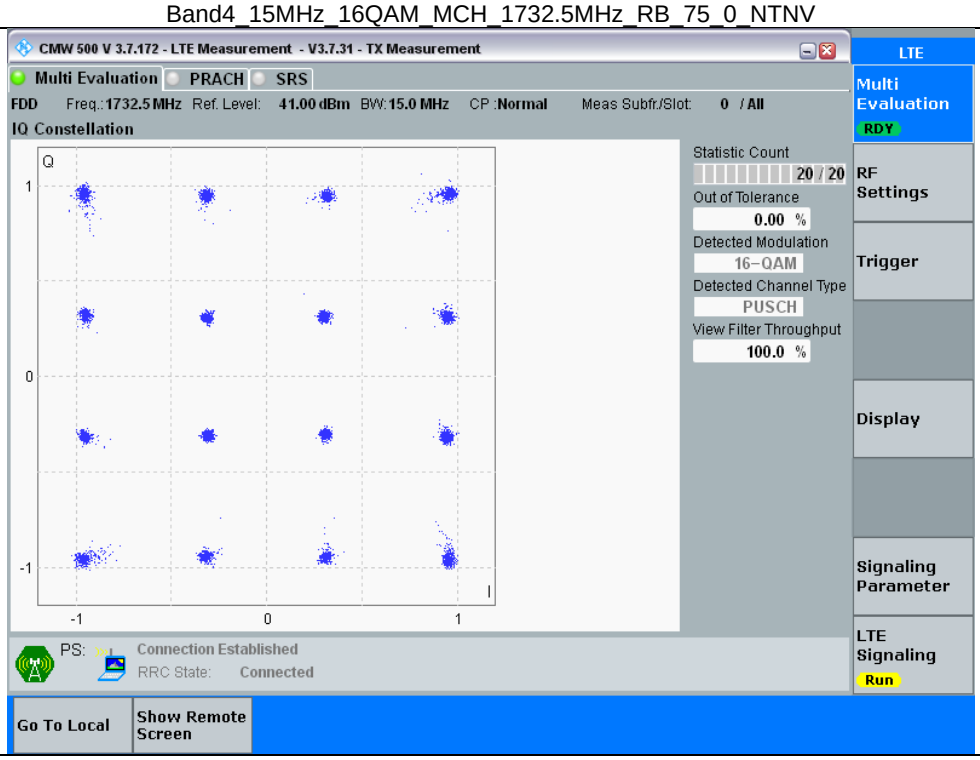
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

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



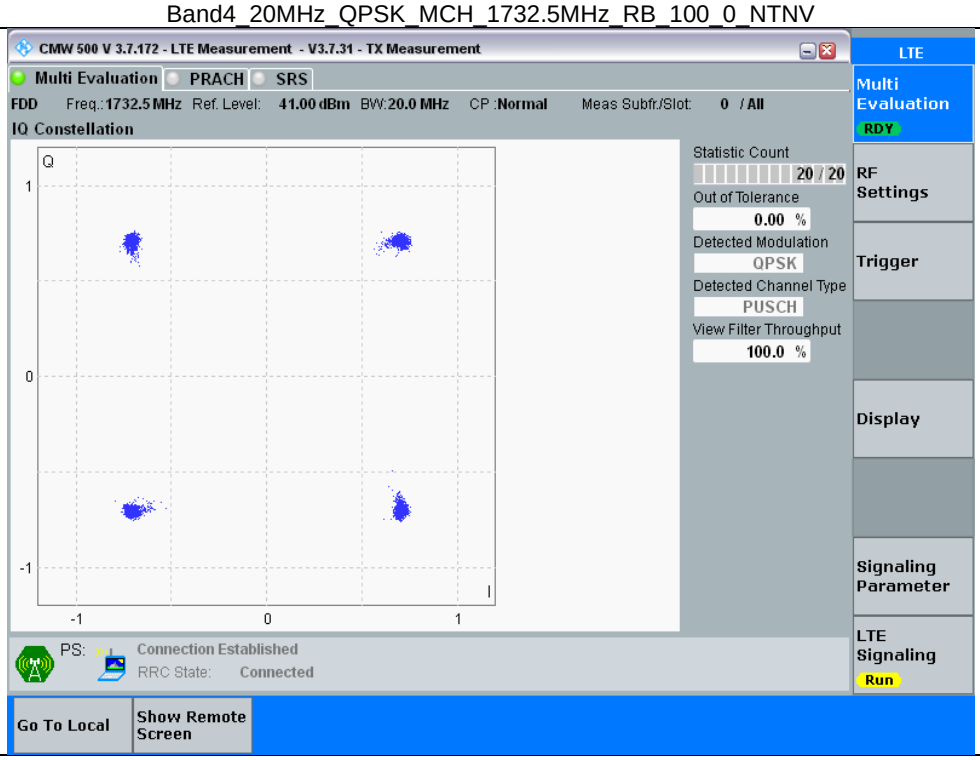
3.6 B4_20MHz

3.6.1 Test Result

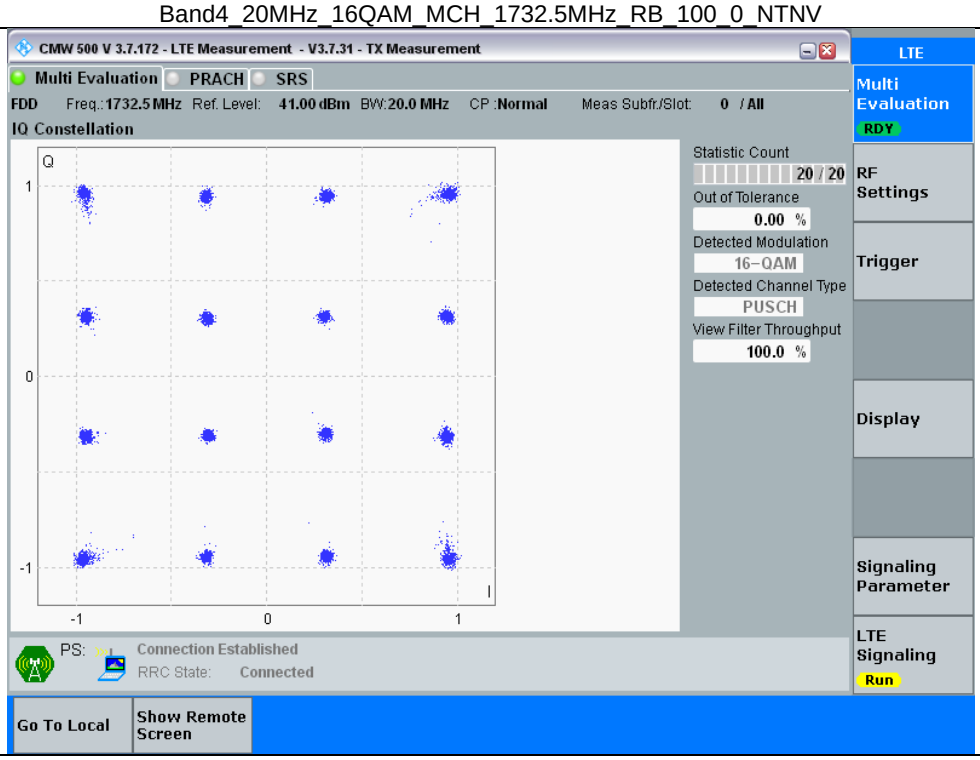
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

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

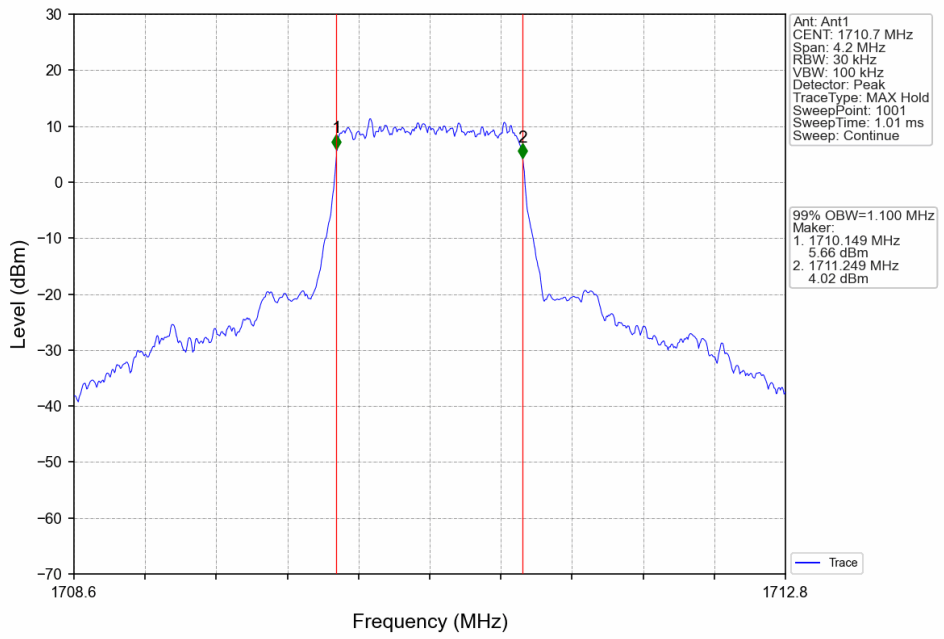
4.1 Band4_OBW

4.1.1 Test Result

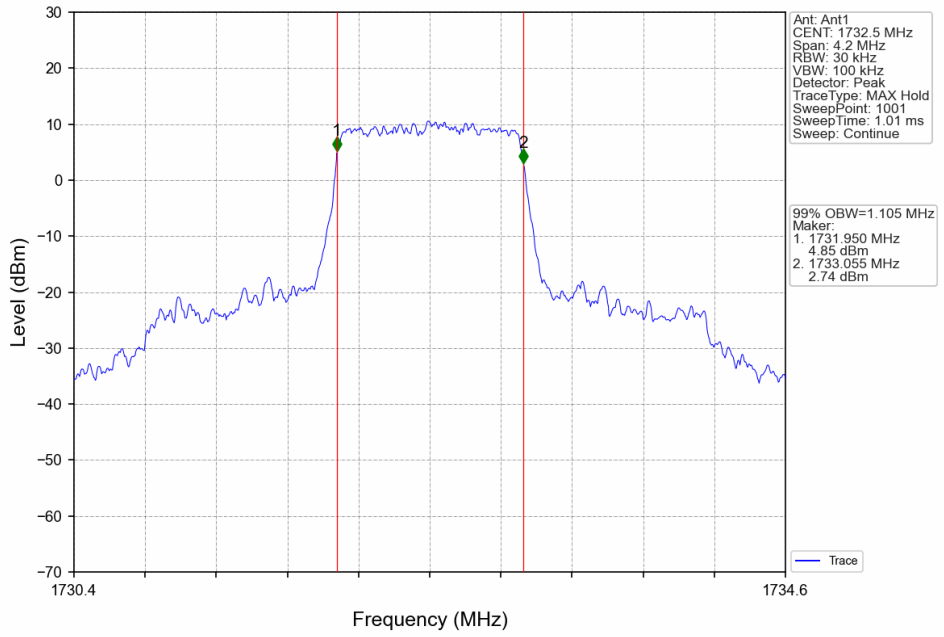
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.100	/	Pass
		1732.5	6	0	1.105	/	Pass
		1754.3	6	0	1.096	/	Pass
	16QAM	1710.7	6	0	1.103	/	Pass
		1732.5	6	0	1.097	/	Pass
		1754.3	6	0	1.103	/	Pass
3	QPSK	1711.5	15	0	2.726	/	Pass
		1732.5	15	0	2.758	/	Pass
		1753.5	15	0	2.730	/	Pass
	16QAM	1711.5	15	0	2.733	/	Pass
		1732.5	15	0	2.732	/	Pass
		1753.5	15	0	2.729	/	Pass
5	QPSK	1712.5	25	0	4.539	/	Pass
		1732.5	25	0	4.523	/	Pass
		1752.5	25	0	4.512	/	Pass
	16QAM	1712.5	25	0	4.517	/	Pass
		1732.5	25	0	4.520	/	Pass
		1752.5	25	0	4.539	/	Pass
10	QPSK	1715	50	0	9.007	/	Pass
		1732.5	50	0	8.991	/	Pass
		1750	50	0	8.986	/	Pass
	16QAM	1715	50	0	9.010	/	Pass
		1732.5	50	0	8.987	/	Pass
		1750	50	0	8.978	/	Pass
15	QPSK	1717.5	75	0	13.460	/	Pass
		1732.5	75	0	13.533	/	Pass
		1747.5	75	0	13.509	/	Pass
	16QAM	1717.5	75	0	13.480	/	Pass
		1732.5	75	0	13.489	/	Pass
		1747.5	75	0	13.515	/	Pass
20	QPSK	1720	100	0	18.002	/	Pass
		1732.5	100	0	18.054	/	Pass
		1745	100	0	18.053	/	Pass
	16QAM	1720	100	0	18.061	/	Pass
		1732.5	100	0	18.073	/	Pass
		1745	100	0	18.059	/	Pass

4.1.2 Test Graph

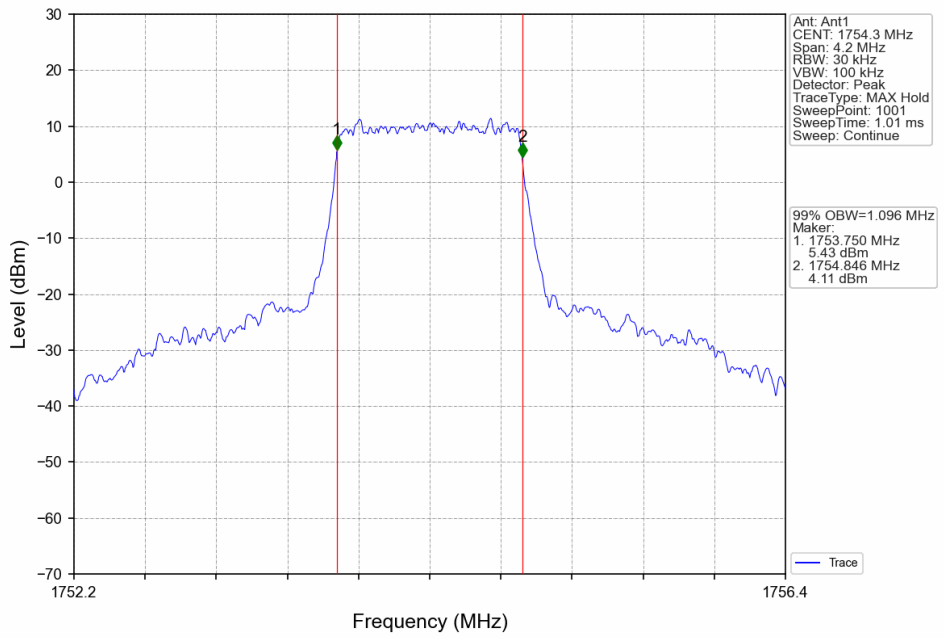
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



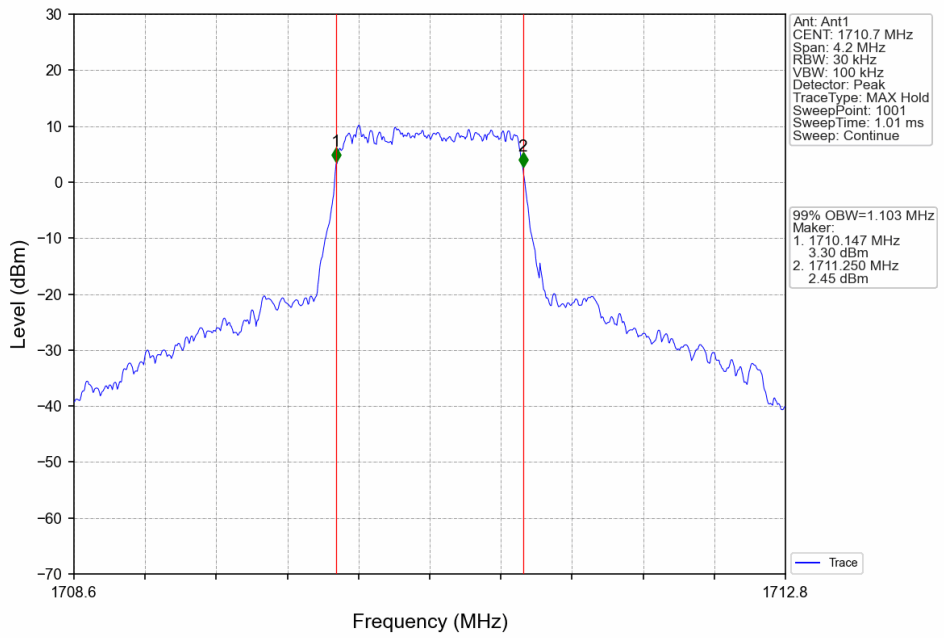
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



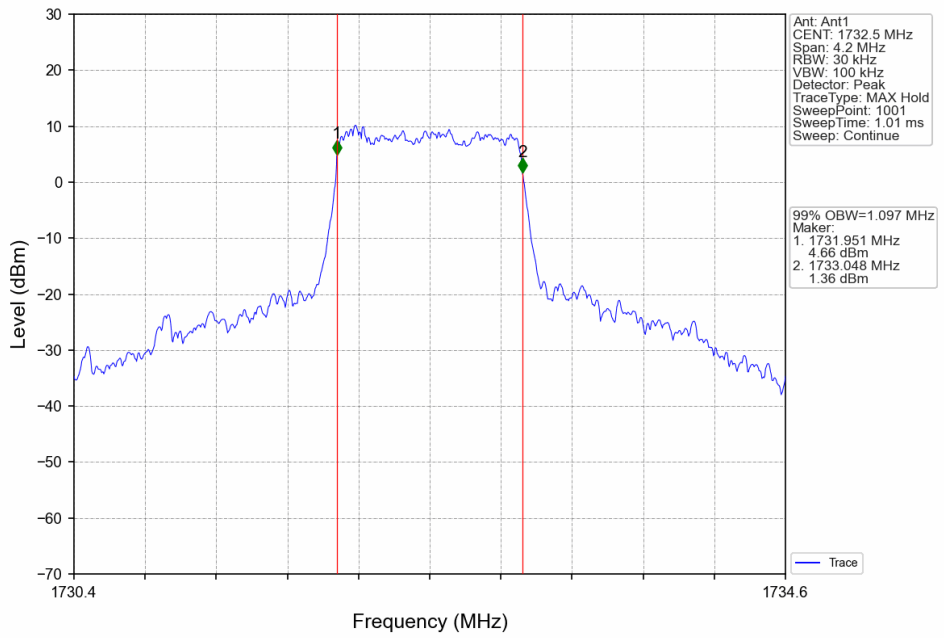
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



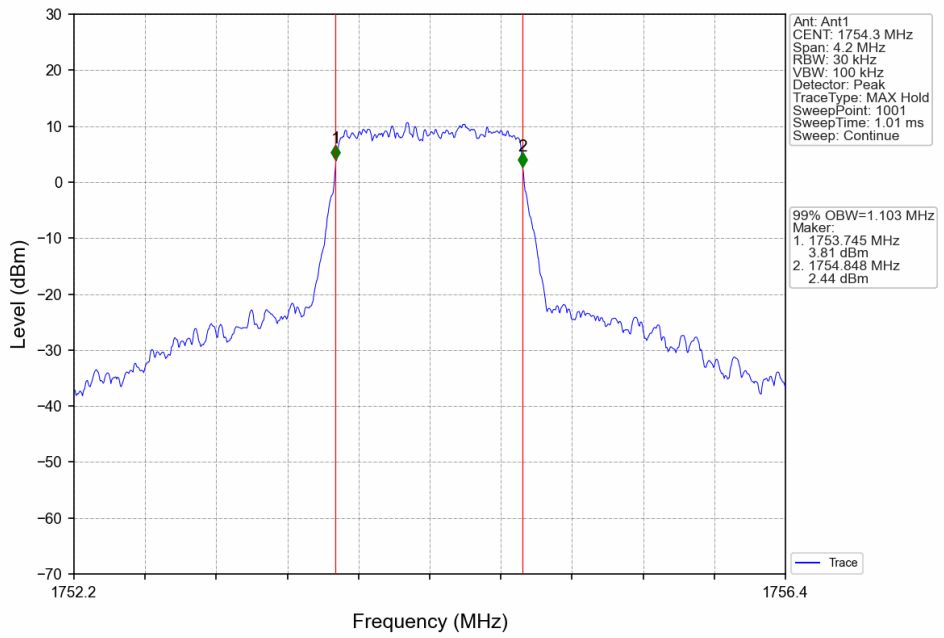
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



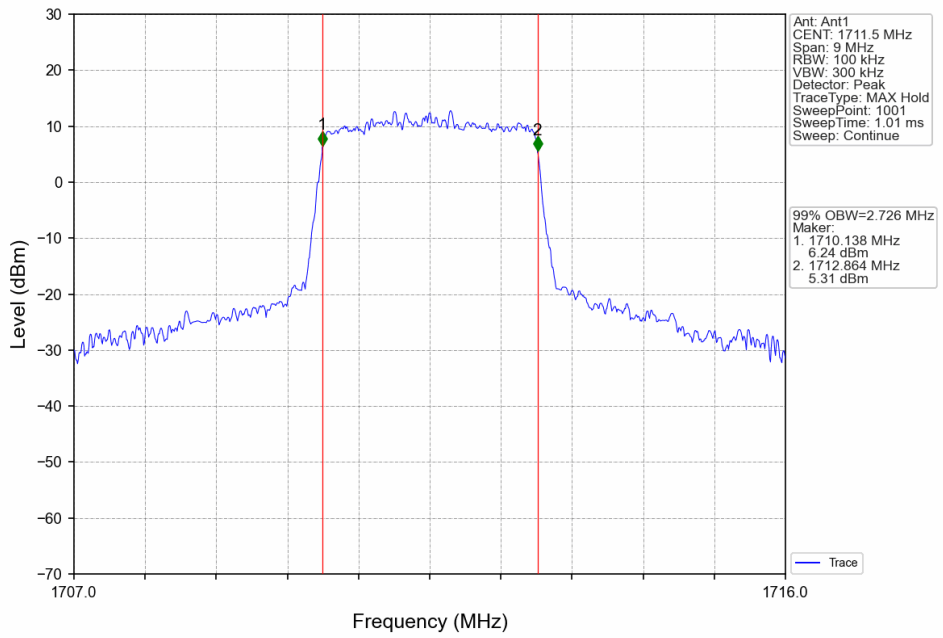
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



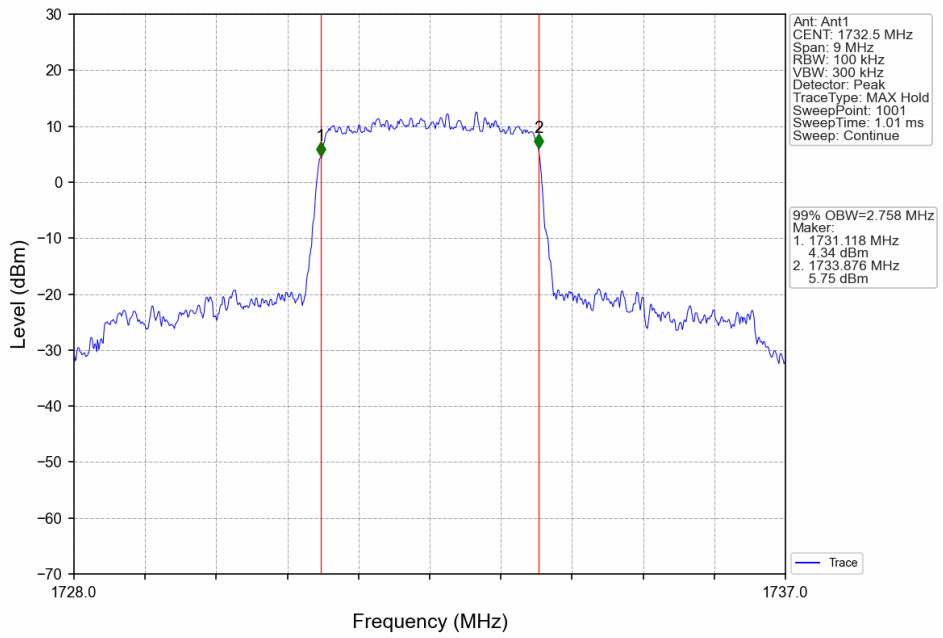
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



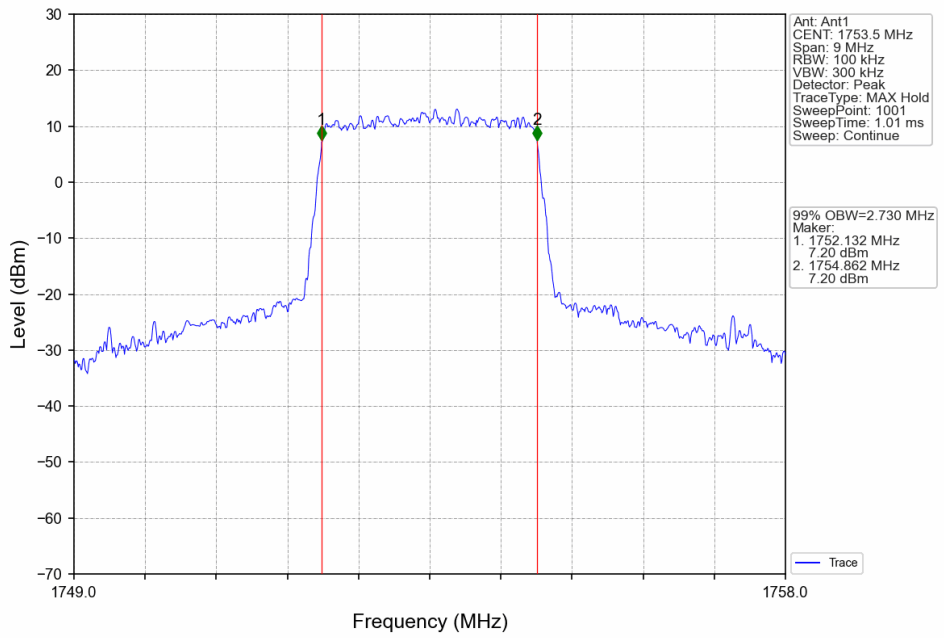
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



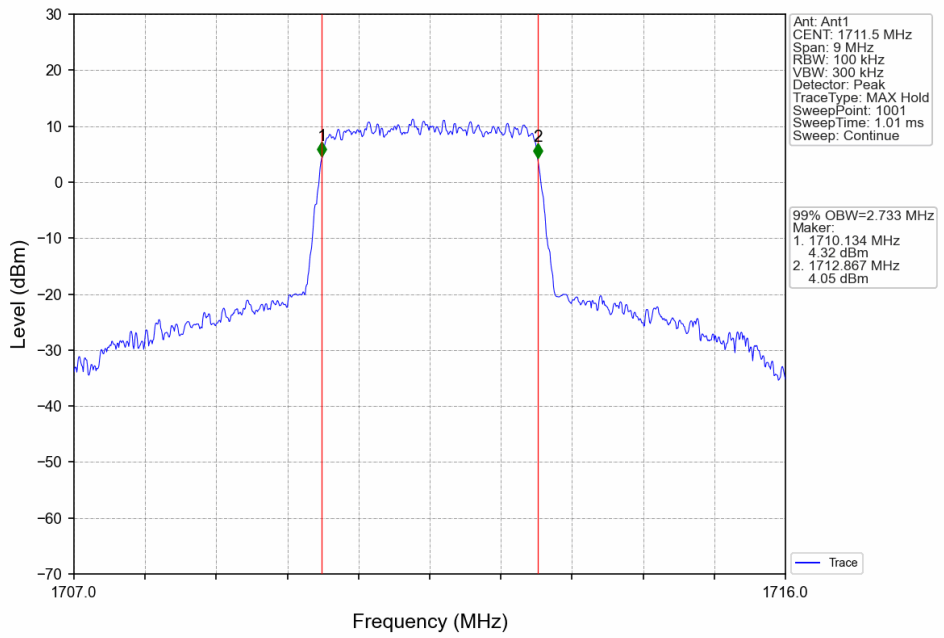
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



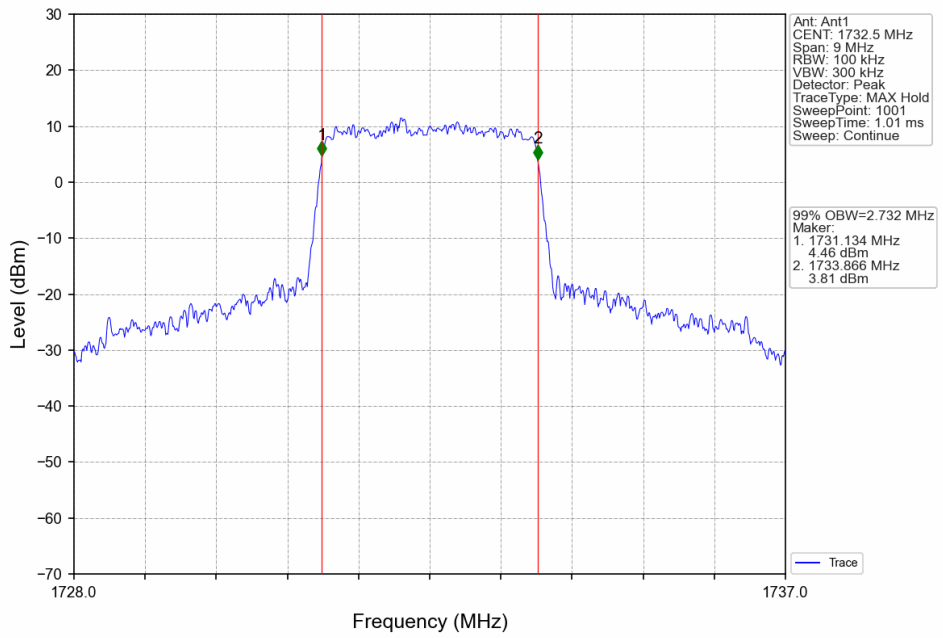
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



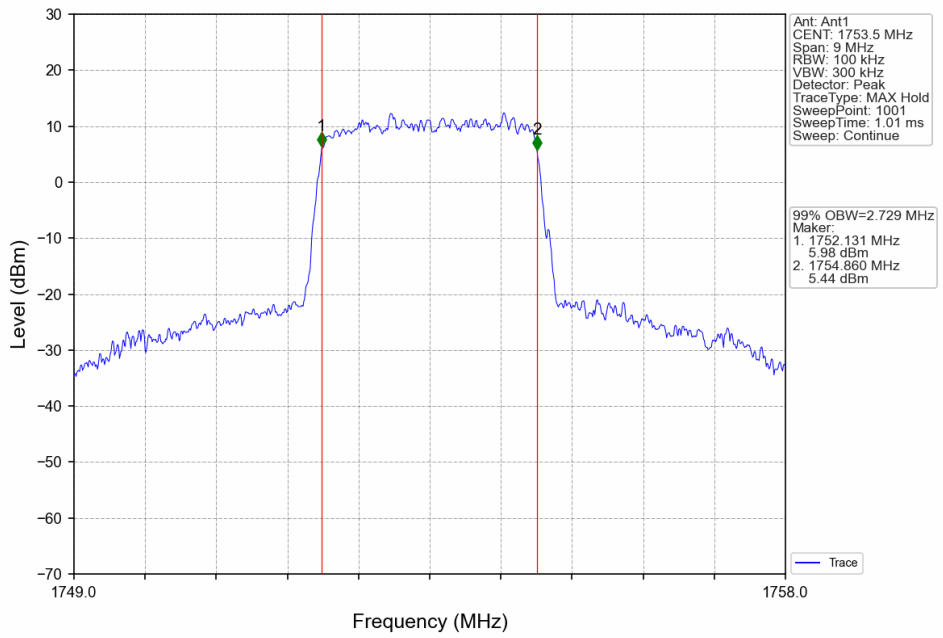
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



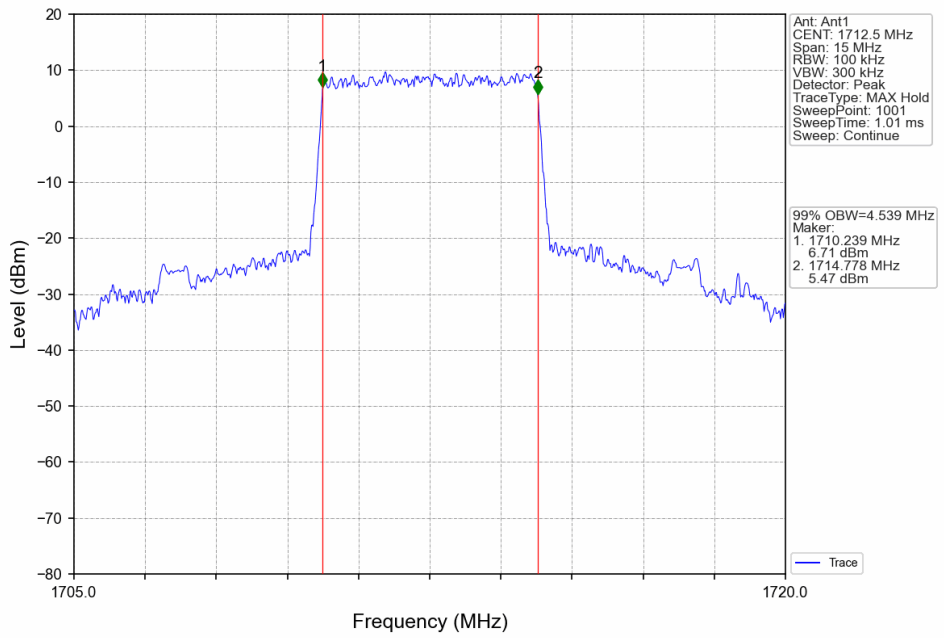
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



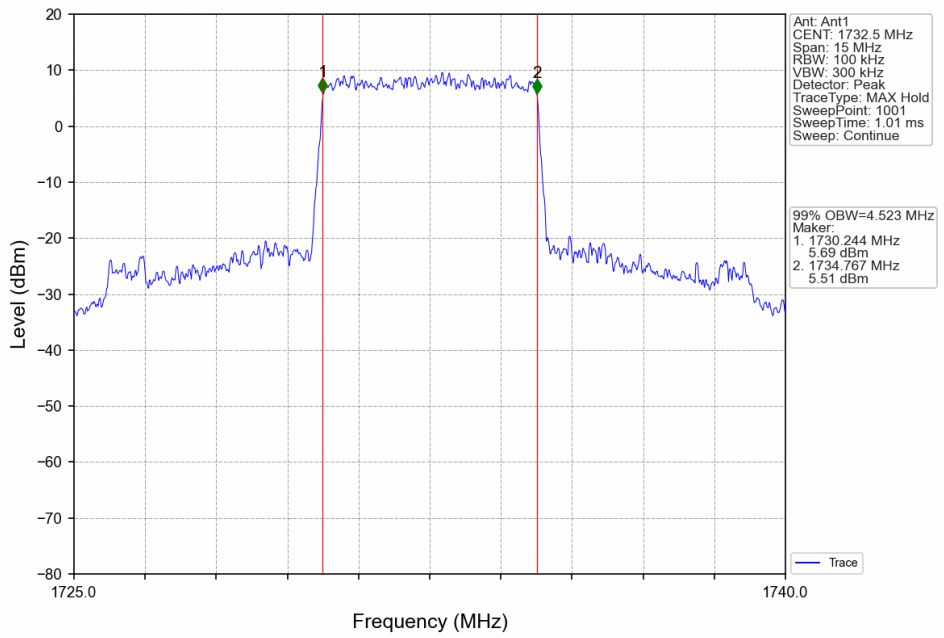
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



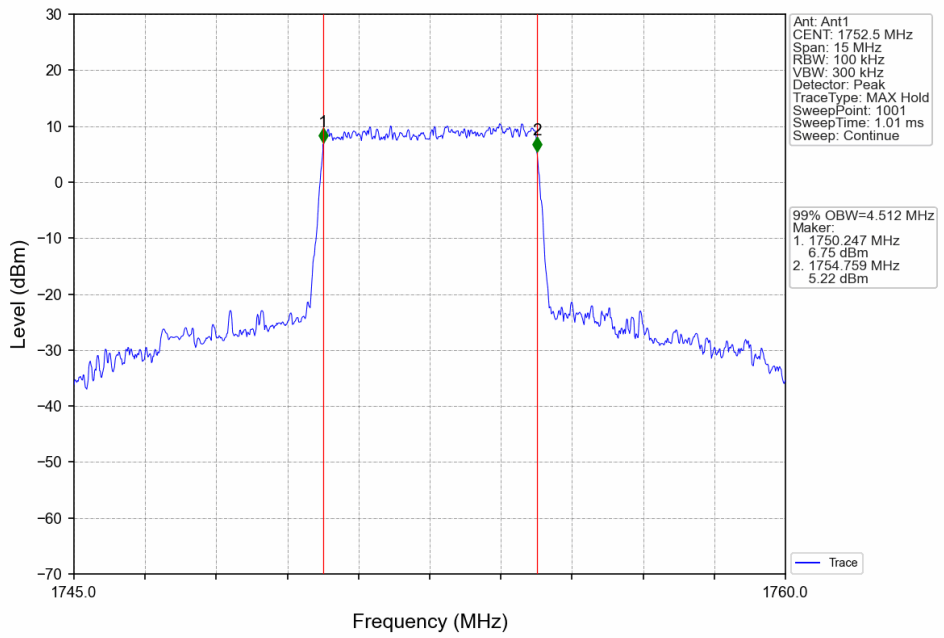
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



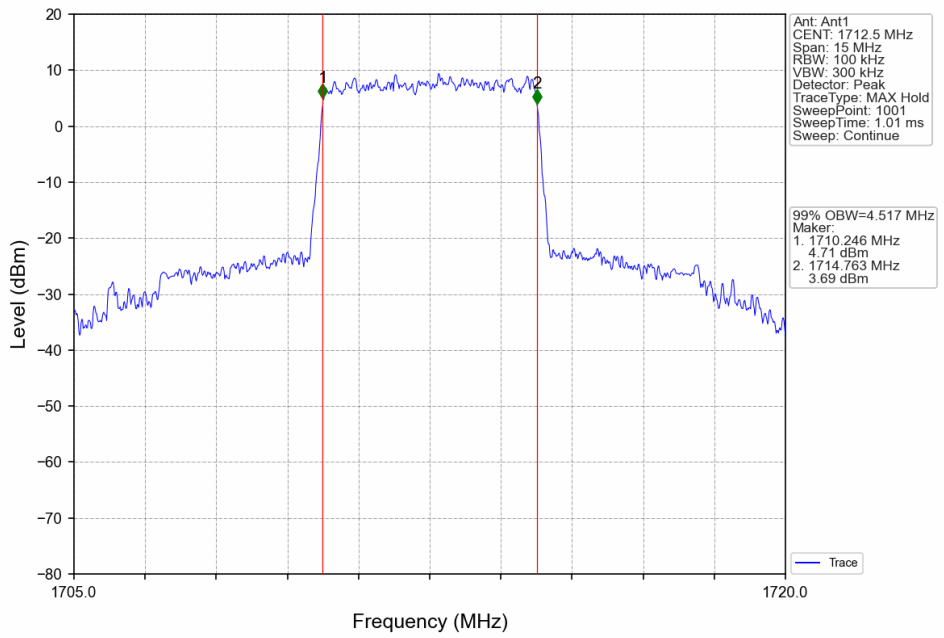
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



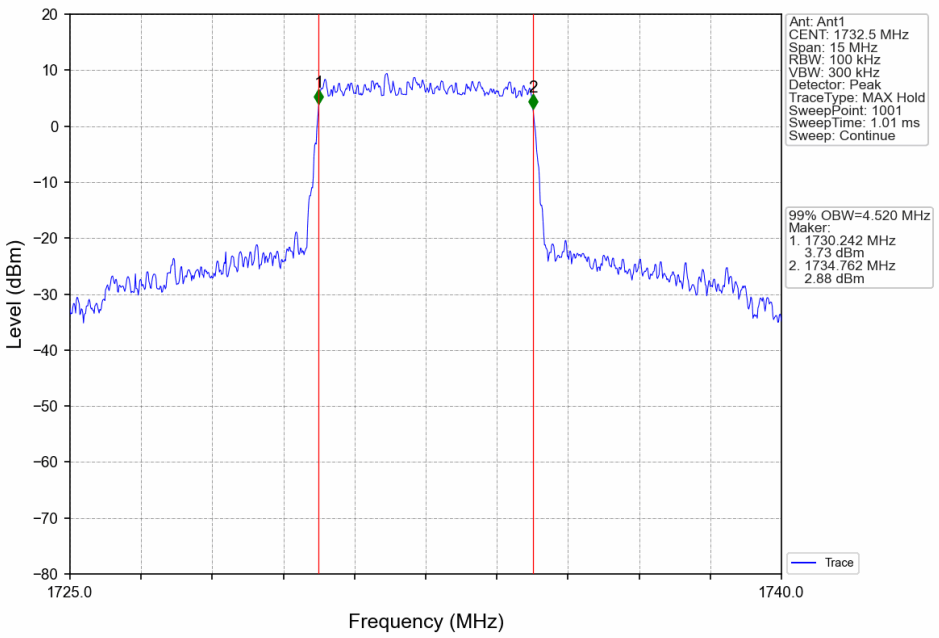
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



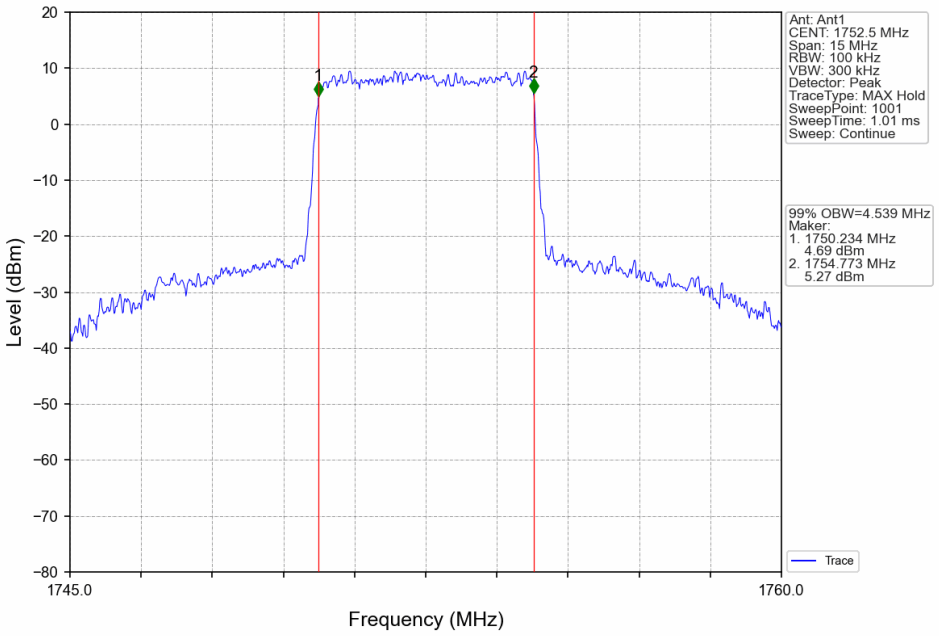
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



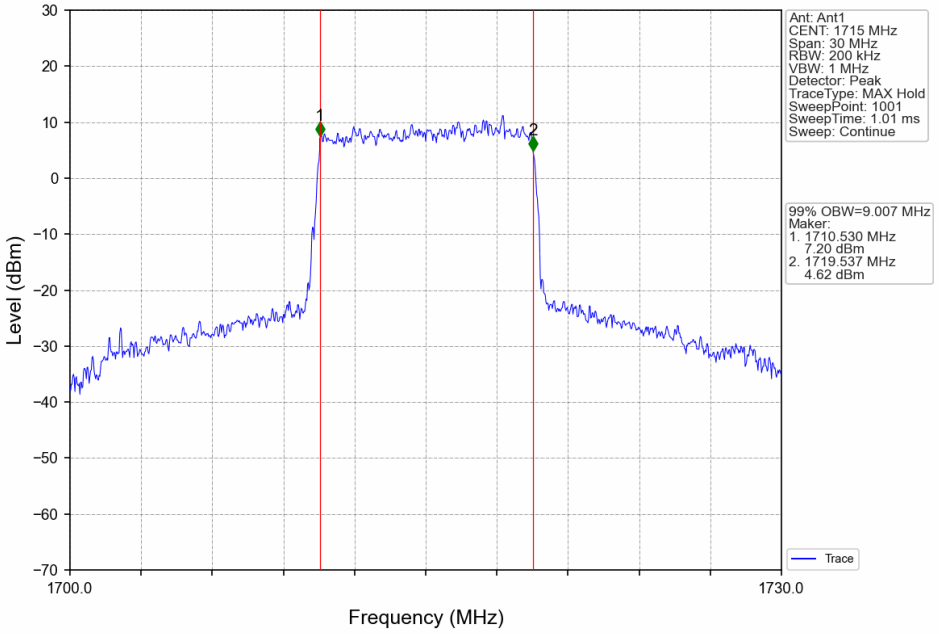
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



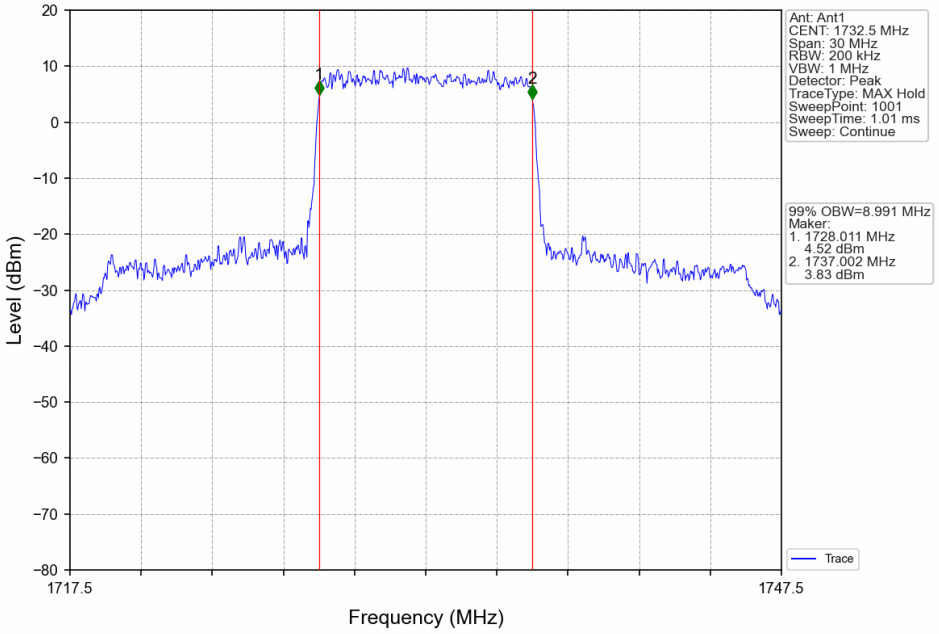
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



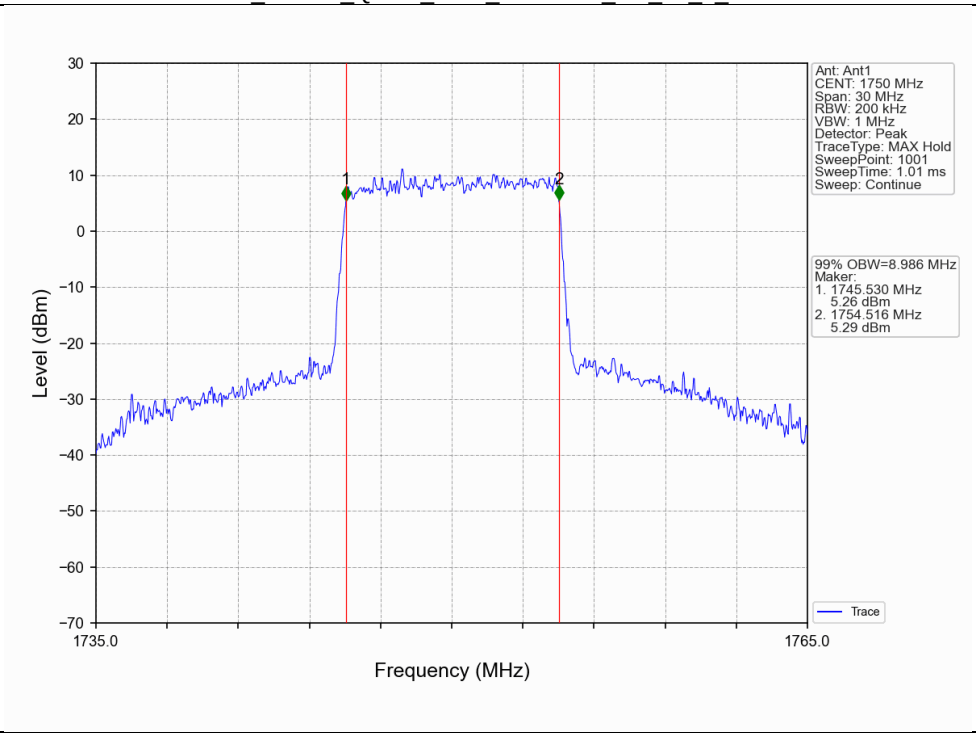
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



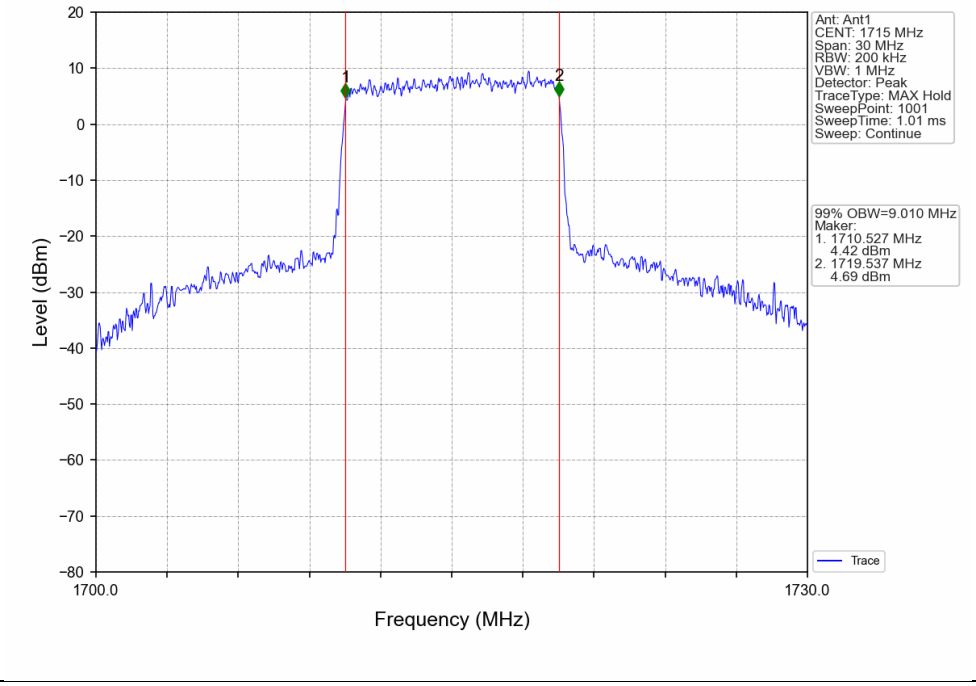
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



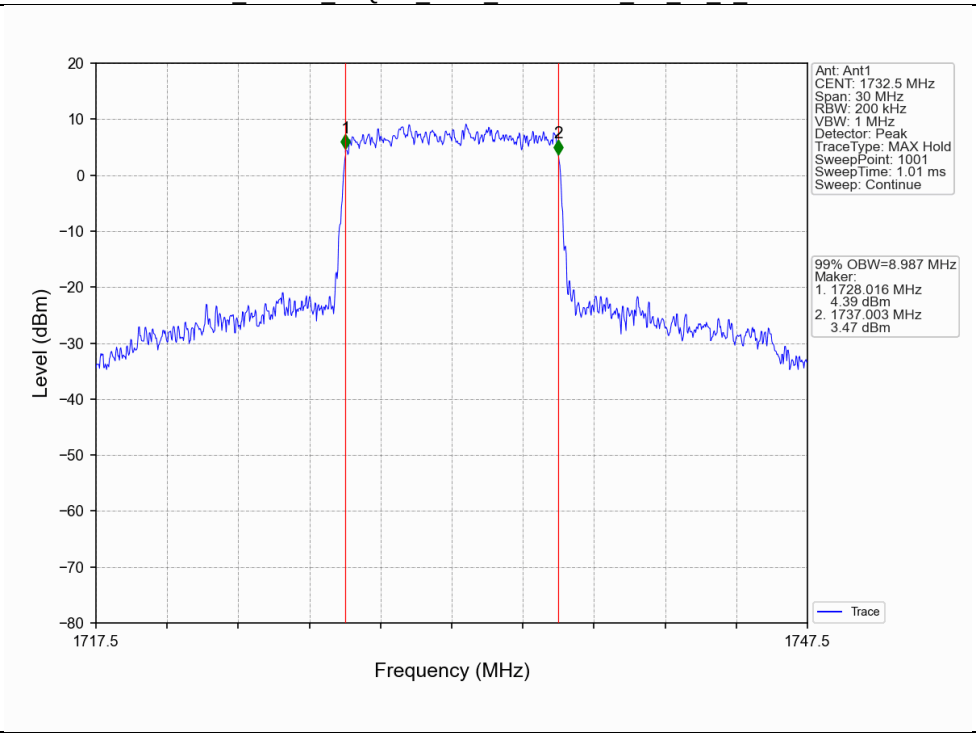
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



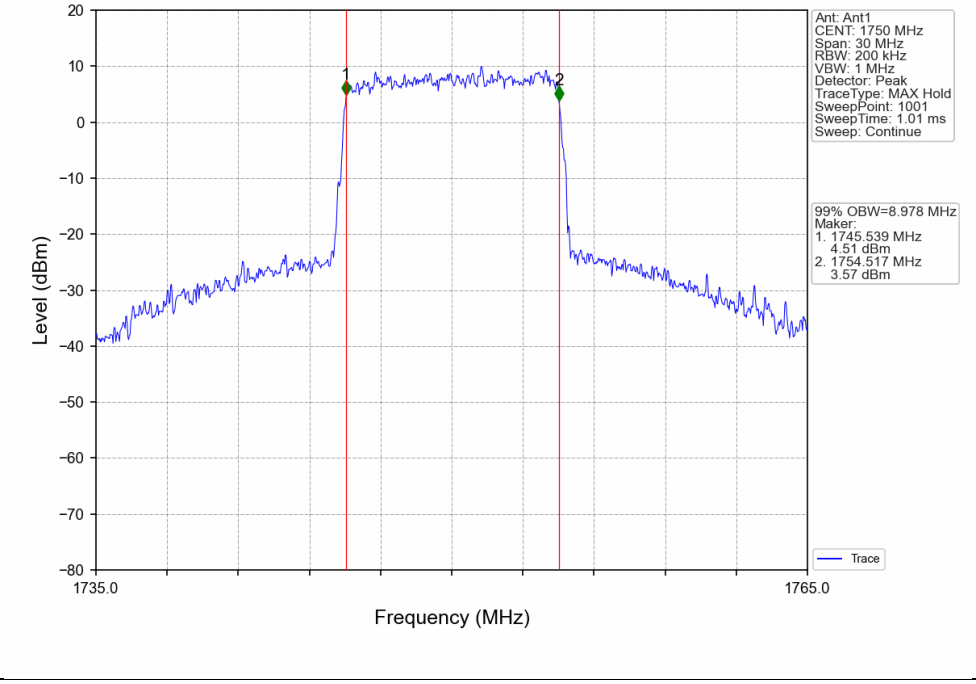
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



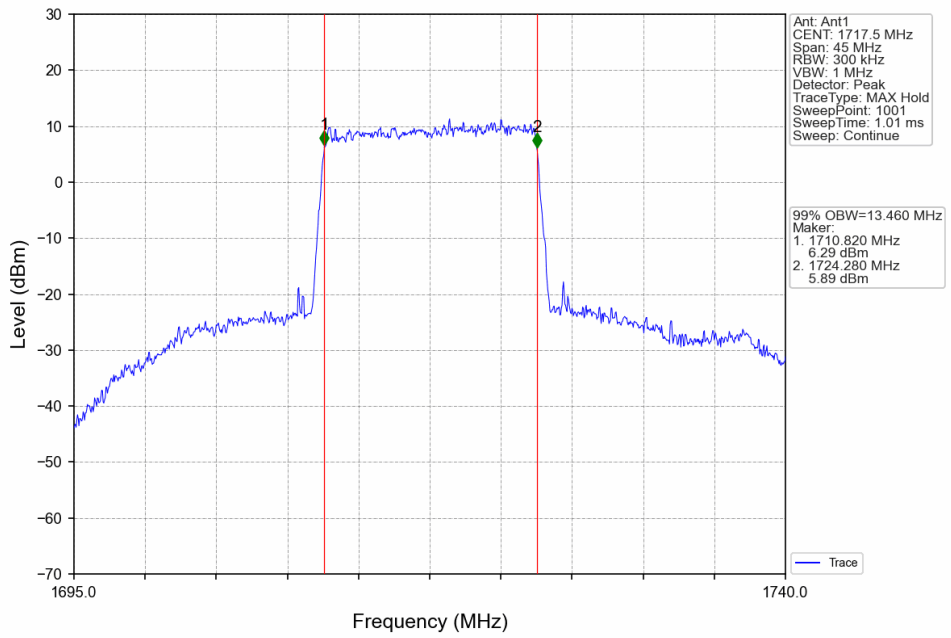
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



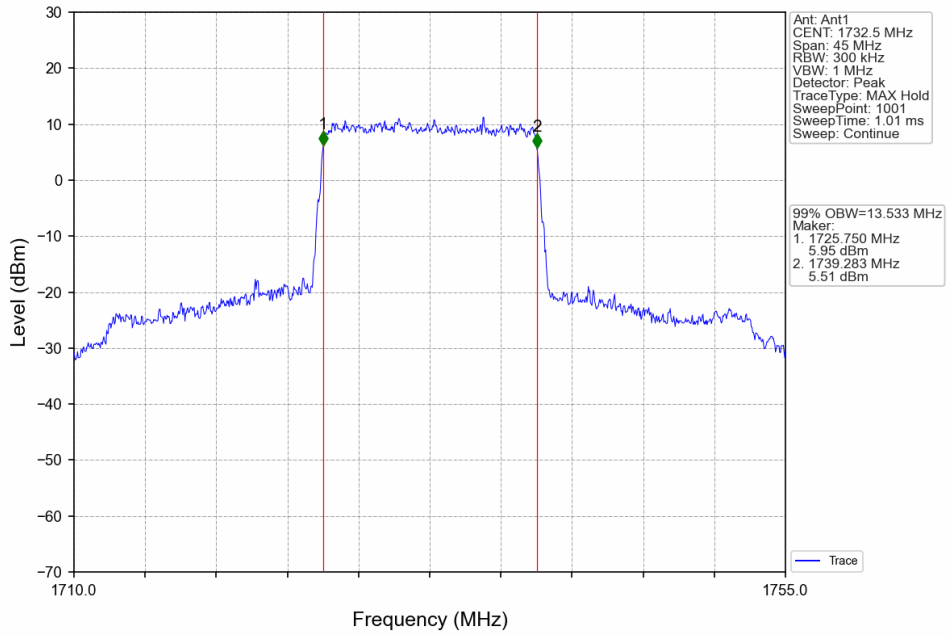
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



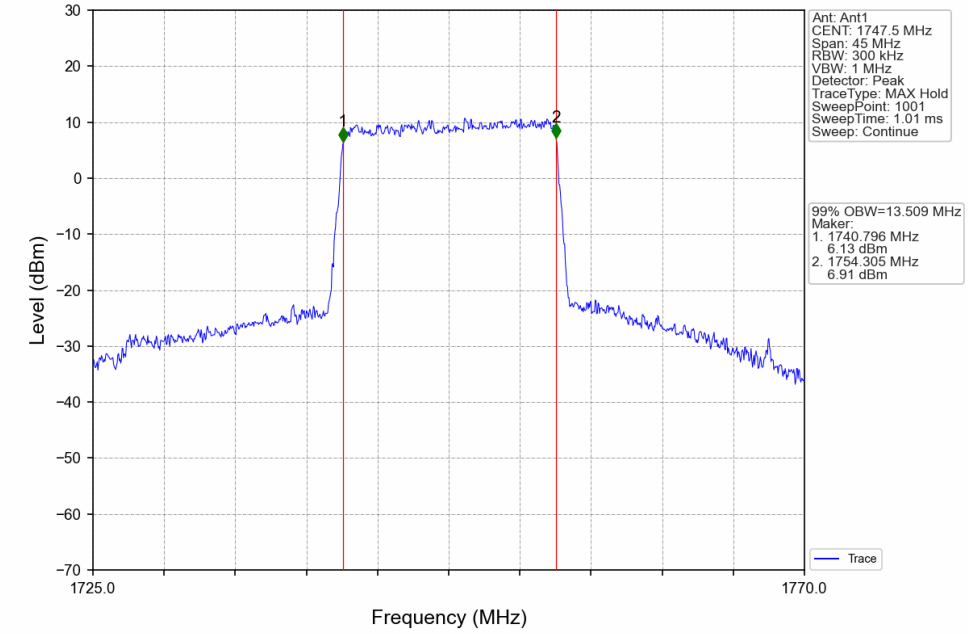
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



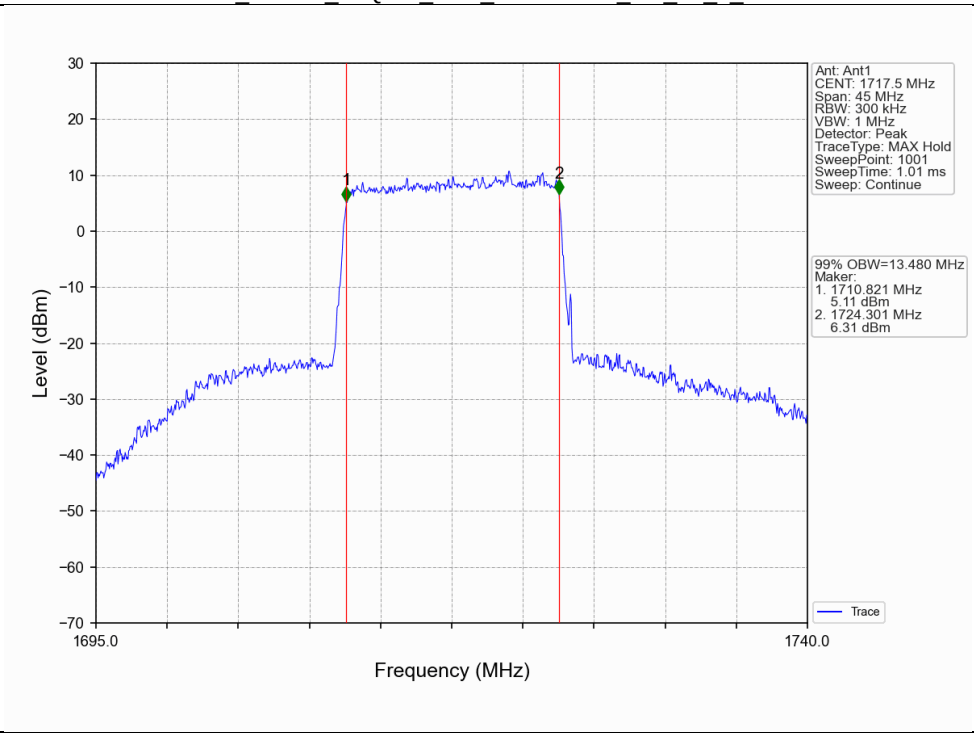
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



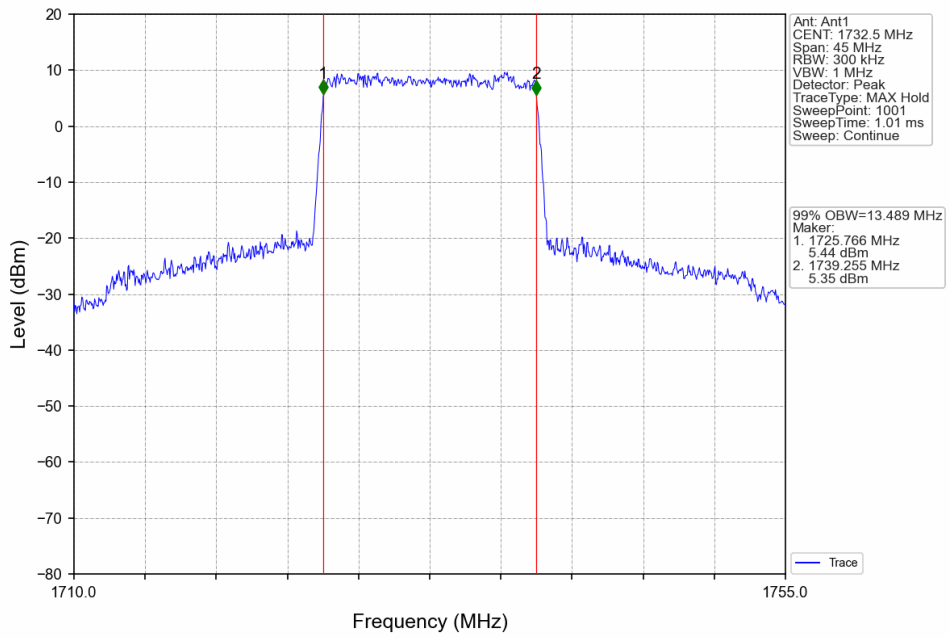
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



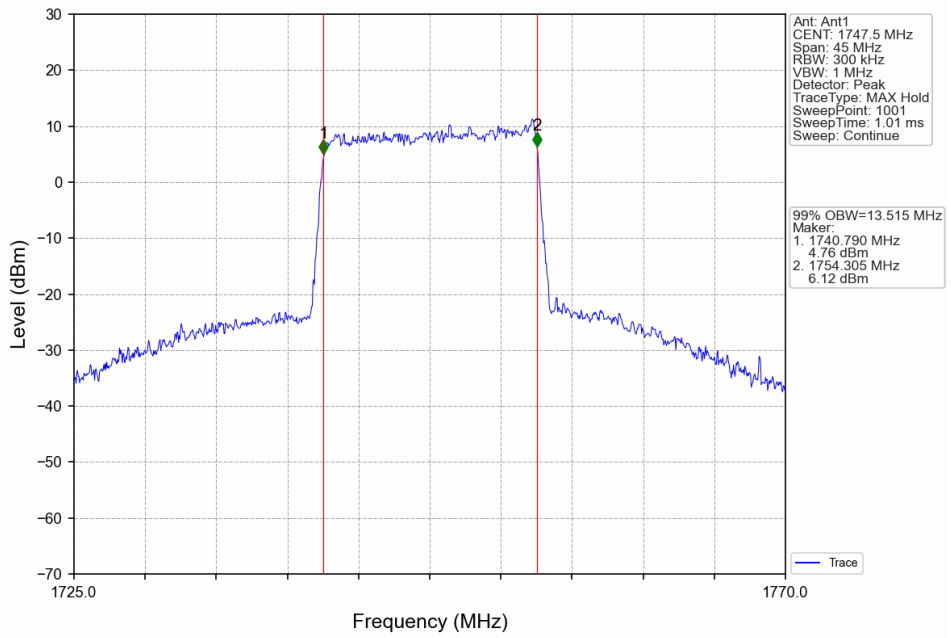
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



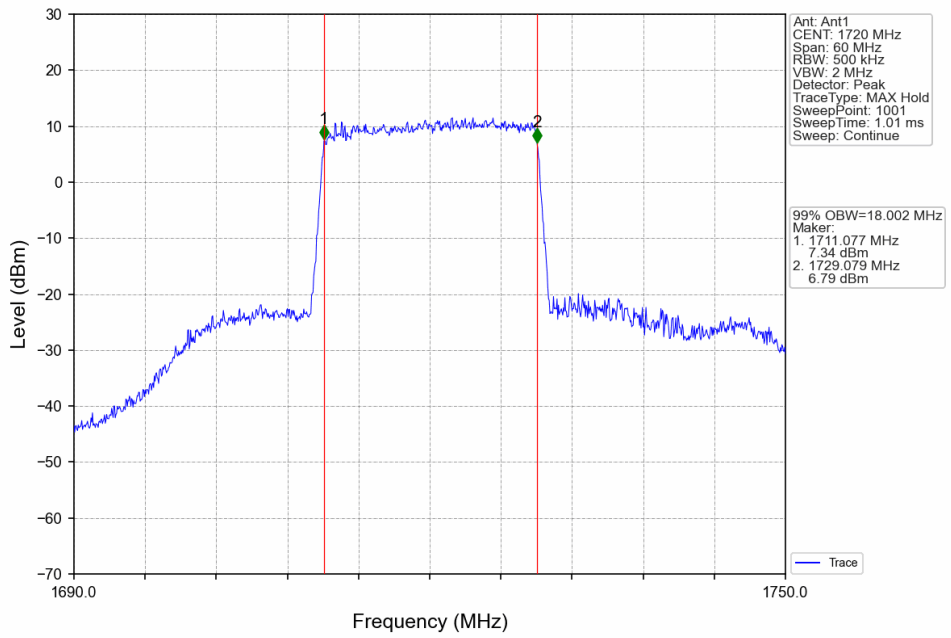
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



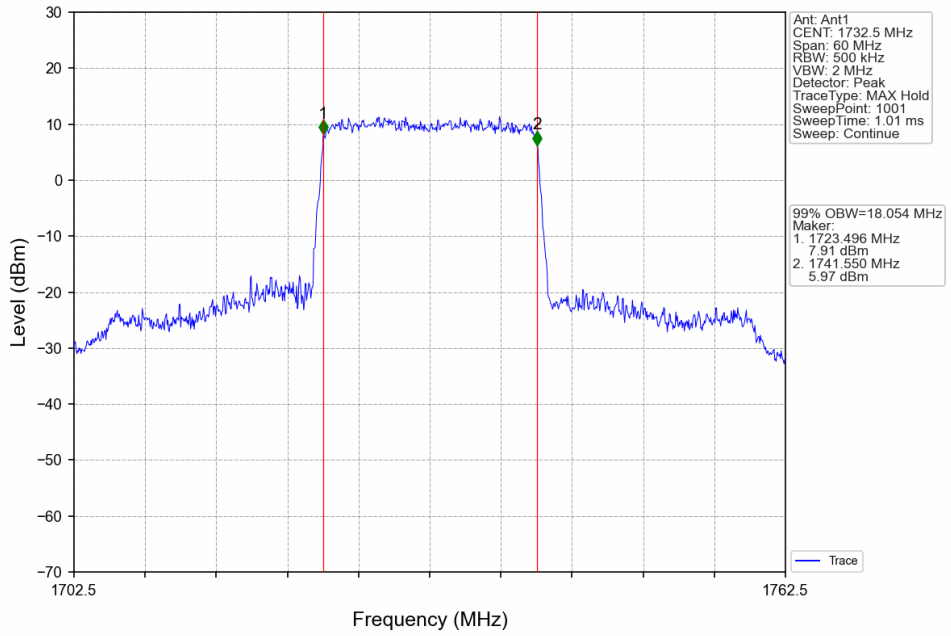
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



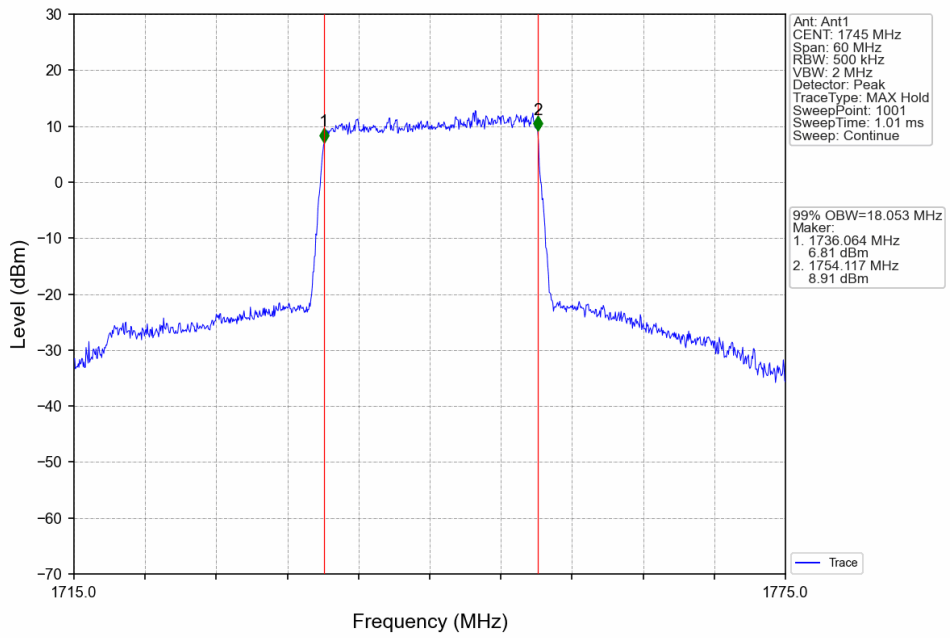
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



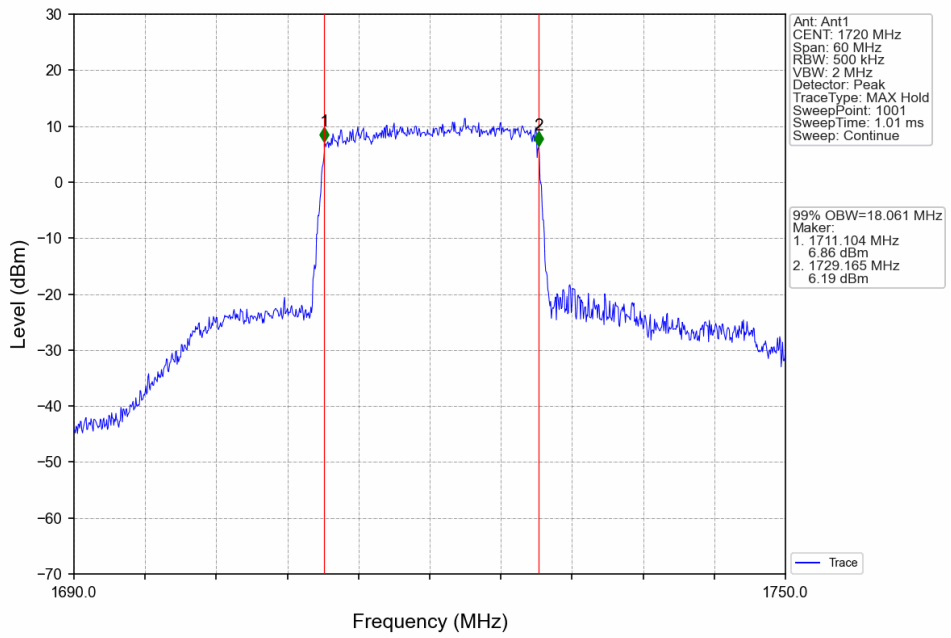
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



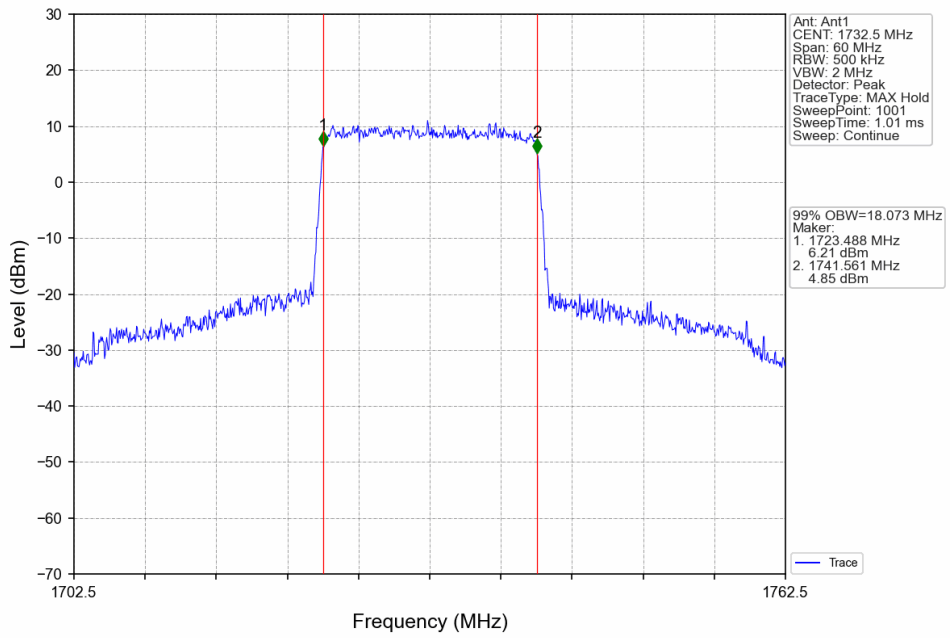
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



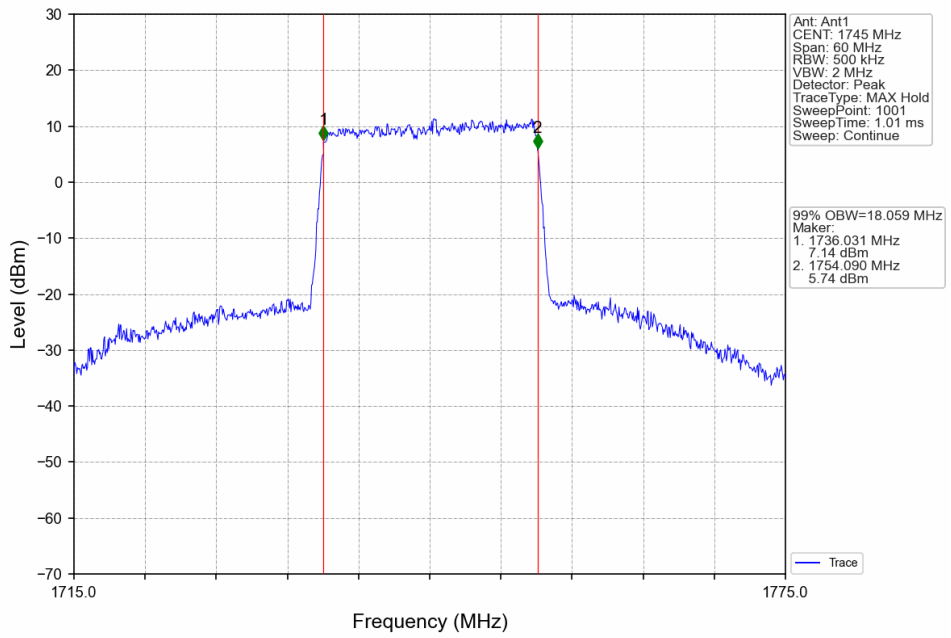
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



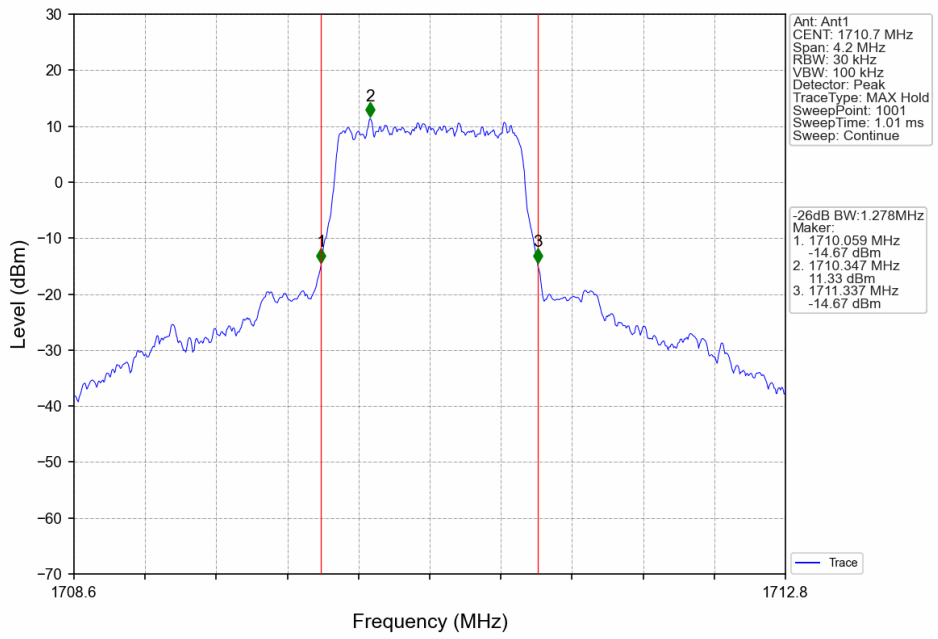
4.2 Band4_XDB

4.2.1 Test Result

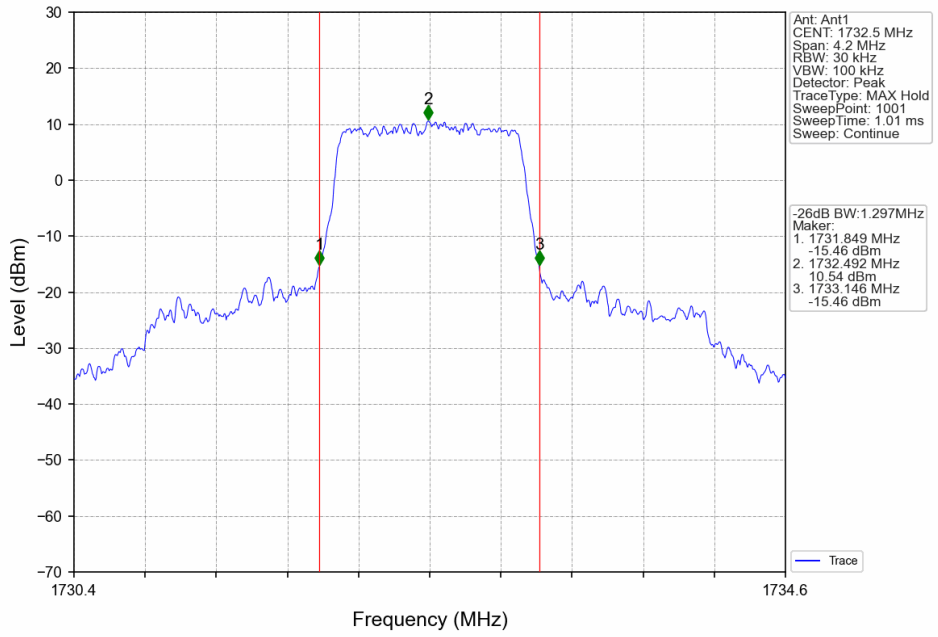
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.278	/	Pass
		1732.5	6	0	1.297	/	Pass
		1754.3	6	0	1.281	/	Pass
	16QAM	1710.7	6	0	1.308	/	Pass
		1732.5	6	0	1.271	/	Pass
		1754.3	6	0	1.302	/	Pass
3	QPSK	1711.5	15	0	3.055	/	Pass
		1732.5	15	0	3.032	/	Pass
		1753.5	15	0	3.038	/	Pass
	16QAM	1711.5	15	0	3.057	/	Pass
		1732.5	15	0	3.043	/	Pass
		1753.5	15	0	3.050	/	Pass
5	QPSK	1712.5	25	0	4.918	/	Pass
		1732.5	25	0	4.885	/	Pass
		1752.5	25	0	4.916	/	Pass
	16QAM	1712.5	25	0	4.936	/	Pass
		1732.5	25	0	4.956	/	Pass
		1752.5	25	0	4.962	/	Pass
10	QPSK	1715	50	0	9.659	/	Pass
		1732.5	50	0	9.710	/	Pass
		1750	50	0	9.708	/	Pass
	16QAM	1715	50	0	9.749	/	Pass
		1732.5	50	0	9.650	/	Pass
		1750	50	0	9.711	/	Pass
15	QPSK	1717.5	75	0	14.605	/	Pass
		1732.5	75	0	14.714	/	Pass
		1747.5	75	0	14.726	/	Pass
	16QAM	1717.5	75	0	14.858	/	Pass
		1732.5	75	0	14.593	/	Pass
		1747.5	75	0	14.640	/	Pass
20	QPSK	1720	100	0	19.505	/	Pass
		1732.5	100	0	19.663	/	Pass
		1745	100	0	19.593	/	Pass
	16QAM	1720	100	0	19.341	/	Pass
		1732.5	100	0	19.420	/	Pass
		1745	100	0	19.549	/	Pass

4.2.2 Test Graph

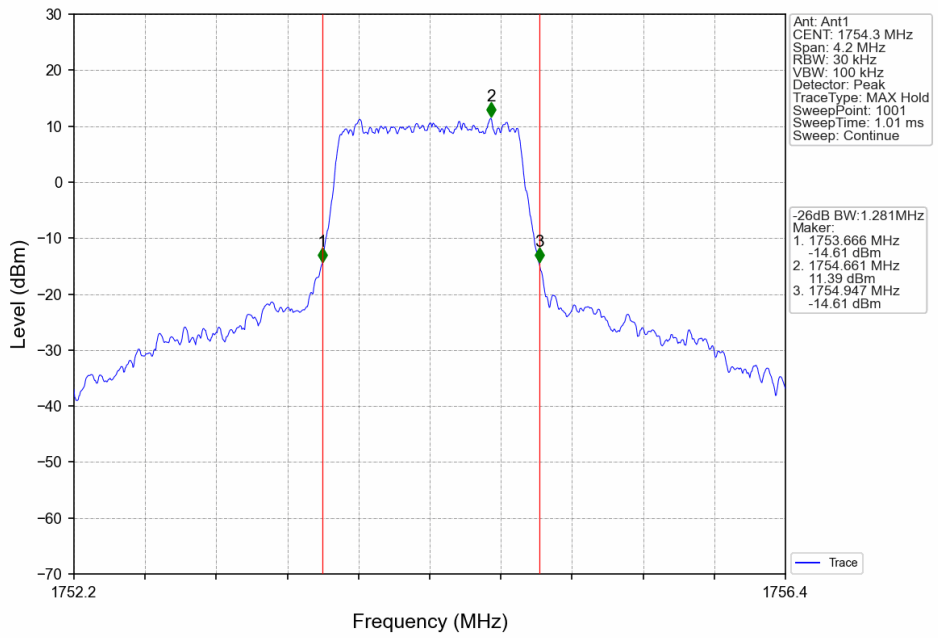
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



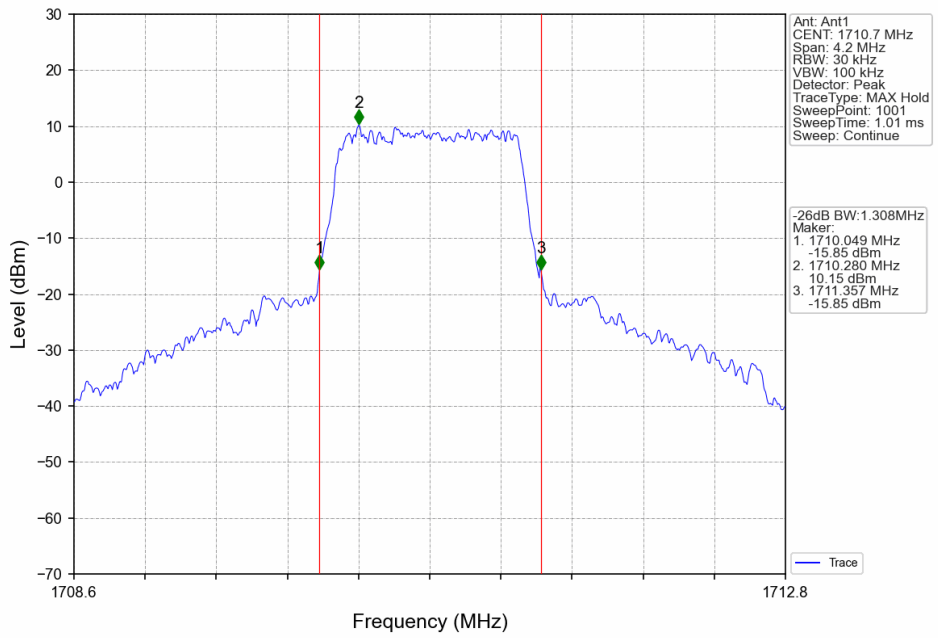
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



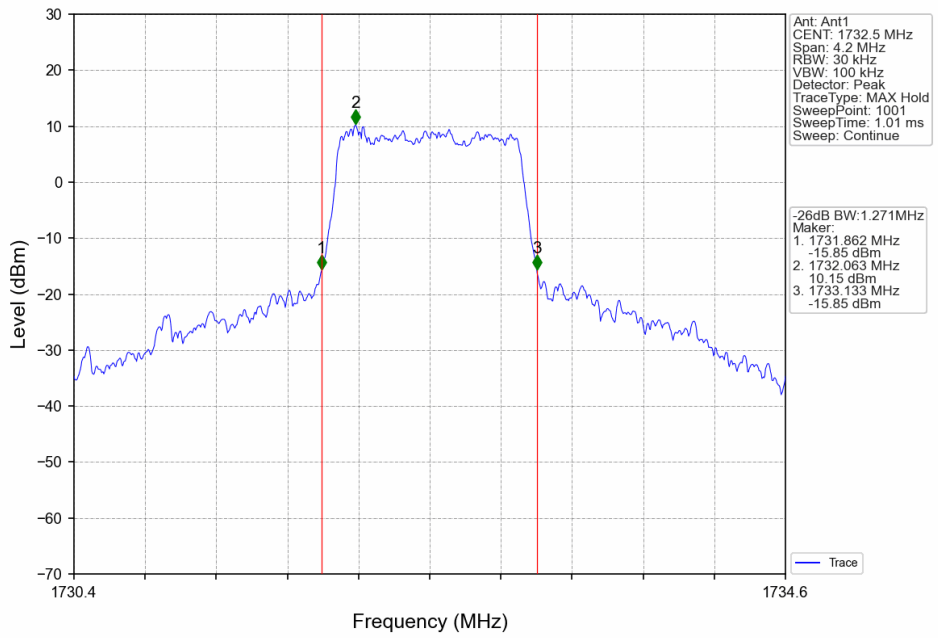
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



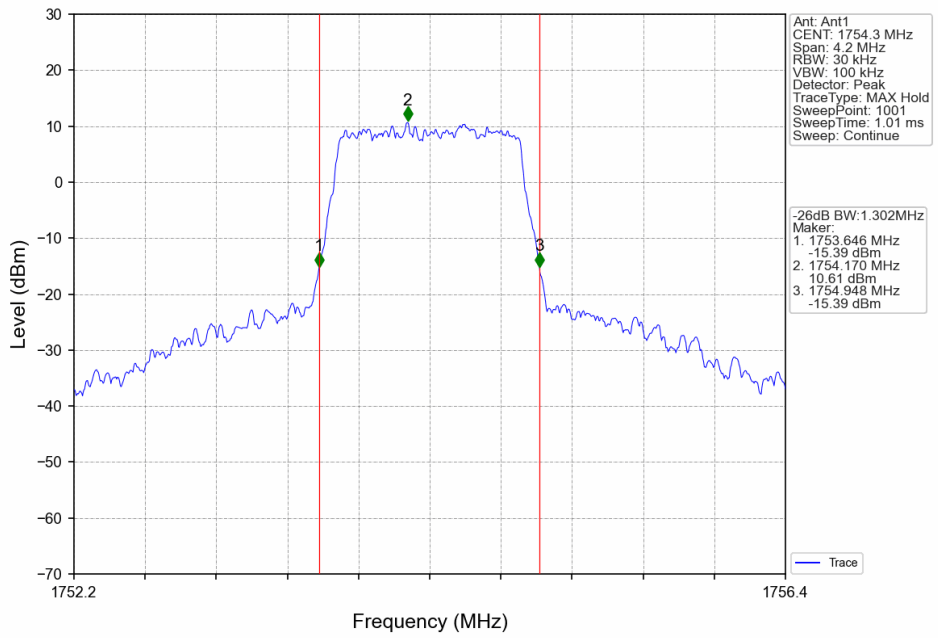
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



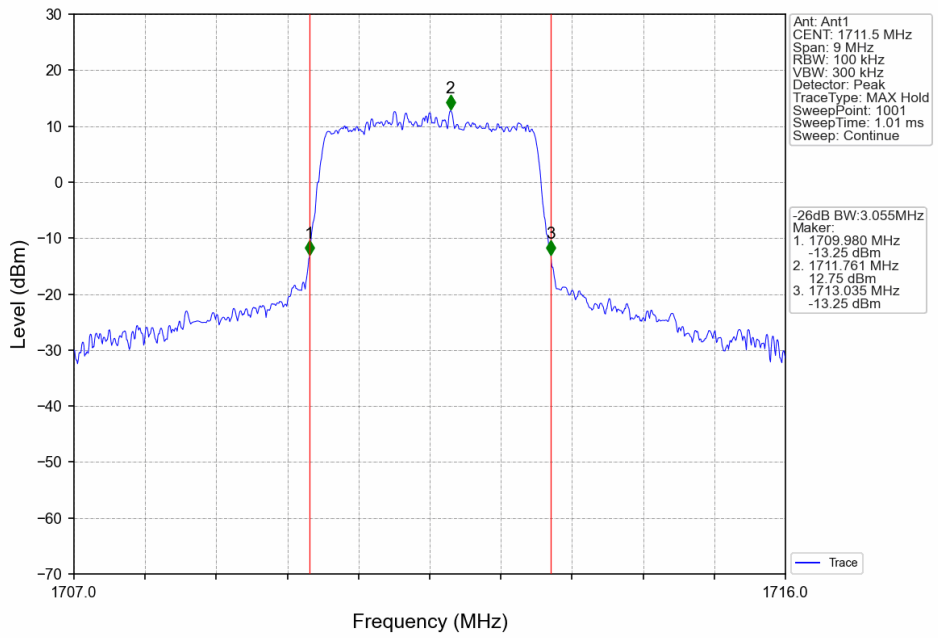
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



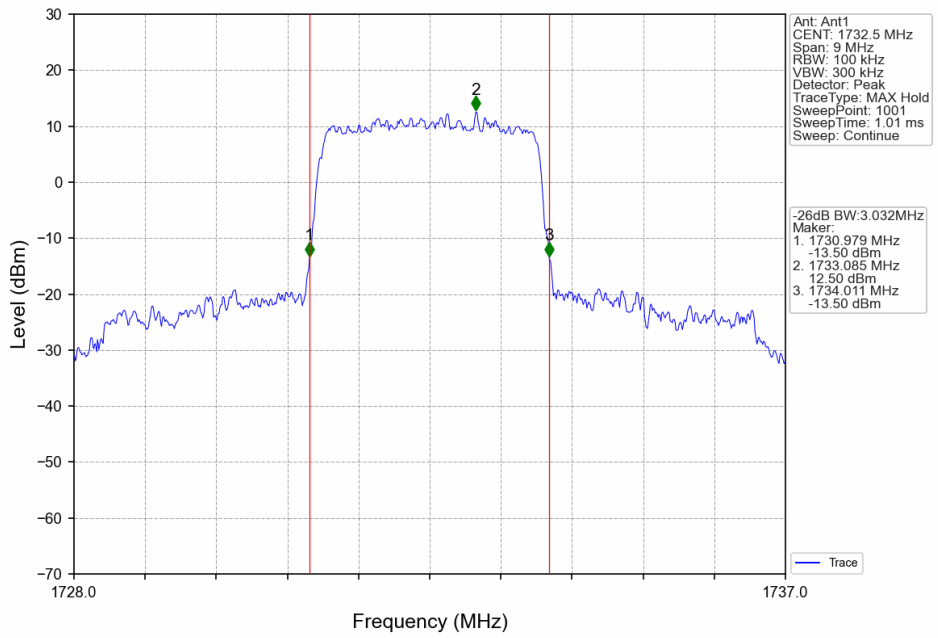
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



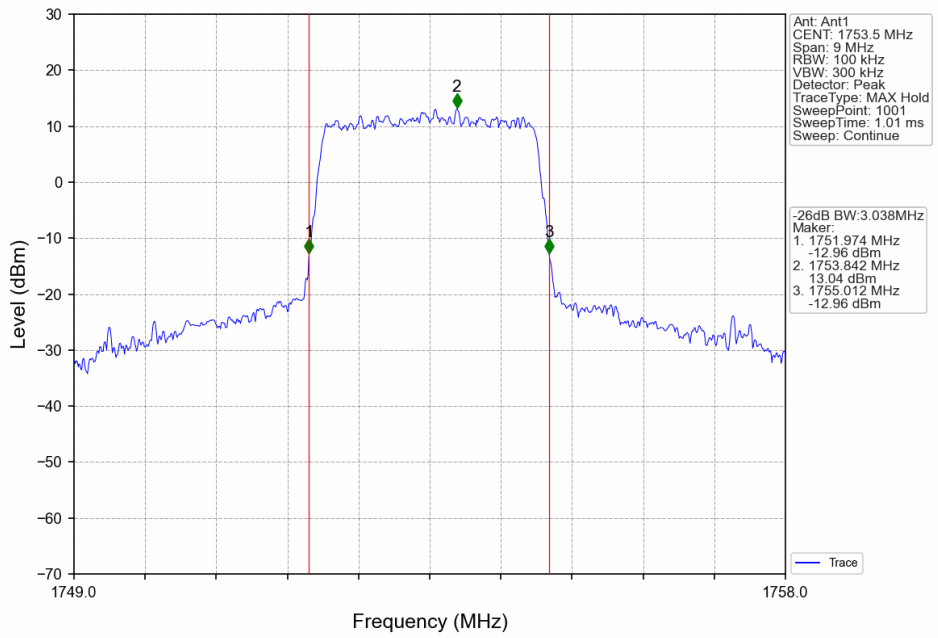
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



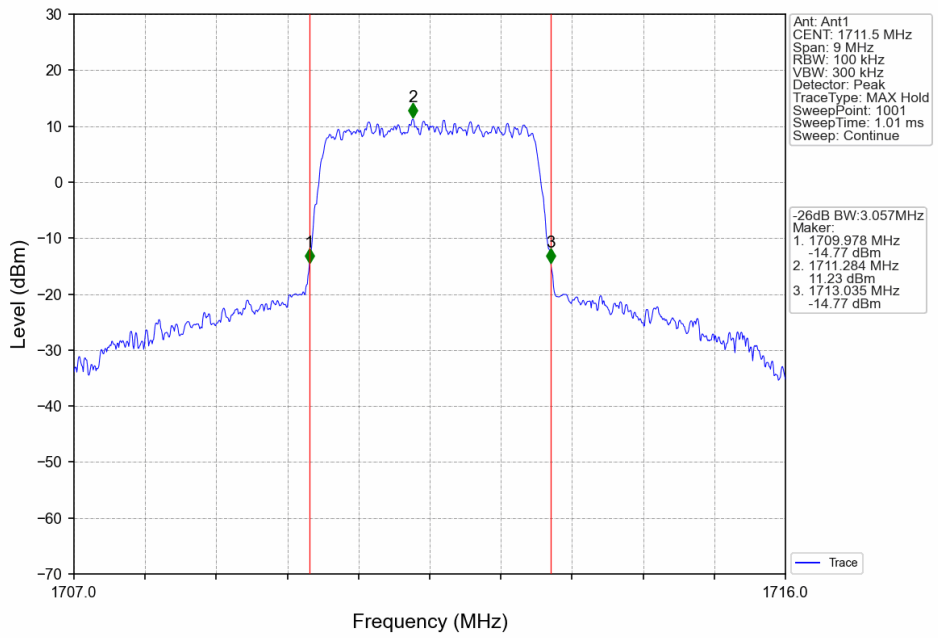
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



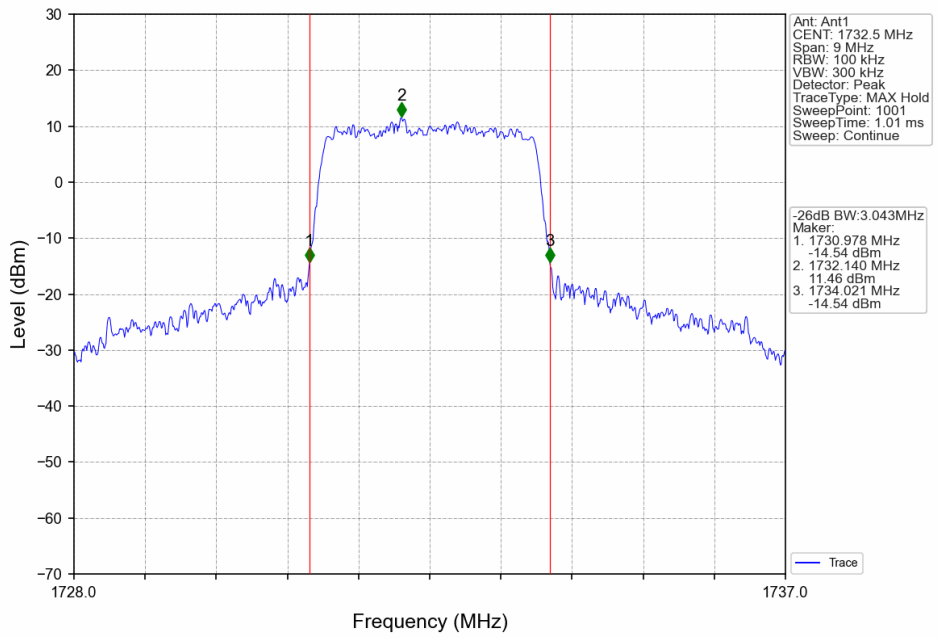
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



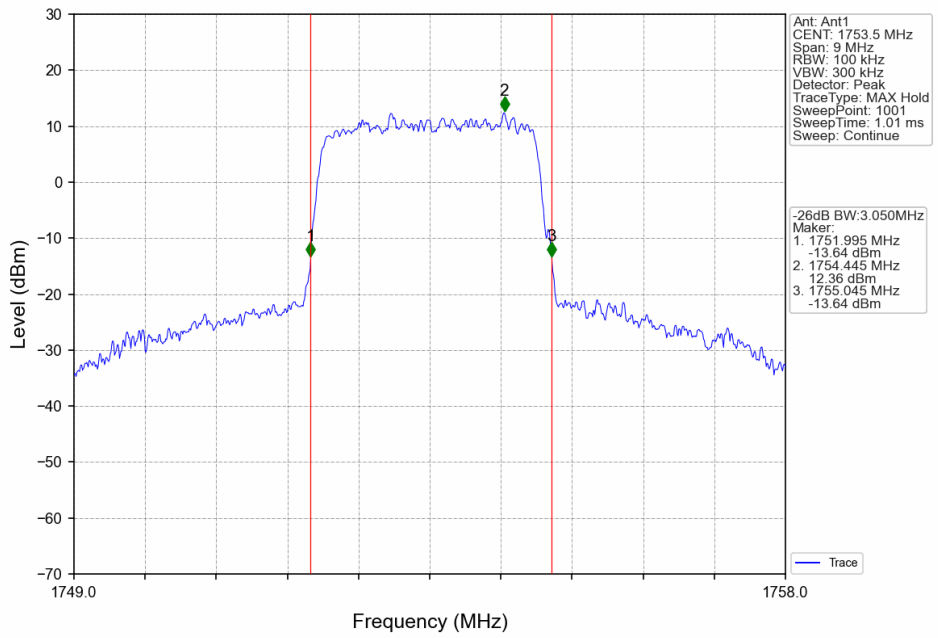
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



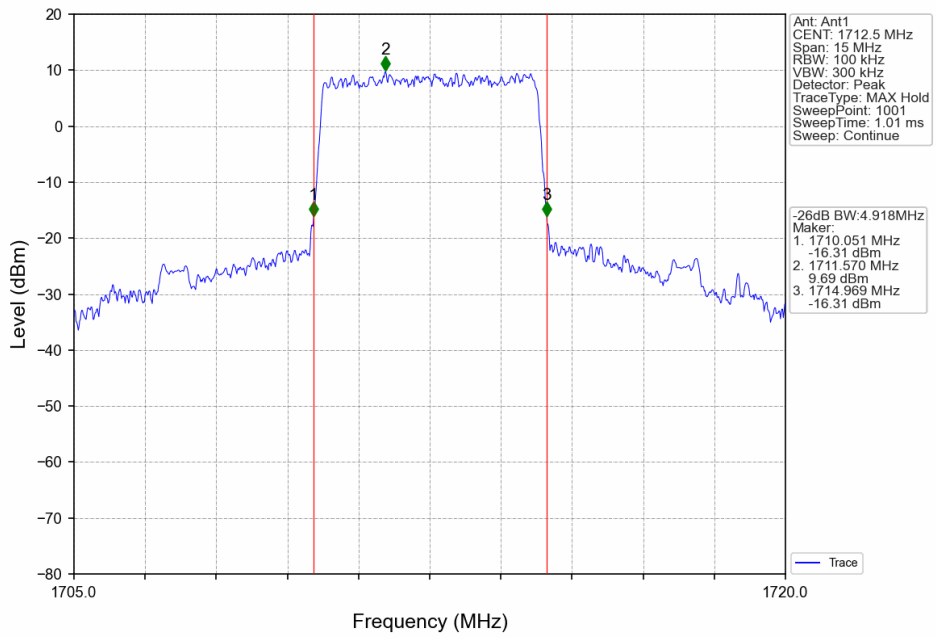
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



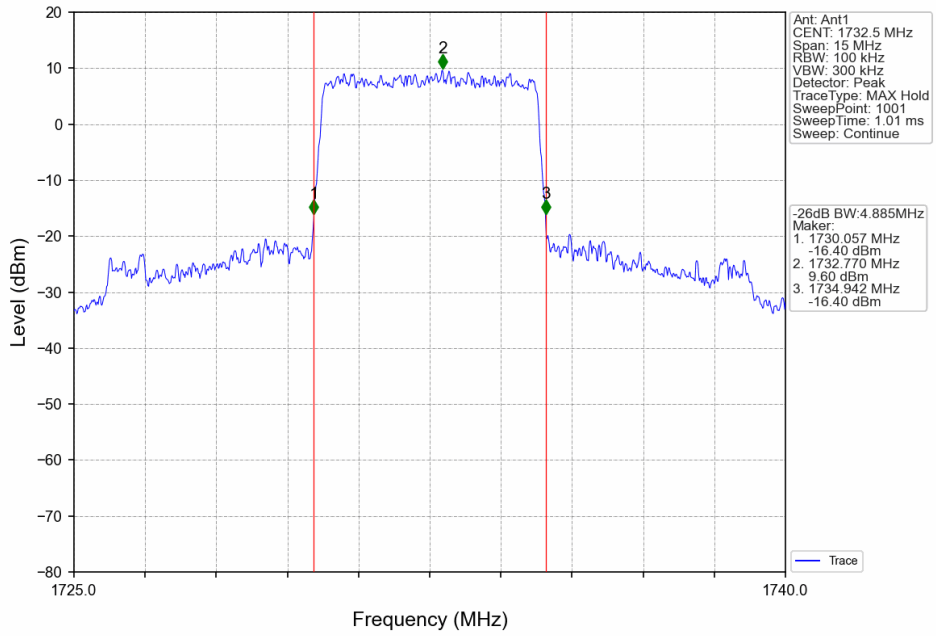
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



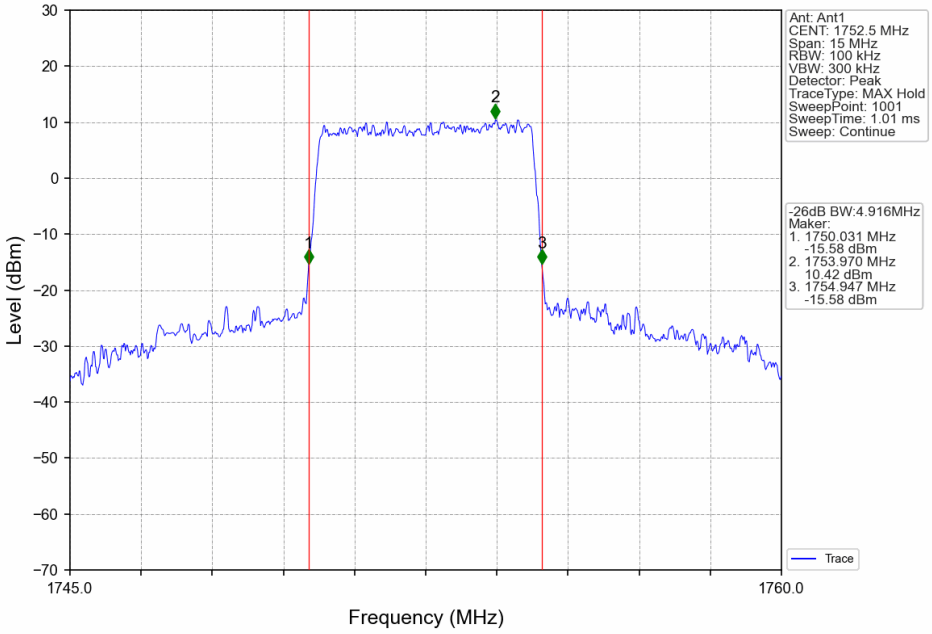
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



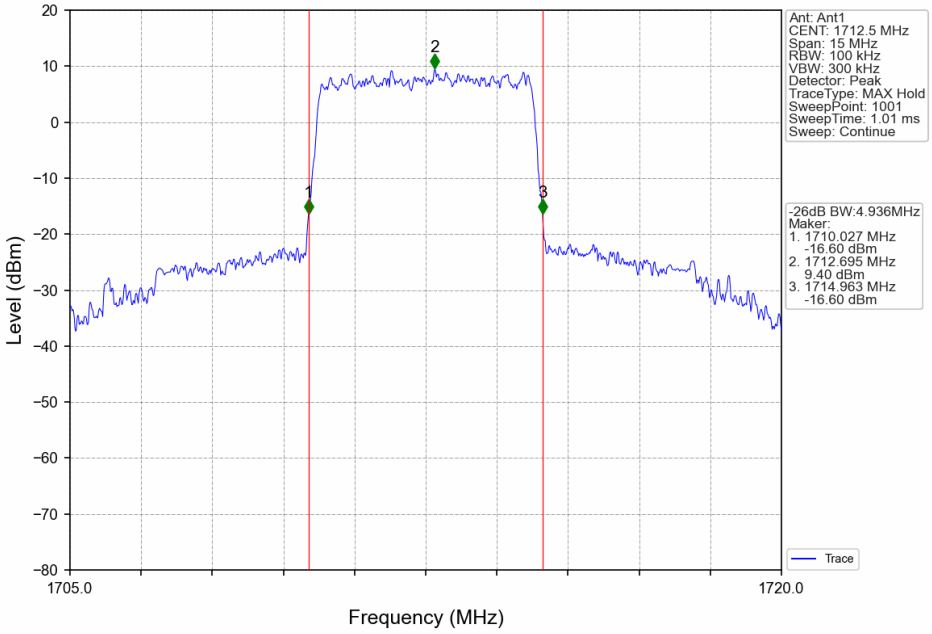
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



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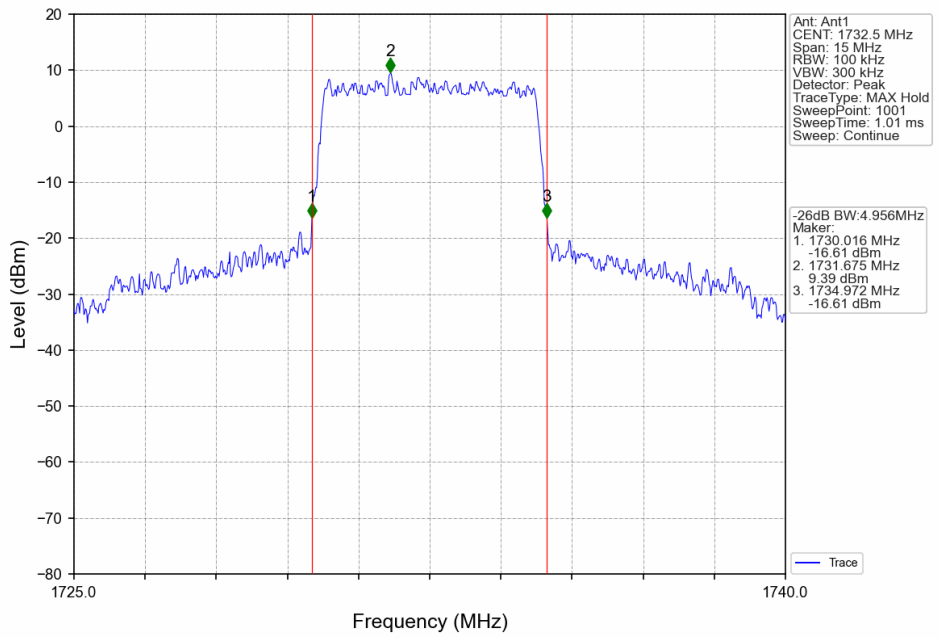

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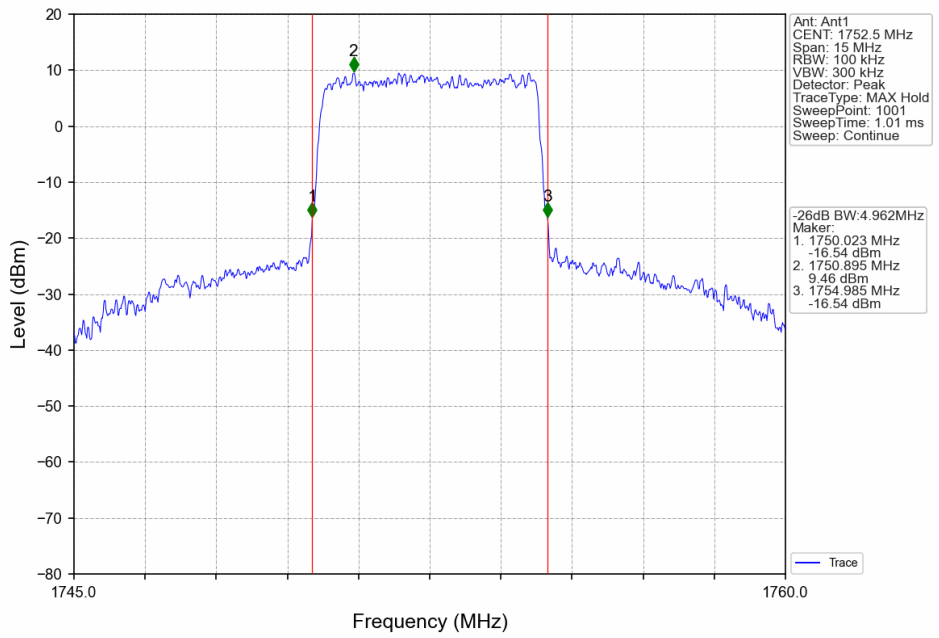

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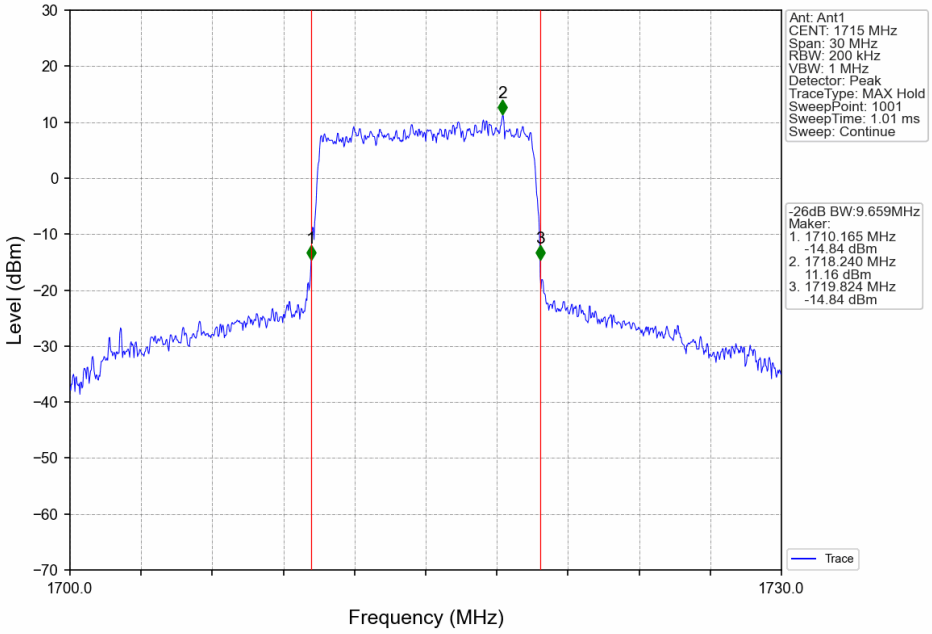
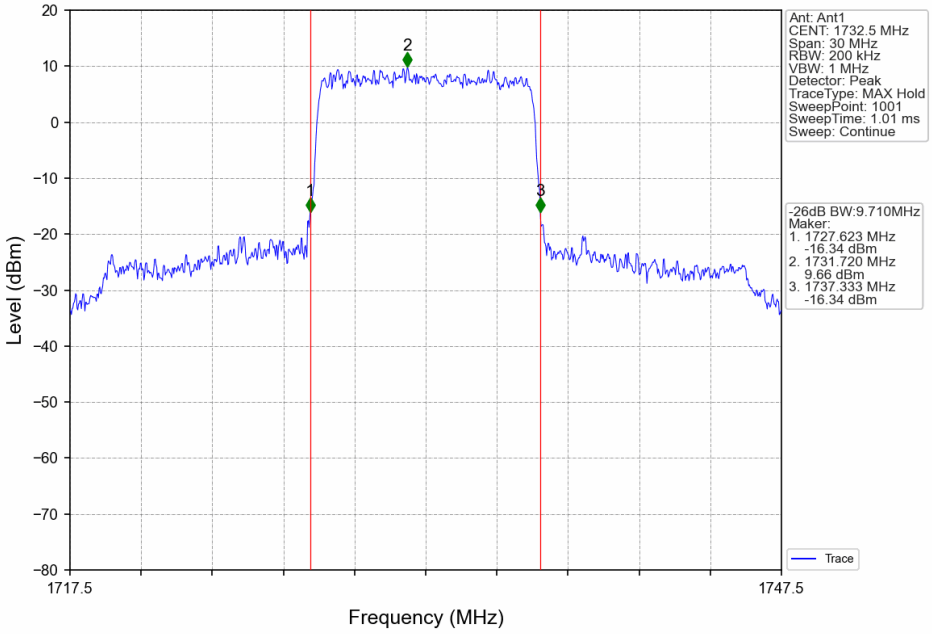
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