

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	23.26	-0.50	22.76	<=30	Pass
			2	23.32	-0.50	22.82	<=30	Pass
			5	23.37	-0.50	22.87	<=30	Pass
		3	0	23.32	-0.50	22.82	<=30	Pass
			2	23.37	-0.50	22.87	<=30	Pass
			3	23.34	-0.50	22.84	<=30	Pass
		6	0	22.27	-0.50	21.77	<=30	Pass
	1732.5	1	0	23.34	-0.50	22.84	<=30	Pass
			2	23.34	-0.50	22.84	<=30	Pass
			5	23.37	-0.50	22.87	<=30	Pass
		3	0	23.29	-0.50	22.79	<=30	Pass
			2	23.36	-0.50	22.86	<=30	Pass
			3	23.21	-0.50	22.71	<=30	Pass
		6	0	22.32	-0.50	21.82	<=30	Pass
	1754.3	1	0	23.37	-0.50	22.87	<=30	Pass
			2	23.17	-0.50	22.67	<=30	Pass
			5	23.19	-0.50	22.69	<=30	Pass
		3	0	23.30	-0.50	22.80	<=30	Pass
			2	23.18	-0.50	22.68	<=30	Pass
			3	23.25	-0.50	22.75	<=30	Pass
		6	0	22.15	-0.50	21.65	<=30	Pass
16QAM	1710.7	1	0	22.56	-0.50	22.06	<=30	Pass
			2	22.53	-0.50	22.03	<=30	Pass
			5	22.61	-0.50	22.11	<=30	Pass
		3	0	22.64	-0.50	22.14	<=30	Pass
			2	22.62	-0.50	22.12	<=30	Pass
			3	22.65	-0.50	22.15	<=30	Pass
		6	0	21.58	-0.50	21.08	<=30	Pass
	1732.5	1	0	21.81	-0.50	21.31	<=30	Pass
			2	21.78	-0.50	21.28	<=30	Pass
			5	21.81	-0.50	21.31	<=30	Pass
		3	0	22.09	-0.50	21.59	<=30	Pass
			2	22.05	-0.50	21.55	<=30	Pass
			3	22.11	-0.50	21.61	<=30	Pass
		6	0	21.39	-0.50	20.89	<=30	Pass
	1754.3	1	0	22.76	-0.50	22.26	<=30	Pass
			2	22.84	-0.50	22.34	<=30	Pass
			5	22.75	-0.50	22.25	<=30	Pass
		3	0	21.81	-0.50	21.31	<=30	Pass
			2	21.75	-0.50	21.25	<=30	Pass
			3	21.81	-0.50	21.31	<=30	Pass
		6	0	21.30	-0.50	20.80	<=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	23.23	-0.50	22.73	<=30	Pass
			7	23.22	-0.50	22.72	<=30	Pass
			14	23.22	-0.50	22.72	<=30	Pass
		8	0	22.21	-0.50	21.71	<=30	Pass
			4	22.25	-0.50	21.75	<=30	Pass
			7	22.20	-0.50	21.70	<=30	Pass
		15	0	22.28	-0.50	21.78	<=30	Pass
	1732.5	1	0	23.16	-0.50	22.66	<=30	Pass
			7	23.19	-0.50	22.69	<=30	Pass
			14	23.17	-0.50	22.67	<=30	Pass
		8	0	22.16	-0.50	21.66	<=30	Pass
			4	22.25	-0.50	21.75	<=30	Pass
			7	22.23	-0.50	21.73	<=30	Pass
		15	0	22.21	-0.50	21.71	<=30	Pass
	1753.5	1	0	23.42	-0.50	22.92	<=30	Pass
			7	23.44	-0.50	22.94	<=30	Pass
			14	23.39	-0.50	22.89	<=30	Pass
		8	0	22.28	-0.50	21.78	<=30	Pass
			4	22.17	-0.50	21.67	<=30	Pass
			7	22.14	-0.50	21.64	<=30	Pass
		15	0	22.31	-0.50	21.81	<=30	Pass
16QAM	1711.5	1	0	22.77	-0.50	22.27	<=30	Pass
			7	22.72	-0.50	22.22	<=30	Pass
			14	22.71	-0.50	22.21	<=30	Pass
		8	0	21.67	-0.50	21.17	<=30	Pass
			4	21.68	-0.50	21.18	<=30	Pass
			7	21.72	-0.50	21.22	<=30	Pass
		15	0	21.41	-0.50	20.91	<=30	Pass
	1732.5	1	0	22.81	-0.50	22.31	<=30	Pass
			7	22.82	-0.50	22.32	<=30	Pass
			14	22.82	-0.50	22.32	<=30	Pass
		8	0	21.46	-0.50	20.96	<=30	Pass
			4	21.47	-0.50	20.97	<=30	Pass
			7	21.46	-0.50	20.96	<=30	Pass
		15	0	21.42	-0.50	20.92	<=30	Pass
	1753.5	1	0	22.00	-0.50	21.50	<=30	Pass
			7	21.89	-0.50	21.39	<=30	Pass
			14	21.96	-0.50	21.46	<=30	Pass
		8	0	21.55	-0.50	21.05	<=30	Pass
4			21.56	-0.50	21.06	<=30	Pass	
7			21.53	-0.50	21.03	<=30	Pass	
15		0	21.32	-0.50	20.82	<=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	23.22	-0.50	22.72	<=30	Pass
			13	23.26	-0.50	22.76	<=30	Pass
			24	23.18	-0.50	22.68	<=30	Pass
		12	0	22.34	-0.50	21.84	<=30	Pass
			6	22.28	-0.50	21.78	<=30	Pass
			13	22.37	-0.50	21.87	<=30	Pass
		25	0	22.34	-0.50	21.84	<=30	Pass
	1732.5	1	0	23.30	-0.50	22.80	<=30	Pass
			13	23.30	-0.50	22.80	<=30	Pass
			24	23.32	-0.50	22.82	<=30	Pass
		12	0	22.18	-0.50	21.68	<=30	Pass
			6	22.26	-0.50	21.76	<=30	Pass
			13	22.17	-0.50	21.67	<=30	Pass
		25	0	22.26	-0.50	21.76	<=30	Pass
	1752.5	1	0	22.98	-0.50	22.48	<=30	Pass
			13	23.03	-0.50	22.53	<=30	Pass
			24	22.93	-0.50	22.43	<=30	Pass
		12	0	22.15	-0.50	21.65	<=30	Pass
			6	22.30	-0.50	21.80	<=30	Pass
			13	22.12	-0.50	21.62	<=30	Pass
		25	0	22.15	-0.50	21.65	<=30	Pass
16QAM	1712.5	1	0	21.60	-0.50	21.10	<=30	Pass
			13	21.51	-0.50	21.01	<=30	Pass
			24	21.49	-0.50	20.99	<=30	Pass
		12	0	21.39	-0.50	20.89	<=30	Pass
			6	21.38	-0.50	20.88	<=30	Pass
			13	21.39	-0.50	20.89	<=30	Pass
		25	0	21.53	-0.50	21.03	<=30	Pass
	1732.5	1	0	22.48	-0.50	21.98	<=30	Pass
			13	22.50	-0.50	22.00	<=30	Pass
			24	22.50	-0.50	22.00	<=30	Pass
		12	0	21.34	-0.50	20.84	<=30	Pass
			6	21.34	-0.50	20.84	<=30	Pass
			13	21.43	-0.50	20.93	<=30	Pass
		25	0	21.42	-0.50	20.92	<=30	Pass
	1752.5	1	0	22.28	-0.50	21.78	<=30	Pass
			13	22.34	-0.50	21.84	<=30	Pass
			24	22.23	-0.50	21.73	<=30	Pass
		12	0	21.26	-0.50	20.76	<=30	Pass
			6	21.23	-0.50	20.73	<=30	Pass
			13	21.25	-0.50	20.75	<=30	Pass
		25	0	21.36	-0.50	20.86	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.28	-0.50	22.78	<=30	Pass
			25	23.21	-0.50	22.71	<=30	Pass
			49	23.23	-0.50	22.73	<=30	Pass
		25	0	22.22	-0.50	21.72	<=30	Pass
			13	22.22	-0.50	21.72	<=30	Pass
			25	22.25	-0.50	21.75	<=30	Pass
		50	0	22.33	-0.50	21.83	<=30	Pass
	1732.5	1	0	23.24	-0.50	22.74	<=30	Pass
			25	23.23	-0.50	22.73	<=30	Pass
			49	23.24	-0.50	22.74	<=30	Pass
		25	0	22.08	-0.50	21.58	<=30	Pass
			13	22.12	-0.50	21.62	<=30	Pass
			25	22.13	-0.50	21.63	<=30	Pass
		50	0	22.13	-0.50	21.63	<=30	Pass
	1750	1	0	23.26	-0.50	22.76	<=30	Pass
			25	23.22	-0.50	22.72	<=30	Pass
			49	23.23	-0.50	22.73	<=30	Pass
		25	0	22.11	-0.50	21.61	<=30	Pass
			13	22.26	-0.50	21.76	<=30	Pass
			25	22.19	-0.50	21.69	<=30	Pass
		50	0	22.28	-0.50	21.78	<=30	Pass
16QAM	1715	1	0	22.74	-0.50	22.24	<=30	Pass
			25	22.74	-0.50	22.24	<=30	Pass
			49	22.67	-0.50	22.17	<=30	Pass
		25	0	21.36	-0.50	20.86	<=30	Pass
			13	21.35	-0.50	20.85	<=30	Pass
			25	21.34	-0.50	20.84	<=30	Pass
		50	0	21.32	-0.50	20.82	<=30	Pass
	1732.5	1	0	22.43	-0.50	21.93	<=30	Pass
			25	22.38	-0.50	21.88	<=30	Pass
			49	22.43	-0.50	21.93	<=30	Pass
		25	0	21.42	-0.50	20.92	<=30	Pass
			13	21.43	-0.50	20.93	<=30	Pass
			25	21.47	-0.50	20.97	<=30	Pass
		50	0	21.38	-0.50	20.88	<=30	Pass
	1750	1	0	22.34	-0.50	21.84	<=30	Pass
			25	22.23	-0.50	21.73	<=30	Pass
			49	22.24	-0.50	21.74	<=30	Pass
		25	0	21.38	-0.50	20.88	<=30	Pass
			13	21.37	-0.50	20.87	<=30	Pass
			25	21.36	-0.50	20.86	<=30	Pass
		50	0	21.40	-0.50	20.90	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.28	-0.50	22.78	<=30	Pass
			38	23.22	-0.50	22.72	<=30	Pass
			74	23.20	-0.50	22.70	<=30	Pass
		36	0	22.39	-0.50	21.89	<=30	Pass
			18	22.26	-0.50	21.76	<=30	Pass
			39	22.35	-0.50	21.85	<=30	Pass
		75	0	22.23	-0.50	21.73	<=30	Pass
	1732.5	1	0	23.28	-0.50	22.78	<=30	Pass
			38	23.23	-0.50	22.73	<=30	Pass
			74	23.24	-0.50	22.74	<=30	Pass
		36	0	22.33	-0.50	21.83	<=30	Pass
			18	22.19	-0.50	21.69	<=30	Pass
			39	22.17	-0.50	21.67	<=30	Pass
		75	0	22.32	-0.50	21.82	<=30	Pass
	1747.5	1	0	23.41	-0.50	22.91	<=30	Pass
			38	23.35	-0.50	22.85	<=30	Pass
			74	23.31	-0.50	22.81	<=30	Pass
		36	0	22.33	-0.50	21.83	<=30	Pass
			18	22.29	-0.50	21.79	<=30	Pass
			39	22.13	-0.50	21.63	<=30	Pass
		75	0	22.17	-0.50	21.67	<=30	Pass
16QAM	1717.5	1	0	22.81	-0.50	22.31	<=30	Pass
			38	22.72	-0.50	22.22	<=30	Pass
			74	22.73	-0.50	22.23	<=30	Pass
		36	0	21.40	-0.50	20.90	<=30	Pass
			18	21.36	-0.50	20.86	<=30	Pass
			39	21.40	-0.50	20.90	<=30	Pass
		75	0	21.37	-0.50	20.87	<=30	Pass
	1732.5	1	0	22.45	-0.50	21.95	<=30	Pass
			38	22.43	-0.50	21.93	<=30	Pass
			74	22.43	-0.50	21.93	<=30	Pass
		36	0	21.44	-0.50	20.94	<=30	Pass
			18	21.42	-0.50	20.92	<=30	Pass
			39	21.39	-0.50	20.89	<=30	Pass
		75	0	21.46	-0.50	20.96	<=30	Pass
	1747.5	1	0	22.60	-0.50	22.10	<=30	Pass
			38	22.62	-0.50	22.12	<=30	Pass
			74	22.57	-0.50	22.07	<=30	Pass
		36	0	21.42	-0.50	20.92	<=30	Pass
			18	21.41	-0.50	20.91	<=30	Pass
			39	21.39	-0.50	20.89	<=30	Pass
		75	0	21.39	-0.50	20.89	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.35	-0.50	22.85	<=30	Pass
			50	23.27	-0.50	22.77	<=30	Pass
			99	23.33	-0.50	22.83	<=30	Pass
		50	0	22.21	-0.50	21.71	<=30	Pass
			25	22.17	-0.50	21.67	<=30	Pass
			50	22.29	-0.50	21.79	<=30	Pass
		100	0	22.27	-0.50	21.77	<=30	Pass
	1732.5	1	0	23.35	-0.50	22.85	<=30	Pass
			50	23.31	-0.50	22.81	<=30	Pass
			99	23.32	-0.50	22.82	<=30	Pass
		50	0	22.20	-0.50	21.70	<=30	Pass
			25	22.28	-0.50	21.78	<=30	Pass
			50	22.34	-0.50	21.84	<=30	Pass
		100	0	22.26	-0.50	21.76	<=30	Pass
	1745	1	0	23.34	-0.50	22.84	<=30	Pass
			50	23.31	-0.50	22.81	<=30	Pass
			99	23.32	-0.50	22.82	<=30	Pass
		50	0	22.28	-0.50	21.78	<=30	Pass
			25	22.23	-0.50	21.73	<=30	Pass
			50	22.20	-0.50	21.70	<=30	Pass
		100	0	22.15	-0.50	21.65	<=30	Pass
16QAM	1720	1	0	22.31	-0.50	21.81	<=30	Pass
			50	22.28	-0.50	21.78	<=30	Pass
			99	22.29	-0.50	21.79	<=30	Pass
		50	0	21.49	-0.50	20.99	<=30	Pass
			25	21.43	-0.50	20.93	<=30	Pass
			50	21.47	-0.50	20.97	<=30	Pass
		100	0	21.37	-0.50	20.87	<=30	Pass
	1732.5	1	0	22.94	-0.50	22.44	<=30	Pass
			50	22.85	-0.50	22.35	<=30	Pass
			99	22.81	-0.50	22.31	<=30	Pass
		50	0	21.51	-0.50	21.01	<=30	Pass
			25	21.53	-0.50	21.03	<=30	Pass
			50	21.46	-0.50	20.96	<=30	Pass
		100	0	21.29	-0.50	20.79	<=30	Pass
	1745	1	0	22.93	-0.50	22.43	<=30	Pass
			50	22.85	-0.50	22.35	<=30	Pass
			99	22.86	-0.50	22.36	<=30	Pass
		50	0	21.38	-0.50	20.88	<=30	Pass
			25	21.31	-0.50	20.81	<=30	Pass
			50	21.33	-0.50	20.83	<=30	Pass
		100	0	21.39	-0.50	20.89	<=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	0.34	0.00	-2.5 to 2.5	Pass
					3.85	5.55	0.00	-2.5 to 2.5	Pass
					4.43	11.60	0.01	-2.5 to 2.5	Pass
				-30	3.85	15.84	0.01	-2.5 to 2.5	Pass
				-20	3.85	20.13	0.01	-2.5 to 2.5	Pass
				-10	3.85	24.09	0.01	-2.5 to 2.5	Pass
				0	3.85	28.18	0.02	-2.5 to 2.5	Pass
				10	3.85	30.48	0.02	-2.5 to 2.5	Pass
				30	3.85	33.93	0.02	-2.5 to 2.5	Pass
				40	3.85	36.12	0.02	-2.5 to 2.5	Pass
				50	3.85	38.44	0.02	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-23.10	-0.01	-2.5 to 2.5	Pass
					3.85	-25.16	-0.01	-2.5 to 2.5	Pass
					4.43	-28.61	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-28.78	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-30.20	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-32.74	-0.02	-2.5 to 2.5	Pass
				0	3.85	-34.40	-0.02	-2.5 to 2.5	Pass
				10	3.85	-35.63	-0.02	-2.5 to 2.5	Pass
				30	3.85	-37.82	-0.02	-2.5 to 2.5	Pass
				40	3.85	-39.50	-0.02	-2.5 to 2.5	Pass
				50	3.85	-41.24	-0.02	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	4.78	0.00	-2.5 to 2.5	Pass
					3.85	4.16	0.00	-2.5 to 2.5	Pass
					4.43	3.36	0.00	-2.5 to 2.5	Pass
				-30	3.85	4.08	0.00	-2.5 to 2.5	Pass
				-20	3.85	4.09	0.00	-2.5 to 2.5	Pass
				-10	3.85	3.59	0.00	-2.5 to 2.5	Pass
				0	3.85	3.55	0.00	-2.5 to 2.5	Pass
				10	3.85	1.47	0.00	-2.5 to 2.5	Pass
				30	3.85	1.27	0.00	-2.5 to 2.5	Pass
				40	3.85	2.45	0.00	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-10.50	-0.01	-2.5 to 2.5	Pass
					3.85	-12.56	-0.01	-2.5 to 2.5	Pass
					4.43	-14.15	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-15.56	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-18.14	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-20.51	-0.01	-2.5 to 2.5	Pass
				0	3.85	-22.85	-0.01	-2.5 to 2.5	Pass
				10	3.85	-24.53	-0.01	-2.5 to 2.5	Pass
				30	3.85	-27.17	-0.02	-2.5 to 2.5	Pass
				40	3.85	-29.83	-0.02	-2.5 to 2.5	Pass
				50	3.85	-30.86	-0.02	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	8.70	0.01	-2.5 to 2.5	Pass
					3.85	7.95	0.00	-2.5 to 2.5	Pass

					4.43	8.45	0.00	-2.5 to 2.5	Pass
				-30	3.85	6.68	0.00	-2.5 to 2.5	Pass
				-20	3.85	5.18	0.00	-2.5 to 2.5	Pass
				-10	3.85	5.54	0.00	-2.5 to 2.5	Pass
				0	3.85	3.78	0.00	-2.5 to 2.5	Pass
				10	3.85	3.40	0.00	-2.5 to 2.5	Pass
				30	3.85	2.78	0.00	-2.5 to 2.5	Pass
				40	3.85	1.29	0.00	-2.5 to 2.5	Pass
				50	3.85	0.67	0.00	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-26.72	-0.02	-2.5 to 2.5	Pass
					3.85	-27.78	-0.02	-2.5 to 2.5	Pass
					4.43	-25.79	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-25.69	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-25.03	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-26.44	-0.02	-2.5 to 2.5	Pass
				0	3.85	-26.38	-0.01	-2.5 to 2.5	Pass
				10	3.85	-27.48	-0.02	-2.5 to 2.5	Pass
				30	3.85	-27.79	-0.02	-2.5 to 2.5	Pass
				40	3.85	-28.28	-0.02	-2.5 to 2.5	Pass
				50	3.85	-27.87	-0.02	-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	-18.17	-0.01	-2.5 to 2.5	Pass
					3.85	-20.84	-0.01	-2.5 to 2.5	Pass
					4.43	-22.56	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-25.28	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-26.65	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-29.11	-0.02	-2.5 to 2.5	Pass
				0	3.85	-31.73	-0.02	-2.5 to 2.5	Pass
				10	3.85	-33.86	-0.02	-2.5 to 2.5	Pass
				30	3.85	-36.18	-0.02	-2.5 to 2.5	Pass
				40	3.85	10.24	0.01	-2.5 to 2.5	Pass
				50	3.85	8.81	0.01	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-1.95	-0.00	-2.5 to 2.5	Pass
					3.85	-3.53	-0.00	-2.5 to 2.5	Pass
					4.43	-5.79	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-8.24	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-10.07	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-10.91	-0.01	-2.5 to 2.5	Pass
				0	3.85	-12.95	-0.01	-2.5 to 2.5	Pass
				10	3.85	-15.68	-0.01	-2.5 to 2.5	Pass
				30	3.85	-16.89	-0.01	-2.5 to 2.5	Pass
				40	3.85	-18.97	-0.01	-2.5 to 2.5	Pass
				50	3.85	-20.00	-0.01	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-2.30	-0.00	-2.5 to 2.5	Pass
					3.85	-2.60	-0.00	-2.5 to 2.5	Pass
					4.43	0.94	0.00	-2.5 to 2.5	Pass
				-30	3.85	3.79	0.00	-2.5 to 2.5	Pass
				-20	3.85	4.85	0.00	-2.5 to 2.5	Pass
				-10	3.85	7.94	0.00	-2.5 to 2.5	Pass
				0	3.85	10.30	0.01	-2.5 to 2.5	Pass
				10	3.85	14.52	0.01	-2.5 to 2.5	Pass
				30	3.85	15.25	0.01	-2.5 to 2.5	Pass
				40	3.85	16.29	0.01	-2.5 to 2.5	Pass
				50	3.85	19.43	0.01	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-20.38	-0.01	-2.5 to 2.5	Pass
					3.85	-21.96	-0.01	-2.5 to 2.5	Pass
					4.43	-22.83	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-24.82	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-25.79	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-26.66	-0.02	-2.5 to 2.5	Pass
				0	3.85	-28.15	-0.02	-2.5 to 2.5	Pass
				10	3.85	-31.19	-0.02	-2.5 to 2.5	Pass
				30	3.85	-31.99	-0.02	-2.5 to 2.5	Pass
				40	3.85	-32.53	-0.02	-2.5 to 2.5	Pass
				50	3.85	-34.03	-0.02	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-3.60	-0.00	-2.5 to 2.5	Pass
					3.85	-1.97	-0.00	-2.5 to 2.5	Pass
					4.43	-2.12	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-0.69	-0.00	-2.5 to 2.5	Pass
				-20	3.85	1.29	0.00	-2.5 to 2.5	Pass

				-10	3.85	1.29	0.00	-2.5 to 2.5	Pass
				0	3.85	2.76	0.00	-2.5 to 2.5	Pass
				10	3.85	3.12	0.00	-2.5 to 2.5	Pass
				30	3.85	5.22	0.00	-2.5 to 2.5	Pass
				40	3.85	6.61	0.00	-2.5 to 2.5	Pass
				50	3.85	7.45	0.00	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	36.16	0.02	-2.5 to 2.5	Pass
					3.85	39.10	0.02	-2.5 to 2.5	Pass
					4.43	40.15	0.02	-2.5 to 2.5	Pass
				-30	3.85	-18.77	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-16.18	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-12.77	-0.01	-2.5 to 2.5	Pass
				0	3.85	-9.70	-0.01	-2.5 to 2.5	Pass
				10	3.85	-9.43	-0.01	-2.5 to 2.5	Pass
				30	3.85	-6.44	-0.00	-2.5 to 2.5	Pass
				40	3.85	-3.16	-0.00	-2.5 to 2.5	Pass
				50	3.85	-2.45	-0.00	-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	-11.97	-0.01	-2.5 to 2.5	Pass
					3.85	-18.21	-0.01	-2.5 to 2.5	Pass
					4.43	-25.03	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-30.14	-0.02	-2.5 to 2.5	Pass
				-20	3.85	0.07	0.00	-2.5 to 2.5	Pass
				-10	3.85	-7.20	-0.00	-2.5 to 2.5	Pass
				0	3.85	-12.46	-0.01	-2.5 to 2.5	Pass
				10	3.85	-18.35	-0.01	-2.5 to 2.5	Pass
				30	3.85	-22.24	-0.01	-2.5 to 2.5	Pass
				40	3.85	-28.18	-0.02	-2.5 to 2.5	Pass
				50	3.85	-34.56	-0.02	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-0.36	-0.00	-2.5 to 2.5	Pass
					3.85	-2.22	-0.00	-2.5 to 2.5	Pass
					4.43	-4.84	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-6.69	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-6.25	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-8.03	-0.00	-2.5 to 2.5	Pass
				0	3.85	-9.73	-0.01	-2.5 to 2.5	Pass
				10	3.85	-10.11	-0.01	-2.5 to 2.5	Pass
				30	3.85	-11.54	-0.01	-2.5 to 2.5	Pass
				40	3.85	-12.57	-0.01	-2.5 to 2.5	Pass
				50	3.85	-13.42	-0.01	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-6.27	-0.00	-2.5 to 2.5	Pass
					3.85	-6.68	-0.00	-2.5 to 2.5	Pass
					4.43	-7.54	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-7.87	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-8.14	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-8.58	-0.00	-2.5 to 2.5	Pass
				0	3.85	-9.13	-0.01	-2.5 to 2.5	Pass
				10	3.85	-10.46	-0.01	-2.5 to 2.5	Pass
				30	3.85	-10.77	-0.01	-2.5 to 2.5	Pass
				40	3.85	-11.47	-0.01	-2.5 to 2.5	Pass
				50	3.85	-11.62	-0.01	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	7.85	0.00	-2.5 to 2.5	Pass
					3.85	8.28	0.00	-2.5 to 2.5	Pass
					4.43	8.55	0.01	-2.5 to 2.5	Pass
				-30	3.85	9.17	0.01	-2.5 to 2.5	Pass
				-20	3.85	8.71	0.01	-2.5 to 2.5	Pass
				-10	3.85	8.24	0.00	-2.5 to 2.5	Pass
				0	3.85	8.14	0.00	-2.5 to 2.5	Pass
				10	3.85	7.75	0.00	-2.5 to 2.5	Pass
				30	3.85	6.81	0.00	-2.5 to 2.5	Pass
				40	3.85	7.72	0.00	-2.5 to 2.5	Pass
				50	3.85	6.74	0.00	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	23.16	0.01	-2.5 to 2.5	Pass
					3.85	24.98	0.01	-2.5 to 2.5	Pass
					4.43	27.35	0.02	-2.5 to 2.5	Pass
				-30	3.85	28.38	0.02	-2.5 to 2.5	Pass
				-20	3.85	30.78	0.02	-2.5 to 2.5	Pass

				-10	3.85	32.19	0.02	-2.5 to 2.5	Pass
				0	3.85	34.13	0.02	-2.5 to 2.5	Pass
				10	3.85	34.65	0.02	-2.5 to 2.5	Pass
				30	3.85	36.06	0.02	-2.5 to 2.5	Pass
				40	3.85	39.24	0.02	-2.5 to 2.5	Pass
				50	3.85	38.97	0.02	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-1.72	-0.00	-2.5 to 2.5	Pass
					3.85	-2.68	-0.00	-2.5 to 2.5	Pass
					4.43	-3.91	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-3.92	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-4.79	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-5.48	-0.00	-2.5 to 2.5	Pass
				0	3.85	-7.22	-0.00	-2.5 to 2.5	Pass
				10	3.85	-7.65	-0.00	-2.5 to 2.5	Pass
				30	3.85	-9.18	-0.01	-2.5 to 2.5	Pass
				40	3.85	-10.90	-0.01	-2.5 to 2.5	Pass
				50	3.85	-11.63	-0.01	-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	-16.71	-0.01	-2.5 to 2.5	Pass
					3.85	-18.85	-0.01	-2.5 to 2.5	Pass
					4.43	-21.23	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-23.49	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-25.79	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-28.81	-0.02	-2.5 to 2.5	Pass
				0	3.85	-30.97	-0.02	-2.5 to 2.5	Pass
				10	3.85	-33.27	-0.02	-2.5 to 2.5	Pass
				30	3.85	-36.39	-0.02	-2.5 to 2.5	Pass
				40	3.85	-38.95	-0.02	-2.5 to 2.5	Pass
				50	3.85	-40.31	-0.02	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-5.41	-0.00	-2.5 to 2.5	Pass
					3.85	-6.82	-0.00	-2.5 to 2.5	Pass
					4.43	-7.14	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-7.58	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-8.41	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-9.50	-0.01	-2.5 to 2.5	Pass
				0	3.85	-9.76	-0.01	-2.5 to 2.5	Pass
				10	3.85	-11.32	-0.01	-2.5 to 2.5	Pass
				30	3.85	-11.09	-0.01	-2.5 to 2.5	Pass
				40	3.85	-11.27	-0.01	-2.5 to 2.5	Pass
				50	3.85	-11.97	-0.01	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-7.60	-0.00	-2.5 to 2.5	Pass
					3.85	-6.94	-0.00	-2.5 to 2.5	Pass
					4.43	-7.98	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-8.94	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-8.08	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-9.60	-0.01	-2.5 to 2.5	Pass
				0	3.85	-9.71	-0.01	-2.5 to 2.5	Pass
				10	3.85	-9.61	-0.01	-2.5 to 2.5	Pass
				30	3.85	-10.10	-0.01	-2.5 to 2.5	Pass
				40	3.85	-11.00	-0.01	-2.5 to 2.5	Pass
				50	3.85	-11.49	-0.01	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-26.91	-0.02	-2.5 to 2.5	Pass
					3.85	-27.51	-0.02	-2.5 to 2.5	Pass
					4.43	-28.30	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-27.89	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-29.54	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-29.94	-0.02	-2.5 to 2.5	Pass
				0	3.85	-30.68	-0.02	-2.5 to 2.5	Pass
				10	3.85	-31.14	-0.02	-2.5 to 2.5	Pass
				30	3.85	-31.63	-0.02	-2.5 to 2.5	Pass
				40	3.85	-32.93	-0.02	-2.5 to 2.5	Pass
				50	3.85	-33.27	-0.02	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-5.05	-0.00	-2.5 to 2.5	Pass
					3.85	-6.19	-0.00	-2.5 to 2.5	Pass
					4.43	-6.65	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-7.48	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-7.34	-0.00	-2.5 to 2.5	Pass

				-10	3.85	-8.61	-0.01	-2.5 to 2.5	Pass
				0	3.85	-8.38	-0.00	-2.5 to 2.5	Pass
				10	3.85	-9.21	-0.01	-2.5 to 2.5	Pass
				30	3.85	-9.77	-0.01	-2.5 to 2.5	Pass
				40	3.85	-9.50	-0.01	-2.5 to 2.5	Pass
				50	3.85	-12.06	-0.01	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	3.66	0.00	-2.5 to 2.5	Pass
					3.85	3.19	0.00	-2.5 to 2.5	Pass
					4.43	3.86	0.00	-2.5 to 2.5	Pass
				-30	3.85	3.55	0.00	-2.5 to 2.5	Pass
				-20	3.85	4.51	0.00	-2.5 to 2.5	Pass
				-10	3.85	5.59	0.00	-2.5 to 2.5	Pass
				0	3.85	5.04	0.00	-2.5 to 2.5	Pass
				10	3.85	4.82	0.00	-2.5 to 2.5	Pass
				30	3.85	5.14	0.00	-2.5 to 2.5	Pass
				40	3.85	5.16	0.00	-2.5 to 2.5	Pass
				50	3.85	3.86	0.00	-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	-3.25	-0.00	-2.5 to 2.5	Pass
					3.85	-6.51	-0.00	-2.5 to 2.5	Pass
					4.43	-9.01	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-11.72	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-14.79	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-17.64	-0.01	-2.5 to 2.5	Pass
				0	3.85	-19.44	-0.01	-2.5 to 2.5	Pass
				10	3.85	-22.92	-0.01	-2.5 to 2.5	Pass
				30	3.85	-27.09	-0.02	-2.5 to 2.5	Pass
				40	3.85	-29.60	-0.02	-2.5 to 2.5	Pass
				50	3.85	-33.13	-0.02	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	1.90	0.00	-2.5 to 2.5	Pass
					3.85	-0.16	-0.00	-2.5 to 2.5	Pass
					4.43	-2.07	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-3.03	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-5.26	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-5.36	-0.00	-2.5 to 2.5	Pass
				0	3.85	-7.05	-0.00	-2.5 to 2.5	Pass
				10	3.85	-9.66	-0.01	-2.5 to 2.5	Pass
				30	3.85	-11.17	-0.01	-2.5 to 2.5	Pass
				40	3.85	-11.63	-0.01	-2.5 to 2.5	Pass
				50	3.85	-13.33	-0.01	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-17.29	-0.01	-2.5 to 2.5	Pass
					3.85	-15.58	-0.01	-2.5 to 2.5	Pass
					4.43	-14.39	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-11.17	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-9.20	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-8.67	-0.01	-2.5 to 2.5	Pass
				0	3.85	-7.57	-0.00	-2.5 to 2.5	Pass
				10	3.85	-5.54	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.48	-0.00	-2.5 to 2.5	Pass
				40	3.85	-1.39	-0.00	-2.5 to 2.5	Pass
				50	3.85	1.13	0.00	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-13.46	-0.01	-2.5 to 2.5	Pass
					3.85	-14.65	-0.01	-2.5 to 2.5	Pass
					4.43	-15.52	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-16.44	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-15.81	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-15.48	-0.01	-2.5 to 2.5	Pass
				0	3.85	-15.69	-0.01	-2.5 to 2.5	Pass
				10	3.85	-16.44	-0.01	-2.5 to 2.5	Pass
				30	3.85	-16.24	-0.01	-2.5 to 2.5	Pass
				40	3.85	-17.07	-0.01	-2.5 to 2.5	Pass
				50	3.85	-18.12	-0.01	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-6.44	-0.00	-2.5 to 2.5	Pass
					3.85	-4.91	-0.00	-2.5 to 2.5	Pass
					4.43	-3.19	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-1.57	-0.00	-2.5 to 2.5	Pass
				-20	3.85	1.77	0.00	-2.5 to 2.5	Pass

				-10	3.85	4.32	0.00	-2.5 to 2.5	Pass
				0	3.85	7.17	0.00	-2.5 to 2.5	Pass
				10	3.85	8.57	0.00	-2.5 to 2.5	Pass
				30	3.85	11.06	0.01	-2.5 to 2.5	Pass
				40	3.85	13.26	0.01	-2.5 to 2.5	Pass
				50	3.85	16.08	0.01	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	6.34	0.00	-2.5 to 2.5	Pass
					3.85	8.31	0.00	-2.5 to 2.5	Pass
					4.43	11.67	0.01	-2.5 to 2.5	Pass
				-30	3.85	14.98	0.01	-2.5 to 2.5	Pass
				-20	3.85	17.65	0.01	-2.5 to 2.5	Pass
				-10	3.85	21.31	0.01	-2.5 to 2.5	Pass
				0	3.85	23.29	0.01	-2.5 to 2.5	Pass
				10	3.85	26.04	0.01	-2.5 to 2.5	Pass
				30	3.85	29.67	0.02	-2.5 to 2.5	Pass
				40	3.85	33.63	0.02	-2.5 to 2.5	Pass
				50	3.85	35.39	0.02	-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	14.36	0.01	-2.5 to 2.5	Pass
					3.85	6.42	0.00	-2.5 to 2.5	Pass
					4.43	-2.90	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-11.63	-0.01	-2.5 to 2.5	Pass
				-20	3.85	-18.87	-0.01	-2.5 to 2.5	Pass
				-10	3.85	-26.12	-0.02	-2.5 to 2.5	Pass
				0	3.85	-9.56	-0.01	-2.5 to 2.5	Pass
				10	3.85	-17.47	-0.01	-2.5 to 2.5	Pass
				30	3.85	-24.65	-0.01	-2.5 to 2.5	Pass
				40	3.85	-31.89	-0.02	-2.5 to 2.5	Pass
				50	3.85	-2.32	-0.00	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	4.16	0.00	-2.5 to 2.5	Pass
					3.85	3.03	0.00	-2.5 to 2.5	Pass
					4.43	2.12	0.00	-2.5 to 2.5	Pass
				-30	3.85	1.53	0.00	-2.5 to 2.5	Pass
				-20	3.85	0.21	0.00	-2.5 to 2.5	Pass
				-10	3.85	-0.89	-0.00	-2.5 to 2.5	Pass
				0	3.85	-2.10	-0.00	-2.5 to 2.5	Pass
				10	3.85	-2.83	-0.00	-2.5 to 2.5	Pass
				30	3.85	-3.92	-0.00	-2.5 to 2.5	Pass
				40	3.85	-3.93	-0.00	-2.5 to 2.5	Pass
				50	3.85	-7.04	-0.00	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-17.55	-0.01	-2.5 to 2.5	Pass
					3.85	-12.99	-0.01	-2.5 to 2.5	Pass
					4.43	-8.68	-0.01	-2.5 to 2.5	Pass
				-30	3.85	-4.46	-0.00	-2.5 to 2.5	Pass
				-20	3.85	0.09	0.00	-2.5 to 2.5	Pass
				-10	3.85	7.34	0.00	-2.5 to 2.5	Pass
				0	3.85	13.58	0.01	-2.5 to 2.5	Pass
				10	3.85	18.98	0.01	-2.5 to 2.5	Pass
				30	3.85	24.65	0.01	-2.5 to 2.5	Pass
				40	3.85	30.60	0.02	-2.5 to 2.5	Pass
				50	3.85	34.79	0.02	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-38.05	-0.02	-2.5 to 2.5	Pass
					3.85	-36.84	-0.02	-2.5 to 2.5	Pass
					4.43	-34.40	-0.02	-2.5 to 2.5	Pass
				-30	3.85	-32.77	-0.02	-2.5 to 2.5	Pass
				-20	3.85	-31.97	-0.02	-2.5 to 2.5	Pass
				-10	3.85	-29.51	-0.02	-2.5 to 2.5	Pass
				0	3.85	-26.35	-0.02	-2.5 to 2.5	Pass
				10	3.85	-26.15	-0.02	-2.5 to 2.5	Pass
				30	3.85	-23.90	-0.01	-2.5 to 2.5	Pass
				40	3.85	-23.26	-0.01	-2.5 to 2.5	Pass
				50	3.85	-22.83	-0.01	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-8.88	-0.01	-2.5 to 2.5	Pass
					3.85	-6.17	-0.00	-2.5 to 2.5	Pass
					4.43	-2.89	-0.00	-2.5 to 2.5	Pass
				-30	3.85	2.22	0.00	-2.5 to 2.5	Pass
				-20	3.85	9.51	0.01	-2.5 to 2.5	Pass

				-10	3.85	14.55	0.01	-2.5 to 2.5	Pass
				0	3.85	19.74	0.01	-2.5 to 2.5	Pass
				10	3.85	25.99	0.01	-2.5 to 2.5	Pass
				30	3.85	30.70	0.02	-2.5 to 2.5	Pass
				40	3.85	35.59	0.02	-2.5 to 2.5	Pass
				50	3.85	39.48	0.02	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	3.19	0.00	-2.5 to 2.5	Pass
					3.85	7.57	0.00	-2.5 to 2.5	Pass
					4.43	14.78	0.01	-2.5 to 2.5	Pass
				-30	3.85	20.20	0.01	-2.5 to 2.5	Pass
				-20	3.85	25.89	0.01	-2.5 to 2.5	Pass
				-10	3.85	32.83	0.02	-2.5 to 2.5	Pass
				0	3.85	36.35	0.02	-2.5 to 2.5	Pass
				10	3.85	20.44	0.01	-2.5 to 2.5	Pass
				30	3.85	24.63	0.01	-2.5 to 2.5	Pass
				40	3.85	30.78	0.02	-2.5 to 2.5	Pass
				50	3.85	6.72	0.00	-2.5 to 2.5	Pass

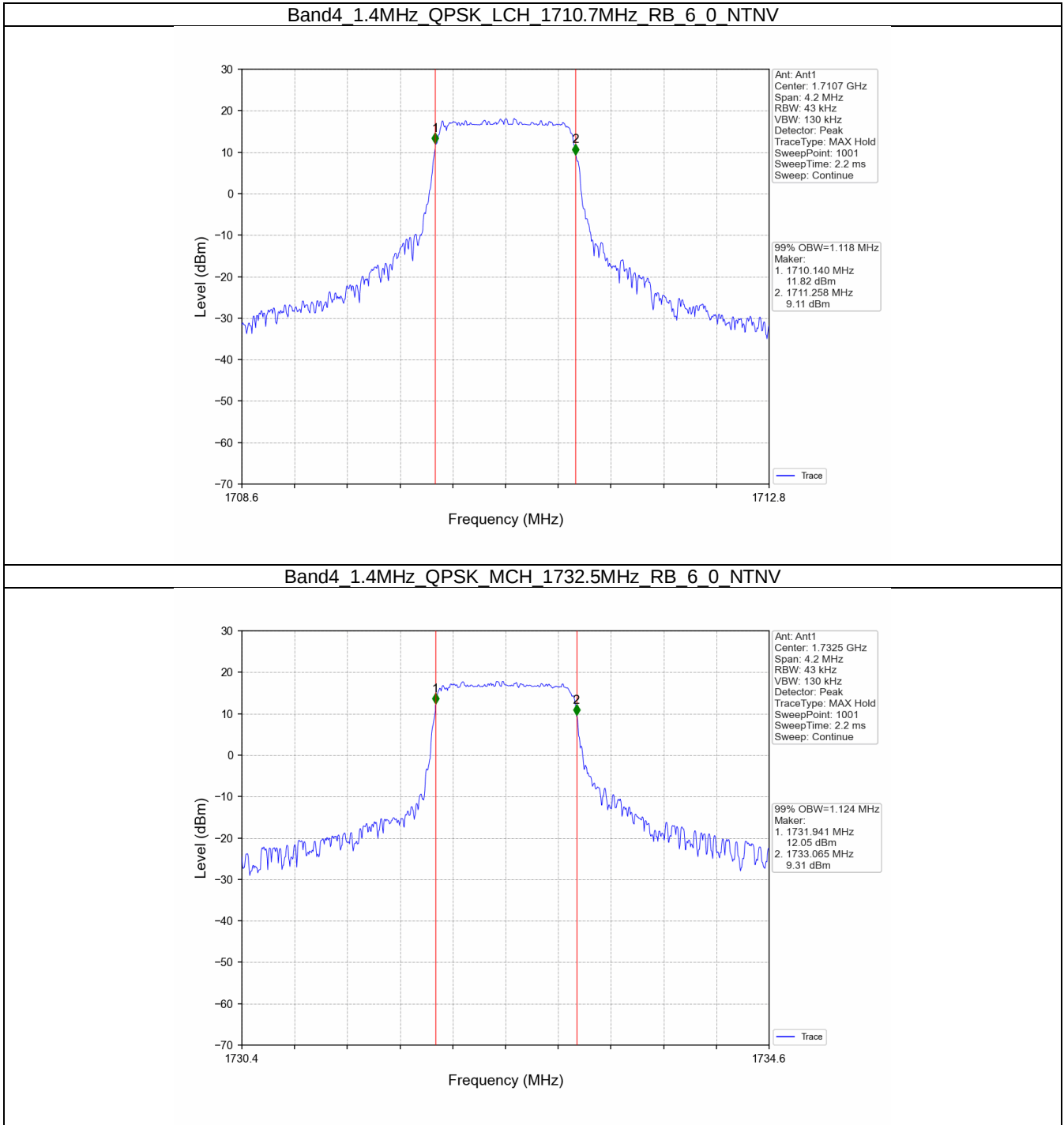
4. 99% & 26dB Bandwidth

4.1 Band4_OBW

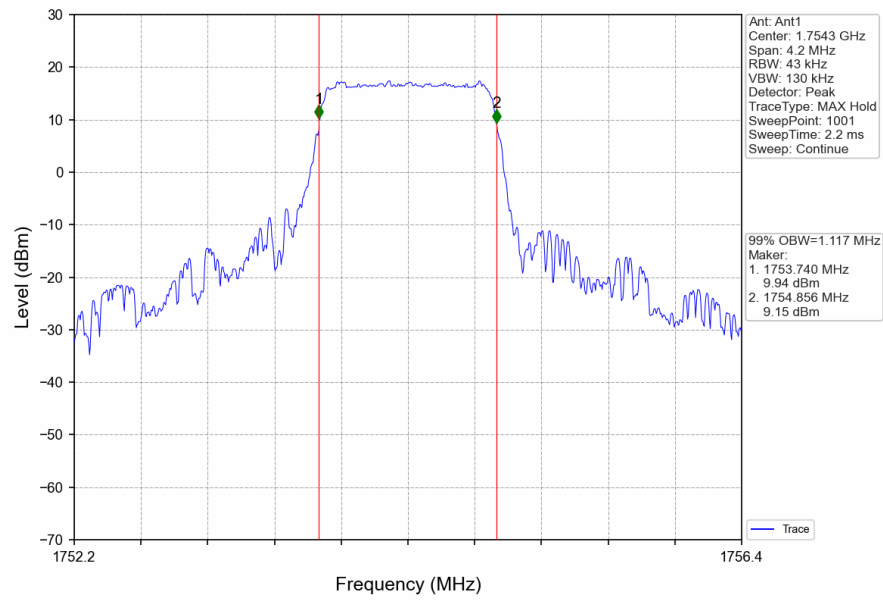
4.1.1 Test Result

Band: 4 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.118	Pass
		1732.5	6	0	1.124	Pass
		1754.3	6	0	1.117	Pass
	16QAM	1710.7	6	0	1.116	Pass
		1732.5	6	0	1.126	Pass
		1754.3	6	0	1.128	Pass
3	QPSK	1711.5	15	0	2.780	Pass
		1732.5	15	0	2.767	Pass
		1753.5	15	0	2.773	Pass
	16QAM	1711.5	15	0	2.785	Pass
		1732.5	15	0	2.745	Pass
		1753.5	15	0	2.783	Pass
5	QPSK	1712.5	25	0	4.578	Pass
		1732.5	25	0	4.553	Pass
		1752.5	25	0	4.558	Pass
	16QAM	1712.5	25	0	4.575	Pass
		1732.5	25	0	4.602	Pass
		1752.5	25	0	4.559	Pass
10	QPSK	1715	50	0	9.065	Pass
		1732.5	50	0	9.045	Pass
		1750	50	0	9.090	Pass
	16QAM	1715	50	0	9.051	Pass
		1732.5	50	0	9.063	Pass
		1750	50	0	9.080	Pass
15	QPSK	1717.5	75	0	13.594	Pass
		1732.5	75	0	13.594	Pass
		1747.5	75	0	13.629	Pass
	16QAM	1717.5	75	0	13.629	Pass
		1732.5	75	0	13.617	Pass
		1747.5	75	0	13.633	Pass
20	QPSK	1720	100	0	18.168	Pass
		1732.5	100	0	18.125	Pass
		1745	100	0	18.164	Pass
	16QAM	1720	100	0	18.160	Pass
		1732.5	100	0	18.125	Pass
		1745	100	0	18.175	Pass

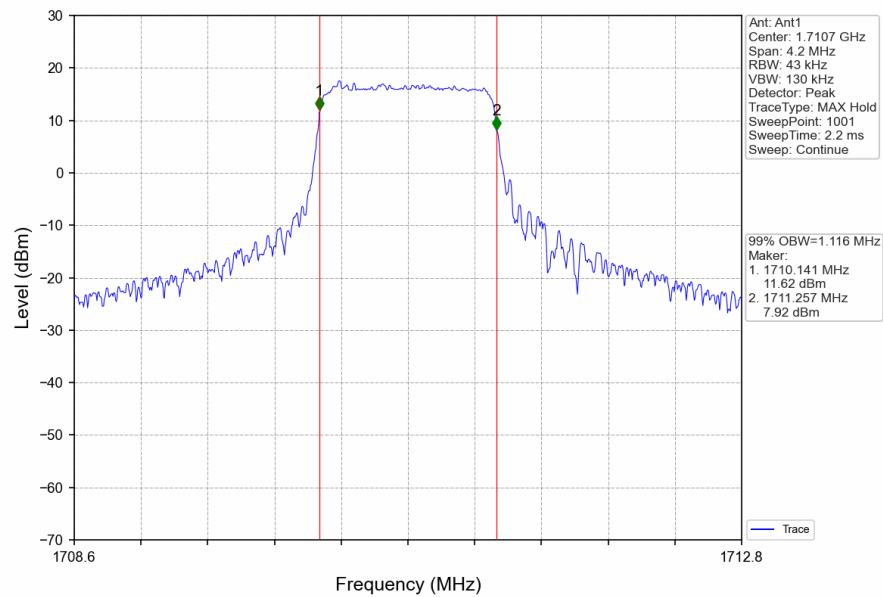
4.1.2 Test Graph



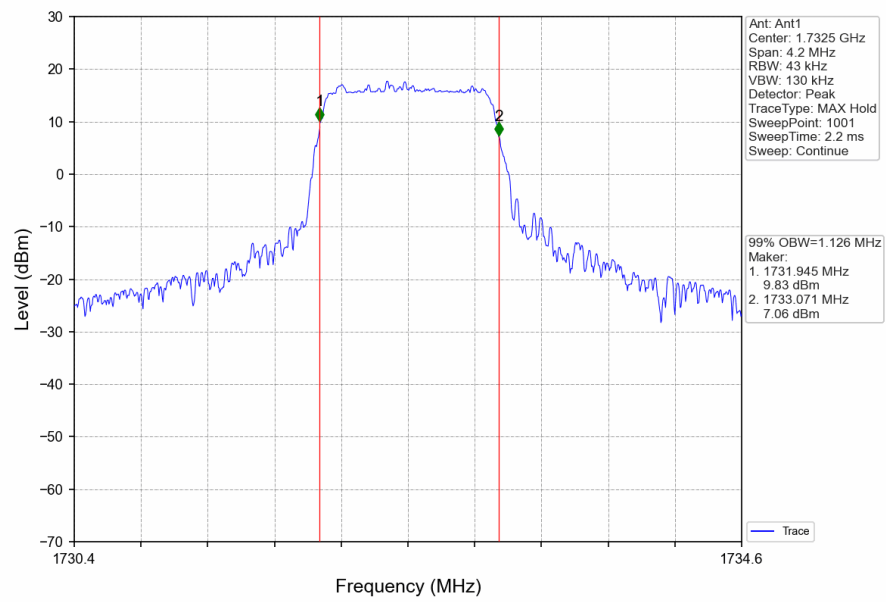
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



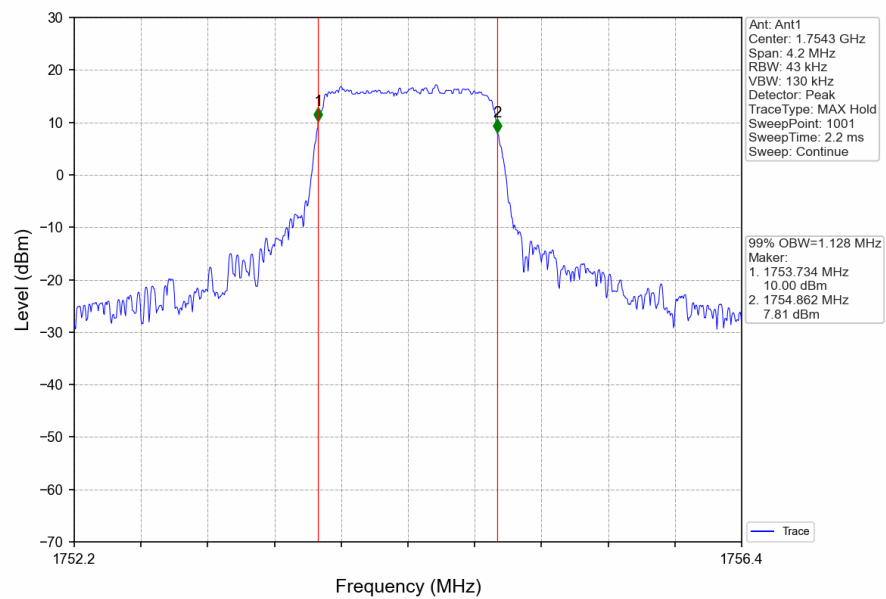
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



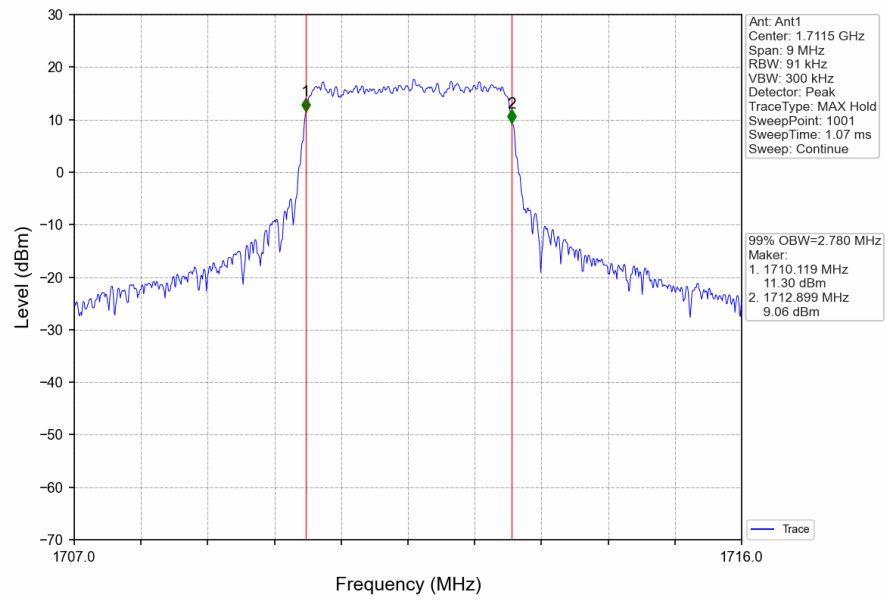
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



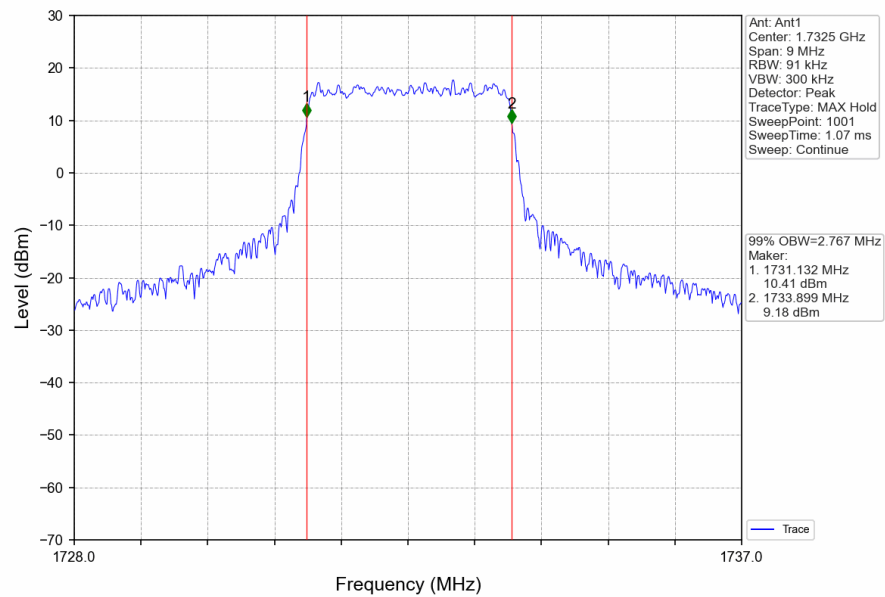
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



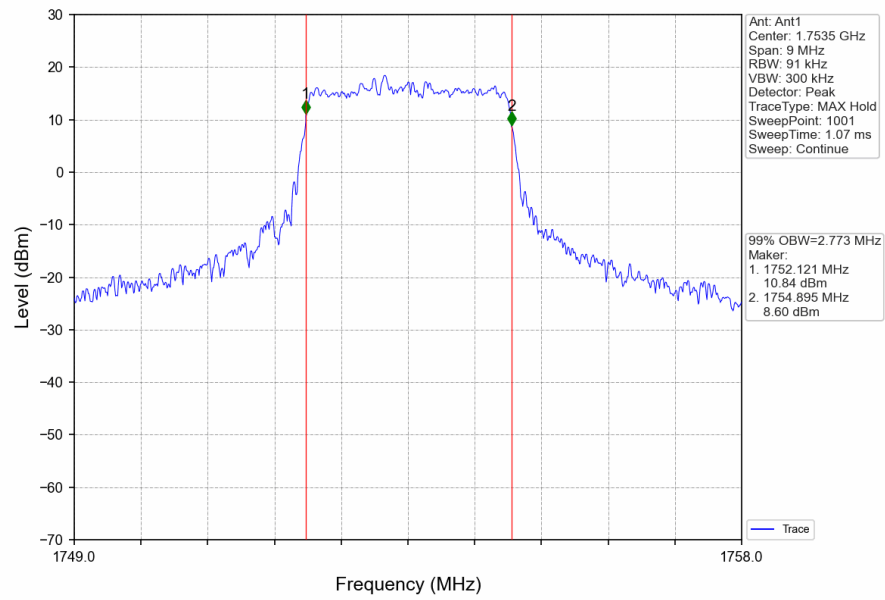
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



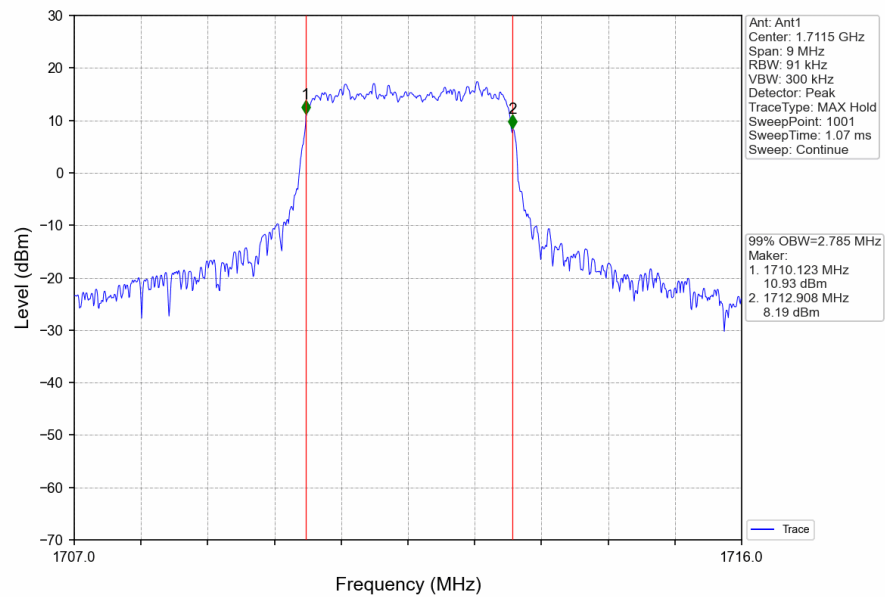
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



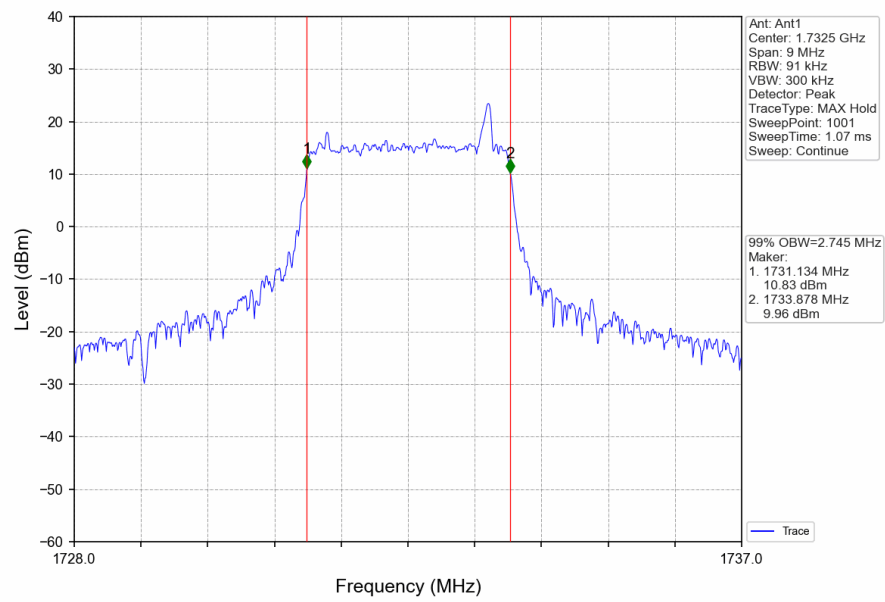
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



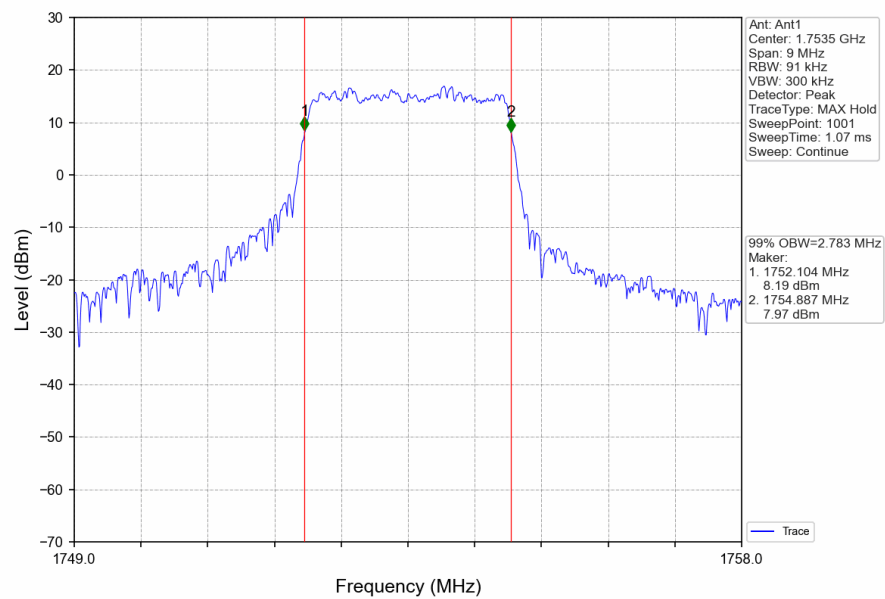
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



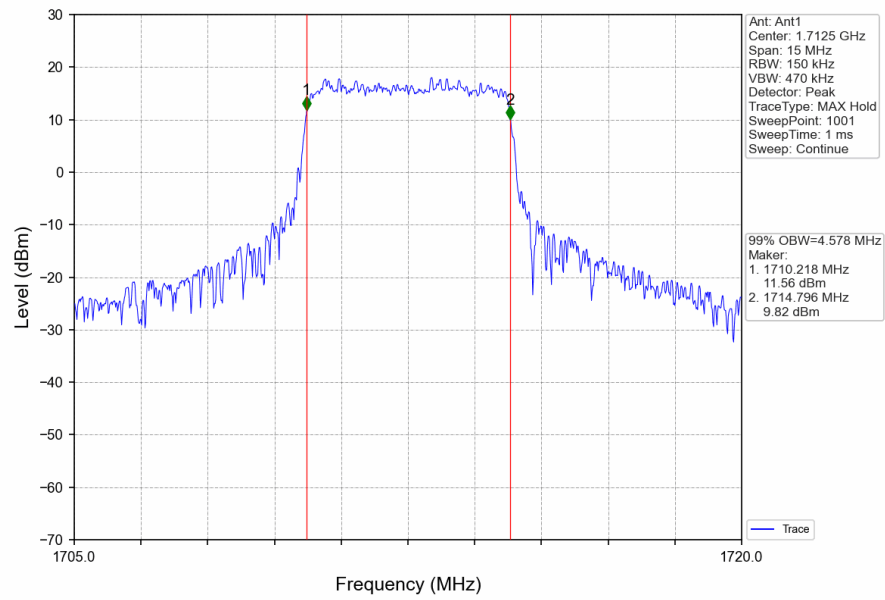
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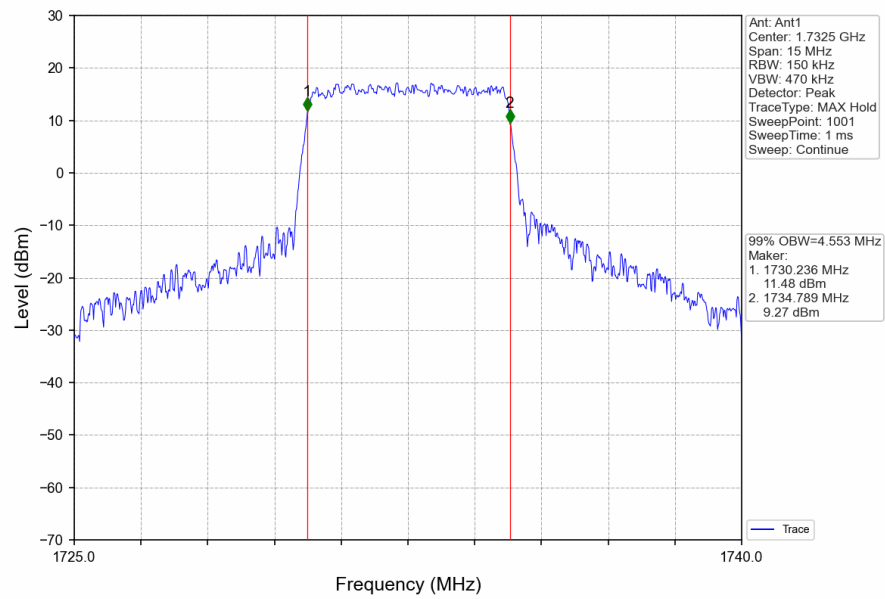
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



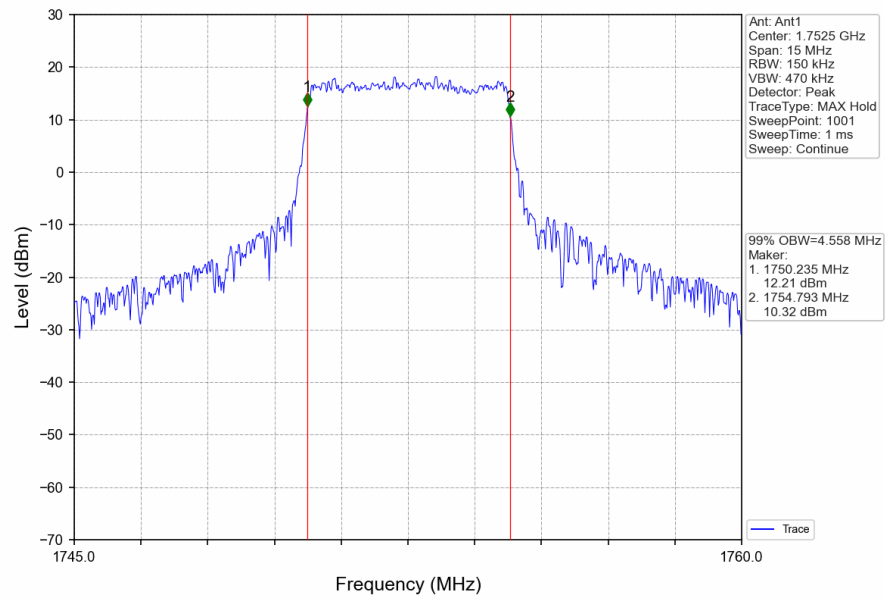
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



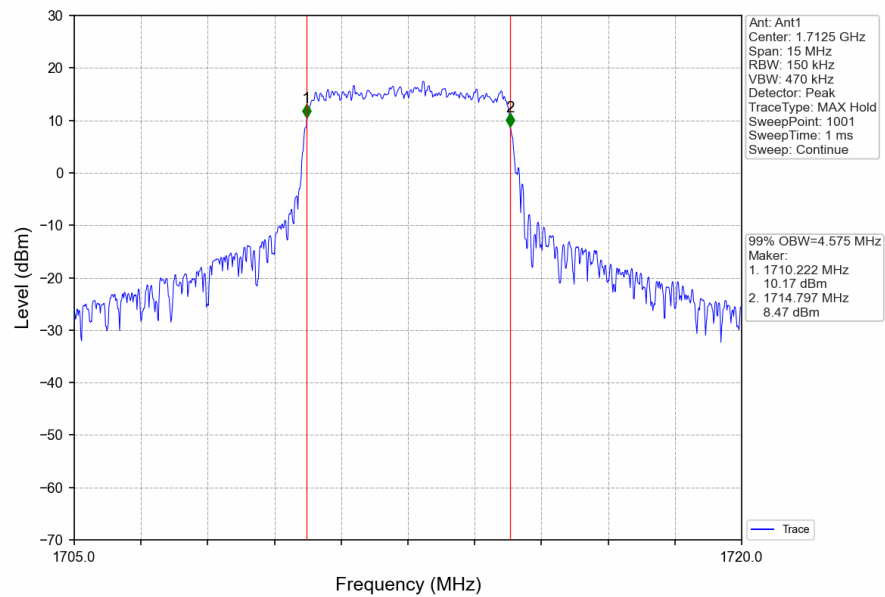
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



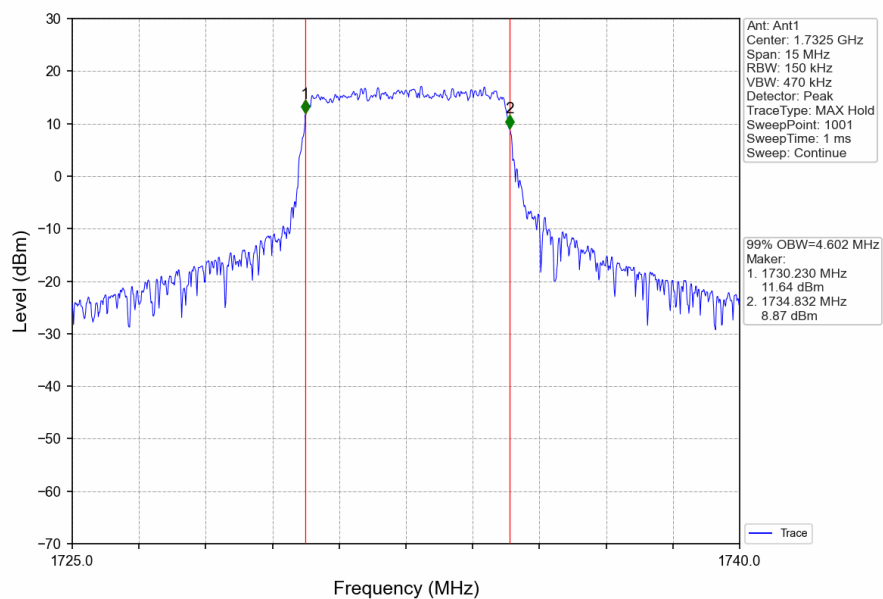
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



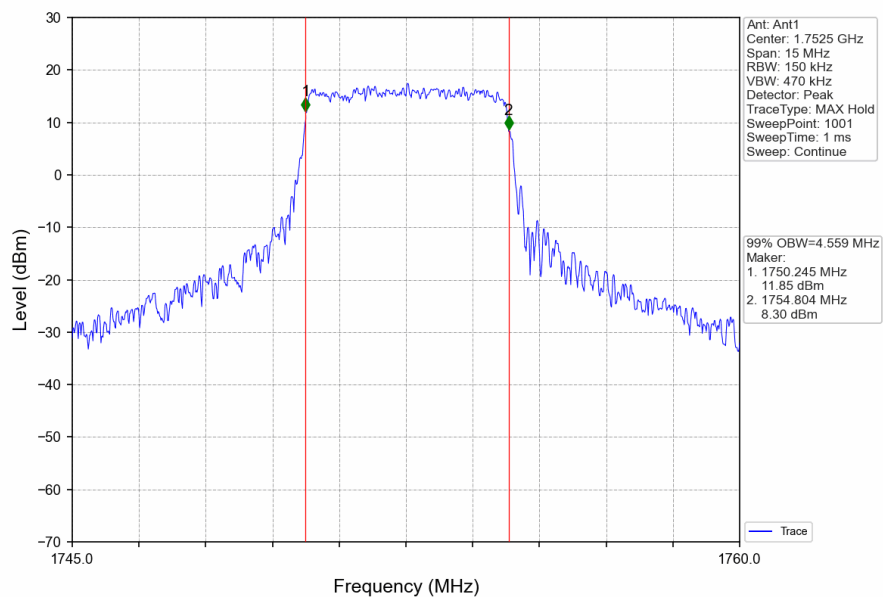
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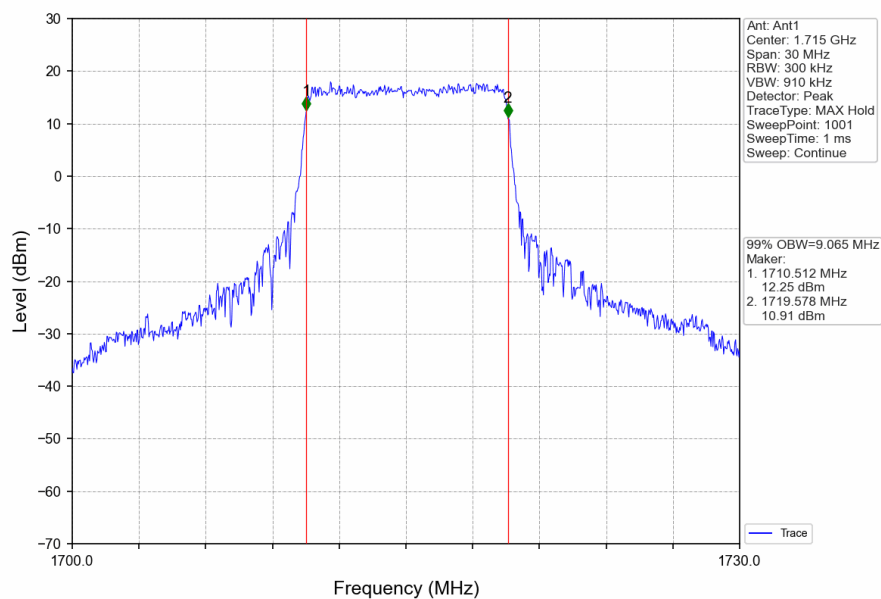
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



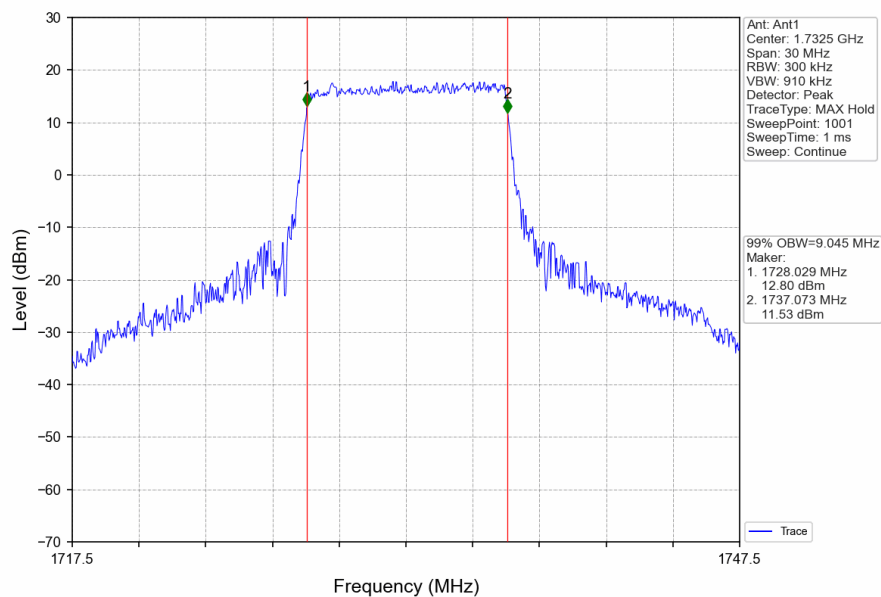
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



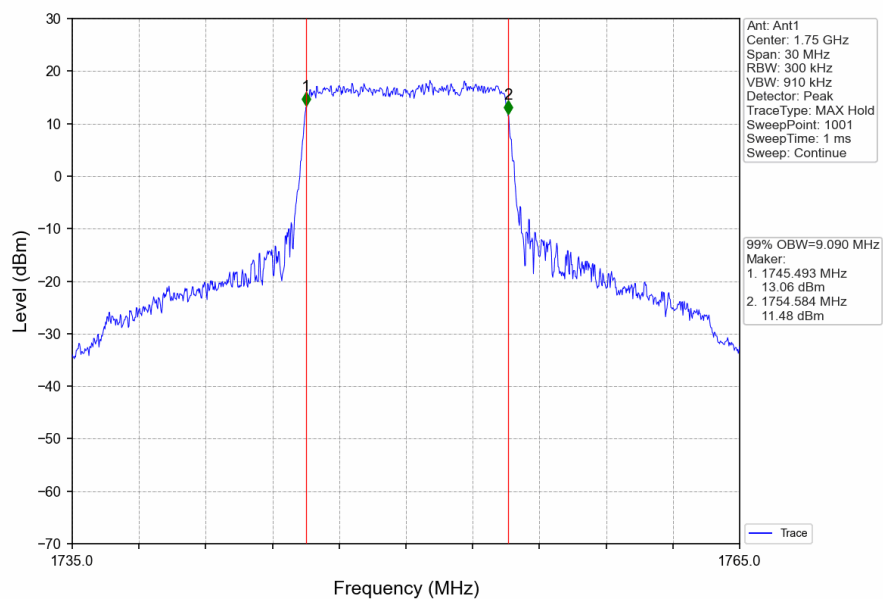
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



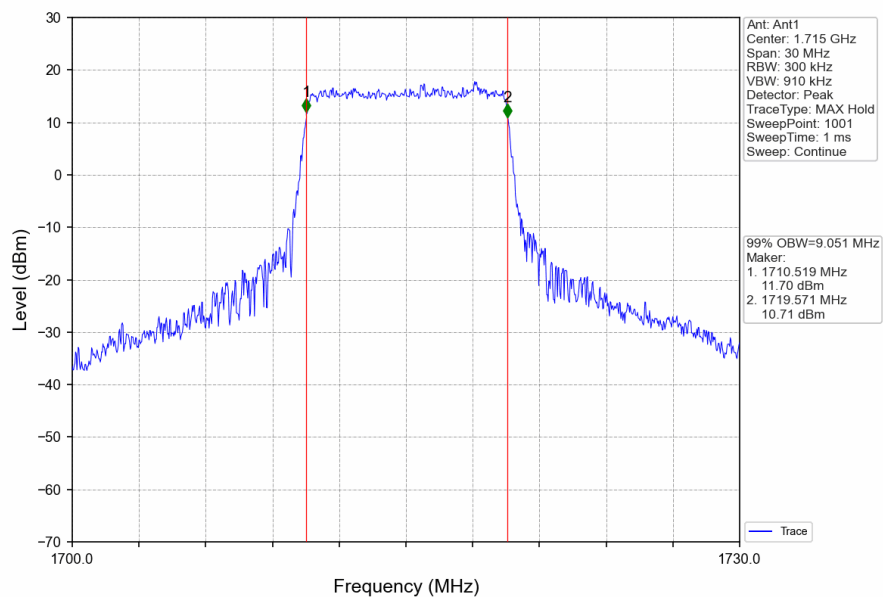
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



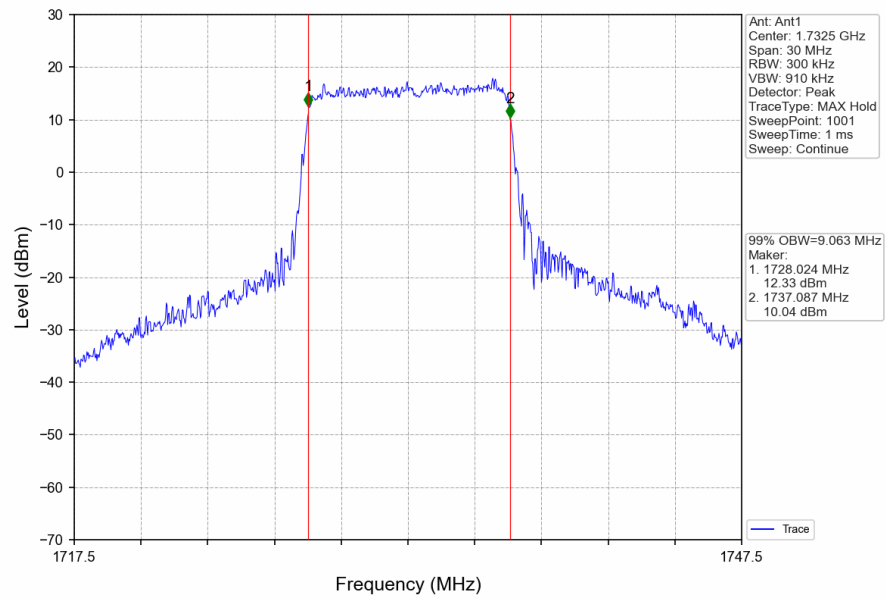
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



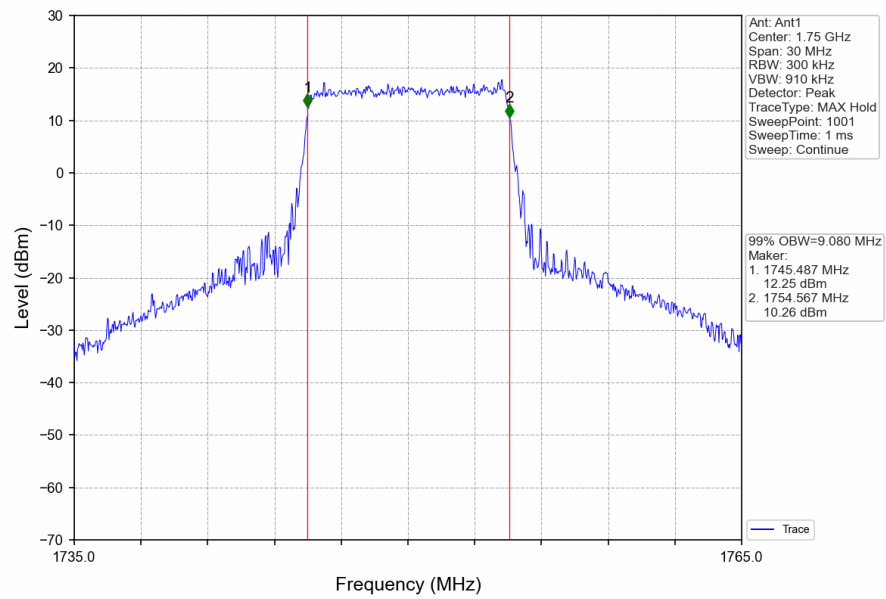
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



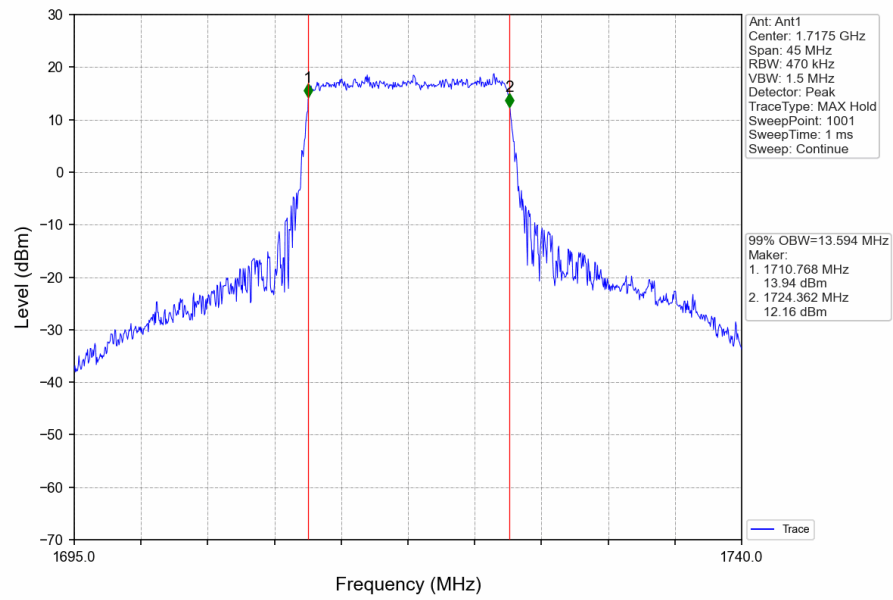
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



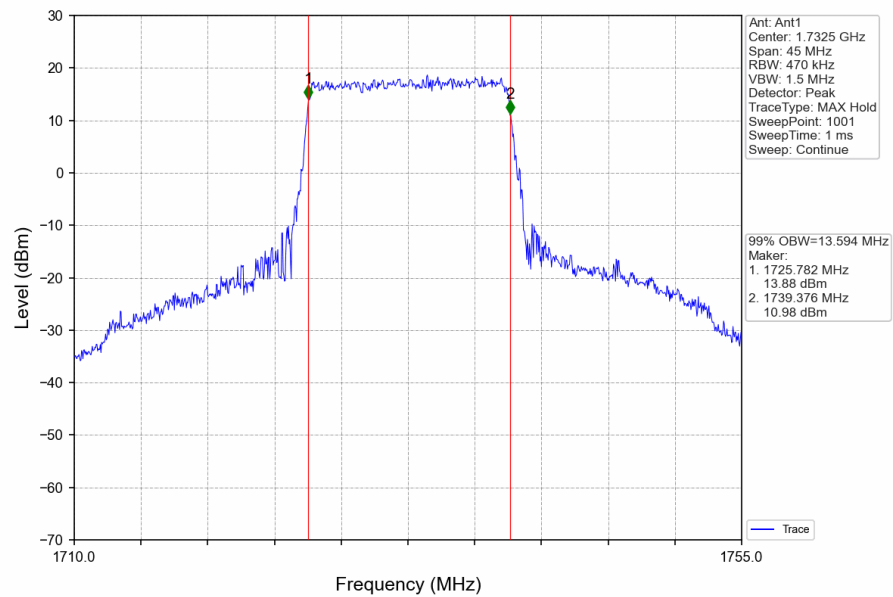
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



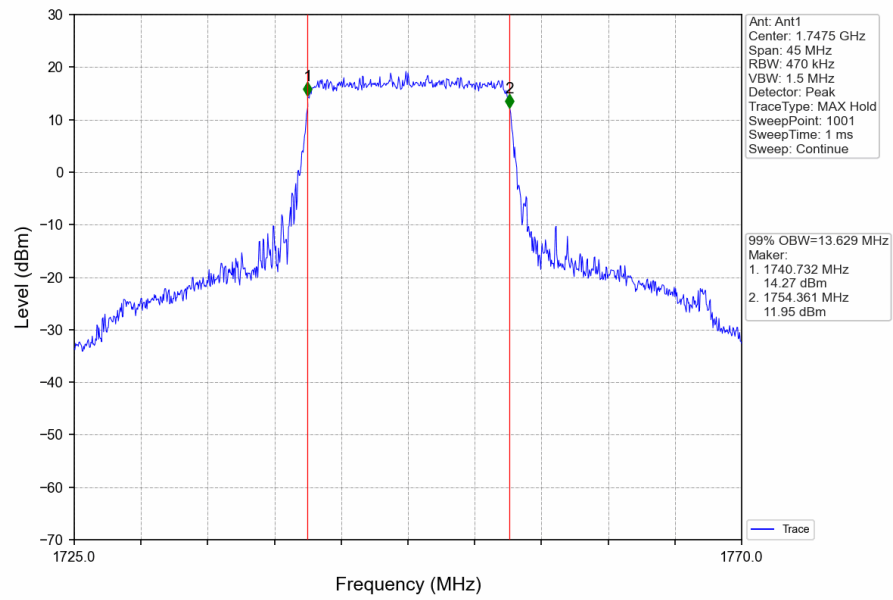
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



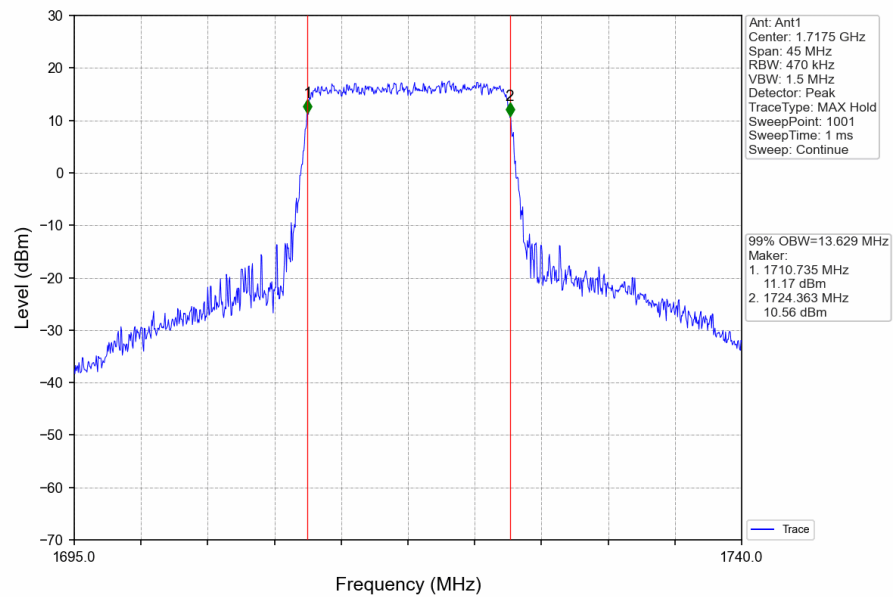
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



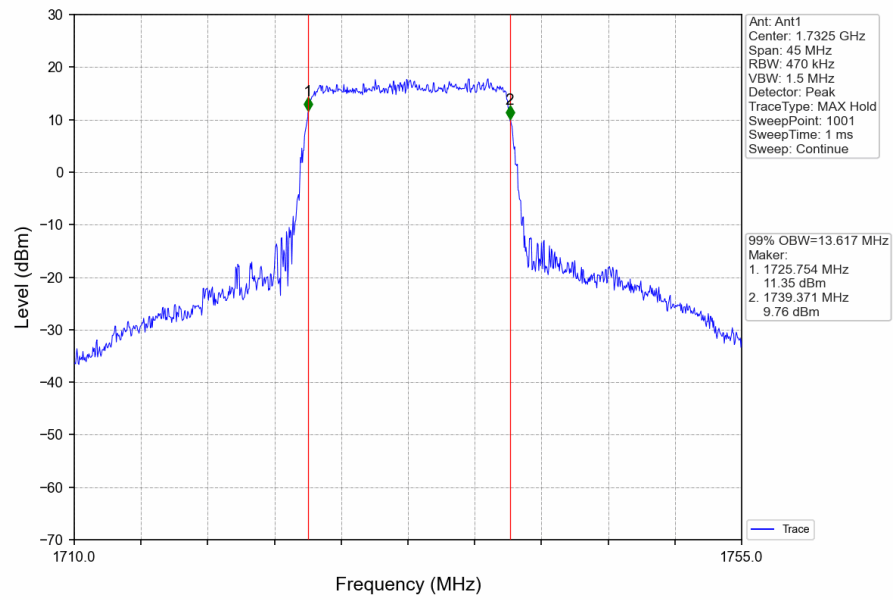
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



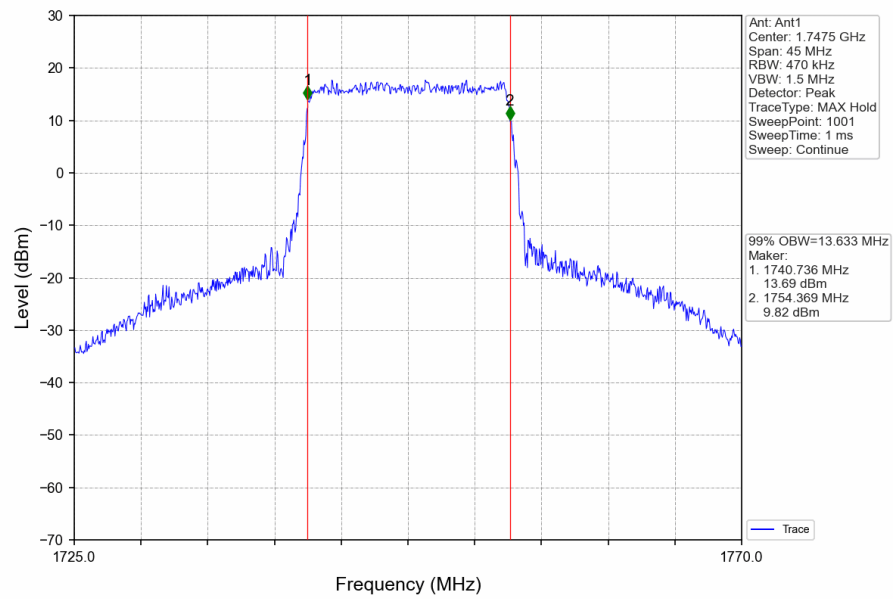
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



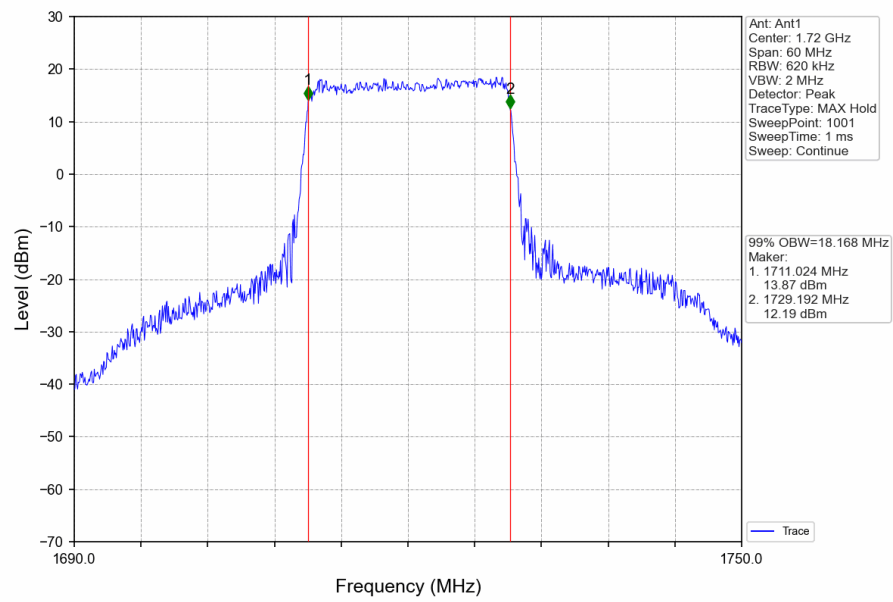
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



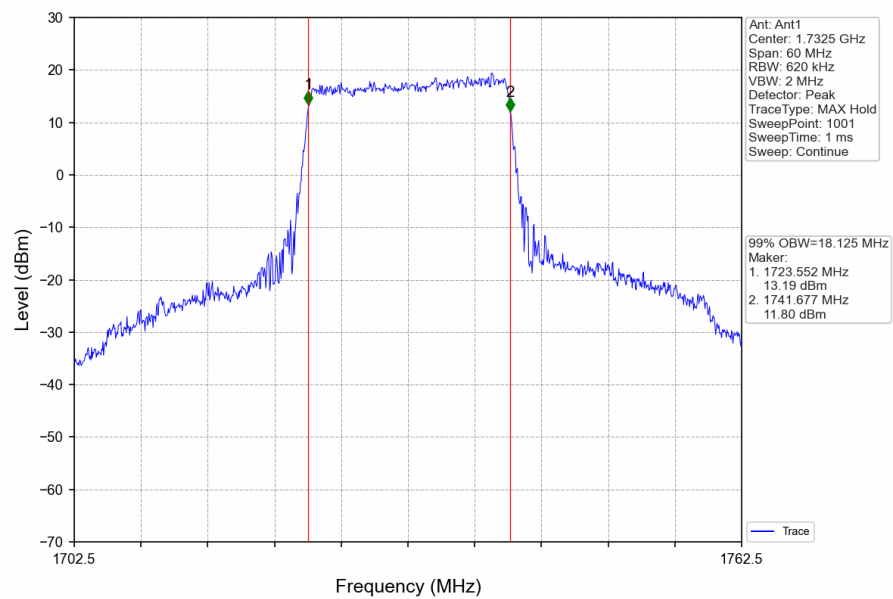
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



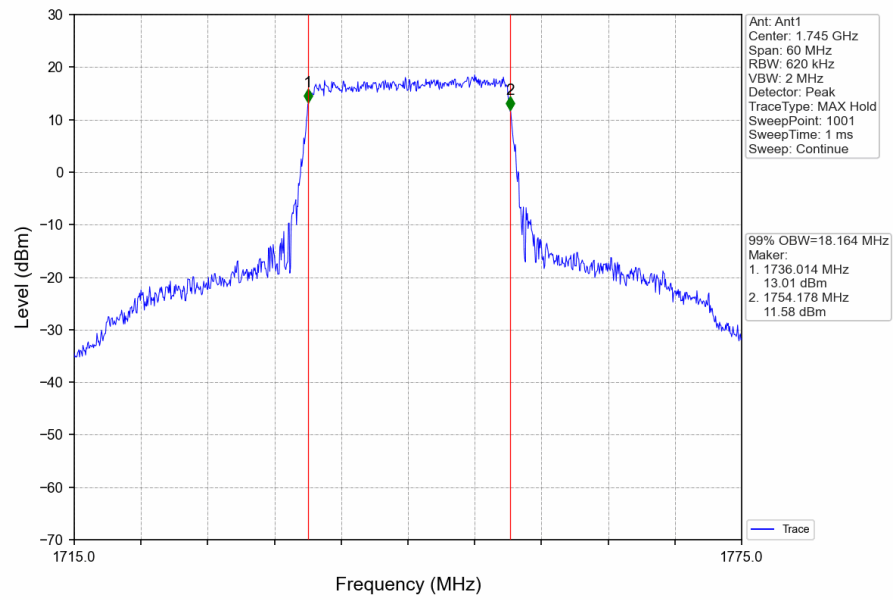
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



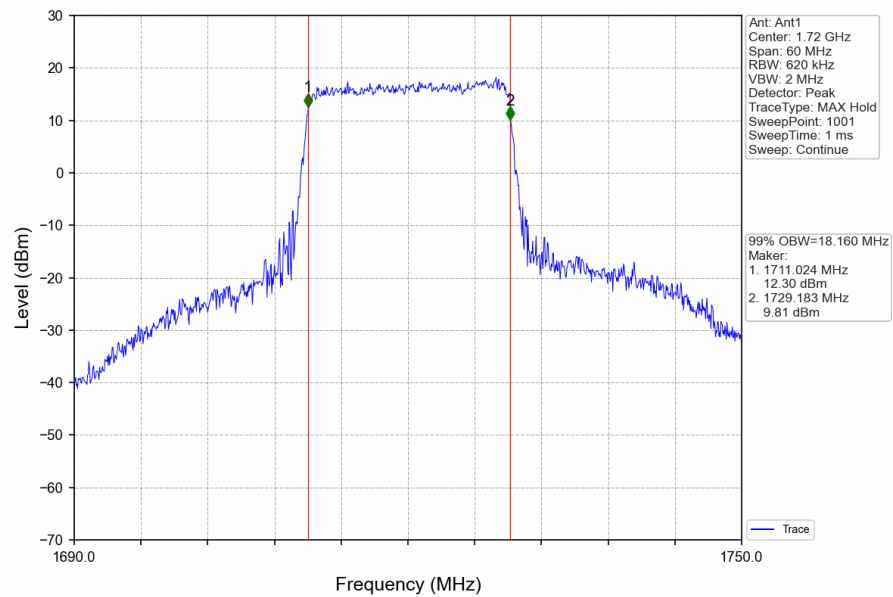
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



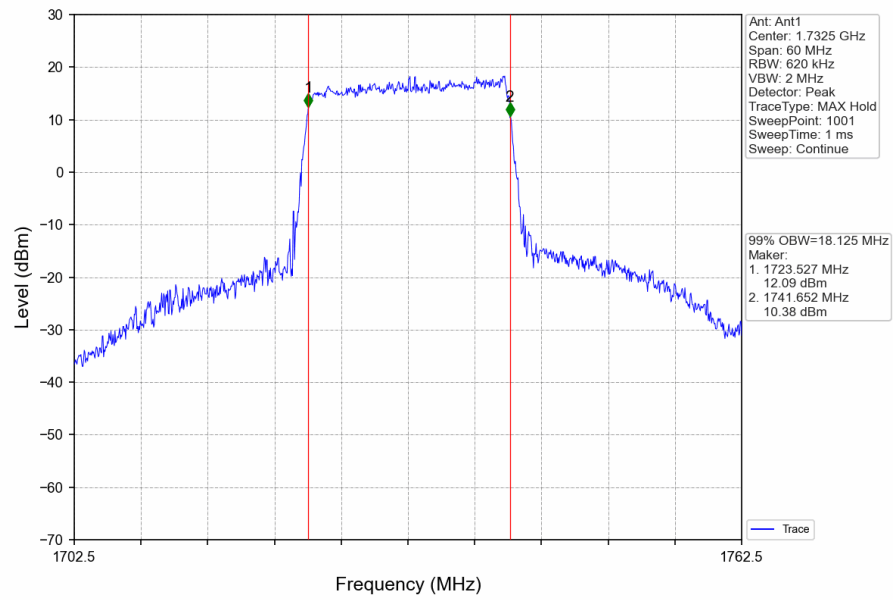
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



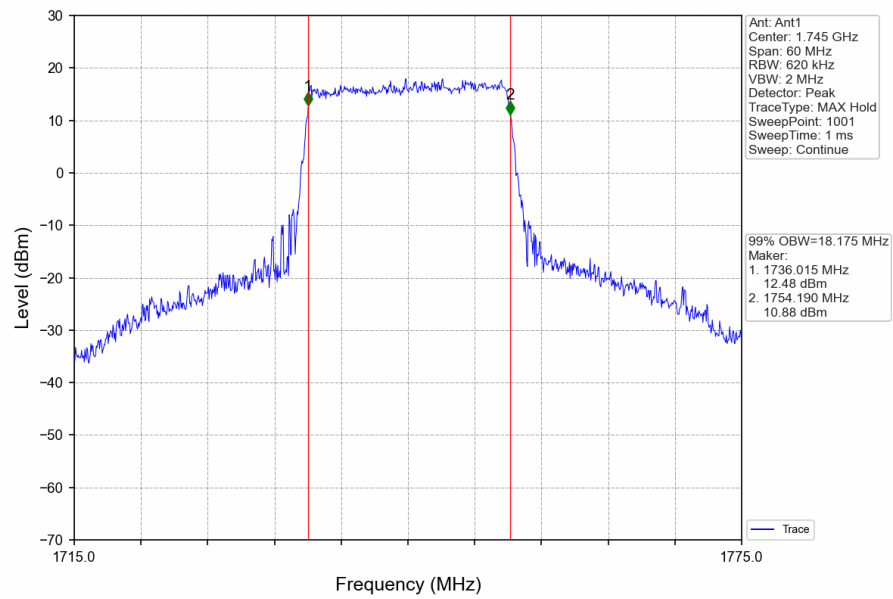
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

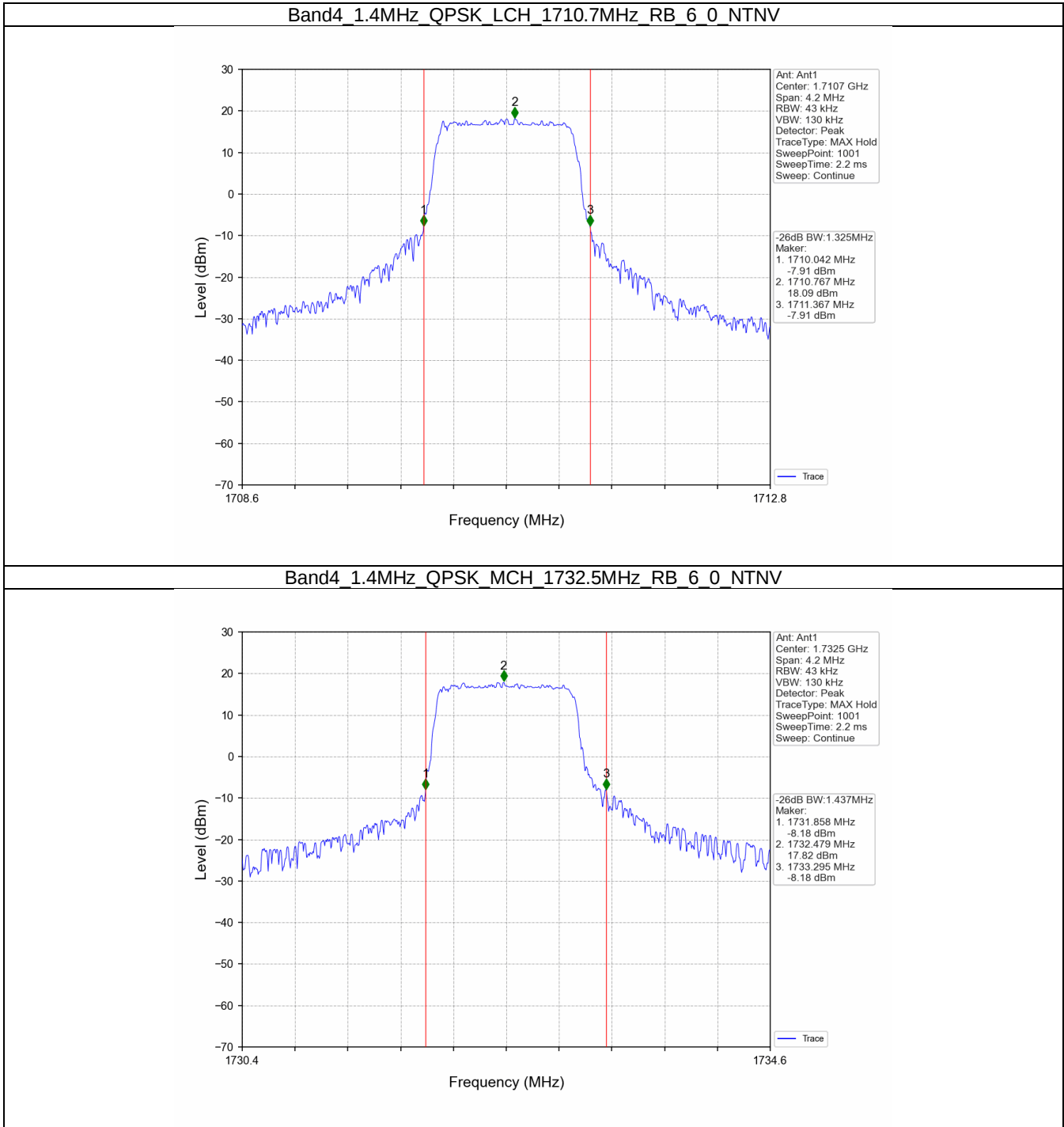


4.2 Band4_XDB

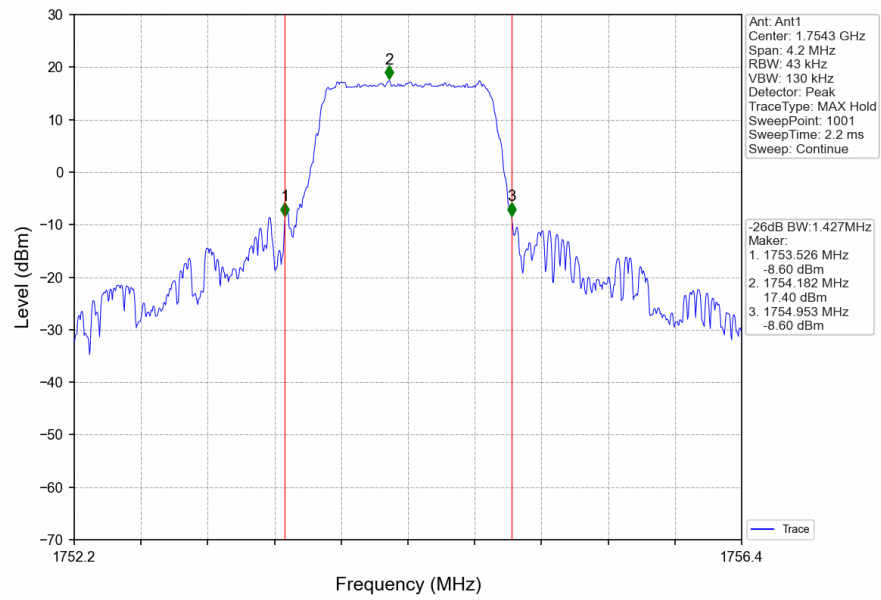
4.2.1 Test Result

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	1.437	Pass
		1754.3	6	0	1.427	Pass
	16QAM	1710.7	6	0	1.534	Pass
		1732.5	6	0	1.436	Pass
		1754.3	6	0	1.402	Pass
3	QPSK	1711.5	15	0	3.405	Pass
		1732.5	15	0	3.381	Pass
		1753.5	15	0	3.339	Pass
	16QAM	1711.5	15	0	3.247	Pass
		1732.5	15	0	3.013	Pass
		1753.5	15	0	3.494	Pass
5	QPSK	1712.5	25	0	5.469	Pass
		1732.5	25	0	5.425	Pass
		1752.5	25	0	5.370	Pass
	16QAM	1712.5	25	0	5.418	Pass
		1732.5	25	0	5.734	Pass
		1752.5	25	0	5.456	Pass
10	QPSK	1715	50	0	10.321	Pass
		1732.5	50	0	10.538	Pass
		1750	50	0	10.181	Pass
	16QAM	1715	50	0	10.217	Pass
		1732.5	50	0	10.356	Pass
		1750	50	0	10.502	Pass
15	QPSK	1717.5	75	0	15.858	Pass
		1732.5	75	0	15.426	Pass
		1747.5	75	0	15.954	Pass
	16QAM	1717.5	75	0	15.352	Pass
		1732.5	75	0	15.180	Pass
		1747.5	75	0	15.276	Pass
20	QPSK	1720	100	0	20.095	Pass
		1732.5	100	0	20.680	Pass
		1745	100	0	20.948	Pass
	16QAM	1720	100	0	20.727	Pass
		1732.5	100	0	20.430	Pass
		1745	100	0	21.051	Pass

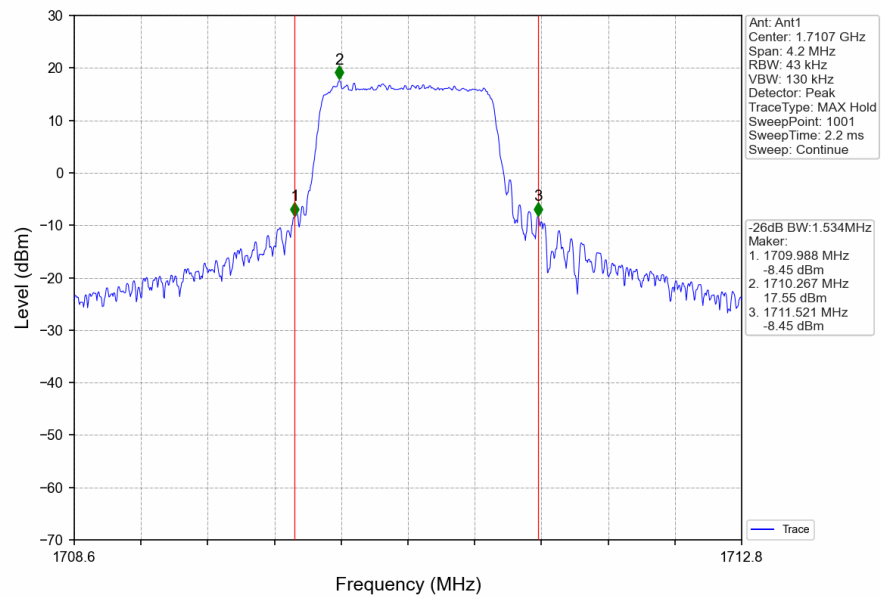
4.2.2 Test Graph



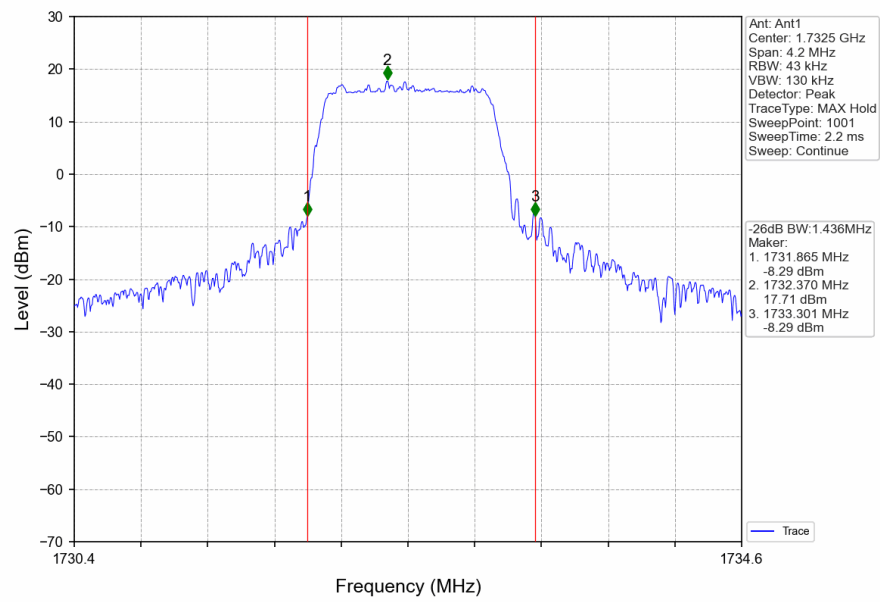
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



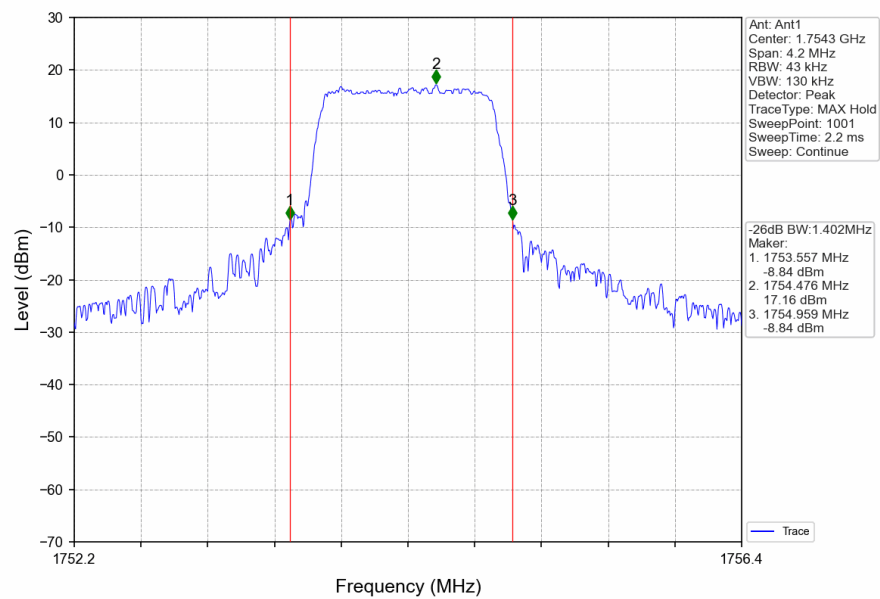
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



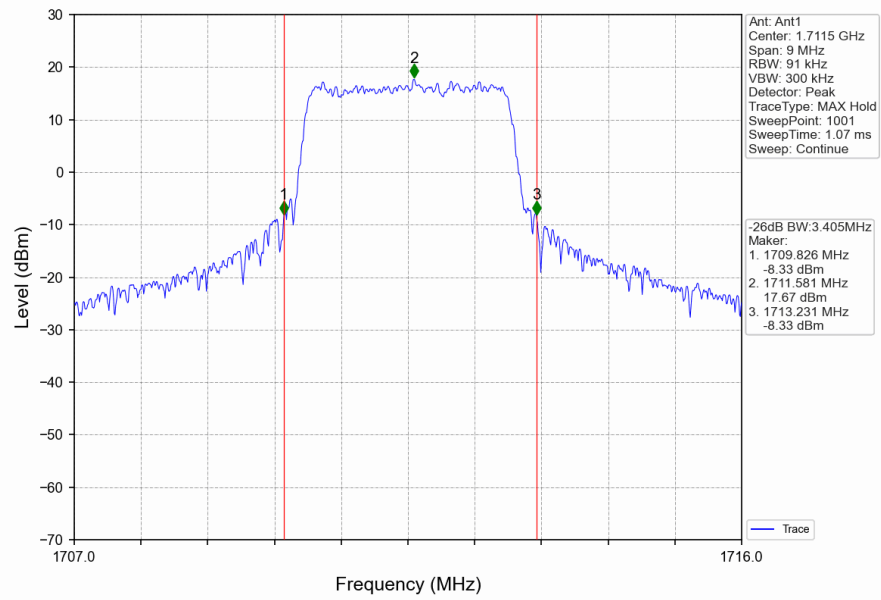
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



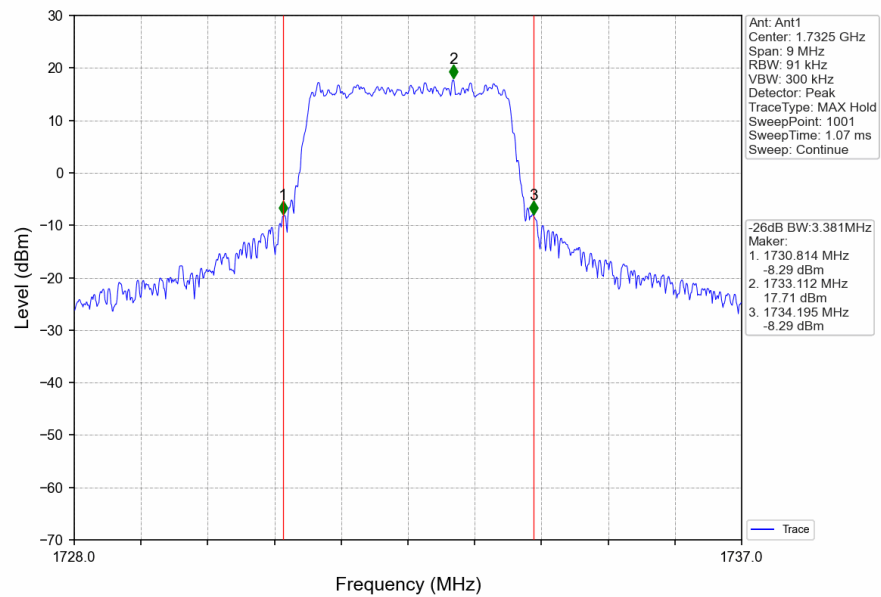
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



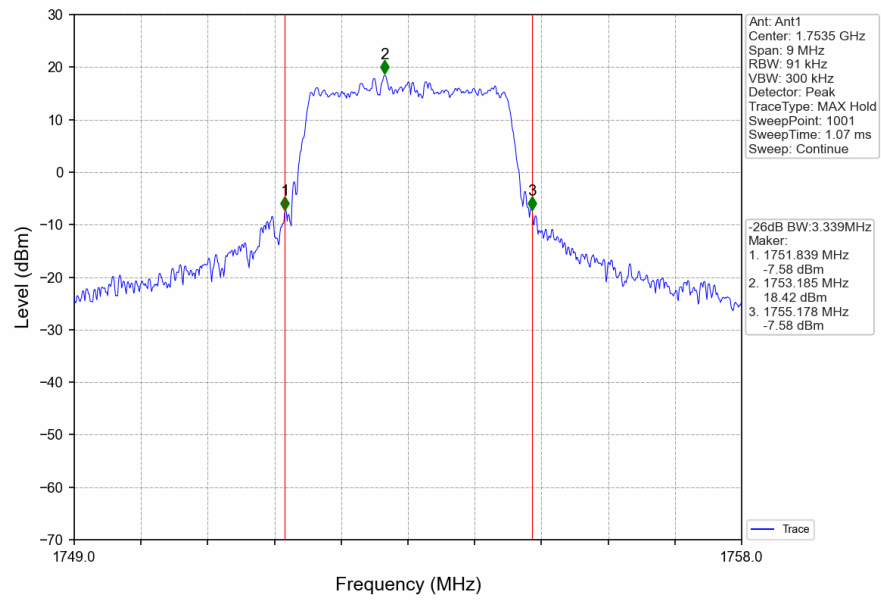
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



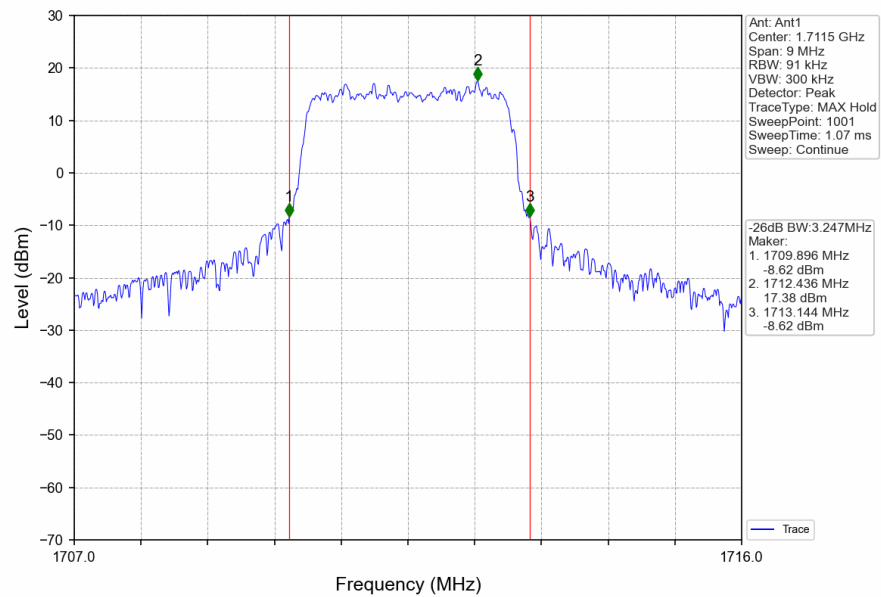
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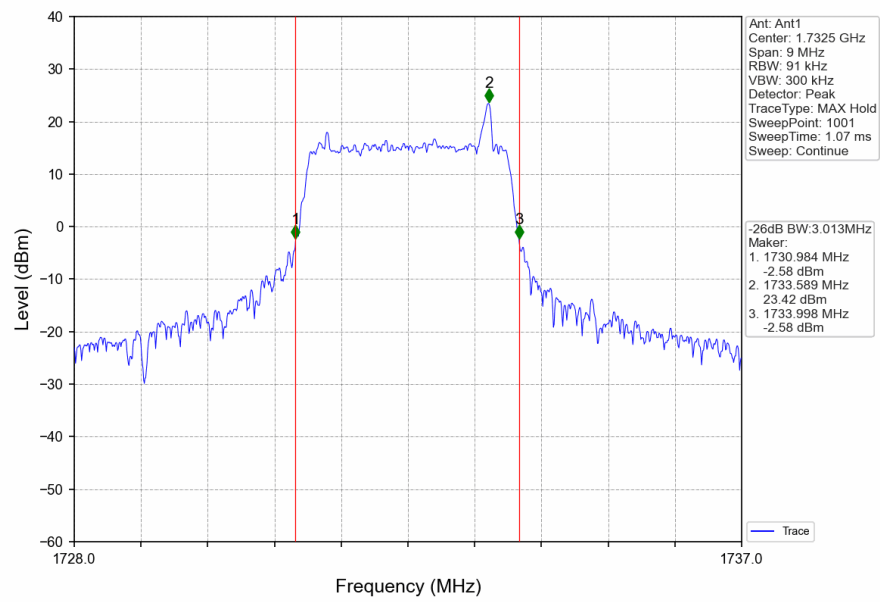
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



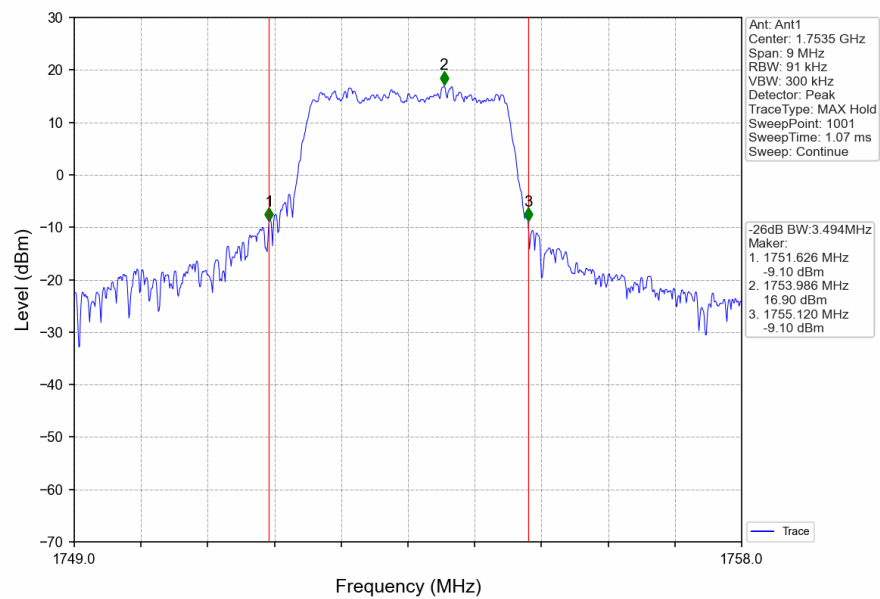
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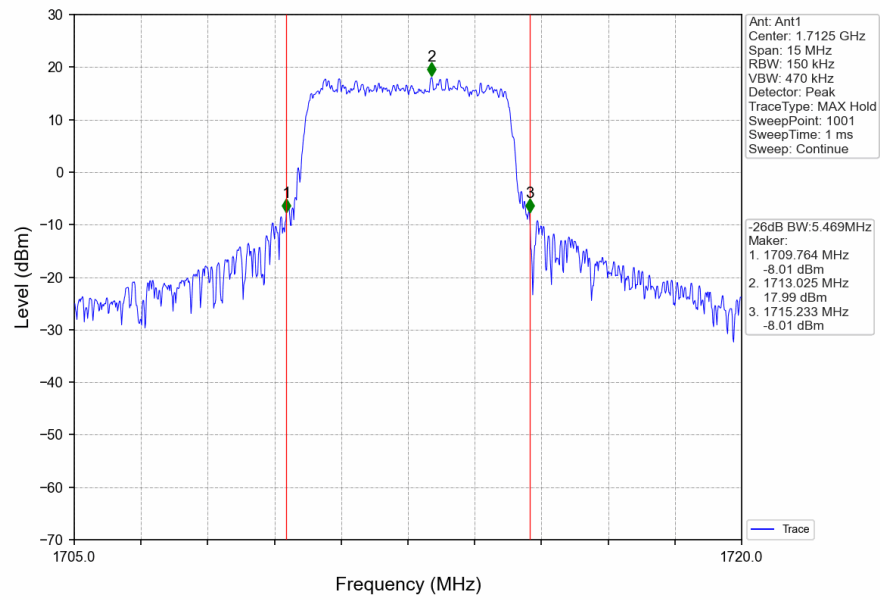
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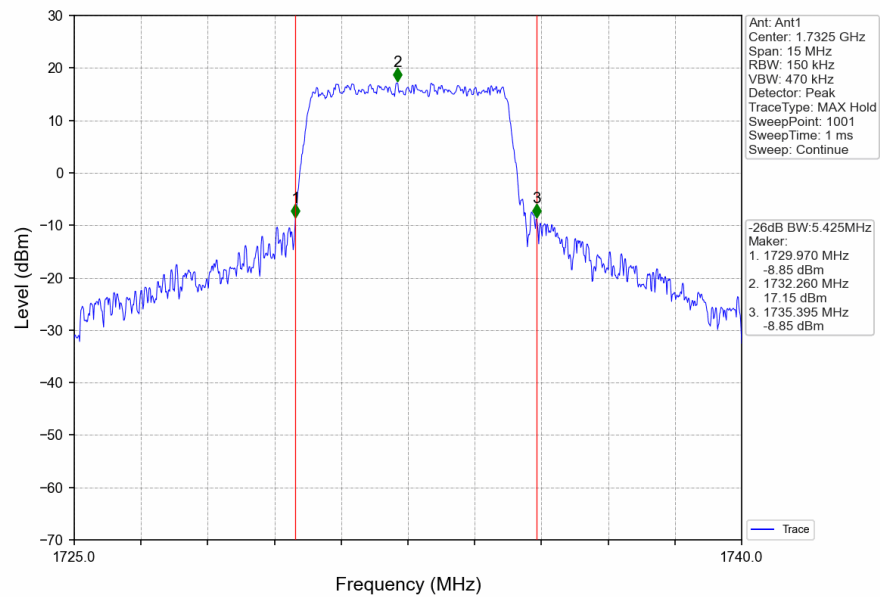
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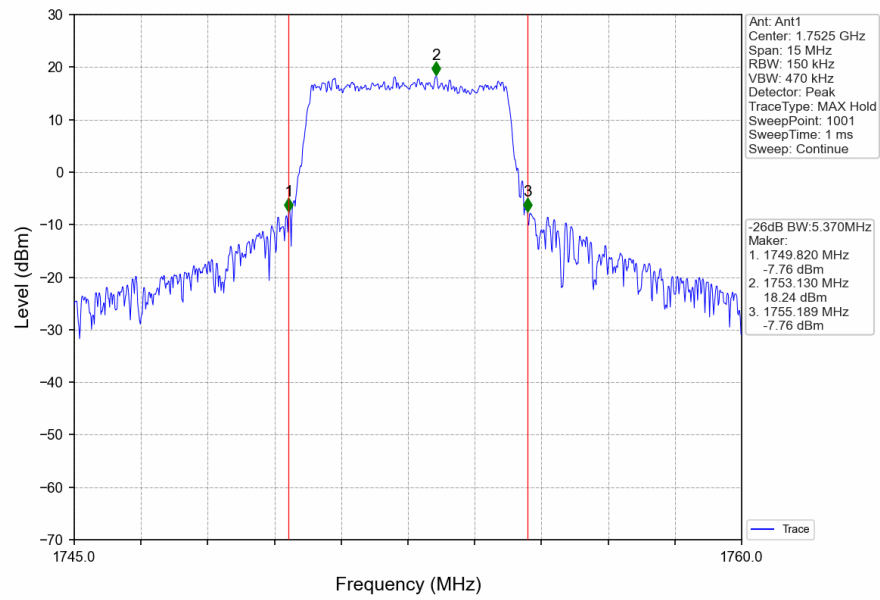
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



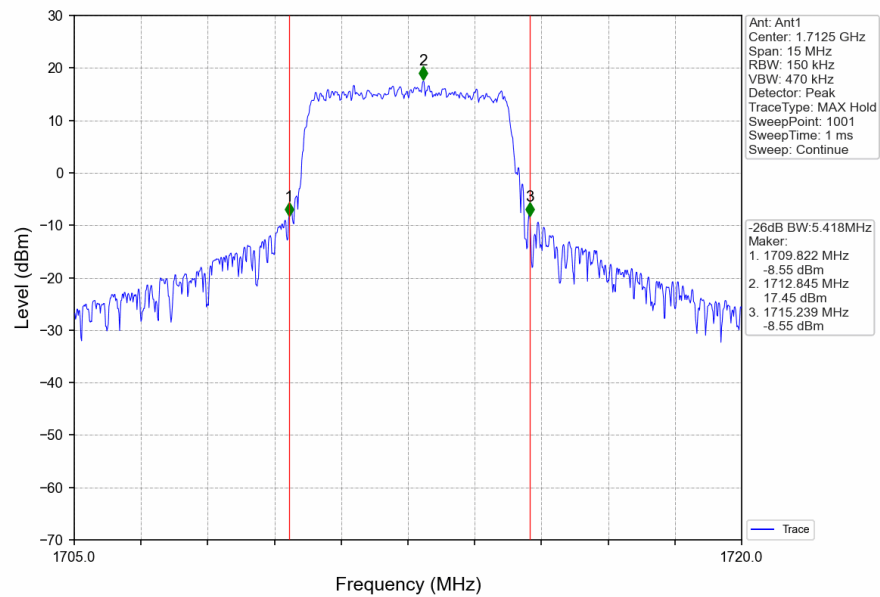
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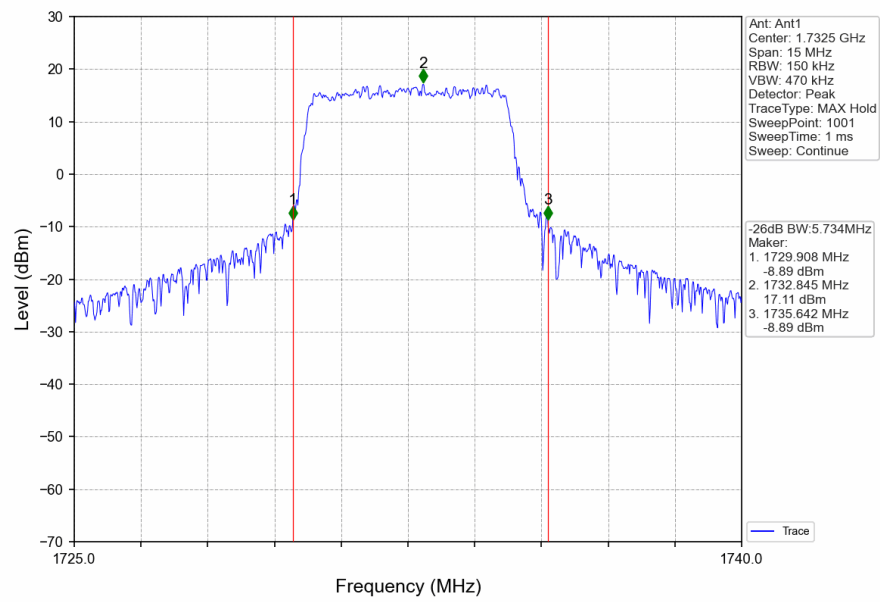
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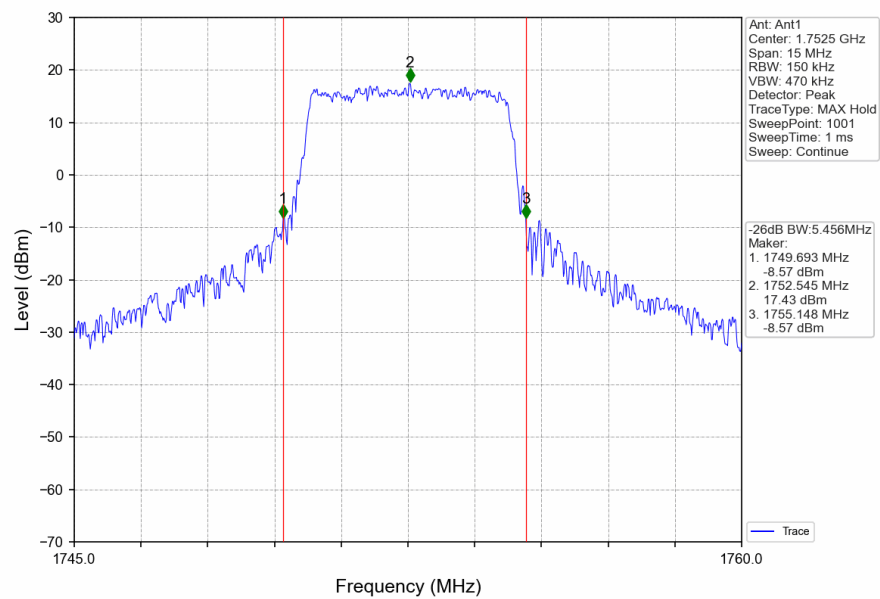
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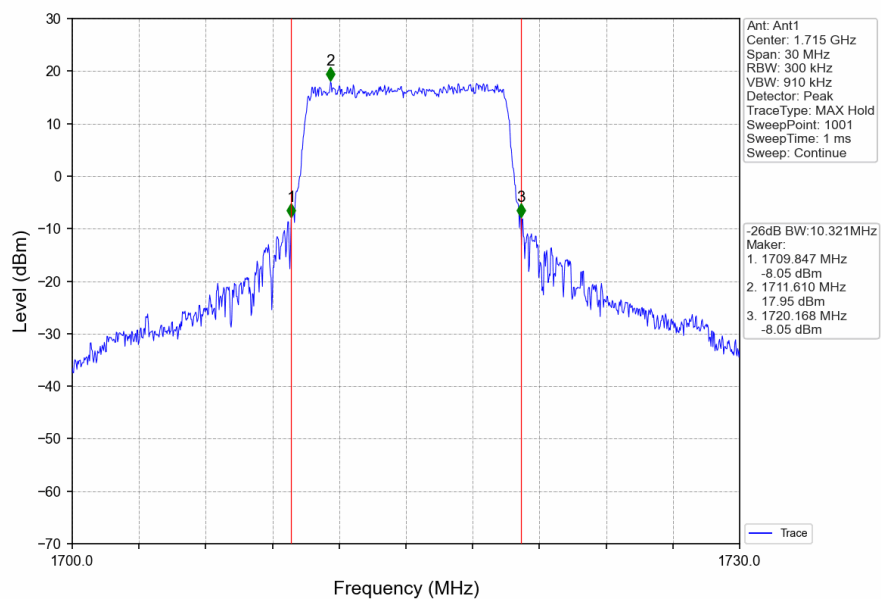
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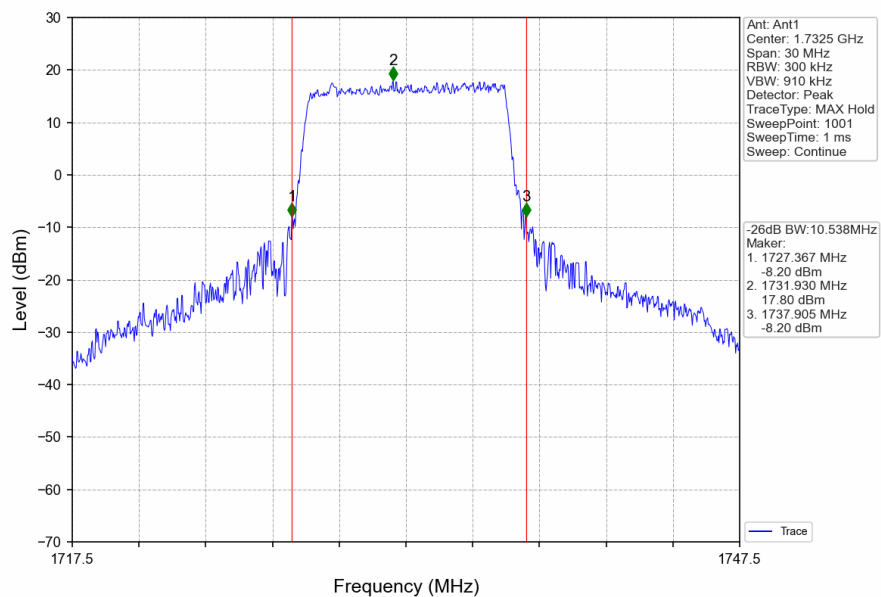
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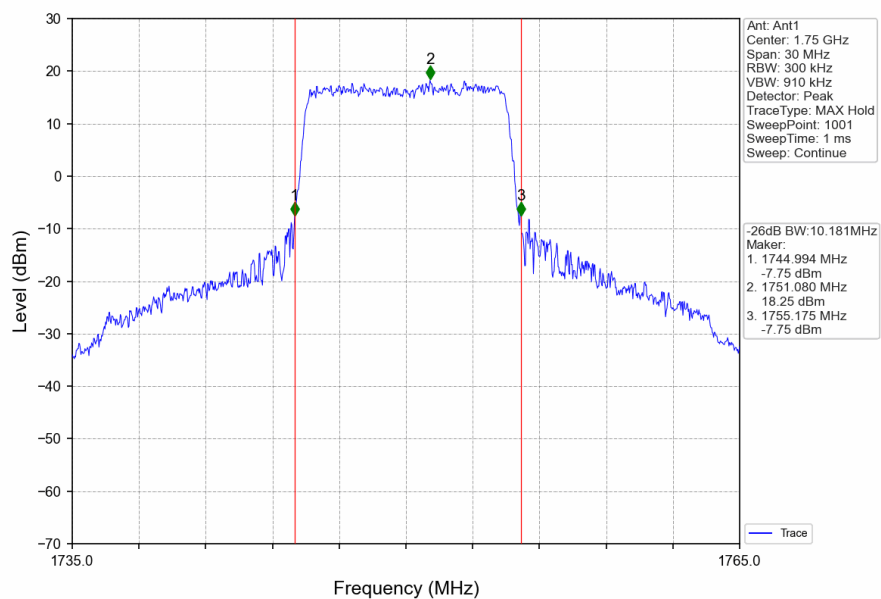
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



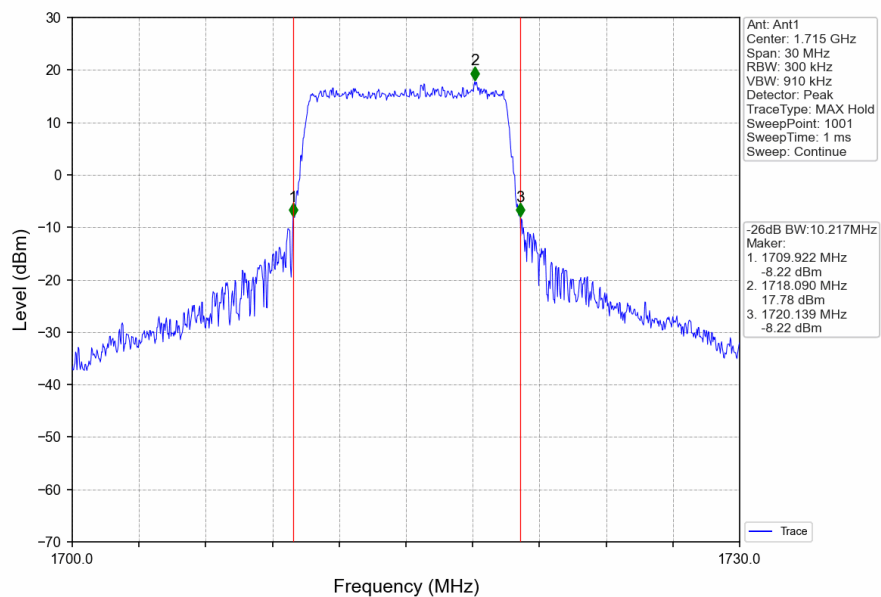
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



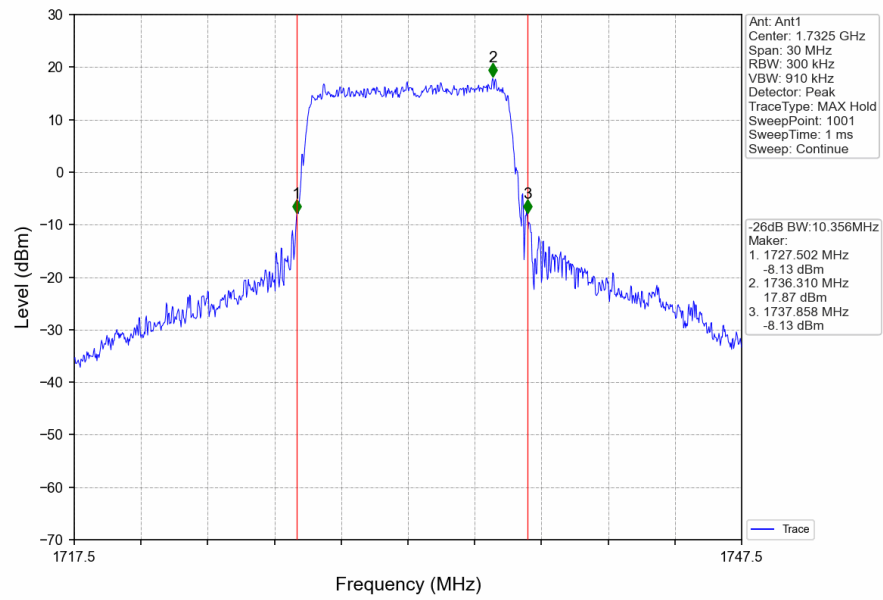
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



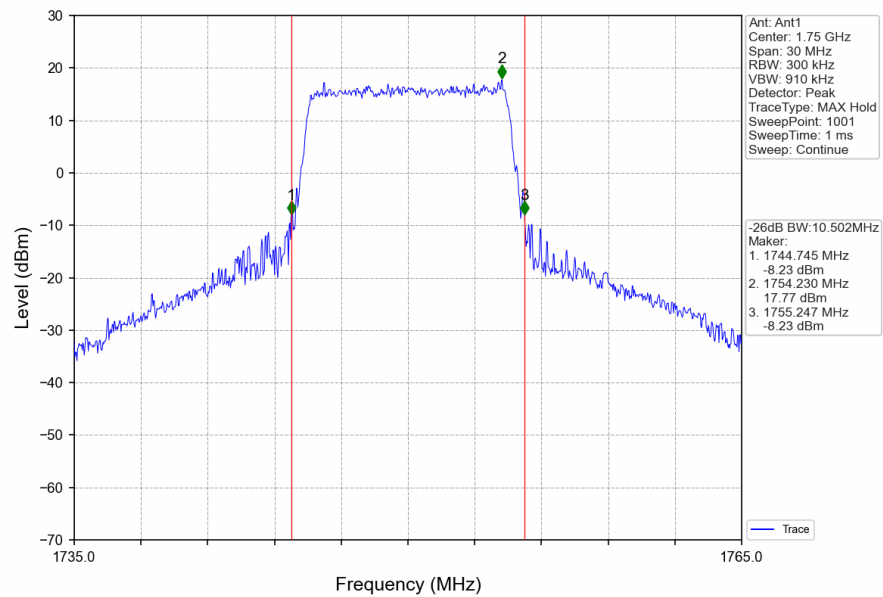
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



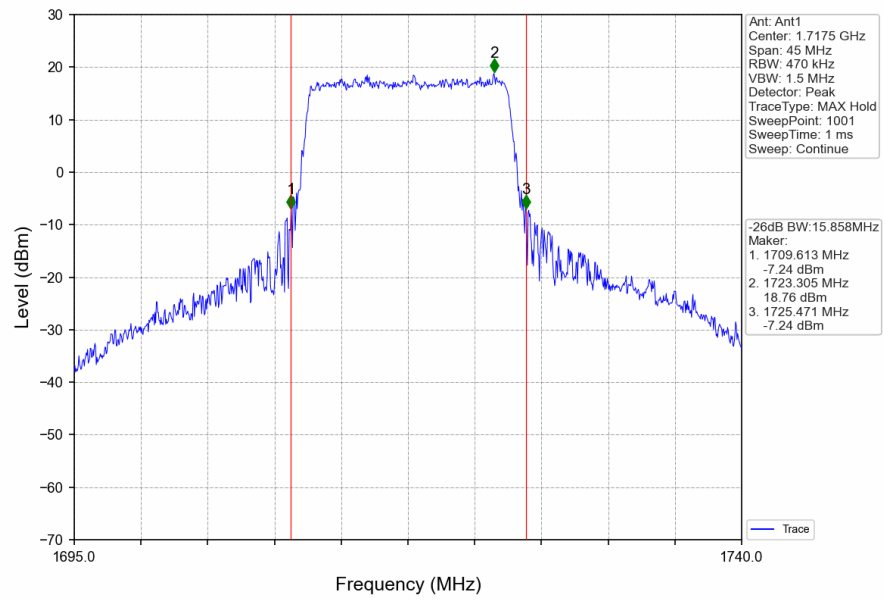
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



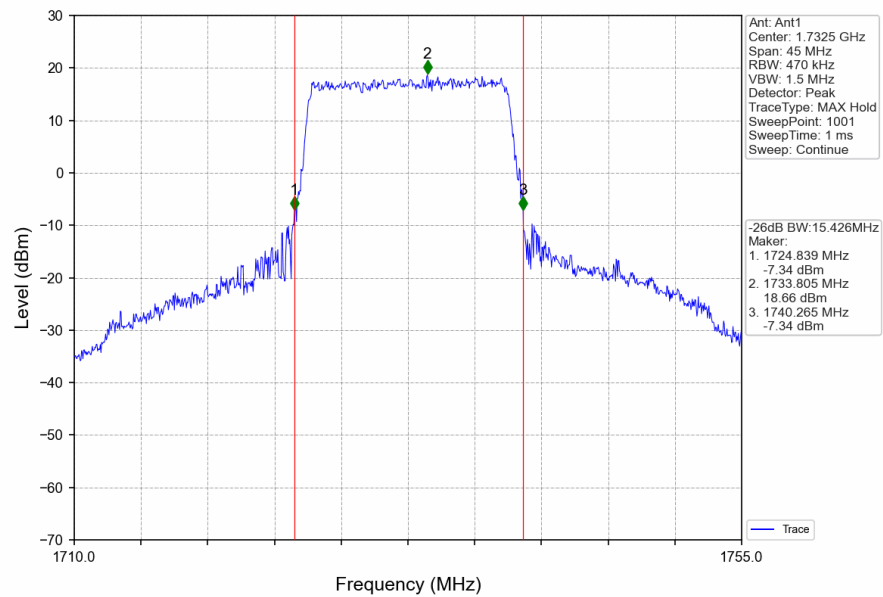
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



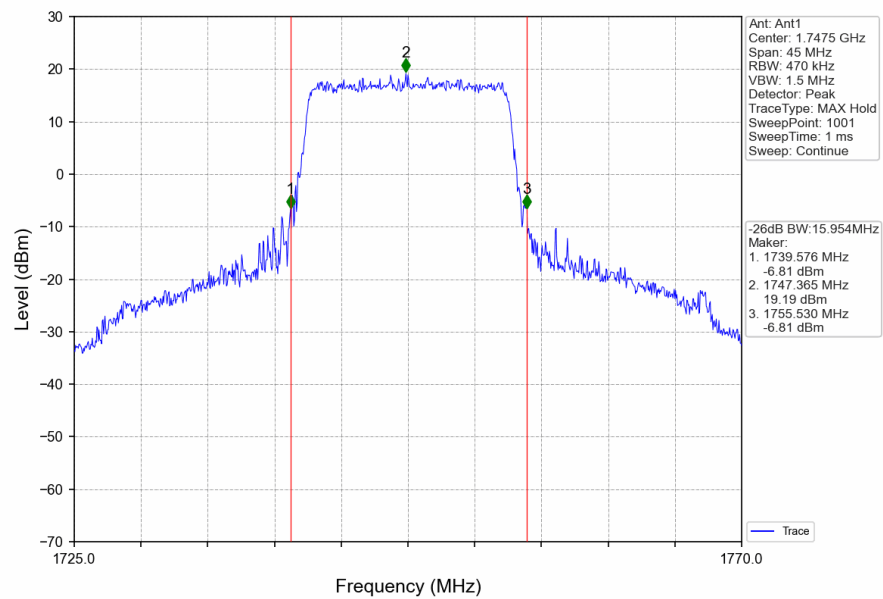
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



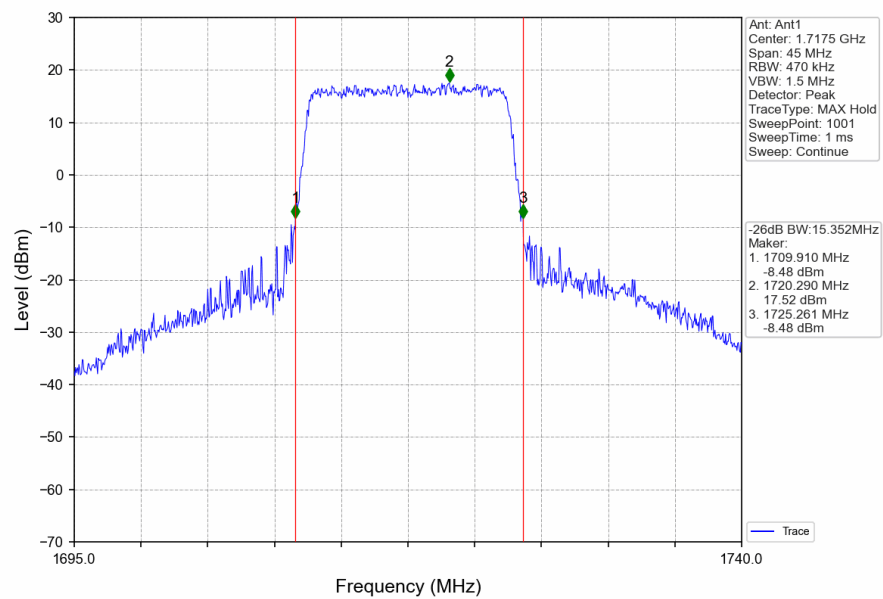
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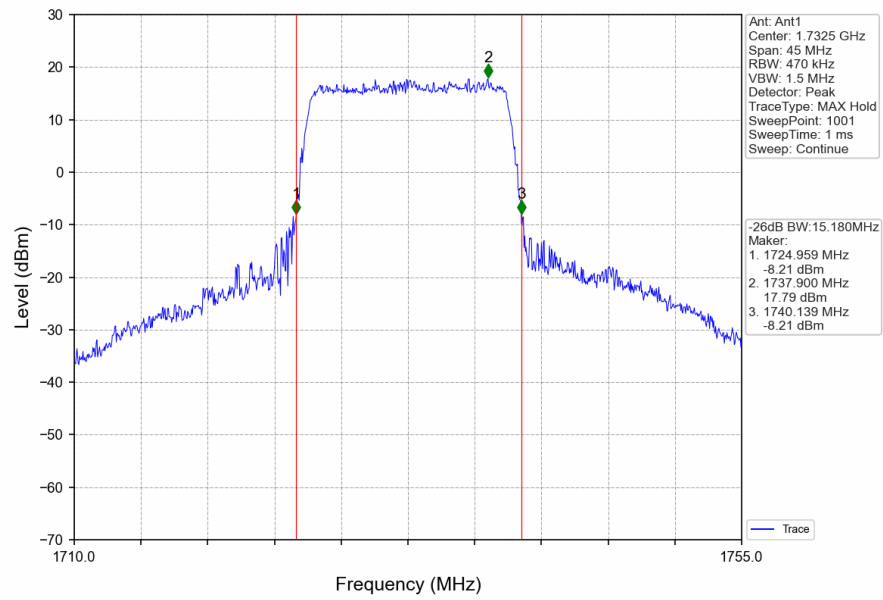
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



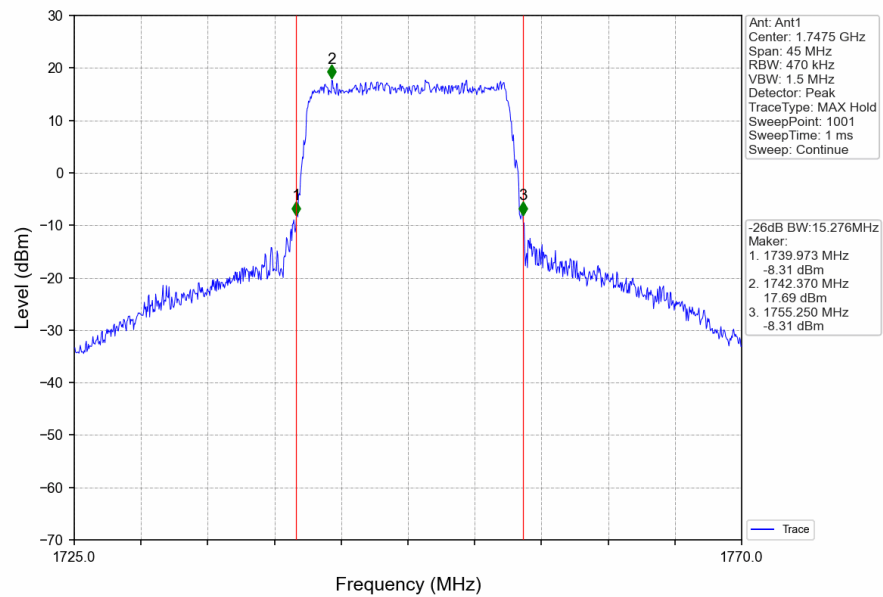
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



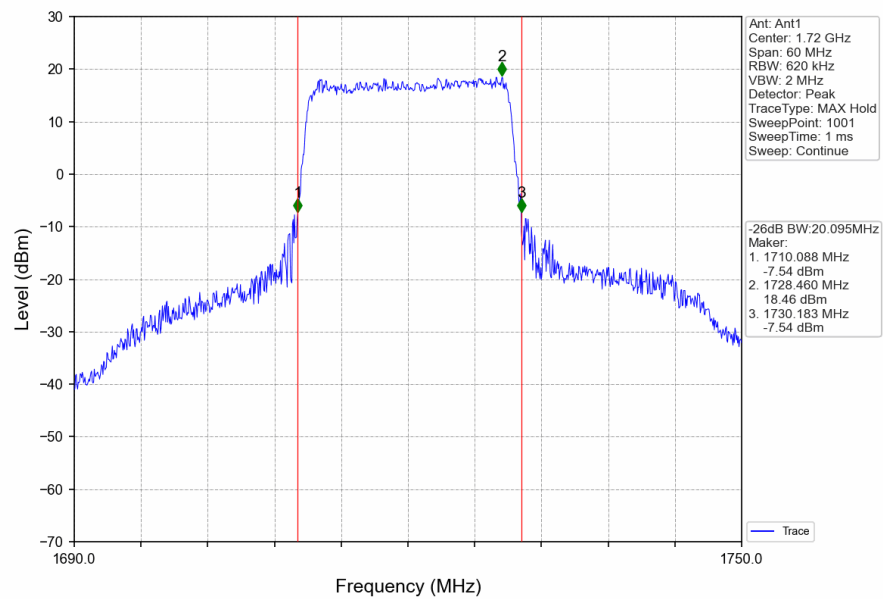
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



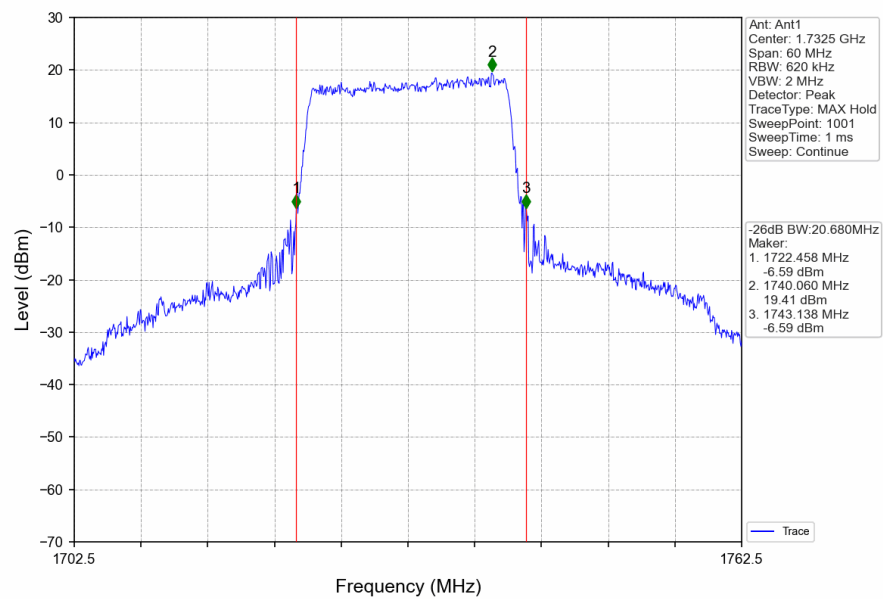
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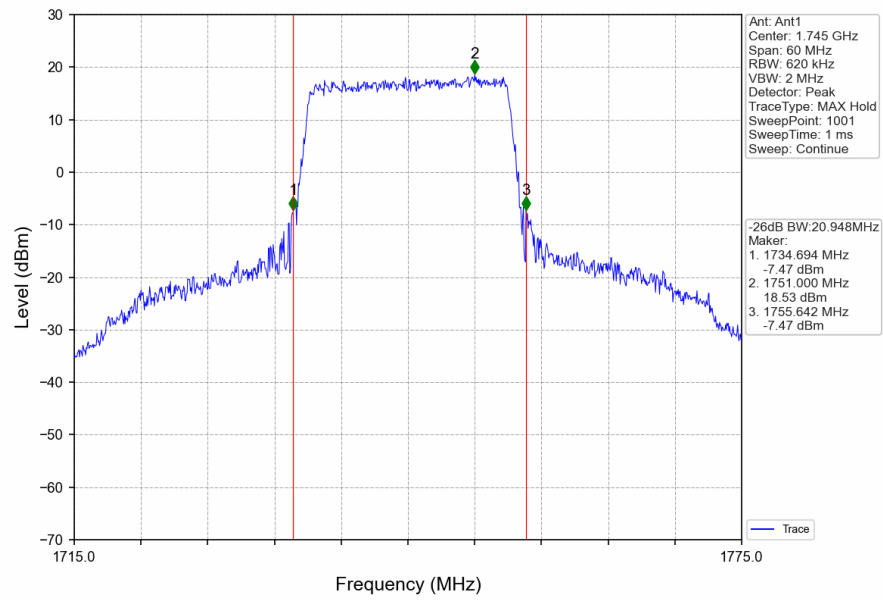
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



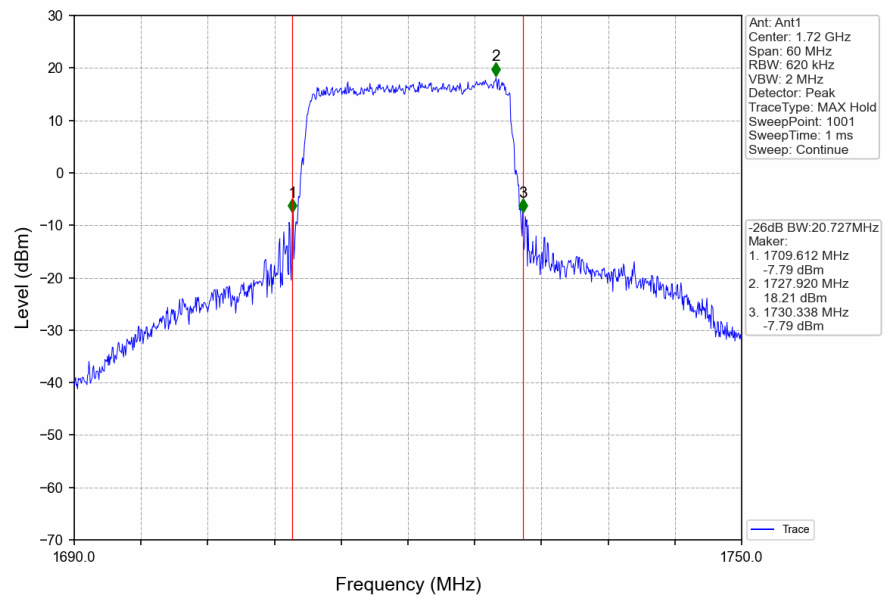
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



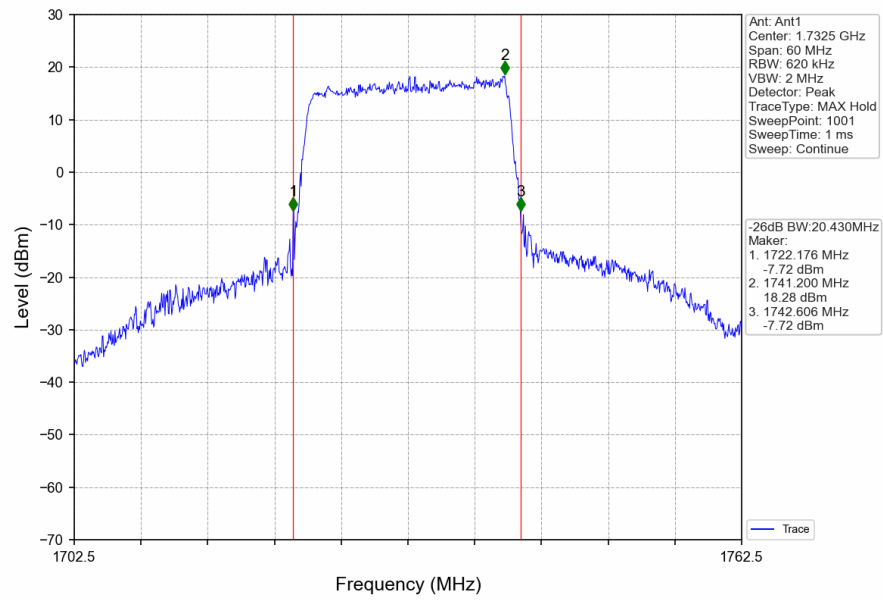
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



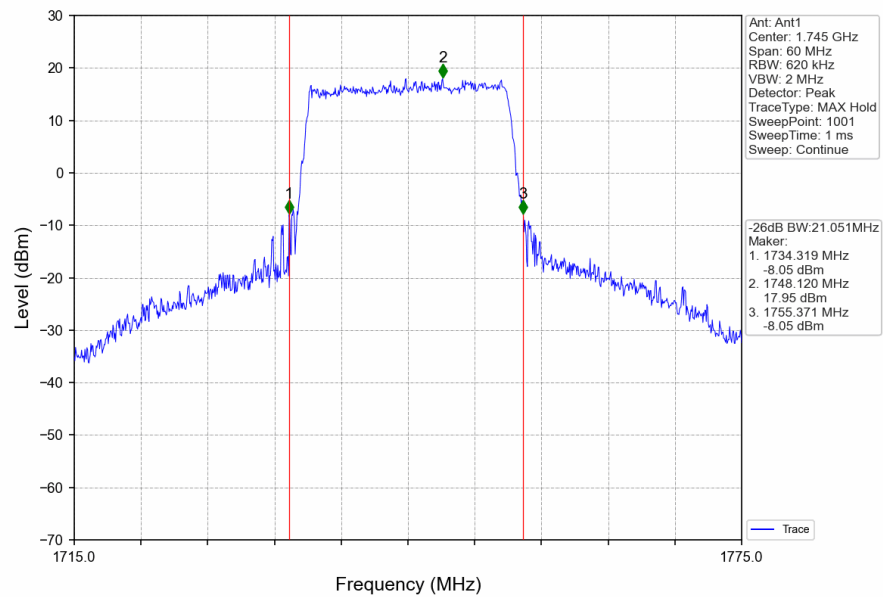
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



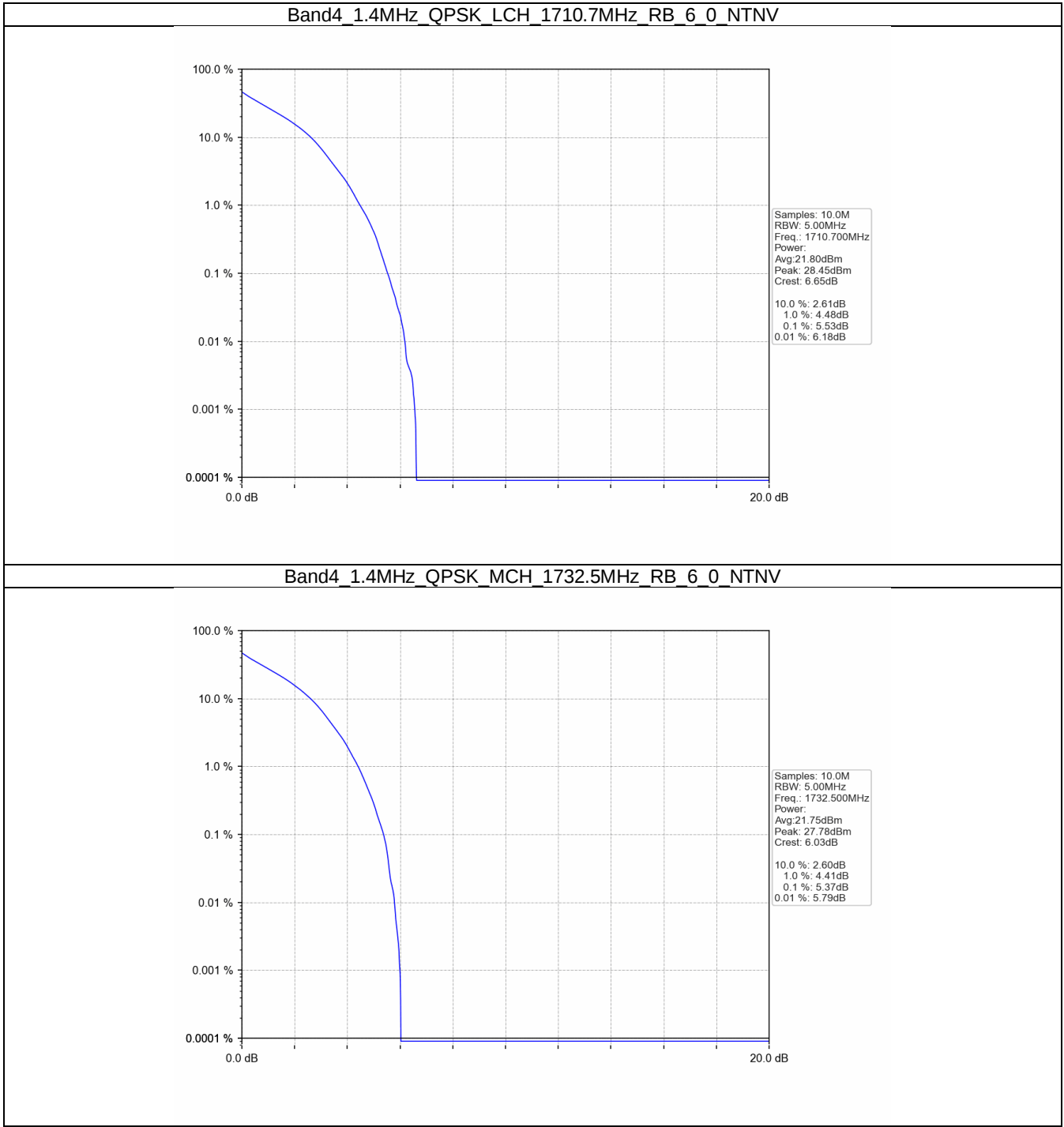
5. Peak-Average Ratio

5.1 B4_1.4MHz

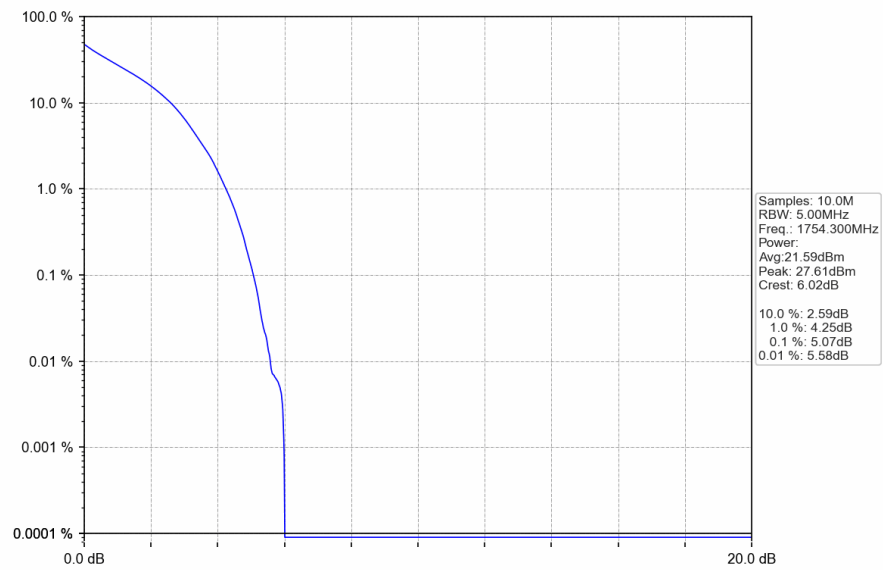
5.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.53	<=13	Pass
	1732.5	6	0	5.37	<=13	Pass
	1754.3	6	0	5.07	<=13	Pass
16QAM	1710.7	6	0	6.35	<=13	Pass
	1732.5	6	0	6.10	<=13	Pass
	1754.3	6	0	5.80	<=13	Pass

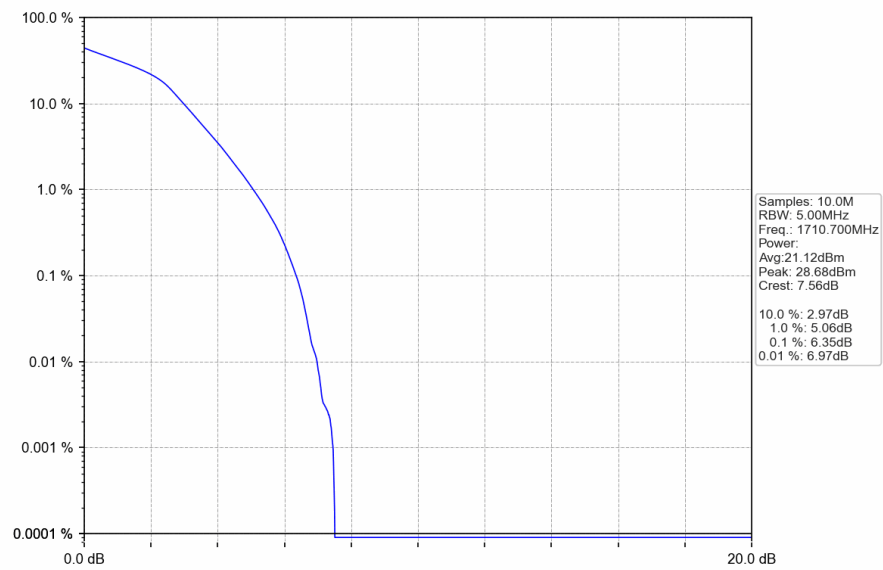
5.1.2 Test Graph



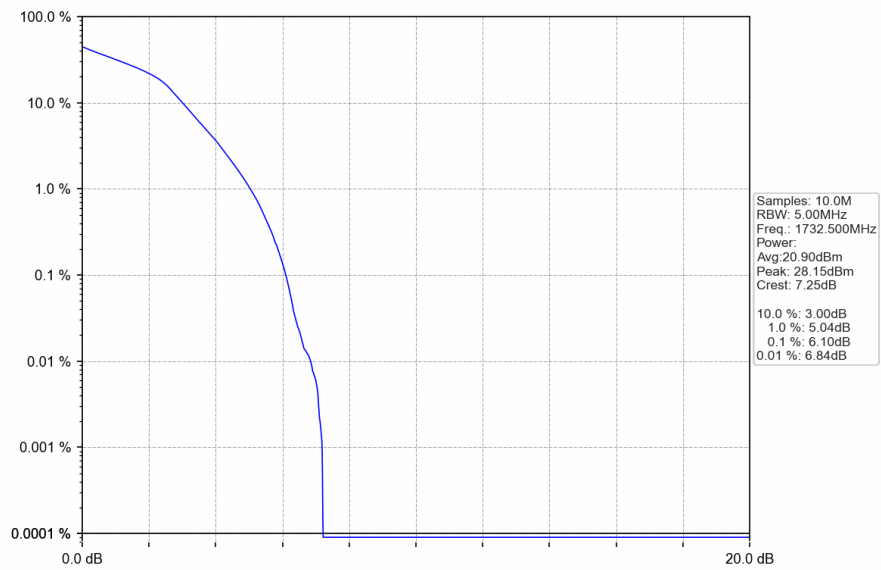
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



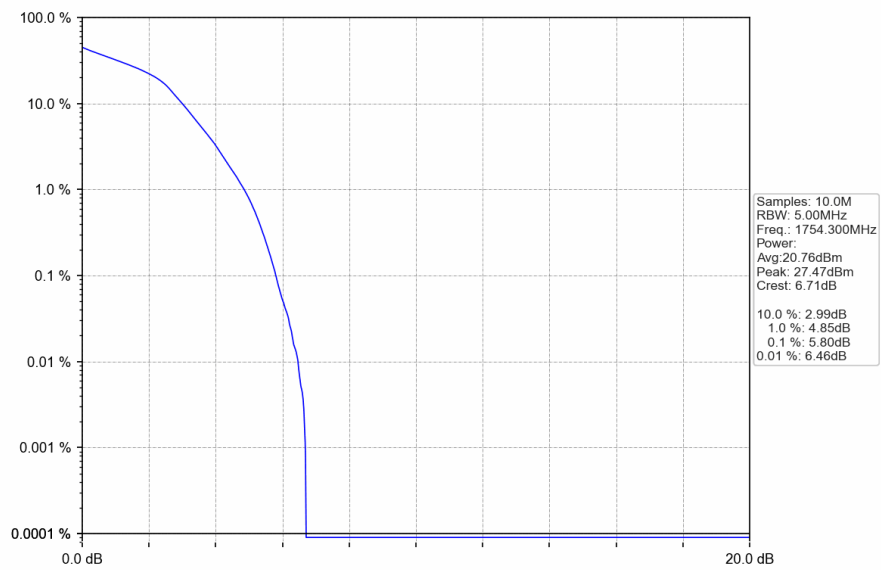
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



5.2 B4_3MHz

5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.56	<=13	Pass
	1732.5	15	0	5.30	<=13	Pass
	1753.5	15	0	5.08	<=13	Pass
16QAM	1711.5	15	0	6.34	<=13	Pass
	1732.5	15	0	6.07	<=13	Pass
	1753.5	15	0	5.85	<=13	Pass