

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	23.03	6.00	29.03	<=30	Pass
			2	23.05	6.00	29.05	<=30	Pass
			5	23.13	6.00	29.13	<=30	Pass
		3	0	23.08	6.00	29.08	<=30	Pass
			2	23.06	6.00	29.06	<=30	Pass
			3	23.16	6.00	29.16	<=30	Pass
	1732.5	1	0	22.15	6.00	28.15	<=30	Pass
			0	23.37	6.00	29.37	<=30	Pass
			2	23.31	6.00	29.31	<=30	Pass
		3	5	23.39	6.00	29.39	<=30	Pass
			0	23.35	6.00	29.35	<=30	Pass
			2	23.40	6.00	29.40	<=30	Pass
			3	23.43	6.00	29.43	<=30	Pass
		6	0	22.42	6.00	28.42	<=30	Pass
	1754.3	1	0	23.32	6.00	29.32	<=30	Pass
			2	23.28	6.00	29.28	<=30	Pass
			5	23.16	6.00	29.16	<=30	Pass
		3	0	23.15	6.00	29.15	<=30	Pass
			2	23.21	6.00	29.21	<=30	Pass
			3	23.18	6.00	29.18	<=30	Pass
		6	0	22.28	6.00	28.28	<=30	Pass
16QAM	1710.7	1	0	22.21	6.00	28.21	<=30	Pass
			2	22.19	6.00	28.19	<=30	Pass
			5	22.25	6.00	28.25	<=30	Pass
		3	0	22.38	6.00	28.38	<=30	Pass
			2	22.44	6.00	28.44	<=30	Pass
			3	22.47	6.00	28.47	<=30	Pass
	1732.5	1	0	21.39	6.00	27.39	<=30	Pass
			0	22.41	6.00	28.41	<=30	Pass
			2	22.48	6.00	28.48	<=30	Pass
		3	5	22.54	6.00	28.54	<=30	Pass
			0	22.50	6.00	28.50	<=30	Pass
			2	22.50	6.00	28.50	<=30	Pass
			3	22.52	6.00	28.52	<=30	Pass
		6	0	21.40	6.00	27.40	<=30	Pass
	1754.3	1	0	22.37	6.00	28.37	<=30	Pass
			2	22.34	6.00	28.34	<=30	Pass
			5	22.30	6.00	28.30	<=30	Pass
		3	0	22.35	6.00	28.35	<=30	Pass
			2	22.39	6.00	28.39	<=30	Pass
			3	22.34	6.00	28.34	<=30	Pass
		6	0	21.34	6.00	27.34	<=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	23.02	6.00	29.02	<=30	Pass
			7	23.22	6.00	29.22	<=30	Pass
			14	23.07	6.00	29.07	<=30	Pass
		8	0	22.16	6.00	28.16	<=30	Pass
			4	22.26	6.00	28.26	<=30	Pass
			7	22.24	6.00	28.24	<=30	Pass
		15	0	22.21	6.00	28.21	<=30	Pass
	1732.5	1	0	23.10	6.00	29.10	<=30	Pass
			7	23.20	6.00	29.20	<=30	Pass
			14	23.22	6.00	29.22	<=30	Pass
		8	0	22.22	6.00	28.22	<=30	Pass
			4	22.31	6.00	28.31	<=30	Pass
		7	22.31	6.00	28.31	<=30	Pass	
	15	0	22.27	6.00	28.27	<=30	Pass	
	1753.5	1	0	23.30	6.00	29.30	<=30	Pass
			7	23.35	6.00	29.35	<=30	Pass
			14	23.13	6.00	29.13	<=30	Pass
		8	0	22.41	6.00	28.41	<=30	Pass
			4	22.33	6.00	28.33	<=30	Pass
			7	22.34	6.00	28.34	<=30	Pass
		15	0	22.27	6.00	28.27	<=30	Pass
16QAM	1711.5	1	0	22.20	6.00	28.20	<=30	Pass
			7	22.45	6.00	28.45	<=30	Pass
			14	22.34	6.00	28.34	<=30	Pass
		8	0	21.23	6.00	27.23	<=30	Pass
			4	21.35	6.00	27.35	<=30	Pass
			7	21.37	6.00	27.37	<=30	Pass
		15	0	21.37	6.00	27.37	<=30	Pass
	1732.5	1	0	22.29	6.00	28.29	<=30	Pass
			7	22.46	6.00	28.46	<=30	Pass
			14	22.42	6.00	28.42	<=30	Pass
		8	0	21.41	6.00	27.41	<=30	Pass
			4	21.50	6.00	27.50	<=30	Pass
	7	21.52	6.00	27.52	<=30	Pass		
	15	0	21.44	6.00	27.44	<=30	Pass	
	1753.5	1	0	22.40	6.00	28.40	<=30	Pass
			7	22.45	6.00	28.45	<=30	Pass
			14	22.16	6.00	28.16	<=30	Pass
		8	0	21.55	6.00	27.55	<=30	Pass
4			21.53	6.00	27.53	<=30	Pass	
7			21.51	6.00	27.51	<=30	Pass	
15		0	21.47	6.00	27.47	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	22.64	6.00	28.64	<=30	Pass
			13	22.64	6.00	28.64	<=30	Pass
			24	22.43	6.00	28.43	<=30	Pass
		12	0	21.48	6.00	27.48	<=30	Pass
			6	21.56	6.00	27.56	<=30	Pass
			13	21.42	6.00	27.42	<=30	Pass
		25	0	21.45	6.00	27.45	<=30	Pass
	1732.5	1	0	23.28	6.00	29.28	<=30	Pass
			13	23.34	6.00	29.34	<=30	Pass
			24	23.26	6.00	29.26	<=30	Pass
		12	0	22.25	6.00	28.25	<=30	Pass
			6	22.30	6.00	28.30	<=30	Pass
			13	22.29	6.00	28.29	<=30	Pass
		25	0	22.32	6.00	28.32	<=30	Pass
	1752.5	1	0	22.49	6.00	28.49	<=30	Pass
			13	22.23	6.00	28.23	<=30	Pass
			24	21.93	6.00	27.93	<=30	Pass
		12	0	21.26	6.00	27.26	<=30	Pass
			6	21.27	6.00	27.27	<=30	Pass
			13	21.10	6.00	27.10	<=30	Pass
		25	0	21.17	6.00	27.17	<=30	Pass
16QAM	1712.5	1	0	21.56	6.00	27.56	<=30	Pass
			13	21.52	6.00	27.52	<=30	Pass
			24	21.44	6.00	27.44	<=30	Pass
		12	0	20.58	6.00	26.58	<=30	Pass
			6	20.72	6.00	26.72	<=30	Pass
			13	20.57	6.00	26.57	<=30	Pass
		25	0	20.56	6.00	26.56	<=30	Pass
	1732.5	1	0	22.55	6.00	28.55	<=30	Pass
			13	22.70	6.00	28.70	<=30	Pass
			24	22.61	6.00	28.61	<=30	Pass
		12	0	21.37	6.00	27.37	<=30	Pass
			6	21.48	6.00	27.48	<=30	Pass
			13	21.37	6.00	27.37	<=30	Pass
		25	0	21.35	6.00	27.35	<=30	Pass
	1752.5	1	0	21.63	6.00	27.63	<=30	Pass
			13	21.44	6.00	27.44	<=30	Pass
			24	21.17	6.00	27.17	<=30	Pass
		12	0	20.35	6.00	26.35	<=30	Pass
			6	20.41	6.00	26.41	<=30	Pass
			13	20.20	6.00	26.20	<=30	Pass
		25	0	20.36	6.00	26.36	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	22.07	6.00	28.07	<=30	Pass
			25	21.96	6.00	27.96	<=30	Pass
			49	21.91	6.00	27.91	<=30	Pass
		25	0	20.70	6.00	26.70	<=30	Pass
			13	20.89	6.00	26.89	<=30	Pass
			25	20.74	6.00	26.74	<=30	Pass
		50	0	20.70	6.00	26.70	<=30	Pass
	1732.5	1	0	22.52	6.00	28.52	<=30	Pass
			25	22.88	6.00	28.88	<=30	Pass
			49	22.85	6.00	28.85	<=30	Pass
		25	0	21.68	6.00	27.68	<=30	Pass
			13	21.86	6.00	27.86	<=30	Pass
			25	21.69	6.00	27.69	<=30	Pass
		50	0	21.73	6.00	27.73	<=30	Pass
	1750	1	0	22.56	6.00	28.56	<=30	Pass
			25	21.89	6.00	27.89	<=30	Pass
			49	21.37	6.00	27.37	<=30	Pass
		25	0	21.20	6.00	27.20	<=30	Pass
			13	20.97	6.00	26.97	<=30	Pass
			25	20.61	6.00	26.61	<=30	Pass
		50	0	20.82	6.00	26.82	<=30	Pass
16QAM	1715	1	0	21.52	6.00	27.52	<=30	Pass
			25	21.52	6.00	27.52	<=30	Pass
			49	21.55	6.00	27.55	<=30	Pass
		12	0	20.91	6.00	26.91	<=30	Pass
			19	20.93	6.00	26.93	<=30	Pass
			38	21.00	6.00	27.00	<=30	Pass
		27	0	19.77	6.00	25.77	<=30	Pass
	1732.5	1	0	21.68	6.00	27.68	<=30	Pass
			25	22.14	6.00	28.14	<=30	Pass
			49	22.07	6.00	28.07	<=30	Pass
		12	0	21.74	6.00	27.74	<=30	Pass
			19	21.94	6.00	27.94	<=30	Pass
			38	21.88	6.00	27.88	<=30	Pass
		27	0	20.90	6.00	26.90	<=30	Pass
	1750	1	0	21.86	6.00	27.86	<=30	Pass
			25	21.17	6.00	27.17	<=30	Pass
			49	20.62	6.00	26.62	<=30	Pass
		12	0	21.67	6.00	27.67	<=30	Pass
19			21.23	6.00	27.23	<=30	Pass	
38			20.75	6.00	26.75	<=30	Pass	
27		23	19.93	6.00	25.93	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain								

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	22.59	6.00	28.59	<=30	Pass
			38	22.48	6.00	28.48	<=30	Pass
			74	22.50	6.00	28.50	<=30	Pass
		36	0	21.41	6.00	27.41	<=30	Pass
			18	21.45	6.00	27.45	<=30	Pass
			39	21.52	6.00	27.52	<=30	Pass
		75	0	21.49	6.00	27.49	<=30	Pass
	1732.5	1	0	22.54	6.00	28.54	<=30	Pass
			38	23.17	6.00	29.17	<=30	Pass
			74	23.29	6.00	29.29	<=30	Pass
		36	0	22.11	6.00	28.11	<=30	Pass
			18	22.27	6.00	28.27	<=30	Pass
			39	22.31	6.00	28.31	<=30	Pass
	75	0	22.25	6.00	28.25	<=30	Pass	
	1747.5	1	0	23.06	6.00	29.06	<=30	Pass
			38	23.26	6.00	29.26	<=30	Pass
			74	22.45	6.00	28.45	<=30	Pass
		36	0	22.21	6.00	28.21	<=30	Pass
			18	22.16	6.00	28.16	<=30	Pass
			39	21.62	6.00	27.62	<=30	Pass
		75	0	21.83	6.00	27.83	<=30	Pass
16QAM	1717.5	1	0	21.65	6.00	27.65	<=30	Pass
			38	21.75	6.00	27.75	<=30	Pass
			74	21.88	6.00	27.88	<=30	Pass
		12	0	21.32	6.00	27.32	<=30	Pass
			31	21.48	6.00	27.48	<=30	Pass
			63	21.48	6.00	27.48	<=30	Pass
		27	0	20.45	6.00	26.45	<=30	Pass
	1732.5	1	0	21.82	6.00	27.82	<=30	Pass
			38	22.48	6.00	28.48	<=30	Pass
			74	22.55	6.00	28.55	<=30	Pass
		12	0	21.61	6.00	27.61	<=30	Pass
			31	22.23	6.00	28.23	<=30	Pass
			63	22.09	6.00	28.09	<=30	Pass
	27	0	21.00	6.00	27.00	<=30	Pass	
	1747.5	1	0	22.58	6.00	28.58	<=30	Pass
			38	22.59	6.00	28.59	<=30	Pass
			74	21.74	6.00	27.74	<=30	Pass
		12	0	22.17	6.00	28.17	<=30	Pass
			31	22.14	6.00	28.14	<=30	Pass
			63	21.22	6.00	27.22	<=30	Pass
		27	48	20.63	6.00	26.63	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	22.25	6.00	28.25	<=30	Pass
			50	22.46	6.00	28.46	<=30	Pass
			99	22.67	6.00	28.67	<=30	Pass
		50	0	21.26	6.00	27.26	<=30	Pass
			25	21.58	6.00	27.58	<=30	Pass
			50	21.52	6.00	27.52	<=30	Pass
		100	0	21.49	6.00	27.49	<=30	Pass
	1732.5	1	0	22.33	6.00	28.33	<=30	Pass
			50	23.23	6.00	29.23	<=30	Pass
			99	23.32	6.00	29.32	<=30	Pass
		50	0	21.89	6.00	27.89	<=30	Pass
			25	22.31	6.00	28.31	<=30	Pass
			50	22.19	6.00	28.19	<=30	Pass
		100	0	22.23	6.00	28.23	<=30	Pass
	1745	1	0	22.72	6.00	28.72	<=30	Pass
			50	23.36	6.00	29.36	<=30	Pass
			99	22.19	6.00	28.19	<=30	Pass
		50	0	22.03	6.00	28.03	<=30	Pass
			25	22.21	6.00	28.21	<=30	Pass
			50	21.55	6.00	27.55	<=30	Pass
		100	0	21.85	6.00	27.85	<=30	Pass
16QAM	1720	1	0	21.93	6.00	27.93	<=30	Pass
			50	22.17	6.00	28.17	<=30	Pass
			99	22.48	6.00	28.48	<=30	Pass
		12	0	21.23	6.00	27.23	<=30	Pass
			44	21.61	6.00	27.61	<=30	Pass
			88	21.71	6.00	27.71	<=30	Pass
		27	0	20.28	6.00	26.28	<=30	Pass
	1732.5	1	0	21.70	6.00	27.70	<=30	Pass
			50	22.68	6.00	28.68	<=30	Pass
			99	22.62	6.00	28.62	<=30	Pass
		12	0	21.49	6.00	27.49	<=30	Pass
			44	22.38	6.00	28.38	<=30	Pass
			88	22.23	6.00	28.23	<=30	Pass
		27	0	20.67	6.00	26.67	<=30	Pass
	1745	1	0	22.59	6.00	28.59	<=30	Pass
			50	23.07	6.00	29.07	<=30	Pass
			99	21.83	6.00	27.83	<=30	Pass
		12	0	21.94	6.00	27.94	<=30	Pass
			44	22.61	6.00	28.61	<=30	Pass
			88	21.27	6.00	27.27	<=30	Pass
		27	73	20.54	6.00	26.54	<=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	14.142	0.0083	-2.5 to 2.5	Pass
					3.85	13.459	0.0079	-2.5 to 2.5	Pass
					4.43	9.725	0.0057	-2.5 to 2.5	Pass
				-30	3.85	8.482	0.0050	-2.5 to 2.5	Pass
				-20	3.85	7.357	0.0043	-2.5 to 2.5	Pass
				-10	3.85	5.797	0.0034	-2.5 to 2.5	Pass
				0	3.85	16.384	0.0096	-2.5 to 2.5	Pass
				10	3.85	13.012	0.0076	-2.5 to 2.5	Pass
				30	3.85	20.308	0.0119	-2.5 to 2.5	Pass
				40	3.85	-4.090	-0.0024	-2.5 to 2.5	Pass
				50	3.85	13.889	0.0081	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	14.928	0.0086	-2.5 to 2.5	Pass
					3.85	11.070	0.0064	-2.5 to 2.5	Pass
					4.43	12.913	0.0075	-2.5 to 2.5	Pass
				-30	3.85	15.104	0.0087	-2.5 to 2.5	Pass
				-20	3.85	14.701	0.0085	-2.5 to 2.5	Pass
				-10	3.85	11.688	0.0067	-2.5 to 2.5	Pass
				0	3.85	20.683	0.0119	-2.5 to 2.5	Pass
				10	3.85	18.809	0.0109	-2.5 to 2.5	Pass
				30	3.85	16.026	0.0093	-2.5 to 2.5	Pass
				40	3.85	16.076	0.0093	-2.5 to 2.5	Pass
				50	3.85	14.346	0.0083	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-20.685	-0.0118	-2.5 to 2.5	Pass
					3.85	4.430	0.0025	-2.5 to 2.5	Pass
					4.43	-20.005	-0.0114	-2.5 to 2.5	Pass
				-30	3.85	12.549	0.0072	-2.5 to 2.5	Pass
				-20	3.85	18.111	0.0103	-2.5 to 2.5	Pass
				-10	3.85	-17.950	-0.0102	-2.5 to 2.5	Pass
				0	3.85	11.361	0.0065	-2.5 to 2.5	Pass
				10	3.85	-13.926	-0.0079	-2.5 to 2.5	Pass
				30	3.85	-16.047	-0.0091	-2.5 to 2.5	Pass
				40	3.85	-16.284	-0.0093	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	2.760	0.0016	-2.5 to 2.5	Pass
					3.85	10.184	0.0060	-2.5 to 2.5	Pass
					4.43	20.168	0.0118	-2.5 to 2.5	Pass
				-30	3.85	12.003	0.0070	-2.5 to 2.5	Pass
				-20	3.85	-14.191	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	19.635	0.0115	-2.5 to 2.5	Pass
				0	3.85	8.356	0.0049	-2.5 to 2.5	Pass
				10	3.85	5.519	0.0032	-2.5 to 2.5	Pass
				30	3.85	12.480	0.0073	-2.5 to 2.5	Pass
				40	3.85	9.524	0.0056	-2.5 to 2.5	Pass
				50	3.85	15.312	0.0090	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-13.344	-0.0077	-2.5 to 2.5	Pass
					3.85	-10.045	-0.0058	-2.5 to 2.5	Pass

					4.43	-16.796	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-3.273	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-17.678	-0.0102	-2.5 to 2.5	Pass
				-10	3.85	15.849	0.0091	-2.5 to 2.5	Pass
				0	3.85	20.358	0.0118	-2.5 to 2.5	Pass
				10	3.85	13.302	0.0077	-2.5 to 2.5	Pass
				30	3.85	20.721	0.0120	-2.5 to 2.5	Pass
				40	3.85	14.707	0.0085	-2.5 to 2.5	Pass
				50	3.85	15.732	0.0091	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-14.036	-0.0080	-2.5 to 2.5	Pass
					3.85	16.210	0.0092	-2.5 to 2.5	Pass
					4.43	-0.689	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-18.779	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	8.688	0.0050	-2.5 to 2.5	Pass
				-10	3.85	-9.906	-0.0056	-2.5 to 2.5	Pass
				0	3.85	1.354	0.0008	-2.5 to 2.5	Pass
				10	3.85	-15.463	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-13.578	-0.0077	-2.5 to 2.5	Pass
				40	3.85	1.688	0.0010	-2.5 to 2.5	Pass
				50	3.85	-21.410	-0.0122	-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	19.985	0.0117	-2.5 to 2.5	Pass
					3.85	12.233	0.0071	-2.5 to 2.5	Pass
					4.43	16.999	0.0099	-2.5 to 2.5	Pass
				-30	3.85	11.762	0.0069	-2.5 to 2.5	Pass
				-20	3.85	17.052	0.0100	-2.5 to 2.5	Pass
				-10	3.85	19.138	0.0112	-2.5 to 2.5	Pass
				0	3.85	6.945	0.0041	-2.5 to 2.5	Pass
				10	3.85	5.406	0.0032	-2.5 to 2.5	Pass
				30	3.85	-9.347	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-8.418	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-8.090	-0.0047	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	15.870	0.0092	-2.5 to 2.5	Pass
					3.85	17.069	0.0099	-2.5 to 2.5	Pass
					4.43	17.405	0.0100	-2.5 to 2.5	Pass
				-30	3.85	13.186	0.0076	-2.5 to 2.5	Pass
				-20	3.85	11.132	0.0064	-2.5 to 2.5	Pass
				-10	3.85	17.617	0.0102	-2.5 to 2.5	Pass
				0	3.85	13.168	0.0076	-2.5 to 2.5	Pass
				10	3.85	-4.915	-0.0028	-2.5 to 2.5	Pass
				30	3.85	17.979	0.0104	-2.5 to 2.5	Pass
				40	3.85	13.545	0.0078	-2.5 to 2.5	Pass
				50	3.85	-16.834	-0.0097	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	3.731	0.0021	-2.5 to 2.5	Pass
					3.85	-12.549	-0.0072	-2.5 to 2.5	Pass
					4.43	-16.903	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-15.332	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	-14.279	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-15.473	-0.0088	-2.5 to 2.5	Pass
				0	3.85	0.416	0.0002	-2.5 to 2.5	Pass
				10	3.85	-15.878	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-15.132	-0.0086	-2.5 to 2.5	Pass
				40	3.85	-11.905	-0.0068	-2.5 to 2.5	Pass
				50	3.85	20.762	0.0118	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-16.483	-0.0096	-2.5 to 2.5	Pass
					3.85	-4.937	-0.0029	-2.5 to 2.5	Pass
					4.43	-9.230	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-0.874	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-8.329	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	0.030	0.0000	-2.5 to 2.5	Pass
				0	3.85	11.875	0.0069	-2.5 to 2.5	Pass
				10	3.85	-17.900	-0.0105	-2.5 to 2.5	Pass
				30	3.85	19.049	0.0111	-2.5 to 2.5	Pass
				40	3.85	2.997	0.0018	-2.5 to 2.5	Pass
				50	3.85	17.538	0.0102	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-16.040	-0.0093	-2.5 to 2.5	Pass
					3.85	-16.674	-0.0096	-2.5 to 2.5	Pass
					4.43	-13.841	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-18.030	-0.0104	-2.5 to 2.5	Pass
				-20	3.85	13.533	0.0078	-2.5 to 2.5	Pass

				-10	3.85	1.118	0.0006	-2.5 to 2.5	Pass
				0	3.85	15.686	0.0091	-2.5 to 2.5	Pass
				10	3.85	-5.830	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-14.223	-0.0082	-2.5 to 2.5	Pass
				40	3.85	0.774	0.0004	-2.5 to 2.5	Pass
				50	3.85	-20.907	-0.0121	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-14.419	-0.0082	-2.5 to 2.5	Pass
					3.85	-8.918	-0.0051	-2.5 to 2.5	Pass
					4.43	-18.742	-0.0107	-2.5 to 2.5	Pass
				-30	3.85	-21.070	-0.0120	-2.5 to 2.5	Pass
				-20	3.85	-0.278	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-11.940	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-20.152	-0.0115	-2.5 to 2.5	Pass
				10	3.85	0.523	0.0003	-2.5 to 2.5	Pass
				30	3.85	12.996	0.0074	-2.5 to 2.5	Pass
				40	3.85	-9.538	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-17.283	-0.0099	-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	16.879	0.0099	-2.5 to 2.5	Pass
					3.85	12.020	0.0070	-2.5 to 2.5	Pass
					4.43	12.338	0.0072	-2.5 to 2.5	Pass
				-30	3.85	10.858	0.0063	-2.5 to 2.5	Pass
				-20	3.85	19.622	0.0115	-2.5 to 2.5	Pass
				-10	3.85	12.841	0.0075	-2.5 to 2.5	Pass
				0	3.85	11.744	0.0069	-2.5 to 2.5	Pass
				10	3.85	13.146	0.0077	-2.5 to 2.5	Pass
				30	3.85	19.685	0.0115	-2.5 to 2.5	Pass
				40	3.85	14.181	0.0083	-2.5 to 2.5	Pass
				50	3.85	20.108	0.0117	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	20.177	0.0116	-2.5 to 2.5	Pass
					3.85	5.457	0.0031	-2.5 to 2.5	Pass
					4.43	6.478	0.0037	-2.5 to 2.5	Pass
				-30	3.85	18.459	0.0107	-2.5 to 2.5	Pass
				-20	3.85	14.484	0.0084	-2.5 to 2.5	Pass
				-10	3.85	13.023	0.0075	-2.5 to 2.5	Pass
				0	3.85	20.452	0.0118	-2.5 to 2.5	Pass
				10	3.85	14.904	0.0086	-2.5 to 2.5	Pass
				30	3.85	2.788	0.0016	-2.5 to 2.5	Pass
				40	3.85	16.018	0.0092	-2.5 to 2.5	Pass
				50	3.85	15.029	0.0087	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	13.798	0.0079	-2.5 to 2.5	Pass
					3.85	-15.231	-0.0087	-2.5 to 2.5	Pass
					4.43	-19.592	-0.0112	-2.5 to 2.5	Pass
				-30	3.85	15.240	0.0087	-2.5 to 2.5	Pass
				-20	3.85	9.410	0.0054	-2.5 to 2.5	Pass
				-10	3.85	19.226	0.0110	-2.5 to 2.5	Pass
				0	3.85	4.702	0.0027	-2.5 to 2.5	Pass
				10	3.85	18.438	0.0105	-2.5 to 2.5	Pass
				30	3.85	-14.577	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-18.511	-0.0106	-2.5 to 2.5	Pass
				50	3.85	-11.883	-0.0068	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-15.822	-0.0092	-2.5 to 2.5	Pass
					3.85	-13.396	-0.0078	-2.5 to 2.5	Pass
					4.43	13.934	0.0081	-2.5 to 2.5	Pass
				-30	3.85	16.310	0.0095	-2.5 to 2.5	Pass
				-20	3.85	-11.396	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	8.926	0.0052	-2.5 to 2.5	Pass
				0	3.85	16.234	0.0095	-2.5 to 2.5	Pass
				10	3.85	11.302	0.0066	-2.5 to 2.5	Pass
				30	3.85	-18.191	-0.0106	-2.5 to 2.5	Pass
				40	3.85	4.547	0.0027	-2.5 to 2.5	Pass
				50	3.85	-7.326	-0.0043	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-15.932	-0.0092	-2.5 to 2.5	Pass
					3.85	-10.041	-0.0058	-2.5 to 2.5	Pass
					4.43	-18.750	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-14.794	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-3.169	-0.0018	-2.5 to 2.5	Pass

				-10	3.85	16.107	0.0093	-2.5 to 2.5	Pass
				0	3.85	19.015	0.0110	-2.5 to 2.5	Pass
				10	3.85	1.091	0.0006	-2.5 to 2.5	Pass
				30	3.85	10.449	0.0060	-2.5 to 2.5	Pass
				40	3.85	-17.768	-0.0103	-2.5 to 2.5	Pass
				50	3.85	-18.537	-0.0107	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-17.854	-0.0102	-2.5 to 2.5	Pass
					3.85	-20.950	-0.0120	-2.5 to 2.5	Pass
					4.43	-18.726	-0.0107	-2.5 to 2.5	Pass
				-30	3.85	12.002	0.0068	-2.5 to 2.5	Pass
				-20	3.85	3.666	0.0021	-2.5 to 2.5	Pass
				-10	3.85	-11.765	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-21.050	-0.0120	-2.5 to 2.5	Pass
				10	3.85	12.215	0.0070	-2.5 to 2.5	Pass
				30	3.85	-11.719	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-20.079	-0.0115	-2.5 to 2.5	Pass
				50	3.85	13.002	0.0074	-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	17.453	0.0102	-2.5 to 2.5	Pass
					3.85	17.784	0.0104	-2.5 to 2.5	Pass
					4.43	18.191	0.0106	-2.5 to 2.5	Pass
				-30	3.85	17.987	0.0105	-2.5 to 2.5	Pass
				-20	3.85	9.682	0.0056	-2.5 to 2.5	Pass
				-10	3.85	5.935	0.0035	-2.5 to 2.5	Pass
				0	3.85	14.010	0.0082	-2.5 to 2.5	Pass
				10	3.85	13.722	0.0080	-2.5 to 2.5	Pass
				30	3.85	13.541	0.0079	-2.5 to 2.5	Pass
				40	3.85	12.402	0.0072	-2.5 to 2.5	Pass
				50	3.85	11.789	0.0069	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	17.809	0.0103	-2.5 to 2.5	Pass
					3.85	17.152	0.0099	-2.5 to 2.5	Pass
					4.43	17.316	0.0100	-2.5 to 2.5	Pass
				-30	3.85	13.516	0.0078	-2.5 to 2.5	Pass
				-20	3.85	11.900	0.0069	-2.5 to 2.5	Pass
				-10	3.85	15.099	0.0087	-2.5 to 2.5	Pass
				0	3.85	12.912	0.0075	-2.5 to 2.5	Pass
				10	3.85	16.465	0.0095	-2.5 to 2.5	Pass
				30	3.85	9.554	0.0055	-2.5 to 2.5	Pass
				40	3.85	13.913	0.0080	-2.5 to 2.5	Pass
				50	3.85	16.547	0.0096	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-18.163	-0.0104	-2.5 to 2.5	Pass
					3.85	-15.517	-0.0089	-2.5 to 2.5	Pass
					4.43	-16.012	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-9.578	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-17.440	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	13.499	0.0077	-2.5 to 2.5	Pass
				0	3.85	-11.415	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-17.306	-0.0099	-2.5 to 2.5	Pass
				30	3.85	-17.138	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-14.819	-0.0085	-2.5 to 2.5	Pass
				50	3.85	-19.514	-0.0112	-2.5 to 2.5	Pass
16QAM	1715	27	0	20	3.27	-19.573	-0.0114	-2.5 to 2.5	Pass
					3.85	12.958	0.0076	-2.5 to 2.5	Pass
					4.43	-15.990	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	9.119	0.0053	-2.5 to 2.5	Pass
				-20	3.85	-2.989	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-5.296	-0.0031	-2.5 to 2.5	Pass
				0	3.85	7.489	0.0044	-2.5 to 2.5	Pass
				10	3.85	-1.733	-0.0010	-2.5 to 2.5	Pass
				30	3.85	22.342	0.0130	-2.5 to 2.5	Pass
				40	3.85	-2.220	-0.0013	-2.5 to 2.5	Pass
				50	3.85	13.417	0.0078	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	-15.118	-0.0087	-2.5 to 2.5	Pass
					3.85	17.894	0.0103	-2.5 to 2.5	Pass
					4.43	-1.936	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-15.983	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-13.725	-0.0079	-2.5 to 2.5	Pass

				-10	3.85	-3.661	-0.0021	-2.5 to 2.5	Pass
				0	3.85	16.216	0.0094	-2.5 to 2.5	Pass
				10	3.85	16.580	0.0096	-2.5 to 2.5	Pass
				30	3.85	19.153	0.0111	-2.5 to 2.5	Pass
				40	3.85	9.862	0.0057	-2.5 to 2.5	Pass
				50	3.85	-9.317	-0.0054	-2.5 to 2.5	Pass
	1750	27	23	20	3.27	-19.313	-0.0110	-2.5 to 2.5	Pass
					3.85	-11.372	-0.0065	-2.5 to 2.5	Pass
					4.43	-18.857	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-17.030	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-7.979	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-14.111	-0.0081	-2.5 to 2.5	Pass
				0	3.85	-13.511	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-10.267	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-19.832	-0.0113	-2.5 to 2.5	Pass
				40	3.85	-19.244	-0.0110	-2.5 to 2.5	Pass
				50	3.85	-0.346	-0.0002	-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	3.464	0.0020	-2.5 to 2.5	Pass
					3.85	18.576	0.0108	-2.5 to 2.5	Pass
					4.43	18.949	0.0110	-2.5 to 2.5	Pass
				-30	3.85	16.211	0.0094	-2.5 to 2.5	Pass
				-20	3.85	18.964	0.0110	-2.5 to 2.5	Pass
				-10	3.85	13.797	0.0080	-2.5 to 2.5	Pass
				0	3.85	17.001	0.0099	-2.5 to 2.5	Pass
				10	3.85	19.676	0.0115	-2.5 to 2.5	Pass
				30	3.85	15.505	0.0090	-2.5 to 2.5	Pass
				40	3.85	14.697	0.0086	-2.5 to 2.5	Pass
				50	3.85	18.695	0.0109	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	14.793	0.0085	-2.5 to 2.5	Pass
					3.85	12.299	0.0071	-2.5 to 2.5	Pass
					4.43	14.908	0.0086	-2.5 to 2.5	Pass
				-30	3.85	17.650	0.0102	-2.5 to 2.5	Pass
				-20	3.85	17.857	0.0103	-2.5 to 2.5	Pass
				-10	3.85	16.716	0.0096	-2.5 to 2.5	Pass
				0	3.85	17.934	0.0104	-2.5 to 2.5	Pass
				10	3.85	14.382	0.0083	-2.5 to 2.5	Pass
				30	3.85	14.254	0.0082	-2.5 to 2.5	Pass
				40	3.85	15.928	0.0092	-2.5 to 2.5	Pass
				50	3.85	16.984	0.0098	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-17.847	-0.0102	-2.5 to 2.5	Pass
					3.85	-15.892	-0.0091	-2.5 to 2.5	Pass
					4.43	-19.122	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-19.805	-0.0113	-2.5 to 2.5	Pass
				-20	3.85	-5.966	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-6.750	-0.0039	-2.5 to 2.5	Pass
				0	3.85	5.185	0.0030	-2.5 to 2.5	Pass
				10	3.85	14.730	0.0084	-2.5 to 2.5	Pass
				30	3.85	17.504	0.0100	-2.5 to 2.5	Pass
				40	3.85	10.731	0.0061	-2.5 to 2.5	Pass
				50	3.85	14.415	0.0082	-2.5 to 2.5	Pass
16QAM	1717.5	27	0	20	3.27	18.829	0.0110	-2.5 to 2.5	Pass
					3.85	17.407	0.0101	-2.5 to 2.5	Pass
					4.43	18.579	0.0108	-2.5 to 2.5	Pass
				-30	3.85	10.486	0.0061	-2.5 to 2.5	Pass
				-20	3.85	15.809	0.0092	-2.5 to 2.5	Pass
				-10	3.85	20.173	0.0117	-2.5 to 2.5	Pass
				0	3.85	5.232	0.0030	-2.5 to 2.5	Pass
				10	3.85	8.151	0.0047	-2.5 to 2.5	Pass
				30	3.85	13.773	0.0080	-2.5 to 2.5	Pass
				40	3.85	20.574	0.0120	-2.5 to 2.5	Pass
				50	3.85	18.569	0.0108	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	5.438	0.0031	-2.5 to 2.5	Pass
					3.85	13.480	0.0078	-2.5 to 2.5	Pass
					4.43	13.564	0.0078	-2.5 to 2.5	Pass
				-30	3.85	21.134	0.0122	-2.5 to 2.5	Pass
				-20	3.85	12.443	0.0072	-2.5 to 2.5	Pass

				-10	3.85	13.851	0.0080	-2.5 to 2.5	Pass
				0	3.85	10.008	0.0058	-2.5 to 2.5	Pass
				10	3.85	-9.235	-0.0053	-2.5 to 2.5	Pass
				30	3.85	13.105	0.0076	-2.5 to 2.5	Pass
				40	3.85	19.569	0.0113	-2.5 to 2.5	Pass
				50	3.85	19.412	0.0112	-2.5 to 2.5	Pass
	1747.5	27	48	20	3.27	6.566	0.0038	-2.5 to 2.5	Pass
					3.85	16.013	0.0092	-2.5 to 2.5	Pass
					4.43	11.484	0.0066	-2.5 to 2.5	Pass
				-30	3.85	8.392	0.0048	-2.5 to 2.5	Pass
				-20	3.85	20.094	0.0115	-2.5 to 2.5	Pass
				-10	3.85	2.734	0.0016	-2.5 to 2.5	Pass
				0	3.85	19.615	0.0112	-2.5 to 2.5	Pass
				10	3.85	14.847	0.0085	-2.5 to 2.5	Pass
				30	3.85	9.620	0.0055	-2.5 to 2.5	Pass
				40	3.85	14.859	0.0085	-2.5 to 2.5	Pass
				50	3.85	6.508	0.0037	-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	-17.390	-0.0101	-2.5 to 2.5	Pass
					3.85	-18.219	-0.0106	-2.5 to 2.5	Pass
					4.43	-16.263	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-21.498	-0.0125	-2.5 to 2.5	Pass
				-20	3.85	-18.233	-0.0106	-2.5 to 2.5	Pass
				-10	3.85	-13.690	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-8.404	-0.0049	-2.5 to 2.5	Pass
				10	3.85	12.861	0.0075	-2.5 to 2.5	Pass
				30	3.85	13.069	0.0076	-2.5 to 2.5	Pass
				40	3.85	13.748	0.0080	-2.5 to 2.5	Pass
				50	3.85	19.501	0.0113	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-6.474	-0.0037	-2.5 to 2.5	Pass
					3.85	-9.599	-0.0055	-2.5 to 2.5	Pass
					4.43	19.791	0.0114	-2.5 to 2.5	Pass
				-30	3.85	11.253	0.0065	-2.5 to 2.5	Pass
				-20	3.85	13.643	0.0079	-2.5 to 2.5	Pass
				-10	3.85	17.383	0.0100	-2.5 to 2.5	Pass
				0	3.85	16.235	0.0094	-2.5 to 2.5	Pass
				10	3.85	17.721	0.0102	-2.5 to 2.5	Pass
				30	3.85	9.893	0.0057	-2.5 to 2.5	Pass
				40	3.85	14.569	0.0084	-2.5 to 2.5	Pass
				50	3.85	18.586	0.0107	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-15.831	-0.0091	-2.5 to 2.5	Pass
					3.85	-14.490	-0.0083	-2.5 to 2.5	Pass
					4.43	-16.845	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-8.067	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-6.854	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-16.537	-0.0095	-2.5 to 2.5	Pass
				0	3.85	-19.211	-0.0110	-2.5 to 2.5	Pass
				10	3.85	14.557	0.0083	-2.5 to 2.5	Pass
				30	3.85	4.687	0.0027	-2.5 to 2.5	Pass
				40	3.85	17.860	0.0102	-2.5 to 2.5	Pass
				50	3.85	11.880	0.0068	-2.5 to 2.5	Pass
16QAM	1720	27	0	20	3.27	17.491	0.0102	-2.5 to 2.5	Pass
					3.85	16.836	0.0098	-2.5 to 2.5	Pass
					4.43	8.027	0.0047	-2.5 to 2.5	Pass
				-30	3.85	-10.007	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	15.628	0.0091	-2.5 to 2.5	Pass
				-10	3.85	7.441	0.0043	-2.5 to 2.5	Pass
				0	3.85	12.501	0.0073	-2.5 to 2.5	Pass
				10	3.85	16.388	0.0095	-2.5 to 2.5	Pass
				30	3.85	5.883	0.0034	-2.5 to 2.5	Pass
				40	3.85	21.732	0.0126	-2.5 to 2.5	Pass
				50	3.85	19.287	0.0112	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	18.167	0.0105	-2.5 to 2.5	Pass
					3.85	14.045	0.0081	-2.5 to 2.5	Pass
					4.43	10.565	0.0061	-2.5 to 2.5	Pass
				-30	3.85	13.354	0.0077	-2.5 to 2.5	Pass
				-20	3.85	21.984	0.0127	-2.5 to 2.5	Pass

				-10	3.85	7.523	0.0043	-2.5 to 2.5	Pass
				0	3.85	16.573	0.0096	-2.5 to 2.5	Pass
				10	3.85	12.062	0.0070	-2.5 to 2.5	Pass
				30	3.85	16.046	0.0093	-2.5 to 2.5	Pass
				40	3.85	17.222	0.0099	-2.5 to 2.5	Pass
				50	3.85	-10.982	-0.0063	-2.5 to 2.5	Pass
	1745	27	73	20	3.27	-0.303	-0.0002	-2.5 to 2.5	Pass
					3.85	16.080	0.0092	-2.5 to 2.5	Pass
					4.43	8.992	0.0052	-2.5 to 2.5	Pass
				-30	3.85	10.712	0.0061	-2.5 to 2.5	Pass
				-20	3.85	15.956	0.0091	-2.5 to 2.5	Pass
				-10	3.85	14.112	0.0081	-2.5 to 2.5	Pass
				0	3.85	10.200	0.0058	-2.5 to 2.5	Pass
				10	3.85	13.926	0.0080	-2.5 to 2.5	Pass
				30	3.85	11.785	0.0068	-2.5 to 2.5	Pass
				40	3.85	16.300	0.0093	-2.5 to 2.5	Pass
				50	3.85	-0.373	-0.0002	-2.5 to 2.5	Pass

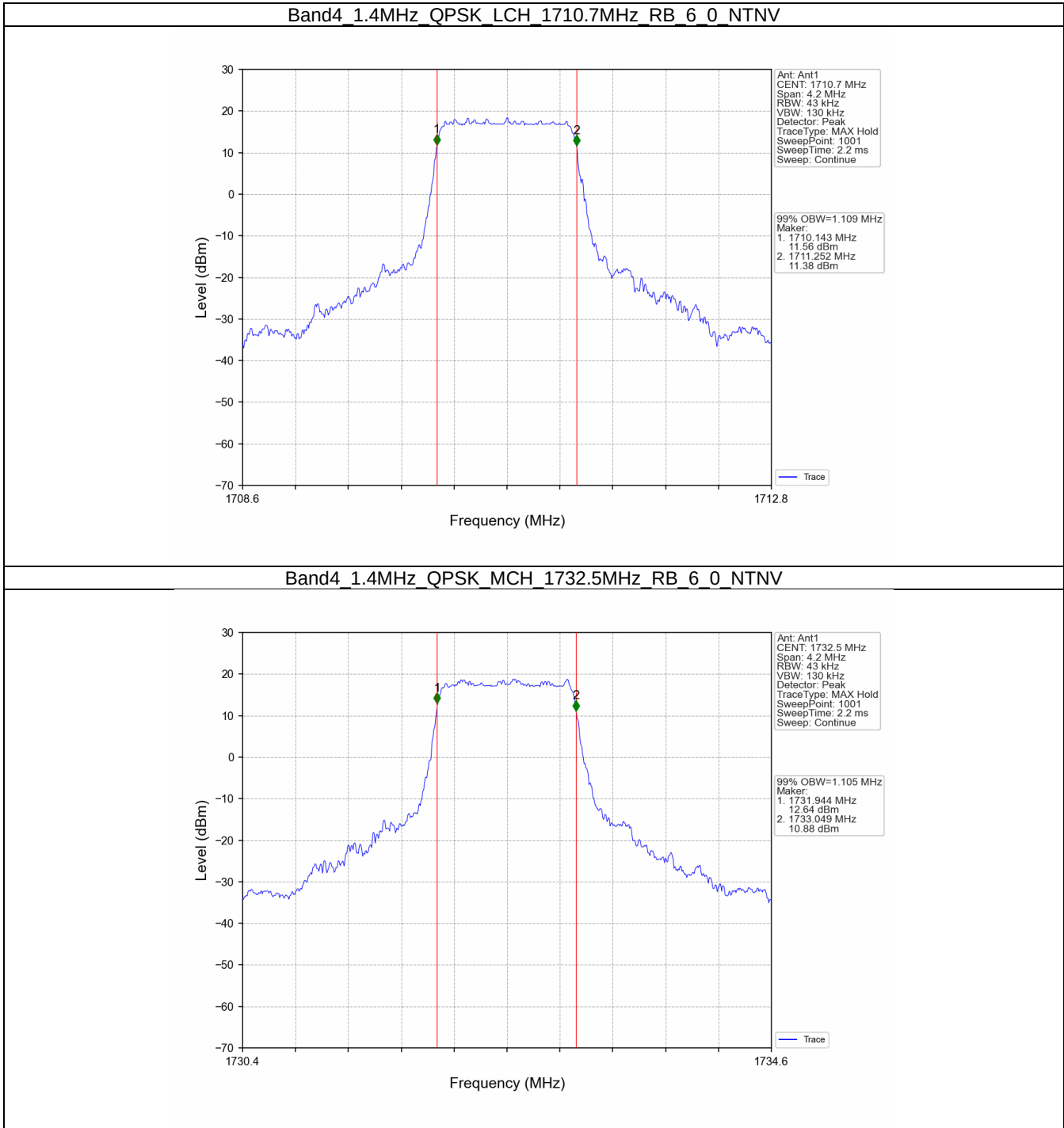
3. 99% & 26dB Bandwidth

3.1 Band4_OBW

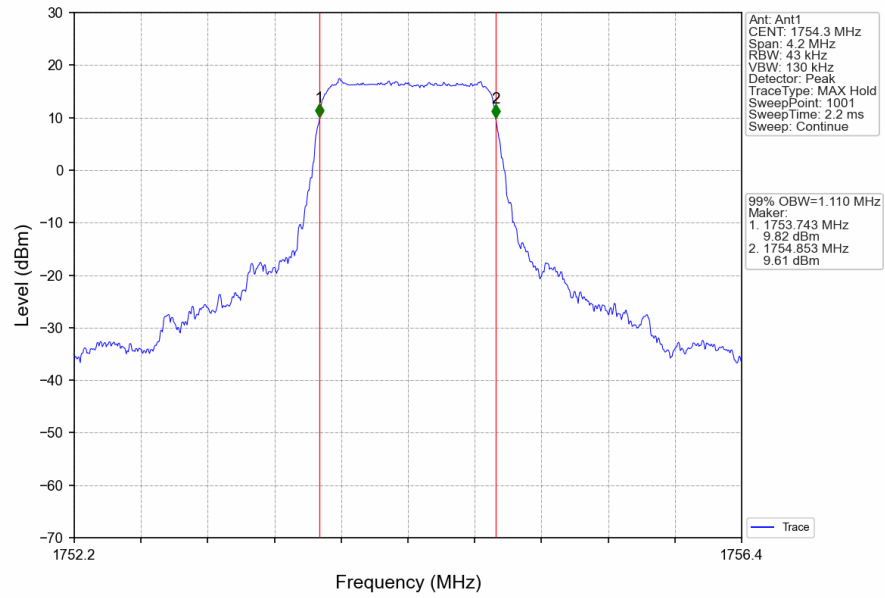
3.1.1 Test Result

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.109	/	Pass
		1732.5	6	0	1.105	/	Pass
		1754.3	6	0	1.110	/	Pass
	16QAM	1710.7	6	0	1.111	/	Pass
		1732.5	6	0	1.119	/	Pass
		1754.3	6	0	1.110	/	Pass
3	QPSK	1711.5	15	0	2.730	/	Pass
		1732.5	15	0	2.736	/	Pass
		1753.5	15	0	2.728	/	Pass
	16QAM	1711.5	15	0	2.734	/	Pass
		1732.5	15	0	2.726	/	Pass
		1753.5	15	0	2.731	/	Pass
5	QPSK	1712.5	25	0	4.550	/	Pass
		1732.5	25	0	4.541	/	Pass
		1752.5	25	0	4.533	/	Pass
	16QAM	1712.5	25	0	4.528	/	Pass
		1732.5	25	0	4.550	/	Pass
		1752.5	25	0	4.540	/	Pass
10	QPSK	1715	50	0	9.023	/	Pass
		1732.5	50	0	9.056	/	Pass
		1750	50	0	9.039	/	Pass
	16QAM	1715	27	0	5.079	/	Pass
		1732.5	27	0	5.067	/	Pass
		1750	27	23	5.051	/	Pass
15	QPSK	1717.5	75	0	13.548	/	Pass
		1732.5	75	0	13.533	/	Pass
		1747.5	75	0	13.507	/	Pass
	16QAM	1717.5	27	0	5.262	/	Pass
		1732.5	27	0	5.248	/	Pass
		1747.5	27	48	5.246	/	Pass
20	QPSK	1720	100	0	18.057	/	Pass
		1732.5	100	0	18.041	/	Pass
		1745	100	0	18.015	/	Pass
	16QAM	1720	27	0	5.420	/	Pass
		1732.5	27	0	5.453	/	Pass
		1745	27	73	5.387	/	Pass

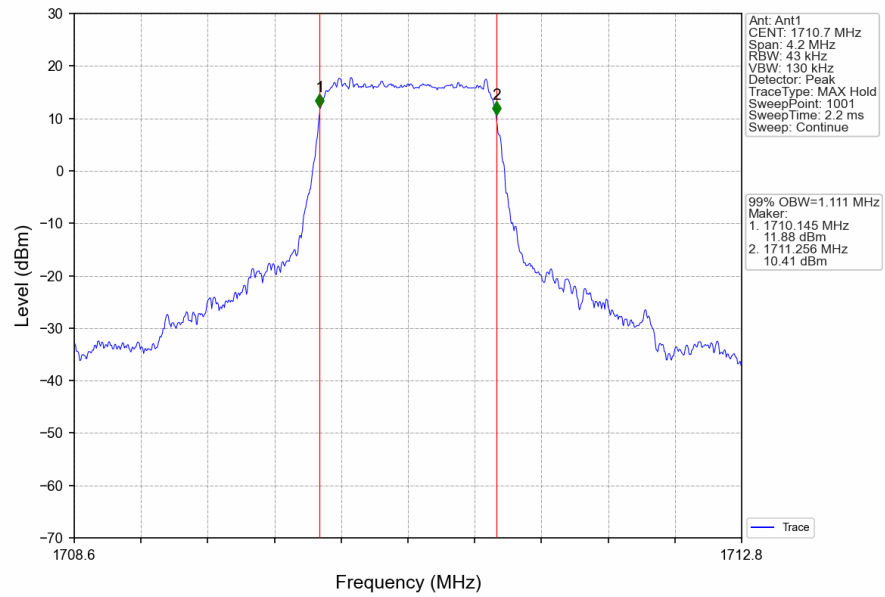
3.1.2 Test Graph



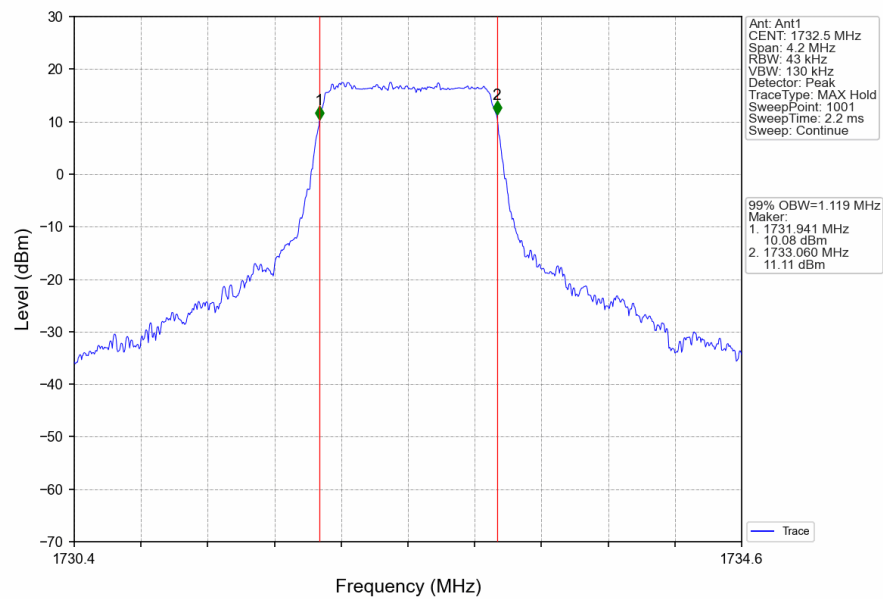
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



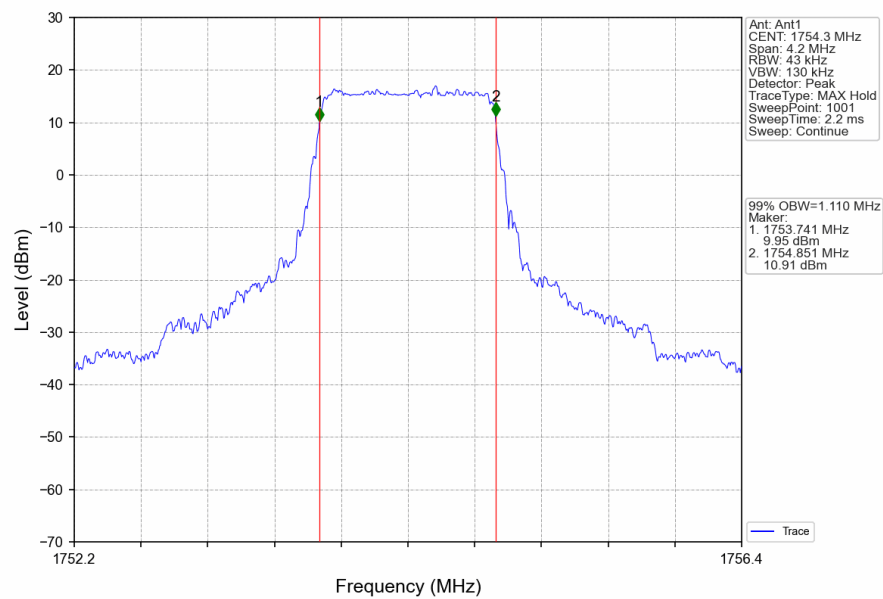
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



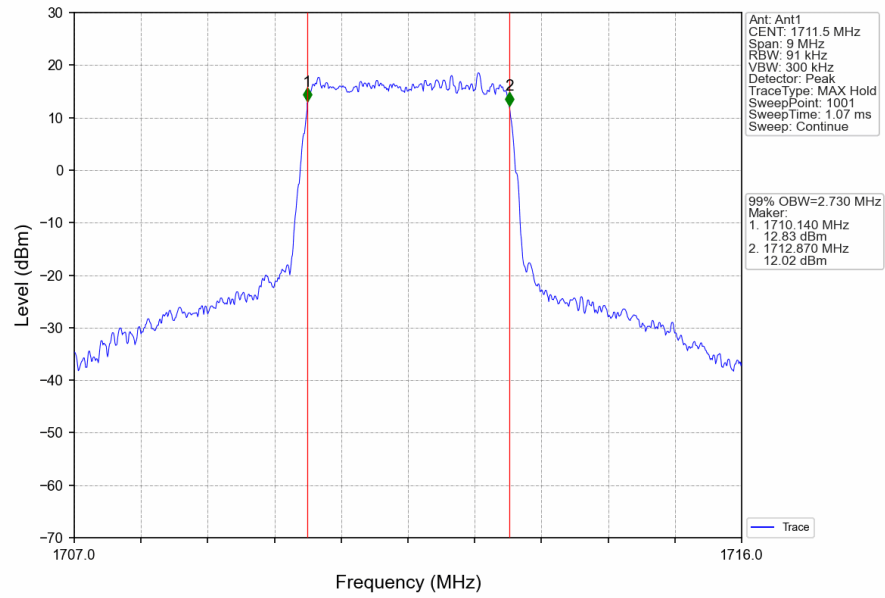
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN



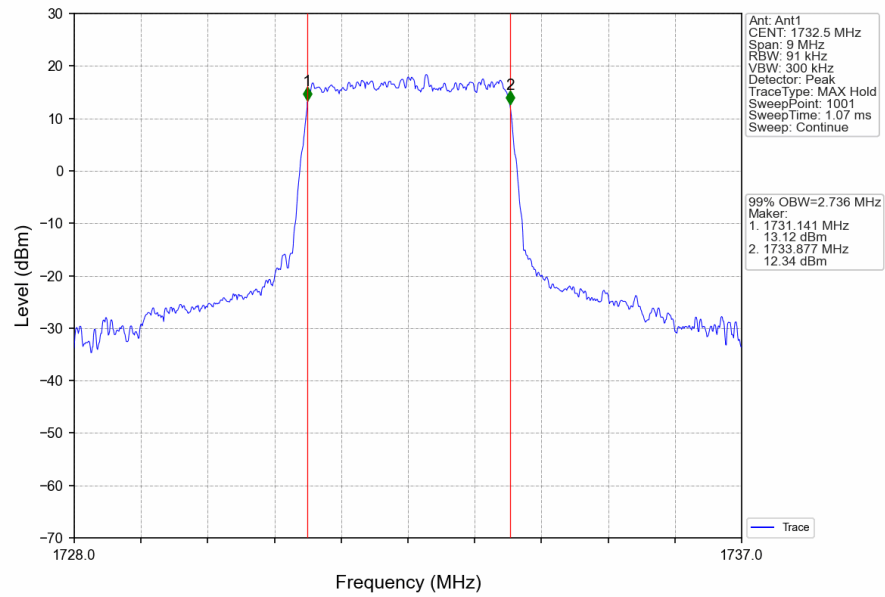
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



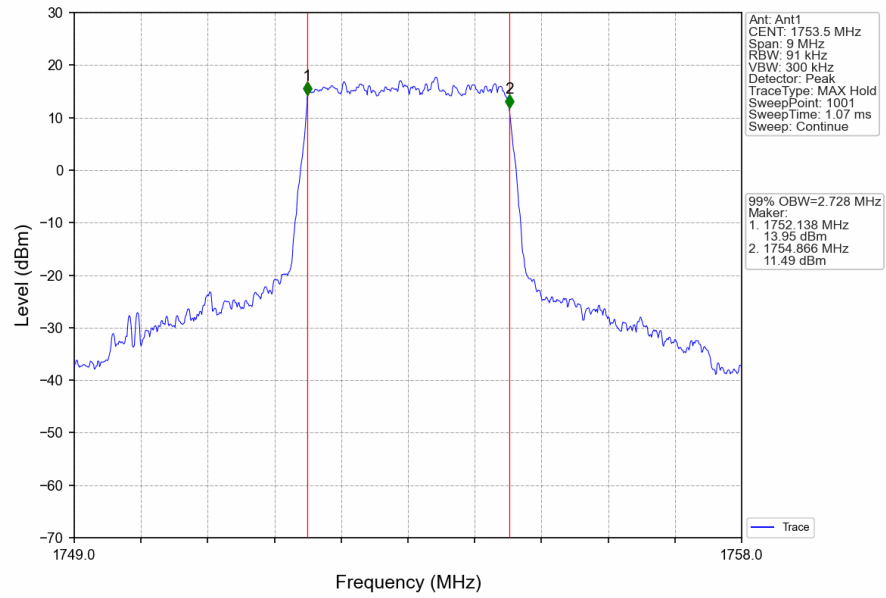
Band4 3MHz QPSK LCH 1711.5MHz RB 15_0 NTN



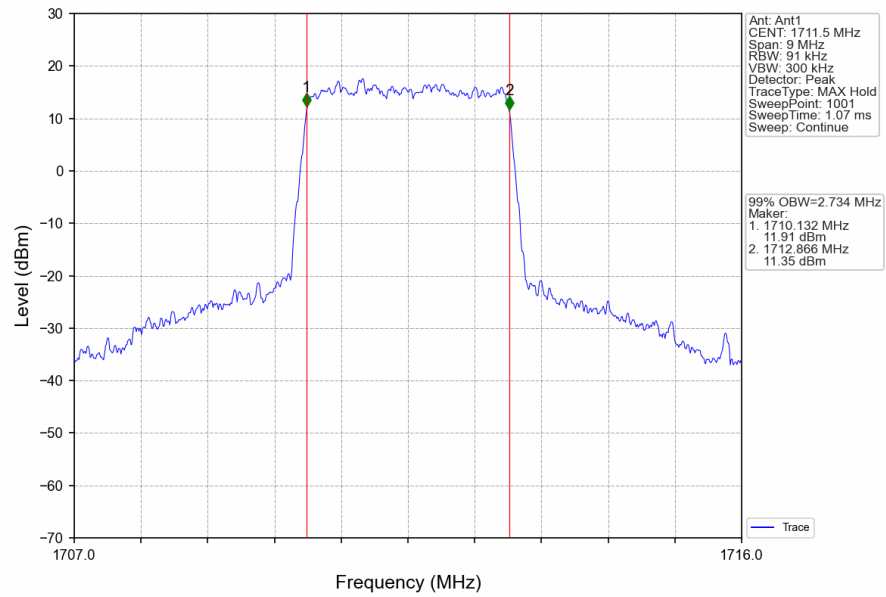
Band4 3MHz QPSK MCH 1732.5MHz RB 15_0 NTN



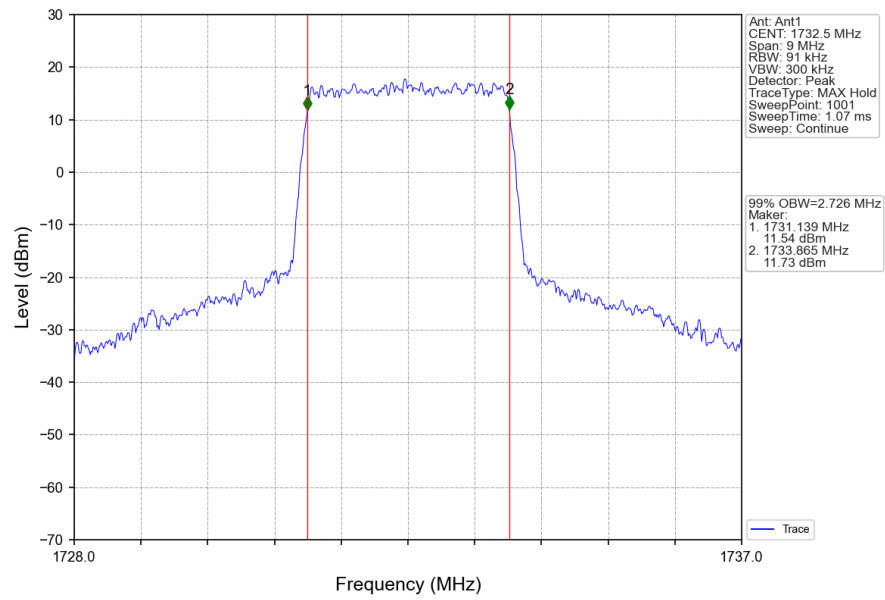
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



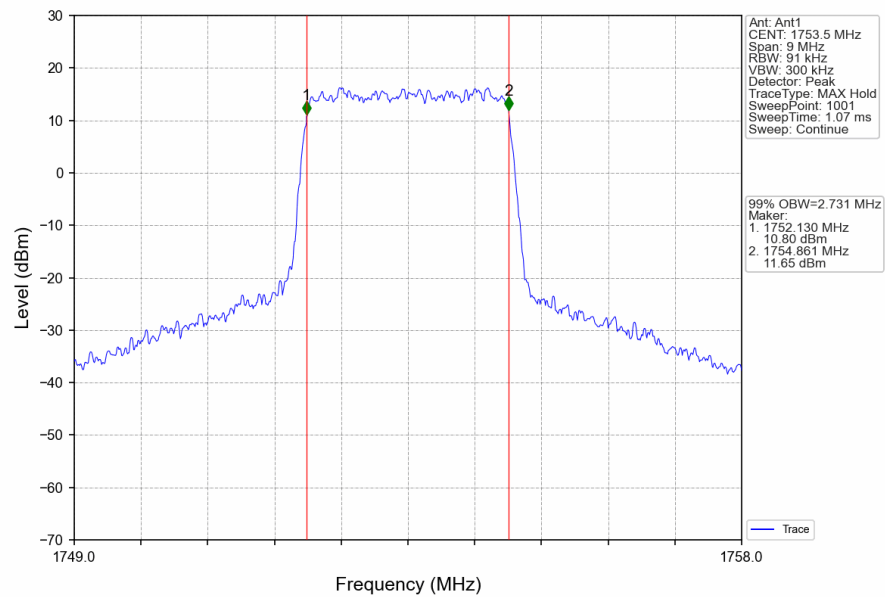
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



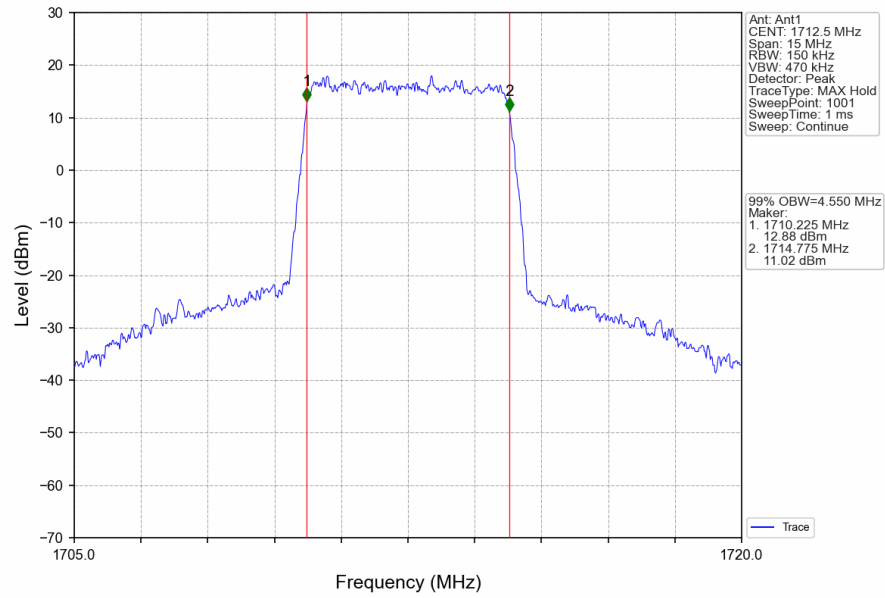
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



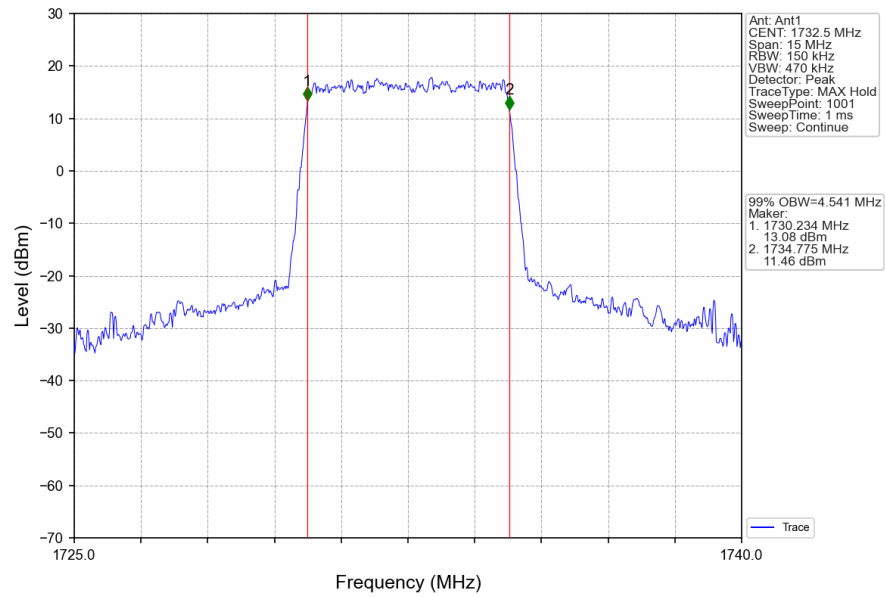
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



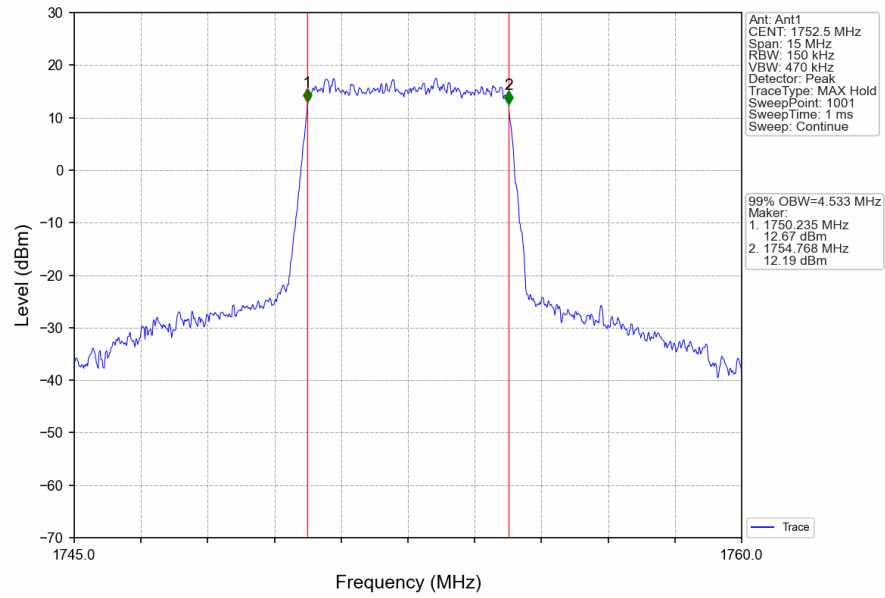
Band4 5MHz QPSK LCH 1712.5MHz RB 25_0 NTN



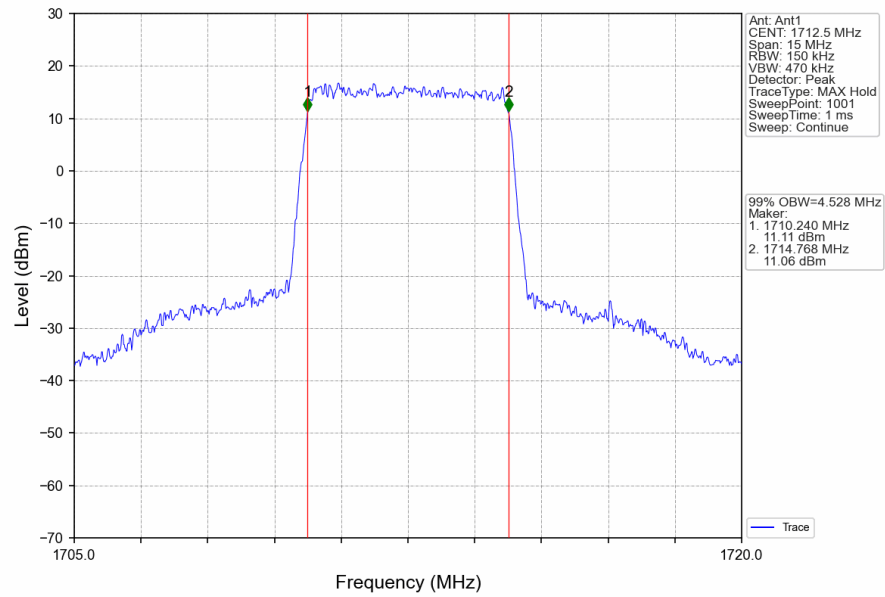
Band4 5MHz QPSK MCH 1732.5MHz RB 25_0 NTN



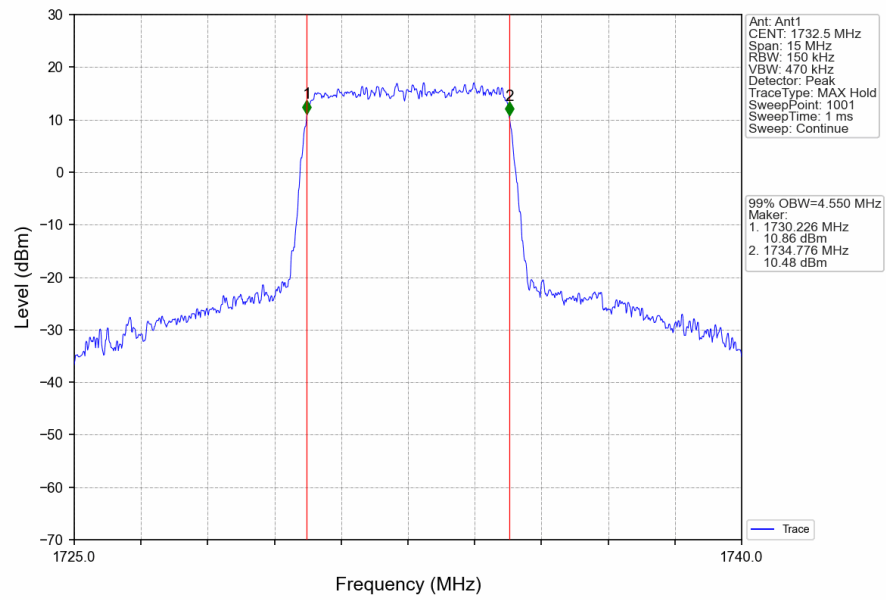
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



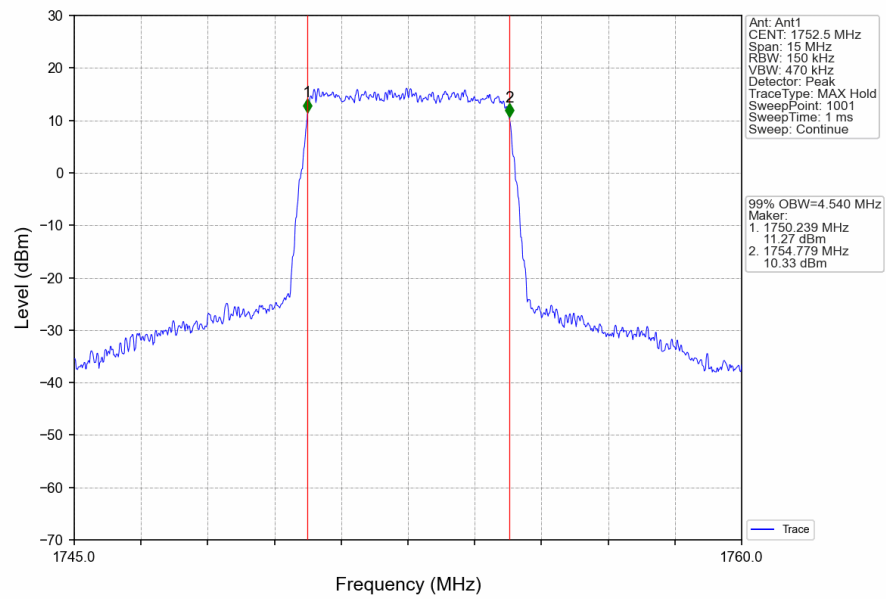
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



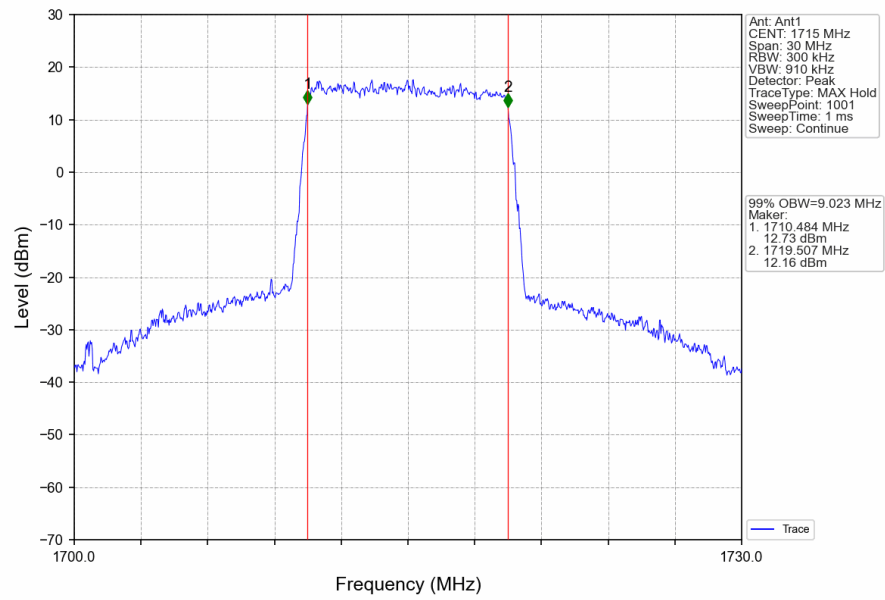
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



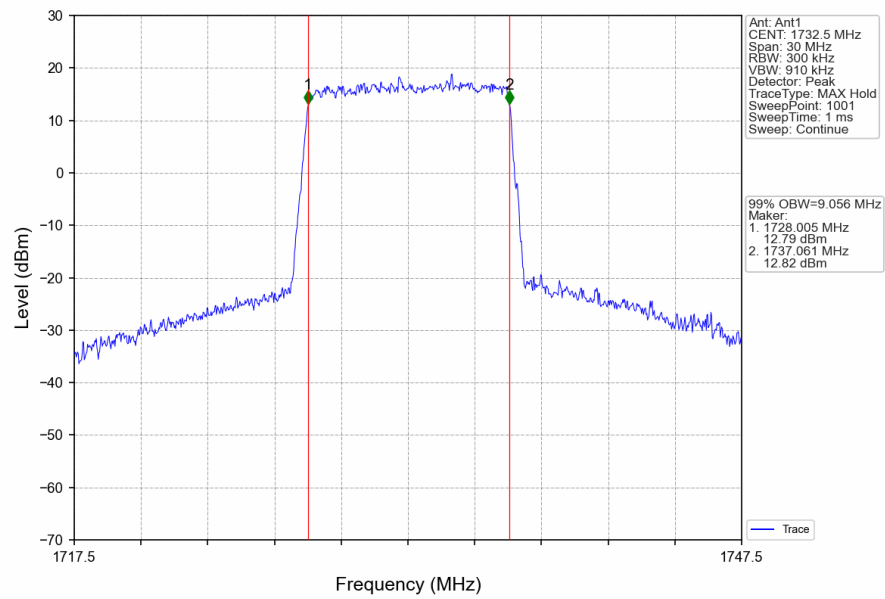
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



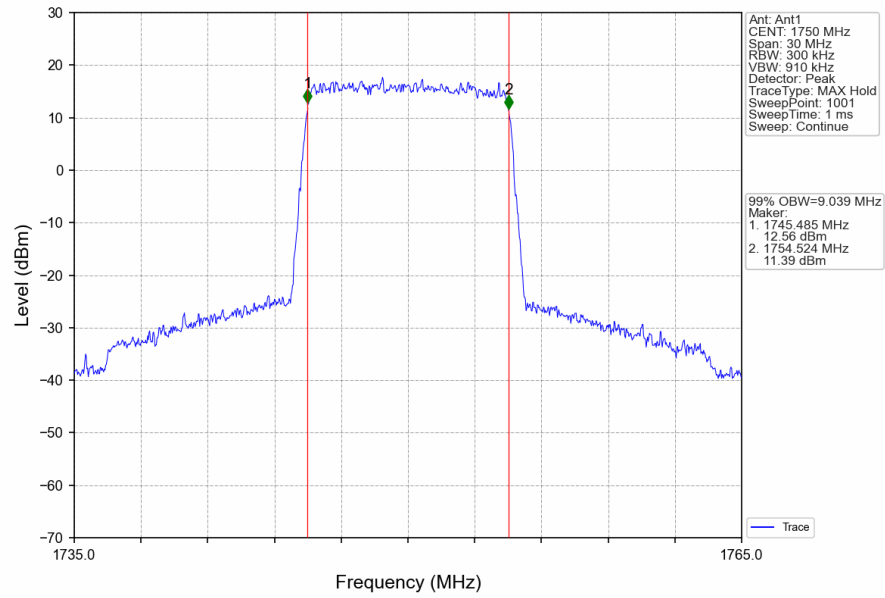
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTN



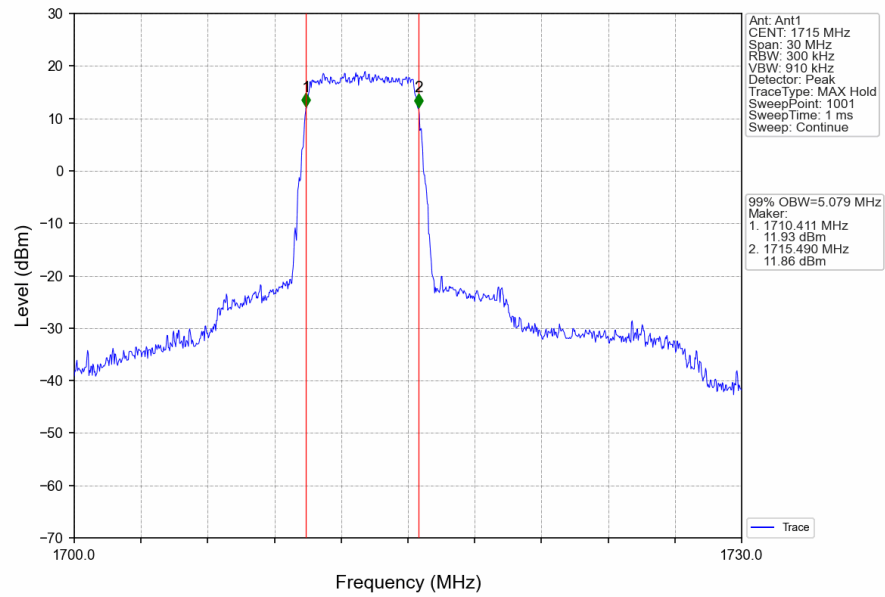
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTN



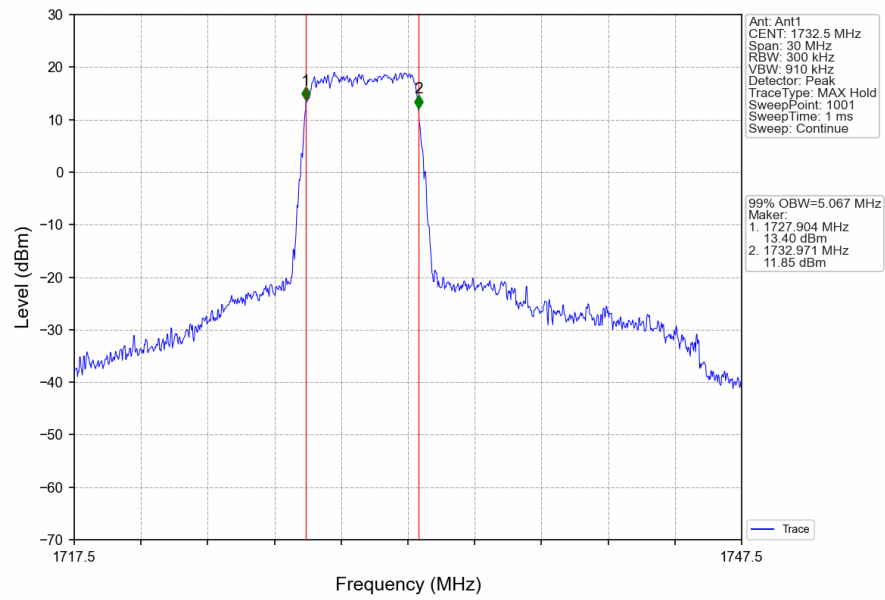
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



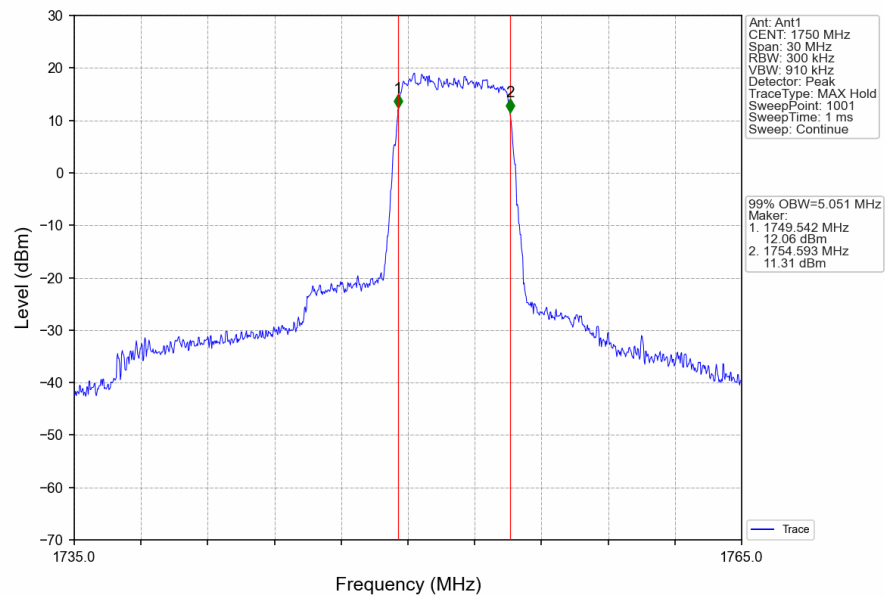
Band4 10MHz 16QAM LCH 1715MHz RB 27 0 NTNV



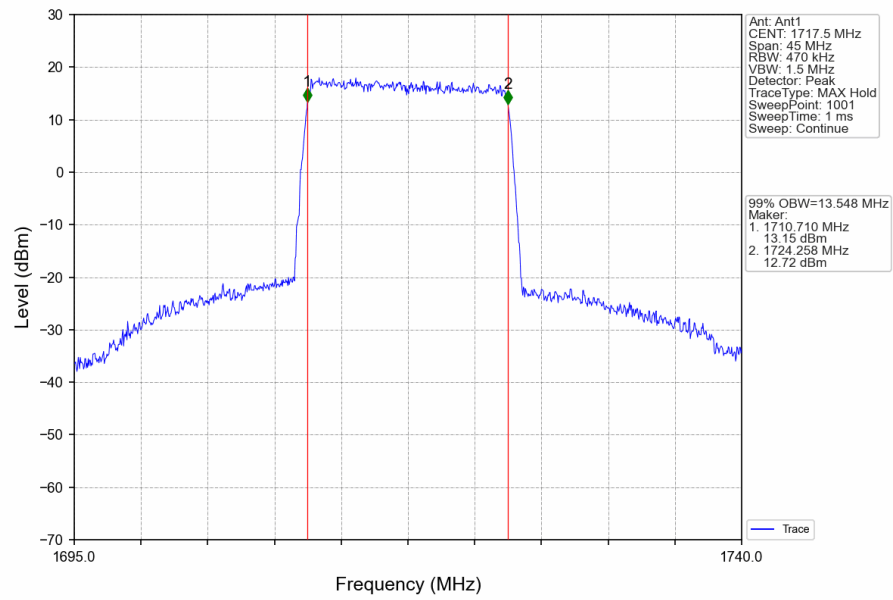
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



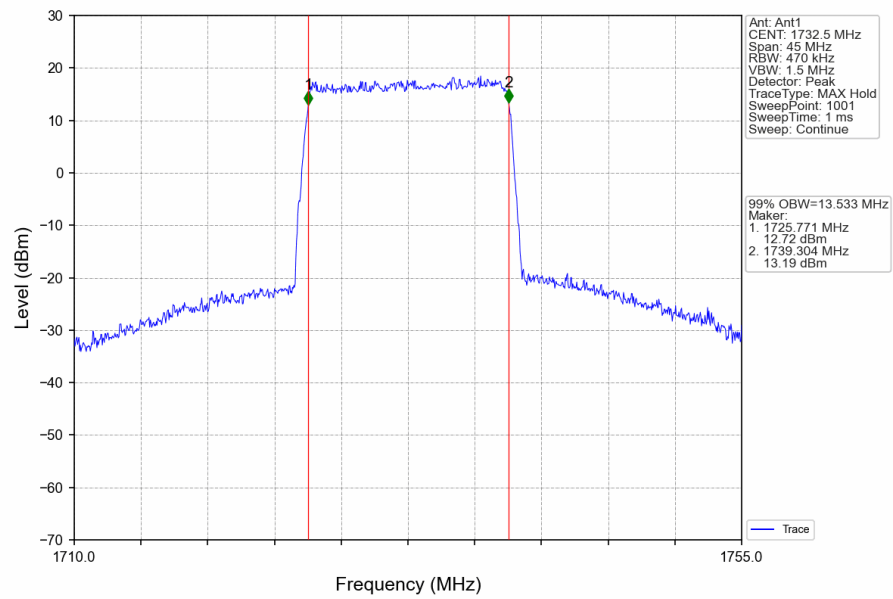
Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



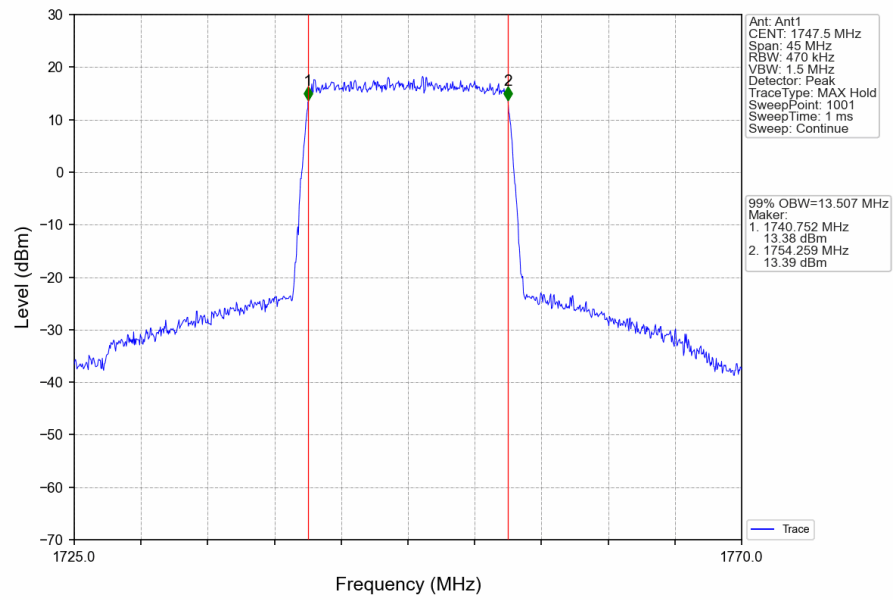
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



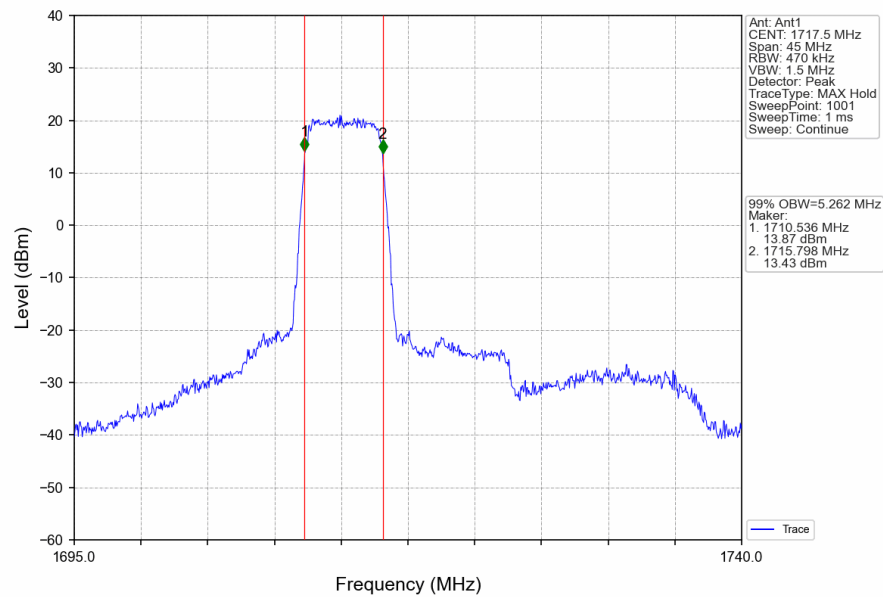
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



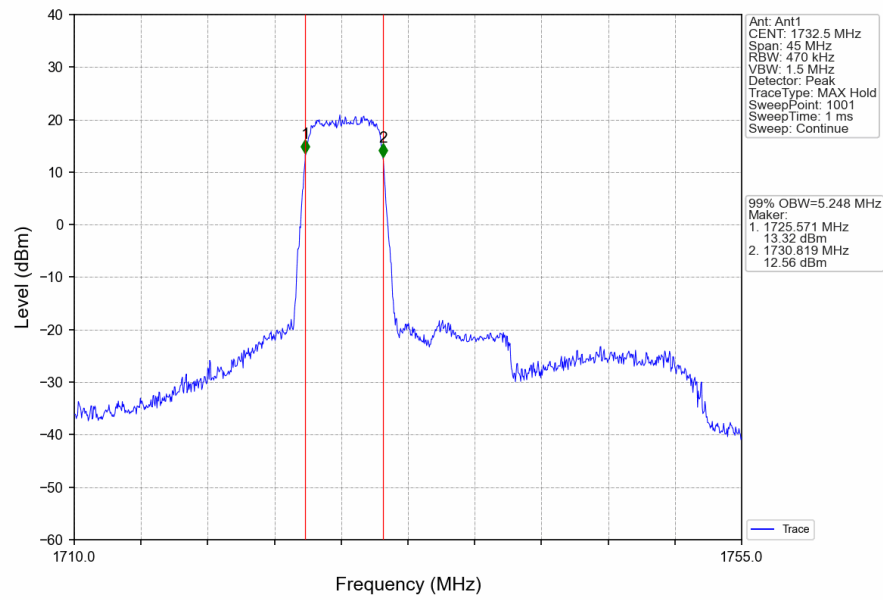
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



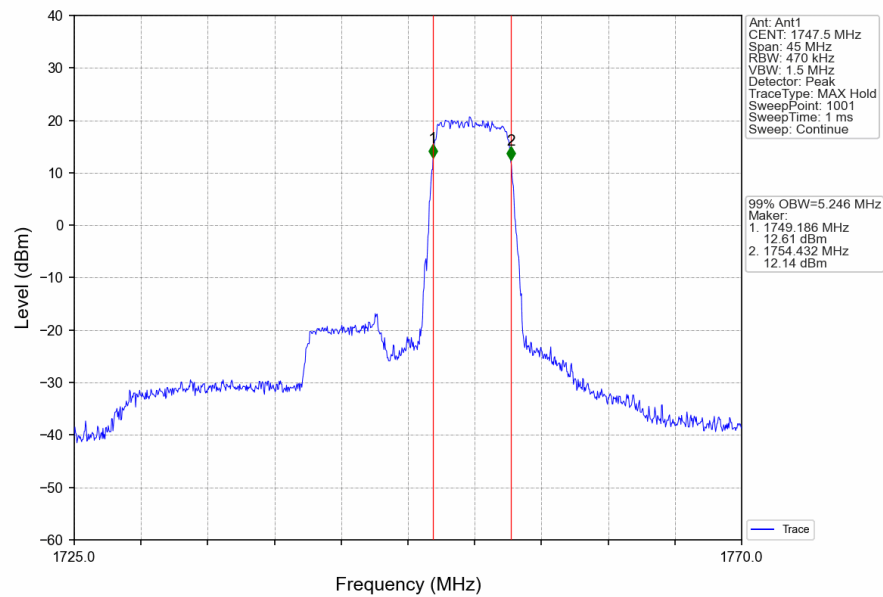
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



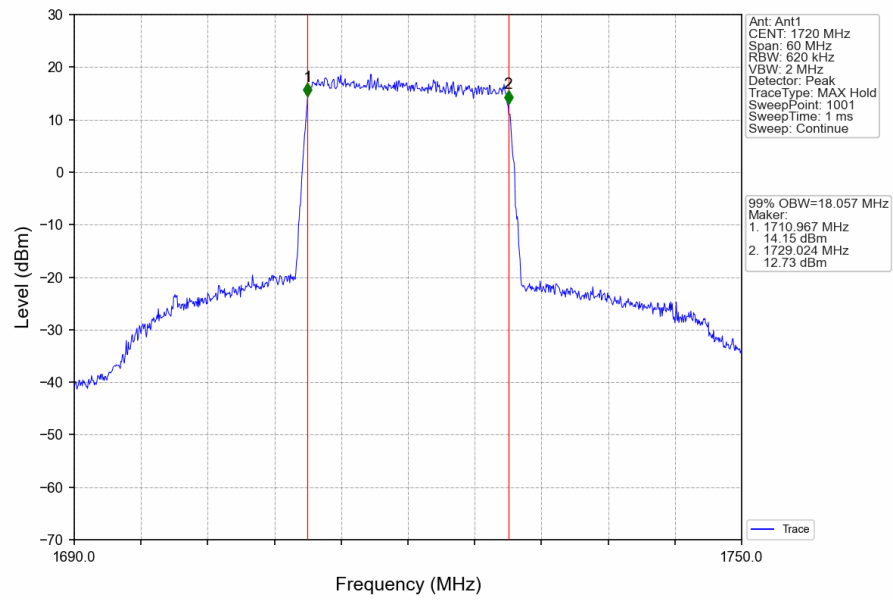
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



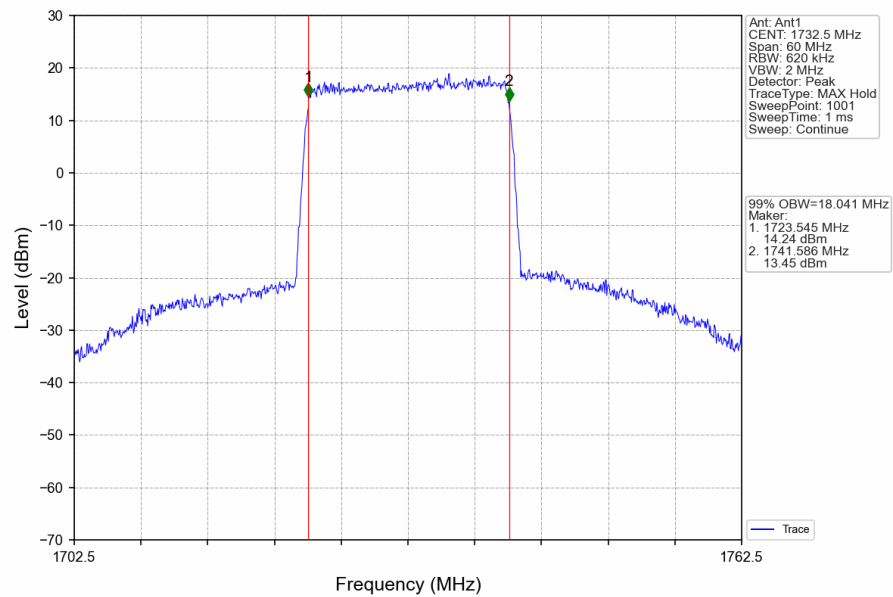
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



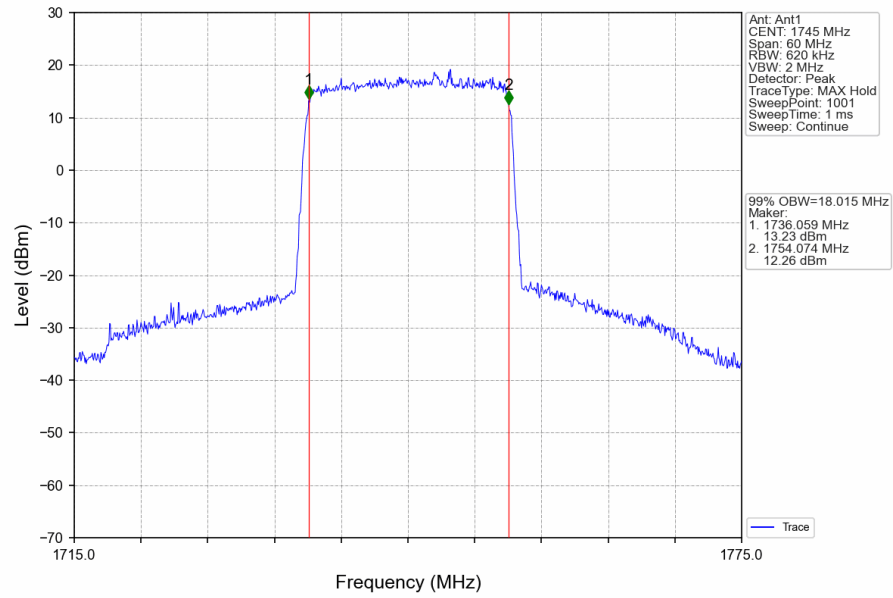
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



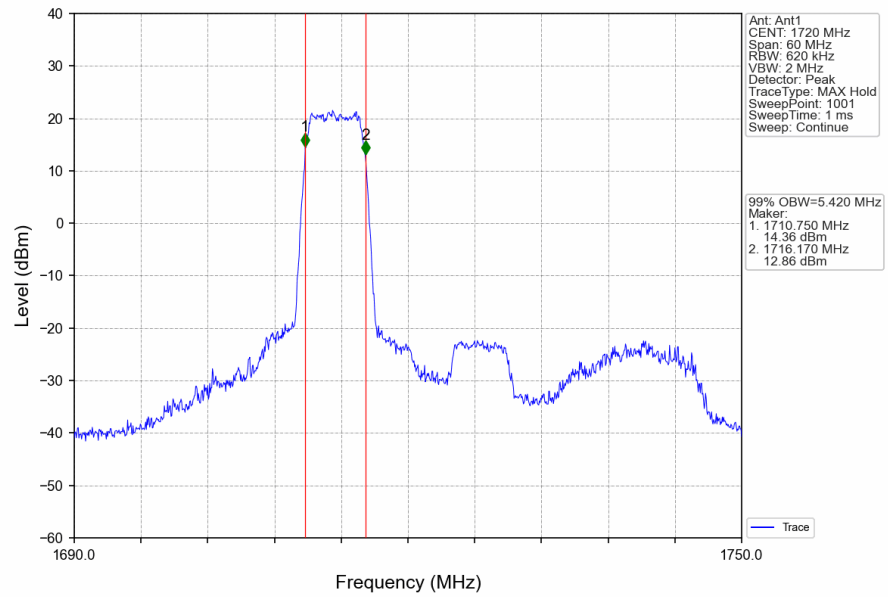
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



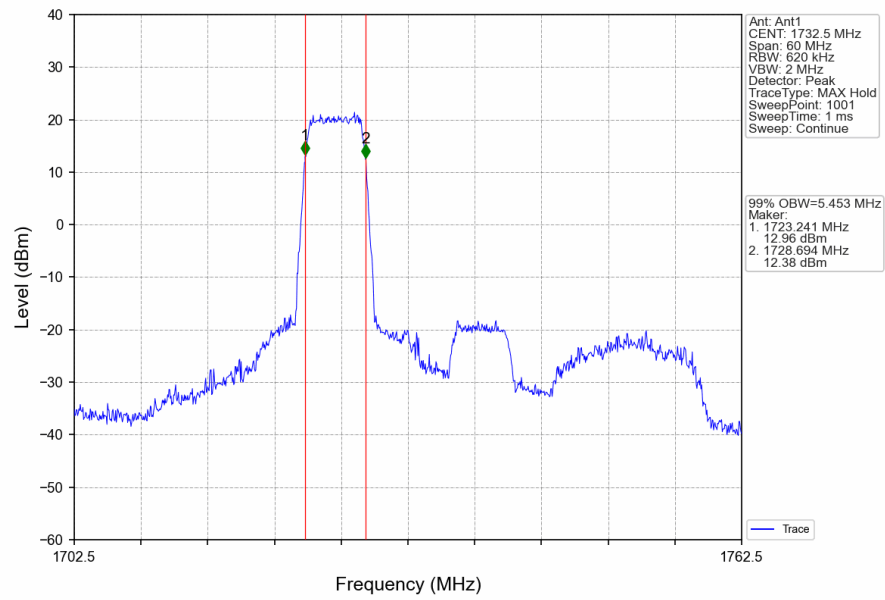
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



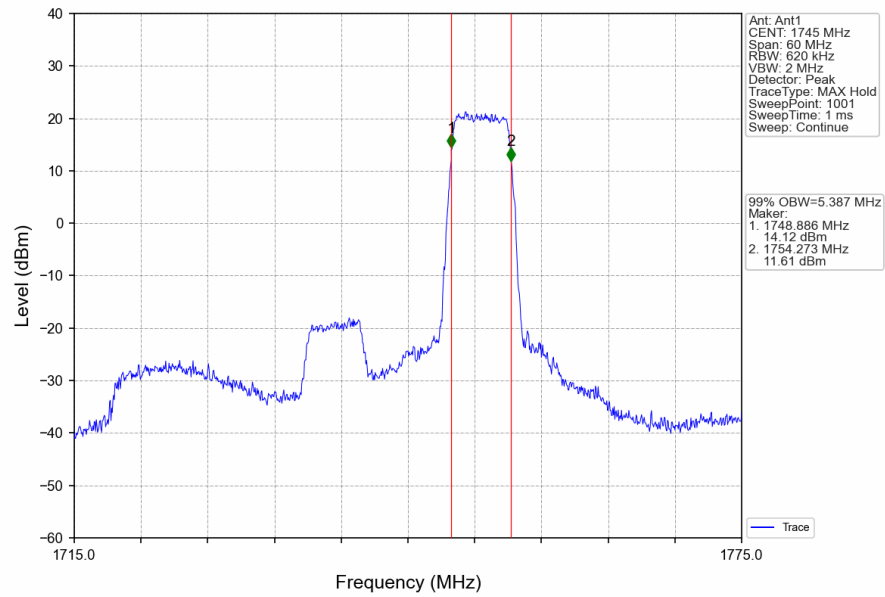
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV

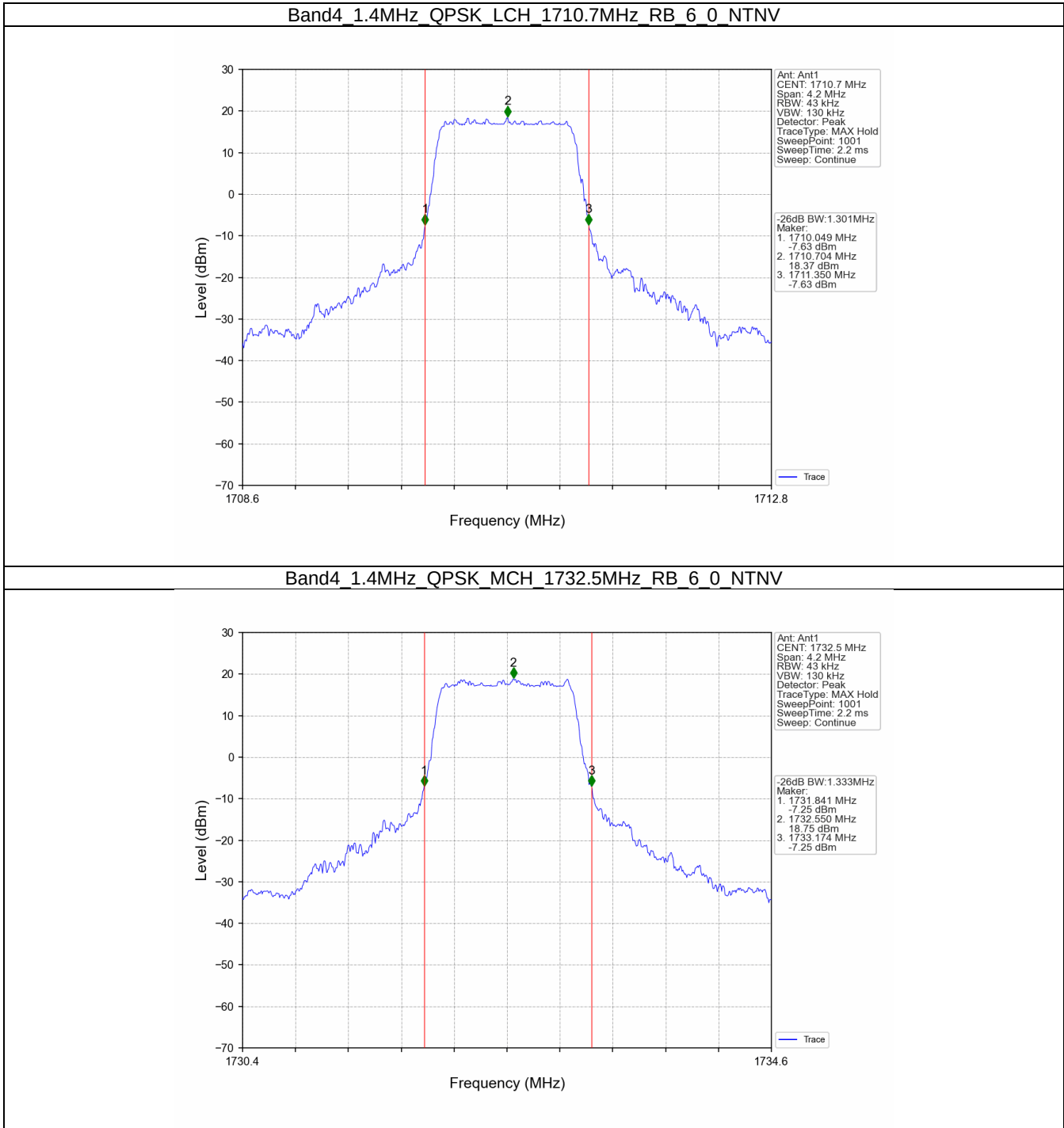


3.2 Band4_XDB

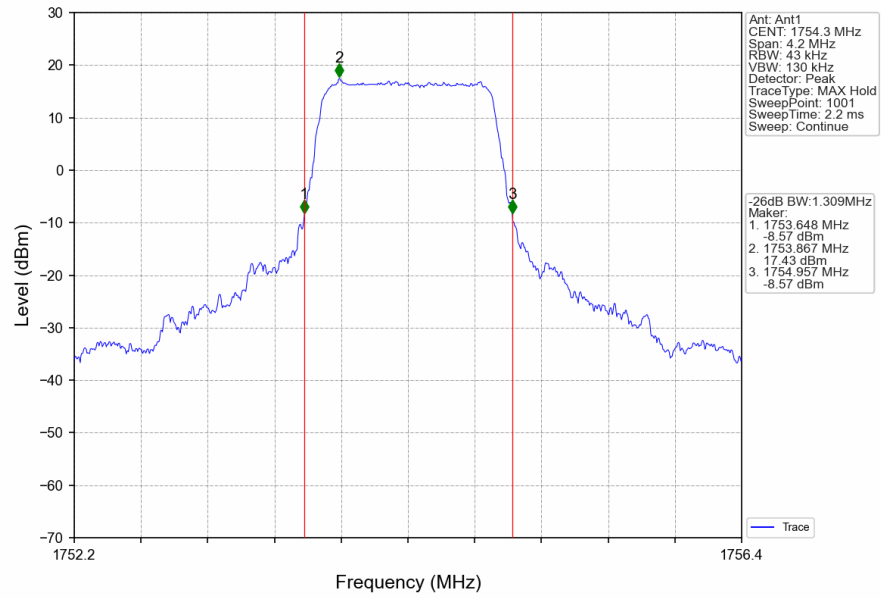
3.2.1 Test Result

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	1.301	/	Pass
		1732.5	6	0	1.333	/	Pass
		1754.3	6	0	1.309	/	Pass
	16QAM	1710.7	6	0	1.296	/	Pass
		1732.5	6	0	1.343	/	Pass
		1754.3	6	0	1.313	/	Pass
3	QPSK	1711.5	15	0	3.016	/	Pass
		1732.5	15	0	3.024	/	Pass
		1753.5	15	0	3.015	/	Pass
	16QAM	1711.5	15	0	3.026	/	Pass
		1732.5	15	0	3.016	/	Pass
		1753.5	15	0	3.018	/	Pass
5	QPSK	1712.5	25	0	5.045	/	Pass
		1732.5	25	0	5.028	/	Pass
		1752.5	25	0	5.007	/	Pass
	16QAM	1712.5	25	0	5.008	/	Pass
		1732.5	25	0	5.041	/	Pass
		1752.5	25	0	5.053	/	Pass
10	QPSK	1715	50	0	9.911	/	Pass
		1732.5	50	0	9.916	/	Pass
		1750	50	0	9.877	/	Pass
	16QAM	1715	27	0	5.881	/	Pass
		1732.5	27	0	5.848	/	Pass
		1750	27	23	5.765	/	Pass
15	QPSK	1717.5	75	0	14.694	/	Pass
		1732.5	75	0	14.799	/	Pass
		1747.5	75	0	14.727	/	Pass
	16QAM	1717.5	27	0	6.161	/	Pass
		1732.5	27	0	6.234	/	Pass
		1747.5	27	48	6.109	/	Pass
20	QPSK	1720	100	0	19.481	/	Pass
		1732.5	100	0	19.486	/	Pass
		1745	100	0	19.346	/	Pass
	16QAM	1720	27	0	6.448	/	Pass
		1732.5	27	0	6.424	/	Pass
		1745	27	73	6.391	/	Pass

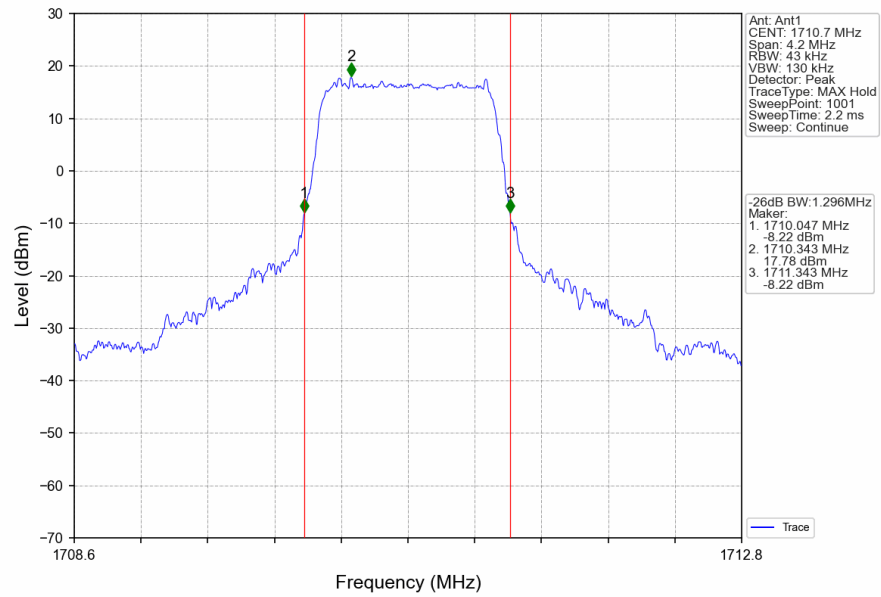
3.2.2 Test Graph



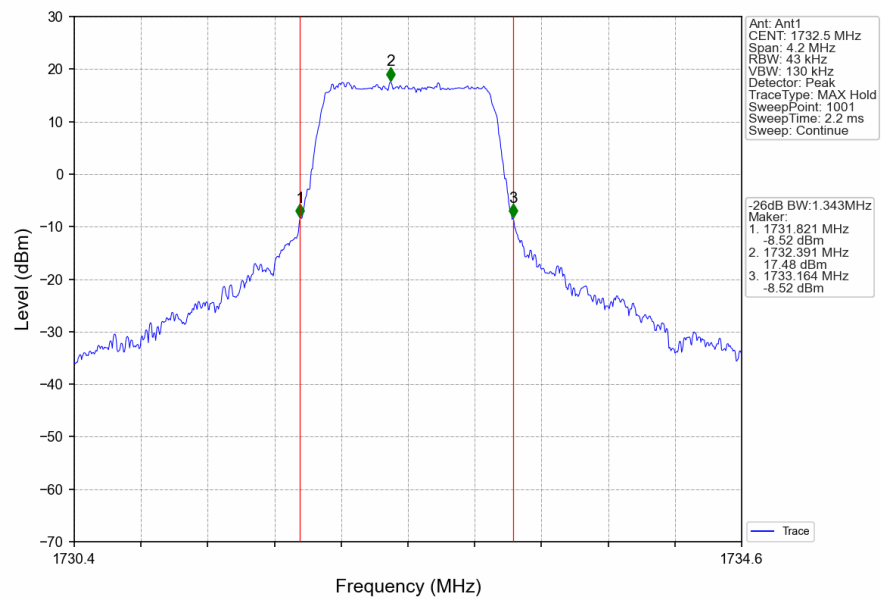
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



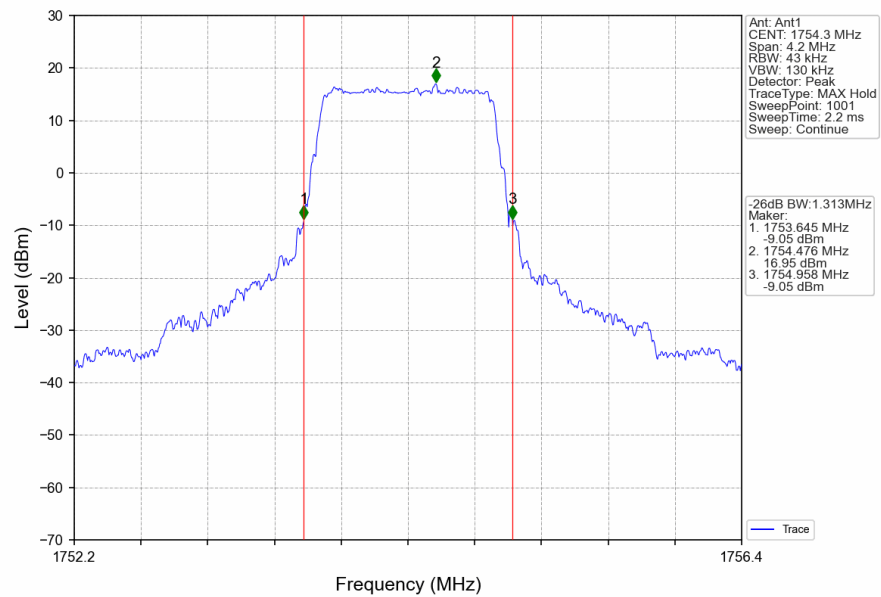
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



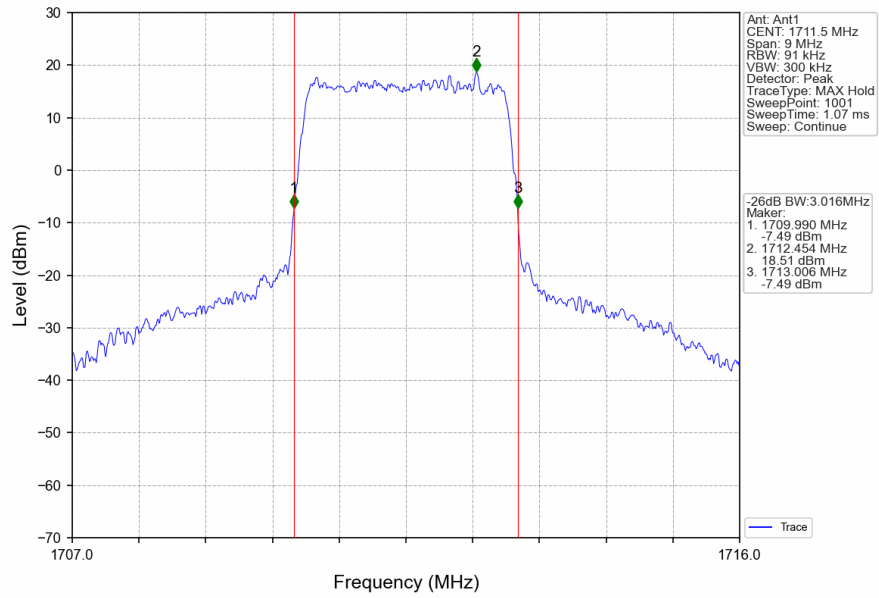
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN



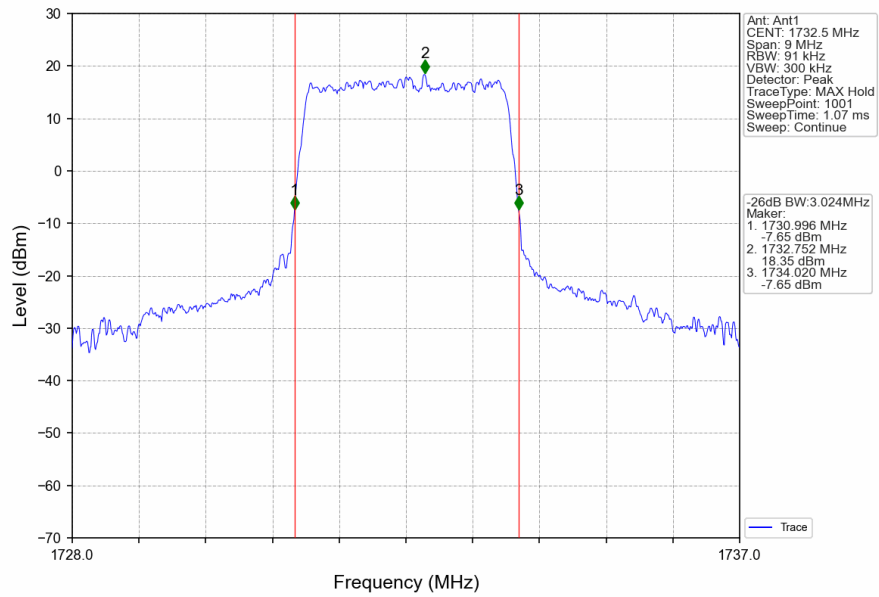
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



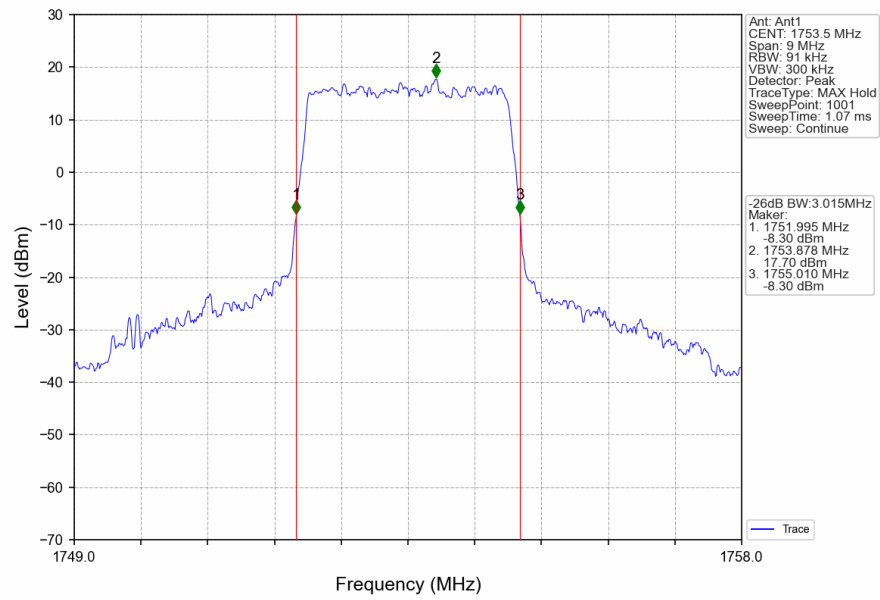
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



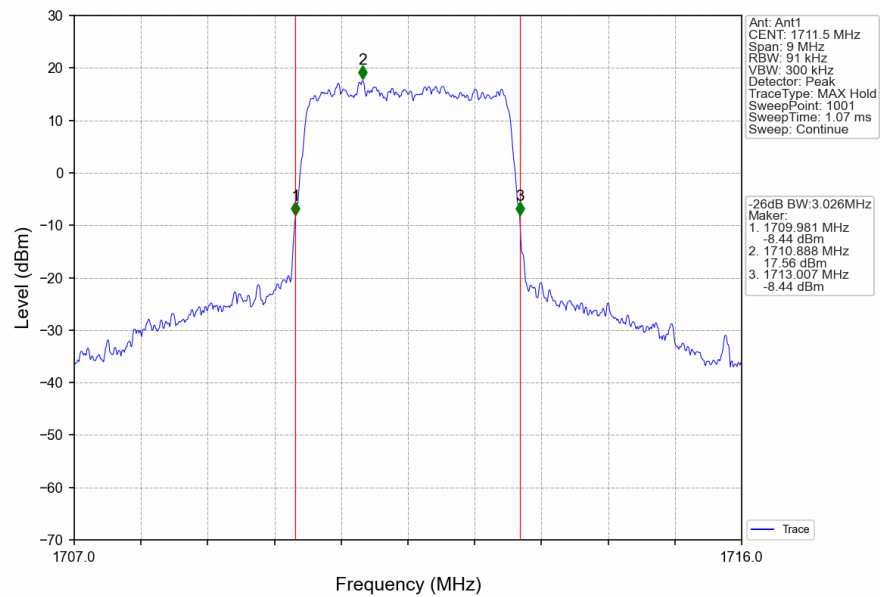
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



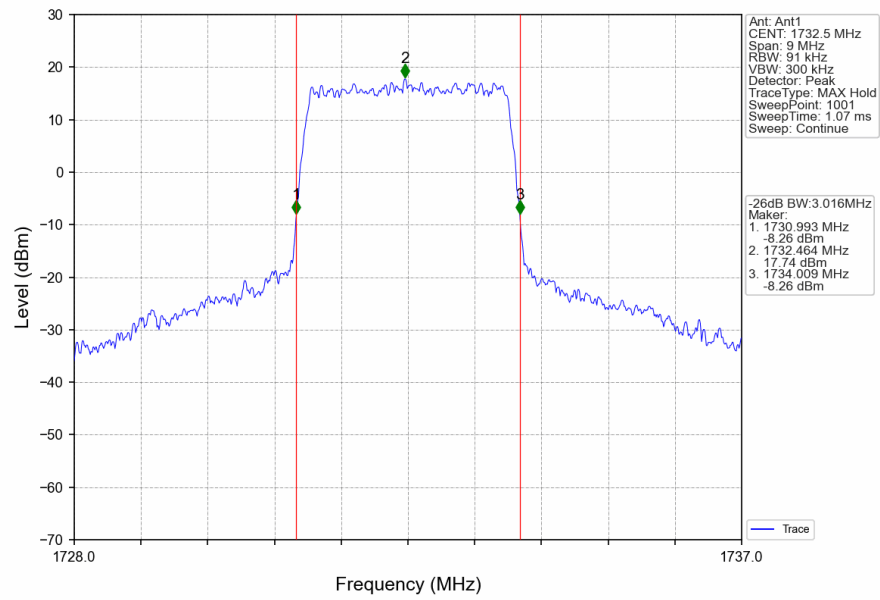
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



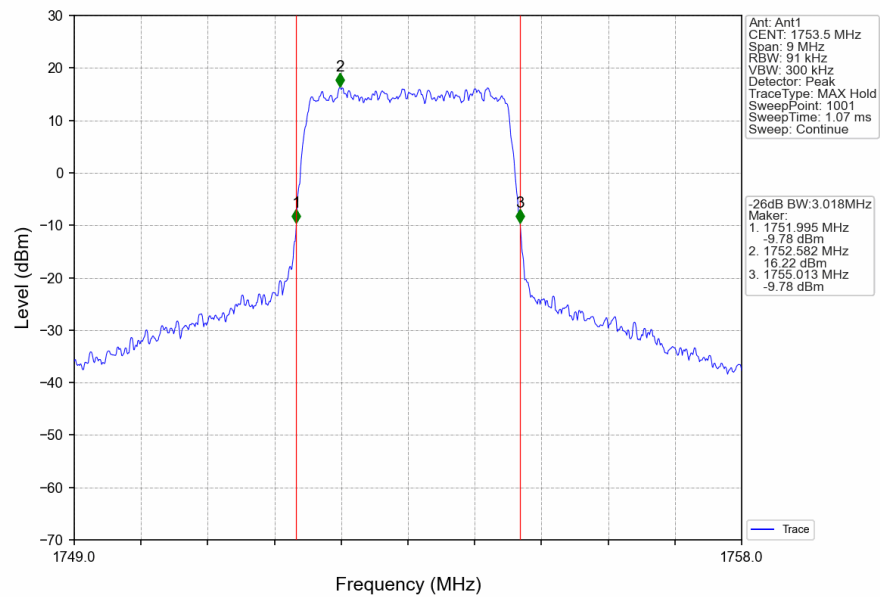
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



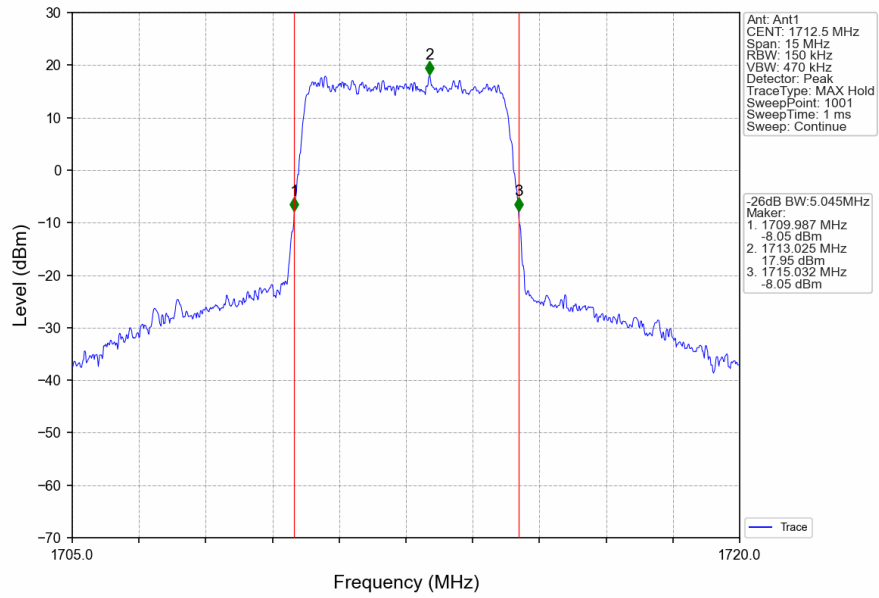
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



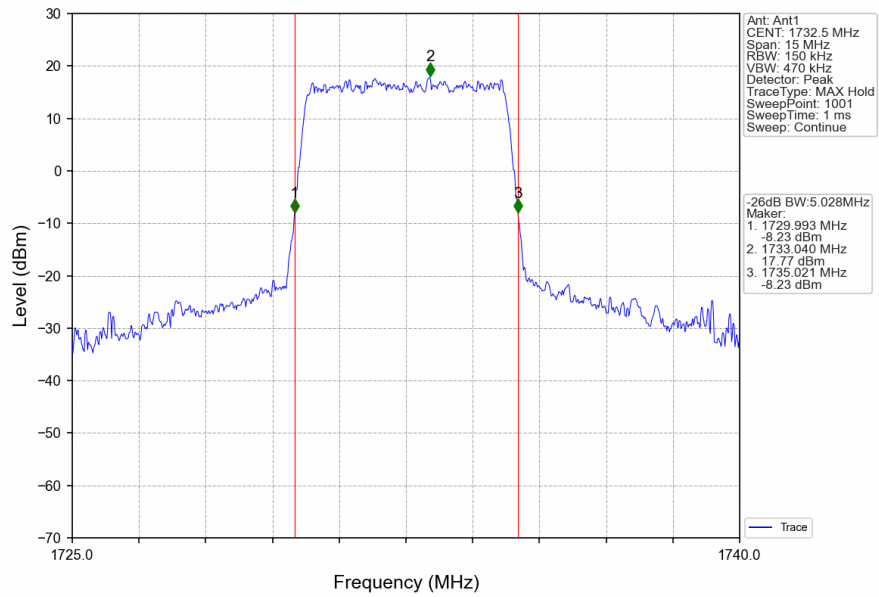
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



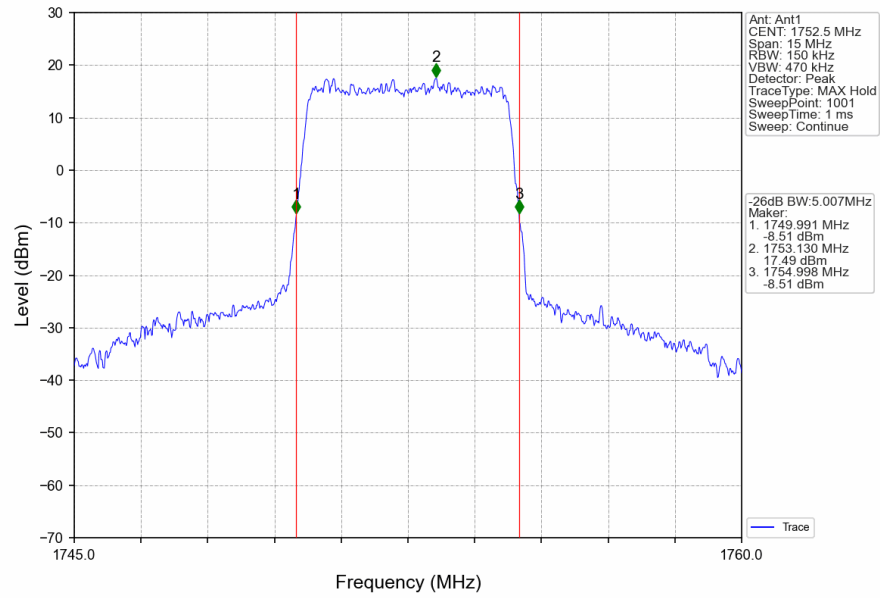
Band4 5MHz QPSK LCH 1712.5MHz RB 25_0 NTN



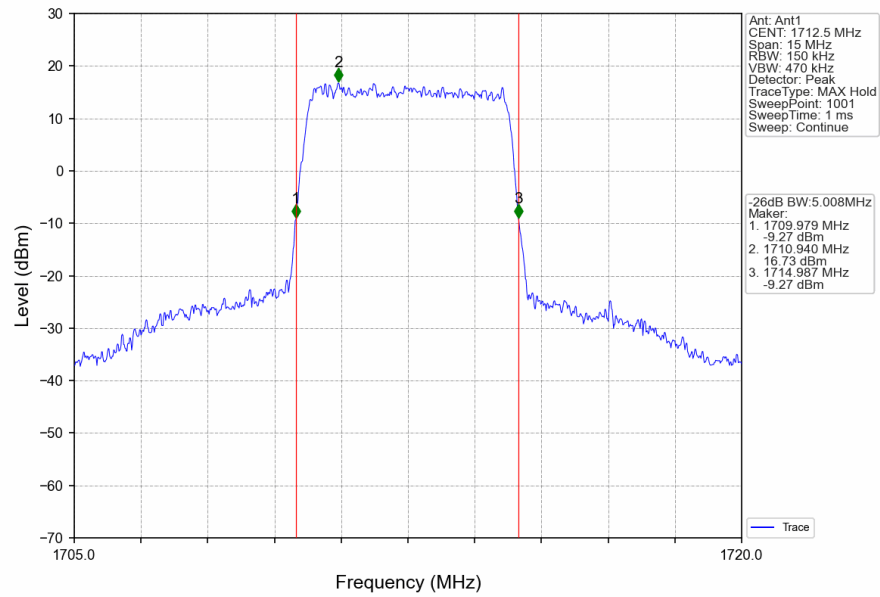
Band4 5MHz QPSK MCH 1732.5MHz RB 25_0 NTN



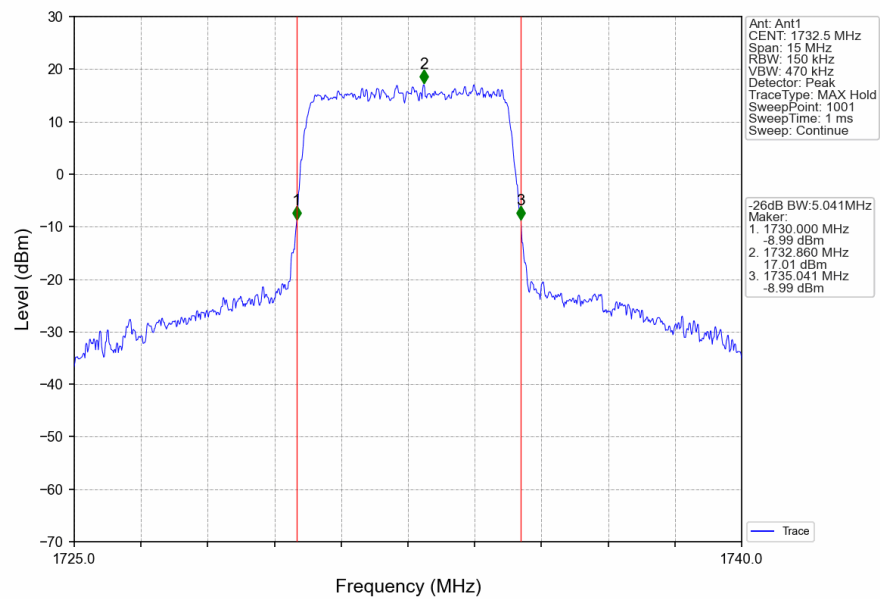
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



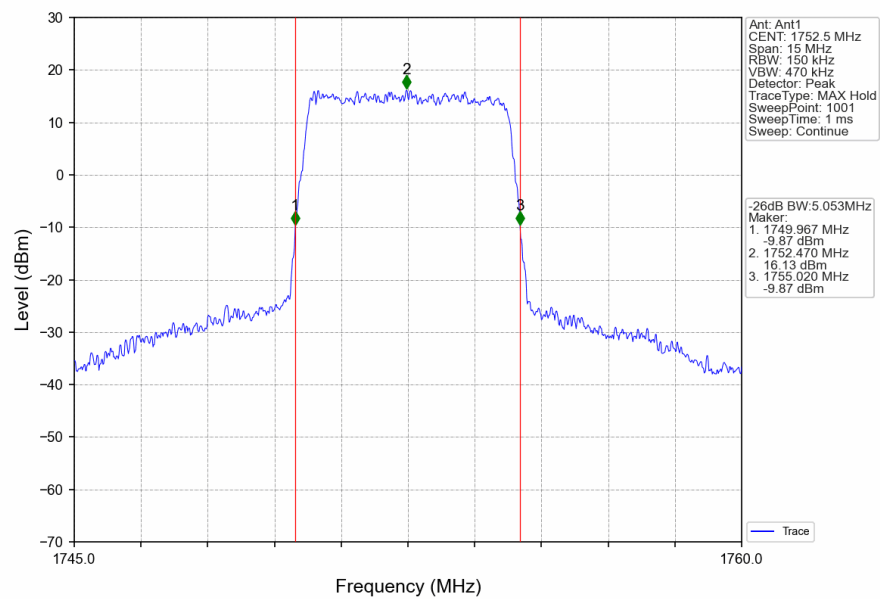
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



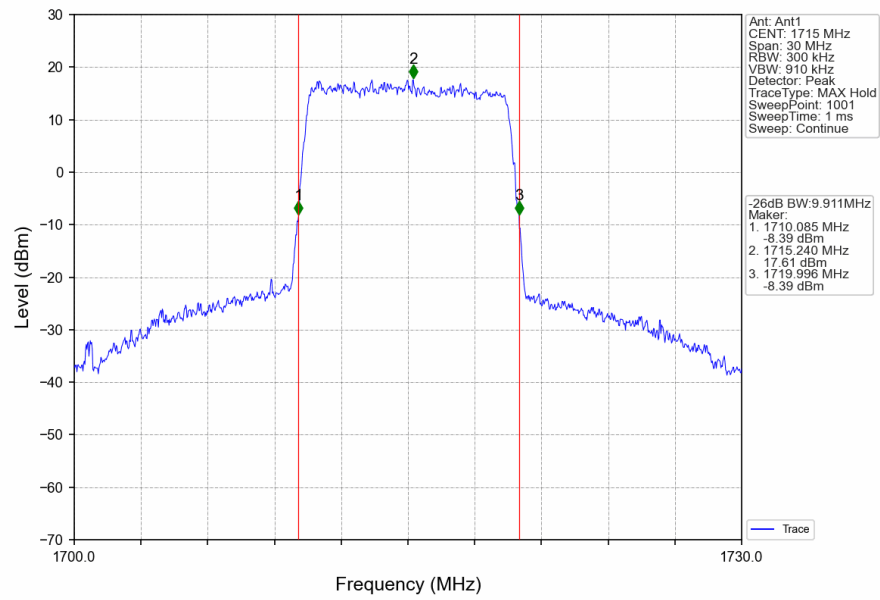
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



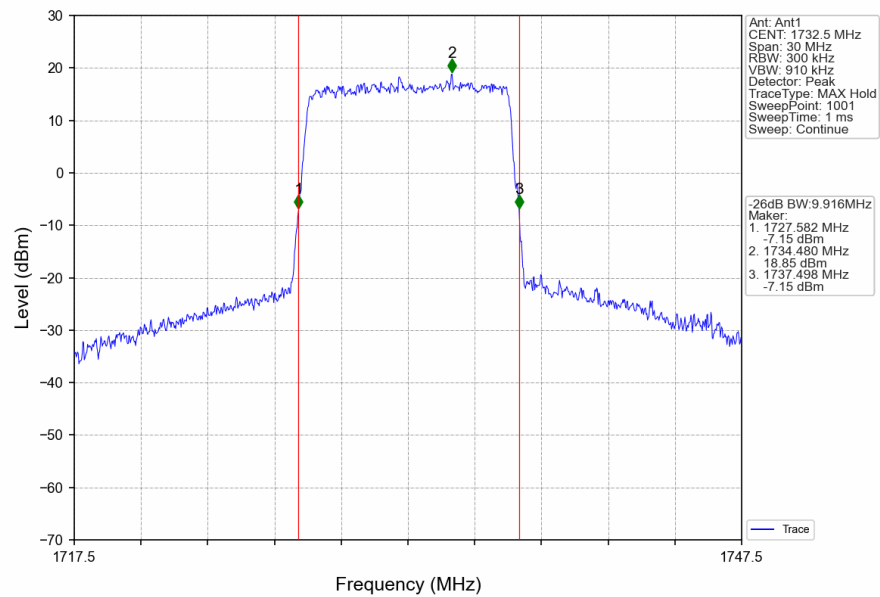
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



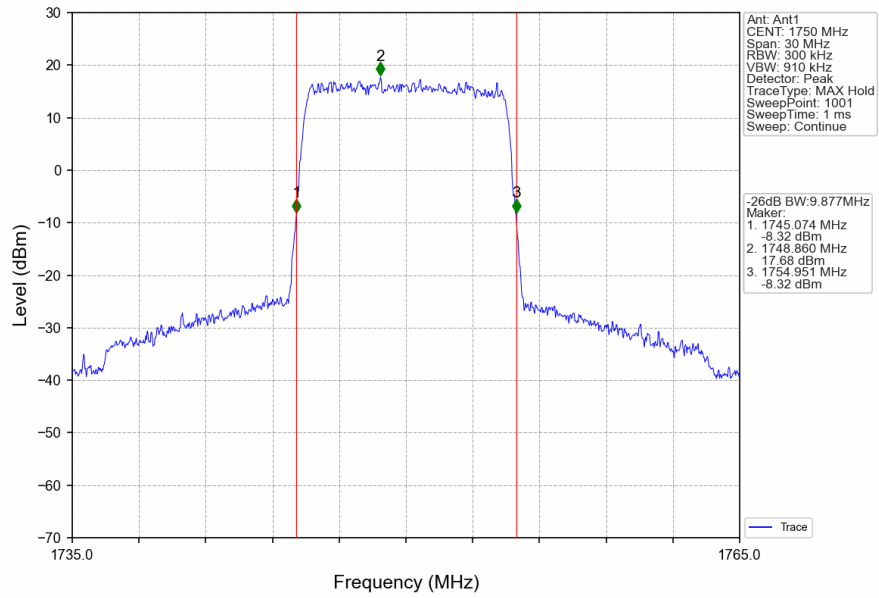
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV



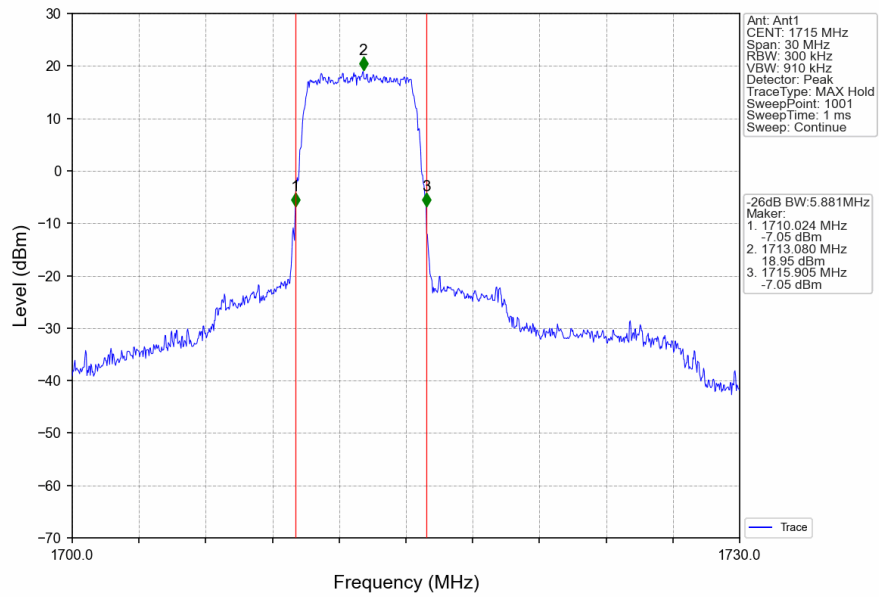
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



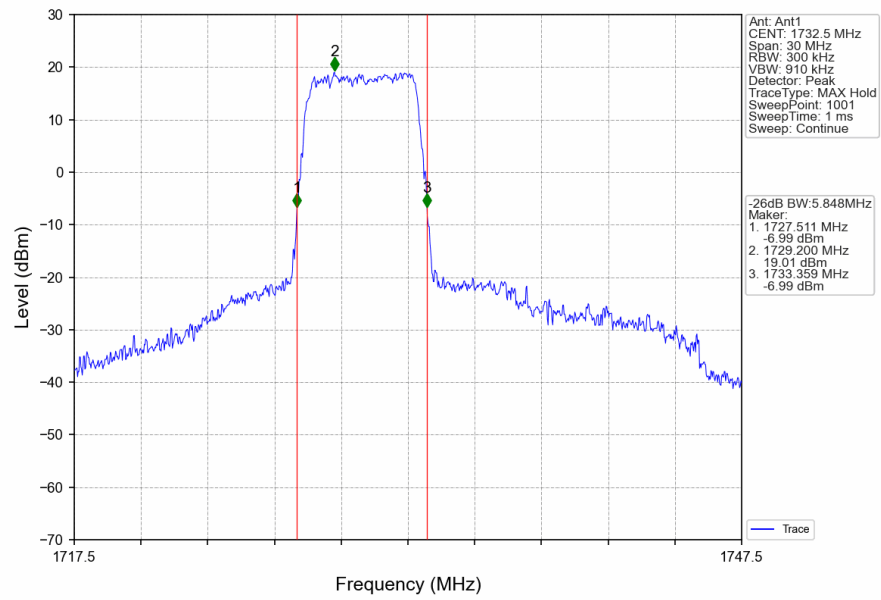
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



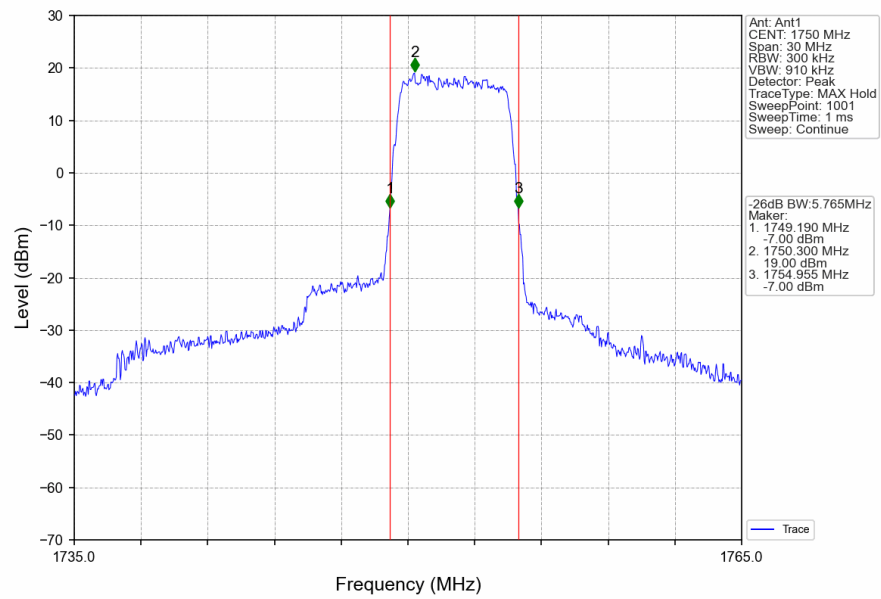
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



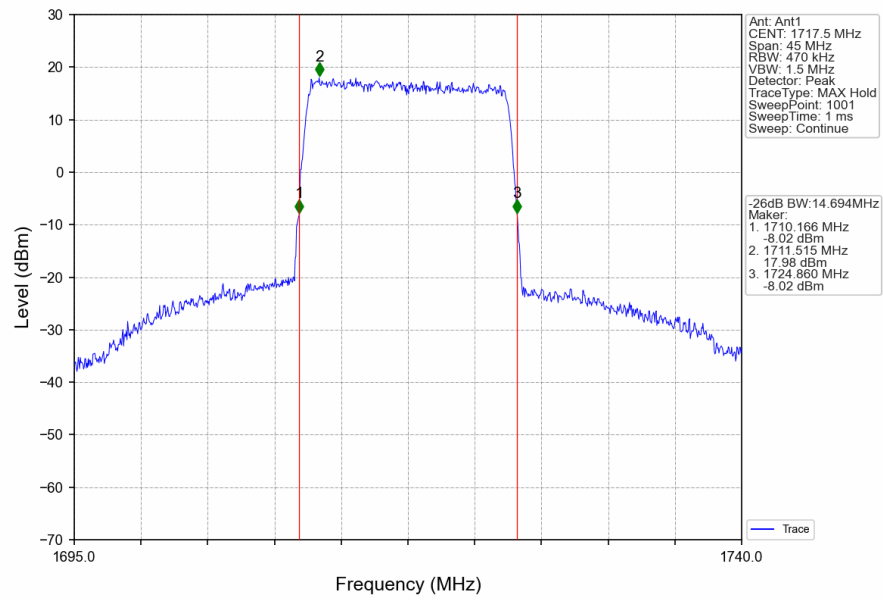
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



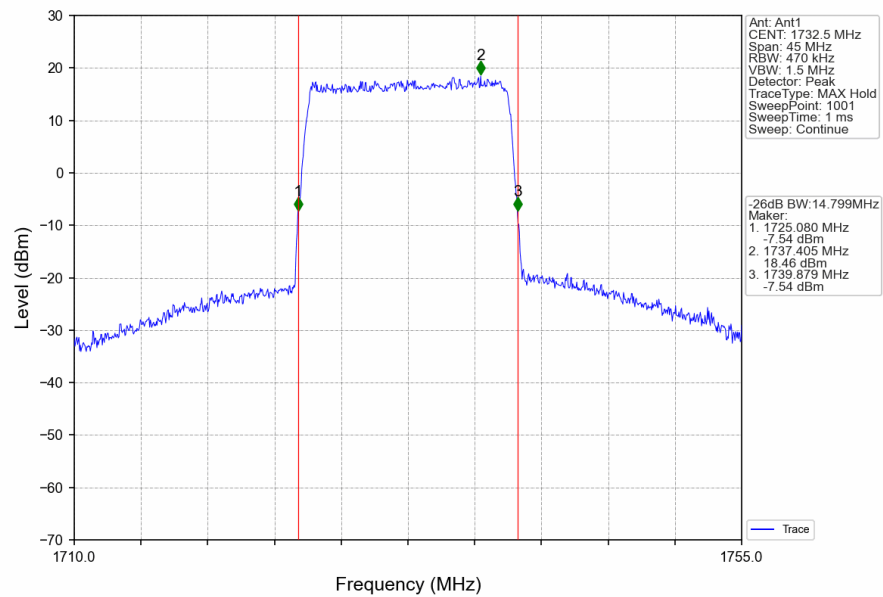
Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



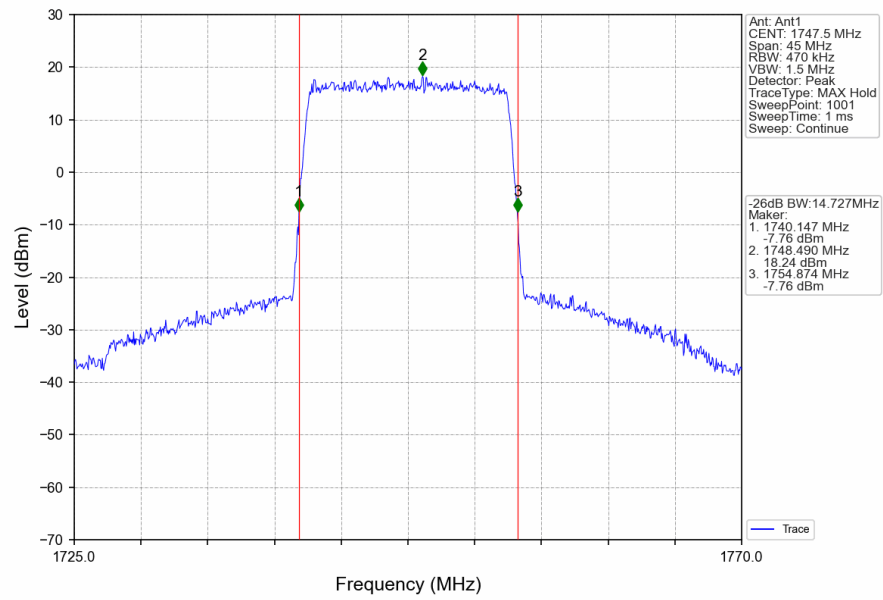
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



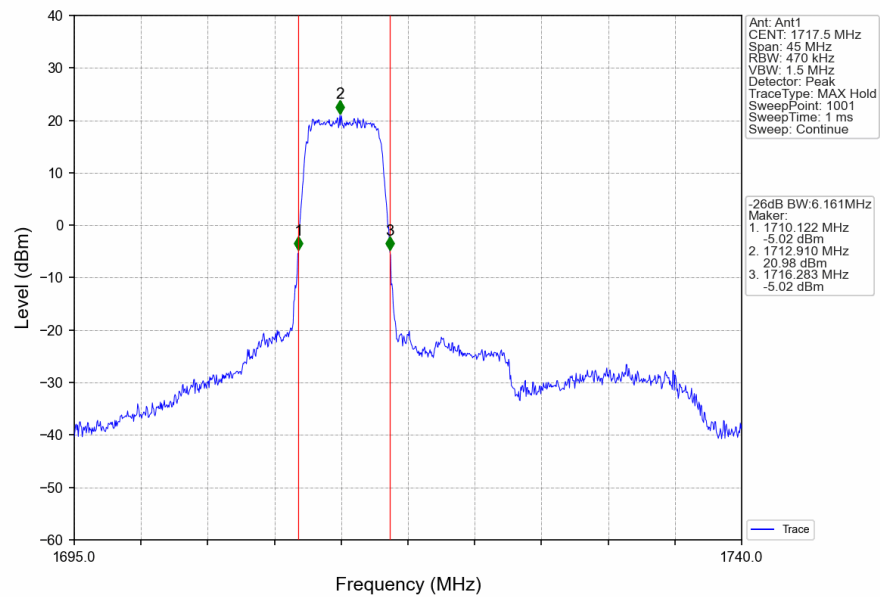
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



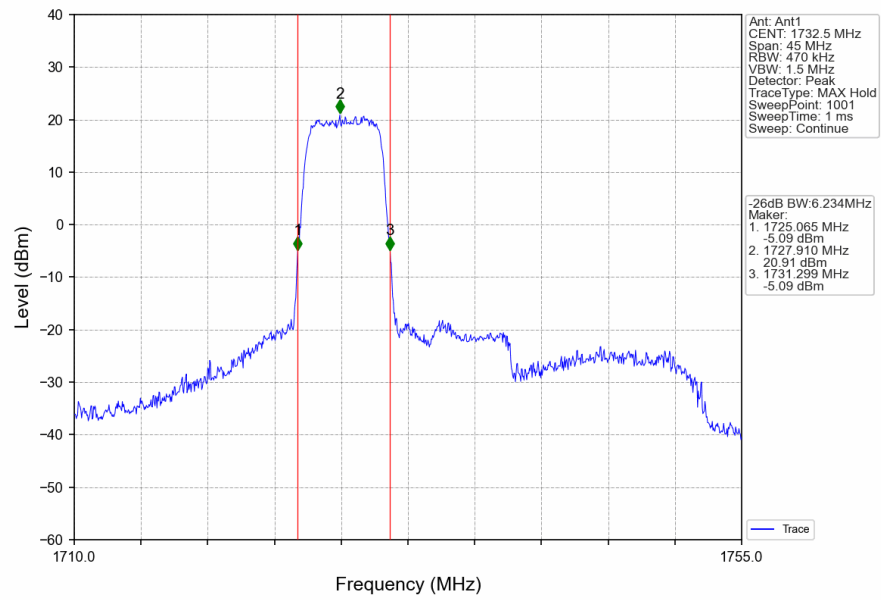
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



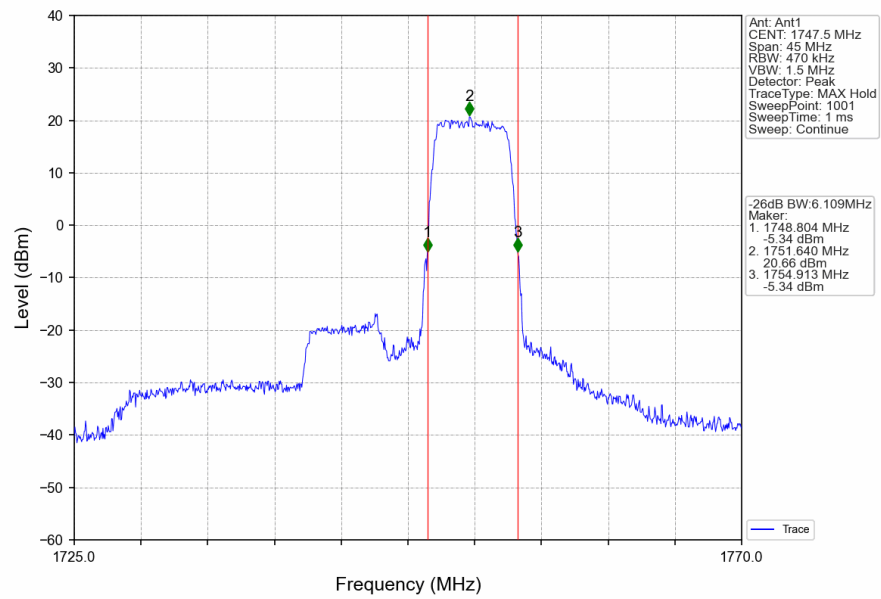
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



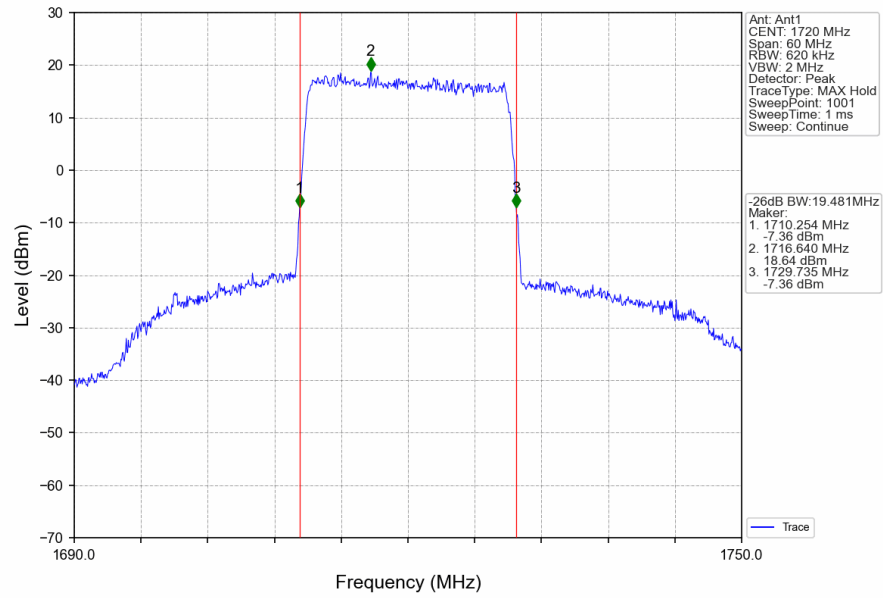
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



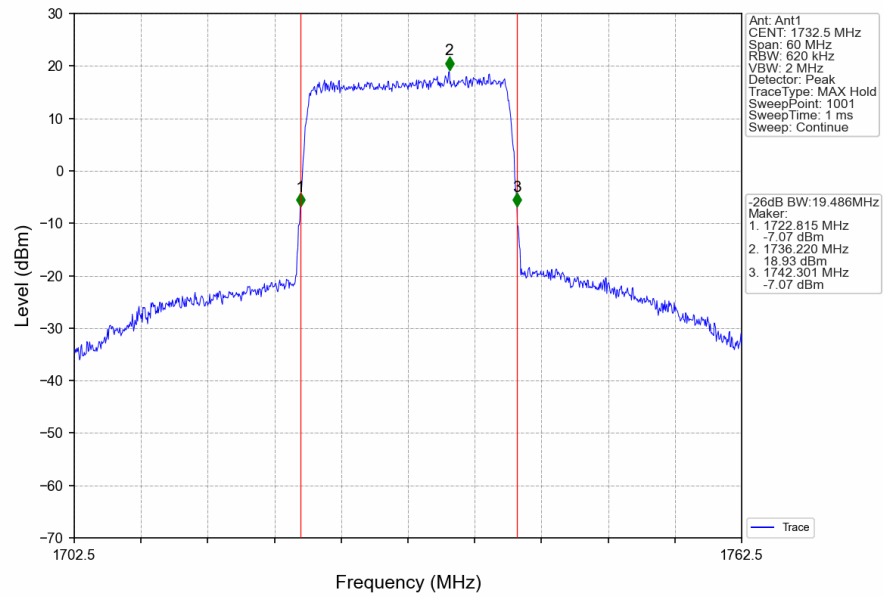
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



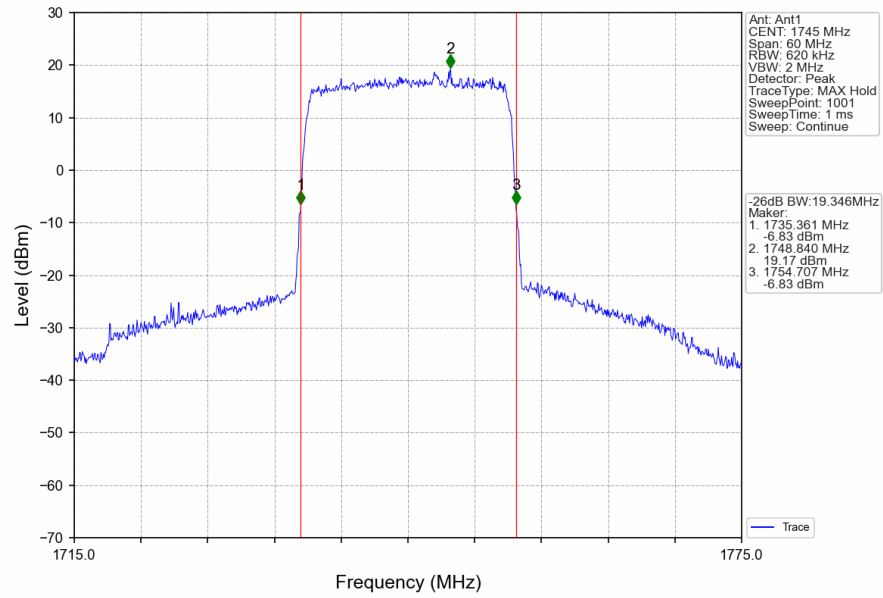
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



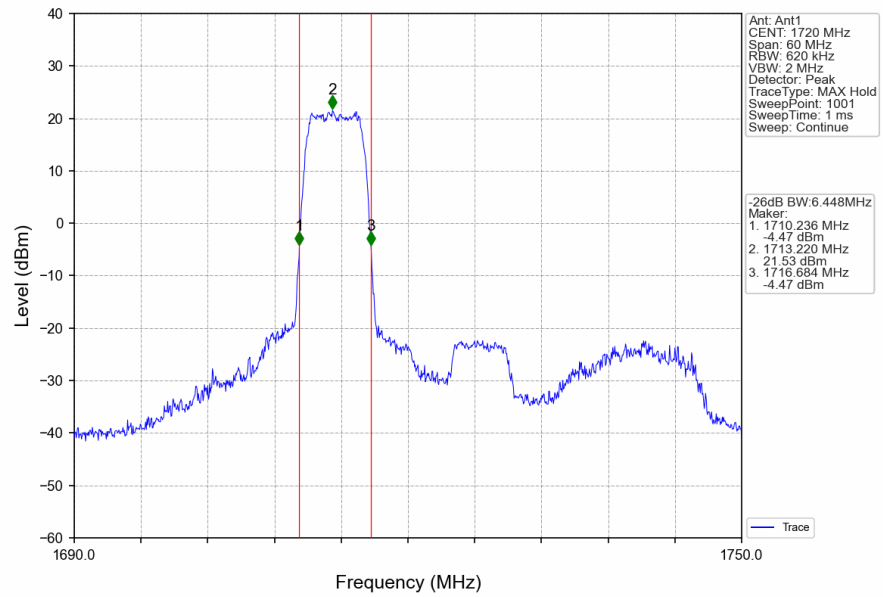
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



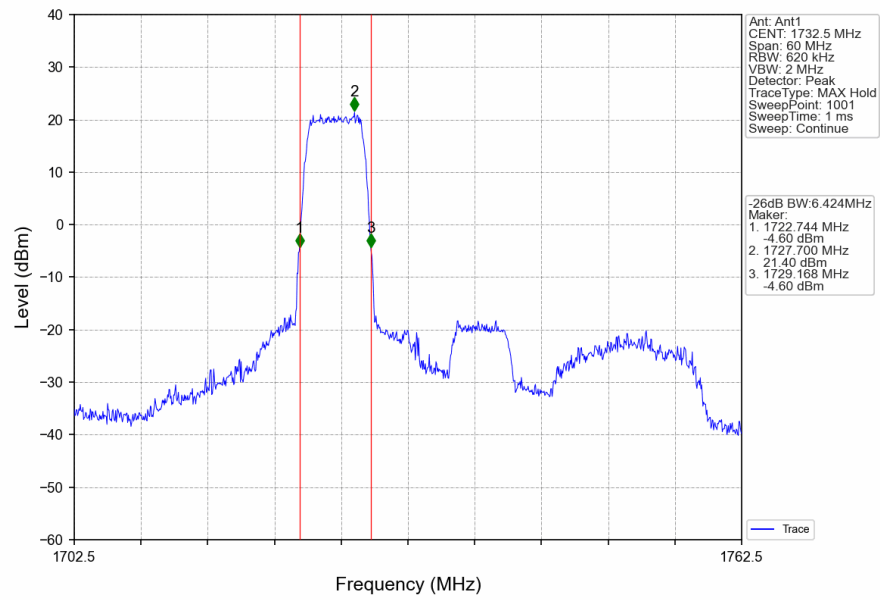
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



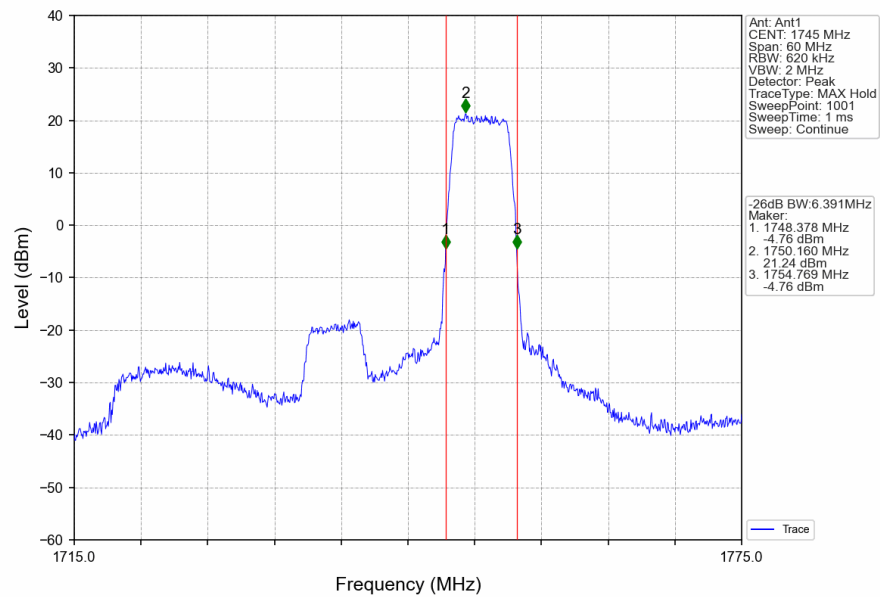
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV



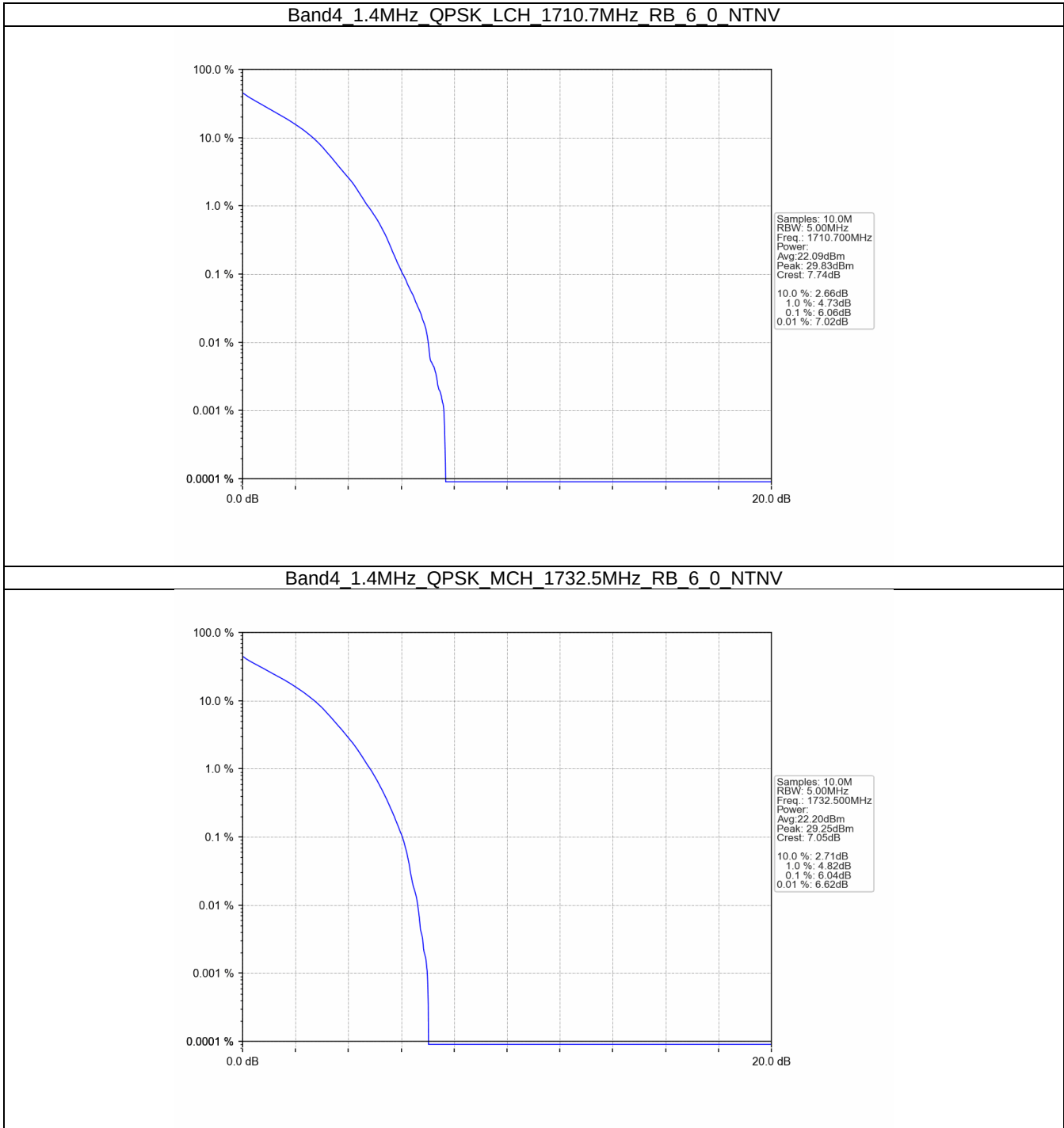
4. Peak-Average Ratio

4.1 B4_1.4MHz

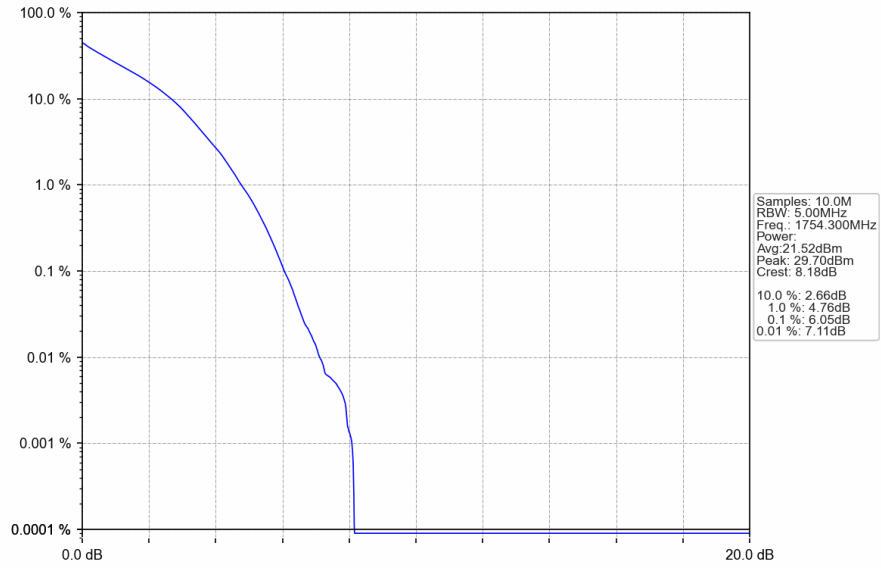
4.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	6.06	<=13	Pass
	1732.5	6	0	6.04	<=13	Pass
	1754.3	6	0	6.05	<=13	Pass
16QAM	1710.7	6	0	6.86	<=13	Pass
	1732.5	6	0	6.75	<=13	Pass
	1754.3	6	0	6.75	<=13	Pass

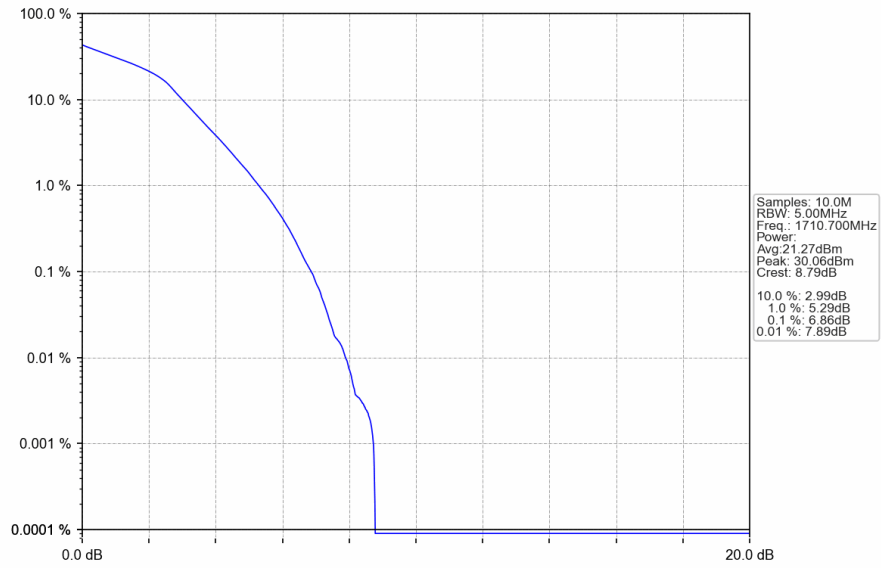
4.1.2 Test Graph



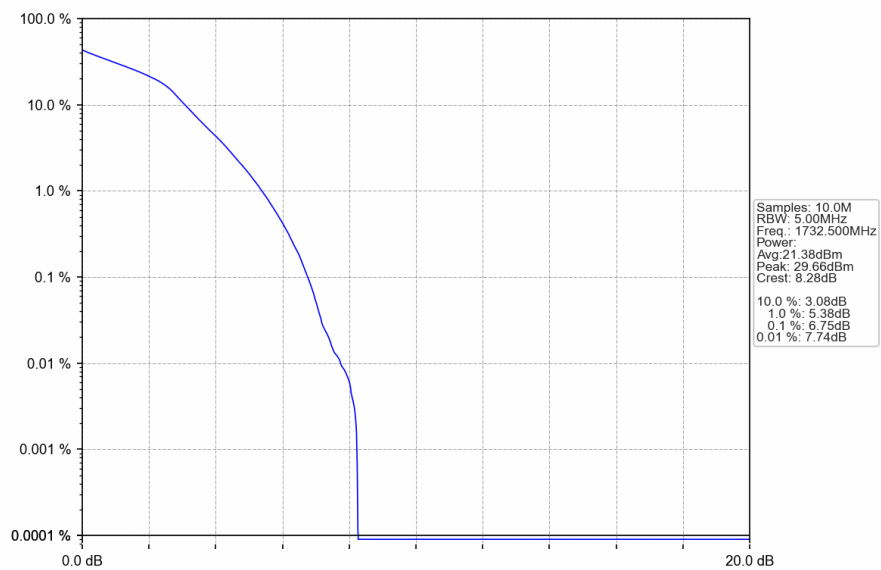
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



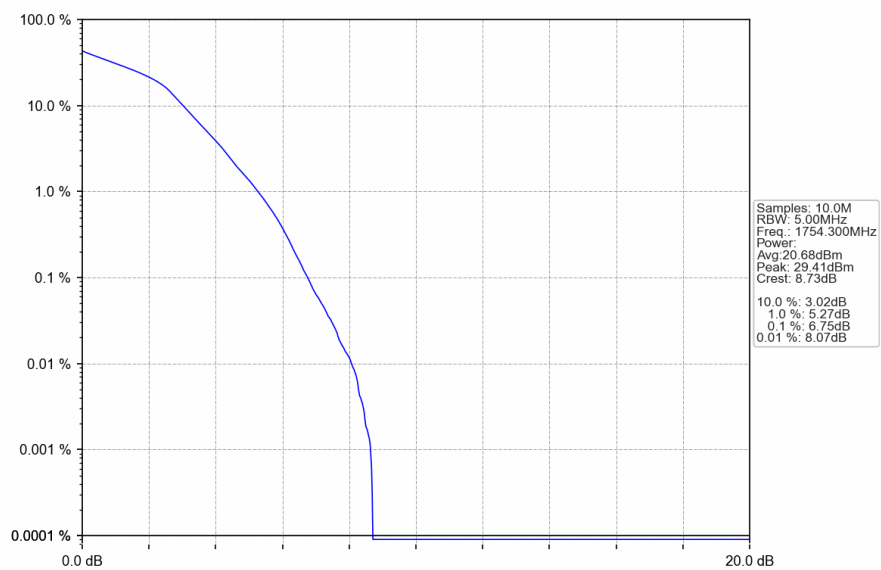
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV

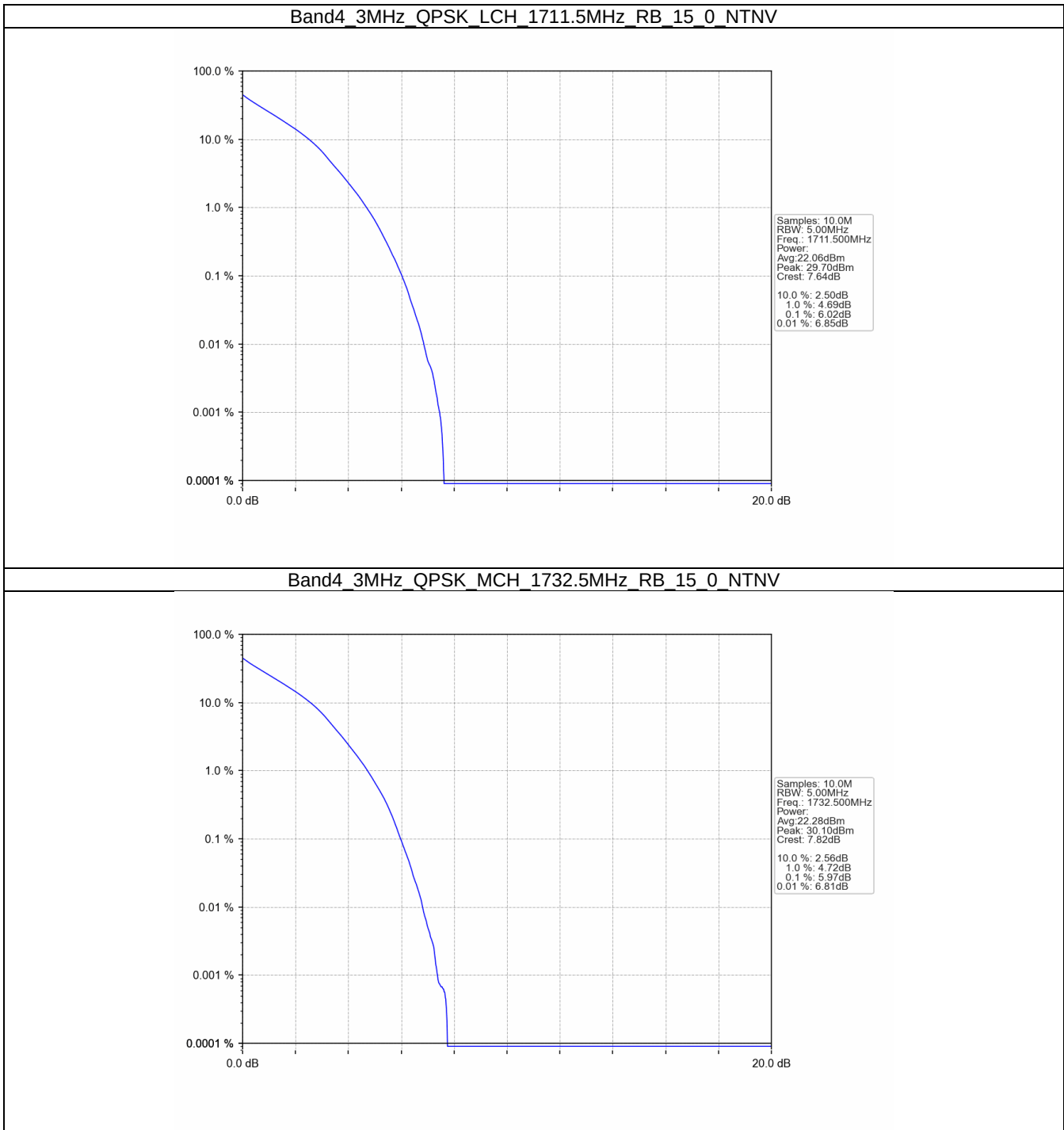


4.2 B4_3MHz

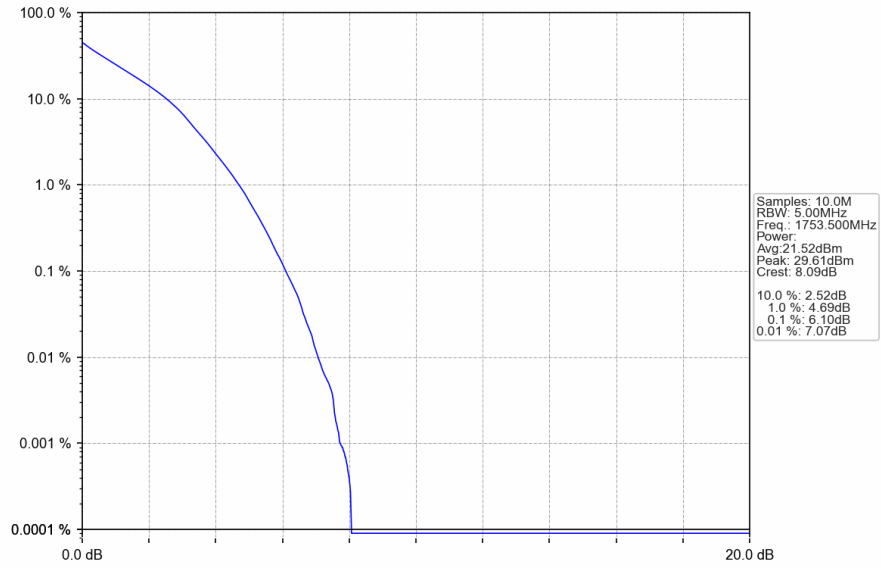
4.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	6.02	<=13	Pass
	1732.5	15	0	5.97	<=13	Pass
	1753.5	15	0	6.10	<=13	Pass
16QAM	1711.5	15	0	6.84	<=13	Pass
	1732.5	15	0	6.75	<=13	Pass
	1753.5	15	0	6.84	<=13	Pass

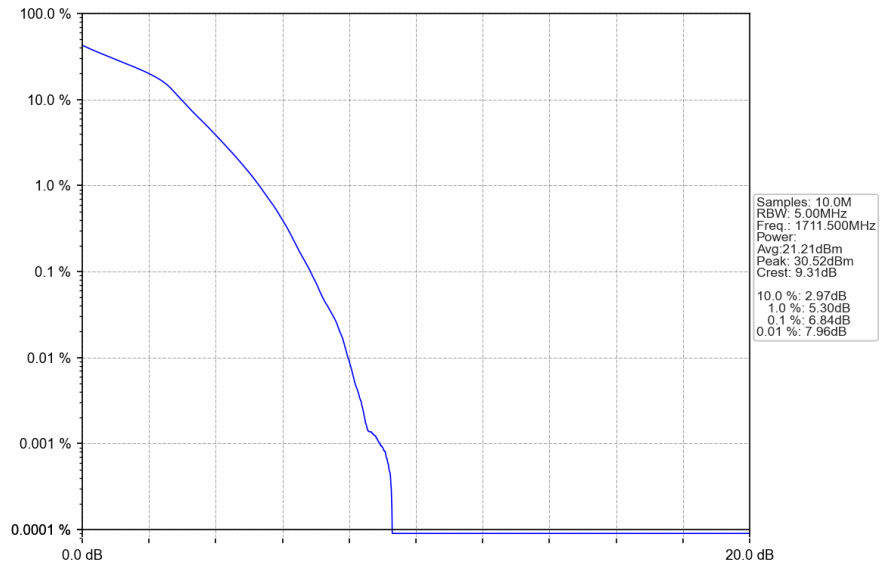
4.2.2 Test Graph



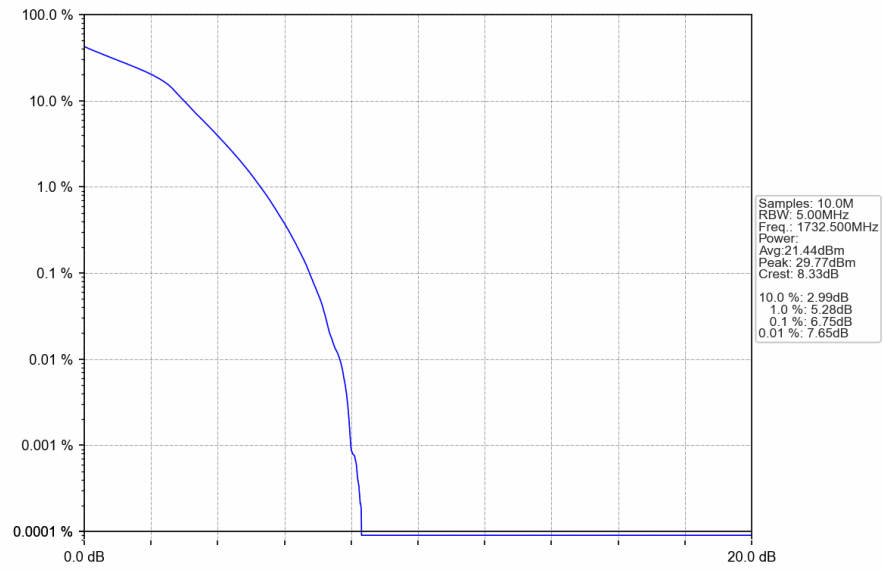
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



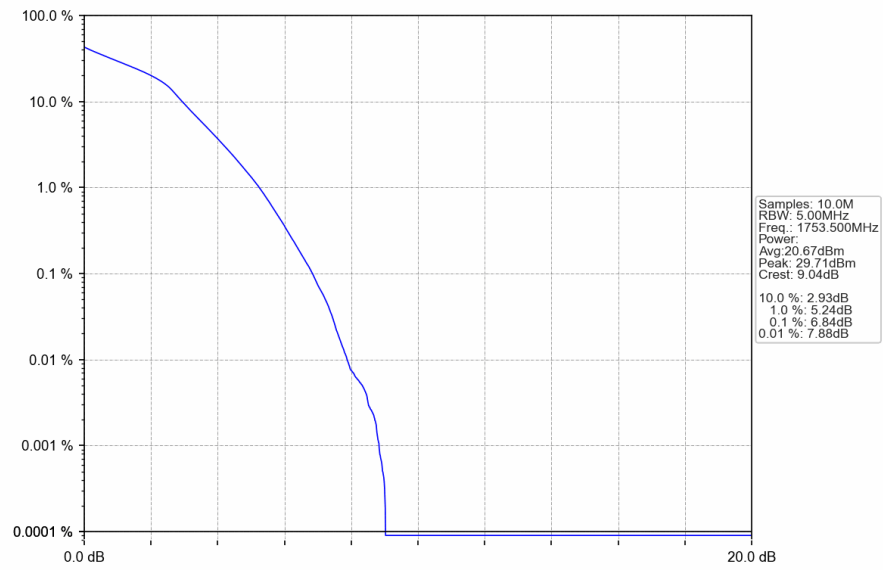
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



4.3 B4_5MHz

4.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	6.00	<=13	Pass
	1732.5	25	0	5.92	<=13	Pass
	1752.5	25	0	5.94	<=13	Pass
16QAM	1712.5	25	0	6.63	<=13	Pass
	1732.5	25	0	6.62	<=13	Pass
	1752.5	25	0	6.65	<=13	Pass