

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

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	23.15	-0.86	22.29	<=30	Pass
			2	23.26	-0.86	22.40	<=30	Pass
			5	23.01	-0.86	22.15	<=30	Pass
		3	0	23.17	-0.86	22.31	<=30	Pass
			2	23.18	-0.86	22.32	<=30	Pass
			3	23.17	-0.86	22.31	<=30	Pass
		6	0	22.36	-0.86	21.50	<=30	Pass
	1732.5	1	0	23.10	-0.86	22.24	<=30	Pass
			2	23.09	-0.86	22.23	<=30	Pass
			5	23.18	-0.86	22.32	<=30	Pass
		3	0	23.09	-0.86	22.23	<=30	Pass
			2	23.20	-0.86	22.34	<=30	Pass
			3	23.22	-0.86	22.36	<=30	Pass
		6	0	22.30	-0.86	21.44	<=30	Pass
	1754.3	1	0	23.05	-0.86	22.19	<=30	Pass
			2	23.12	-0.86	22.26	<=30	Pass
			5	23.11	-0.86	22.25	<=30	Pass
		3	0	23.11	-0.86	22.25	<=30	Pass
			2	23.14	-0.86	22.28	<=30	Pass
			3	23.20	-0.86	22.34	<=30	Pass
		6	0	22.16	-0.86	21.30	<=30	Pass
16QAM	1710.7	1	0	22.65	-0.86	21.79	<=30	Pass
			2	22.69	-0.86	21.83	<=30	Pass
			5	22.83	-0.86	21.97	<=30	Pass
		3	0	22.59	-0.86	21.73	<=30	Pass
			2	22.37	-0.86	21.51	<=30	Pass
			3	21.95	-0.86	21.09	<=30	Pass
		6	0	21.40	-0.86	20.54	<=30	Pass
	1732.5	1	0	22.13	-0.86	21.27	<=30	Pass
			2	21.84	-0.86	20.98	<=30	Pass
			5	22.17	-0.86	21.31	<=30	Pass
		3	0	22.24	-0.86	21.38	<=30	Pass
			2	22.42	-0.86	21.56	<=30	Pass
			3	22.36	-0.86	21.50	<=30	Pass
		6	0	21.23	-0.86	20.37	<=30	Pass
	1754.3	1	0	22.26	-0.86	21.40	<=30	Pass
			2	22.30	-0.86	21.44	<=30	Pass
			5	22.26	-0.86	21.40	<=30	Pass
		3	0	22.27	-0.86	21.41	<=30	Pass
			2	22.25	-0.86	21.39	<=30	Pass
			3	22.34	-0.86	21.48	<=30	Pass
		6	0	21.09	-0.86	20.23	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B4_3MHz_EIRP

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	23.12	-0.86	22.26	<=30	Pass	
			7	23.43	-0.86	22.57	<=30	Pass	
			14	23.24	-0.86	22.38	<=30	Pass	
		8	0	22.33	-0.86	21.47	<=30	Pass	
			4	22.29	-0.86	21.43	<=30	Pass	
			7	22.32	-0.86	21.46	<=30	Pass	
		15	0	22.45	-0.86	21.59	<=30	Pass	
	1732.5	1	0	23.05	-0.86	22.19	<=30	Pass	
			7	23.35	-0.86	22.49	<=30	Pass	
			14	23.33	-0.86	22.47	<=30	Pass	
		8	0	22.35	-0.86	21.49	<=30	Pass	
			4	22.22	-0.86	21.36	<=30	Pass	
			7	22.33	-0.86	21.47	<=30	Pass	
	15	0	22.31	-0.86	21.45	<=30	Pass		
	1753.5	1	0	23.00	-0.86	22.14	<=30	Pass	
			7	23.31	-0.86	22.45	<=30	Pass	
			14	23.07	-0.86	22.21	<=30	Pass	
		8	0	22.21	-0.86	21.35	<=30	Pass	
			4	22.28	-0.86	21.42	<=30	Pass	
			7	22.15	-0.86	21.29	<=30	Pass	
		15	0	22.13	-0.86	21.27	<=30	Pass	
	16QAM	1711.5	1	0	22.50	-0.86	21.64	<=30	Pass
				7	22.56	-0.86	21.70	<=30	Pass
				14	22.55	-0.86	21.69	<=30	Pass
8			0	21.50	-0.86	20.64	<=30	Pass	
			4	21.52	-0.86	20.66	<=30	Pass	
			7	21.58	-0.86	20.72	<=30	Pass	
15			0	21.50	-0.86	20.64	<=30	Pass	
1732.5		1	0	22.74	-0.86	21.88	<=30	Pass	
			7	22.50	-0.86	21.64	<=30	Pass	
			14	22.75	-0.86	21.89	<=30	Pass	
		8	0	21.69	-0.86	20.83	<=30	Pass	
			4	21.41	-0.86	20.55	<=30	Pass	
7		21.40	-0.86	20.54	<=30	Pass			
15		0	21.38	-0.86	20.52	<=30	Pass		
1753.5		1	0	22.05	-0.86	21.19	<=30	Pass	
			7	22.10	-0.86	21.24	<=30	Pass	
			14	22.11	-0.86	21.25	<=30	Pass	
		8	0	21.09	-0.86	20.23	<=30	Pass	
			4	21.04	-0.86	20.18	<=30	Pass	
			7	21.28	-0.86	20.42	<=30	Pass	
	15	0	21.20	-0.86	20.34	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.3 B4_5MHz_EIRP

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	23.14	-0.86	22.28	<=30	Pass
			13	23.17	-0.86	22.31	<=30	Pass
			24	23.06	-0.86	22.20	<=30	Pass
		12	0	22.39	-0.86	21.53	<=30	Pass
			6	22.43	-0.86	21.57	<=30	Pass
			13	22.39	-0.86	21.53	<=30	Pass
		25	0	22.39	-0.86	21.53	<=30	Pass
	1732.5	1	0	23.03	-0.86	22.17	<=30	Pass
			13	23.12	-0.86	22.26	<=30	Pass
			24	23.09	-0.86	22.23	<=30	Pass
		12	0	22.34	-0.86	21.48	<=30	Pass
			6	22.29	-0.86	21.43	<=30	Pass
			13	22.32	-0.86	21.46	<=30	Pass
		25	0	22.32	-0.86	21.46	<=30	Pass
	1752.5	1	0	23.19	-0.86	22.33	<=30	Pass
			13	23.34	-0.86	22.48	<=30	Pass
			24	23.33	-0.86	22.47	<=30	Pass
		12	0	22.29	-0.86	21.43	<=30	Pass
			6	22.31	-0.86	21.45	<=30	Pass
			13	22.37	-0.86	21.51	<=30	Pass
		25	0	22.27	-0.86	21.41	<=30	Pass
16QAM	1712.5	1	0	21.39	-0.86	20.53	<=30	Pass
			13	21.80	-0.86	20.94	<=30	Pass
			24	21.72	-0.86	20.86	<=30	Pass
		12	0	21.28	-0.86	20.42	<=30	Pass
			6	21.35	-0.86	20.49	<=30	Pass
			13	21.28	-0.86	20.42	<=30	Pass
		25	0	21.51	-0.86	20.65	<=30	Pass
	1732.5	1	0	22.33	-0.86	21.47	<=30	Pass
			13	22.66	-0.86	21.80	<=30	Pass
			24	22.51	-0.86	21.65	<=30	Pass
		12	0	21.25	-0.86	20.39	<=30	Pass
			6	21.23	-0.86	20.37	<=30	Pass
	25	0	21.34	-0.86	20.48	<=30	Pass	
	1752.5	1	0	21.99	-0.86	21.13	<=30	Pass
			13	22.14	-0.86	21.28	<=30	Pass
			24	22.34	-0.86	21.48	<=30	Pass
		12	0	21.17	-0.86	20.31	<=30	Pass
			6	21.40	-0.86	20.54	<=30	Pass
25		0	21.47	-0.86	20.61	<=30	Pass	
25	0	21.40	-0.86	20.54	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B4_10MHz_EIRP

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	23.16	-0.86	22.30	<=30	Pass
			25	23.36	-0.86	22.50	<=30	Pass
			49	23.27	-0.86	22.41	<=30	Pass
		25	0	22.43	-0.86	21.57	<=30	Pass
			13	22.44	-0.86	21.58	<=30	Pass
			25	22.32	-0.86	21.46	<=30	Pass
		50	0	22.33	-0.86	21.47	<=30	Pass
	1732.5	1	0	23.23	-0.86	22.37	<=30	Pass
			25	23.72	-0.86	22.86	<=30	Pass
			49	23.37	-0.86	22.51	<=30	Pass
		25	0	22.33	-0.86	21.47	<=30	Pass
			13	22.26	-0.86	21.40	<=30	Pass
			25	22.33	-0.86	21.47	<=30	Pass
		50	0	22.41	-0.86	21.55	<=30	Pass
	1750	1	0	23.32	-0.86	22.46	<=30	Pass
			25	23.56	-0.86	22.70	<=30	Pass
			49	23.22	-0.86	22.36	<=30	Pass
		25	0	22.32	-0.86	21.46	<=30	Pass
			13	22.36	-0.86	21.50	<=30	Pass
			25	22.33	-0.86	21.47	<=30	Pass
		50	0	22.42	-0.86	21.56	<=30	Pass
16QAM	1715	1	0	22.64	-0.86	21.78	<=30	Pass
			25	23.16	-0.86	22.30	<=30	Pass
			49	22.50	-0.86	21.64	<=30	Pass
		12	0	22.49	-0.86	21.63	<=30	Pass
			19	22.62	-0.86	21.76	<=30	Pass
			38	22.32	-0.86	21.46	<=30	Pass
		27	0	21.43	-0.86	20.57	<=30	Pass
	1732.5	1	0	21.96	-0.86	21.10	<=30	Pass
			25	23.46	-0.86	22.60	<=30	Pass
			49	22.95	-0.86	22.09	<=30	Pass
		12	0	22.45	-0.86	21.59	<=30	Pass
			19	22.29	-0.86	21.43	<=30	Pass
			38	22.25	-0.86	21.39	<=30	Pass
		27	0	21.49	-0.86	20.63	<=30	Pass
	1750	1	0	22.31	-0.86	21.45	<=30	Pass
			25	22.12	-0.86	21.26	<=30	Pass
			49	22.04	-0.86	21.18	<=30	Pass
		12	0	22.35	-0.86	21.49	<=30	Pass
			19	22.45	-0.86	21.59	<=30	Pass
			38	22.19	-0.86	21.33	<=30	Pass
		27	23	21.58	-0.86	20.72	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.5 B4_15MHz_EIRP

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	23.15	-0.86	22.29	<=30	Pass
			38	23.35	-0.86	22.49	<=30	Pass
			74	23.32	-0.86	22.46	<=30	Pass
		36	0	22.32	-0.86	21.46	<=30	Pass
			18	22.41	-0.86	21.55	<=30	Pass
			39	22.36	-0.86	21.50	<=30	Pass
		75	0	22.35	-0.86	21.49	<=30	Pass
	1732.5	1	0	23.37	-0.86	22.51	<=30	Pass
			38	23.40	-0.86	22.54	<=30	Pass
			74	23.34	-0.86	22.48	<=30	Pass
		36	0	22.56	-0.86	21.70	<=30	Pass
			18	22.50	-0.86	21.64	<=30	Pass
			39	22.60	-0.86	21.74	<=30	Pass
	75	0	22.55	-0.86	21.69	<=30	Pass	
	1747.5	1	0	23.41	-0.86	22.55	<=30	Pass
			38	23.16	-0.86	22.30	<=30	Pass
			74	23.18	-0.86	22.32	<=30	Pass
		36	0	22.63	-0.86	21.77	<=30	Pass
			18	22.49	-0.86	21.63	<=30	Pass
			39	22.41	-0.86	21.55	<=30	Pass
		75	0	22.43	-0.86	21.57	<=30	Pass
16QAM	1717.5	1	0	22.89	-0.86	22.03	<=30	Pass
			38	22.77	-0.86	21.91	<=30	Pass
			74	22.70	-0.86	21.84	<=30	Pass
		12	0	22.37	-0.86	21.51	<=30	Pass
			31	22.41	-0.86	21.55	<=30	Pass
			63	22.42	-0.86	21.56	<=30	Pass
		27	0	21.50	-0.86	20.64	<=30	Pass
	1732.5	1	0	22.44	-0.86	21.58	<=30	Pass
			38	22.49	-0.86	21.63	<=30	Pass
			74	21.88	-0.86	21.02	<=30	Pass
		12	0	22.59	-0.86	21.73	<=30	Pass
			31	22.44	-0.86	21.58	<=30	Pass
			63	22.27	-0.86	21.41	<=30	Pass
	27	0	21.59	-0.86	20.73	<=30	Pass	
	1747.5	1	0	22.54	-0.86	21.68	<=30	Pass
			38	22.20	-0.86	21.34	<=30	Pass
			74	21.67	-0.86	20.81	<=30	Pass
		12	0	22.58	-0.86	21.72	<=30	Pass
31			22.60	-0.86	21.74	<=30	Pass	
63			22.34	-0.86	21.48	<=30	Pass	
27		48	21.36	-0.86	20.50	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B4_20MHz_EIRP

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	23.16	-0.86	22.30	<=30	Pass
			50	23.62	-0.86	22.76	<=30	Pass
			99	23.19	-0.86	22.33	<=30	Pass
		50	0	22.45	-0.86	21.59	<=30	Pass
			25	22.48	-0.86	21.62	<=30	Pass
			50	22.45	-0.86	21.59	<=30	Pass
		100	0	22.47	-0.86	21.61	<=30	Pass
	1732.5	1	0	23.37	-0.86	22.51	<=30	Pass
			50	23.50	-0.86	22.64	<=30	Pass
			99	23.17	-0.86	22.31	<=30	Pass
		50	0	22.41	-0.86	21.55	<=30	Pass
			25	22.51	-0.86	21.65	<=30	Pass
			50	22.35	-0.86	21.49	<=30	Pass
		100	0	22.44	-0.86	21.58	<=30	Pass
	1745	1	0	23.61	-0.86	22.75	<=30	Pass
			50	23.75	-0.86	22.89	<=30	Pass
			99	23.27	-0.86	22.41	<=30	Pass
		50	0	22.77	-0.86	21.91	<=30	Pass
			25	22.57	-0.86	21.71	<=30	Pass
			50	22.47	-0.86	21.61	<=30	Pass
		100	0	22.58	-0.86	21.72	<=30	Pass
16QAM	1720	1	0	22.96	-0.86	22.10	<=30	Pass
			50	23.44	-0.86	22.58	<=30	Pass
			99	23.05	-0.86	22.19	<=30	Pass
		12	0	22.13	-0.86	21.27	<=30	Pass
			44	22.27	-0.86	21.41	<=30	Pass
			88	22.30	-0.86	21.44	<=30	Pass
		27	0	21.22	-0.86	20.36	<=30	Pass
	1732.5	1	0	23.22	-0.86	22.36	<=30	Pass
			50	23.42	-0.86	22.56	<=30	Pass
			99	22.97	-0.86	22.11	<=30	Pass
		12	0	22.44	-0.86	21.58	<=30	Pass
			44	22.35	-0.86	21.49	<=30	Pass
			88	22.05	-0.86	21.19	<=30	Pass
		27	0	21.55	-0.86	20.69	<=30	Pass
	1745	1	0	23.53	-0.86	22.67	<=30	Pass
			50	23.75	-0.86	22.89	<=30	Pass
			99	23.15	-0.86	22.29	<=30	Pass
		12	0	22.80	-0.86	21.94	<=30	Pass
44			22.49	-0.86	21.63	<=30	Pass	
88			22.17	-0.86	21.31	<=30	Pass	
27		73	21.56	-0.86	20.70	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B4_20MHz

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	2.996	0.0017	-2.5 to 2.5	Pass
					3.85	1.136	0.0007	-2.5 to 2.5	Pass
					4.43	2.439	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.545	0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.739	0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.986	0.0012	-2.5 to 2.5	Pass
				0	3.85	2.143	0.0012	-2.5 to 2.5	Pass
				10	3.85	0.860	0.0005	-2.5 to 2.5	Pass
				30	3.85	1.577	0.0009	-2.5 to 2.5	Pass
				40	3.85	0.825	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.744	0.0004	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-0.252	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.636	-0.0004	-2.5 to 2.5	Pass
					4.43	0.116	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.452	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.054	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.005	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.378	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.342	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.653	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.659	0.0004	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.192	-0.0018	-2.5 to 2.5	Pass
					3.85	-3.021	-0.0017	-2.5 to 2.5	Pass
					4.43	-2.839	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-3.107	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-2.487	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-3.200	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-2.790	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-2.458	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-2.463	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-3.060	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-2.647	-0.0015	-2.5 to 2.5	Pass
16QAM	1720	27	0	20	3.27	1.459	0.0008	-2.5 to 2.5	Pass
					3.85	2.615	0.0015	-2.5 to 2.5	Pass
					4.43	1.426	0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.995	0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.477	0.0009	-2.5 to 2.5	Pass
				-10	3.85	2.259	0.0013	-2.5 to 2.5	Pass
				0	3.85	2.268	0.0013	-2.5 to 2.5	Pass
				10	3.85	2.035	0.0012	-2.5 to 2.5	Pass
				30	3.85	1.778	0.0010	-2.5 to 2.5	Pass
				40	3.85	1.802	0.0010	-2.5 to 2.5	Pass
				50	3.85	1.991	0.0012	-2.5 to 2.5	Pass

	1732.5	27	0	20	3.27	1.474	0.0009	-2.5 to 2.5	Pass
					3.85	0.353	0.0002	-2.5 to 2.5	Pass
					4.43	0.490	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.649	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.027	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.694	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.646	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.484	0.0003	-2.5 to 2.5	Pass
				30	3.85	1.708	0.0010	-2.5 to 2.5	Pass
				40	3.85	0.607	0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.260	-0.0002	-2.5 to 2.5	Pass
	1745	27	73	20	3.27	-2.692	-0.0015	-2.5 to 2.5	Pass
					3.85	-3.751	-0.0021	-2.5 to 2.5	Pass
					4.43	-2.320	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-2.726	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.075	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-3.394	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-3.032	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-3.873	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-4.114	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-2.713	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-4.186	-0.0024	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

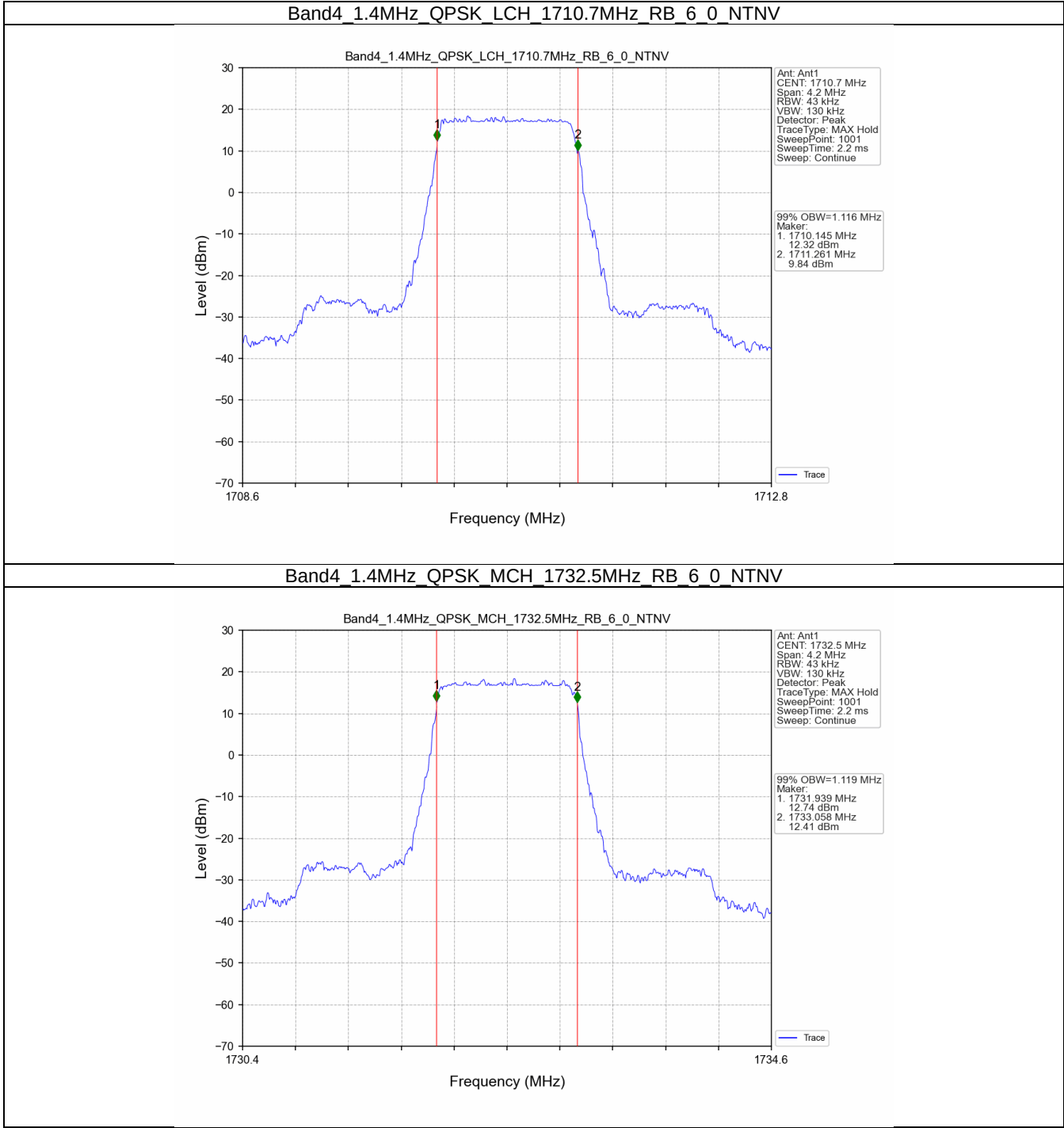
Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.116	/	Pass
		1732.5	6	0	1.119	/	Pass
		1754.3	6	0	1.108	/	Pass
	16QAM	1710.7	6	0	1.113	/	Pass
		1732.5	6	0	1.107	/	Pass
		1754.3	6	0	1.111	/	Pass
3	QPSK	1711.5	15	0	2.741	/	Pass
		1732.5	15	0	2.730	/	Pass
		1753.5	15	0	2.749	/	Pass
	16QAM	1711.5	15	0	2.731	/	Pass
		1732.5	15	0	2.738	/	Pass
		1753.5	15	0	2.726	/	Pass
5	QPSK	1712.5	25	0	4.564	/	Pass
		1732.5	25	0	4.554	/	Pass
		1752.5	25	0	4.550	/	Pass
	16QAM	1712.5	25	0	4.549	/	Pass
		1732.5	25	0	4.567	/	Pass
		1752.5	25	0	4.572	/	Pass
10	QPSK	1715	50	0	9.043	/	Pass
		1732.5	50	0	9.052	/	Pass
		1750	50	0	9.037	/	Pass
	16QAM	1715	27	0	5.108	/	Pass
		1732.5	27	0	5.076	/	Pass
		1750	27	23	5.079	/	Pass
15	QPSK	1717.5	75	0	13.546	/	Pass
		1732.5	75	0	13.542	/	Pass
		1747.5	75	0	13.517	/	Pass
	16QAM	1717.5	27	0	5.307	/	Pass
		1732.5	27	0	5.309	/	Pass
		1747.5	27	48	5.246	/	Pass
20	QPSK	1720	100	0	18.002	/	Pass
		1732.5	100	0	18.050	/	Pass
		1745	100	0	18.068	/	Pass
	16QAM	1720	27	0	5.533	/	Pass
		1732.5	27	0	5.551	/	Pass
		1745	27	73	5.542	/	Pass

3.1.2 Band4_XDB

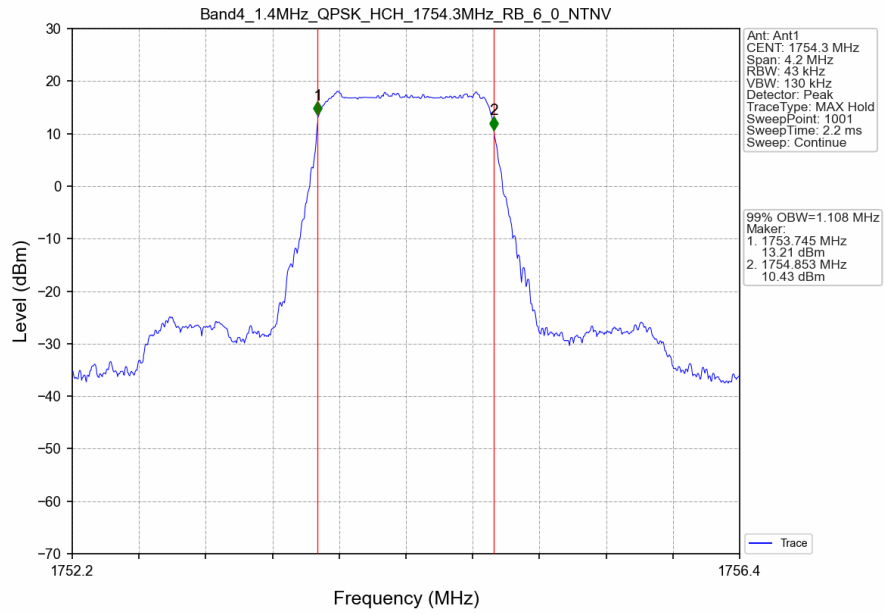
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.318	/	Pass
		1732.5	6	0	1.310	/	Pass
		1754.3	6	0	1.326	/	Pass
	16QAM	1710.7	6	0	1.318	/	Pass
		1732.5	6	0	1.329	/	Pass
		1754.3	6	0	1.330	/	Pass
3	QPSK	1711.5	15	0	3.041	/	Pass
		1732.5	15	0	3.046	/	Pass
		1753.5	15	0	3.047	/	Pass
	16QAM	1711.5	15	0	3.035	/	Pass
		1732.5	15	0	3.035	/	Pass
		1753.5	15	0	3.059	/	Pass
5	QPSK	1712.5	25	0	5.079	/	Pass
		1732.5	25	0	5.070	/	Pass
		1752.5	25	0	5.088	/	Pass
	16QAM	1712.5	25	0	5.079	/	Pass
		1732.5	25	0	5.099	/	Pass
		1752.5	25	0	5.097	/	Pass
10	QPSK	1715	50	0	10.019	/	Pass
		1732.5	50	0	10.058	/	Pass
		1750	50	0	10.004	/	Pass
	16QAM	1715	27	0	5.970	/	Pass
		1732.5	27	0	6.046	/	Pass
		1750	27	23	6.058	/	Pass
15	QPSK	1717.5	75	0	15.029	/	Pass
		1732.5	75	0	14.825	/	Pass
		1747.5	75	0	14.882	/	Pass
	16QAM	1717.5	27	0	6.297	/	Pass
		1732.5	27	0	7.470	/	Pass
		1747.5	27	48	6.558	/	Pass
20	QPSK	1720	100	0	19.723	/	Pass
		1732.5	100	0	19.837	/	Pass
		1745	100	0	19.783	/	Pass
	16QAM	1720	27	0	6.875	/	Pass
		1732.5	27	0	7.559	/	Pass
		1745	27	73	7.216	/	Pass

3.2 Test Graph

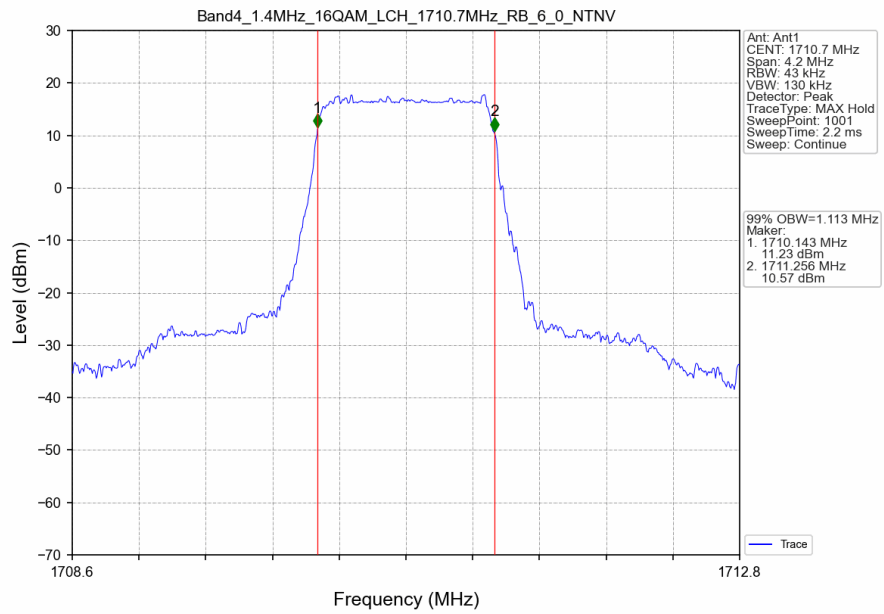
3.2.1 Band4_OBW



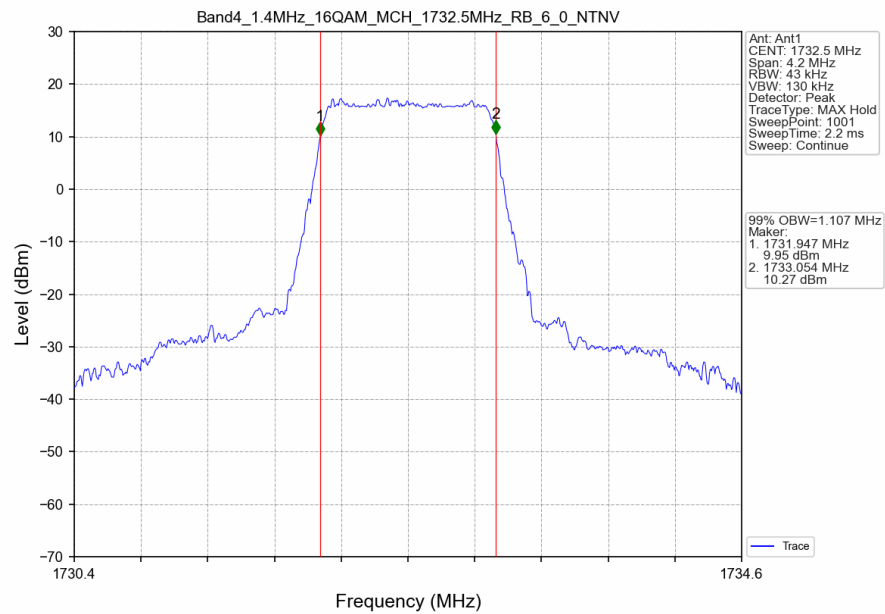
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



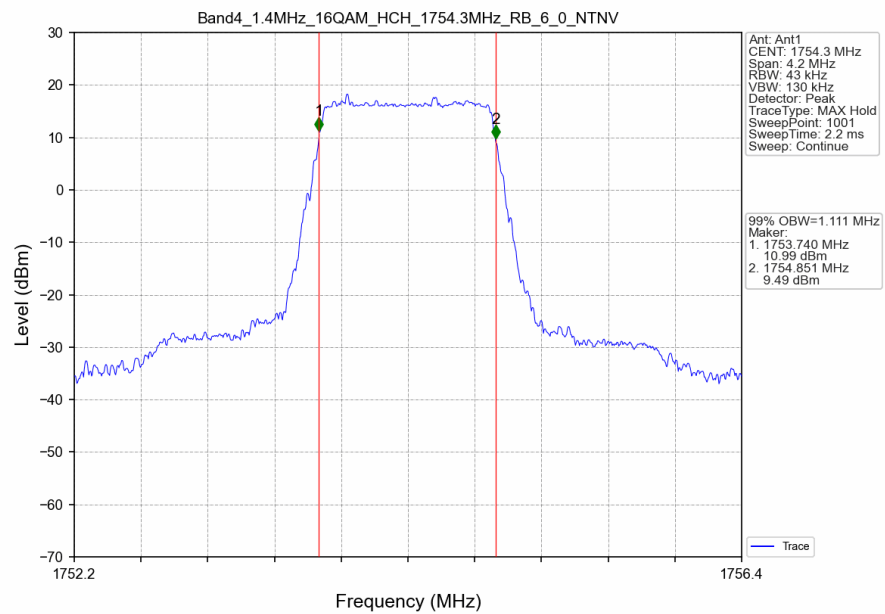
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



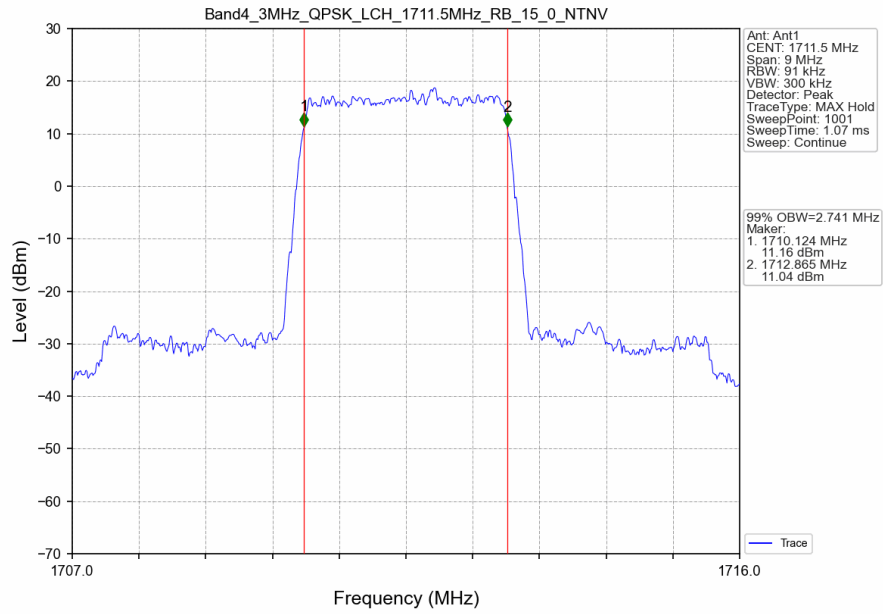
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN



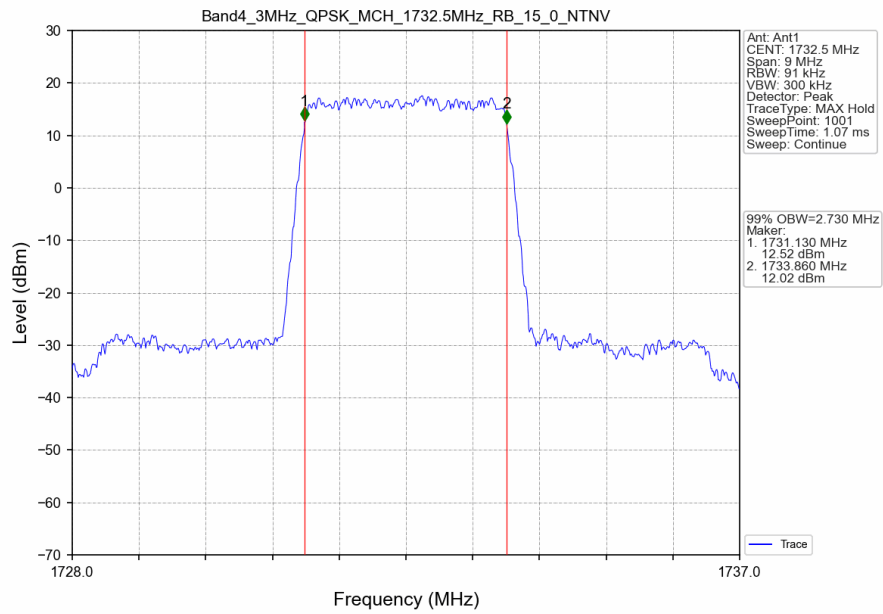
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



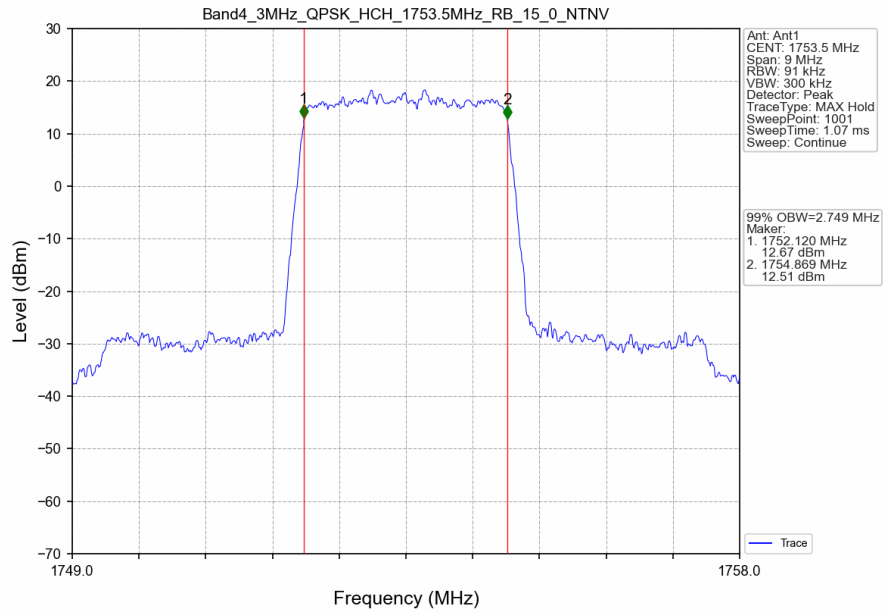
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



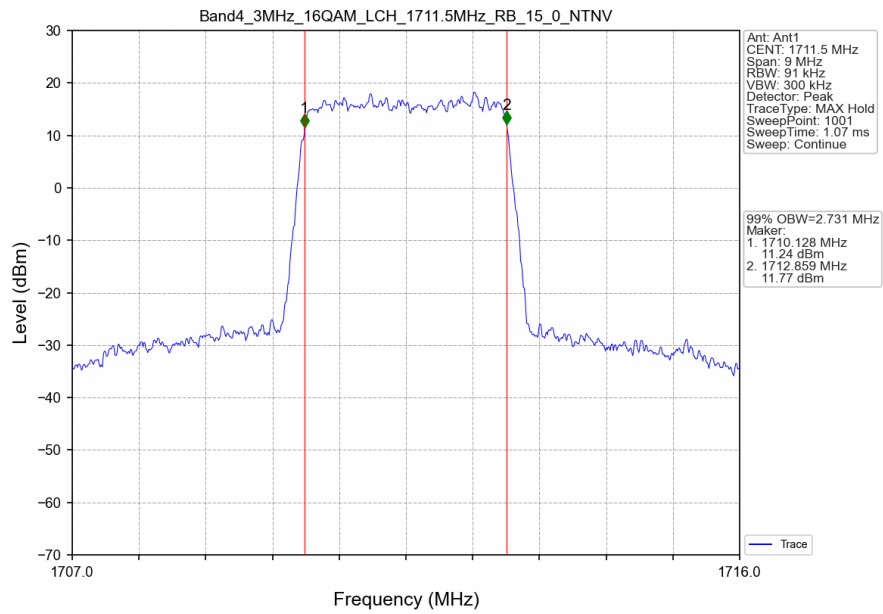
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



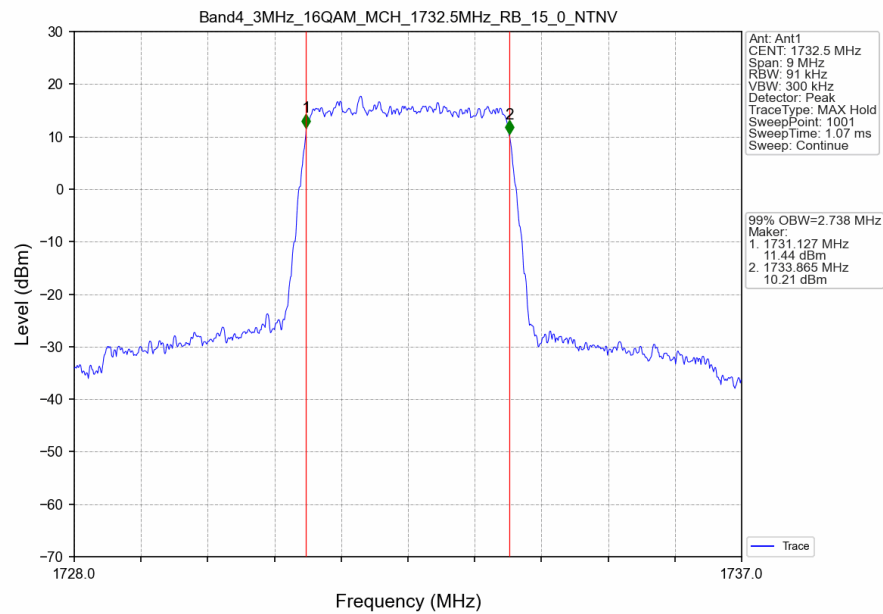
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



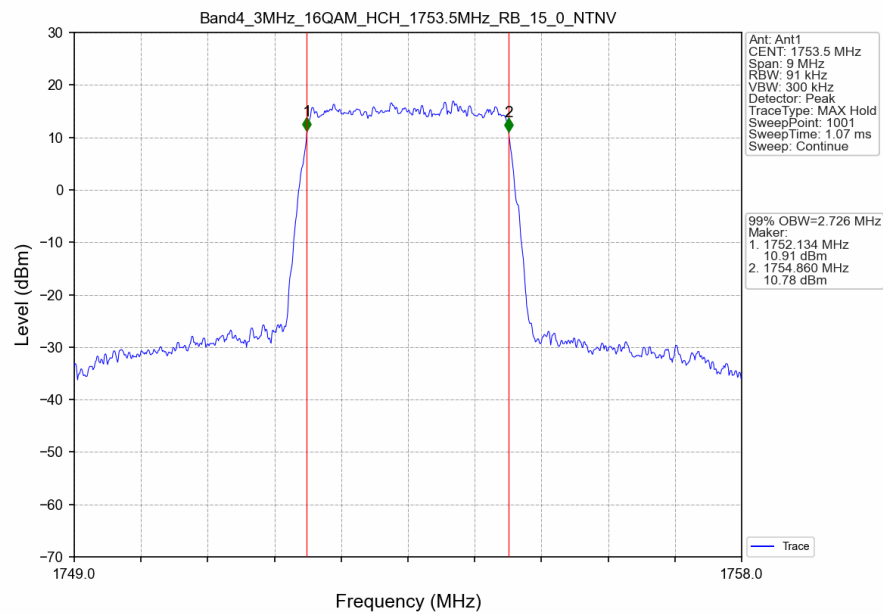
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



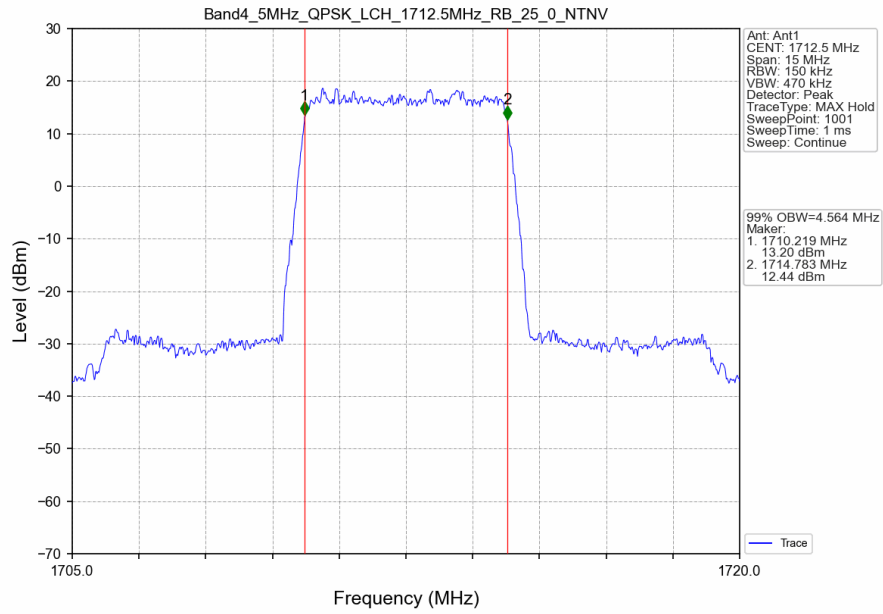
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



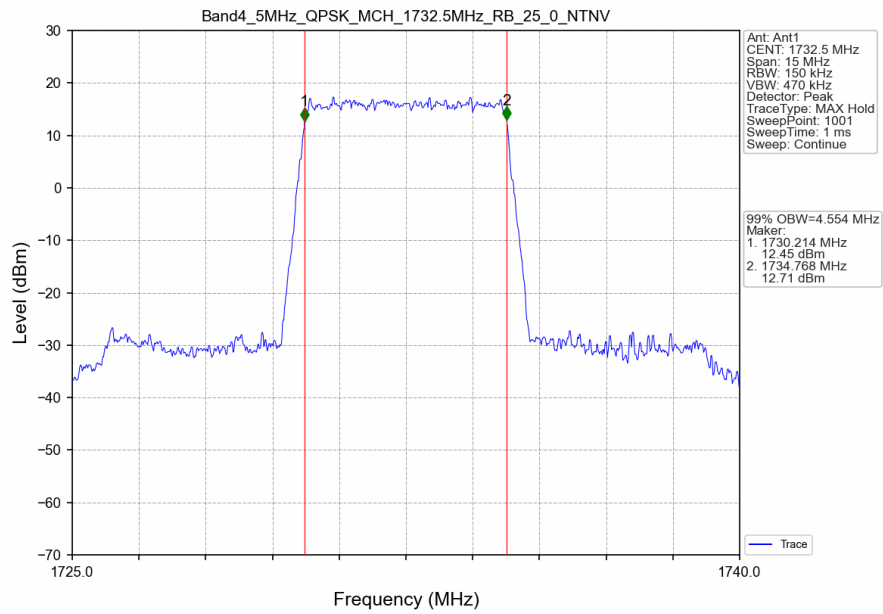
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



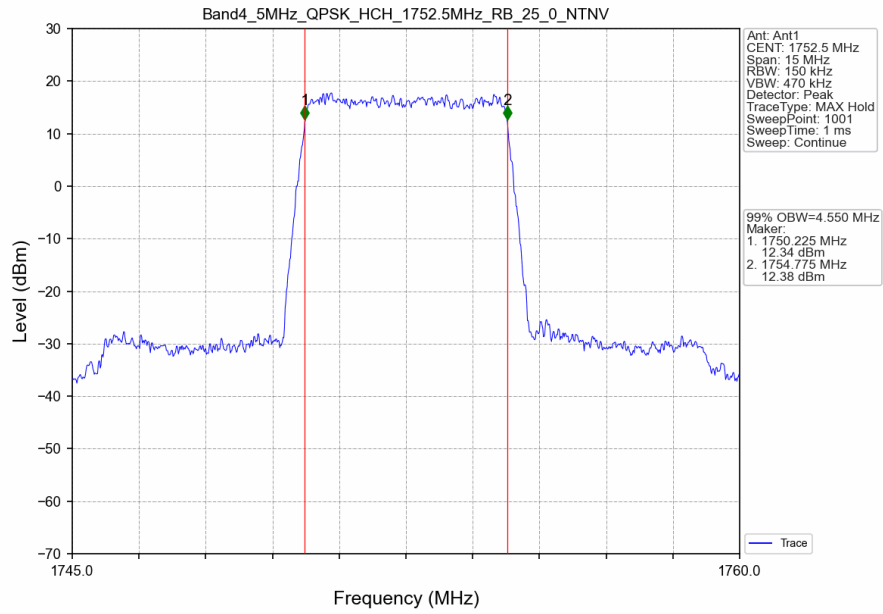
Band4 5MHz QPSK LCH 1712.5MHz RB 25_0_NTNV



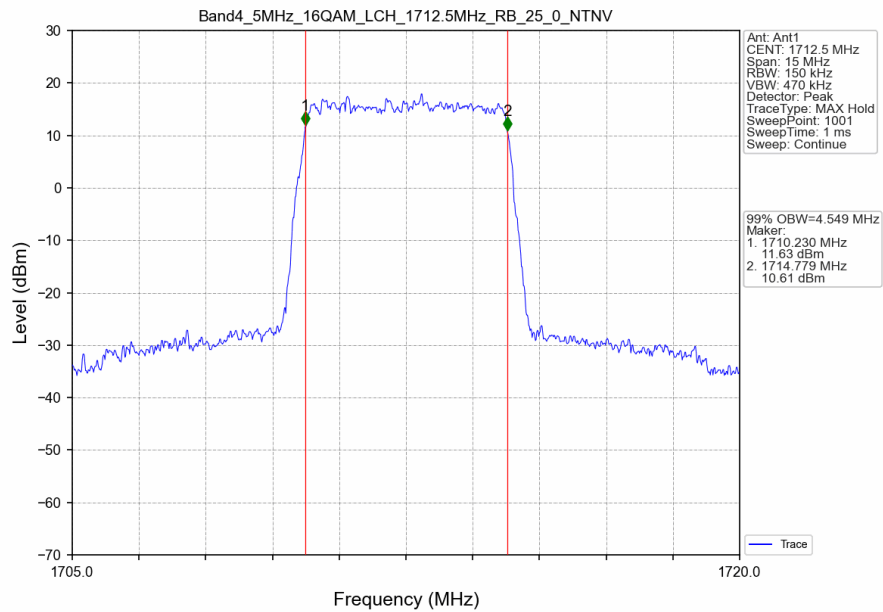
Band4 5MHz QPSK MCH 1732.5MHz RB 25_0_NTNV



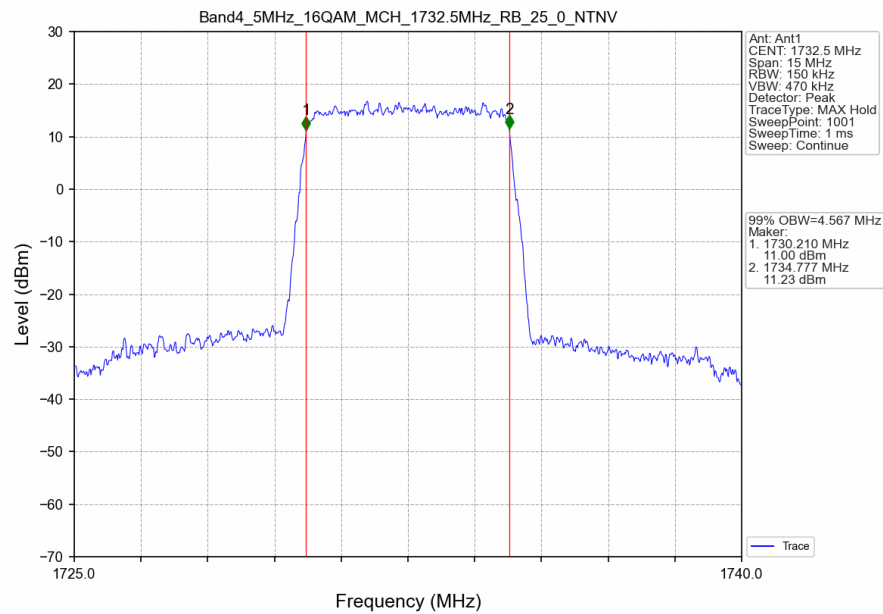
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



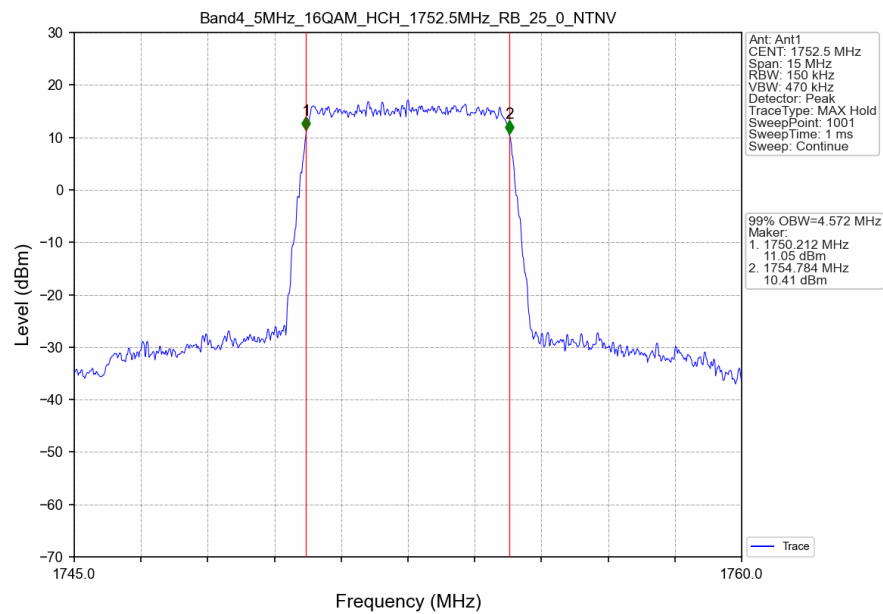
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



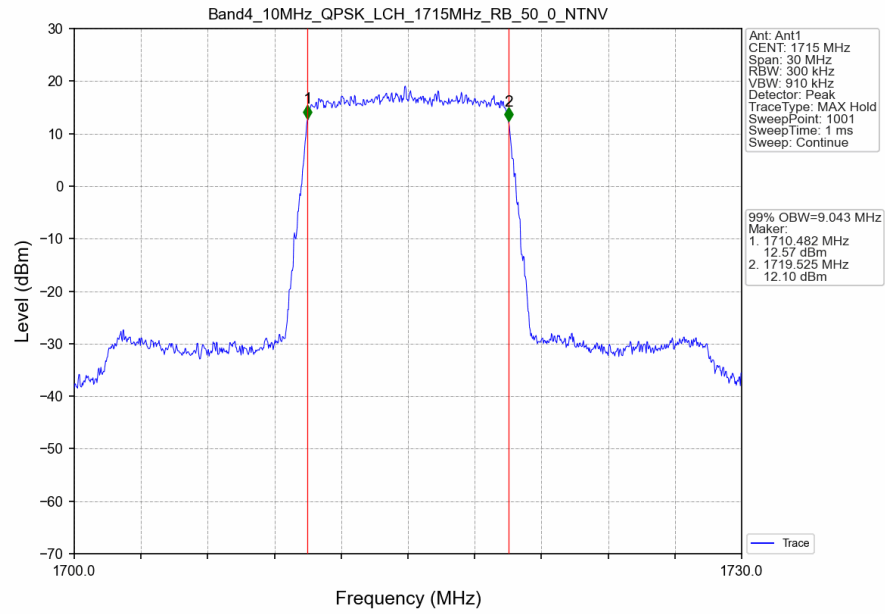
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



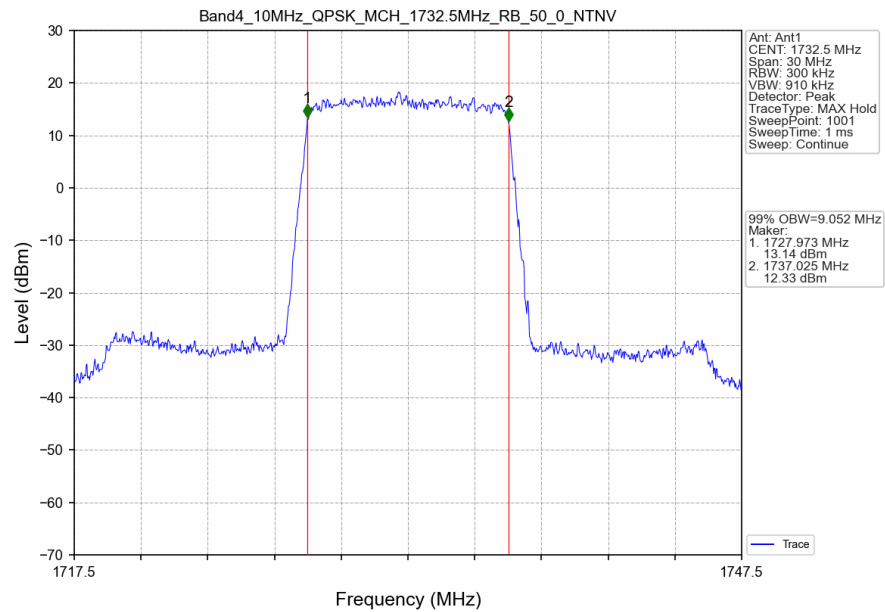
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



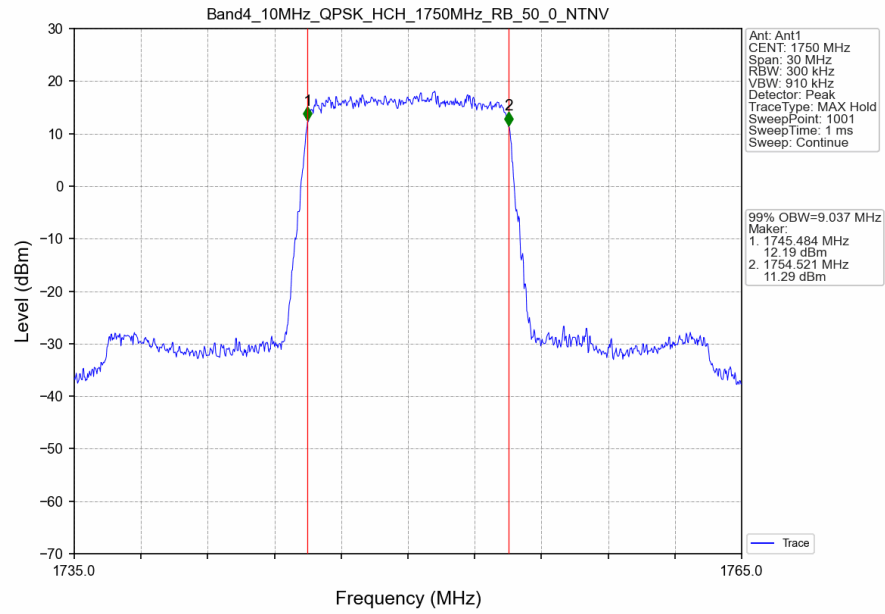
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



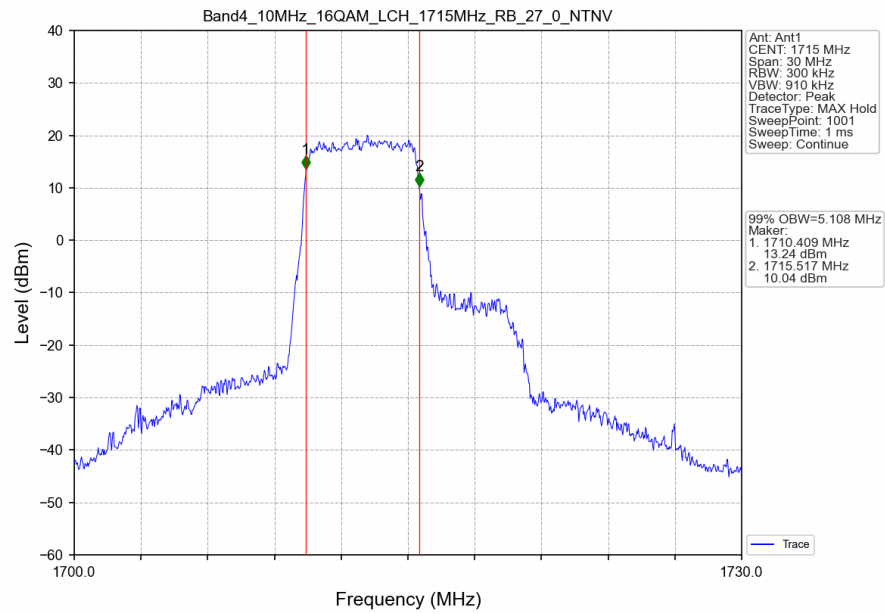
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



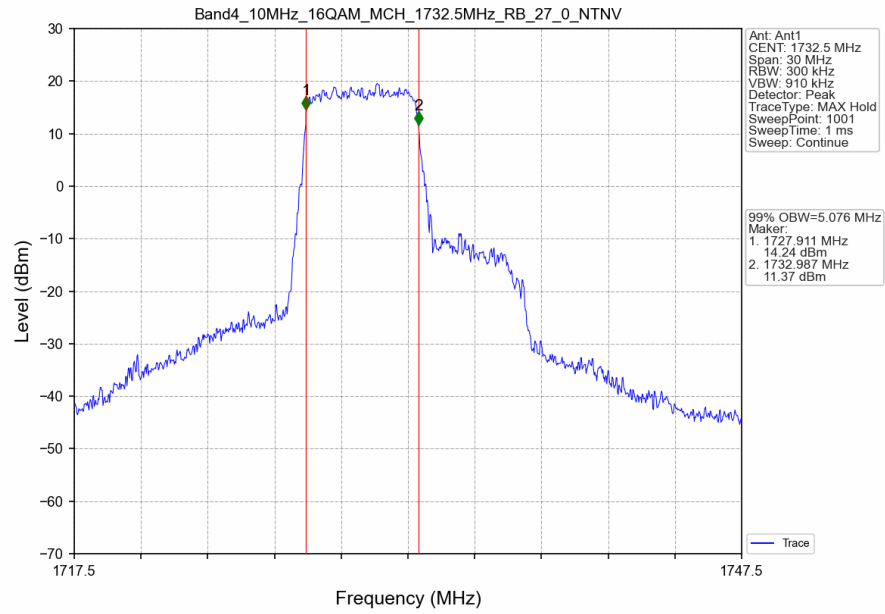
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



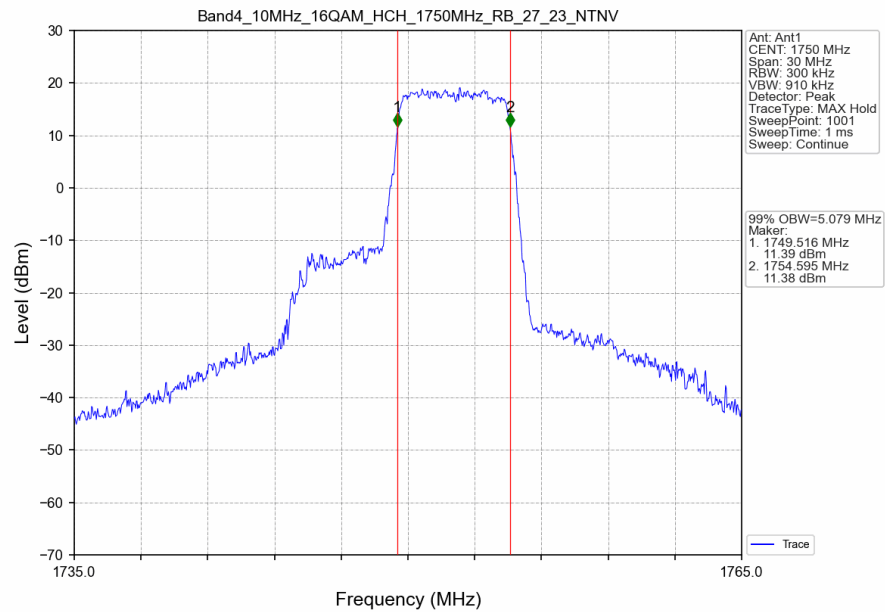
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



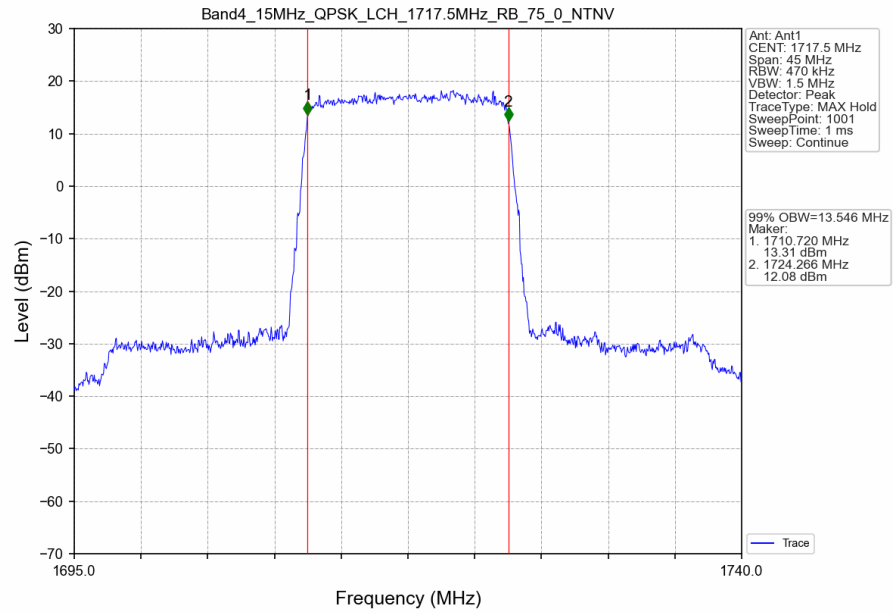
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



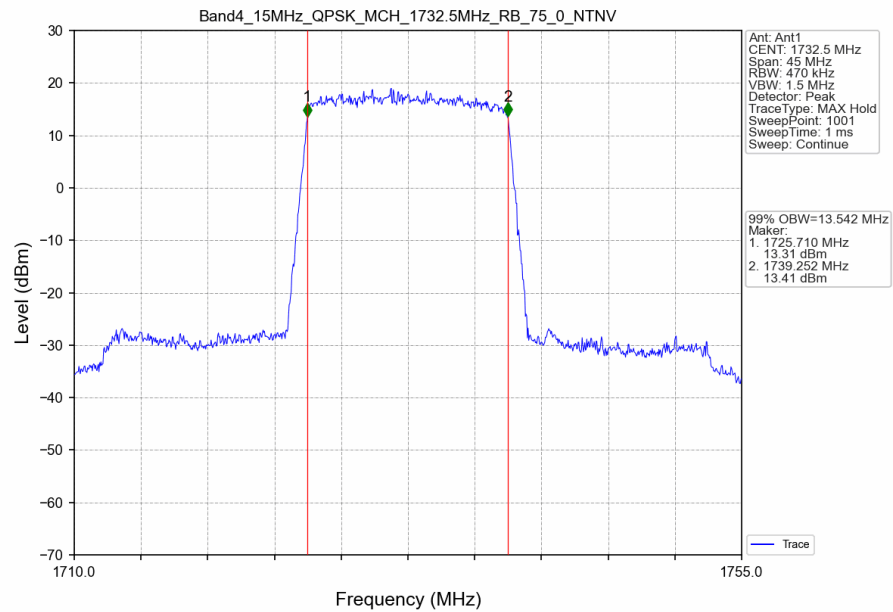
Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



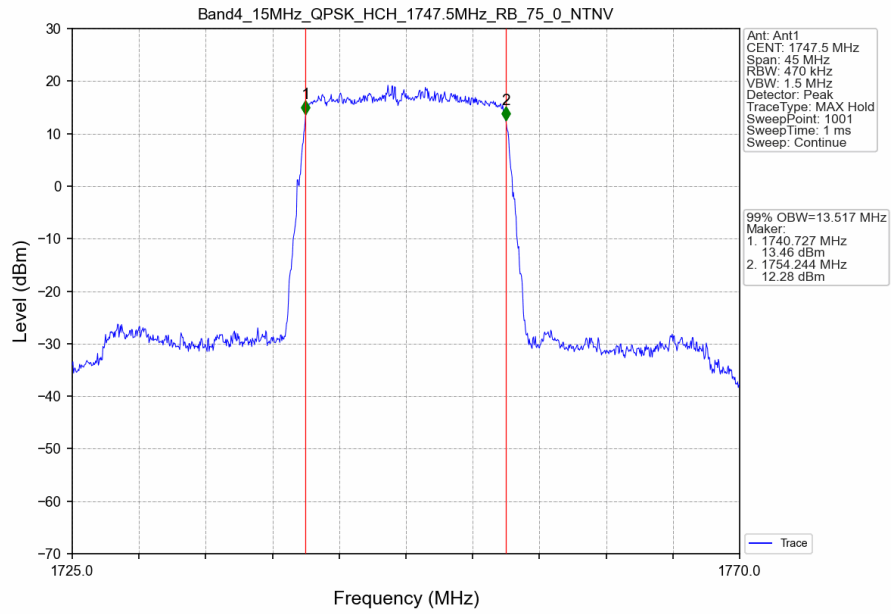
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



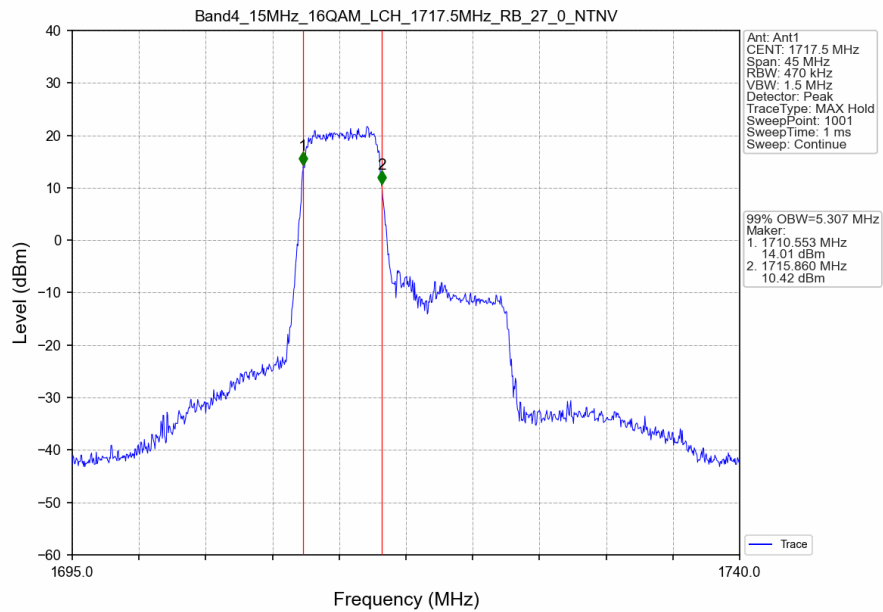
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



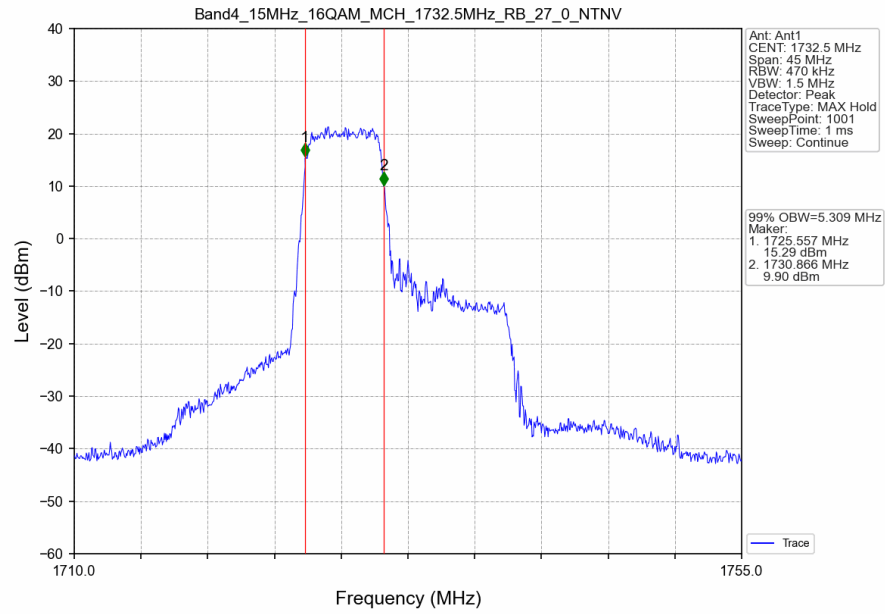
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



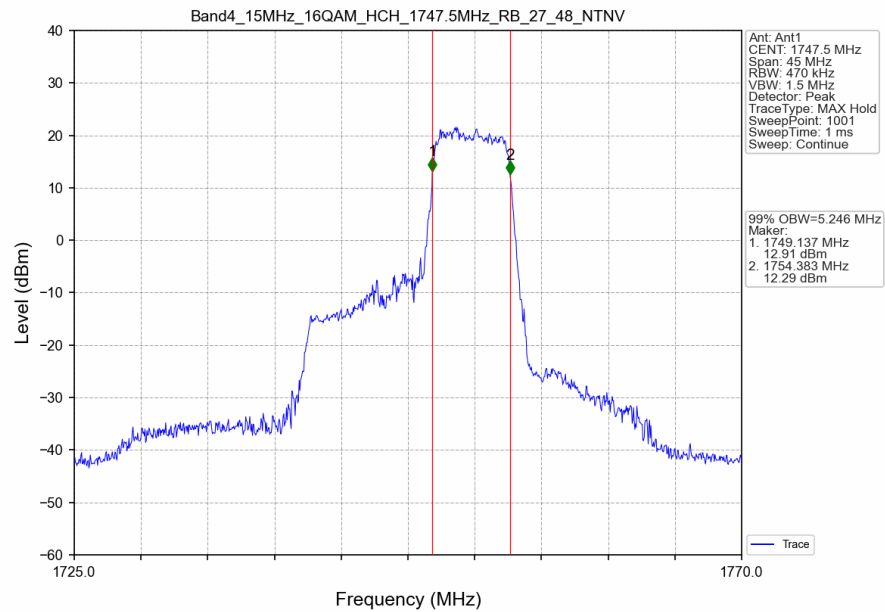
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



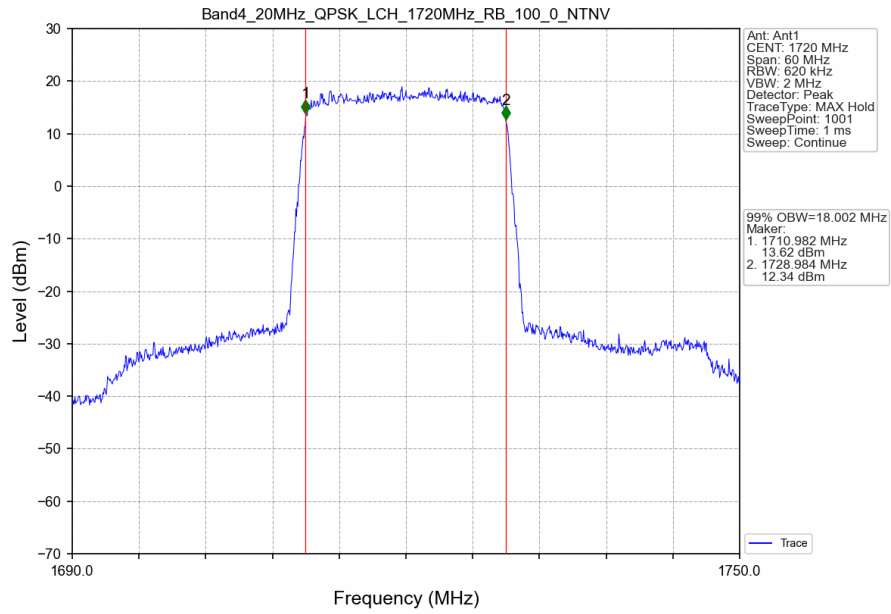
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



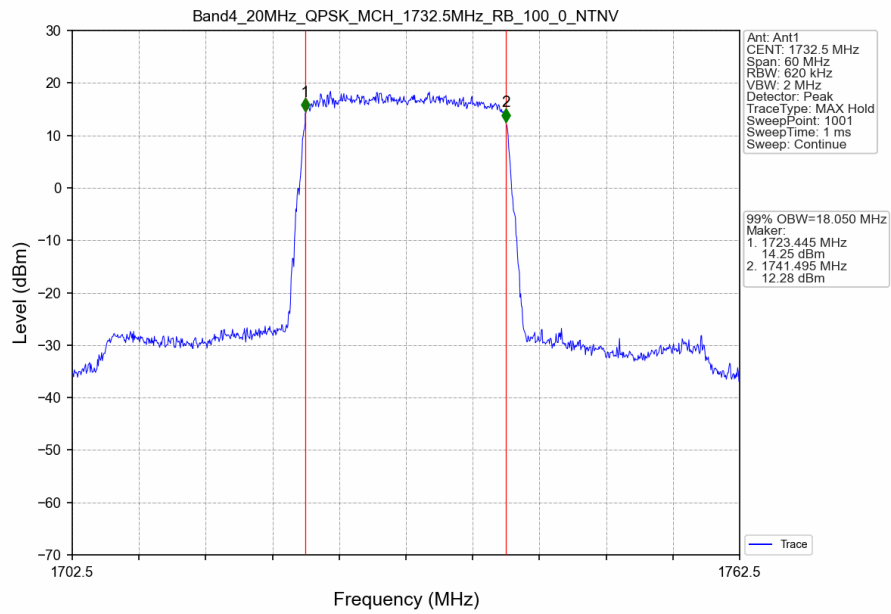
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



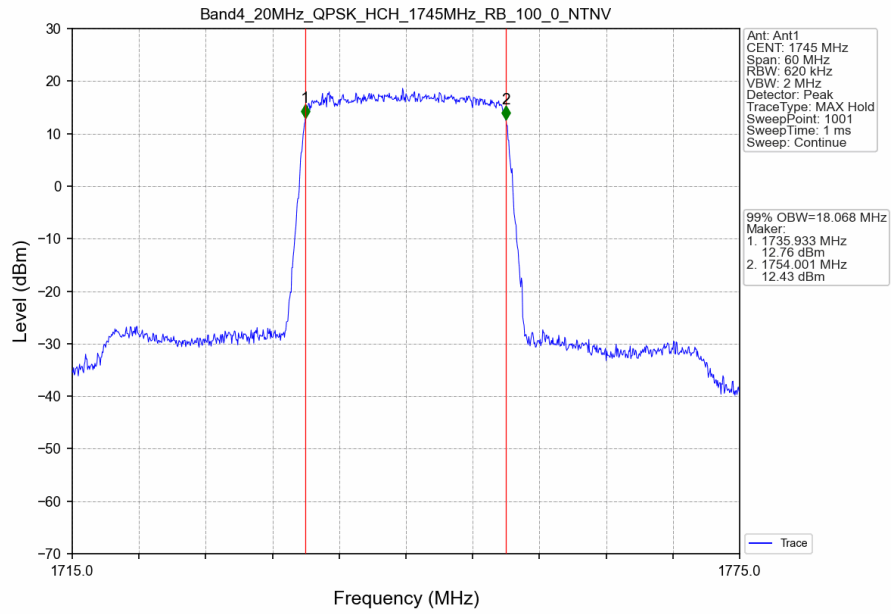
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



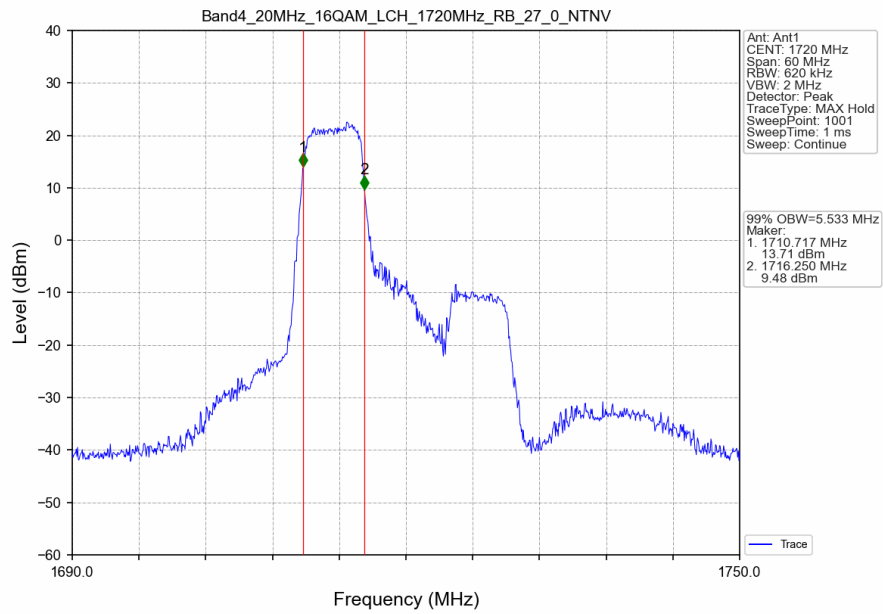
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



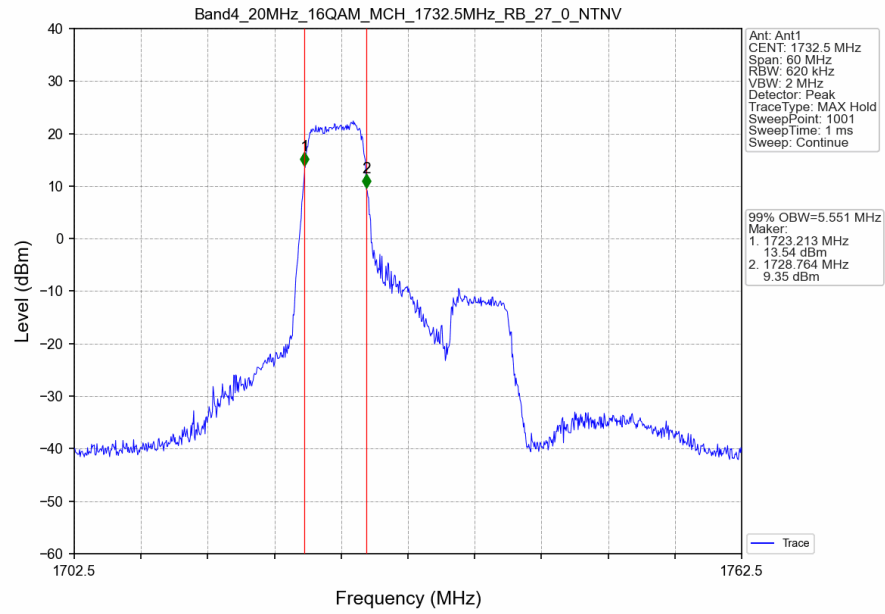
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



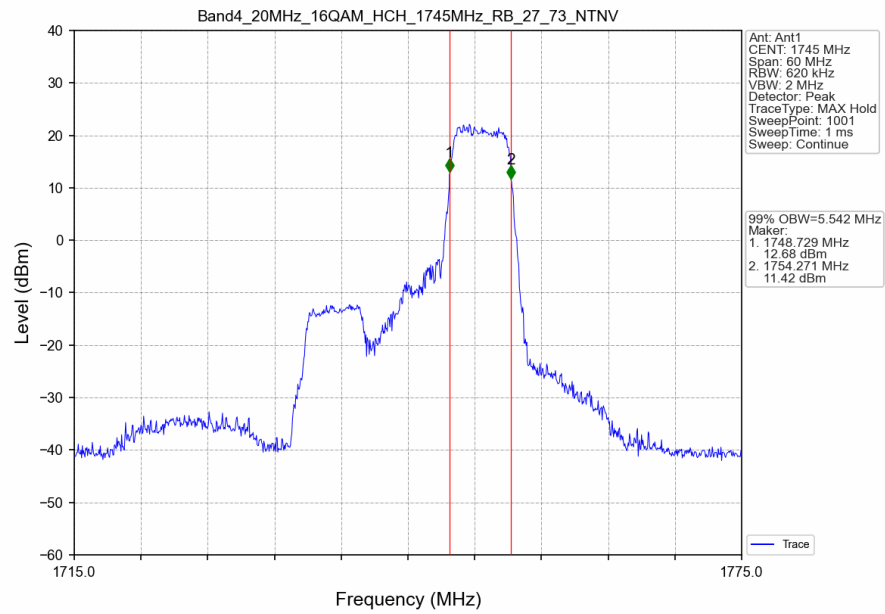
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



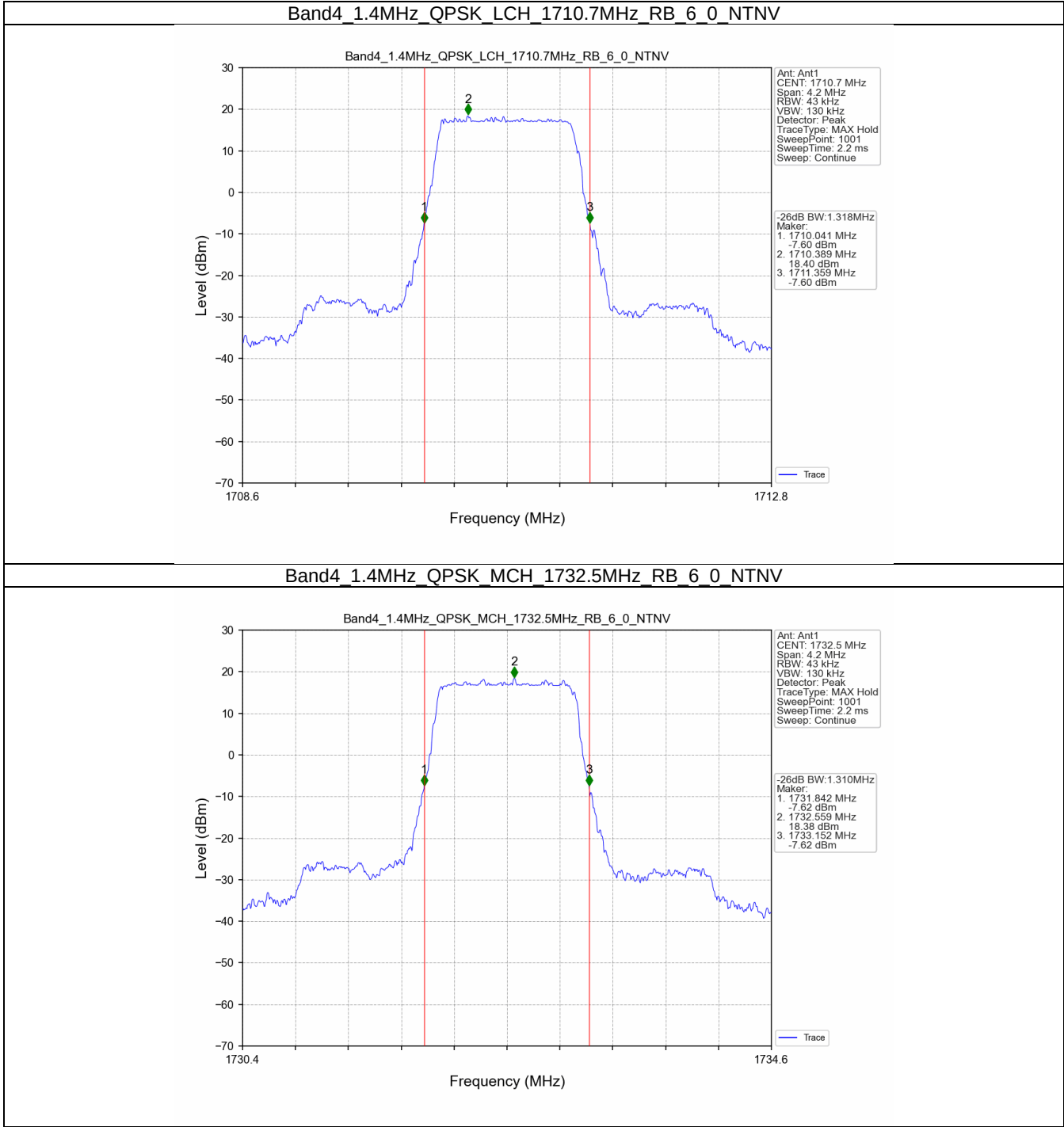
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



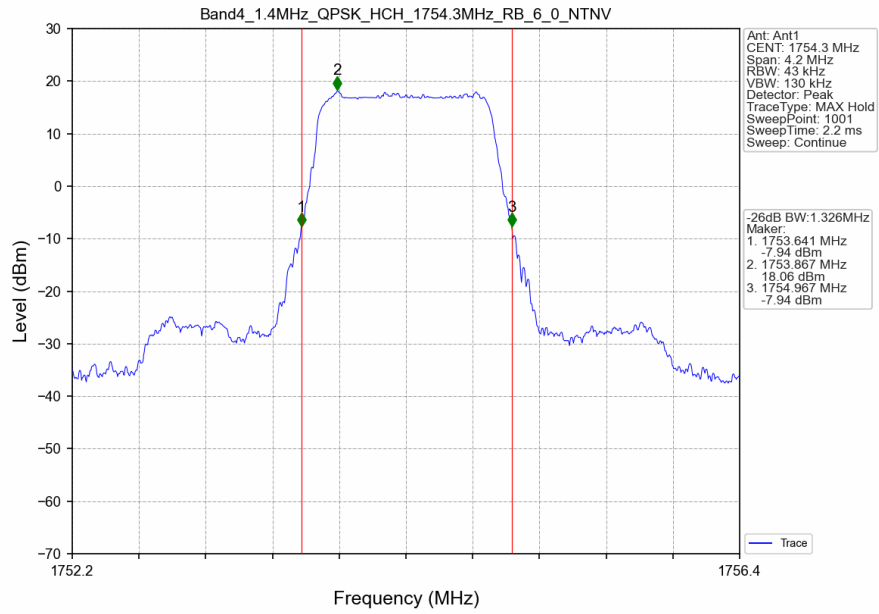
Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV



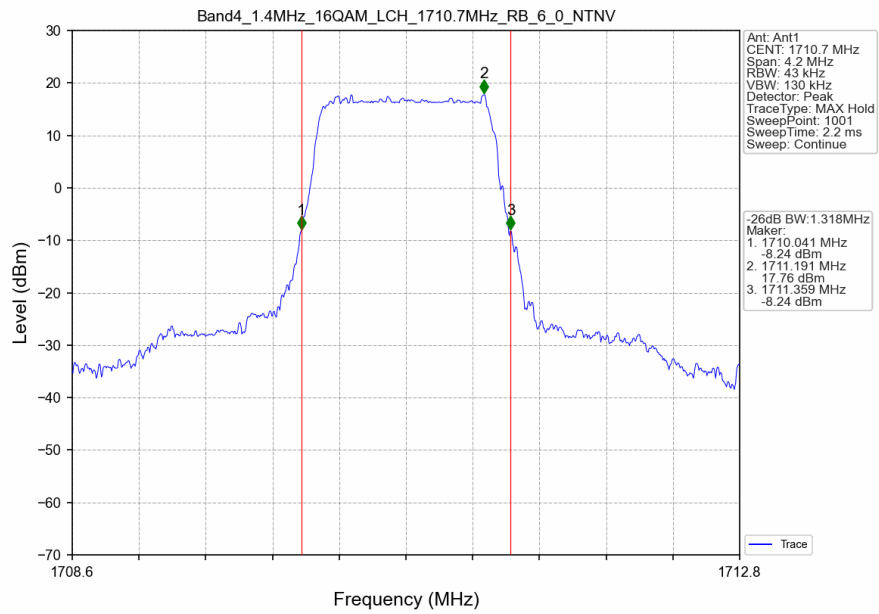
3.2.2 Band4_XDB



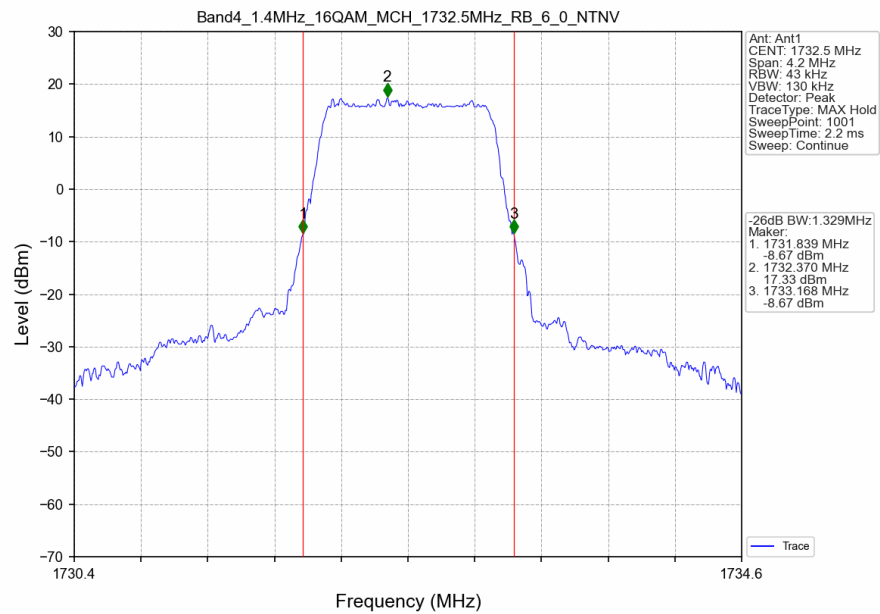
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



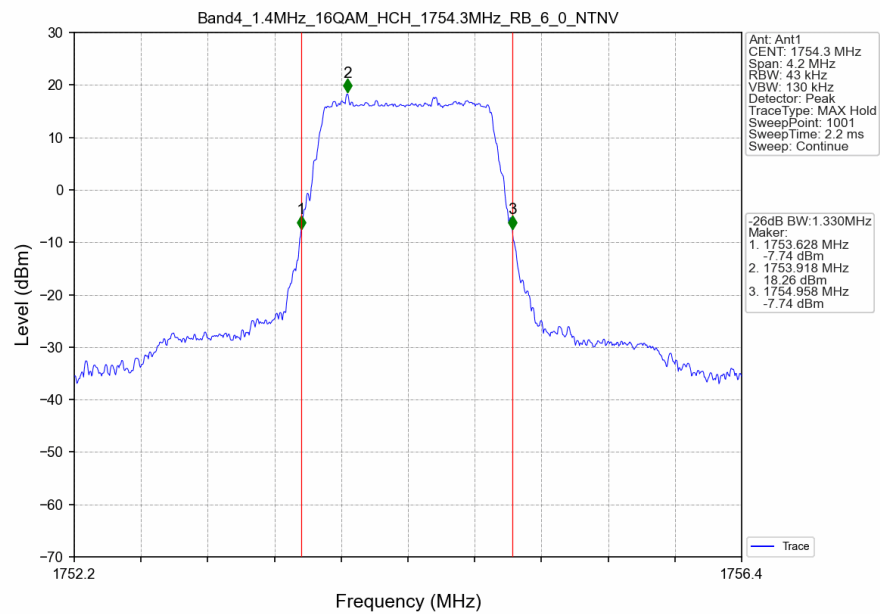
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



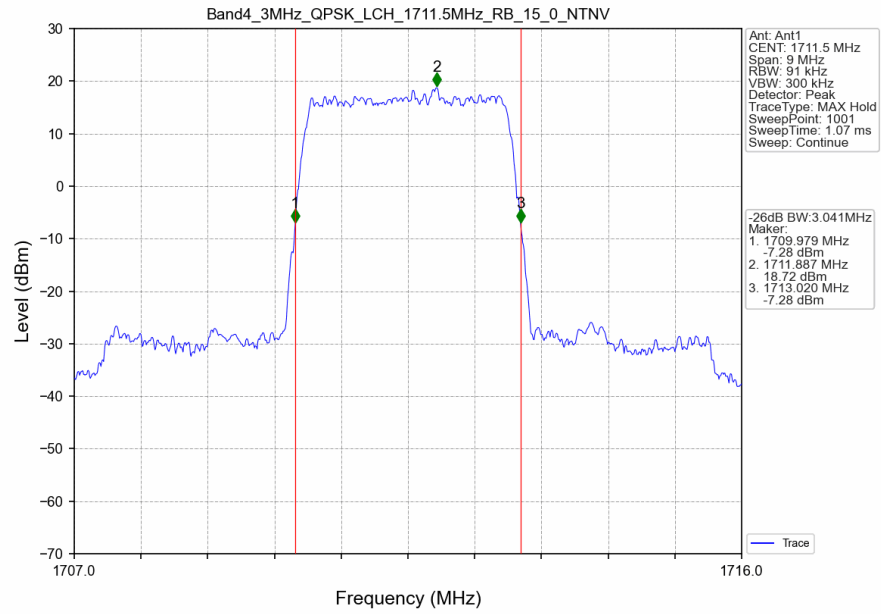
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6_0 NTN



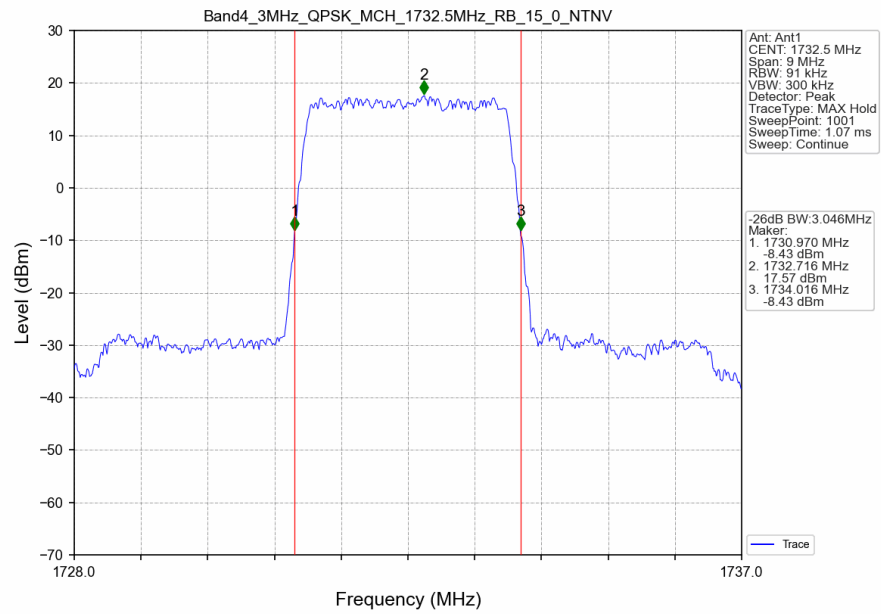
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6_0 NTN



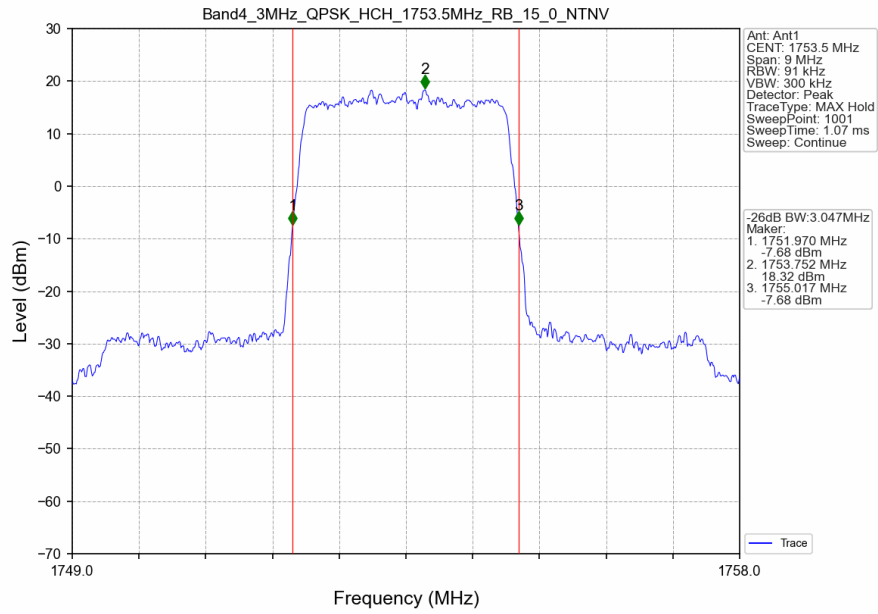
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



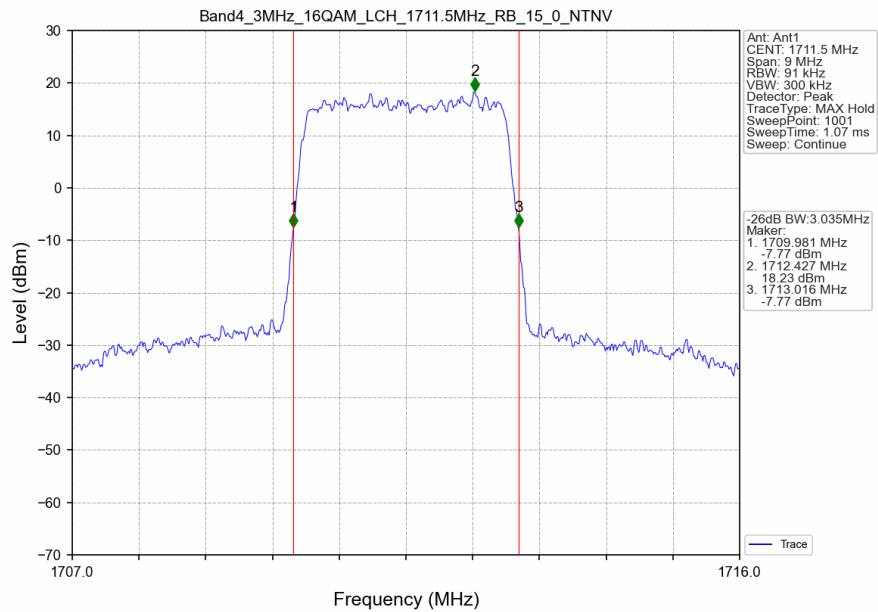
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



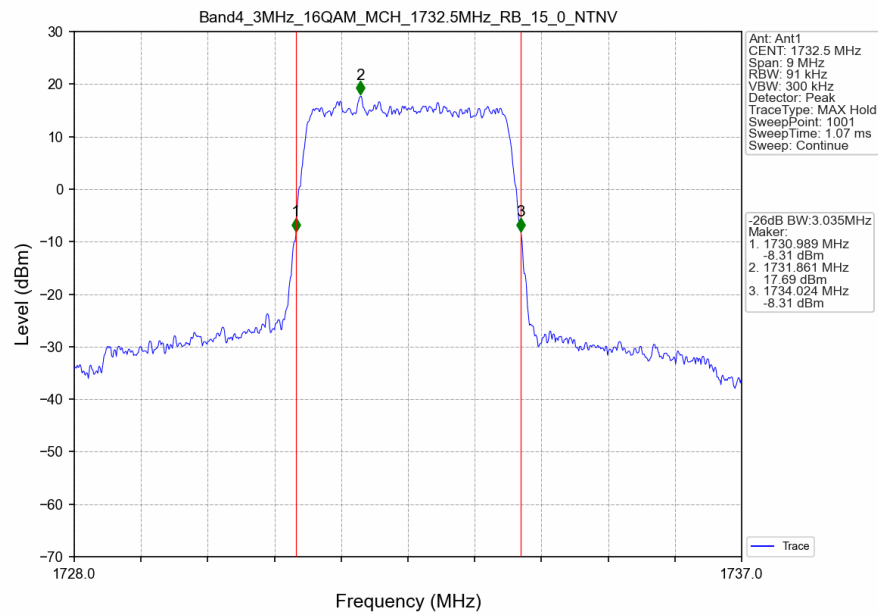
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



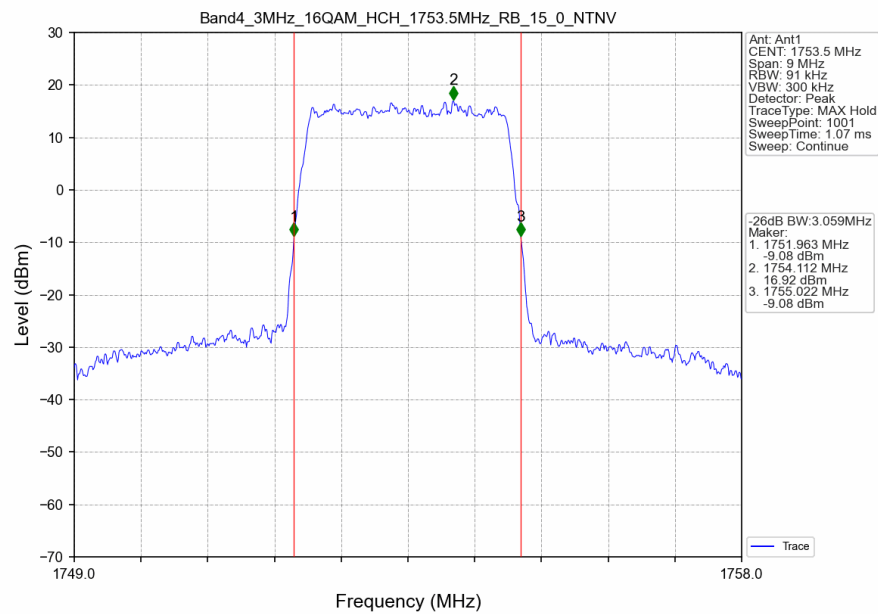
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



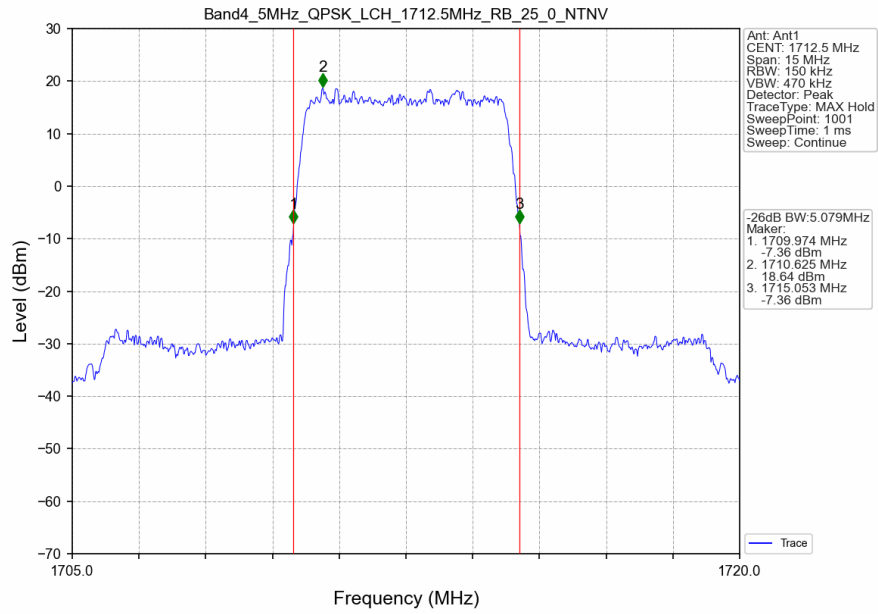
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



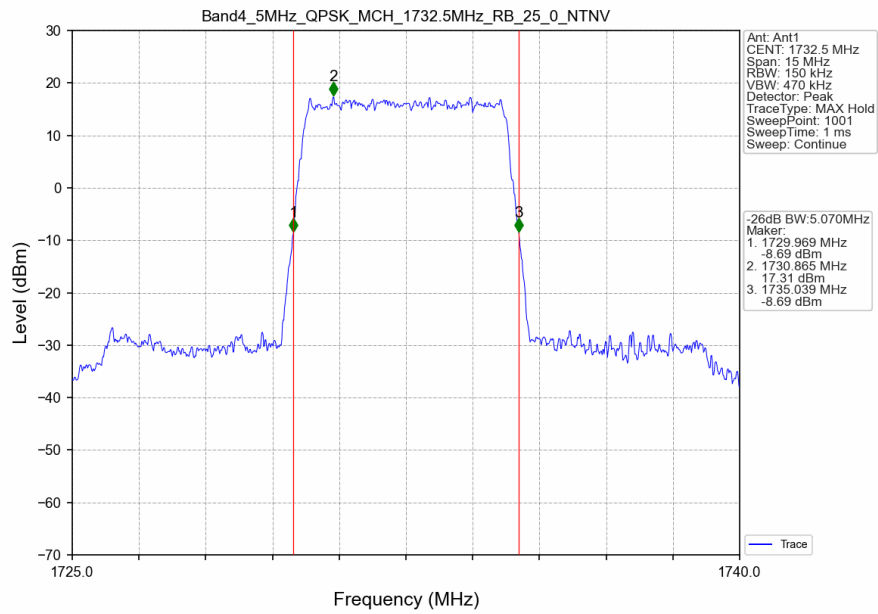
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



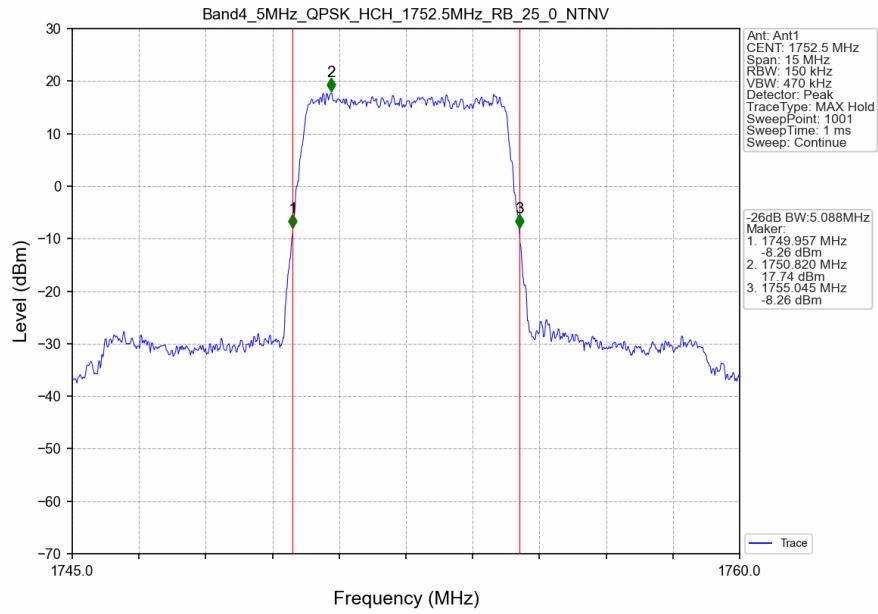
Band4 5MHz QPSK LCH 1712.5MHz RB 25_0 NTNV



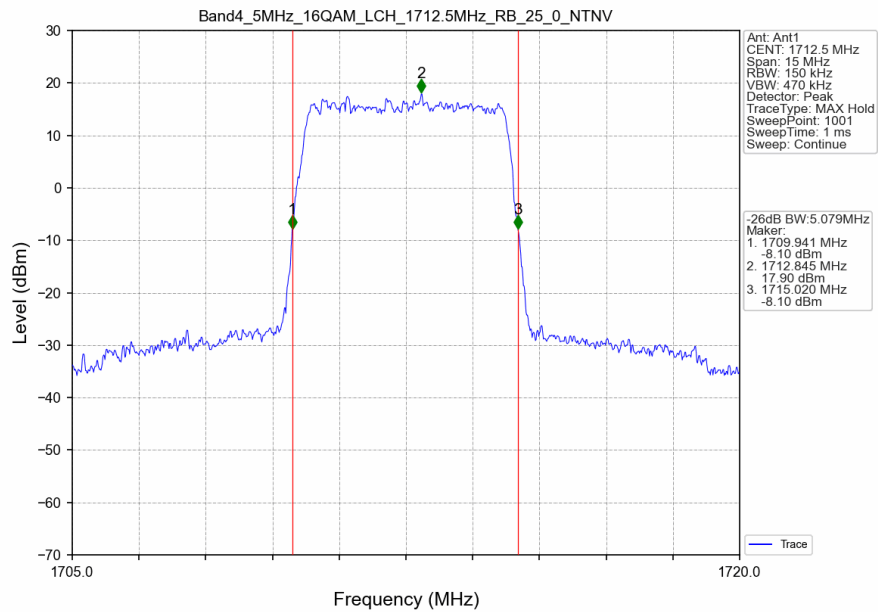
Band4 5MHz QPSK MCH 1732.5MHz RB 25_0 NTNV



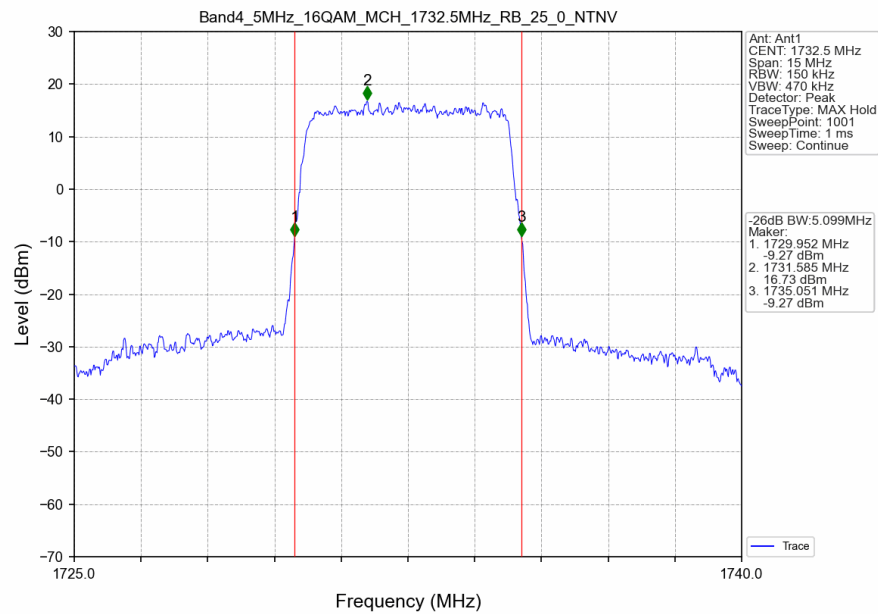
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



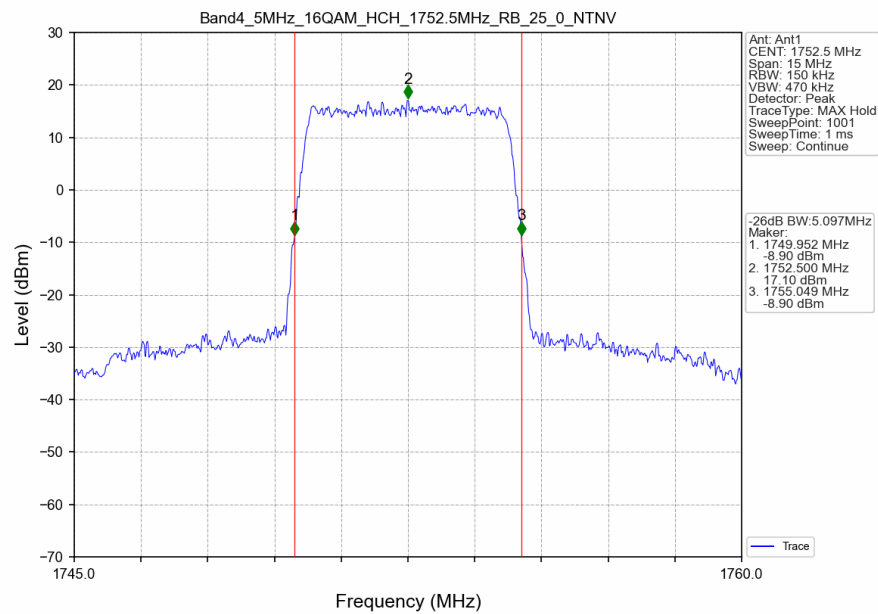
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



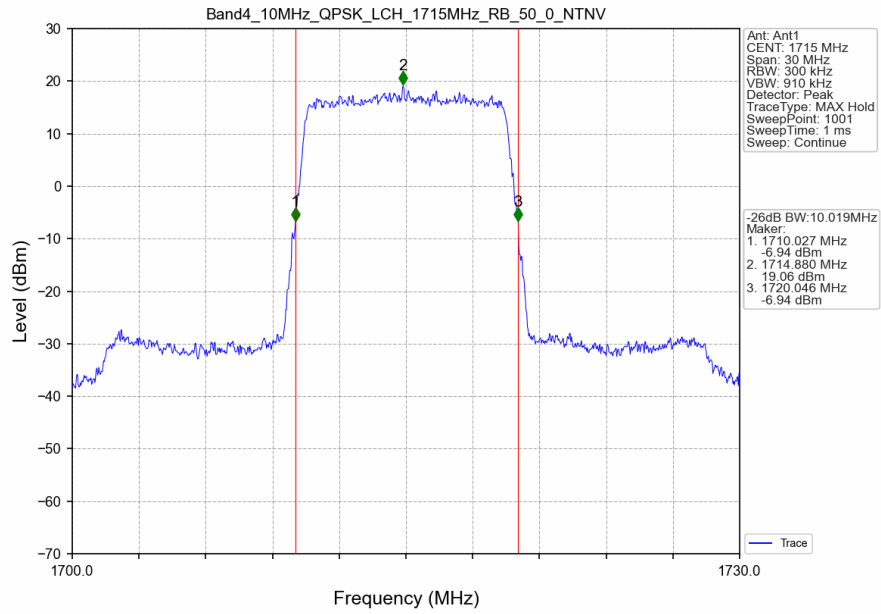
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



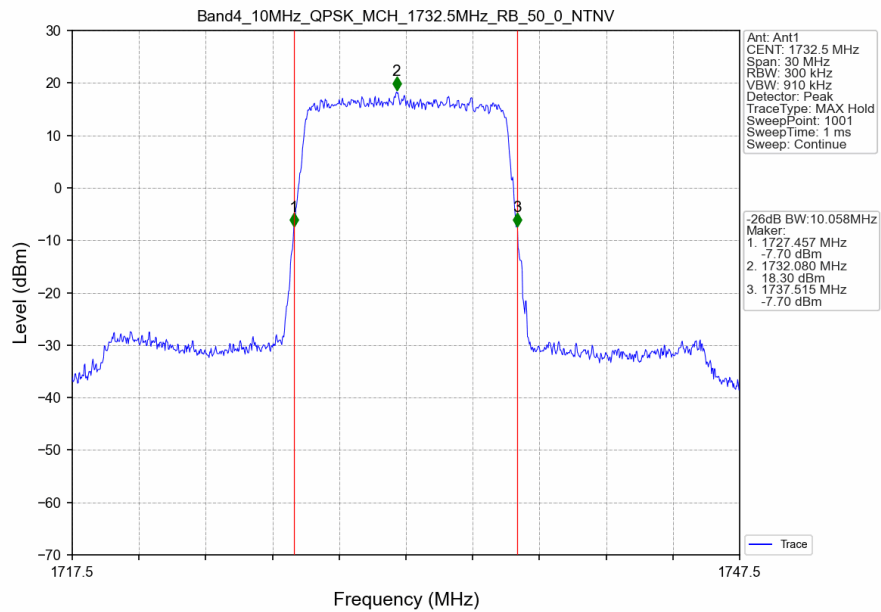
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



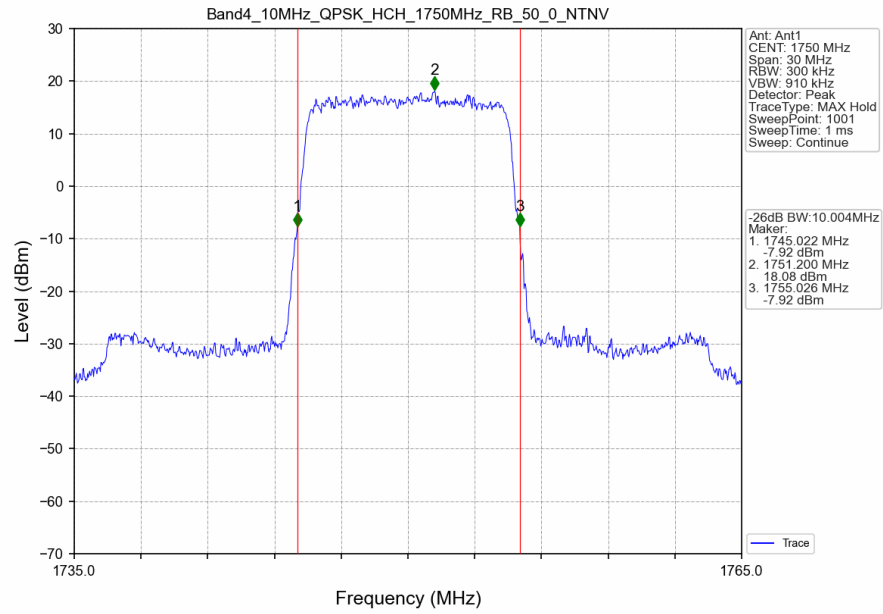
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



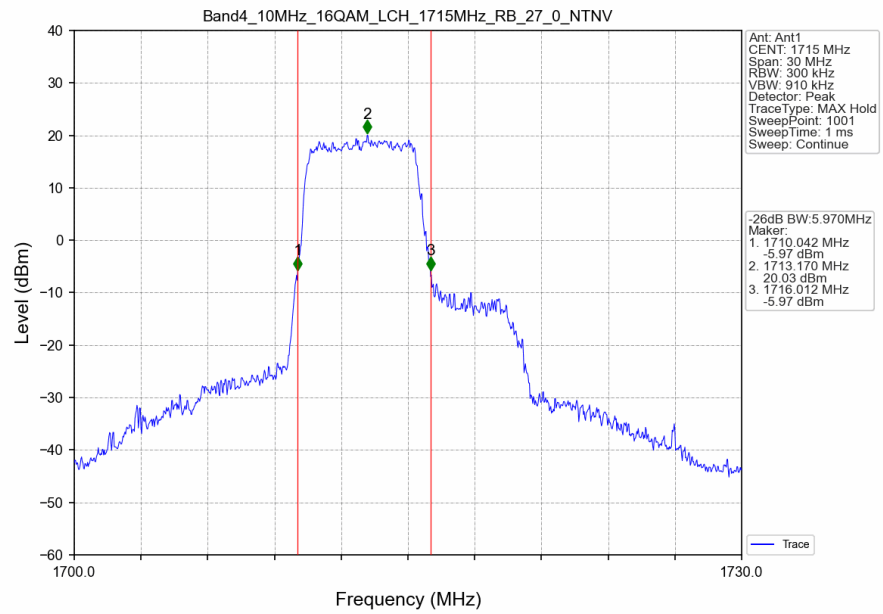
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



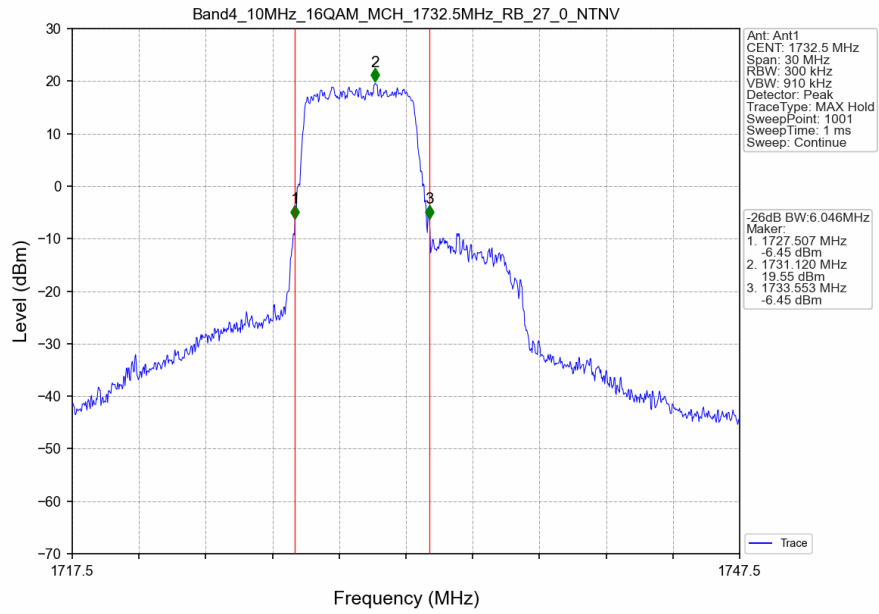
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



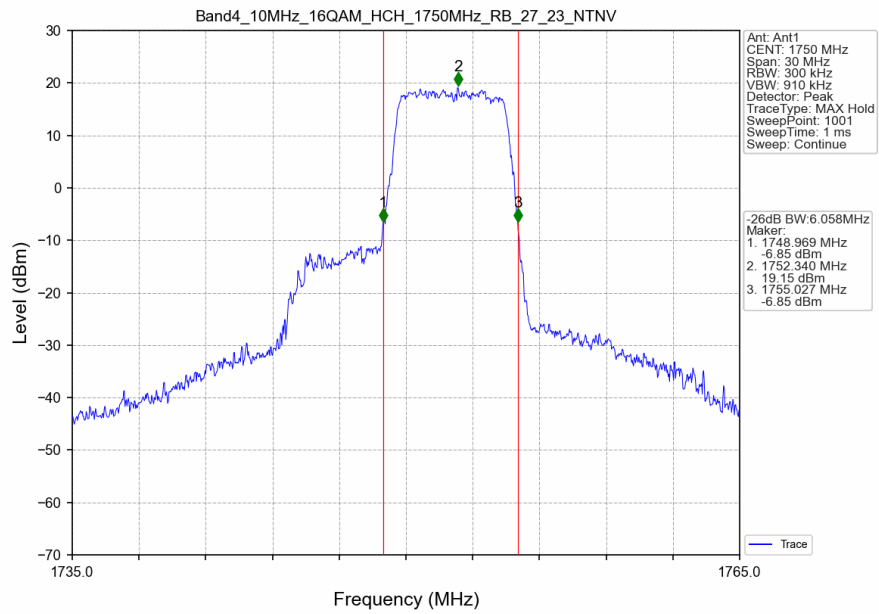
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



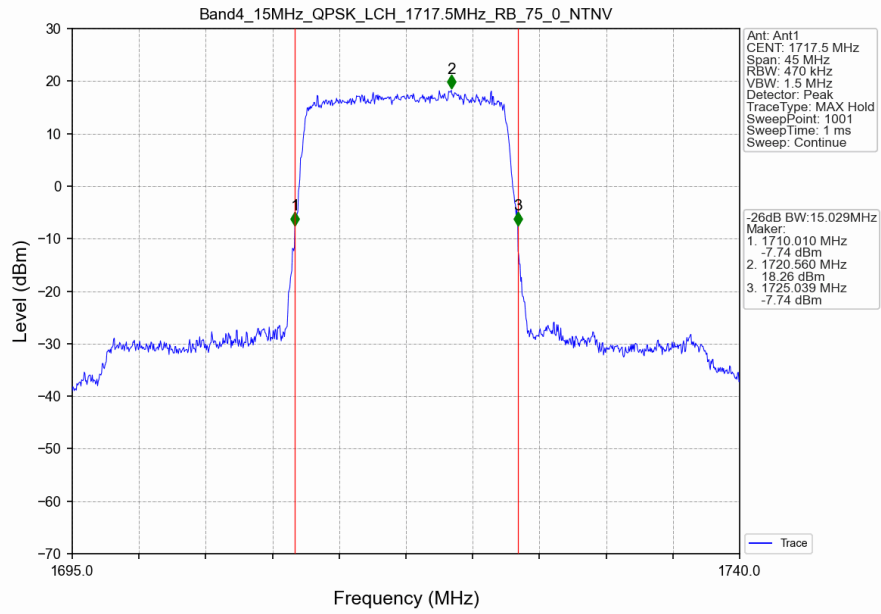
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



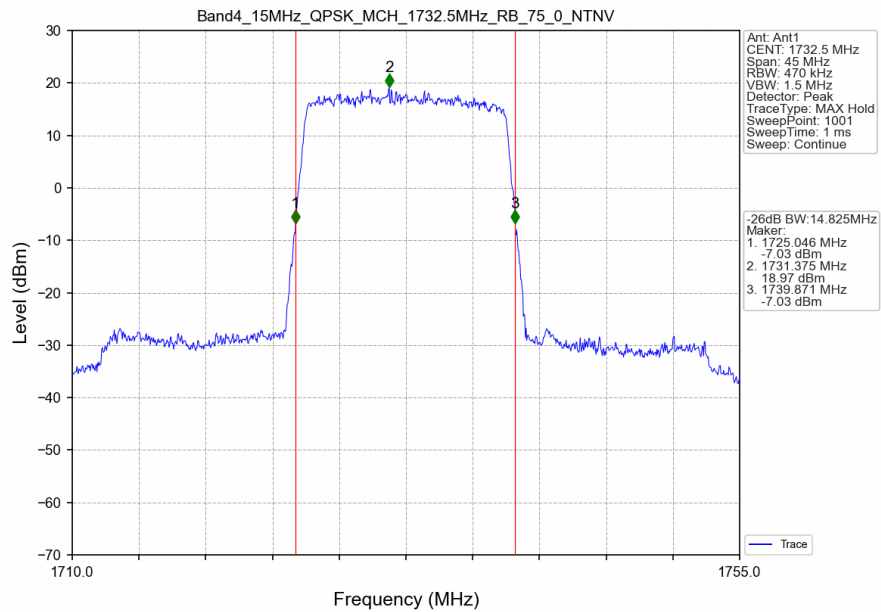
Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



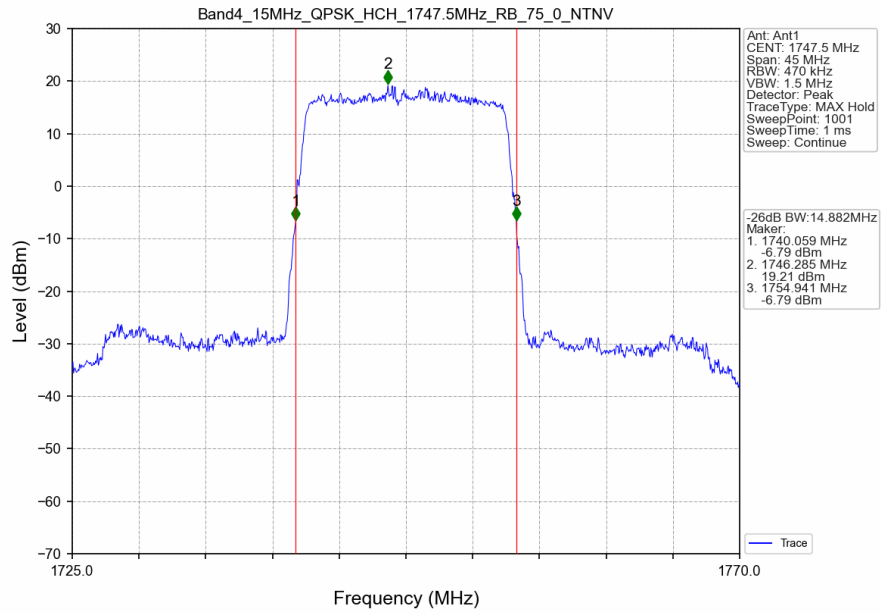
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



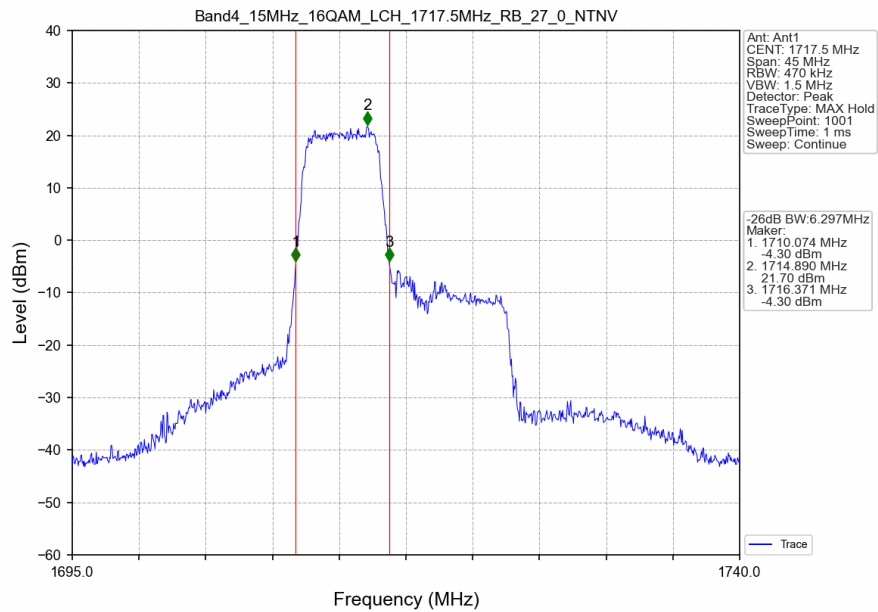
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



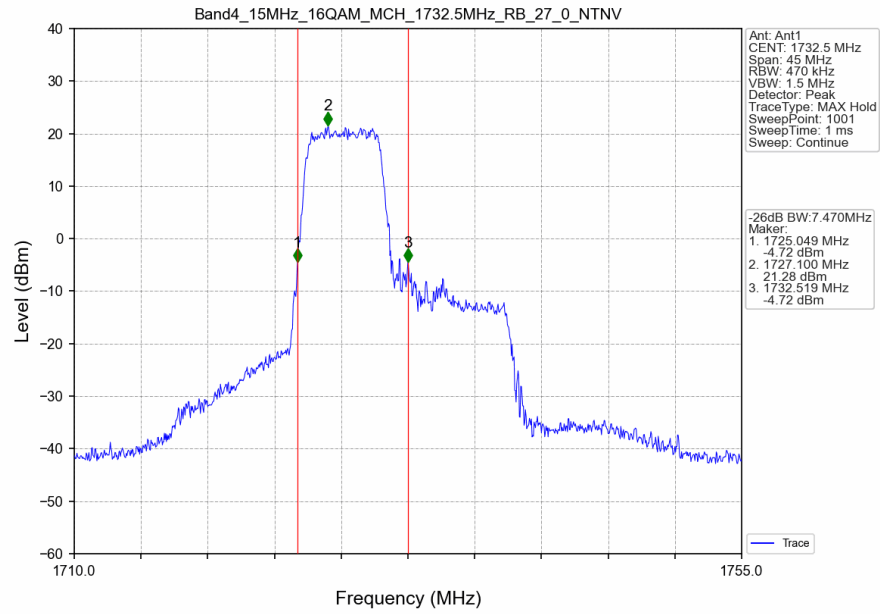
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



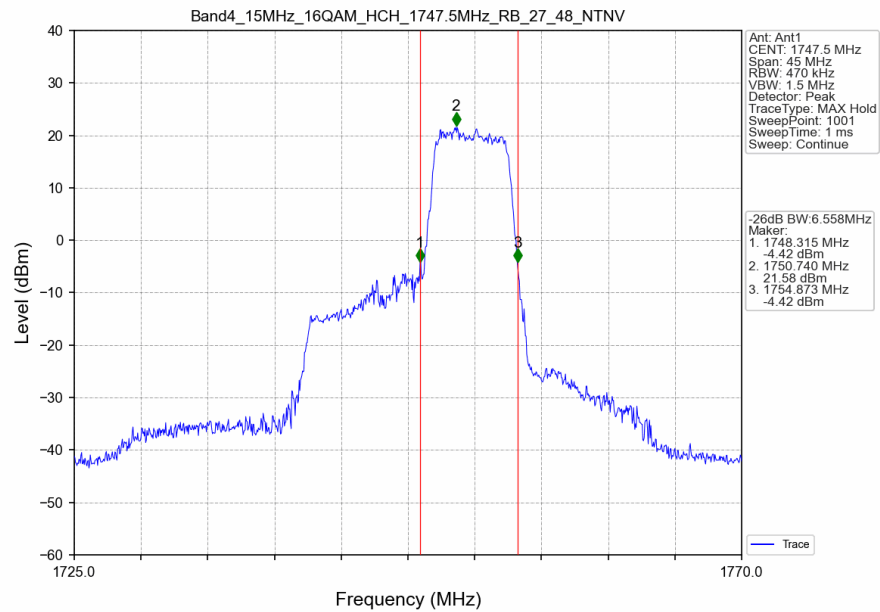
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



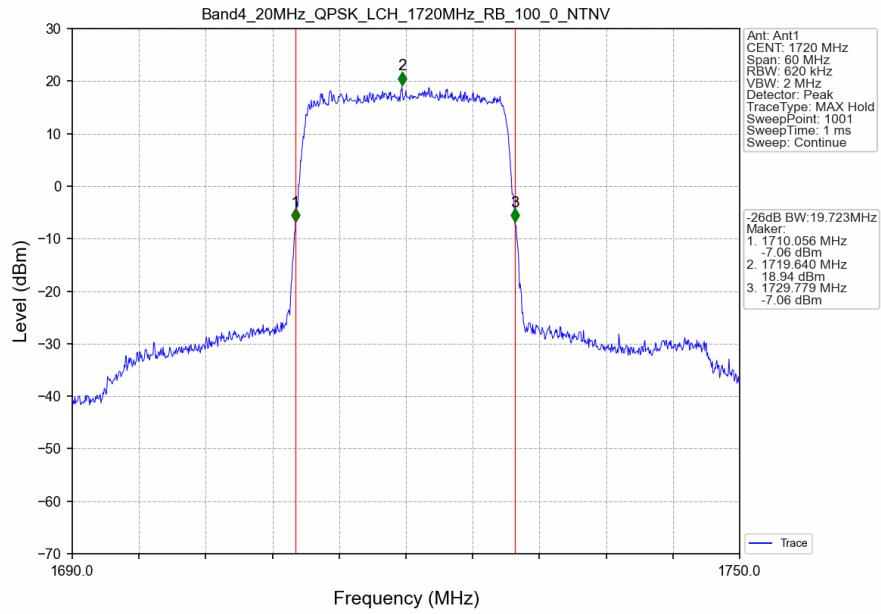
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



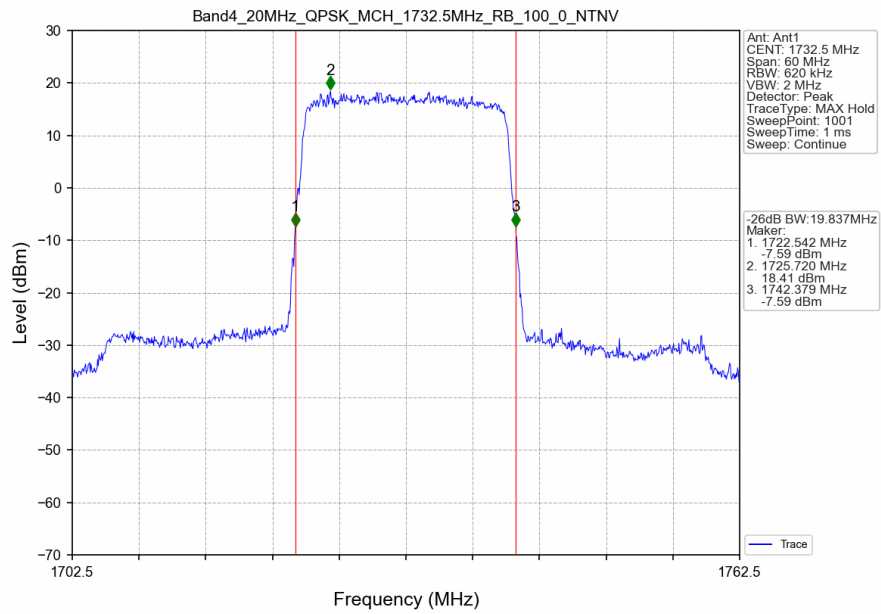
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



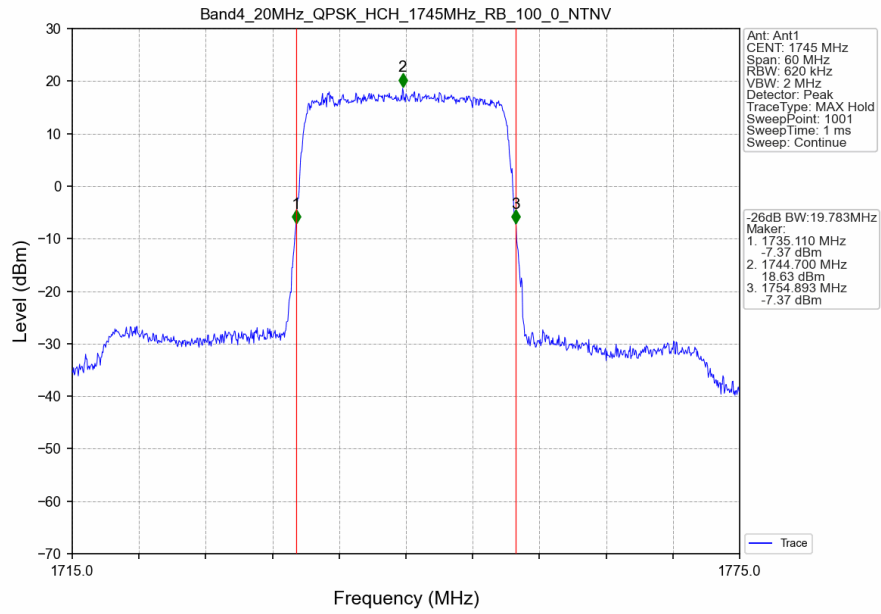
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



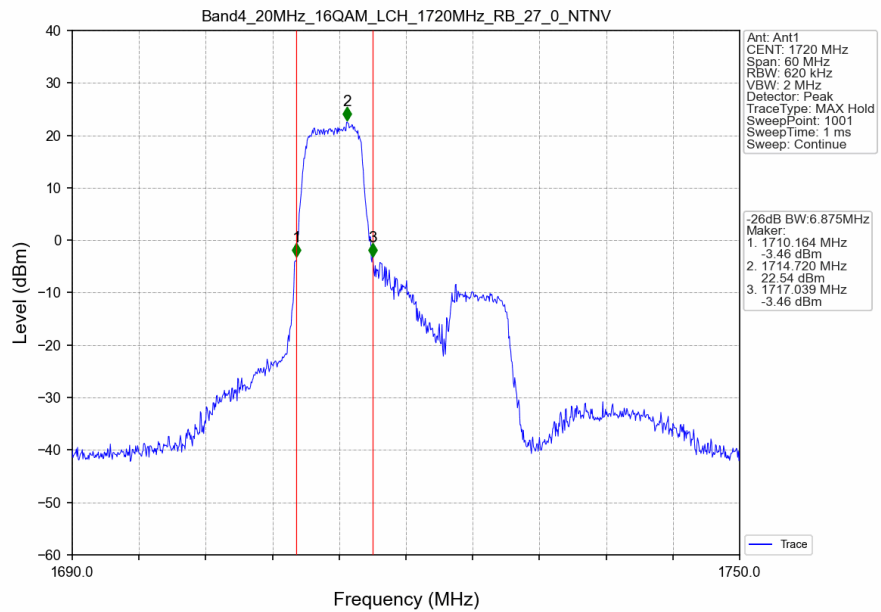
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



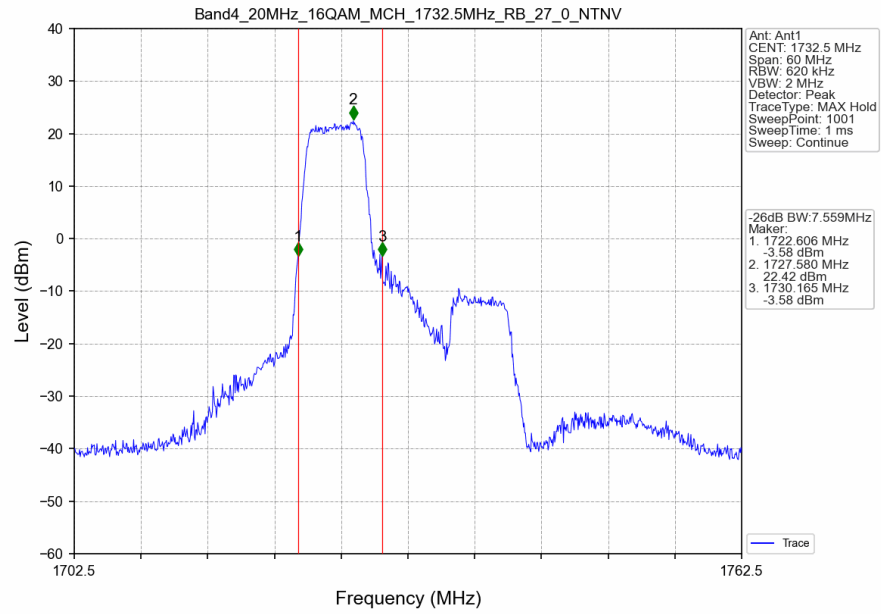
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



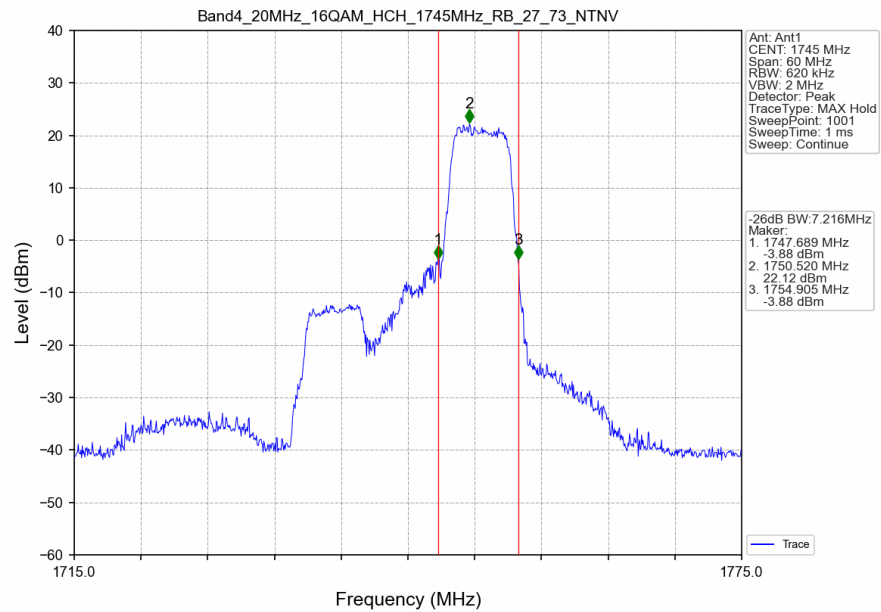
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV



4. Peak-Average Ratio

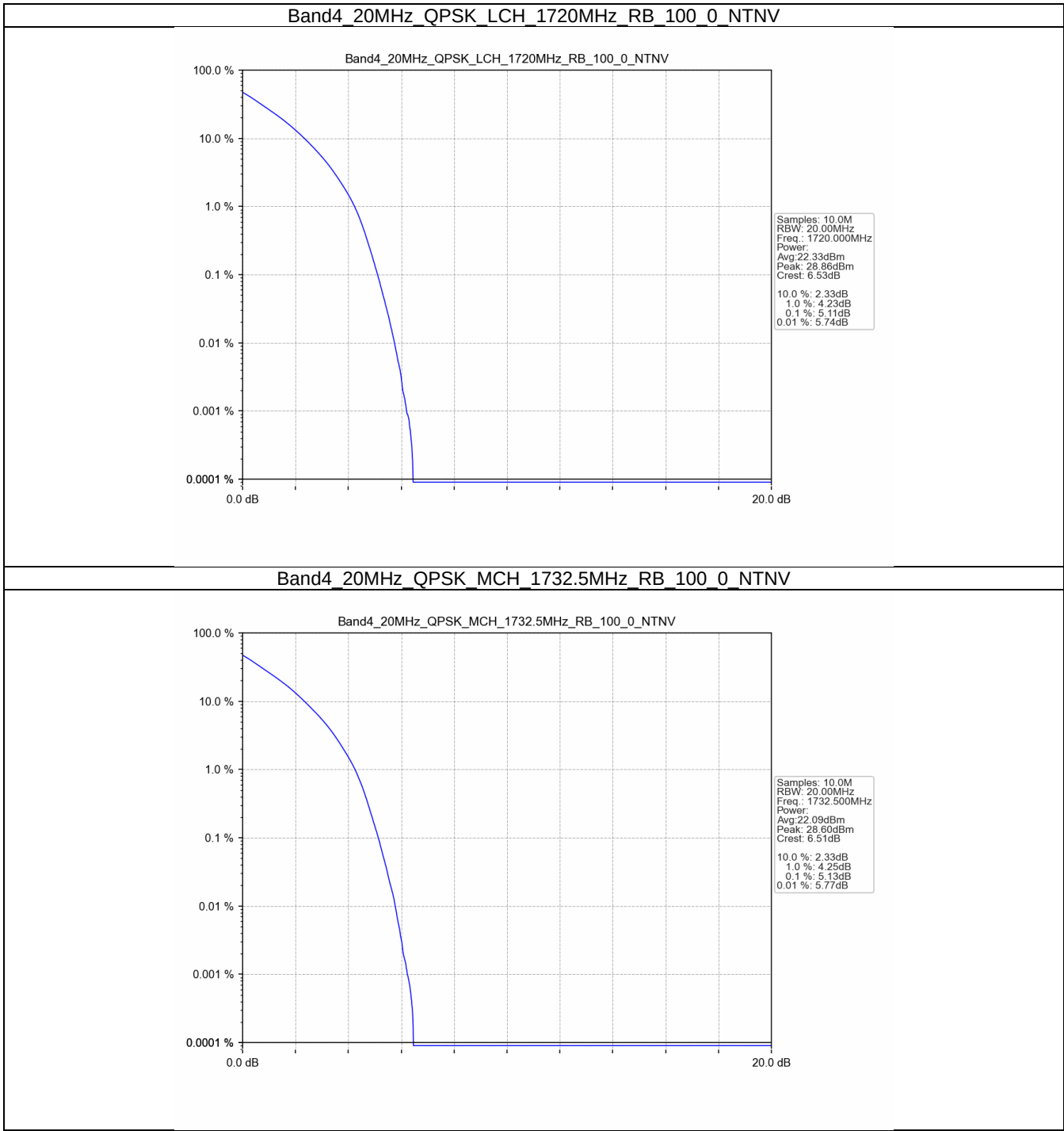
4.1 Test Result

4.1.1 B4_20MHz

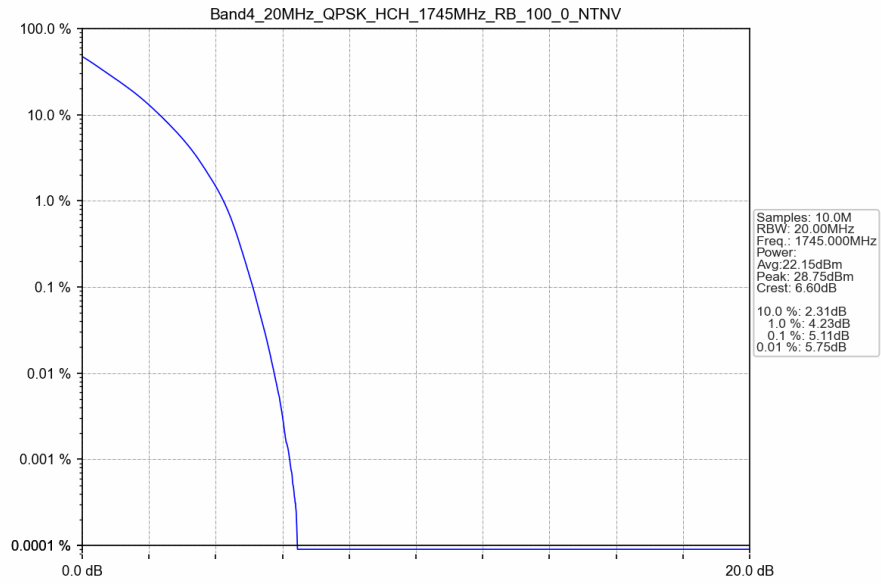
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.11	<=13	Pass
	1732.5	100	0	5.13	<=13	Pass
	1745	100	0	5.11	<=13	Pass
16QAM	1720	27	0	5.69	<=13	Pass
	1732.5	27	0	5.73	<=13	Pass
	1745	27	73	5.66	<=13	Pass

4.2 Test Graph

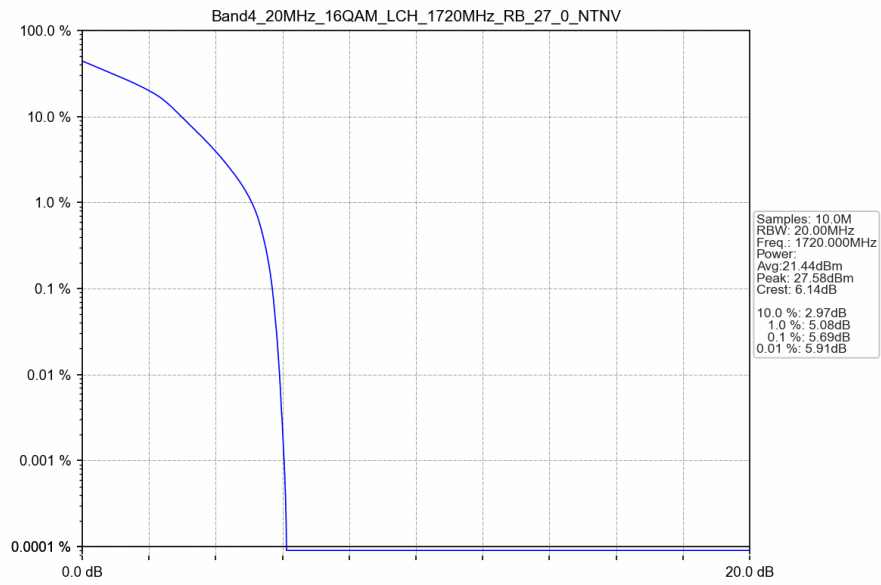
4.2.1 B4_20MHz



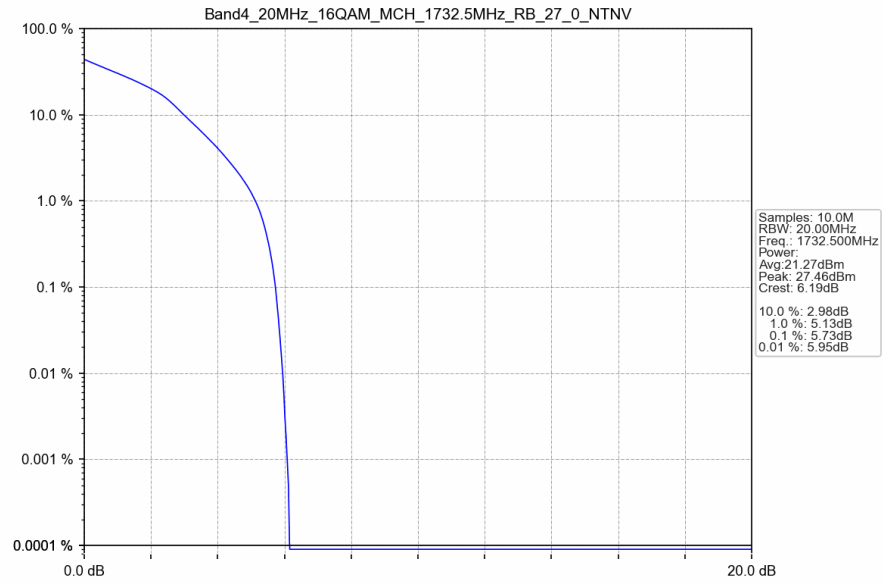
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



Band4 20MHz 16QAM MCH 1732.5MHz RB 27 0 NTN



Band4 20MHz 16QAM HCH 1745MHz RB 27 73 NTN

