

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	23.22	0.51	23.73	<=30	Pass
			2	23.35	0.51	23.86	<=30	Pass
			5	23.22	0.51	23.73	<=30	Pass
		3	0	23.29	0.51	23.80	<=30	Pass
			2	23.33	0.51	23.84	<=30	Pass
			3	23.08	0.51	23.59	<=30	Pass
		6	0	21.86	0.51	22.37	<=30	Pass
	1732.5	1	0	22.68	0.51	23.19	<=30	Pass
			2	22.80	0.51	23.31	<=30	Pass
			5	22.67	0.51	23.18	<=30	Pass
		3	0	22.82	0.51	23.33	<=30	Pass
			2	22.81	0.51	23.32	<=30	Pass
			3	22.82	0.51	23.33	<=30	Pass
		6	0	21.71	0.51	22.22	<=30	Pass
	1754.3	1	0	22.53	0.51	23.04	<=30	Pass
			2	22.67	0.51	23.18	<=30	Pass
			5	22.52	0.51	23.03	<=30	Pass
		3	0	22.46	0.51	22.97	<=30	Pass
			2	22.51	0.51	23.02	<=30	Pass
			3	22.45	0.51	22.96	<=30	Pass
		6	0	21.66	0.51	22.17	<=30	Pass
16QAM	1710.7	1	0	21.69	0.51	22.20	<=30	Pass
			2	21.77	0.51	22.28	<=30	Pass
			5	21.72	0.51	22.23	<=30	Pass
		3	0	21.96	0.51	22.47	<=30	Pass
			2	21.98	0.51	22.49	<=30	Pass
			3	21.96	0.51	22.47	<=30	Pass
		6	0	20.81	0.51	21.32	<=30	Pass
	1732.5	1	0	21.72	0.51	22.23	<=30	Pass
			2	21.82	0.51	22.33	<=30	Pass
			5	21.80	0.51	22.31	<=30	Pass
		3	0	21.89	0.51	22.40	<=30	Pass
			2	21.85	0.51	22.36	<=30	Pass
			3	21.86	0.51	22.37	<=30	Pass
		6	0	20.67	0.51	21.18	<=30	Pass
	1754.3	1	0	21.54	0.51	22.05	<=30	Pass
			2	21.67	0.51	22.18	<=30	Pass
			5	21.52	0.51	22.03	<=30	Pass
		3	0	21.35	0.51	21.86	<=30	Pass
			2	21.40	0.51	21.91	<=30	Pass
			3	21.38	0.51	21.89	<=30	Pass
		6	0	20.53	0.51	21.04	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	22.93	0.51	23.44	<=30	Pass
			7	23.07	0.51	23.58	<=30	Pass
			14	22.94	0.51	23.45	<=30	Pass
		8	0	21.91	0.51	22.42	<=30	Pass
			4	21.96	0.51	22.47	<=30	Pass
			7	21.87	0.51	22.38	<=30	Pass
		15	0	21.84	0.51	22.35	<=30	Pass
	1732.5	1	0	22.76	0.51	23.27	<=30	Pass
			7	22.91	0.51	23.42	<=30	Pass
			14	22.77	0.51	23.28	<=30	Pass
		8	0	21.82	0.51	22.33	<=30	Pass
			4	21.83	0.51	22.34	<=30	Pass
			7	21.80	0.51	22.31	<=30	Pass
		15	0	21.83	0.51	22.34	<=30	Pass
	1753.5	1	0	22.73	0.51	23.24	<=30	Pass
			7	22.76	0.51	23.27	<=30	Pass
			14	22.65	0.51	23.16	<=30	Pass
		8	0	21.70	0.51	22.21	<=30	Pass
			4	21.73	0.51	22.24	<=30	Pass
			7	21.66	0.51	22.17	<=30	Pass
		15	0	21.59	0.51	22.10	<=30	Pass
16QAM	1711.5	1	0	21.91	0.51	22.42	<=30	Pass
			7	21.99	0.51	22.50	<=30	Pass
			14	21.85	0.51	22.36	<=30	Pass
		8	0	20.92	0.51	21.43	<=30	Pass
			4	20.95	0.51	21.46	<=30	Pass
			7	20.89	0.51	21.40	<=30	Pass
		15	0	20.87	0.51	21.38	<=30	Pass
	1732.5	1	0	22.01	0.51	22.52	<=30	Pass
			7	22.12	0.51	22.63	<=30	Pass
			14	21.96	0.51	22.47	<=30	Pass
		8	0	20.81	0.51	21.32	<=30	Pass
			4	20.87	0.51	21.38	<=30	Pass
			7	20.79	0.51	21.30	<=30	Pass
		15	0	20.81	0.51	21.32	<=30	Pass
	1753.5	1	0	22.01	0.51	22.52	<=30	Pass
			7	22.04	0.51	22.55	<=30	Pass
			14	21.89	0.51	22.40	<=30	Pass
		8	0	20.74	0.51	21.25	<=30	Pass
			4	20.77	0.51	21.28	<=30	Pass
			7	20.67	0.51	21.18	<=30	Pass
		15	0	20.61	0.51	21.12	<=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	22.76	0.51	23.27	<=30	Pass
			13	22.90	0.51	23.41	<=30	Pass
			24	22.73	0.51	23.24	<=30	Pass
		12	0	21.74	0.51	22.25	<=30	Pass
			6	21.86	0.51	22.37	<=30	Pass
			13	21.88	0.51	22.39	<=30	Pass
		25	0	21.79	0.51	22.30	<=30	Pass
	1732.5	1	0	22.60	0.51	23.11	<=30	Pass
			13	22.76	0.51	23.27	<=30	Pass
			24	22.66	0.51	23.17	<=30	Pass
		12	0	21.73	0.51	22.24	<=30	Pass
			6	21.78	0.51	22.29	<=30	Pass
			13	21.74	0.51	22.25	<=30	Pass
		25	0	21.74	0.51	22.25	<=30	Pass
	1752.5	1	0	22.54	0.51	23.05	<=30	Pass
			13	22.66	0.51	23.17	<=30	Pass
			24	22.48	0.51	22.99	<=30	Pass
		12	0	21.53	0.51	22.04	<=30	Pass
			6	21.60	0.51	22.11	<=30	Pass
			13	21.53	0.51	22.04	<=30	Pass
		25	0	21.50	0.51	22.01	<=30	Pass
16QAM	1712.5	1	0	21.83	0.51	22.34	<=30	Pass
			13	21.93	0.51	22.44	<=30	Pass
			24	21.83	0.51	22.34	<=30	Pass
		12	0	20.67	0.51	21.18	<=30	Pass
			6	20.78	0.51	21.29	<=30	Pass
			13	20.77	0.51	21.28	<=30	Pass
		25	0	20.72	0.51	21.23	<=30	Pass
	1732.5	1	0	21.98	0.51	22.49	<=30	Pass
			13	22.07	0.51	22.58	<=30	Pass
			24	21.93	0.51	22.44	<=30	Pass
		12	0	20.80	0.51	21.31	<=30	Pass
			6	20.82	0.51	21.33	<=30	Pass
	25	0	20.76	0.51	21.27	<=30	Pass	
	1752.5	1	0	21.32	0.51	21.83	<=30	Pass
			13	21.41	0.51	21.92	<=30	Pass
			24	21.22	0.51	21.73	<=30	Pass
		12	0	20.49	0.51	21.00	<=30	Pass
			6	20.53	0.51	21.04	<=30	Pass
13		20.48	0.51	20.99	<=30	Pass		
25		0	20.51	0.51	21.02	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1715	1	0	22.74	0.51	23.25	<=30	Pass	
			25	22.95	0.51	23.46	<=30	Pass	
			49	22.67	0.51	23.18	<=30	Pass	
		25	0	21.71	0.51	22.22	<=30	Pass	
			13	21.80	0.51	22.31	<=30	Pass	
			25	21.76	0.51	22.27	<=30	Pass	
		50	0	21.74	0.51	22.25	<=30	Pass	
		1732.5	1	0	22.69	0.51	23.20	<=30	Pass
				25	22.89	0.51	23.40	<=30	Pass
	49			22.68	0.51	23.19	<=30	Pass	
	25		0	21.86	0.51	22.37	<=30	Pass	
			13	21.77	0.51	22.28	<=30	Pass	
			25	21.75	0.51	22.26	<=30	Pass	
	50		0	21.81	0.51	22.32	<=30	Pass	
	1750		1	0	22.60	0.51	23.11	<=30	Pass
				25	22.85	0.51	23.36	<=30	Pass
		49		22.50	0.51	23.01	<=30	Pass	
		25	0	21.65	0.51	22.16	<=30	Pass	
			13	21.64	0.51	22.15	<=30	Pass	
			25	21.61	0.51	22.12	<=30	Pass	
		50	0	21.63	0.51	22.14	<=30	Pass	
16QAM		1715	1	0	22.21	0.51	22.72	<=30	Pass
				25	22.40	0.51	22.91	<=30	Pass
	49			22.21	0.51	22.72	<=30	Pass	
	25		0	20.72	0.51	21.23	<=30	Pass	
			13	20.83	0.51	21.34	<=30	Pass	
			25	20.83	0.51	21.34	<=30	Pass	
	50		0	20.74	0.51	21.25	<=30	Pass	
	1732.5		1	0	21.74	0.51	22.25	<=30	Pass
				25	21.96	0.51	22.47	<=30	Pass
		49		21.72	0.51	22.23	<=30	Pass	
		25	0	20.95	0.51	21.46	<=30	Pass	
			13	20.92	0.51	21.43	<=30	Pass	
			25	20.87	0.51	21.38	<=30	Pass	
		50	0	20.89	0.51	21.40	<=30	Pass	
		1750	1	0	21.74	0.51	22.25	<=30	Pass
				25	21.89	0.51	22.40	<=30	Pass
	49			21.53	0.51	22.04	<=30	Pass	
	25		0	20.60	0.51	21.11	<=30	Pass	
			13	20.64	0.51	21.15	<=30	Pass	
			25	20.59	0.51	21.10	<=30	Pass	
	50		0	20.61	0.51	21.12	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	22.68	0.51	23.19	<=30	Pass
			38	22.79	0.51	23.30	<=30	Pass
			74	22.55	0.51	23.06	<=30	Pass
		36	0	21.84	0.51	22.35	<=30	Pass
			18	21.89	0.51	22.40	<=30	Pass
			39	21.80	0.51	22.31	<=30	Pass
		75	0	21.76	0.51	22.27	<=30	Pass
	1732.5	1	0	22.66	0.51	23.17	<=30	Pass
			38	22.77	0.51	23.28	<=30	Pass
			74	22.56	0.51	23.07	<=30	Pass
		36	0	21.92	0.51	22.43	<=30	Pass
			18	21.84	0.51	22.35	<=30	Pass
			39	21.79	0.51	22.30	<=30	Pass
		75	0	21.83	0.51	22.34	<=30	Pass
	1747.5	1	0	22.53	0.51	23.04	<=30	Pass
			38	22.70	0.51	23.21	<=30	Pass
			74	22.43	0.51	22.94	<=30	Pass
		36	0	21.79	0.51	22.30	<=30	Pass
			18	21.82	0.51	22.33	<=30	Pass
			39	21.79	0.51	22.30	<=30	Pass
		75	0	21.77	0.51	22.28	<=30	Pass
16QAM	1717.5	1	0	21.96	0.51	22.47	<=30	Pass
			38	22.15	0.51	22.66	<=30	Pass
			74	22.01	0.51	22.52	<=30	Pass
		36	0	20.73	0.51	21.24	<=30	Pass
			18	20.80	0.51	21.31	<=30	Pass
			39	20.71	0.51	21.22	<=30	Pass
		75	0	20.72	0.51	21.23	<=30	Pass
	1732.5	1	0	21.83	0.51	22.34	<=30	Pass
			38	21.97	0.51	22.48	<=30	Pass
			74	21.74	0.51	22.25	<=30	Pass
		36	0	20.86	0.51	21.37	<=30	Pass
			18	20.84	0.51	21.35	<=30	Pass
			39	20.76	0.51	21.27	<=30	Pass
		75	0	20.83	0.51	21.34	<=30	Pass
	1747.5	1	0	22.13	0.51	22.64	<=30	Pass
			38	22.12	0.51	22.63	<=30	Pass
			74	21.72	0.51	22.23	<=30	Pass
		36	0	20.74	0.51	21.25	<=30	Pass
			18	20.73	0.51	21.24	<=30	Pass
			39	20.70	0.51	21.21	<=30	Pass
		75	0	20.71	0.51	21.22	<=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	22.55	0.51	23.06	<=30	Pass
			50	22.95	0.51	23.46	<=30	Pass
			99	22.46	0.51	22.97	<=30	Pass
		50	0	21.76	0.51	22.27	<=30	Pass
			25	21.84	0.51	22.35	<=30	Pass
			50	21.63	0.51	22.14	<=30	Pass
		100	0	21.70	0.51	22.21	<=30	Pass
	1732.5	1	0	22.52	0.51	23.03	<=30	Pass
			50	22.90	0.51	23.41	<=30	Pass
			99	22.43	0.51	22.94	<=30	Pass
		50	0	21.93	0.51	22.44	<=30	Pass
			25	21.81	0.51	22.32	<=30	Pass
			50	21.68	0.51	22.19	<=30	Pass
		100	0	21.81	0.51	22.32	<=30	Pass
	1745	1	0	22.43	0.51	22.94	<=30	Pass
			50	22.87	0.51	23.38	<=30	Pass
			99	22.28	0.51	22.79	<=30	Pass
		50	0	21.78	0.51	22.29	<=30	Pass
			25	21.72	0.51	22.23	<=30	Pass
			50	21.62	0.51	22.13	<=30	Pass
		100	0	21.71	0.51	22.22	<=30	Pass
16QAM	1720	1	0	22.01	0.51	22.52	<=30	Pass
			50	22.52	0.51	23.03	<=30	Pass
			99	22.06	0.51	22.57	<=30	Pass
		50	0	20.72	0.51	21.23	<=30	Pass
			25	20.84	0.51	21.35	<=30	Pass
			50	20.62	0.51	21.13	<=30	Pass
		100	0	20.73	0.51	21.24	<=30	Pass
	1732.5	1	0	21.74	0.51	22.25	<=30	Pass
			50	22.15	0.51	22.66	<=30	Pass
			99	21.64	0.51	22.15	<=30	Pass
		50	0	20.96	0.51	21.47	<=30	Pass
			25	20.81	0.51	21.32	<=30	Pass
			50	20.67	0.51	21.18	<=30	Pass
		100	0	20.84	0.51	21.35	<=30	Pass
	1745	1	0	21.76	0.51	22.27	<=30	Pass
			50	22.06	0.51	22.57	<=30	Pass
			99	21.40	0.51	21.91	<=30	Pass
		50	0	20.79	0.51	21.30	<=30	Pass
			25	20.74	0.51	21.25	<=30	Pass
			50	20.66	0.51	21.17	<=30	Pass
		100	0	20.75	0.51	21.26	<=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	-7.038	-0.0041	-2.5 to 2.5	Pass
					3.85	1.645	0.0010	-2.5 to 2.5	Pass
					4.43	-7.725	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	3.433	0.0020	-2.5 to 2.5	Pass
				-20	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-11.559	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-12.717	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-14.663	-0.0086	-2.5 to 2.5	Pass
				30	3.85	8.283	0.0048	-2.5 to 2.5	Pass
				40	3.85	-5.736	-0.0034	-2.5 to 2.5	Pass
				50	3.85	2.832	0.0017	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	7.524	0.0043	-2.5 to 2.5	Pass
					3.85	-5.865	-0.0034	-2.5 to 2.5	Pass
					4.43	4.048	0.0023	-2.5 to 2.5	Pass
				-30	3.85	4.478	0.0026	-2.5 to 2.5	Pass
				-20	3.85	-12.918	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	5.207	0.0030	-2.5 to 2.5	Pass
				0	3.85	-11.272	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-6.008	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-5.722	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
				50	3.85	0.644	0.0004	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-7.224	-0.0041	-2.5 to 2.5	Pass
					3.85	2.775	0.0016	-2.5 to 2.5	Pass
					4.43	-8.898	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-5.336	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	7.739	0.0044	-2.5 to 2.5	Pass
				-10	3.85	-9.642	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-17.409	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-16.665	-0.0095	-2.5 to 2.5	Pass
				30	3.85	-12.188	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-11.086	-0.0063	-2.5 to 2.5	Pass
				50	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	0.200	0.0001	-2.5 to 2.5	Pass
					3.85	4.449	0.0026	-2.5 to 2.5	Pass
					4.43	12.102	0.0071	-2.5 to 2.5	Pass
				-30	3.85	-9.112	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-6.824	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
				0	3.85	11.344	0.0066	-2.5 to 2.5	Pass
				10	3.85	-14.362	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-3.047	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-13.604	-0.0080	-2.5 to 2.5	Pass
				50	3.85	-7.925	-0.0046	-2.5 to 2.5	Pass

	1732.5	6	0	20	3.27	7.238	0.0042	-2.5 to 2.5	Pass
					3.85	6.394	0.0037	-2.5 to 2.5	Pass
					4.43	-8.440	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-13.504	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-2.346	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	6.852	0.0040	-2.5 to 2.5	Pass
				0	3.85	-13.418	-0.0077	-2.5 to 2.5	Pass
				10	3.85	6.394	0.0037	-2.5 to 2.5	Pass
				30	3.85	-11.787	-0.0068	-2.5 to 2.5	Pass
				40	3.85	1.316	0.0008	-2.5 to 2.5	Pass
				50	3.85	5.322	0.0031	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-14.205	-0.0081	-2.5 to 2.5	Pass
					3.85	-15.163	-0.0086	-2.5 to 2.5	Pass
					4.43	-15.593	-0.0089	-2.5 to 2.5	Pass
				-30	3.85	-8.254	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-11.101	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-9.384	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-10.357	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-18.125	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-8.283	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-6.781	-0.0039	-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	-7.567	-0.0044	-2.5 to 2.5	Pass
					3.85	-11.973	-0.0070	-2.5 to 2.5	Pass
					4.43	-2.918	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-18.225	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	6.552	0.0038	-2.5 to 2.5	Pass
				-10	3.85	-11.358	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-7.052	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-12.102	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-2.832	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.174	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-5.994	-0.0035	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-6.323	-0.0036	-2.5 to 2.5	Pass
					3.85	-13.819	-0.0080	-2.5 to 2.5	Pass
					4.43	2.031	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-12.503	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-9.012	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-5.221	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-8.097	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-14.048	-0.0081	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-15.306	-0.0087	-2.5 to 2.5	Pass

					3.85	7.682	0.0044	-2.5 to 2.5	Pass
					4.43	2.203	0.0013	-2.5 to 2.5	Pass
				-30	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-11.544	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-3.762	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-5.536	-0.0032	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	1.659	0.0010	-2.5 to 2.5	Pass
					3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
					4.43	-15.192	-0.0089	-2.5 to 2.5	Pass
				-30	3.85	-11.058	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-19.512	-0.0114	-2.5 to 2.5	Pass
				-10	3.85	-11.301	-0.0066	-2.5 to 2.5	Pass
				0	3.85	4.520	0.0026	-2.5 to 2.5	Pass
				10	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				40	3.85	-9.284	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-12.045	-0.0070	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-5.894	-0.0034	-2.5 to 2.5	Pass
					3.85	4.191	0.0024	-2.5 to 2.5	Pass
					4.43	-14.849	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-8.969	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-10.042	-0.0058	-2.5 to 2.5	Pass
				0	3.85	10.500	0.0061	-2.5 to 2.5	Pass
				10	3.85	-10.443	-0.0060	-2.5 to 2.5	Pass
				30	3.85	5.980	0.0035	-2.5 to 2.5	Pass
				40	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
				50	3.85	8.941	0.0052	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-14.505	-0.0083	-2.5 to 2.5	Pass
					3.85	-10.586	-0.0060	-2.5 to 2.5	Pass
					4.43	-10.872	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	6.423	0.0037	-2.5 to 2.5	Pass
				-20	3.85	-6.881	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-8.154	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-11.086	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-4.349	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-13.218	-0.0075	-2.5 to 2.5	Pass
				40	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass

2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-5.679	-0.0033	-2.5 to 2.5	Pass
					3.85	2.403	0.0014	-2.5 to 2.5	Pass

					4.43	-6.409	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	3.233	0.0019	-2.5 to 2.5	Pass
				-20	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				-10	3.85	2.861	0.0017	-2.5 to 2.5	Pass
				0	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				10	3.85	2.561	0.0015	-2.5 to 2.5	Pass
				30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-8.841	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-9.627	-0.0056	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-3.562	-0.0021	-2.5 to 2.5	Pass
					3.85	-15.092	-0.0087	-2.5 to 2.5	Pass
					4.43	-10.357	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-15.879	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	7.310	0.0042	-2.5 to 2.5	Pass
				-10	3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-16.150	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-15.006	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-5.465	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-8.554	-0.0049	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-7.224	-0.0041	-2.5 to 2.5	Pass
					3.85	-12.074	-0.0069	-2.5 to 2.5	Pass
					4.43	-12.789	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-13.304	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-5.794	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-15.492	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-13.247	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-7.596	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-9.856	-0.0056	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	6.924	0.0040	-2.5 to 2.5	Pass
					3.85	1.116	0.0007	-2.5 to 2.5	Pass
					4.43	4.034	0.0024	-2.5 to 2.5	Pass
				-30	3.85	0.701	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-7.267	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	2.160	0.0013	-2.5 to 2.5	Pass
				0	3.85	-10.142	-0.0059	-2.5 to 2.5	Pass
				10	3.85	1.802	0.0011	-2.5 to 2.5	Pass
				30	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-4.435	-0.0026	-2.5 to 2.5	Pass
					3.85	-5.264	-0.0030	-2.5 to 2.5	Pass
					4.43	-2.689	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				-20	3.85	2.174	0.0013	-2.5 to 2.5	Pass
				-10	3.85	6.924	0.0040	-2.5 to 2.5	Pass
				0	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-8.612	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-13.790	-0.0080	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-8.183	-0.0047	-2.5 to 2.5	Pass
					3.85	-6.638	-0.0038	-2.5 to 2.5	Pass

					4.43	3.047	0.0017	-2.5 to 2.5	Pass
				-30	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-7.010	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				0	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.875	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-6.351	-0.0036	-2.5 to 2.5	Pass
				40	3.85	4.134	0.0024	-2.5 to 2.5	Pass
				50	3.85	-9.527	-0.0054	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-7.997	-0.0047	-2.5 to 2.5	Pass
					3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
					4.43	-3.862	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-6.008	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-7.210	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-3.862	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-6.967	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-7.925	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-7.296	-0.0043	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-4.406	-0.0025	-2.5 to 2.5	Pass
					3.85	-7.296	-0.0042	-2.5 to 2.5	Pass
					4.43	-7.768	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
				0	3.85	4.249	0.0025	-2.5 to 2.5	Pass
				10	3.85	-12.131	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-7.596	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-6.680	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-9.427	-0.0054	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-8.340	-0.0048	-2.5 to 2.5	Pass
					3.85	-5.651	-0.0032	-2.5 to 2.5	Pass
					4.43	-5.121	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-4.320	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-6.309	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-3.047	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-3.190	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.390	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-4.778	-0.0027	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-2.990	-0.0017	-2.5 to 2.5	Pass
					3.85	-5.393	-0.0031	-2.5 to 2.5	Pass
					4.43	-7.038	-0.0041	-2.5 to 2.5	Pass

				-30	3.85	-5.536	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-3.190	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-9.041	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-3.090	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-8.698	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-6.094	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	1.345	0.0008	-2.5 to 2.5	Pass
					3.85	1.473	0.0009	-2.5 to 2.5	Pass
					4.43	-8.512	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-10.929	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-7.868	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-7.324	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				30	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-7.625	-0.0044	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-10.200	-0.0058	-2.5 to 2.5	Pass
					3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
					4.43	-4.120	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-5.465	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-0.787	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-7.439	-0.0043	-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	-3.290	-0.0019	-2.5 to 2.5	Pass
					3.85	-9.828	-0.0057	-2.5 to 2.5	Pass
					4.43	-6.566	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-4.249	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-7.524	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-7.381	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-4.406	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-9.155	-0.0053	-2.5 to 2.5	Pass
					3.85	-5.178	-0.0030	-2.5 to 2.5	Pass
					4.43	-5.808	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass

				-20	3.85	-8.411	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-8.554	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-2.861	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-4.892	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-6.323	-0.0036	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-2.789	-0.0016	-2.5 to 2.5	Pass
					3.85	-6.480	-0.0037	-2.5 to 2.5	Pass
					4.43	-4.706	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-8.683	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-6.509	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-8.111	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-7.124	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-4.807	-0.0028	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-2.961	-0.0017	-2.5 to 2.5	Pass
					3.85	-0.958	-0.0006	-2.5 to 2.5	Pass
					4.43	-6.824	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-1.659	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-7.925	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
				0	3.85	0.916	0.0005	-2.5 to 2.5	Pass
				10	3.85	-3.018	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-4.606	-0.0027	-2.5 to 2.5	Pass
				40	3.85	1.130	0.0007	-2.5 to 2.5	Pass
				50	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-6.609	-0.0038	-2.5 to 2.5	Pass
					3.85	-7.367	-0.0043	-2.5 to 2.5	Pass
					4.43	-8.755	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-6.409	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-9.799	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-3.047	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-6.952	-0.0040	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-6.752	-0.0039	-2.5 to 2.5	Pass
					3.85	-5.593	-0.0032	-2.5 to 2.5	Pass
					4.43	-1.159	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				50	3.85	0.944	0.0005	-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	-3.076	-0.0018	-2.5 to 2.5	Pass
					3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
					4.43	-6.723	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-5.121	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-7.868	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-4.406	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-7.896	-0.0046	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-8.025	-0.0046	-2.5 to 2.5	Pass
					3.85	0.544	0.0003	-2.5 to 2.5	Pass
					4.43	-1.388	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	6.251	0.0036	-2.5 to 2.5	Pass
				-10	3.85	2.747	0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.988	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-6.251	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-3.705	-0.0021	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.662	-0.0021	-2.5 to 2.5	Pass
					3.85	-9.112	-0.0052	-2.5 to 2.5	Pass
					4.43	-0.730	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-7.682	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-4.134	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-9.284	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-7.553	-0.0044	-2.5 to 2.5	Pass
					3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
					4.43	-8.755	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-10.285	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-2.990	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-11.044	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-2.246	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-7.582	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-5.035	-0.0029	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-4.120	-0.0024	-2.5 to 2.5	Pass
					3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
					4.43	-2.761	-0.0016	-2.5 to 2.5	Pass

				-30	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-4.220	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-4.091	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-6.638	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-7.796	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-9.341	-0.0054	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-7.381	-0.0042	-2.5 to 2.5	Pass
					3.85	-6.752	-0.0039	-2.5 to 2.5	Pass
					4.43	-4.449	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-4.463	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-7.982	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-4.563	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-7.911	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-7.768	-0.0045	-2.5 to 2.5	Pass

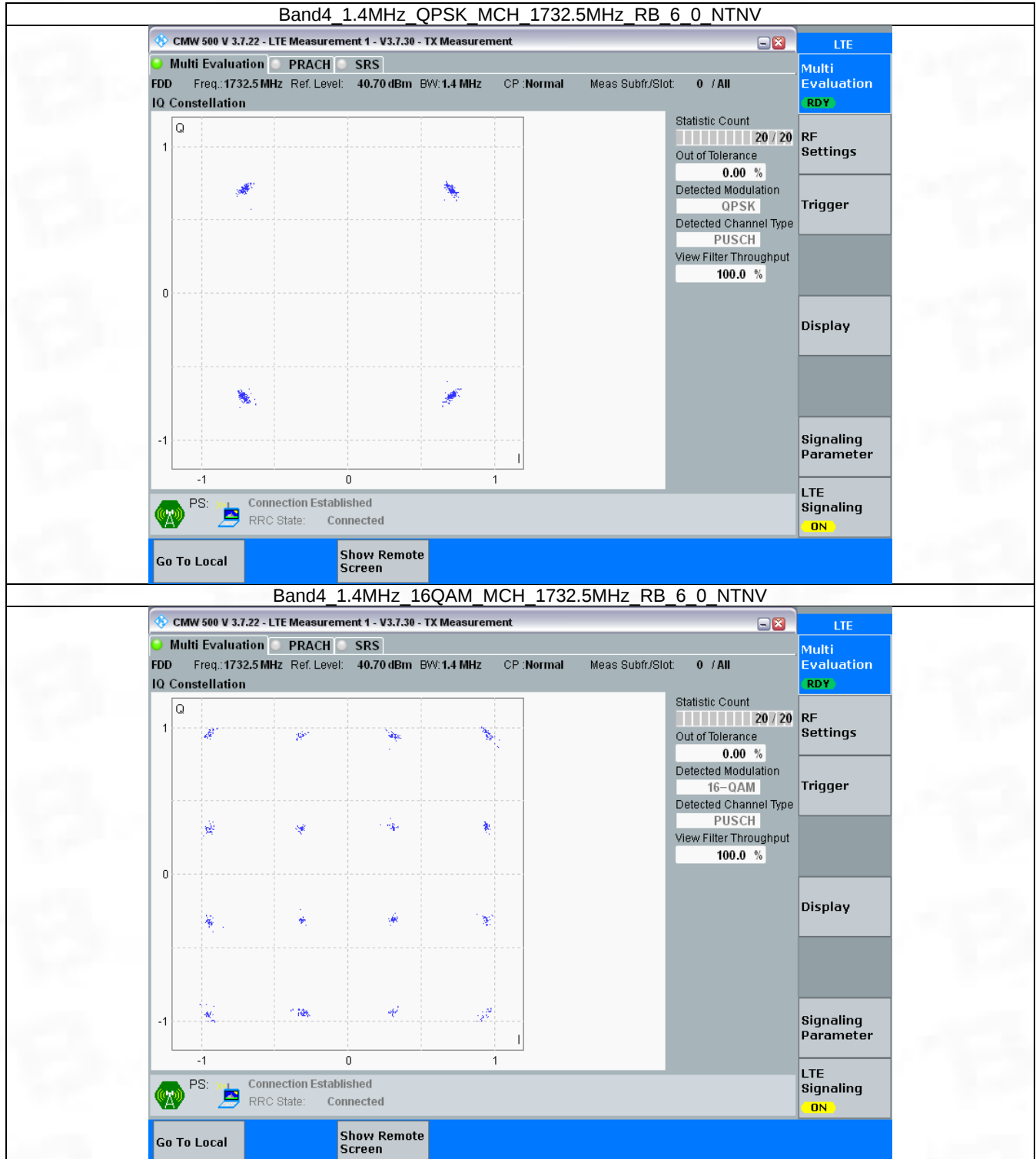
3. Modulation Characteristics

3.1 B4_1.4MHz

3.1.1 Test Result

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

3.1.2 Test Graph

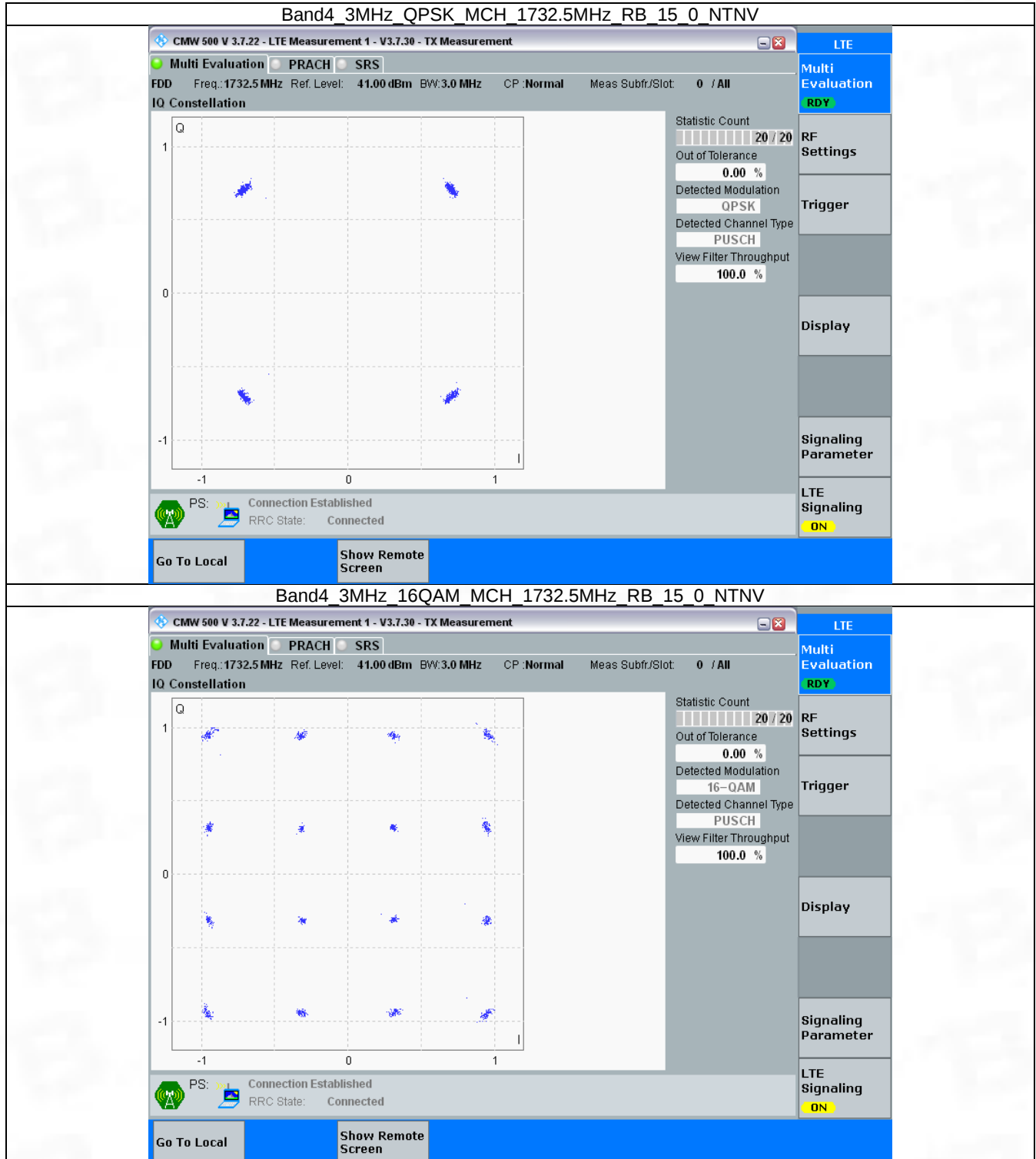


3.2 B4_3MHz

3.2.1 Test Result

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

3.2.2 Test Graph

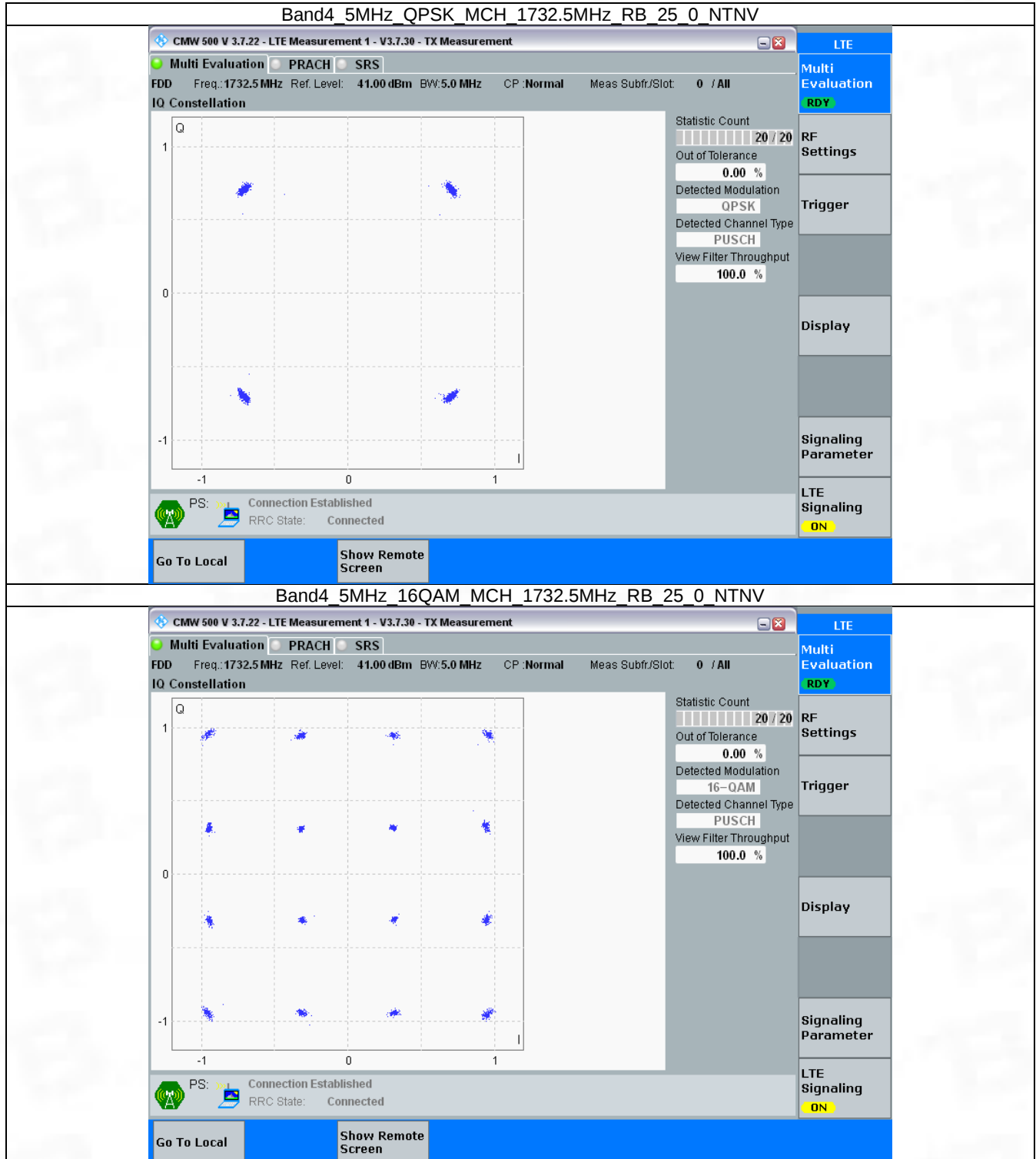


3.3 B4_5MHz

3.3.1 Test Result

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

3.3.2 Test Graph

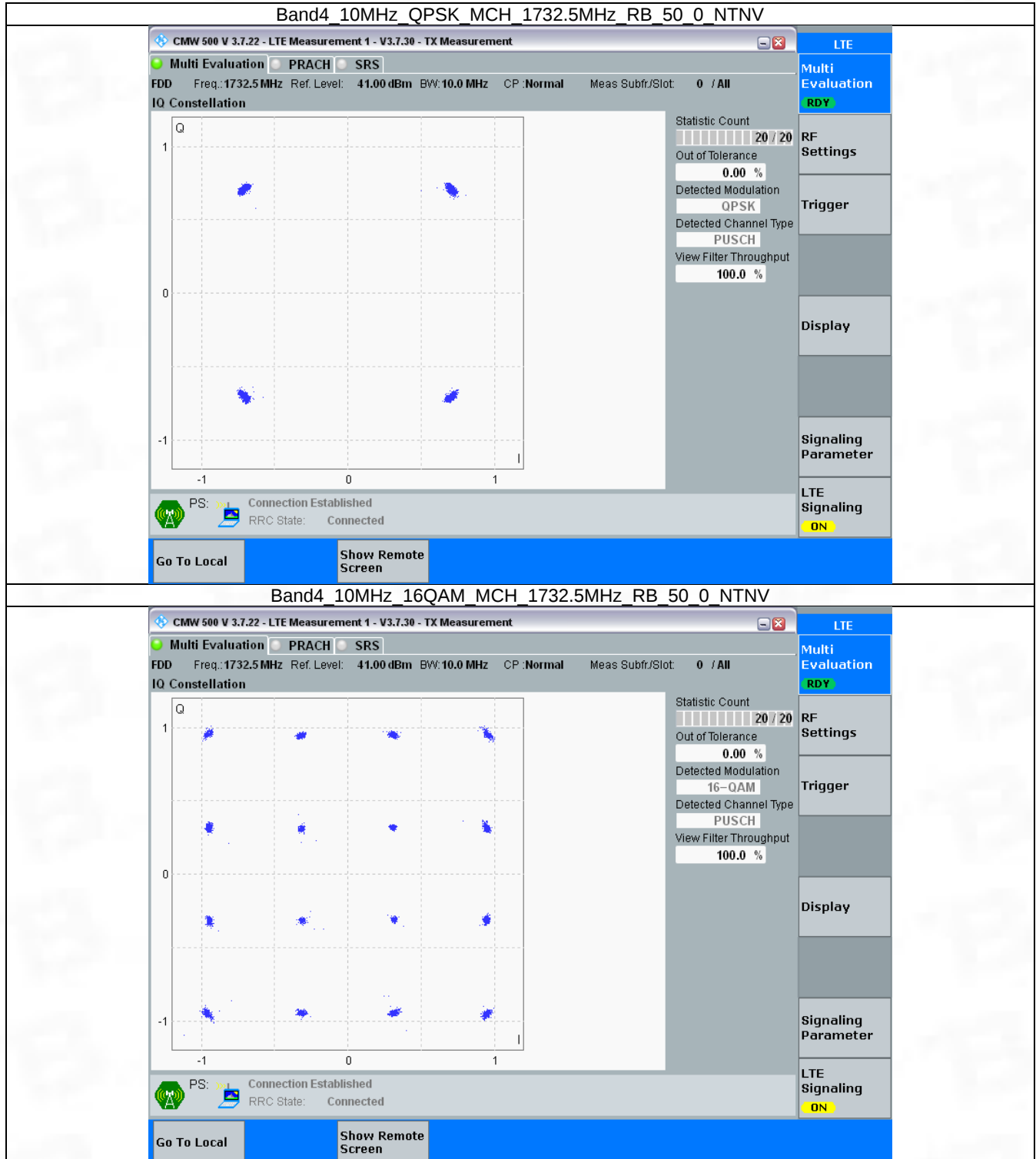


3.4 B4_10MHz

3.4.1 Test Result

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

3.4.2 Test Graph

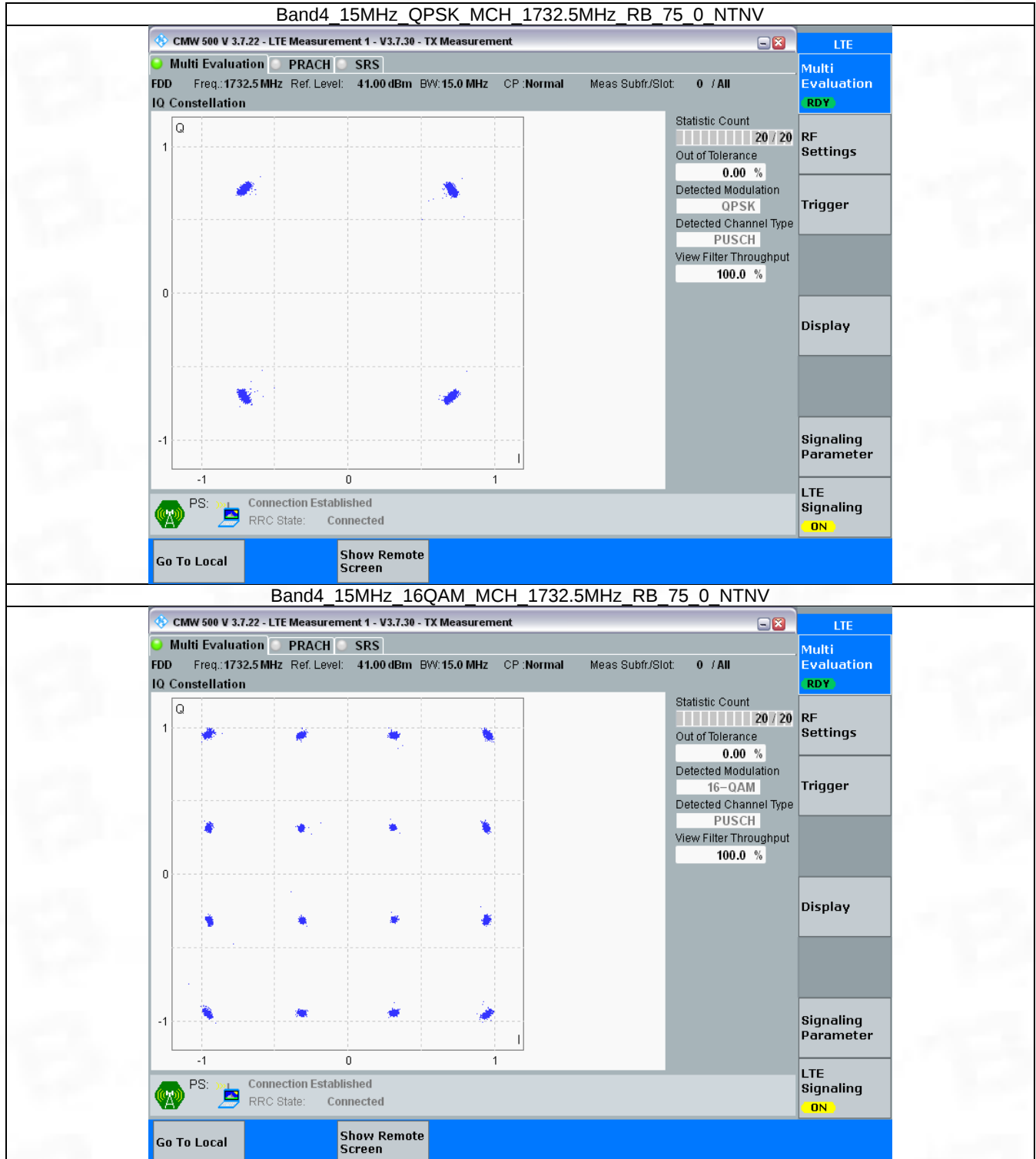


3.5 B4_15MHz

3.5.1 Test Result

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

3.5.2 Test Graph

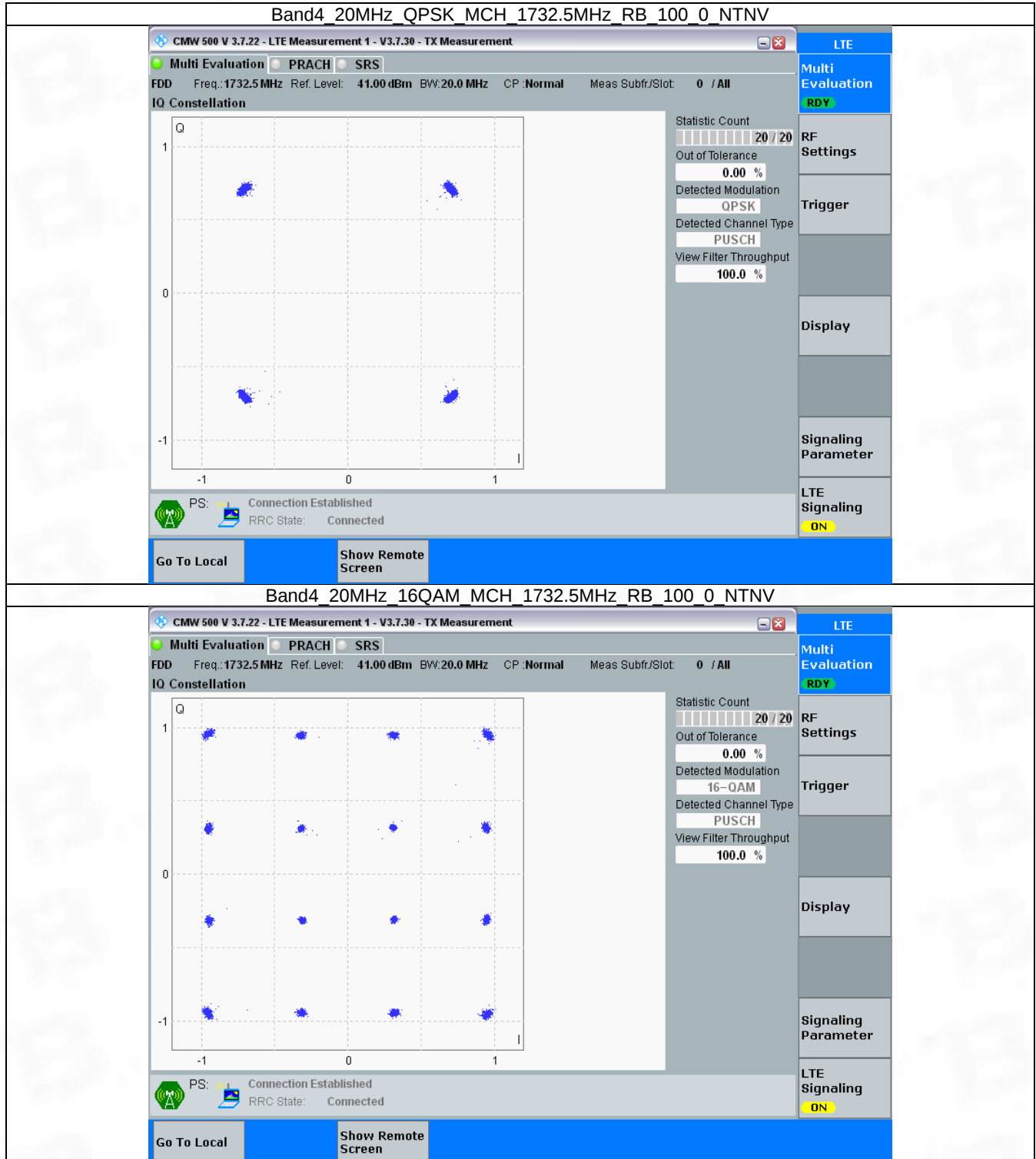


3.6 B4_20MHz

3.6.1 Test Result

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

3.6.2 Test Graph



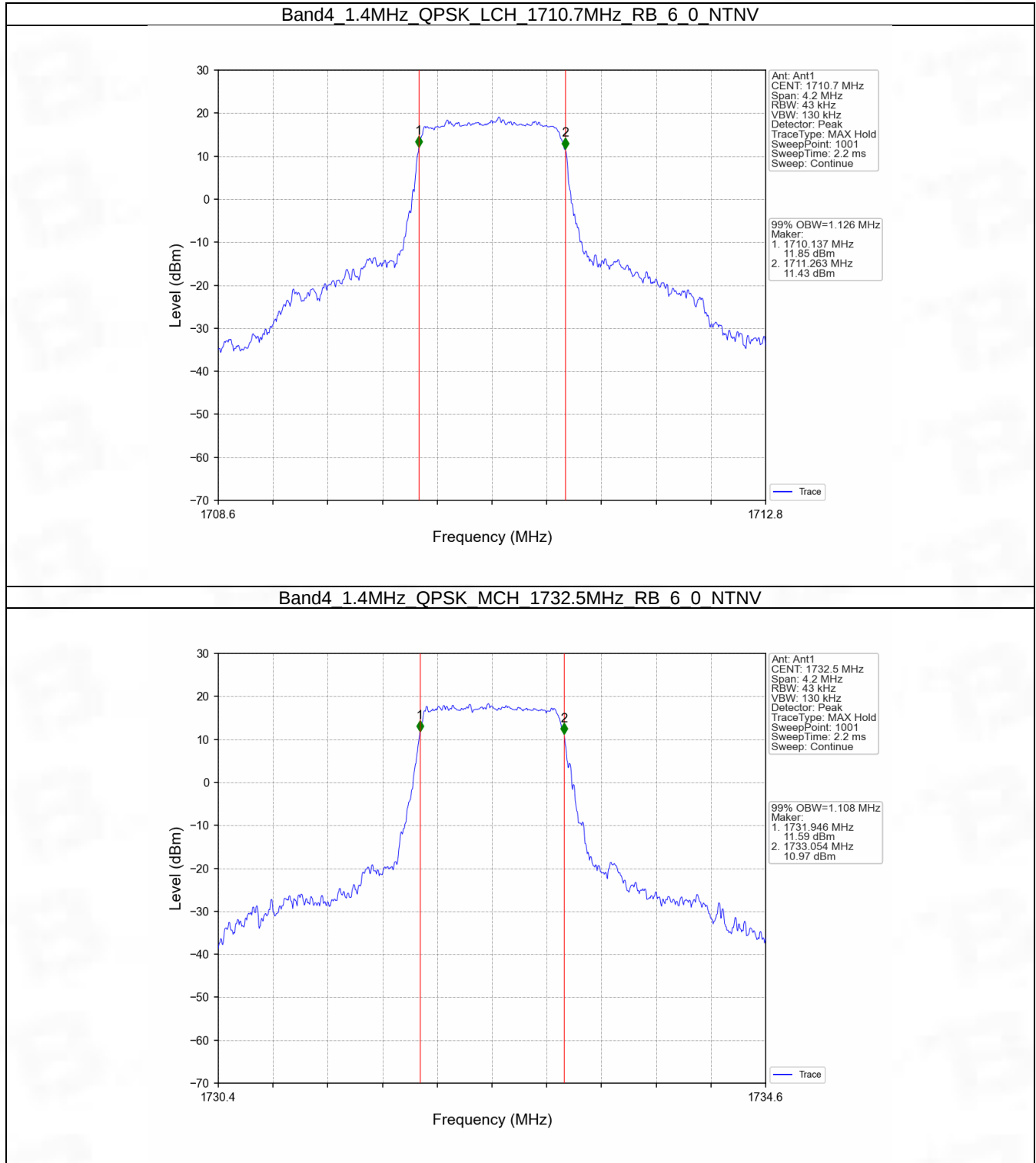
4. 99% & 26dB Bandwidth

4.1 Band4_OBW

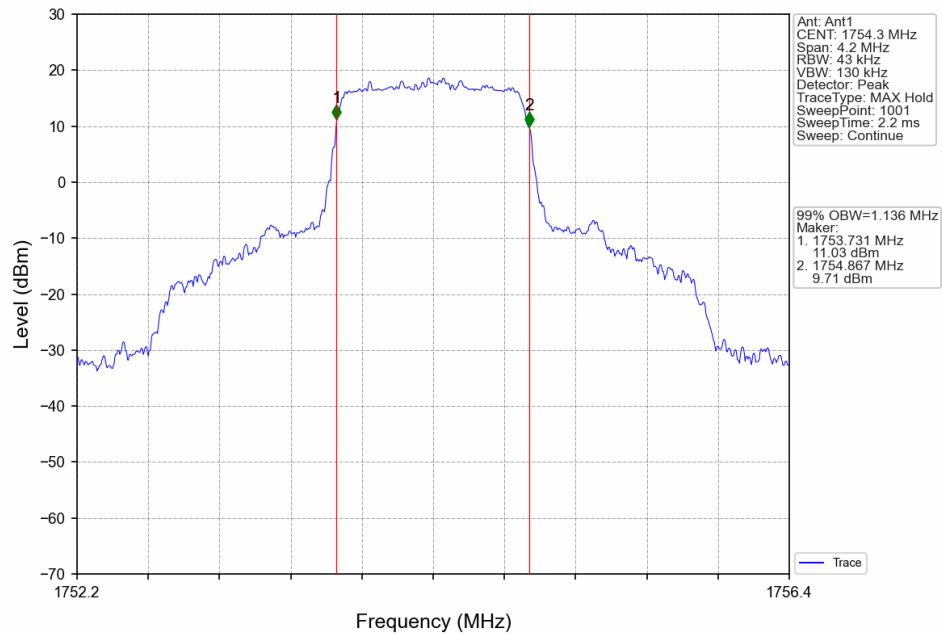
4.1.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset		
1.4	QPSK	1710.7	6	0	1.126	Pass
		1732.5	6	0	1.108	Pass
		1754.3	6	0	1.136	Pass
	16QAM	1710.7	6	0	1.107	Pass
		1732.5	6	0	1.104	Pass
		1754.3	6	0	1.120	Pass
3	QPSK	1711.5	15	0	2.722	Pass
		1732.5	15	0	2.731	Pass
		1753.5	15	0	2.739	Pass
	16QAM	1711.5	15	0	2.722	Pass
		1732.5	15	0	2.719	Pass
		1753.5	15	0	2.740	Pass
5	QPSK	1712.5	25	0	4.550	Pass
		1732.5	25	0	4.533	Pass
		1752.5	25	0	4.546	Pass
	16QAM	1712.5	25	0	4.534	Pass
		1732.5	25	0	4.528	Pass
		1752.5	25	0	4.554	Pass
10	QPSK	1715	50	0	9.036	Pass
		1732.5	50	0	9.043	Pass
		1750	50	0	9.062	Pass
	16QAM	1715	50	0	9.027	Pass
		1732.5	50	0	9.043	Pass
		1750	50	0	9.078	Pass
15	QPSK	1717.5	75	0	13.538	Pass
		1732.5	75	0	13.586	Pass
		1747.5	75	0	13.574	Pass
	16QAM	1717.5	75	0	13.562	Pass
		1732.5	75	0	13.599	Pass
		1747.5	75	0	13.614	Pass
20	QPSK	1720	100	0	18.047	Pass
		1732.5	100	0	18.158	Pass
		1745	100	0	18.218	Pass
	16QAM	1720	100	0	18.045	Pass
		1732.5	100	0	18.129	Pass
		1745	100	0	18.115	Pass

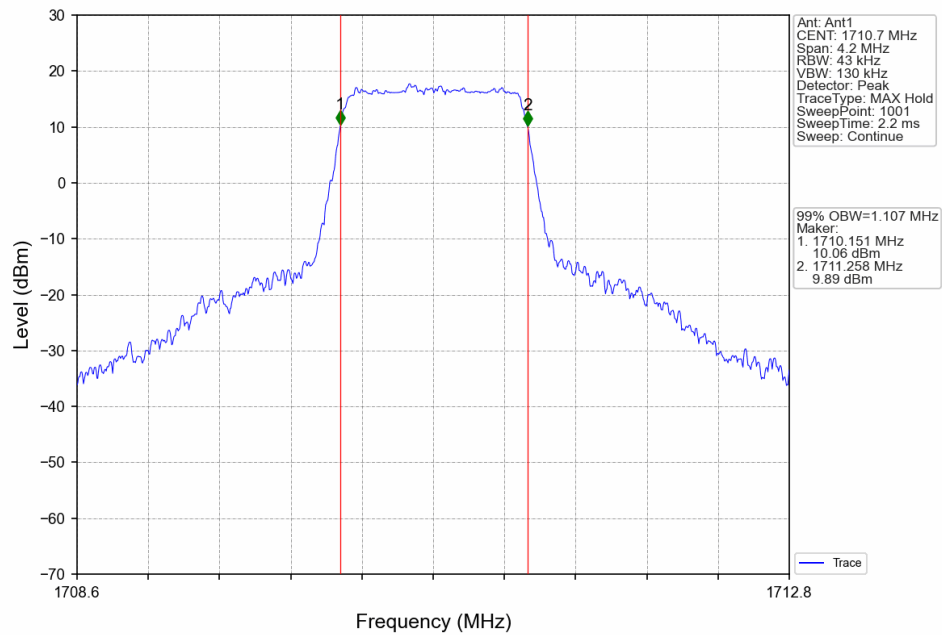
4.1.2 Test Graph



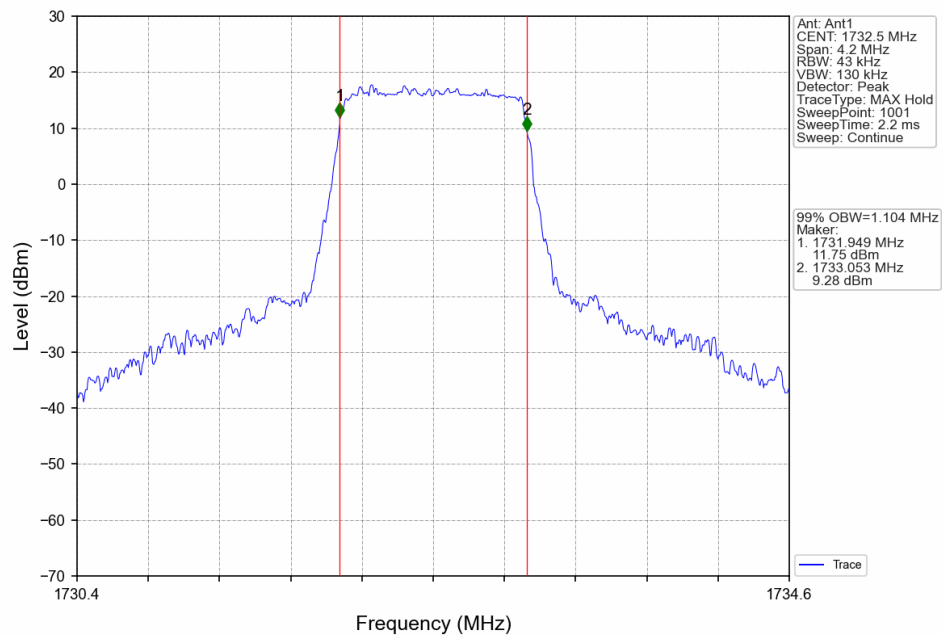
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



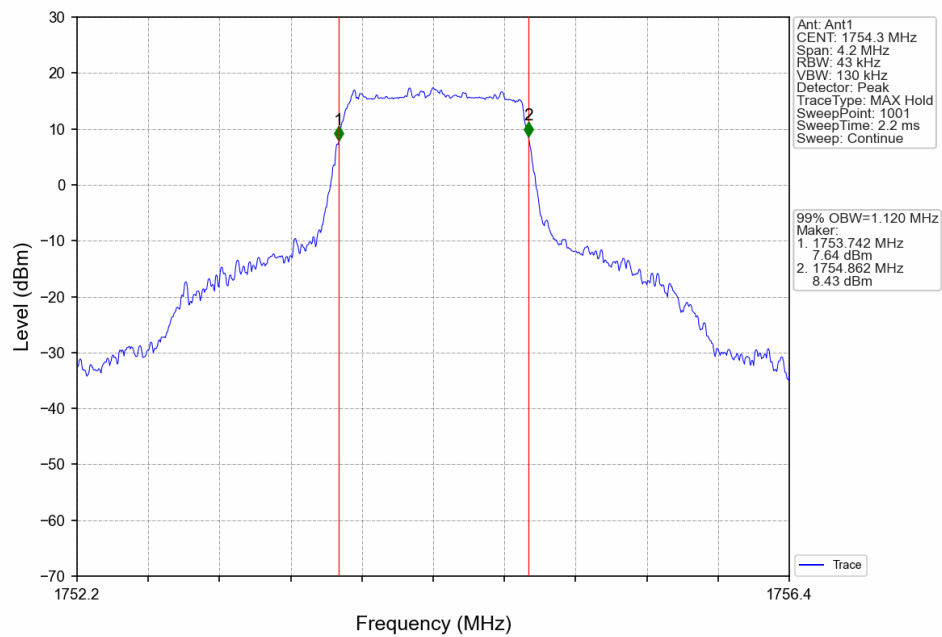
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



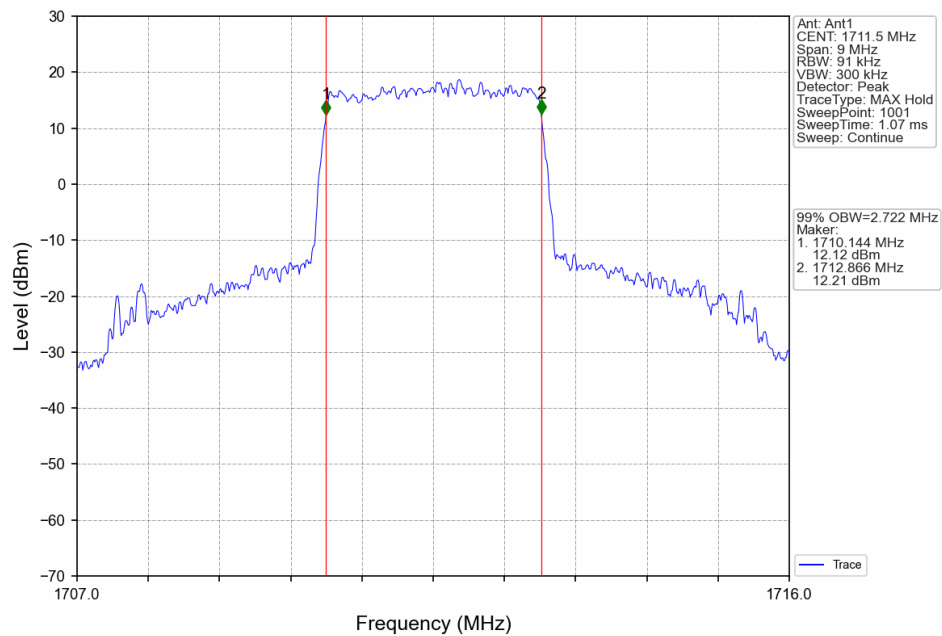
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



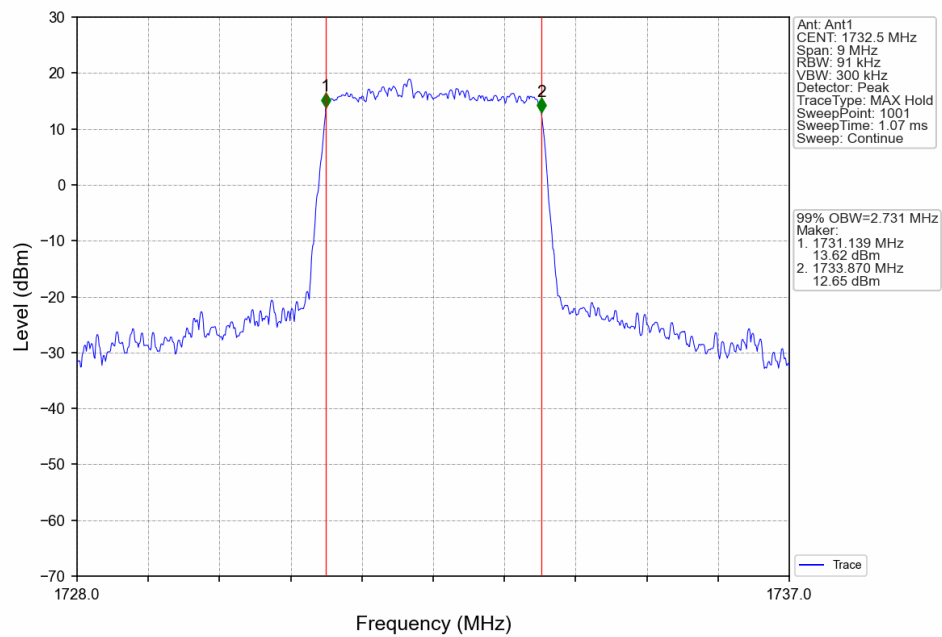
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



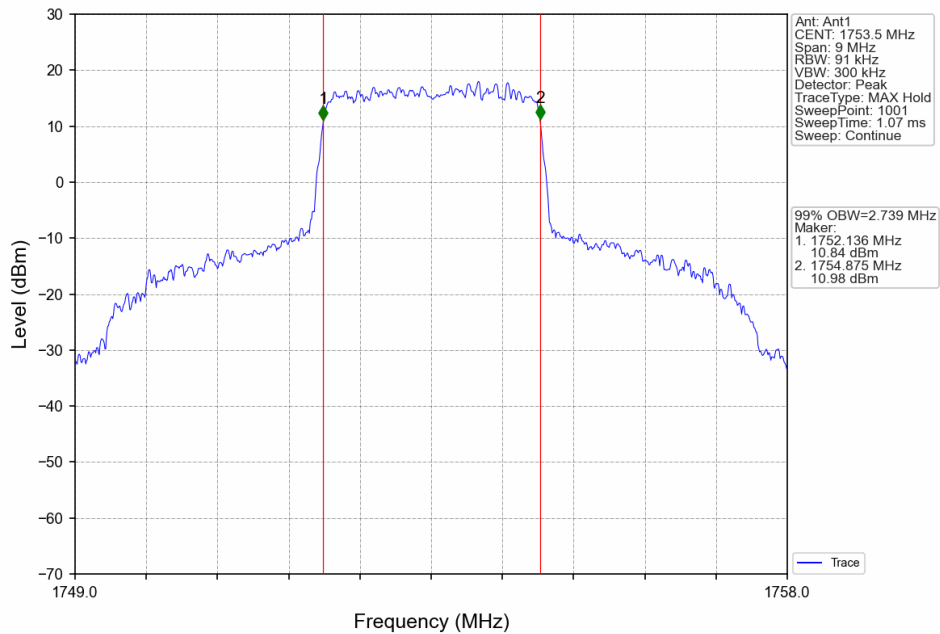
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



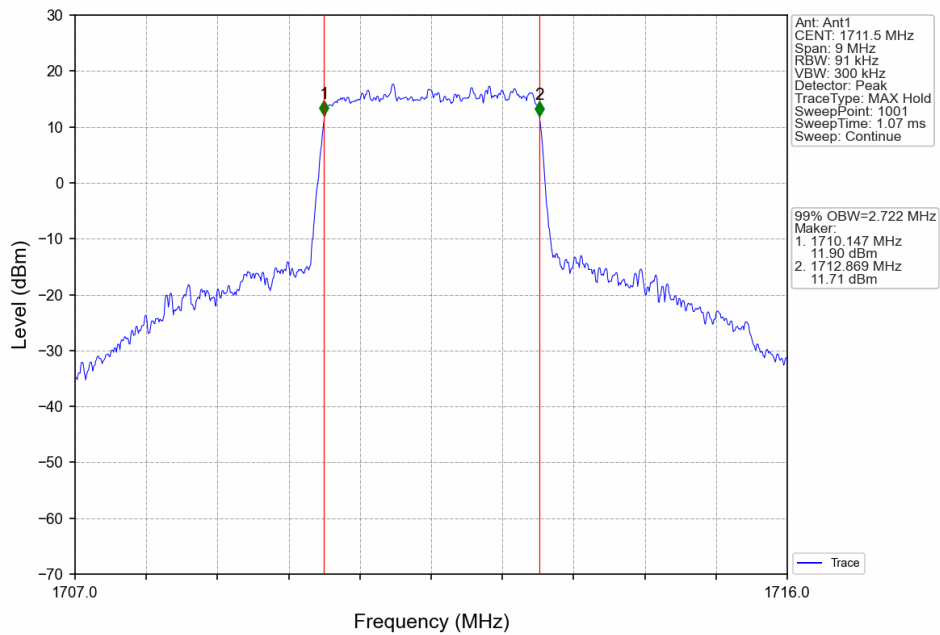
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

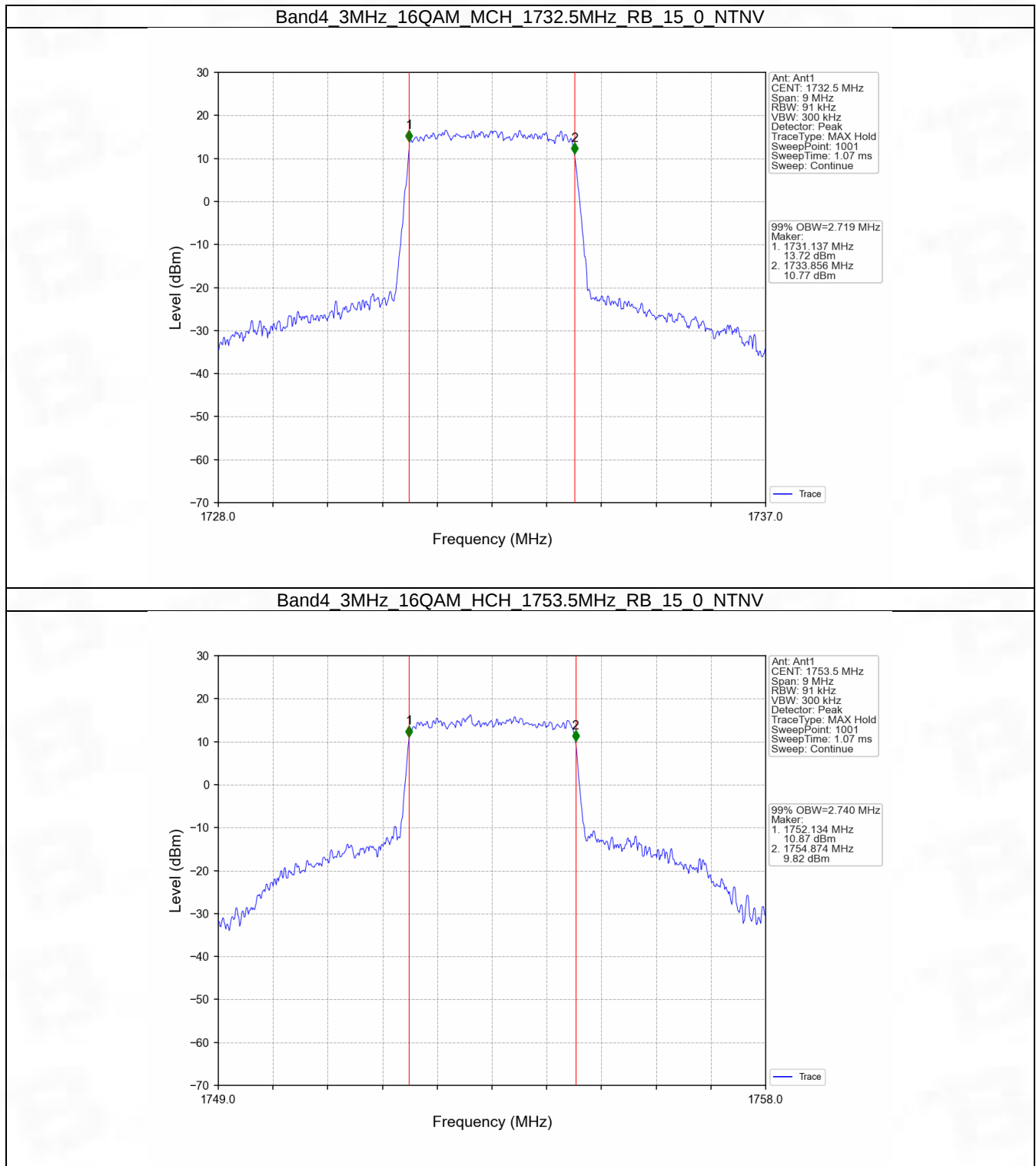


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

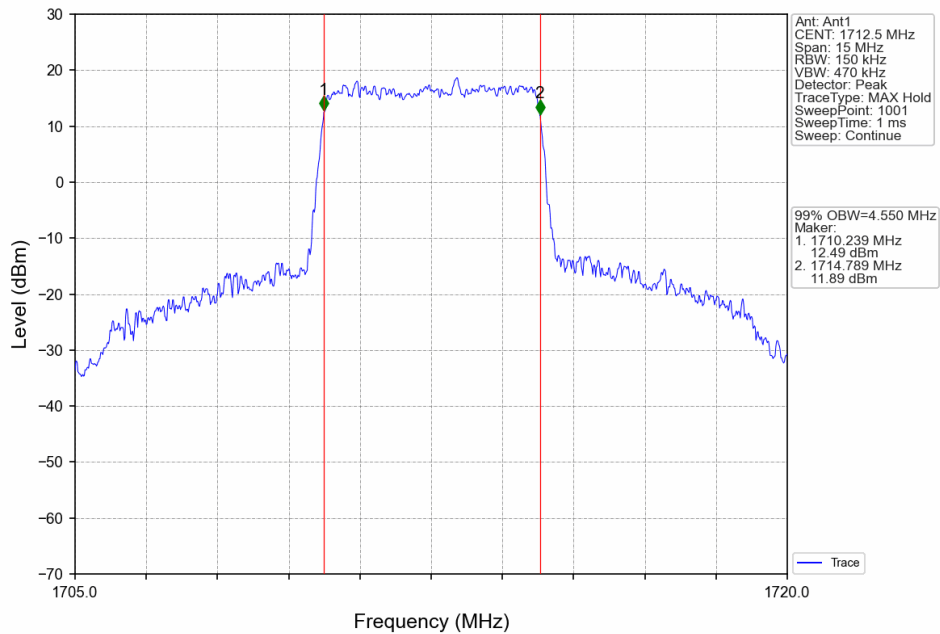


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

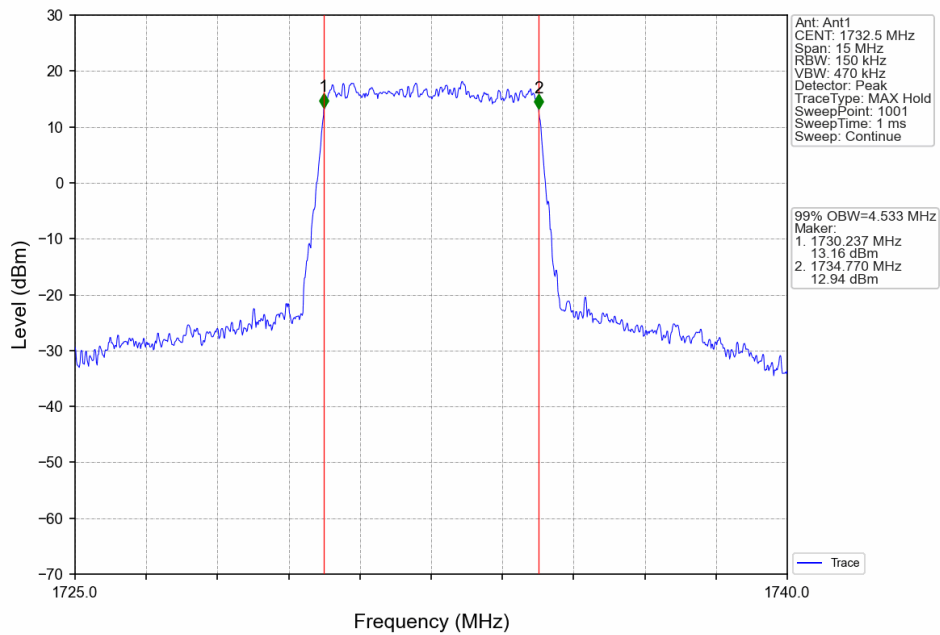




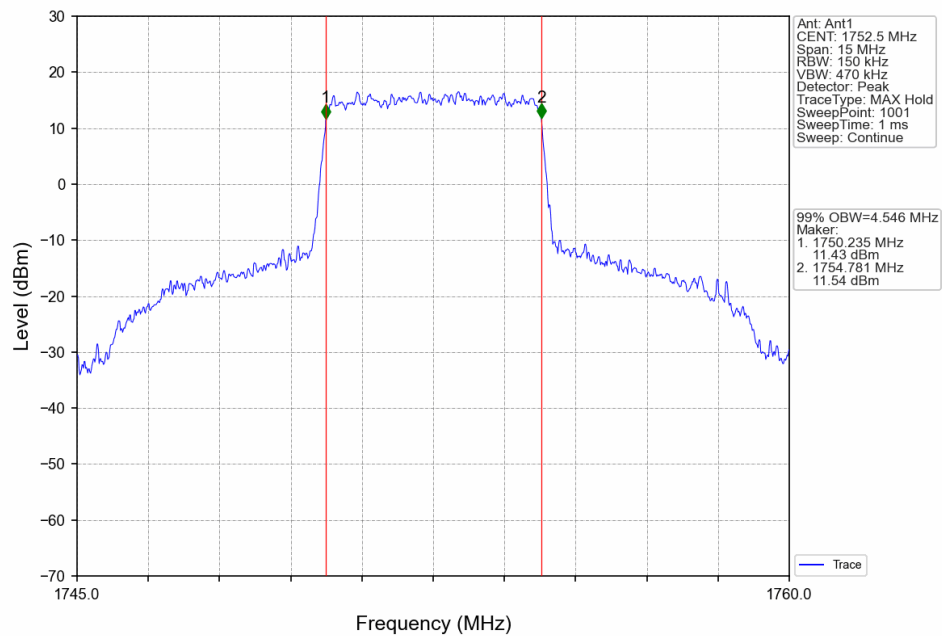
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



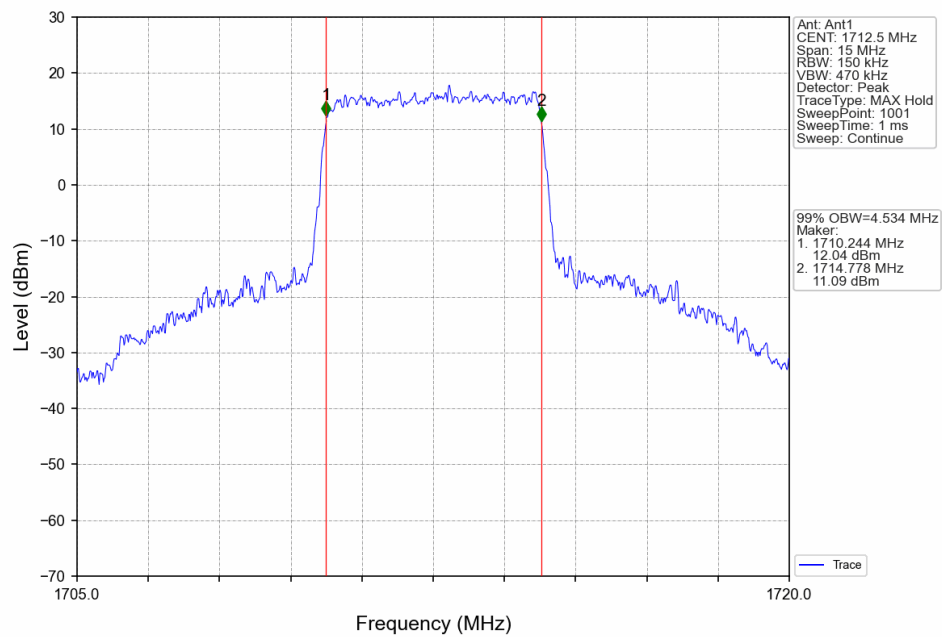
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

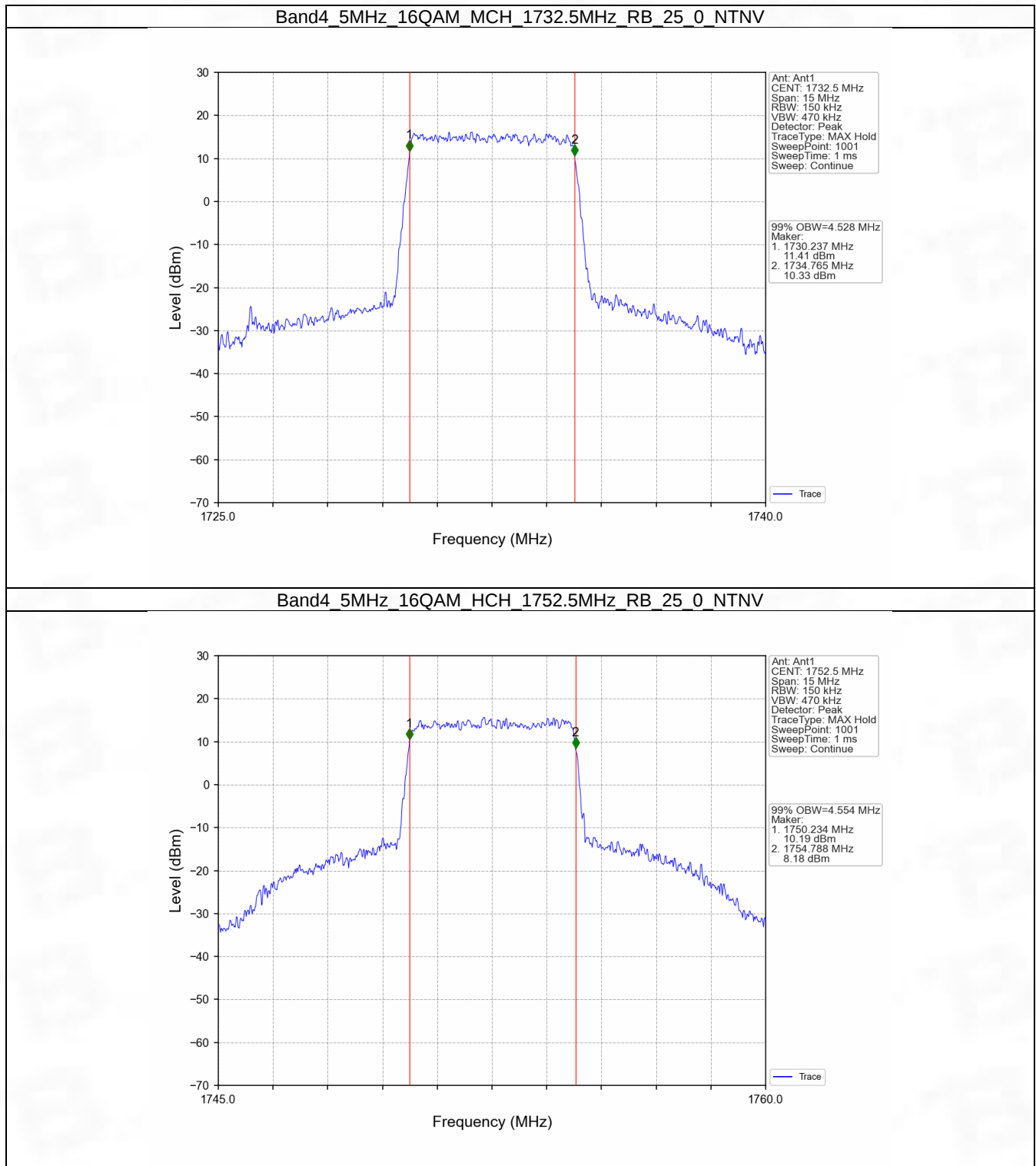


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

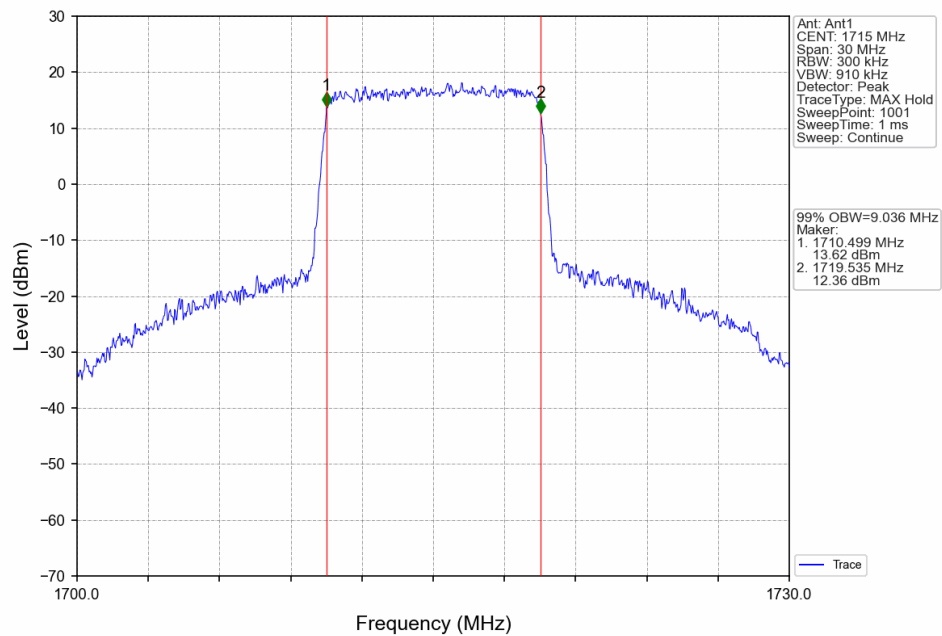


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

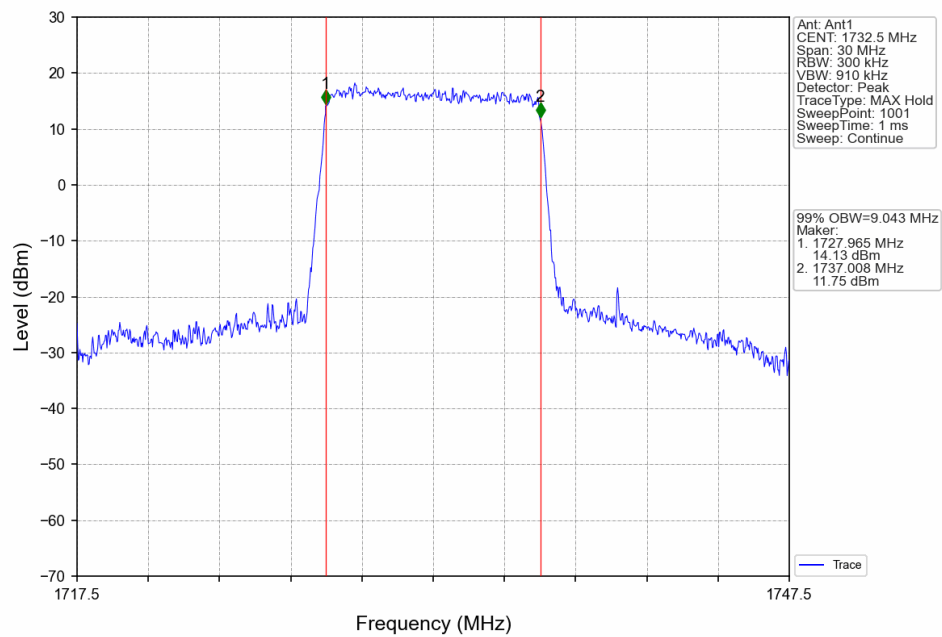




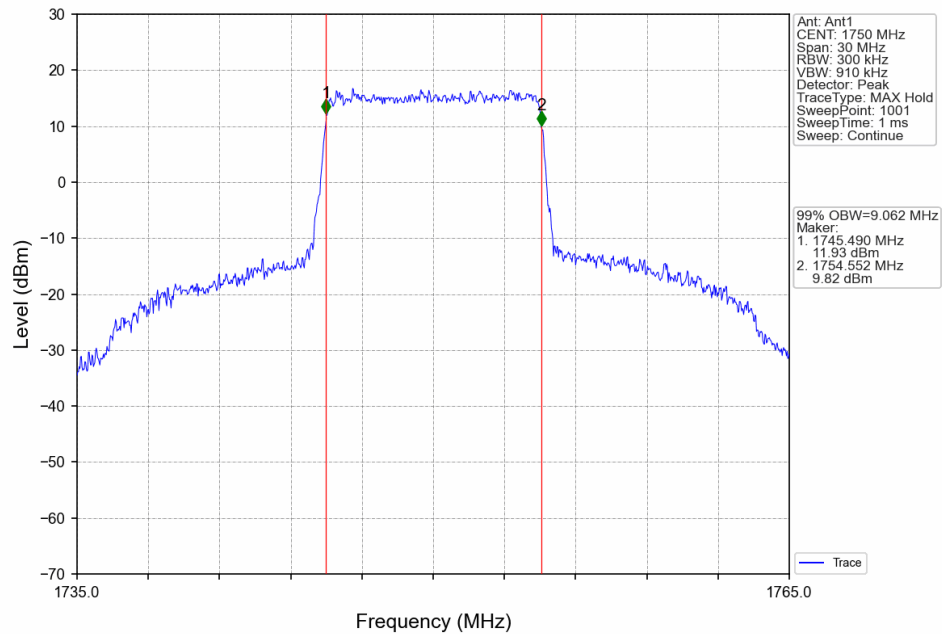
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



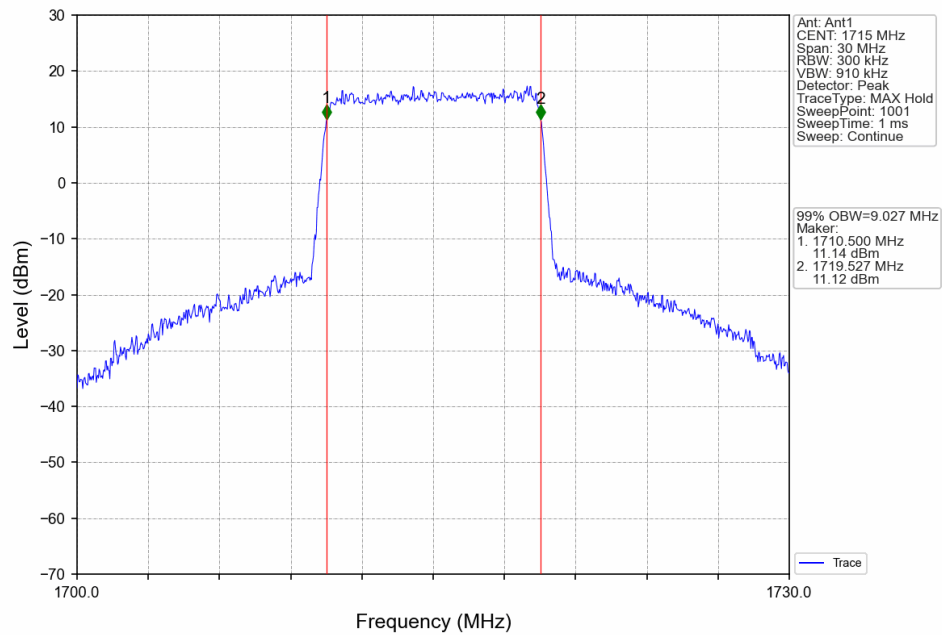
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



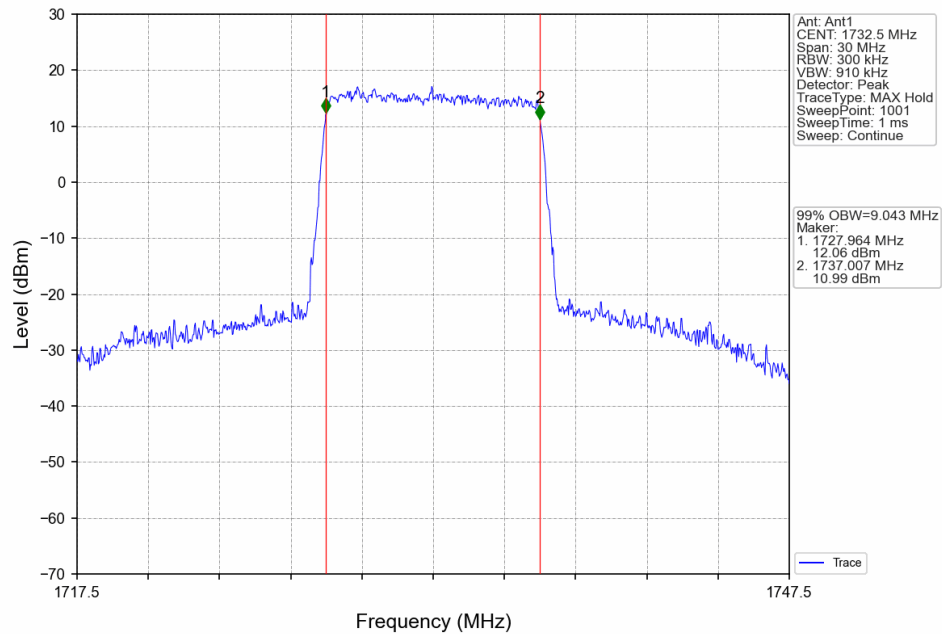
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



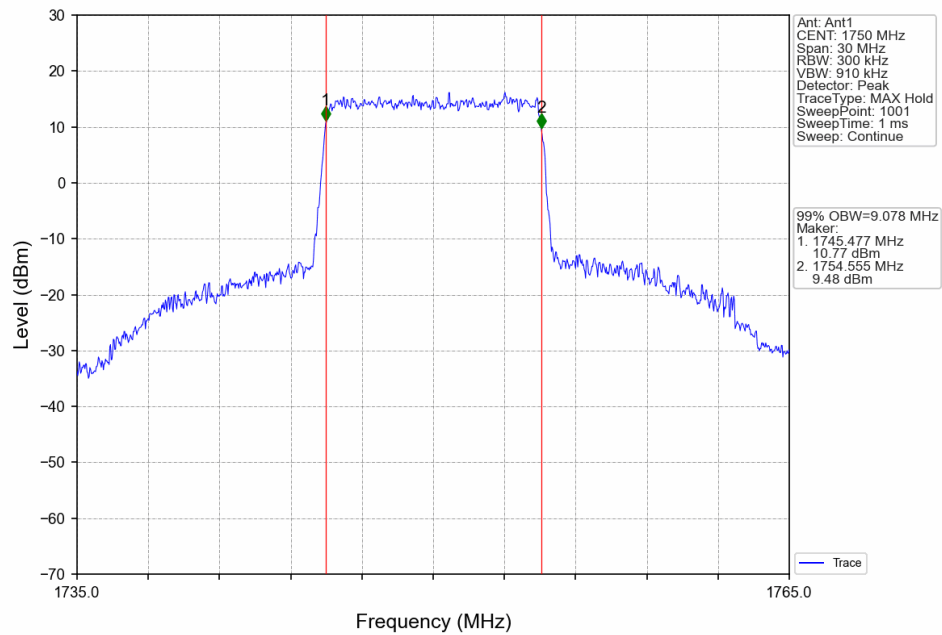
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



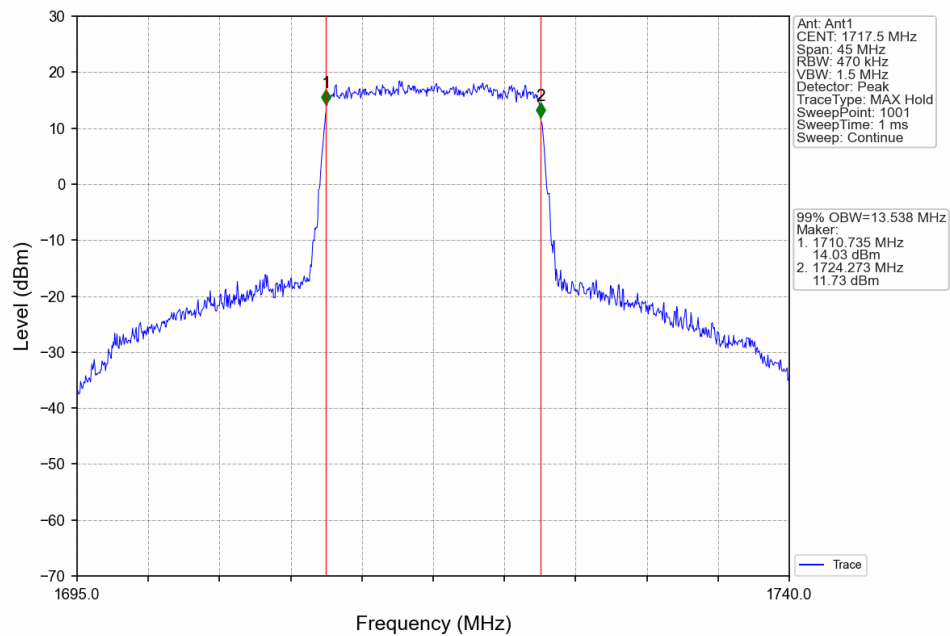
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



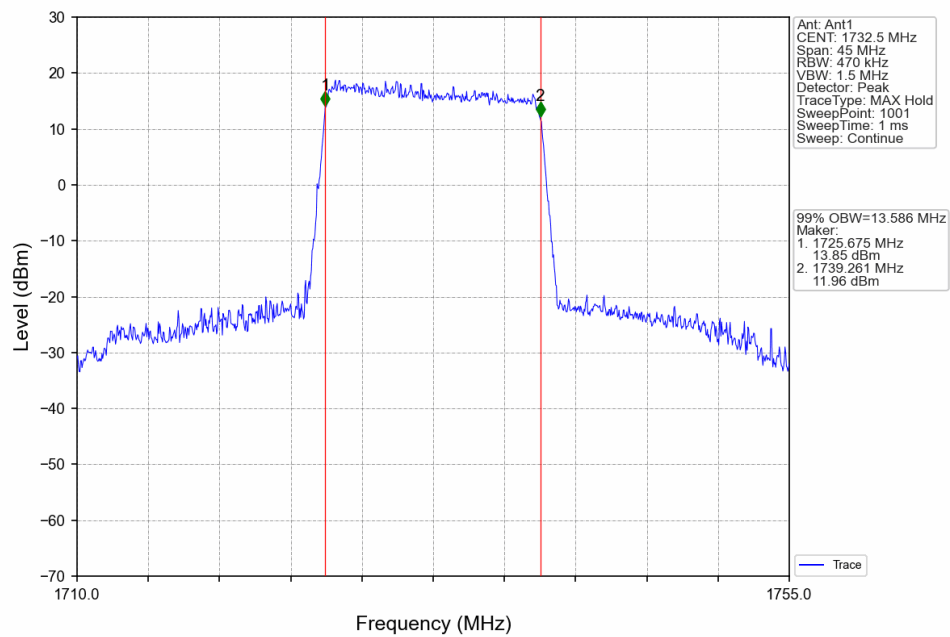
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

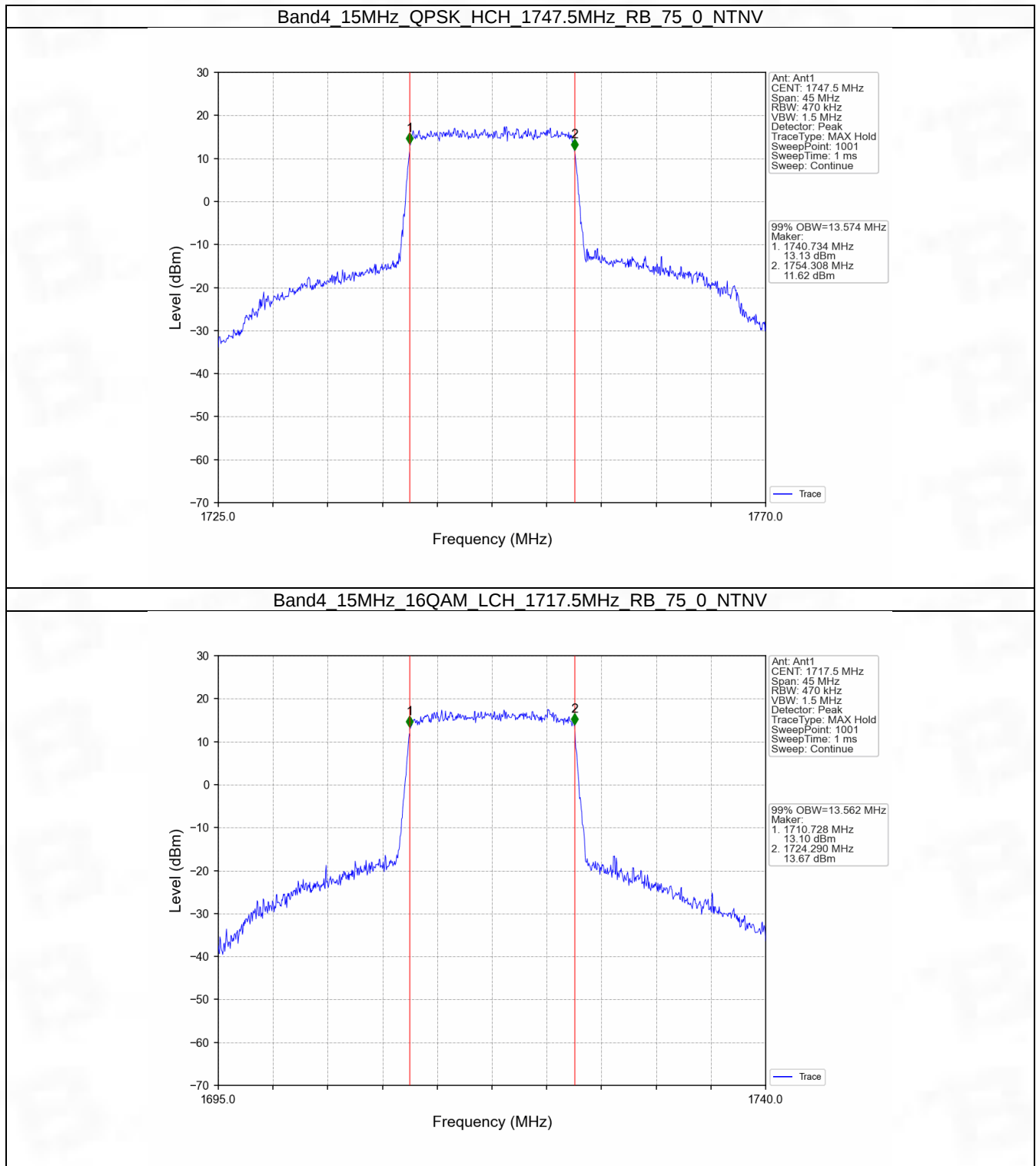


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

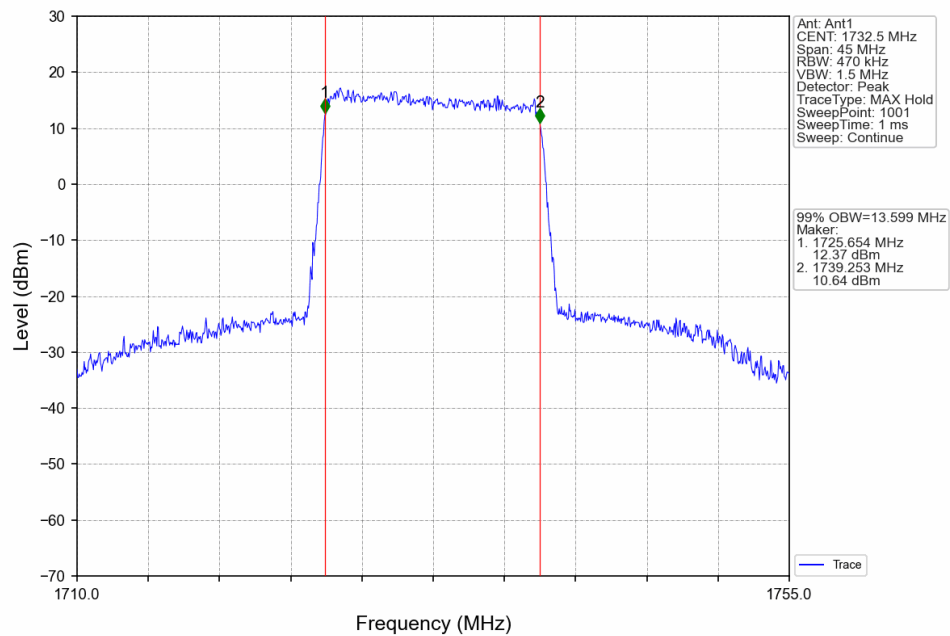


Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

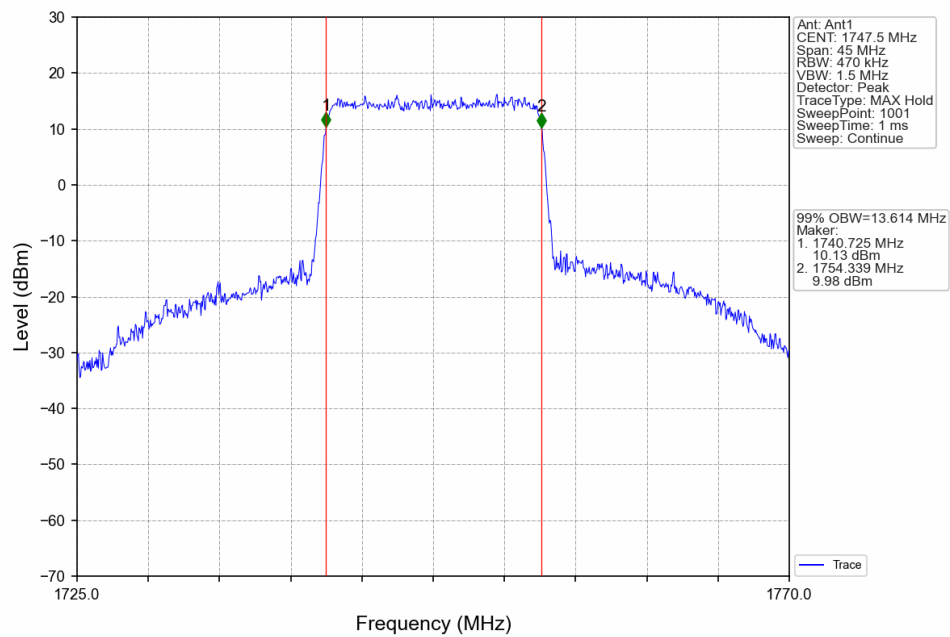




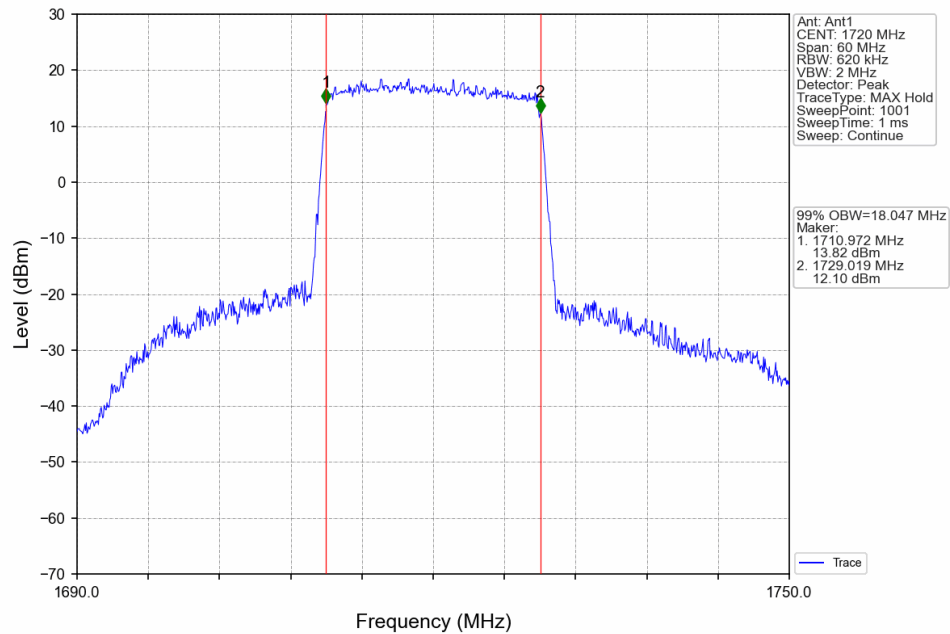
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



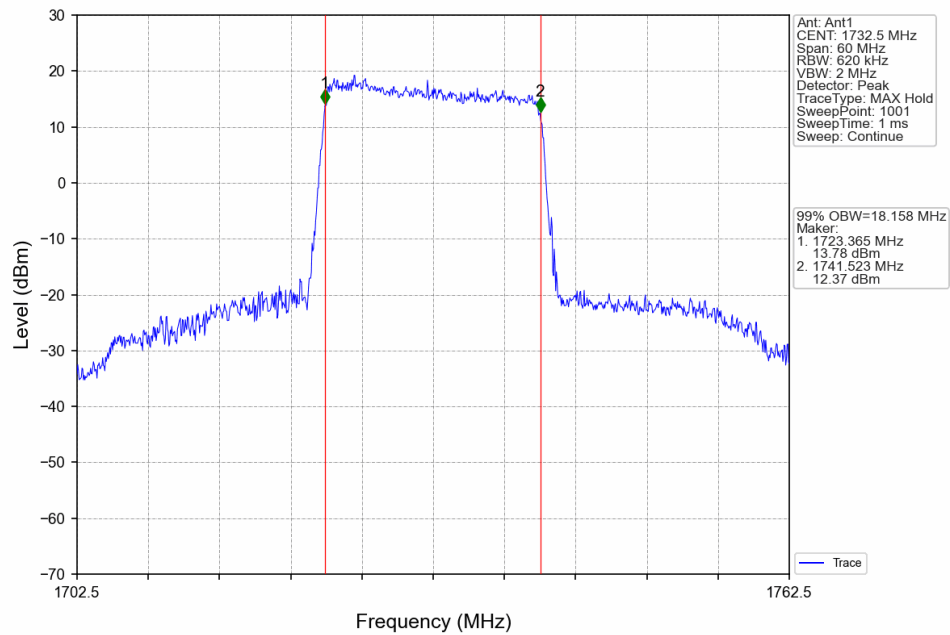
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



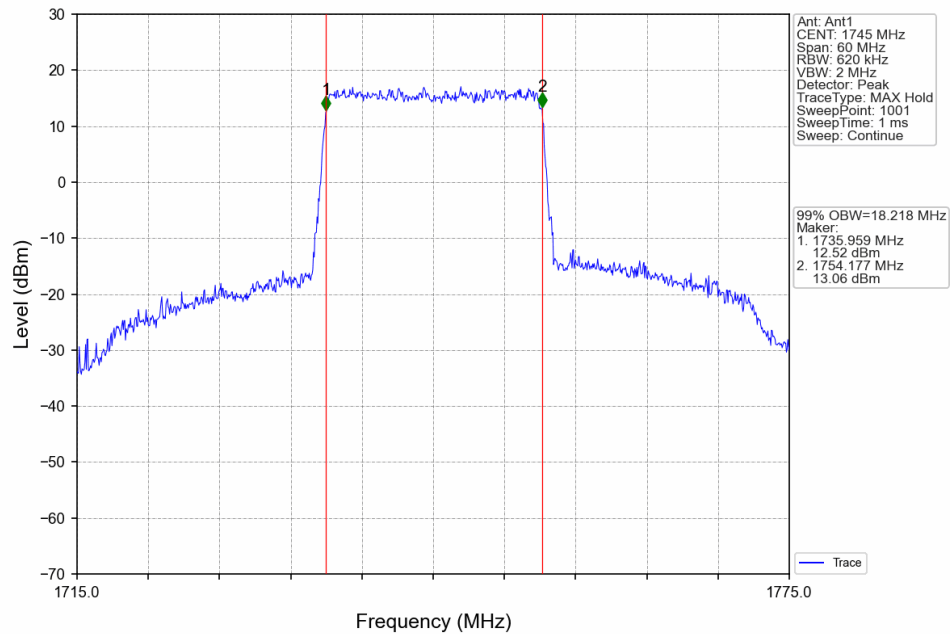
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



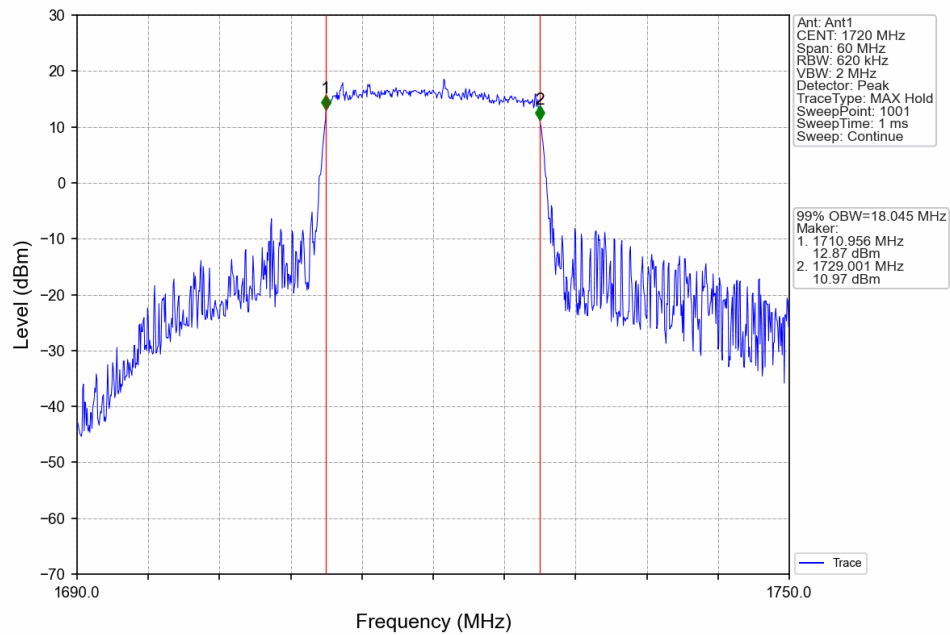
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



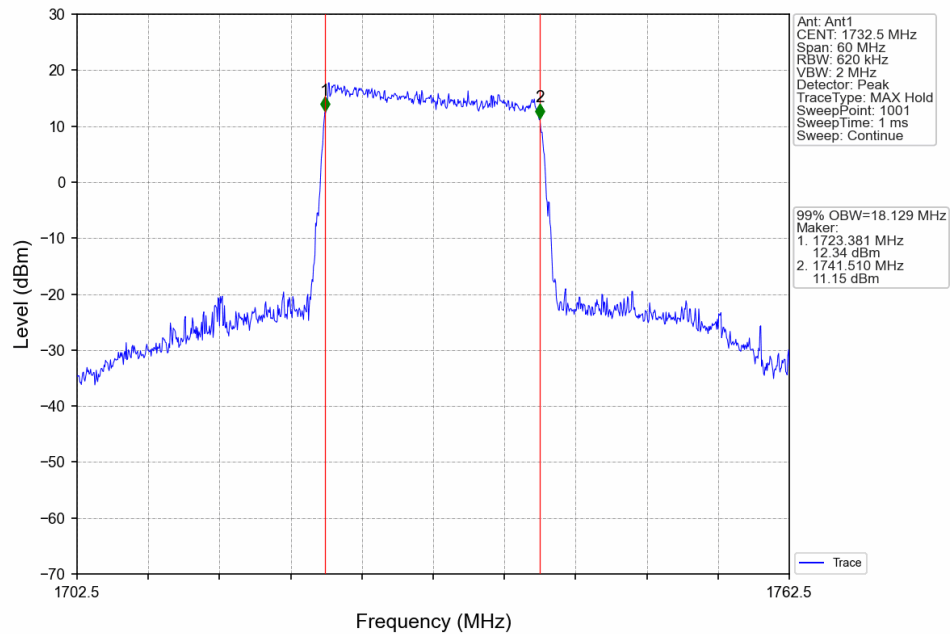
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



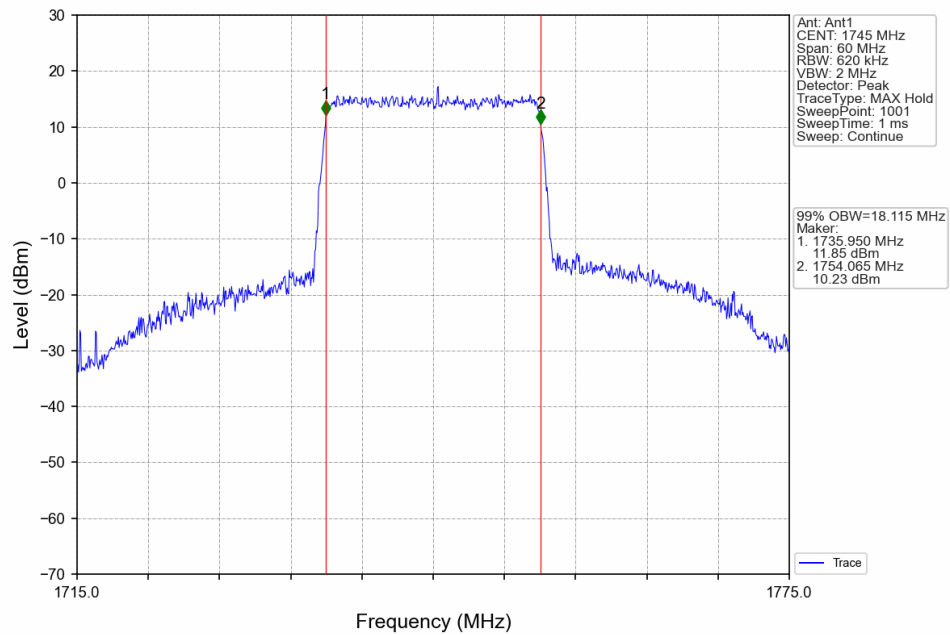
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

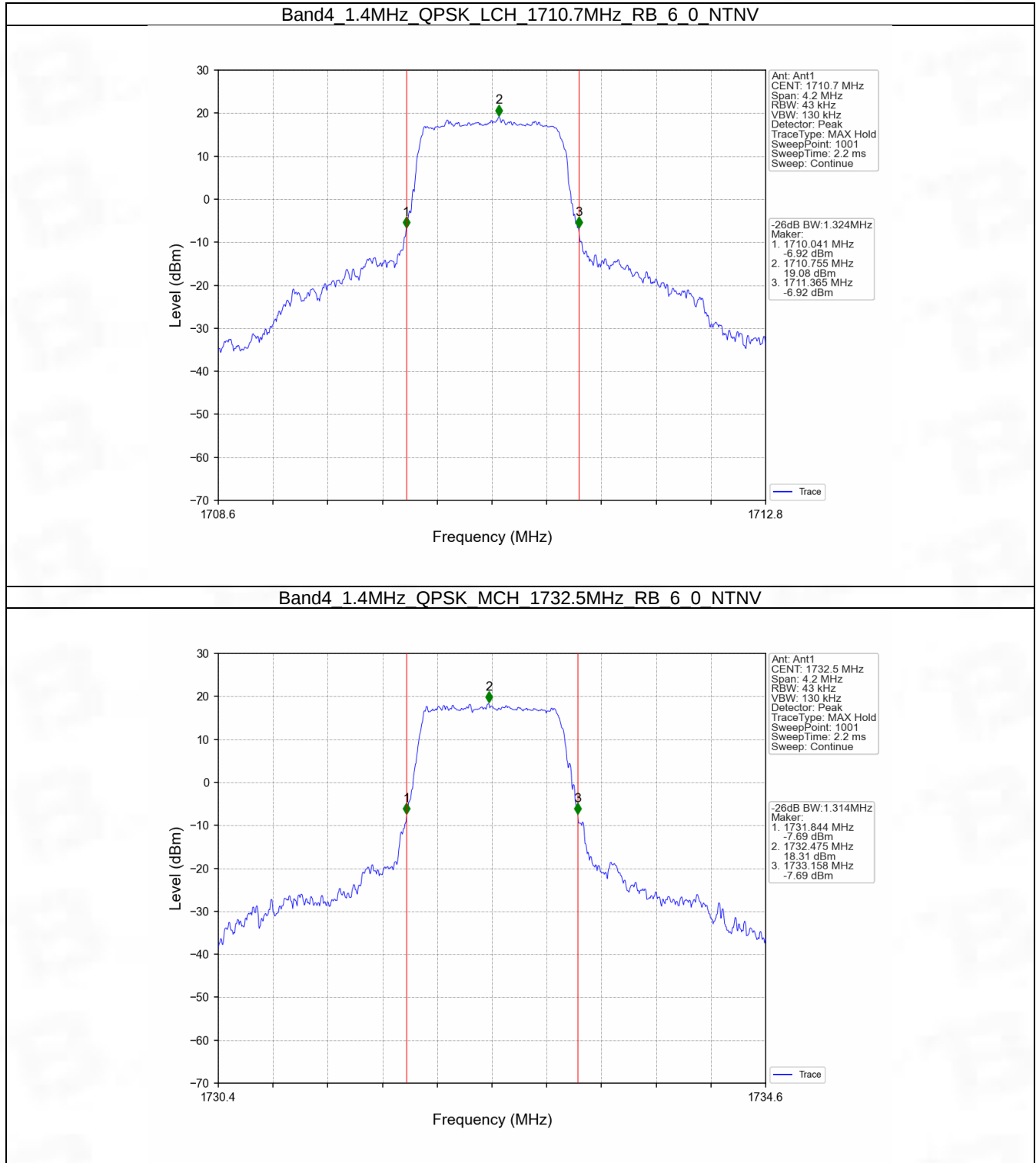


4.2 Band4_XDB

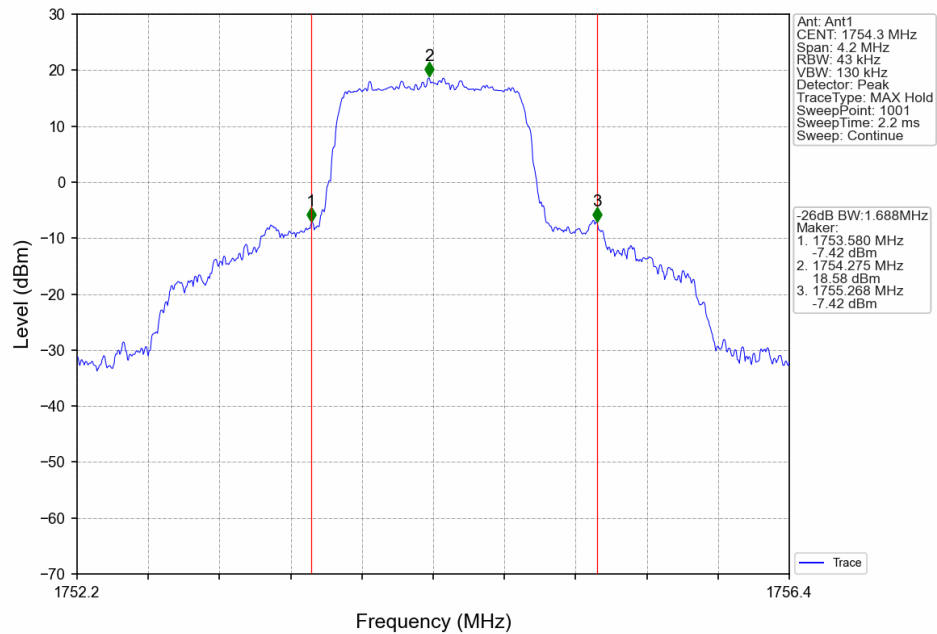
4.2.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.324	Pass
		1732.5	6	0	1.314	Pass
		1754.3	6	0	1.688	Pass
	16QAM	1710.7	6	0	1.321	Pass
		1732.5	6	0	1.296	Pass
		1754.3	6	0	1.373	Pass
3	QPSK	1711.5	15	0	2.996	Pass
		1732.5	15	0	2.985	Pass
		1753.5	15	0	3.052	Pass
	16QAM	1711.5	15	0	2.983	Pass
		1732.5	15	0	3.005	Pass
		1753.5	15	0	3.112	Pass
5	QPSK	1712.5	25	0	5.020	Pass
		1732.5	25	0	5.020	Pass
		1752.5	25	0	5.039	Pass
	16QAM	1712.5	25	0	5.005	Pass
		1732.5	25	0	5.047	Pass
		1752.5	25	0	5.050	Pass
10	QPSK	1715	50	0	9.932	Pass
		1732.5	50	0	9.896	Pass
		1750	50	0	10.040	Pass
	16QAM	1715	50	0	9.896	Pass
		1732.5	50	0	9.892	Pass
		1750	50	0	9.936	Pass
15	QPSK	1717.5	75	0	14.746	Pass
		1732.5	75	0	14.863	Pass
		1747.5	75	0	14.938	Pass
	16QAM	1717.5	75	0	14.851	Pass
		1732.5	75	0	14.836	Pass
		1747.5	75	0	14.940	Pass
20	QPSK	1720	100	0	19.727	Pass
		1732.5	100	0	19.881	Pass
		1745	100	0	19.852	Pass
	16QAM	1720	100	0	23.727	Pass
		1732.5	100	0	19.820	Pass
		1745	100	0	19.666	Pass

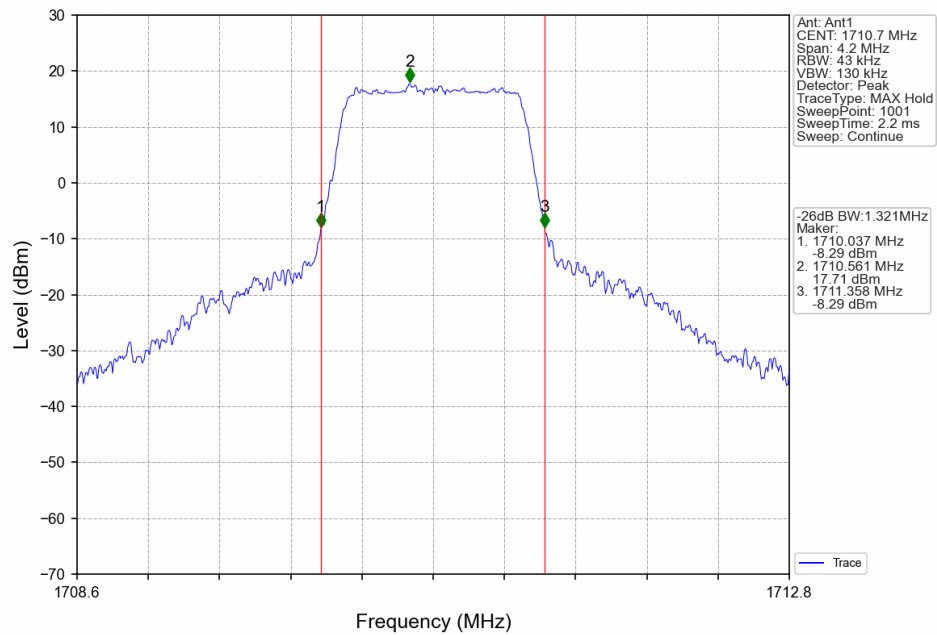
4.2.2 Test Graph



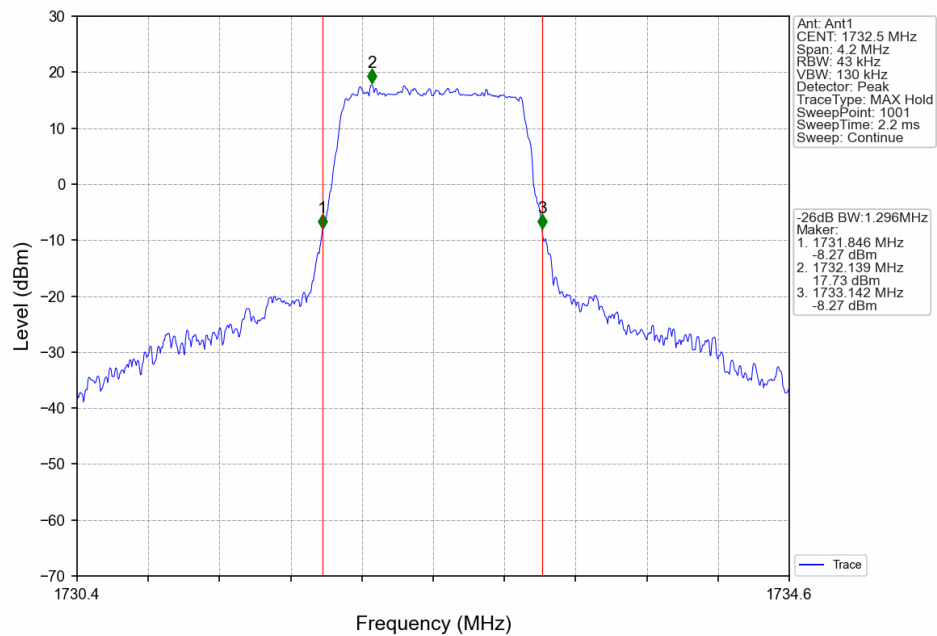
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



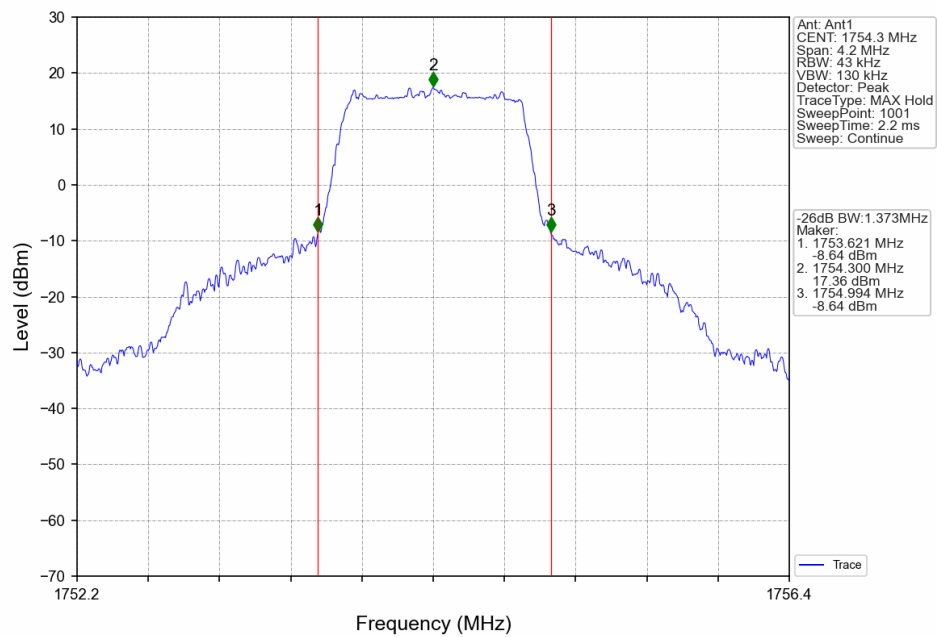
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



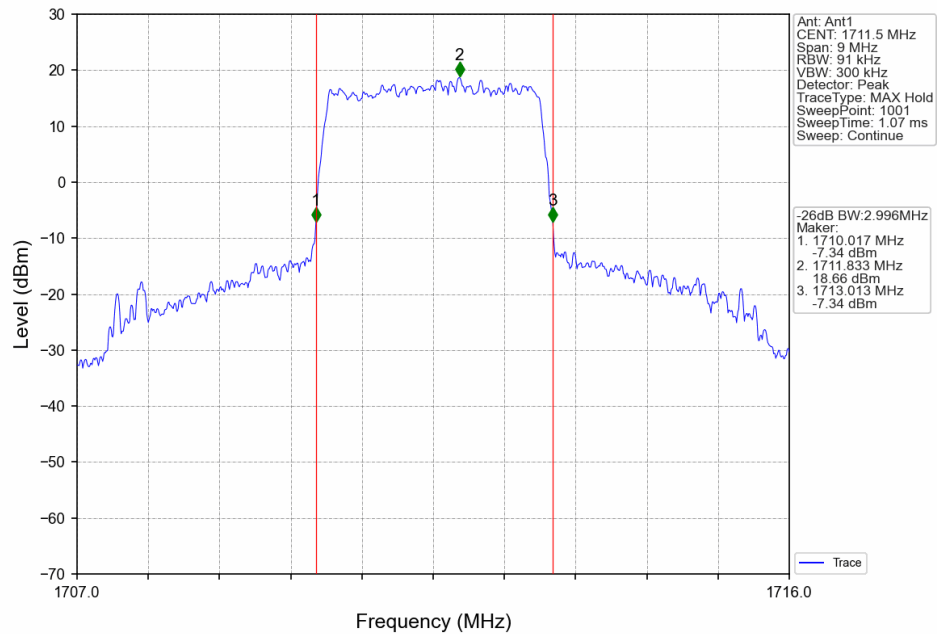
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



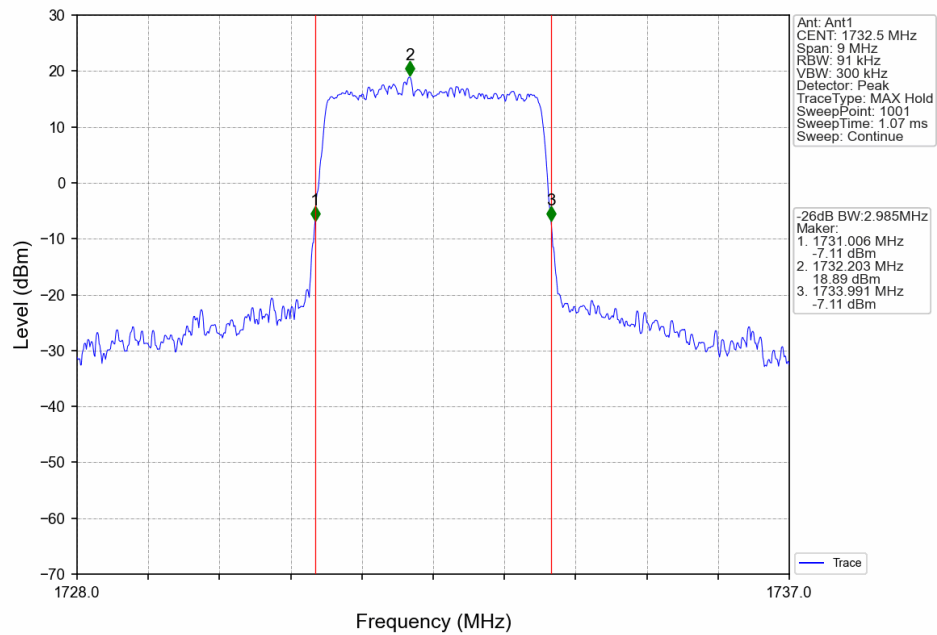
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



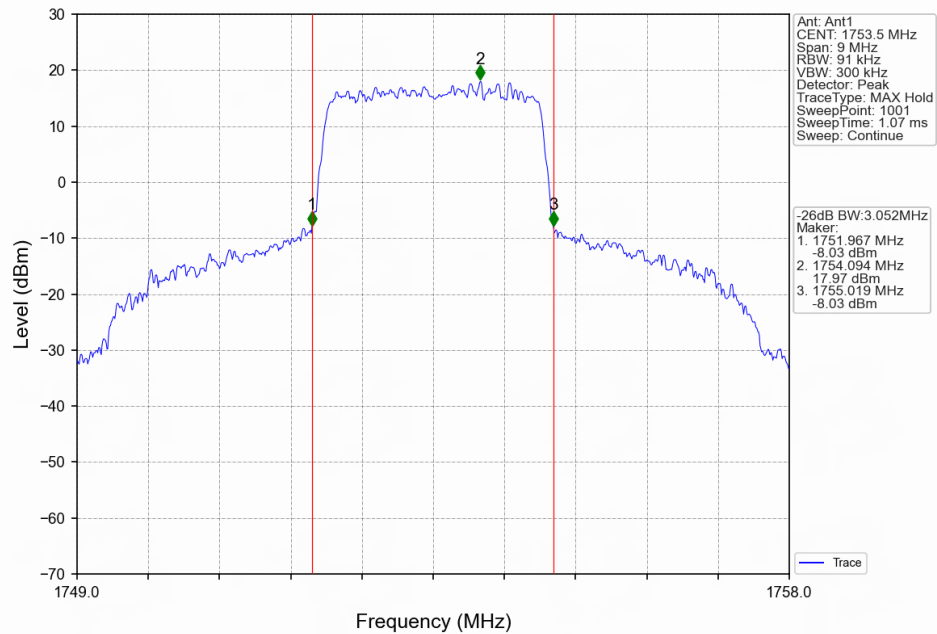
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



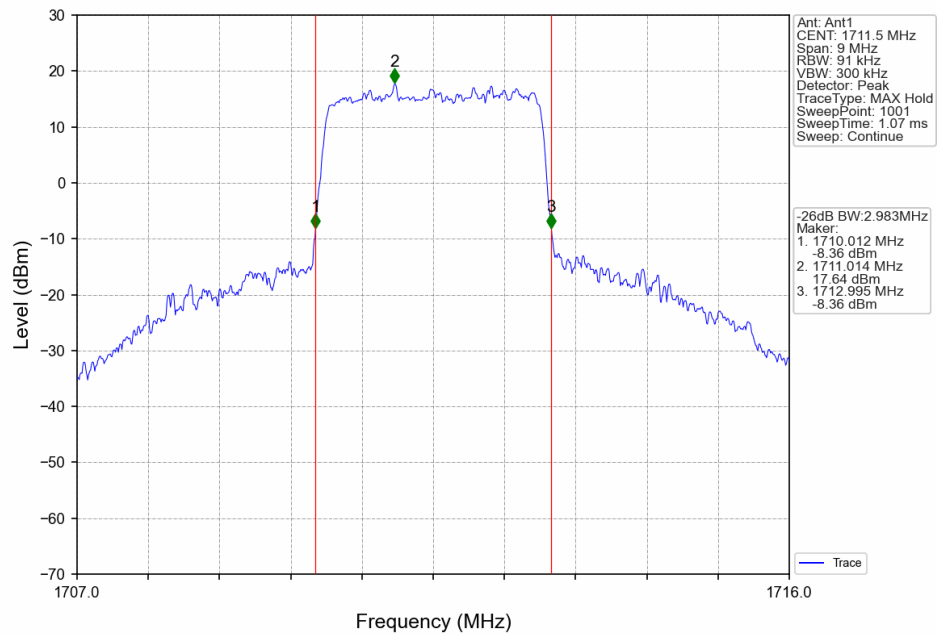
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

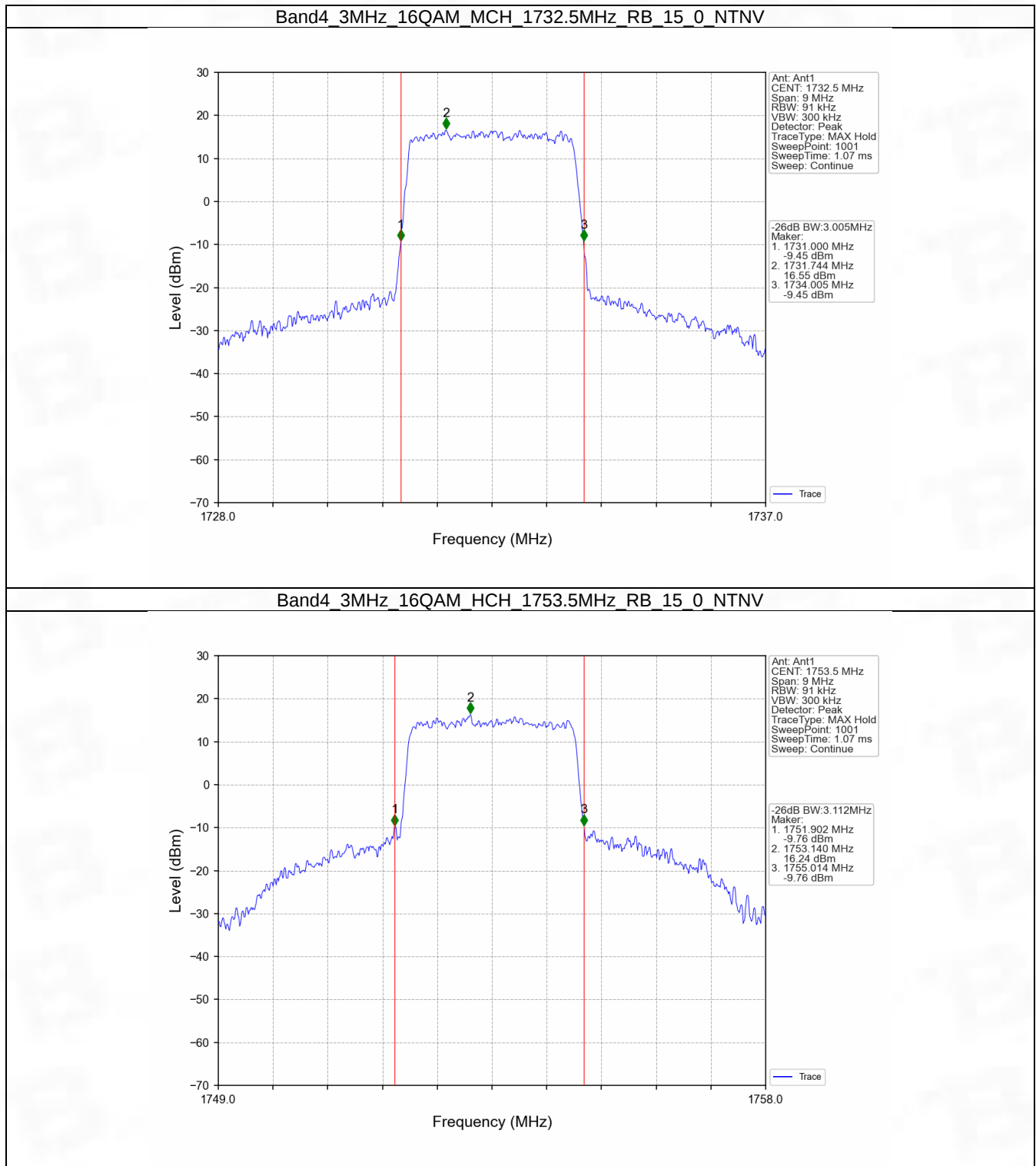


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

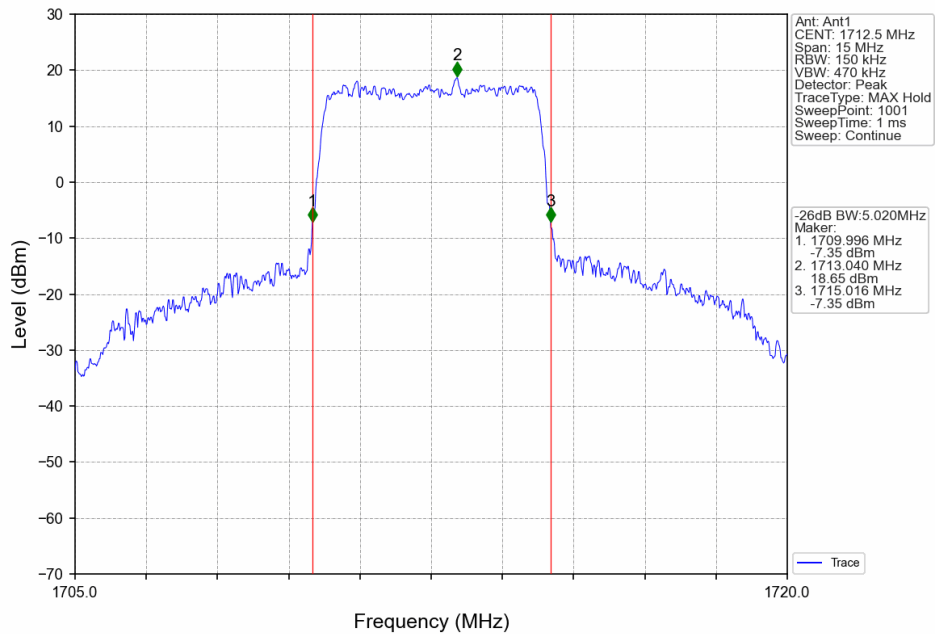


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

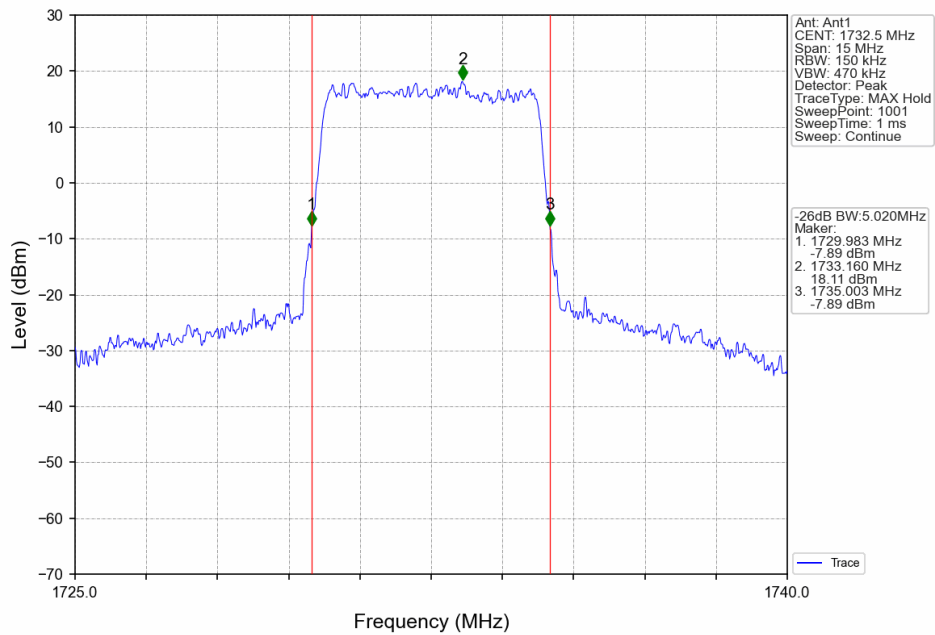




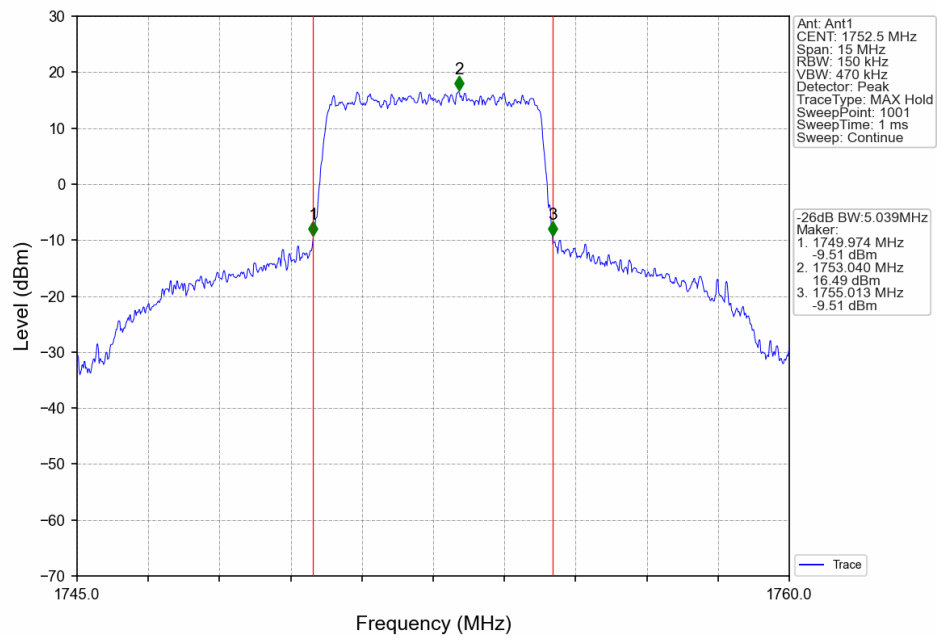
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



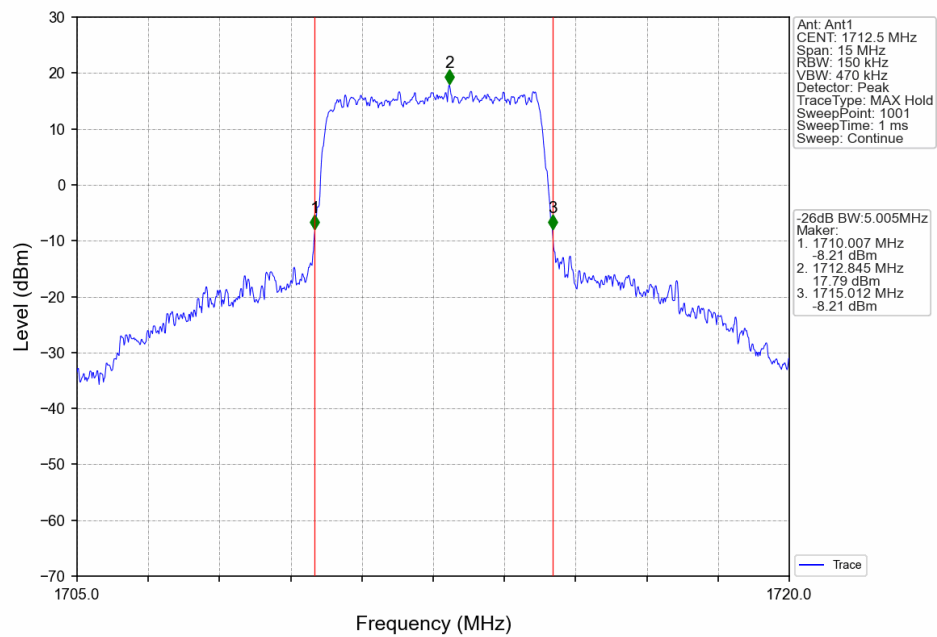
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

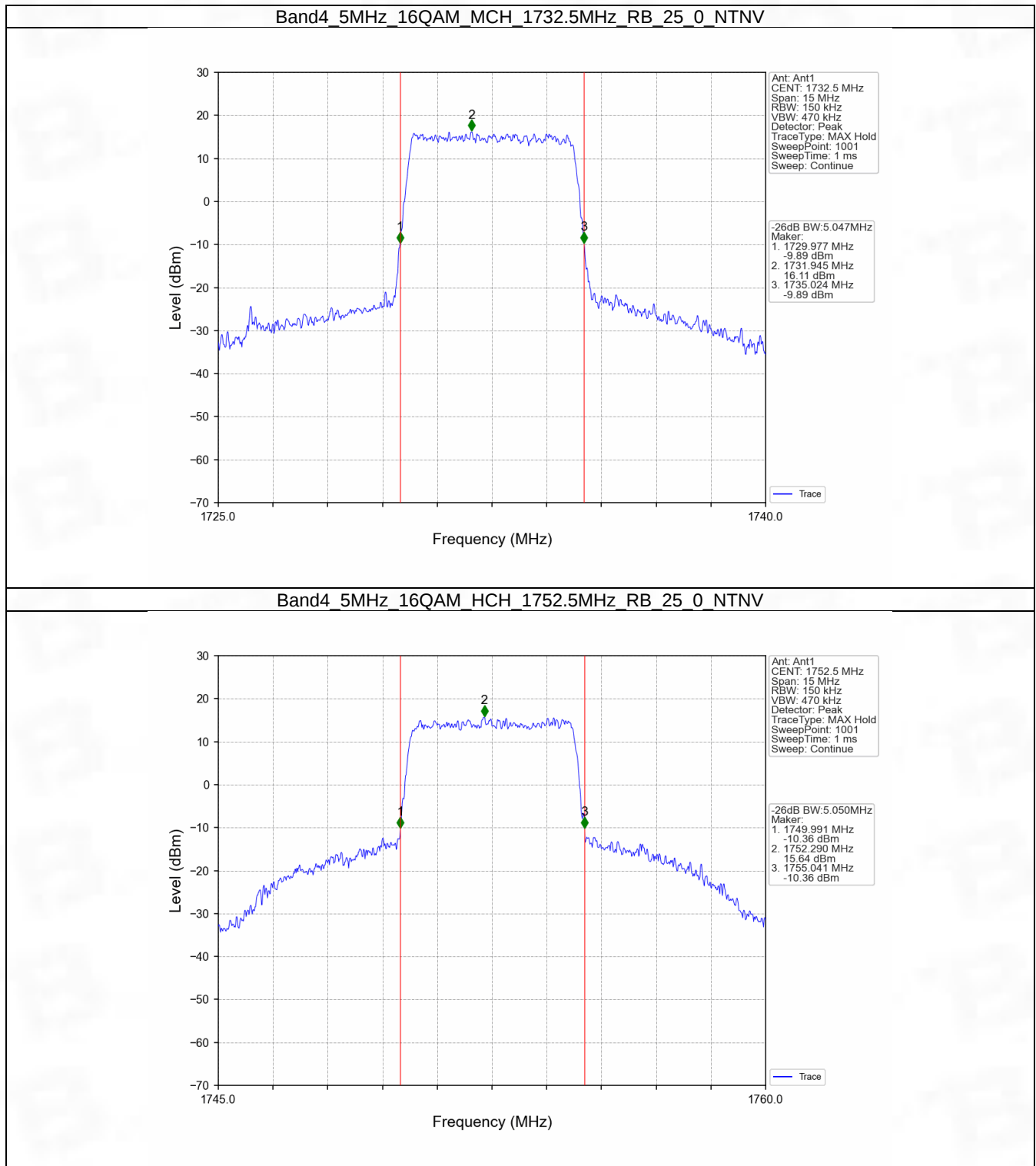


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

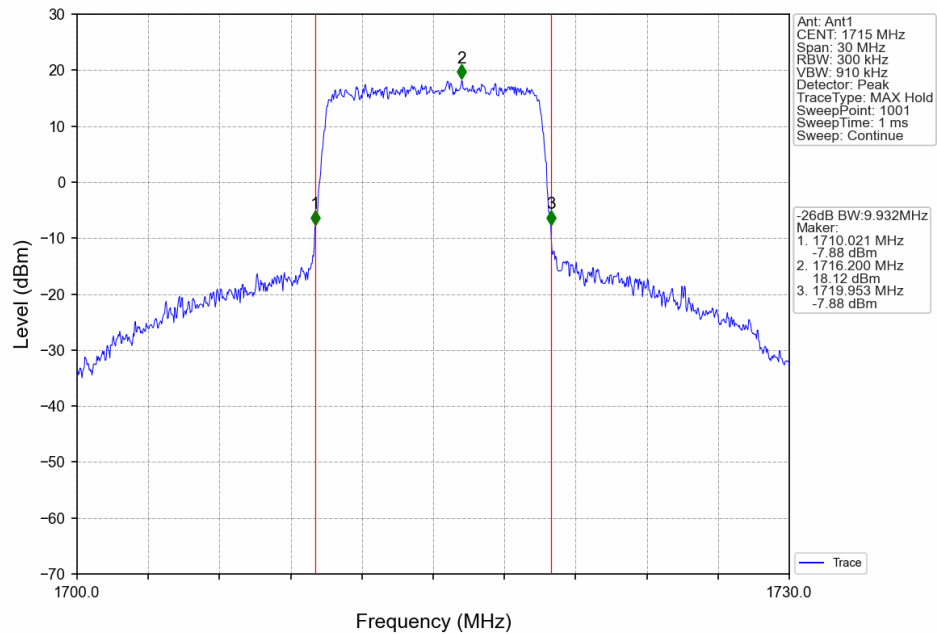


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

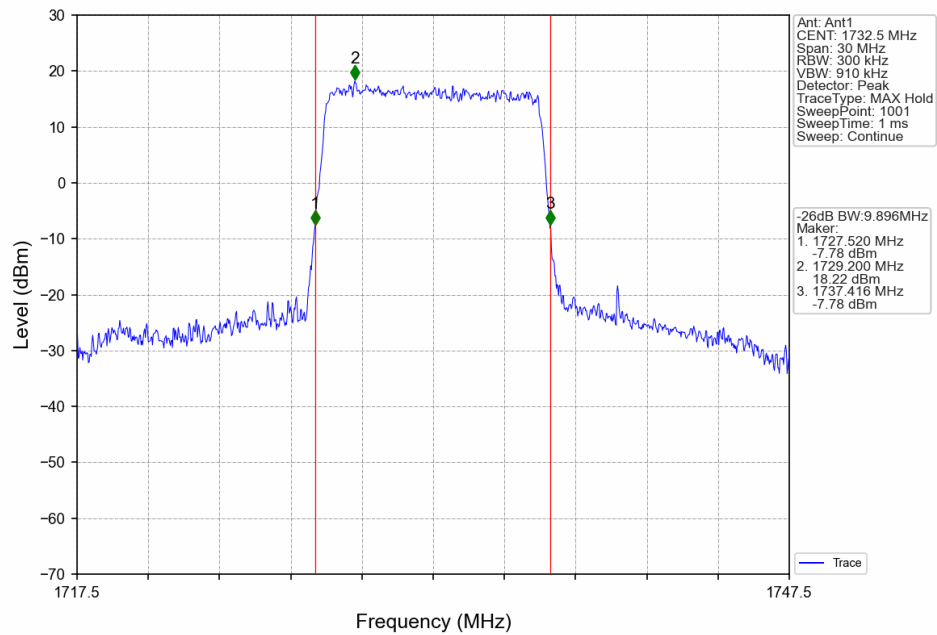




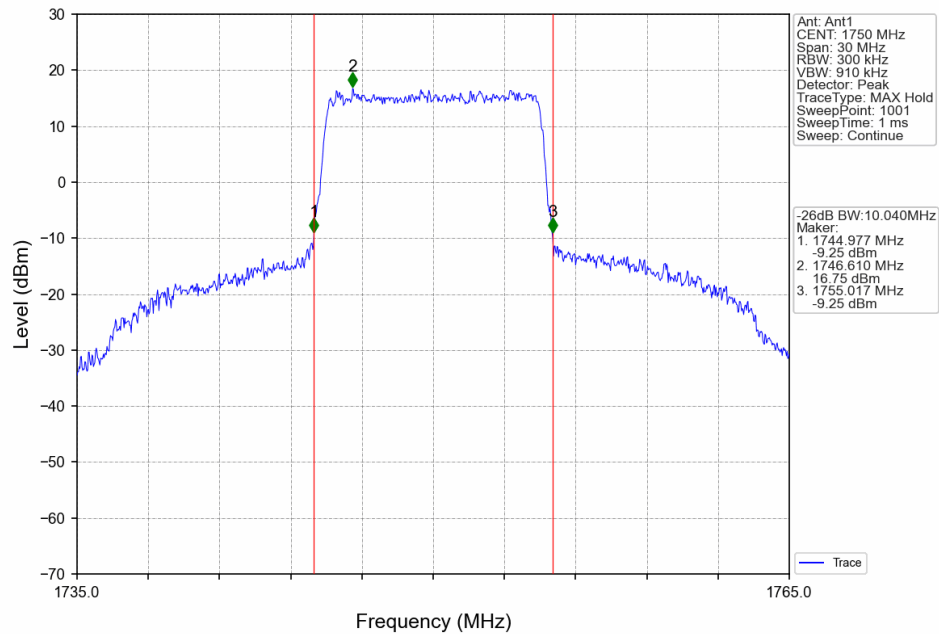
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



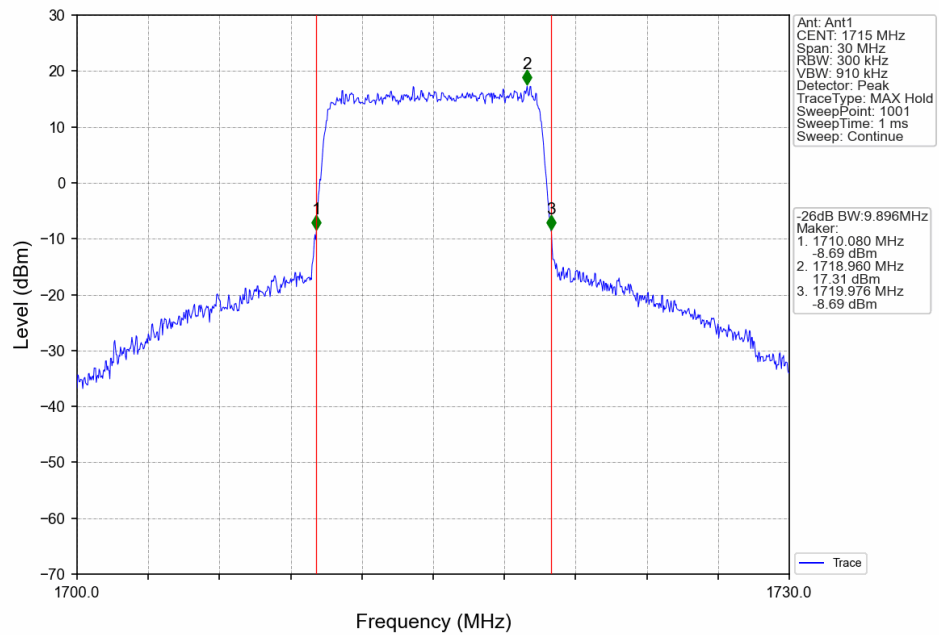
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



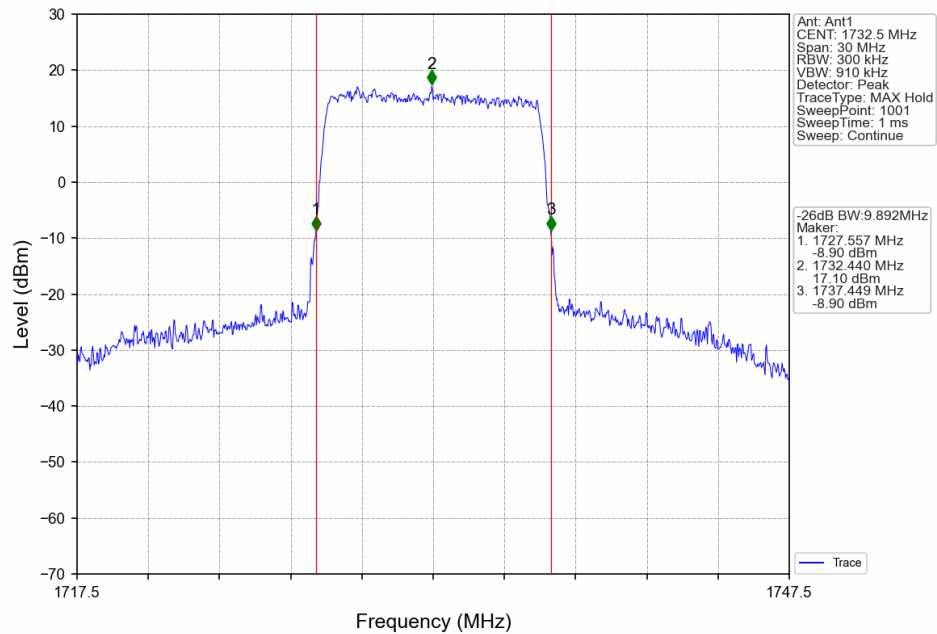
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



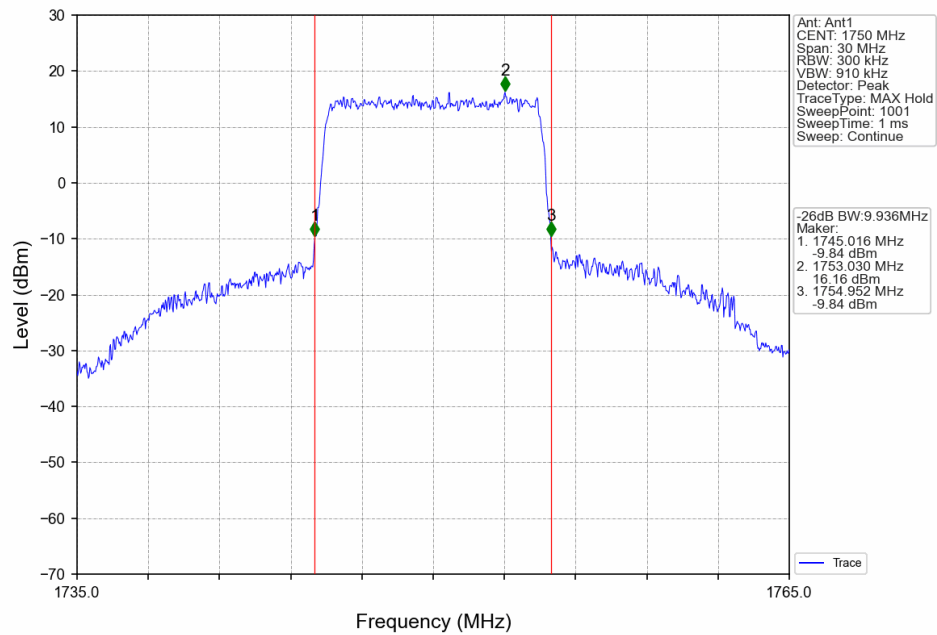
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



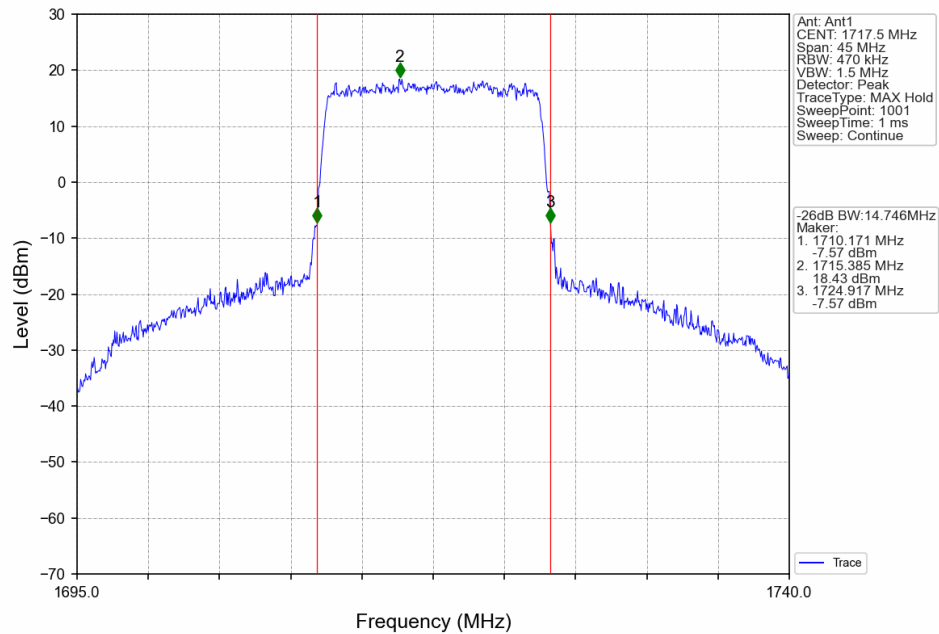
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



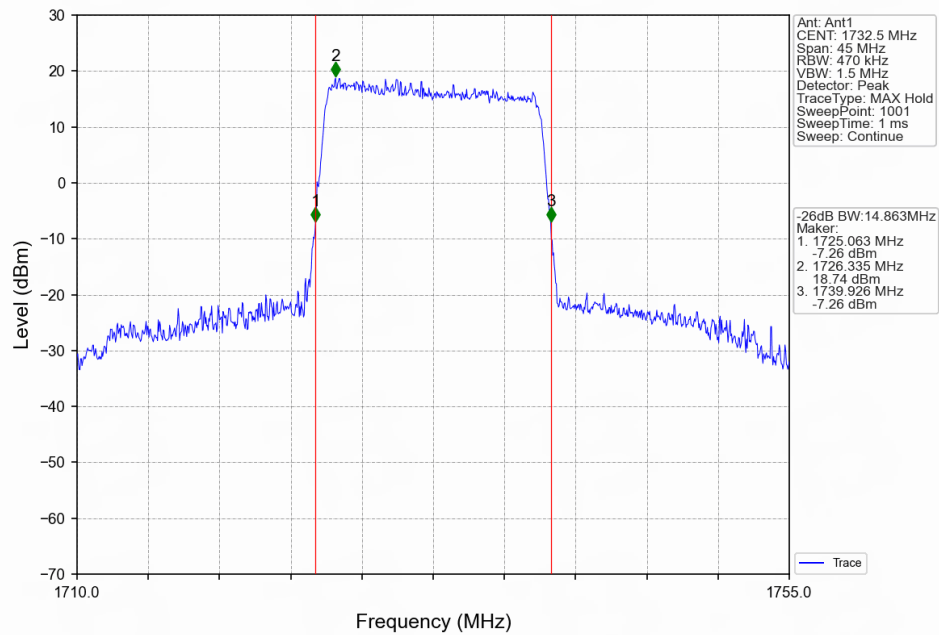
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



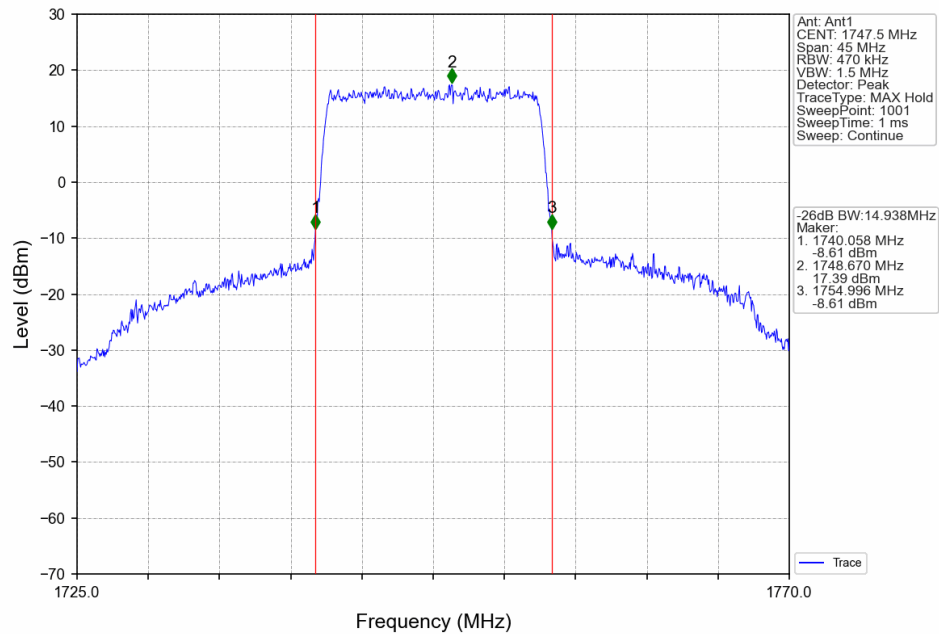
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



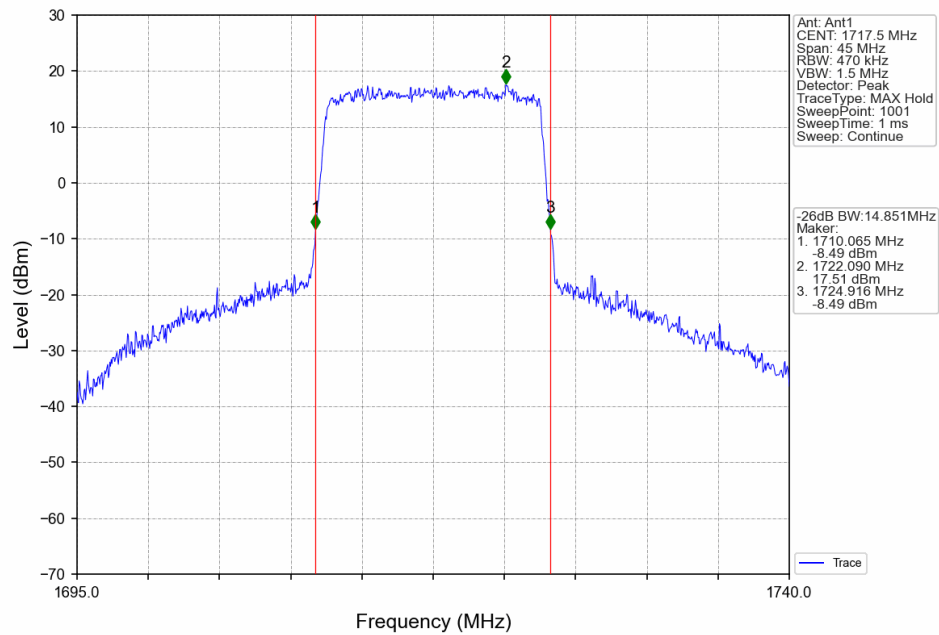
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



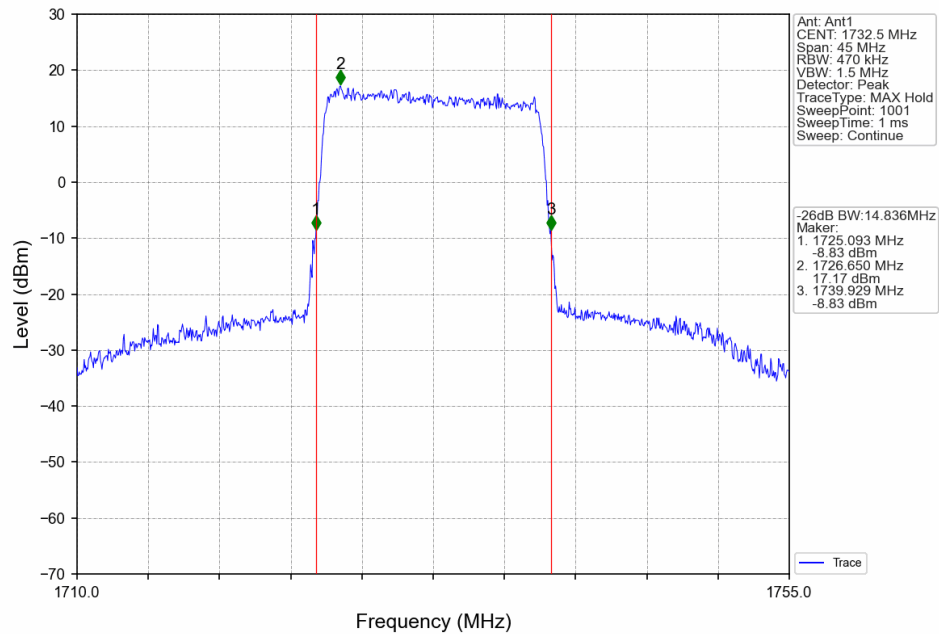
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



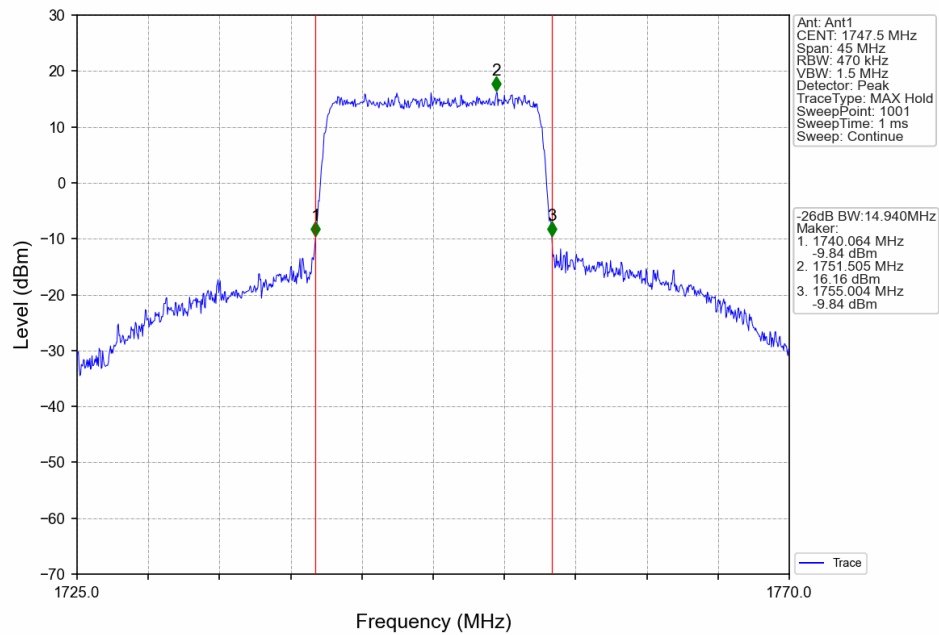
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



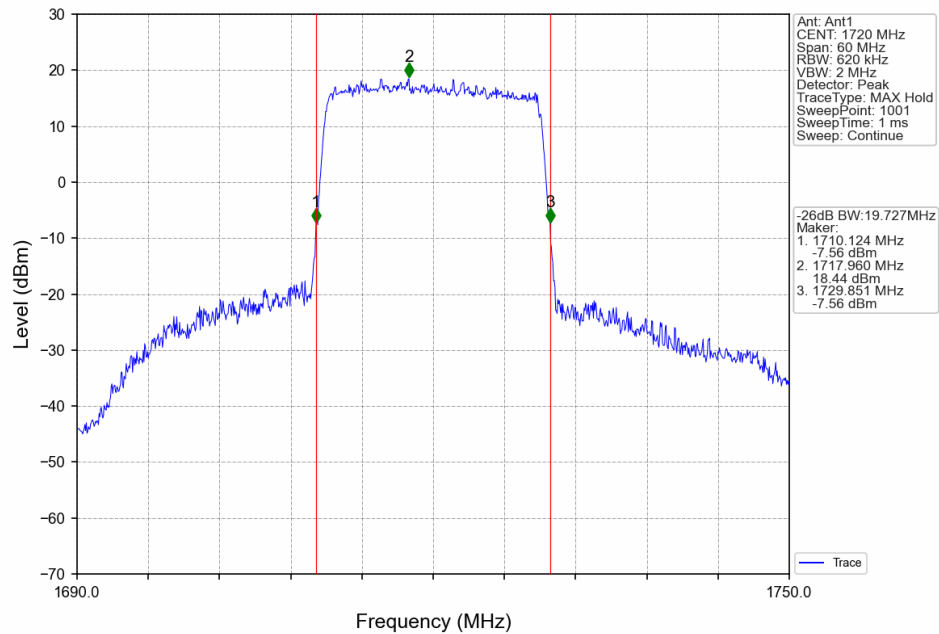
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



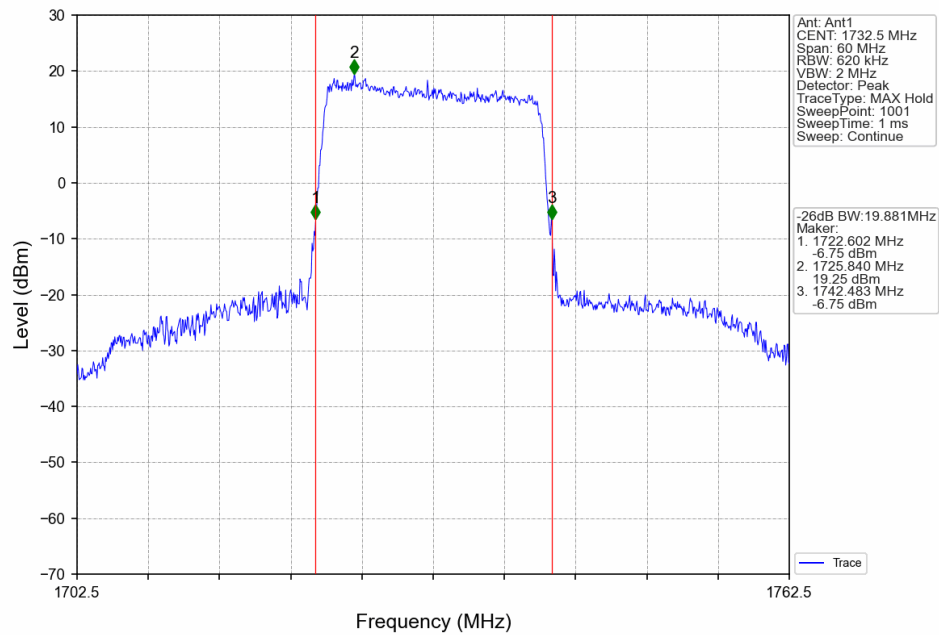
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



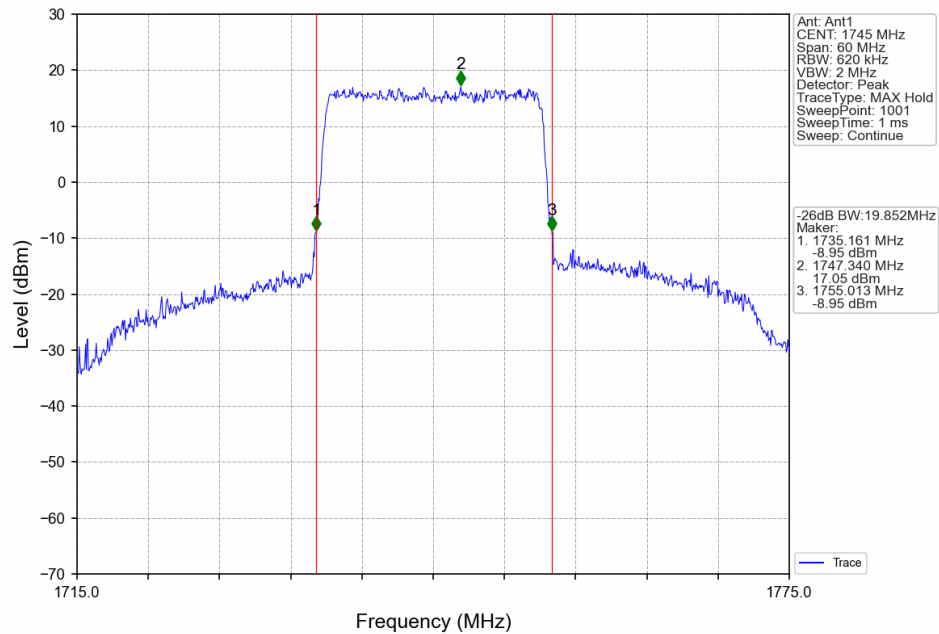
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



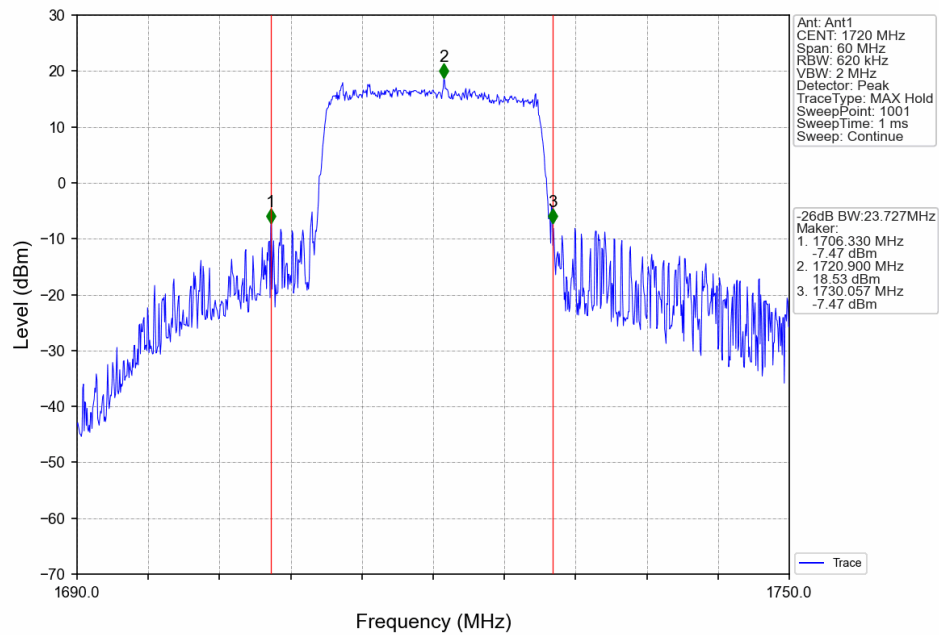
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



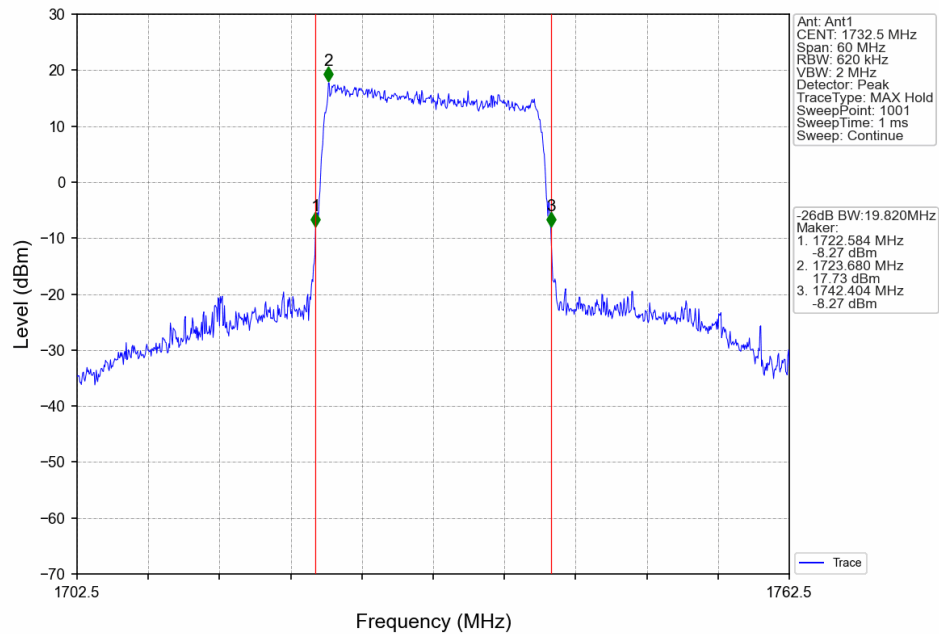
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



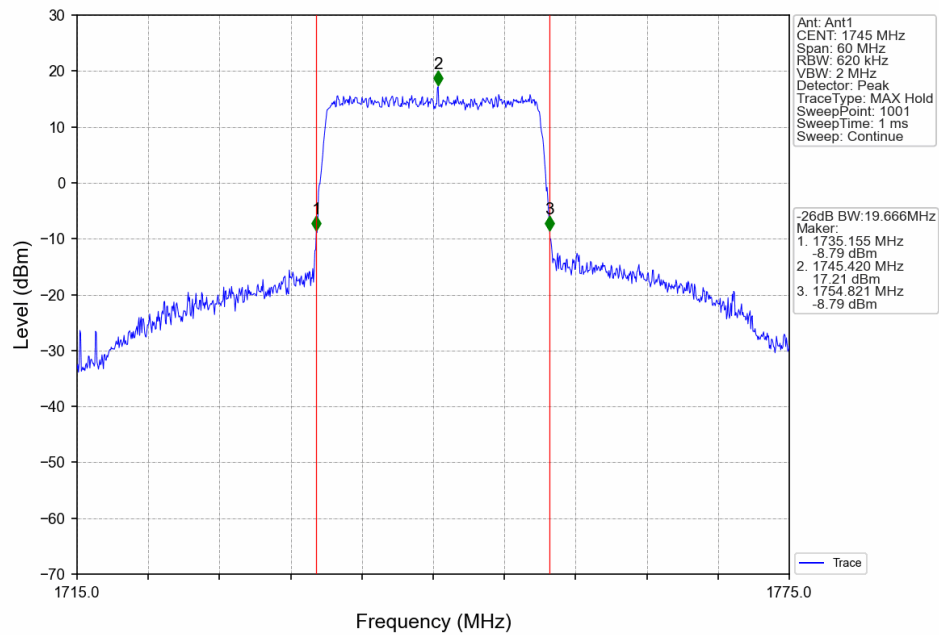
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



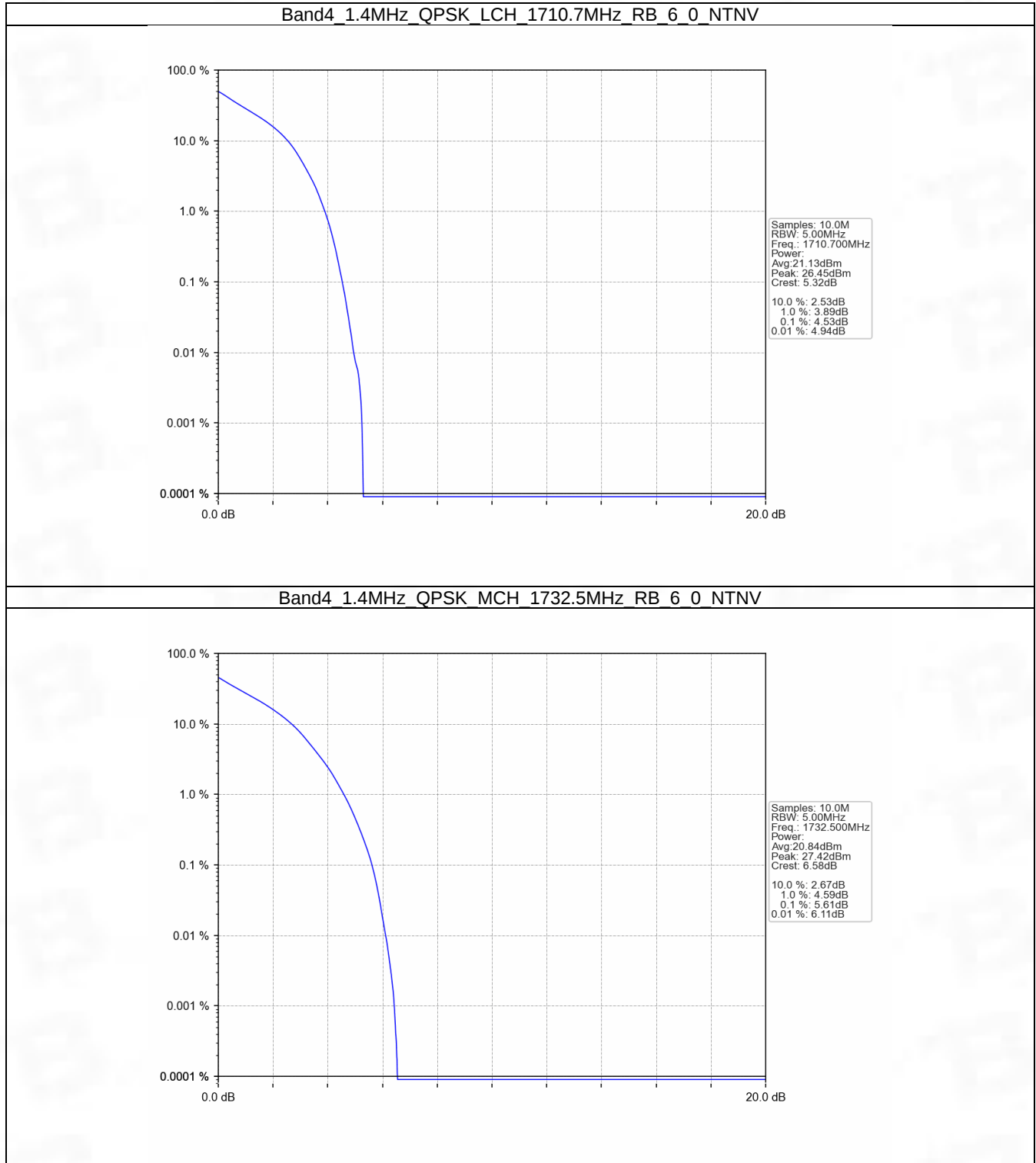
5. Peak-Average Ratio

5.1 B4_1.4MHz

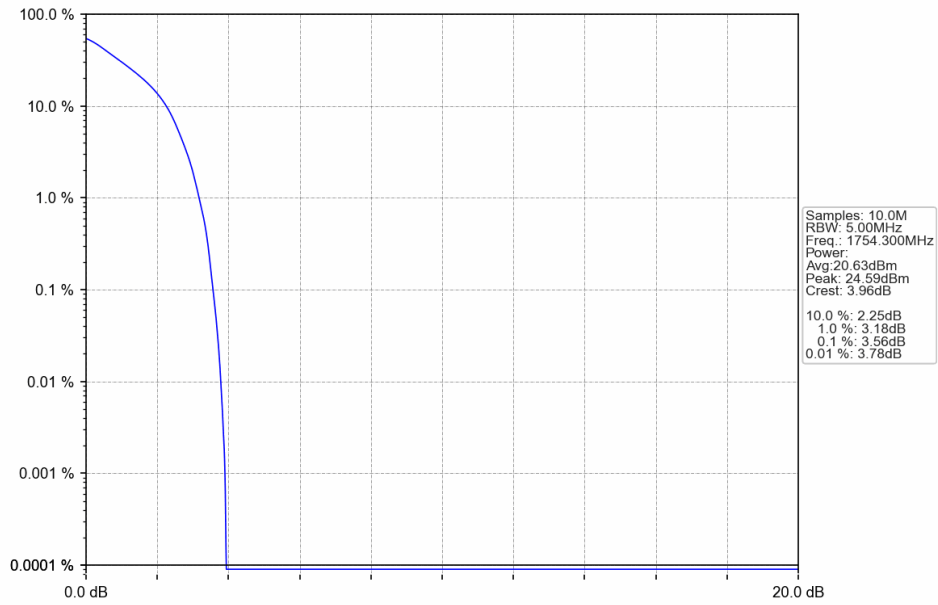
5.1.1 Test Result

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	4.53	<=13	Pass
	1732.5	6	0	5.61	<=13	Pass
	1754.3	6	0	3.56	<=13	Pass
16QAM	1710.7	6	0	5.38	<=13	Pass
	1732.5	6	0	6.41	<=13	Pass
	1754.3	6	0	4.60	<=13	Pass

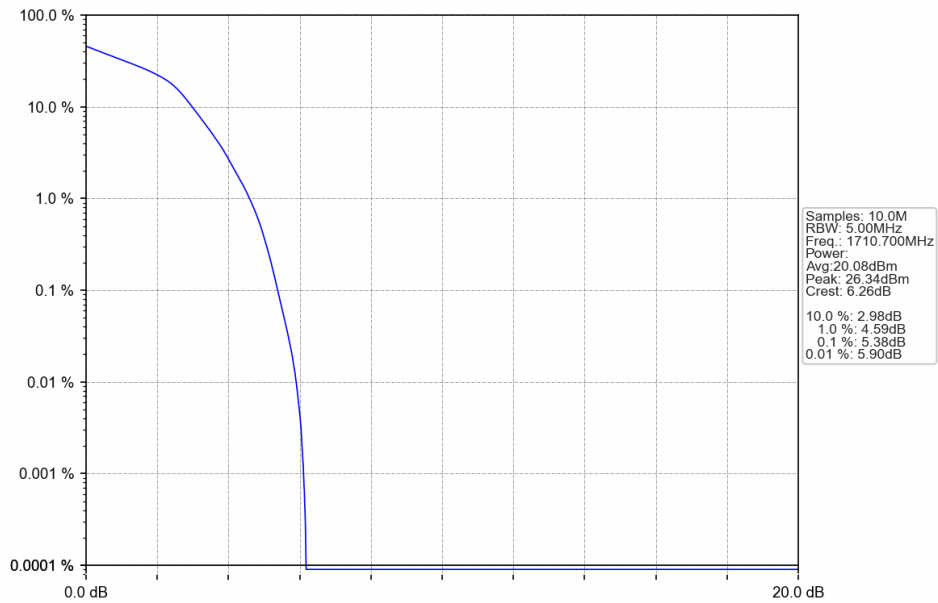
5.1.2 Test Graph



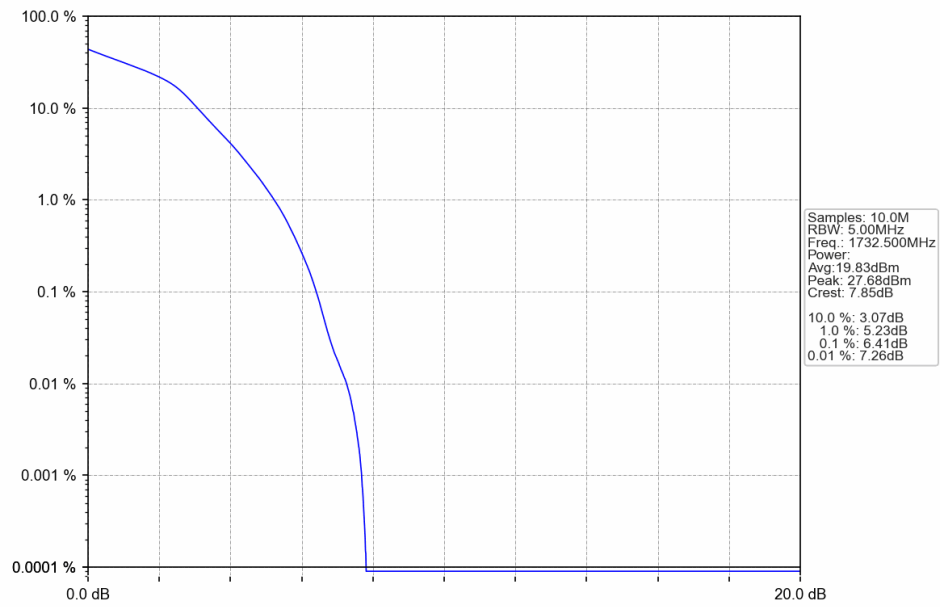
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



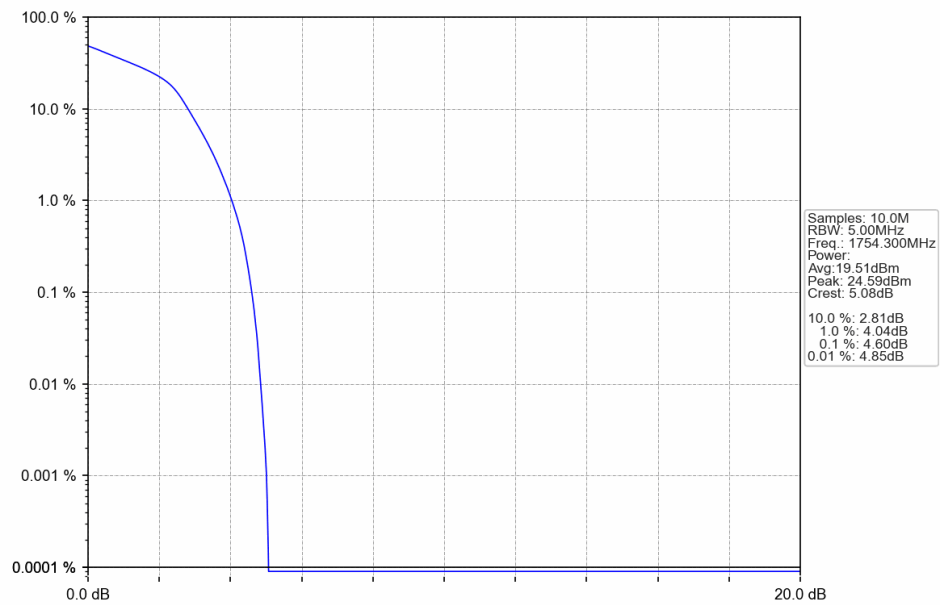
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



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



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

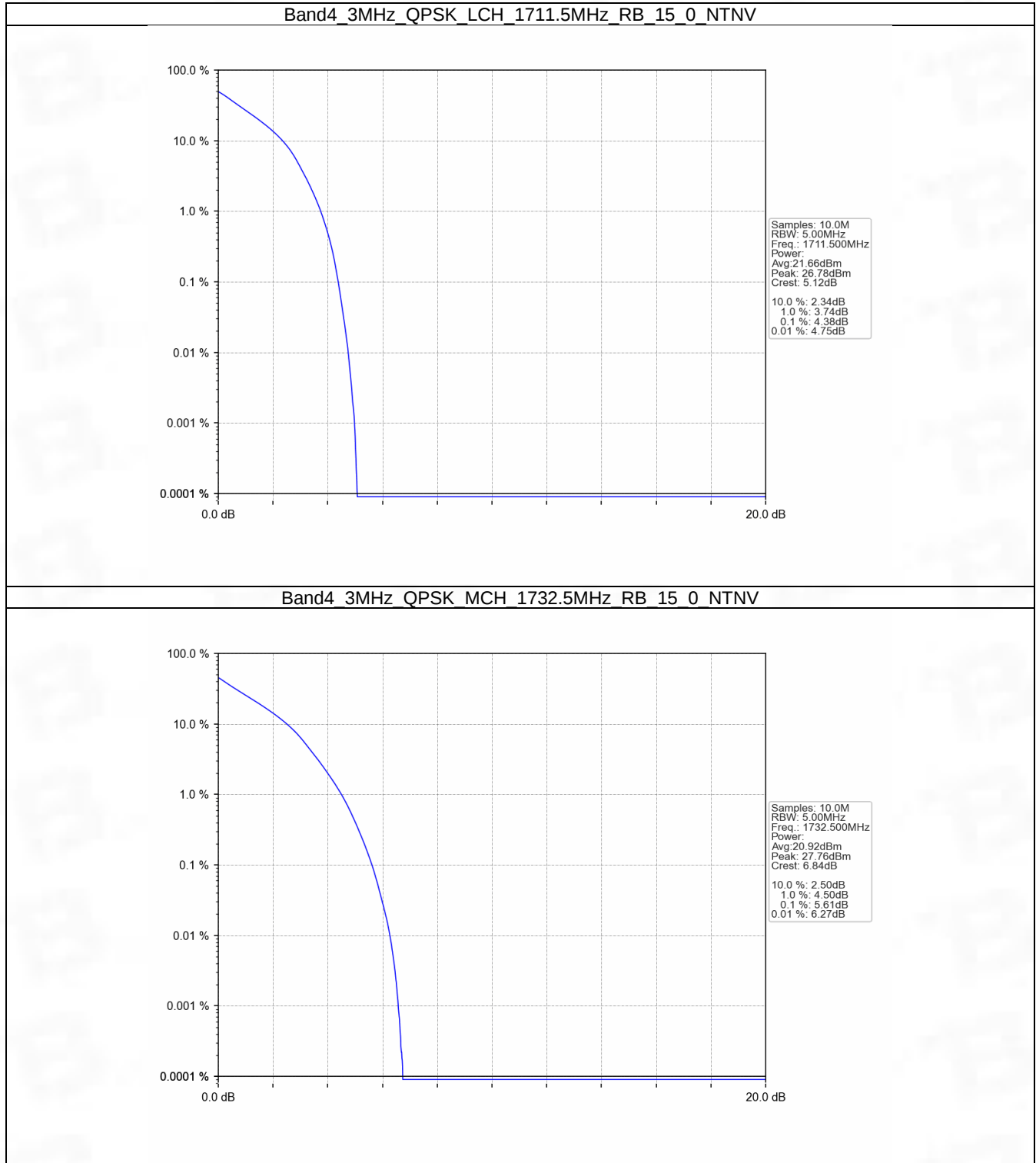


5.2 B4_3MHz

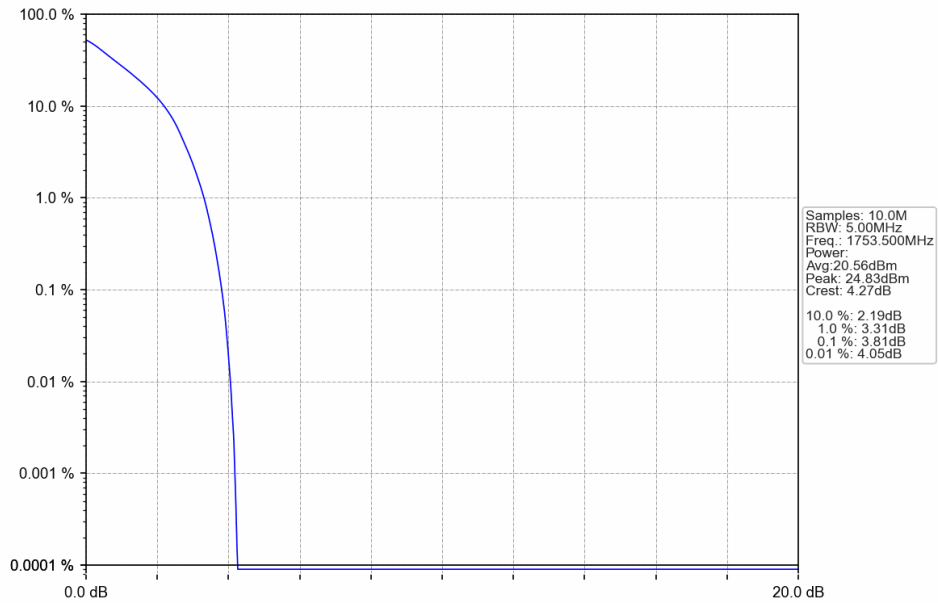
5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.38	<=13	Pass
	1732.5	15	0	5.61	<=13	Pass
	1753.5	15	0	3.81	<=13	Pass
16QAM	1711.5	15	0	5.41	<=13	Pass
	1732.5	15	0	6.47	<=13	Pass
	1753.5	15	0	4.75	<=13	Pass

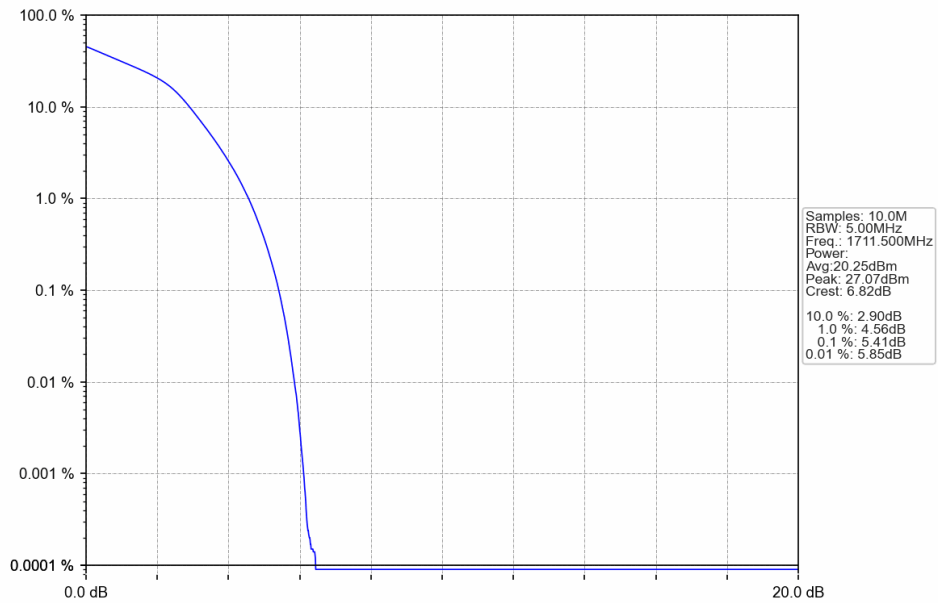
5.2.2 Test Graph

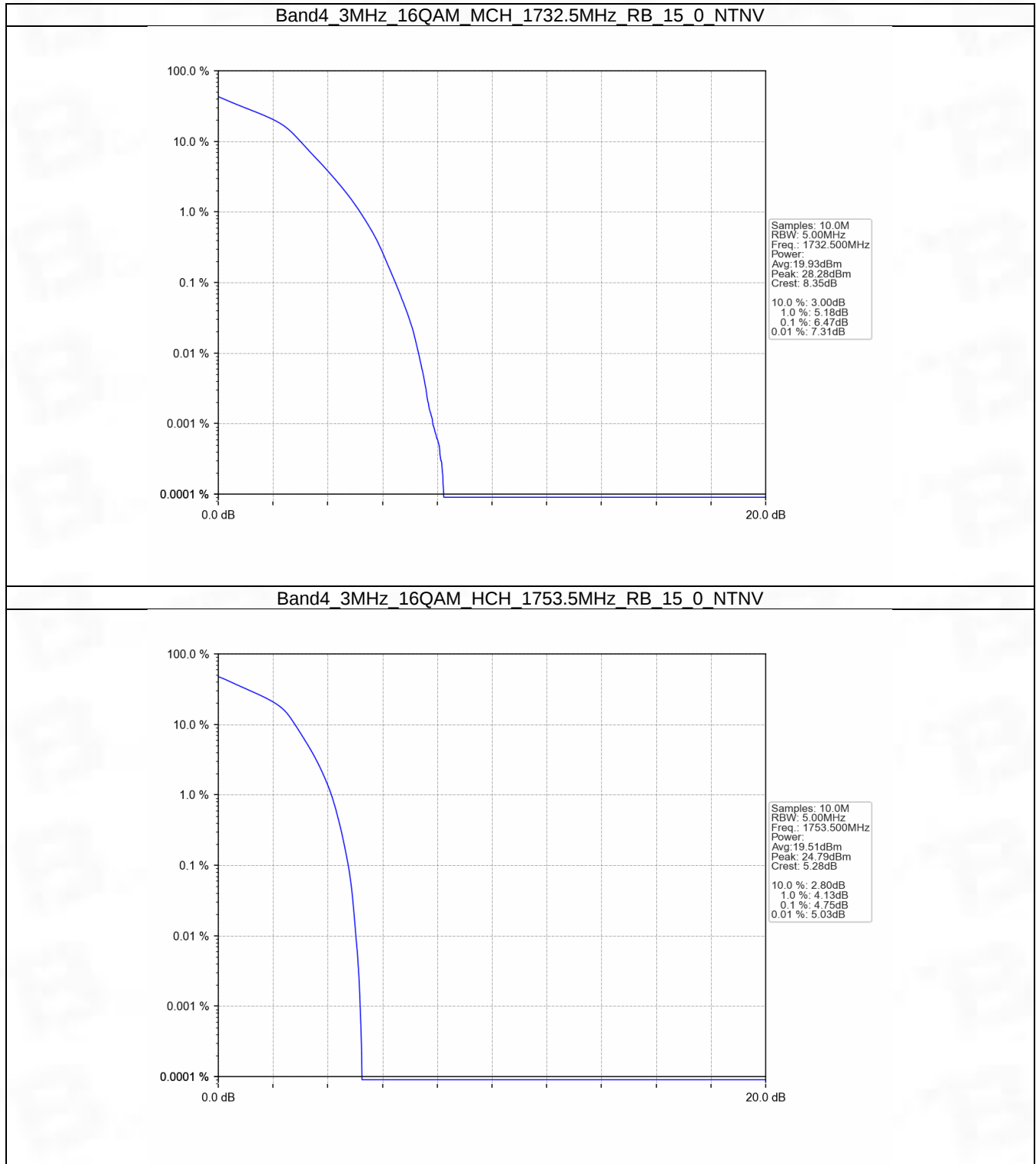


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV





5.3 B4_5MHz

5.3.1 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	4.85	<=13	Pass
	1732.5	25	0	5.77	<=13	Pass
	1752.5	25	0	4.49	<=13	Pass
16QAM	1712.5	25	0	5.70	<=13	Pass
	1732.5	25	0	6.48	<=13	Pass
	1752.5	25	0	5.23	<=13	Pass