

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	21.09	0.00	21.09	<=30	Pass
			2	21.14	0.00	21.14	<=30	Pass
			5	21.11	0.00	21.11	<=30	Pass
		3	0	21.18	0.00	21.18	<=30	Pass
			2	21.13	0.00	21.13	<=30	Pass
			3	21.04	0.00	21.04	<=30	Pass
		6	0	20.13	0.00	20.13	<=30	Pass
	1732.5	1	0	20.51	0.00	20.51	<=30	Pass
			2	20.53	0.00	20.53	<=30	Pass
			5	20.56	0.00	20.56	<=30	Pass
		3	0	20.59	0.00	20.59	<=30	Pass
			2	20.64	0.00	20.64	<=30	Pass
			3	20.58	0.00	20.58	<=30	Pass
		6	0	19.53	0.00	19.53	<=30	Pass
	1754.3	1	0	20.24	0.00	20.24	<=30	Pass
			2	20.14	0.00	20.14	<=30	Pass
			5	20.12	0.00	20.12	<=30	Pass
		3	0	20.10	0.00	20.10	<=30	Pass
			2	20.13	0.00	20.13	<=30	Pass
			3	20.05	0.00	20.05	<=30	Pass
		6	0	19.06	0.00	19.06	<=30	Pass
16QAM	1710.7	1	0	19.67	0.00	19.67	<=30	Pass
			2	19.61	0.00	19.61	<=30	Pass
			5	19.63	0.00	19.63	<=30	Pass
		3	0	20.08	0.00	20.08	<=30	Pass
			2	20.11	0.00	20.11	<=30	Pass
			3	20.07	0.00	20.07	<=30	Pass
		6	0	19.29	0.00	19.29	<=30	Pass
	1732.5	1	0	19.86	0.00	19.86	<=30	Pass
			2	19.78	0.00	19.78	<=30	Pass
			5	19.81	0.00	19.81	<=30	Pass
		3	0	19.88	0.00	19.88	<=30	Pass
			2	19.84	0.00	19.84	<=30	Pass
			3	19.79	0.00	19.79	<=30	Pass
		6	0	18.85	0.00	18.85	<=30	Pass
	1754.3	1	0	18.85	0.00	18.85	<=30	Pass
			2	18.89	0.00	18.89	<=30	Pass
			5	18.92	0.00	18.92	<=30	Pass
		3	0	19.01	0.00	19.01	<=30	Pass
			2	19.03	0.00	19.03	<=30	Pass
			3	19.02	0.00	19.02	<=30	Pass
		6	0	18.36	0.00	18.36	<=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	20.97	0.00	20.97	<=30	Pass
			7	21.01	0.00	21.01	<=30	Pass
			14	20.96	0.00	20.96	<=30	Pass
		8	0	20.01	0.00	20.01	<=30	Pass
			4	19.80	0.00	19.80	<=30	Pass
			7	20.16	0.00	20.16	<=30	Pass
		15	0	20.01	0.00	20.01	<=30	Pass
	1732.5	1	0	20.45	0.00	20.45	<=30	Pass
			7	20.44	0.00	20.44	<=30	Pass
			14	20.43	0.00	20.43	<=30	Pass
		8	0	19.47	0.00	19.47	<=30	Pass
			4	19.42	0.00	19.42	<=30	Pass
		7	19.39	0.00	19.39	<=30	Pass	
	15	0	19.36	0.00	19.36	<=30	Pass	
	1753.5	1	0	19.95	0.00	19.95	<=30	Pass
			7	19.99	0.00	19.99	<=30	Pass
			14	19.92	0.00	19.92	<=30	Pass
		8	0	19.20	0.00	19.20	<=30	Pass
			4	19.21	0.00	19.21	<=30	Pass
			7	19.13	0.00	19.13	<=30	Pass
		15	0	19.17	0.00	19.17	<=30	Pass
16QAM	1711.5	1	0	19.57	0.00	19.57	<=30	Pass
			7	19.48	0.00	19.48	<=30	Pass
			14	19.49	0.00	19.49	<=30	Pass
		8	0	19.37	0.00	19.37	<=30	Pass
			4	19.32	0.00	19.32	<=30	Pass
			7	19.38	0.00	19.38	<=30	Pass
		15	0	19.21	0.00	19.21	<=30	Pass
	1732.5	1	0	20.29	0.00	20.29	<=30	Pass
			7	20.29	0.00	20.29	<=30	Pass
			14	20.25	0.00	20.25	<=30	Pass
		8	0	18.75	0.00	18.75	<=30	Pass
			4	18.71	0.00	18.71	<=30	Pass
		7	18.68	0.00	18.68	<=30	Pass	
	15	0	18.63	0.00	18.63	<=30	Pass	
	1753.5	1	0	19.46	0.00	19.46	<=30	Pass
			7	19.42	0.00	19.42	<=30	Pass
			14	19.41	0.00	19.41	<=30	Pass
		8	0	18.50	0.00	18.50	<=30	Pass
4			18.49	0.00	18.49	<=30	Pass	
7			18.52	0.00	18.52	<=30	Pass	
15		0	18.35	0.00	18.35	<=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	20.93	0.00	20.93	<=30	Pass

			13	20.84	0.00	20.84	<=30	Pass
			24	20.82	0.00	20.82	<=30	Pass
			0	20.07	0.00	20.07	<=30	Pass
			6	19.95	0.00	19.95	<=30	Pass
			13	20.08	0.00	20.08	<=30	Pass
		25	0	20.11	0.00	20.11	<=30	Pass
		1732.5	0	20.60	0.00	20.60	<=30	Pass
			13	20.58	0.00	20.58	<=30	Pass
			24	20.47	0.00	20.47	<=30	Pass
			0	19.44	0.00	19.44	<=30	Pass
			6	19.35	0.00	19.35	<=30	Pass
			13	19.51	0.00	19.51	<=30	Pass
		25	0	19.48	0.00	19.48	<=30	Pass
	1752.5	1	0	20.20	0.00	20.20	<=30	Pass
			13	20.19	0.00	20.19	<=30	Pass
			24	20.27	0.00	20.27	<=30	Pass
		12	0	19.13	0.00	19.13	<=30	Pass
			6	19.22	0.00	19.22	<=30	Pass
			13	19.23	0.00	19.23	<=30	Pass
		25	0	19.09	0.00	19.09	<=30	Pass
	16QAM	1712.5	0	20.21	0.00	20.21	<=30	Pass
			13	20.08	0.00	20.08	<=30	Pass
			24	20.13	0.00	20.13	<=30	Pass
			0	19.18	0.00	19.18	<=30	Pass
			6	19.16	0.00	19.16	<=30	Pass
			13	19.14	0.00	19.14	<=30	Pass
		25	0	19.29	0.00	19.29	<=30	Pass
		1732.5	0	19.80	0.00	19.80	<=30	Pass
			13	19.67	0.00	19.67	<=30	Pass
			24	19.63	0.00	19.63	<=30	Pass
			0	18.59	0.00	18.59	<=30	Pass
			6	18.64	0.00	18.64	<=30	Pass
			13	18.57	0.00	18.57	<=30	Pass
		25	0	18.60	0.00	18.60	<=30	Pass
		1752.5	0	18.33	0.00	18.33	<=30	Pass
			13	18.34	0.00	18.34	<=30	Pass
			24	18.37	0.00	18.37	<=30	Pass
			0	18.33	0.00	18.33	<=30	Pass
			6	18.25	0.00	18.25	<=30	Pass
			13	18.26	0.00	18.26	<=30	Pass
		25	0	18.36	0.00	18.36	<=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	21.01	0.00	21.01	<=30	Pass
			25	20.89	0.00	20.89	<=30	Pass
			49	20.83	0.00	20.83	<=30	Pass
		25	0	20.12	0.00	20.12	<=30	Pass
			13	19.89	0.00	19.89	<=30	Pass
			25	19.84	0.00	19.84	<=30	Pass
		50	0	19.94	0.00	19.94	<=30	Pass
	1732.5	1	0	20.68	0.00	20.68	<=30	Pass
			25	20.51	0.00	20.51	<=30	Pass

		25	49	20.36	0.00	20.36	<=30	Pass
			0	19.61	0.00	19.61	<=30	Pass
			13	19.49	0.00	19.49	<=30	Pass
			25	19.32	0.00	19.32	<=30	Pass
		50	0	19.42	0.00	19.42	<=30	Pass
	1750	1	0	20.11	0.00	20.11	<=30	Pass
			25	20.12	0.00	20.12	<=30	Pass
			49	20.13	0.00	20.13	<=30	Pass
		25	0	19.20	0.00	19.20	<=30	Pass
			13	19.15	0.00	19.15	<=30	Pass
			25	19.10	0.00	19.10	<=30	Pass
		50	0	19.08	0.00	19.08	<=30	Pass

16QAM	1715	1	0	19.98	0.00	19.98	<=30	Pass
			25	19.80	0.00	19.80	<=30	Pass
			49	19.66	0.00	19.66	<=30	Pass
		25	0	19.29	0.00	19.29	<=30	Pass
			13	19.27	0.00	19.27	<=30	Pass
			25	19.29	0.00	19.29	<=30	Pass
		50	0	19.14	0.00	19.14	<=30	Pass
	1732.5	1	0	19.84	0.00	19.84	<=30	Pass
			25	19.73	0.00	19.73	<=30	Pass
			49	19.55	0.00	19.55	<=30	Pass
		25	0	18.80	0.00	18.80	<=30	Pass
			13	18.72	0.00	18.72	<=30	Pass
			25	18.68	0.00	18.68	<=30	Pass
		50	0	18.74	0.00	18.74	<=30	Pass
	1750	1	0	19.52	0.00	19.52	<=30	Pass
			25	19.55	0.00	19.55	<=30	Pass
			49	19.56	0.00	19.56	<=30	Pass
		25	0	18.28	0.00	18.28	<=30	Pass
			13	18.35	0.00	18.35	<=30	Pass
			25	18.30	0.00	18.30	<=30	Pass
		50	0	18.38	0.00	18.38	<=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	20.85	0.00	20.85	<=30	Pass
			38	20.71	0.00	20.71	<=30	Pass
			74	20.54	0.00	20.54	<=30	Pass
		36	0	20.02	0.00	20.02	<=30	Pass
			18	19.86	0.00	19.86	<=30	Pass
			39	19.89	0.00	19.89	<=30	Pass
		75	0	19.91	0.00	19.91	<=30	Pass
	1732.5	1	0	20.73	0.00	20.73	<=30	Pass
			38	20.53	0.00	20.53	<=30	Pass
			74	20.32	0.00	20.32	<=30	Pass
		36	0	19.51	0.00	19.51	<=30	Pass
			18	19.54	0.00	19.54	<=30	Pass
			39	19.37	0.00	19.37	<=30	Pass
		75	0	19.57	0.00	19.57	<=30	Pass
	1747.5	1	0	20.20	0.00	20.20	<=30	Pass
			38	20.17	0.00	20.17	<=30	Pass
			74	20.13	0.00	20.13	<=30	Pass

		36	0	19.27	0.00	19.27	<=30	Pass		
			18	19.21	0.00	19.21	<=30	Pass		
			39	19.09	0.00	19.09	<=30	Pass		
		75	0	19.23	0.00	19.23	<=30	Pass		
16QAM	1717.5	1	0	20.41	0.00	20.41	<=30	Pass		
			38	20.31	0.00	20.31	<=30	Pass		
			74	20.09	0.00	20.09	<=30	Pass		
		36	0	19.14	0.00	19.14	<=30	Pass		
			18	19.09	0.00	19.09	<=30	Pass		
			39	19.03	0.00	19.03	<=30	Pass		
		75	0	19.07	0.00	19.07	<=30	Pass		
		1732.5	1	0	19.92	0.00	19.92	<=30	Pass	
				38	19.67	0.00	19.67	<=30	Pass	
	74			19.59	0.00	19.59	<=30	Pass		
	36		0	18.82	0.00	18.82	<=30	Pass		
			18	18.71	0.00	18.71	<=30	Pass		
			39	18.65	0.00	18.65	<=30	Pass		
	75		0	18.74	0.00	18.74	<=30	Pass		
	1747.5		1	0	19.67	0.00	19.67	<=30	Pass	
				38	19.58	0.00	19.58	<=30	Pass	
		74		19.55	0.00	19.55	<=30	Pass		
		36	0	18.57	0.00	18.57	<=30	Pass		
			18	18.48	0.00	18.48	<=30	Pass		
			39	18.49	0.00	18.49	<=30	Pass		
		75	0	18.40	0.00	18.40	<=30	Pass		
		Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	21.03	0.00	21.03	<=30	Pass
			50	20.88	0.00	20.88	<=30	Pass
			99	20.60	0.00	20.60	<=30	Pass
		50	0	20.02	0.00	20.02	<=30	Pass
			25	19.80	0.00	19.80	<=30	Pass
			50	19.79	0.00	19.79	<=30	Pass
		100	0	19.79	0.00	19.79	<=30	Pass
			0	20.72	0.00	20.72	<=30	Pass
			50	20.47	0.00	20.47	<=30	Pass
	1732.5	1	99	20.20	0.00	20.20	<=30	Pass
			0	19.73	0.00	19.73	<=30	Pass
			25	19.54	0.00	19.54	<=30	Pass
		50	50	19.37	0.00	19.37	<=30	Pass
			0	19.53	0.00	19.53	<=30	Pass
			0	20.64	0.00	20.64	<=30	Pass
		100	50	20.51	0.00	20.51	<=30	Pass
			99	20.45	0.00	20.45	<=30	Pass
			0	19.20	0.00	19.20	<=30	Pass
	1745	50	25	19.15	0.00	19.15	<=30	Pass
			50	19.24	0.00	19.24	<=30	Pass
			0	19.17	0.00	19.17	<=30	Pass
16QAM	1720	1	0	20.98	0.00	20.98	<=30	Pass
			50	20.62	0.00	20.62	<=30	Pass
			99	20.48	0.00	20.48	<=30	Pass
		50	0	19.18	0.00	19.18	<=30	Pass

		100	25	18.95	0.00	18.95	<=30	Pass
			50	18.84	0.00	18.84	<=30	Pass
			0	19.12	0.00	19.12	<=30	Pass
	1732.5	1	0	20.37	0.00	20.37	<=30	Pass
			50	19.99	0.00	19.99	<=30	Pass
			99	19.72	0.00	19.72	<=30	Pass
		50	0	18.95	0.00	18.95	<=30	Pass
			25	18.80	0.00	18.80	<=30	Pass
			50	18.59	0.00	18.59	<=30	Pass
		100	0	18.72	0.00	18.72	<=30	Pass
	1745	1	0	18.84	0.00	18.84	<=30	Pass
			50	18.71	0.00	18.71	<=30	Pass
			99	18.66	0.00	18.66	<=30	Pass
		50	0	18.50	0.00	18.50	<=30	Pass
			25	18.43	0.00	18.43	<=30	Pass
			50	18.46	0.00	18.46	<=30	Pass
		100	0	18.42	0.00	18.42	<=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	-12.131	-0.0071	-2.5 to 2.5	Pass
					3.85	-12.188	-0.0071	-2.5 to 2.5	Pass
					4.43	-9.856	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
					3.85	2.103	0.0012	-2.5 to 2.5	Pass
					3.85	7.138	0.0042	-2.5 to 2.5	Pass
				0	3.85	11.144	0.0065	-2.5 to 2.5	Pass
					3.85	15.235	0.0089	-2.5 to 2.5	Pass
					3.85	18.969	0.0111	-2.5 to 2.5	Pass
				40	3.85	22.631	0.0132	-2.5 to 2.5	Pass
					3.85	25.506	0.0149	-2.5 to 2.5	Pass
					3.85	25.506	0.0149	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-31.428	-0.0181	-2.5 to 2.5	Pass
					3.85	-26.779	-0.0155	-2.5 to 2.5	Pass
					4.43	-21.501	-0.0124	-2.5 to 2.5	Pass
				-30	3.85	-16.279	-0.0094	-2.5 to 2.5	Pass
					3.85	-10.128	-0.0058	-2.5 to 2.5	Pass
					3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				0	3.85	0.143	0.0001	-2.5 to 2.5	Pass
					3.85	4.420	0.0026	-2.5 to 2.5	Pass
					3.85	8.183	0.0047	-2.5 to 2.5	Pass
				40	3.85	11.530	0.0067	-2.5 to 2.5	Pass
					3.85	14.734	0.0085	-2.5 to 2.5	Pass
					3.85	14.734	0.0085	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	24.190	0.0138	-2.5 to 2.5	Pass
					3.85	22.202	0.0127	-2.5 to 2.5	Pass
					4.43	18.139	0.0103	-2.5 to 2.5	Pass
				-30	3.85	14.935	0.0085	-2.5 to 2.5	Pass
					3.85	11.873	0.0068	-2.5 to 2.5	Pass
					3.85	10.257	0.0058	-2.5 to 2.5	Pass
				0	3.85	7.596	0.0043	-2.5 to 2.5	Pass
					3.85	7.596	0.0043	-2.5 to 2.5	Pass

16QAM				10	3.85	5.822	0.0033	-2.5 to 2.5	Pass
				30	3.85	3.819	0.0022	-2.5 to 2.5	Pass
				40	3.85	1.588	0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
	1710.7	6	0	20	3.27	30.999	0.0181	-2.5 to 2.5	Pass
					3.85	34.704	0.0203	-2.5 to 2.5	Pass
					4.43	36.006	0.0210	-2.5 to 2.5	Pass
				-30	3.85	36.621	0.0214	-2.5 to 2.5	Pass
				-20	3.85	37.751	0.0221	-2.5 to 2.5	Pass
				-10	3.85	37.165	0.0217	-2.5 to 2.5	Pass
				0	3.85	36.693	0.0214	-2.5 to 2.5	Pass
				10	3.85	36.464	0.0213	-2.5 to 2.5	Pass
				30	3.85	35.691	0.0209	-2.5 to 2.5	Pass
				40	3.85	34.904	0.0204	-2.5 to 2.5	Pass
				50	3.85	33.503	0.0196	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	17.152	0.0099	-2.5 to 2.5	Pass
					3.85	20.542	0.0119	-2.5 to 2.5	Pass
					4.43	21.915	0.0126	-2.5 to 2.5	Pass
				-30	3.85	22.702	0.0131	-2.5 to 2.5	Pass
				-20	3.85	22.416	0.0129	-2.5 to 2.5	Pass
				-10	3.85	22.759	0.0131	-2.5 to 2.5	Pass
				0	3.85	22.488	0.0130	-2.5 to 2.5	Pass
				10	3.85	21.830	0.0126	-2.5 to 2.5	Pass
				30	3.85	21.086	0.0122	-2.5 to 2.5	Pass
				40	3.85	20.828	0.0120	-2.5 to 2.5	Pass
				50	3.85	19.813	0.0114	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-3.018	-0.0017	-2.5 to 2.5	Pass
					3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
					4.43	-5.264	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-7.353	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-8.540	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-11.330	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-13.161	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-16.222	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-18.740	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-20.800	-0.0119	-2.5 to 2.5	Pass
				50	3.85	-23.818	-0.0136	-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	-9.270	-0.0054	-2.5 to 2.5	Pass
					3.85	-17.338	-0.0101	-2.5 to 2.5	Pass
					4.43	-20.728	-0.0121	-2.5 to 2.5	Pass
				-30	3.85	-22.774	-0.0133	-2.5 to 2.5	Pass
				-20	3.85	-24.762	-0.0145	-2.5 to 2.5	Pass
				-10	3.85	-25.392	-0.0148	-2.5 to 2.5	Pass
				0	3.85	-25.563	-0.0149	-2.5 to 2.5	Pass
				10	3.85	-27.151	-0.0159	-2.5 to 2.5	Pass
				30	3.85	-28.110	-0.0164	-2.5 to 2.5	Pass
				40	3.85	-30.456	-0.0178	-2.5 to 2.5	Pass
				50	3.85	-32.759	-0.0191	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	7.725	0.0045	-2.5 to 2.5	Pass
					3.85	1.717	0.0010	-2.5 to 2.5	Pass
					4.43	-4.120	-0.0024	-2.5 to 2.5	Pass

				-30	3.85	-8.883	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-13.504	-0.0078	-2.5 to 2.5	Pass
				-10	3.85	-16.880	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-20.013	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-22.902	-0.0132	-2.5 to 2.5	Pass
				30	3.85	-26.436	-0.0153	-2.5 to 2.5	Pass
				40	3.85	-29.697	-0.0171	-2.5 to 2.5	Pass
				50	3.85	-32.501	-0.0188	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	18.511	0.0106	-2.5 to 2.5	Pass
					3.85	14.548	0.0083	-2.5 to 2.5	Pass
					4.43	9.284	0.0053	-2.5 to 2.5	Pass
				-30	3.85	5.307	0.0030	-2.5 to 2.5	Pass
				-20	3.85	1.774	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-8.969	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-11.787	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-15.435	-0.0088	-2.5 to 2.5	Pass
	1711.5	15	0	20	3.27	-35.534	-0.0208	-2.5 to 2.5	Pass
					3.85	-34.890	-0.0204	-2.5 to 2.5	Pass
					4.43	-36.635	-0.0214	-2.5 to 2.5	Pass
				-30	3.85	-38.652	-0.0226	-2.5 to 2.5	Pass
				-20	3.85	-40.727	-0.0238	-2.5 to 2.5	Pass
				-10	3.85	-43.502	-0.0254	-2.5 to 2.5	Pass
				0	3.85	-46.148	-0.0270	-2.5 to 2.5	Pass
				10	3.85	-48.852	-0.0285	-2.5 to 2.5	Pass
				30	3.85	-41.857	-0.0245	-2.5 to 2.5	Pass
				40	3.85	-4.735	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-7.696	-0.0045	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-35.791	-0.0207	-2.5 to 2.5	Pass
					3.85	-36.449	-0.0210	-2.5 to 2.5	Pass
					4.43	-37.994	-0.0219	-2.5 to 2.5	Pass
				-30	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-4.807	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-7.567	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-10.343	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-12.159	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-14.377	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-16.150	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-18.668	-0.0108	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-17.095	-0.0097	-2.5 to 2.5	Pass
					3.85	-16.809	-0.0096	-2.5 to 2.5	Pass
					4.43	-17.180	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-19.126	-0.0109	-2.5 to 2.5	Pass
				-20	3.85	-20.599	-0.0117	-2.5 to 2.5	Pass
				-10	3.85	-22.044	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-23.975	-0.0137	-2.5 to 2.5	Pass
				10	3.85	-26.021	-0.0148	-2.5 to 2.5	Pass
				30	3.85	-26.965	-0.0154	-2.5 to 2.5	Pass
				40	3.85	-28.853	-0.0165	-2.5 to 2.5	Pass
				50	3.85	-30.155	-0.0172	-2.5 to 2.5	Pass

2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	1712.5	25	0	20	3.27	2.575	0.0015	-2.5 to 2.5	Pass
					3.85	-11.959	-0.0070	-2.5 to 2.5	Pass
					4.43	-20.800	-0.0121	-2.5 to 2.5	Pass
				-30	3.85	-27.180	-0.0159	-2.5 to 2.5	Pass
				-20	3.85	-30.971	-0.0181	-2.5 to 2.5	Pass
				-10	3.85	-34.962	-0.0204	-2.5 to 2.5	Pass
				0	3.85	-38.466	-0.0225	-2.5 to 2.5	Pass
				10	3.85	-41.986	-0.0245	-2.5 to 2.5	Pass
				30	3.85	-45.462	-0.0265	-2.5 to 2.5	Pass
				40	3.85	-12.617	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-16.122	-0.0094	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	16.866	0.0097	-2.5 to 2.5	Pass
					3.85	11.544	0.0067	-2.5 to 2.5	Pass
					4.43	6.166	0.0036	-2.5 to 2.5	Pass
				-30	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-3.419	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-6.180	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-9.670	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-13.003	-0.0075	-2.5 to 2.5	Pass
				30	3.85	-16.165	-0.0093	-2.5 to 2.5	Pass
				40	3.85	-18.811	-0.0109	-2.5 to 2.5	Pass
				50	3.85	-21.501	-0.0124	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	8.540	0.0049	-2.5 to 2.5	Pass
					3.85	4.578	0.0026	-2.5 to 2.5	Pass
					4.43	-0.286	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-6.366	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-9.456	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-10.815	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-13.390	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-15.407	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-17.023	-0.0097	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-19.813	-0.0116	-2.5 to 2.5	Pass
					3.85	-21.415	-0.0125	-2.5 to 2.5	Pass
					4.43	-24.304	-0.0142	-2.5 to 2.5	Pass
				-30	3.85	-26.879	-0.0157	-2.5 to 2.5	Pass
				-20	3.85	-29.755	-0.0174	-2.5 to 2.5	Pass
				-10	3.85	-32.430	-0.0189	-2.5 to 2.5	Pass
				0	3.85	-35.262	-0.0206	-2.5 to 2.5	Pass
				10	3.85	-37.980	-0.0222	-2.5 to 2.5	Pass
				30	3.85	-41.056	-0.0240	-2.5 to 2.5	Pass
				40	3.85	-43.545	-0.0254	-2.5 to 2.5	Pass
				50	3.85	-46.635	-0.0272	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-25.592	-0.0148	-2.5 to 2.5	Pass
					3.85	-25.148	-0.0145	-2.5 to 2.5	Pass
					4.43	-26.264	-0.0152	-2.5 to 2.5	Pass
				-30	3.85	-28.009	-0.0162	-2.5 to 2.5	Pass
				-20	3.85	-29.998	-0.0173	-2.5 to 2.5	Pass
				-10	3.85	-31.557	-0.0182	-2.5 to 2.5	Pass
				0	3.85	-33.646	-0.0194	-2.5 to 2.5	Pass
				10	3.85	-34.876	-0.0201	-2.5 to 2.5	Pass
				30	3.85	-36.535	-0.0211	-2.5 to 2.5	Pass
				40	3.85	-38.195	-0.0220	-2.5 to 2.5	Pass
				50	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-21.844	-0.0125	-2.5 to 2.5	Pass
					3.85	-19.884	-0.0113	-2.5 to 2.5	Pass
					4.43	-21.601	-0.0123	-2.5 to 2.5	Pass
				-30	3.85	-22.902	-0.0131	-2.5 to 2.5	Pass

				-20	3.85	-23.389	-0.0133	-2.5 to 2.5	Pass
				-10	3.85	-24.061	-0.0137	-2.5 to 2.5	Pass
				0	3.85	-25.134	-0.0143	-2.5 to 2.5	Pass
				10	3.85	-26.450	-0.0151	-2.5 to 2.5	Pass
				30	3.85	-27.437	-0.0157	-2.5 to 2.5	Pass
				40	3.85	-28.682	-0.0164	-2.5 to 2.5	Pass
				50	3.85	-30.370	-0.0173	-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	3.476	0.0020	-2.5 to 2.5	Pass
					3.85	-20.256	-0.0118	-2.5 to 2.5	Pass
					4.43	-29.154	-0.0170	-2.5 to 2.5	Pass
				-30	3.85	-37.336	-0.0218	-2.5 to 2.5	Pass
				-20	3.85	4.163	0.0024	-2.5 to 2.5	Pass
				-10	3.85	-4.091	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-12.460	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-19.813	-0.0116	-2.5 to 2.5	Pass
				30	3.85	-28.095	-0.0164	-2.5 to 2.5	Pass
				40	3.85	-34.347	-0.0200	-2.5 to 2.5	Pass
				50	3.85	-5.350	-0.0031	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	7.668	0.0044	-2.5 to 2.5	Pass
					3.85	1.316	0.0008	-2.5 to 2.5	Pass
					4.43	-4.950	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-8.483	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-12.703	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-15.879	-0.0092	-2.5 to 2.5	Pass
				0	3.85	-18.840	-0.0109	-2.5 to 2.5	Pass
				10	3.85	-22.202	-0.0128	-2.5 to 2.5	Pass
				30	3.85	-25.663	-0.0148	-2.5 to 2.5	Pass
				40	3.85	-28.124	-0.0162	-2.5 to 2.5	Pass
				50	3.85	-30.212	-0.0174	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	7.110	0.0041	-2.5 to 2.5	Pass
					3.85	3.448	0.0020	-2.5 to 2.5	Pass
					4.43	-0.858	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-5.794	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-7.768	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-8.969	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-9.956	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-11.373	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-12.817	-0.0073	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-13.061	-0.0076	-2.5 to 2.5	Pass
					3.85	-19.598	-0.0114	-2.5 to 2.5	Pass
					4.43	-26.507	-0.0155	-2.5 to 2.5	Pass
				-30	3.85	-32.916	-0.0192	-2.5 to 2.5	Pass
				-20	3.85	-38.724	-0.0226	-2.5 to 2.5	Pass
				-10	3.85	-18.597	-0.0108	-2.5 to 2.5	Pass
				0	3.85	-12.660	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-18.582	-0.0108	-2.5 to 2.5	Pass
				30	3.85	-23.890	-0.0139	-2.5 to 2.5	Pass
				40	3.85	-29.168	-0.0170	-2.5 to 2.5	Pass
				50	3.85	-34.418	-0.0201	-2.5 to 2.5	Pass

	1732.5	50	0	20	3.27	-34.375	-0.0198	-2.5 to 2.5	Pass
					3.85	-37.837	-0.0218	-2.5 to 2.5	Pass
					4.43	-40.383	-0.0233	-2.5 to 2.5	Pass
				-30	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-6.924	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-9.584	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-13.018	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-14.949	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-16.909	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-19.598	-0.0113	-2.5 to 2.5	Pass
				50	3.85	-21.944	-0.0127	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-14.462	-0.0083	-2.5 to 2.5	Pass
					3.85	-16.451	-0.0094	-2.5 to 2.5	Pass
					4.43	-17.667	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-19.498	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-20.728	-0.0118	-2.5 to 2.5	Pass
				-10	3.85	-23.060	-0.0132	-2.5 to 2.5	Pass
				0	3.85	-24.762	-0.0141	-2.5 to 2.5	Pass
				10	3.85	-25.778	-0.0147	-2.5 to 2.5	Pass
				30	3.85	-27.394	-0.0157	-2.5 to 2.5	Pass
				40	3.85	-28.625	-0.0164	-2.5 to 2.5	Pass
				50	3.85	-30.184	-0.0172	-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	-15.936	-0.0093	-2.5 to 2.5	Pass
					3.85	-25.363	-0.0148	-2.5 to 2.5	Pass
					4.43	1.559	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-8.025	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-11.816	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-14.048	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-17.610	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-22.202	-0.0129	-2.5 to 2.5	Pass
				40	3.85	-25.635	-0.0149	-2.5 to 2.5	Pass
				50	3.85	-28.925	-0.0168	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	14.148	0.0082	-2.5 to 2.5	Pass
					3.85	8.183	0.0047	-2.5 to 2.5	Pass
					4.43	2.904	0.0017	-2.5 to 2.5	Pass
				-30	3.85	1.545	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.529	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.518	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-4.821	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-6.866	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-7.281	-0.0042	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	9.284	0.0053	-2.5 to 2.5	Pass
					3.85	4.921	0.0028	-2.5 to 2.5	Pass
					4.43	1.988	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass

16QAM				10	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-2.689	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-4.077	-0.0023	-2.5 to 2.5	Pass
	1717.5	75	0	20	3.27	-30.484	-0.0177	-2.5 to 2.5	Pass
					3.85	-29.511	-0.0172	-2.5 to 2.5	Pass
					4.43	-30.727	-0.0179	-2.5 to 2.5	Pass
				-30	3.85	-31.443	-0.0183	-2.5 to 2.5	Pass
				-20	3.85	-12.188	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-6.838	-0.0040	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-7.753	-0.0045	-2.5 to 2.5	Pass
					3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
					4.43	-5.794	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-6.366	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-6.666	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-7.567	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-7.668	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-8.283	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-8.411	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-8.669	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-9.542	-0.0055	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-3.591	-0.0021	-2.5 to 2.5	Pass
					3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
					4.43	-0.472	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-1.831	-0.0010	-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	-9.999	-0.0058	-2.5 to 2.5	Pass
					3.85	-9.413	-0.0055	-2.5 to 2.5	Pass
					4.43	-17.352	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-28.610	-0.0166	-2.5 to 2.5	Pass
				-20	3.85	-15.707	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-9.856	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-17.581	-0.0102	-2.5 to 2.5	Pass
				10	3.85	-24.147	-0.0140	-2.5 to 2.5	Pass
				30	3.85	-29.883	-0.0174	-2.5 to 2.5	Pass
				40	3.85	-36.092	-0.0210	-2.5 to 2.5	Pass
				50	3.85	-11.029	-0.0064	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	12.689	0.0073	-2.5 to 2.5	Pass
					3.85	3.848	0.0022	-2.5 to 2.5	Pass
					4.43	-0.415	-0.0002	-2.5 to 2.5	Pass

16QAM	1745	100	0	-30	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-6.452	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-7.968	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-9.570	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-10.614	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-12.245	-0.0071	-2.5 to 2.5	Pass
	1720	100	0	20	3.27	-0.386	-0.0002	-2.5 to 2.5	Pass
					3.85	0.415	0.0002	-2.5 to 2.5	Pass
					4.43	-0.401	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				-20	3.85	2.017	0.0012	-2.5 to 2.5	Pass
				-10	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				0	3.85	2.933	0.0017	-2.5 to 2.5	Pass
				10	3.85	4.721	0.0027	-2.5 to 2.5	Pass
				30	3.85	5.236	0.0030	-2.5 to 2.5	Pass
				40	3.85	5.851	0.0034	-2.5 to 2.5	Pass
				50	3.85	6.666	0.0038	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	6.094	0.0035	-2.5 to 2.5	Pass
					3.85	5.908	0.0034	-2.5 to 2.5	Pass
					4.43	3.920	0.0023	-2.5 to 2.5	Pass
				-30	3.85	1.802	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-5.293	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-7.639	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-9.727	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-11.544	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-13.490	-0.0078	-2.5 to 2.5	Pass
				20	3.27	-11.745	-0.0068	-2.5 to 2.5	Pass
					3.85	-9.613	-0.0055	-2.5 to 2.5	Pass
					4.43	-9.427	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-9.756	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-9.527	-0.0055	-2.5 to 2.5	Pass
	1745	100	0	-10	3.85	-10.629	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-10.343	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-11.702	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-11.816	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-12.703	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-16.665	-0.0096	-2.5 to 2.5	Pass
				20	3.27	7.668	0.0044	-2.5 to 2.5	Pass
					3.85	24.276	0.0139	-2.5 to 2.5	Pass
					4.43	29.783	0.0171	-2.5 to 2.5	Pass
				-30	3.85	33.259	0.0191	-2.5 to 2.5	Pass
				-20	3.85	35.348	0.0203	-2.5 to 2.5	Pass
				-10	3.85	37.894	0.0217	-2.5 to 2.5	Pass
				0	3.85	40.712	0.0233	-2.5 to 2.5	Pass
				10	3.85	43.159	0.0247	-2.5 to 2.5	Pass
				30	3.85	6.366	0.0036	-2.5 to 2.5	Pass
				40	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				50	3.85	2.303	0.0013	-2.5 to 2.5	Pass

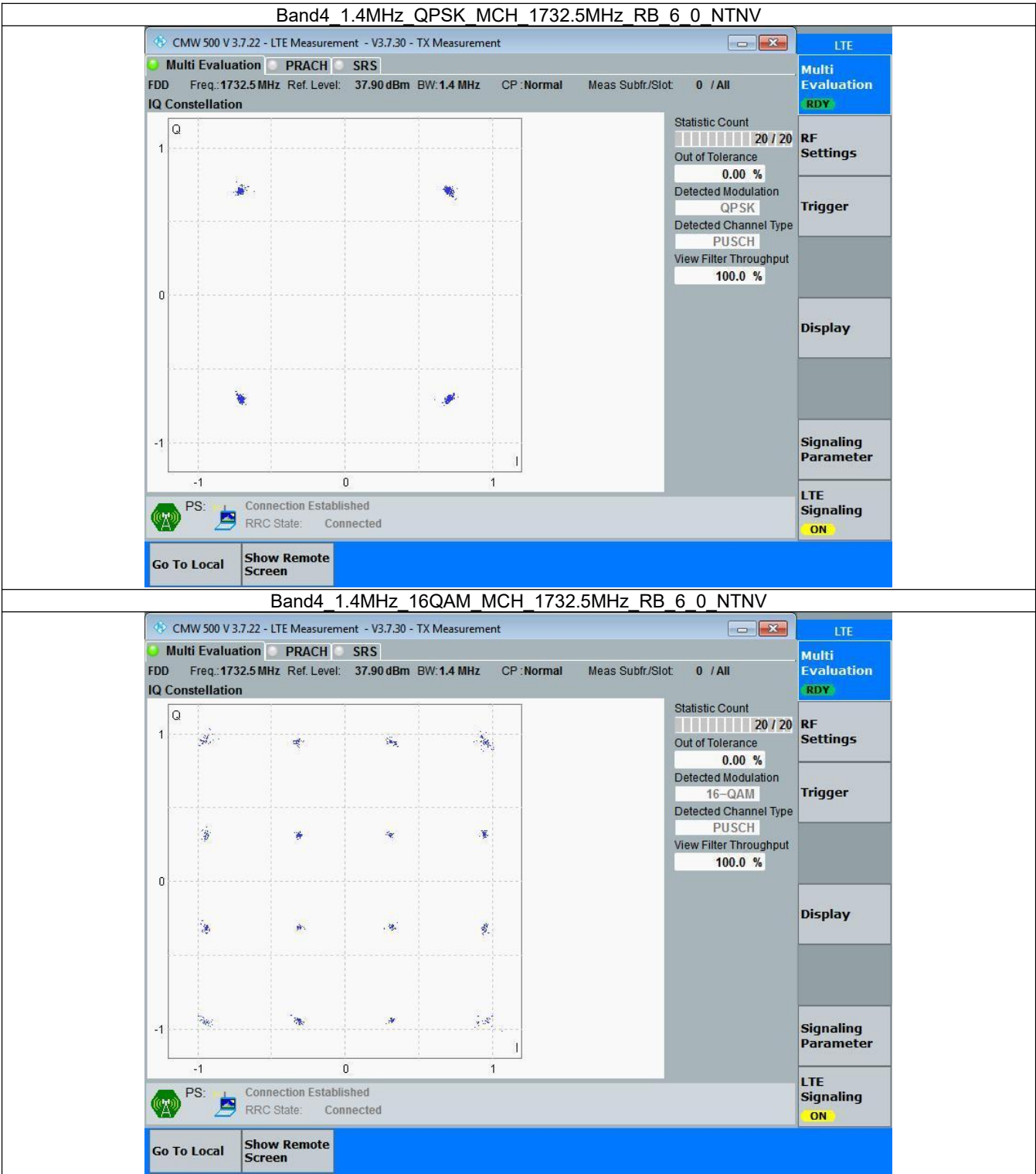
3. Modulation Characteristics

3.1 B4_1.4MHz

3.1.1 Test Result

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

3.1.2 Test Graph

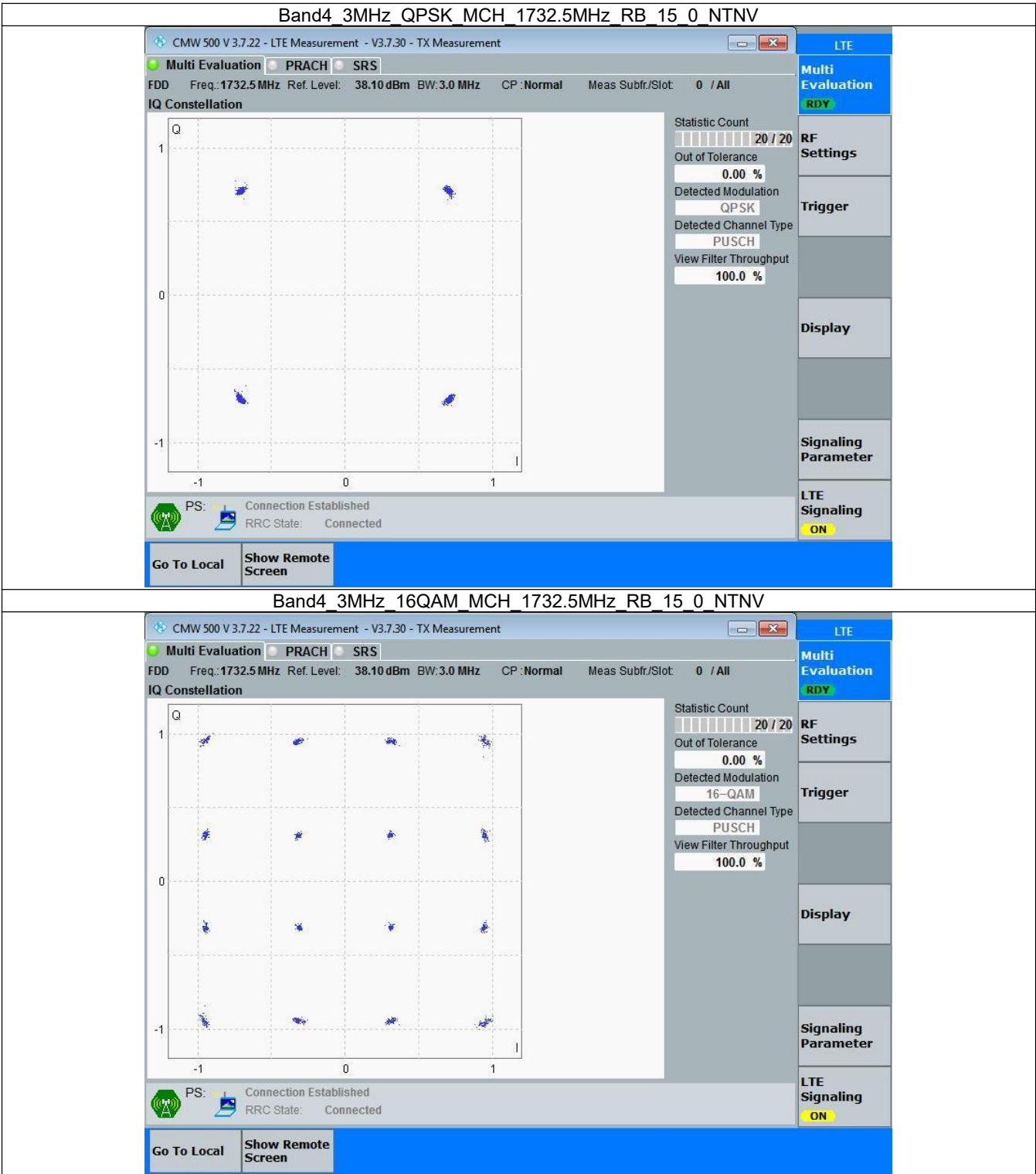


3.2 B4_3MHz

3.2.1 Test Result

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

3.2.2 Test Graph

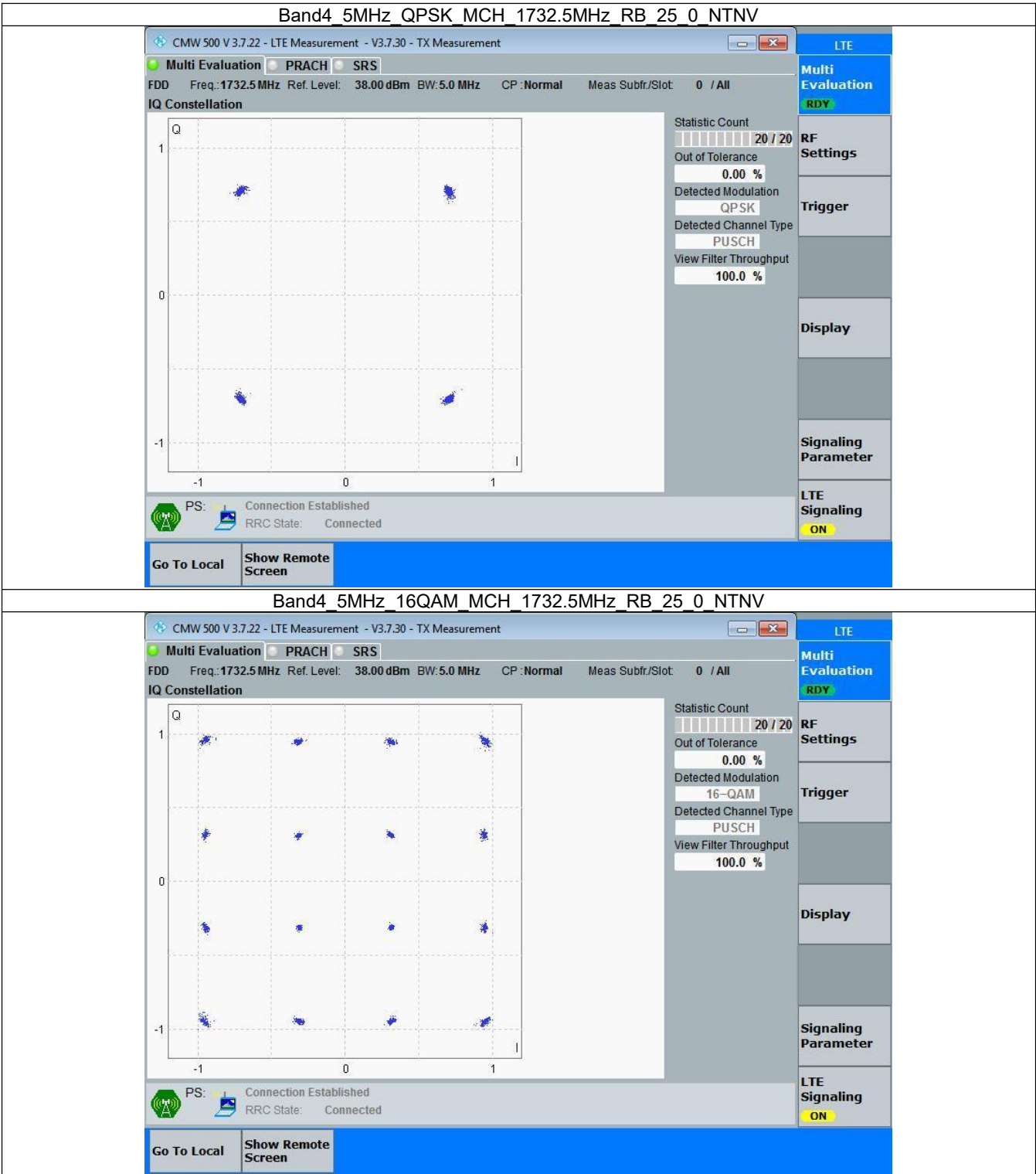


3.3 B4_5MHz

3.3.1 Test Result

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

3.3.2 Test Graph

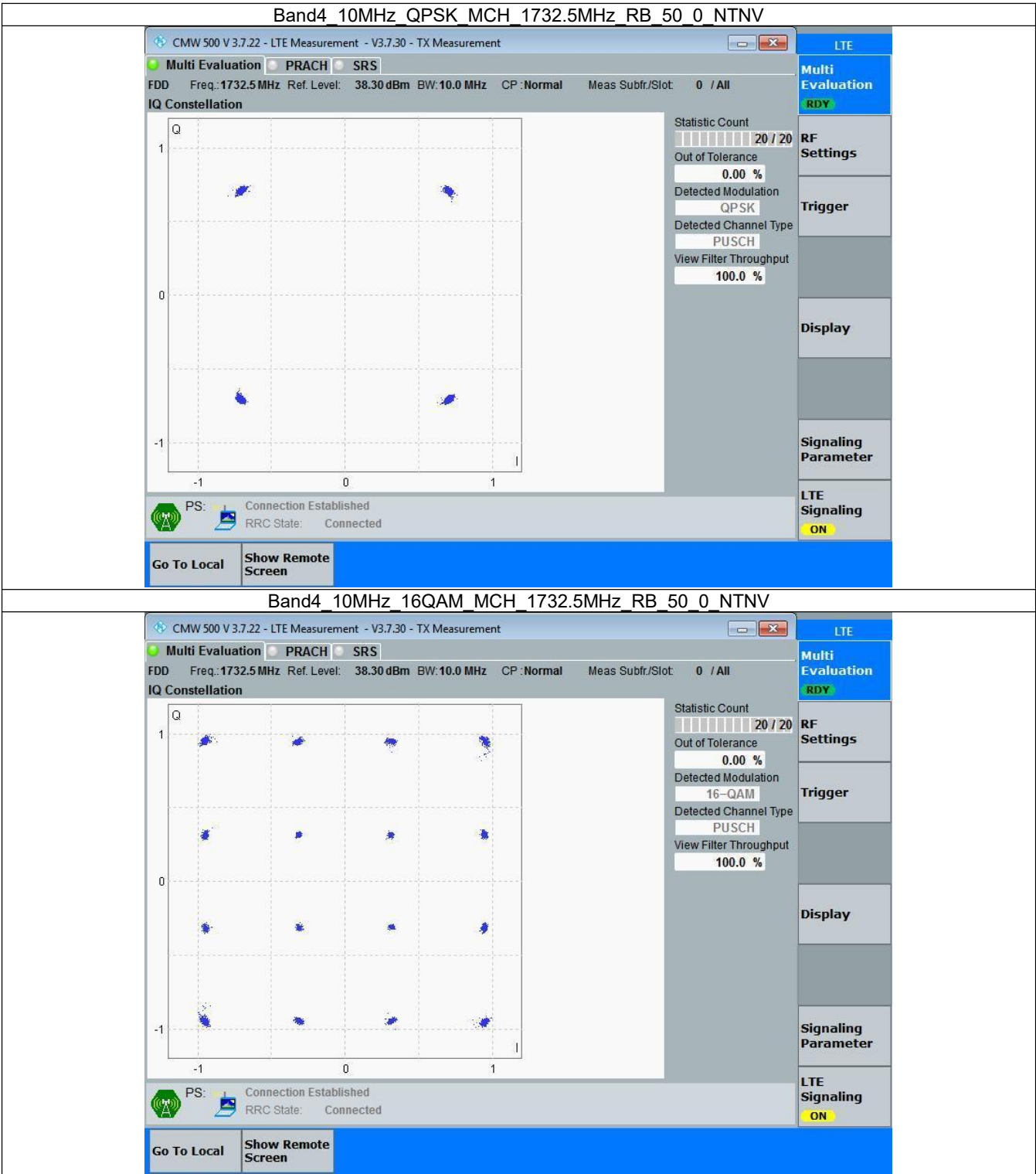


3.4 B4_10MHz

3.4.1 Test Result

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

3.4.2 Test Graph

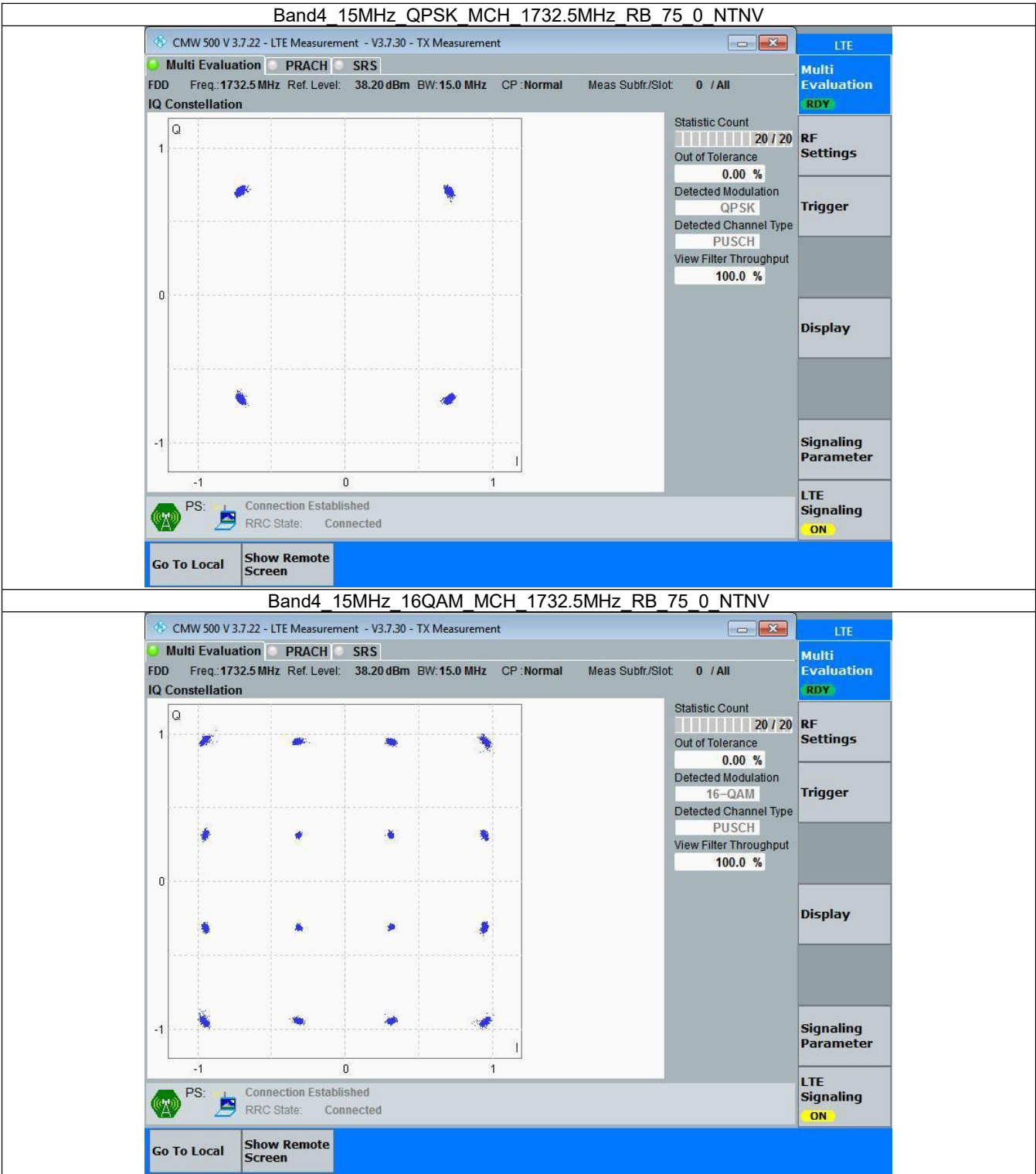


3.5 B4_15MHz

3.5.1 Test Result

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

3.5.2 Test Graph

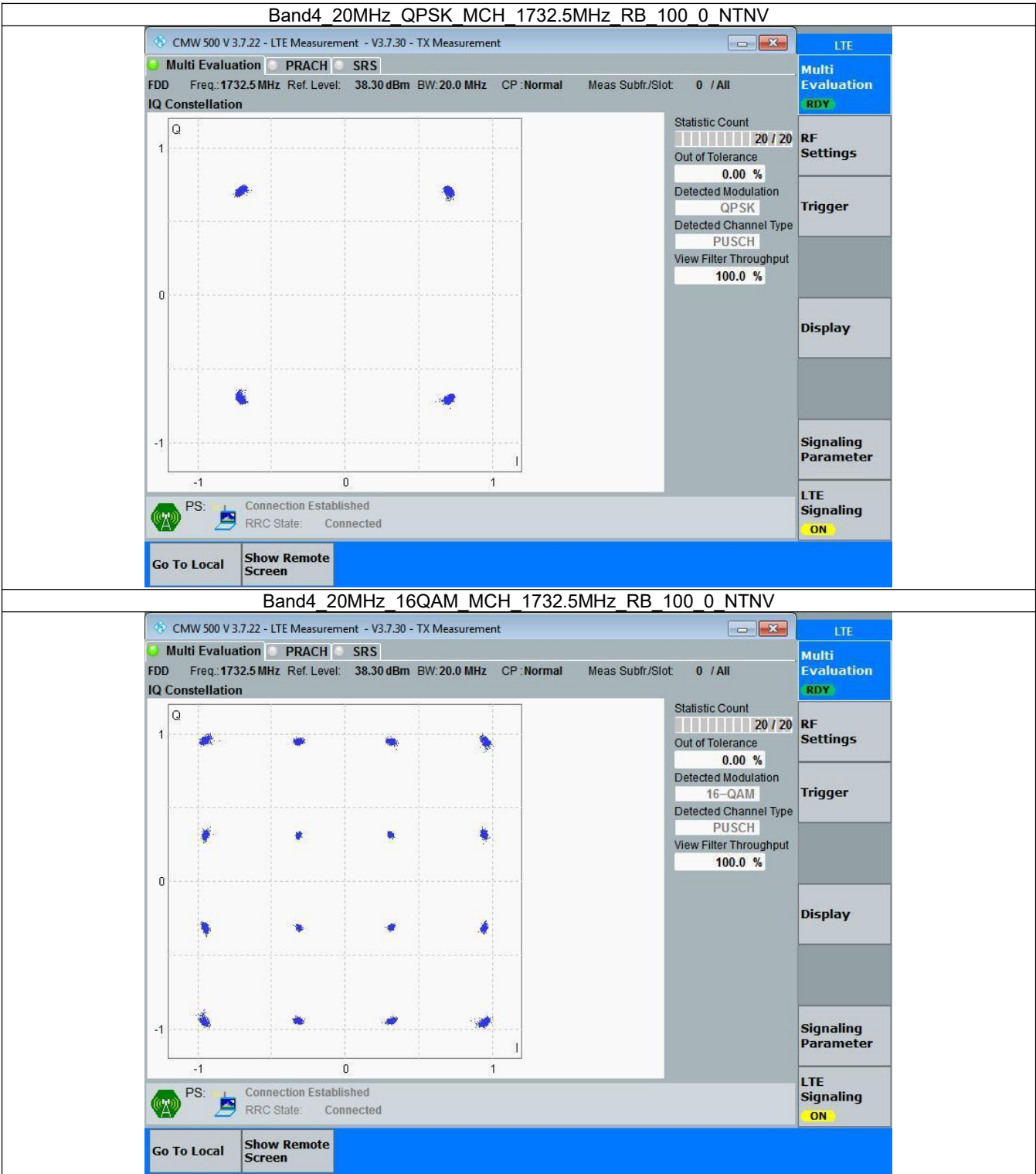


3.6 B4_20MHz

3.6.1 Test Result

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

3.6.2 Test Graph



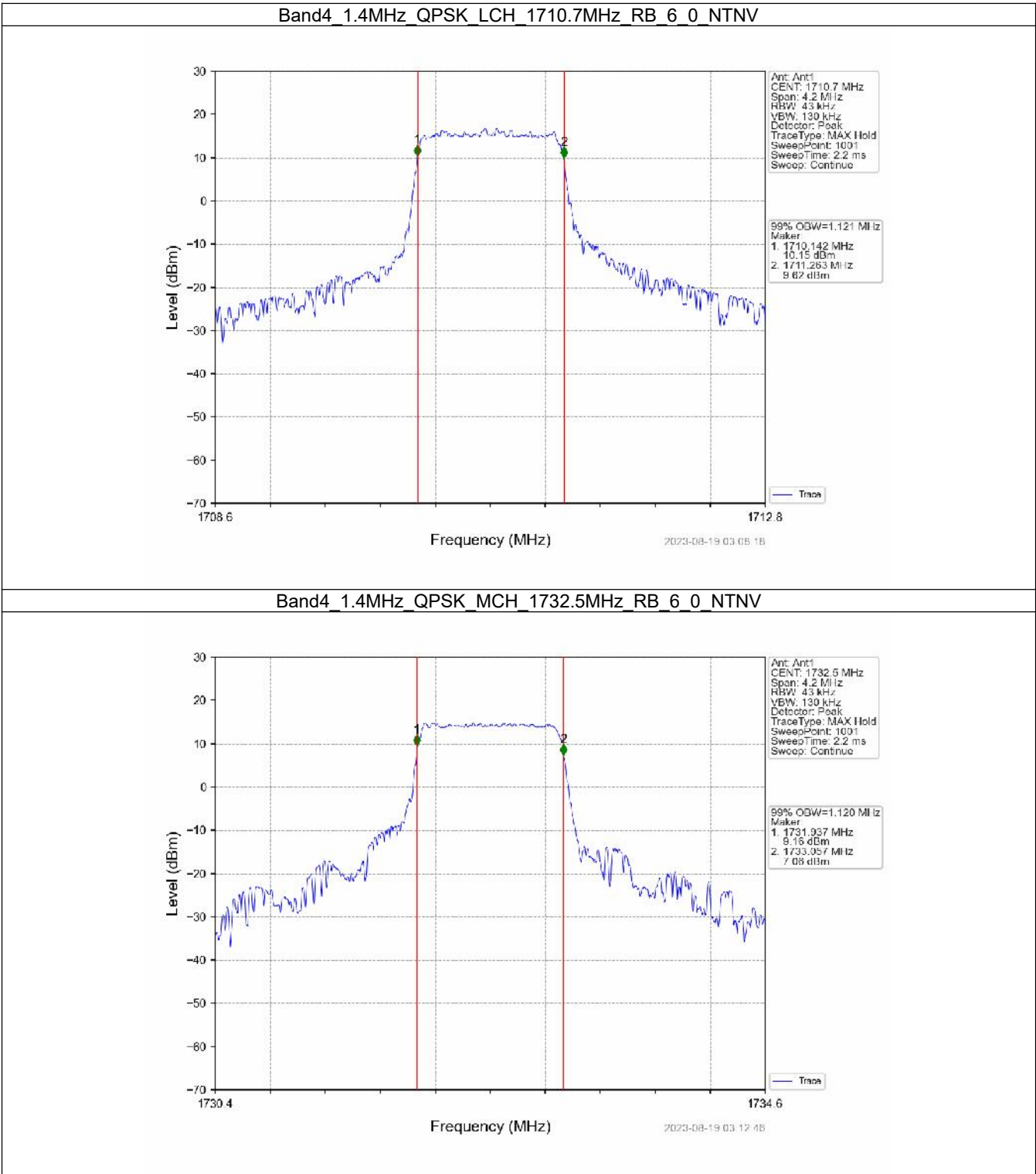
4. 99% & 26dB Bandwidth

4.1 Band4_OBW

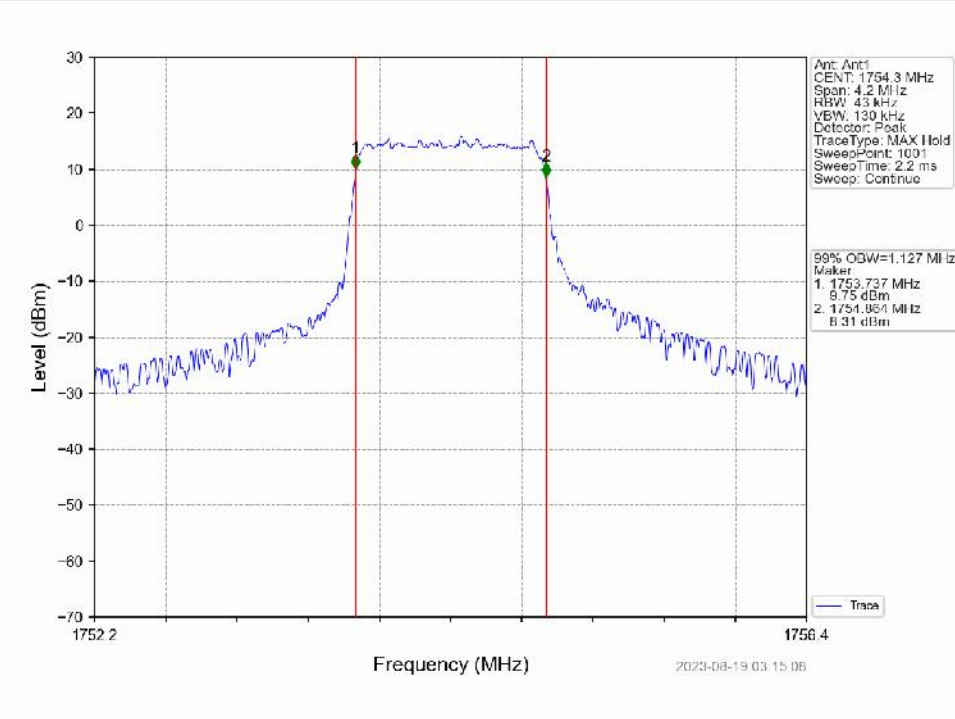
4.1.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.121	Pass
		1732.5	6	0	1.120	Pass
		1754.3	6	0	1.127	Pass
	16QAM	1710.7	6	0	1.132	Pass
		1732.5	6	0	1.126	Pass
		1754.3	6	0	1.123	Pass
3	QPSK	1711.5	15	0	2.762	Pass
		1732.5	15	0	2.764	Pass
		1753.5	15	0	2.774	Pass
	16QAM	1711.5	15	0	2.783	Pass
		1732.5	15	0	2.776	Pass
		1753.5	15	0	2.779	Pass
5	QPSK	1712.5	25	0	4.576	Pass
		1732.5	25	0	4.572	Pass
		1752.5	25	0	4.605	Pass
	16QAM	1712.5	25	0	4.573	Pass
		1732.5	25	0	4.609	Pass
		1752.5	25	0	4.581	Pass
10	QPSK	1715	50	0	9.122	Pass
		1732.5	50	0	9.069	Pass
		1750	50	0	9.089	Pass
	16QAM	1715	50	0	9.091	Pass
		1732.5	50	0	9.060	Pass
		1750	50	0	9.059	Pass
15	QPSK	1717.5	75	0	13.637	Pass
		1732.5	75	0	13.609	Pass
		1747.5	75	0	13.601	Pass
	16QAM	1717.5	75	0	13.674	Pass
		1732.5	75	0	13.642	Pass
		1747.5	75	0	13.641	Pass
20	QPSK	1720	100	0	18.256	Pass
		1732.5	100	0	18.189	Pass
		1745	100	0	18.130	Pass
	16QAM	1720	100	0	18.210	Pass
		1732.5	100	0	18.131	Pass
		1745	100	0	18.167	Pass

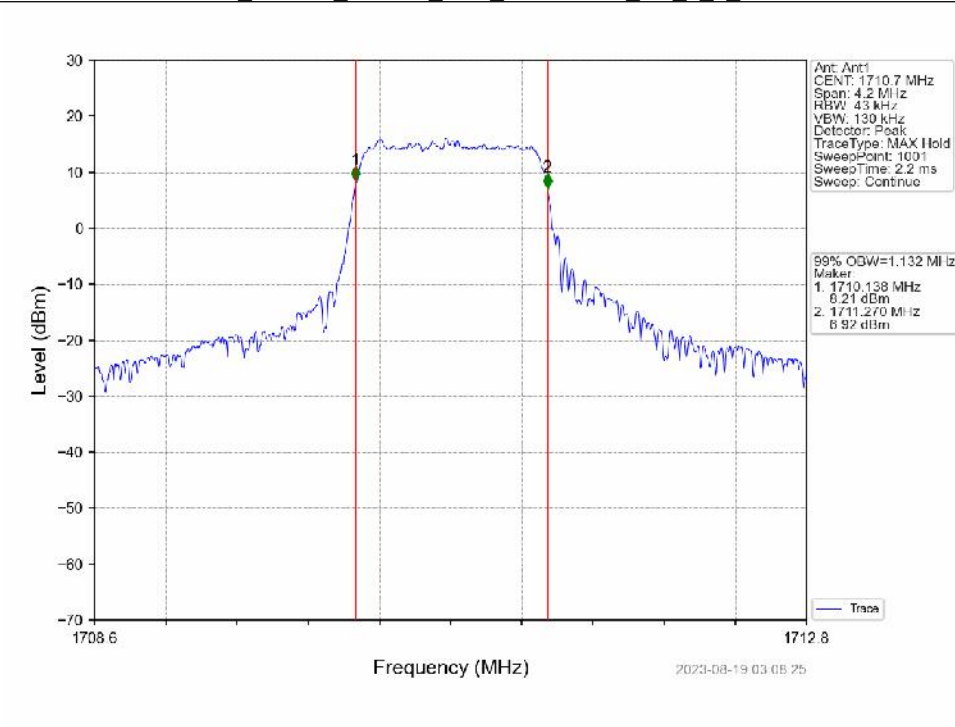
4.1.2 Test Graph



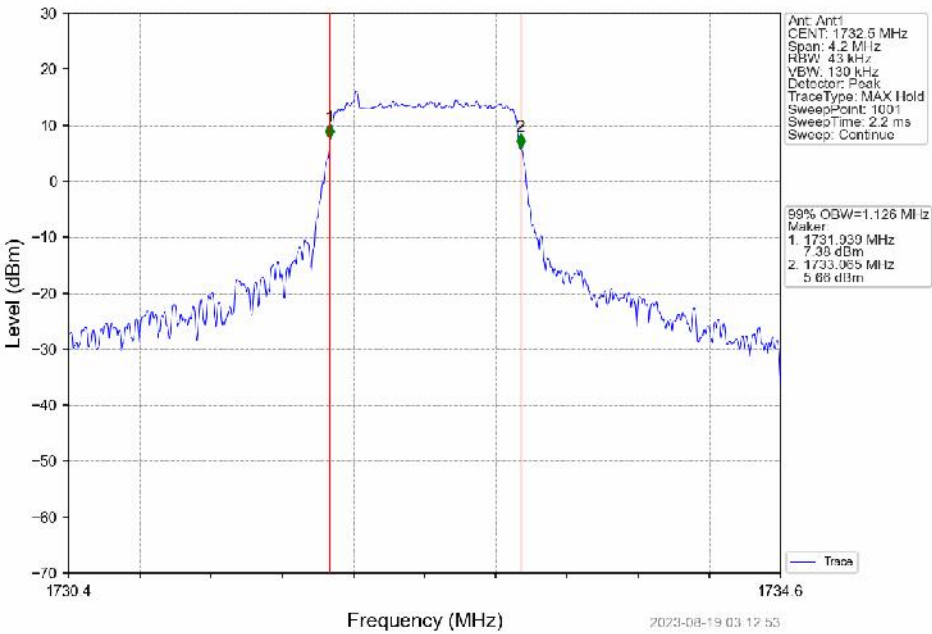
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



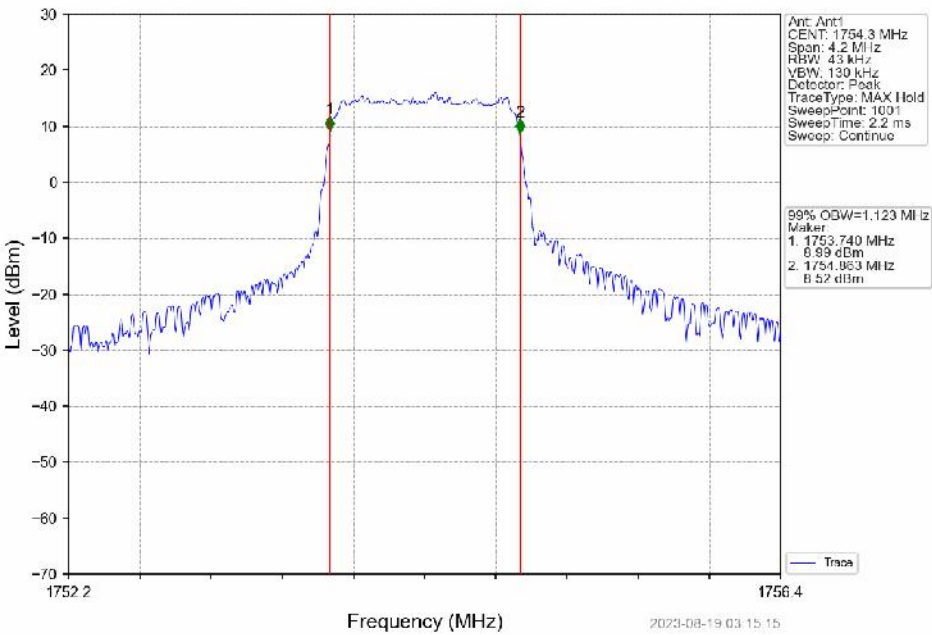
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



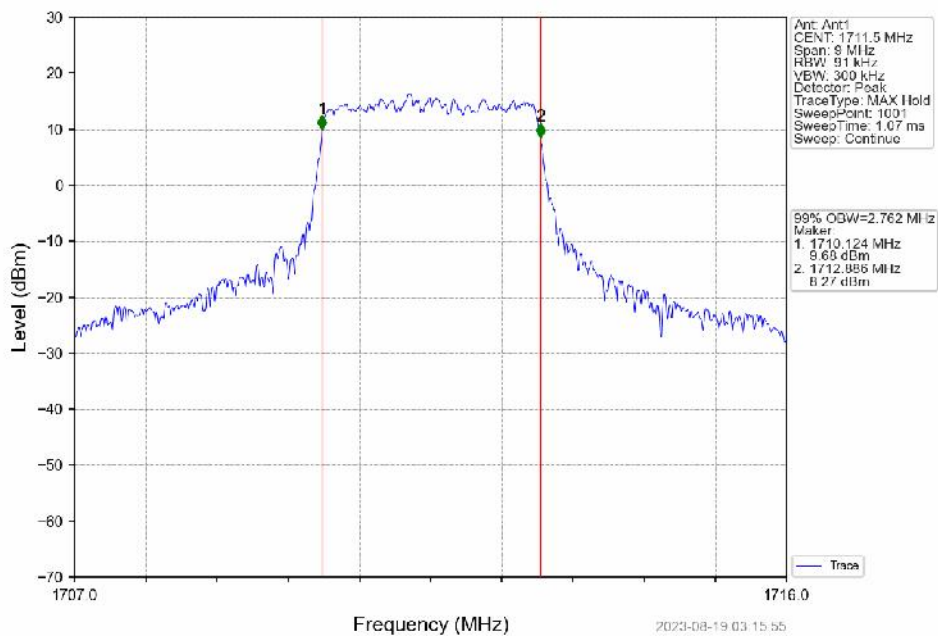
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



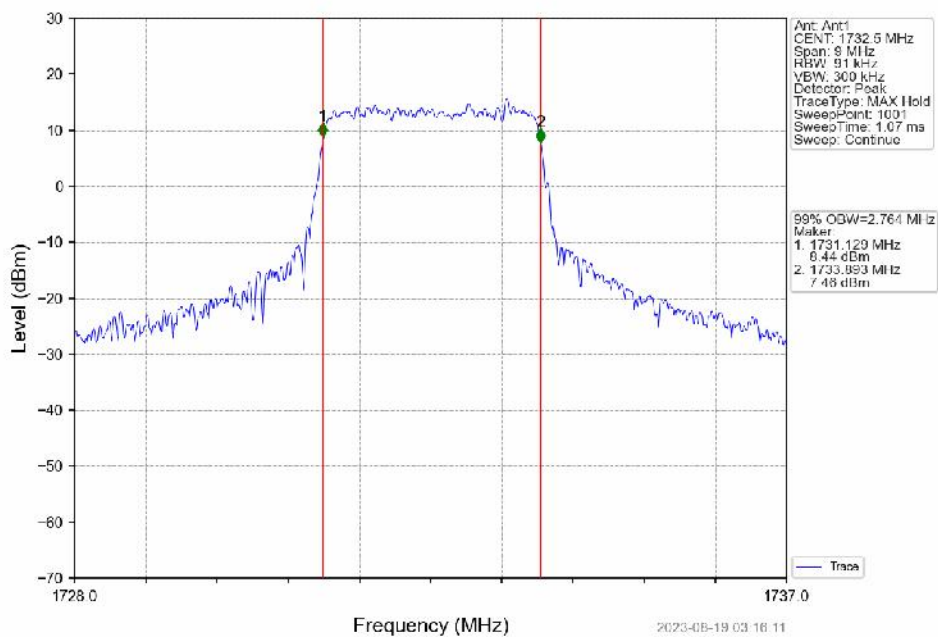
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



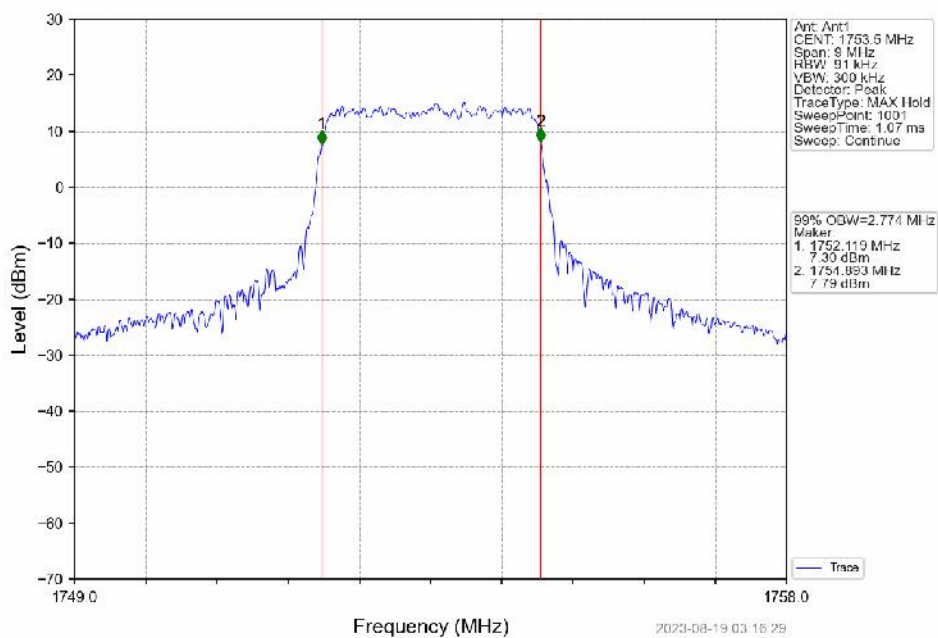
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



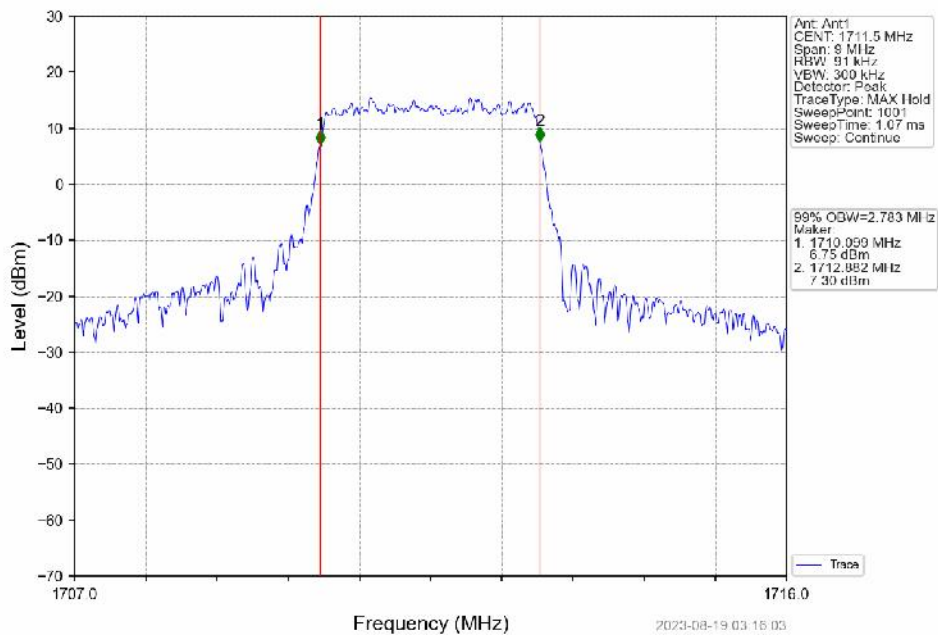
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

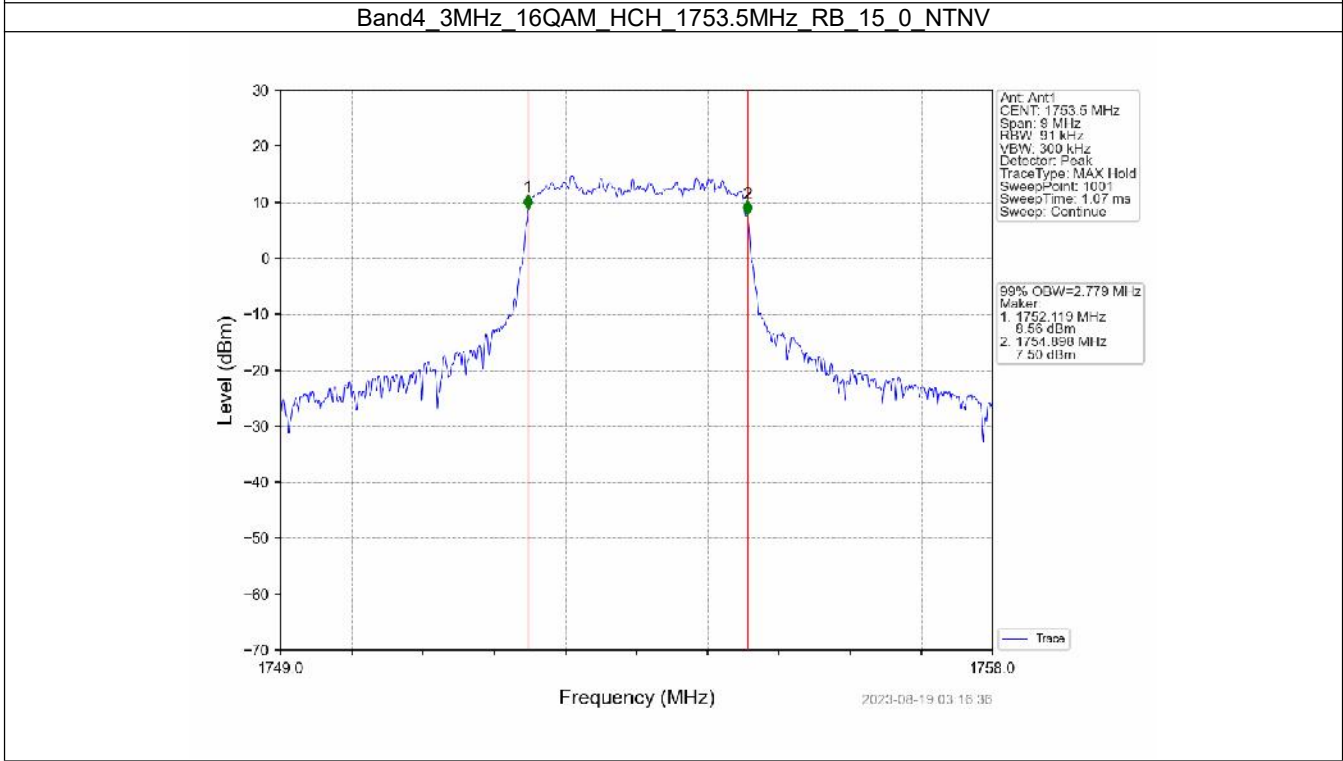
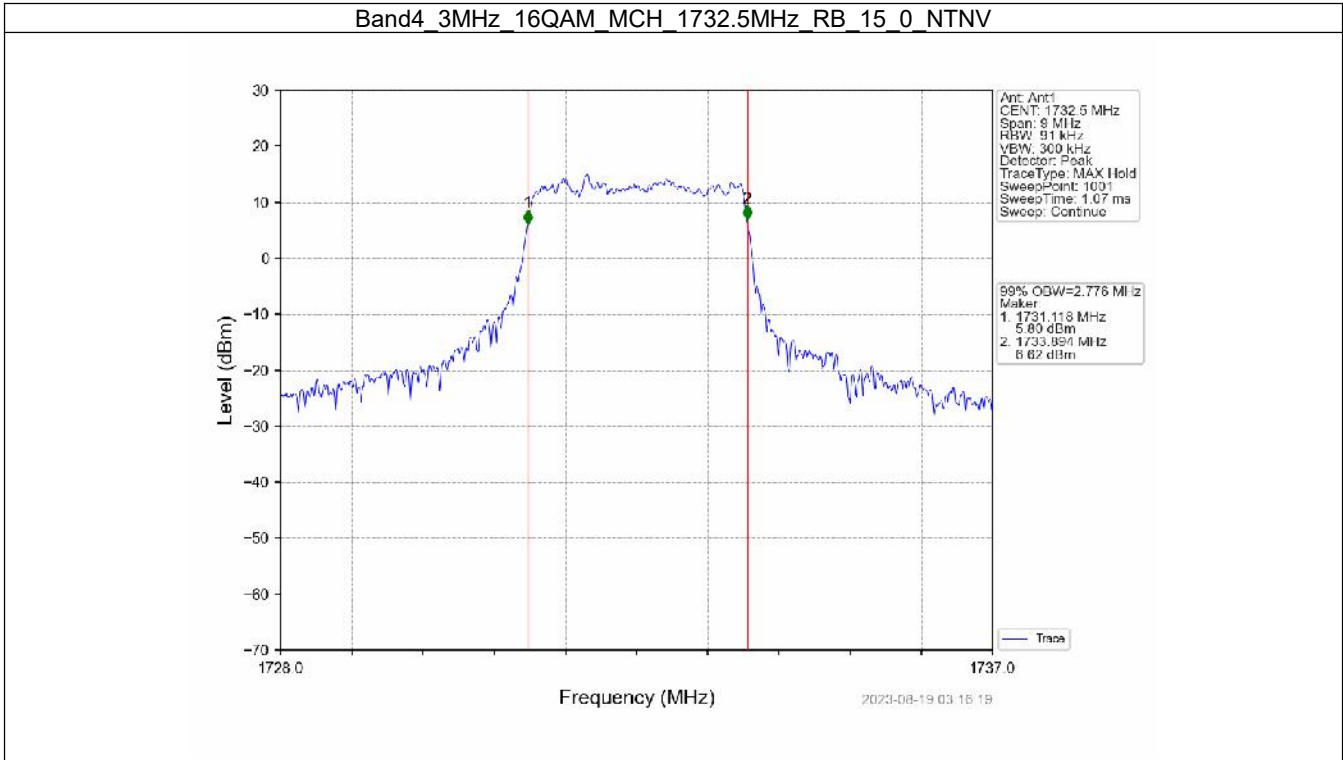


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

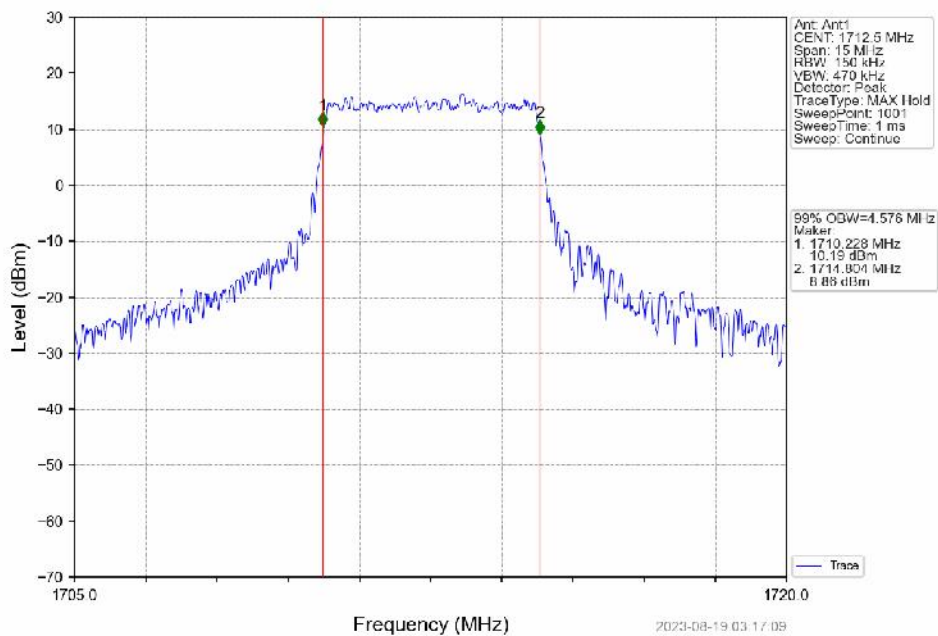


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

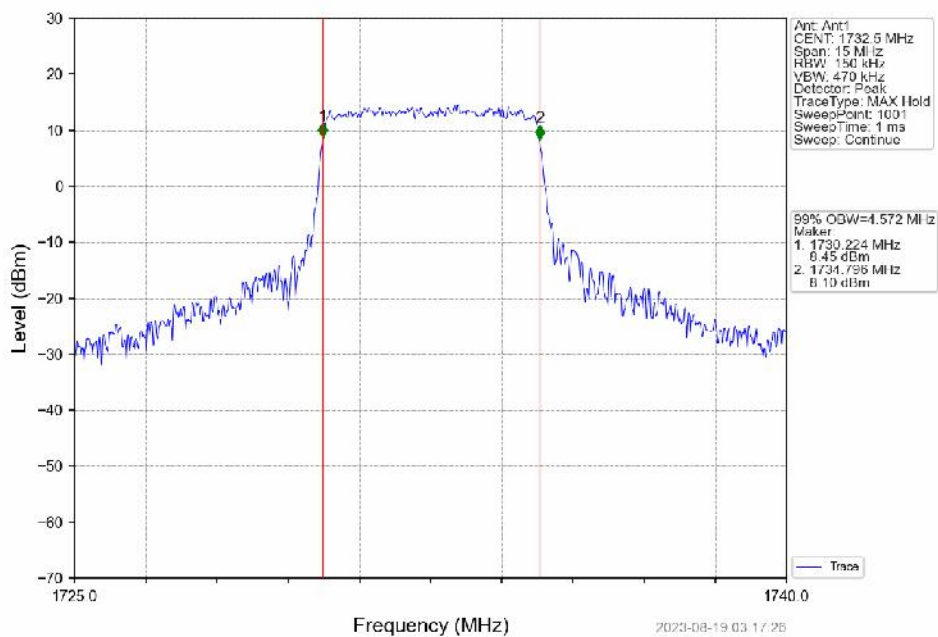




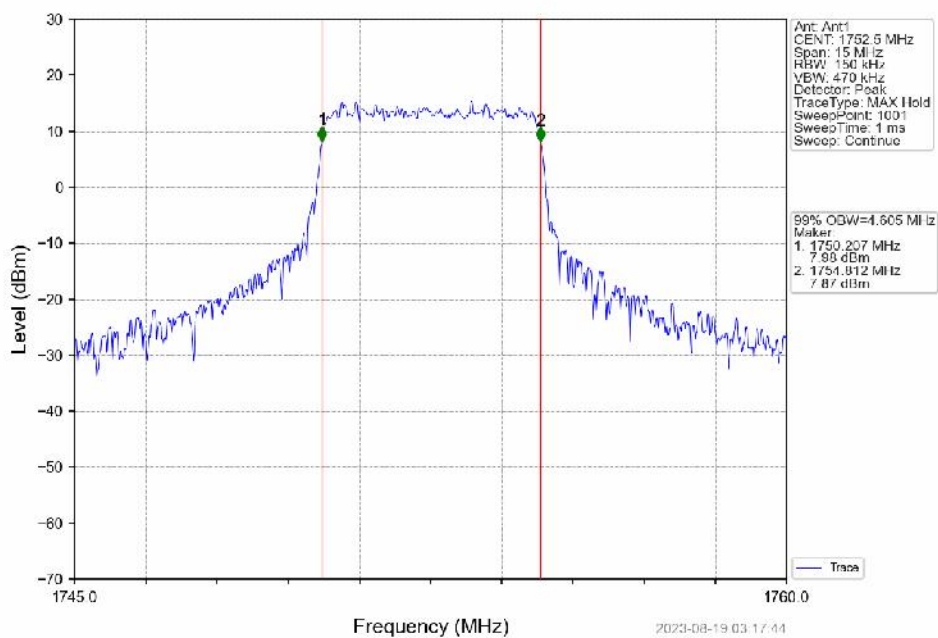
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



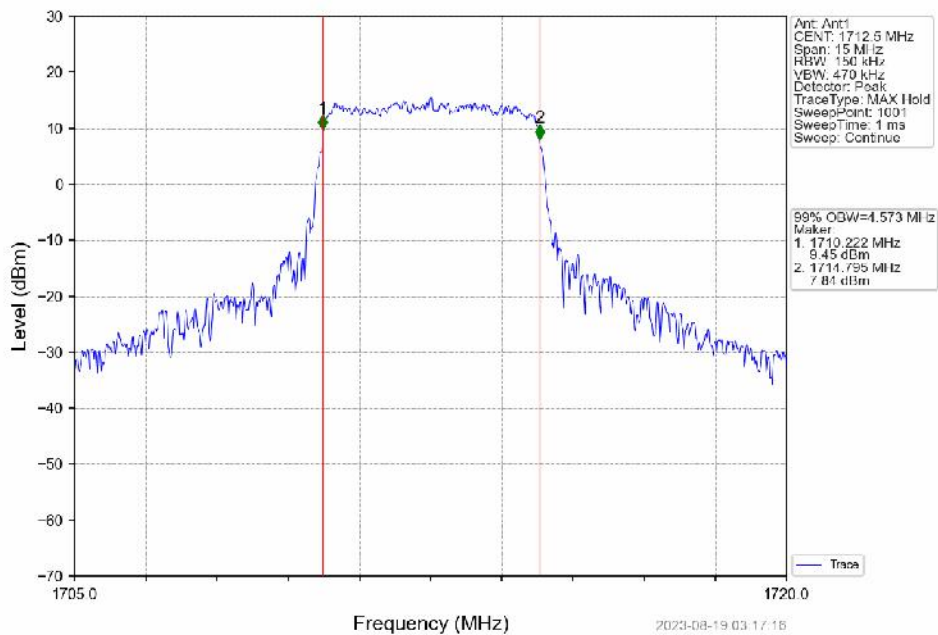
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



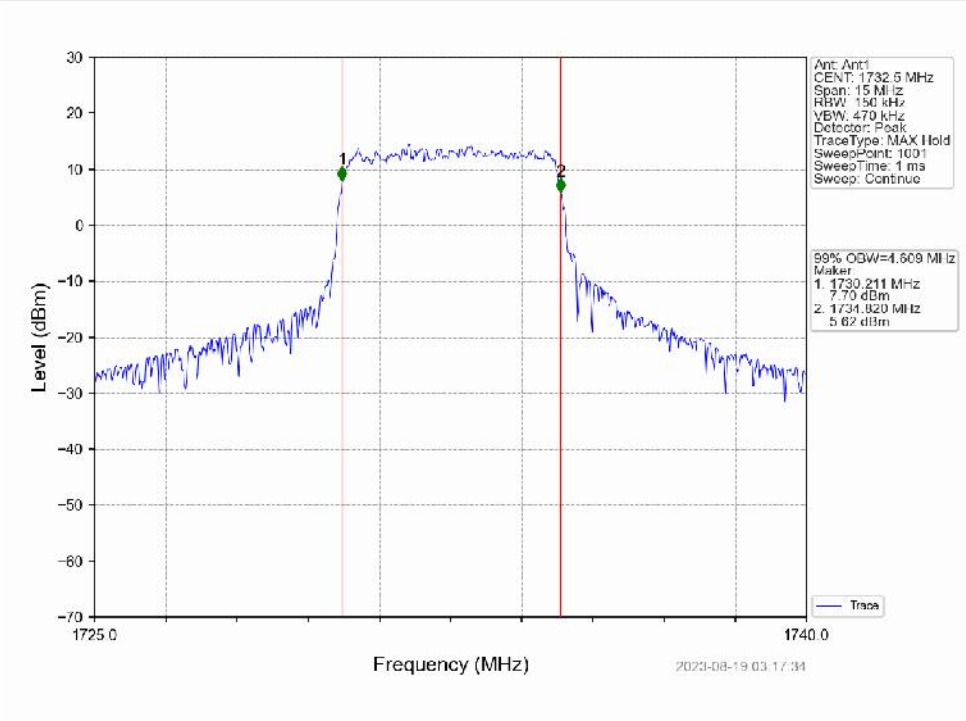
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



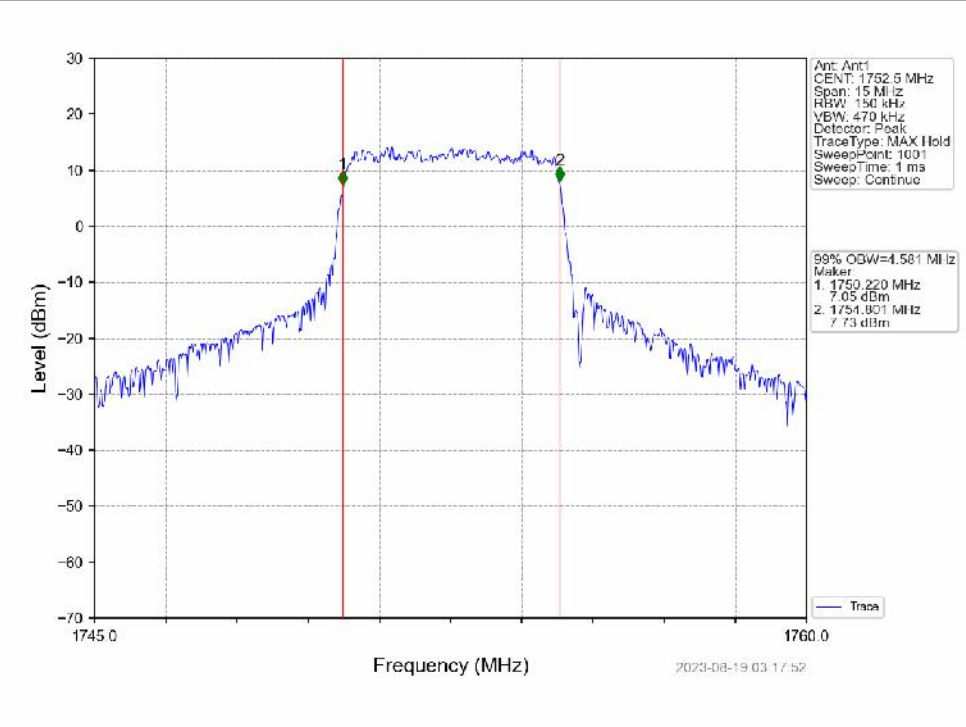
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



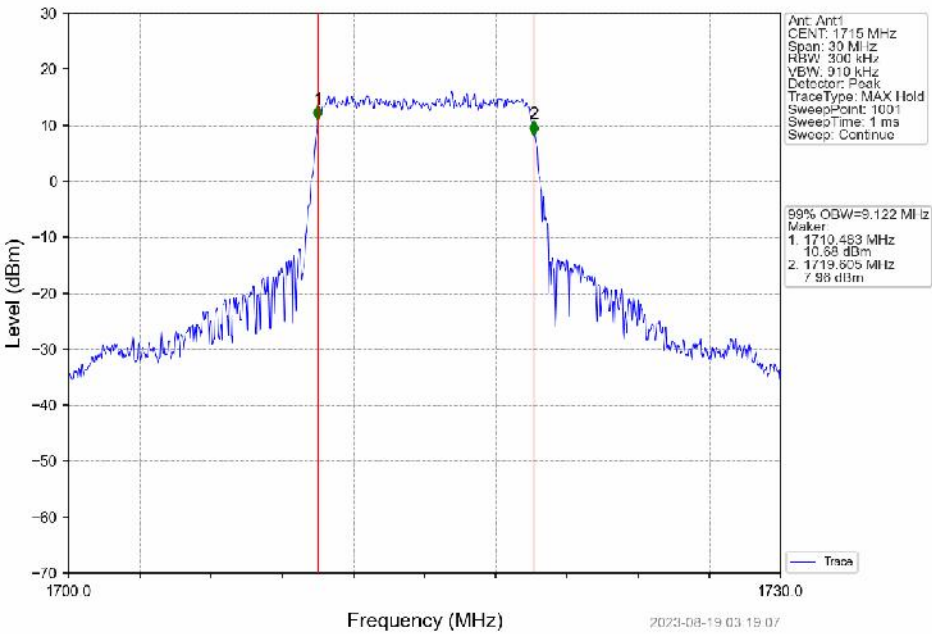
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



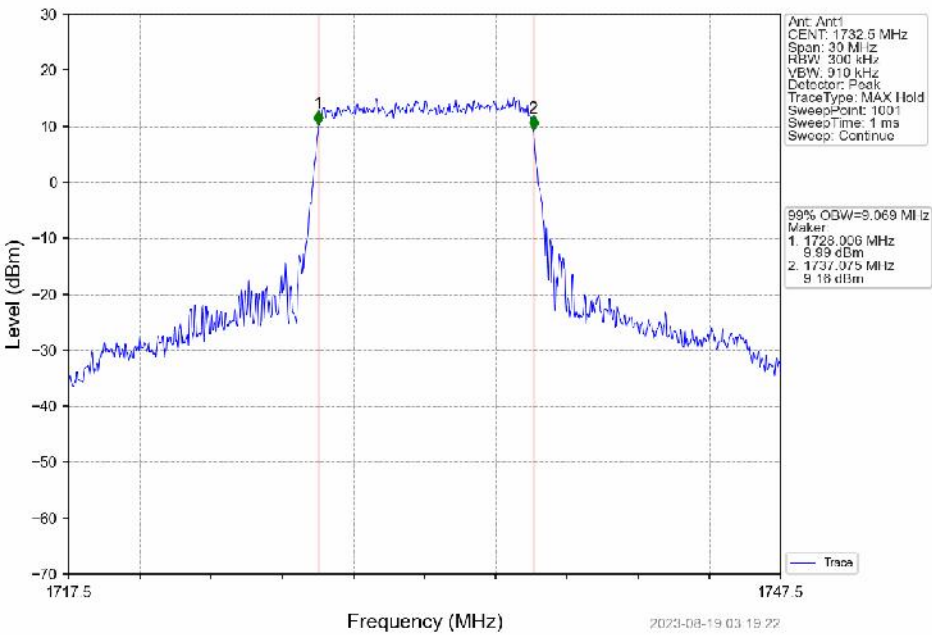
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



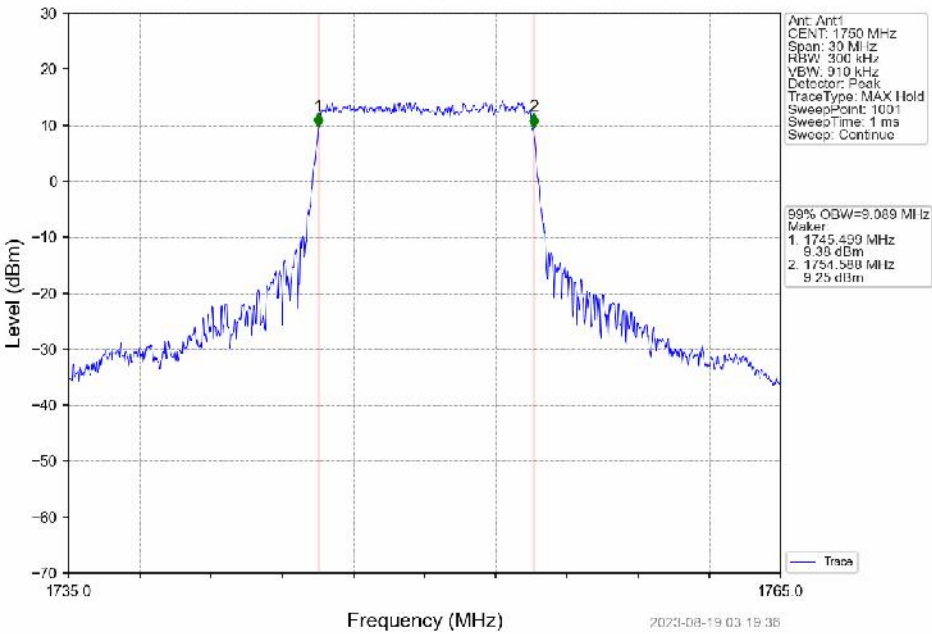
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



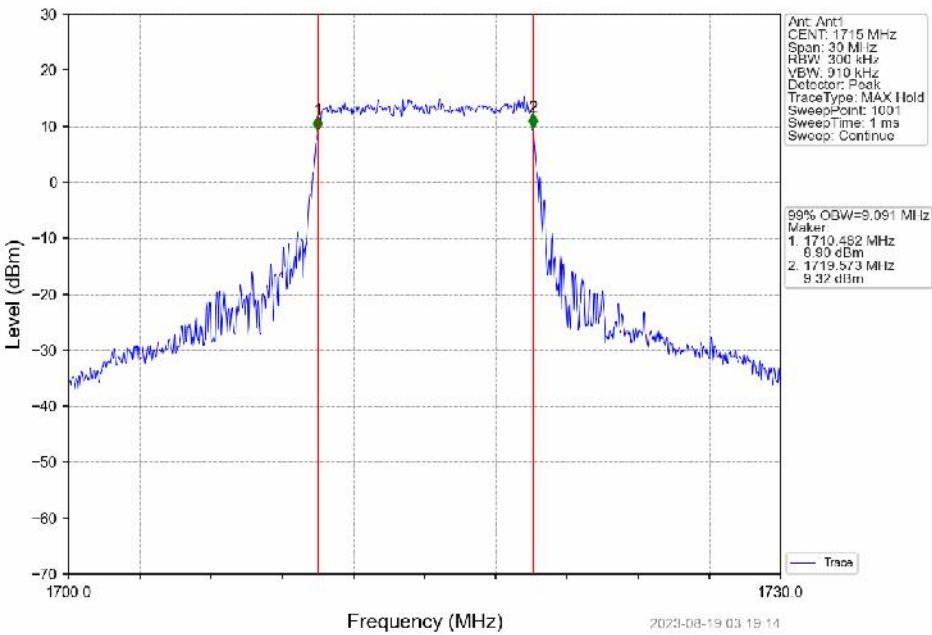
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

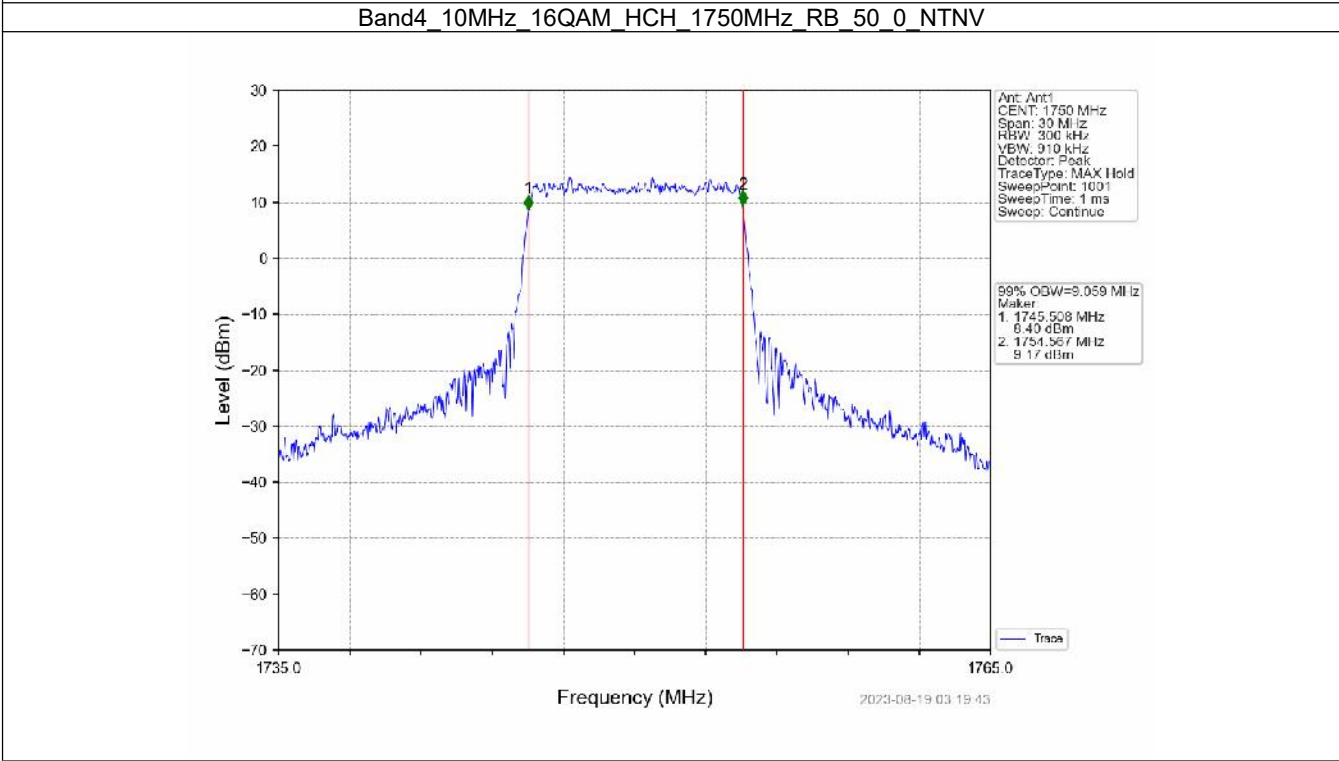
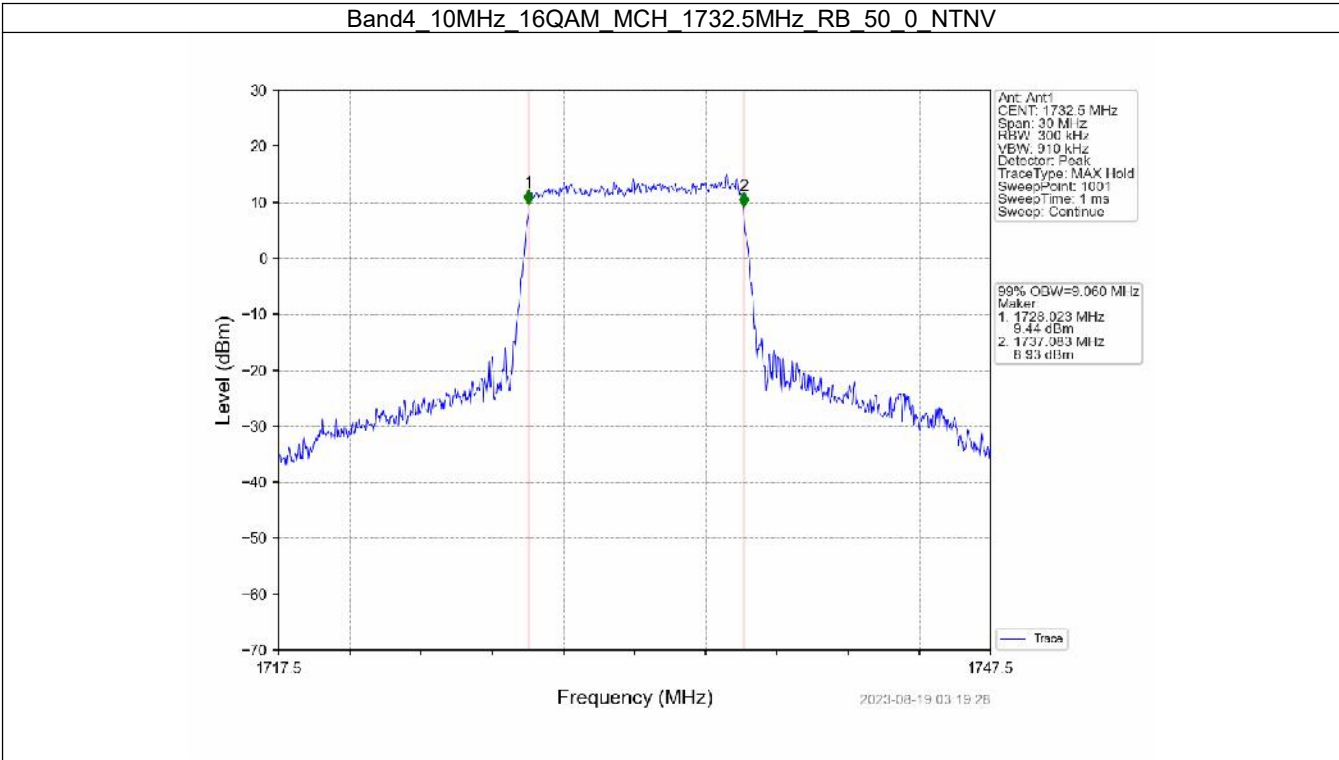


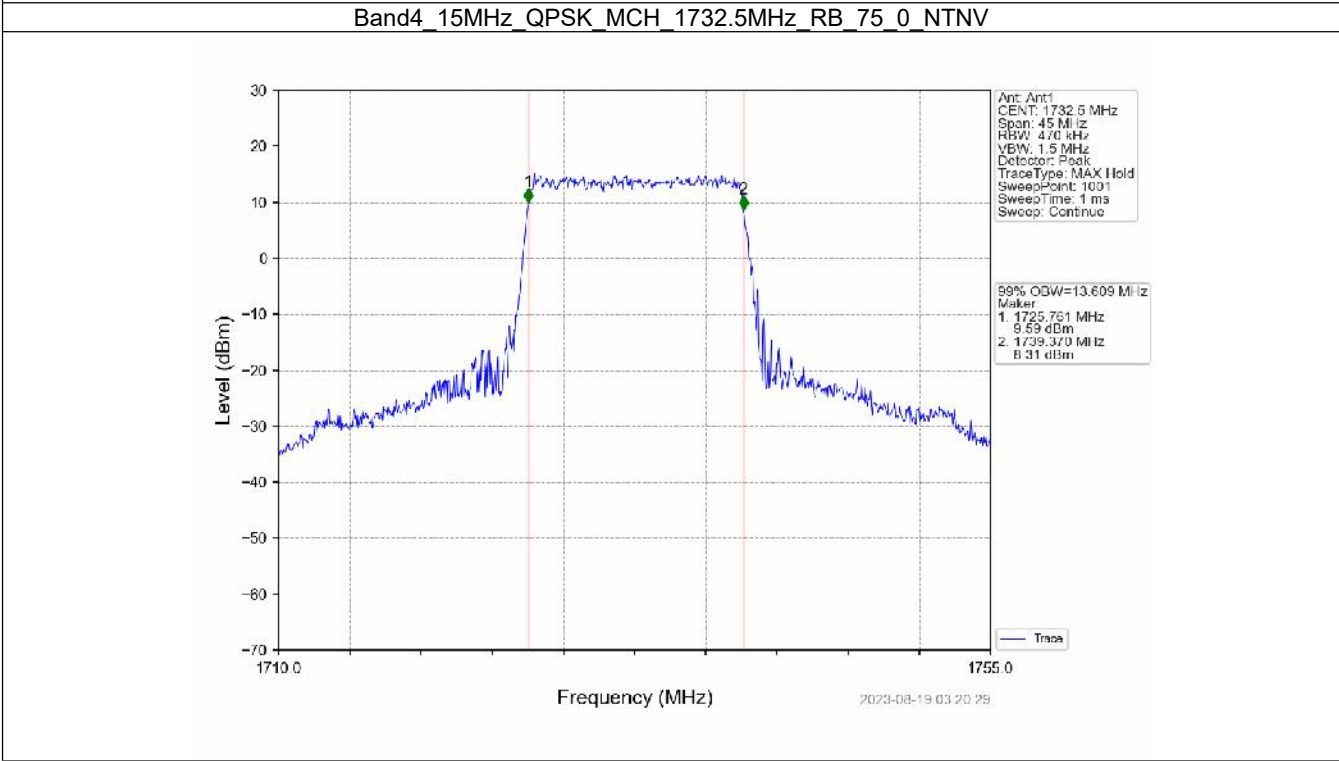
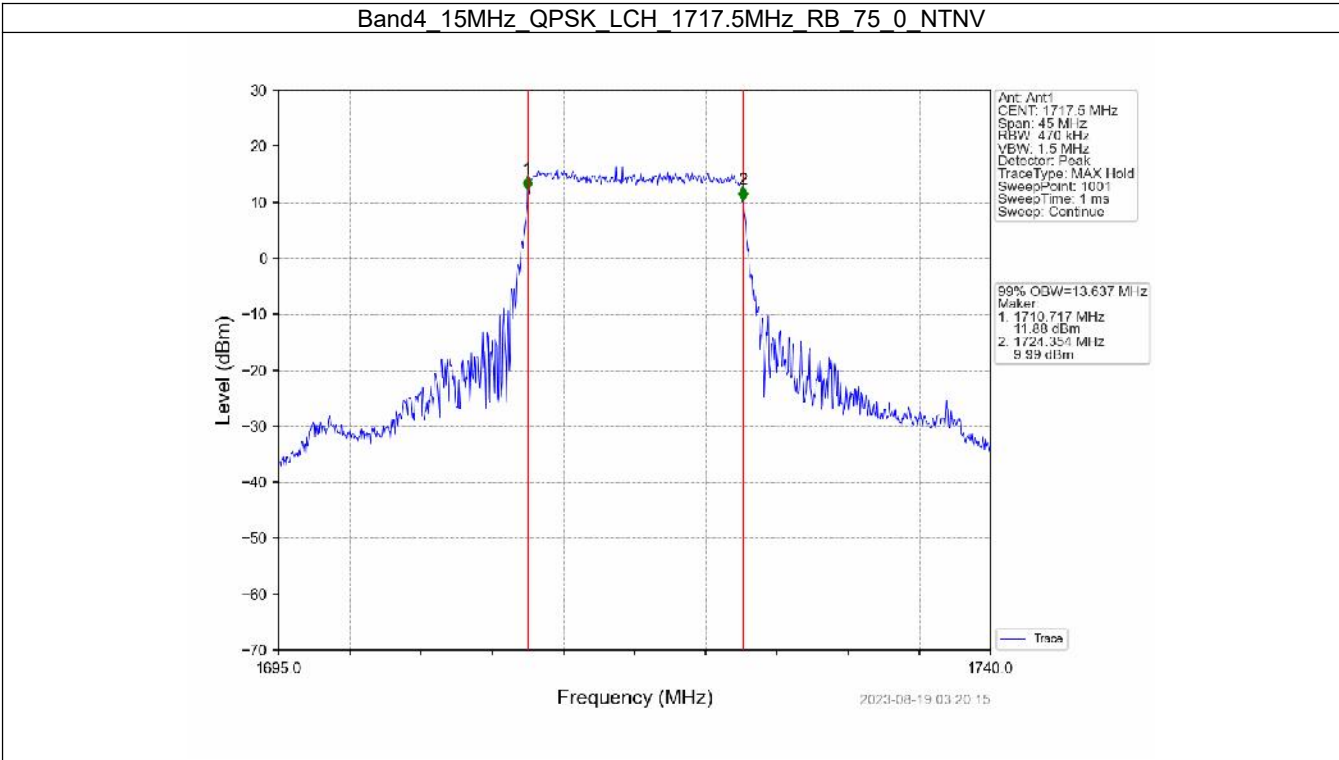
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

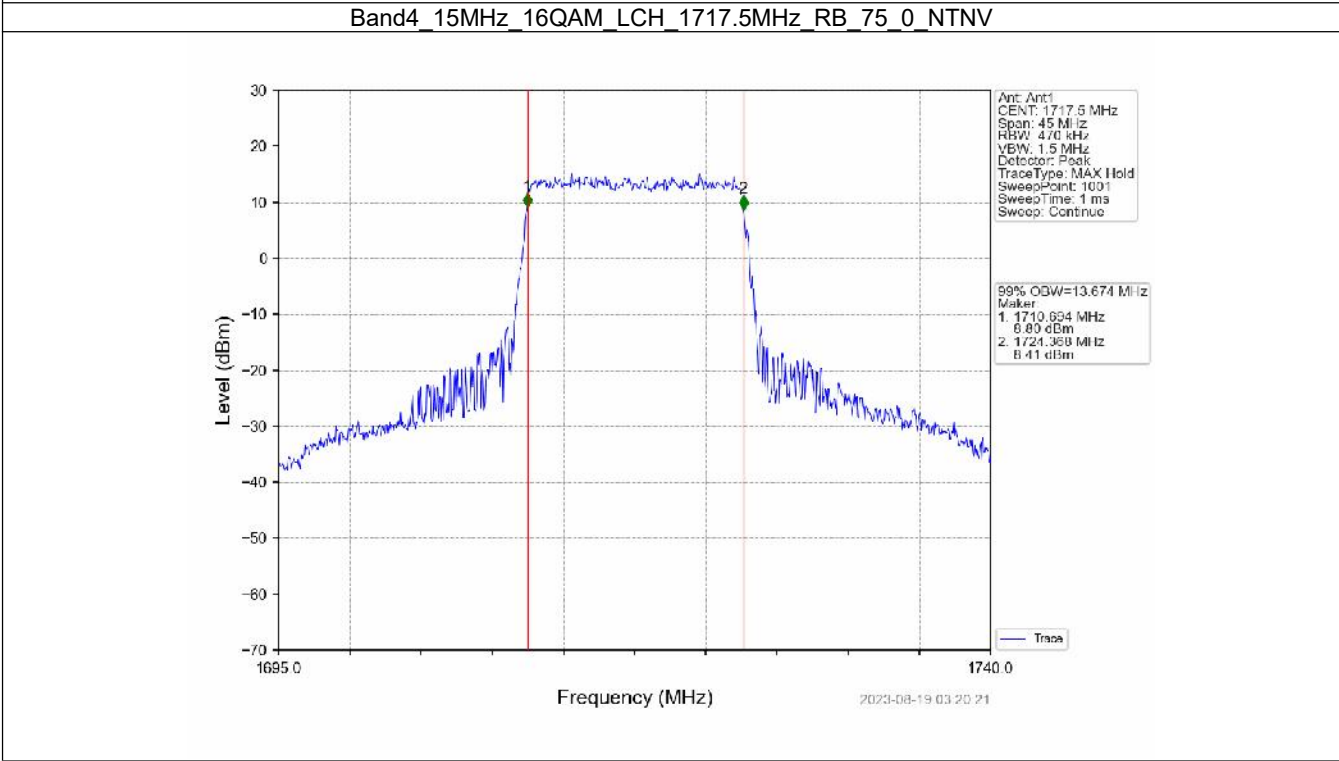
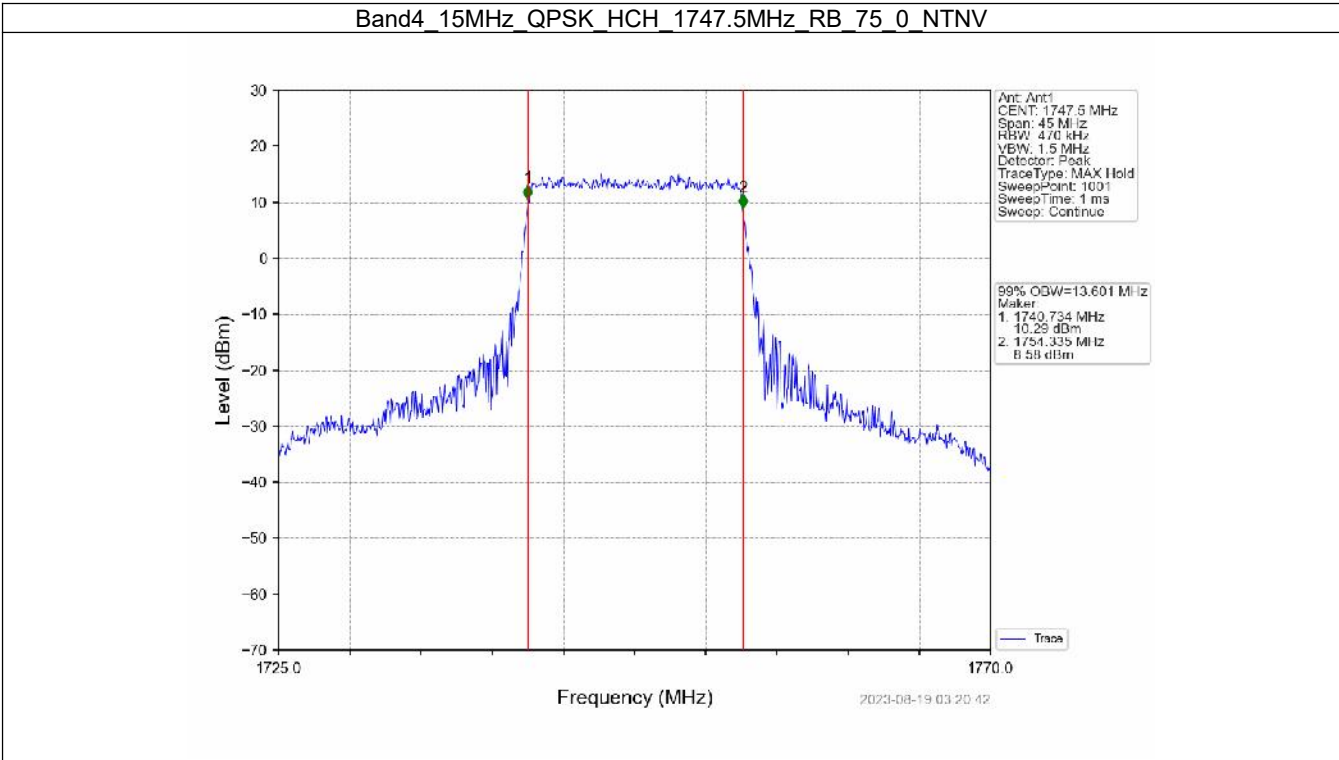


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

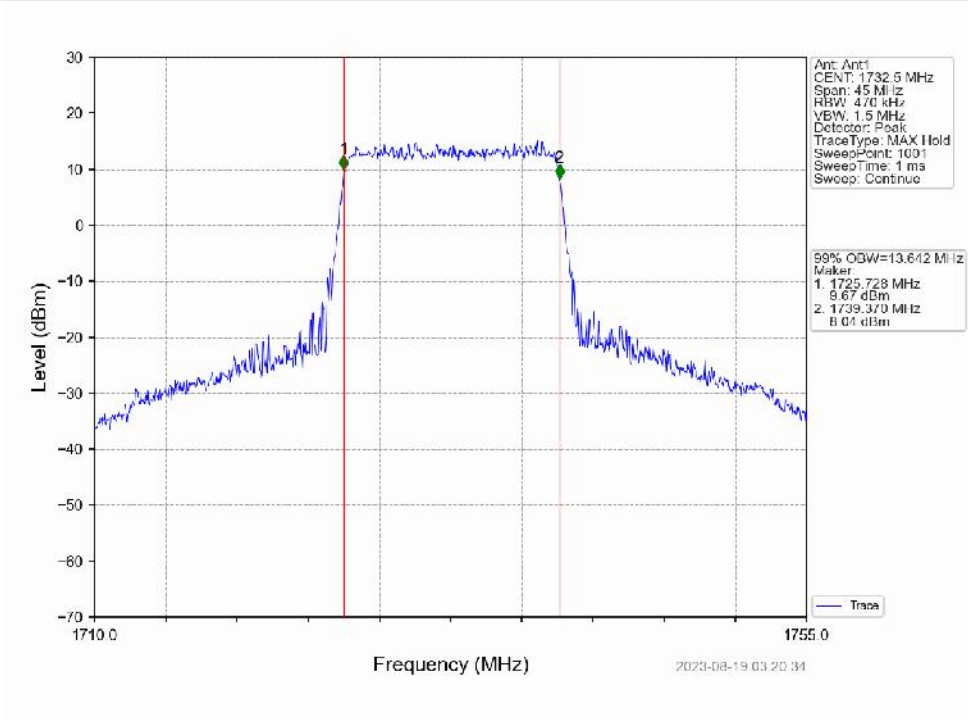




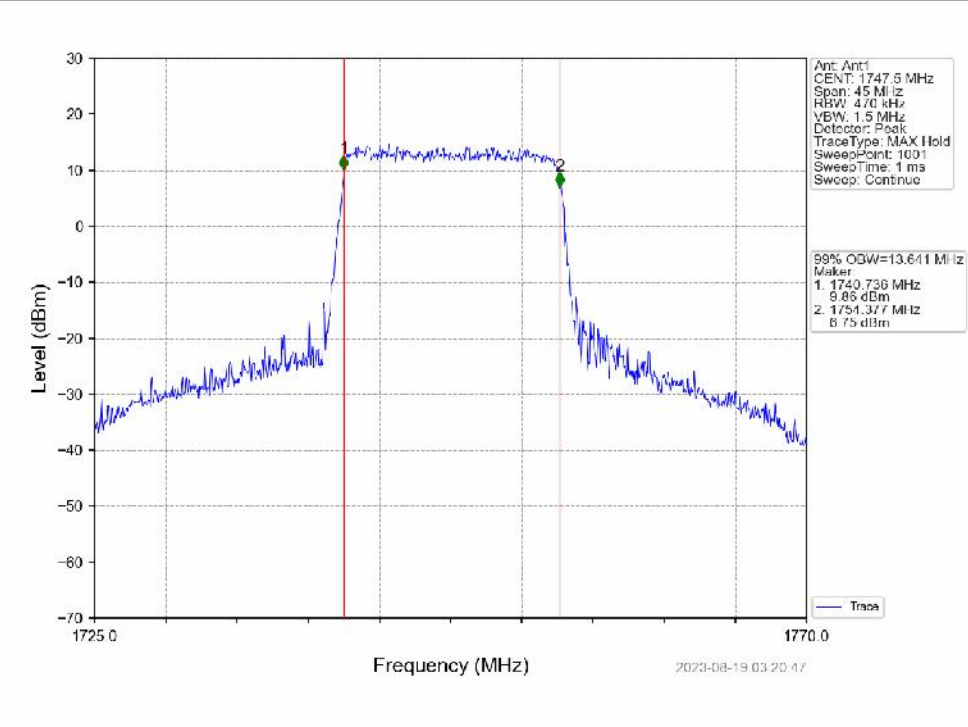




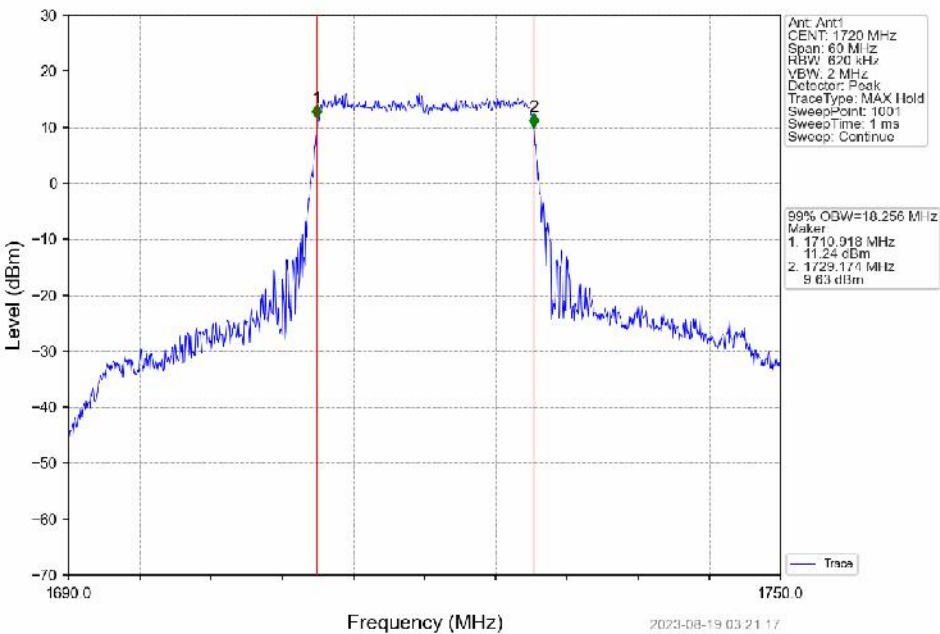
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



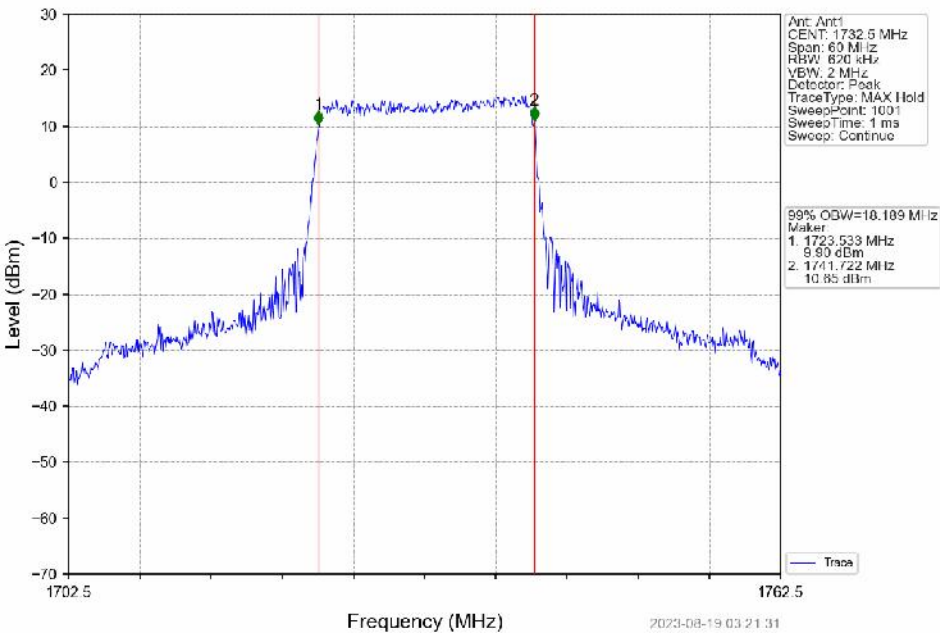
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



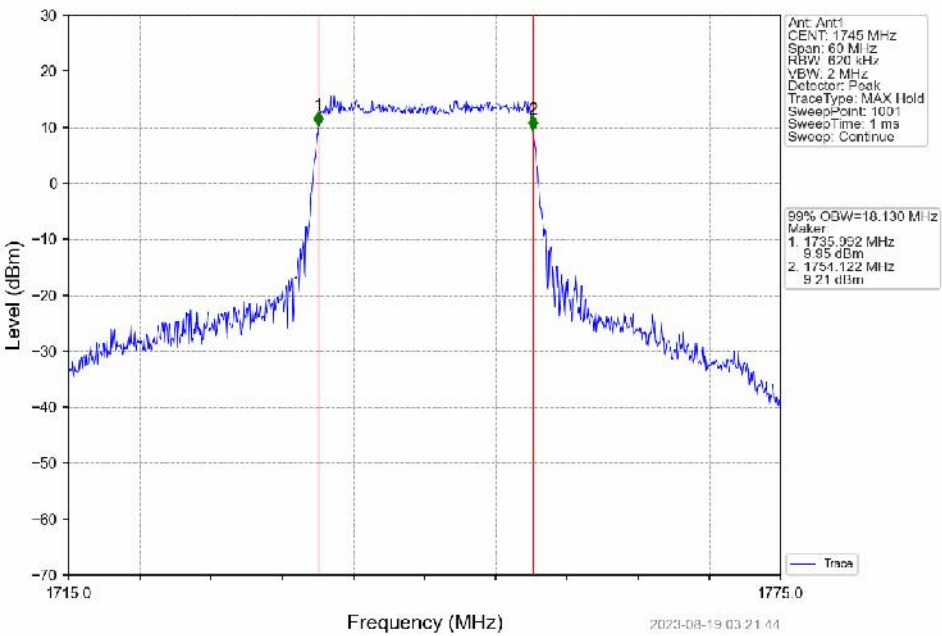
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



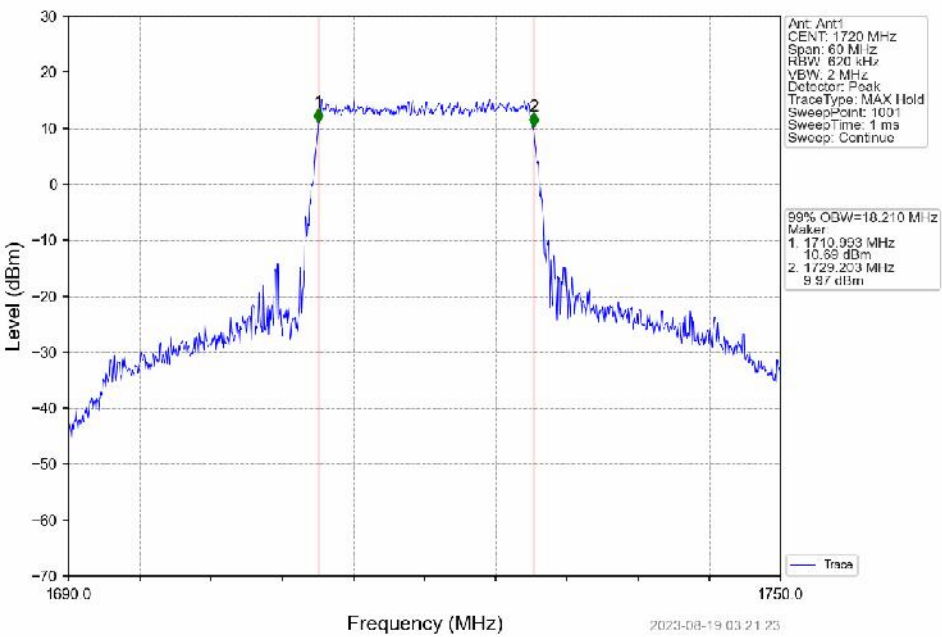
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

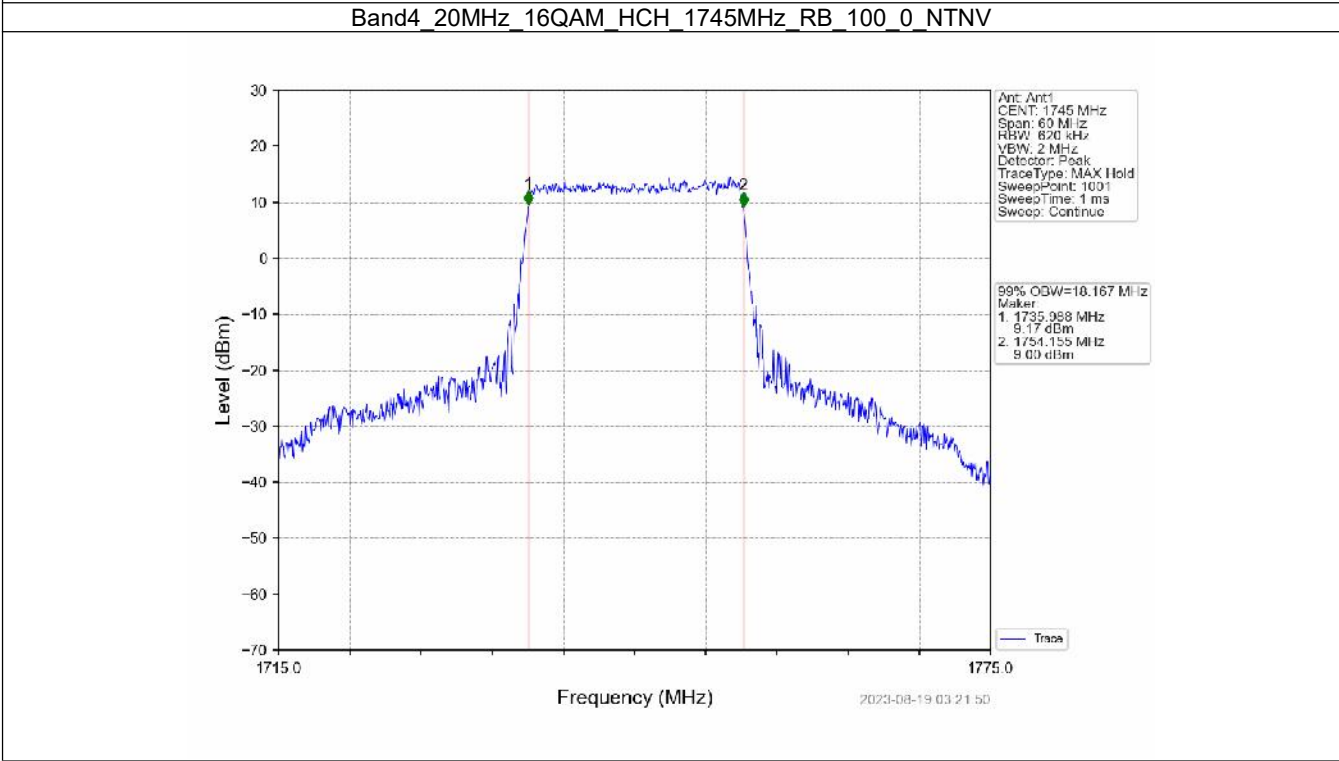
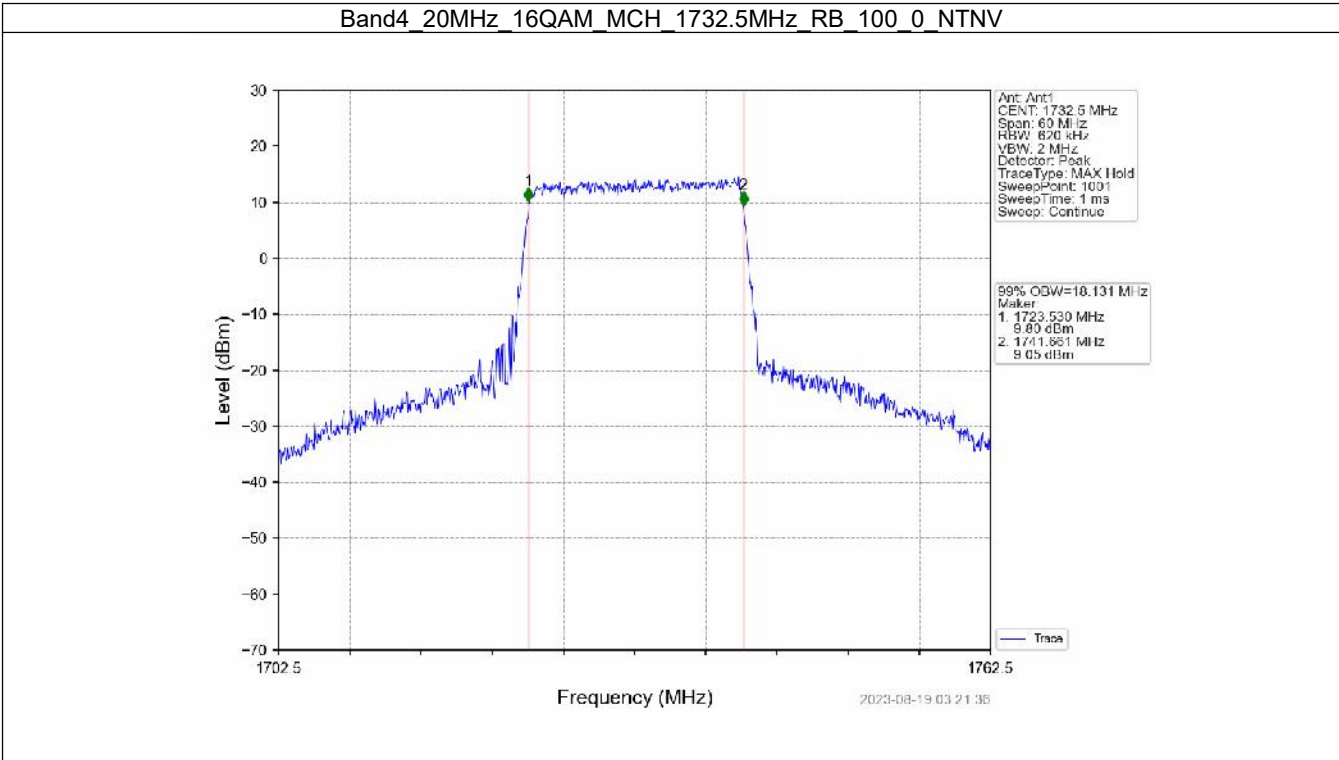


Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



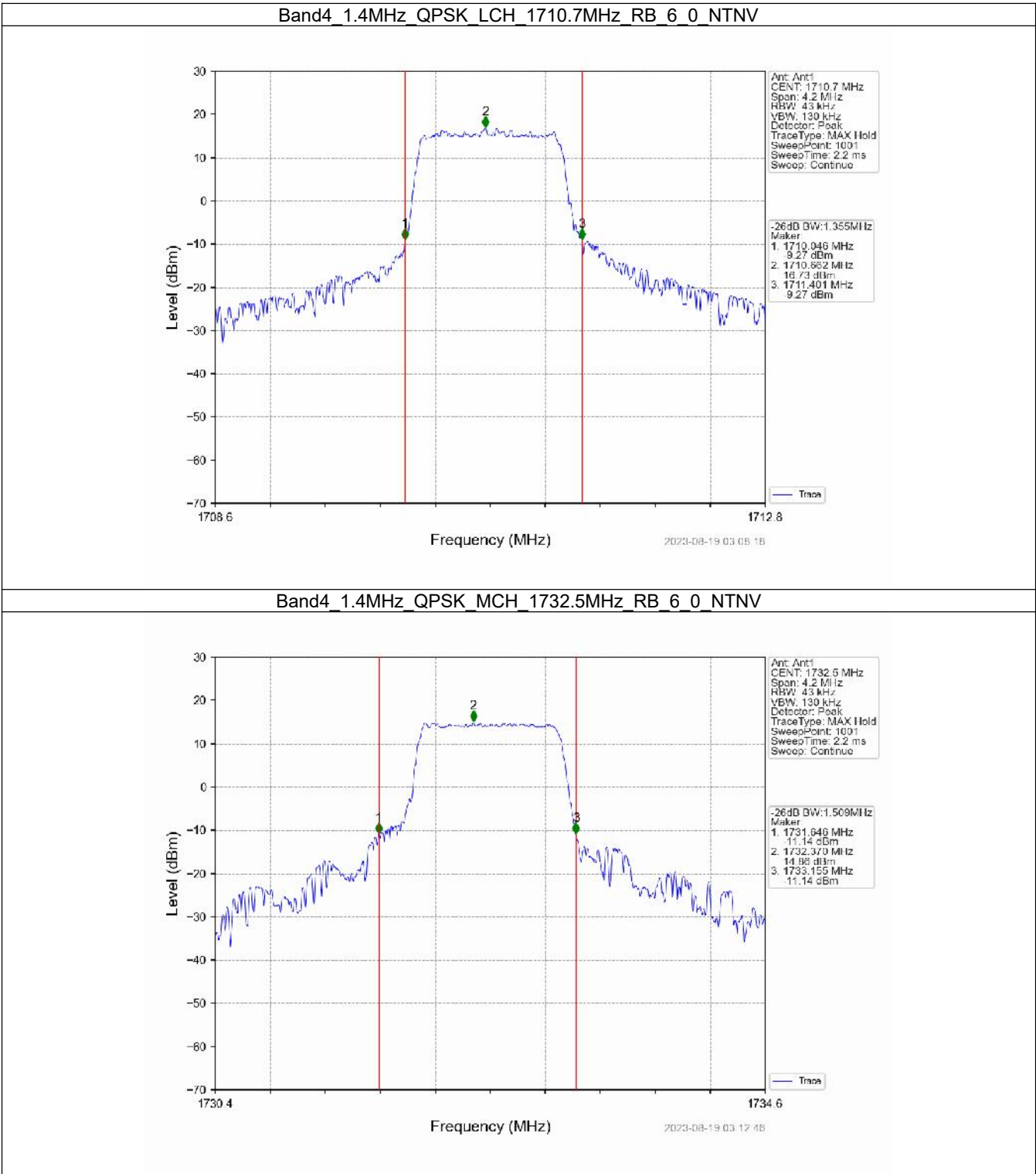


4.2 Band4_XDB

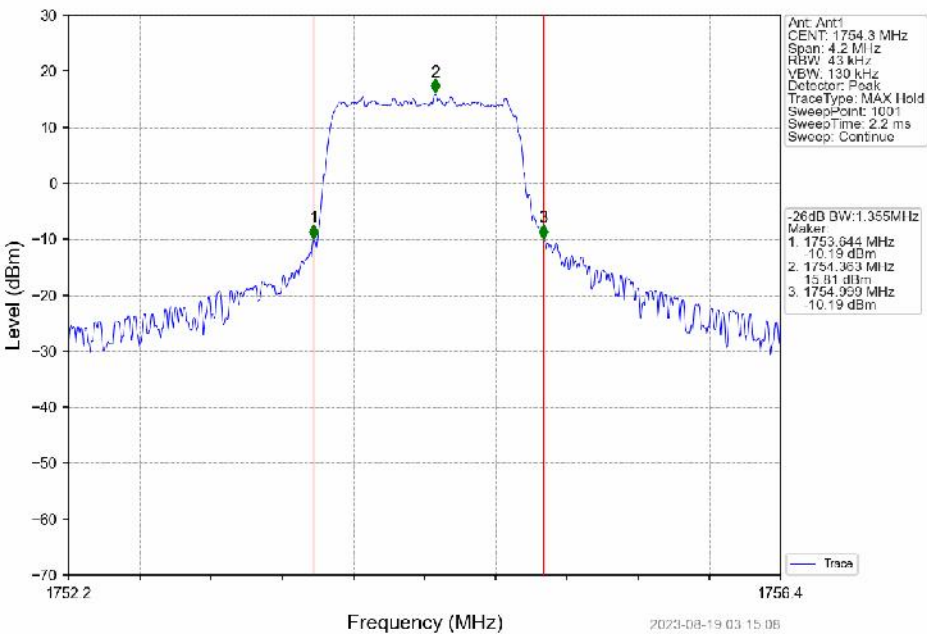
4.2.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.355	Pass
		1732.5	6	0	1.509	Pass
		1754.3	6	0	1.355	Pass
	16QAM	1710.7	6	0	1.469	Pass
		1732.5	6	0	1.340	Pass
		1754.3	6	0	1.361	Pass
3	QPSK	1711.5	15	0	3.308	Pass
		1732.5	15	0	3.174	Pass
		1753.5	15	0	3.366	Pass
	16QAM	1711.5	15	0	3.424	Pass
		1732.5	15	0	3.391	Pass
		1753.5	15	0	3.263	Pass
5	QPSK	1712.5	25	0	5.722	Pass
		1732.5	25	0	5.597	Pass
		1752.5	25	0	5.504	Pass
	16QAM	1712.5	25	0	5.287	Pass
		1732.5	25	0	5.886	Pass
		1752.5	25	0	5.642	Pass
10	QPSK	1715	50	0	10.222	Pass
		1732.5	50	0	10.304	Pass
		1750	50	0	10.346	Pass
	16QAM	1715	50	0	10.800	Pass
		1732.5	50	0	9.974	Pass
		1750	50	0	10.105	Pass
15	QPSK	1717.5	75	0	16.173	Pass
		1732.5	75	0	15.688	Pass
		1747.5	75	0	15.726	Pass
	16QAM	1717.5	75	0	15.262	Pass
		1732.5	75	0	15.618	Pass
		1747.5	75	0	15.120	Pass
20	QPSK	1720	100	0	20.889	Pass
		1732.5	100	0	20.663	Pass
		1745	100	0	20.497	Pass
	16QAM	1720	100	0	20.580	Pass
		1732.5	100	0	20.614	Pass
		1745	100	0	20.766	Pass

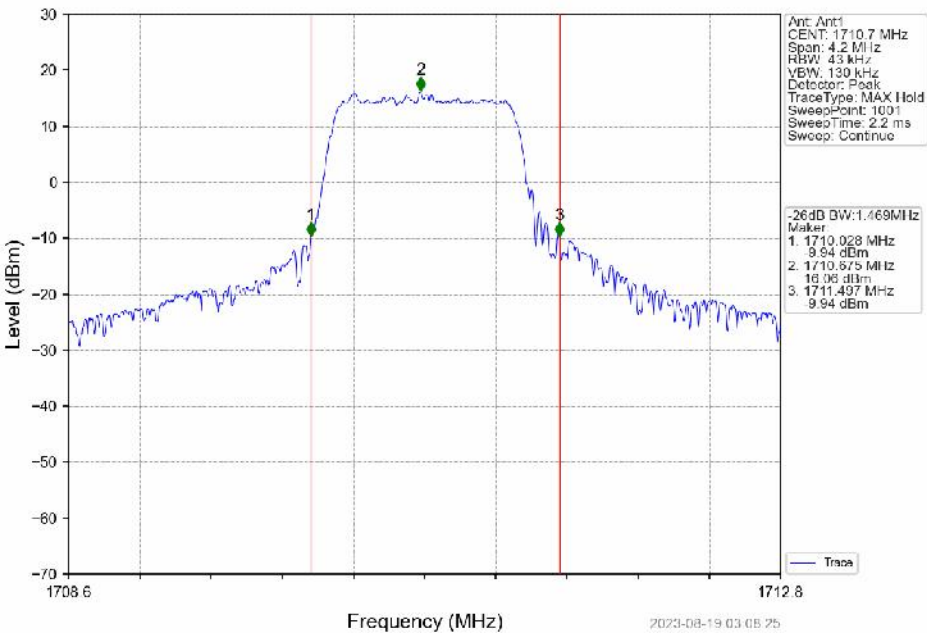
4.2.2 Test Graph



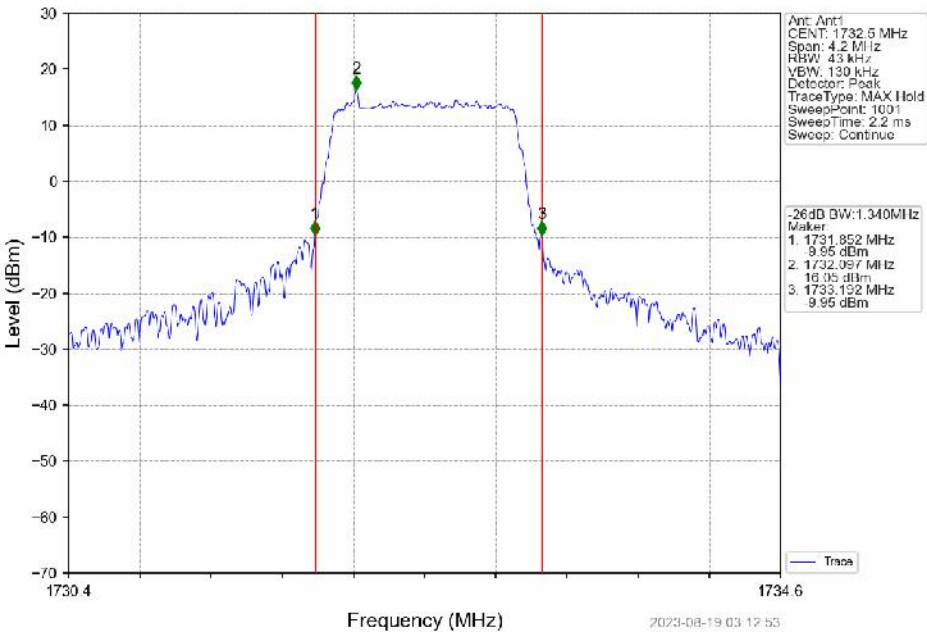
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



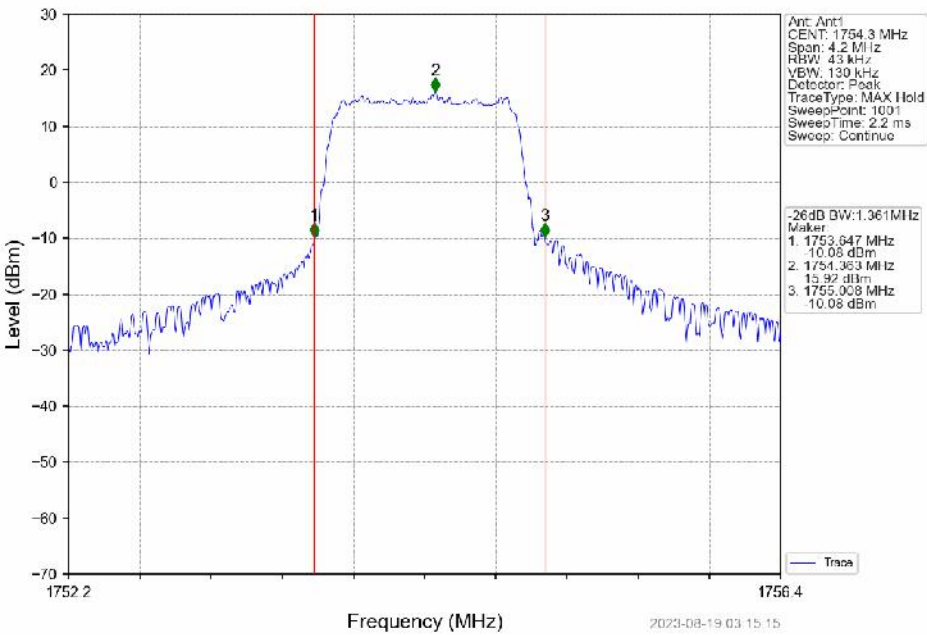
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



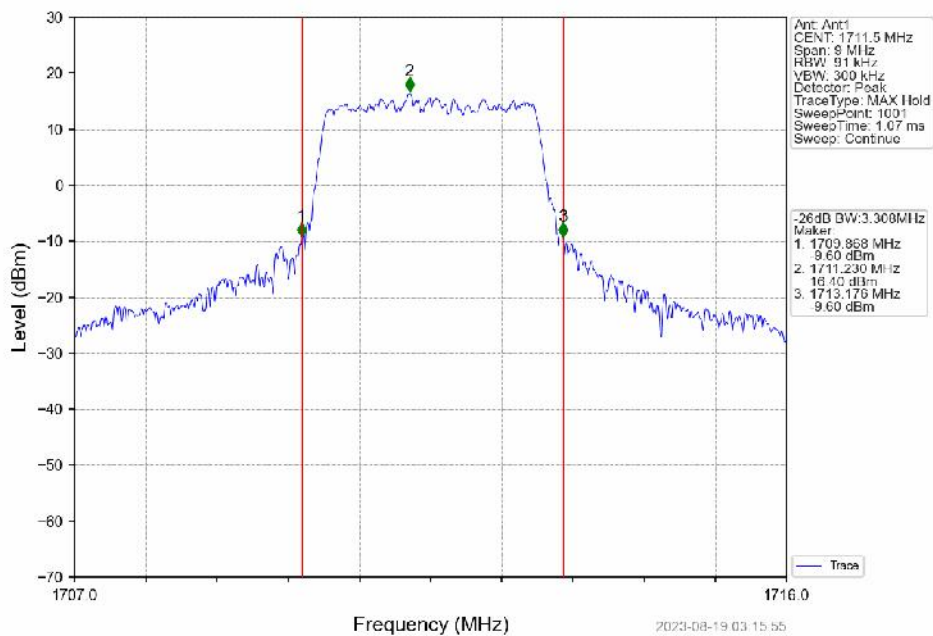
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



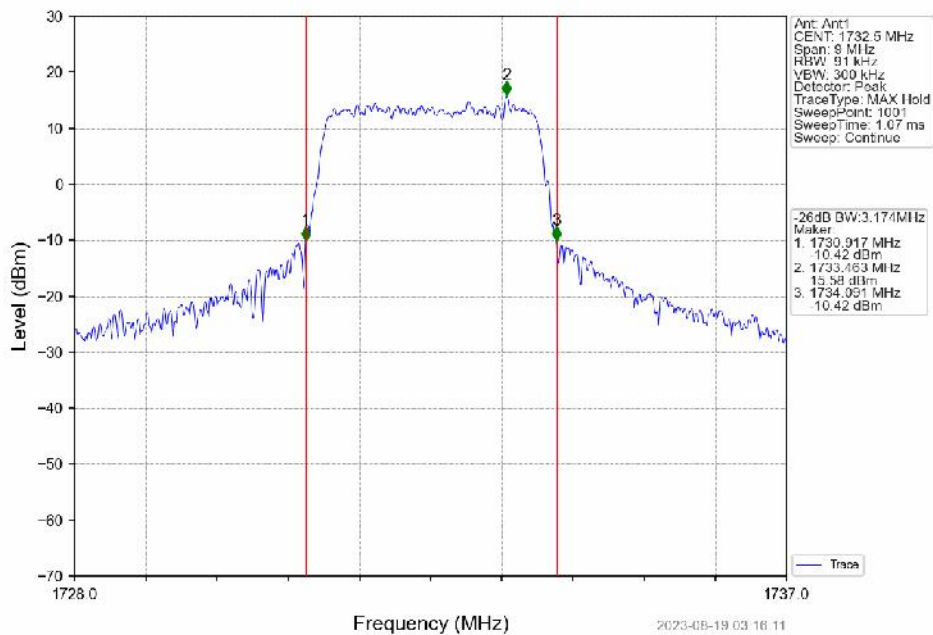
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



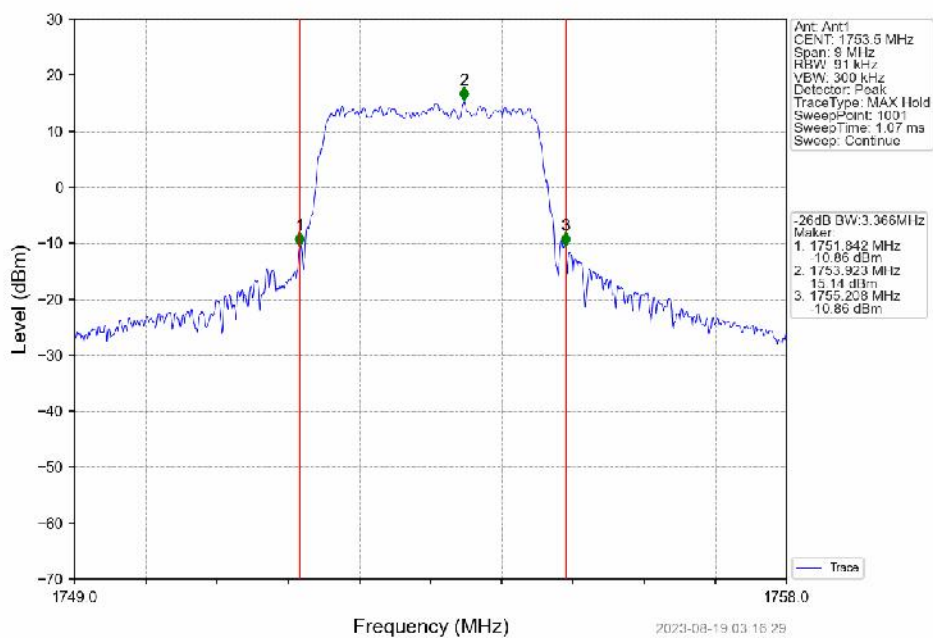
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



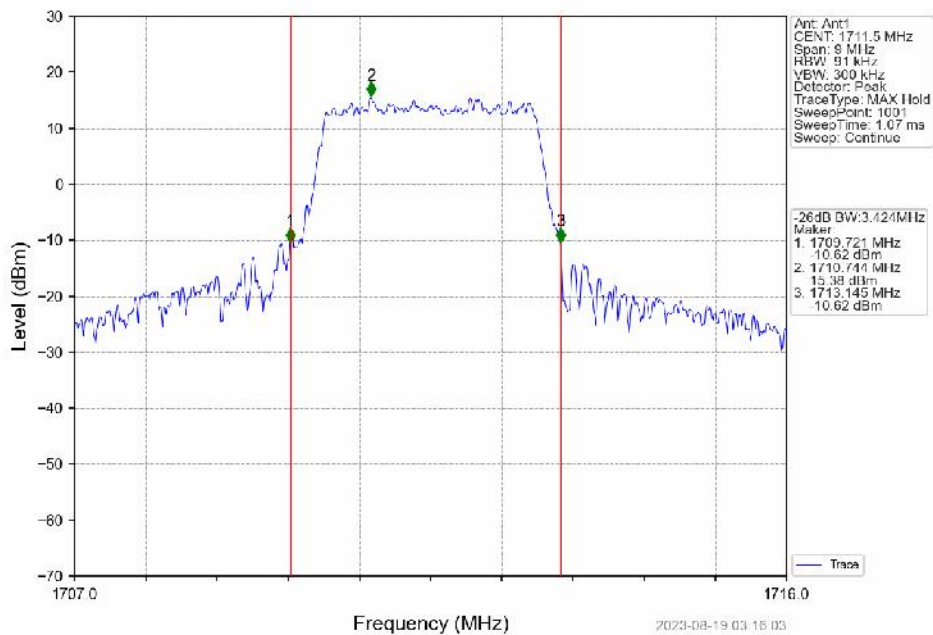
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



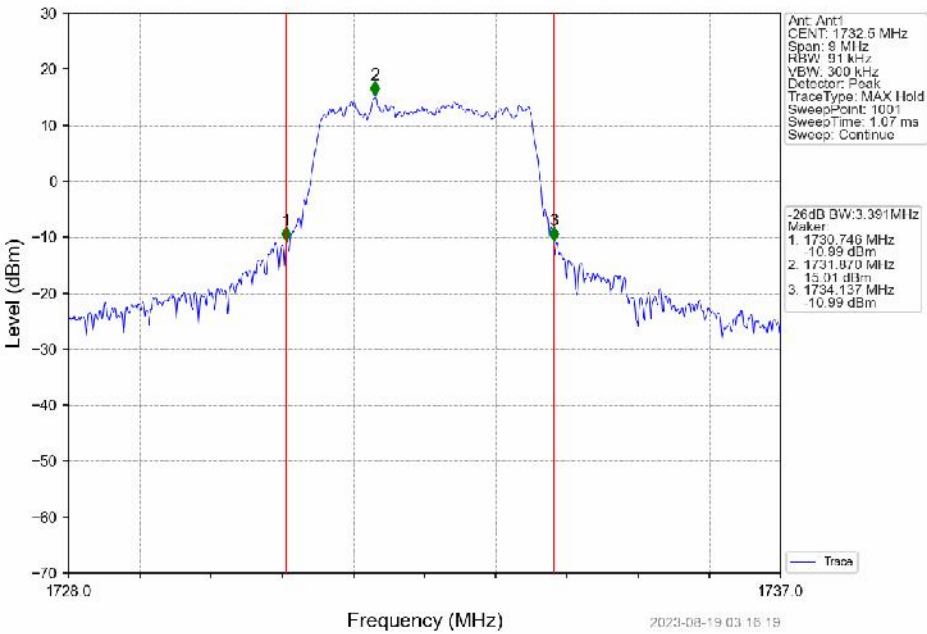
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



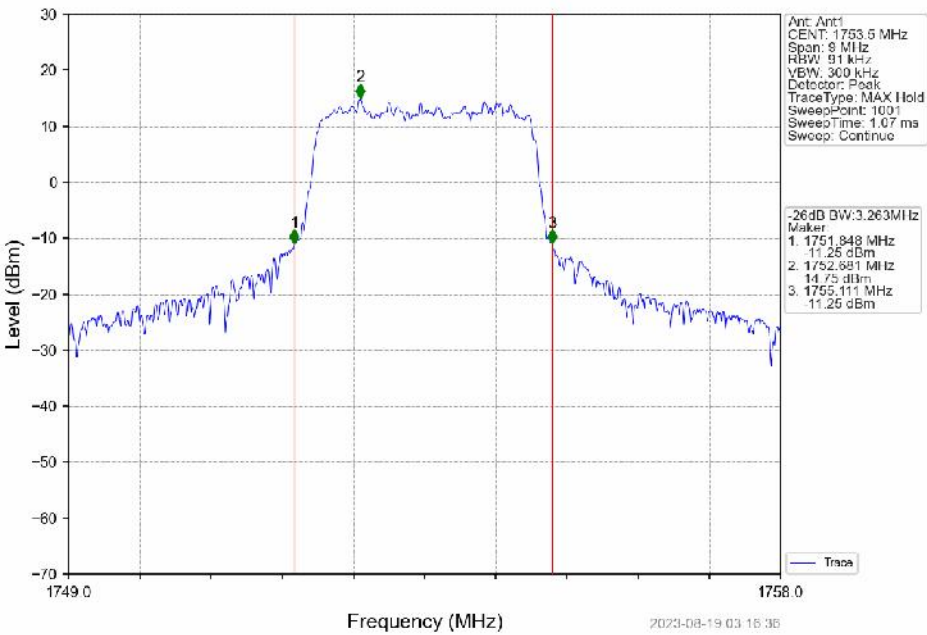
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



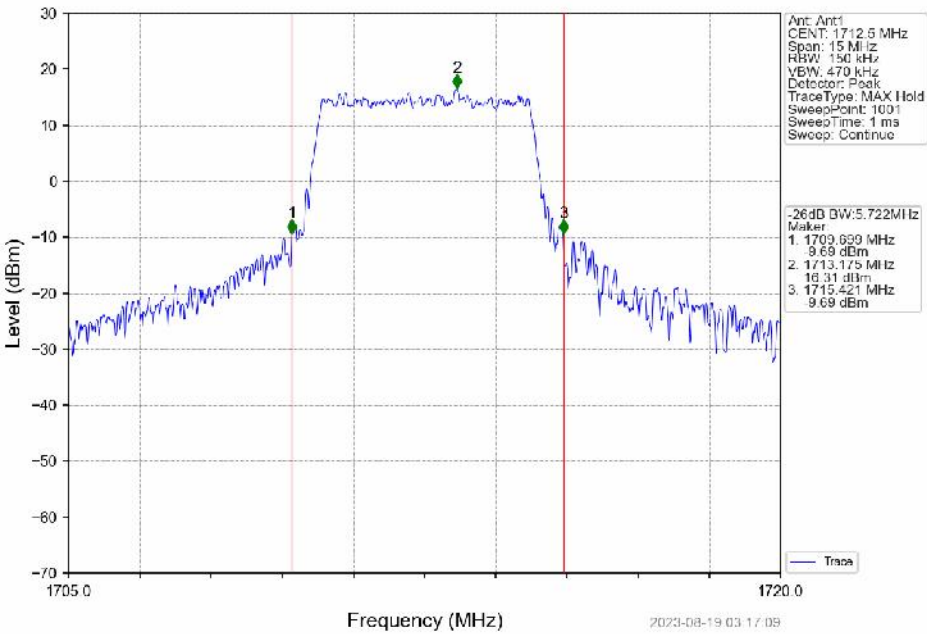
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



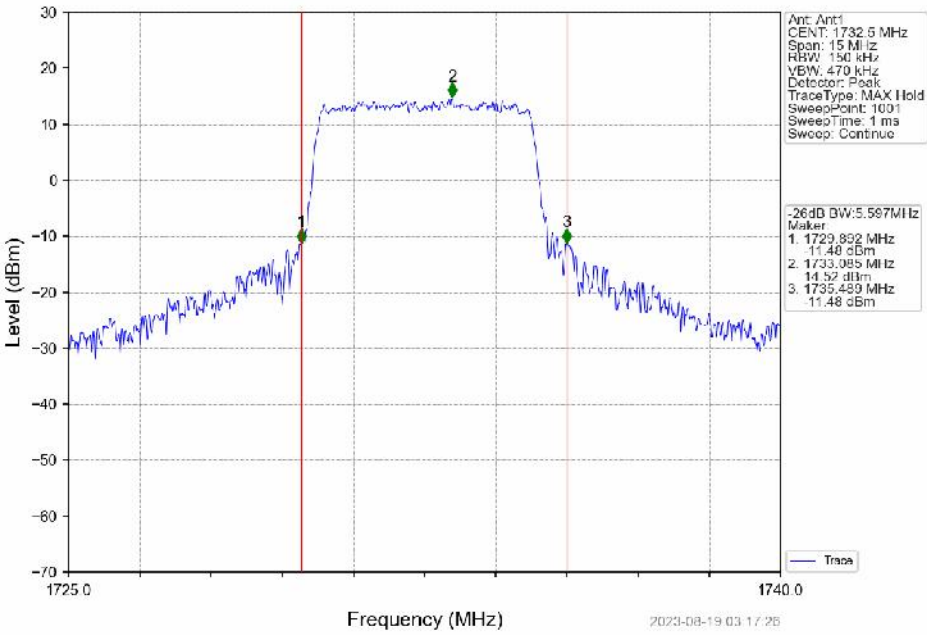
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



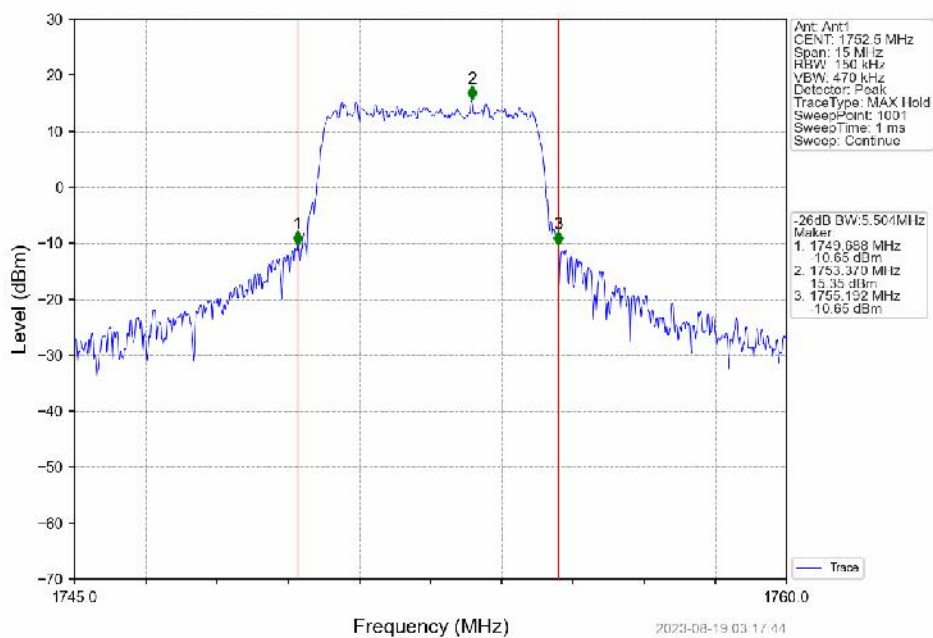
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



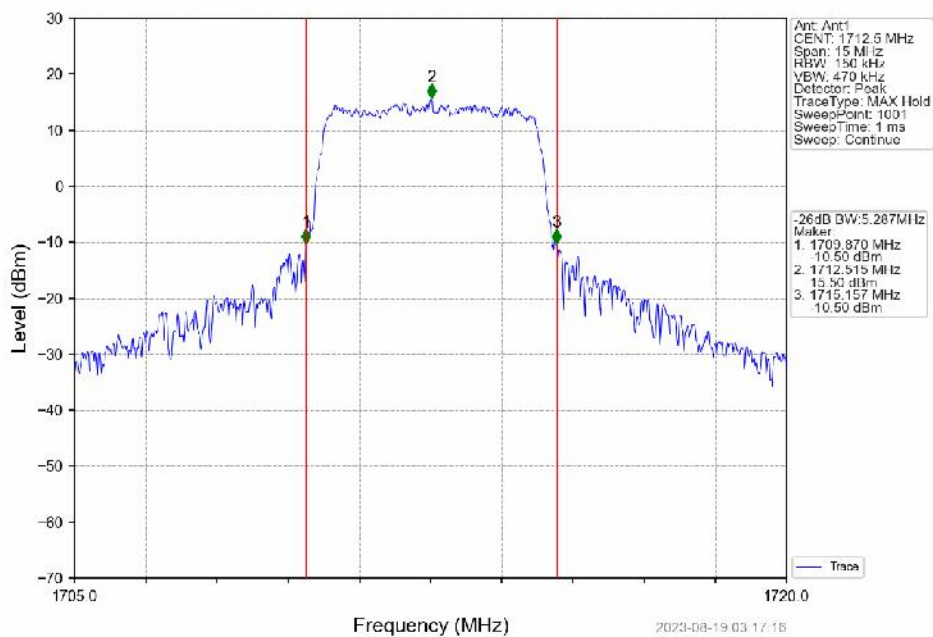
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



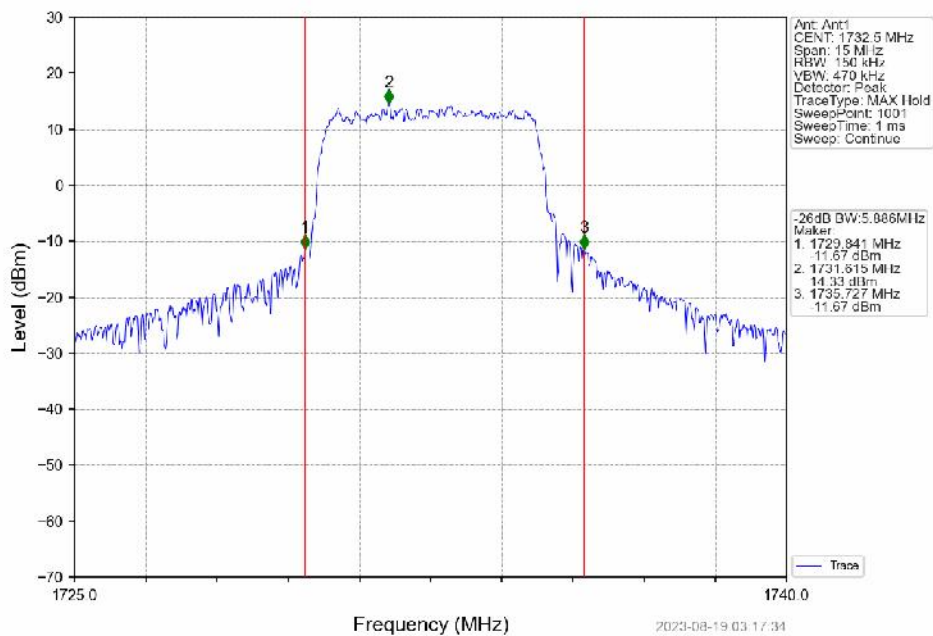
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



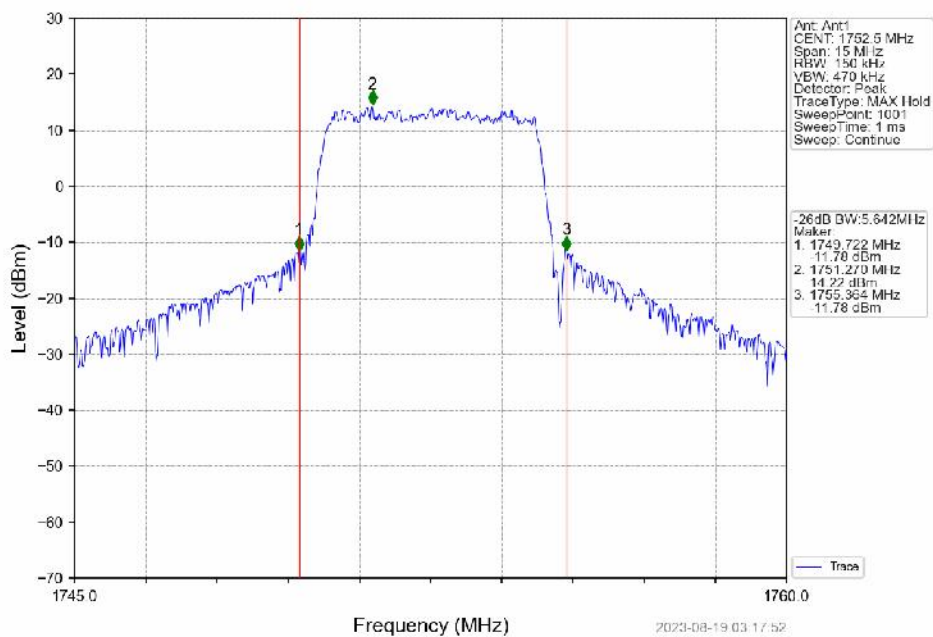
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



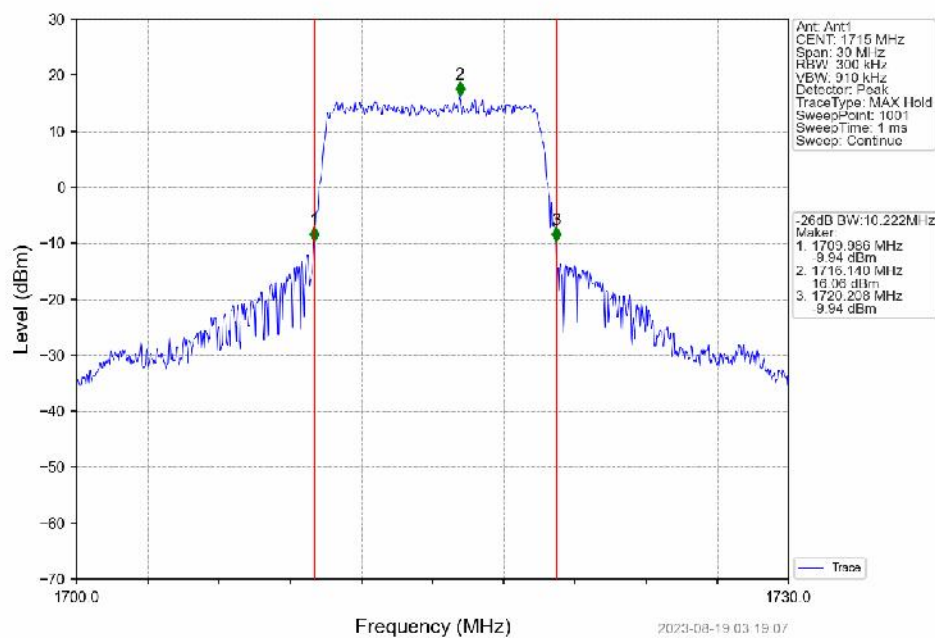
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



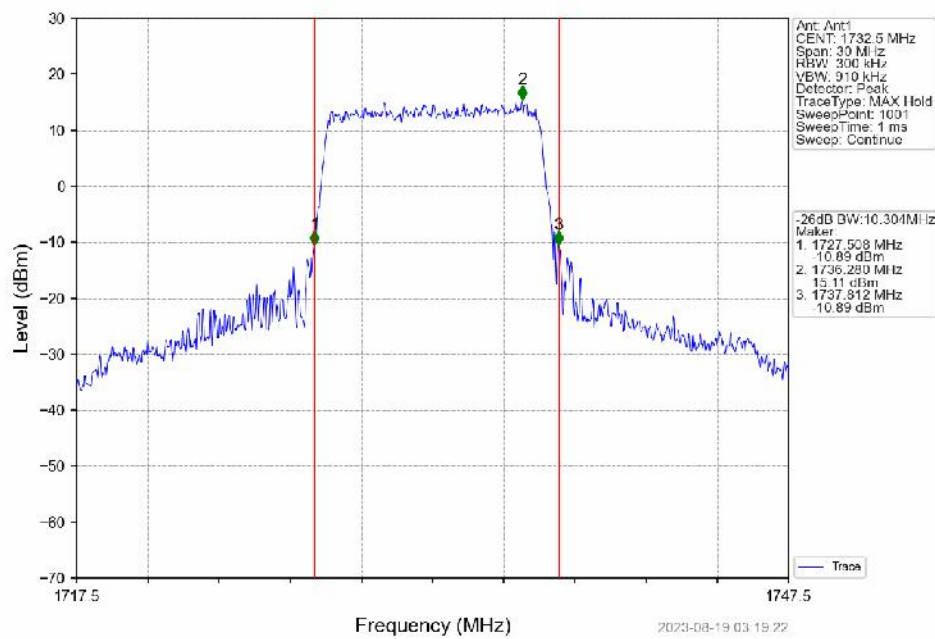
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



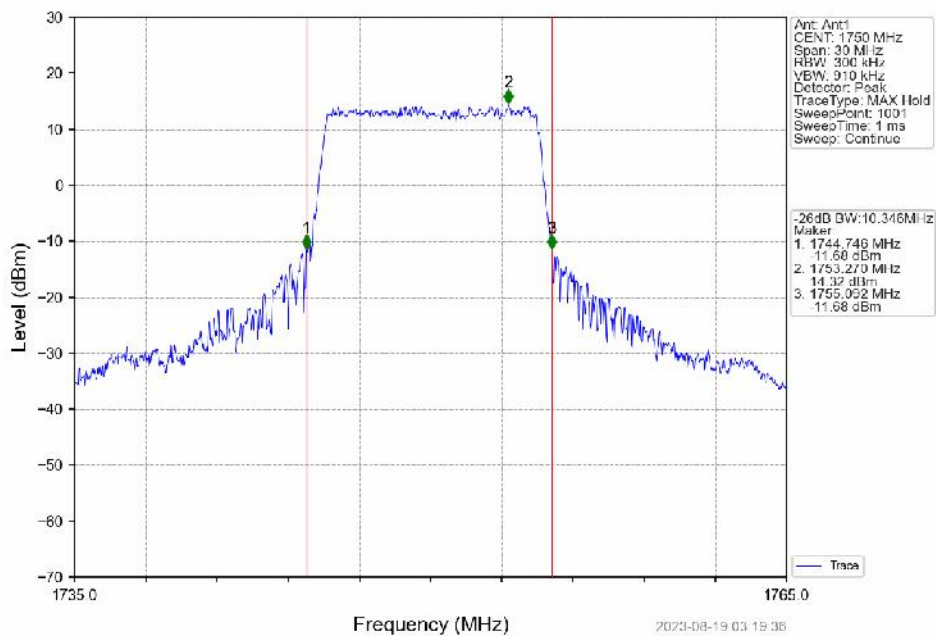
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



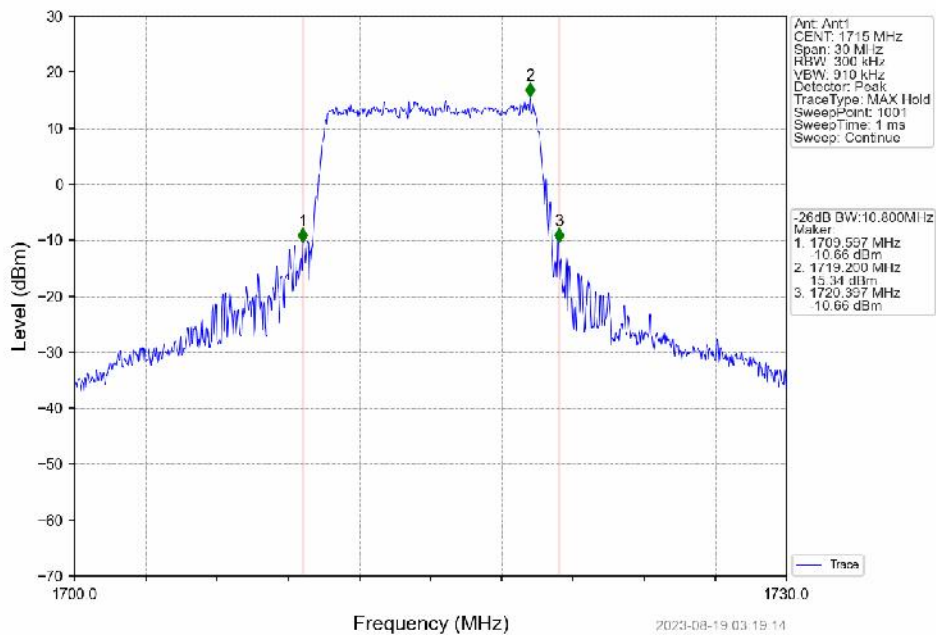
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



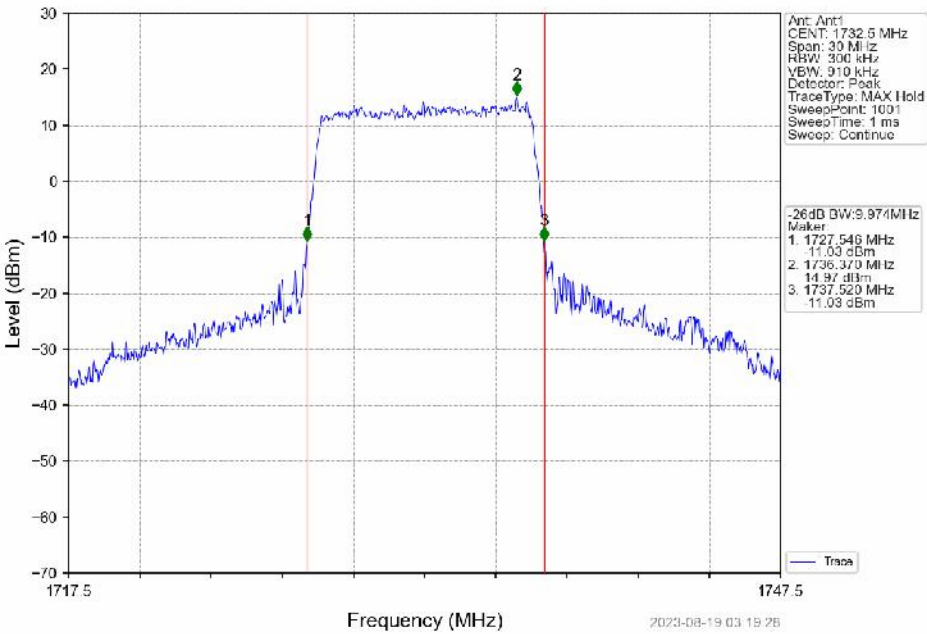
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



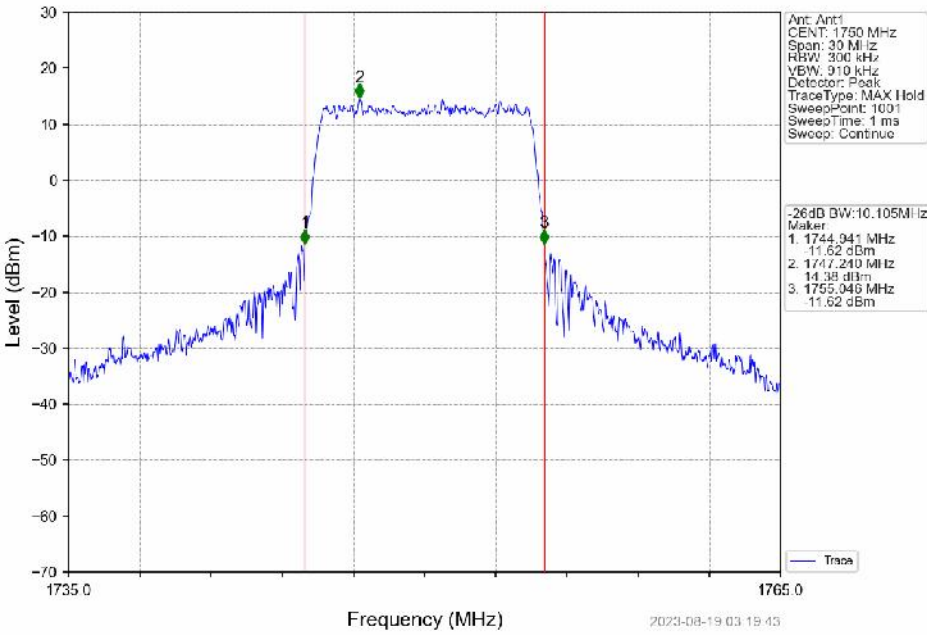
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



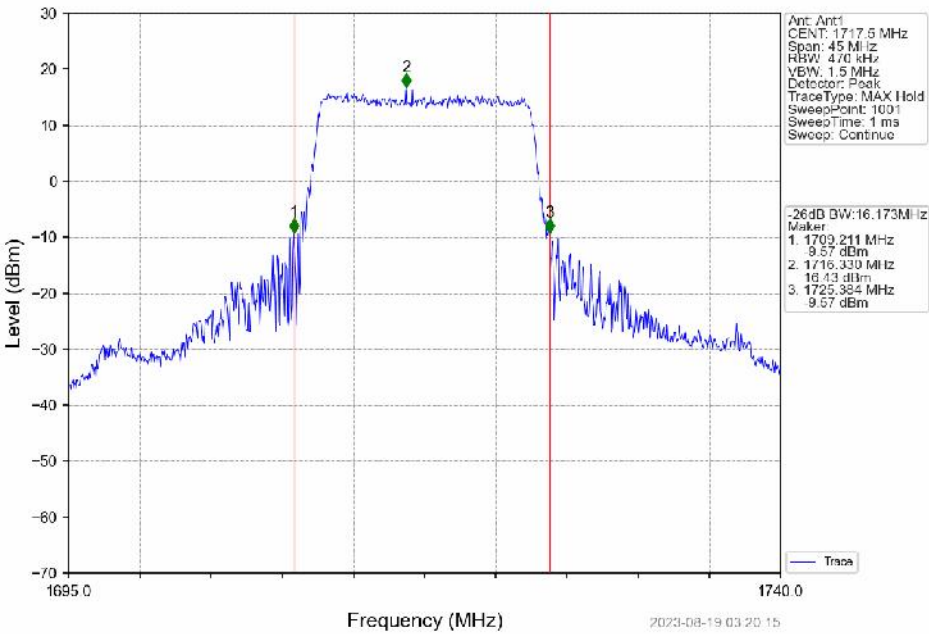
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



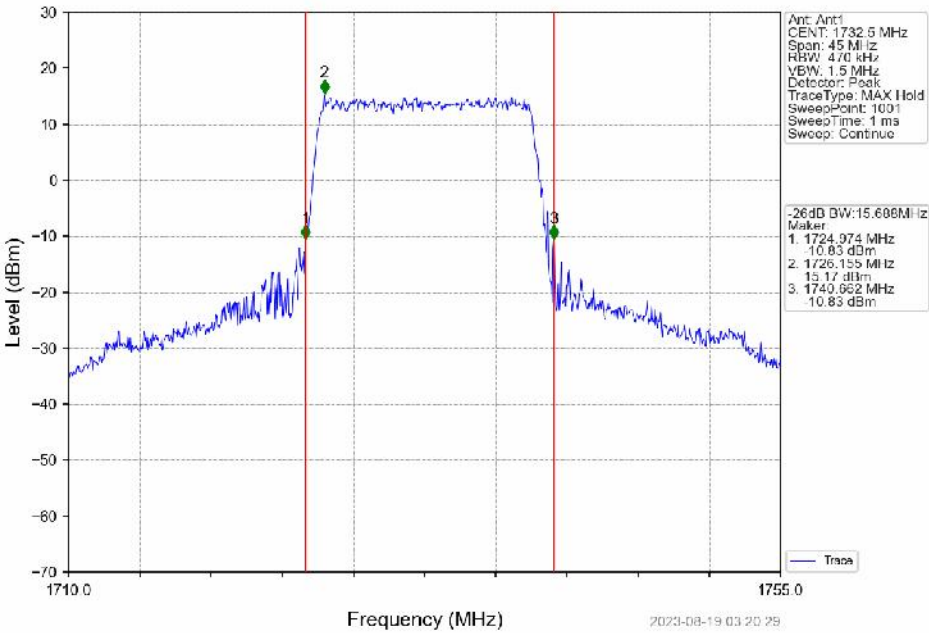
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



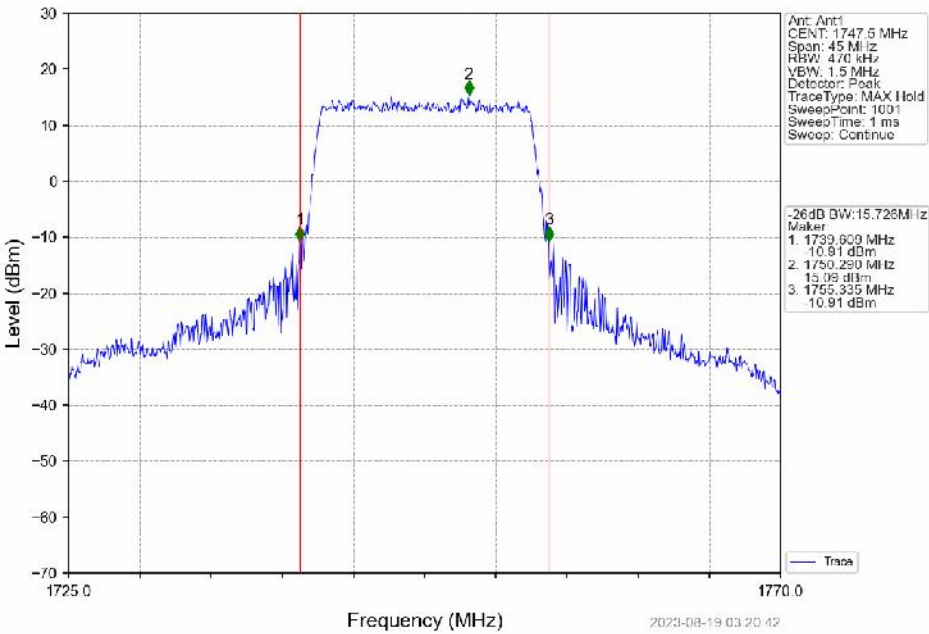
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



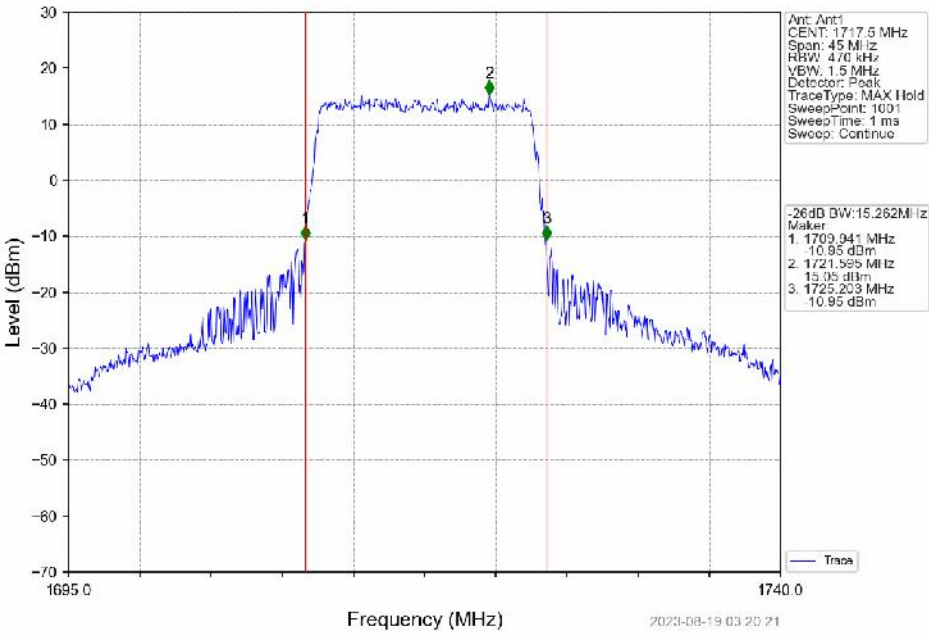
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

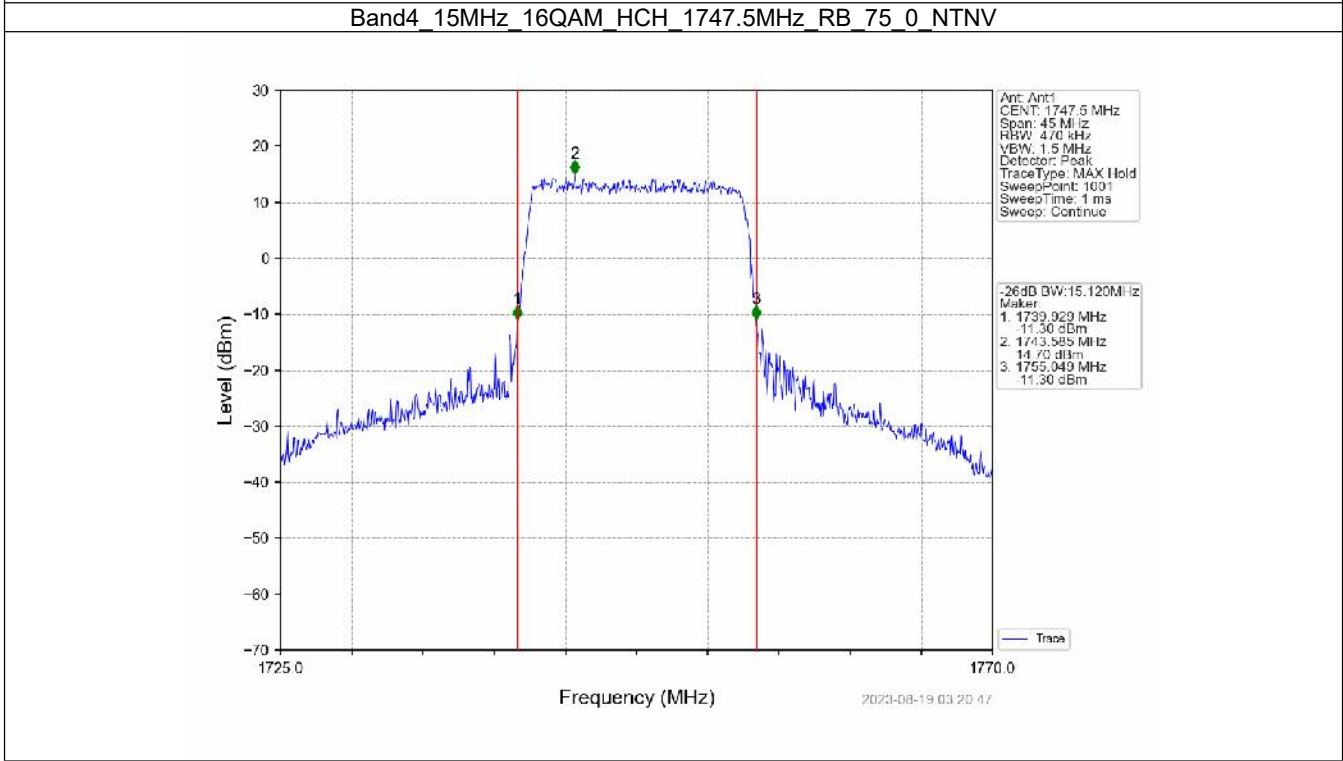
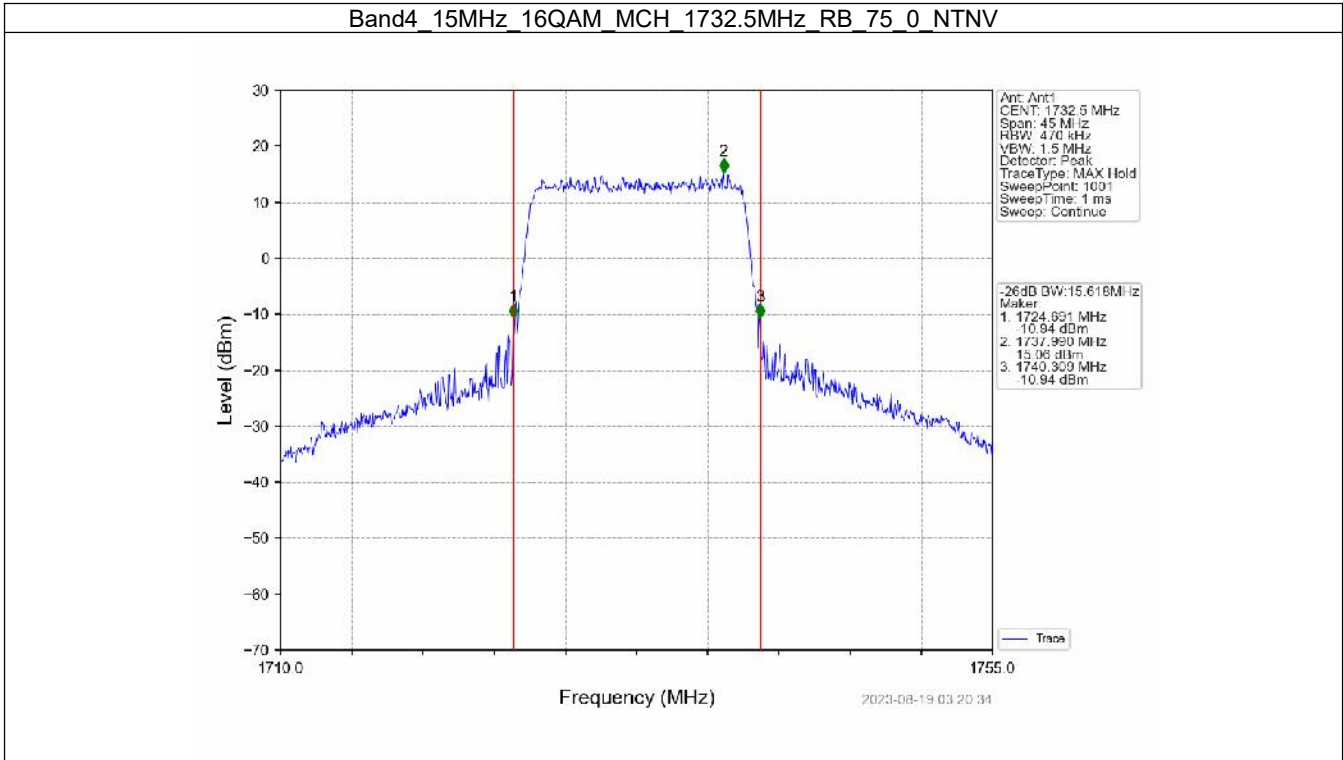


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

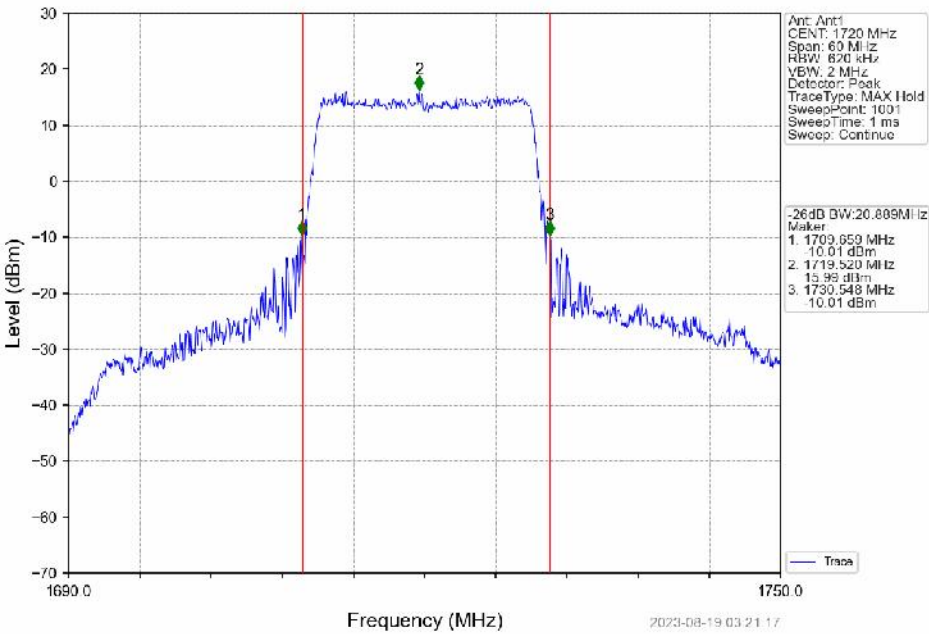


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

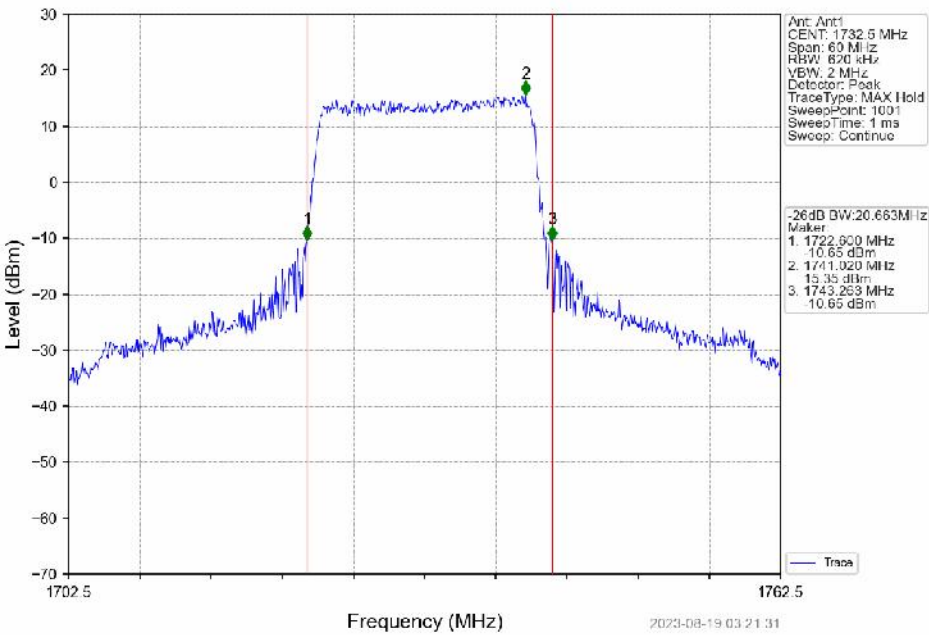




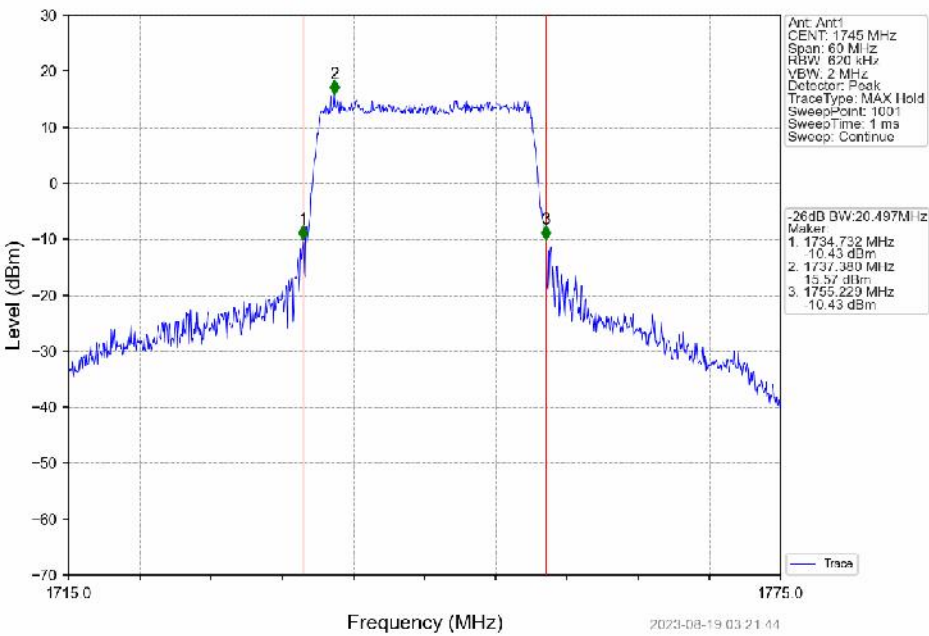
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



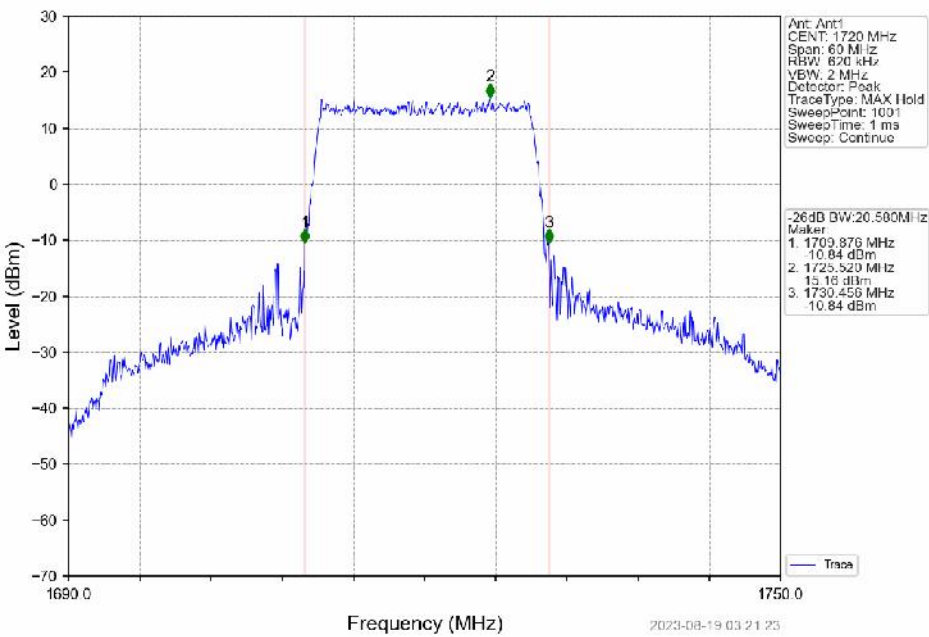
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

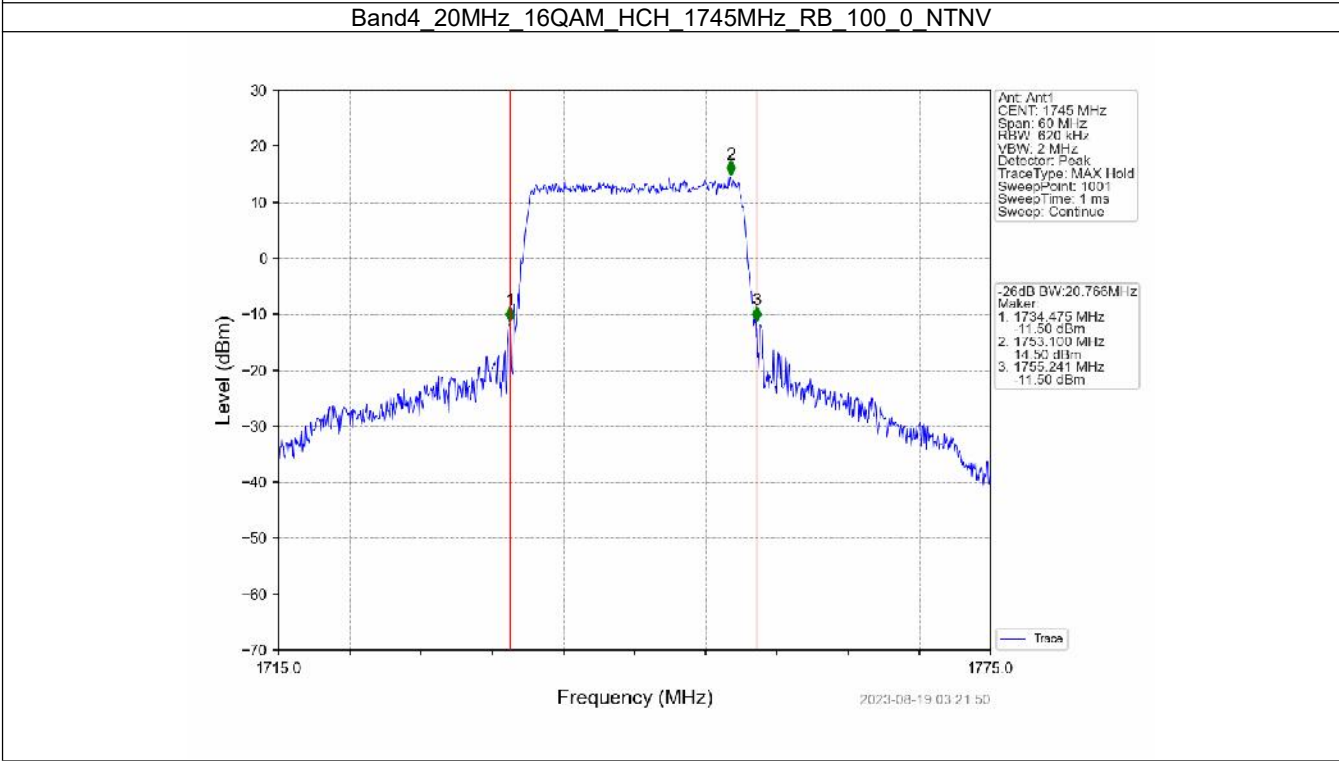
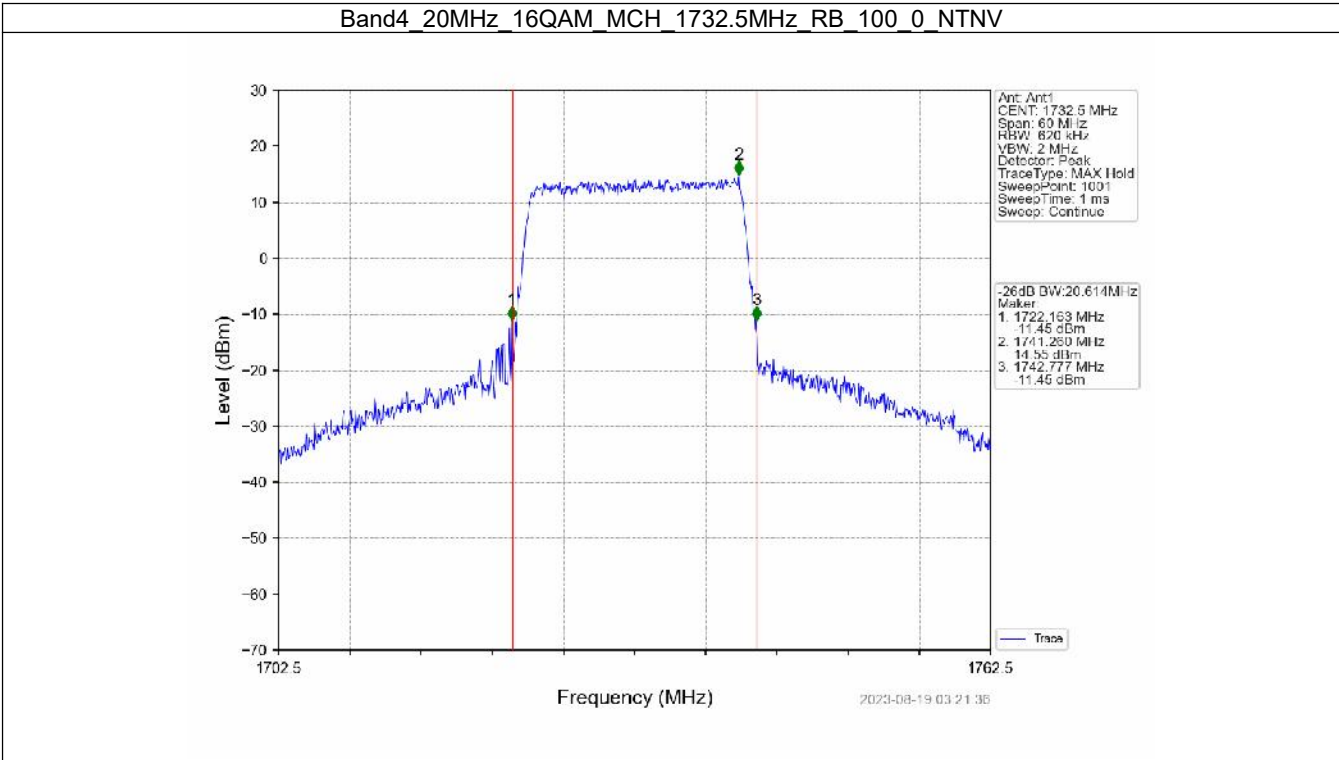


Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV





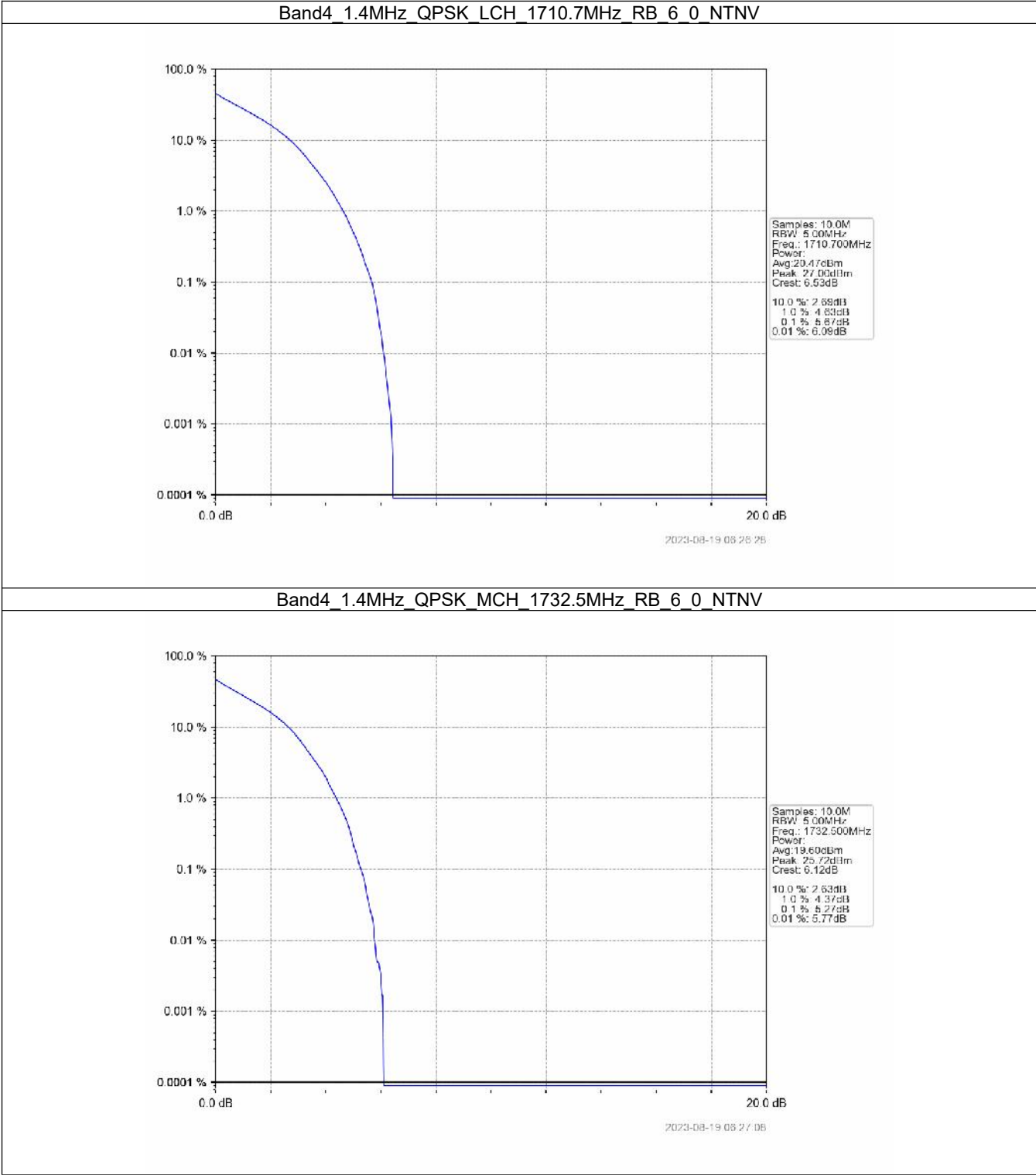
5. Peak-Average Ratio

5.1 B4_1.4MHz

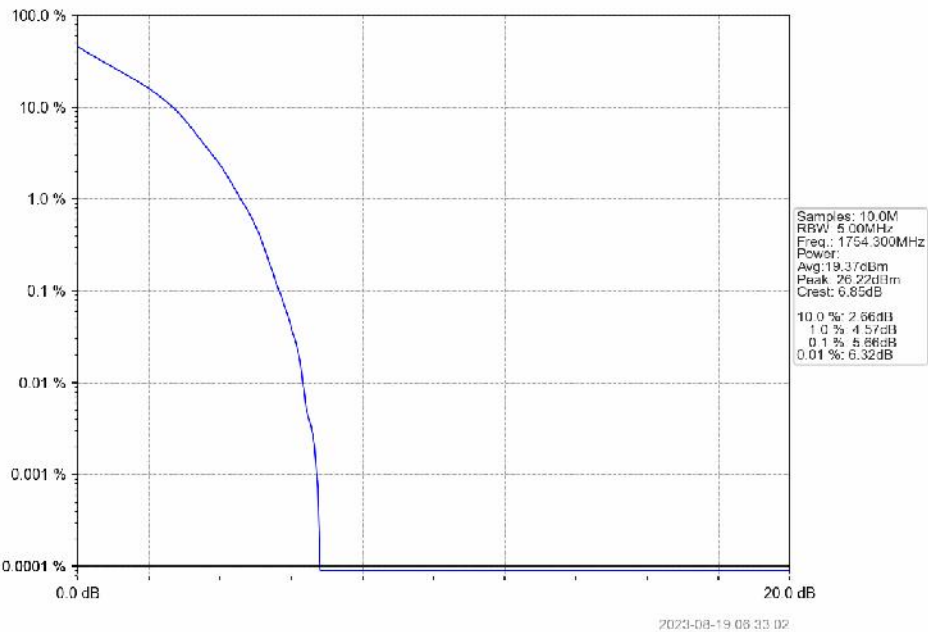
5.1.1 Test Result

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	5.67	<=13	Pass
	1732.5	6	0	5.27	<=13	Pass
	1754.3	6	0	5.66	<=13	Pass
16QAM	1710.7	6	0	6.37	<=13	Pass
	1732.5	6	0	6.03	<=13	Pass
	1754.3	6	0	6.44	<=13	Pass

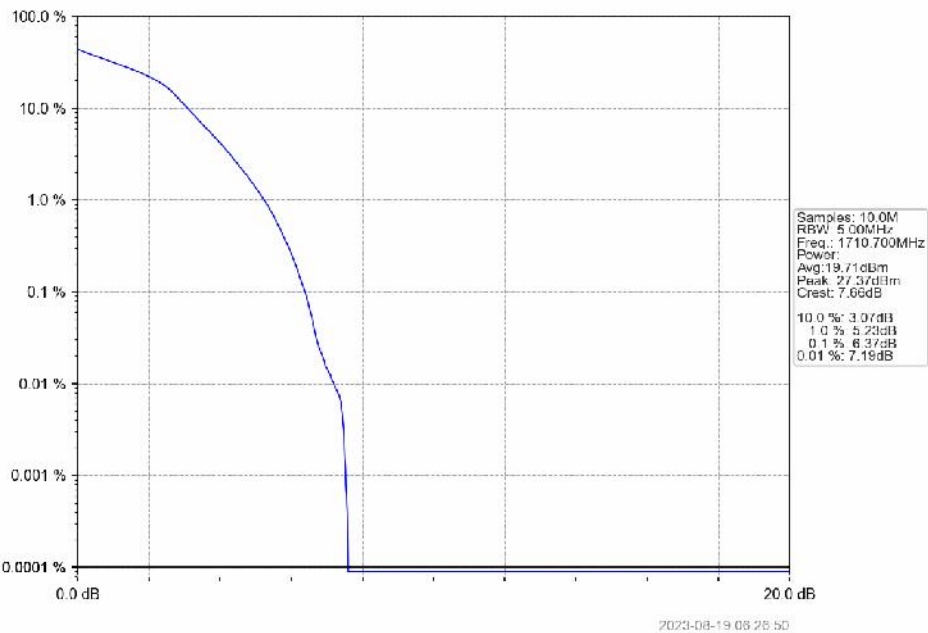
5.1.2 Test Graph



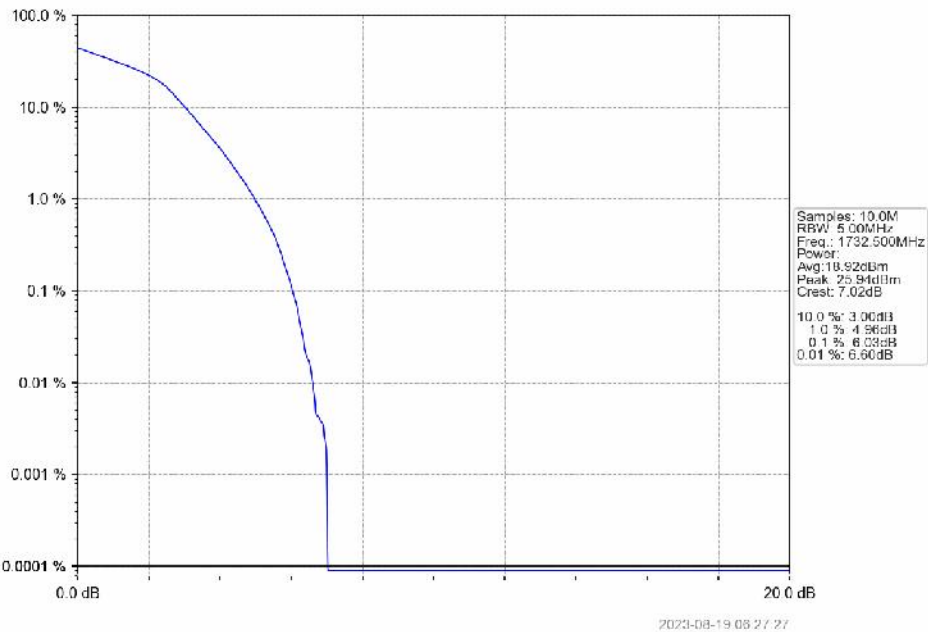
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



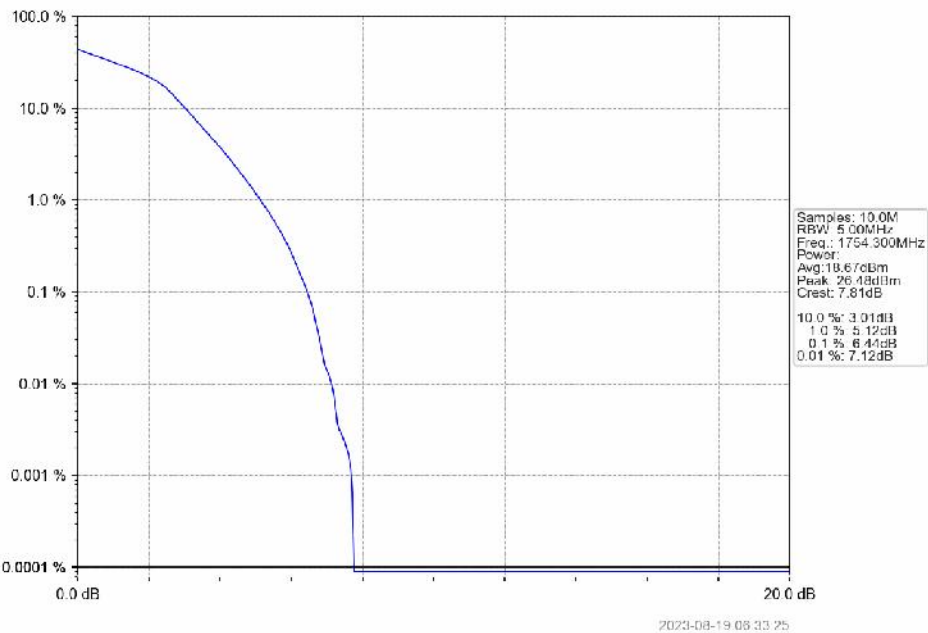
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

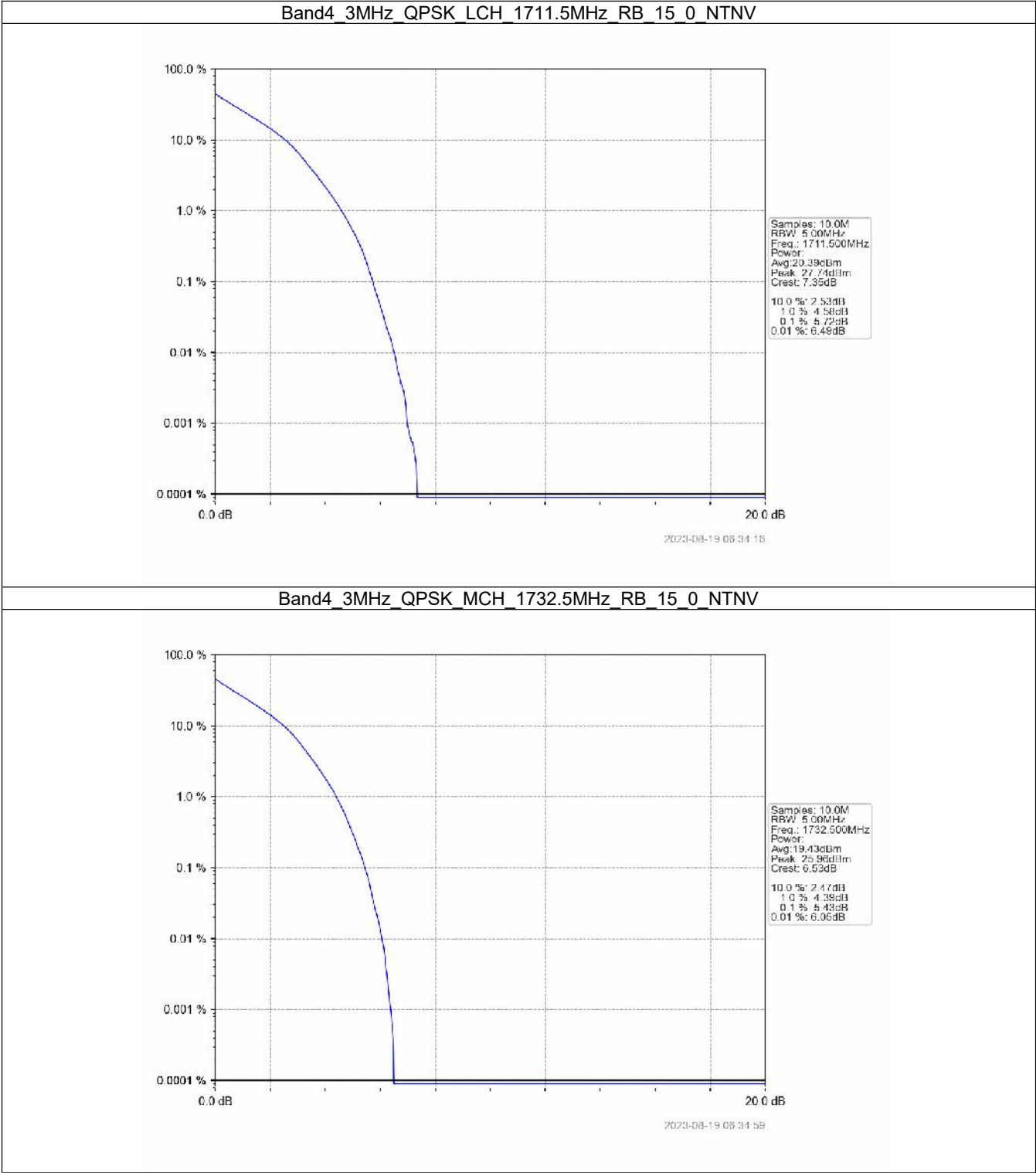


5.2 B4_3MHz

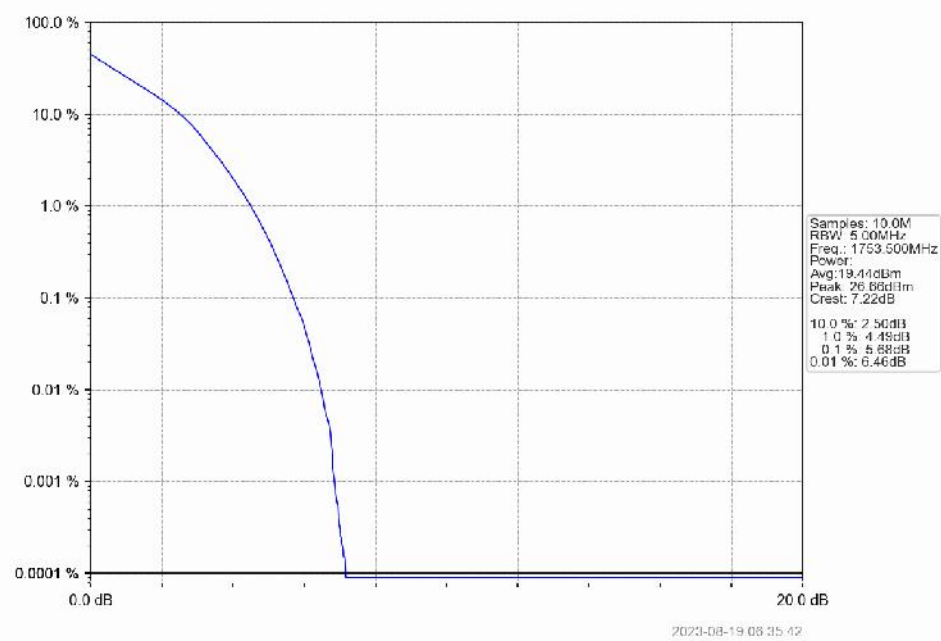
5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.72	<=13	Pass
	1732.5	15	0	5.43	<=13	Pass
	1753.5	15	0	5.68	<=13	Pass
16QAM	1711.5	15	0	6.52	<=13	Pass
	1732.5	15	0	6.21	<=13	Pass
	1753.5	15	0	6.47	<=13	Pass

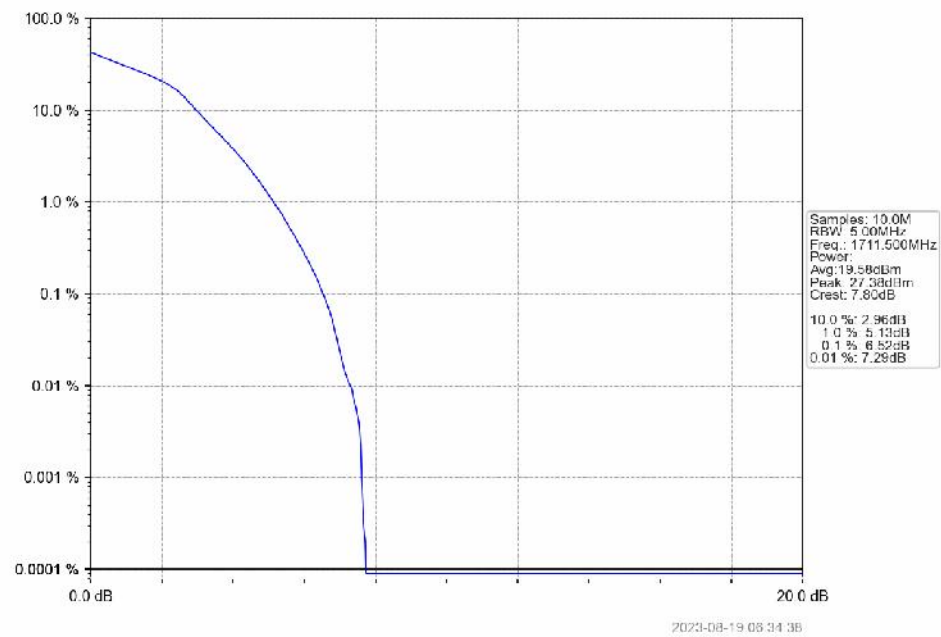
5.2.2 Test Graph



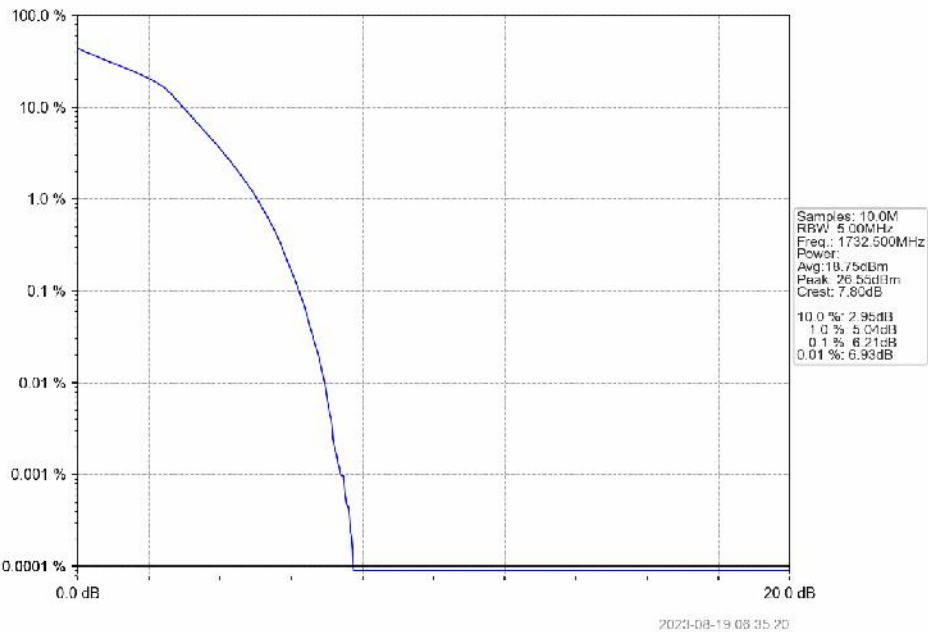
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



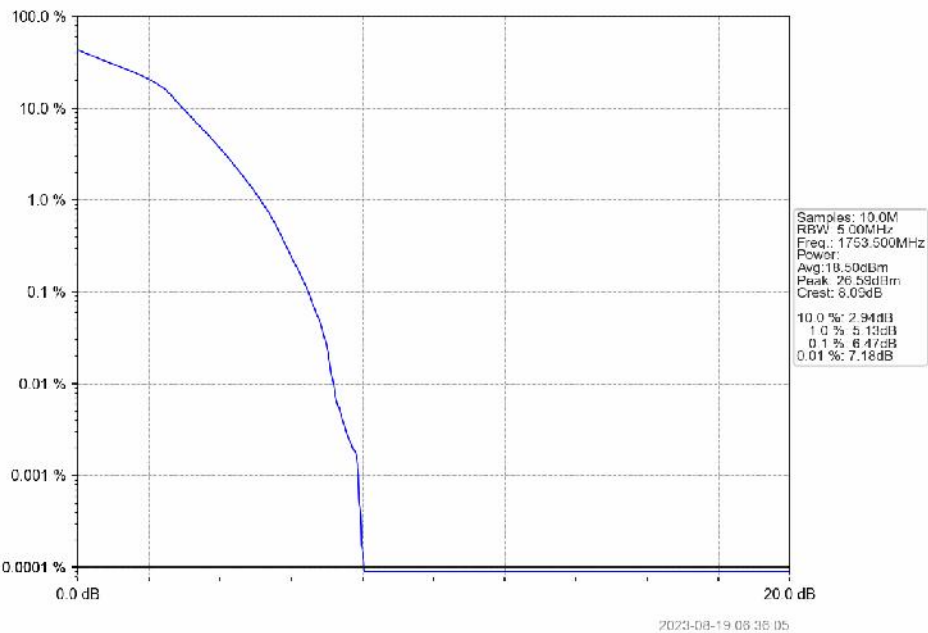
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

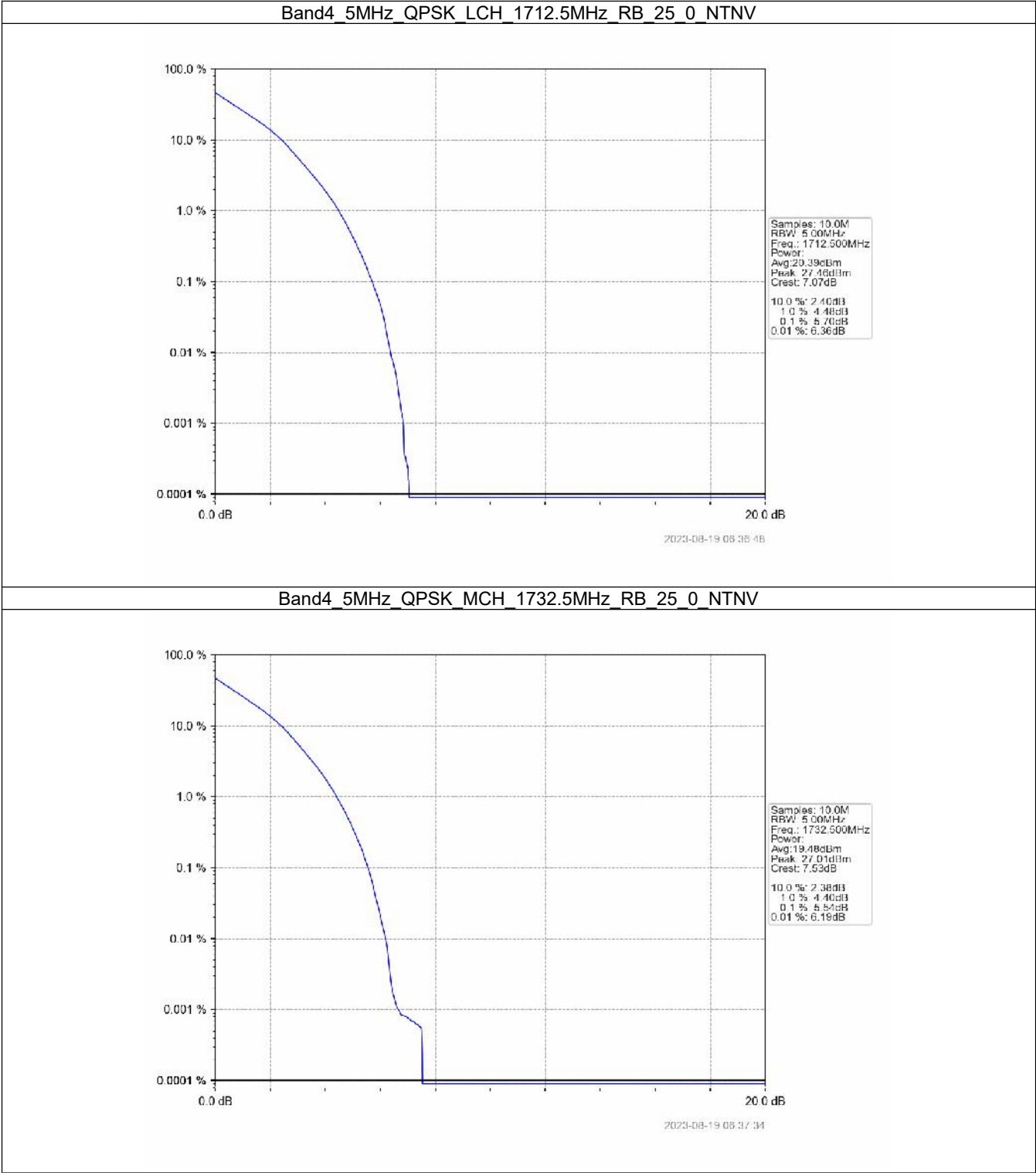


5.3 B4_5MHz

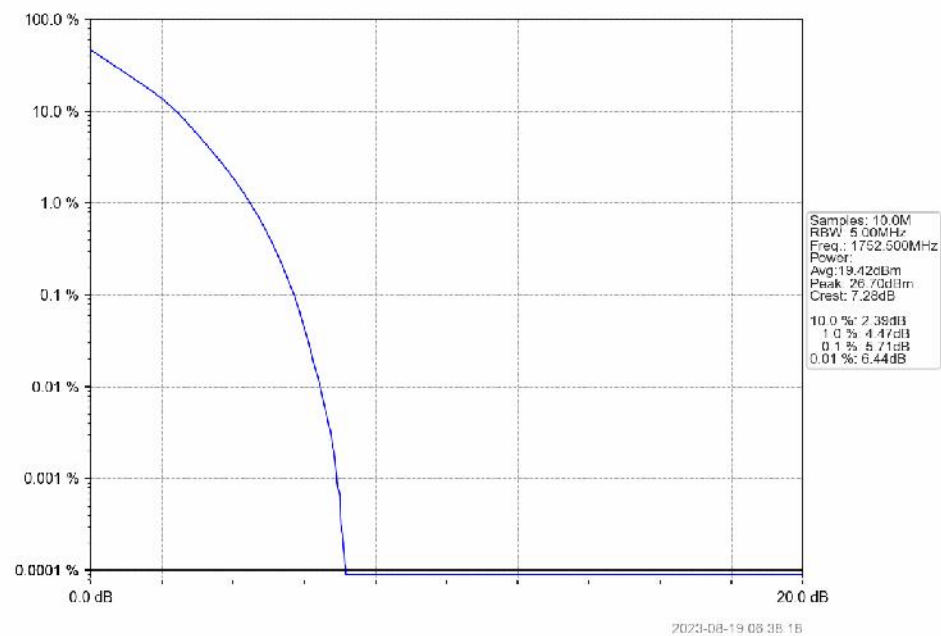
5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.70	<=13	Pass
	1732.5	25	0	5.54	<=13	Pass
	1752.5	25	0	5.71	<=13	Pass
16QAM	1712.5	25	0	6.45	<=13	Pass
	1732.5	25	0	6.25	<=13	Pass
	1752.5	25	0	6.34	<=13	Pass

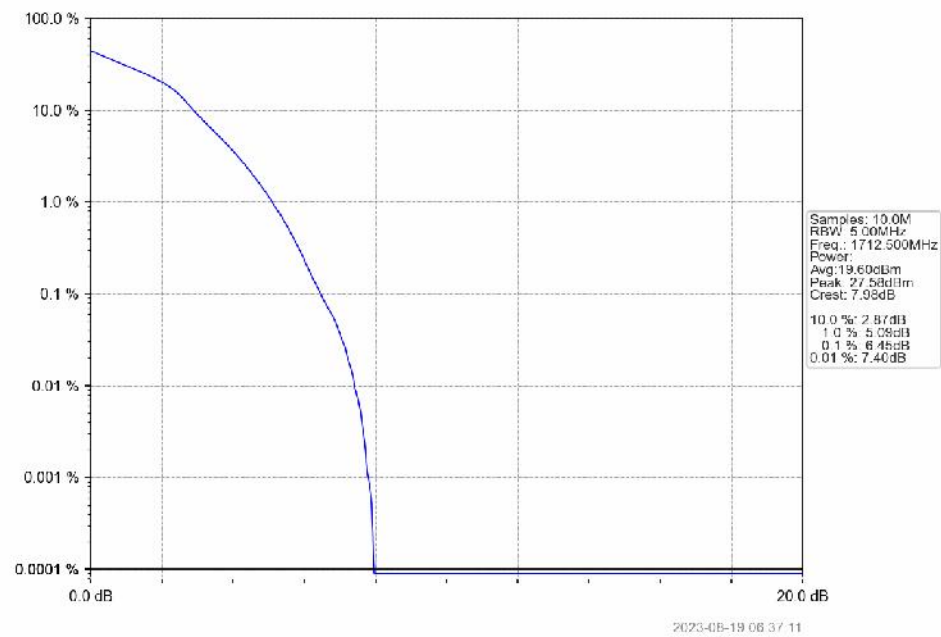
5.3.2 Test Graph



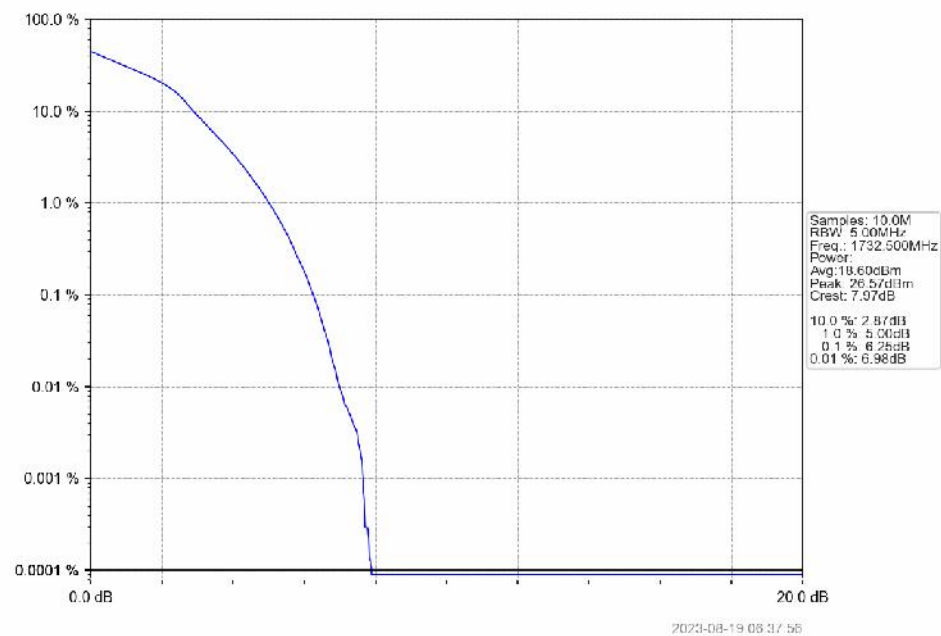
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



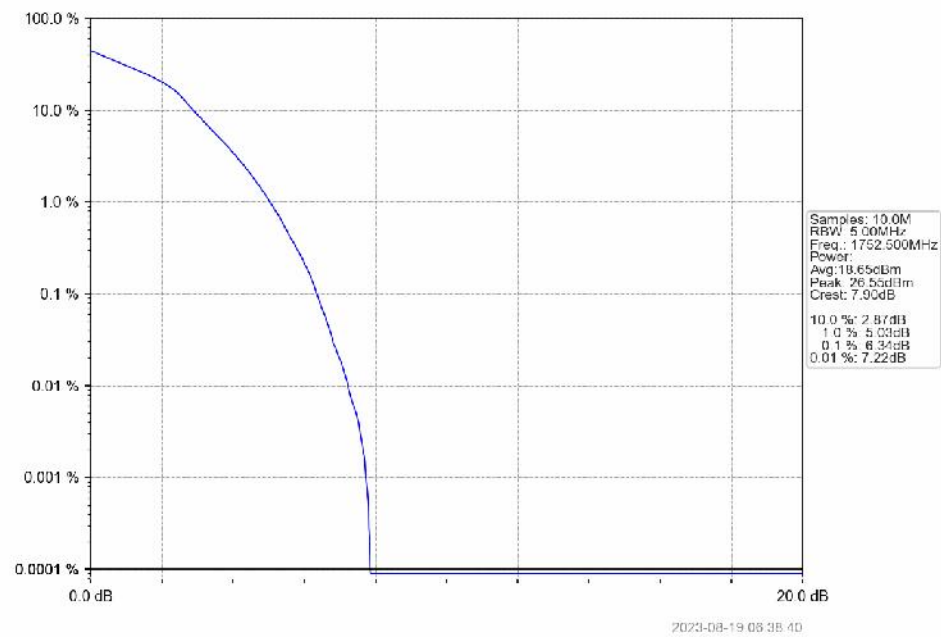
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

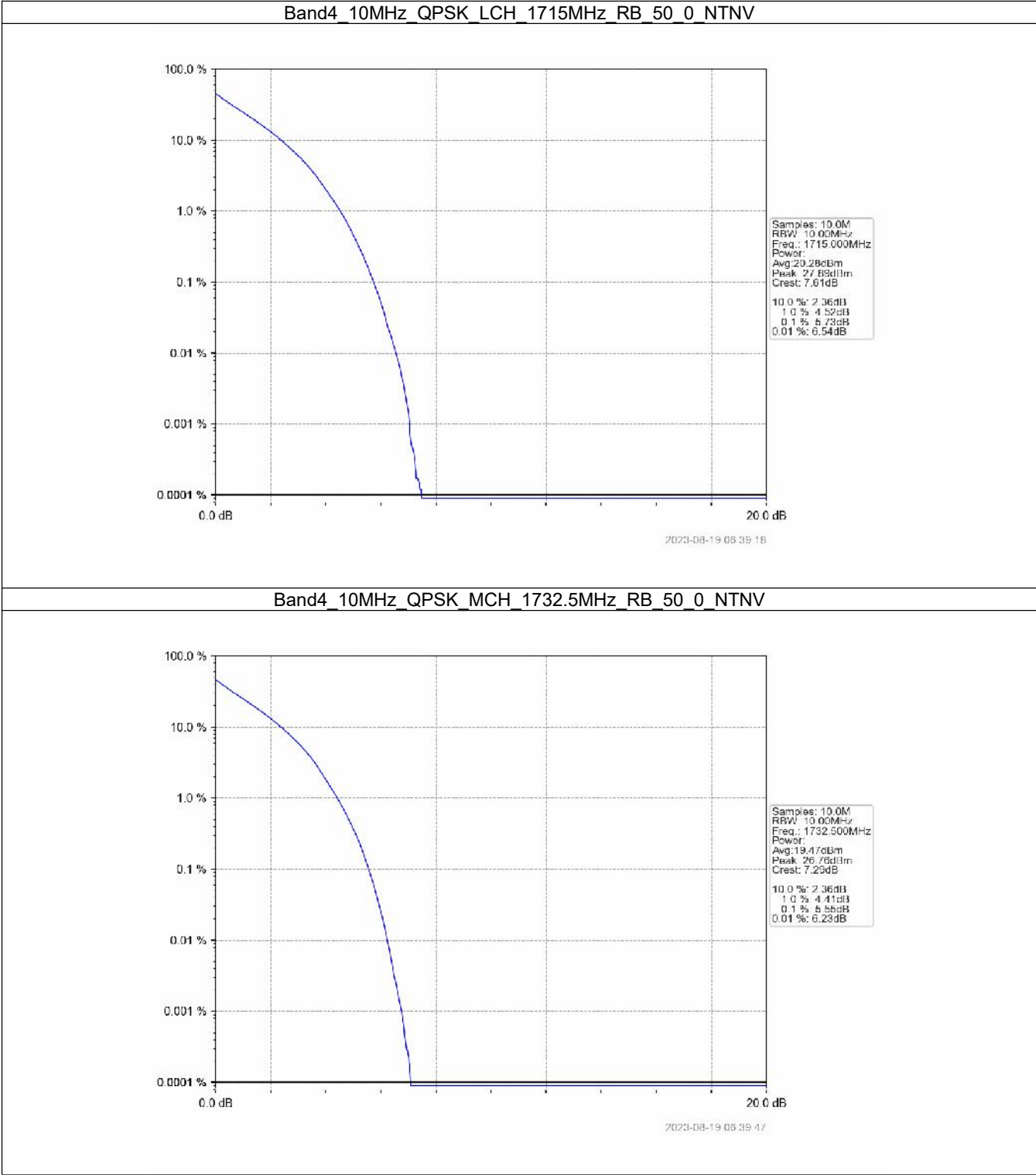


5.4 B4_10MHz

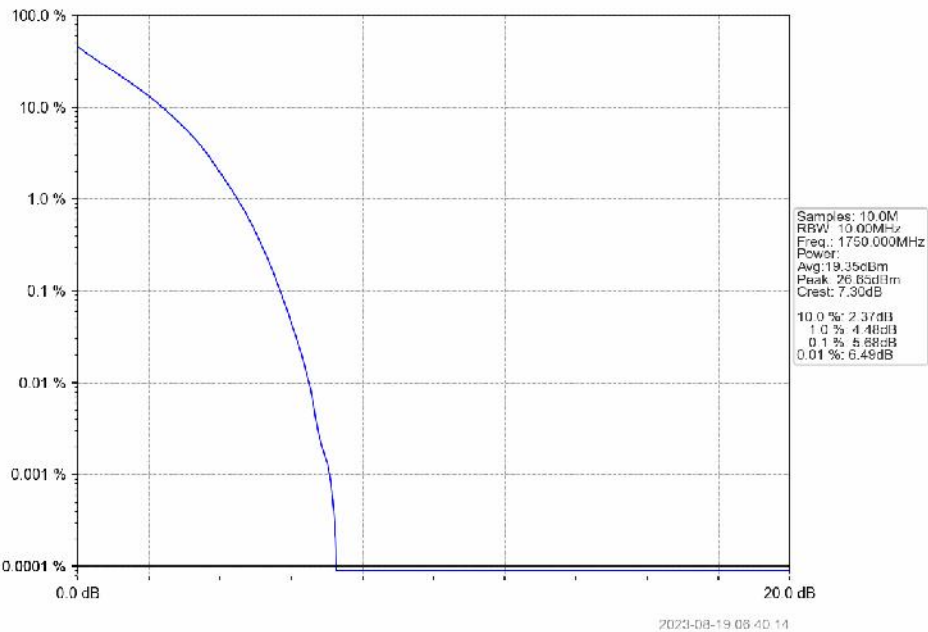
5.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.73	<=13	Pass
	1732.5	50	0	5.55	<=13	Pass
	1750	50	0	5.68	<=13	Pass
16QAM	1715	50	0	6.46	<=13	Pass
	1732.5	50	0	6.25	<=13	Pass
	1750	50	0	6.37	<=13	Pass

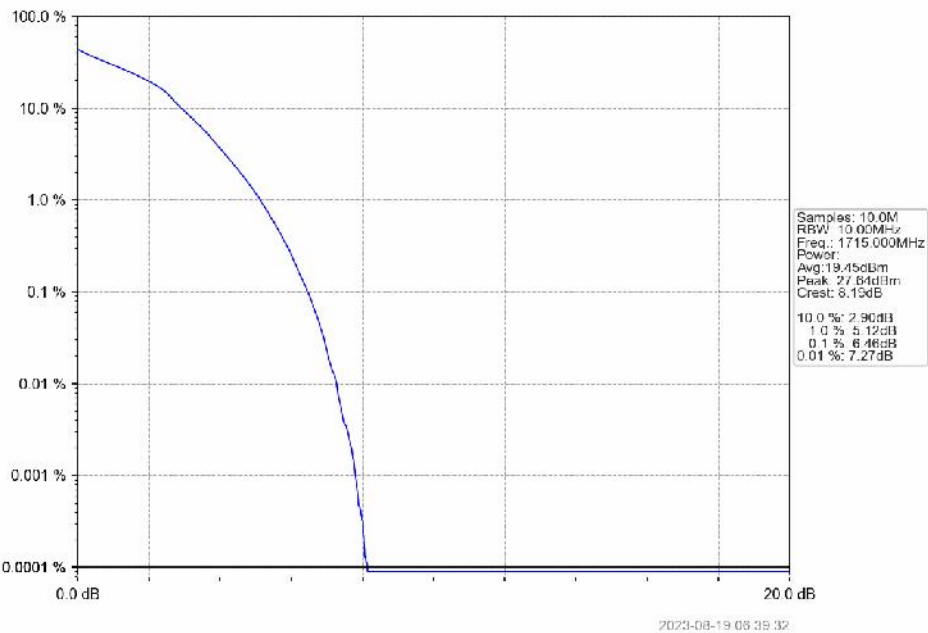
5.4.2 Test Graph



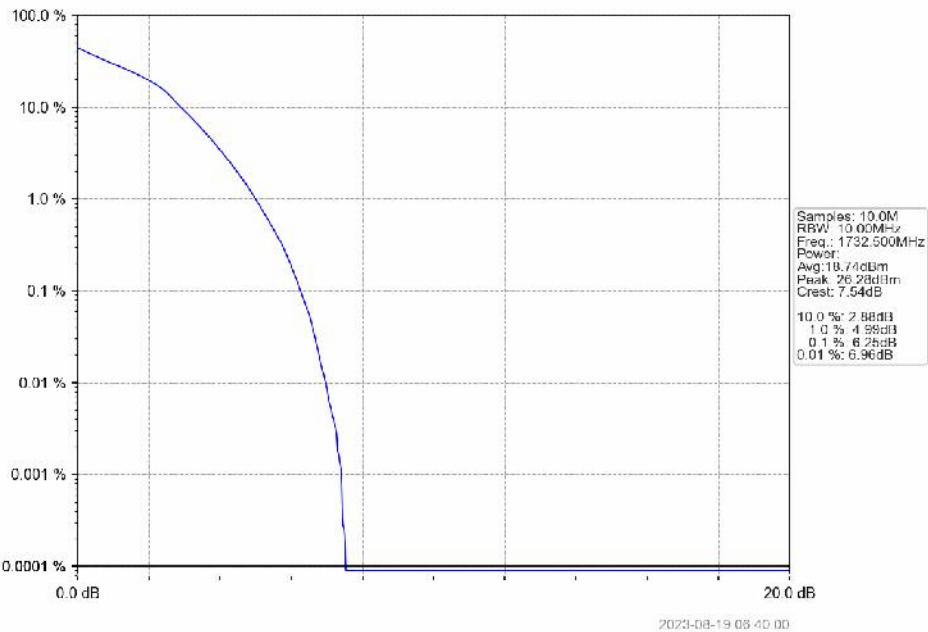
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



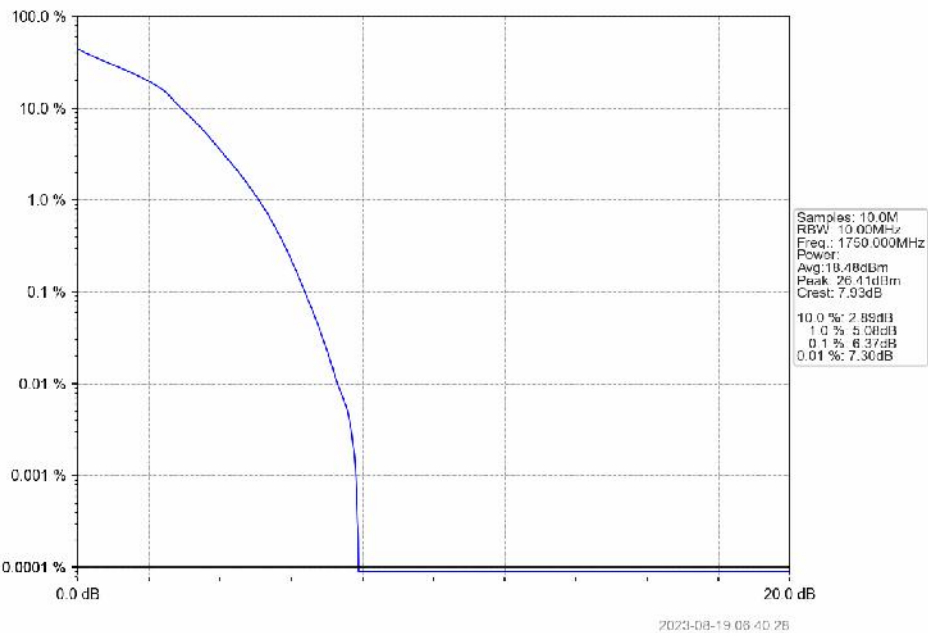
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

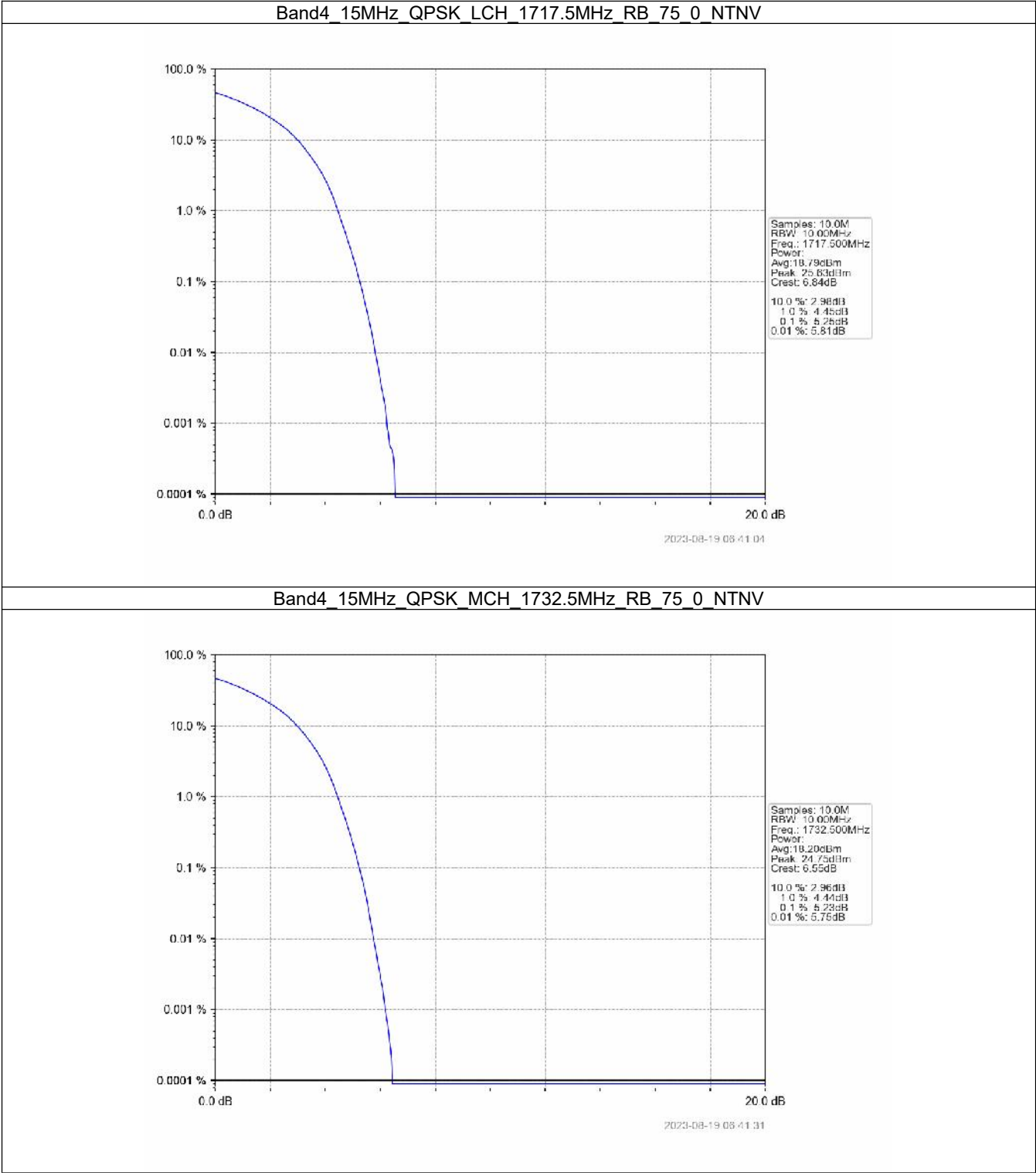


5.5 B4_15MHz

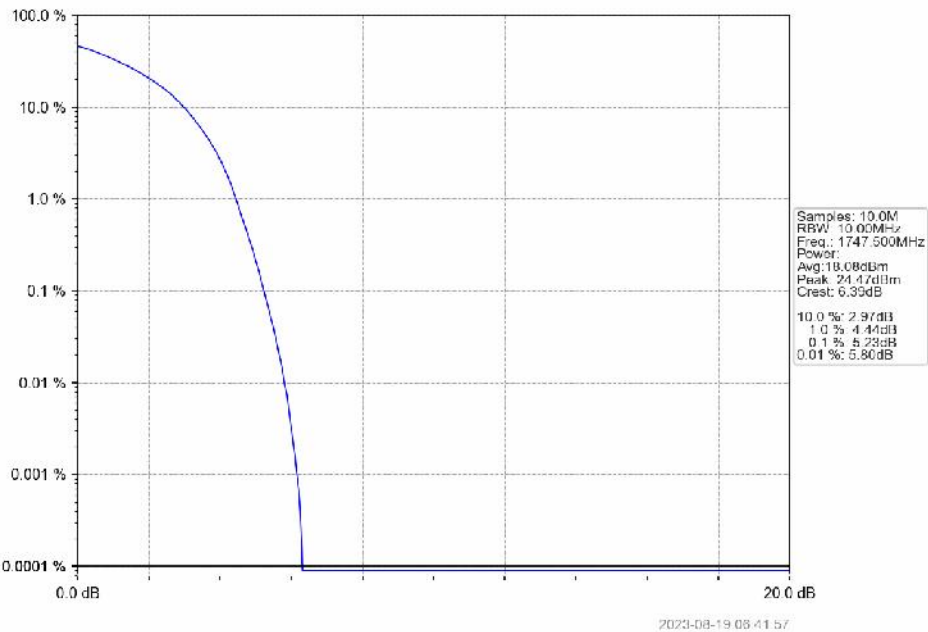
5.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.25	<=13	Pass
	1732.5	75	0	5.23	<=13	Pass
	1747.5	75	0	5.23	<=13	Pass
16QAM	1717.5	75	0	6.43	<=13	Pass
	1732.5	75	0	6.31	<=13	Pass
	1747.5	75	0	6.36	<=13	Pass

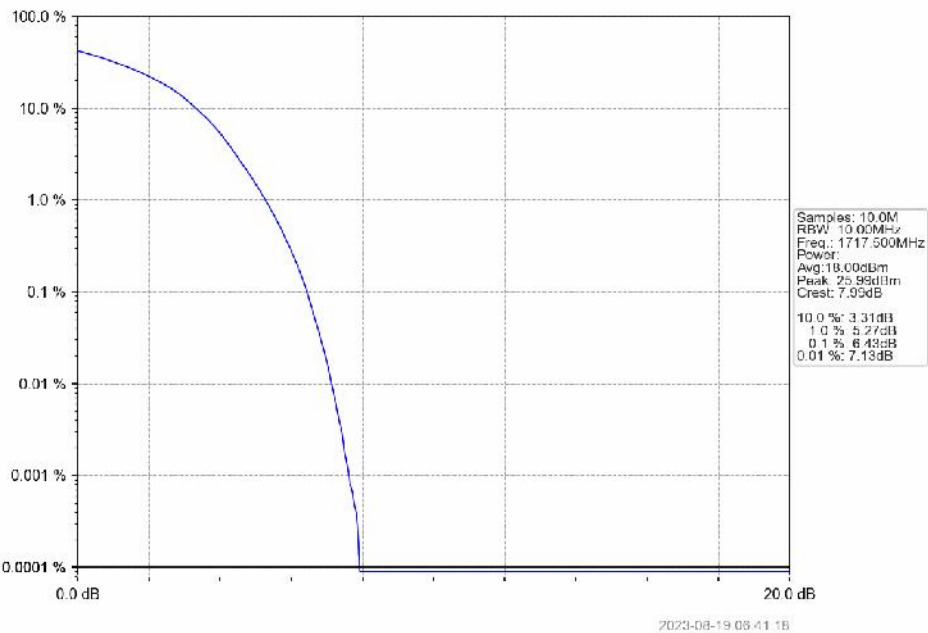
5.5.2 Test Graph



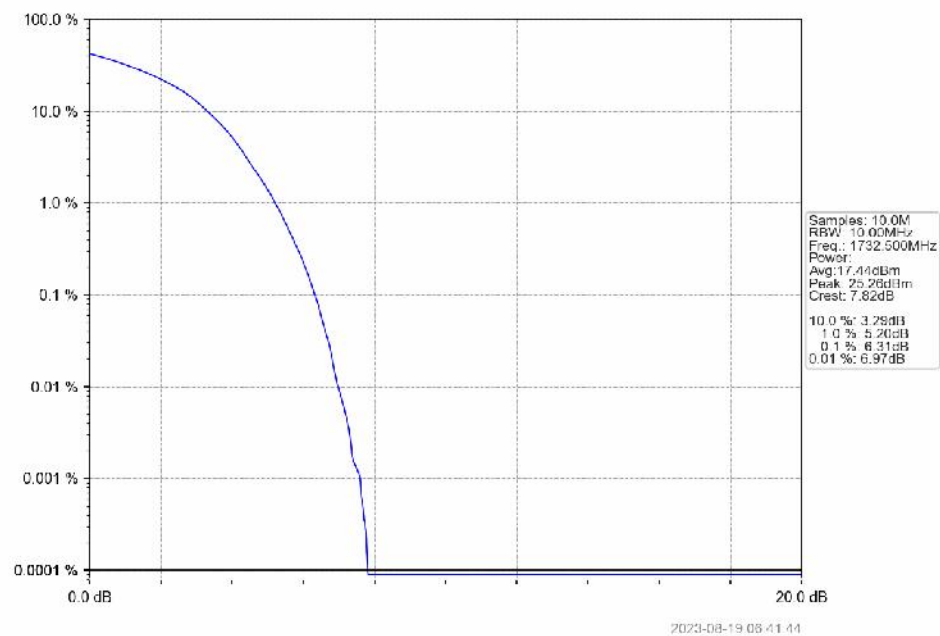
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



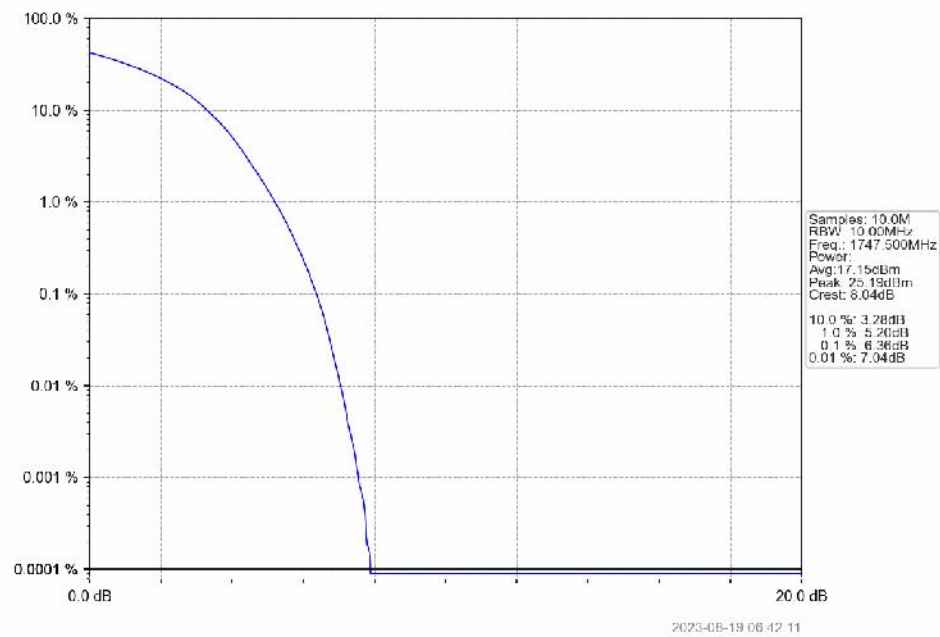
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

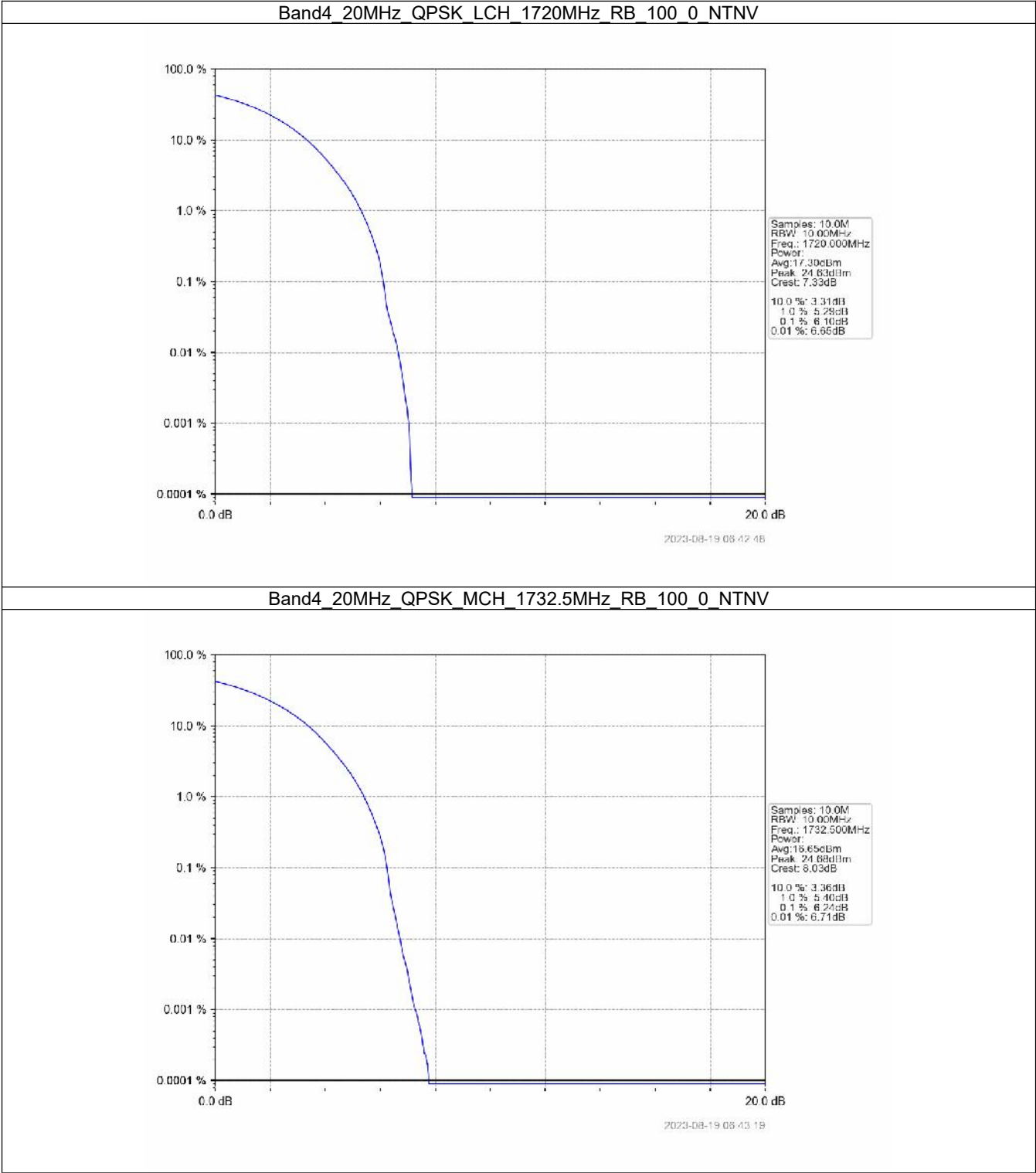


5.6 B4_20MHz

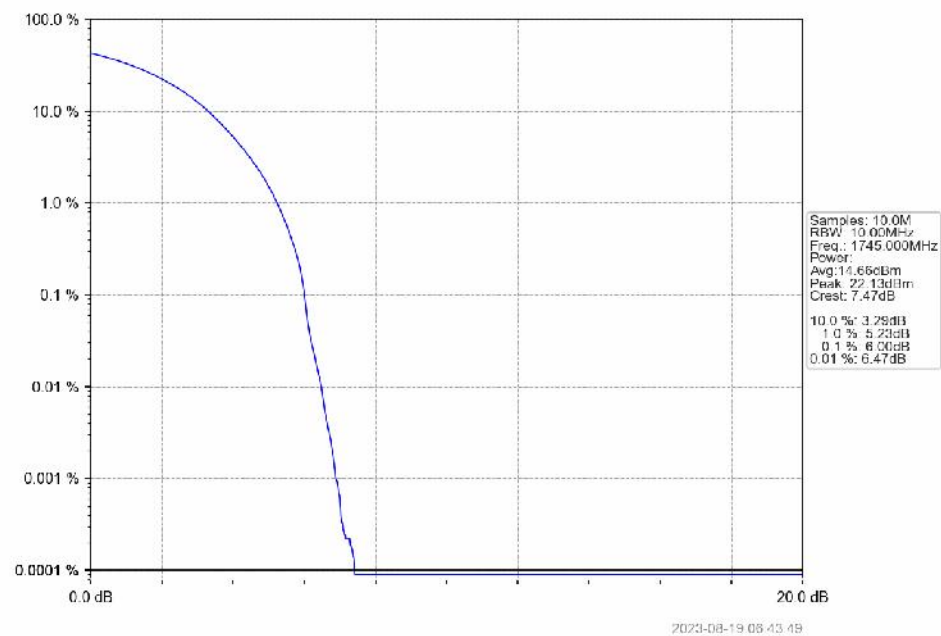
5.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	6.10	<=13	Pass
	1732.5	100	0	6.24	<=13	Pass
	1745	100	0	6.00	<=13	Pass
16QAM	1720	100	0	6.86	<=13	Pass
	1732.5	100	0	6.76	<=13	Pass
	1745	100	0	6.75	<=13	Pass

5.6.2 Test Graph



Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

