



Appendix F for SHCR2208001794CO-LTE Band 4

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	22.91	2.30	25.21	<=30	Pass
			2	22.92	2.30	25.22	<=30	Pass
			5	22.75	2.30	25.05	<=30	Pass
		3	0	22.88	2.30	25.18	<=30	Pass
			2	22.79	2.30	25.09	<=30	Pass
			3	22.79	2.30	25.09	<=30	Pass
		6	0	21.96	2.30	24.26	<=30	Pass
	1732.5	1	0	22.53	2.30	24.83	<=30	Pass
			2	22.74	2.30	25.04	<=30	Pass
			5	22.74	2.30	25.04	<=30	Pass
		3	0	22.82	2.30	25.12	<=30	Pass
			2	22.93	2.30	25.23	<=30	Pass
			3	22.86	2.30	25.16	<=30	Pass
		6	0	21.87	2.30	24.17	<=30	Pass
	1754.3	1	0	22.83	2.30	25.13	<=30	Pass
			2	22.76	2.30	25.06	<=30	Pass
			5	22.74	2.30	25.04	<=30	Pass
		3	0	22.75	2.30	25.05	<=30	Pass
			2	22.81	2.30	25.11	<=30	Pass
			3	22.67	2.30	24.97	<=30	Pass
		6	0	21.72	2.30	24.02	<=30	Pass
16QAM	1710.7	1	0	22.45	2.30	24.75	<=30	Pass
			2	22.54	2.30	24.84	<=30	Pass
			5	22.33	2.30	24.63	<=30	Pass
		3	0	21.97	2.30	24.27	<=30	Pass
			2	22.02	2.30	24.32	<=30	Pass
			3	21.99	2.30	24.29	<=30	Pass
		6	0	20.82	2.30	23.12	<=30	Pass
	1732.5	1	0	21.58	2.30	23.88	<=30	Pass
			2	21.43	2.30	23.73	<=30	Pass
			5	21.41	2.30	23.71	<=30	Pass
		3	0	21.79	2.30	24.09	<=30	Pass
			2	21.96	2.30	24.26	<=30	Pass
			3	22.02	2.30	24.32	<=30	Pass
		6	0	20.78	2.30	23.08	<=30	Pass
	1754.3	1	0	21.72	2.30	24.02	<=30	Pass
			2	22.01	2.30	24.31	<=30	Pass
			5	22.00	2.30	24.30	<=30	Pass
		3	0	21.88	2.30	24.18	<=30	Pass
			2	21.92	2.30	24.22	<=30	Pass
			3	21.99	2.30	24.29	<=30	Pass
		6	0	20.82	2.30	23.12	<=30	Pass
64QAM	1710.7	1	0	22.18	2.30	24.48	<=30	Pass



			2	22.29	2.30	24.59	<=30	Pass
			5	22.05	2.30	24.35	<=30	Pass
		3	0	21.88	2.30	24.18	<=30	Pass
			2	21.86	2.30	24.16	<=30	Pass
			3	21.82	2.30	24.12	<=30	Pass
		6	0	21.21	2.30	23.51	<=30	Pass
	1732.5	1	0	21.79	2.30	24.09	<=30	Pass
			2	22.04	2.30	24.34	<=30	Pass
			5	22.44	2.30	24.74	<=30	Pass
		3	0	22.00	2.30	24.30	<=30	Pass
			2	21.55	2.30	23.85	<=30	Pass
			3	21.55	2.30	23.85	<=30	Pass
	6	0	20.95	2.30	23.25	<=30	Pass	
	1754.3	1	0	22.08	2.30	24.38	<=30	Pass
			2	22.27	2.30	24.57	<=30	Pass
			5	21.76	2.30	24.06	<=30	Pass
		3	0	21.78	2.30	24.08	<=30	Pass
			2	21.87	2.30	24.17	<=30	Pass
			3	21.65	2.30	23.95	<=30	Pass
	6	0	21.04	2.30	23.34	<=30	Pass	
	Note1: EIRP=Conducted Power+Antenna Gain							

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	22.90	2.30	25.20	<=30	Pass
			7	23.01	2.30	25.31	<=30	Pass
			14	22.86	2.30	25.16	<=30	Pass
		8	0	22.10	2.30	24.40	<=30	Pass
			4	22.02	2.30	24.32	<=30	Pass
			7	21.93	2.30	24.23	<=30	Pass
		15	0	21.99	2.30	24.29	<=30	Pass
	1732.5	1	0	22.75	2.30	25.05	<=30	Pass
			7	22.99	2.30	25.29	<=30	Pass
			14	22.85	2.30	25.15	<=30	Pass
		8	0	21.88	2.30	24.18	<=30	Pass
			4	21.89	2.30	24.19	<=30	Pass
			7	21.87	2.30	24.17	<=30	Pass
		15	0	21.85	2.30	24.15	<=30	Pass
	1753.5	1	0	22.64	2.30	24.94	<=30	Pass
			7	22.77	2.30	25.07	<=30	Pass
			14	22.61	2.30	24.91	<=30	Pass
		8	0	21.76	2.30	24.06	<=30	Pass
			4	21.81	2.30	24.11	<=30	Pass
			7	21.89	2.30	24.19	<=30	Pass
		15	0	21.77	2.30	24.07	<=30	Pass
16QAM	1711.5	1	0	22.36	2.30	24.66	<=30	Pass
			7	22.21	2.30	24.51	<=30	Pass
			14	22.10	2.30	24.40	<=30	Pass
		8	0	21.24	2.30	23.54	<=30	Pass

	1732.5		4	21.17	2.30	23.47	<=30	Pass		
			7	21.20	2.30	23.50	<=30	Pass		
			15	0	20.95	2.30	23.25	<=30	Pass	
		1	0	21.41	2.30	23.71	<=30	Pass		
			7	22.41	2.30	24.71	<=30	Pass		
			14	22.42	2.30	24.72	<=30	Pass		
			8	0	21.04	2.30	23.34	<=30	Pass	
				4	20.63	2.30	22.93	<=30	Pass	
				7	20.52	2.30	22.82	<=30	Pass	
	15	0	20.69	2.30	22.99	<=30	Pass			
	1753.5	1	0	21.63	2.30	23.93	<=30	Pass		
			7	21.79	2.30	24.09	<=30	Pass		
			14	21.70	2.30	24.00	<=30	Pass		
		8	0	20.93	2.30	23.23	<=30	Pass		
			4	21.08	2.30	23.38	<=30	Pass		
			7	21.15	2.30	23.45	<=30	Pass		
		15	0	20.94	2.30	23.24	<=30	Pass		
		64QAM	1711.5	1	0	22.25	2.30	24.55	<=30	Pass
					7	22.55	2.30	24.85	<=30	Pass
	14				22.22	2.30	24.52	<=30	Pass	
	8			0	21.25	2.30	23.55	<=30	Pass	
4				21.18	2.30	23.48	<=30	Pass		
7				21.09	2.30	23.39	<=30	Pass		
15	0			21.15	2.30	23.45	<=30	Pass		
1732.5	1			0	22.17	2.30	24.47	<=30	Pass	
				7	22.22	2.30	24.52	<=30	Pass	
			14	22.33	2.30	24.63	<=30	Pass		
	8		0	20.89	2.30	23.19	<=30	Pass		
		4	20.90	2.30	23.20	<=30	Pass			
		7	21.12	2.30	23.42	<=30	Pass			
15	0	20.95	2.30	23.25	<=30	Pass				
1753.5	1	0	21.84	2.30	24.14	<=30	Pass			
		7	22.17	2.30	24.47	<=30	Pass			
		14	22.11	2.30	24.41	<=30	Pass			
	8	0	20.99	2.30	23.29	<=30	Pass			
		4	21.04	2.30	23.34	<=30	Pass			
		7	21.02	2.30	23.32	<=30	Pass			
15	0	20.80	2.30	23.10	<=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	22.81	2.30	25.11	<=30	Pass
			13	22.80	2.30	25.10	<=30	Pass
			24	22.74	2.30	25.04	<=30	Pass
		12	0	22.09	2.30	24.39	<=30	Pass
			6	21.97	2.30	24.27	<=30	Pass
			13	21.93	2.30	24.23	<=30	Pass
		25	0	22.06	2.30	24.36	<=30	Pass



	1732.5	1	0	22.59	2.30	24.89	<=30	Pass
			13	22.80	2.30	25.10	<=30	Pass
			24	22.55	2.30	24.85	<=30	Pass
		12	0	21.81	2.30	24.11	<=30	Pass
			6	21.89	2.30	24.19	<=30	Pass
			13	21.89	2.30	24.19	<=30	Pass
		25	0	21.85	2.30	24.15	<=30	Pass
	1752.5	1	0	22.61	2.30	24.91	<=30	Pass
			13	22.95	2.30	25.25	<=30	Pass
			24	22.93	2.30	25.23	<=30	Pass
		12	0	21.98	2.30	24.28	<=30	Pass
			6	22.03	2.30	24.33	<=30	Pass
			13	21.99	2.30	24.29	<=30	Pass
		25	0	21.99	2.30	24.29	<=30	Pass
16QAM	1712.5	1	0	21.43	2.30	23.73	<=30	Pass
			13	21.35	2.30	23.65	<=30	Pass
			24	21.38	2.30	23.68	<=30	Pass
		12	0	21.06	2.30	23.36	<=30	Pass
			6	21.00	2.30	23.30	<=30	Pass
			13	20.95	2.30	23.25	<=30	Pass
		25	0	21.02	2.30	23.32	<=30	Pass
	1732.5	1	0	21.96	2.30	24.26	<=30	Pass
			13	22.26	2.30	24.56	<=30	Pass
			24	22.10	2.30	24.40	<=30	Pass
		12	0	20.69	2.30	22.99	<=30	Pass
			6	20.75	2.30	23.05	<=30	Pass
			13	20.74	2.30	23.04	<=30	Pass
		25	0	20.78	2.30	23.08	<=30	Pass
	1752.5	1	0	21.64	2.30	23.94	<=30	Pass
			13	21.83	2.30	24.13	<=30	Pass
			24	21.81	2.30	24.11	<=30	Pass
		12	0	21.00	2.30	23.30	<=30	Pass
			6	21.14	2.30	23.44	<=30	Pass
			13	21.10	2.30	23.40	<=30	Pass
		25	0	21.04	2.30	23.34	<=30	Pass
64QAM	1712.5	1	0	22.06	2.30	24.36	<=30	Pass
			13	21.93	2.30	24.23	<=30	Pass
			24	22.18	2.30	24.48	<=30	Pass
		12	0	21.08	2.30	23.38	<=30	Pass
			6	21.01	2.30	23.31	<=30	Pass
			13	21.07	2.30	23.37	<=30	Pass
		25	0	21.19	2.30	23.49	<=30	Pass
	1732.5	1	0	22.15	2.30	24.45	<=30	Pass
			13	22.24	2.30	24.54	<=30	Pass
			24	22.08	2.30	24.38	<=30	Pass
		12	0	20.76	2.30	23.06	<=30	Pass
			6	20.85	2.30	23.15	<=30	Pass
			13	20.83	2.30	23.13	<=30	Pass
		25	0	20.83	2.30	23.13	<=30	Pass
	1752.5	1	0	21.93	2.30	24.23	<=30	Pass
			13	22.18	2.30	24.48	<=30	Pass
			24	22.18	2.30	24.48	<=30	Pass
		12	0	20.86	2.30	23.16	<=30	Pass
			6	20.92	2.30	23.22	<=30	Pass
			13	20.87	2.30	23.17	<=30	Pass
		25	0	21.08	2.30	23.38	<=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	22.91	2.30	25.21	<=30	Pass
			25	23.10	2.30	25.40	<=30	Pass
			49	22.71	2.30	25.01	<=30	Pass
		25	0	22.07	2.30	24.37	<=30	Pass
			13	21.97	2.30	24.27	<=30	Pass
			25	21.77	2.30	24.07	<=30	Pass
		50	0	21.96	2.30	24.26	<=30	Pass
	1732.5	1	0	22.96	2.30	25.26	<=30	Pass
			25	23.28	2.30	25.58	<=30	Pass
			49	22.49	2.30	24.79	<=30	Pass
		25	0	21.84	2.30	24.14	<=30	Pass
			13	21.91	2.30	24.21	<=30	Pass
			25	21.79	2.30	24.09	<=30	Pass
		50	0	21.81	2.30	24.11	<=30	Pass
	1750	1	0	22.72	2.30	25.02	<=30	Pass
			25	23.25	2.30	25.55	<=30	Pass
			49	22.73	2.30	25.03	<=30	Pass
		25	0	21.87	2.30	24.17	<=30	Pass
			13	21.97	2.30	24.27	<=30	Pass
			25	21.94	2.30	24.24	<=30	Pass
		50	0	21.88	2.30	24.18	<=30	Pass
16QAM	1715	1	0	22.40	2.30	24.70	<=30	Pass
			25	22.70	2.30	25.00	<=30	Pass
			49	22.05	2.30	24.35	<=30	Pass
		25	0	21.16	2.30	23.46	<=30	Pass
			13	20.99	2.30	23.29	<=30	Pass
			25	20.83	2.30	23.13	<=30	Pass
		50	0	20.95	2.30	23.25	<=30	Pass
	1732.5	1	0	22.29	2.30	24.59	<=30	Pass
			25	22.94	2.30	25.24	<=30	Pass
			49	22.23	2.30	24.53	<=30	Pass
		25	0	20.97	2.30	23.27	<=30	Pass
			13	21.03	2.30	23.33	<=30	Pass
			25	20.72	2.30	23.02	<=30	Pass
		50	0	20.81	2.30	23.11	<=30	Pass
	1750	1	0	21.84	2.30	24.14	<=30	Pass
			25	21.86	2.30	24.16	<=30	Pass
			49	21.48	2.30	23.78	<=30	Pass
		25	0	20.99	2.30	23.29	<=30	Pass
			13	21.16	2.30	23.46	<=30	Pass
			25	21.23	2.30	23.53	<=30	Pass
		50	0	20.82	2.30	23.12	<=30	Pass
64QAM	1715	1	0	22.39	2.30	24.69	<=30	Pass
			25	22.87	2.30	25.17	<=30	Pass
			49	22.35	2.30	24.65	<=30	Pass



	1732.5	25	0	21.31	2.30	23.61	<=30	Pass
			13	21.29	2.30	23.59	<=30	Pass
			25	21.09	2.30	23.39	<=30	Pass
		50	0	21.02	2.30	23.32	<=30	Pass
			0	22.16	2.30	24.46	<=30	Pass
			25	22.45	2.30	24.75	<=30	Pass
	1750	1	49	21.68	2.30	23.98	<=30	Pass
			0	21.10	2.30	23.40	<=30	Pass
			13	20.97	2.30	23.27	<=30	Pass
		25	25	20.89	2.30	23.19	<=30	Pass
			0	20.96	2.30	23.26	<=30	Pass
			0	21.81	2.30	24.11	<=30	Pass
		1	25	22.21	2.30	24.51	<=30	Pass
			49	22.12	2.30	24.42	<=30	Pass
			0	21.11	2.30	23.41	<=30	Pass
		25	13	21.22	2.30	23.52	<=30	Pass
			25	21.19	2.30	23.49	<=30	Pass
			0	20.92	2.30	23.22	<=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	23.00	2.30	25.30	<=30	Pass
			38	23.08	2.30	25.38	<=30	Pass
			74	22.81	2.30	25.11	<=30	Pass
		36	0	22.02	2.30	24.32	<=30	Pass
			18	21.99	2.30	24.29	<=30	Pass
			39	21.86	2.30	24.16	<=30	Pass
		75	0	21.91	2.30	24.21	<=30	Pass
			0	22.81	2.30	25.11	<=30	Pass
			38	22.99	2.30	25.29	<=30	Pass
	1732.5	1	74	22.48	2.30	24.78	<=30	Pass
			0	21.90	2.30	24.20	<=30	Pass
			18	21.98	2.30	24.28	<=30	Pass
		36	39	21.69	2.30	23.99	<=30	Pass
			0	21.77	2.30	24.07	<=30	Pass
			0	22.67	2.30	24.97	<=30	Pass
		1	38	22.73	2.30	25.03	<=30	Pass
			74	22.60	2.30	24.90	<=30	Pass
			0	21.89	2.30	24.19	<=30	Pass
	1747.5	36	18	21.88	2.30	24.18	<=30	Pass
			39	21.89	2.30	24.19	<=30	Pass
			0	21.85	2.30	24.15	<=30	Pass
16QAM	1717.5	1	0	22.49	2.30	24.79	<=30	Pass
			38	22.29	2.30	24.59	<=30	Pass
			74	22.04	2.30	24.34	<=30	Pass
		36	0	20.94	2.30	23.24	<=30	Pass
			18	20.92	2.30	23.22	<=30	Pass
			39	20.78	2.30	23.08	<=30	Pass



64QAM	1732.5	75	0	20.81	2.30	23.11	<=30	Pass
		1	0	22.35	2.30	24.65	<=30	Pass
			38	23.08	2.30	25.38	<=30	Pass
			74	22.10	2.30	24.40	<=30	Pass
		36	0	21.08	2.30	23.38	<=30	Pass
			18	20.93	2.30	23.23	<=30	Pass
			39	20.60	2.30	22.90	<=30	Pass
		75	0	20.72	2.30	23.02	<=30	Pass
	1747.5	1	0	22.00	2.30	24.30	<=30	Pass
			38	21.94	2.30	24.24	<=30	Pass
			74	21.35	2.30	23.65	<=30	Pass
		36	0	20.83	2.30	23.13	<=30	Pass
			18	20.80	2.30	23.10	<=30	Pass
			39	20.75	2.30	23.05	<=30	Pass
		75	0	20.81	2.30	23.11	<=30	Pass
	1717.5	1	0	21.82	2.30	24.12	<=30	Pass
			38	22.64	2.30	24.94	<=30	Pass
			74	22.19	2.30	24.49	<=30	Pass
		36	0	21.04	2.30	23.34	<=30	Pass
			18	21.08	2.30	23.38	<=30	Pass
			39	20.98	2.30	23.28	<=30	Pass
		75	0	21.04	2.30	23.34	<=30	Pass
	1732.5	1	0	21.68	2.30	23.98	<=30	Pass
			38	22.37	2.30	24.67	<=30	Pass
			74	21.89	2.30	24.19	<=30	Pass
		36	0	21.15	2.30	23.45	<=30	Pass
			18	21.06	2.30	23.36	<=30	Pass
			39	20.77	2.30	23.07	<=30	Pass
		75	0	20.89	2.30	23.19	<=30	Pass
	1747.5	1	0	21.84	2.30	24.14	<=30	Pass
			38	22.62	2.30	24.92	<=30	Pass
			74	22.39	2.30	24.69	<=30	Pass
		36	0	21.05	2.30	23.35	<=30	Pass
			18	21.01	2.30	23.31	<=30	Pass
			39	21.01	2.30	23.31	<=30	Pass
		75	0	21.06	2.30	23.36	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	22.85	2.30	25.15	<=30	Pass
			50	23.07	2.30	25.37	<=30	Pass
			99	22.68	2.30	24.98	<=30	Pass
		50	0	21.96	2.30	24.26	<=30	Pass
			25	22.05	2.30	24.35	<=30	Pass
			50	21.97	2.30	24.27	<=30	Pass
		100	0	22.03	2.30	24.33	<=30	Pass
	1732.5	1	0	23.14	2.30	25.44	<=30	Pass
			50	23.42	2.30	25.72	<=30	Pass



		50	99	22.70	2.30	25.00	<=30	Pass
			0	21.94	2.30	24.24	<=30	Pass
			25	22.02	2.30	24.32	<=30	Pass
			50	21.86	2.30	24.16	<=30	Pass
		100	0	21.90	2.30	24.20	<=30	Pass
			0	22.73	2.30	25.03	<=30	Pass
	1745	1	50	22.92	2.30	25.22	<=30	Pass
			99	22.72	2.30	25.02	<=30	Pass
			0	22.09	2.30	24.39	<=30	Pass
		50	25	22.04	2.30	24.34	<=30	Pass
			50	21.88	2.30	24.18	<=30	Pass
			0	22.00	2.30	24.30	<=30	Pass
		100	0	22.43	2.30	24.73	<=30	Pass
			50	22.57	2.30	24.87	<=30	Pass
16QAM	1720	1	99	22.32	2.30	24.62	<=30	Pass
			0	20.99	2.30	23.29	<=30	Pass
			25	21.02	2.30	23.32	<=30	Pass
		50	50	21.01	2.30	23.31	<=30	Pass
			0	21.09	2.30	23.39	<=30	Pass
			0	21.98	2.30	24.28	<=30	Pass
	1732.5	1	50	22.16	2.30	24.46	<=30	Pass
			99	21.26	2.30	23.56	<=30	Pass
			0	20.90	2.30	23.20	<=30	Pass
		50	25	21.03	2.30	23.33	<=30	Pass
			50	20.88	2.30	23.18	<=30	Pass
			0	20.97	2.30	23.27	<=30	Pass
	1745	1	0	22.68	2.30	24.98	<=30	Pass
			50	22.83	2.30	25.13	<=30	Pass
			99	22.63	2.30	24.93	<=30	Pass
		50	0	21.04	2.30	23.34	<=30	Pass
			25	20.95	2.30	23.25	<=30	Pass
			50	20.90	2.30	23.20	<=30	Pass
64QAM	1720	1	0	21.01	2.30	23.31	<=30	Pass
			0	22.01	2.30	24.31	<=30	Pass
			50	22.53	2.30	24.83	<=30	Pass
		50	99	21.89	2.30	24.19	<=30	Pass
			0	21.10	2.30	23.40	<=30	Pass
			25	21.09	2.30	23.39	<=30	Pass
	1732.5	1	50	21.09	2.30	23.39	<=30	Pass
			0	20.77	2.30	23.07	<=30	Pass
			0	21.76	2.30	24.06	<=30	Pass
		50	50	22.08	2.30	24.38	<=30	Pass
			99	21.62	2.30	23.92	<=30	Pass
			0	20.93	2.30	23.23	<=30	Pass
	1745	1	25	20.89	2.30	23.19	<=30	Pass
			50	20.71	2.30	23.01	<=30	Pass
			0	20.64	2.30	22.94	<=30	Pass
		50	0	21.46	2.30	23.76	<=30	Pass
			50	22.11	2.30	24.41	<=30	Pass
			99	21.07	2.30	23.37	<=30	Pass
	1745	1	0	21.18	2.30	23.48	<=30	Pass
			25	21.08	2.30	23.38	<=30	Pass
			50	20.92	2.30	23.22	<=30	Pass
		50	0	20.71	2.30	23.01	<=30	Pass
			0	20.71	2.30	23.01	<=30	Pass
			0	20.71	2.30	23.01	<=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	6.12	1.758	0.0010	-2.5 to 2.5	Pass
					7.20	2.219	0.0013	-2.5 to 2.5	Pass
					8.28	2.333	0.0014	-2.5 to 2.5	Pass
				-30	7.20	1.605	0.0009	-2.5 to 2.5	Pass
				-20	7.20	2.865	0.0017	-2.5 to 2.5	Pass
				-10	7.20	2.524	0.0015	-2.5 to 2.5	Pass
				0	7.20	2.314	0.0014	-2.5 to 2.5	Pass
				10	7.20	2.166	0.0013	-2.5 to 2.5	Pass
				30	7.20	2.518	0.0015	-2.5 to 2.5	Pass
				40	7.20	1.206	0.0007	-2.5 to 2.5	Pass
				50	7.20	3.021	0.0018	-2.5 to 2.5	Pass
	1732.5	6	0	20	6.12	0.067	0.0000	-2.5 to 2.5	Pass
					7.20	1.221	0.0007	-2.5 to 2.5	Pass
					8.28	-1.255	-0.0007	-2.5 to 2.5	Pass
				-30	7.20	0.752	0.0004	-2.5 to 2.5	Pass
				-20	7.20	-0.014	0.0000	-2.5 to 2.5	Pass
				-10	7.20	-0.637	-0.0004	-2.5 to 2.5	Pass
				0	7.20	1.703	0.0010	-2.5 to 2.5	Pass
				10	7.20	0.233	0.0001	-2.5 to 2.5	Pass
				30	7.20	-1.014	-0.0006	-2.5 to 2.5	Pass
				40	7.20	0.244	0.0001	-2.5 to 2.5	Pass
				50	7.20	-0.754	-0.0004	-2.5 to 2.5	Pass
	1754.3	6	0	20	6.12	-3.219	-0.0018	-2.5 to 2.5	Pass
					7.20	-3.547	-0.0020	-2.5 to 2.5	Pass
					8.28	-4.012	-0.0023	-2.5 to 2.5	Pass
				-30	7.20	-2.523	-0.0014	-2.5 to 2.5	Pass
				-20	7.20	-0.568	-0.0003	-2.5 to 2.5	Pass
				-10	7.20	-1.357	-0.0008	-2.5 to 2.5	Pass
				0	7.20	-1.860	-0.0011	-2.5 to 2.5	Pass
				10	7.20	-2.237	-0.0013	-2.5 to 2.5	Pass
				30	7.20	-1.471	-0.0008	-2.5 to 2.5	Pass
				40	7.20	-2.535	-0.0014	-2.5 to 2.5	Pass
				50	7.20	-1.692	-0.0010	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	6.12	0.799	0.0005	-2.5 to 2.5	Pass
					7.20	0.262	0.0002	-2.5 to 2.5	Pass
					8.28	1.771	0.0010	-2.5 to 2.5	Pass
				-30	7.20	0.844	0.0005	-2.5 to 2.5	Pass
				-20	7.20	0.116	0.0001	-2.5 to 2.5	Pass
				-10	7.20	2.777	0.0016	-2.5 to 2.5	Pass
				0	7.20	0.104	0.0001	-2.5 to 2.5	Pass
				10	7.20	1.979	0.0012	-2.5 to 2.5	Pass
				30	7.20	1.358	0.0008	-2.5 to 2.5	Pass
				40	7.20	1.347	0.0008	-2.5 to 2.5	Pass
				50	7.20	-1.052	-0.0006	-2.5 to 2.5	Pass
	1732.5	6	0	20	6.12	-0.452	-0.0003	-2.5 to 2.5	Pass
					7.20	1.916	0.0011	-2.5 to 2.5	Pass



					8.28	0.077	0.0000	-2.5 to 2.5	Pass
				-30	7.20	0.327	0.0002	-2.5 to 2.5	Pass
				-20	7.20	0.730	0.0004	-2.5 to 2.5	Pass
				-10	7.20	1.426	0.0008	-2.5 to 2.5	Pass
				0	7.20	-0.390	-0.0002	-2.5 to 2.5	Pass
				10	7.20	0.176	0.0001	-2.5 to 2.5	Pass
				30	7.20	-0.825	-0.0005	-2.5 to 2.5	Pass
				40	7.20	0.503	0.0003	-2.5 to 2.5	Pass
				50	7.20	-0.570	-0.0003	-2.5 to 2.5	Pass
	1754.3	6	0	20	6.12	-4.573	-0.0026	-2.5 to 2.5	Pass
					7.20	-2.360	-0.0013	-2.5 to 2.5	Pass
					8.28	-2.730	-0.0016	-2.5 to 2.5	Pass
				-30	7.20	-3.675	-0.0021	-2.5 to 2.5	Pass
				-20	7.20	-1.322	-0.0008	-2.5 to 2.5	Pass
				-10	7.20	-3.345	-0.0019	-2.5 to 2.5	Pass
				0	7.20	-2.046	-0.0012	-2.5 to 2.5	Pass
				10	7.20	-2.218	-0.0013	-2.5 to 2.5	Pass
				30	7.20	-2.398	-0.0014	-2.5 to 2.5	Pass
				40	7.20	-3.855	-0.0022	-2.5 to 2.5	Pass
				50	7.20	-2.958	-0.0017	-2.5 to 2.5	Pass
64QAM	1710.7	6	0	20	6.12	1.480	0.0009	-2.5 to 2.5	Pass
					7.20	1.262	0.0007	-2.5 to 2.5	Pass
					8.28	1.435	0.0008	-2.5 to 2.5	Pass
				-30	7.20	0.802	0.0005	-2.5 to 2.5	Pass
				-20	7.20	1.366	0.0008	-2.5 to 2.5	Pass
				-10	7.20	1.179	0.0007	-2.5 to 2.5	Pass
				0	7.20	2.438	0.0014	-2.5 to 2.5	Pass
				10	7.20	1.610	0.0009	-2.5 to 2.5	Pass
				30	7.20	1.421	0.0008	-2.5 to 2.5	Pass
				40	7.20	0.947	0.0006	-2.5 to 2.5	Pass
				50	7.20	1.035	0.0006	-2.5 to 2.5	Pass
	1732.5	6	0	20	6.12	-0.439	-0.0003	-2.5 to 2.5	Pass
					7.20	0.791	0.0005	-2.5 to 2.5	Pass
					8.28	2.020	0.0012	-2.5 to 2.5	Pass
				-30	7.20	-1.118	-0.0006	-2.5 to 2.5	Pass
				-20	7.20	0.266	0.0002	-2.5 to 2.5	Pass
				-10	7.20	-0.269	-0.0002	-2.5 to 2.5	Pass
				0	7.20	0.303	0.0002	-2.5 to 2.5	Pass
				10	7.20	0.061	0.0000	-2.5 to 2.5	Pass
				30	7.20	-1.289	-0.0007	-2.5 to 2.5	Pass
				40	7.20	-0.496	-0.0003	-2.5 to 2.5	Pass
				50	7.20	-0.740	-0.0004	-2.5 to 2.5	Pass
	1754.3	6	0	20	6.12	-2.157	-0.0012	-2.5 to 2.5	Pass
					7.20	-2.387	-0.0014	-2.5 to 2.5	Pass
					8.28	-1.819	-0.0010	-2.5 to 2.5	Pass
				-30	7.20	-3.555	-0.0020	-2.5 to 2.5	Pass
				-20	7.20	-2.496	-0.0014	-2.5 to 2.5	Pass
				-10	7.20	-2.099	-0.0012	-2.5 to 2.5	Pass
				0	7.20	-3.081	-0.0018	-2.5 to 2.5	Pass
				10	7.20	-3.414	-0.0019	-2.5 to 2.5	Pass
				30	7.20	-3.177	-0.0018	-2.5 to 2.5	Pass
				40	7.20	-2.752	-0.0016	-2.5 to 2.5	Pass
				50	7.20	-2.212	-0.0013	-2.5 to 2.5	Pass



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	6.12	-0.010	0.0000	-2.5 to 2.5	Pass
					7.20	0.687	0.0004	-2.5 to 2.5	Pass
					8.28	0.623	0.0004	-2.5 to 2.5	Pass
				-30	7.20	-0.883	-0.0005	-2.5 to 2.5	Pass
				-20	7.20	0.684	0.0004	-2.5 to 2.5	Pass
				-10	7.20	0.885	0.0005	-2.5 to 2.5	Pass
				0	7.20	1.534	0.0009	-2.5 to 2.5	Pass
				10	7.20	-0.028	0.0000	-2.5 to 2.5	Pass
				30	7.20	1.120	0.0007	-2.5 to 2.5	Pass
				40	7.20	1.824	0.0011	-2.5 to 2.5	Pass
				50	7.20	-0.016	0.0000	-2.5 to 2.5	Pass
	1732.5	15	0	20	6.12	0.078	0.0000	-2.5 to 2.5	Pass
					7.20	1.026	0.0006	-2.5 to 2.5	Pass
					8.28	1.861	0.0011	-2.5 to 2.5	Pass
				-30	7.20	-0.230	-0.0001	-2.5 to 2.5	Pass
				-20	7.20	-0.826	-0.0005	-2.5 to 2.5	Pass
				-10	7.20	0.123	0.0001	-2.5 to 2.5	Pass
				0	7.20	0.973	0.0006	-2.5 to 2.5	Pass
				10	7.20	-0.113	-0.0001	-2.5 to 2.5	Pass
				30	7.20	0.590	0.0003	-2.5 to 2.5	Pass
				40	7.20	-0.218	-0.0001	-2.5 to 2.5	Pass
				50	7.20	0.347	0.0002	-2.5 to 2.5	Pass
	1753.5	15	0	20	6.12	0.496	0.0003	-2.5 to 2.5	Pass
					7.20	0.083	0.0000	-2.5 to 2.5	Pass
					8.28	0.819	0.0005	-2.5 to 2.5	Pass
				-30	7.20	-0.358	-0.0002	-2.5 to 2.5	Pass
				-20	7.20	-0.184	-0.0001	-2.5 to 2.5	Pass
				-10	7.20	-0.241	-0.0001	-2.5 to 2.5	Pass
				0	7.20	0.295	0.0002	-2.5 to 2.5	Pass
				10	7.20	0.459	0.0003	-2.5 to 2.5	Pass
				30	7.20	0.150	0.0001	-2.5 to 2.5	Pass
				40	7.20	-0.478	-0.0003	-2.5 to 2.5	Pass
				50	7.20	1.157	0.0007	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	6.12	-0.397	-0.0002	-2.5 to 2.5	Pass
					7.20	0.506	0.0003	-2.5 to 2.5	Pass
					8.28	-0.061	0.0000	-2.5 to 2.5	Pass
				-30	7.20	0.971	0.0006	-2.5 to 2.5	Pass
				-20	7.20	-0.288	-0.0002	-2.5 to 2.5	Pass
				-10	7.20	-0.456	-0.0003	-2.5 to 2.5	Pass
				0	7.20	0.124	0.0001	-2.5 to 2.5	Pass
				10	7.20	1.000	0.0006	-2.5 to 2.5	Pass
				30	7.20	0.408	0.0002	-2.5 to 2.5	Pass
				40	7.20	-0.517	-0.0003	-2.5 to 2.5	Pass
				50	7.20	1.080	0.0006	-2.5 to 2.5	Pass
	1732.5	15	0	20	6.12	0.152	0.0001	-2.5 to 2.5	Pass
					7.20	-1.186	-0.0007	-2.5 to 2.5	Pass
					8.28	-0.281	-0.0002	-2.5 to 2.5	Pass
				-30	7.20	0.677	0.0004	-2.5 to 2.5	Pass
				-20	7.20	0.093	0.0001	-2.5 to 2.5	Pass
				-10	7.20	-0.103	-0.0001	-2.5 to 2.5	Pass
				0	7.20	-0.038	0.0000	-2.5 to 2.5	Pass



	1753.5	15	0	10	7.20	1.062	0.0006	-2.5 to 2.5	Pass
				30	7.20	-0.738	-0.0004	-2.5 to 2.5	Pass
				40	7.20	0.919	0.0005	-2.5 to 2.5	Pass
				50	7.20	0.017	0.0000	-2.5 to 2.5	Pass
				20	6.12	-1.080	-0.0006	-2.5 to 2.5	Pass
					7.20	-0.781	-0.0004	-2.5 to 2.5	Pass
					8.28	-0.208	-0.0001	-2.5 to 2.5	Pass
				-30	7.20	-1.152	-0.0007	-2.5 to 2.5	Pass
				-20	7.20	0.081	0.0000	-2.5 to 2.5	Pass
				-10	7.20	-0.211	-0.0001	-2.5 to 2.5	Pass
				0	7.20	-0.990	-0.0006	-2.5 to 2.5	Pass
				10	7.20	0.674	0.0004	-2.5 to 2.5	Pass
				30	7.20	-0.291	-0.0002	-2.5 to 2.5	Pass
				40	7.20	-0.322	-0.0002	-2.5 to 2.5	Pass
				50	7.20	-1.770	-0.0010	-2.5 to 2.5	Pass
64QAM	1711.5	15	0	20	6.12	0.917	0.0005	-2.5 to 2.5	Pass
					7.20	0.652	0.0004	-2.5 to 2.5	Pass
					8.28	-0.199	-0.0001	-2.5 to 2.5	Pass
				-30	7.20	-0.816	-0.0005	-2.5 to 2.5	Pass
				-20	7.20	0.323	0.0002	-2.5 to 2.5	Pass
				-10	7.20	1.021	0.0006	-2.5 to 2.5	Pass
				0	7.20	0.285	0.0002	-2.5 to 2.5	Pass
				10	7.20	0.471	0.0003	-2.5 to 2.5	Pass
				30	7.20	-0.226	-0.0001	-2.5 to 2.5	Pass
				40	7.20	-0.161	-0.0001	-2.5 to 2.5	Pass
				50	7.20	-1.013	-0.0006	-2.5 to 2.5	Pass
	1732.5	15	0	20	6.12	-0.617	-0.0004	-2.5 to 2.5	Pass
					7.20	1.758	0.0010	-2.5 to 2.5	Pass
					8.28	1.089	0.0006	-2.5 to 2.5	Pass
				-30	7.20	-0.569	-0.0003	-2.5 to 2.5	Pass
				-20	7.20	-0.161	-0.0001	-2.5 to 2.5	Pass
				-10	7.20	0.313	0.0002	-2.5 to 2.5	Pass
				0	7.20	0.075	0.0000	-2.5 to 2.5	Pass
				10	7.20	1.613	0.0009	-2.5 to 2.5	Pass
				30	7.20	0.966	0.0006	-2.5 to 2.5	Pass
				40	7.20	1.517	0.0009	-2.5 to 2.5	Pass
				50	7.20	1.713	0.0010	-2.5 to 2.5	Pass
	1753.5	15	0	20	6.12	0.786	0.0004	-2.5 to 2.5	Pass
					7.20	-0.490	-0.0003	-2.5 to 2.5	Pass
					8.28	-0.297	-0.0002	-2.5 to 2.5	Pass
				-30	7.20	1.363	0.0008	-2.5 to 2.5	Pass
				-20	7.20	0.228	0.0001	-2.5 to 2.5	Pass
				-10	7.20	-1.074	-0.0006	-2.5 to 2.5	Pass
				0	7.20	-0.599	-0.0003	-2.5 to 2.5	Pass
				10	7.20	0.646	0.0004	-2.5 to 2.5	Pass
				30	7.20	-0.234	-0.0001	-2.5 to 2.5	Pass
				40	7.20	2.112	0.0012	-2.5 to 2.5	Pass
				50	7.20	1.555	0.0009	-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	6.12	1.329	0.0008	-2.5 to 2.5	Pass
					7.20	1.586	0.0009	-2.5 to 2.5	Pass
					8.28	2.031	0.0012	-2.5 to 2.5	Pass
				-30	7.20	2.011	0.0012	-2.5 to 2.5	Pass
				-20	7.20	1.957	0.0011	-2.5 to 2.5	Pass
				-10	7.20	0.431	0.0003	-2.5 to 2.5	Pass
				0	7.20	2.391	0.0014	-2.5 to 2.5	Pass
				10	7.20	2.622	0.0015	-2.5 to 2.5	Pass
				30	7.20	2.160	0.0013	-2.5 to 2.5	Pass
				40	7.20	1.595	0.0009	-2.5 to 2.5	Pass
				50	7.20	2.062	0.0012	-2.5 to 2.5	Pass
	1732.5	25	0	20	6.12	0.333	0.0002	-2.5 to 2.5	Pass
					7.20	1.455	0.0008	-2.5 to 2.5	Pass
					8.28	0.350	0.0002	-2.5 to 2.5	Pass
				-30	7.20	-0.630	-0.0004	-2.5 to 2.5	Pass
				-20	7.20	0.100	0.0001	-2.5 to 2.5	Pass
				-10	7.20	-0.960	-0.0006	-2.5 to 2.5	Pass
				0	7.20	1.285	0.0007	-2.5 to 2.5	Pass
				10	7.20	0.835	0.0005	-2.5 to 2.5	Pass
				30	7.20	-0.898	-0.0005	-2.5 to 2.5	Pass
				40	7.20	-0.188	-0.0001	-2.5 to 2.5	Pass
				50	7.20	1.818	0.0010	-2.5 to 2.5	Pass
	1752.5	25	0	20	6.12	-3.305	-0.0019	-2.5 to 2.5	Pass
					7.20	-1.653	-0.0009	-2.5 to 2.5	Pass
					8.28	-1.483	-0.0008	-2.5 to 2.5	Pass
				-30	7.20	-2.990	-0.0017	-2.5 to 2.5	Pass
				-20	7.20	-1.424	-0.0008	-2.5 to 2.5	Pass
				-10	7.20	-2.945	-0.0017	-2.5 to 2.5	Pass
				0	7.20	-1.719	-0.0010	-2.5 to 2.5	Pass
				10	7.20	-2.337	-0.0013	-2.5 to 2.5	Pass
				30	7.20	-2.269	-0.0013	-2.5 to 2.5	Pass
				40	7.20	-1.194	-0.0007	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	6.12	1.415	0.0008	-2.5 to 2.5	Pass
					7.20	2.261	0.0013	-2.5 to 2.5	Pass
					8.28	1.019	0.0006	-2.5 to 2.5	Pass
				-30	7.20	2.261	0.0013	-2.5 to 2.5	Pass
				-20	7.20	1.041	0.0006	-2.5 to 2.5	Pass
				-10	7.20	2.862	0.0017	-2.5 to 2.5	Pass
				0	7.20	1.601	0.0009	-2.5 to 2.5	Pass
				10	7.20	2.744	0.0016	-2.5 to 2.5	Pass
				30	7.20	1.661	0.0010	-2.5 to 2.5	Pass
				40	7.20	2.401	0.0014	-2.5 to 2.5	Pass
				50	7.20	2.189	0.0013	-2.5 to 2.5	Pass
	1732.5	25	0	20	6.12	2.113	0.0012	-2.5 to 2.5	Pass
					7.20	0.618	0.0004	-2.5 to 2.5	Pass
					8.28	0.285	0.0002	-2.5 to 2.5	Pass
				-30	7.20	-0.227	-0.0001	-2.5 to 2.5	Pass
				-20	7.20	-0.742	-0.0004	-2.5 to 2.5	Pass
				-10	7.20	0.440	0.0003	-2.5 to 2.5	Pass
				0	7.20	-0.486	-0.0003	-2.5 to 2.5	Pass
				10	7.20	-0.511	-0.0003	-2.5 to 2.5	Pass
				30	7.20	1.235	0.0007	-2.5 to 2.5	Pass
				40	7.20	0.577	0.0003	-2.5 to 2.5	Pass



	1752.5	25	0	50	3.85	1.040	0.0006	-2.5 to 2.5	Pass
				20	6.12	-2.583	-0.0015	-2.5 to 2.5	Pass
					7.20	-1.702	-0.0010	-2.5 to 2.5	Pass
					8.28	-1.952	-0.0011	-2.5 to 2.5	Pass
				-30	7.20	-2.607	-0.0015	-2.5 to 2.5	Pass
				-20	7.20	-2.378	-0.0014	-2.5 to 2.5	Pass
				-10	7.20	-1.873	-0.0011	-2.5 to 2.5	Pass
				0	7.20	-1.870	-0.0011	-2.5 to 2.5	Pass
				10	7.20	-2.366	-0.0014	-2.5 to 2.5	Pass
				30	7.20	-2.522	-0.0014	-2.5 to 2.5	Pass
				40	7.20	-2.786	-0.0016	-2.5 to 2.5	Pass
				50	7.20	-2.481	-0.0014	-2.5 to 2.5	Pass
64QAM	1712.5	25	0	20	6.12	1.521	0.0009	-2.5 to 2.5	Pass
					7.20	2.194	0.0013	-2.5 to 2.5	Pass
					8.28	3.159	0.0018	-2.5 to 2.5	Pass
				-30	7.20	1.849	0.0011	-2.5 to 2.5	Pass
				-20	7.20	1.885	0.0011	-2.5 to 2.5	Pass
				-10	7.20	1.502	0.0009	-2.5 to 2.5	Pass
				0	7.20	1.458	0.0009	-2.5 to 2.5	Pass
				10	7.20	2.565	0.0015	-2.5 to 2.5	Pass
				30	7.20	2.667	0.0016	-2.5 to 2.5	Pass
				40	7.20	2.110	0.0012	-2.5 to 2.5	Pass
				50	7.20	1.697	0.0010	-2.5 to 2.5	Pass
	1732.5	25	0	20	6.12	-0.065	0.0000	-2.5 to 2.5	Pass
					7.20	0.417	0.0002	-2.5 to 2.5	Pass
					8.28	0.558	0.0003	-2.5 to 2.5	Pass
				-30	7.20	1.218	0.0007	-2.5 to 2.5	Pass
				-20	7.20	-0.072	0.0000	-2.5 to 2.5	Pass
				-10	7.20	0.990	0.0006	-2.5 to 2.5	Pass
				0	7.20	2.301	0.0013	-2.5 to 2.5	Pass
				10	7.20	0.886	0.0005	-2.5 to 2.5	Pass
				30	7.20	1.314	0.0008	-2.5 to 2.5	Pass
				40	7.20	0.713	0.0004	-2.5 to 2.5	Pass
				50	7.20	0.314	0.0002	-2.5 to 2.5	Pass
	1752.5	25	0	20	6.12	-2.297	-0.0013	-2.5 to 2.5	Pass
					7.20	-2.817	-0.0016	-2.5 to 2.5	Pass
					8.28	-2.953	-0.0017	-2.5 to 2.5	Pass
				-30	7.20	-2.775	-0.0016	-2.5 to 2.5	Pass
				-20	7.20	-2.618	-0.0015	-2.5 to 2.5	Pass
				-10	7.20	-3.532	-0.0020	-2.5 to 2.5	Pass
				0	7.20	-1.711	-0.0010	-2.5 to 2.5	Pass
				10	7.20	-2.311	-0.0013	-2.5 to 2.5	Pass
				30	7.20	-2.781	-0.0016	-2.5 to 2.5	Pass
				40	7.20	-2.896	-0.0017	-2.5 to 2.5	Pass
				50	7.20	-2.330	-0.0013	-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	6.12	-3.242	-0.0019	-2.5 to 2.5	Pass



					7.20	-3.118	-0.0018	-2.5 to 2.5	Pass
					8.28	-2.975	-0.0017	-2.5 to 2.5	Pass
				-30	7.20	-3.979	-0.0023	-2.5 to 2.5	Pass
				-20	7.20	-3.370	-0.0020	-2.5 to 2.5	Pass
				-10	7.20	-2.205	-0.0013	-2.5 to 2.5	Pass
				0	7.20	-2.752	-0.0016	-2.5 to 2.5	Pass
				10	7.20	-2.626	-0.0015	-2.5 to 2.5	Pass
				30	7.20	-1.615	-0.0009	-2.5 to 2.5	Pass
				40	7.20	-2.700	-0.0016	-2.5 to 2.5	Pass
				50	7.20	-2.444	-0.0014	-2.5 to 2.5	Pass
	1732.5	50	0	20	6.12	-0.265	-0.0002	-2.5 to 2.5	Pass
					7.20	0.305	0.0002	-2.5 to 2.5	Pass
					8.28	0.995	0.0006	-2.5 to 2.5	Pass
				-30	7.20	0.991	0.0006	-2.5 to 2.5	Pass
				-20	7.20	1.077	0.0006	-2.5 to 2.5	Pass
				-10	7.20	0.177	0.0001	-2.5 to 2.5	Pass
				0	7.20	-0.301	-0.0002	-2.5 to 2.5	Pass
				10	7.20	-0.511	-0.0003	-2.5 to 2.5	Pass
				30	7.20	0.760	0.0004	-2.5 to 2.5	Pass
				40	7.20	-0.136	-0.0001	-2.5 to 2.5	Pass
				50	7.20	0.182	0.0001	-2.5 to 2.5	Pass
	1750	50	0	20	6.12	1.441	0.0008	-2.5 to 2.5	Pass
					7.20	2.397	0.0014	-2.5 to 2.5	Pass
					8.28	3.222	0.0018	-2.5 to 2.5	Pass
				-30	7.20	0.629	0.0004	-2.5 to 2.5	Pass
				-20	7.20	1.996	0.0011	-2.5 to 2.5	Pass
				-10	7.20	2.516	0.0014	-2.5 to 2.5	Pass
				0	7.20	0.452	0.0003	-2.5 to 2.5	Pass
				10	7.20	1.921	0.0011	-2.5 to 2.5	Pass
				30	7.20	2.051	0.0012	-2.5 to 2.5	Pass
				40	7.20	1.302	0.0007	-2.5 to 2.5	Pass
				50	7.20	2.649	0.0015	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	6.12	-1.564	-0.0009	-2.5 to 2.5	Pass
					7.20	-1.663	-0.0010	-2.5 to 2.5	Pass
					8.28	-4.224	-0.0025	-2.5 to 2.5	Pass
				-30	7.20	-2.880	-0.0017	-2.5 to 2.5	Pass
				-20	7.20	-3.670	-0.0021	-2.5 to 2.5	Pass
				-10	7.20	-3.455	-0.0020	-2.5 to 2.5	Pass
				0	7.20	-3.026	-0.0018	-2.5 to 2.5	Pass
				10	7.20	-1.994	-0.0012	-2.5 to 2.5	Pass
				30	7.20	-3.505	-0.0020	-2.5 to 2.5	Pass
				40	7.20	-2.178	-0.0013	-2.5 to 2.5	Pass
				50	7.20	-1.399	-0.0008	-2.5 to 2.5	Pass
	1732.5	50	0	20	6.12	1.894	0.0011	-2.5 to 2.5	Pass
					7.20	1.498	0.0009	-2.5 to 2.5	Pass
					8.28	-0.044	0.0000	-2.5 to 2.5	Pass
				-30	7.20	0.948	0.0005	-2.5 to 2.5	Pass
				-20	7.20	1.149	0.0007	-2.5 to 2.5	Pass
				-10	7.20	0.908	0.0005	-2.5 to 2.5	Pass
				0	7.20	-0.270	-0.0002	-2.5 to 2.5	Pass
				10	7.20	-0.178	-0.0001	-2.5 to 2.5	Pass
				30	7.20	0.699	0.0004	-2.5 to 2.5	Pass
				40	7.20	0.037	0.0000	-2.5 to 2.5	Pass
				50	7.20	0.723	0.0004	-2.5 to 2.5	Pass
	1750	50	0	20	6.12	0.880	0.0005	-2.5 to 2.5	Pass
					7.20	2.268	0.0013	-2.5 to 2.5	Pass



64QAM	1715	50	0		8.28	1.832	0.0010	-2.5 to 2.5	Pass
				-30	7.20	1.736	0.0010	-2.5 to 2.5	Pass
				-20	7.20	2.249	0.0013	-2.5 to 2.5	Pass
				-10	7.20	1.338	0.0008	-2.5 to 2.5	Pass
				0	7.20	2.039	0.0012	-2.5 to 2.5	Pass
				10	7.20	0.172	0.0001	-2.5 to 2.5	Pass
				30	7.20	2.219	0.0013	-2.5 to 2.5	Pass
				40	7.20	2.395	0.0014	-2.5 to 2.5	Pass
				50	7.20	1.585	0.0009	-2.5 to 2.5	Pass
				20	6.12	-1.344	-0.0008	-2.5 to 2.5	Pass
					7.20	-2.599	-0.0015	-2.5 to 2.5	Pass
					8.28	-2.657	-0.0015	-2.5 to 2.5	Pass
				-30	7.20	-1.419	-0.0008	-2.5 to 2.5	Pass
				-20	7.20	-3.647	-0.0021	-2.5 to 2.5	Pass
				-10	7.20	-2.637	-0.0015	-2.5 to 2.5	Pass
				0	7.20	-4.058	-0.0024	-2.5 to 2.5	Pass
				10	7.20	-2.284	-0.0013	-2.5 to 2.5	Pass
				30	7.20	-3.387	-0.0020	-2.5 to 2.5	Pass
				40	7.20	-3.220	-0.0019	-2.5 to 2.5	Pass
				50	7.20	-2.887	-0.0017	-2.5 to 2.5	Pass
64QAM	1732.5	50	0	20	6.12	-0.105	-0.0001	-2.5 to 2.5	Pass
					7.20	-0.238	-0.0001	-2.5 to 2.5	Pass
					8.28	2.131	0.0012	-2.5 to 2.5	Pass
				-30	7.20	0.703	0.0004	-2.5 to 2.5	Pass
				-20	7.20	2.032	0.0012	-2.5 to 2.5	Pass
				-10	7.20	0.464	0.0003	-2.5 to 2.5	Pass
				0	7.20	1.692	0.0010	-2.5 to 2.5	Pass
				10	7.20	0.613	0.0004	-2.5 to 2.5	Pass
				30	7.20	0.177	0.0001	-2.5 to 2.5	Pass
				40	7.20	0.363	0.0002	-2.5 to 2.5	Pass
				50	7.20	-0.497	-0.0003	-2.5 to 2.5	Pass
				20	6.12	1.757	0.0010	-2.5 to 2.5	Pass
					7.20	2.700	0.0015	-2.5 to 2.5	Pass
					8.28	0.960	0.0005	-2.5 to 2.5	Pass
				-30	7.20	1.251	0.0007	-2.5 to 2.5	Pass
				-20	7.20	2.257	0.0013	-2.5 to 2.5	Pass
				-10	7.20	1.883	0.0011	-2.5 to 2.5	Pass
				0	7.20	1.152	0.0007	-2.5 to 2.5	Pass
				10	7.20	1.695	0.0010	-2.5 to 2.5	Pass
				30	7.20	3.185	0.0018	-2.5 to 2.5	Pass
				40	7.20	1.852	0.0011	-2.5 to 2.5	Pass
				50	7.20	2.682	0.0015	-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	6.12	-0.330	-0.0002	-2.5 to 2.5	Pass
					7.20	0.460	0.0003	-2.5 to 2.5	Pass
					8.28	0.932	0.0005	-2.5 to 2.5	Pass
				-30	7.20	0.937	0.0005	-2.5 to 2.5	Pass

				-20	7.20	0.800	0.0005	-2.5 to 2.5	Pass
				-10	7.20	0.598	0.0003	-2.5 to 2.5	Pass
				0	7.20	0.239	0.0001	-2.5 to 2.5	Pass
				10	7.20	-0.568	-0.0003	-2.5 to 2.5	Pass
				30	7.20	1.276	0.0007	-2.5 to 2.5	Pass
				40	7.20	1.076	0.0006	-2.5 to 2.5	Pass
				50	7.20	-0.169	-0.0001	-2.5 to 2.5	Pass
	1732.5	75	0	20	6.12	-0.093	-0.0001	-2.5 to 2.5	Pass
					7.20	1.641	0.0009	-2.5 to 2.5	Pass
					8.28	0.525	0.0003	-2.5 to 2.5	Pass
				-30	7.20	-0.270	-0.0002	-2.5 to 2.5	Pass
				-20	7.20	1.506	0.0009	-2.5 to 2.5	Pass
				-10	7.20	0.690	0.0004	-2.5 to 2.5	Pass
				0	7.20	-0.791	-0.0005	-2.5 to 2.5	Pass
				10	7.20	0.047	0.0000	-2.5 to 2.5	Pass
				30	7.20	1.820	0.0011	-2.5 to 2.5	Pass
				40	7.20	-0.394	-0.0002	-2.5 to 2.5	Pass
				50	7.20	-0.692	-0.0004	-2.5 to 2.5	Pass
	1747.5	75	0	20	6.12	0.301	0.0002	-2.5 to 2.5	Pass
					7.20	-0.014	0.0000	-2.5 to 2.5	Pass
					8.28	0.293	0.0002	-2.5 to 2.5	Pass
				-30	7.20	-0.260	-0.0001	-2.5 to 2.5	Pass
				-20	7.20	0.887	0.0005	-2.5 to 2.5	Pass
				-10	7.20	0.875	0.0005	-2.5 to 2.5	Pass
				0	7.20	-0.681	-0.0004	-2.5 to 2.5	Pass
				10	7.20	0.204	0.0001	-2.5 to 2.5	Pass
				30	7.20	0.609	0.0003	-2.5 to 2.5	Pass
				40	7.20	0.038	0.0000	-2.5 to 2.5	Pass
				50	7.20	1.152	0.0007	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	6.12	0.204	0.0001	-2.5 to 2.5	Pass
					7.20	-0.143	-0.0001	-2.5 to 2.5	Pass
					8.28	0.275	0.0002	-2.5 to 2.5	Pass
				-30	7.20	-0.268	-0.0002	-2.5 to 2.5	Pass
				-20	7.20	-0.386	-0.0002	-2.5 to 2.5	Pass
				-10	7.20	0.121	0.0001	-2.5 to 2.5	Pass
				0	7.20	0.682	0.0004	-2.5 to 2.5	Pass
				10	7.20	1.131	0.0007	-2.5 to 2.5	Pass
				30	7.20	-0.607	-0.0004	-2.5 to 2.5	Pass
				40	7.20	0.351	0.0002	-2.5 to 2.5	Pass
				50	7.20	1.079	0.0006	-2.5 to 2.5	Pass
	1732.5	75	0	20	6.12	1.314	0.0008	-2.5 to 2.5	Pass
					7.20	-0.354	-0.0002	-2.5 to 2.5	Pass
					8.28	0.959	0.0006	-2.5 to 2.5	Pass
				-30	7.20	0.237	0.0001	-2.5 to 2.5	Pass
				-20	7.20	-0.394	-0.0002	-2.5 to 2.5	Pass
				-10	7.20	0.305	0.0002	-2.5 to 2.5	Pass
				0	7.20	0.619	0.0004	-2.5 to 2.5	Pass
				10	7.20	0.575	0.0003	-2.5 to 2.5	Pass
				30	7.20	0.412	0.0002	-2.5 to 2.5	Pass
				40	7.20	1.208	0.0007	-2.5 to 2.5	Pass
				50	7.20	1.031	0.0006	-2.5 to 2.5	Pass
	1747.5	75	0	20	6.12	1.582	0.0009	-2.5 to 2.5	Pass
					7.20	0.537	0.0003	-2.5 to 2.5	Pass
					8.28	-0.771	-0.0004	-2.5 to 2.5	Pass
				-30	7.20	-1.053	-0.0006	-2.5 to 2.5	Pass
				-20	7.20	-0.631	-0.0004	-2.5 to 2.5	Pass



64QAM	1717.5	75	0	-10	7.20	1.204	0.0007	-2.5 to 2.5	Pass
				0	7.20	1.303	0.0007	-2.5 to 2.5	Pass
				10	7.20	0.995	0.0006	-2.5 to 2.5	Pass
				30	7.20	-0.847	-0.0005	-2.5 to 2.5	Pass
				40	7.20	0.287	0.0002	-2.5 to 2.5	Pass
				50	7.20	-0.490	-0.0003	-2.5 to 2.5	Pass
	1732.5	75	0	20	6.12	-0.086	-0.0001	-2.5 to 2.5	Pass
					7.20	-0.270	-0.0002	-2.5 to 2.5	Pass
					8.28	-0.095	-0.0001	-2.5 to 2.5	Pass
				-30	7.20	0.057	0.0000	-2.5 to 2.5	Pass
				-20	7.20	-2.025	-0.0012	-2.5 to 2.5	Pass
				-10	7.20	-0.802	-0.0005	-2.5 to 2.5	Pass
				0	7.20	0.624	0.0004	-2.5 to 2.5	Pass
				10	7.20	-0.528	-0.0003	-2.5 to 2.5	Pass
				30	7.20	0.335	0.0002	-2.5 to 2.5	Pass
				40	7.20	-1.037	-0.0006	-2.5 to 2.5	Pass
				50	7.20	0.031	0.0000	-2.5 to 2.5	Pass
				20	6.12	0.188	0.0001	-2.5 to 2.5	Pass
					7.20	-0.704	-0.0004	-2.5 to 2.5	Pass
					8.28	-0.296	-0.0002	-2.5 to 2.5	Pass
	1747.5	75	0	-30	7.20	1.863	0.0011	-2.5 to 2.5	Pass
				-20	7.20	-0.194	-0.0001	-2.5 to 2.5	Pass
				-10	7.20	0.272	0.0002	-2.5 to 2.5	Pass
				0	7.20	0.645	0.0004	-2.5 to 2.5	Pass
				10	7.20	1.811	0.0010	-2.5 to 2.5	Pass
				30	7.20	0.297	0.0002	-2.5 to 2.5	Pass
				40	7.20	0.648	0.0004	-2.5 to 2.5	Pass
				50	7.20	1.793	0.0010	-2.5 to 2.5	Pass
				20	6.12	0.689	0.0004	-2.5 to 2.5	Pass
					7.20	0.049	0.0000	-2.5 to 2.5	Pass
					8.28	1.288	0.0007	-2.5 to 2.5	Pass
				-30	7.20	1.789	0.0010	-2.5 to 2.5	Pass
				-20	7.20	0.661	0.0004	-2.5 to 2.5	Pass
				-10	7.20	0.151	0.0001	-2.5 to 2.5	Pass
				0	7.20	-0.192	-0.0001	-2.5 to 2.5	Pass
				10	7.20	-0.101	-0.0001	-2.5 to 2.5	Pass
				30	7.20	-0.890	-0.0005	-2.5 to 2.5	Pass
				40	7.20	0.389	0.0002	-2.5 to 2.5	Pass
				50	7.20	1.438	0.0008	-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	6.12	1.314	0.0008	-2.5 to 2.5	Pass
					7.20	2.894	0.0017	-2.5 to 2.5	Pass
					8.28	1.736	0.0010	-2.5 to 2.5	Pass
				-30	7.20	3.000	0.0017	-2.5 to 2.5	Pass
				-20	7.20	2.133	0.0012	-2.5 to 2.5	Pass
				-10	7.20	1.808	0.0011	-2.5 to 2.5	Pass
				0	7.20	1.444	0.0008	-2.5 to 2.5	Pass



				10	7.20	1.036	0.0006	-2.5 to 2.5	Pass
				30	7.20	1.597	0.0009	-2.5 to 2.5	Pass
				40	7.20	0.728	0.0004	-2.5 to 2.5	Pass
				50	7.20	1.257	0.0007	-2.5 to 2.5	Pass
	1732.5	100	0	20	6.12	-0.500	-0.0003	-2.5 to 2.5	Pass
					7.20	0.309	0.0002	-2.5 to 2.5	Pass
					8.28	-0.387	-0.0002	-2.5 to 2.5	Pass
				-30	7.20	1.192	0.0007	-2.5 to 2.5	Pass
				-20	7.20	-0.068	0.0000	-2.5 to 2.5	Pass
				-10	7.20	0.817	0.0005	-2.5 to 2.5	Pass
				0	7.20	1.052	0.0006	-2.5 to 2.5	Pass
				10	7.20	1.410	0.0008	-2.5 to 2.5	Pass
				30	7.20	0.599	0.0003	-2.5 to 2.5	Pass
				40	7.20	-0.896	-0.0005	-2.5 to 2.5	Pass
				50	7.20	0.502	0.0003	-2.5 to 2.5	Pass
				1745	100	0	20	6.12	-2.621
	7.20	-3.215	-0.0018					-2.5 to 2.5	Pass
	8.28	-3.410	-0.0020					-2.5 to 2.5	Pass
	-30	7.20	-3.225				-0.0018	-2.5 to 2.5	Pass
	-20	7.20	-2.612				-0.0015	-2.5 to 2.5	Pass
	-10	7.20	-2.955				-0.0017	-2.5 to 2.5	Pass
	0	7.20	-2.737				-0.0016	-2.5 to 2.5	Pass
	10	7.20	-1.431				-0.0008	-2.5 to 2.5	Pass
	30	7.20	-1.699				-0.0010	-2.5 to 2.5	Pass
	40	7.20	-2.544				-0.0015	-2.5 to 2.5	Pass
	50	7.20	-2.411	-0.0014	-2.5 to 2.5	Pass			
16QAM	1720	100	0	20	6.12	1.957	0.0011	-2.5 to 2.5	Pass
					7.20	2.100	0.0012	-2.5 to 2.5	Pass
					8.28	1.822	0.0011	-2.5 to 2.5	Pass
				-30	7.20	2.049	0.0012	-2.5 to 2.5	Pass
				-20	7.20	0.730	0.0004	-2.5 to 2.5	Pass
				-10	7.20	2.922	0.0017	-2.5 to 2.5	Pass
				0	7.20	1.670	0.0010	-2.5 to 2.5	Pass
				10	7.20	2.490	0.0014	-2.5 to 2.5	Pass
				30	7.20	3.430	0.0020	-2.5 to 2.5	Pass
				40	7.20	1.858	0.0011	-2.5 to 2.5	Pass
				50	7.20	0.646	0.0004	-2.5 to 2.5	Pass
	1732.5	100	0	20	6.12	0.873	0.0005	-2.5 to 2.5	Pass
					7.20	0.835	0.0005	-2.5 to 2.5	Pass
					8.28	2.393	0.0014	-2.5 to 2.5	Pass
				-30	7.20	2.000	0.0012	-2.5 to 2.5	Pass
				-20	7.20	1.458	0.0008	-2.5 to 2.5	Pass
				-10	7.20	0.819	0.0005	-2.5 to 2.5	Pass
				0	7.20	0.096	0.0001	-2.5 to 2.5	Pass
				10	7.20	0.271	0.0002	-2.5 to 2.5	Pass
				30	7.20	0.987	0.0006	-2.5 to 2.5	Pass
				40	7.20	0.357	0.0002	-2.5 to 2.5	Pass
				50	7.20	-0.513	-0.0003	-2.5 to 2.5	Pass
	1745	100	0	20	6.12	-3.891	-0.0022	-2.5 to 2.5	Pass
					7.20	-1.823	-0.0010	-2.5 to 2.5	Pass
					8.28	-3.049	-0.0017	-2.5 to 2.5	Pass
				-30	7.20	-3.044	-0.0017	-2.5 to 2.5	Pass
				-20	7.20	-2.974	-0.0017	-2.5 to 2.5	Pass
				-10	7.20	-2.583	-0.0015	-2.5 to 2.5	Pass
				0	7.20	-2.973	-0.0017	-2.5 to 2.5	Pass
				10	7.20	-1.888	-0.0011	-2.5 to 2.5	Pass



64QAM	1720	100	0	30	7.20	-2.315	-0.0013	-2.5 to 2.5	Pass
				40	7.20	-2.877	-0.0016	-2.5 to 2.5	Pass
				50	7.20	-2.388	-0.0014	-2.5 to 2.5	Pass
				20	6.12	1.524	0.0009	-2.5 to 2.5	Pass
					7.20	1.019	0.0006	-2.5 to 2.5	Pass
					8.28	2.434	0.0014	-2.5 to 2.5	Pass
				-30	7.20	-0.063	0.0000	-2.5 to 2.5	Pass
				-20	7.20	2.742	0.0016	-2.5 to 2.5	Pass
				-10	7.20	2.968	0.0017	-2.5 to 2.5	Pass
				0	7.20	1.364	0.0008	-2.5 to 2.5	Pass
				10	7.20	0.798	0.0005	-2.5 to 2.5	Pass
				30	7.20	0.621	0.0004	-2.5 to 2.5	Pass
	1732.5	100	0	40	7.20	2.003	0.0012	-2.5 to 2.5	Pass
				50	7.20	2.145	0.0012	-2.5 to 2.5	Pass
				20	6.12	1.028	0.0006	-2.5 to 2.5	Pass
					7.20	0.706	0.0004	-2.5 to 2.5	Pass
					8.28	0.231	0.0001	-2.5 to 2.5	Pass
				-30	7.20	2.220	0.0013	-2.5 to 2.5	Pass
				-20	7.20	0.377	0.0002	-2.5 to 2.5	Pass
				-10	7.20	0.974	0.0006	-2.5 to 2.5	Pass
				0	7.20	1.006	0.0006	-2.5 to 2.5	Pass
				10	7.20	-0.115	-0.0001	-2.5 to 2.5	Pass
				30	7.20	0.005	0.0000	-2.5 to 2.5	Pass
				40	7.20	1.683	0.0010	-2.5 to 2.5	Pass
	1745	100	0	50	7.20	0.009	0.0000	-2.5 to 2.5	Pass
				20	6.12	-2.481	-0.0014	-2.5 to 2.5	Pass
					7.20	-2.733	-0.0016	-2.5 to 2.5	Pass
					8.28	-0.923	-0.0005	-2.5 to 2.5	Pass
				-30	7.20	-2.524	-0.0014	-2.5 to 2.5	Pass
				-20	7.20	-3.816	-0.0022	-2.5 to 2.5	Pass
				-10	7.20	-2.674	-0.0015	-2.5 to 2.5	Pass
				0	7.20	-3.073	-0.0018	-2.5 to 2.5	Pass
				10	7.20	-3.782	-0.0022	-2.5 to 2.5	Pass
				30	7.20	-2.386	-0.0014	-2.5 to 2.5	Pass
				40	7.20	-2.309	-0.0013	-2.5 to 2.5	Pass
				50	7.20	-2.629	-0.0015	-2.5 to 2.5	Pass

3. Modulation Characteristics

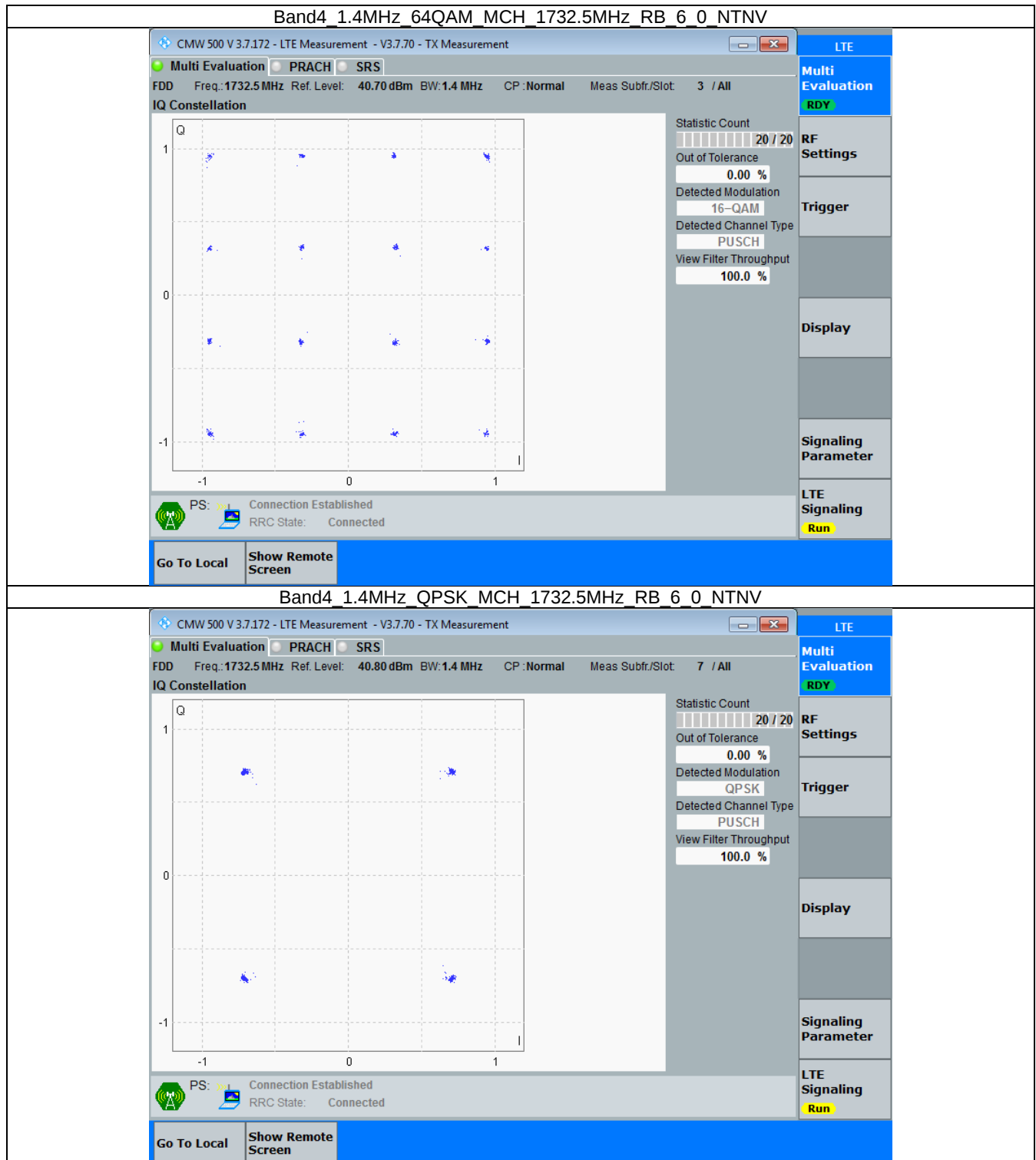
3.1 B4_1.4MHz

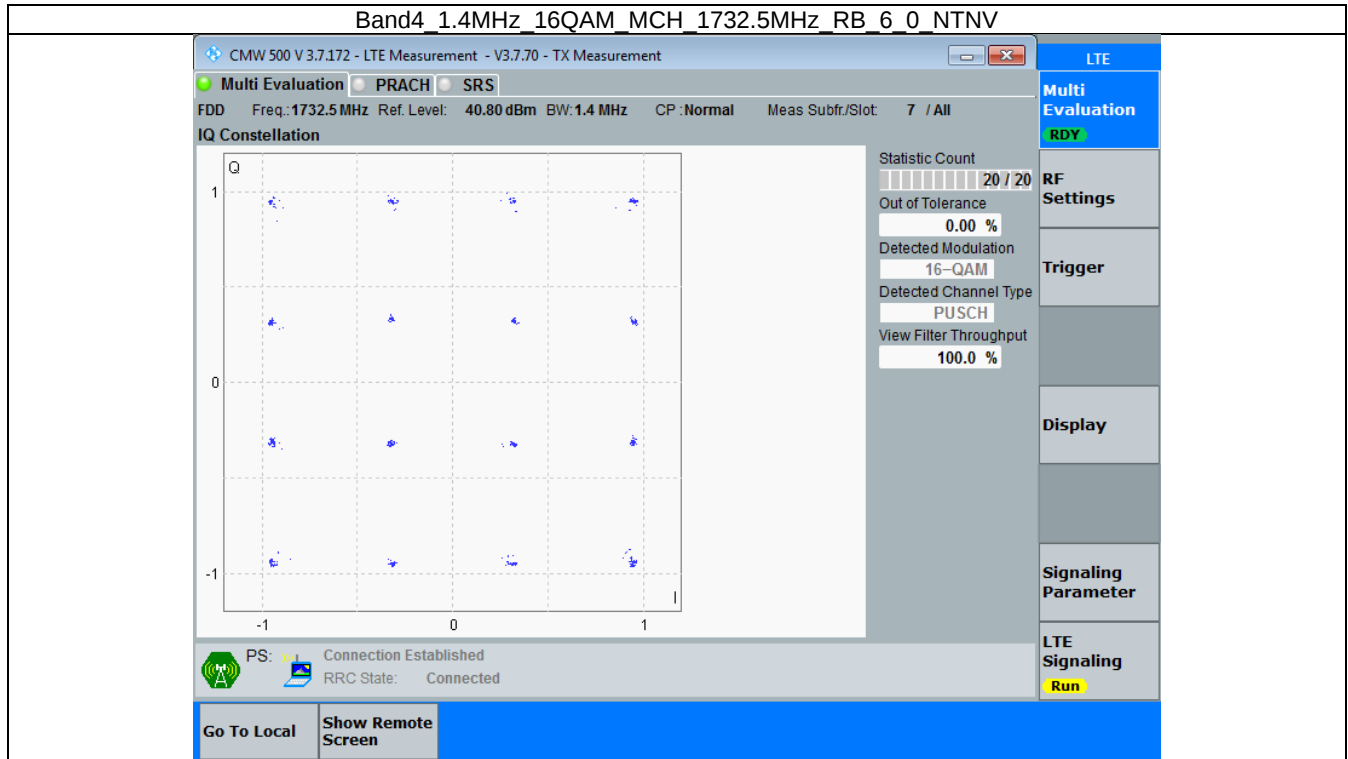
3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
64QAM	1732.5	6	0	Refer To Test Graph	Pass
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







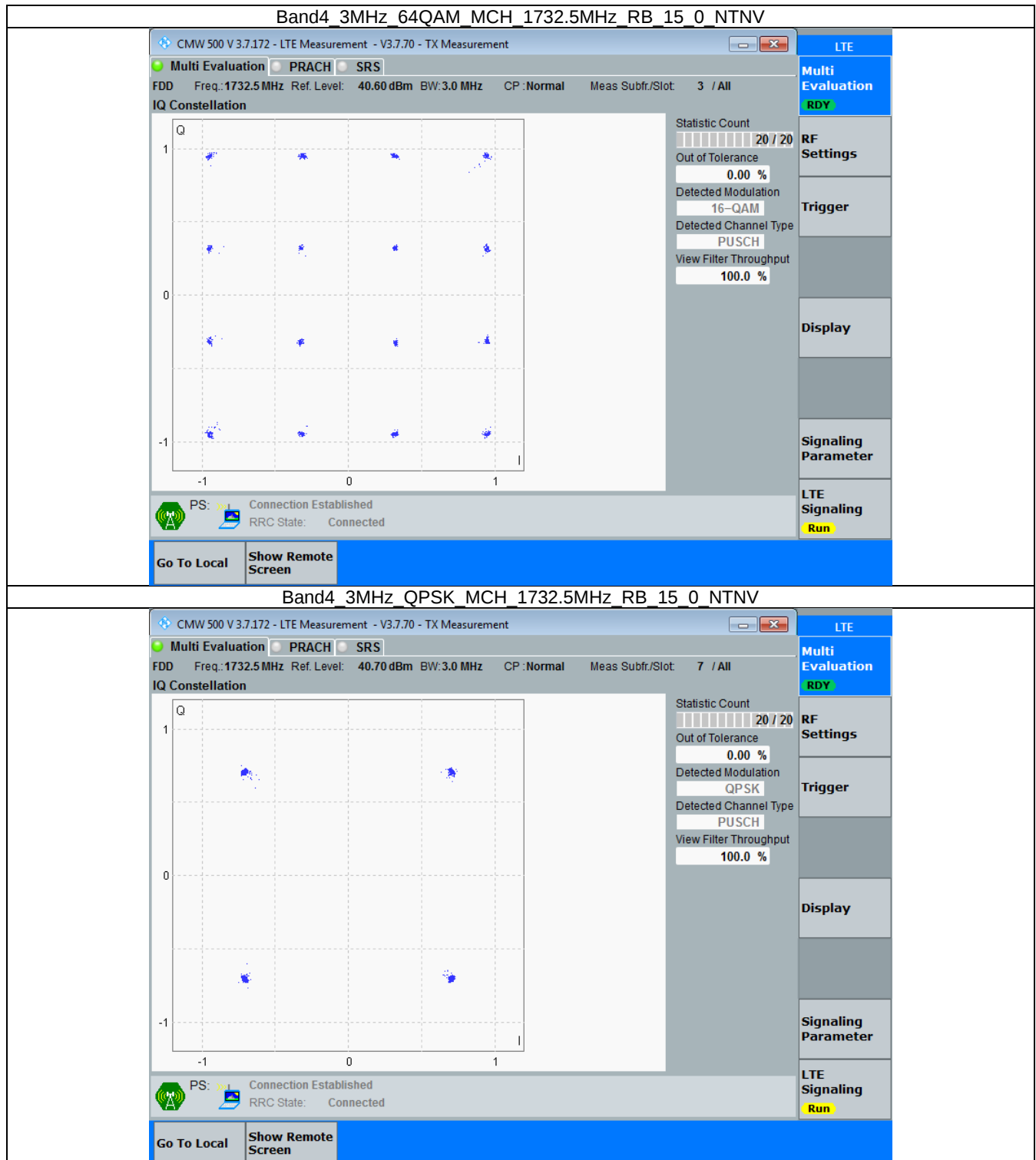
3.2 B4_3MHz

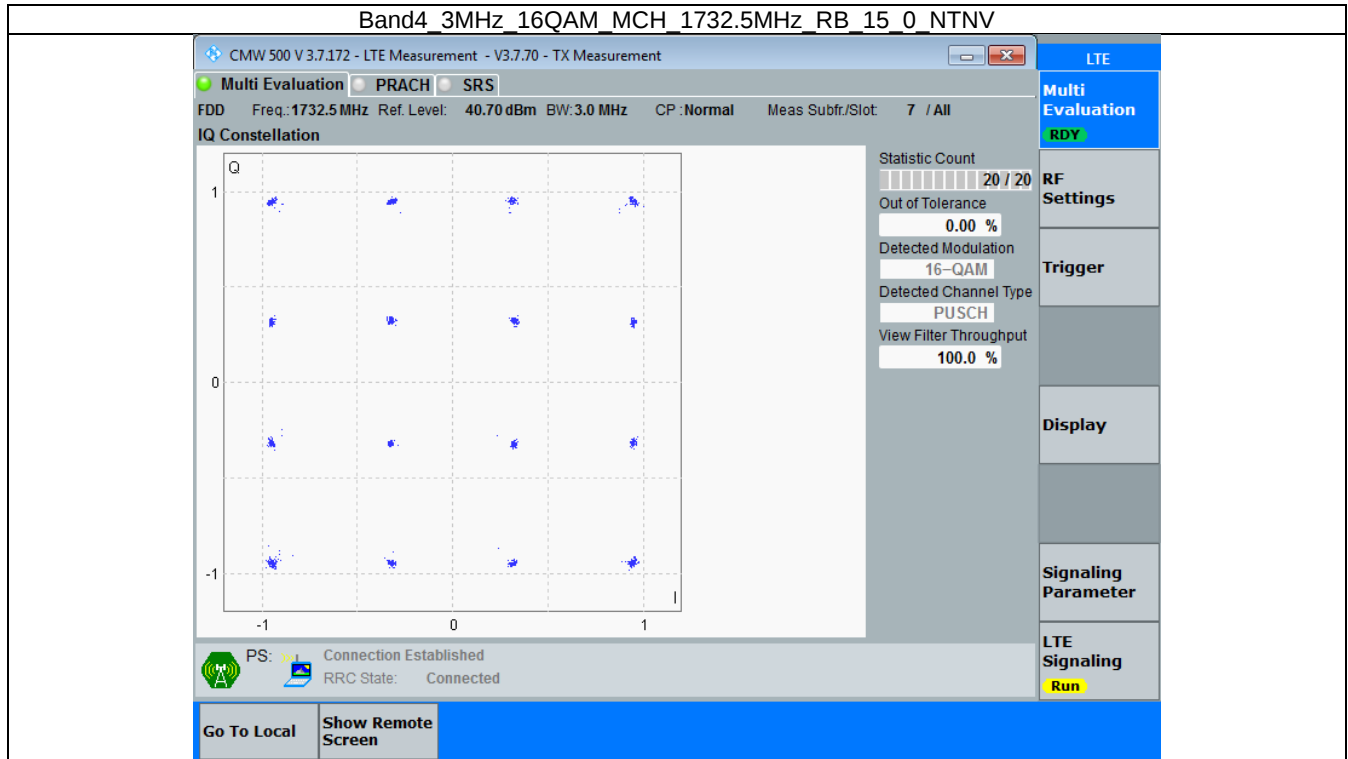
3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
64QAM	1732.5	15	0	Refer To Test Graph	Pass
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







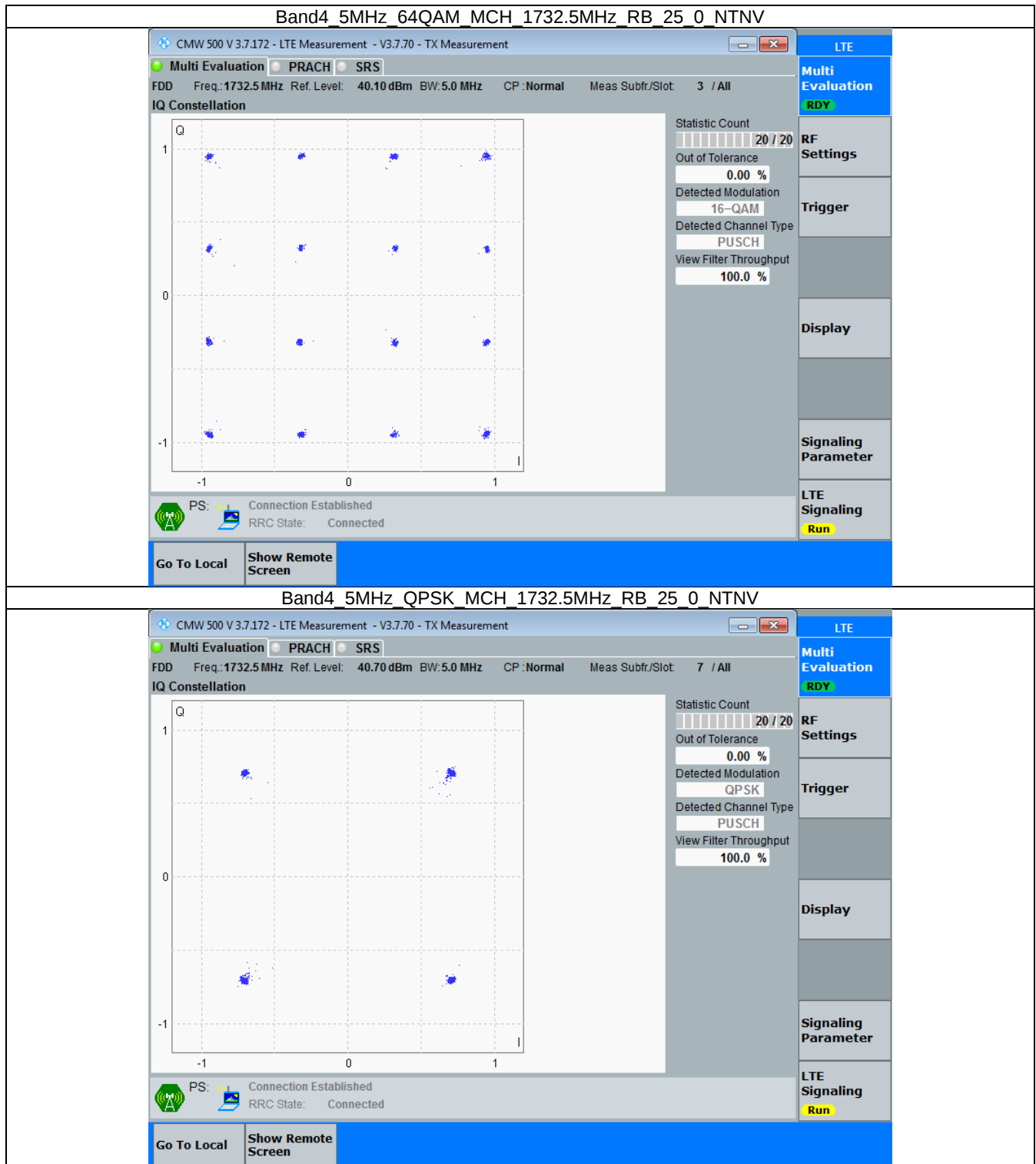
3.3 B4_5MHz

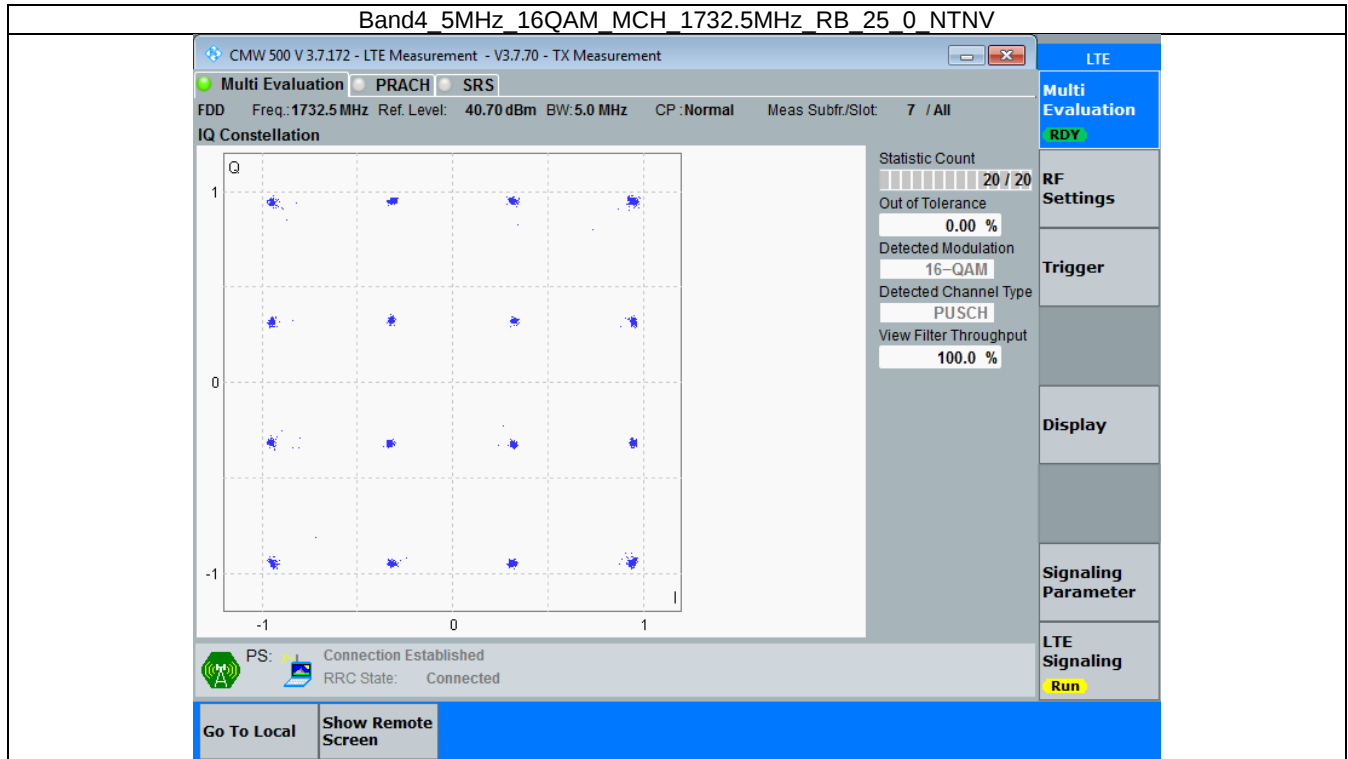
3.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
64QAM	1732.5	25	0	Refer To Test Graph	Pass
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







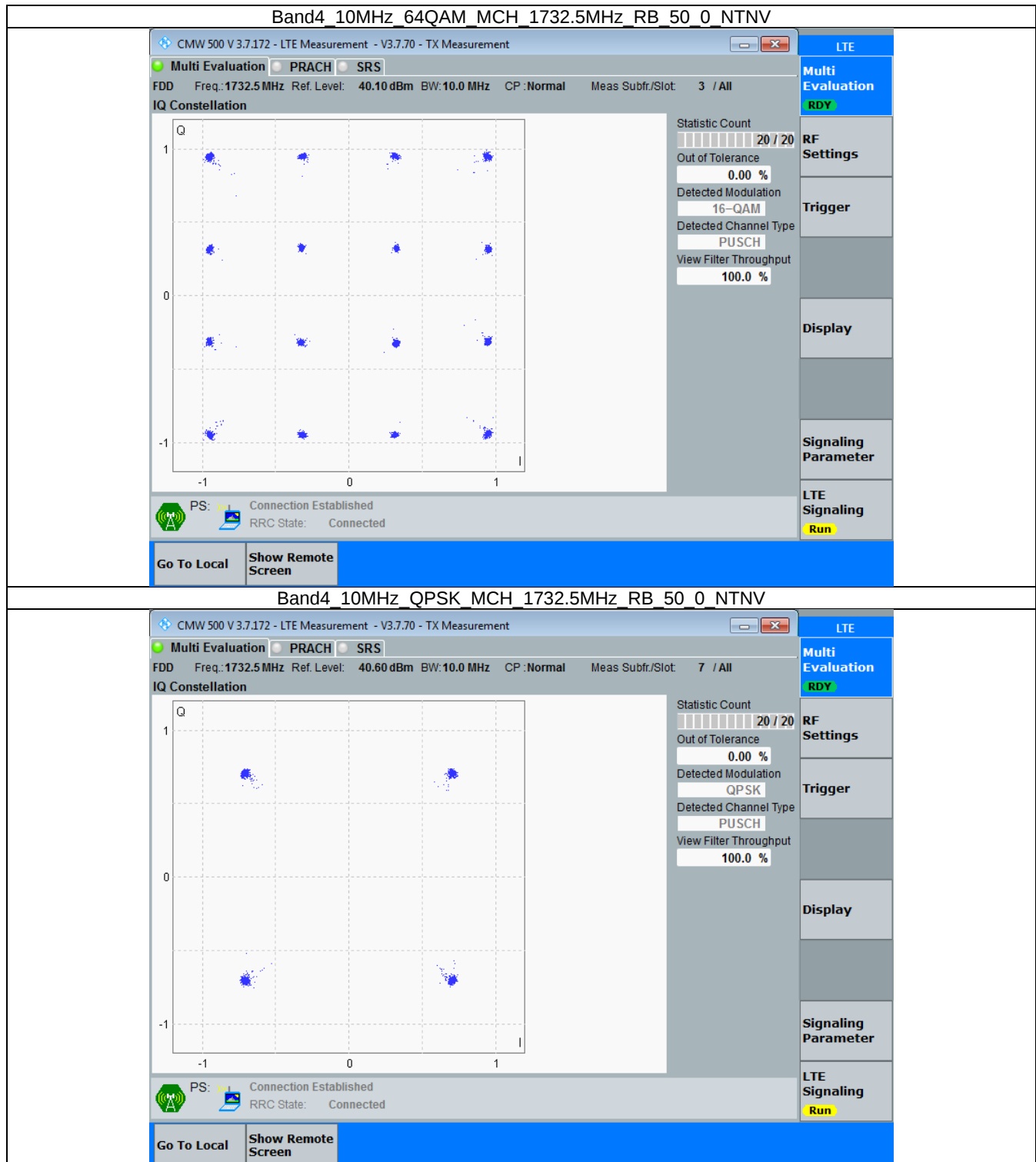
3.4 B4_10MHz

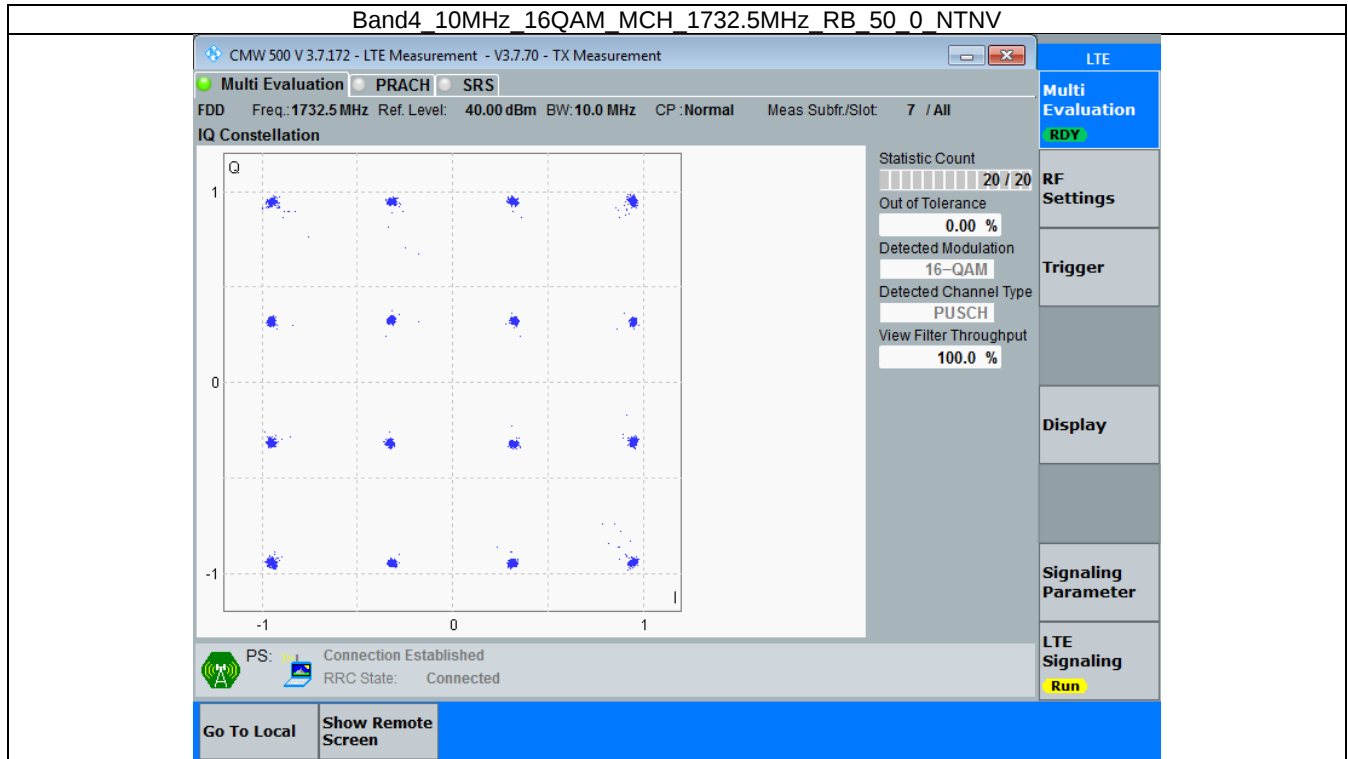
3.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	Verdict
		Size	Offset	Result	Limit
64QAM	1732.5	50	0	Refer To Test Graph	Pass
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







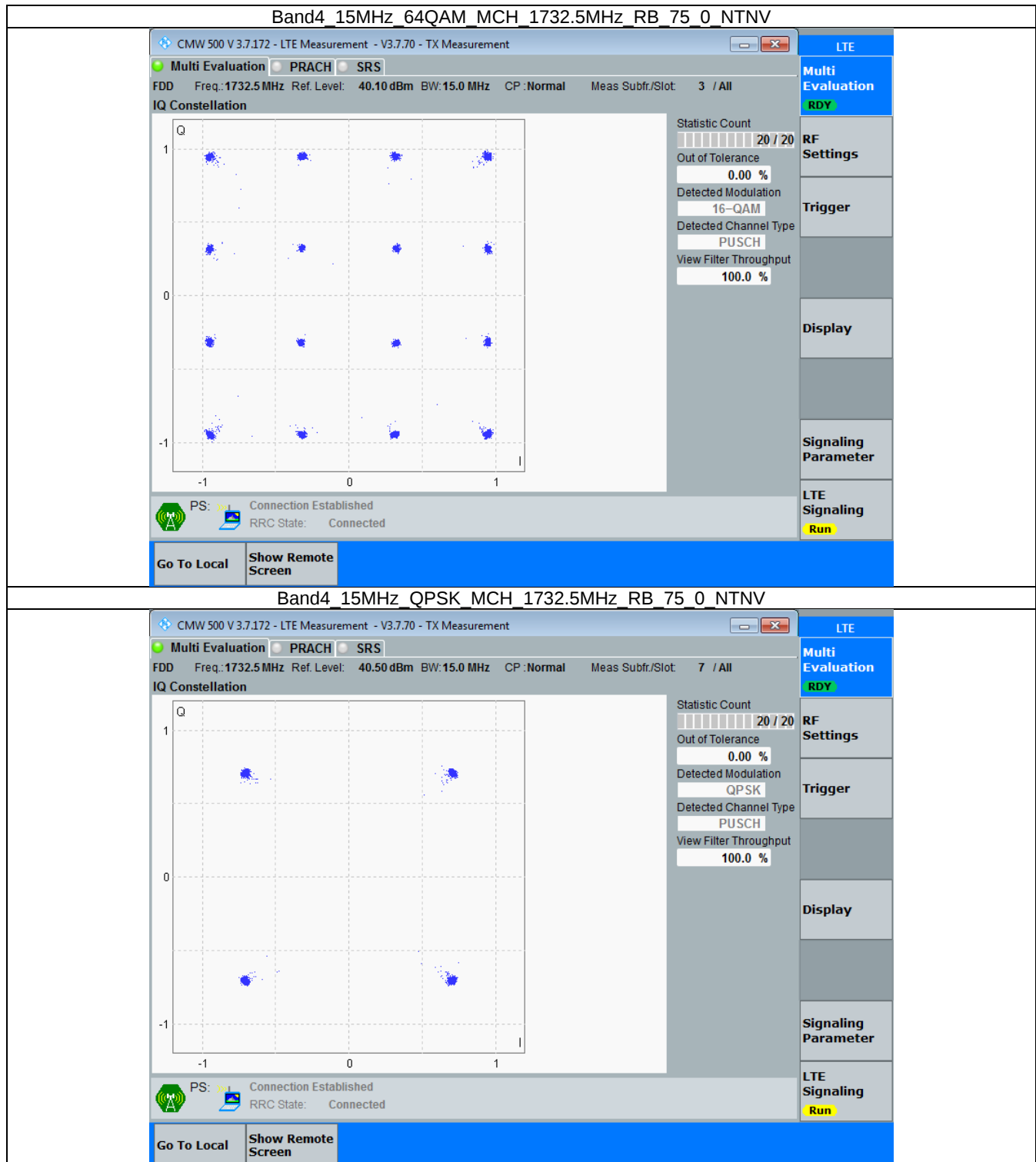
3.5 B4_15MHz

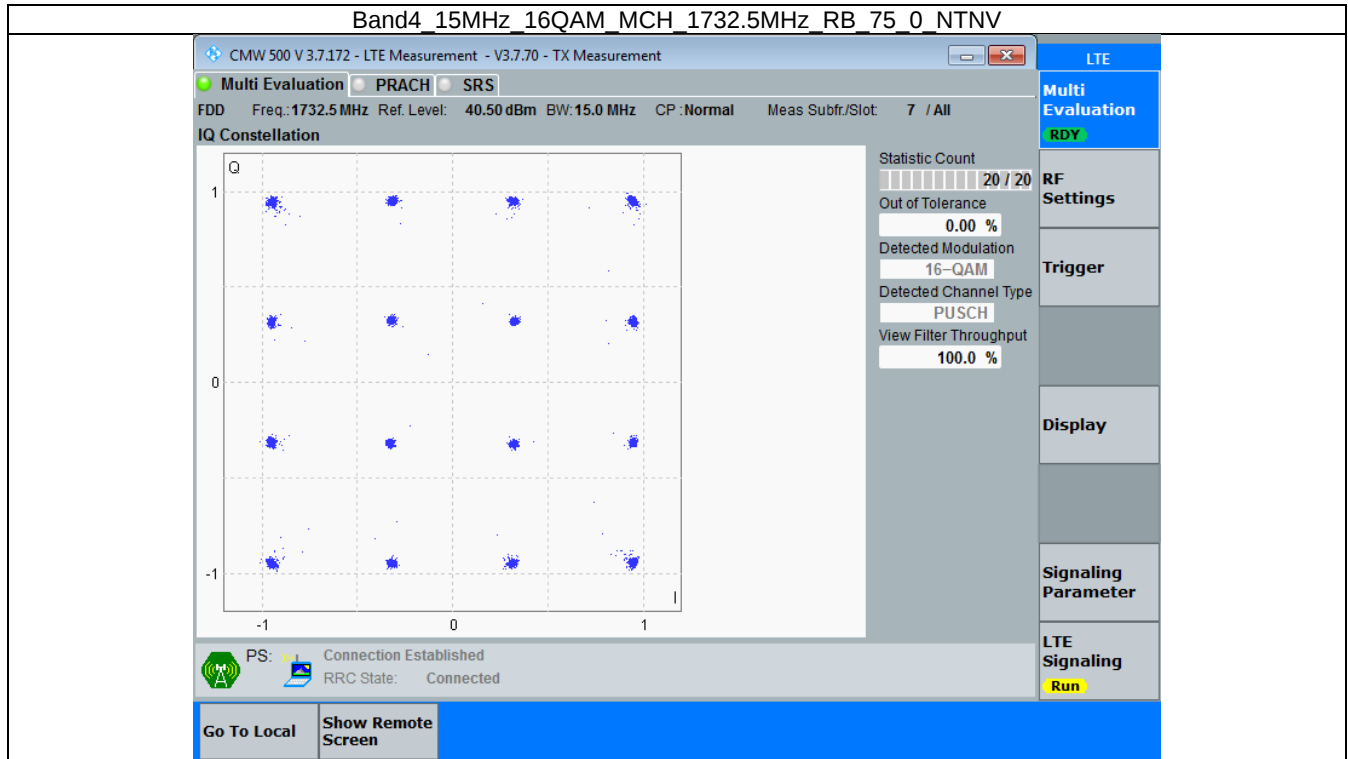
3.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	Verdict
		Size	Offset	Result	Limit
64QAM	1732.5	75	0	Refer To Test Graph	Pass
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







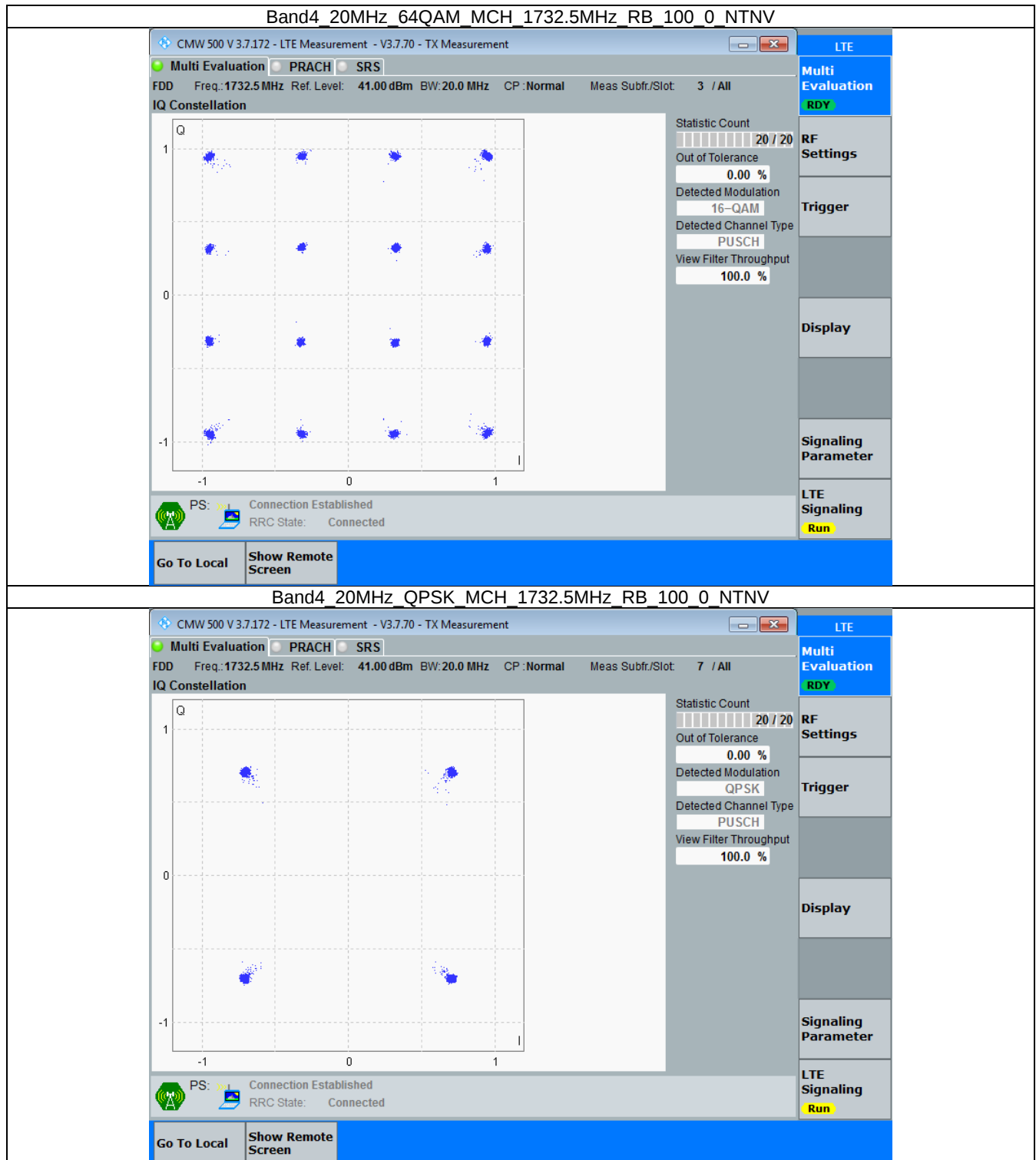
3.6 B4_20MHz

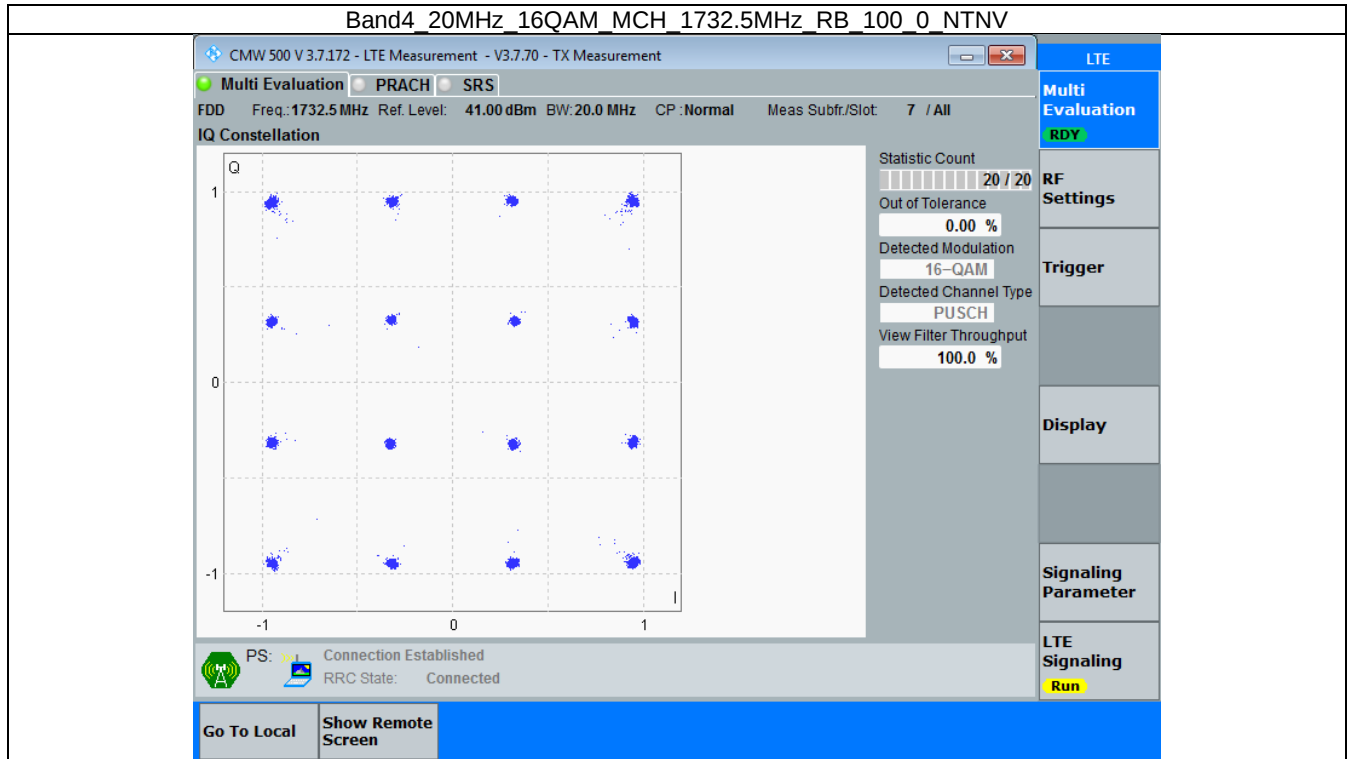
3.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	Verdict
		Size	Offset	Result	Limit
64QAM	1732.5	100	0	Refer To Test Graph	Pass
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

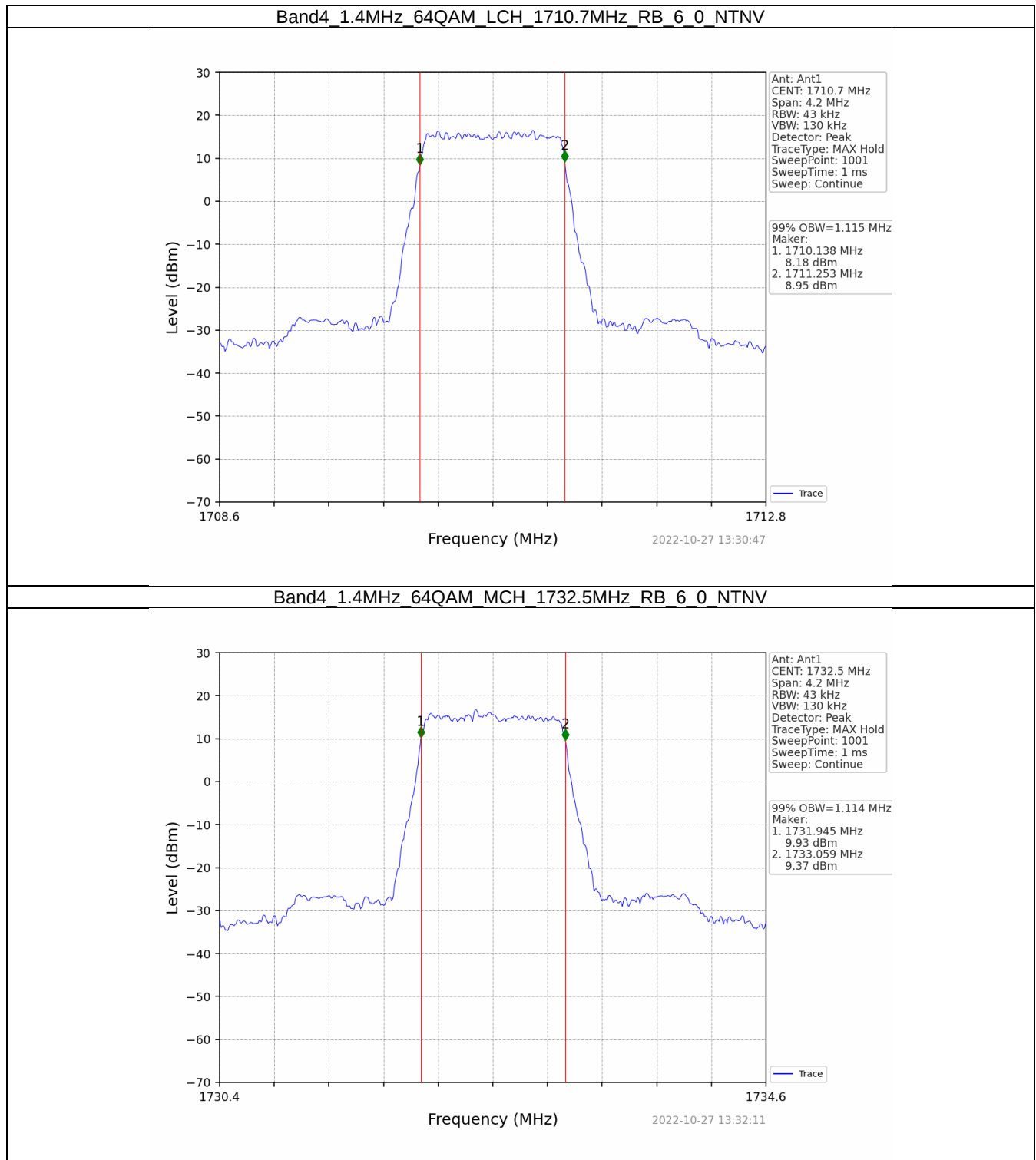
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	64QAM	1710.7	6	0	1.115	Pass
		1732.5	6	0	1.114	Pass
		1754.3	6	0	1.114	Pass
3	64QAM	1711.5	15	0	2.719	Pass
		1732.5	15	0	2.738	Pass
		1753.5	15	0	2.740	Pass
5	64QAM	1712.5	25	0	4.537	Pass
		1732.5	25	0	4.528	Pass
		1752.5	25	0	4.538	Pass
10	64QAM	1715	50	0	9.004	Pass
		1732.5	50	0	9.005	Pass
		1750	50	0	9.021	Pass
15	64QAM	1717.5	75	0	13.552	Pass
		1732.5	75	0	13.517	Pass
		1747.5	75	0	13.503	Pass
20	64QAM	1720	100	0	18.054	Pass
		1732.5	100	0	17.982	Pass
		1745	100	0	17.985	Pass
1.4	QPSK	1710.7	6	0	1.120	Pass
		1732.5	6	0	1.127	Pass
		1754.3	6	0	1.108	Pass
	16QAM	1710.7	6	0	1.113	Pass
		1732.5	6	0	1.114	Pass
		1754.3	6	0	1.114	Pass
3	QPSK	1711.5	15	0	2.729	Pass
		1732.5	15	0	2.736	Pass
		1753.5	15	0	2.738	Pass
	16QAM	1711.5	15	0	2.728	Pass
		1732.5	15	0	2.729	Pass
		1753.5	15	0	2.729	Pass
5	QPSK	1712.5	25	0	4.559	Pass
		1732.5	25	0	4.536	Pass
		1752.5	25	0	4.554	Pass
	16QAM	1712.5	25	0	4.532	Pass
		1732.5	25	0	4.552	Pass
		1752.5	25	0	4.545	Pass
10	QPSK	1715	50	0	9.042	Pass
		1732.5	50	0	9.009	Pass
		1750	50	0	9.041	Pass
	16QAM	1715	50	0	9.045	Pass
		1732.5	50	0	9.006	Pass
		1750	50	0	9.006	Pass
15	QPSK	1717.5	75	0	13.570	Pass



	16QAM	1732.5	75	0	13.488	Pass
		1747.5	75	0	13.549	Pass
		1717.5	75	0	13.593	Pass
		1732.5	75	0	13.519	Pass
		1747.5	75	0	13.563	Pass
20	QPSK	1720	100	0	18.084	Pass
		1732.5	100	0	17.979	Pass
		1745	100	0	18.026	Pass
	16QAM	1720	100	0	18.158	Pass
		1732.5	100	0	17.962	Pass
		1745	100	0	18.041	Pass

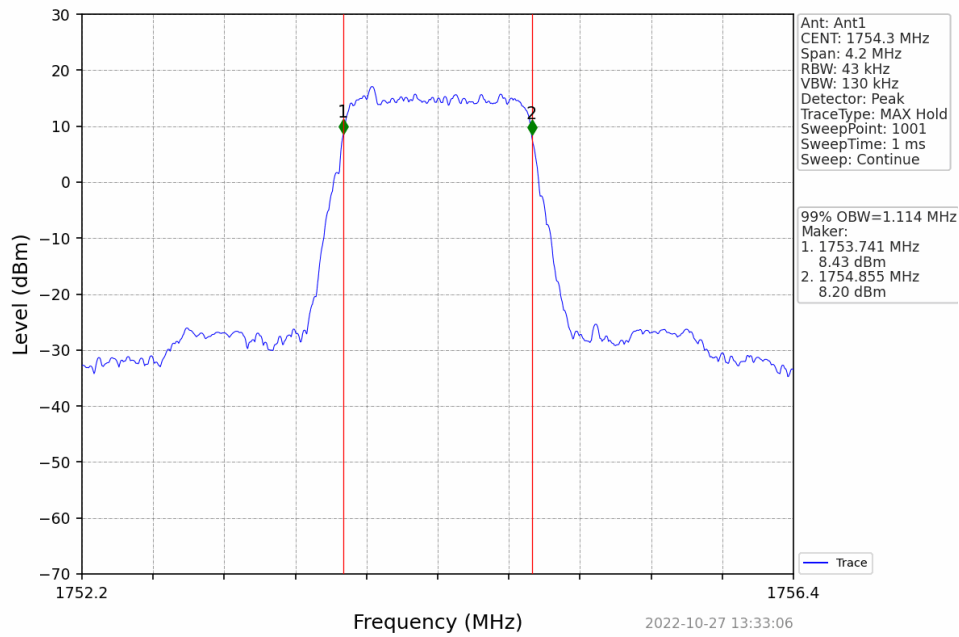


4.1.2 Test Graph

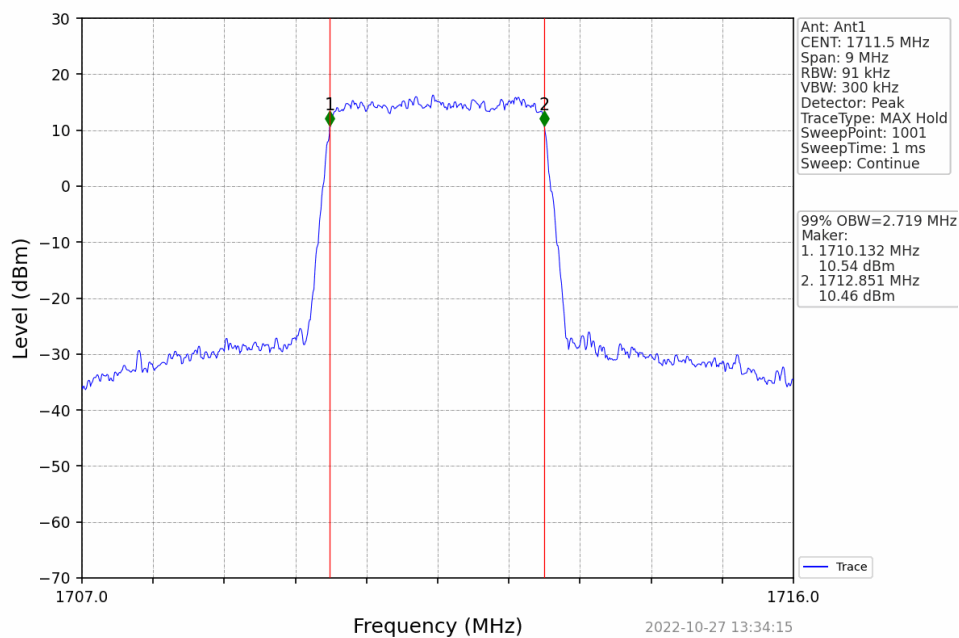


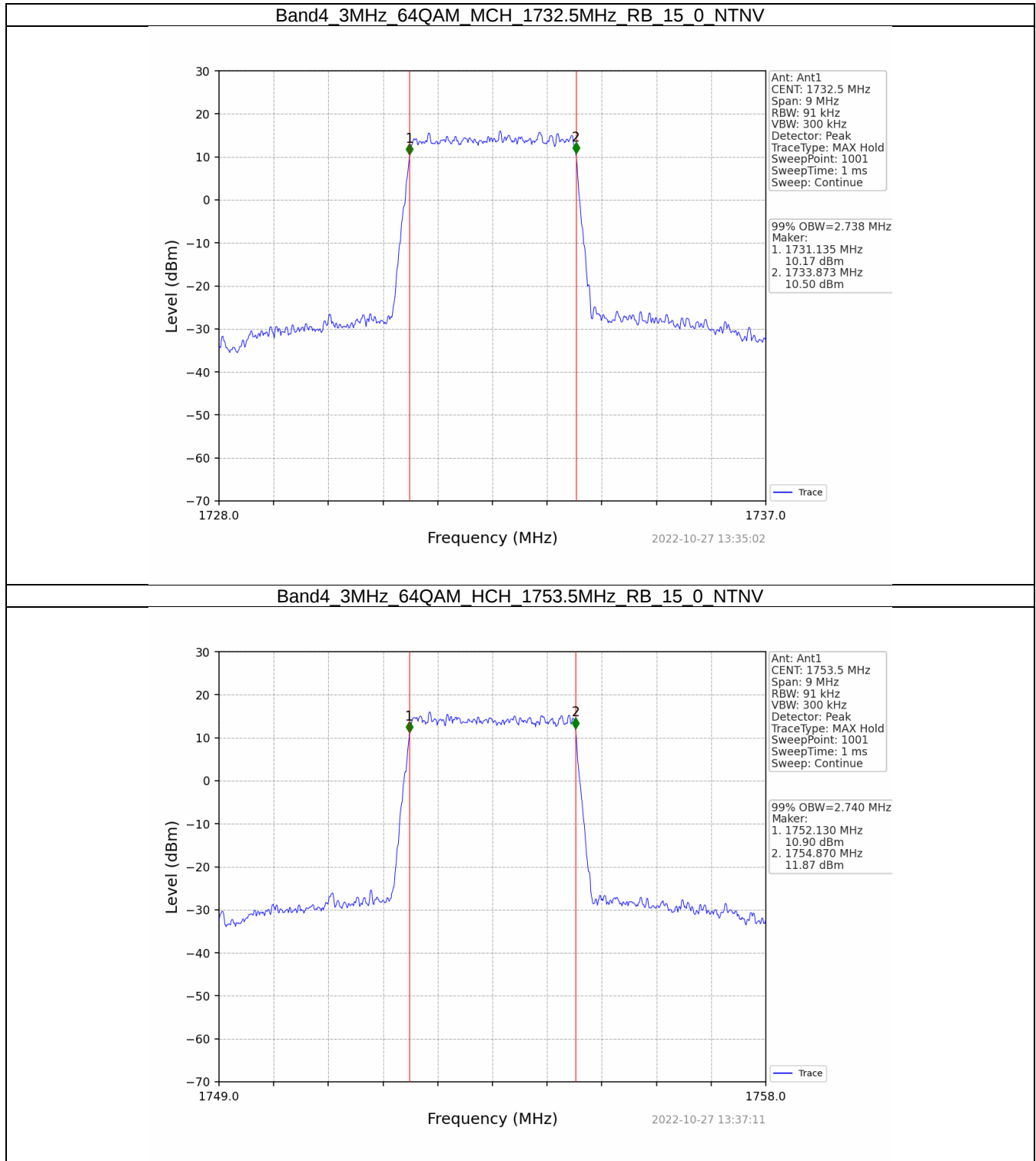


Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_6_0_NTNV



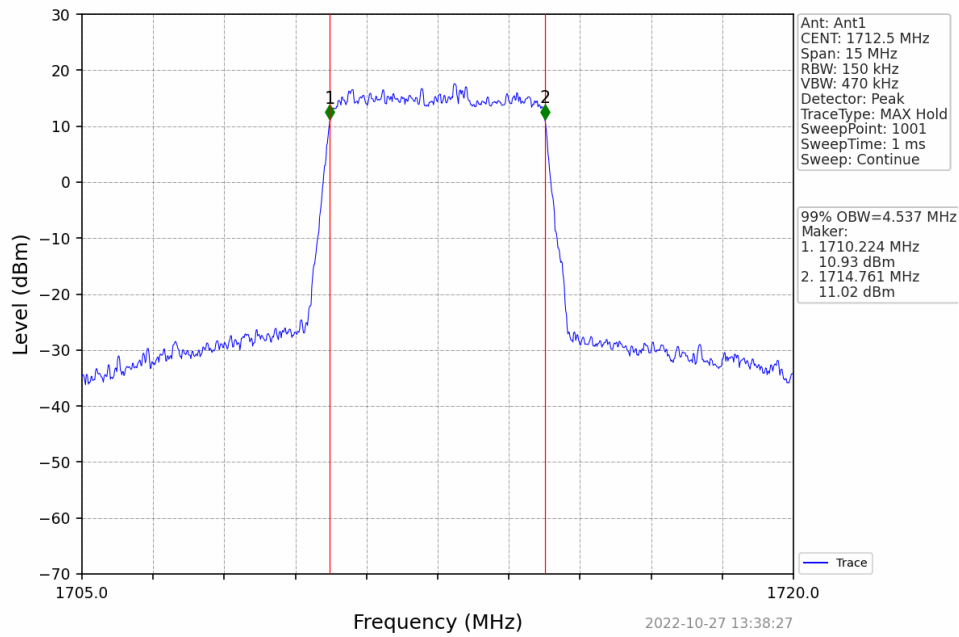
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



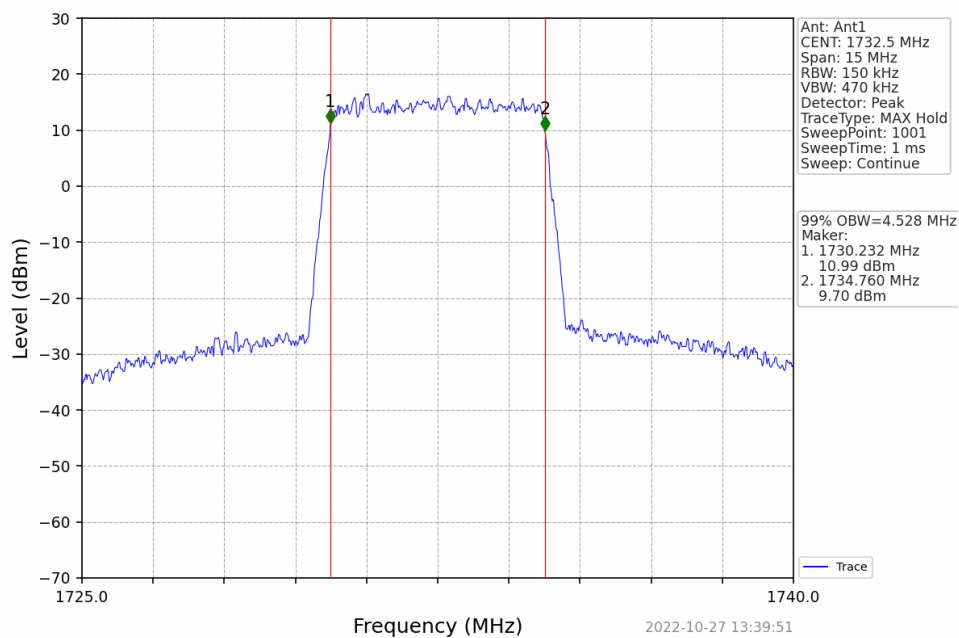


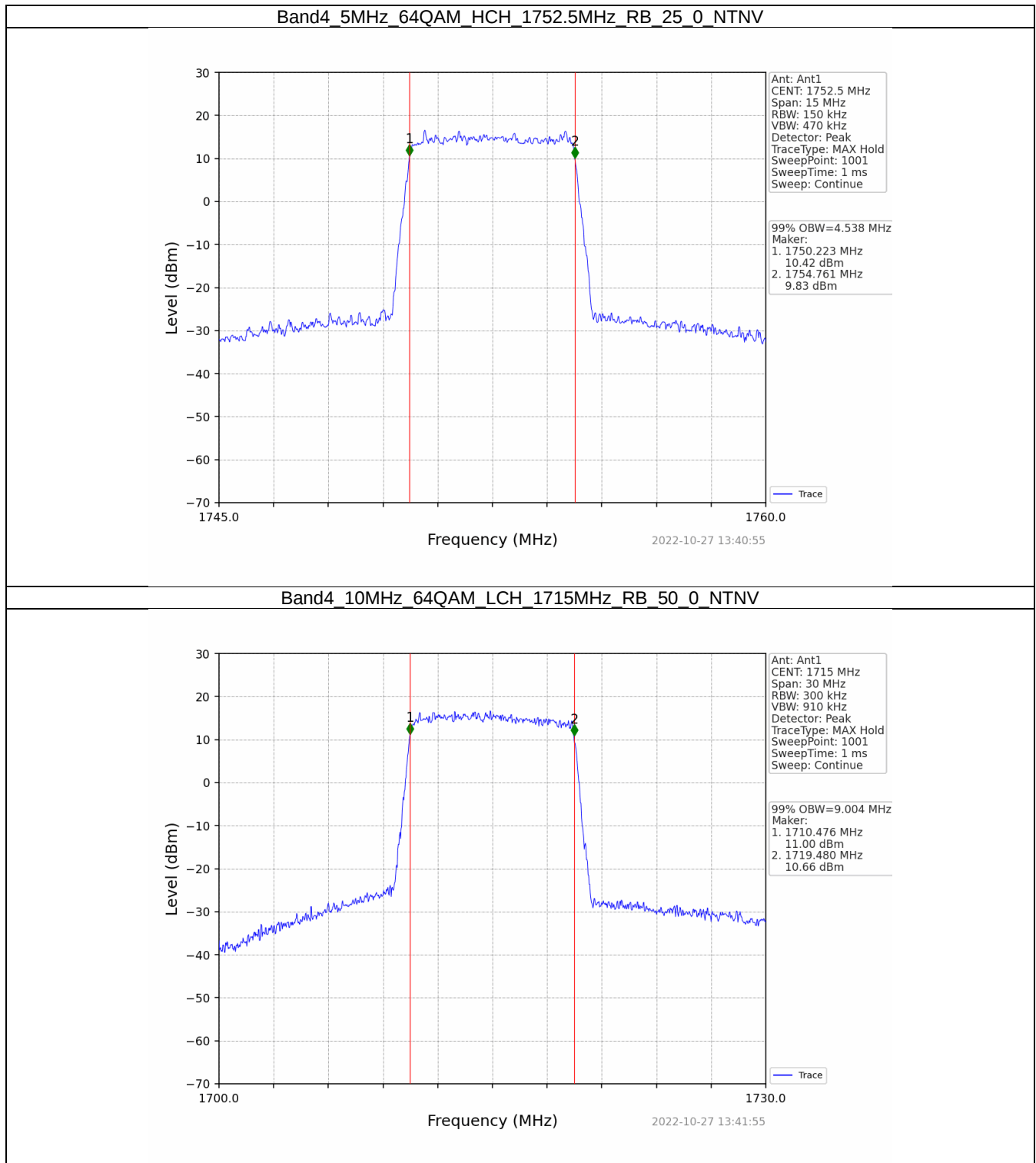


Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



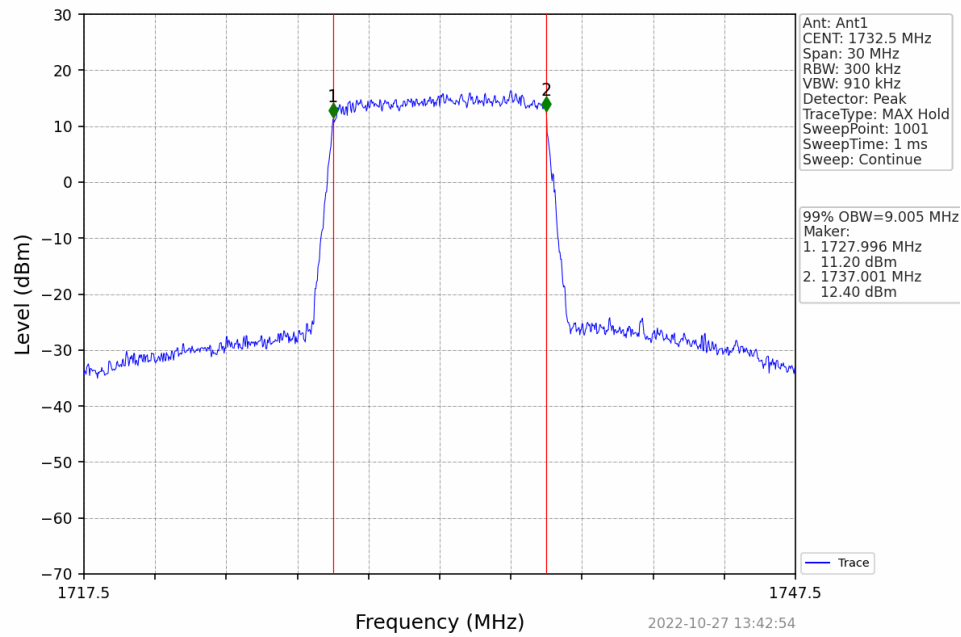
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV



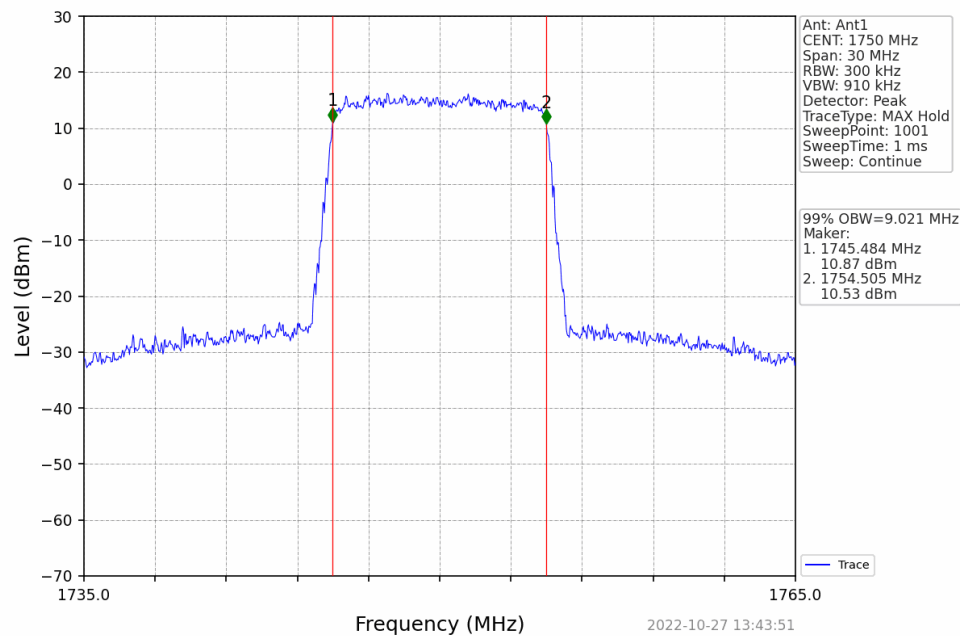




Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV

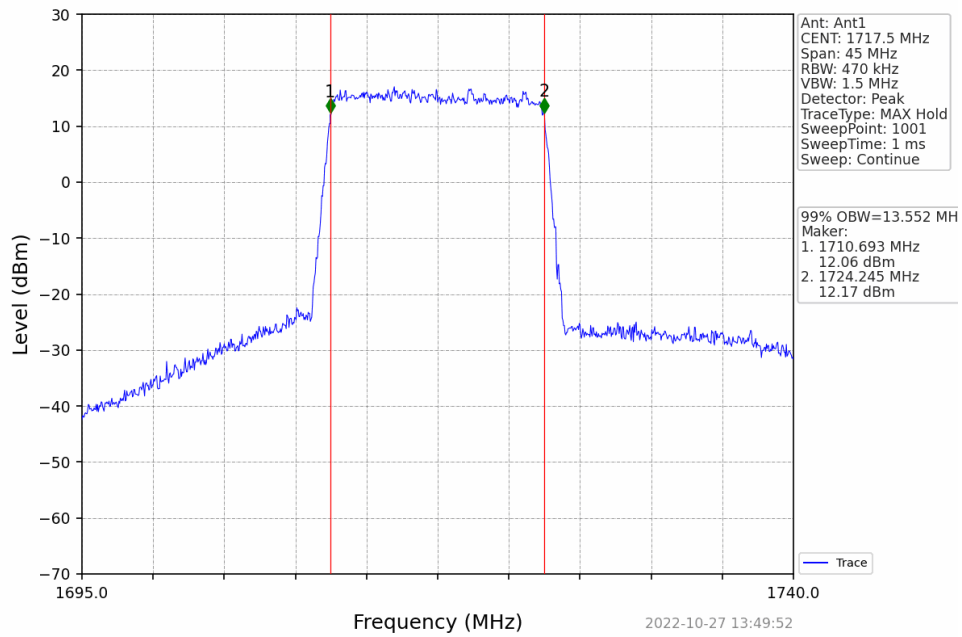


Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV

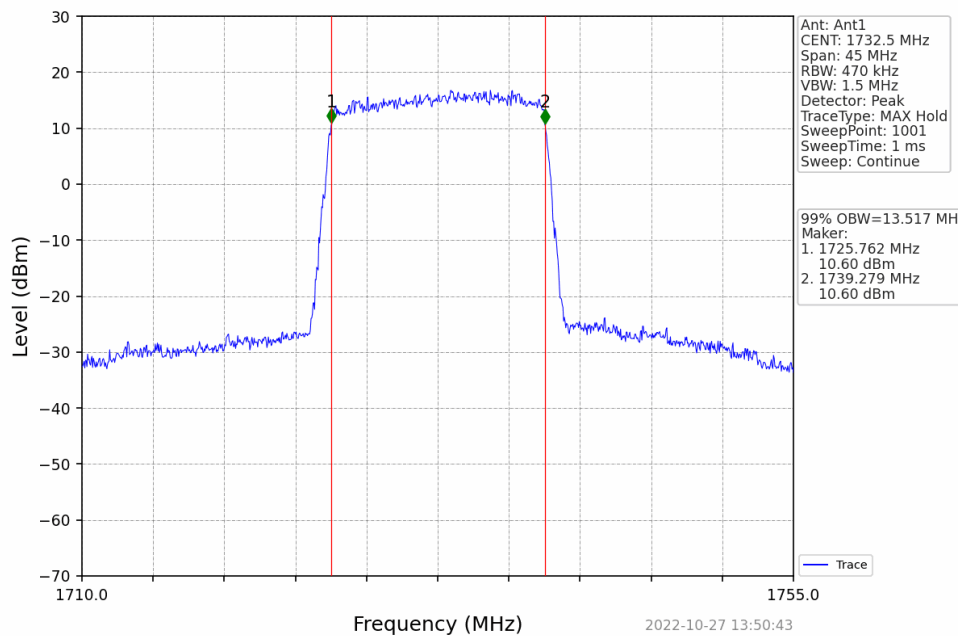




Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV

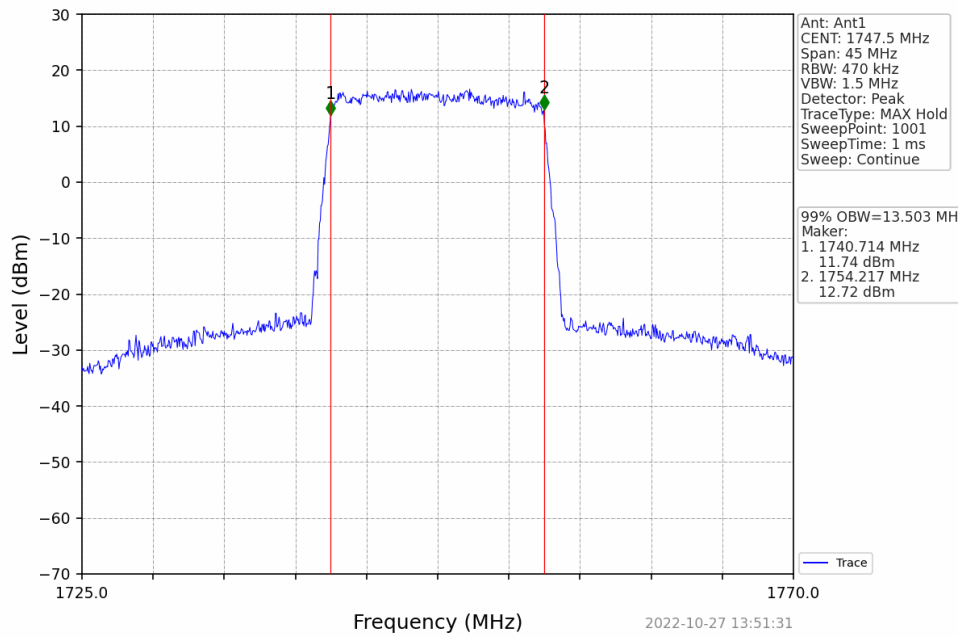


Band4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV

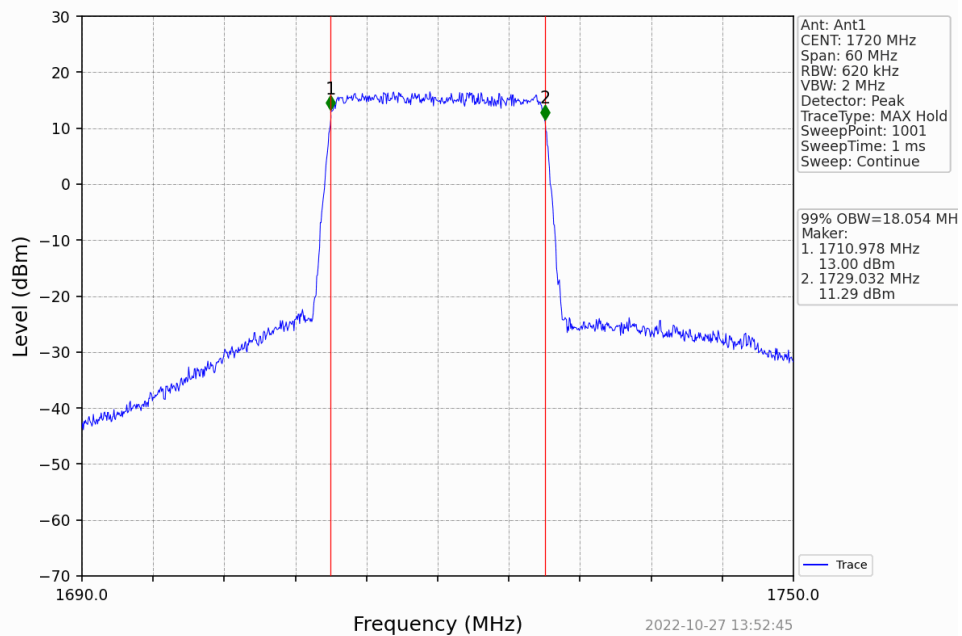




Band4_15MHz_64QAM_HCH_1747.5MHz_RB_75_0_NTNV

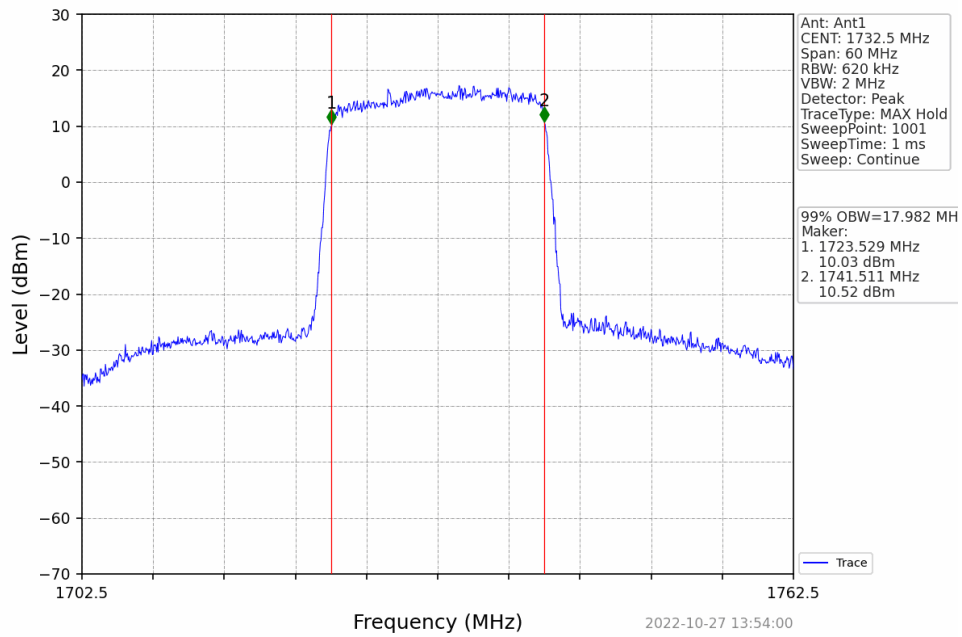


Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV

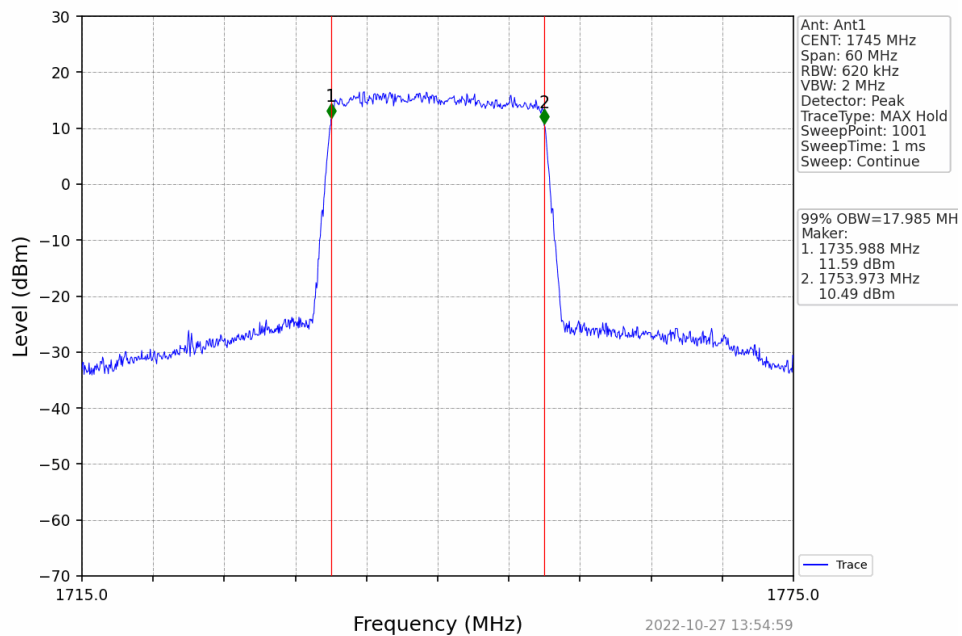




Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV

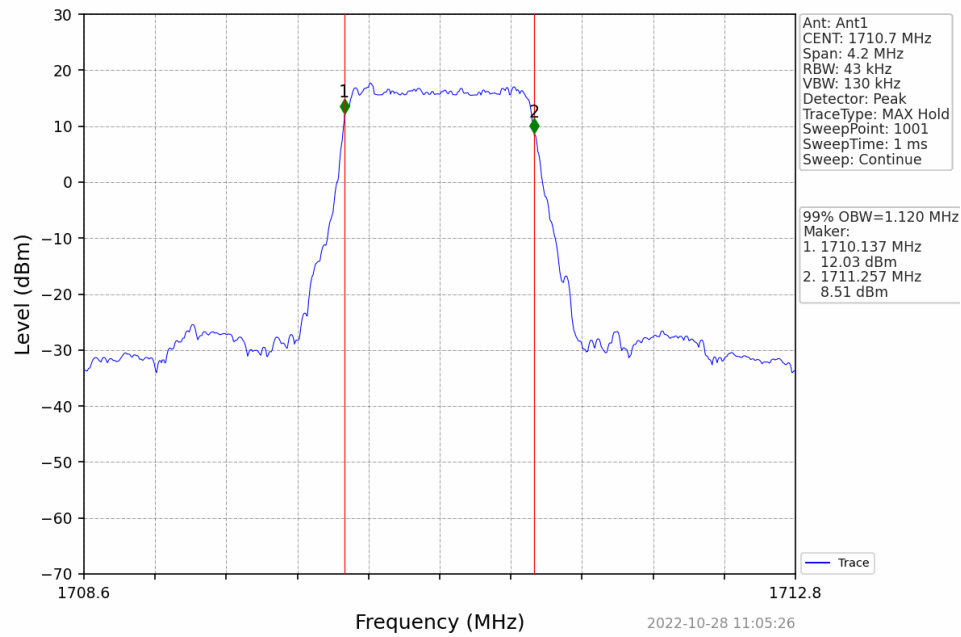


Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV

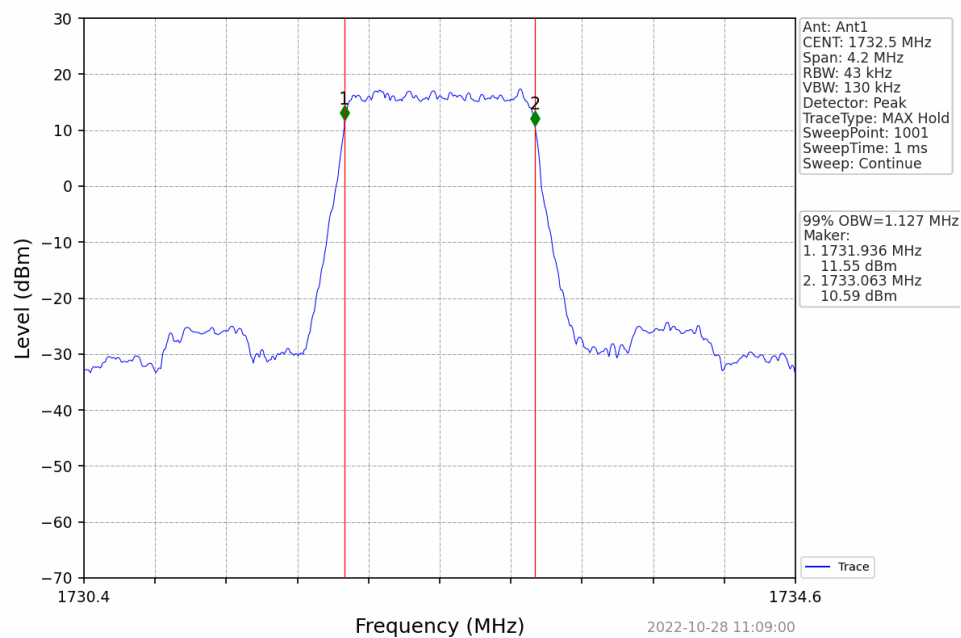




Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

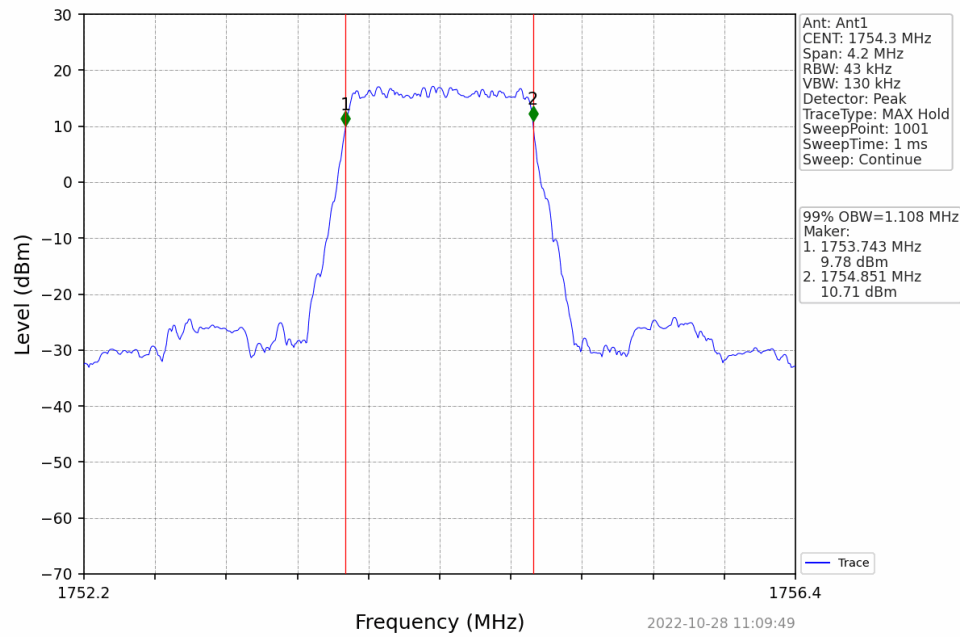


Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

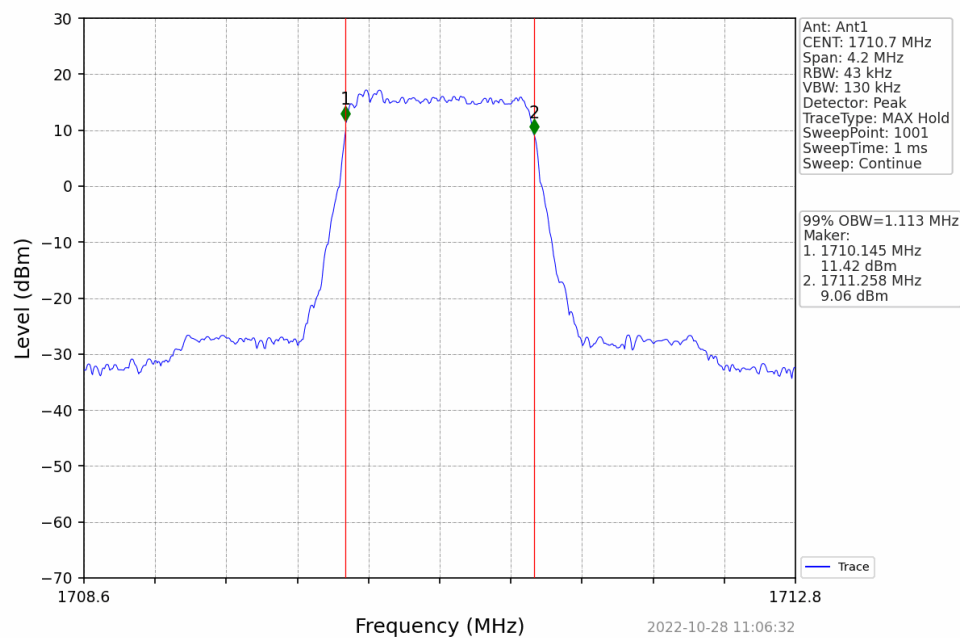




Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

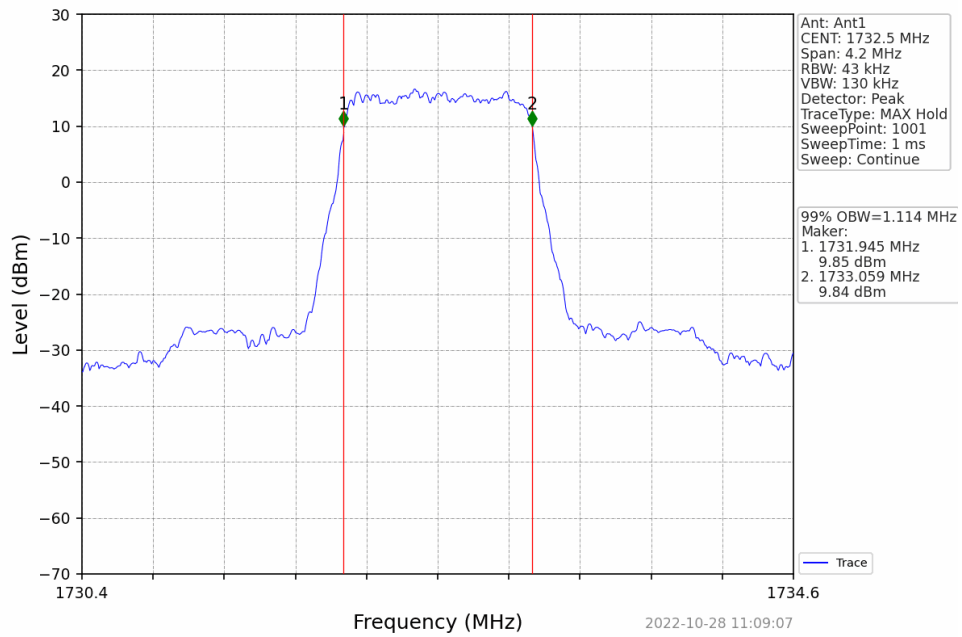


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

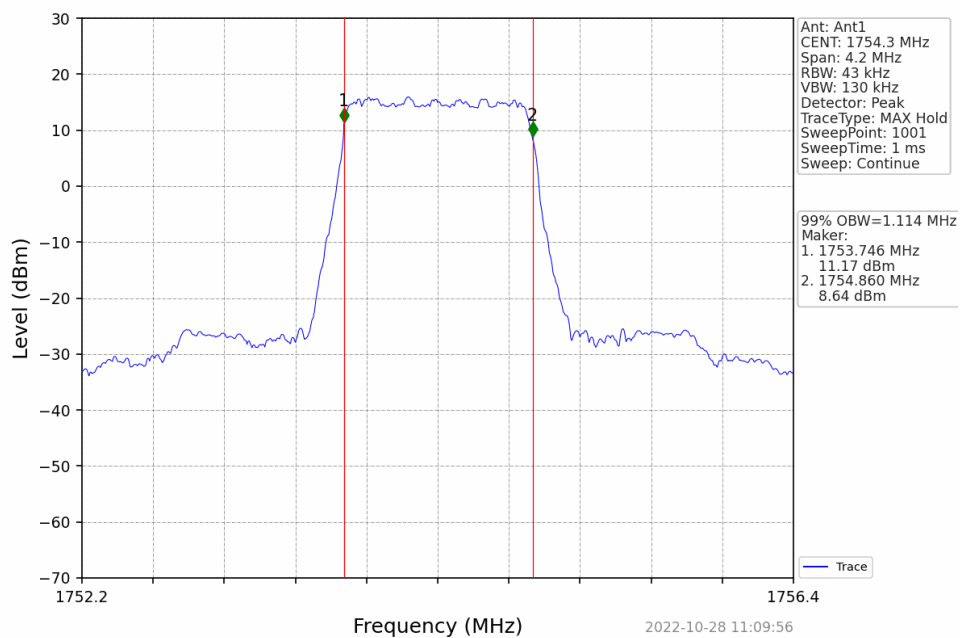




Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

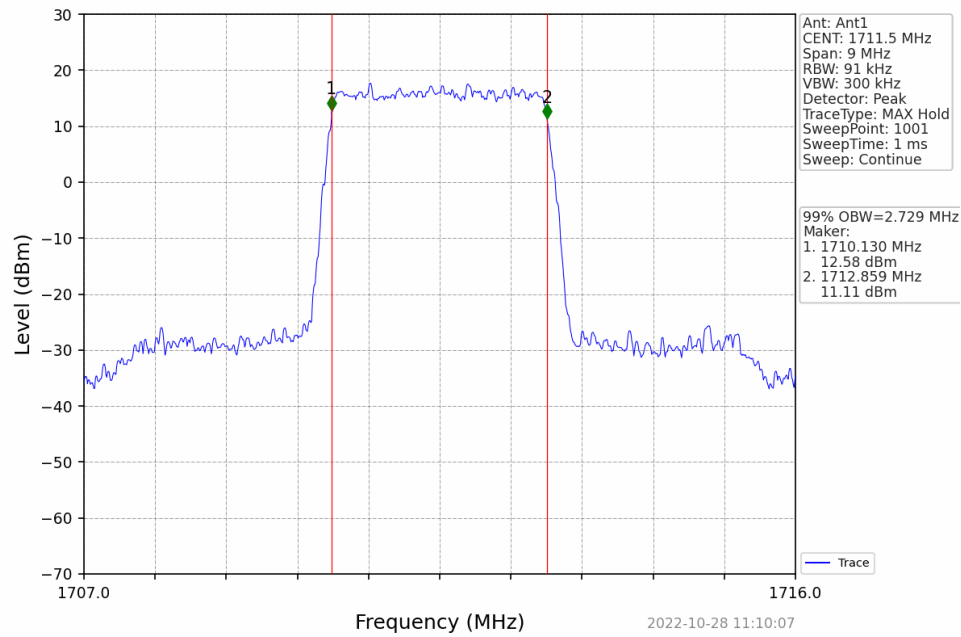


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

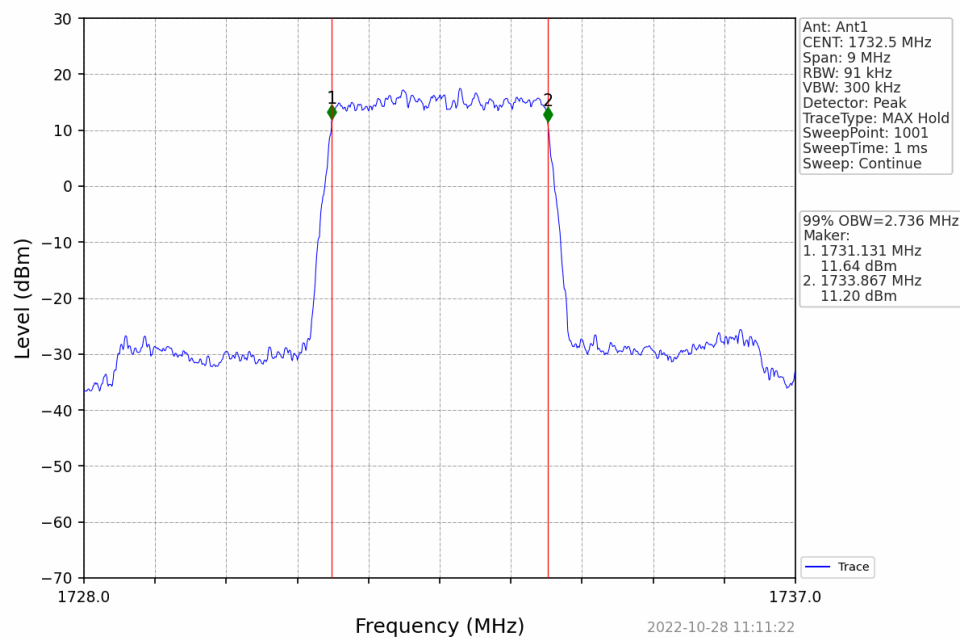




Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

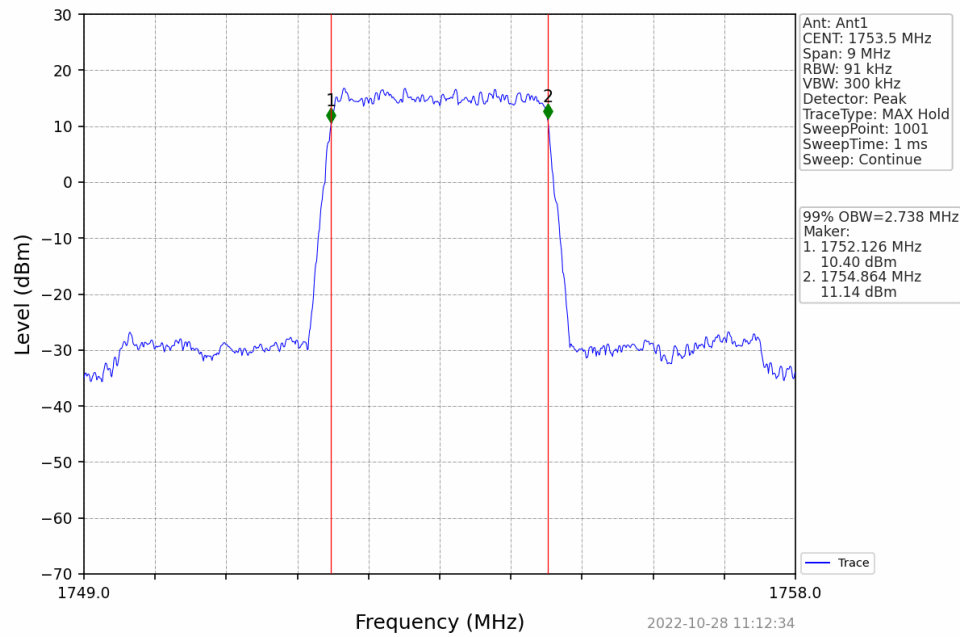


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

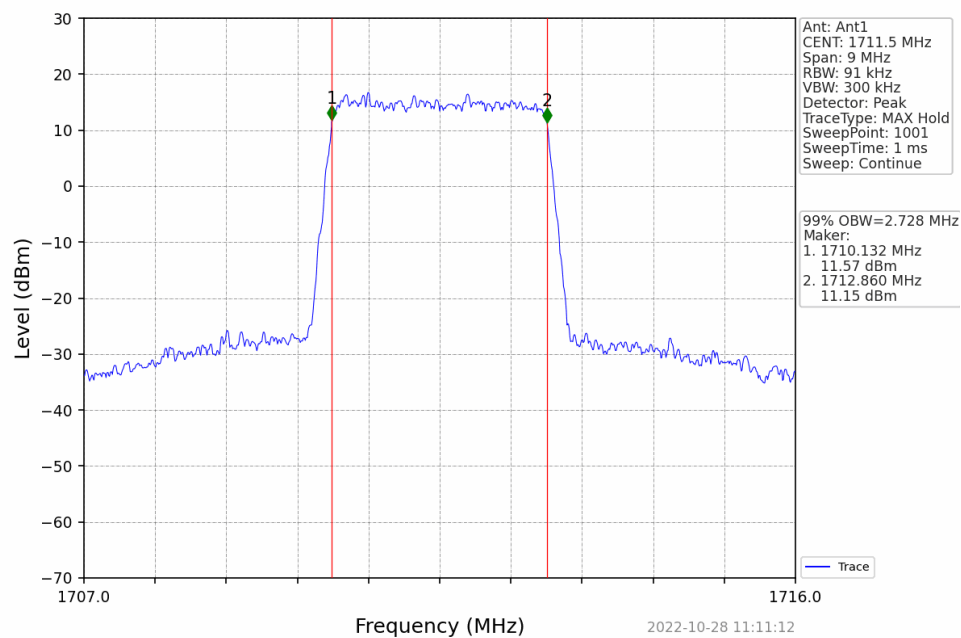




Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

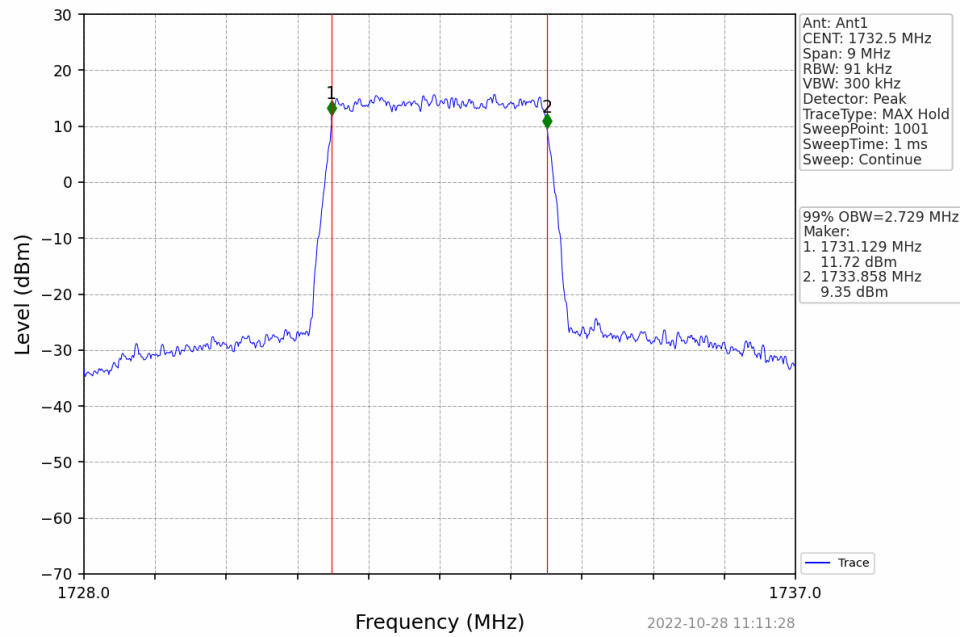


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

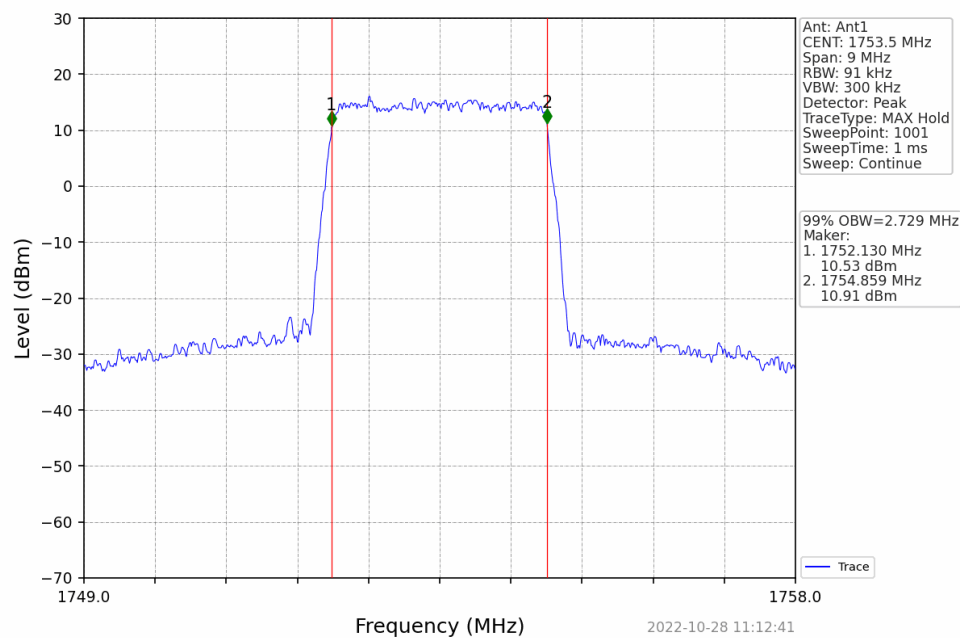




Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

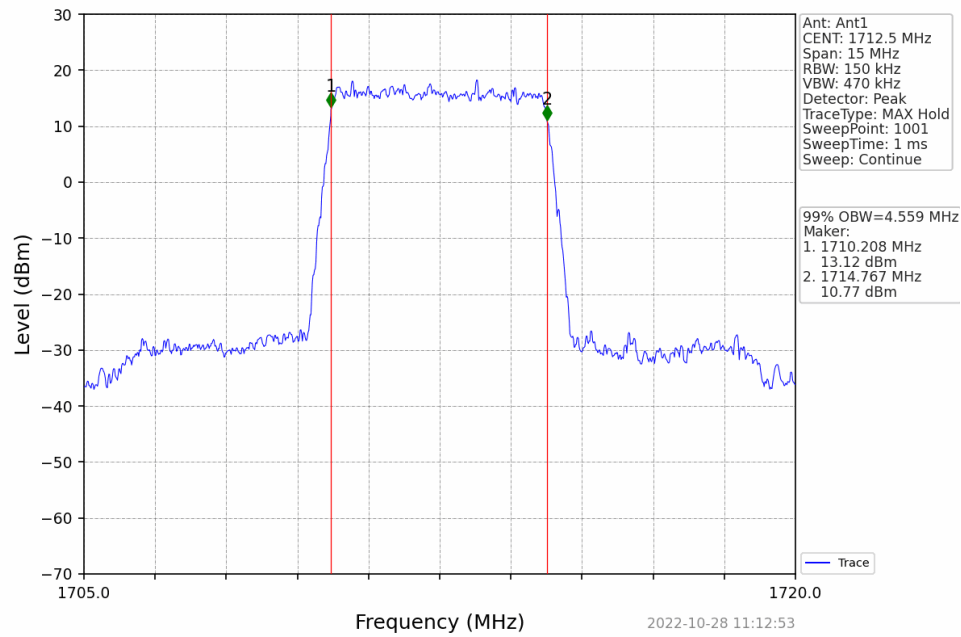


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

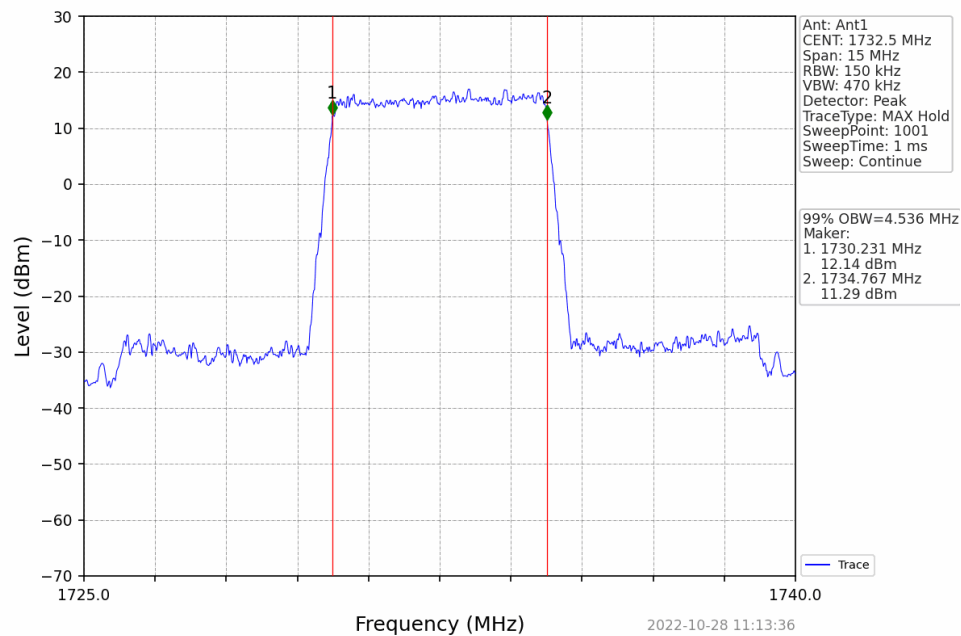




Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

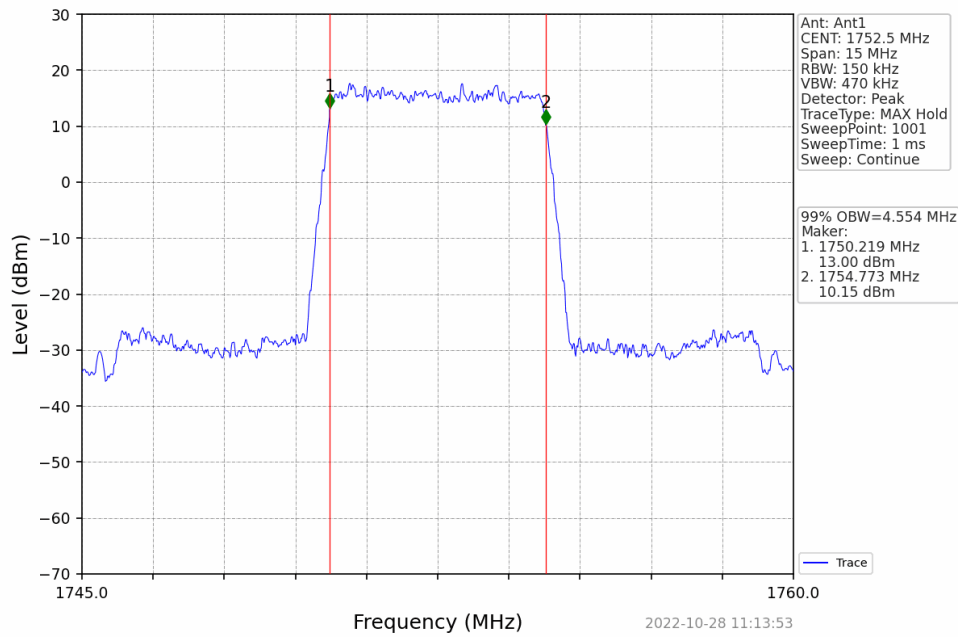


Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

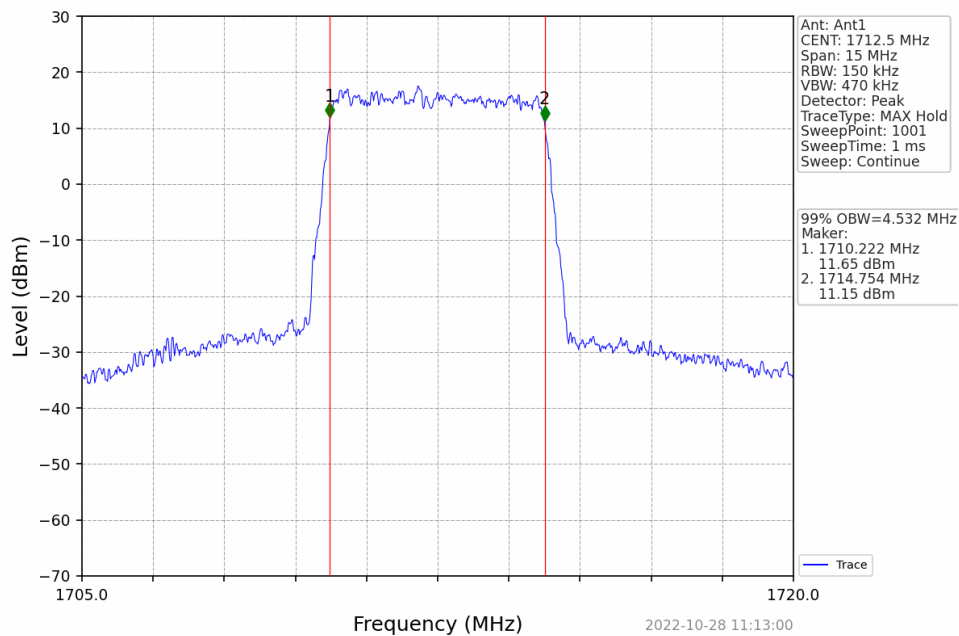




Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

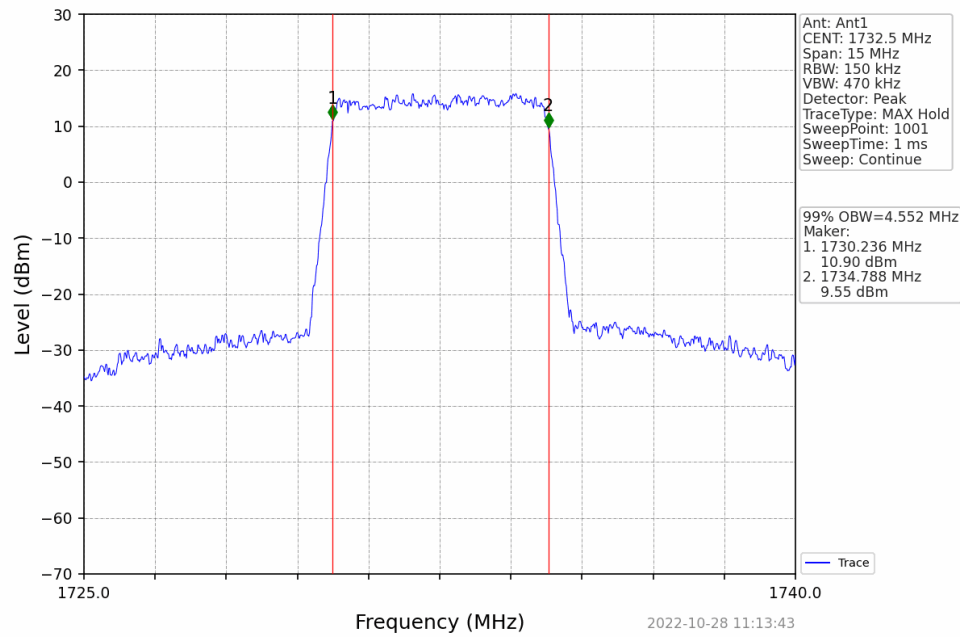


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

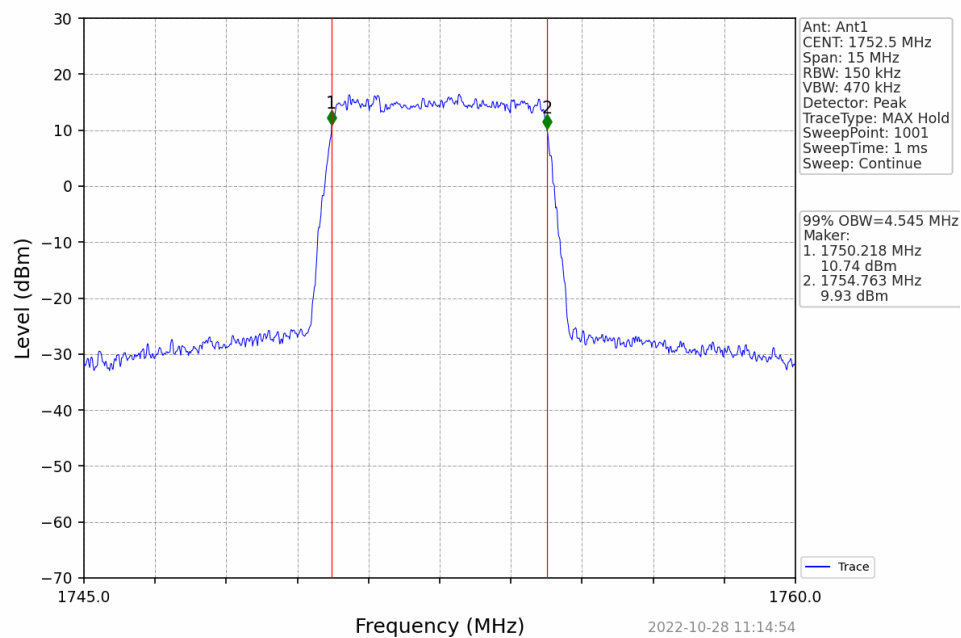




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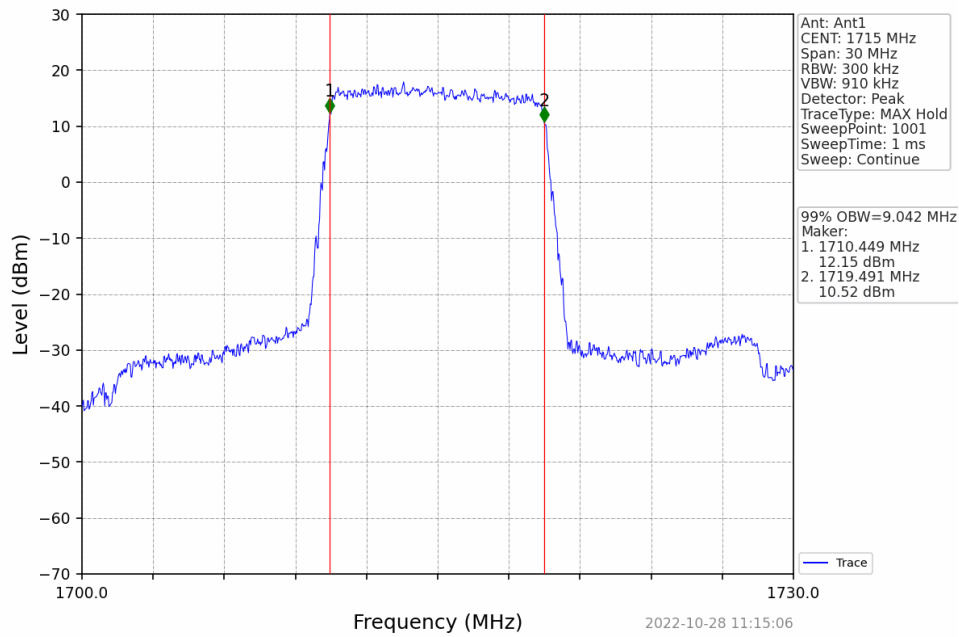


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

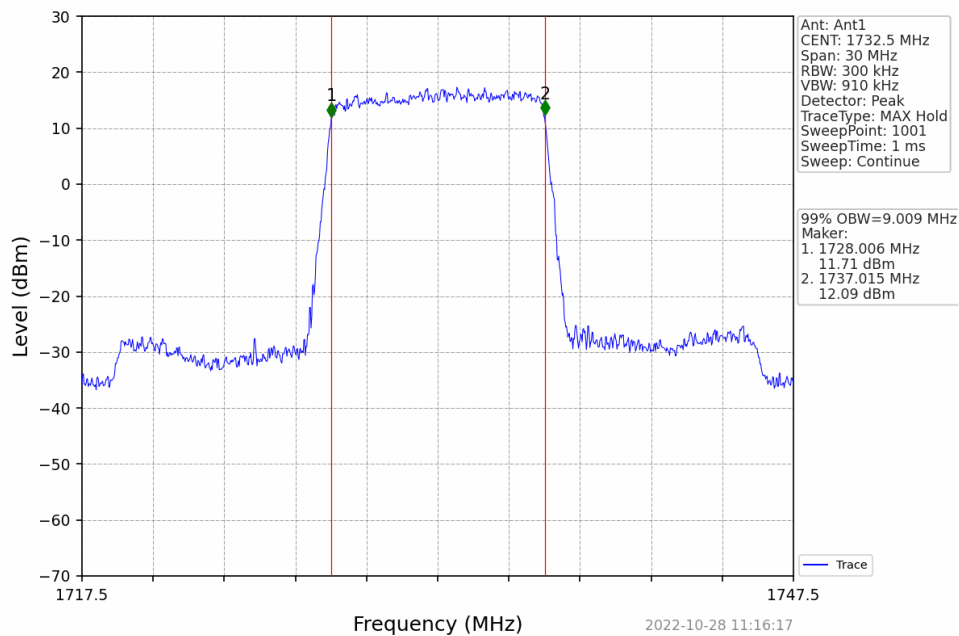




Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

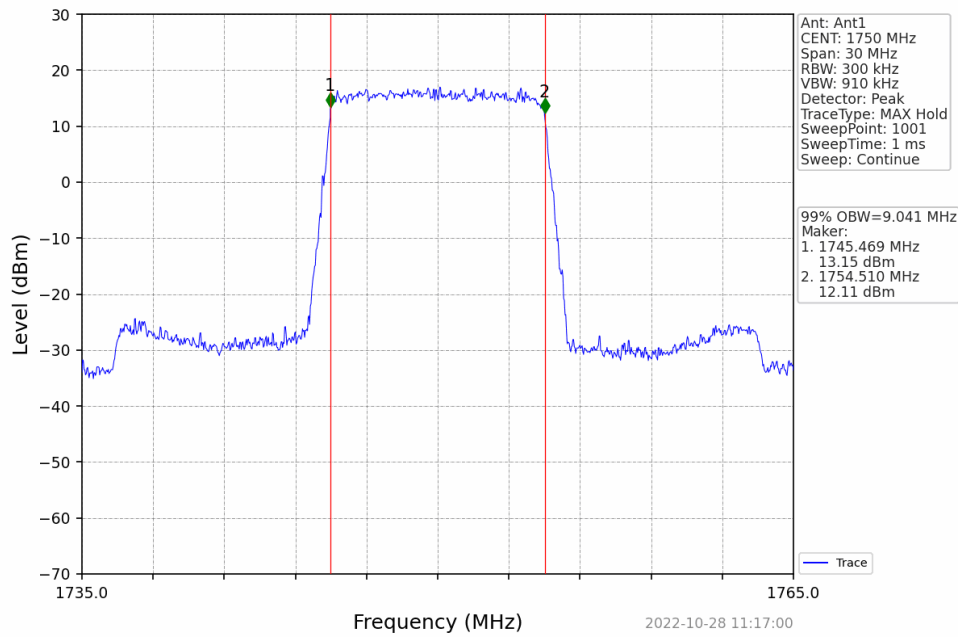


Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

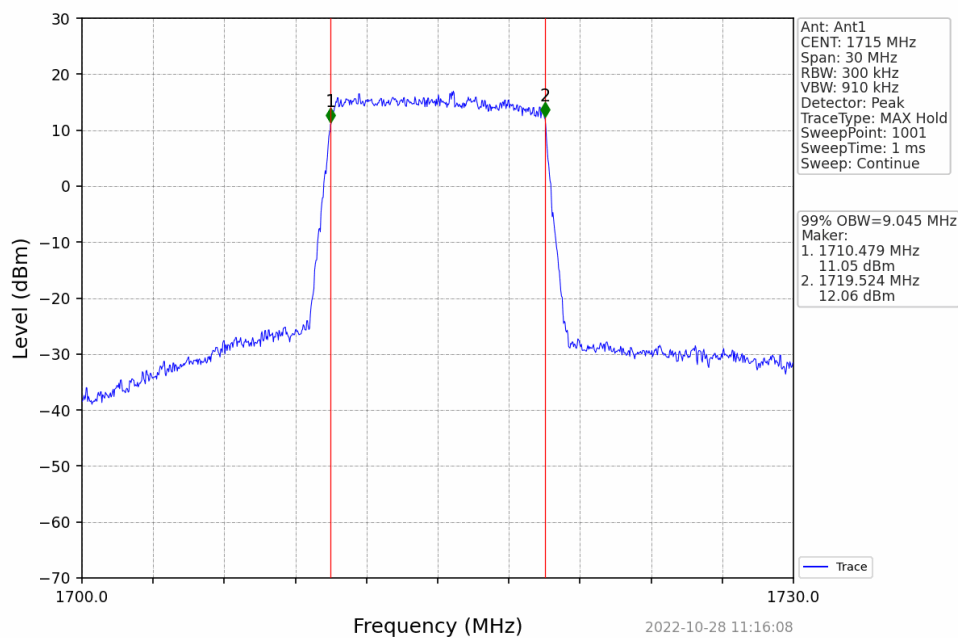




Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

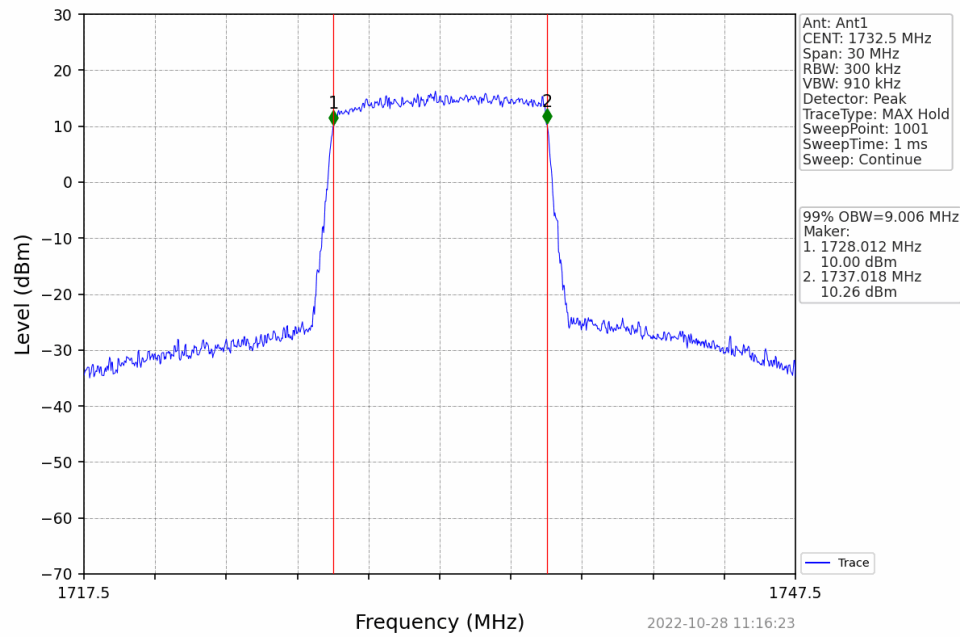


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

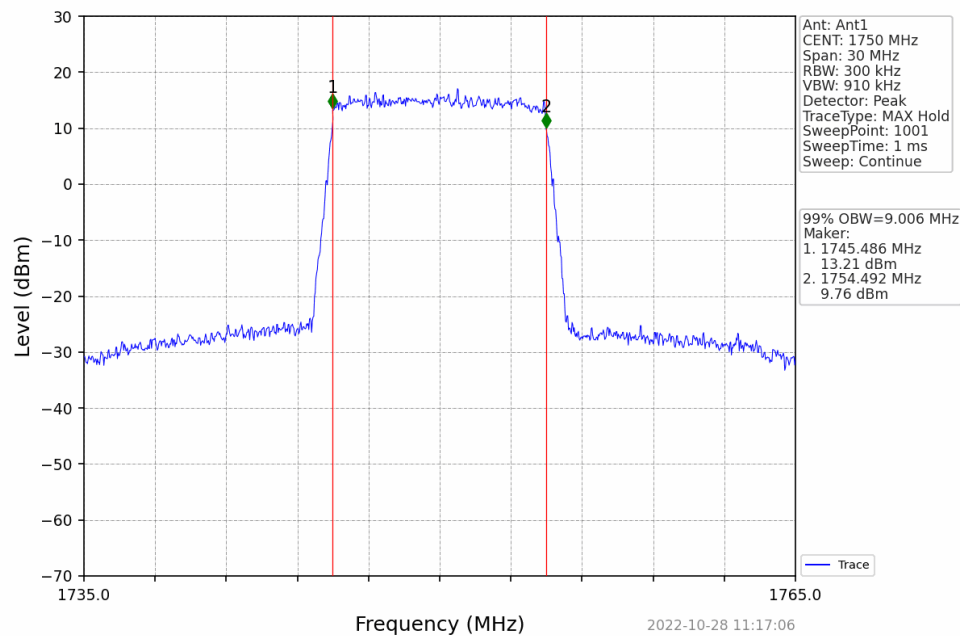




Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

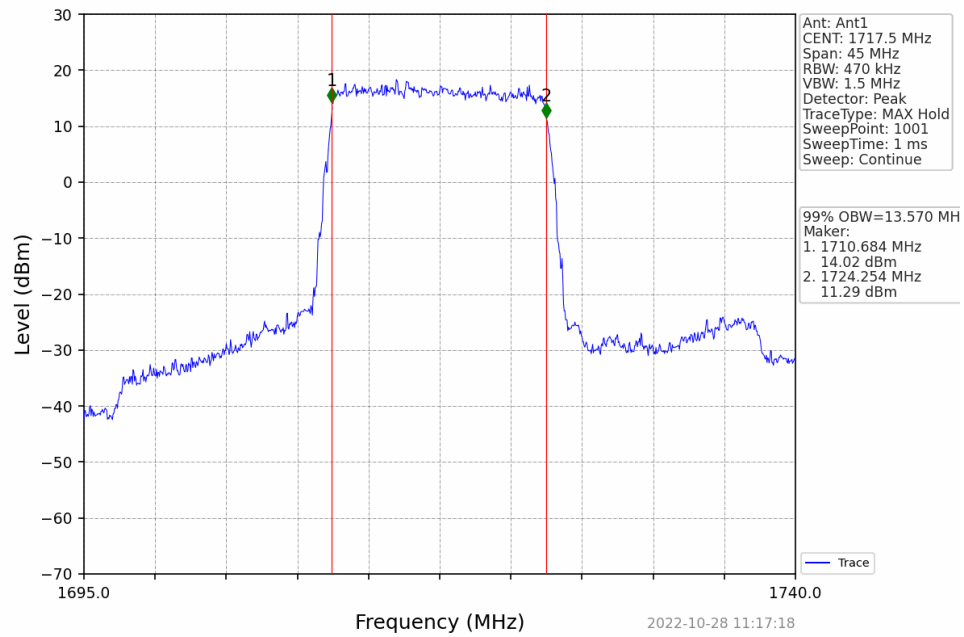


Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

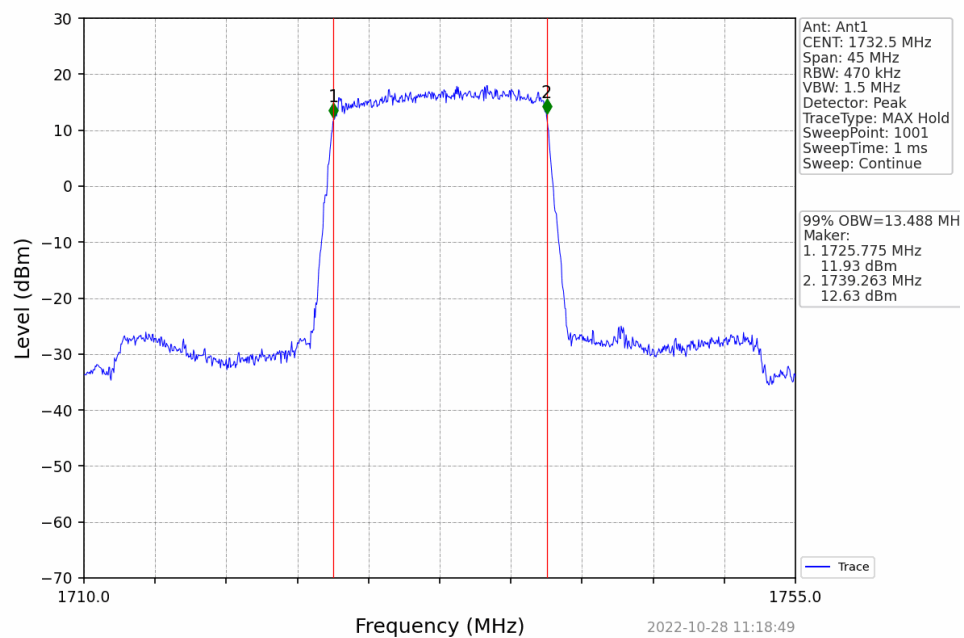




Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

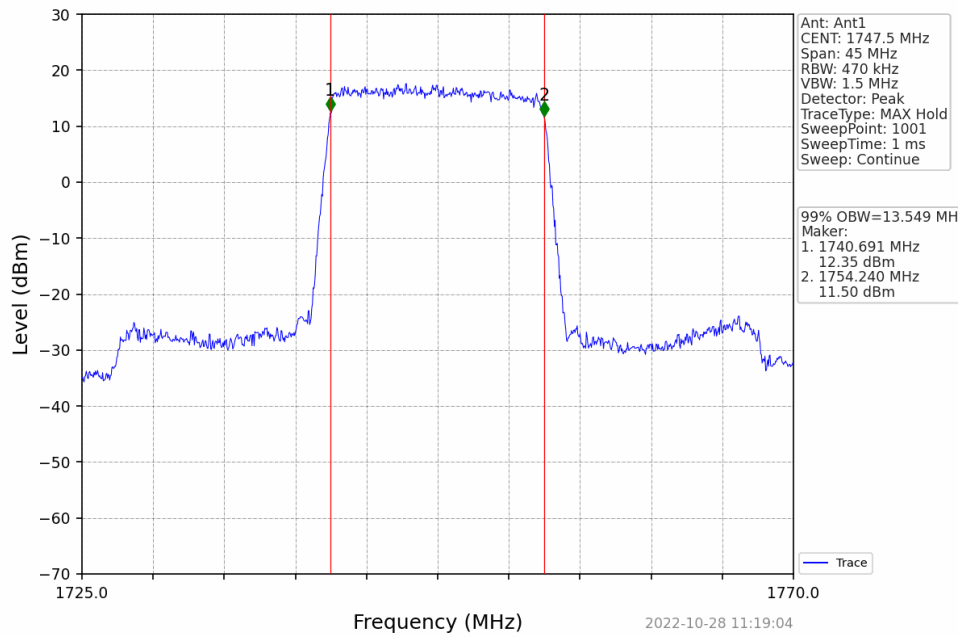


Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

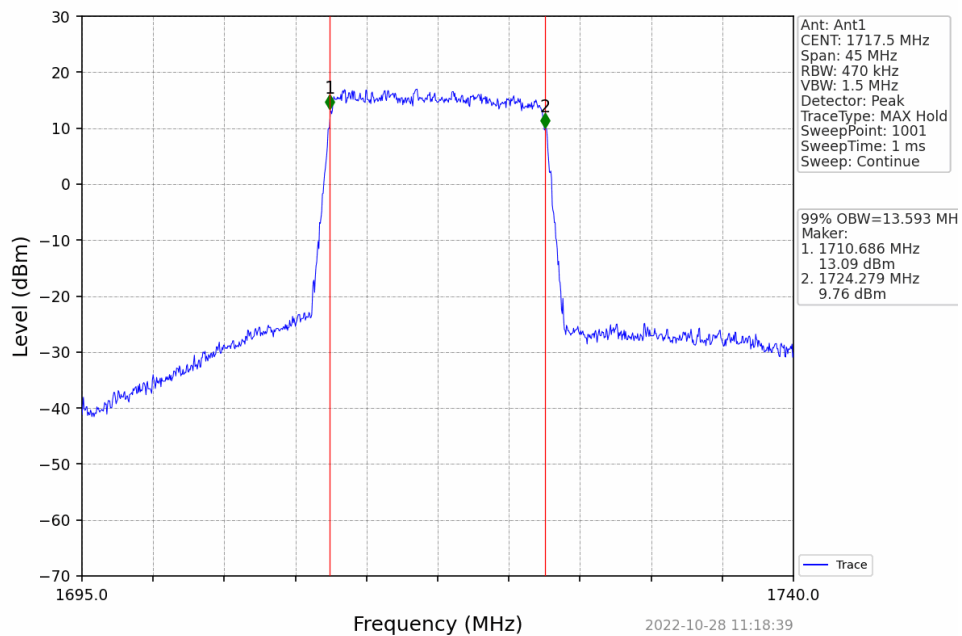




Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

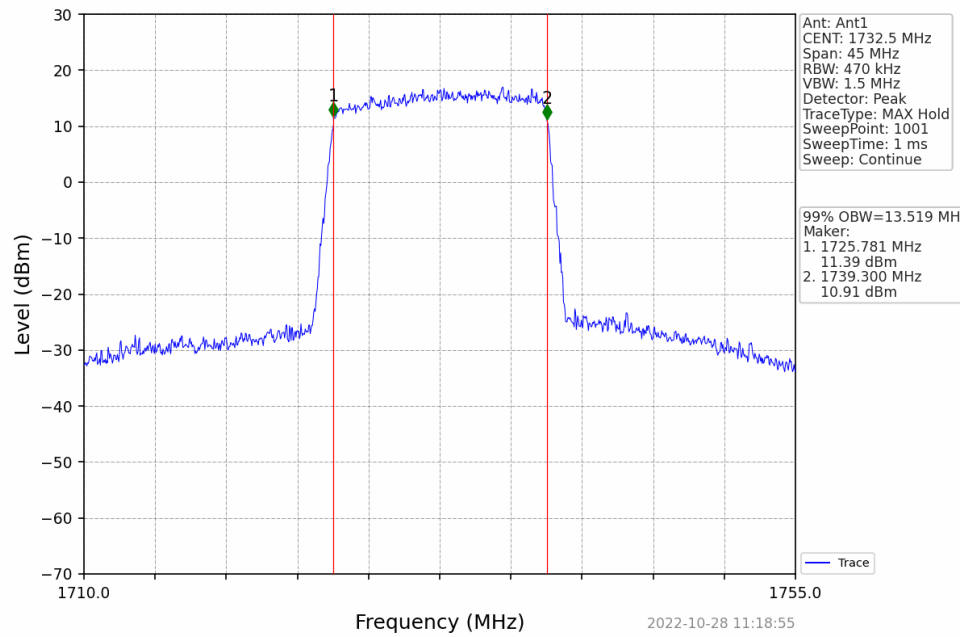


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

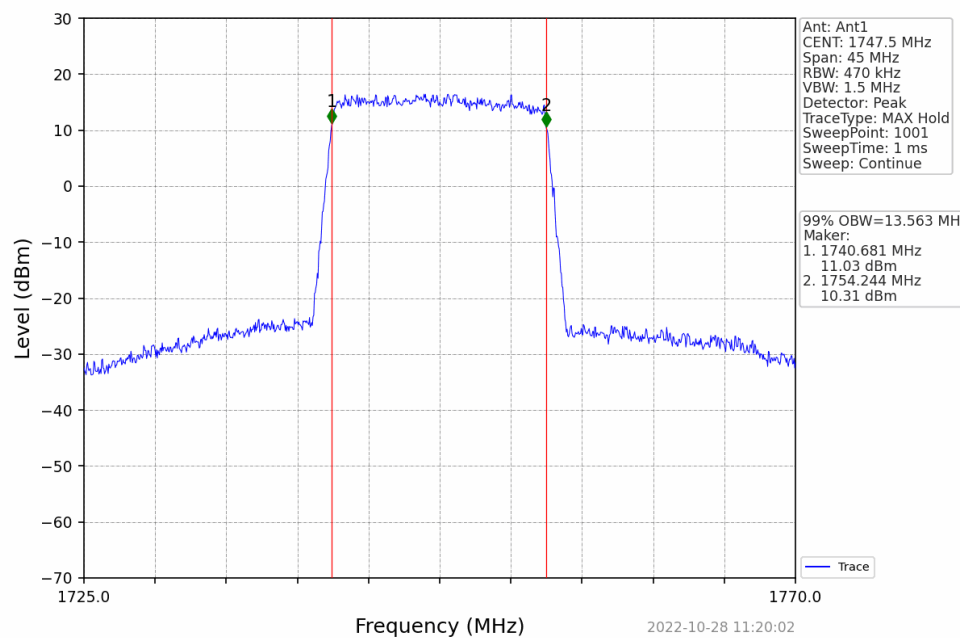




Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

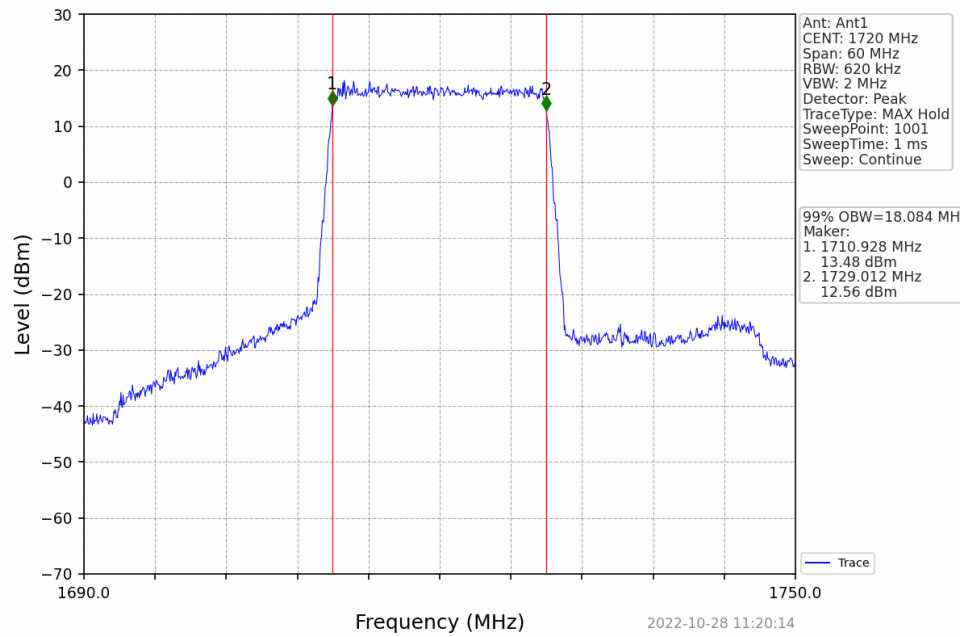


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

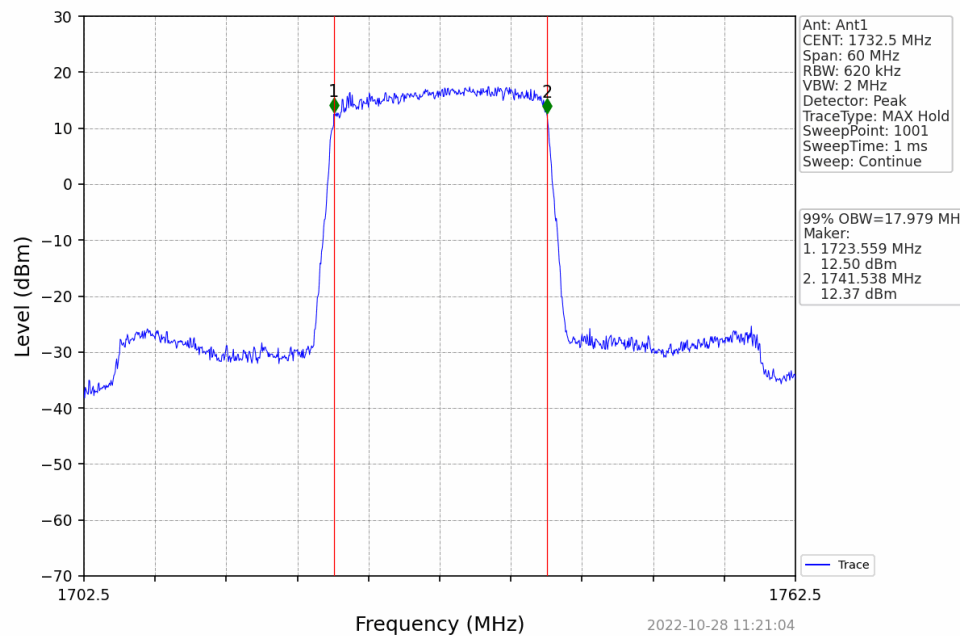




Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

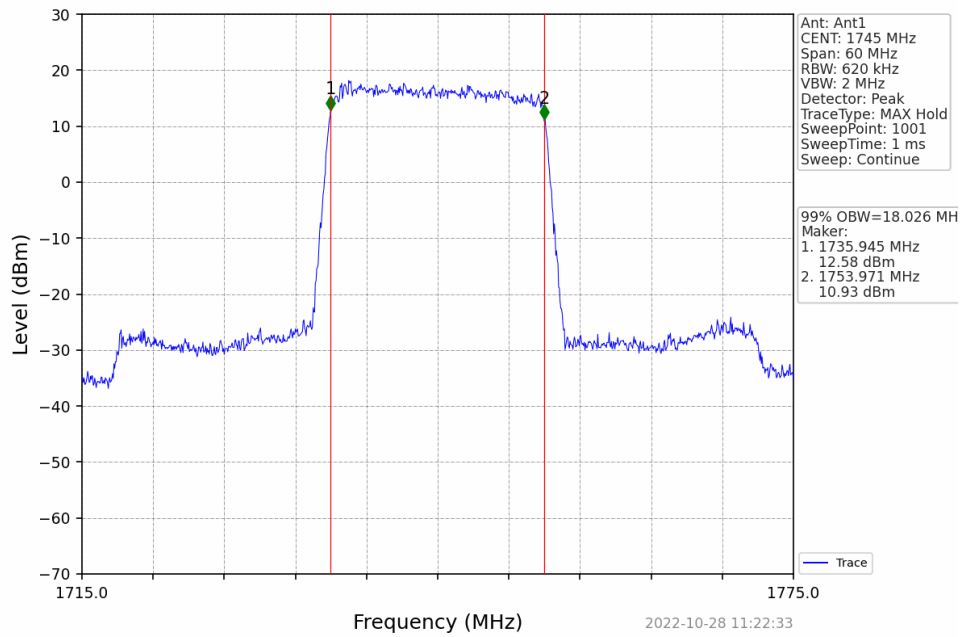


Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

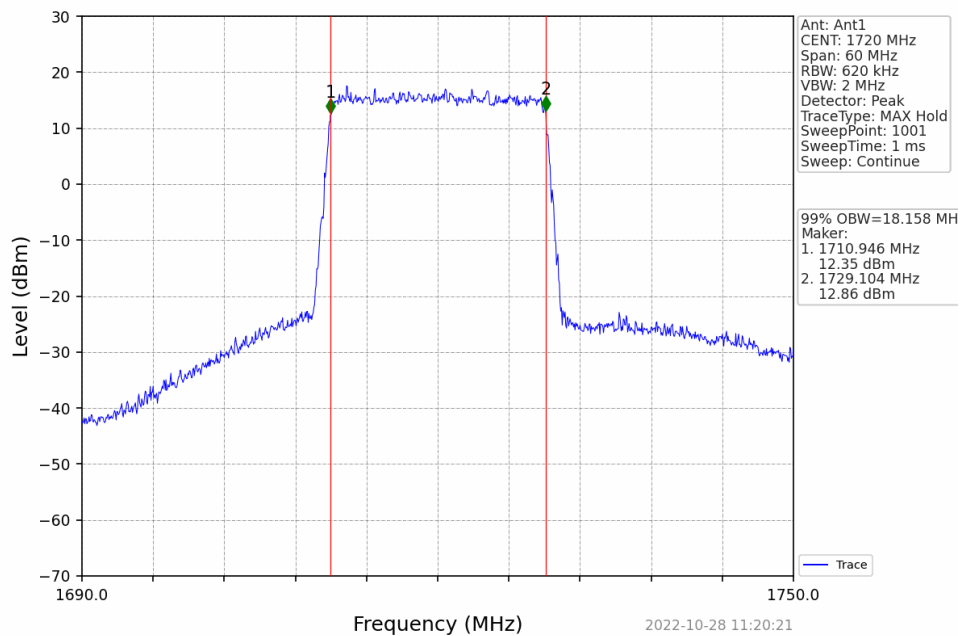




Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV

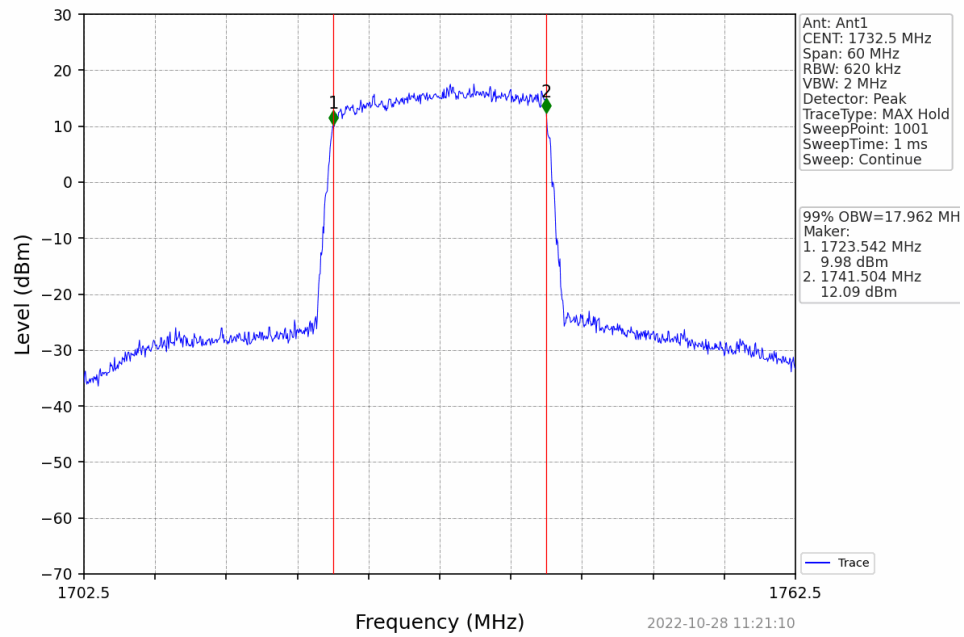


Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

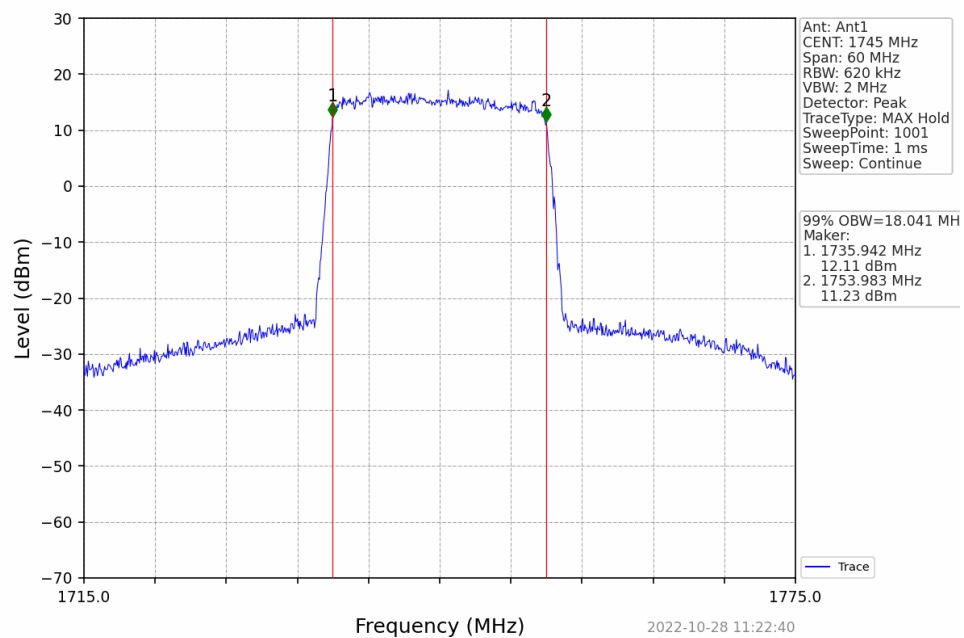




Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV





4.2 Band4_XDB

4.2.1 Test Result

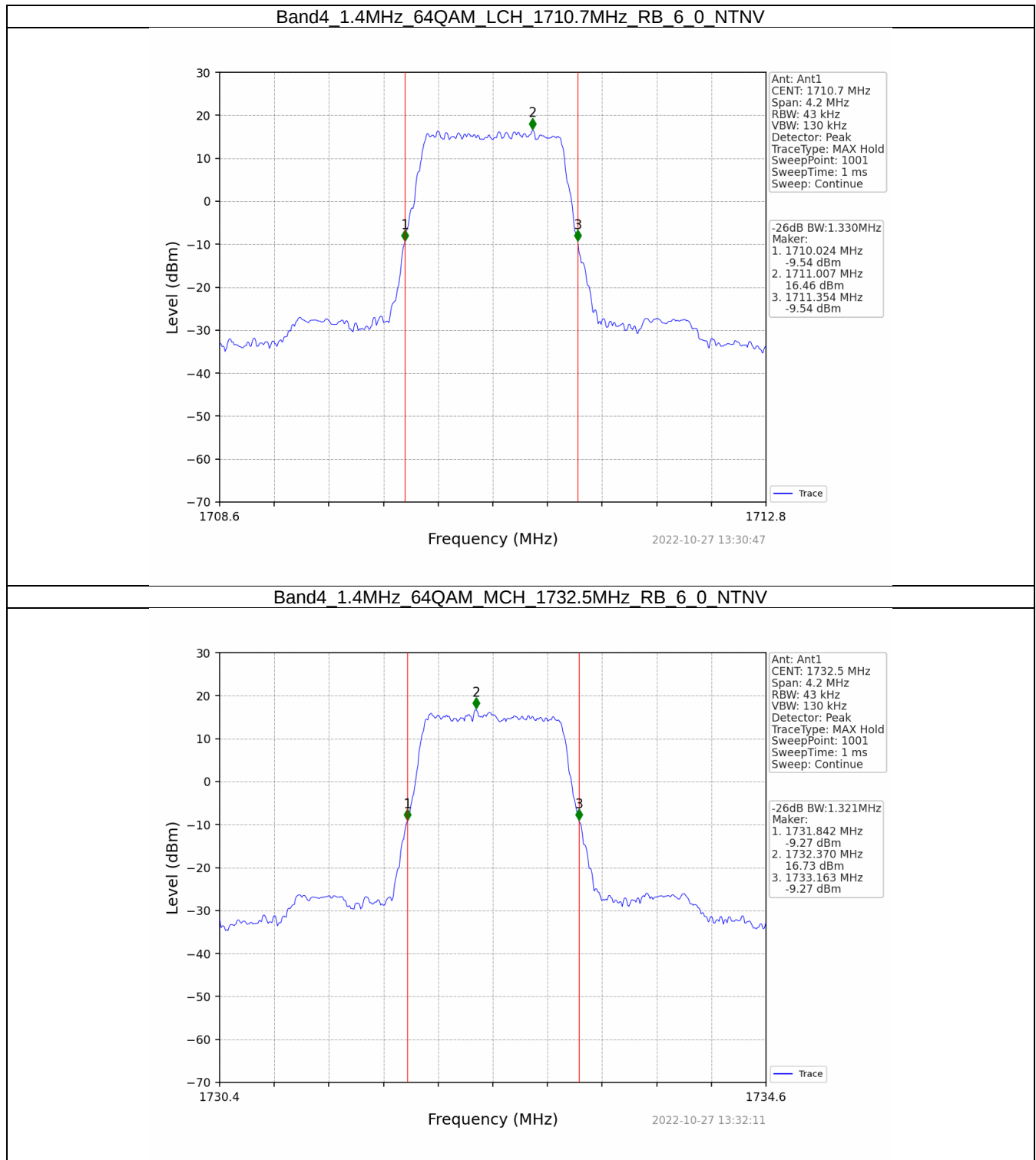
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	64QAM	1710.7	6	0	1.330	Pass
		1732.5	6	0	1.321	Pass
		1754.3	6	0	1.332	Pass
3	64QAM	1711.5	15	0	3.013	Pass
		1732.5	15	0	3.023	Pass
		1753.5	15	0	3.040	Pass
5	64QAM	1712.5	25	0	4.977	Pass
		1732.5	25	0	5.052	Pass
		1752.5	25	0	5.066	Pass
10	64QAM	1715	50	0	9.886	Pass
		1732.5	50	0	9.979	Pass
		1750	50	0	9.915	Pass
15	64QAM	1717.5	75	0	14.952	Pass
		1732.5	75	0	14.920	Pass
		1747.5	75	0	14.974	Pass
20	64QAM	1720	100	0	19.859	Pass
		1732.5	100	0	19.729	Pass
		1745	100	0	19.744	Pass
1.4	QPSK	1710.7	6	0	1.325	Pass
		1732.5	6	0	1.319	Pass
		1754.3	6	0	1.321	Pass
	16QAM	1710.7	6	0	1.307	Pass
		1732.5	6	0	1.329	Pass
		1754.3	6	0	1.312	Pass
3	QPSK	1711.5	15	0	3.036	Pass
		1732.5	15	0	3.043	Pass
		1753.5	15	0	3.051	Pass
	16QAM	1711.5	15	0	3.041	Pass
		1732.5	15	0	3.073	Pass
		1753.5	15	0	3.056	Pass
5	QPSK	1712.5	25	0	5.093	Pass
		1732.5	25	0	5.050	Pass
		1752.5	25	0	5.113	Pass
	16QAM	1712.5	25	0	5.037	Pass
		1732.5	25	0	5.079	Pass
		1752.5	25	0	5.110	Pass
10	QPSK	1715	50	0	10.004	Pass
		1732.5	50	0	9.951	Pass
		1750	50	0	10.049	Pass
	16QAM	1715	50	0	10.009	Pass
		1732.5	50	0	9.967	Pass
		1750	50	0	9.934	Pass
15	QPSK	1717.5	75	0	14.895	Pass
		1732.5	75	0	14.877	Pass
		1747.5	75	0	14.990	Pass
	16QAM	1717.5	75	0	14.959	Pass



		1732.5	75	0	14.883	Pass
		1747.5	75	0	14.978	Pass
20	QPSK	1720	100	0	19.855	Pass
		1732.5	100	0	19.736	Pass
		1745	100	0	19.776	Pass
		1720	100	0	19.792	Pass
	16QAM	1732.5	100	0	19.637	Pass
		1745	100	0	19.730	Pass

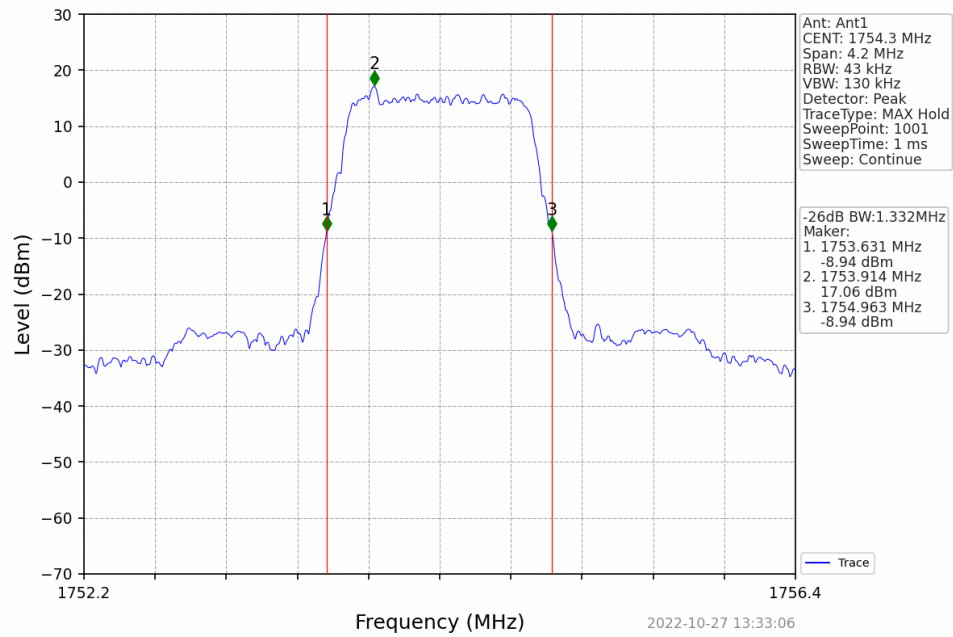


4.2.2 Test Graph

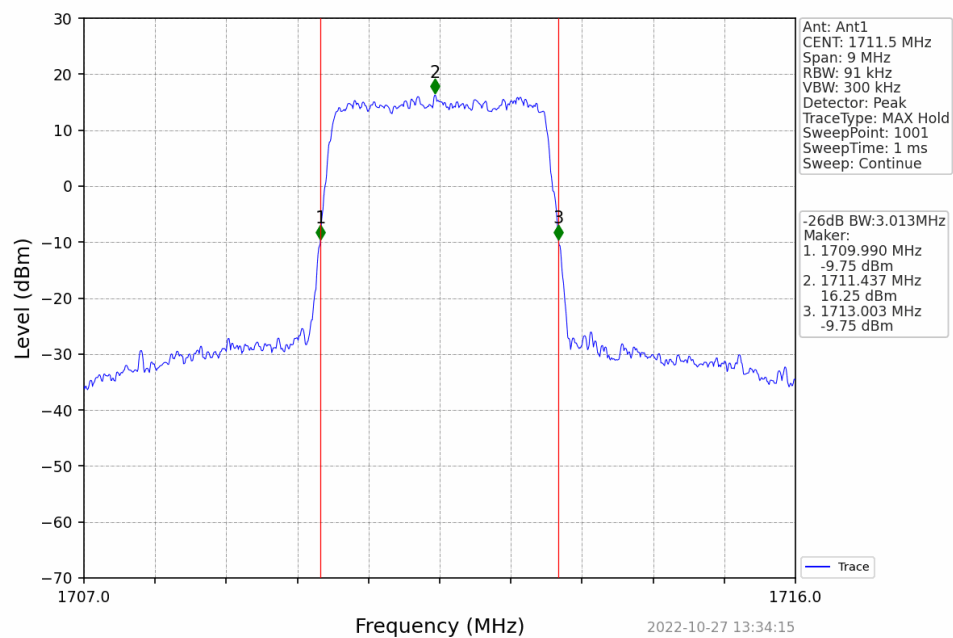




Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_6_0_NTNV

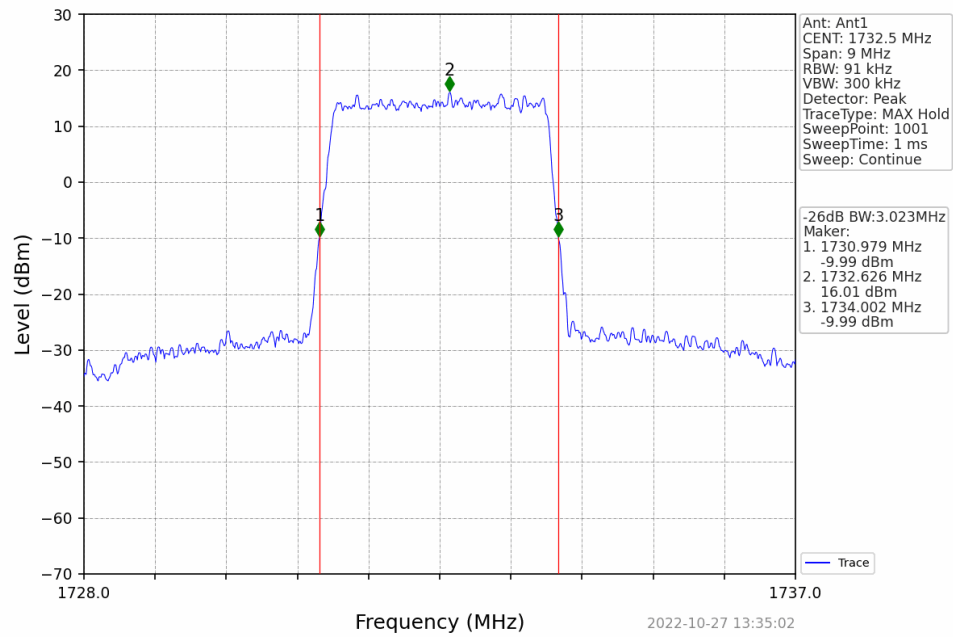


Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV





Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_64QAM_HCH_1753.5MHz_RB_15_0_NTNV

