

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	24.60	-3.50	21.10	<=30	Pass
			2	24.58	-3.50	21.08	<=30	Pass
			5	24.60	-3.50	21.10	<=30	Pass
		3	0	24.61	-3.50	21.11	<=30	Pass
			2	24.62	-3.50	21.12	<=30	Pass
			3	24.63	-3.50	21.13	<=30	Pass
		6	0	23.59	-3.50	20.09	<=30	Pass
	1732.5	1	0	24.59	-3.50	21.09	<=30	Pass
			2	24.58	-3.50	21.08	<=30	Pass
			5	24.57	-3.50	21.07	<=30	Pass
		3	0	24.58	-3.50	21.08	<=30	Pass
			2	24.56	-3.50	21.06	<=30	Pass
			3	24.58	-3.50	21.08	<=30	Pass
		6	0	23.61	-3.50	20.11	<=30	Pass
	1754.3	1	0	24.60	-3.50	21.10	<=30	Pass
			2	24.59	-3.50	21.09	<=30	Pass
			5	24.56	-3.50	21.06	<=30	Pass
		3	0	24.47	-3.50	20.97	<=30	Pass
			2	24.49	-3.50	20.99	<=30	Pass
			3	24.46	-3.50	20.96	<=30	Pass
		6	0	23.46	-3.50	19.96	<=30	Pass
16QAM	1710.7	1	0	23.96	-3.50	20.46	<=30	Pass
			2	23.97	-3.50	20.47	<=30	Pass
			5	23.94	-3.50	20.44	<=30	Pass
		3	0	23.63	-3.50	20.13	<=30	Pass
			2	23.59	-3.50	20.09	<=30	Pass
			3	23.63	-3.50	20.13	<=30	Pass
		6	0	22.56	-3.50	19.06	<=30	Pass
	1732.5	1	0	23.64	-3.50	20.14	<=30	Pass
			2	23.62	-3.50	20.12	<=30	Pass
			5	23.63	-3.50	20.13	<=30	Pass
		3	0	23.69	-3.50	20.19	<=30	Pass
			2	23.63	-3.50	20.13	<=30	Pass
			3	23.64	-3.50	20.14	<=30	Pass
		6	0	22.69	-3.50	19.19	<=30	Pass
	1754.3	1	0	23.48	-3.50	19.98	<=30	Pass
			2	23.48	-3.50	19.98	<=30	Pass
			5	23.47	-3.50	19.97	<=30	Pass
		3	0	23.36	-3.50	19.86	<=30	Pass
			2	23.36	-3.50	19.86	<=30	Pass
			3	23.35	-3.50	19.85	<=30	Pass
		6	0	22.49	-3.50	18.99	<=30	Pass
64QAM	1710.7	1	0	22.67	-3.50	19.17	<=30	Pass
			2	22.71	-3.50	19.21	<=30	Pass
			5	22.74	-3.50	19.24	<=30	Pass
		3	0	22.60	-3.50	19.10	<=30	Pass
			2	22.65	-3.50	19.15	<=30	Pass
			3	22.63	-3.50	19.13	<=30	Pass
		6	0	21.57	-3.50	18.07	<=30	Pass
	1732.5	1	0	23.16	-3.50	19.66	<=30	Pass
			2	23.17	-3.50	19.67	<=30	Pass
			5	23.18	-3.50	19.68	<=30	Pass
		3	0	22.72	-3.50	19.22	<=30	Pass
			2	22.72	-3.50	19.22	<=30	Pass

			3	22.73	-3.50	19.23	<=30	Pass
		6	0	21.60	-3.50	18.10	<=30	Pass
	1754.3	1	0	22.88	-3.50	19.38	<=30	Pass
			2	22.88	-3.50	19.38	<=30	Pass
			5	22.88	-3.50	19.38	<=30	Pass
		3	0	22.64	-3.50	19.14	<=30	Pass
			2	22.62	-3.50	19.12	<=30	Pass
			3	22.66	-3.50	19.16	<=30	Pass
		6	0	21.54	-3.50	18.04	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	24.64	-3.50	21.14	<=30	Pass
			7	24.65	-3.50	21.15	<=30	Pass
			14	24.63	-3.50	21.13	<=30	Pass
		8	0	23.67	-3.50	20.17	<=30	Pass
			4	23.64	-3.50	20.14	<=30	Pass
			7	23.64	-3.50	20.14	<=30	Pass
		15	0	23.65	-3.50	20.15	<=30	Pass
	1732.5	1	0	24.61	-3.50	21.11	<=30	Pass
			7	24.61	-3.50	21.11	<=30	Pass
			14	24.53	-3.50	21.03	<=30	Pass
		8	0	23.56	-3.50	20.06	<=30	Pass
			4	23.52	-3.50	20.02	<=30	Pass
			7	23.54	-3.50	20.04	<=30	Pass
		15	0	23.53	-3.50	20.03	<=30	Pass
	1753.5	1	0	24.52	-3.50	21.02	<=30	Pass
			7	24.51	-3.50	21.01	<=30	Pass
			14	24.48	-3.50	20.98	<=30	Pass
		8	0	23.48	-3.50	19.98	<=30	Pass
			4	23.46	-3.50	19.96	<=30	Pass
			7	23.45	-3.50	19.95	<=30	Pass
		15	0	23.45	-3.50	19.95	<=30	Pass
16QAM	1711.5	1	0	23.66	-3.50	20.16	<=30	Pass
			7	23.72	-3.50	20.22	<=30	Pass
			14	23.64	-3.50	20.14	<=30	Pass
		8	0	22.64	-3.50	19.14	<=30	Pass
			4	22.65	-3.50	19.15	<=30	Pass
			7	22.68	-3.50	19.18	<=30	Pass
		15	0	22.61	-3.50	19.11	<=30	Pass
	1732.5	1	0	23.93	-3.50	20.43	<=30	Pass
			7	23.98	-3.50	20.48	<=30	Pass
			14	23.90	-3.50	20.40	<=30	Pass
		8	0	22.66	-3.50	19.16	<=30	Pass
			4	22.65	-3.50	19.15	<=30	Pass
			7	22.65	-3.50	19.15	<=30	Pass
		15	0	22.62	-3.50	19.12	<=30	Pass
	1753.5	1	0	23.52	-3.50	20.02	<=30	Pass
			7	23.56	-3.50	20.06	<=30	Pass
			14	23.48	-3.50	19.98	<=30	Pass
		8	0	22.49	-3.50	18.99	<=30	Pass
			4	22.44	-3.50	18.94	<=30	Pass
			7	22.45	-3.50	18.95	<=30	Pass
		15	0	22.42	-3.50	18.92	<=30	Pass
64QAM	1711.5	1	0	22.49	-3.50	18.99	<=30	Pass
			7	22.57	-3.50	19.07	<=30	Pass
			14	22.56	-3.50	19.06	<=30	Pass
		8	0	21.56	-3.50	18.06	<=30	Pass

		15	4	21.59	-3.50	18.09	<=30	Pass
			7	21.61	-3.50	18.11	<=30	Pass
			0	21.58	-3.50	18.08	<=30	Pass
	1732.5	1	0	22.72	-3.50	19.22	<=30	Pass
			7	22.73	-3.50	19.23	<=30	Pass
			14	22.69	-3.50	19.19	<=30	Pass
		8	0	21.47	-3.50	17.97	<=30	Pass
			4	21.48	-3.50	17.98	<=30	Pass
			7	21.49	-3.50	17.99	<=30	Pass
		15	0	21.54	-3.50	18.04	<=30	Pass
	1753.5	1	0	22.40	-3.50	18.90	<=30	Pass
			7	22.43	-3.50	18.93	<=30	Pass
			14	22.37	-3.50	18.87	<=30	Pass
		8	0	21.41	-3.50	17.91	<=30	Pass
			4	21.39	-3.50	17.89	<=30	Pass
			7	21.37	-3.50	17.87	<=30	Pass
		15	0	21.39	-3.50	17.89	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	24.71	-3.50	21.21	<=30	Pass
			13	24.66	-3.50	21.16	<=30	Pass
			24	24.68	-3.50	21.18	<=30	Pass
		12	0	23.66	-3.50	20.16	<=30	Pass
			6	23.65	-3.50	20.15	<=30	Pass
			13	23.64	-3.50	20.14	<=30	Pass
		25	0	23.69	-3.50	20.19	<=30	Pass
	1732.5	1	0	24.64	-3.50	21.14	<=30	Pass
			13	24.60	-3.50	21.10	<=30	Pass
			24	24.52	-3.50	21.02	<=30	Pass
		12	0	23.63	-3.50	20.13	<=30	Pass
			6	23.58	-3.50	20.08	<=30	Pass
			13	23.58	-3.50	20.08	<=30	Pass
		25	0	23.61	-3.50	20.11	<=30	Pass
	1752.5	1	0	24.53	-3.50	21.03	<=30	Pass
			13	24.53	-3.50	21.03	<=30	Pass
			24	24.55	-3.50	21.05	<=30	Pass
		12	0	23.48	-3.50	19.98	<=30	Pass
			6	23.49	-3.50	19.99	<=30	Pass
			13	23.48	-3.50	19.98	<=30	Pass
		25	0	23.55	-3.50	20.05	<=30	Pass
16QAM	1712.5	1	0	23.77	-3.50	20.27	<=30	Pass
			13	23.74	-3.50	20.24	<=30	Pass
			24	23.74	-3.50	20.24	<=30	Pass
		12	0	22.67	-3.50	19.17	<=30	Pass
			6	22.71	-3.50	19.21	<=30	Pass
			13	22.73	-3.50	19.23	<=30	Pass
		25	0	22.68	-3.50	19.18	<=30	Pass
	1732.5	1	0	24.06	-3.50	20.56	<=30	Pass
			13	24.02	-3.50	20.52	<=30	Pass
			24	23.93	-3.50	20.43	<=30	Pass
		12	0	22.66	-3.50	19.16	<=30	Pass
			6	22.63	-3.50	19.13	<=30	Pass
			13	22.62	-3.50	19.12	<=30	Pass
		25	0	22.65	-3.50	19.15	<=30	Pass
	1752.5	1	0	23.44	-3.50	19.94	<=30	Pass
			13	23.46	-3.50	19.96	<=30	Pass
			24	23.46	-3.50	19.96	<=30	Pass

64QAM	1712.5	12	0	22.63	-3.50	19.13	<=30	Pass
			6	22.59	-3.50	19.09	<=30	Pass
			13	22.58	-3.50	19.08	<=30	Pass
		25	0	22.62	-3.50	19.12	<=30	Pass
			6	22.82	-3.50	19.32	<=30	Pass
			13	22.91	-3.50	19.41	<=30	Pass
		1	24	22.94	-3.50	19.44	<=30	Pass
			0	21.68	-3.50	18.18	<=30	Pass
			6	21.74	-3.50	18.24	<=30	Pass
	1732.5	12	13	21.76	-3.50	18.26	<=30	Pass
			0	21.77	-3.50	18.27	<=30	Pass
			6	22.78	-3.50	19.28	<=30	Pass
		1	13	22.79	-3.50	19.29	<=30	Pass
			24	22.77	-3.50	19.27	<=30	Pass
			0	21.57	-3.50	18.07	<=30	Pass
		12	6	21.55	-3.50	18.05	<=30	Pass
			13	21.54	-3.50	18.04	<=30	Pass
			25	21.56	-3.50	18.06	<=30	Pass
	1752.5	1	0	22.71	-3.50	19.21	<=30	Pass
			13	22.70	-3.50	19.20	<=30	Pass
			24	22.70	-3.50	19.20	<=30	Pass
		12	0	21.59	-3.50	18.09	<=30	Pass
			6	21.55	-3.50	18.05	<=30	Pass
			13	21.54	-3.50	18.04	<=30	Pass
		25	0	21.60	-3.50	18.10	<=30	Pass
			6	22.82	-3.50	19.32	<=30	Pass
			13	22.91	-3.50	19.41	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	24.72	-3.50	21.22	<=30	Pass
			25	24.63	-3.50	21.13	<=30	Pass
			49	24.68	-3.50	21.18	<=30	Pass
		25	0	23.68	-3.50	20.18	<=30	Pass
			13	23.66	-3.50	20.16	<=30	Pass
			25	23.66	-3.50	20.16	<=30	Pass
		50	0	23.67	-3.50	20.17	<=30	Pass
			0	24.81	-3.50	21.31	<=30	Pass
			25	24.69	-3.50	21.19	<=30	Pass
	1732.5	1	49	24.65	-3.50	21.15	<=30	Pass
			0	23.65	-3.50	20.15	<=30	Pass
			13	23.58	-3.50	20.08	<=30	Pass
		25	25	23.60	-3.50	20.10	<=30	Pass
			0	23.63	-3.50	20.13	<=30	Pass
			0	24.62	-3.50	21.12	<=30	Pass
		1	25	24.53	-3.50	21.03	<=30	Pass
			49	24.62	-3.50	21.12	<=30	Pass
			0	23.50	-3.50	20.00	<=30	Pass
	1750	25	13	23.50	-3.50	20.00	<=30	Pass
			25	23.55	-3.50	20.05	<=30	Pass
			0	23.54	-3.50	20.04	<=30	Pass
		50	0	23.75	-3.50	20.25	<=30	Pass
			25	23.64	-3.50	20.14	<=30	Pass
			49	23.69	-3.50	20.19	<=30	Pass
		1	0	22.72	-3.50	19.22	<=30	Pass
			13	22.73	-3.50	19.23	<=30	Pass
			25	22.74	-3.50	19.24	<=30	Pass
16QAM	1715	50	0	22.66	-3.50	19.16	<=30	Pass
			0	23.68	-3.50	20.18	<=30	Pass
			25	23.59	-3.50	20.09	<=30	Pass
	1732.5	1	0	23.68	-3.50	20.18	<=30	Pass
			25	23.59	-3.50	20.09	<=30	Pass
			0	23.68	-3.50	20.18	<=30	Pass

			49	23.55	-3.50	20.05	<=30	Pass	
		25	0	22.68	-3.50	19.18	<=30	Pass	
			13	22.66	-3.50	19.16	<=30	Pass	
			25	22.65	-3.50	19.15	<=30	Pass	
		50	0	22.61	-3.50	19.11	<=30	Pass	
	1750	1	0	23.96	-3.50	20.46	<=30	Pass	
			25	23.89	-3.50	20.39	<=30	Pass	
			49	23.99	-3.50	20.49	<=30	Pass	
		25	0	22.55	-3.50	19.05	<=30	Pass	
			13	22.54	-3.50	19.04	<=30	Pass	
			25	22.51	-3.50	19.01	<=30	Pass	
		50	0	22.54	-3.50	19.04	<=30	Pass	
	64QAM	1715	1	0	22.59	-3.50	19.09	<=30	Pass
				25	22.61	-3.50	19.11	<=30	Pass
49				22.64	-3.50	19.14	<=30	Pass	
25			0	21.64	-3.50	18.14	<=30	Pass	
			13	21.66	-3.50	18.16	<=30	Pass	
			25	21.64	-3.50	18.14	<=30	Pass	
50			0	21.67	-3.50	18.17	<=30	Pass	
1732.5		1	0	23.09	-3.50	19.59	<=30	Pass	
			25	23.00	-3.50	19.50	<=30	Pass	
			49	23.03	-3.50	19.53	<=30	Pass	
		25	0	21.64	-3.50	18.14	<=30	Pass	
			13	21.61	-3.50	18.11	<=30	Pass	
			25	21.63	-3.50	18.13	<=30	Pass	
		50	0	21.60	-3.50	18.10	<=30	Pass	
1750		1	0	22.76	-3.50	19.26	<=30	Pass	
			25	22.67	-3.50	19.17	<=30	Pass	
			49	22.69	-3.50	19.19	<=30	Pass	
		25	0	21.57	-3.50	18.07	<=30	Pass	
			13	21.53	-3.50	18.03	<=30	Pass	
			25	21.53	-3.50	18.03	<=30	Pass	
		50	0	21.49	-3.50	17.99	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.5 B4_15MHz_EIRP

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	24.73	-3.50	21.23	<=30	Pass
			38	24.68	-3.50	21.18	<=30	Pass
			74	24.66	-3.50	21.16	<=30	Pass
		36	0	23.73	-3.50	20.23	<=30	Pass
			18	23.65	-3.50	20.15	<=30	Pass
			39	23.66	-3.50	20.16	<=30	Pass
		75	0	23.71	-3.50	20.21	<=30	Pass
	1732.5	1	0	24.83	-3.50	21.33	<=30	Pass
			38	24.81	-3.50	21.31	<=30	Pass
			74	24.65	-3.50	21.15	<=30	Pass
		36	0	23.69	-3.50	20.19	<=30	Pass
			18	23.64	-3.50	20.14	<=30	Pass
			39	23.59	-3.50	20.09	<=30	Pass
		75	0	23.65	-3.50	20.15	<=30	Pass
	1747.5	1	0	24.64	-3.50	21.14	<=30	Pass
			38	24.60	-3.50	21.10	<=30	Pass
			74	24.65	-3.50	21.15	<=30	Pass
		36	0	23.56	-3.50	20.06	<=30	Pass
			18	23.51	-3.50	20.01	<=30	Pass
			39	23.57	-3.50	20.07	<=30	Pass
		75	0	23.60	-3.50	20.10	<=30	Pass
16QAM	1717.5	1	0	23.77	-3.50	20.27	<=30	Pass

			38	23.73	-3.50	20.23	<=30	Pass
			74	23.69	-3.50	20.19	<=30	Pass
			0	22.70	-3.50	19.20	<=30	Pass
		36	18	22.73	-3.50	19.23	<=30	Pass
			39	22.68	-3.50	19.18	<=30	Pass
			75	0	22.75	-3.50	19.25	<=30
	1732.5	1	0	23.71	-3.50	20.21	<=30	Pass
			38	23.70	-3.50	20.20	<=30	Pass
			74	23.55	-3.50	20.05	<=30	Pass
		36	0	22.68	-3.50	19.18	<=30	Pass
			18	22.65	-3.50	19.15	<=30	Pass
			39	22.64	-3.50	19.14	<=30	Pass
	75	0	22.67	-3.50	19.17	<=30	Pass	
	1747.5	1	0	23.58	-3.50	20.08	<=30	Pass
			38	23.56	-3.50	20.06	<=30	Pass
			74	23.57	-3.50	20.07	<=30	Pass
		36	0	22.62	-3.50	19.12	<=30	Pass
			18	22.59	-3.50	19.09	<=30	Pass
			39	22.55	-3.50	19.05	<=30	Pass
	75	0	22.62	-3.50	19.12	<=30	Pass	
64QAM	1717.5	1	0	22.59	-3.50	19.09	<=30	Pass
			38	22.69	-3.50	19.19	<=30	Pass
			74	22.60	-3.50	19.10	<=30	Pass
		36	0	21.70	-3.50	18.20	<=30	Pass
			18	21.71	-3.50	18.21	<=30	Pass
			39	21.65	-3.50	18.15	<=30	Pass
	75	0	21.73	-3.50	18.23	<=30	Pass	
	1732.5	1	0	23.10	-3.50	19.60	<=30	Pass
			38	23.10	-3.50	19.60	<=30	Pass
			74	23.03	-3.50	19.53	<=30	Pass
		36	0	21.66	-3.50	18.16	<=30	Pass
			18	21.64	-3.50	18.14	<=30	Pass
			39	21.59	-3.50	18.09	<=30	Pass
	75	0	21.65	-3.50	18.15	<=30	Pass	
	1747.5	1	0	22.73	-3.50	19.23	<=30	Pass
			38	22.75	-3.50	19.25	<=30	Pass
			74	22.66	-3.50	19.16	<=30	Pass
		36	0	21.62	-3.50	18.12	<=30	Pass
			18	21.60	-3.50	18.10	<=30	Pass
			39	21.58	-3.50	18.08	<=30	Pass
75	0	21.60	-3.50	18.10	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B4_20MHz_EIRP

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	24.73	-3.50	21.23	<=30	Pass
			50	24.72	-3.50	21.22	<=30	Pass
			99	24.69	-3.50	21.19	<=30	Pass
		50	0	23.73	-3.50	20.23	<=30	Pass
			25	23.72	-3.50	20.22	<=30	Pass
			50	23.70	-3.50	20.20	<=30	Pass
		100	0	23.74	-3.50	20.24	<=30	Pass
	1732.5	1	0	24.70	-3.50	21.20	<=30	Pass
			50	24.78	-3.50	21.28	<=30	Pass
			99	24.58	-3.50	21.08	<=30	Pass
		50	0	23.75	-3.50	20.25	<=30	Pass
			25	23.70	-3.50	20.20	<=30	Pass
			50	23.65	-3.50	20.15	<=30	Pass
		100	0	23.69	-3.50	20.19	<=30	Pass

	1745	1	0	24.63	-3.50	21.13	<=30	Pass		
			50	24.62	-3.50	21.12	<=30	Pass		
			99	24.61	-3.50	21.11	<=30	Pass		
		50	0	23.63	-3.50	20.13	<=30	Pass		
			25	23.62	-3.50	20.12	<=30	Pass		
			50	23.63	-3.50	20.13	<=30	Pass		
		100	0	23.59	-3.50	20.09	<=30	Pass		
		16QAM	1720	1	0	24.14	-3.50	20.64	<=30	Pass
					50	24.11	-3.50	20.61	<=30	Pass
99	24.11				-3.50	20.61	<=30	Pass		
50	0			22.74	-3.50	19.24	<=30	Pass		
	25			22.75	-3.50	19.25	<=30	Pass		
	50			22.70	-3.50	19.20	<=30	Pass		
100	0			22.72	-3.50	19.22	<=30	Pass		
1732.5	1			0	23.57	-3.50	20.07	<=30	Pass	
				50	23.67	-3.50	20.17	<=30	Pass	
			99	23.47	-3.50	19.97	<=30	Pass		
	50		0	22.71	-3.50	19.21	<=30	Pass		
			25	22.69	-3.50	19.19	<=30	Pass		
			50	22.66	-3.50	19.16	<=30	Pass		
	100		0	22.69	-3.50	19.19	<=30	Pass		
	1745		1	0	23.71	-3.50	20.21	<=30	Pass	
				50	23.68	-3.50	20.18	<=30	Pass	
99				23.67	-3.50	20.17	<=30	Pass		
50			0	22.61	-3.50	19.11	<=30	Pass		
			25	22.61	-3.50	19.11	<=30	Pass		
			50	22.57	-3.50	19.07	<=30	Pass		
100			0	22.62	-3.50	19.12	<=30	Pass		
64QAM			1720	1	0	22.82	-3.50	19.32	<=30	Pass
					50	22.93	-3.50	19.43	<=30	Pass
	99				22.82	-3.50	19.32	<=30	Pass	
	50	0		21.65	-3.50	18.15	<=30	Pass		
		25		21.64	-3.50	18.14	<=30	Pass		
		50		21.59	-3.50	18.09	<=30	Pass		
	100	0		21.68	-3.50	18.18	<=30	Pass		
	1732.5	1		0	22.74	-3.50	19.24	<=30	Pass	
				50	22.73	-3.50	19.23	<=30	Pass	
			99	22.63	-3.50	19.13	<=30	Pass		
		50	0	21.73	-3.50	18.23	<=30	Pass		
			25	21.72	-3.50	18.22	<=30	Pass		
			50	21.67	-3.50	18.17	<=30	Pass		
		100	0	21.68	-3.50	18.18	<=30	Pass		
		1745	1	0	22.62	-3.50	19.12	<=30	Pass	
				50	22.59	-3.50	19.09	<=30	Pass	
	99			22.47	-3.50	18.97	<=30	Pass		
	50		0	21.63	-3.50	18.13	<=30	Pass		
			25	21.64	-3.50	18.14	<=30	Pass		
			50	21.62	-3.50	18.12	<=30	Pass		
	100		0	21.59	-3.50	18.09	<=30	Pass		
	Note1: EIRP=Conducted Power+Antenna Gain									

2. Frequency Stability

2.1 Test Result

2.1.1 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1732.5	50	0	20	LV	-1.491	-0.0009	-2.5 to 2.5	Pass
					NV	-0.321	-0.0002	-2.5 to 2.5	Pass
					HV	-3.649	-0.0021	-2.5 to 2.5	Pass
				-30	NV	-2.322	-0.0013	-2.5 to 2.5	Pass
				-20	NV	-0.903	-0.0005	-2.5 to 2.5	Pass
				-10	NV	-2.709	-0.0016	-2.5 to 2.5	Pass
				0	NV	-4.780	-0.0028	-2.5 to 2.5	Pass
				10	NV	-4.477	-0.0026	-2.5 to 2.5	Pass
				30	NV	-0.098	-0.0001	-2.5 to 2.5	Pass
				40	NV	-2.568	-0.0015	-2.5 to 2.5	Pass
				50	NV	-0.459	-0.0003	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

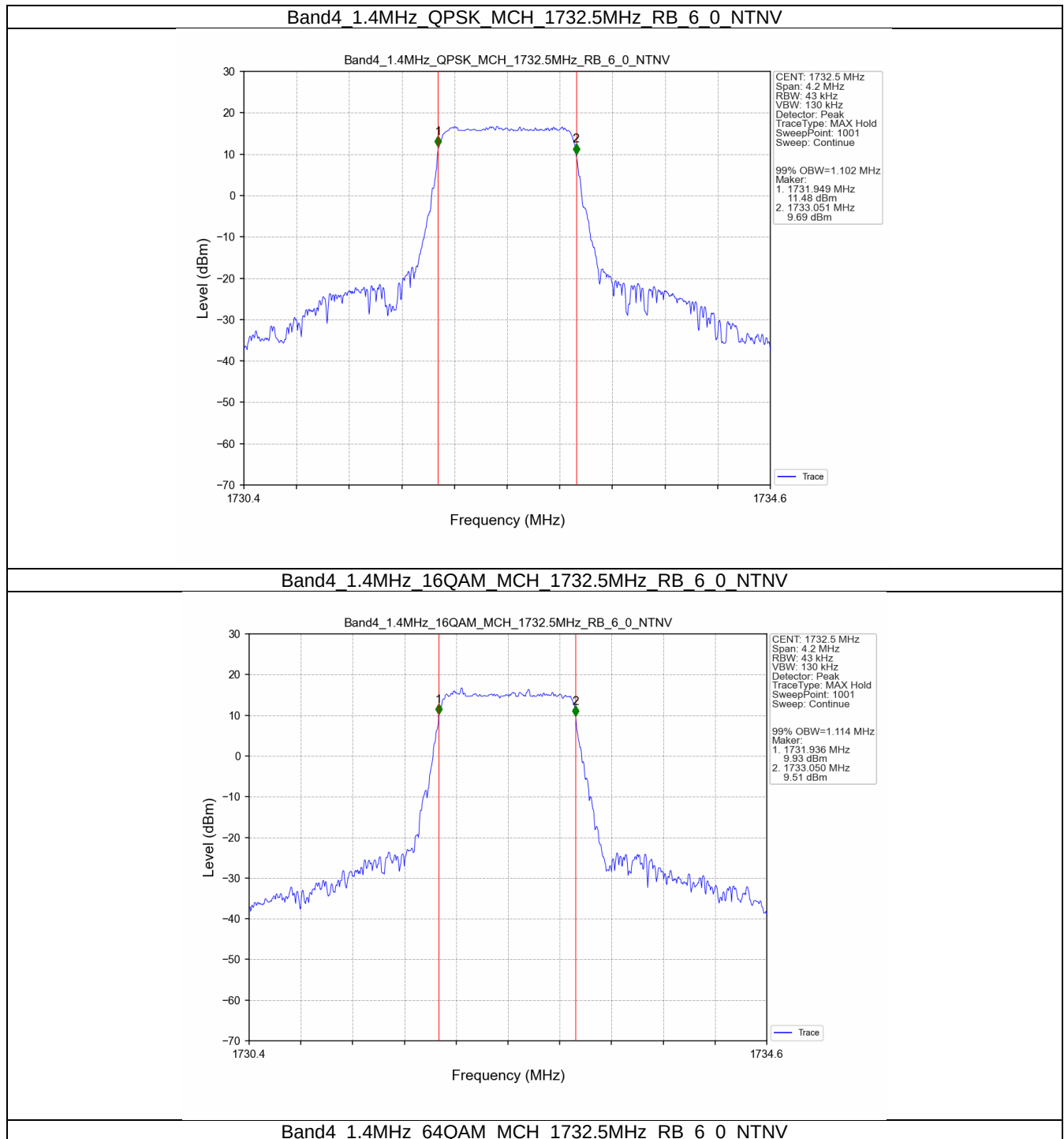
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.102	/	Pass
	16QAM	1732.5	6	0	1.114	/	Pass
	64QAM	1732.5	6	0	1.103	/	Pass
3	QPSK	1732.5	15	0	2.731	/	Pass
	16QAM	1732.5	15	0	2.726	/	Pass
	64QAM	1732.5	15	0	2.734	/	Pass
5	QPSK	1732.5	25	0	4.544	/	Pass
	16QAM	1732.5	25	0	4.530	/	Pass
	64QAM	1732.5	25	0	4.567	/	Pass
10	QPSK	1732.5	50	0	9.059	/	Pass
	16QAM	1732.5	50	0	9.060	/	Pass
	64QAM	1732.5	50	0	9.054	/	Pass
15	QPSK	1732.5	75	0	13.572	/	Pass
	16QAM	1732.5	75	0	13.568	/	Pass
	64QAM	1732.5	75	0	13.581	/	Pass
20	QPSK	1732.5	100	0	18.088	/	Pass
	16QAM	1732.5	100	0	18.122	/	Pass
	64QAM	1732.5	100	0	18.098	/	Pass

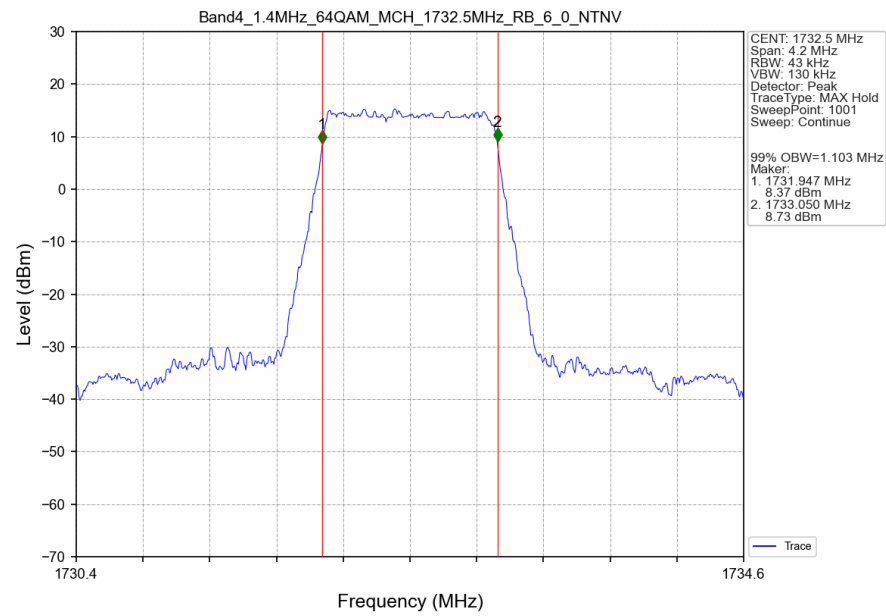
3.1.2 Band4_XDB

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.322	/	Pass
	16QAM	1732.5	6	0	1.332	/	Pass
	64QAM	1732.5	6	0	1.328	/	Pass
3	QPSK	1732.5	15	0	3.046	/	Pass
	16QAM	1732.5	15	0	3.052	/	Pass
	64QAM	1732.5	15	0	3.012	/	Pass
5	QPSK	1732.5	25	0	5.030	/	Pass
	16QAM	1732.5	25	0	5.016	/	Pass
	64QAM	1732.5	25	0	5.050	/	Pass
10	QPSK	1732.5	50	0	10.062	/	Pass
	16QAM	1732.5	50	0	9.950	/	Pass
	64QAM	1732.5	50	0	9.961	/	Pass
15	QPSK	1732.5	75	0	15.002	/	Pass
	16QAM	1732.5	75	0	14.922	/	Pass
	64QAM	1732.5	75	0	14.939	/	Pass
20	QPSK	1732.5	100	0	19.886	/	Pass
	16QAM	1732.5	100	0	19.825	/	Pass
	64QAM	1732.5	100	0	19.843	/	Pass

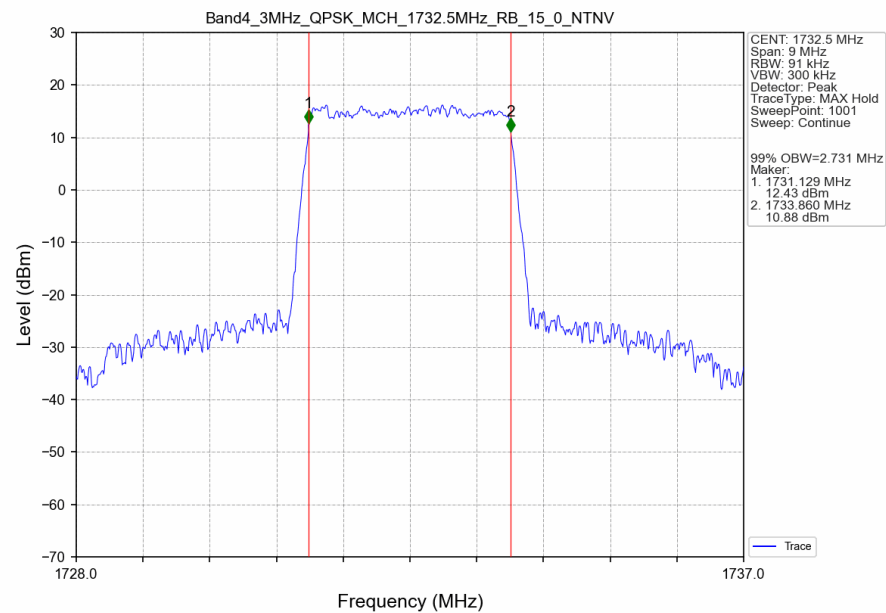
3.2 Test Graph

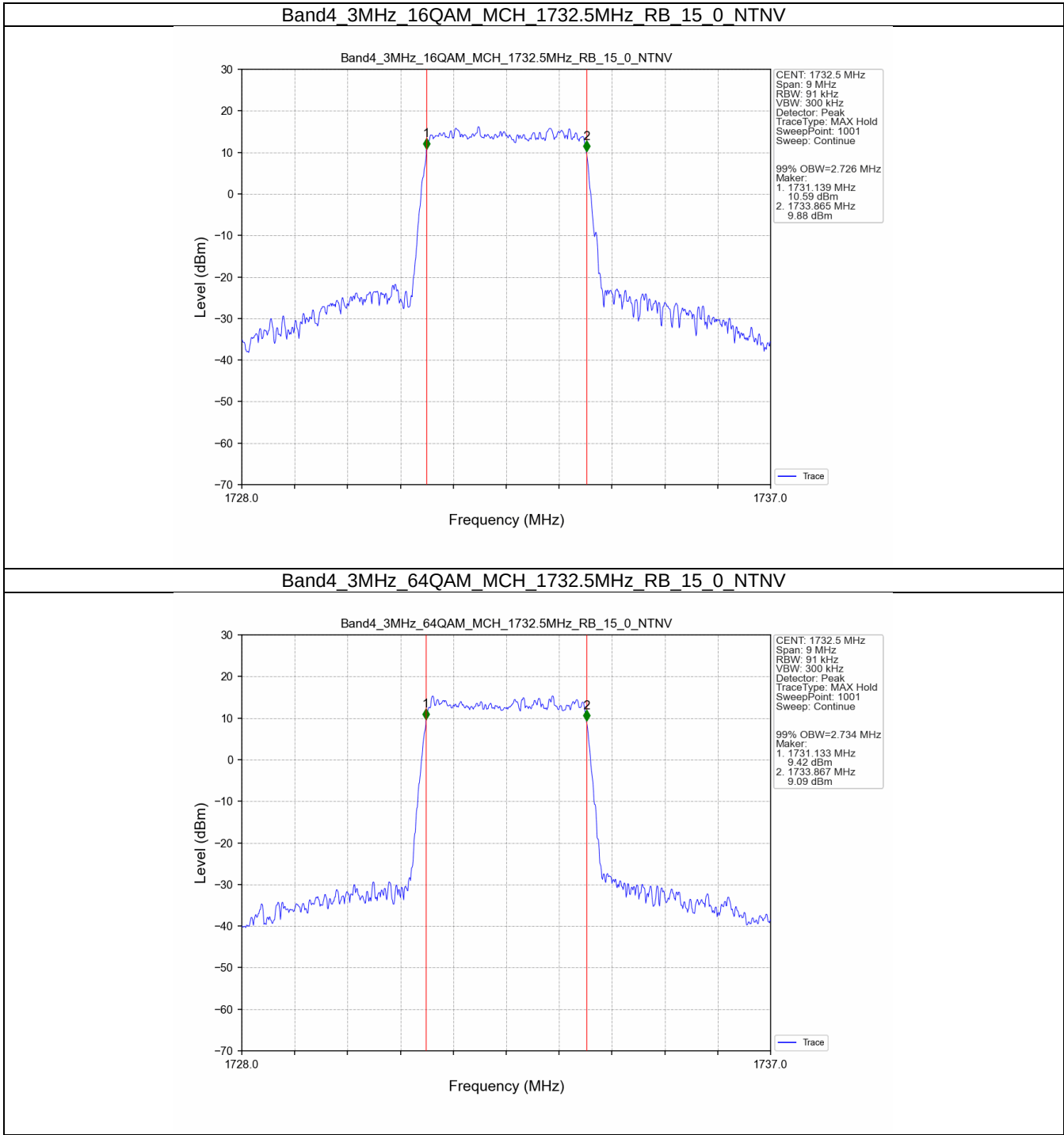
3.2.1 Band4_OBW



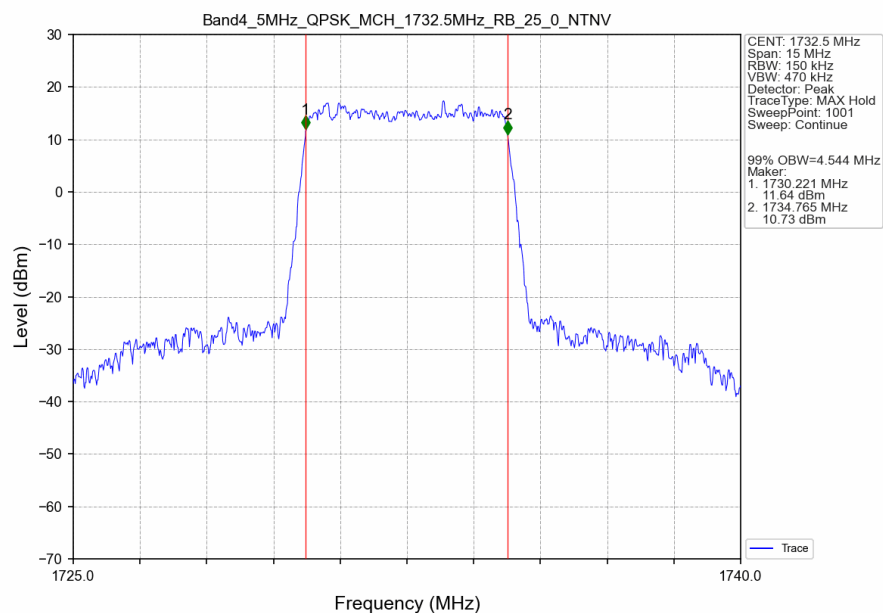


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

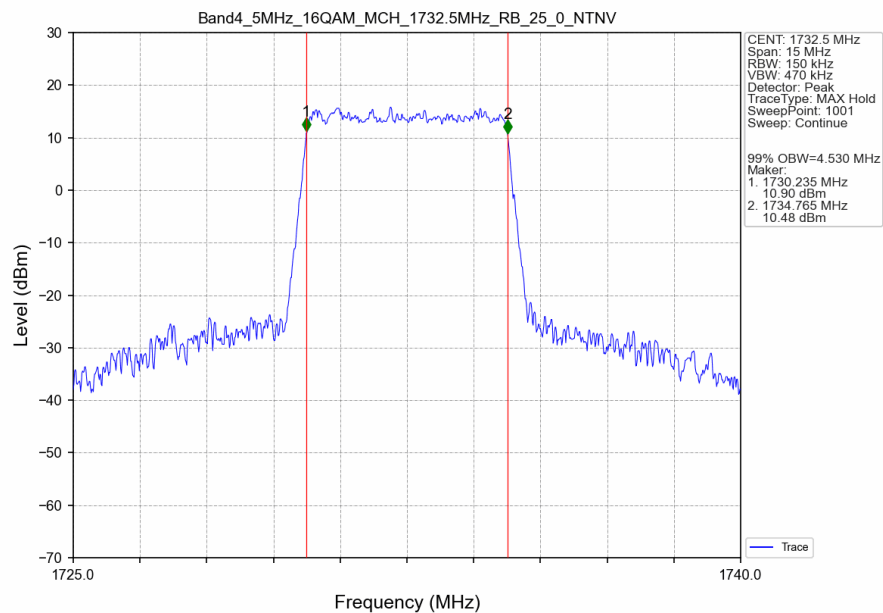




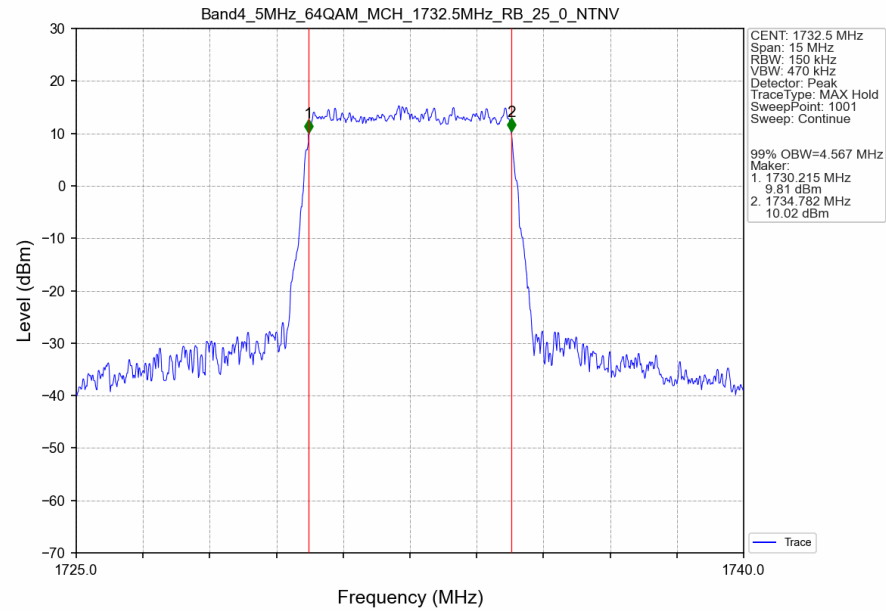
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



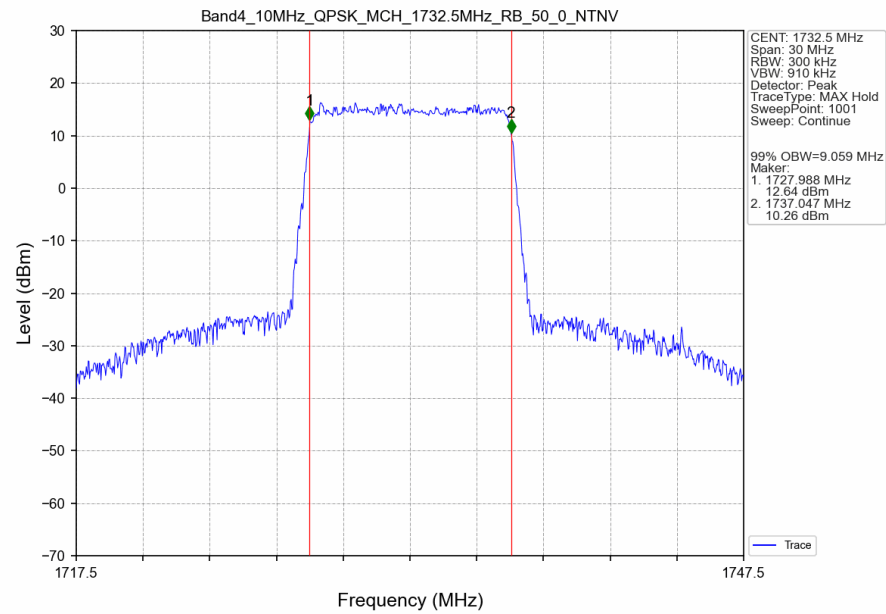
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

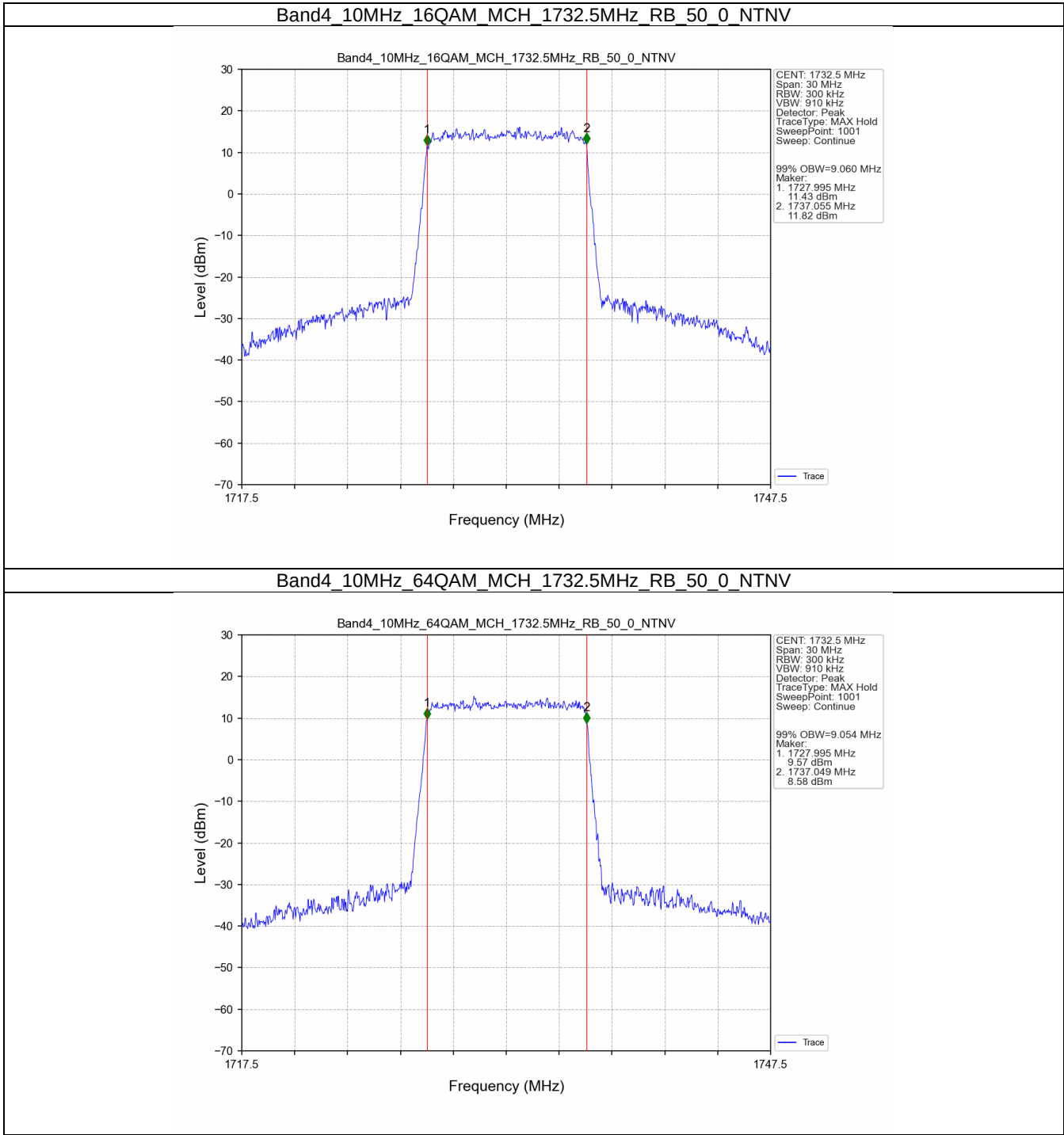


Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV

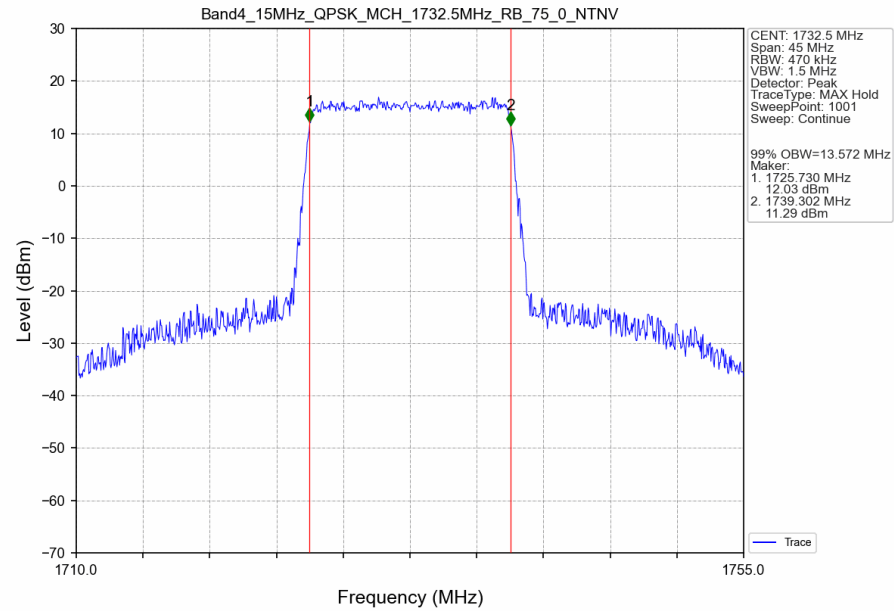


Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

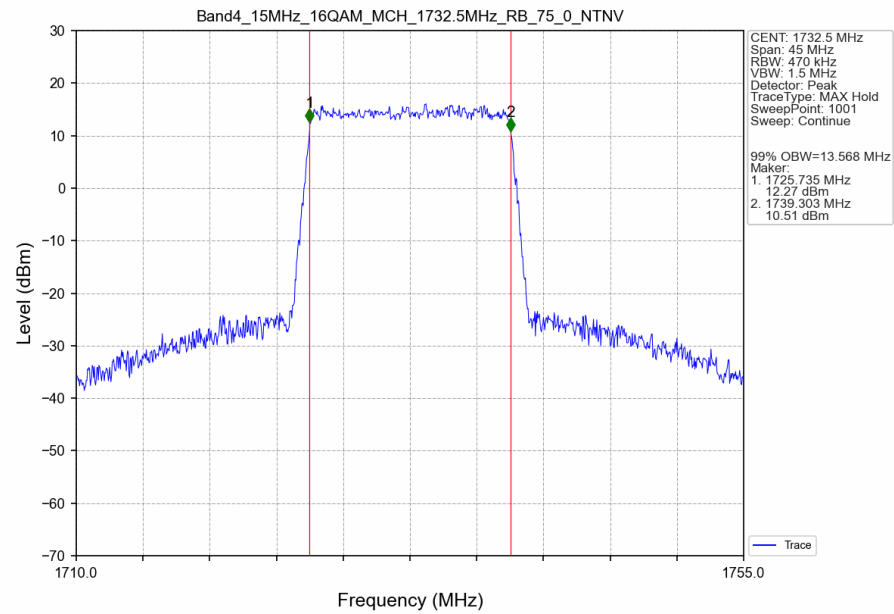


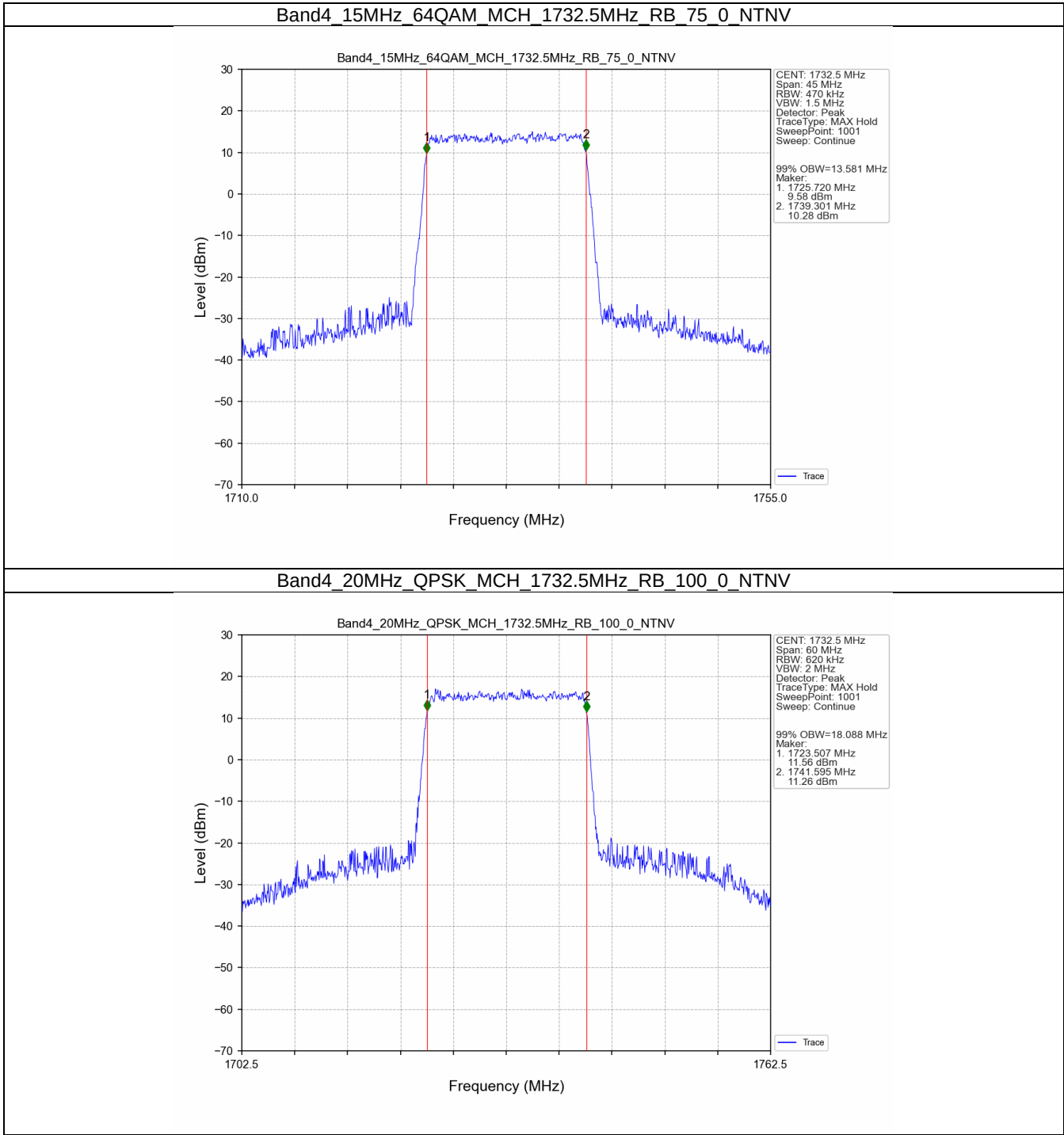


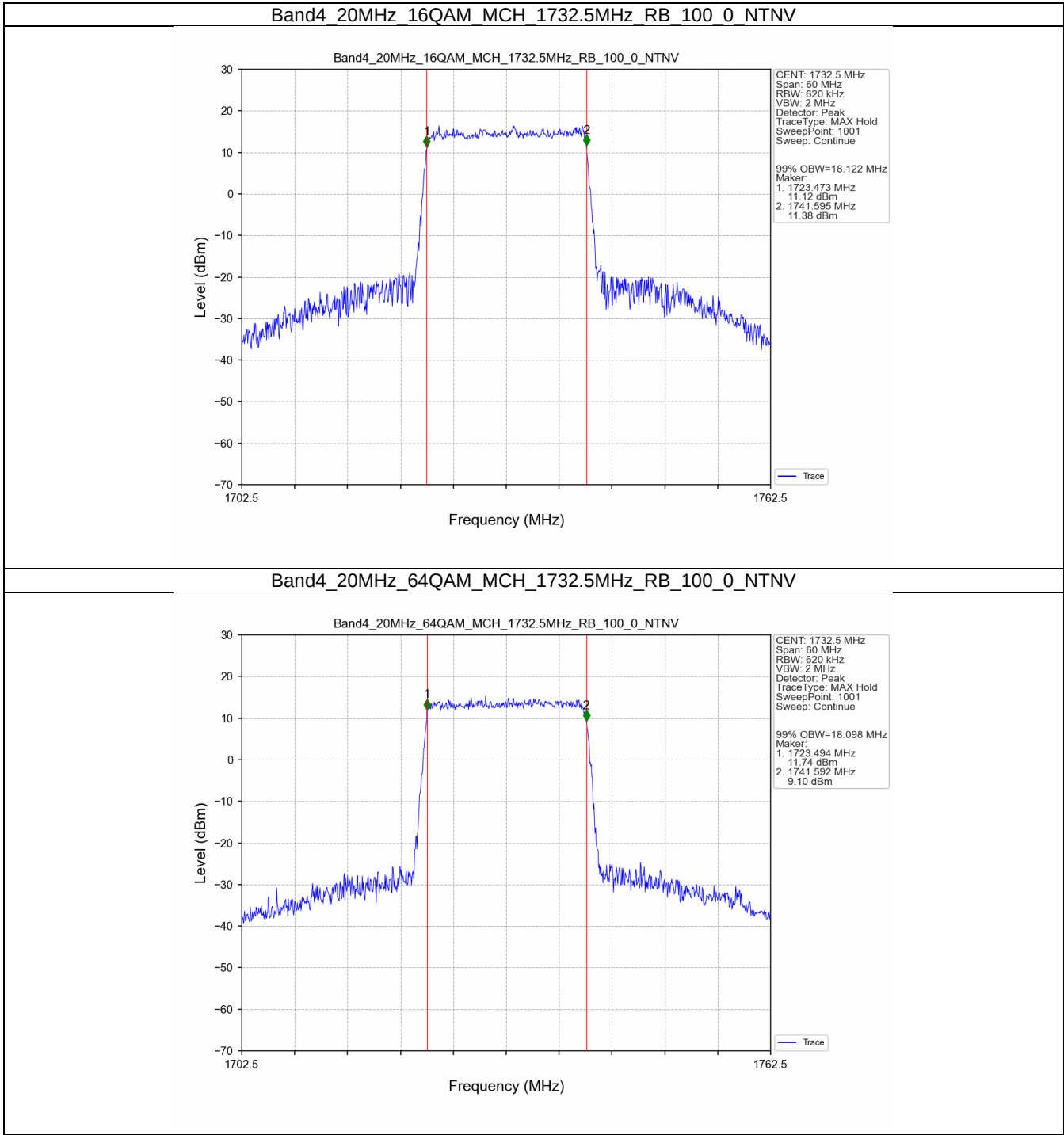
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



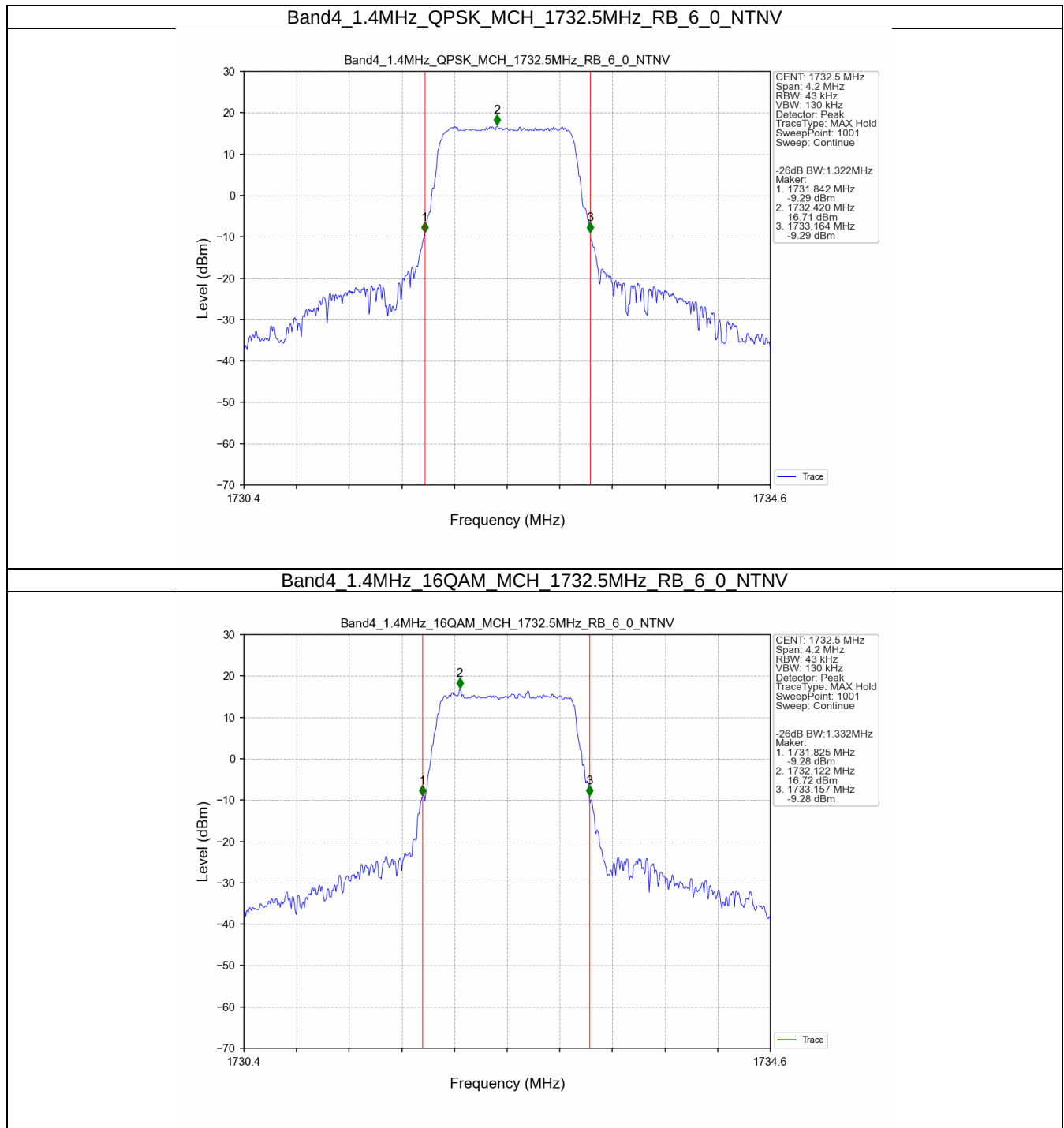
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



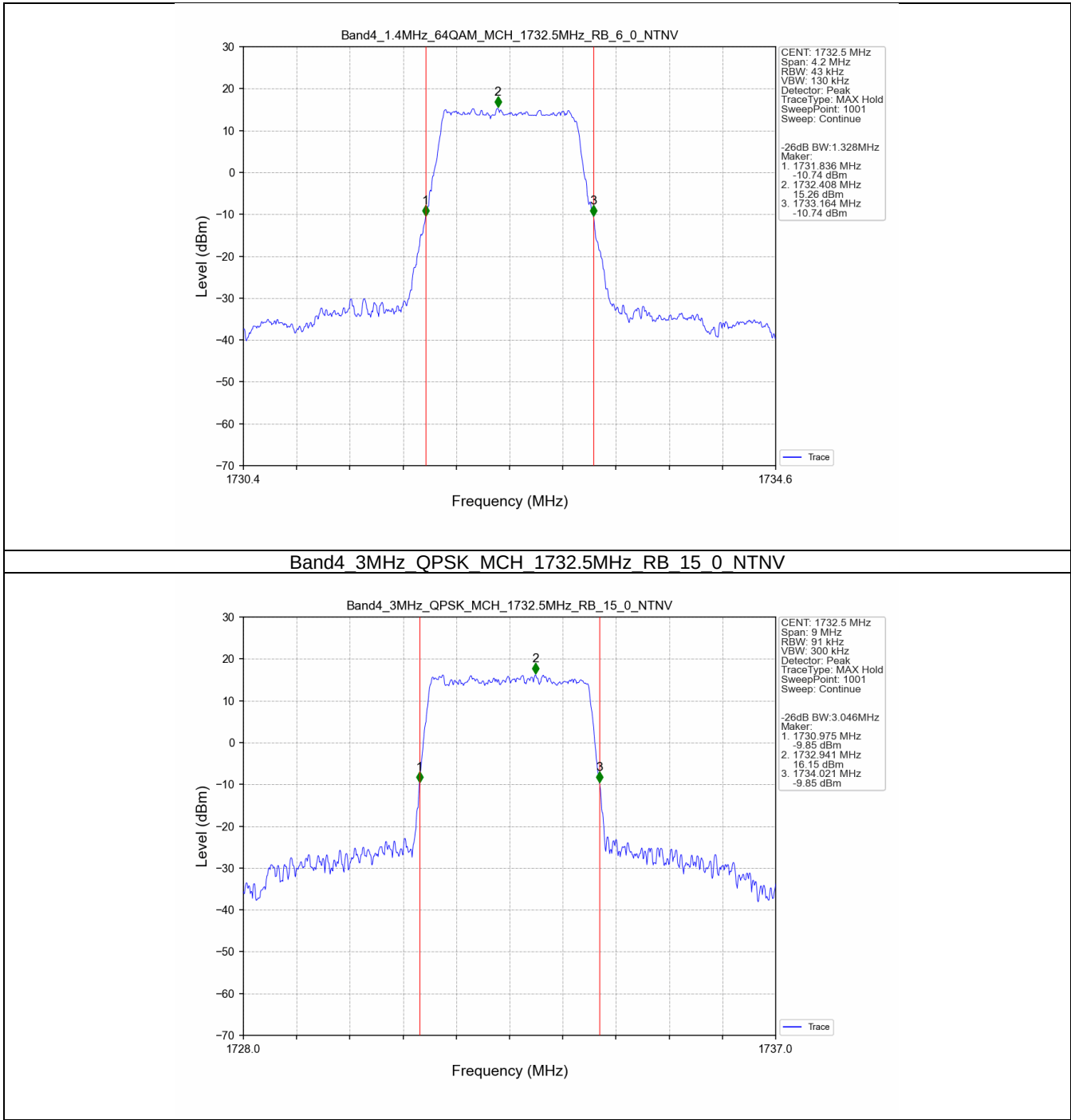




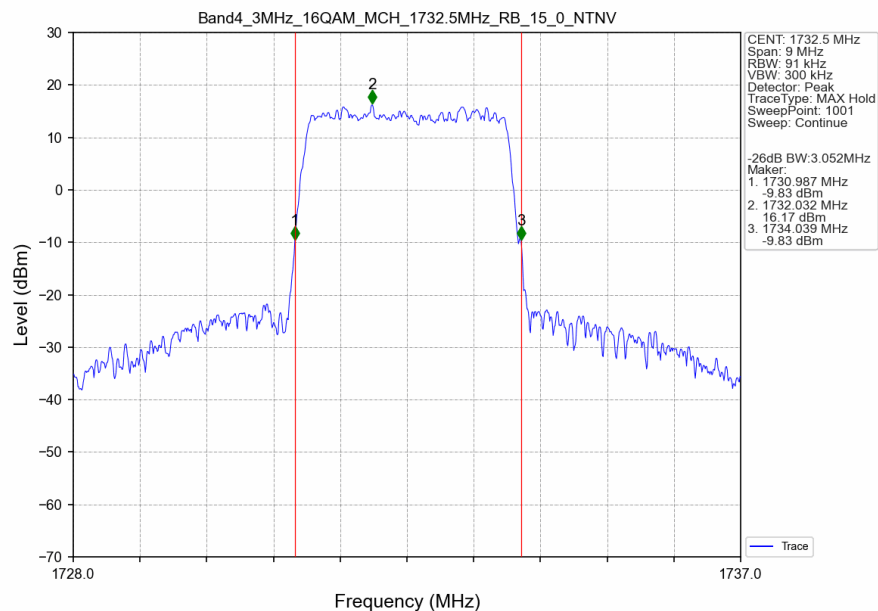
3.2.2 Band4_XDB



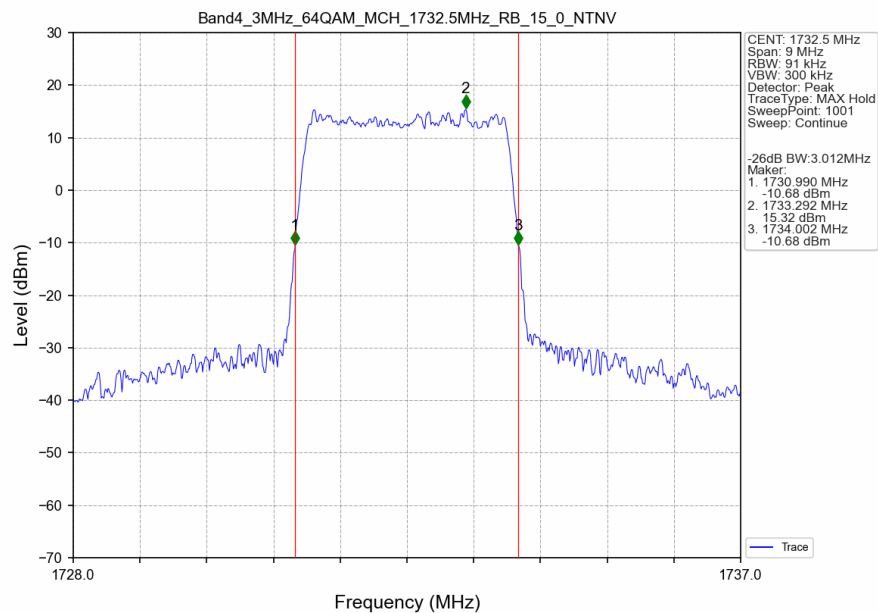
Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_6_0_NTNV



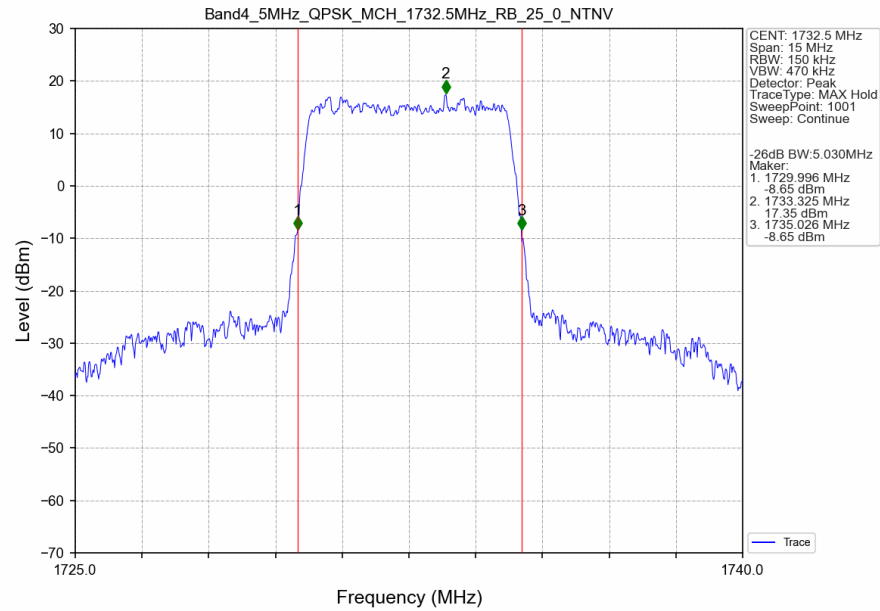
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



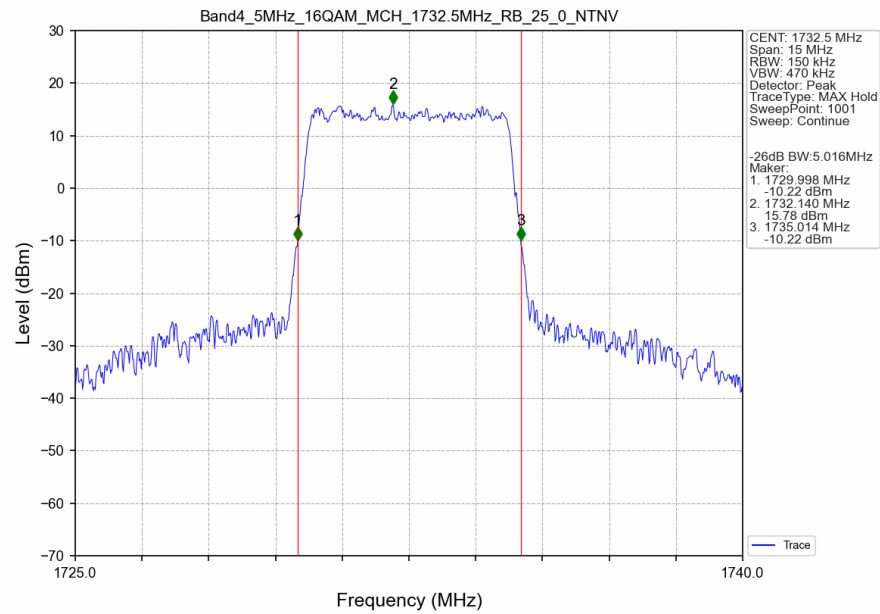
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV

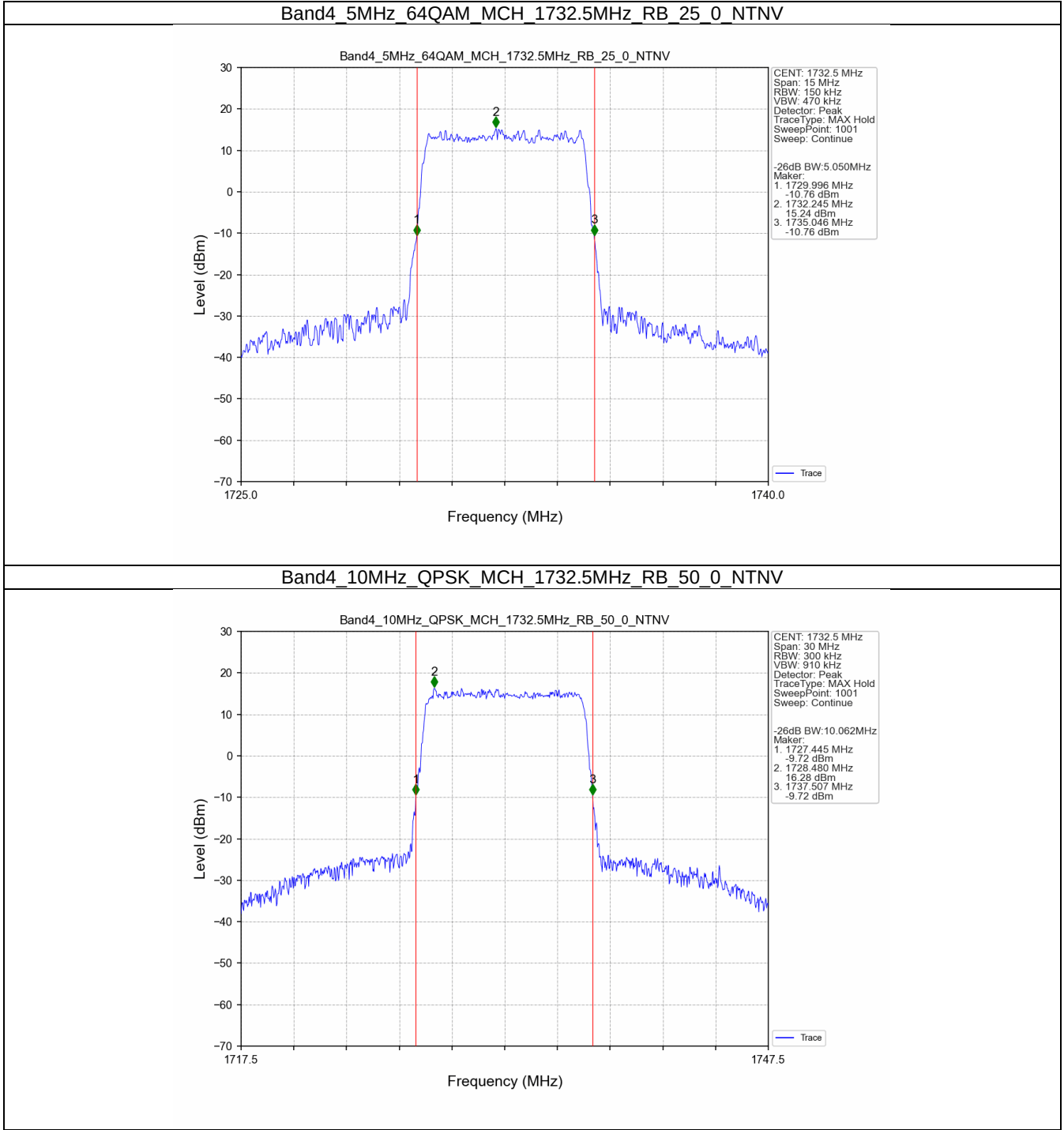


Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

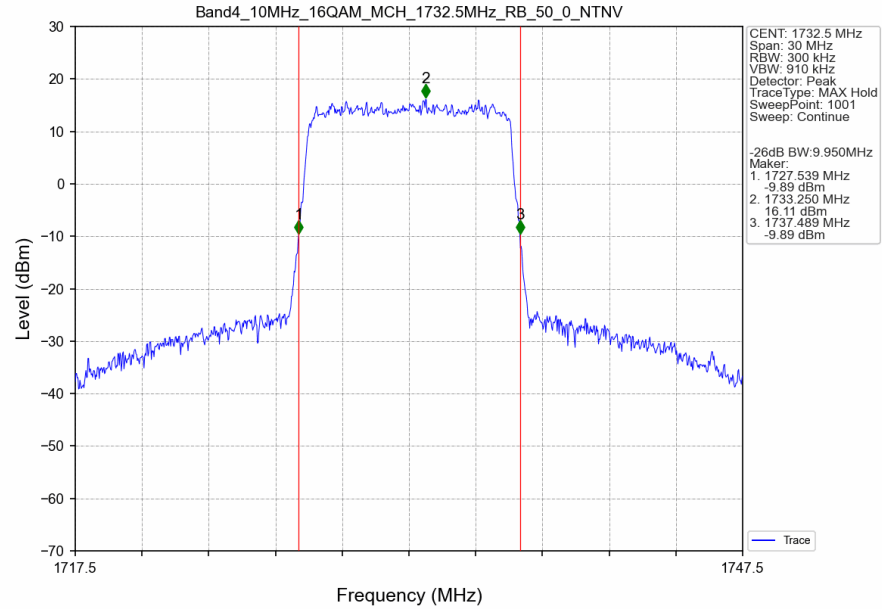


Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

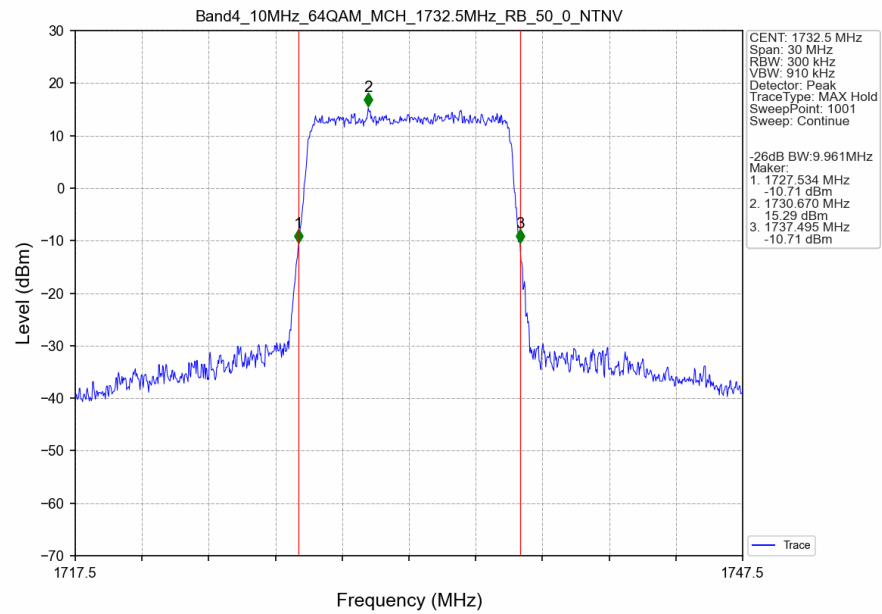


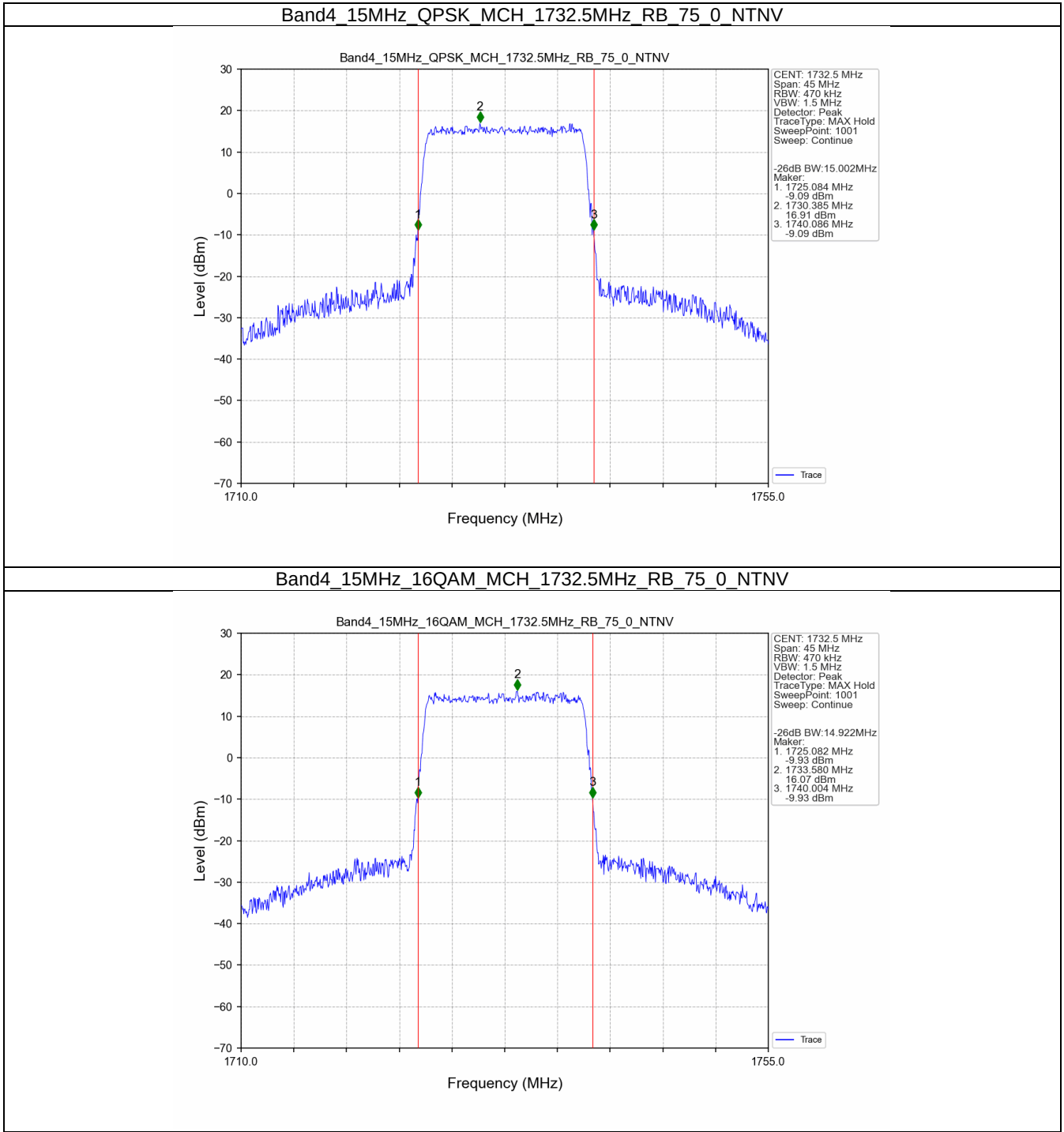


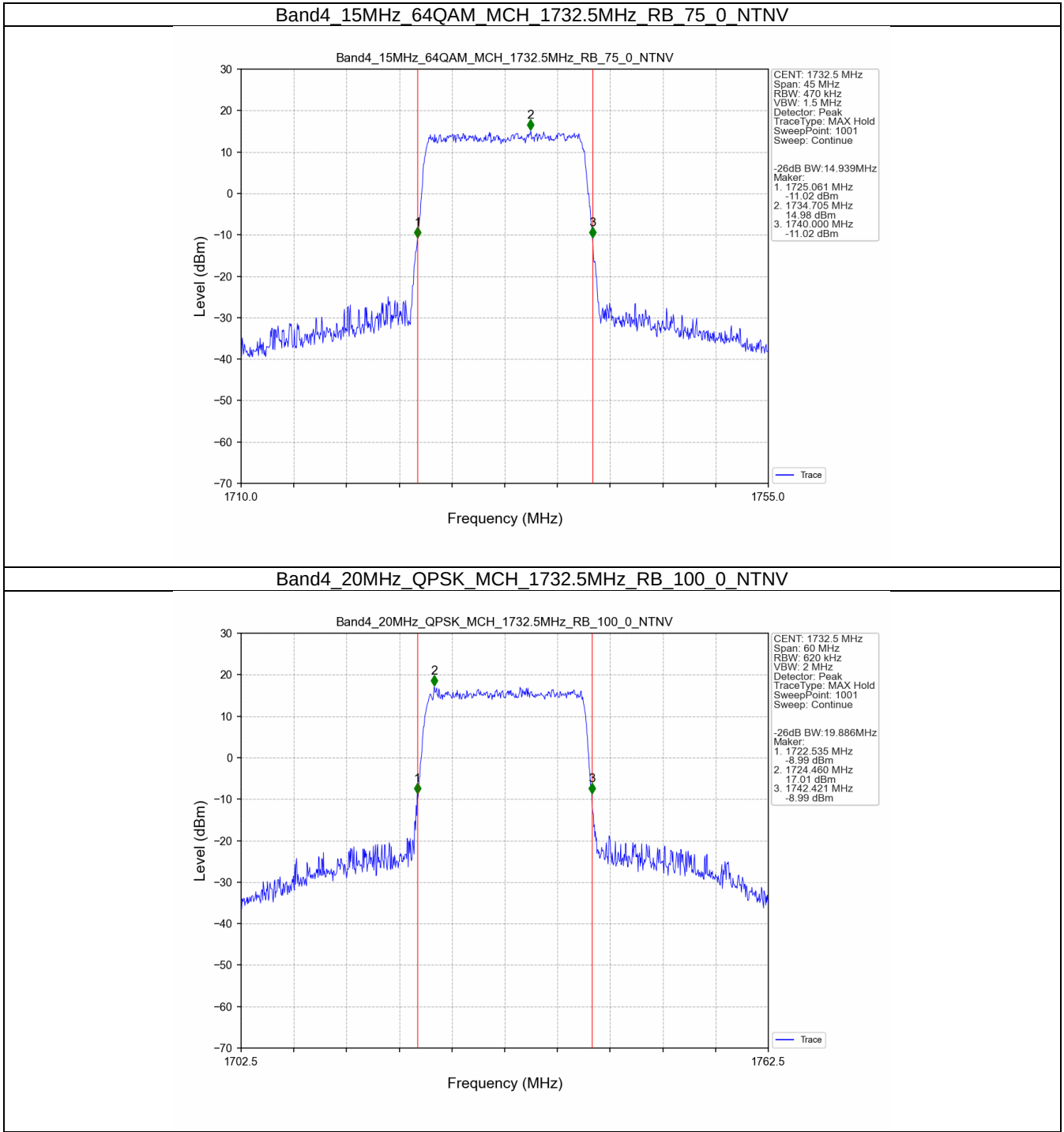
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

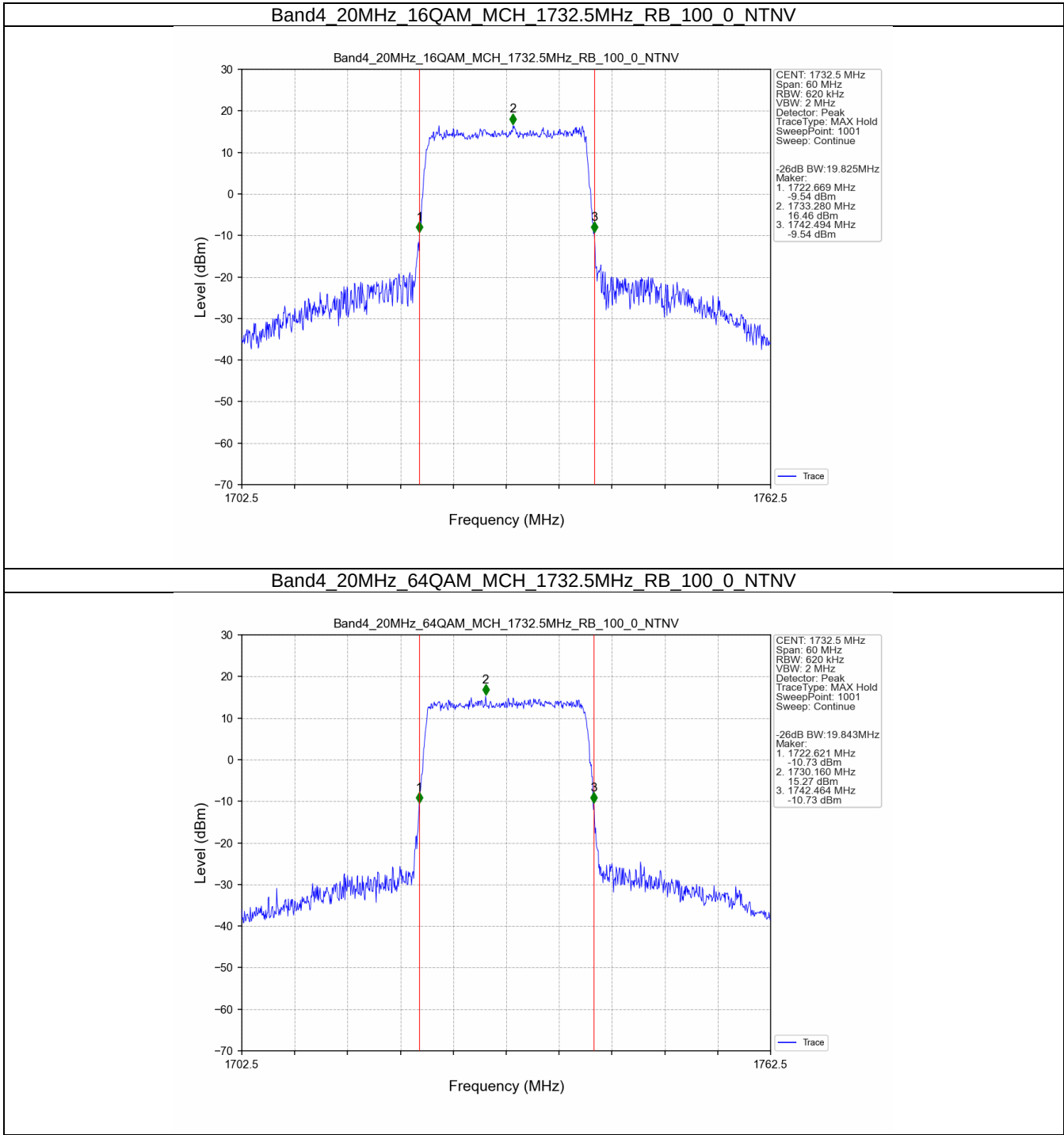


Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV









4. Peak-Average Ratio

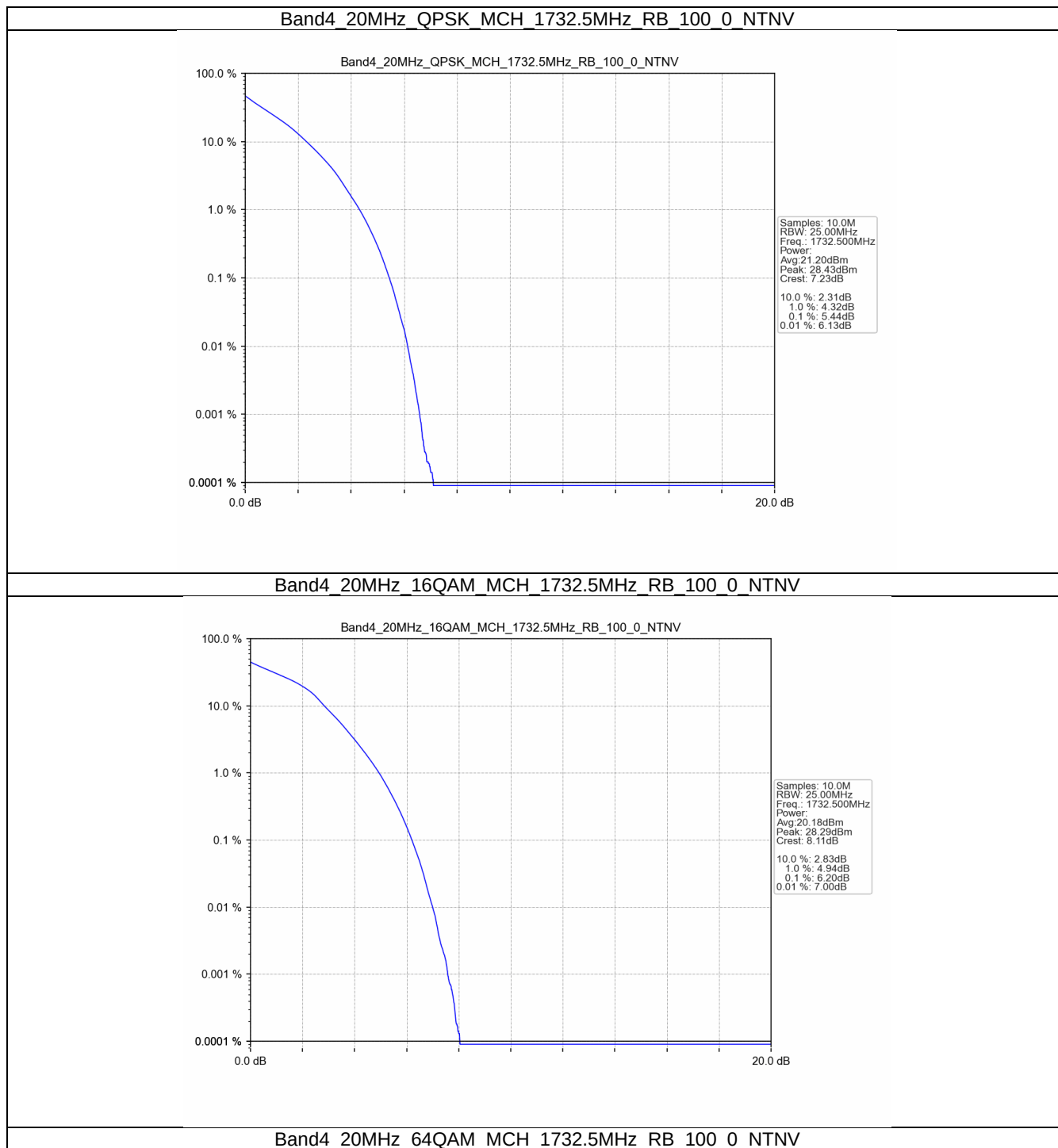
4.1 Test Result

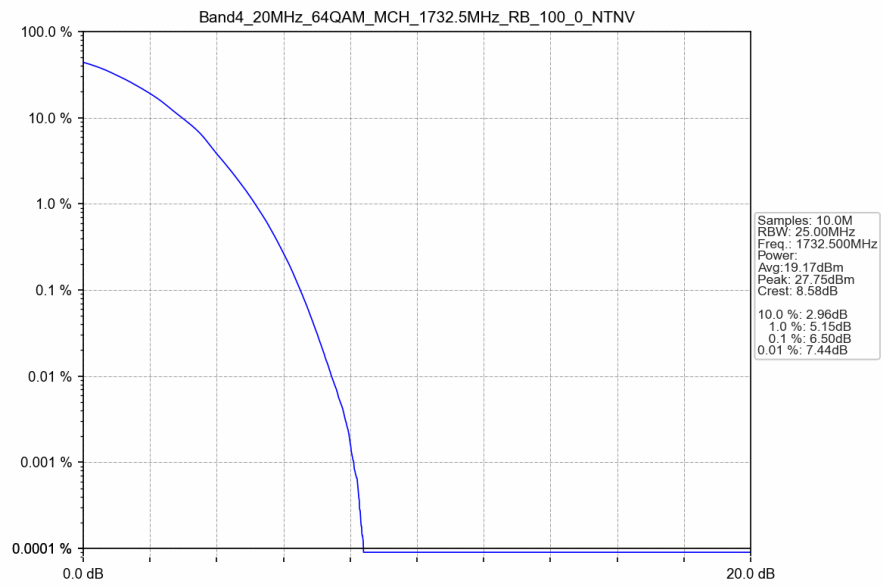
4.1.1 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	5.44	<=13	Pass
16QAM	1732.5	100	0	6.20	<=13	Pass
64QAM	1732.5	100	0	6.50	<=13	Pass

4.2 Test Graph

4.2.1 B4_20MHz





5. Spurious Emission

5.1 Test Result

5.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1754.3	1	0	Refer To Test Graph	
	5			Refer To Test Graph		Pass
	6		0	Refer To Test Graph		Pass

5.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.5 B4_15MHz

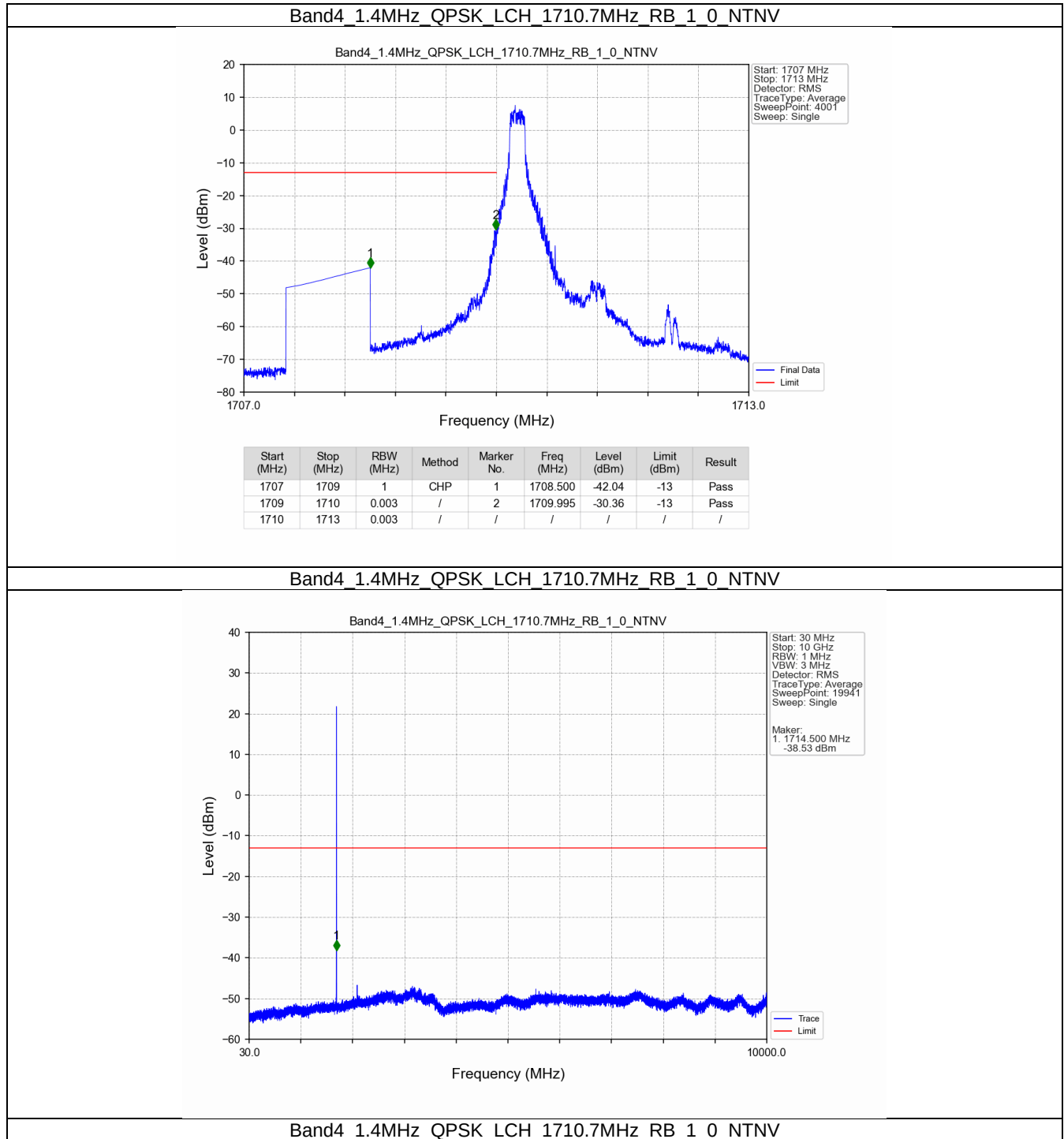
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

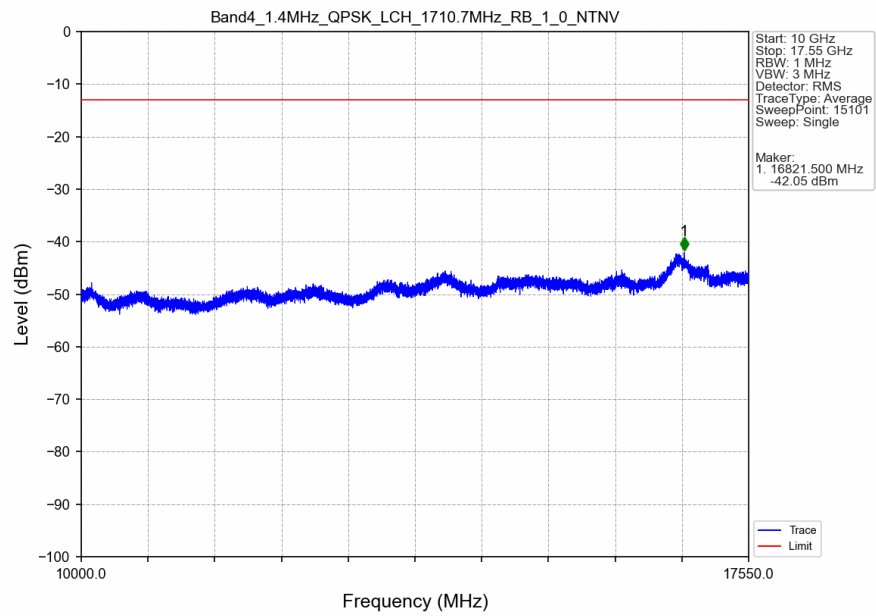
5.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

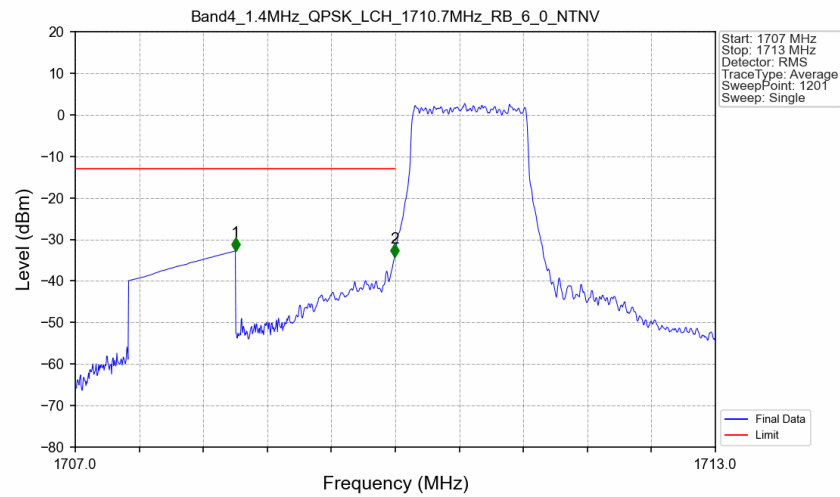
5.2 Test Graph

5.2.1 B4_1.4MHz



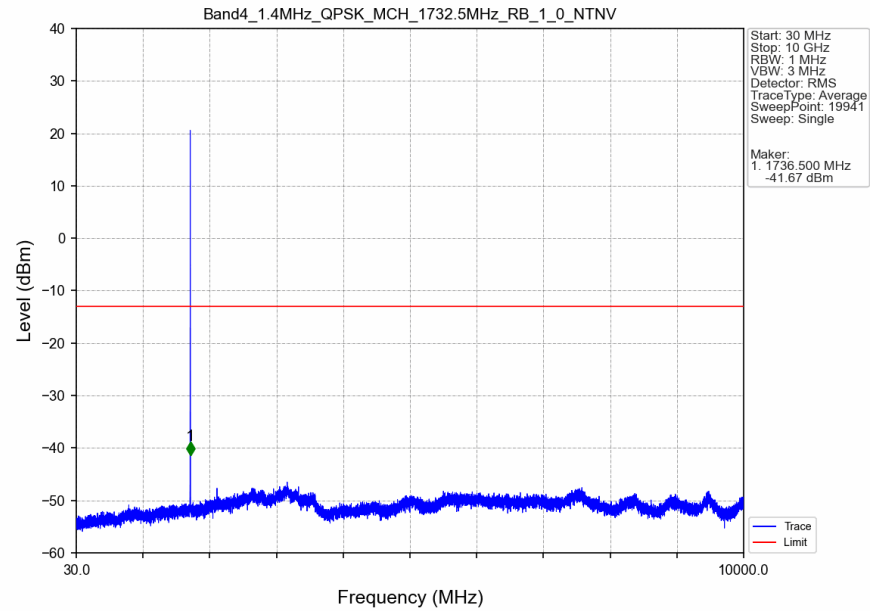


Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTNV

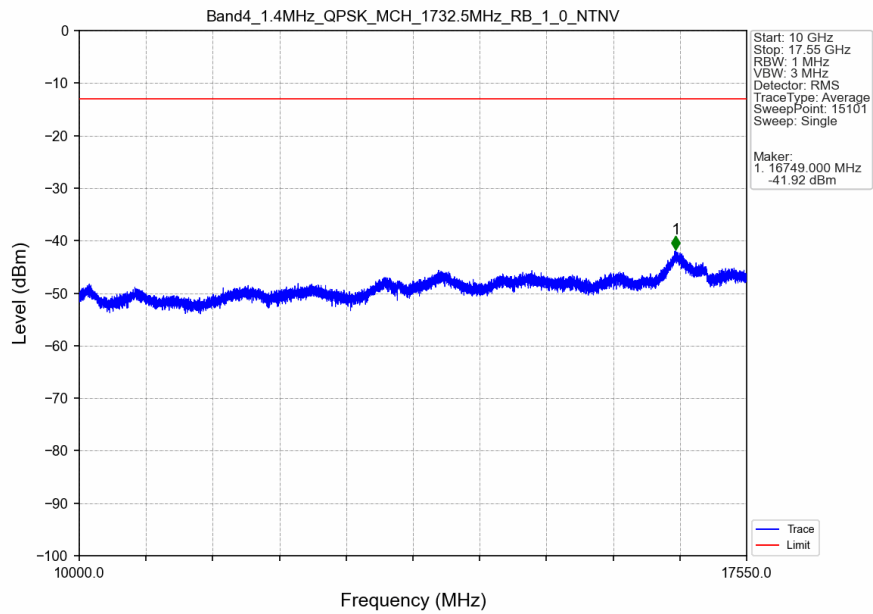


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-32.77	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-34.18	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

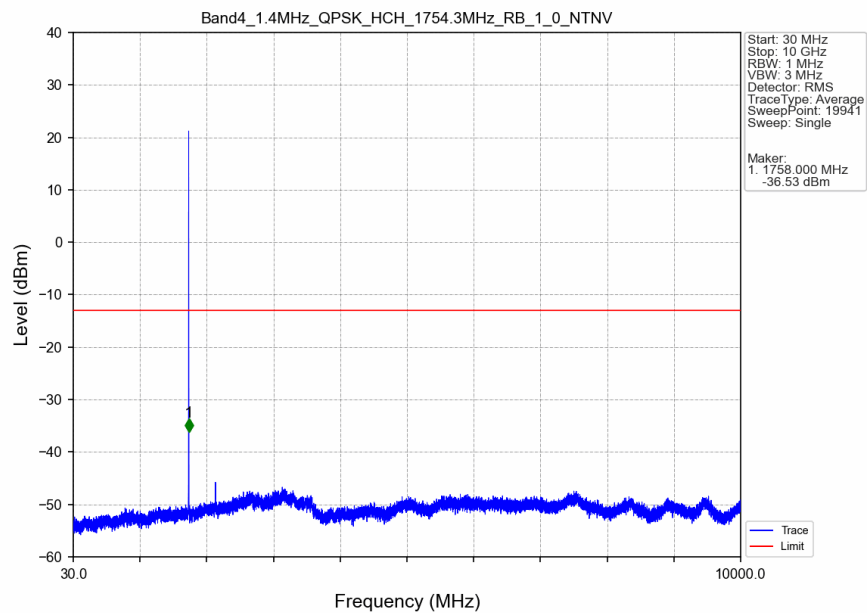
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



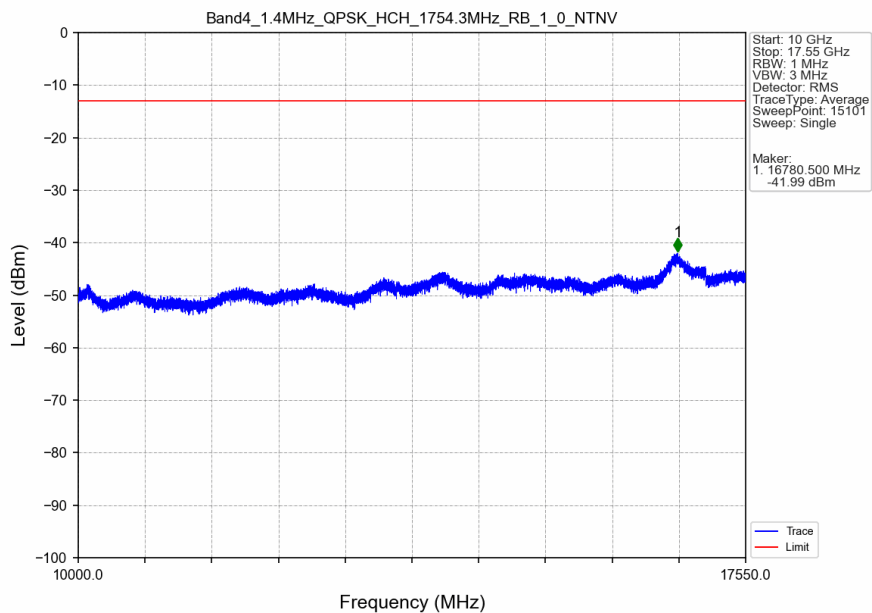
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



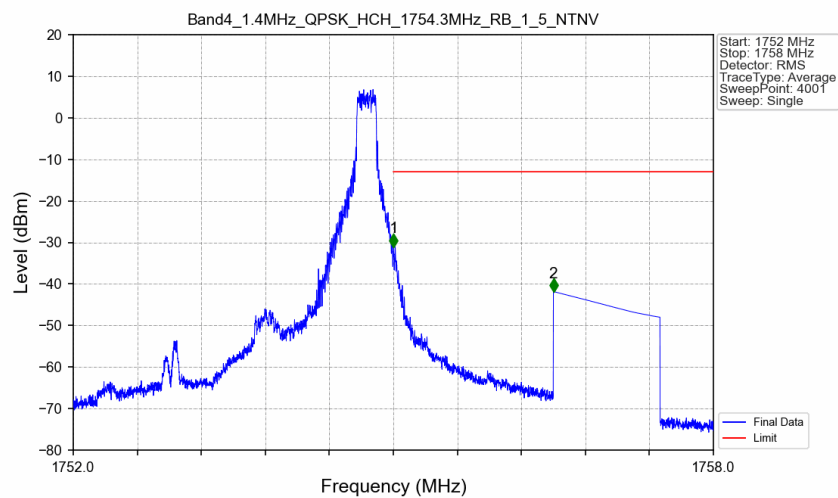
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

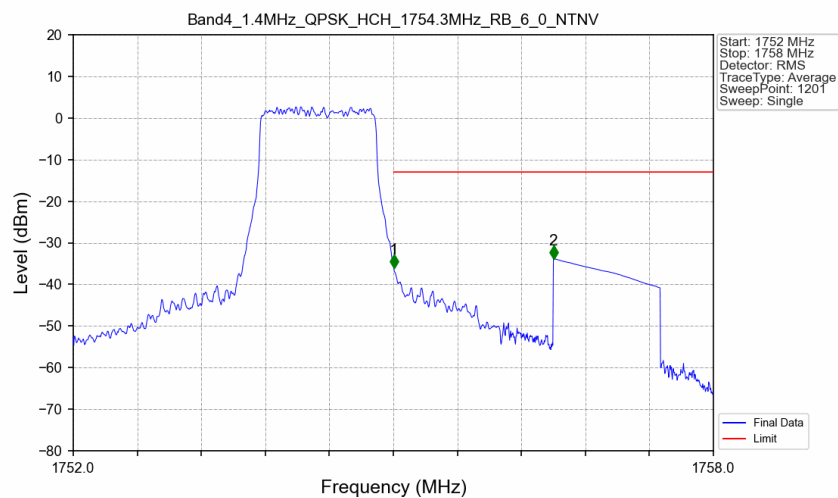


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-31.04	-13	Pass
1756	1758	1	CHP	2	1756.500	-41.83	-13	Pass

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.005	-36.11	-13	Pass
1756	1758	1	CHP	2	1756.500	-33.86	-13	Pass