

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.41	0.30	23.71	<=30	Pass
			2	23.46	0.30	23.76	<=30	Pass
			5	23.42	0.30	23.72	<=30	Pass
		3	0	23.56	0.30	23.86	<=30	Pass
			2	23.57	0.30	23.87	<=30	Pass
			3	23.52	0.30	23.82	<=30	Pass
		6	0	22.63	0.30	22.93	<=30	Pass
	1732.5	1	0	23.43	0.30	23.73	<=30	Pass
			2	23.51	0.30	23.81	<=30	Pass
			5	23.43	0.30	23.73	<=30	Pass
		3	0	23.52	0.30	23.82	<=30	Pass
			2	23.53	0.30	23.83	<=30	Pass
			3	23.54	0.30	23.84	<=30	Pass
		6	0	22.59	0.30	22.89	<=30	Pass
	1754.3	1	0	23.25	0.30	23.55	<=30	Pass
			2	23.26	0.30	23.56	<=30	Pass
			5	23.23	0.30	23.53	<=30	Pass
		3	0	23.35	0.30	23.65	<=30	Pass
			2	23.38	0.30	23.68	<=30	Pass
			3	23.35	0.30	23.65	<=30	Pass
		6	0	22.43	0.30	22.73	<=30	Pass
16QAM	1710.7	1	0	22.56	0.30	22.86	<=30	Pass
			2	22.61	0.30	22.91	<=30	Pass
			5	22.53	0.30	22.83	<=30	Pass
		3	0	22.47	0.30	22.77	<=30	Pass
			2	22.50	0.30	22.80	<=30	Pass
			3	22.52	0.30	22.82	<=30	Pass
		6	0	21.63	0.30	21.93	<=30	Pass
	1732.5	1	0	22.41	0.30	22.71	<=30	Pass
			2	22.46	0.30	22.76	<=30	Pass
			5	22.45	0.30	22.75	<=30	Pass
		3	0	22.58	0.30	22.88	<=30	Pass
			2	22.58	0.30	22.88	<=30	Pass
			3	22.58	0.30	22.88	<=30	Pass
		6	0	21.54	0.30	21.84	<=30	Pass
	1754.3	1	0	22.19	0.30	22.49	<=30	Pass
			2	22.23	0.30	22.53	<=30	Pass
			5	22.20	0.30	22.50	<=30	Pass
		3	0	22.50	0.30	22.80	<=30	Pass
			2	22.53	0.30	22.83	<=30	Pass
			3	22.55	0.30	22.85	<=30	Pass
		6	0	21.42	0.30	21.72	<=30	Pass
64QAM	1710.7	1	0	21.71	0.30	22.01	<=30	Pass
			2	21.77	0.30	22.07	<=30	Pass
			5	21.66	0.30	21.96	<=30	Pass
		3	0	21.73	0.30	22.03	<=30	Pass
			2	21.78	0.30	22.08	<=30	Pass
			3	21.76	0.30	22.06	<=30	Pass
		6	0	20.95	0.30	21.25	<=30	Pass

	1732.5	1	0	21.65	0.30	21.95	<=30	Pass
			2	21.72	0.30	22.02	<=30	Pass
			5	21.71	0.30	22.01	<=30	Pass
		3	0	21.57	0.30	21.87	<=30	Pass
			2	21.57	0.30	21.87	<=30	Pass
			3	21.59	0.30	21.89	<=30	Pass
	1754.3	6	0	20.78	0.30	21.08	<=30	Pass
			0	21.77	0.30	22.07	<=30	Pass
			2	21.85	0.30	22.15	<=30	Pass
		1	5	21.72	0.30	22.02	<=30	Pass
			0	21.72	0.30	22.02	<=30	Pass
			2	21.74	0.30	22.04	<=30	Pass
		3	3	21.71	0.30	22.01	<=30	Pass
			0	20.45	0.30	20.75	<=30	Pass
			0	20.45	0.30	20.75	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.30	0.30	23.60	<=30	Pass
			7	23.40	0.30	23.70	<=30	Pass
			14	23.29	0.30	23.59	<=30	Pass
		8	0	22.52	0.30	22.82	<=30	Pass
			4	22.54	0.30	22.84	<=30	Pass
			7	22.49	0.30	22.79	<=30	Pass
		15	0	22.48	0.30	22.78	<=30	Pass
	1732.5	1	0	23.32	0.30	23.62	<=30	Pass
			7	23.43	0.30	23.73	<=30	Pass
			14	23.28	0.30	23.58	<=30	Pass
		8	0	22.55	0.30	22.85	<=30	Pass
			4	22.57	0.30	22.87	<=30	Pass
			7	22.49	0.30	22.79	<=30	Pass
		15	0	22.49	0.30	22.79	<=30	Pass
	1753.5	1	0	23.16	0.30	23.46	<=30	Pass
			7	23.29	0.30	23.59	<=30	Pass
			14	23.15	0.30	23.45	<=30	Pass
		8	0	22.35	0.30	22.65	<=30	Pass
			4	22.41	0.30	22.71	<=30	Pass
			7	22.31	0.30	22.61	<=30	Pass
		15	0	22.27	0.30	22.57	<=30	Pass
16QAM	1711.5	1	0	22.79	0.30	23.09	<=30	Pass
			7	22.90	0.30	23.20	<=30	Pass
			14	22.74	0.30	23.04	<=30	Pass
		8	0	21.63	0.30	21.93	<=30	Pass
			4	21.70	0.30	22.00	<=30	Pass
			7	21.66	0.30	21.96	<=30	Pass
		15	0	21.53	0.30	21.83	<=30	Pass
	1732.5	1	0	22.43	0.30	22.73	<=30	Pass
			7	22.57	0.30	22.87	<=30	Pass
			14	22.44	0.30	22.74	<=30	Pass
		8	0	21.50	0.30	21.80	<=30	Pass
			4	21.54	0.30	21.84	<=30	Pass
			7	21.49	0.30	21.79	<=30	Pass
		15	0	21.45	0.30	21.75	<=30	Pass
	1753.5	1	0	22.11	0.30	22.41	<=30	Pass

64QAM			7	22.25	0.30	22.55	<=30	Pass
			14	22.10	0.30	22.40	<=30	Pass
			0	21.40	0.30	21.70	<=30	Pass
		8	4	21.43	0.30	21.73	<=30	Pass
			7	21.36	0.30	21.66	<=30	Pass
			15	21.33	0.30	21.63	<=30	Pass
	1711.5	1	0	21.71	0.30	22.01	<=30	Pass
			7	21.77	0.30	22.07	<=30	Pass
			14	21.68	0.30	21.98	<=30	Pass
		8	0	20.73	0.30	21.03	<=30	Pass
			4	20.71	0.30	21.01	<=30	Pass
			7	20.59	0.30	20.89	<=30	Pass
		15	0	20.55	0.30	20.85	<=30	Pass
		1	0	21.56	0.30	21.86	<=30	Pass
			7	21.70	0.30	22.00	<=30	Pass
			14	21.59	0.30	21.89	<=30	Pass
		8	0	20.65	0.30	20.95	<=30	Pass
			4	20.65	0.30	20.95	<=30	Pass
			7	20.60	0.30	20.90	<=30	Pass
		15	0	20.59	0.30	20.89	<=30	Pass
	1753.5	1	0	21.43	0.30	21.73	<=30	Pass
			7	21.51	0.30	21.81	<=30	Pass
			14	21.34	0.30	21.64	<=30	Pass
		8	0	20.36	0.30	20.66	<=30	Pass
			4	20.32	0.30	20.62	<=30	Pass
			7	20.27	0.30	20.57	<=30	Pass
		15	0	20.39	0.30	20.69	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.56	0.30	23.86	<=30	Pass
			13	23.68	0.30	23.98	<=30	Pass
			24	23.50	0.30	23.80	<=30	Pass
		12	0	22.52	0.30	22.82	<=30	Pass
			6	22.60	0.30	22.90	<=30	Pass
			13	22.58	0.30	22.88	<=30	Pass
		25	0	22.57	0.30	22.87	<=30	Pass
	1732.5	1	0	23.55	0.30	23.85	<=30	Pass
			13	23.66	0.30	23.96	<=30	Pass
			24	23.53	0.30	23.83	<=30	Pass
		12	0	22.56	0.30	22.86	<=30	Pass
			6	22.62	0.30	22.92	<=30	Pass
			13	22.59	0.30	22.89	<=30	Pass
		25	0	22.59	0.30	22.89	<=30	Pass
	1752.5	1	0	23.44	0.30	23.74	<=30	Pass
			13	23.52	0.30	23.82	<=30	Pass
			24	23.38	0.30	23.68	<=30	Pass
		12	0	22.37	0.30	22.67	<=30	Pass
			6	22.47	0.30	22.77	<=30	Pass
			13	22.41	0.30	22.71	<=30	Pass
		25	0	22.41	0.30	22.71	<=30	Pass
16QAM	1712.5	1	0	22.37	0.30	22.67	<=30	Pass
			13	22.55	0.30	22.85	<=30	Pass

				24	22.37	0.30	22.67	<=30	Pass
			12	0	21.51	0.30	21.81	<=30	Pass
				6	21.59	0.30	21.89	<=30	Pass
				13	21.60	0.30	21.90	<=30	Pass
			25	0	21.61	0.30	21.91	<=30	Pass
		1732.5	1	0	22.83	0.30	23.13	<=30	Pass
				13	22.91	0.30	23.21	<=30	Pass
				24	22.78	0.30	23.08	<=30	Pass
			12	0	21.61	0.30	21.91	<=30	Pass
				6	21.66	0.30	21.96	<=30	Pass
	13			21.63	0.30	21.93	<=30	Pass	
	25		0	21.63	0.30	21.93	<=30	Pass	
	1752.5		1	0	22.50	0.30	22.80	<=30	Pass
				13	22.56	0.30	22.86	<=30	Pass
		24		22.44	0.30	22.74	<=30	Pass	
		12	0	21.34	0.30	21.64	<=30	Pass	
			6	21.42	0.30	21.72	<=30	Pass	
			13	21.37	0.30	21.67	<=30	Pass	
		25	0	21.44	0.30	21.74	<=30	Pass	

64QAM	1712.5	1	0	21.50	0.30	21.80	<=30	Pass	
			13	21.62	0.30	21.92	<=30	Pass	
			24	21.47	0.30	21.77	<=30	Pass	
		12	0	20.66	0.30	20.96	<=30	Pass	
			6	20.72	0.30	21.02	<=30	Pass	
			13	20.66	0.30	20.96	<=30	Pass	
		25	0	20.68	0.30	20.98	<=30	Pass	
		1732.5	1	0	21.95	0.30	22.25	<=30	Pass
				13	22.07	0.30	22.37	<=30	Pass
				24	21.93	0.30	22.23	<=30	Pass
	12		0	20.59	0.30	20.89	<=30	Pass	
			6	20.63	0.30	20.93	<=30	Pass	
			13	20.60	0.30	20.90	<=30	Pass	
	25		0	20.69	0.30	20.99	<=30	Pass	
	1752.5	1	0	21.64	0.30	21.94	<=30	Pass	
			13	21.71	0.30	22.01	<=30	Pass	
			24	21.60	0.30	21.90	<=30	Pass	
		12	0	20.51	0.30	20.81	<=30	Pass	
			6	20.60	0.30	20.90	<=30	Pass	
			13	20.57	0.30	20.87	<=30	Pass	
		25	0	20.53	0.30	20.83	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain									
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1.1.4 B4_10MHz_EIRP

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	23.67	0.30	23.97	<=30	Pass
			25	23.63	0.30	23.93	<=30	Pass
			49	23.56	0.30	23.86	<=30	Pass
		25	0	22.51	0.30	22.81	<=30	Pass
			13	22.60	0.30	22.90	<=30	Pass
			25	22.52	0.30	22.82	<=30	Pass
		50	0	22.57	0.30	22.87	<=30	Pass
	1732.5	1	0	23.66	0.30	23.96	<=30	Pass
			25	23.68	0.30	23.98	<=30	Pass
			49	23.61	0.30	23.91	<=30	Pass

		25	0	22.61	0.30	22.91	<=30	Pass
			13	22.62	0.30	22.92	<=30	Pass
			25	22.62	0.30	22.92	<=30	Pass
		50	0	22.66	0.30	22.96	<=30	Pass
	1750	1	0	23.62	0.30	23.92	<=30	Pass
			25	23.59	0.30	23.89	<=30	Pass
			49	23.47	0.30	23.77	<=30	Pass
		25	0	22.46	0.30	22.76	<=30	Pass
			13	22.52	0.30	22.82	<=30	Pass
			25	22.43	0.30	22.73	<=30	Pass
		50	0	22.48	0.30	22.78	<=30	Pass
16QAM		1715	1	0	23.13	0.30	23.43	<=30
	25			23.13	0.30	23.43	<=30	Pass
	49			23.06	0.30	23.36	<=30	Pass
	25		0	21.59	0.30	21.89	<=30	Pass
			13	21.69	0.30	21.99	<=30	Pass
			25	21.64	0.30	21.94	<=30	Pass
	50		0	21.55	0.30	21.85	<=30	Pass
	1732.5	1	0	22.81	0.30	23.11	<=30	Pass
			25	22.83	0.30	23.13	<=30	Pass
			49	22.75	0.30	23.05	<=30	Pass
		25	0	21.65	0.30	21.95	<=30	Pass
			13	21.70	0.30	22.00	<=30	Pass
			25	21.66	0.30	21.96	<=30	Pass
		50	0	21.63	0.30	21.93	<=30	Pass
	1750	1	0	22.59	0.30	22.89	<=30	Pass
			25	22.56	0.30	22.86	<=30	Pass
			49	22.44	0.30	22.74	<=30	Pass
		25	0	21.53	0.30	21.83	<=30	Pass
			13	21.64	0.30	21.94	<=30	Pass
			25	21.53	0.30	21.83	<=30	Pass
		50	0	21.47	0.30	21.77	<=30	Pass
64QAM	1715	1	0	21.93	0.30	22.23	<=30	Pass
			25	21.93	0.30	22.23	<=30	Pass
			49	21.86	0.30	22.16	<=30	Pass
		25	0	20.67	0.30	20.97	<=30	Pass
			13	20.77	0.30	21.07	<=30	Pass
			25	20.65	0.30	20.95	<=30	Pass
		50	0	20.65	0.30	20.95	<=30	Pass
	1732.5	1	0	21.85	0.30	22.15	<=30	Pass
			25	21.83	0.30	22.13	<=30	Pass
			49	21.79	0.30	22.09	<=30	Pass
		25	0	20.75	0.30	21.05	<=30	Pass
			13	20.83	0.30	21.13	<=30	Pass
			25	20.83	0.30	21.13	<=30	Pass
		50	0	20.80	0.30	21.10	<=30	Pass
	1750	1	0	21.73	0.30	22.03	<=30	Pass
			25	21.71	0.30	22.01	<=30	Pass
			49	21.56	0.30	21.86	<=30	Pass
		25	0	20.61	0.30	20.91	<=30	Pass
			13	20.70	0.30	21.00	<=30	Pass
			25	20.65	0.30	20.95	<=30	Pass
		50	0	20.59	0.30	20.89	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.60	0.30	23.90	<=30	Pass
			38	23.64	0.30	23.94	<=30	Pass
			74	23.56	0.30	23.86	<=30	Pass
		36	0	22.61	0.30	22.91	<=30	Pass
			18	22.63	0.30	22.93	<=30	Pass
			39	22.63	0.30	22.93	<=30	Pass
		75	0	22.62	0.30	22.92	<=30	Pass
	1732.5	1	0	23.60	0.30	23.90	<=30	Pass
			38	23.67	0.30	23.97	<=30	Pass
			74	23.59	0.30	23.89	<=30	Pass
		36	0	22.65	0.30	22.95	<=30	Pass
			18	22.68	0.30	22.98	<=30	Pass
			39	22.69	0.30	22.99	<=30	Pass
		75	0	22.71	0.30	23.01	<=30	Pass
	1747.5	1	0	23.61	0.30	23.91	<=30	Pass
			38	23.63	0.30	23.93	<=30	Pass
			74	23.42	0.30	23.72	<=30	Pass
		36	0	22.60	0.30	22.90	<=30	Pass
			18	22.64	0.30	22.94	<=30	Pass
			39	22.56	0.30	22.86	<=30	Pass
		75	0	22.60	0.30	22.90	<=30	Pass
16QAM	1717.5	1	0	23.08	0.30	23.38	<=30	Pass
			38	23.14	0.30	23.44	<=30	Pass
			74	23.03	0.30	23.33	<=30	Pass
		36	0	21.61	0.30	21.91	<=30	Pass
			18	21.62	0.30	21.92	<=30	Pass
			39	21.62	0.30	21.92	<=30	Pass
		75	0	21.59	0.30	21.89	<=30	Pass
	1732.5	1	0	22.77	0.30	23.07	<=30	Pass
			38	22.83	0.30	23.13	<=30	Pass
			74	22.76	0.30	23.06	<=30	Pass
		36	0	21.64	0.30	21.94	<=30	Pass
			18	21.70	0.30	22.00	<=30	Pass
			39	21.66	0.30	21.96	<=30	Pass
		75	0	21.67	0.30	21.97	<=30	Pass
	1747.5	1	0	22.94	0.30	23.24	<=30	Pass
			38	22.94	0.30	23.24	<=30	Pass
			74	22.72	0.30	23.02	<=30	Pass
		36	0	21.56	0.30	21.86	<=30	Pass
			18	21.58	0.30	21.88	<=30	Pass
			39	21.52	0.30	21.82	<=30	Pass
		75	0	21.59	0.30	21.89	<=30	Pass
64QAM	1717.5	1	0	21.93	0.30	22.23	<=30	Pass
			38	21.92	0.30	22.22	<=30	Pass
			74	21.80	0.30	22.10	<=30	Pass
		36	0	20.68	0.30	20.98	<=30	Pass
			18	20.68	0.30	20.98	<=30	Pass
			39	20.69	0.30	20.99	<=30	Pass
		75	0	20.65	0.30	20.95	<=30	Pass
	1732.5	1	0	21.80	0.30	22.10	<=30	Pass
			38	21.86	0.30	22.16	<=30	Pass
			74	21.77	0.30	22.07	<=30	Pass

		36	0	20.77	0.30	21.07	<=30	Pass
			18	20.81	0.30	21.11	<=30	Pass
			39	20.79	0.30	21.09	<=30	Pass
		75	0	20.76	0.30	21.06	<=30	Pass
	1747.5	1	0	22.15	0.30	22.45	<=30	Pass
			38	22.20	0.30	22.50	<=30	Pass
			74	21.94	0.30	22.24	<=30	Pass
		36	0	20.66	0.30	20.96	<=30	Pass
			18	20.67	0.30	20.97	<=30	Pass
			39	20.60	0.30	20.90	<=30	Pass
		75	0	20.69	0.30	20.99	<=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	23.55	0.30	23.85	<=30	Pass
			50	23.67	0.30	23.97	<=30	Pass
			99	23.54	0.30	23.84	<=30	Pass
		50	0	22.58	0.30	22.88	<=30	Pass
			25	22.65	0.30	22.95	<=30	Pass
			50	22.58	0.30	22.88	<=30	Pass
		100	0	22.57	0.30	22.87	<=30	Pass
	1732.5	1	0	23.52	0.30	23.82	<=30	Pass
			50	23.71	0.30	24.01	<=30	Pass
			99	23.52	0.30	23.82	<=30	Pass
		50	0	22.59	0.30	22.89	<=30	Pass
			25	22.70	0.30	23.00	<=30	Pass
			50	22.67	0.30	22.97	<=30	Pass
		100	0	22.64	0.30	22.94	<=30	Pass
	1745	1	0	23.50	0.30	23.80	<=30	Pass
			50	23.64	0.30	23.94	<=30	Pass
			99	23.33	0.30	23.63	<=30	Pass
		50	0	22.55	0.30	22.85	<=30	Pass
			25	22.61	0.30	22.91	<=30	Pass
			50	22.61	0.30	22.91	<=30	Pass
		100	0	22.51	0.30	22.81	<=30	Pass
16QAM	1720	1	0	22.79	0.30	23.09	<=30	Pass
			50	22.91	0.30	23.21	<=30	Pass
			99	22.77	0.30	23.07	<=30	Pass
		50	0	21.54	0.30	21.84	<=30	Pass
			25	21.65	0.30	21.95	<=30	Pass
			50	21.58	0.30	21.88	<=30	Pass
		100	0	21.58	0.30	21.88	<=30	Pass
	1732.5	1	0	22.69	0.30	22.99	<=30	Pass
			50	22.87	0.30	23.17	<=30	Pass
			99	22.68	0.30	22.98	<=30	Pass
		50	0	21.63	0.30	21.93	<=30	Pass
			25	21.72	0.30	22.02	<=30	Pass
			50	21.70	0.30	22.00	<=30	Pass
		100	0	21.64	0.30	21.94	<=30	Pass
	1745	1	0	23.03	0.30	23.33	<=30	Pass
			50	23.16	0.30	23.46	<=30	Pass
			99	22.82	0.30	23.12	<=30	Pass
		50	0	21.52	0.30	21.82	<=30	Pass

64QAM	1720	100	25	21.61	0.30	21.91	<=30	Pass
			50	21.59	0.30	21.89	<=30	Pass
			0	21.53	0.30	21.83	<=30	Pass
		1	0	21.93	0.30	22.23	<=30	Pass
			50	22.06	0.30	22.36	<=30	Pass
			99	21.91	0.30	22.21	<=30	Pass
		50	0	20.69	0.30	20.99	<=30	Pass
			25	20.79	0.30	21.09	<=30	Pass
			50	20.74	0.30	21.04	<=30	Pass
		100	0	20.69	0.30	20.99	<=30	Pass
	1732.5	1	0	22.14	0.30	22.44	<=30	Pass
			50	22.35	0.30	22.65	<=30	Pass
			99	22.12	0.30	22.42	<=30	Pass
		50	0	20.77	0.30	21.07	<=30	Pass
			25	20.79	0.30	21.09	<=30	Pass
			50	20.84	0.30	21.14	<=30	Pass
		100	0	20.72	0.30	21.02	<=30	Pass
	1745	1	0	21.76	0.30	22.06	<=30	Pass
			50	21.88	0.30	22.18	<=30	Pass
			99	21.57	0.30	21.87	<=30	Pass
		50	0	20.62	0.30	20.92	<=30	Pass
			25	20.75	0.30	21.05	<=30	Pass
			50	20.68	0.30	20.98	<=30	Pass
		100	0	20.63	0.30	20.93	<=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	0.546	0.0003	-2.5 to 2.5	Pass
					NV	-1.023	-0.0006	-2.5 to 2.5	Pass
					HV	-3.023	-0.0017	-2.5 to 2.5	Pass
				-30	NV	-5.778	-0.0033	-2.5 to 2.5	Pass
				-20	NV	-4.960	-0.0029	-2.5 to 2.5	Pass
				-10	NV	-1.240	-0.0007	-2.5 to 2.5	Pass
				0	NV	-0.405	-0.0002	-2.5 to 2.5	Pass
				10	NV	2.957	0.0017	-2.5 to 2.5	Pass
				30	NV	4.959	0.0029	-2.5 to 2.5	Pass
				40	NV	-5.309	-0.0031	-2.5 to 2.5	Pass
				50	NV	0.521	0.0003	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

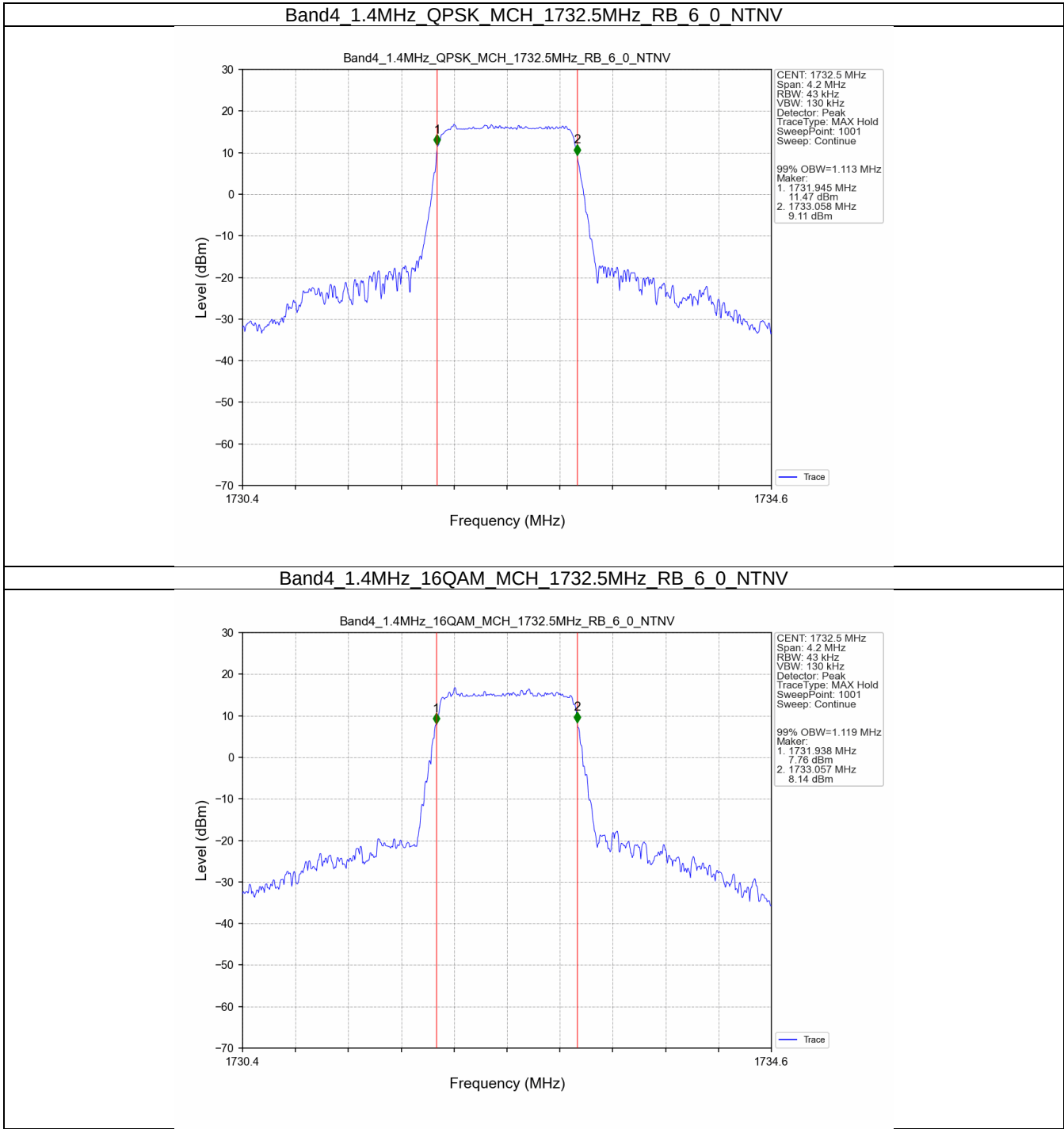
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.113	/	Pass
	16QAM	1732.5	6	0	1.119	/	Pass
	64QAM	1732.5	6	0	1.105	/	Pass
3	QPSK	1732.5	15	0	2.722	/	Pass
	16QAM	1732.5	15	0	2.735	/	Pass
	64QAM	1732.5	15	0	2.729	/	Pass
5	QPSK	1732.5	25	0	4.553	/	Pass
	16QAM	1732.5	25	0	4.538	/	Pass
	64QAM	1732.5	25	0	4.556	/	Pass
10	QPSK	1732.5	50	0	9.057	/	Pass
	16QAM	1732.5	50	0	9.050	/	Pass
	64QAM	1732.5	50	0	9.075	/	Pass
15	QPSK	1732.5	75	0	13.577	/	Pass
	16QAM	1732.5	75	0	13.614	/	Pass
	64QAM	1732.5	75	0	13.568	/	Pass
20	QPSK	1732.5	100	0	18.101	/	Pass
	16QAM	1732.5	100	0	18.145	/	Pass
	64QAM	1732.5	100	0	18.155	/	Pass

3.1.2 Band4_XDB

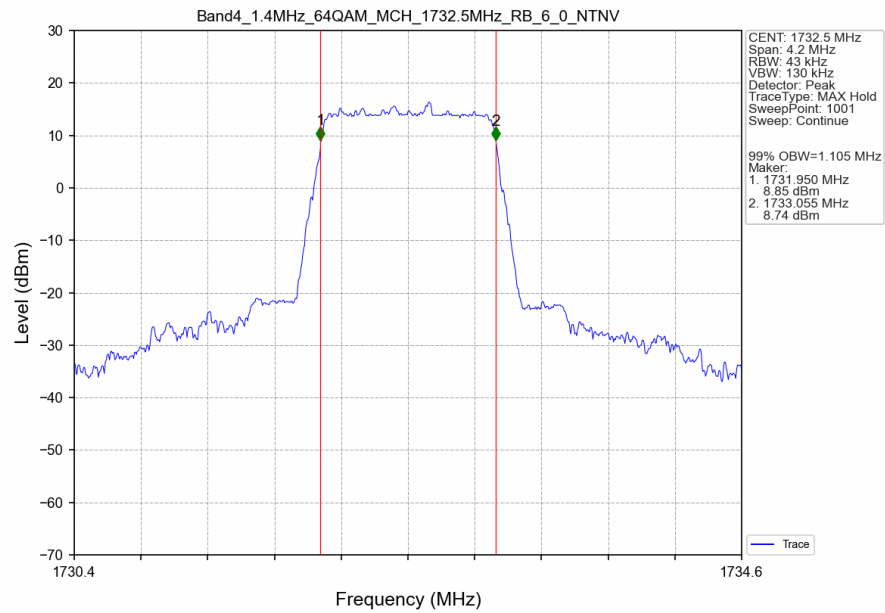
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.300	/	Pass
	16QAM	1732.5	6	0	1.304	/	Pass
	64QAM	1732.5	6	0	1.295	/	Pass
3	QPSK	1732.5	15	0	3.038	/	Pass
	16QAM	1732.5	15	0	3.031	/	Pass
	64QAM	1732.5	15	0	3.050	/	Pass
5	QPSK	1732.5	25	0	4.994	/	Pass
	16QAM	1732.5	25	0	4.977	/	Pass
	64QAM	1732.5	25	0	4.988	/	Pass
10	QPSK	1732.5	50	0	9.966	/	Pass
	16QAM	1732.5	50	0	9.900	/	Pass
	64QAM	1732.5	50	0	9.914	/	Pass
15	QPSK	1732.5	75	0	14.897	/	Pass
	16QAM	1732.5	75	0	14.843	/	Pass
	64QAM	1732.5	75	0	14.913	/	Pass
20	QPSK	1732.5	100	0	19.665	/	Pass
	16QAM	1732.5	100	0	19.697	/	Pass
	64QAM	1732.5	100	0	19.660	/	Pass

3.2 Test Graph

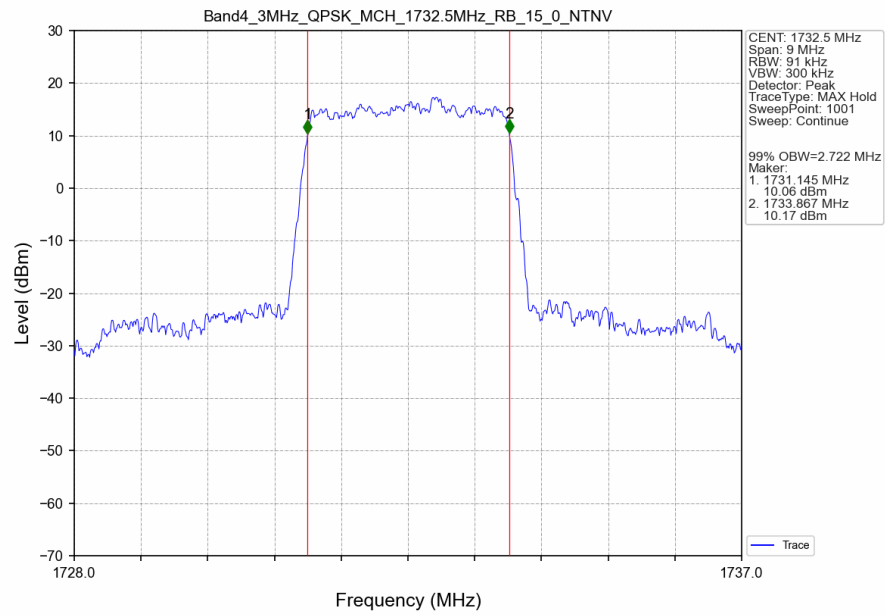
3.2.1 Band4_OBW



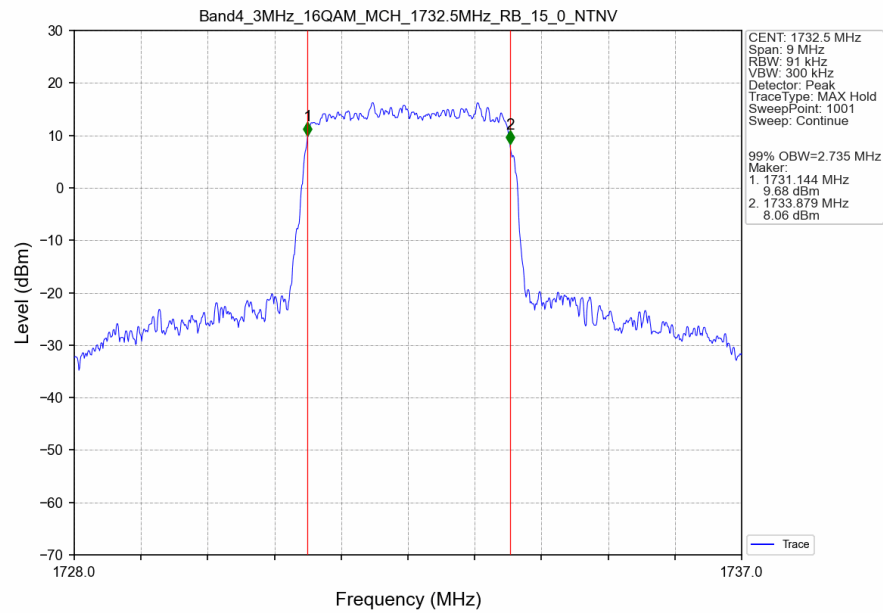
Band4 1.4MHz 64QAM MCH 1732.5MHz RB 6 0 NTNV



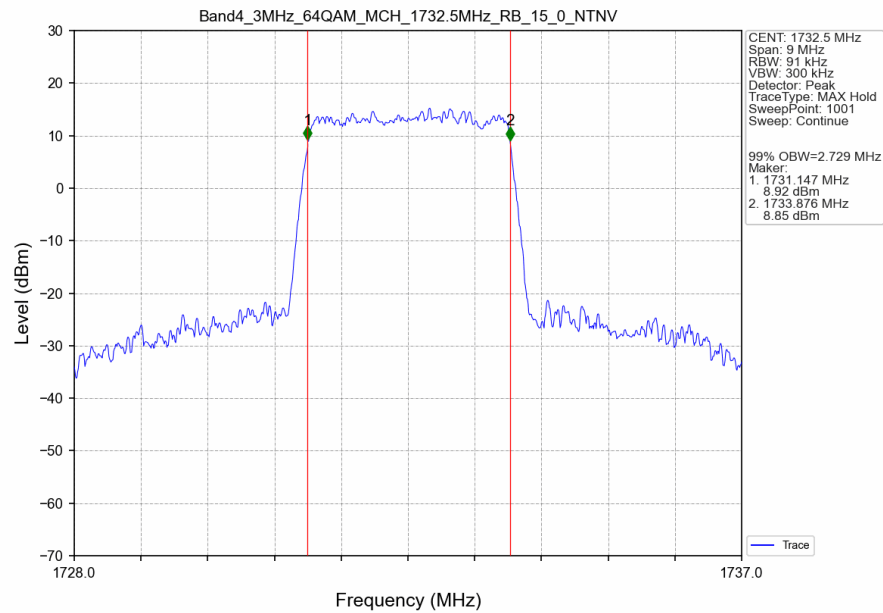
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



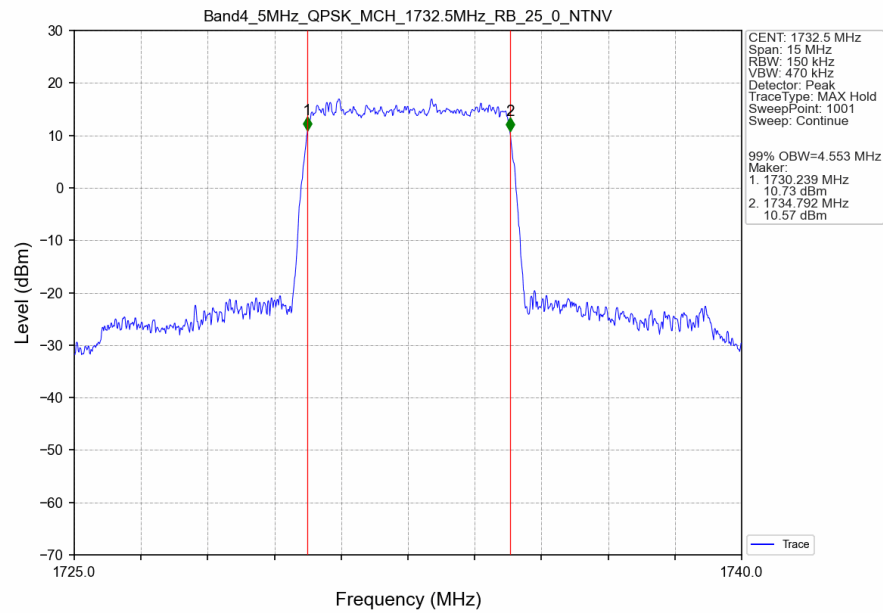
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTV



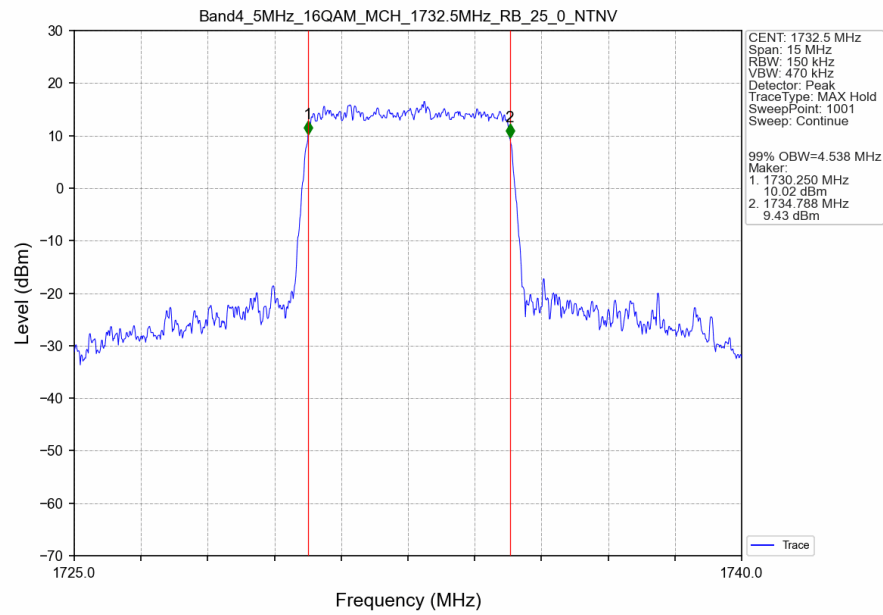
Band4 3MHz 64QAM MCH 1732.5MHz RB 15 0 NTV



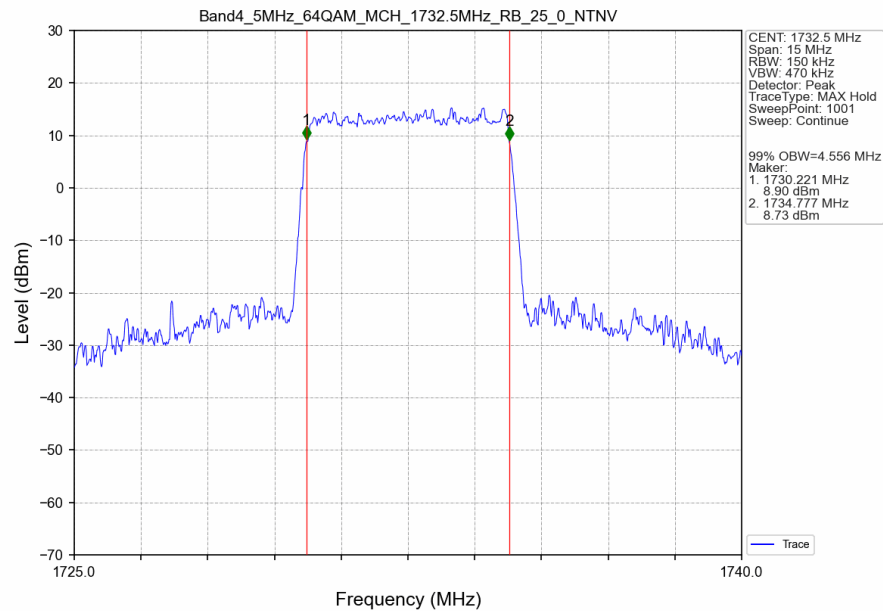
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTV



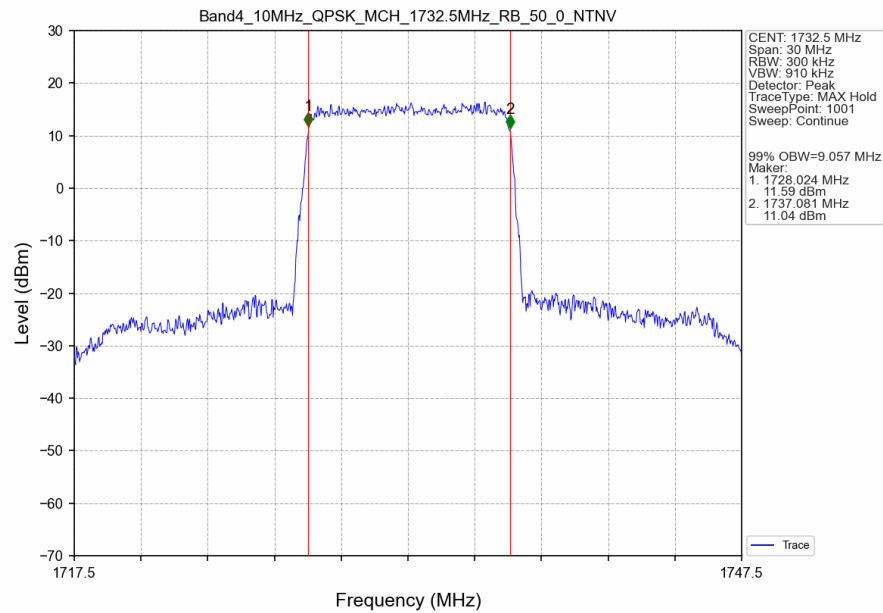
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTV



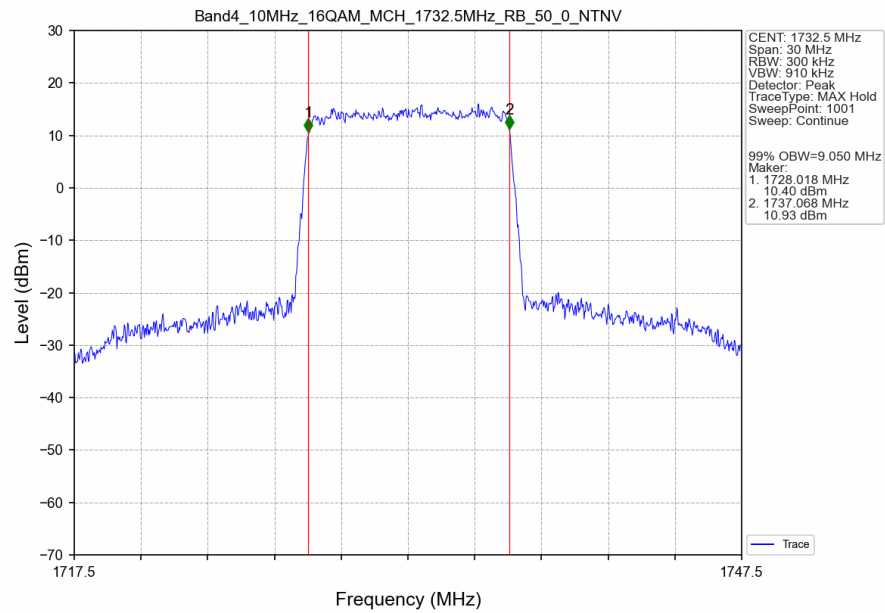
Band4 5MHz 64QAM MCH 1732.5MHz RB 25 0 NTNV



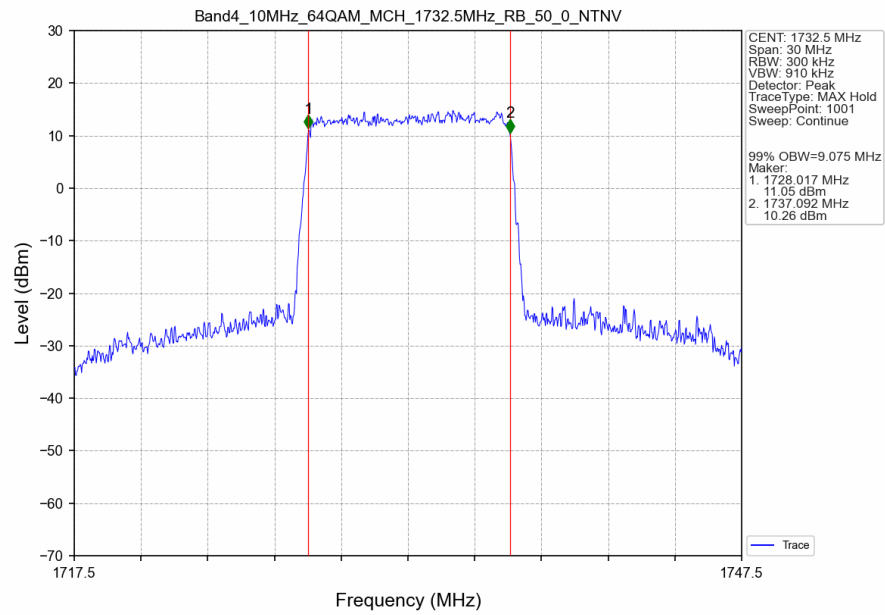
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV



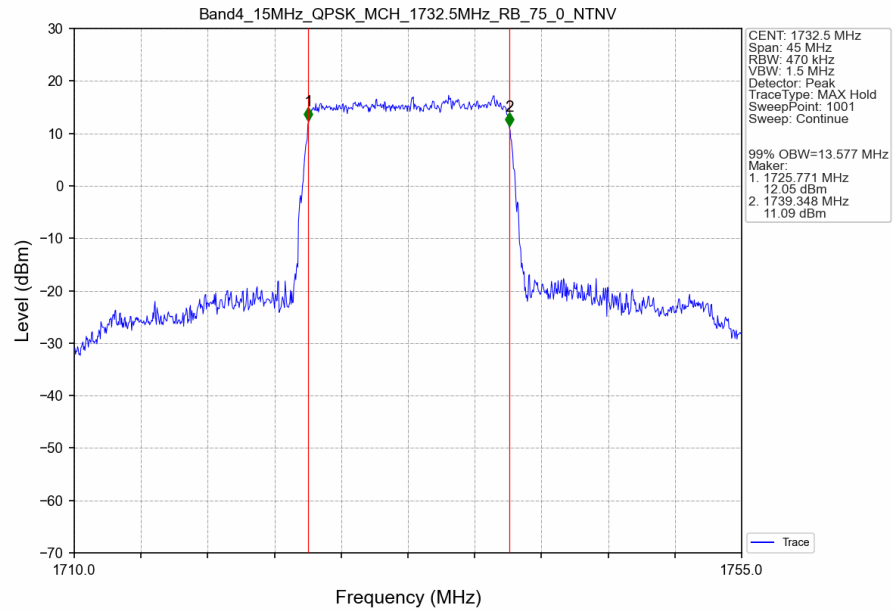
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTN



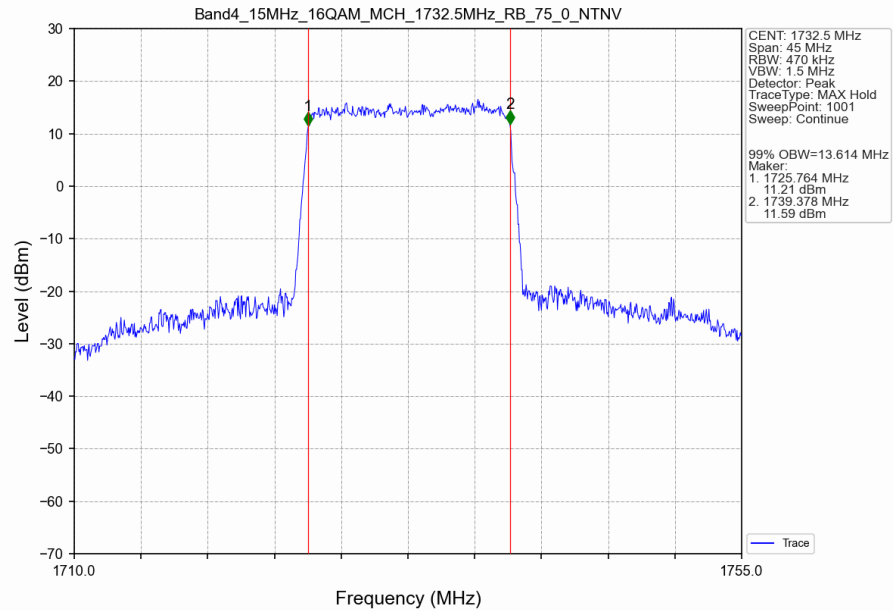
Band4 10MHz 64QAM MCH 1732.5MHz RB 50 0 NTN



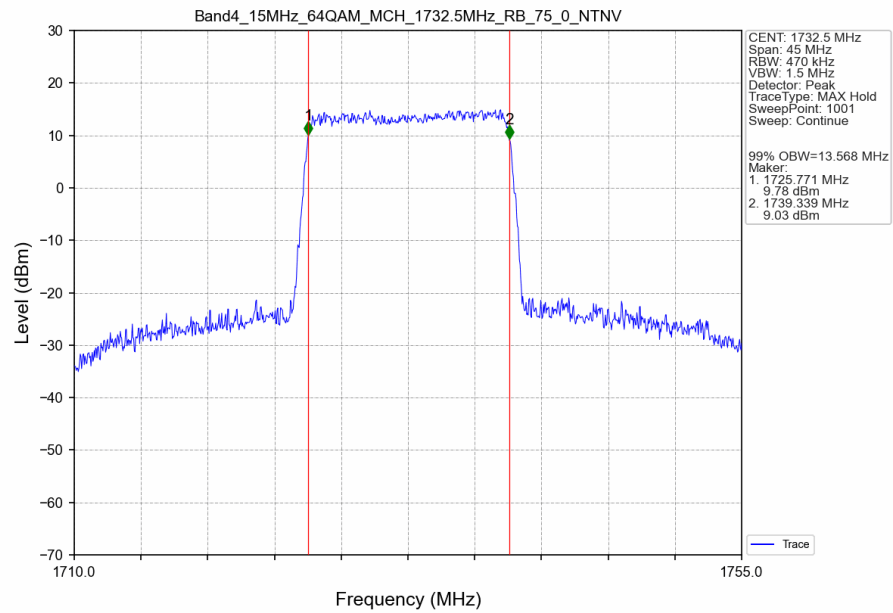
Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV



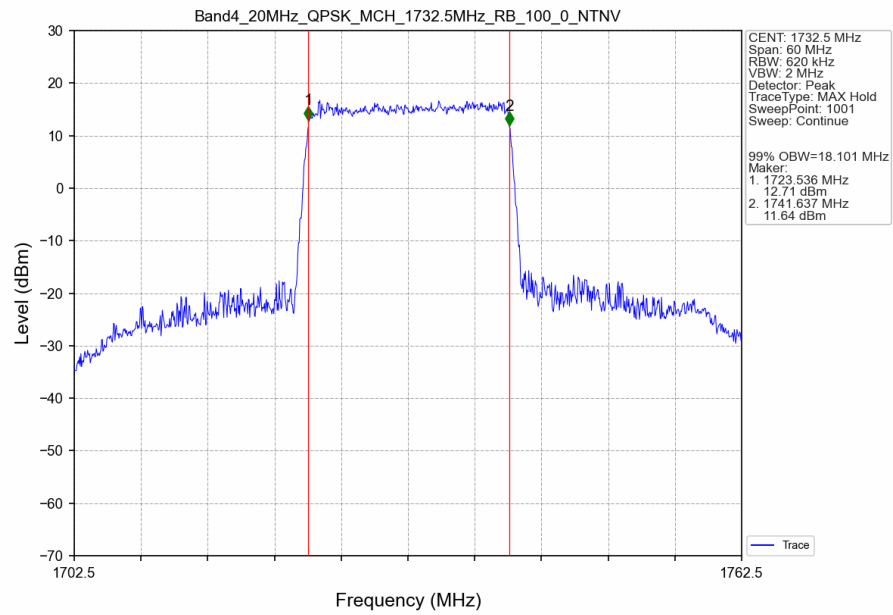
Band4 15MHz 16QAM MCH 1732.5MHz RB 75 0 NTNV



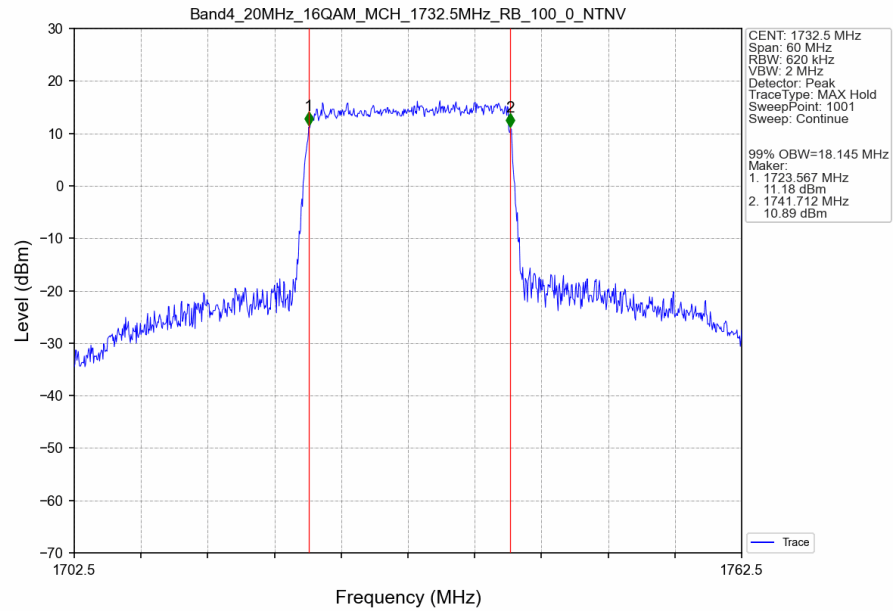
Band4 15MHz 64QAM MCH 1732.5MHz RB 75 0 NTNV



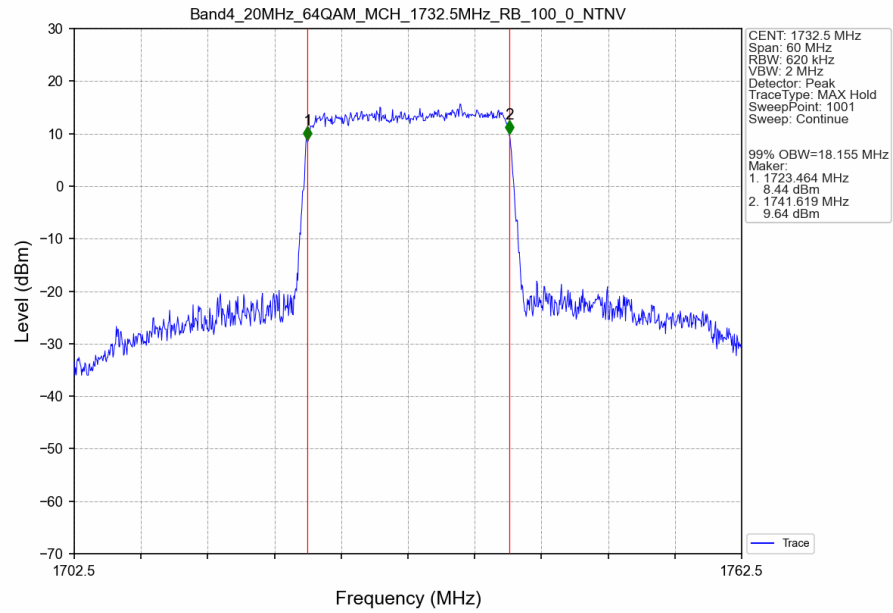
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



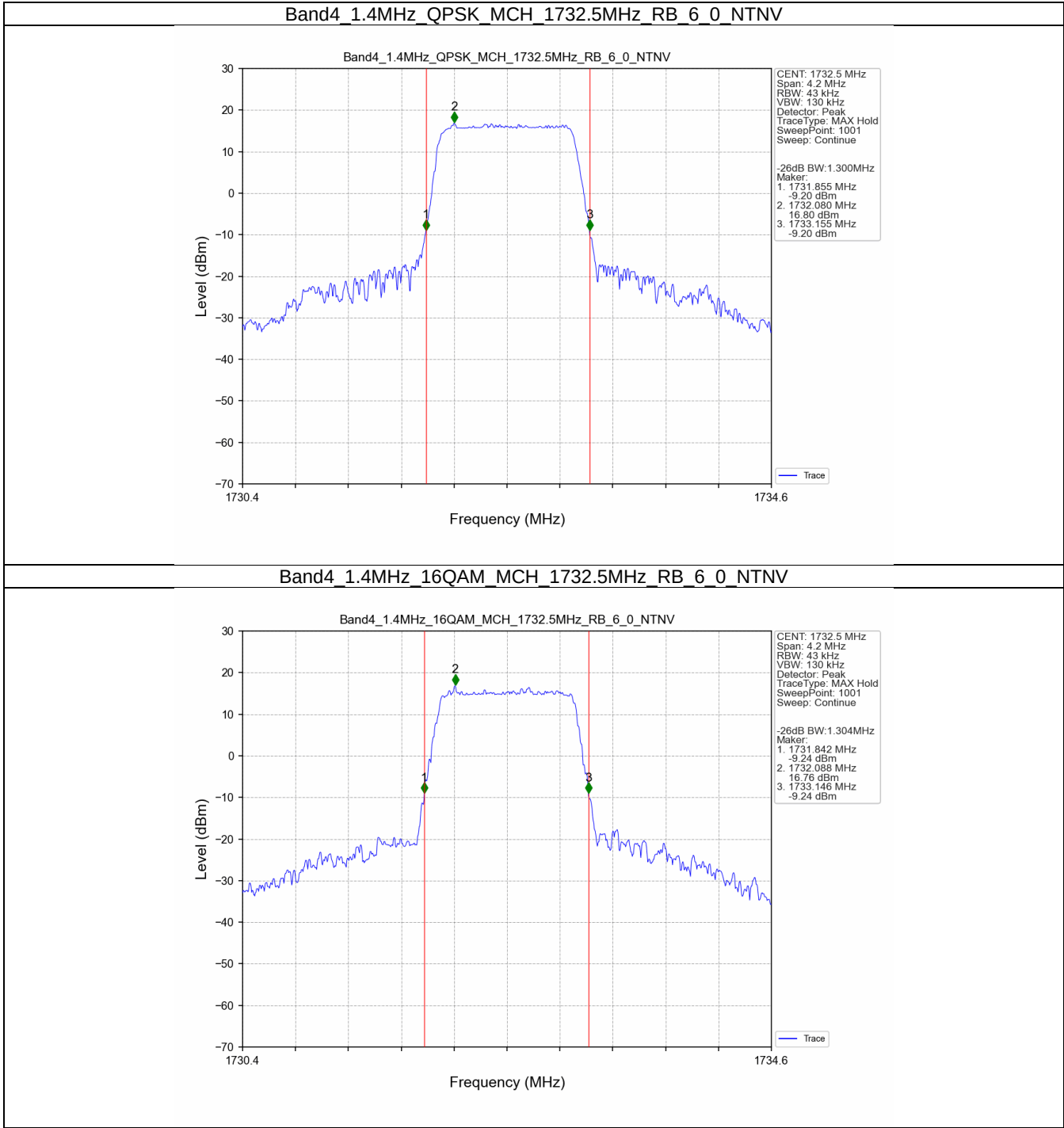
Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTN



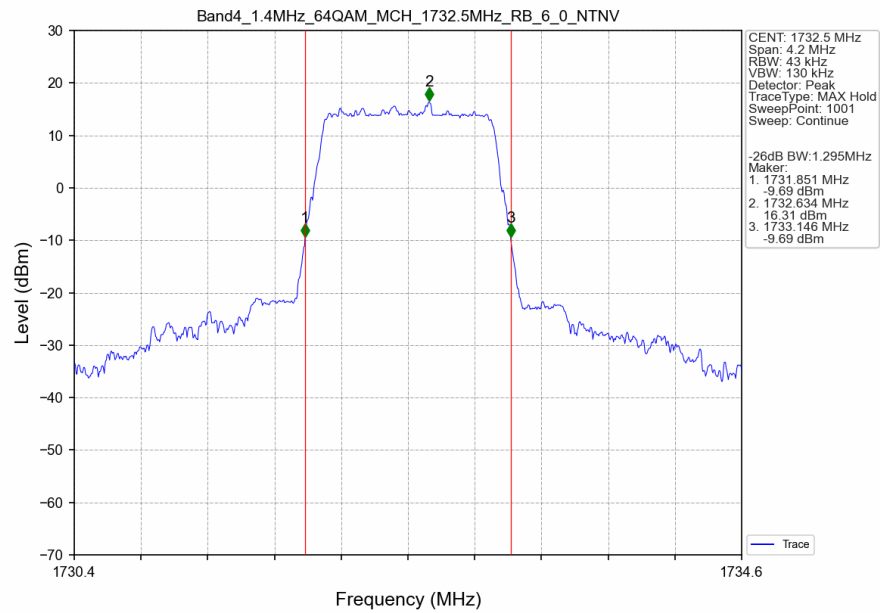
Band4 20MHz 64QAM MCH 1732.5MHz RB 100 0 NTN



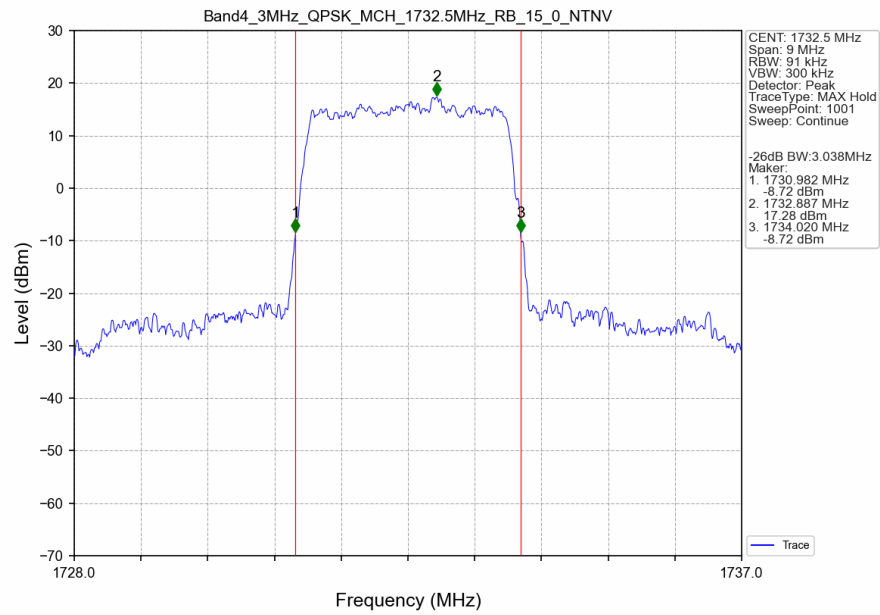
3.2.2 Band4_XDB



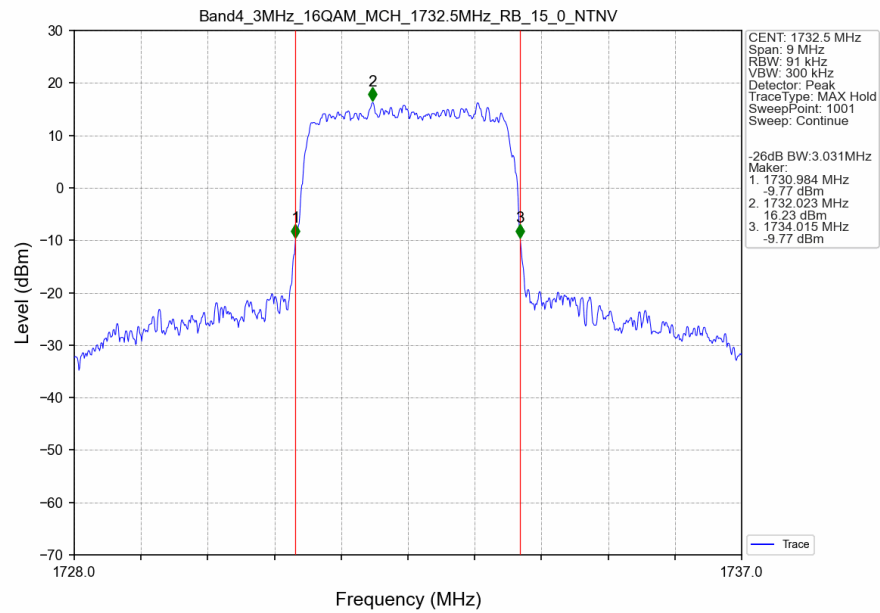
Band4 1.4MHz 64QAM MCH 1732.5MHz RB 6 0 NTNV



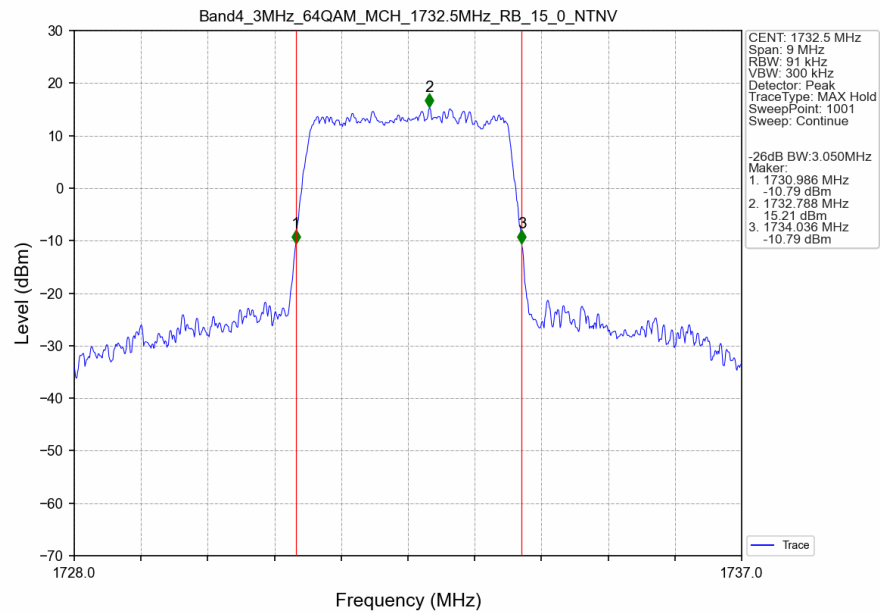
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



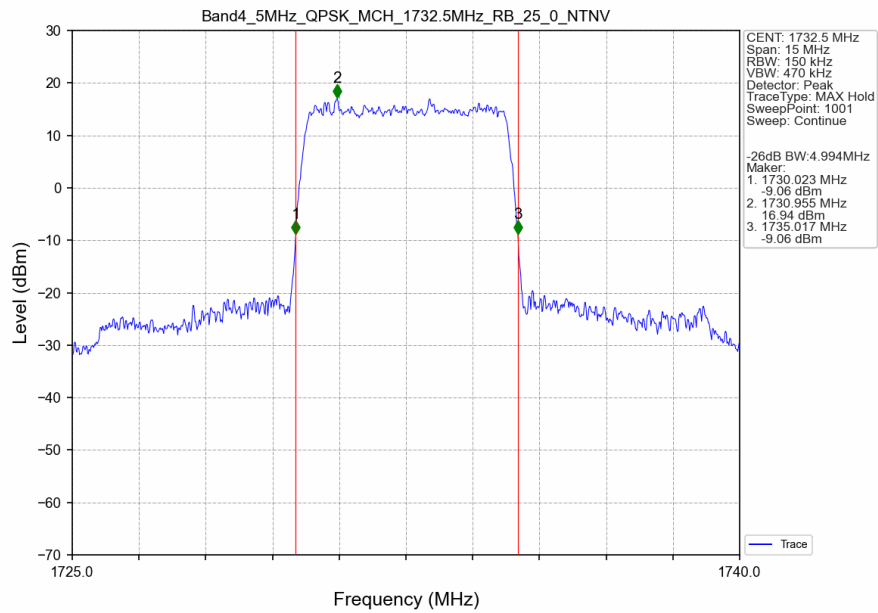
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



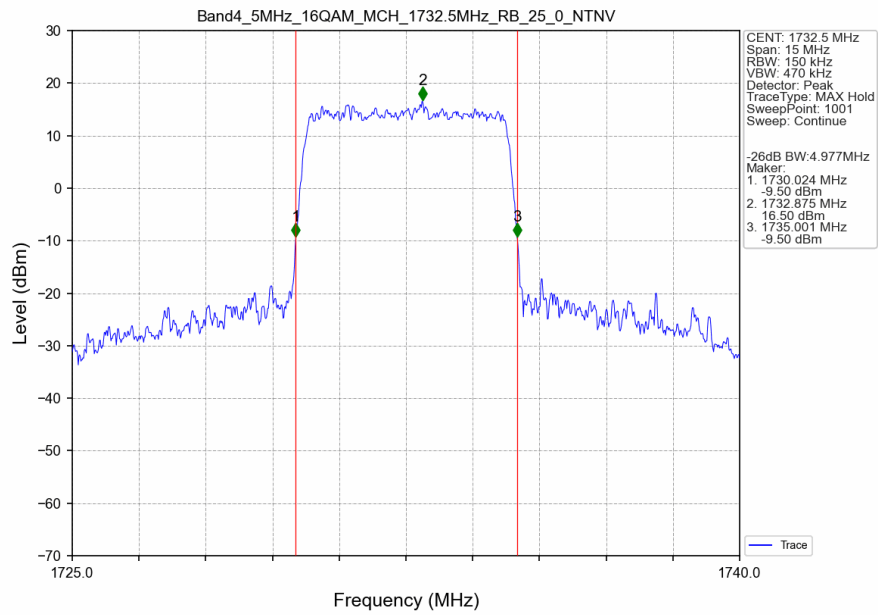
Band4 3MHz 64QAM MCH 1732.5MHz RB 15 0 NTNV



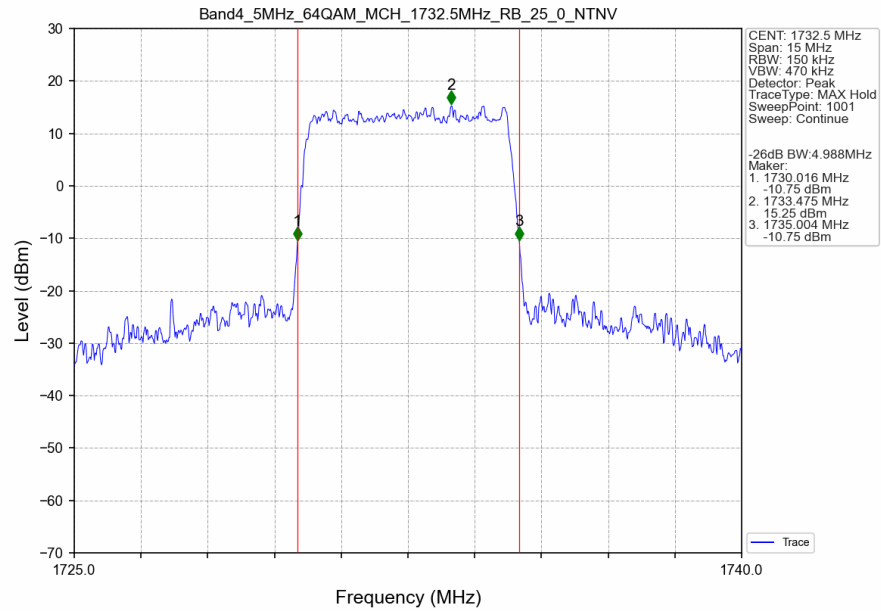
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTV



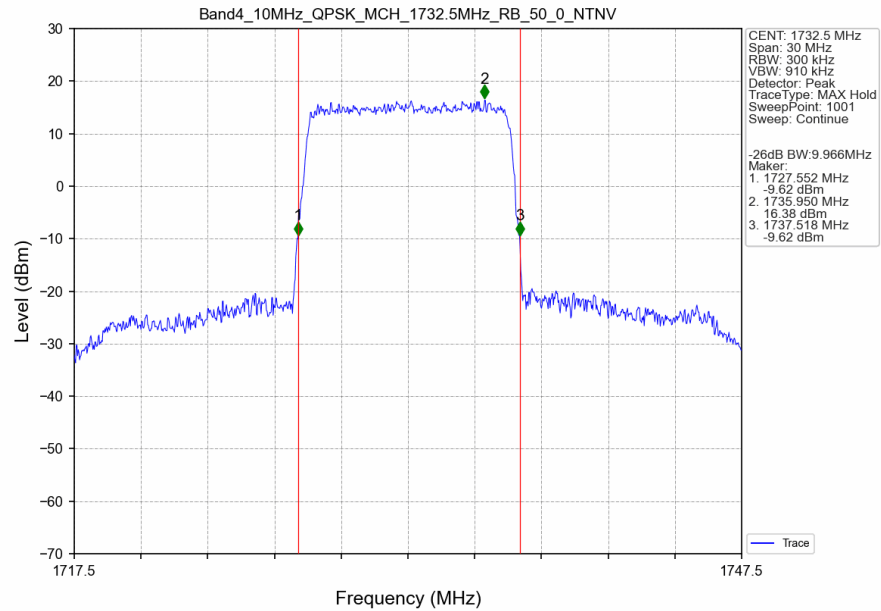
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTV



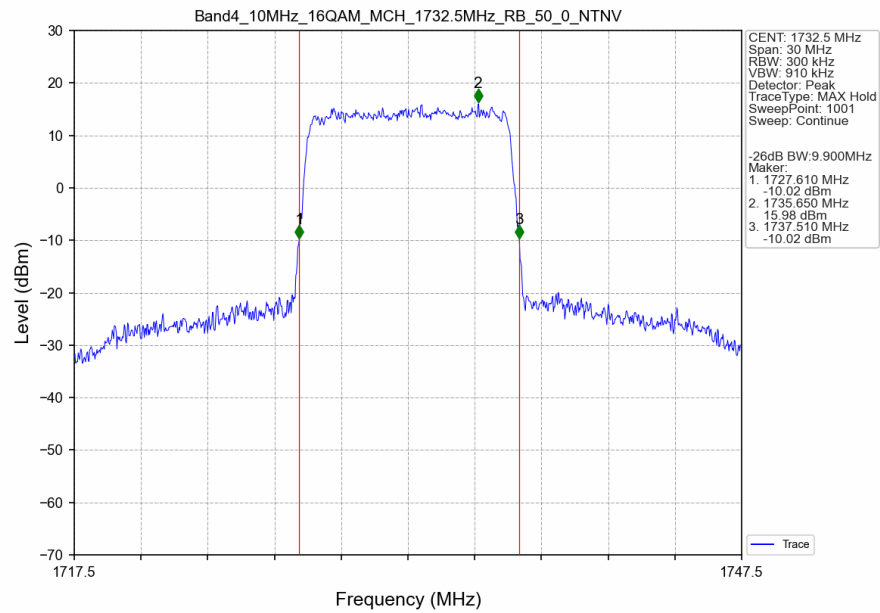
Band4 5MHz 64QAM MCH 1732.5MHz RB 25 0 NTNV



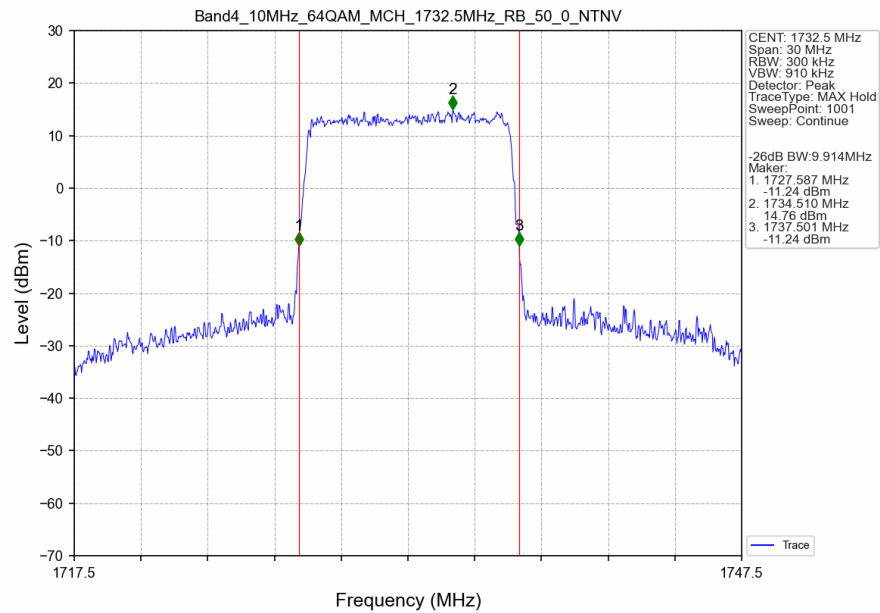
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV



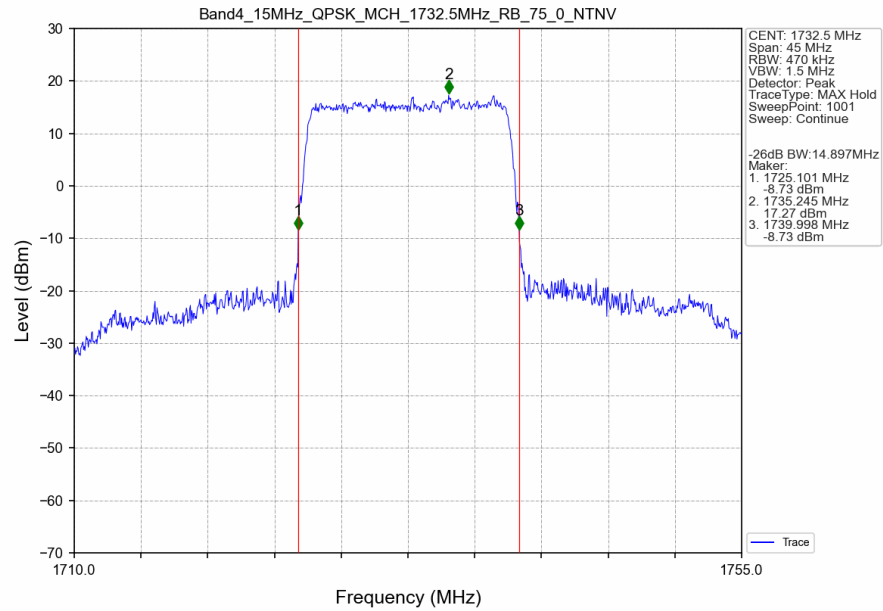
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTN



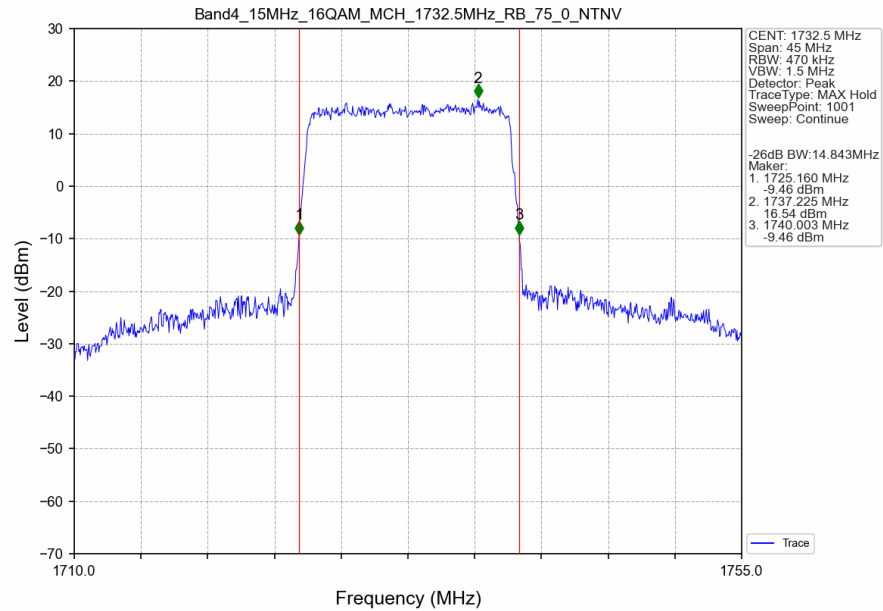
Band4 10MHz 64QAM MCH 1732.5MHz RB 50 0 NTN



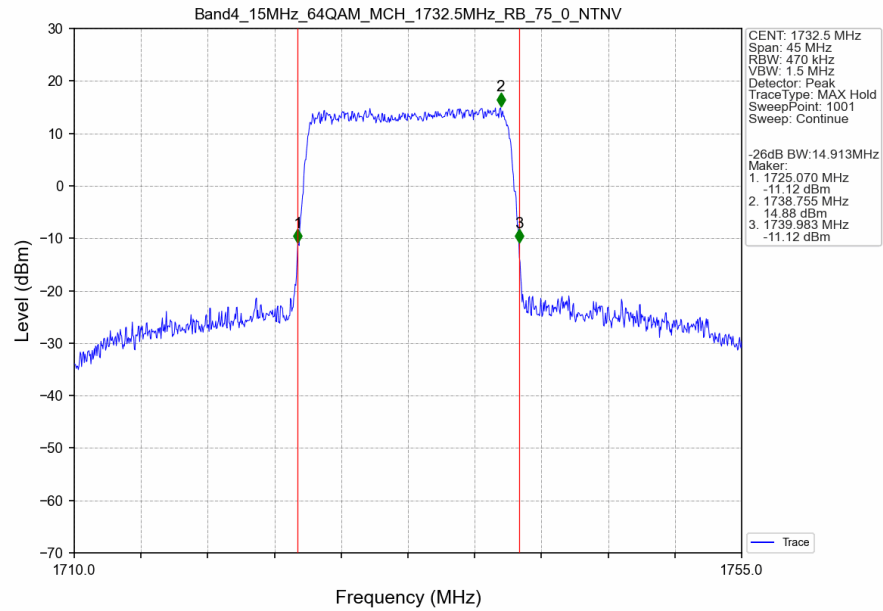
Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV



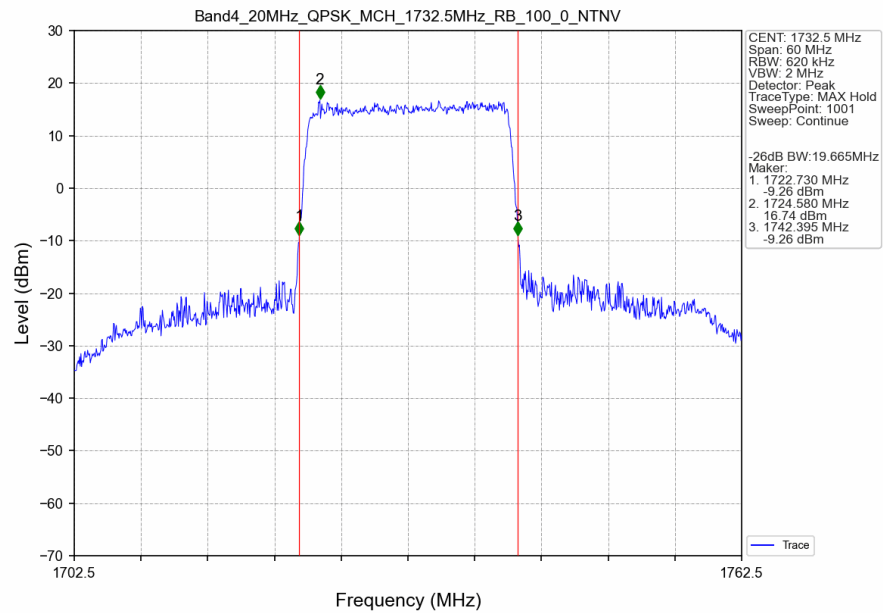
Band4 15MHz 16QAM MCH 1732.5MHz RB 75 0 NTNV



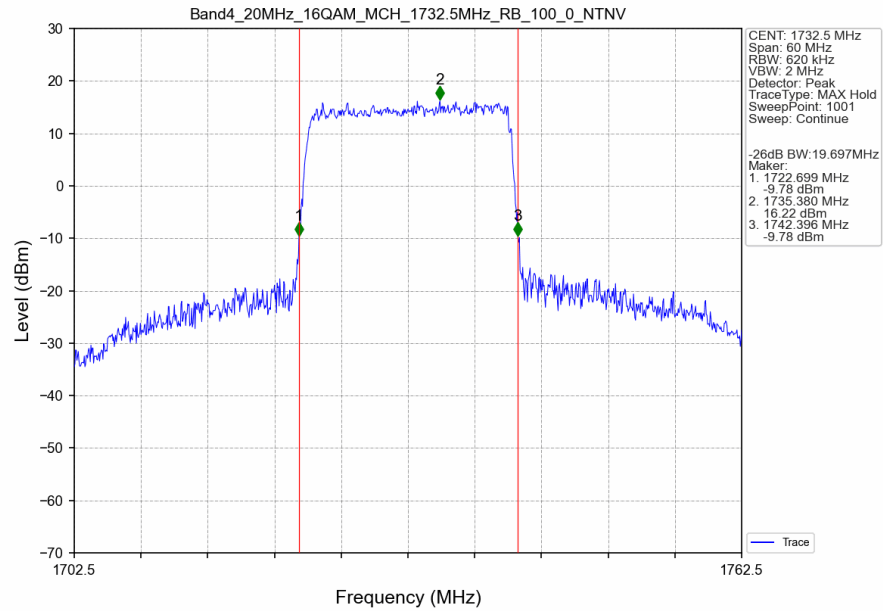
Band4 15MHz 64QAM MCH 1732.5MHz RB 75 0 NTN



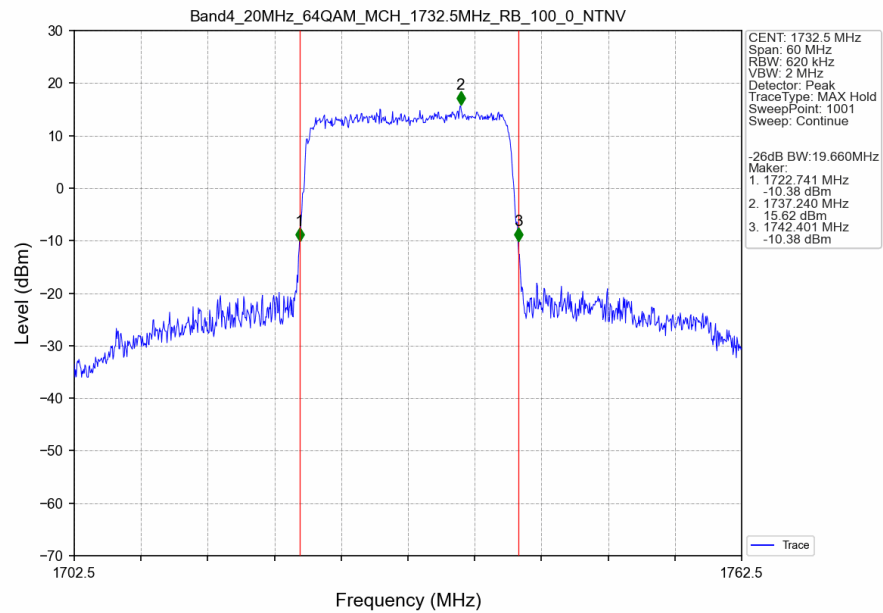
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTN



Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTN



Band4 20MHz 64QAM MCH 1732.5MHz RB 100 0 NTN



4. Peak-Average Ratio

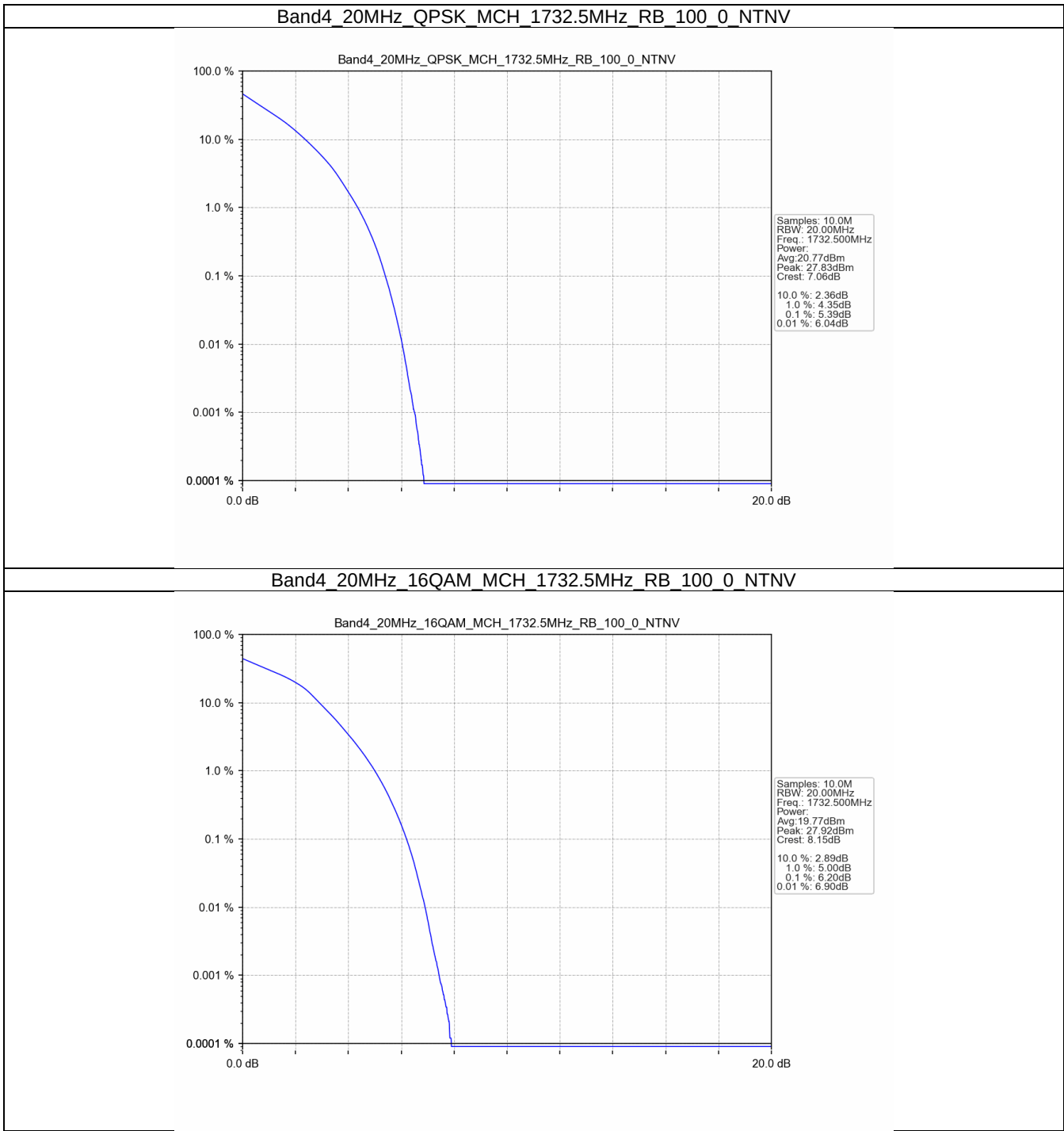
4.1 Test Result

4.1.1 B4_20MHz

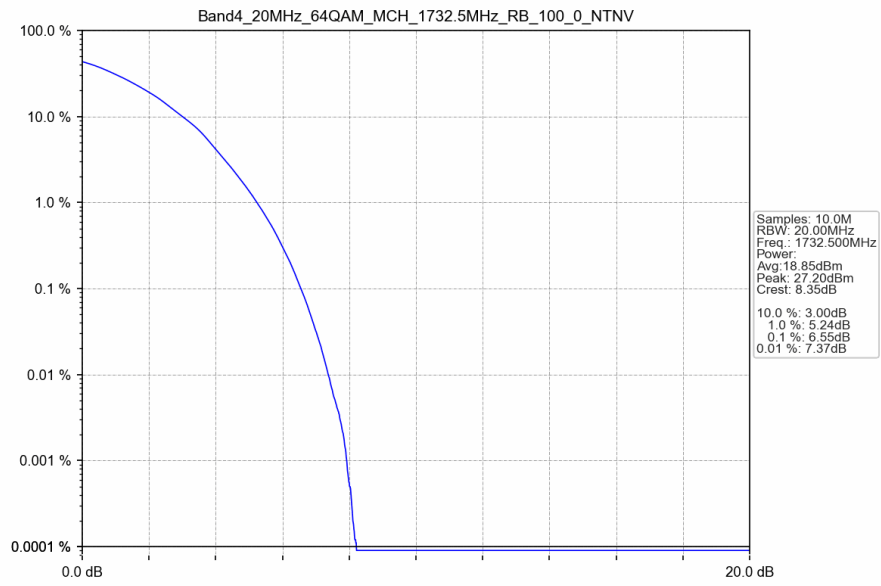
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	5.39	<=13	Pass
16QAM	1732.5	100	0	6.20	<=13	Pass
64QAM	1732.5	100	0	6.55	<=13	Pass

4.2 Test Graph

4.2.1 B4_20MHz



Band4 20MHz 64QAM MCH 1732.5MHz RB 100 0 NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
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		Pass
			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 / NTNV						
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

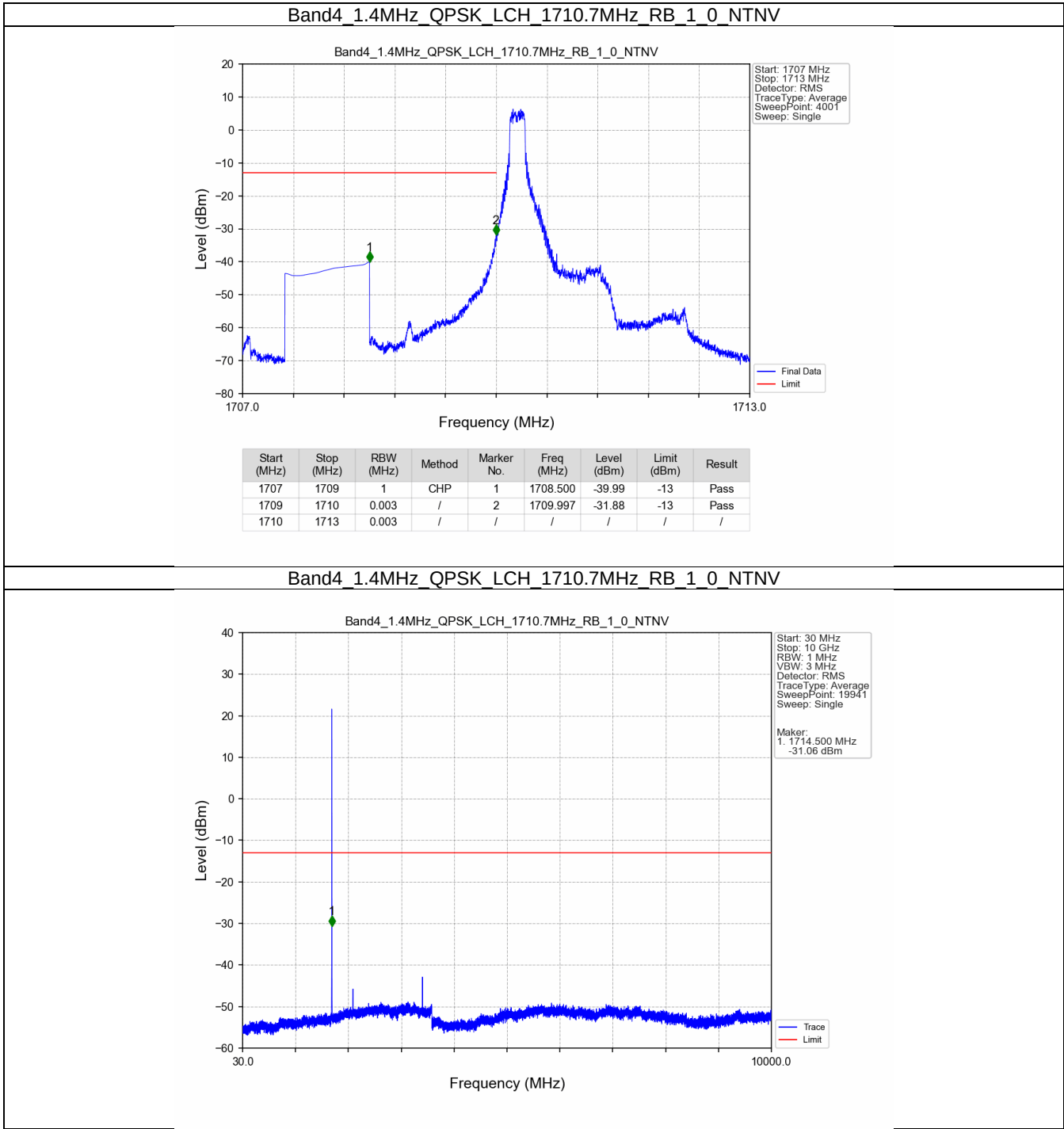
Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.6 B4_20MHz

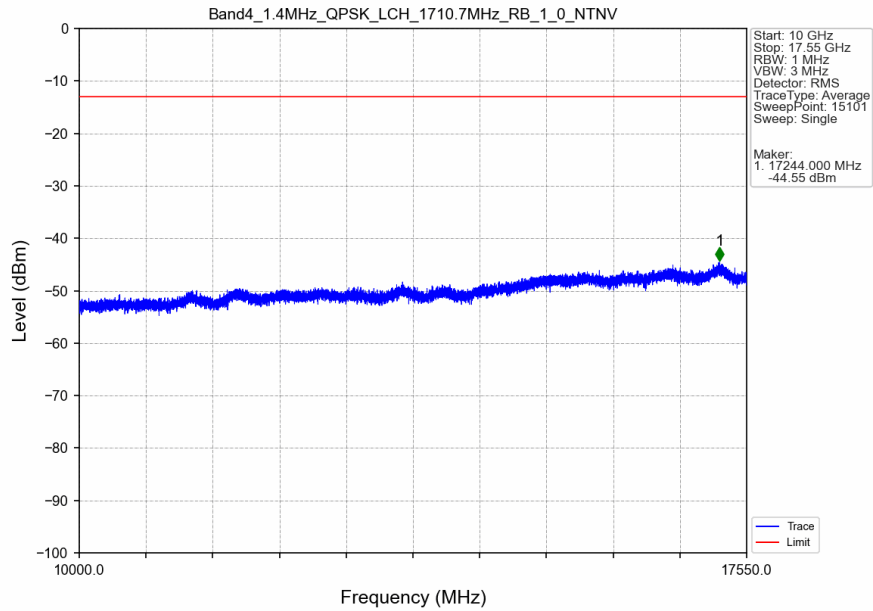
Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

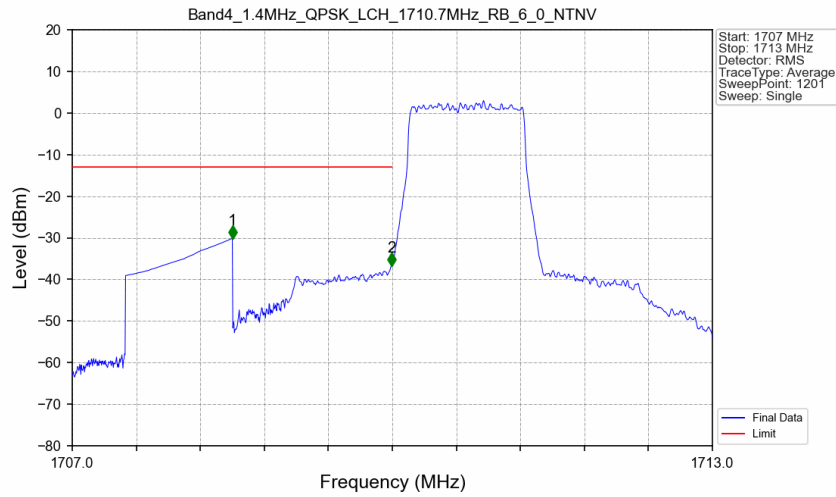
5.2.1 B4_1.4MHz



Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV

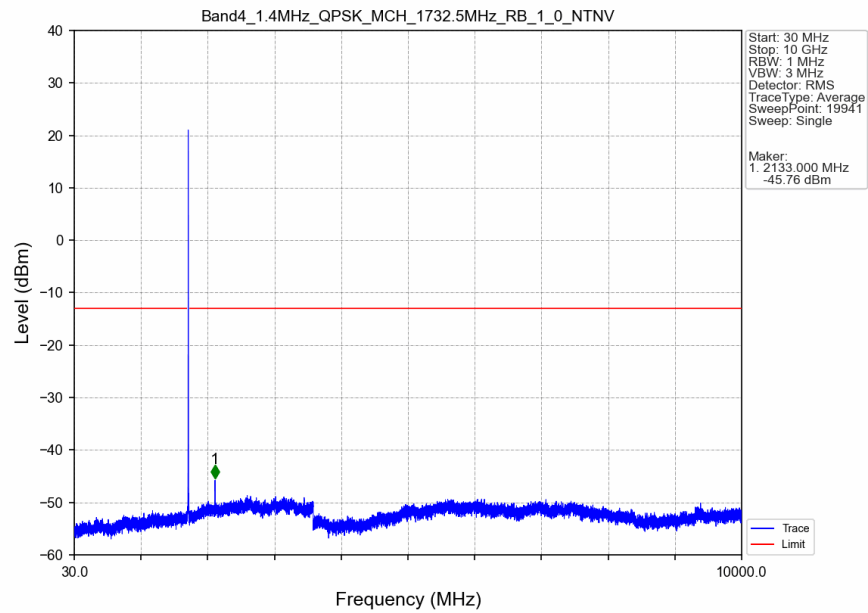


Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTV

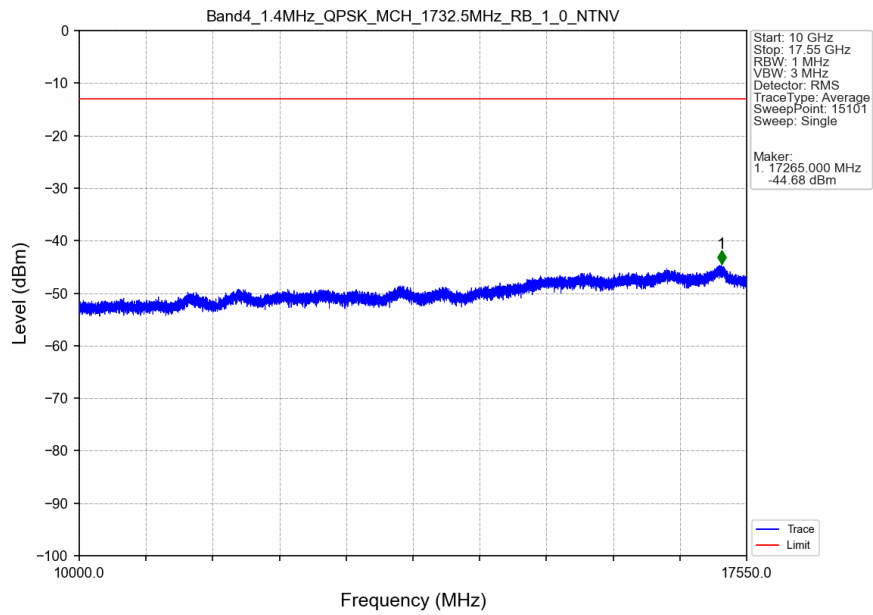


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-30.14	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-36.74	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

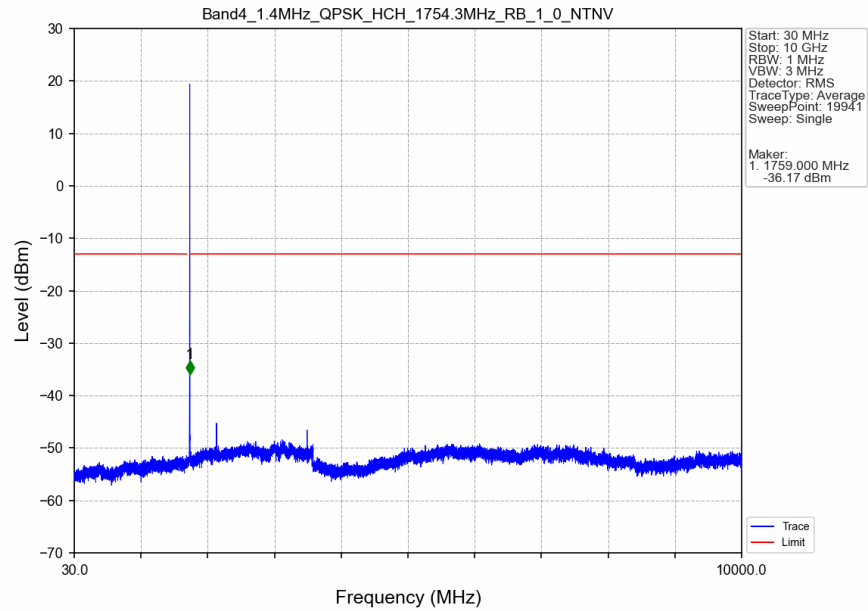
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTV



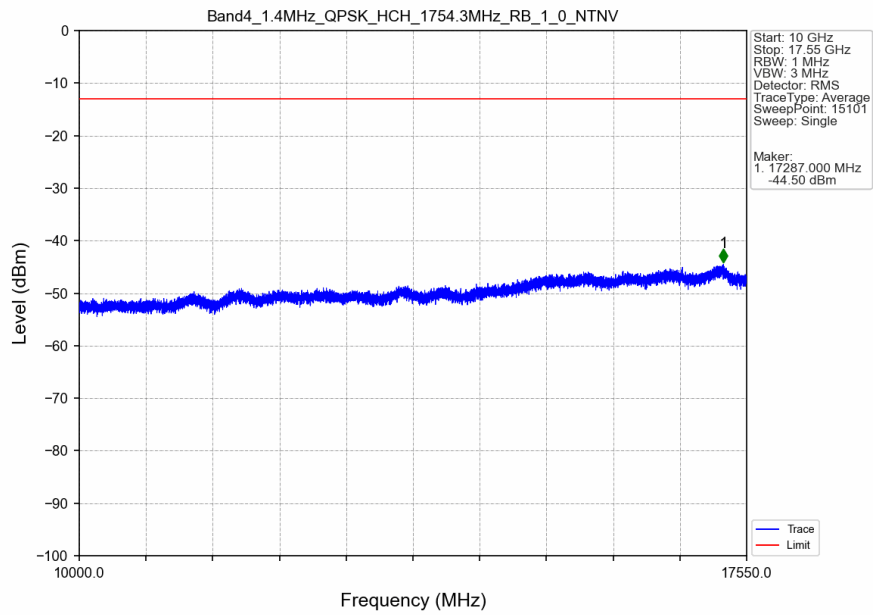
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTV



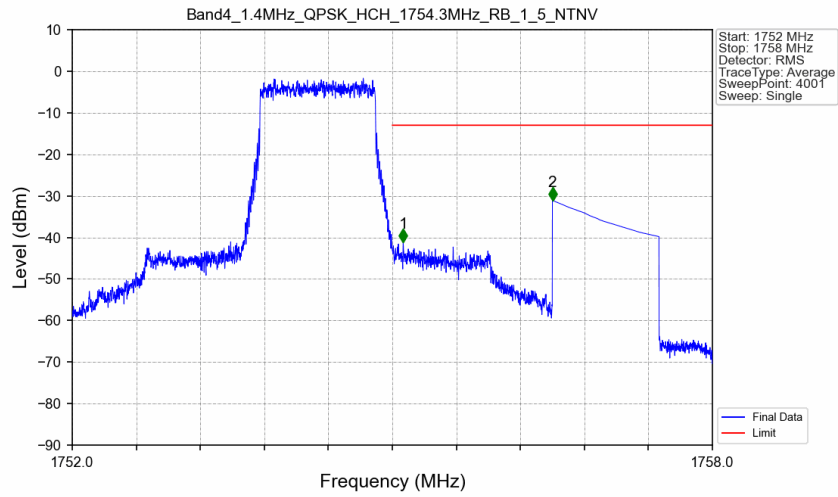
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTV



Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTV

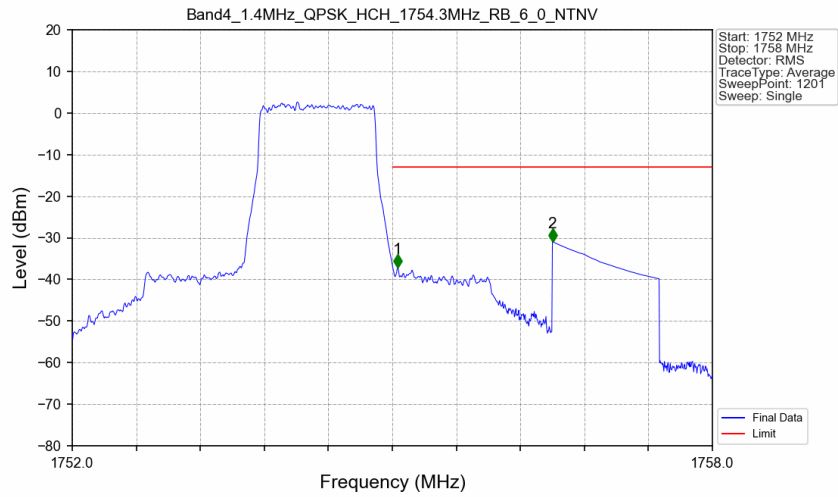


Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 5 NTV



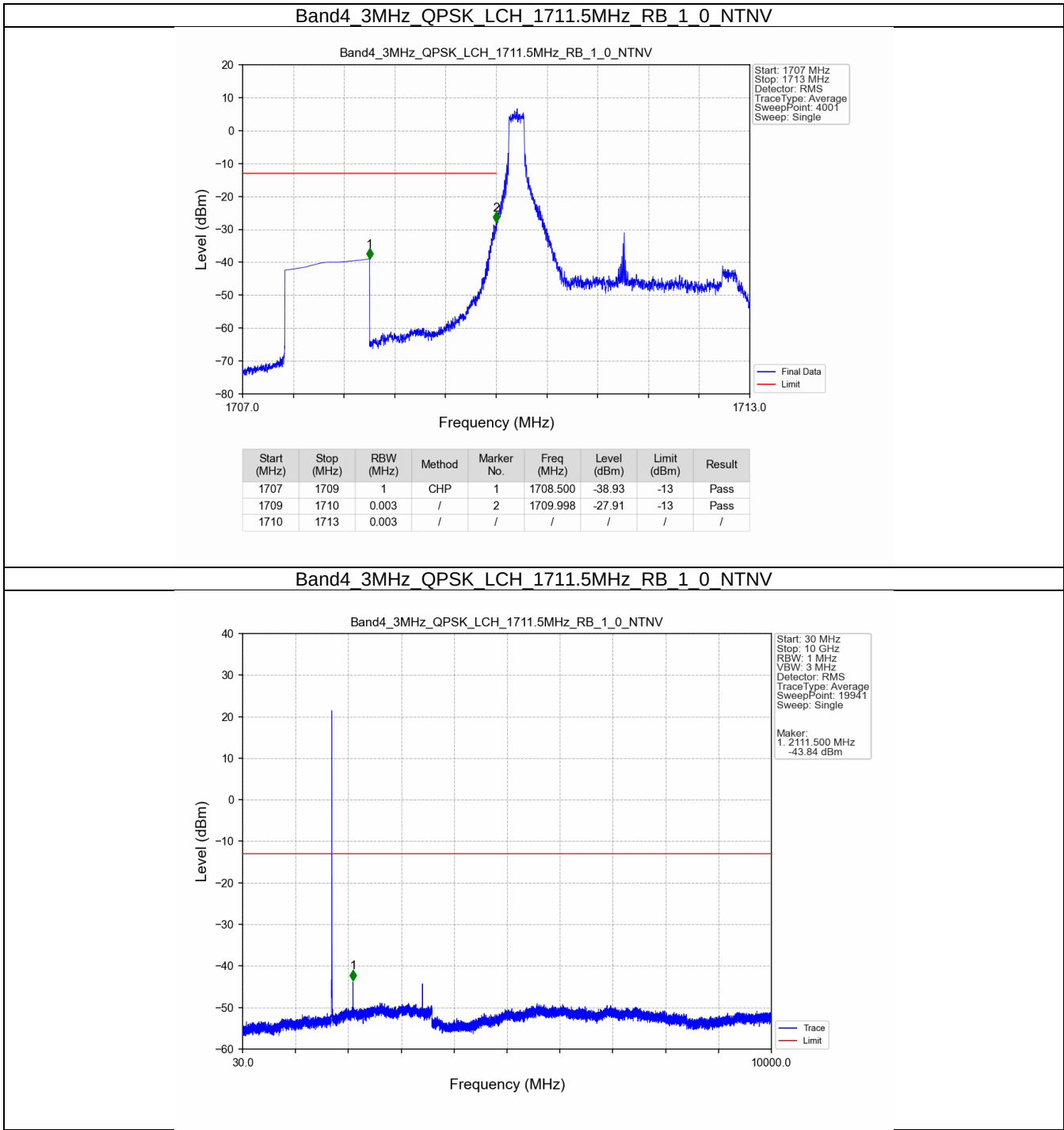
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.102	-41.08	-13	Pass
1756	1758	1	CHP	2	1756.500	-31.05	-13	Pass

Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV

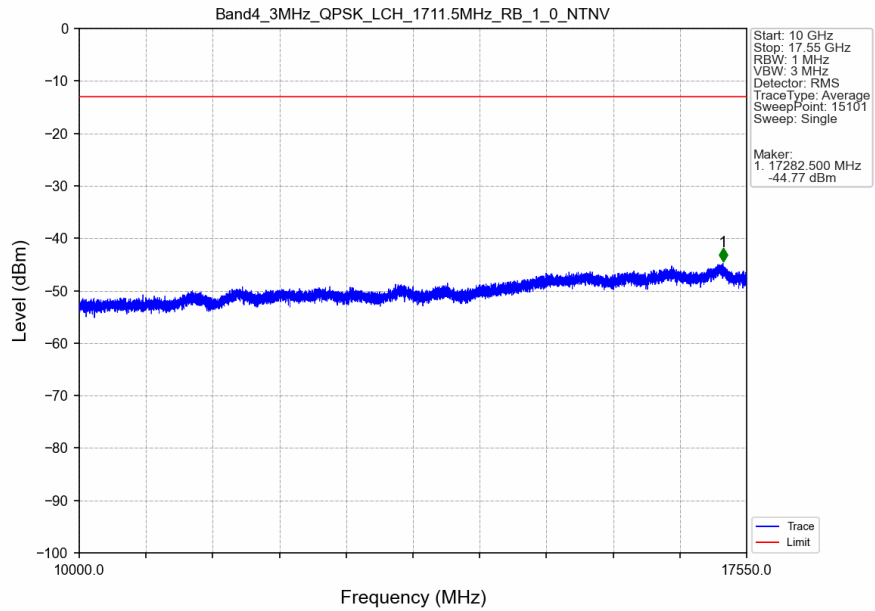


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.050	-37.19	-13	Pass
1756	1758	1	CHP	2	1756.500	-30.91	-13	Pass

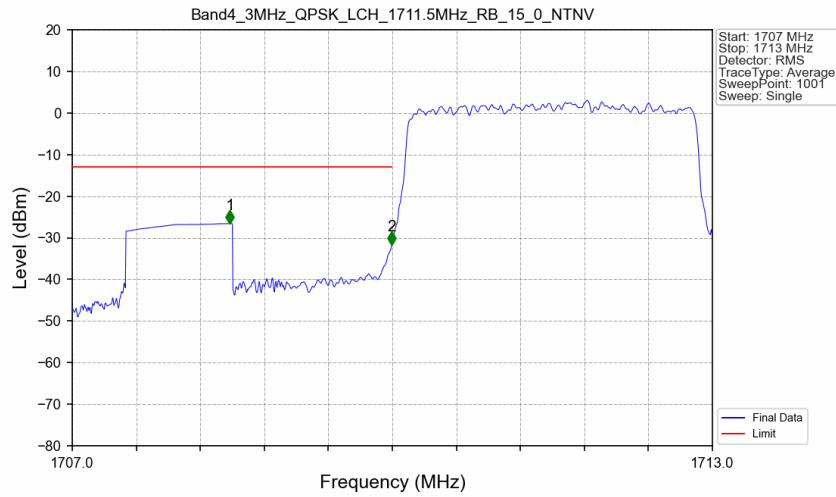
5.2.2 B4_3MHz



Band4 3MHz QPSK LCH 1711.5MHz RB 1 0 NTN

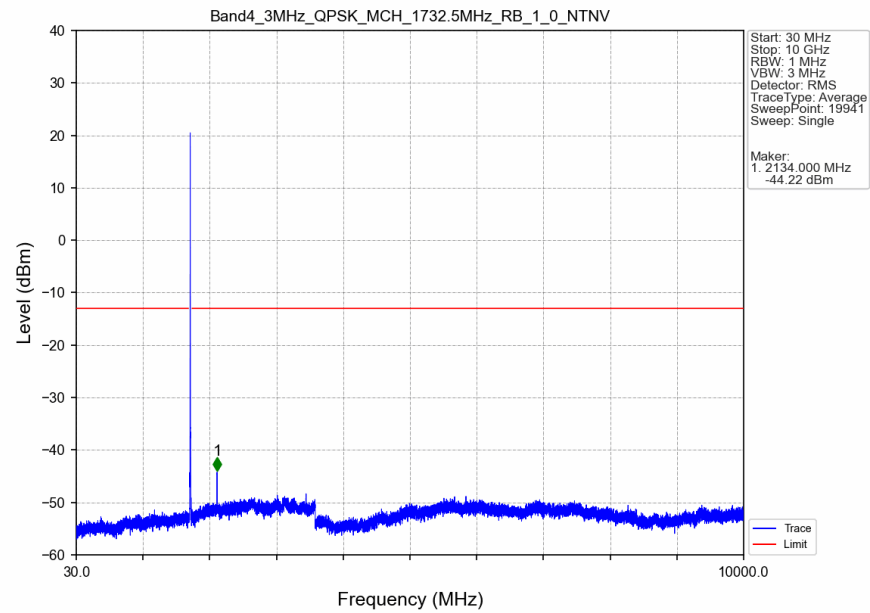


Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTN

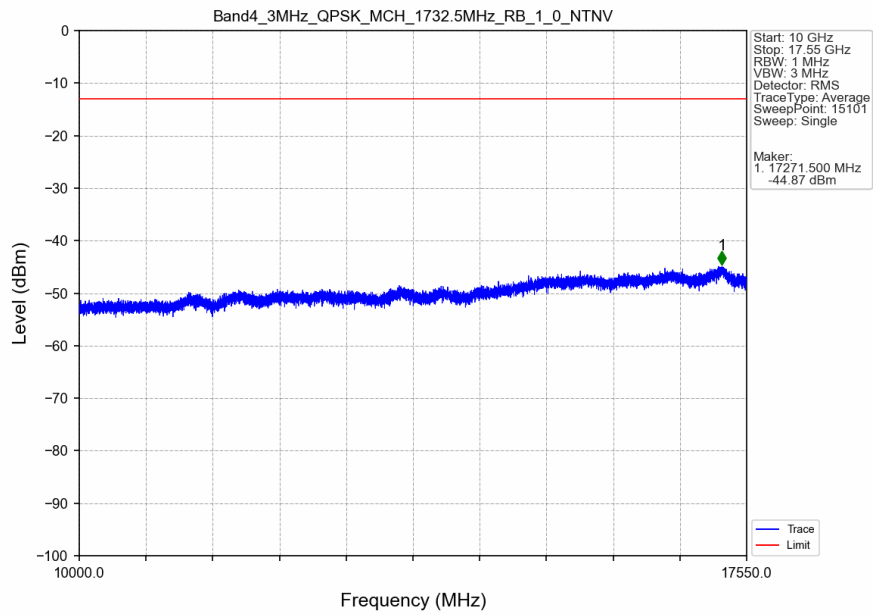


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.476	-26.59	-13	Pass
1709	1710	0.031	CHP	2	1709.994	-31.65	-13	Pass
1710	1713	0.031	CHP	/	/	/	/	/

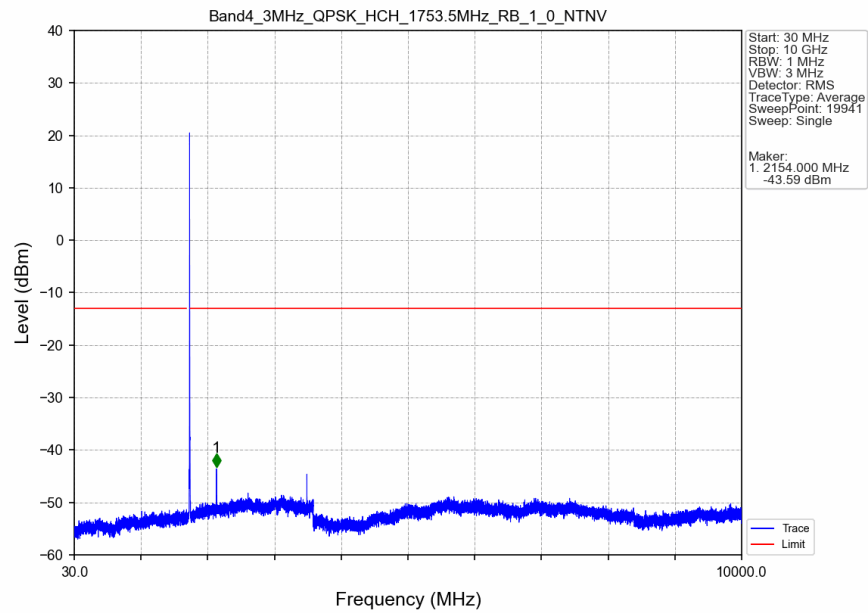
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN



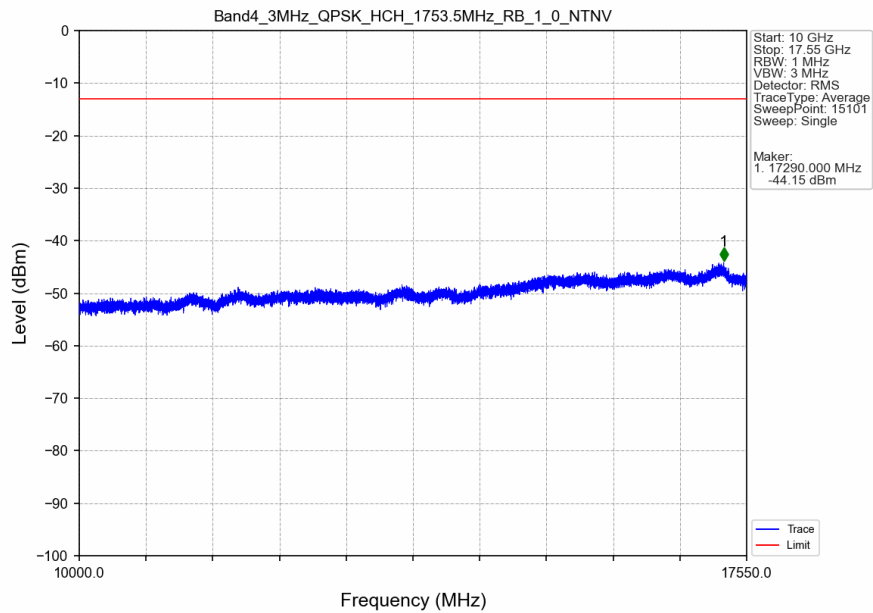
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN



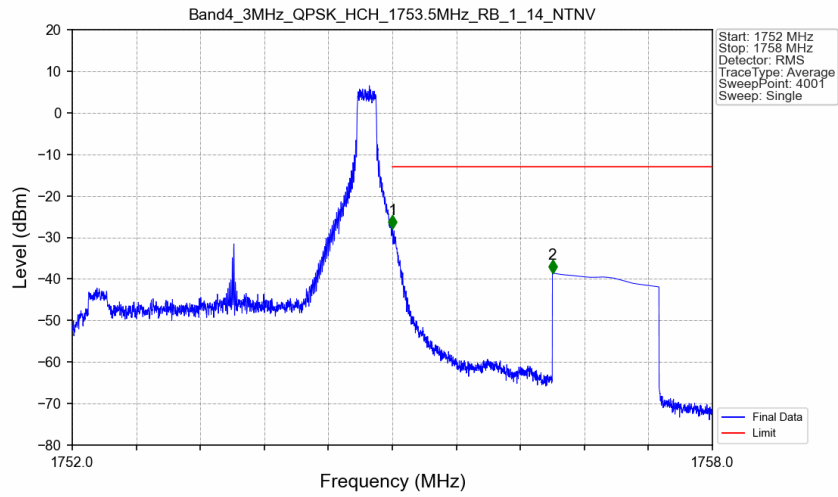
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTN



Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTN

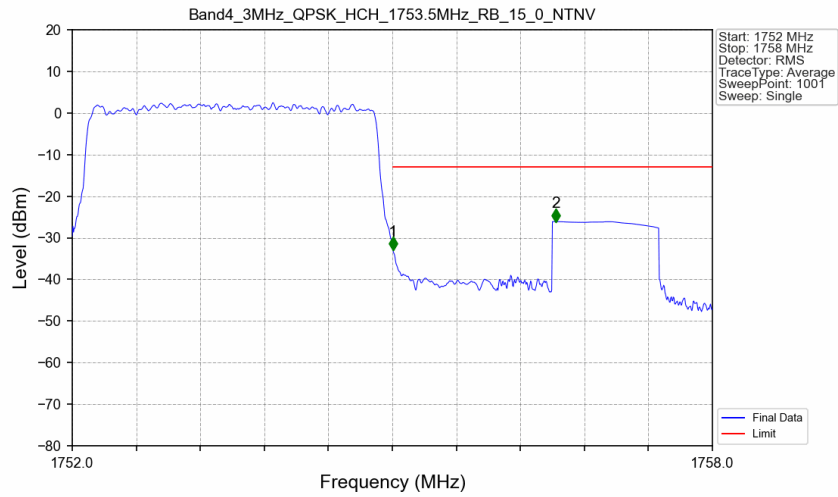


Band4 3MHz QPSK HCH 1753.5MHz RB 1 14 NTV



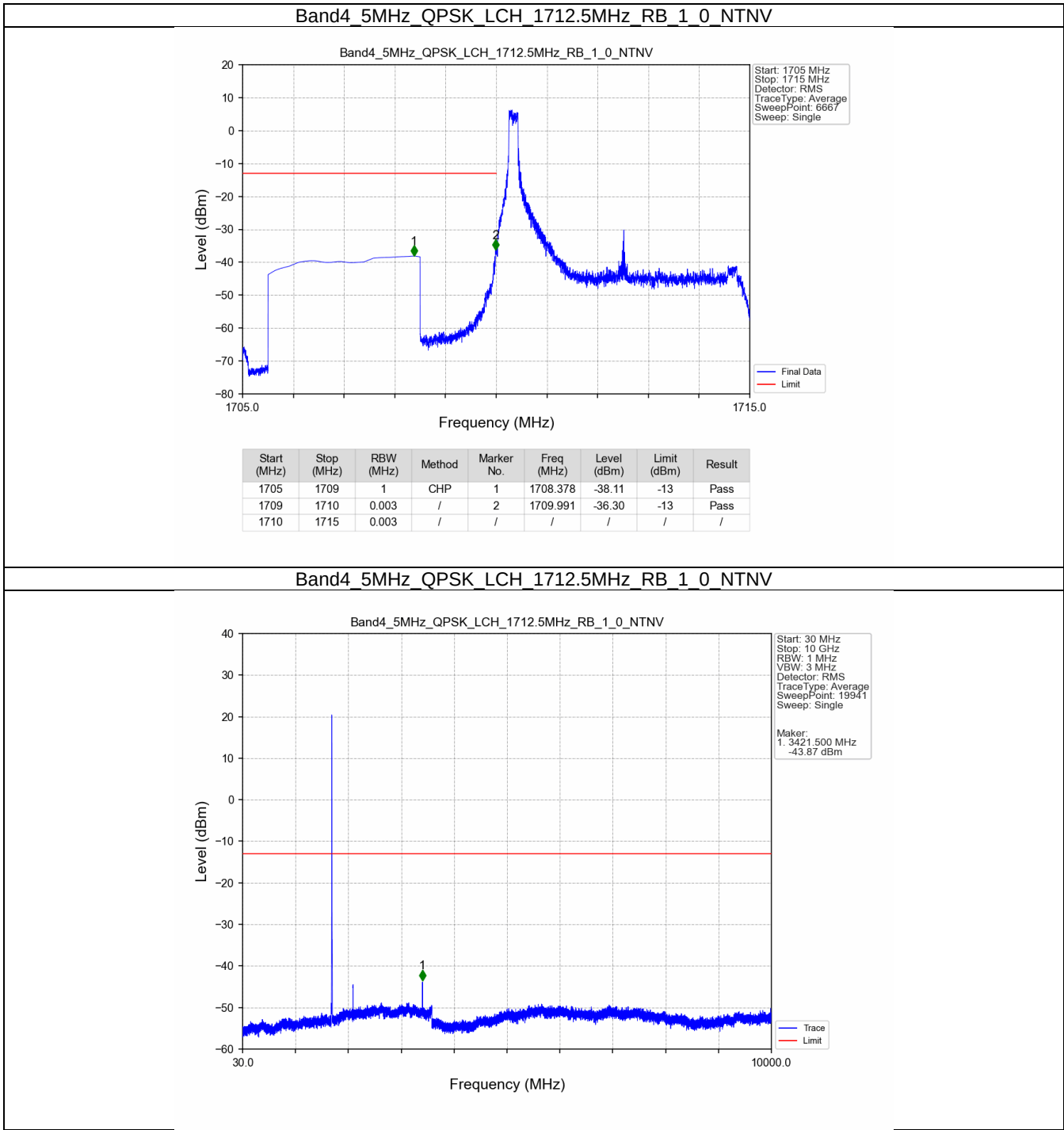
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-27.88	-13	Pass
1756	1758	1	CHP	2	1756.500	-38.56	-13	Pass

Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV

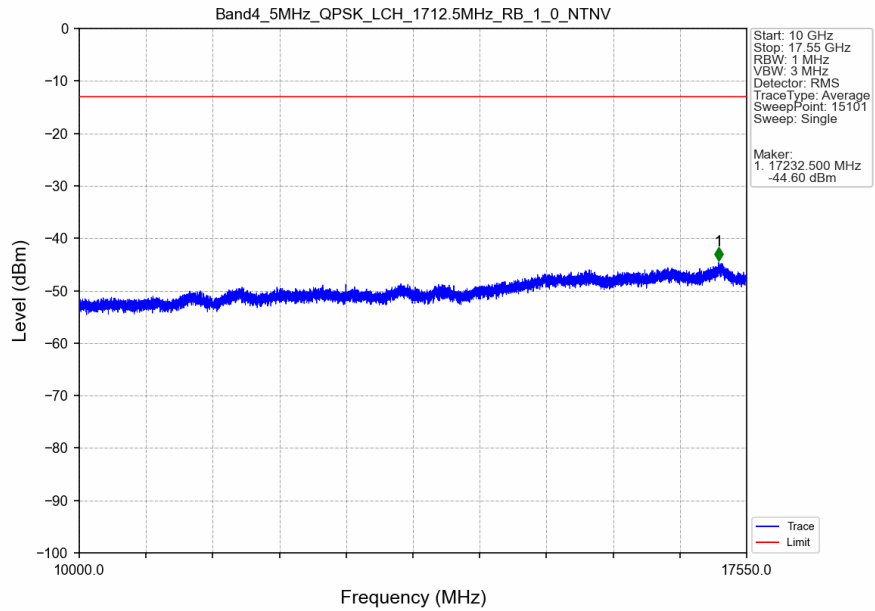


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.031	CHP	/	/	/	/	/
1755	1756	0.031	CHP	1	1755.006	-32.98	-13	Pass
1756	1758	1	CHP	2	1756.530	-26.12	-13	Pass

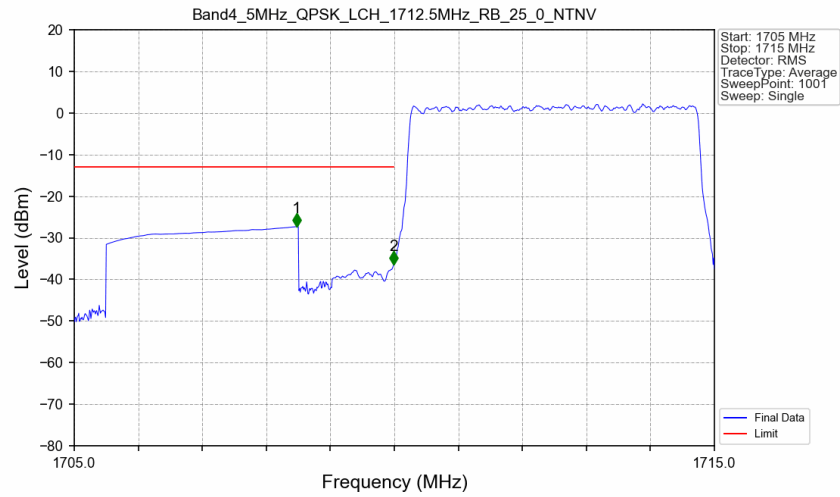
5.2.3 B4_5MHz



Band4 5MHz QPSK LCH 1712.5MHz RB 1 0 NTN

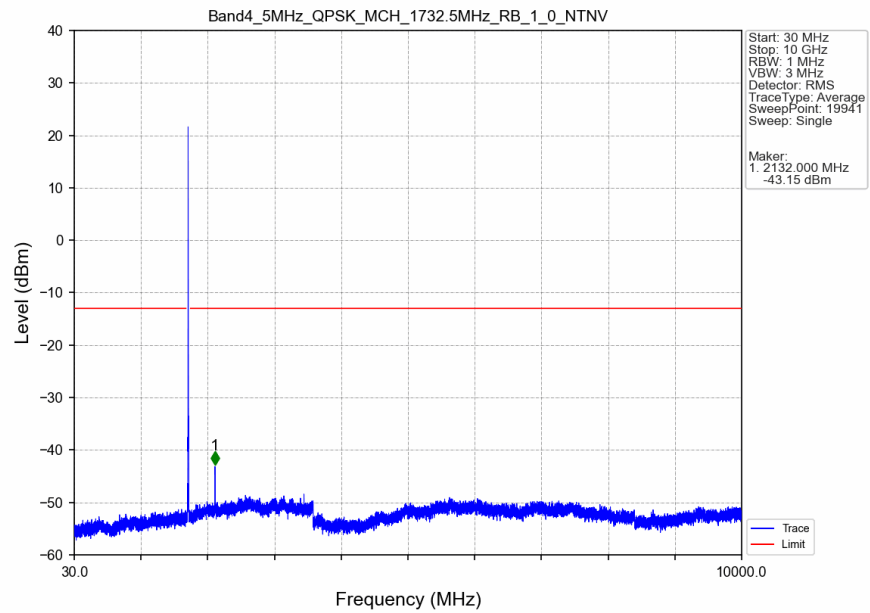


Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTN

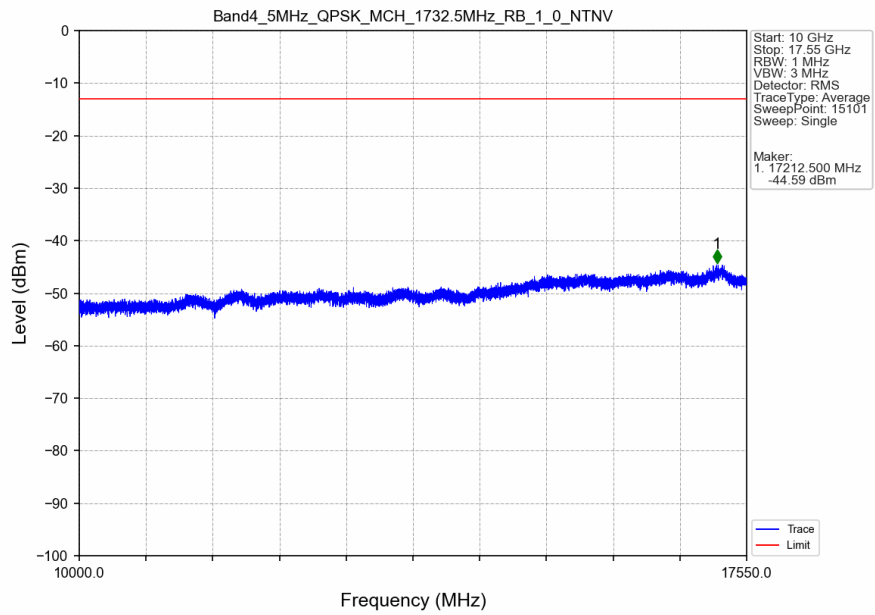


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.470	-27.33	-13	Pass
1709	1710	0.05	CHP	2	1709.990	-36.38	-13	Pass
1710	1715	0.05	CHP	/	/	/	/	/

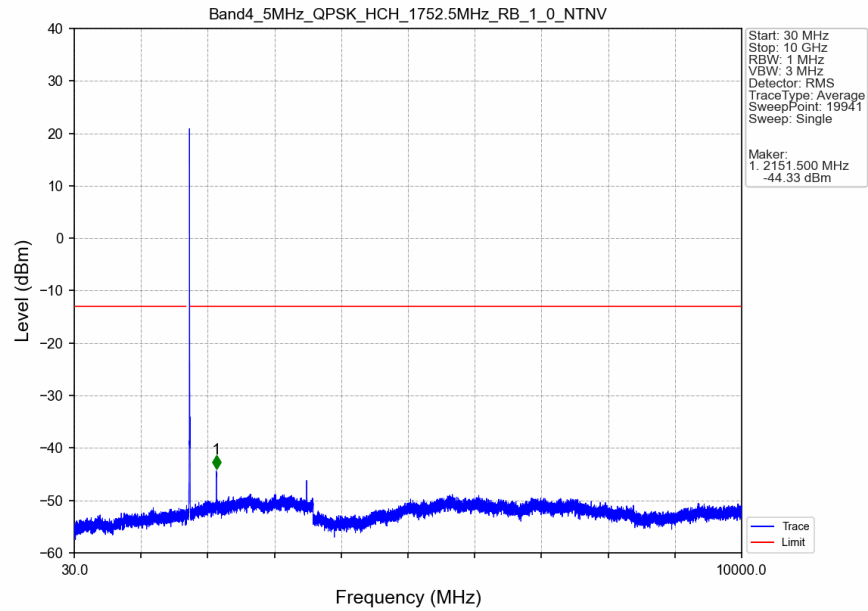
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTN



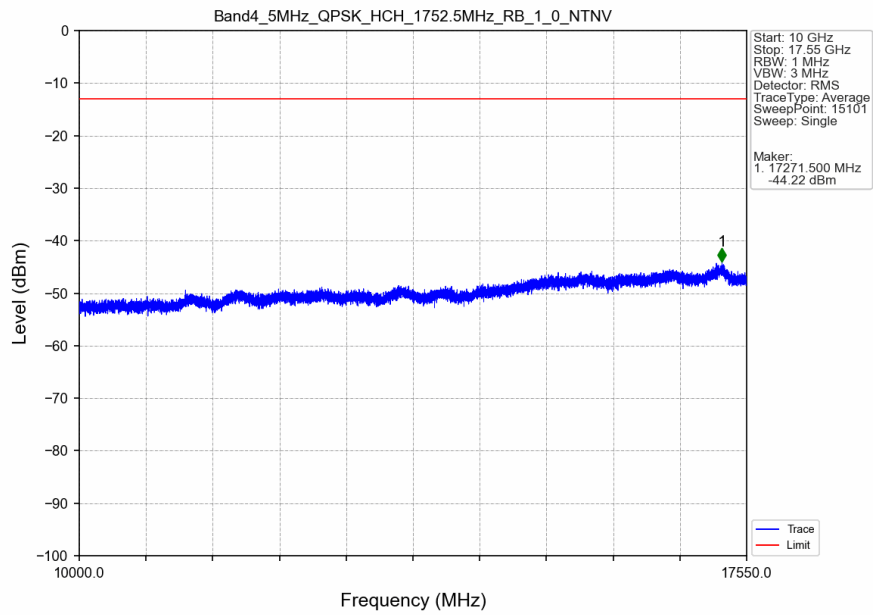
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTN



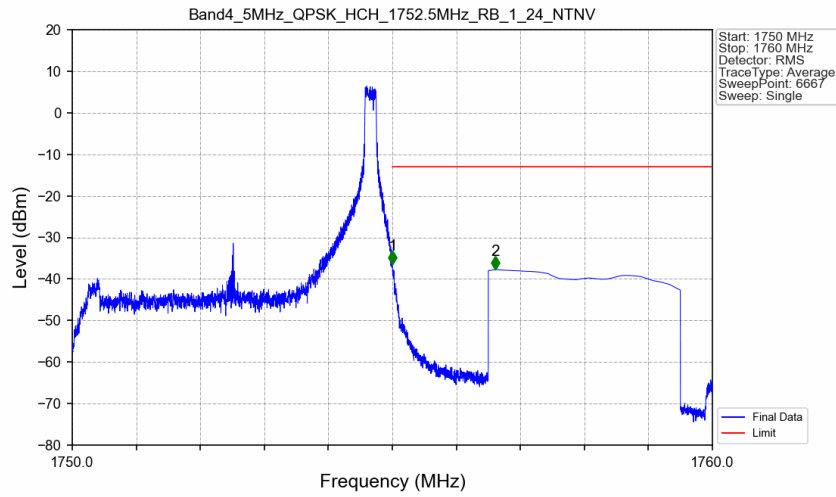
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN



Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN

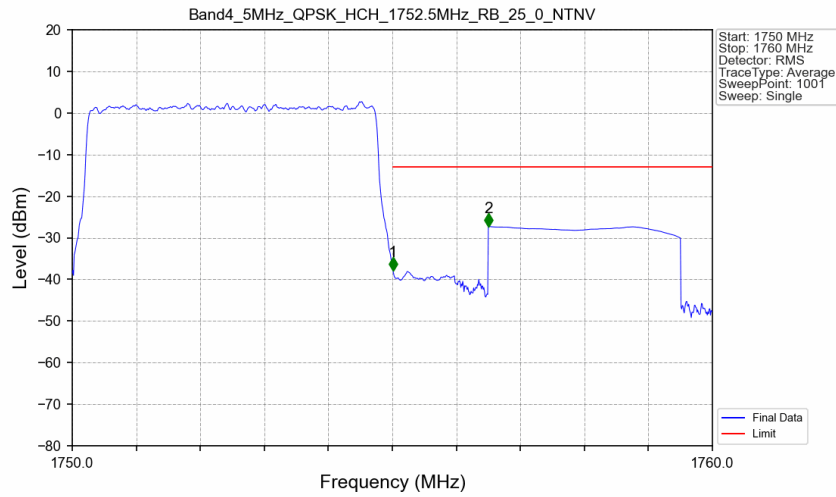


Band4 5MHz QPSK HCH 1752.5MHz RB 1 24 NTV



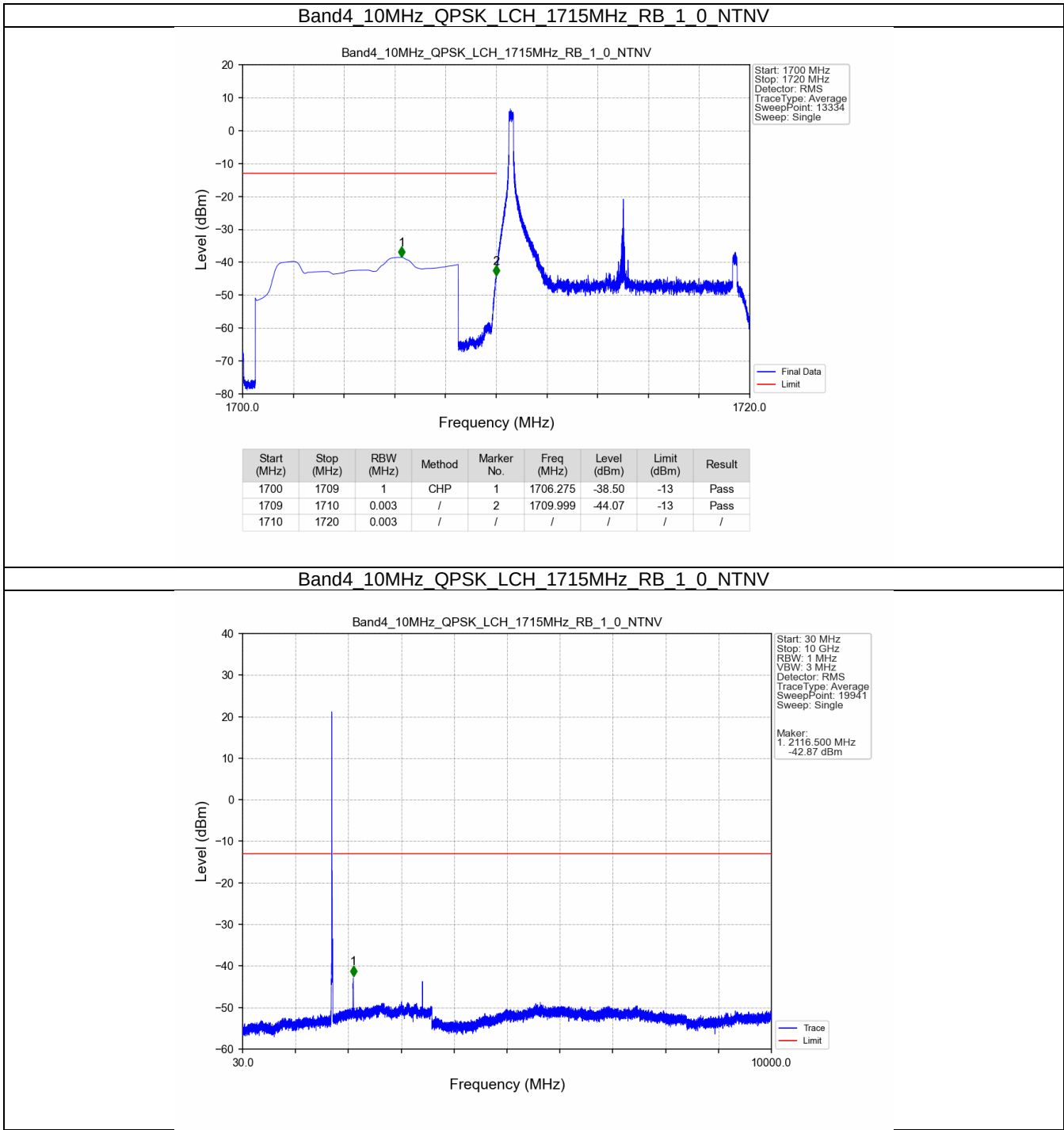
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-36.38	-13	Pass
1756	1760	1	CHP	2	1756.607	-37.77	-13	Pass

Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTV

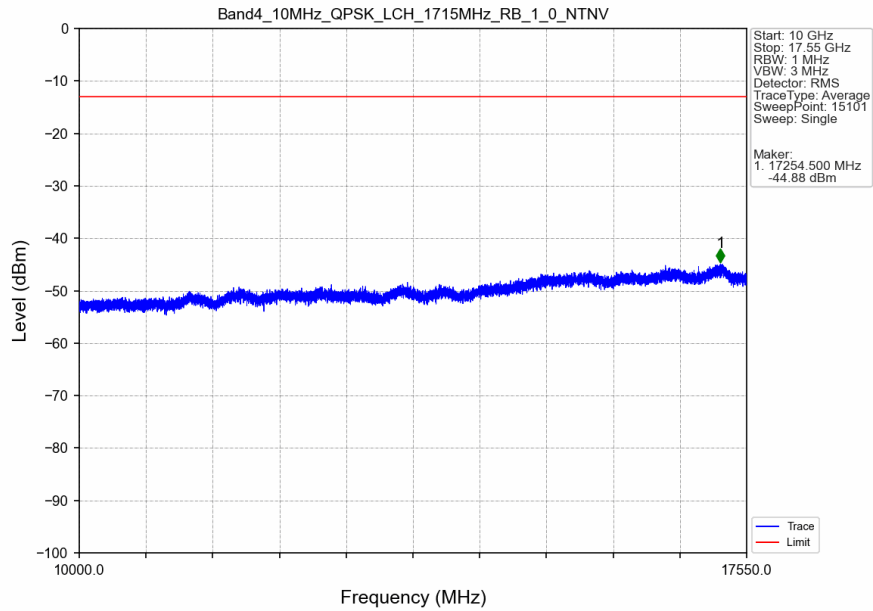


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.05	CHP	/	/	/	/	/
1755	1756	0.05	CHP	1	1755.010	-37.91	-13	Pass
1756	1760	1	CHP	2	1756.500	-27.26	-13	Pass

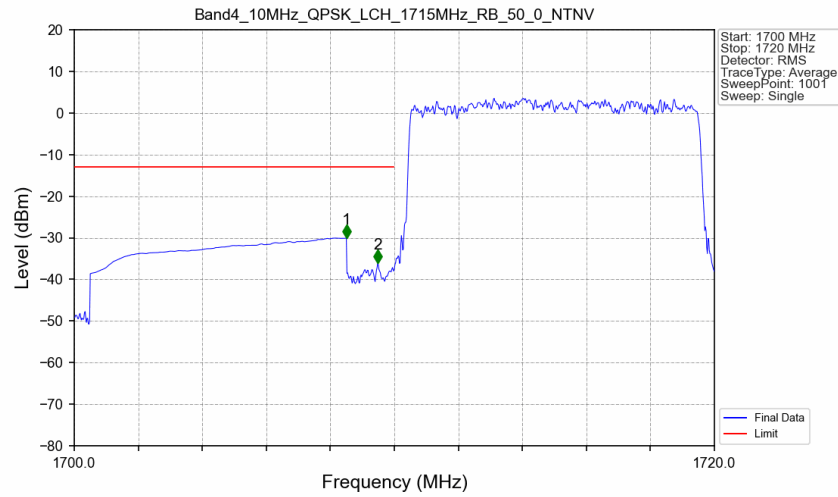
5.2.4 B4_10MHz



Band4 10MHz QPSK LCH 1715MHz RB 1 0 NTNV

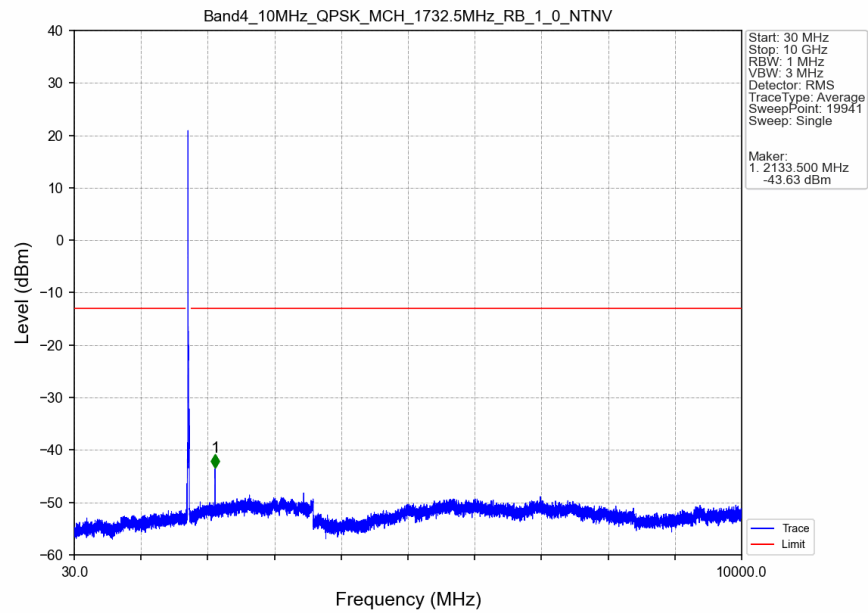


Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV

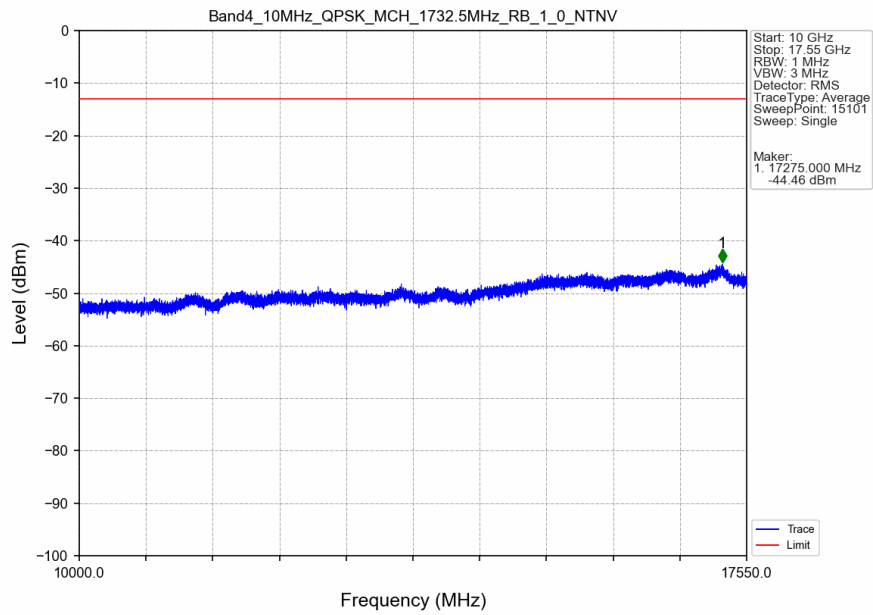


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.500	-30.07	-13	Pass
1709	1710	0.1	/	2	1709.480	-36.08	-13	Pass
1710	1720	0.1	/	/	/	/	/	/

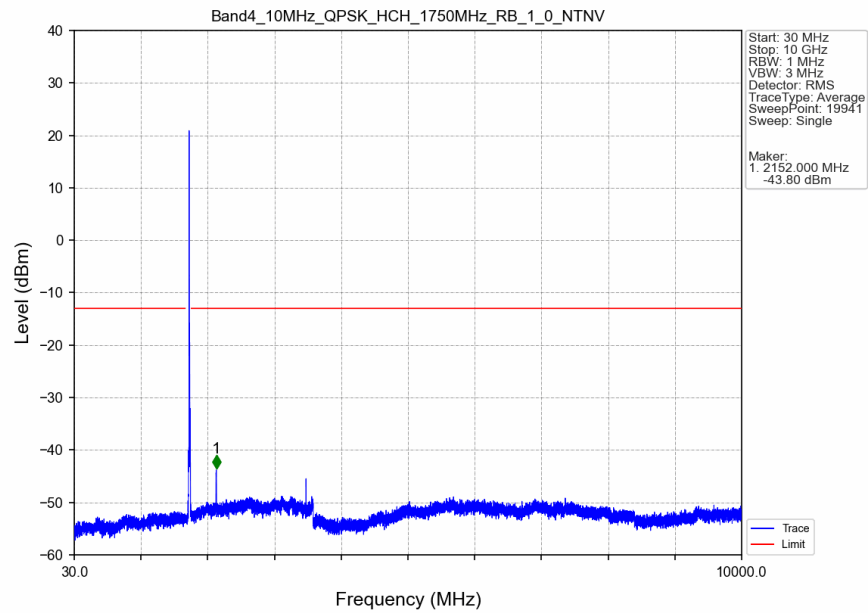
Band4 10MHz QPSK MCH 1732.5MHz RB 1 0 NTV



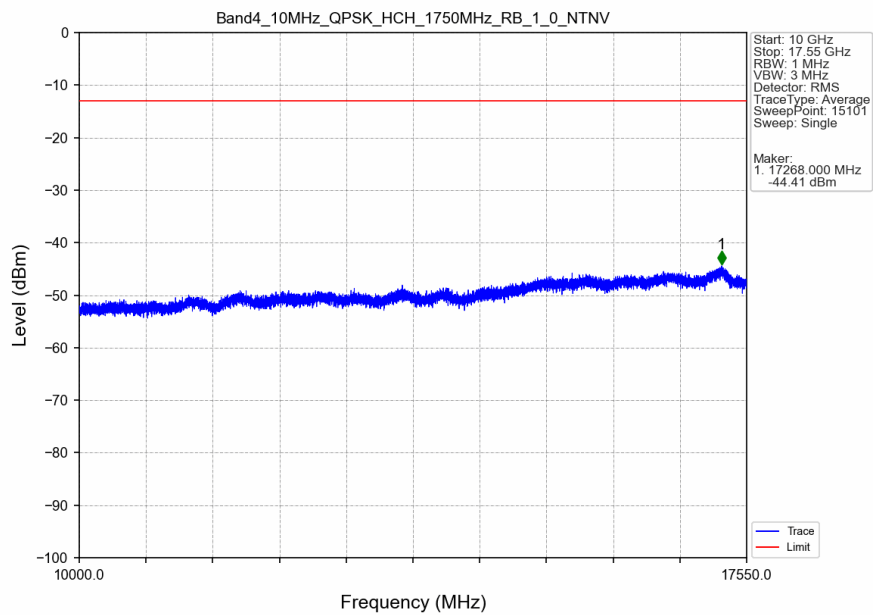
Band4 10MHz QPSK MCH 1732.5MHz RB 1 0 NTV



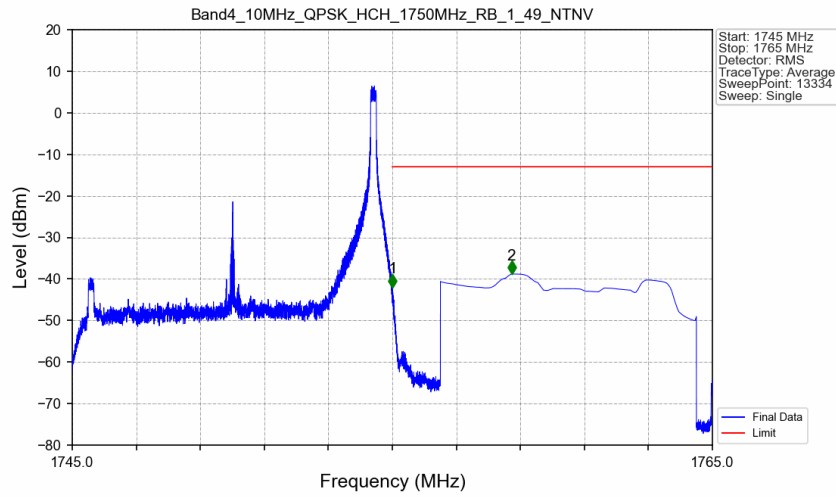
Band4 10MHz QPSK HCH 1750MHz RB 1 0 NTN



Band4 10MHz QPSK HCH 1750MHz RB 1 0 NTN

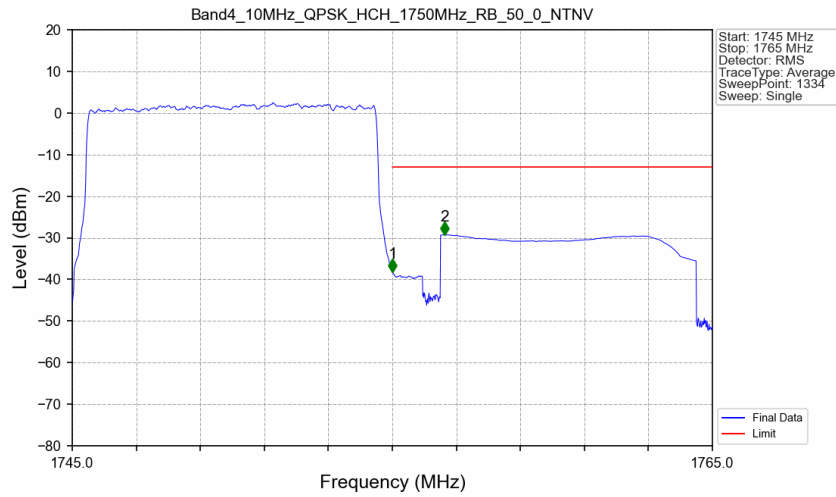


Band4 10MHz QPSK HCH 1750MHz RB 1 49 NTNV



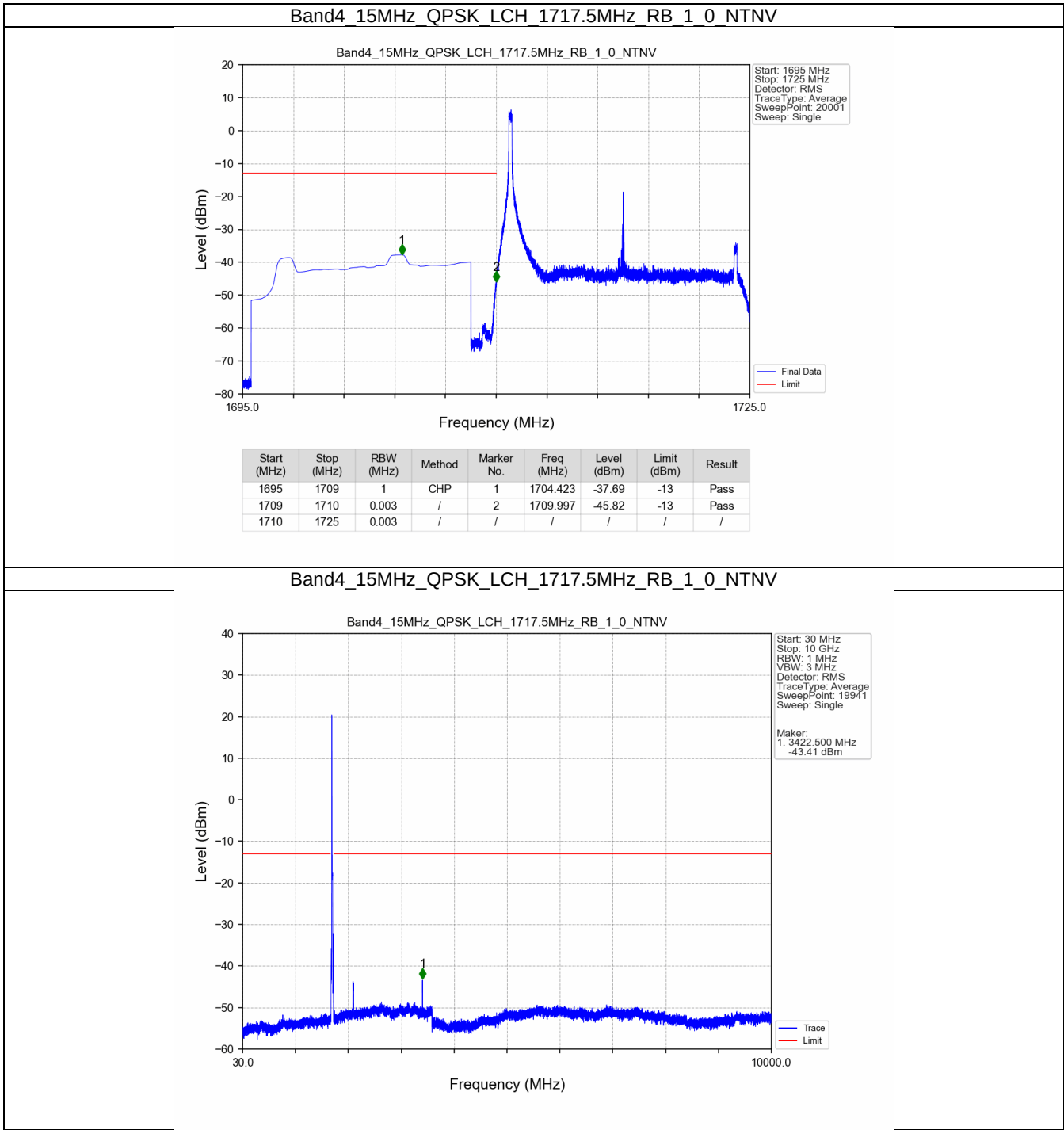
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-41.96	-13	Pass
1756	1765	1	CHP	2	1758.725	-38.81	-13	Pass

Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV

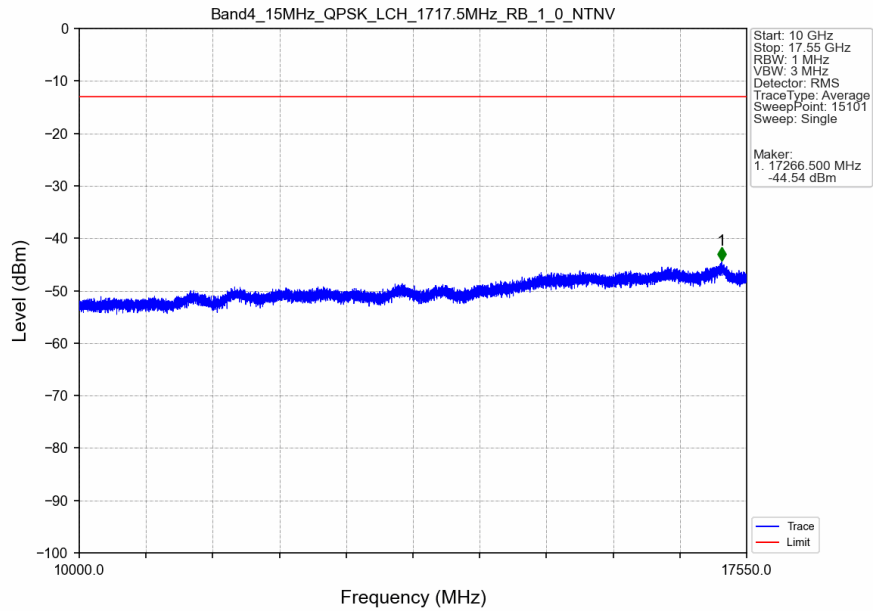


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.099	CHP	/	/	/	/	/
1755	1756	0.099	CHP	1	1755.008	-38.28	-13	Pass
1756	1765	1	CHP	2	1756.628	-29.24	-13	Pass

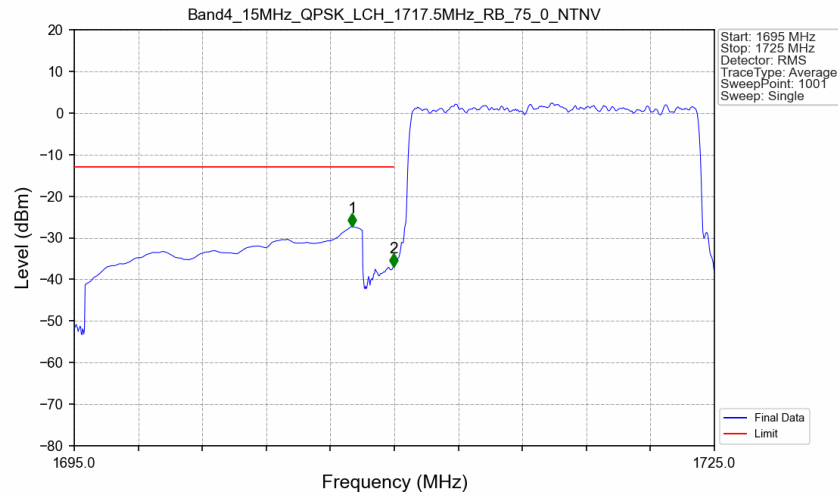
5.2.5 B4_15MHz



Band4 15MHz QPSK LCH 1717.5MHz RB 1 0 NTV

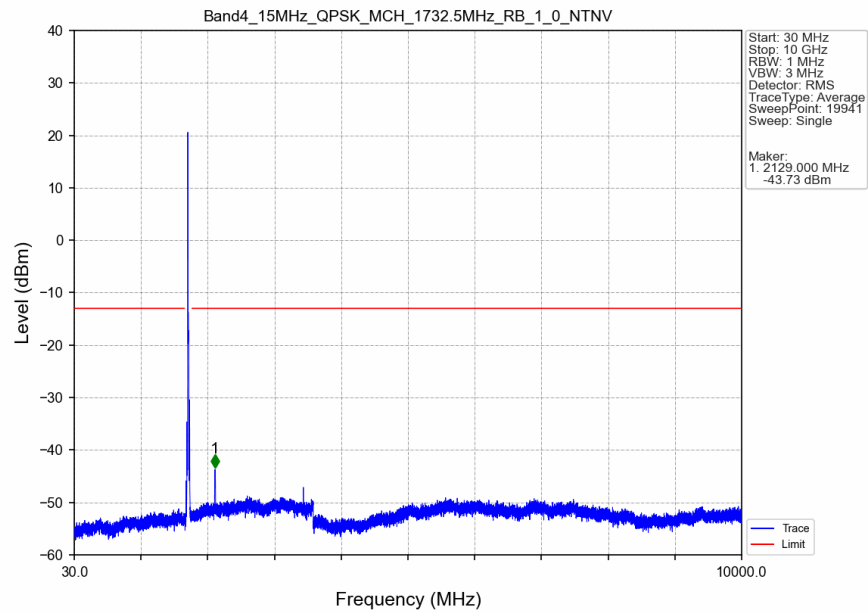


Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTV

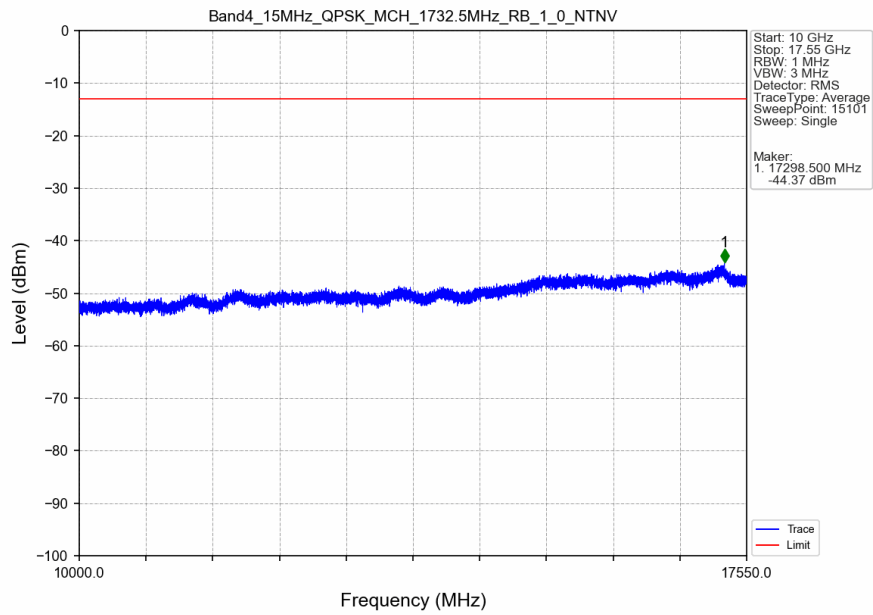


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.020	-27.29	-13	Pass
1709	1710	0.149	CHP	2	1709.970	-36.88	-13	Pass
1710	1725	0.149	CHP	/	/	/	/	/

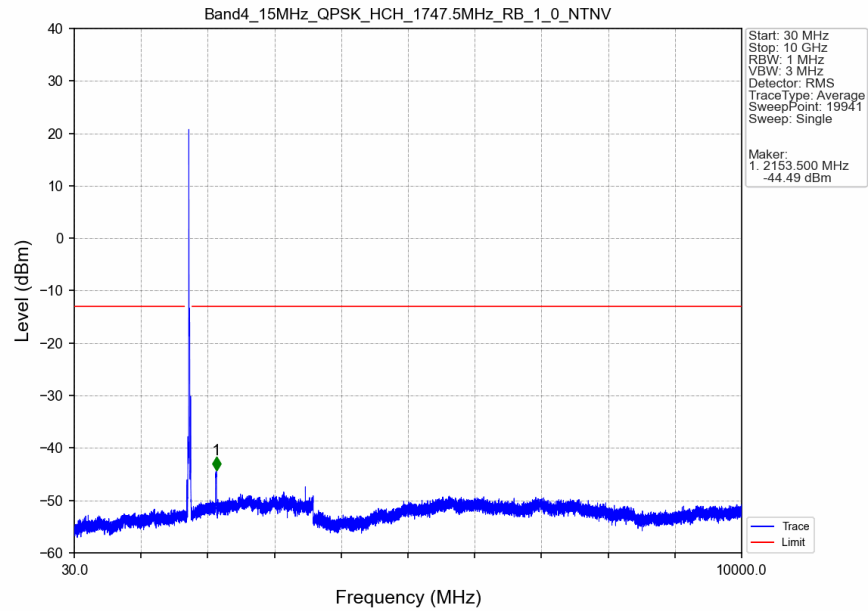
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



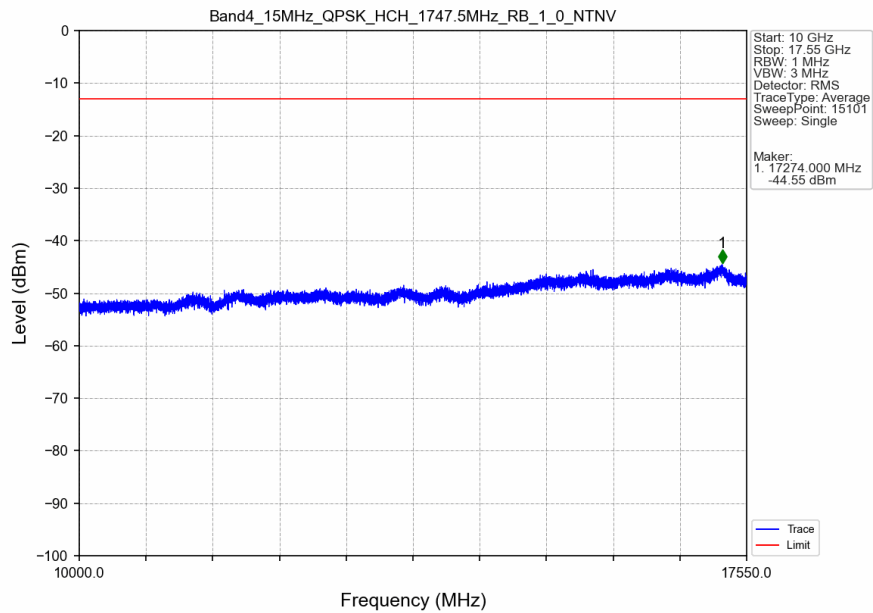
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



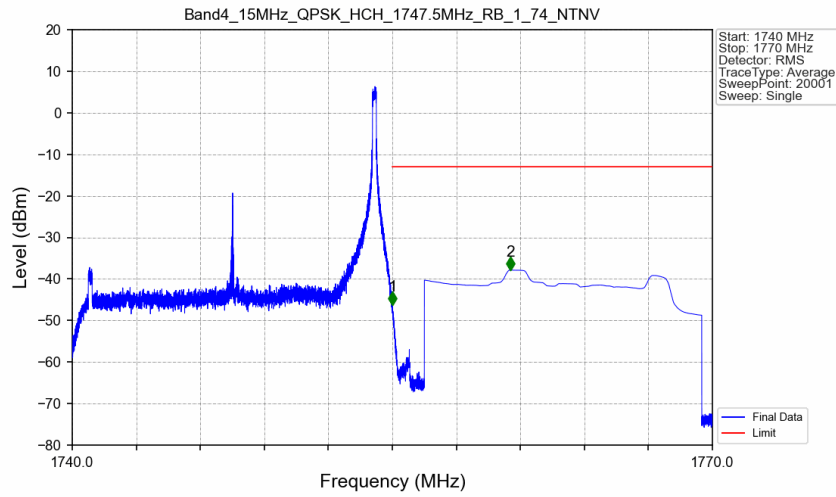
Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV



Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV

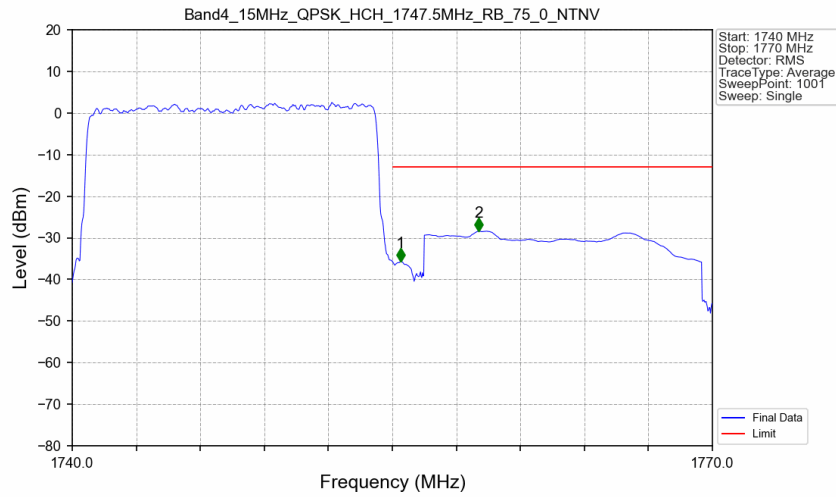


Band4 15MHz QPSK HCH 1747.5MHz RB 1 74 NTV



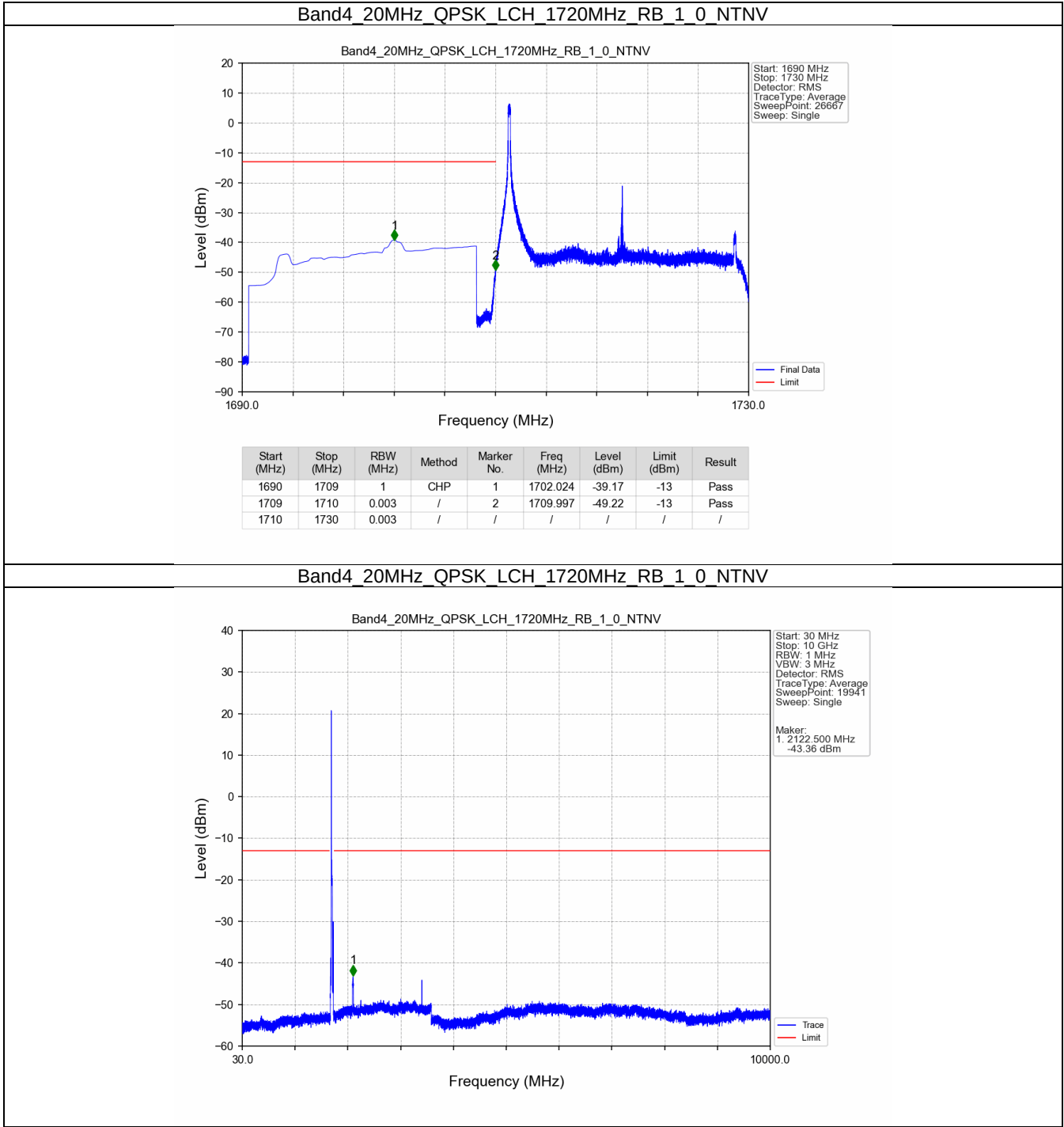
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.005	-46.30	-13	Pass
1756	1770	1	CHP	2	1760.522	-37.84	-13	Pass

Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTV

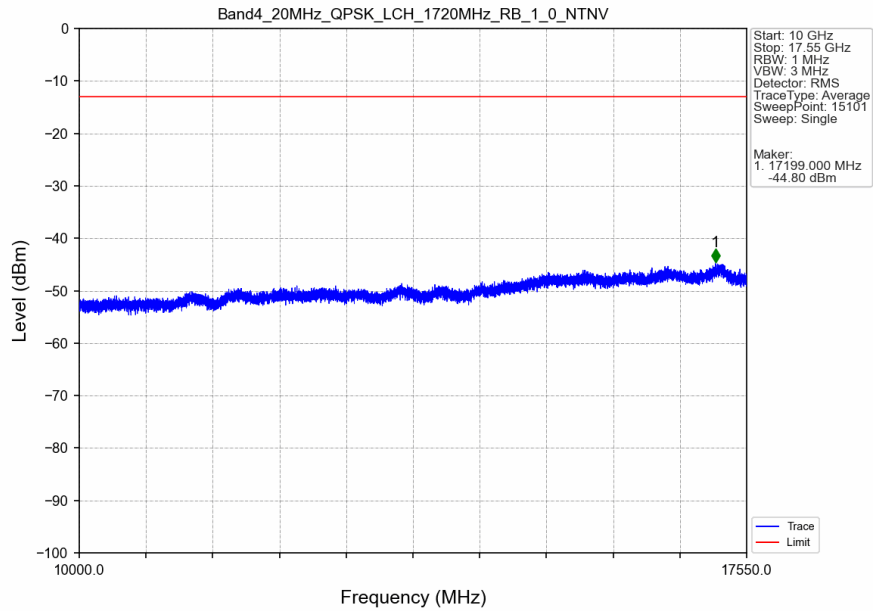


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.149	CHP	/	/	/	/	/
1755	1756	0.149	CHP	1	1755.390	-35.60	-13	Pass
1756	1770	1	CHP	2	1759.050	-28.38	-13	Pass

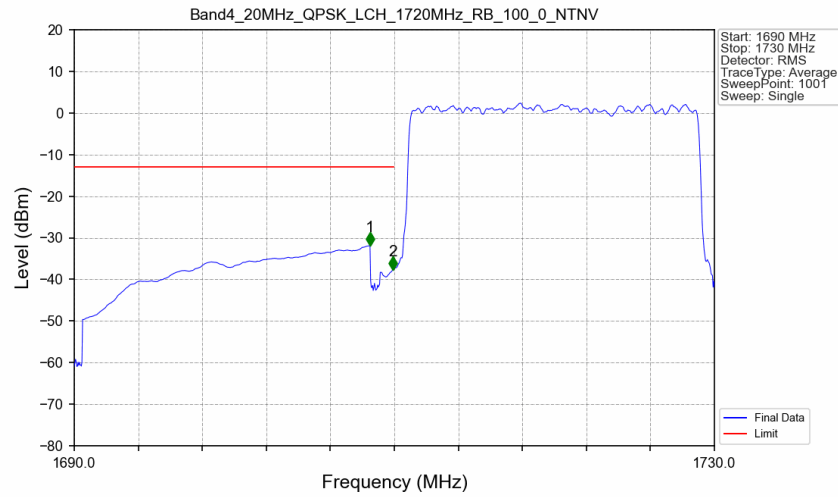
5.2.6 B4_20MHz



Band4 20MHz QPSK LCH 1720MHz RB 1 0 NTNV

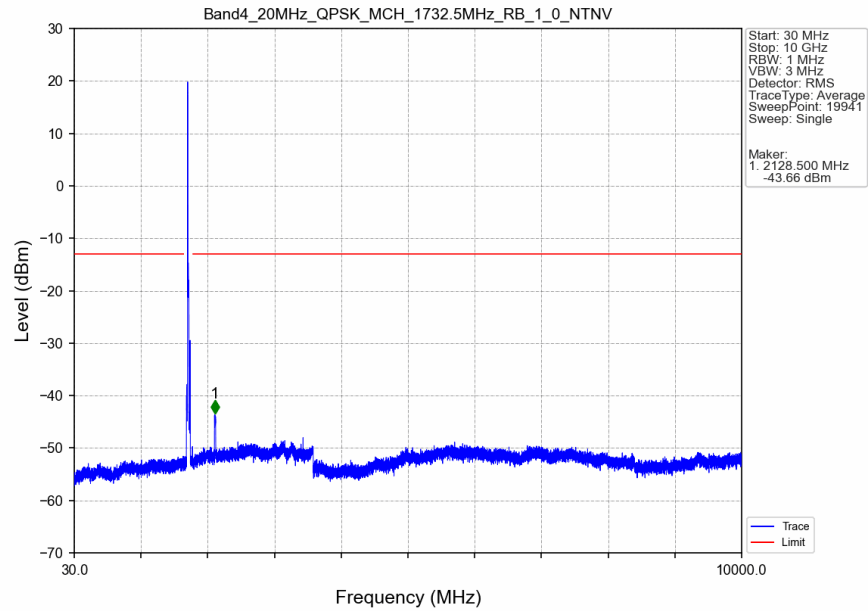


Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV

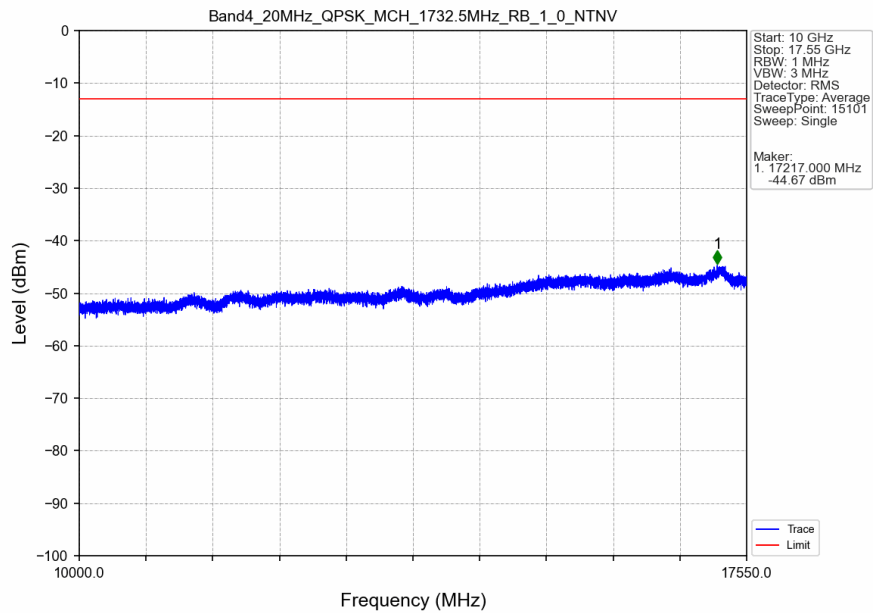


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-31.91	-13	Pass
1709	1710	0.197	CHP	2	1709.920	-37.64	-13	Pass
1710	1730	0.197	CHP	/	/	/	/	/

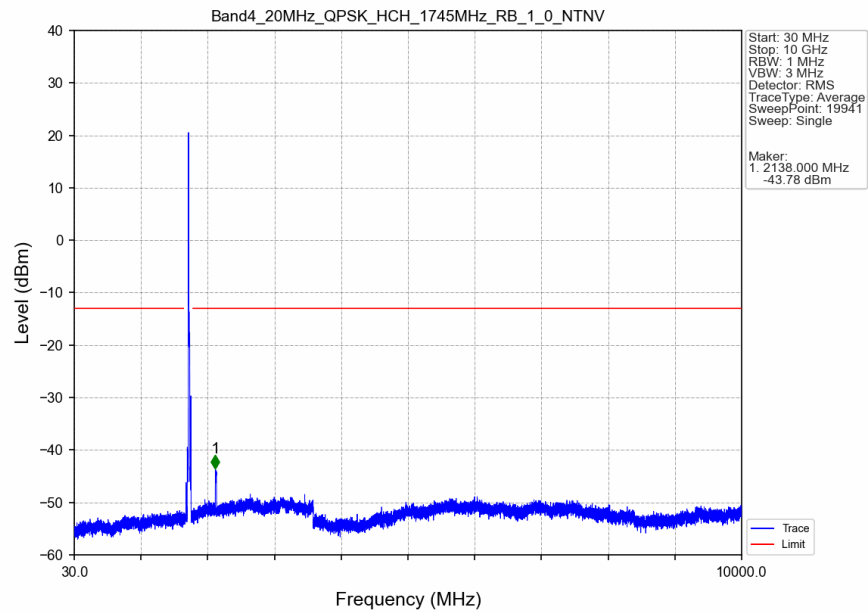
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTV



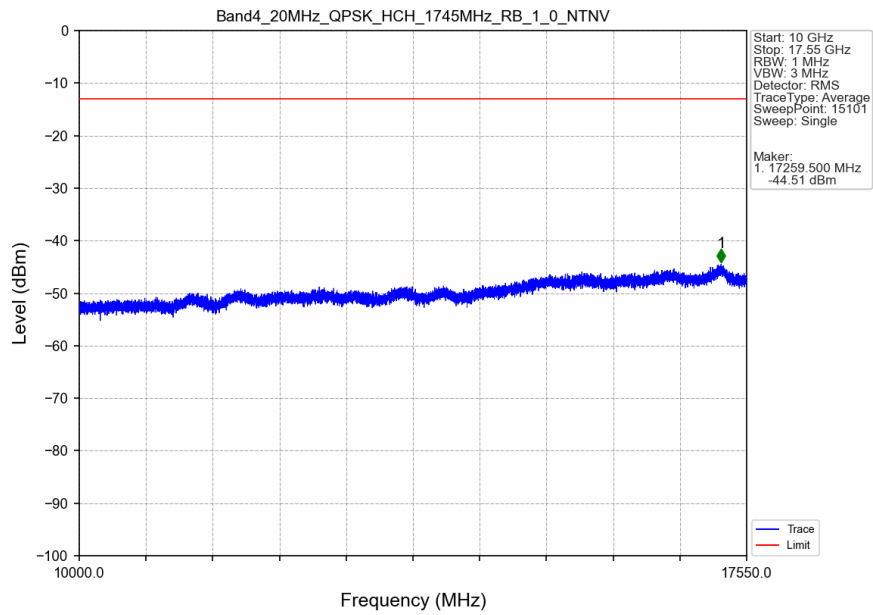
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTV



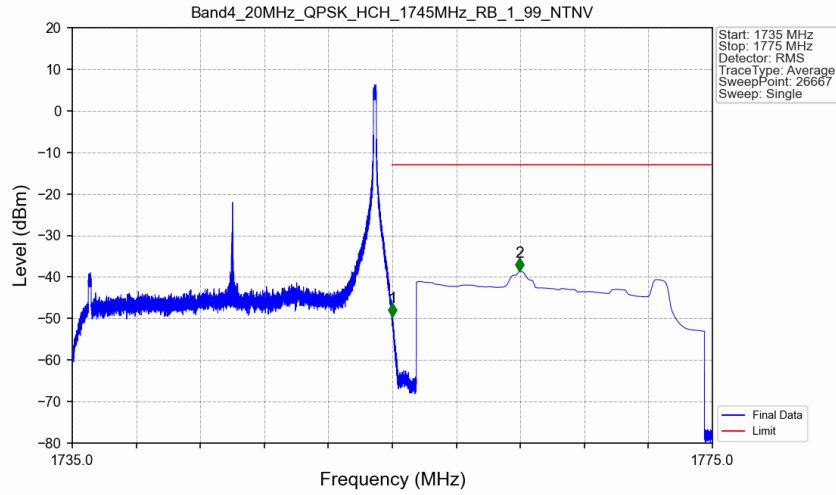
Band4 20MHz QPSK HCH 1745MHz RB 1 0 NTN



Band4 20MHz QPSK HCH 1745MHz RB 1 0 NTN

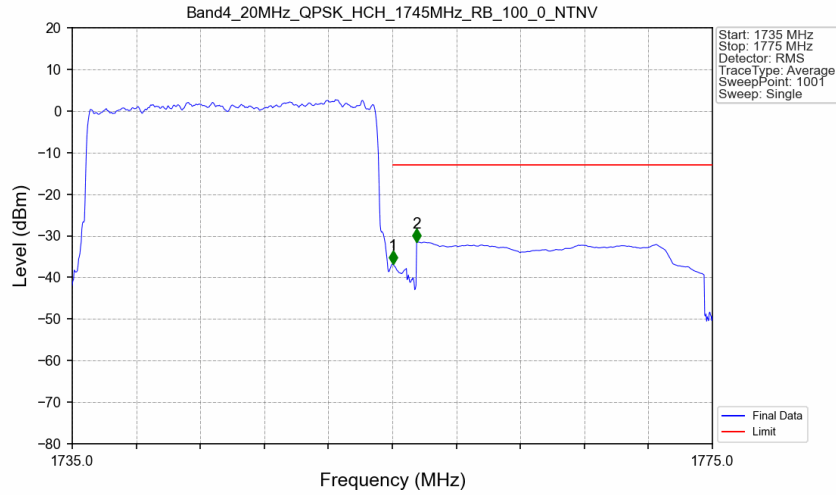


Band4 20MHz QPSK HCH 1745MHz RB 1 99 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.007	-49.45	-13	Pass
1756	1775	1	CHP	2	1762.941	-38.62	-13	Pass

Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.197	CHP	/	/	/	/	/
1755	1756	0.197	CHP	1	1755.040	-36.85	-13	Pass
1756	1775	1	CHP	2	1756.520	-31.53	-13	Pass