

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.89	-2.41	21.48	<=30	Pass
			2	23.90	-2.41	21.49	<=30	Pass
			5	23.85	-2.41	21.44	<=30	Pass
		3	0	23.96	-2.41	21.55	<=30	Pass
			2	23.95	-2.41	21.54	<=30	Pass
			3	23.93	-2.41	21.52	<=30	Pass
	6	0	23.03	-2.41	20.62	<=30	Pass	
	1732.5	1	0	23.94	-2.41	21.53	<=30	Pass
			2	23.99	-2.41	21.58	<=30	Pass
			5	23.92	-2.41	21.51	<=30	Pass
		3	0	24.01	-2.41	21.60	<=30	Pass
			2	24.02	-2.41	21.61	<=30	Pass
			3	24.00	-2.41	21.59	<=30	Pass
	6	0	23.08	-2.41	20.67	<=30	Pass	
	1754.3	1	0	23.82	-2.41	21.41	<=30	Pass
			2	23.82	-2.41	21.41	<=30	Pass
			5	23.78	-2.41	21.37	<=30	Pass
		3	0	23.86	-2.41	21.45	<=30	Pass
2			23.87	-2.41	21.46	<=30	Pass	
3			23.86	-2.41	21.45	<=30	Pass	
6	0	22.95	-2.41	20.54	<=30	Pass		
16QAM	1710.7	1	0	23.20	-2.41	20.79	<=30	Pass
			2	23.21	-2.41	20.80	<=30	Pass
			5	23.18	-2.41	20.77	<=30	Pass
		3	0	23.10	-2.41	20.69	<=30	Pass
			2	23.06	-2.41	20.65	<=30	Pass
			3	23.05	-2.41	20.64	<=30	Pass
	6	0	22.08	-2.41	19.67	<=30	Pass	
	1732.5	1	0	22.96	-2.41	20.55	<=30	Pass
			2	23.04	-2.41	20.63	<=30	Pass
			5	22.98	-2.41	20.57	<=30	Pass
		3	0	23.06	-2.41	20.65	<=30	Pass
			2	23.04	-2.41	20.63	<=30	Pass
			3	23.00	-2.41	20.59	<=30	Pass
	6	0	22.19	-2.41	19.78	<=30	Pass	
	1754.3	1	0	22.96	-2.41	20.55	<=30	Pass
			2	23.00	-2.41	20.59	<=30	Pass
			5	22.97	-2.41	20.56	<=30	Pass
		3	0	22.96	-2.41	20.55	<=30	Pass
2			23.00	-2.41	20.59	<=30	Pass	
3			22.96	-2.41	20.55	<=30	Pass	
6	0	21.96	-2.41	19.55	<=30	Pass		
64QAM	1710.7	1	0	22.57	-2.41	20.16	<=30	Pass
			2	22.65	-2.41	20.24	<=30	Pass
			5	22.61	-2.41	20.20	<=30	Pass
		3	0	22.18	-2.41	19.77	<=30	Pass
			2	22.24	-2.41	19.83	<=30	Pass
			3	22.24	-2.41	19.83	<=30	Pass
6	0	21.20	-2.41	18.79	<=30	Pass		

	1732.5	1	0	22.63	-2.41	20.22	<=30	Pass
			2	22.75	-2.41	20.34	<=30	Pass
			5	22.66	-2.41	20.25	<=30	Pass
		3	0	22.28	-2.41	19.87	<=30	Pass
			2	22.29	-2.41	19.88	<=30	Pass
			3	22.27	-2.41	19.86	<=30	Pass
	6	0	21.22	-2.41	18.81	<=30	Pass	
	1754.3	1	0	21.92	-2.41	19.51	<=30	Pass
			2	21.95	-2.41	19.54	<=30	Pass
			5	21.92	-2.41	19.51	<=30	Pass
		3	0	22.07	-2.41	19.66	<=30	Pass
			2	22.07	-2.41	19.66	<=30	Pass
			3	22.06	-2.41	19.65	<=30	Pass
		6	0	21.23	-2.41	18.82	<=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	23.83	-2.41	21.42	<=30	Pass	
			7	23.93	-2.41	21.52	<=30	Pass	
			14	23.84	-2.41	21.43	<=30	Pass	
		8	0	22.98	-2.41	20.57	<=30	Pass	
			4	23.05	-2.41	20.64	<=30	Pass	
			7	22.99	-2.41	20.58	<=30	Pass	
		15	0	22.97	-2.41	20.56	<=30	Pass	
		1732.5	1	0	23.80	-2.41	21.39	<=30	Pass
				7	23.88	-2.41	21.47	<=30	Pass
	14			23.77	-2.41	21.36	<=30	Pass	
	8		0	22.97	-2.41	20.56	<=30	Pass	
			4	23.07	-2.41	20.66	<=30	Pass	
			7	22.98	-2.41	20.57	<=30	Pass	
	15		0	22.98	-2.41	20.57	<=30	Pass	
	1753.5		1	0	23.71	-2.41	21.30	<=30	Pass
				7	23.77	-2.41	21.36	<=30	Pass
		14		23.67	-2.41	21.26	<=30	Pass	
		8	0	22.90	-2.41	20.49	<=30	Pass	
			4	22.97	-2.41	20.56	<=30	Pass	
			7	22.90	-2.41	20.49	<=30	Pass	
	15	0	22.87	-2.41	20.46	<=30	Pass		
	16QAM	1711.5	1	0	22.86	-2.41	20.45	<=30	Pass
				7	22.93	-2.41	20.52	<=30	Pass
				14	22.82	-2.41	20.41	<=30	Pass
8			0	22.11	-2.41	19.70	<=30	Pass	
			4	22.20	-2.41	19.79	<=30	Pass	
			7	22.16	-2.41	19.75	<=30	Pass	
15		0	22.00	-2.41	19.59	<=30	Pass		
1732.5		1	0	23.06	-2.41	20.65	<=30	Pass	
			7	23.09	-2.41	20.68	<=30	Pass	
			14	22.95	-2.41	20.54	<=30	Pass	
		8	0	21.99	-2.41	19.58	<=30	Pass	
			4	22.05	-2.41	19.64	<=30	Pass	
			7	22.02	-2.41	19.61	<=30	Pass	
15		0	22.03	-2.41	19.62	<=30	Pass		
1753.5		1	0	22.87	-2.41	20.46	<=30	Pass	

64QAM		8	7	23.00	-2.41	20.59	<=30	Pass			
			14	22.88	-2.41	20.47	<=30	Pass			
			0	22.05	-2.41	19.64	<=30	Pass			
		15	8	4	22.15	-2.41	19.74	<=30	Pass		
				7	22.10	-2.41	19.69	<=30	Pass		
				0	21.95	-2.41	19.54	<=30	Pass		
		1711.5	1	8	0	22.48	-2.41	20.07	<=30	Pass	
					7	22.60	-2.41	20.19	<=30	Pass	
					14	22.52	-2.41	20.11	<=30	Pass	
				8	0	21.18	-2.41	18.77	<=30	Pass	
					4	21.28	-2.41	18.87	<=30	Pass	
					7	21.25	-2.41	18.84	<=30	Pass	
			1732.5	1	8	0	21.01	-2.41	18.60	<=30	Pass
						7	21.97	-2.41	19.56	<=30	Pass
						14	22.09	-2.41	19.68	<=30	Pass
8	0			21.15	-2.41	18.74	<=30	Pass			
	4			21.19	-2.41	18.78	<=30	Pass			
	7			21.14	-2.41	18.73	<=30	Pass			
1753.5	1	8	0	21.03	-2.41	18.62	<=30	Pass			
			7	22.07	-2.41	19.66	<=30	Pass			
			14	22.19	-2.41	19.78	<=30	Pass			
	8	8	0	22.06	-2.41	19.65	<=30	Pass			
			4	21.13	-2.41	18.72	<=30	Pass			
			7	21.17	-2.41	18.76	<=30	Pass			
	15	8	0	21.09	-2.41	18.68	<=30	Pass			
			7	21.09	-2.41	18.68	<=30	Pass			
			0	21.04	-2.41	18.63	<=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	24.04	-2.41	21.63	<=30	Pass	
			13	24.12	-2.41	21.71	<=30	Pass	
			24	24.04	-2.41	21.63	<=30	Pass	
		12	0	22.97	-2.41	20.56	<=30	Pass	
			6	23.07	-2.41	20.66	<=30	Pass	
			13	23.10	-2.41	20.69	<=30	Pass	
		25	0	23.07	-2.41	20.66	<=30	Pass	
			1	0	24.10	-2.41	21.69	<=30	Pass
				13	24.19	-2.41	21.78	<=30	Pass
	24	24.09		-2.41	21.68	<=30	Pass		
	1732.5	12	0	23.04	-2.41	20.63	<=30	Pass	
			6	23.16	-2.41	20.75	<=30	Pass	
			13	23.09	-2.41	20.68	<=30	Pass	
		25	0	23.05	-2.41	20.64	<=30	Pass	
			1	0	24.07	-2.41	21.66	<=30	Pass
				13	24.14	-2.41	21.73	<=30	Pass
	24	24.06		-2.41	21.65	<=30	Pass		
	1752.5	12	0	23.01	-2.41	20.60	<=30	Pass	
			6	23.05	-2.41	20.64	<=30	Pass	
			13	23.03	-2.41	20.62	<=30	Pass	
		25	0	23.02	-2.41	20.61	<=30	Pass	
			1	0	23.22	-2.41	20.81	<=30	Pass
				13	23.35	-2.41	20.94	<=30	Pass

64QAM	1732.5	12	24	23.25	-2.41	20.84	<=30	Pass	
			0	22.03	-2.41	19.62	<=30	Pass	
			6	22.13	-2.41	19.72	<=30	Pass	
			13	22.12	-2.41	19.71	<=30	Pass	
		25	0	22.09	-2.41	19.68	<=30	Pass	
			1	0	23.27	-2.41	20.86	<=30	Pass
				13	23.37	-2.41	20.96	<=30	Pass
		12	24	23.26	-2.41	20.85	<=30	Pass	
			0	22.02	-2.41	19.61	<=30	Pass	
			6	22.10	-2.41	19.69	<=30	Pass	
		25	13	22.07	-2.41	19.66	<=30	Pass	
			0	22.08	-2.41	19.67	<=30	Pass	
	1		0	23.30	-2.41	20.89	<=30	Pass	
		13	23.36	-2.41	20.95	<=30	Pass		
		24	23.30	-2.41	20.89	<=30	Pass		
	1752.5	12	0	21.96	-2.41	19.55	<=30	Pass	
			6	22.01	-2.41	19.60	<=30	Pass	
			13	21.99	-2.41	19.58	<=30	Pass	
		25	0	22.05	-2.41	19.64	<=30	Pass	
			1	0	22.43	-2.41	20.02	<=30	Pass
				13	22.52	-2.41	20.11	<=30	Pass
		24		22.47	-2.41	20.06	<=30	Pass	
		12	0	21.12	-2.41	18.71	<=30	Pass	
			6	21.20	-2.41	18.79	<=30	Pass	
13			21.22	-2.41	18.81	<=30	Pass		
25		0	21.17	-2.41	18.76	<=30	Pass		
		1	0	22.62	-2.41	20.21	<=30	Pass	
	13		22.71	-2.41	20.30	<=30	Pass		
24	22.62		-2.41	20.21	<=30	Pass			
12	0	21.18	-2.41	18.77	<=30	Pass			
	6	21.27	-2.41	18.86	<=30	Pass			
	13	21.21	-2.41	18.80	<=30	Pass			
25	0	21.24	-2.41	18.83	<=30	Pass			
	1	0	22.07	-2.41	19.66	<=30	Pass		
		13	22.16	-2.41	19.75	<=30	Pass		
24		22.07	-2.41	19.66	<=30	Pass			
12	0	21.06	-2.41	18.65	<=30	Pass			
	6	21.12	-2.41	18.71	<=30	Pass			
	13	21.07	-2.41	18.66	<=30	Pass			
25	0	21.12	-2.41	18.71	<=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	24.03	-2.41	21.62	<=30	Pass	
			25	24.11	-2.41	21.70	<=30	Pass	
			49	24.03	-2.41	21.62	<=30	Pass	
		25	0	22.95	-2.41	20.54	<=30	Pass	
			13	23.08	-2.41	20.67	<=30	Pass	
			25	23.08	-2.41	20.67	<=30	Pass	
	1732.5	50	0	23.06	-2.41	20.65	<=30	Pass	
			1	0	24.10	-2.41	21.69	<=30	Pass
				25	24.19	-2.41	21.78	<=30	Pass
		49		24.09	-2.41	21.68	<=30	Pass	

		25	0	23.02	-2.41	20.61	<=30	Pass	
			13	23.09	-2.41	20.68	<=30	Pass	
			25	23.10	-2.41	20.69	<=30	Pass	
		50	0	23.06	-2.41	20.65	<=30	Pass	
			1	0	24.02	-2.41	21.61	<=30	Pass
				25	24.05	-2.41	21.64	<=30	Pass
	49	24.00		-2.41	21.59	<=30	Pass		
	1750	25	0	22.99	-2.41	20.58	<=30	Pass	
			13	23.04	-2.41	20.63	<=30	Pass	
			25	23.01	-2.41	20.60	<=30	Pass	
		50	0	23.01	-2.41	20.60	<=30	Pass	
	16QAM	1715	1	0	23.22	-2.41	20.81	<=30	Pass
25				23.30	-2.41	20.89	<=30	Pass	
49				23.26	-2.41	20.85	<=30	Pass	
25			0	22.02	-2.41	19.61	<=30	Pass	
			13	22.18	-2.41	19.77	<=30	Pass	
			25	22.14	-2.41	19.73	<=30	Pass	
50			0	22.05	-2.41	19.64	<=30	Pass	
1732.5			1	0	23.16	-2.41	20.75	<=30	Pass
				25	23.23	-2.41	20.82	<=30	Pass
				49	23.13	-2.41	20.72	<=30	Pass
			25	0	22.09	-2.41	19.68	<=30	Pass
				13	22.16	-2.41	19.75	<=30	Pass
		25		22.14	-2.41	19.73	<=30	Pass	
50		0	22.06	-2.41	19.65	<=30	Pass		
1750		1	0	23.21	-2.41	20.80	<=30	Pass	
			25	23.25	-2.41	20.84	<=30	Pass	
			49	23.16	-2.41	20.75	<=30	Pass	
		25	0	22.03	-2.41	19.62	<=30	Pass	
			13	22.11	-2.41	19.70	<=30	Pass	
			25	22.07	-2.41	19.66	<=30	Pass	
50		0	21.97	-2.41	19.56	<=30	Pass		
64QAM		1715	1	0	22.29	-2.41	19.88	<=30	Pass
				25	22.37	-2.41	19.96	<=30	Pass
				49	22.29	-2.41	19.88	<=30	Pass
	25		0	21.00	-2.41	18.59	<=30	Pass	
			13	21.16	-2.41	18.75	<=30	Pass	
			25	21.11	-2.41	18.70	<=30	Pass	
	50		0	21.10	-2.41	18.69	<=30	Pass	
	1732.5		1	0	22.78	-2.41	20.37	<=30	Pass
				25	22.86	-2.41	20.45	<=30	Pass
				49	22.74	-2.41	20.33	<=30	Pass
			25	0	21.21	-2.41	18.80	<=30	Pass
				13	21.27	-2.41	18.86	<=30	Pass
		25		21.26	-2.41	18.85	<=30	Pass	
	50	0	21.18	-2.41	18.77	<=30	Pass		
	1750	1	0	22.05	-2.41	19.64	<=30	Pass	
			25	22.13	-2.41	19.72	<=30	Pass	
			49	22.01	-2.41	19.60	<=30	Pass	
		25	0	21.07	-2.41	18.66	<=30	Pass	
			13	21.12	-2.41	18.71	<=30	Pass	
			25	21.10	-2.41	18.69	<=30	Pass	
	50	0	21.01	-2.41	18.60	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1717.5	1	0	24.02	-2.41	21.61	<=30	Pass		
			38	24.09	-2.41	21.68	<=30	Pass		
			74	24.04	-2.41	21.63	<=30	Pass		
		36	0	23.02	-2.41	20.61	<=30	Pass		
			18	23.06	-2.41	20.65	<=30	Pass		
			39	23.06	-2.41	20.65	<=30	Pass		
		75	0	23.07	-2.41	20.66	<=30	Pass		
		1732.5	1	0	24.12	-2.41	21.71	<=30	Pass	
				38	24.19	-2.41	21.78	<=30	Pass	
	74			24.09	-2.41	21.68	<=30	Pass		
	36		0	23.04	-2.41	20.63	<=30	Pass		
			18	23.09	-2.41	20.68	<=30	Pass		
			39	23.11	-2.41	20.70	<=30	Pass		
	75		0	23.11	-2.41	20.70	<=30	Pass		
	1747.5		1	0	24.05	-2.41	21.64	<=30	Pass	
				38	24.06	-2.41	21.65	<=30	Pass	
		74		23.96	-2.41	21.55	<=30	Pass		
		36	0	23.07	-2.41	20.66	<=30	Pass		
			18	23.09	-2.41	20.68	<=30	Pass		
			39	23.04	-2.41	20.63	<=30	Pass		
		75	0	23.09	-2.41	20.68	<=30	Pass		
		16QAM	1717.5	1	0	23.21	-2.41	20.80	<=30	Pass
					38	23.30	-2.41	20.89	<=30	Pass
	74				23.26	-2.41	20.85	<=30	Pass	
36	0			22.03	-2.41	19.62	<=30	Pass		
	18			22.09	-2.41	19.68	<=30	Pass		
	39			22.09	-2.41	19.68	<=30	Pass		
75	0			22.05	-2.41	19.64	<=30	Pass		
1732.5	1			0	23.16	-2.41	20.75	<=30	Pass	
				38	23.24	-2.41	20.83	<=30	Pass	
			74	23.14	-2.41	20.73	<=30	Pass		
	36		0	22.06	-2.41	19.65	<=30	Pass		
			18	22.11	-2.41	19.70	<=30	Pass		
			39	22.12	-2.41	19.71	<=30	Pass		
	75		0	22.12	-2.41	19.71	<=30	Pass		
	1747.5		1	0	23.53	-2.41	21.12	<=30	Pass	
				38	23.50	-2.41	21.09	<=30	Pass	
74				23.40	-2.41	20.99	<=30	Pass		
36			0	22.07	-2.41	19.66	<=30	Pass		
			18	22.09	-2.41	19.68	<=30	Pass		
			39	22.03	-2.41	19.62	<=30	Pass		
75			0	22.06	-2.41	19.65	<=30	Pass		
64QAM			1717.5	1	0	22.29	-2.41	19.88	<=30	Pass
					38	22.36	-2.41	19.95	<=30	Pass
	74				22.36	-2.41	19.95	<=30	Pass	
	36	0		21.16	-2.41	18.75	<=30	Pass		
		18		21.20	-2.41	18.79	<=30	Pass		
		39		21.21	-2.41	18.80	<=30	Pass		
	75	0		21.14	-2.41	18.73	<=30	Pass		
	1732.5	1		0	22.76	-2.41	20.35	<=30	Pass	
				38	22.87	-2.41	20.46	<=30	Pass	
			74	22.74	-2.41	20.33	<=30	Pass		
		36	0	21.14	-2.41	18.73	<=30	Pass		
			18	21.18	-2.41	18.77	<=30	Pass		
			39	21.19	-2.41	18.78	<=30	Pass		
	75	0	21.15	-2.41	18.74	<=30	Pass			

	1747.5	1	0	22.05	-2.41	19.64	<=30	Pass
			38	22.03	-2.41	19.62	<=30	Pass
			74	21.92	-2.41	19.51	<=30	Pass
		36	0	21.15	-2.41	18.74	<=30	Pass
			18	21.17	-2.41	18.76	<=30	Pass
			39	21.12	-2.41	18.71	<=30	Pass
75	0	21.16	-2.41	18.75	<=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	23.99	-2.41	21.58	<=30	Pass		
			50	24.16	-2.41	21.75	<=30	Pass		
			99	24.04	-2.41	21.63	<=30	Pass		
		50	0	23.01	-2.41	20.60	<=30	Pass		
			25	23.12	-2.41	20.71	<=30	Pass		
			50	23.13	-2.41	20.72	<=30	Pass		
		100	0	23.05	-2.41	20.64	<=30	Pass		
		1732.5	1	0	23.92	-2.41	21.51	<=30	Pass	
				50	24.09	-2.41	21.68	<=30	Pass	
	99			23.98	-2.41	21.57	<=30	Pass		
	50		0	23.09	-2.41	20.68	<=30	Pass		
			25	23.15	-2.41	20.74	<=30	Pass		
			50	23.18	-2.41	20.77	<=30	Pass		
	100		0	23.13	-2.41	20.72	<=30	Pass		
	1745		1	0	23.99	-2.41	21.58	<=30	Pass	
				50	24.14	-2.41	21.73	<=30	Pass	
		99		23.94	-2.41	21.53	<=30	Pass		
		50	0	23.07	-2.41	20.66	<=30	Pass		
			25	23.16	-2.41	20.75	<=30	Pass		
			50	23.07	-2.41	20.66	<=30	Pass		
		100	0	23.08	-2.41	20.67	<=30	Pass		
		16QAM	1720	1	0	23.17	-2.41	20.76	<=30	Pass
					50	23.35	-2.41	20.94	<=30	Pass
	99				23.23	-2.41	20.82	<=30	Pass	
50	0			22.01	-2.41	19.60	<=30	Pass		
	25			22.13	-2.41	19.72	<=30	Pass		
	50			22.11	-2.41	19.70	<=30	Pass		
100	0			22.04	-2.41	19.63	<=30	Pass		
1732.5	1			0	23.39	-2.41	20.98	<=30	Pass	
				50	23.60	-2.41	21.19	<=30	Pass	
			99	23.43	-2.41	21.02	<=30	Pass		
	50		0	22.09	-2.41	19.68	<=30	Pass		
			25	22.15	-2.41	19.74	<=30	Pass		
			50	22.15	-2.41	19.74	<=30	Pass		
	100		0	22.09	-2.41	19.68	<=30	Pass		
	1745		1	0	23.21	-2.41	20.80	<=30	Pass	
				50	23.37	-2.41	20.96	<=30	Pass	
99				23.13	-2.41	20.72	<=30	Pass		
50			0	22.09	-2.41	19.68	<=30	Pass		
			25	22.14	-2.41	19.73	<=30	Pass		
			50	22.08	-2.41	19.67	<=30	Pass		
100			0	22.11	-2.41	19.70	<=30	Pass		
64QAM			1720	1	0	22.49	-2.41	20.08	<=30	Pass

	1732.5	50	50	22.68	-2.41	20.27	<=30	Pass	
			99	22.58	-2.41	20.17	<=30	Pass	
		50	0	21.12	-2.41	18.71	<=30	Pass	
			25	21.24	-2.41	18.83	<=30	Pass	
			50	21.24	-2.41	18.83	<=30	Pass	
		100	0	21.12	-2.41	18.71	<=30	Pass	
			0	22.38	-2.41	19.97	<=30	Pass	
		1	50	22.60	-2.41	20.19	<=30	Pass	
			99	22.45	-2.41	20.04	<=30	Pass	
			50	0	21.15	-2.41	18.74	<=30	Pass
	25			21.22	-2.41	18.81	<=30	Pass	
	50			21.23	-2.41	18.82	<=30	Pass	
	100	0	21.17	-2.41	18.76	<=30	Pass		
	1745	1	0	22.34	-2.41	19.93	<=30	Pass	
			50	22.46	-2.41	20.05	<=30	Pass	
			99	22.25	-2.41	19.84	<=30	Pass	
		50	0	21.16	-2.41	18.75	<=30	Pass	
			25	21.21	-2.41	18.80	<=30	Pass	
			50	21.16	-2.41	18.75	<=30	Pass	
		100	0	21.14	-2.41	18.73	<=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	-5.722	-0.0033	-2.5 to 2.5	Pass
					NV	-2.360	-0.0014	-2.5 to 2.5	Pass
					HV	-4.463	-0.0026	-2.5 to 2.5	Pass
				-30	NV	-1.602	-0.0009	-2.5 to 2.5	Pass
				-20	NV	-2.518	-0.0015	-2.5 to 2.5	Pass
				-10	NV	-1.860	-0.0011	-2.5 to 2.5	Pass
				0	NV	0.744	0.0004	-2.5 to 2.5	Pass
				10	NV	-0.043	0.0000	-2.5 to 2.5	Pass
				30	NV	-0.844	-0.0005	-2.5 to 2.5	Pass
				40	NV	-1.245	-0.0007	-2.5 to 2.5	Pass
				50	NV	-0.973	-0.0006	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

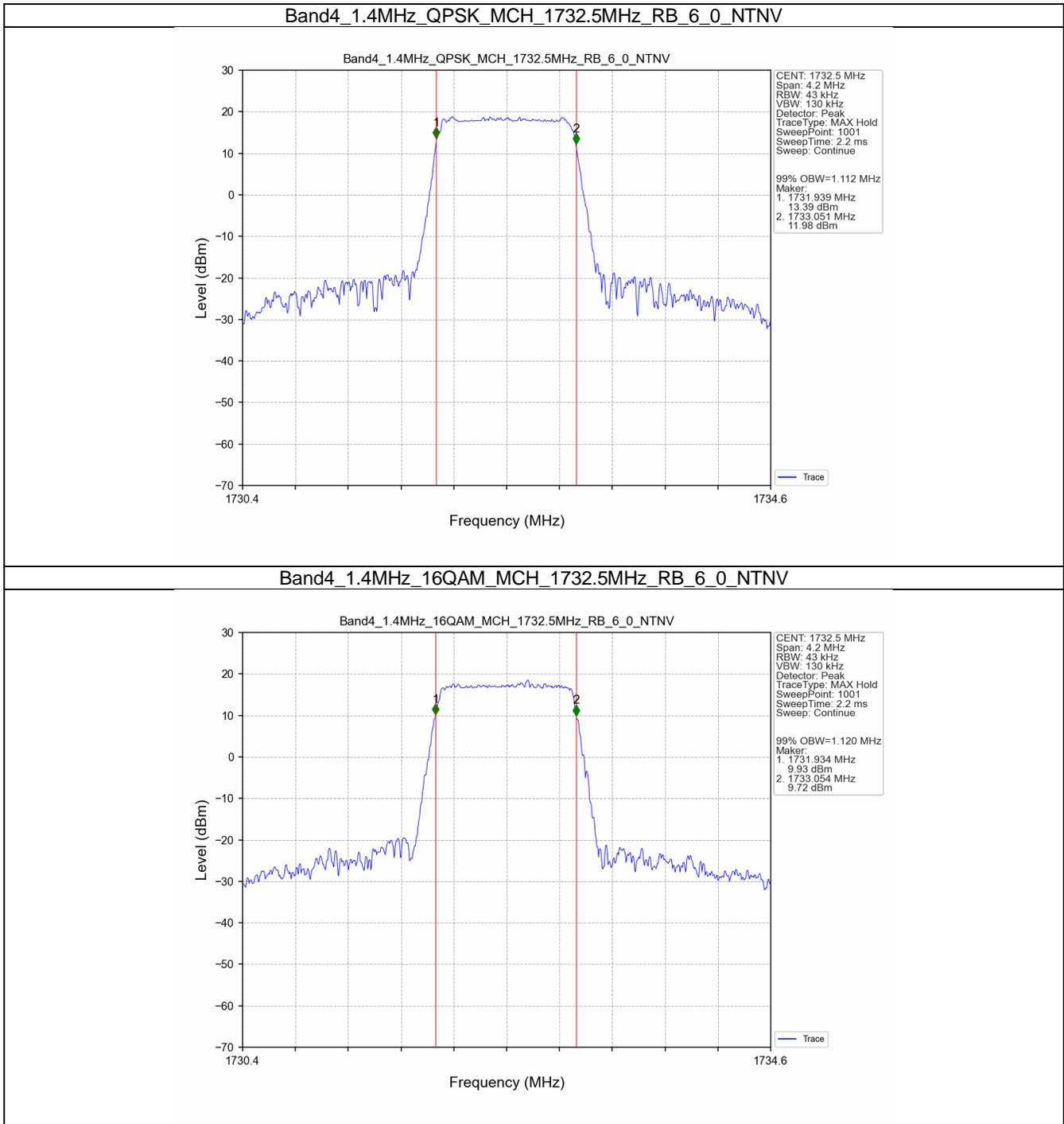
Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.112	/	Pass
	16QAM	1732.5	6	0	1.120	/	Pass
	64QAM	1732.5	6	0	1.111	/	Pass
3	QPSK	1732.5	15	0	2.727	/	Pass
	16QAM	1732.5	15	0	2.746	/	Pass
	64QAM	1732.5	15	0	2.712	/	Pass
5	QPSK	1732.5	25	0	4.553	/	Pass
	16QAM	1732.5	25	0	4.541	/	Pass
	64QAM	1732.5	25	0	4.531	/	Pass
10	QPSK	1732.5	50	0	9.046	/	Pass
	16QAM	1732.5	50	0	9.061	/	Pass
	64QAM	1732.5	50	0	9.036	/	Pass
15	QPSK	1732.5	75	0	13.579	/	Pass
	16QAM	1732.5	75	0	13.586	/	Pass
	64QAM	1732.5	75	0	13.561	/	Pass
20	QPSK	1732.5	100	0	18.108	/	Pass
	16QAM	1732.5	100	0	18.173	/	Pass
	64QAM	1732.5	100	0	18.025	/	Pass

3.1.2 Band4_XDB

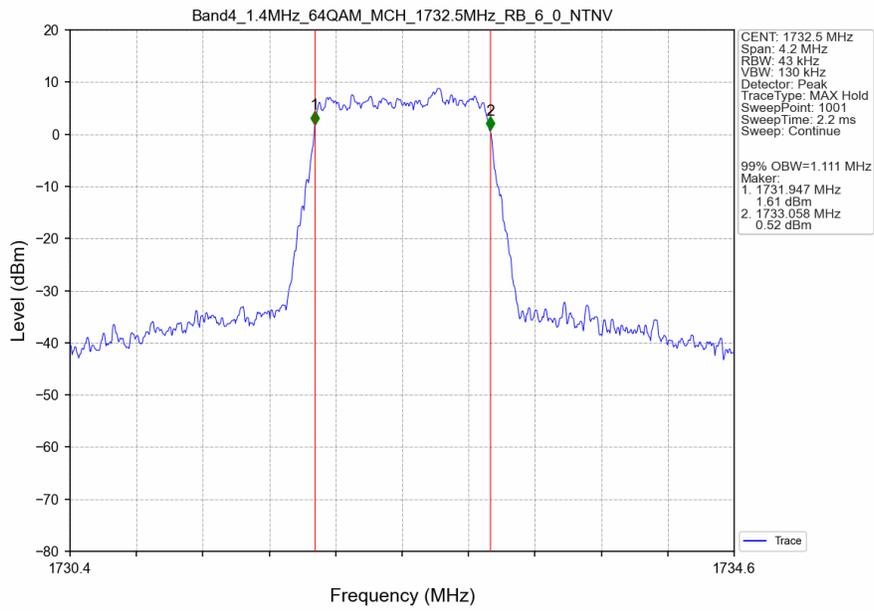
Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.300	/	Pass
	16QAM	1732.5	6	0	1.319	/	Pass
	64QAM	1732.5	6	0	1.292	/	Pass
3	QPSK	1732.5	15	0	3.036	/	Pass
	16QAM	1732.5	15	0	3.040	/	Pass
	64QAM	1732.5	15	0	3.024	/	Pass
5	QPSK	1732.5	25	0	4.996	/	Pass
	16QAM	1732.5	25	0	5.001	/	Pass
	64QAM	1732.5	25	0	4.970	/	Pass
10	QPSK	1732.5	50	0	9.935	/	Pass
	16QAM	1732.5	50	0	9.886	/	Pass
	64QAM	1732.5	50	0	9.891	/	Pass
15	QPSK	1732.5	75	0	14.910	/	Pass
	16QAM	1732.5	75	0	14.872	/	Pass
	64QAM	1732.5	75	0	14.810	/	Pass
20	QPSK	1732.5	100	0	19.608	/	Pass
	16QAM	1732.5	100	0	19.650	/	Pass
	64QAM	1732.5	100	0	19.731	/	Pass

3.2 Test Graph

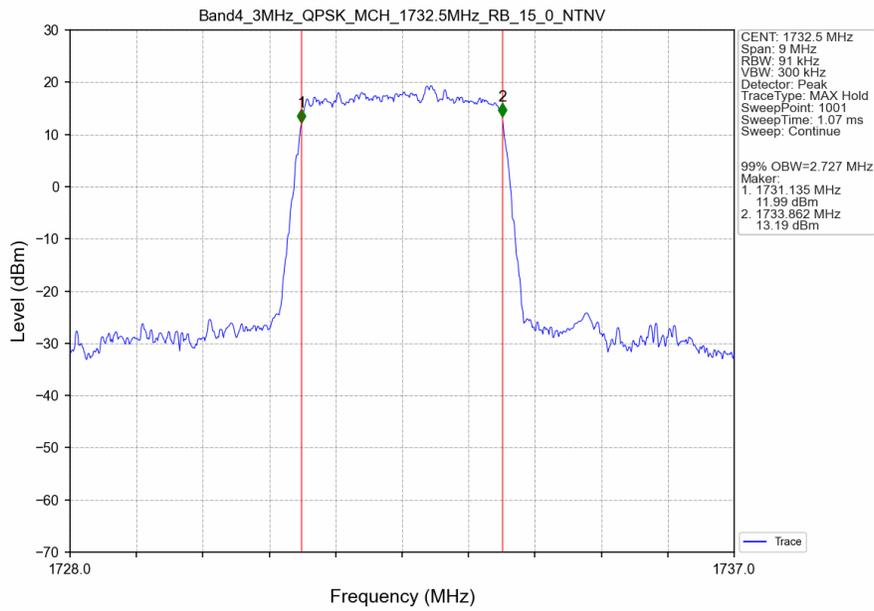
3.2.1 Band4_OBW



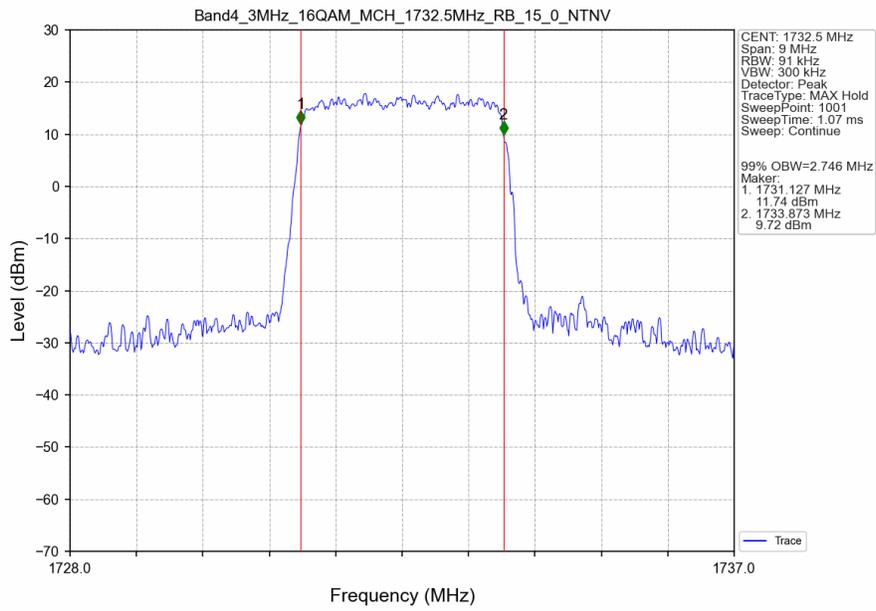
Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_6_0_NTNV



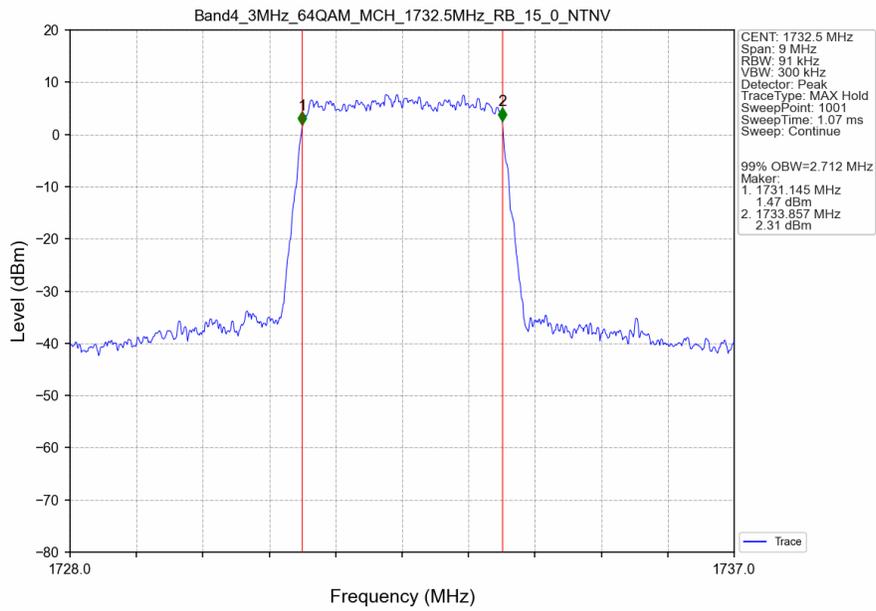
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



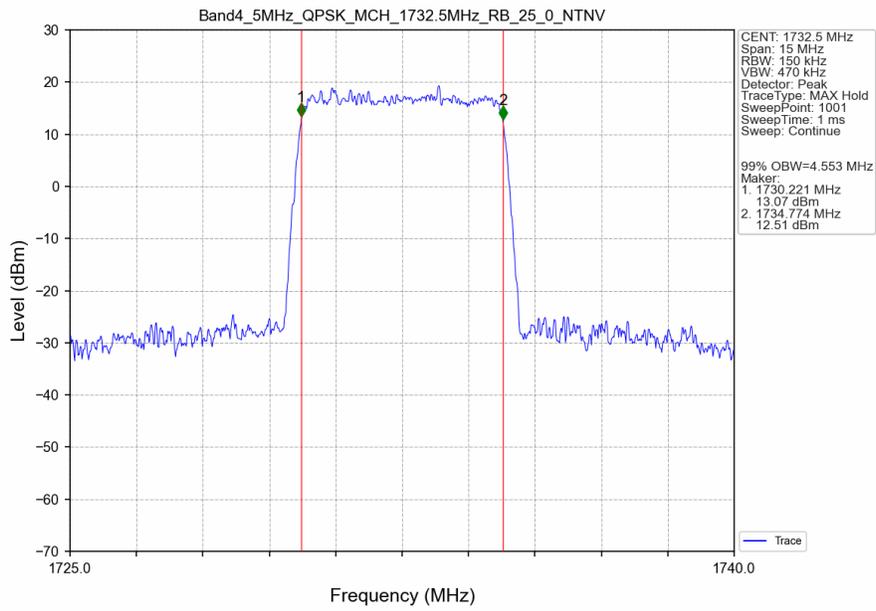
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



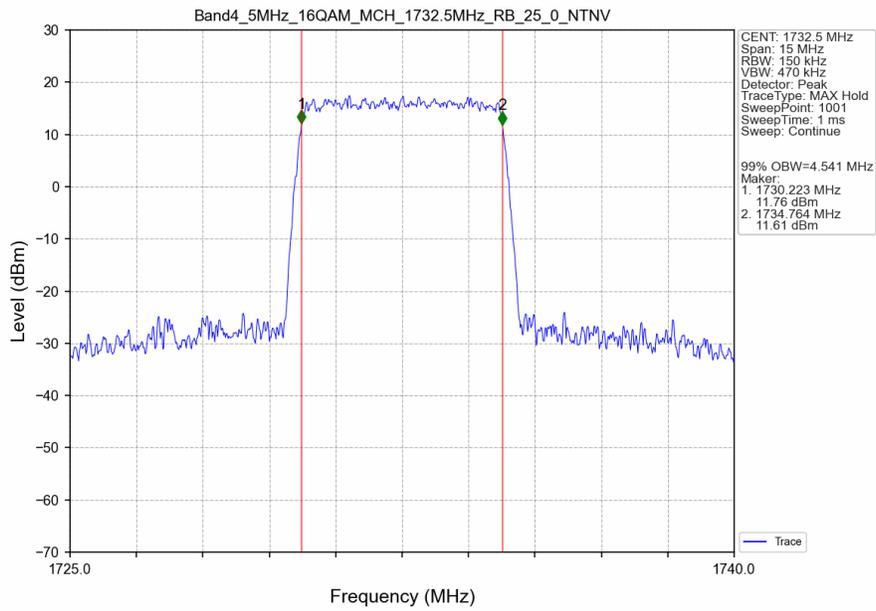
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



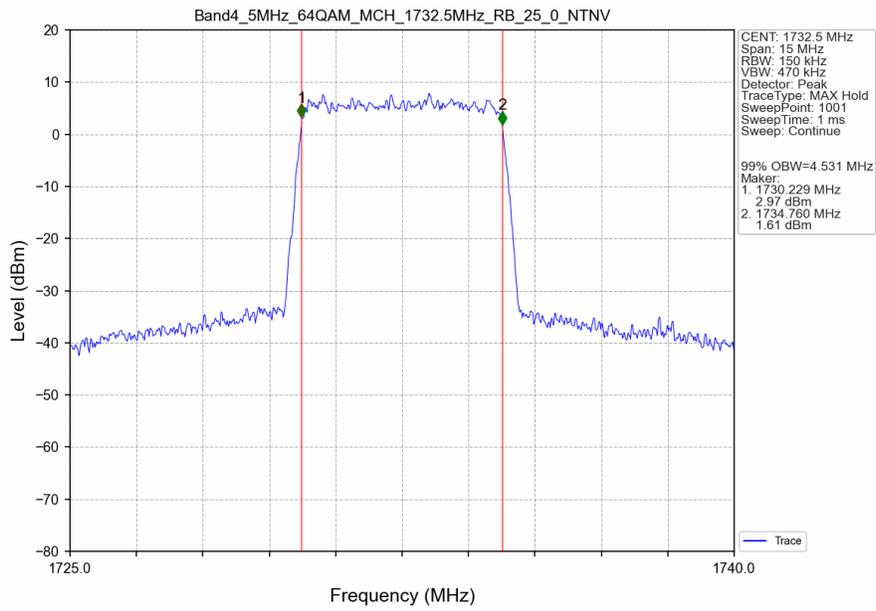
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



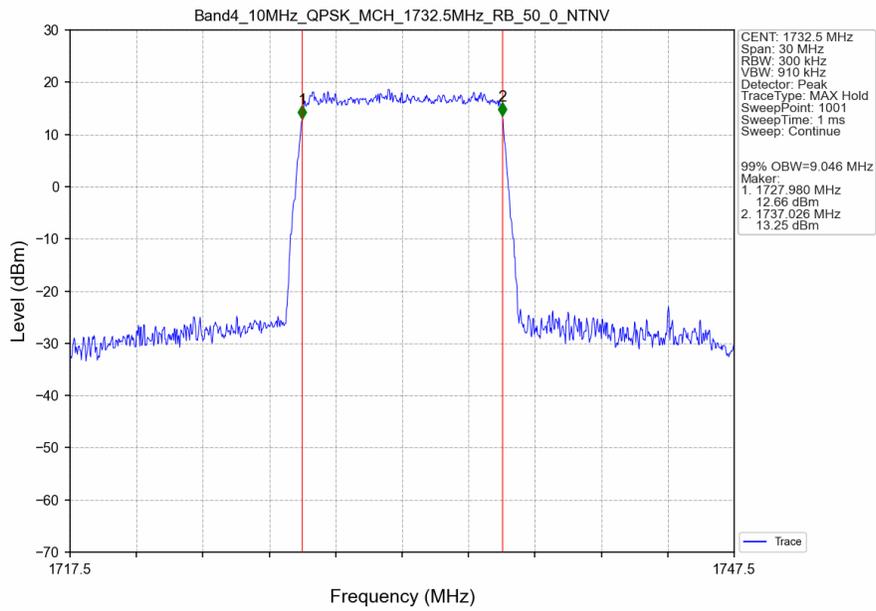
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



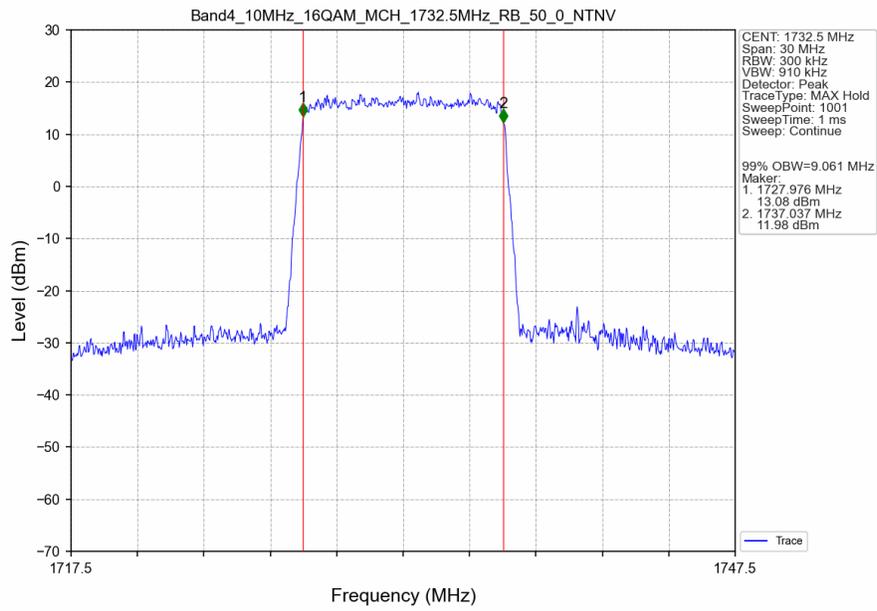
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV



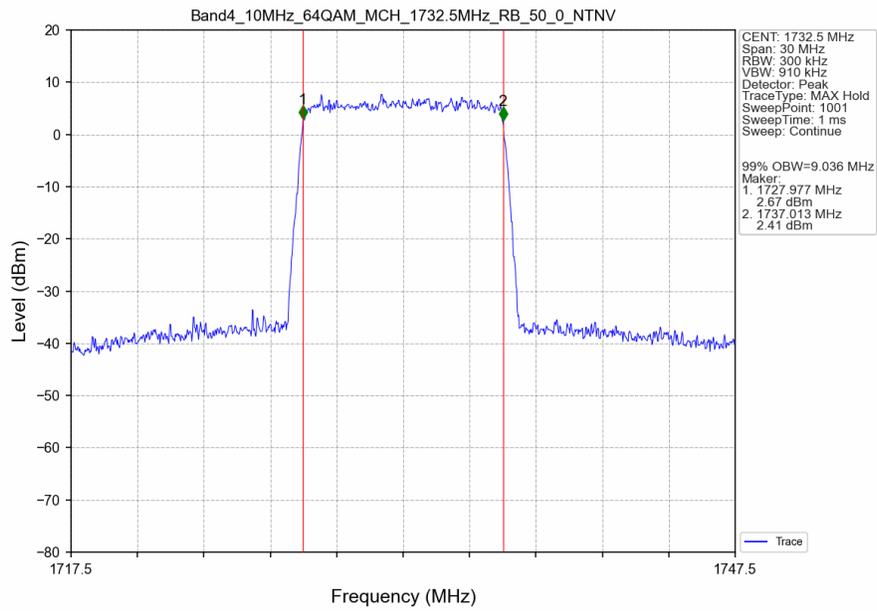
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



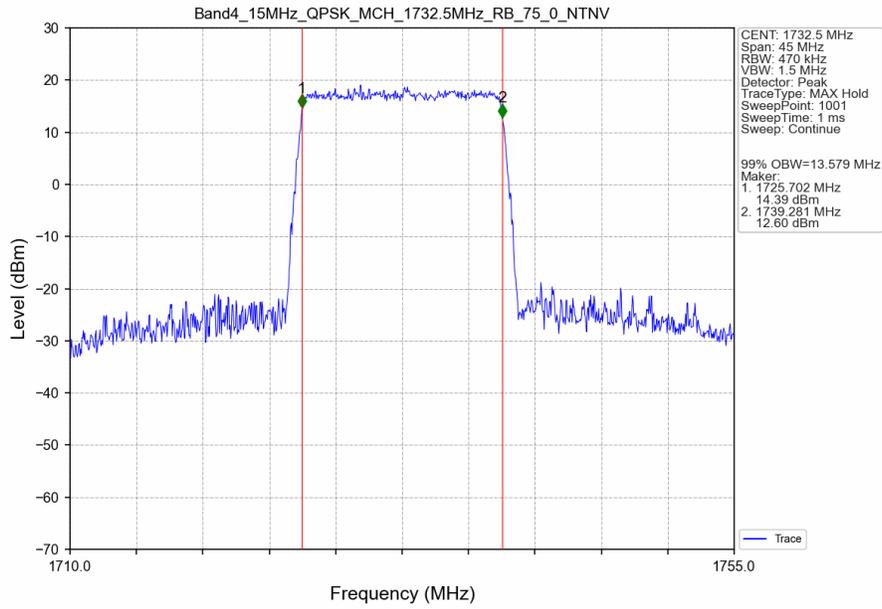
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



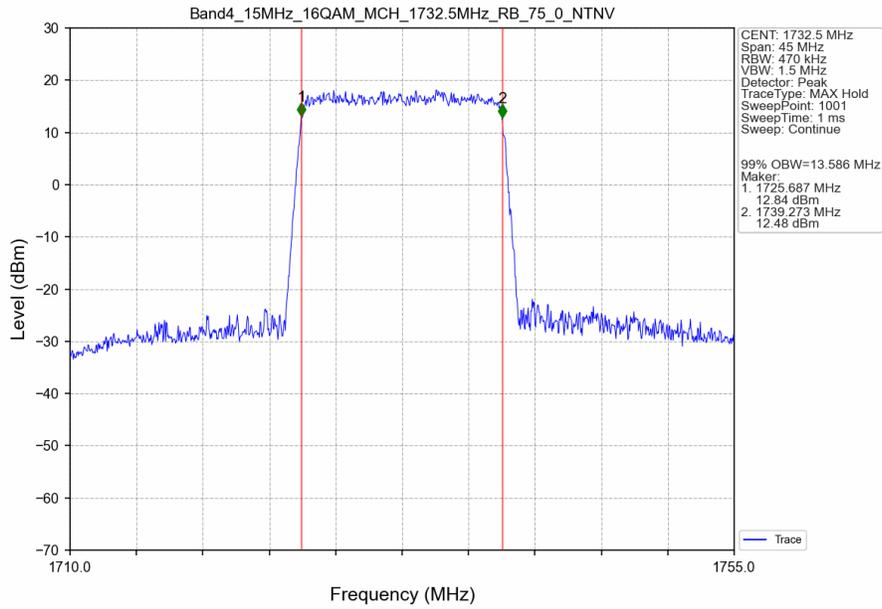
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



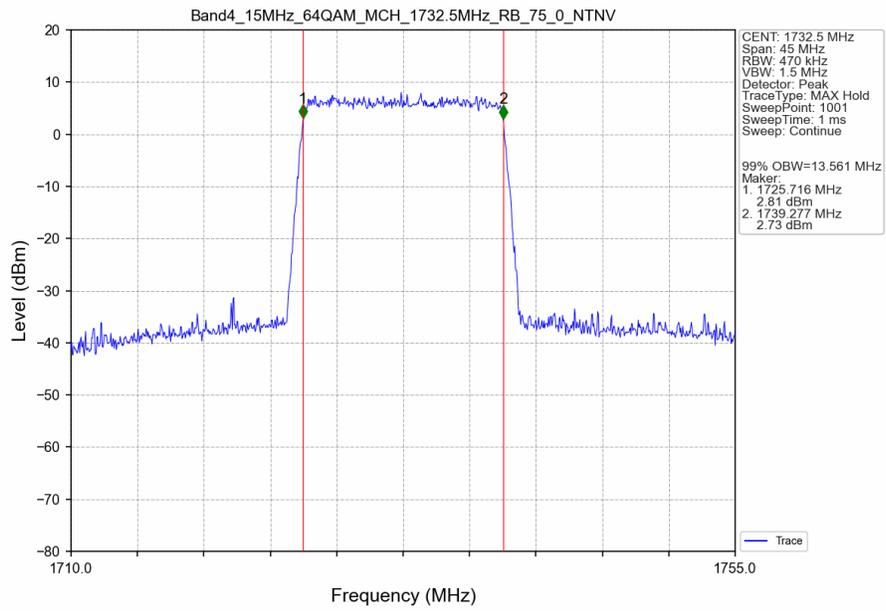
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



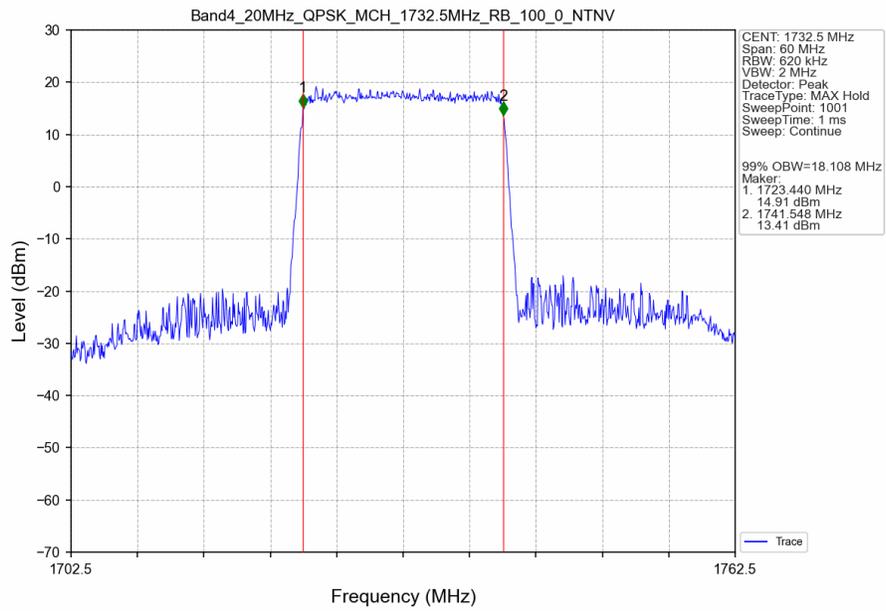
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



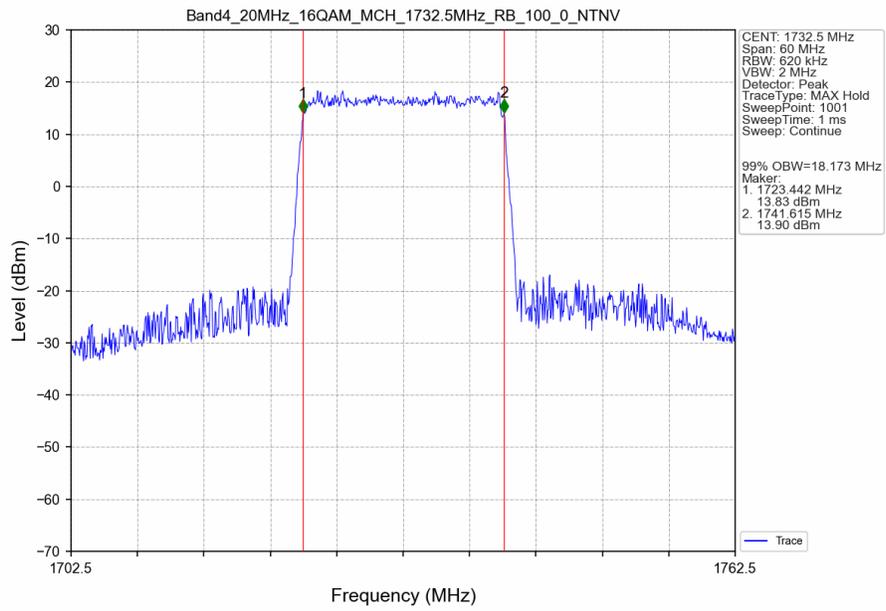
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV



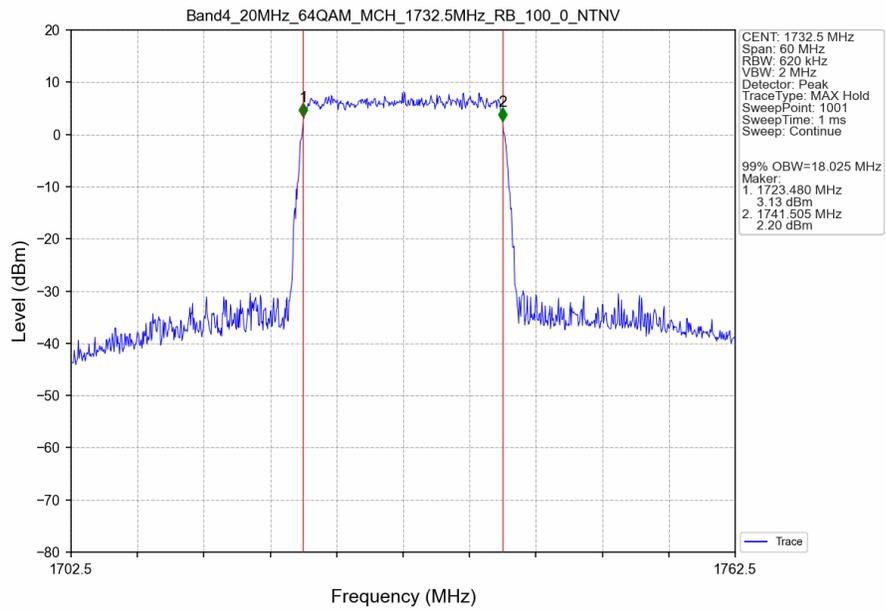
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



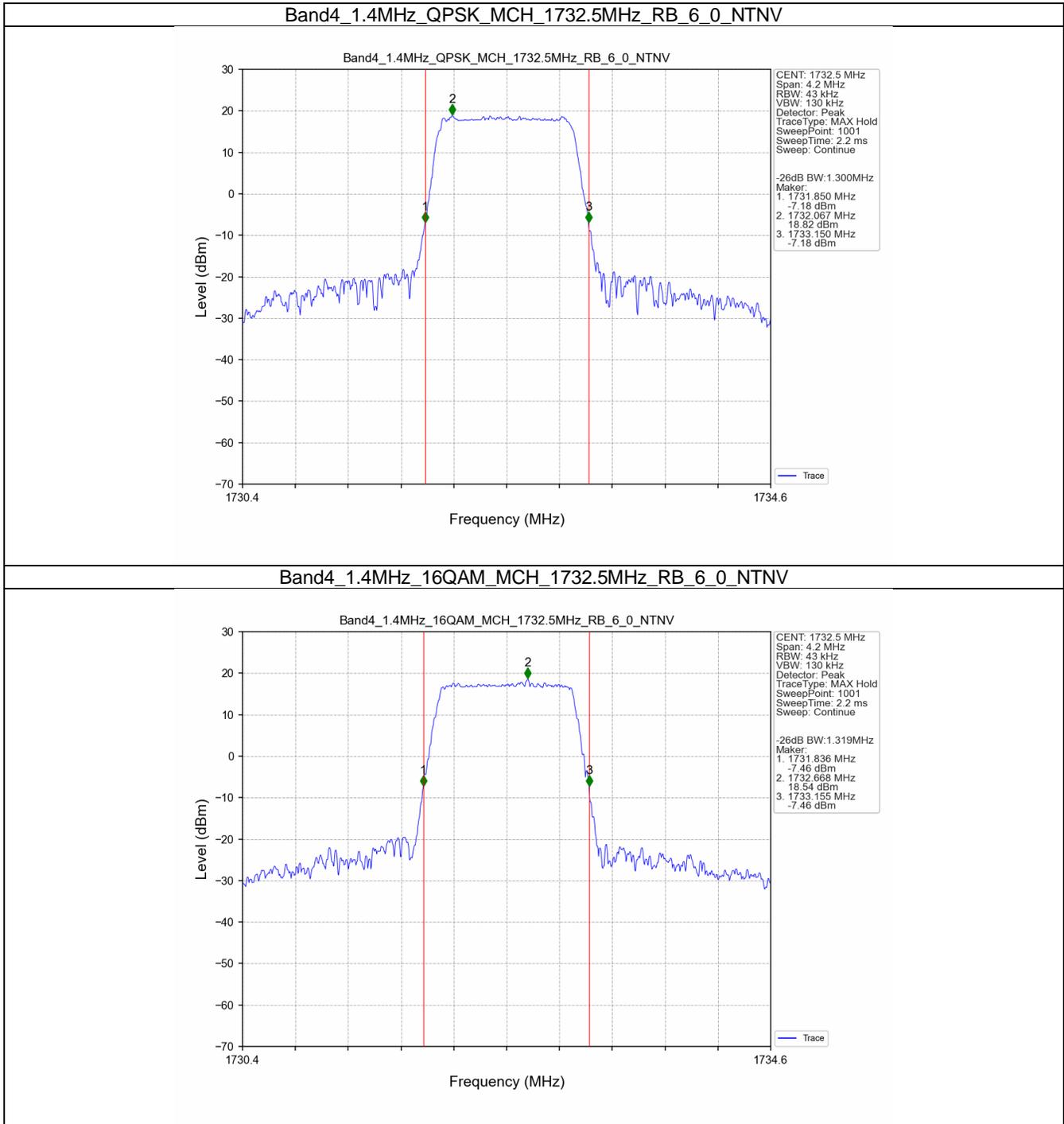
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



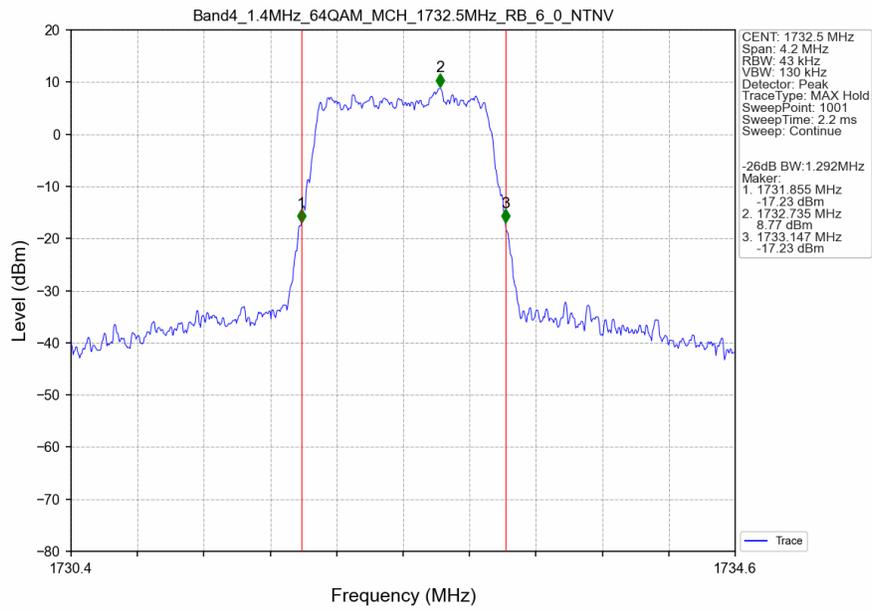
Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



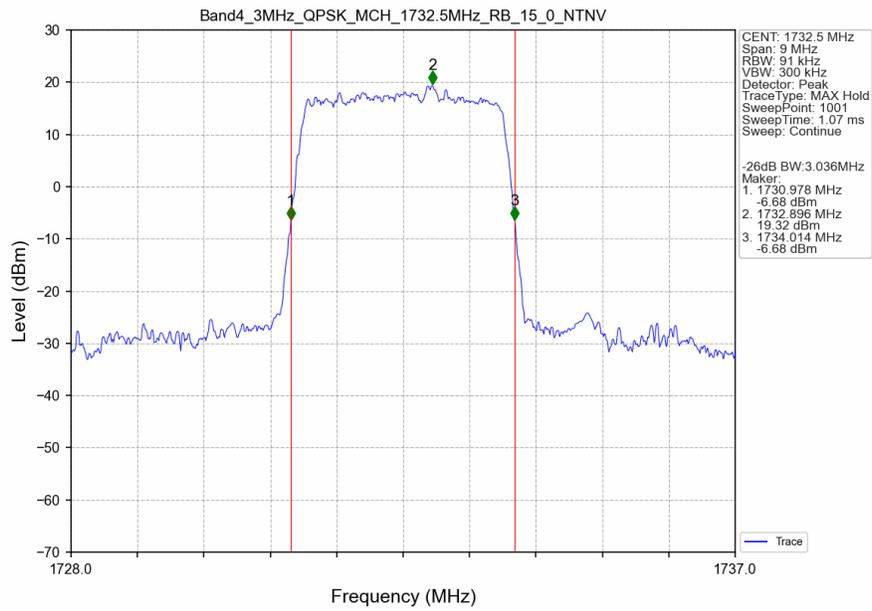
3.2.2 Band4_XDB



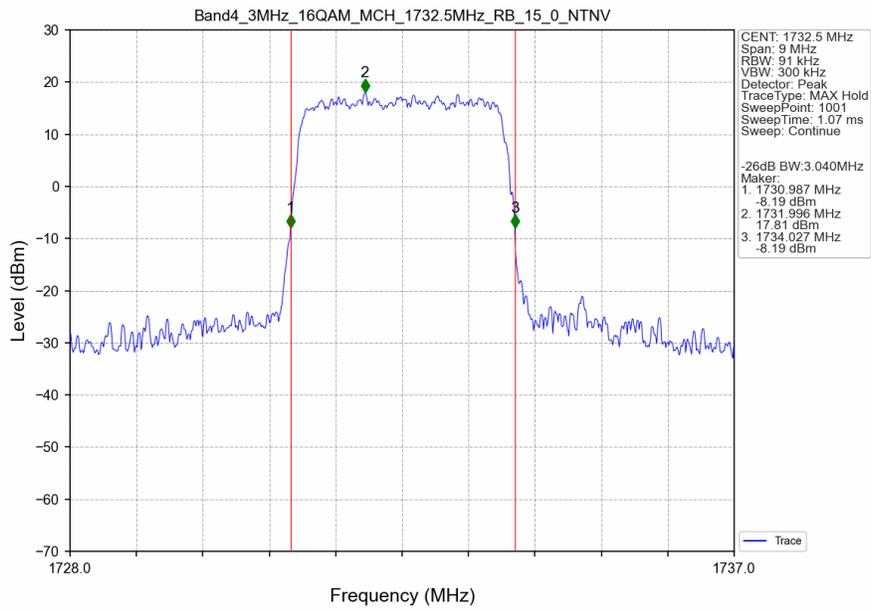
Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_6_0_NTNV



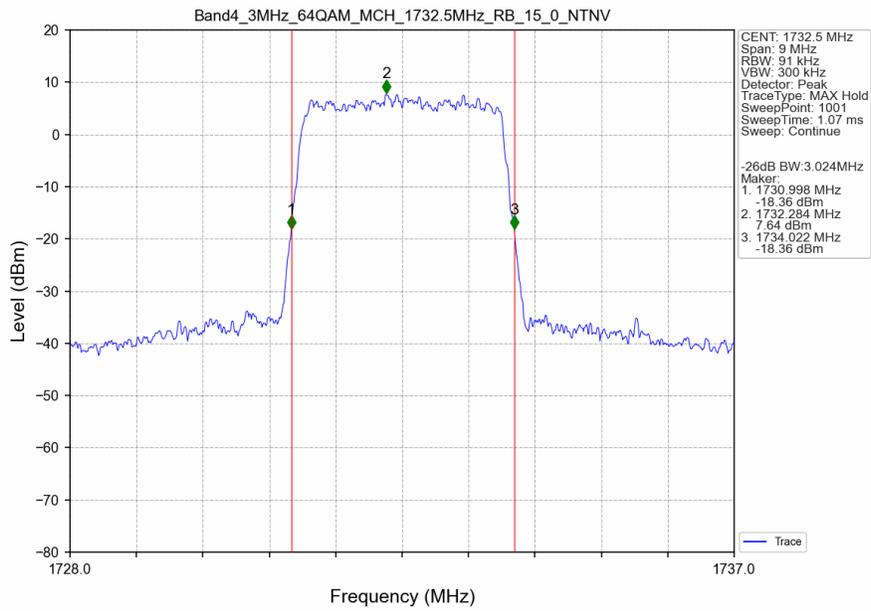
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



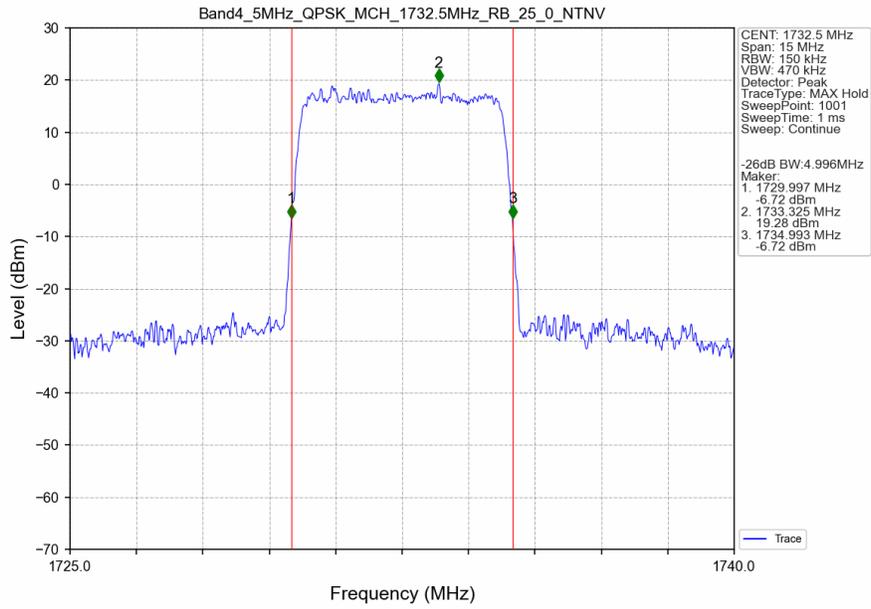
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



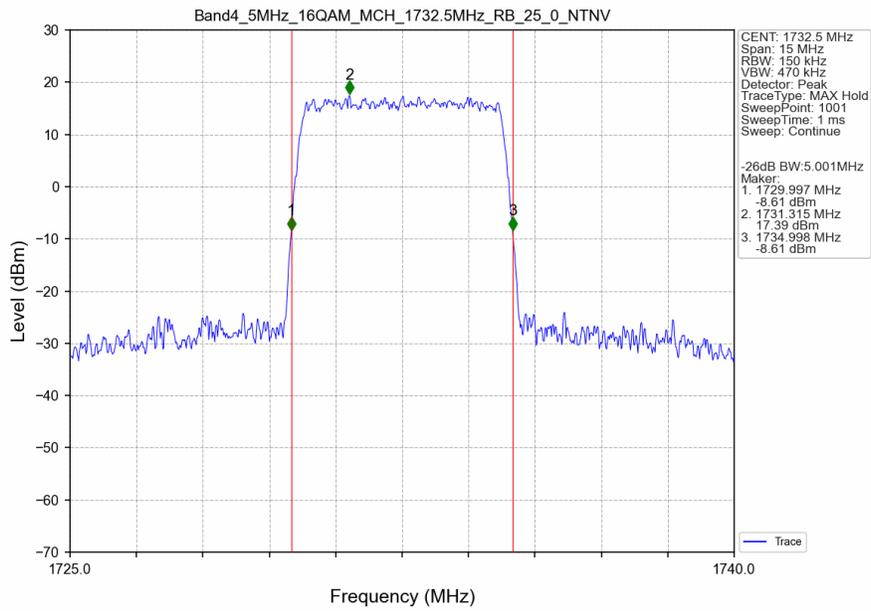
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



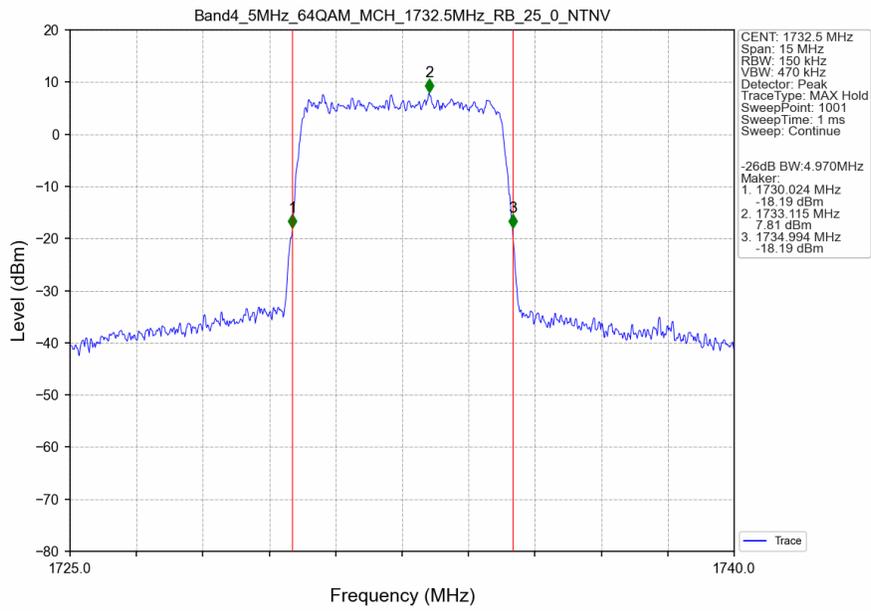
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



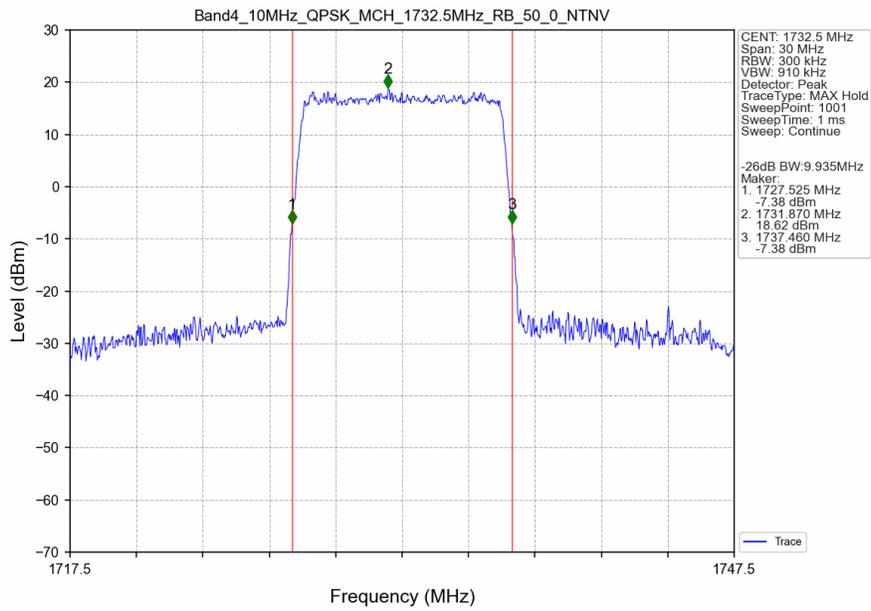
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



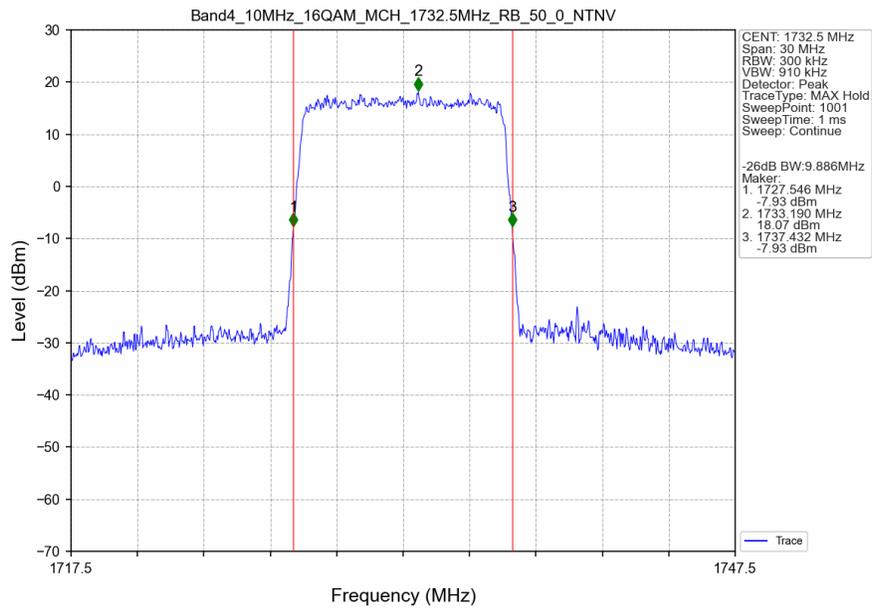
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV



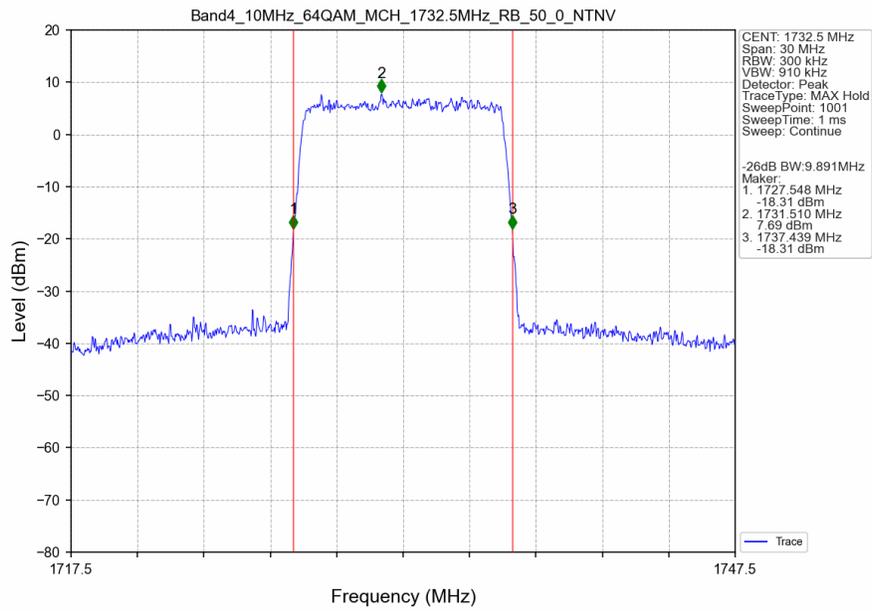
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



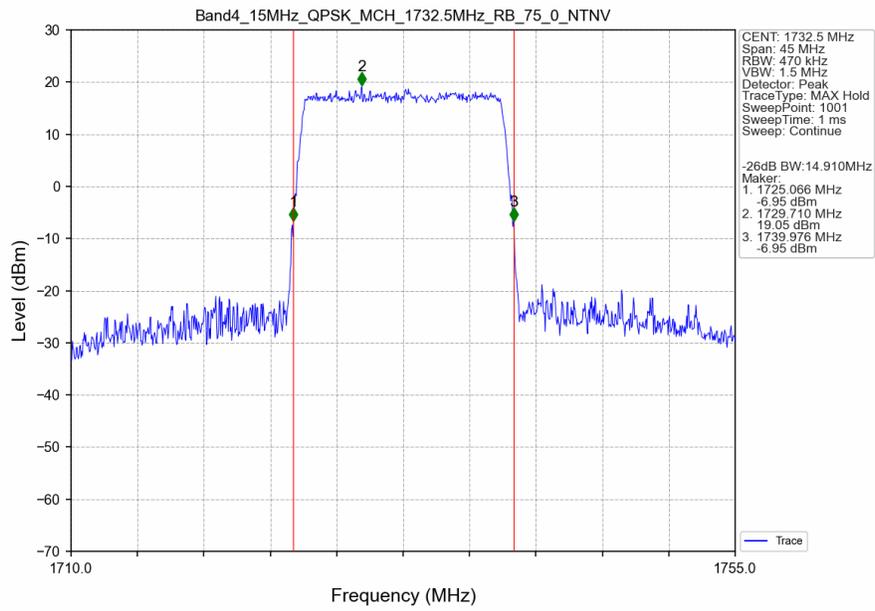
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



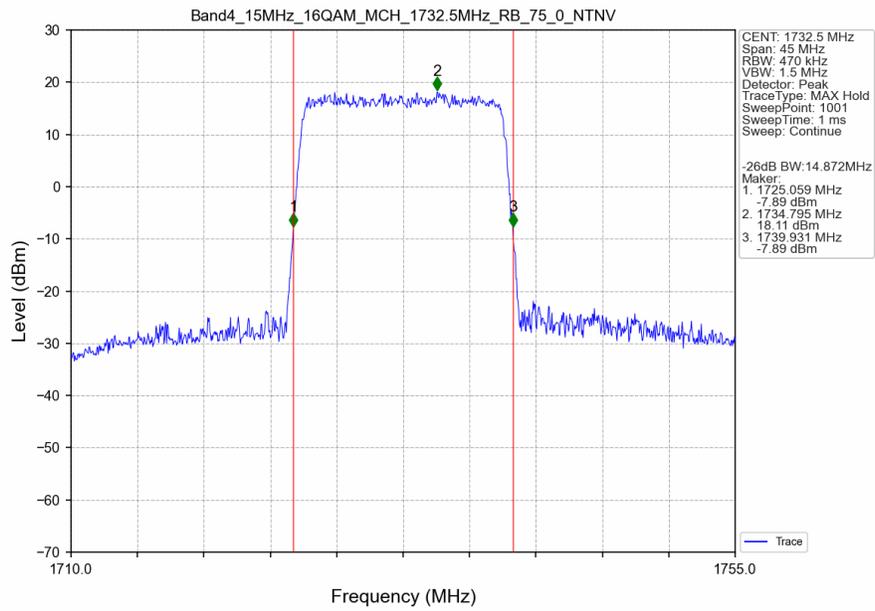
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



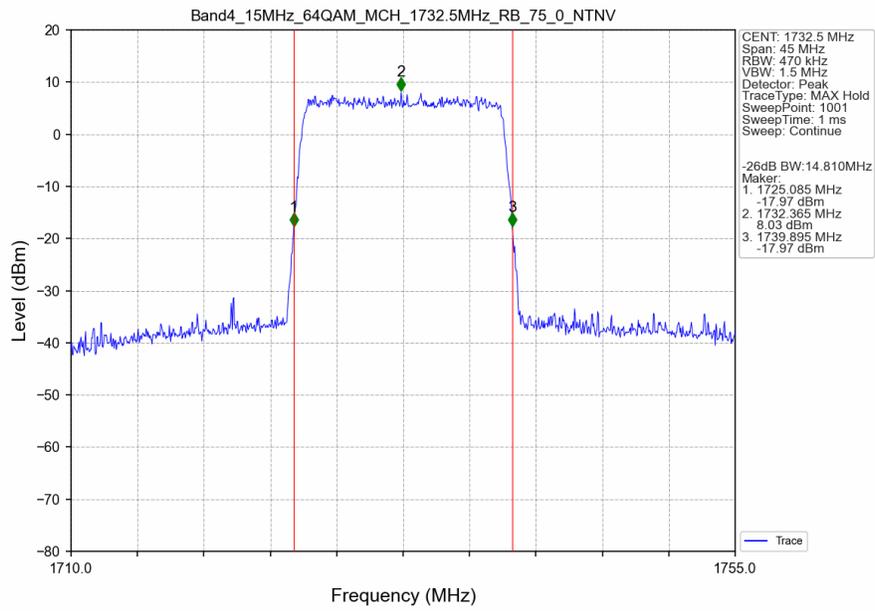
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



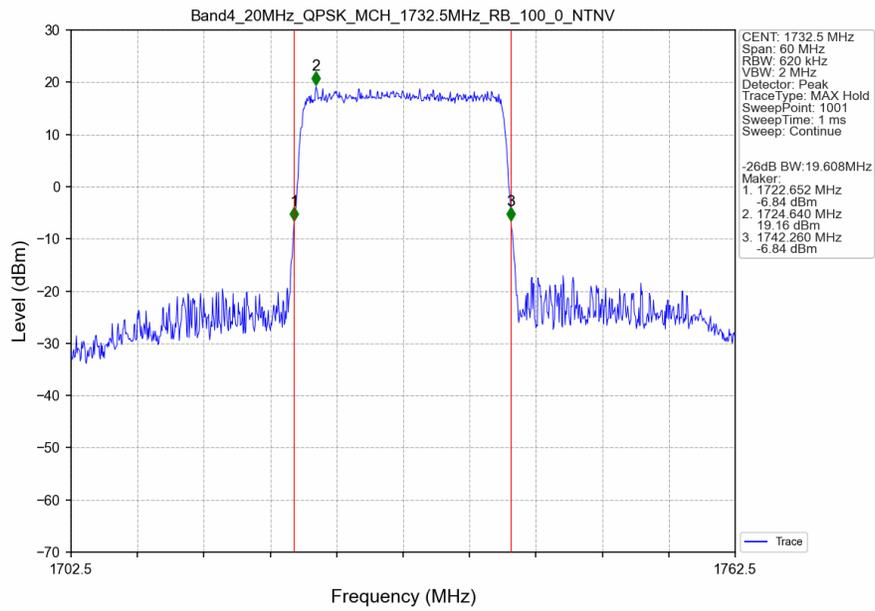
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



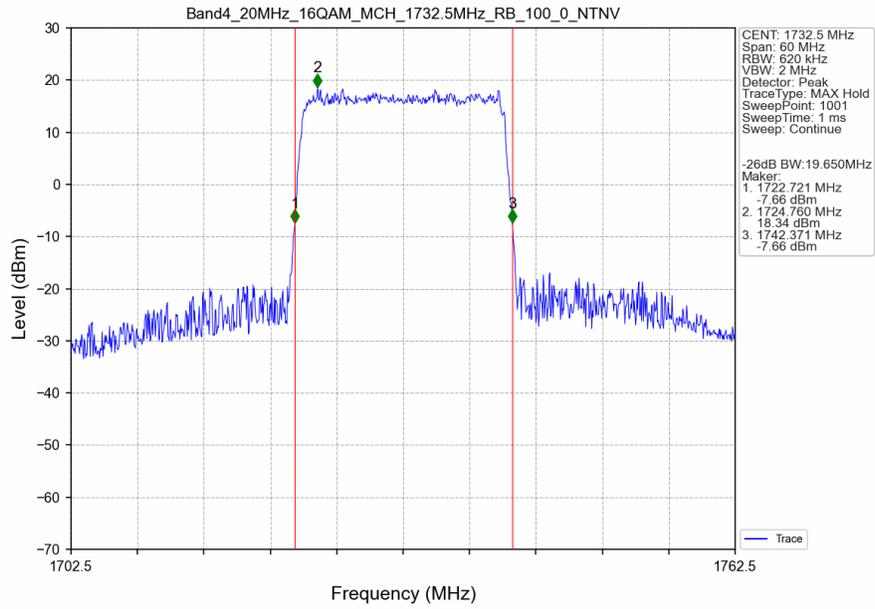
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV



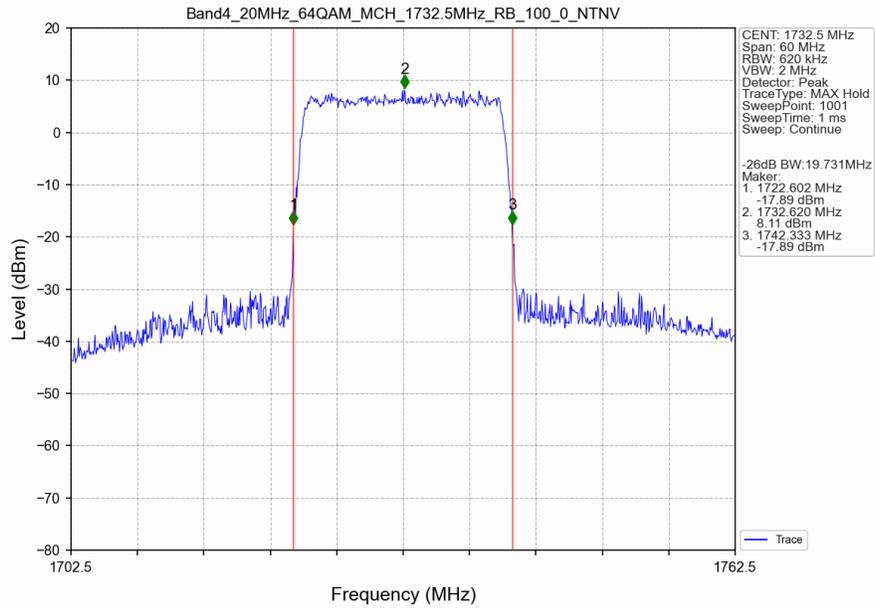
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



4. Peak-Average Ratio

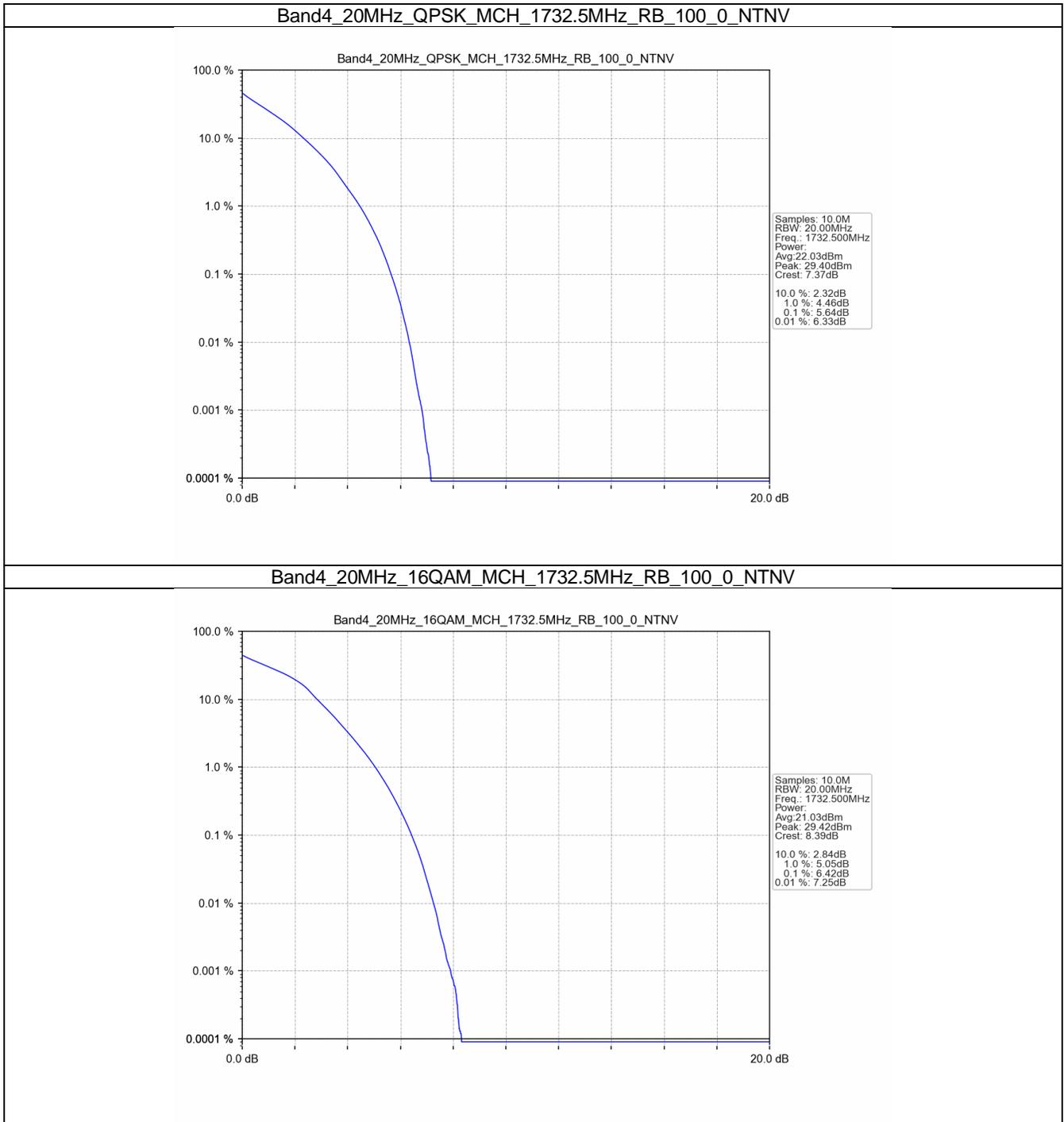
4.1 Test Result

4.1.1 B4_20MHz

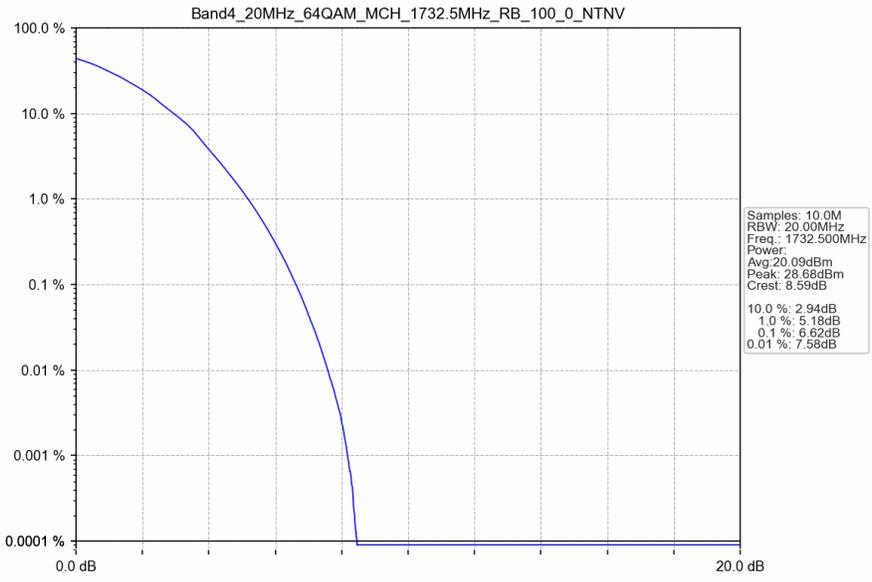
Band: 4 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	5.64	<=13	Pass
16QAM	1732.5	100	0	6.42	<=13	Pass
64QAM	1732.5	100	0	6.62	<=13	Pass

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 / 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		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTV						
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 / NTV						
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 / NTV						
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

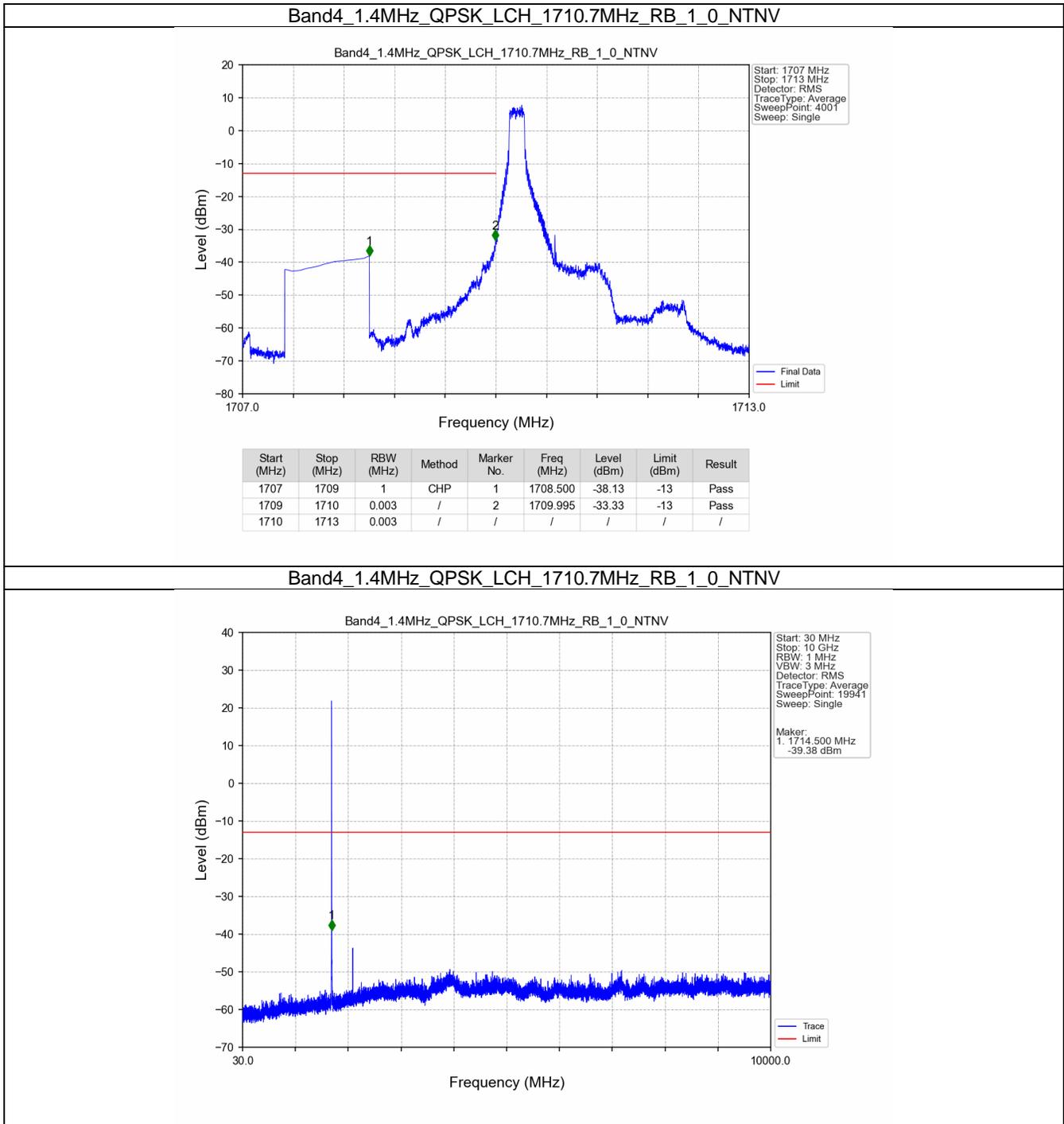
Band: 4 / Bandwidth: 15MHz / NTV							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	1717.5	1	0	Refer To Test Graph		Pass	
		75	0	Refer To Test Graph		Pass	
	1732.5	1	0	Refer To Test Graph		Pass	
	1747.5	1		0	Refer To Test Graph		Pass
				74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

5.1.6 B4_20MHz

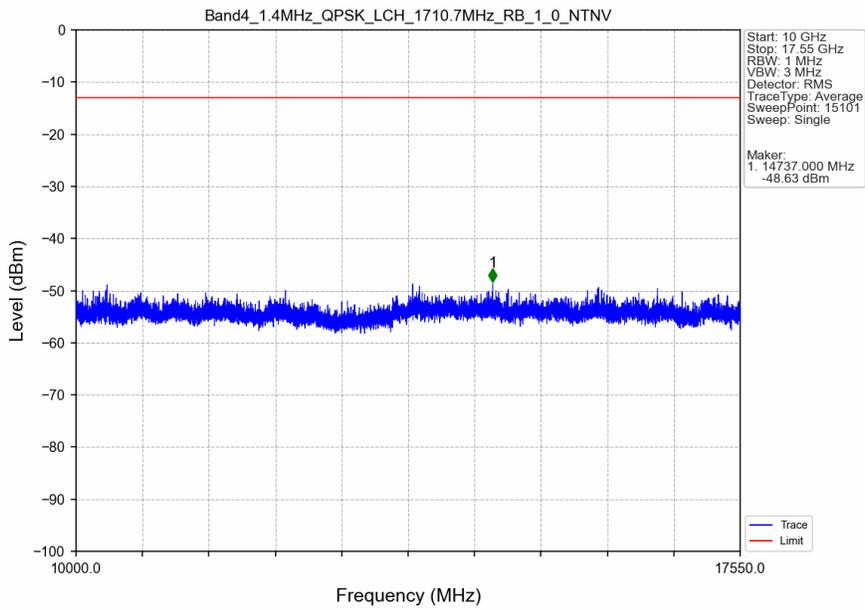
Band: 4 / Bandwidth: 20MHz / NTV							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	1720	1	0	Refer To Test Graph		Pass	
		100	0	Refer To Test Graph		Pass	
	1732.5	1	0	Refer To Test Graph		Pass	
	1745	1		0	Refer To Test Graph		Pass
				99	Refer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

5.2 Test Graph

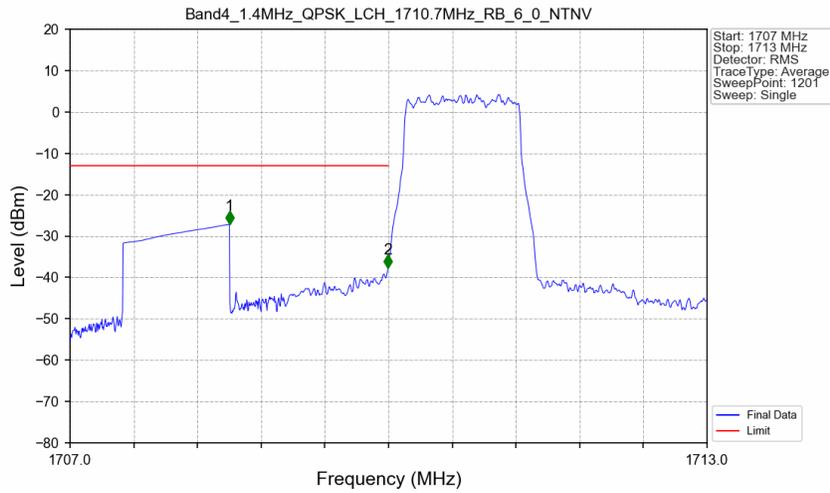
5.2.1 B4_1.4MHz



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

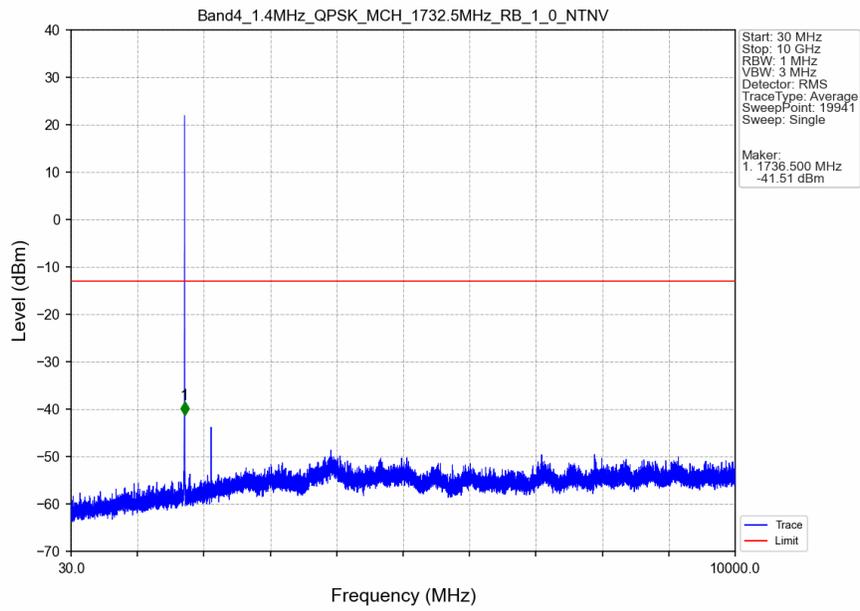


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

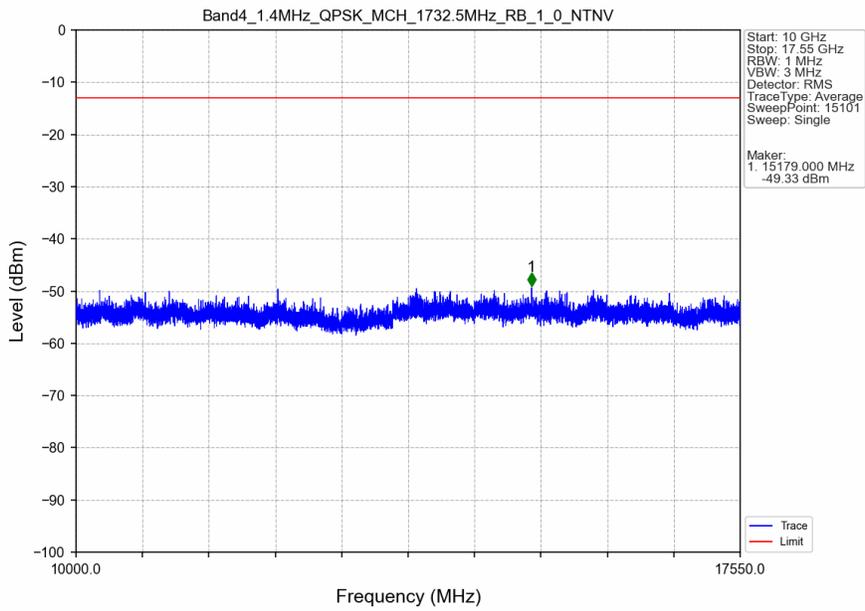


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-27.18	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-37.63	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

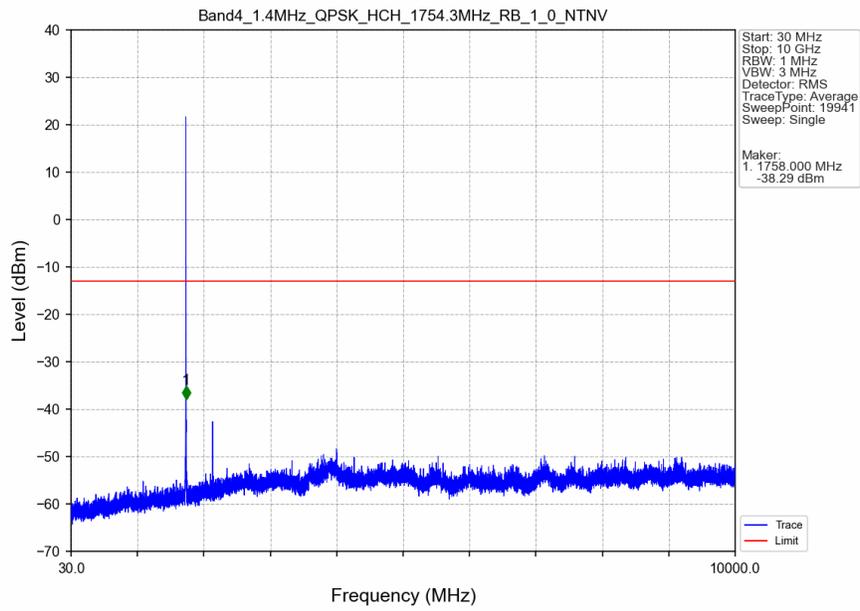
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



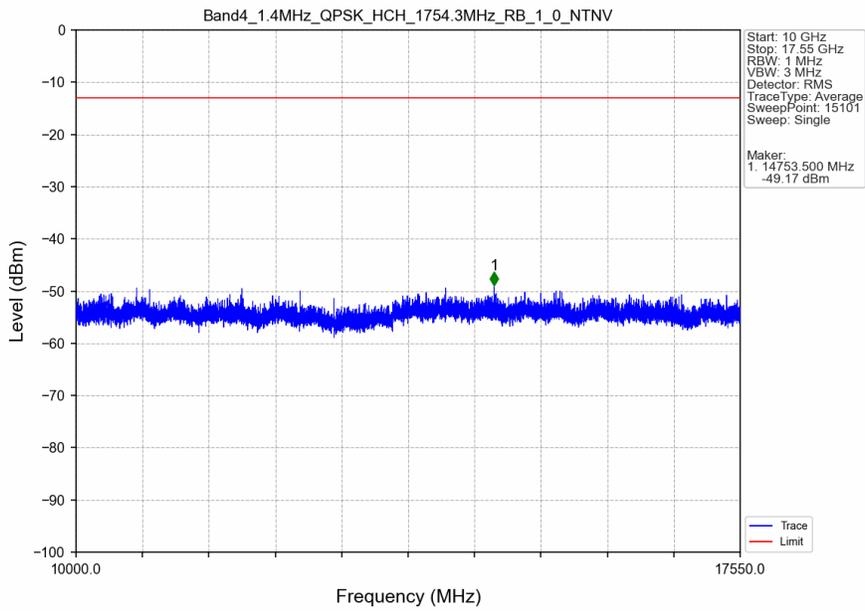
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



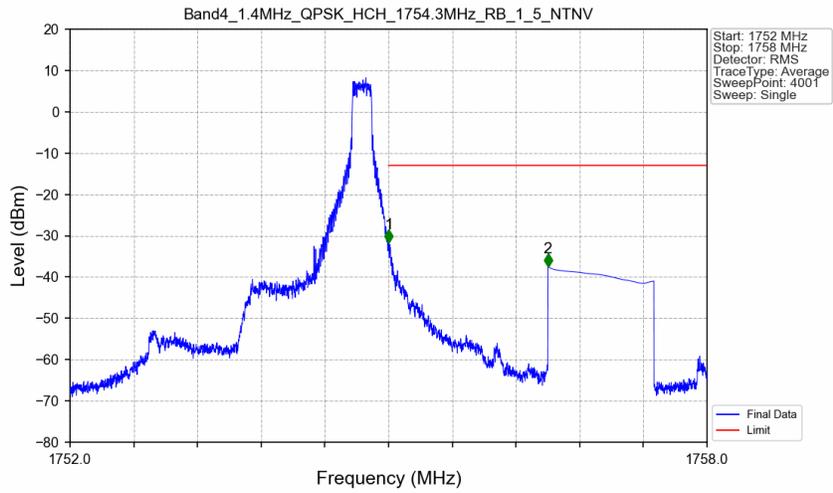
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

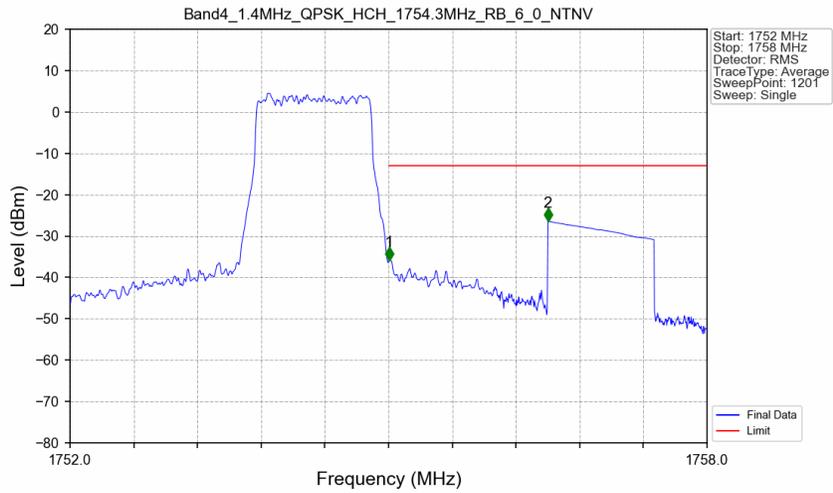


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTV



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	-31.68	-13	Pass
1756	1758	1	CHP	2	1756.500	-37.56	-13	Pass

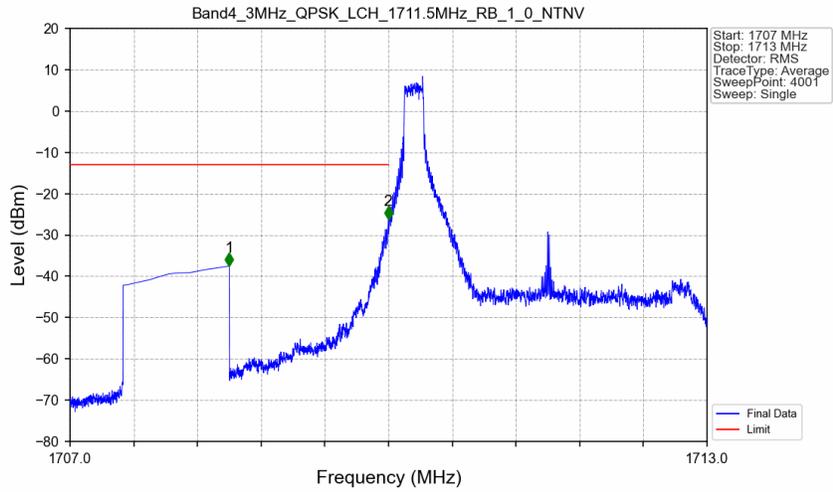
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTV



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	1755.005	-35.85	-13	Pass
1756	1758	1	CHP	2	1756.500	-26.34	-13	Pass

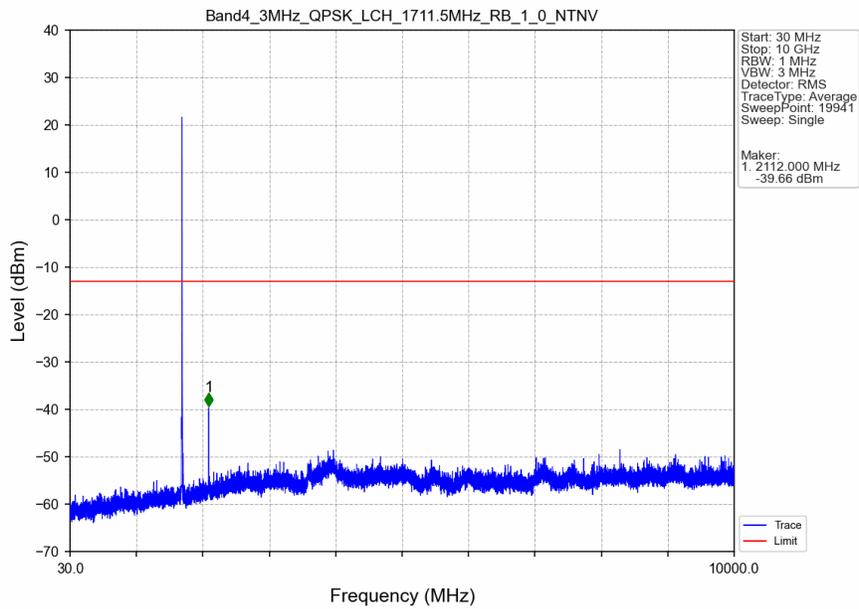
5.2.2 B4_3MHz

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

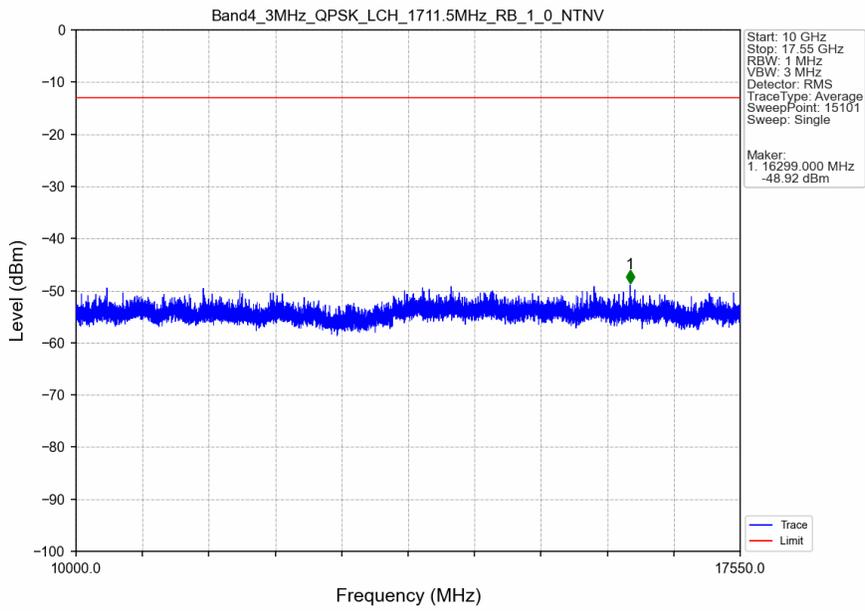


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-37.49	-13	Pass
1709	1710	0.003	/	2	1709.997	-26.16	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

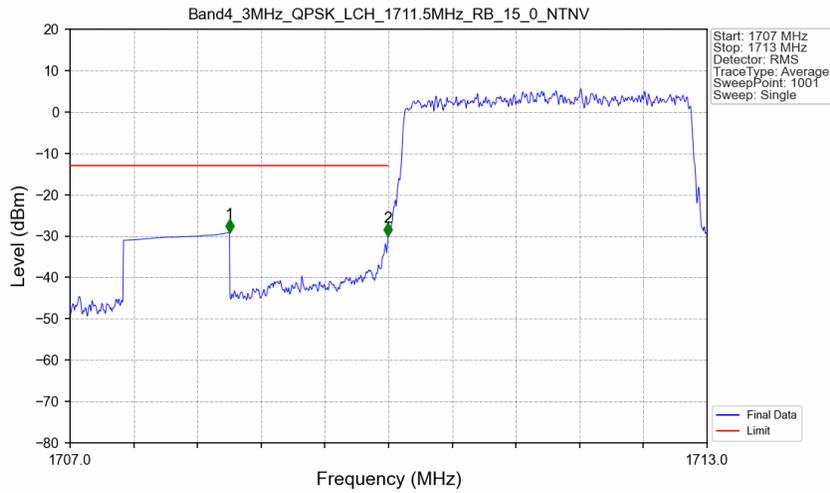
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

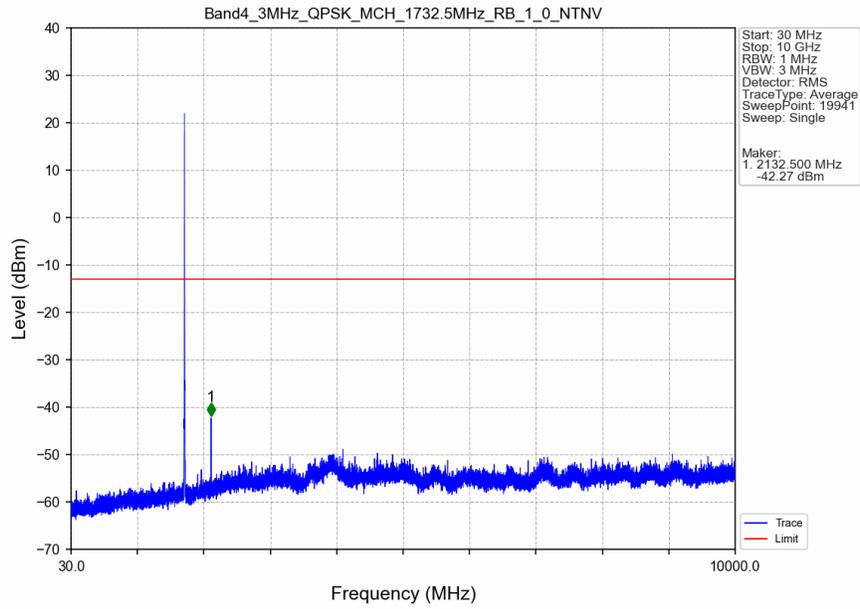


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

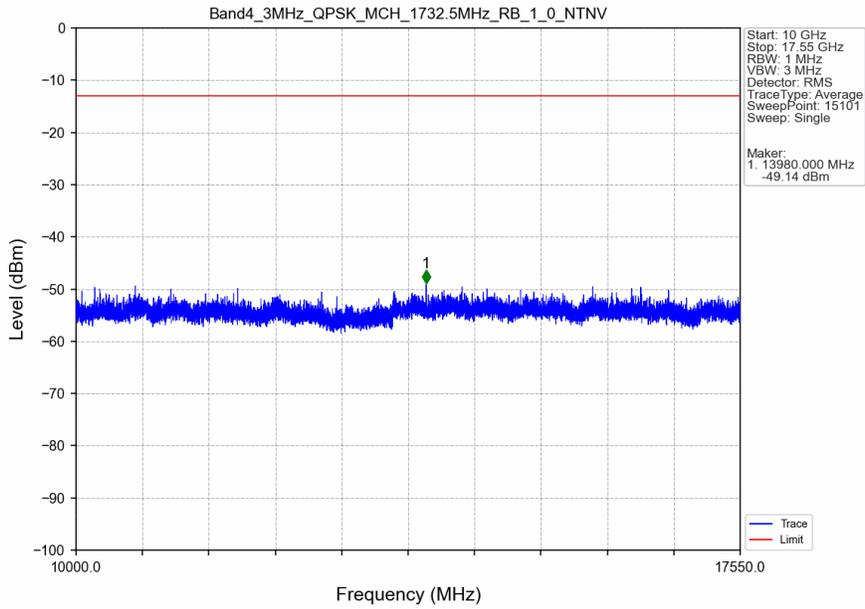


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-29.18	-13	Pass
1709	1710	0.03	/	2	1709.994	-30.02	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

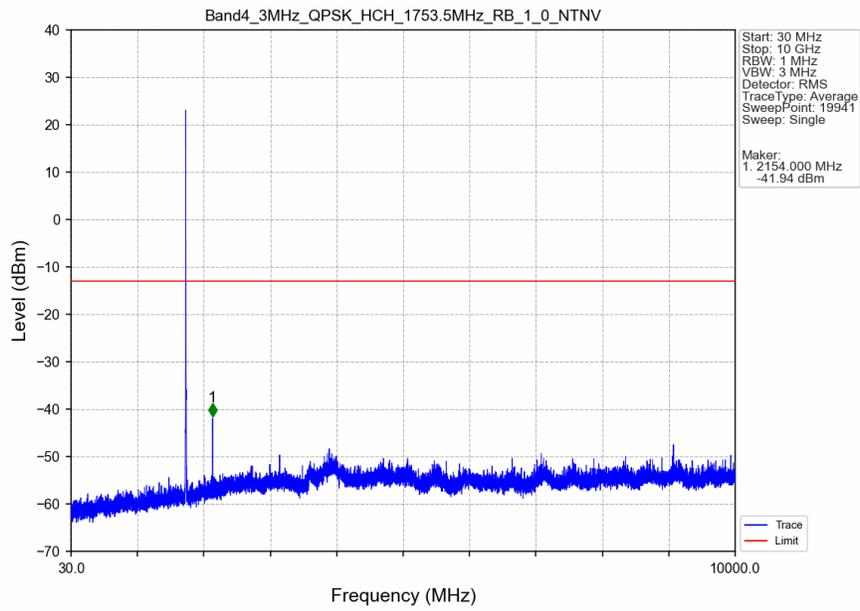
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



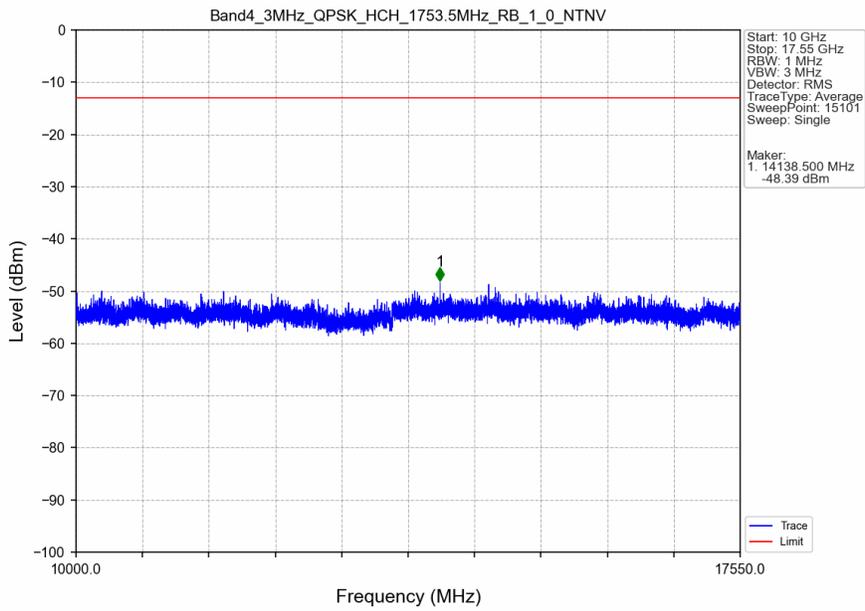
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



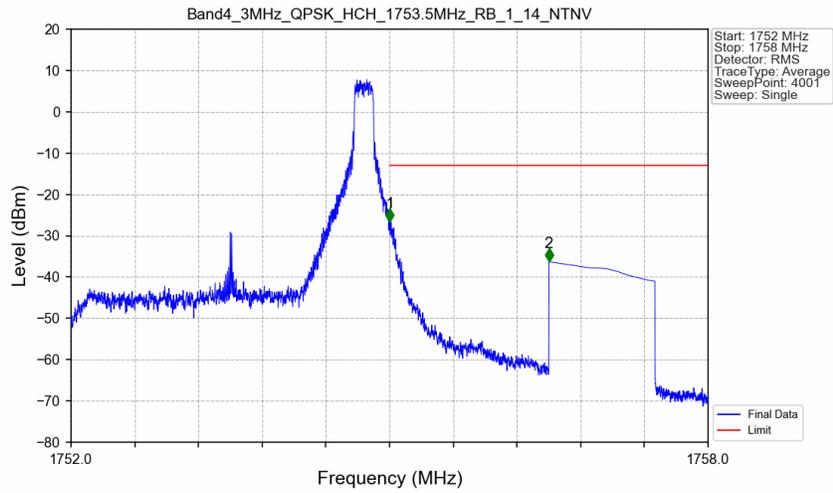
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

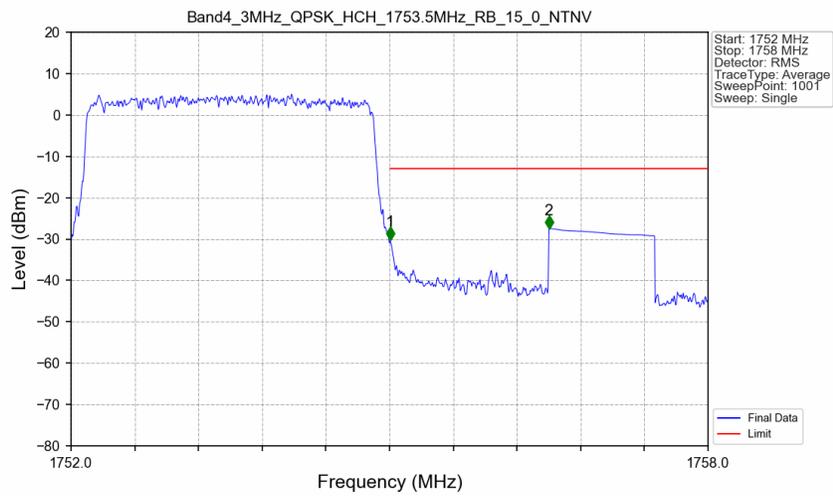


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



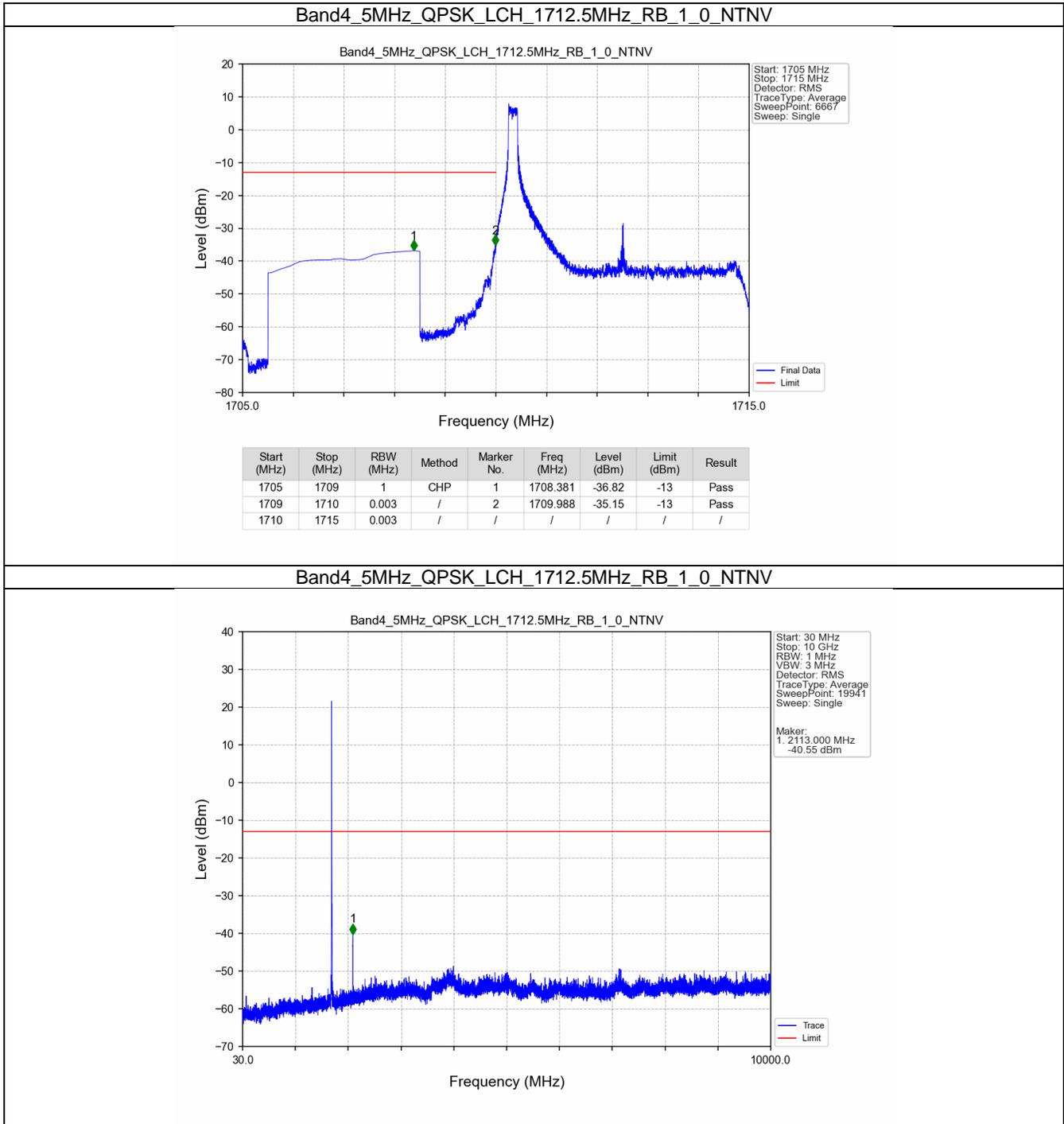
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-26.52	-13	Pass
1756	1758	1	CHP	2	1756.500	-36.30	-13	Pass

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

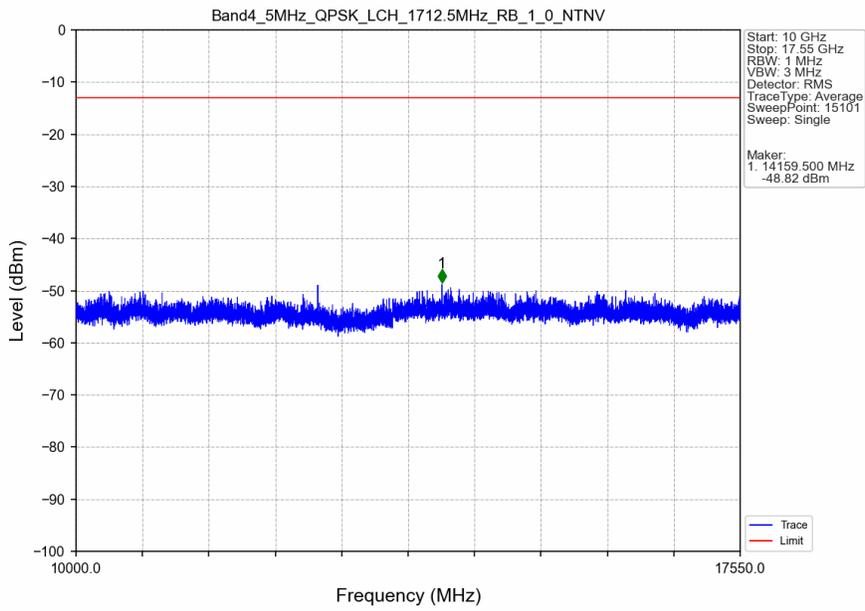


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.03	/	/	/	/	/	/
1755	1756	0.03	/	1	1755.006	-30.30	-13	Pass
1756	1758	1	CHP	2	1756.500	-27.41	-13	Pass

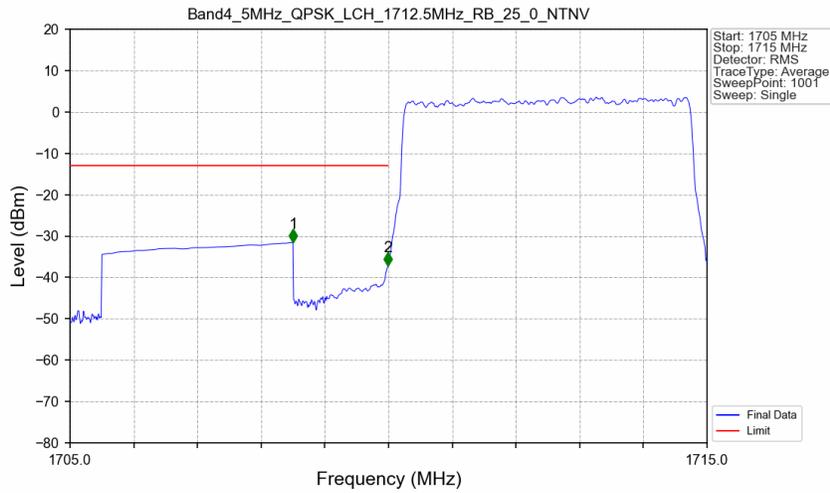
5.2.3 B4_5MHz



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

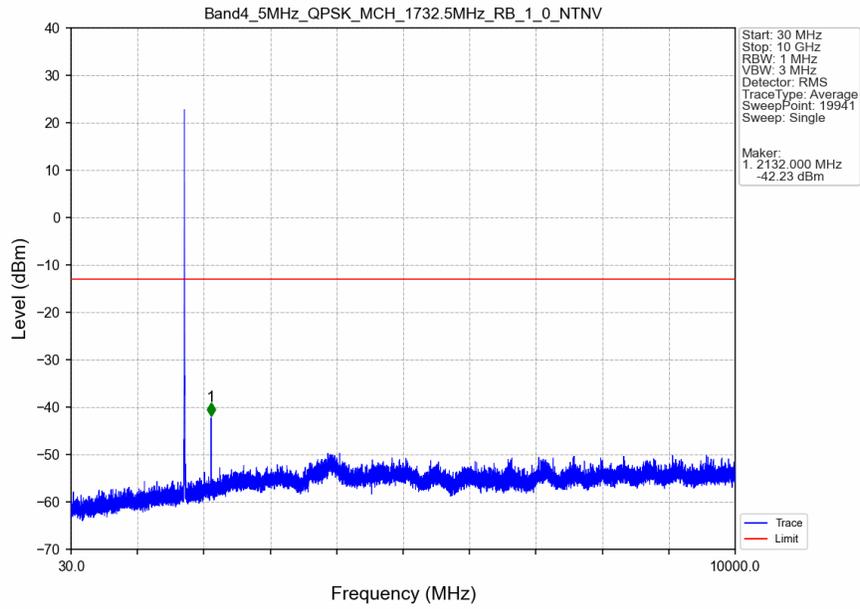


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

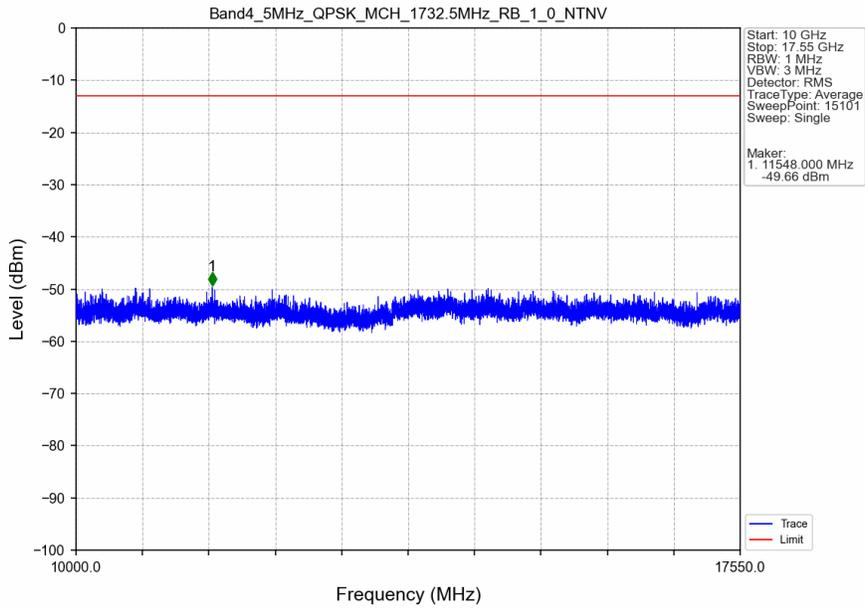


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-31.56	-13	Pass
1709	1710	0.05	CHP	2	1709.990	-37.20	-13	Pass
1710	1715	0.05	CHP	/	/	/	/	/

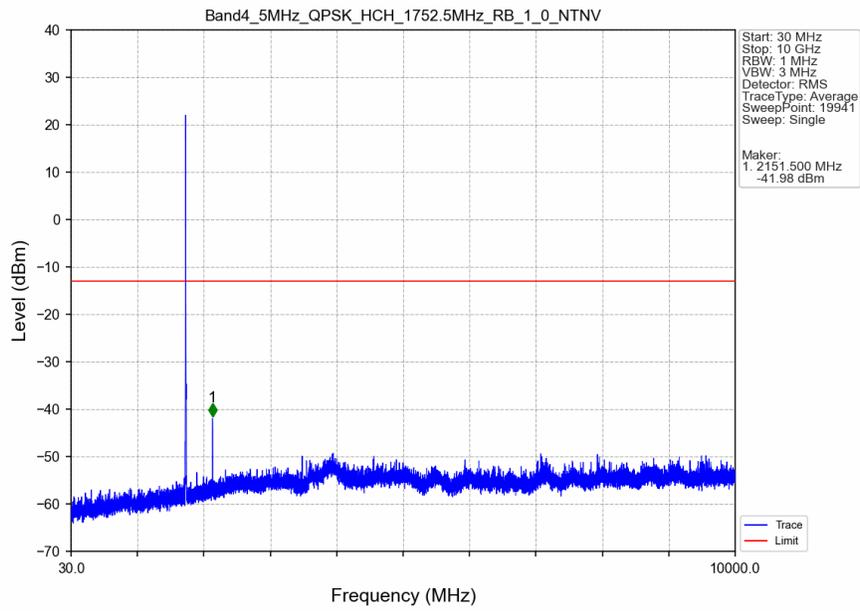
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



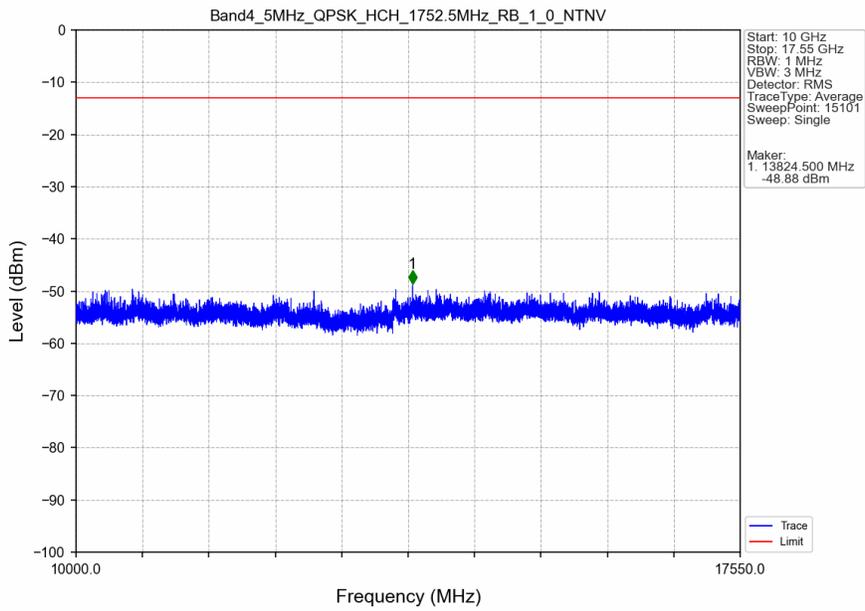
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



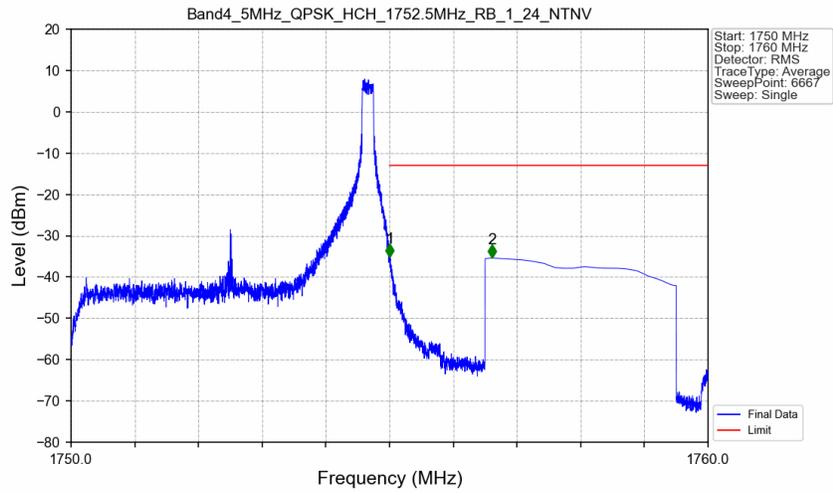
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

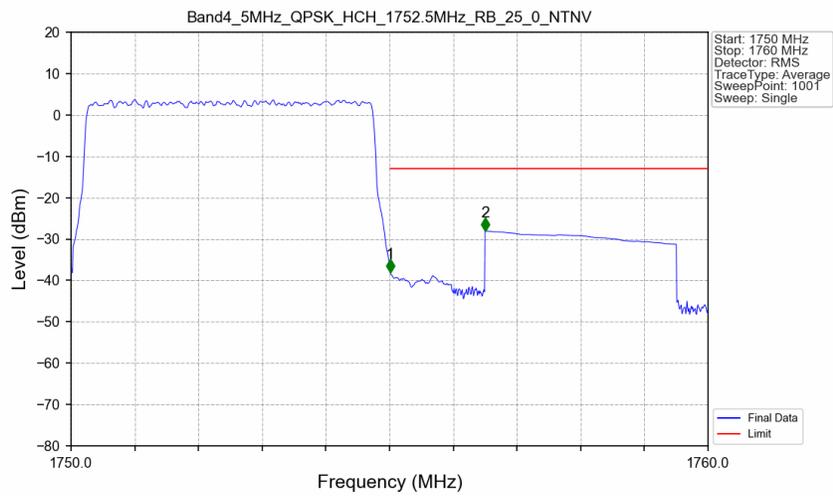


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



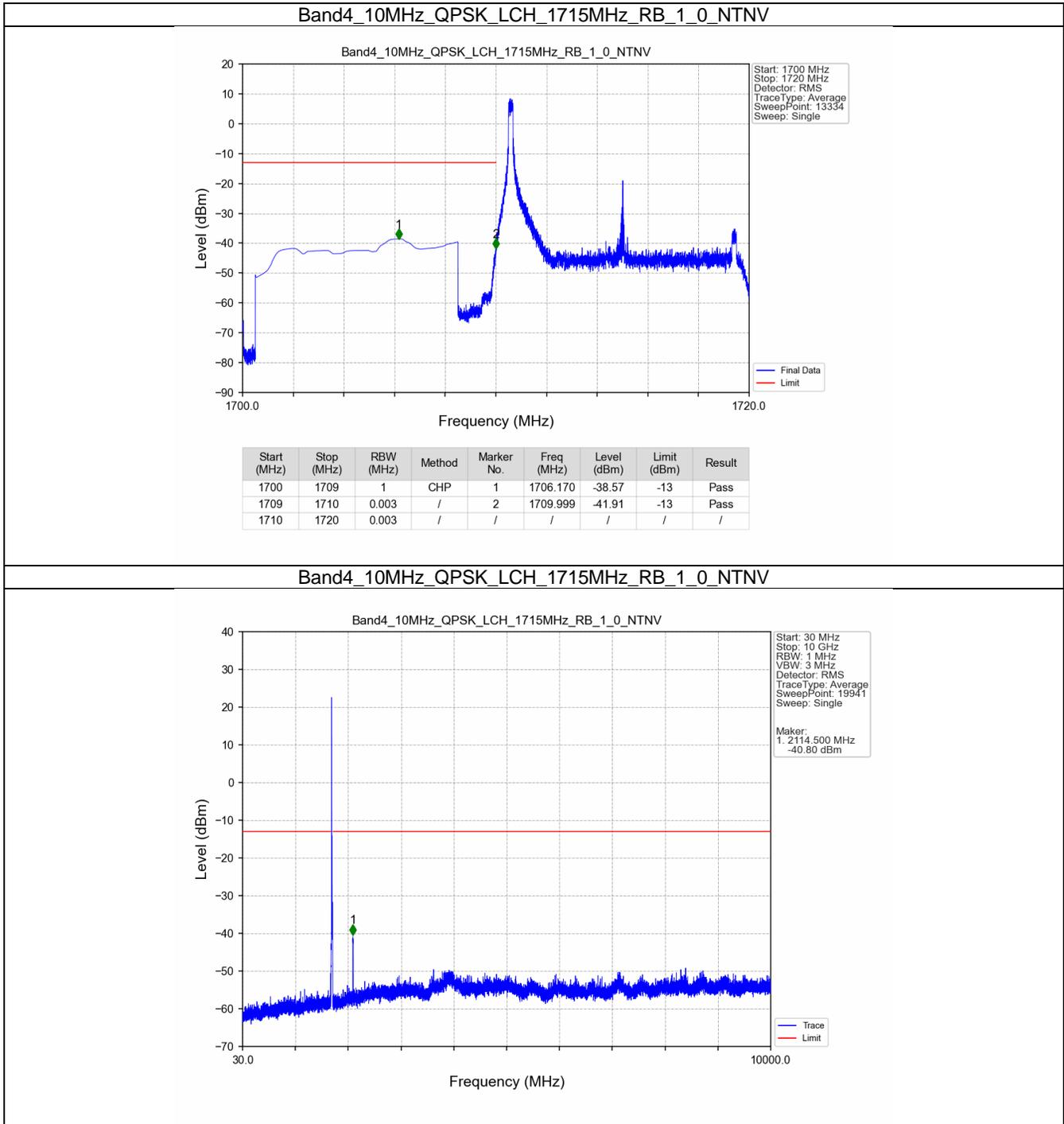
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-35.13	-13	Pass
1756	1760	1	CHP	2	1756.605	-35.39	-13	Pass

Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

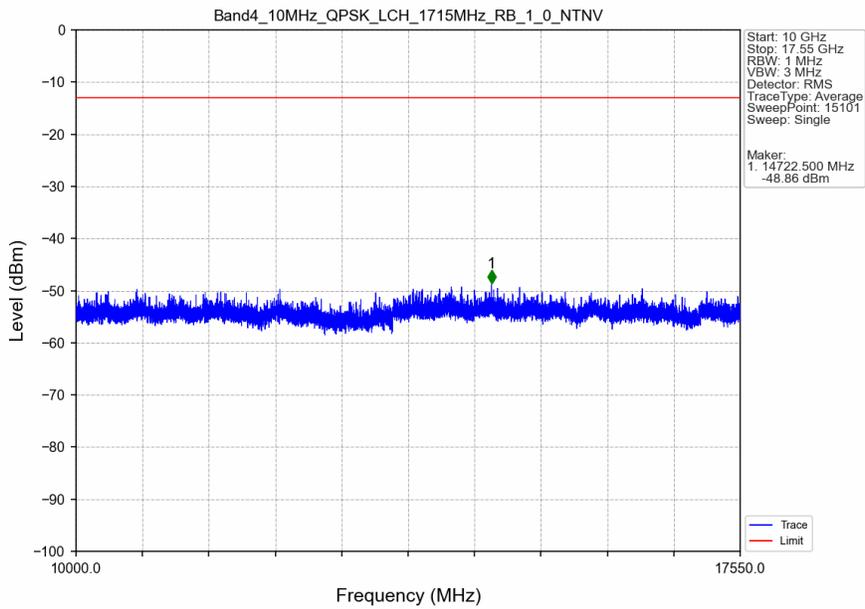


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.05	CHP	/	/	/	/	/
1755	1756	0.05	CHP	1	1755.010	-38.13	-13	Pass
1756	1760	1	CHP	2	1756.500	-28.05	-13	Pass

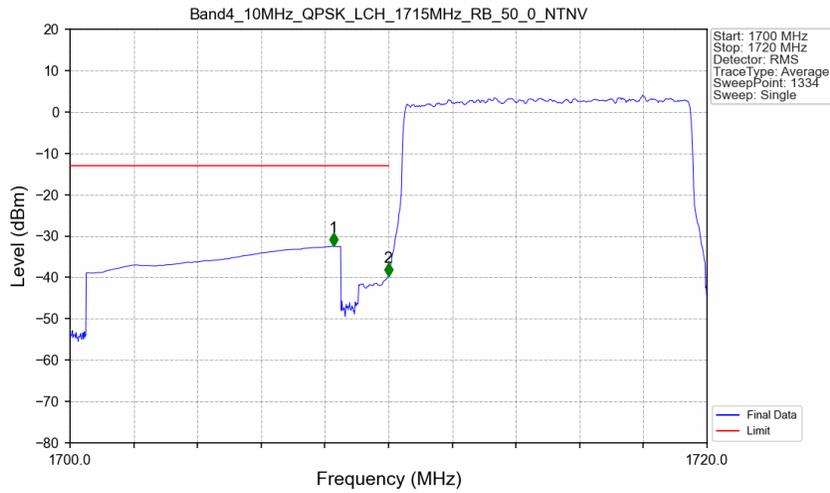
5.2.4 B4_10MHz



Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

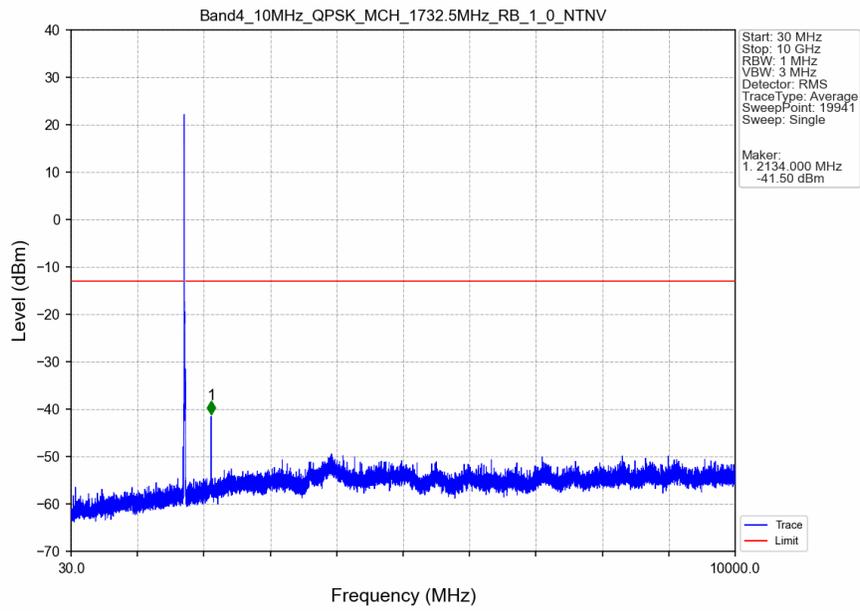


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.267	-32.47	-13	Pass
1709	1710	0.099	CHP	2	1709.992	-39.75	-13	Pass
1710	1720	0.099	CHP	/	/	/	/	/

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

