

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	22.19	2.72	24.91	<=30	Pass		
			2	22.28	2.72	25.00	<=30	Pass		
			5	22.19	2.72	24.91	<=30	Pass		
		3	0	22.22	2.72	24.94	<=30	Pass		
			2	22.26	2.72	24.98	<=30	Pass		
			3	22.22	2.72	24.94	<=30	Pass		
		6	0	21.22	2.72	23.94	<=30	Pass		
		1732.5	1	0	22.30	2.72	25.02	<=30	Pass	
				2	22.43	2.72	25.15	<=30	Pass	
	5			22.29	2.72	25.01	<=30	Pass		
	3		0	22.43	2.72	25.15	<=30	Pass		
			2	22.43	2.72	25.15	<=30	Pass		
			3	22.45	2.72	25.17	<=30	Pass		
	6	0	21.38	2.72	24.10	<=30	Pass			
	1754.3	1	0	22.20	2.72	24.92	<=30	Pass		
			2	22.27	2.72	24.99	<=30	Pass		
			5	22.21	2.72	24.93	<=30	Pass		
		3	0	22.25	2.72	24.97	<=30	Pass		
			2	22.24	2.72	24.96	<=30	Pass		
			3	22.21	2.72	24.93	<=30	Pass		
		6	0	21.27	2.72	23.99	<=30	Pass		
		16QAM	1710.7	1	0	21.13	2.72	23.85	<=30	Pass
					2	21.24	2.72	23.96	<=30	Pass
	5				21.20	2.72	23.92	<=30	Pass	
3	0			21.24	2.72	23.96	<=30	Pass		
	2			21.23	2.72	23.95	<=30	Pass		
	3			21.23	2.72	23.95	<=30	Pass		
6	0			20.19	2.72	22.91	<=30	Pass		
1732.5	1			0	21.51	2.72	24.23	<=30	Pass	
				2	21.60	2.72	24.32	<=30	Pass	
			5	21.53	2.72	24.25	<=30	Pass		
	3		0	21.43	2.72	24.15	<=30	Pass		
			2	21.44	2.72	24.16	<=30	Pass		
			3	21.47	2.72	24.19	<=30	Pass		
6	0		20.47	2.72	23.19	<=30	Pass			
1754.3	1		0	21.11	2.72	23.83	<=30	Pass		
			2	21.19	2.72	23.91	<=30	Pass		
			5	21.10	2.72	23.82	<=30	Pass		
	3		0	21.34	2.72	24.06	<=30	Pass		
			2	21.36	2.72	24.08	<=30	Pass		
			3	21.34	2.72	24.06	<=30	Pass		
	6		0	20.27	2.72	22.99	<=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	22.29	2.72	25.01	<=30	Pass		
			7	22.39	2.72	25.11	<=30	Pass		
			14	22.26	2.72	24.98	<=30	Pass		
		8	0	21.25	2.72	23.97	<=30	Pass		
			4	21.29	2.72	24.01	<=30	Pass		
			7	21.26	2.72	23.98	<=30	Pass		
		15	0	21.22	2.72	23.94	<=30	Pass		
		1732.5	1	0	22.34	2.72	25.06	<=30	Pass	
				7	22.50	2.72	25.22	<=30	Pass	
	14			22.33	2.72	25.05	<=30	Pass		
	8		0	21.38	2.72	24.10	<=30	Pass		
			4	21.42	2.72	24.14	<=30	Pass		
			7	21.37	2.72	24.09	<=30	Pass		
	15	0	21.41	2.72	24.13	<=30	Pass			
	1753.5	1	0	22.30	2.72	25.02	<=30	Pass		
			7	22.39	2.72	25.11	<=30	Pass		
			14	22.28	2.72	25.00	<=30	Pass		
		8	0	21.27	2.72	23.99	<=30	Pass		
			4	21.33	2.72	24.05	<=30	Pass		
			7	21.27	2.72	23.99	<=30	Pass		
		15	0	21.24	2.72	23.96	<=30	Pass		
		16QAM	1711.5	1	0	21.27	2.72	23.99	<=30	Pass
					7	21.39	2.72	24.11	<=30	Pass
	14				21.21	2.72	23.93	<=30	Pass	
	8			0	20.31	2.72	23.03	<=30	Pass	
				4	20.35	2.72	23.07	<=30	Pass	
				7	20.33	2.72	23.05	<=30	Pass	
15	0			20.28	2.72	23.00	<=30	Pass		
1732.5	1			0	21.54	2.72	24.26	<=30	Pass	
				7	21.69	2.72	24.41	<=30	Pass	
			14	21.57	2.72	24.29	<=30	Pass		
	8		0	20.43	2.72	23.15	<=30	Pass		
			4	20.47	2.72	23.19	<=30	Pass		
			7	20.43	2.72	23.15	<=30	Pass		
15	0		20.43	2.72	23.15	<=30	Pass			
1753.5	1		0	21.70	2.72	24.42	<=30	Pass		
			7	21.77	2.72	24.49	<=30	Pass		
			14	21.61	2.72	24.33	<=30	Pass		
	8		0	20.40	2.72	23.12	<=30	Pass		
			4	20.44	2.72	23.16	<=30	Pass		
			7	20.41	2.72	23.13	<=30	Pass		
	15		0	20.29	2.72	23.01	<=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	22.18	2.72	24.90	<=30	Pass		
			13	22.29	2.72	25.01	<=30	Pass		
			24	22.17	2.72	24.89	<=30	Pass		
		12	0	21.17	2.72	23.89	<=30	Pass		
			6	21.31	2.72	24.03	<=30	Pass		
			13	21.28	2.72	24.00	<=30	Pass		
		25	0	21.23	2.72	23.95	<=30	Pass		
		1732.5	1	0	22.21	2.72	24.93	<=30	Pass	
				13	22.42	2.72	25.14	<=30	Pass	
	24			22.34	2.72	25.06	<=30	Pass		
	12		0	21.35	2.72	24.07	<=30	Pass		
			6	21.43	2.72	24.15	<=30	Pass		
			13	21.43	2.72	24.15	<=30	Pass		
	25		0	21.40	2.72	24.12	<=30	Pass		
	1752.5		1	0	22.22	2.72	24.94	<=30	Pass	
				13	22.32	2.72	25.04	<=30	Pass	
		24		22.18	2.72	24.90	<=30	Pass		
		12	0	21.26	2.72	23.98	<=30	Pass		
			6	21.30	2.72	24.02	<=30	Pass		
			13	21.25	2.72	23.97	<=30	Pass		
		25	0	21.23	2.72	23.95	<=30	Pass		
		16QAM	1712.5	1	0	21.23	2.72	23.95	<=30	Pass
					13	21.34	2.72	24.06	<=30	Pass
	24				21.22	2.72	23.94	<=30	Pass	
12	0			20.17	2.72	22.89	<=30	Pass		
	6			20.27	2.72	22.99	<=30	Pass		
	13			20.28	2.72	23.00	<=30	Pass		
25	0			20.26	2.72	22.98	<=30	Pass		
1732.5	1			0	21.59	2.72	24.31	<=30	Pass	
				13	21.72	2.72	24.44	<=30	Pass	
			24	21.60	2.72	24.32	<=30	Pass		
	12		0	20.50	2.72	23.22	<=30	Pass		
			6	20.51	2.72	23.23	<=30	Pass		
			13	20.42	2.72	23.14	<=30	Pass		
	25		0	20.45	2.72	23.17	<=30	Pass		
	1752.5		1	0	21.04	2.72	23.76	<=30	Pass	
				13	21.16	2.72	23.88	<=30	Pass	
24				20.98	2.72	23.70	<=30	Pass		
12			0	20.23	2.72	22.95	<=30	Pass		
			6	20.29	2.72	23.01	<=30	Pass		
			13	20.22	2.72	22.94	<=30	Pass		
25			0	20.28	2.72	23.00	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1715	1	0	22.23	2.72	24.95	<=30	Pass		
			25	22.37	2.72	25.09	<=30	Pass		
			49	22.20	2.72	24.92	<=30	Pass		
		25	0	21.18	2.72	23.90	<=30	Pass		
			13	21.27	2.72	23.99	<=30	Pass		
			25	21.31	2.72	24.03	<=30	Pass		
		50	0	21.24	2.72	23.96	<=30	Pass		
		1732.5	1	0	22.31	2.72	25.03	<=30	Pass	
				25	22.50	2.72	25.22	<=30	Pass	
	49			22.38	2.72	25.10	<=30	Pass		
	25		0	21.43	2.72	24.15	<=30	Pass		
			13	21.43	2.72	24.15	<=30	Pass		
			25	21.44	2.72	24.16	<=30	Pass		
	50	0	21.46	2.72	24.18	<=30	Pass			
	1750	1	0	22.38	2.72	25.10	<=30	Pass		
			25	22.48	2.72	25.20	<=30	Pass		
			49	22.33	2.72	25.05	<=30	Pass		
		25	0	21.33	2.72	24.05	<=30	Pass		
			13	21.30	2.72	24.02	<=30	Pass		
			25	21.30	2.72	24.02	<=30	Pass		
		50	0	21.32	2.72	24.04	<=30	Pass		
		16QAM	1715	1	0	21.37	2.72	24.09	<=30	Pass
					25	21.57	2.72	24.29	<=30	Pass
	49				21.40	2.72	24.12	<=30	Pass	
25	0			20.23	2.72	22.95	<=30	Pass		
	13			20.31	2.72	23.03	<=30	Pass		
	25			20.36	2.72	23.08	<=30	Pass		
50	0			20.29	2.72	23.01	<=30	Pass		
1732.5	1			0	21.91	2.72	24.63	<=30	Pass	
				25	22.17	2.72	24.89	<=30	Pass	
			49	22.01	2.72	24.73	<=30	Pass		
	25		0	20.56	2.72	23.28	<=30	Pass		
			13	20.54	2.72	23.26	<=30	Pass		
			25	20.59	2.72	23.31	<=30	Pass		
50	0		20.56	2.72	23.28	<=30	Pass			
1750	1		0	21.32	2.72	24.04	<=30	Pass		
			25	21.42	2.72	24.14	<=30	Pass		
			49	21.19	2.72	23.91	<=30	Pass		
	25		0	20.45	2.72	23.17	<=30	Pass		
			13	20.37	2.72	23.09	<=30	Pass		
			25	20.38	2.72	23.10	<=30	Pass		
	50		0	20.35	2.72	23.07	<=30	Pass		
	Note1: EIRP=Conducted Power+Antenna Gain									

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1717.5	1	0	22.19	2.72	24.91	<=30	Pass		
			38	22.26	2.72	24.98	<=30	Pass		
			74	22.16	2.72	24.88	<=30	Pass		
		36	0	21.30	2.72	24.02	<=30	Pass		
			18	21.35	2.72	24.07	<=30	Pass		
			39	21.30	2.72	24.02	<=30	Pass		
		75	0	21.32	2.72	24.04	<=30	Pass		
		1732.5	1	0	22.19	2.72	24.91	<=30	Pass	
				38	22.42	2.72	25.14	<=30	Pass	
	74			22.24	2.72	24.96	<=30	Pass		
	36		0	21.41	2.72	24.13	<=30	Pass		
			18	21.45	2.72	24.17	<=30	Pass		
			39	21.48	2.72	24.20	<=30	Pass		
	75	0	21.47	2.72	24.19	<=30	Pass			
	1747.5	1	0	22.34	2.72	25.06	<=30	Pass		
			38	22.37	2.72	25.09	<=30	Pass		
			74	22.18	2.72	24.90	<=30	Pass		
		36	0	21.47	2.72	24.19	<=30	Pass		
			18	21.45	2.72	24.17	<=30	Pass		
			39	21.43	2.72	24.15	<=30	Pass		
		75	0	21.46	2.72	24.18	<=30	Pass		
		16QAM	1717.5	1	0	21.47	2.72	24.19	<=30	Pass
					38	21.59	2.72	24.31	<=30	Pass
	74				21.56	2.72	24.28	<=30	Pass	
36	0			20.23	2.72	22.95	<=30	Pass		
	18			20.31	2.72	23.03	<=30	Pass		
	39			20.29	2.72	23.01	<=30	Pass		
75	0			20.29	2.72	23.01	<=30	Pass		
1732.5	1			0	21.39	2.72	24.11	<=30	Pass	
				38	21.60	2.72	24.32	<=30	Pass	
			74	21.47	2.72	24.19	<=30	Pass		
	36		0	20.50	2.72	23.22	<=30	Pass		
			18	20.49	2.72	23.21	<=30	Pass		
			39	20.48	2.72	23.20	<=30	Pass		
75	0		20.49	2.72	23.21	<=30	Pass			
1747.5	1		0	21.96	2.72	24.68	<=30	Pass		
			38	21.83	2.72	24.55	<=30	Pass		
			74	21.60	2.72	24.32	<=30	Pass		
	36		0	20.49	2.72	23.21	<=30	Pass		
			18	20.44	2.72	23.16	<=30	Pass		
			39	20.42	2.72	23.14	<=30	Pass		
	75		0	20.42	2.72	23.14	<=30	Pass		
	Note1: EIRP=Conducted Power+Antenna Gain									

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1720	1	0	22.03	2.72	24.75	<=30	Pass		
			50	22.37	2.72	25.09	<=30	Pass		
			99	22.08	2.72	24.80	<=30	Pass		
		50	0	21.19	2.72	23.91	<=30	Pass		
			25	21.30	2.72	24.02	<=30	Pass		
			50	21.21	2.72	23.93	<=30	Pass		
		100	0	21.24	2.72	23.96	<=30	Pass		
		1732.5	1	0	22.02	2.72	24.74	<=30	Pass	
				50	22.56	2.72	25.28	<=30	Pass	
	99			22.21	2.72	24.93	<=30	Pass		
	50		0	21.51	2.72	24.23	<=30	Pass		
			25	21.45	2.72	24.17	<=30	Pass		
			50	21.45	2.72	24.17	<=30	Pass		
	100	0	21.45	2.72	24.17	<=30	Pass			
	1745	1	0	22.18	2.72	24.90	<=30	Pass		
			50	22.51	2.72	25.23	<=30	Pass		
			99	22.00	2.72	24.72	<=30	Pass		
		50	0	21.49	2.72	24.21	<=30	Pass		
			25	21.39	2.72	24.11	<=30	Pass		
			50	21.32	2.72	24.04	<=30	Pass		
		100	0	21.42	2.72	24.14	<=30	Pass		
		16QAM	1720	1	0	21.49	2.72	24.21	<=30	Pass
					50	21.94	2.72	24.66	<=30	Pass
	99				21.67	2.72	24.39	<=30	Pass	
50	0			20.20	2.72	22.92	<=30	Pass		
	25			20.34	2.72	23.06	<=30	Pass		
	50			20.29	2.72	23.01	<=30	Pass		
100	0			20.24	2.72	22.96	<=30	Pass		
1732.5	1			0	21.28	2.72	24.00	<=30	Pass	
				50	21.80	2.72	24.52	<=30	Pass	
			99	21.42	2.72	24.14	<=30	Pass		
	50		0	20.51	2.72	23.23	<=30	Pass		
			25	20.49	2.72	23.21	<=30	Pass		
			50	20.47	2.72	23.19	<=30	Pass		
100	0		20.53	2.72	23.25	<=30	Pass			
1745	1		0	21.51	2.72	24.23	<=30	Pass		
			50	21.79	2.72	24.51	<=30	Pass		
			99	21.20	2.72	23.92	<=30	Pass		
	50		0	20.54	2.72	23.26	<=30	Pass		
			25	20.44	2.72	23.16	<=30	Pass		
			50	20.37	2.72	23.09	<=30	Pass		
	100		0	20.43	2.72	23.15	<=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 (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1732.5	50	0	20	3.40	-10.986	-0.0063	-2.5 to 2.5	Pass
					3.70	-6.709	-0.0039	-2.5 to 2.5	Pass
					4.20	-0.916	-0.0005	-2.5 to 2.5	Pass
				-30	3.70	-3.819	-0.0022	-2.5 to 2.5	Pass
				-20	3.70	-6.766	-0.0039	-2.5 to 2.5	Pass
				-10	3.70	-2.403	-0.0014	-2.5 to 2.5	Pass
				0	3.70	-2.174	-0.0013	-2.5 to 2.5	Pass
				10	3.70	-3.047	-0.0018	-2.5 to 2.5	Pass
				30	3.70	-11.959	-0.0069	-2.5 to 2.5	Pass
				40	3.70	-3.119	-0.0018	-2.5 to 2.5	Pass
				50	3.70	-4.563	-0.0026	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

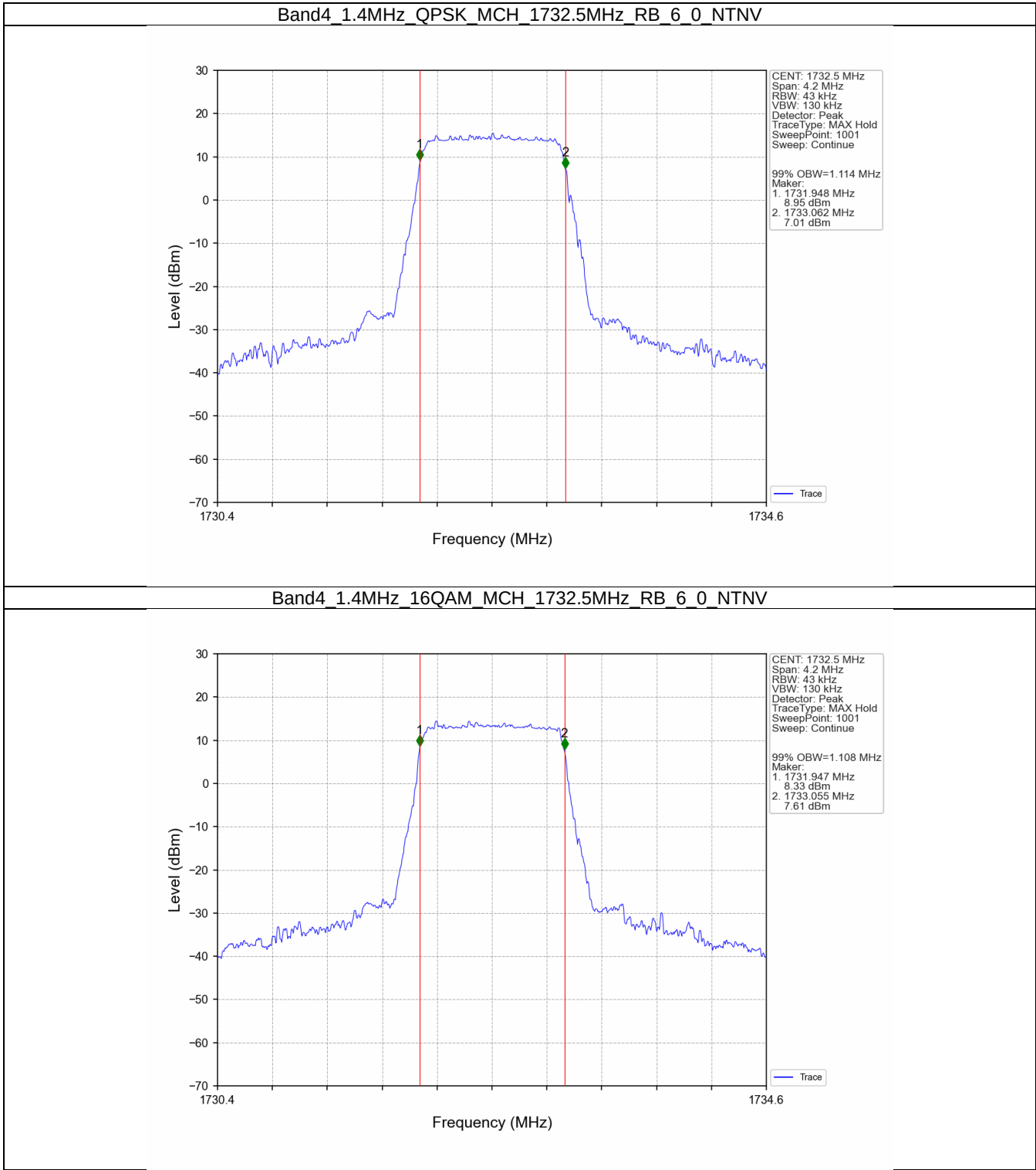
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.114	/	Pass
	16QAM	1732.5	6	0	1.108	/	Pass
3	QPSK	1732.5	15	0	2.728	/	Pass
	16QAM	1732.5	15	0	2.724	/	Pass
5	QPSK	1732.5	25	0	4.531	/	Pass
	16QAM	1732.5	25	0	4.549	/	Pass
10	QPSK	1732.5	50	0	9.056	/	Pass
	16QAM	1732.5	50	0	9.045	/	Pass
15	QPSK	1732.5	75	0	13.609	/	Pass
	16QAM	1732.5	75	0	13.623	/	Pass
20	QPSK	1732.5	100	0	18.164	/	Pass
	16QAM	1732.5	100	0	18.178	/	Pass

3.1.2 Band4_XDB

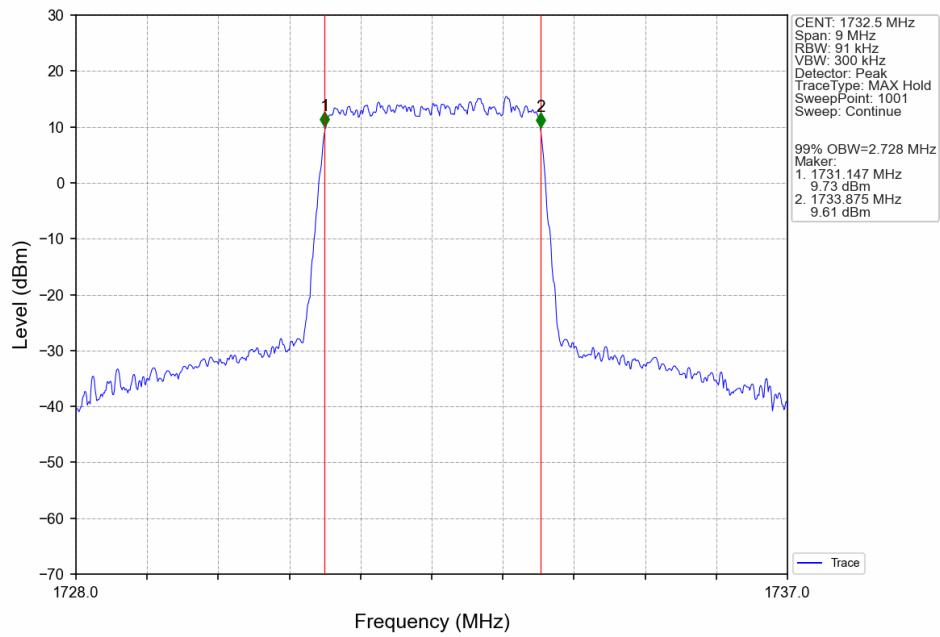
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.338	/	Pass
	16QAM	1732.5	6	0	1.293	/	Pass
3	QPSK	1732.5	15	0	2.997	/	Pass
	16QAM	1732.5	15	0	2.987	/	Pass
5	QPSK	1732.5	25	0	5.009	/	Pass
	16QAM	1732.5	25	0	4.994	/	Pass
10	QPSK	1732.5	50	0	9.937	/	Pass
	16QAM	1732.5	50	0	9.875	/	Pass
15	QPSK	1732.5	75	0	14.949	/	Pass
	16QAM	1732.5	75	0	14.970	/	Pass
20	QPSK	1732.5	100	0	19.685	/	Pass
	16QAM	1732.5	100	0	19.696	/	Pass

3.2 Test Graph

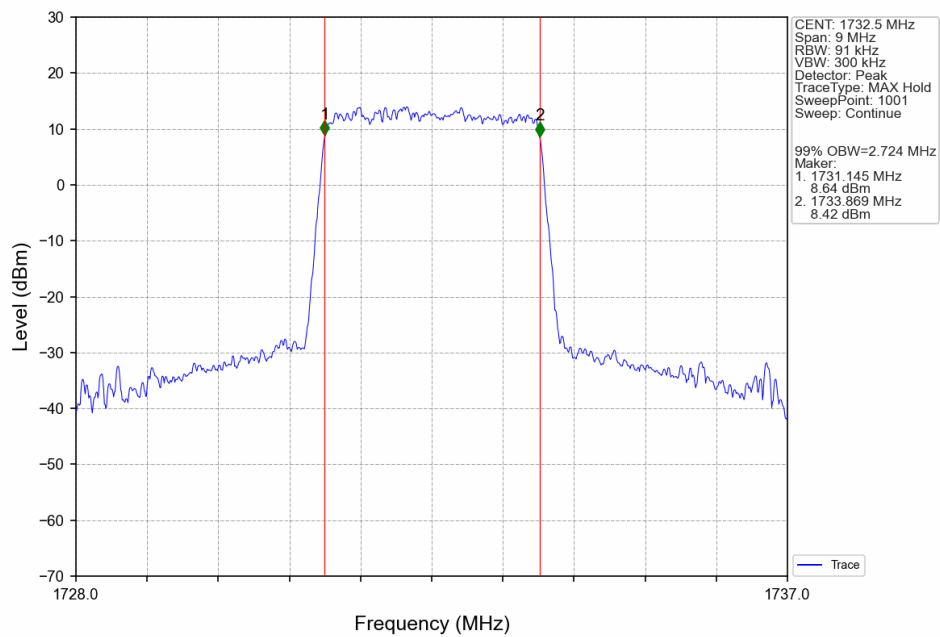
3.2.1 Band4_OBW



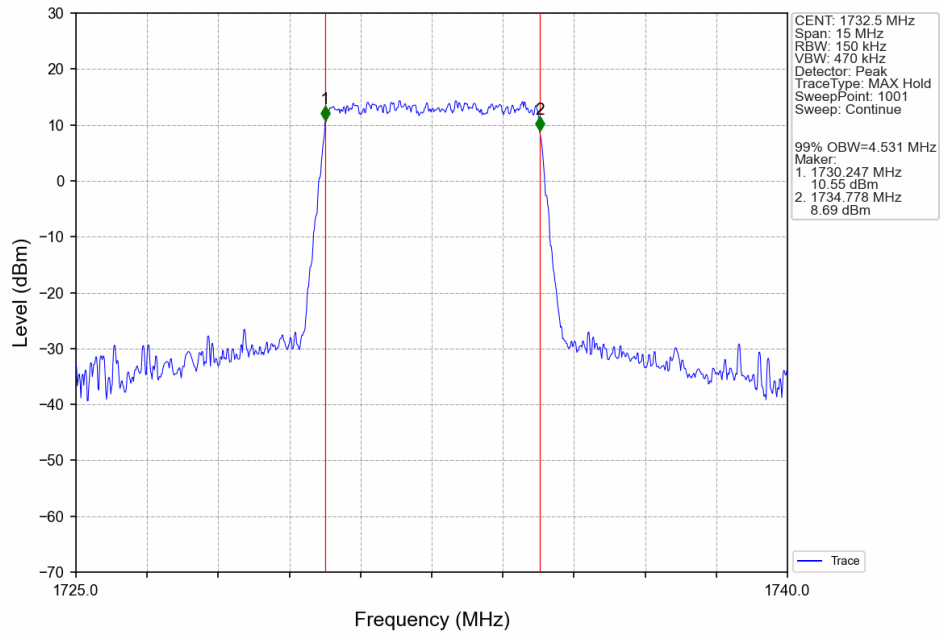
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



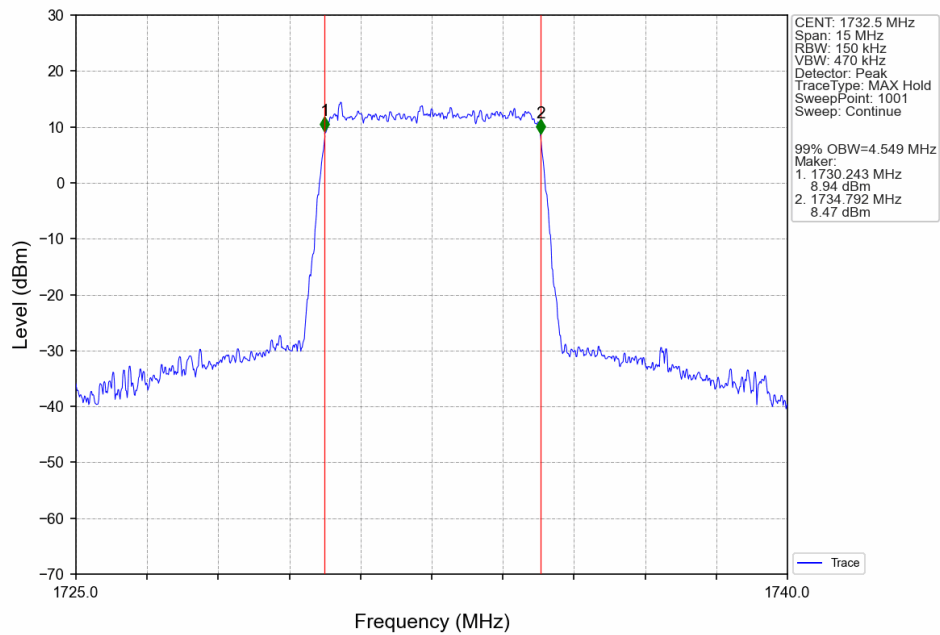
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



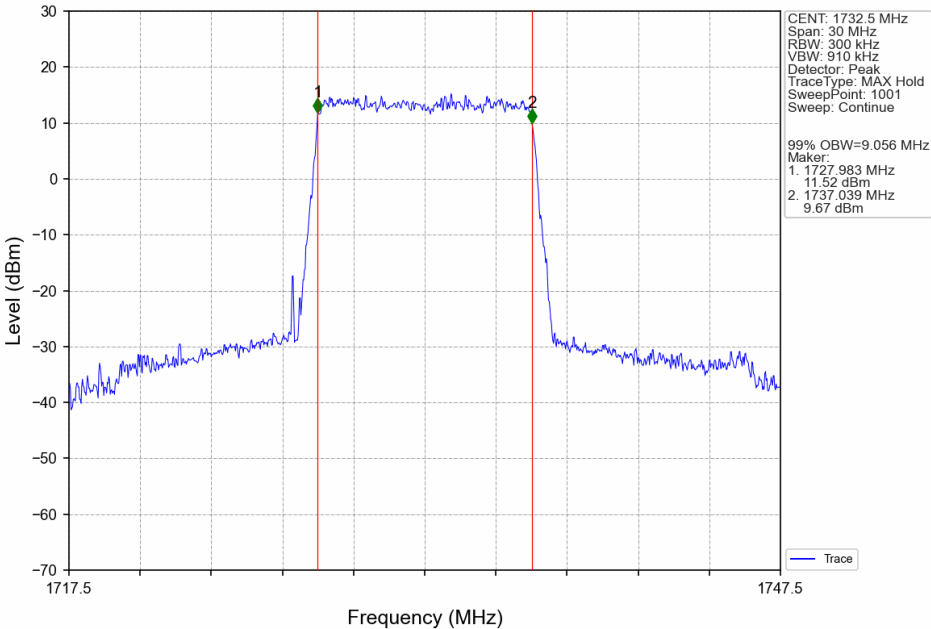
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV



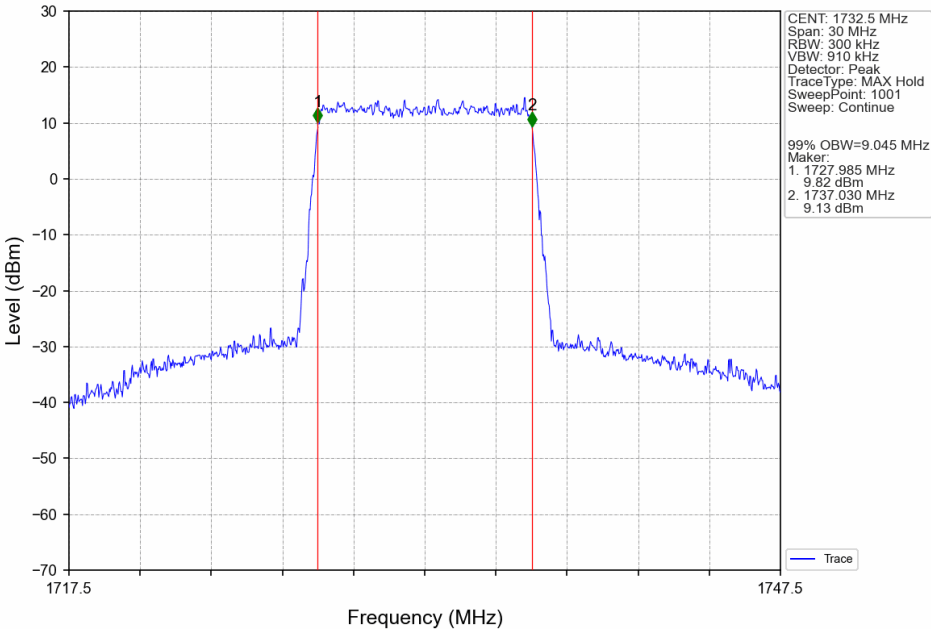
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV



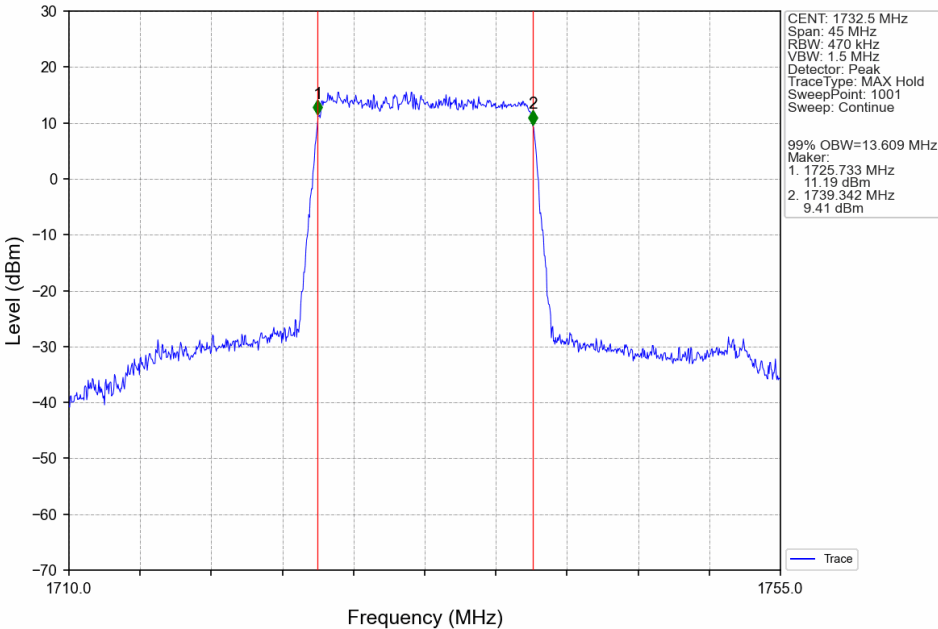
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV



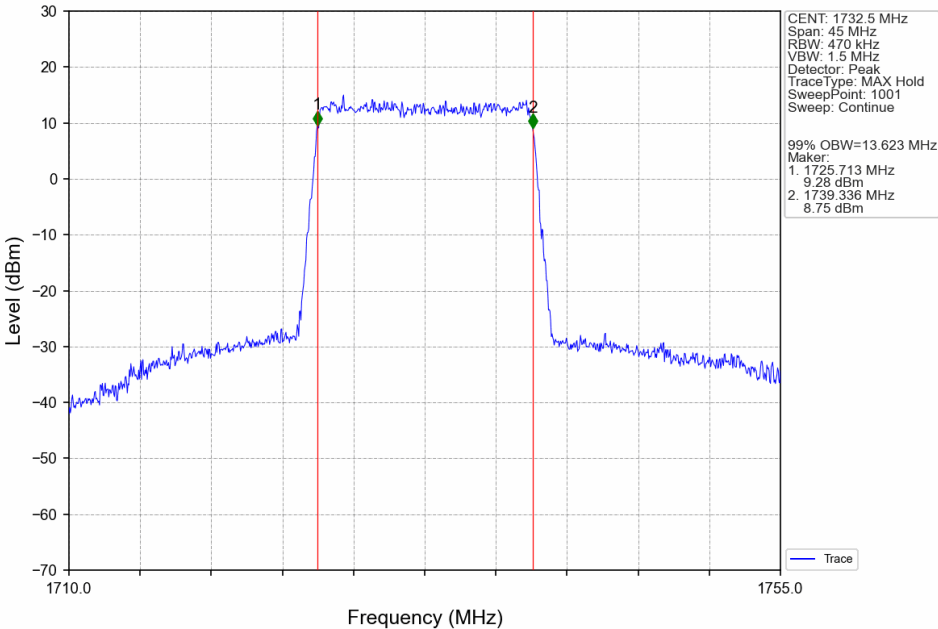
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTNV



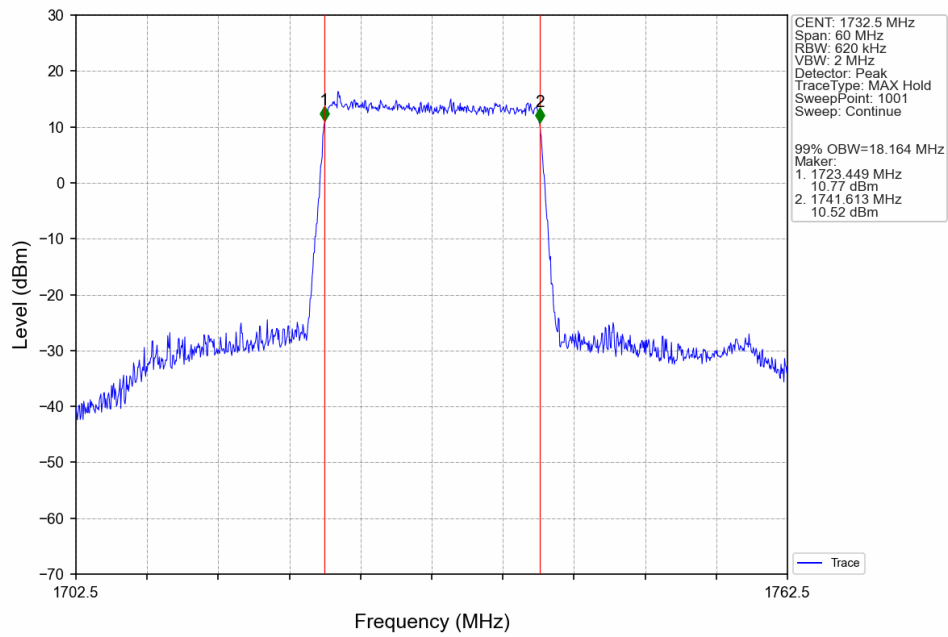
Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV



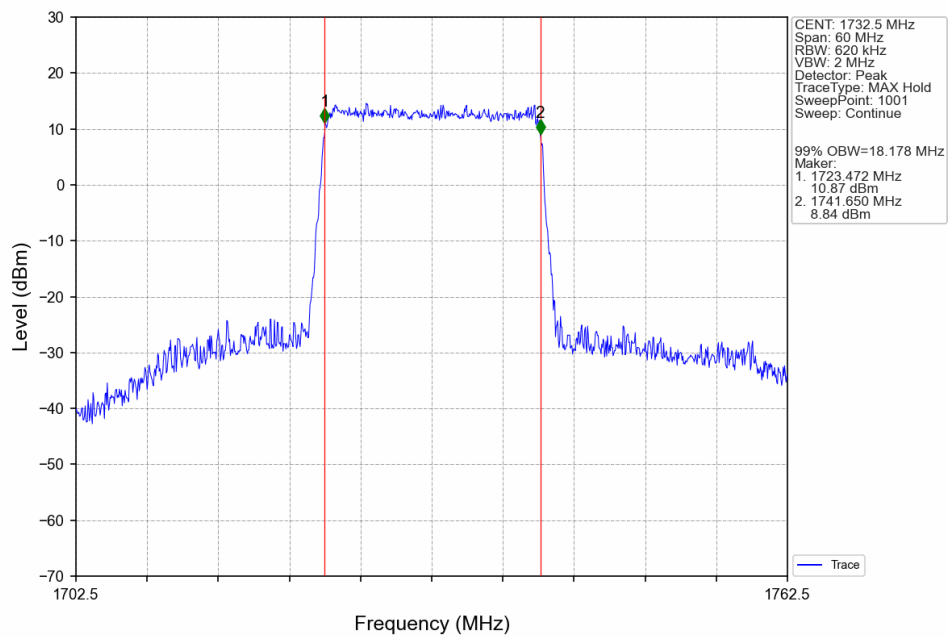
Band4 15MHz 16QAM MCH 1732.5MHz RB 75 0 NTNV



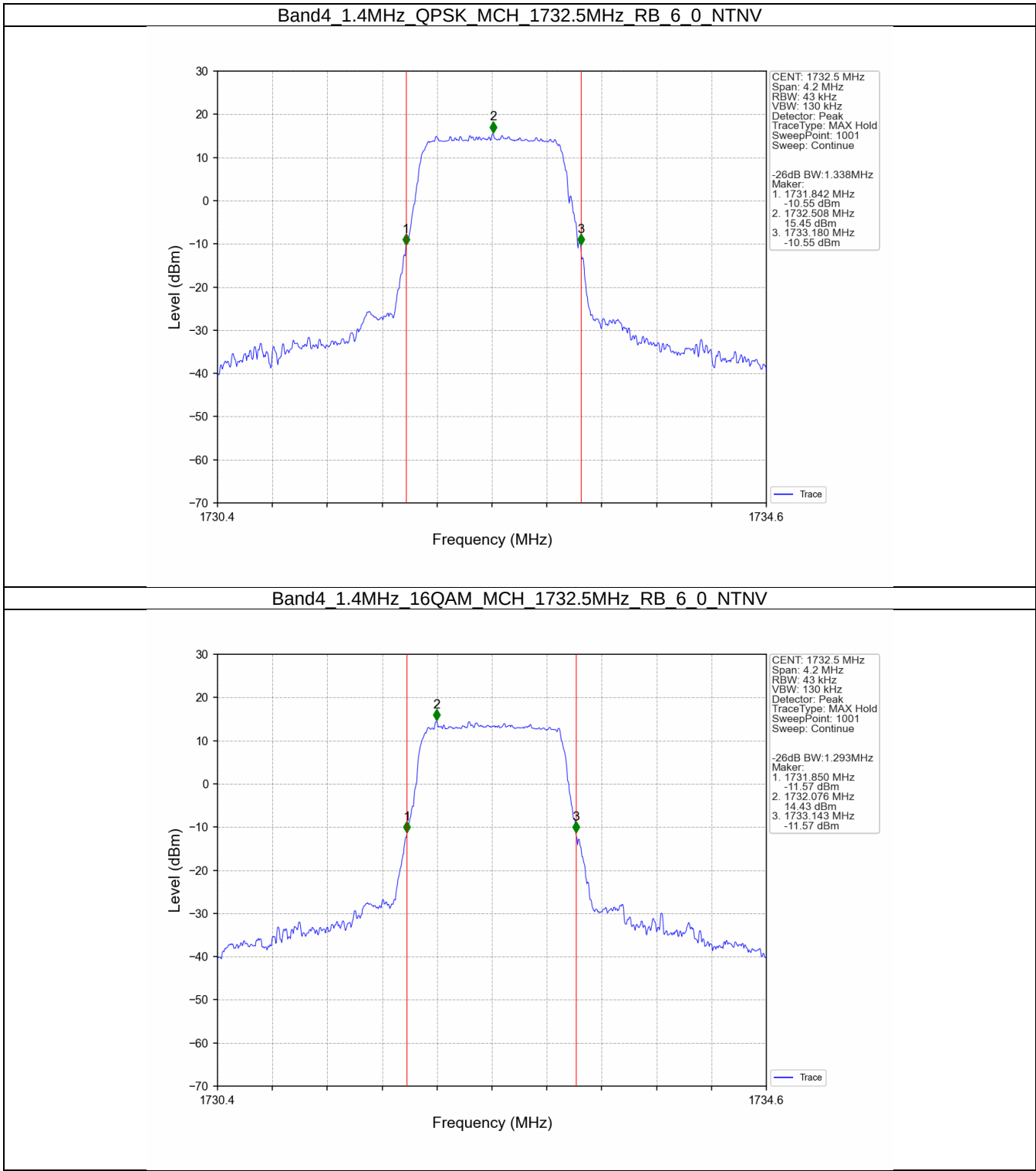
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



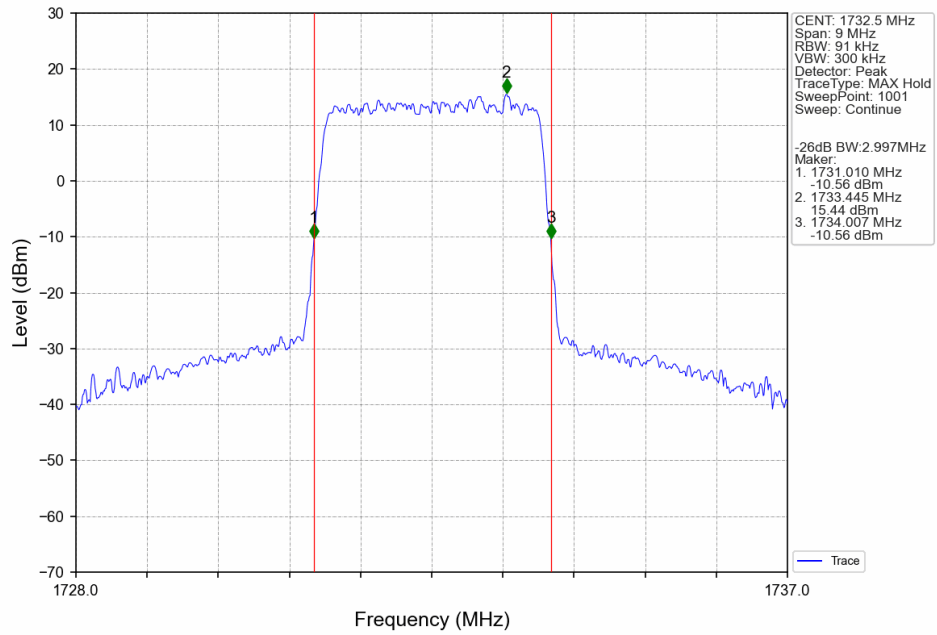
Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTNV



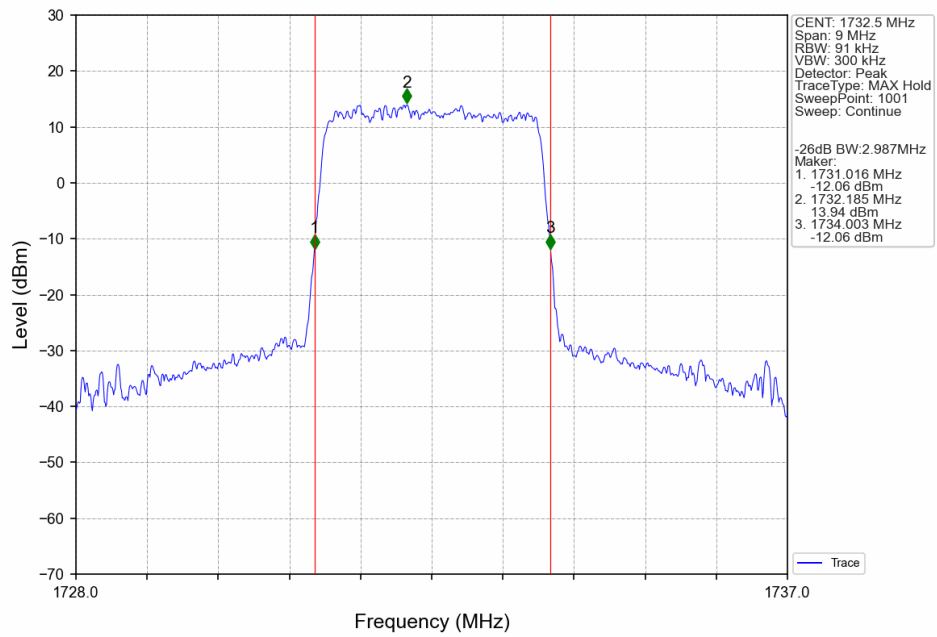
3.2.2 Band4_XDB



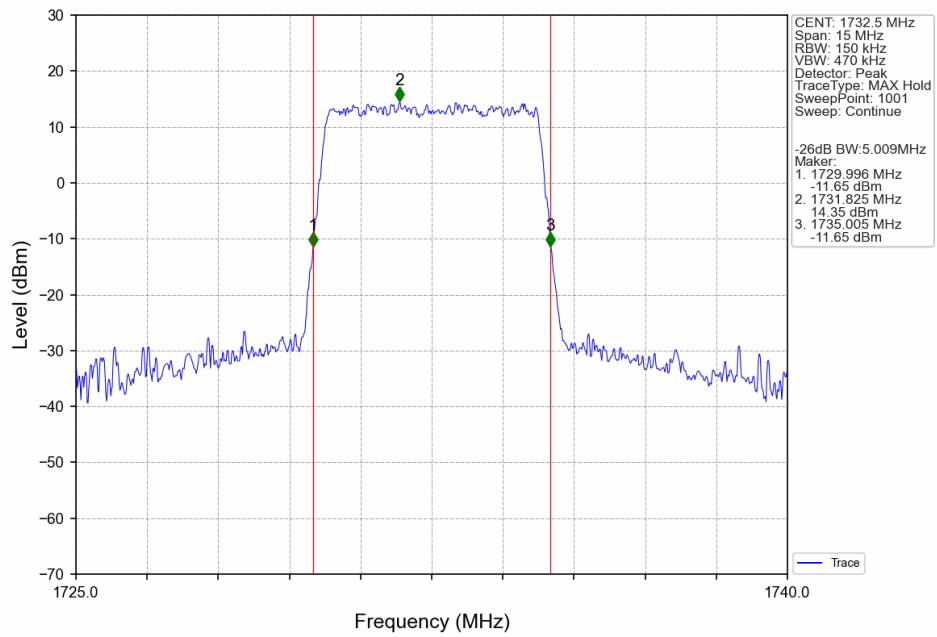
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



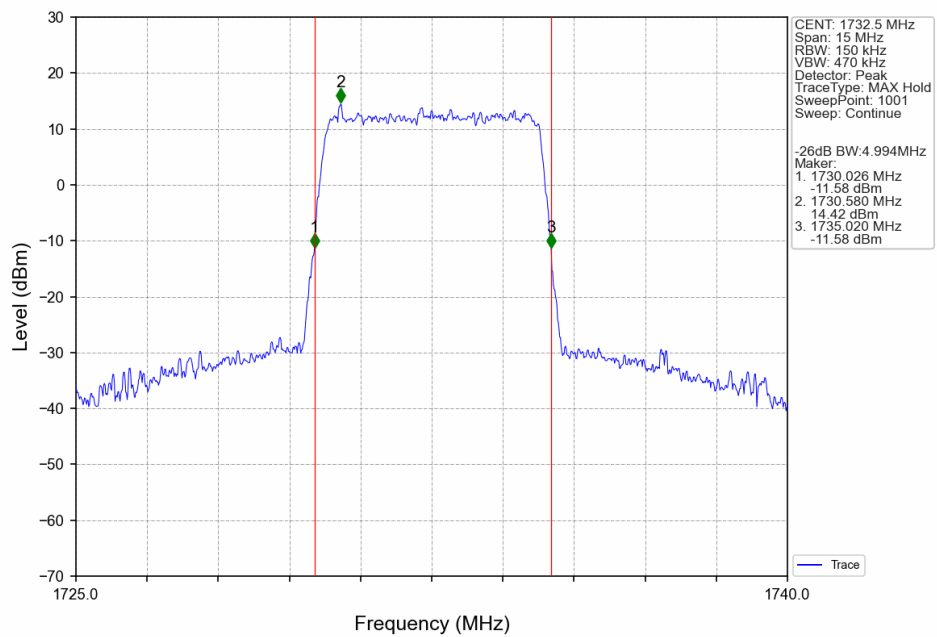
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



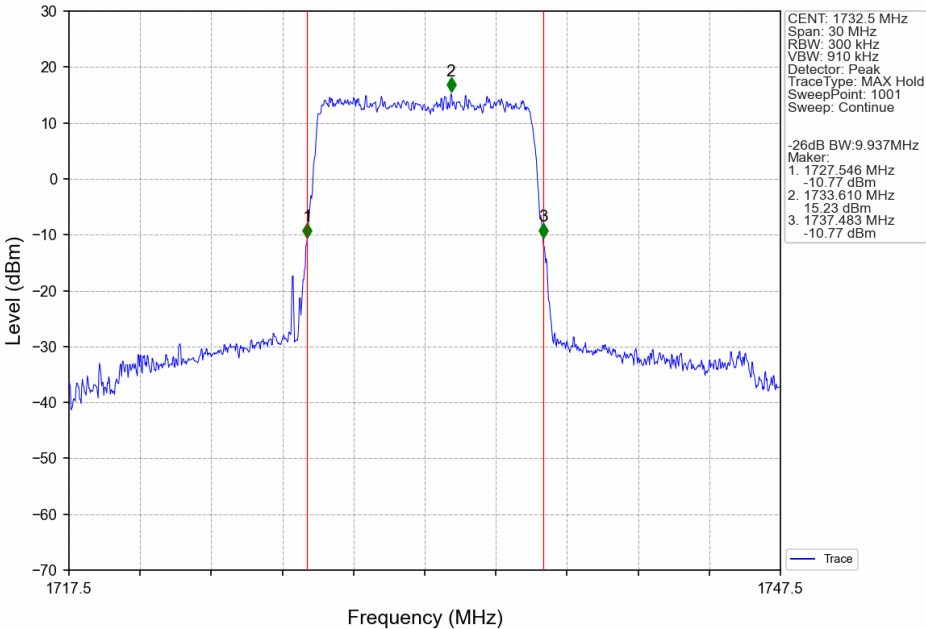
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV



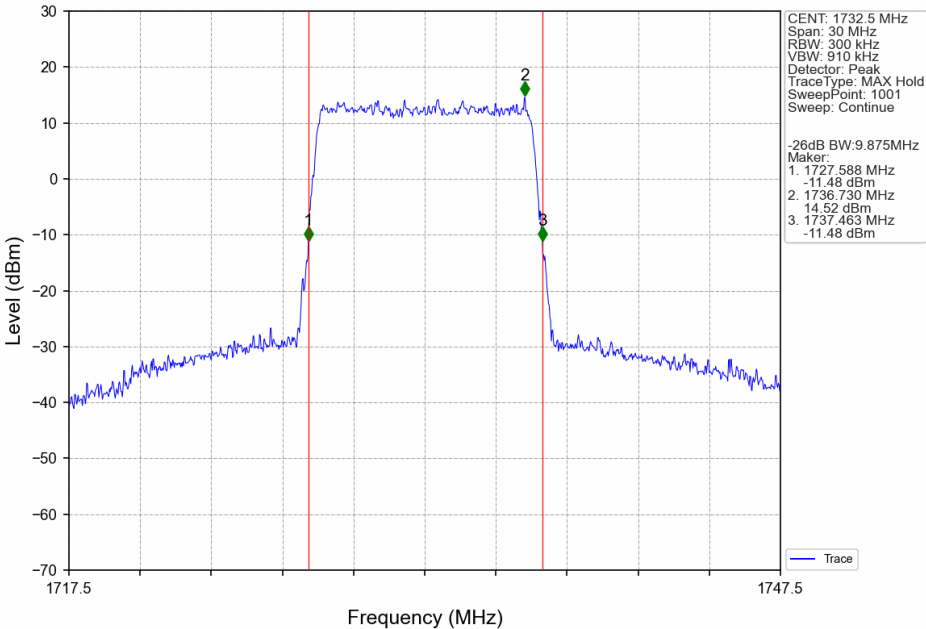
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV



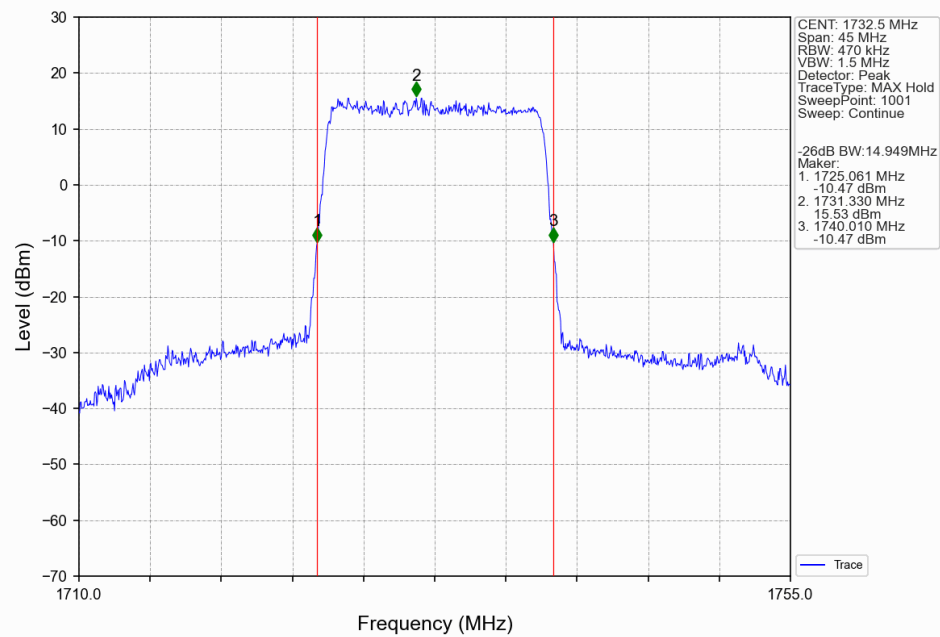
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV



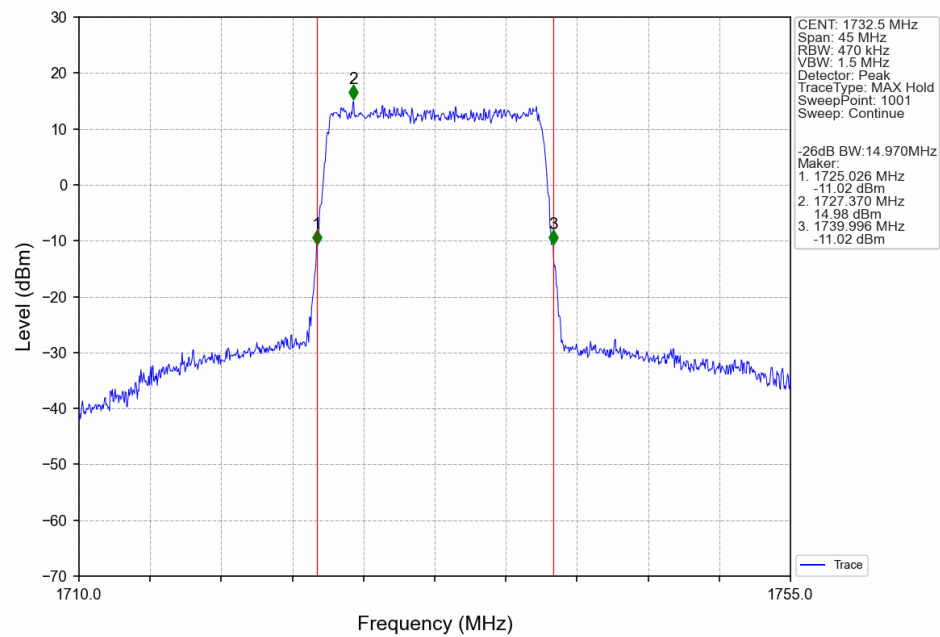
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTNV



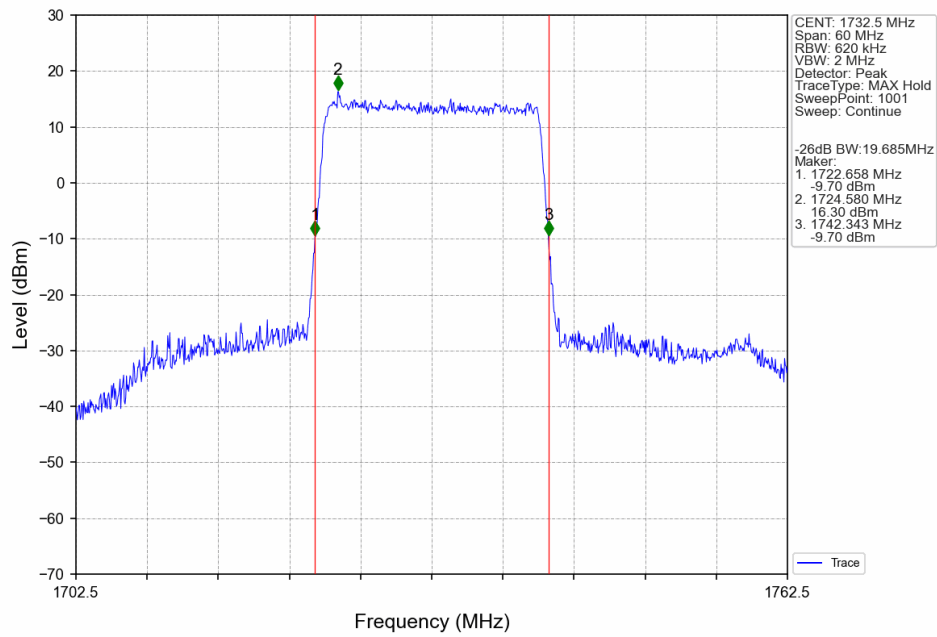
Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV



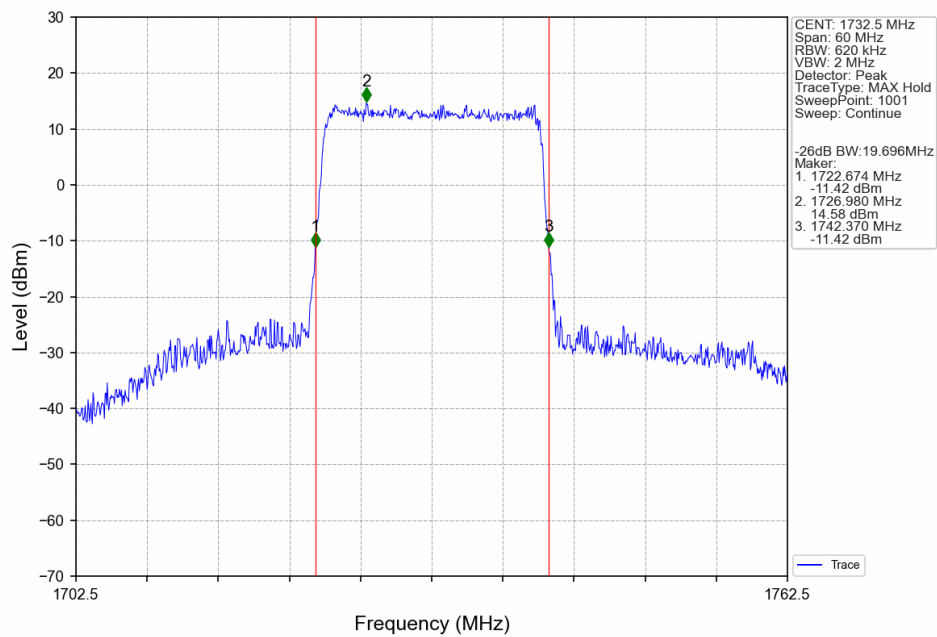
Band4 15MHz 16QAM MCH 1732.5MHz RB 75 0 NTNV



Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



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



4. Peak-Average Ratio

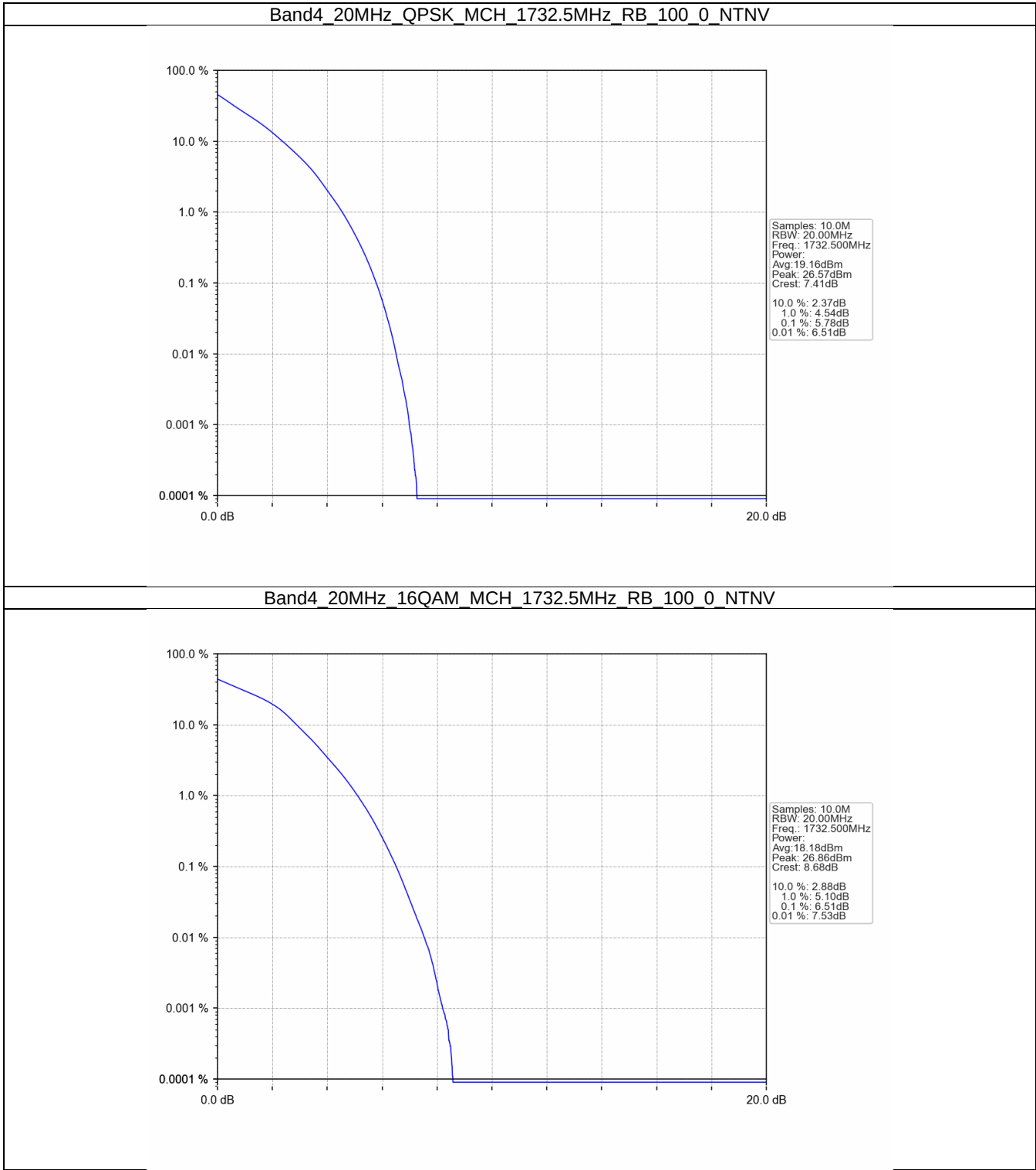
4.1 Test Result

4.1.1 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	5.78	<=13	Pass
16QAM	1732.5	100	0	6.51	<=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 / 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

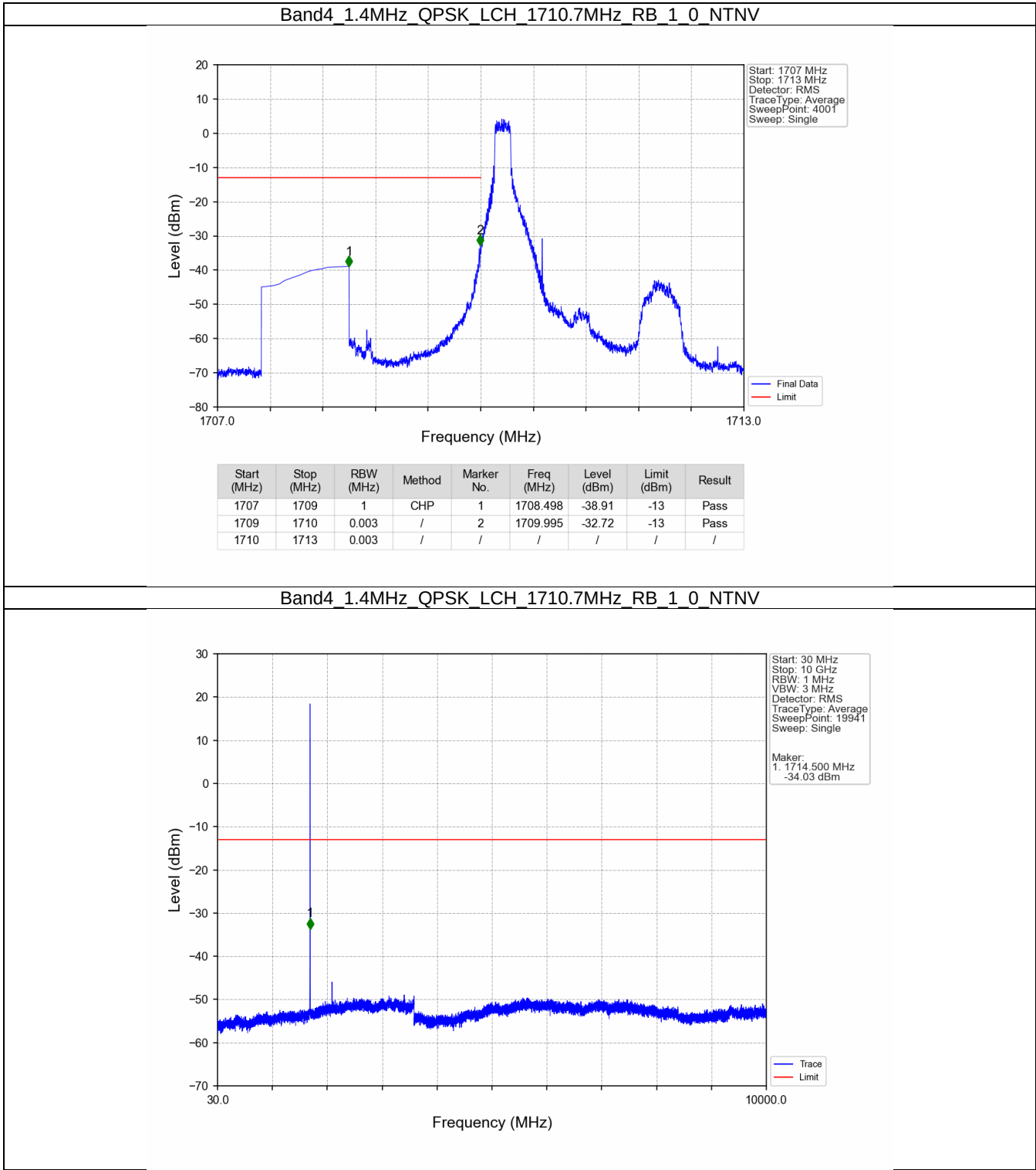
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.6 B4_20MHz

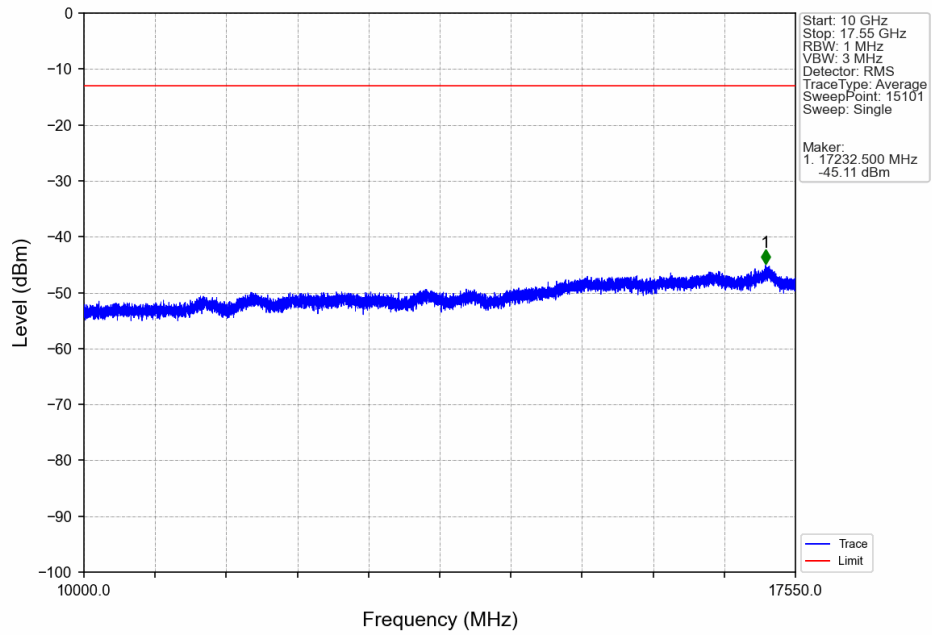
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

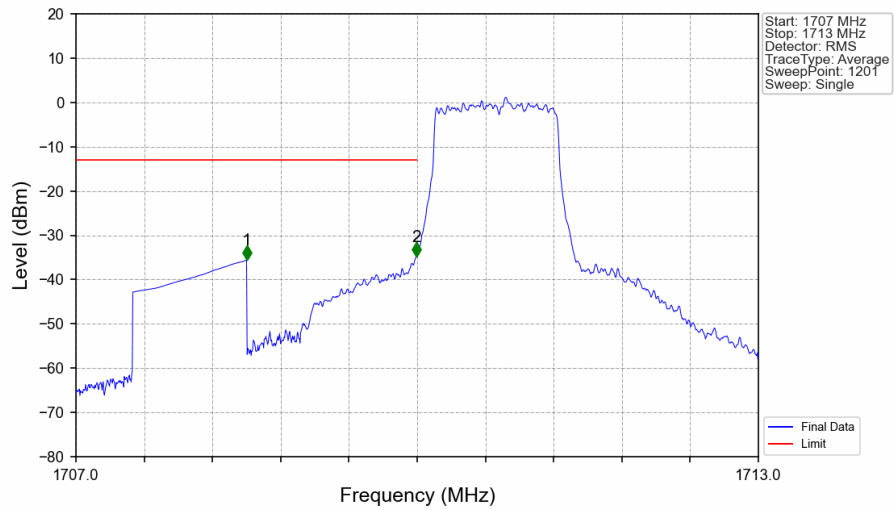
5.2.1 B4_1.4MHz



Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV

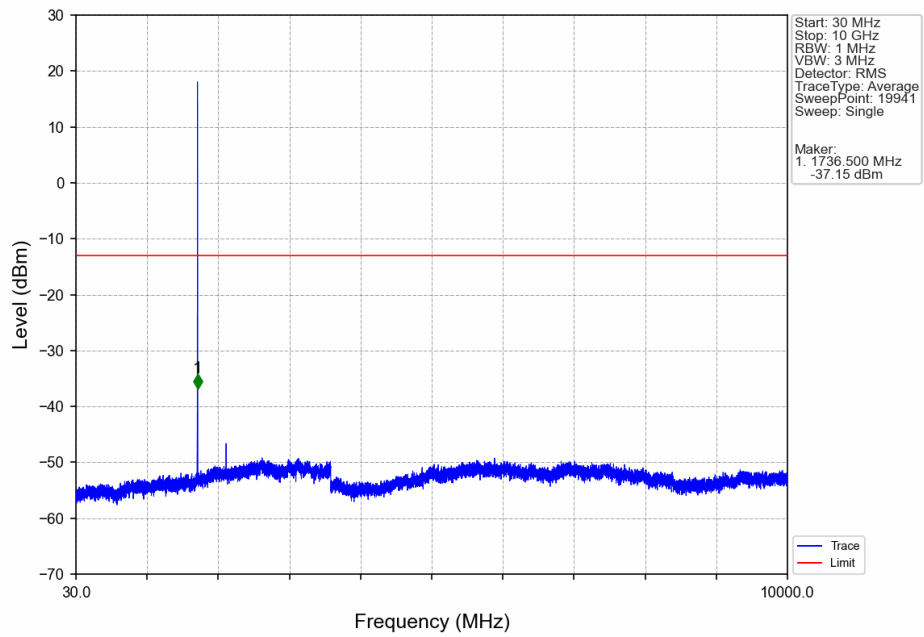


Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTV

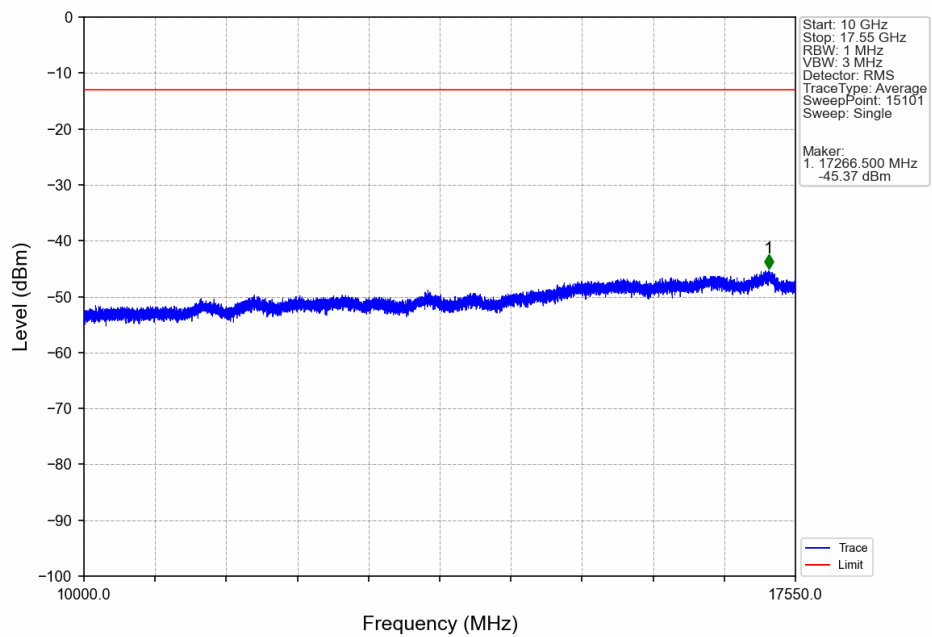


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-35.56	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-34.73	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

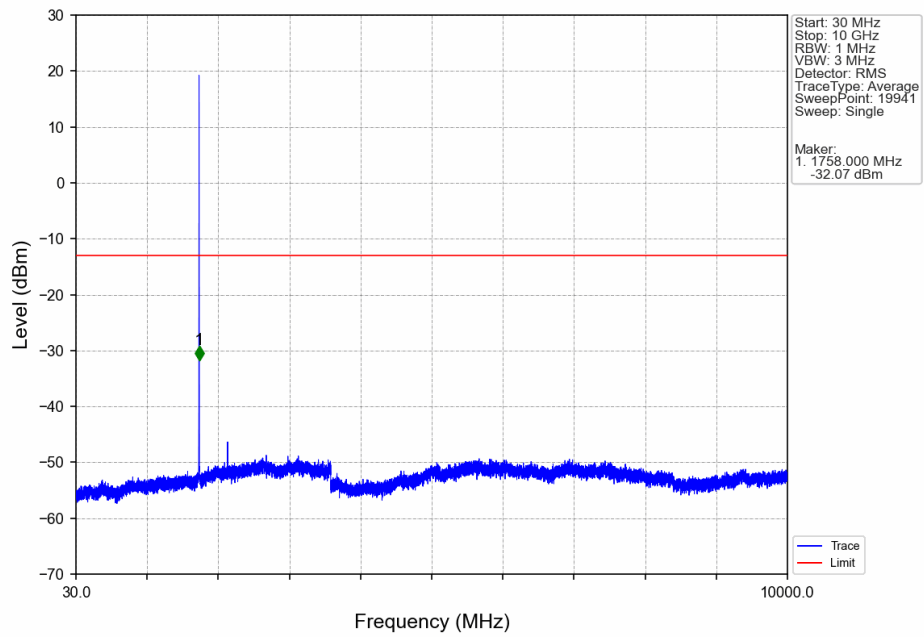
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



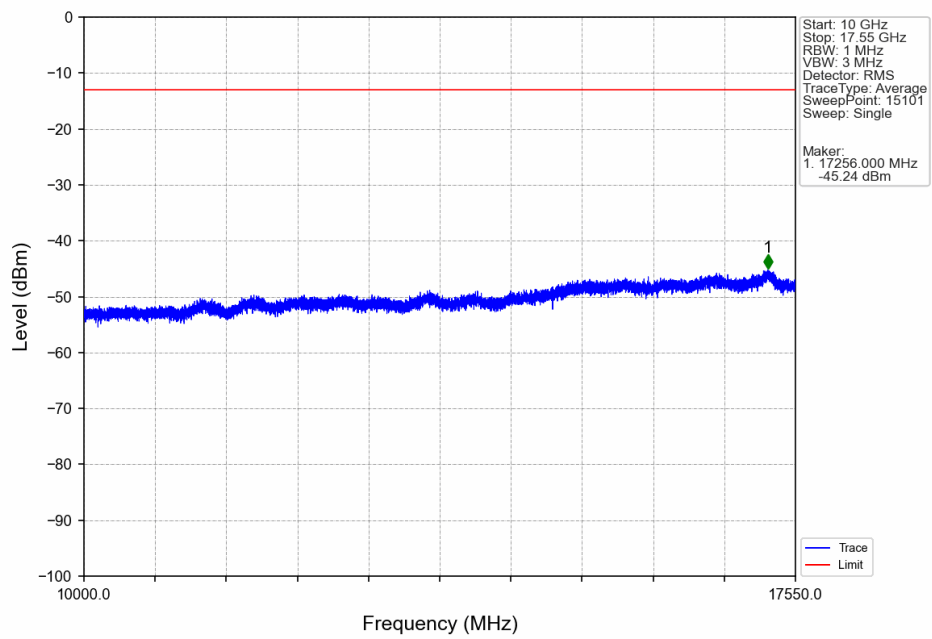
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



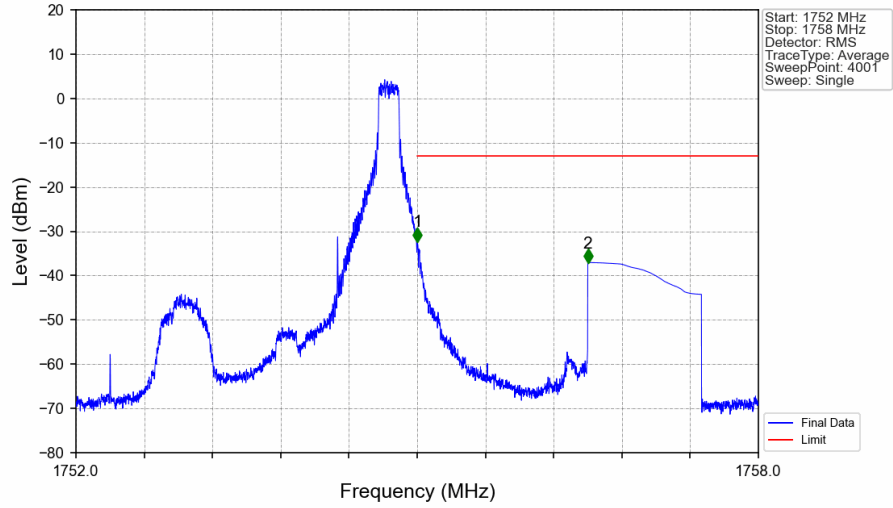
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTV



Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTV

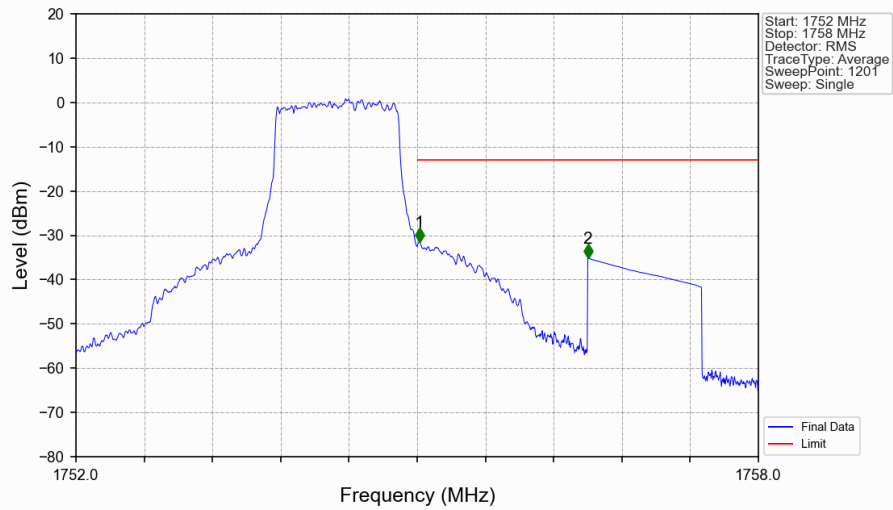


Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 5 NTV



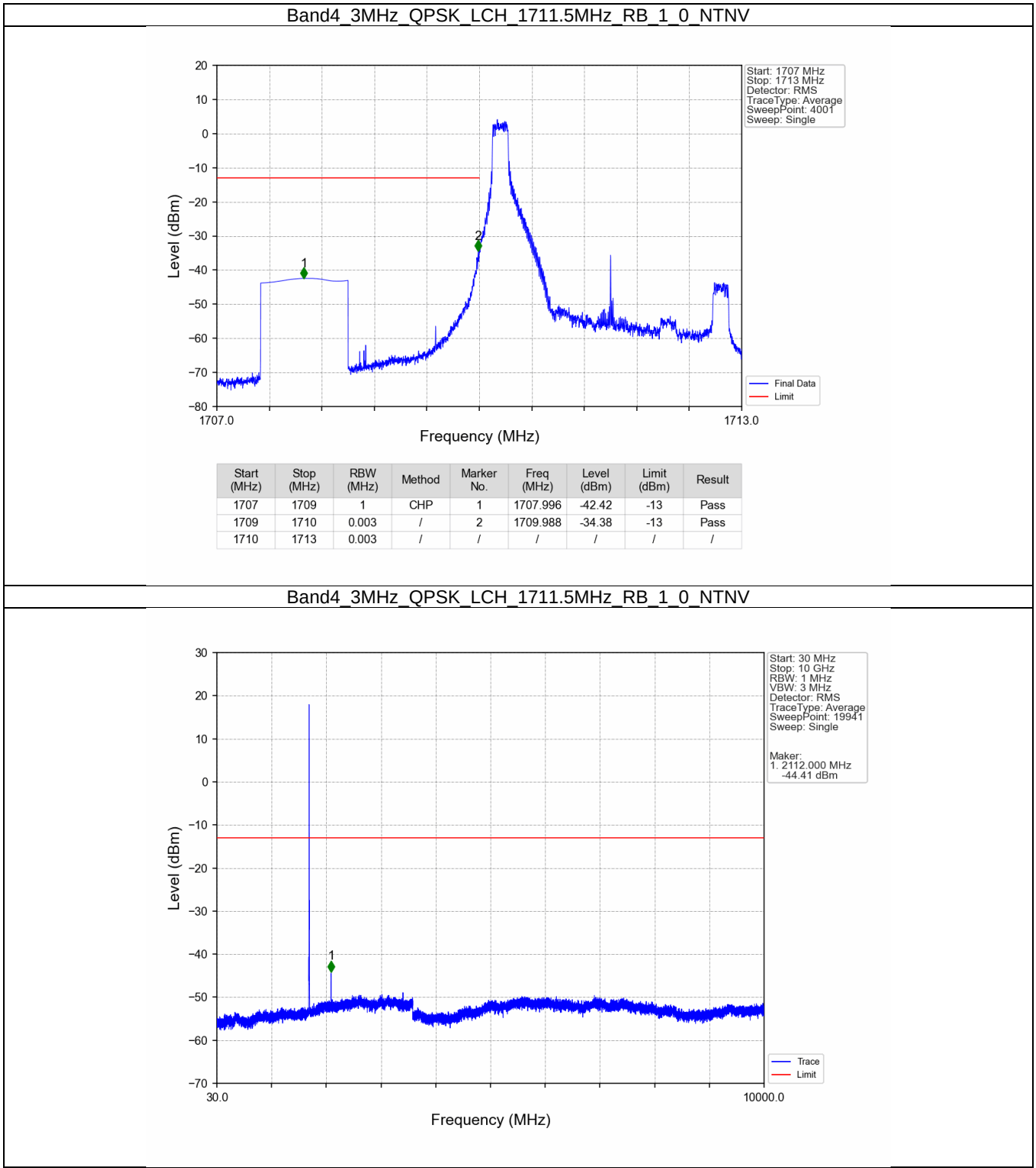
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-32.31	-13	Pass
1756	1758	1	CHP	2	1756.500	-37.06	-13	Pass

Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV

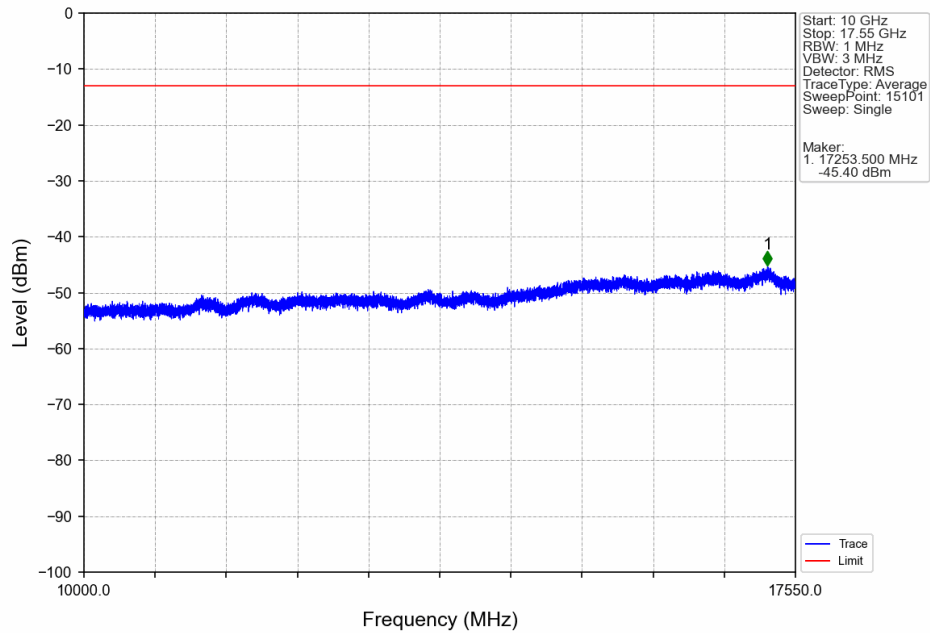


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.020	-31.49	-13	Pass
1756	1758	1	CHP	2	1756.500	-35.14	-13	Pass

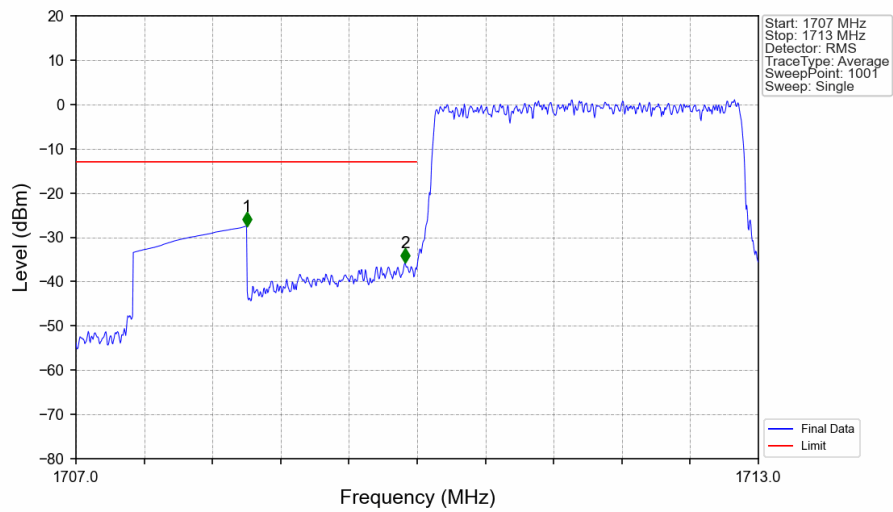
5.2.2 B4_3MHz



Band4 3MHz QPSK LCH 1711.5MHz RB 1 0 NTNV

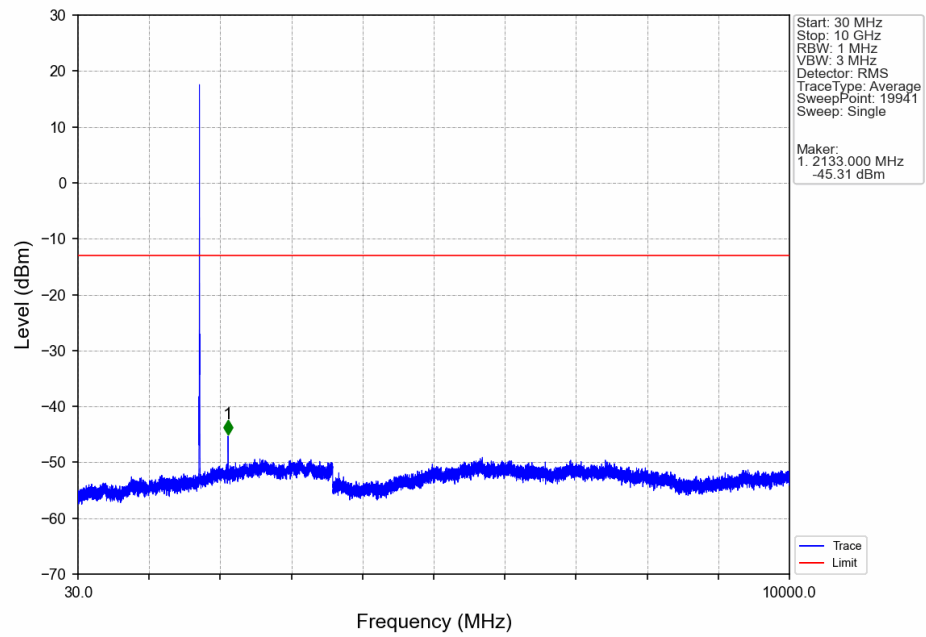


Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV

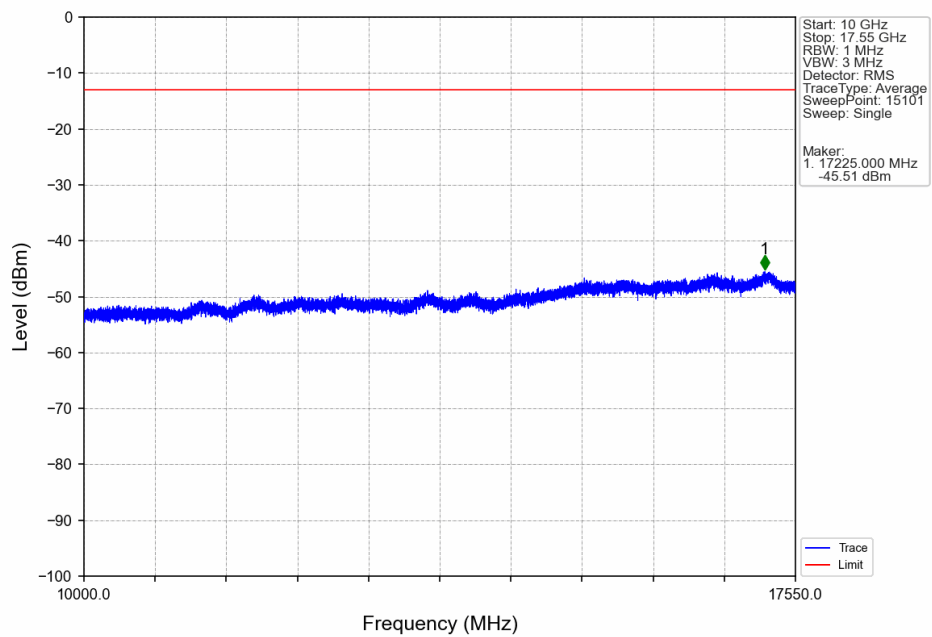


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-27.47	-13	Pass
1709	1710	0.03	/	2	1709.892	-35.77	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

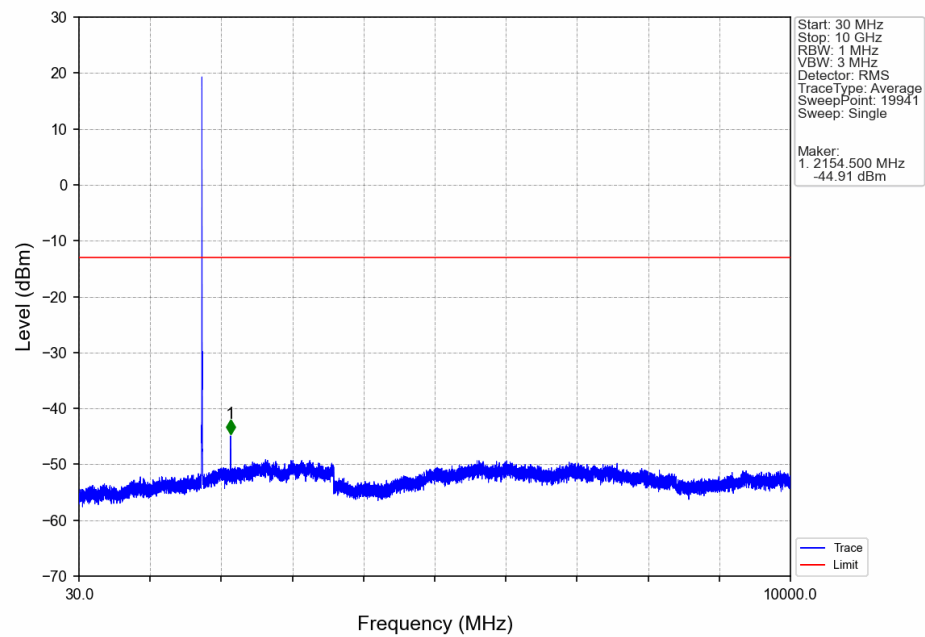
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



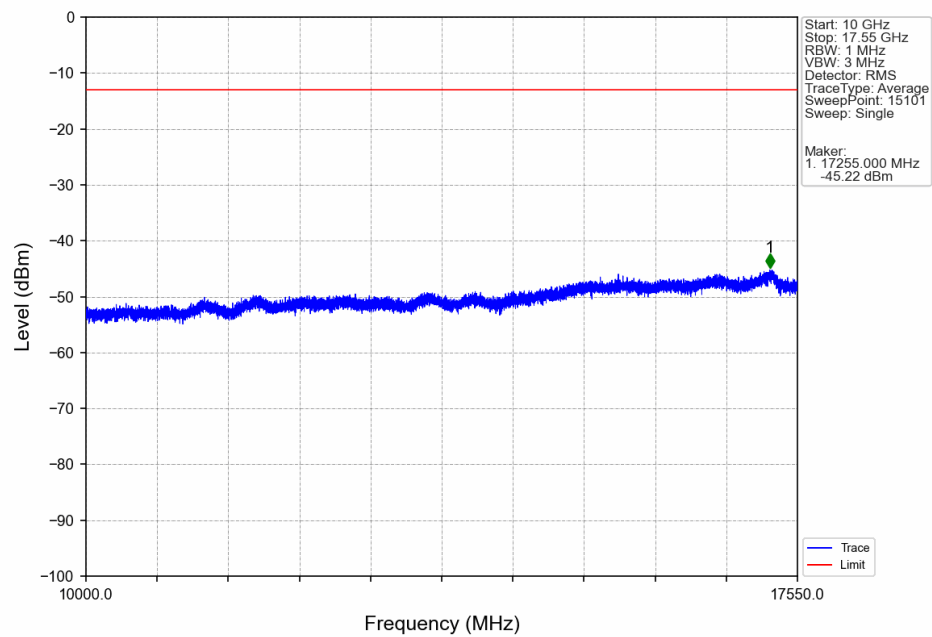
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



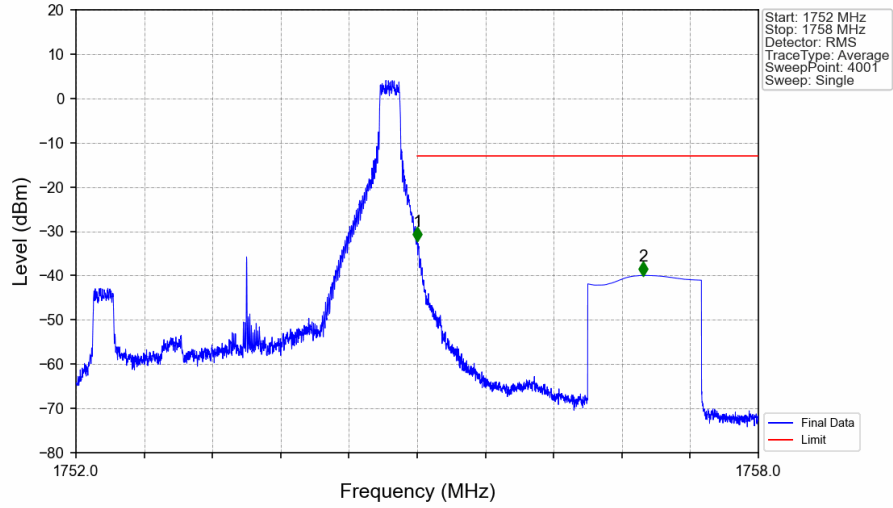
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTN



Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTN

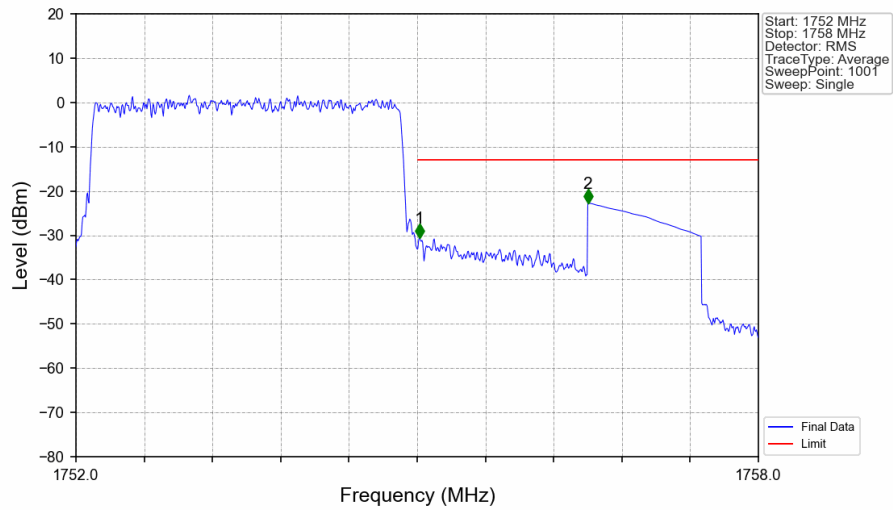


Band4 3MHz QPSK HCH 1753.5MHz RB 1 14 NTV



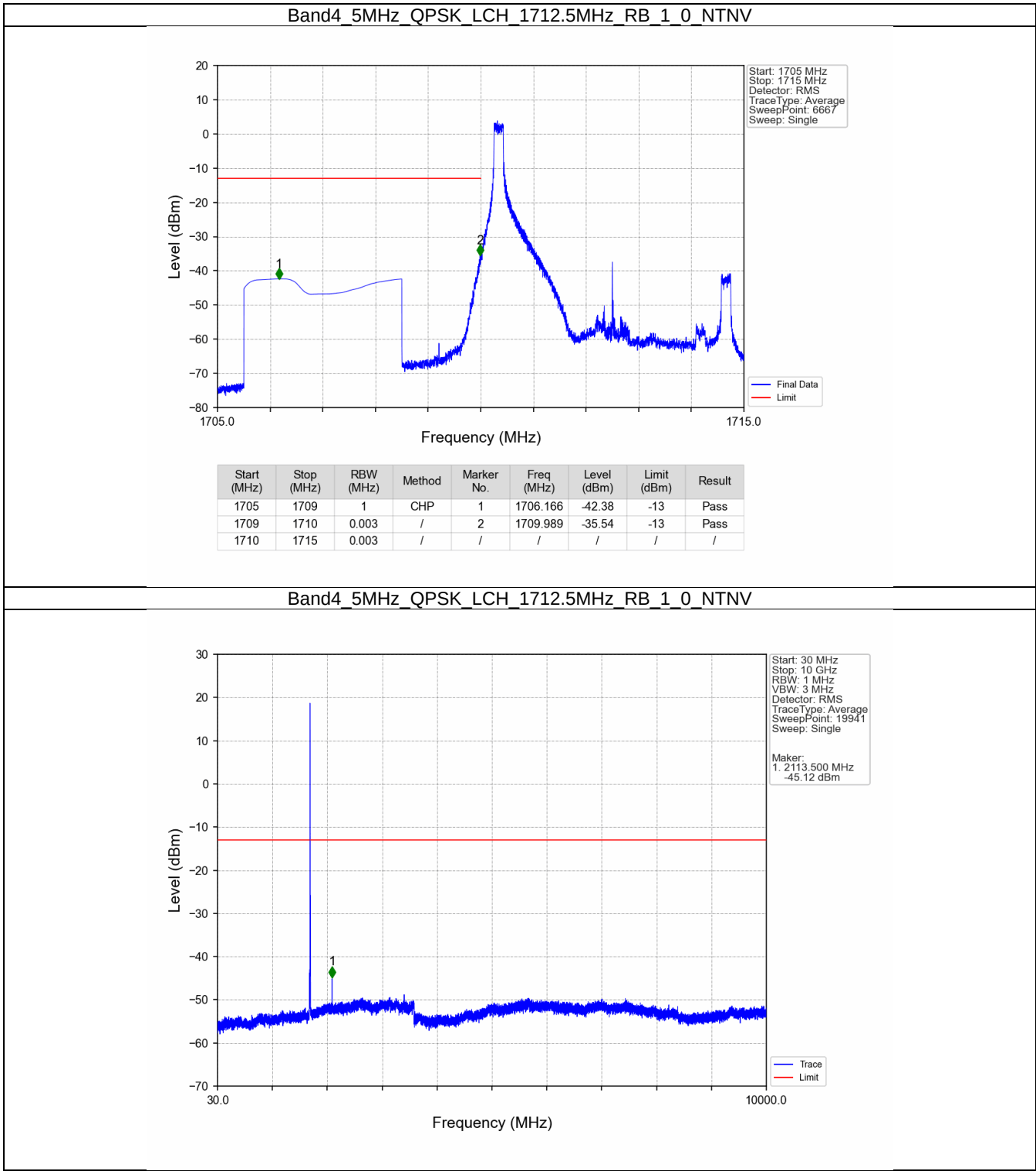
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-32.24	-13	Pass
1756	1758	1	CHP	2	1756.986	-39.98	-13	Pass

Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV

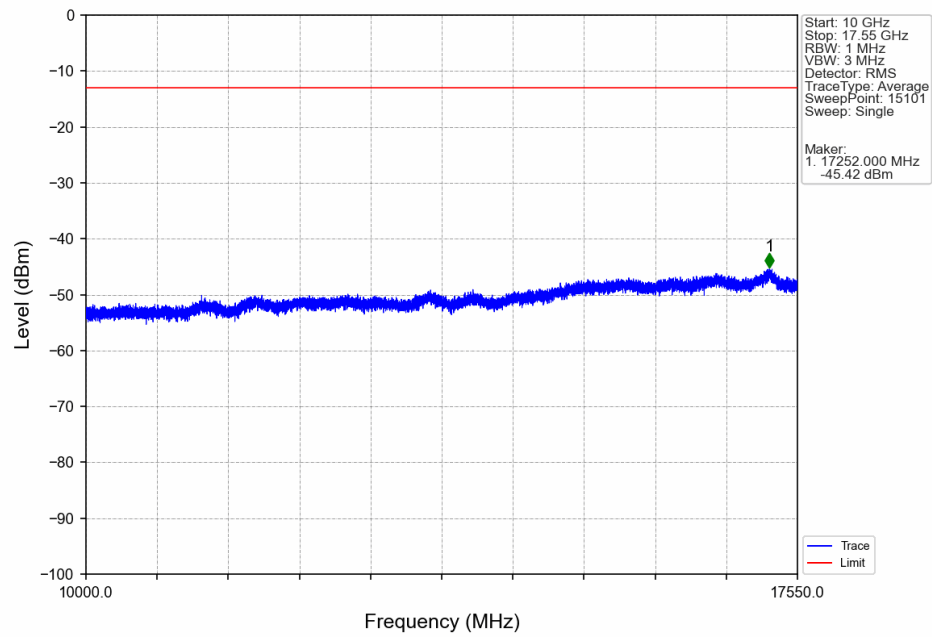


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.03	/	/	/	/	/	/
1755	1756	0.03	/	1	1755.018	-30.51	-13	Pass
1756	1758	1	CHP	2	1756.500	-22.74	-13	Pass

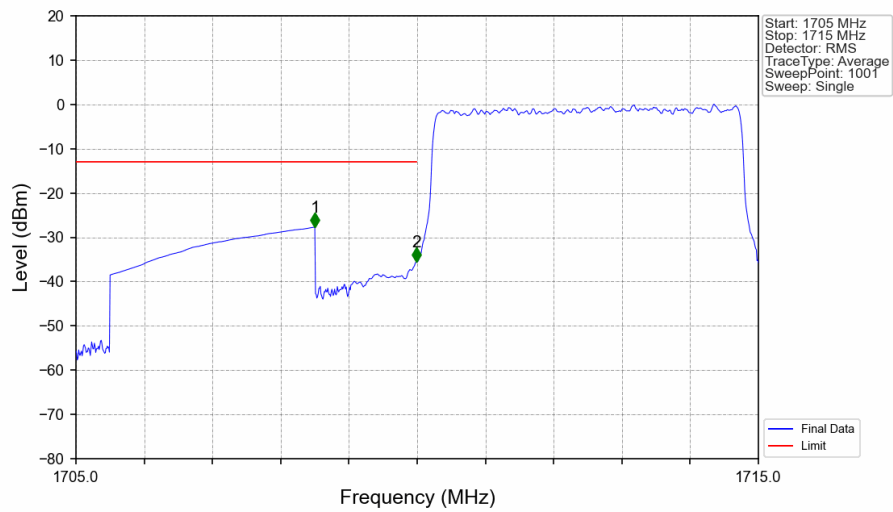
5.2.3 B4_5MHz



Band4 5MHz QPSK LCH 1712.5MHz RB 1 0 NTNV

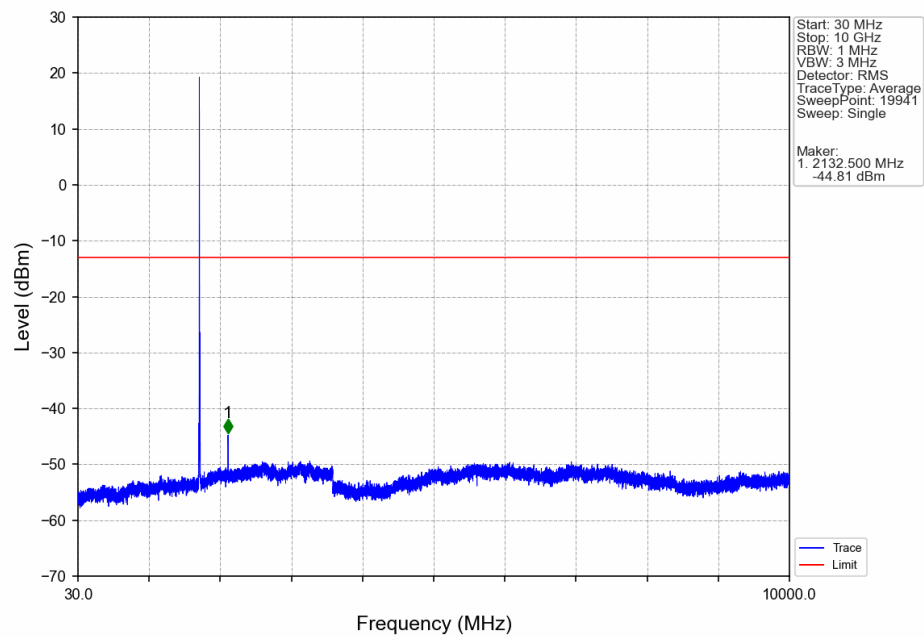


Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV

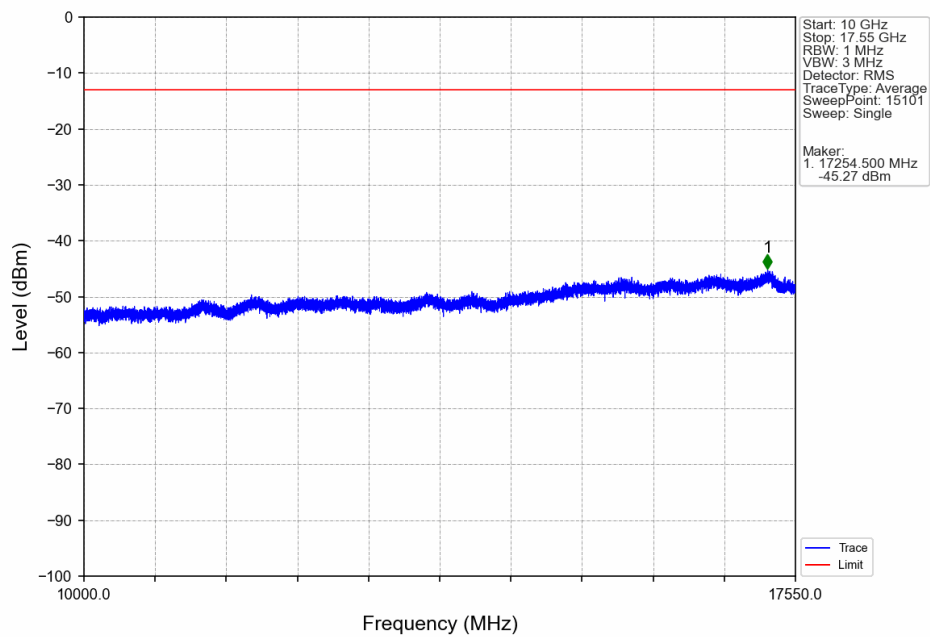


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-27.72	-13	Pass
1709	1710	0.05	CHP	2	1709.990	-35.52	-13	Pass
1710	1715	0.05	CHP	/	/	/	/	/

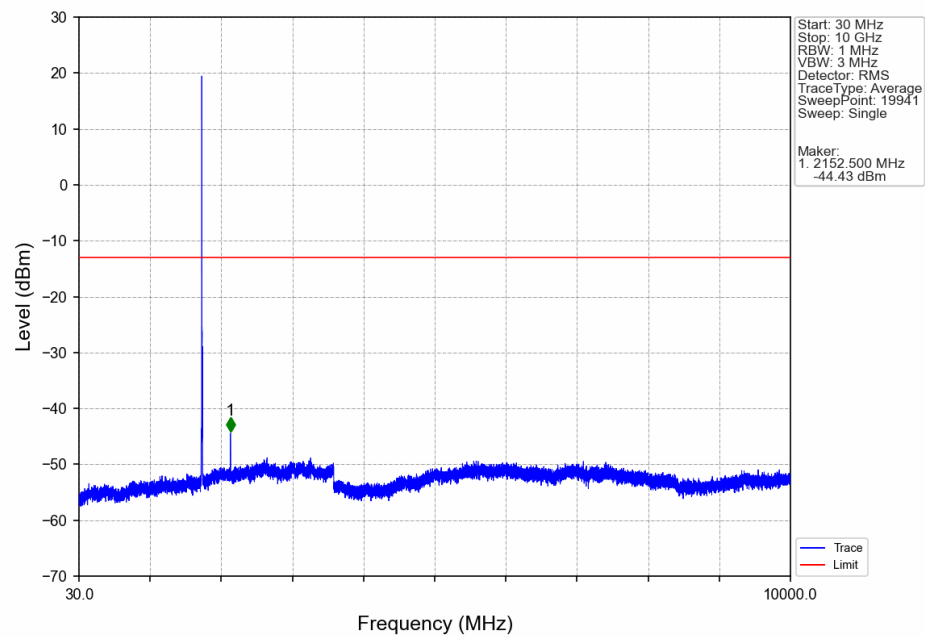
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



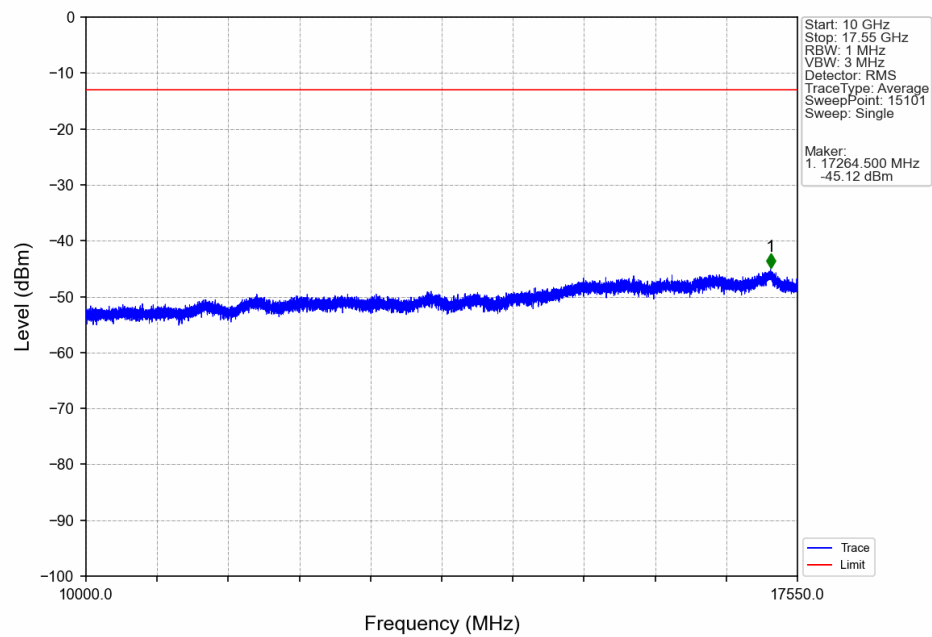
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



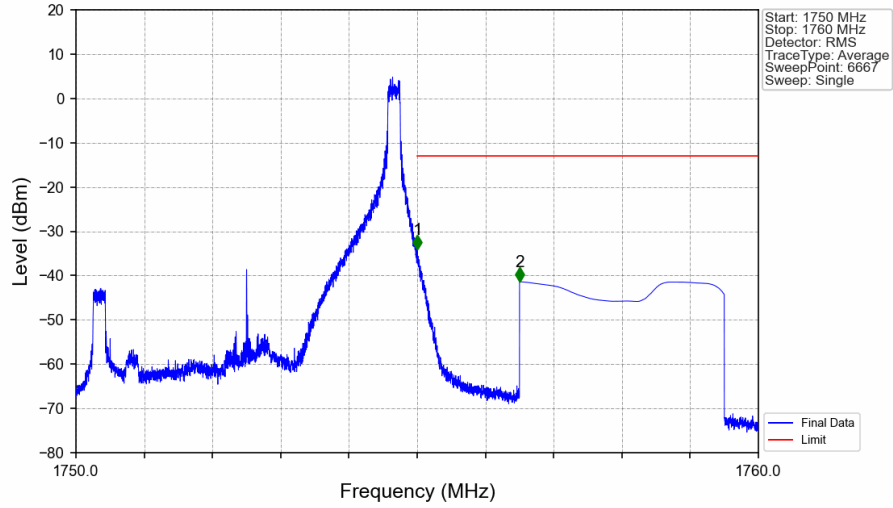
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN



Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN

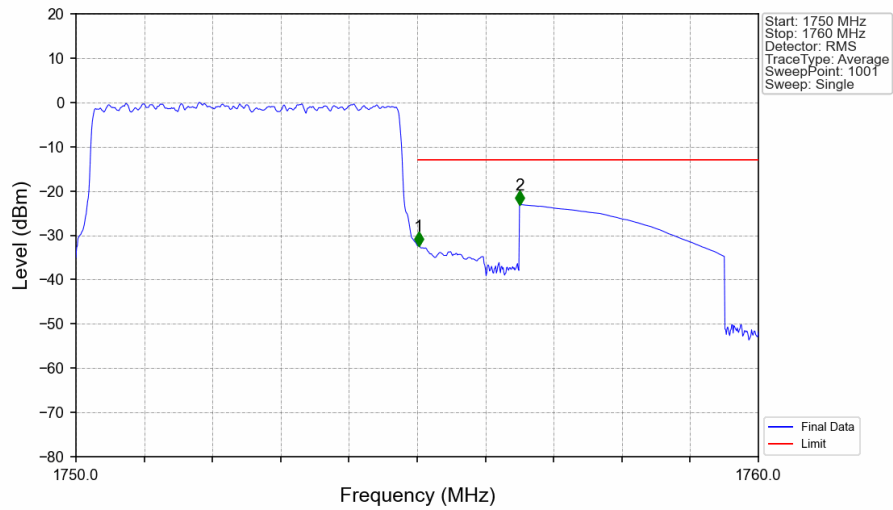


Band4 5MHz QPSK HCH 1752.5MHz RB 1 24 NTV



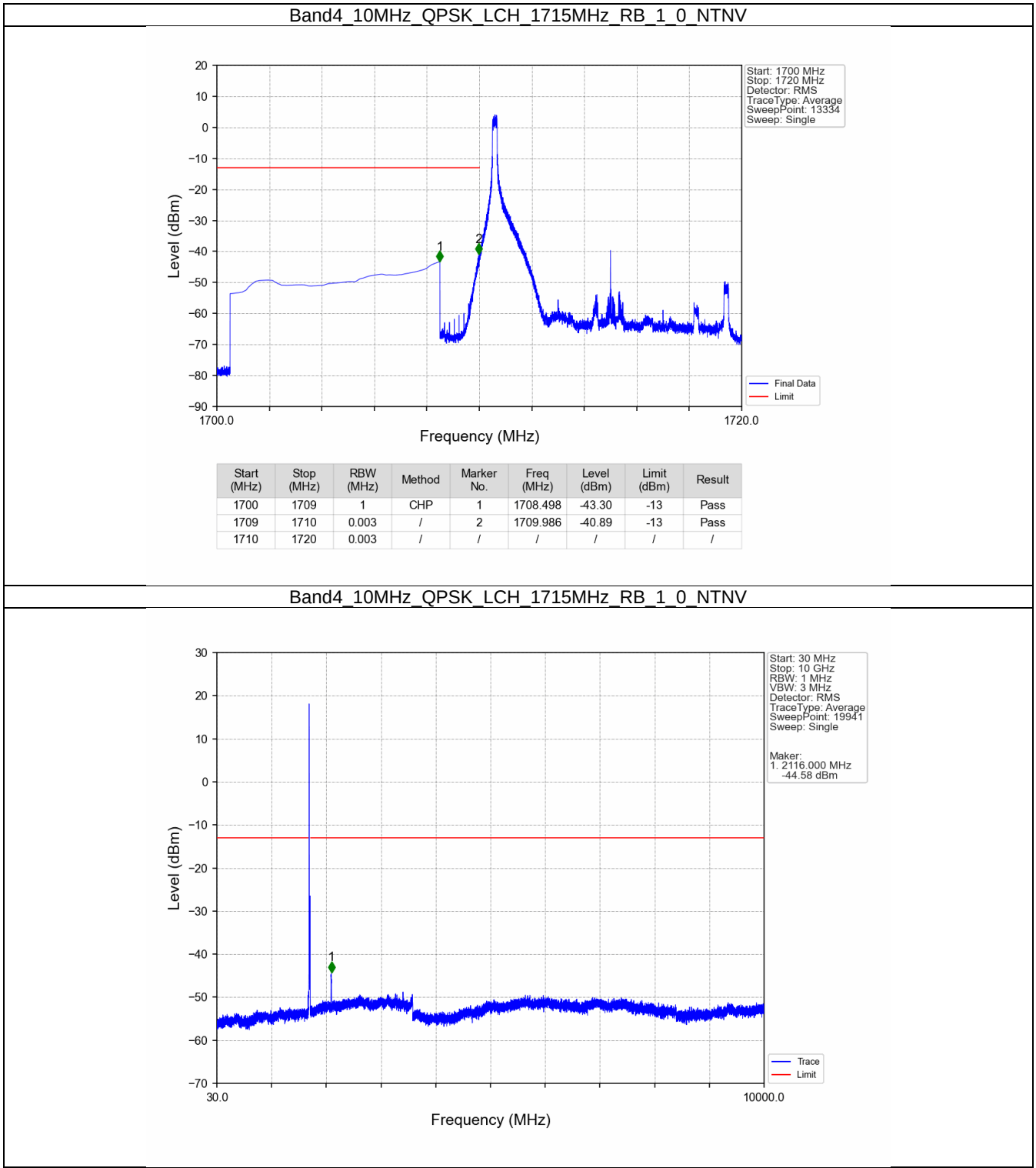
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-34.05	-13	Pass
1756	1760	1	CHP	2	1756.500	-41.40	-13	Pass

Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTV

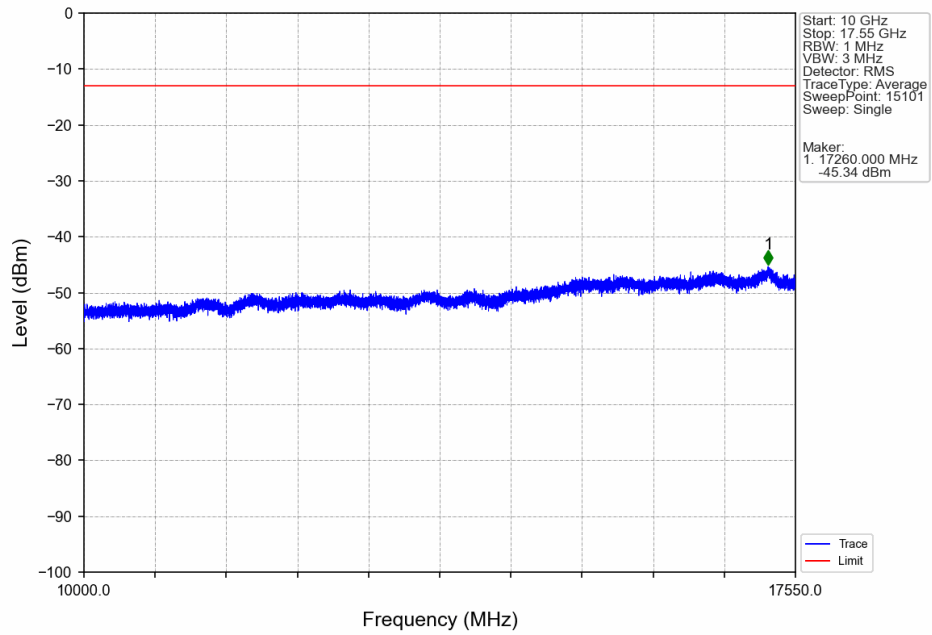


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.05	CHP	/	/	/	/	/
1755	1756	0.05	CHP	1	1755.020	-32.36	-13	Pass
1756	1760	1	CHP	2	1756.500	-23.07	-13	Pass

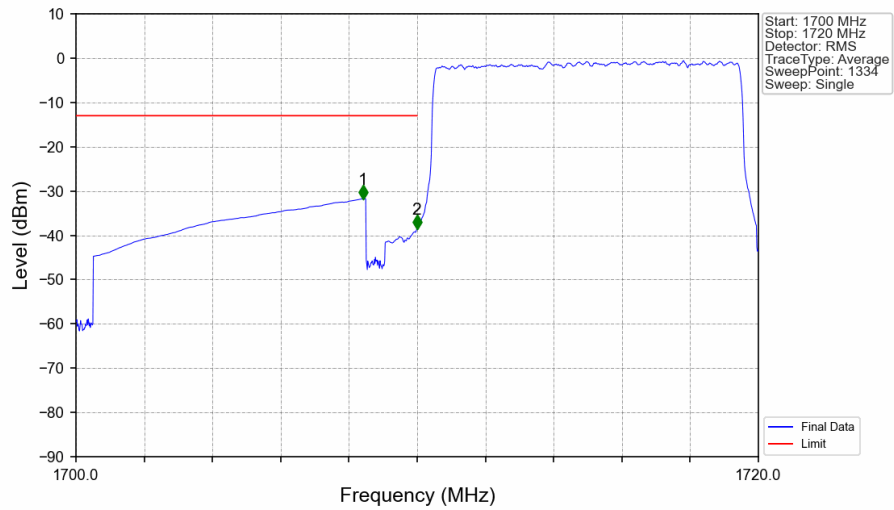
5.2.4 B4_10MHz



Band4 10MHz QPSK LCH 1715MHz RB 1 0 NTNV

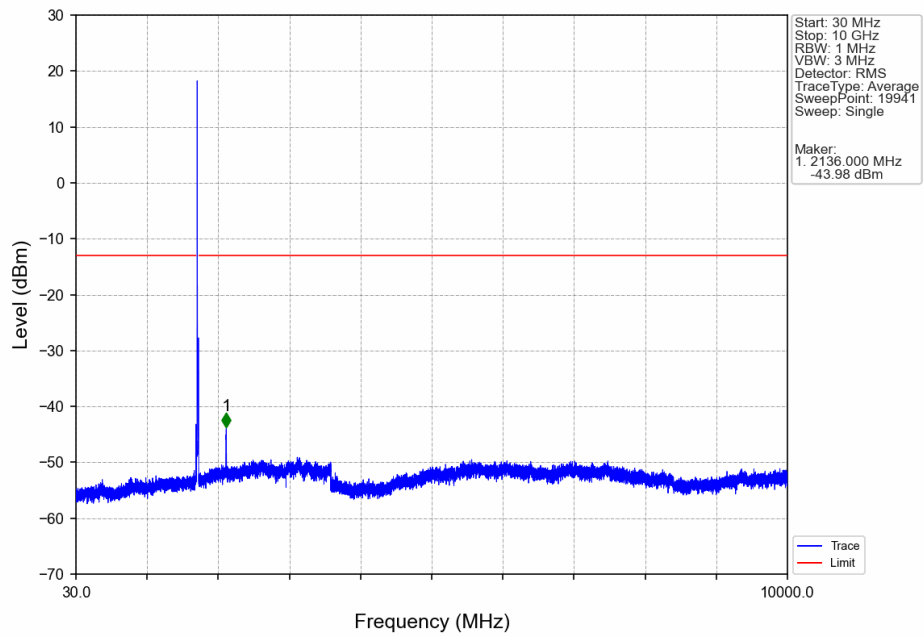


Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV

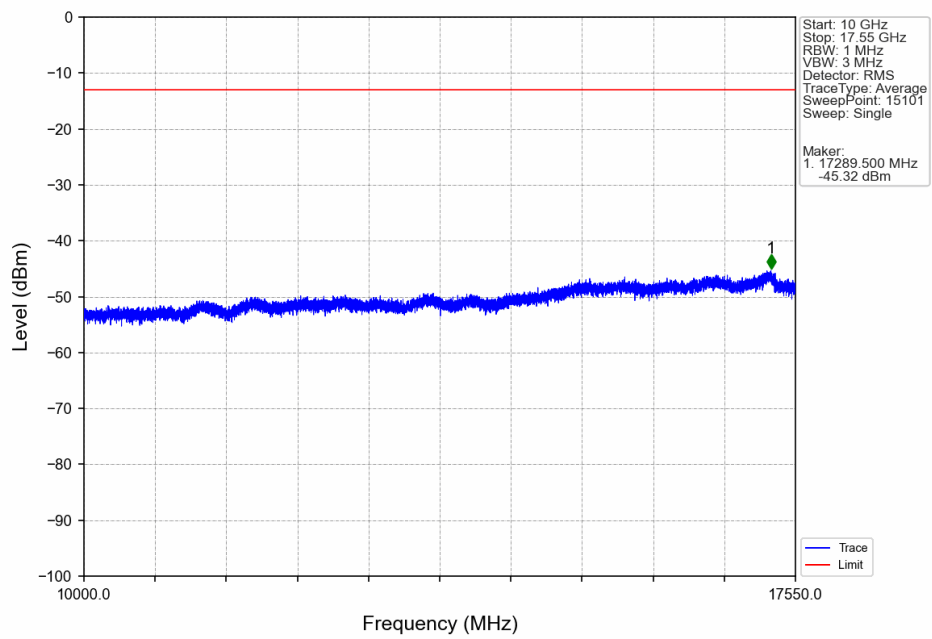


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.417	-31.78	-13	Pass
1709	1710	0.099	CHP	2	1709.992	-38.65	-13	Pass
1710	1720	0.099	CHP	/	/	/	/	/

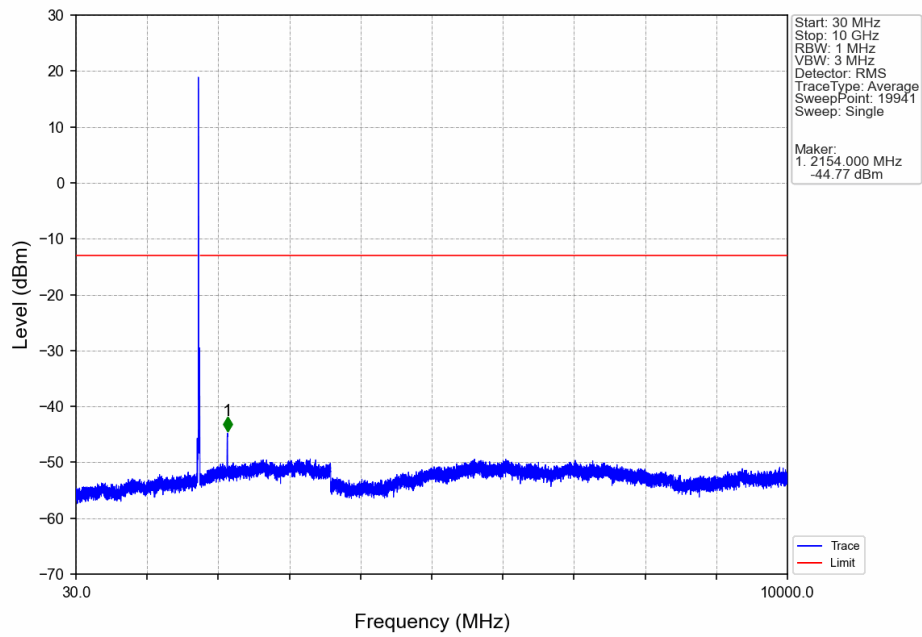
Band4 10MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



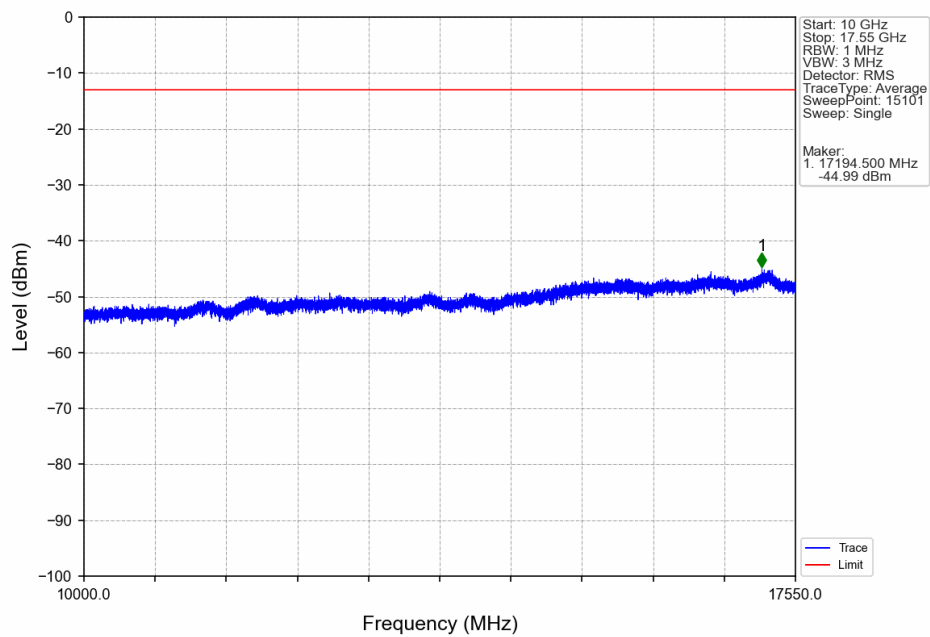
Band4 10MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



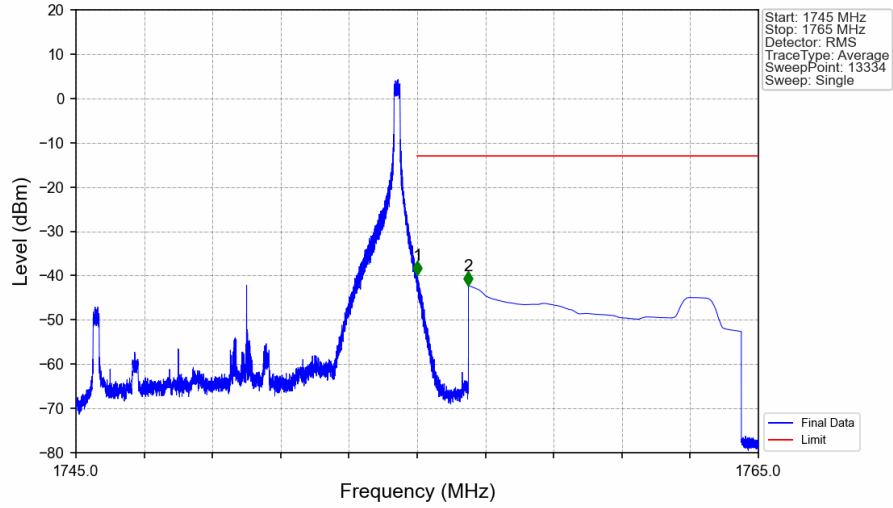
Band4 10MHz QPSK HCH 1750MHz RB 1 0 NTN



Band4 10MHz QPSK HCH 1750MHz RB 1 0 NTN

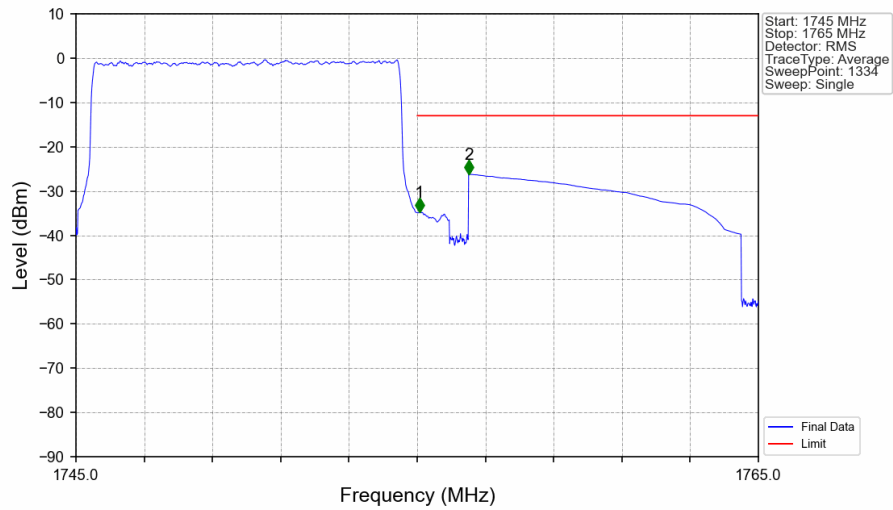


Band4 10MHz QPSK HCH 1750MHz RB 1 49 NTNV



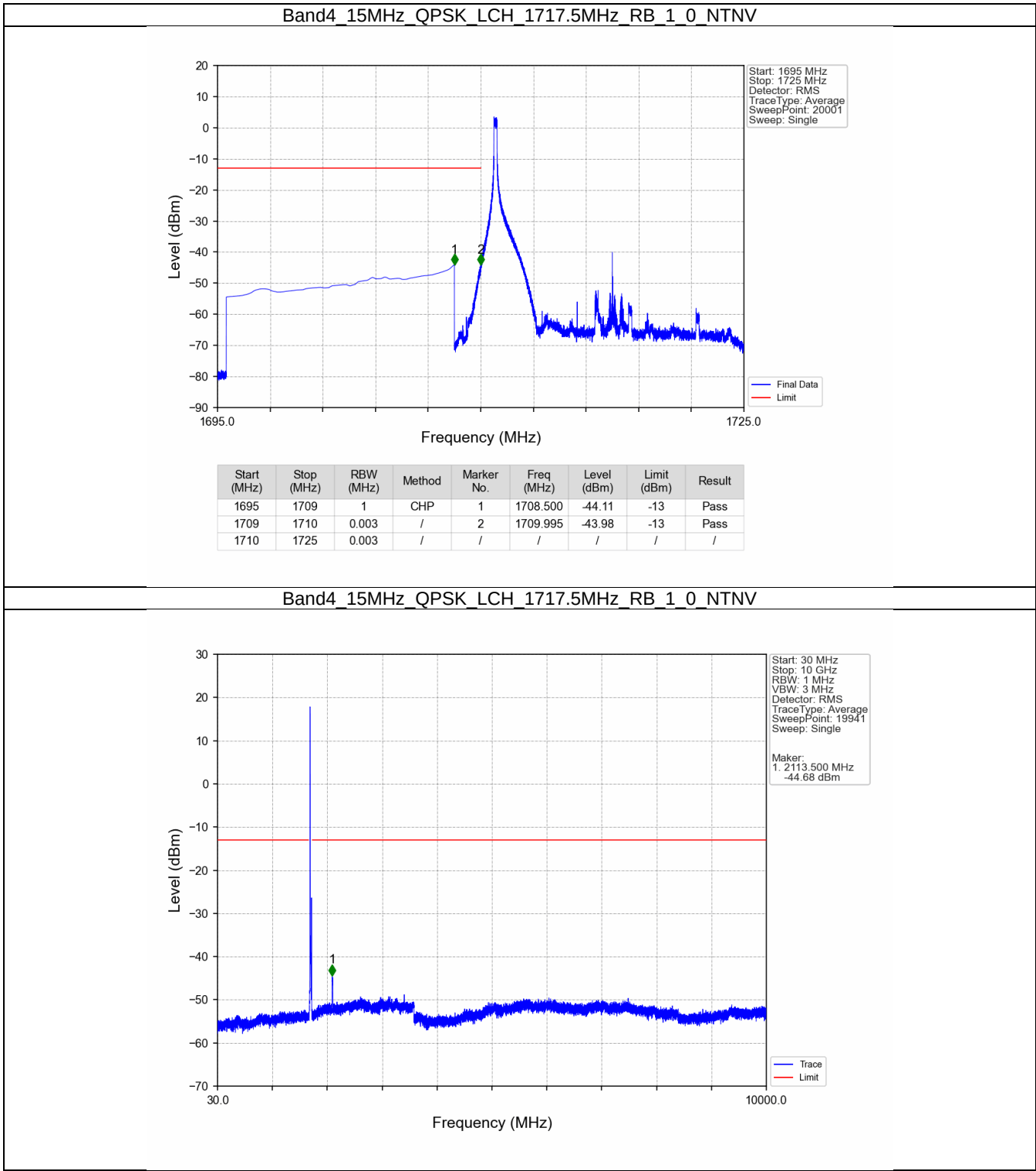
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.011	-39.80	-13	Pass
1756	1765	1	CHP	2	1756.501	-42.29	-13	Pass

Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV

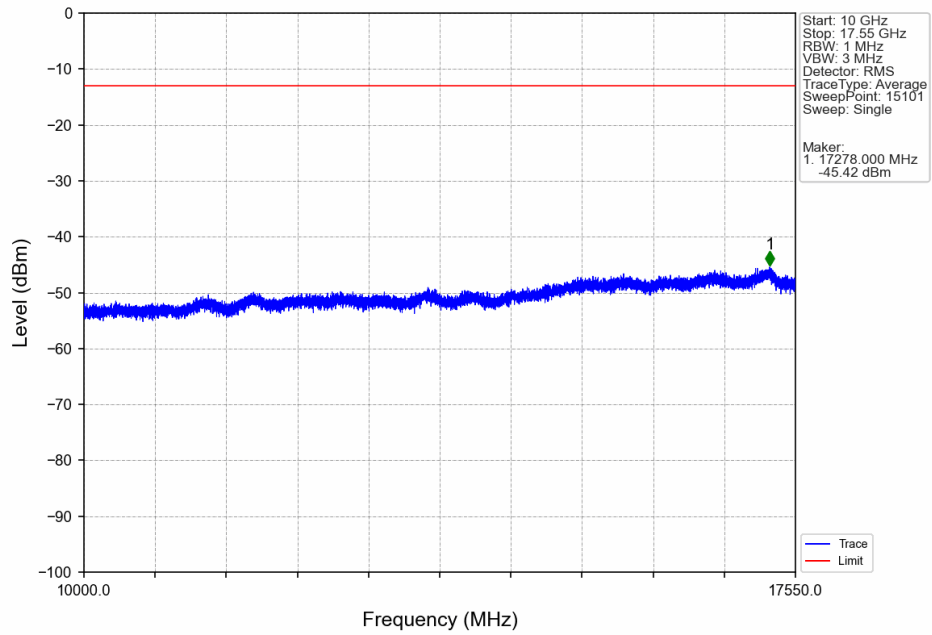


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.099	CHP	/	/	/	/	/
1755	1756	0.099	CHP	1	1755.068	-34.68	-13	Pass
1756	1765	1	CHP	2	1756.508	-26.23	-13	Pass

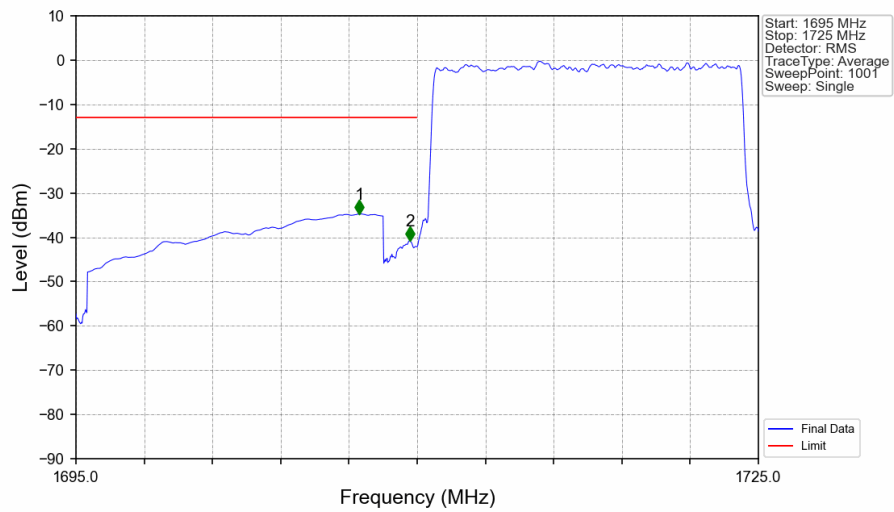
5.2.5 B4_15MHz



Band4 15MHz QPSK LCH 1717.5MHz RB 1 0 NTNV

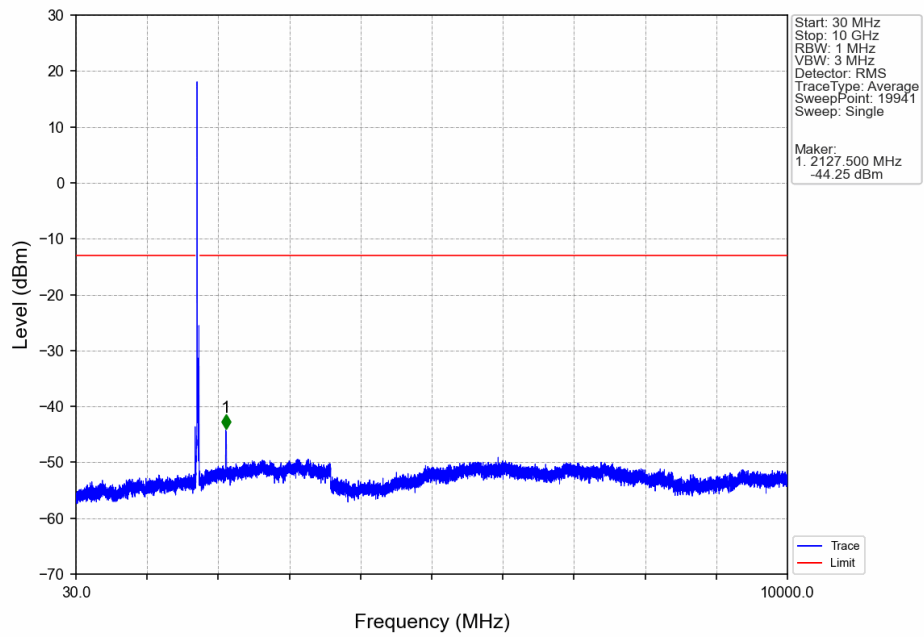


Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV

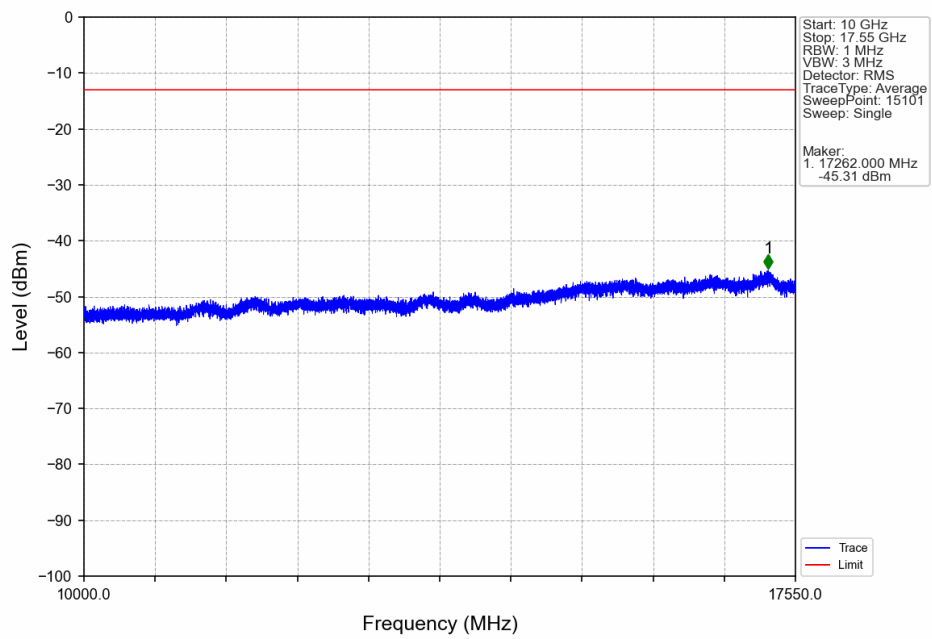


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.450	-34.74	-13	Pass
1709	1710	0.15	CHP	2	1709.670	-40.81	-13	Pass
1710	1725	0.15	CHP	/	/	/	/	/

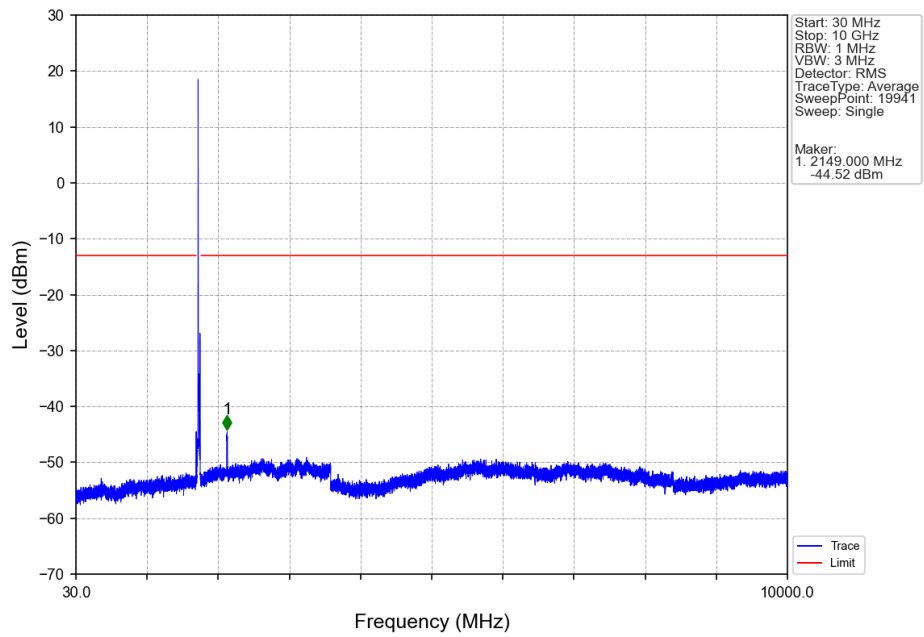
Band4 15MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



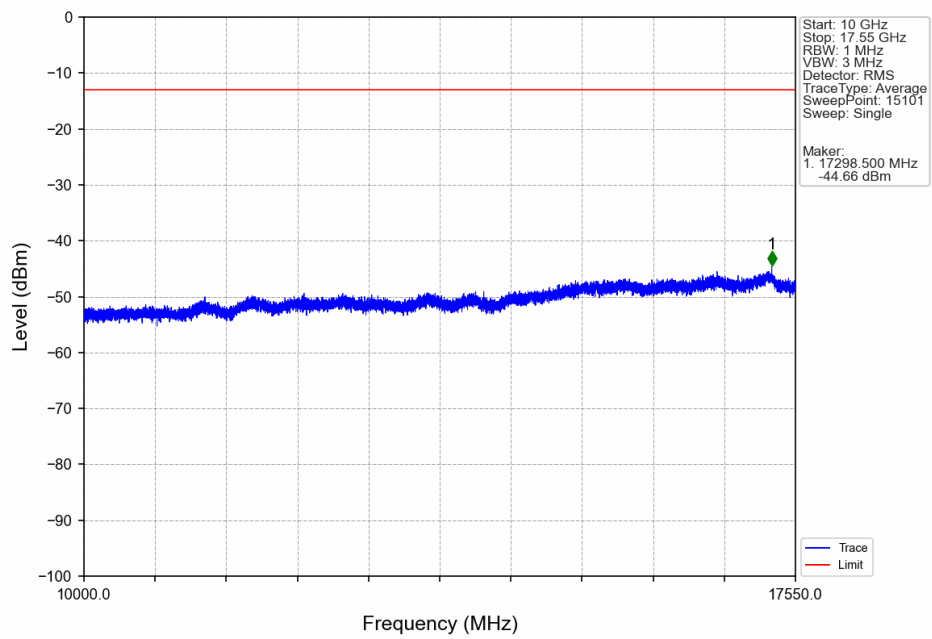
Band4 15MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



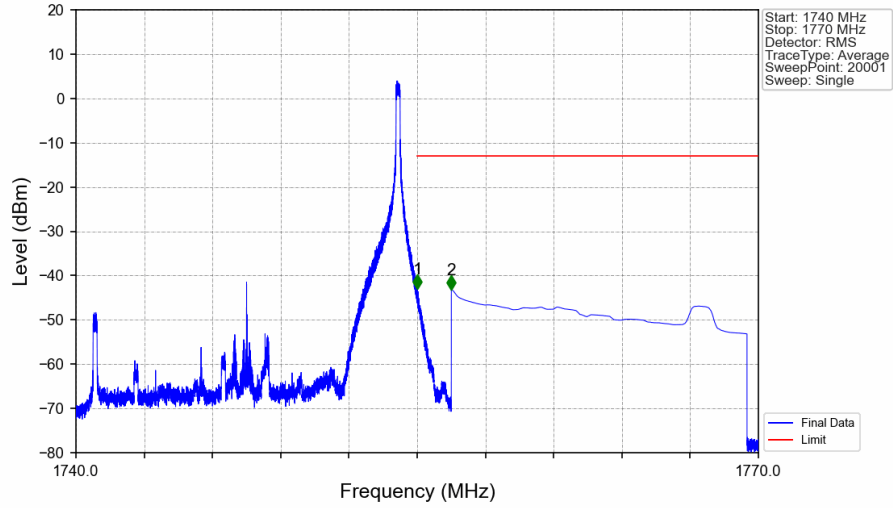
Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV



Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV

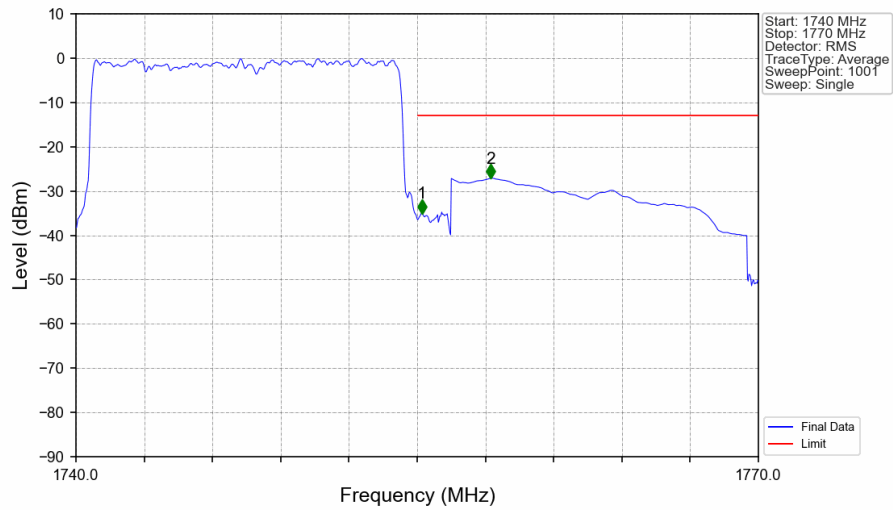


Band4 15MHz QPSK HCH 1747.5MHz RB 1 74 NTNV



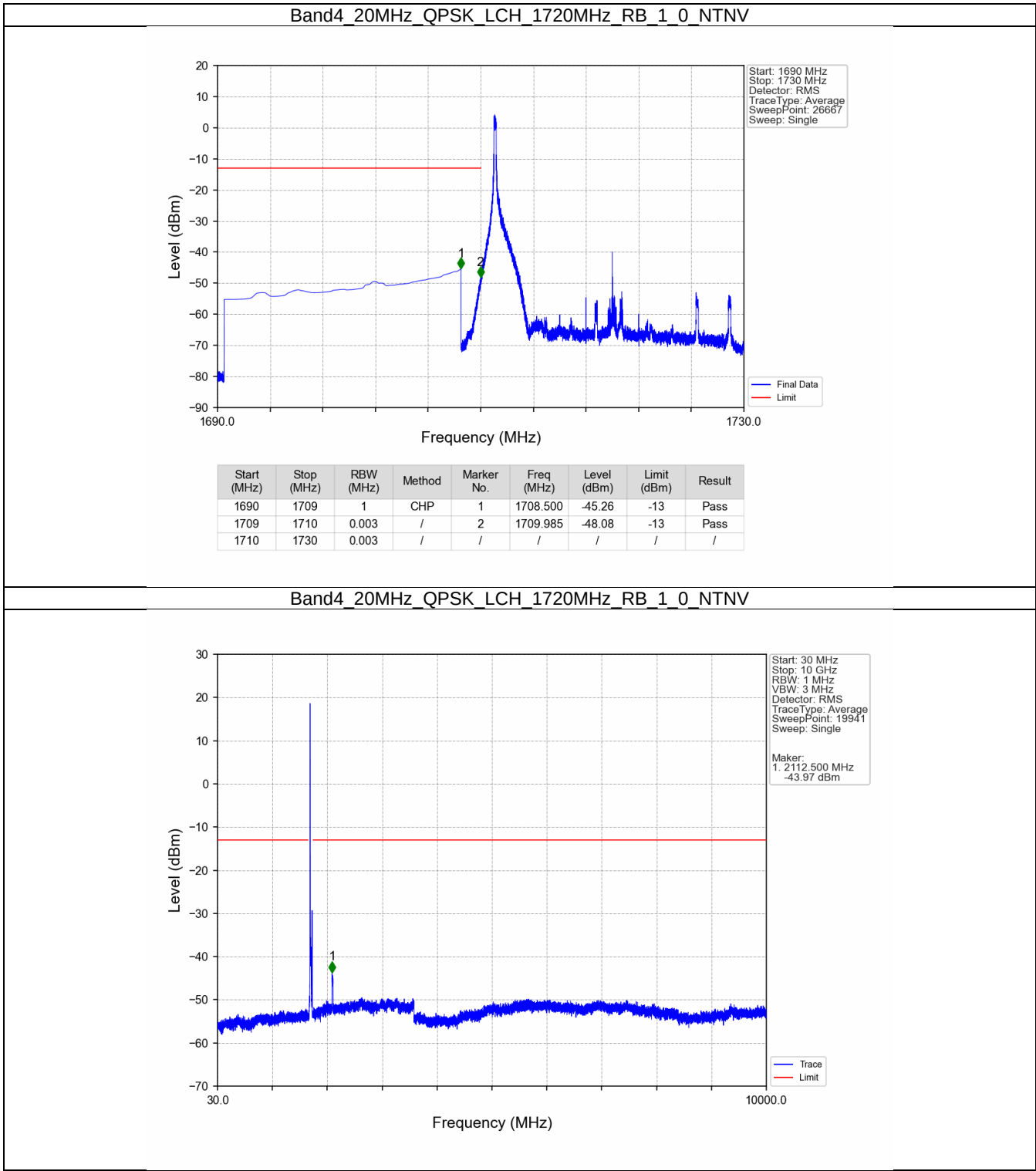
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-43.05	-13	Pass
1756	1770	1	CHP	2	1756.500	-43.14	-13	Pass

Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV

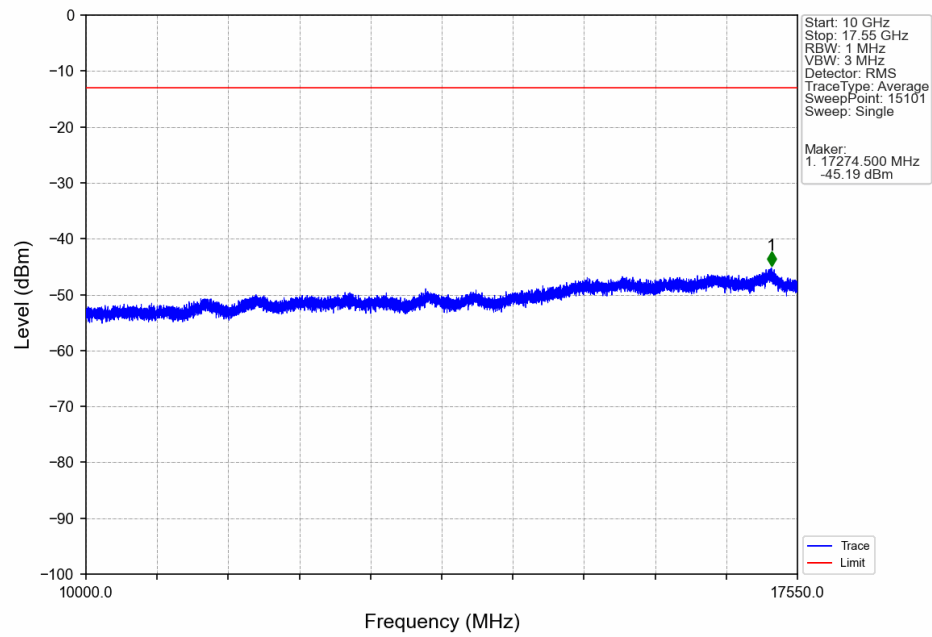


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.15	CHP	/	/	/	/	/
1755	1756	0.15	CHP	1	1755.210	-35.03	-13	Pass
1756	1770	1	CHP	2	1758.240	-27.09	-13	Pass

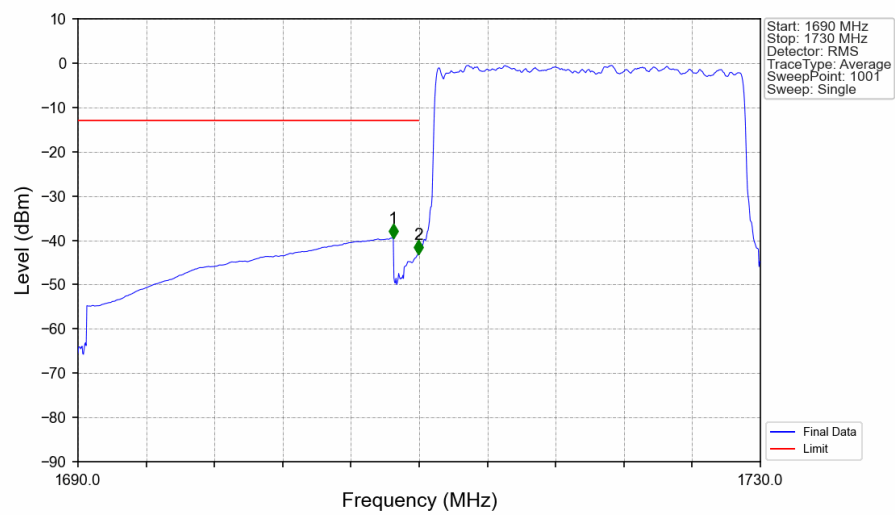
5.2.6 B4_20MHz



Band4 20MHz QPSK LCH 1720MHz RB 1 0 NTNV

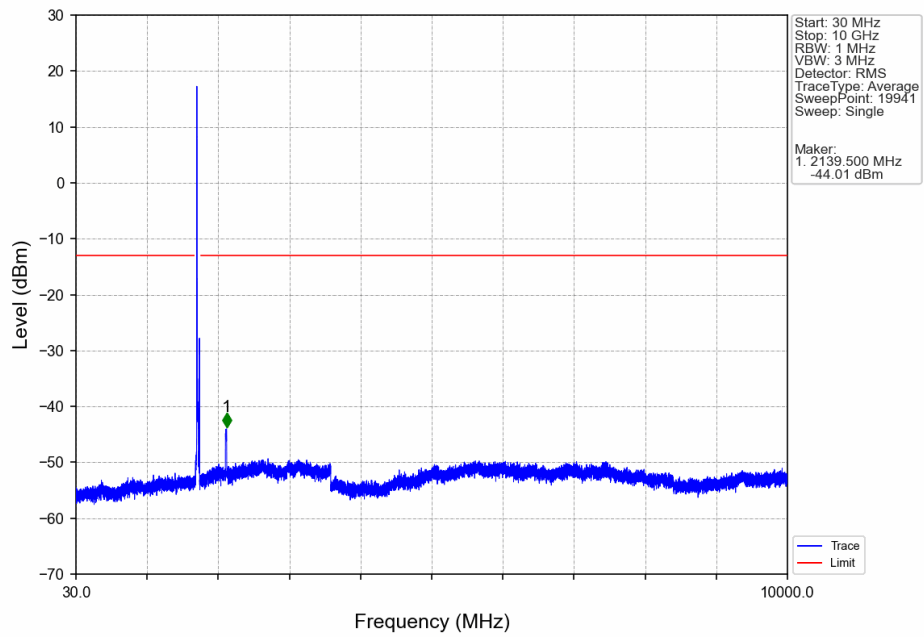


Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV

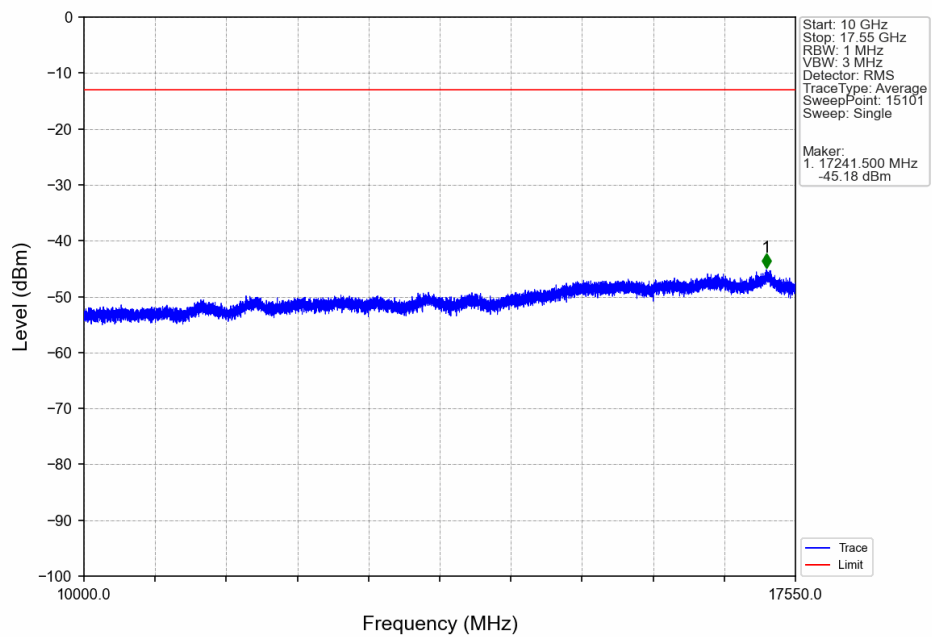


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-39.45	-13	Pass
1709	1710	0.197	CHP	2	1709.960	-43.13	-13	Pass
1710	1730	0.197	CHP	/	/	/	/	/

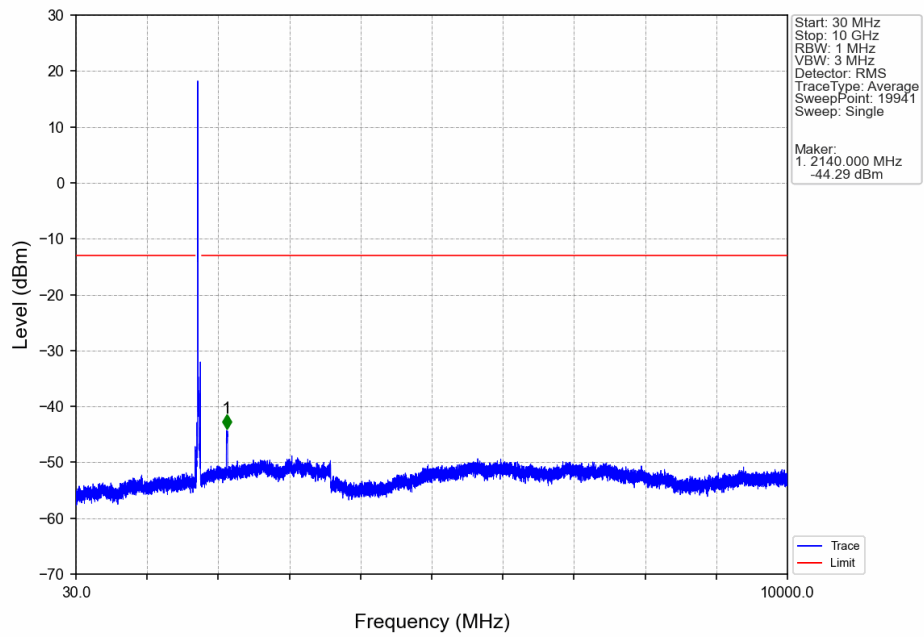
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



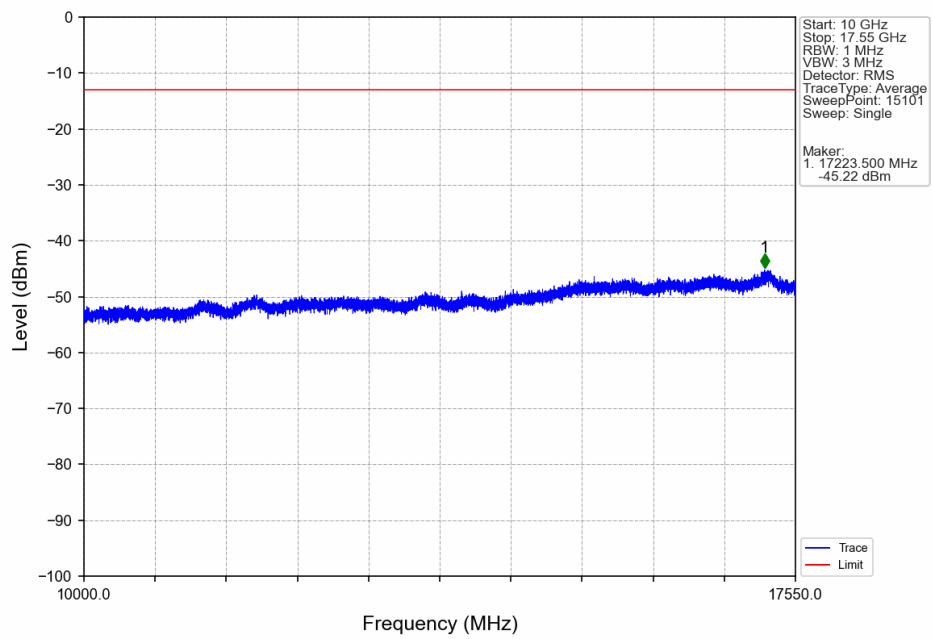
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



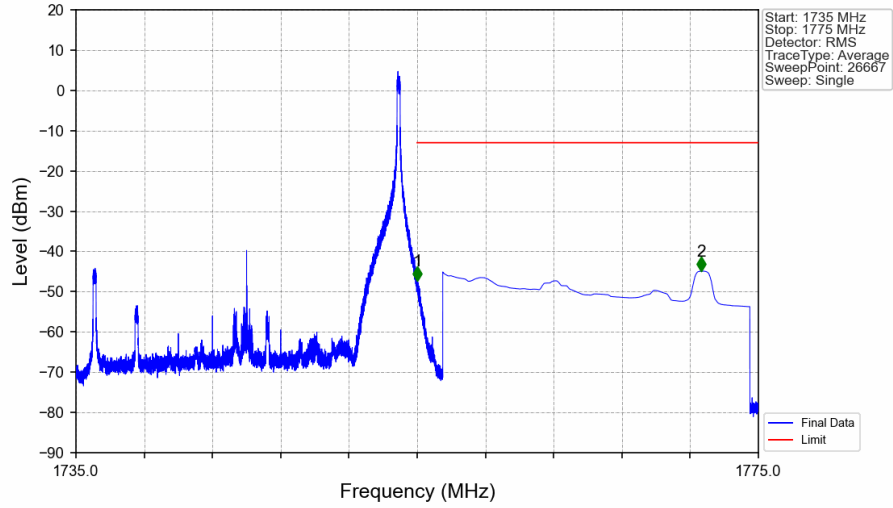
Band4 20MHz QPSK HCH 1745MHz RB 1 0 NTN



Band4 20MHz QPSK HCH 1745MHz RB 1 0 NTN

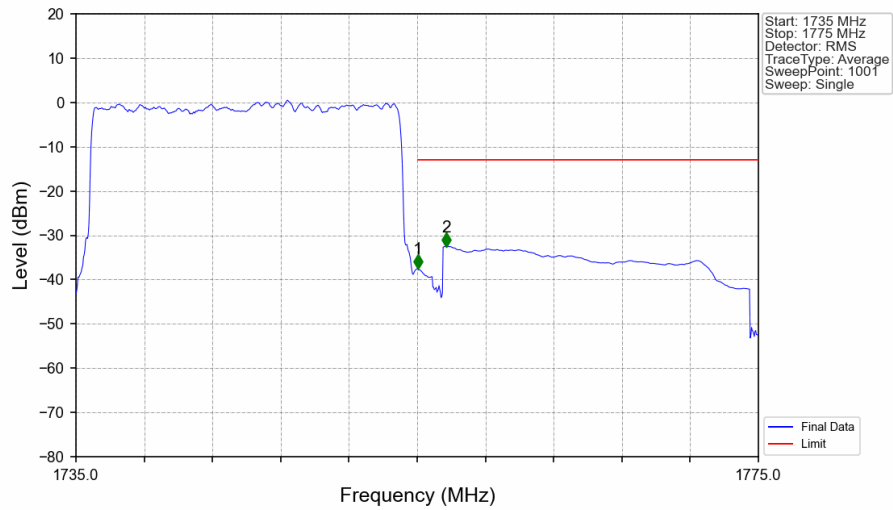


Band4 20MHz QPSK HCH 1745MHz RB 1 99 NTN



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	1755.018	-47.33	-13	Pass
1756	1775	1	CHP	2	1771.629	-44.91	-13	Pass

Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTN



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	-37.59	-13	Pass
1756	1775	1	CHP	2	1756.720	-32.50	-13	Pass

-The End-