

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	23.14	3.06	26.20	<=30	Pass
			2	23.13	3.06	26.19	<=30	Pass
			5	23.06	3.06	26.12	<=30	Pass
		3	0	23.14	3.06	26.20	<=30	Pass
			2	23.06	3.06	26.12	<=30	Pass
			3	23.07	3.06	26.13	<=30	Pass
		6	0	22.00	3.06	25.06	<=30	Pass
	1732.5	1	0	22.05	3.06	25.11	<=30	Pass
			2	22.19	3.06	25.25	<=30	Pass
			5	22.35	3.06	25.41	<=30	Pass
		3	0	22.25	3.06	25.31	<=30	Pass
			2	22.31	3.06	25.37	<=30	Pass
			3	22.25	3.06	25.31	<=30	Pass
		6	0	21.27	3.06	24.33	<=30	Pass
	1754.3	1	0	23.63	3.06	26.69	<=30	Pass
			2	23.65	3.06	26.71	<=30	Pass
			5	23.67	3.06	26.73	<=30	Pass
		3	0	23.60	3.06	26.66	<=30	Pass
			2	23.79	3.06	26.85	<=30	Pass
			3	23.80	3.06	26.86	<=30	Pass
		6	0	22.72	3.06	25.78	<=30	Pass
16QAM	1710.7	1	0	22.09	3.06	25.15	<=30	Pass
			2	22.04	3.06	25.10	<=30	Pass
			5	22.05	3.06	25.11	<=30	Pass
		3	0	22.11	3.06	25.17	<=30	Pass
			2	21.99	3.06	25.05	<=30	Pass
			3	22.02	3.06	25.08	<=30	Pass
		6	0	21.15	3.06	24.21	<=30	Pass
	1732.5	1	0	21.27	3.06	24.33	<=30	Pass
			2	21.31	3.06	24.37	<=30	Pass
			5	21.43	3.06	24.49	<=30	Pass
		3	0	21.23	3.06	24.29	<=30	Pass
			2	21.26	3.06	24.32	<=30	Pass
			3	21.23	3.06	24.29	<=30	Pass
		6	0	20.39	3.06	23.45	<=30	Pass
	1754.3	1	0	22.53	3.06	25.59	<=30	Pass
			2	22.45	3.06	25.51	<=30	Pass
			5	22.48	3.06	25.54	<=30	Pass
		3	0	22.65	3.06	25.71	<=30	Pass
			2	22.69	3.06	25.75	<=30	Pass
			3	22.69	3.06	25.75	<=30	Pass
		6	0	21.63	3.06	24.69	<=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	22.87	3.06	25.93	<=30	Pass
			7	22.93	3.06	25.99	<=30	Pass
			14	22.65	3.06	25.71	<=30	Pass

16QAM	1732.5	8	0	22.00	3.06	25.06	<=30	Pass
			4	22.00	3.06	25.06	<=30	Pass
			7	21.85	3.06	24.91	<=30	Pass
		15	0	21.87	3.06	24.93	<=30	Pass
			0	22.15	3.06	25.21	<=30	Pass
			7	22.39	3.06	25.45	<=30	Pass
		1	14	22.93	3.06	25.99	<=30	Pass
			0	21.55	3.06	24.61	<=30	Pass
			4	21.61	3.06	24.67	<=30	Pass
	1753.5	8	7	21.59	3.06	24.65	<=30	Pass
			0	21.56	3.06	24.62	<=30	Pass
			0	23.36	3.06	26.42	<=30	Pass
		1	7	23.58	3.06	26.64	<=30	Pass
			14	23.49	3.06	26.55	<=30	Pass
			0	22.40	3.06	25.46	<=30	Pass
		8	4	22.53	3.06	25.59	<=30	Pass
			7	22.51	3.06	25.57	<=30	Pass
			0	22.48	3.06	25.54	<=30	Pass
16QAM	1711.5	1	0	22.29	3.06	25.35	<=30	Pass
			7	22.23	3.06	25.29	<=30	Pass
			14	21.89	3.06	24.95	<=30	Pass
		8	0	21.08	3.06	24.14	<=30	Pass
			4	21.02	3.06	24.08	<=30	Pass
			7	20.91	3.06	23.97	<=30	Pass
		15	0	20.89	3.06	23.95	<=30	Pass
			0	21.20	3.06	24.26	<=30	Pass
			7	21.42	3.06	24.48	<=30	Pass
	1732.5	1	14	21.33	3.06	24.39	<=30	Pass
			0	20.42	3.06	23.48	<=30	Pass
			4	20.53	3.06	23.59	<=30	Pass
		8	7	20.51	3.06	23.57	<=30	Pass
			0	20.48	3.06	23.54	<=30	Pass
			0	22.35	3.06	25.41	<=30	Pass
		1	7	22.59	3.06	25.65	<=30	Pass
			14	22.56	3.06	25.62	<=30	Pass
			0	21.69	3.06	24.75	<=30	Pass
	1753.5	8	4	21.81	3.06	24.87	<=30	Pass
			7	21.78	3.06	24.84	<=30	Pass
			0	21.66	3.06	24.72	<=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	22.79	3.06	25.85	<=30	Pass
			13	22.60	3.06	25.66	<=30	Pass
			24	22.26	3.06	25.32	<=30	Pass
		12	0	21.70	3.06	24.76	<=30	Pass
			6	21.49	3.06	24.55	<=30	Pass
			13	21.40	3.06	24.46	<=30	Pass
		25	0	21.54	3.06	24.60	<=30	Pass
			0	22.77	3.06	25.83	<=30	Pass
			13	22.81	3.06	25.87	<=30	Pass
	1732.5	1	24	22.87	3.06	25.93	<=30	Pass
			0	21.47	3.06	24.53	<=30	Pass
			6	21.52	3.06	24.58	<=30	Pass
		12	13	21.61	3.06	24.67	<=30	Pass
			0	21.54	3.06	24.60	<=30	Pass
			0	23.30	3.06	26.36	<=30	Pass
		1	13	23.44	3.06	26.50	<=30	Pass

16QAM		12	24	23.51	3.06	26.57	<=30	Pass
			0	22.39	3.06	25.45	<=30	Pass
			6	22.46	3.06	25.52	<=30	Pass
			13	22.58	3.06	25.64	<=30	Pass
		25	0	22.54	3.06	25.60	<=30	Pass
			0	22.16	3.06	25.22	<=30	Pass
			13	21.76	3.06	24.82	<=30	Pass
			24	21.30	3.06	24.36	<=30	Pass
	1712.5	1	0	20.78	3.06	23.84	<=30	Pass
			6	20.50	3.06	23.56	<=30	Pass
			13	20.30	3.06	23.36	<=30	Pass
			0	20.65	3.06	23.71	<=30	Pass
	1732.5	1	0	21.48	3.06	24.54	<=30	Pass
			13	21.61	3.06	24.67	<=30	Pass
			24	21.72	3.06	24.78	<=30	Pass
			0	20.39	3.06	23.45	<=30	Pass
	1752.5	12	6	20.47	3.06	23.53	<=30	Pass
			13	20.60	3.06	23.66	<=30	Pass
			0	20.53	3.06	23.59	<=30	Pass
			0	22.54	3.06	25.60	<=30	Pass
		1	13	22.67	3.06	25.73	<=30	Pass
			24	22.75	3.06	25.81	<=30	Pass
			0	21.55	3.06	24.61	<=30	Pass
			6	21.72	3.06	24.78	<=30	Pass
		12	13	21.82	3.06	24.88	<=30	Pass
			0	21.79	3.06	24.85	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

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	22.84	3.06	25.90	<=30	Pass
			25	22.18	3.06	25.24	<=30	Pass
			49	21.93	3.06	24.99	<=30	Pass
		25	0	21.60	3.06	24.66	<=30	Pass
			13	21.22	3.06	24.28	<=30	Pass
			25	21.21	3.06	24.27	<=30	Pass
	1732.5	50	0	21.33	3.06	24.39	<=30	Pass
		1	0	22.57	3.06	25.63	<=30	Pass
			25	22.76	3.06	25.82	<=30	Pass
			49	23.02	3.06	26.08	<=30	Pass
		25	0	21.33	3.06	24.39	<=30	Pass
			13	21.48	3.06	24.54	<=30	Pass
			25	21.65	3.06	24.71	<=30	Pass
		50	0	21.33	3.06	24.39	<=30	Pass
	1750	1	0	23.11	3.06	26.17	<=30	Pass
			25	23.28	3.06	26.34	<=30	Pass
			49	23.51	3.06	26.57	<=30	Pass
		25	0	22.17	3.06	25.23	<=30	Pass
			13	22.30	3.06	25.36	<=30	Pass
			25	22.41	3.06	25.47	<=30	Pass
		50	0	22.32	3.06	25.38	<=30	Pass
16QAM	1715	1	0	21.77	3.06	24.83	<=30	Pass
			25	21.05	3.06	24.11	<=30	Pass
			49	20.65	3.06	23.71	<=30	Pass
		12	0	21.73	3.06	24.79	<=30	Pass
			19	21.17	3.06	24.23	<=30	Pass
			38	20.90	3.06	23.96	<=30	Pass
		27	0	20.50	3.06	23.56	<=30	Pass
	1732.5	1	0	20.99	3.06	24.05	<=30	Pass

			25	21.30	3.06	24.36	<=30	Pass
			49	21.63	3.06	24.69	<=30	Pass
			0	21.04	3.06	24.10	<=30	Pass
		12	19	21.24	3.06	24.30	<=30	Pass
			38	21.56	3.06	24.62	<=30	Pass
			27	0	3.06	23.34	<=30	Pass
	1750	1	0	22.29	3.06	25.35	<=30	Pass
			25	22.47	3.06	25.53	<=30	Pass
			49	22.69	3.06	25.75	<=30	Pass
		12	0	22.23	3.06	25.29	<=30	Pass
			19	22.35	3.06	25.41	<=30	Pass
			38	22.57	3.06	25.63	<=30	Pass
		27	23	21.47	3.06	24.53	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.11	3.06	26.17	<=30	Pass
			38	22.11	3.06	25.17	<=30	Pass
			74	22.05	3.06	25.11	<=30	Pass
		36	0	21.66	3.06	24.72	<=30	Pass
			18	21.22	3.06	24.28	<=30	Pass
			39	21.09	3.06	24.15	<=30	Pass
		75	0	21.37	3.06	24.43	<=30	Pass
	1732.5	1	0	21.91	3.06	24.97	<=30	Pass
			38	22.34	3.06	25.40	<=30	Pass
			74	22.81	3.06	25.87	<=30	Pass
		36	0	21.18	3.06	24.24	<=30	Pass
			18	21.42	3.06	24.48	<=30	Pass
			39	21.63	3.06	24.69	<=30	Pass
		75	0	21.40	3.06	24.46	<=30	Pass
	1747.5	1	0	22.87	3.06	25.93	<=30	Pass
			38	23.56	3.06	26.62	<=30	Pass
			74	23.63	3.06	26.69	<=30	Pass
		36	0	22.11	3.06	25.17	<=30	Pass
			18	22.31	3.06	25.37	<=30	Pass
			39	22.46	3.06	25.52	<=30	Pass
		75	0	22.12	3.06	25.18	<=30	Pass
16QAM	1717.5	1	0	22.39	3.06	25.45	<=30	Pass
			38	21.42	3.06	24.48	<=30	Pass
			74	21.30	3.06	24.36	<=30	Pass
		12	0	22.00	3.06	25.06	<=30	Pass
			31	21.22	3.06	24.28	<=30	Pass
			63	21.11	3.06	24.17	<=30	Pass
		27	0	20.83	3.06	23.89	<=30	Pass
	1732.5	1	0	21.07	3.06	24.13	<=30	Pass
			38	21.41	3.06	24.47	<=30	Pass
			74	21.95	3.06	25.01	<=30	Pass
		12	0	21.03	3.06	24.09	<=30	Pass
			31	21.33	3.06	24.39	<=30	Pass
			63	21.89	3.06	24.95	<=30	Pass
		27	0	20.36	3.06	23.42	<=30	Pass
	1747.5	1	0	21.82	3.06	24.88	<=30	Pass
			38	22.45	3.06	25.51	<=30	Pass
			74	22.88	3.06	25.94	<=30	Pass
		12	0	21.67	3.06	24.73	<=30	Pass
			31	22.37	3.06	25.43	<=30	Pass
			63	22.54	3.06	25.60	<=30	Pass
		27	48	21.50	3.06	24.56	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain
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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	22.90	3.06	25.96	<=30	Pass
			50	21.79	3.06	24.85	<=30	Pass
			99	22.08	3.06	25.14	<=30	Pass
		50	0	21.44	3.06	24.50	<=30	Pass
			25	20.87	3.06	23.93	<=30	Pass
			50	21.06	3.06	24.12	<=30	Pass
		100	0	21.12	3.06	24.18	<=30	Pass
	1732.5	1	0	21.78	3.06	24.84	<=30	Pass
			50	22.24	3.06	25.30	<=30	Pass
			99	22.79	3.06	25.85	<=30	Pass
		50	0	21.13	3.06	24.19	<=30	Pass
			25	21.40	3.06	24.46	<=30	Pass
			50	21.79	3.06	24.85	<=30	Pass
		100	0	21.43	3.06	24.49	<=30	Pass
	1745	1	0	22.43	3.06	25.49	<=30	Pass
			50	23.05	3.06	26.11	<=30	Pass
			99	23.44	3.06	26.50	<=30	Pass
		50	0	21.57	3.06	24.63	<=30	Pass
			25	22.05	3.06	25.11	<=30	Pass
			50	22.36	3.06	25.42	<=30	Pass
		100	0	22.11	3.06	25.17	<=30	Pass
16QAM	1720	1	0	22.18	3.06	25.24	<=30	Pass
			50	21.35	3.06	24.41	<=30	Pass
			99	21.51	3.06	24.57	<=30	Pass
		12	0	21.87	3.06	24.93	<=30	Pass
			44	20.86	3.06	23.92	<=30	Pass
			88	20.95	3.06	24.01	<=30	Pass
		27	0	20.58	3.06	23.64	<=30	Pass
	1732.5	1	0	21.35	3.06	24.41	<=30	Pass
			50	21.69	3.06	24.75	<=30	Pass
			99	22.37	3.06	25.43	<=30	Pass
		12	0	21.11	3.06	24.17	<=30	Pass
			44	21.39	3.06	24.45	<=30	Pass
			88	21.95	3.06	25.01	<=30	Pass
		27	0	20.26	3.06	23.32	<=30	Pass
	1745	1	0	21.77	3.06	24.83	<=30	Pass
			50	22.45	3.06	25.51	<=30	Pass
			99	23.03	3.06	26.09	<=30	Pass
		12	0	21.52	3.06	24.58	<=30	Pass
			44	22.10	3.06	25.16	<=30	Pass
			88	22.64	3.06	25.70	<=30	Pass
		27	73	21.62	3.06	24.68	<=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	3.27	0.601	0.0003	-2.5 to 2.5	Pass
					3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
					4.43	0.486	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.916	0.0005	-2.5 to 2.5	Pass
				30	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.187	0.0007	-2.5 to 2.5	Pass
				50	3.85	0.529	0.0003	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

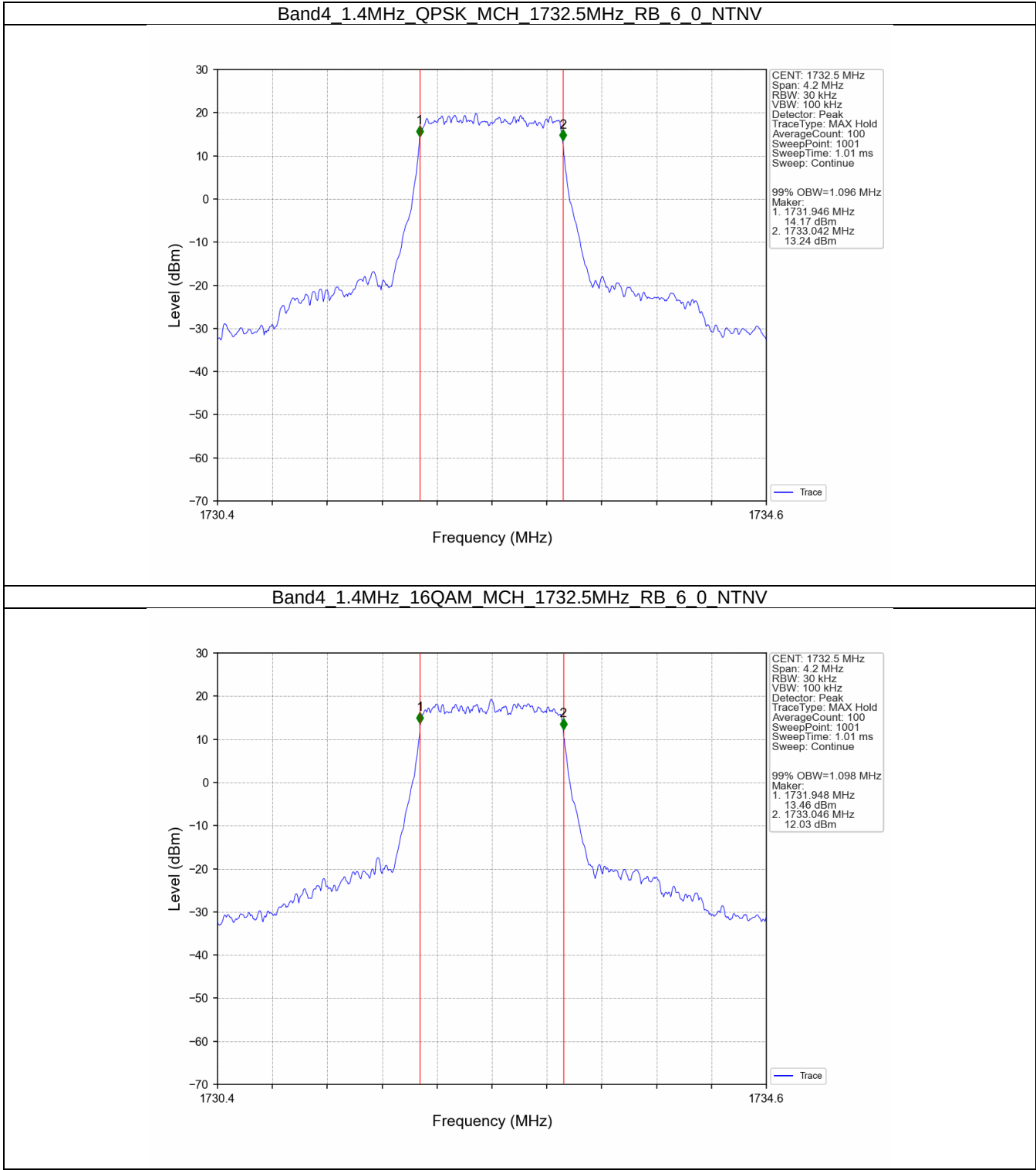
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.096	/	Pass
	16QAM	1732.5	6	0	1.098	/	Pass
3	QPSK	1732.5	15	0	2.755	/	Pass
	16QAM	1732.5	15	0	2.721	/	Pass
5	QPSK	1732.5	25	0	4.499	/	Pass
	16QAM	1732.5	25	0	4.513	/	Pass
10	QPSK	1732.5	50	0	9.017	/	Pass
	16QAM	1732.5	27	0	5.011	/	Pass
15	QPSK	1732.5	75	0	13.470	/	Pass
	16QAM	1732.5	27	0	4.970	/	Pass
20	QPSK	1732.5	100	0	17.987	/	Pass
	16QAM	1732.5	27	0	4.991	/	Pass

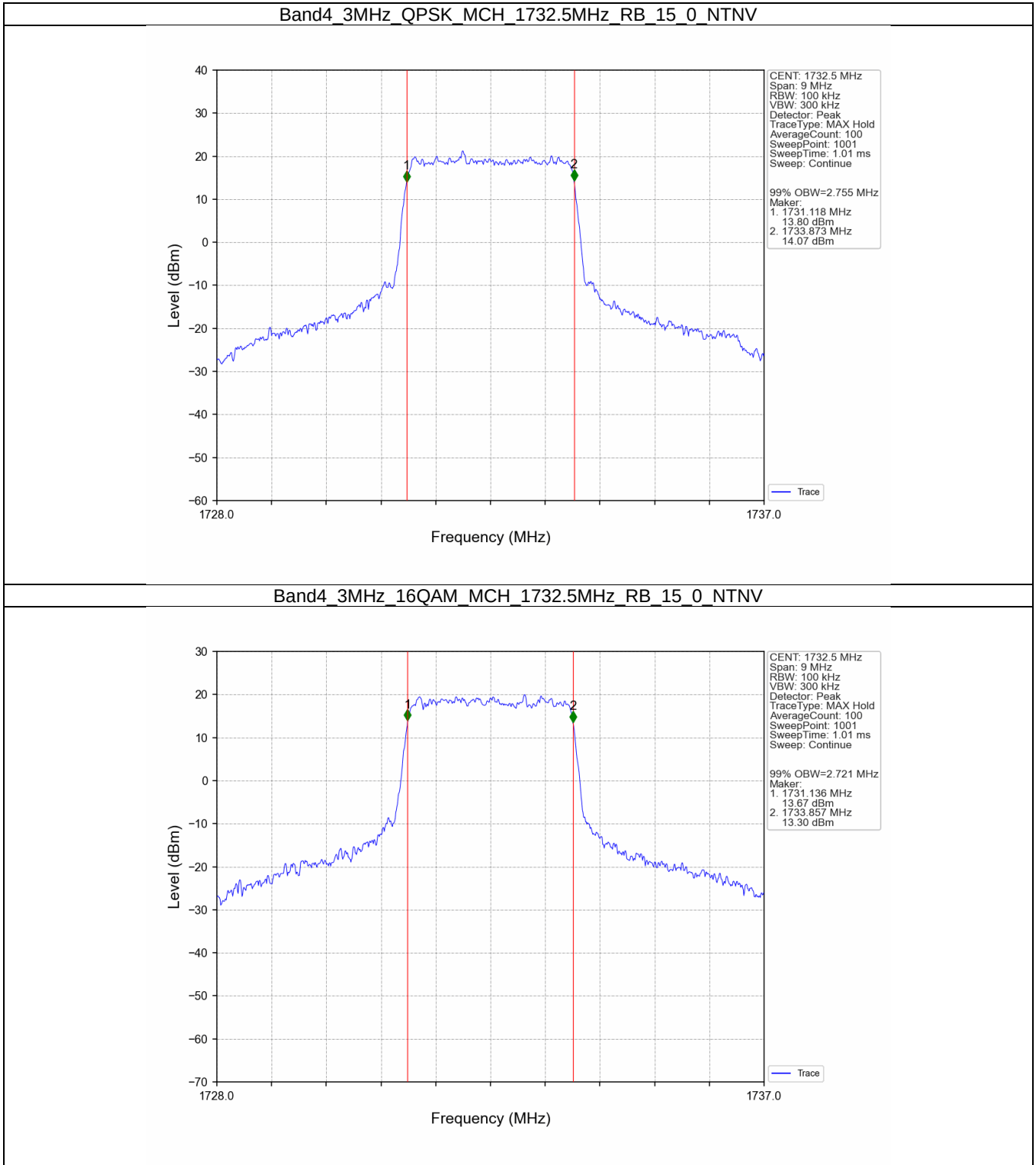
3.1.2 Band4_XDB

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	1.308	/	Pass
	16QAM	1732.5	6	0	1.306	/	Pass
3	QPSK	1732.5	15	0	3.047	/	Pass
	16QAM	1732.5	15	0	3.047	/	Pass
5	QPSK	1732.5	25	0	4.990	/	Pass
	16QAM	1732.5	25	0	5.012	/	Pass
10	QPSK	1732.5	50	0	10.313	/	Pass
	16QAM	1732.5	27	0	6.221	/	Pass
15	QPSK	1732.5	75	0	14.830	/	Pass
	16QAM	1732.5	27	0	5.806	/	Pass
20	QPSK	1732.5	100	0	19.786	/	Pass
	16QAM	1732.5	27	0	6.007	/	Pass

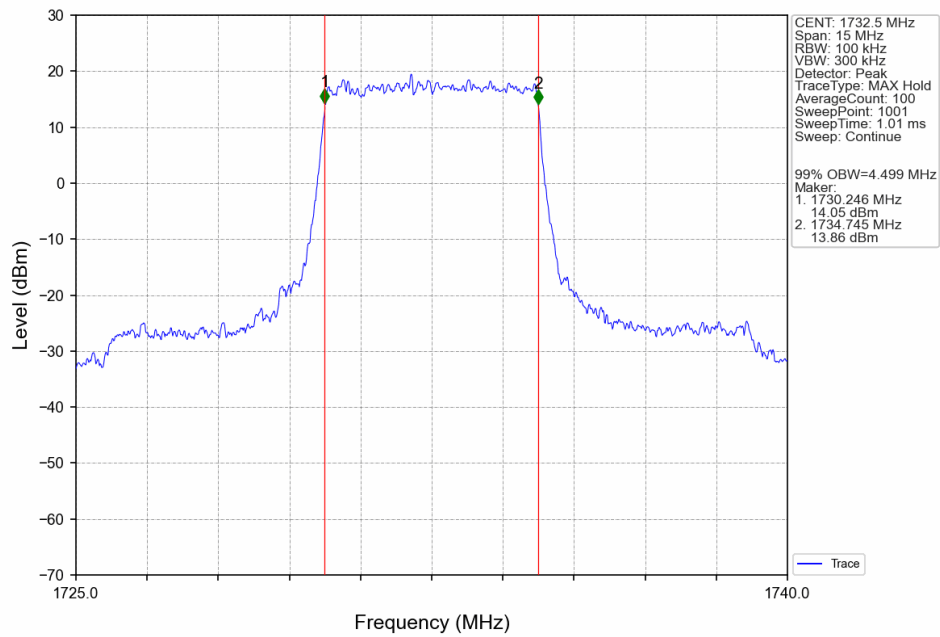
3.2 Test Graph

3.2.1 Band4_OBW

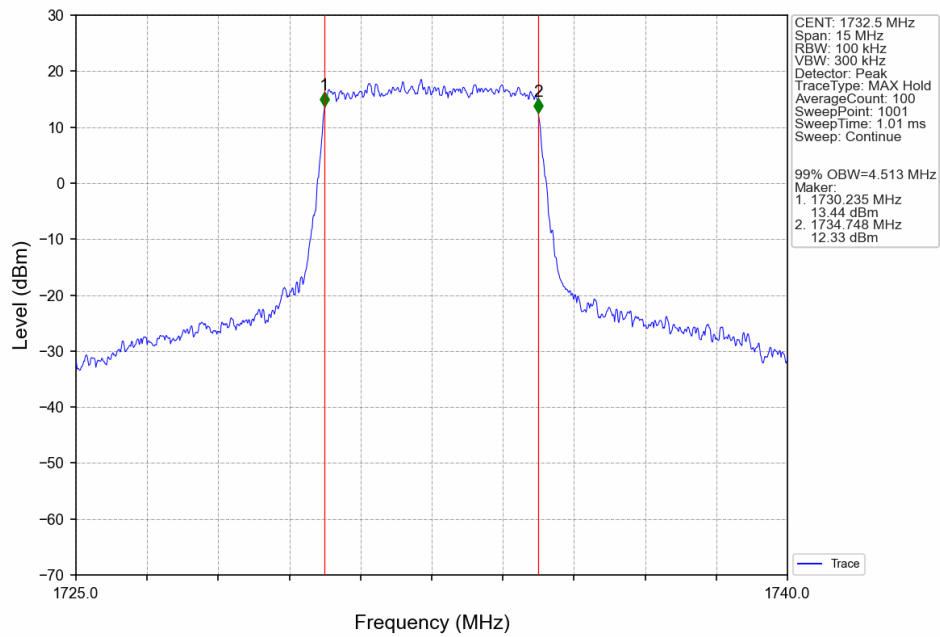




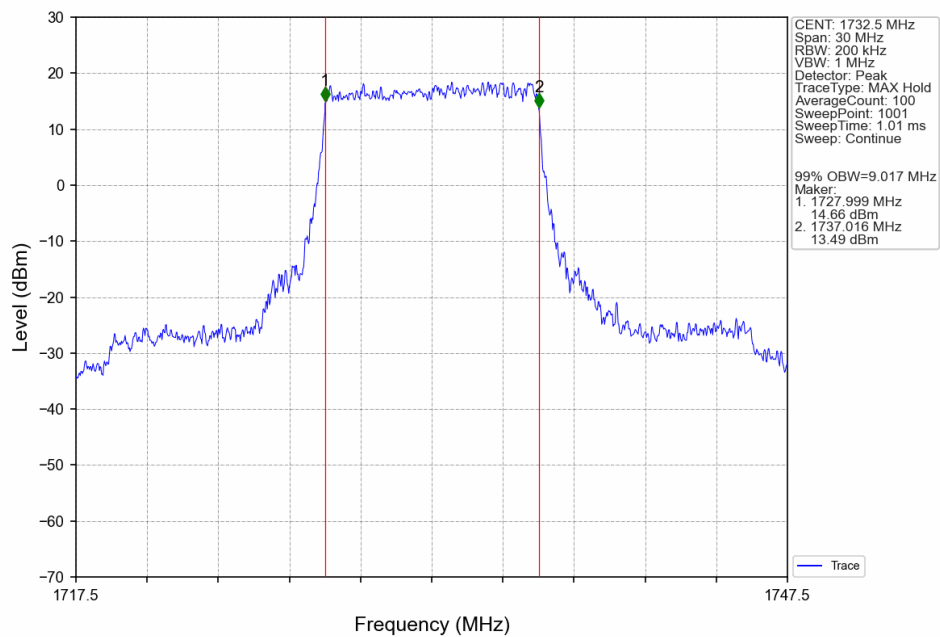
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



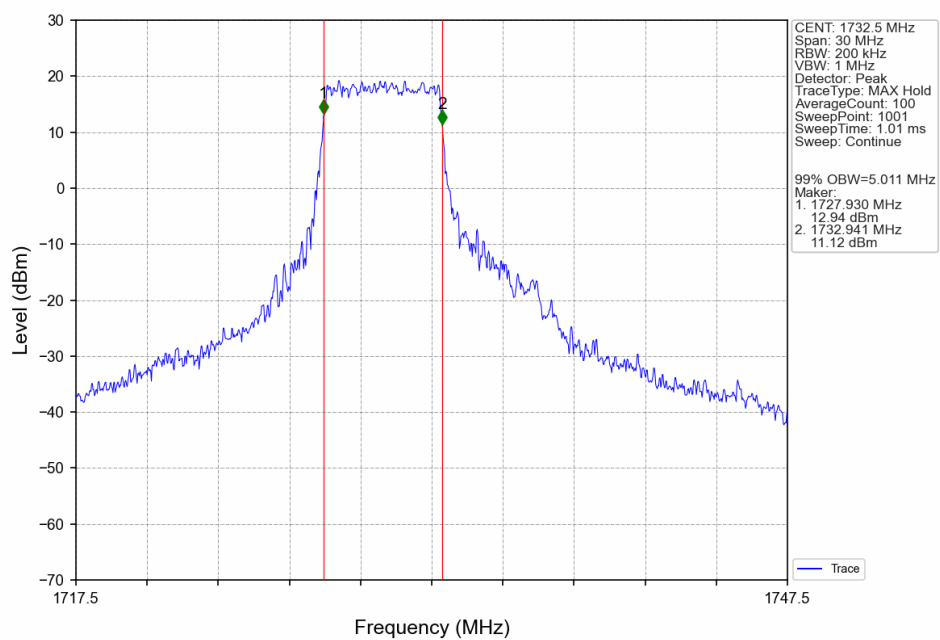
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



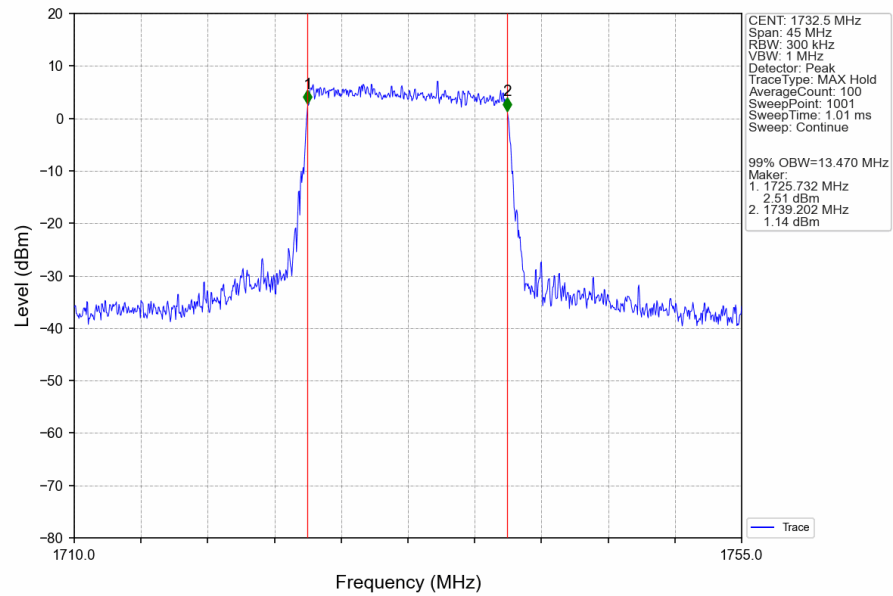
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



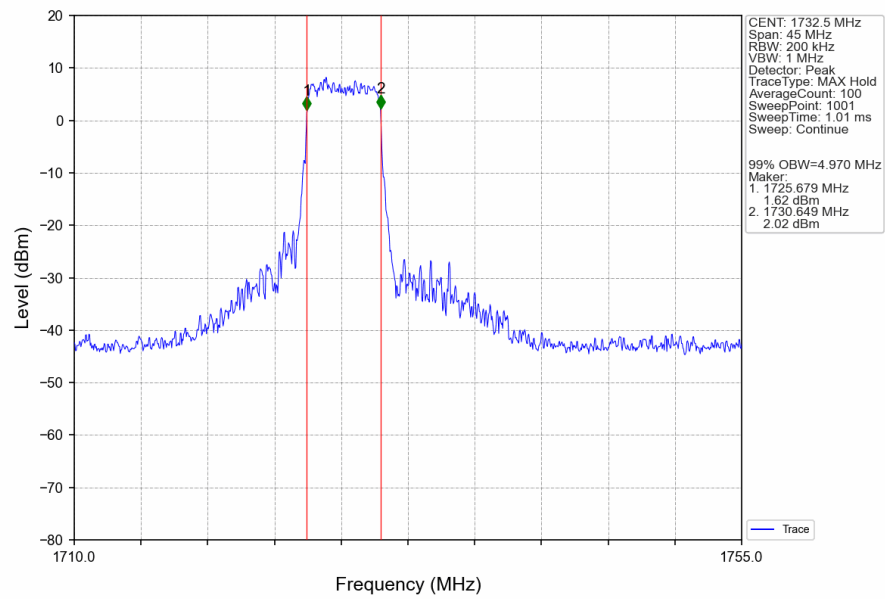
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



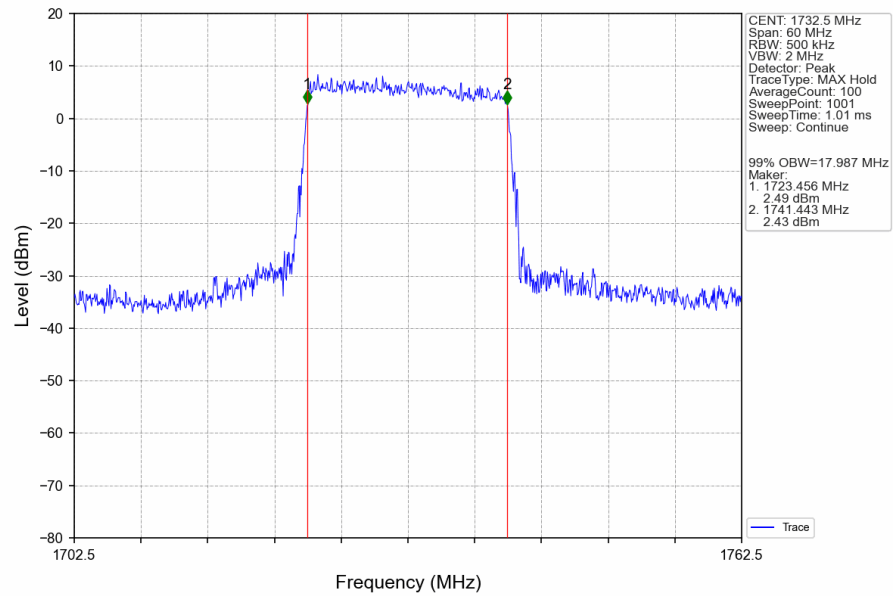
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



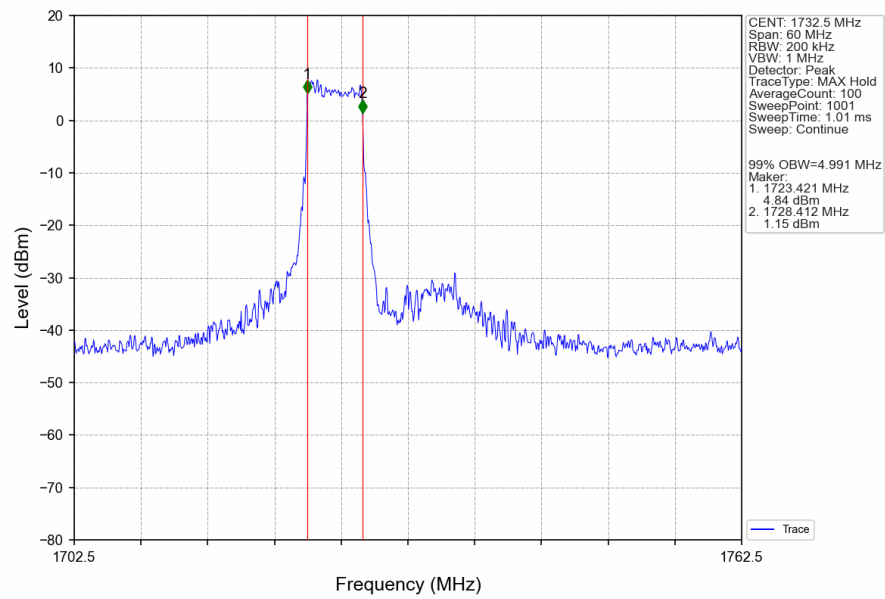
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



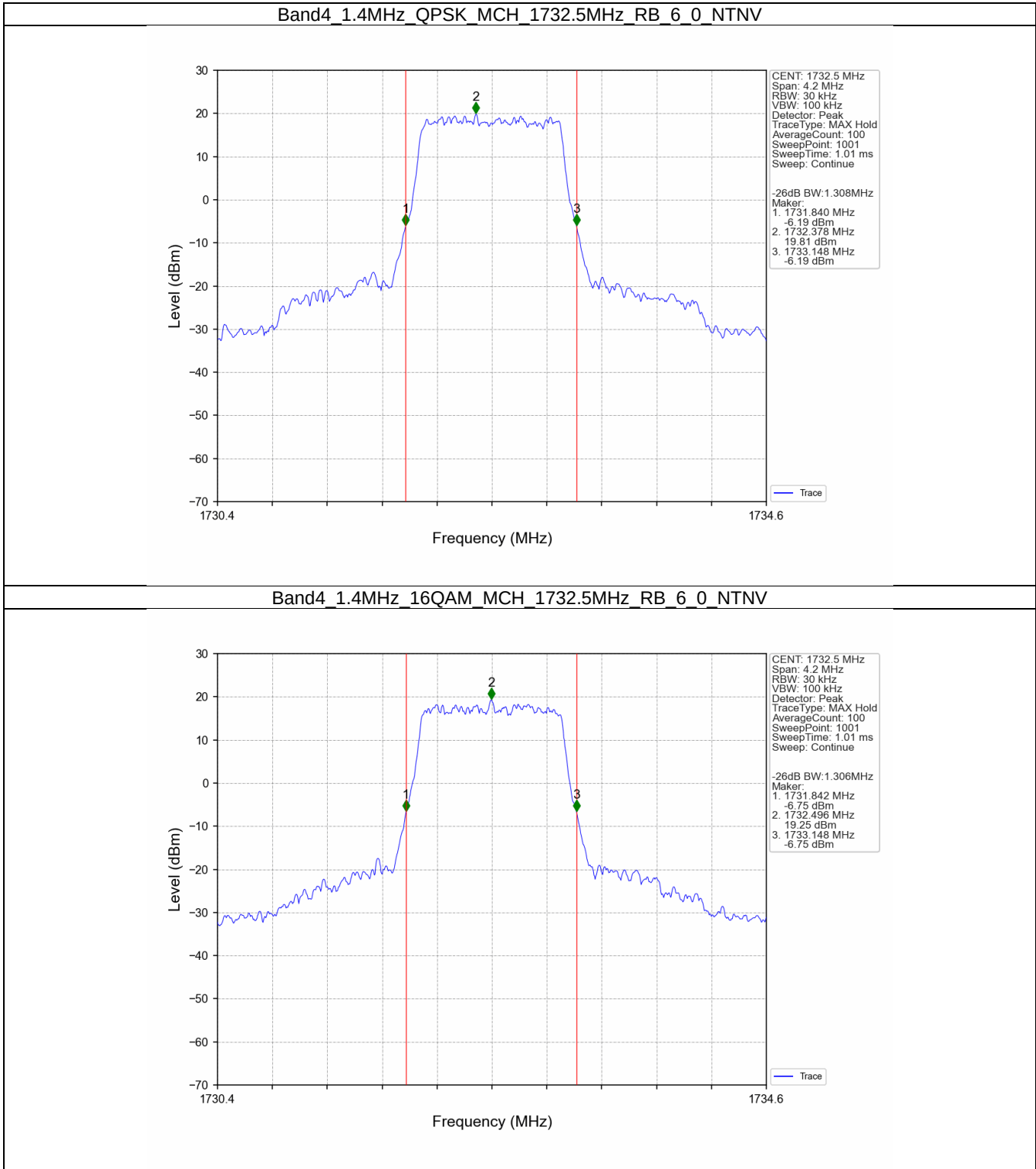
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



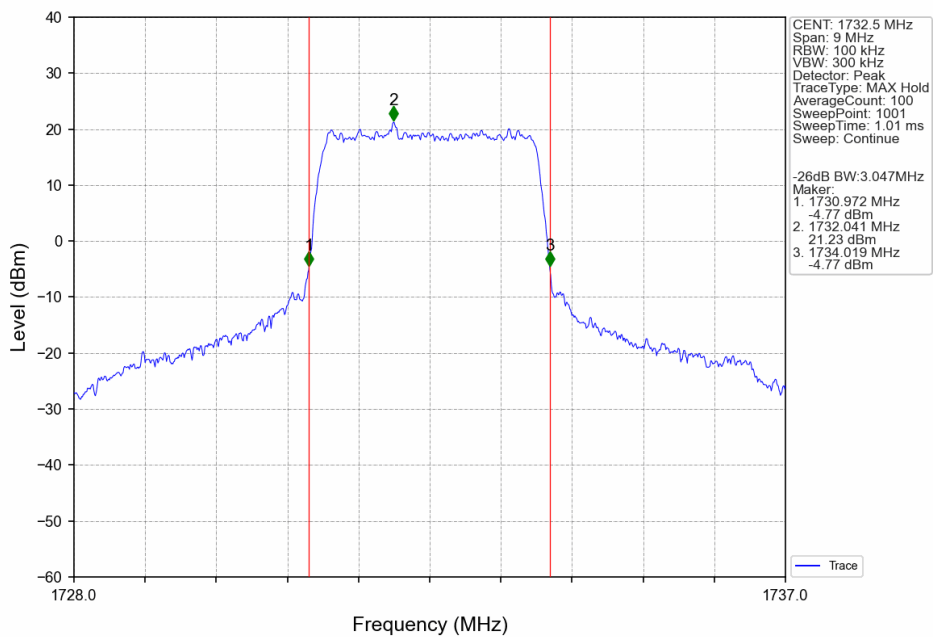
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



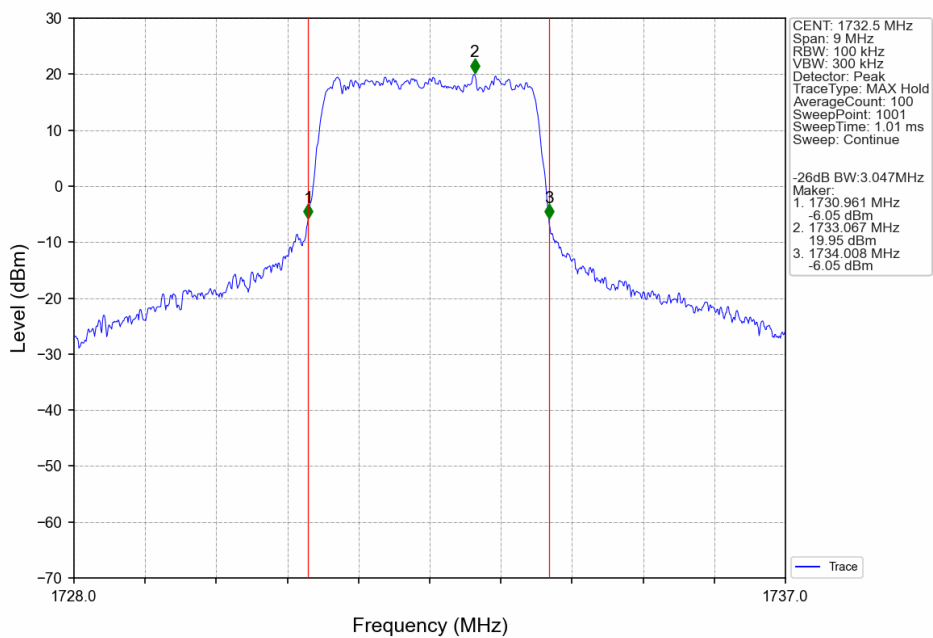
3.2.2 Band4_XDB



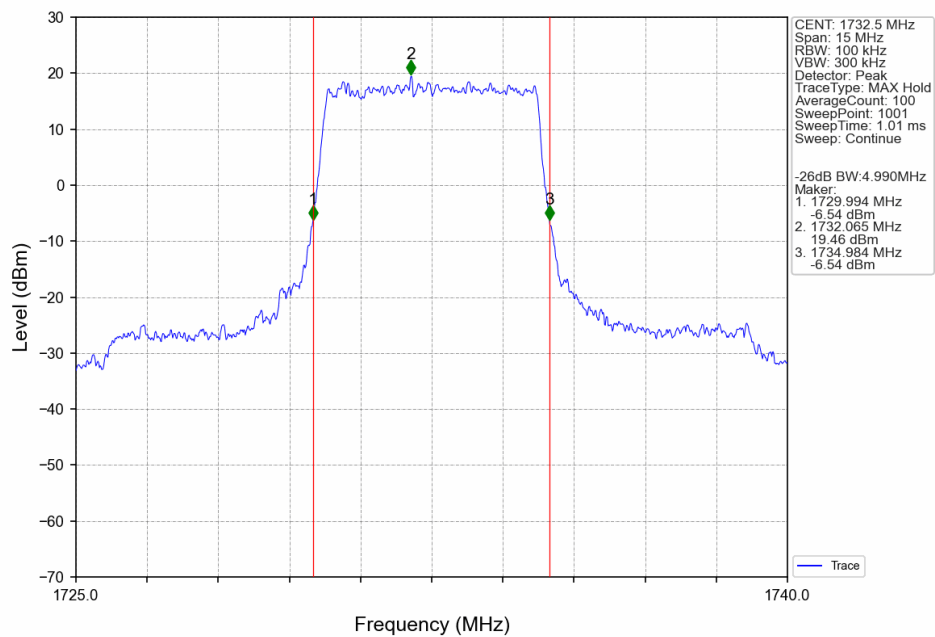
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



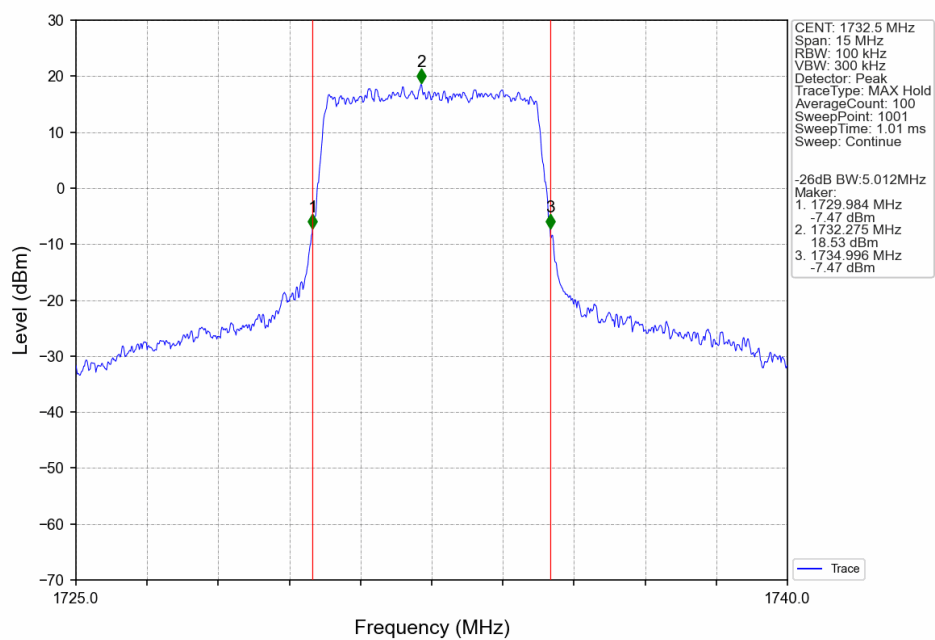
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



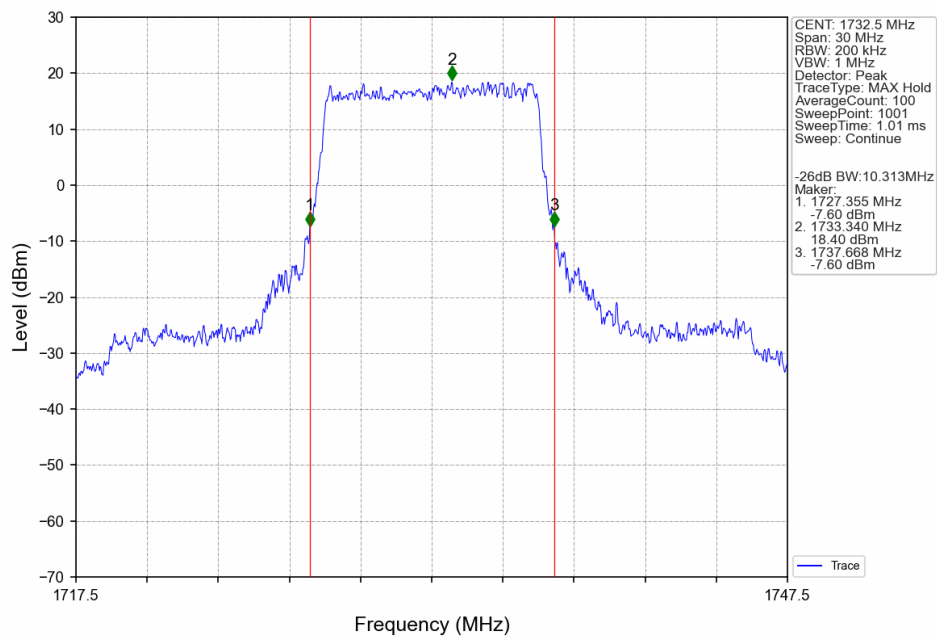
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



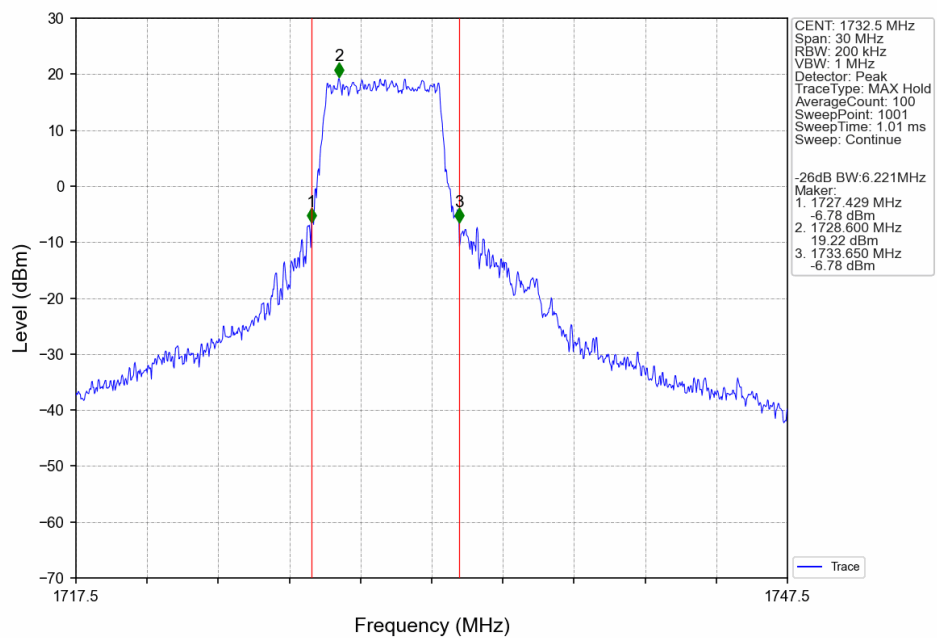
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



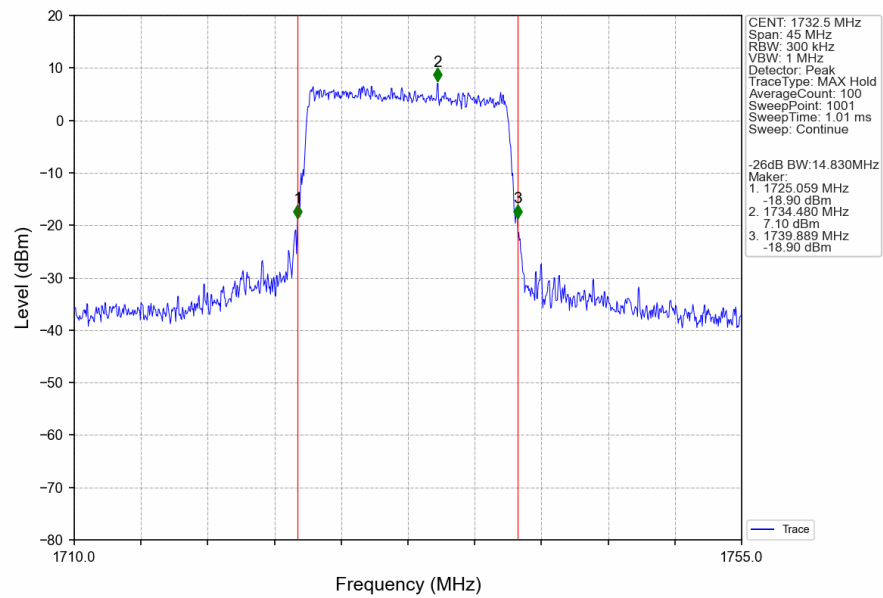
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



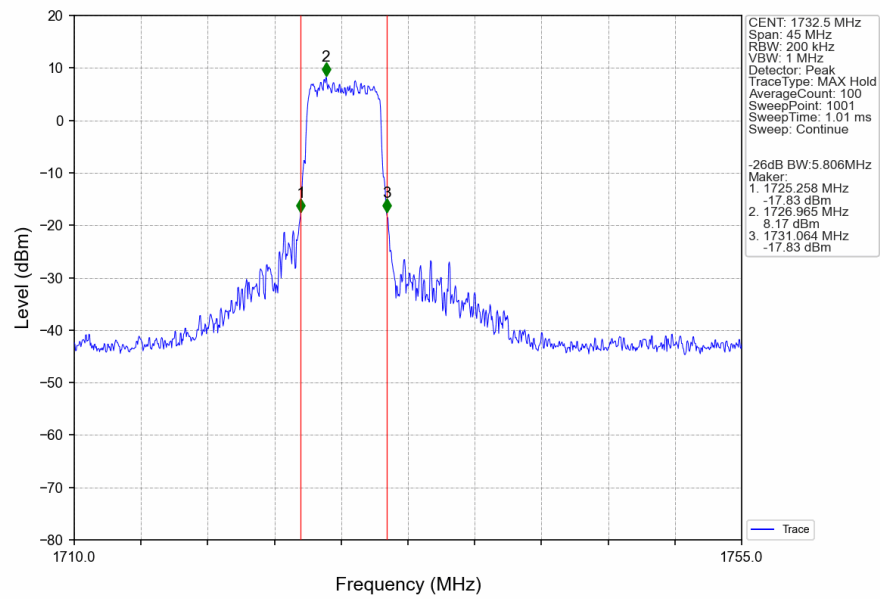
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



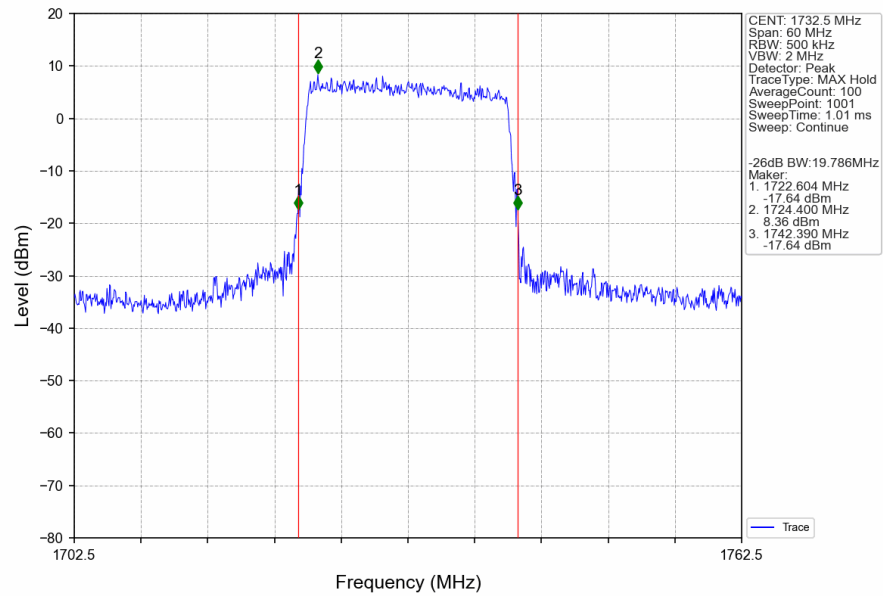
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



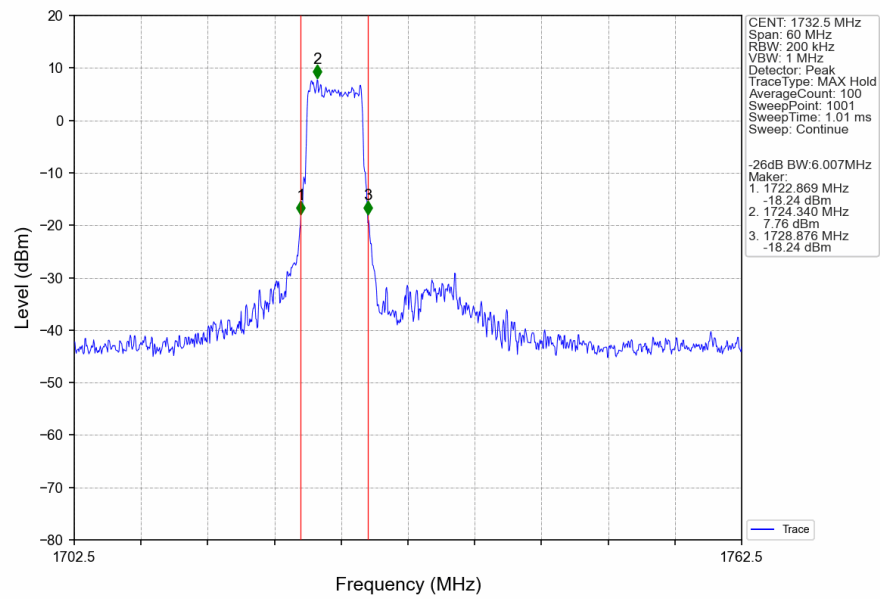
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



4. Peak-Average Ratio

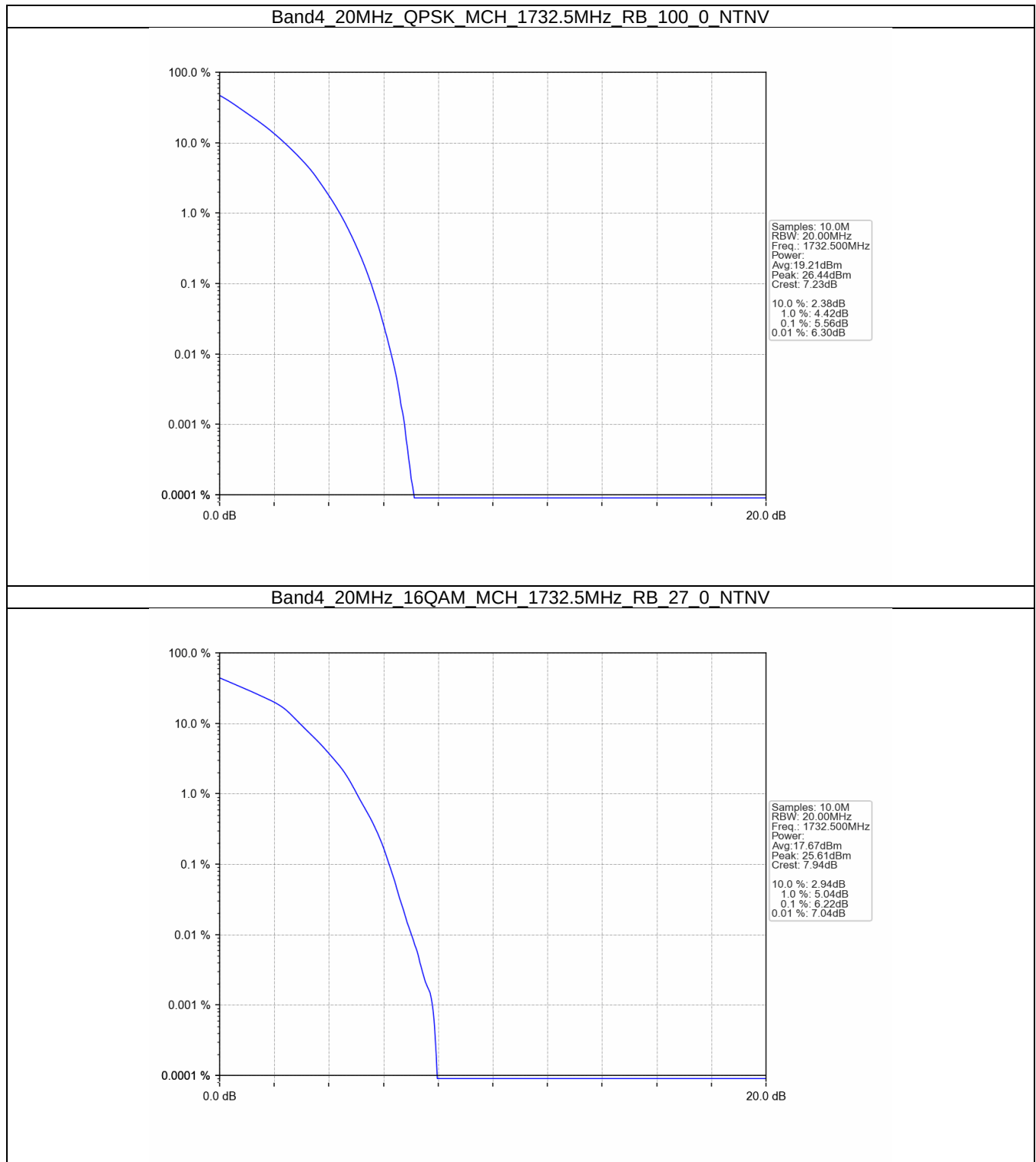
4.1 Test Result

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	5.56	<=13	Pass
16QAM	1732.5	27	0	6.22	<=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 / NTVN						
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 / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.5 B4_15MHz

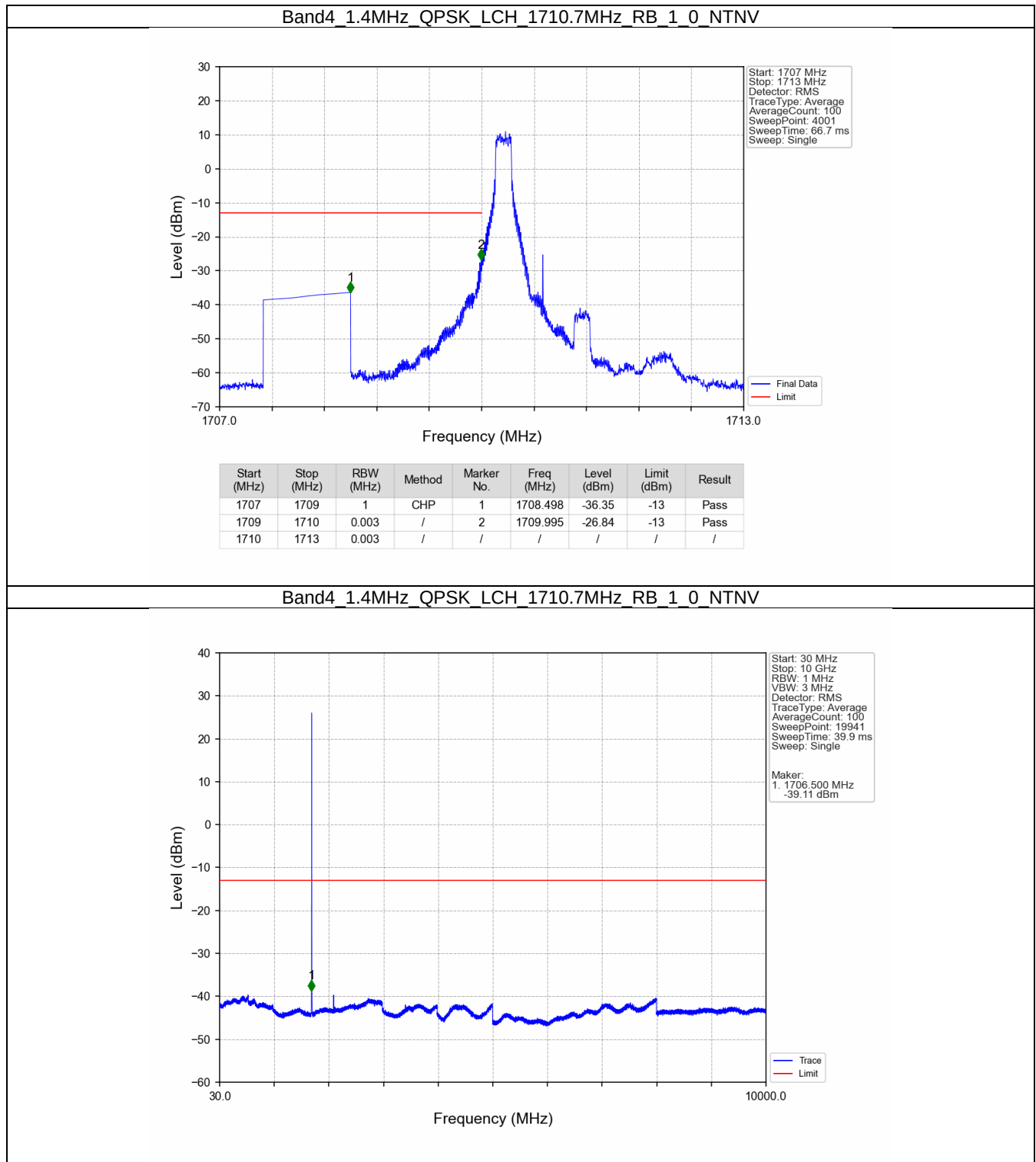
Band: 4 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.6 B4_20MHz

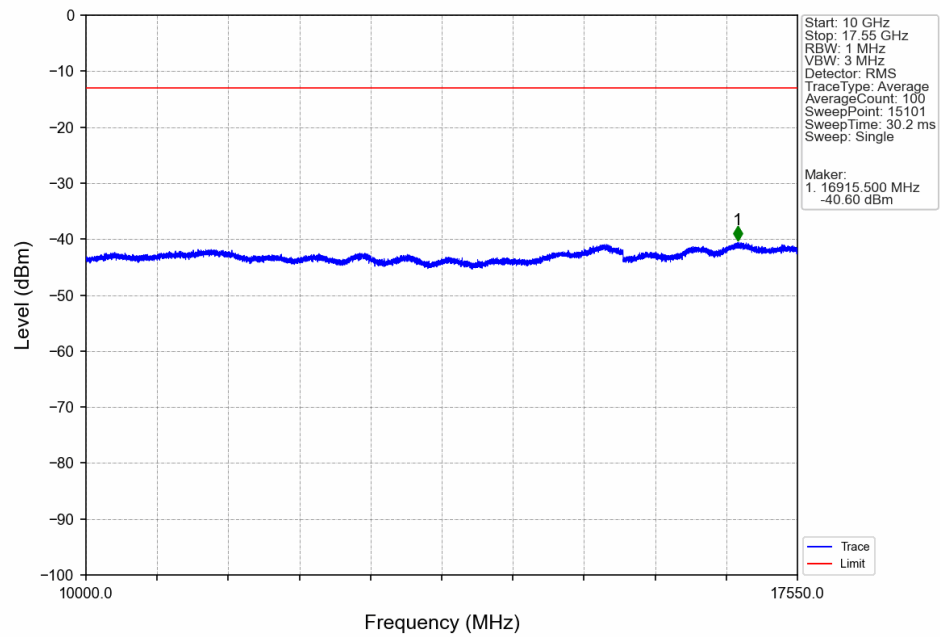
Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

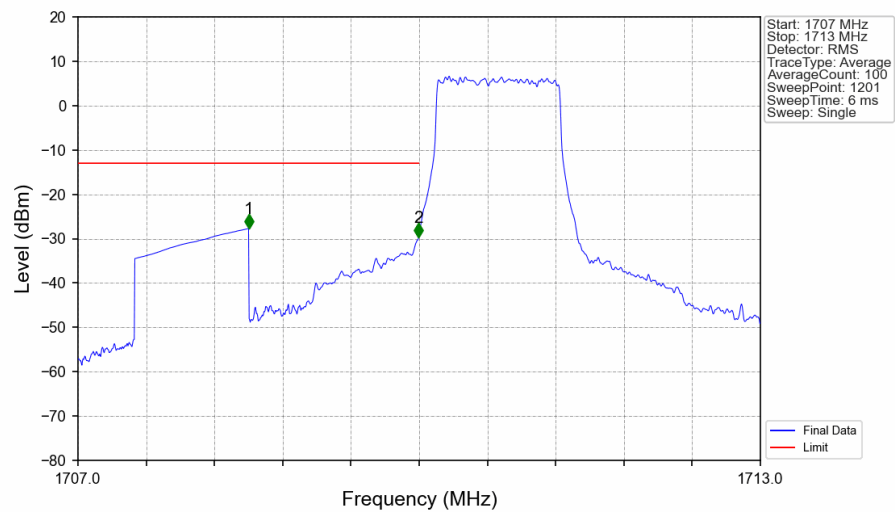
5.2.1 B4_1.4MHz



Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTNV

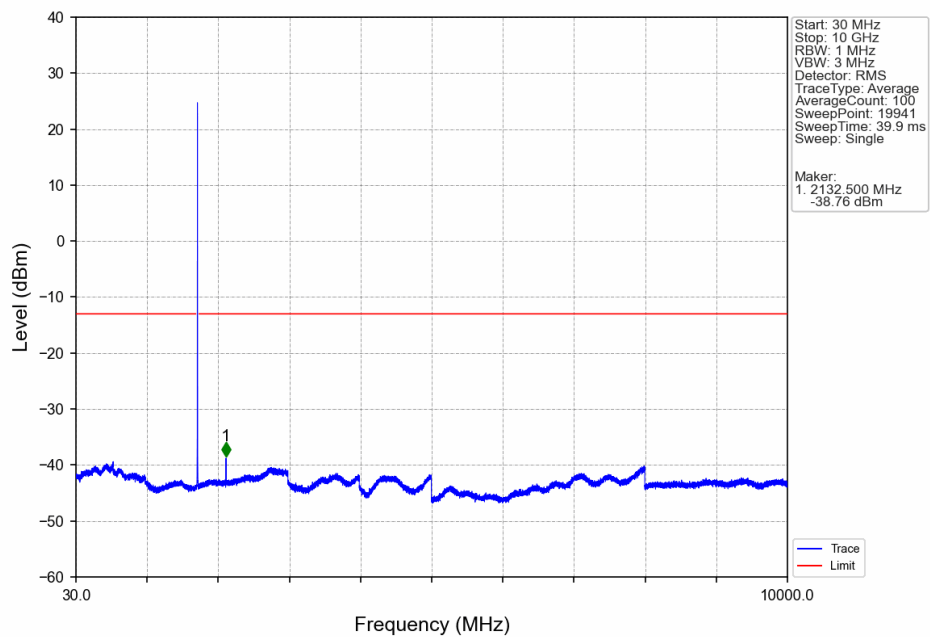


Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTNV

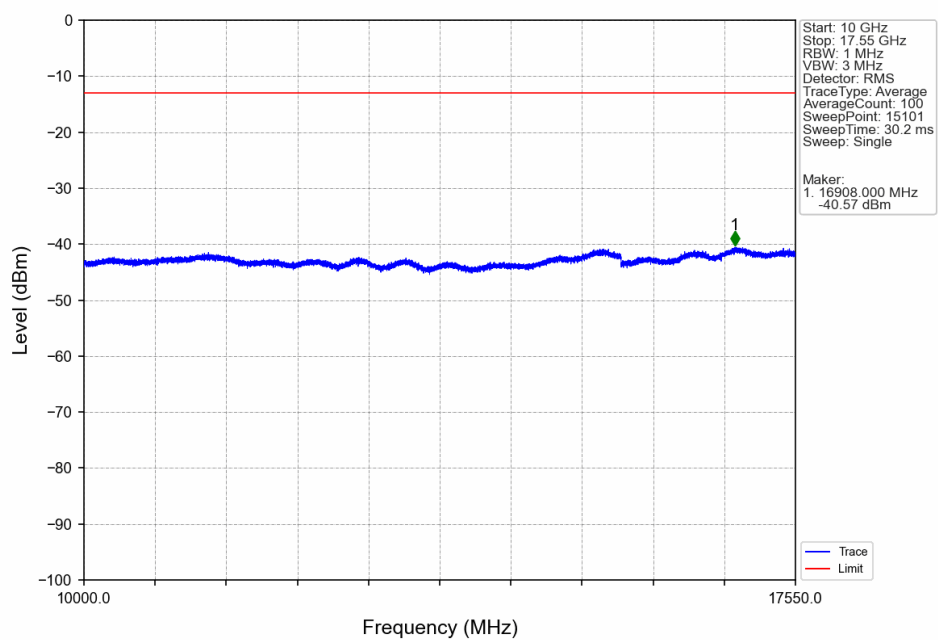


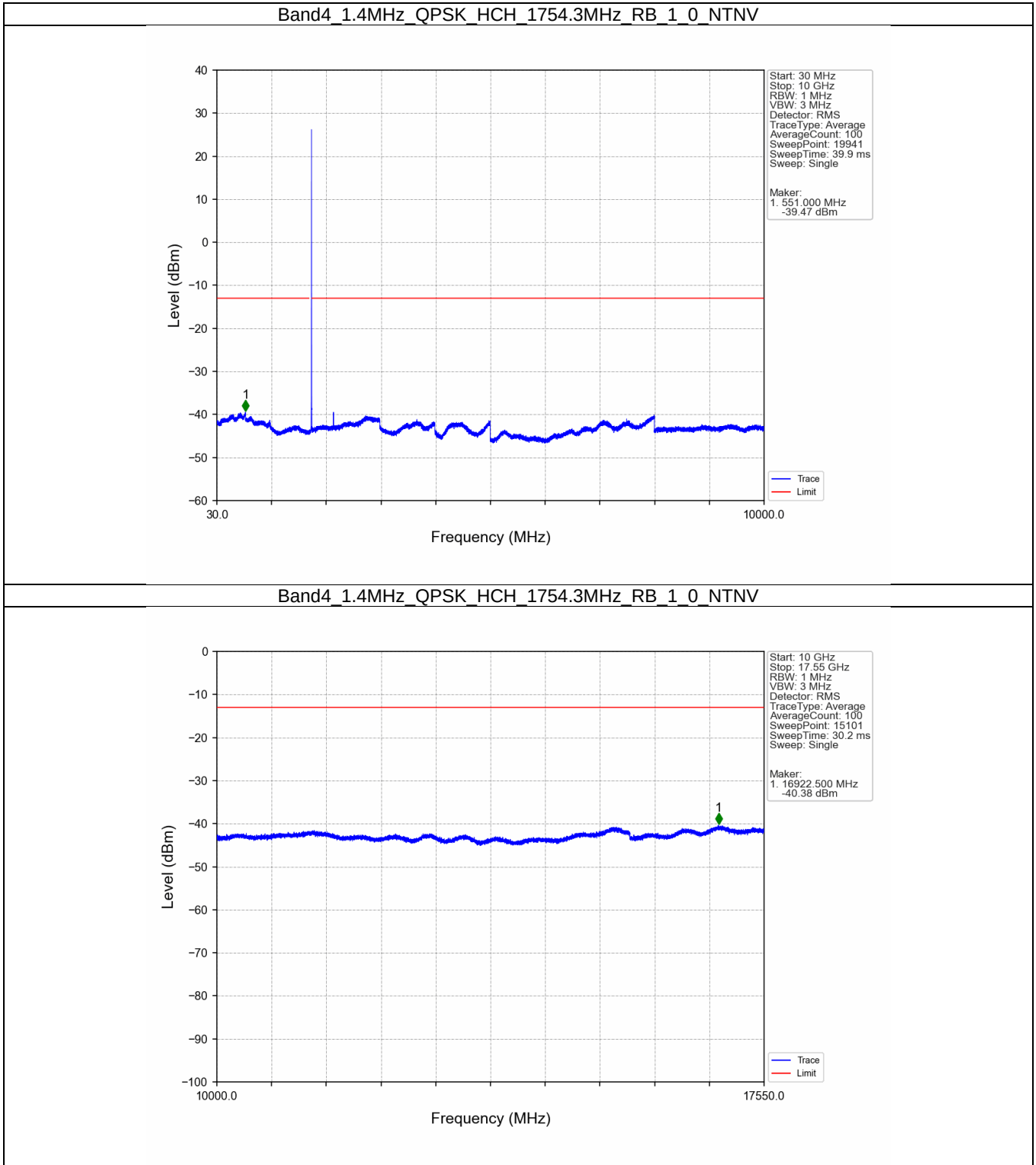
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-27.73	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-29.71	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

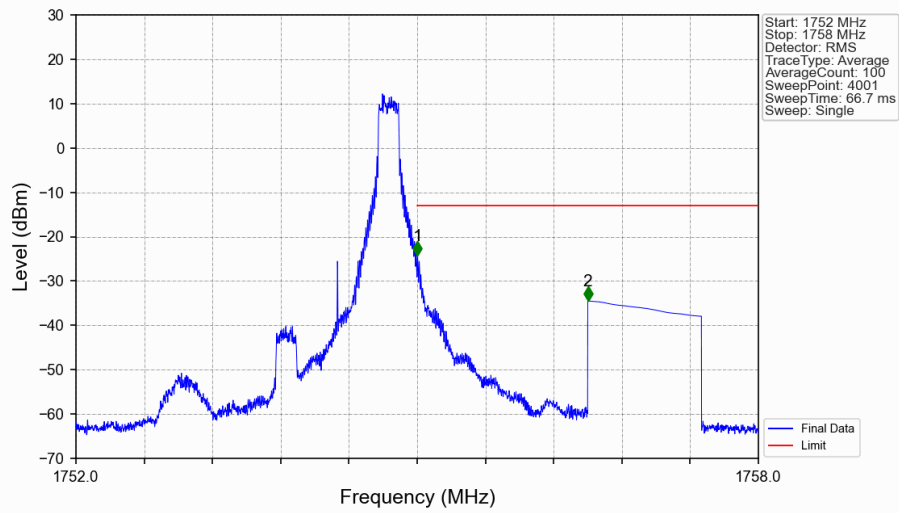


Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



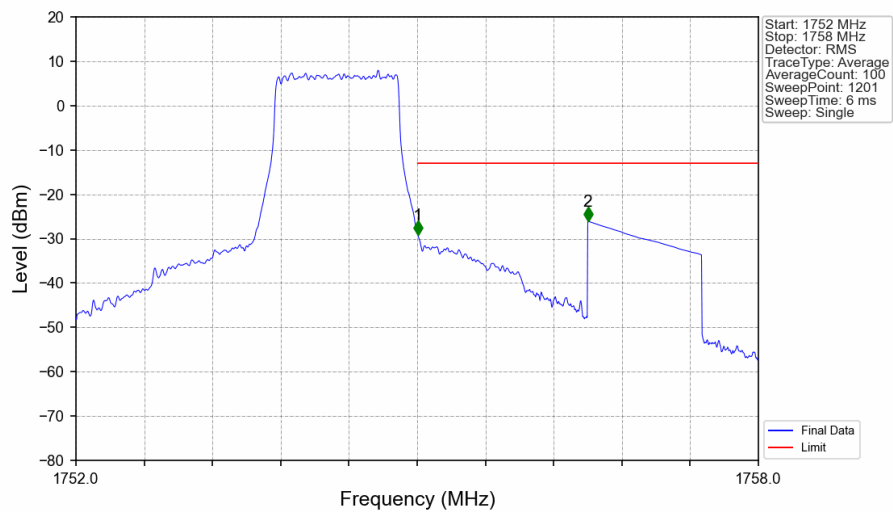


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-24.22	-13	Pass
1756	1758	1	CHP	2	1756.500	-34.51	-13	Pass

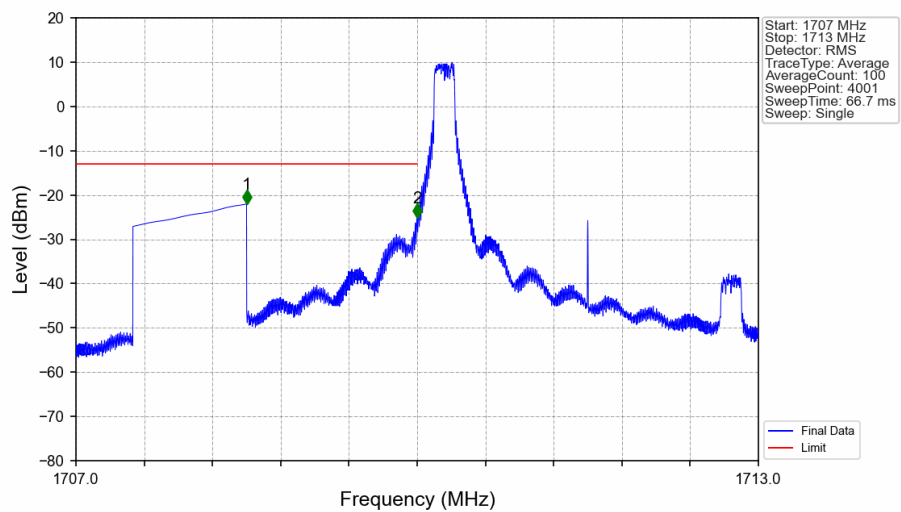
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.005	-29.12	-13	Pass
1756	1758	1	CHP	2	1756.500	-26.05	-13	Pass

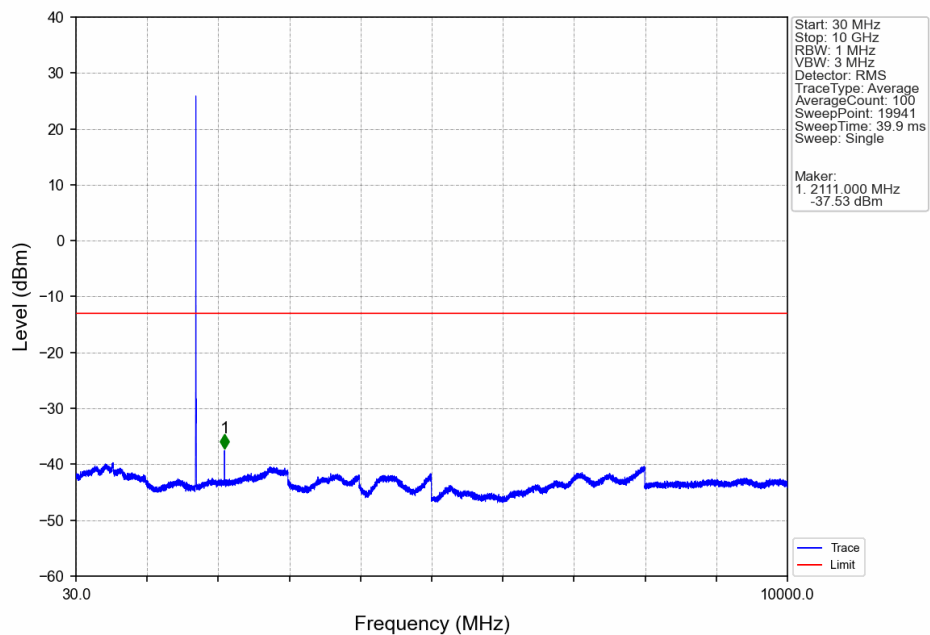
5.2.2 B4_3MHz

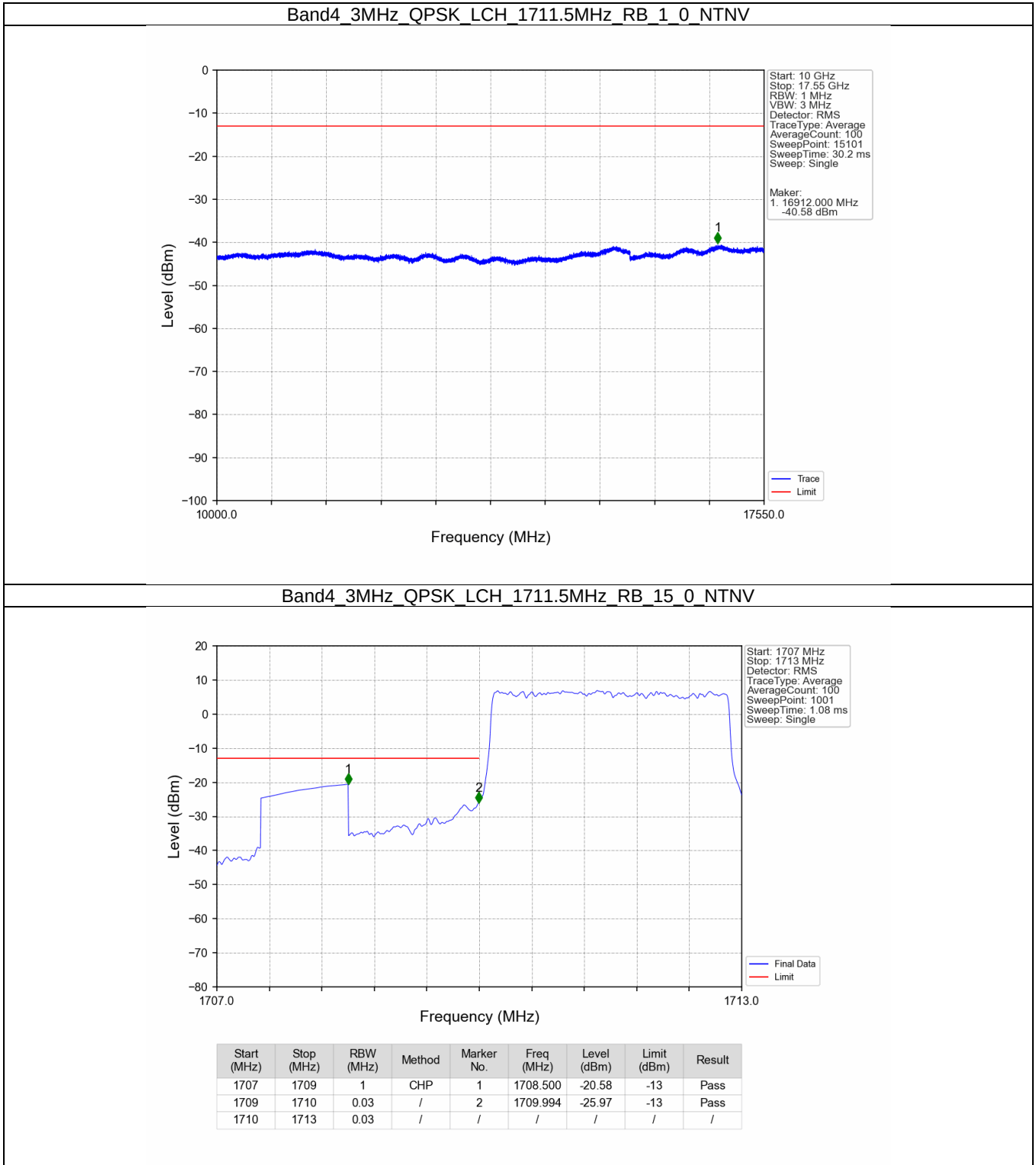
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



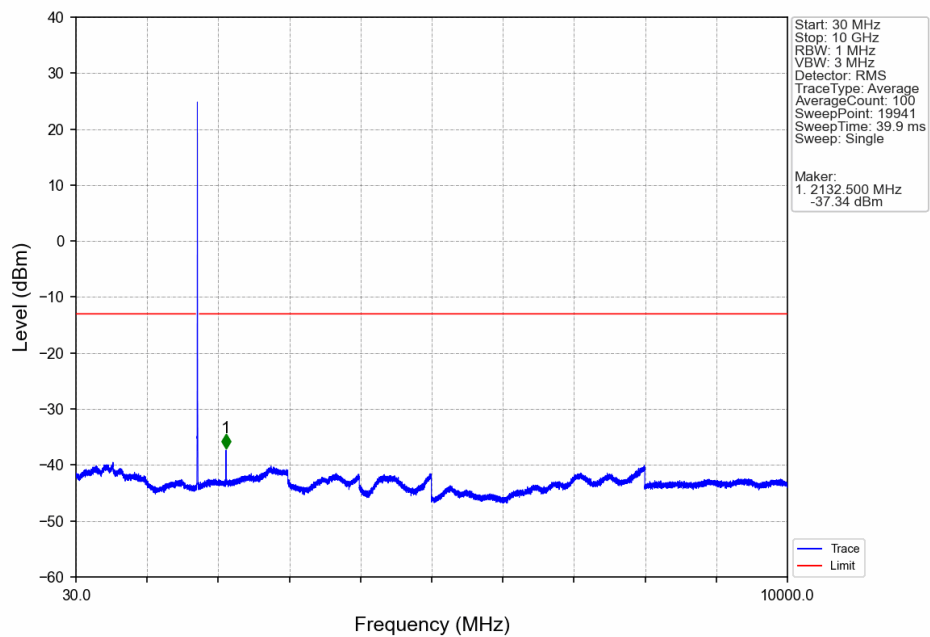
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-22.02	-13	Pass
1709	1710	0.003	/	2	1709.998	-25.09	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

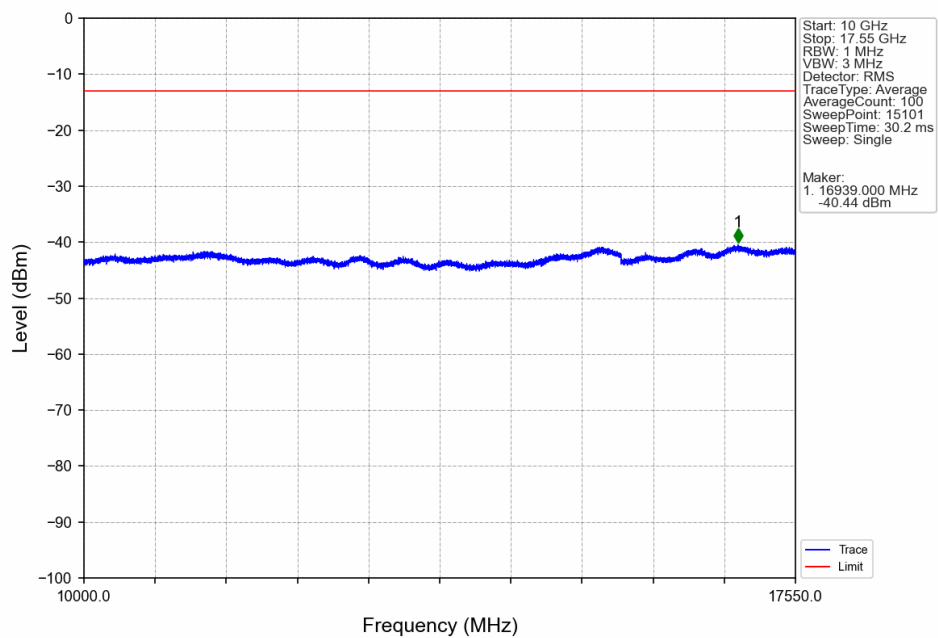


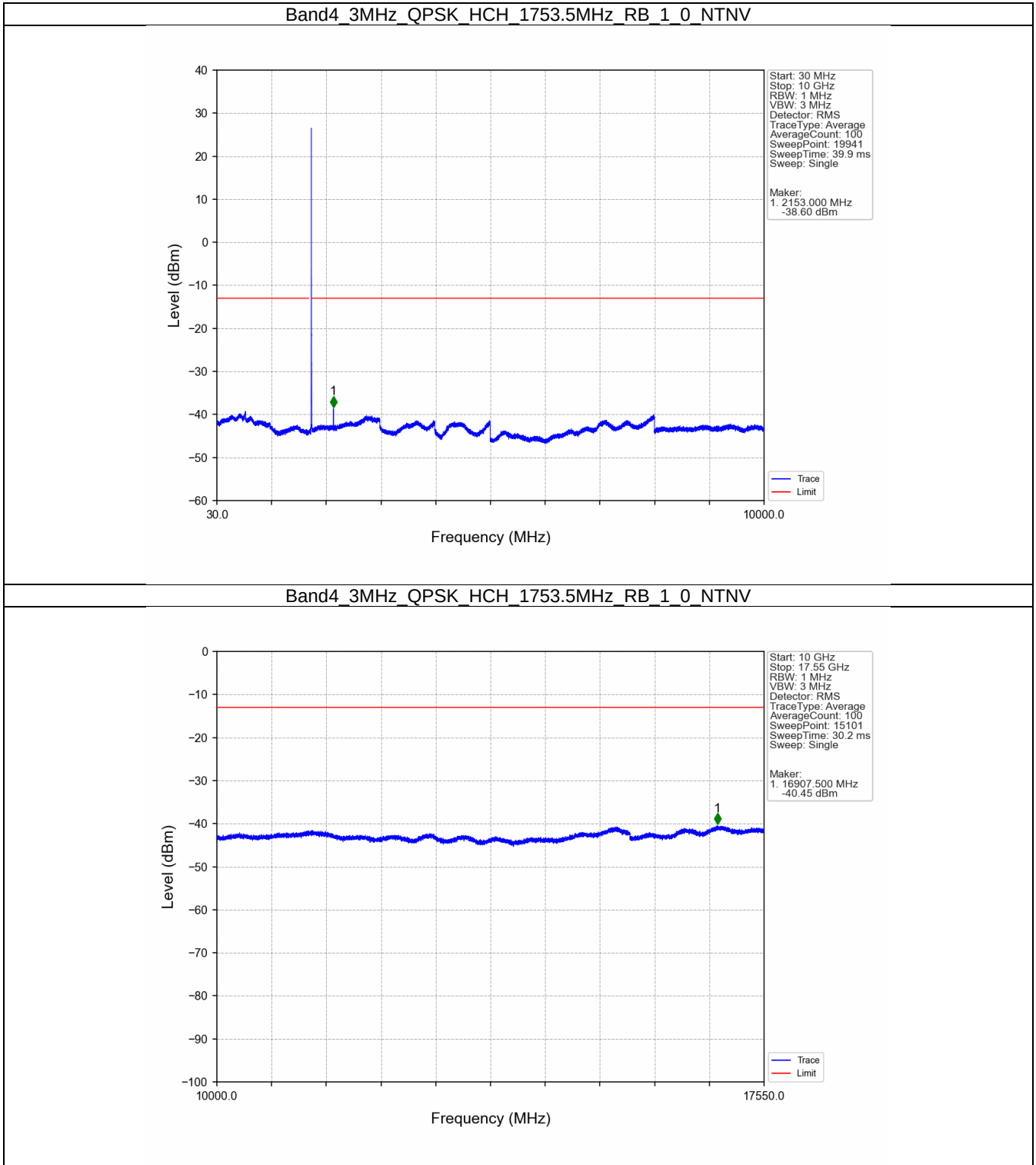


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

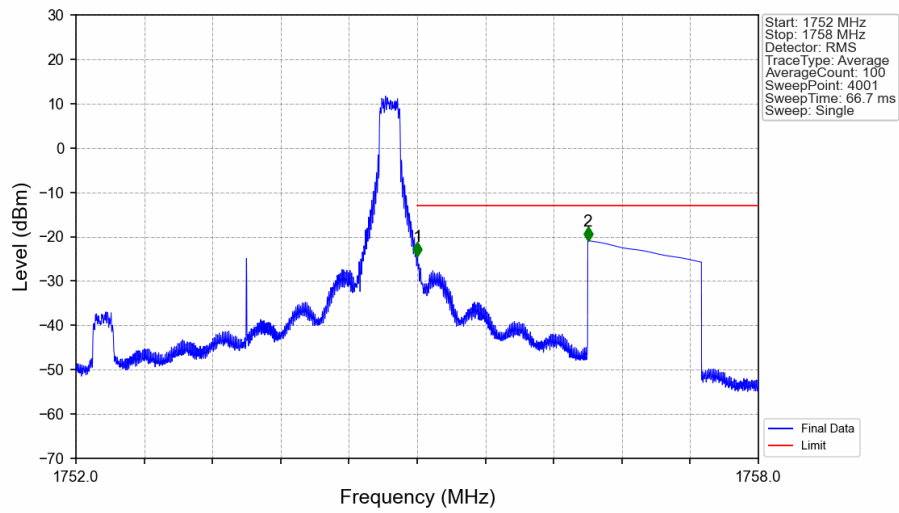


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



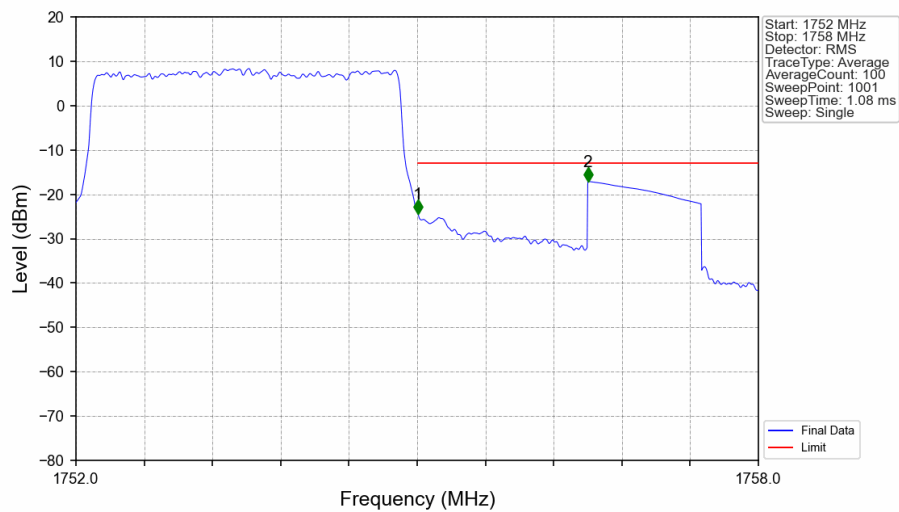


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



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	-24.40	-13	Pass
1756	1758	1	CHP	2	1756.500	-20.87	-13	Pass

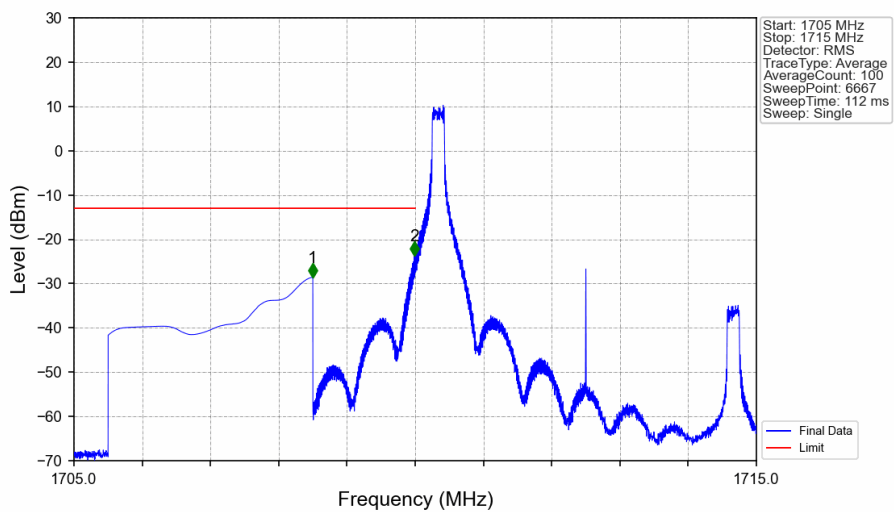
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



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	-24.33	-13	Pass
1756	1758	1	CHP	2	1756.500	-17.09	-13	Pass

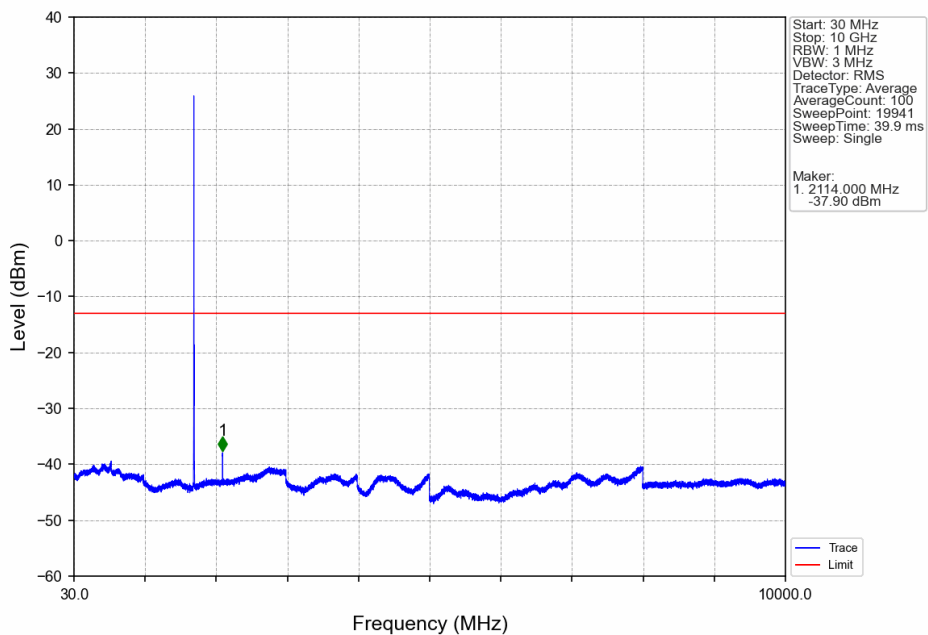
5.2.3 B4_5MHz

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

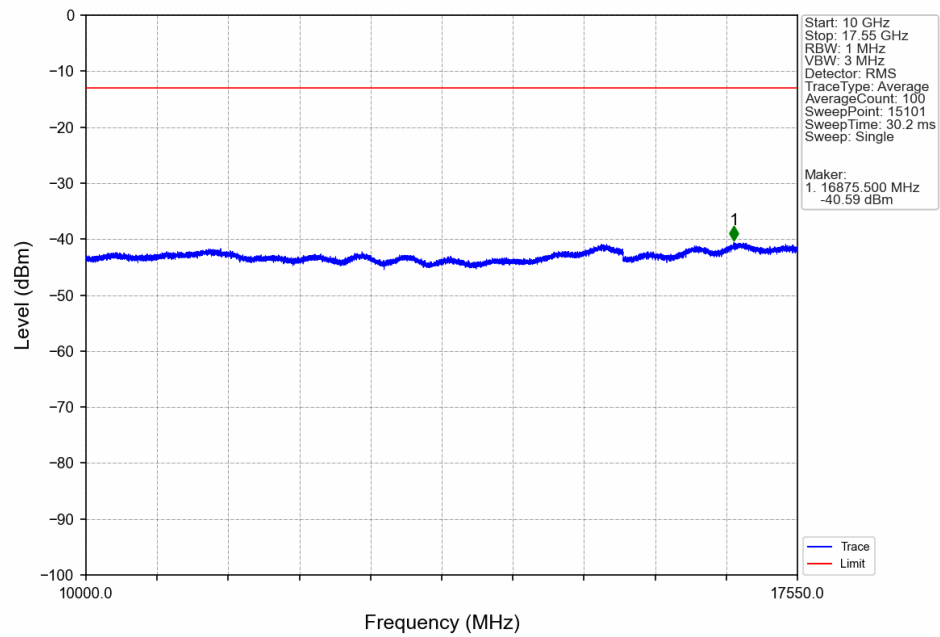


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.497	-28.56	-13	Pass
1709	1710	0.003	/	2	1709.988	-23.70	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

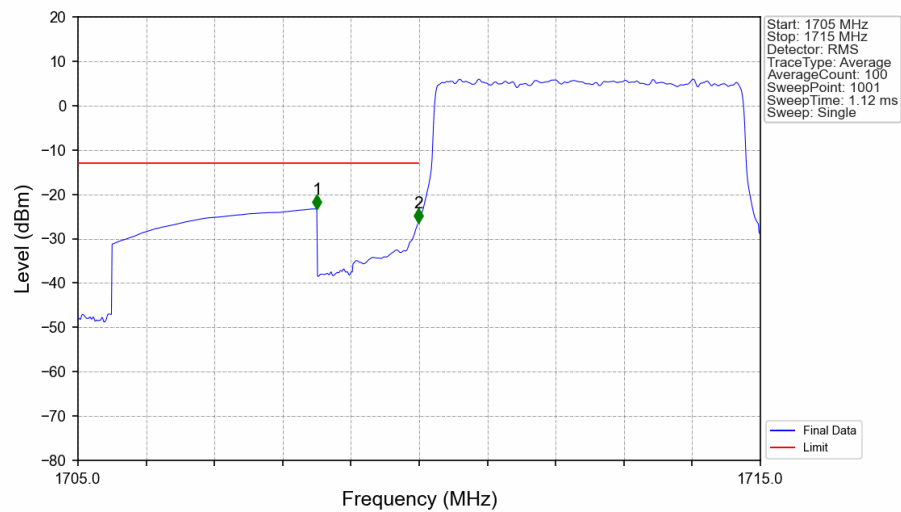
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

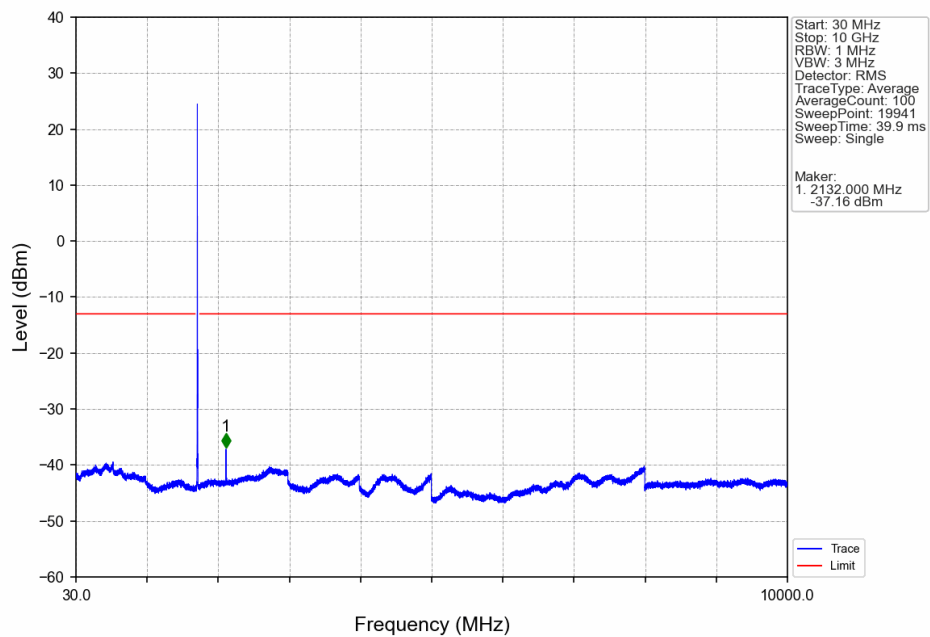


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

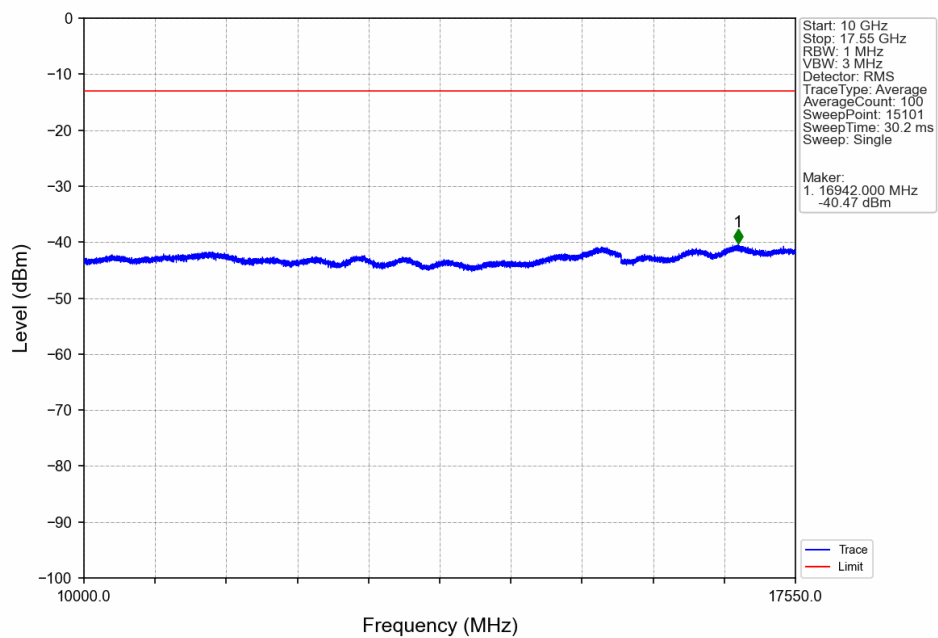


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-23.30	-13	Pass
1709	1710	0.05	CHP	2	1709.990	-26.33	-13	Pass
1710	1715	0.05	CHP	/	/	/	/	/

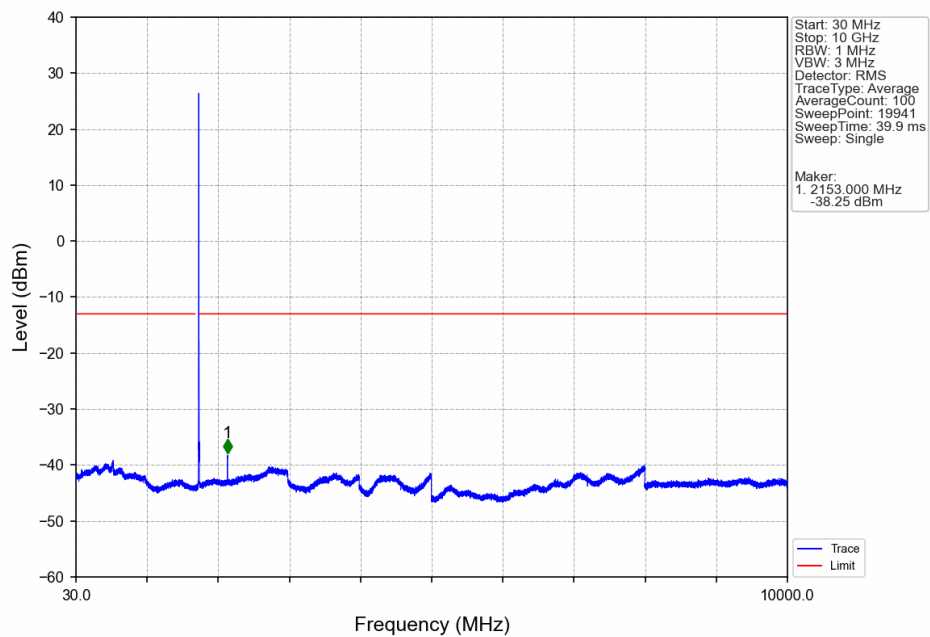
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



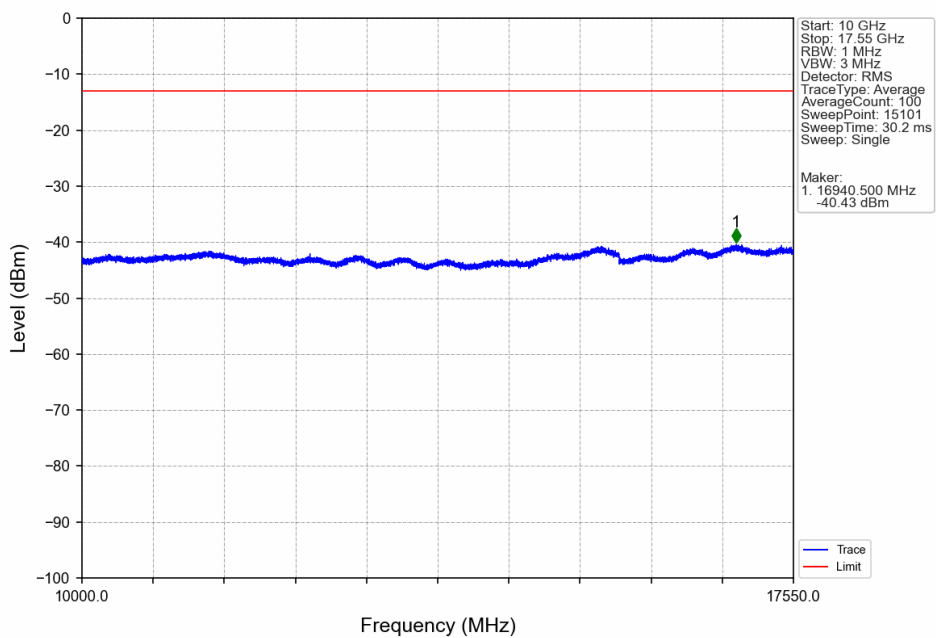
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



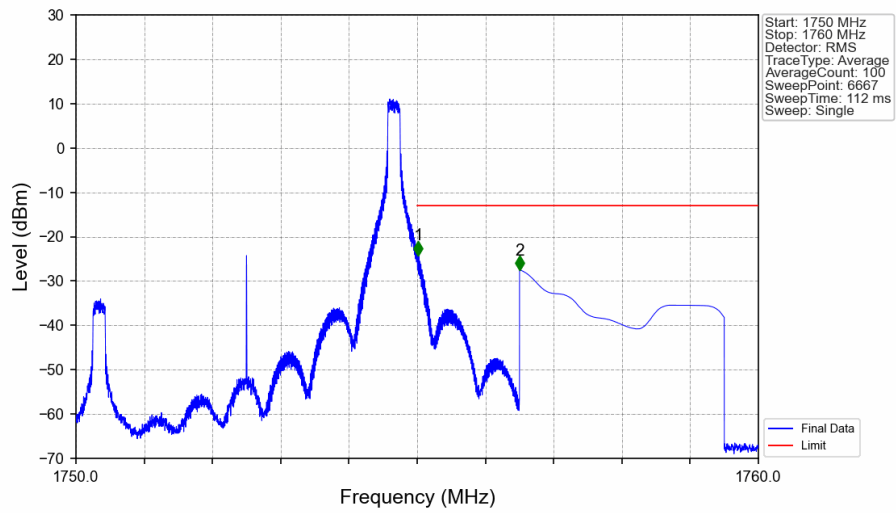
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

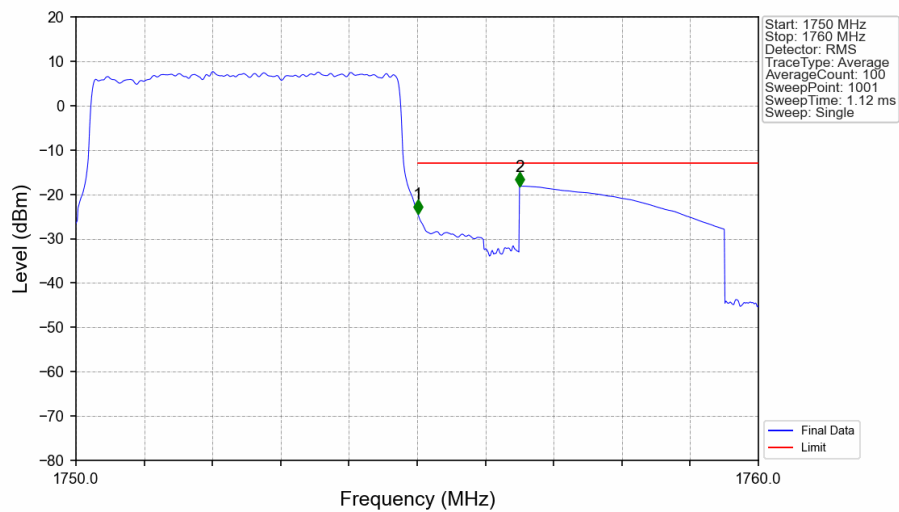


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



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	1755.014	-24.14	-13	Pass
1756	1760	1	CHP	2	1756.500	-27.49	-13	Pass

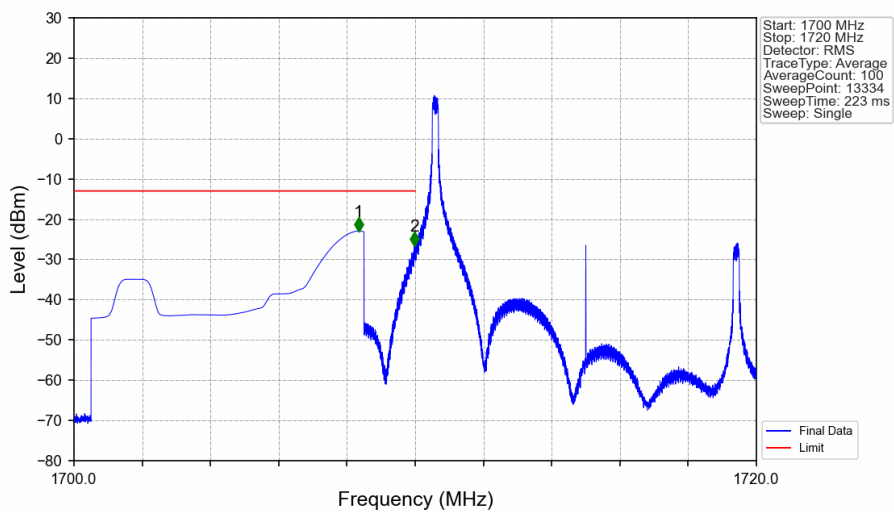
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



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	-24.43	-13	Pass
1756	1760	1	CHP	2	1756.500	-18.12	-13	Pass

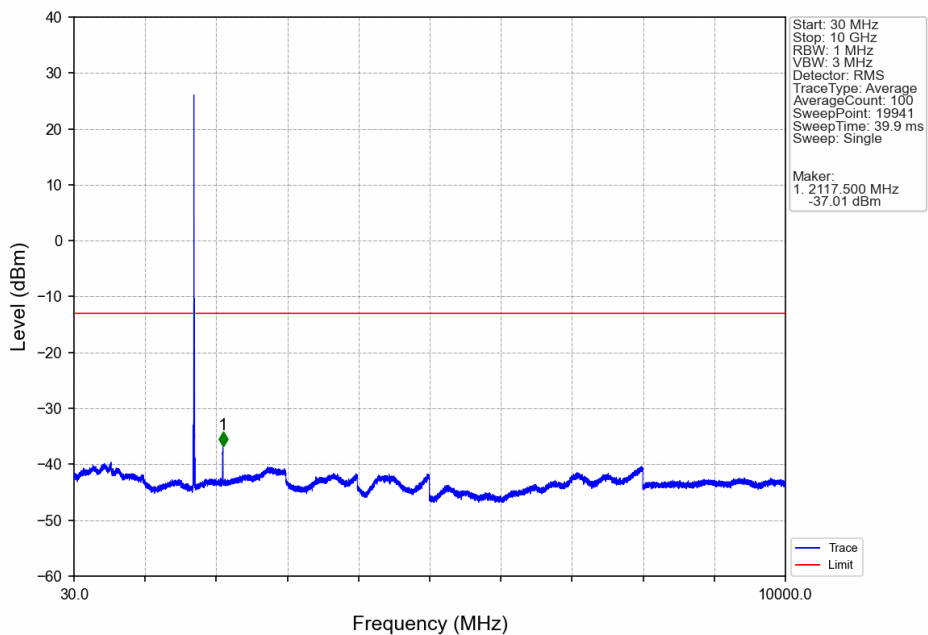
5.2.4 B4_10MHz

Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

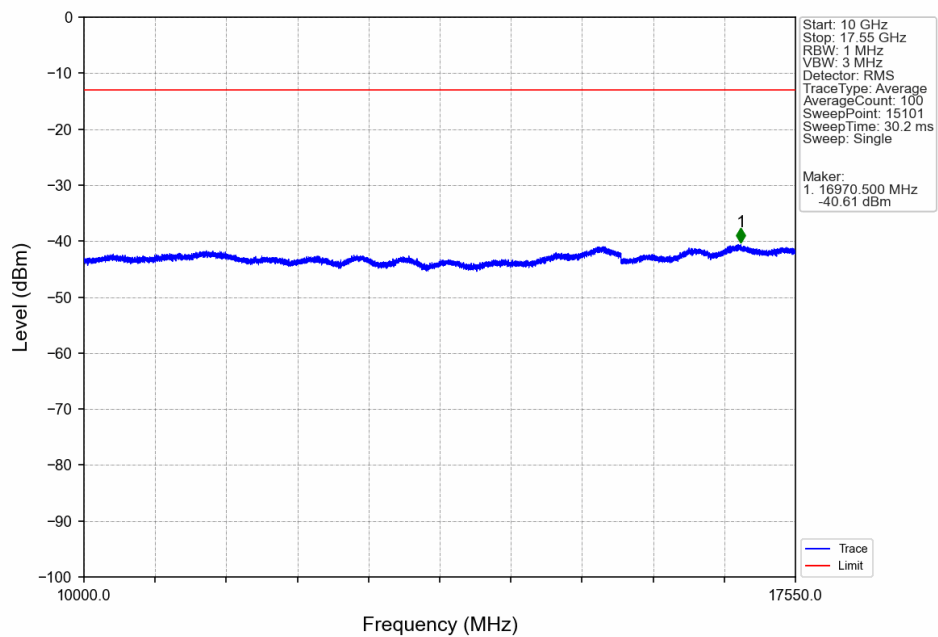


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.339	-22.96	-13	Pass
1709	1710	0.003	/	2	1709.971	-26.59	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

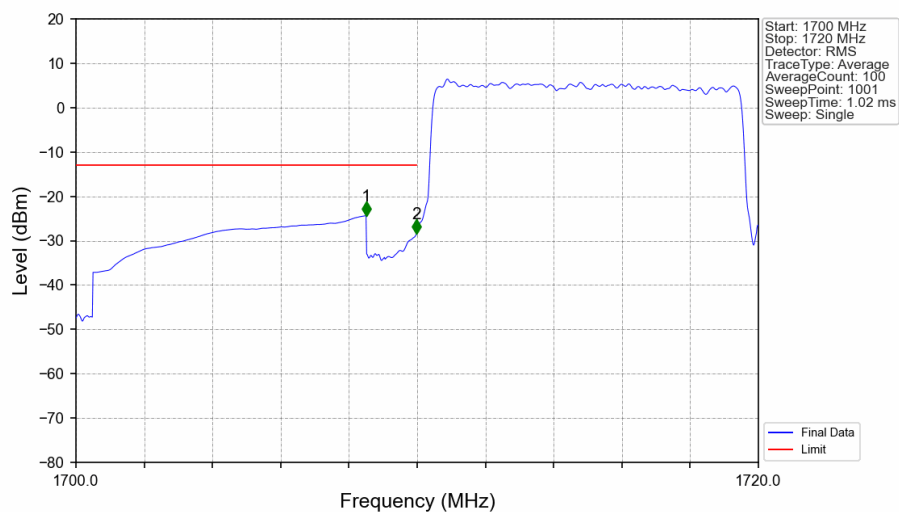
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



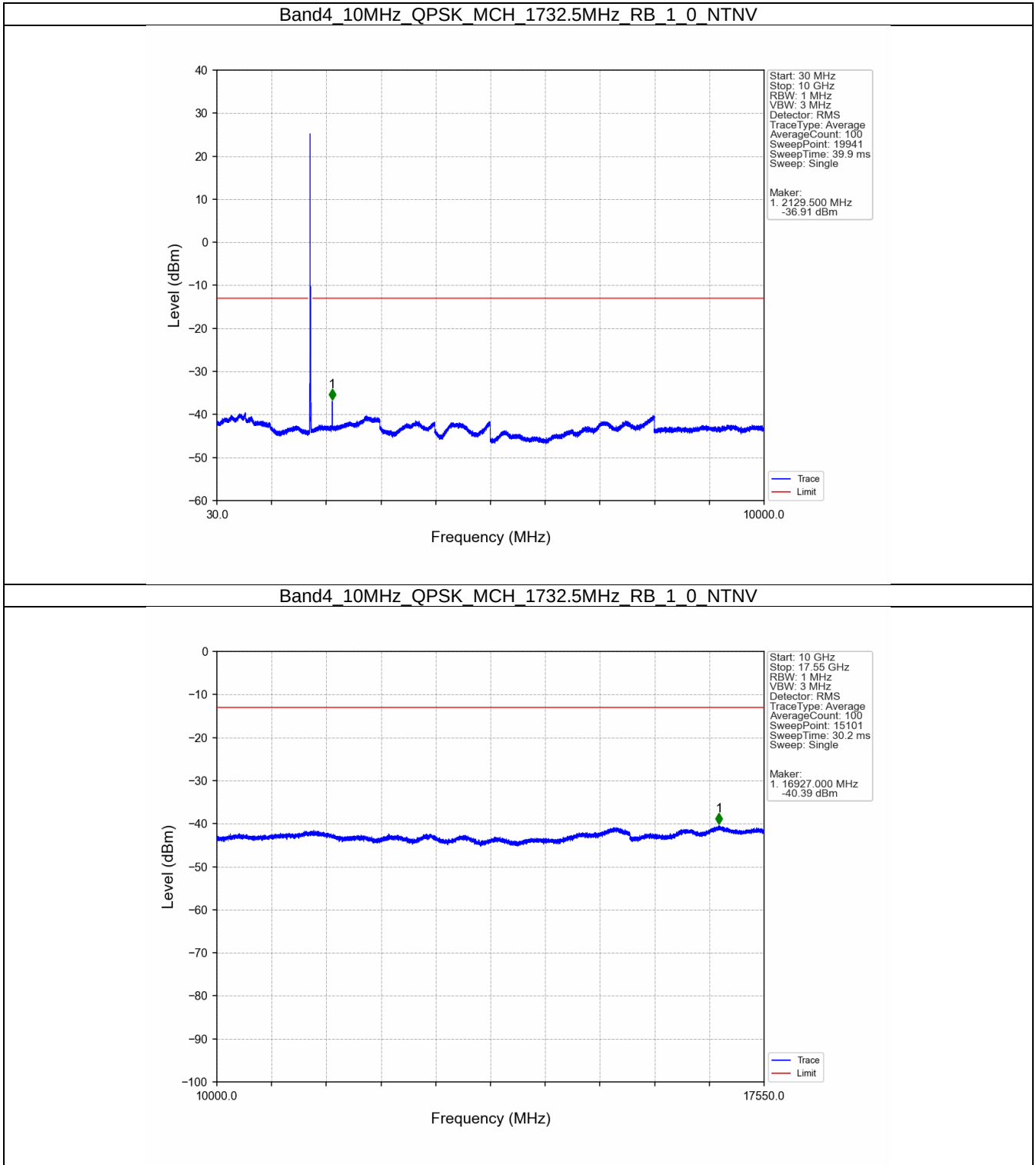
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



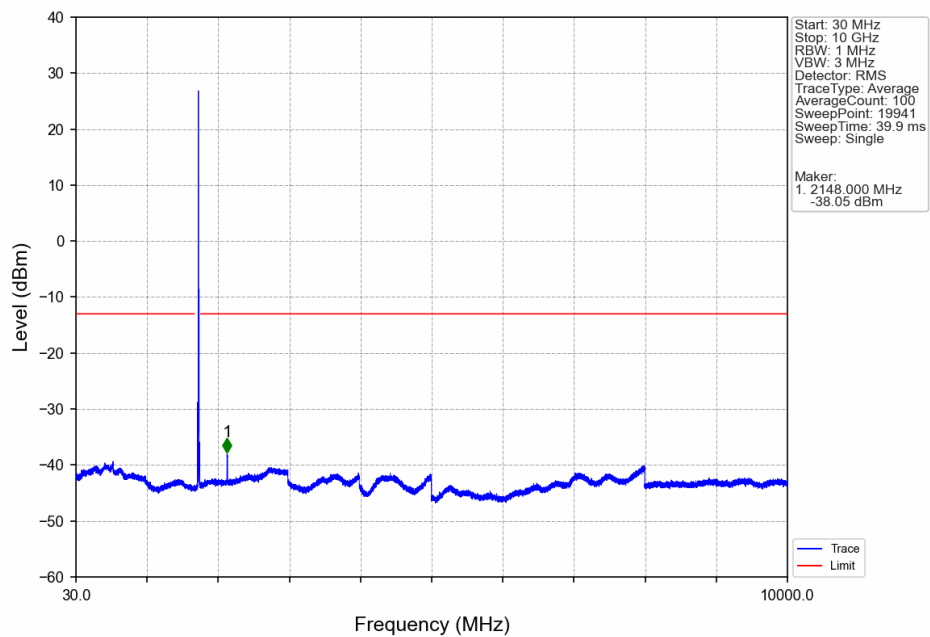
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



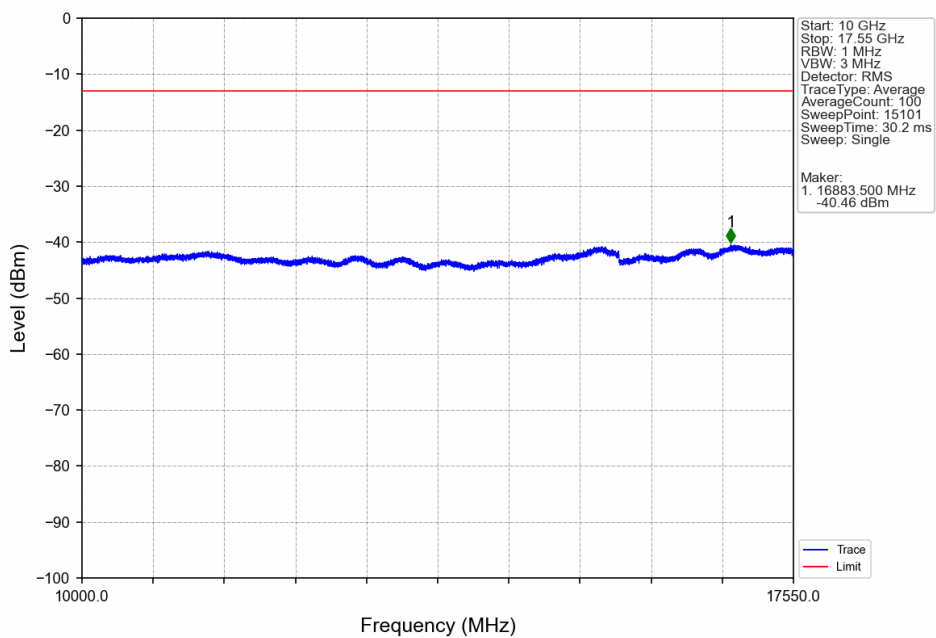
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.500	-24.38	-13	Pass
1709	1710	0.103	CHP	2	1709.980	-28.43	-13	Pass
1710	1720	0.103	CHP	/	/	/	/	/



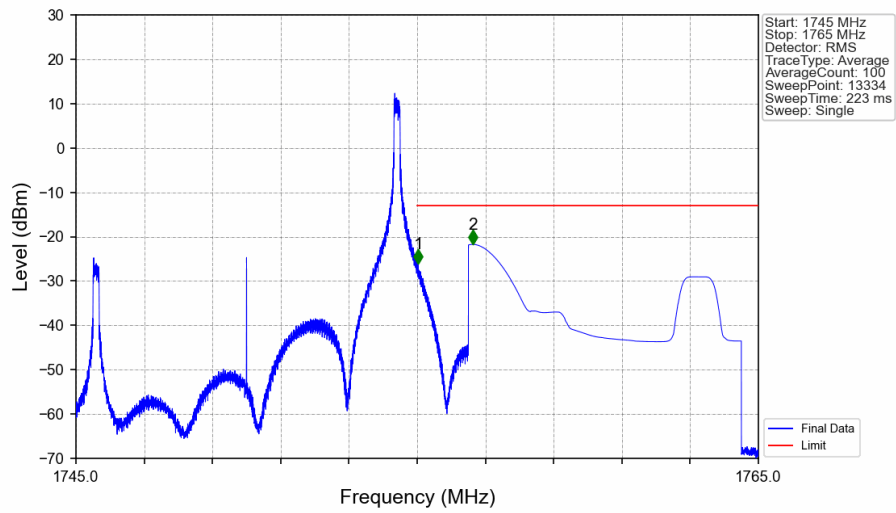
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV

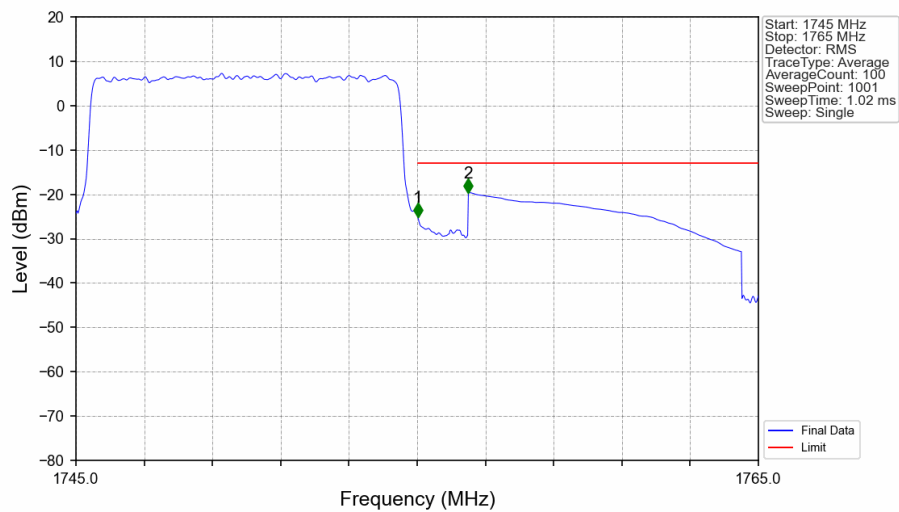


Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



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	1755.026	-26.00	-13	Pass
1756	1765	1	CHP	2	1756.627	-21.75	-13	Pass

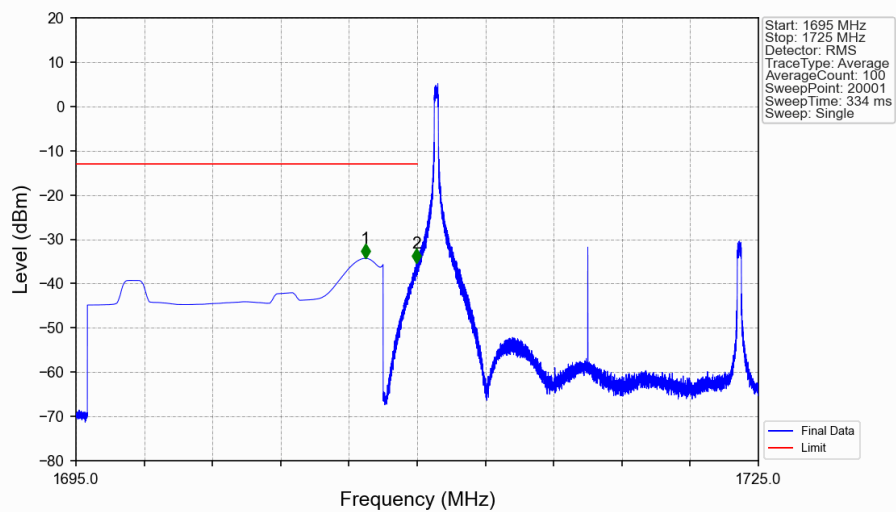
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.103	CHP	/	/	/	/	/
1755	1756	0.103	CHP	1	1755.020	-25.07	-13	Pass
1756	1765	1	CHP	2	1756.500	-19.62	-13	Pass

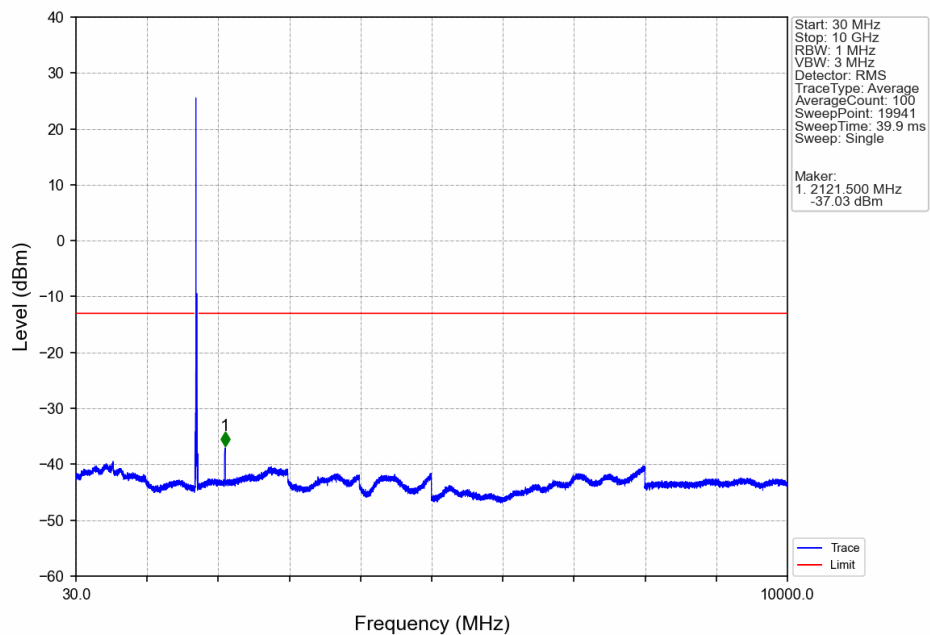
5.2.5 B4_15MHz

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

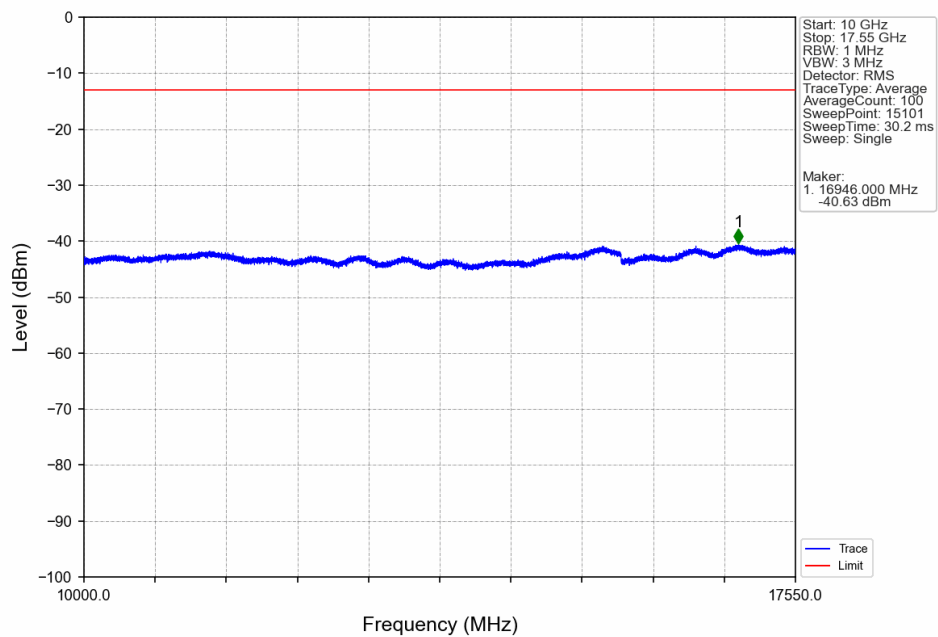


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.723	-34.30	-13	Pass
1709	1710	0.003	/	2	1709.972	-35.26	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

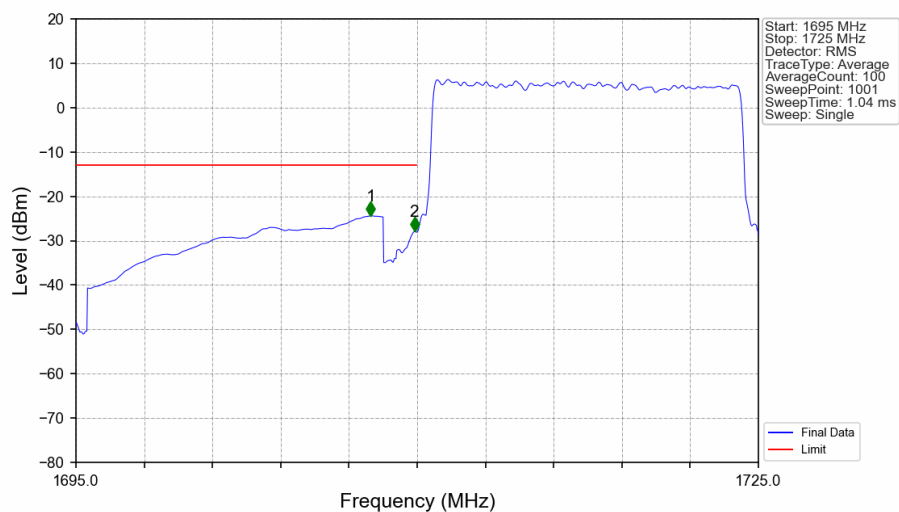
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

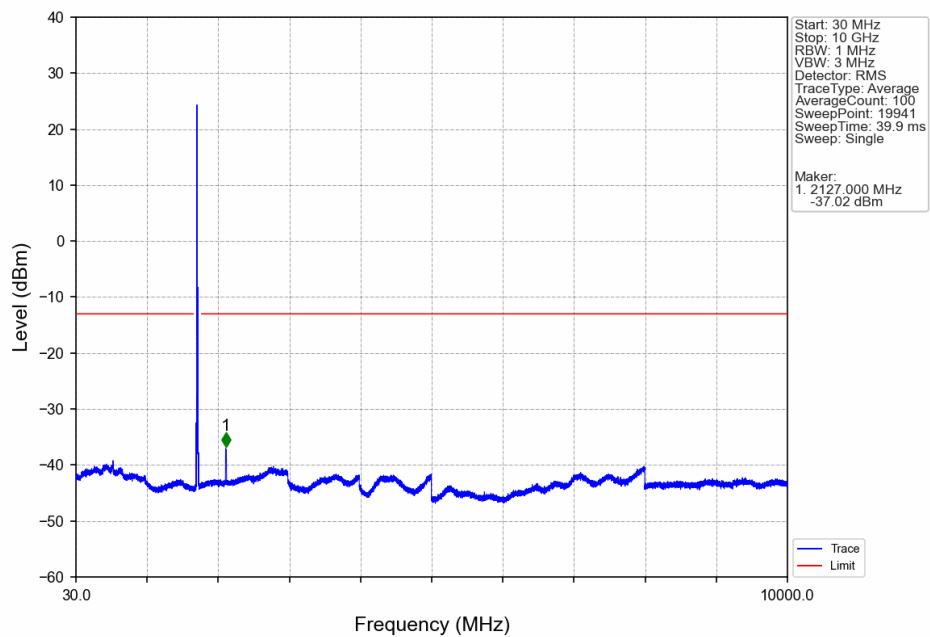


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

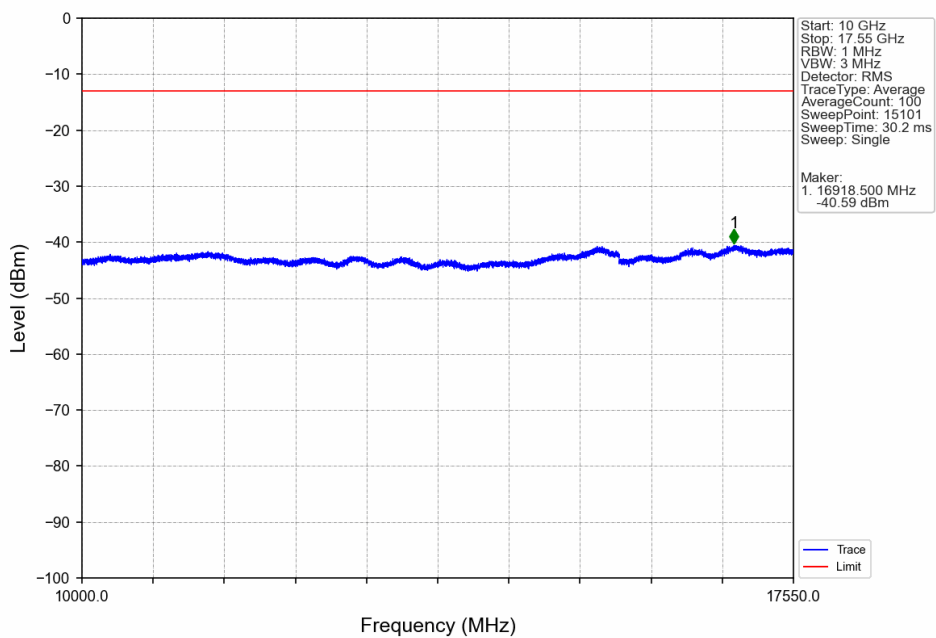


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.960	-24.40	-13	Pass
1709	1710	0.151	CHP	2	1709.880	-27.93	-13	Pass
1710	1725	0.151	CHP	/	/	/	/	/

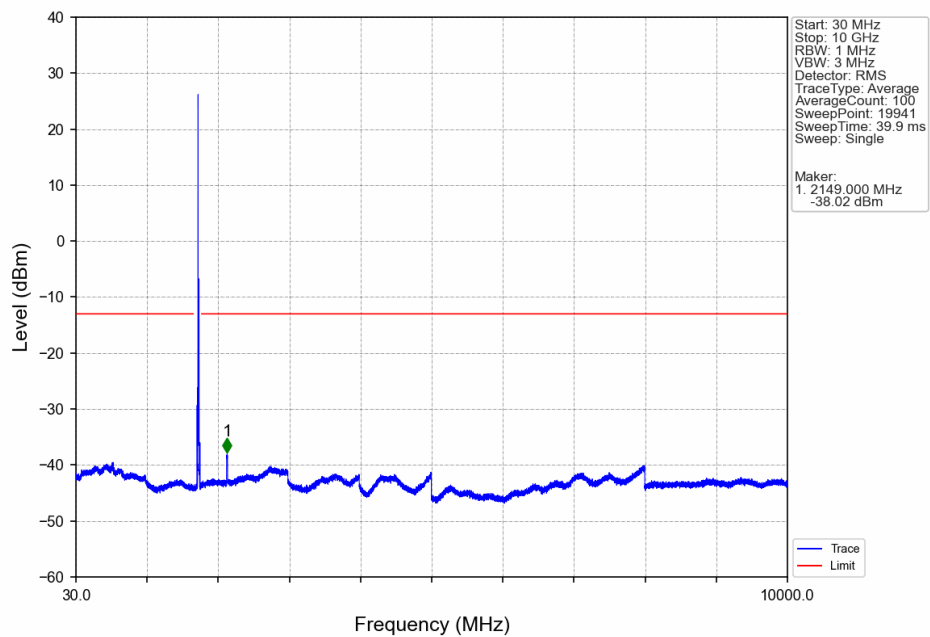
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



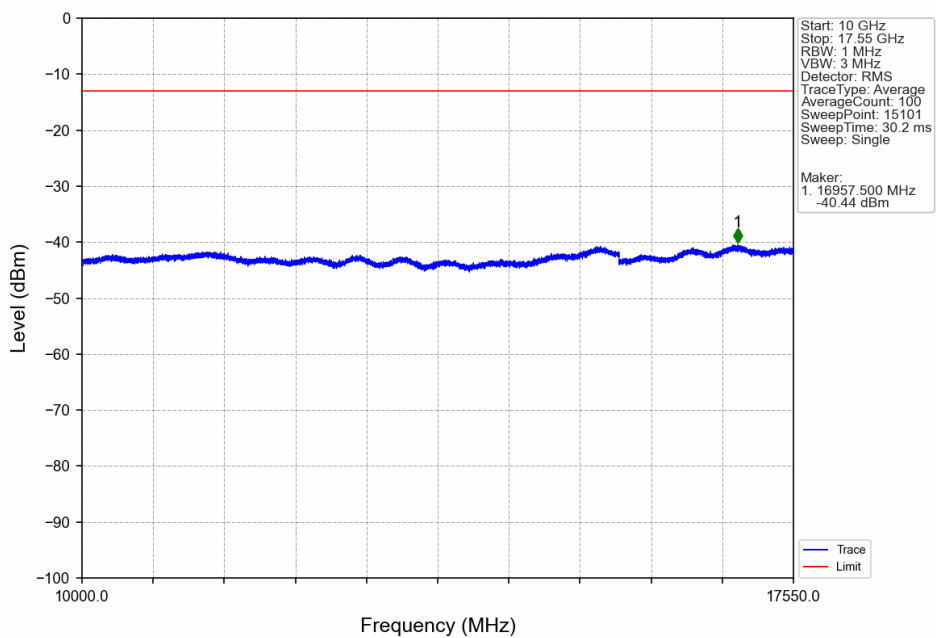
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



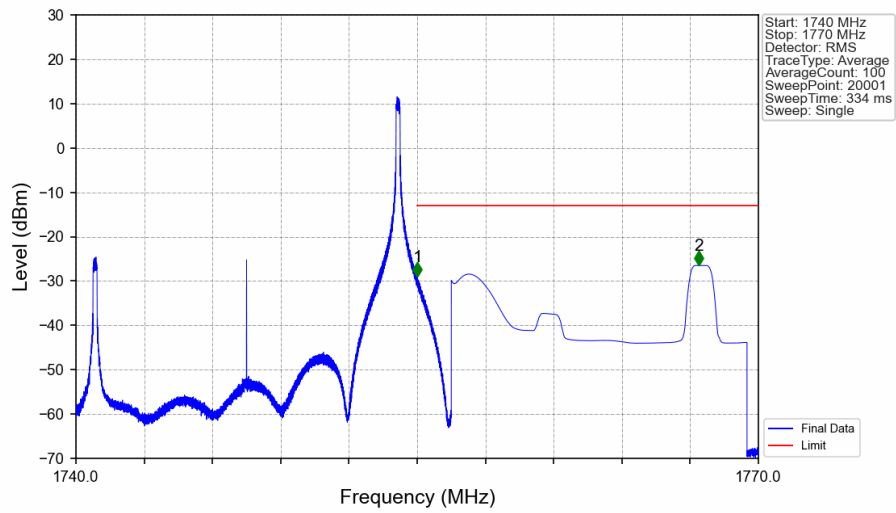
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV

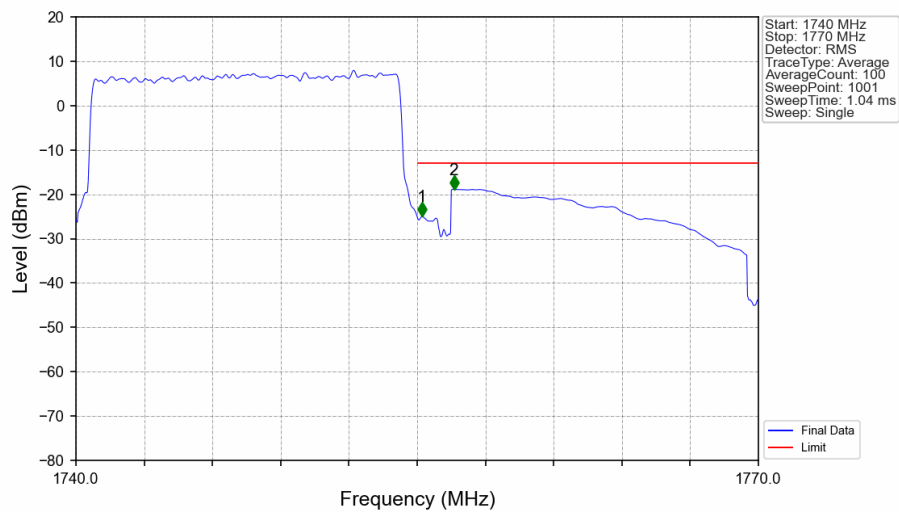


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



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	1755.005	-28.99	-13	Pass
1756	1770	1	CHP	2	1767.390	-26.49	-13	Pass

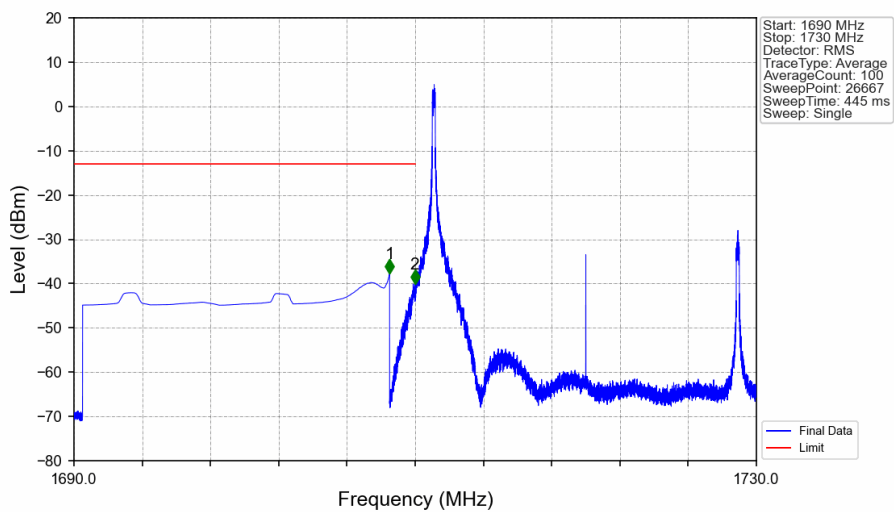
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.151	CHP	/	/	/	/	/
1755	1756	0.151	CHP	1	1755.210	-25.00	-13	Pass
1756	1770	1	CHP	2	1756.620	-18.85	-13	Pass

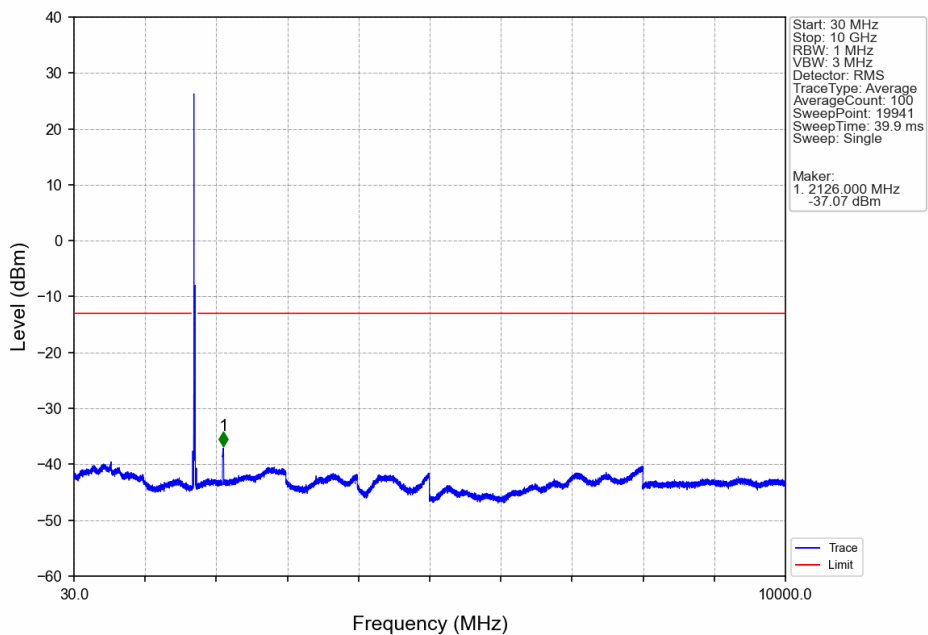
5.2.6 B4_20MHz

Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

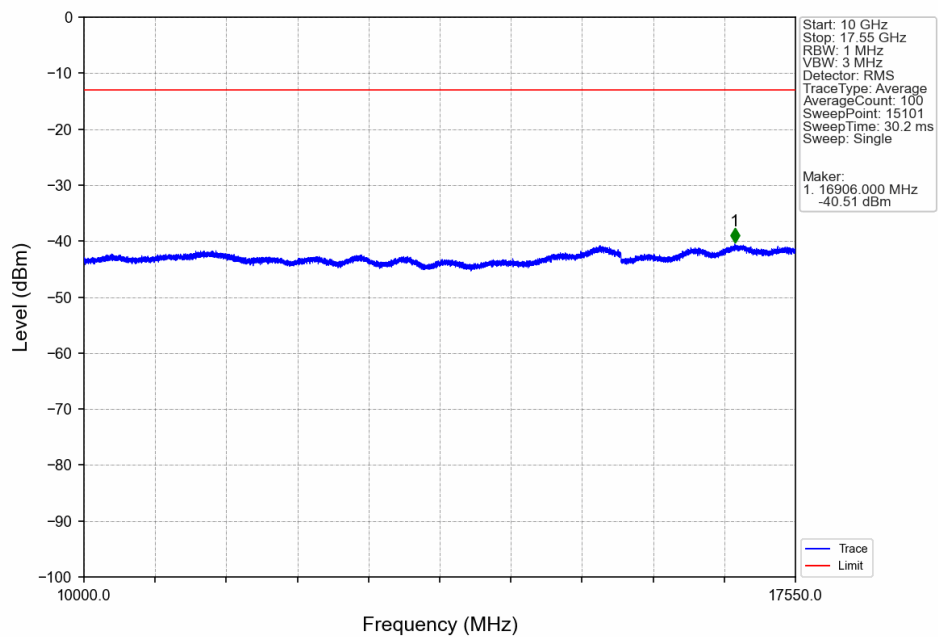


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.500	-37.64	-13	Pass
1709	1710	0.003	/	2	1709.979	-40.10	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

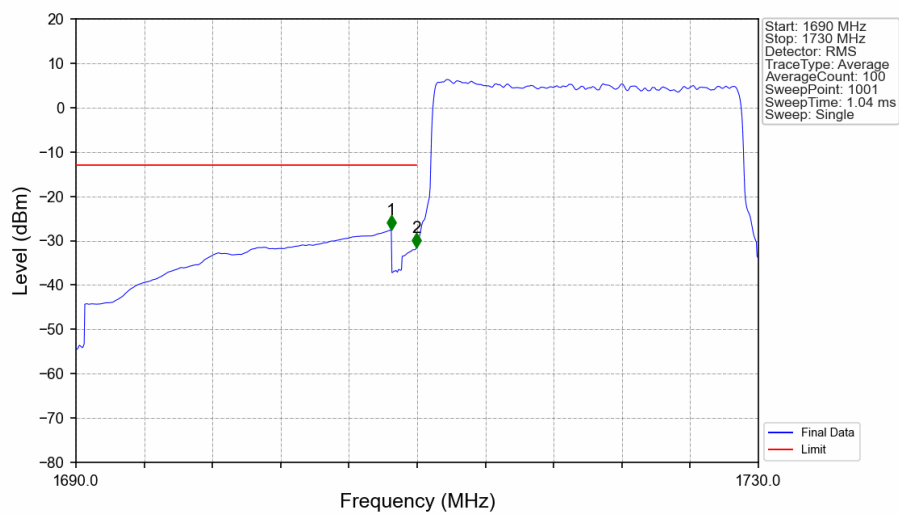
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

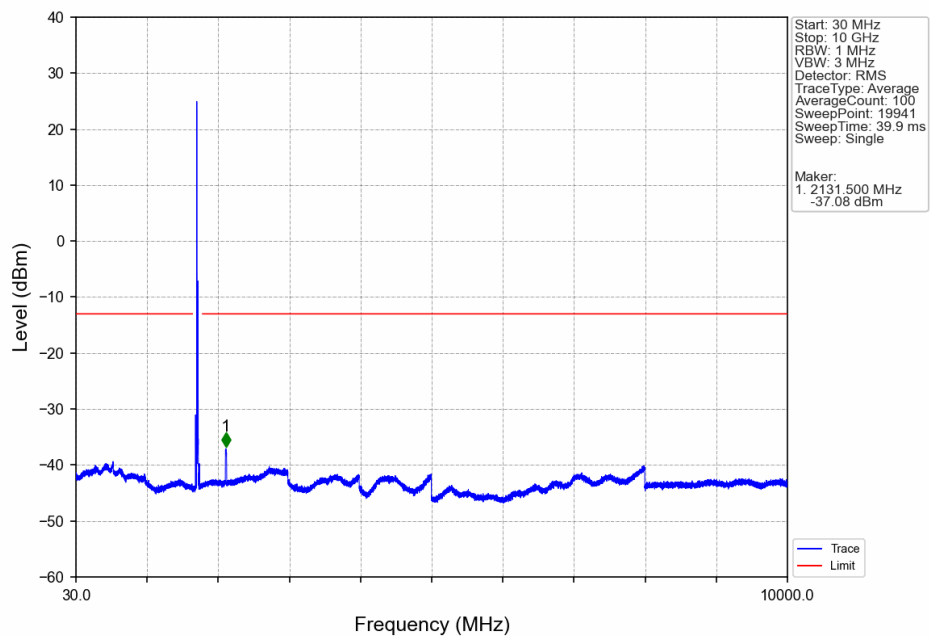


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

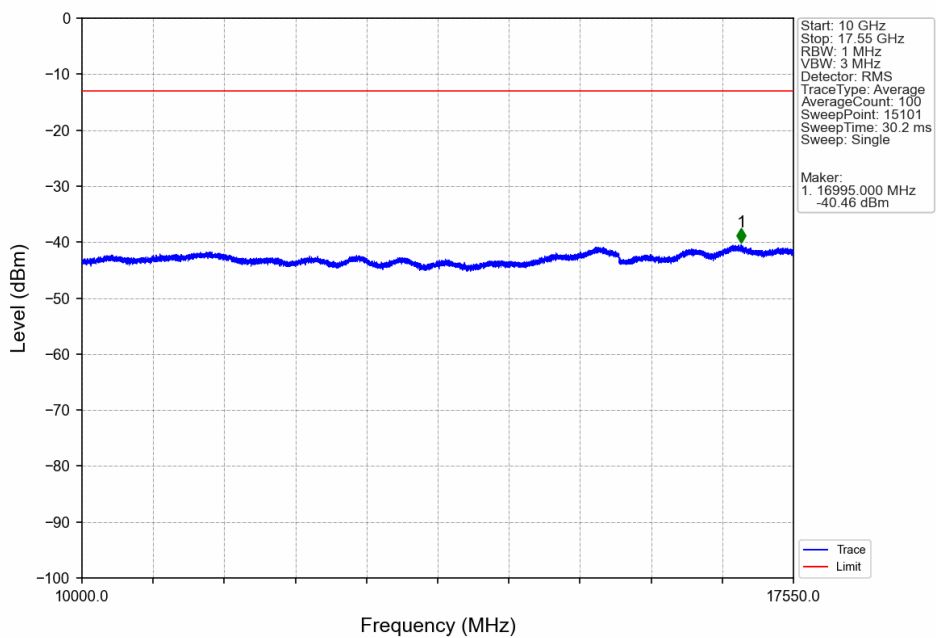


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-27.54	-13	Pass
1709	1710	0.205	CHP	2	1709.960	-31.55	-13	Pass
1710	1730	0.205	CHP	/	/	/	/	/

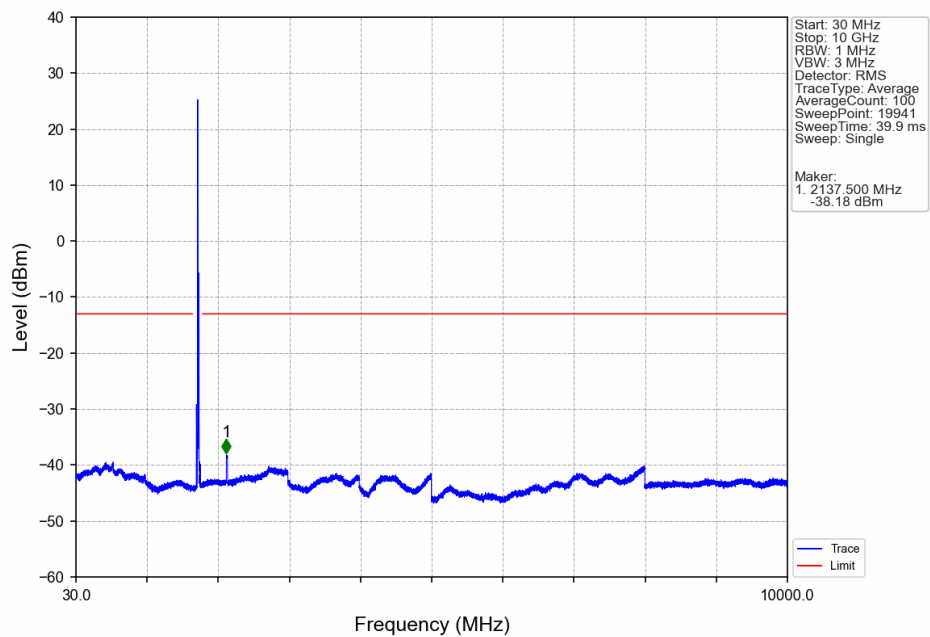
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



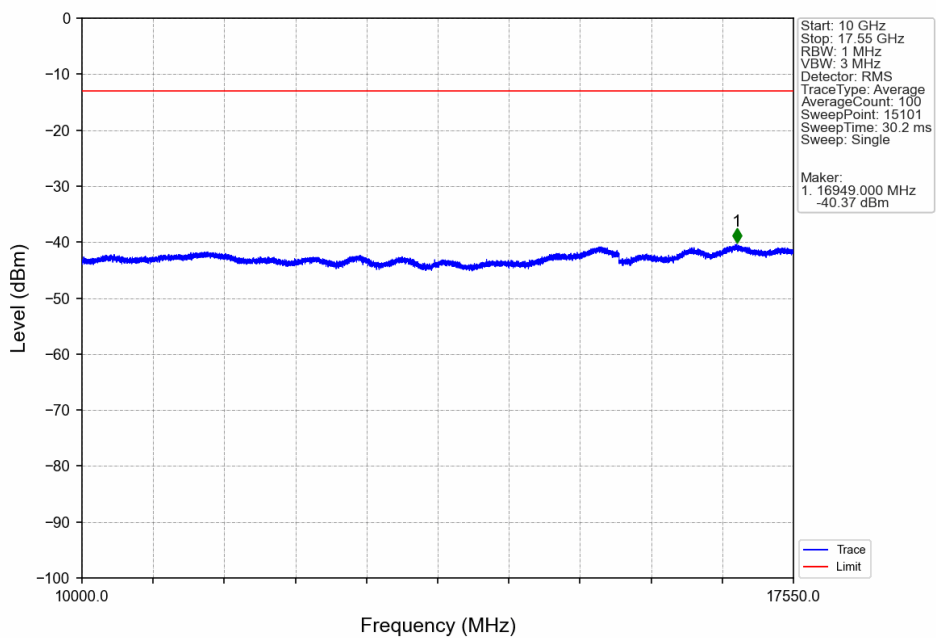
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



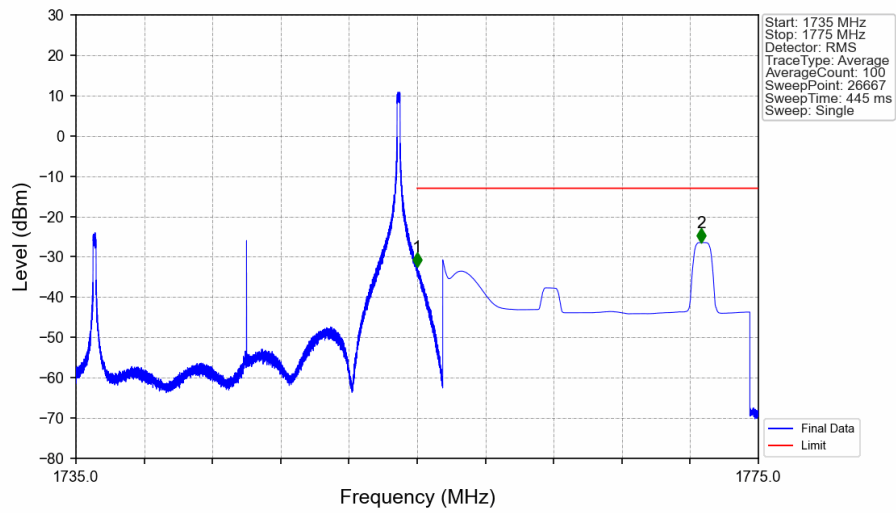
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

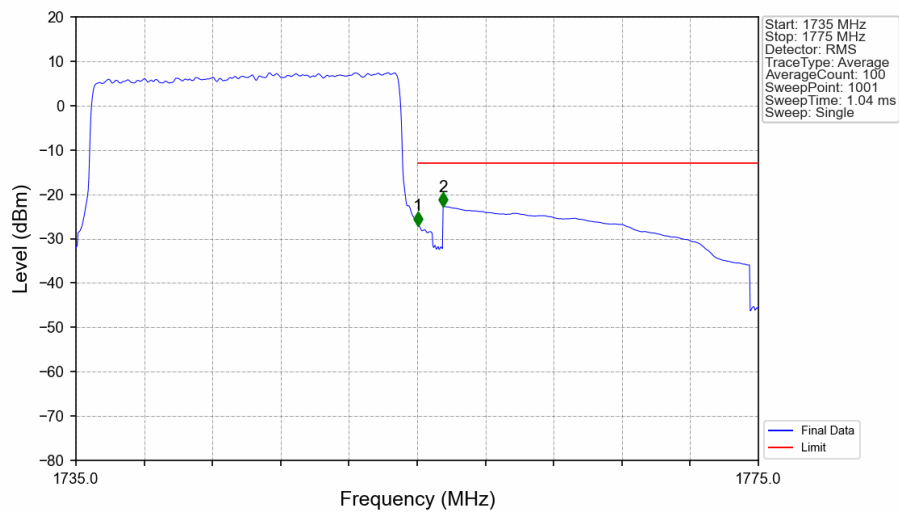


Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



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	1755.002	-32.44	-13	Pass
1756	1775	1	CHP	2	1771.647	-26.47	-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	0.205	CHP	/	/	/	/	/
1755	1756	0.205	CHP	1	1755.040	-27.03	-13	Pass
1756	1775	1	CHP	2	1756.520	-22.68	-13	Pass

- End of the Report -