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	21.46	-0.40	21.06	<=30	Pass
			2	21.47	-0.40	21.07	<=30	Pass
			5	21.34	-0.40	20.94	<=30	Pass
		3	0	21.46	-0.40	21.06	<=30	Pass
			2	21.37	-0.40	20.97	<=30	Pass
			3	21.38	-0.40	20.98	<=30	Pass
		6	0	20.34	-0.40	19.94	<=30	Pass
	1732.5	1	0	21.28	-0.40	20.88	<=30	Pass
			2	21.75	-0.40	21.35	<=30	Pass
			5	21.65	-0.40	21.25	<=30	Pass
		3	0	21.52	-0.40	21.12	<=30	Pass
			2	21.58	-0.40	21.18	<=30	Pass
			3	21.52	-0.40	21.12	<=30	Pass
		6	0	20.56	-0.40	20.16	<=30	Pass
	1754.3	1	0	21.65	-0.40	21.25	<=30	Pass
			2	21.55	-0.40	21.15	<=30	Pass
			5	21.56	-0.40	21.16	<=30	Pass
		3	0	21.63	-0.40	21.23	<=30	Pass
			2	21.57	-0.40	21.17	<=30	Pass
			3	21.57	-0.40	21.17	<=30	Pass
		6	0	20.47	-0.40	20.07	<=30	Pass
16QAM	1710.7	1	0	19.96	-0.40	19.56	<=30	Pass
			2	19.86	-0.40	19.46	<=30	Pass
			5	19.79	-0.40	19.39	<=30	Pass
		3	0	20.21	-0.40	19.81	<=30	Pass
			2	20.16	-0.40	19.76	<=30	Pass
			3	20.1	-0.40	19.7	<=30	Pass
		6	0	19.5	-0.40	19.1	<=30	Pass
	1732.5	1	0	20.61	-0.40	20.21	<=30	Pass
			2	20.83	-0.40	20.43	<=30	Pass
			5	20.83	-0.40	20.43	<=30	Pass
		3	0	20.77	-0.40	20.37	<=30	Pass
			2	20.72	-0.40	20.32	<=30	Pass
			3	20.76	-0.40	20.36	<=30	Pass
		6	0	19.79	-0.40	19.39	<=30	Pass
	1754.3	1	0	20.8	-0.40	20.4	<=30	Pass
			2	20.78	-0.40	20.38	<=30	Pass
			5	20.83	-0.40	20.43	<=30	Pass
		3	0	20.21	-0.40	19.81	<=30	Pass
			2	20.26	-0.40	19.86	<=30	Pass
			3	20.18	-0.40	19.78	<=30	Pass
		6	0	19.63	-0.40	19.23	<=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	21.43	-0.40	21.03	<=30	Pass
			7	21.21	-0.40	20.81	<=30	Pass
			14	21.37	-0.40	20.97	<=30	Pass
		8	0	20.23	-0.40	19.83	<=30	Pass
			4	20.29	-0.40	19.89	<=30	Pass
			7	20.57	-0.40	20.17	<=30	Pass
		15	0	20.16	-0.40	19.76	<=30	Pass
	1732.5	1	0	21.45	-0.40	21.05	<=30	Pass
			7	21.5	-0.40	21.1	<=30	Pass
			14	21.34	-0.40	20.94	<=30	Pass
		8	0	20.32	-0.40	19.92	<=30	Pass
			4	20.64	-0.40	20.24	<=30	Pass
			7	20.47	-0.40	20.07	<=30	Pass
		15	0	20.67	-0.40	20.27	<=30	Pass
	1753.5	1	0	21.41	-0.40	21.01	<=30	Pass
			7	21.42	-0.40	21.02	<=30	Pass
			14	21.47	-0.40	21.07	<=30	Pass
		8	0	20.56	-0.40	20.16	<=30	Pass
			4	20.53	-0.40	20.13	<=30	Pass
			7	20.56	-0.40	20.16	<=30	Pass
		15	0	20.52	-0.40	20.12	<=30	Pass
16QAM	1711.5	1	0	20.56	-0.40	20.16	<=30	Pass
			7	20.38	-0.40	19.98	<=30	Pass
			14	20.64	-0.40	20.24	<=30	Pass
		8	0	19.69	-0.40	19.29	<=30	Pass
			4	19.53	-0.40	19.13	<=30	Pass
			7	19.86	-0.40	19.46	<=30	Pass
		15	0	19.37	-0.40	18.97	<=30	Pass
	1732.5	1	0	20.2	-0.40	19.8	<=30	Pass
			7	20.25	-0.40	19.85	<=30	Pass
			14	20.1	-0.40	19.7	<=30	Pass
		8	0	19.67	-0.40	19.27	<=30	Pass
			4	19.73	-0.40	19.33	<=30	Pass
			7	19.69	-0.40	19.29	<=30	Pass
		15	0	19.69	-0.40	19.29	<=30	Pass
	1753.5	1	0	21.27	-0.40	20.87	<=30	Pass
			7	21.2	-0.40	20.8	<=30	Pass
			14	21.3	-0.40	20.9	<=30	Pass
		8	0	19.76	-0.40	19.36	<=30	Pass
			4	19.74	-0.40	19.34	<=30	Pass
			7	19.73	-0.40	19.33	<=30	Pass
		15	0	19.72	-0.40	19.32	<=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	21.41	-0.40	21.01	<=30	Pass
			13	21.32	-0.40	20.92	<=30	Pass
			24	21.38	-0.40	20.98	<=30	Pass
		12	0	20.25	-0.40	19.85	<=30	Pass
			6	20.52	-0.40	20.12	<=30	Pass
			13	20.33	-0.40	19.93	<=30	Pass
		25	0	20.51	-0.40	20.11	<=30	Pass
	1732.5	1	0	21.59	-0.40	21.19	<=30	Pass
			13	21.47	-0.40	21.07	<=30	Pass
			24	21.52	-0.40	21.12	<=30	Pass
		12	0	20.39	-0.40	19.99	<=30	Pass
			6	20.56	-0.40	20.16	<=30	Pass
			13	20.45	-0.40	20.05	<=30	Pass
		25	0	20.58	-0.40	20.18	<=30	Pass
	1752.5	1	0	21.59	-0.40	21.19	<=30	Pass
			13	21.57	-0.40	21.17	<=30	Pass
			24	21.56	-0.40	21.16	<=30	Pass
		12	0	20.58	-0.40	20.18	<=30	Pass
			6	20.6	-0.40	20.2	<=30	Pass
			13	20.65	-0.40	20.25	<=30	Pass
		25	0	20.59	-0.40	20.19	<=30	Pass
16QAM	1712.5	1	0	19.76	-0.40	19.36	<=30	Pass
			13	19.73	-0.40	19.33	<=30	Pass
			24	19.62	-0.40	19.22	<=30	Pass
		12	0	19.33	-0.40	18.93	<=30	Pass
			6	19.59	-0.40	19.19	<=30	Pass
			13	19.31	-0.40	18.91	<=30	Pass
		25	0	19.6	-0.40	19.2	<=30	Pass
	1732.5	1	0	20.61	-0.40	20.21	<=30	Pass
			13	20.61	-0.40	20.21	<=30	Pass
			24	20.65	-0.40	20.25	<=30	Pass
		12	0	19.66	-0.40	19.26	<=30	Pass
			6	19.63	-0.40	19.23	<=30	Pass
			13	19.46	-0.40	19.06	<=30	Pass
		25	0	19.66	-0.40	19.26	<=30	Pass
	1752.5	1	0	20.57	-0.40	20.17	<=30	Pass
			13	20.57	-0.40	20.17	<=30	Pass
			24	20.62	-0.40	20.22	<=30	Pass
		12	0	19.65	-0.40	19.25	<=30	Pass
			6	19.69	-0.40	19.29	<=30	Pass
			13	19.68	-0.40	19.28	<=30	Pass
		25	0	19.66	-0.40	19.26	<=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	21.49	-0.40	21.09	<=30	Pass
			25	21.5	-0.40	21.1	<=30	Pass
			49	21.42	-0.40	21.02	<=30	Pass
		25	0	20.45	-0.40	20.05	<=30	Pass
			13	20.43	-0.40	20.03	<=30	Pass

			25	20.51	-0.40	20.11	<=30	Pass
		50	0	20.33	-0.40	19.93	<=30	Pass
	1732.5	1	0	21.42	-0.40	21.02	<=30	Pass
			25	21.67	-0.40	21.27	<=30	Pass
			49	21.67	-0.40	21.27	<=30	Pass
		25	0	20.68	-0.40	20.28	<=30	Pass
			13	20.64	-0.40	20.24	<=30	Pass
			25	20.57	-0.40	20.17	<=30	Pass
		50	0	20.68	-0.40	20.28	<=30	Pass
	1750	1	0	21.55	-0.40	21.15	<=30	Pass
			25	21.58	-0.40	21.18	<=30	Pass
			49	21.6	-0.40	21.2	<=30	Pass
		25	0	20.58	-0.40	20.18	<=30	Pass
			13	20.62	-0.40	20.22	<=30	Pass
			25	20.56	-0.40	20.16	<=30	Pass
		50	0	20.67	-0.40	20.27	<=30	Pass
16QAM	1715	1	0	20.78	-0.40	20.38	<=30	Pass
			25	20.77	-0.40	20.37	<=30	Pass
			49	20.85	-0.40	20.45	<=30	Pass
		25	0	19.58	-0.40	19.18	<=30	Pass
			13	19.34	-0.40	18.94	<=30	Pass
			25	19.53	-0.40	19.13	<=30	Pass
		50	0	19.36	-0.40	18.96	<=30	Pass
	1732.5	1	0	19.87	-0.40	19.47	<=30	Pass
			25	20.07	-0.40	19.67	<=30	Pass
			49	20.1	-0.40	19.7	<=30	Pass
		25	0	19.95	-0.40	19.55	<=30	Pass
			13	19.81	-0.40	19.41	<=30	Pass
			25	19.76	-0.40	19.36	<=30	Pass
		50	0	19.62	-0.40	19.22	<=30	Pass
	1750	1	0	21.07	-0.40	20.67	<=30	Pass
			25	21.08	-0.40	20.68	<=30	Pass
			49	21.04	-0.40	20.64	<=30	Pass
		25	0	19.59	-0.40	19.19	<=30	Pass
			13	19.69	-0.40	19.29	<=30	Pass
			25	19.78	-0.40	19.38	<=30	Pass
		50	0	19.73	-0.40	19.33	<=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	21.36	-0.40	20.96	<=30	Pass
			38	21.28	-0.40	20.88	<=30	Pass
			74	21.57	-0.40	21.17	<=30	Pass
		36	0	20.54	-0.40	20.14	<=30	Pass
			18	20.4	-0.40	20	<=30	Pass
			39	20.34	-0.40	19.94	<=30	Pass
		75	0	20.37	-0.40	19.97	<=30	Pass
	1732.5	1	0	21.22	-0.40	20.82	<=30	Pass
			38	21.42	-0.40	21.02	<=30	Pass
			74	21.32	-0.40	20.92	<=30	Pass

		36	0	20.49	-0.40	20.09	<=30	Pass
			18	20.59	-0.40	20.19	<=30	Pass
			39	20.56	-0.40	20.16	<=30	Pass
		75	0	20.59	-0.40	20.19	<=30	Pass
	1747.5	1	0	21.59	-0.40	21.19	<=30	Pass
			38	21.52	-0.40	21.12	<=30	Pass
			74	21.52	-0.40	21.12	<=30	Pass
		36	0	20.67	-0.40	20.27	<=30	Pass
			18	20.65	-0.40	20.25	<=30	Pass
			39	20.56	-0.40	20.16	<=30	Pass
		75	0	20.52	-0.40	20.12	<=30	Pass
16QAM	1717.5	1	0	20.66	-0.40	20.26	<=30	Pass
			38	20.72	-0.40	20.32	<=30	Pass
			74	21.01	-0.40	20.61	<=30	Pass
		36	0	19.46	-0.40	19.06	<=30	Pass
			18	19.48	-0.40	19.08	<=30	Pass
			39	19.54	-0.40	19.14	<=30	Pass
		75	0	19.35	-0.40	18.95	<=30	Pass
	1732.5	1	0	20.58	-0.40	20.18	<=30	Pass
			38	20.81	-0.40	20.41	<=30	Pass
			74	20.7	-0.40	20.3	<=30	Pass
		36	0	19.48	-0.40	19.08	<=30	Pass
			18	19.65	-0.40	19.25	<=30	Pass
			39	19.69	-0.40	19.29	<=30	Pass
		75	0	19.59	-0.40	19.19	<=30	Pass
	1747.5	1	0	21.03	-0.40	20.63	<=30	Pass
			38	20.99	-0.40	20.59	<=30	Pass
			74	20.98	-0.40	20.58	<=30	Pass
		36	0	19.75	-0.40	19.35	<=30	Pass
			18	19.57	-0.40	19.17	<=30	Pass
			39	19.65	-0.40	19.25	<=30	Pass
		75	0	19.71	-0.40	19.31	<=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	21.35	-0.40	20.95	<=30	Pass
			50	21.1	-0.40	20.7	<=30	Pass
			99	21.44	-0.40	21.04	<=30	Pass
		50	0	20.26	-0.40	19.86	<=30	Pass
			25	20.33	-0.40	19.93	<=30	Pass
			50	20.55	-0.40	20.15	<=30	Pass
		100	0	20.2	-0.40	19.8	<=30	Pass
	1732.5	1	0	21.45	-0.40	21.05	<=30	Pass
			50	21.64	-0.40	21.24	<=30	Pass
			99	21.61	-0.40	21.21	<=30	Pass
		50	0	20.27	-0.40	19.87	<=30	Pass
			25	20.63	-0.40	20.23	<=30	Pass
			50	20.57	-0.40	20.17	<=30	Pass
		100	0	20.54	-0.40	20.14	<=30	Pass
	1745	1	0	21.39	-0.40	20.99	<=30	Pass

			50	21.55	-0.40	21.15	<=30	Pass
			99	21.47	-0.40	21.07	<=30	Pass
		50	0	20.53	-0.40	20.13	<=30	Pass
			25	20.52	-0.40	20.12	<=30	Pass
			50	20.52	-0.40	20.12	<=30	Pass
		100	0	20.59	-0.40	20.19	<=30	Pass
16QAM	1720	1	0	20.32	-0.40	19.92	<=30	Pass
			50	20.29	-0.40	19.89	<=30	Pass
			99	20.52	-0.40	20.12	<=30	Pass
		50	0	19.29	-0.40	18.89	<=30	Pass
			25	19.38	-0.40	18.98	<=30	Pass
			50	19.66	-0.40	19.26	<=30	Pass
		100	0	19.23	-0.40	18.83	<=30	Pass
	1732.5	1	0	21.2	-0.40	20.8	<=30	Pass
			50	21.25	-0.40	20.85	<=30	Pass
			99	21.2	-0.40	20.8	<=30	Pass
		50	0	19.31	-0.40	18.91	<=30	Pass
			25	19.56	-0.40	19.16	<=30	Pass
			50	19.47	-0.40	19.07	<=30	Pass
		100	0	19.57	-0.40	19.17	<=30	Pass
	1745	1	0	20.74	-0.40	20.34	<=30	Pass
			50	20.89	-0.40	20.49	<=30	Pass
			99	20.86	-0.40	20.46	<=30	Pass
		50	0	19.73	-0.40	19.33	<=30	Pass
			25	19.71	-0.40	19.31	<=30	Pass
			50	19.66	-0.40	19.26	<=30	Pass
		100	0	19.54	-0.40	19.14	<=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	-13.976	-0.0081	-2.5 to 2.5	Pass
					NV	-5.980	-0.0035	-2.5 to 2.5	Pass
					HV	-17.138	-0.0099	-2.5 to 2.5	Pass
				-30	NV	-24.691	-0.0143	-2.5 to 2.5	Pass
				-20	NV	-22.516	-0.0130	-2.5 to 2.5	Pass
				-10	NV	-21.243	-0.0123	-2.5 to 2.5	Pass
				0	NV	-16.823	-0.0097	-2.5 to 2.5	Pass
				10	NV	-16.651	-0.0096	-2.5 to 2.5	Pass
				30	NV	-25.649	-0.0148	-2.5 to 2.5	Pass
				40	NV	-0.086	0.0000	-2.5 to 2.5	Pass
				50	NV	-27.881	-0.0161	-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	1.121	/	Pass
	16QAM	1732.5	6	0	1.116	/	Pass
3	QPSK	1732.5	15	0	2.760	/	Pass
	16QAM	1732.5	15	0	2.772	/	Pass
5	QPSK	1732.5	25	0	4.588	/	Pass
	16QAM	1732.5	25	0	4.565	/	Pass
10	QPSK	1732.5	50	0	9.078	/	Pass
	16QAM	1732.5	50	0	9.097	/	Pass
15	QPSK	1732.5	75	0	13.611	/	Pass
	16QAM	1732.5	75	0	13.596	/	Pass
20	QPSK	1732.5	100	0	18.166	/	Pass
	16QAM	1732.5	100	0	18.236	/	Pass

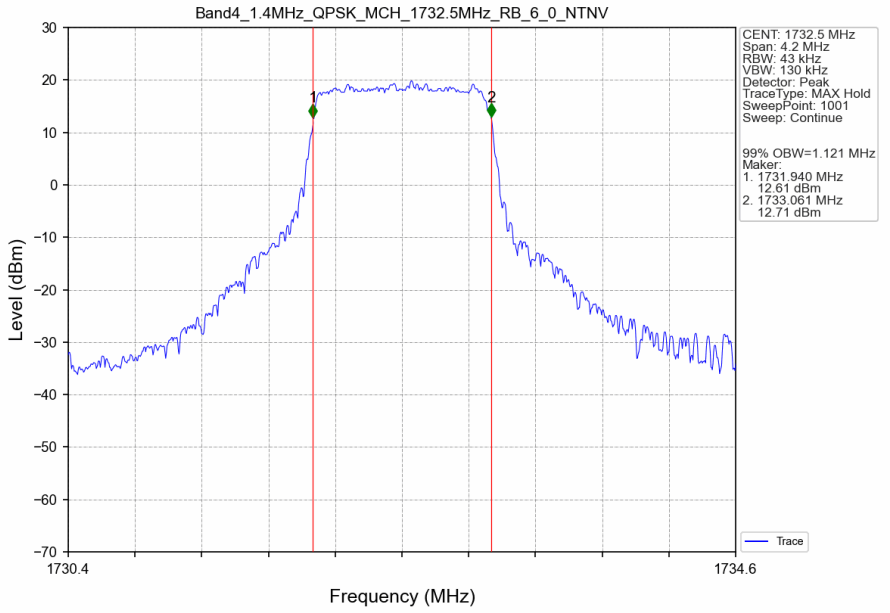
3.1.2 Band4_XDB

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	1.330	/	Pass
3	QPSK	1732.5	15	0	3.112	/	Pass
	16QAM	1732.5	15	0	3.134	/	Pass
5	QPSK	1732.5	25	0	5.578	/	Pass
	16QAM	1732.5	25	0	5.645	/	Pass
10	QPSK	1732.5	50	0	10.390	/	Pass
	16QAM	1732.5	50	0	10.242	/	Pass
15	QPSK	1732.5	75	0	15.989	/	Pass
	16QAM	1732.5	75	0	15.354	/	Pass
20	QPSK	1732.5	100	0	20.597	/	Pass
	16QAM	1732.5	100	0	20.462	/	Pass

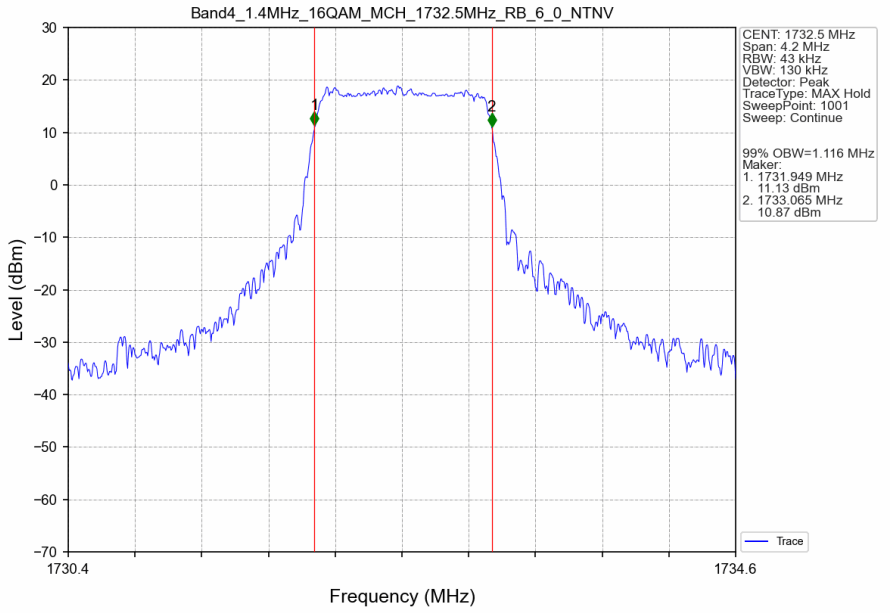
3.2 Test Graph

3.2.1 Band4_OBW

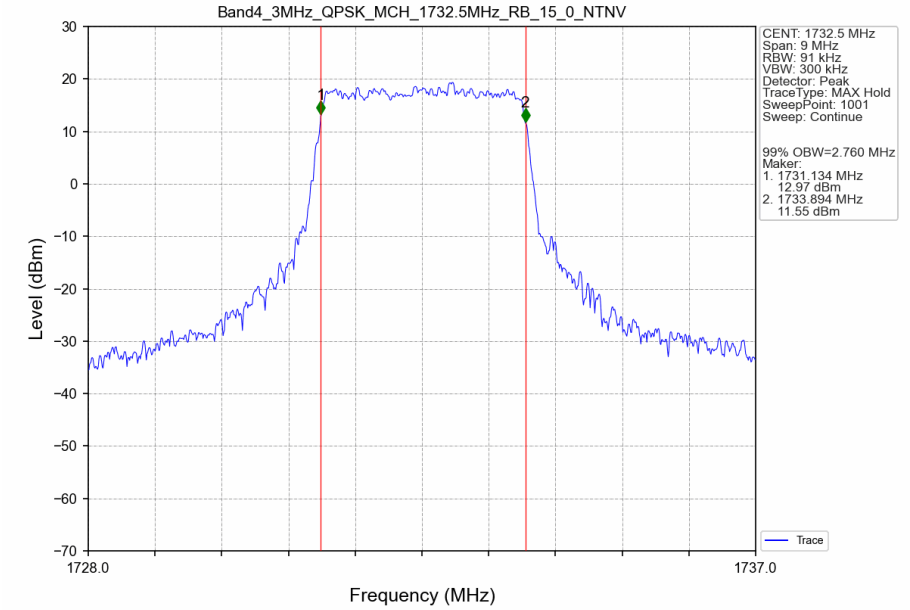
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



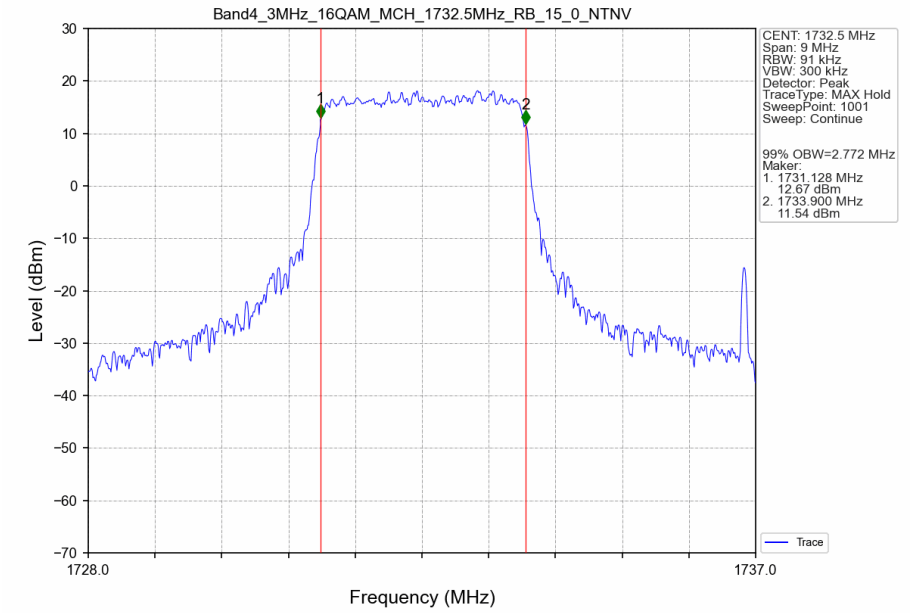
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



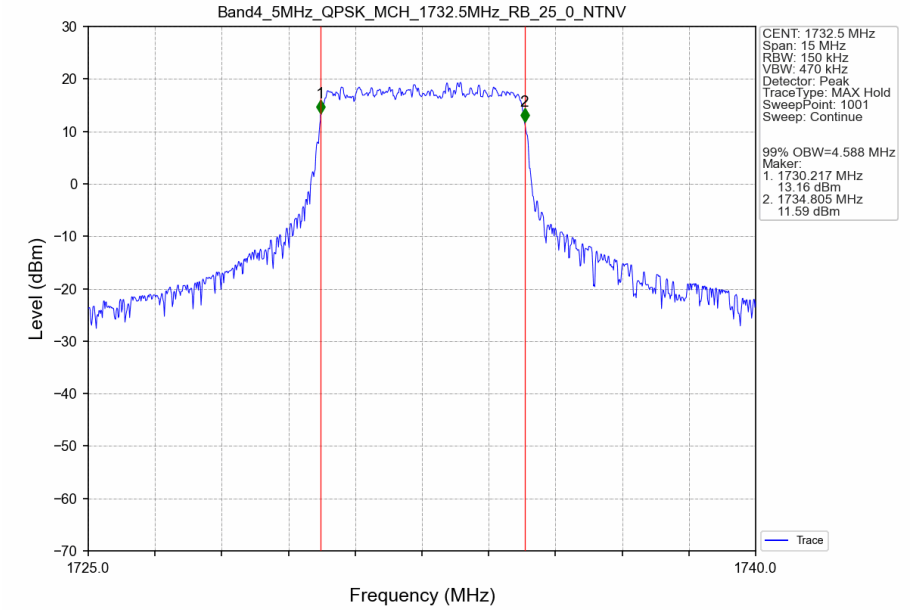
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



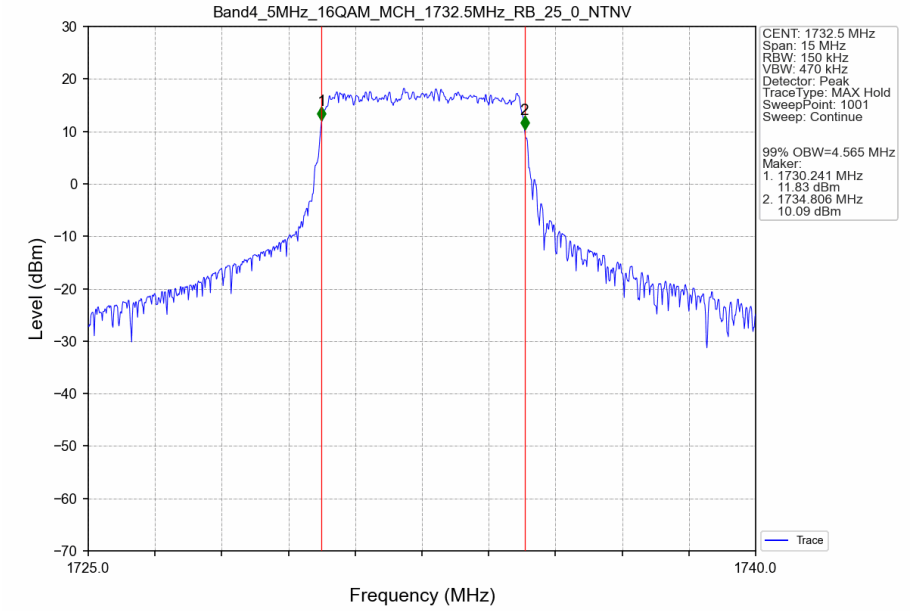
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



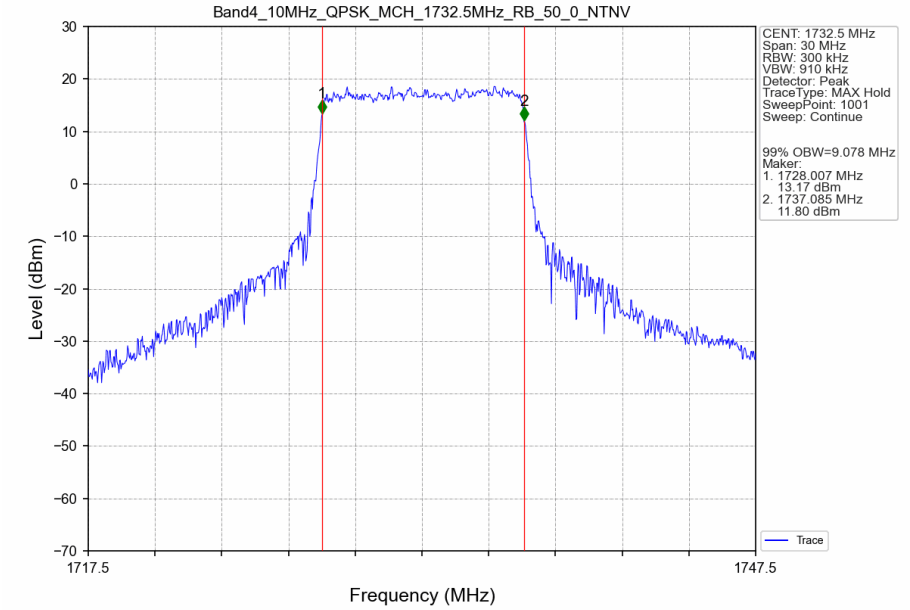
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



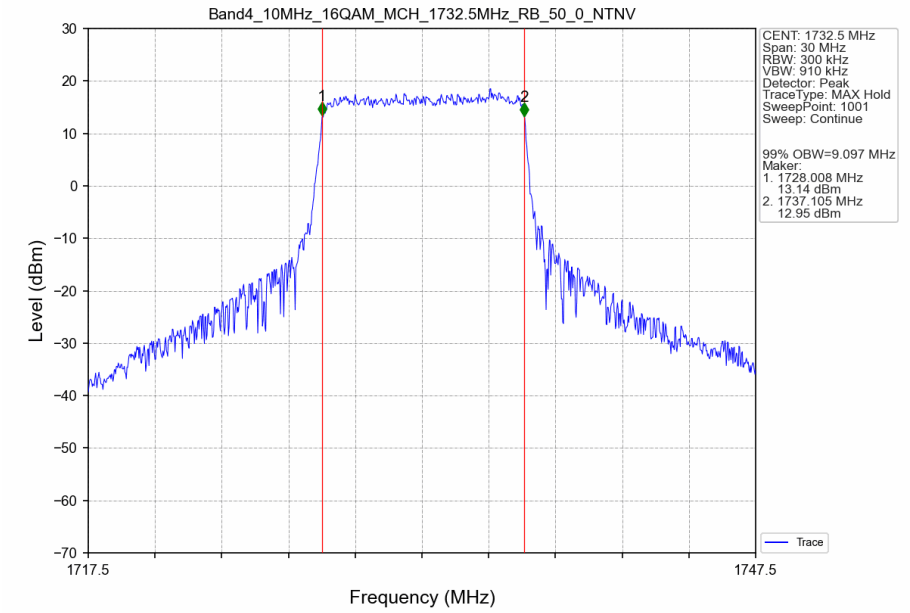
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



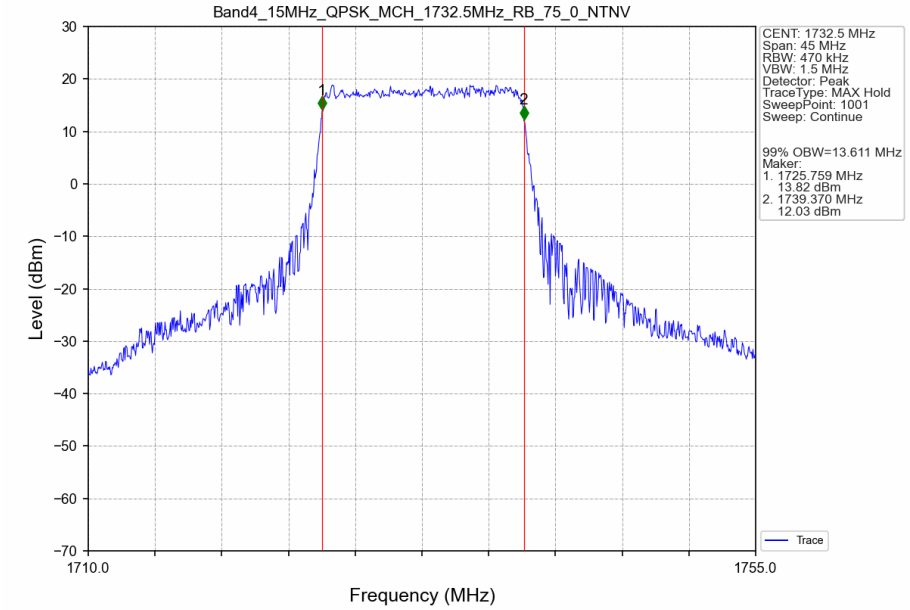
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



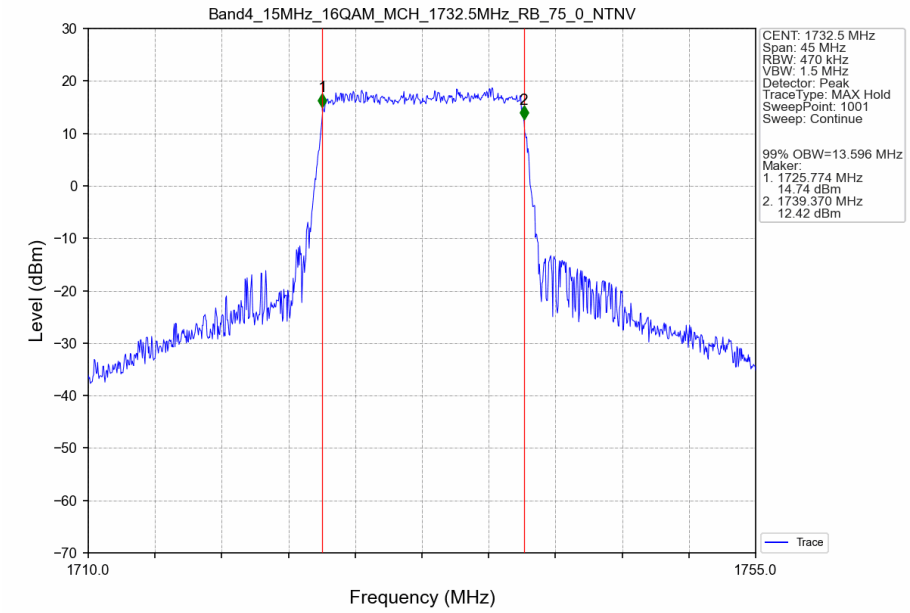
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



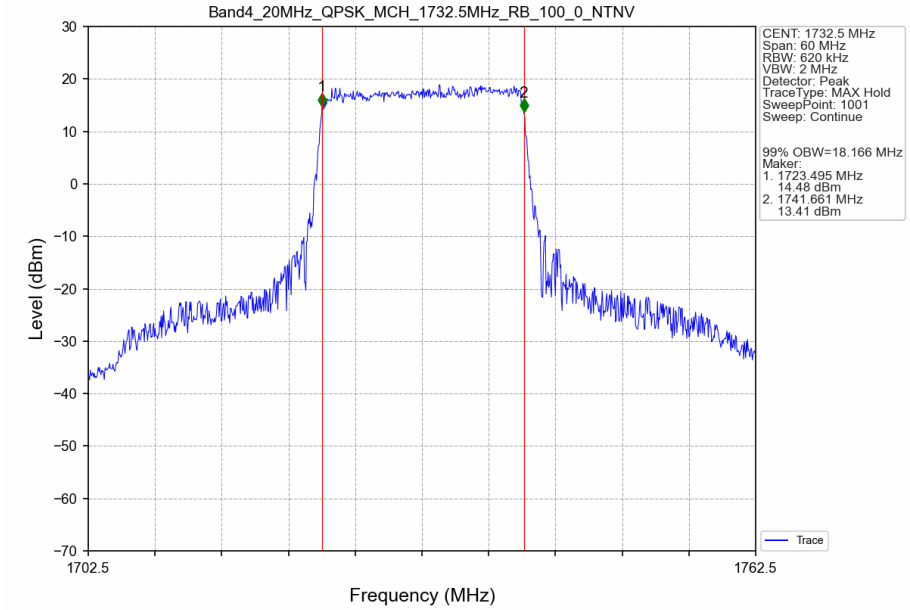
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



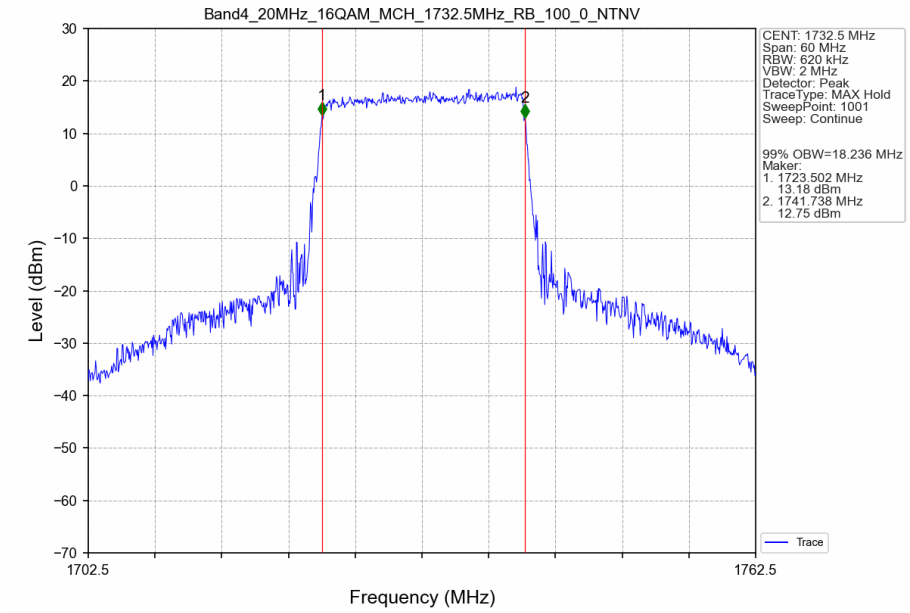
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

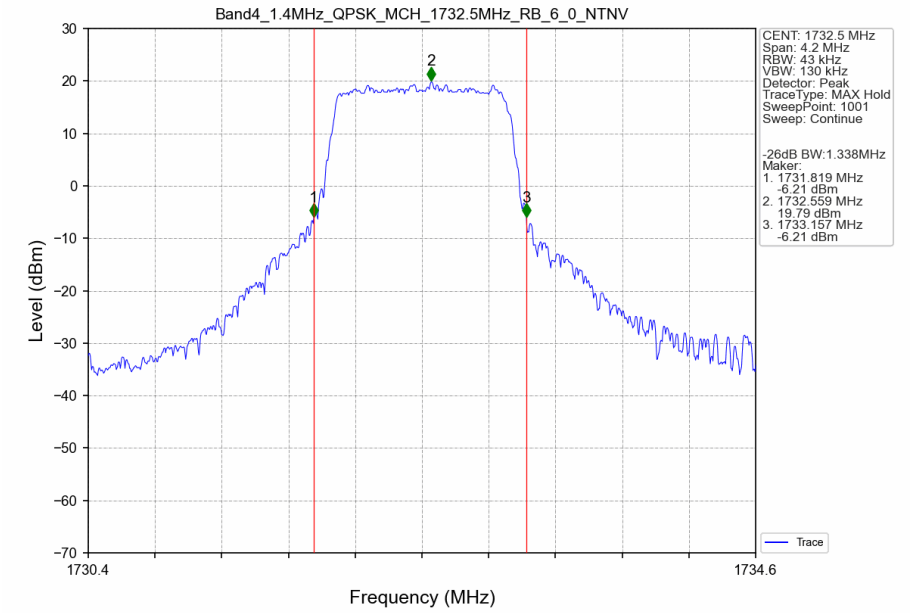


Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

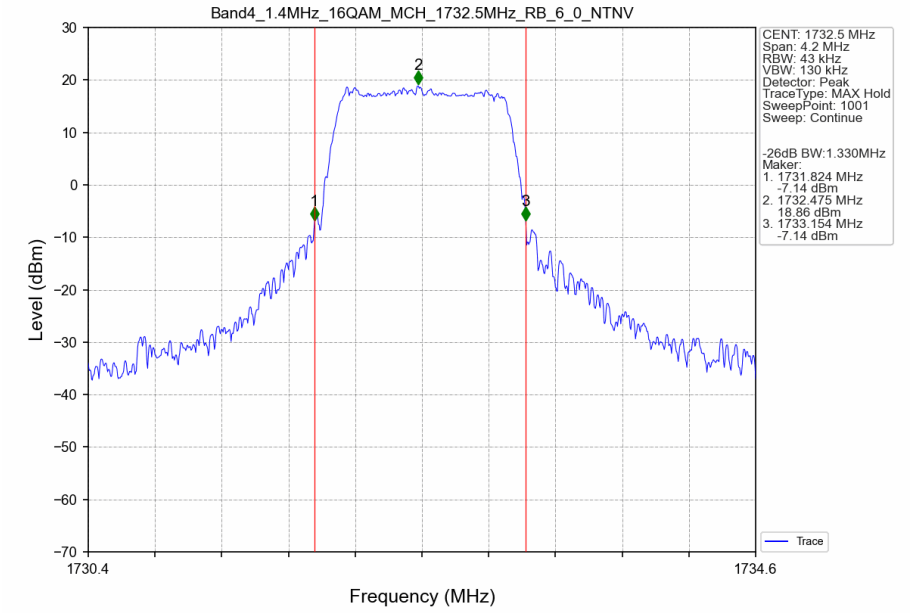


3.2.2 Band4_XDB

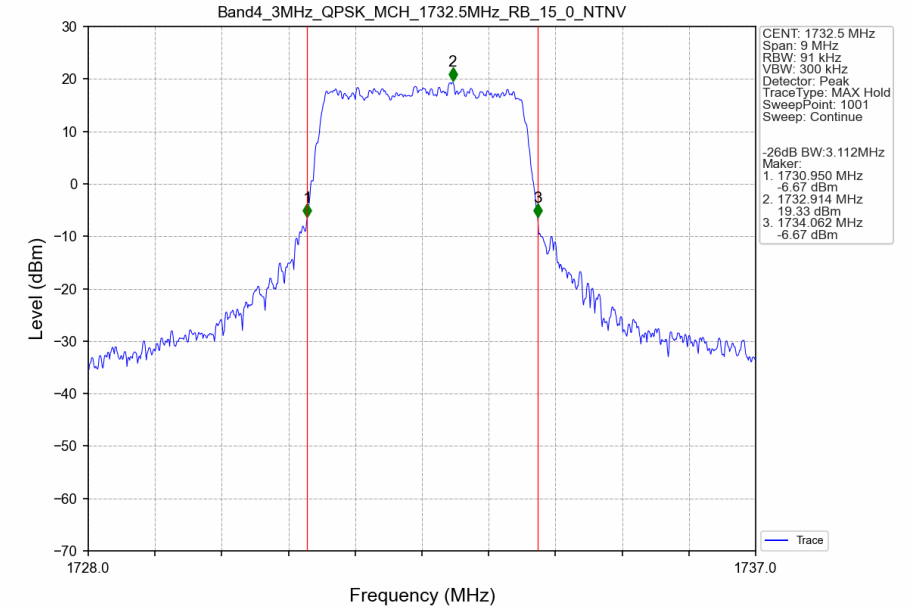
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



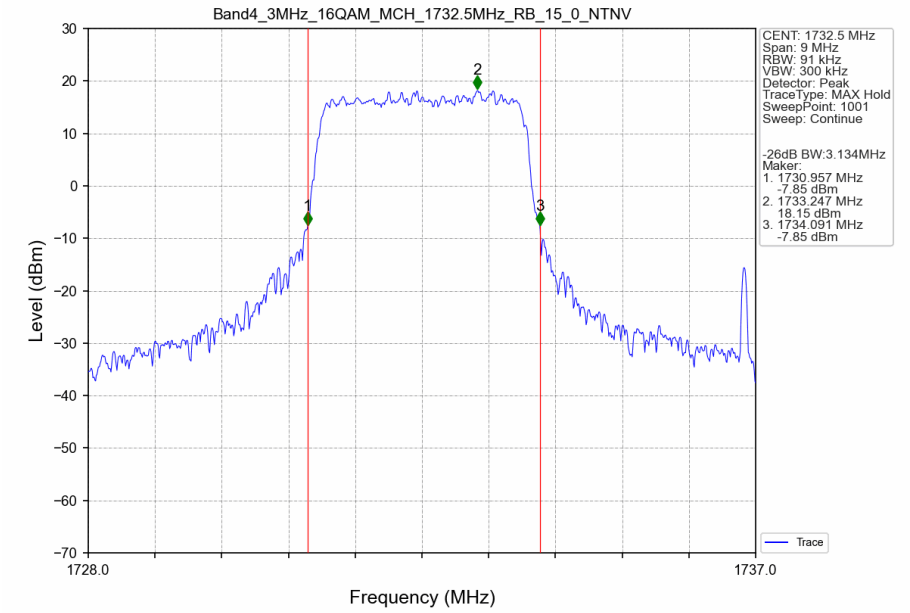
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



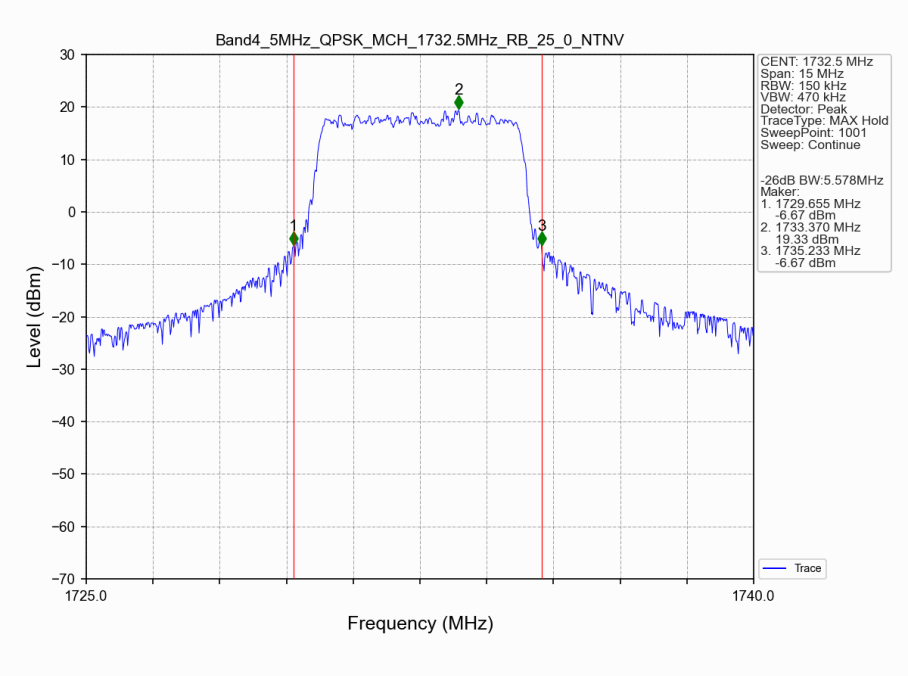
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



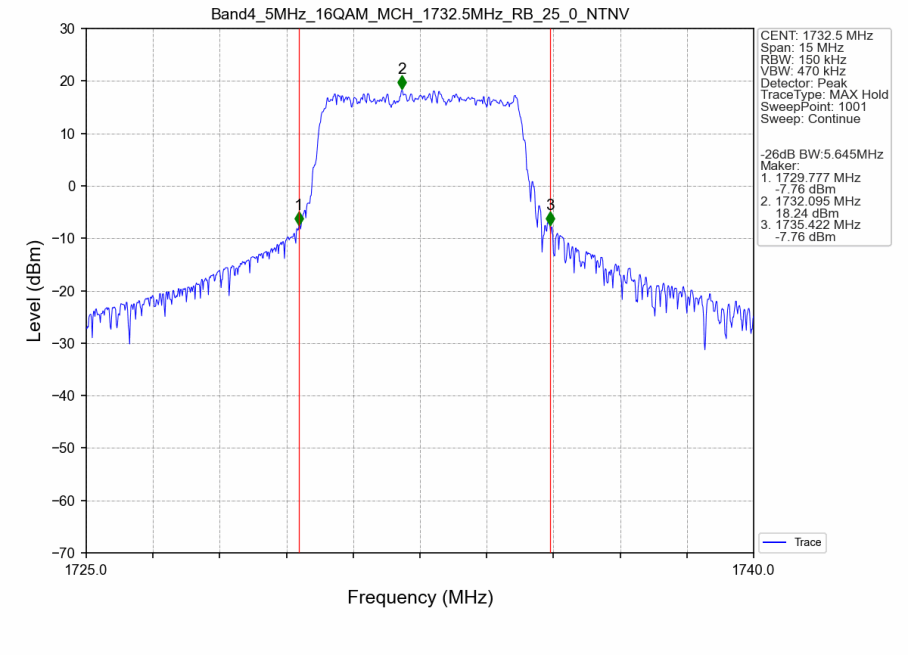
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



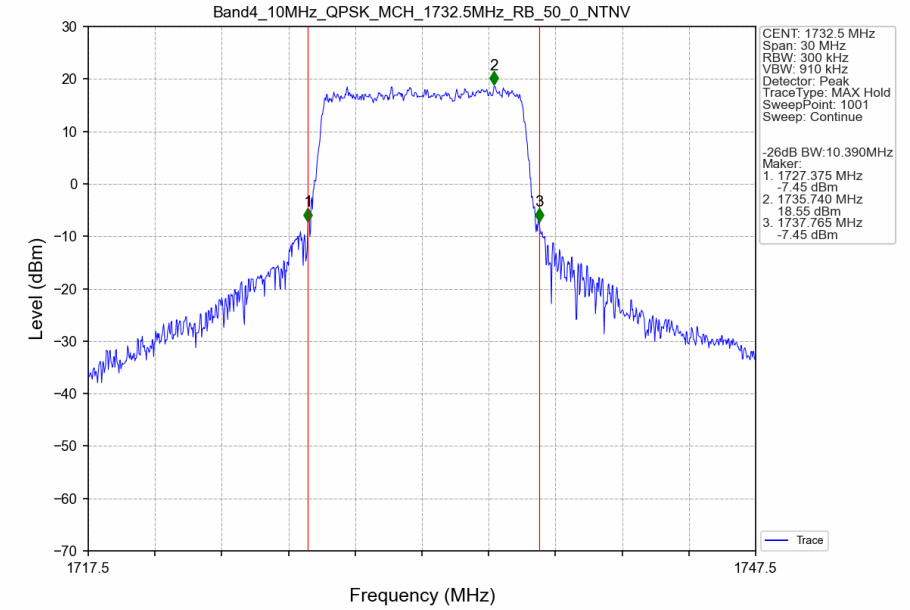
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



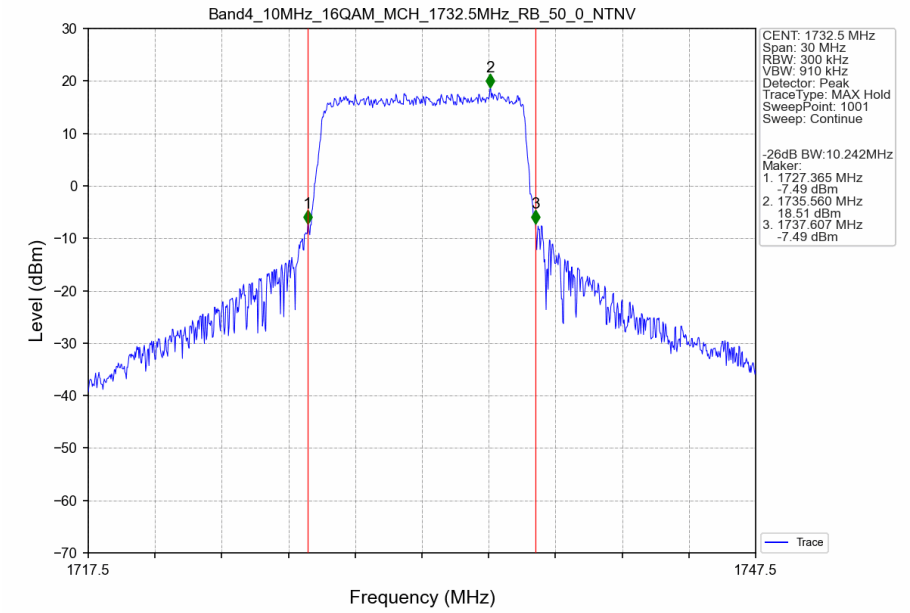
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



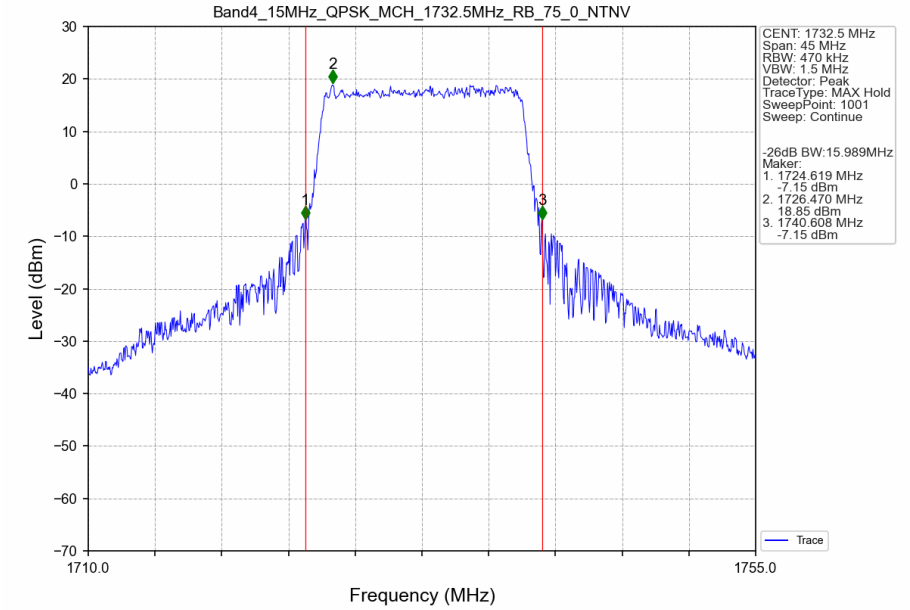
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



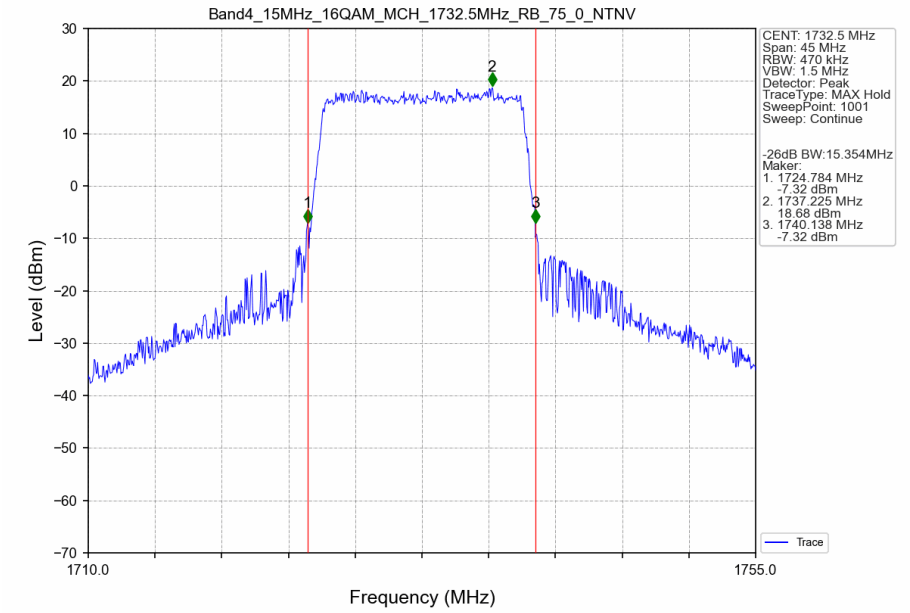
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



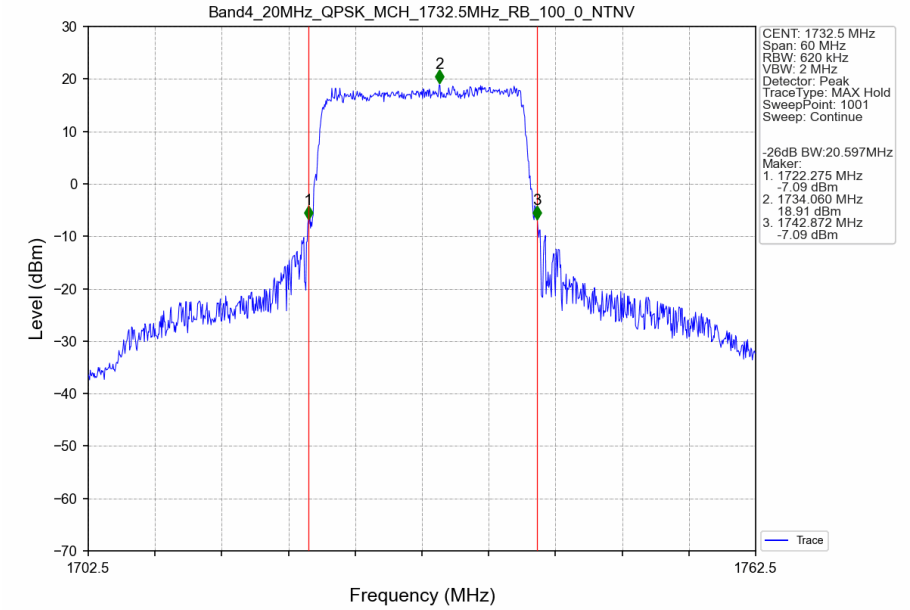
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



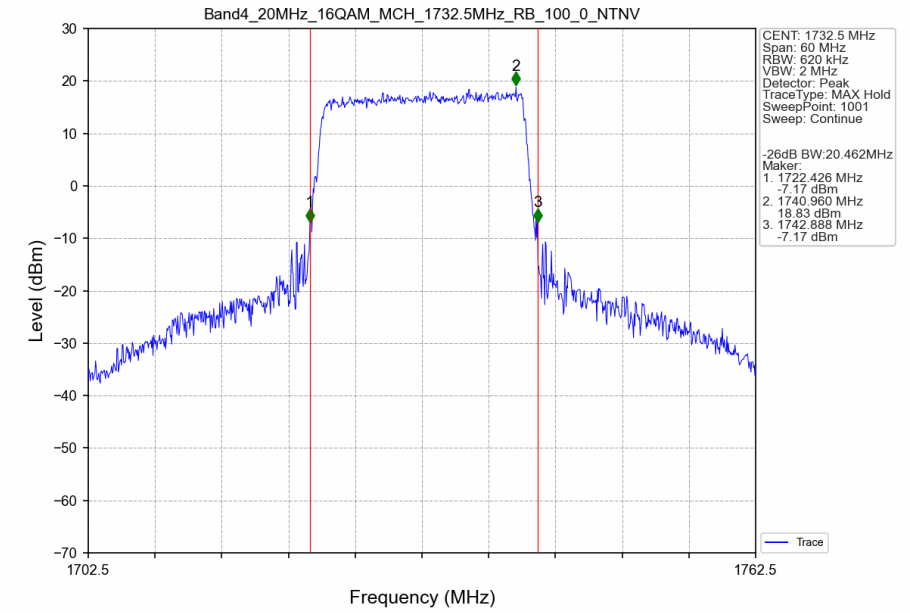
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



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

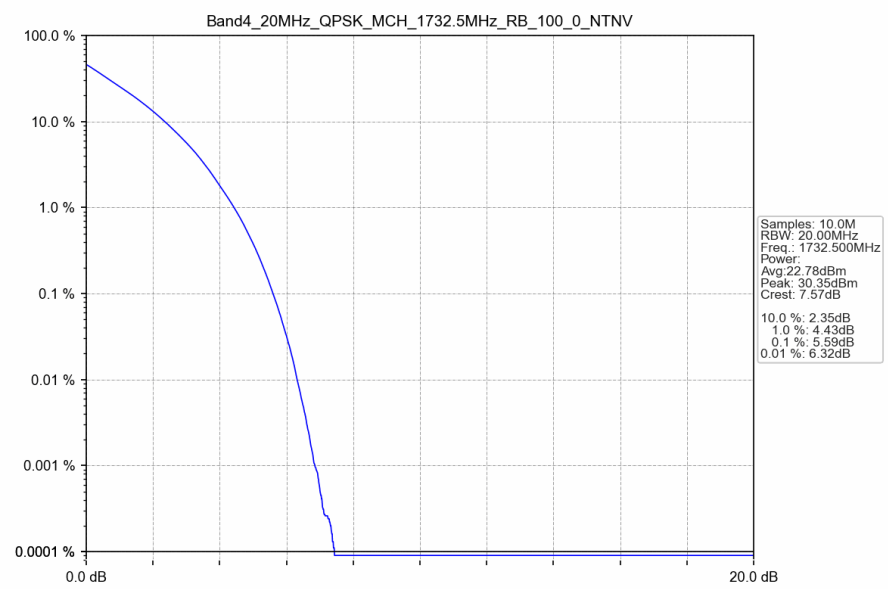
4.1.1 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	5.59	<=13	Pass
16QAM	1732.5	100	0	6.32	<=13	Pass

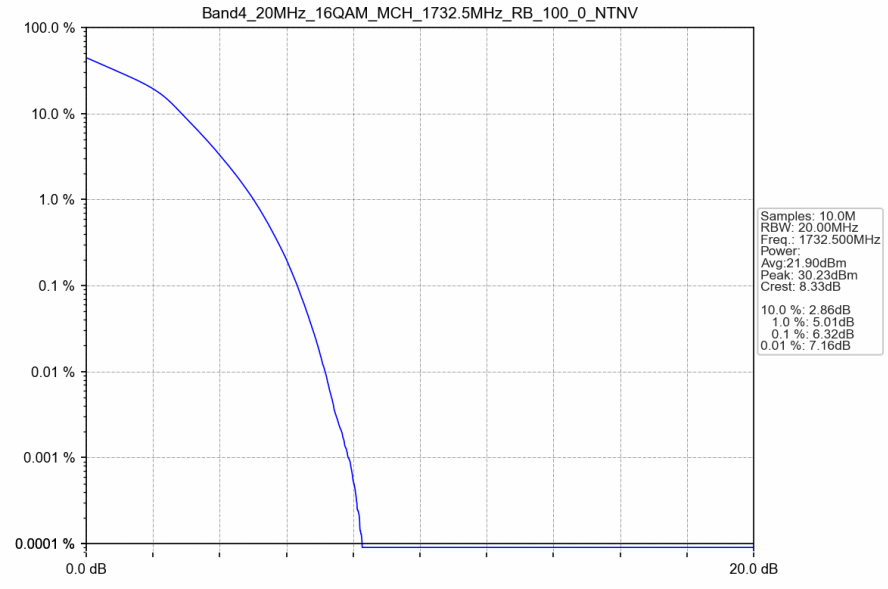
4.2 Test Graph

4.2.1 B4_20MHz

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B4_1.4MHz

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

5.1.2 B4_3MHz

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

5.1.3 B4_5MHz

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

5.1.4 B4_10MHz

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

5.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / 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

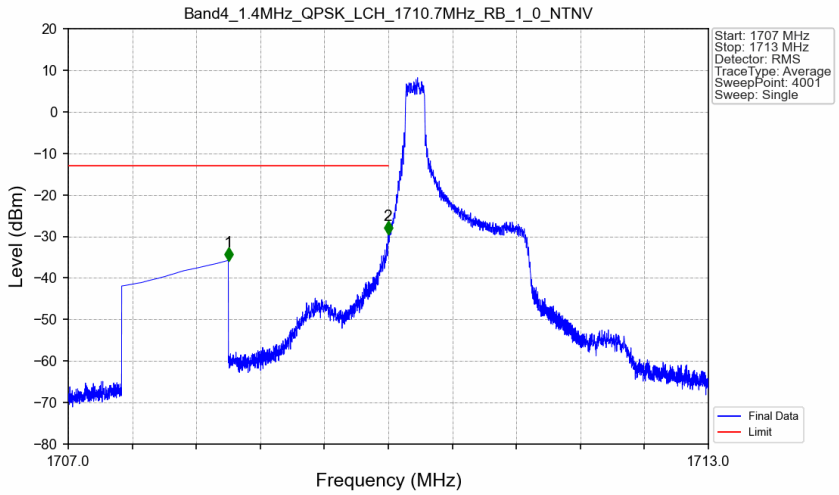
5.1.6 B4_20MHz

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

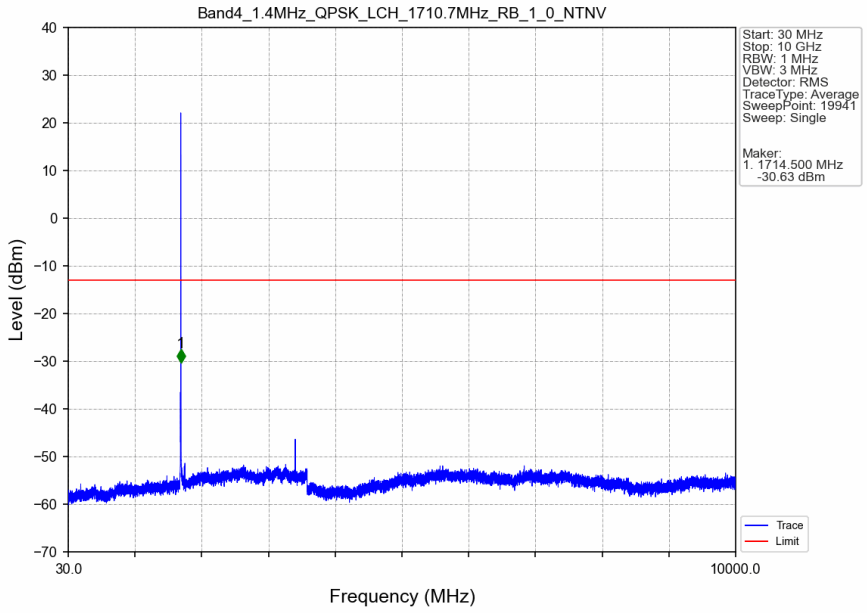
5.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

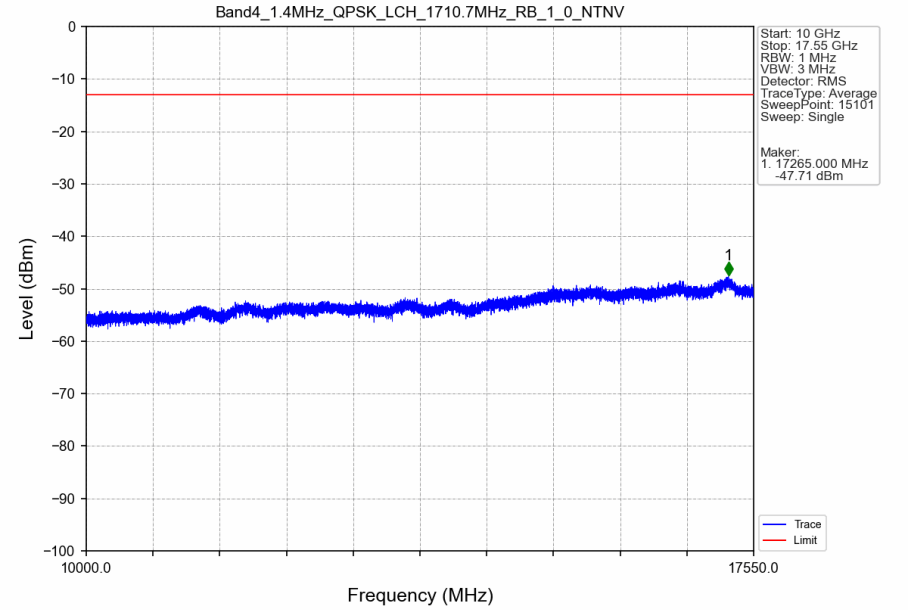


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-35.78	-13	Pass
1709	1710	0.003	/	2	1709.997	-29.56	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

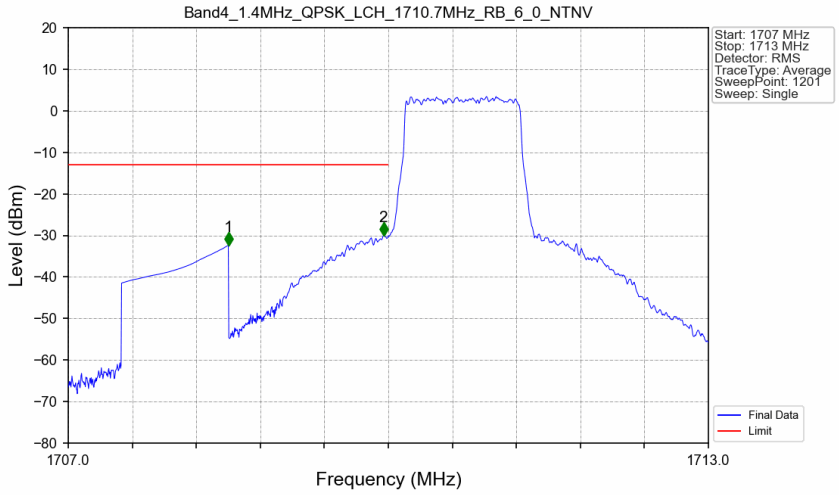
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

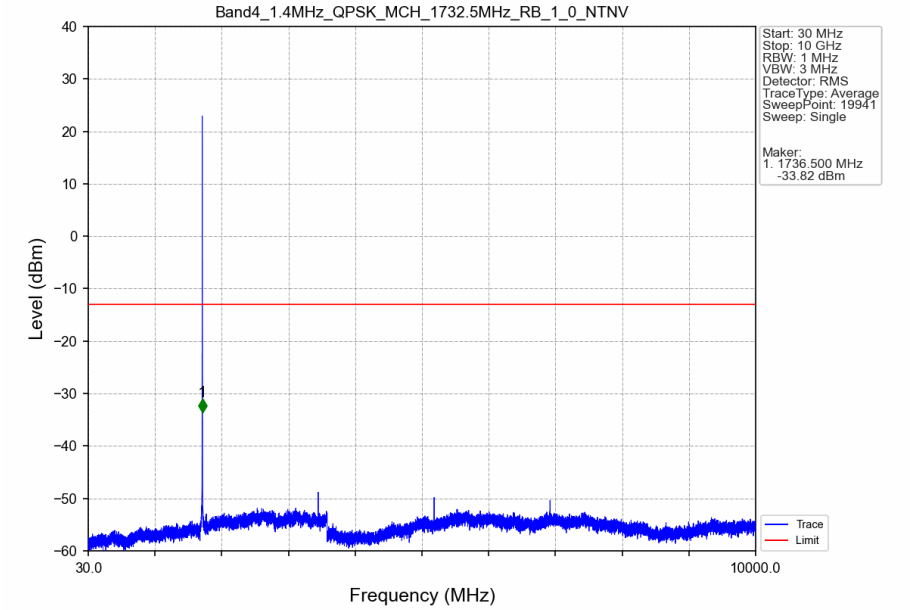


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

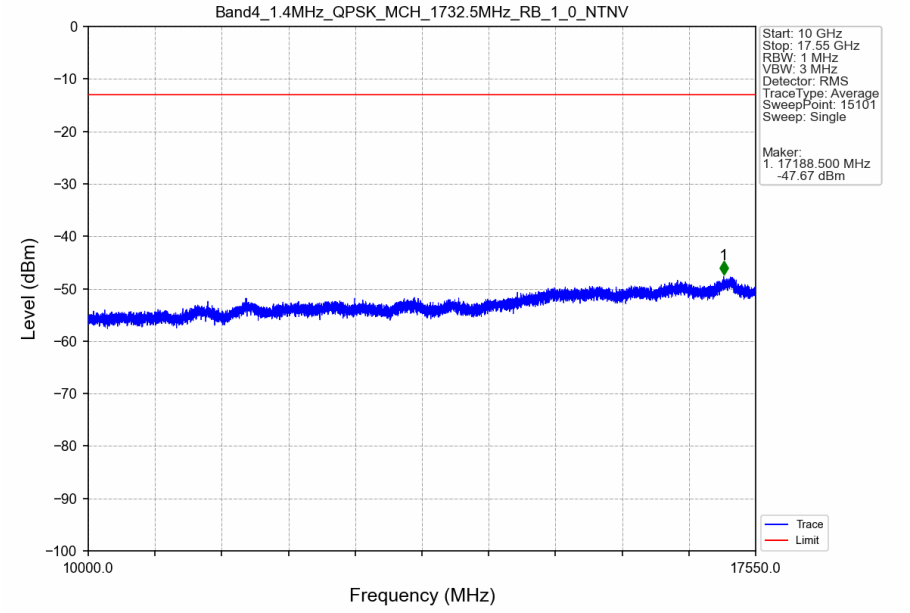


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-32.37	-13	Pass
1709	1710	0.013	CHP	2	1709.955	-30.03	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

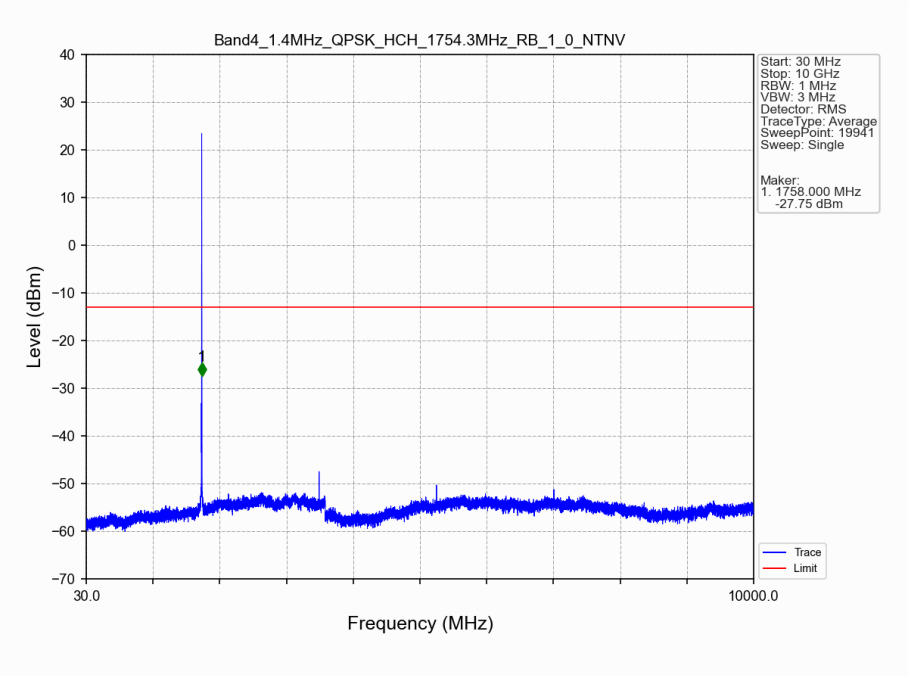
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



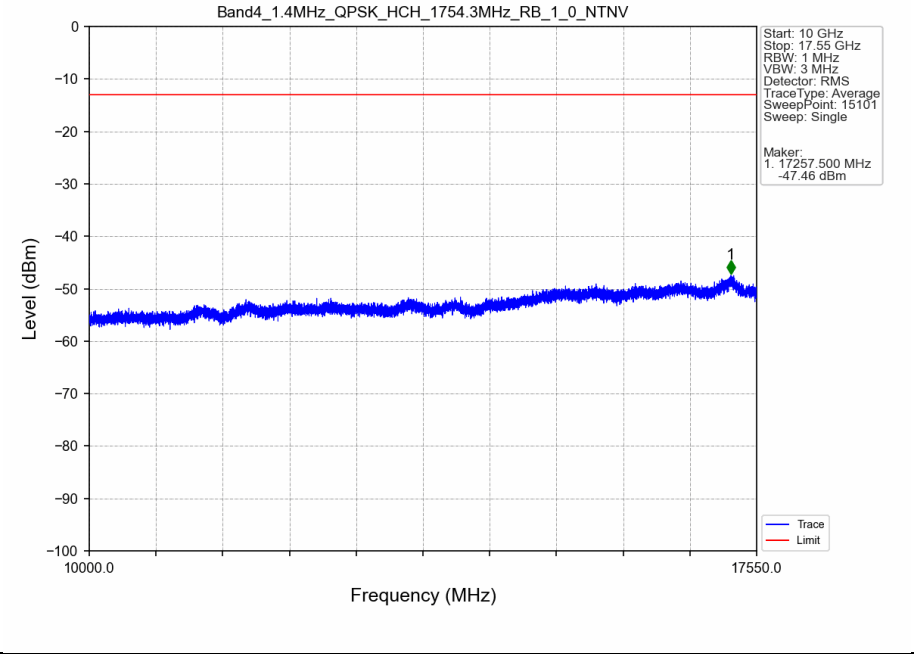
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



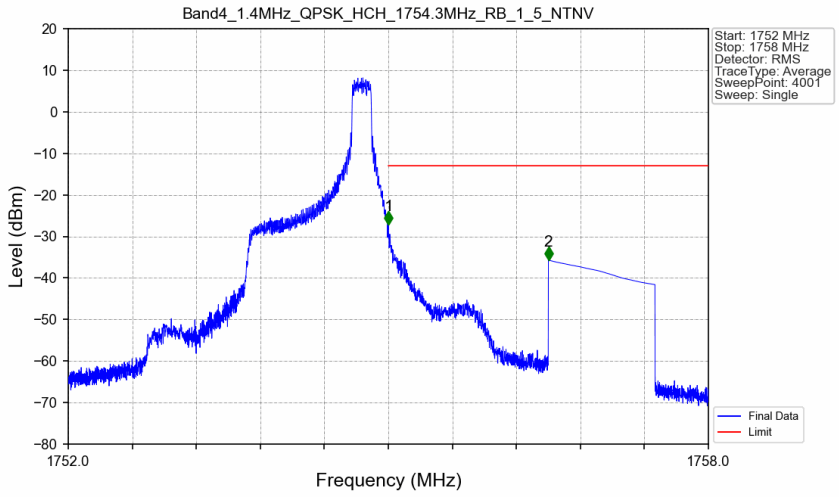
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

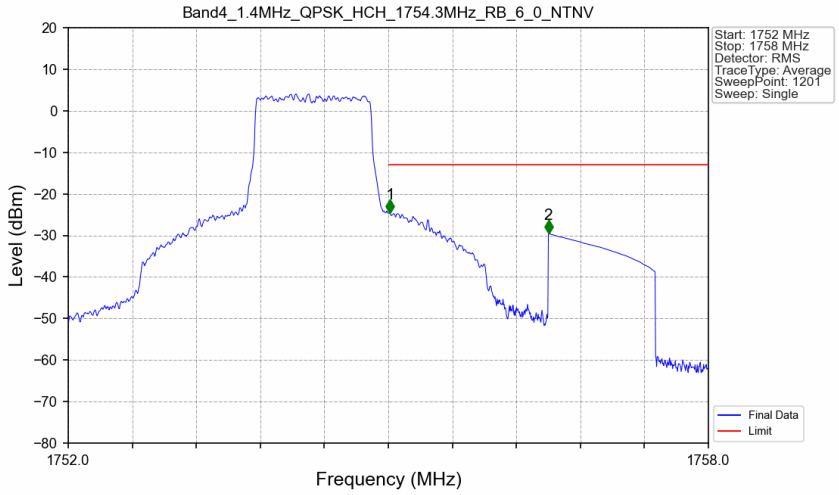


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-27.12	-13	Pass
1756	1758	1	CHP	2	1756.500	-35.71	-13	Pass

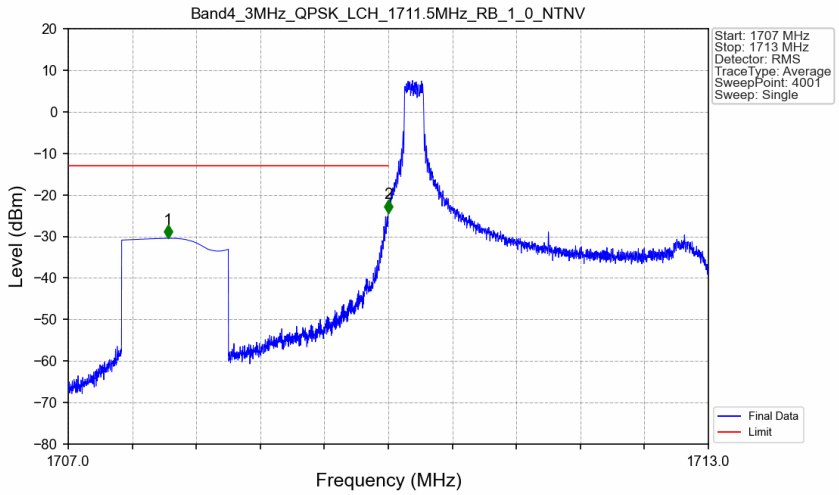
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



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	1755.015	-24.57	-13	Pass
1756	1758	1	CHP	2	1756.500	-29.54	-13	Pass

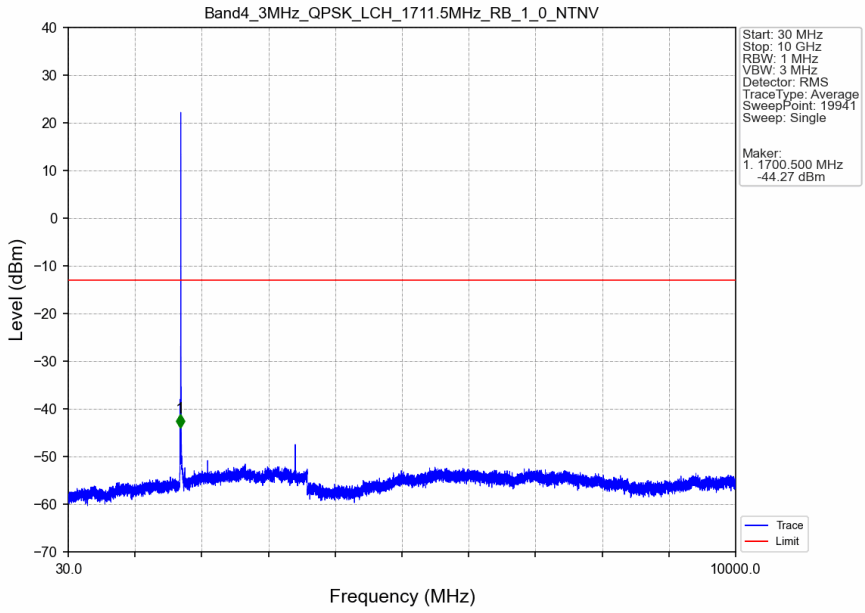
5.2.2 B4_3MHz

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

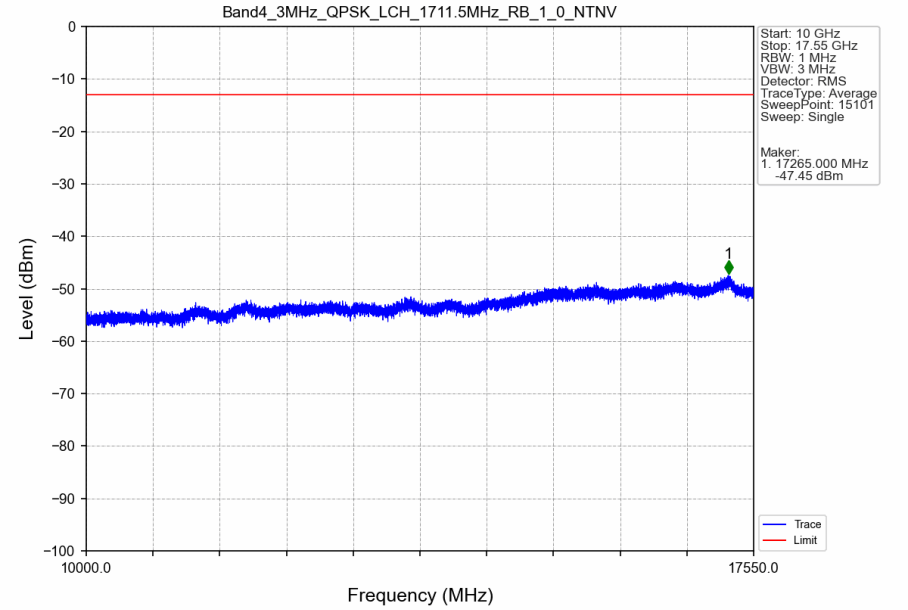


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1707.933	-30.47	-13	Pass
1709	1710	0.003	/	2	1709.998	-24.30	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

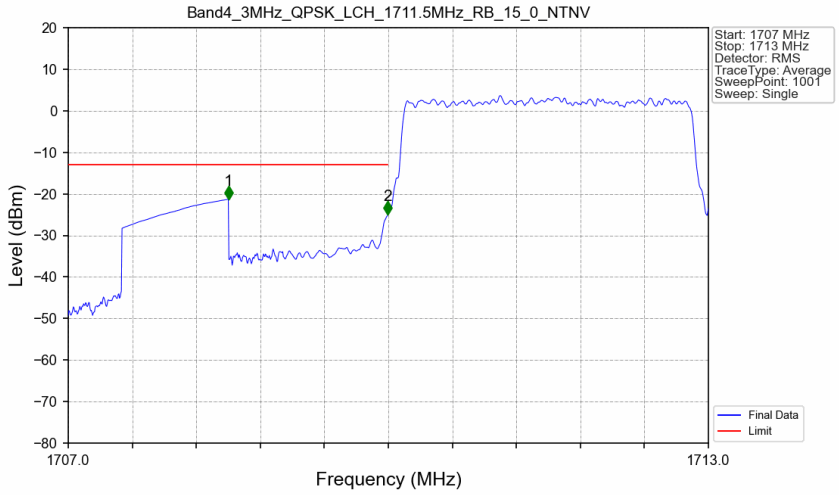
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

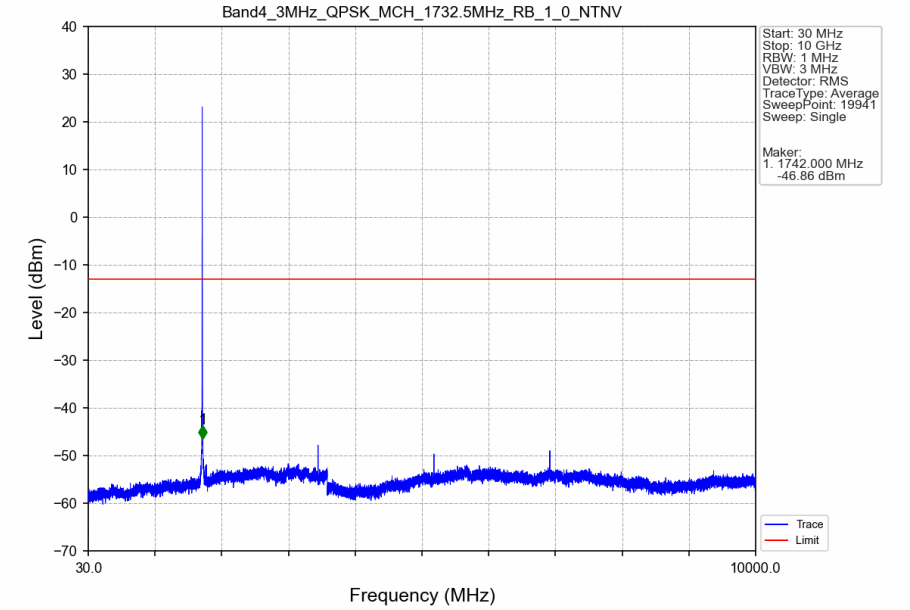


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

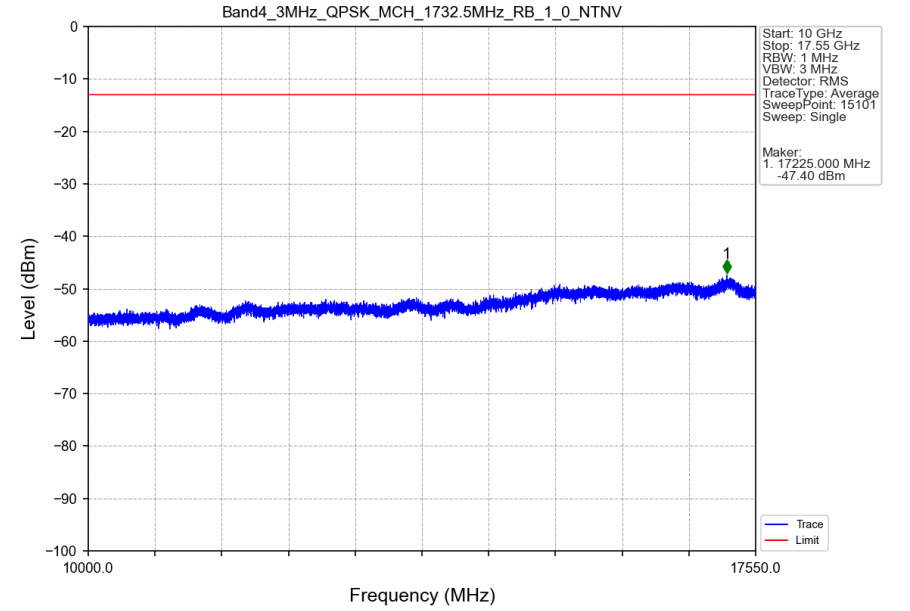


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-21.29	-13	Pass
1709	1710	0.031	CHP	2	1709.994	-25.01	-13	Pass
1710	1713	0.031	CHP	/	/	/	/	/

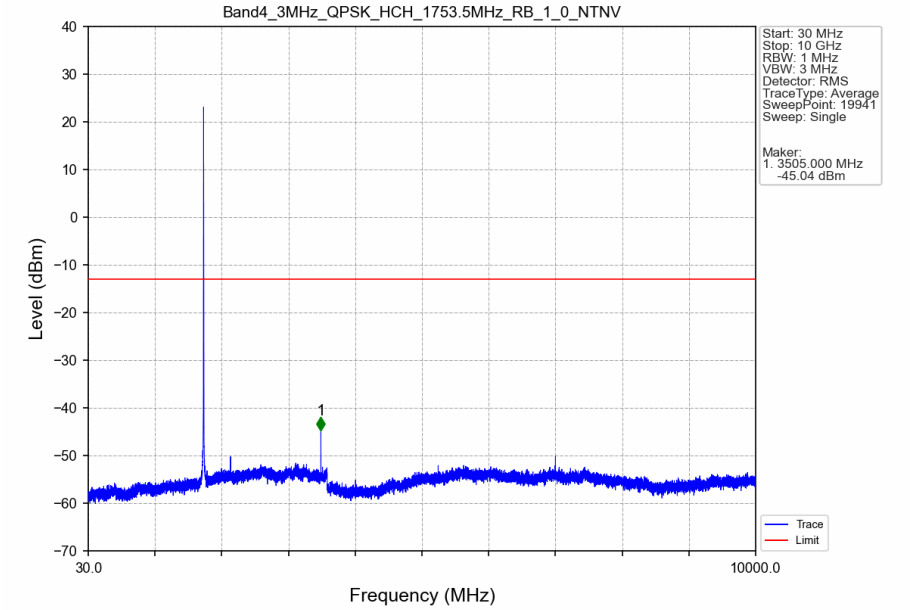
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



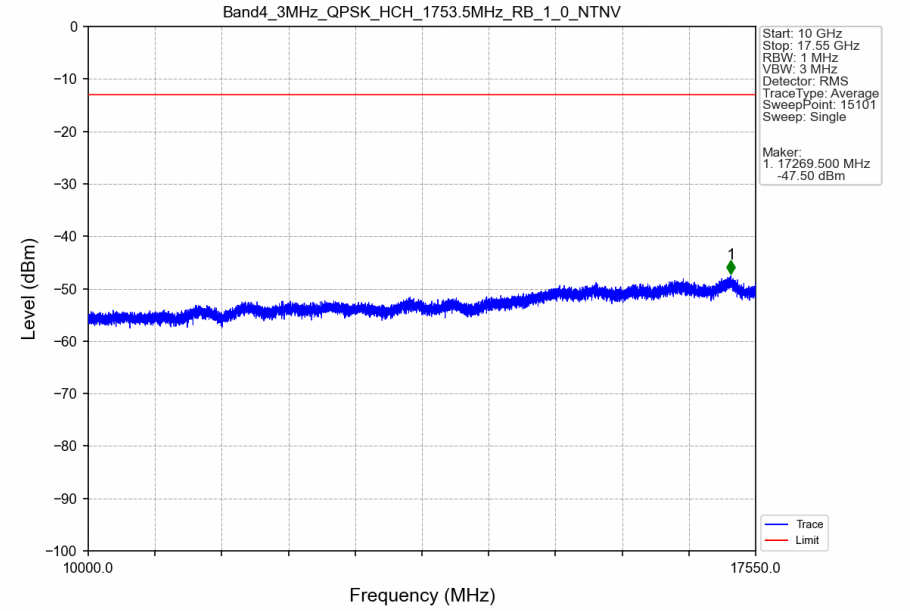
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



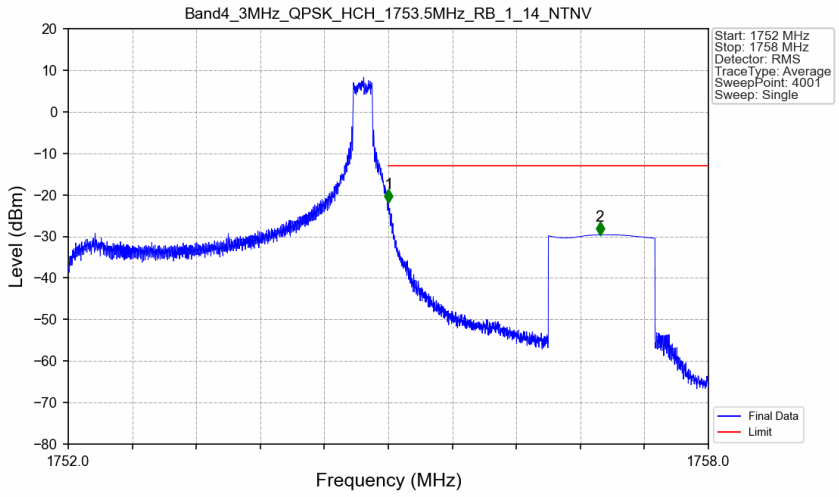
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

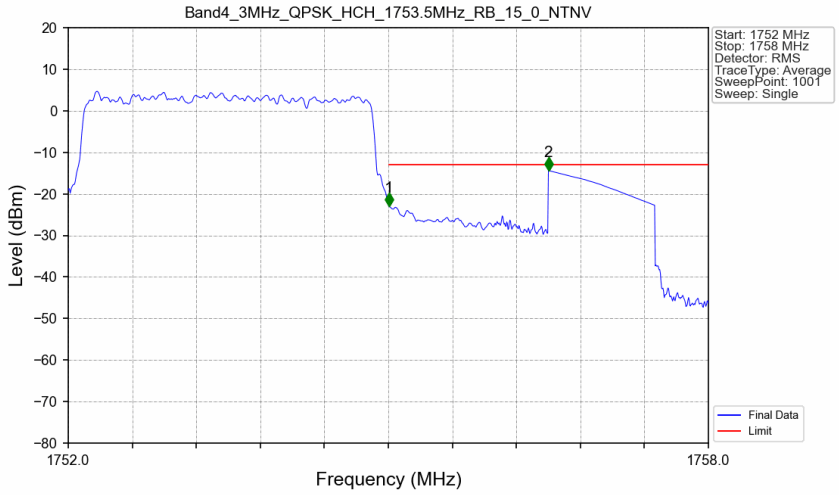


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



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	-21.90	-13	Pass
1756	1758	1	CHP	2	1756.983	-29.62	-13	Pass

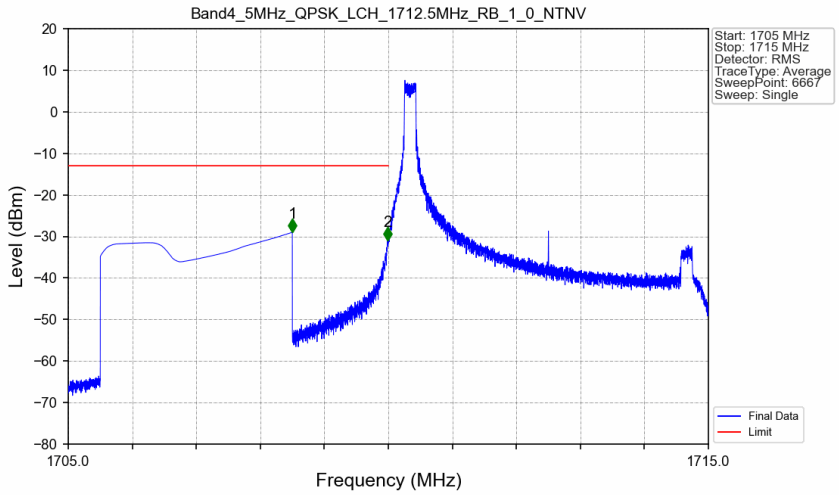
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.031	CHP	/	/	/	/	/
1755	1756	0.031	CHP	1	1755.006	-23.00	-13	Pass
1756	1758	1	CHP	2	1756.500	-14.40	-13	Pass

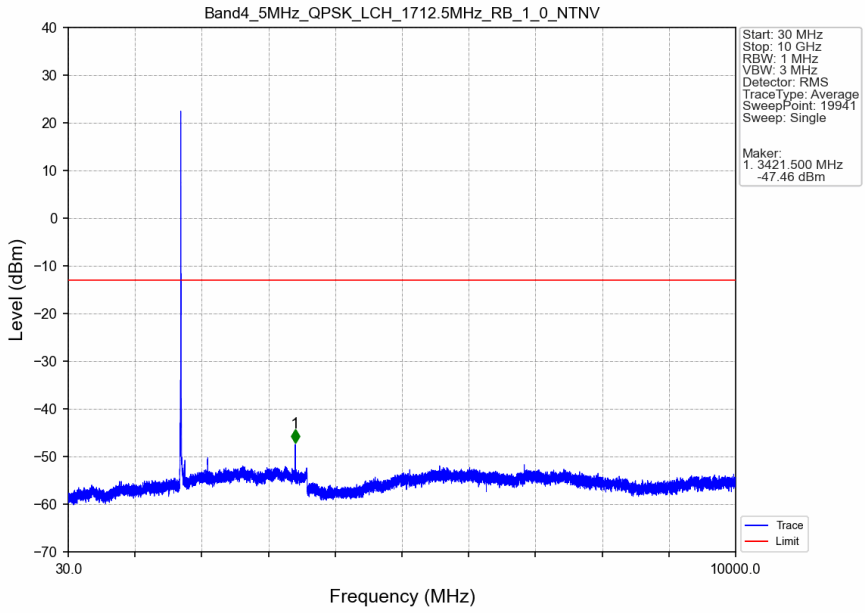
5.2.3 B4_5MHz

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

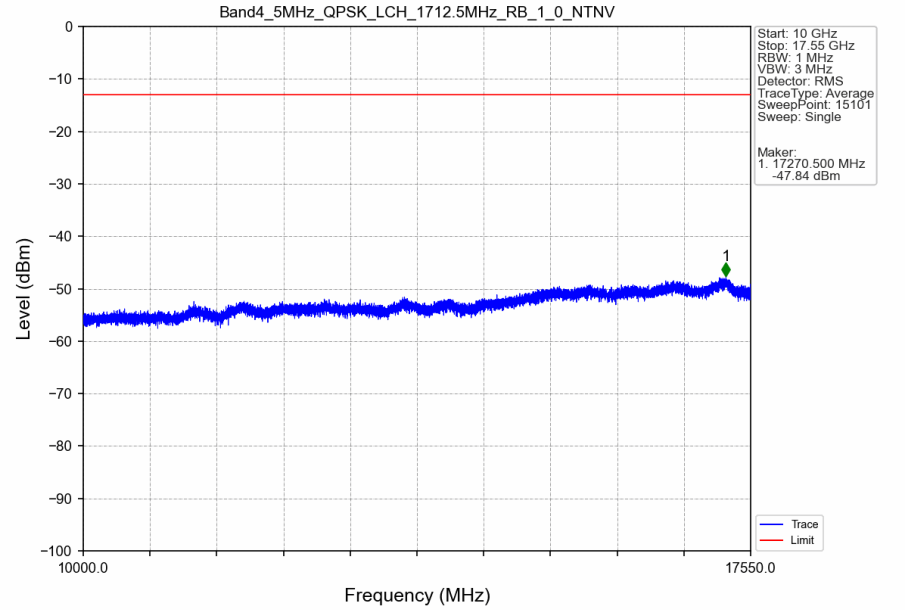


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-29.02	-13	Pass
1709	1710	0.003	/	2	1709.985	-30.98	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

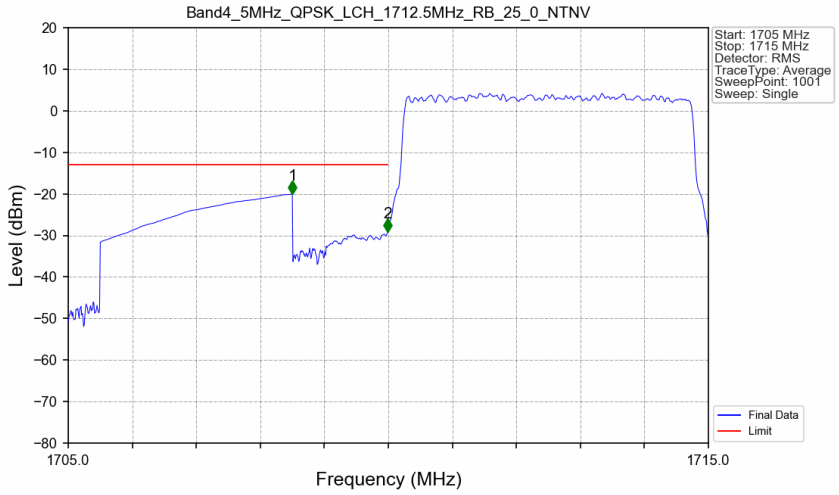
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

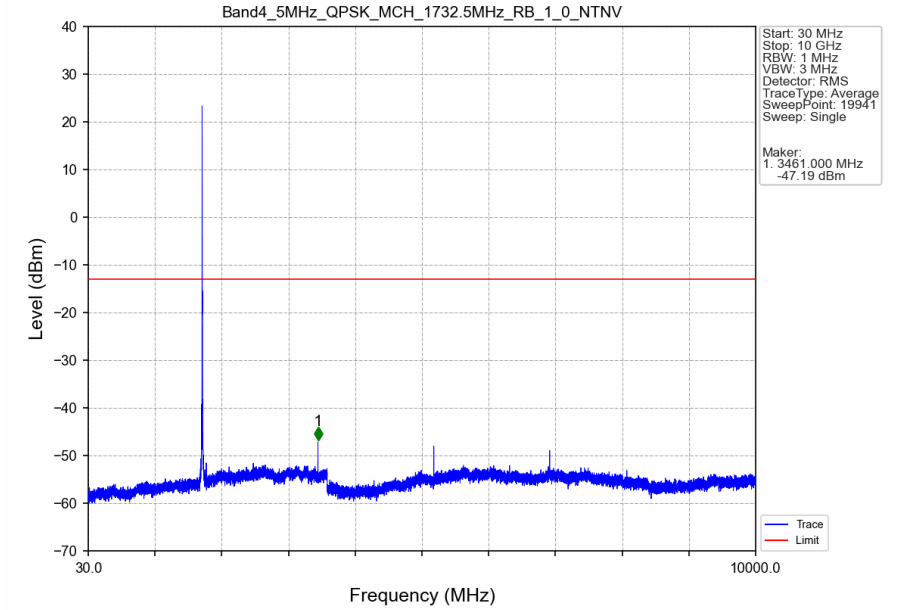


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

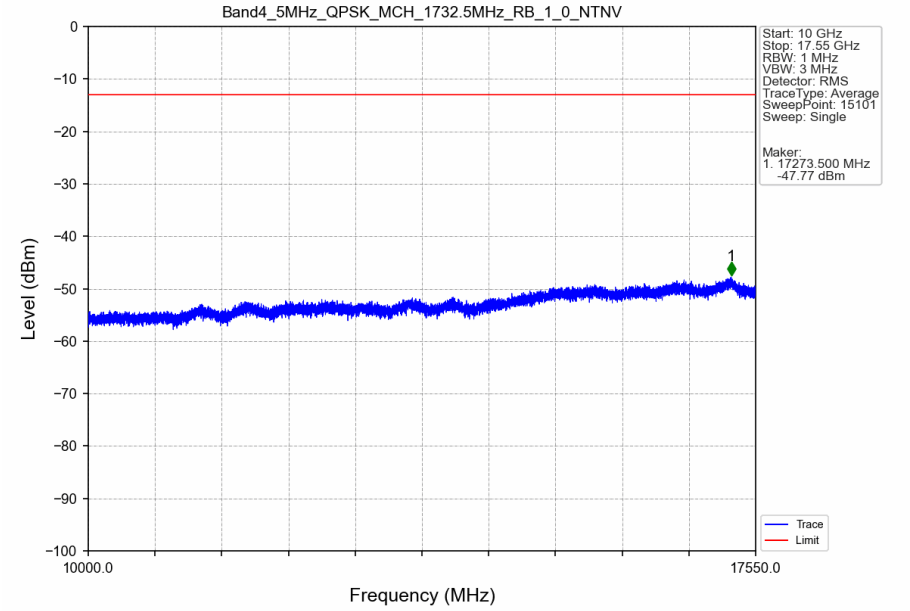


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-20.09	-13	Pass
1709	1710	0.056	CHP	2	1709.990	-29.14	-13	Pass
1710	1715	0.056	CHP	/	/	/	/	/

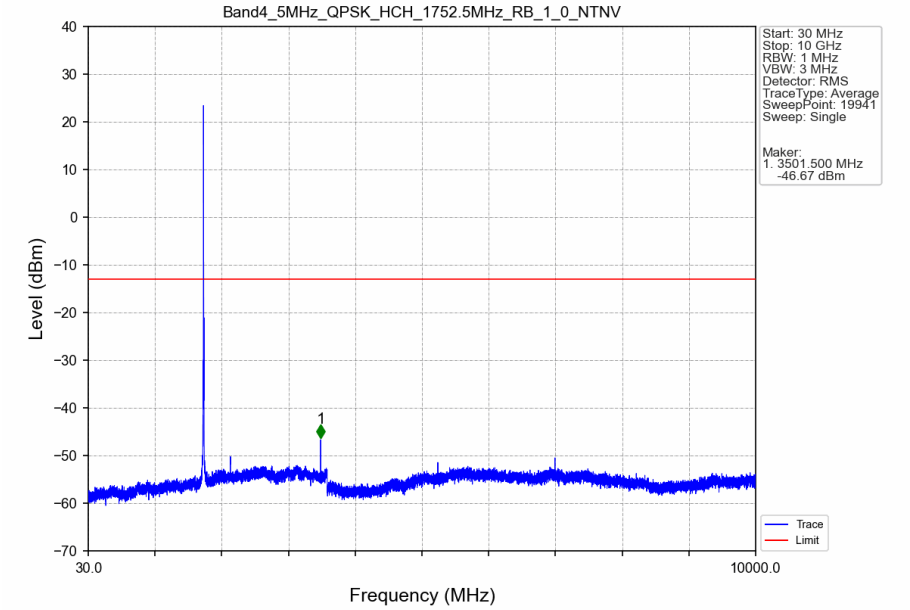
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



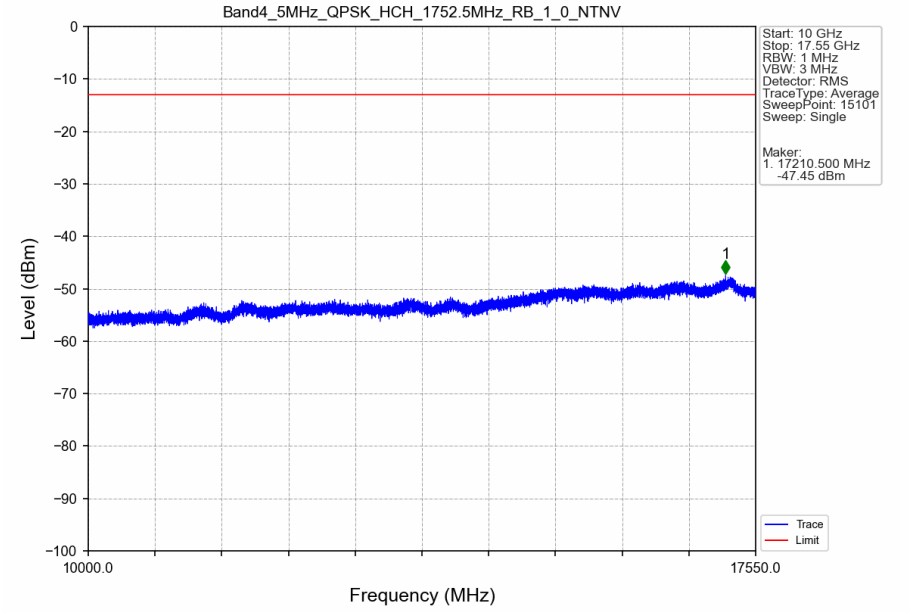
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



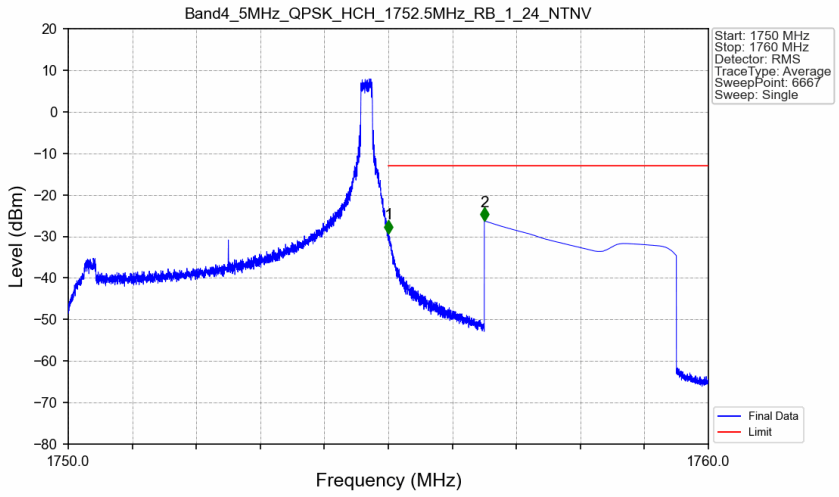
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

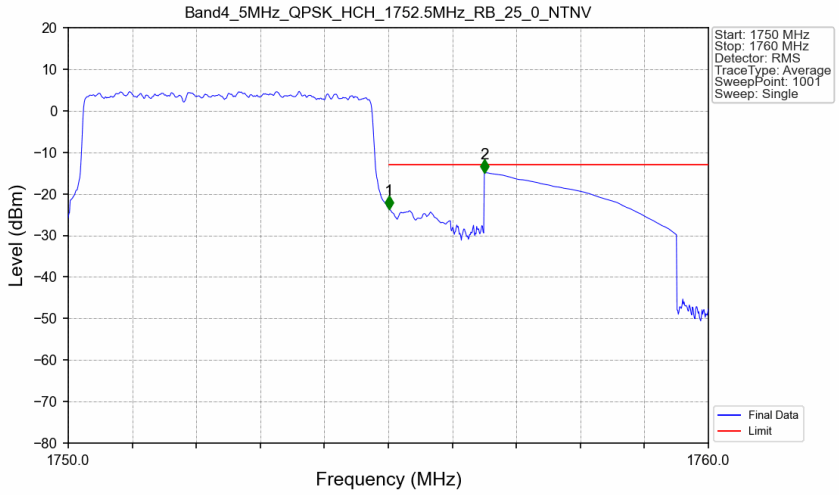


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



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	1755.003	-29.22	-13	Pass
1756	1760	1	CHP	2	1756.500	-26.27	-13	Pass

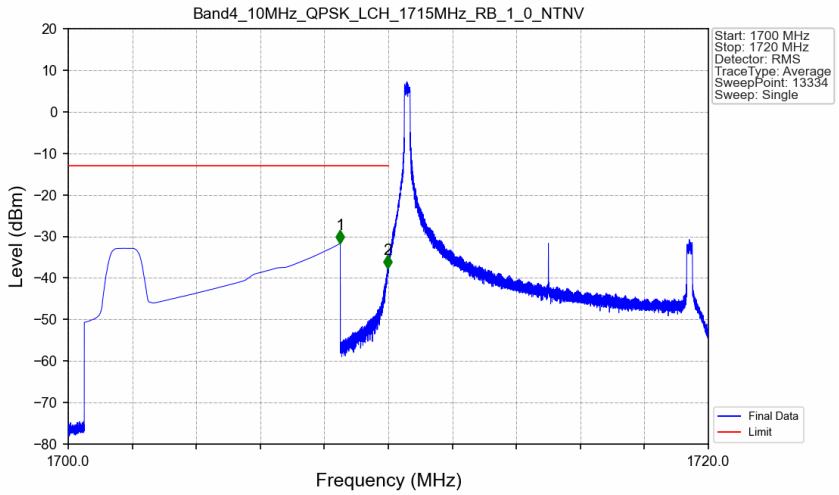
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.056	CHP	/	/	/	/	/
1755	1756	0.056	CHP	1	1755.010	-23.64	-13	Pass
1756	1760	1	CHP	2	1756.500	-14.85	-13	Pass

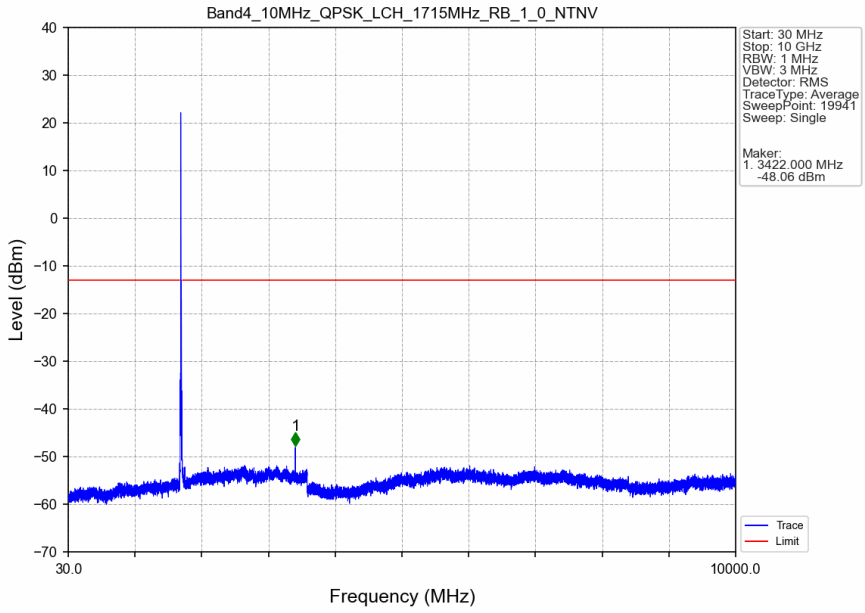
5.2.4 B4_10MHz

Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

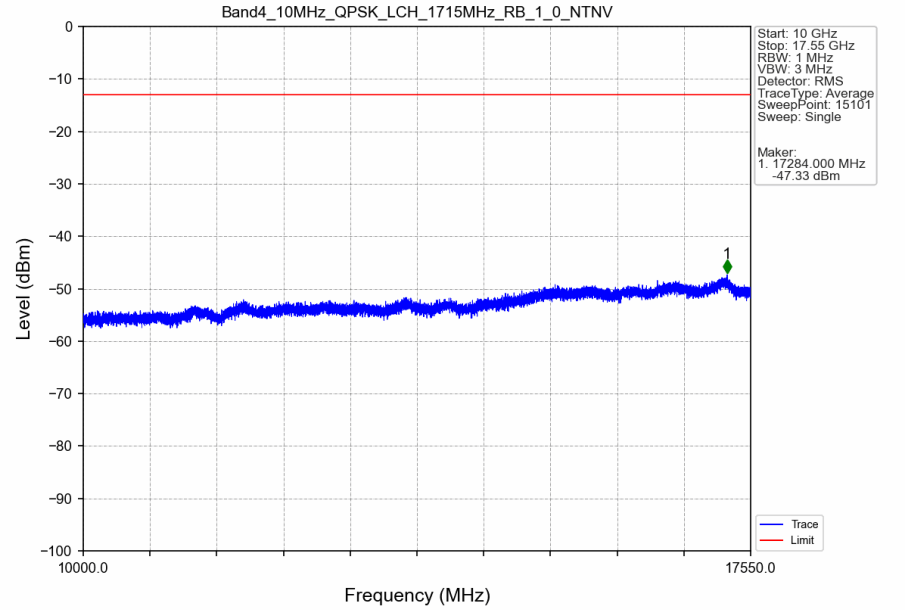


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.498	-31.68	-13	Pass
1709	1710	0.003	/	2	1709.978	-37.63	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

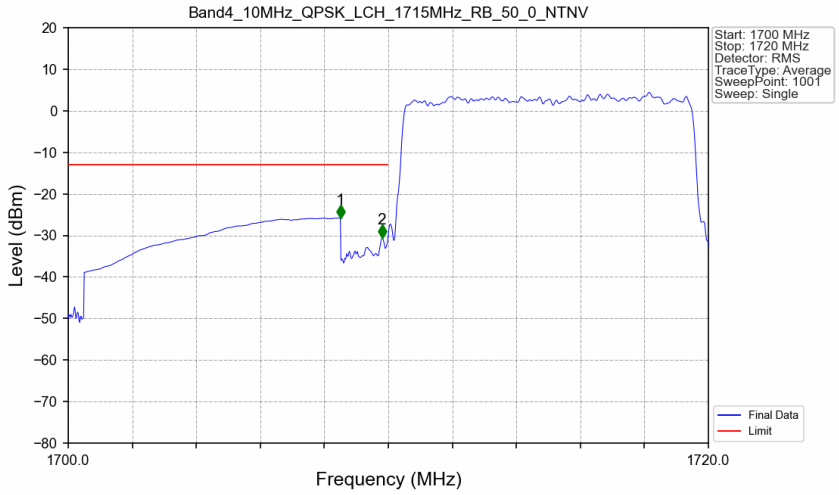
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

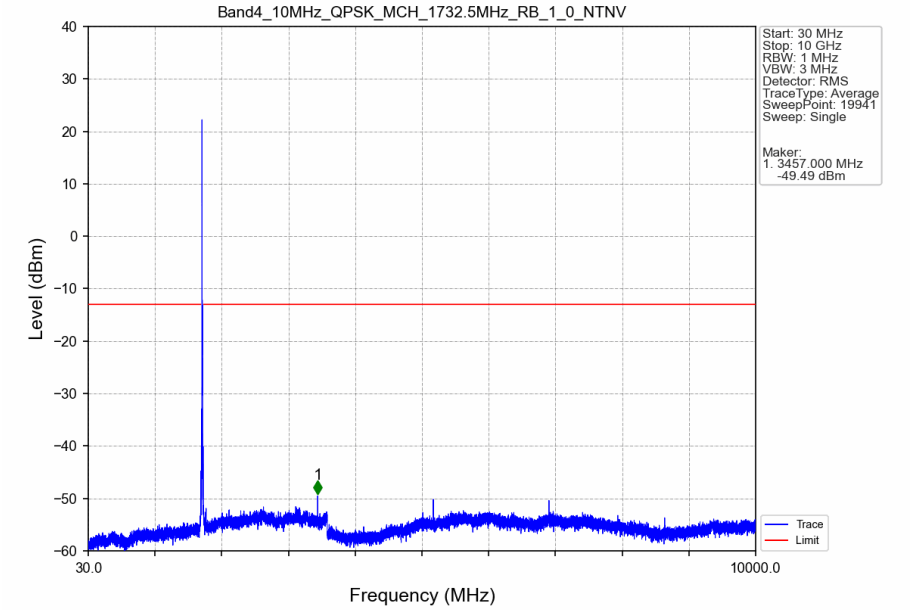


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

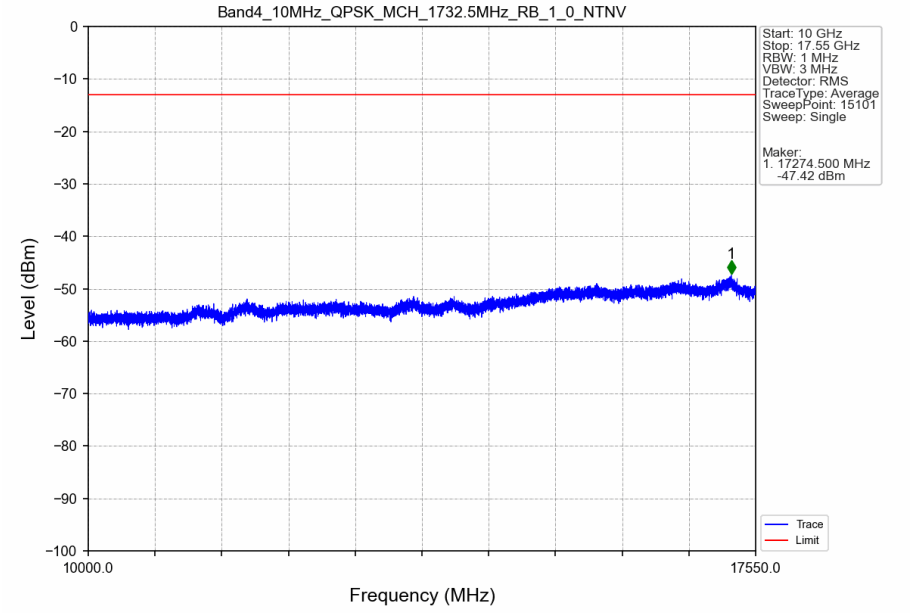


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.500	-25.82	-13	Pass
1709	1710	0.104	CHP	2	1709.800	-30.63	-13	Pass
1710	1720	0.104	CHP	/	/	/	/	/

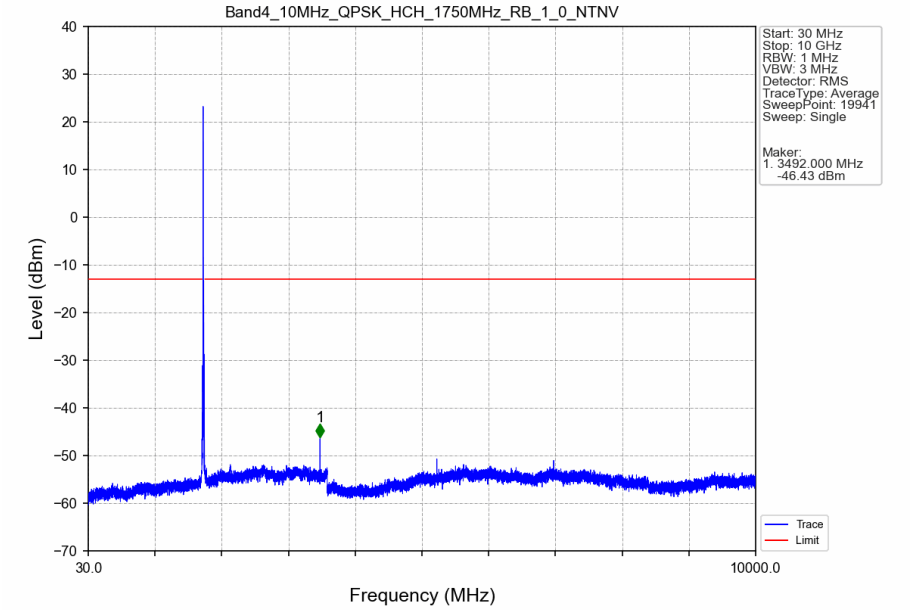
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



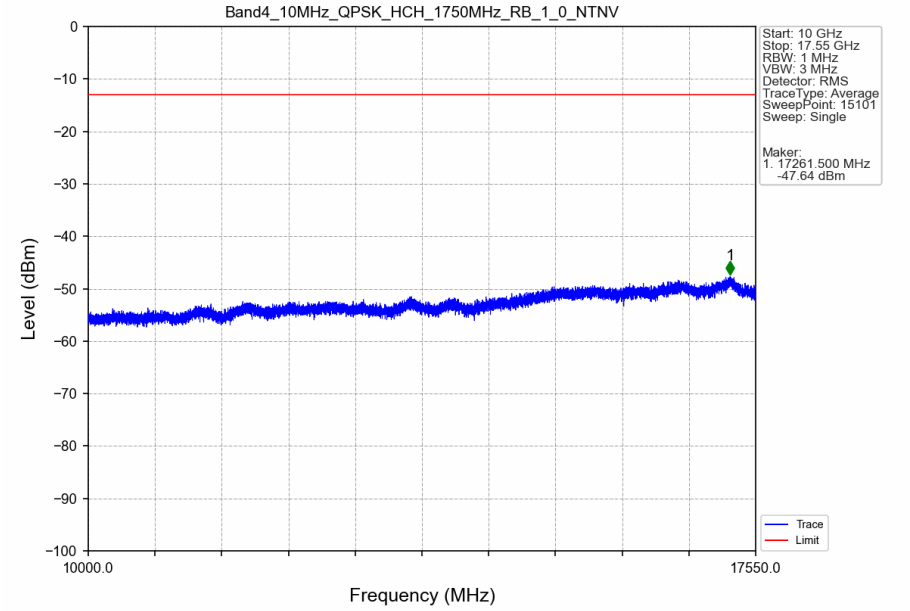
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



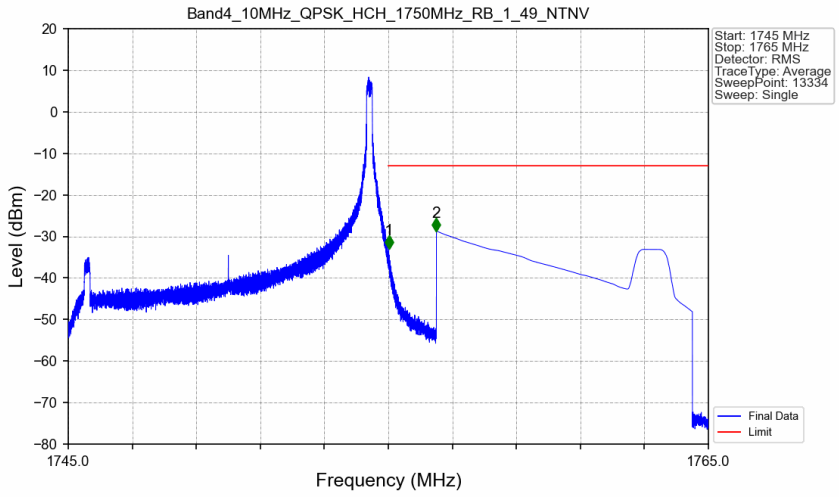
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV

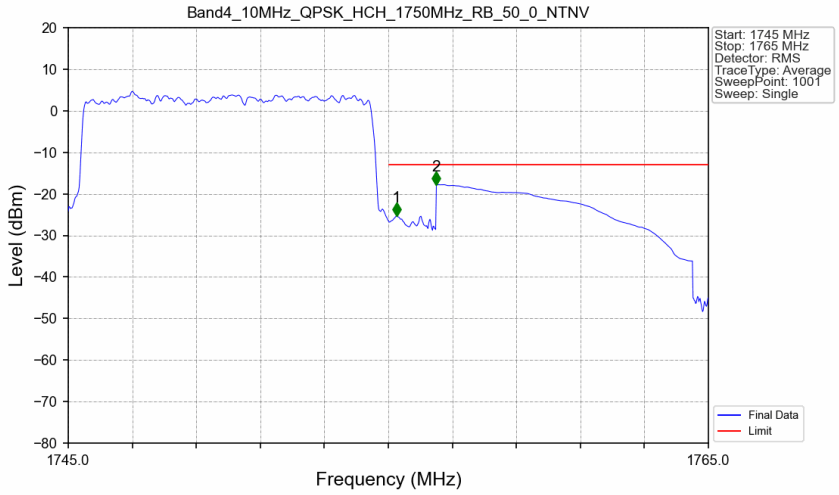


Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



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	1755.013	-32.96	-13	Pass
1756	1765	1	CHP	2	1756.501	-28.69	-13	Pass

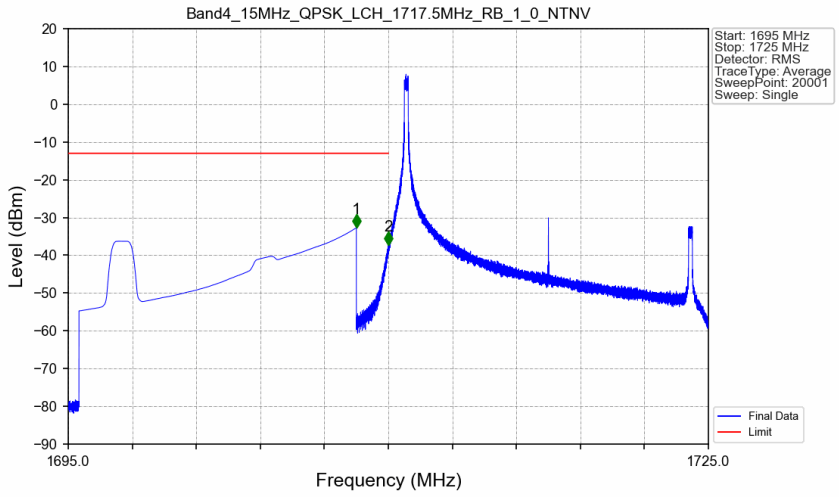
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.102	CHP	/	/	/	/	/
1755	1756	0.102	CHP	1	1755.260	-25.33	-13	Pass
1756	1765	1	CHP	2	1756.500	-17.75	-13	Pass

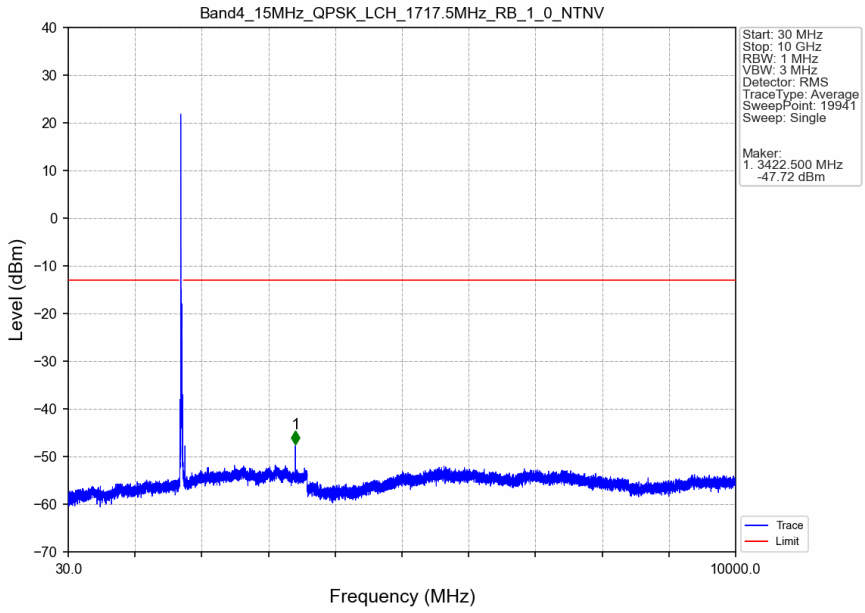
5.2.5 B4_15MHz

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

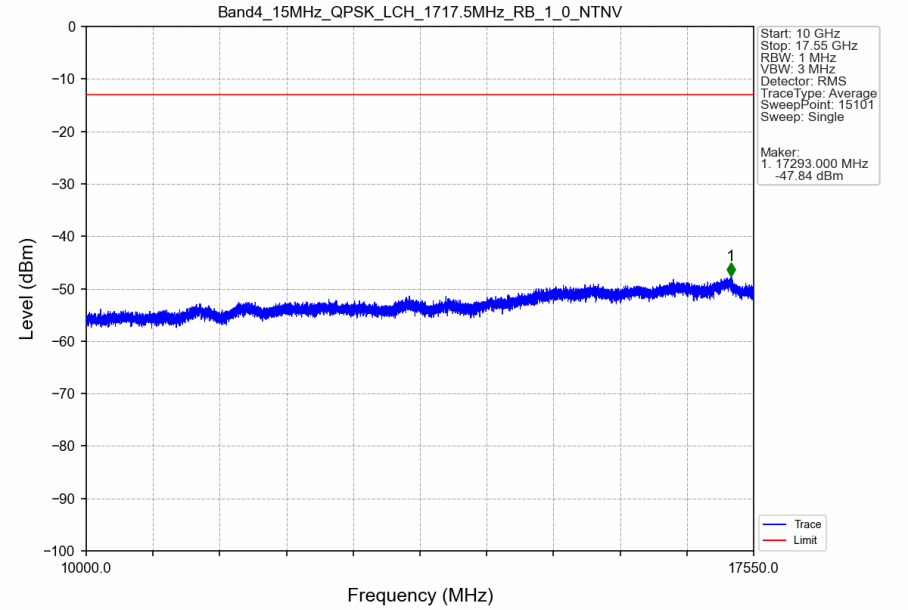


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.497	-32.71	-13	Pass
1709	1710	0.003	/	2	1709.998	-37.25	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

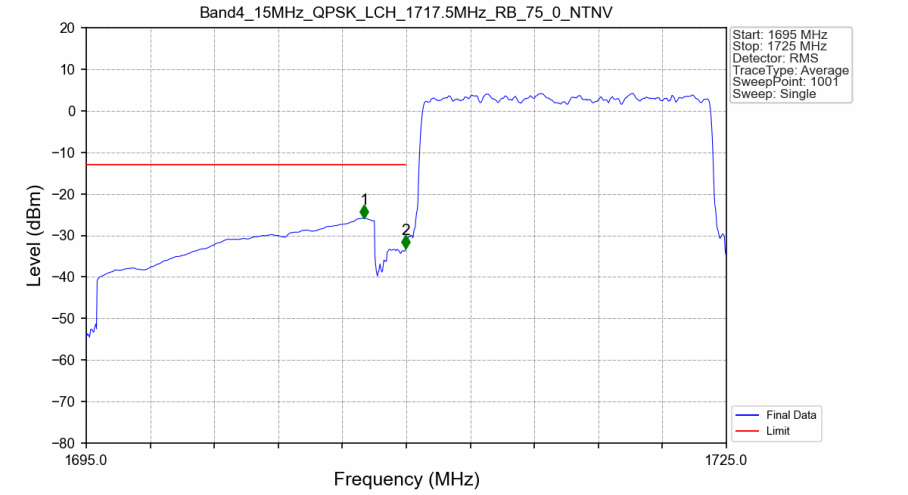
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

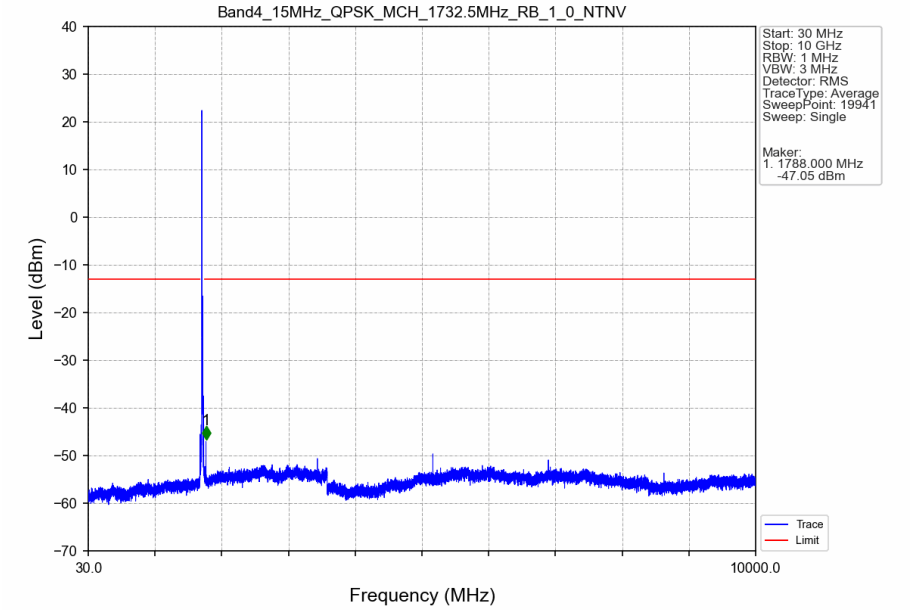


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

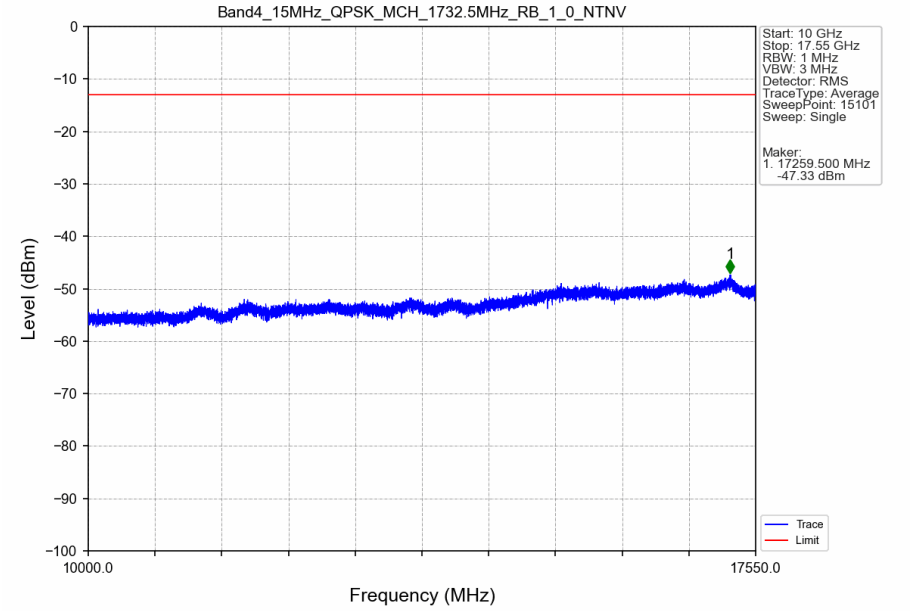


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.020	-25.84	-13	Pass
1709	1710	0.16	CHP	2	1709.970	-33.21	-13	Pass
1710	1725	0.16	CHP	/	/	/	/	/

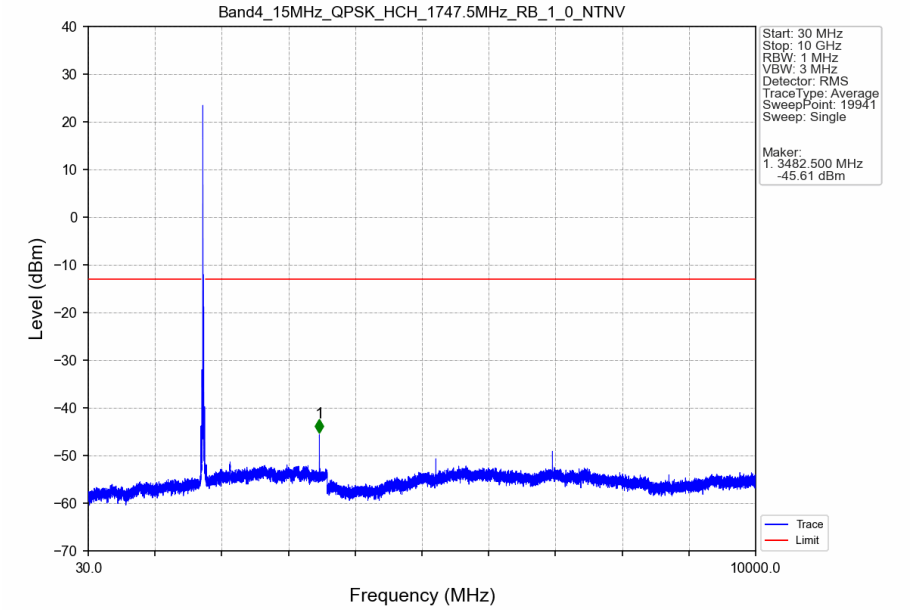
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



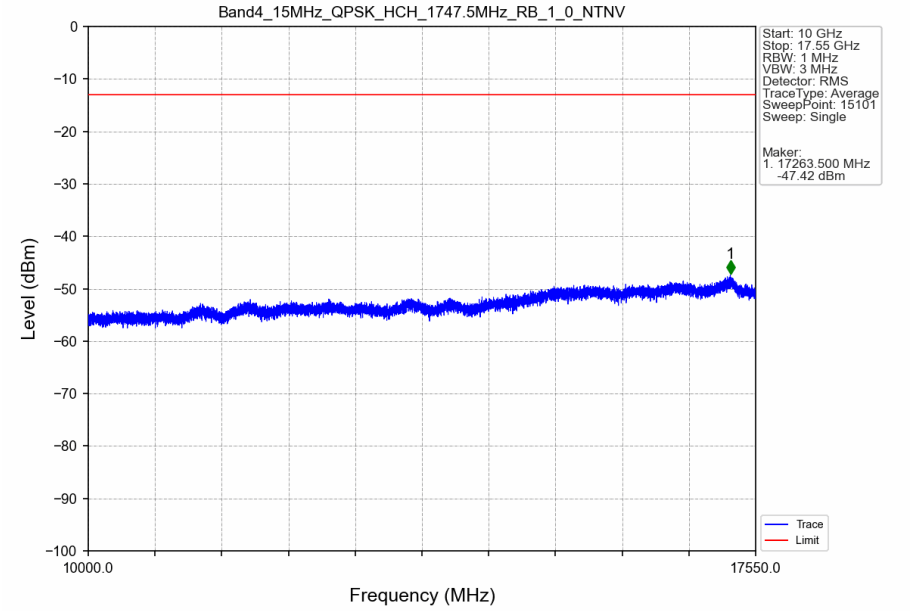
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



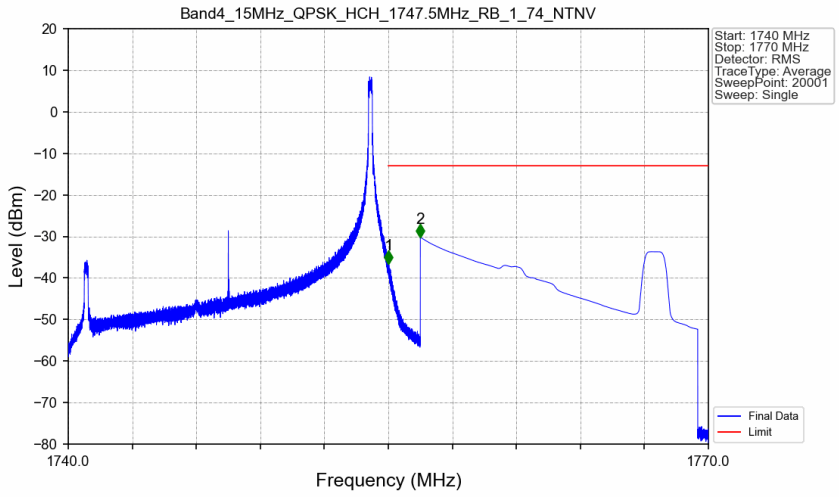
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV

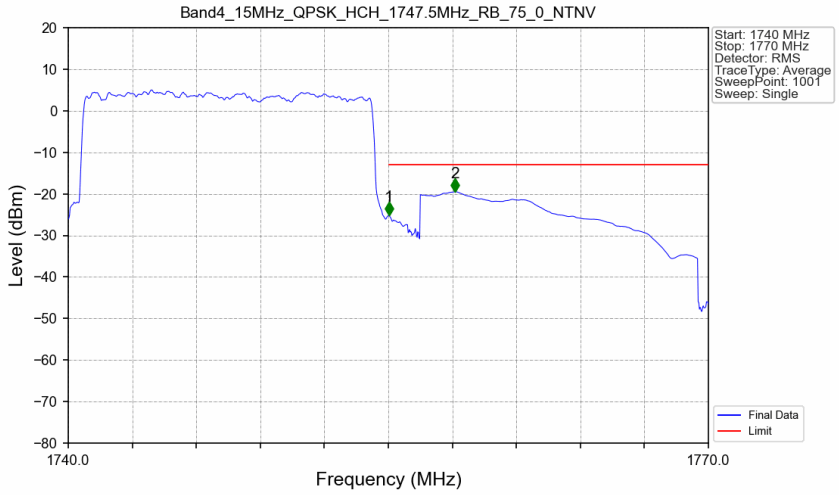


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



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	1755.016	-36.55	-13	Pass
1756	1770	1	CHP	2	1756.500	-30.19	-13	Pass

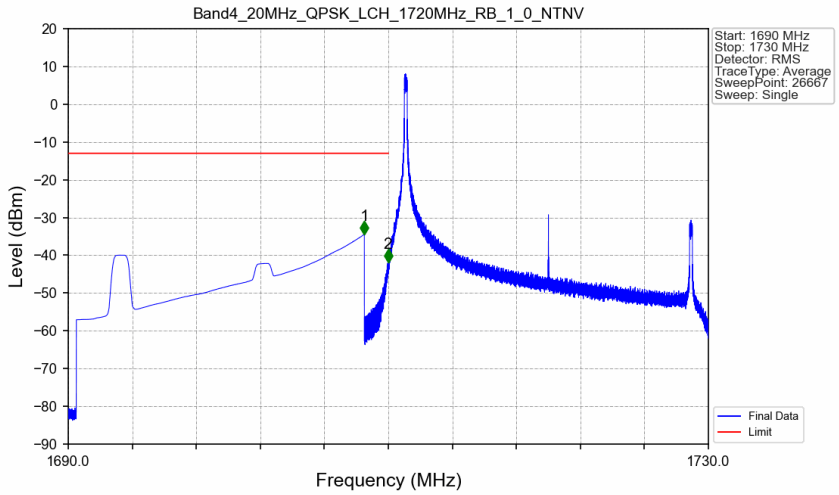
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.16	CHP	/	/	/	/	/
1755	1756	0.16	CHP	1	1755.030	-25.18	-13	Pass
1756	1770	1	CHP	2	1758.120	-19.48	-13	Pass

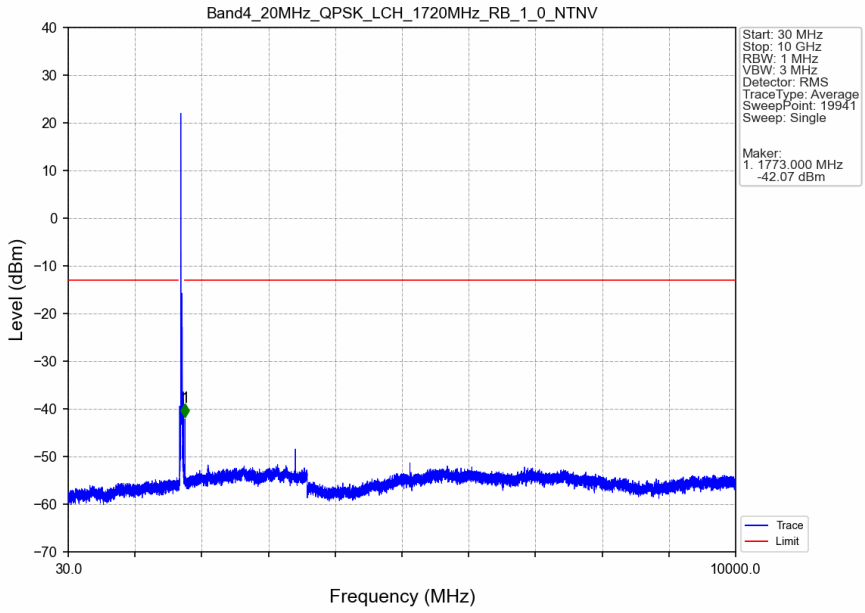
5.2.6 B4_20MHz

Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

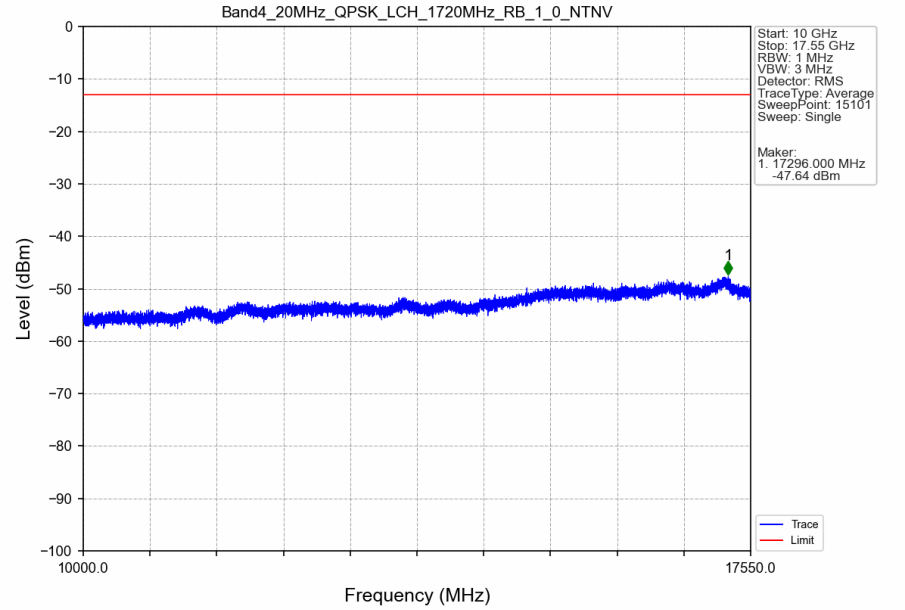


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.500	-34.41	-13	Pass
1709	1710	0.003	/	2	1709.985	-41.83	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

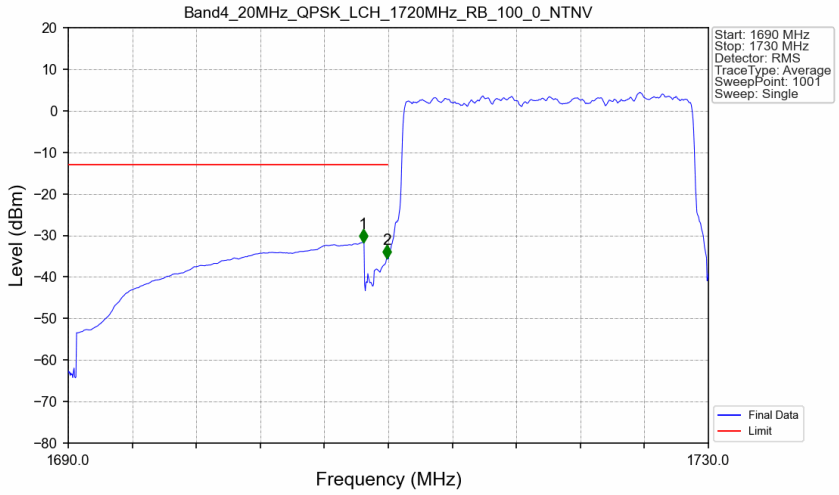
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

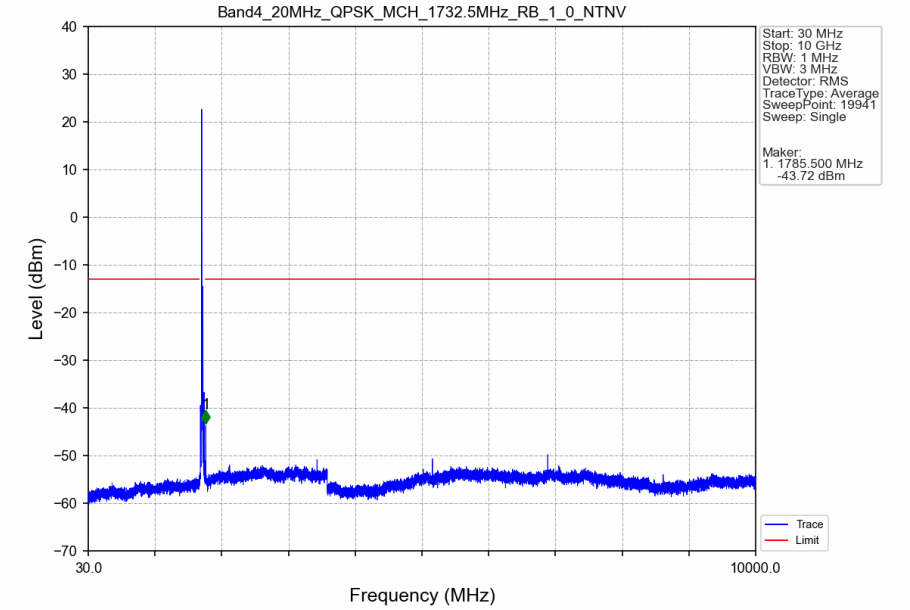


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

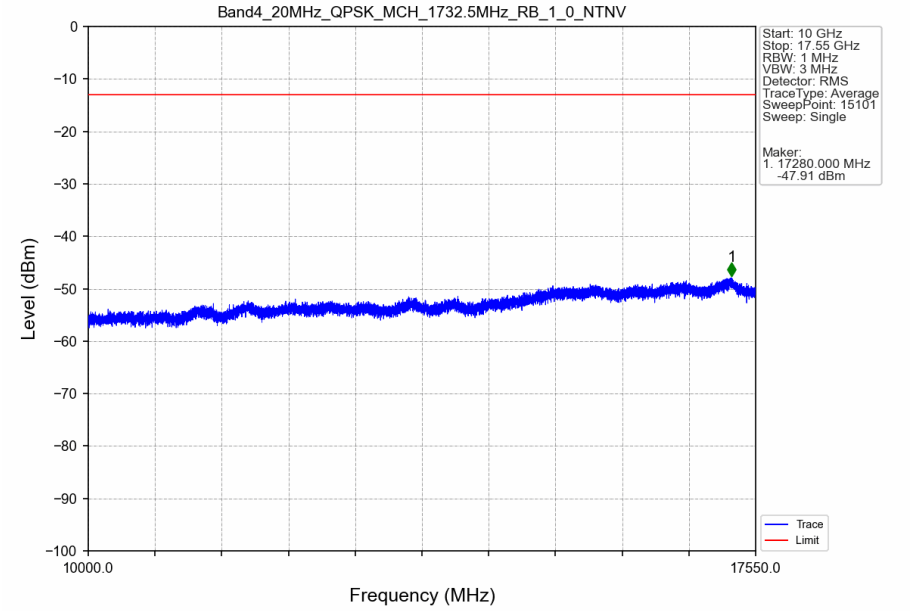


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.440	-31.66	-13	Pass
1709	1710	0.205	CHP	2	1709.920	-35.46	-13	Pass
1710	1730	0.205	CHP	/	/	/	/	/

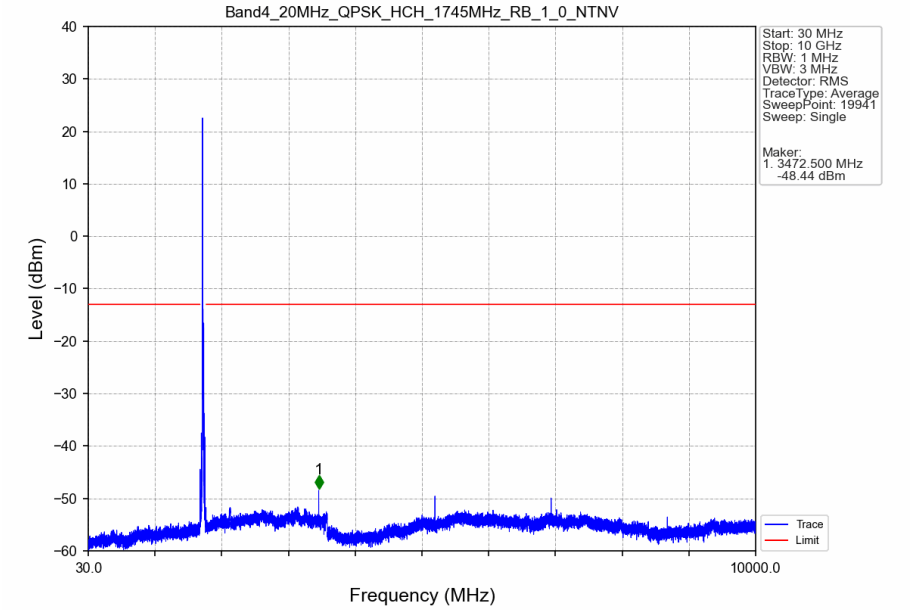
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



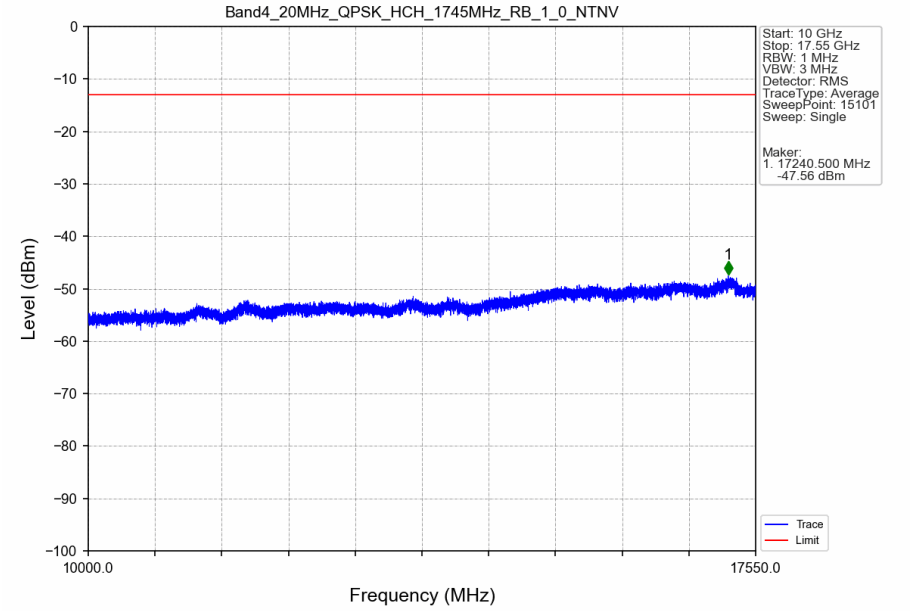
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



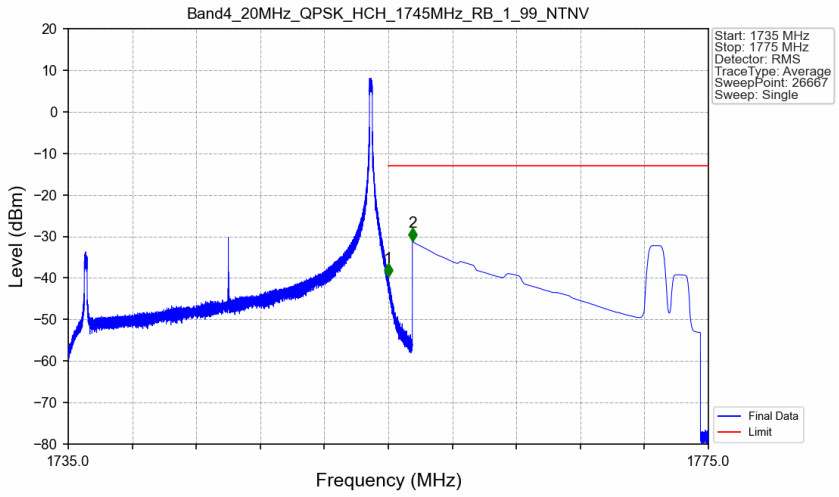
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

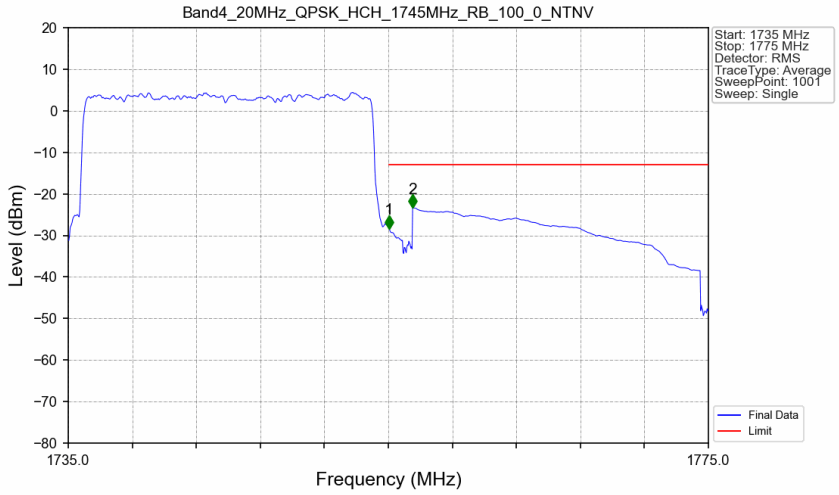


Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



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	-39.74	-13	Pass
1756	1775	1	CHP	2	1756.500	-31.20	-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	-28.31	-13	Pass
1756	1775	1	CHP	2	1756.520	-23.30	-13	Pass