

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	23.01	0.72	23.73	<=30	Pass
			5	23.05	0.72	23.77	<=30	Pass
		6	0	22.04	0.72	22.76	<=30	Pass
	1732.5	1	0	23.02	0.72	23.74	<=30	Pass
			5	23.01	0.72	23.73	<=30	Pass
		6	0	22.04	0.72	22.76	<=30	Pass
	1754.3	1	0	22.79	0.72	23.51	<=30	Pass
			5	22.77	0.72	23.49	<=30	Pass
		6	0	21.86	0.72	22.58	<=30	Pass
16QAM	1710.7	1	0	22.15	0.72	22.87	<=30	Pass
			5	22.16	0.72	22.88	<=30	Pass
		6	0	21.11	0.72	21.83	<=30	Pass
	1732.5	1	0	22.06	0.72	22.78	<=30	Pass
			5	22.06	0.72	22.78	<=30	Pass
		6	0	20.98	0.72	21.70	<=30	Pass
	1754.3	1	0	21.86	0.72	22.58	<=30	Pass
			5	21.83	0.72	22.55	<=30	Pass
		6	0	20.90	0.72	21.62	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.11	0.72	23.83	<=30	Pass
			14	22.96	0.72	23.68	<=30	Pass
		15	0	22.13	0.72	22.85	<=30	Pass
	1732.5	1	0	23.10	0.72	23.82	<=30	Pass
			14	23.05	0.72	23.77	<=30	Pass
		15	0	22.12	0.72	22.84	<=30	Pass
	1753.5	1	0	22.97	0.72	23.69	<=30	Pass
			14	22.83	0.72	23.55	<=30	Pass
		15	0	21.90	0.72	22.62	<=30	Pass
16QAM	1711.5	1	0	22.68	0.72	23.40	<=30	Pass
			14	22.55	0.72	23.27	<=30	Pass
		15	0	21.24	0.72	21.96	<=30	Pass
	1732.5	1	0	22.30	0.72	23.02	<=30	Pass
			14	22.20	0.72	22.92	<=30	Pass
		15	0	21.06	0.72	21.78	<=30	Pass
	1753.5	1	0	21.98	0.72	22.70	<=30	Pass
			14	21.87	0.72	22.59	<=30	Pass
		15	0	20.97	0.72	21.69	<=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	23.26	0.72	23.98	<=30	Pass
			24	23.11	0.72	23.83	<=30	Pass
		25	0	22.12	0.72	22.84	<=30	Pass
	1732.5	1	0	23.23	0.72	23.95	<=30	Pass
			24	23.12	0.72	23.84	<=30	Pass
		25	0	22.16	0.72	22.88	<=30	Pass
	1752.5	1	0	23.09	0.72	23.81	<=30	Pass
			24	22.88	0.72	23.60	<=30	Pass
		25	0	21.94	0.72	22.66	<=30	Pass
16QAM	1712.5	1	0	22.12	0.72	22.84	<=30	Pass
			24	22.03	0.72	22.75	<=30	Pass
		25	0	21.15	0.72	21.87	<=30	Pass
	1732.5	1	0	22.46	0.72	23.18	<=30	Pass
			24	22.37	0.72	23.09	<=30	Pass
		25	0	21.16	0.72	21.88	<=30	Pass
	1752.5	1	0	22.24	0.72	22.96	<=30	Pass
			24	22.02	0.72	22.74	<=30	Pass
		25	0	20.99	0.72	21.71	<=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	23.37	0.72	24.09	<=30	Pass
			49	23.54	0.72	24.26	<=30	Pass
		50	0	22.21	0.72	22.93	<=30	Pass
	1732.5	1	0	23.41	0.72	24.13	<=30	Pass
			49	23.48	0.72	24.20	<=30	Pass
		50	0	22.18	0.72	22.90	<=30	Pass
	1750	1	0	23.29	0.72	24.01	<=30	Pass
			49	23.25	0.72	23.97	<=30	Pass
		50	0	22.05	0.72	22.77	<=30	Pass
16QAM	1715	1	0	22.91	0.72	23.63	<=30	Pass
			49	23.07	0.72	23.79	<=30	Pass
		50	0	21.26	0.72	21.98	<=30	Pass
	1732.5	1	0	22.56	0.72	23.28	<=30	Pass
			49	22.67	0.72	23.39	<=30	Pass
		50	0	21.22	0.72	21.94	<=30	Pass
	1750	1	0	22.25	0.72	22.97	<=30	Pass
			49	22.34	0.72	23.06	<=30	Pass
		50	0	21.06	0.72	21.78	<=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	22.92	0.72	23.64	<=30	Pass
			74	22.86	0.72	23.58	<=30	Pass
		75	0	22.04	0.72	22.76	<=30	Pass
	1732.5	1	0	23.02	0.72	23.74	<=30	Pass
			74	22.88	0.72	23.60	<=30	Pass
		75	0	22.00	0.72	22.72	<=30	Pass
	1747.5	1	0	22.94	0.72	23.66	<=30	Pass
			74	22.61	0.72	23.33	<=30	Pass
		75	0	21.90	0.72	22.62	<=30	Pass
16QAM	1717.5	1	0	22.44	0.72	23.16	<=30	Pass
			74	22.40	0.72	23.12	<=30	Pass
		75	0	21.03	0.72	21.75	<=30	Pass
	1732.5	1	0	22.22	0.72	22.94	<=30	Pass
			74	22.10	0.72	22.82	<=30	Pass
		75	0	21.05	0.72	21.77	<=30	Pass
	1747.5	1	0	22.39	0.72	23.11	<=30	Pass
			74	22.07	0.72	22.79	<=30	Pass
		75	0	20.92	0.72	21.64	<=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	22.72	0.72	23.44	<=30	Pass
			99	22.80	0.72	23.52	<=30	Pass
		100	0	21.91	0.72	22.63	<=30	Pass
	1732.5	1	0	22.76	0.72	23.48	<=30	Pass
			99	22.91	0.72	23.63	<=30	Pass
		100	0	21.95	0.72	22.67	<=30	Pass
	1745	1	0	22.71	0.72	23.43	<=30	Pass
			99	22.56	0.72	23.28	<=30	Pass
		100	0	21.83	0.72	22.55	<=30	Pass
16QAM	1720	1	0	21.99	0.72	22.71	<=30	Pass
			99	22.11	0.72	22.83	<=30	Pass
		100	0	20.97	0.72	21.69	<=30	Pass
	1732.5	1	0	21.83	0.72	22.55	<=30	Pass
			99	22.05	0.72	22.77	<=30	Pass
		100	0	20.98	0.72	21.70	<=30	Pass
	1745	1	0	22.31	0.72	23.03	<=30	Pass
			99	22.08	0.72	22.80	<=30	Pass
		100	0	20.84	0.72	21.56	<=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	12	1.702	0.0010	-2.5 to 2.5	Pass
					24	2.060	0.0012	-2.5 to 2.5	Pass
					48	3.505	0.0020	-2.5 to 2.5	Pass
				-30	24	2.117	0.0012	-2.5 to 2.5	Pass
				-20	24	0.815	0.0005	-2.5 to 2.5	Pass
				-10	24	0.615	0.0004	-2.5 to 2.5	Pass
				0	24	1.888	0.0011	-2.5 to 2.5	Pass
				10	24	0.186	0.0001	-2.5 to 2.5	Pass
				30	24	0.930	0.0005	-2.5 to 2.5	Pass
				40	24	1.087	0.0006	-2.5 to 2.5	Pass
				50	24	-0.114	-0.0001	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

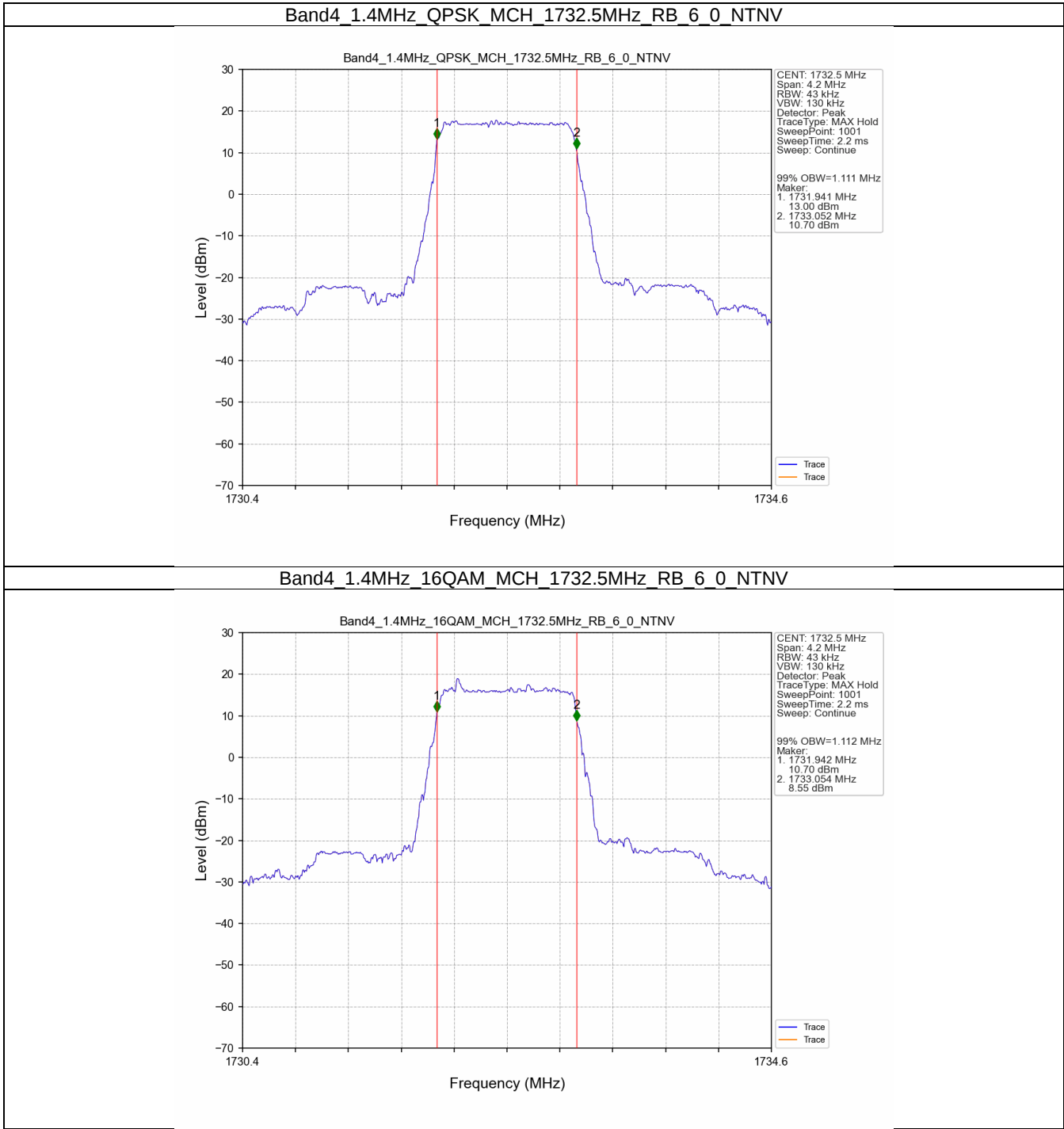
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.111	/	Pass
	16QAM	1732.5	6	0	1.112	/	Pass
3	QPSK	1732.5	15	0	2.744	/	Pass
	16QAM	1732.5	15	0	2.732	/	Pass
5	QPSK	1732.5	25	0	4.575	/	Pass
	16QAM	1732.5	25	0	4.539	/	Pass
10	QPSK	1732.5	50	0	9.061	/	Pass
	16QAM	1732.5	50	0	9.033	/	Pass
15	QPSK	1732.5	75	0	13.612	/	Pass
	16QAM	1732.5	75	0	13.619	/	Pass
20	QPSK	1732.5	100	0	18.159	/	Pass
	16QAM	1732.5	100	0	18.144	/	Pass

3.1.2 Band4_XDB

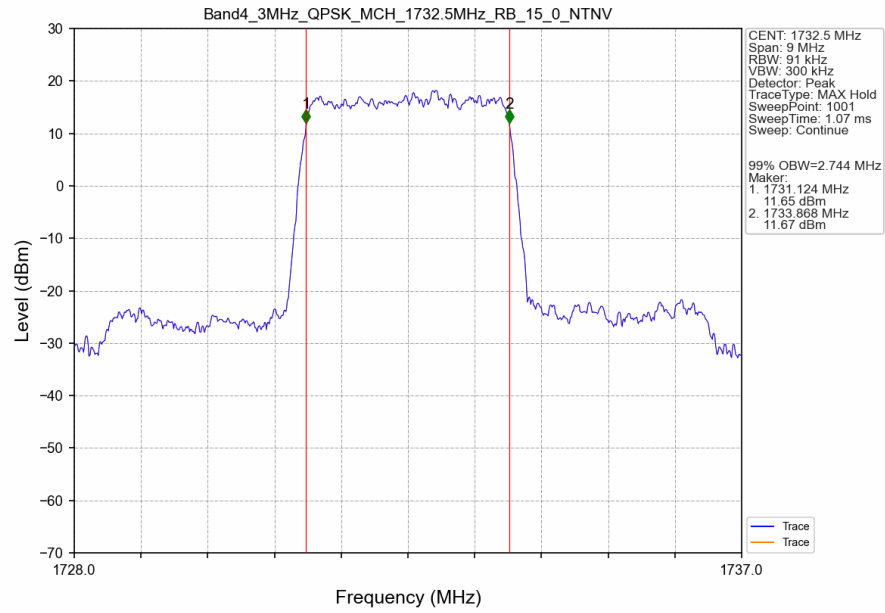
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.324	/	Pass
	16QAM	1732.5	6	0	1.306	/	Pass
3	QPSK	1732.5	15	0	3.041	/	Pass
	16QAM	1732.5	15	0	3.050	/	Pass
5	QPSK	1732.5	25	0	5.060	/	Pass
	16QAM	1732.5	25	0	5.040	/	Pass
10	QPSK	1732.5	50	0	10.134	/	Pass
	16QAM	1732.5	50	0	10.003	/	Pass
15	QPSK	1732.5	75	0	15.049	/	Pass
	16QAM	1732.5	75	0	15.035	/	Pass
20	QPSK	1732.5	100	0	19.858	/	Pass
	16QAM	1732.5	100	0	19.801	/	Pass

3.2 Test Graph

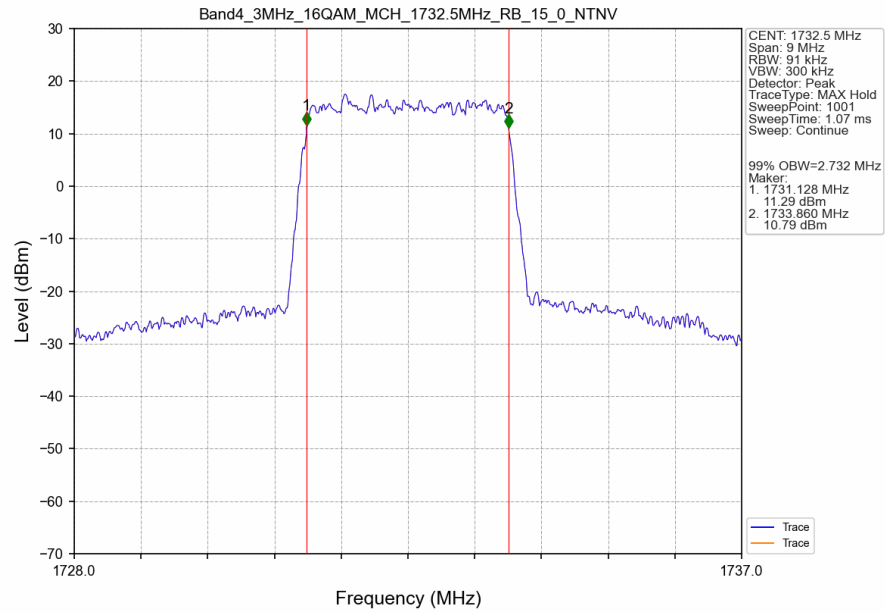
3.2.1 Band4_OBW



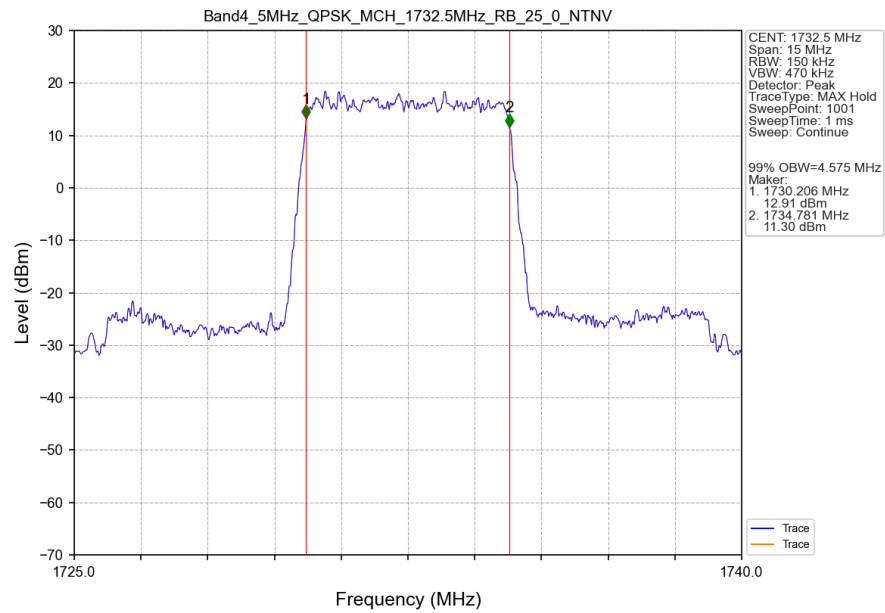
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTV



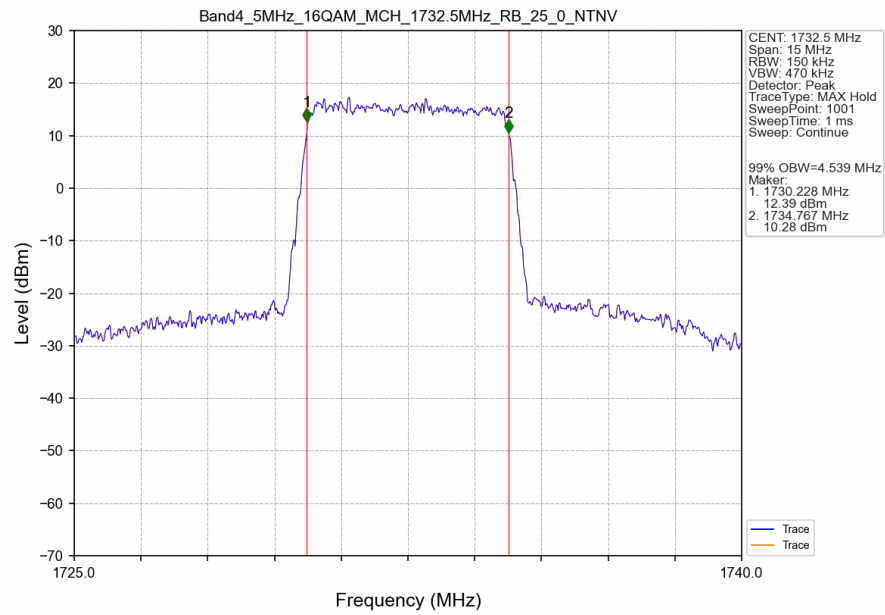
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTV



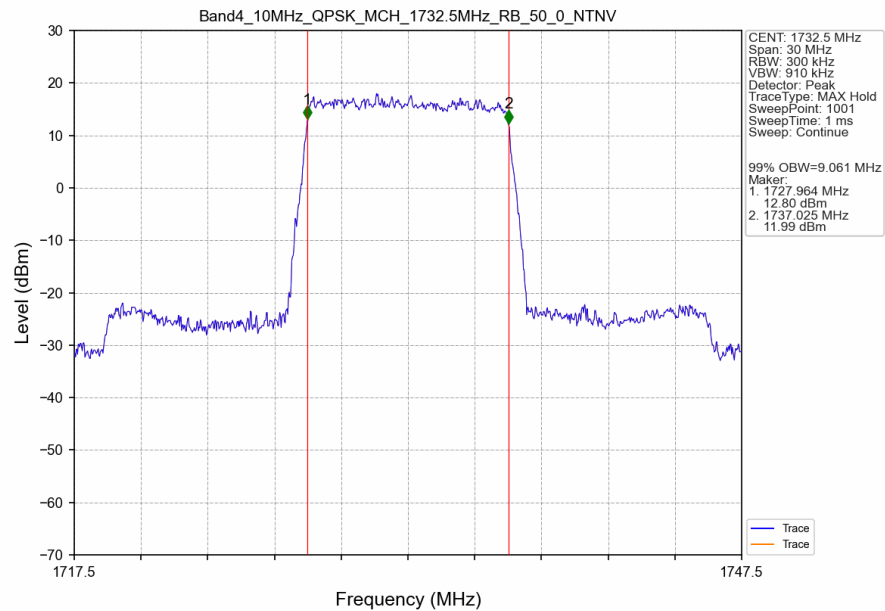
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV



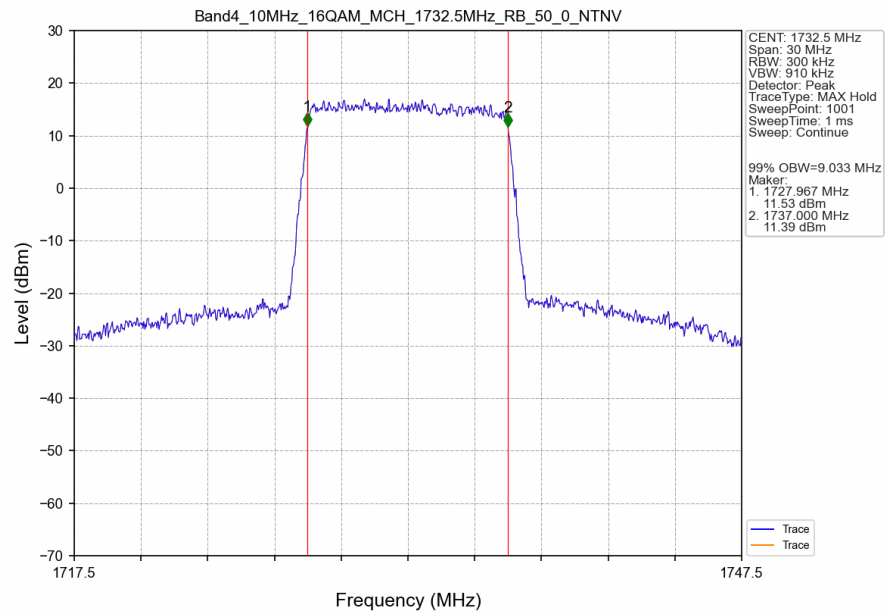
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV



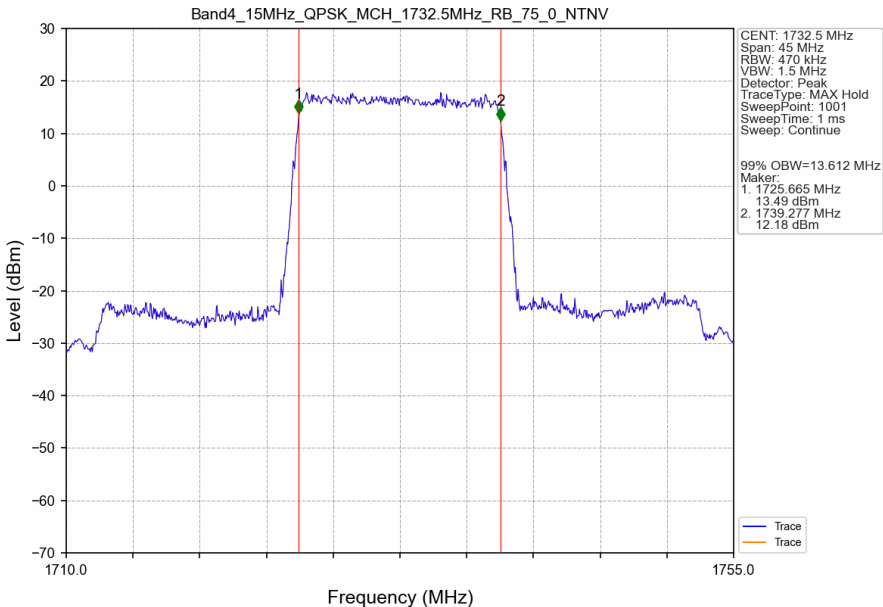
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV



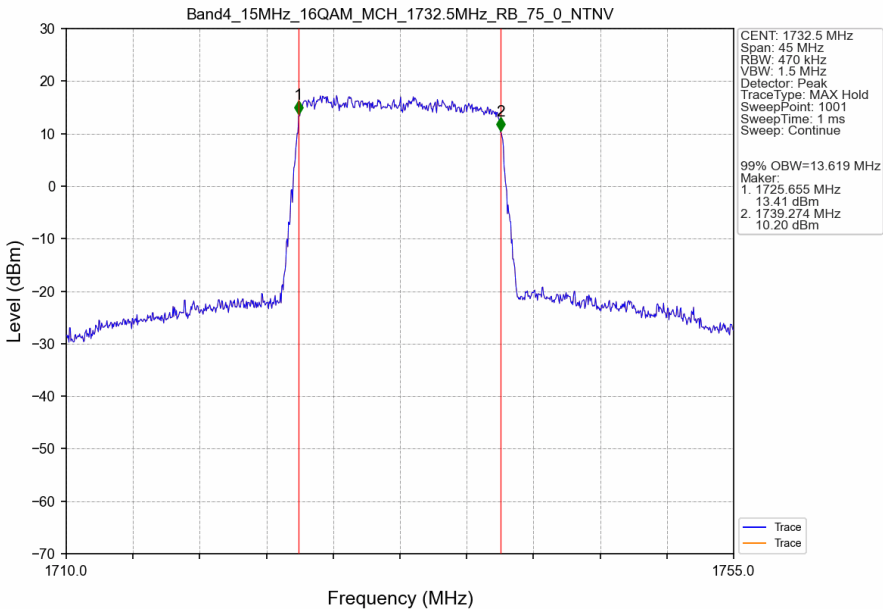
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTNV



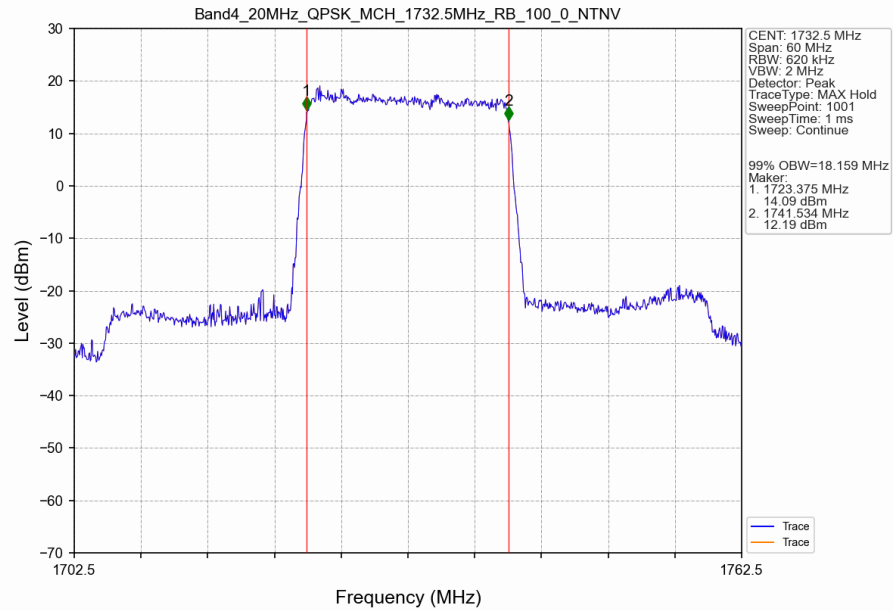
Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV



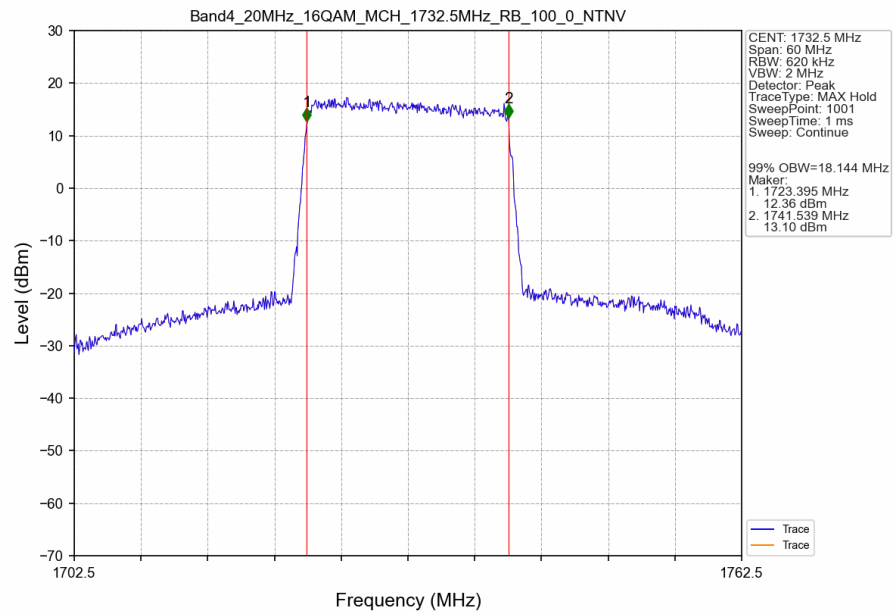
Band4 15MHz 16QAM MCH 1732.5MHz RB 75 0 NTNV



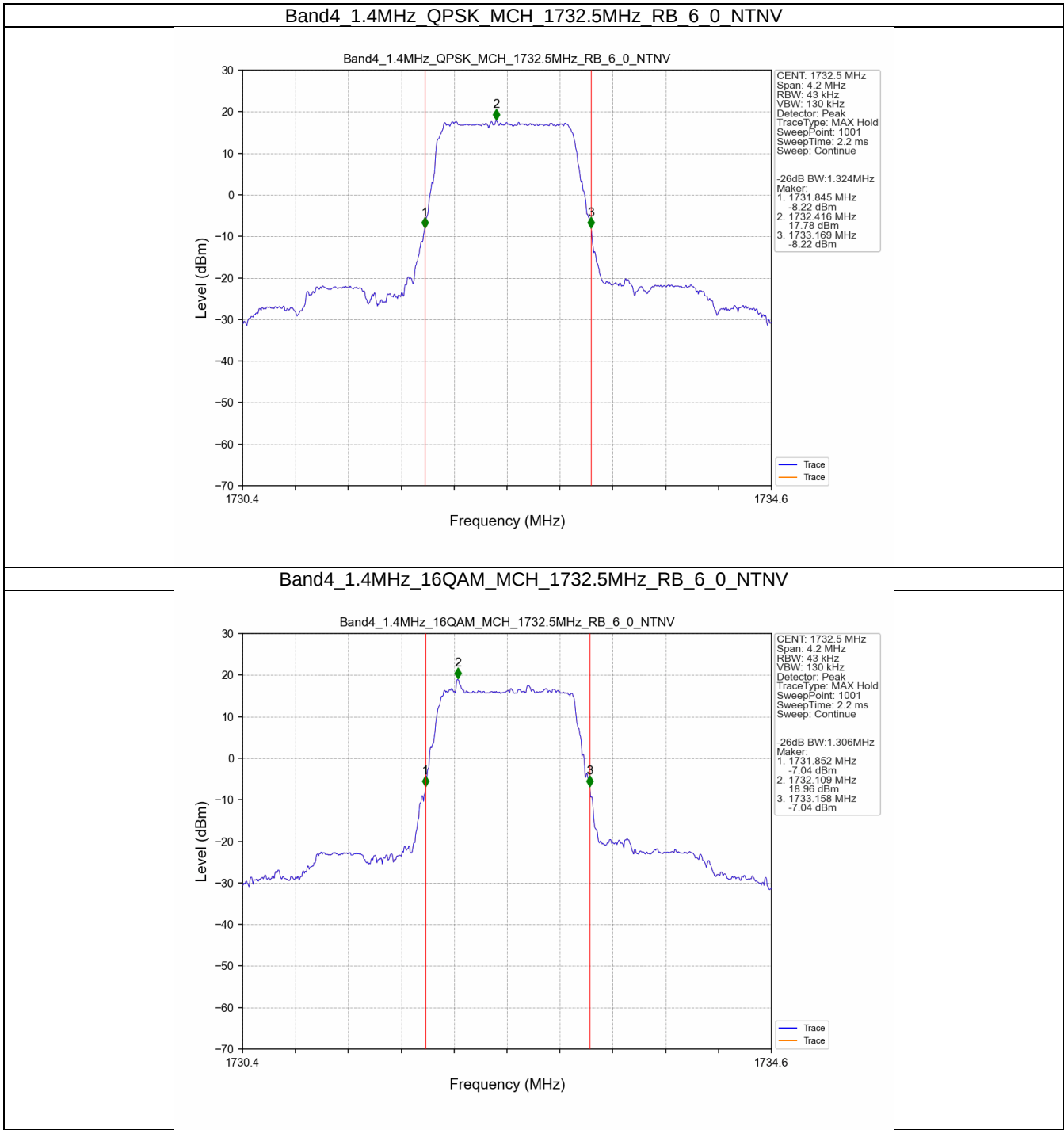
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



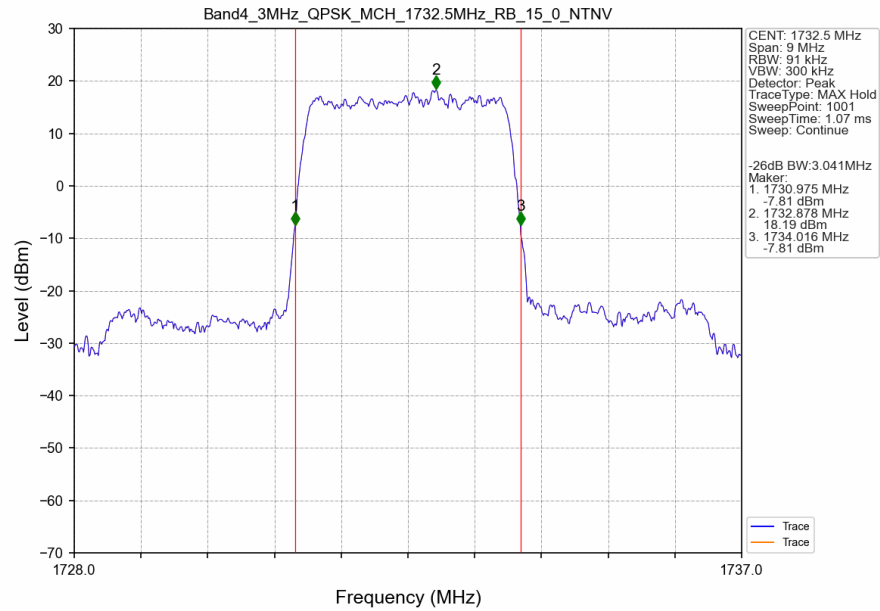
Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTNV



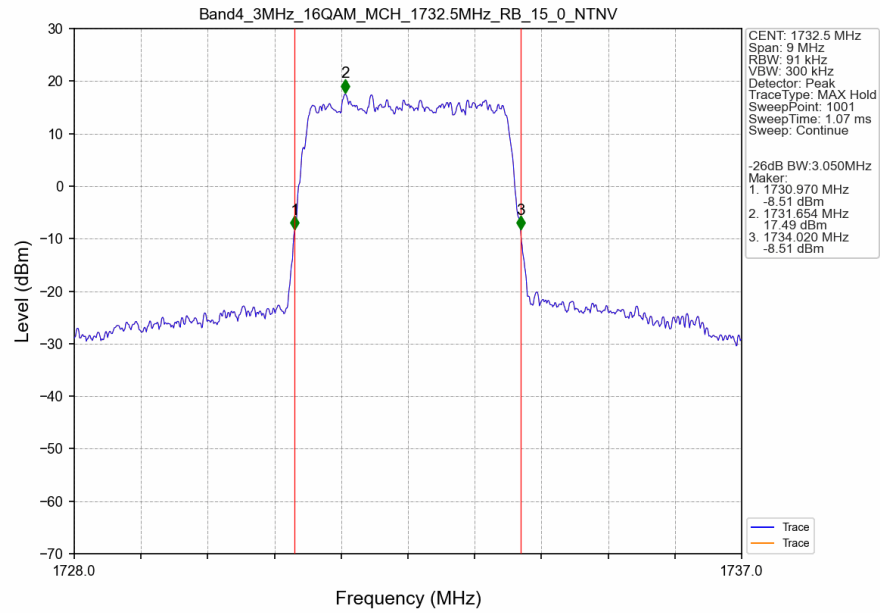
3.2.2 Band4_XDB



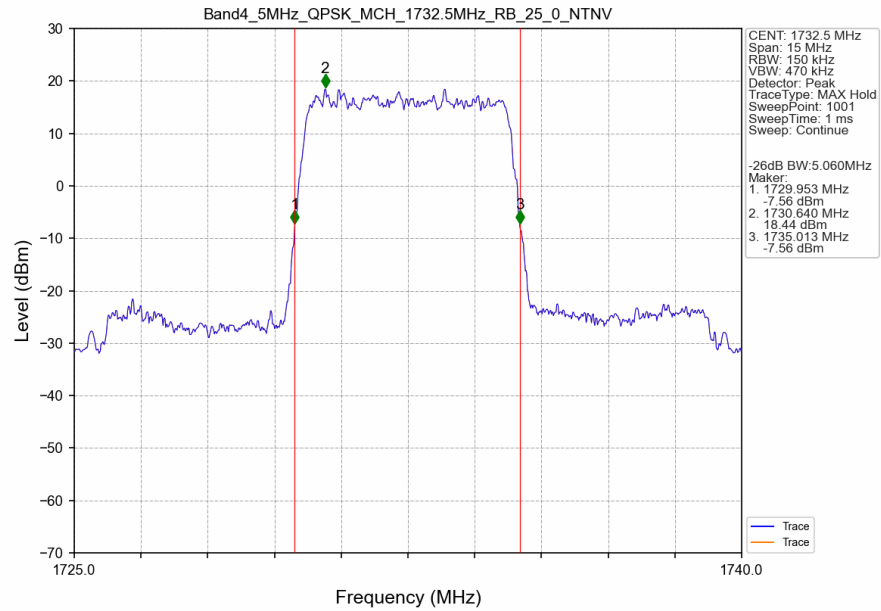
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTN



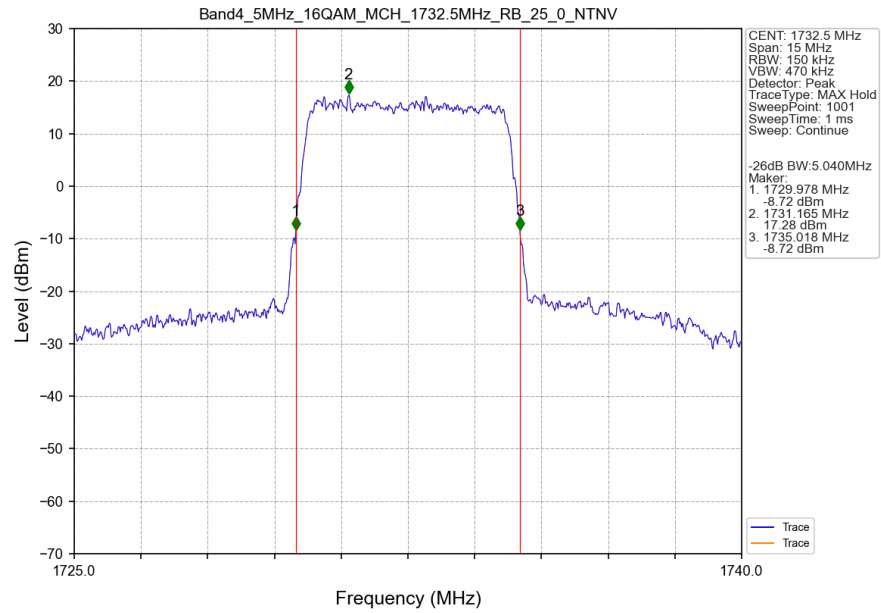
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTN



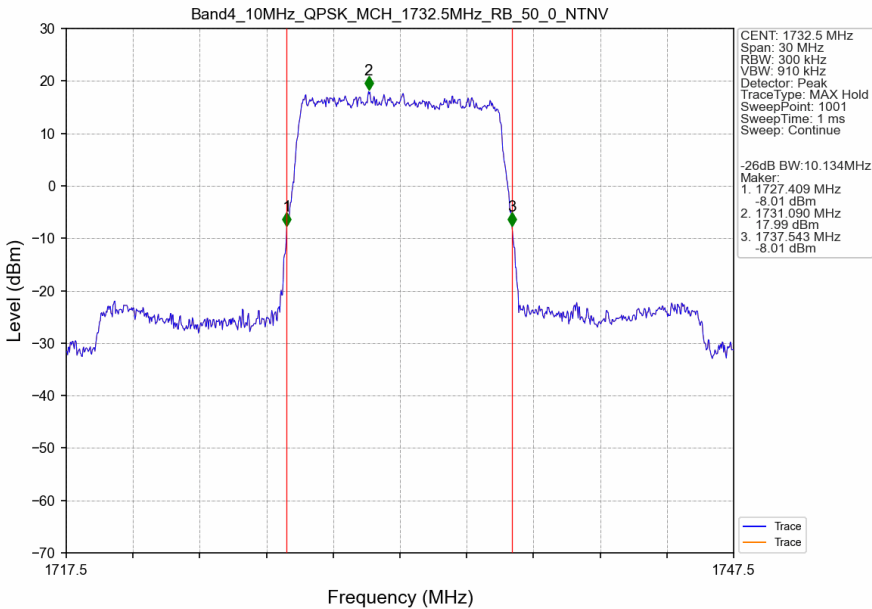
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTN



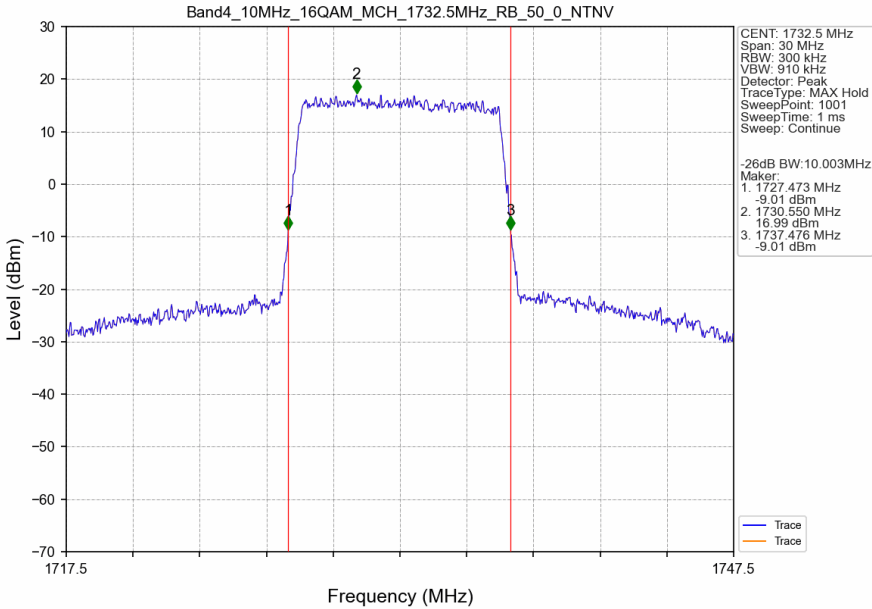
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTN



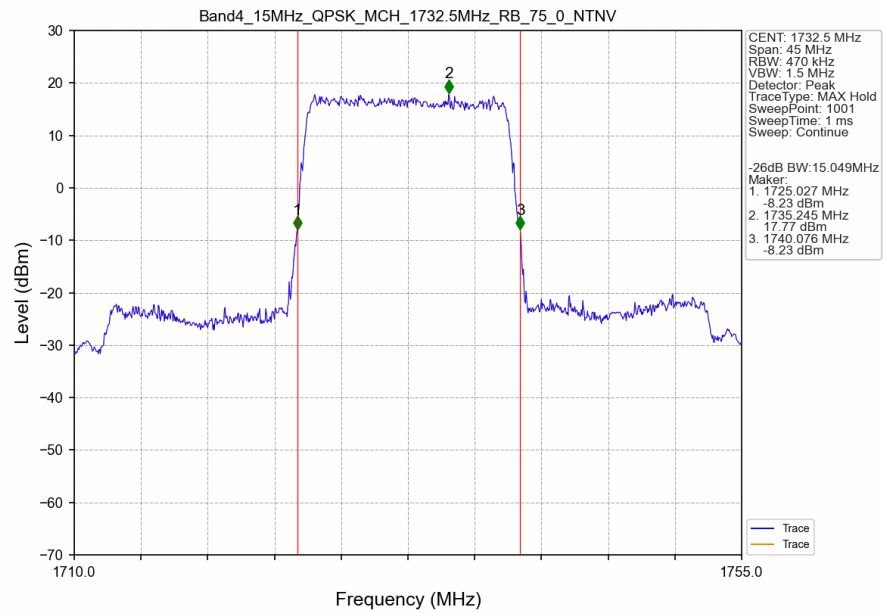
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV



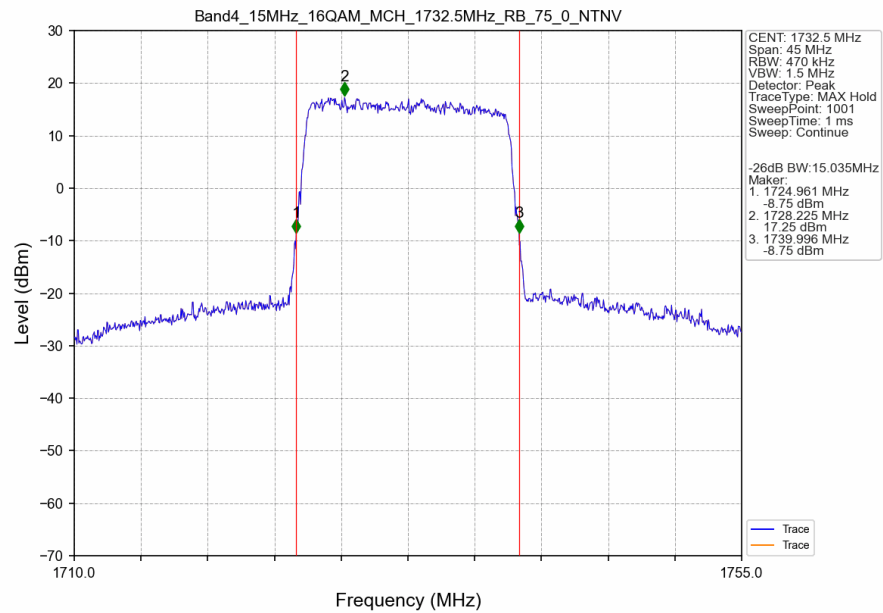
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTNV



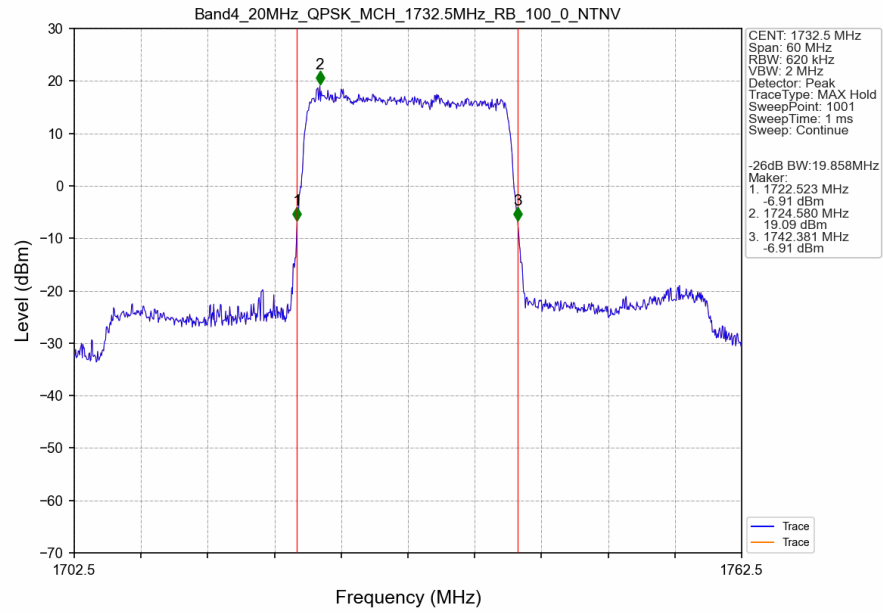
Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV



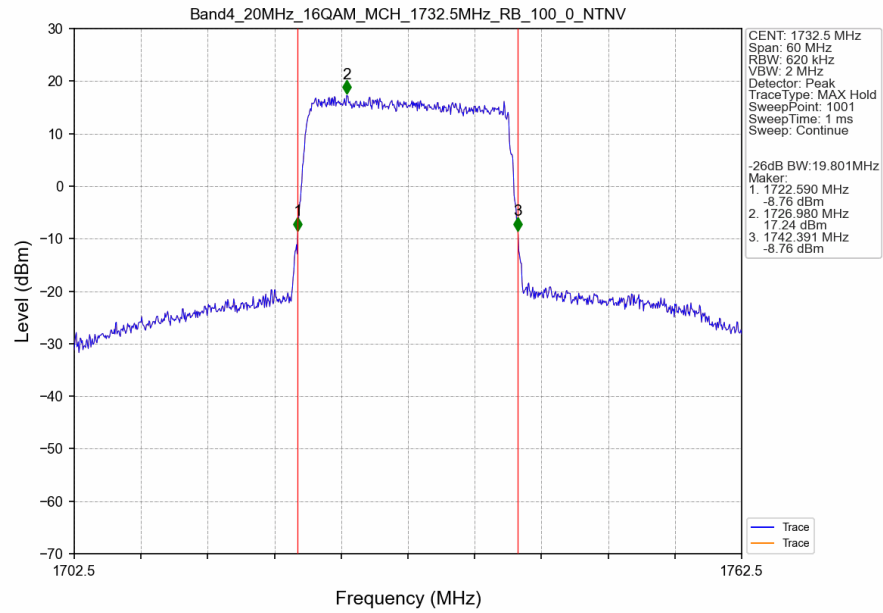
Band4 15MHz 16QAM MCH 1732.5MHz RB 75 0 NTNV



Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



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



4. Peak-Average Ratio

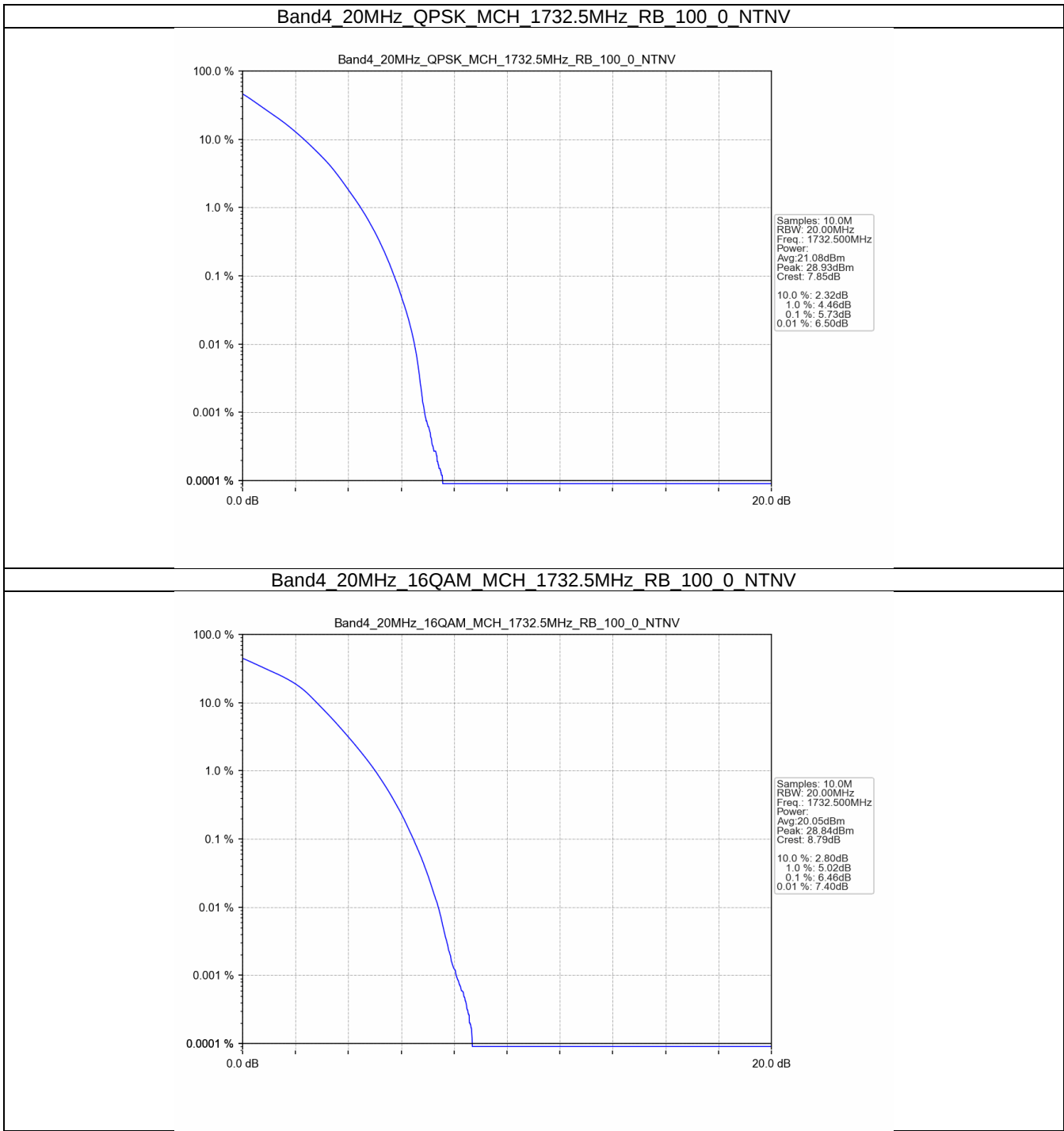
4.1 Test Result

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	5.73	<=13	Pass
16QAM	1732.5	100	0	6.46	<=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
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5.1.5 B4_15MHz

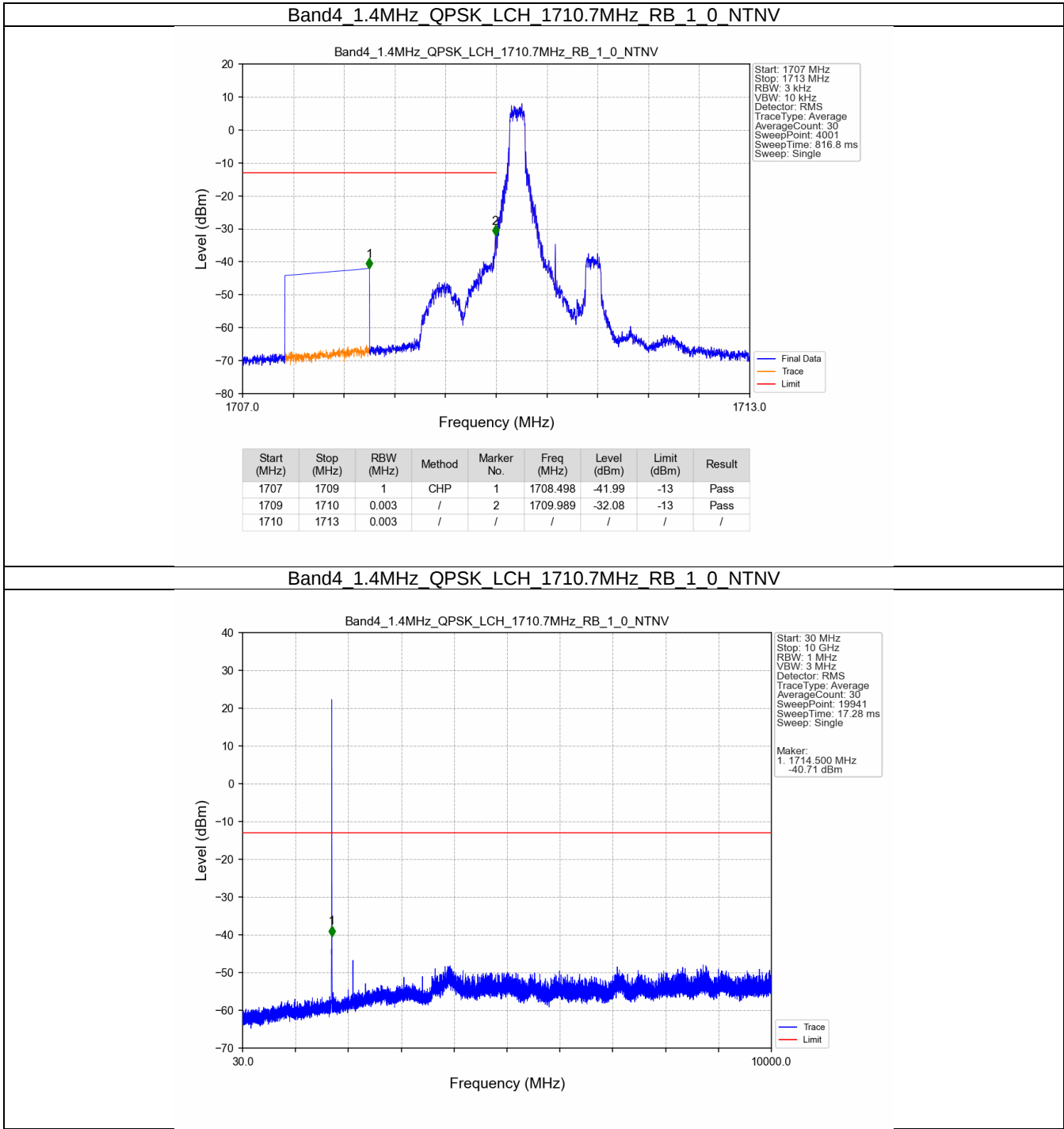
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.6 B4_20MHz

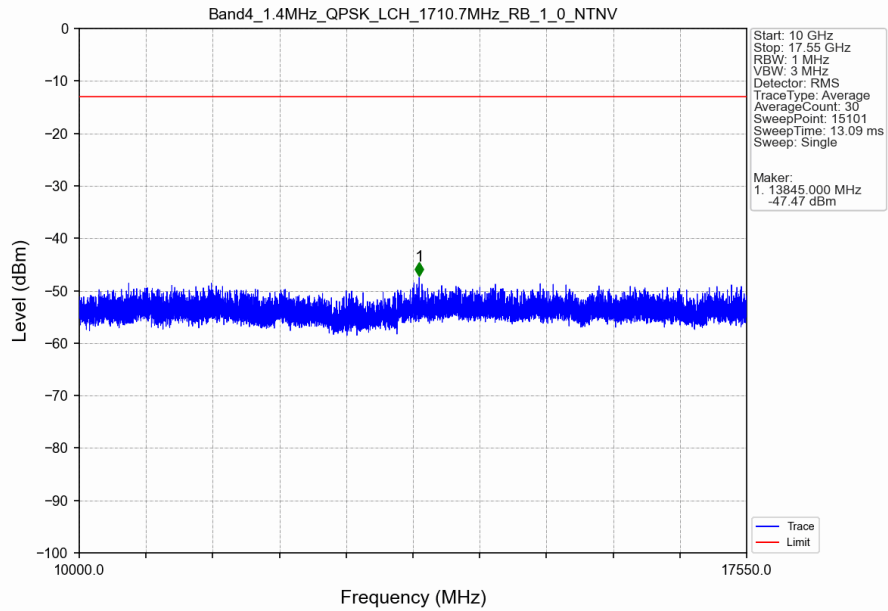
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

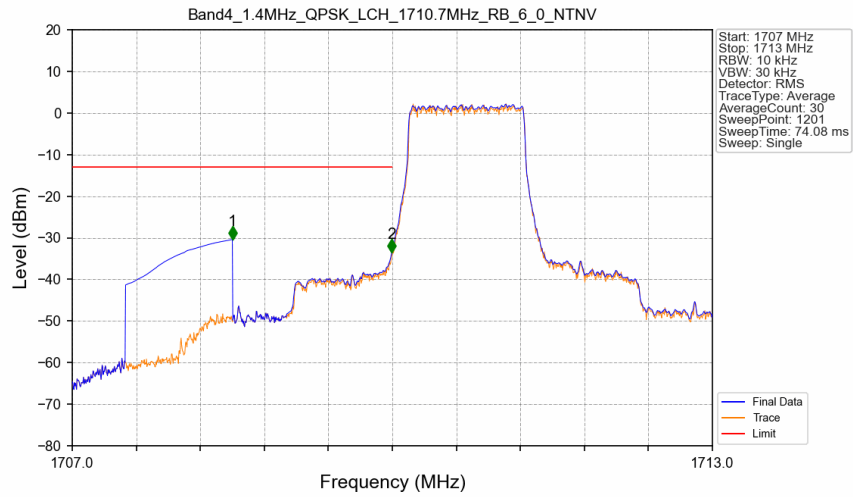
5.2.1 B4_1.4MHz



Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV

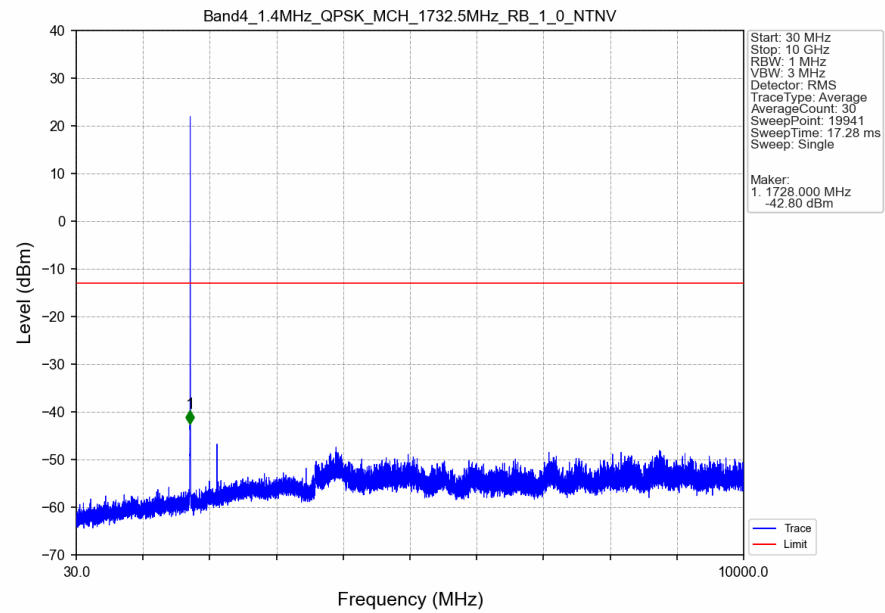


Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTV

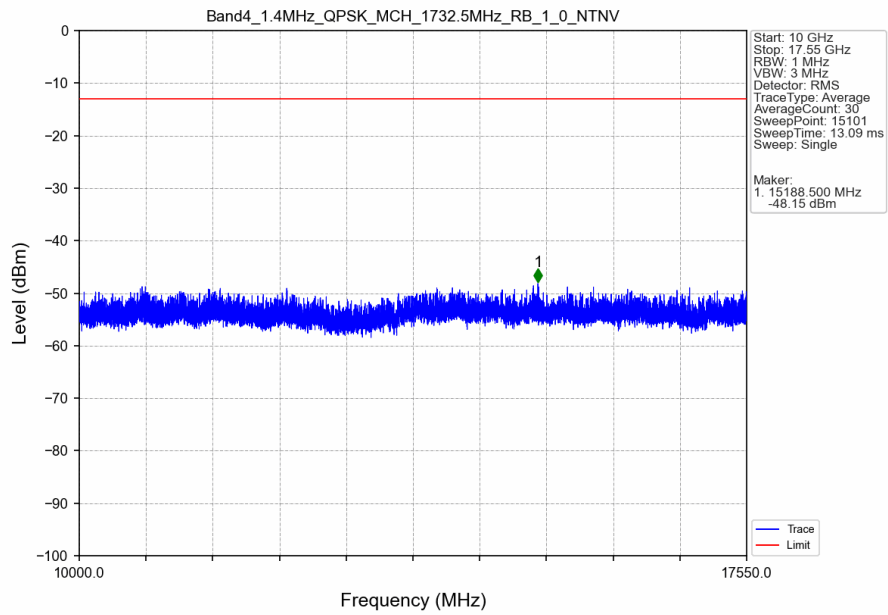


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-30.42	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-33.44	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

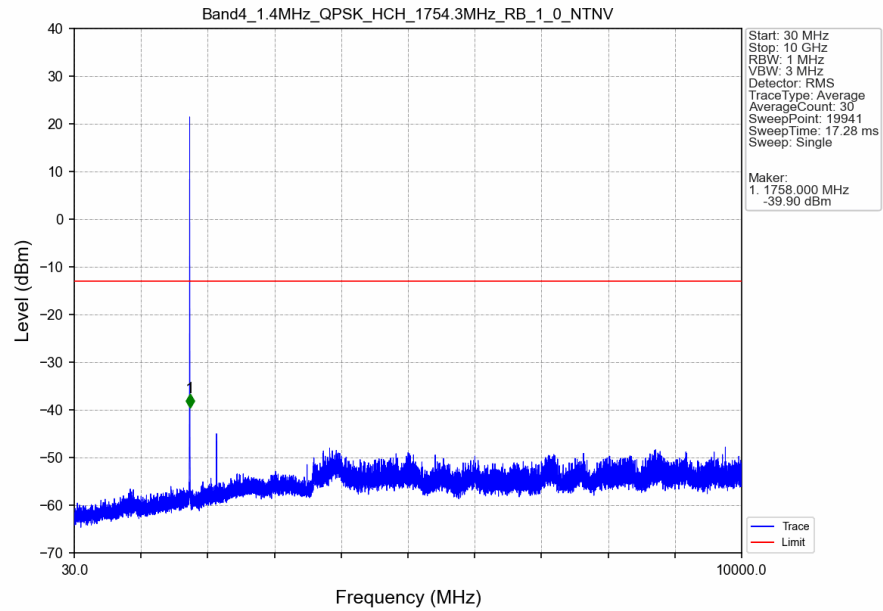
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTV



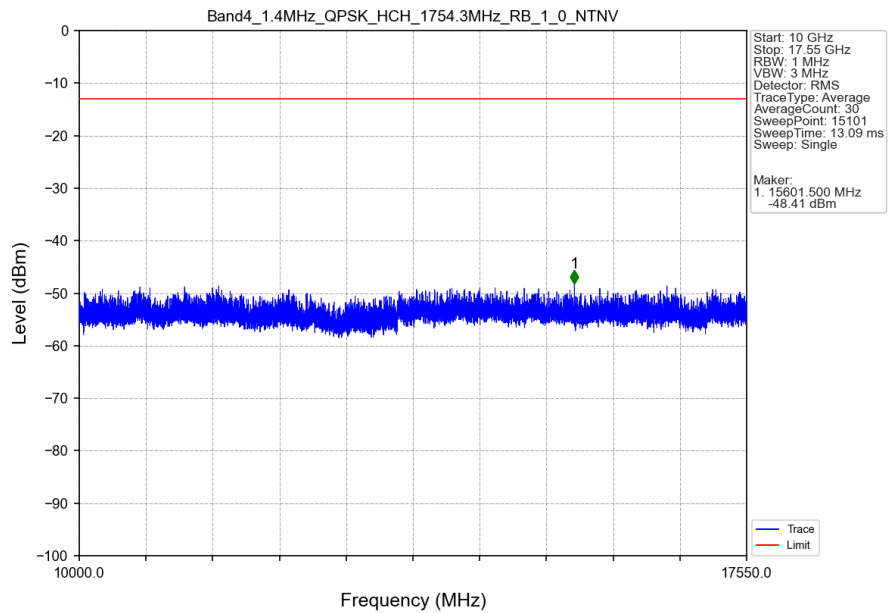
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTV



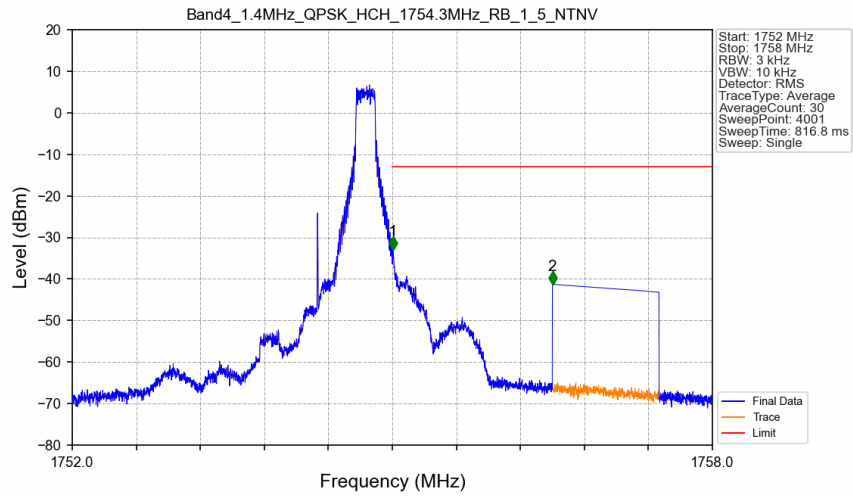
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTV



Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTV

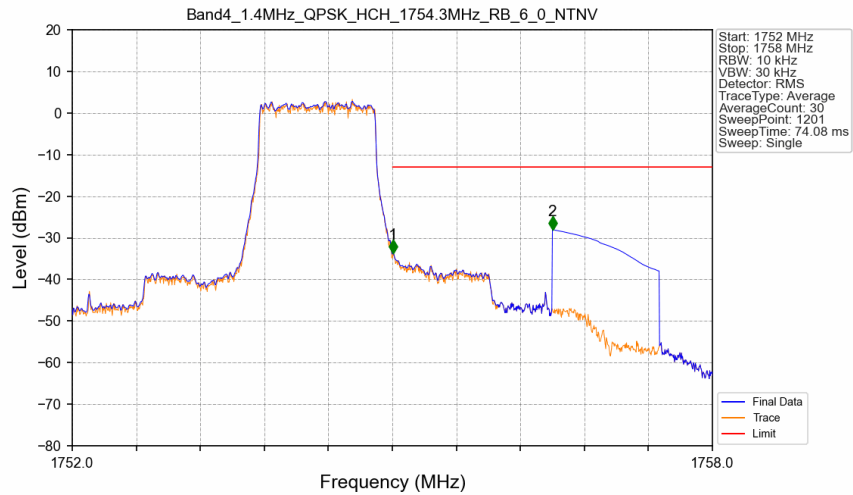


Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 5 NTV



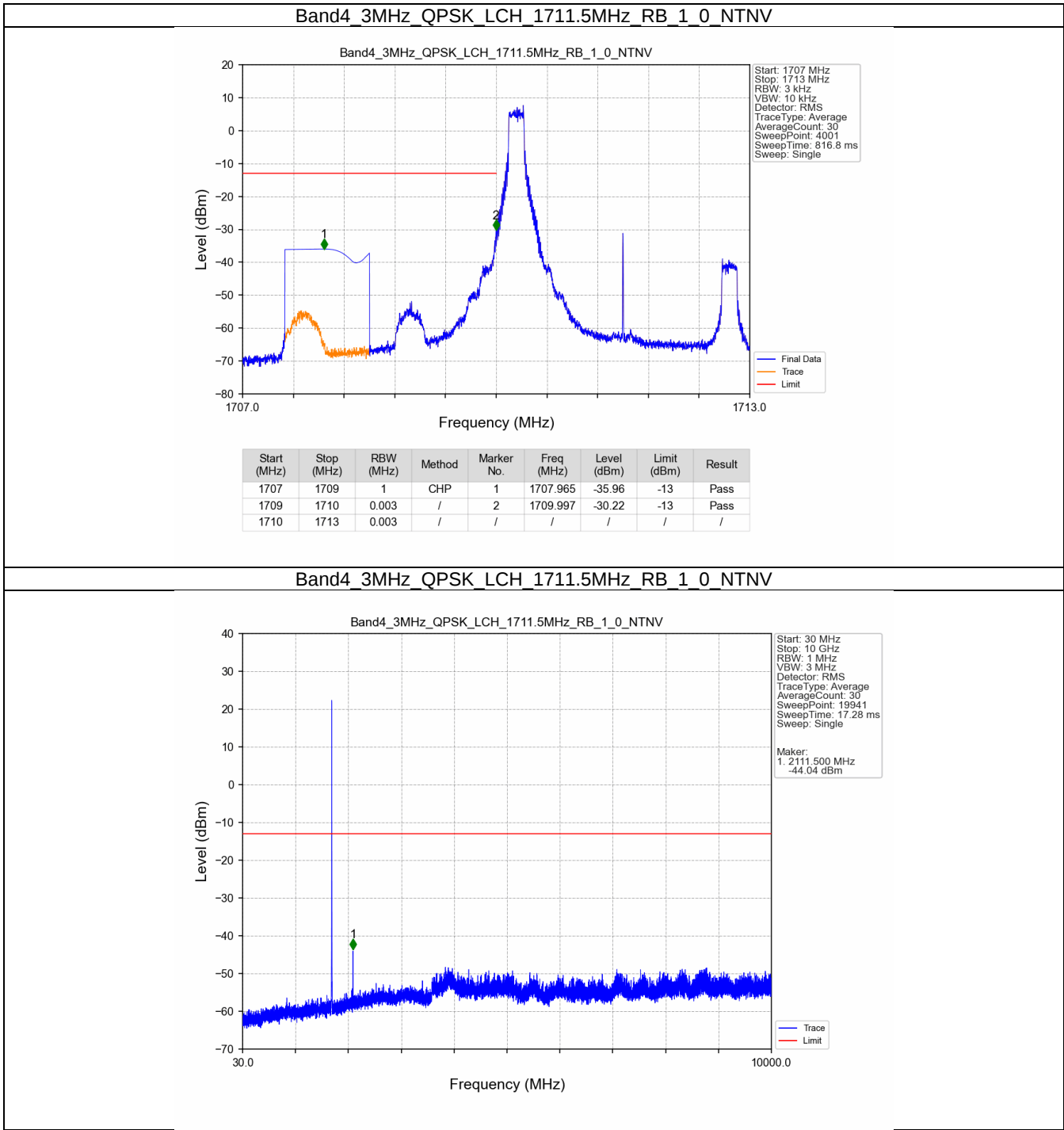
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.006	-33.01	-13	Pass
1756	1758	1	CHP	2	1756.500	-41.26	-13	Pass

Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV

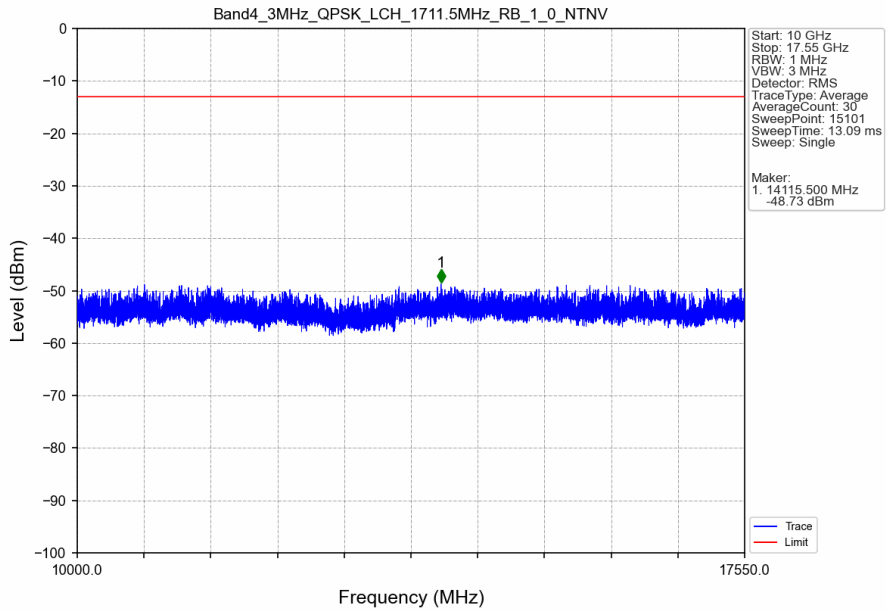


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.005	-33.71	-13	Pass
1756	1758	1	CHP	2	1756.500	-28.03	-13	Pass

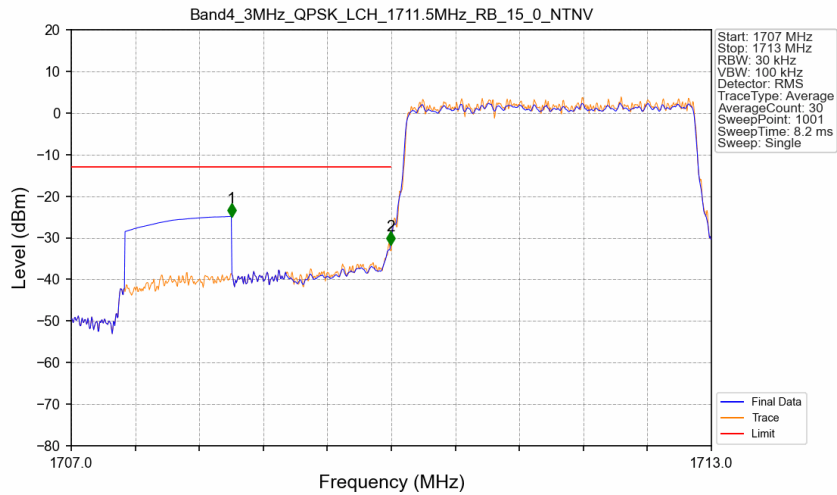
5.2.2 B4_3MHz



Band4 3MHz QPSK LCH 1711.5MHz RB 1 0 NTN

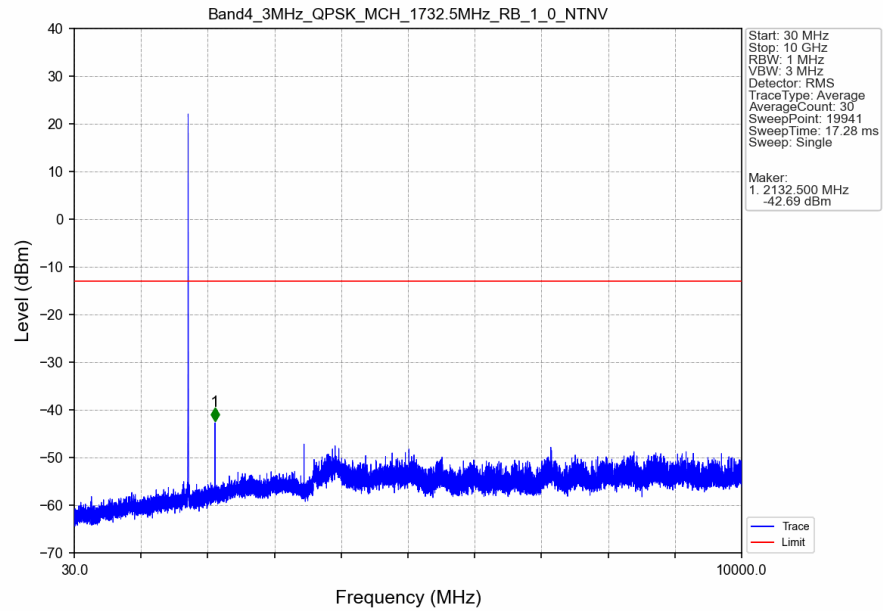


Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTN

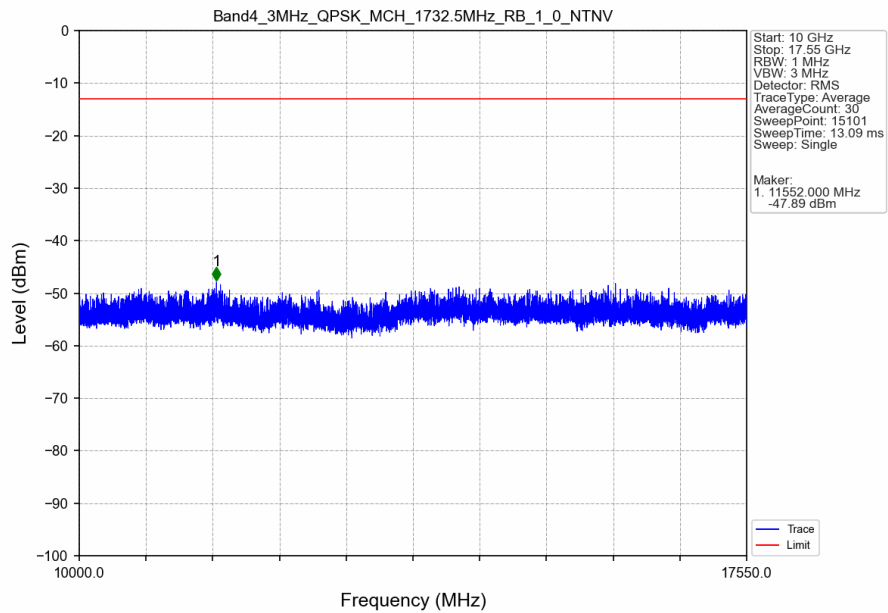


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-24.87	-13	Pass
1709	1710	0.031	CHP	2	1709.994	-31.76	-13	Pass
1710	1713	0.031	CHP	/	/	/	/	/

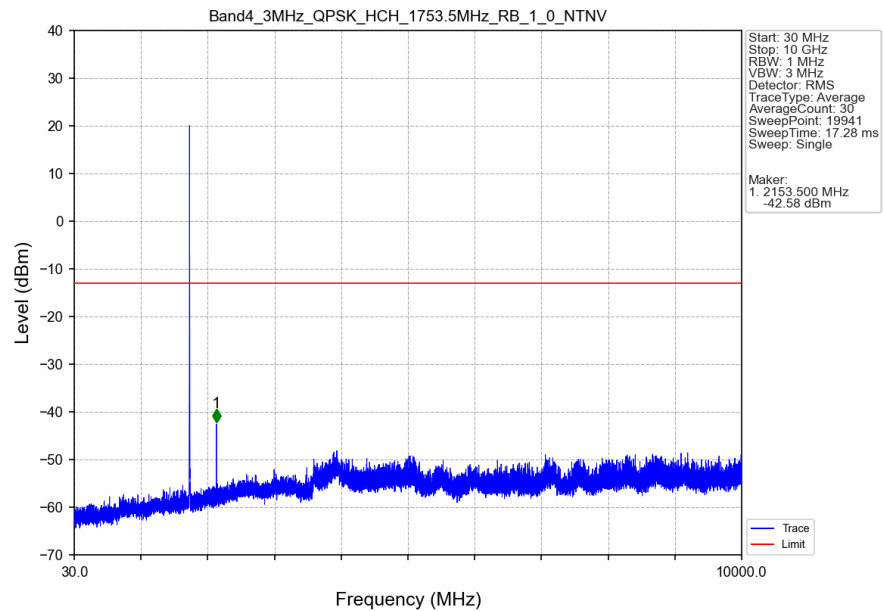
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN



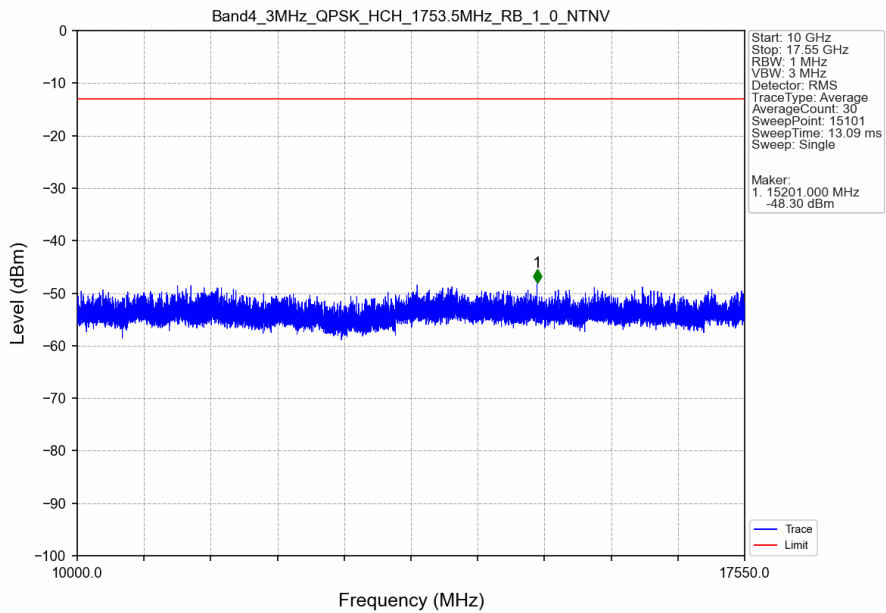
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN



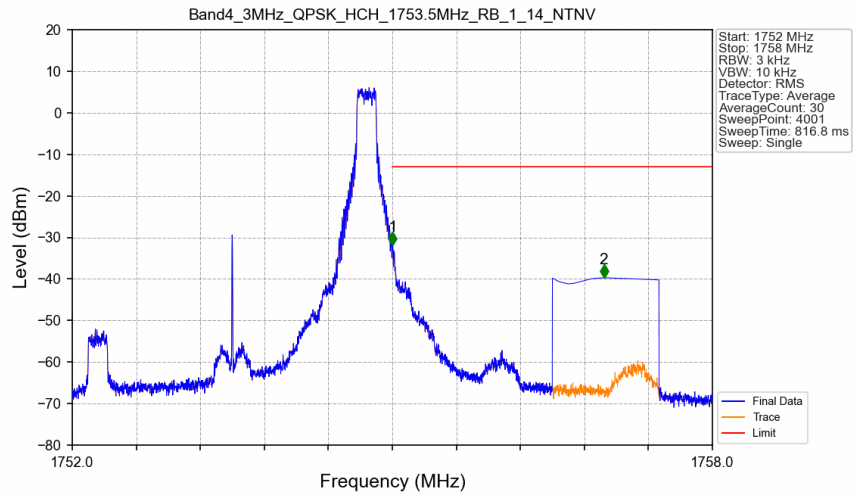
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTNV



Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTNV

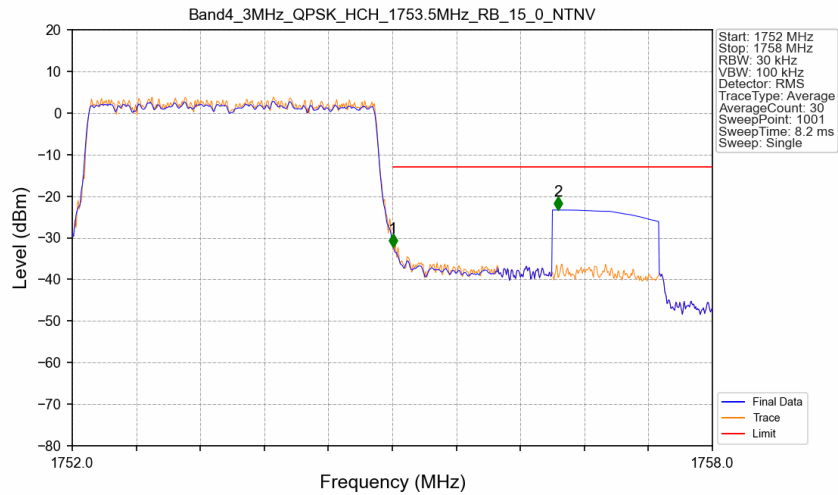


Band4 3MHz QPSK HCH 1753.5MHz RB 1 14 NTV



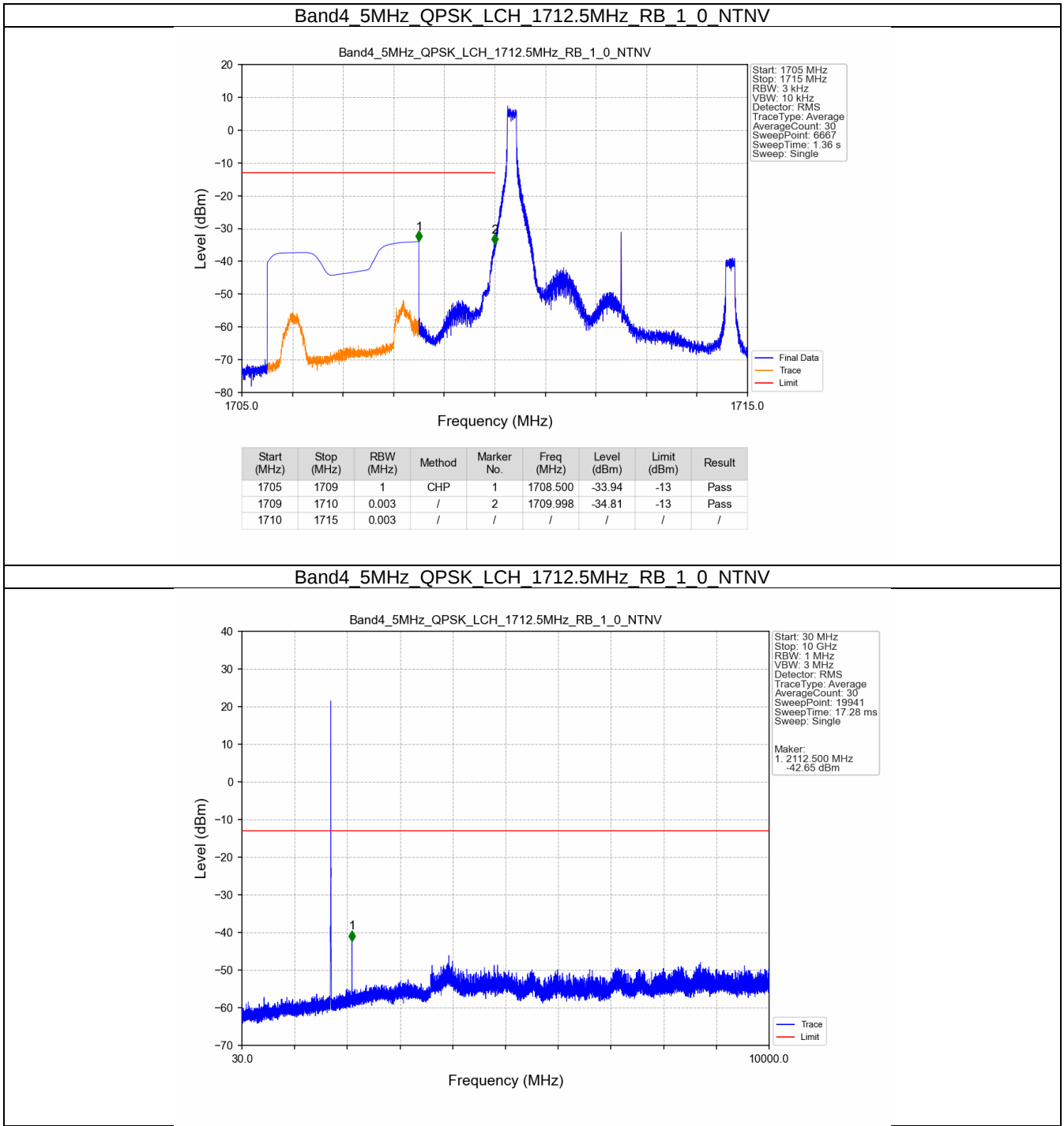
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-31.92	-13	Pass
1756	1758	1	CHP	2	1756.983	-39.74	-13	Pass

Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV

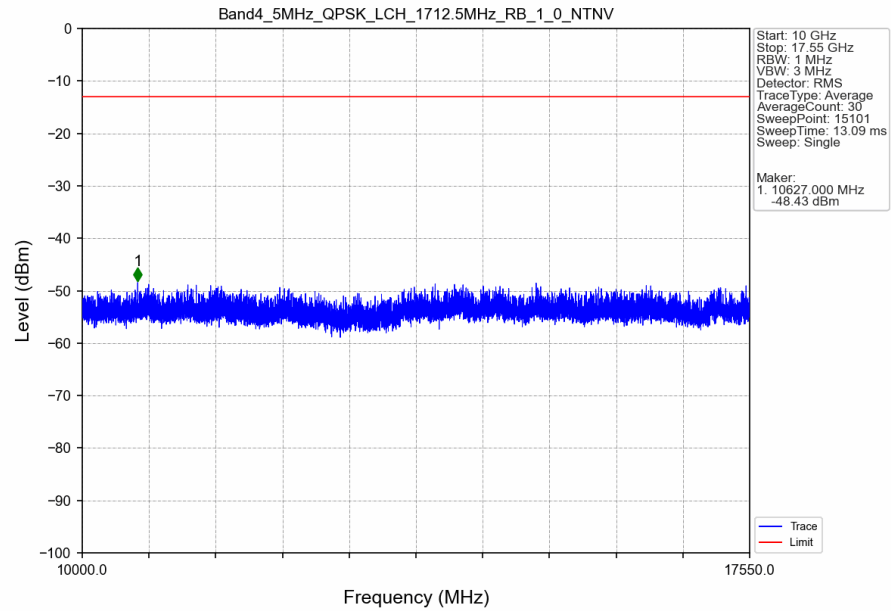


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.031	CHP	/	/	/	/	/
1755	1756	0.031	CHP	1	1755.006	-32.14	-13	Pass
1756	1758	1	CHP	2	1756.554	-23.31	-13	Pass

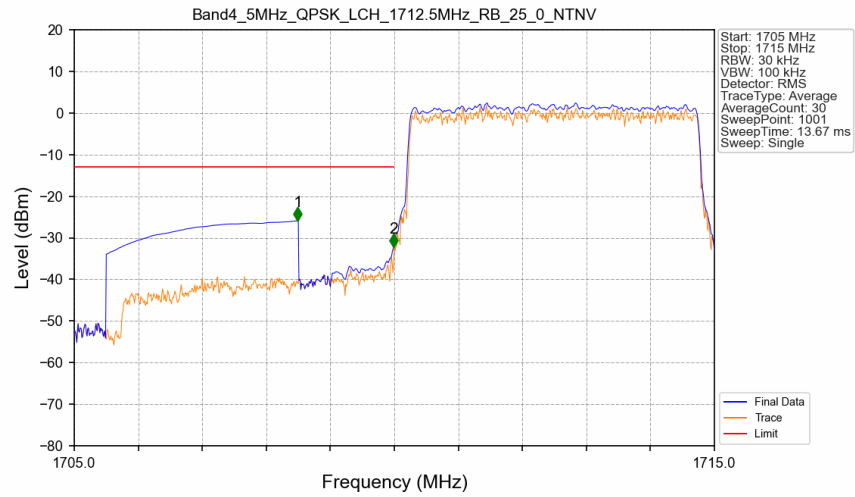
5.2.3 B4_5MHz



Band4 5MHz QPSK LCH 1712.5MHz RB 1 0 NTNV

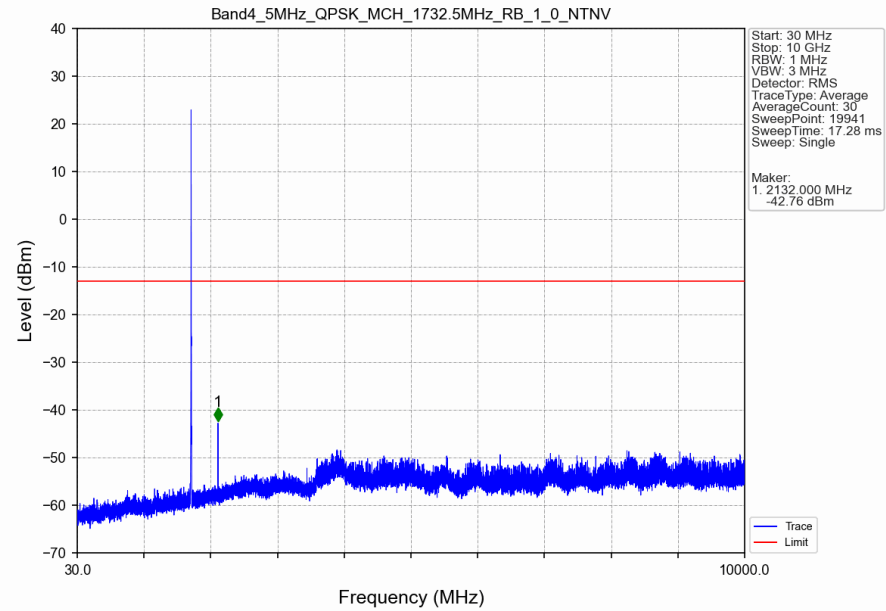


Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV

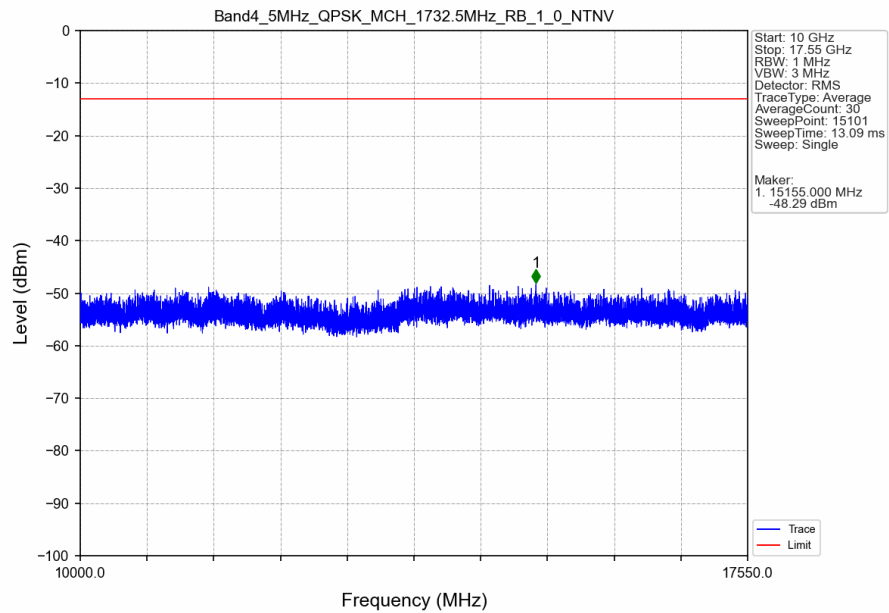


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-25.92	-13	Pass
1709	1710	0.051	CHP	2	1709.990	-32.18	-13	Pass
1710	1715	0.051	CHP	/	/	/	/	/

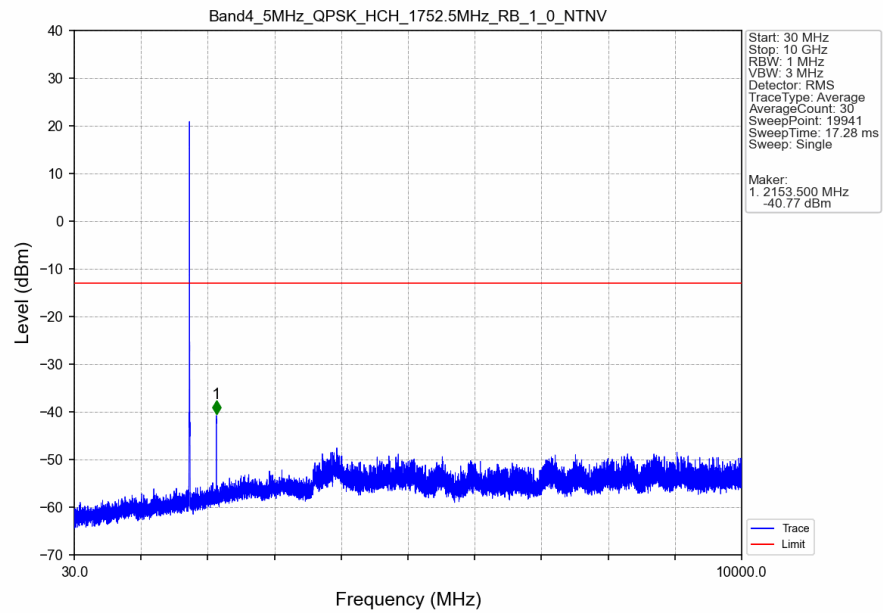
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



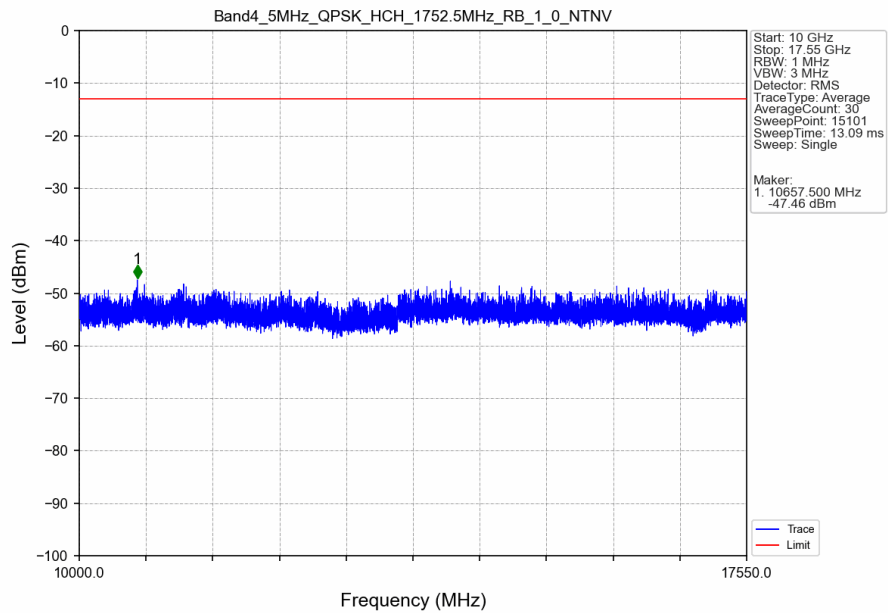
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



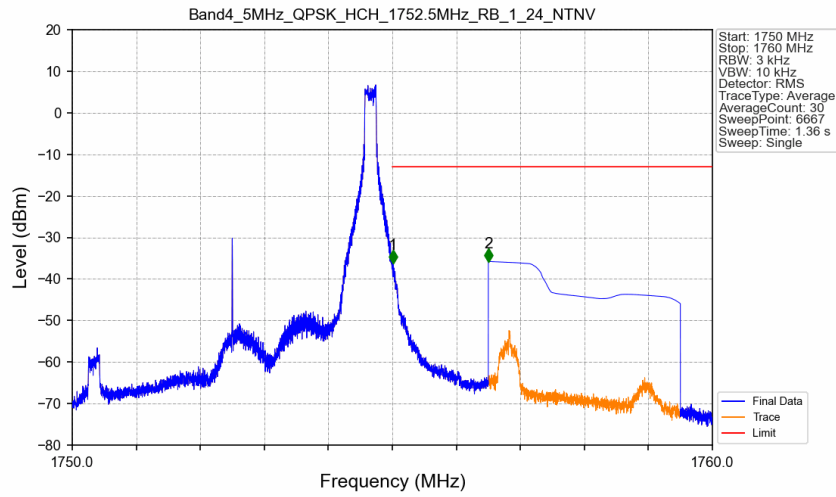
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTNV



Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTNV

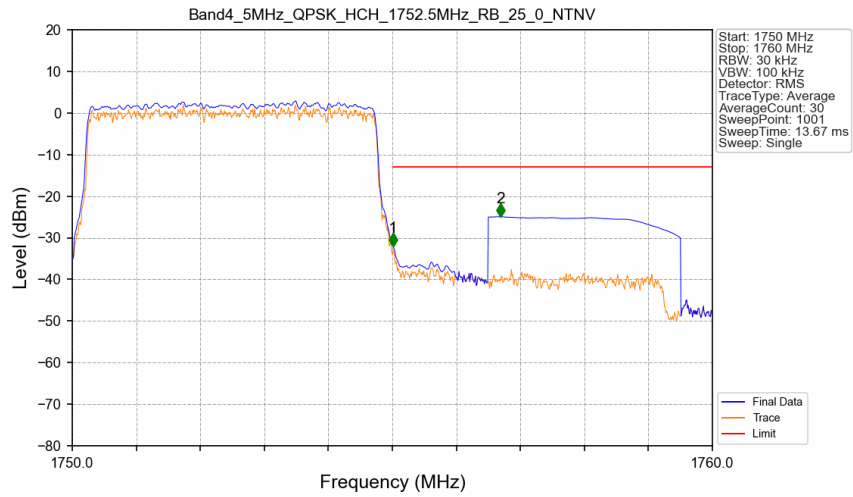


Band4 5MHz QPSK HCH 1752.5MHz RB 1 24 NTV



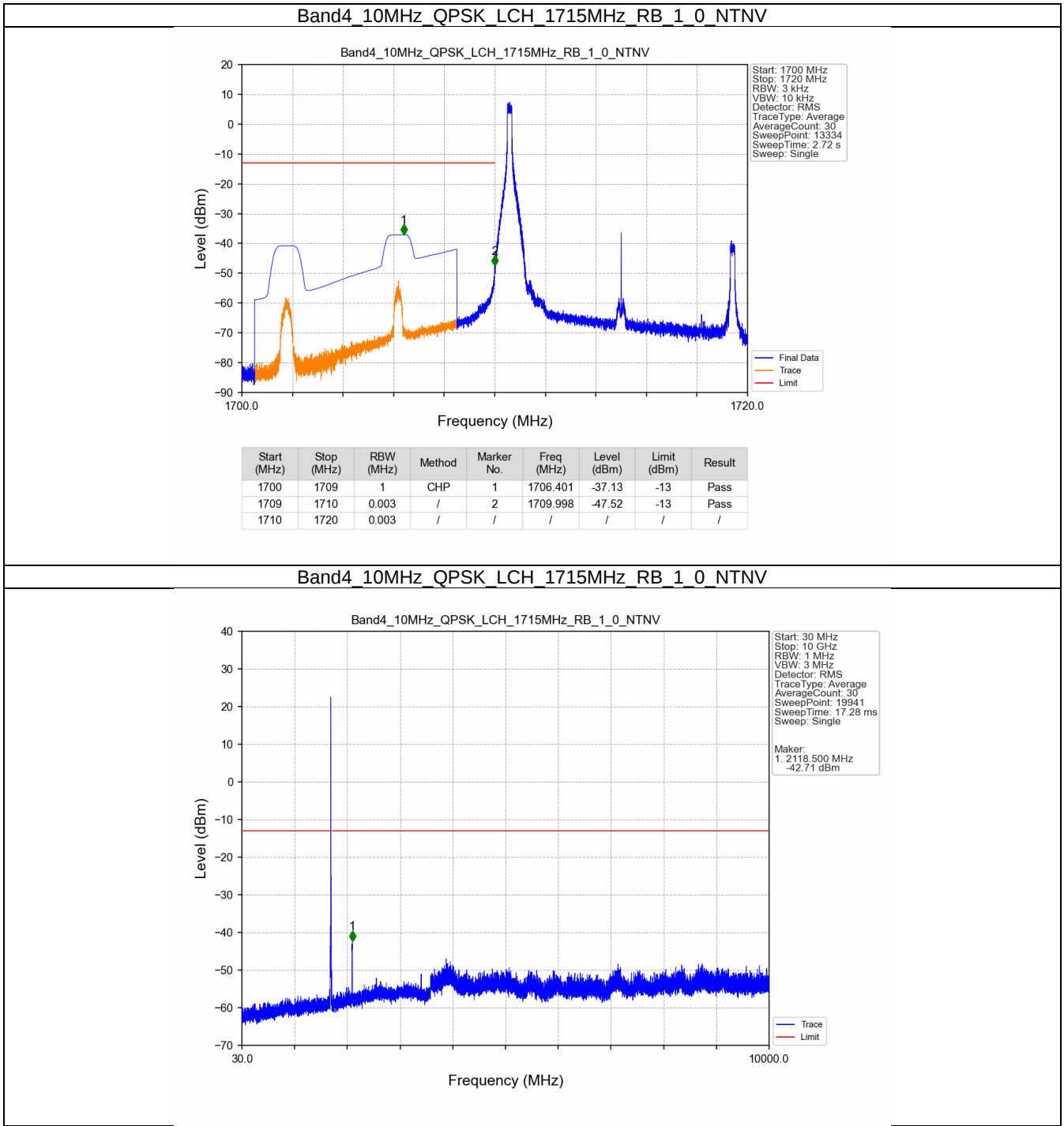
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.012	-36.23	-13	Pass
1756	1760	1	CHP	2	1756.500	-35.79	-13	Pass

Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTV

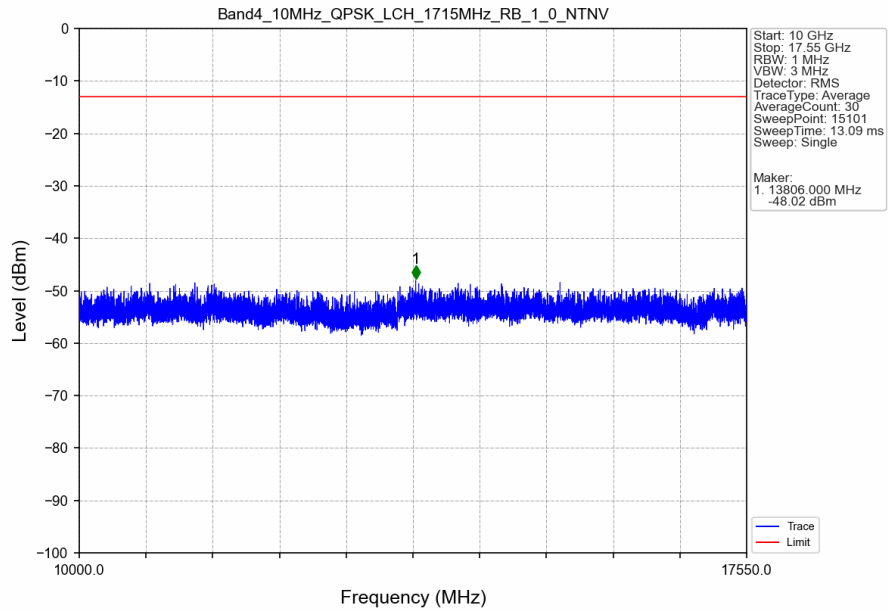


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.051	CHP	/	/	/	/	/
1755	1756	0.051	CHP	1	1755.010	-32.06	-13	Pass
1756	1760	1	CHP	2	1756.690	-24.94	-13	Pass

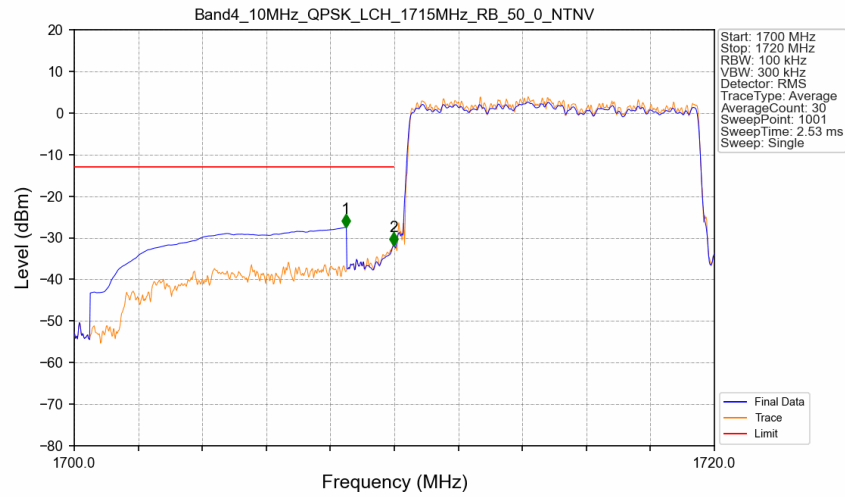
5.2.4 B4_10MHz



Band4 10MHz QPSK LCH 1715MHz RB 1 0 NTNV

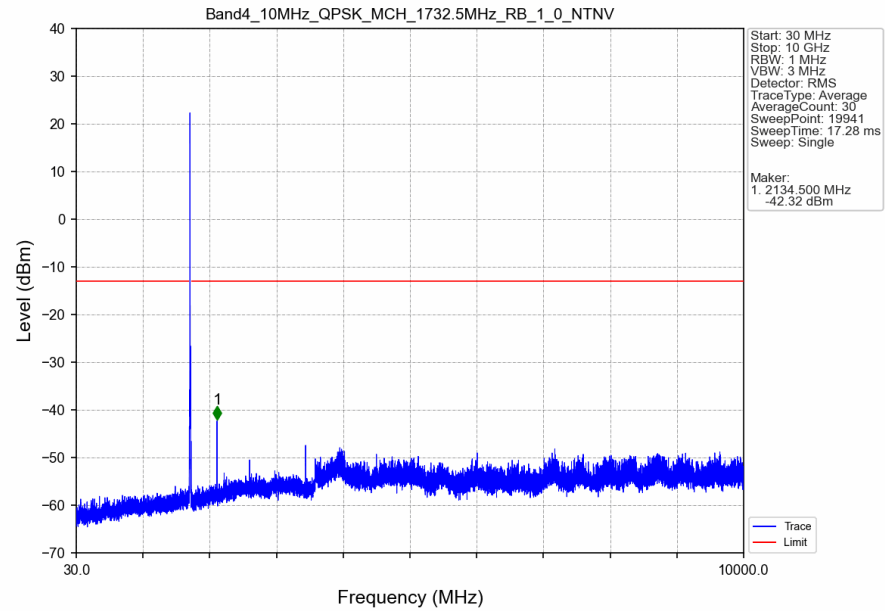


Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV

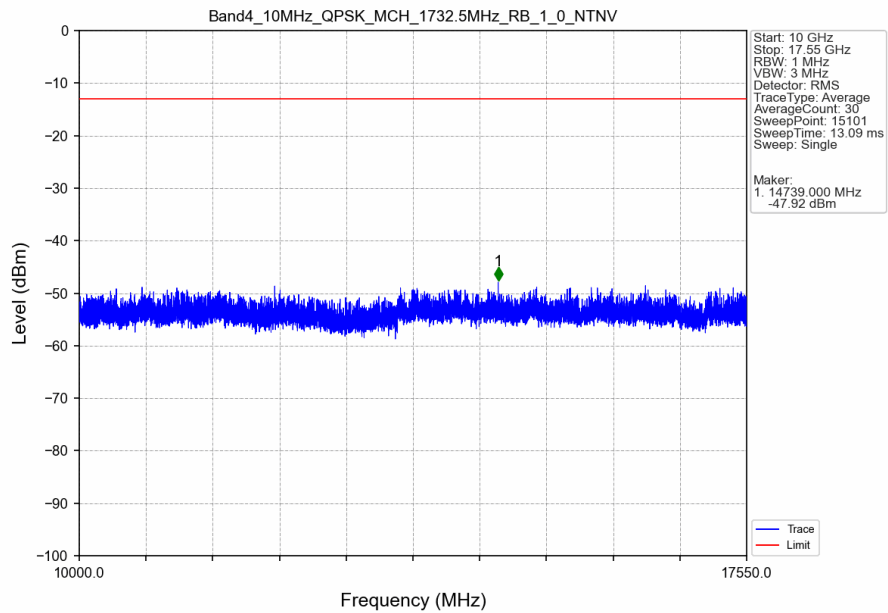


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-27.45	-13	Pass
1709	1710	0.101	CHP	2	1709.980	-31.84	-13	Pass
1710	1720	0.101	CHP	/	/	/	/	/

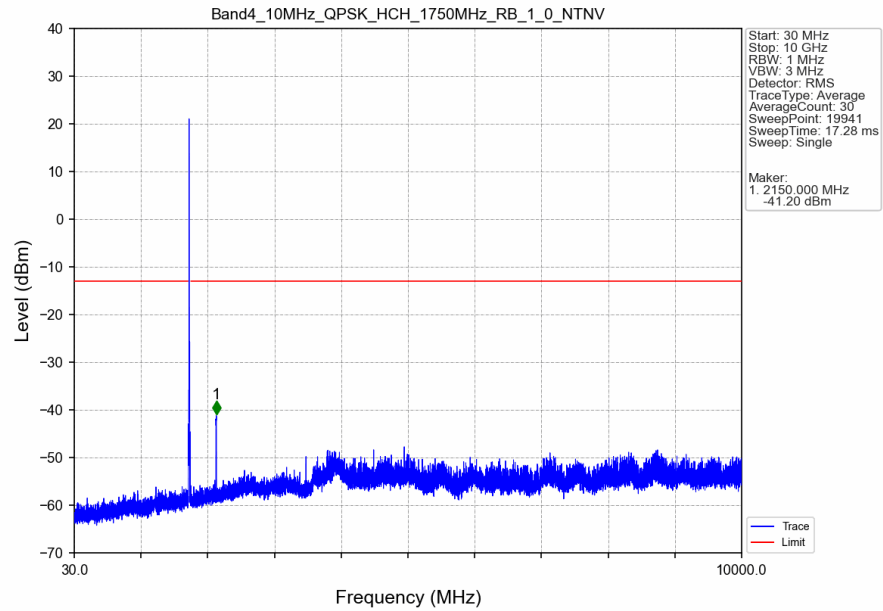
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



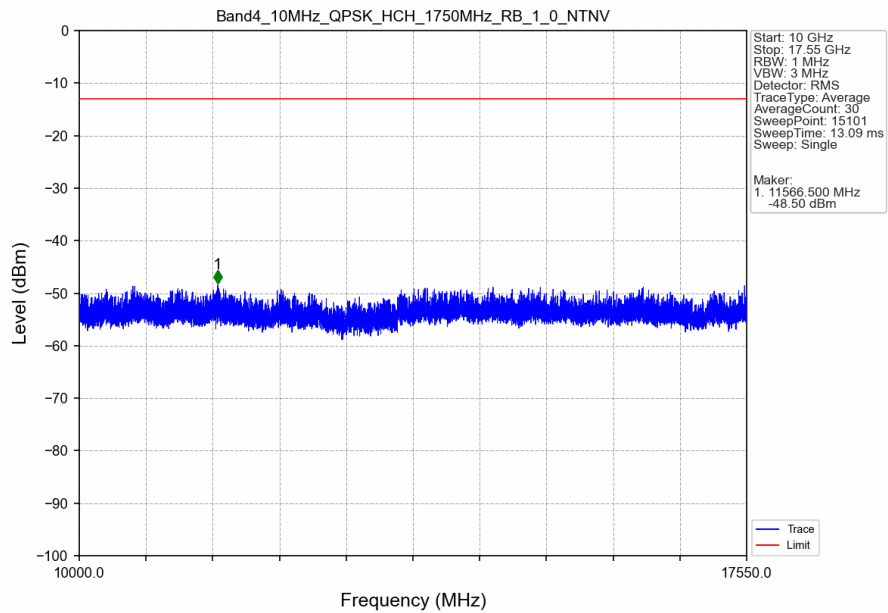
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



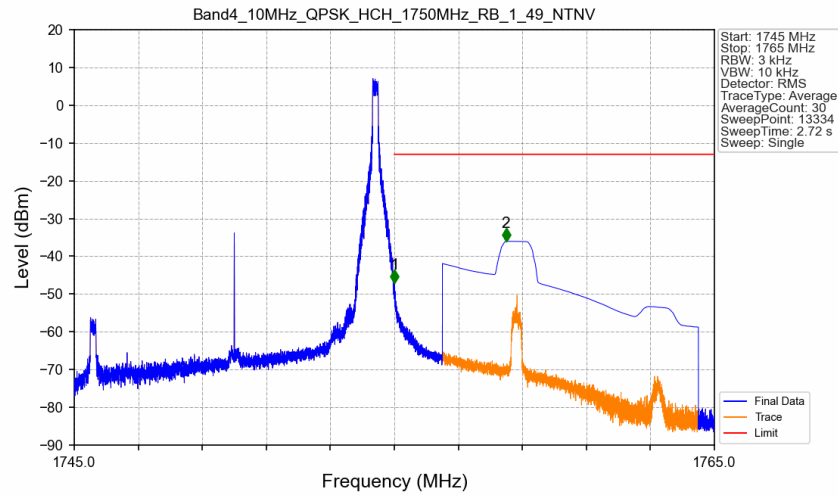
Band4 10MHz QPSK HCH 1750MHz RB 1 0 NTN



Band4 10MHz QPSK HCH 1750MHz RB 1 0 NTN

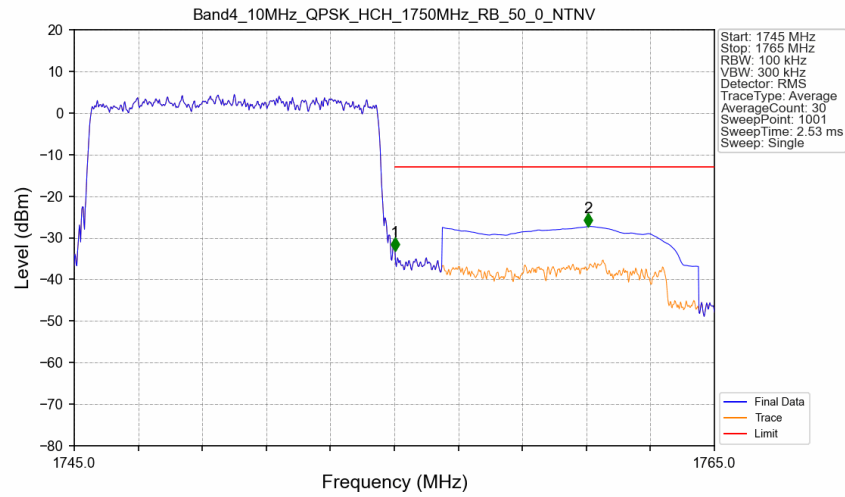


Band4 10MHz QPSK HCH 1750MHz RB 1 49 NTNV



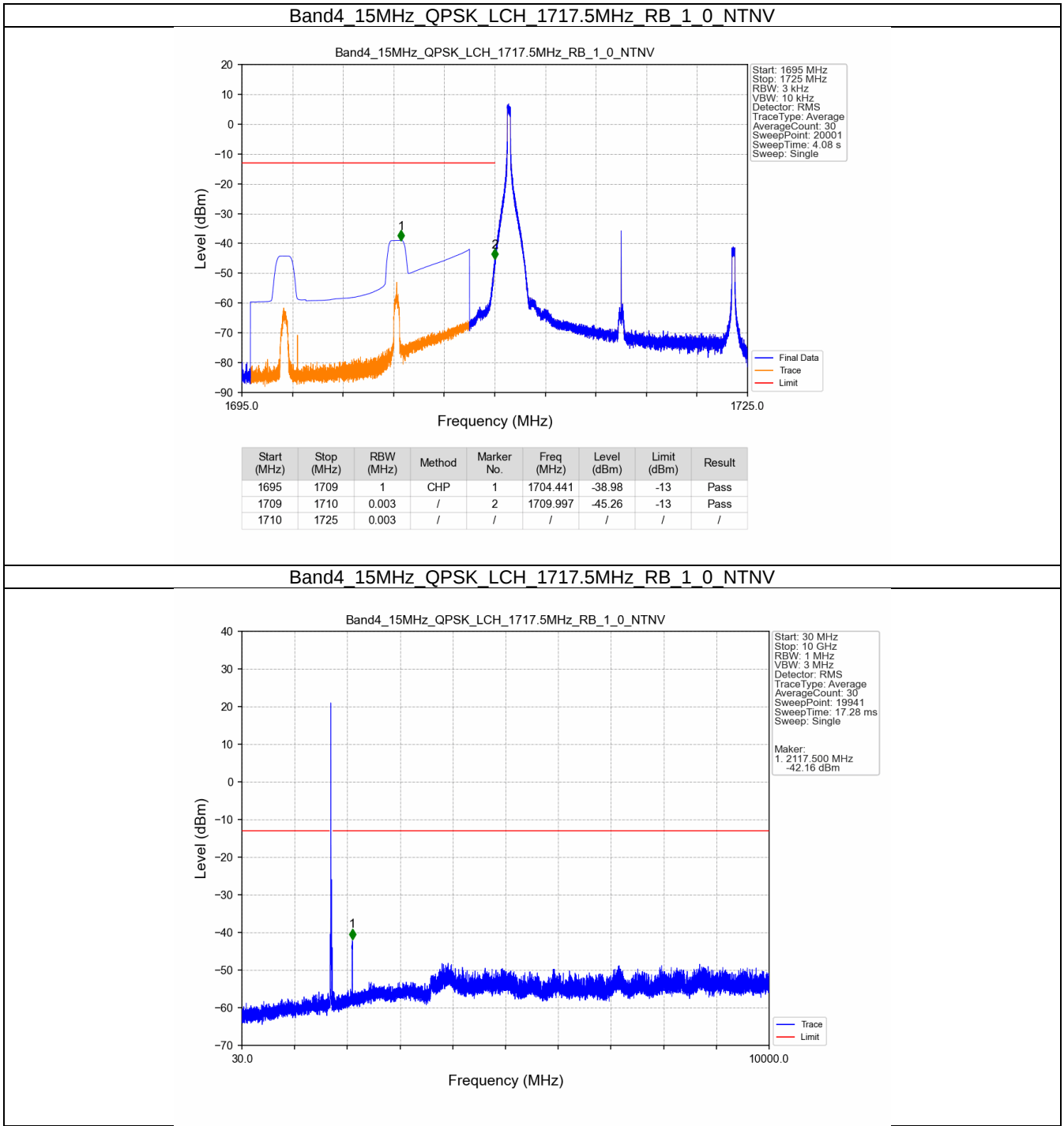
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-47.05	-13	Pass
1756	1765	1	CHP	2	1758.490	-36.03	-13	Pass

Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV

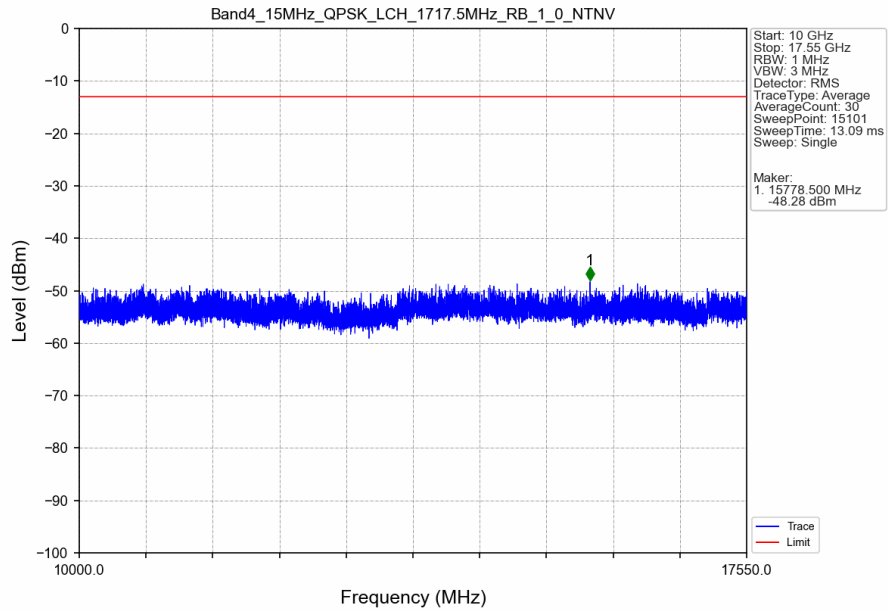


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.1	/	/	/	/	/	/
1755	1756	0.1	/	1	1755.020	-33.12	-13	Pass
1756	1765	1	CHP	2	1761.060	-27.27	-13	Pass

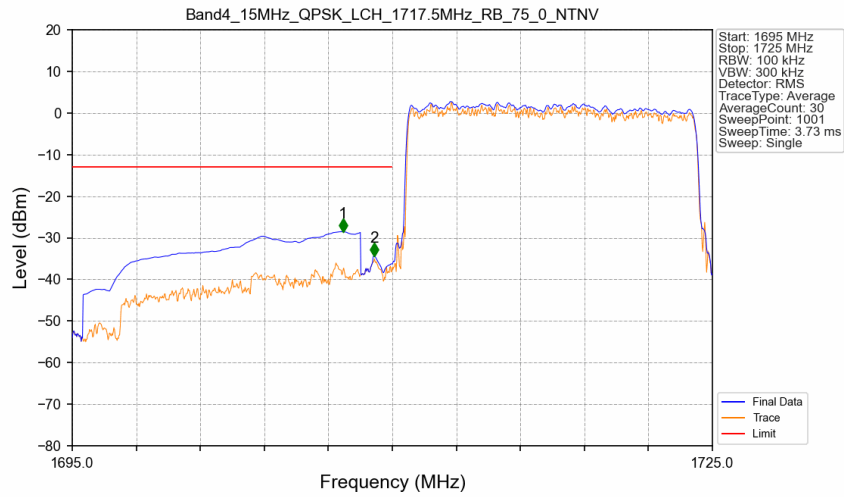
5.2.5 B4_15MHz



Band4 15MHz QPSK LCH 1717.5MHz RB 1 0 NTNV

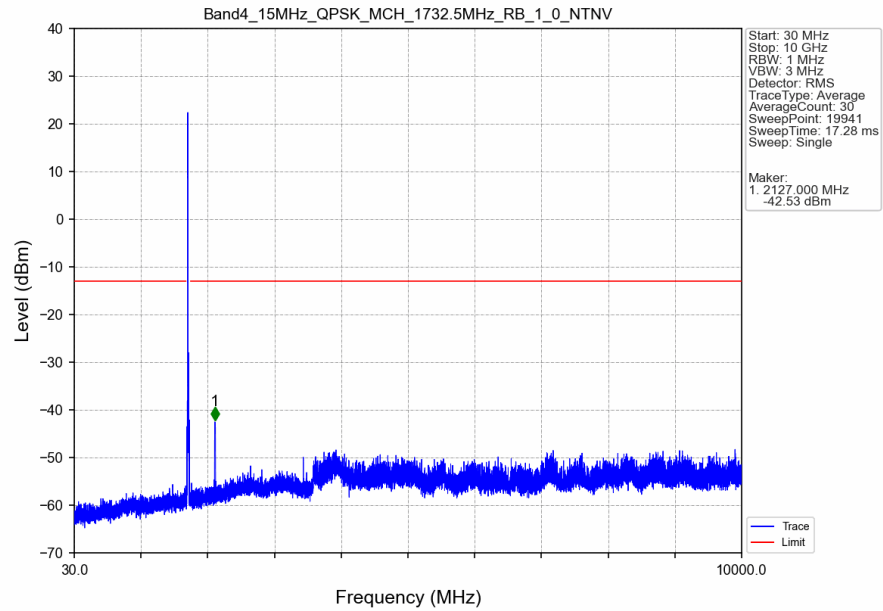


Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV

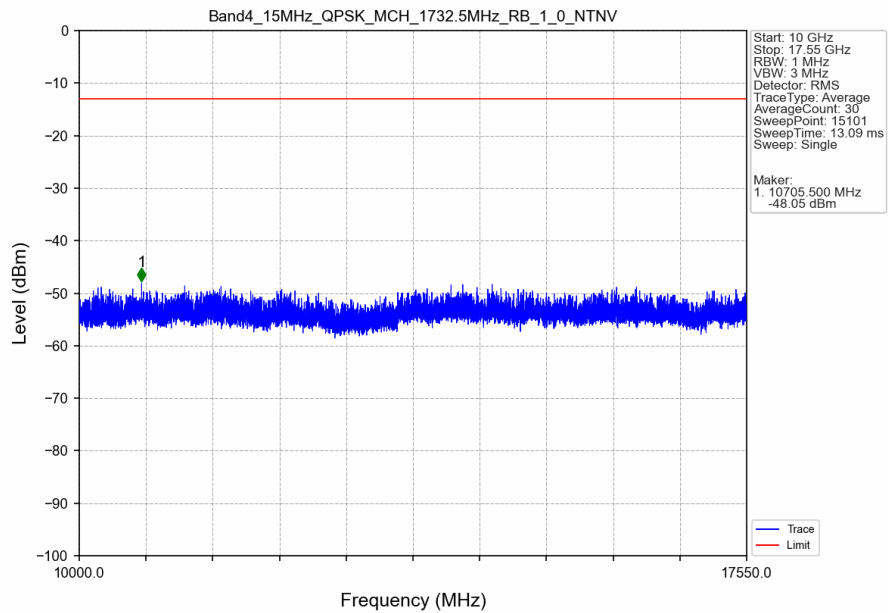


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.690	-28.54	-13	Pass
1709	1710	0.15	CHP	2	1709.160	-34.48	-13	Pass
1710	1725	0.15	CHP	/	/	/	/	/

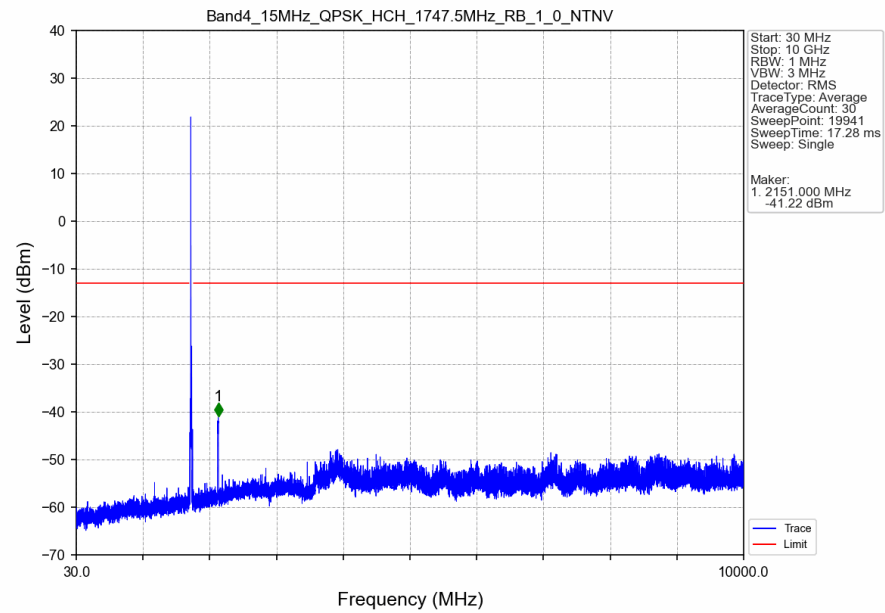
Band4 15MHz QPSK MCH 1732.5MHz RB 1 0 NTN



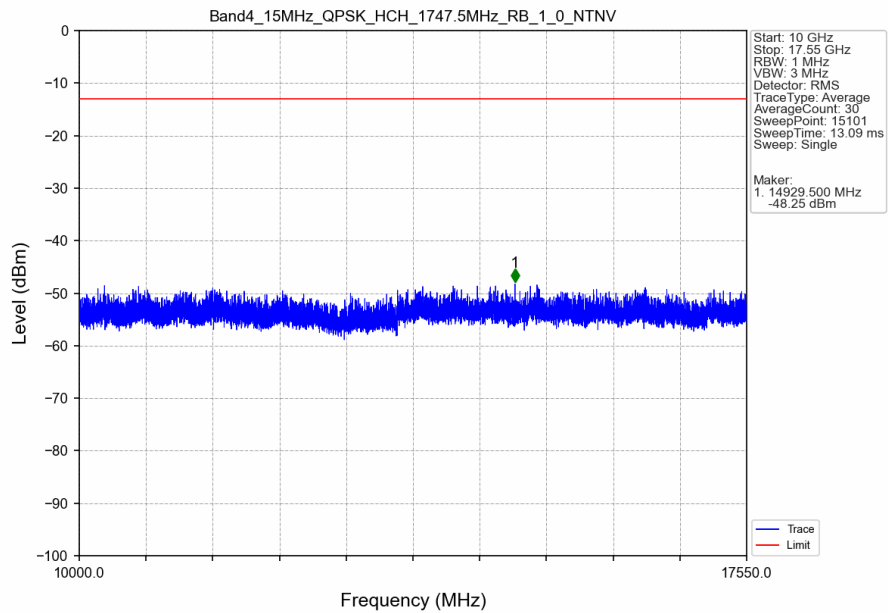
Band4 15MHz QPSK MCH 1732.5MHz RB 1 0 NTN



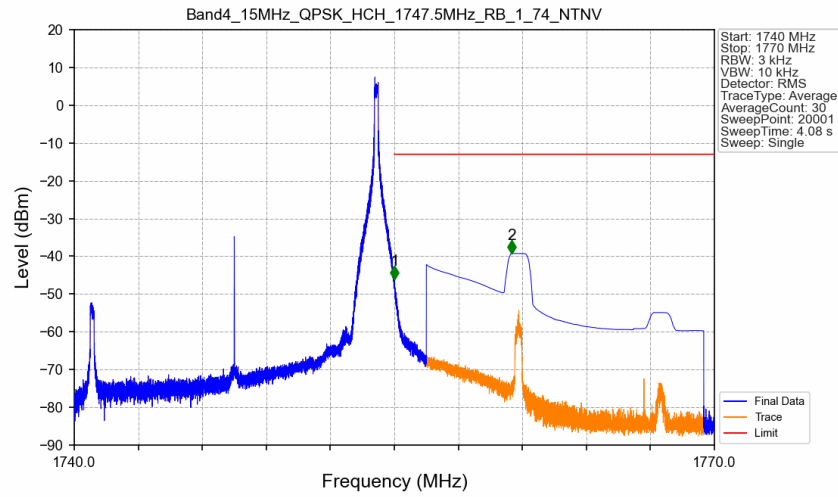
Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV



Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV

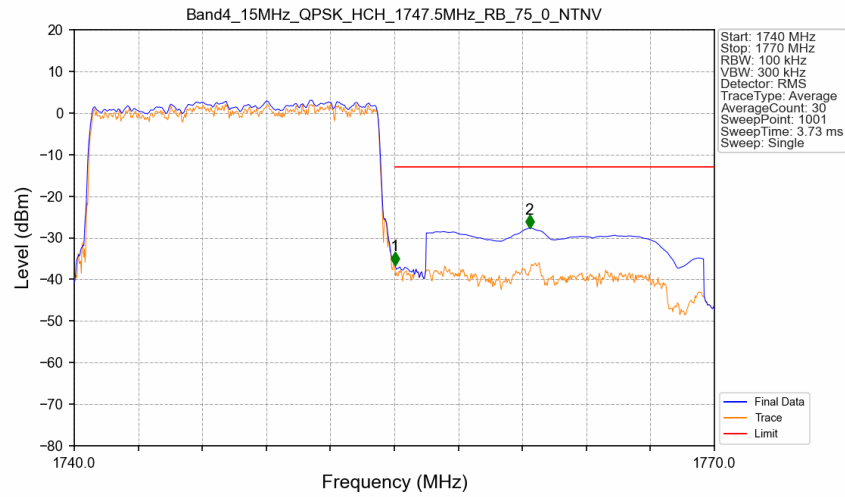


Band4 15MHz QPSK HCH 1747.5MHz RB 1 74 NTV



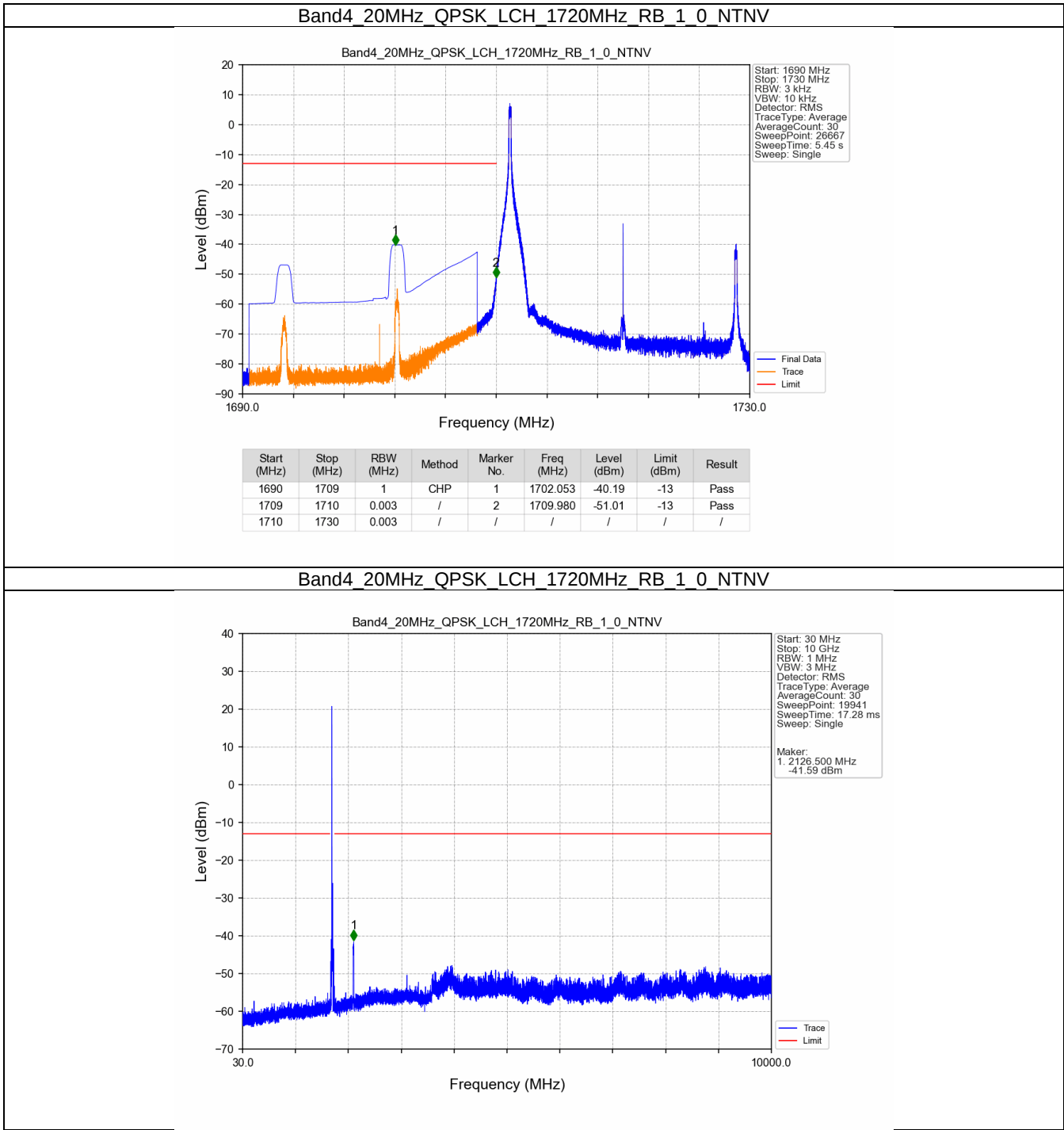
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.016	-46.04	-13	Pass
1756	1770	1	CHP	2	1760.490	-39.23	-13	Pass

Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTV

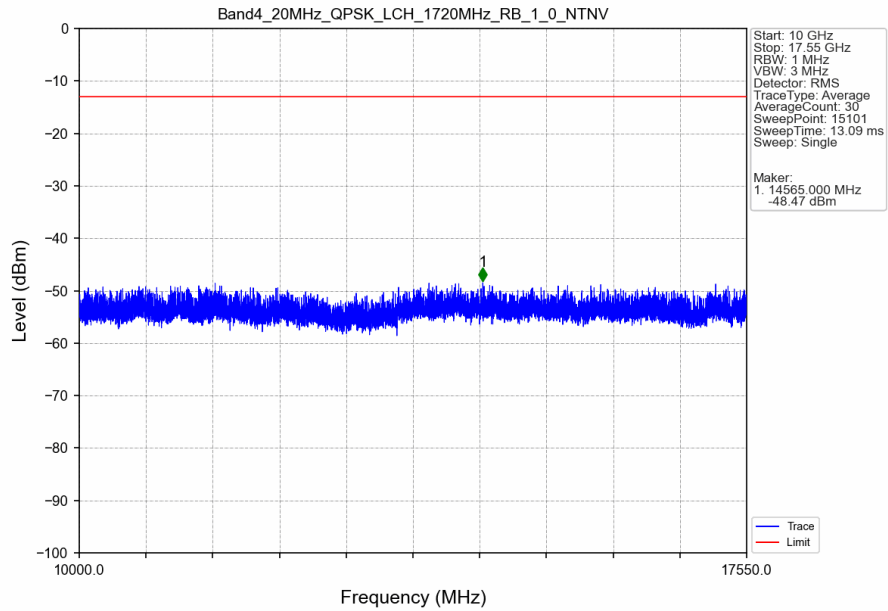


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.15	CHP	/	/	/	/	/
1755	1756	0.15	CHP	1	1755.030	-36.50	-13	Pass
1756	1770	1	CHP	2	1761.330	-27.68	-13	Pass

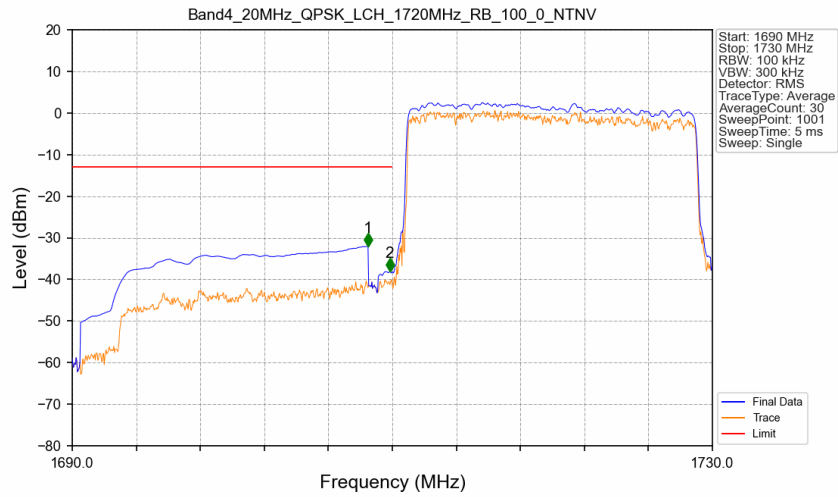
5.2.6 B4_20MHz



Band4 20MHz QPSK LCH 1720MHz RB 1 0 NTNV

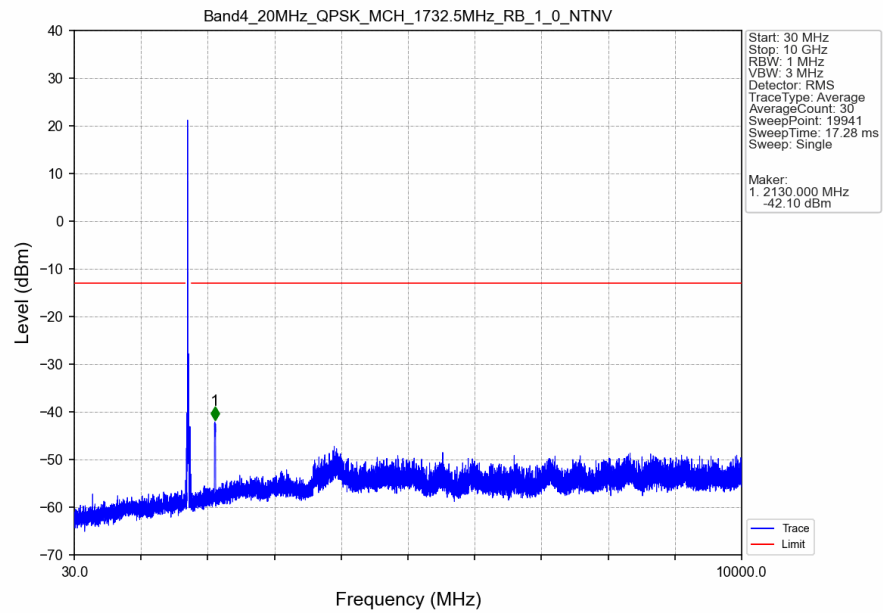


Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV

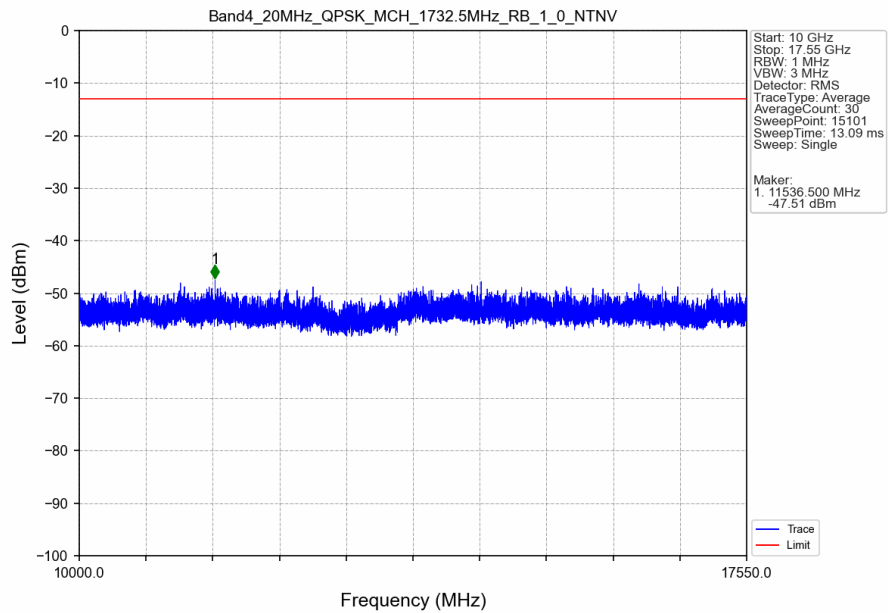


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-32.04	-13	Pass
1709	1710	0.199	CHP	2	1709.840	-38.10	-13	Pass
1710	1730	0.199	CHP	/	/	/	/	/

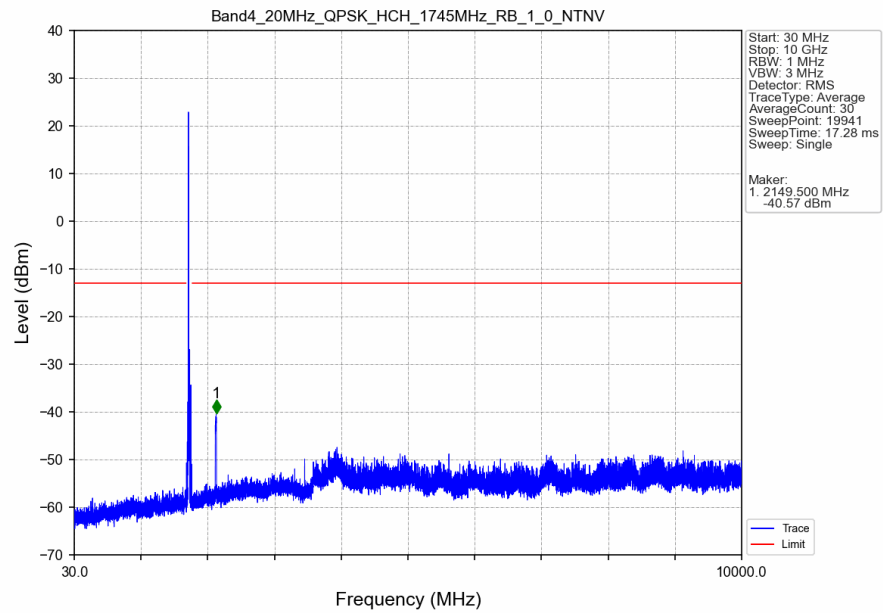
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



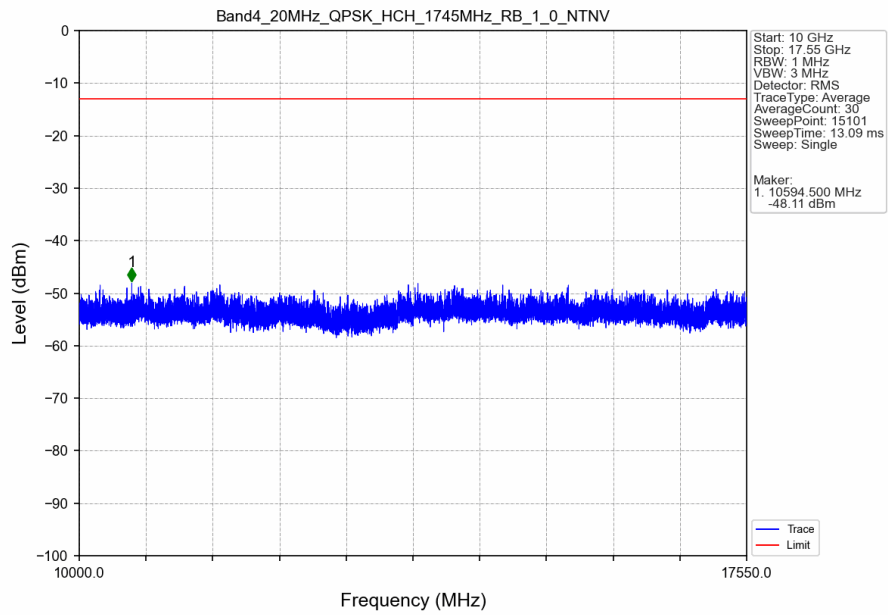
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



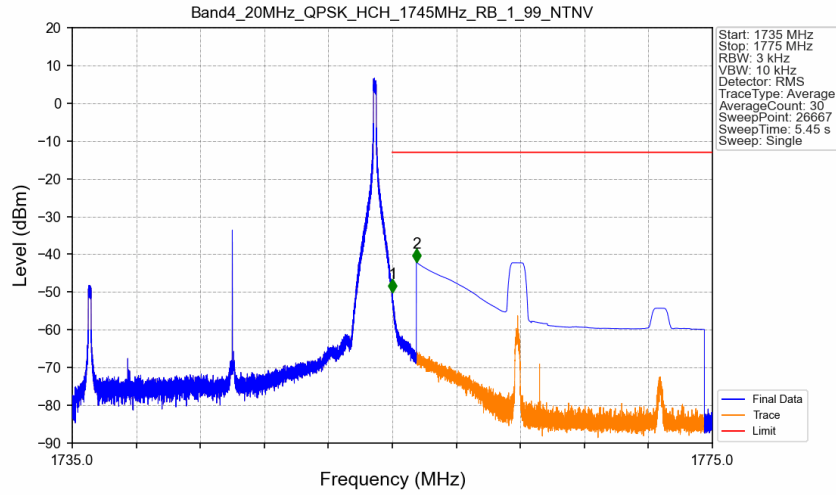
Band4 20MHz QPSK HCH 1745MHz RB 1 0 NTN



Band4 20MHz QPSK HCH 1745MHz RB 1 0 NTN

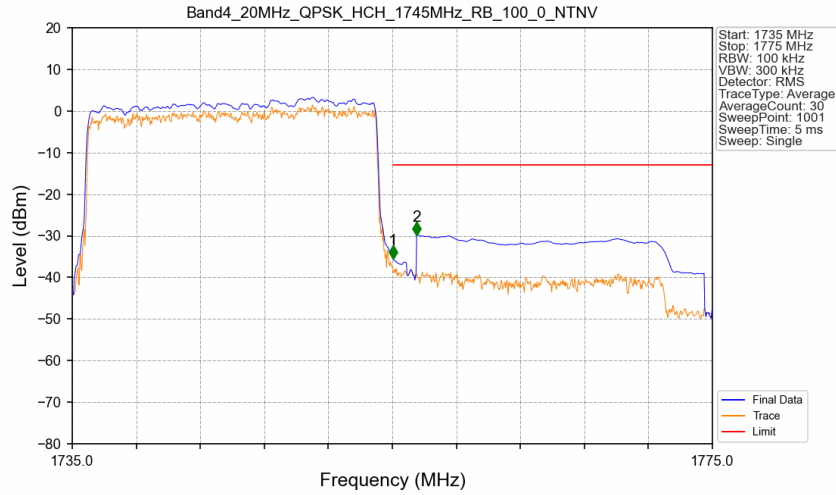


Band4 20MHz QPSK HCH 1745MHz RB 1 99 NTNV



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	1755.003	-50.01	-13	Pass
1756	1775	1	CHP	2	1756.500	-41.99	-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	0.199	CHP	/	/	/	/	/
1755	1756	0.199	CHP	1	1755.040	-35.56	-13	Pass
1756	1775	1	CHP	2	1756.520	-29.79	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 4-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0				
Frequency	Spurious Emission Level		Limit	Margin
(MHz)	Polaxis	(dBm)	(dBm)	(dB)
3422	H	-54.22	-13	41.22
5133	H	-51.18	-13	38.18
6844	H	-51.93	-13	38.93
3422	V	-55.48	-13	42.48
5133	V	-53.41	-13	40.41
6844	V	-53.13	-13	40.13

LTE Band 4-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0				
Frequency	Spurious Emission Level		Limit	Margin
(MHz)	Polaxis	(dBm)	(dBm)	(dB)
3447	H	-51.24	-13	38.24
5170.5	H	-51.86	-13	38.86
6894	H	-51.24	-13	38.24
3447	V	-49.02	-13	36.02
5170.5	V	-52.1	-13	39.1
6894	V	-51.99	-13	38.99

LTE Band 4-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0				
Frequency	Spurious Emission Level		Limit	Margin
(MHz)	Polaxis	(dBm)	(dBm)	(dB)
3472	H	-51.91	-13	38.91
5208	H	-51.45	-13	38.45
6944	H	-51.54	-13	38.54
3472	V	-49.29	-13	36.29
5208	V	-52.03	-13	39.03
6944	V	-51.27	-13	38.27