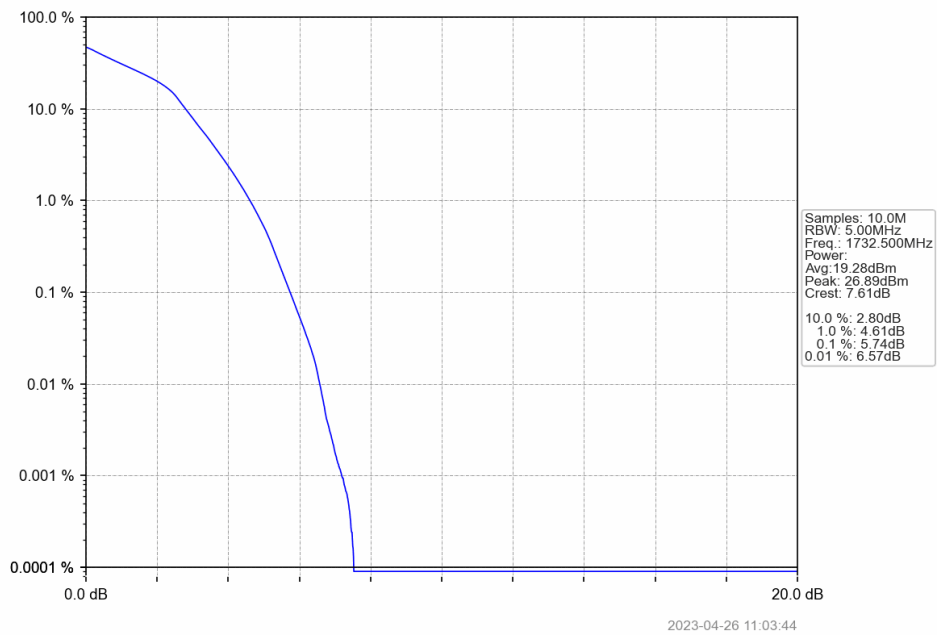
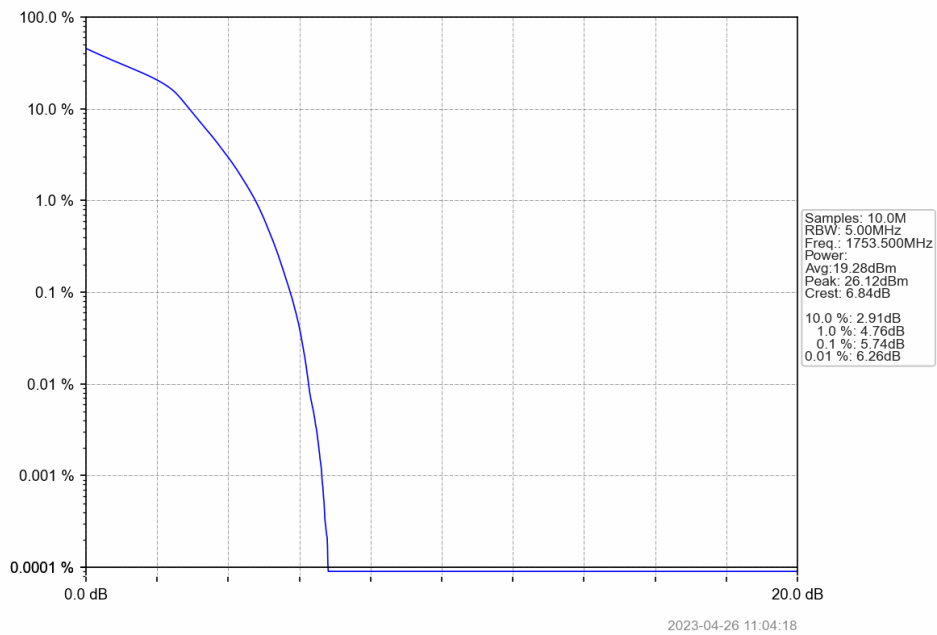


Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV

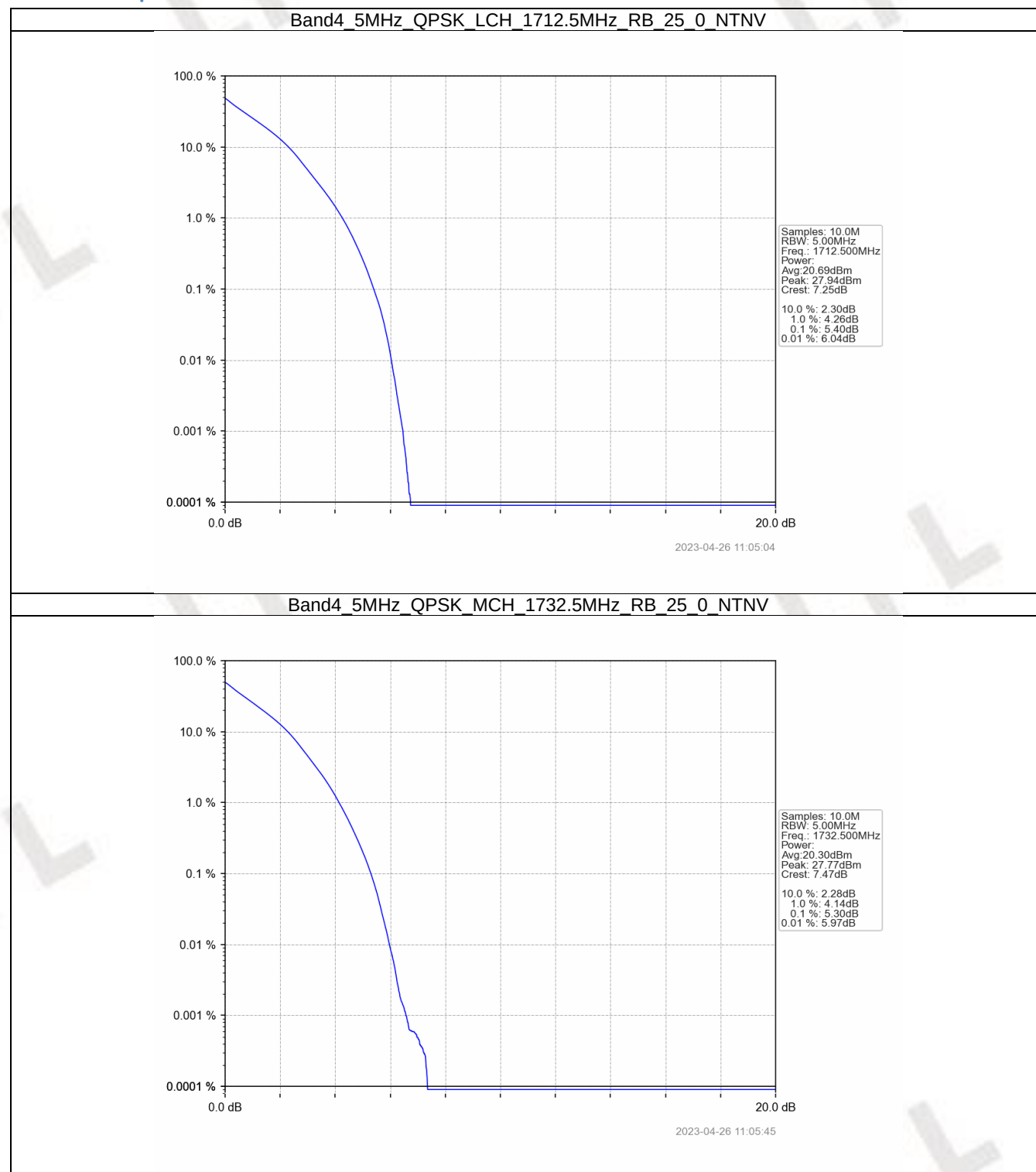


5.3 B4_5MHz

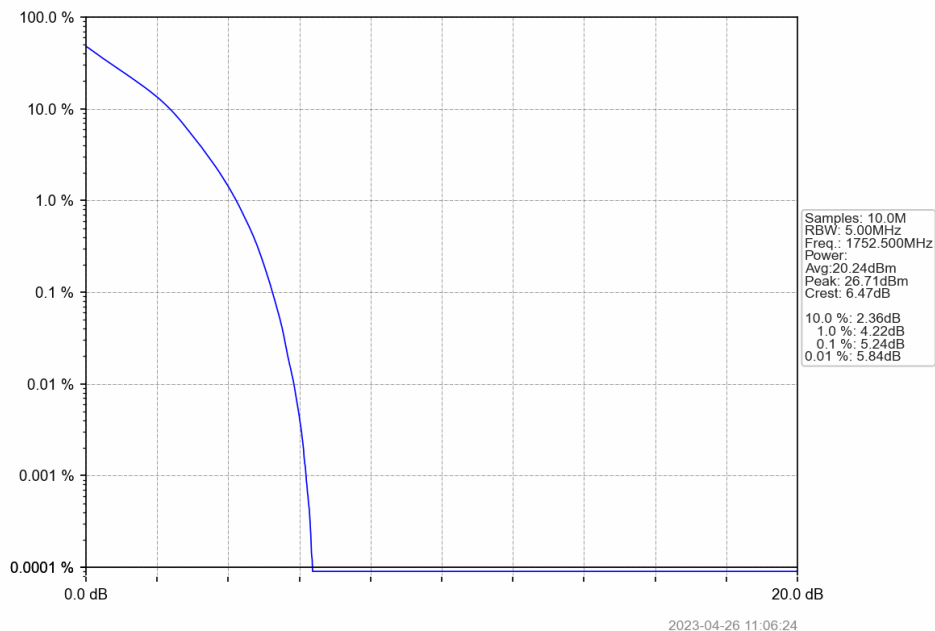
5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.40	<=13	Pass
	1732.5	25	0	5.30	<=13	Pass
	1752.5	25	0	5.24	<=13	Pass
16QAM	1712.5	25	0	6.10	<=13	Pass
	1732.5	25	0	5.94	<=13	Pass
	1752.5	25	0	5.92	<=13	Pass

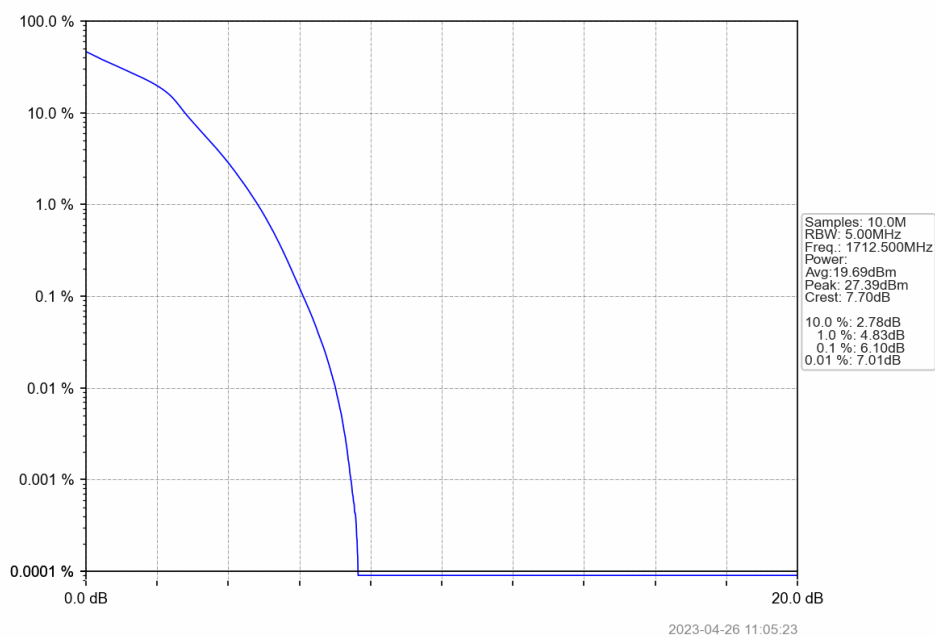
5.3.2 Test Graph



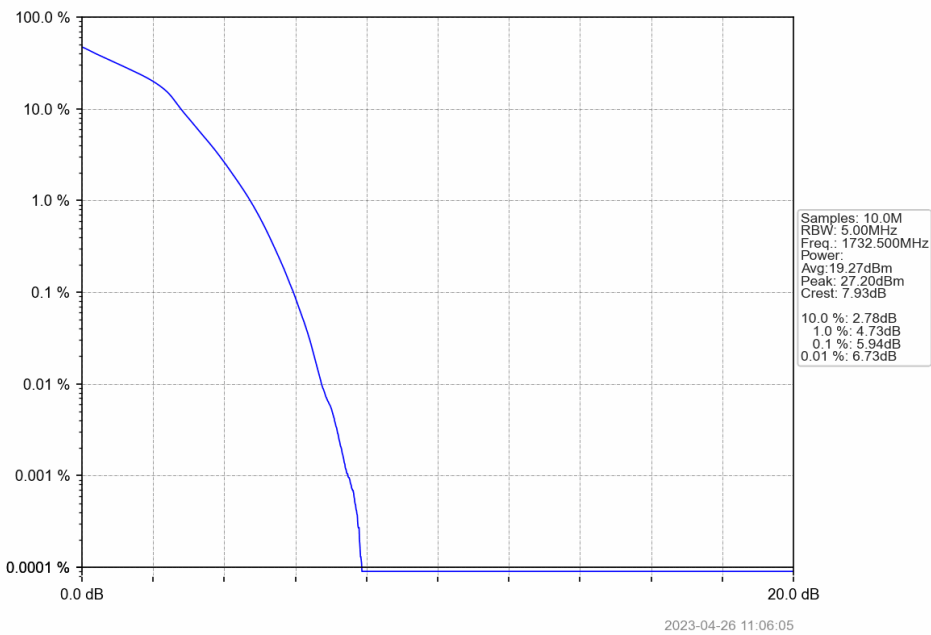
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTNV



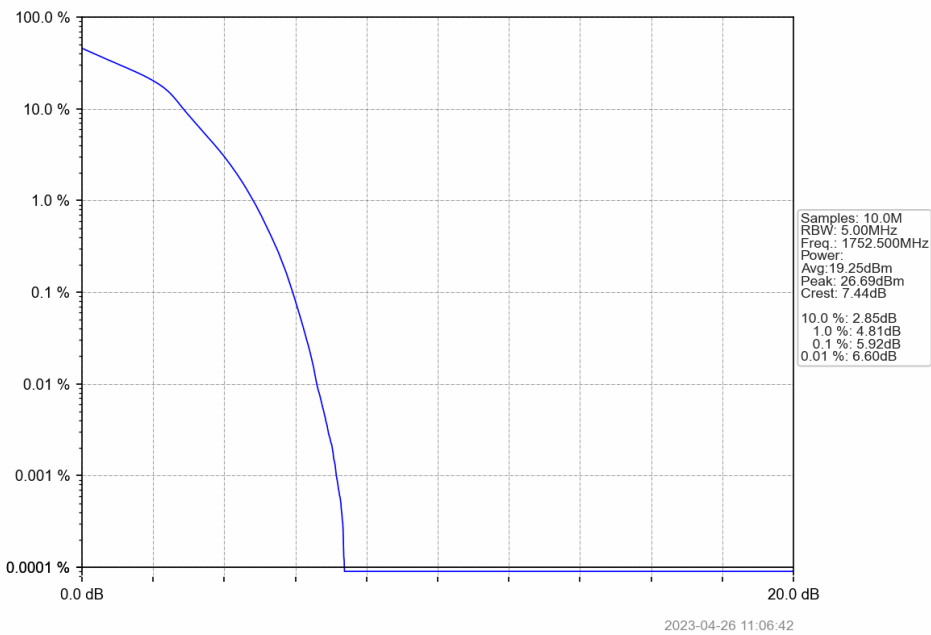
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV



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



Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV

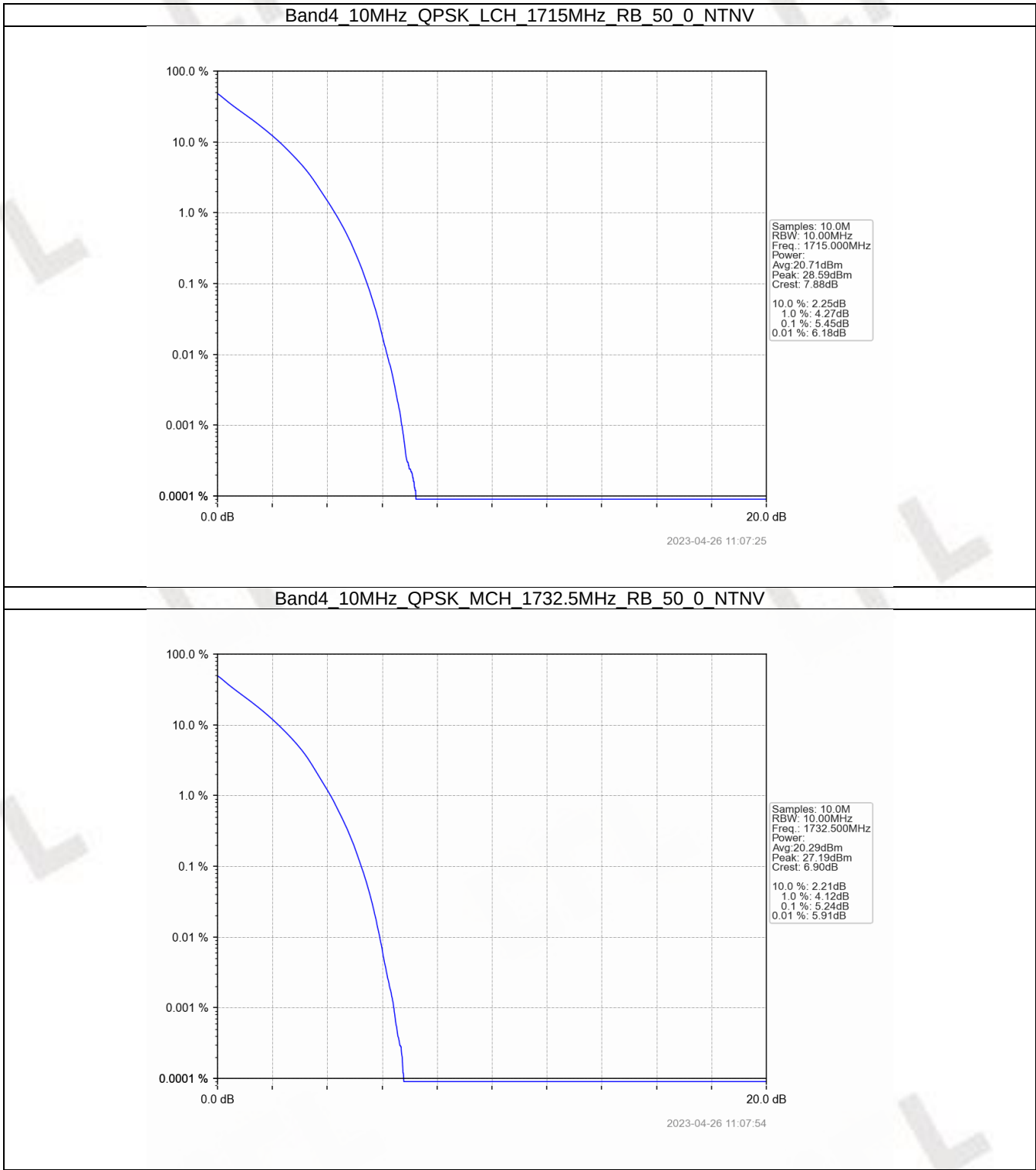


5.4 B4_10MHz

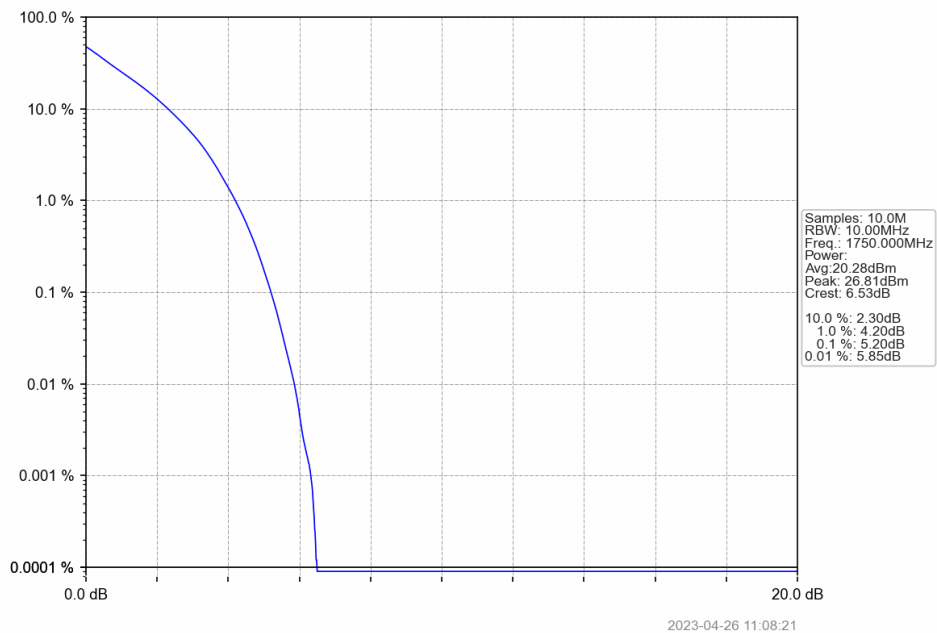
5.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.45	<=13	Pass
	1732.5	50	0	5.24	<=13	Pass
	1750	50	0	5.20	<=13	Pass
16QAM	1715	50	0	6.16	<=13	Pass
	1732.5	50	0	5.97	<=13	Pass
	1750	50	0	5.93	<=13	Pass

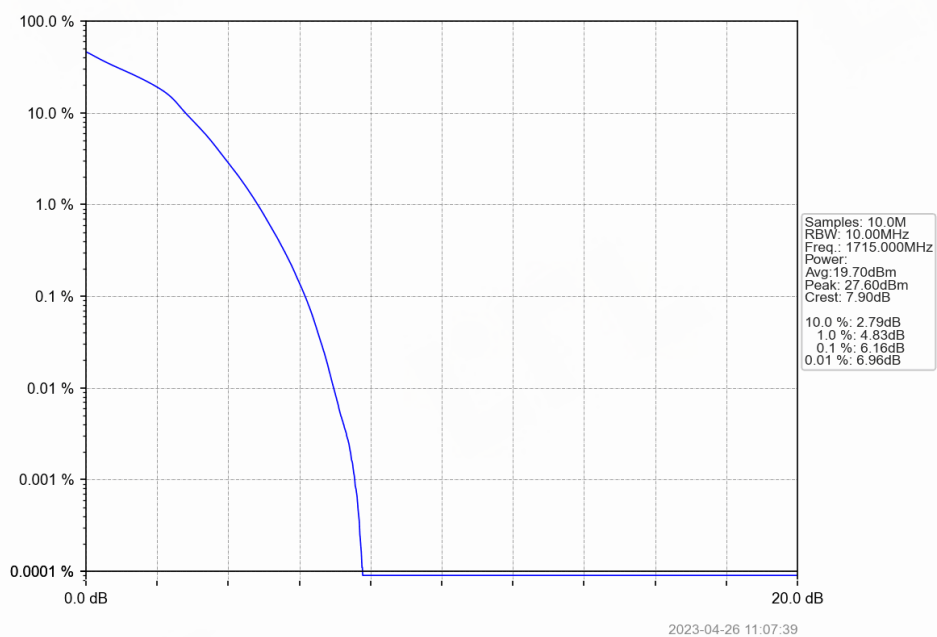
5.4.2 Test Graph



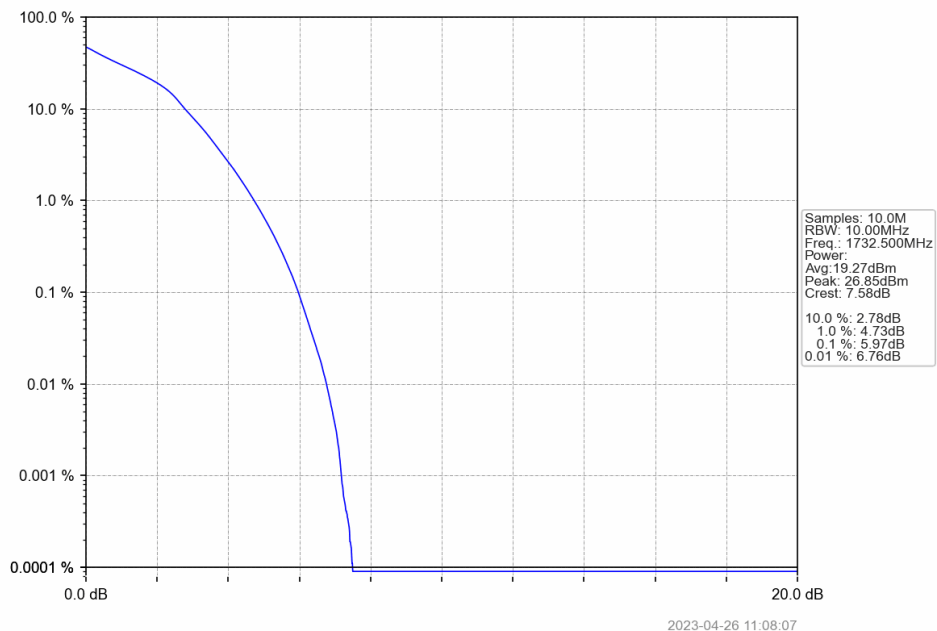
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



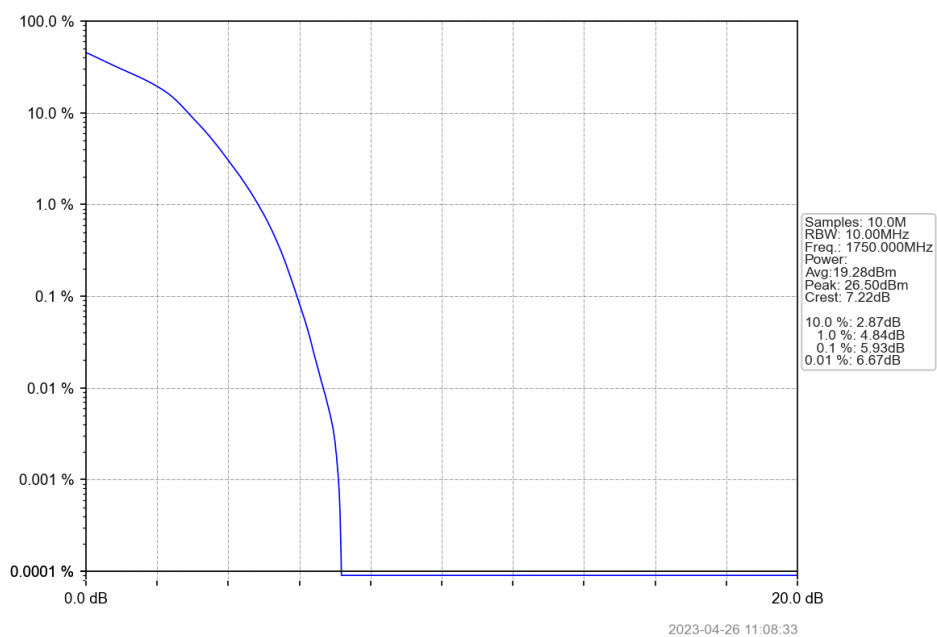
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV



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



Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTNV

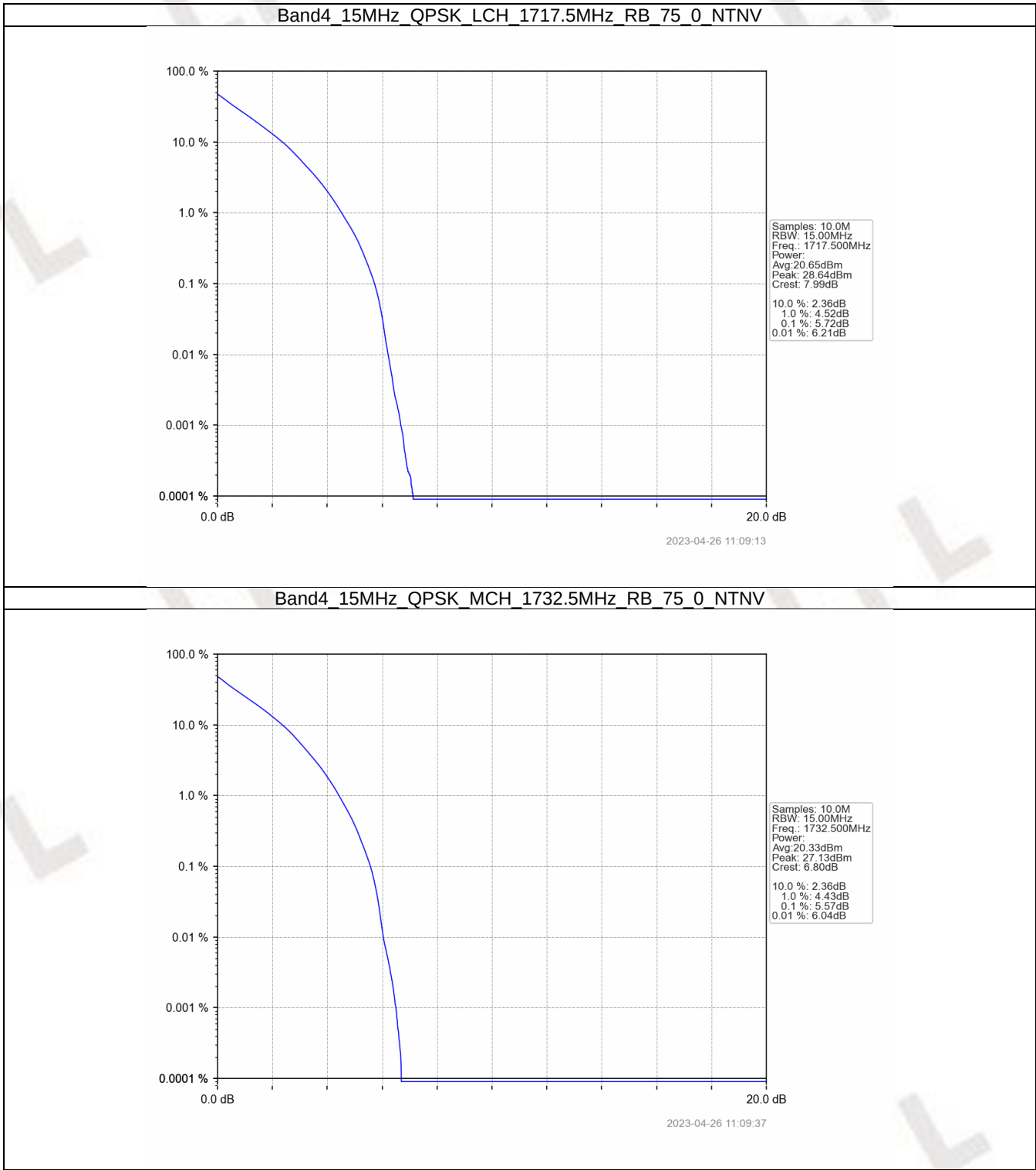


5.5 B4_15MHz

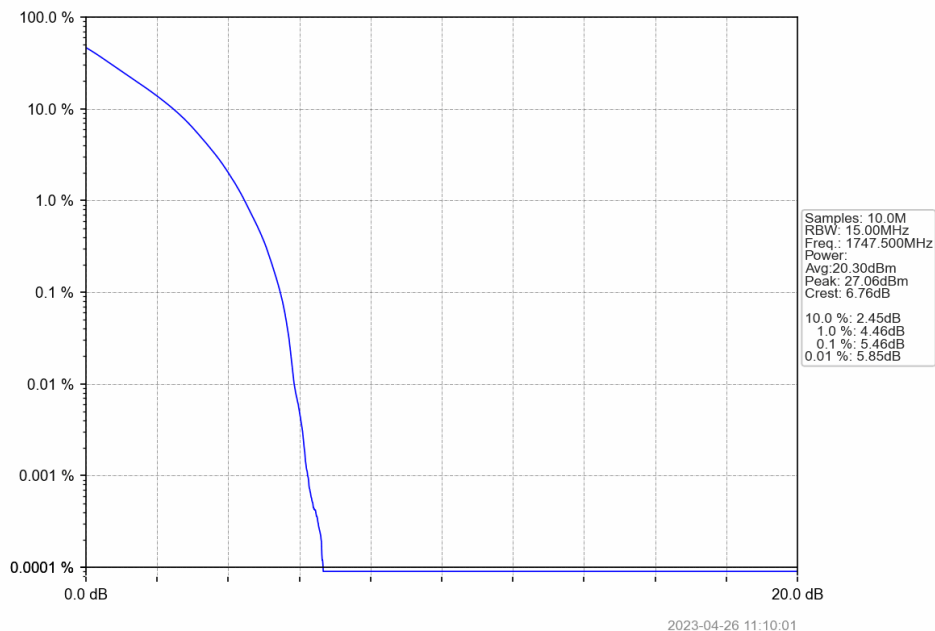
5.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.72	<=13	Pass
	1732.5	75	0	5.57	<=13	Pass
	1747.5	75	0	5.46	<=13	Pass
16QAM	1717.5	75	0	6.16	<=13	Pass
	1732.5	75	0	6.04	<=13	Pass
	1747.5	75	0	6.04	<=13	Pass

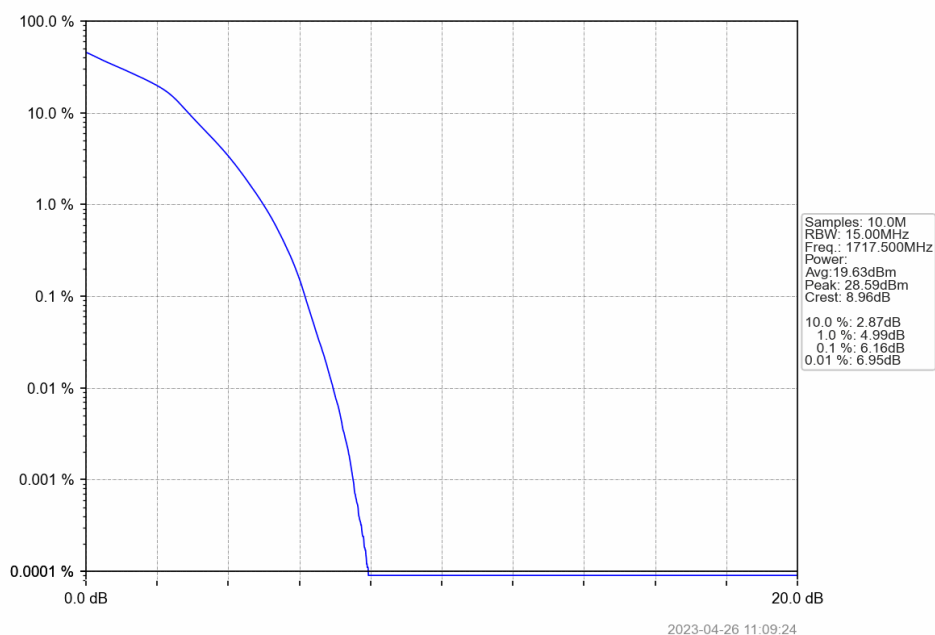
5.5.2 Test Graph



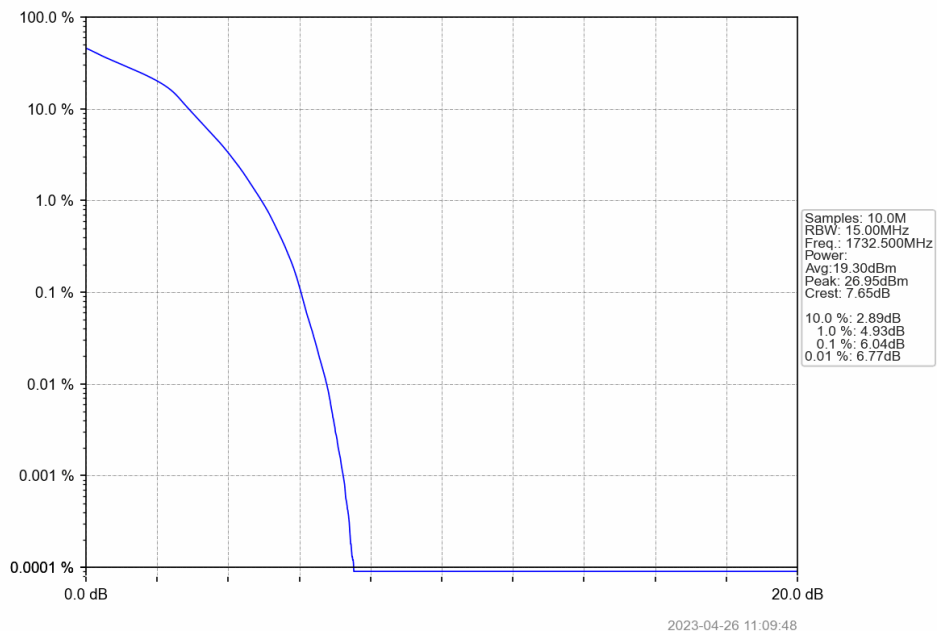
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



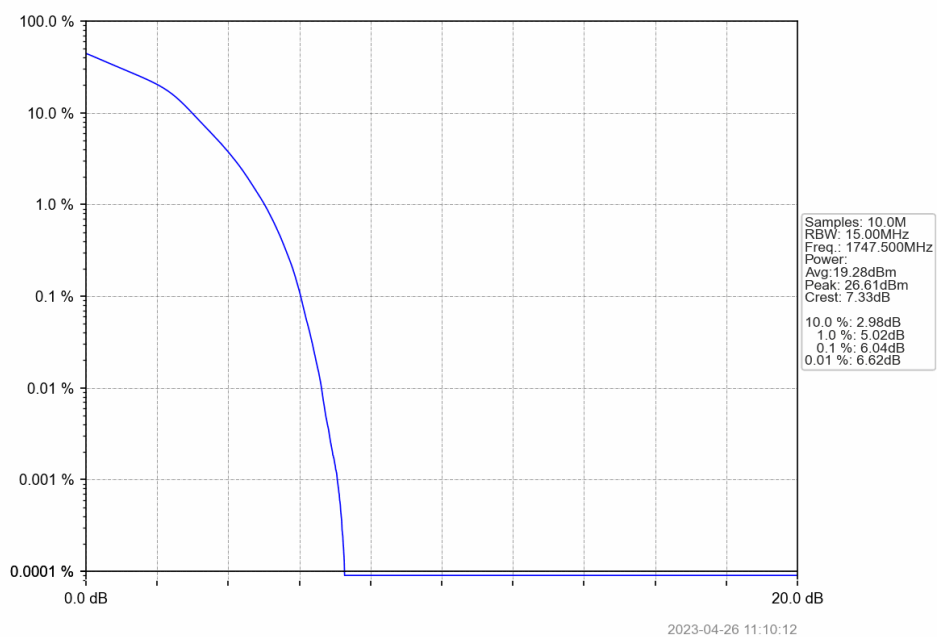
Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV



Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV

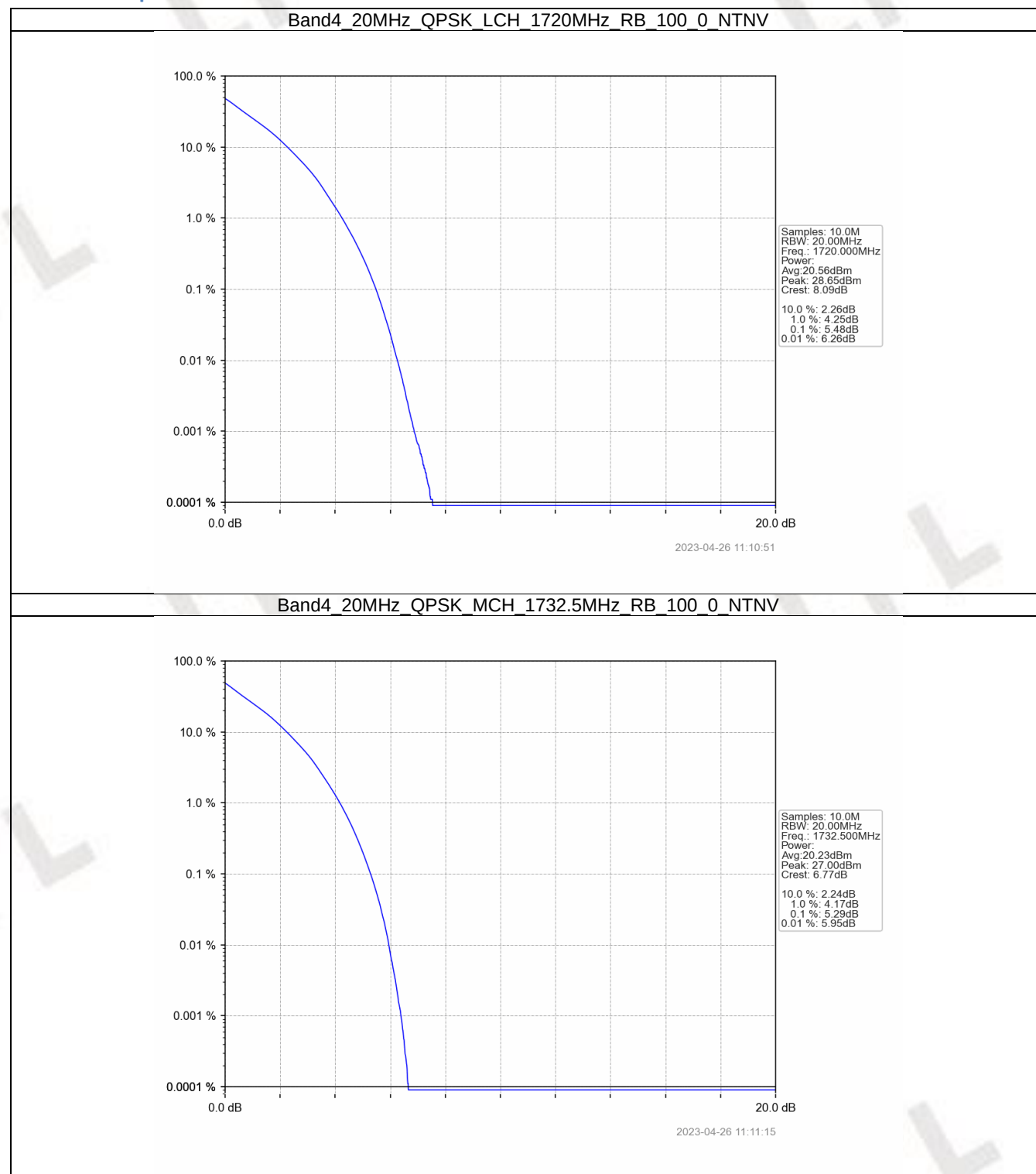


5.6 B4_20MHz

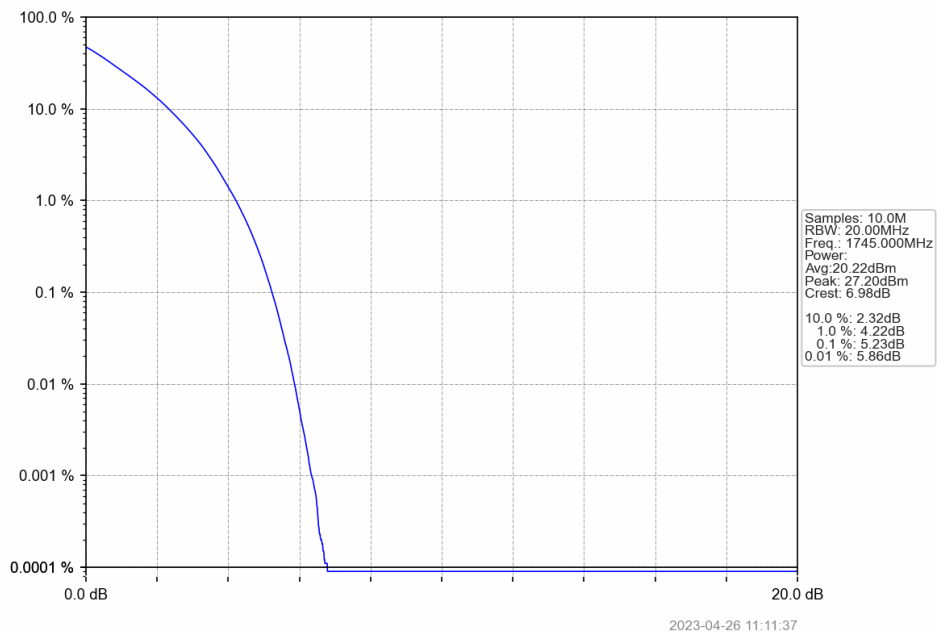
5.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.48	<=13	Pass
	1732.5	100	0	5.29	<=13	Pass
	1745	100	0	5.23	<=13	Pass
16QAM	1720	100	0	6.06	<=13	Pass
	1732.5	100	0	6.00	<=13	Pass
	1745	100	0	6.00	<=13	Pass

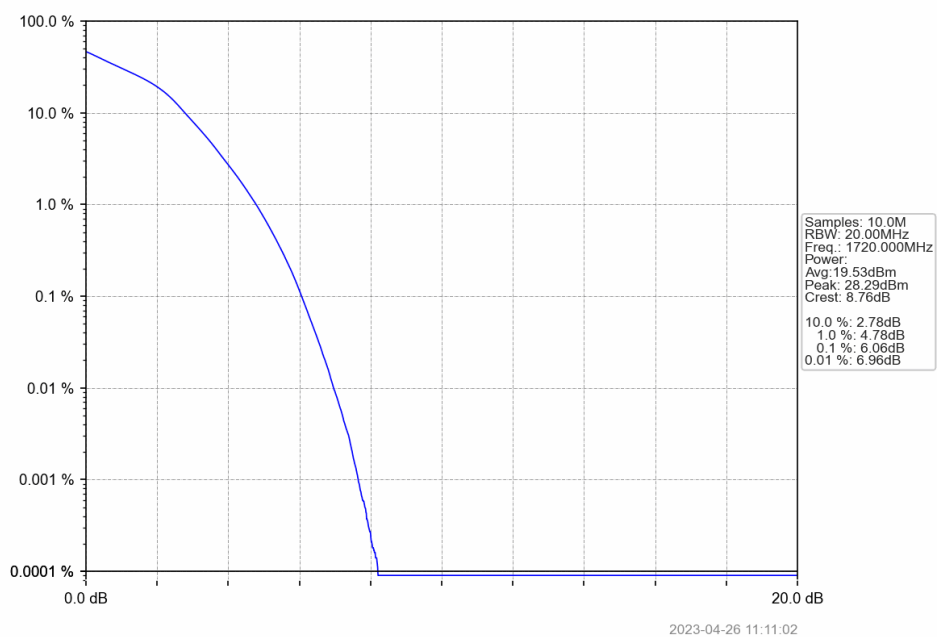
5.6.2 Test Graph



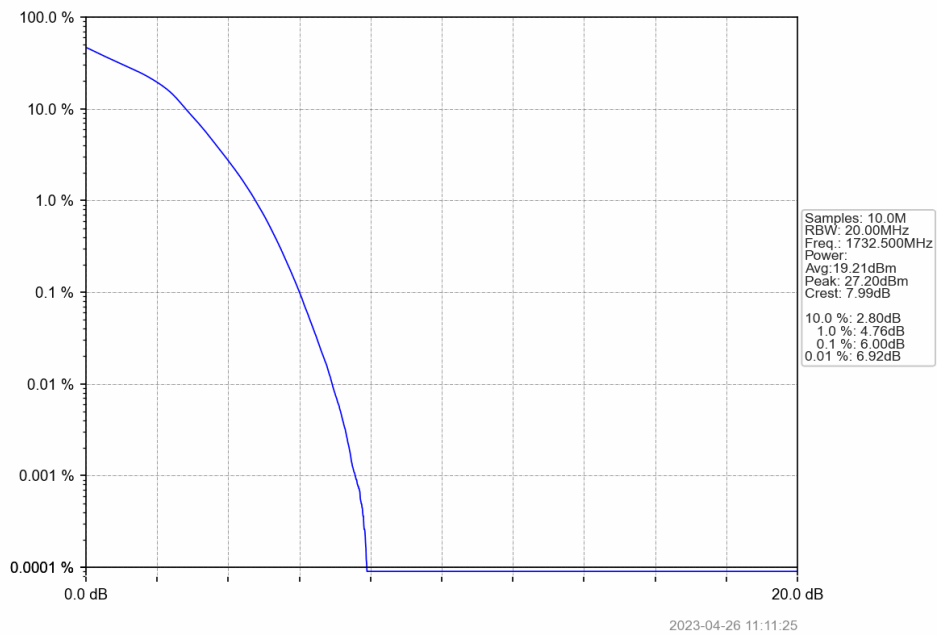
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



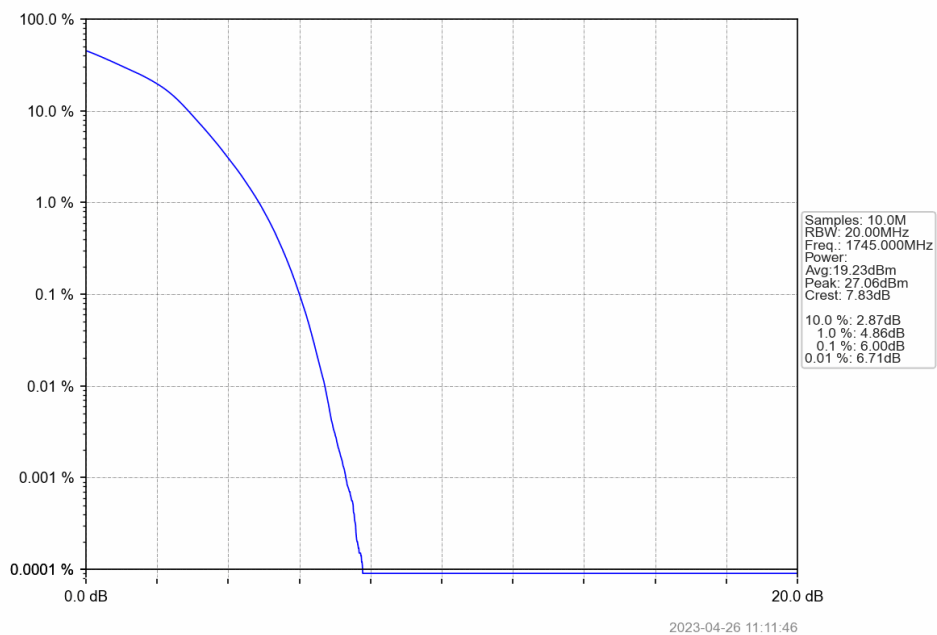
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



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



Band4 20MHz 16QAM HCH 1745MHz RB 100 0 NTNV



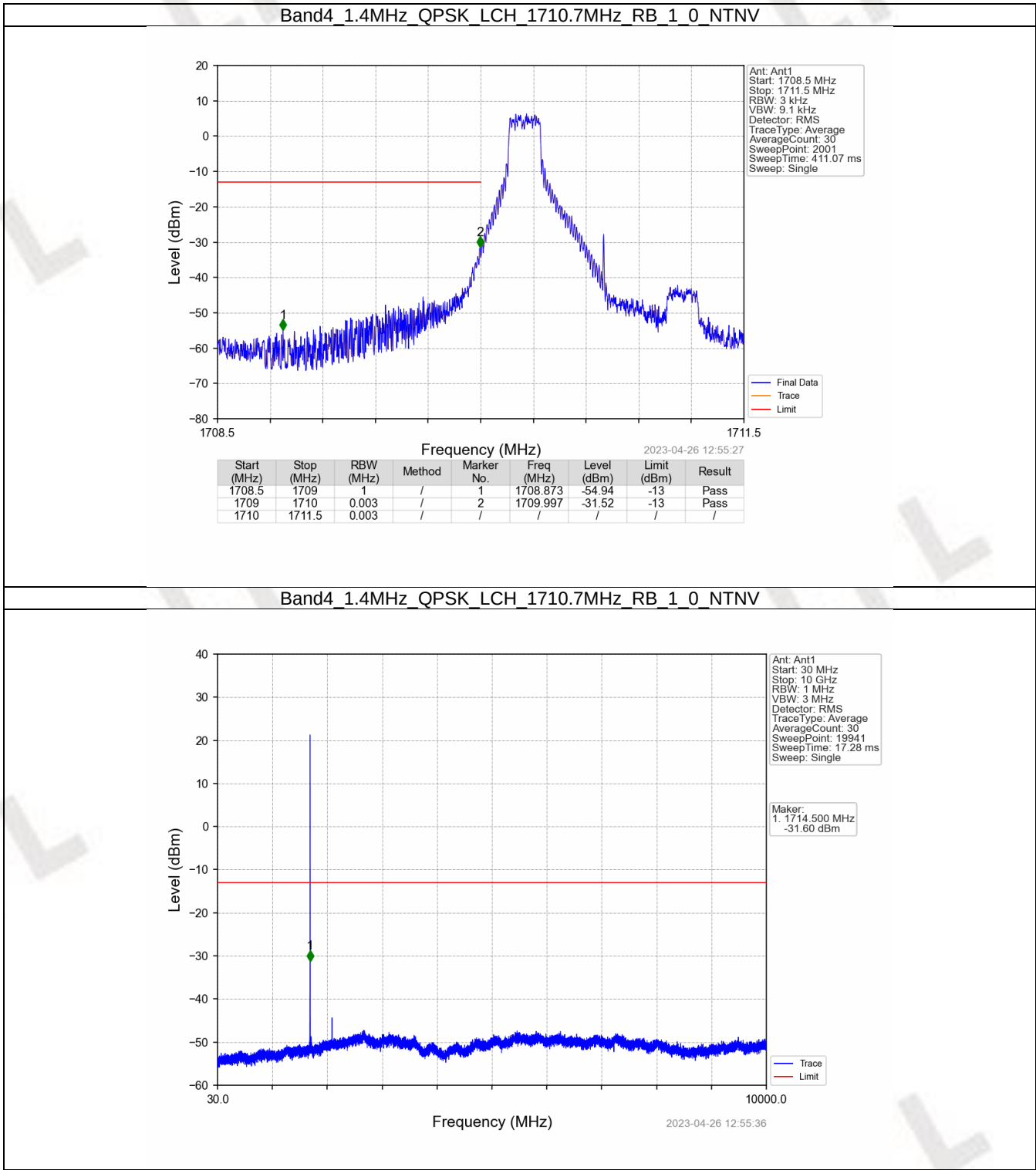
6. Spurious Emission

6.1 B4_1.4MHz

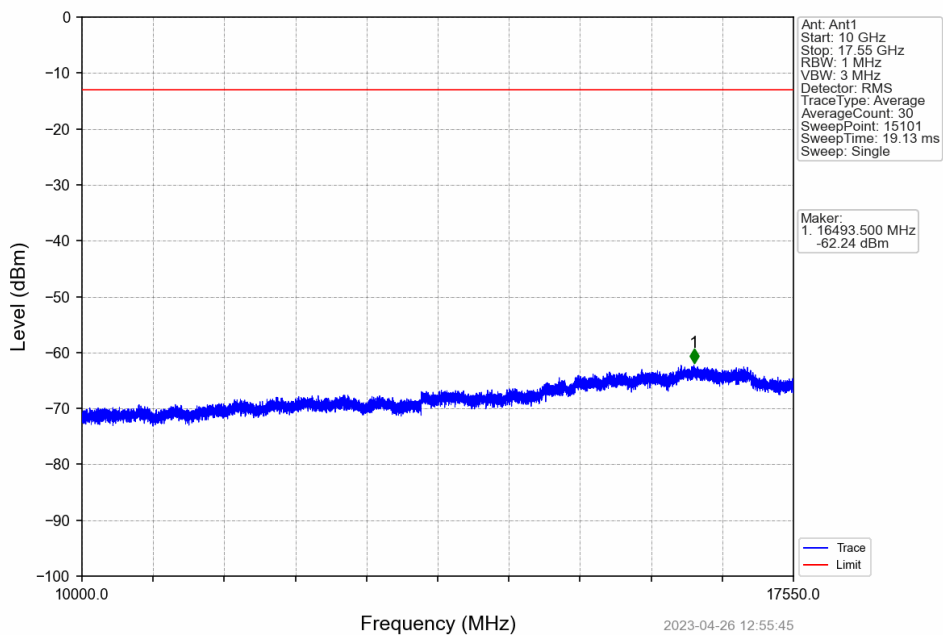
6.1.1 Test Result

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
16QAM	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

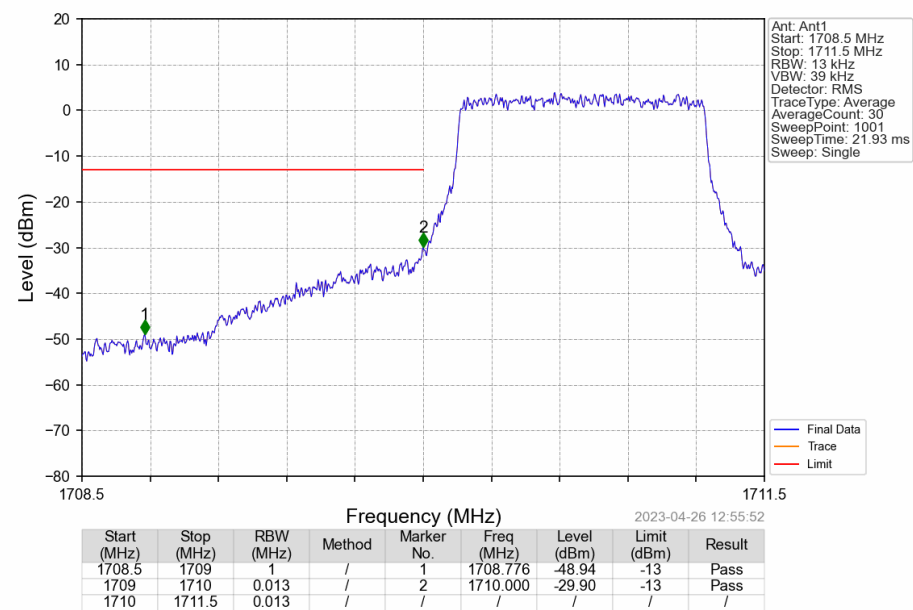
6.1.2 Test Graph

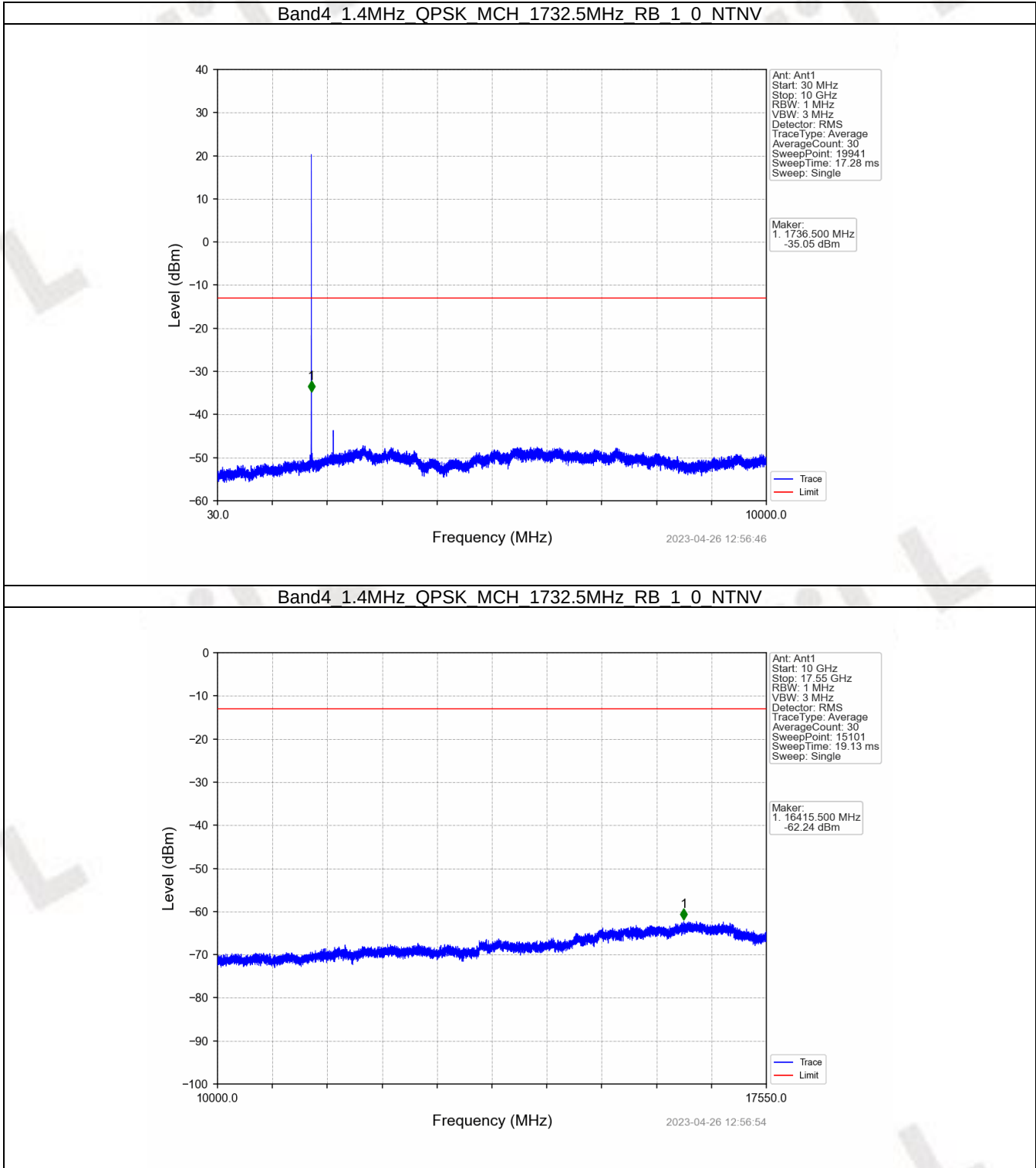


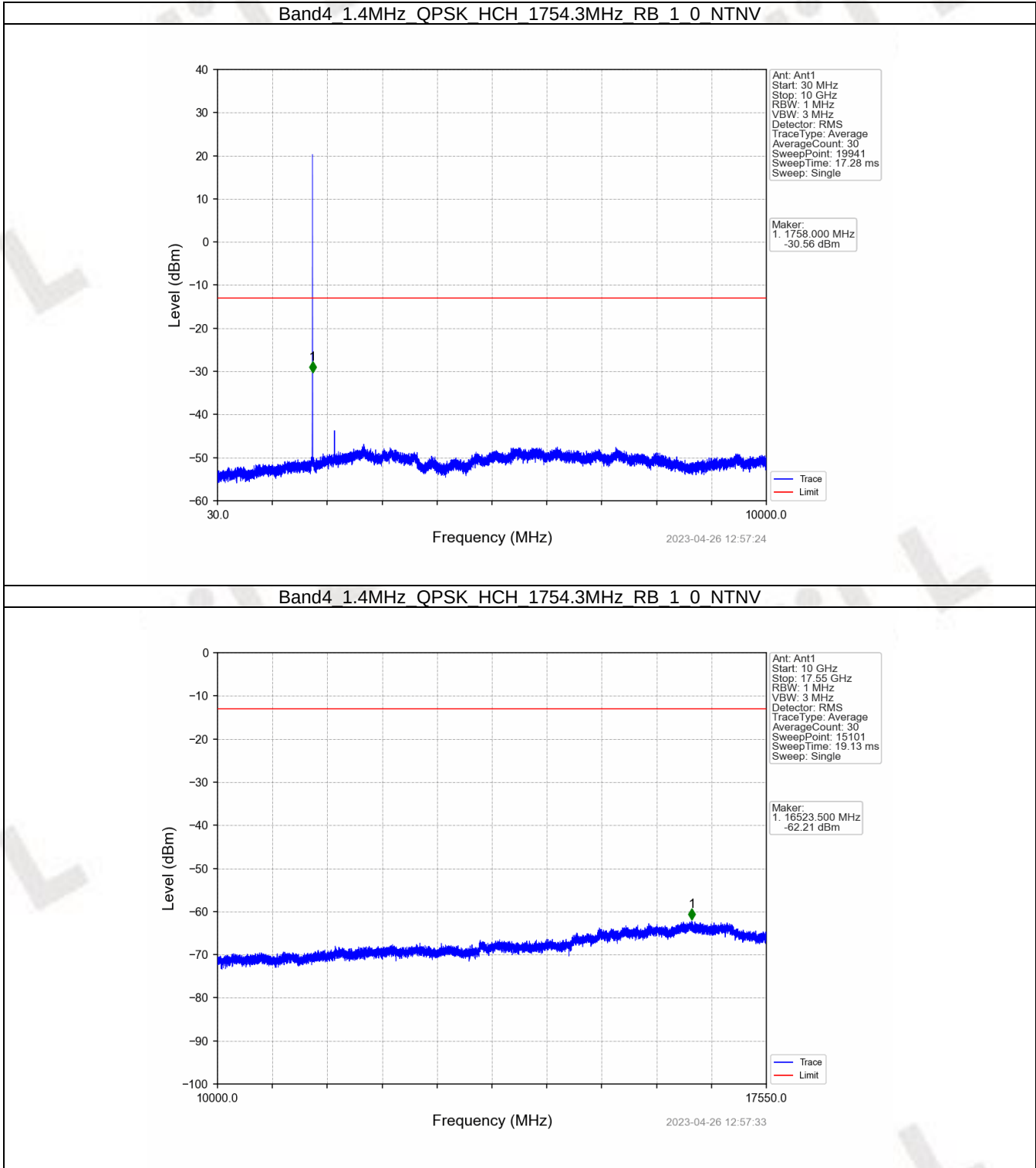
Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV



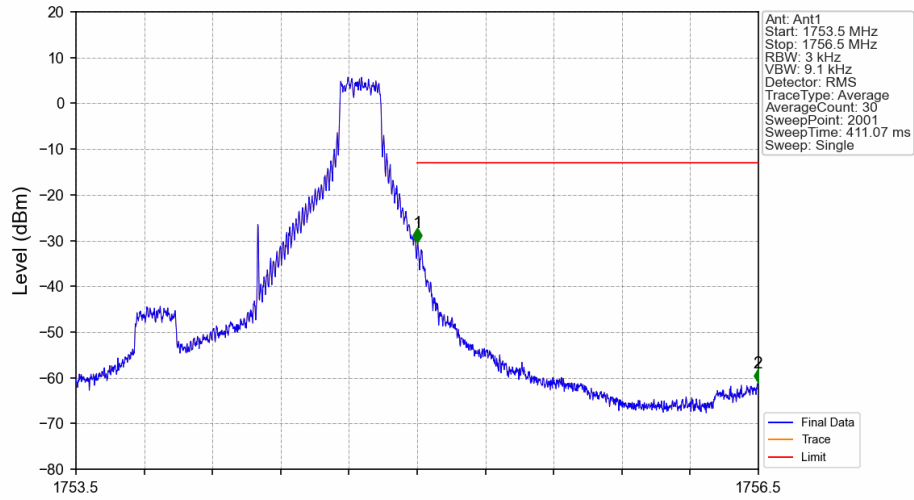
Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTV



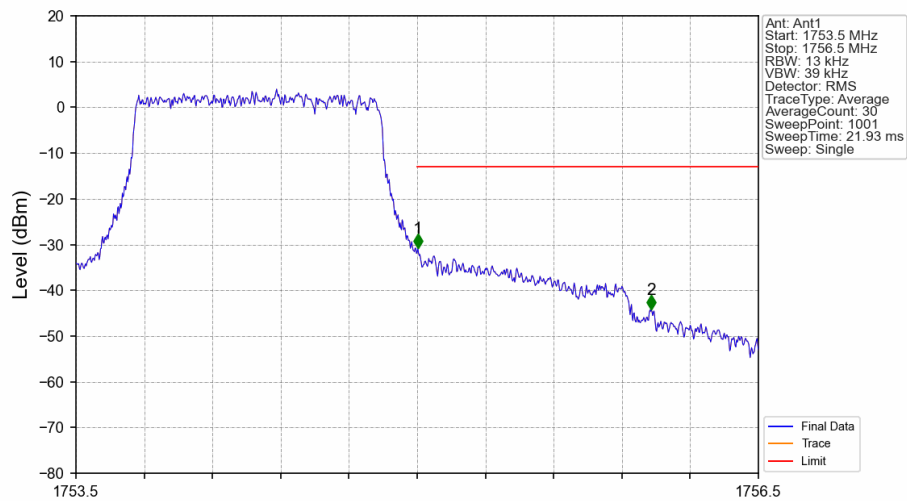




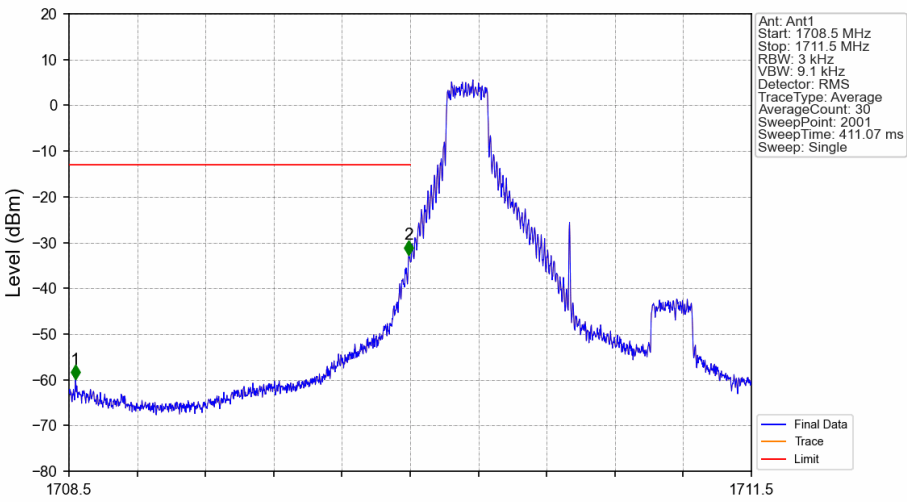
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 5 NTNV



Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV

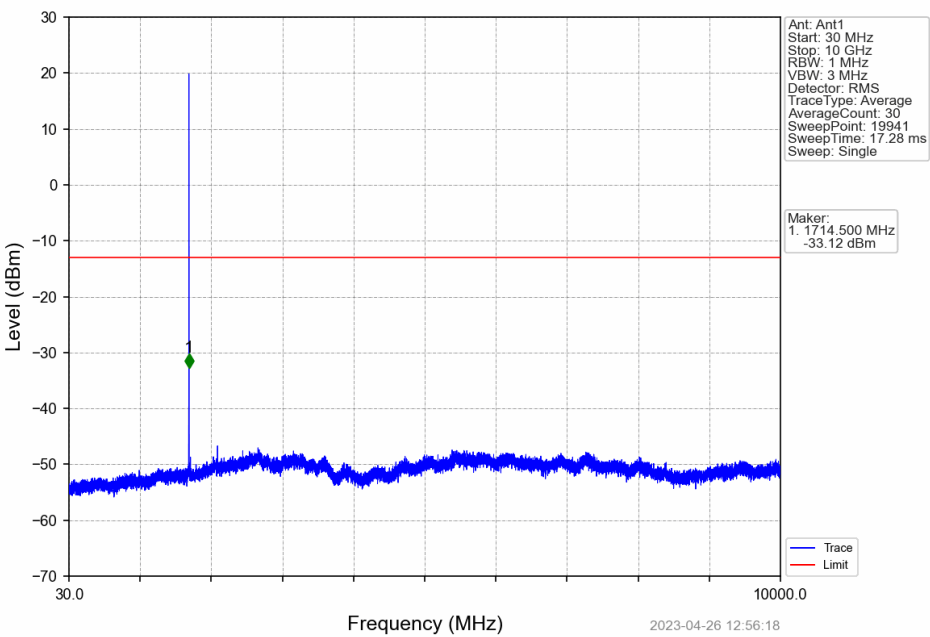


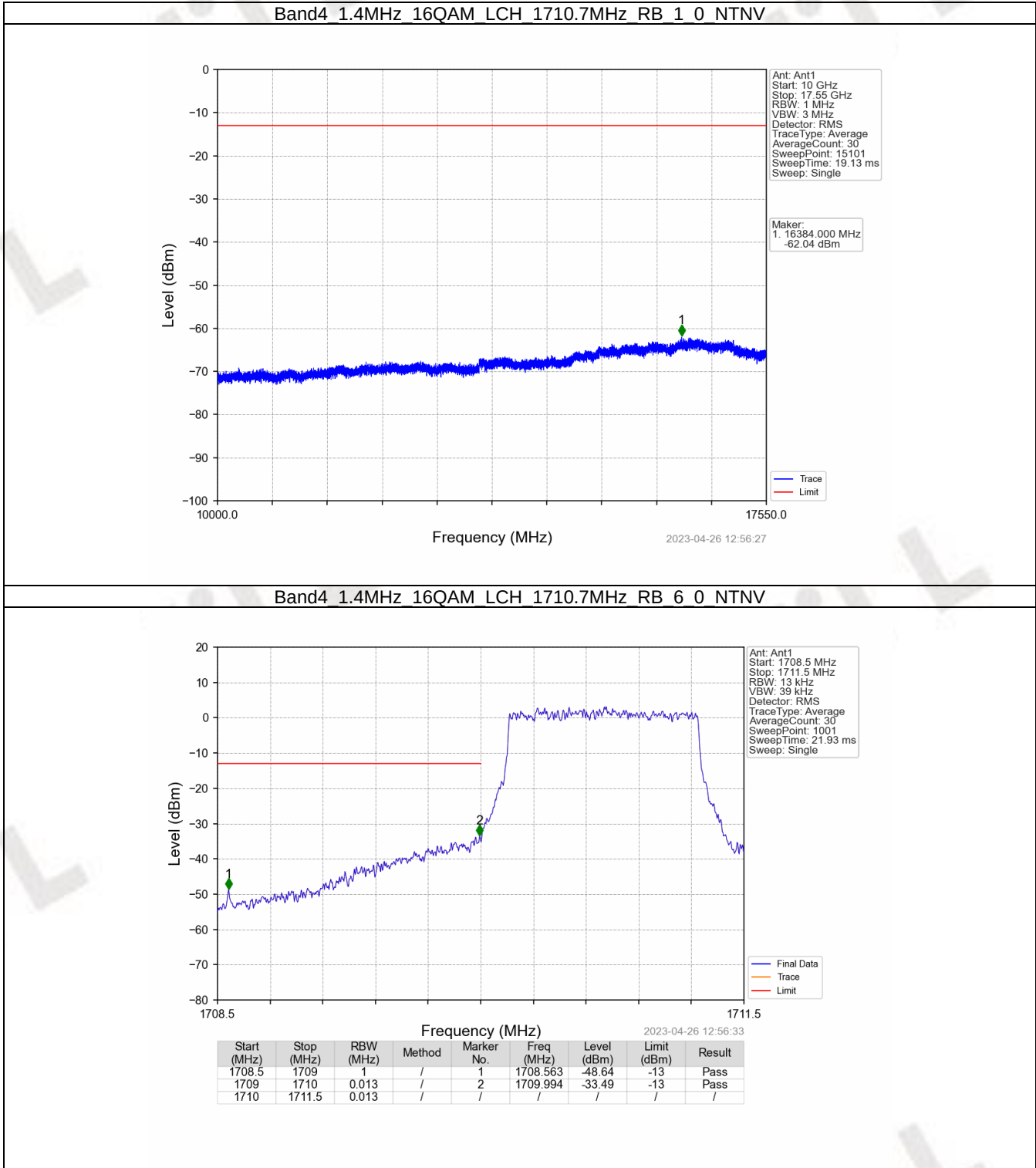
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTNV

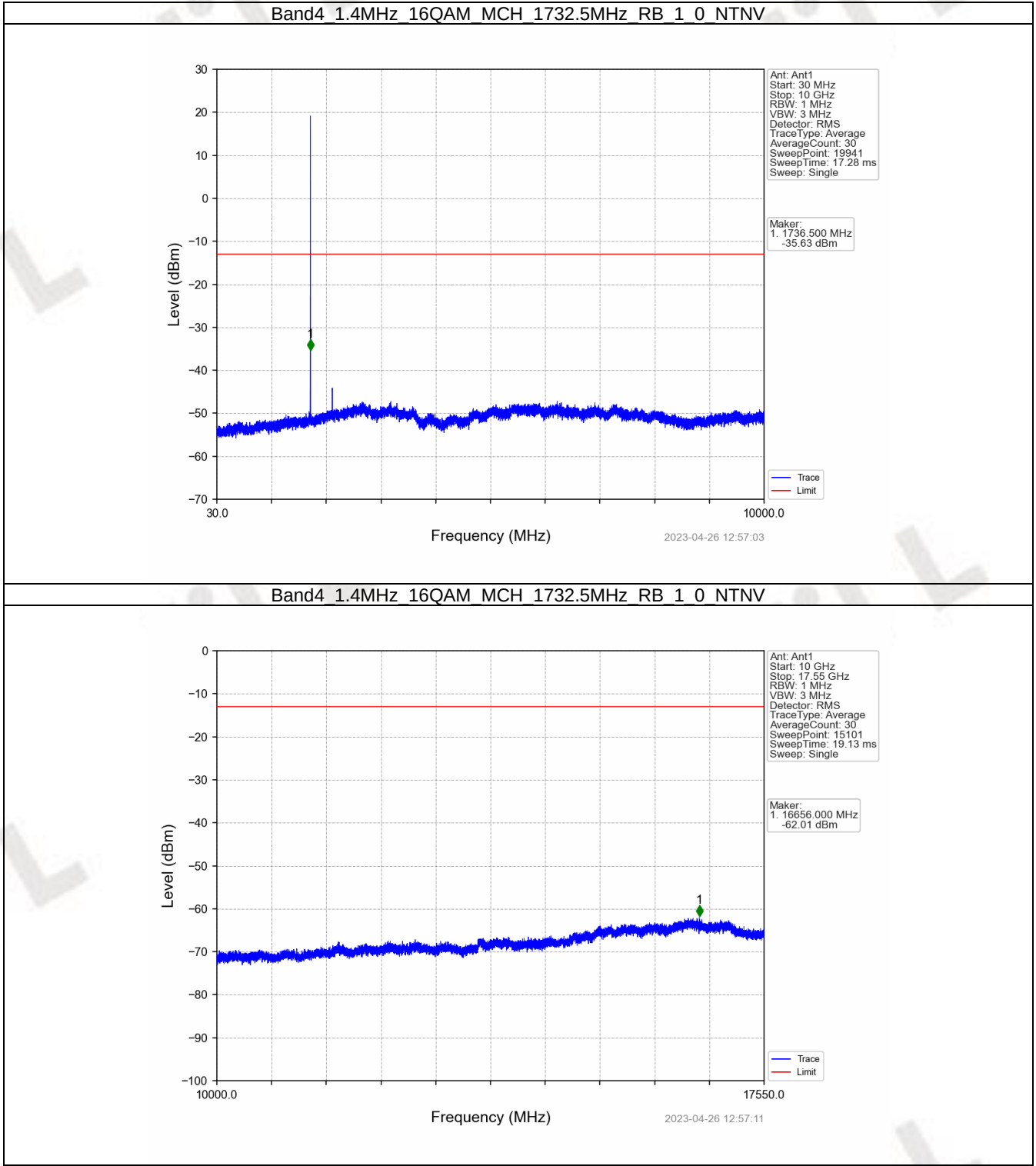


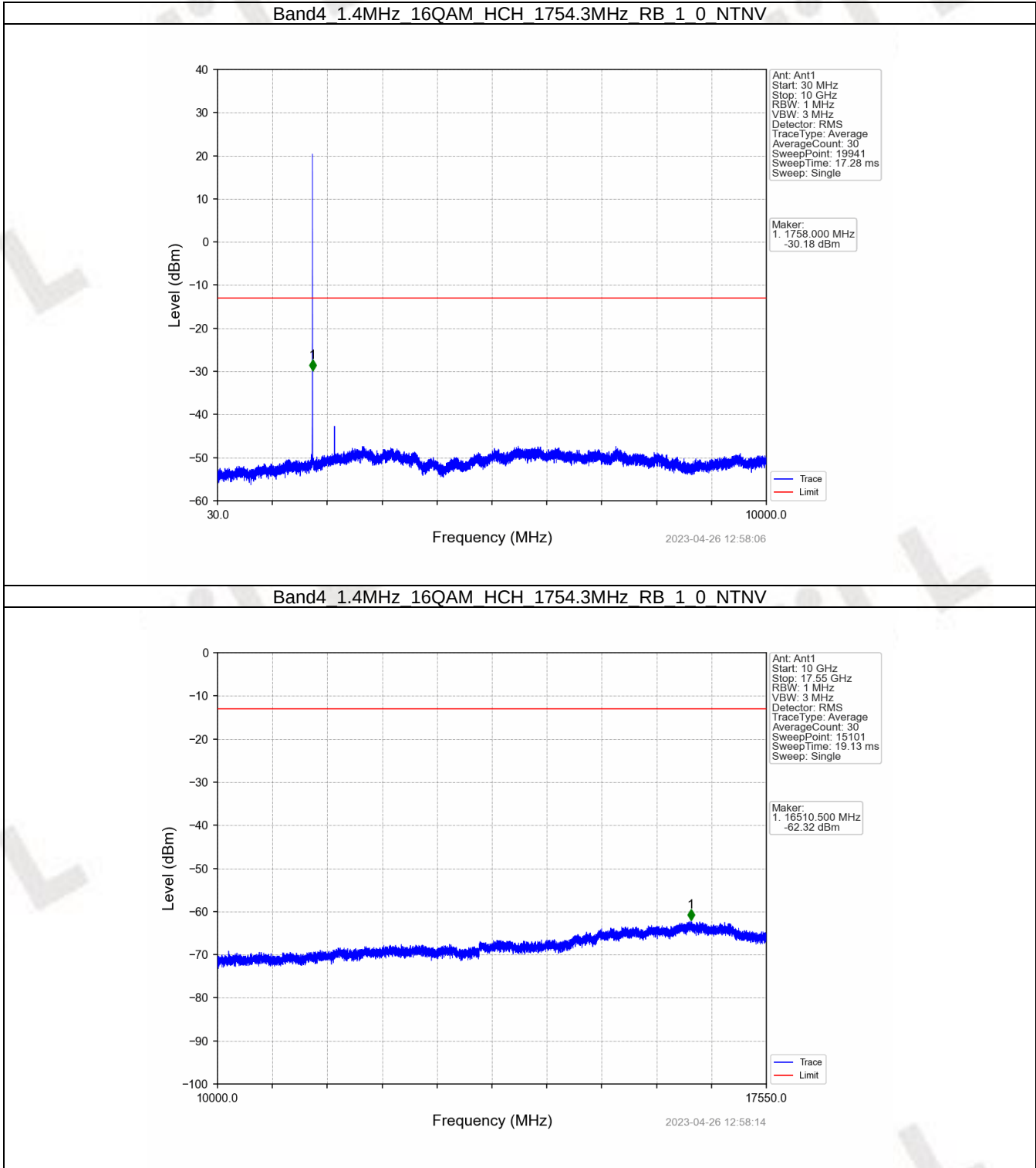
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.528	-59.96	-13	Pass
1709	1710	0.003	/	2	1709.994	-32.65	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTNV

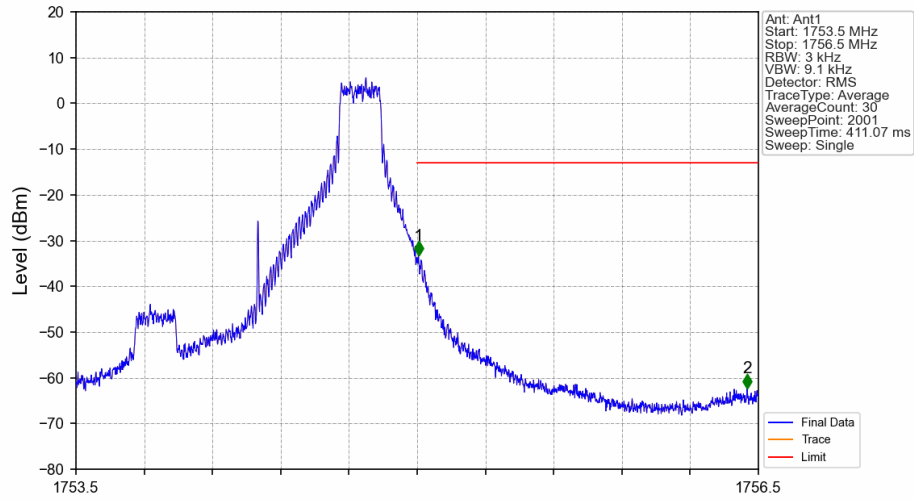




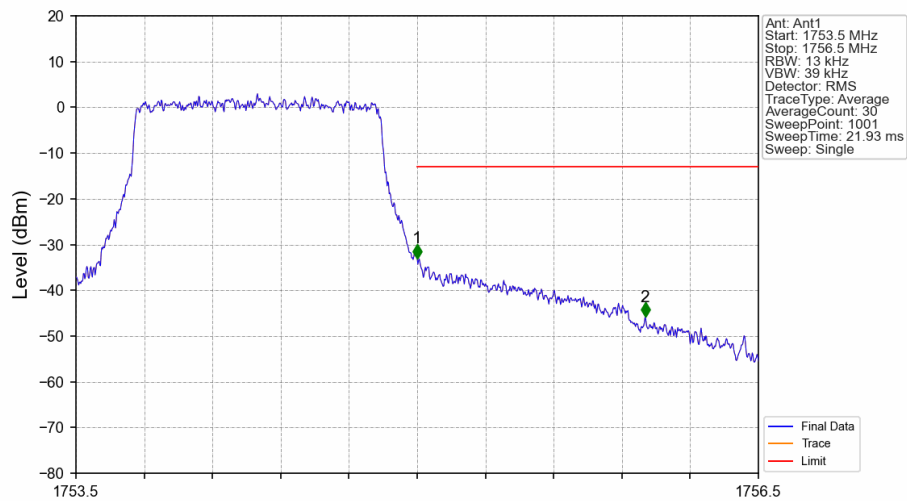




Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 5 NTNV



Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV

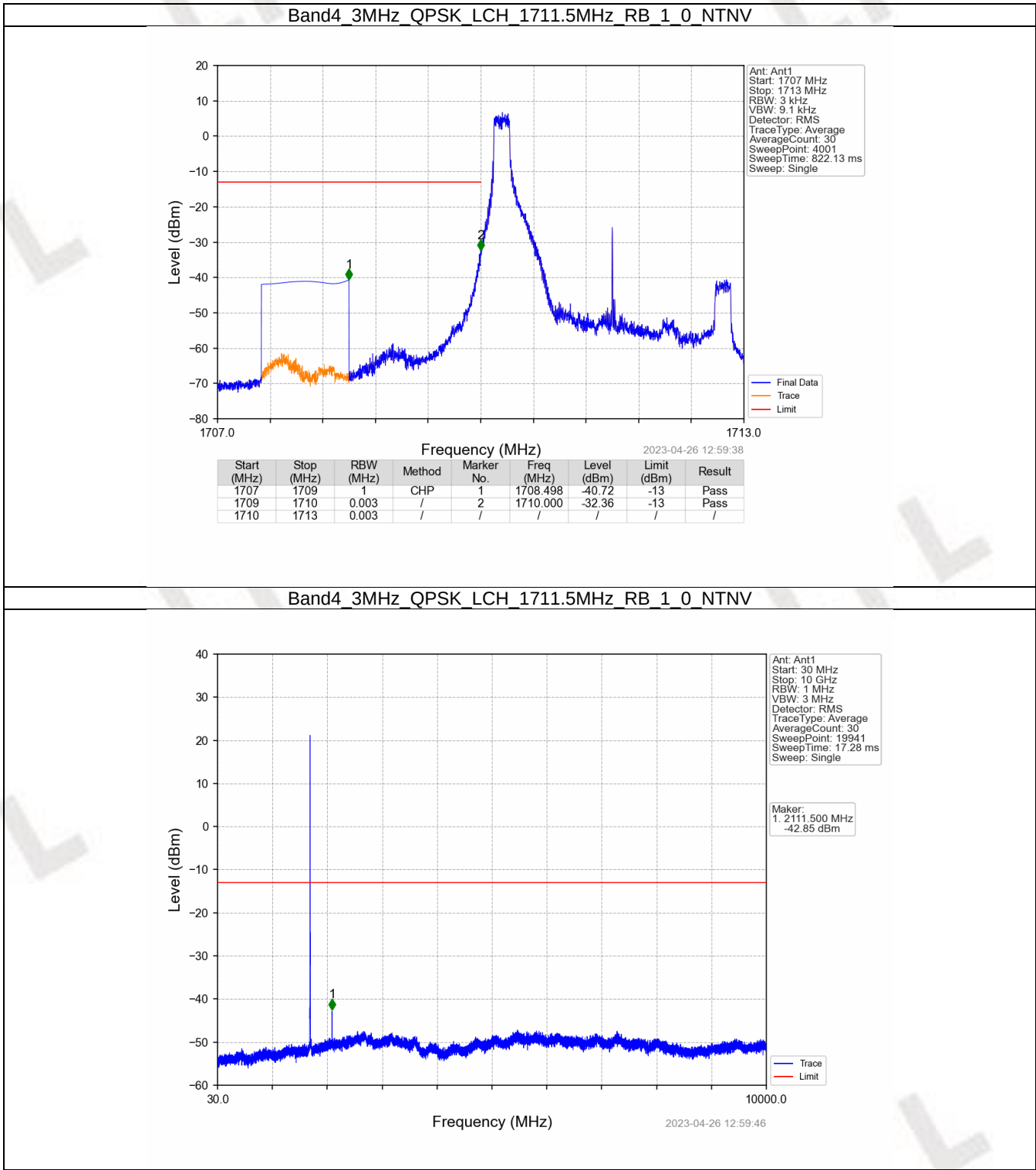


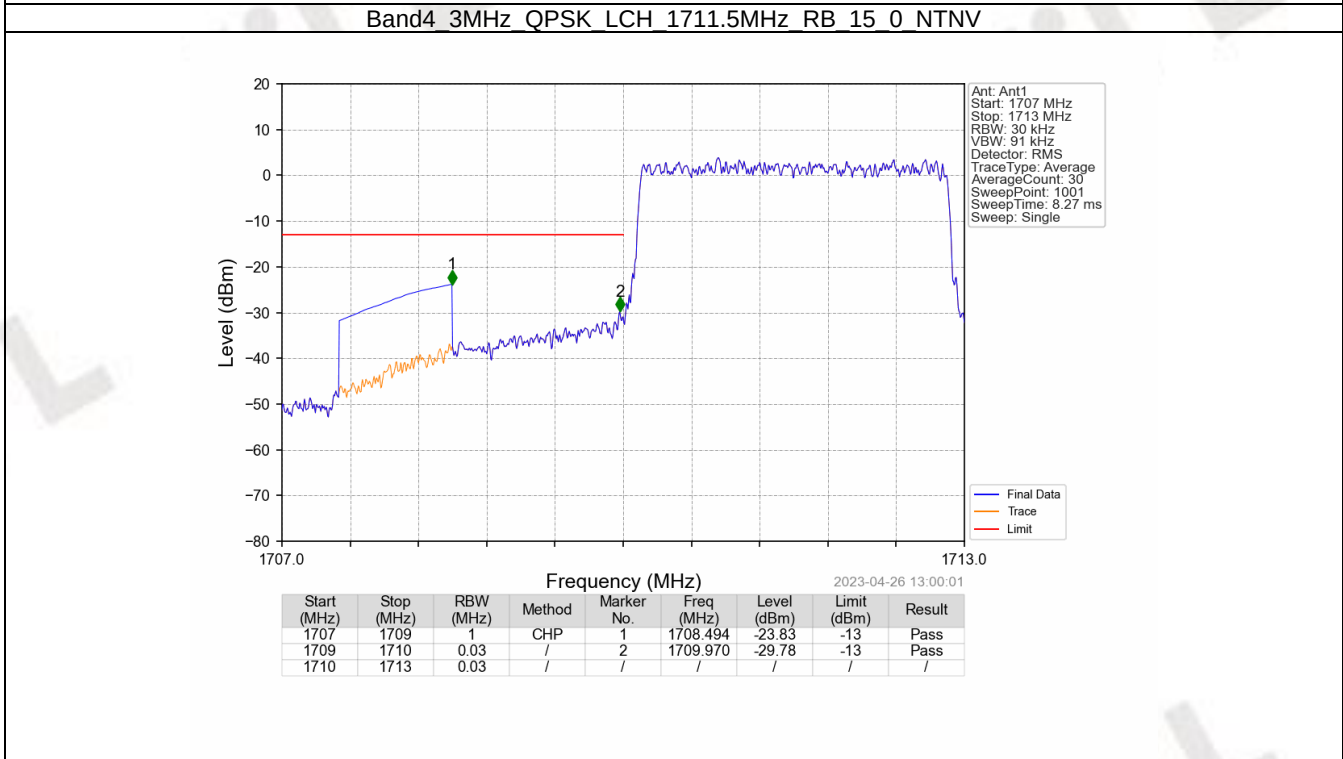
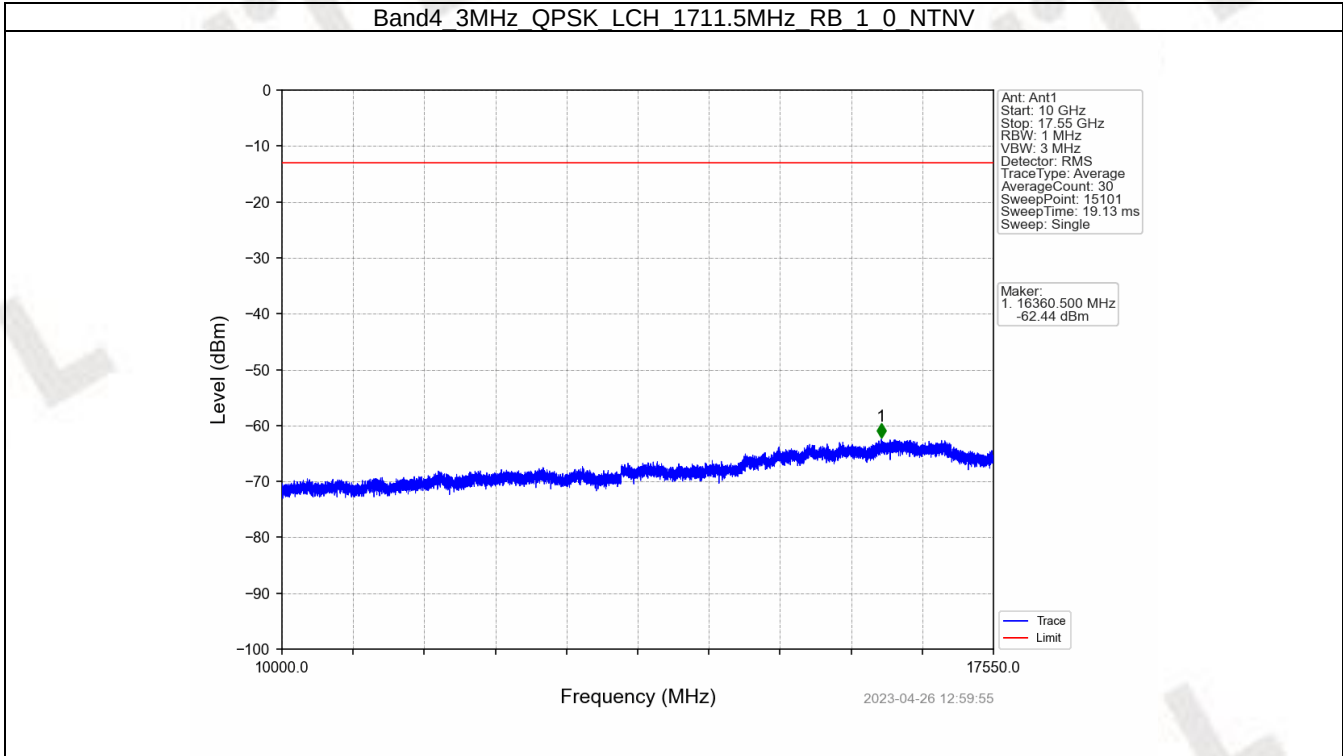
6.2 B4_3MHz

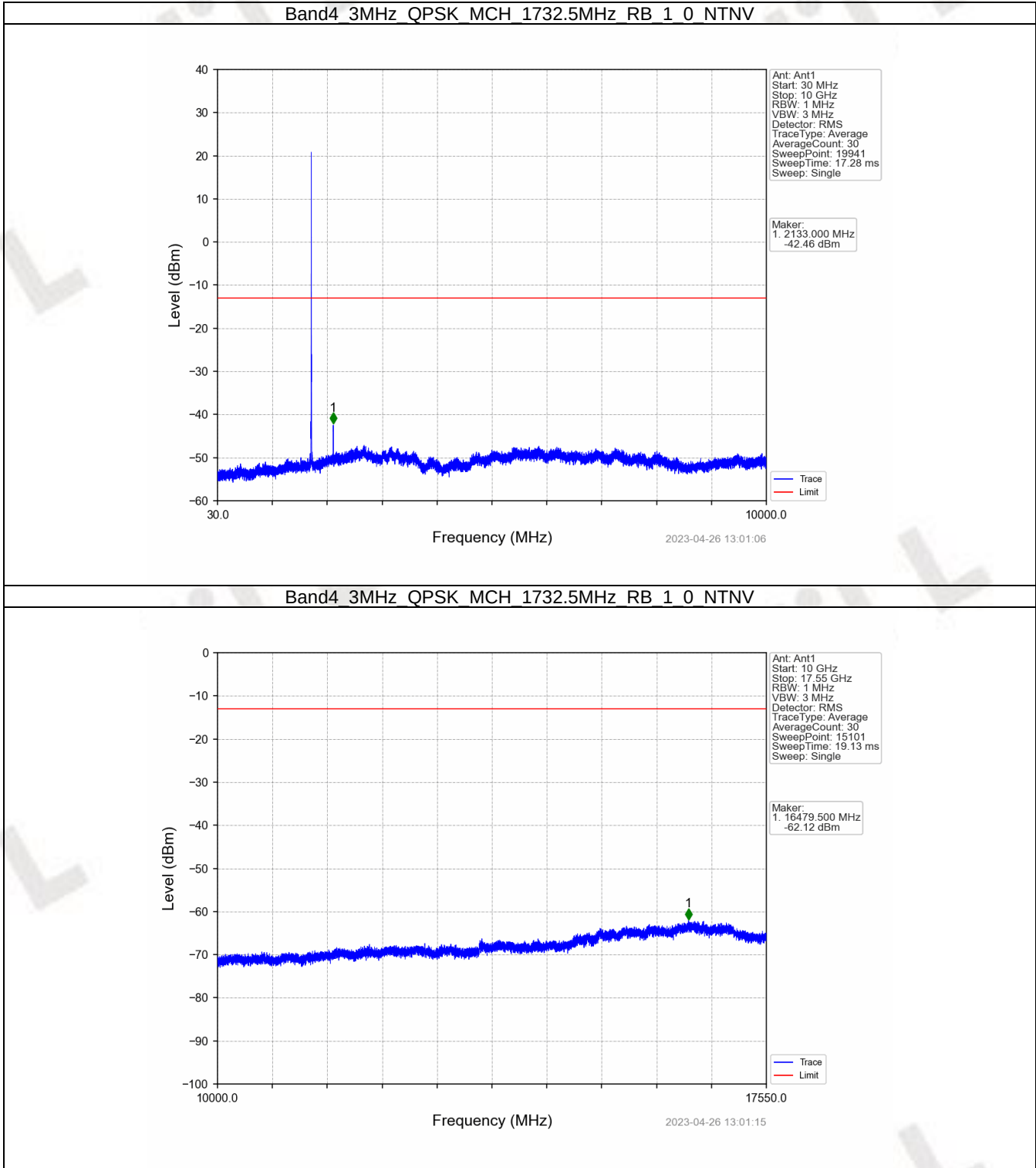
6.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
16QAM	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

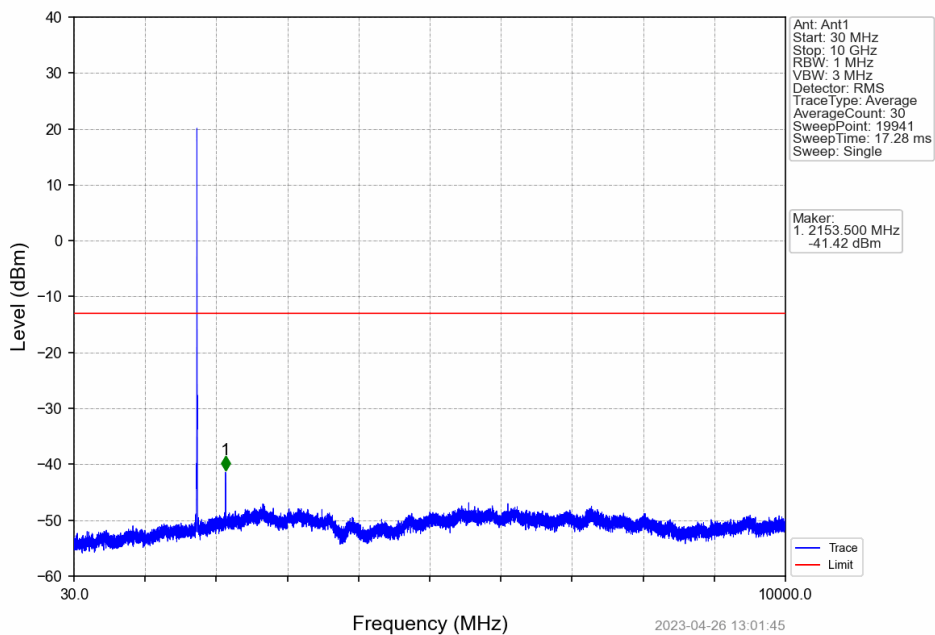
6.2.2 Test Graph



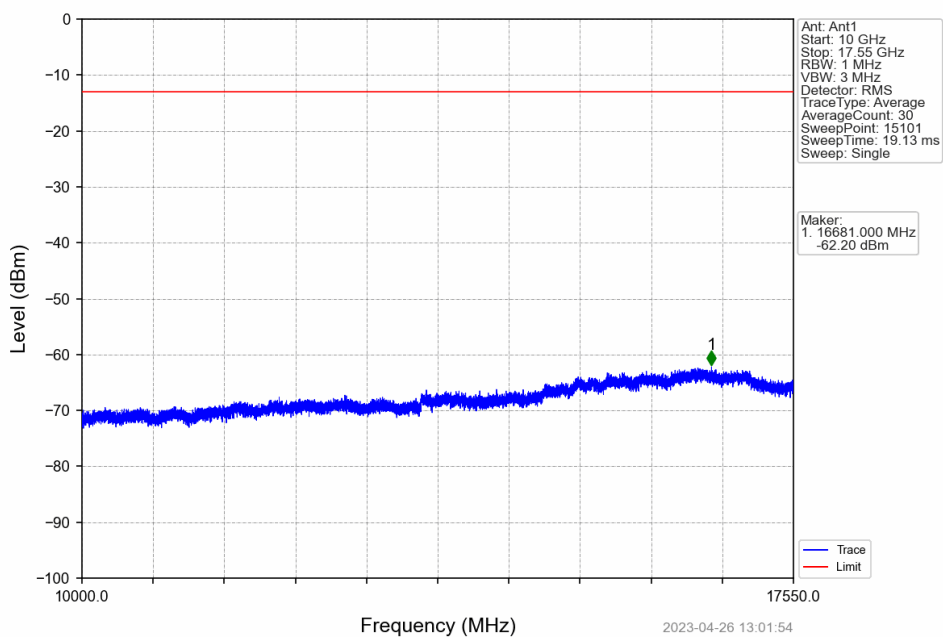




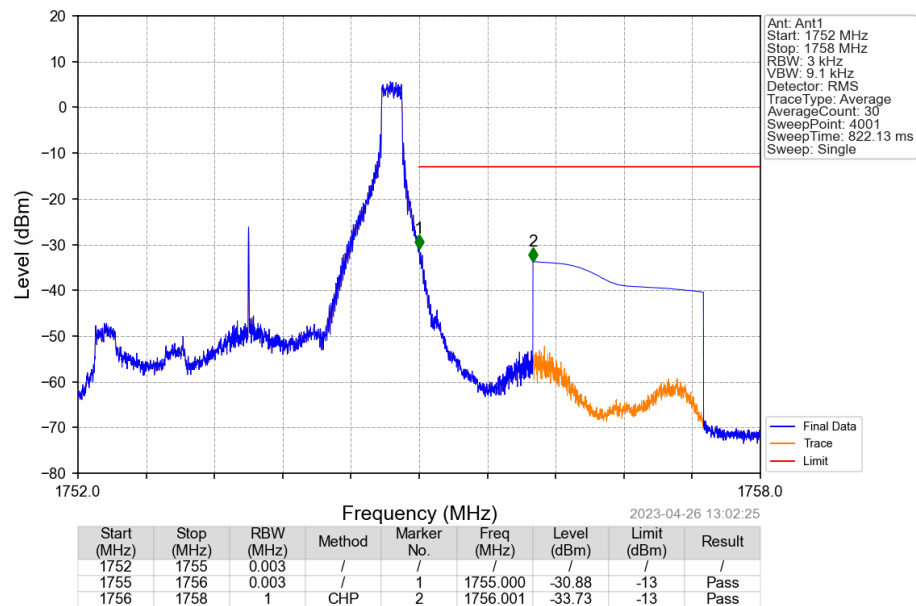
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTNV



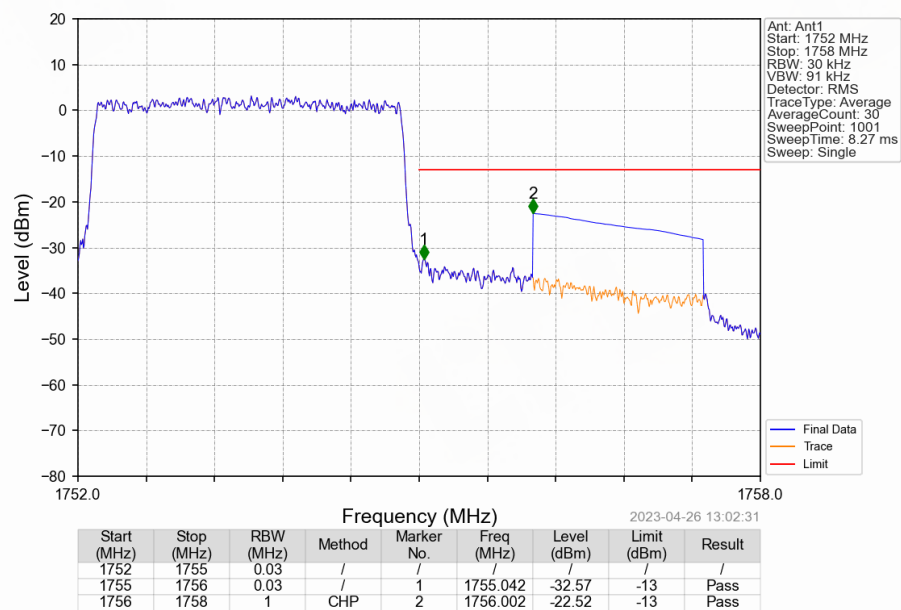
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTNV



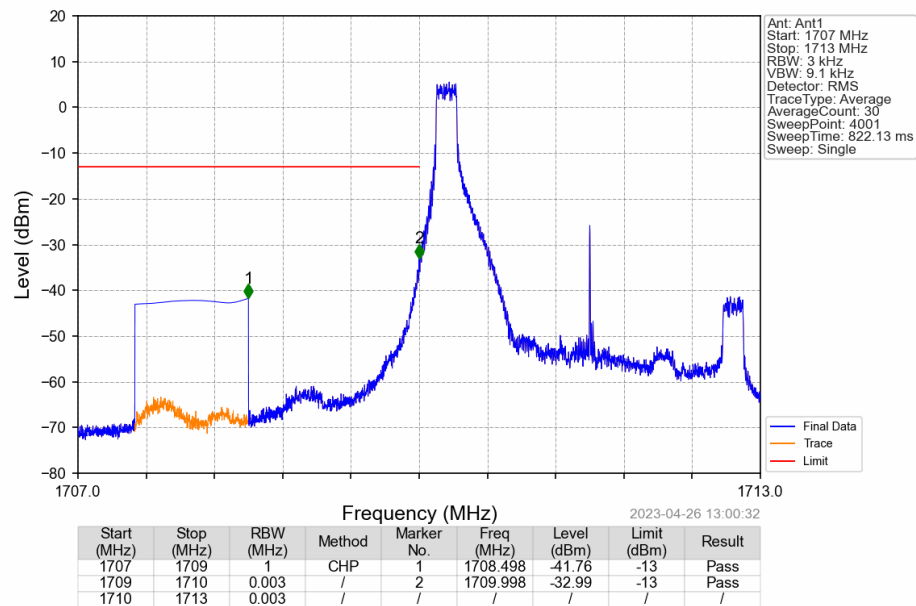
Band4 3MHz QPSK HCH 1753.5MHz RB 1 14 NTNV



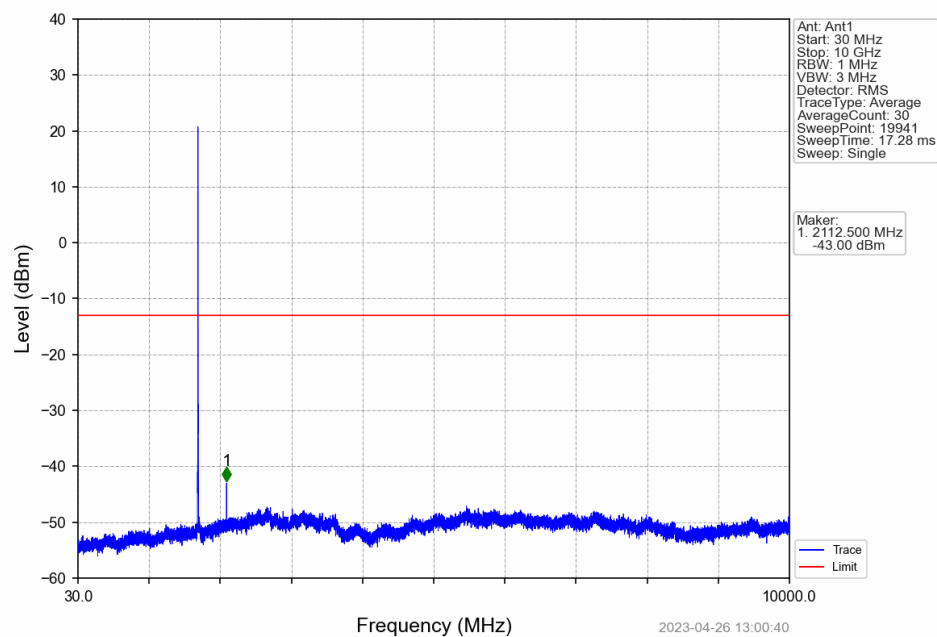
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTNV



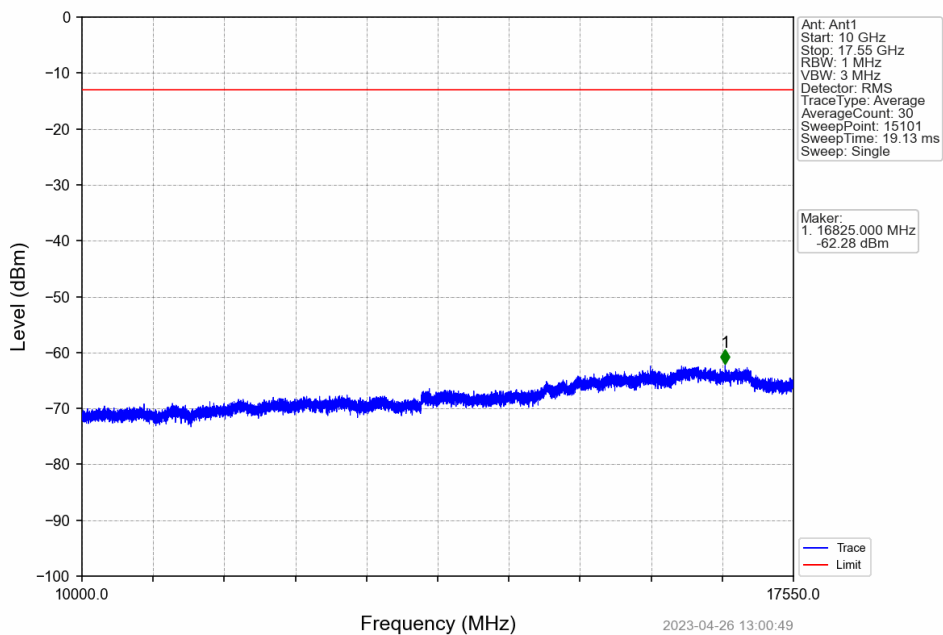
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTNV



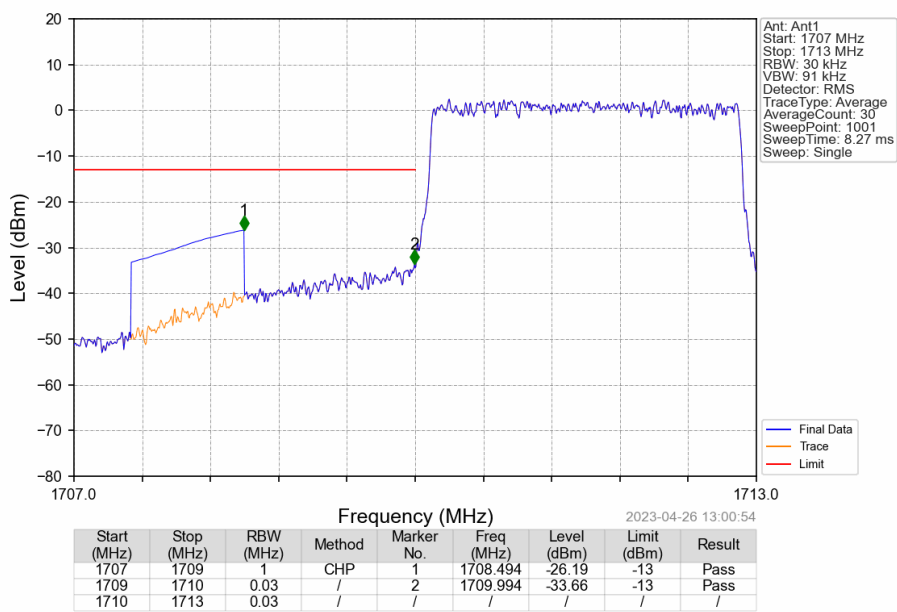
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTNV

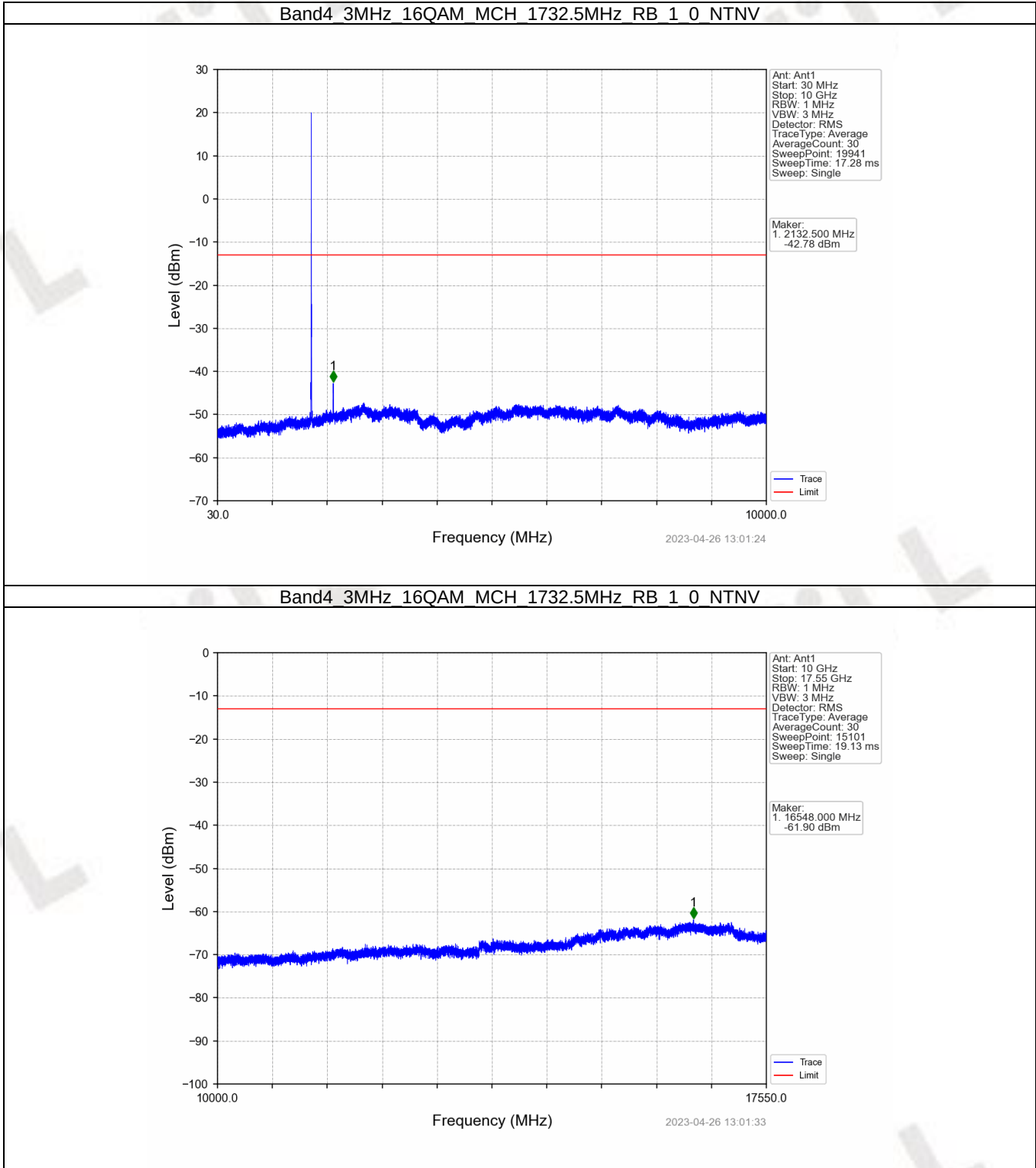


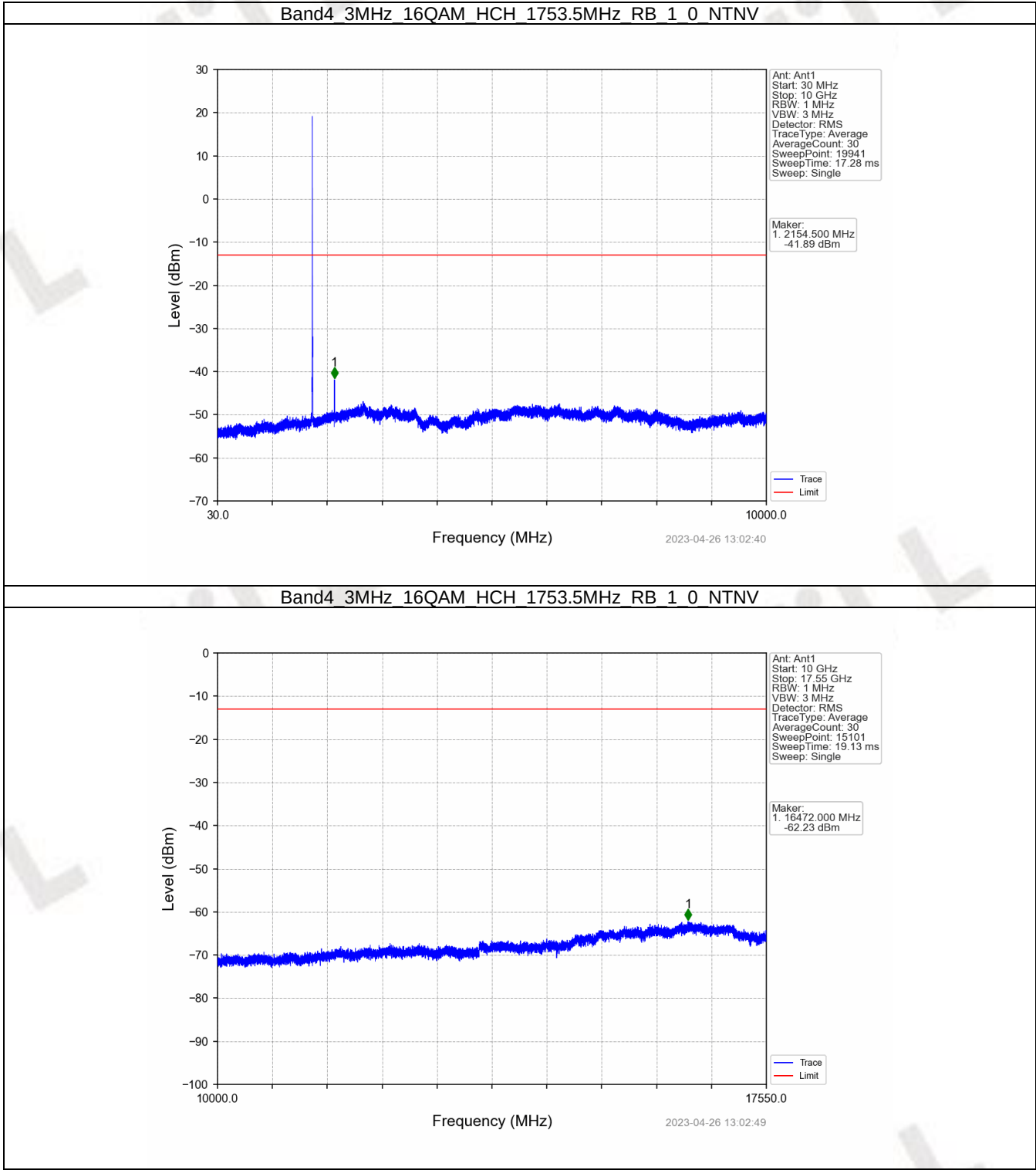
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTNV



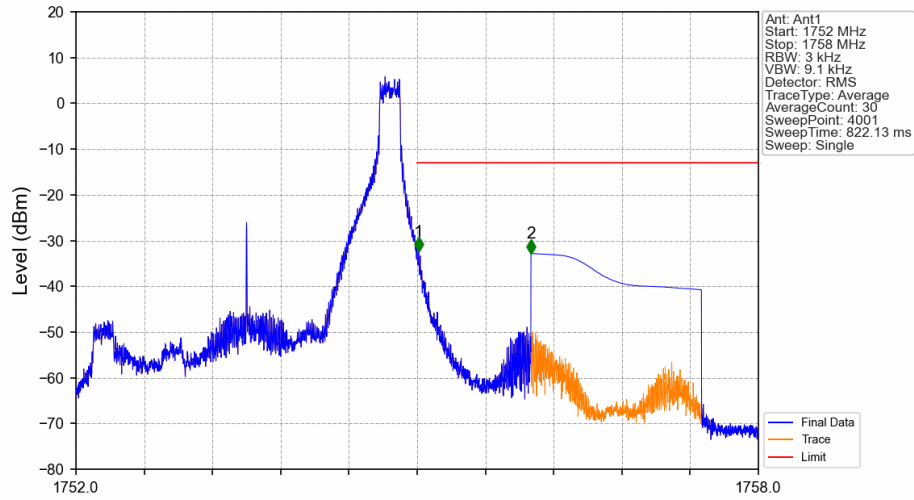
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTNV



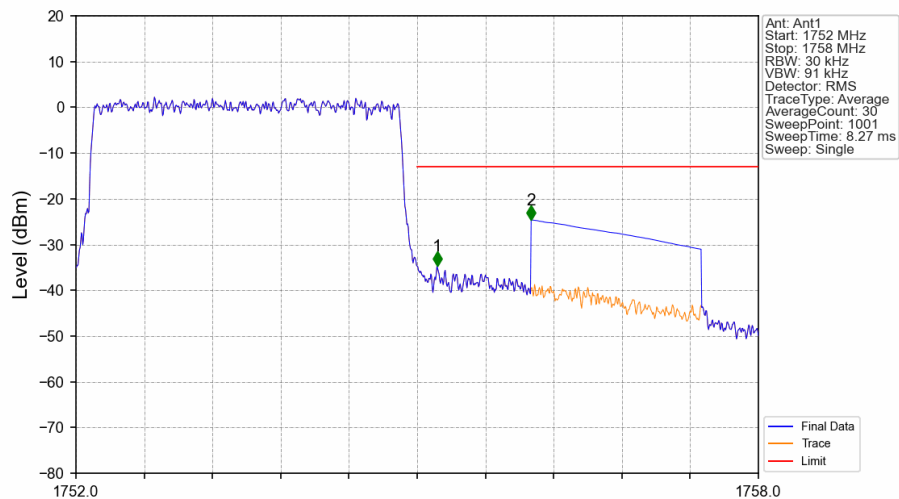




Band4 3MHz 16QAM HCH 1753.5MHz RB 1 14 NTNV



Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV

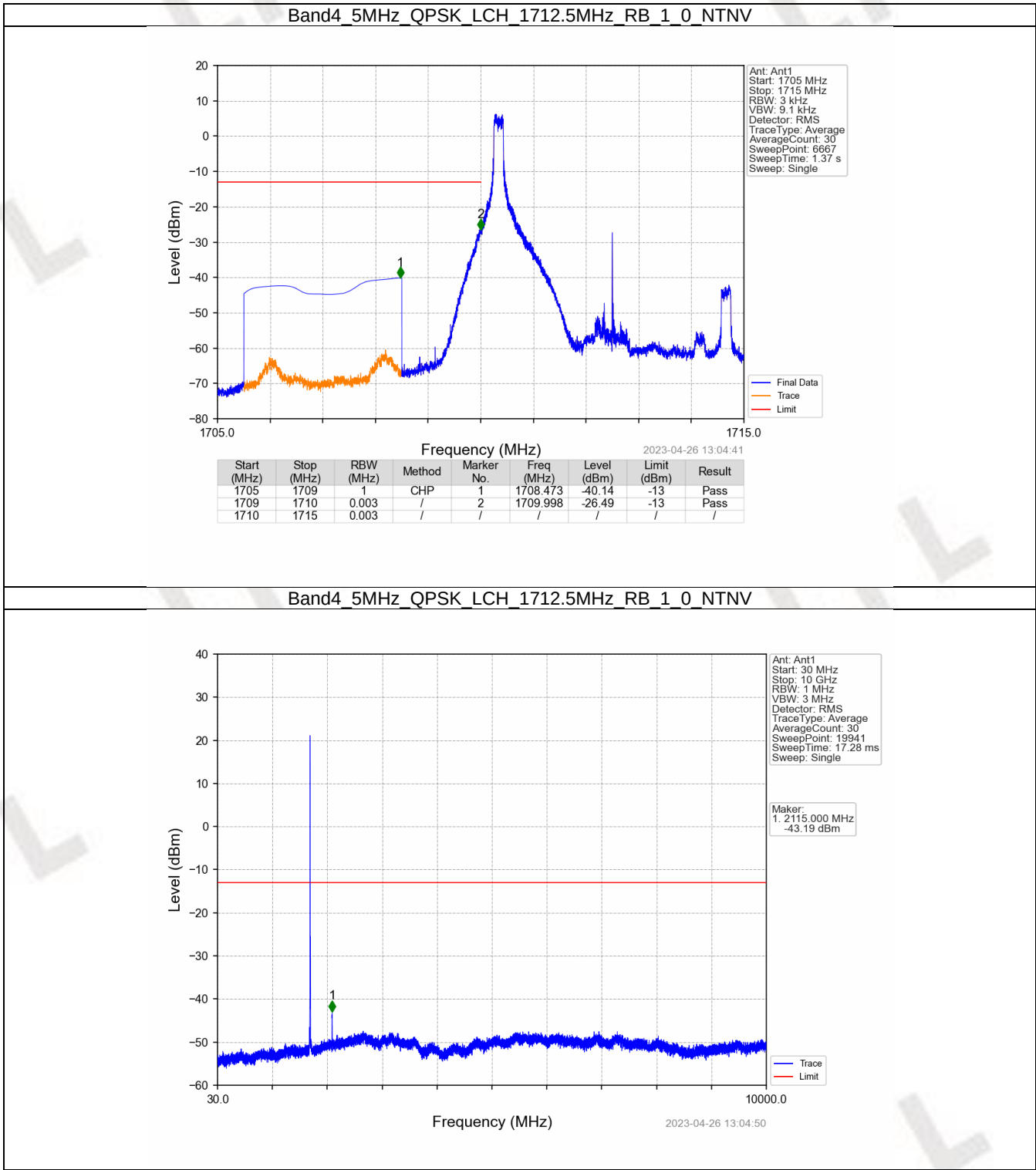


6.3 B4_5MHz

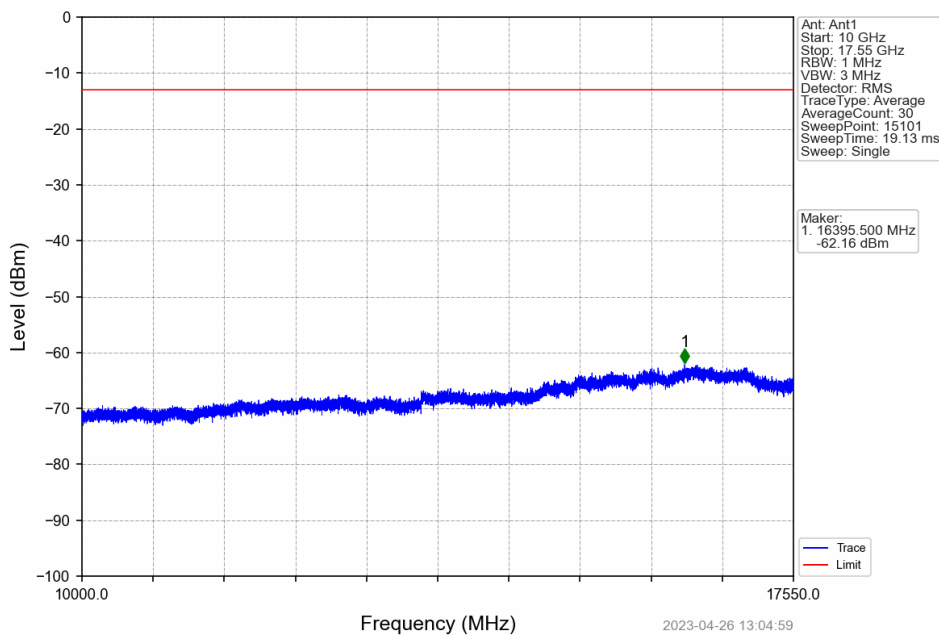
6.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
16QAM	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

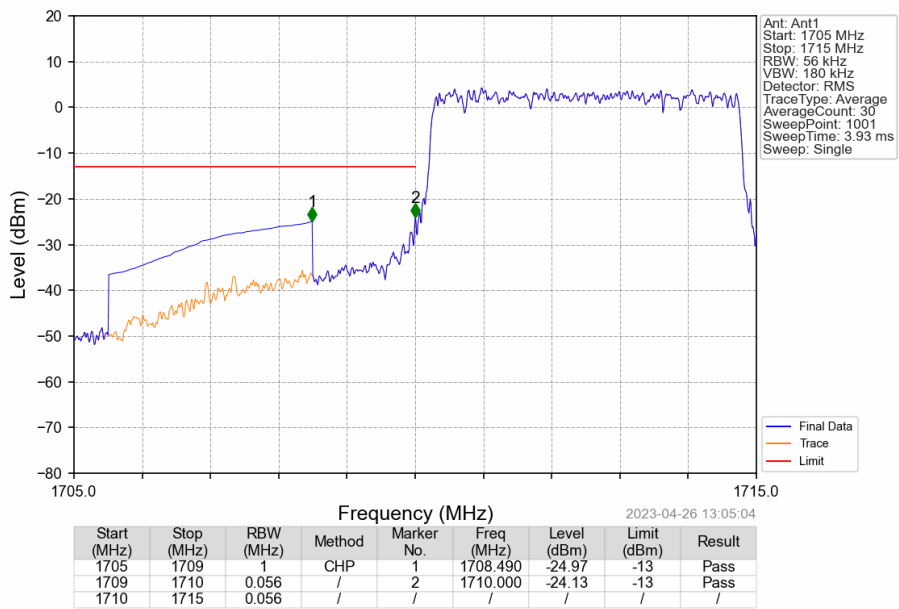
6.3.2 Test Graph

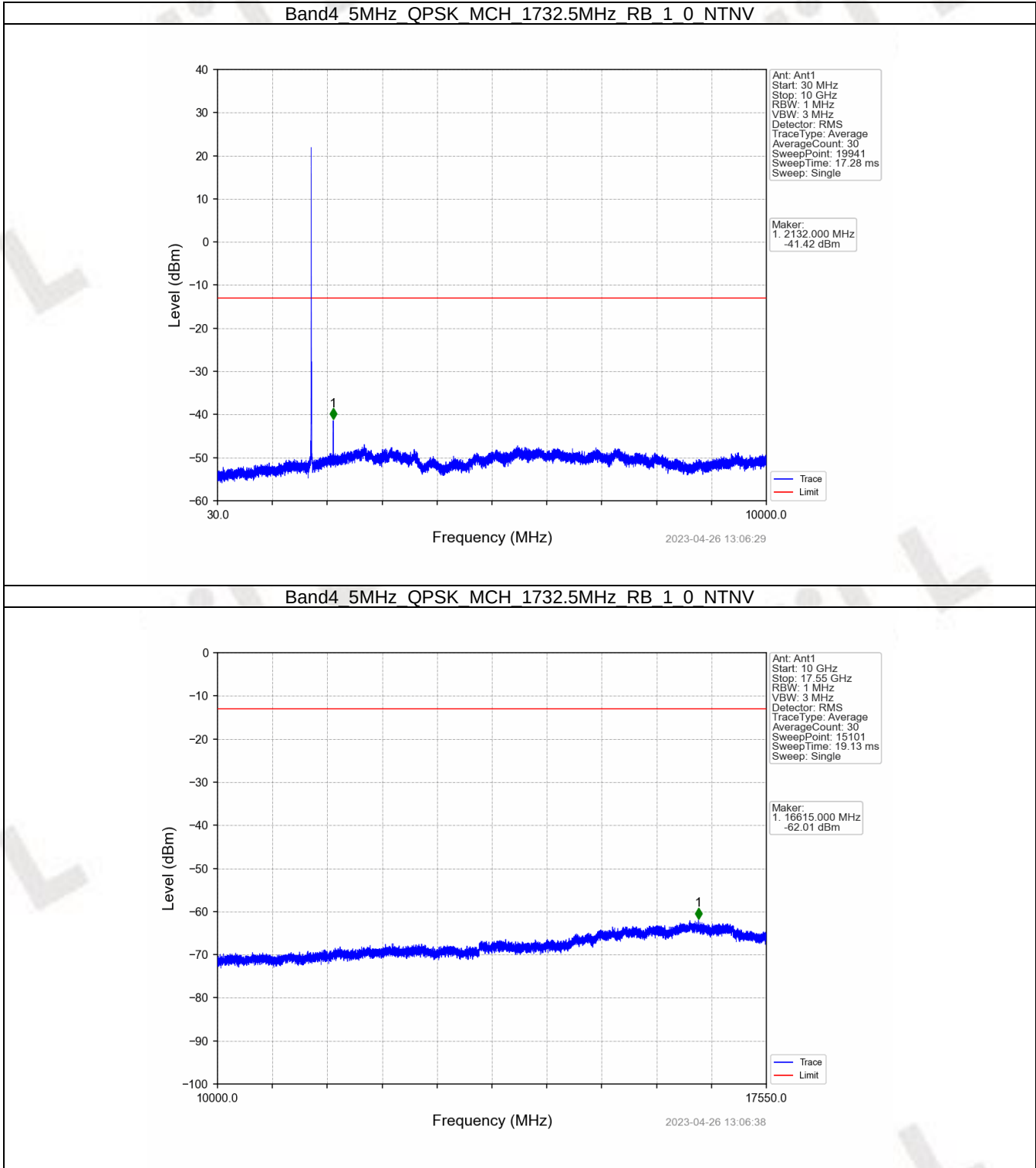


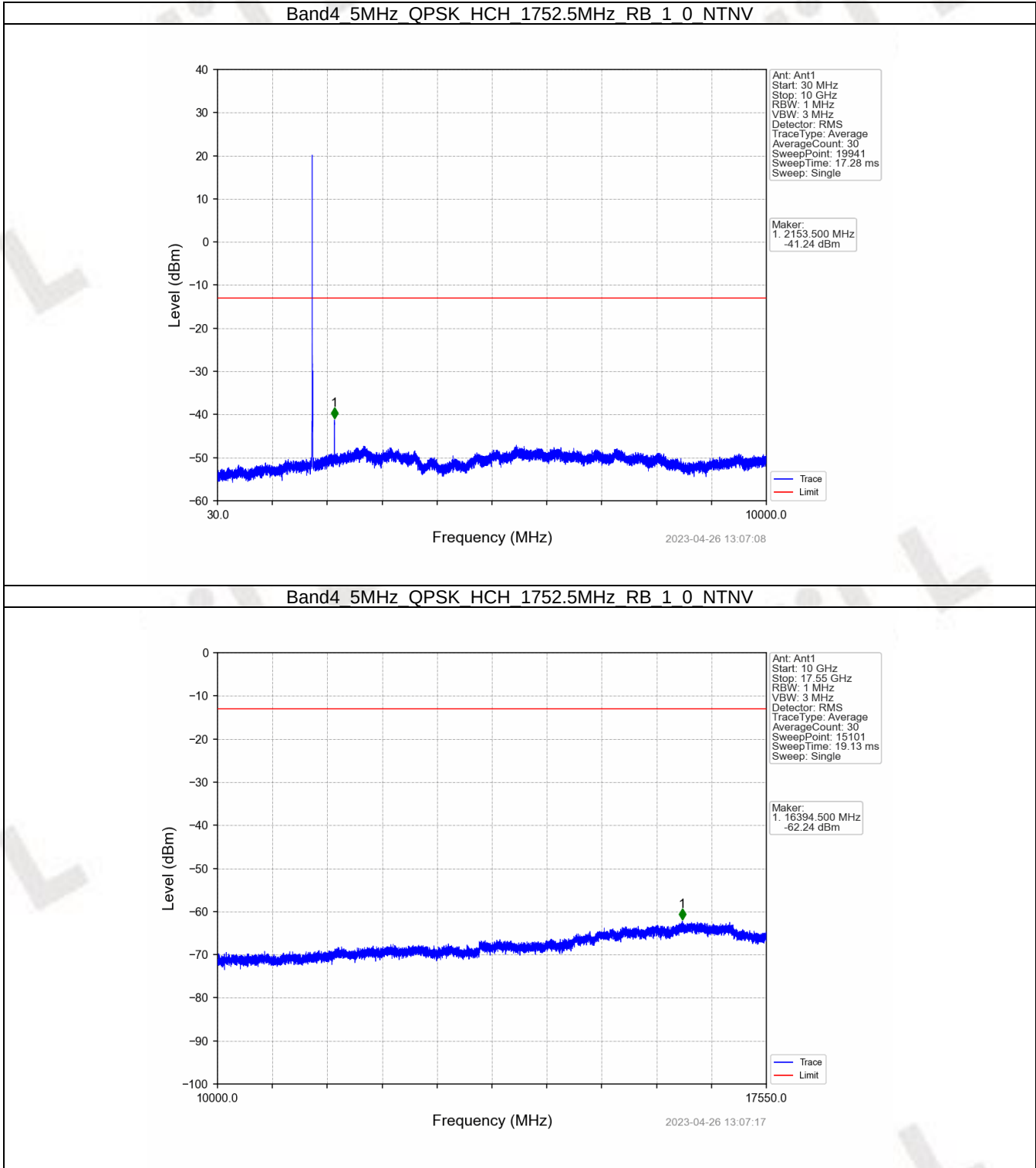
Band4 5MHz QPSK LCH 1712.5MHz RB 1 0 NTN



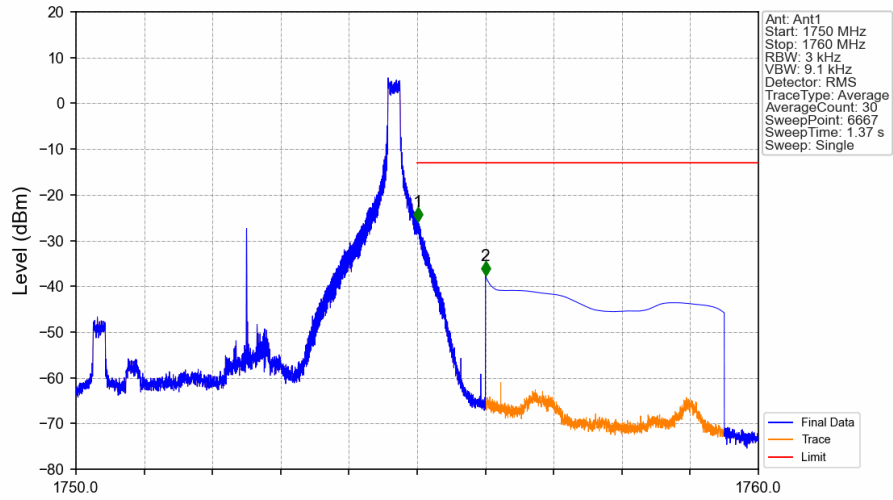
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTN





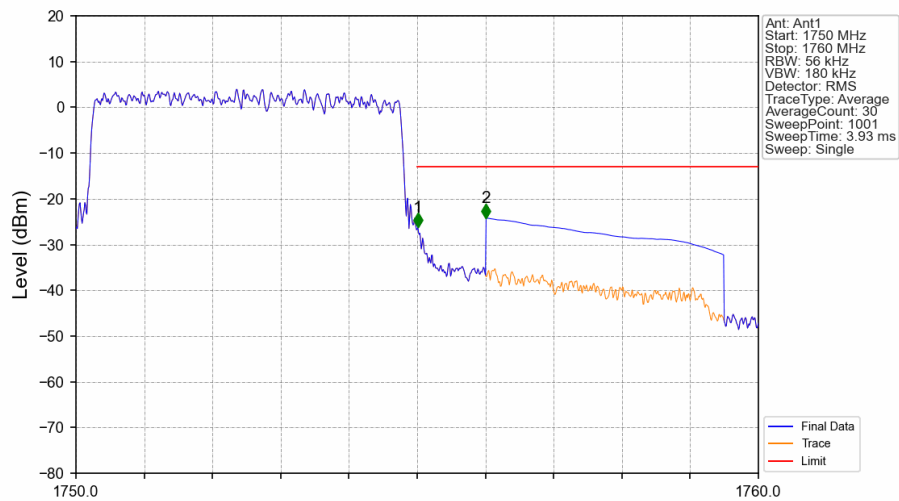


Band4 5MHz QPSK HCH 1752.5MHz RB 1 24 NTNV



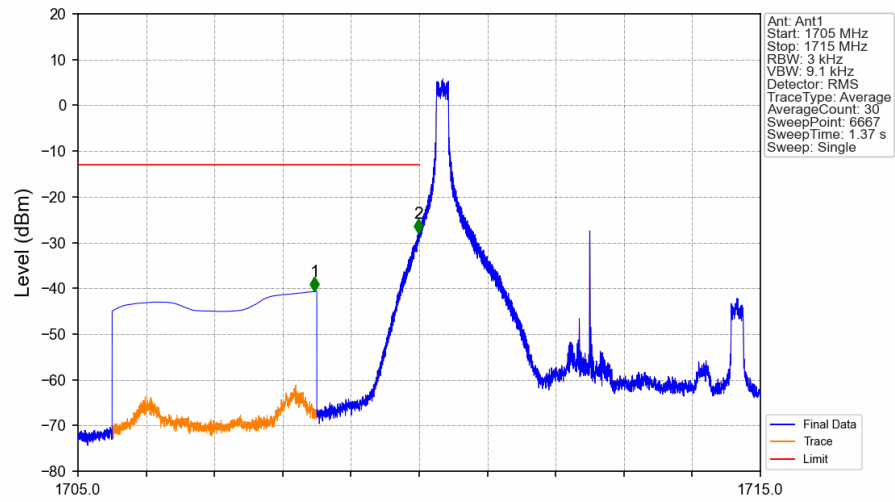
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	1	1755.011	-25.89	-13	Pass
1755	1756	0.003	/	2	1756.001	-37.72	-13	Pass

Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTNV



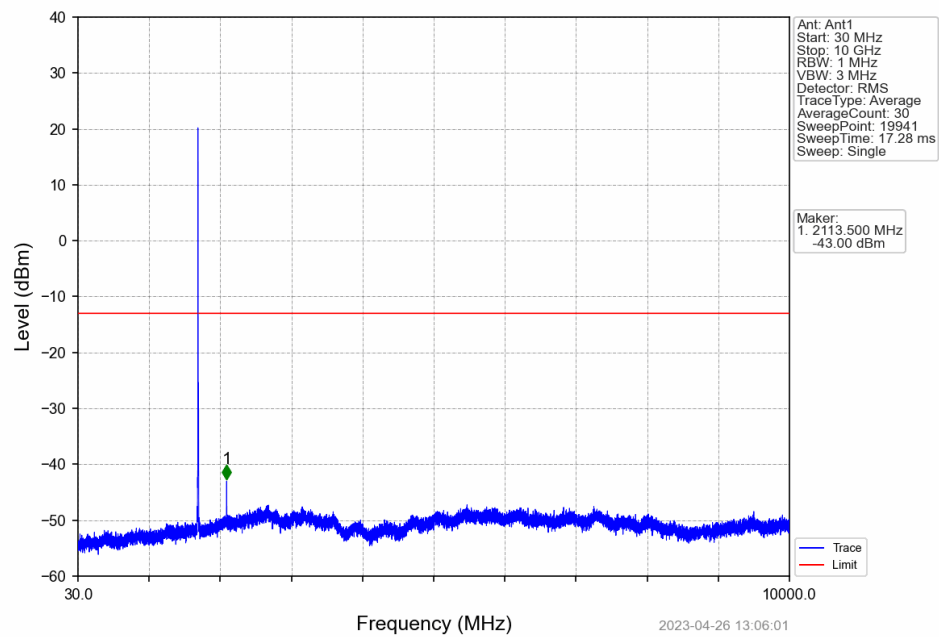
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.056	/	1	1755.010	-26.21	-13	Pass
1755	1756	0.056	/	2	1756.010	-24.20	-13	Pass

Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTNV

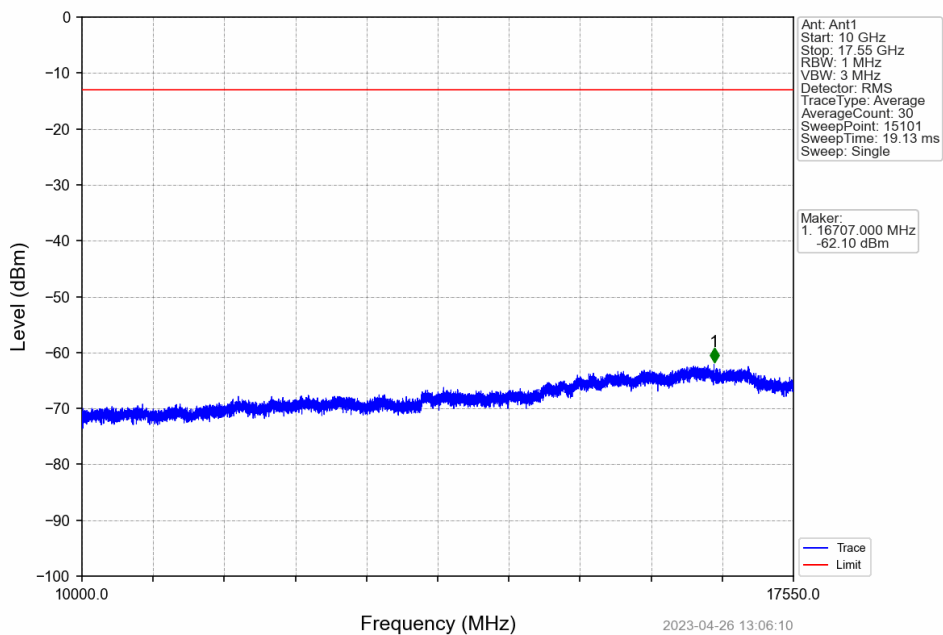


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.467	-40.72	-13	Pass
1709	1710	0.003	/	2	1709.989	-28.00	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

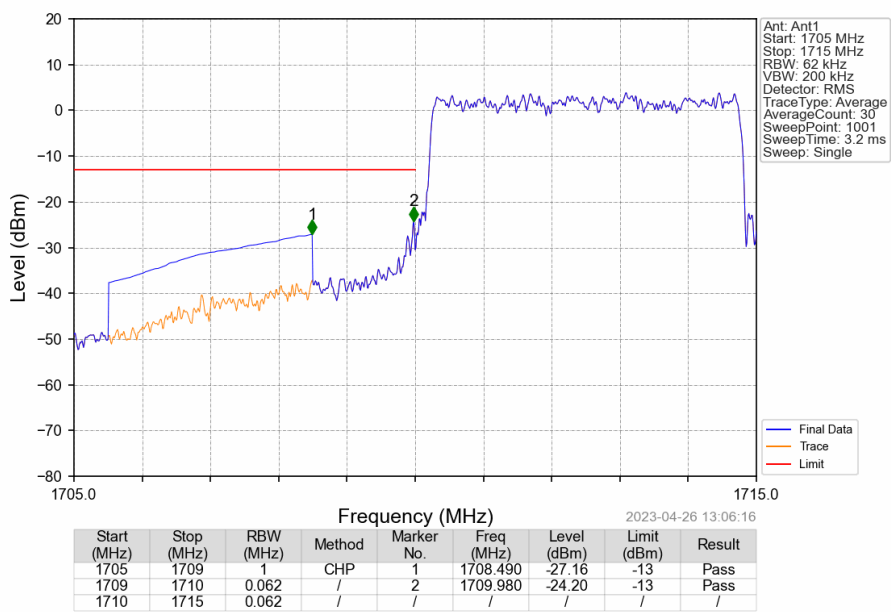
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTNV



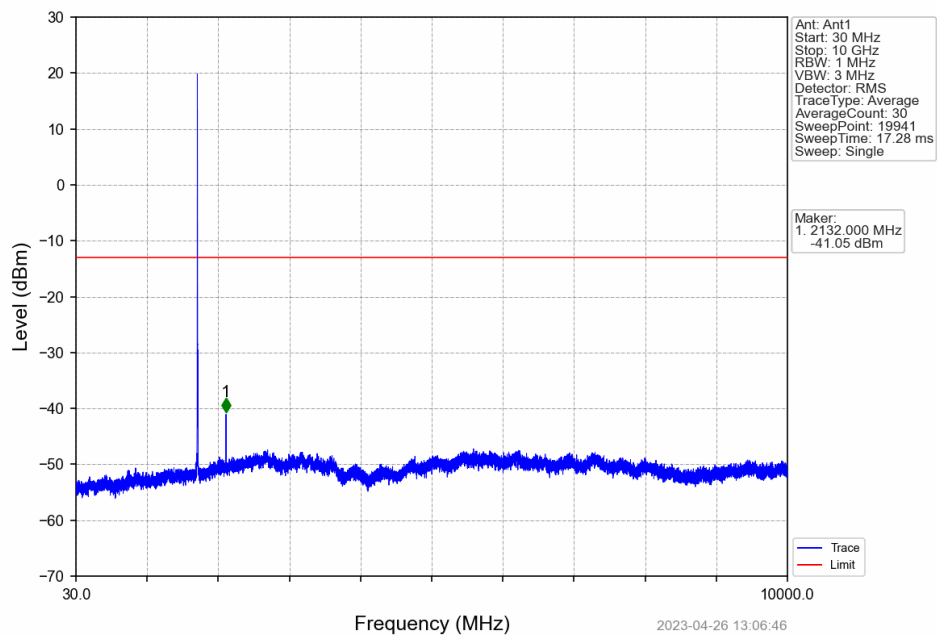
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTNV



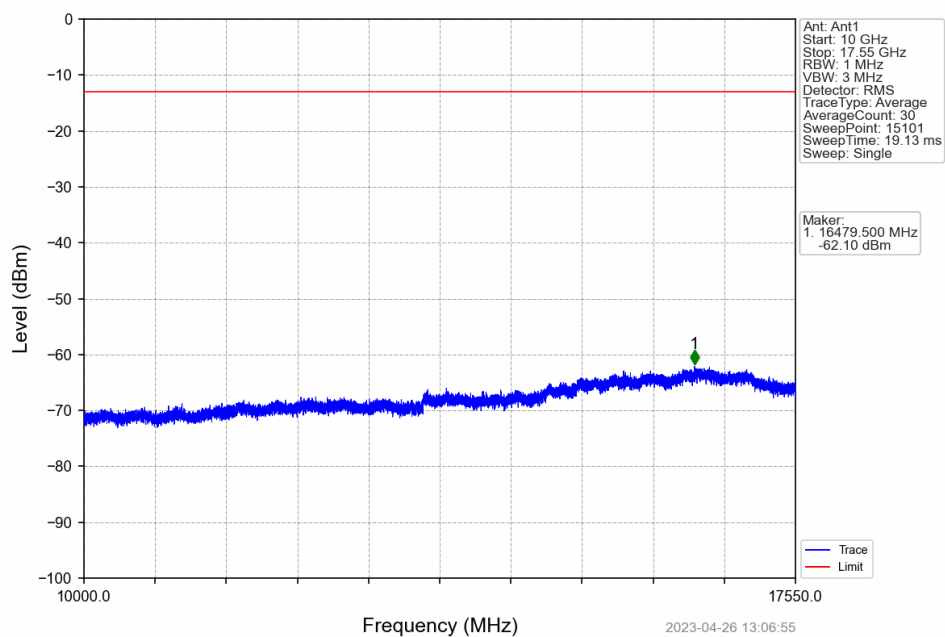
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV

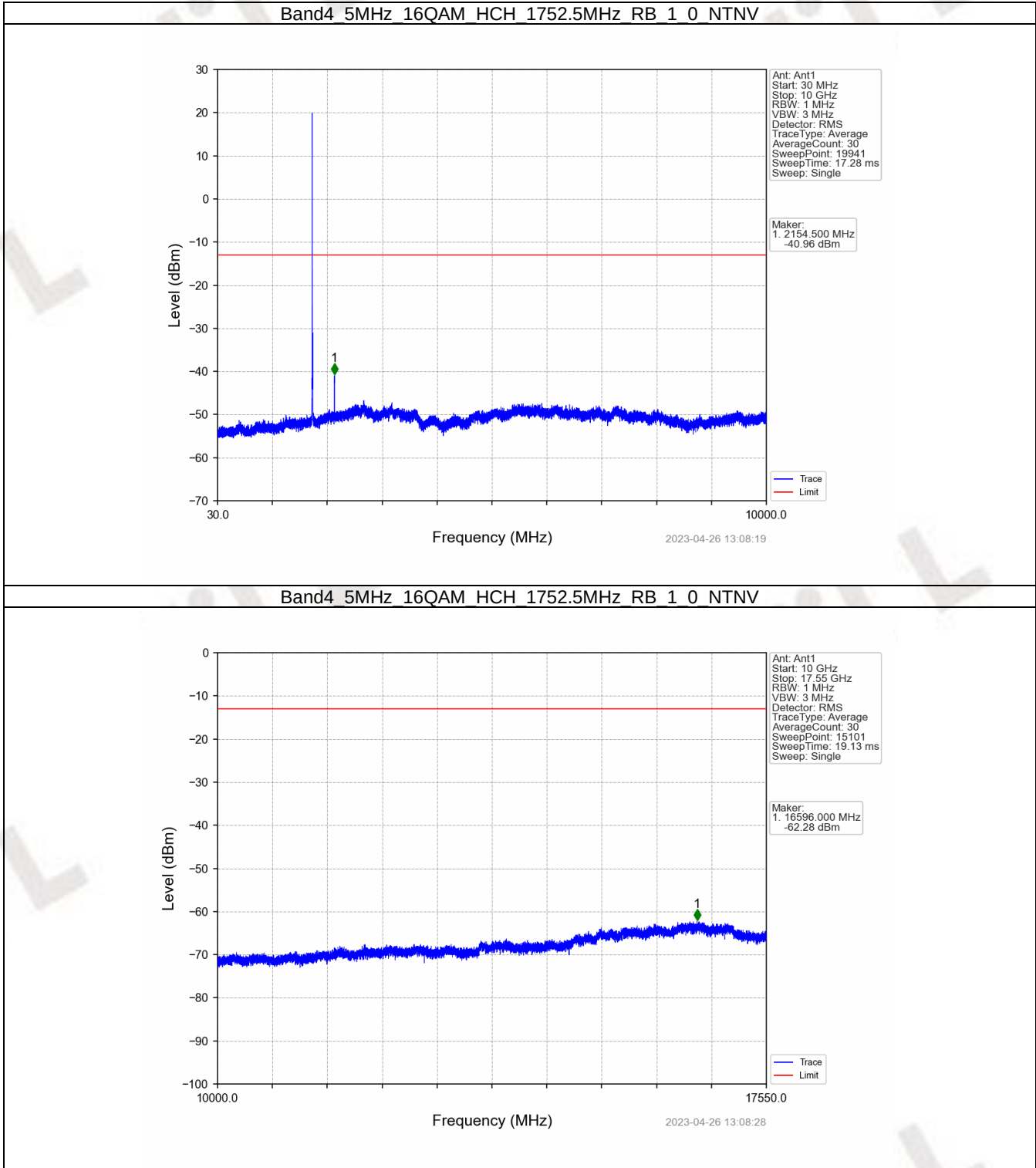


Band4 5MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV

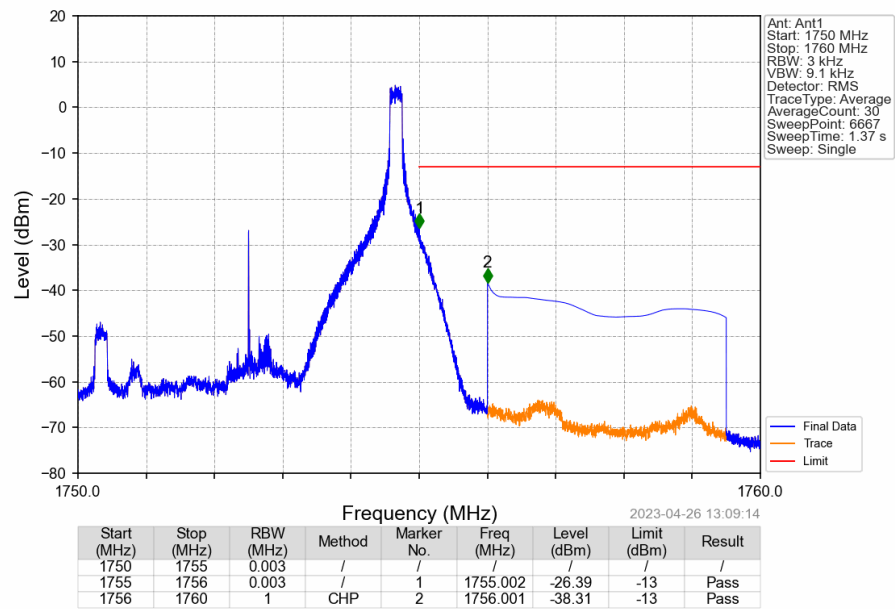


Band4 5MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV

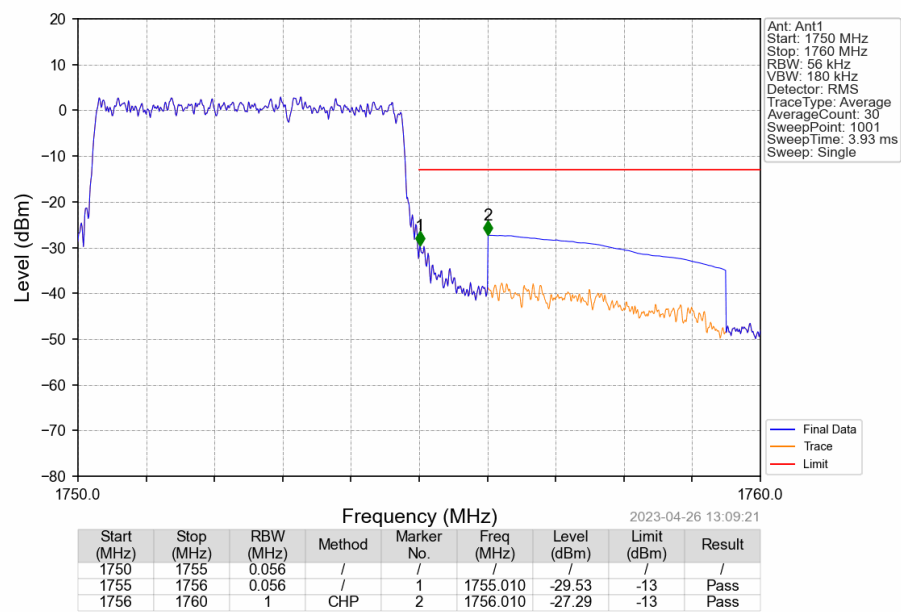




Band4 5MHz 16QAM HCH 1752.5MHz RB 1 24 NTNV



Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV

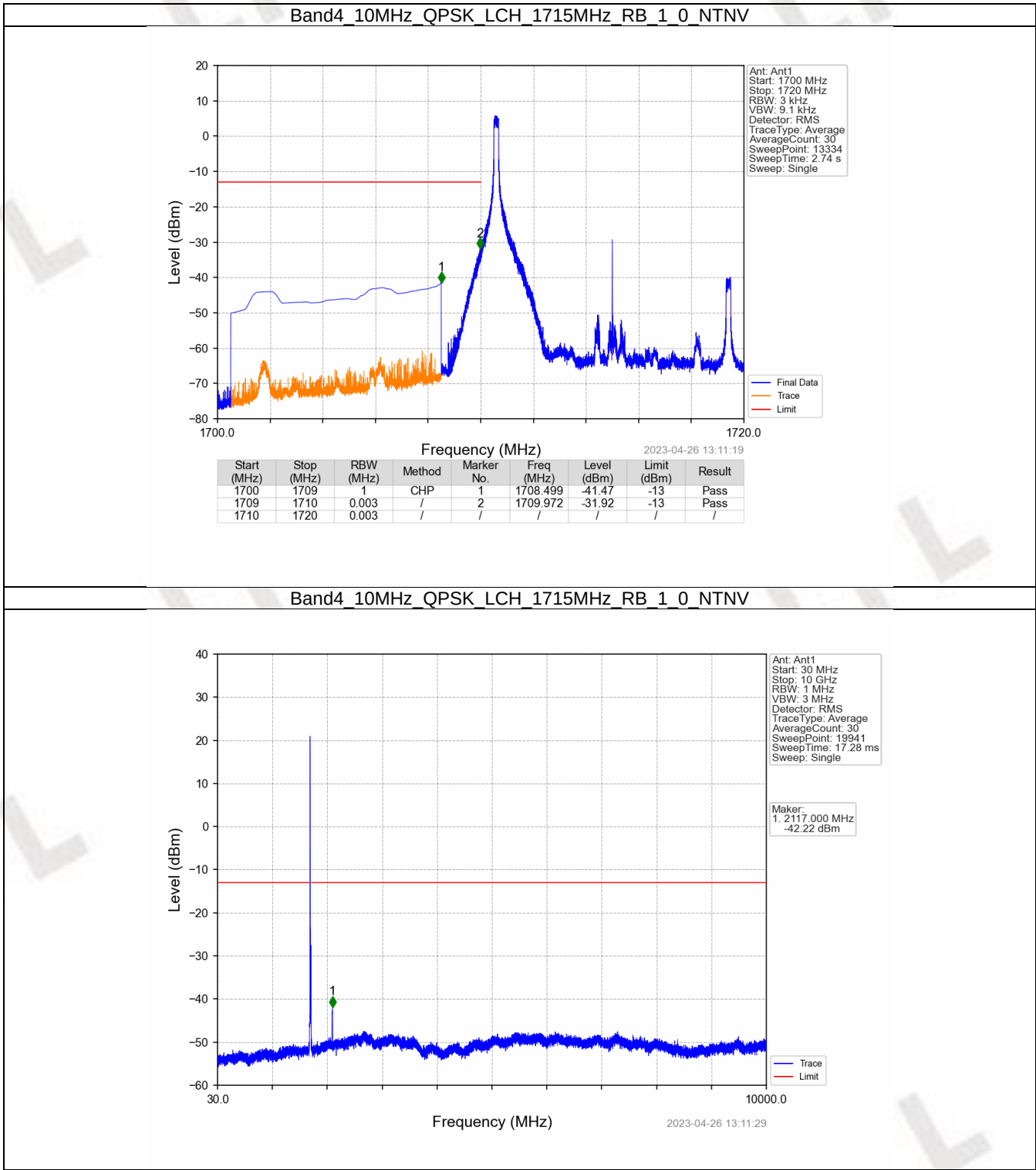


6.4 B4_10MHz

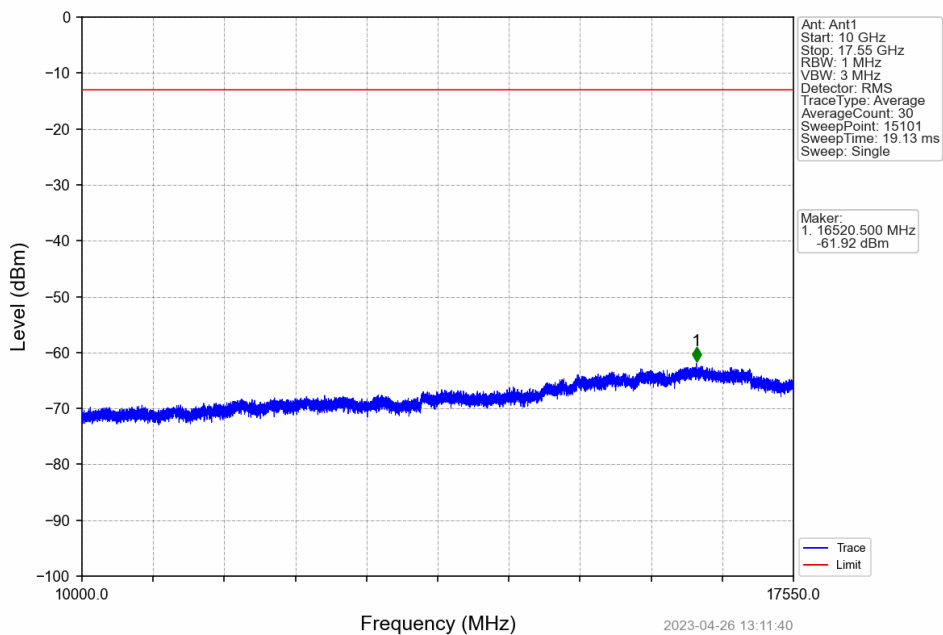
6.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
16QAM	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

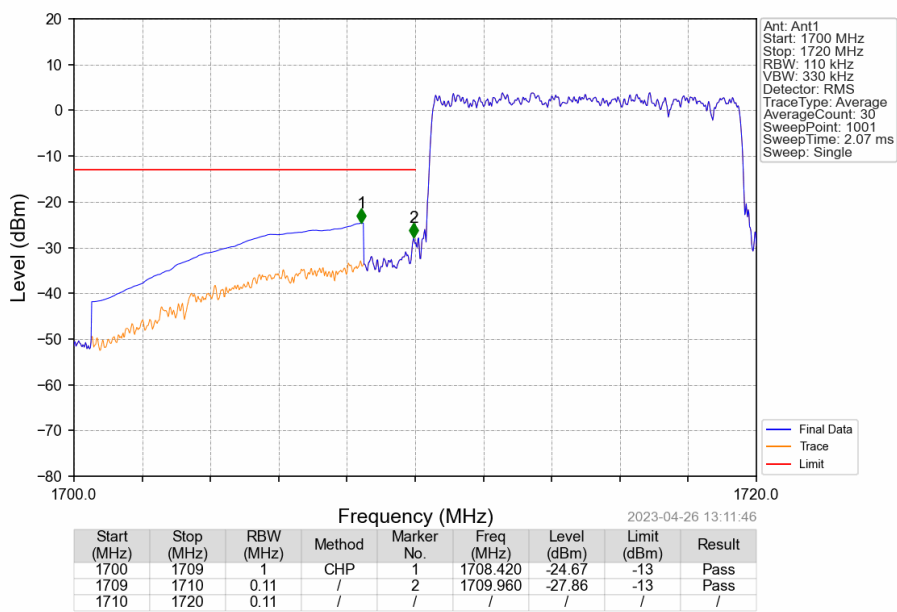
6.4.2 Test Graph

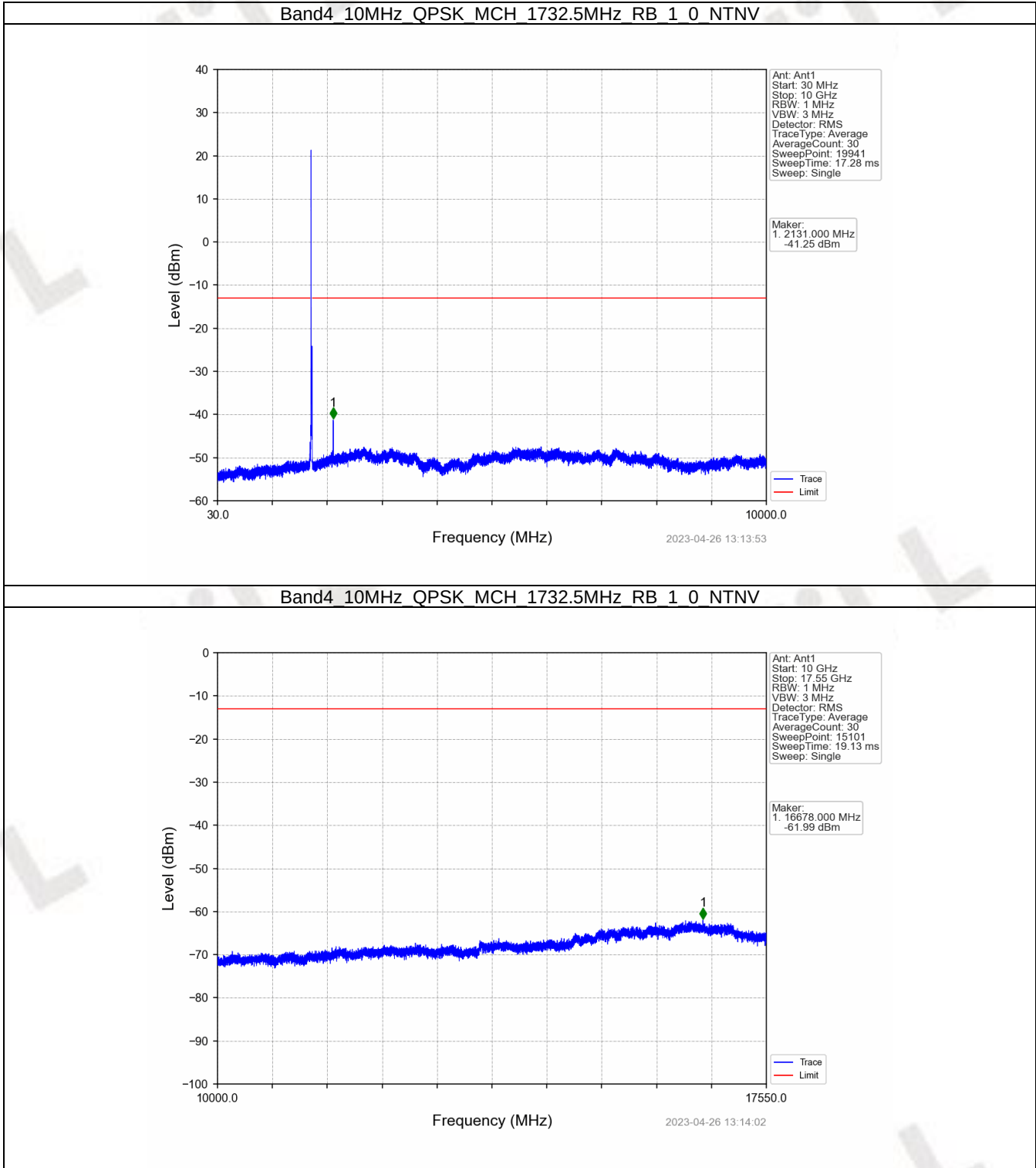


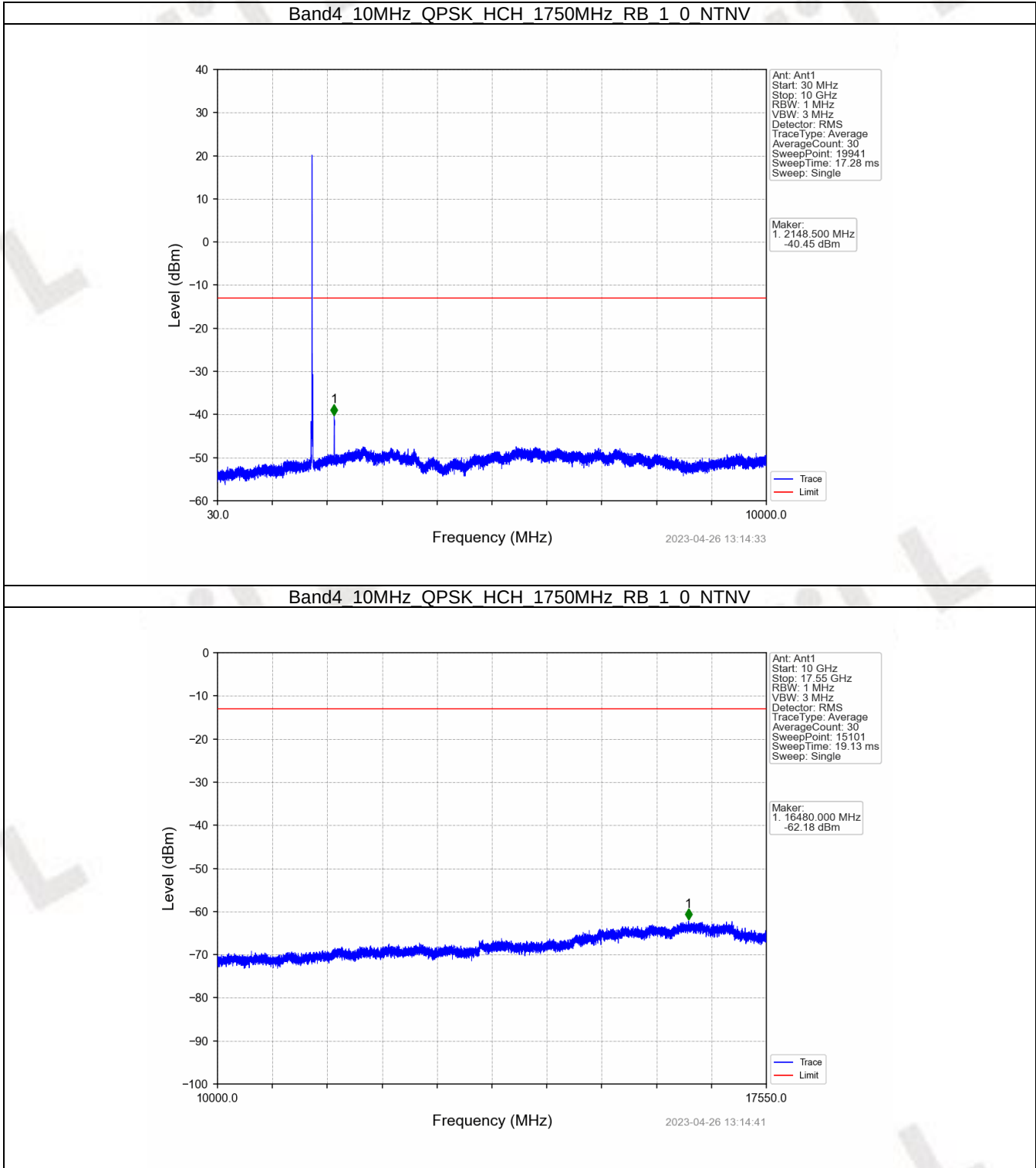
Band4 10MHz QPSK LCH 1715MHz RB 1 0 NTN



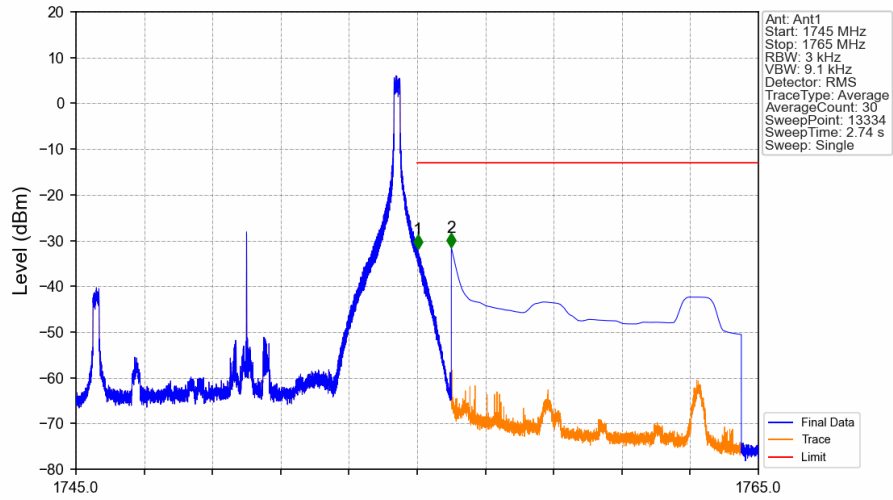
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTN



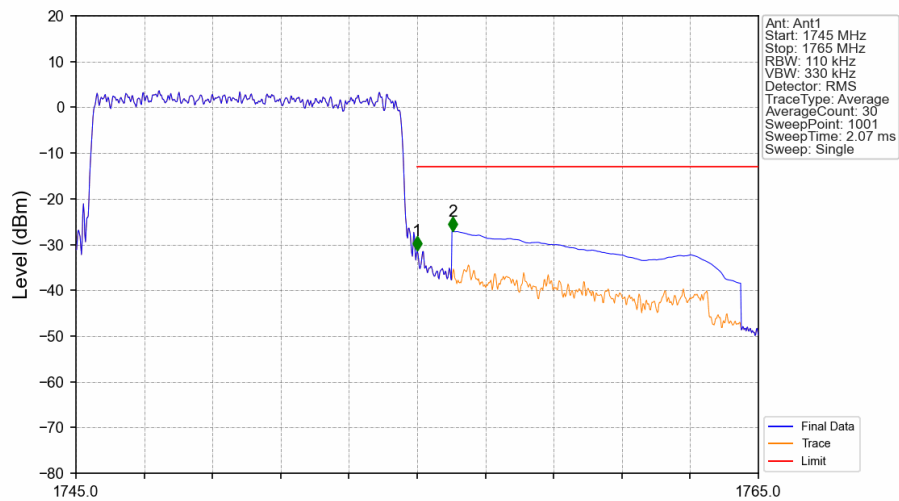




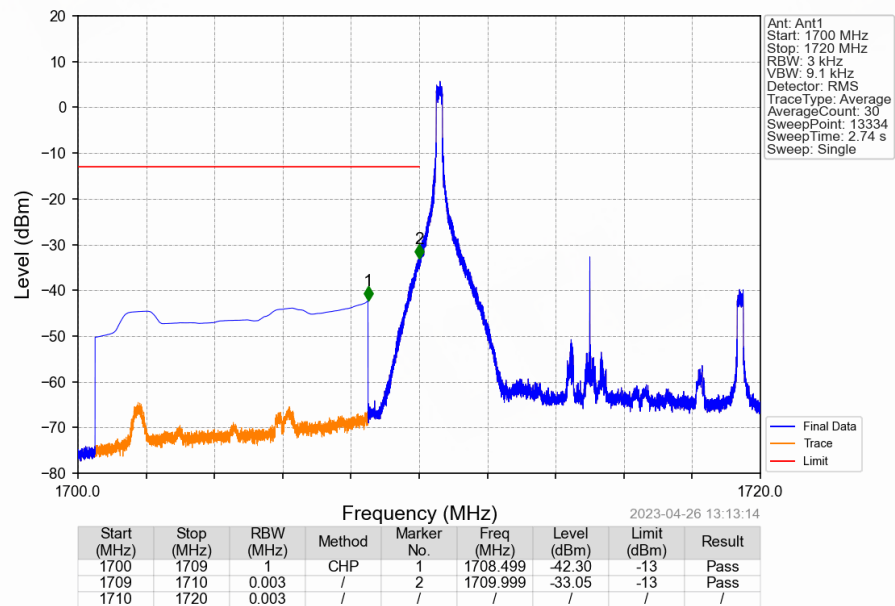
Band4 10MHz QPSK HCH 1750MHz RB 1 49 NTNV



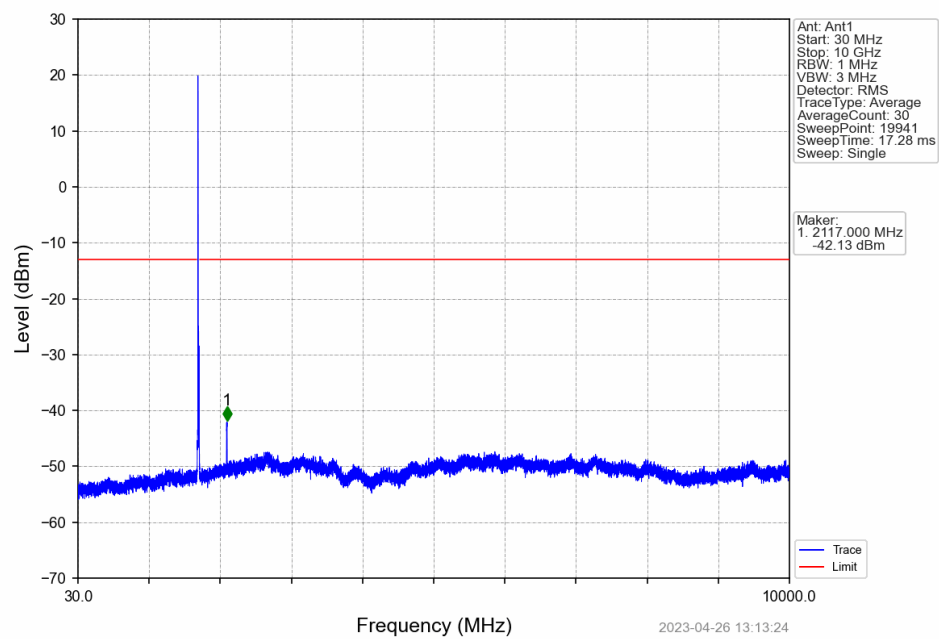
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



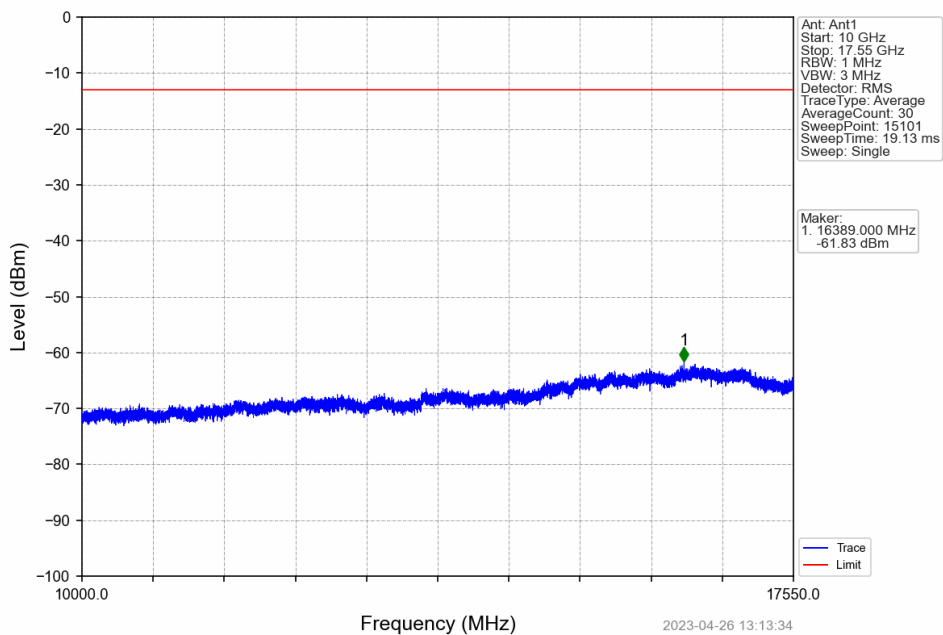
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV



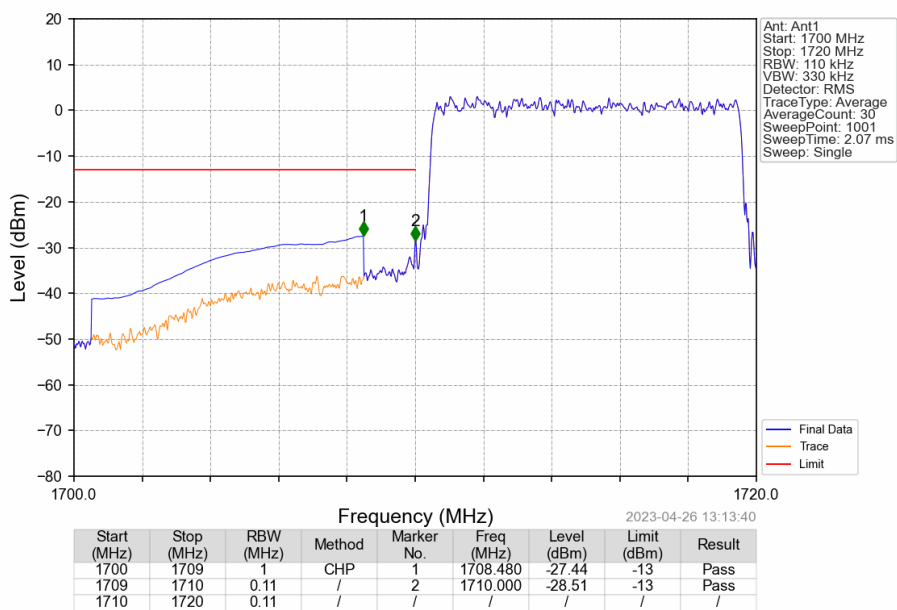
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV

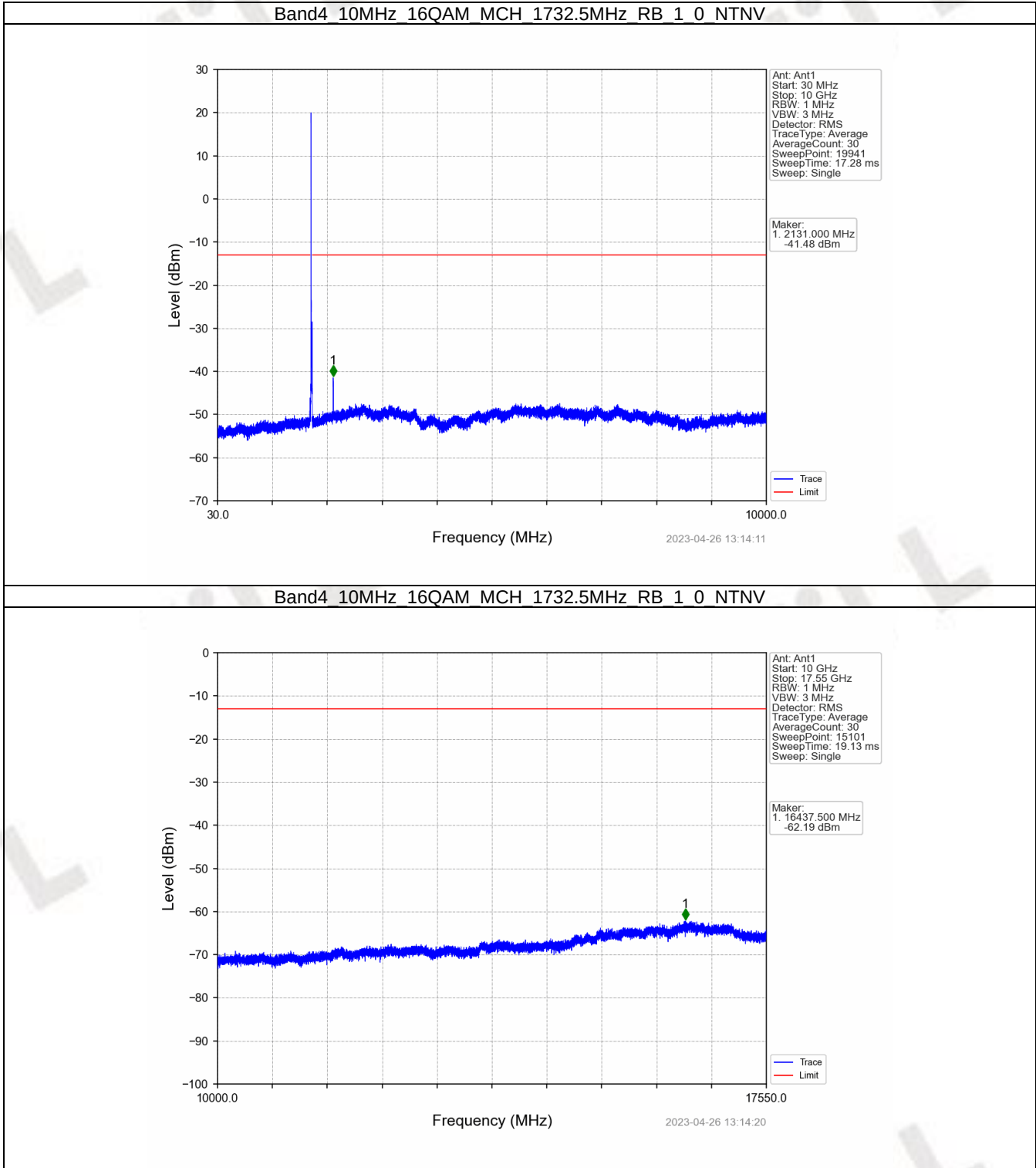


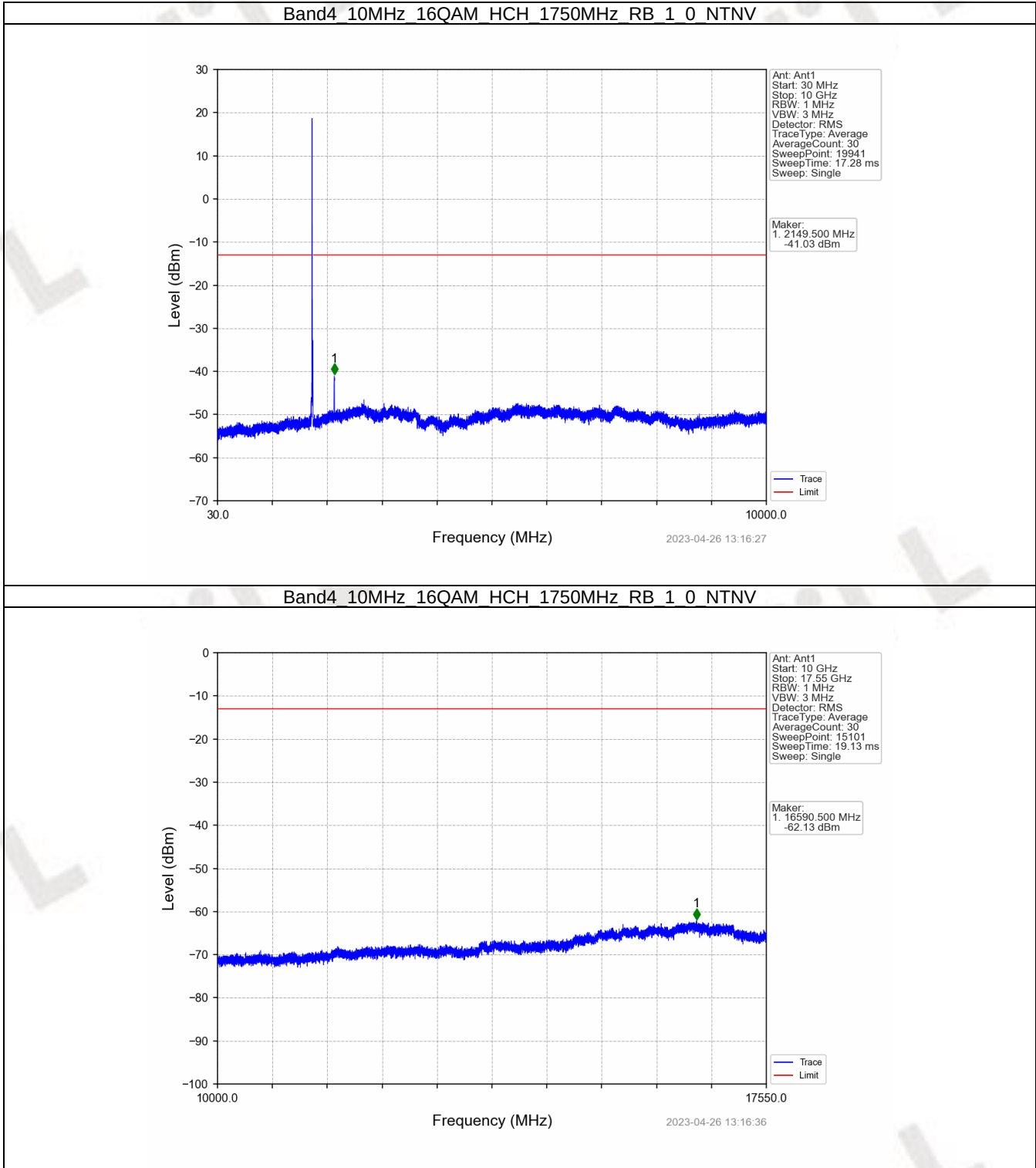
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV



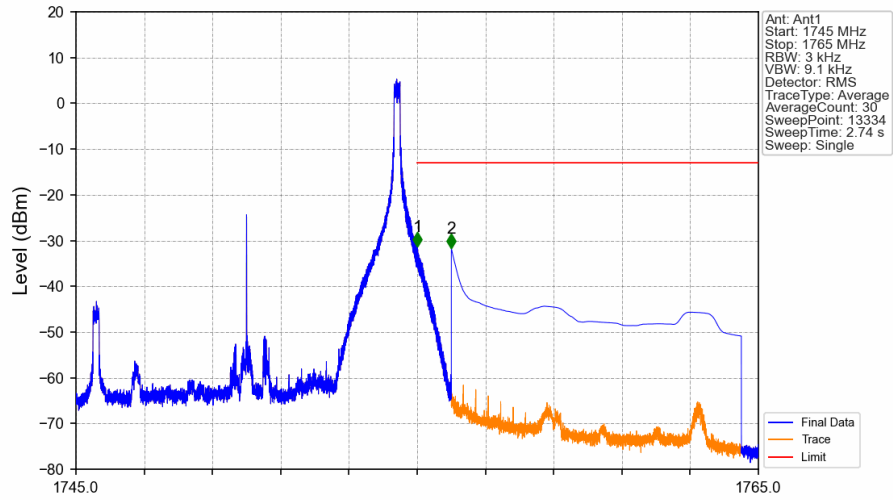
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV



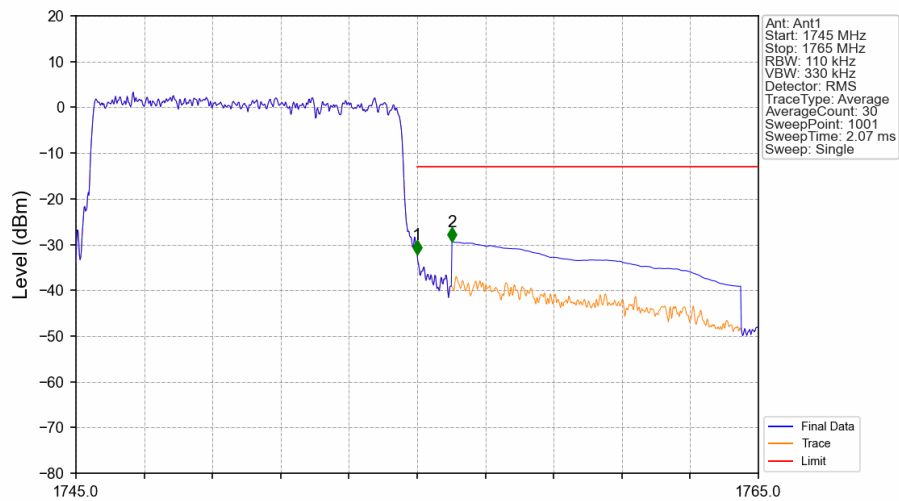




Band4 10MHz 16QAM HCH 1750MHz RB 1 49 NTNV



Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTNV

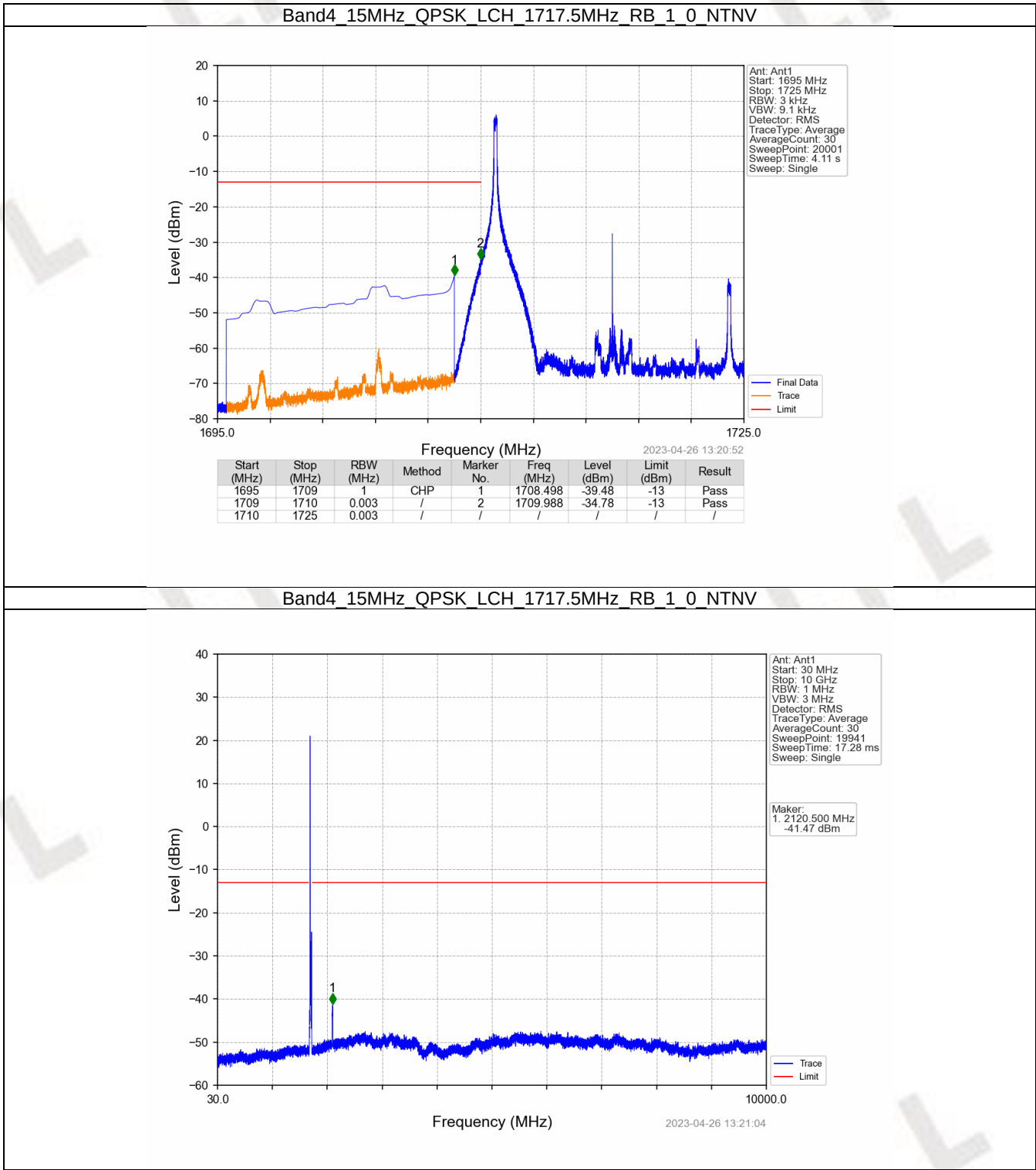


6.5 B4_15MHz

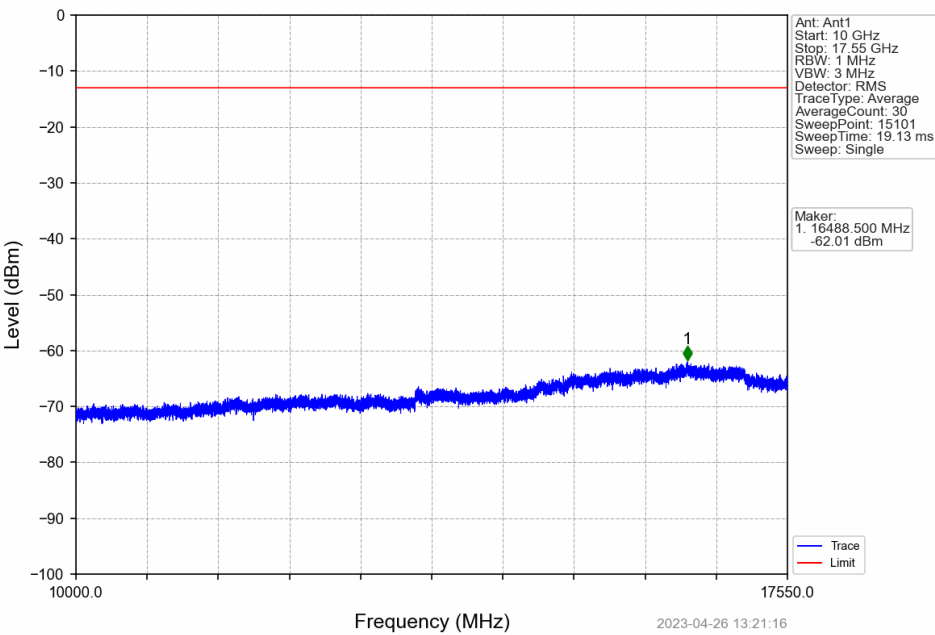
6.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
16QAM	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

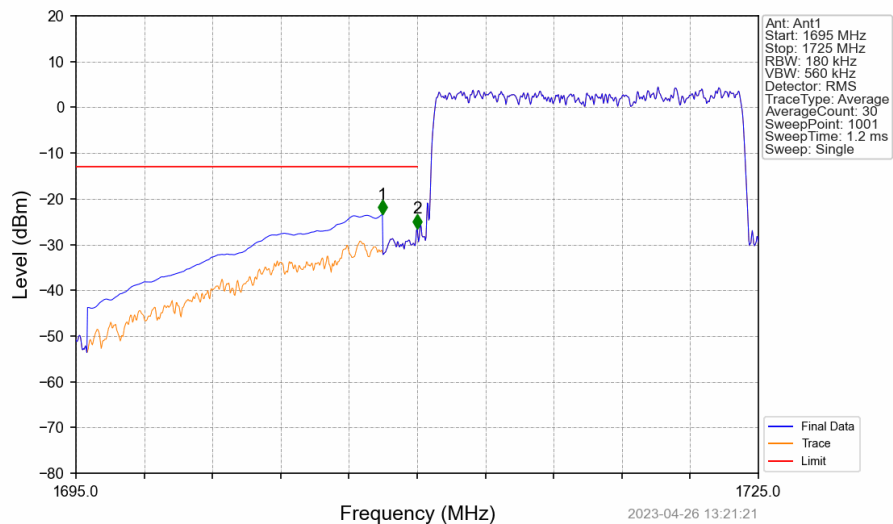
6.5.2 Test Graph



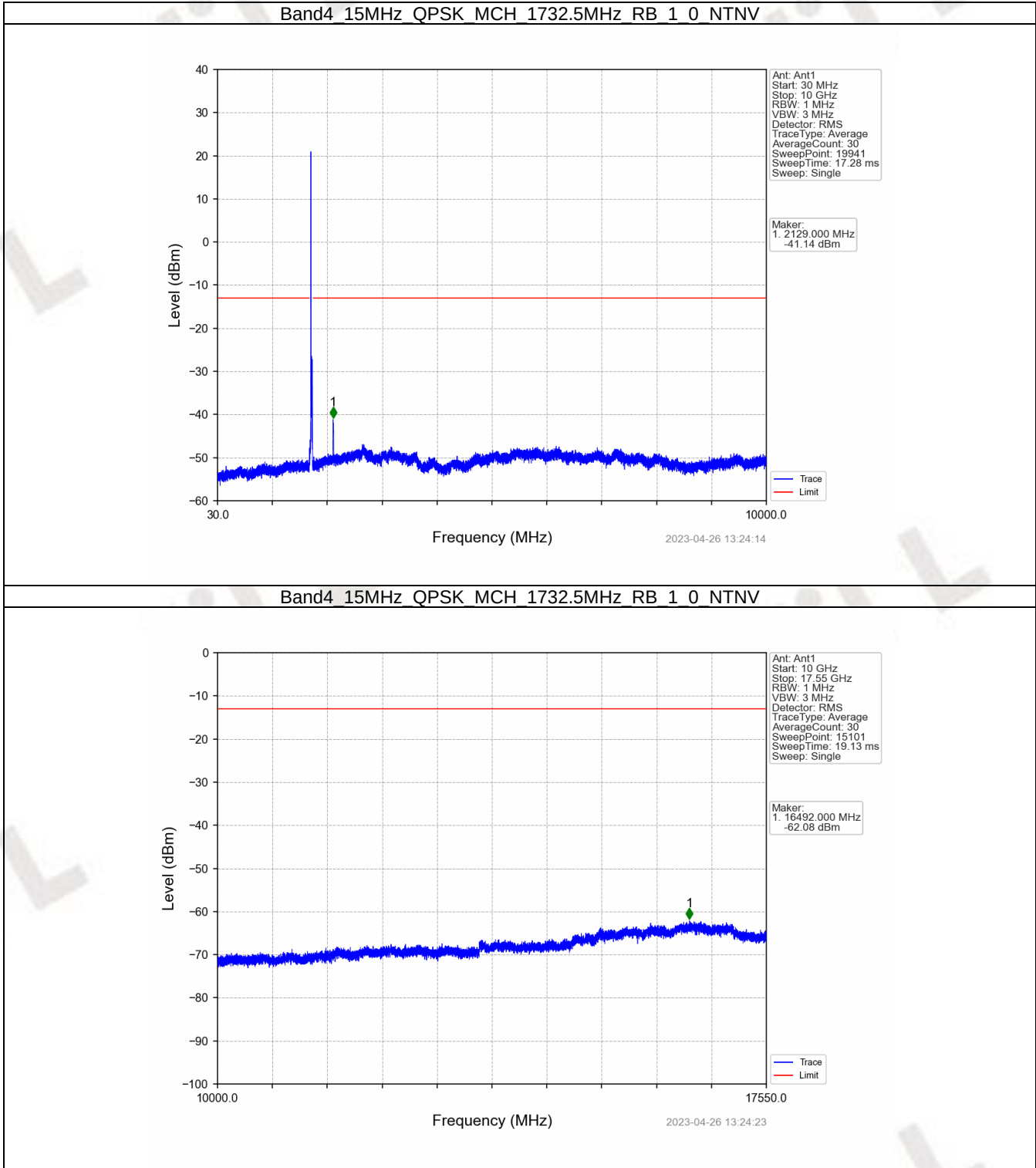
Band4 15MHz QPSK LCH 1717.5MHz RB 1 0 NTNV

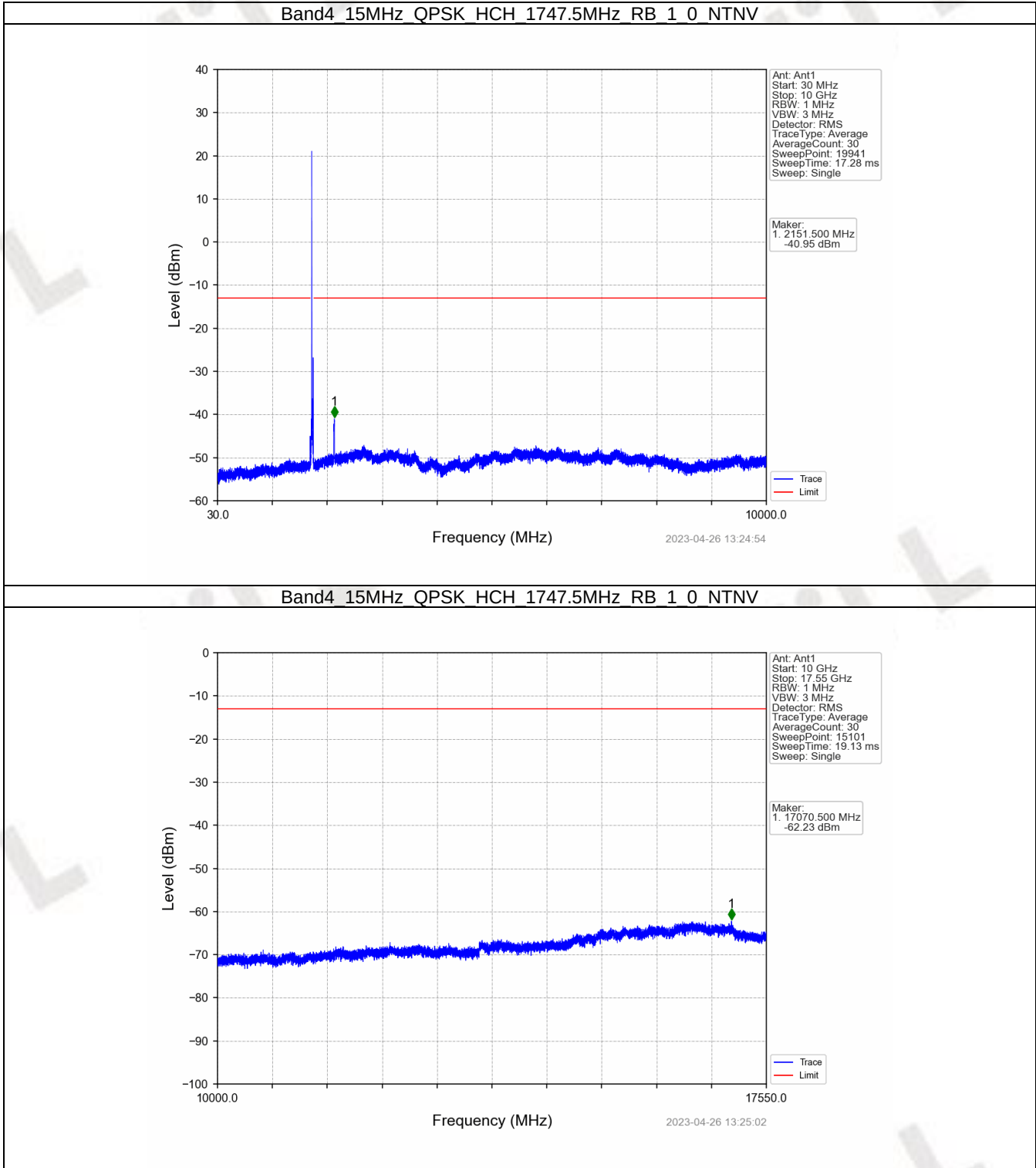


Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV

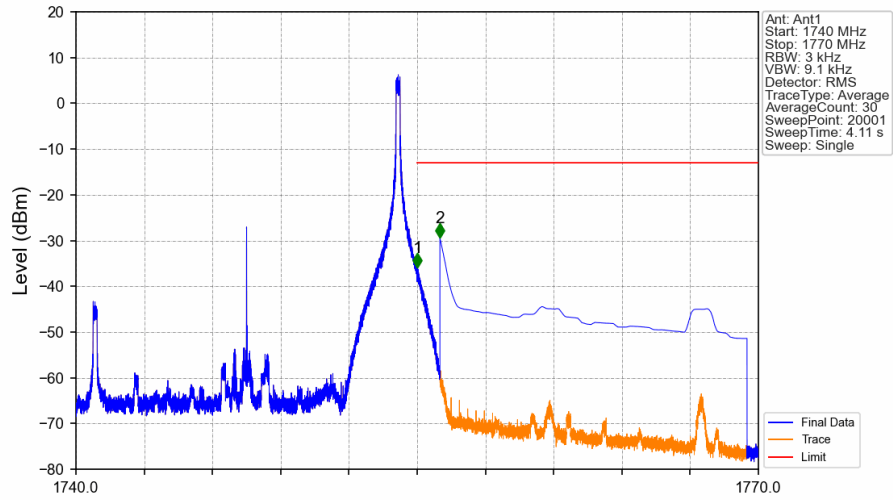


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.470	-23.42	-13	Pass
1709	1710	0.18	/	2	1710.000	-26.47	-13	Pass
1710	1725	0.18	/	/	/	/	/	/

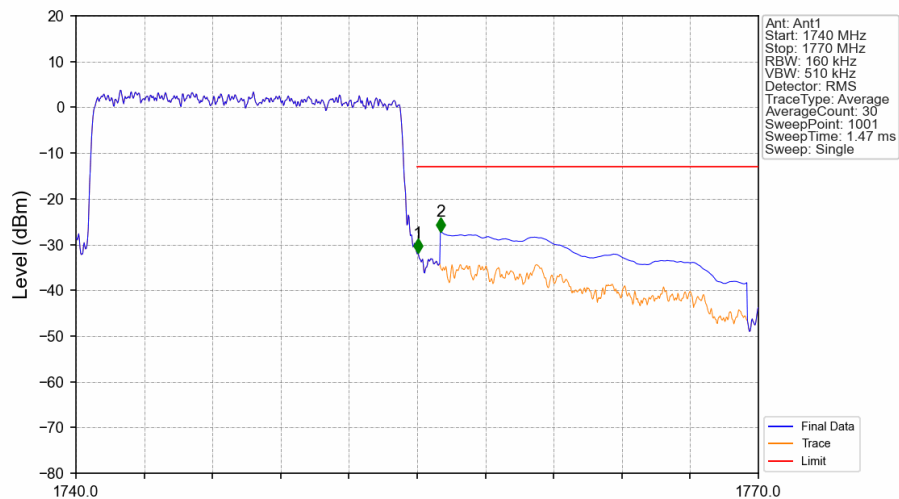




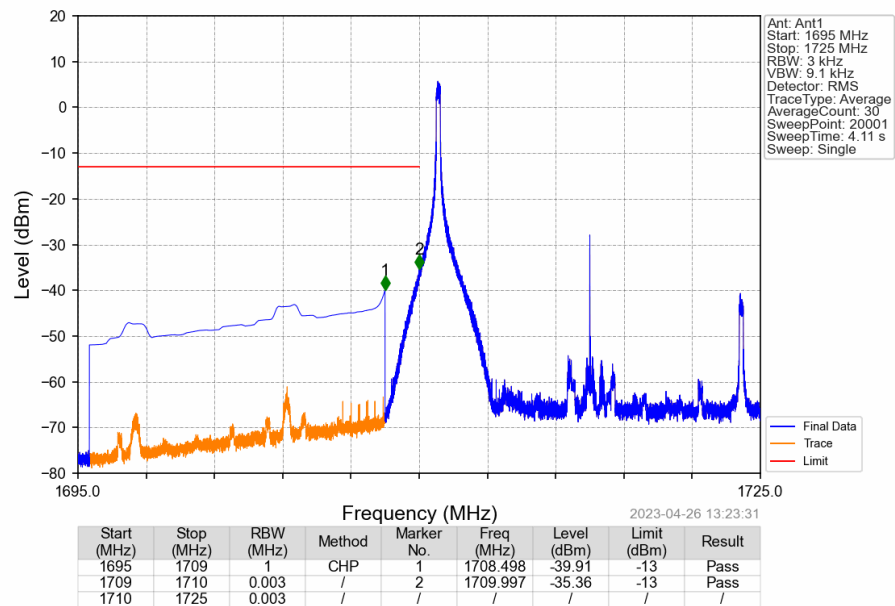
Band4 15MHz QPSK HCH 1747.5MHz RB 1 74 NTV



Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTV



Band4 15MHz 16QAM LCH 1717.5MHz RB 1 0 NTNV



Band4 15MHz 16QAM LCH 1717.5MHz RB 1 0 NTNV

