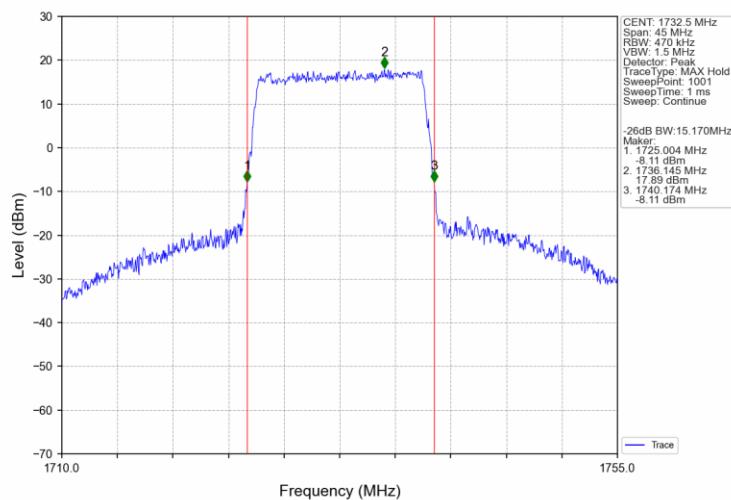
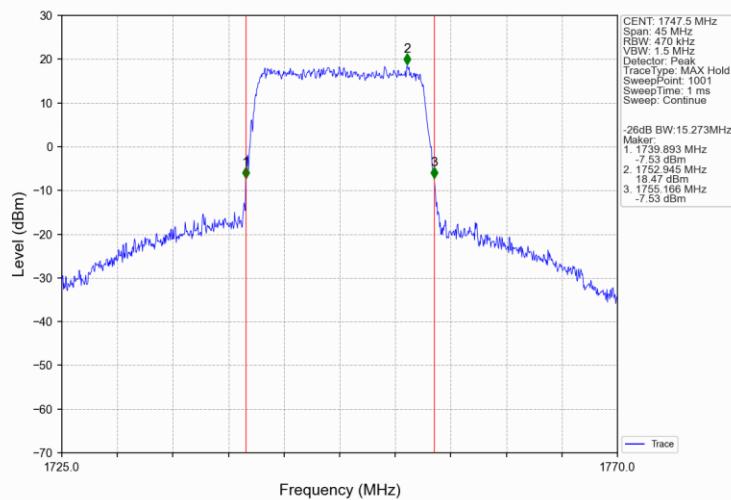
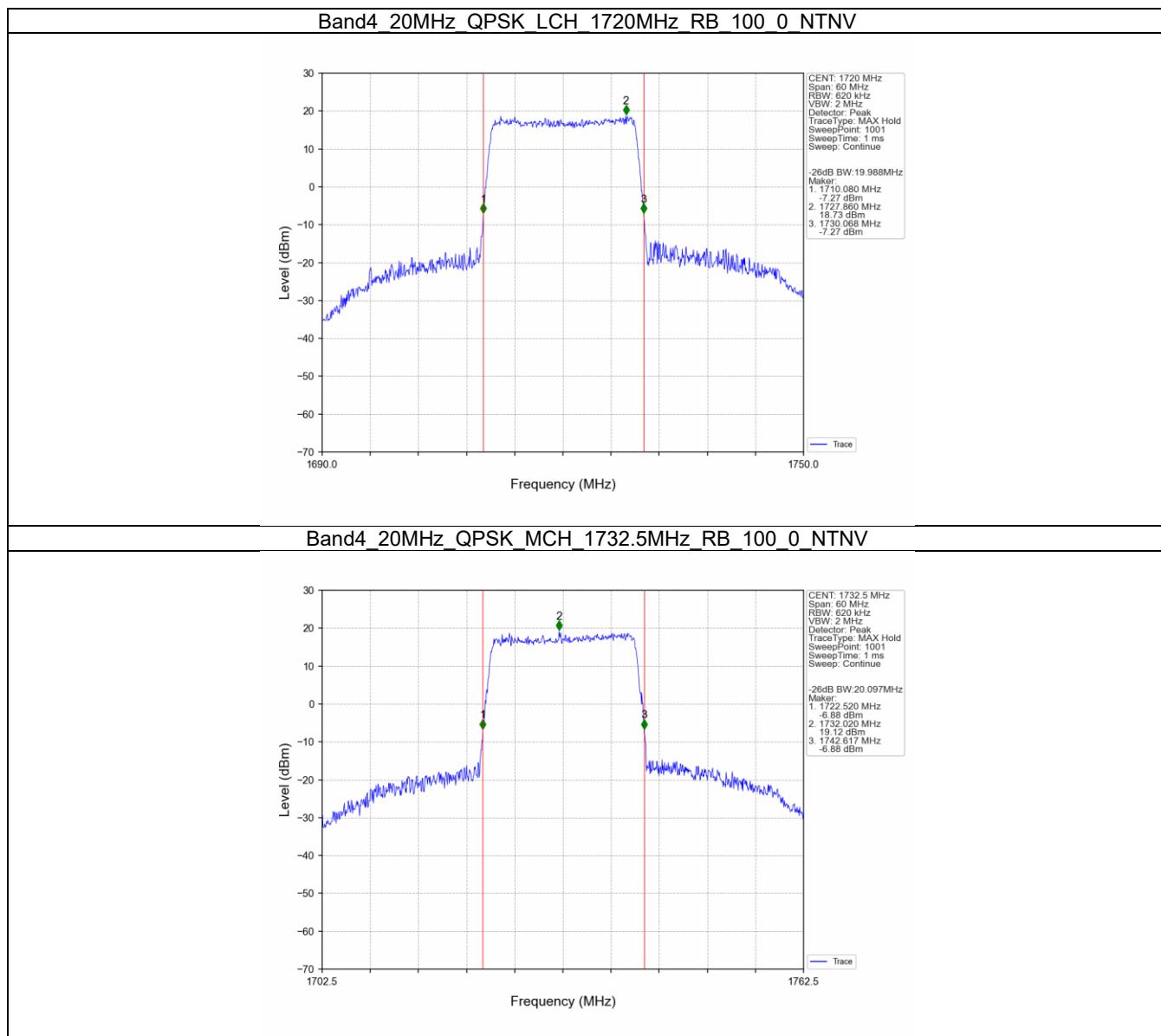


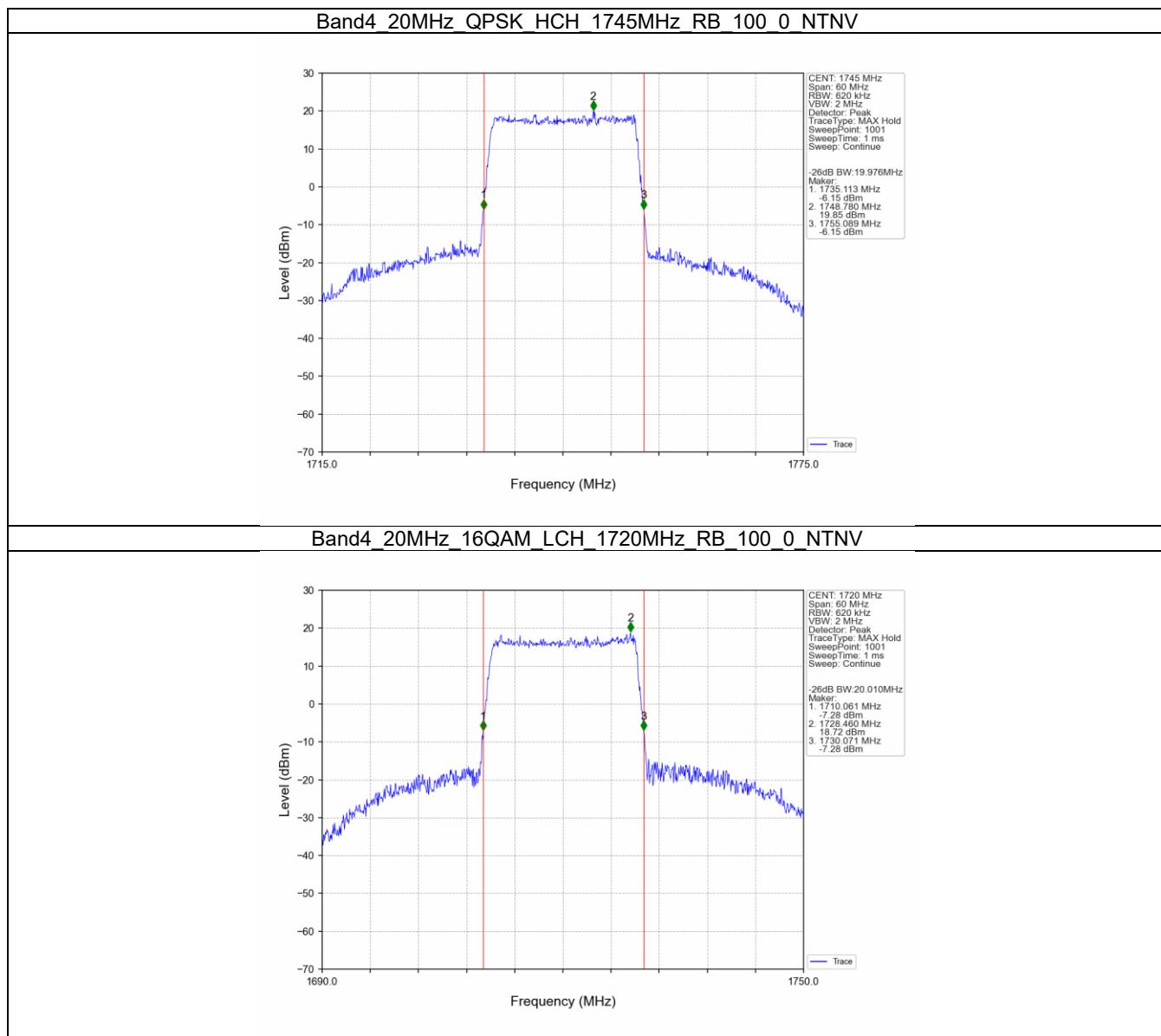
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



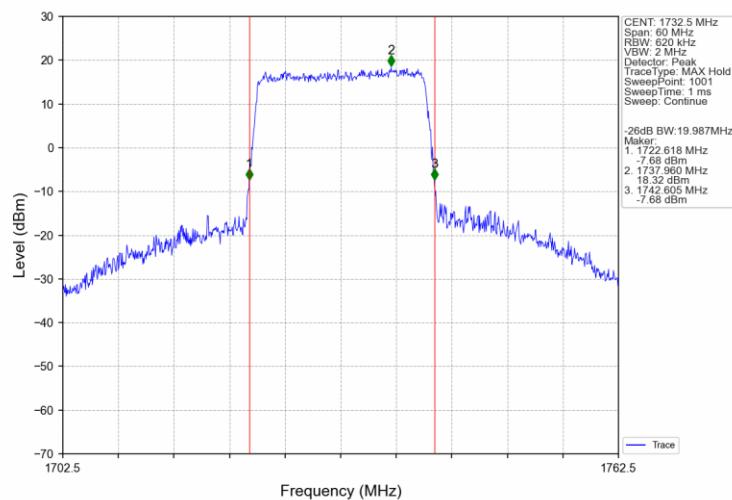
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



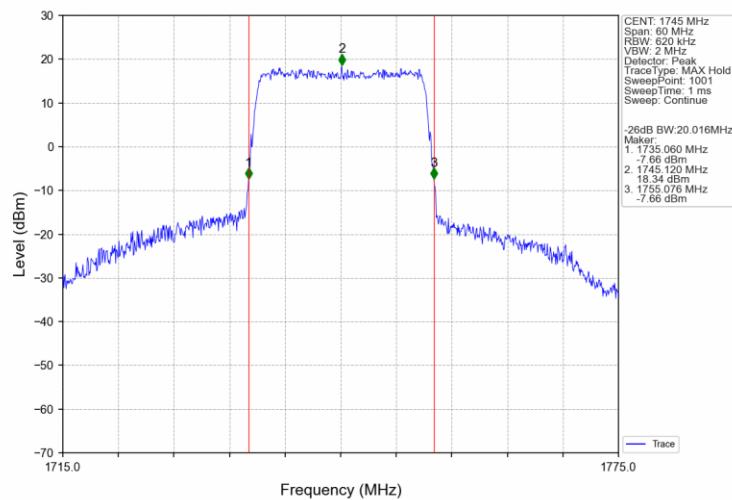




Band4 20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4 20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B4_1.4MHz

Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.86	<=13	Pass
	1732.5	6	0	5.66	<=13	Pass
	1754.3	6	0	5.78	<=13	Pass
16QAM	1710.7	6	0	6.62	<=13	Pass
	1732.5	6	0	6.50	<=13	Pass
	1754.3	6	0	6.64	<=13	Pass

5.1.2 B4_3MHz

Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.86	<=13	Pass
	1732.5	15	0	5.67	<=13	Pass
	1753.5	15	0	5.84	<=13	Pass
16QAM	1711.5	15	0	5.85	<=13	Pass
	1732.5	15	0	5.67	<=13	Pass
	1753.5	15	0	5.84	<=13	Pass

5.1.3 B4_5MHz

Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.83	<=13	Pass
	1732.5	25	0	5.71	<=13	Pass
	1752.5	25	0	5.78	<=13	Pass
16QAM	1712.5	25	0	6.56	<=13	Pass
	1732.5	25	0	6.47	<=13	Pass
	1752.5	25	0	6.52	<=13	Pass

5.1.4 B4_10MHz

Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.87	<=13	Pass
	1732.5	50	0	5.76	<=13	Pass
	1750	50	0	5.75	<=13	Pass
16QAM	1715	50	0	6.62	<=13	Pass
	1732.5	50	0	6.51	<=13	Pass
	1750	50	0	6.52	<=13	Pass

5.1.5 B4_15MHz

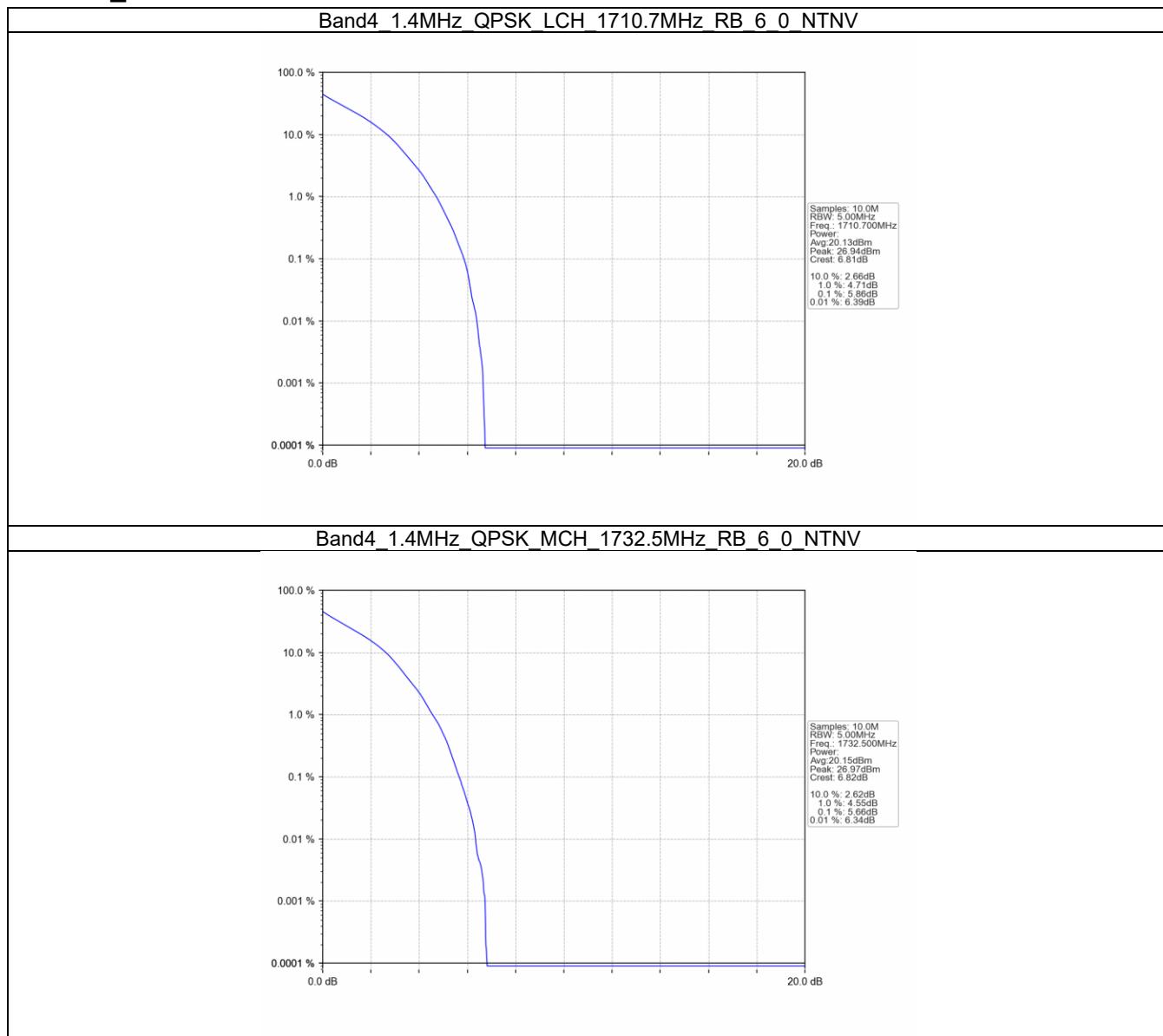
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.35	<=13	Pass
	1732.5	75	0	5.28	<=13	Pass
	1747.5	75	0	5.23	<=13	Pass
16QAM	1717.5	75	0	6.35	<=13	Pass
	1732.5	75	0	6.29	<=13	Pass
	1747.5	75	0	6.27	<=13	Pass

5.1.6 B4_20MHz

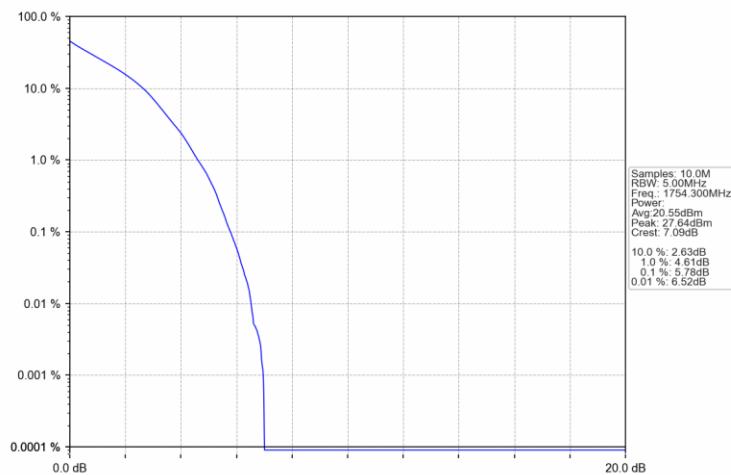
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.63	<=13	Pass
	1732.5	100	0	5.68	<=13	Pass
	1745	100	0	5.68	<=13	Pass
16QAM	1720	100	0	6.67	<=13	Pass
	1732.5	100	0	6.62	<=13	Pass
	1745	100	0	6.59	<=13	Pass

5.2 Test Graph

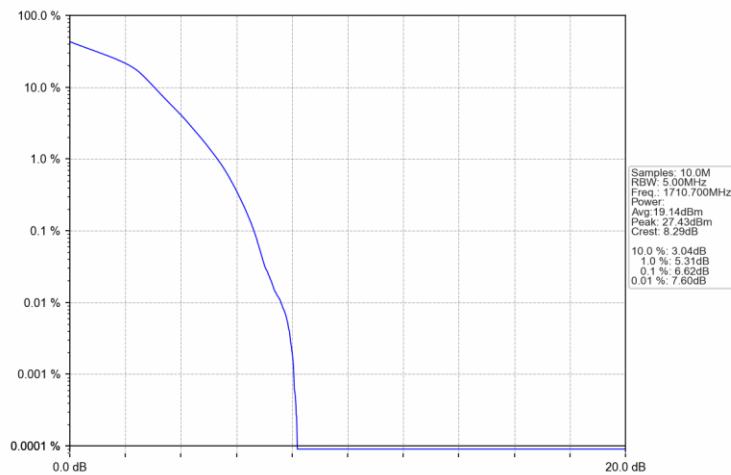
5.2.1 B4_1.4MHz



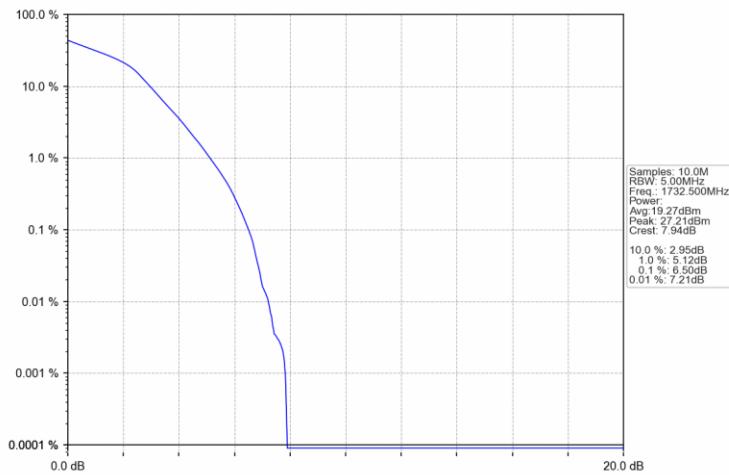
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



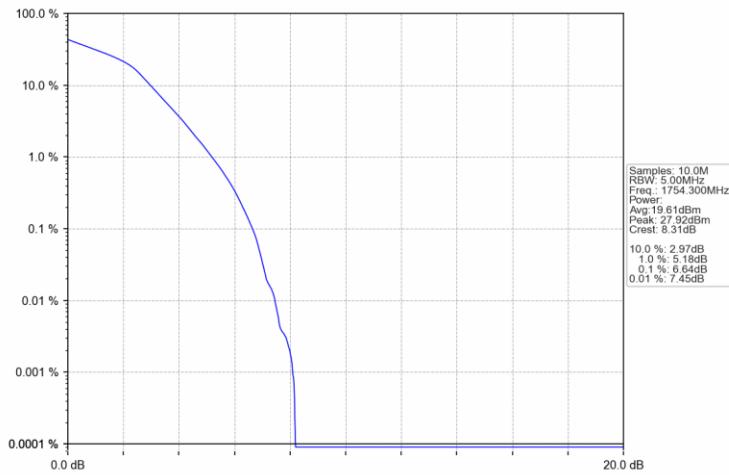
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



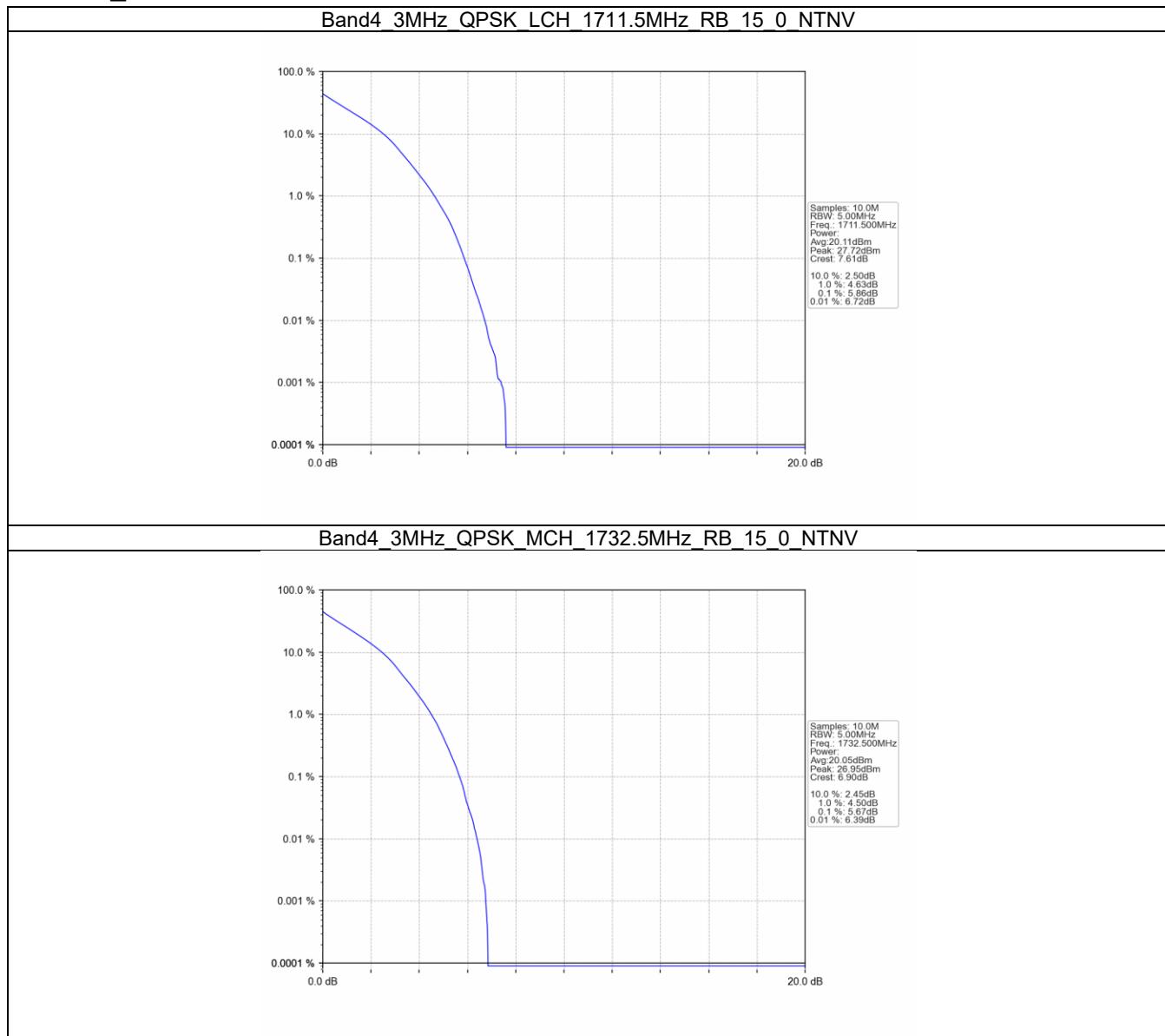
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTV



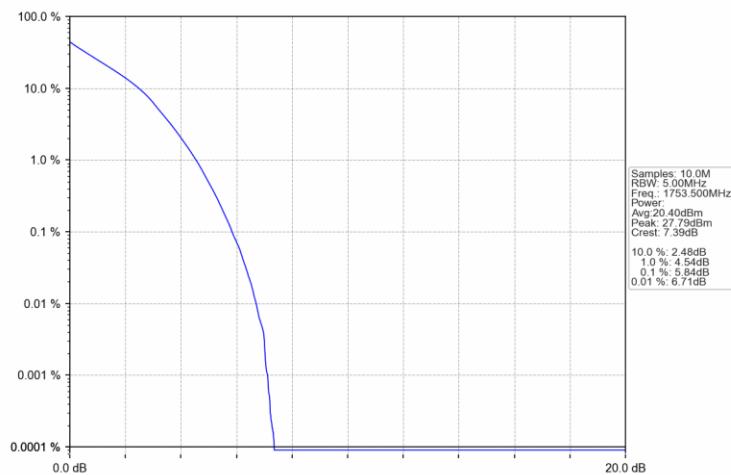
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTV



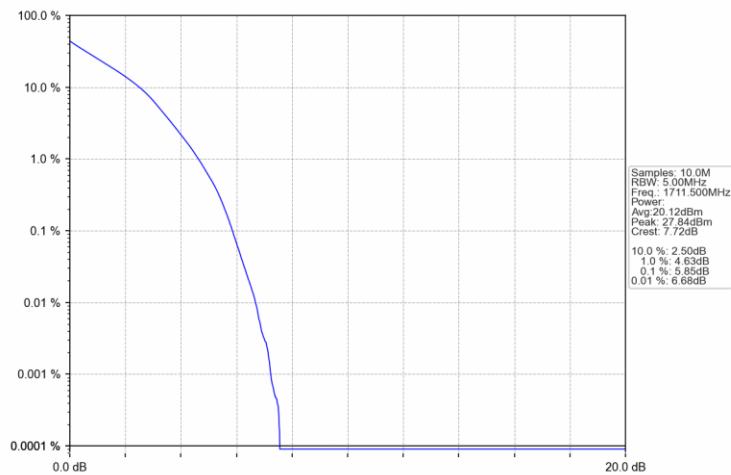
5.2.2 B4_3MHz



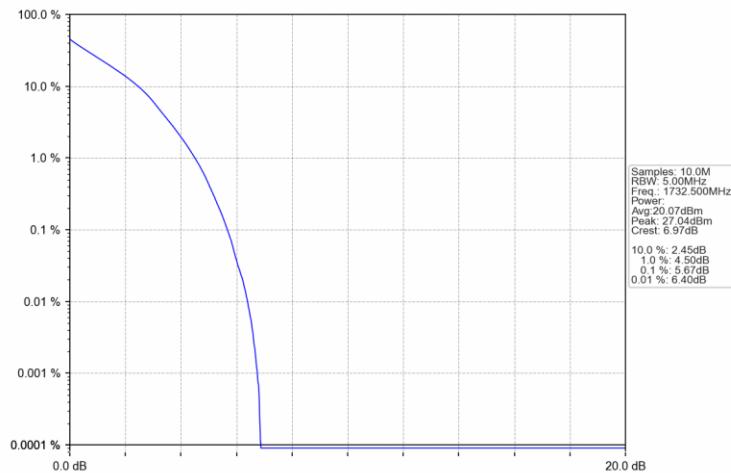
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



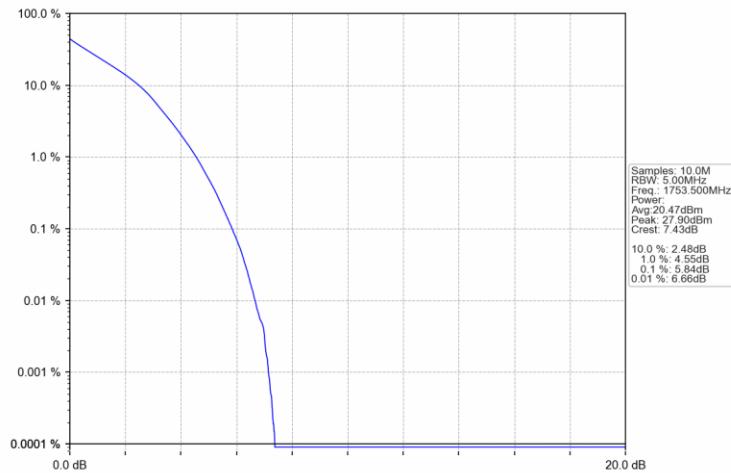
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



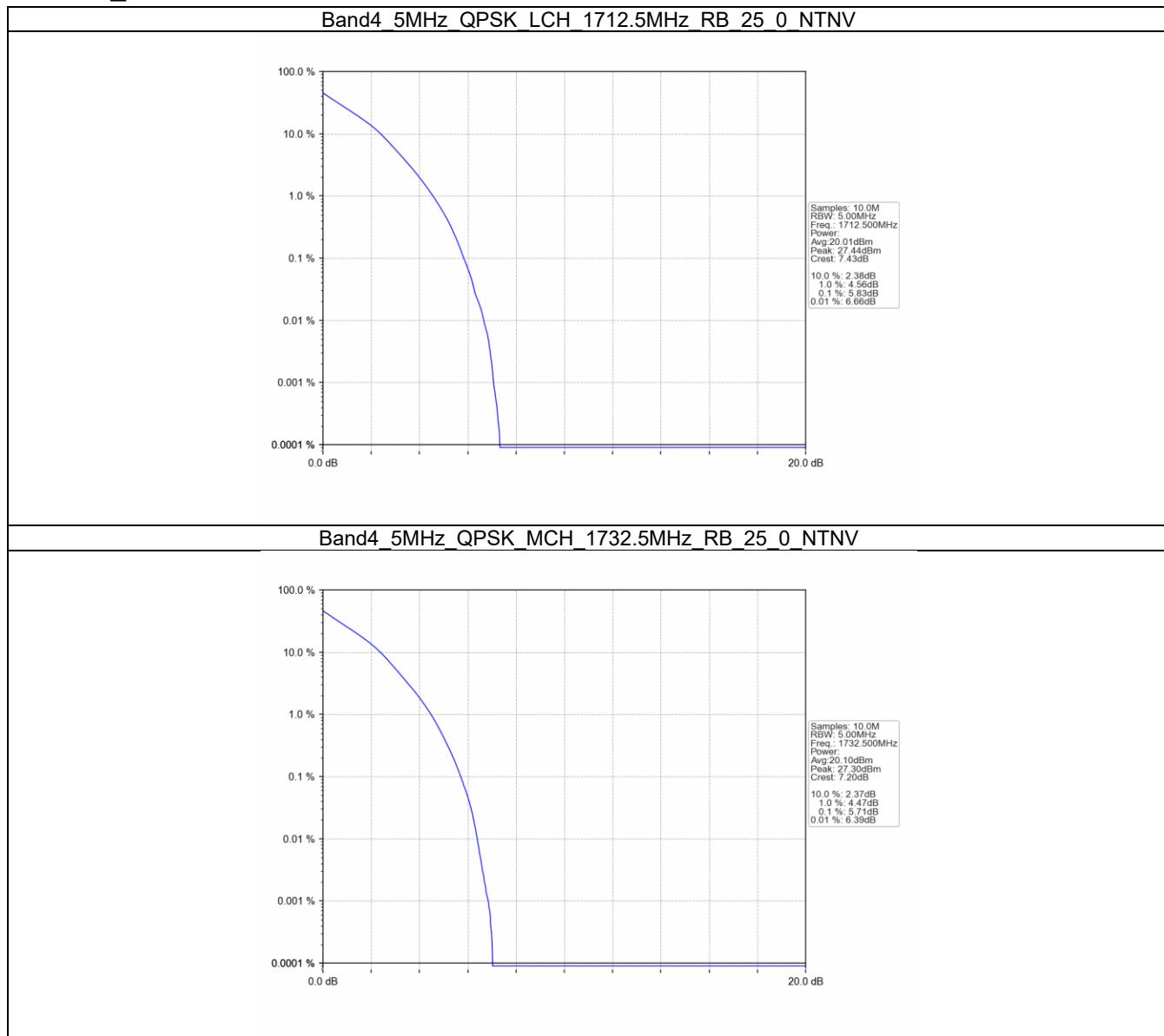
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTVN



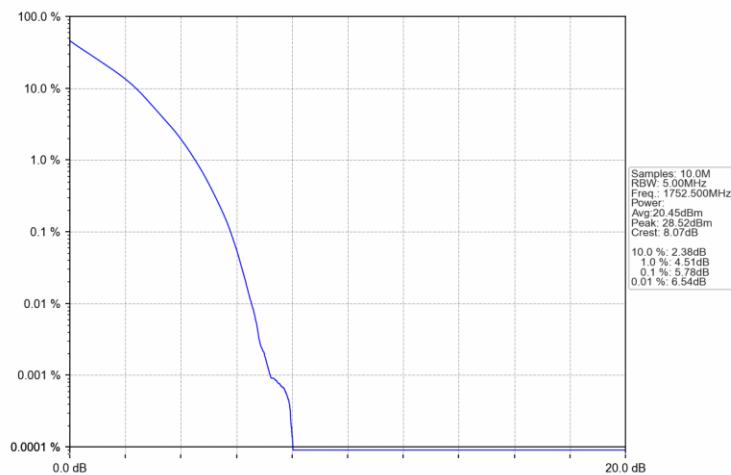
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTVN



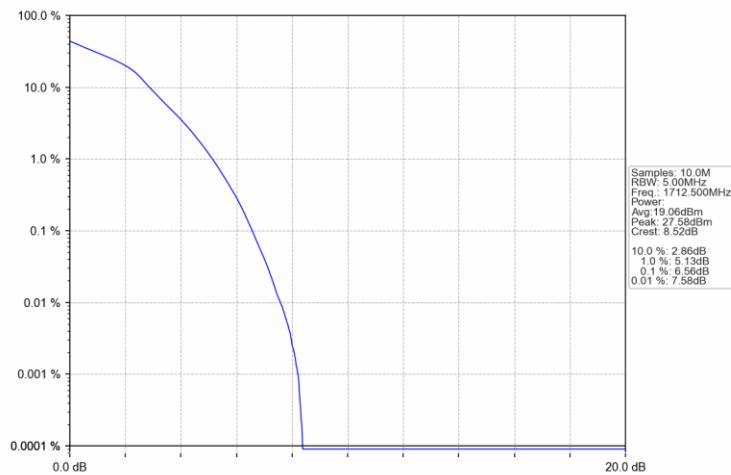
5.2.3 B4_5MHz



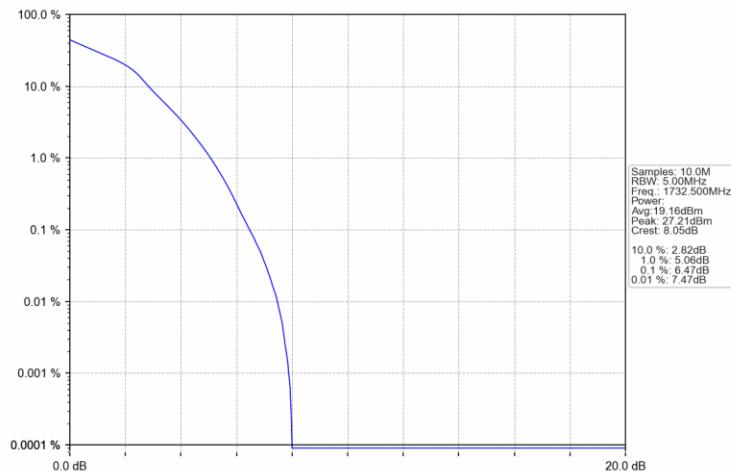
Band4 5MHz QPSK HCH 1752.5MHz RB 25_0 NTV



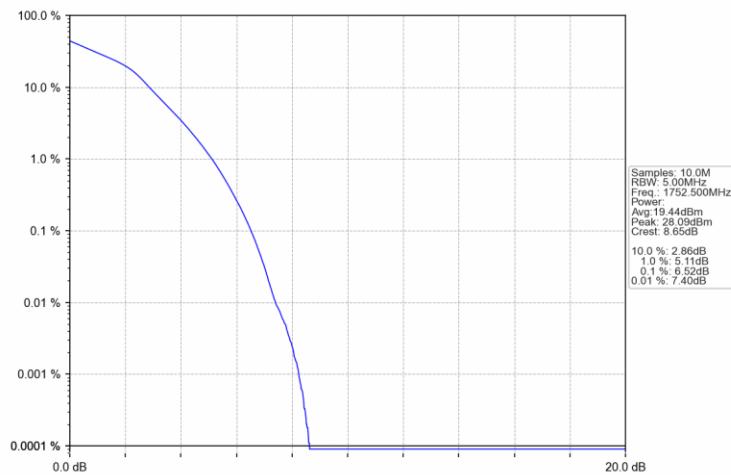
Band4 5MHz 16QAM LCH 1712.5MHz RB 25_0 NTV



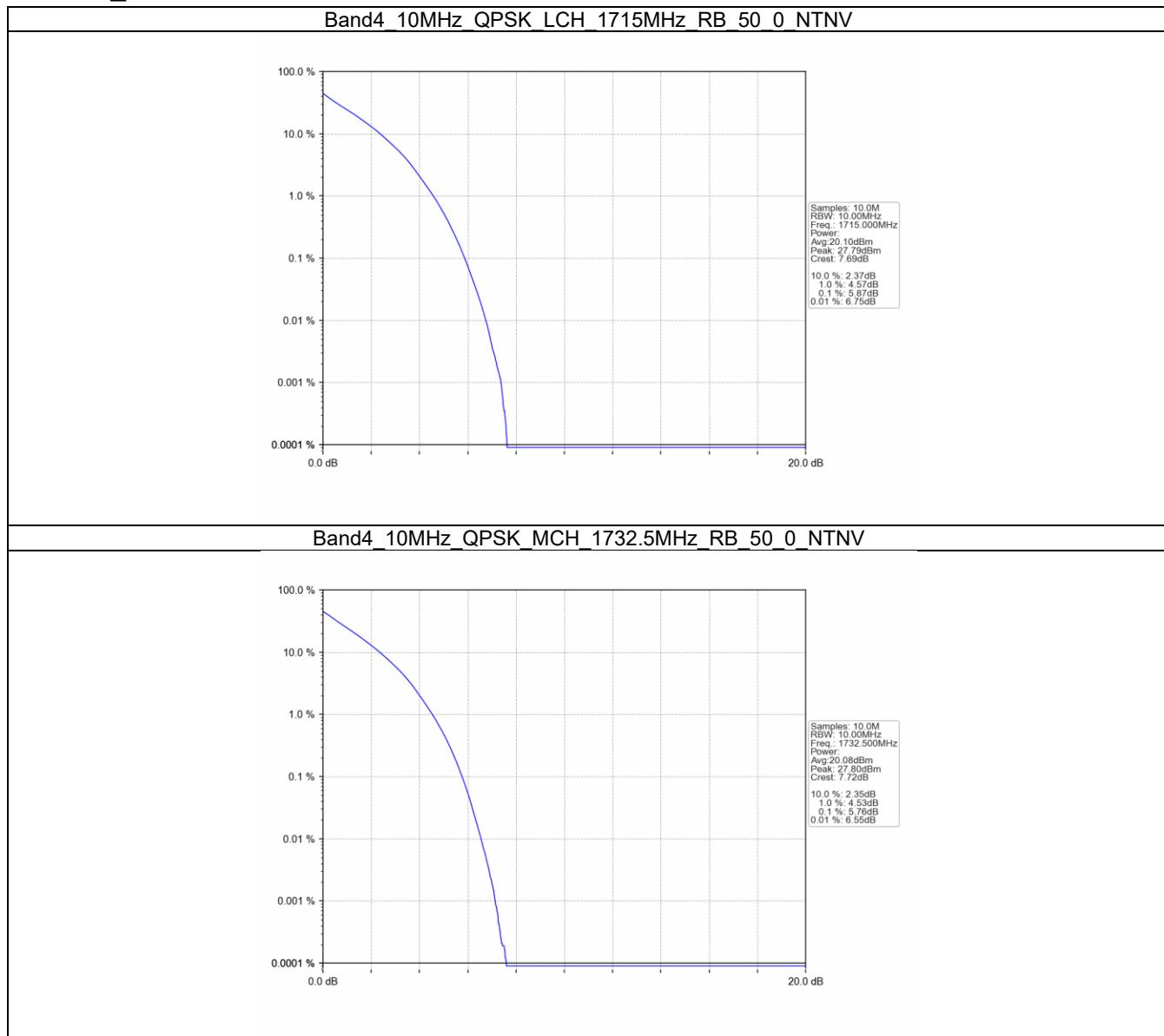
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTVN



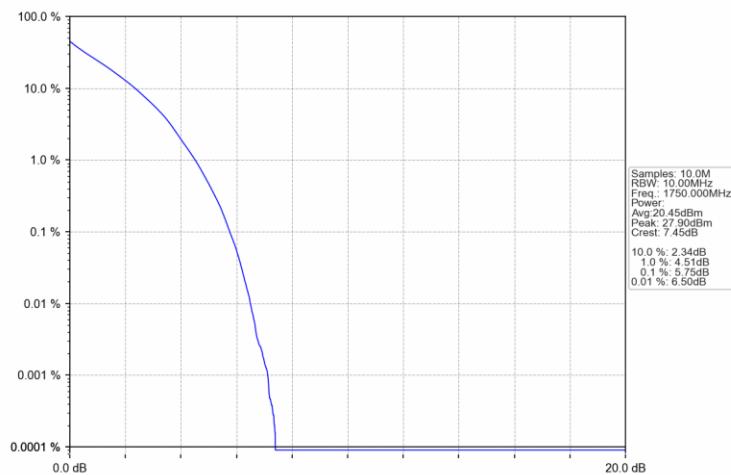
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTVN



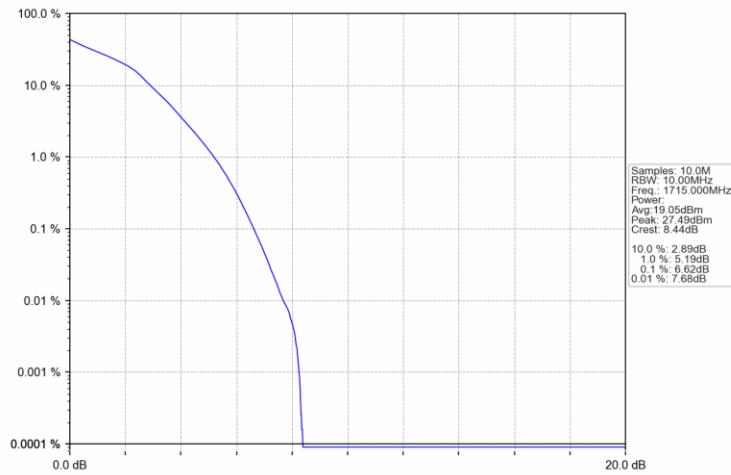
5.2.4 B4_10MHz



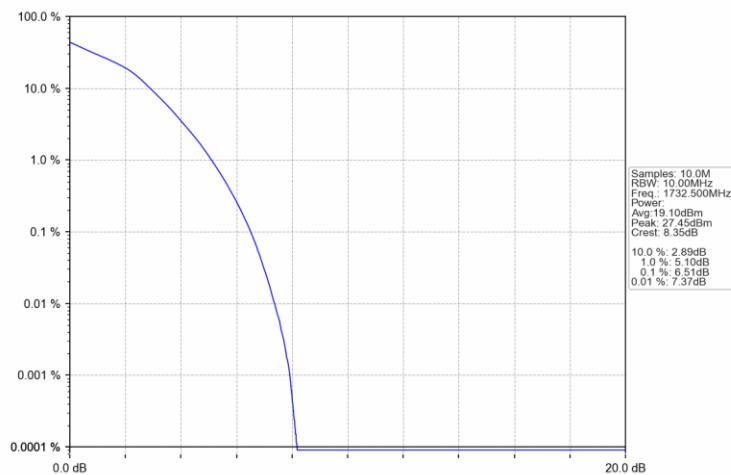
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTV



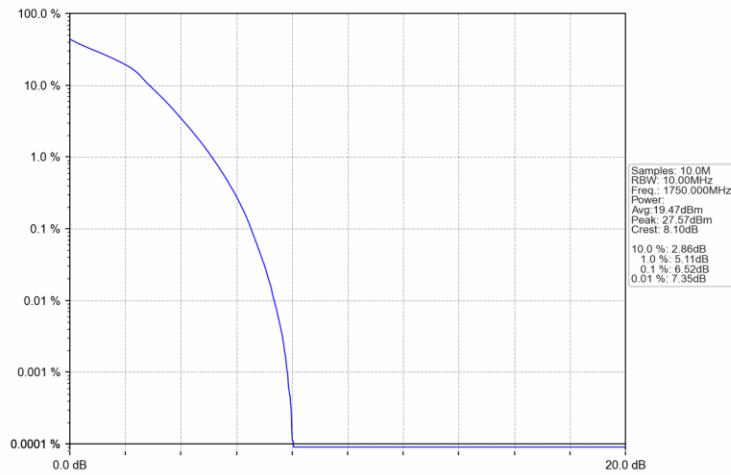
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTV



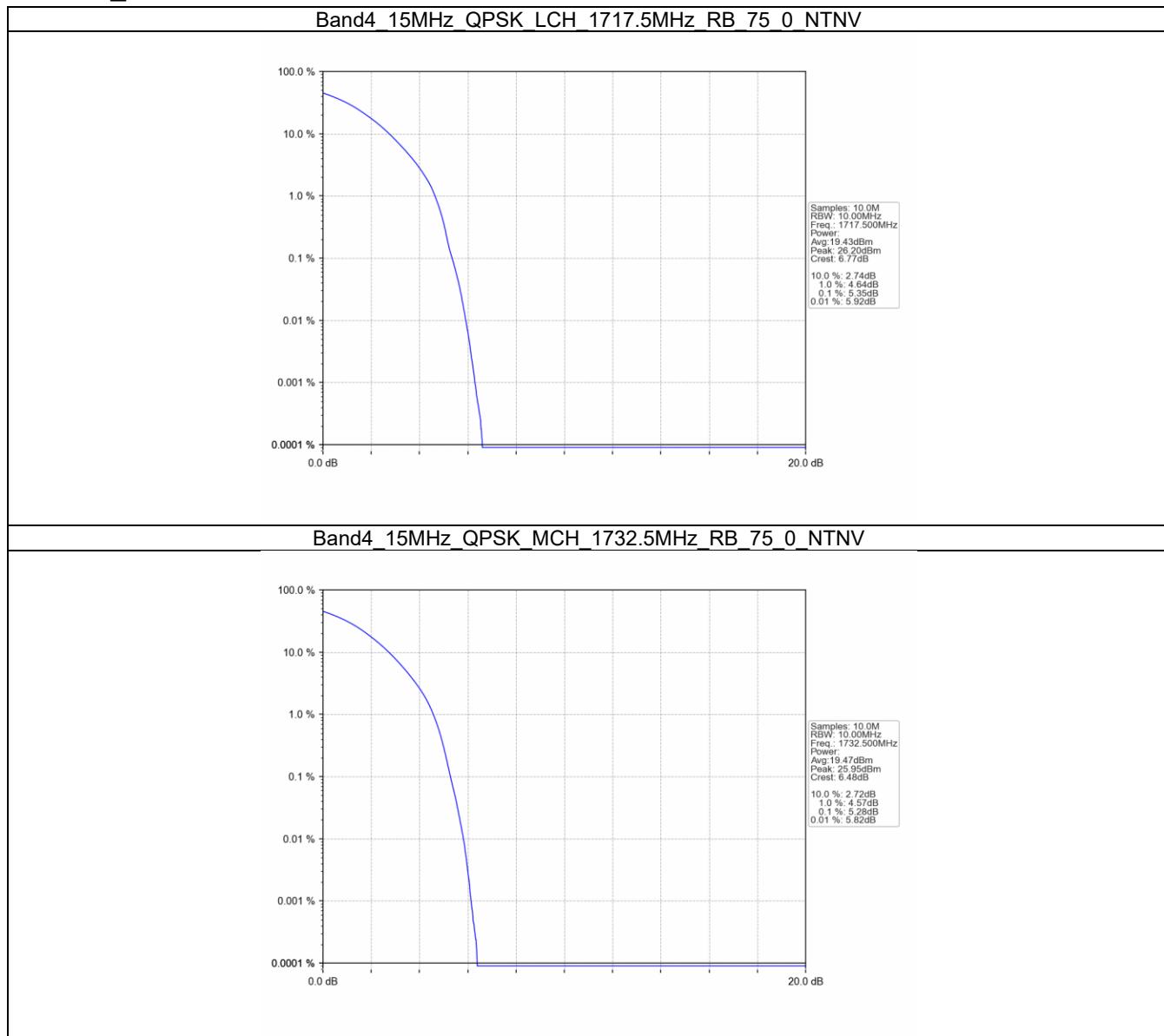
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



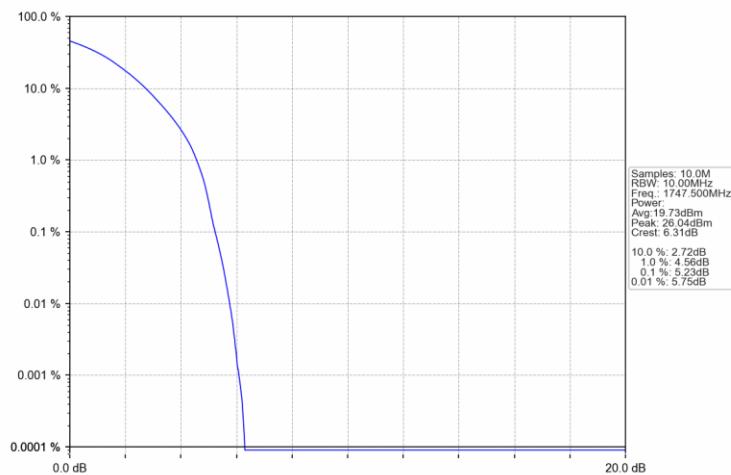
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



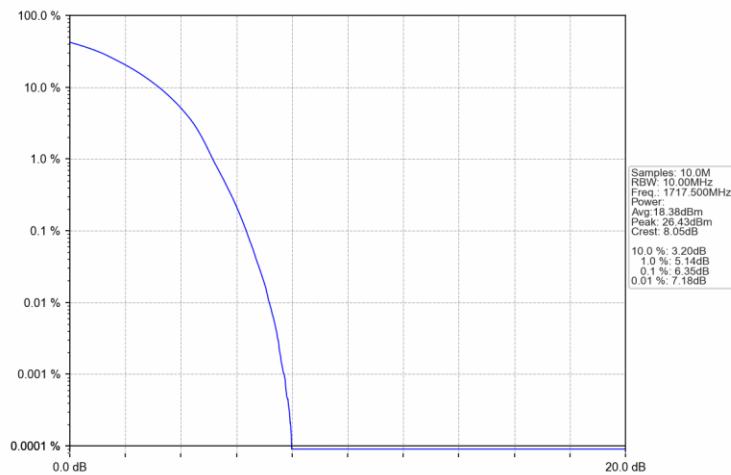
5.2.5 B4_15MHz



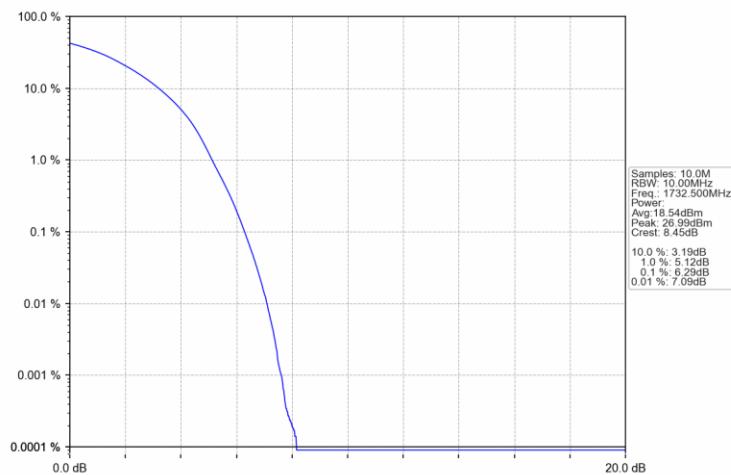
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



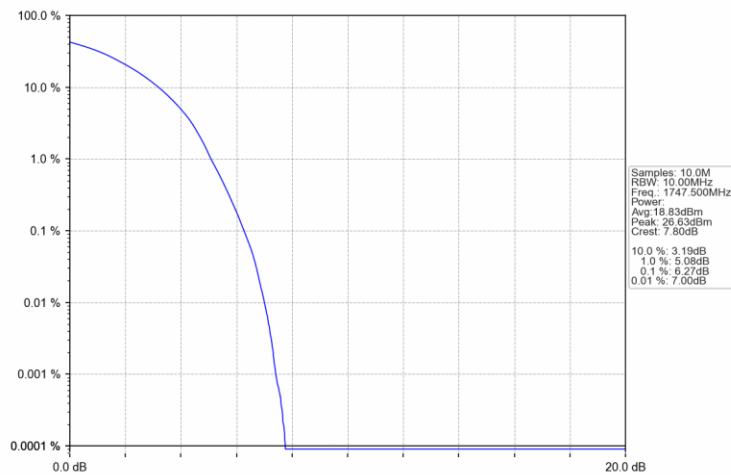
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



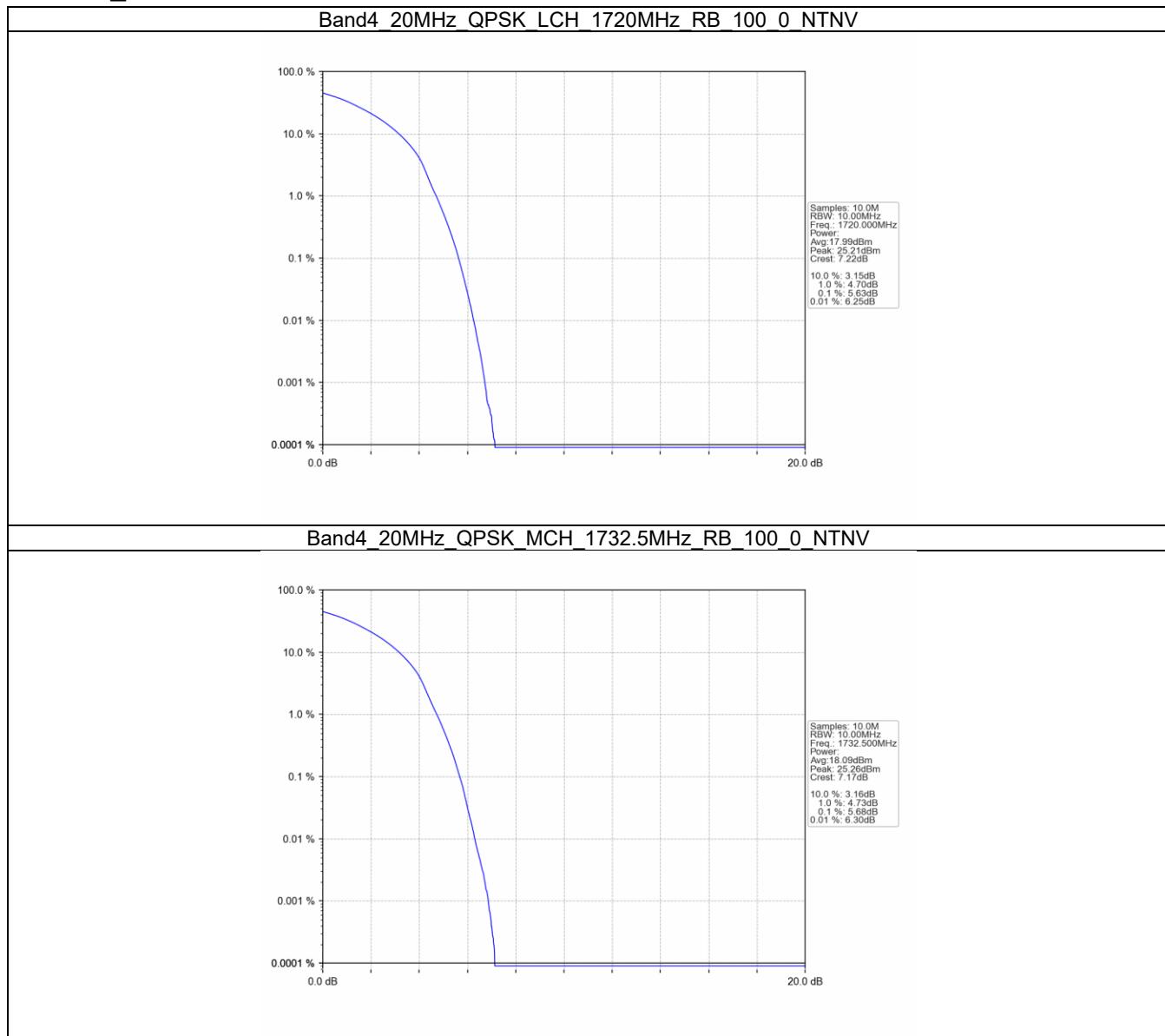
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



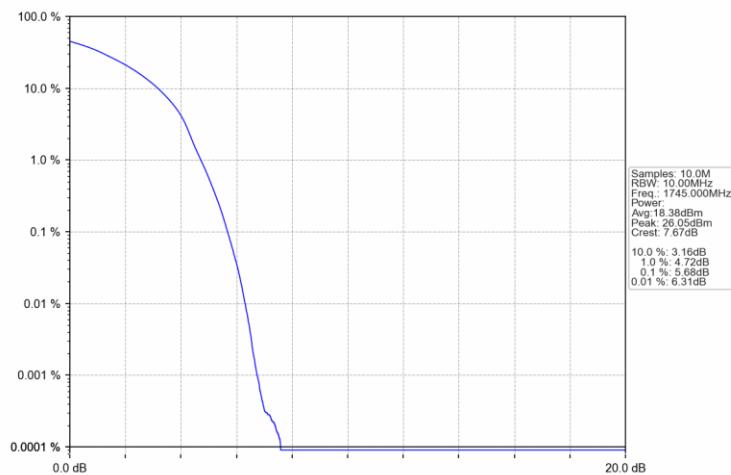
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



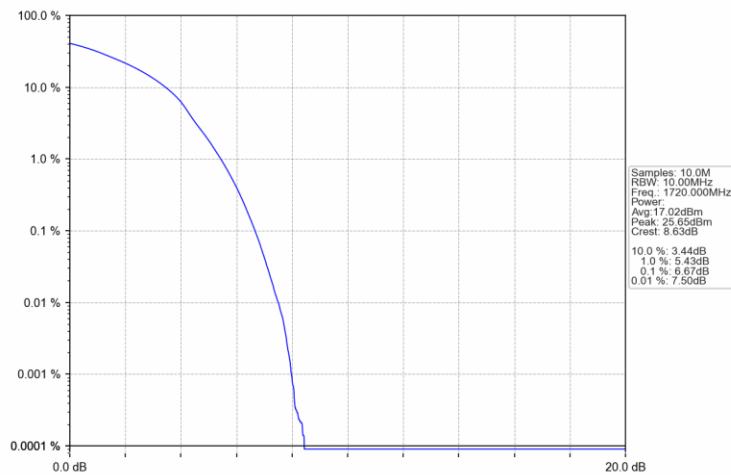
5.2.6 B4_20MHz



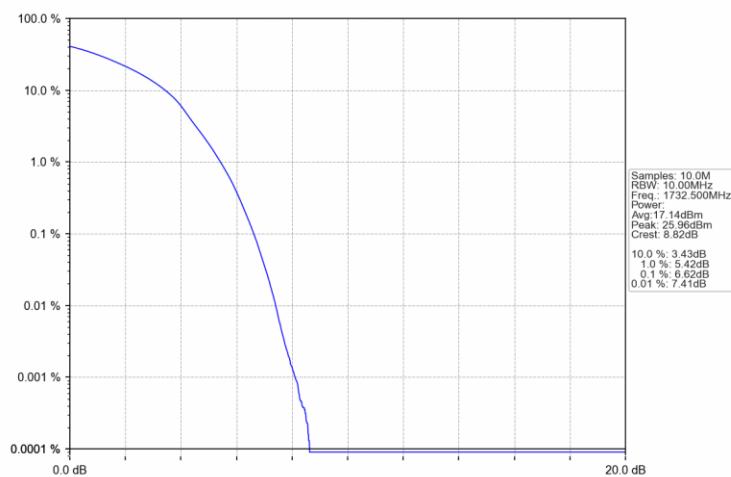
Band4 20MHz QPSK HCH 1745MHz RB 100_0_NTNV



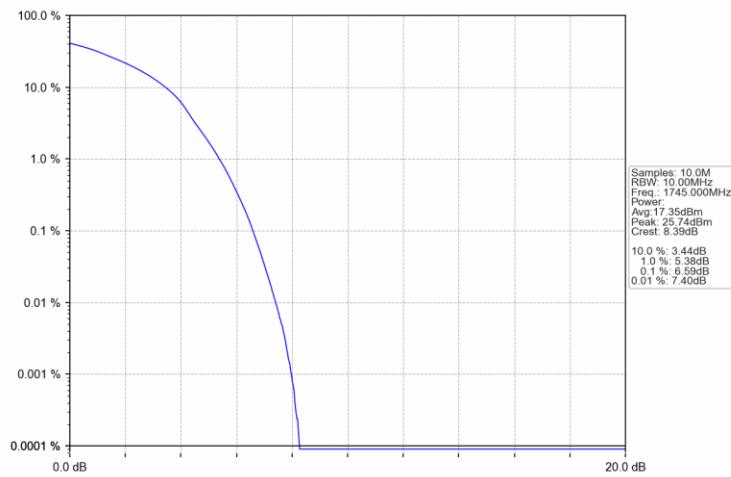
Band4 20MHz 16QAM LCH 1720MHz RB 100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B4_1.4MHz

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	0	Refer To Test Graph		Pass
	1710.7	1	5	Refer To Test Graph		Pass
			6	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 B4_3MHz

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
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

6.1.3 B4_5MHz

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
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

6.1.4 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	0	Refer To Test Graph	Pass		
	16QAM		1	Refer To Test Graph	Pass		
			49	Refer To Test Graph	Pass		
			50	Refer To Test Graph	Pass		
	1	0	Refer To Test Graph	Pass			
	50	0	Refer To Test Graph	Pass			
	1732.5	1	0	Refer To Test Graph	Pass		
		1750	0	Refer To Test Graph	Pass		
	1715		49	Refer To Test Graph	Pass		
			50	Refer To Test Graph	Pass		

6.1.5 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	0	Refer To Test Graph	Pass		
	16QAM		1	Refer To Test Graph	Pass		
			74	Refer To Test Graph	Pass		
			75	Refer To Test Graph	Pass		
	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	0	Refer To Test Graph	Pass		
	1717.5		74	Refer To Test Graph	Pass		
			75	Refer To Test Graph	Pass		

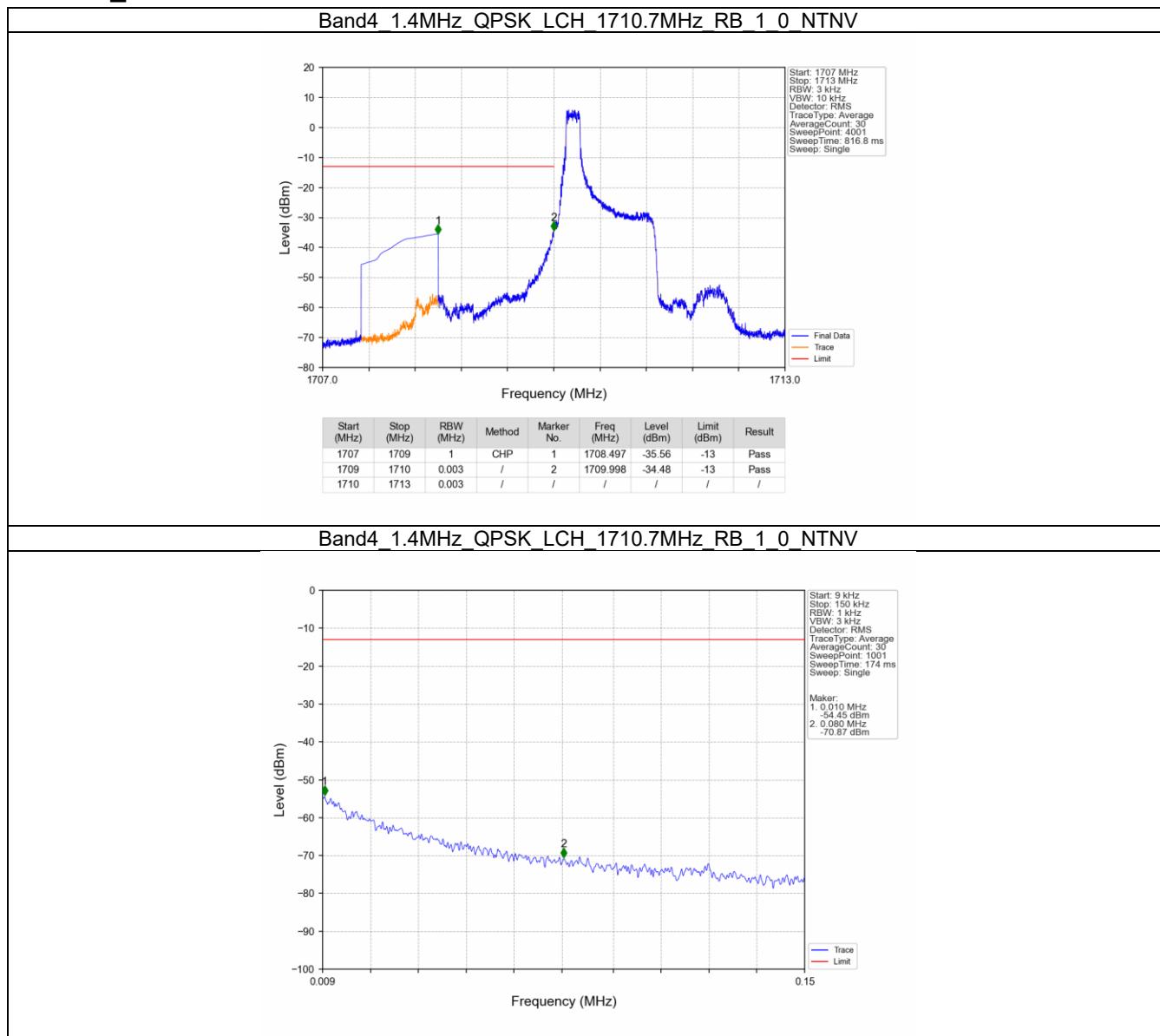
6.1.6 B4_20MHz

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	0	Refer To Test Graph	Pass		
	16QAM		99	Refer To Test Graph	Pass		
			100	Refer To Test Graph	Pass		
	1	0	Refer To Test Graph	Pass			
	100	0	Refer To Test Graph	Pass			
	1	0	Refer To Test Graph	Pass			
	1732.5	1	0	Refer To Test Graph	Pass		
			0	Refer To Test Graph	Pass		
	1720	1	99	Refer To Test Graph	Pass		
			0	Refer To Test Graph	Pass		

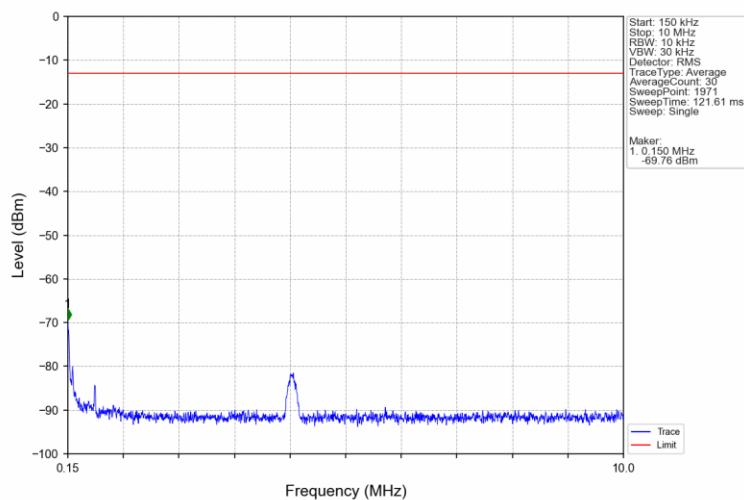
		100	0	Refer To Test Graph	Pass
--	--	-----	---	---------------------	------

6.2 Test Graph

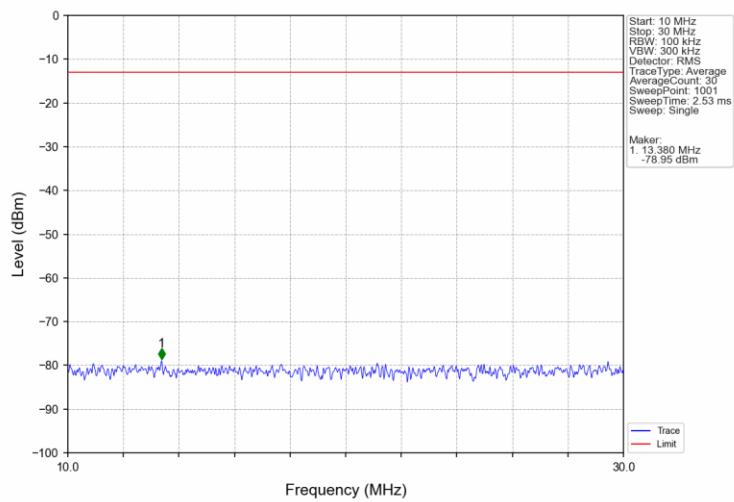
6.2.1 B4_1.4MHz

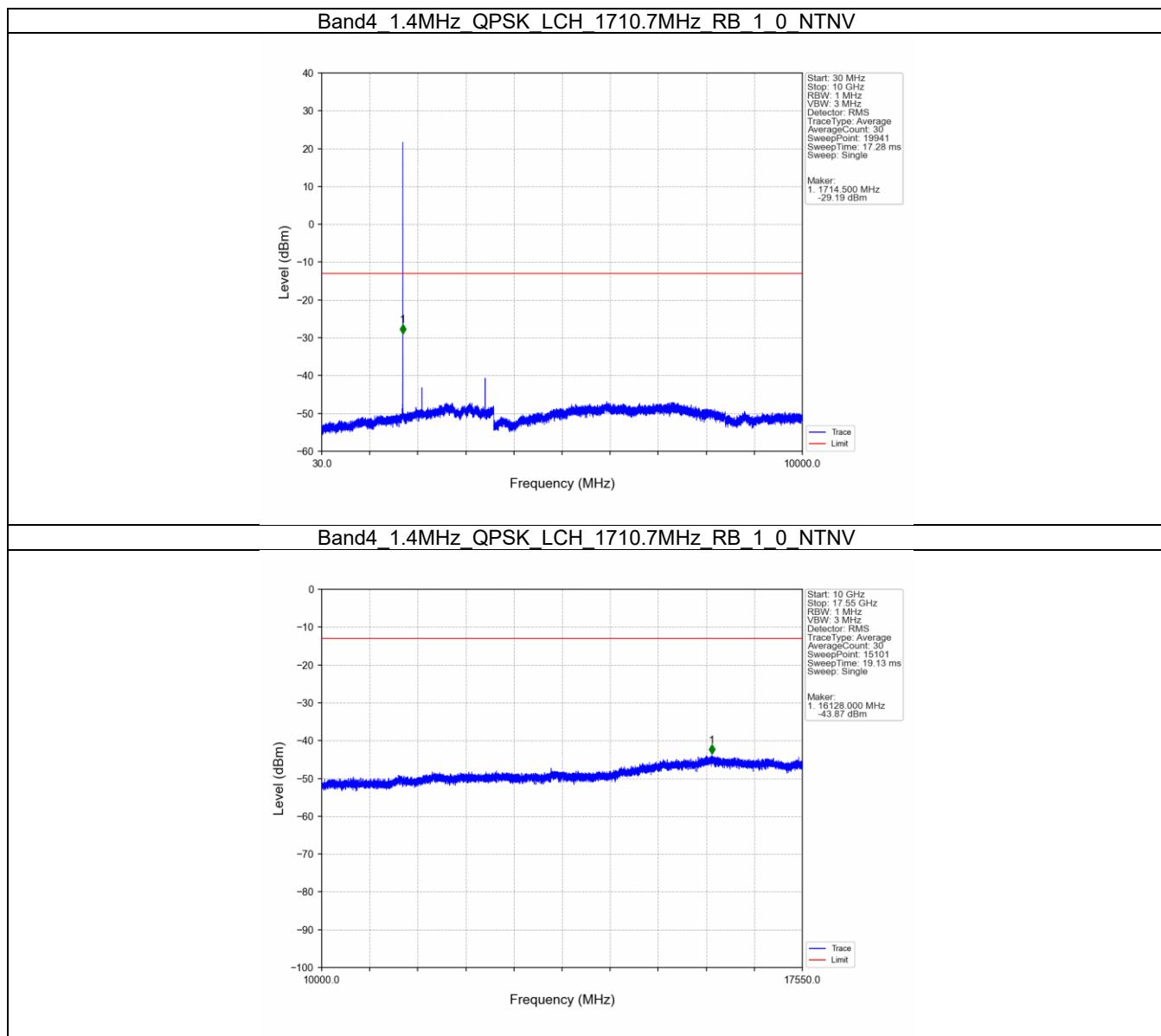


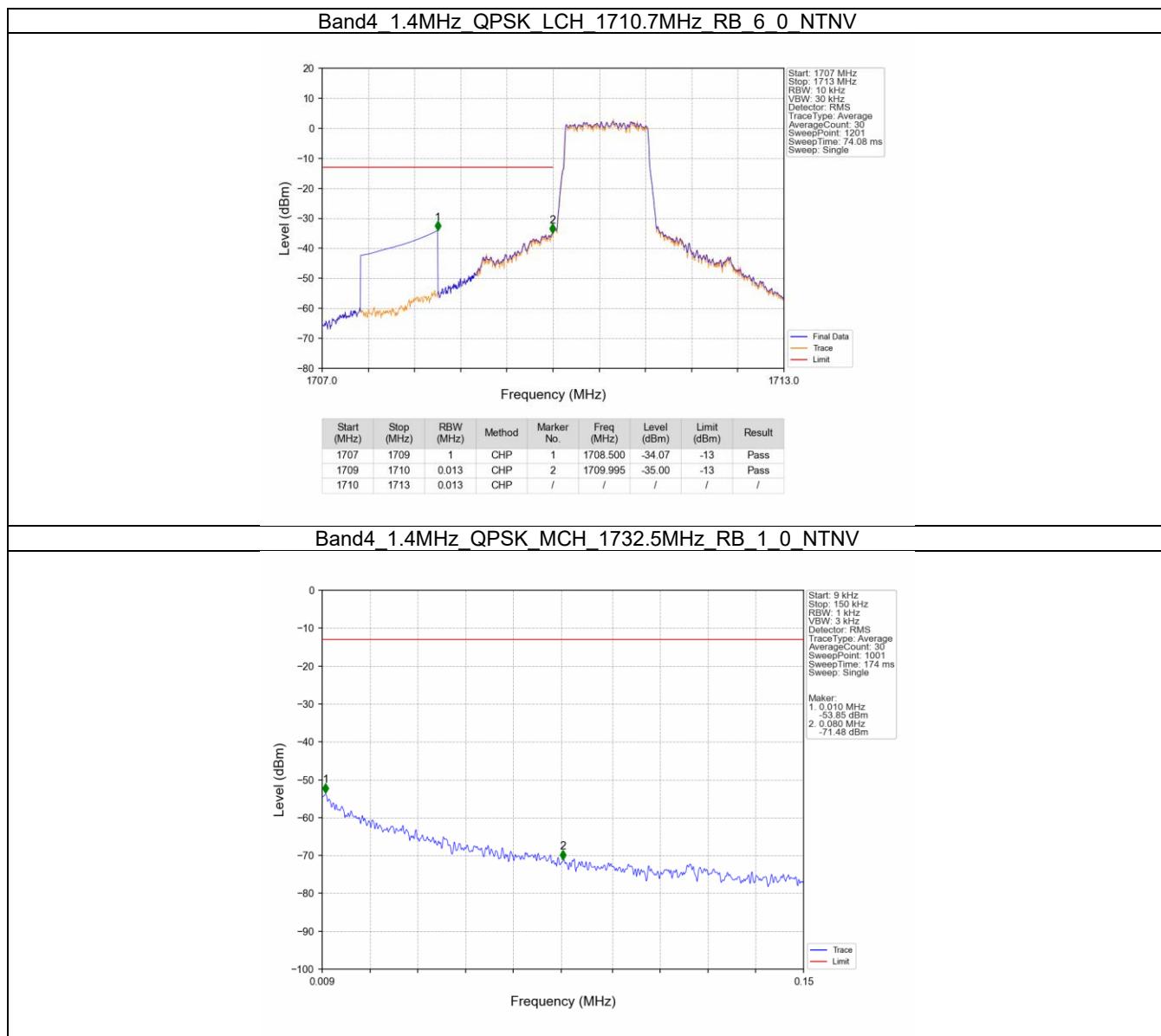
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

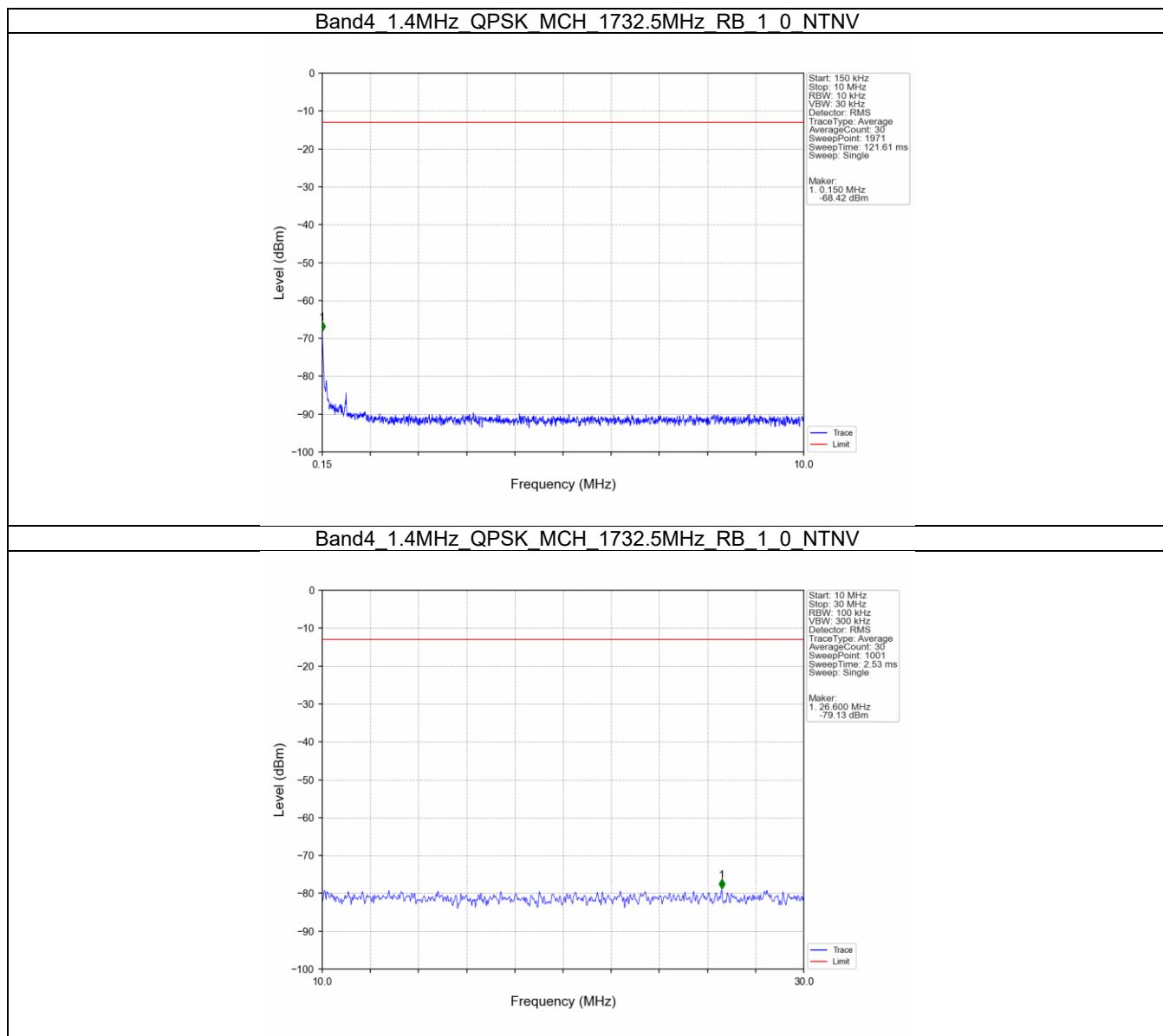


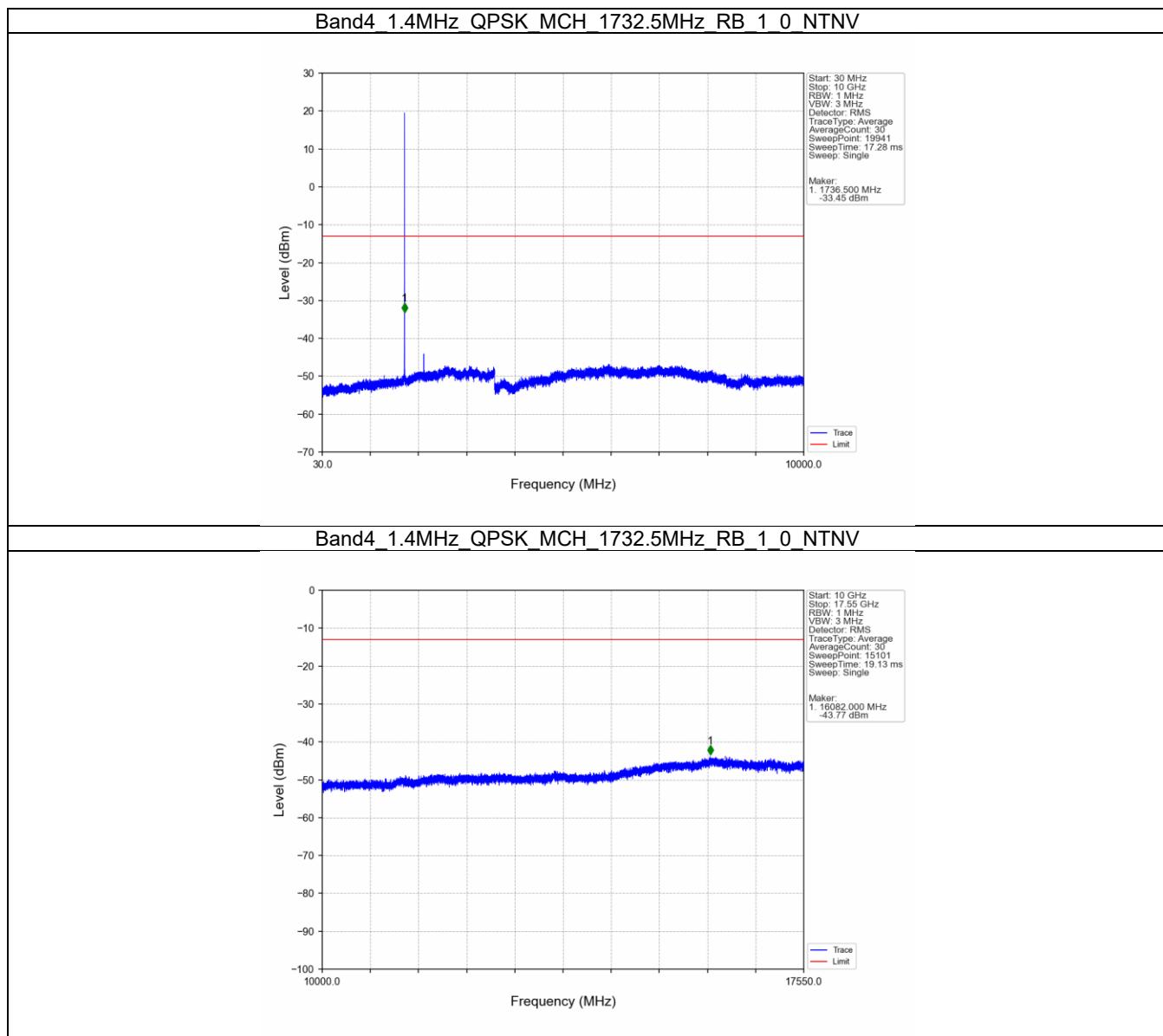
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

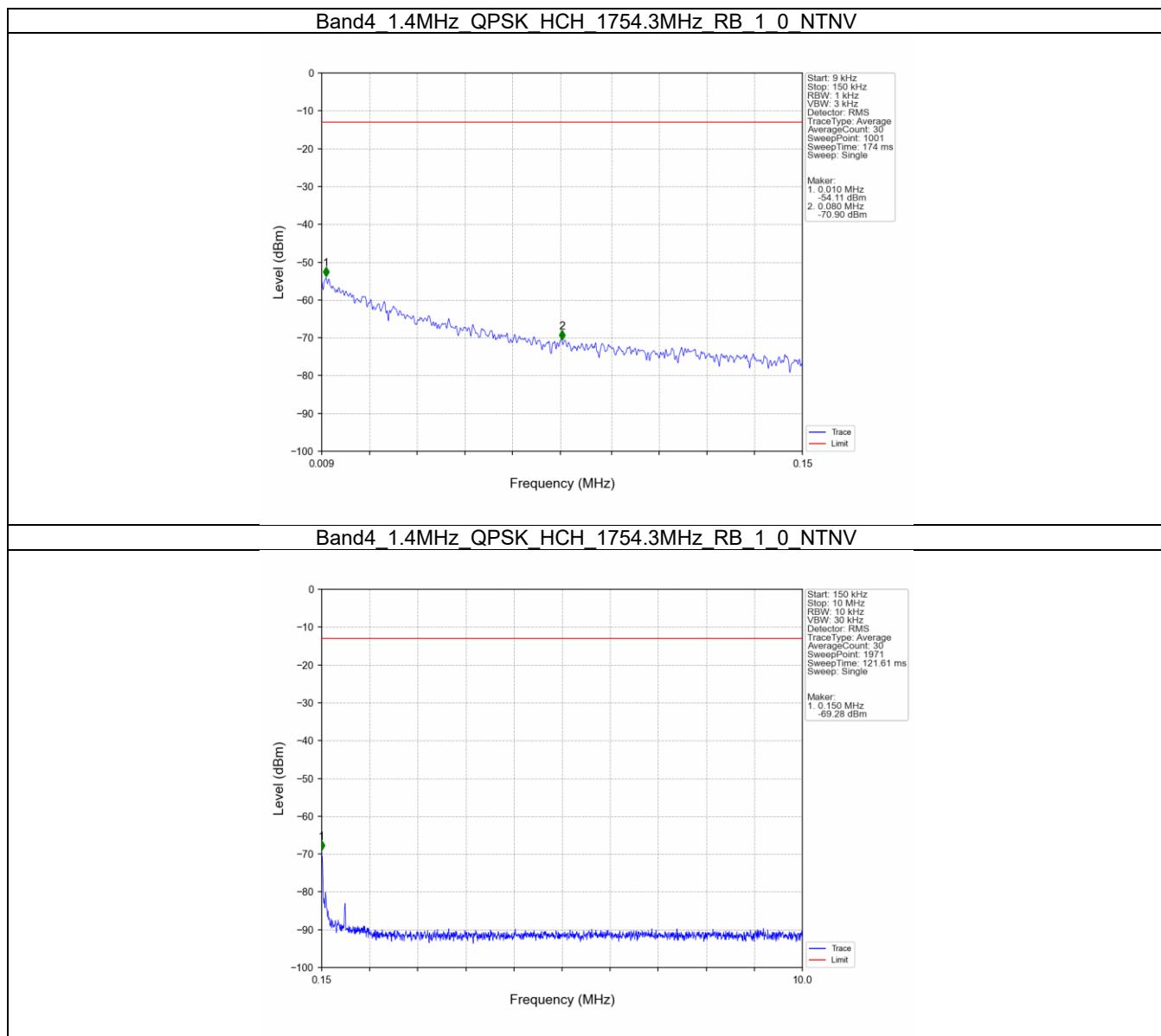


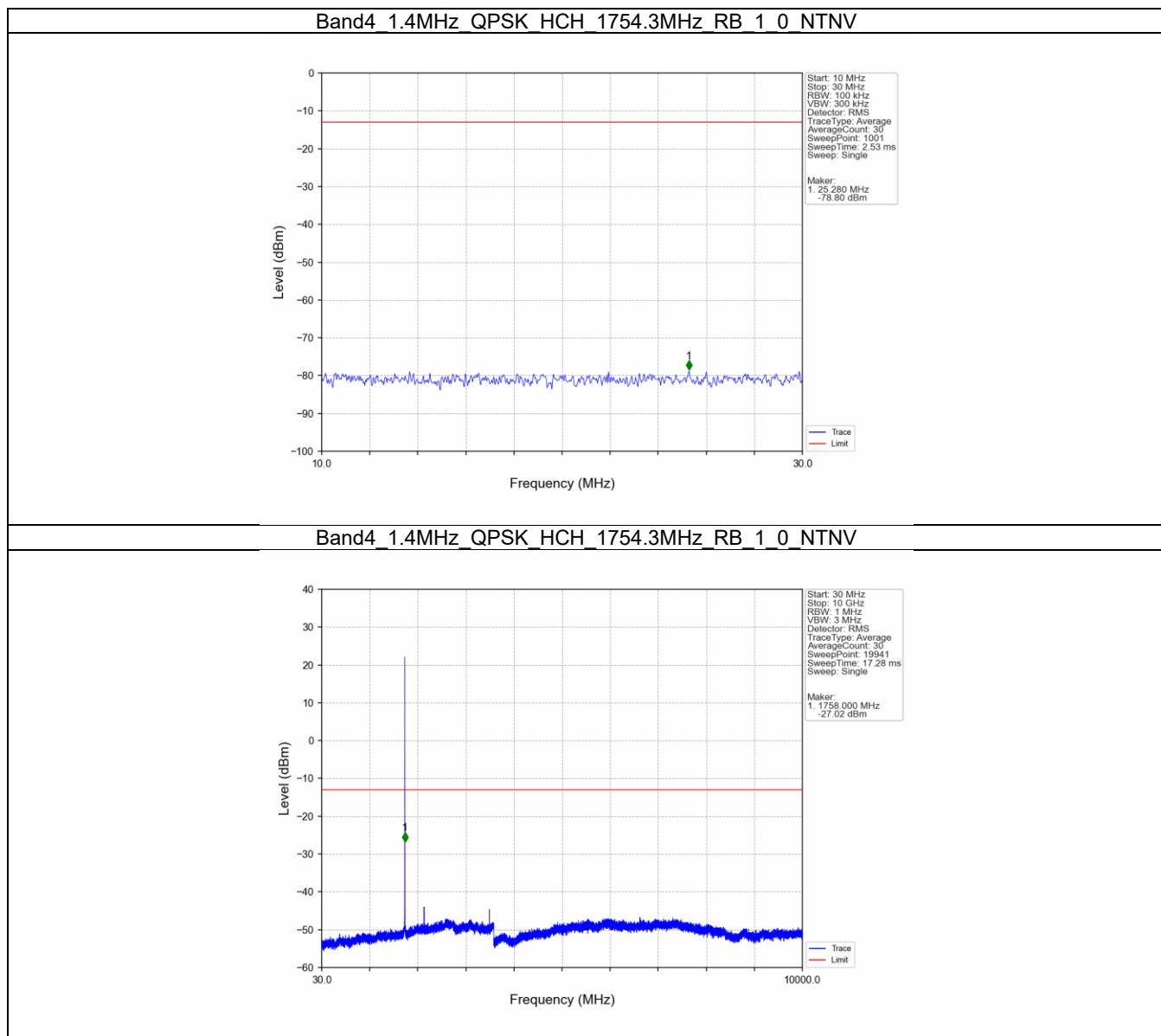


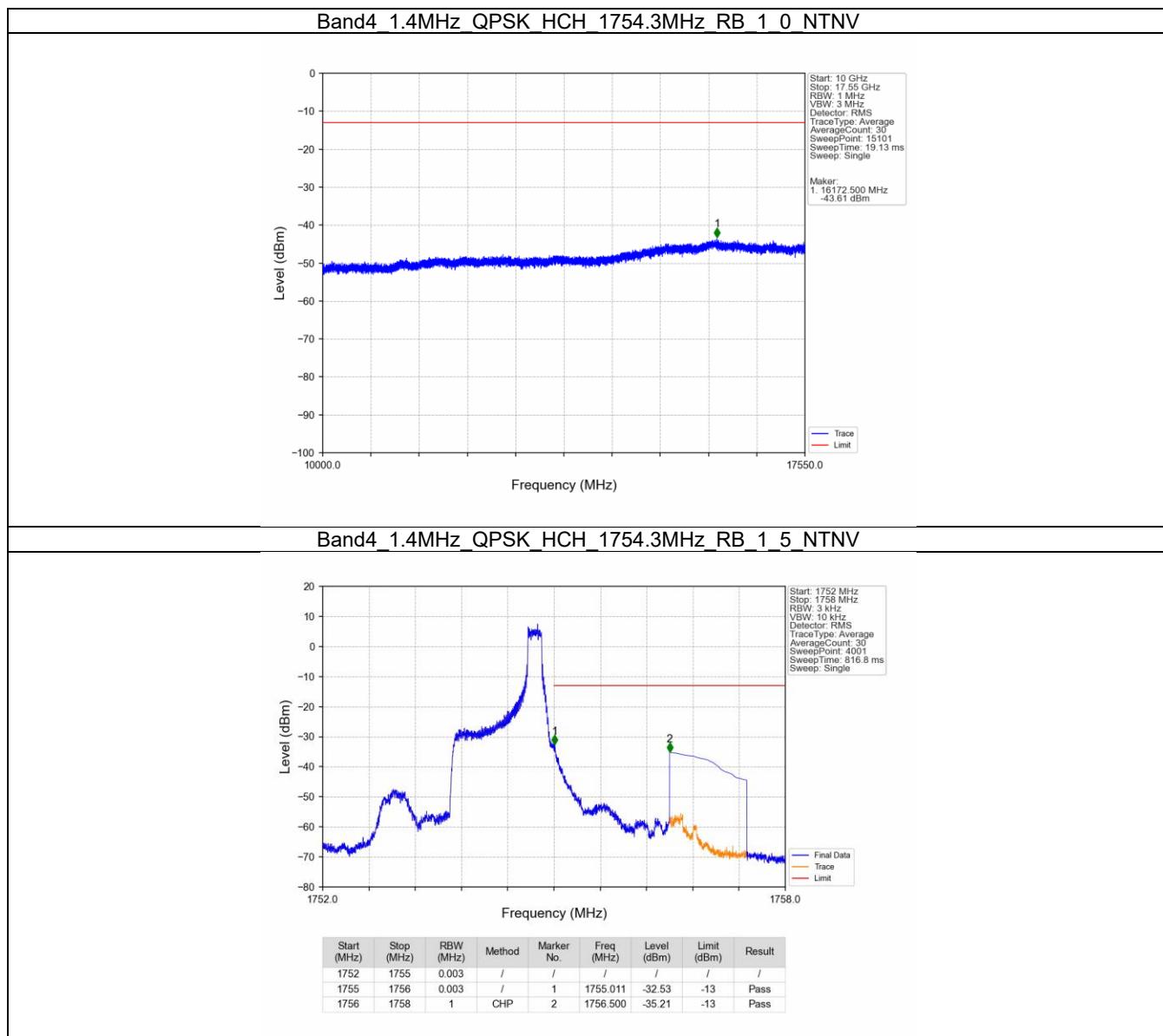


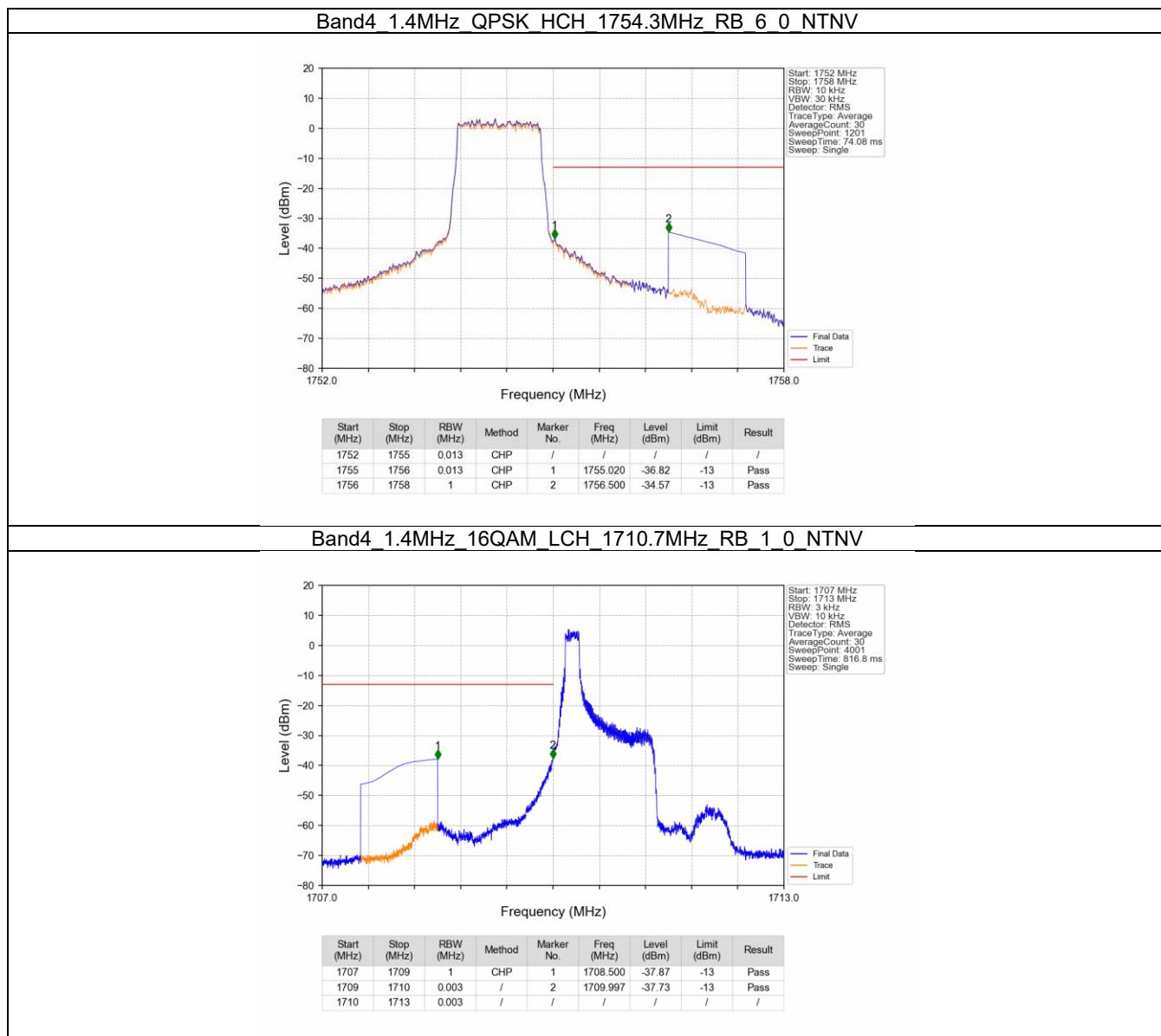


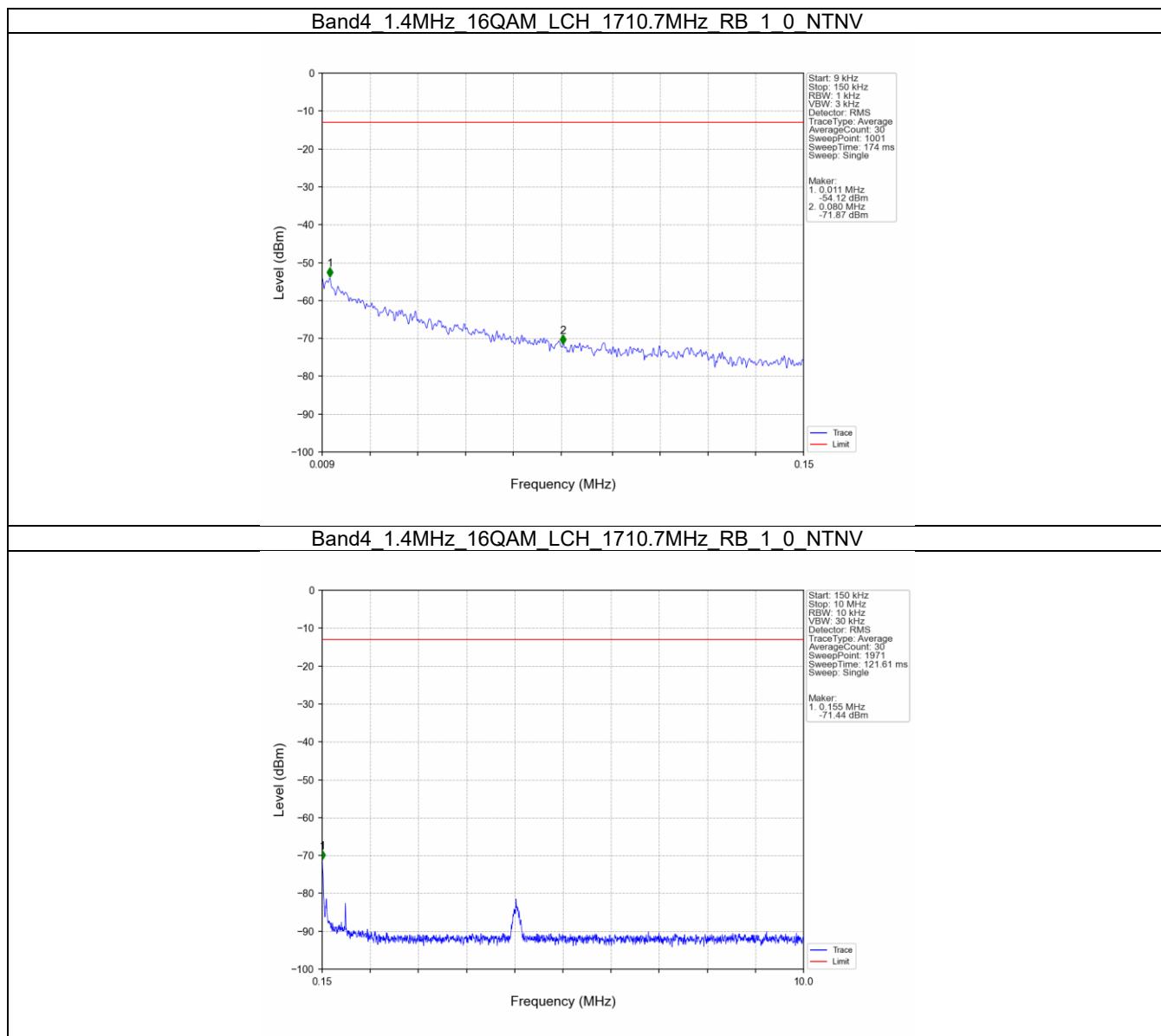


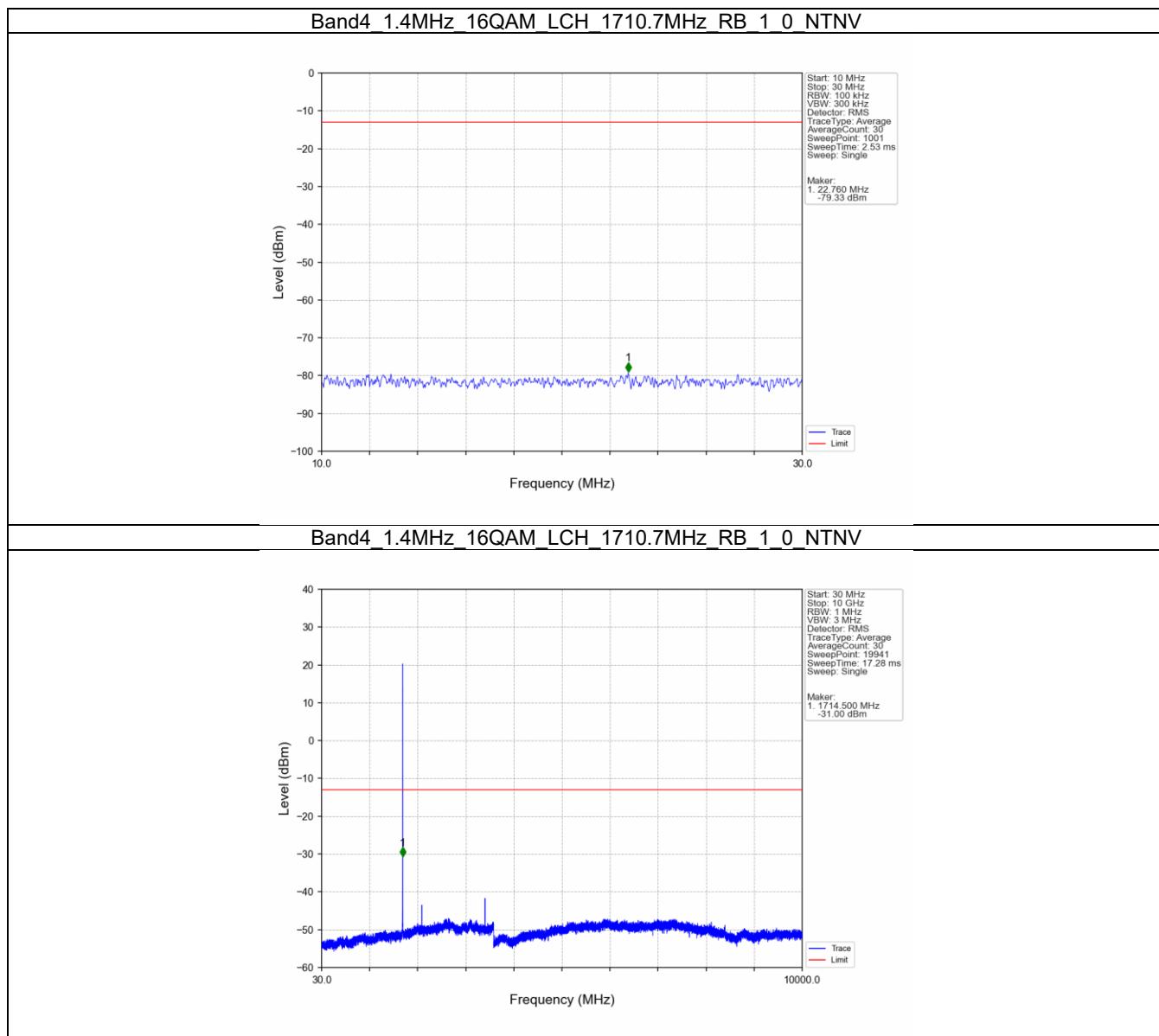


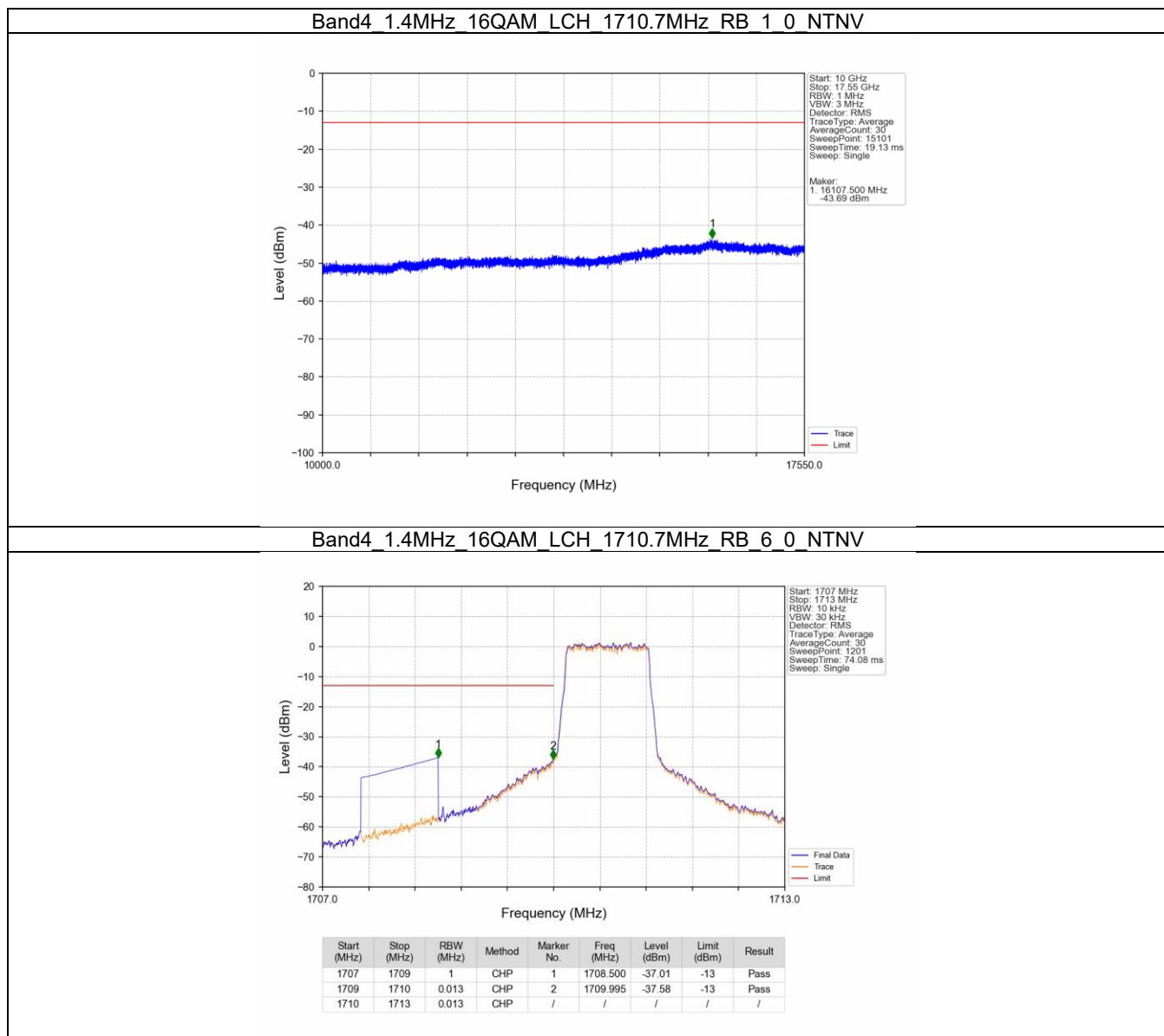


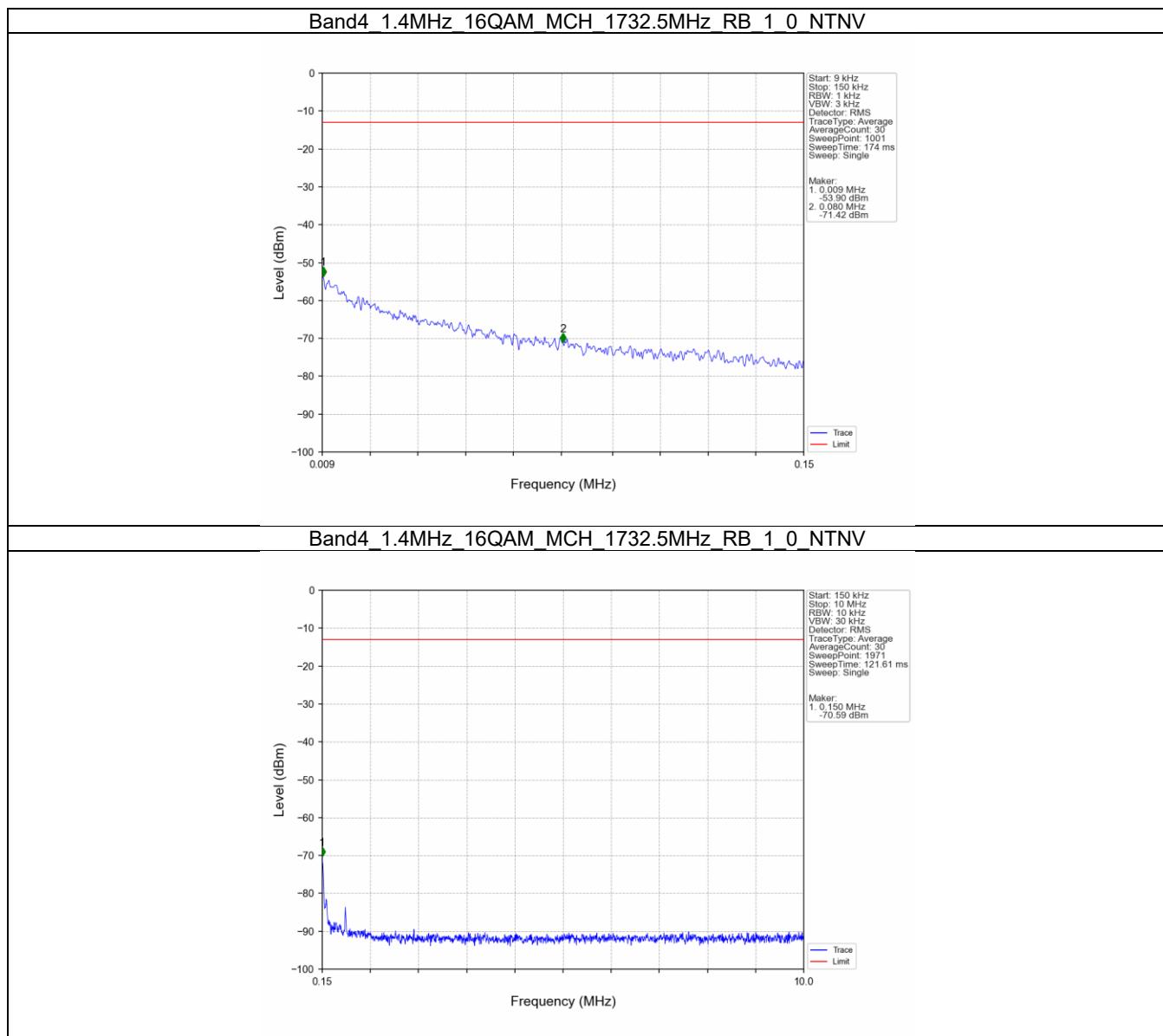




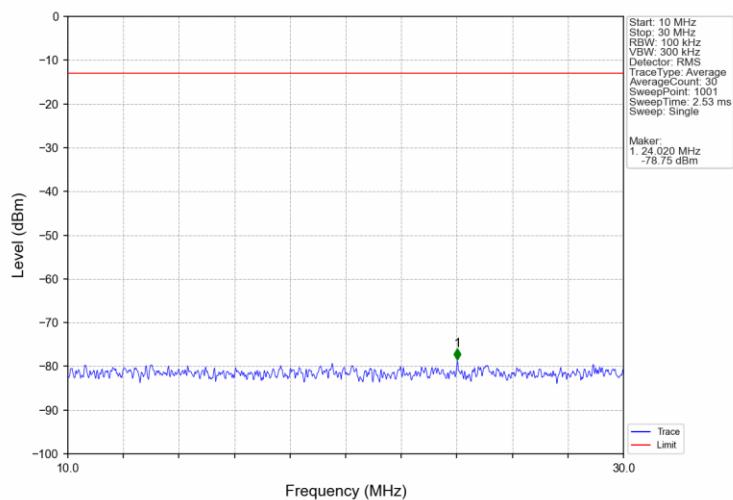




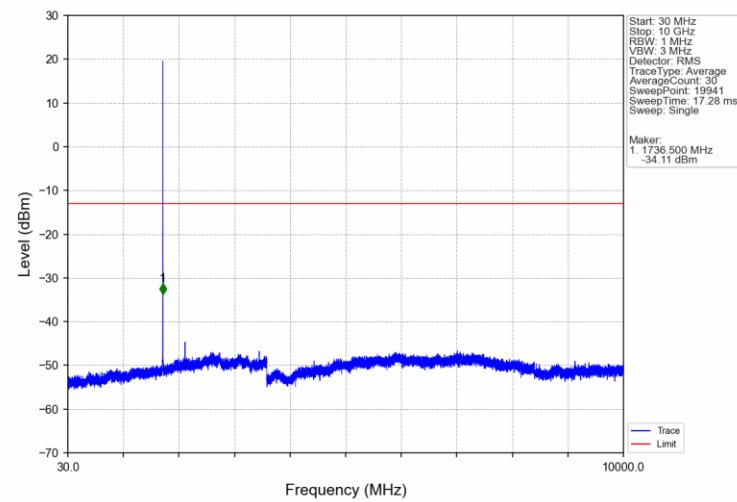




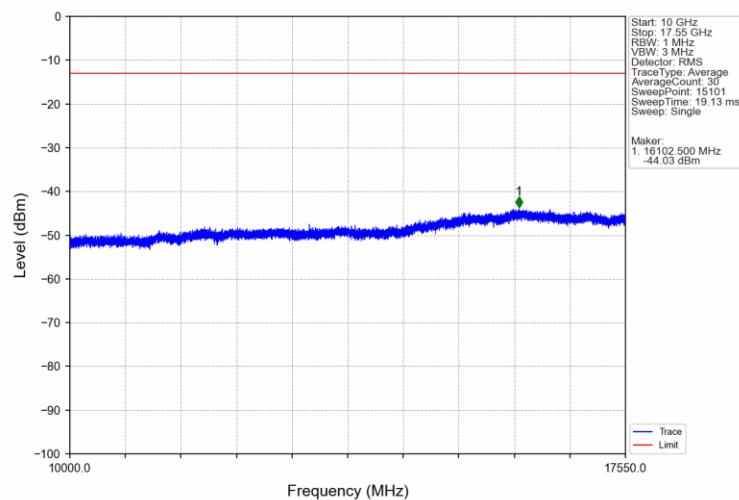
Band4 1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



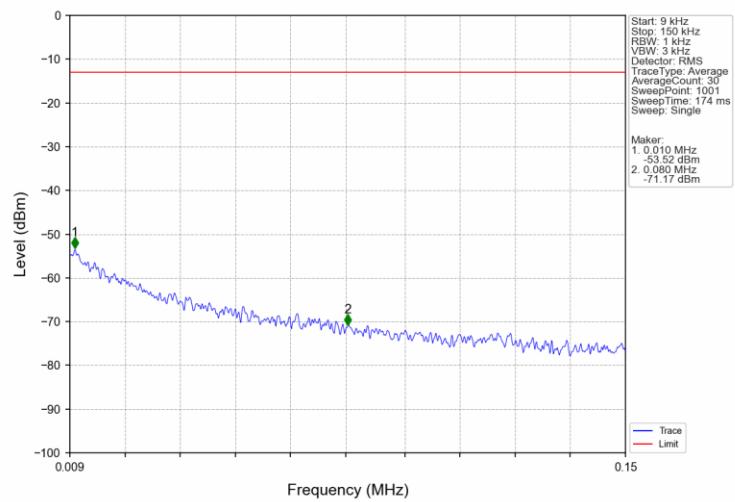
Band4 1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



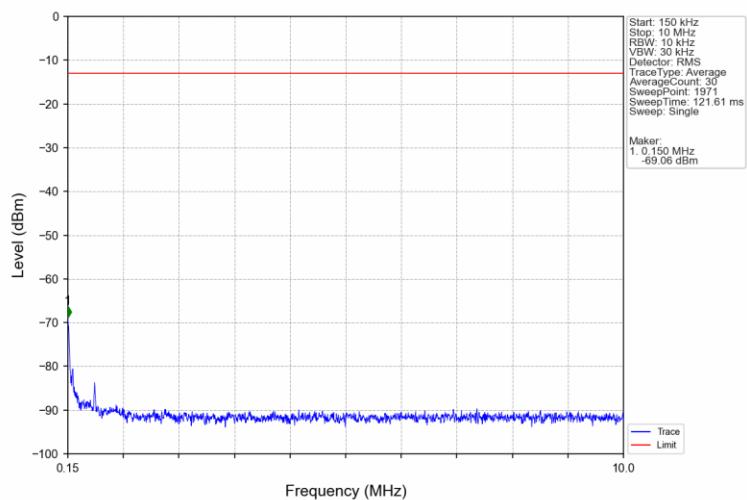
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 1 0 NTVN



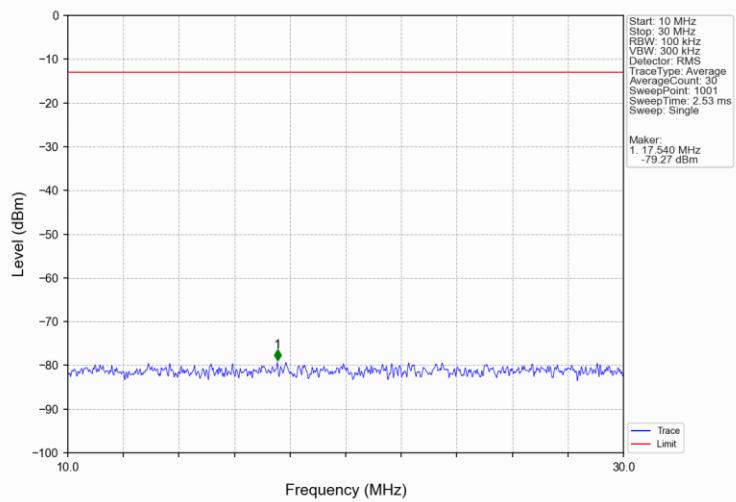
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTVN

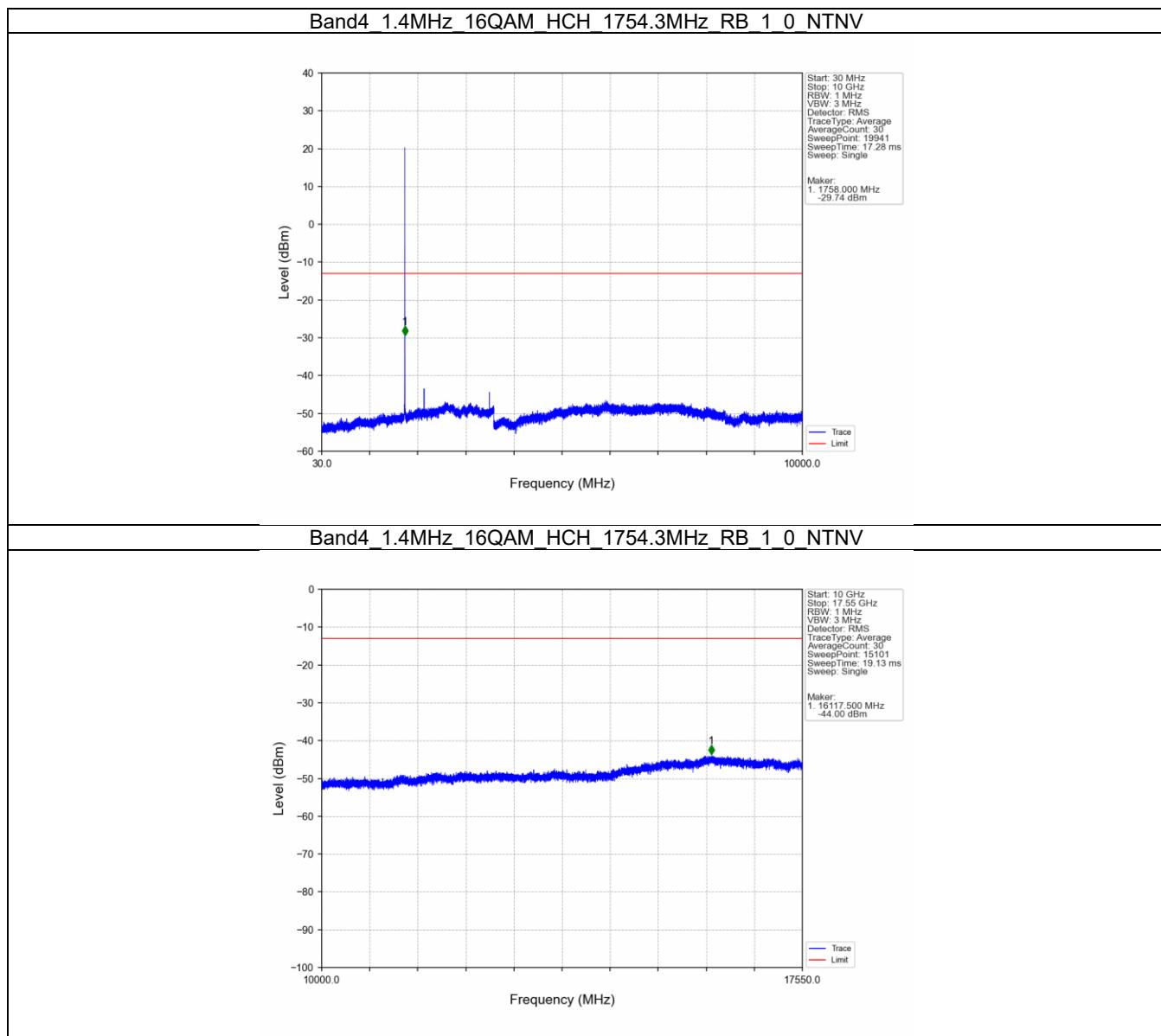


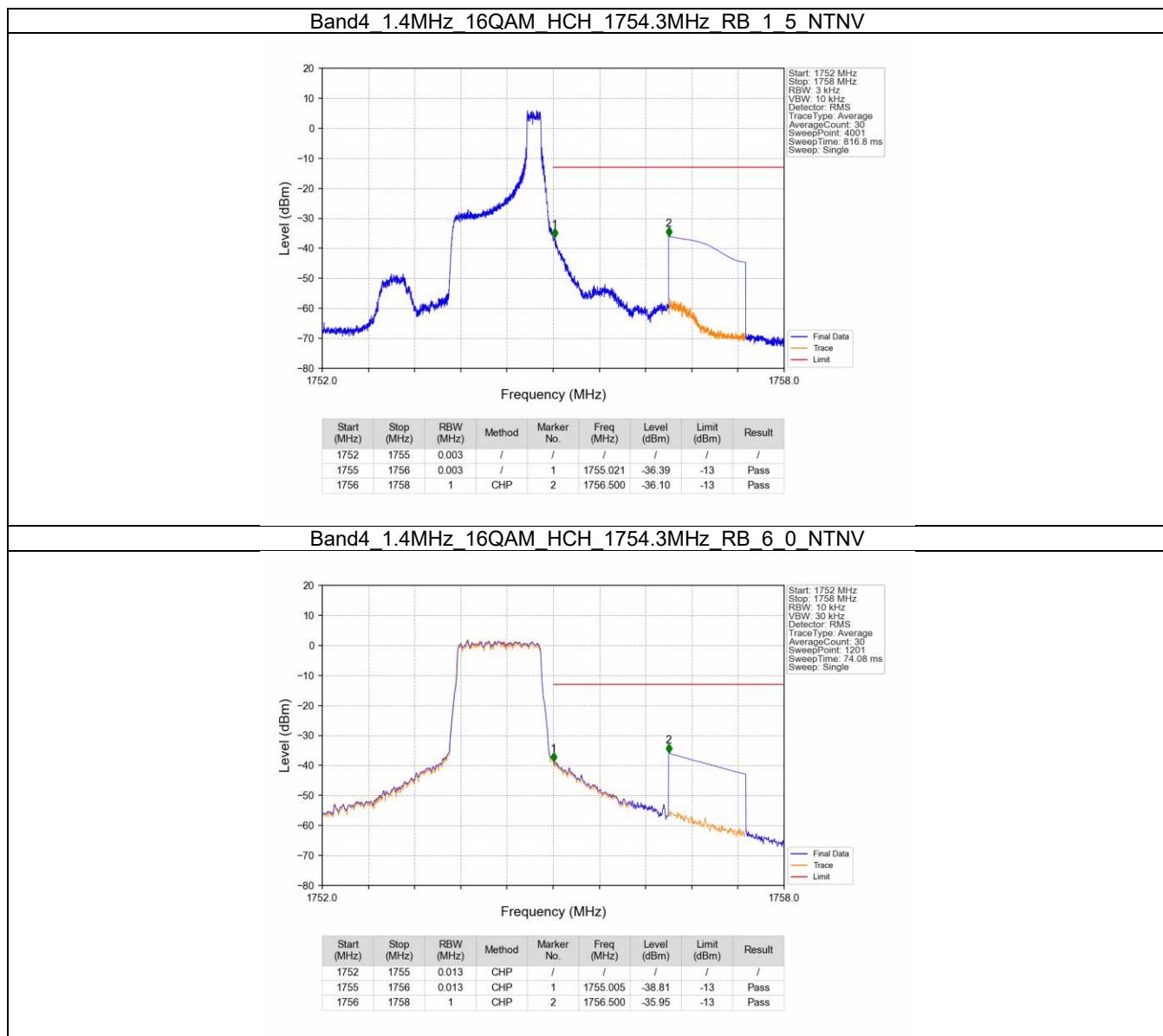
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTV



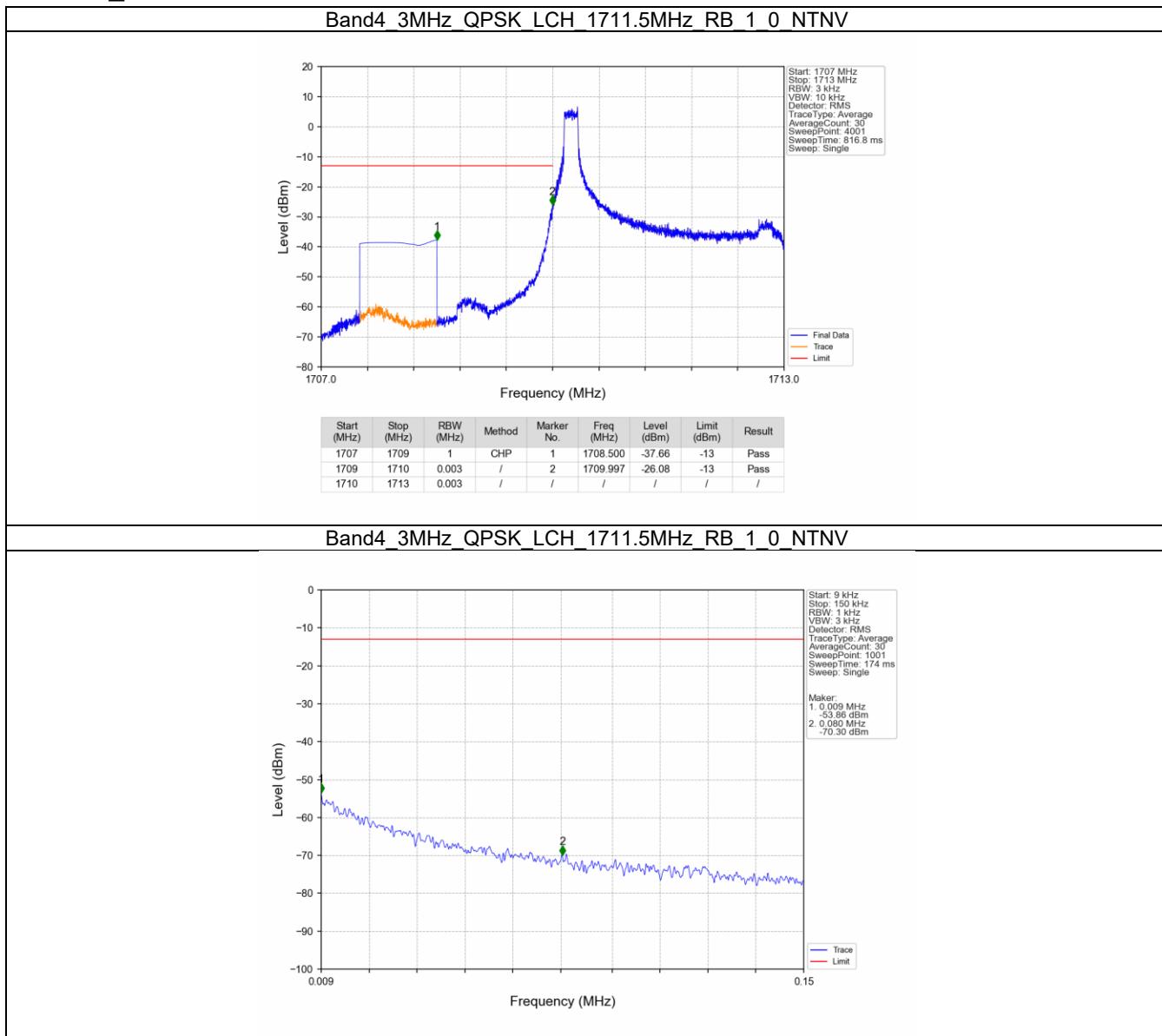
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTV



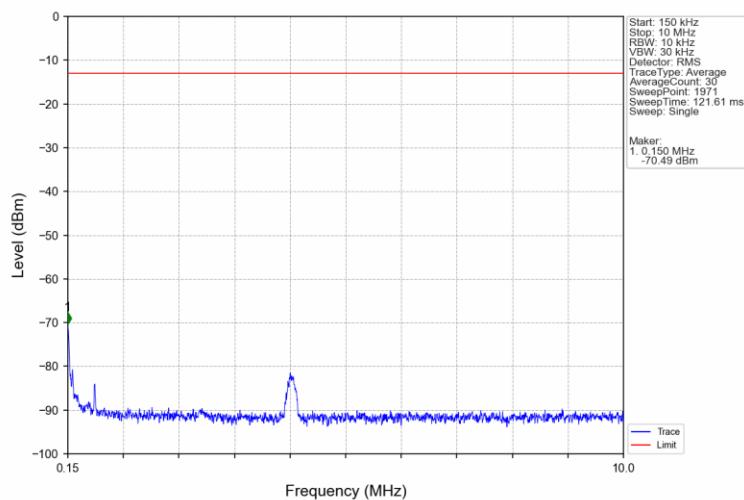




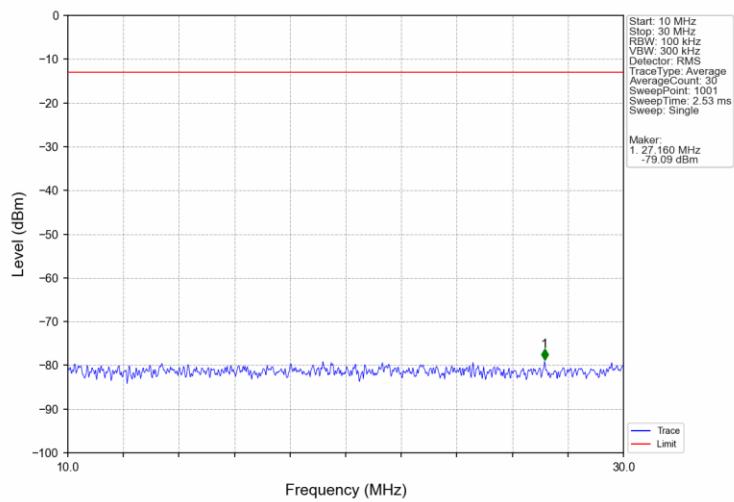
6.2.2 B4_3MHz

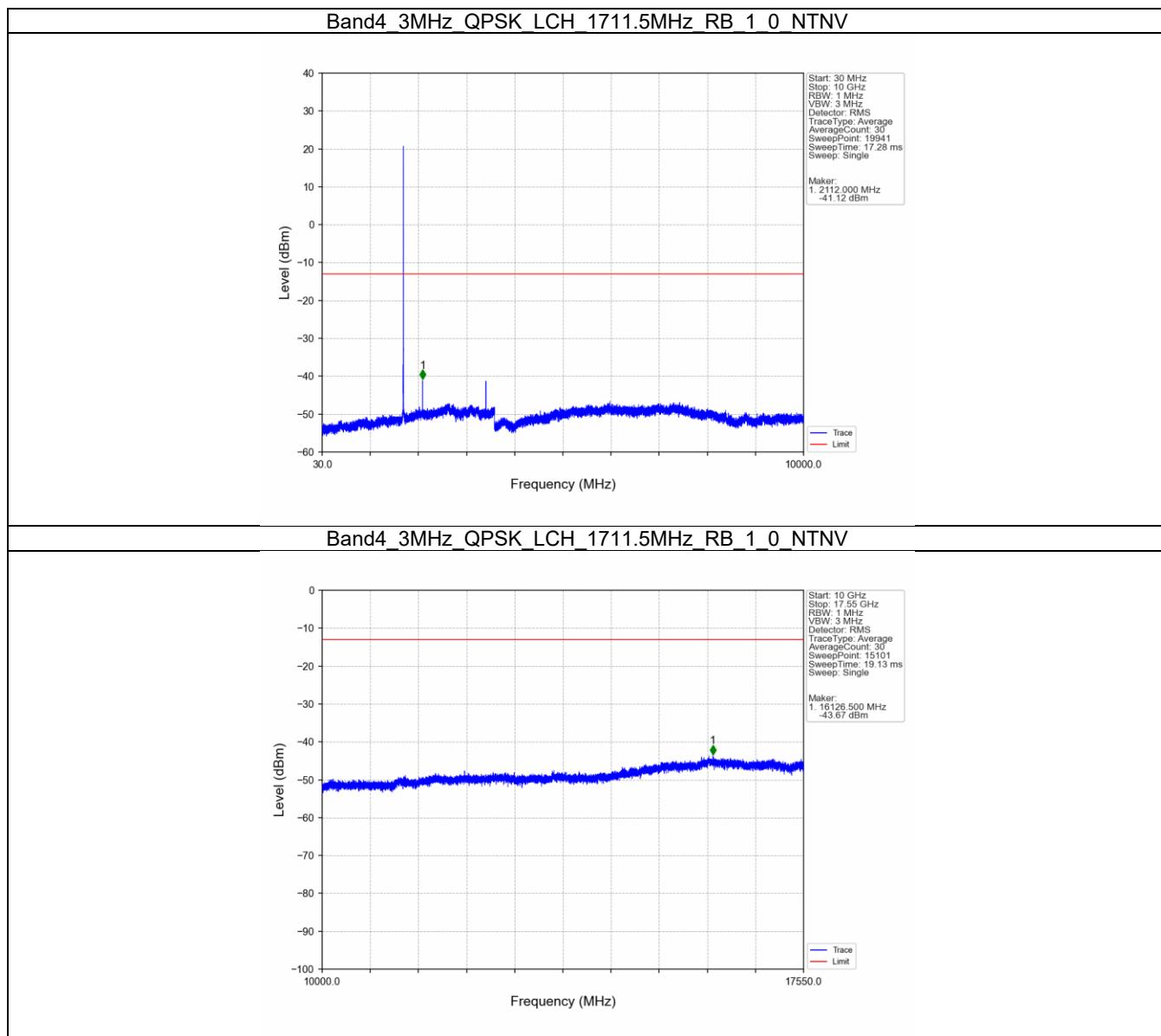


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

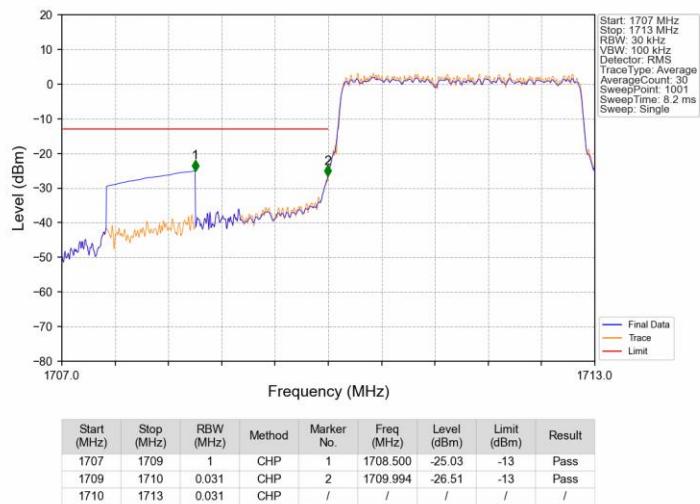


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

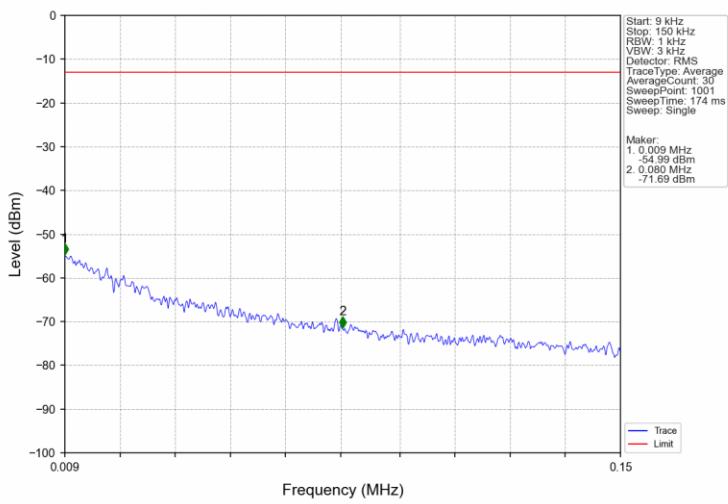




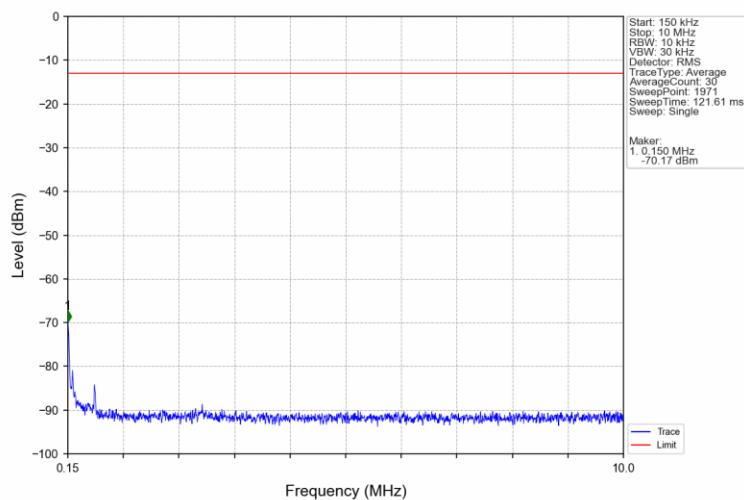
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTV



Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTV



Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTVN



Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTVN

