

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	4.62	<=13	Pass
	1732.5	6	0	5.45	<=13	Pass
	1754.3	6	0	4.62	<=13	Pass
16QAM	1710.7	6	0	5.46	<=13	Pass
	1732.5	6	0	6.27	<=13	Pass
	1754.3	6	0	5.49	<=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	4.88	<=13	Pass
	1732.5	15	0	5.55	<=13	Pass
	1753.5	15	0	4.76	<=13	Pass
16QAM	1711.5	15	0	5.71	<=13	Pass
	1732.5	15	0	6.41	<=13	Pass
	1753.5	15	0	5.60	<=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	5.18	<=13	Pass
	1732.5	25	0	5.71	<=13	Pass
	1752.5	25	0	5.08	<=13	Pass
16QAM	1712.5	25	0	5.89	<=13	Pass
	1732.5	25	0	6.41	<=13	Pass
	1752.5	25	0	5.82	<=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	5.12	<=13	Pass
	1732.5	50	0	5.61	<=13	Pass
	1750	50	0	5.04	<=13	Pass
16QAM	1715	50	0	5.86	<=13	Pass
	1732.5	50	0	6.40	<=13	Pass
	1750	50	0	5.82	<=13	Pass

5.1.5 B4_15MHz

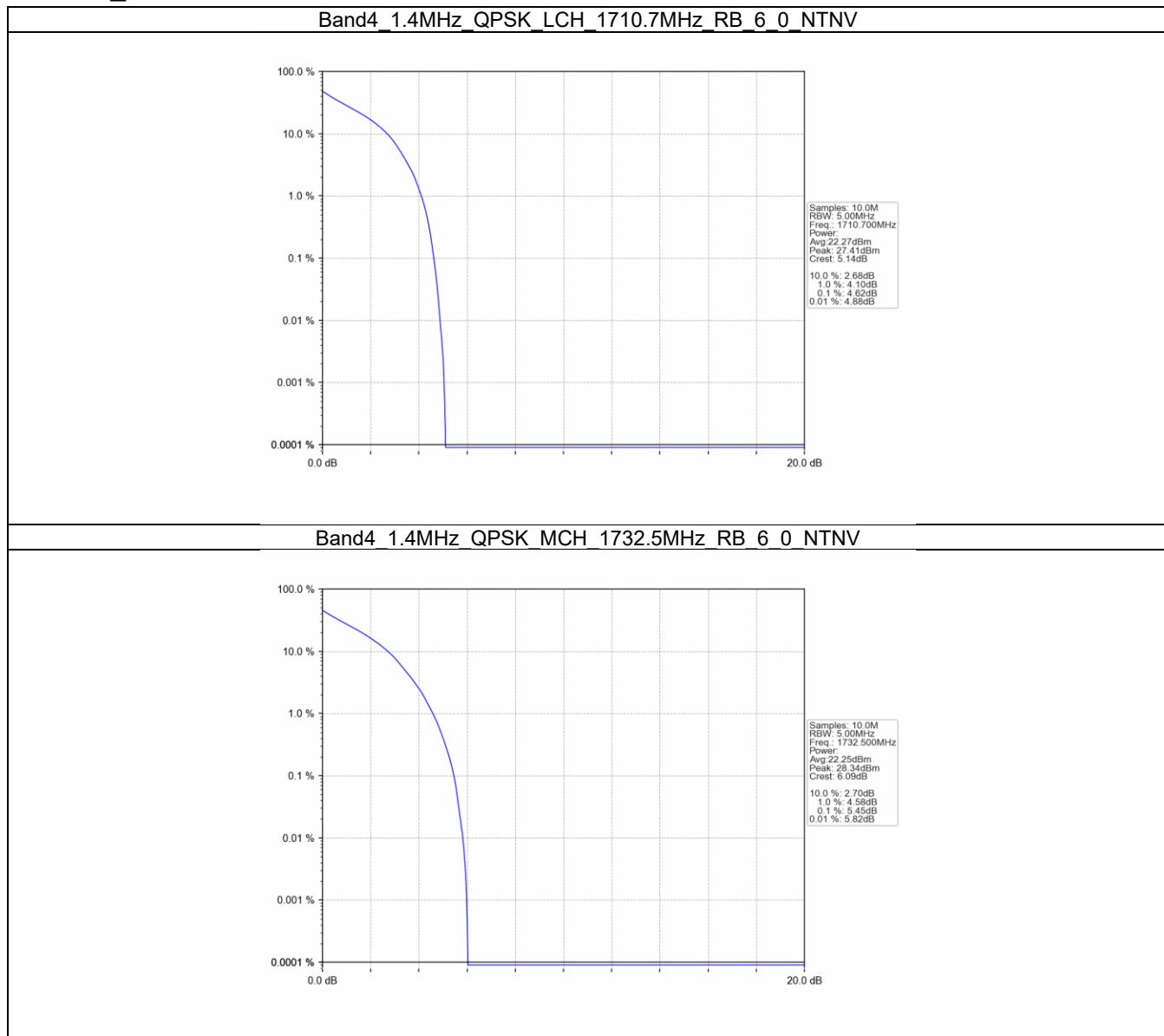
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.09	<=13	Pass
	1732.5	75	0	5.22	<=13	Pass
	1747.5	75	0	5.05	<=13	Pass
16QAM	1717.5	75	0	6.02	<=13	Pass
	1732.5	75	0	6.27	<=13	Pass
	1747.5	75	0	6.01	<=13	Pass

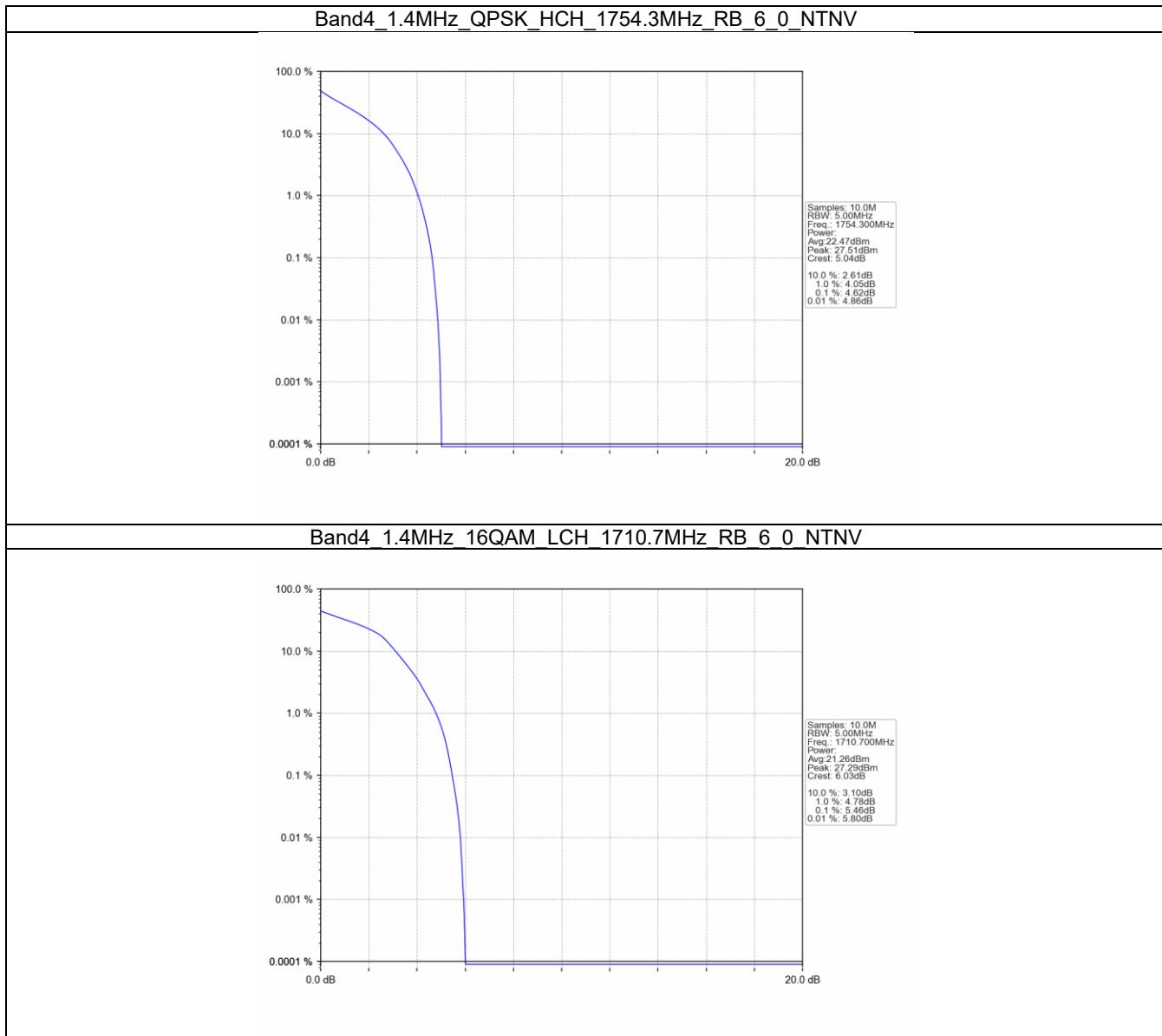
5.1.6 B4_20MHz

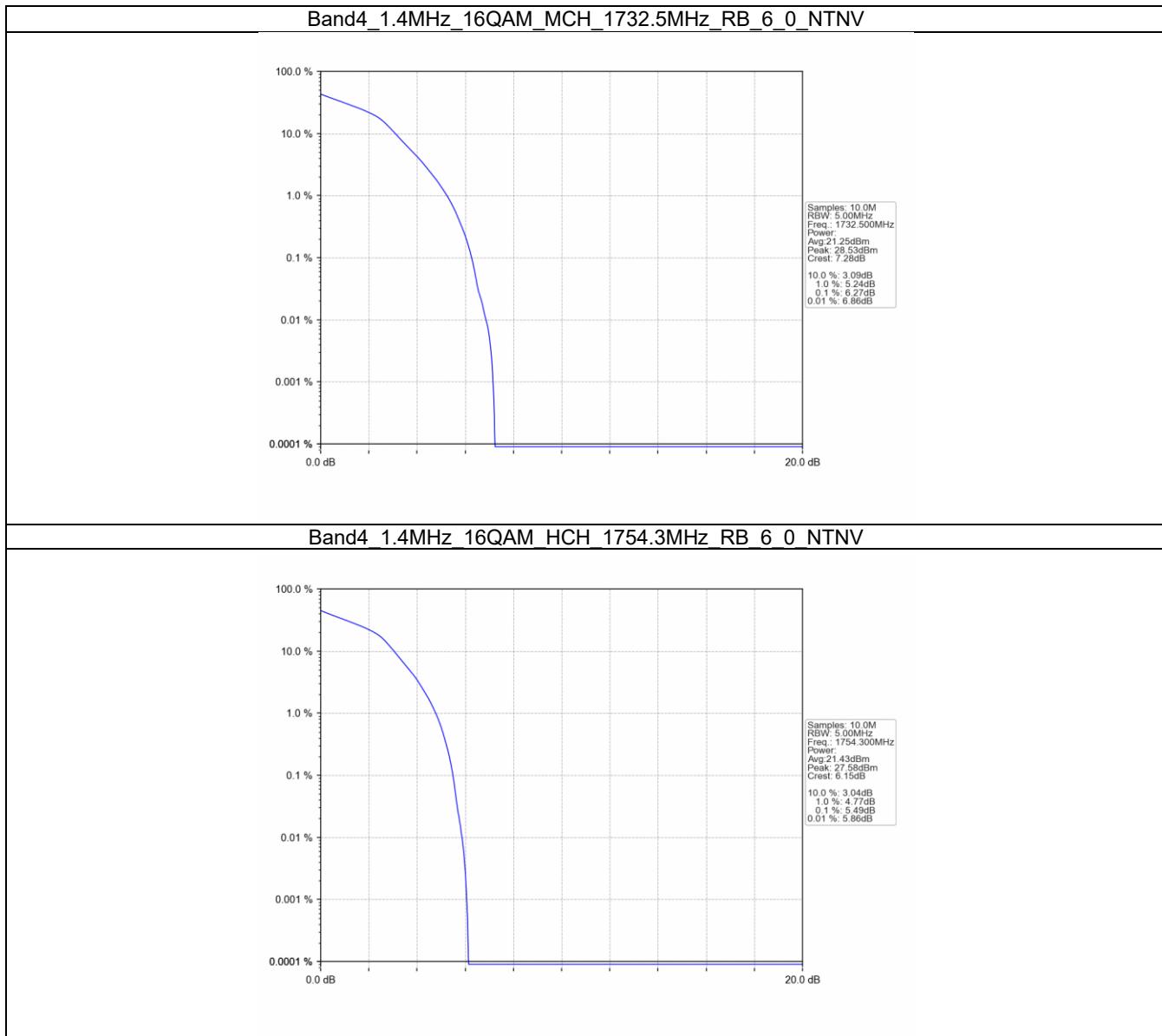
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.67	<=13	Pass
	1732.5	100	0	5.70	<=13	Pass
	1745	100	0	5.62	<=13	Pass
16QAM	1720	100	0	6.59	<=13	Pass
	1732.5	100	0	6.67	<=13	Pass
	1745	100	0	6.58	<=13	Pass

5.2 Test Graph

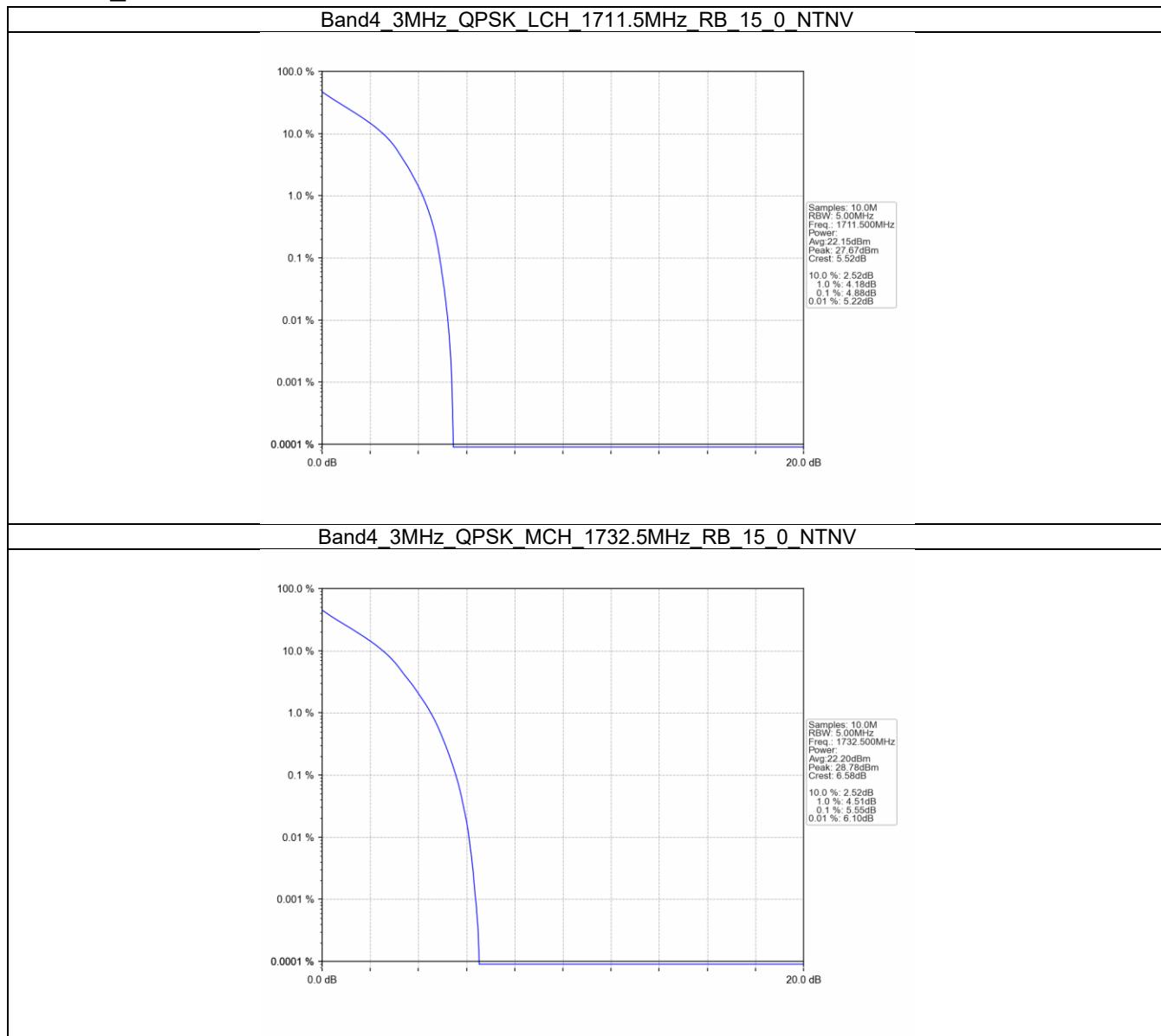
5.2.1 B4_1.4MHz

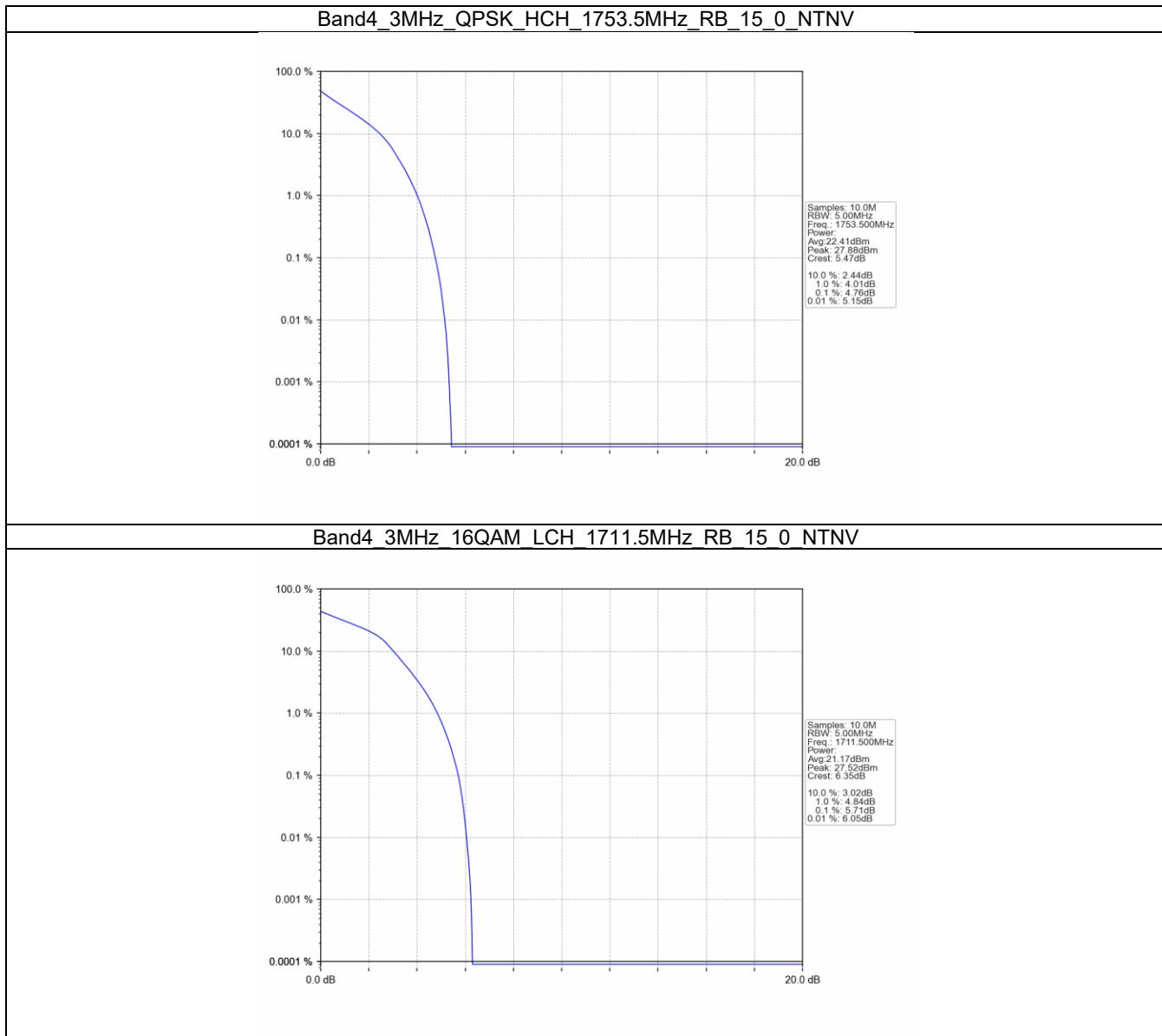


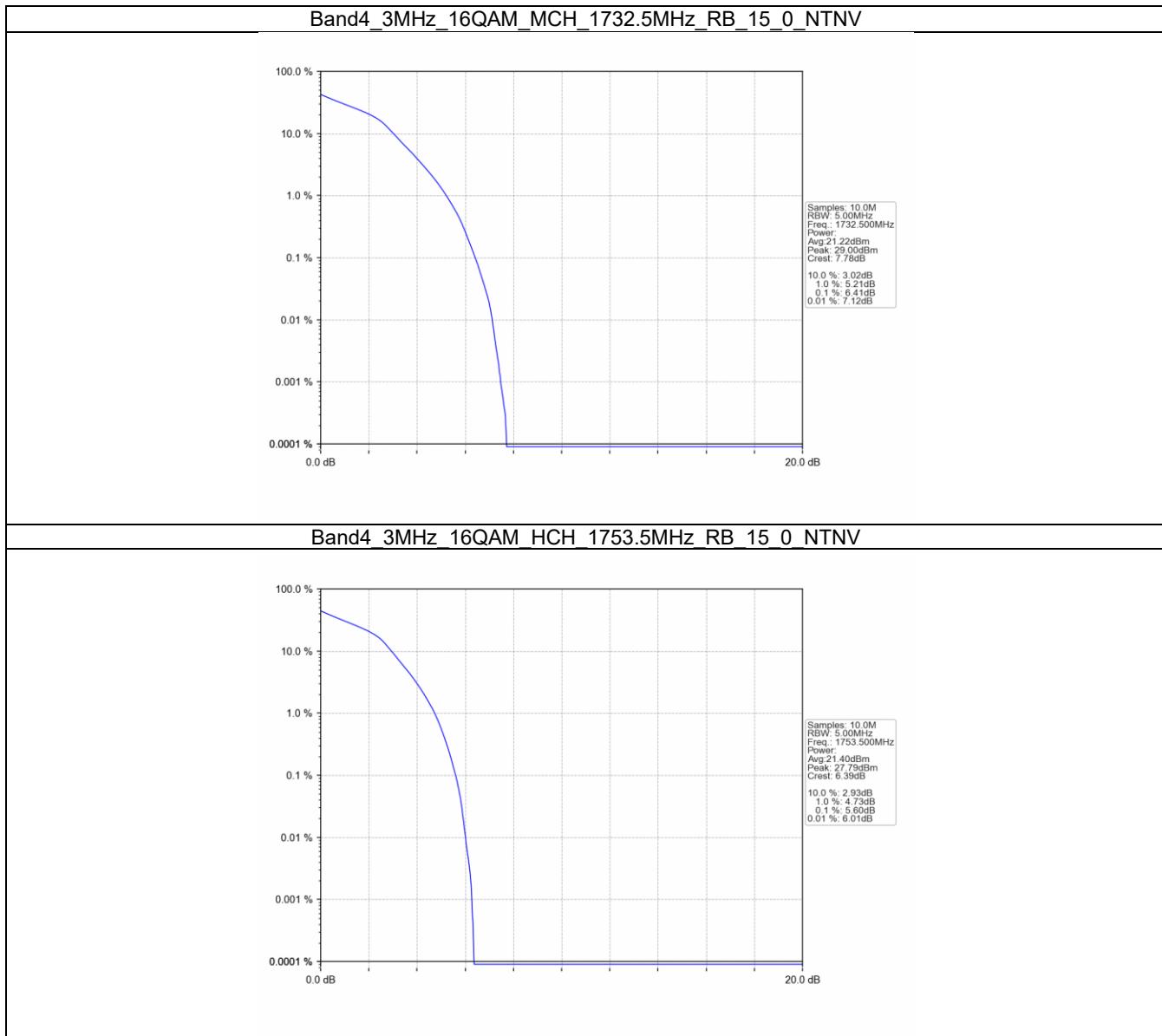




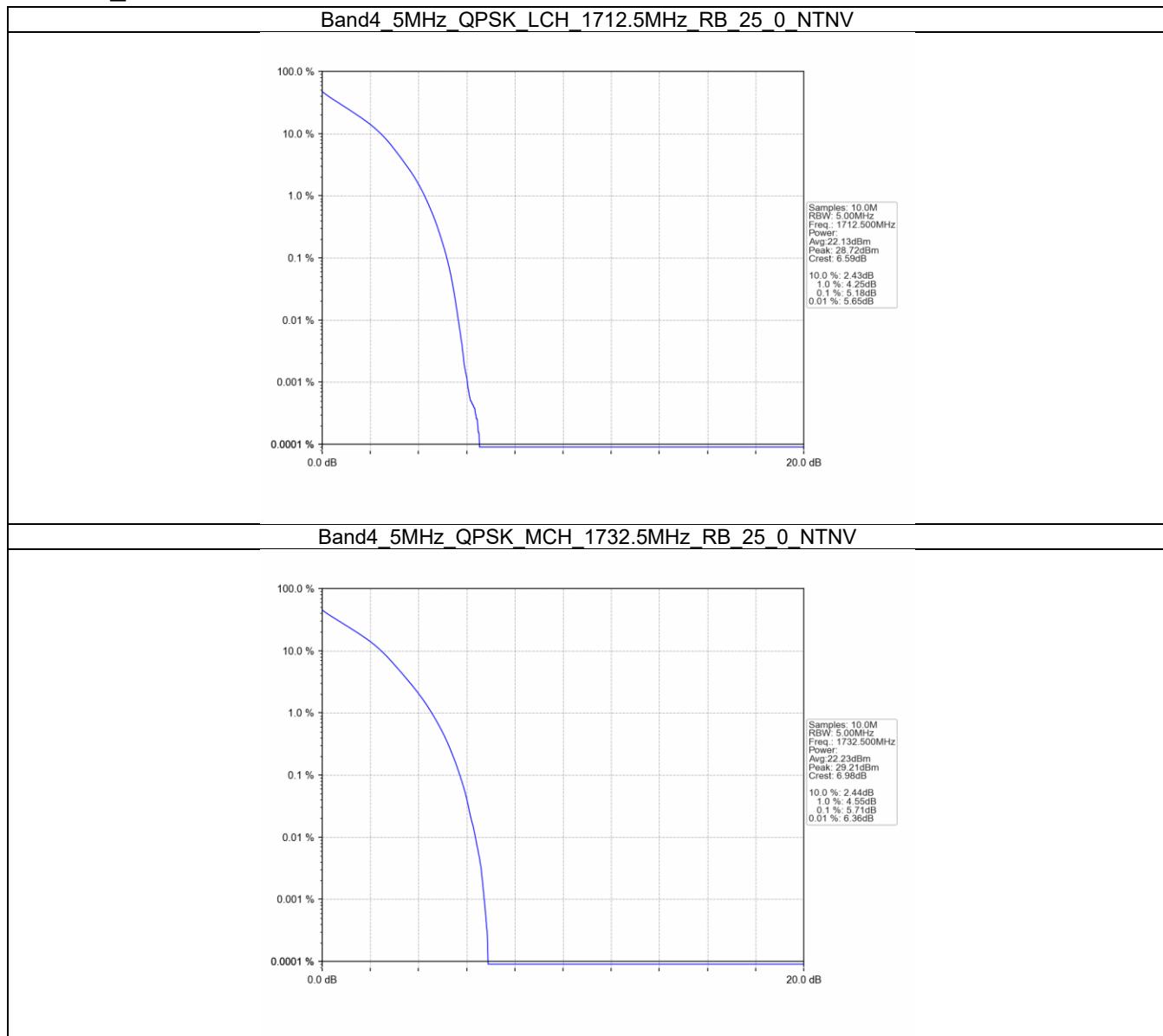
5.2.2 B4_3MHz

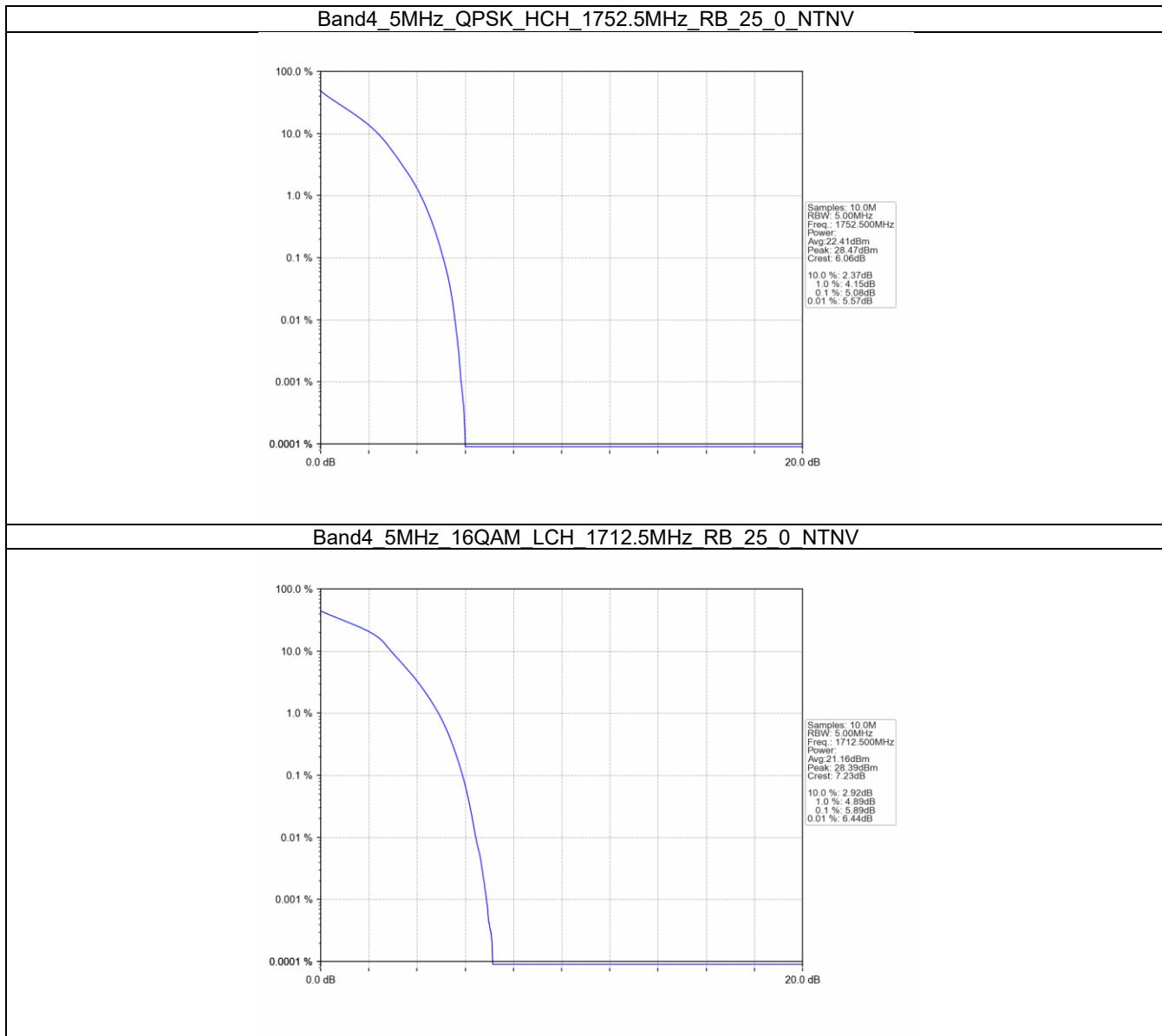


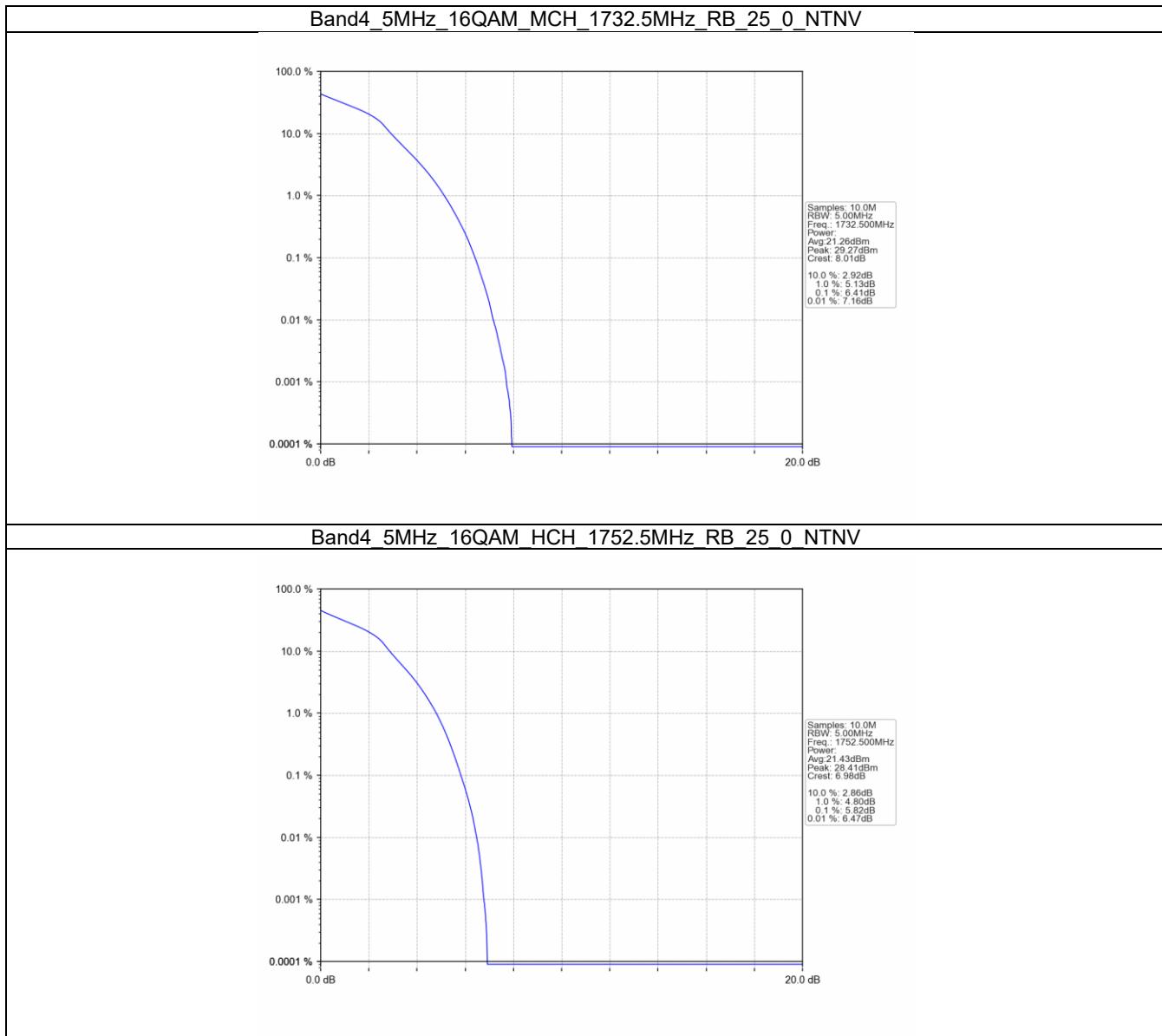




5.2.3 B4_5MHz

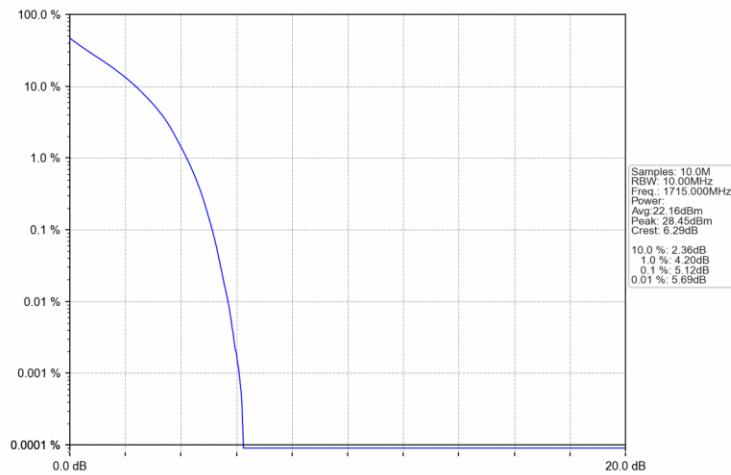




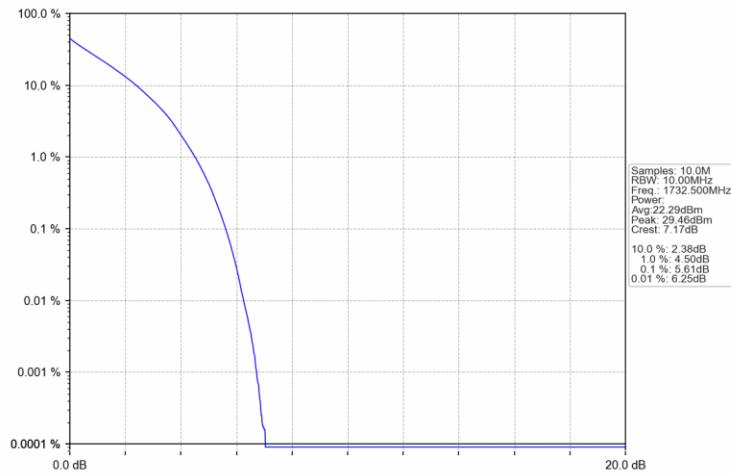


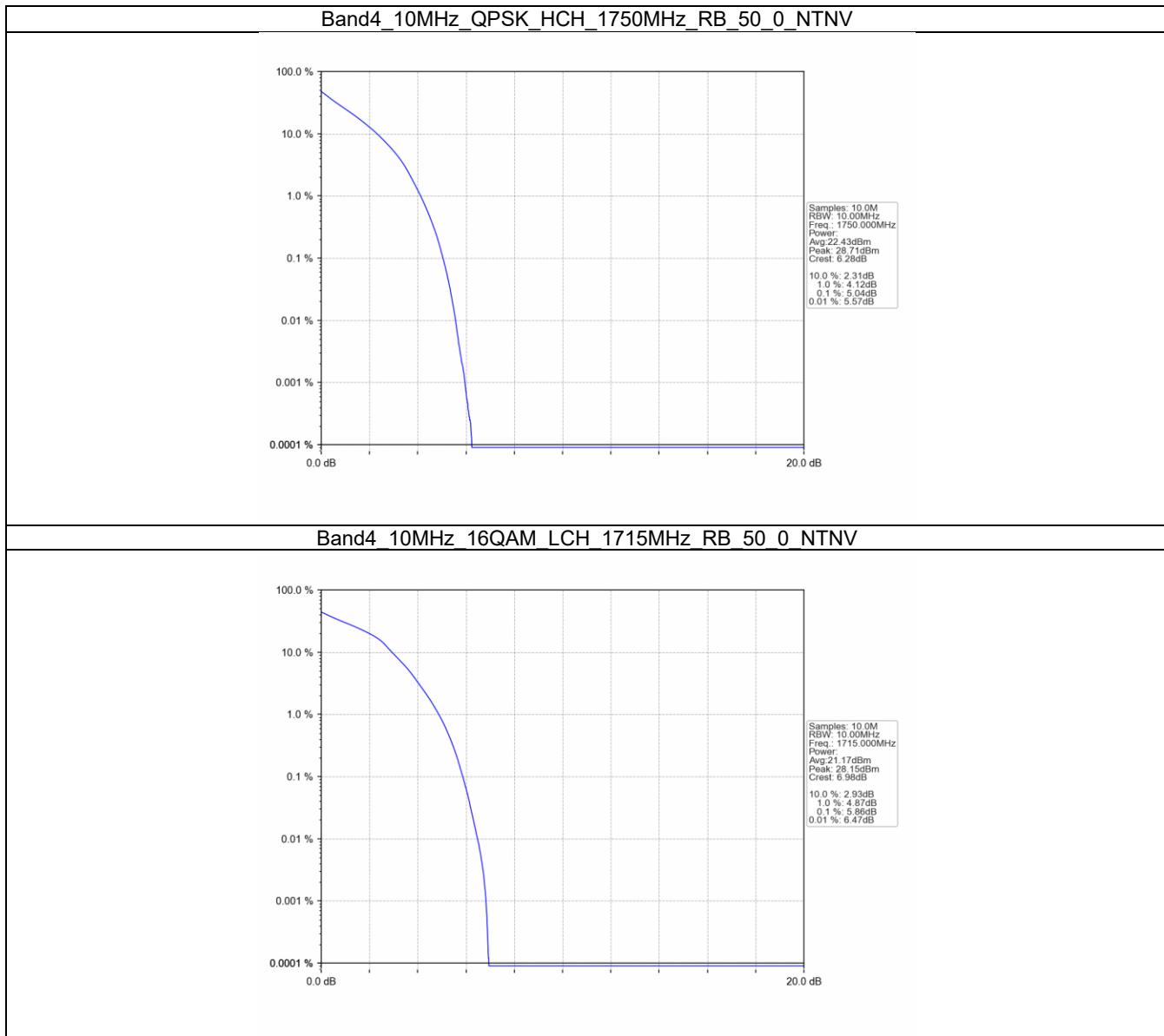
5.2.4 B4_10MHz

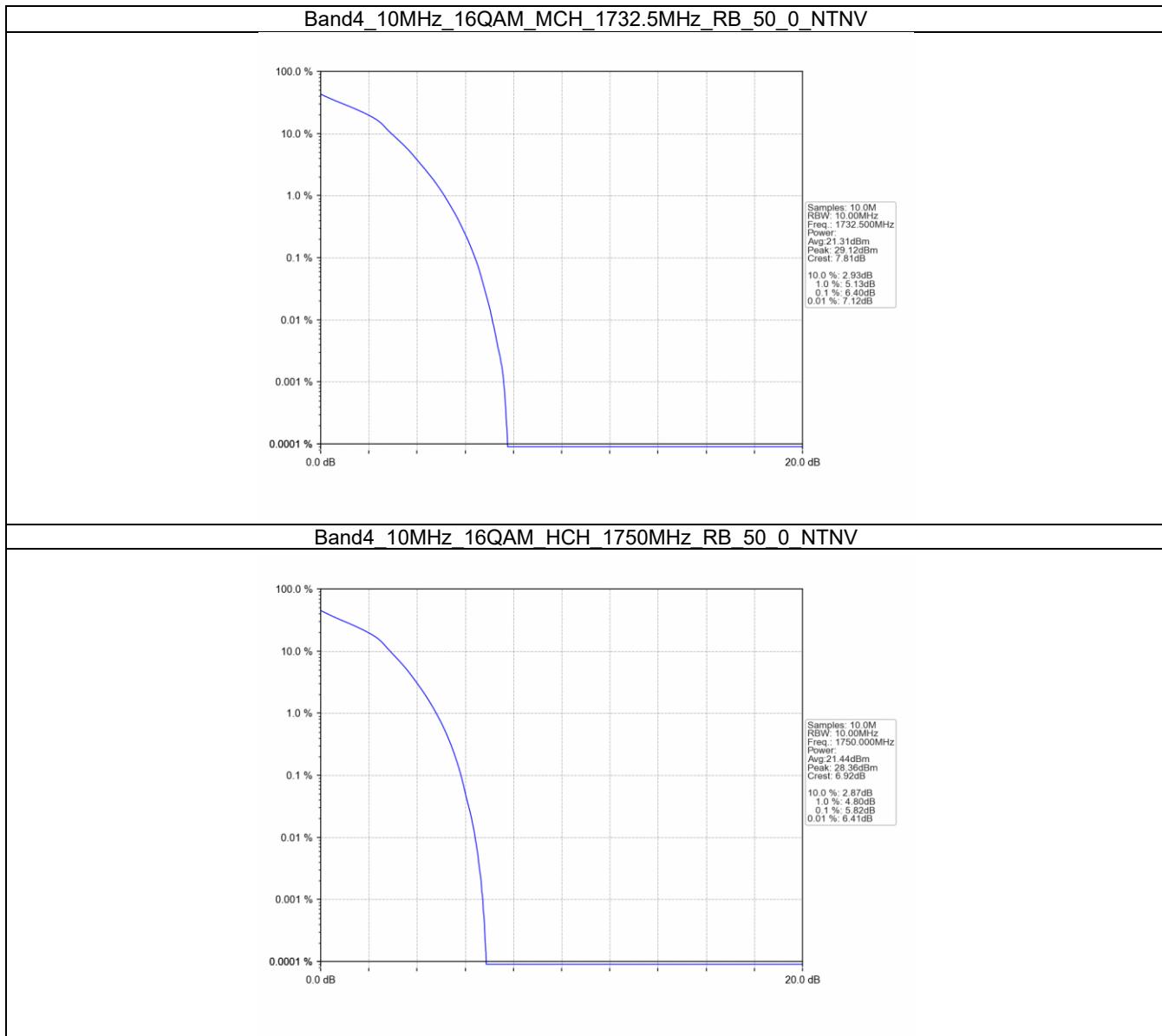
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



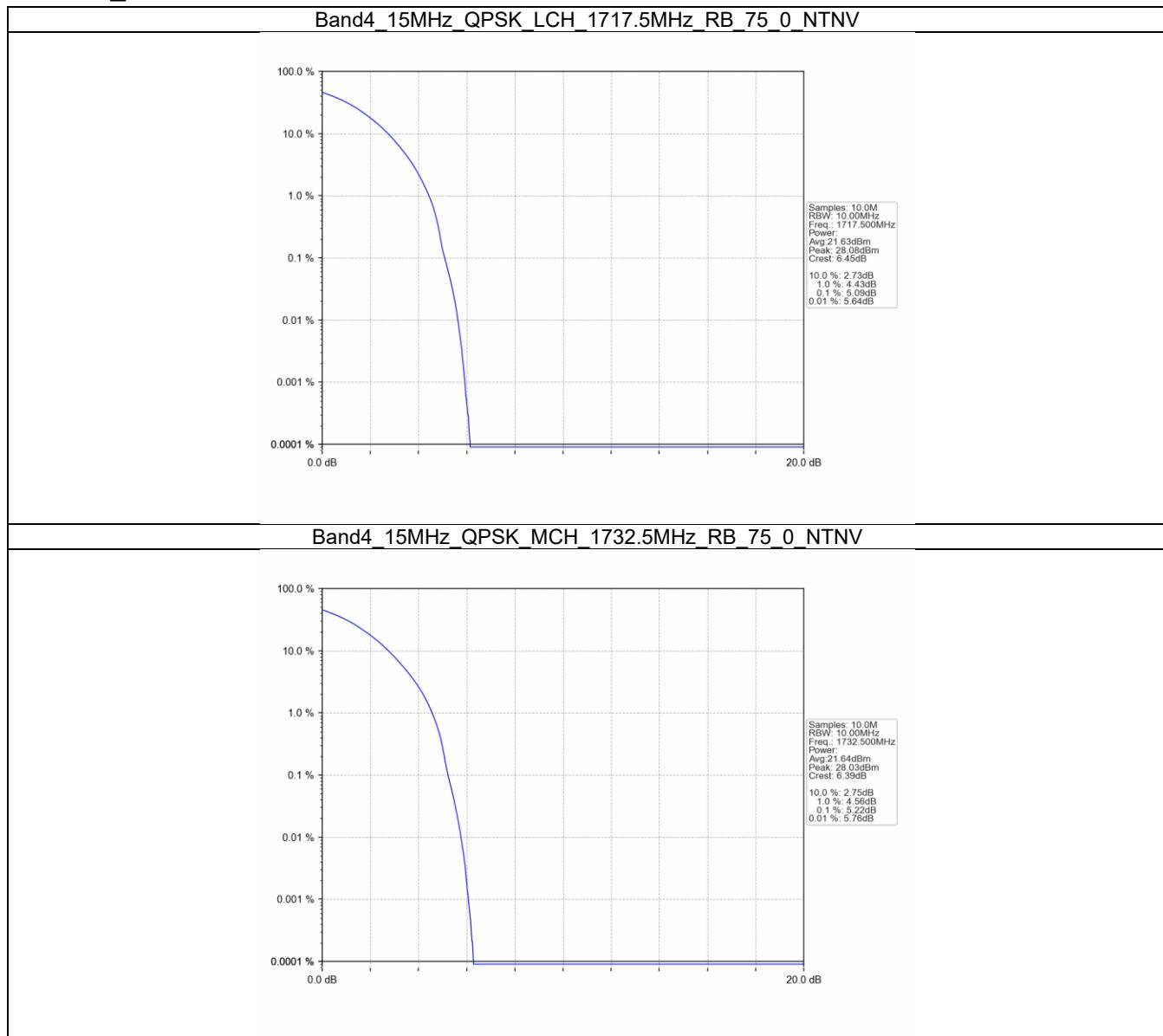
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

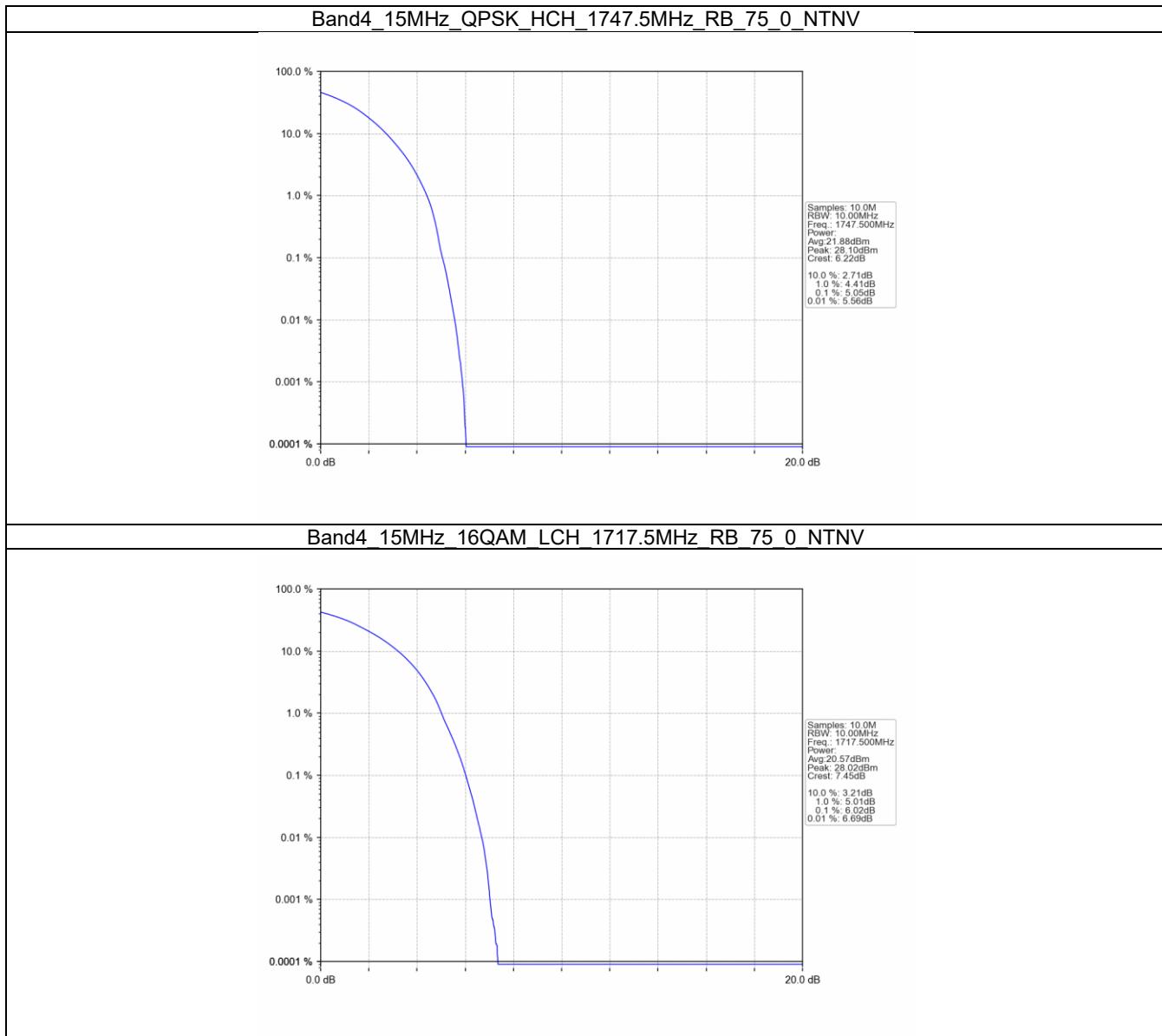


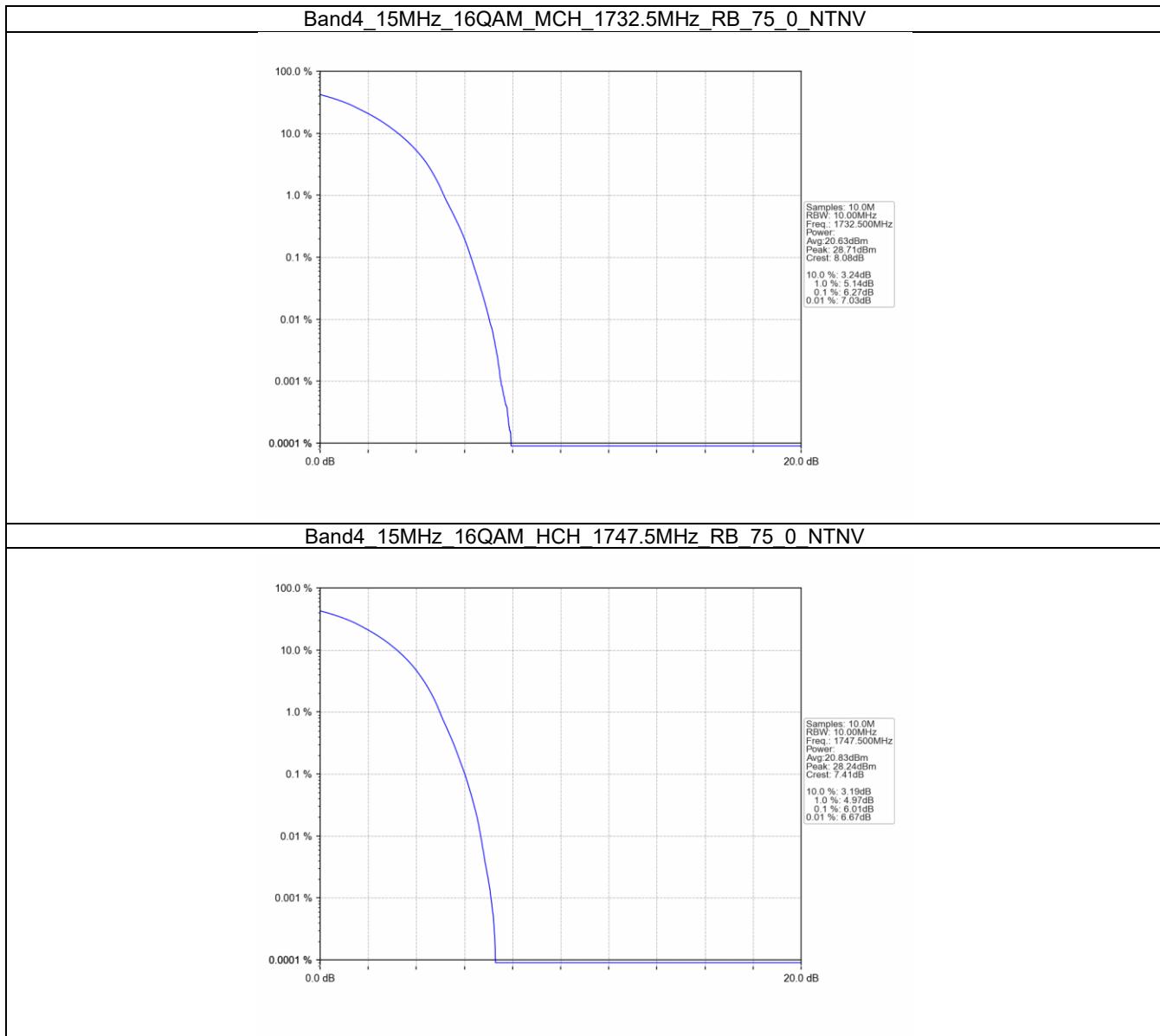




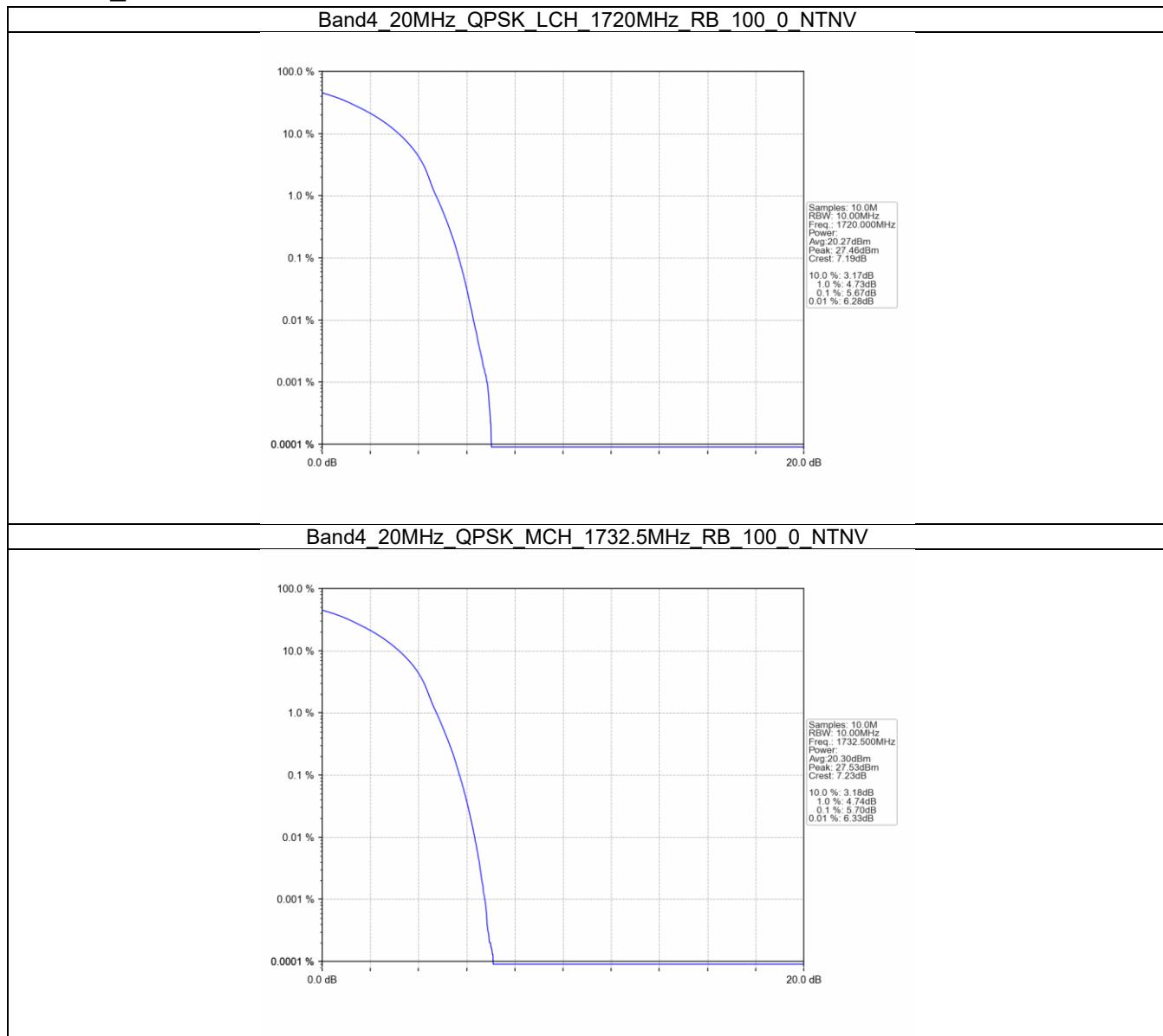
5.2.5 B4_15MHz

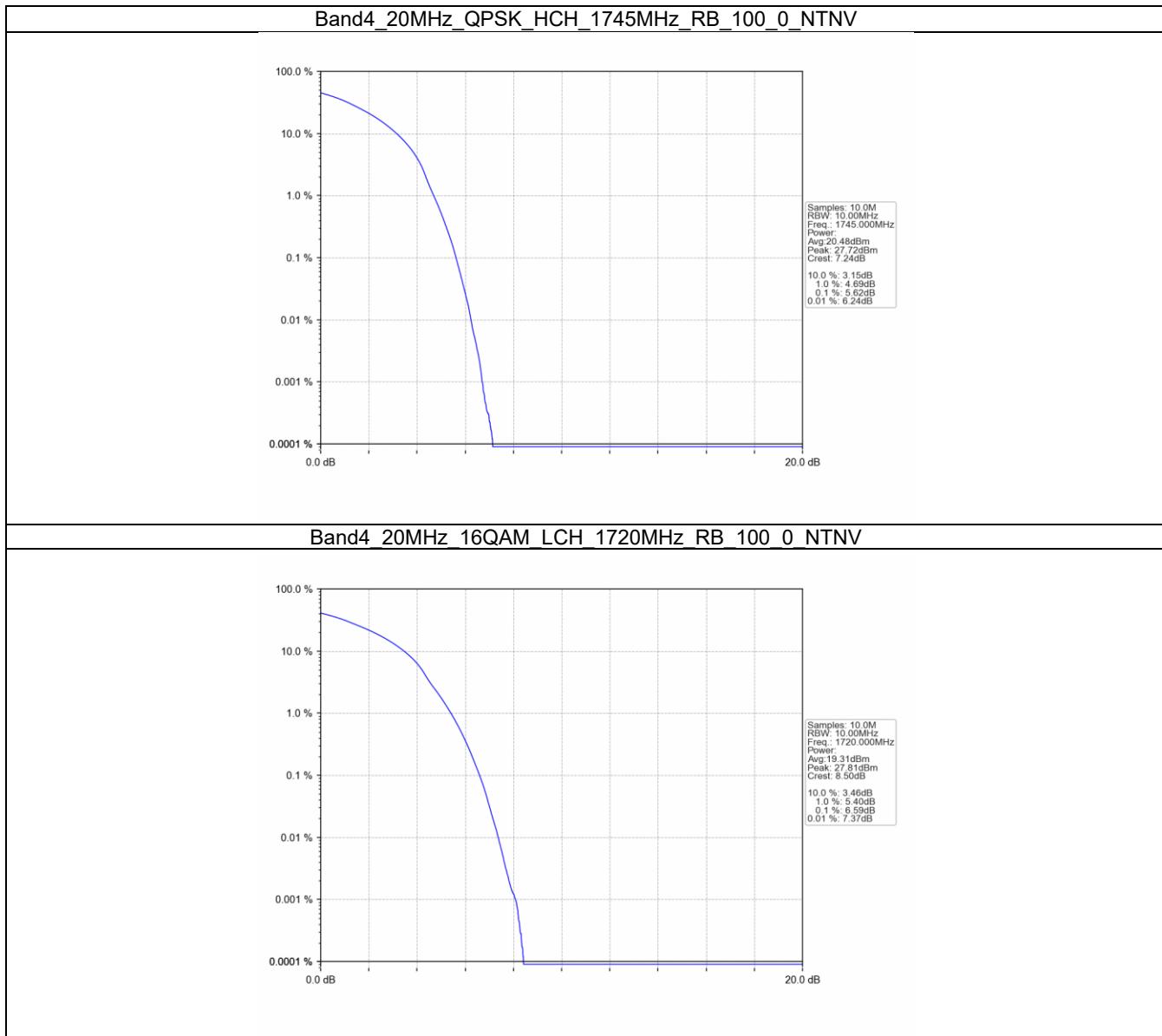


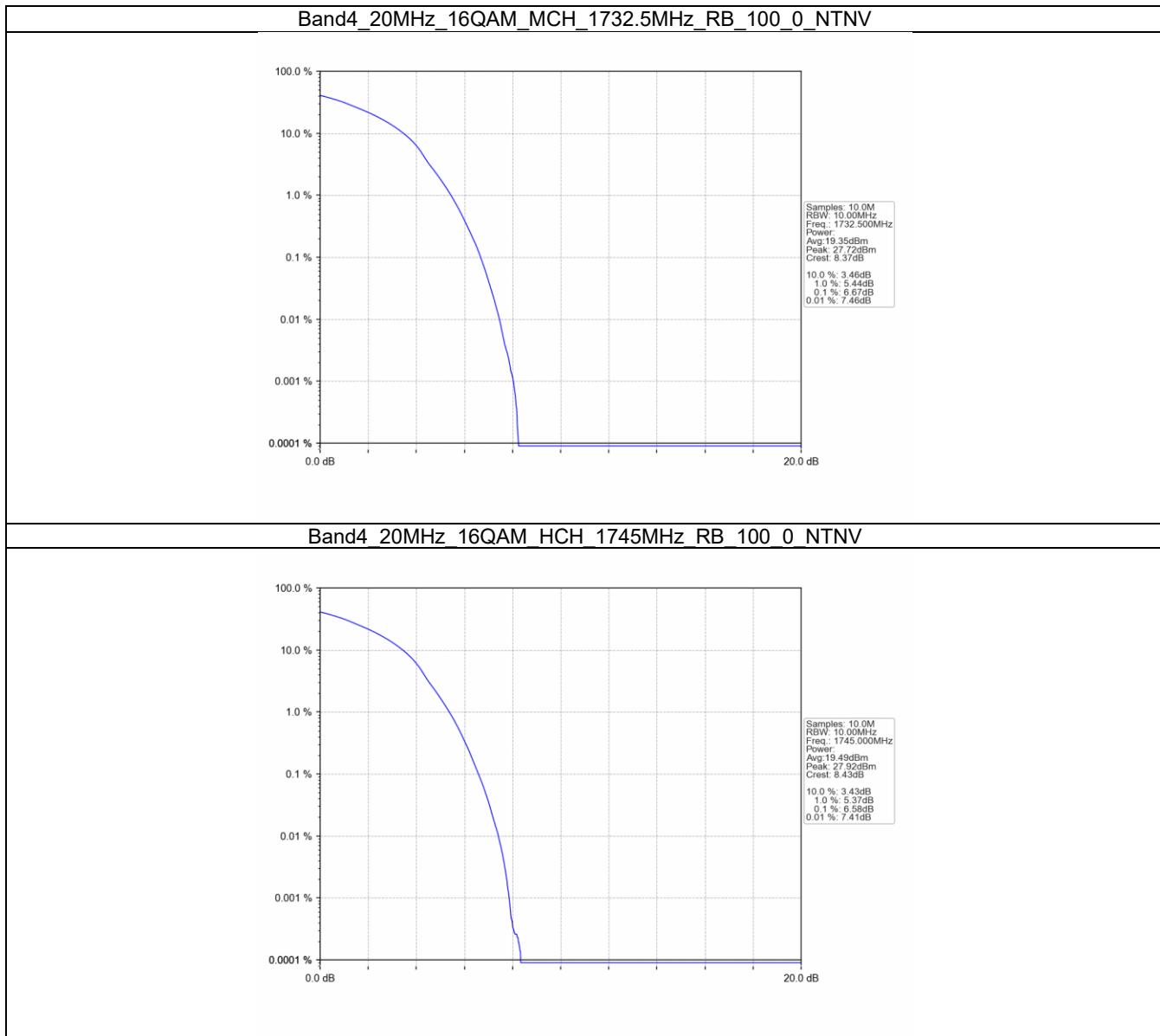




5.2.6 B4_20MHz







6. Spurious Emission

6.1 Test Result

6.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTV							
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	
		1	0	Refer To Test Graph		Pass	
	1754.3		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	
		1	0	Refer To Test Graph		Pass	
	1754.3		5	Refer To Test Graph		Pass	
			6	Refer To Test Graph		Pass	

6.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTV							
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	
		1	0	Refer To Test Graph		Pass	
	1753.5		14	Refer To Test Graph		Pass	
			15	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	
		1	0	Refer To Test Graph		Pass	
	1753.5		14	Refer To Test Graph		Pass	
			15	Refer To Test Graph		Pass	

6.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTV							
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	
		1	0	Refer To Test Graph		Pass	
	1752.5		24	Refer To Test Graph		Pass	
			25	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 / NTV							
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	
		1	0	Refer To Test Graph		Pass	
	1750		49	Refer To Test Graph		Pass	
			50	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	
		1	0	Refer To Test Graph		Pass	
	1750		49	Refer To Test Graph		Pass	
			50	Refer To Test Graph		Pass	

6.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTV							
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	
		1	0	Refer To Test Graph		Pass	
	1747.5		74	Refer To Test Graph		Pass	
			75	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	
		1	0	Refer To Test Graph		Pass	
	1747.5		74	Refer To Test Graph		Pass	
			75	Refer To Test Graph		Pass	

6.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTV							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	1720	1	0	Refer To Test Graph		Pass	
		100	0	Refer To Test Graph		Pass	
	1732.5	1	0	Refer To Test Graph		Pass	
		1	0	Refer To Test Graph		Pass	
	1745		99	Refer To Test Graph		Pass	
			100	Refer To Test Graph		Pass	
16QAM	1720	1	0	Refer To Test Graph		Pass	
		100	0	Refer To Test Graph		Pass	
	1732.5	1	0	Refer To Test Graph		Pass	
		1	0	Refer To Test Graph		Pass	
	1745		99	Refer To Test Graph		Pass	
			99	Refer To Test Graph		Pass	

		100	0	Refer To Test Graph	Pass
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6.2 Test Graph

6.2.1 B4_1.4MHz

