1. Peak-Average Ratio

1.1 B12_1.4MHz

1.1.1 Test Result

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.28	<=13	Pass
	707.5	6	0	5.39	<=13	Pass
	715.3	6	0	4.08	<=13	Pass
16QAM	699.7	6	0	5.66	<=13	Pass
	707.5	6	0	5.92	<=13	Pass
	715.3	6	0	4.35	<=13	Pass

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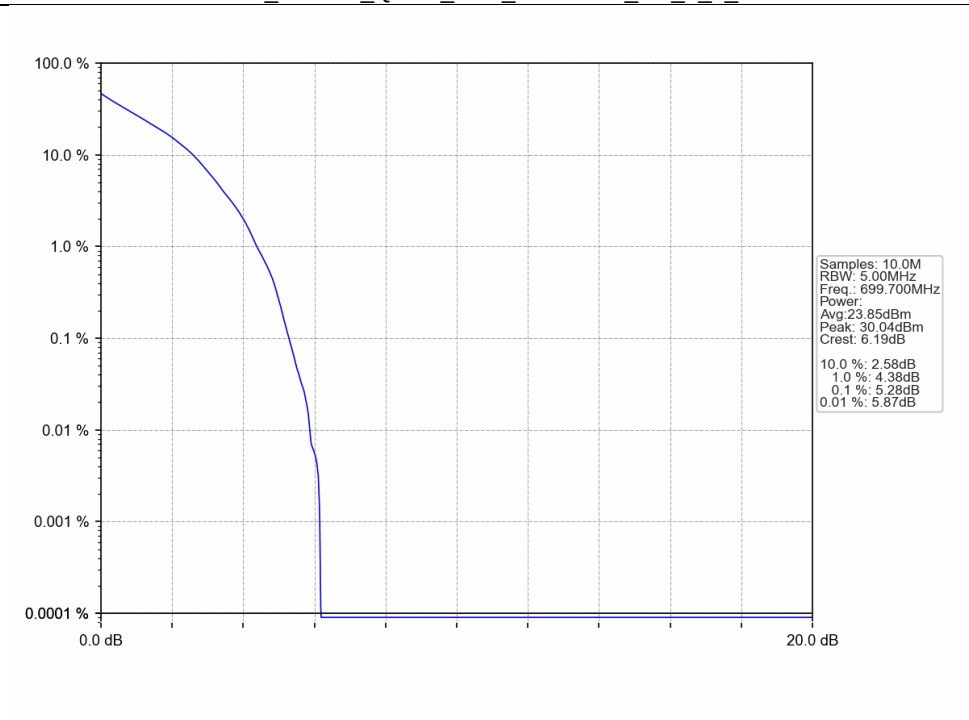
1.1.2 Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV

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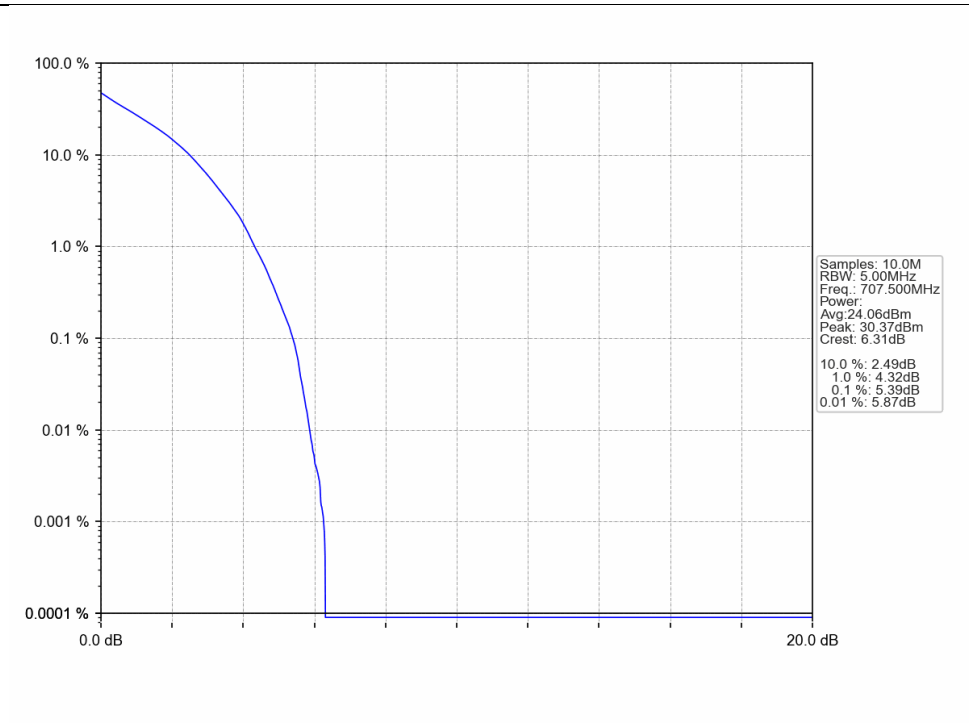

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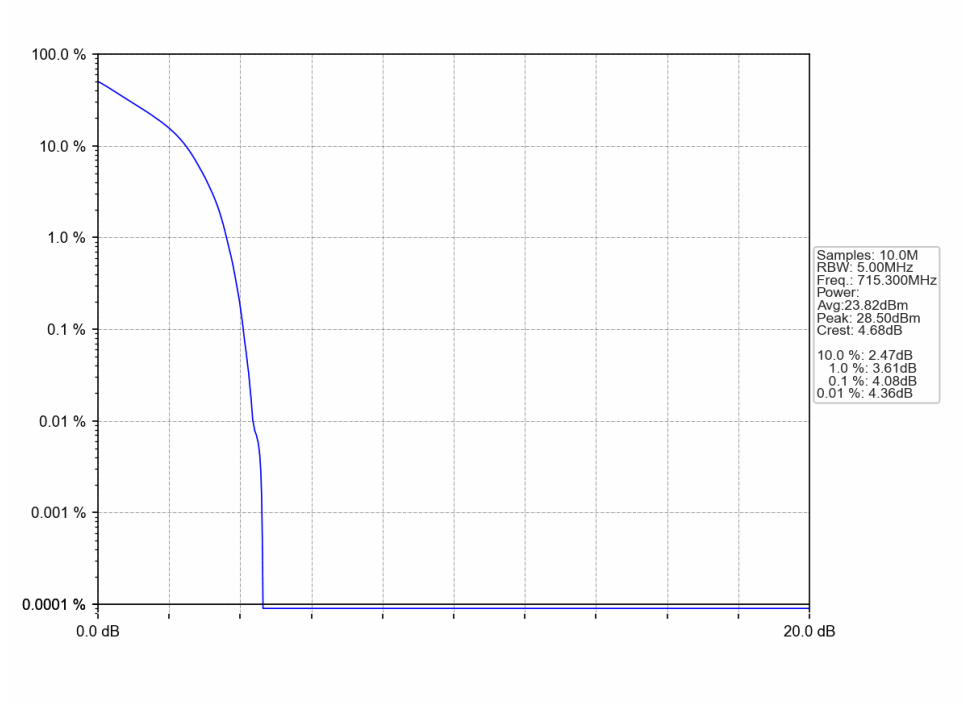
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

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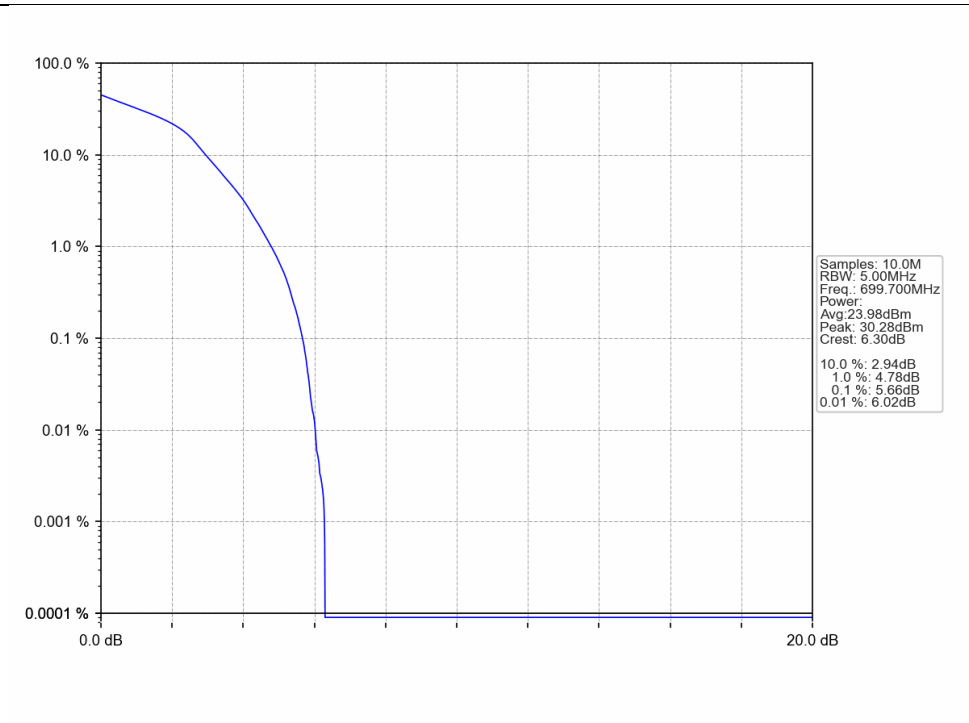

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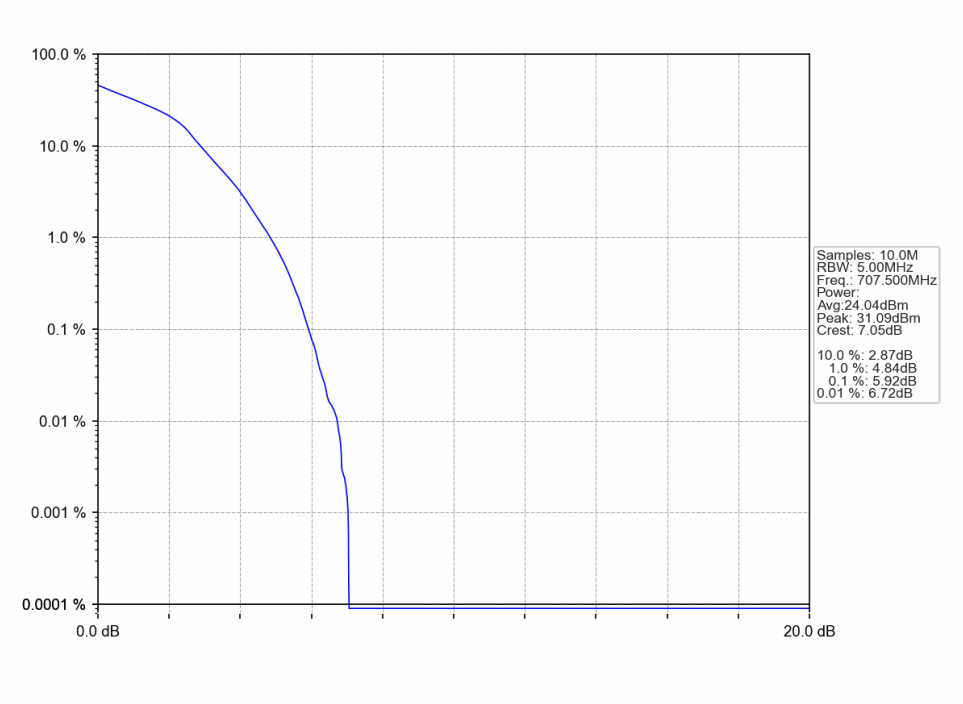
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV

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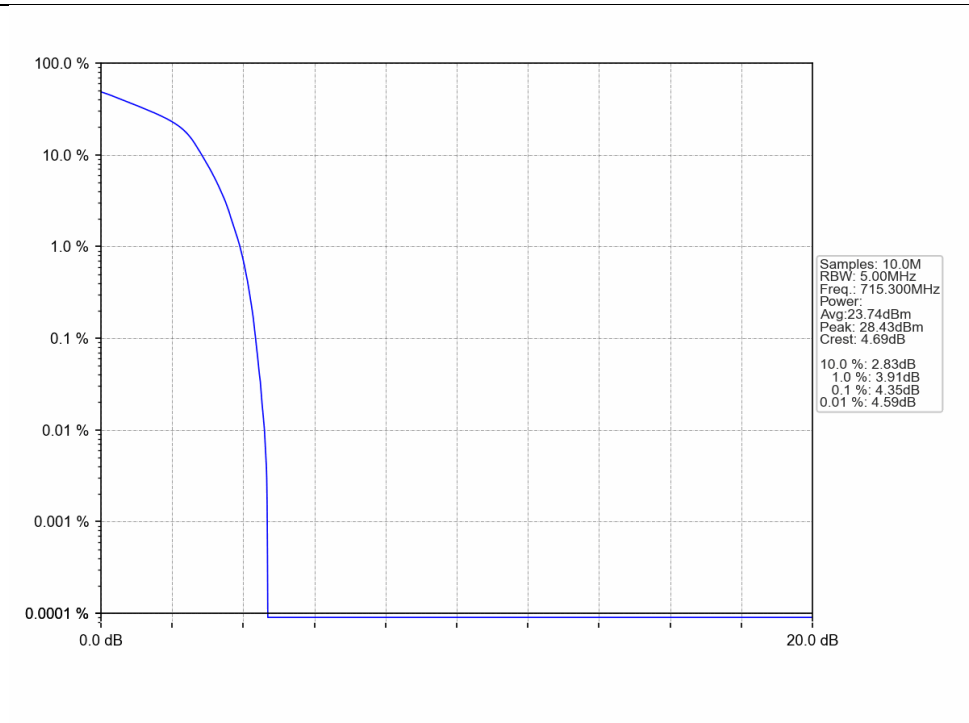

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1.2 B12_3MHz

1.2.1 Test Result

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.41	<=13	Pass
	707.5	15	0	5.36	<=13	Pass
	714.5	15	0	4.25	<=13	Pass
16QAM	700.5	15	0	5.88	<=13	Pass
	707.5	15	0	6.04	<=13	Pass
	714.5	15	0	4.52	<=13	Pass

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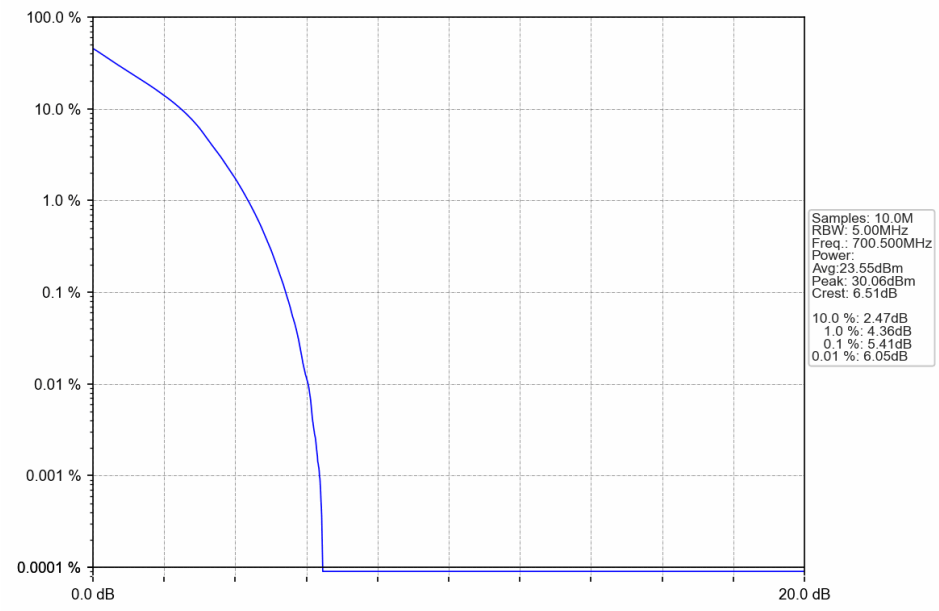
1.2.2 Test Graph

Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV

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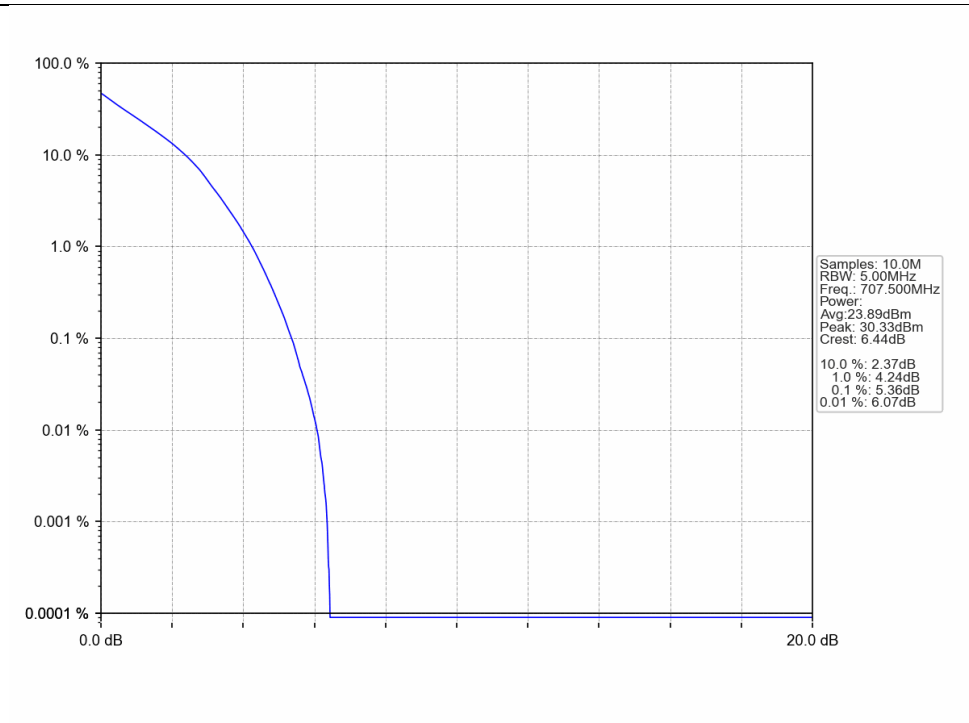

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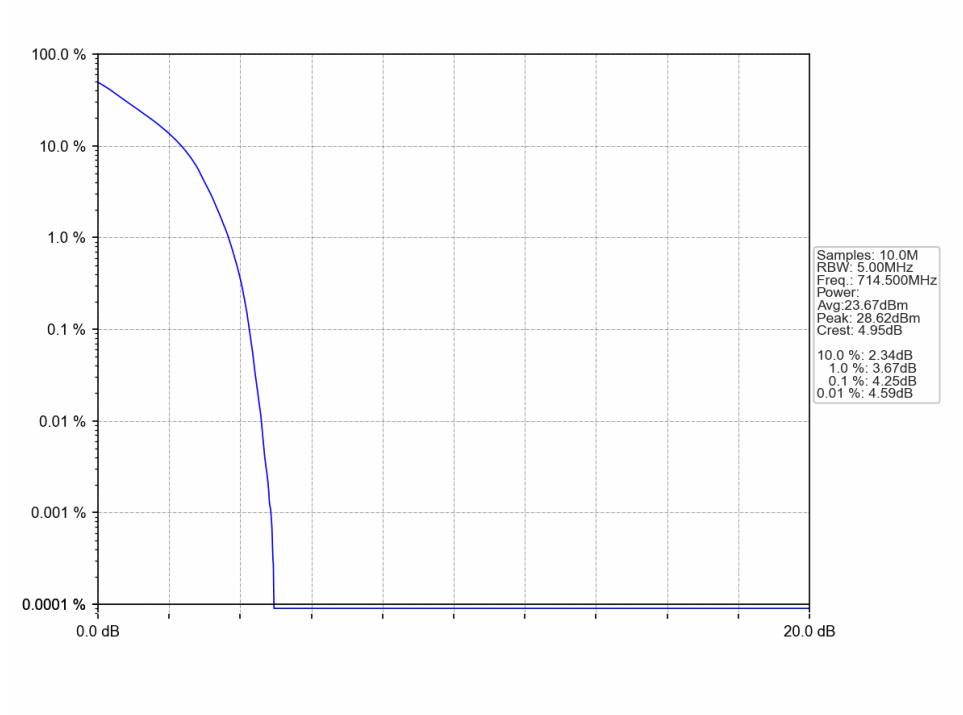

Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

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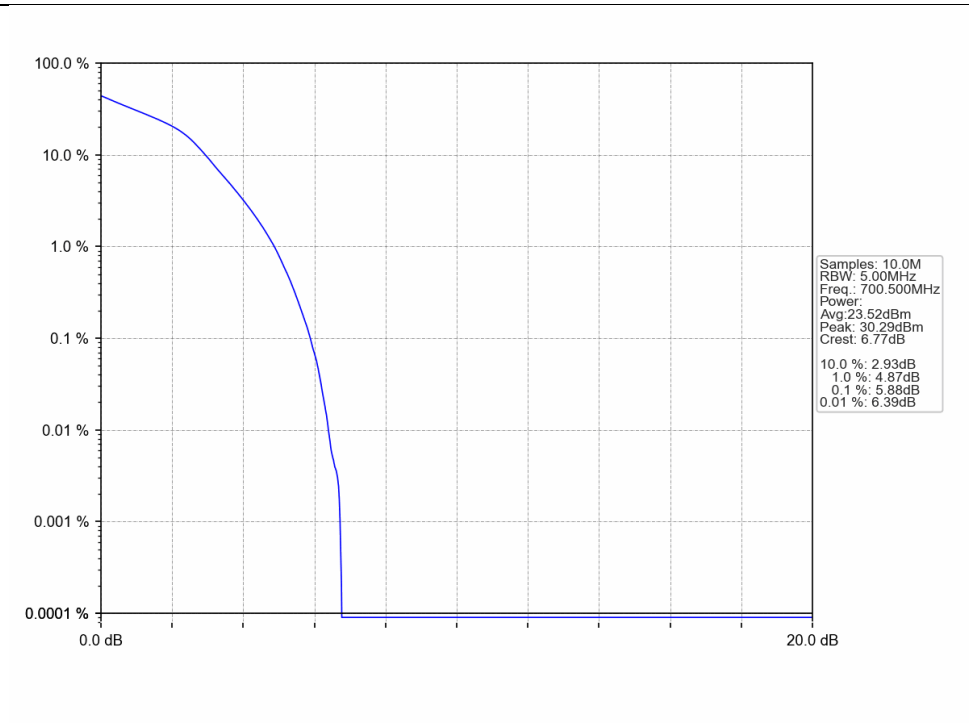

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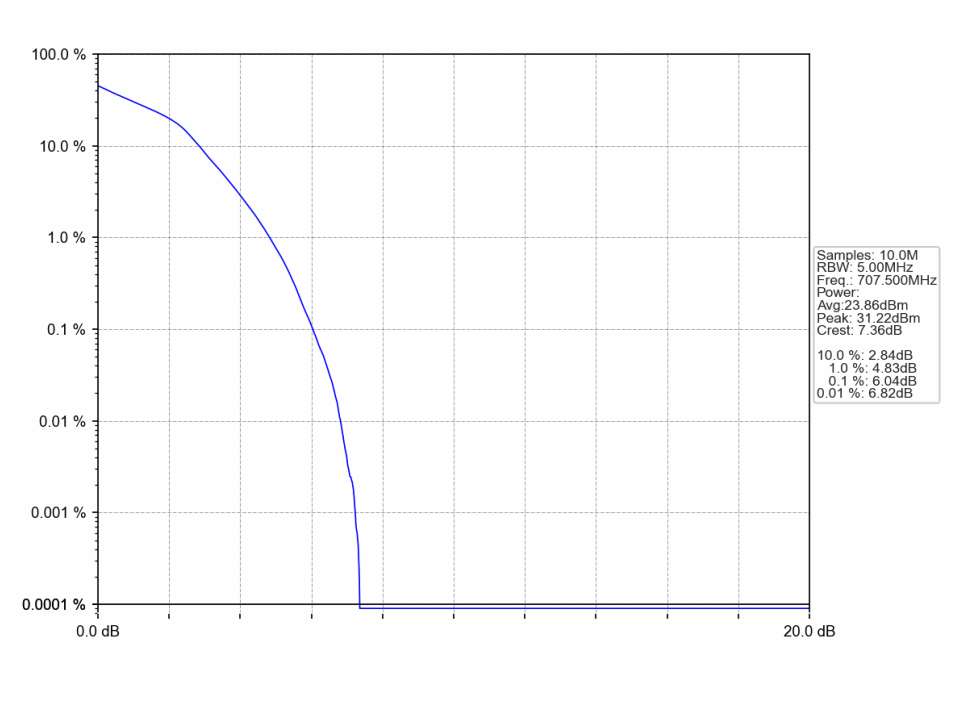

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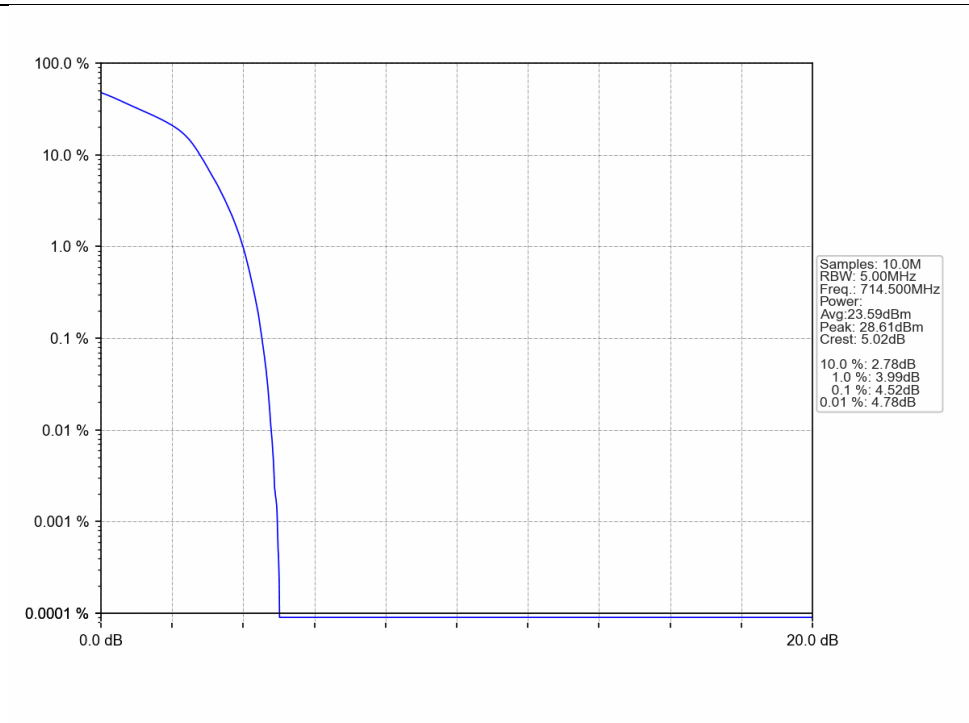

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1.3 B12_5MHz

1.3.1 Test Result

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.43	<=13	Pass
	707.5	25	0	5.56	<=13	Pass
	713.5	25	0	4.74	<=13	Pass
16QAM	701.5	25	0	5.85	<=13	Pass
	707.5	25	0	6.07	<=13	Pass
	713.5	25	0	5.14	<=13	Pass

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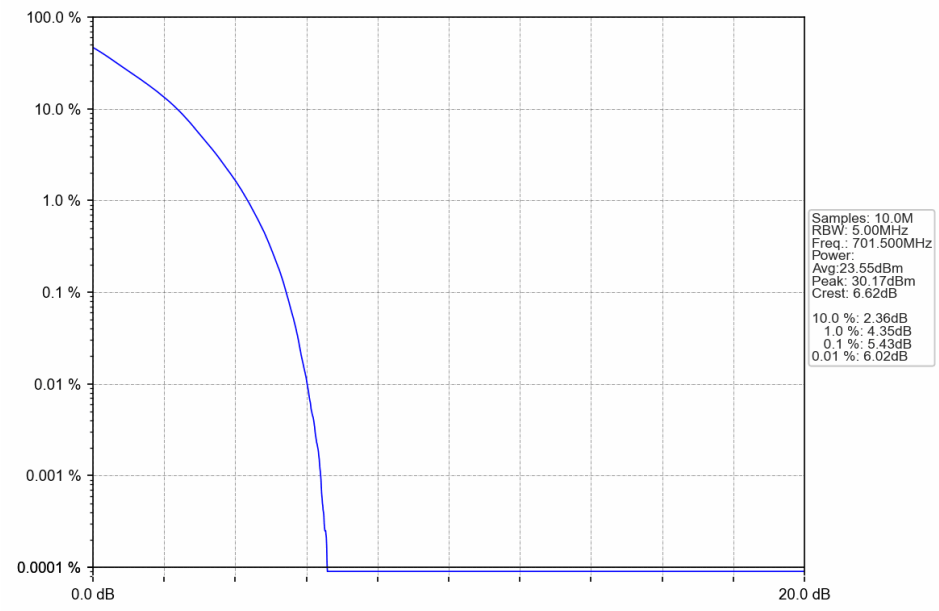
1.3.2 Test Graph

Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV

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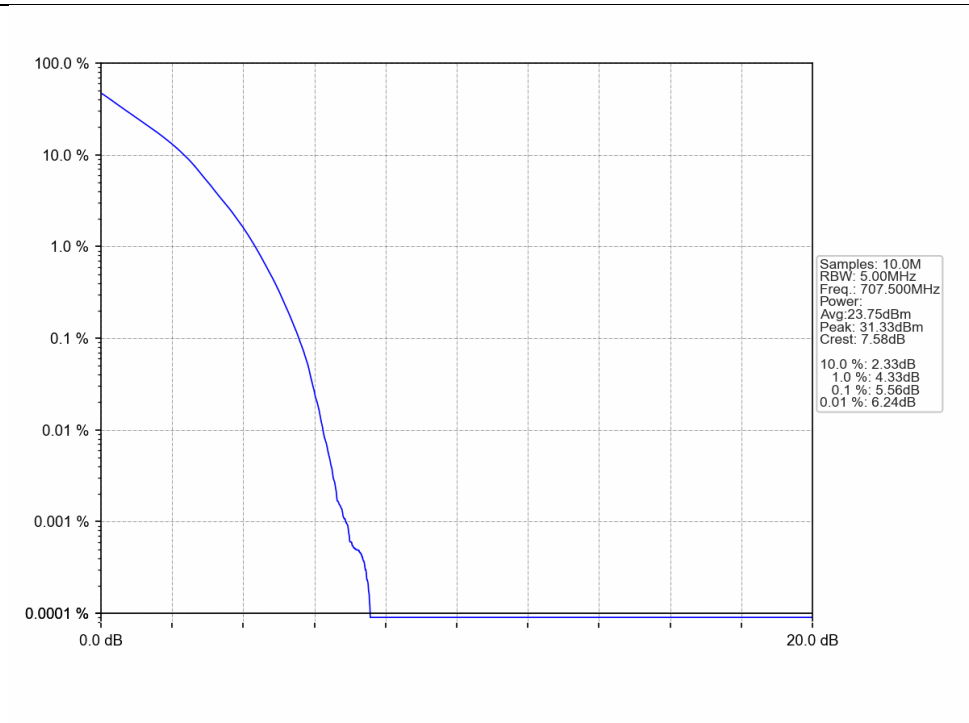

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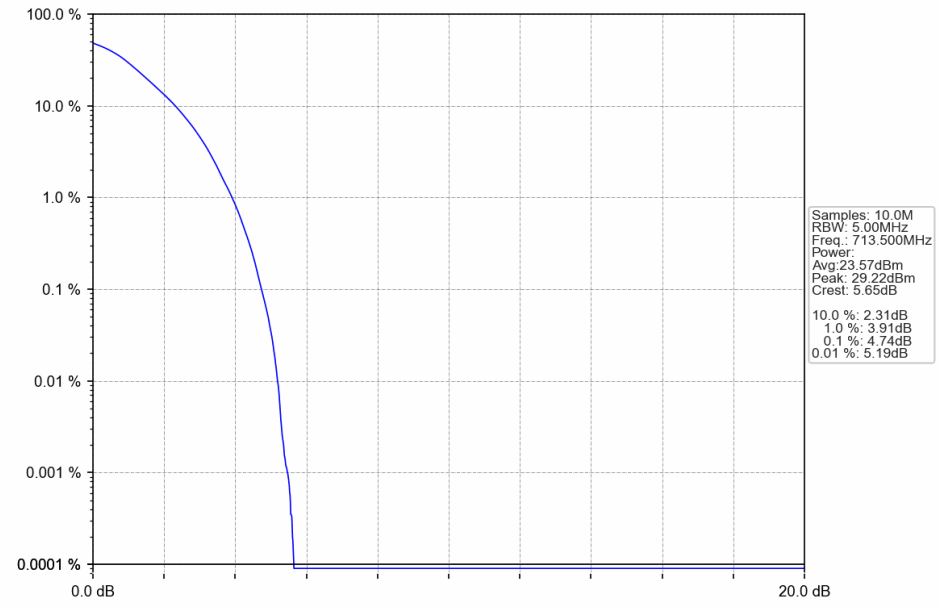
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

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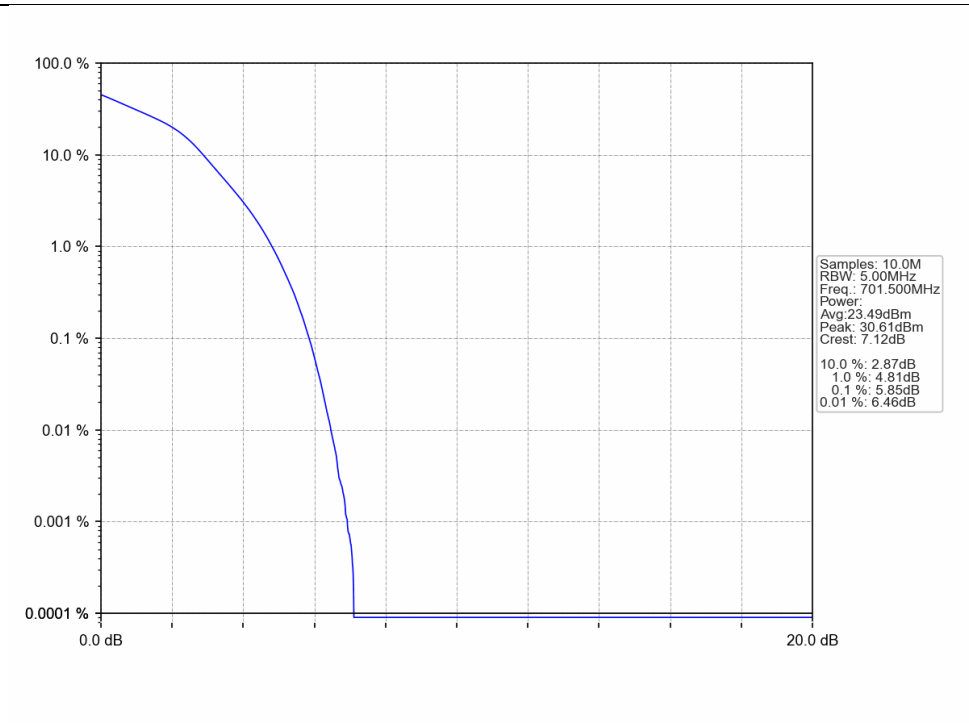

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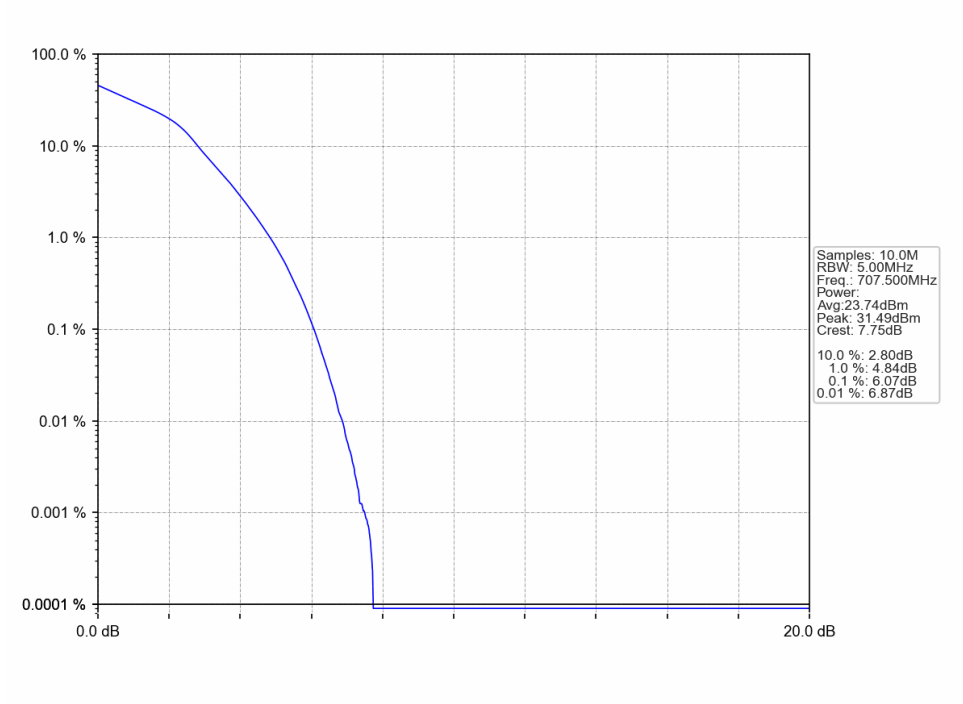
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

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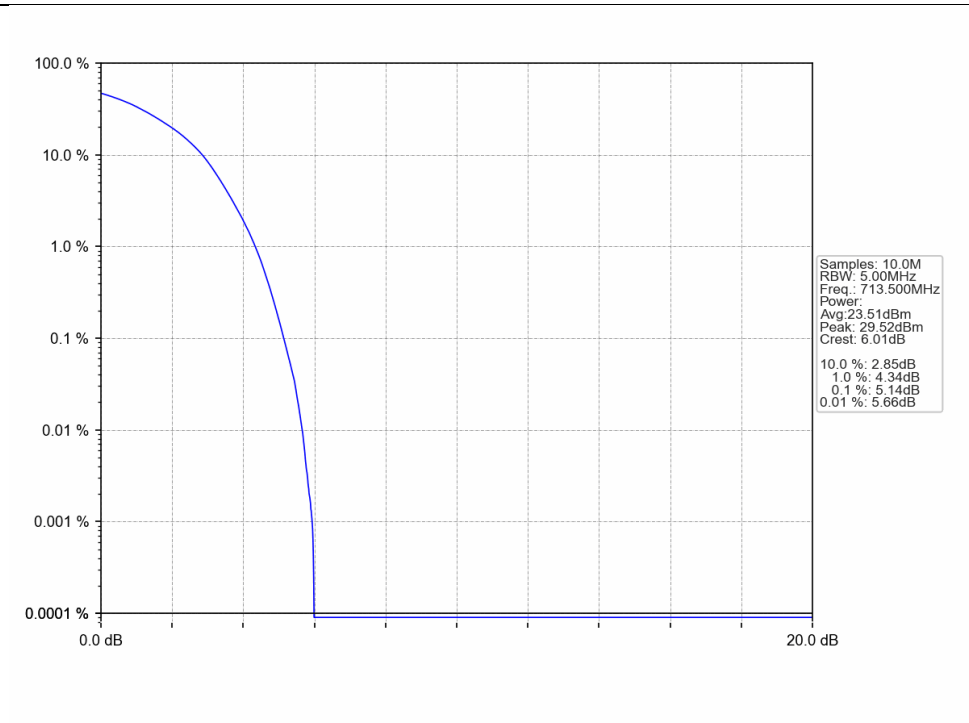

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1.4 B12_10MHz

1.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.32	<=13	Pass
	707.5	50	0	5.49	<=13	Pass
	711	50	0	5.12	<=13	Pass
16QAM	704	50	0	5.80	<=13	Pass
	707.5	50	0	5.91	<=13	Pass
	711	50	0	5.49	<=13	Pass

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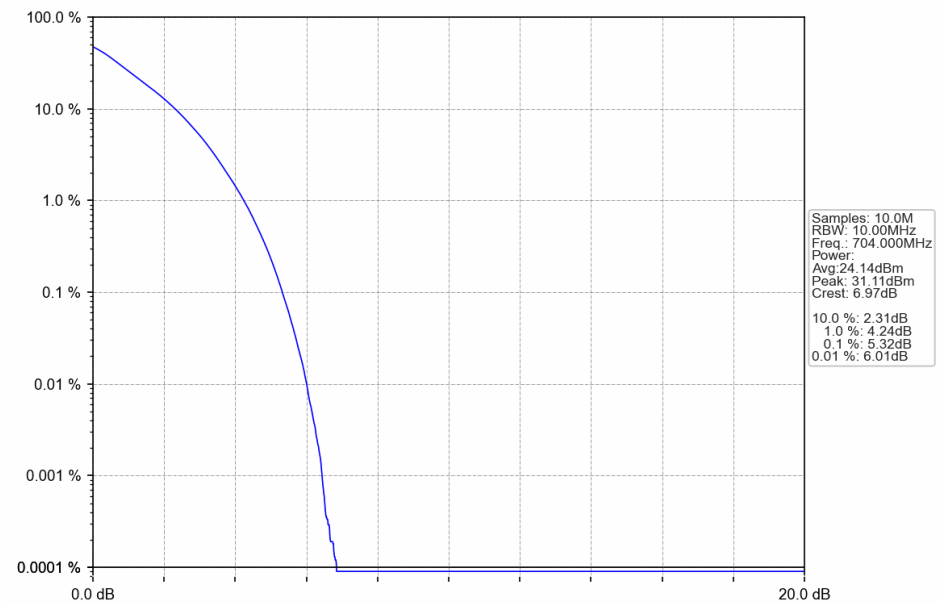
1.4.2 Test Graph

Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV

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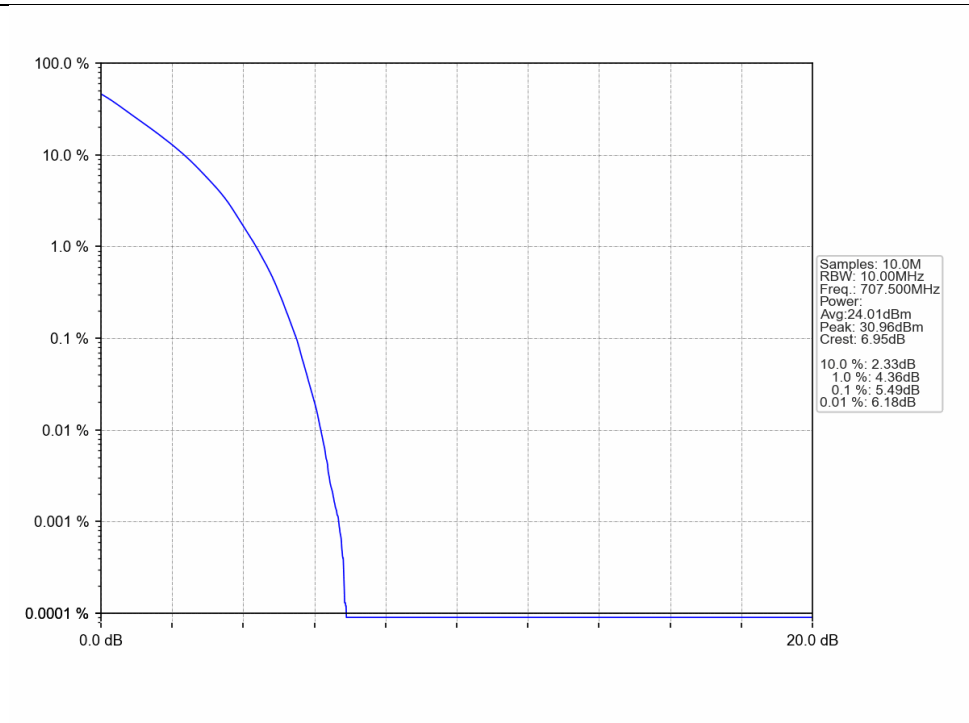

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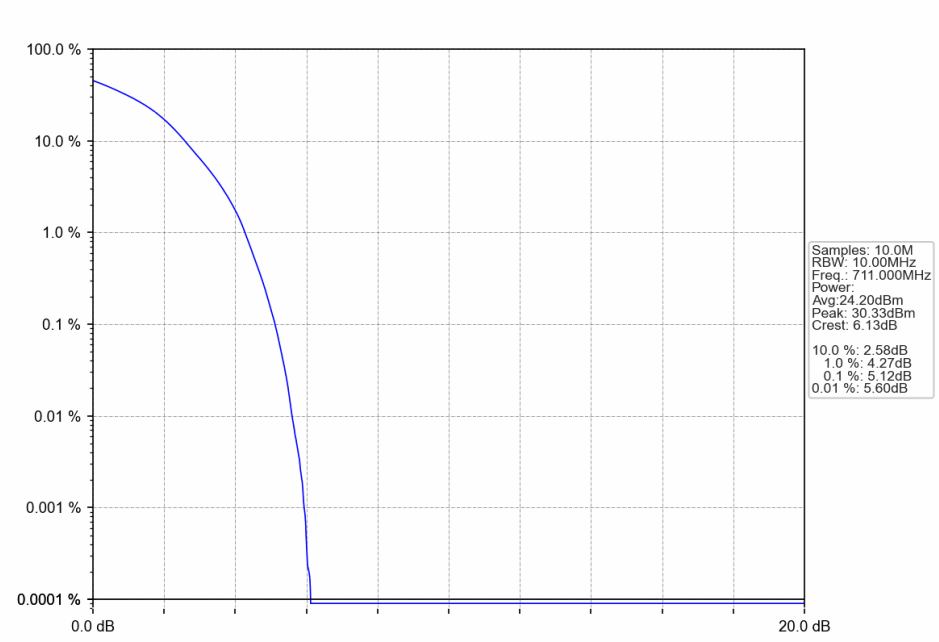
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

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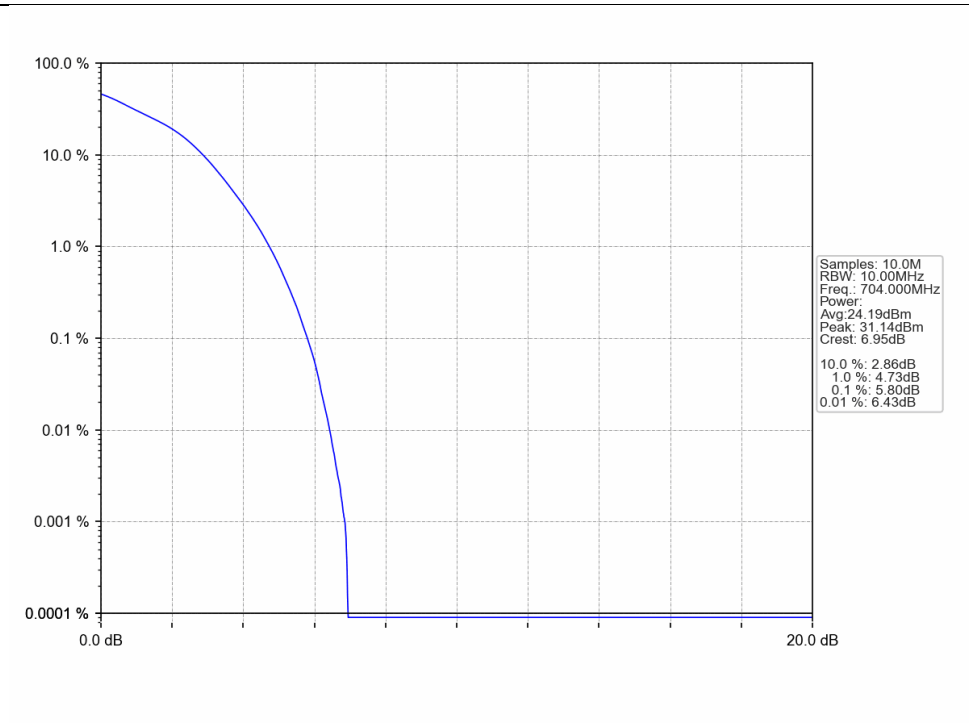

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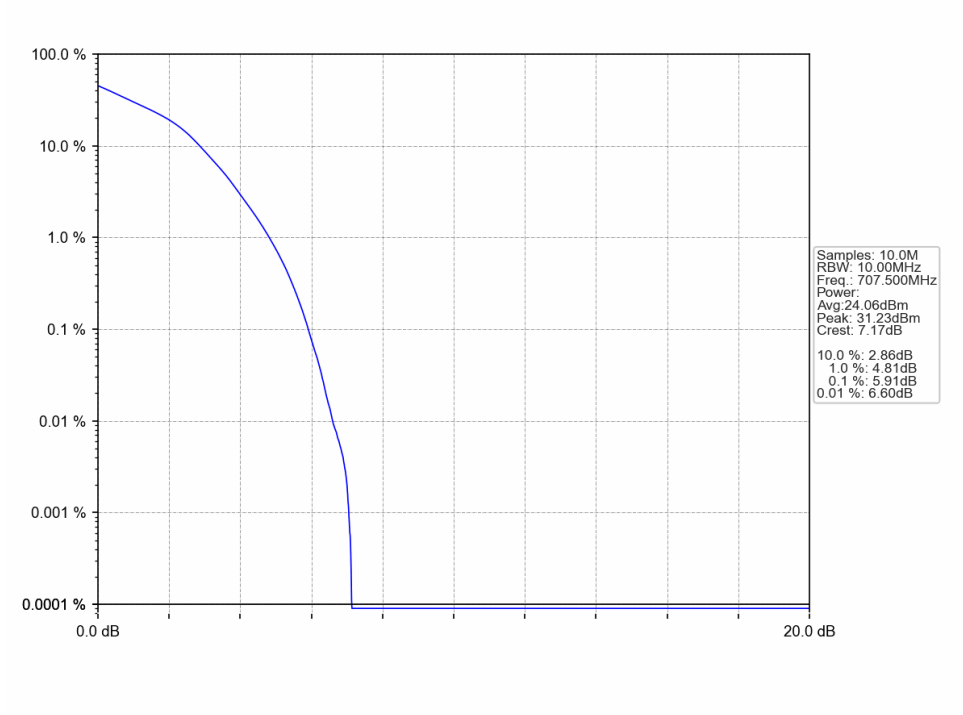

Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

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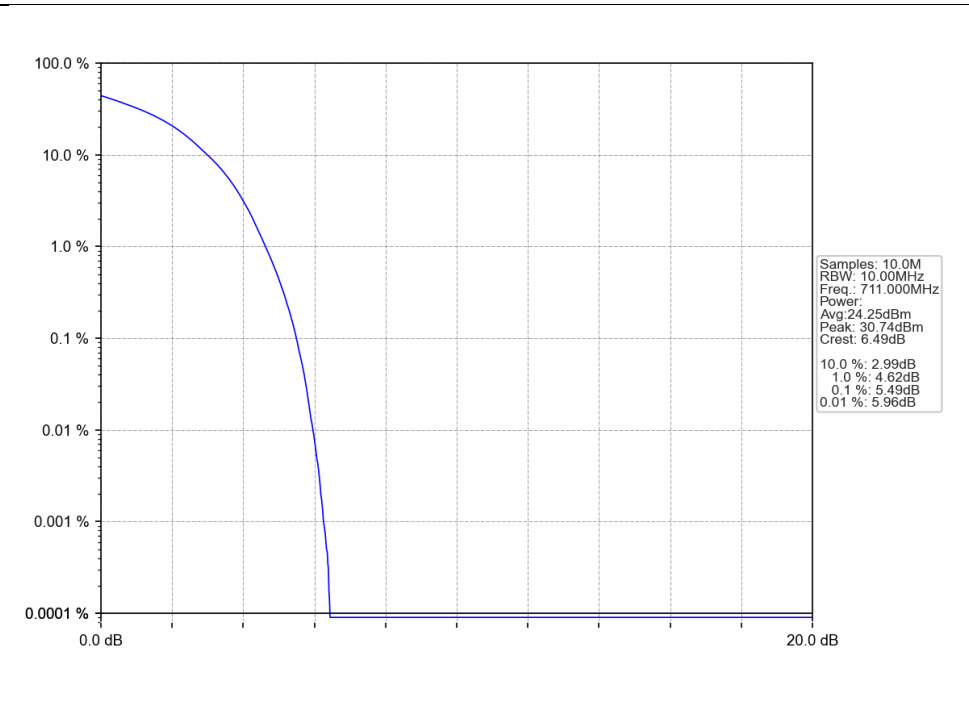

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2. Peak-Average Ratio

2.1 B13_5MHz

2.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.75	<=13	Pass
	782	25	0	5.39	<=13	Pass
	784.5	25	0	5.57	<=13	Pass
16QAM	779.5	25	0	6.31	<=13	Pass
	782	25	0	6.00	<=13	Pass
	784.5	25	0	6.12	<=13	Pass

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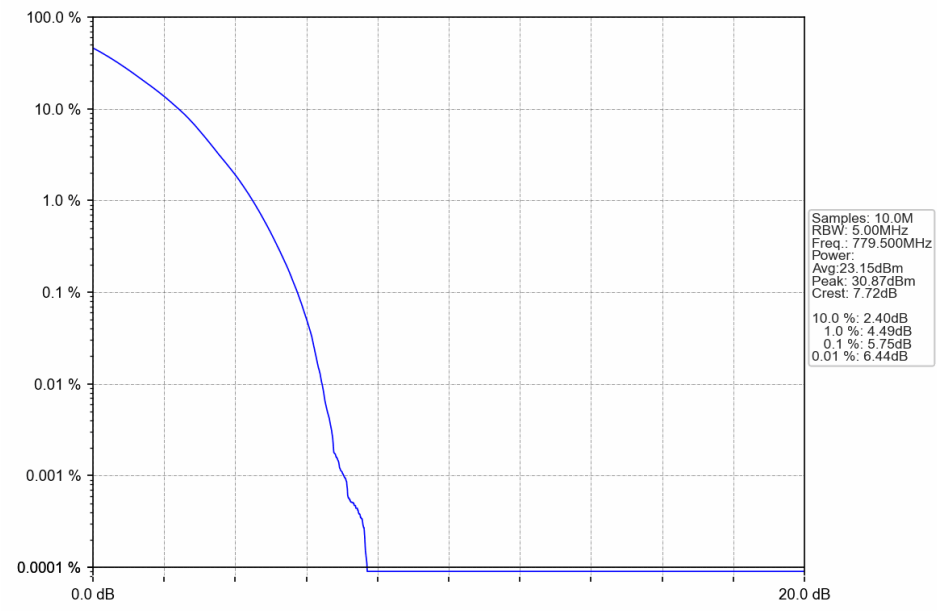
2.1.2 Test Graph

Band13_5MHz_QPSK_LCH_779.5MHz_RB_25_0_NTNV



Band13_5MHz_QPSK_MCH_782MHz_RB_25_0_NTNV

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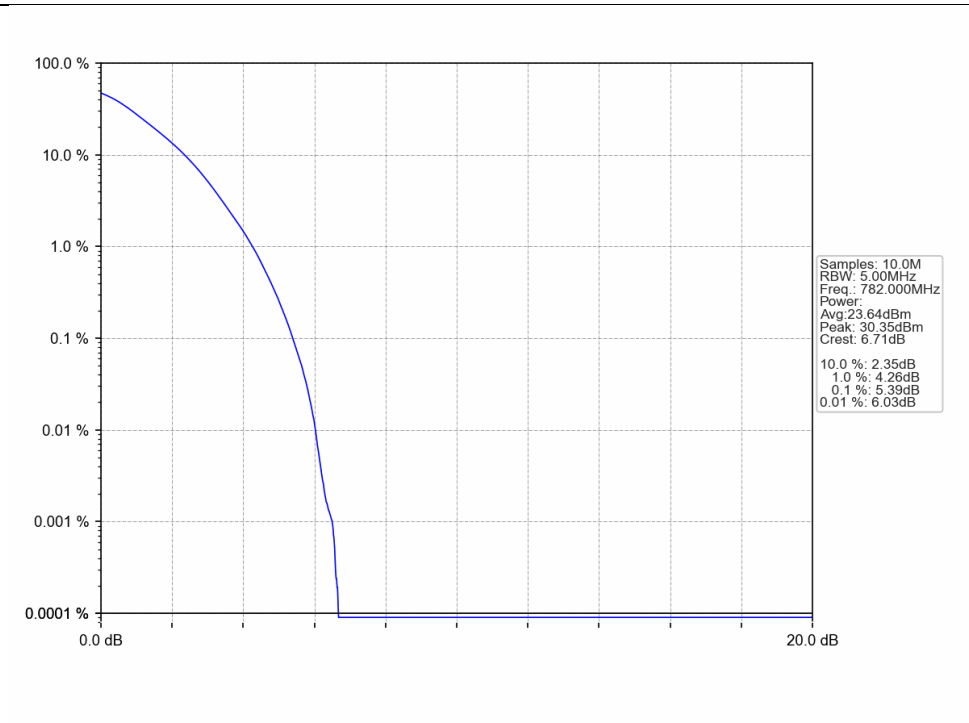

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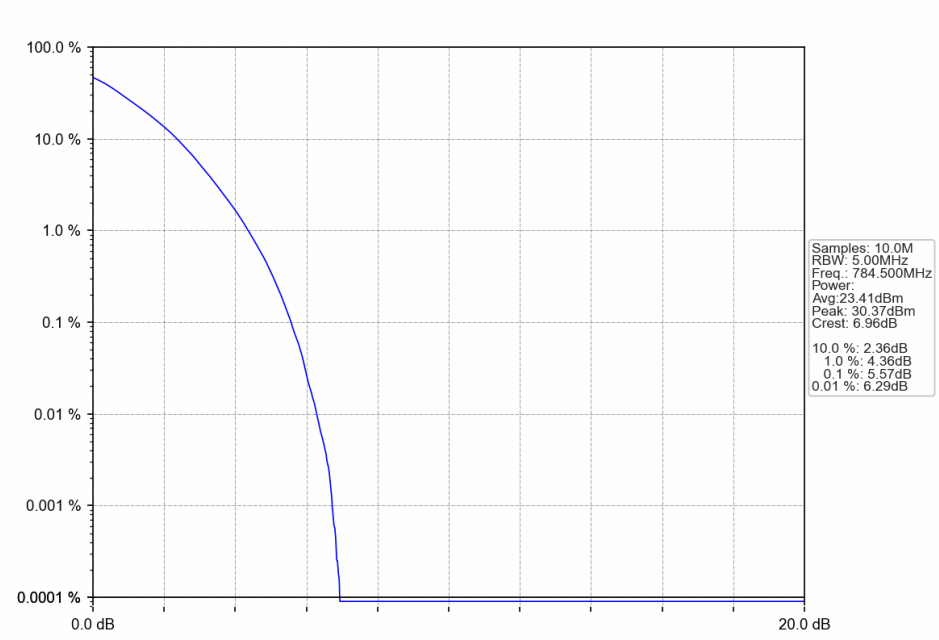
Band13_5MHz_QPSK_HCH_784.5MHz_RB_25_0_NTNV



Band13_5MHz_16QAM_LCH_779.5MHz_RB_25_0_NTNV

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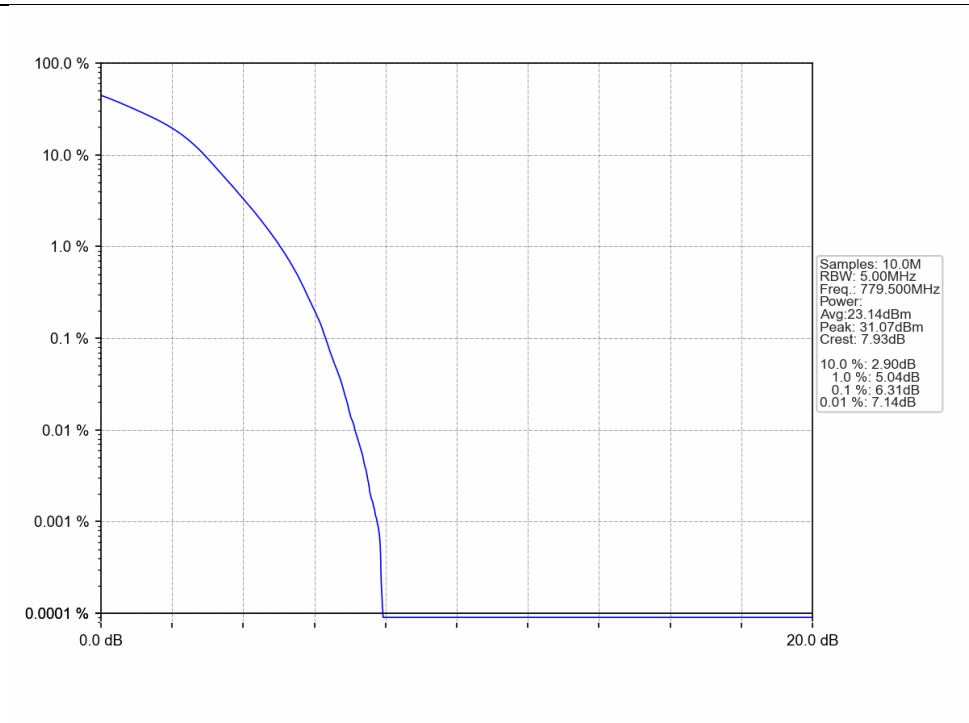

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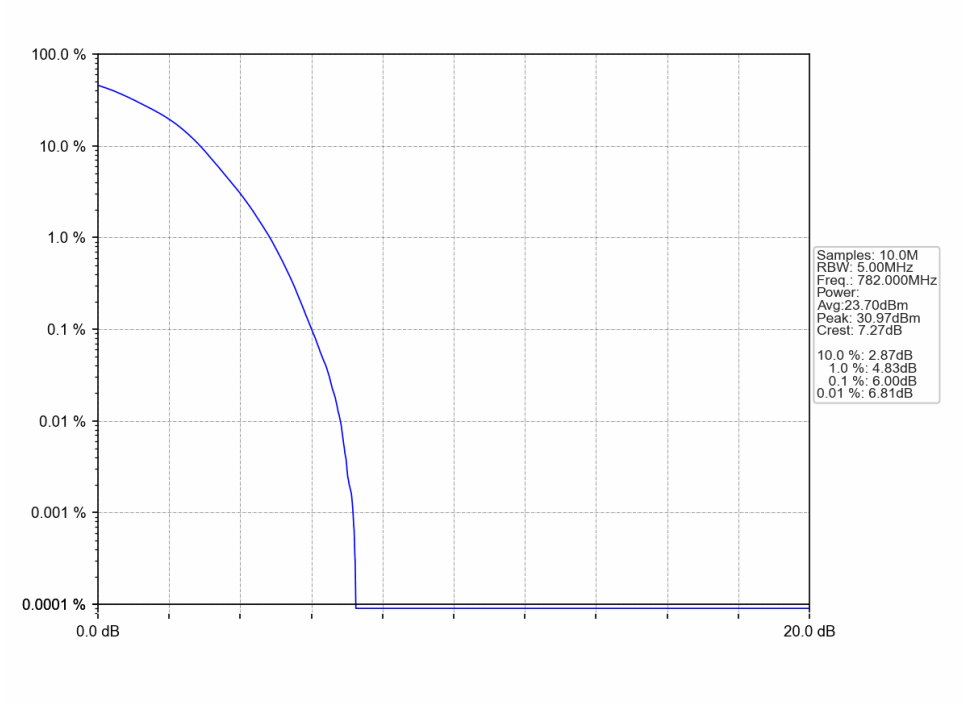
Band13_5MHz_16QAM_MCH_782MHz_RB_25_0_NTNV



Band13_5MHz_16QAM_HCH_784.5MHz_RB_25_0_NTNV

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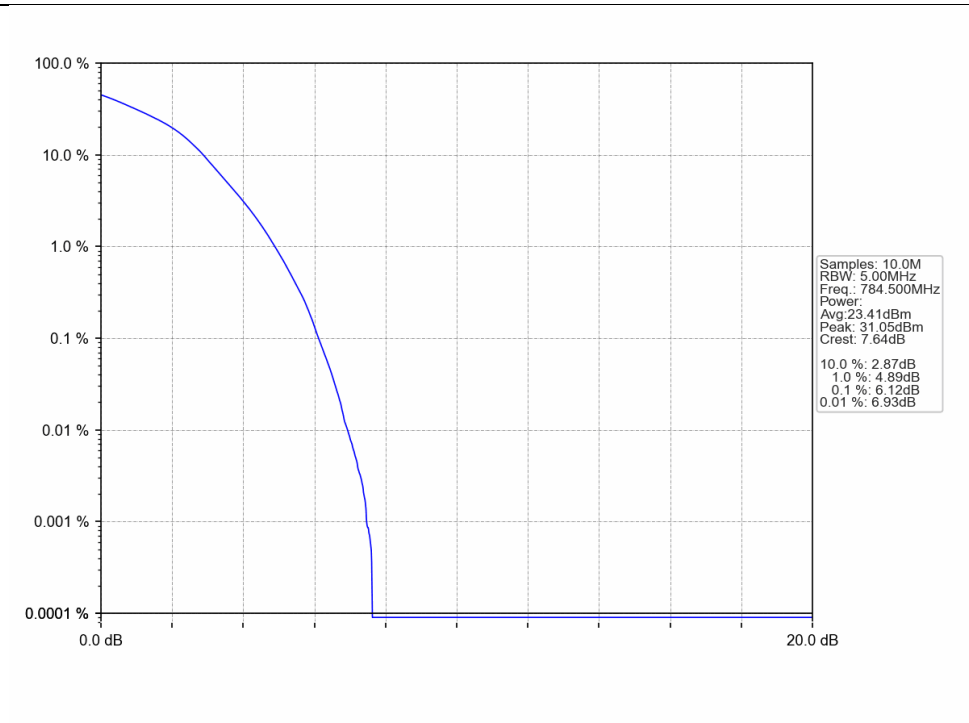

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2.2 B13_10MHz

2.2.1 Test Result

Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	5.32	<=13	Pass
16QAM	782	50	0	6.06	<=13	Pass

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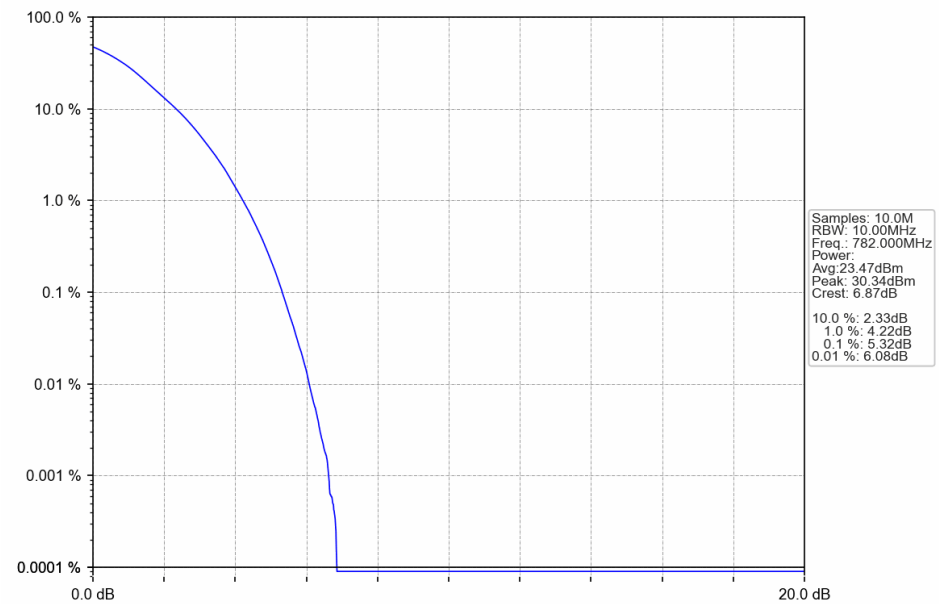
2.2.2 Test Graph

Band13_10MHz_QPSK_MCH_782MHz_RB_50_0_NTNV



Band13_10MHz_16QAM_MCH_782MHz_RB_50_0_NTNV

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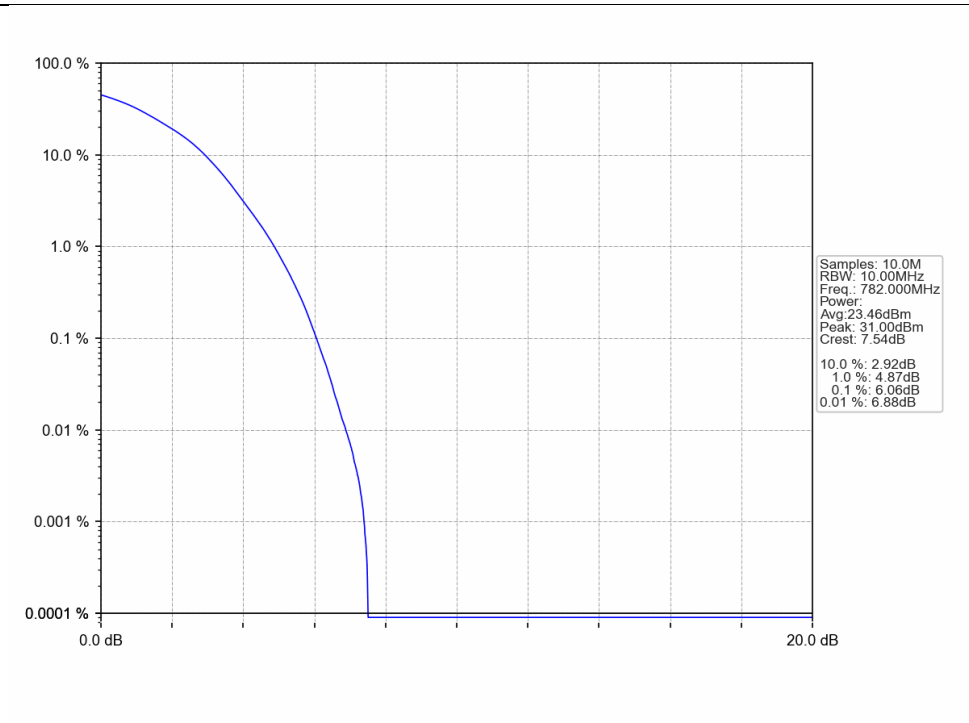

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3. Peak-Average Ratio

3.1 B2_1.4MHz

3.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	5.29	<=13	Pass
	1880	6	0	5.41	<=13	Pass
	1909.3	6	0	5.32	<=13	Pass
16QAM	1850.7	6	0	6.00	<=13	Pass
	1880	6	0	5.98	<=13	Pass
	1909.3	6	0	5.90	<=13	Pass

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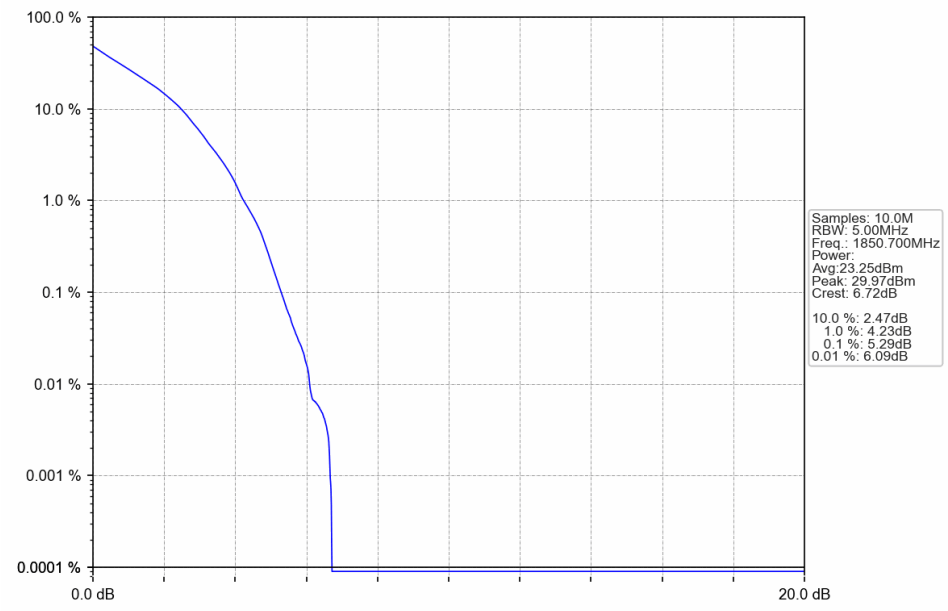
3.1.2 Test Graph

Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



Band2_1.4MHz_QPSK_MCH_1880MHz_RB_6_0_NTNV

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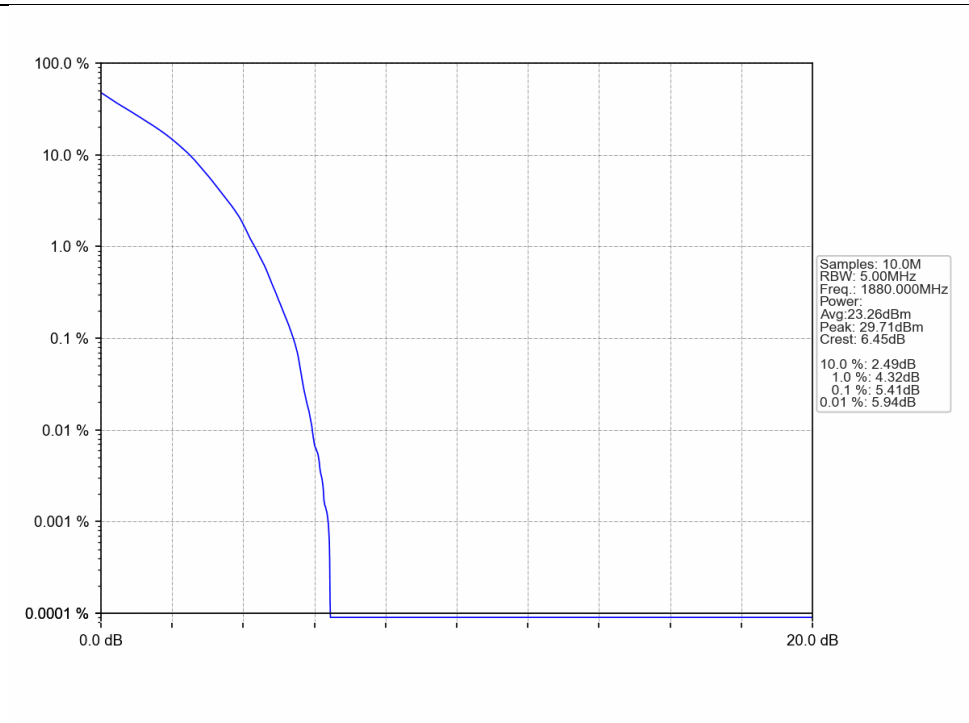

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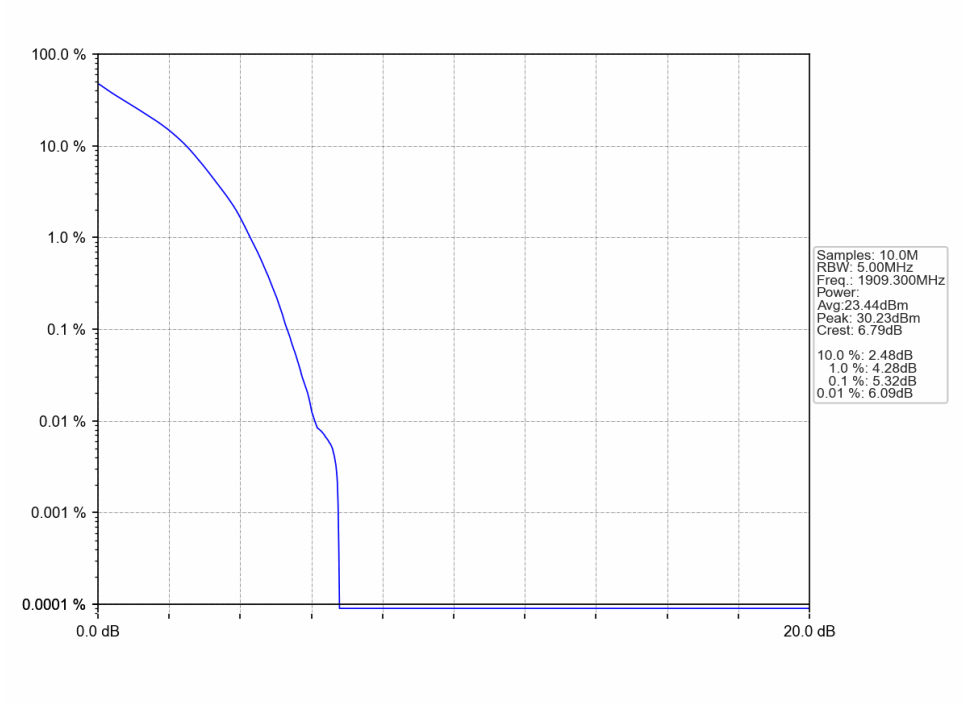
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV

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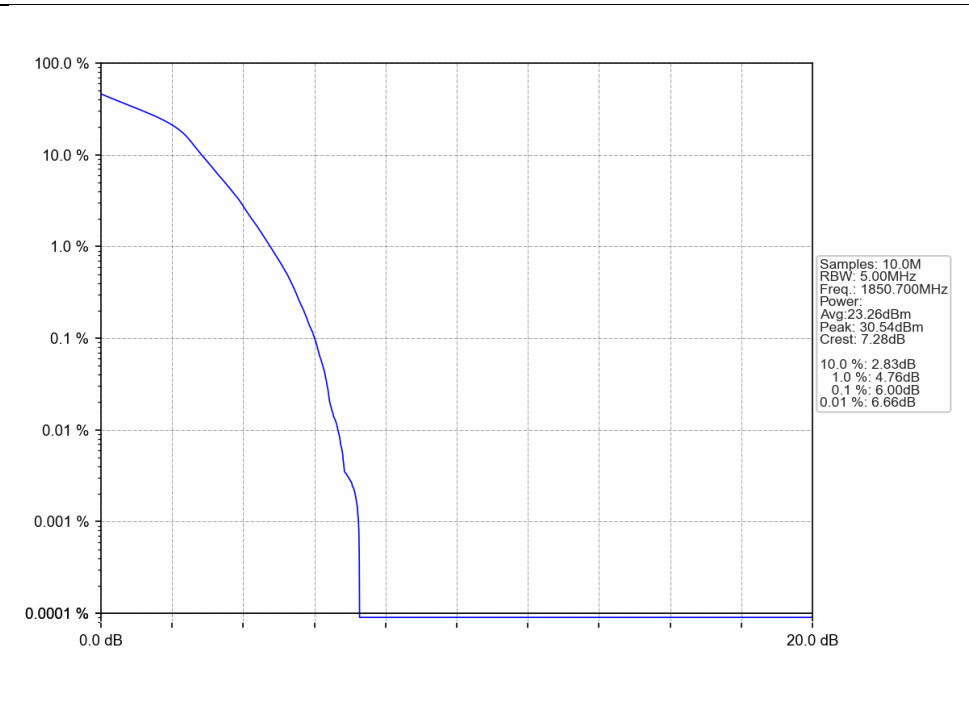

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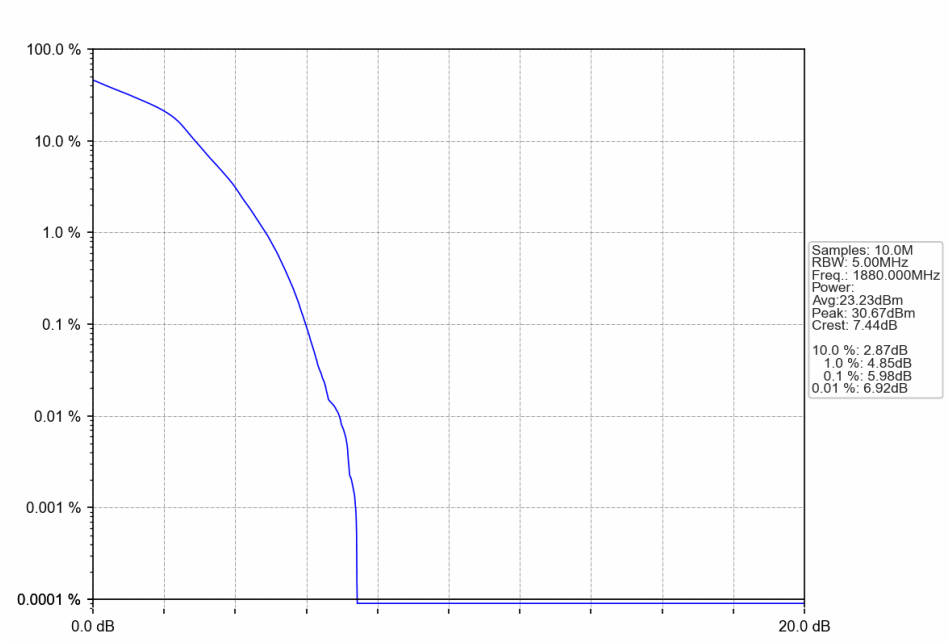
Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV

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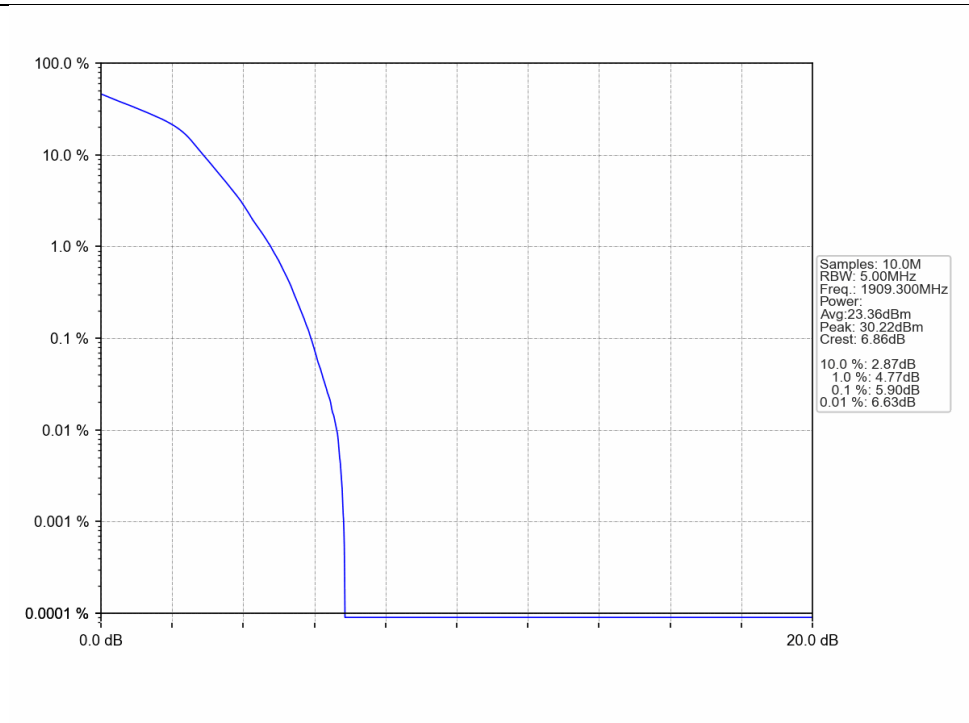

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3.2 B2_3MHz

3.2.1 Test Result

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	5.40	<=13	Pass
	1880	15	0	5.40	<=13	Pass
	1908.5	15	0	5.17	<=13	Pass
16QAM	1851.5	15	0	6.03	<=13	Pass
	1880	15	0	6.10	<=13	Pass
	1908.5	15	0	5.81	<=13	Pass

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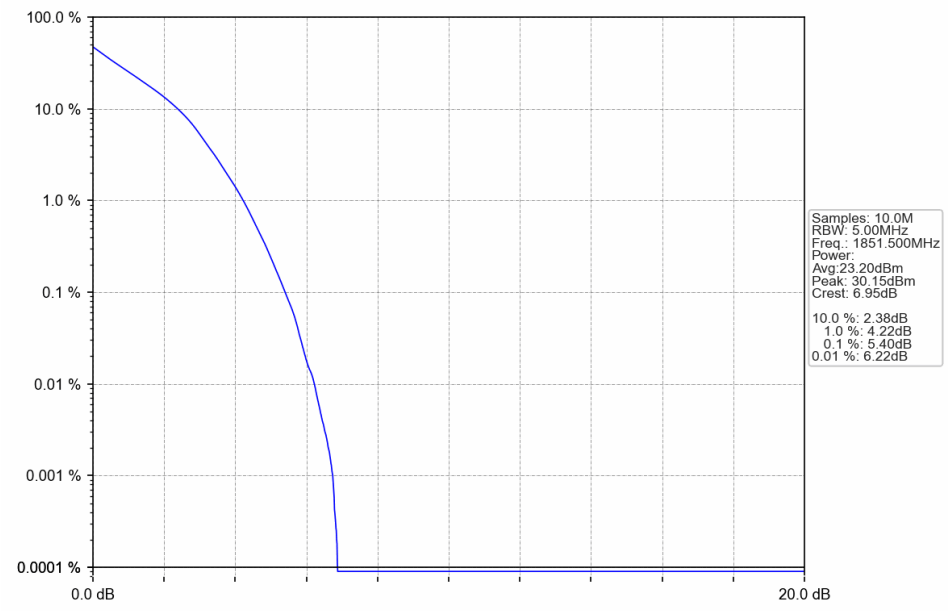
3.2.2 Test Graph

Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV

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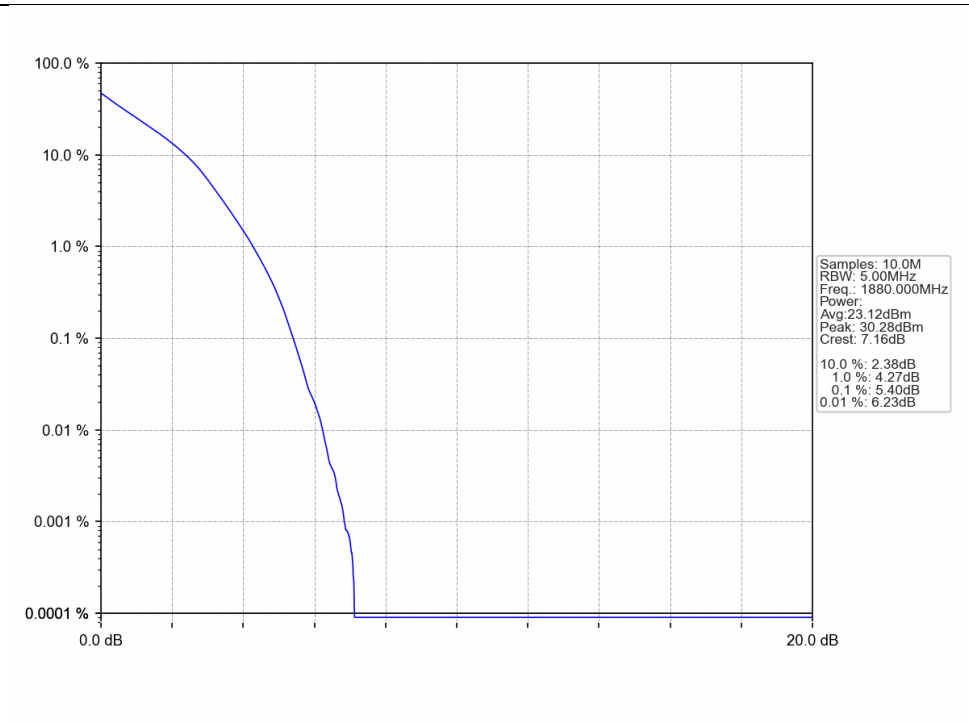

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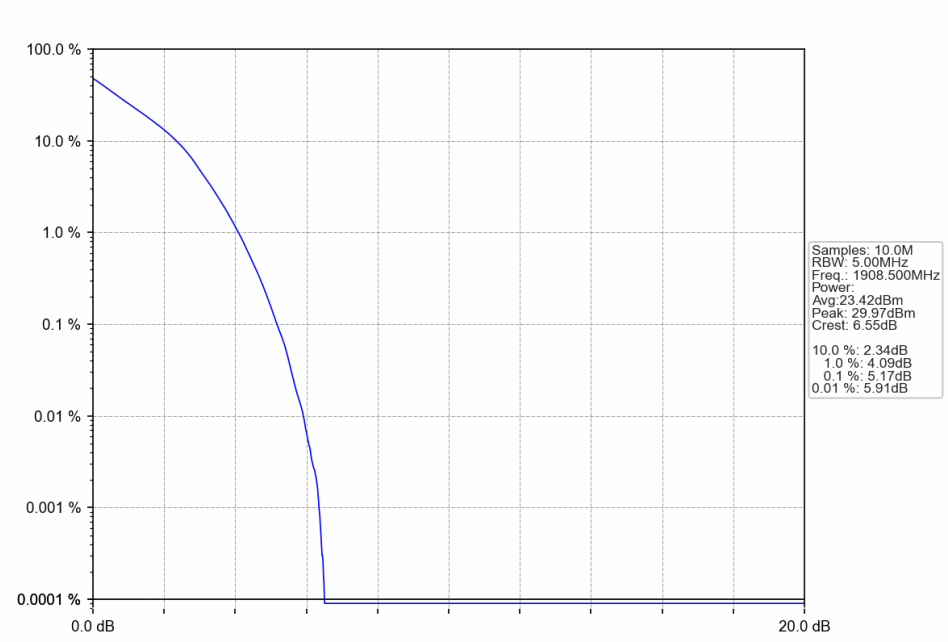
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV

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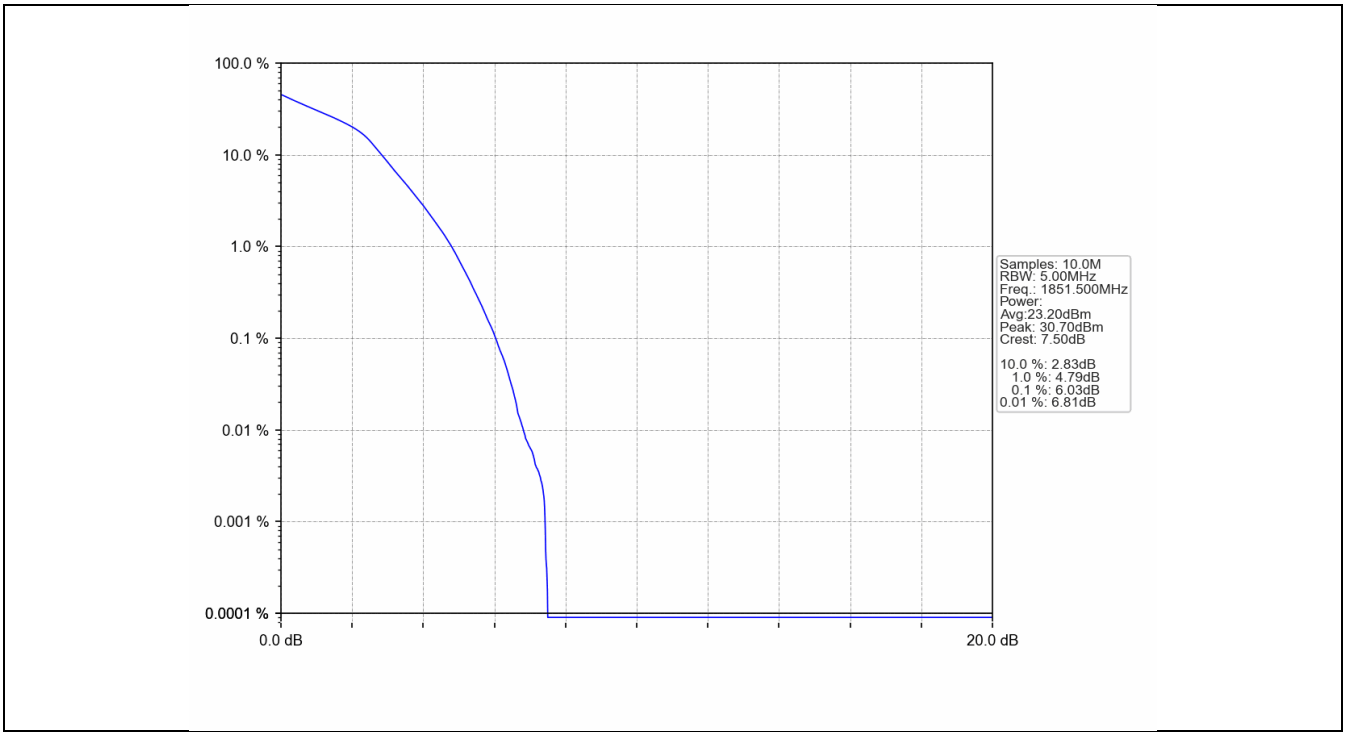

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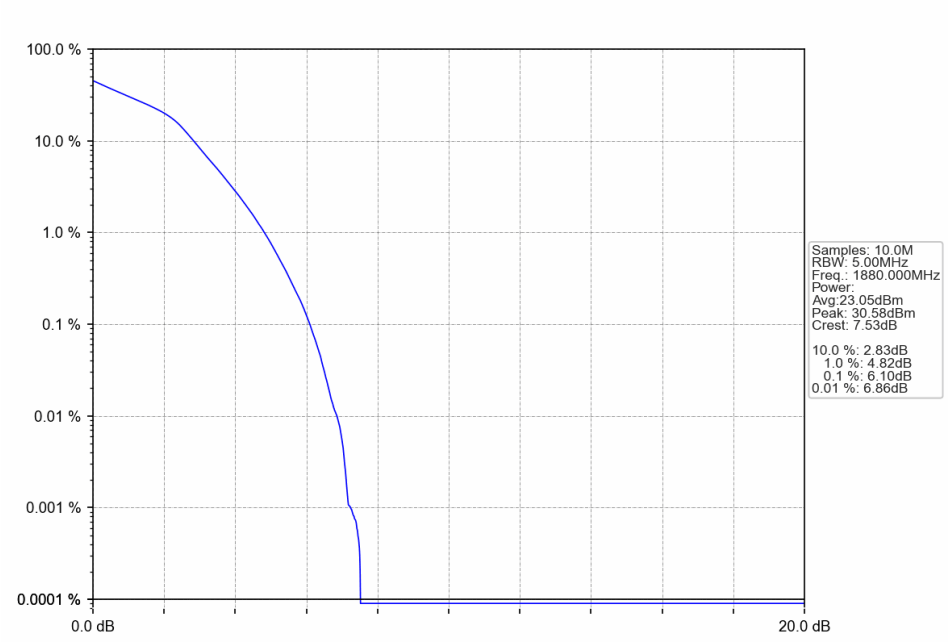

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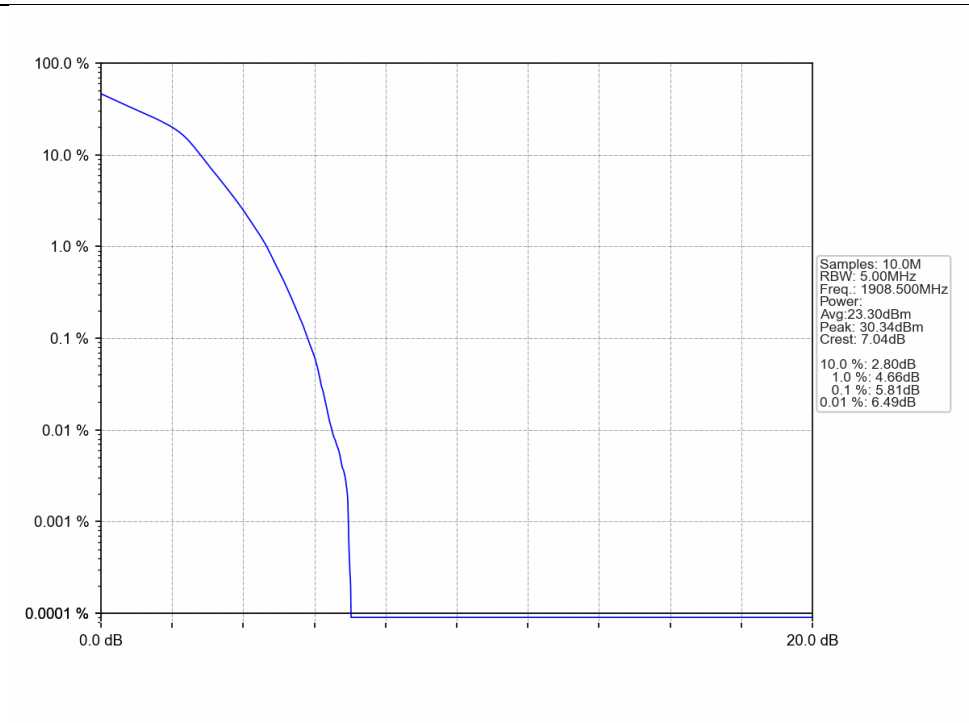

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3.3 B2_5MHz

3.3.1 Test Result

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	5.48	<=13	Pass
	1880	25	0	5.53	<=13	Pass
	1907.5	25	0	5.32	<=13	Pass
16QAM	1852.5	25	0	6.06	<=13	Pass
	1880	25	0	6.11	<=13	Pass
	1907.5	25	0	5.96	<=13	Pass

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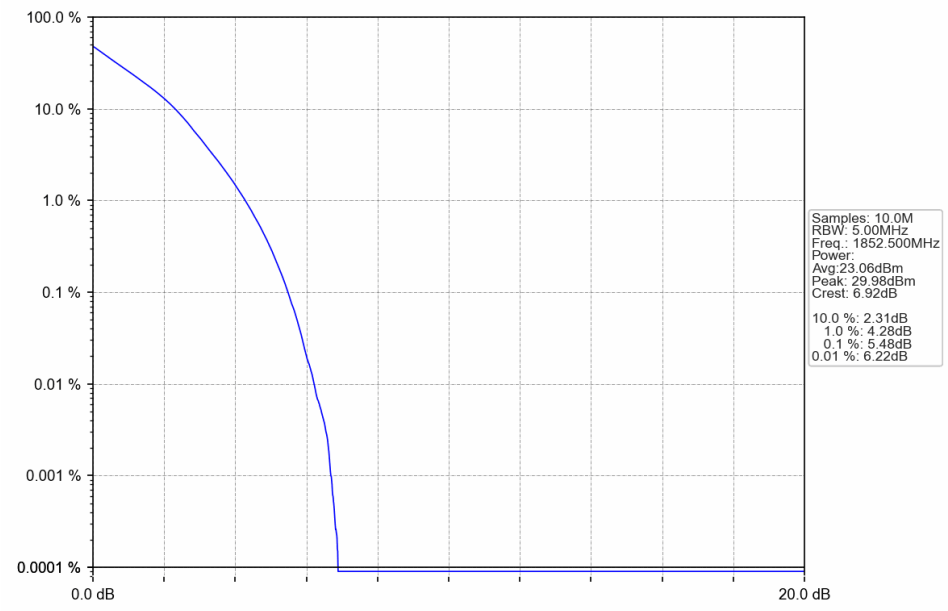
3.3.2 Test Graph

Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV

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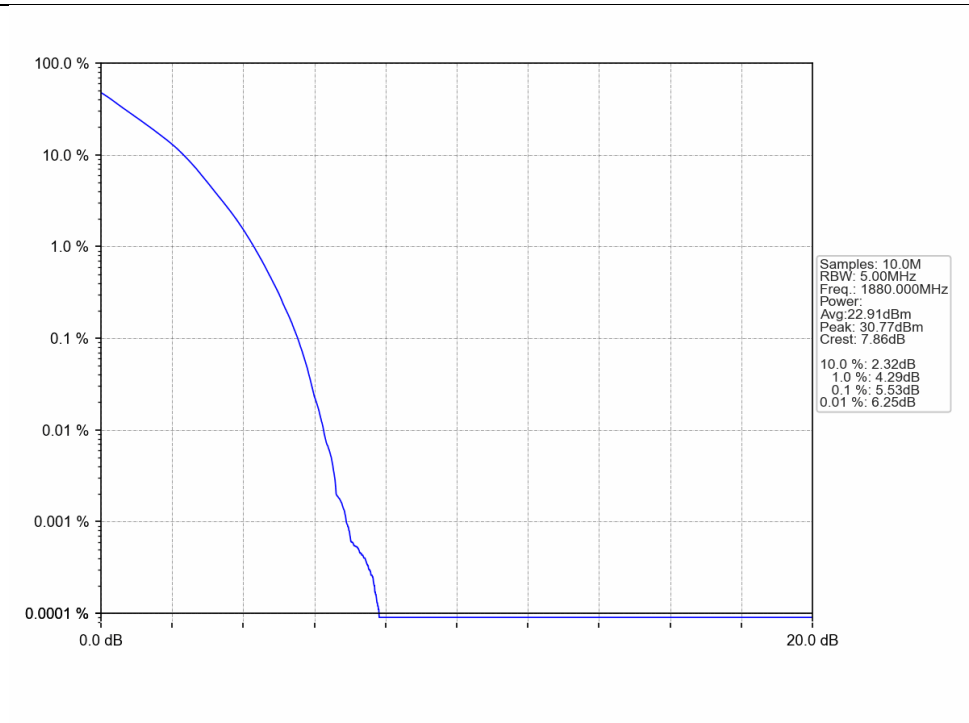

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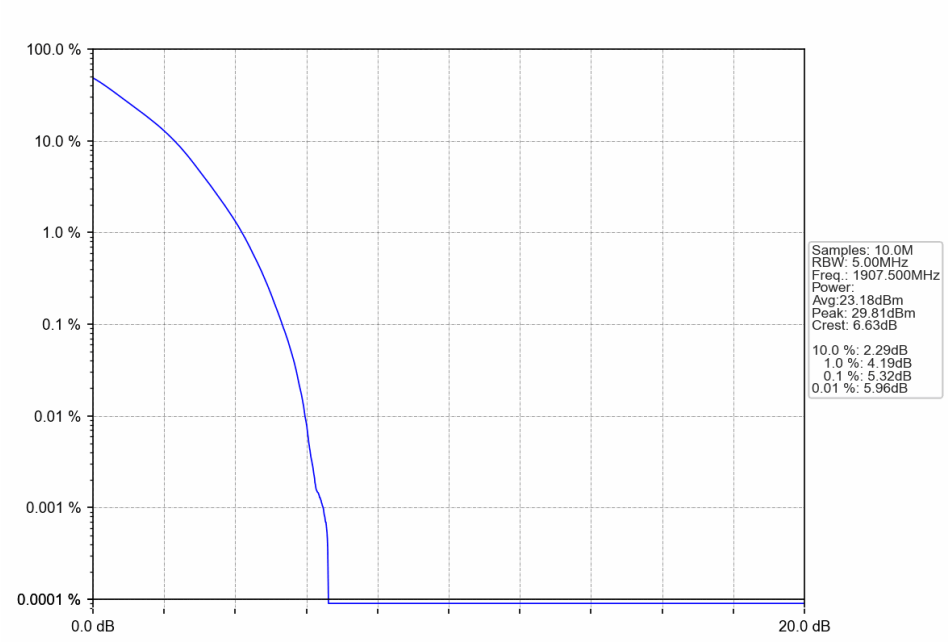
Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV

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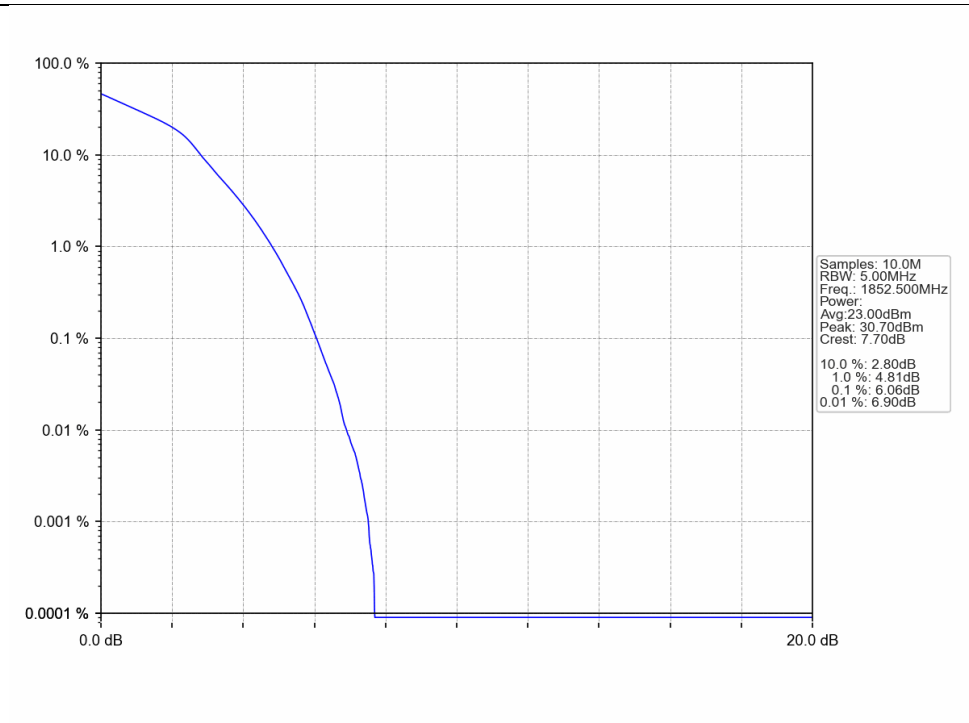

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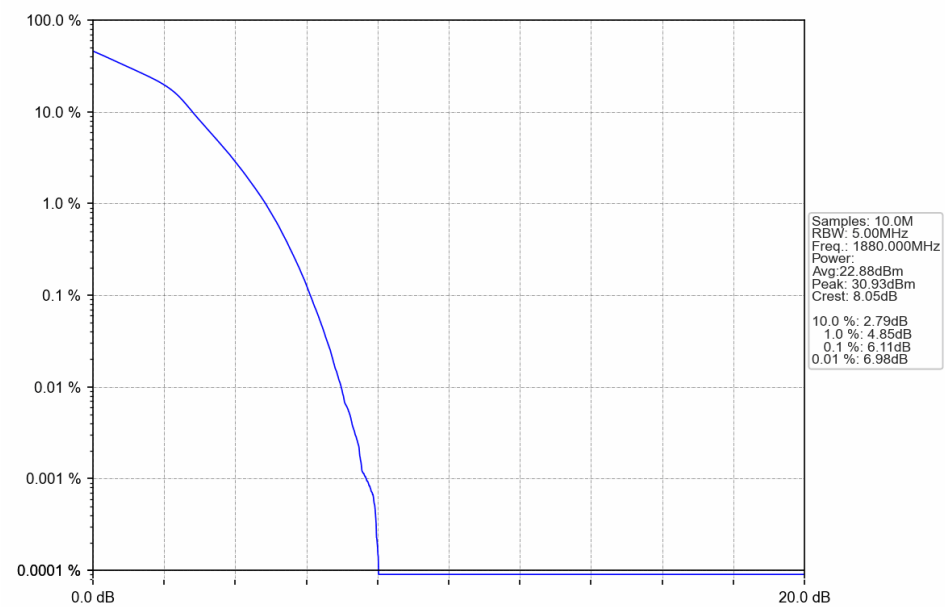
Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV

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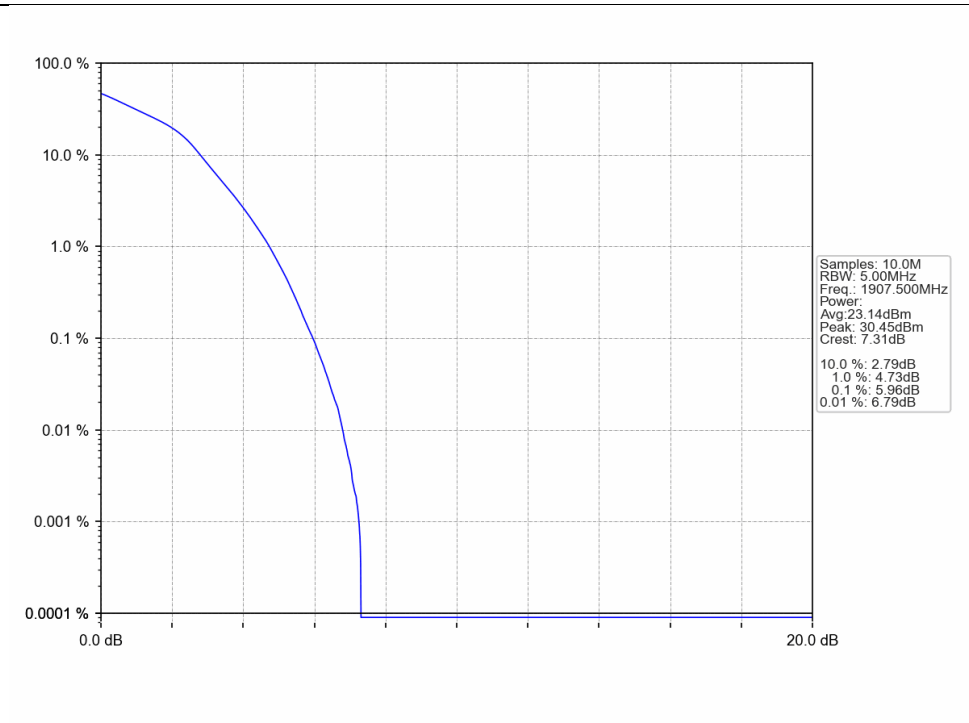

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3.4 B2_10MHz

3.4.1 Test Result

Band: 2 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	5.34	<=13	Pass
	1880	50	0	5.44	<=13	Pass
	1905	50	0	5.32	<=13	Pass
16QAM	1855	50	0	6.00	<=13	Pass
	1880	50	0	6.12	<=13	Pass
	1905	50	0	6.00	<=13	Pass

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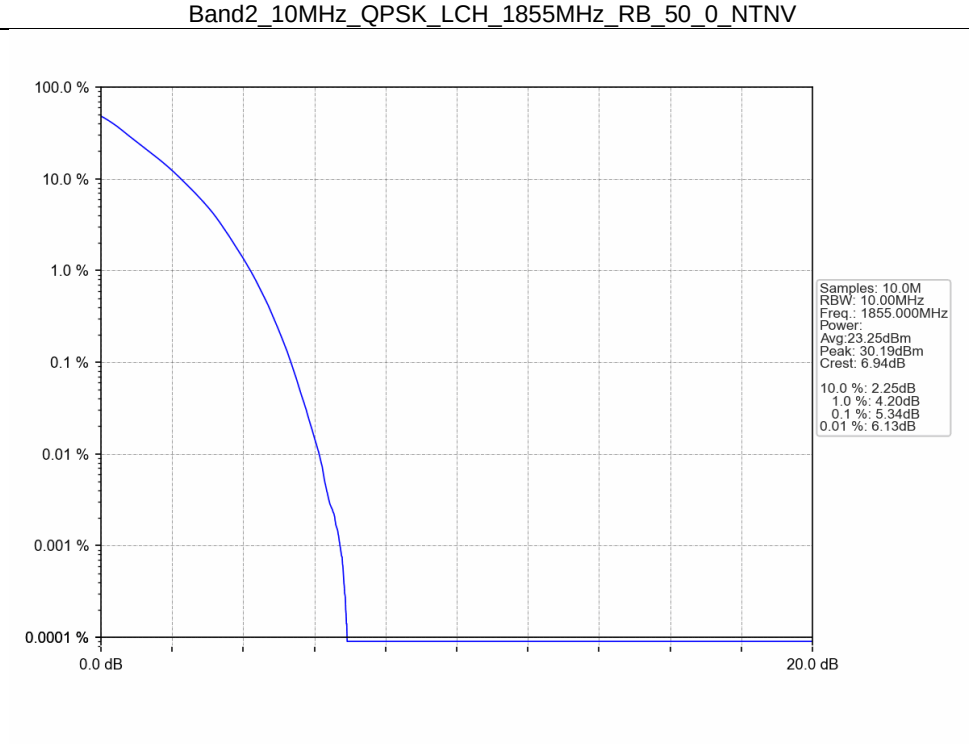
3.4.2 Test Graph

Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV

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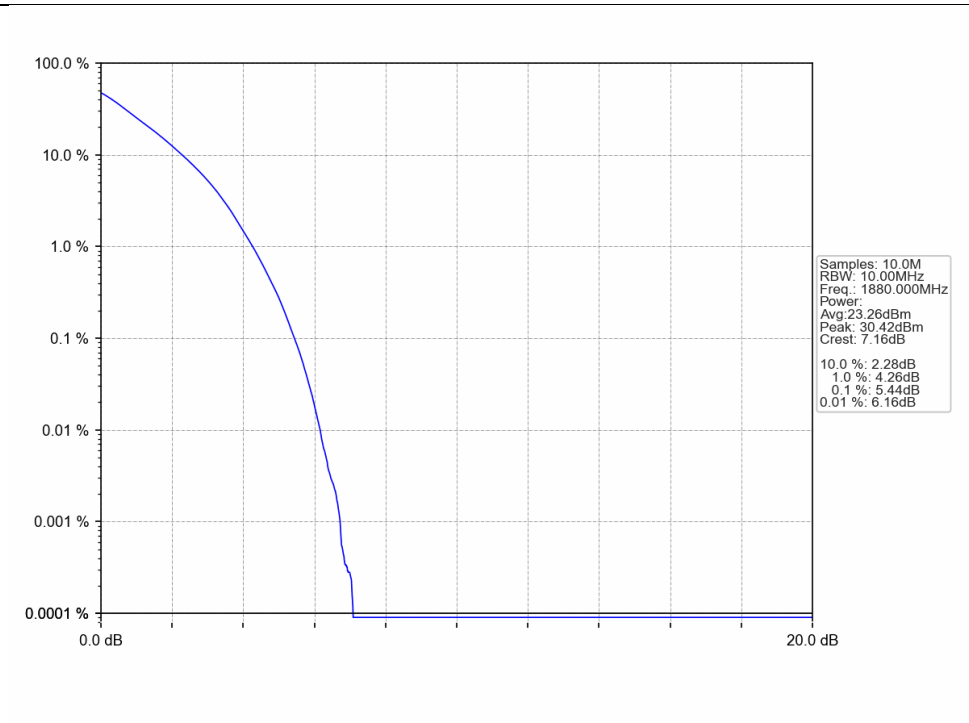

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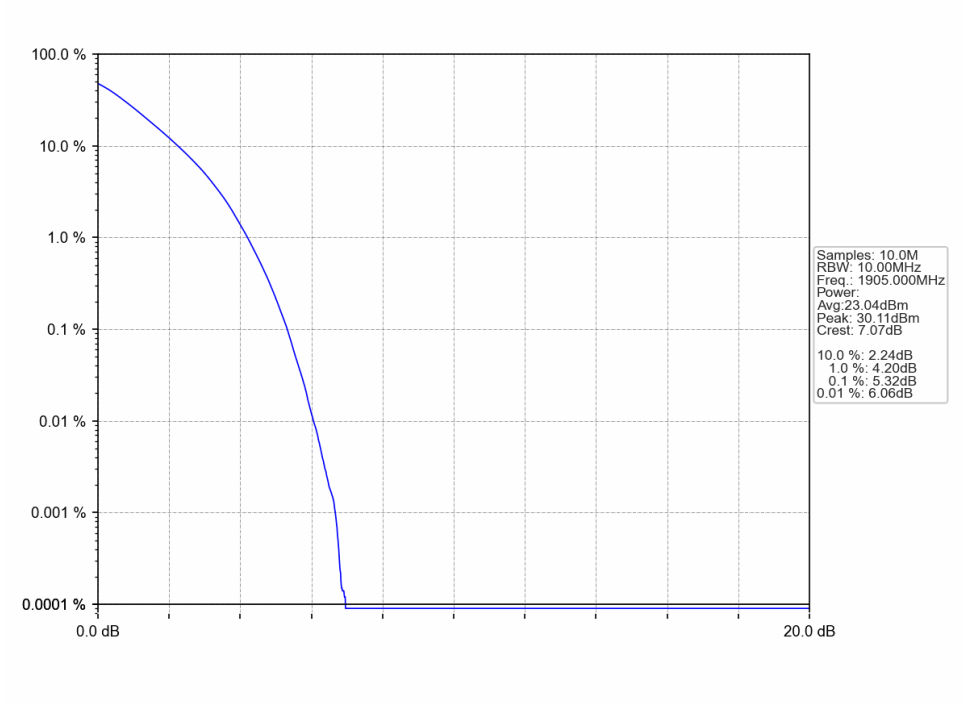
Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



Band2_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV

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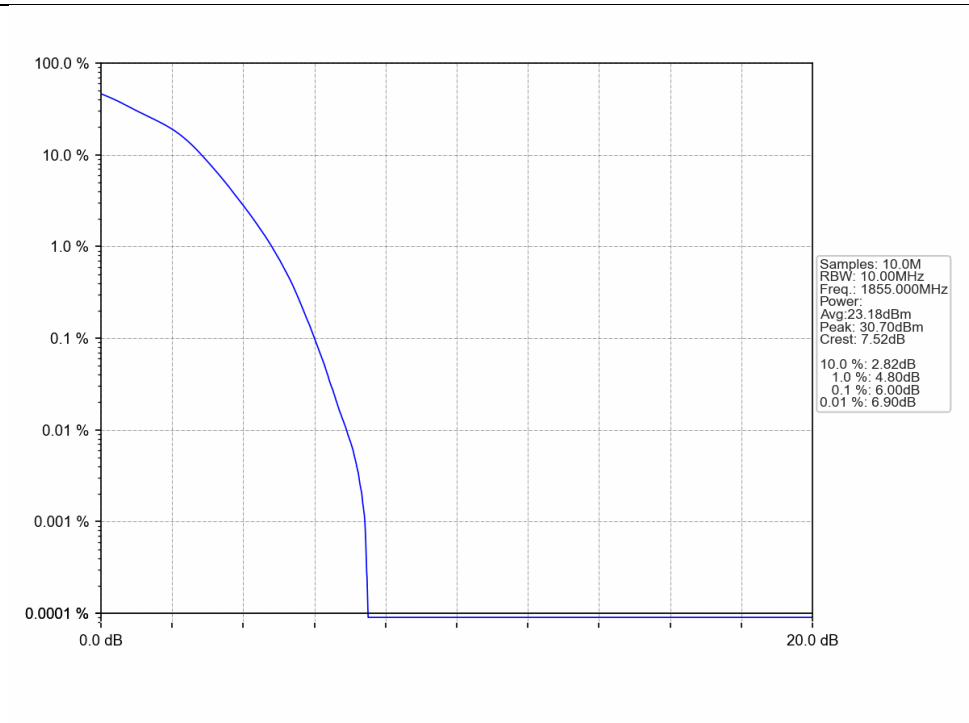

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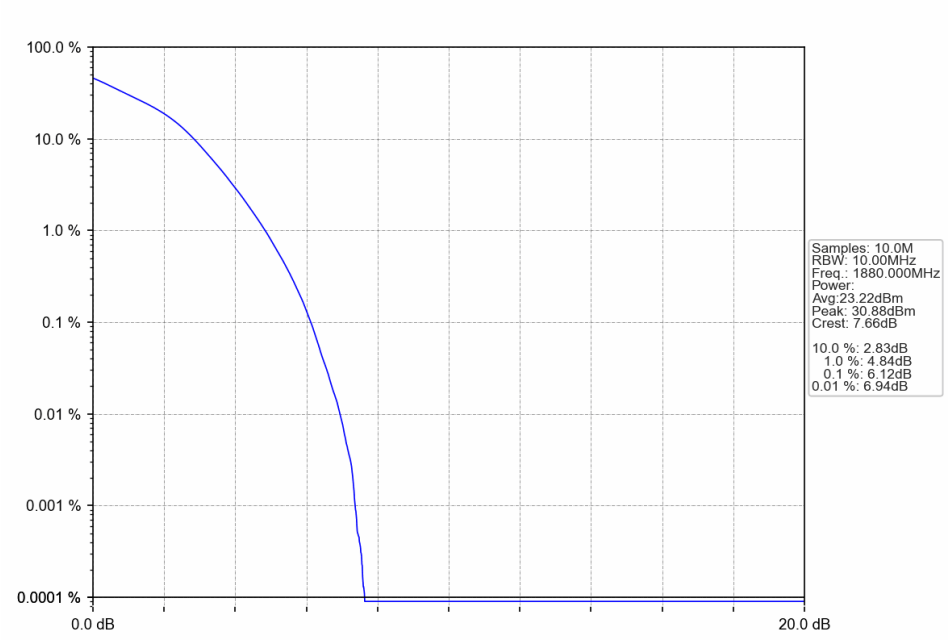
Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV



Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV

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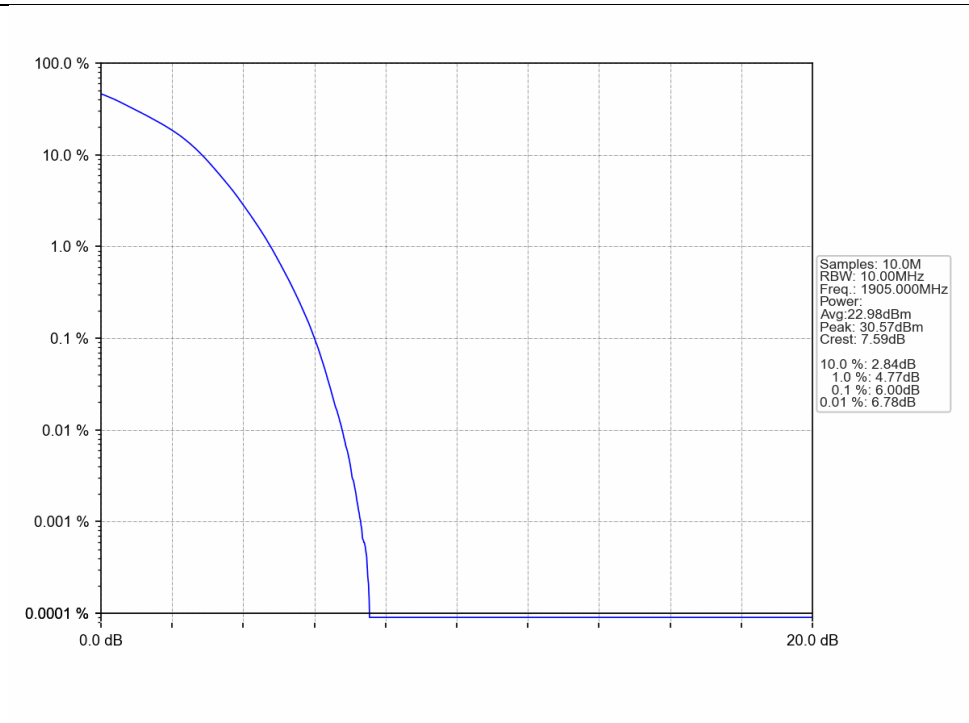

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3.5 B2_15MHz

3.5.1 Test Result

Band: 2 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	5.02	<=13	Pass
	1880	75	0	5.27	<=13	Pass
	1902.5	75	0	5.21	<=13	Pass
16QAM	1857.5	75	0	5.88	<=13	Pass
	1880	75	0	6.03	<=13	Pass
	1902.5	75	0	5.95	<=13	Pass

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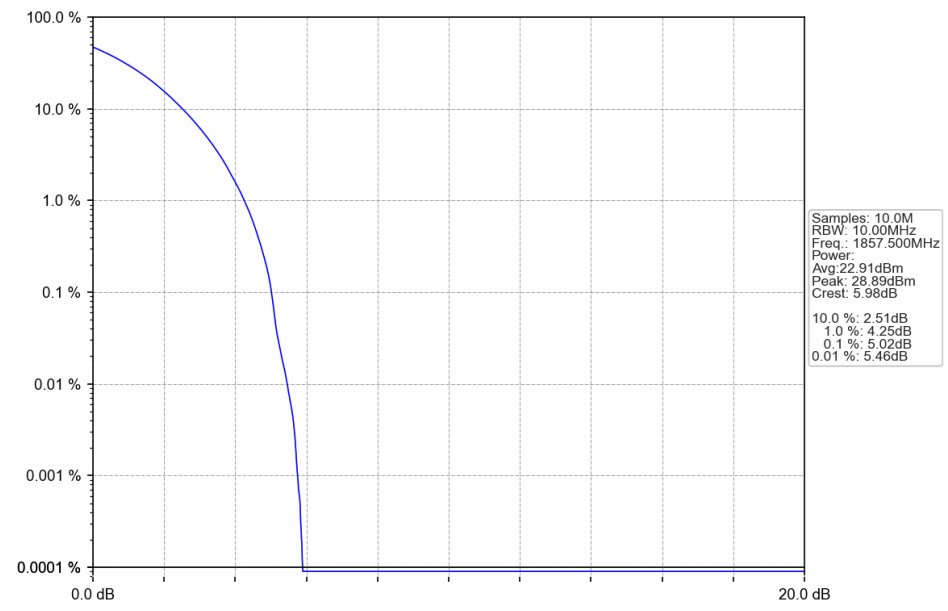
3.5.2 Test Graph

Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV

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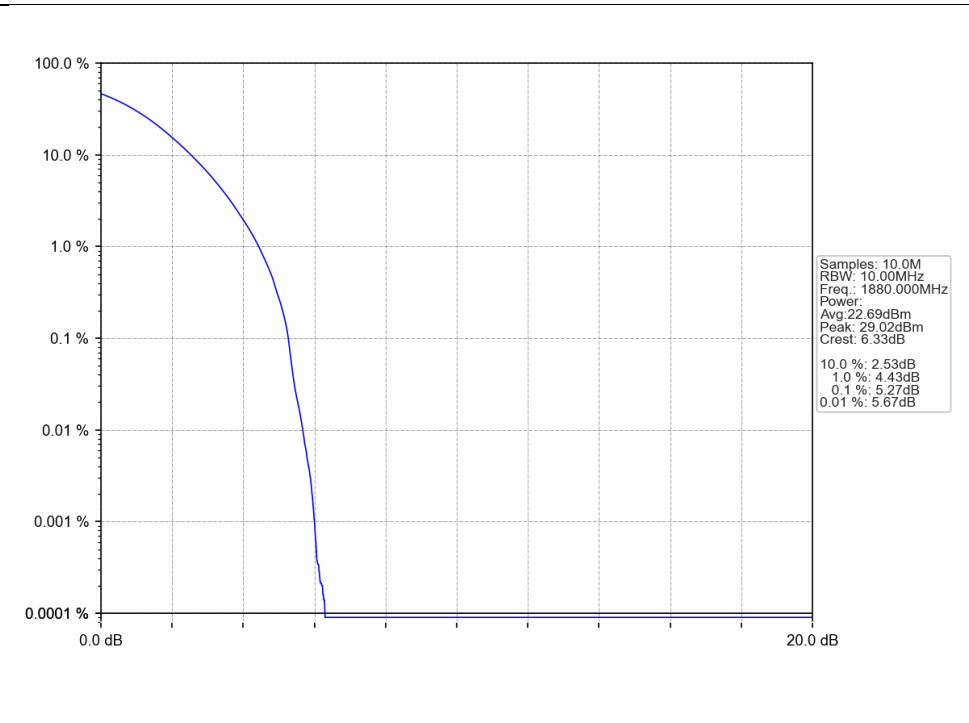

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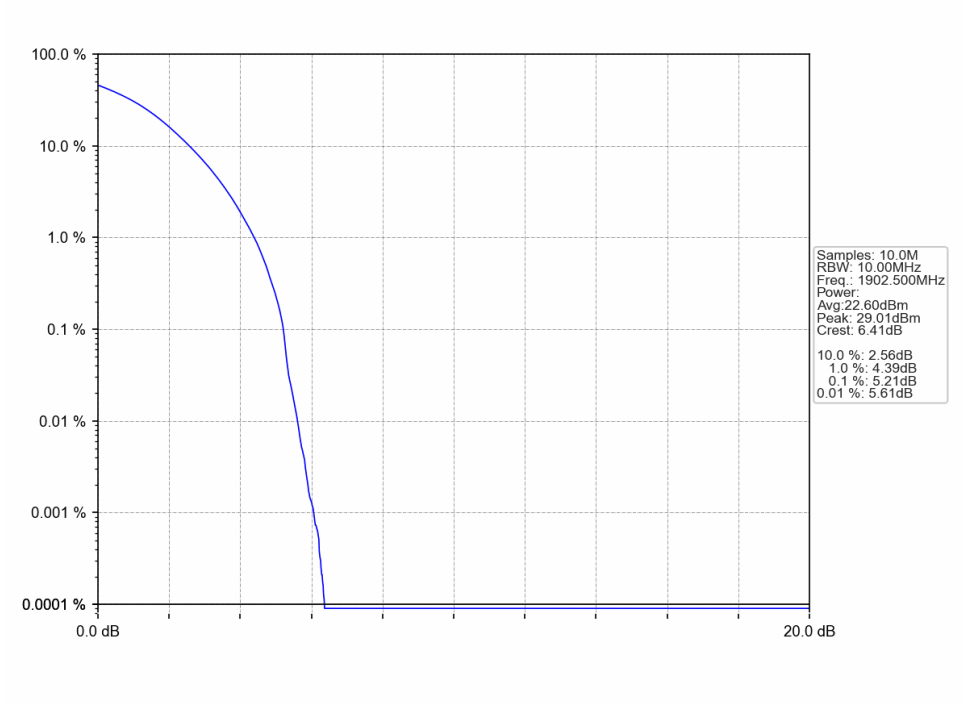
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



Band2_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV

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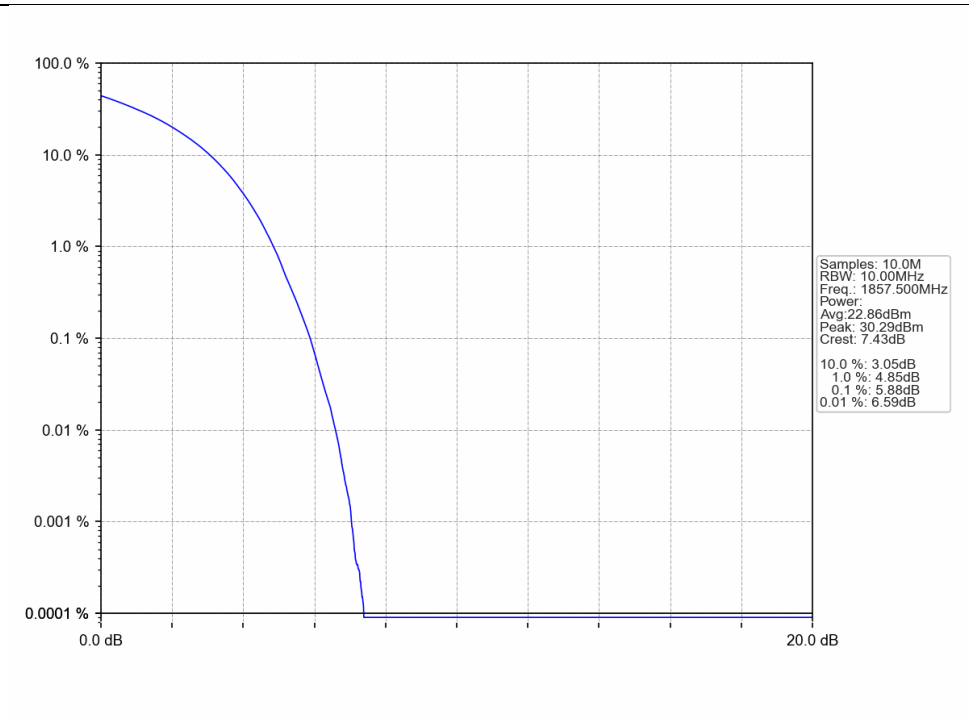

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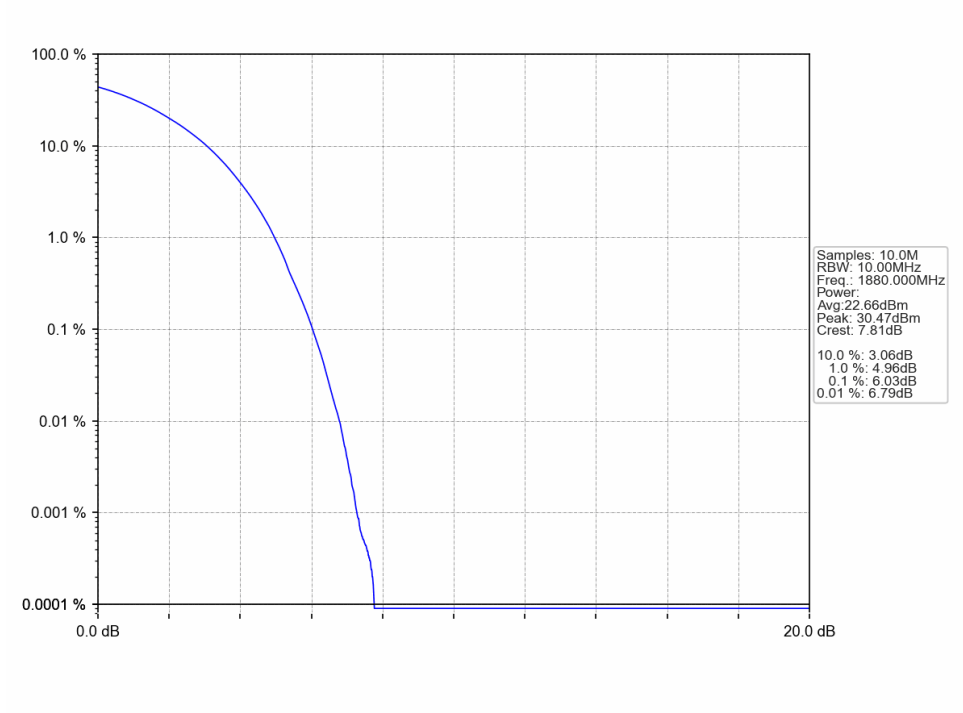
Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV



Band2_15MHz_16QAM_HCH_1902.5MHz_RB_75_0_NTNV

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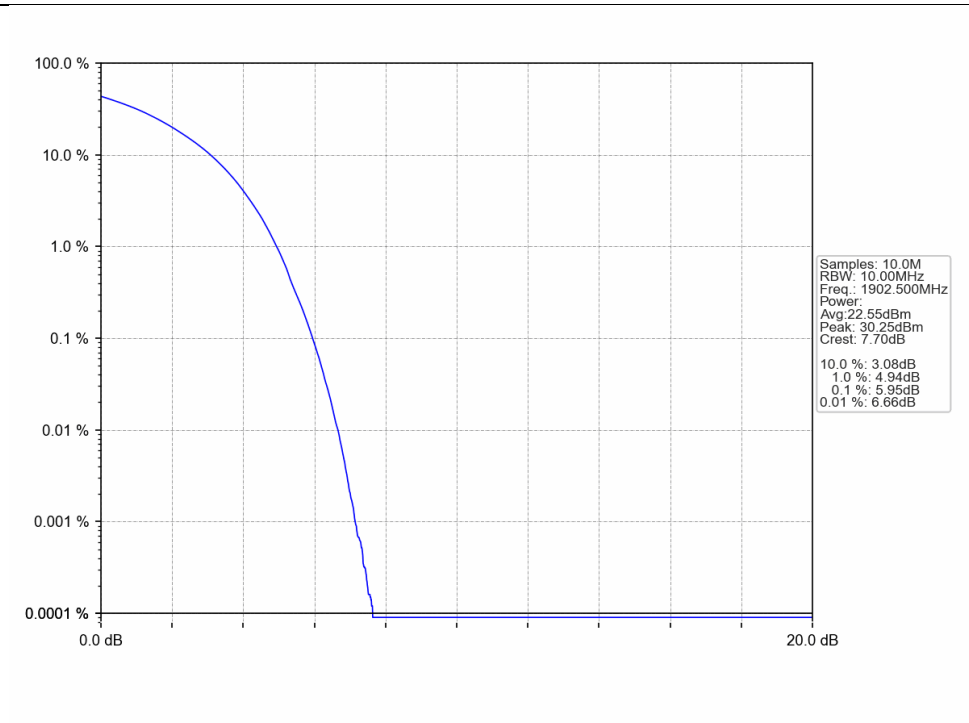

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3.6 B2_20MHz

3.6.1 Test Result

Band: 2 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.30	<=13	Pass
	1880	100	0	5.43	<=13	Pass
	1900	100	0	5.33	<=13	Pass
16QAM	1860	100	0	6.07	<=13	Pass
	1880	100	0	6.12	<=13	Pass
	1900	100	0	6.04	<=13	Pass

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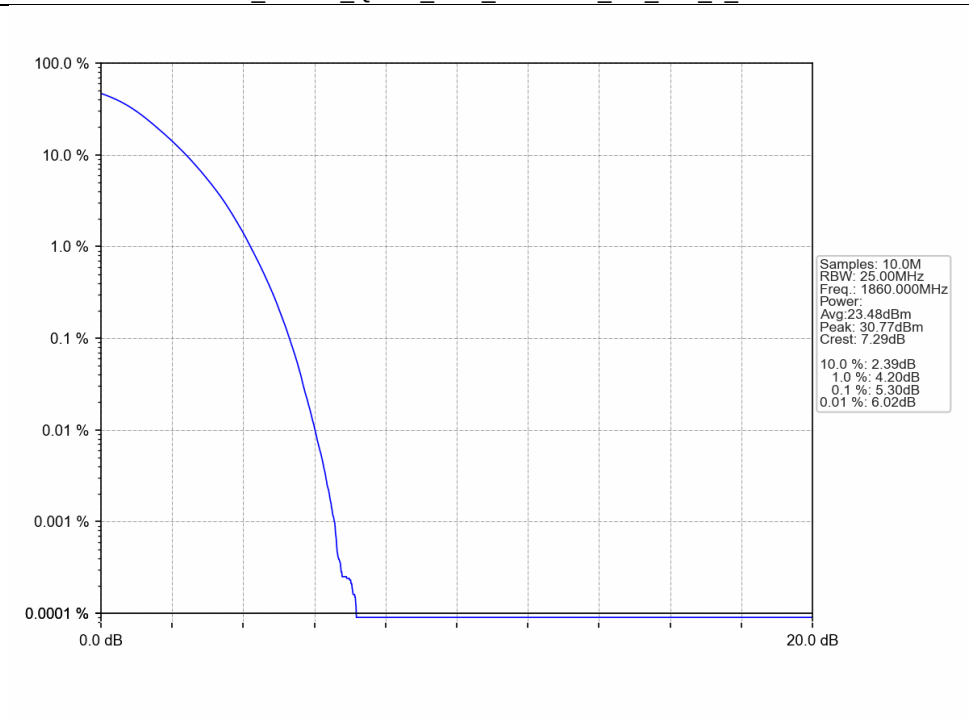
3.6.2 Test Graph

Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV

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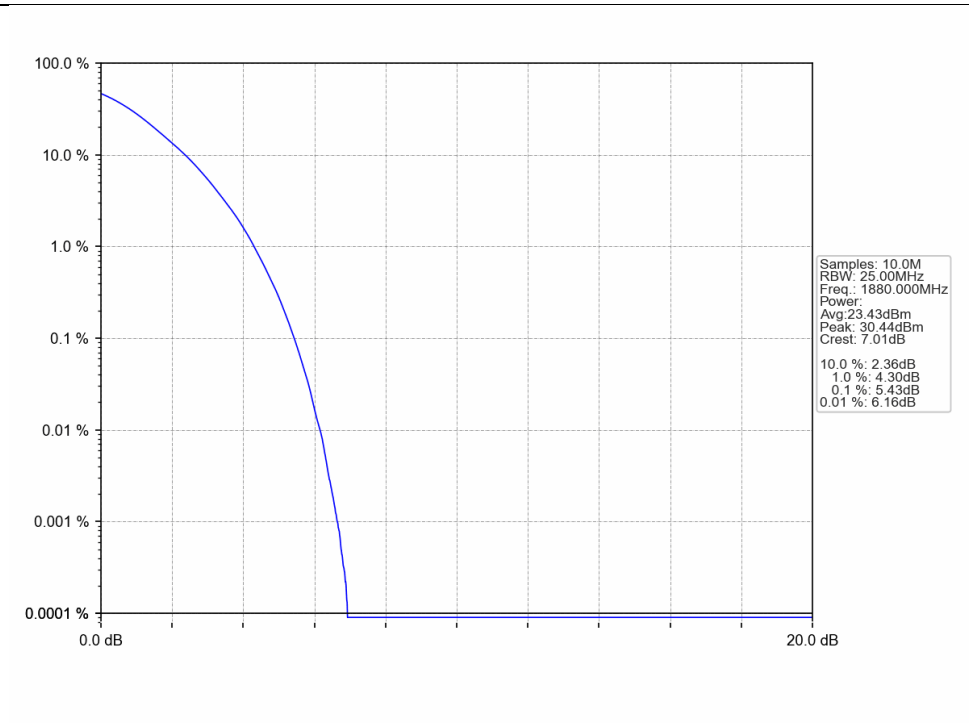

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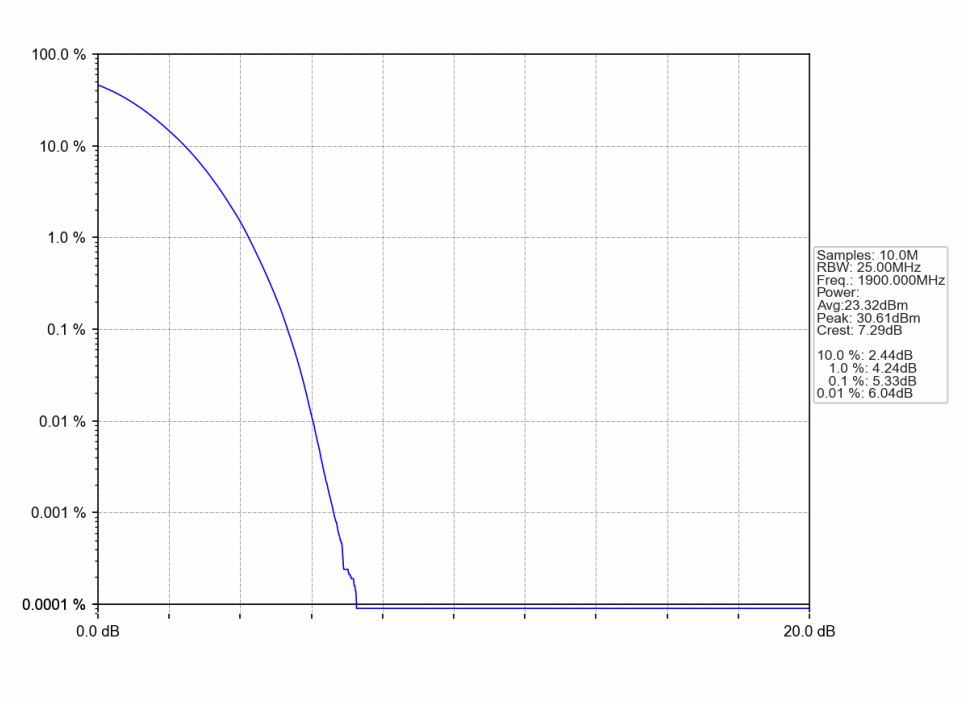
Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV

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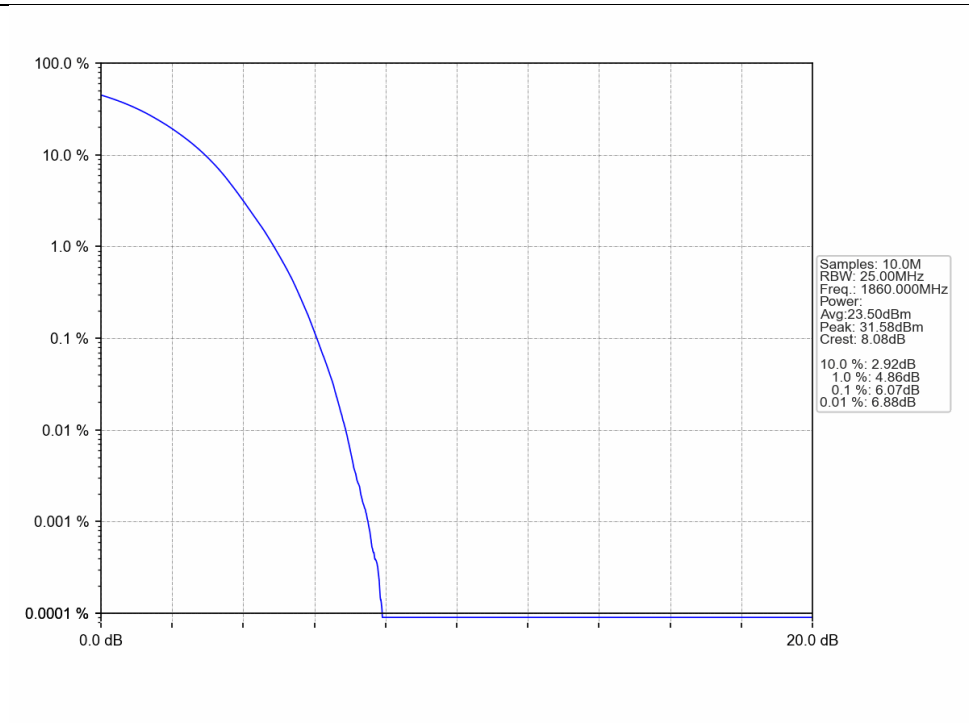

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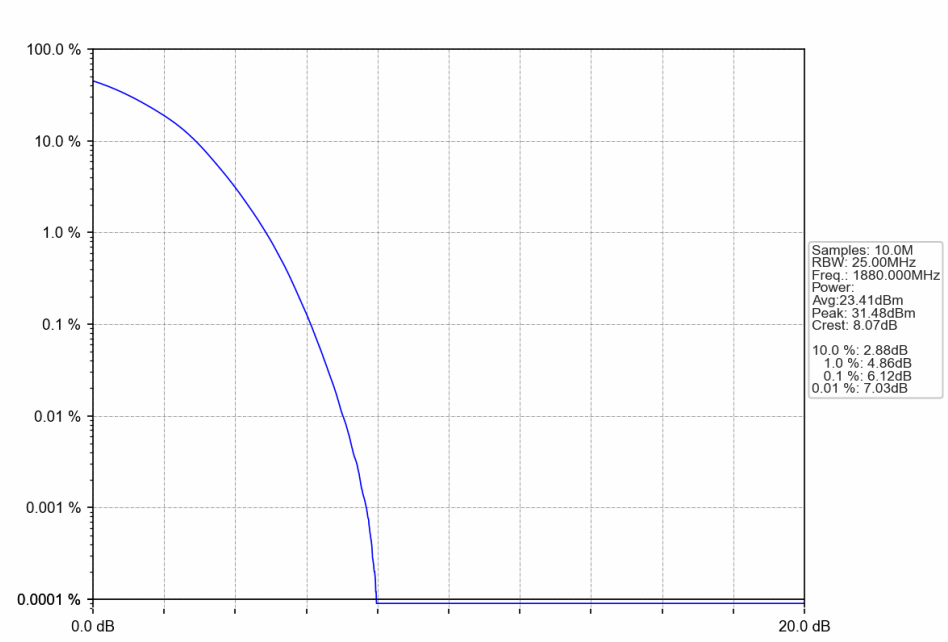

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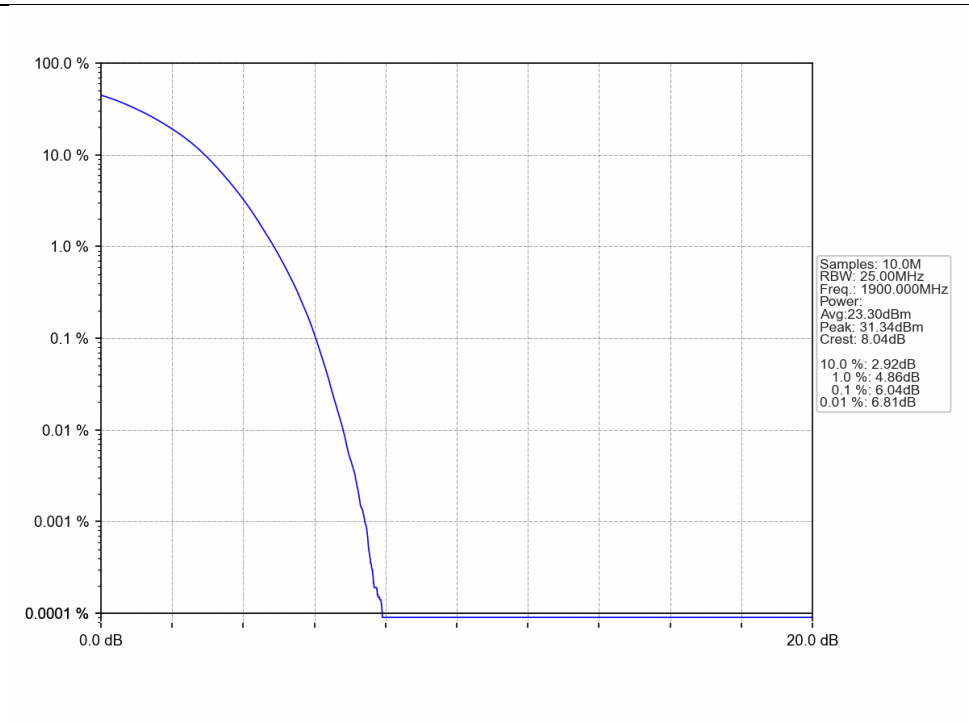

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4. Peak-Average Ratio

4.1 B4_1.4MHz

4.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.60	<=13	Pass
	1732.5	6	0	5.59	<=13	Pass
	1754.3	6	0	5.54	<=13	Pass
16QAM	1710.7	6	0	6.28	<=13	Pass
	1732.5	6	0	6.25	<=13	Pass
	1754.3	6	0	6.09	<=13	Pass

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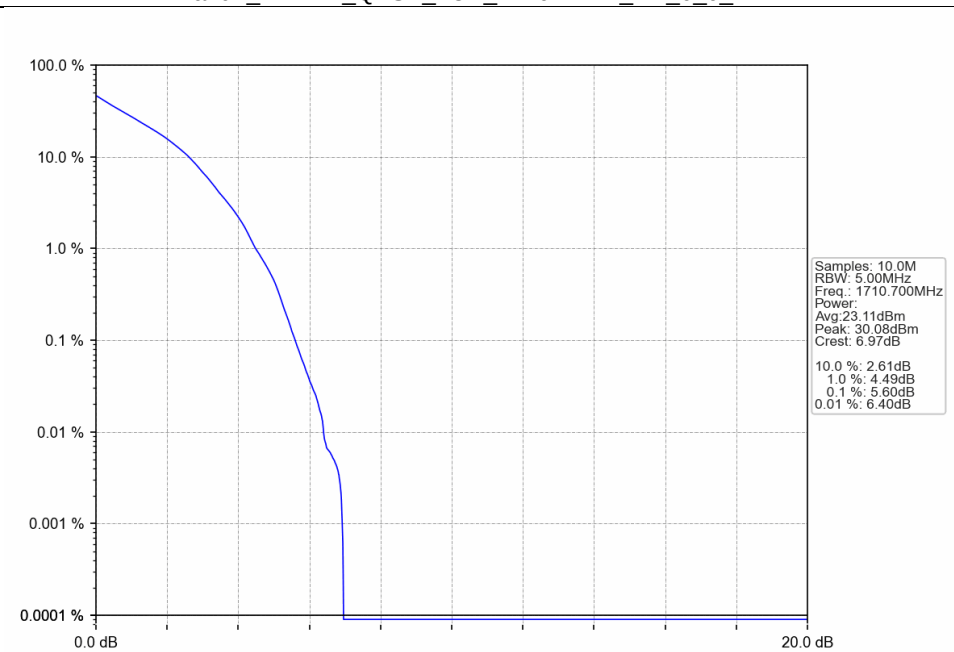
4.1.2 Test Graph

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

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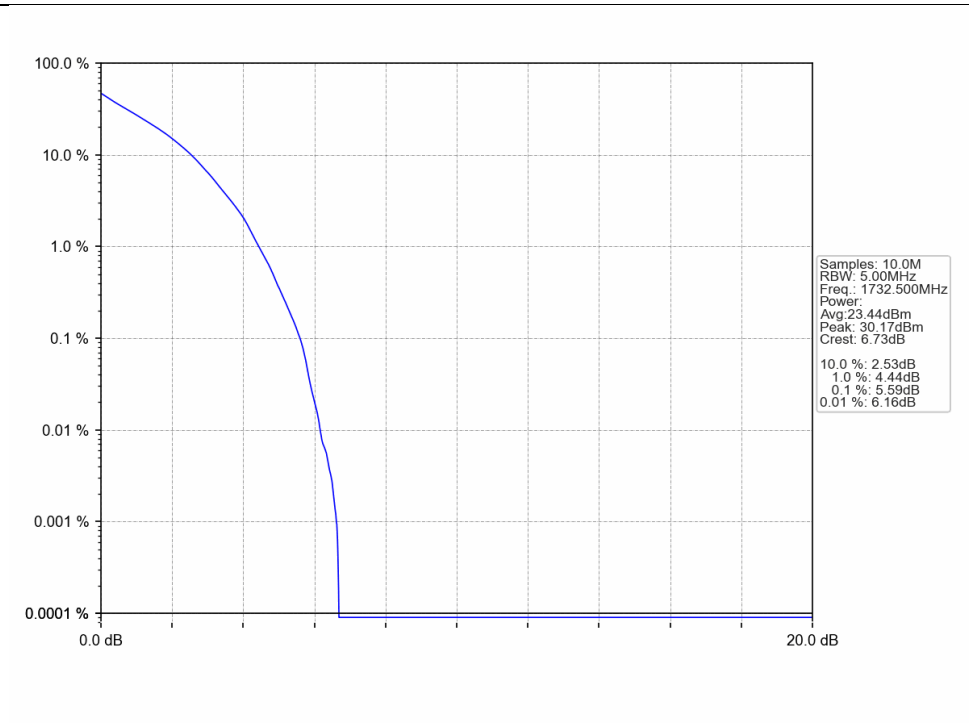

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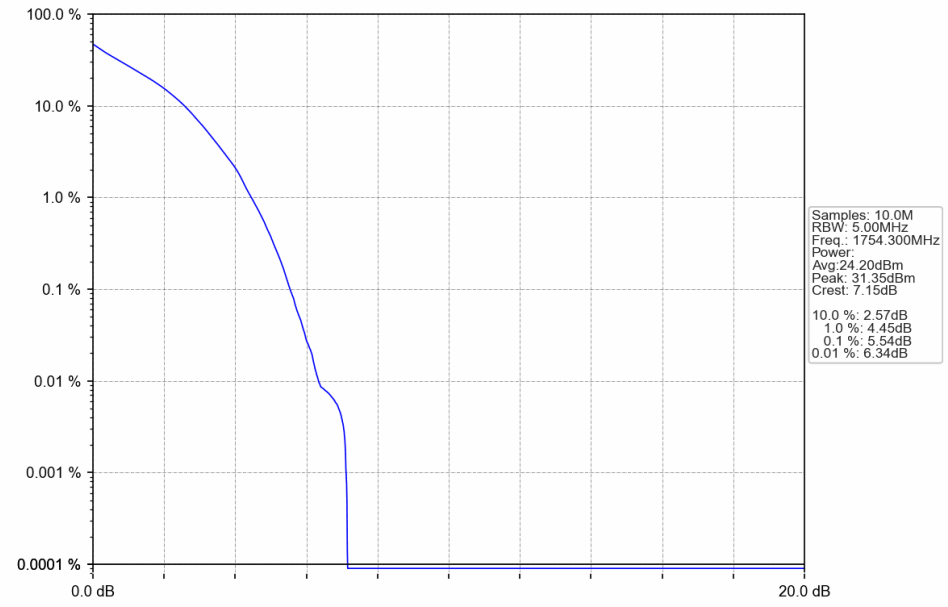
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

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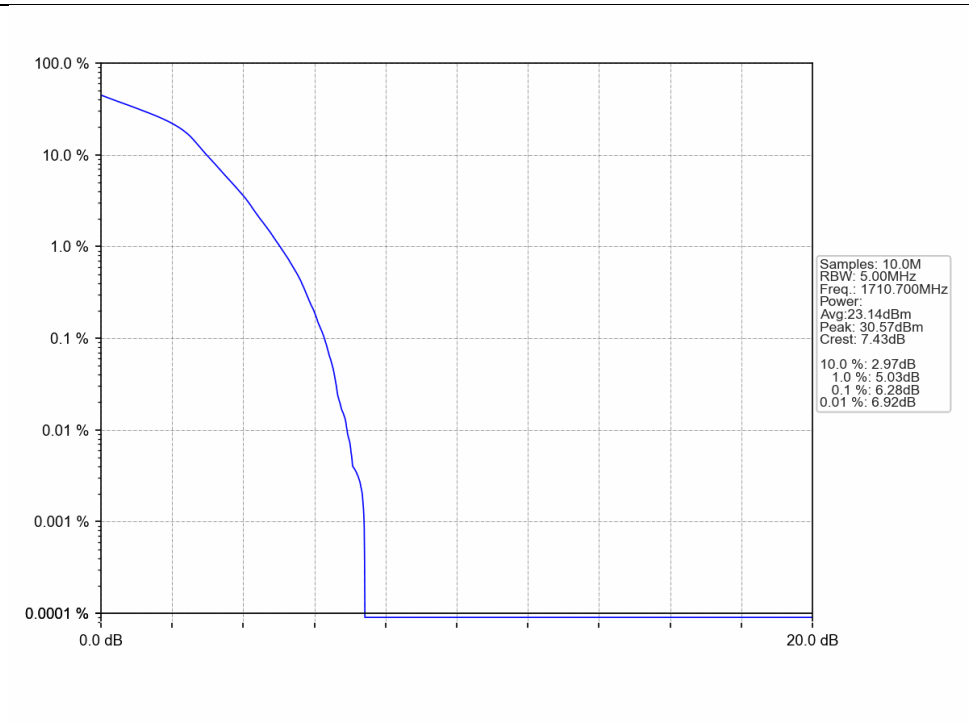

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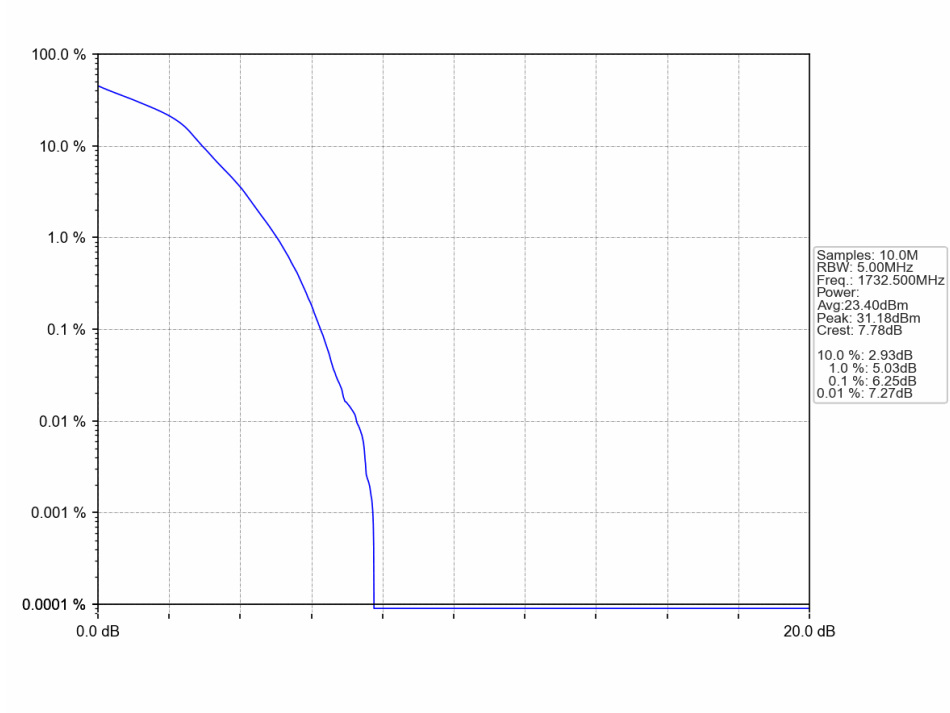
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

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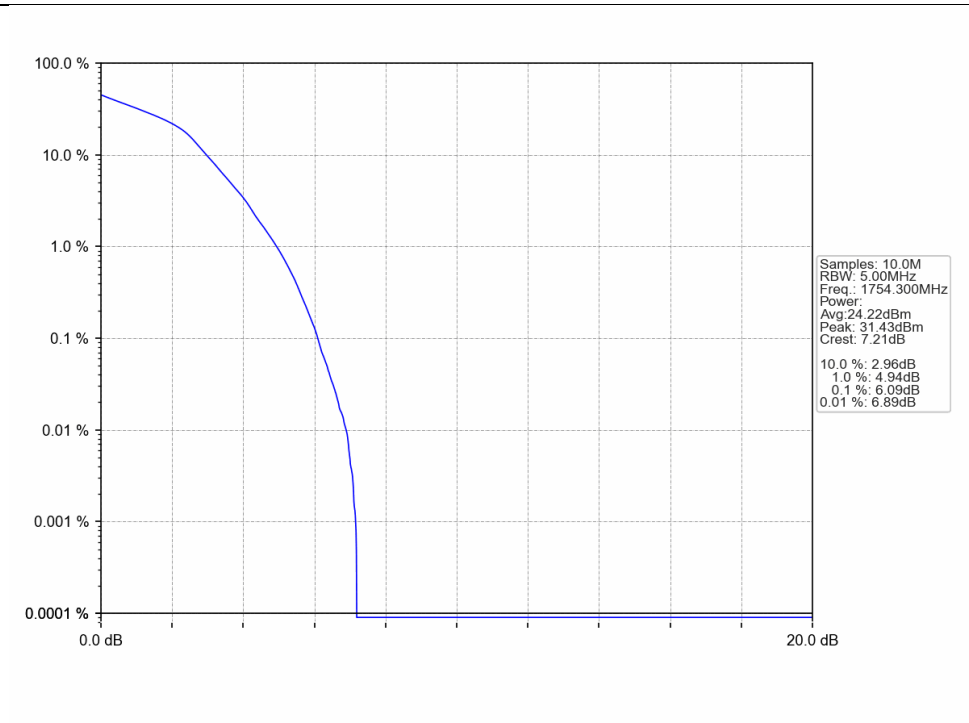

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4.2 B4_3MHz

4.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.72	<=13	Pass
	1732.5	15	0	5.48	<=13	Pass
	1753.5	15	0	5.55	<=13	Pass
16QAM	1711.5	15	0	6.35	<=13	Pass
	1732.5	15	0	6.29	<=13	Pass
	1753.5	15	0	6.20	<=13	Pass

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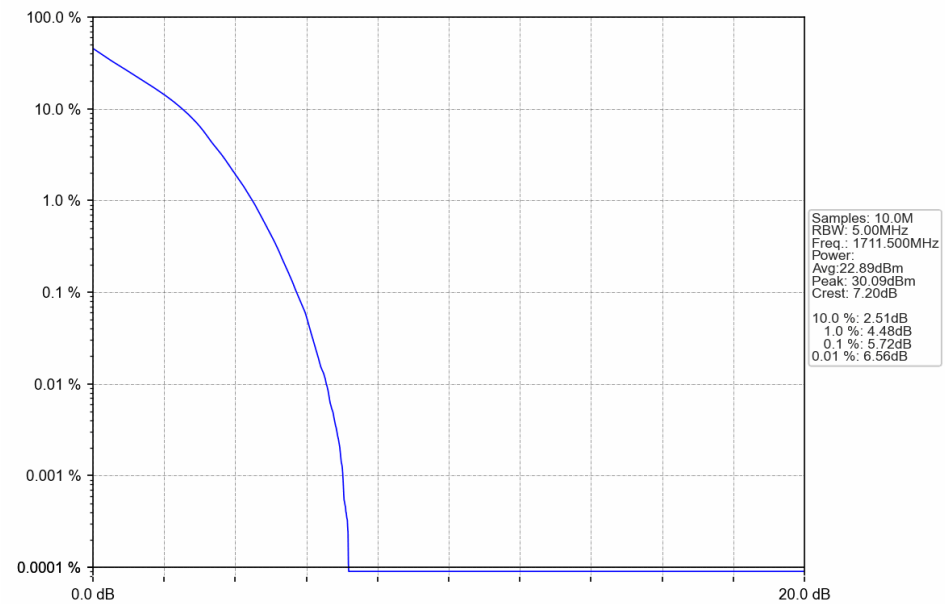
4.2.2 Test Graph

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

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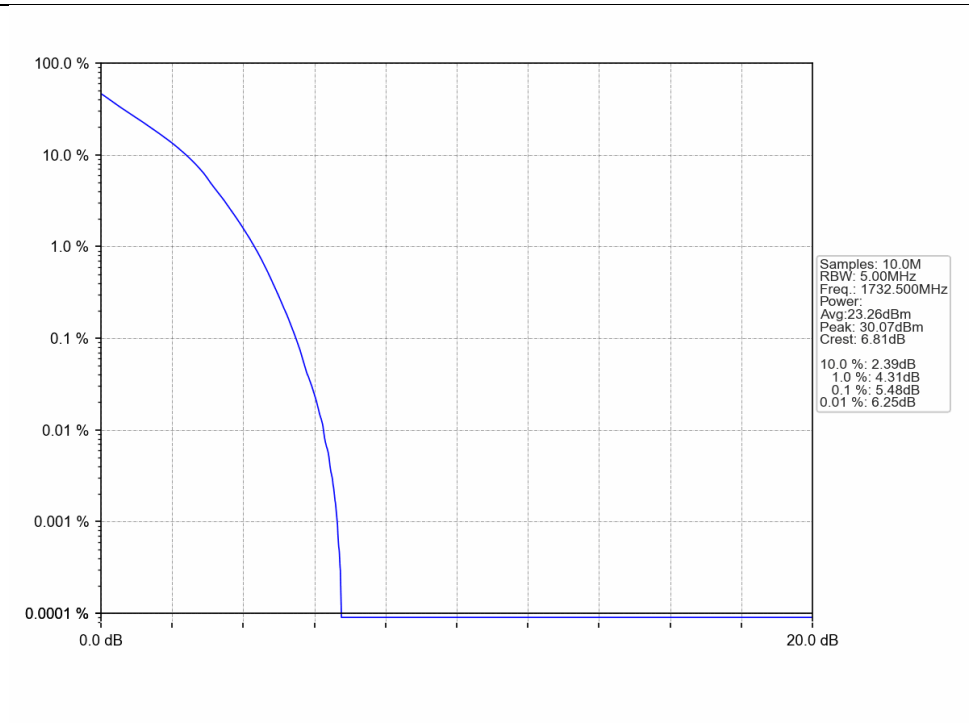

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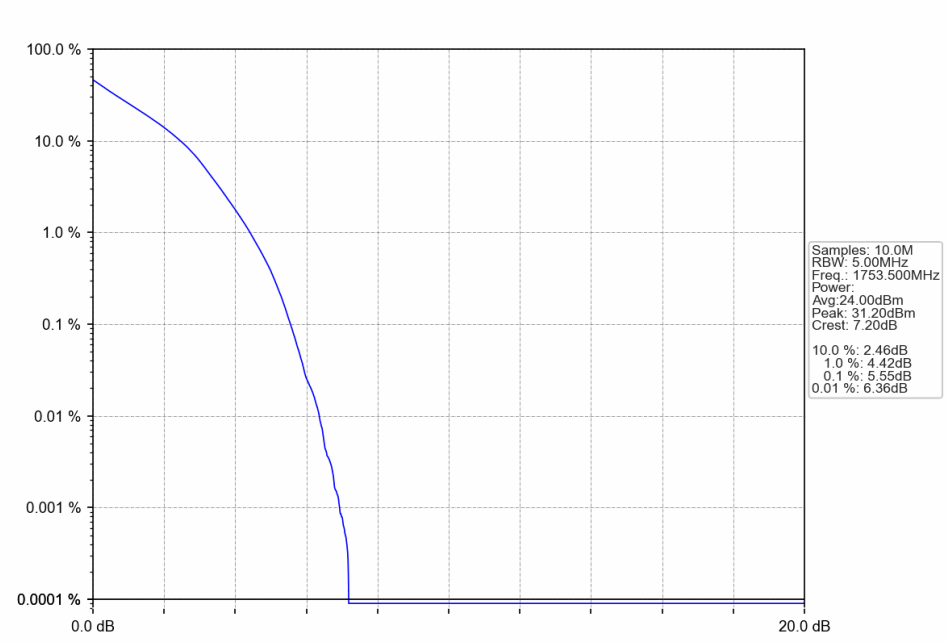

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

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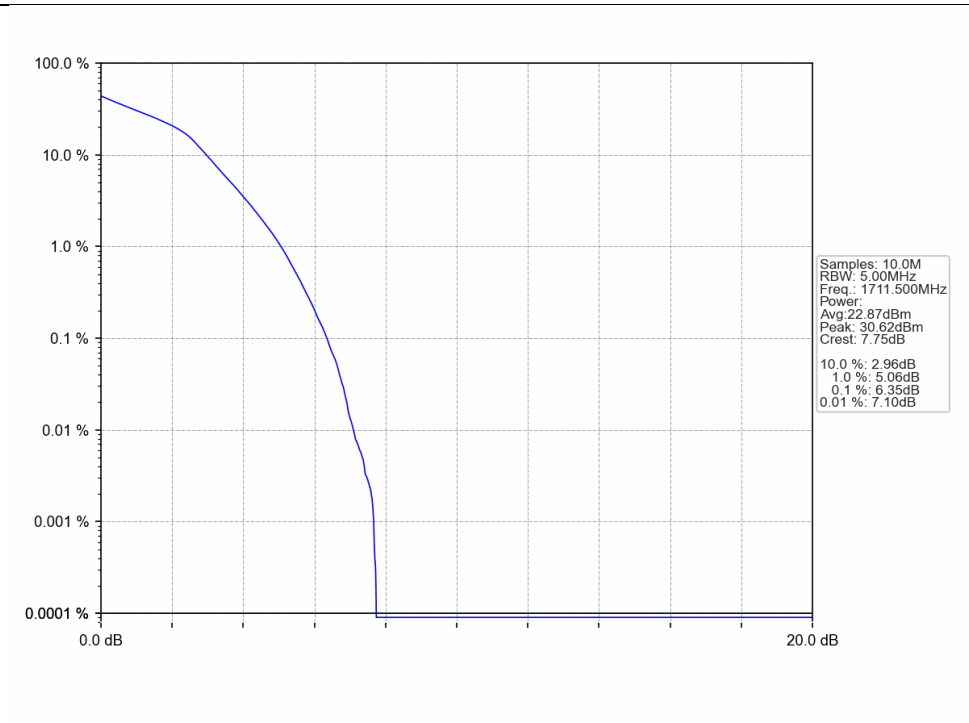

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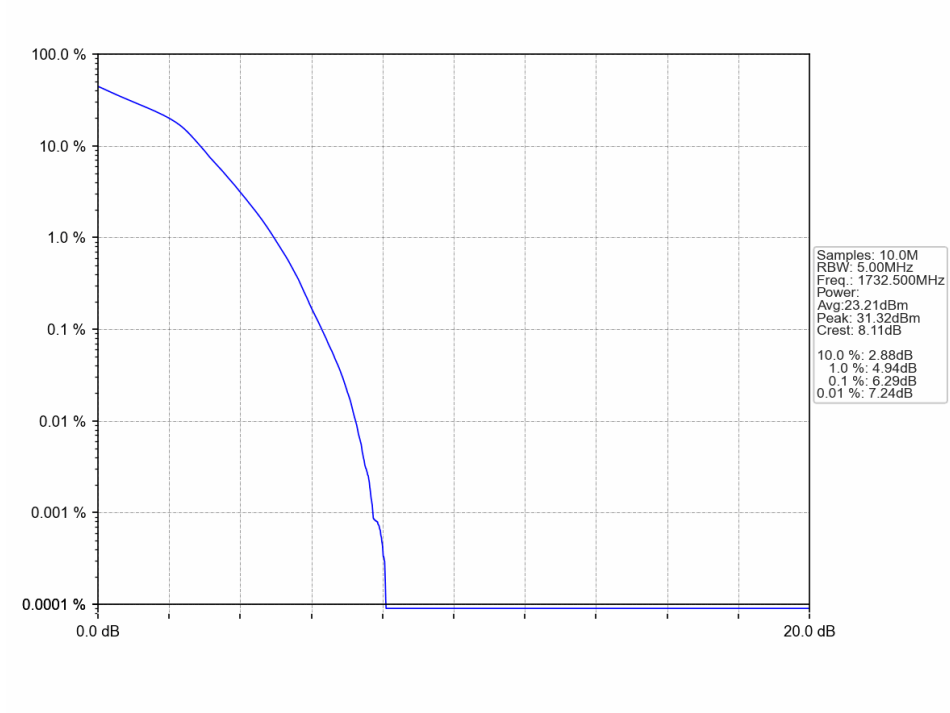
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

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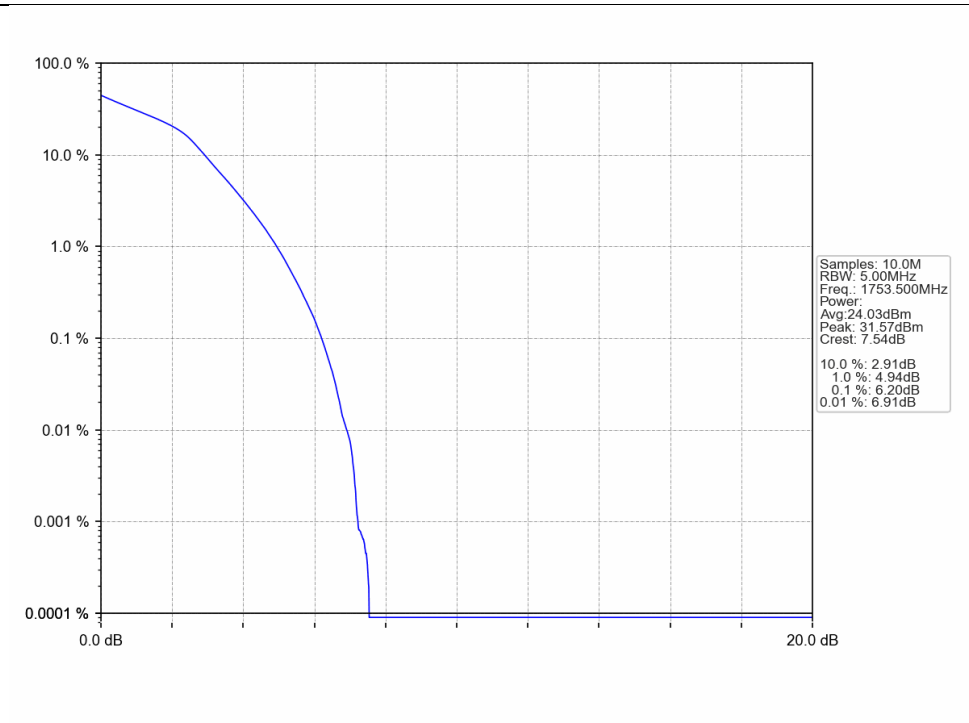

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4.3 B4_5MHz

4.3.1 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	5.75	<=13	Pass
	1732.5	25	0	5.65	<=13	Pass
	1752.5	25	0	5.62	<=13	Pass
16QAM	1712.5	25	0	6.33	<=13	Pass
	1732.5	25	0	6.28	<=13	Pass
	1752.5	25	0	6.29	<=13	Pass

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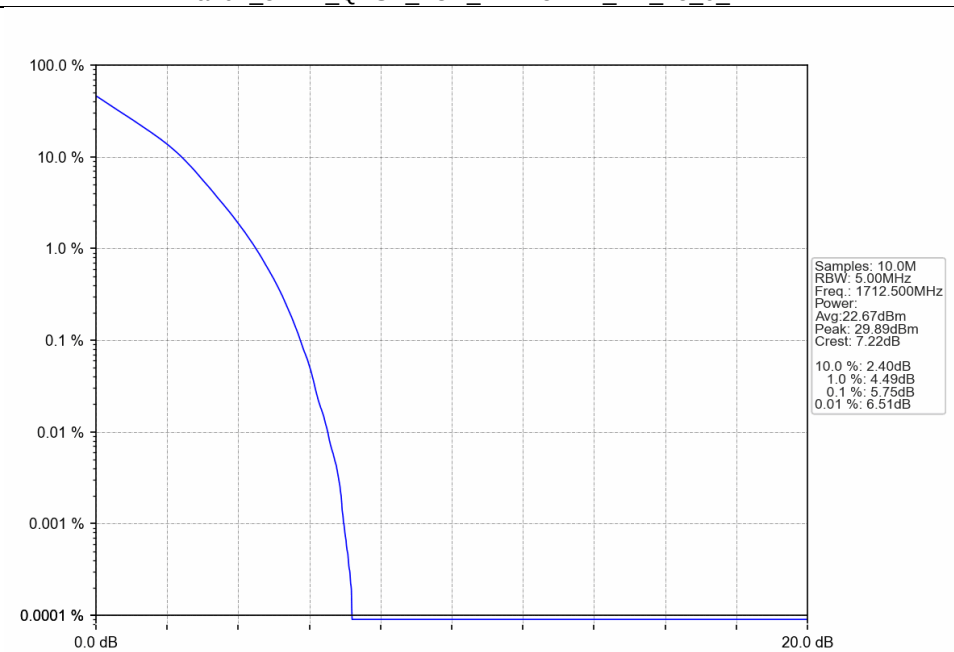
4.3.2 Test Graph

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

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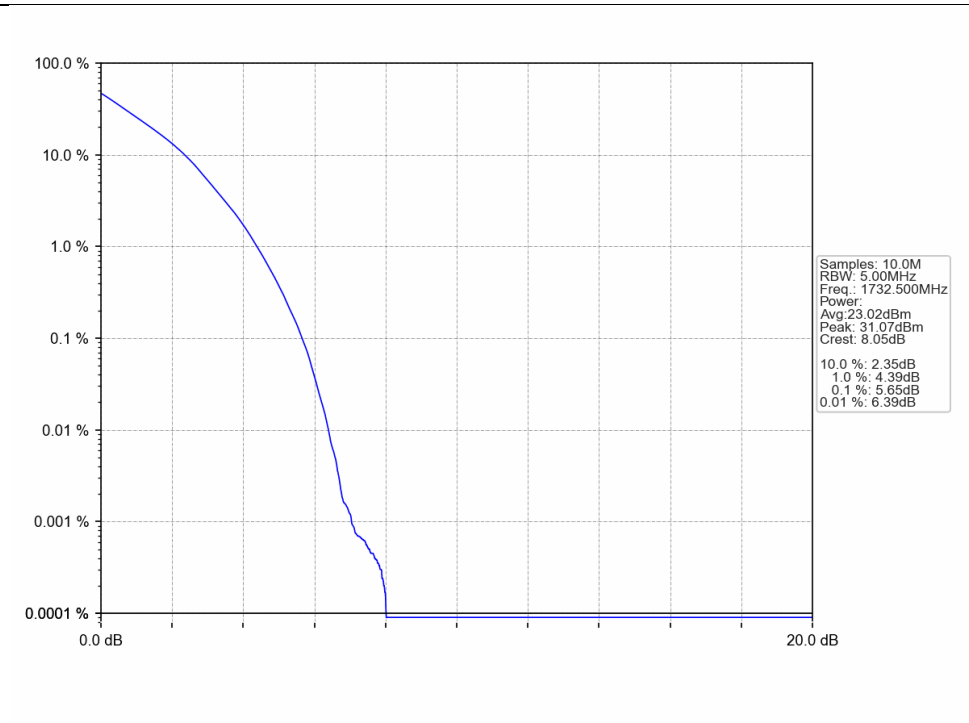

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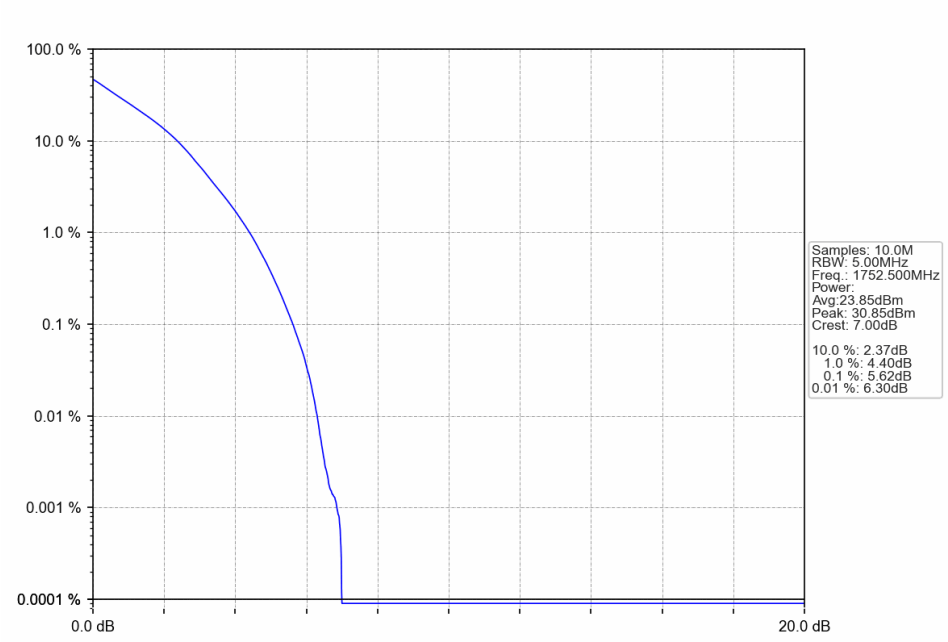
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

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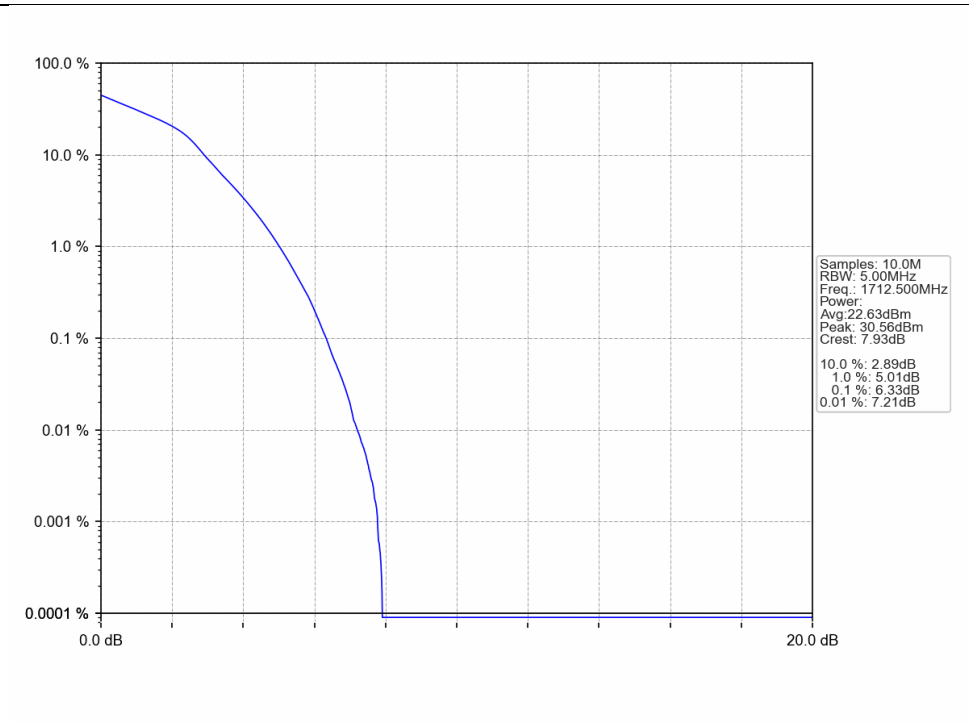

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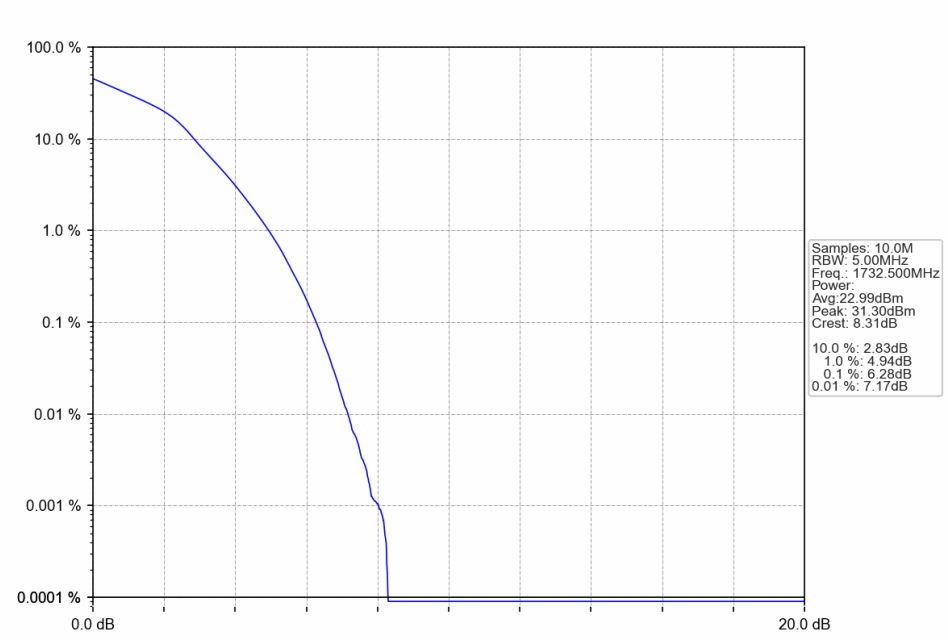
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

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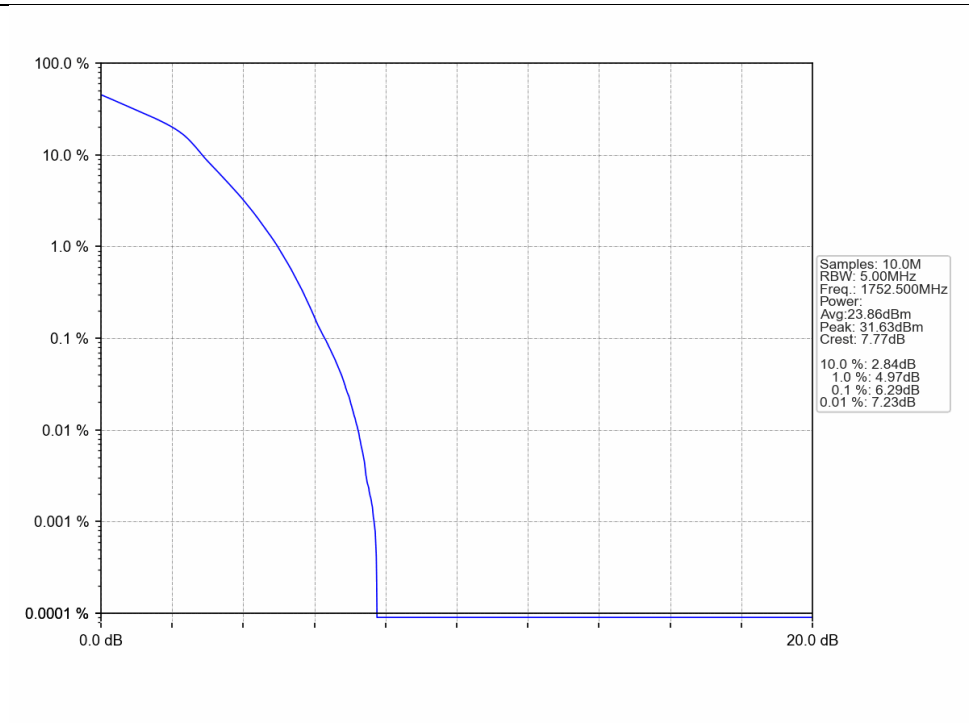

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4.4 B4_10MHz

4.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.67	<=13	Pass
	1732.5	50	0	5.56	<=13	Pass
	1750	50	0	5.52	<=13	Pass
16QAM	1715	50	0	6.30	<=13	Pass
	1732.5	50	0	6.29	<=13	Pass
	1750	50	0	6.23	<=13	Pass

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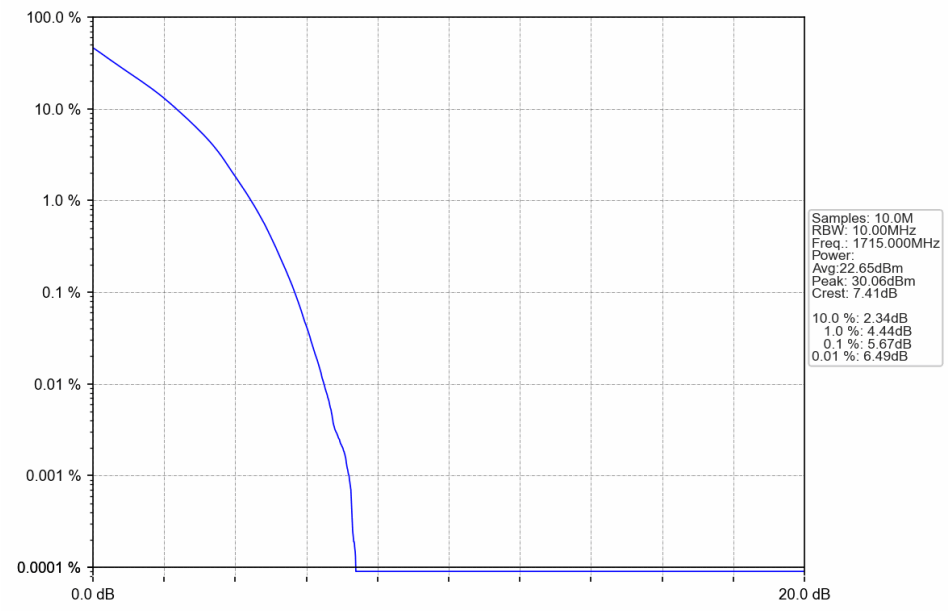
4.4.2 Test Graph

Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

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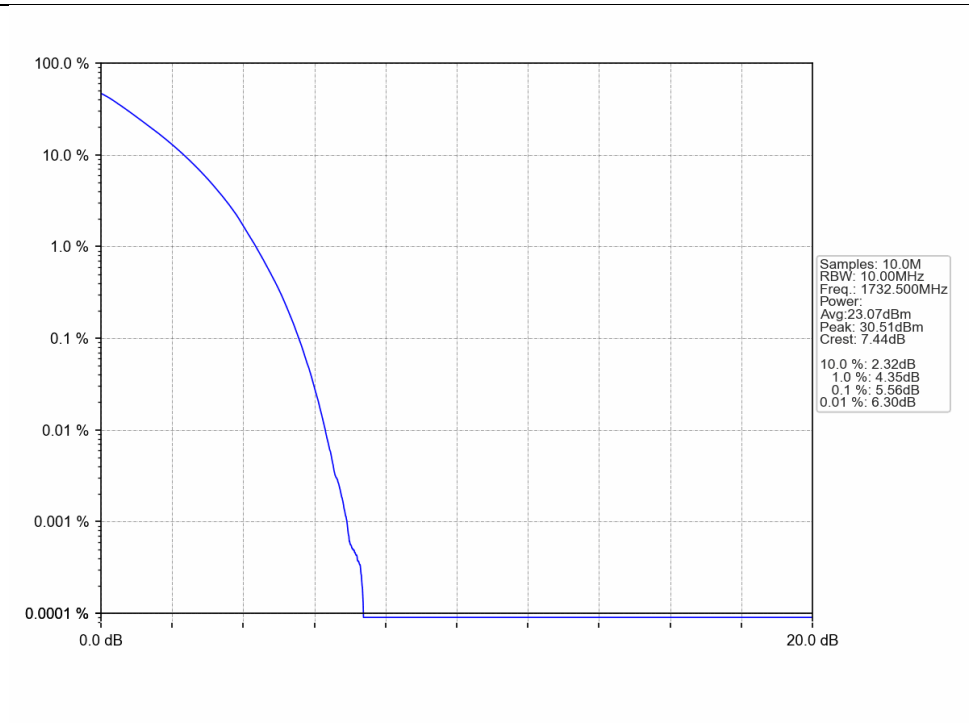

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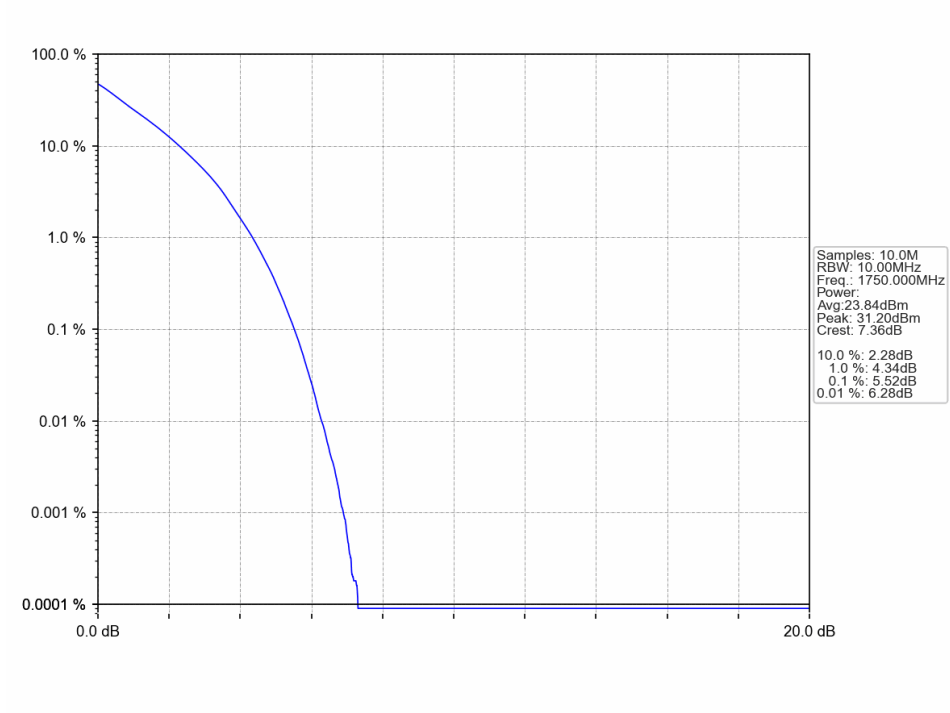
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

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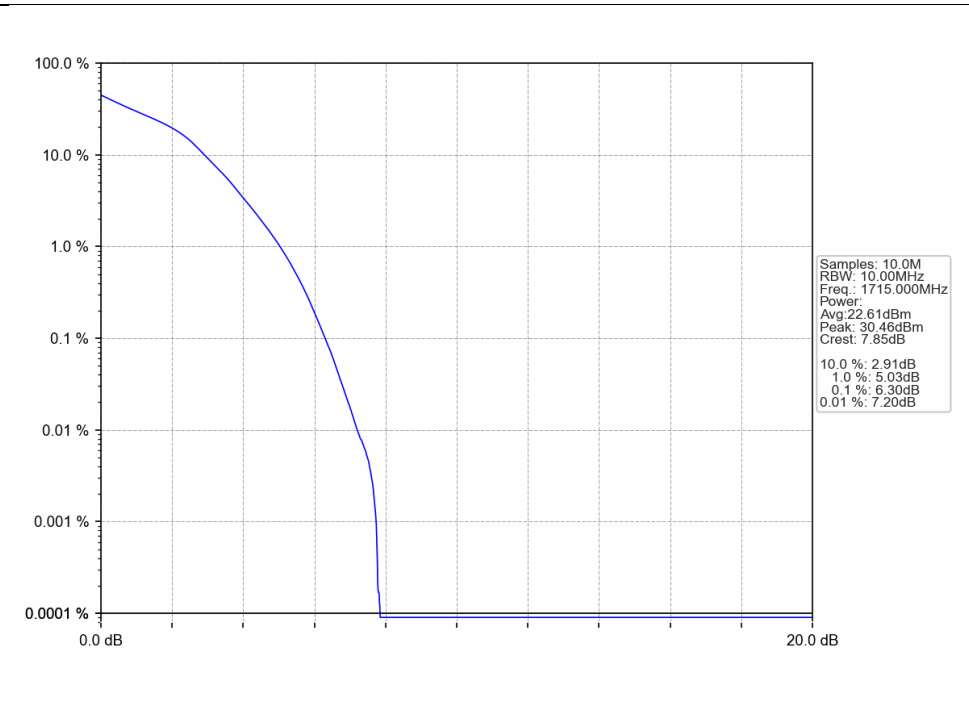

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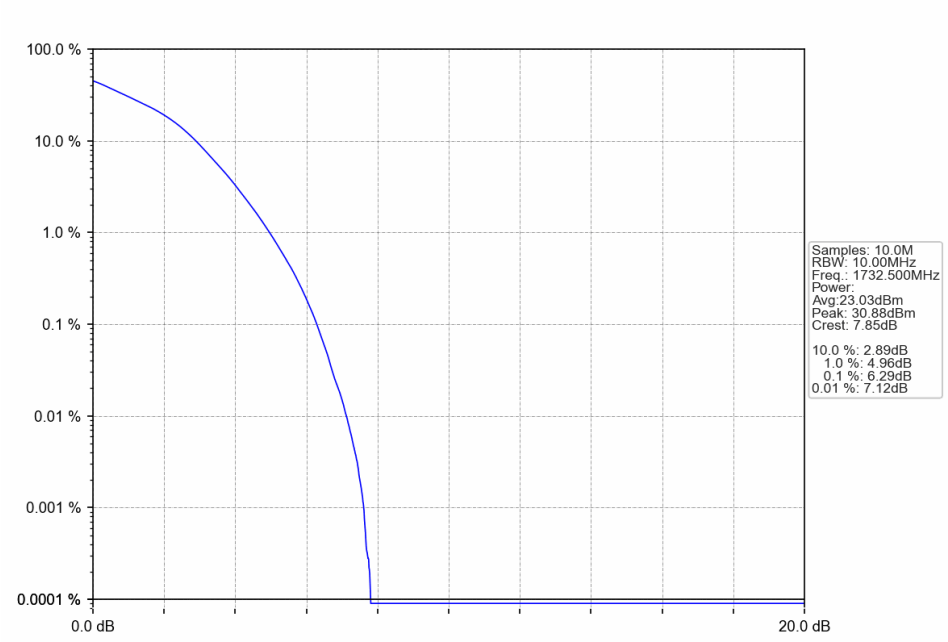

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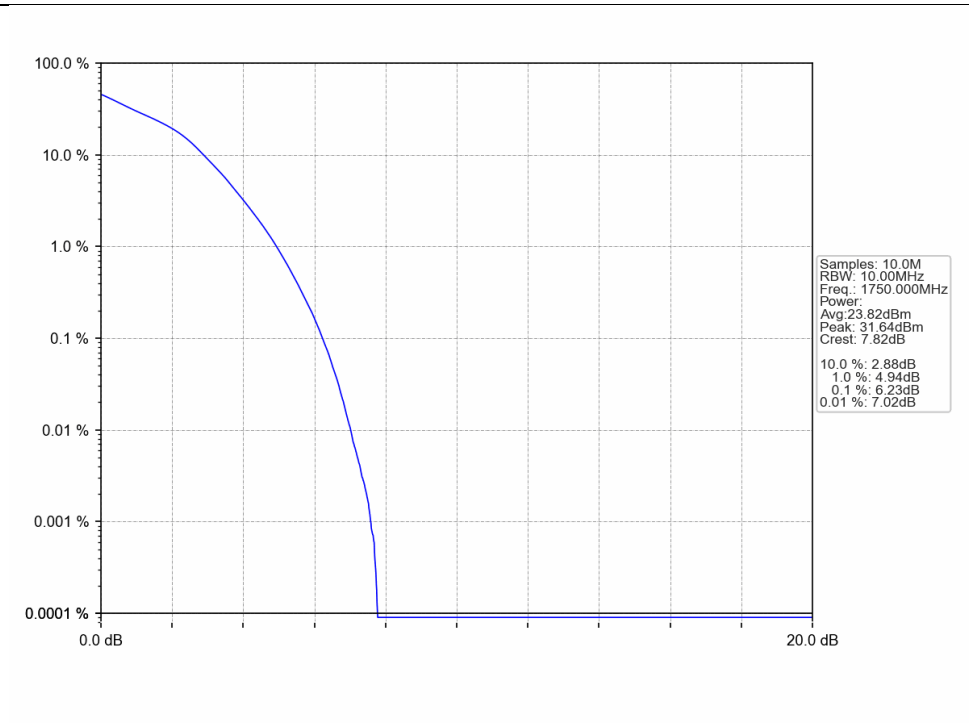

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4.5 B4_15MHz

4.5.1 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	5.36	<=13	Pass
	1732.5	75	0	5.29	<=13	Pass
	1747.5	75	0	5.39	<=13	Pass
16QAM	1717.5	75	0	6.11	<=13	Pass
	1732.5	75	0	6.10	<=13	Pass
	1747.5	75	0	6.15	<=13	Pass

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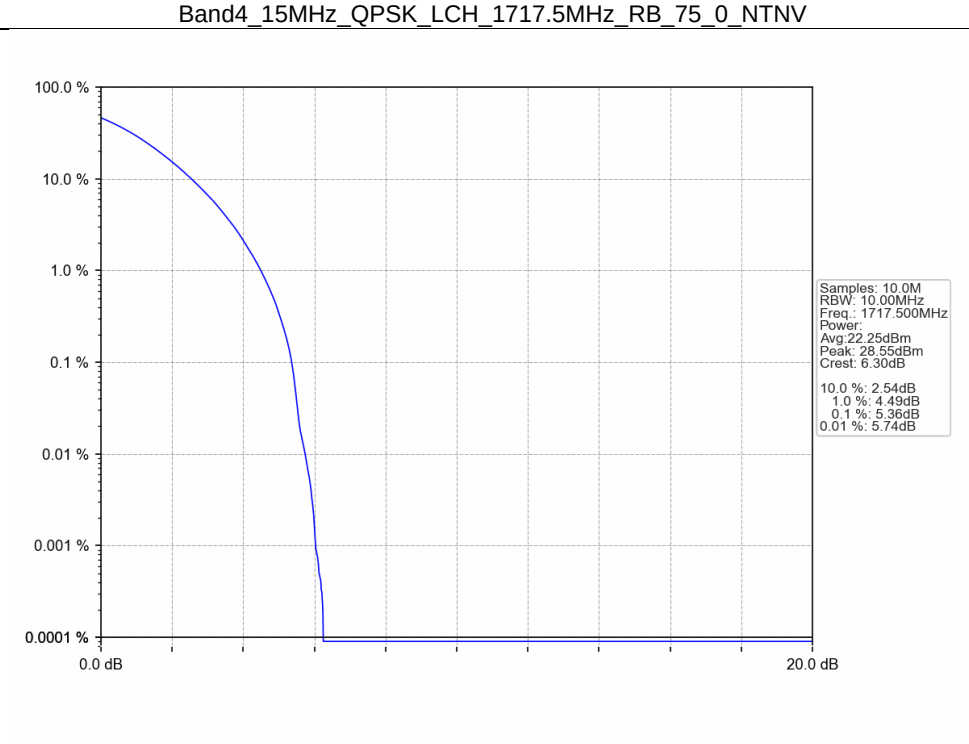
4.5.2 Test Graph

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

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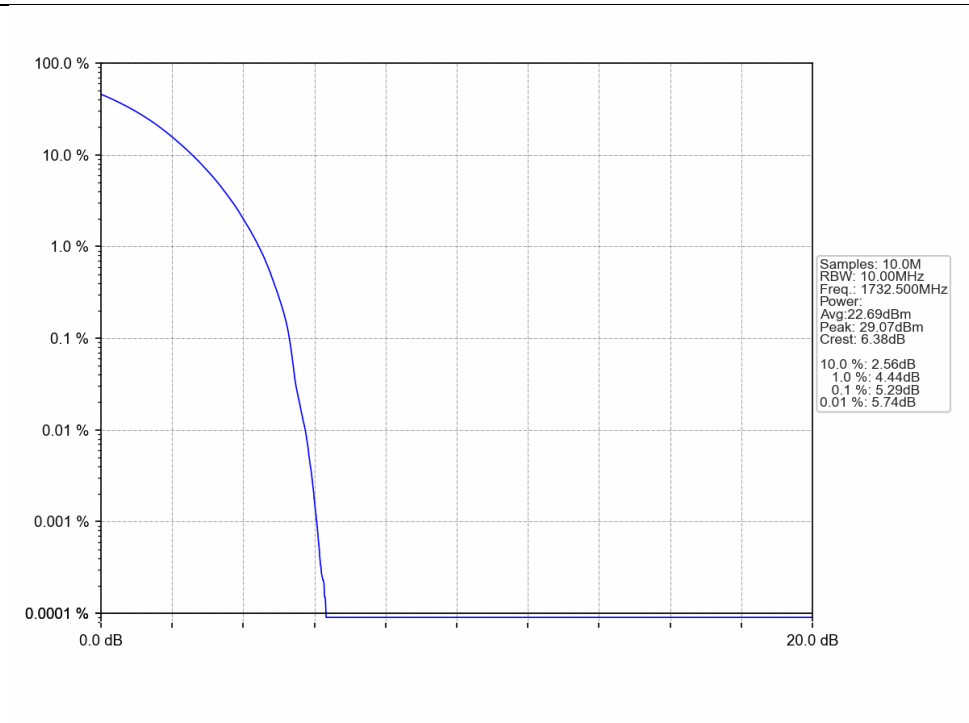

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