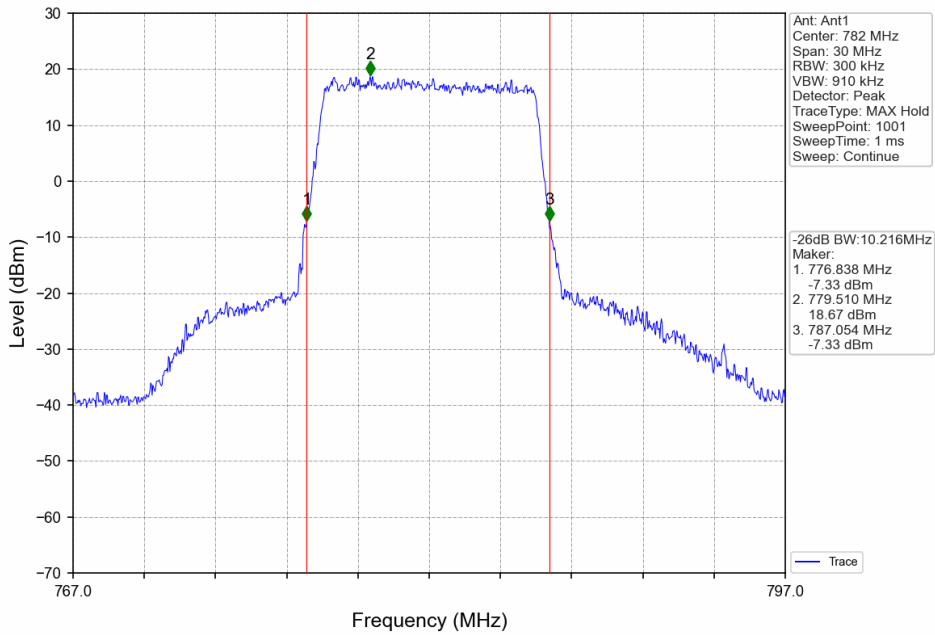
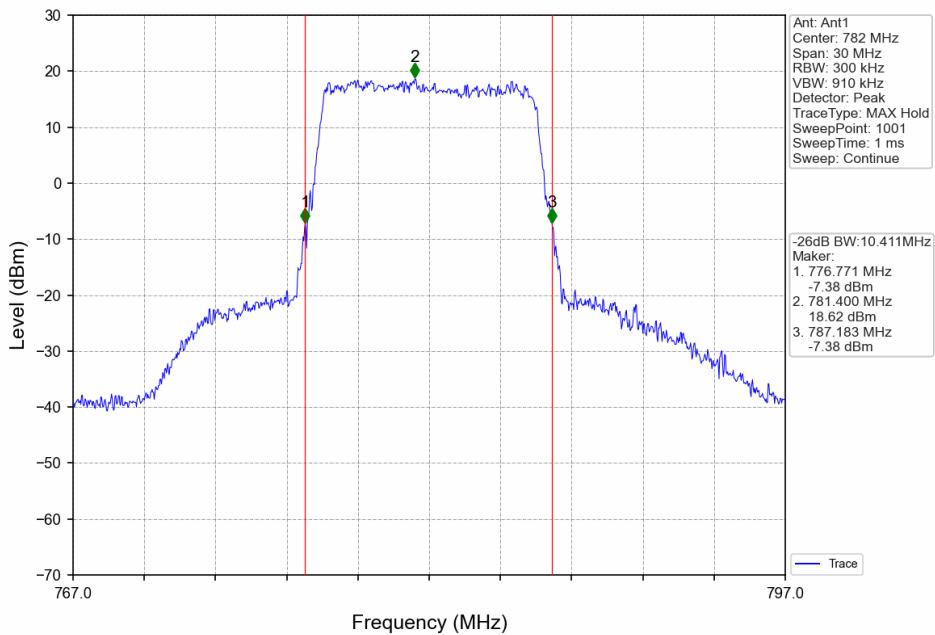




Band13\_10MHz\_QPSK\_LCH\_782MHz\_RB\_50\_0\_NTNV

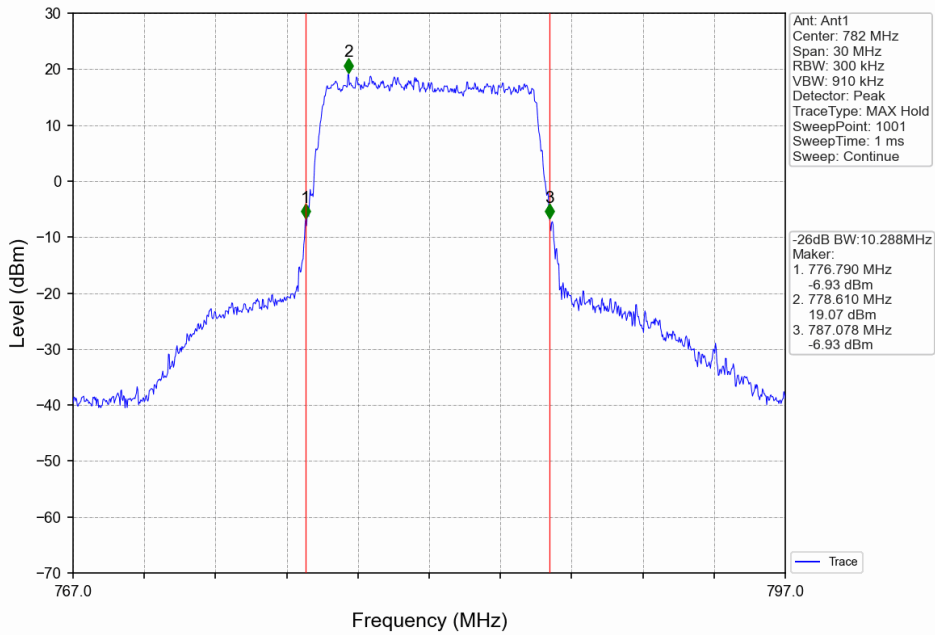


Band13\_10MHz\_QPSK\_MCH\_782MHz\_RB\_50\_0\_NTNV

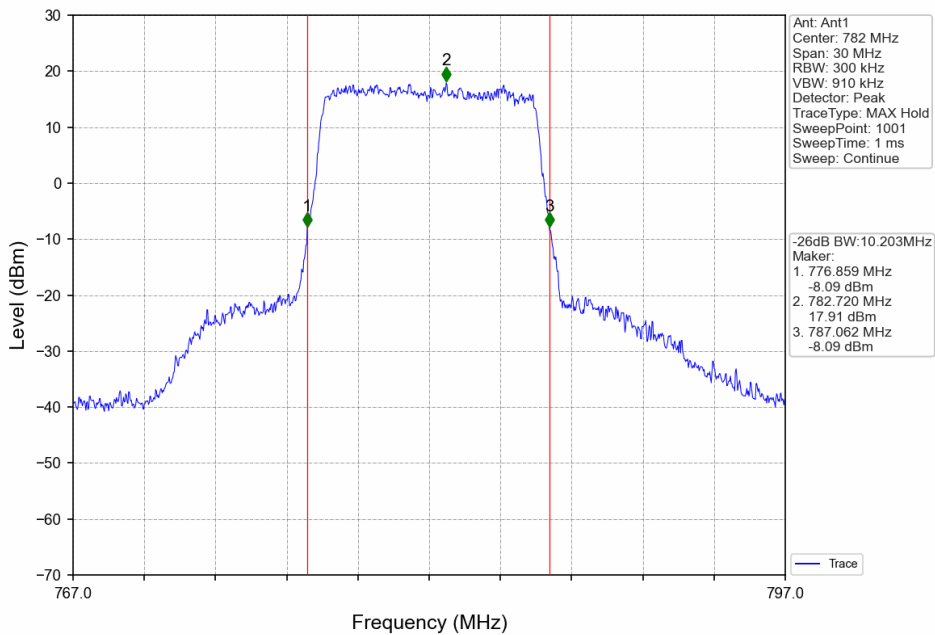




Band13\_10MHz\_QPSK\_HCH\_782MHz\_RB\_50\_0\_NTNV

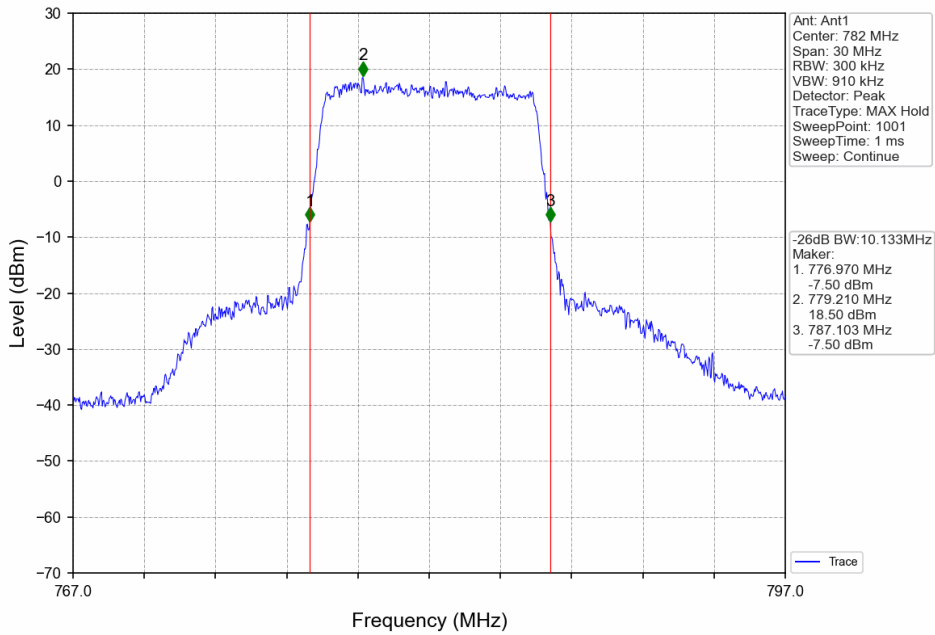


Band13\_10MHz\_16QAM\_LCH\_782MHz\_RB\_50\_0\_NTNV

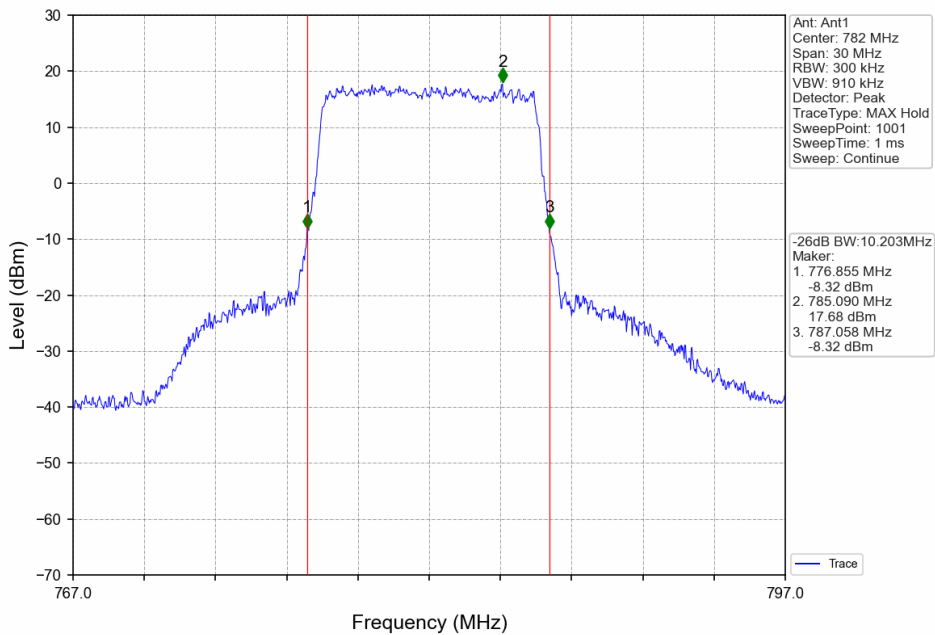




Band13\_10MHz\_16QAM\_MCH\_782MHz\_RB\_50\_0\_NTNV



Band13\_10MHz\_16QAM\_HCH\_782MHz\_RB\_50\_0\_NTNV





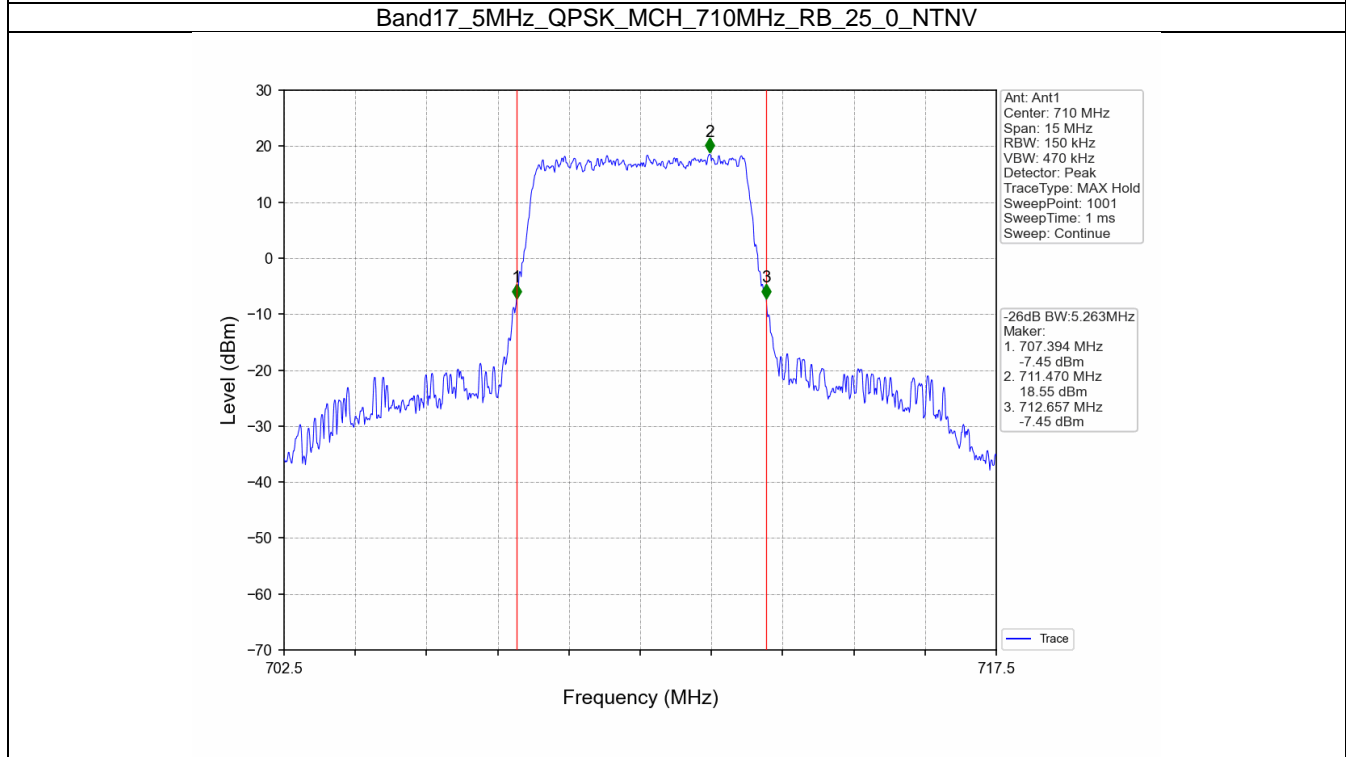
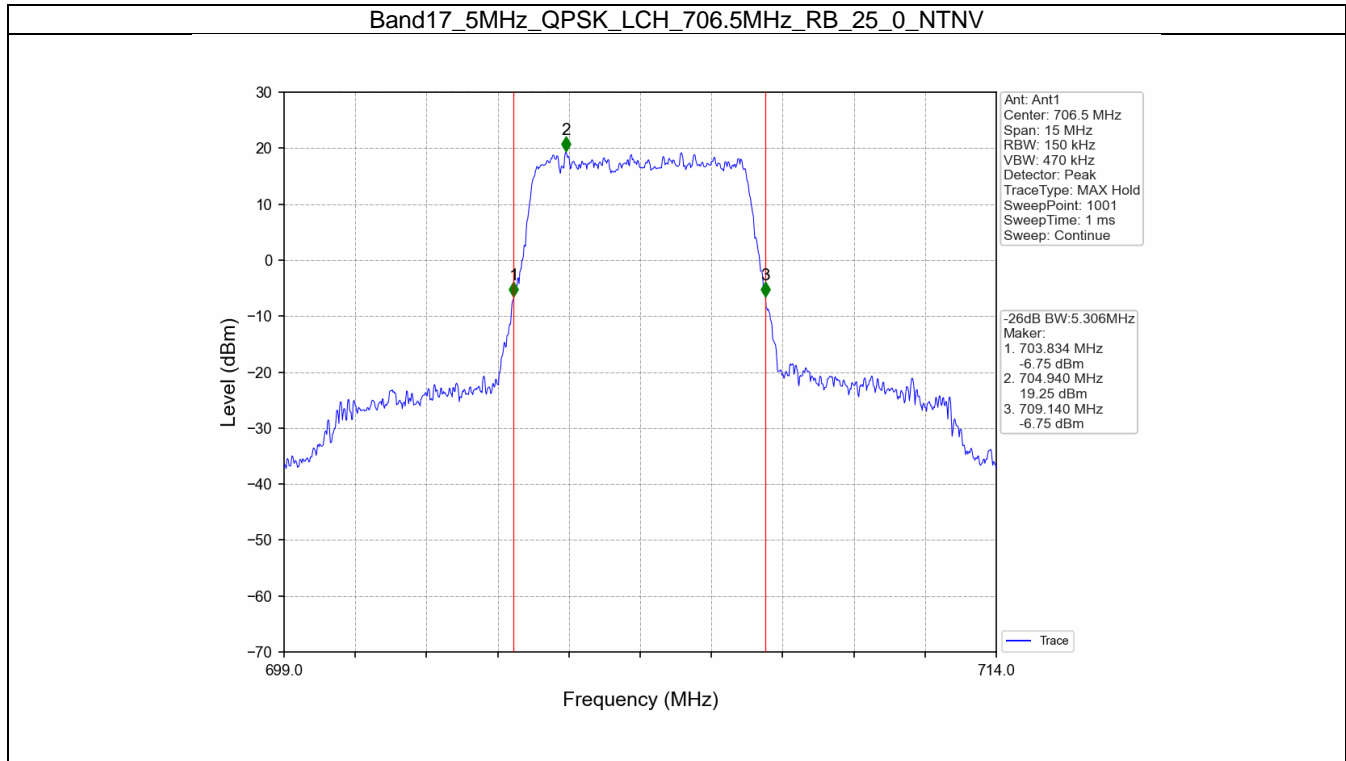
## 2.10. Band17\_XDB

### 2.10.1. Test Result

Band: 17 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	706.5	25	0	5.306	Pass
		710	25	0	5.263	Pass
		713.5	25	0	5.281	Pass
	16QAM	706.5	25	0	5.257	Pass
		710	25	0	5.248	Pass
		713.5	25	0	5.255	Pass
10	QPSK	709	50	0	10.312	Pass
		710	50	0	10.147	Pass
		711	50	0	10.222	Pass
	16QAM	709	50	0	10.203	Pass
		710	50	0	10.396	Pass
		711	50	0	10.259	Pass

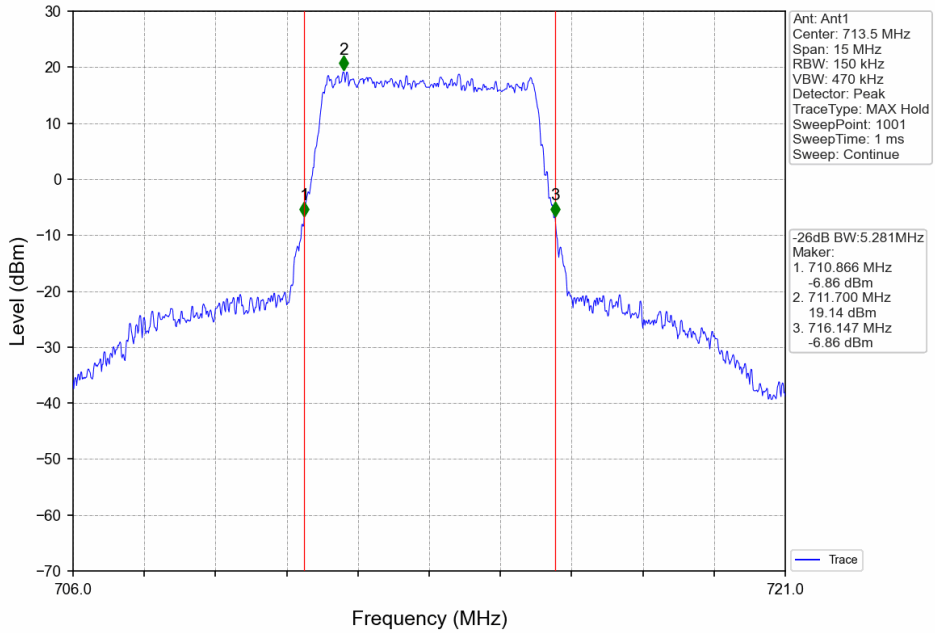


### 2.10.2. Test Graph

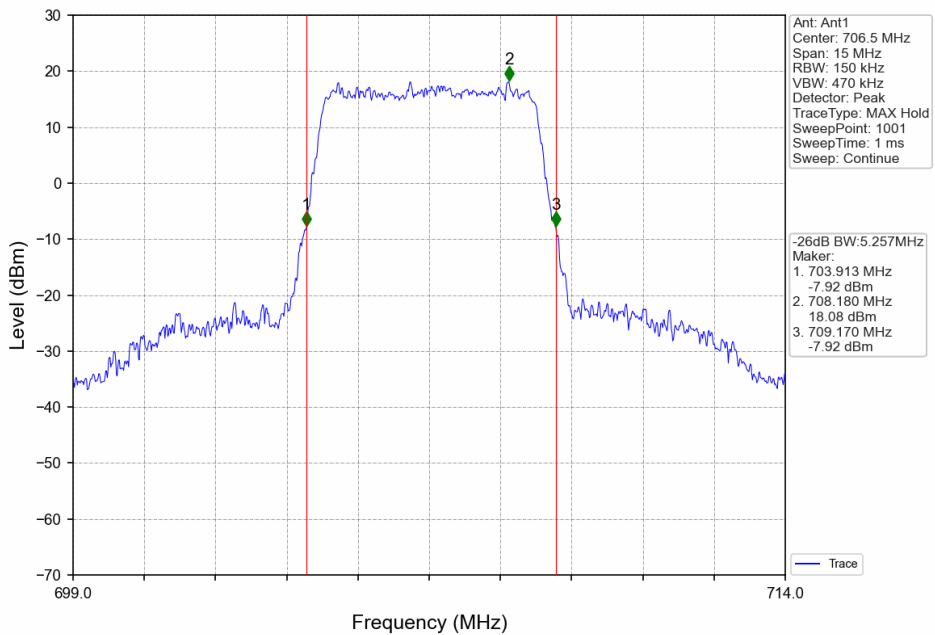




Band17\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV

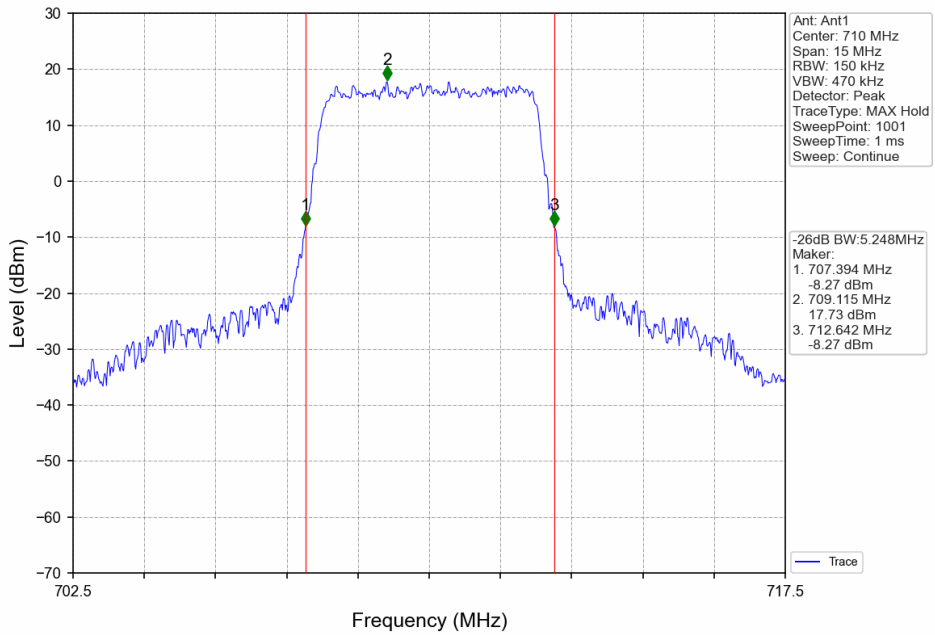


Band17\_5MHz\_16QAM\_LCH\_706.5MHz\_RB\_25\_0\_NTNV

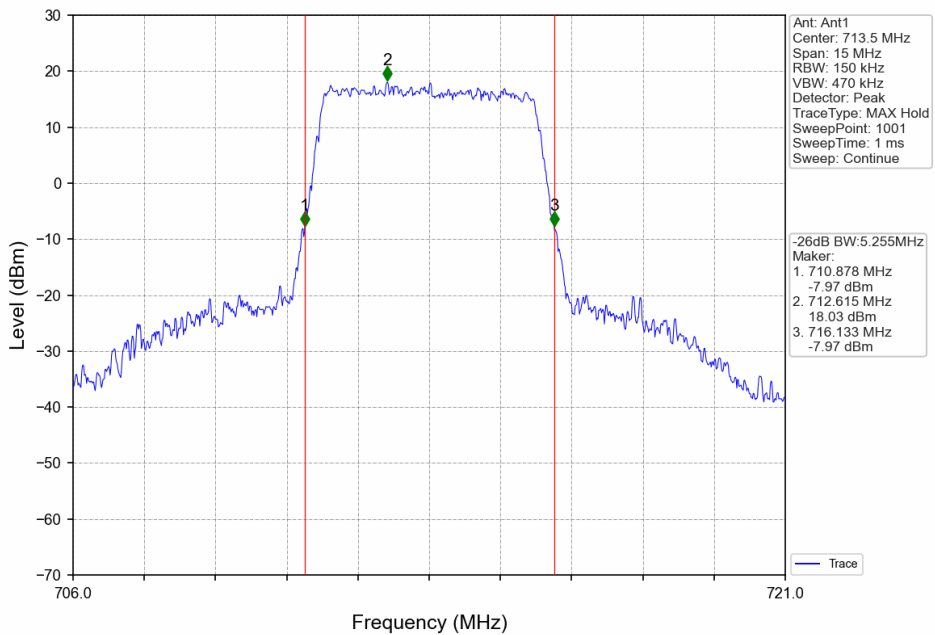




Band17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_25\_0\_NTNV

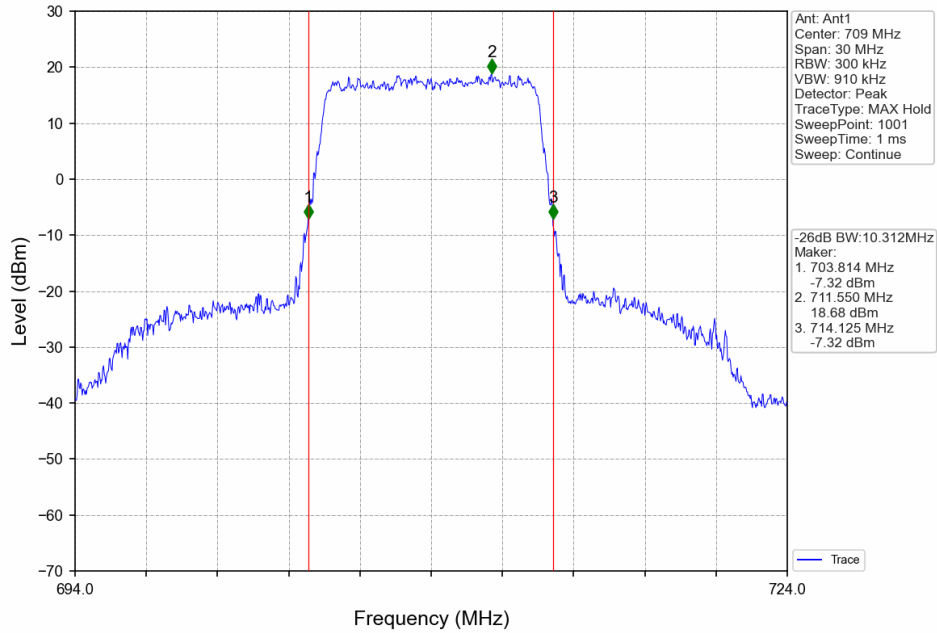


Band17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV

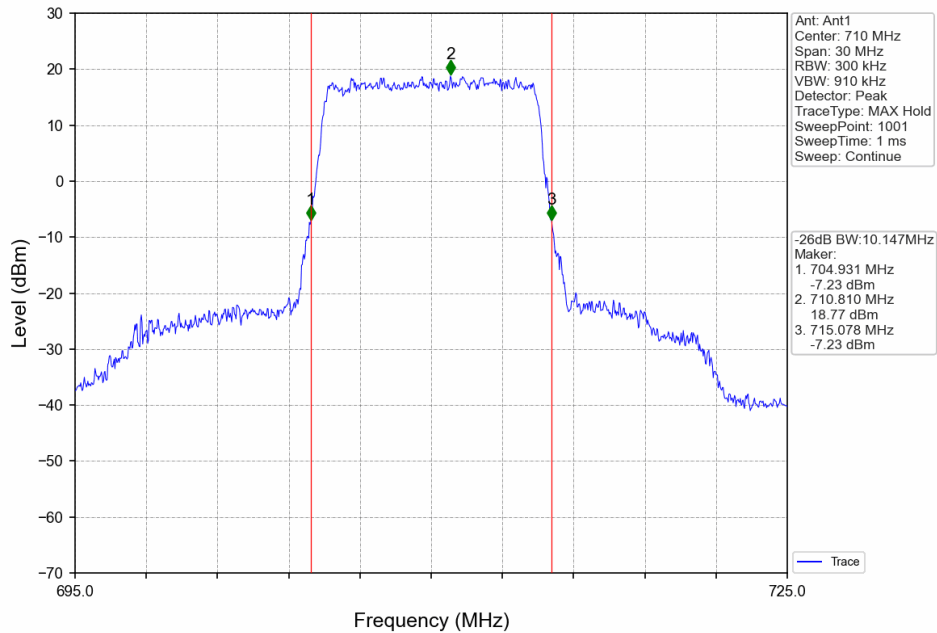




Band17\_10MHz\_QPSK\_LCH\_709MHz\_RB\_50\_0\_NTNV



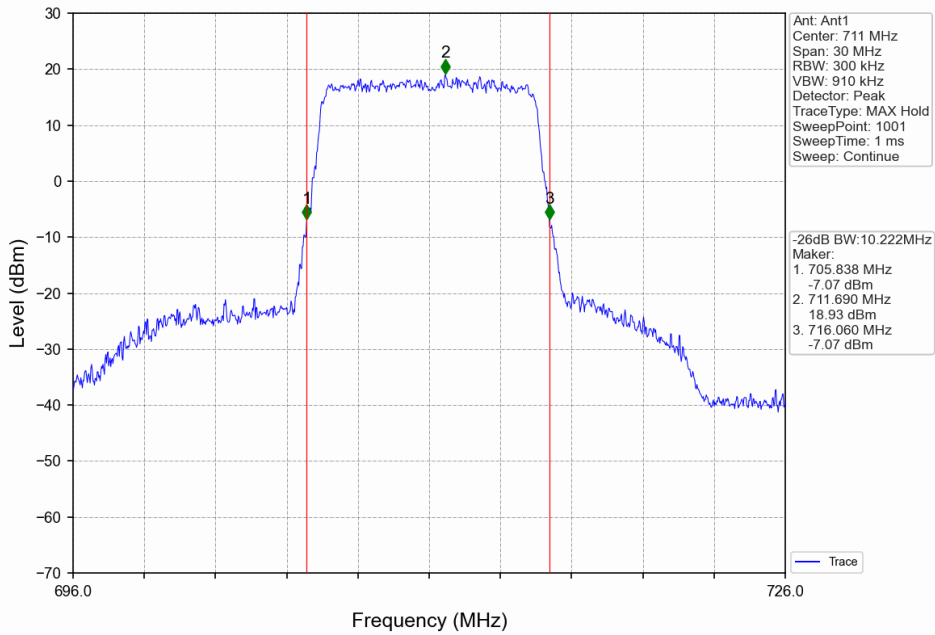
Band17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_50\_0\_NTNV



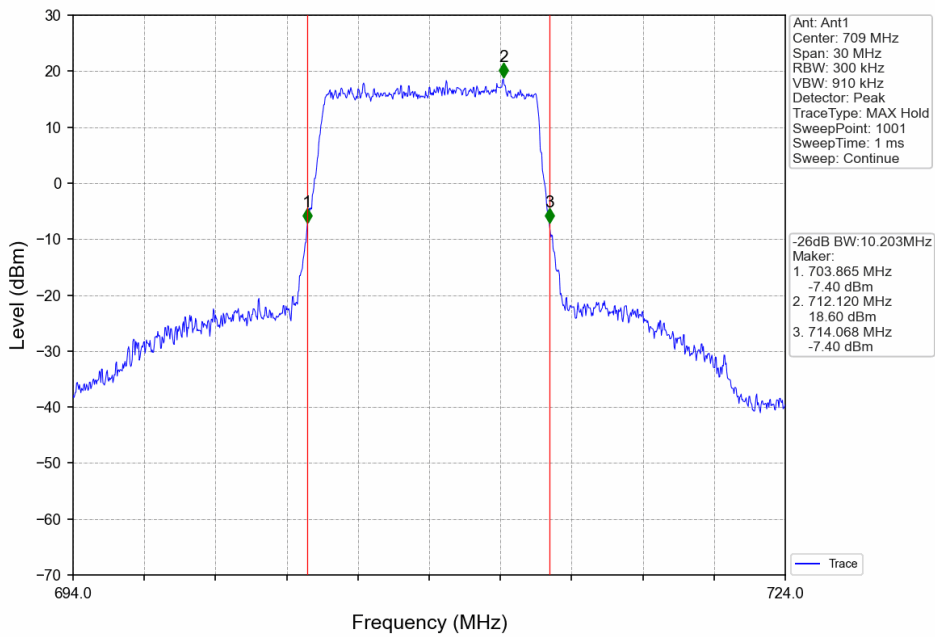




Band17\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV

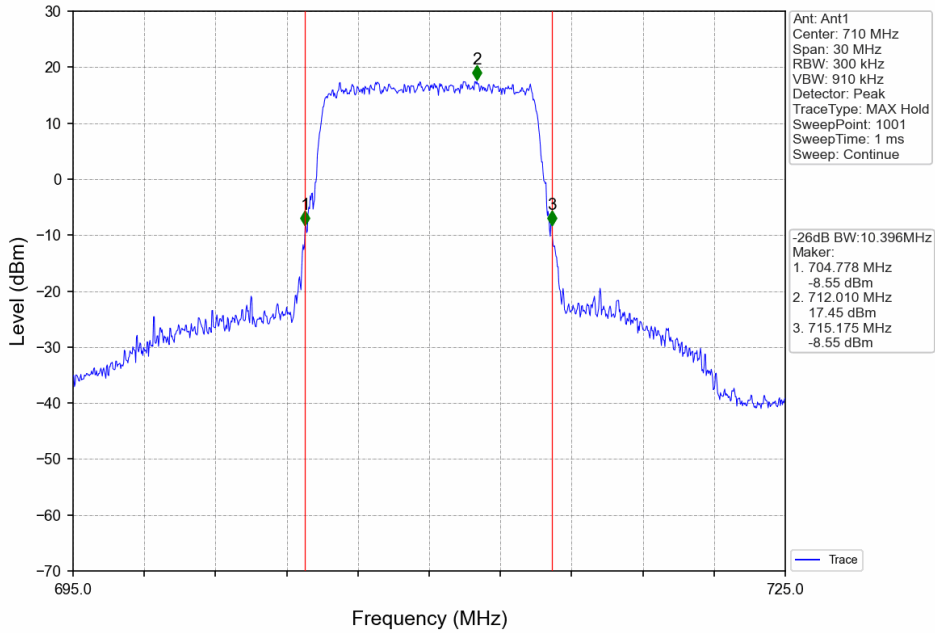


Band17\_10MHz\_16QAM\_LCH\_709MHz\_RB\_50\_0\_NTNV

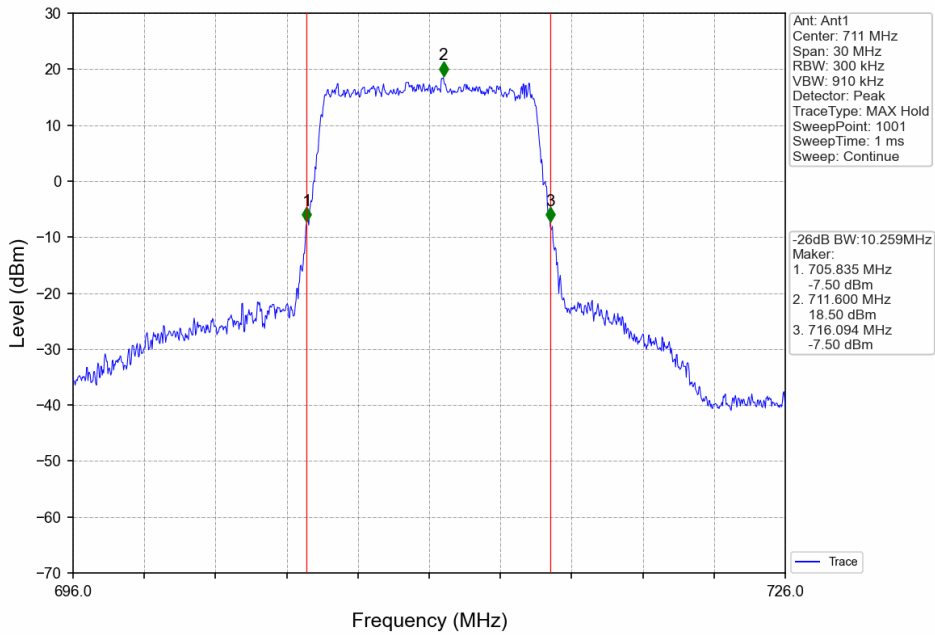




Band17\_10MHz\_16QAM\_MCH\_710MHz\_RB\_50\_0\_NTNV



Band17\_10MHz\_16QAM\_HCH\_711MHz\_RB\_50\_0\_NTNV





### 3. Peak-Average Ratio

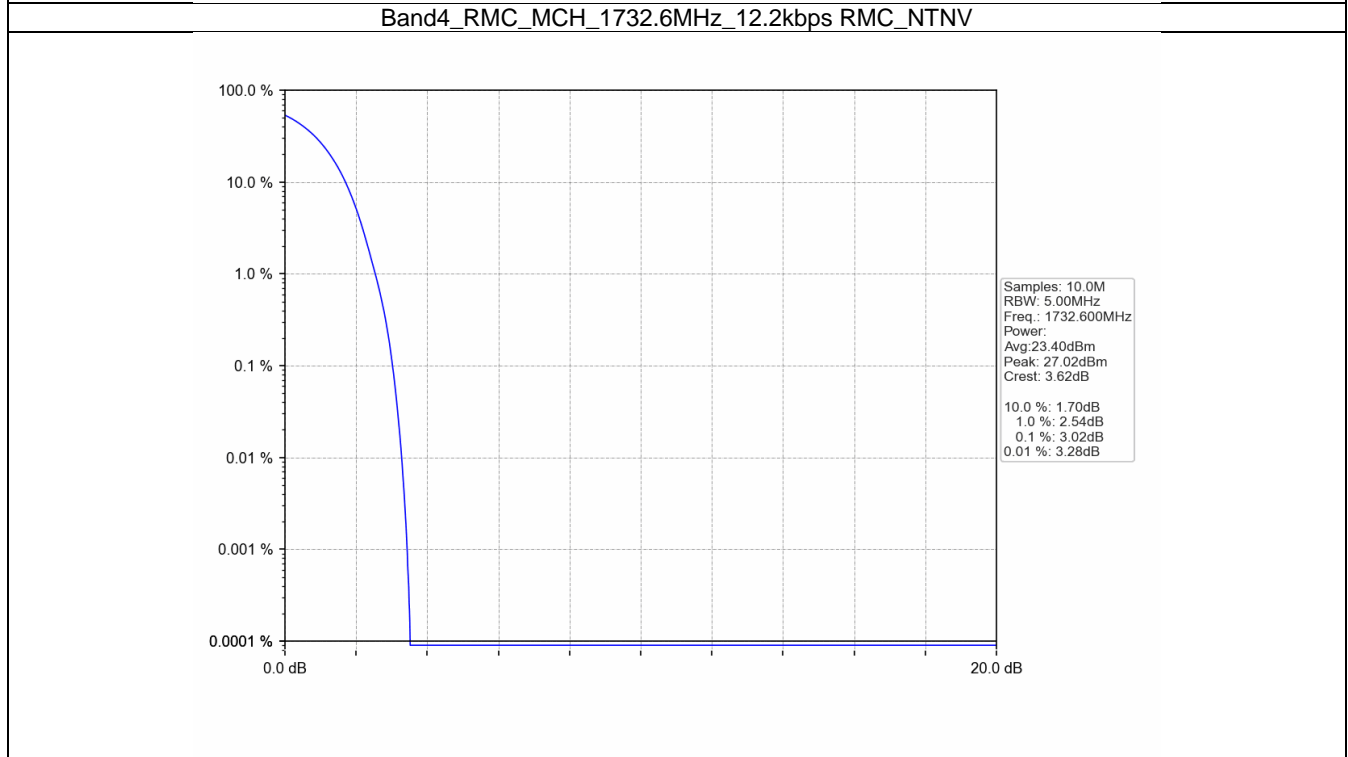
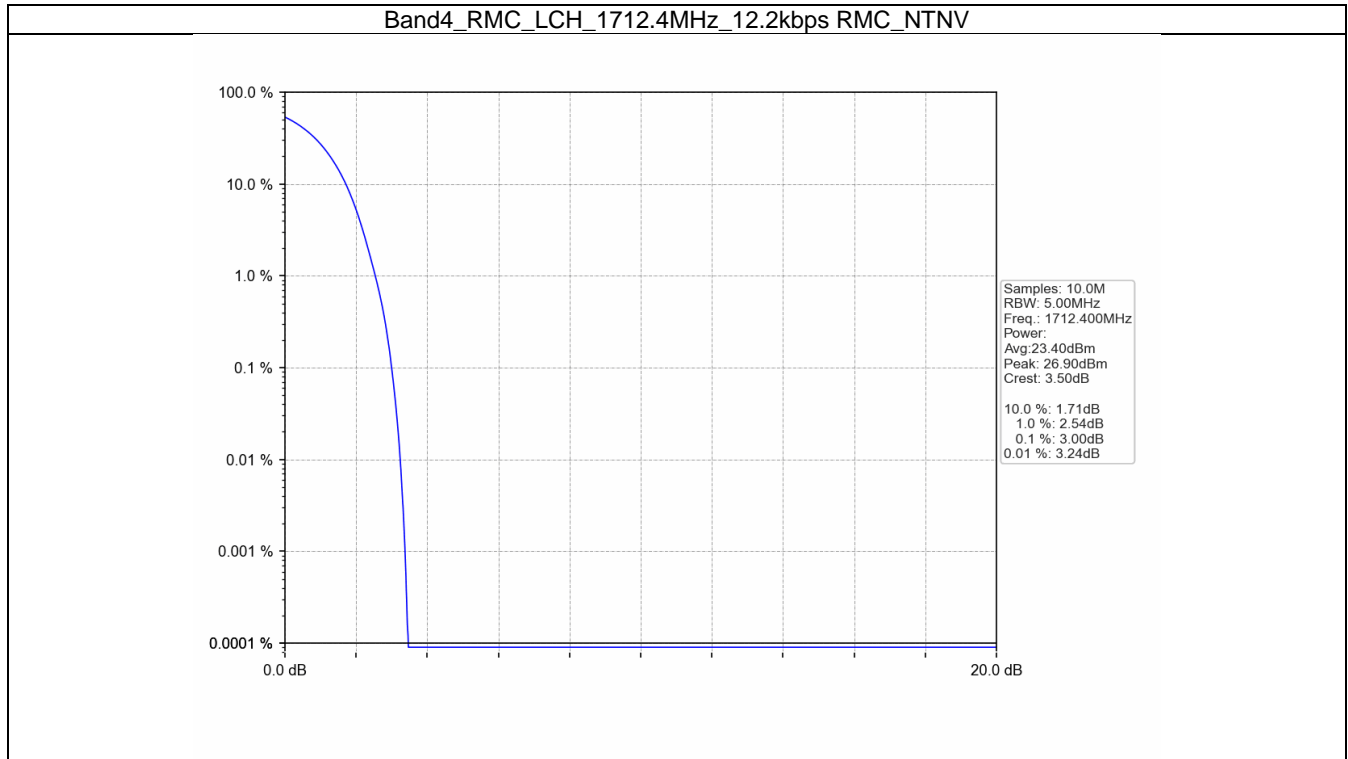
#### 3.1. WCDMA\_Band4

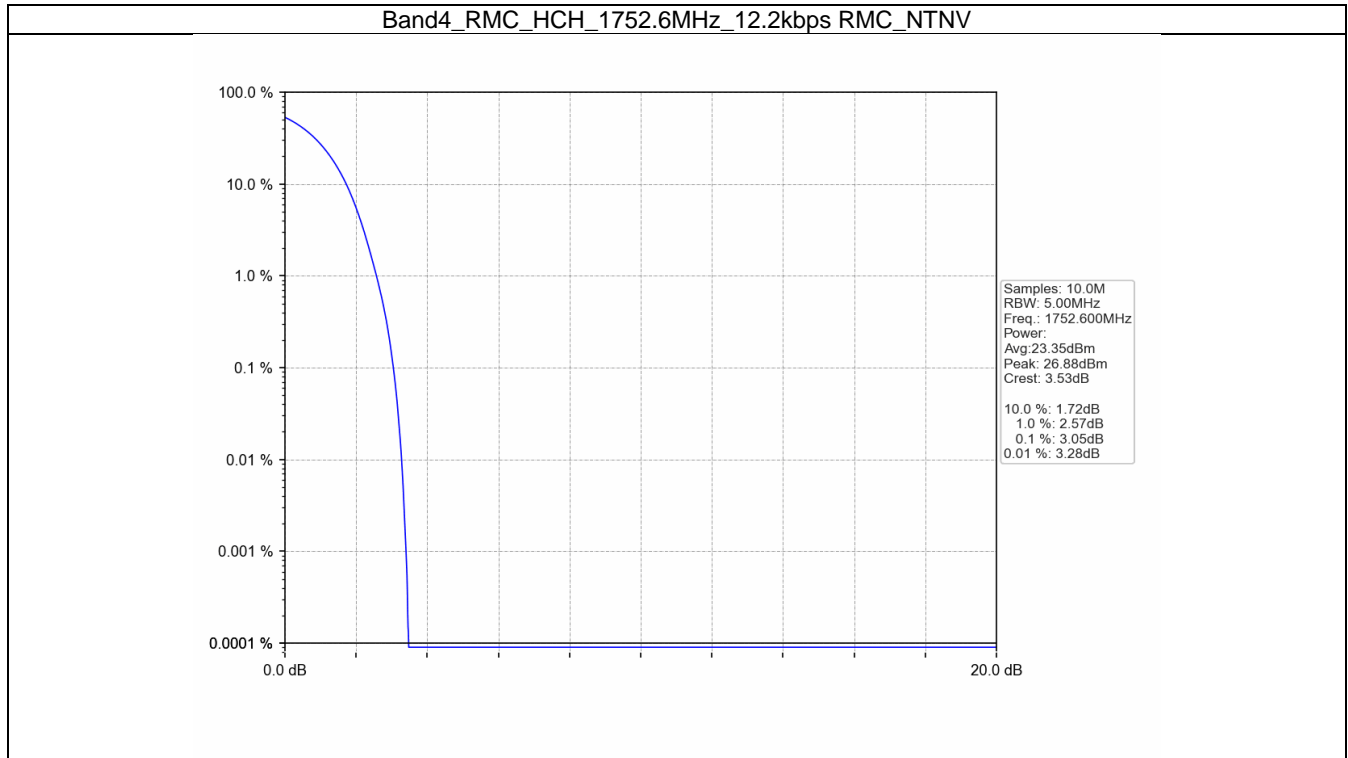
##### 3.1.1. Test Result

Band: 4						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	3.00	<=13	Pass
			1732.6	3.02	<=13	Pass
			1752.6	3.05	<=13	Pass



### 3.1.2. Test Graph







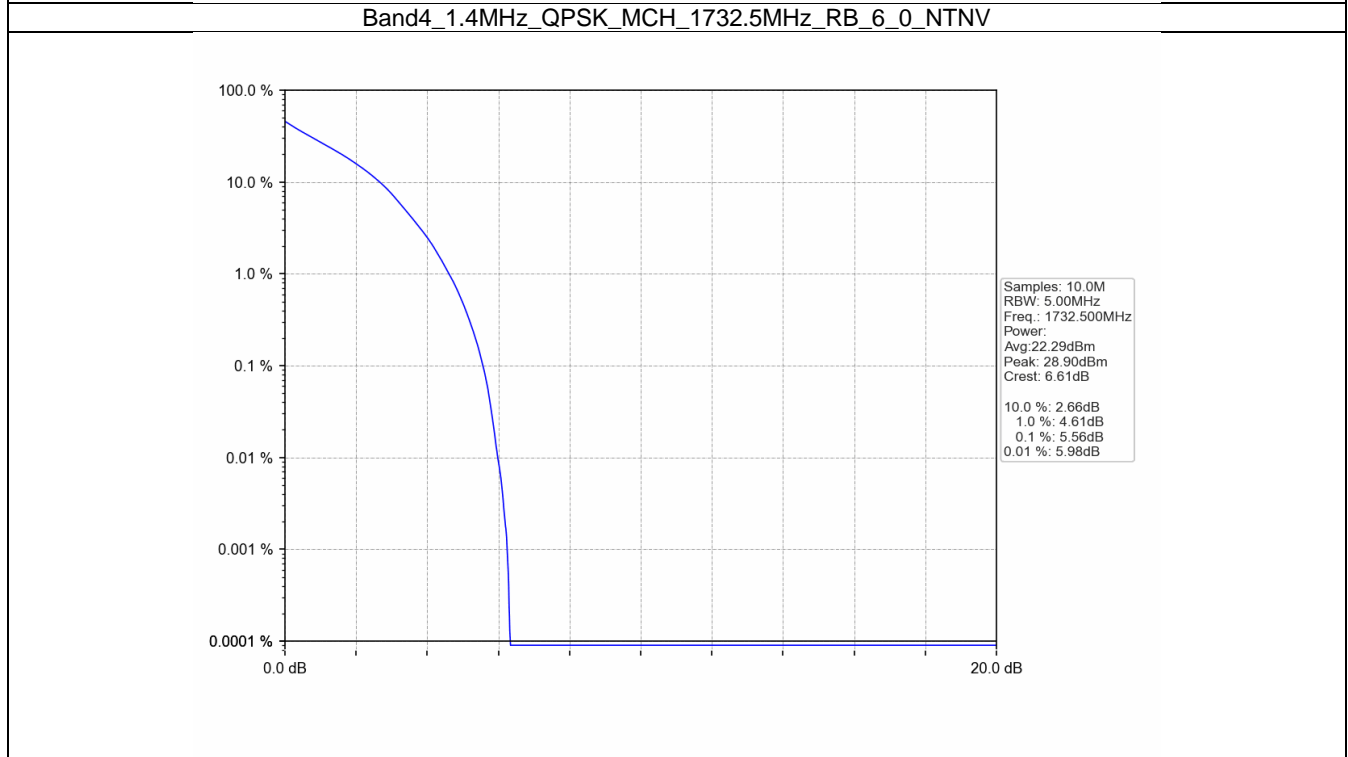
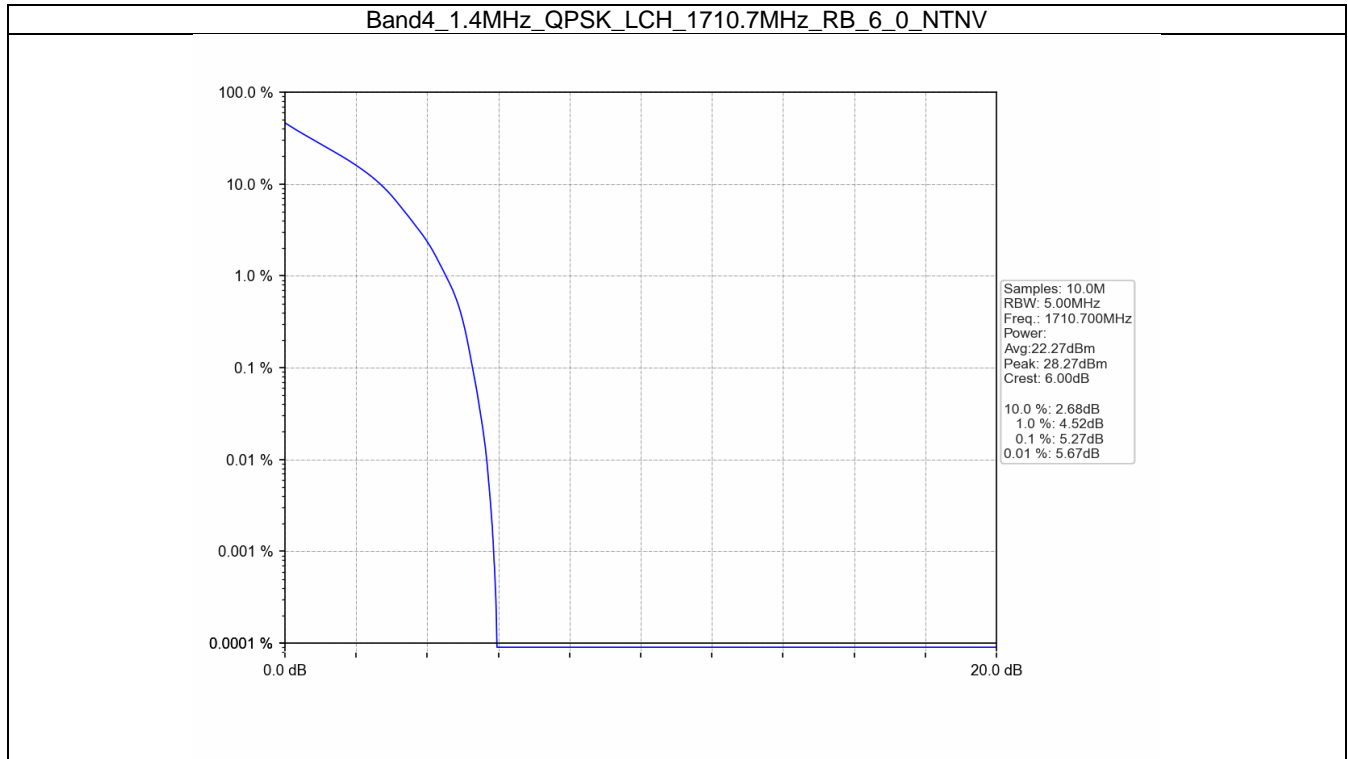
### 3.2. LTE\_B4\_1.4MHz

#### 3.2.1. Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.27	<=13	Pass
	1732.5	6	0	5.56	<=13	Pass
	1754.3	6	0	5.34	<=13	Pass
16QAM	1710.7	6	0	6.18	<=13	Pass
	1732.5	6	0	6.34	<=13	Pass
	1754.3	6	0	6.16	<=13	Pass

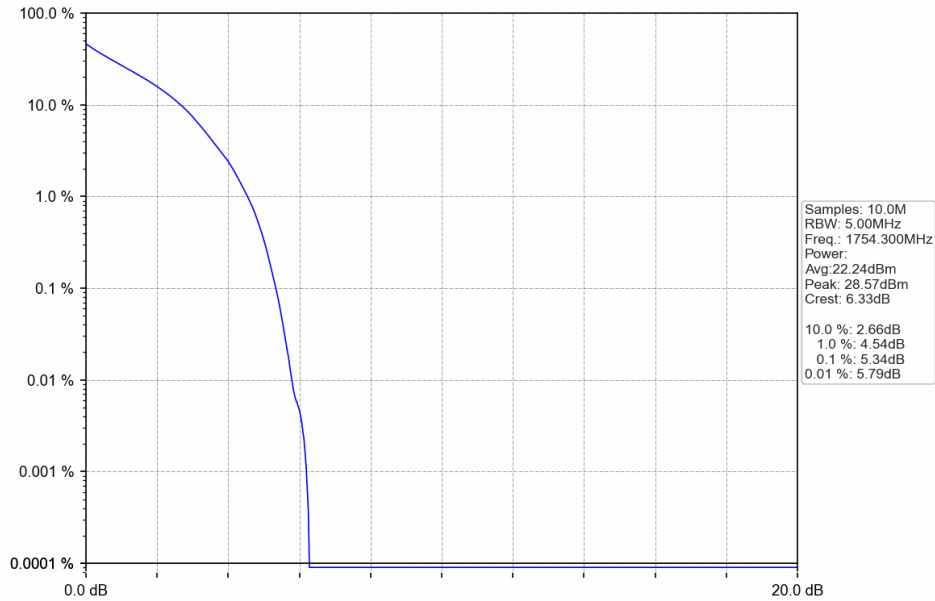


### 3.2.2. Test Graph

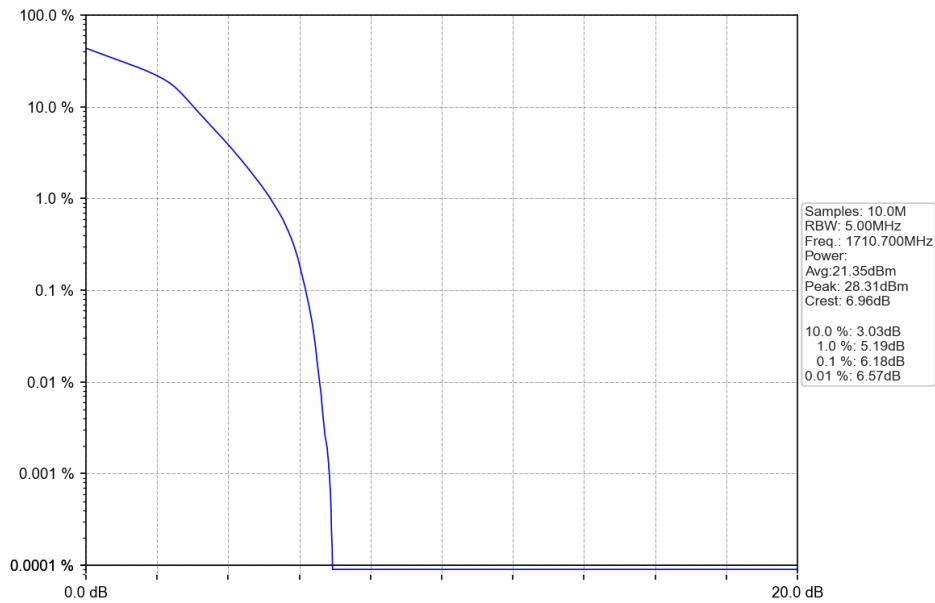




Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



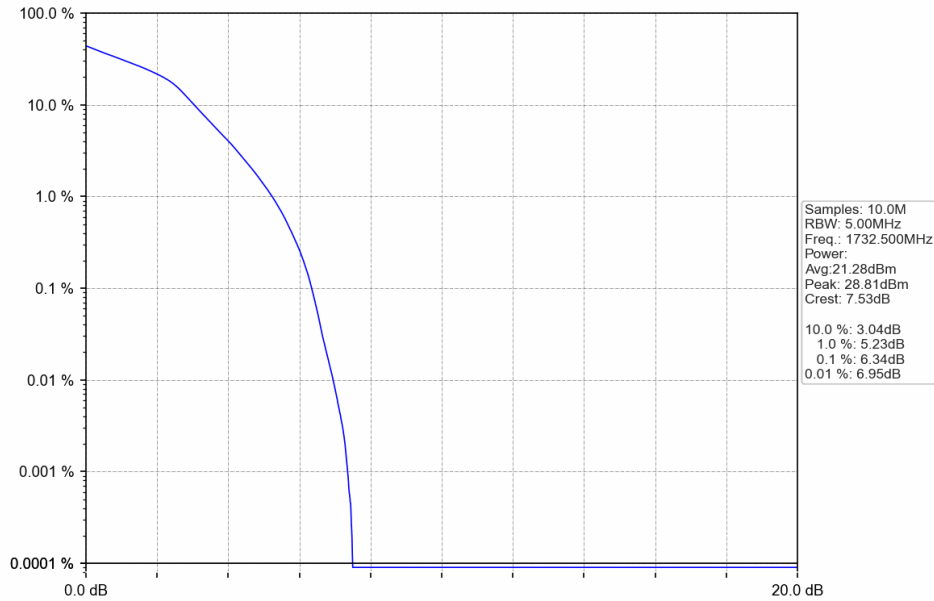
Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



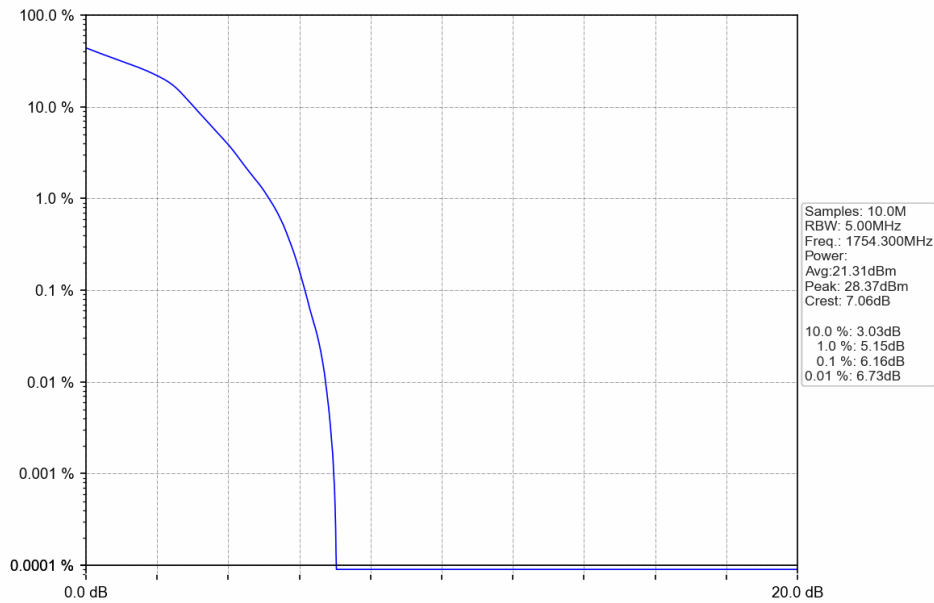




Band4\_1.4MHz\_16QAM\_MCH\_1732.5MHz\_RB\_6\_0\_NTNV



Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV





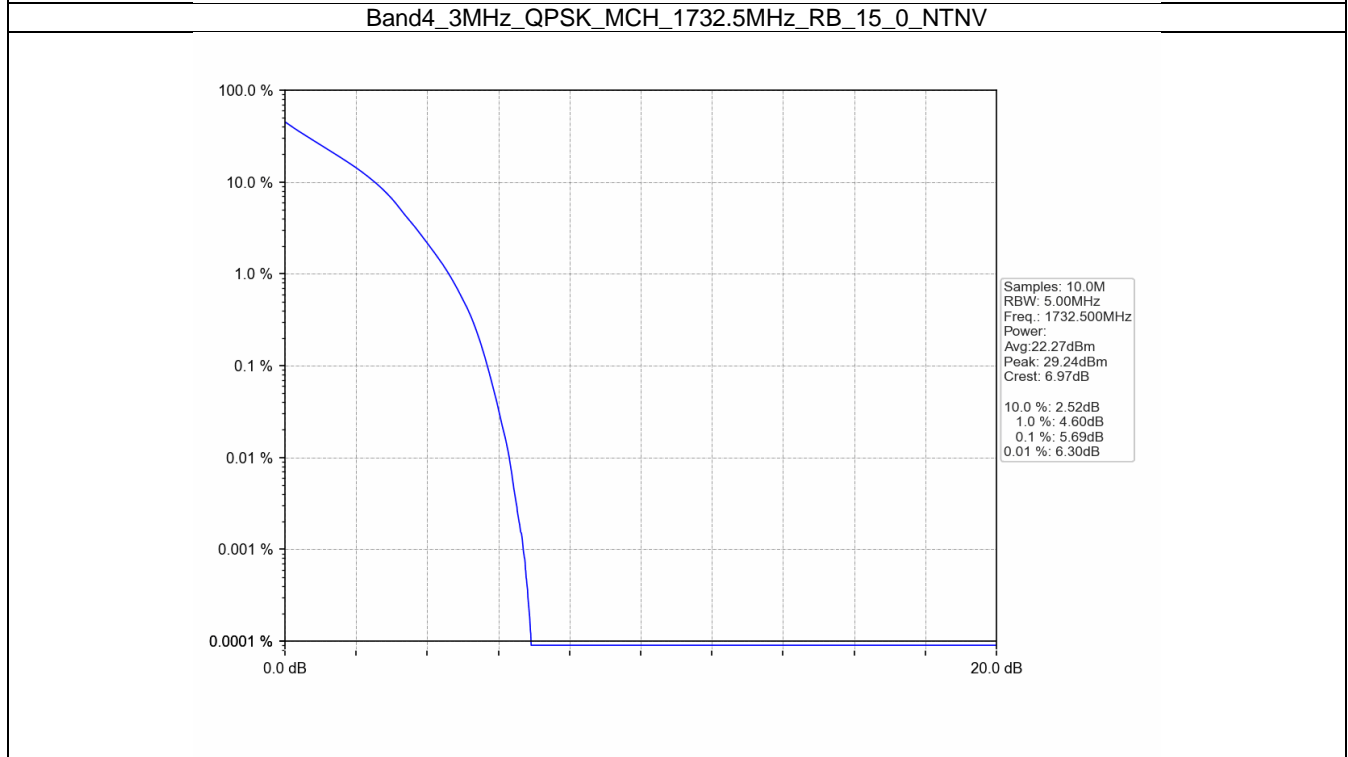
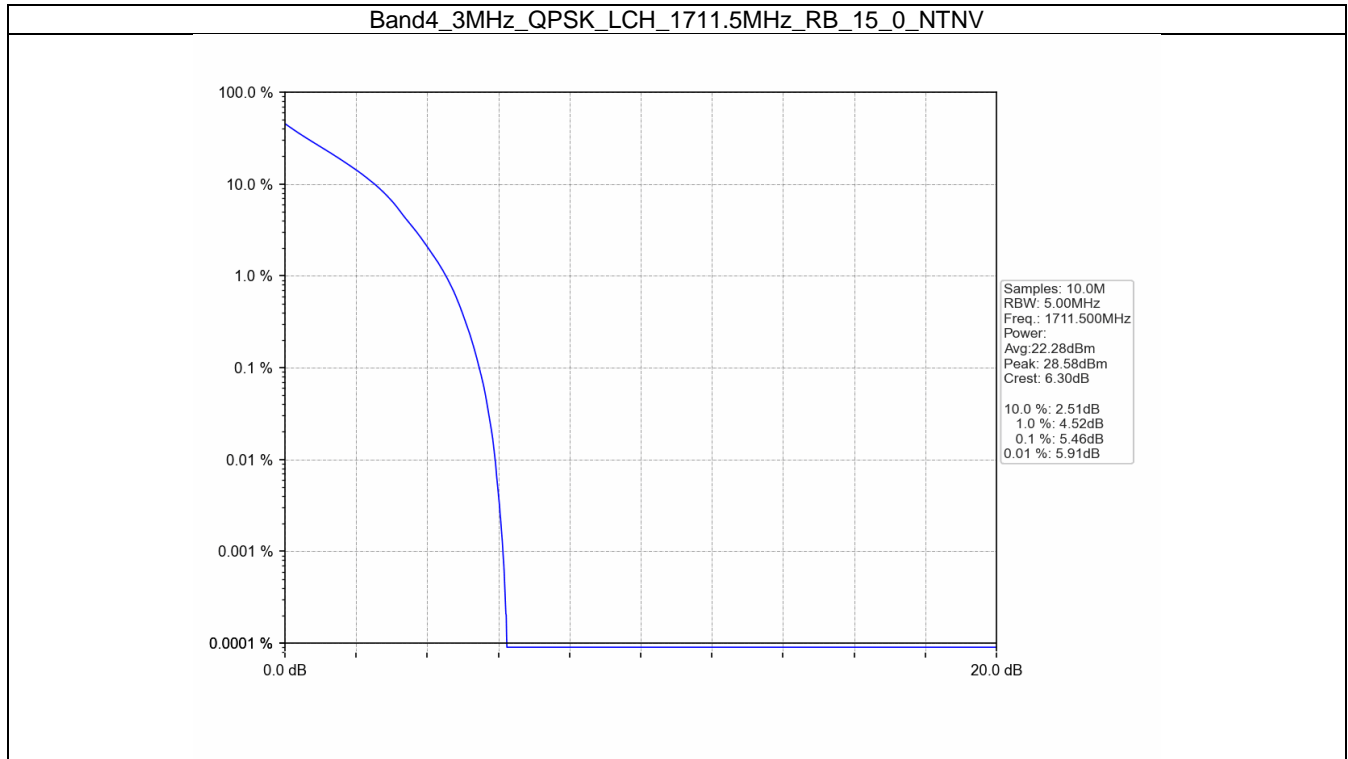
### 3.3. LTE\_B4\_3MHz

#### 3.3.1. 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	5.46	<=13	Pass
	1732.5	15	0	5.69	<=13	Pass
	1753.5	15	0	5.48	<=13	Pass
16QAM	1711.5	15	0	6.33	<=13	Pass
	1732.5	15	0	6.51	<=13	Pass
	1753.5	15	0	6.32	<=13	Pass

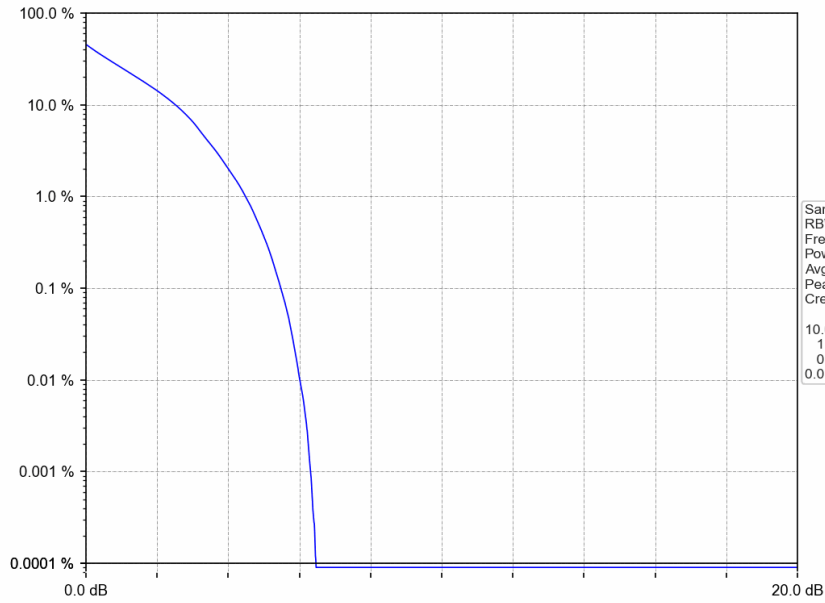


### 3.3.2. Test Graph

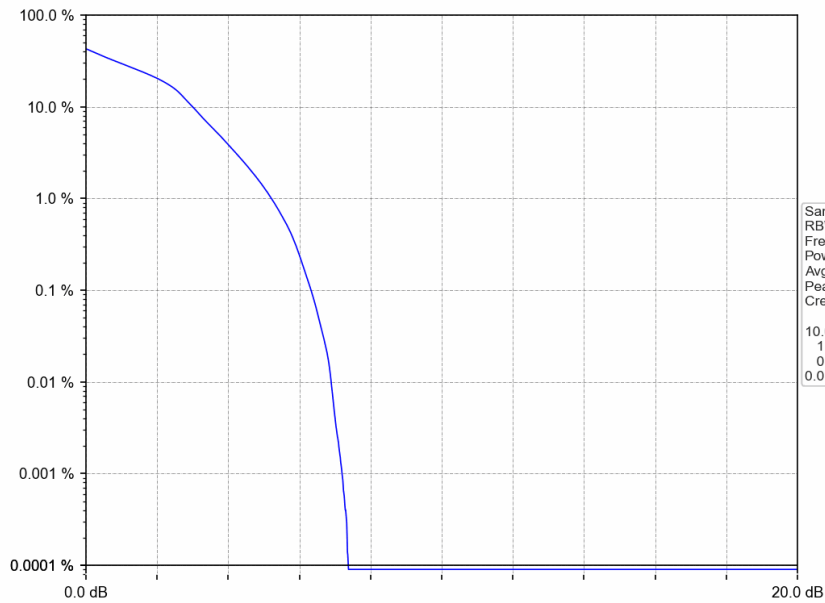




Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV

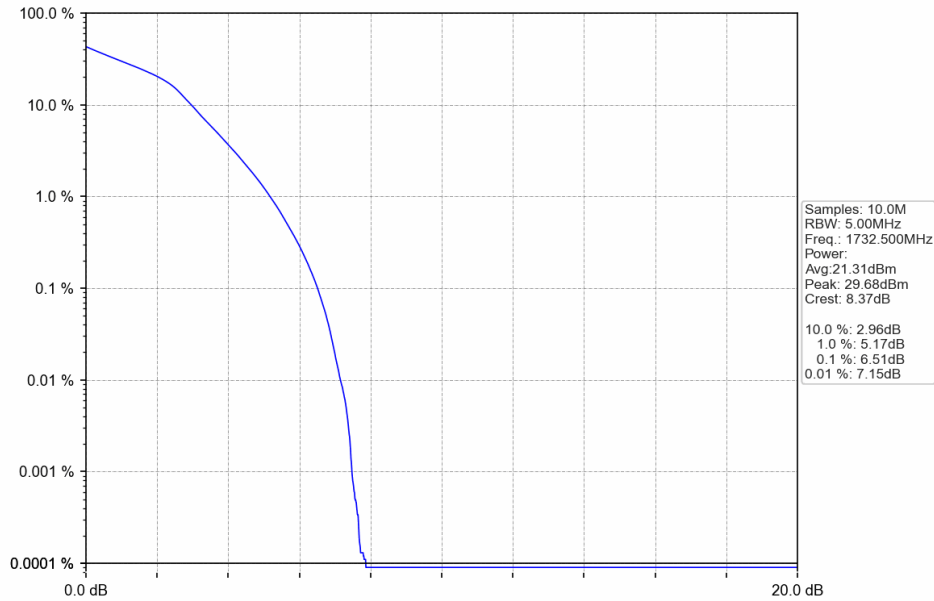


Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

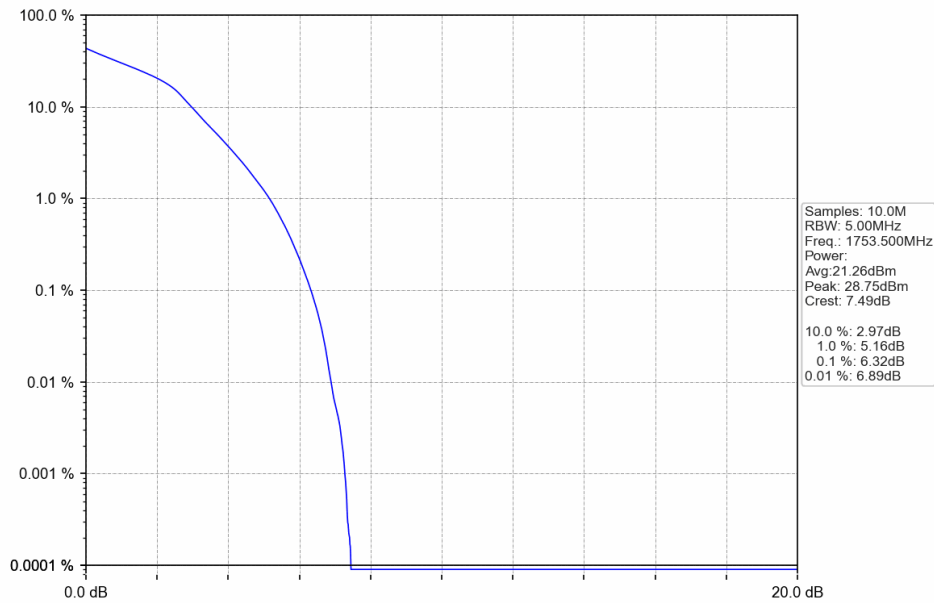




Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV





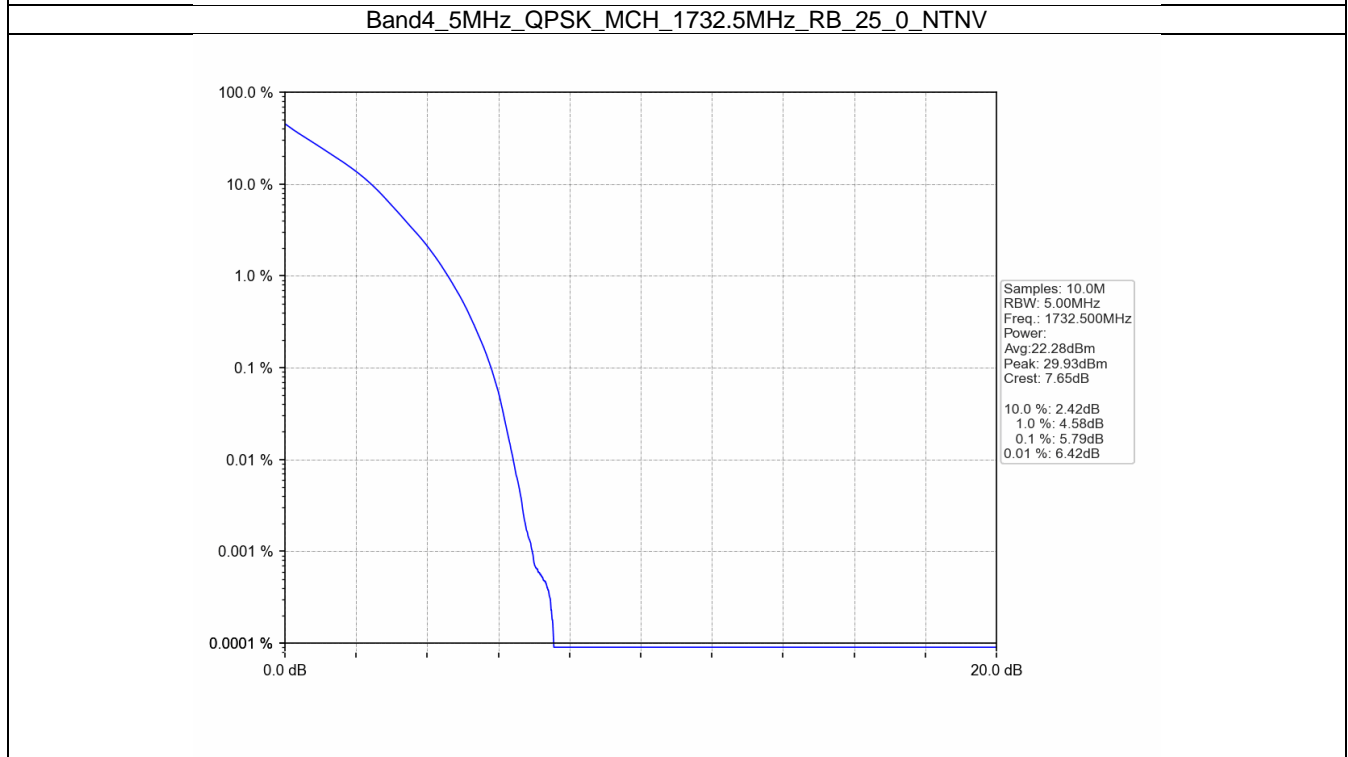
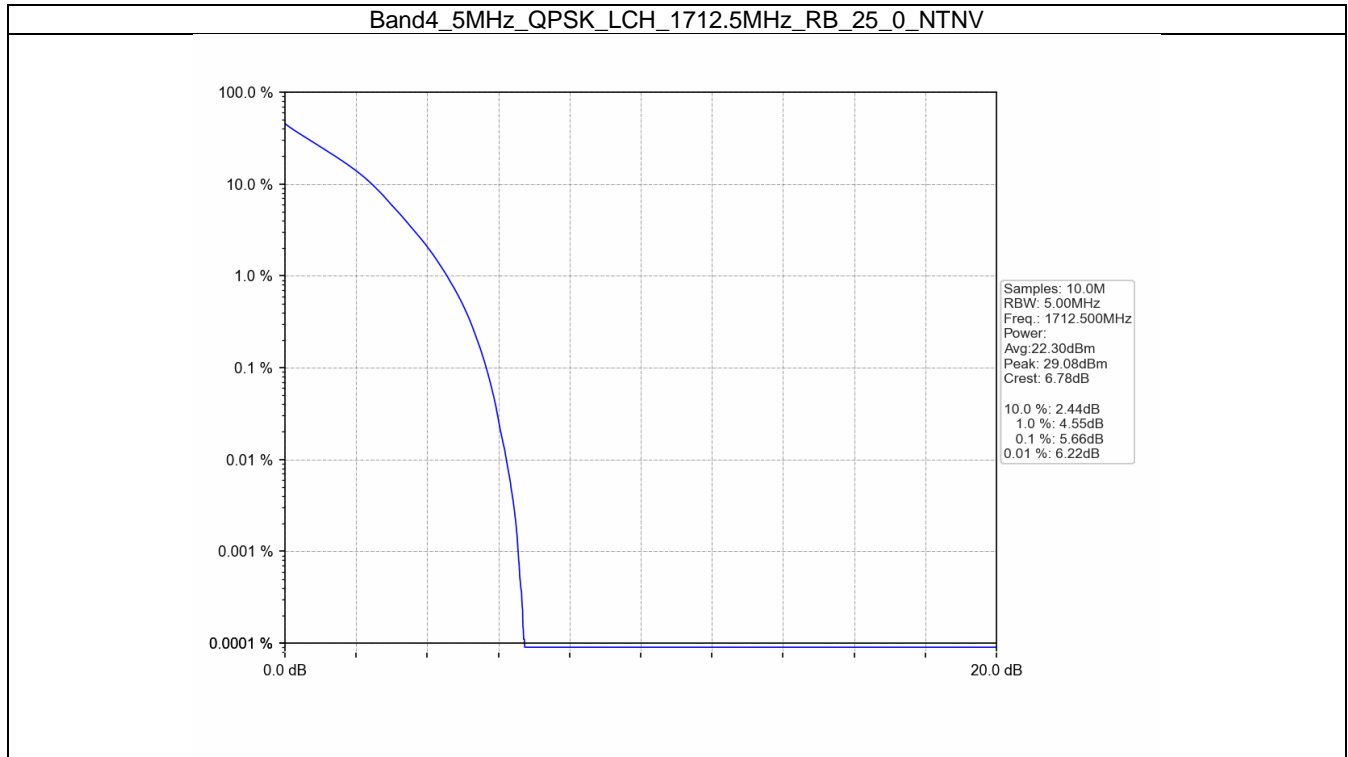
### 3.4. LTE\_B4\_5MHz

#### 3.4.1. 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	5.66	<=13	Pass
	1732.5	25	0	5.79	<=13	Pass
	1752.5	25	0	5.59	<=13	Pass
16QAM	1712.5	25	0	6.39	<=13	Pass
	1732.5	25	0	6.52	<=13	Pass
	1752.5	25	0	6.35	<=13	Pass

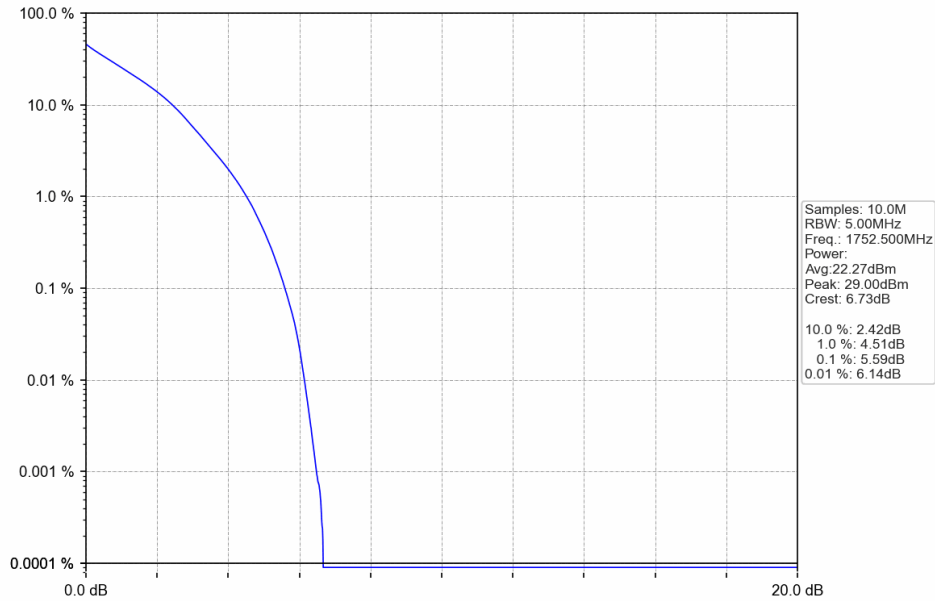


### 3.4.2. Test Graph

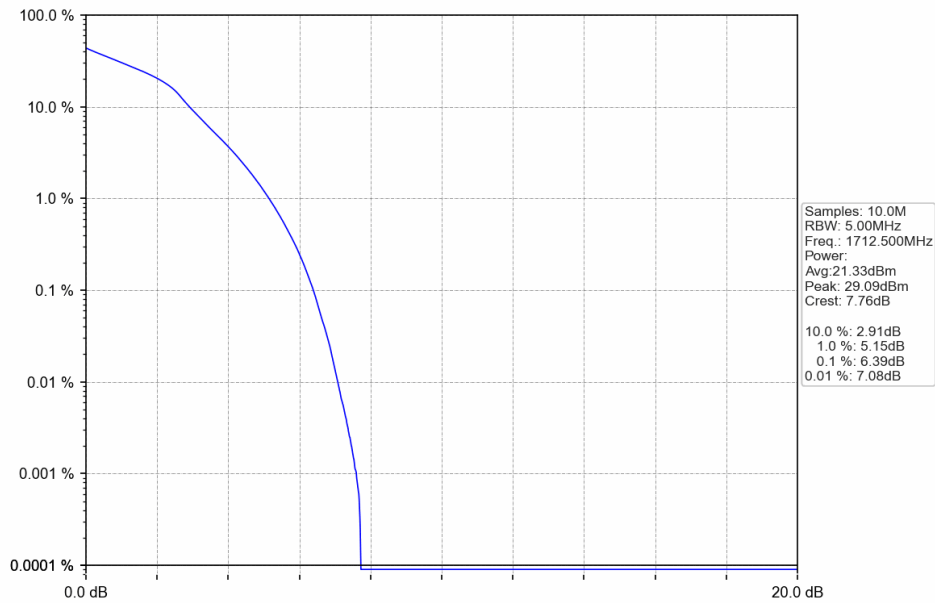




Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



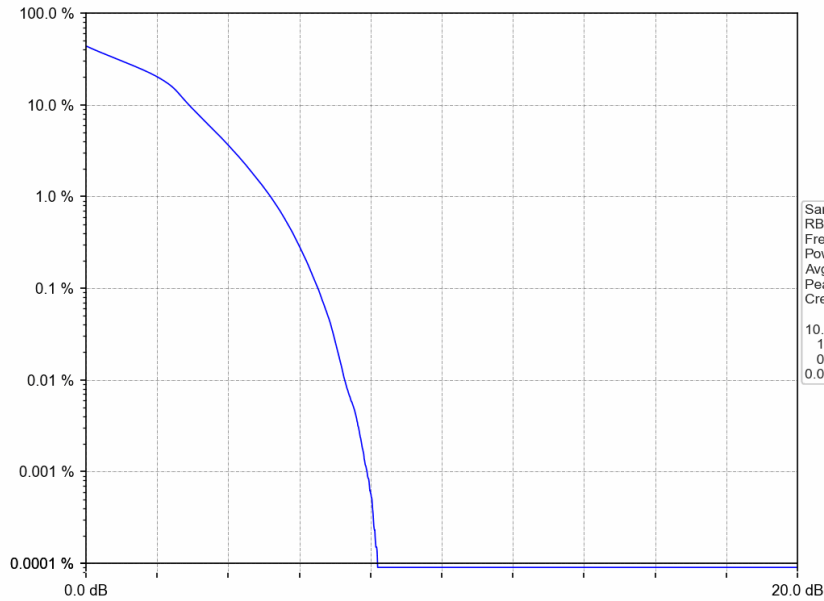
Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV





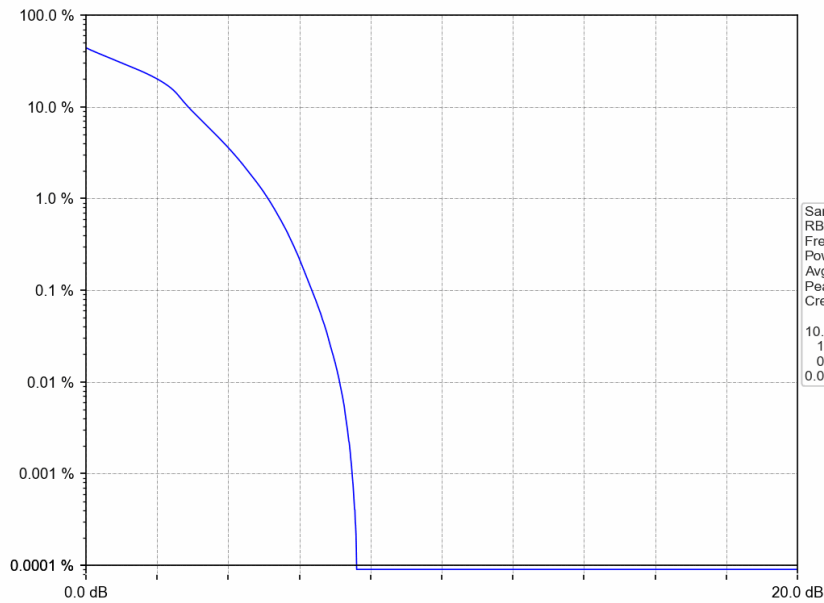


Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



Samples: 10.0M  
 RBW: 5.00MHz  
 Freq.: 1732.500MHz  
 Power:  
 Avg:21.30dBm  
 Peak: 29.62dBm  
 Crest: 8.32dB  
 10.0 %: 2.89dB  
 1.0 %: 5.19dB  
 0.1 %: 6.52dB  
 0.01 %: 7.27dB

Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



Samples: 10.0M  
 RBW: 5.00MHz  
 Freq.: 1752.500MHz  
 Power:  
 Avg:21.32dBm  
 Peak: 29.01dBm  
 Crest: 7.69dB  
 10.0 %: 2.87dB  
 1.0 %: 5.12dB  
 0.1 %: 6.35dB  
 0.01 %: 7.13dB



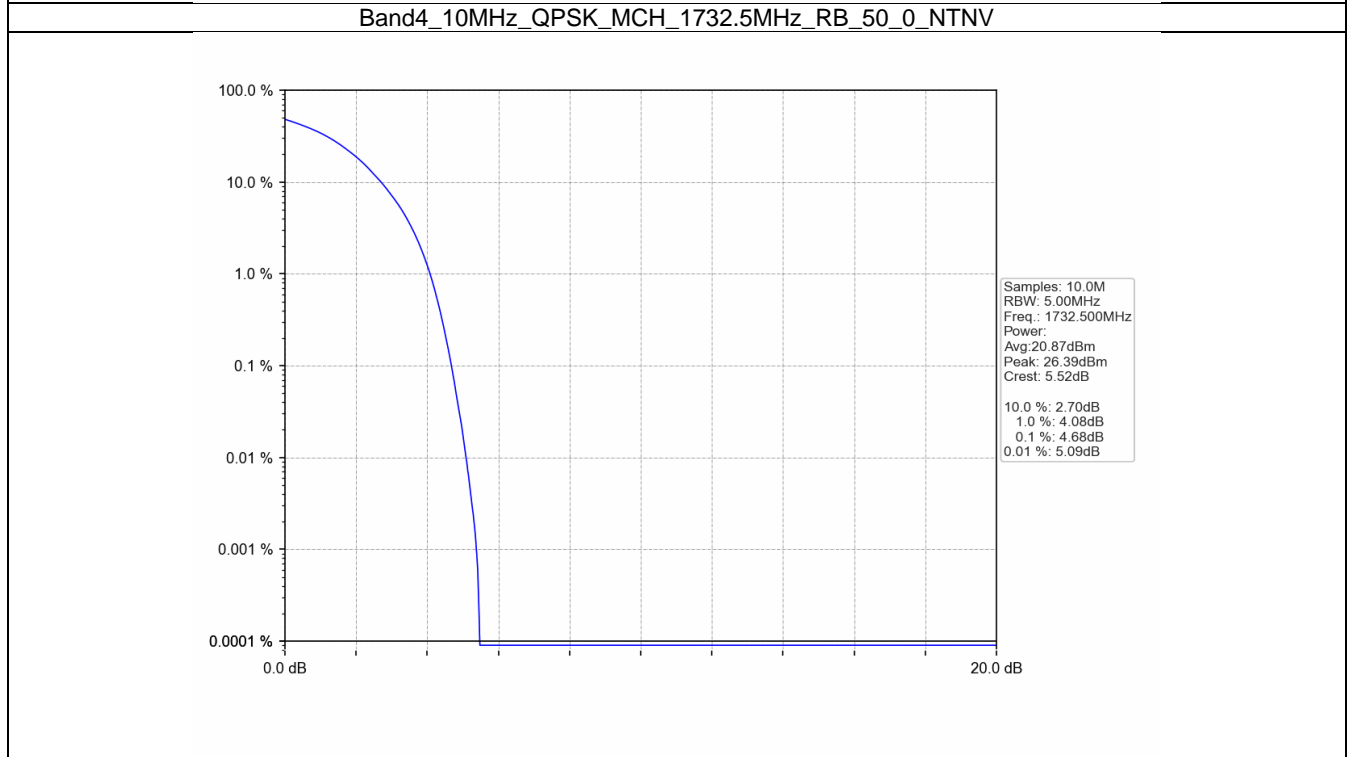
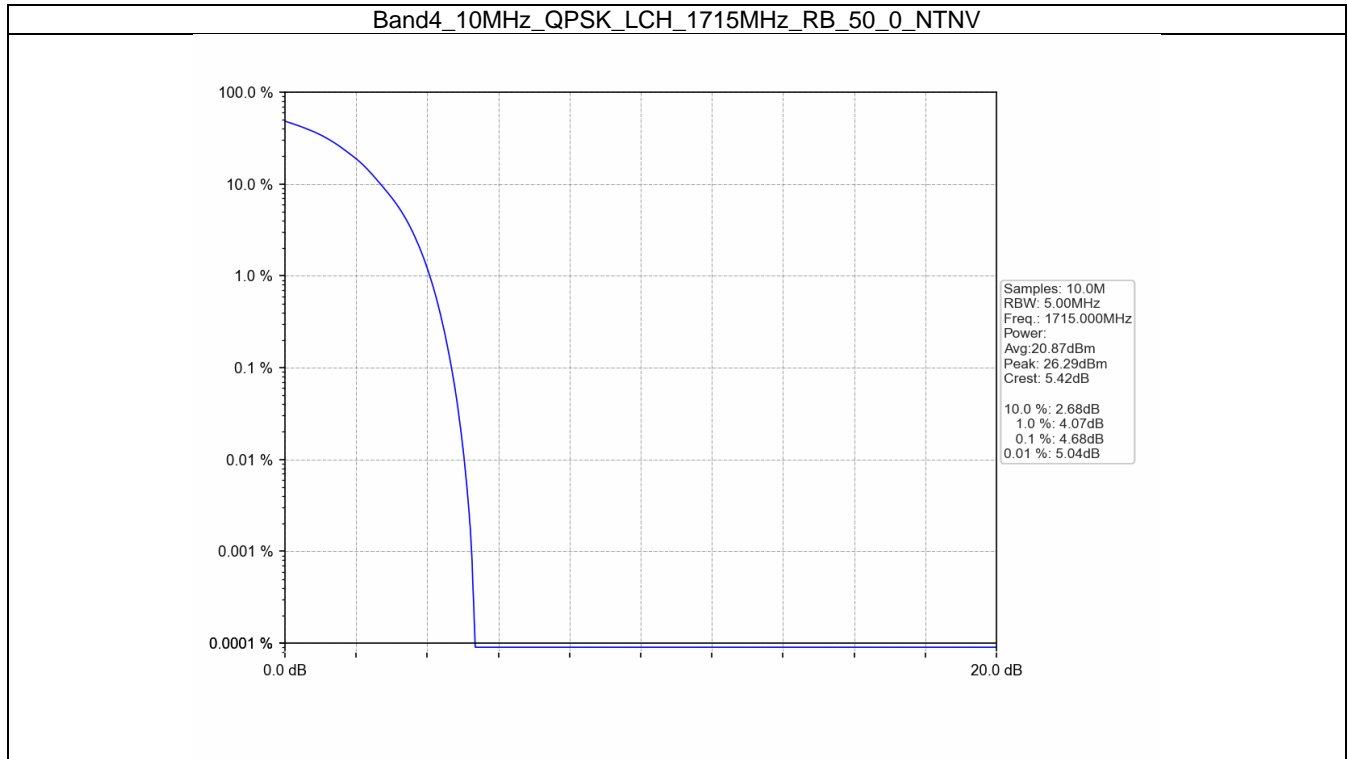
### 3.5. LTE\_B4\_10MHz

#### 3.5.1. Test Result

Band: 4 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	4.68	<=13	Pass
	1732.5	50	0	4.68	<=13	Pass
	1750	50	0	4.64	<=13	Pass
16QAM	1715	50	0	6.20	<=13	Pass
	1732.5	50	0	6.16	<=13	Pass
	1750	50	0	6.17	<=13	Pass

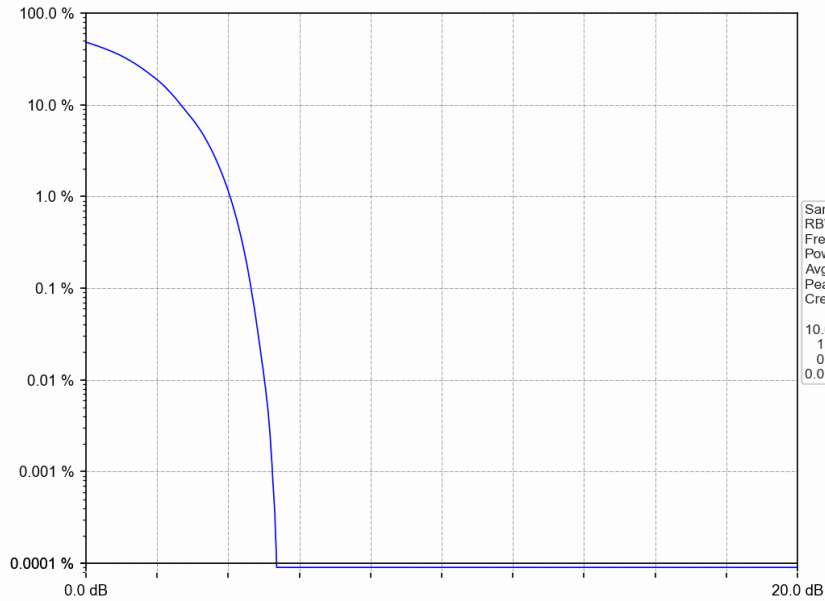


### 3.5.2. Test Graph

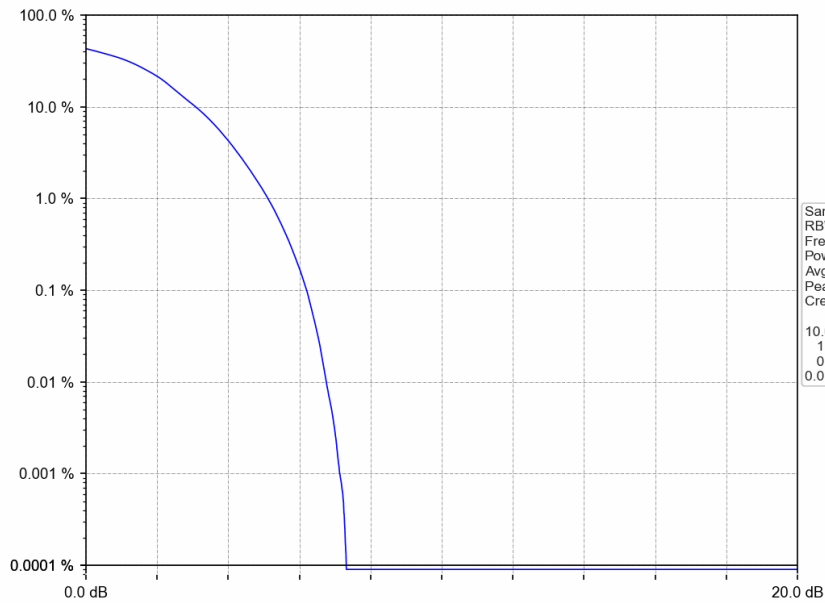




Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_50\_0\_NTNV

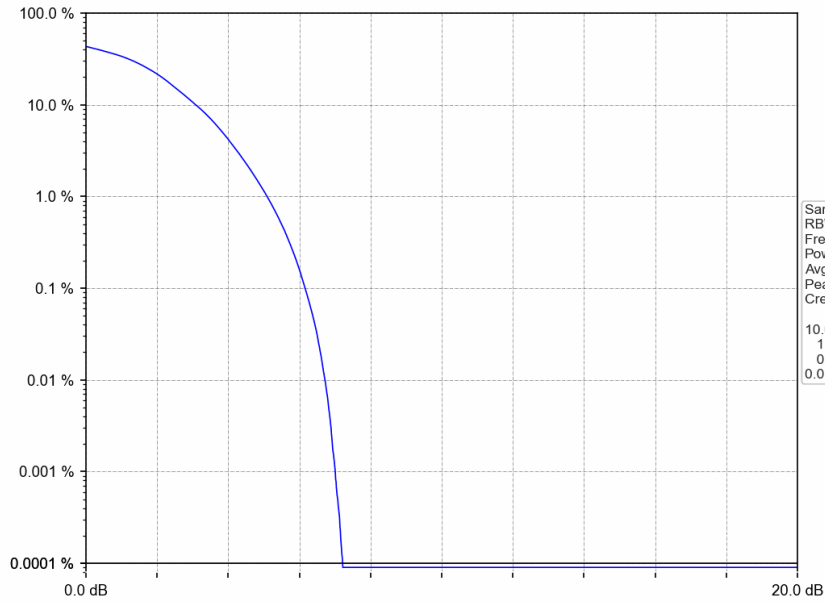


Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV

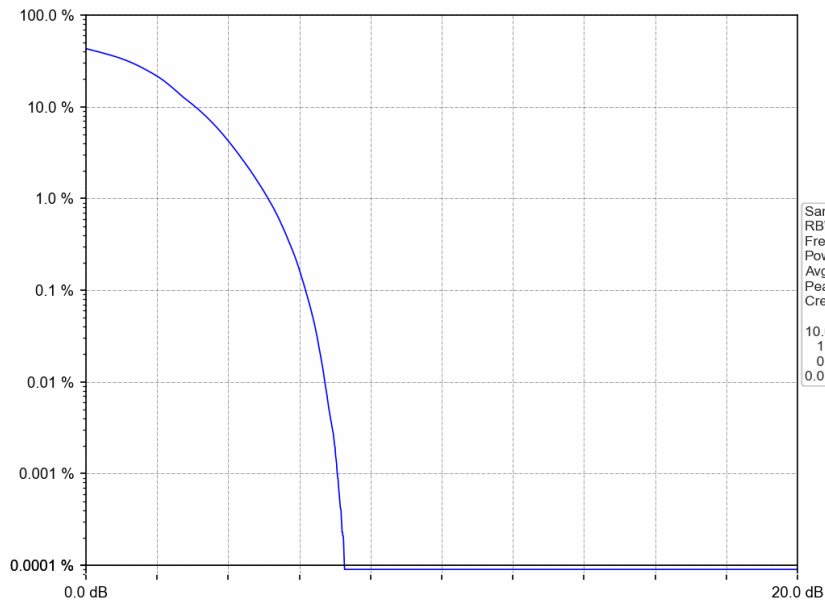




Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_50\_0\_NTNV





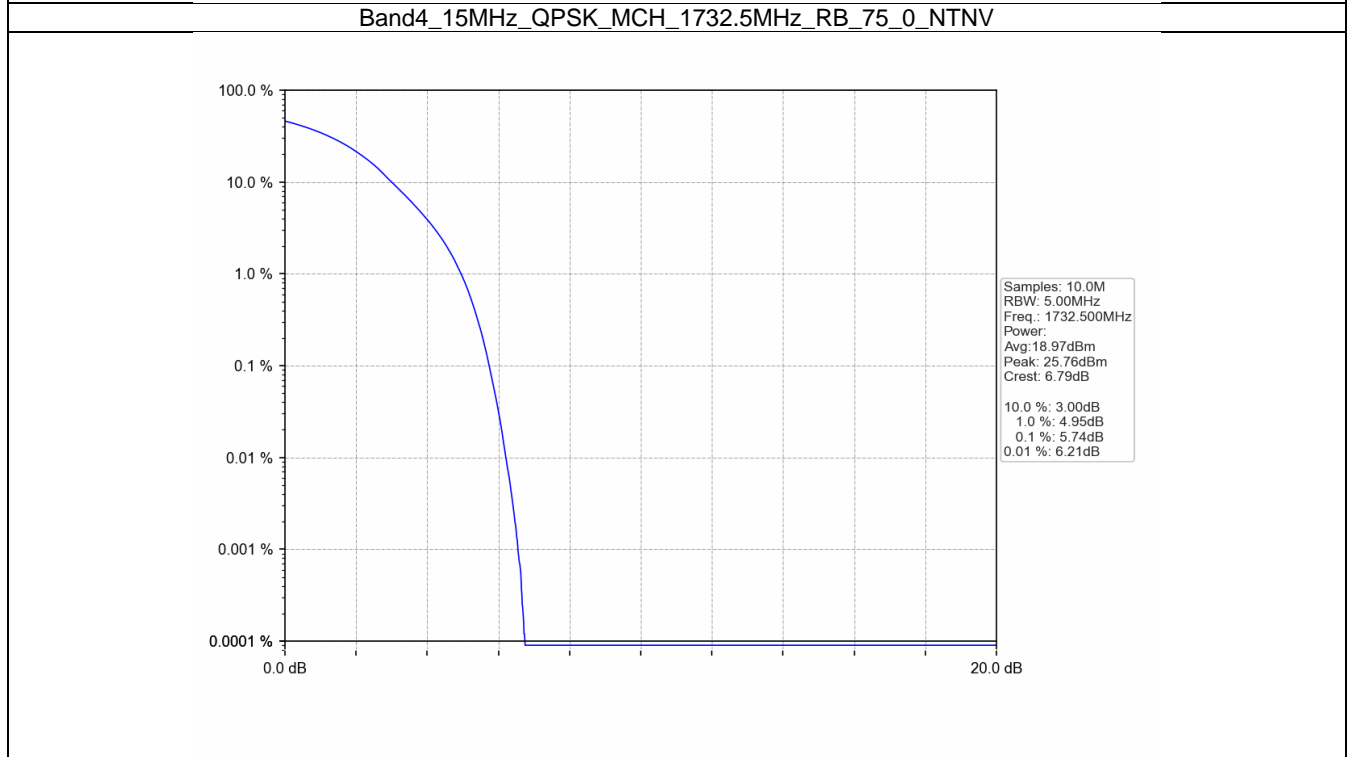
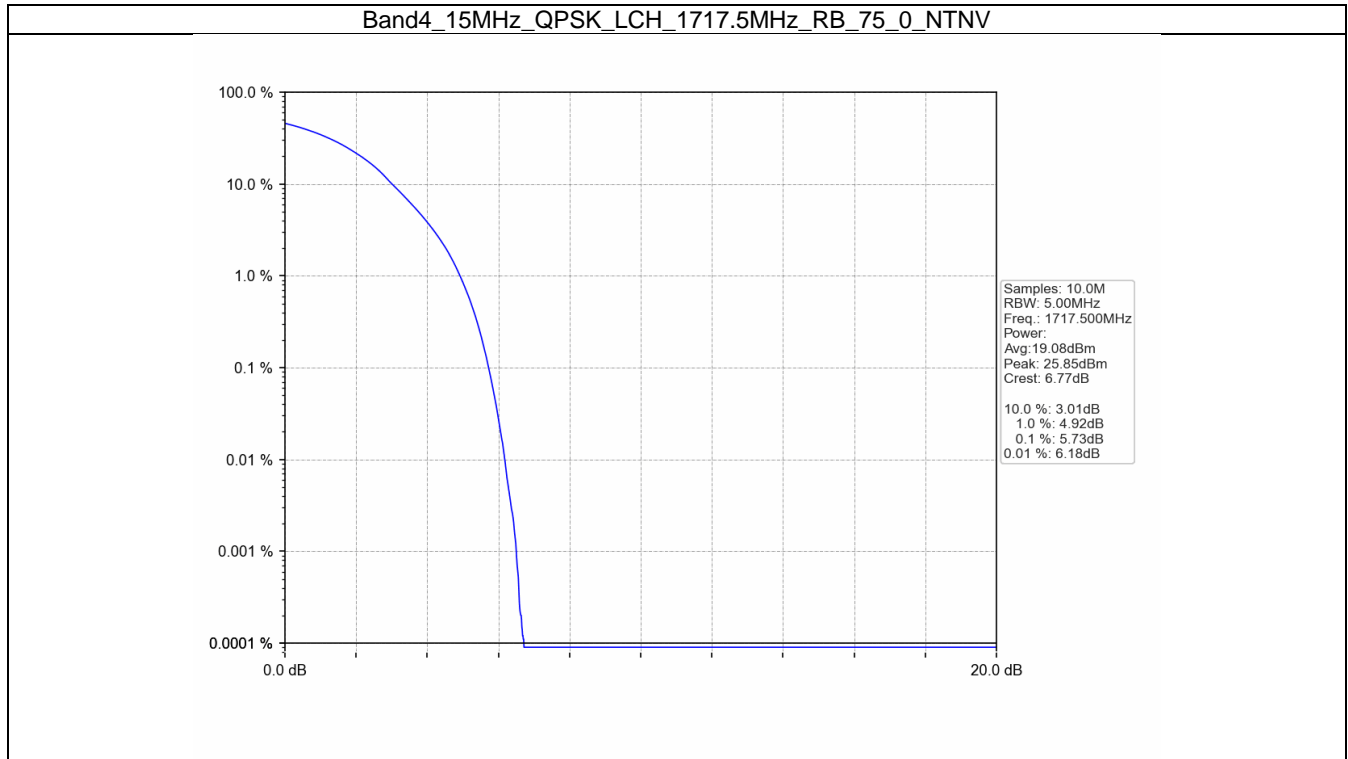
### 3.6. LTE\_B4\_15MHz

#### 3.6.1. Test Result

Band: 4 / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.73	<=13	Pass
	1732.5	75	0	5.74	<=13	Pass
	1747.5	75	0	5.75	<=13	Pass
16QAM	1717.5	75	0	6.76	<=13	Pass
	1732.5	75	0	6.83	<=13	Pass
	1747.5	75	0	6.86	<=13	Pass

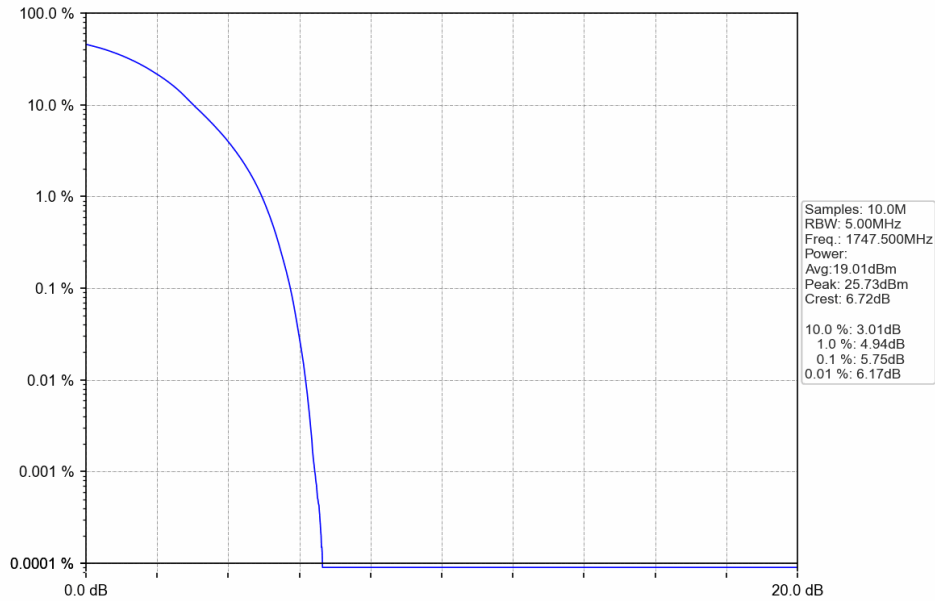


### 3.6.2. Test Graph

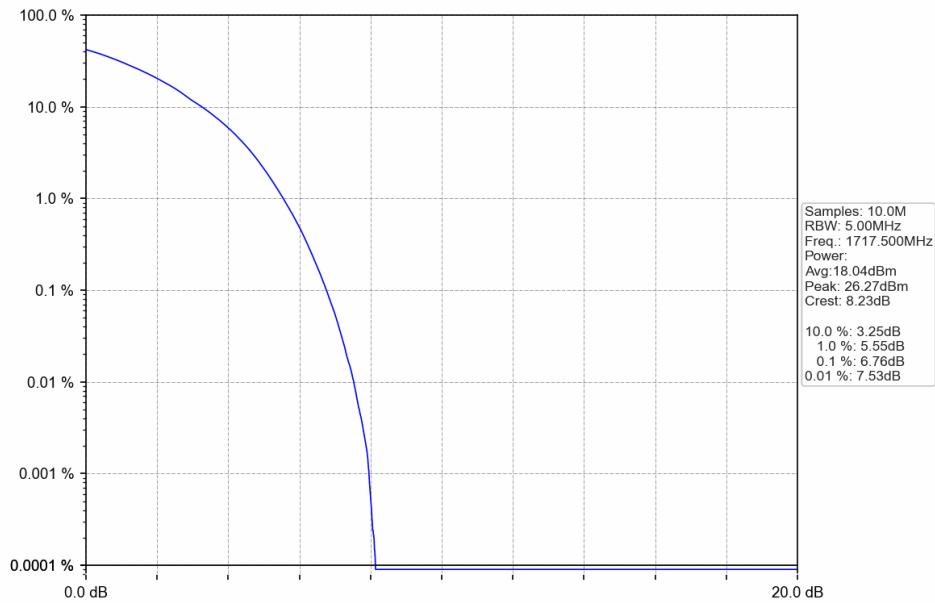




Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



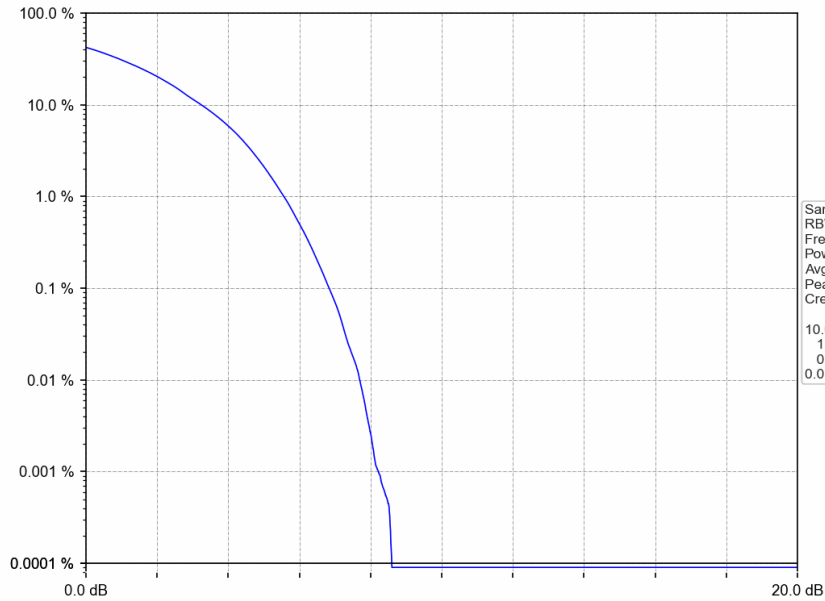
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



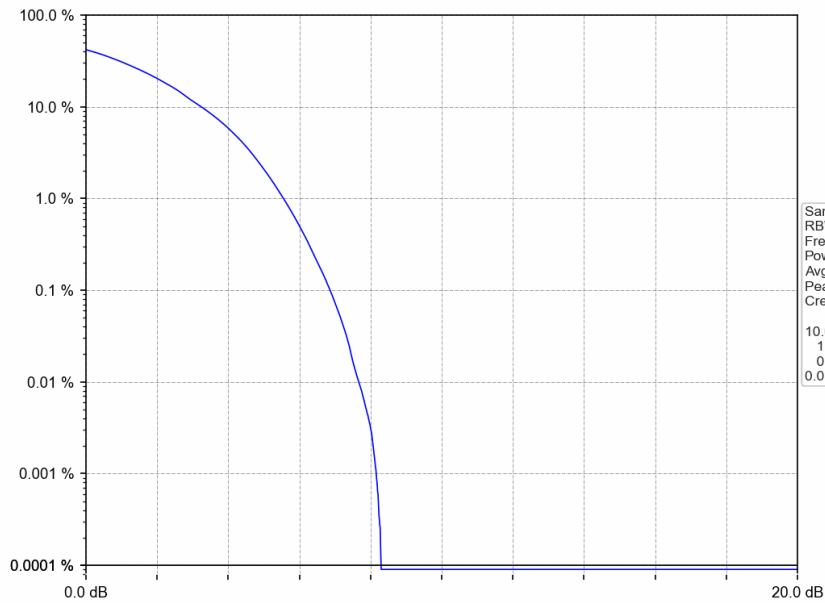




Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV





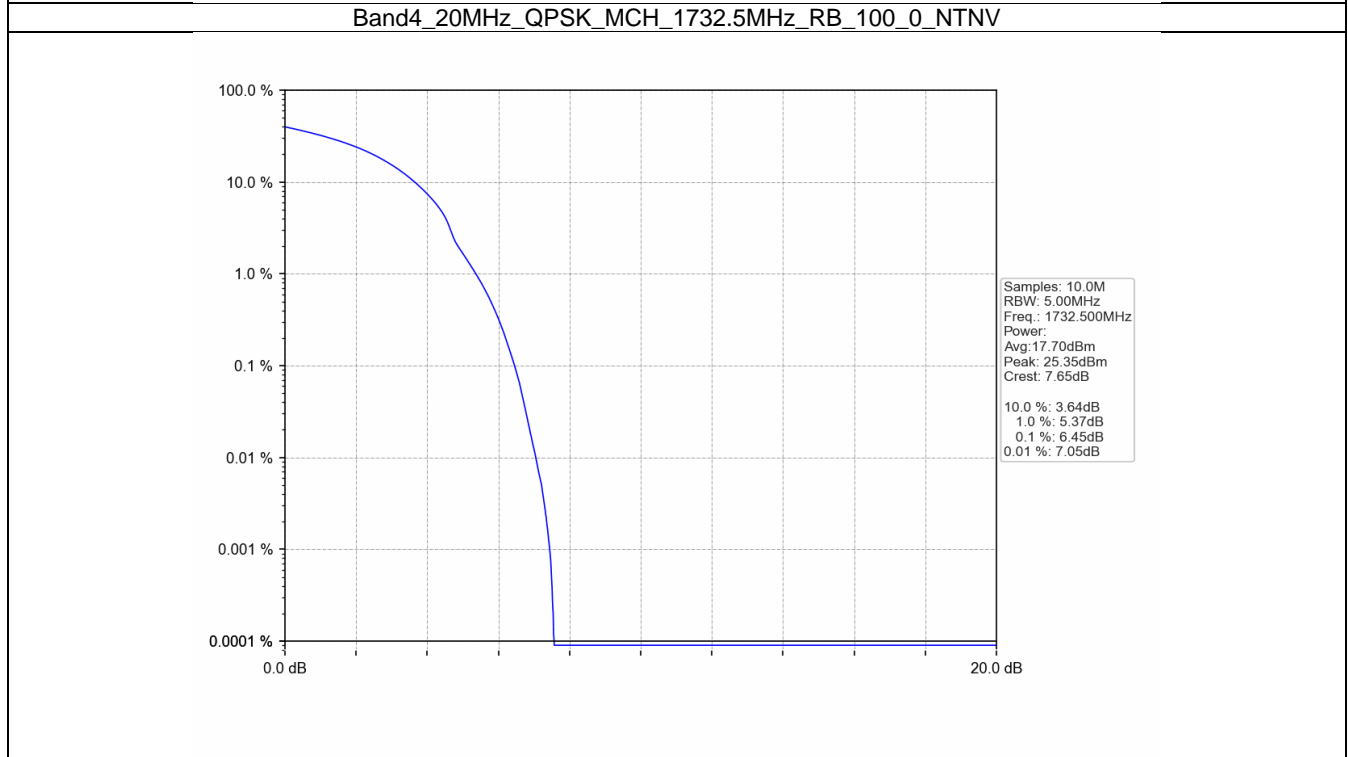
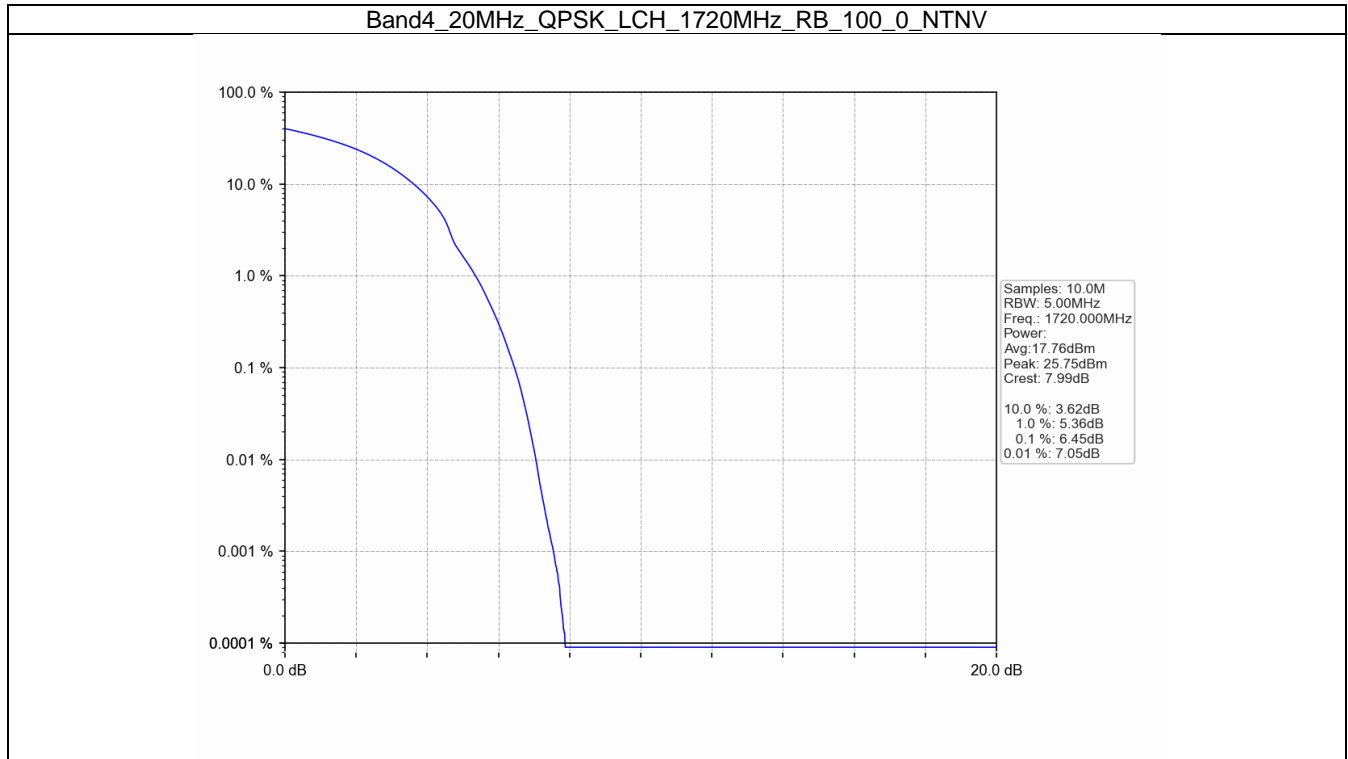
### 3.7. LTE\_B4\_20MHz

#### 3.7.1. Test Result

Band: 4 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	6.45	<=13	Pass
	1732.5	100	0	6.45	<=13	Pass
	1745	100	0	6.43	<=13	Pass
16QAM	1720	100	0	7.20	<=13	Pass
	1732.5	100	0	7.22	<=13	Pass
	1745	100	0	7.13	<=13	Pass

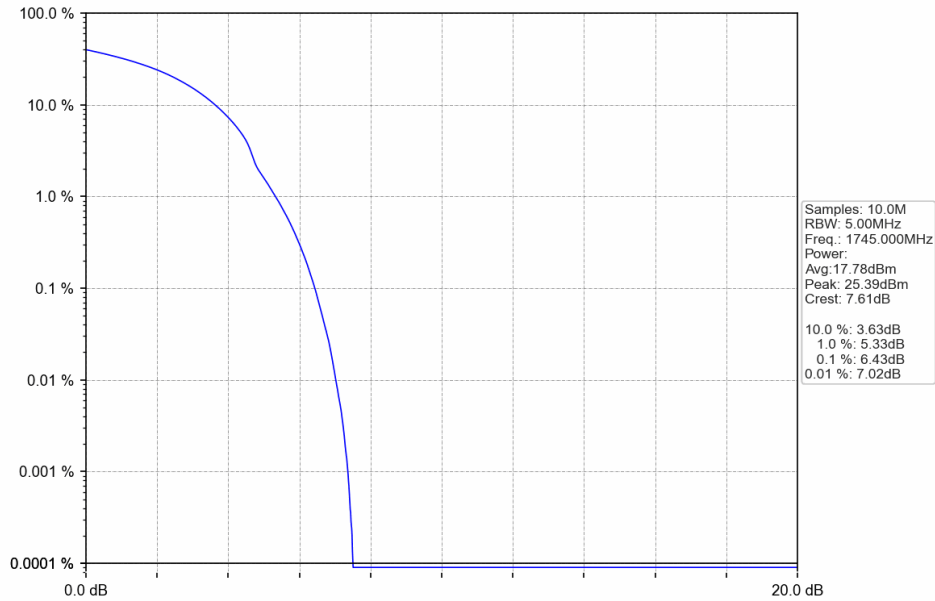


### 3.7.2. Test Graph

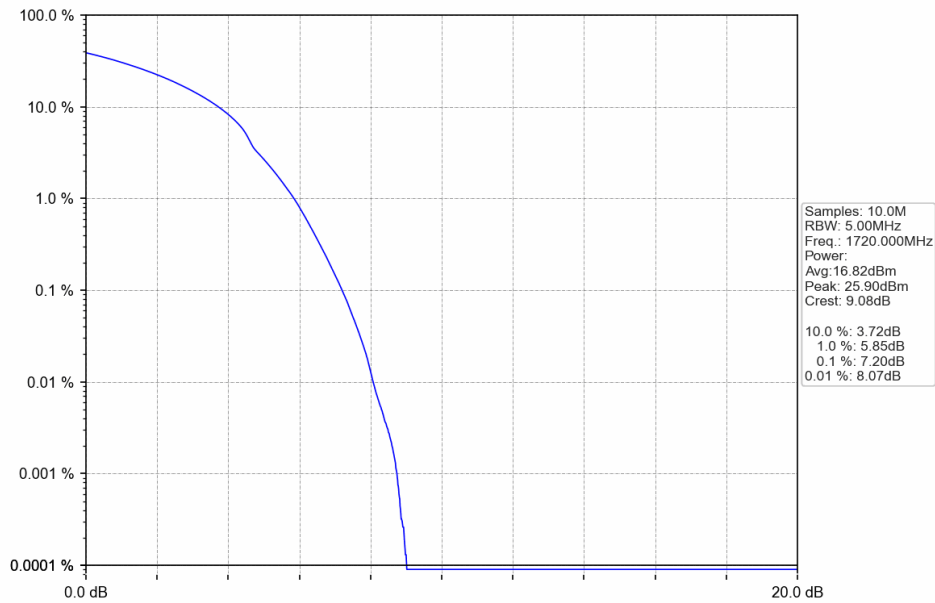




Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV

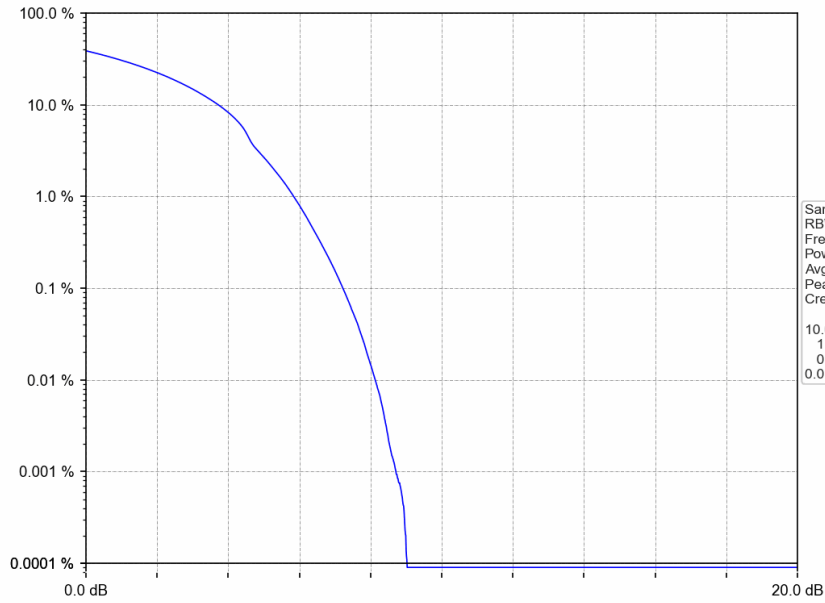


Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV

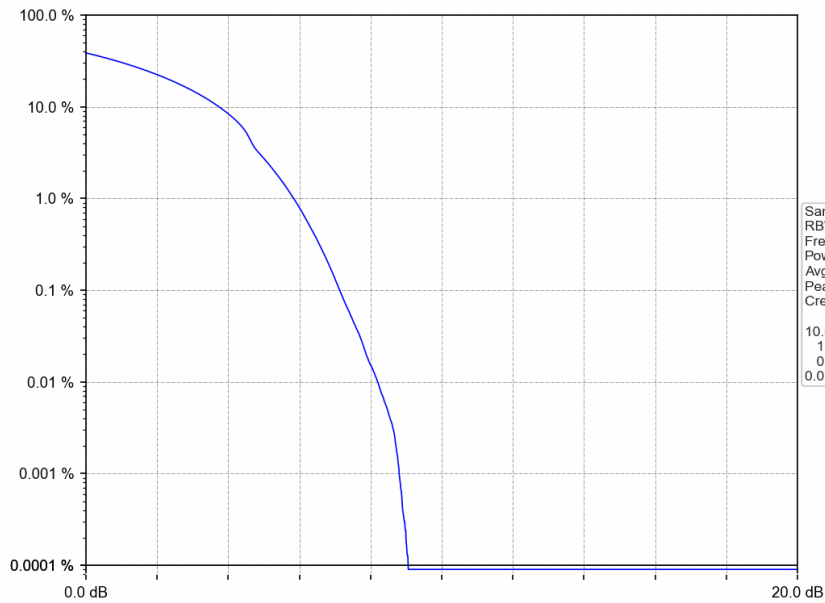




Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_100\_0\_NTNV





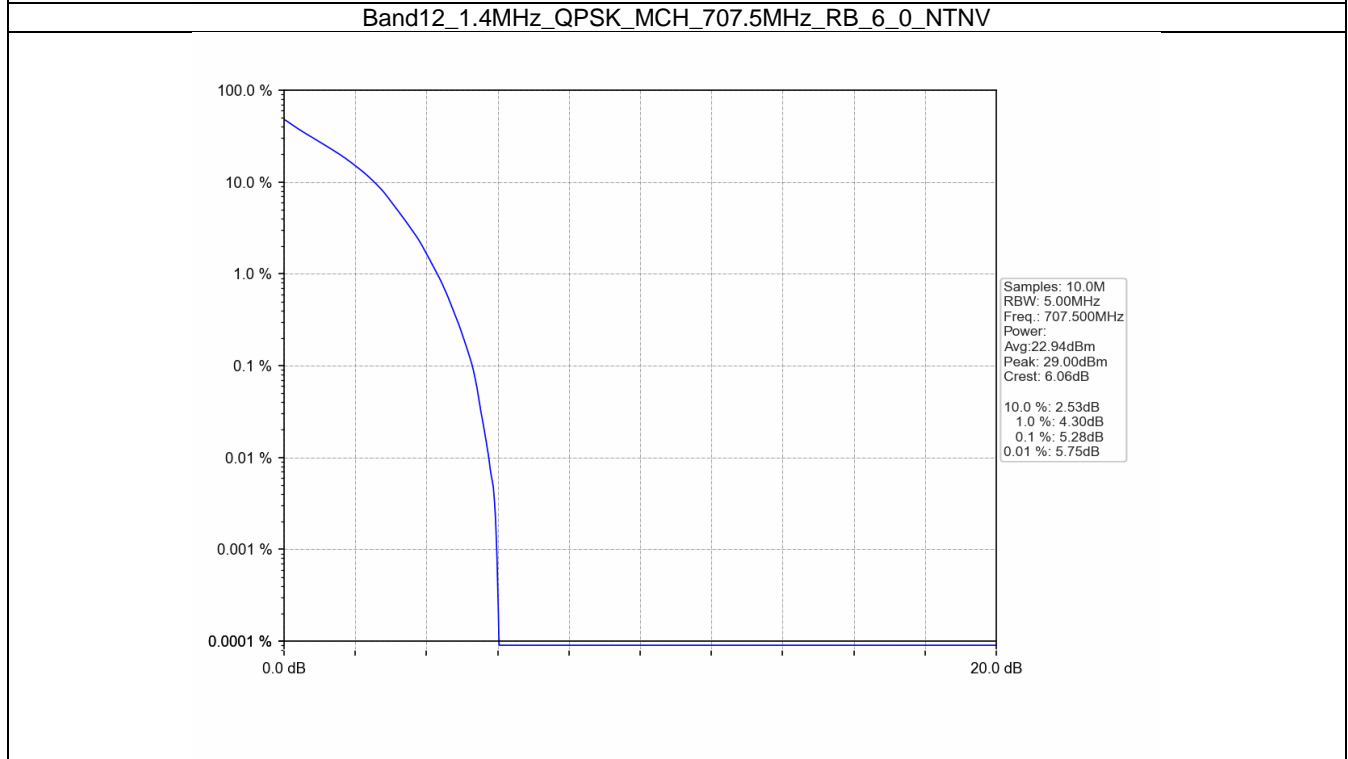
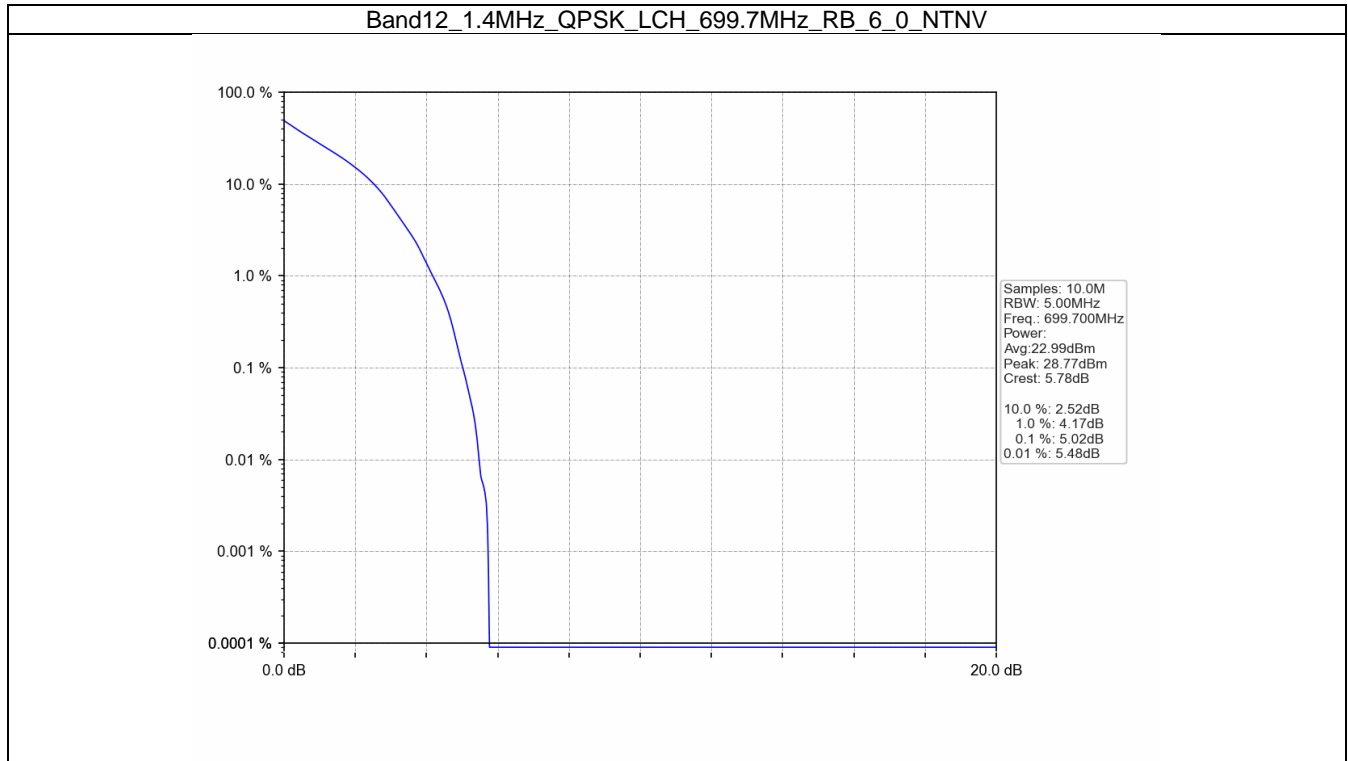
### 3.8. LTE\_B12\_1.4MHz

#### 3.8.1. Test Result

Band: 12 / Bandwidth: 1.4MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.02	<=13	Pass
	707.5	6	0	5.28	<=13	Pass
	715.3	6	0	5.08	<=13	Pass
16QAM	699.7	6	0	5.88	<=13	Pass
	707.5	6	0	6.06	<=13	Pass
	715.3	6	0	5.87	<=13	Pass

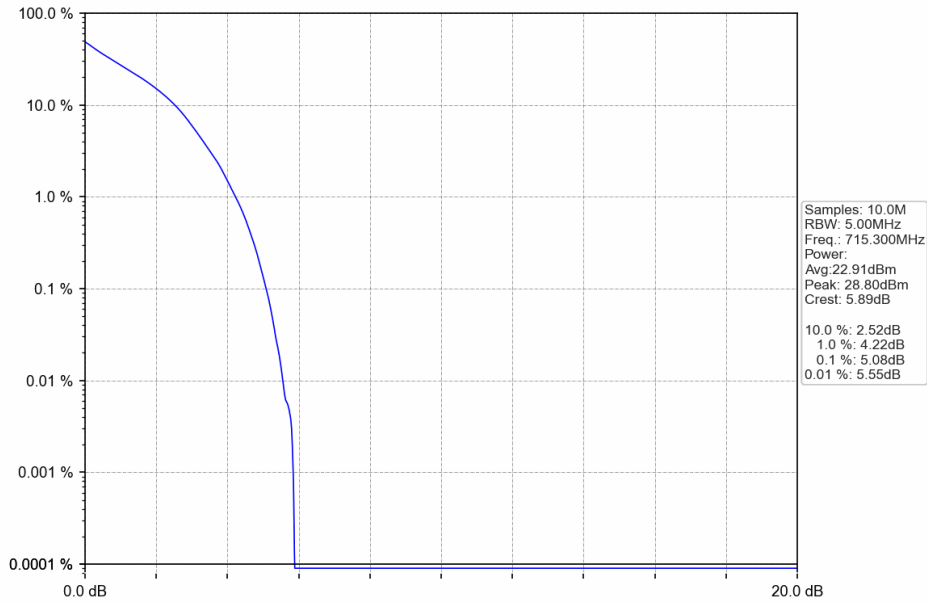


### 3.8.2. Test Graph

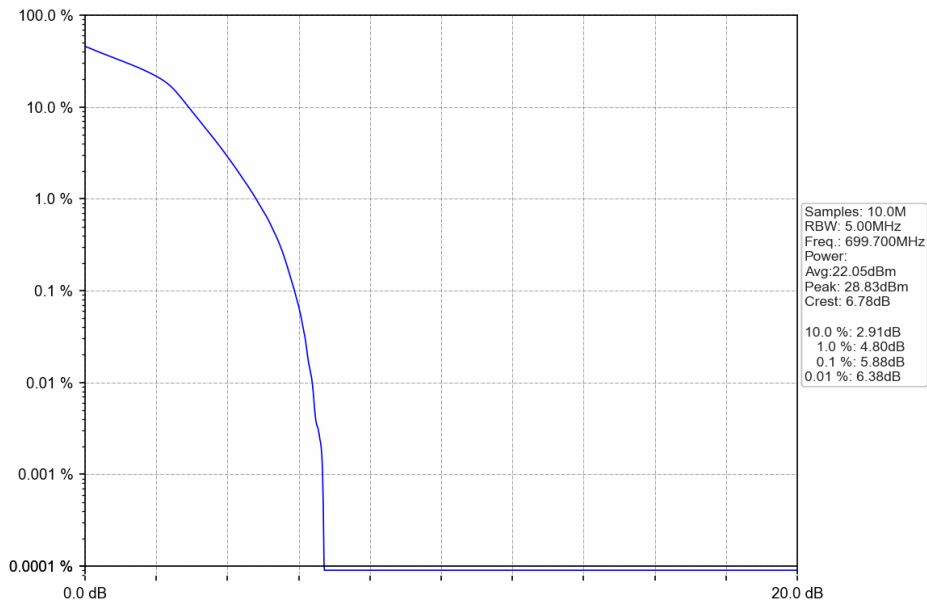




Band12\_1.4MHz\_QPSK\_HCH\_715.3MHz\_RB\_6\_0\_NTNV



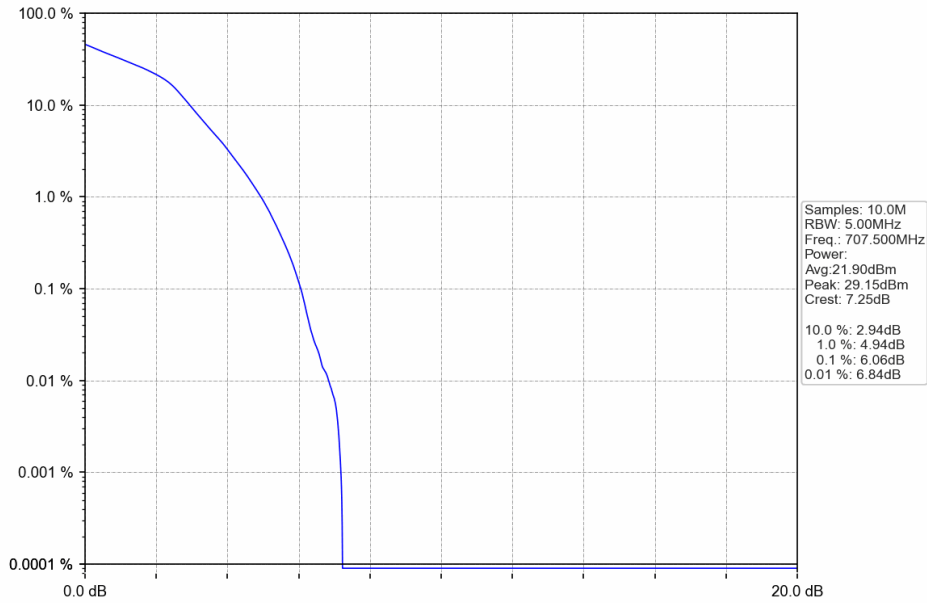
Band12\_1.4MHz\_16QAM\_LCH\_699.7MHz\_RB\_6\_0\_NTNV



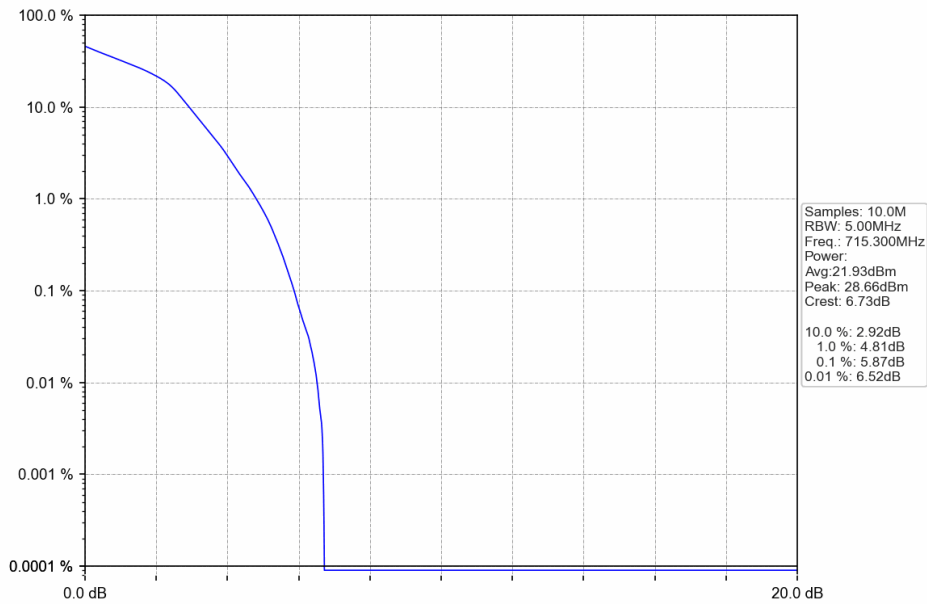




Band12\_1.4MHz\_16QAM\_MCH\_707.5MHz\_RB\_6\_0\_NTNV



Band12\_1.4MHz\_16QAM\_HCH\_715.3MHz\_RB\_6\_0\_NTNV





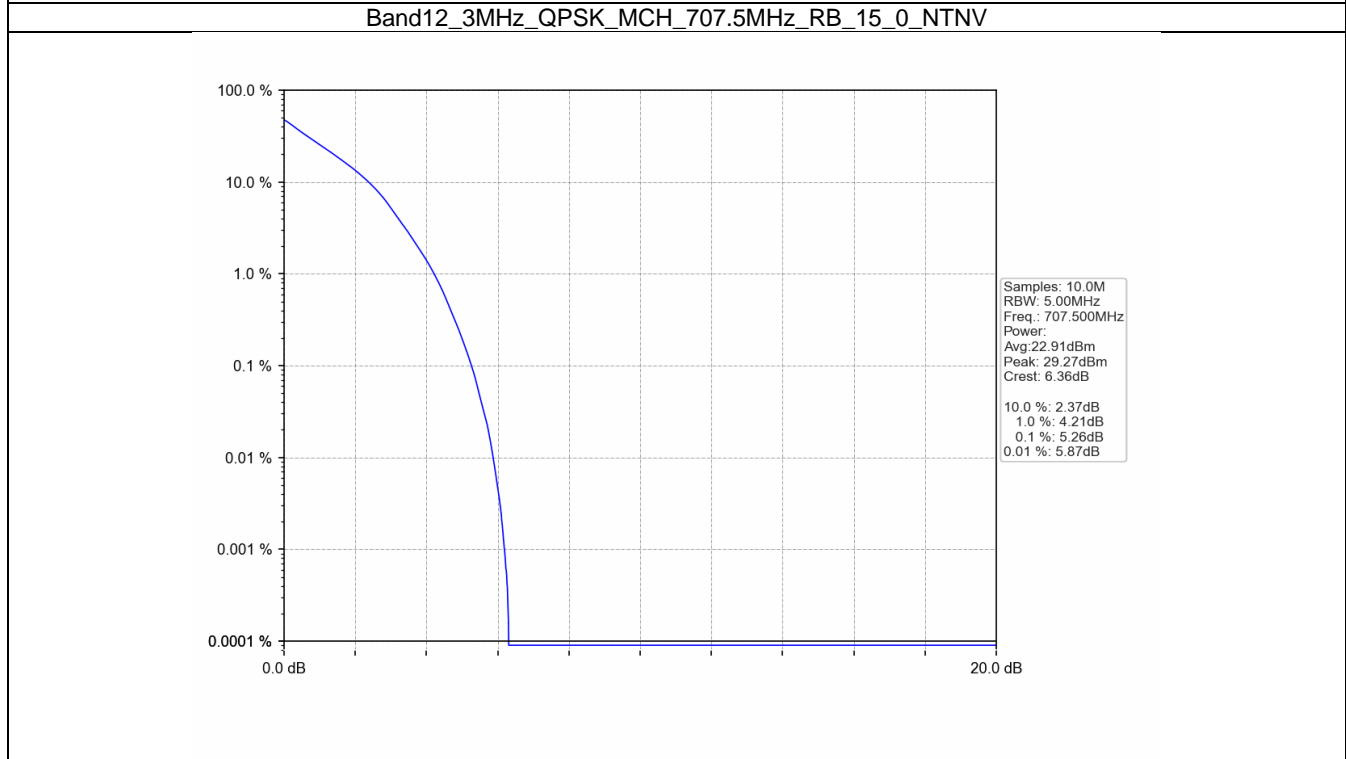
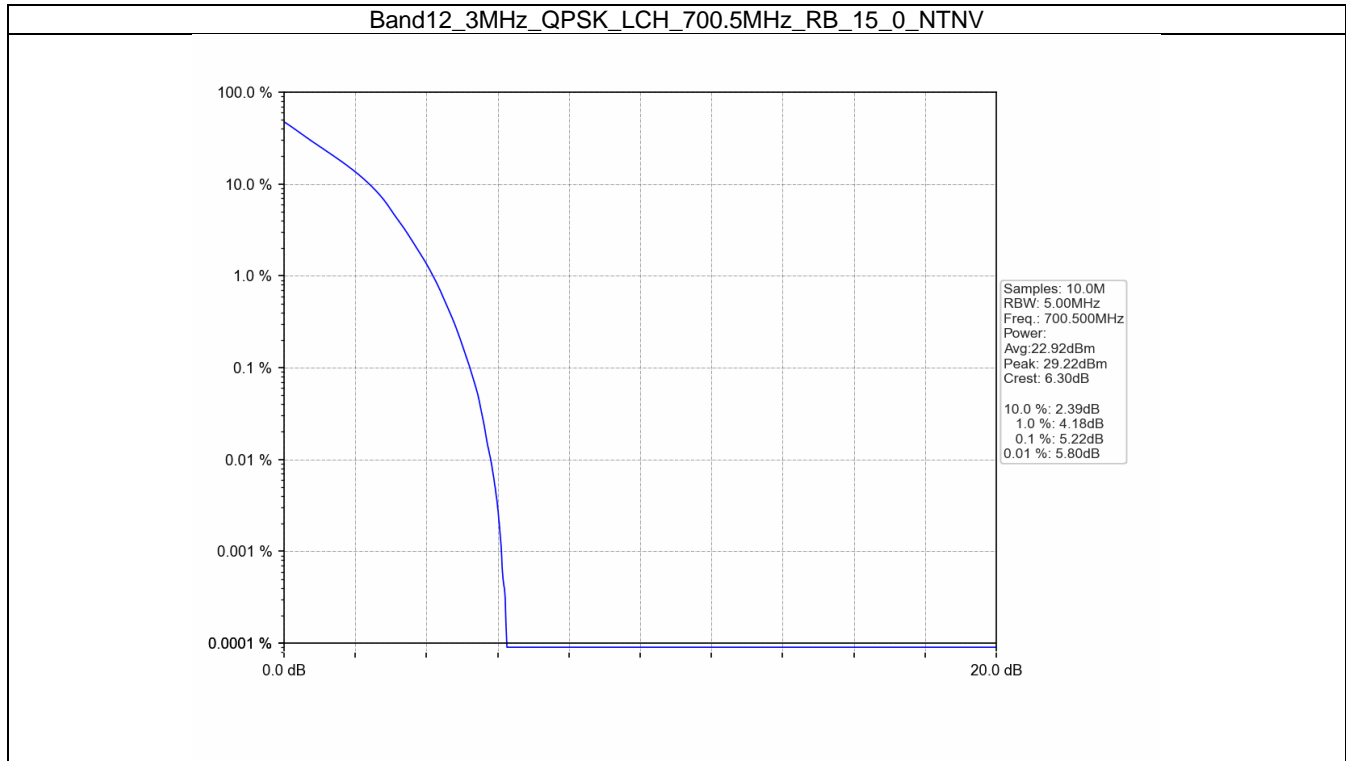
### 3.9. LTE\_B12\_3MHz

#### 3.9.1. Test Result

Band: 12 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.22	<=13	Pass
	707.5	15	0	5.26	<=13	Pass
	714.5	15	0	5.25	<=13	Pass
16QAM	700.5	15	0	6.03	<=13	Pass
	707.5	15	0	6.08	<=13	Pass
	714.5	15	0	6.06	<=13	Pass

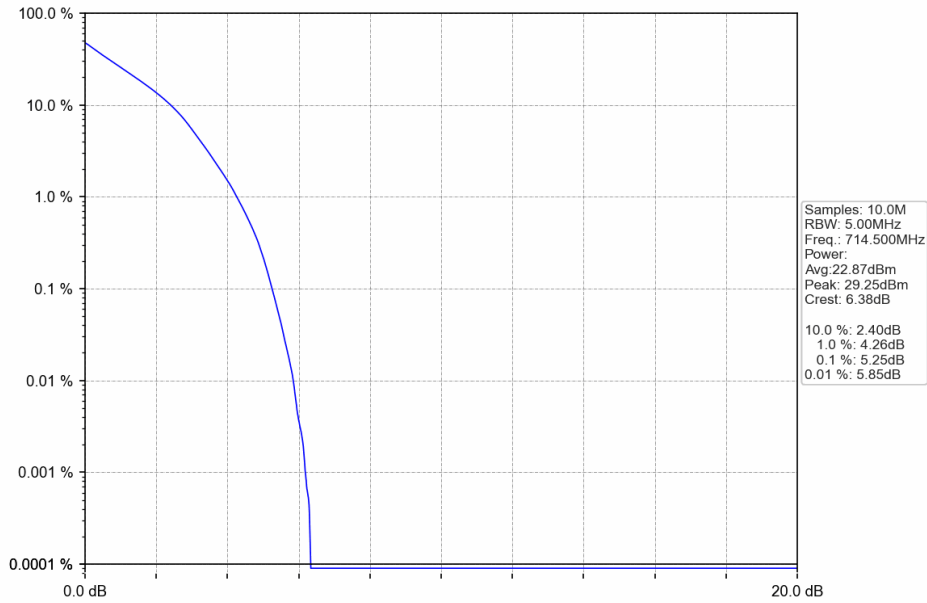


### 3.9.2. Test Graph

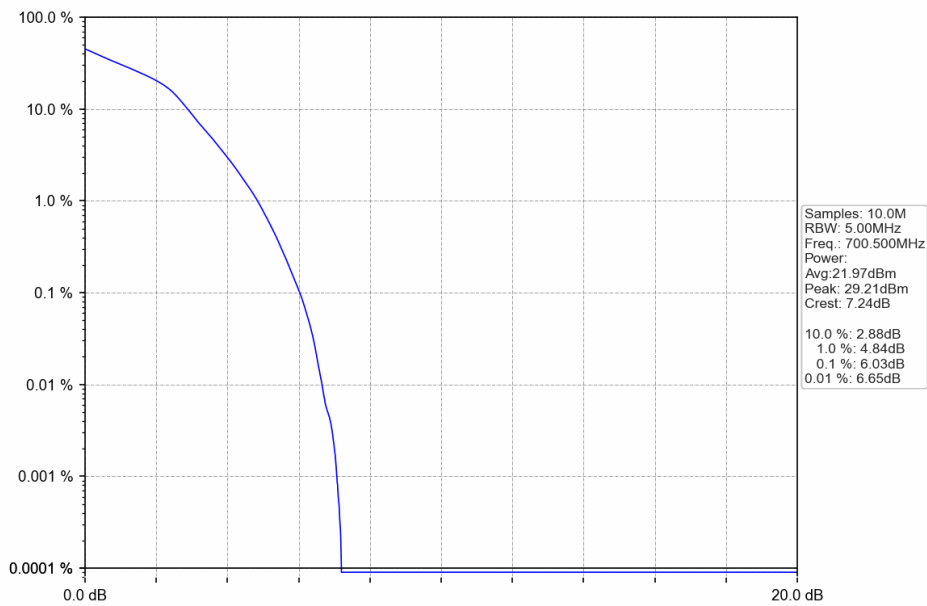




Band12\_3MHz\_QPSK\_HCH\_714.5MHz\_RB\_15\_0\_NTNV

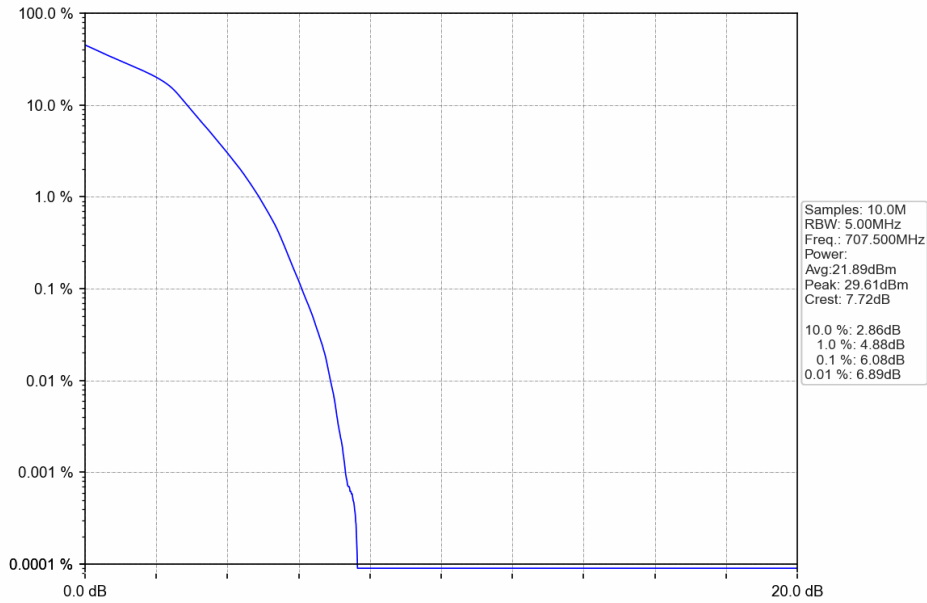


Band12\_3MHz\_16QAM\_LCH\_700.5MHz\_RB\_15\_0\_NTNV

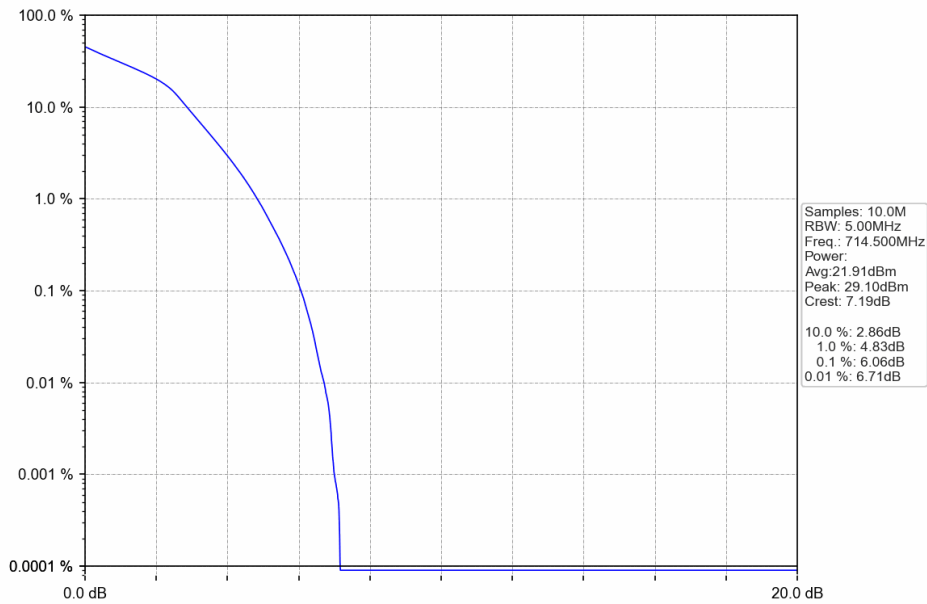




Band12\_3MHz\_16QAM\_MCH\_707.5MHz\_RB\_15\_0\_NTNV



Band12\_3MHz\_16QAM\_HCH\_714.5MHz\_RB\_15\_0\_NTNV





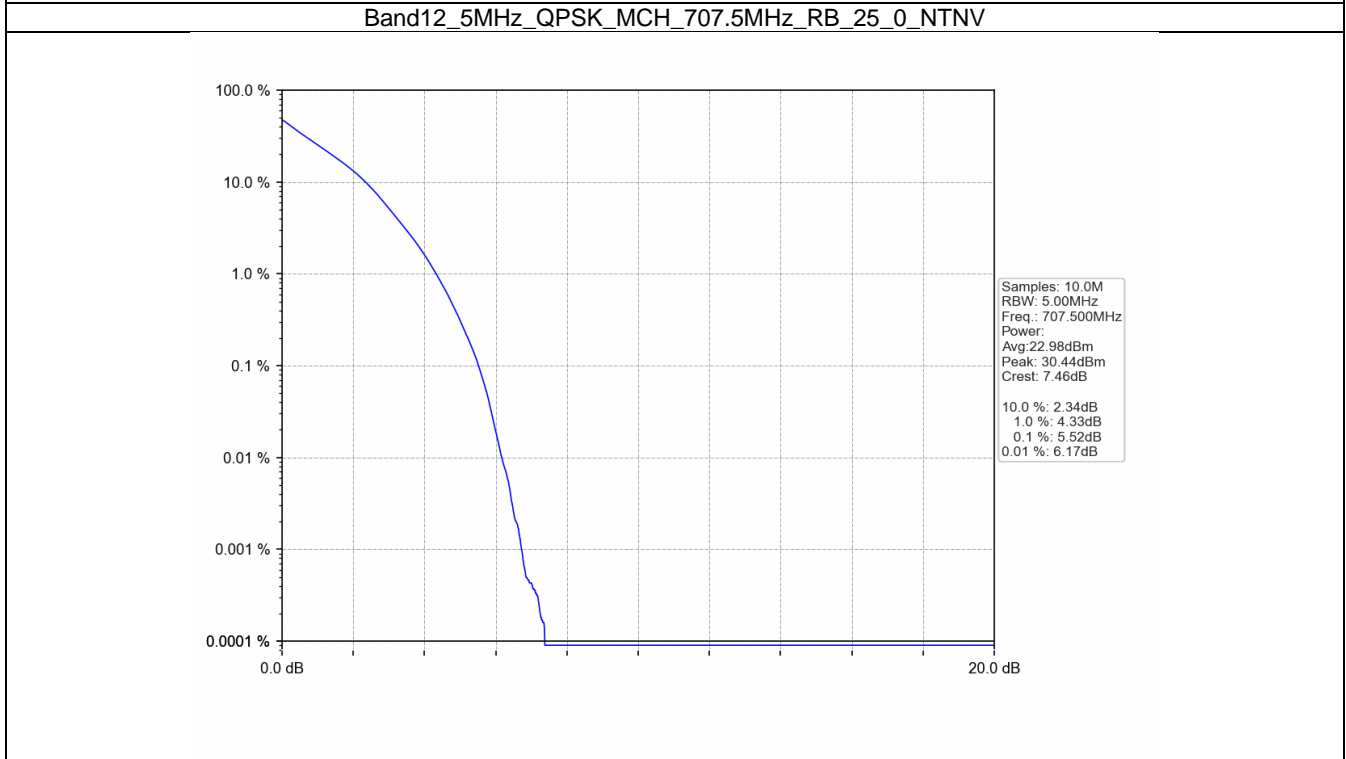
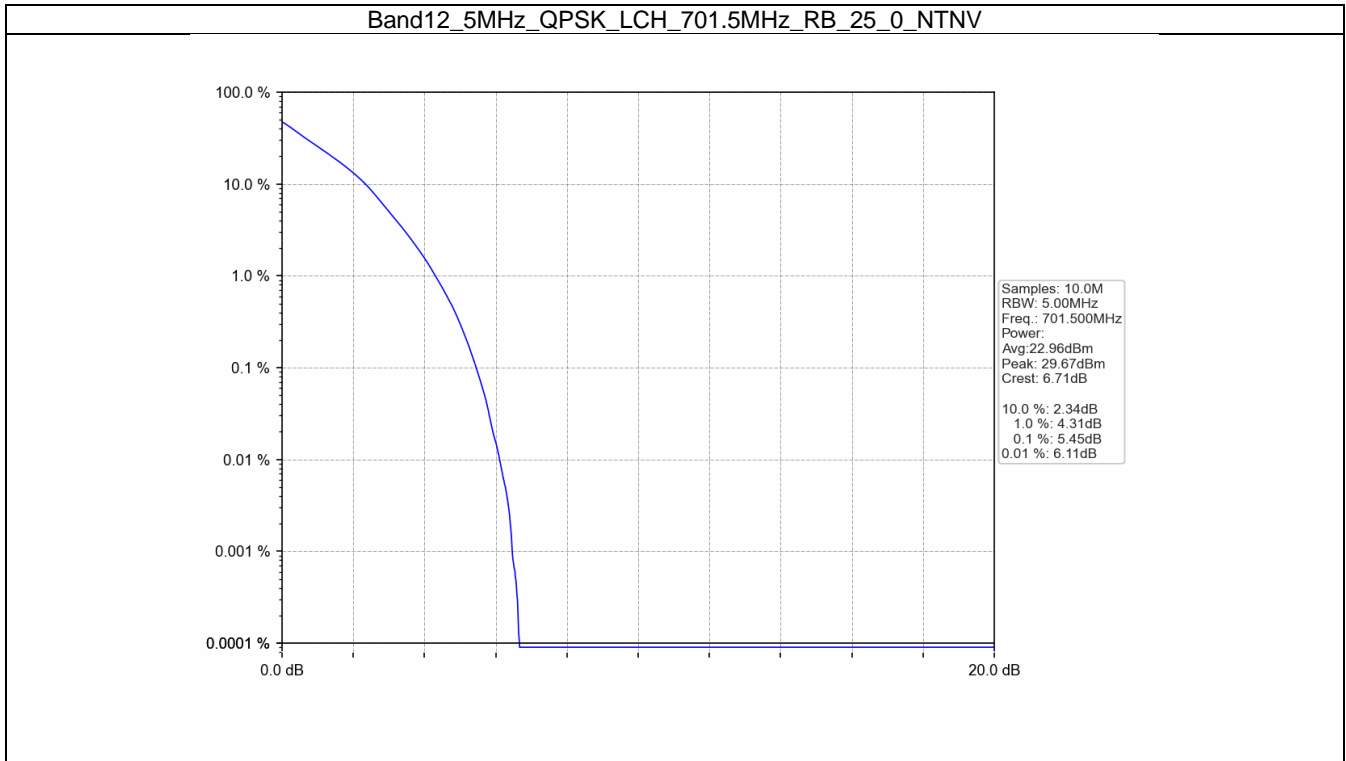
### 3.10. LTE\_B12\_5MHz

#### 3.10.1. Test Result

Band: 12 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.45	<=13	Pass
	707.5	25	0	5.52	<=13	Pass
	713.5	25	0	5.42	<=13	Pass
16QAM	701.5	25	0	6.13	<=13	Pass
	707.5	25	0	6.16	<=13	Pass
	713.5	25	0	6.16	<=13	Pass

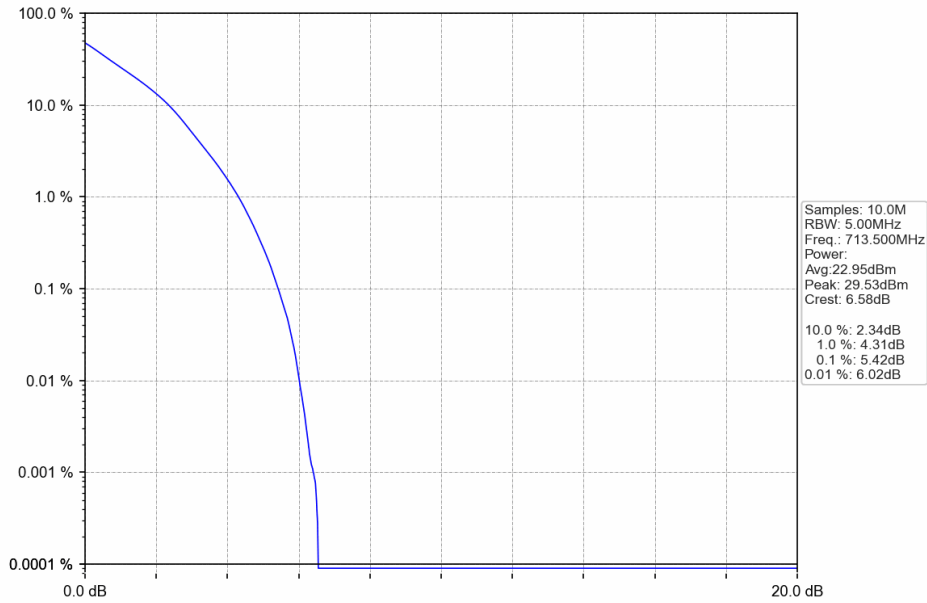


### 3.10.2. Test Graph

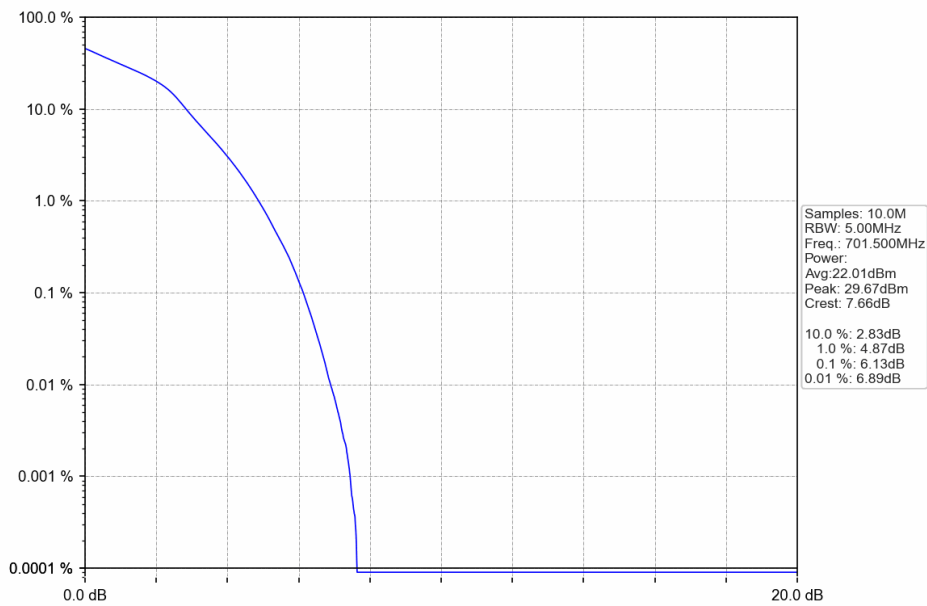




Band12\_5MHz\_QPSK\_HCH\_713.5MHz\_RB\_25\_0\_NTNV



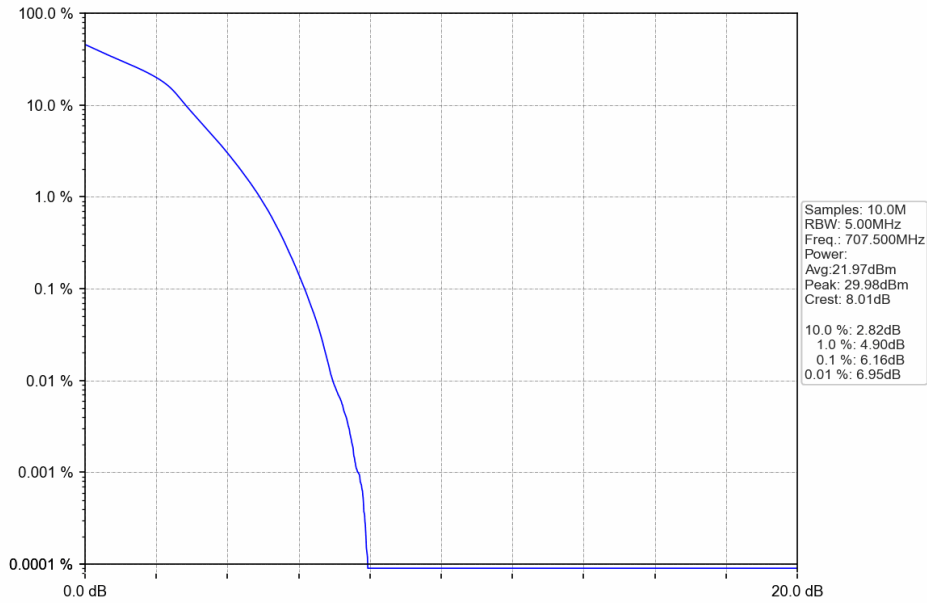
Band12\_5MHz\_16QAM\_LCH\_701.5MHz\_RB\_25\_0\_NTNV



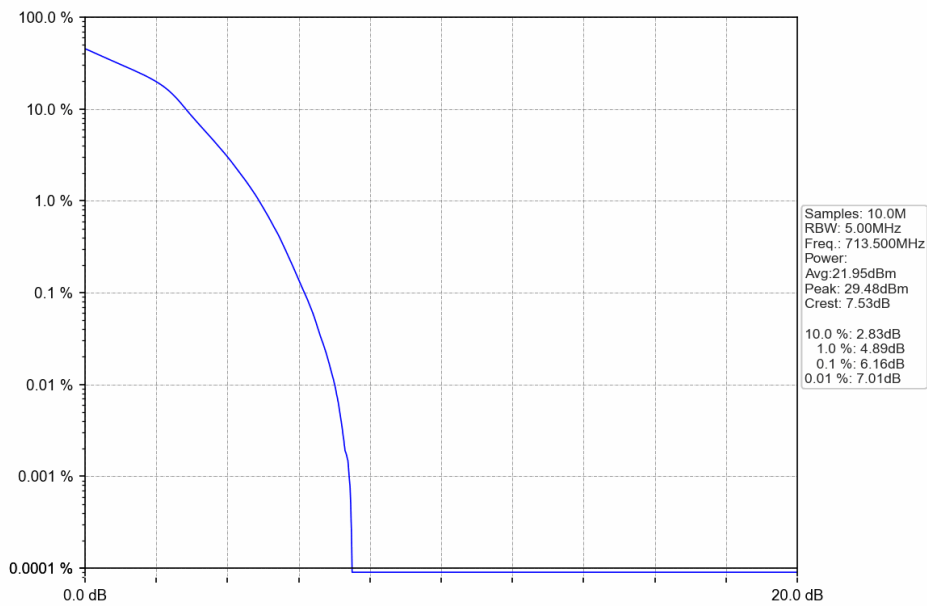




Band12\_5MHz\_16QAM\_MCH\_707.5MHz\_RB\_25\_0\_NTNV



Band12\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV





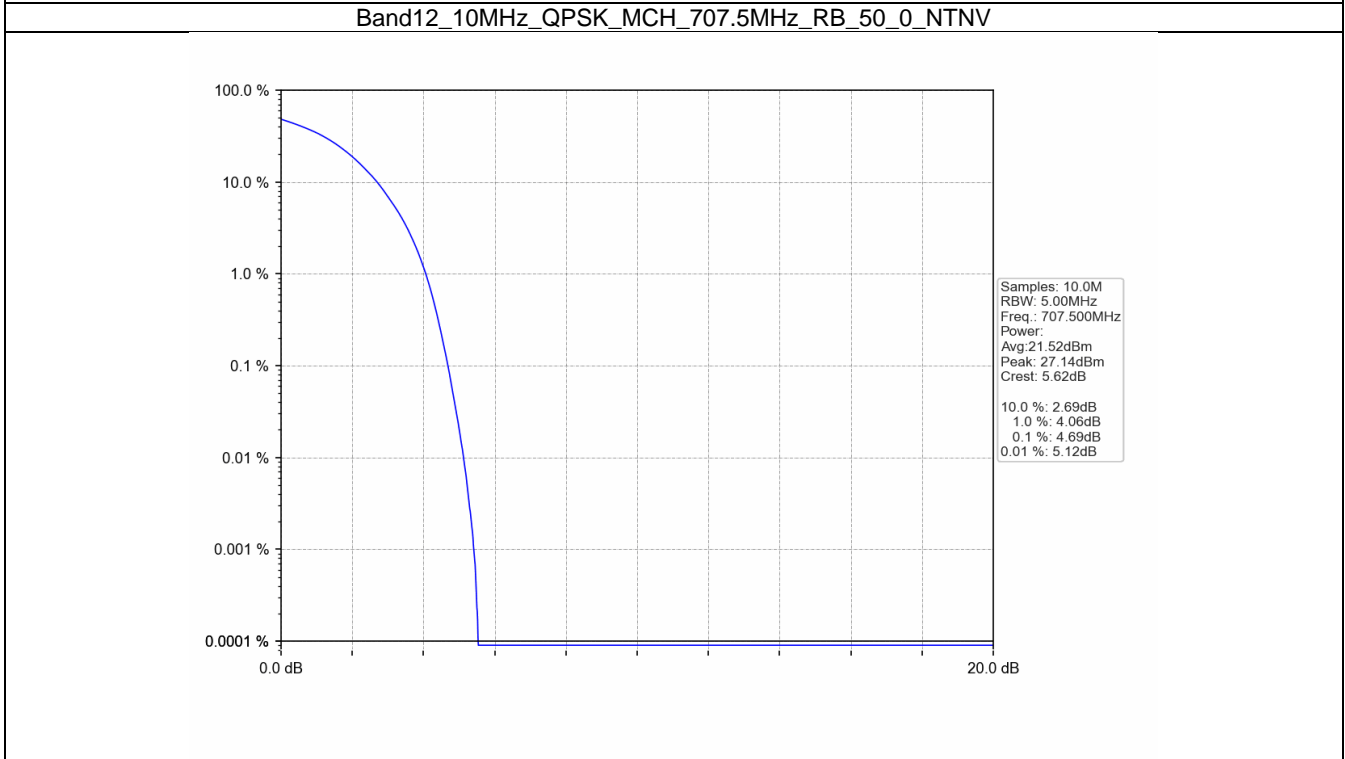
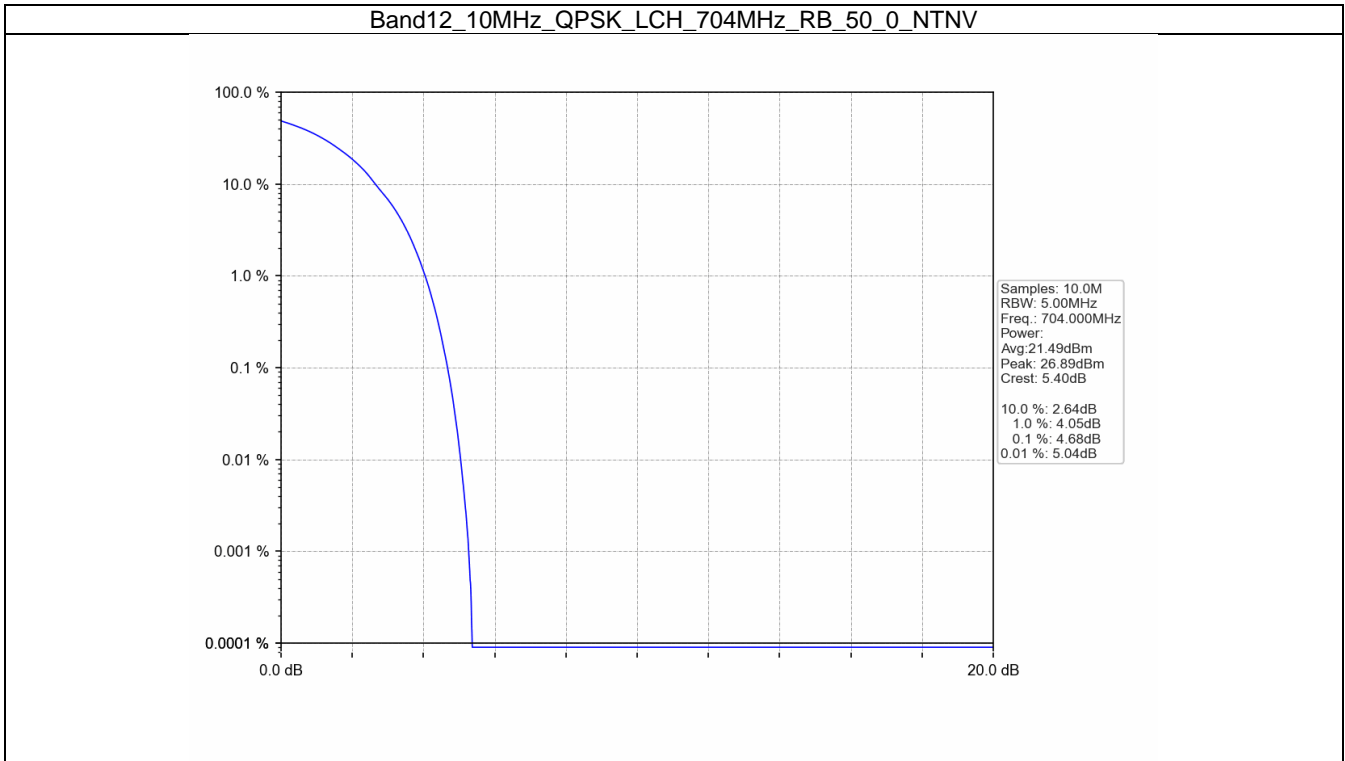
### 3.11. LTE\_B12\_10MHz

#### 3.11.1. 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	4.68	<=13	Pass
	707.5	50	0	4.69	<=13	Pass
	711	50	0	4.56	<=13	Pass
16QAM	704	50	0	6.06	<=13	Pass
	707.5	50	0	6.01	<=13	Pass
	711	50	0	6.04	<=13	Pass

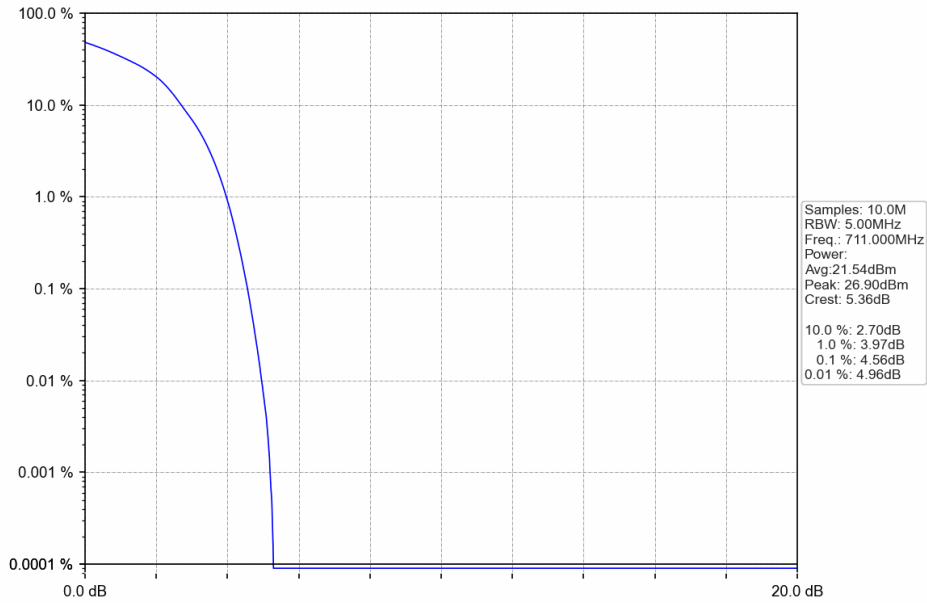


### 3.11.2. Test Graph





Band12\_10MHz\_QPSK\_HCH\_711MHz\_RB\_50\_0\_NTNV



Band12\_10MHz\_16QAM\_LCH\_704MHz\_RB\_50\_0\_NTNV

