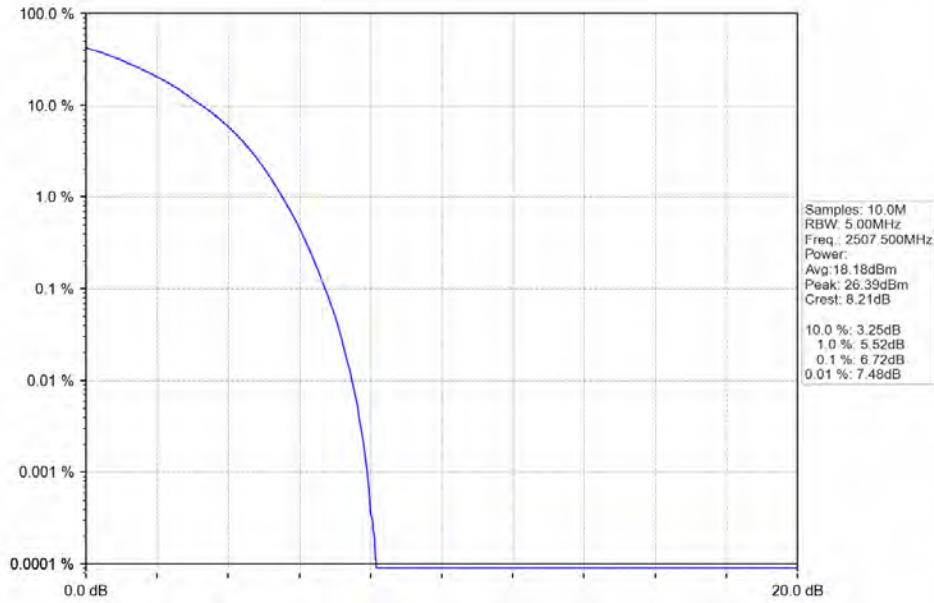
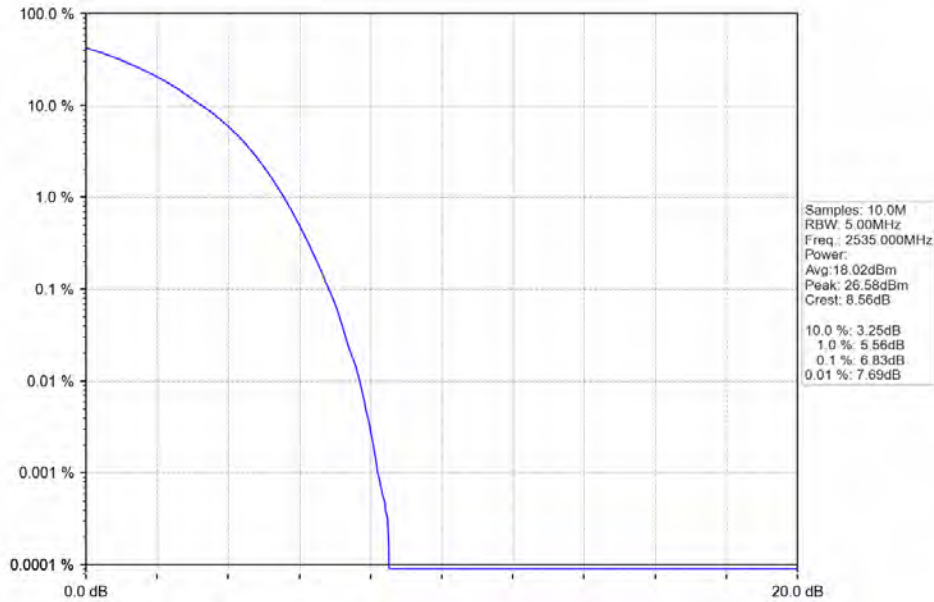




Band7 15MHz 64QAM LCH 2507.5MHz RB 75 0 NTNV



Band7 15MHz 64QAM MCH 2535MHz RB 75 0 NTNV

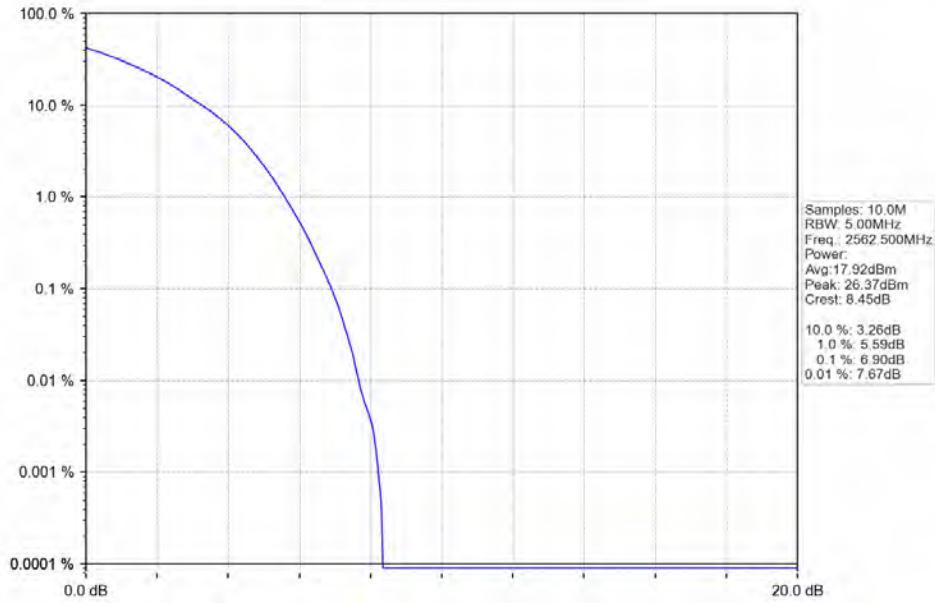




**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band7\_15MHz\_64QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



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District, Shenzhen, Guangdong, China

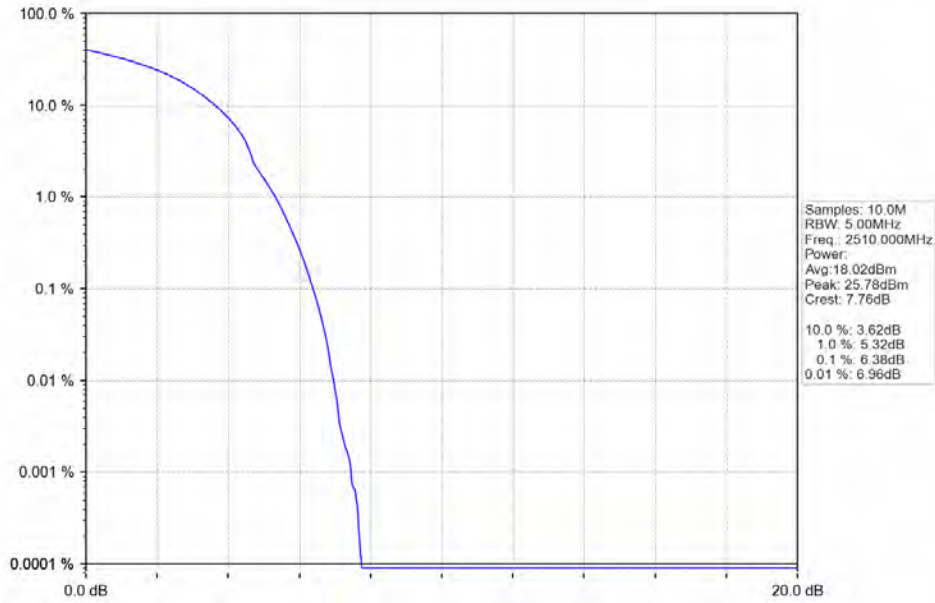
Tel: +86 755 8869 6566

Fax: +86 755 8869 6577

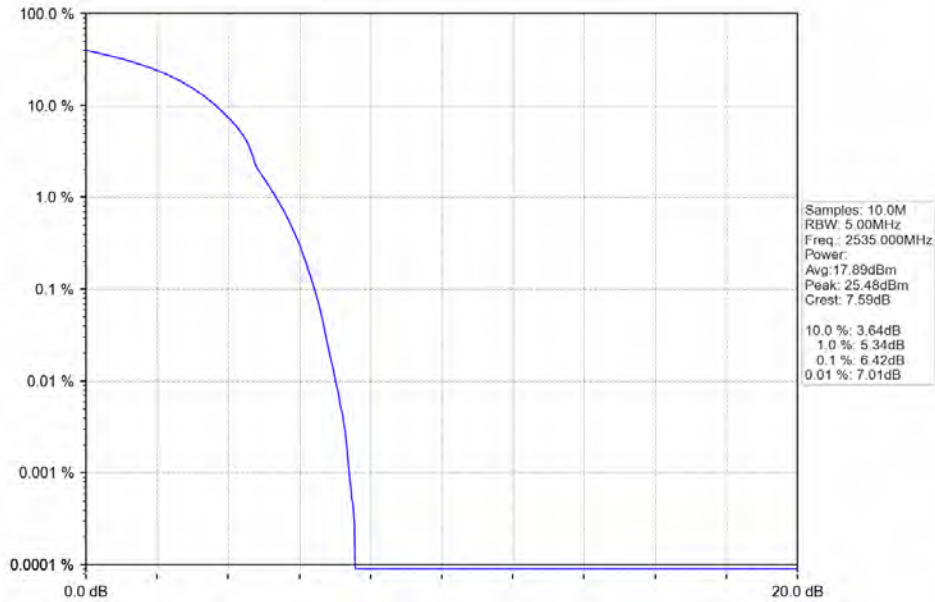
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTV

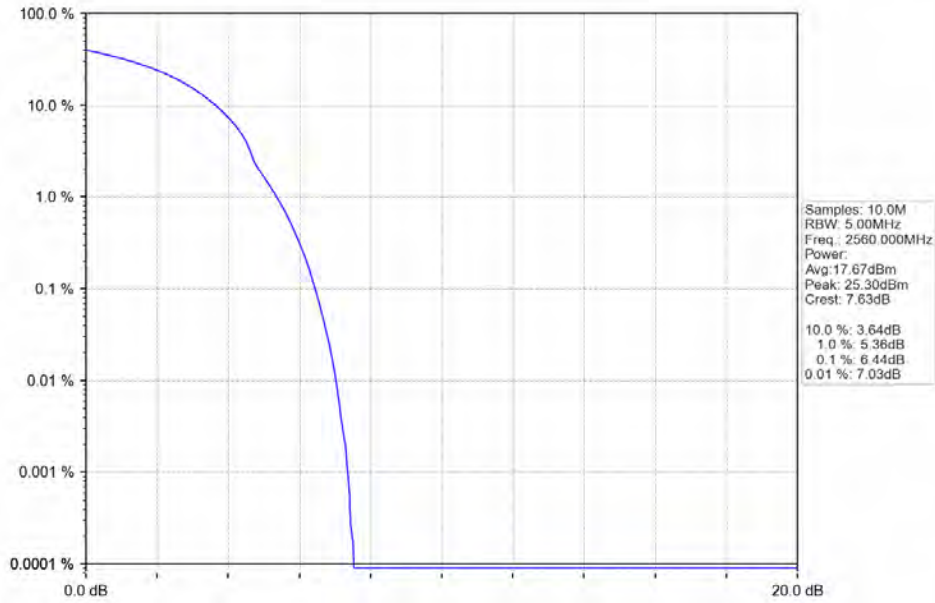


Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTV

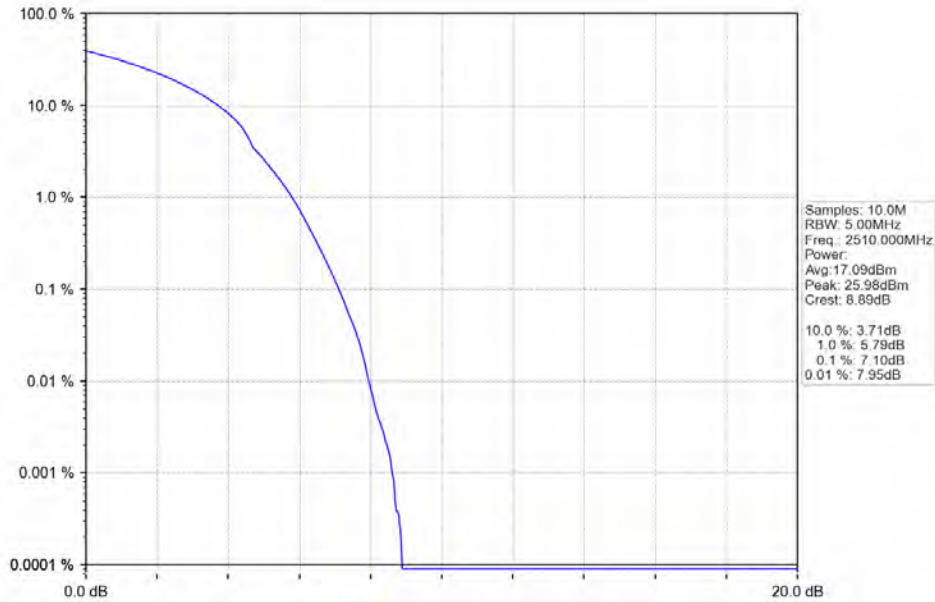




**Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_100\_0\_NTNV**

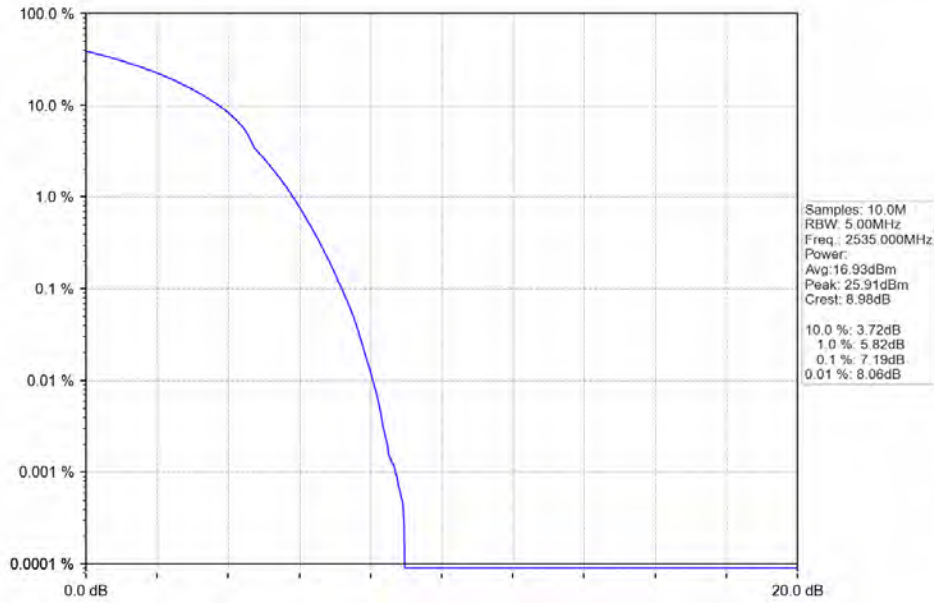


**Band7\_20MHz\_16QAM\_LCH\_2510MHz\_RB\_100\_0\_NTNV**

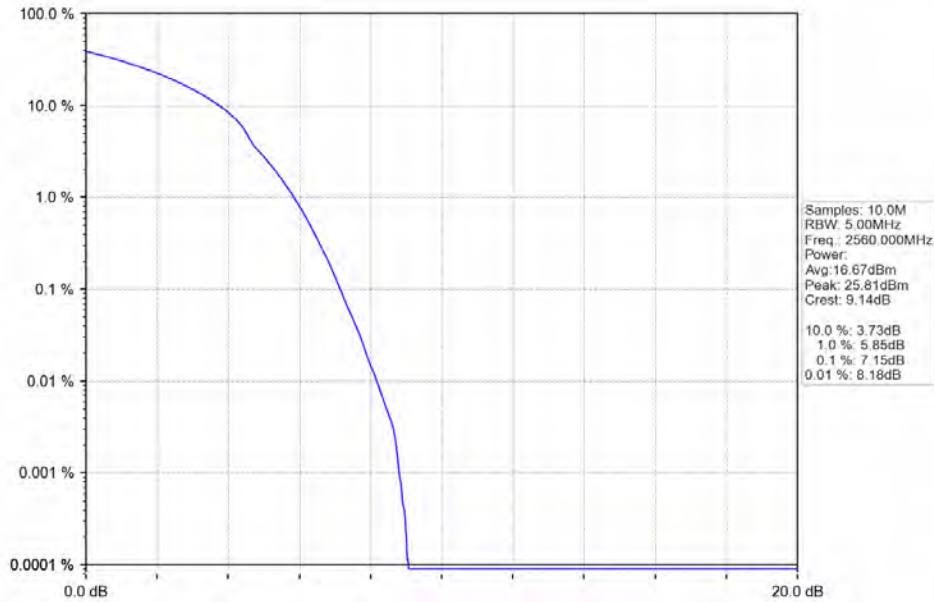




Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTNV



Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTNV

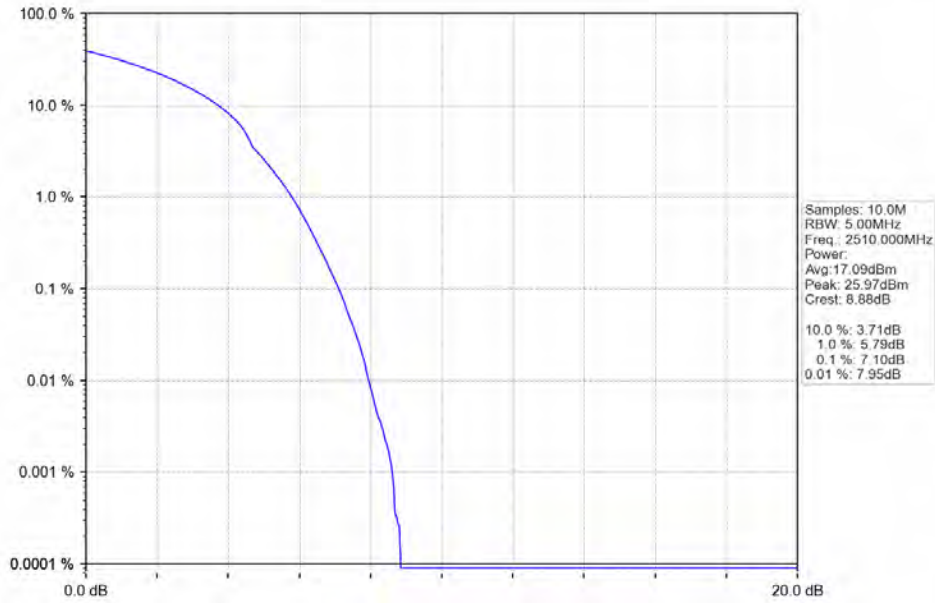




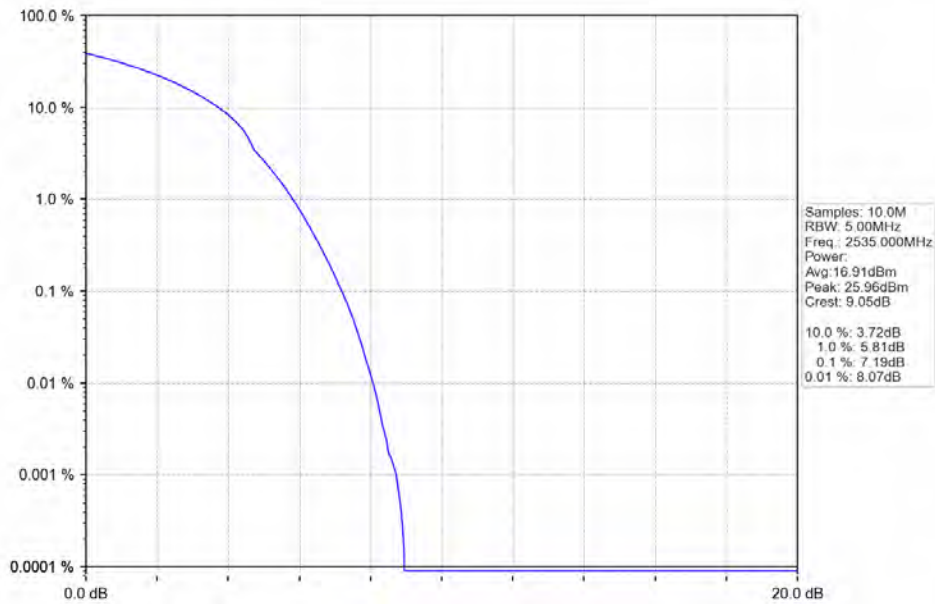
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band7 20MHz 64QAM LCH 2510MHz RB 100 0 NTVN



Band7 20MHz 64QAM MCH 2535MHz RB 100 0 NTVN



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District, Shenzhen, Guangdong, China

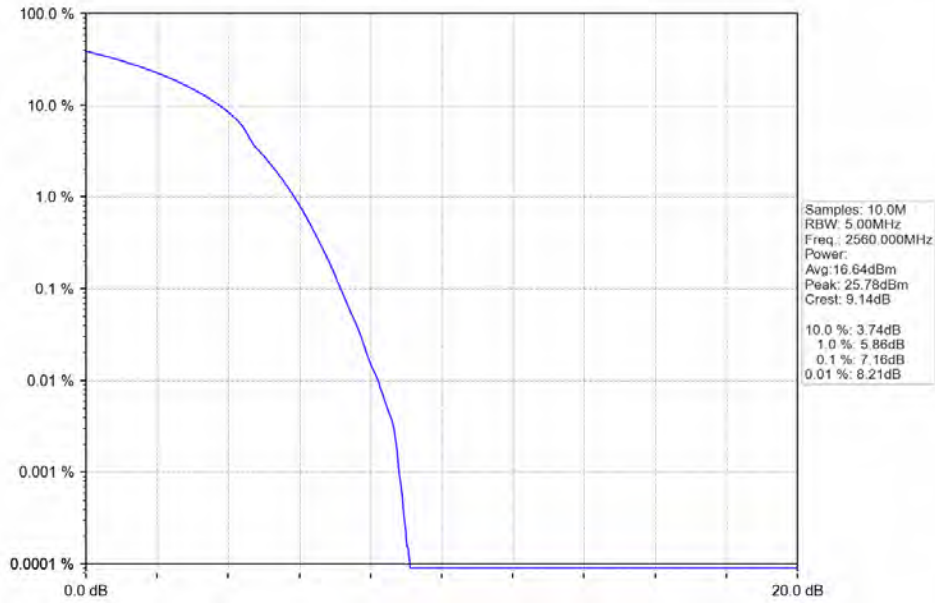
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Band7 20MHz 64QAM HCH 2560MHz RB 100 0 NTVN





### 3.3 LTE Band 12

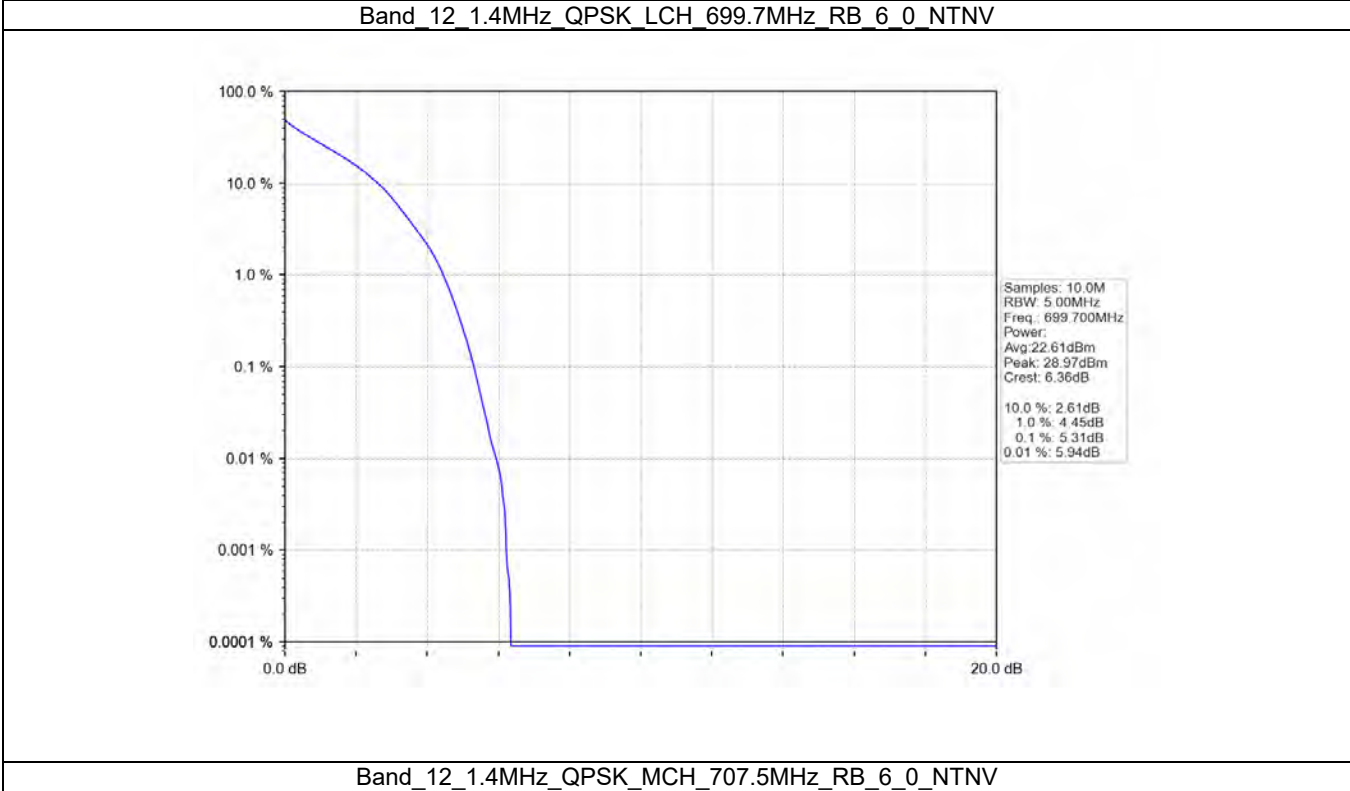
#### 3.3.1 Test Result

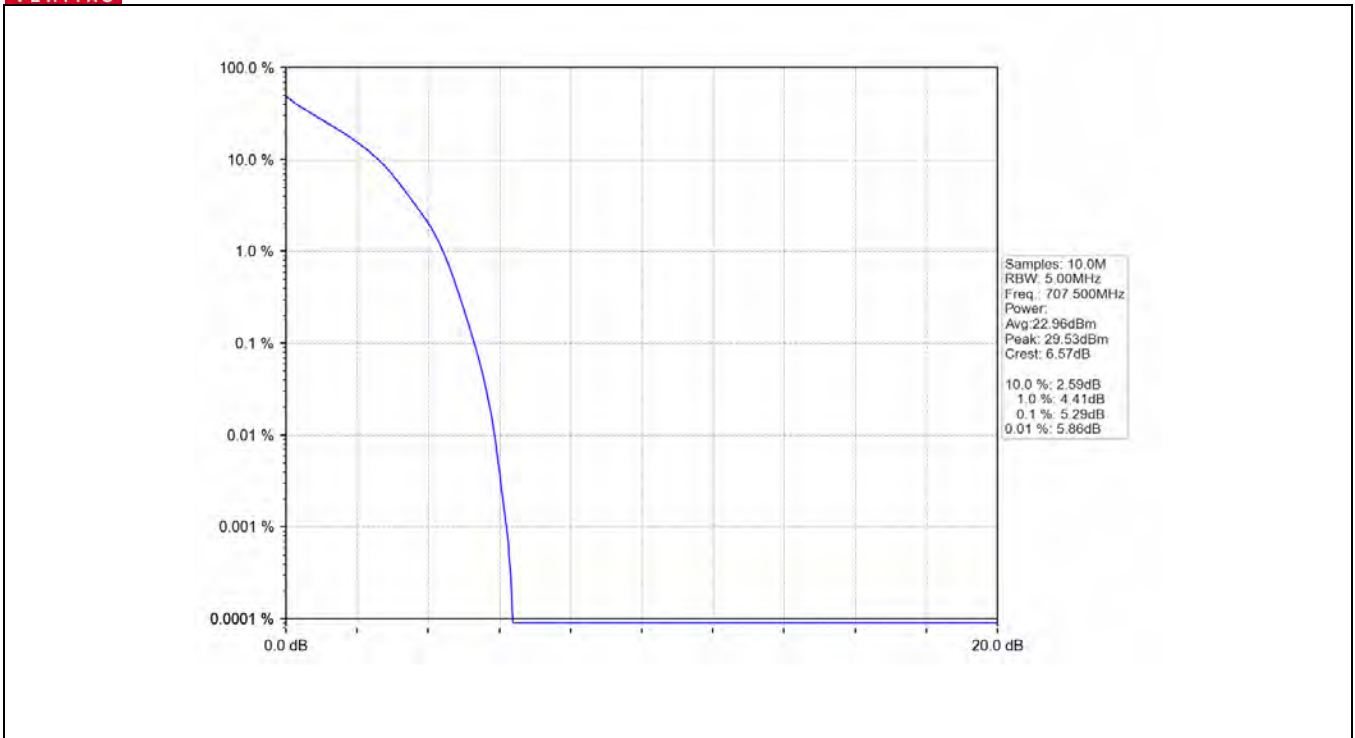
Band: 12 / Bandwidth: 1.4MHz / NTNV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	6	0	5.31	5.29	5.21	<=13	Pass
16QAM	6	0	5.98	6.03	6.04	<=13	Pass
64QAM	6	0	6.05	6.05	5.94	<=13	Pass
Band: 12 / Bandwidth: 3MHz / NTNV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	15	0	5.17	5.40	5.08	<=13	Pass
16QAM	15	0	5.94	5.93	5.91	<=13	Pass
64QAM	15	0	5.96	5.91	5.88	<=13	Pass
Band: 12 / Bandwidth: 5MHz / NTNV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	25	0	5.28	5.19	5.21	<=13	Pass
16QAM	25	0	6.02	5.92	5.94	<=13	Pass
64QAM	25	0	5.99	5.90	5.94	<=13	Pass
Band: 12 / Bandwidth: 10MHz / NTNV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	50	0	4.60	4.50	4.59	<=13	Pass
16QAM	50	0	5.99	5.98	5.93	<=13	Pass
64QAM	50	0	5.99	5.99	5.93	<=13	Pass





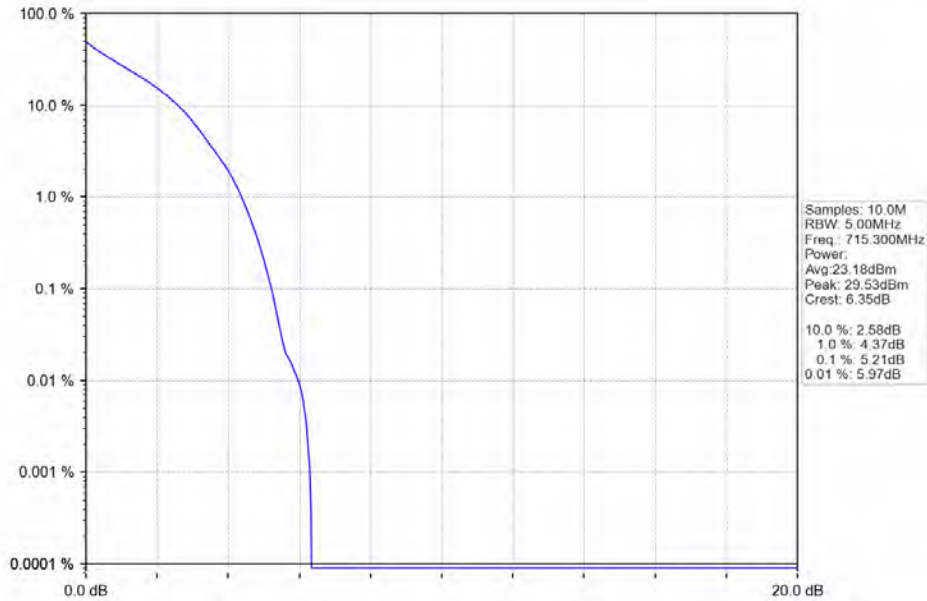
**VERITAS**  
3.3.2 Test Graph



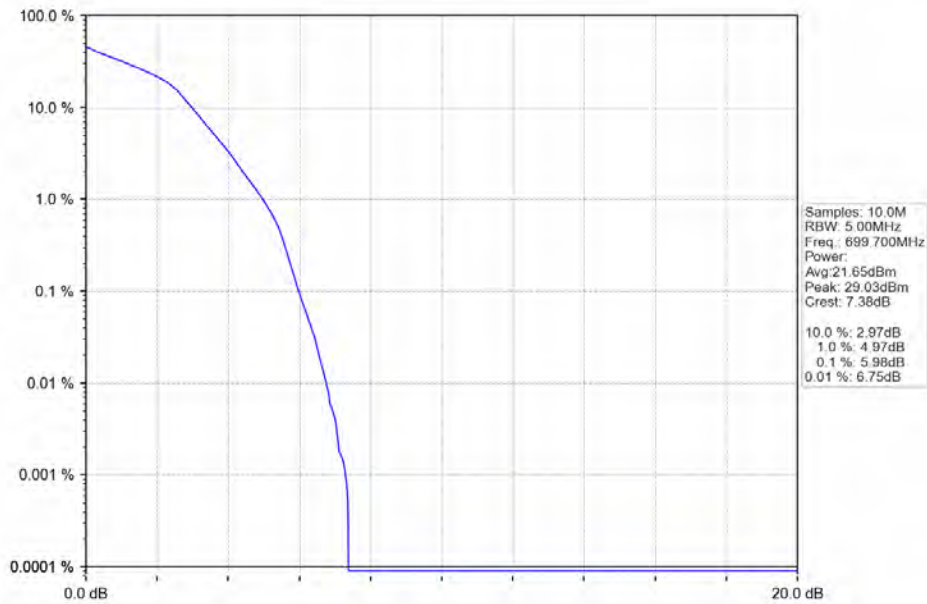




**Band 12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTN**

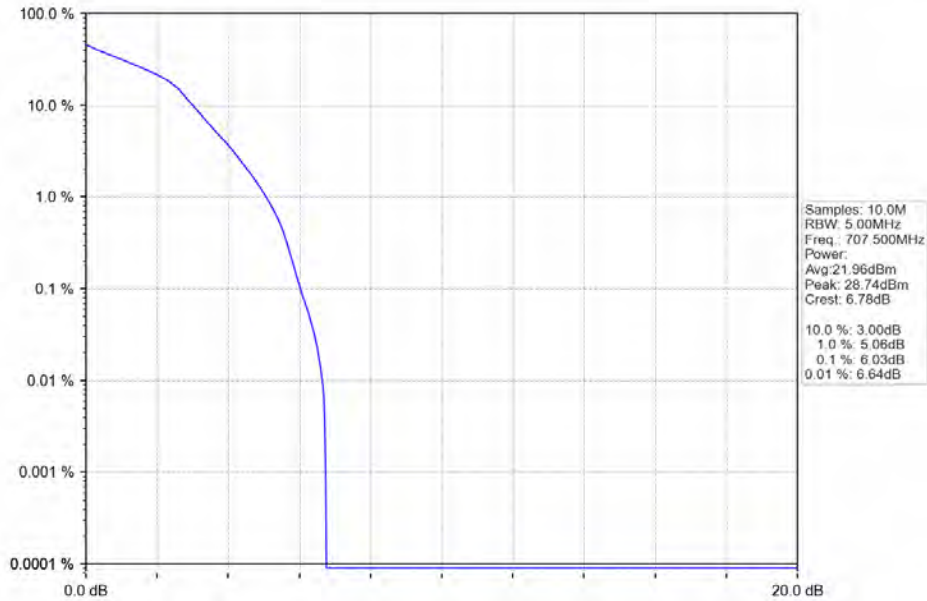


**Band 12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTN**

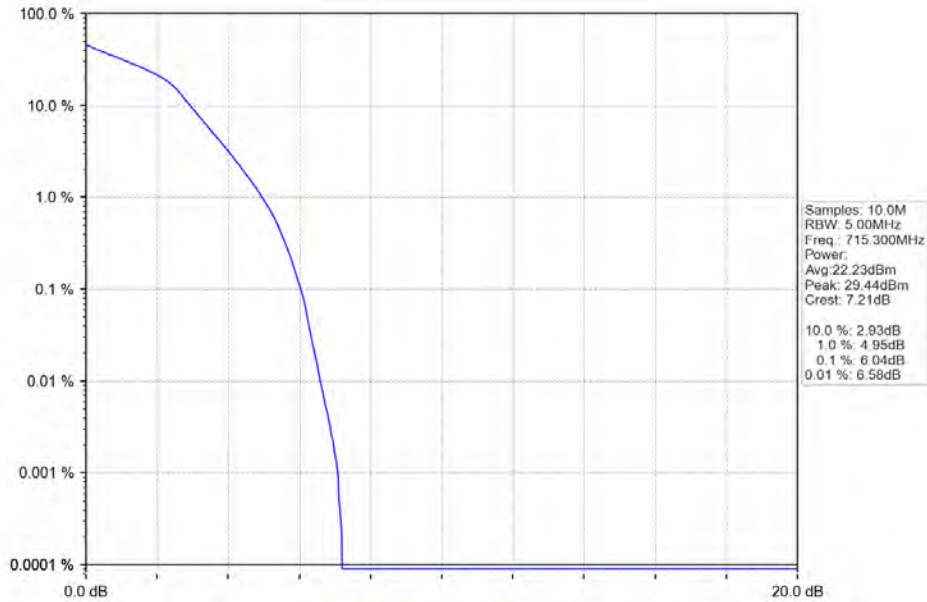




Band 12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTV

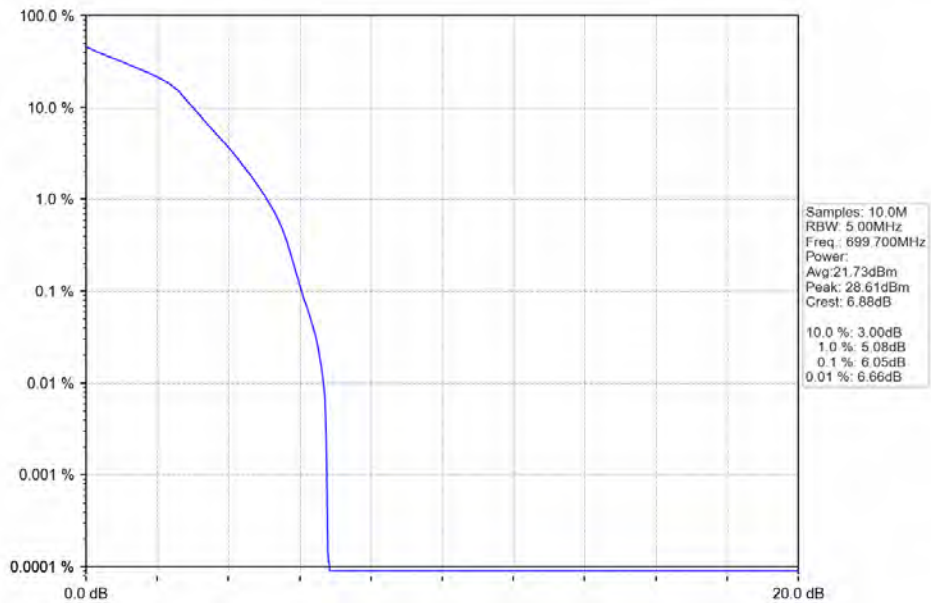


Band 12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTV

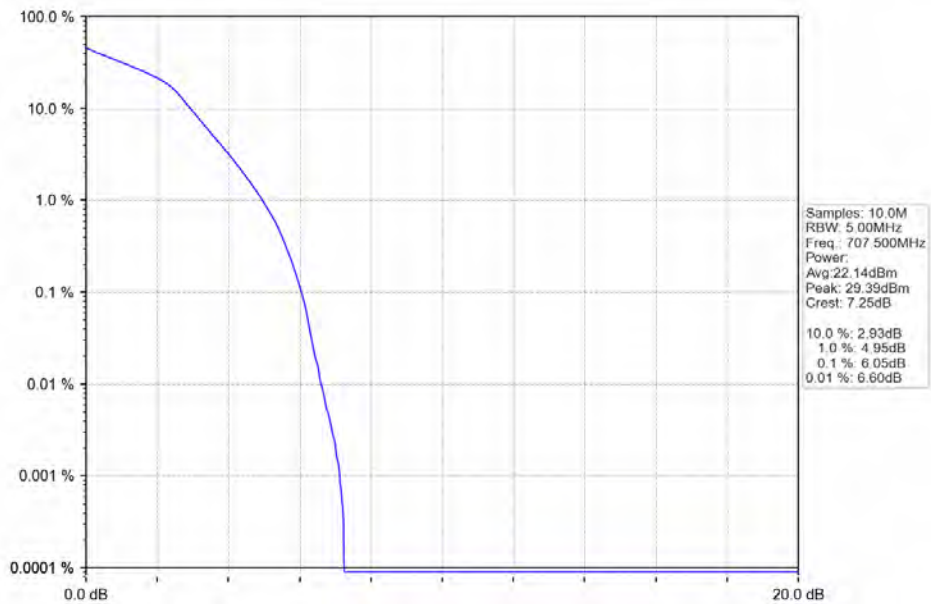




Band 12 1.4MHz 64QAM LCH 699.7MHz RB 6.0 NTNV



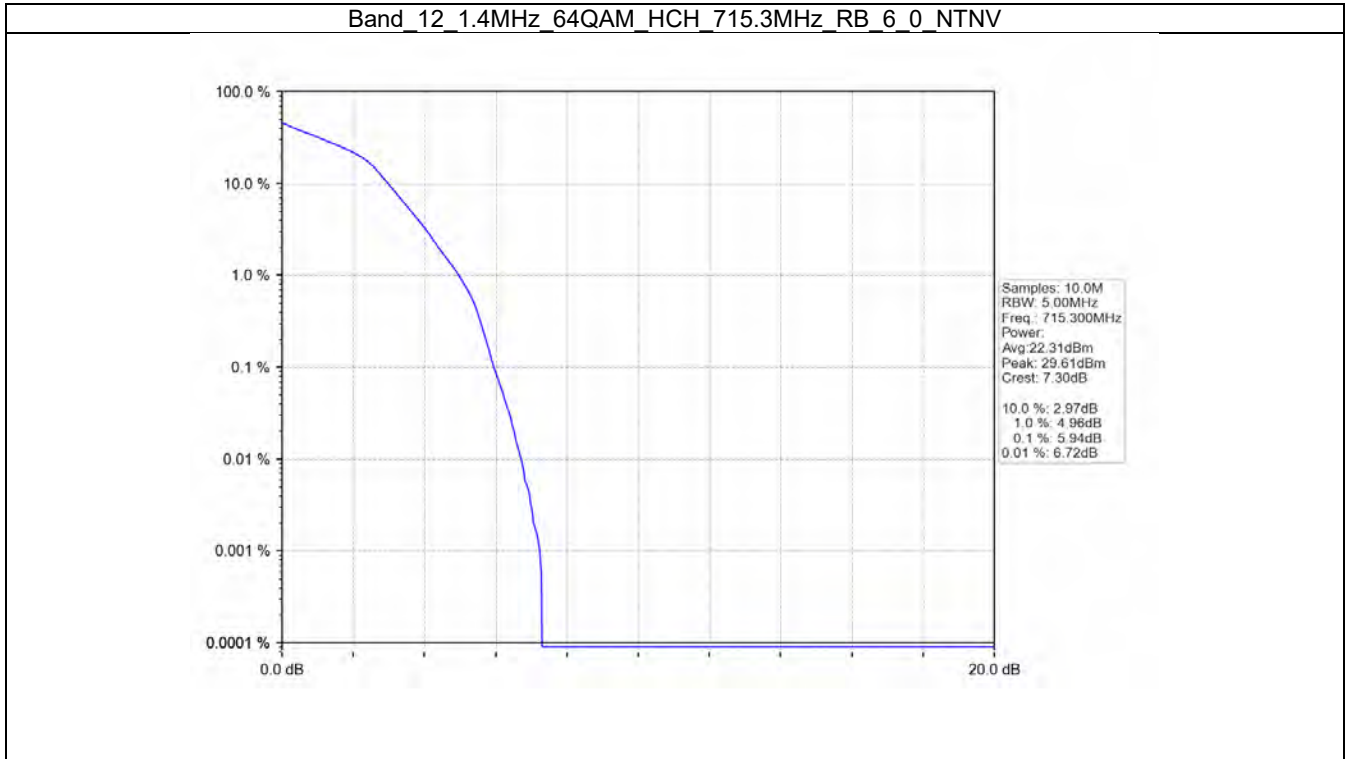
Band 12 1.4MHz 64QAM MCH 707.5MHz RB 6.0 NTNV





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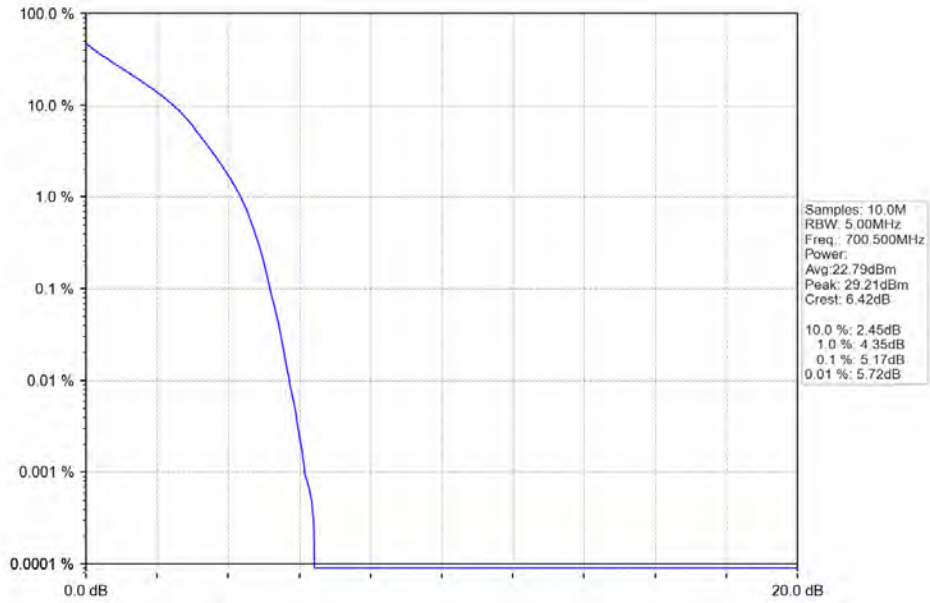
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



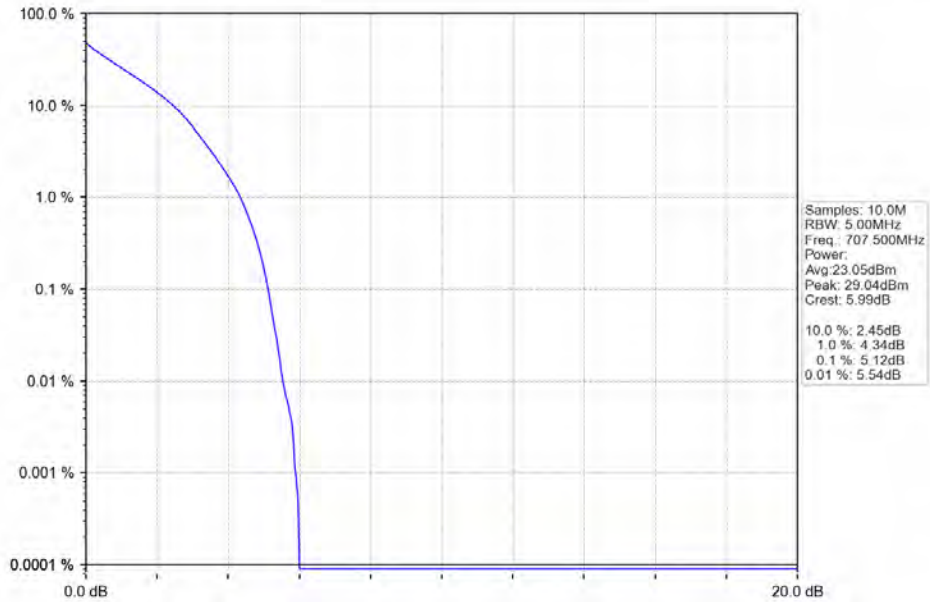
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV



Band 12 3MHz QPSK MCH 707.5MHz RB 15 0 NTNV



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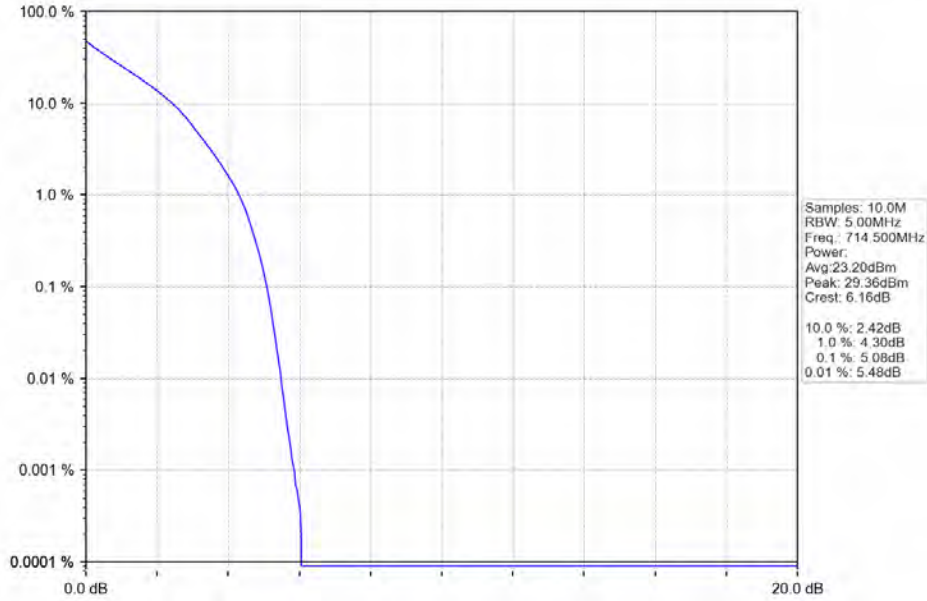
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



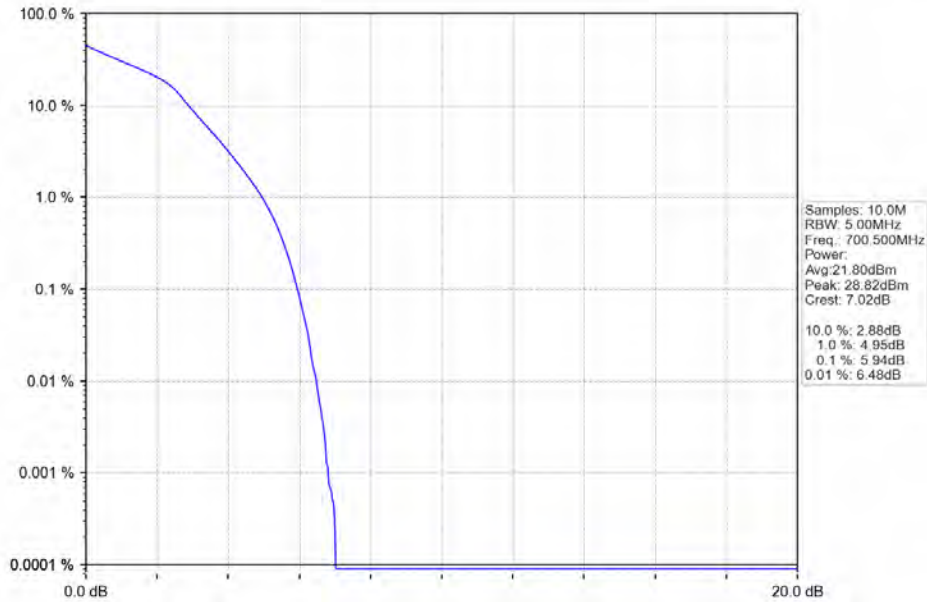
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 12 3MHz QPSK HCH 714.5MHz RB 15 0 NTVN



Band 12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTVN



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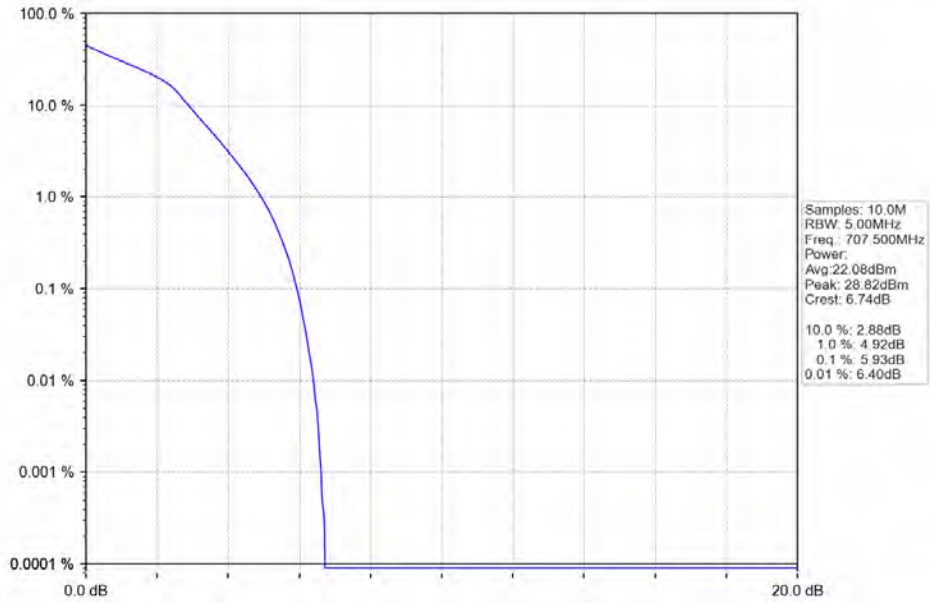
Fax: +86 755 8869 6577

Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)

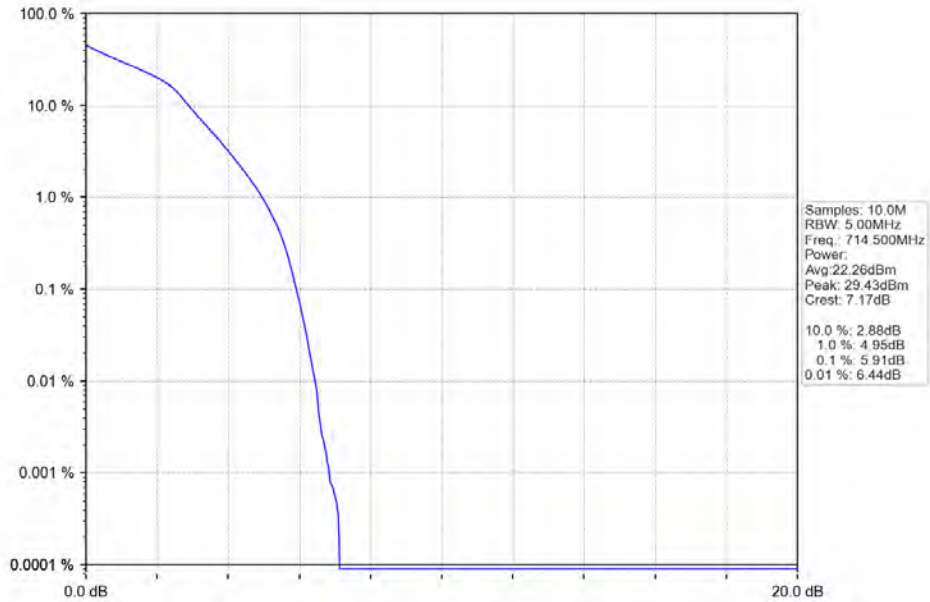




Band 12 3MHz 16QAM MCH 707.5MHz RB 15.0 NTNV



Band 12 3MHz 16QAM HCH 714.5MHz RB 15.0 NTNV

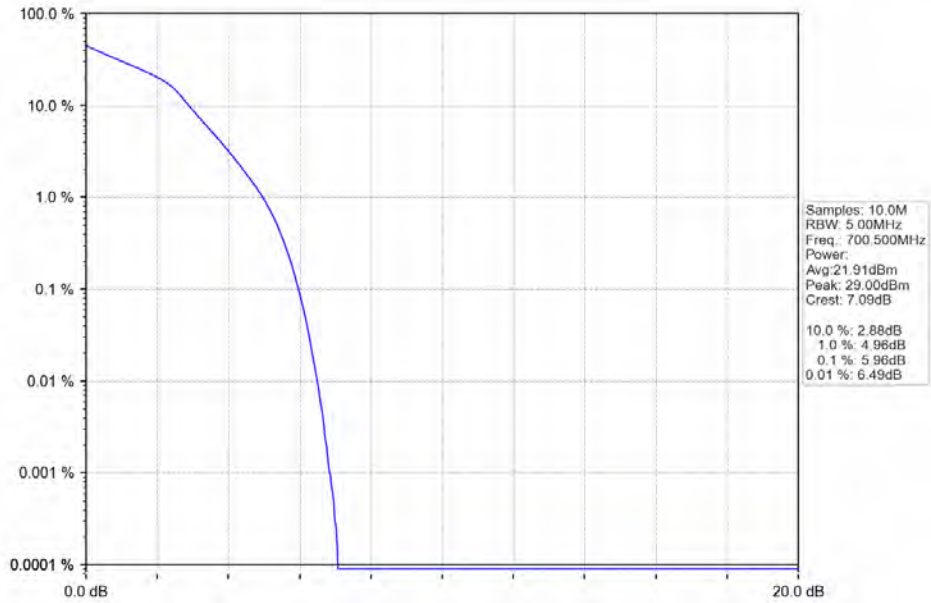




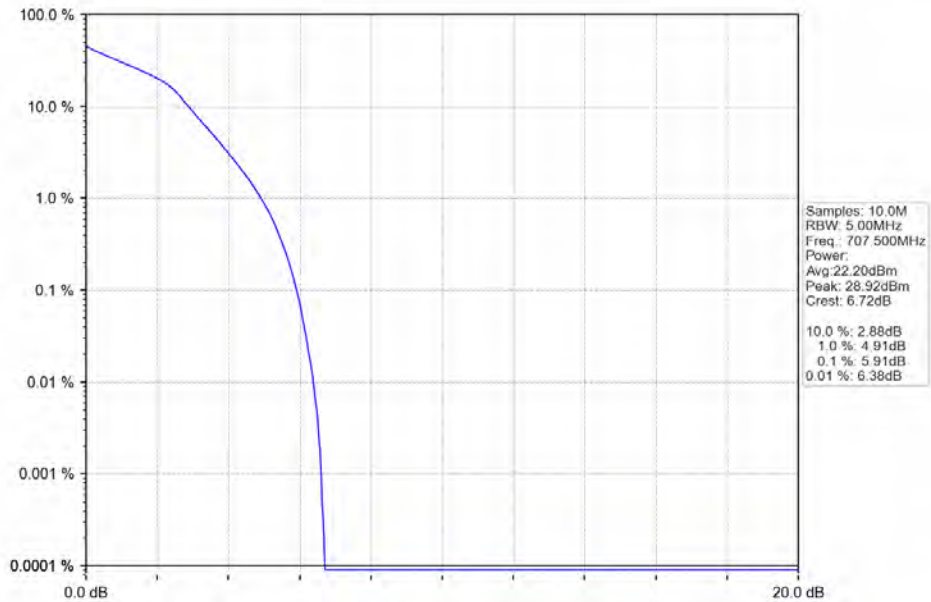
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 12 3MHz 64QAM LCH 700.5MHz RB 15\_0 NTN



Band 12\_3MHz\_64QAM\_MCH\_707.5MHz\_RB\_15\_0 NTN



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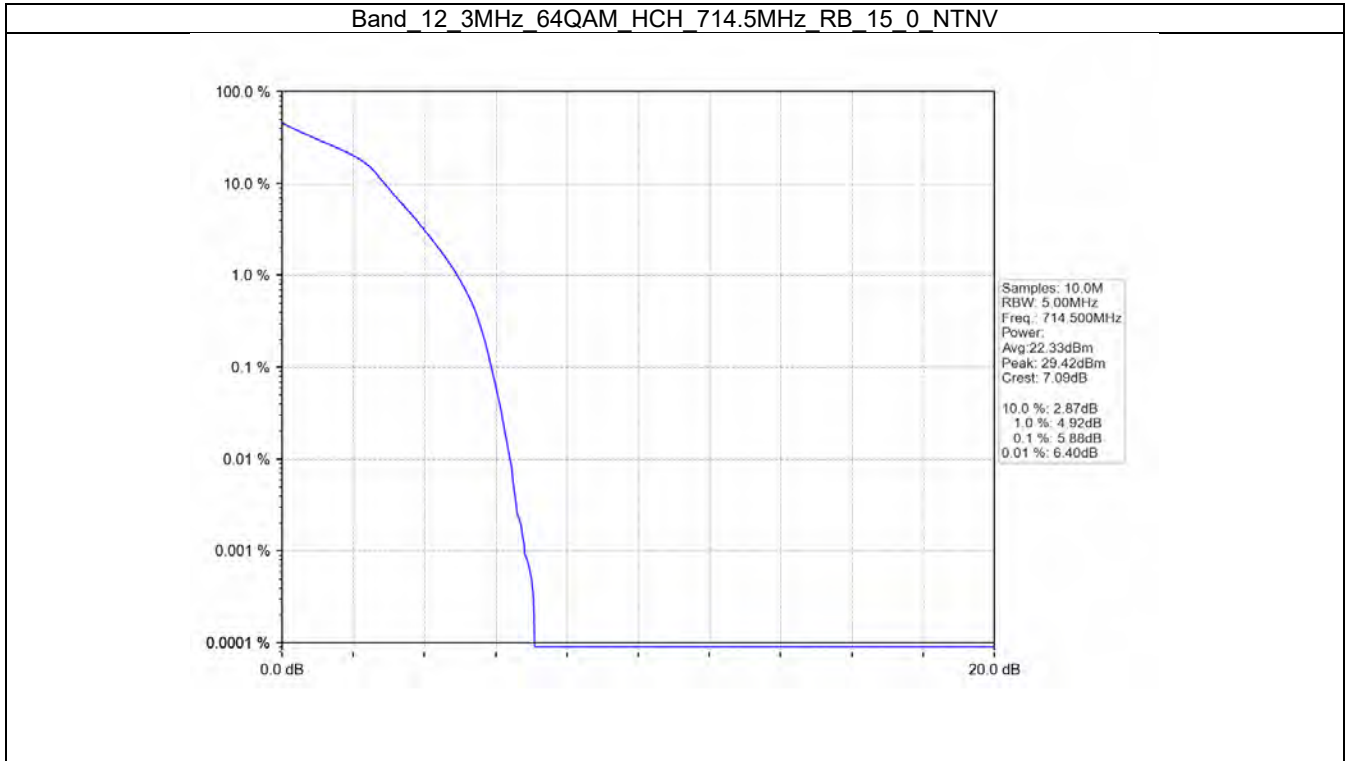
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**VERITAS**

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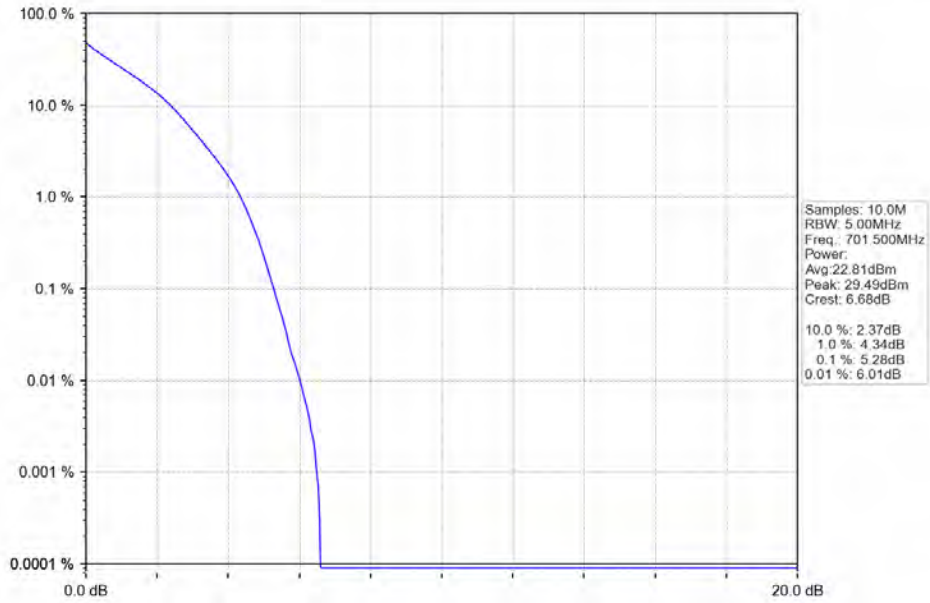
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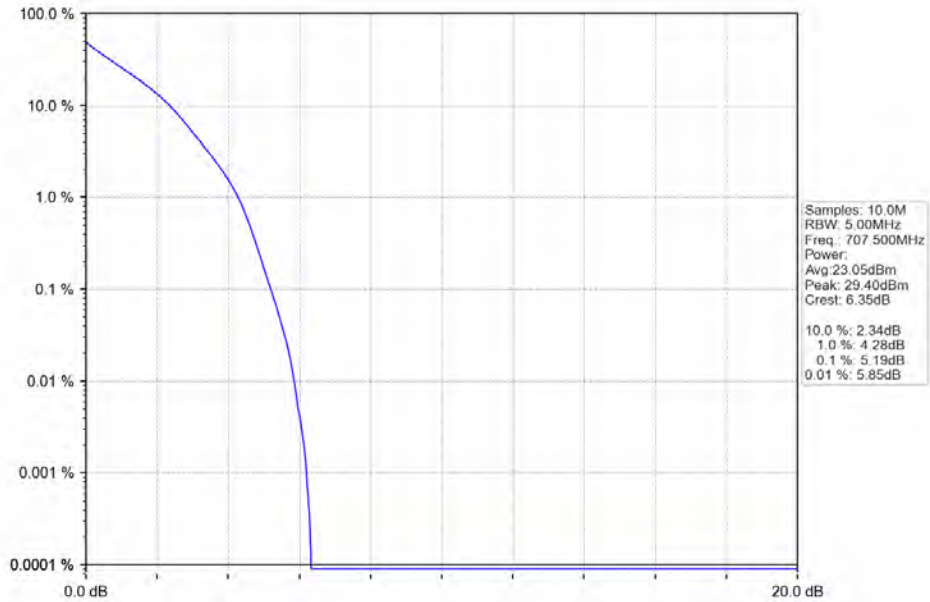
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**Band 12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV**

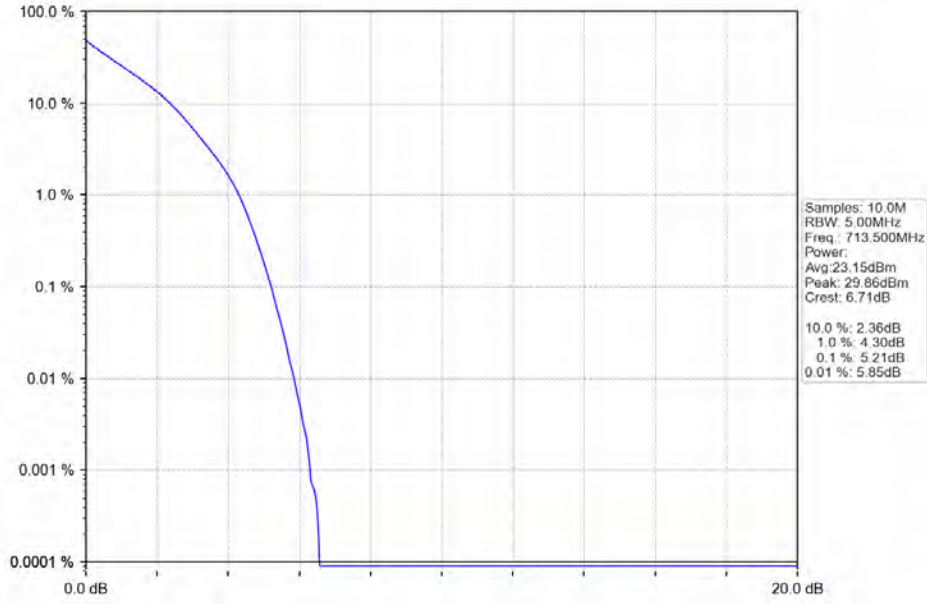


**Band 12 5MHz QPSK MCH 707.5MHz RB 25 0 NTNV**

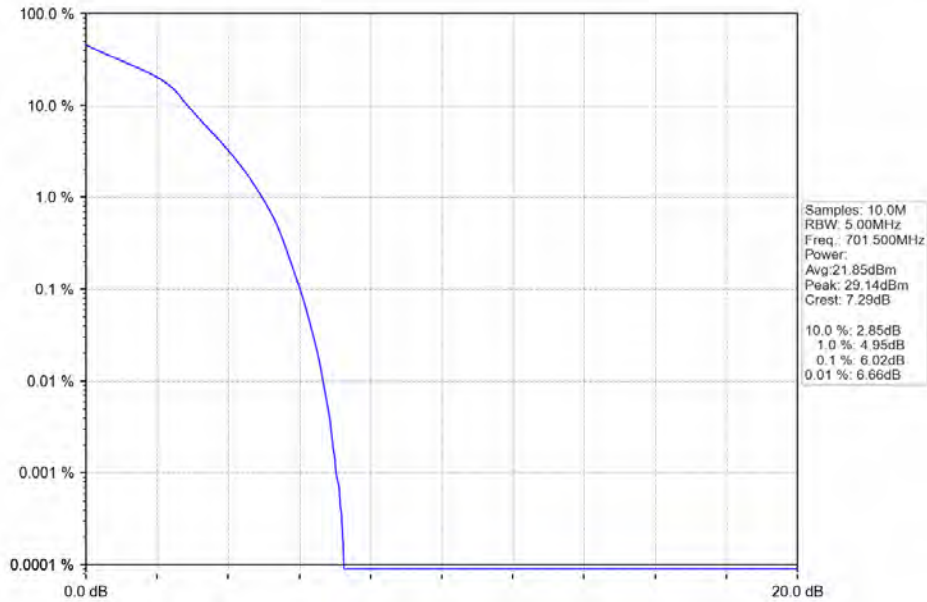


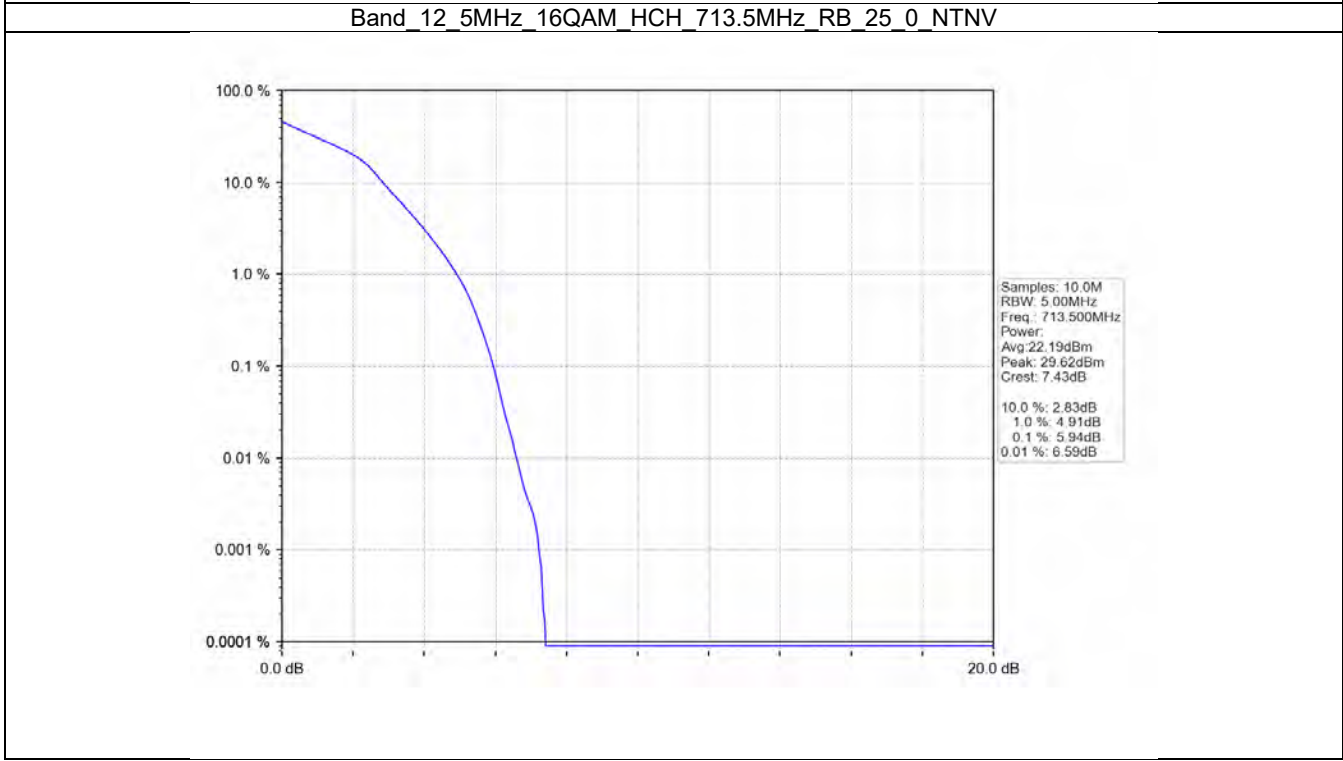
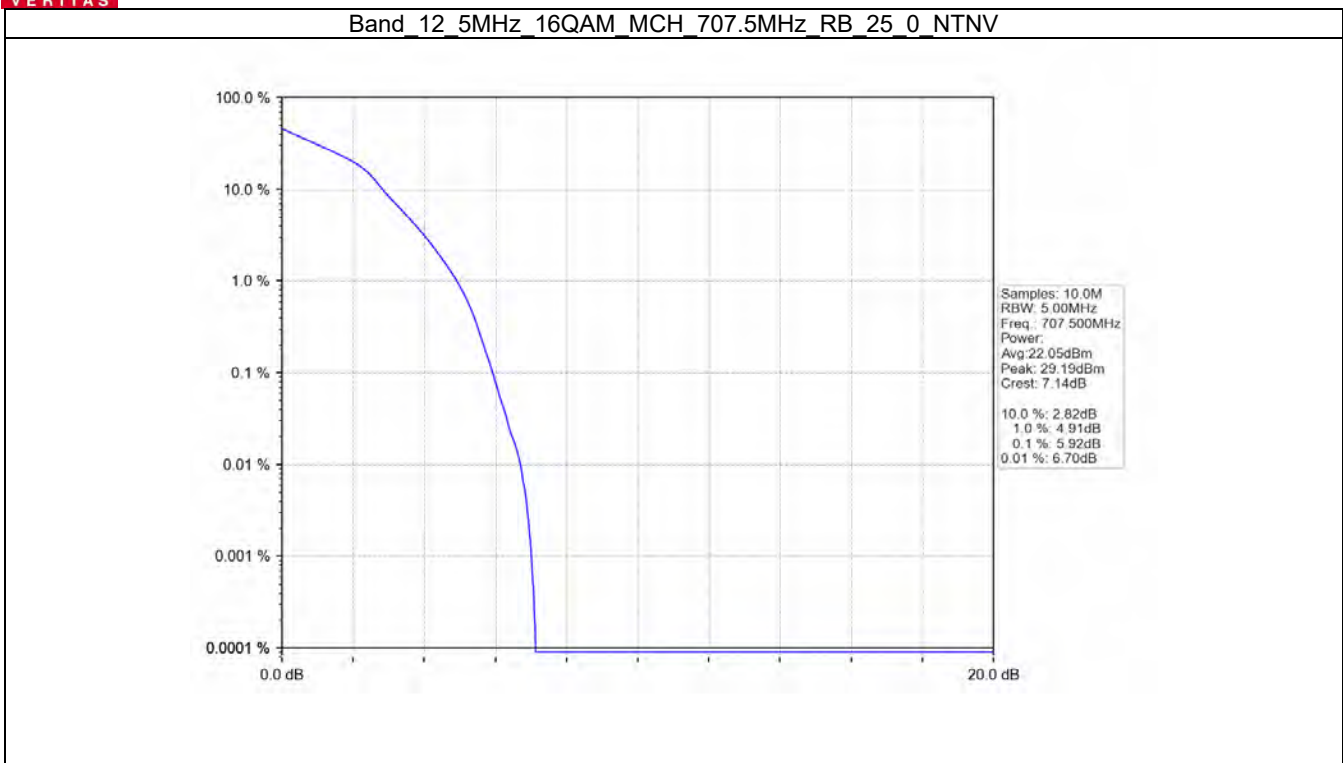


**Band 12 5MHz QPSK HCH 713.5MHz RB 25 0 NTN**



**Band 12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTN**



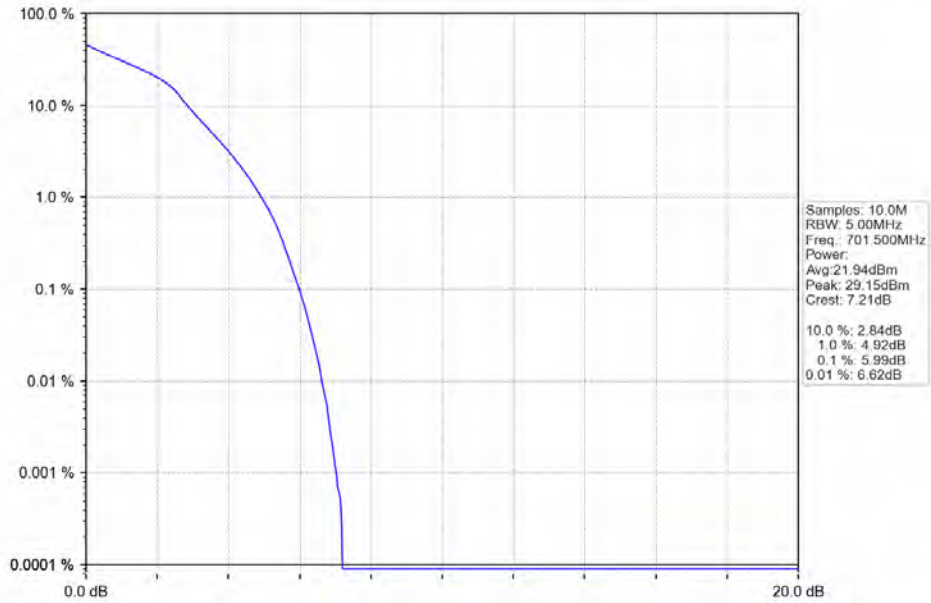




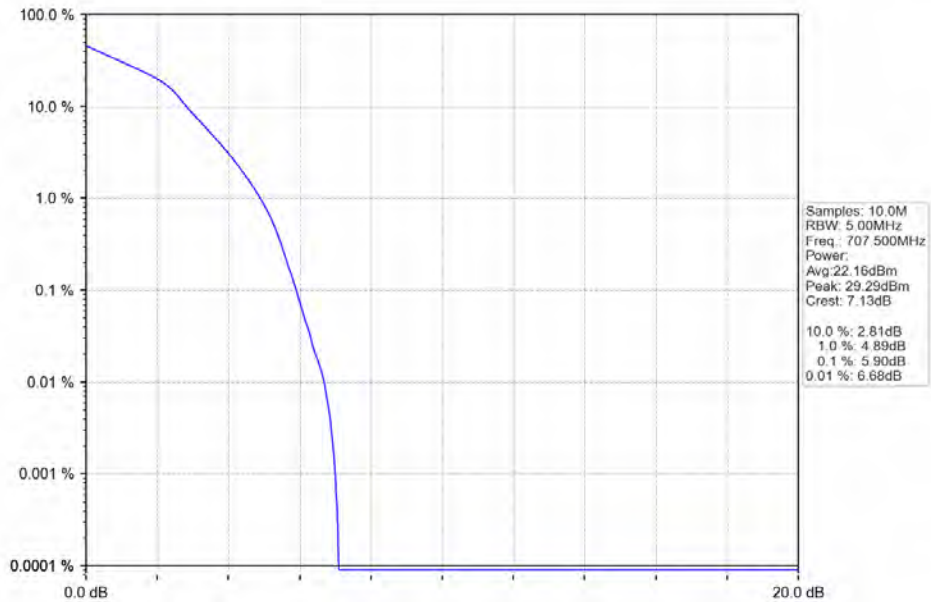
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 12 5MHz 64QAM LCH 701.5MHz RB 25\_0 NTN



Band 12 5MHz 64QAM MCH 707.5MHz RB 25\_0 NTN



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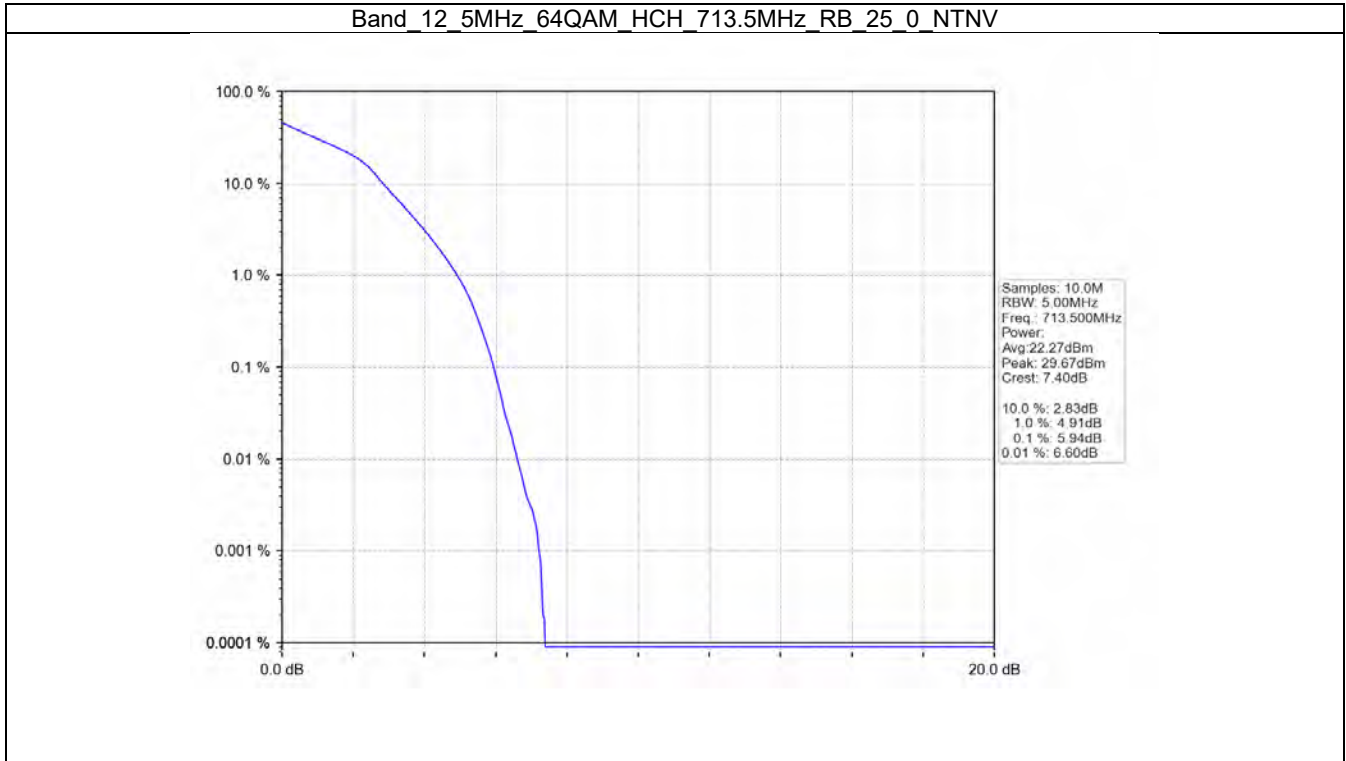
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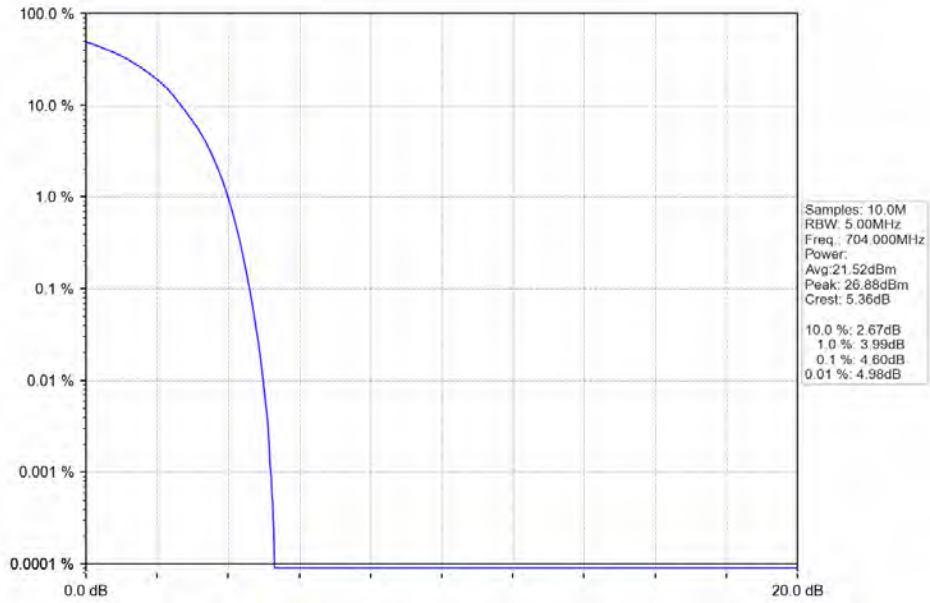
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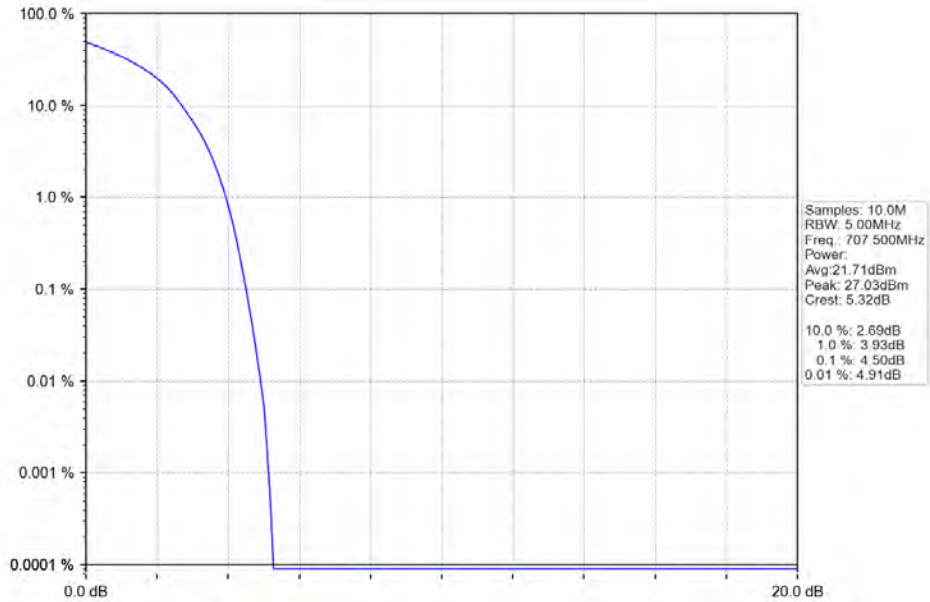


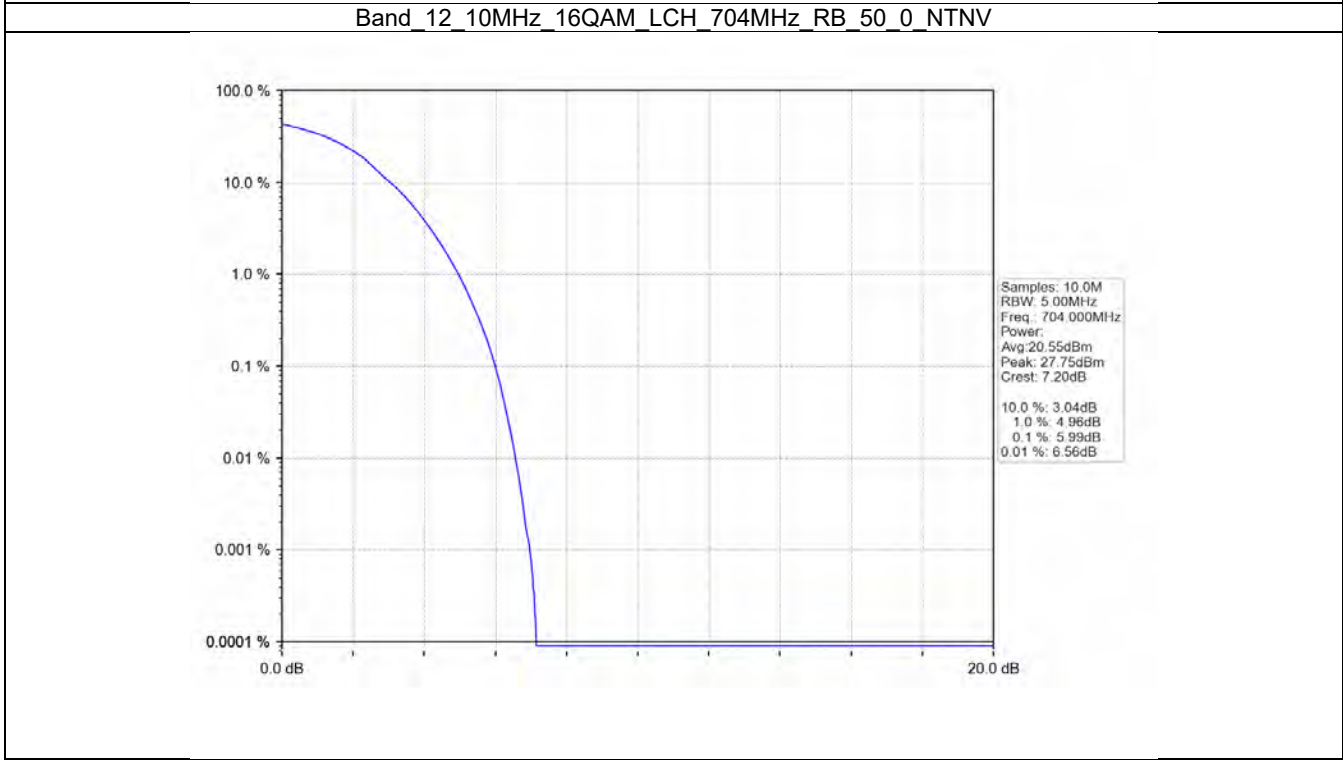
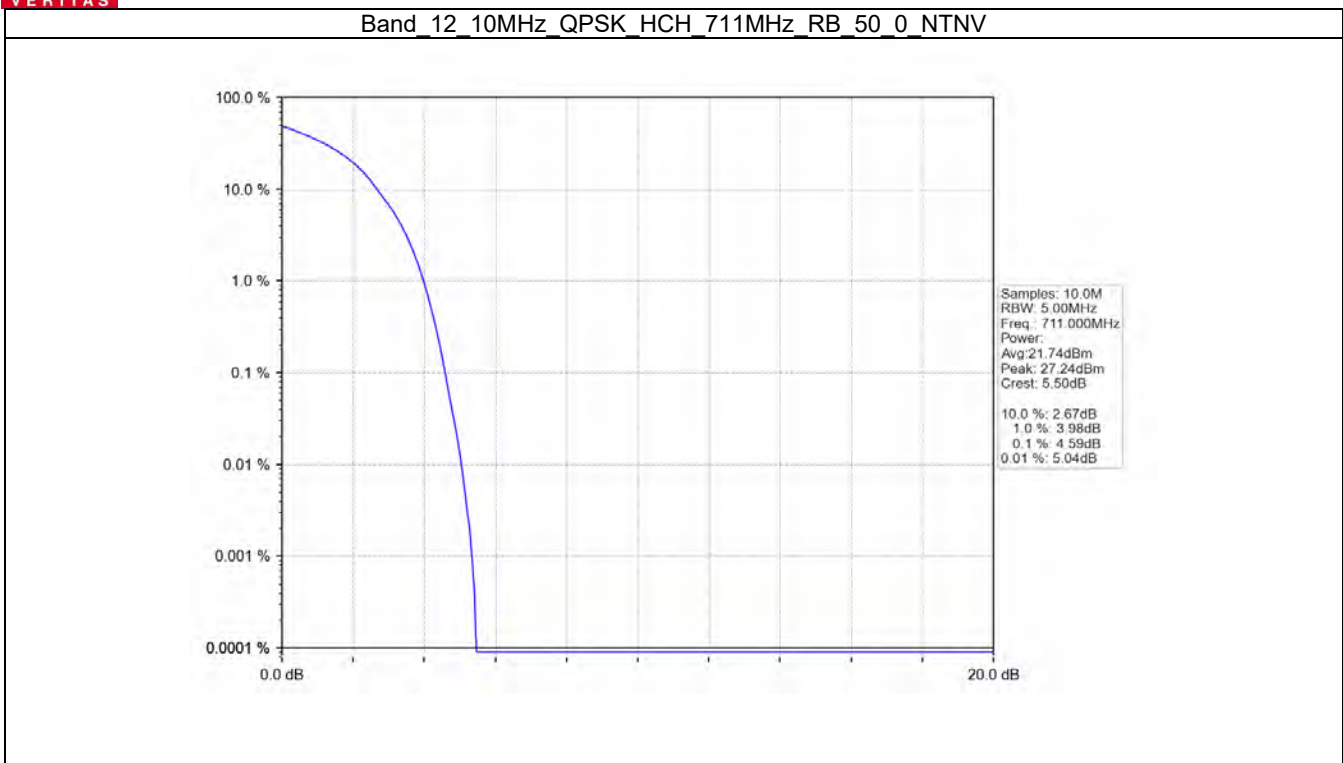


**Band 12 10MHz QPSK LCH 704MHz RB 50 0 NTN**



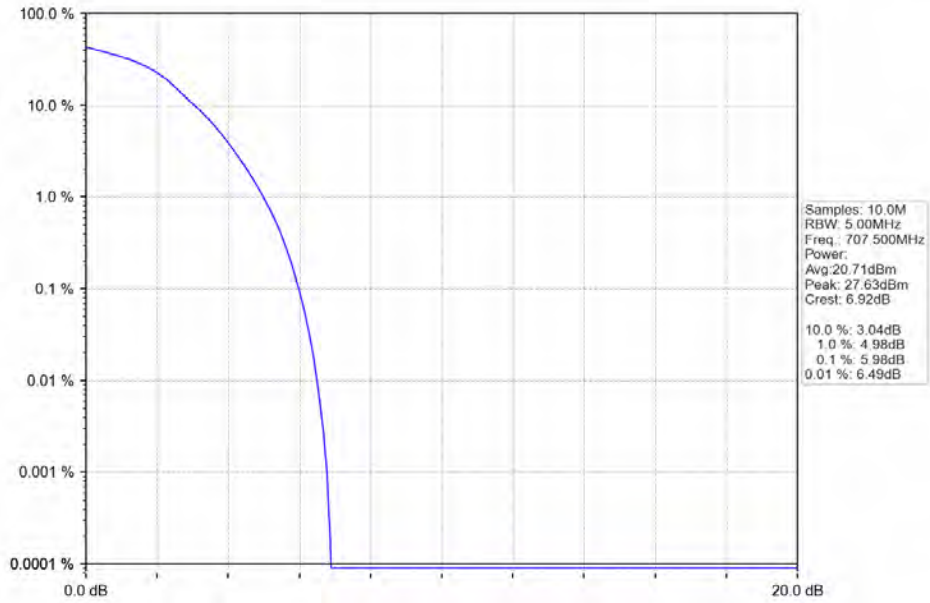
**Band 12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN**



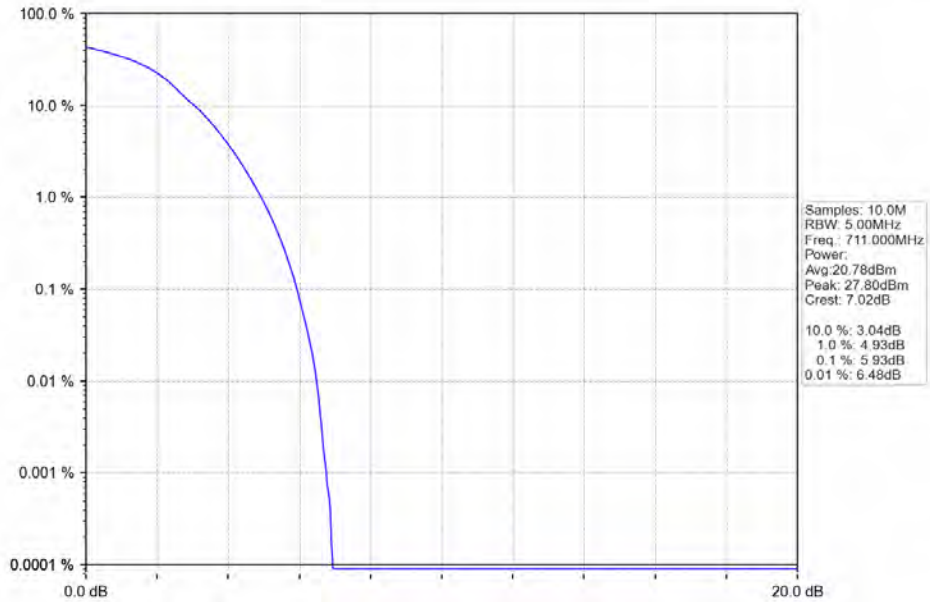




Band 12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTV

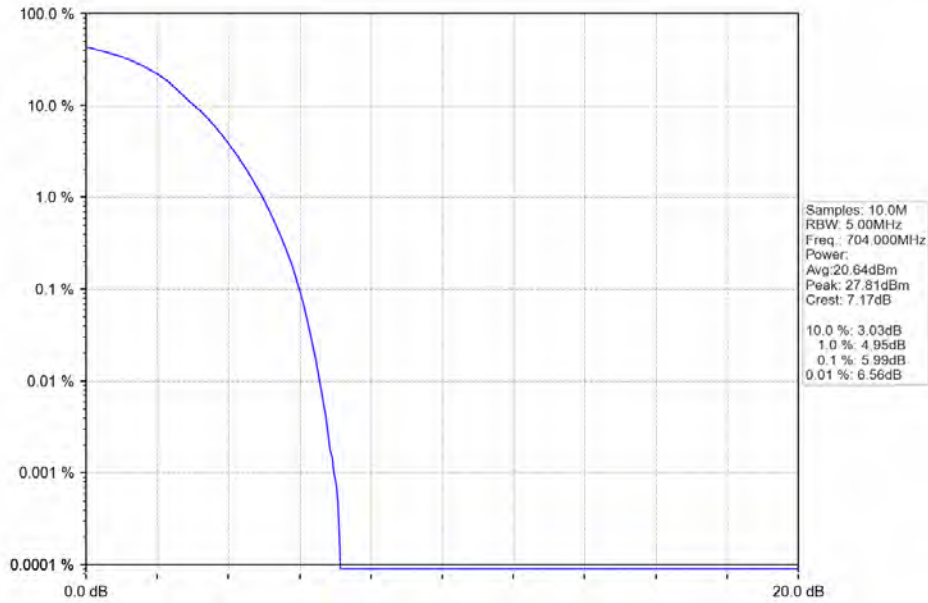


Band 12 10MHz 16QAM HCH 711MHz RB 50 0 NTV

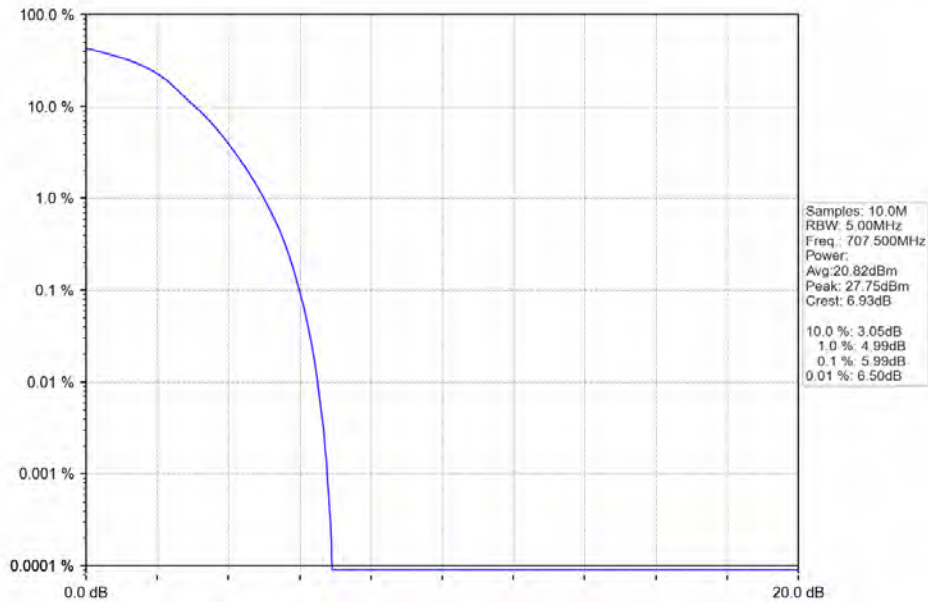




Band\_12\_10MHz\_64QAM\_LCH\_704MHz\_RB\_50\_0\_NTNV



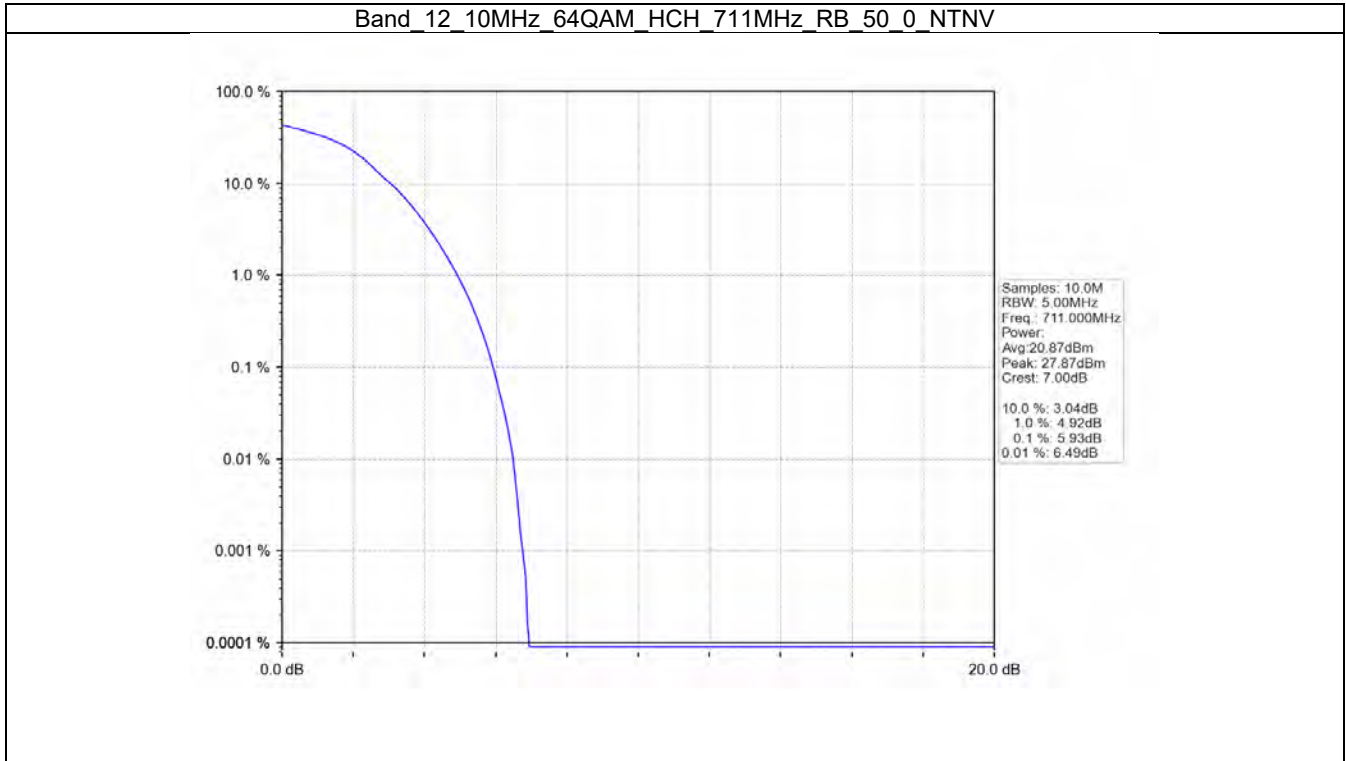
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**Test Report No.: W7L-P20210616-3RF03**



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### 3.4 LTE Band 13

#### 3.4.1 Test Result

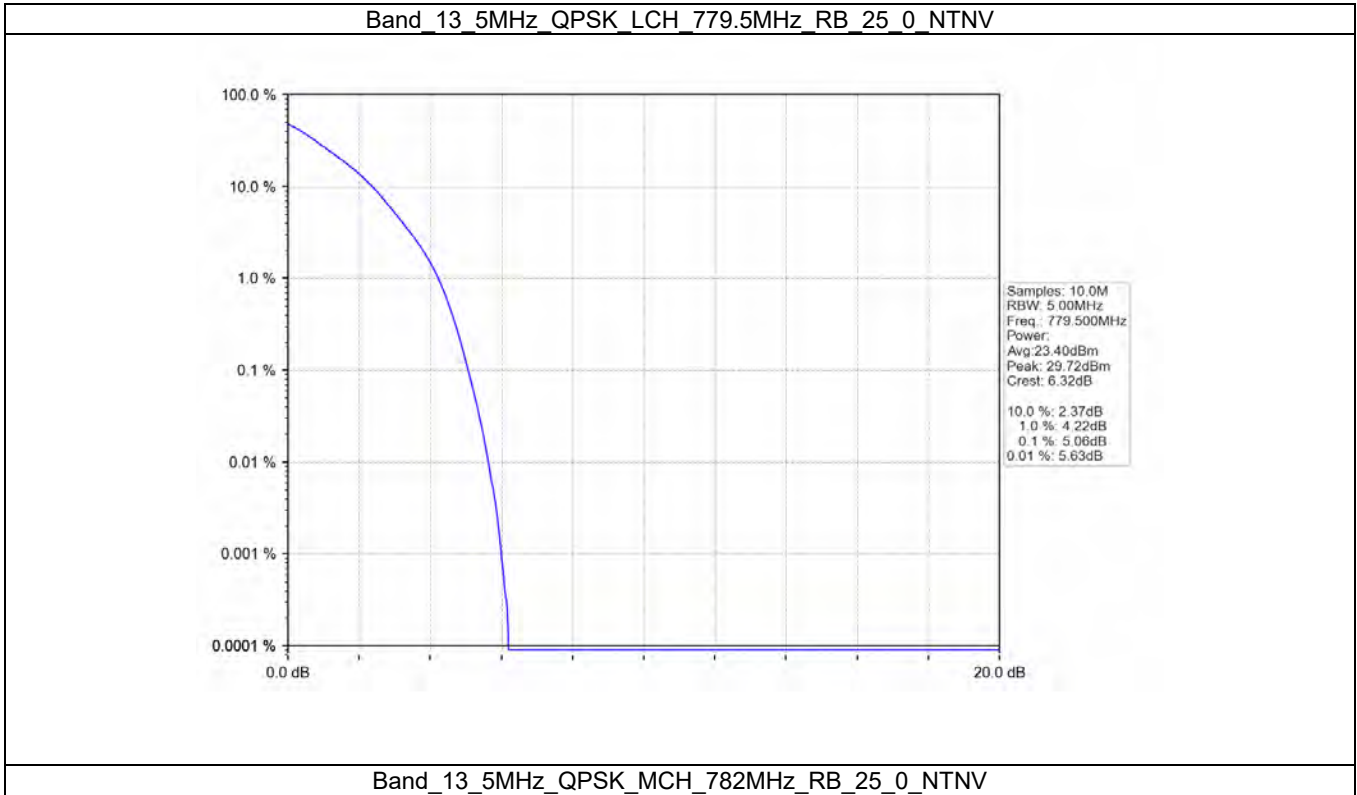
Band: 13 / Bandwidth: 5MHz / NTNV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	25	0	5.06	5.39	5.43	<=13	Pass
16QAM	25	0	5.97	6.11	6.11	<=13	Pass
64QAM	25	0	6.00	6.02	6.14	<=13	Pass

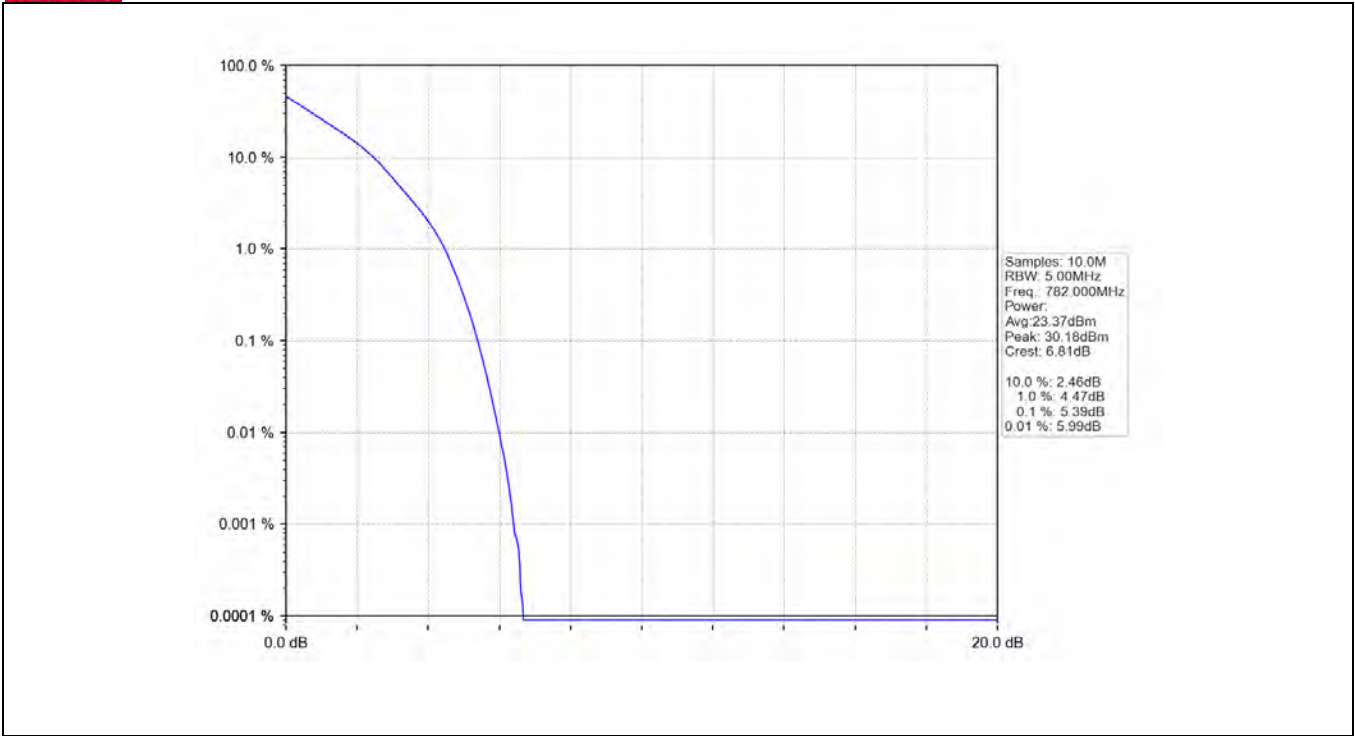
  

Band: 13 / Bandwidth: 10MHz / NTNV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	50	0	/	4.68	/	<=13	Pass
16QAM	50	0	/	6.10	/	<=13	Pass
64QAM	50	0	/	6.07	/	<=13	Pass



### 3.4.2 Test Graph





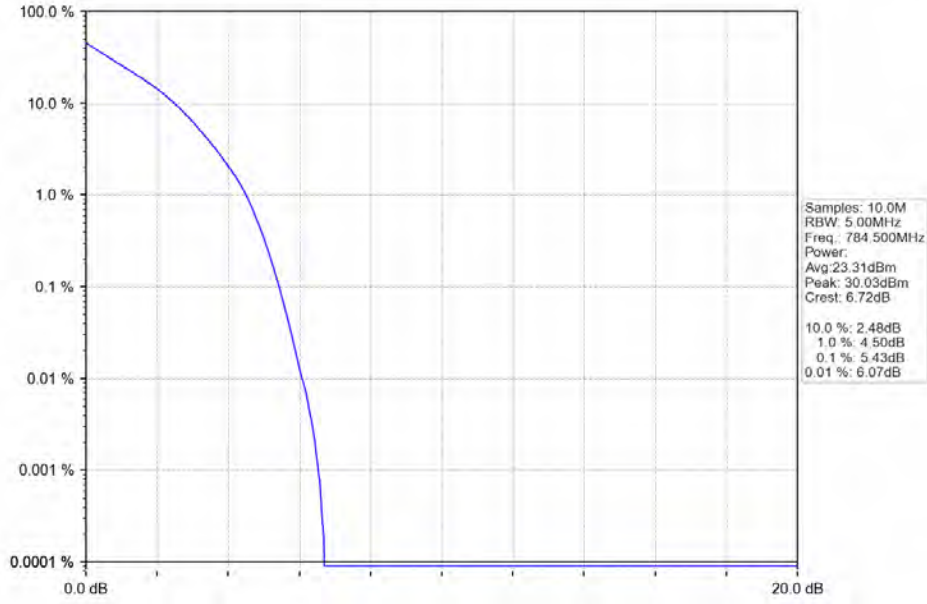




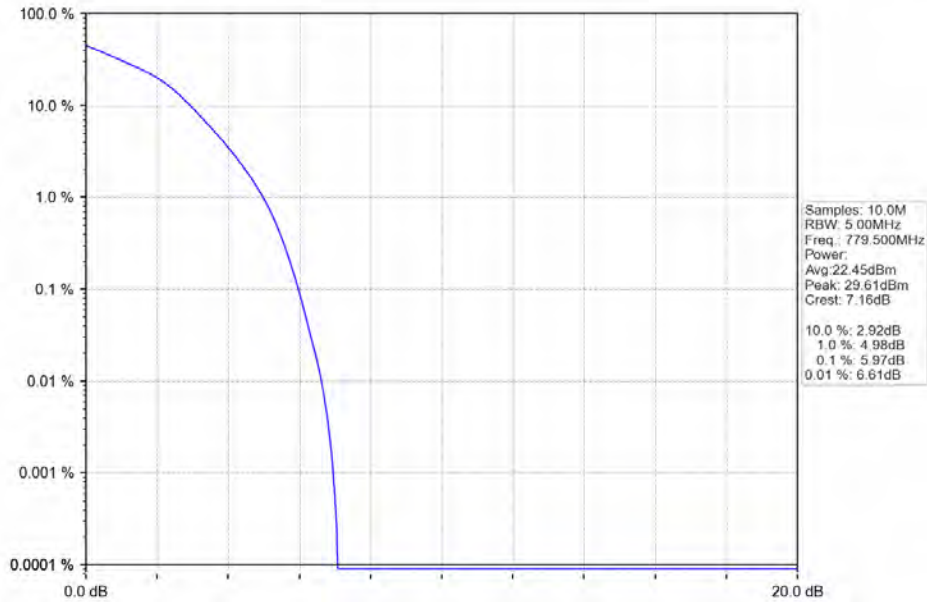
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 13 5MHz QPSK HCH 784.5MHz RB 25 0 NTNV



Band 13 5MHz 16QAM LCH 779.5MHz RB 25 0 NTNV



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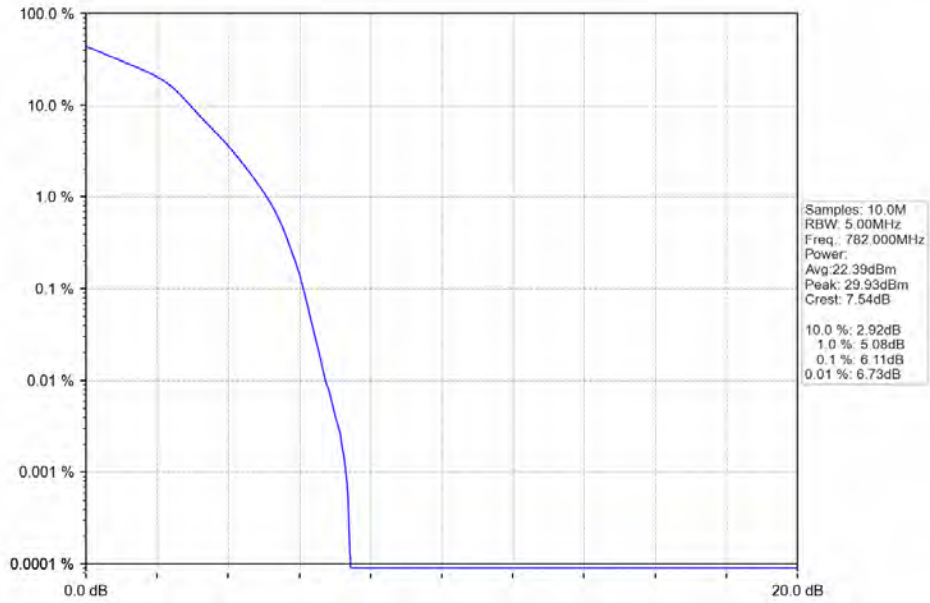
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



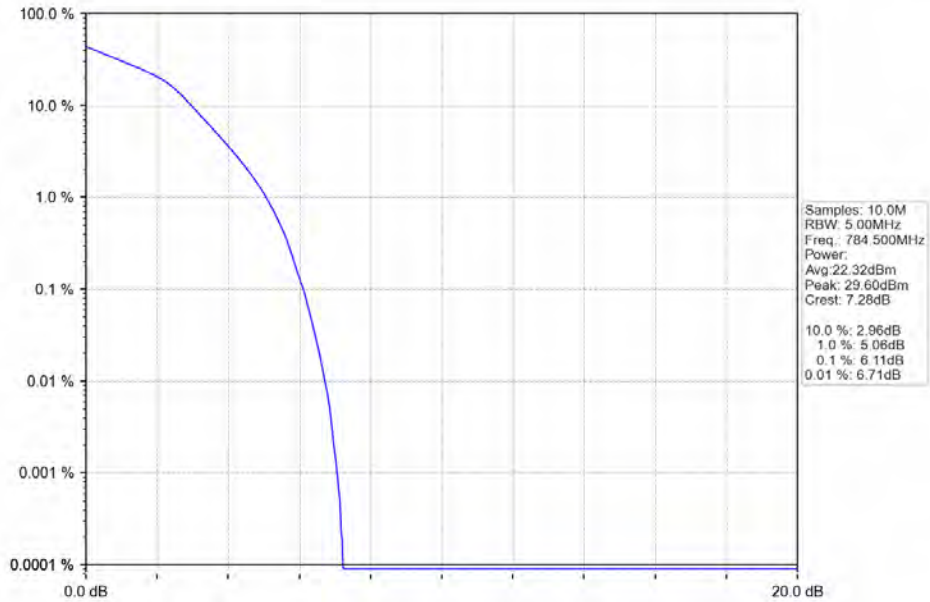
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 13 5MHz 16QAM MCH 782MHz RB 25 0 NTN



Band 13 5MHz 16QAM HCH 784.5MHz RB 25 0 NTN



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Technology (Shenzhen) Co. Ltd

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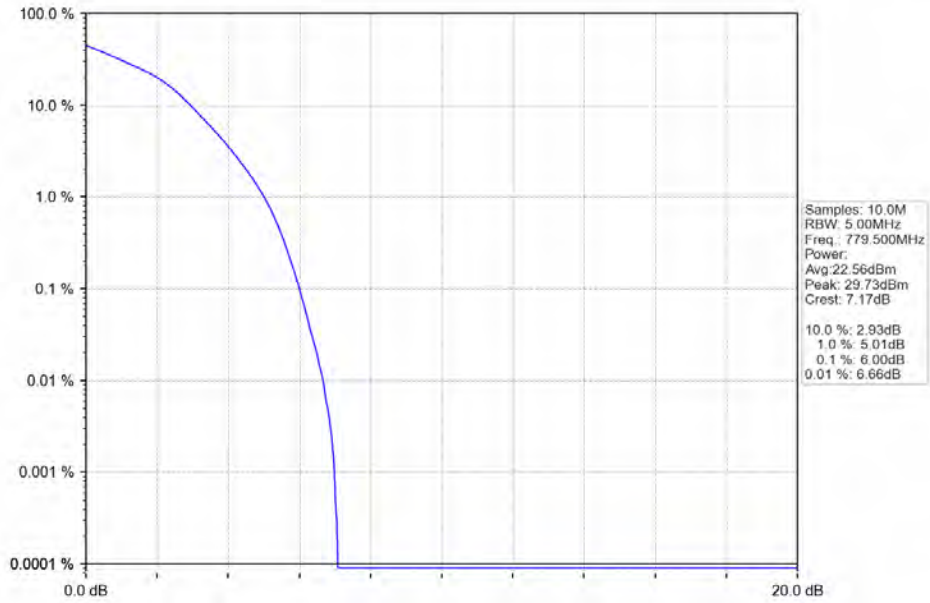
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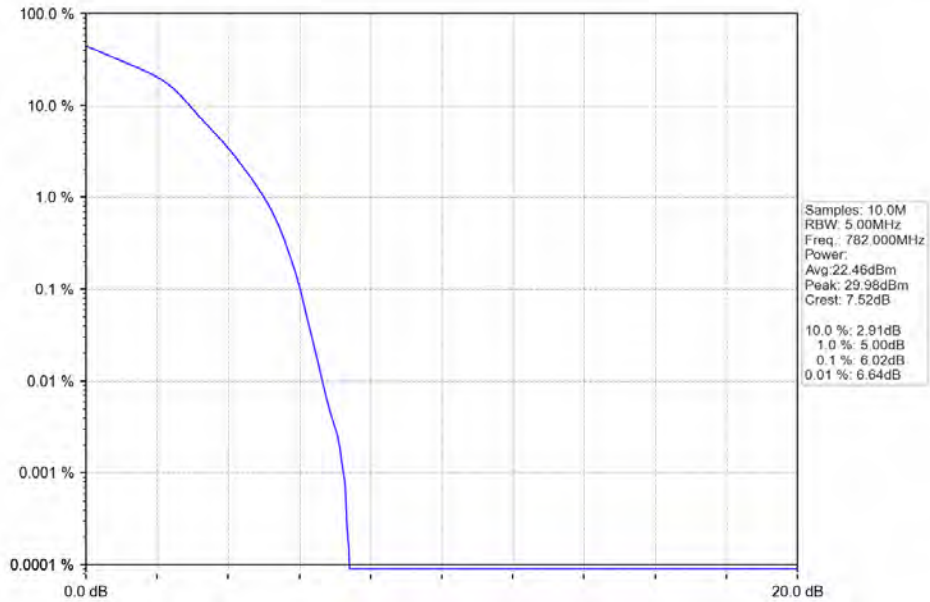
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 13 5MHz 64QAM LCH 779.5MHz RB 25 0 NTNV



Band 13 5MHz 64QAM MCH 782MHz RB 25 0 NTNV



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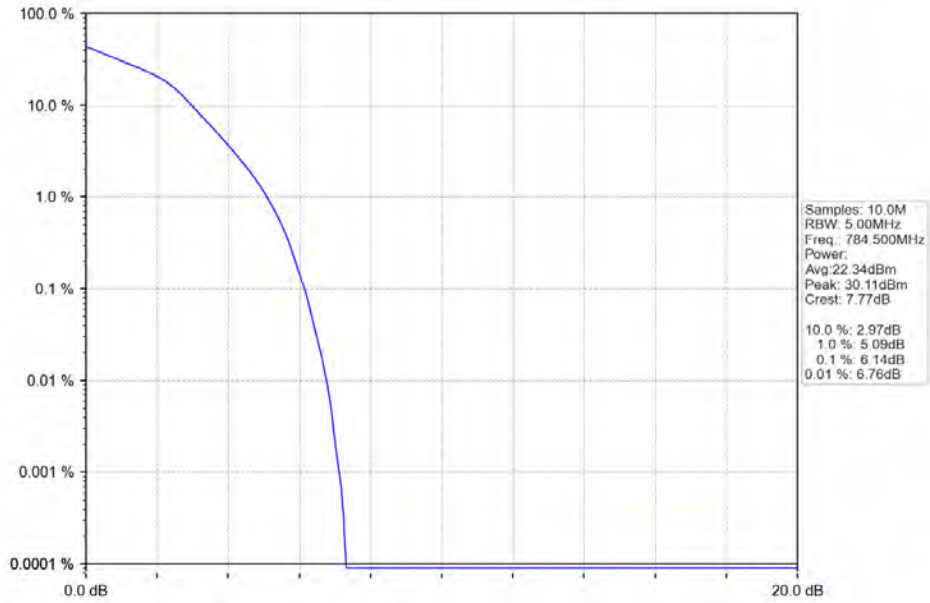
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**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 13 5MHz 64QAM HCH 784.5MHz RB 25.0 NTNV



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District, Shenzhen, Guangdong, China

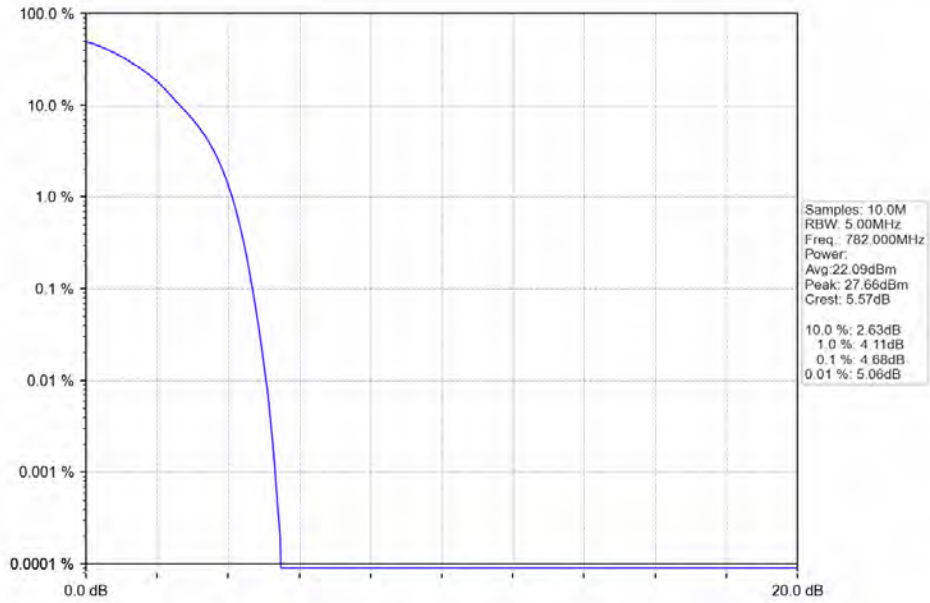
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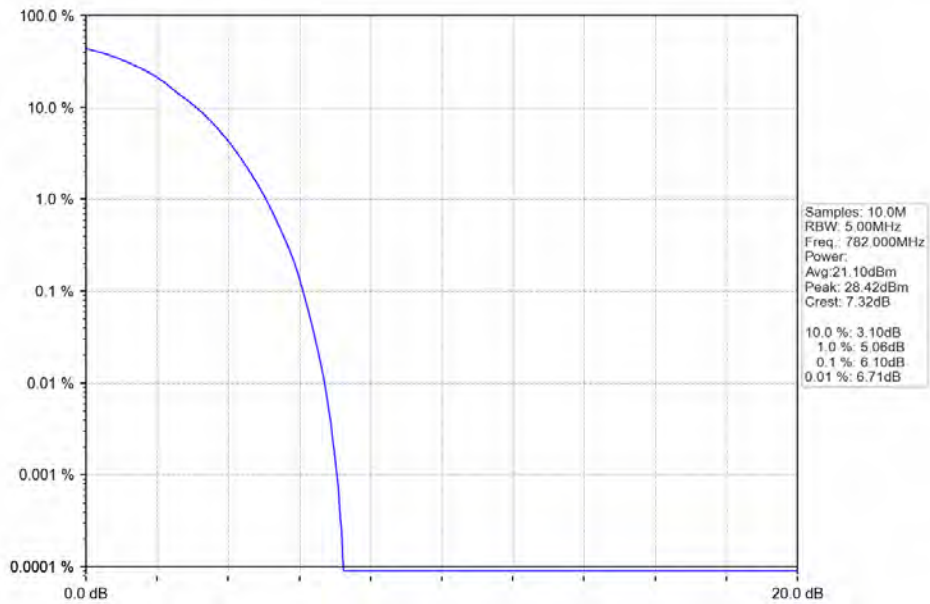
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**Band 13 10MHz QPSK MCH 782MHz RB 50 0 NTV**

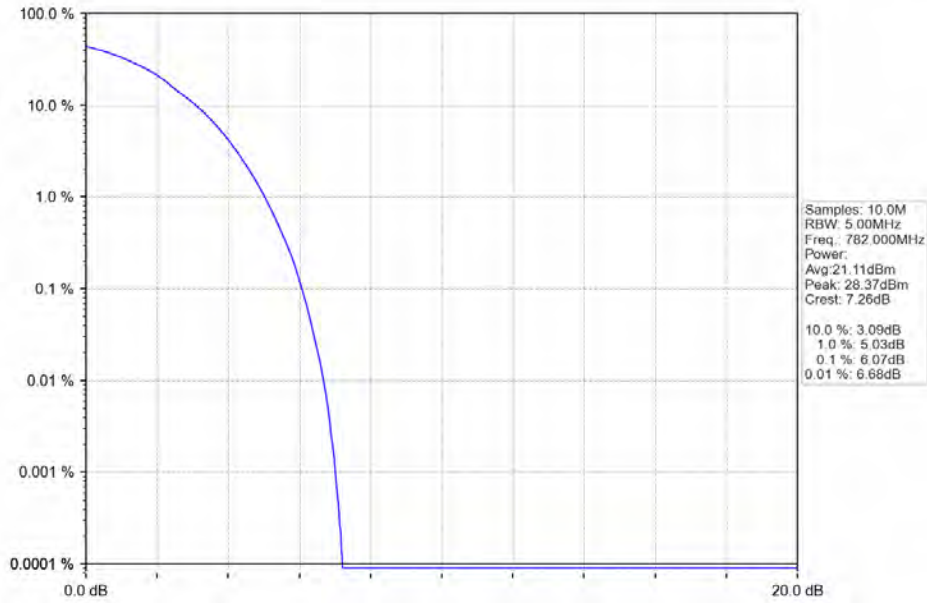


**Band 13 10MHz 16QAM MCH 782MHz RB 50 0 NTV**





Band 13 10MHz 64QAM MCH 782MHz RB 50 0 NTVN



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### 3.6 LTE Band 17

#### 3.6.1 Test Result

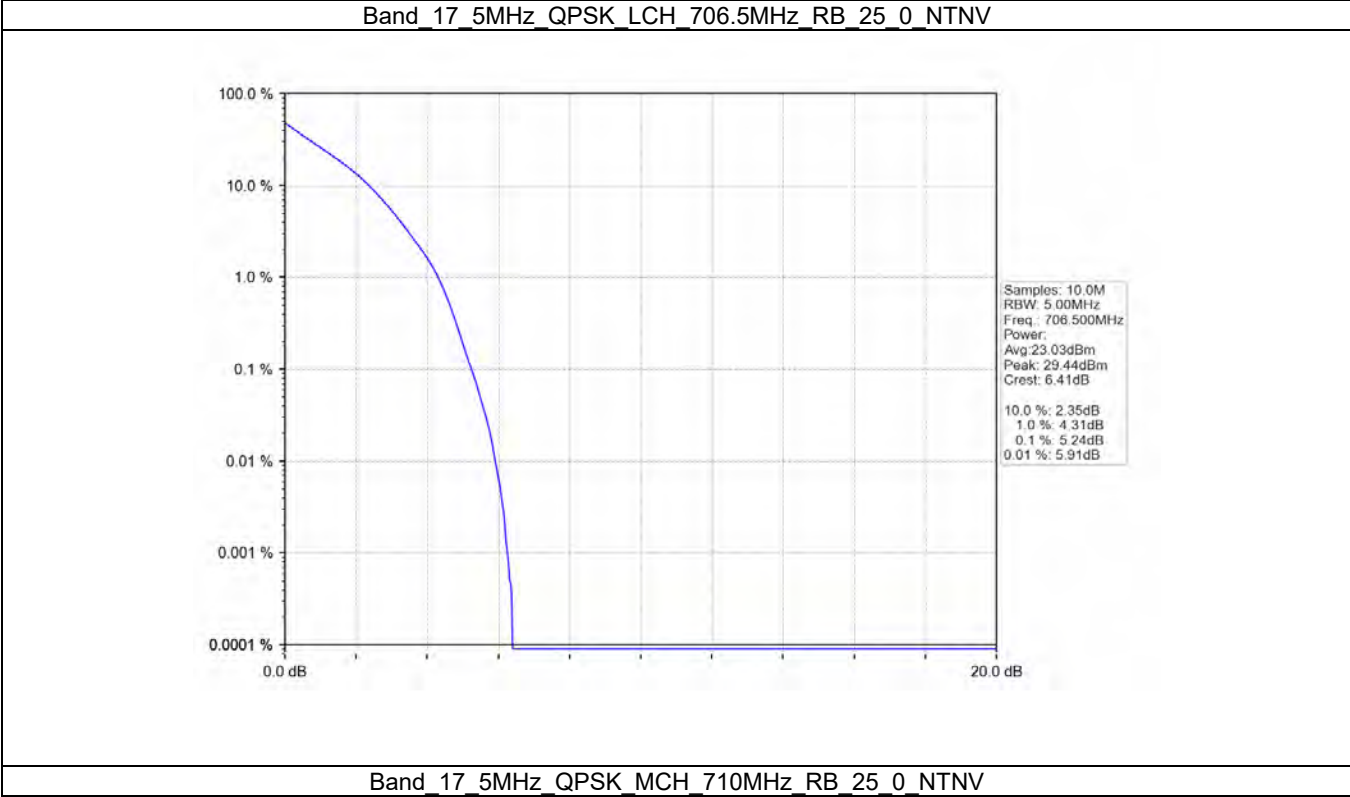
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Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	25	0	5.24	5.24	5.22	<=13	Pass
16QAM	25	0	5.96	5.97	5.93	<=13	Pass
64QAM	25	0	5.97	5.95	5.93	<=13	Pass

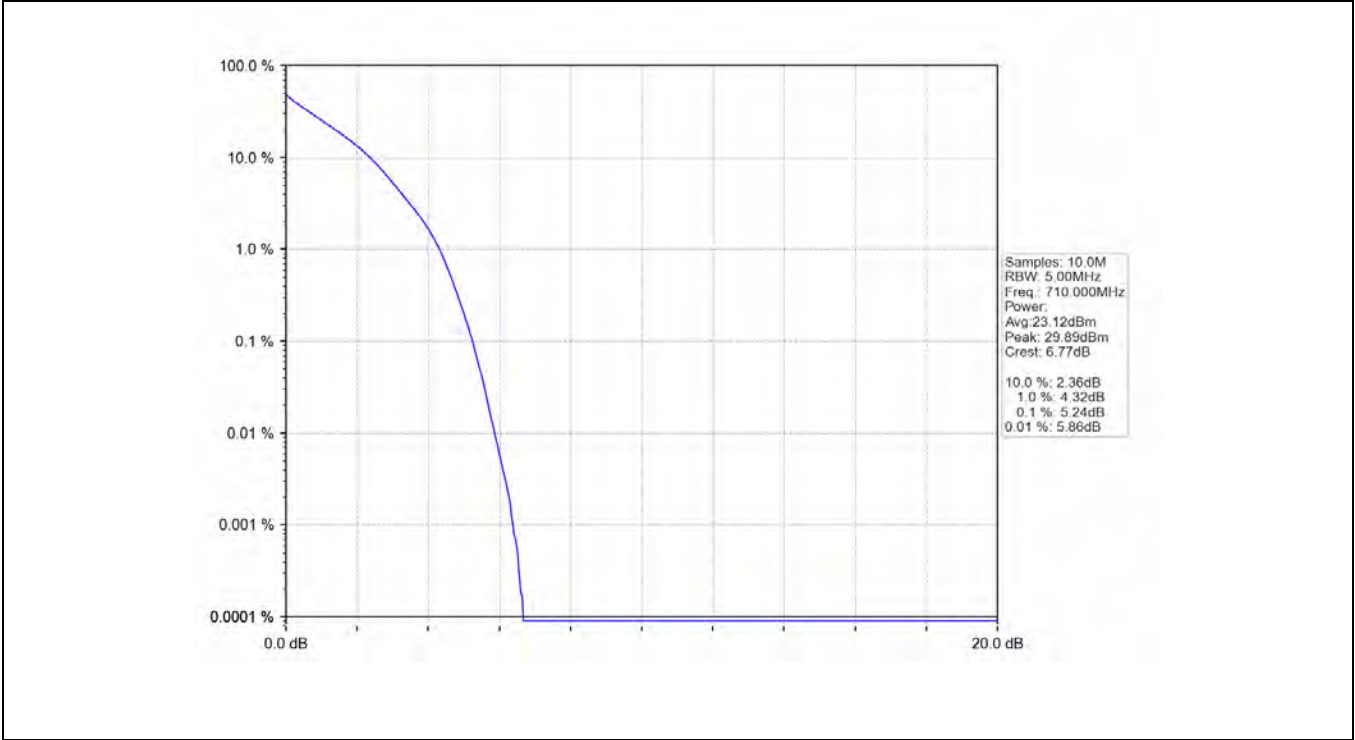
Band: 17 / Bandwidth: 10MHz / NTNV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	50	0	4.59	4.54	4.58	<=13	Pass
16QAM	50	0	6.00	5.97	5.92	<=13	Pass
64QAM	50	0	6.00	5.97	5.92	<=13	Pass



**VERITAS**  
3.6.2 Test Graph







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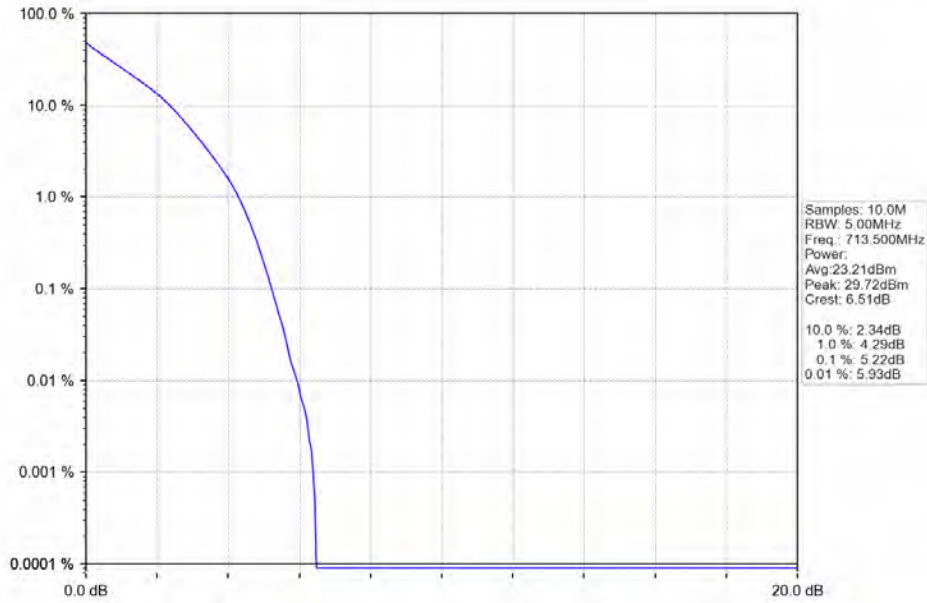
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Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



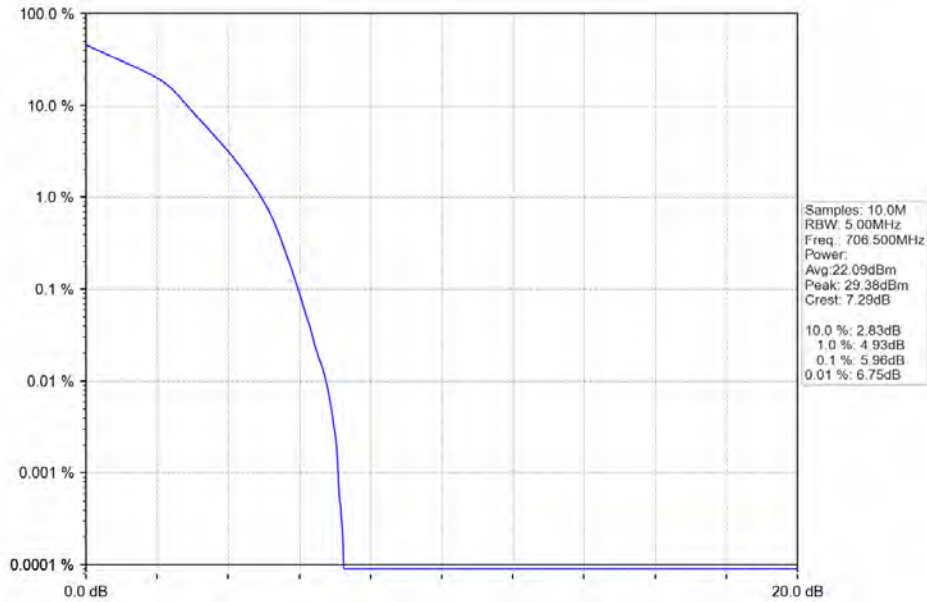
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 17 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



Band 17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTNV



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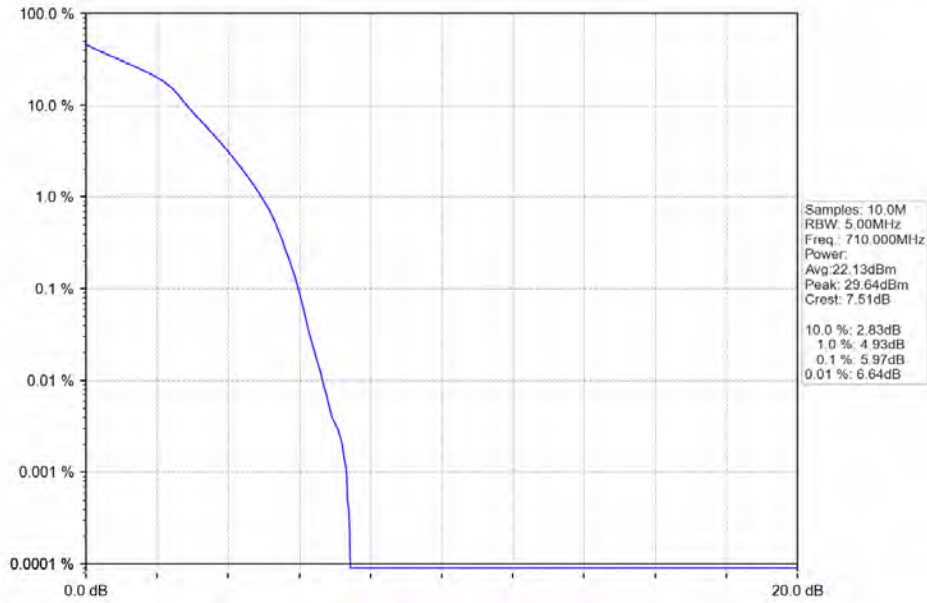
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Fax: +86 755 8869 6577

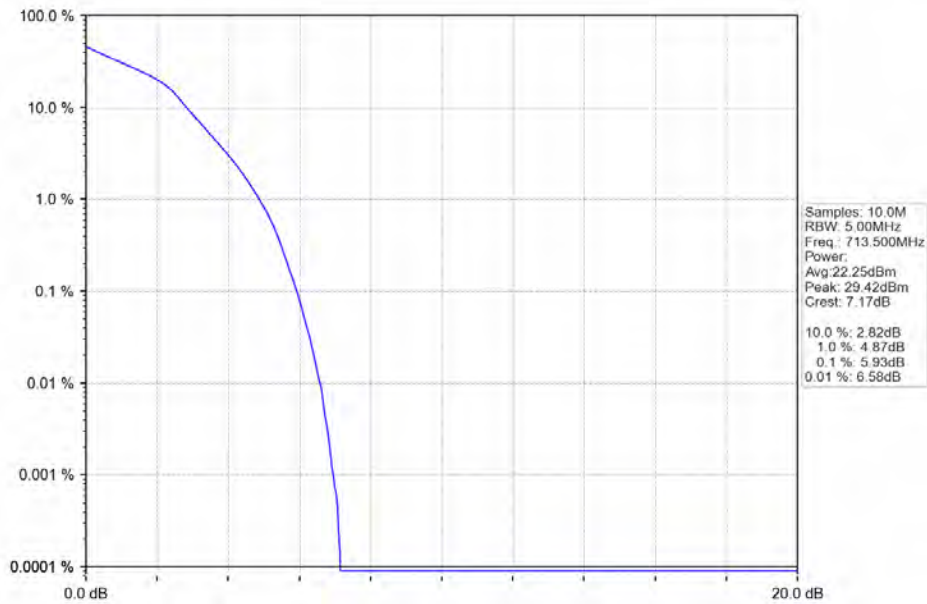
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)

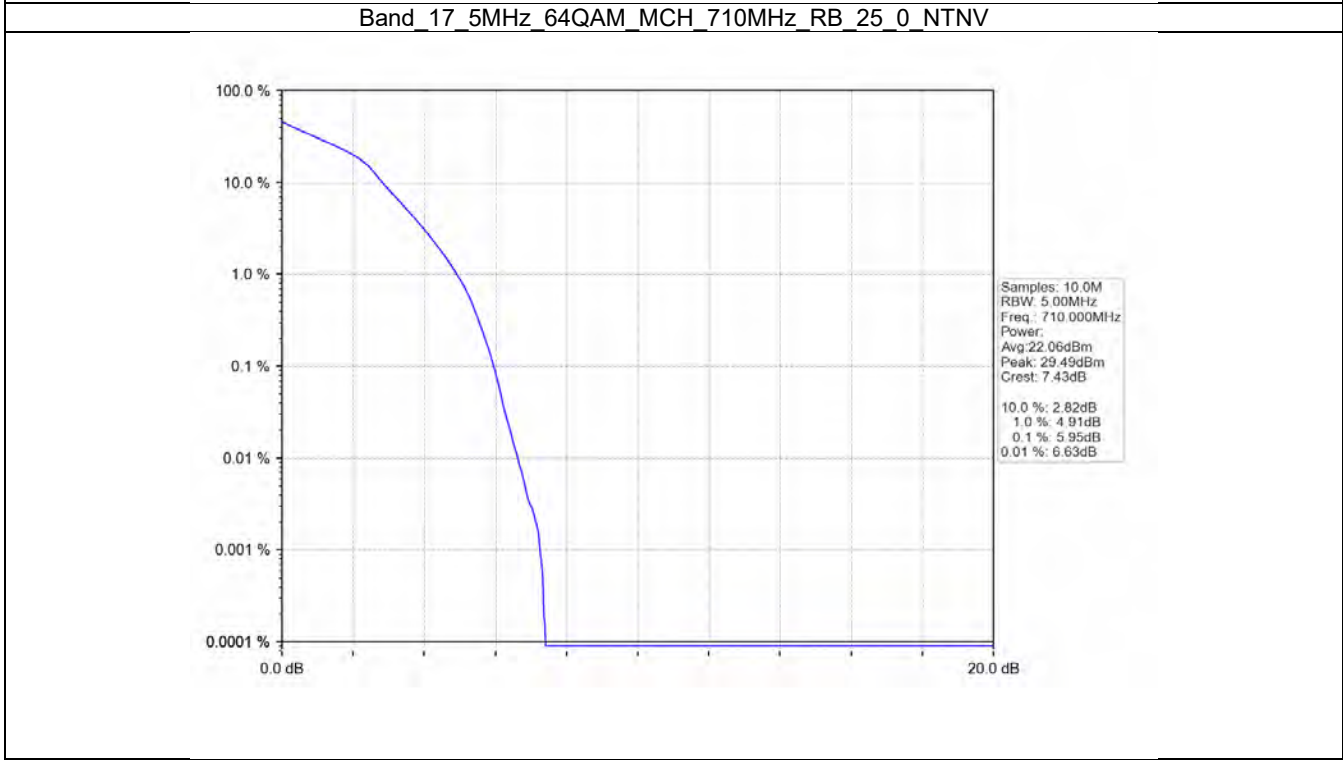
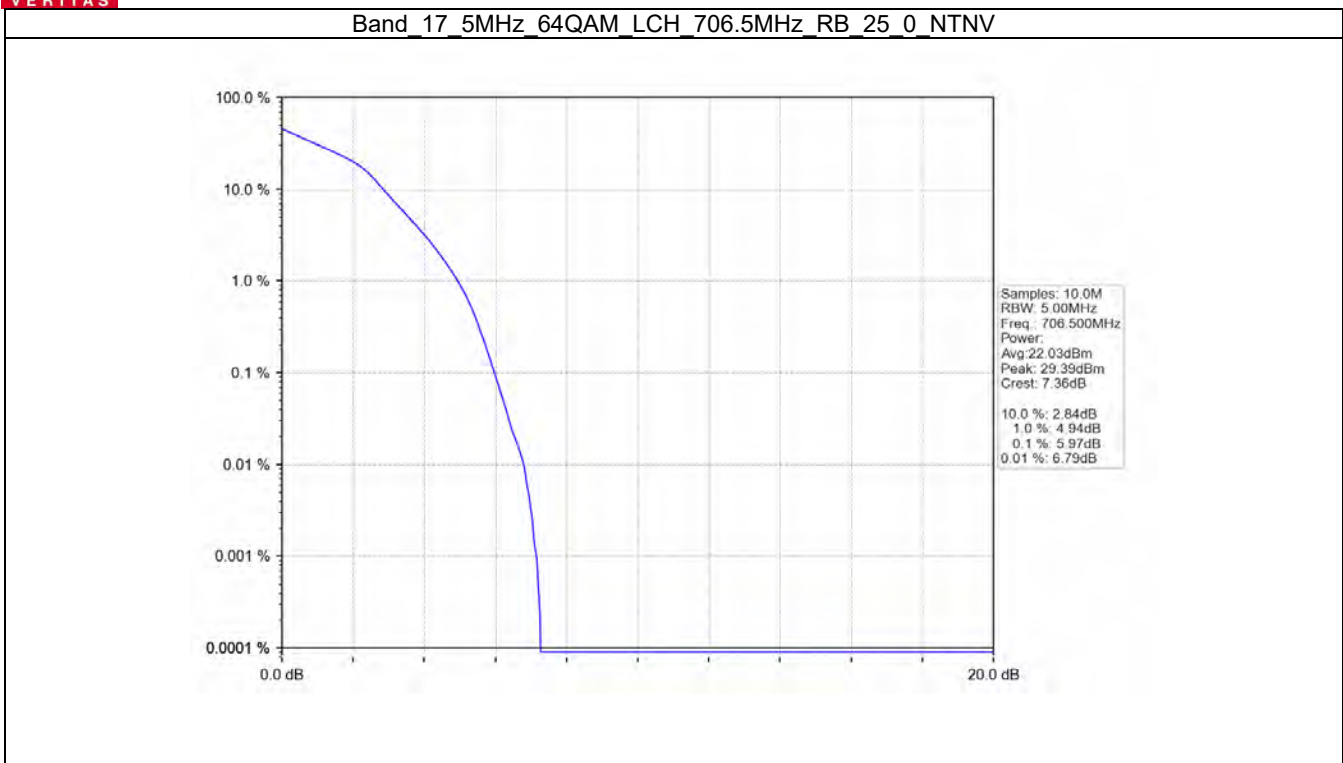


Band 17\_5MHz\_16QAM\_MCH\_710MHz\_RB\_25\_0\_NTNV



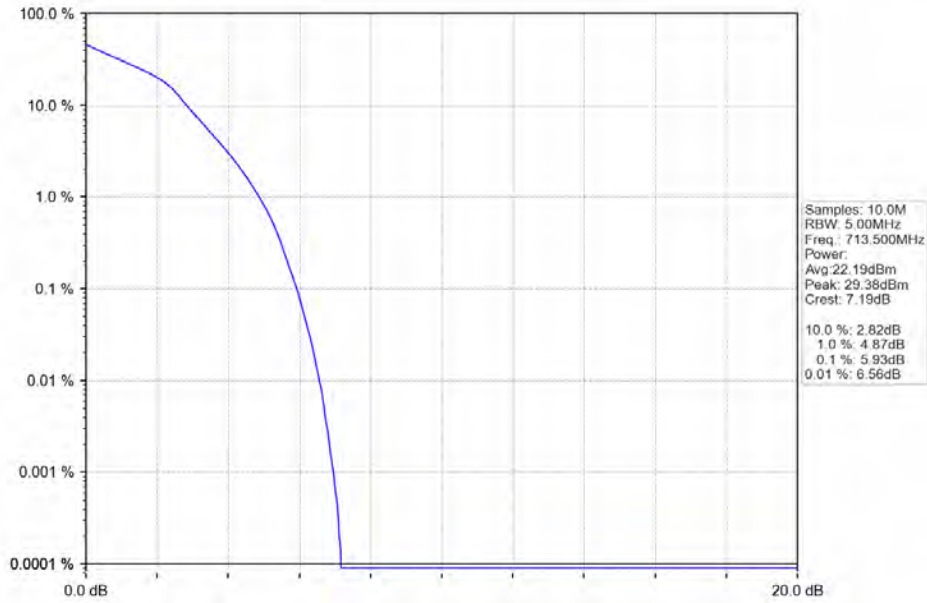
Band 17\_5MHz\_16QAM\_HCH\_713.5MHz\_RB\_25\_0\_NTNV







Band 17 5MHz 64QAM HCH 713.5MHz RB 25.0 NTNV

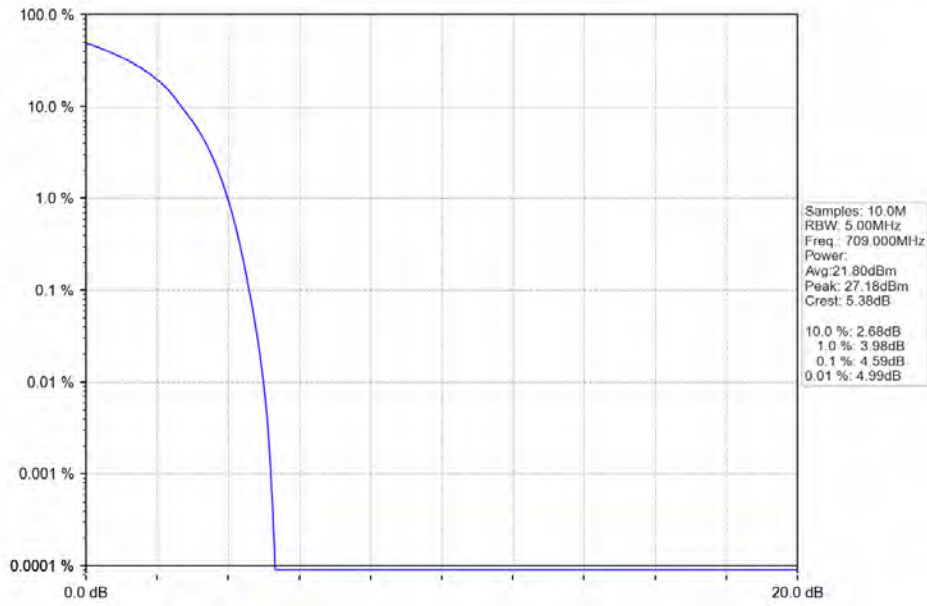




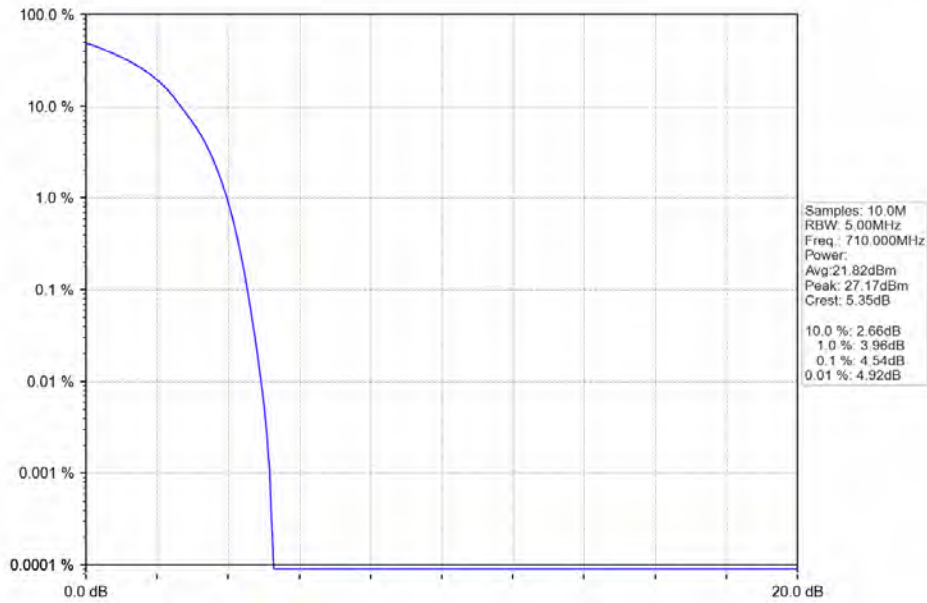
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 17 10MHz QPSK LCH 709MHz RB 50 0 NTV



Band\_17\_10MHz\_QPSK\_MCH\_710MHz\_RB\_50\_0\_NTV



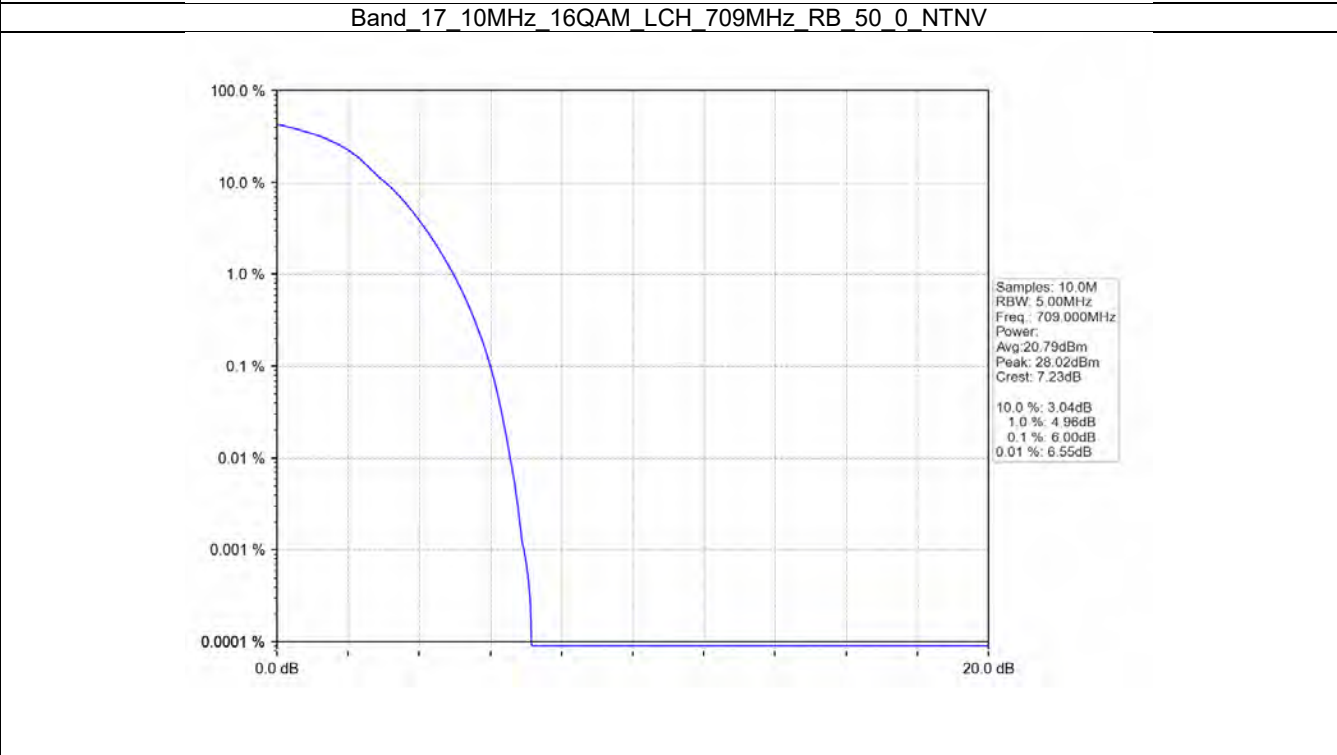
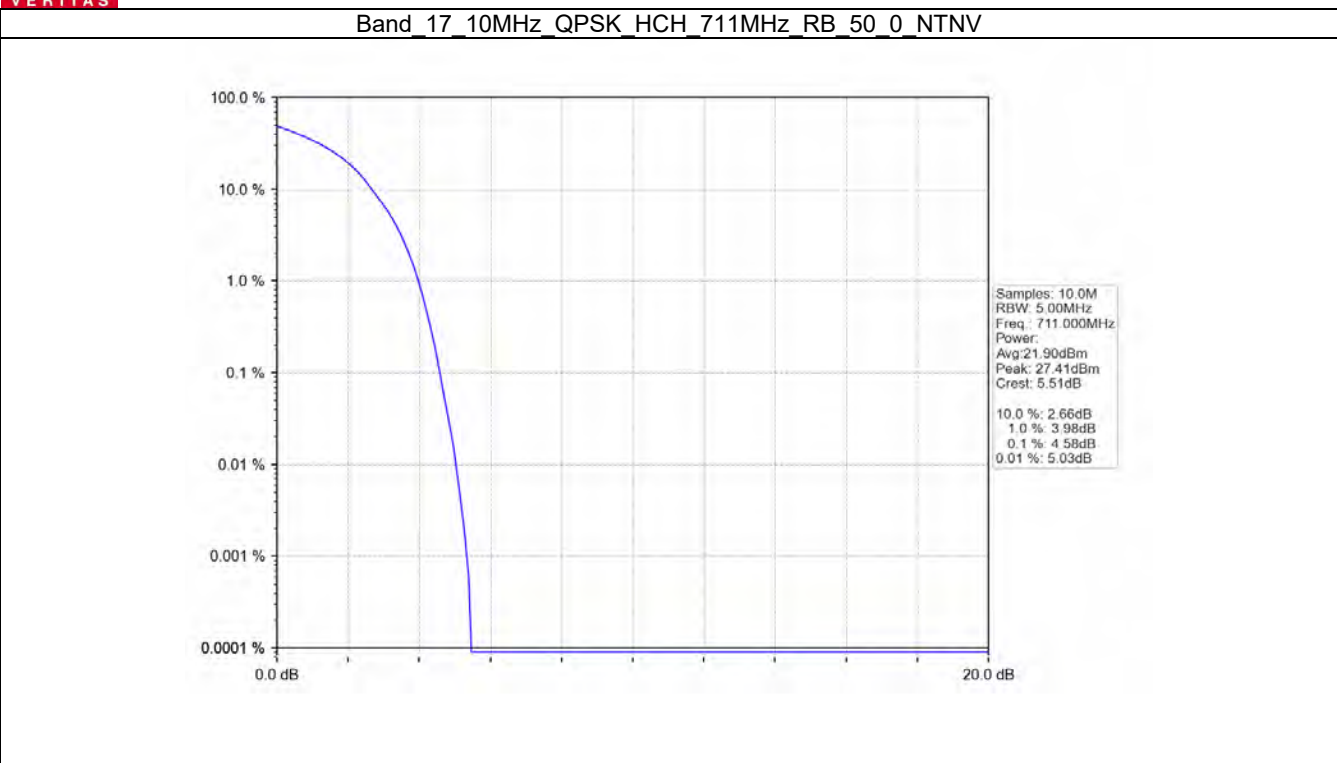
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Technology (Shenzhen) Co. Ltd

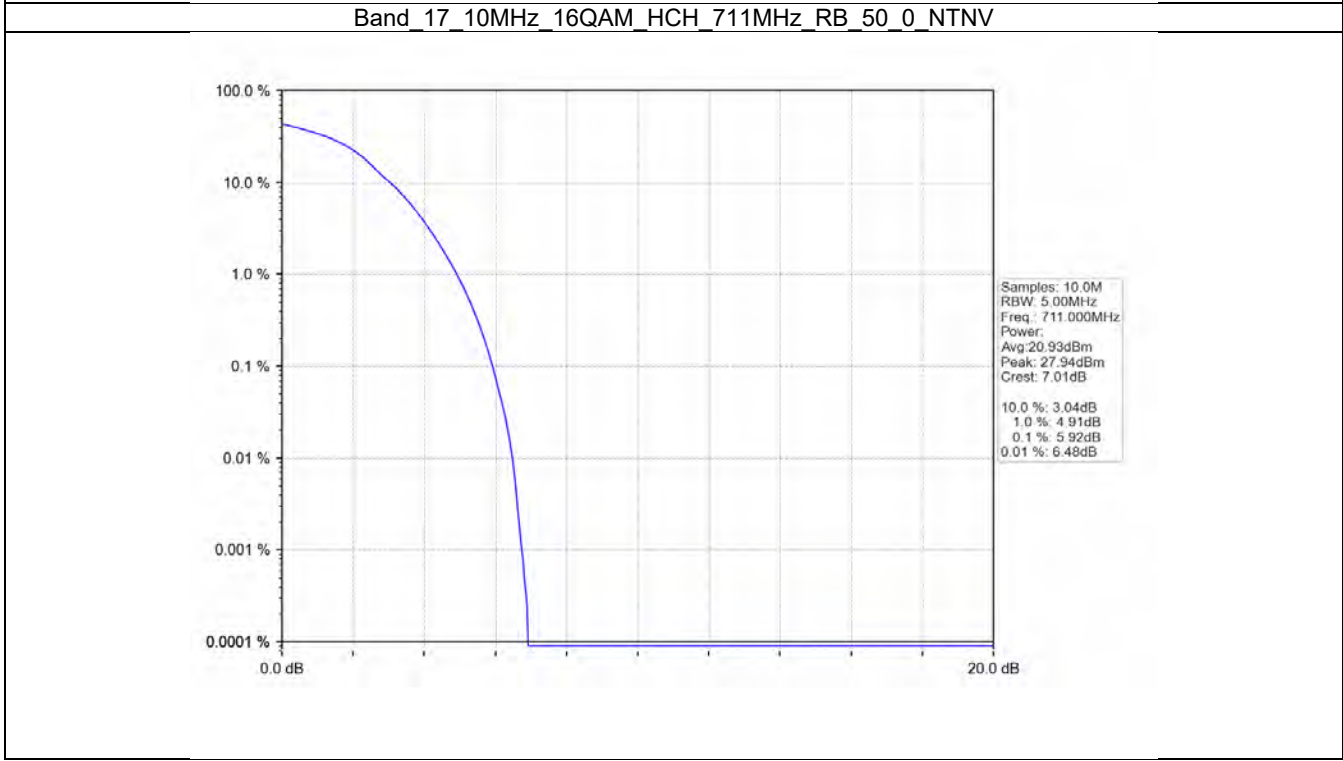
No.B102, Dazu Chuangxin Mansion, North of Beihuan  
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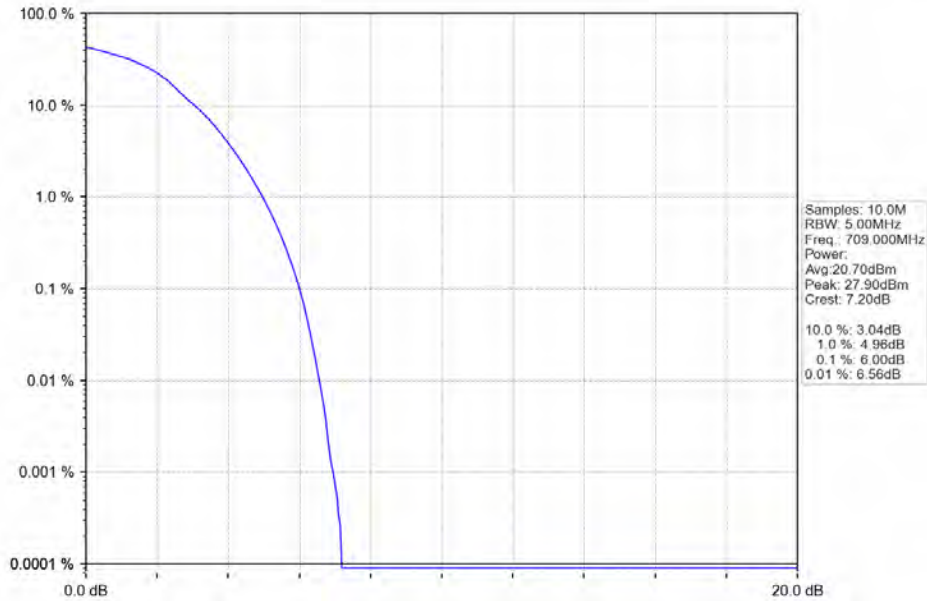




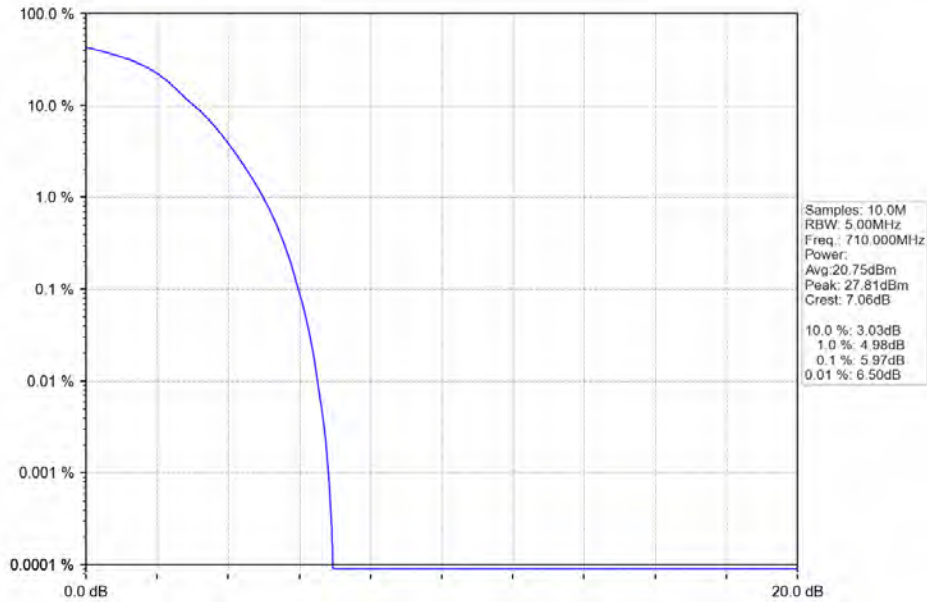
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 17 10MHz 64QAM LCH 709MHz RB 50 0 NTVN



Band 17 10MHz 64QAM MCH 710MHz RB 50 0 NTVN



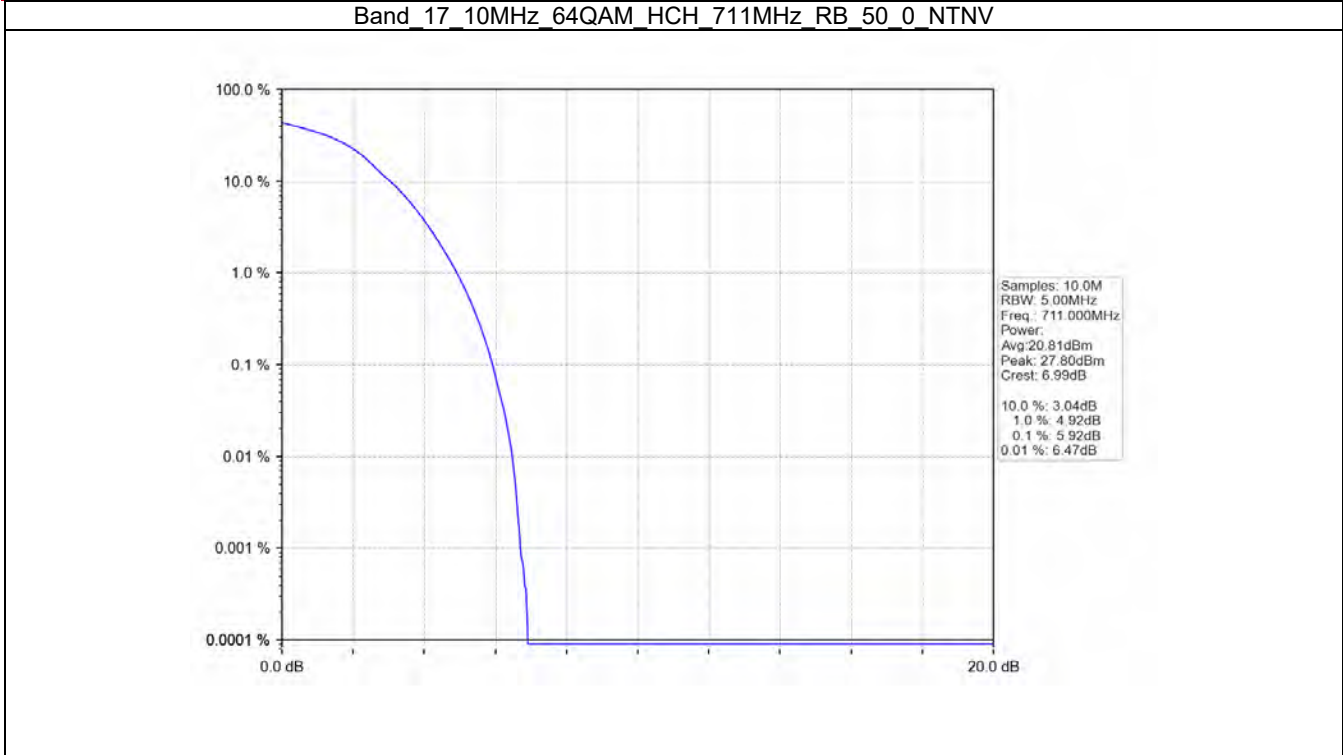
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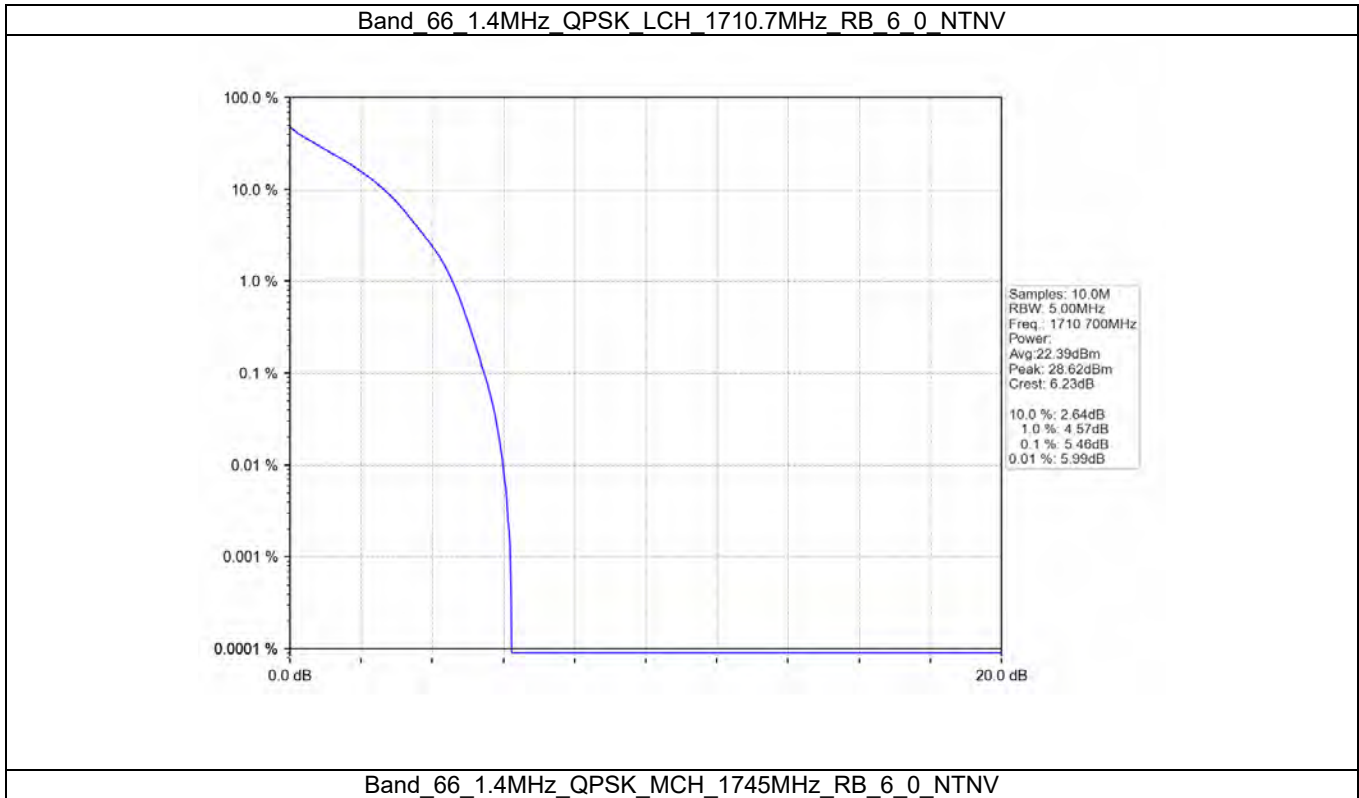
**3.7 LTE Band 66**

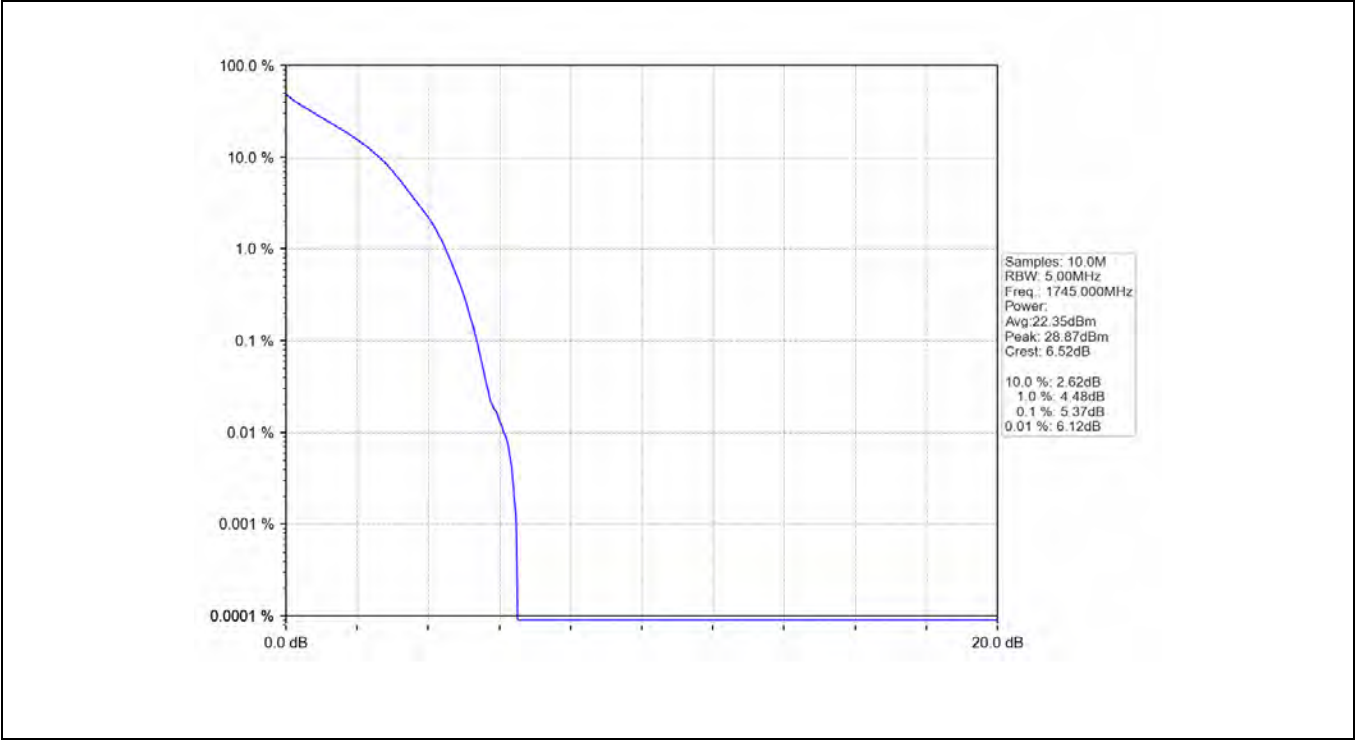
**3.7.1 Test Result**

Band: 66 / Bandwidth: 1.4MHz / NTV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	6	0	5.46	5.37	5.43	<=13	Pass
16QAM	6	0	6.15	6.4.0	6.03	<=13	Pass
64QAM	6	0	6.06	6.4.0	6.03	<=13	Pass
Band: 66 / Bandwidth: 3MHz / NTV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	15	0	5.29	5.23	5.20	<=13	Pass
16QAM	15	0	6.03	5.99	6.00	<=13	Pass
64QAM	15	0	6.04	6.01	6.00	<=13	Pass
Band: 66 / Bandwidth: 5MHz / NTV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	25	0	5.37	5.33	5.34	<=13	Pass
16QAM	25	0	6.02	5.99	6.02	<=13	Pass
64QAM	25	0	6.01	5.98	6.01	<=13	Pass
Band: 66 / Bandwidth: 10MHz / NTV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	50	0	4.59	4.53	4.60	<=13	Pass
16QAM	50	0	6.04	6.01	5.97	<=13	Pass
64QAM	50	0	6.04	6.02	5.96	<=13	Pass
Band: 66 / Bandwidth: 15MHz / NTV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	75	0	5.81	5.77	5.73	<=13	Pass
16QAM	75	0	6.80	6.85	6.75	<=13	Pass
64QAM	75	0	6.80	6.85	6.75	<=13	Pass
Band: 66 / Bandwidth: 20MHz / NTV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	100	0	6.45	6.43	6.37	<=13	Pass
16QAM	100	0	7.18	7.13	7.4.0	<=13	Pass
64QAM	100	0	7.18	7.13	7.09	<=13	Pass



**3.7.2 Test Graph**





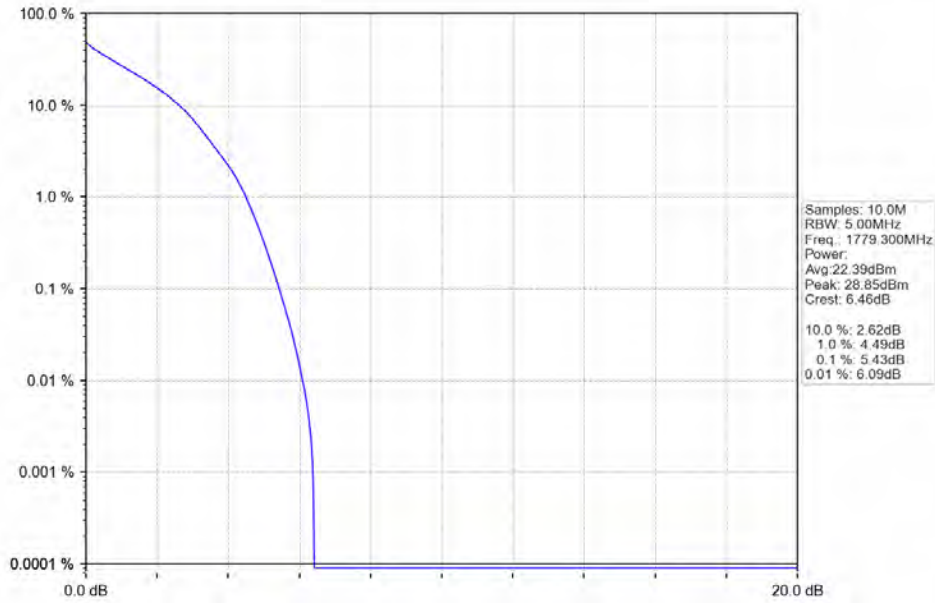
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Avenue, North Area, Hi-Tech Industrial Park, Nanshan  
District, Shenzhen, Guangdong, China

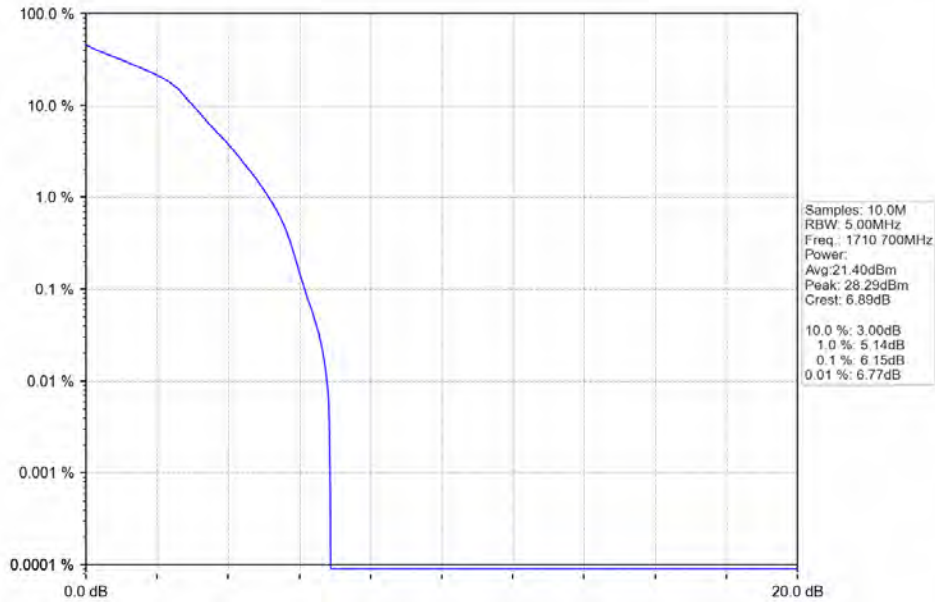
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Band 66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTV



Band 66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV

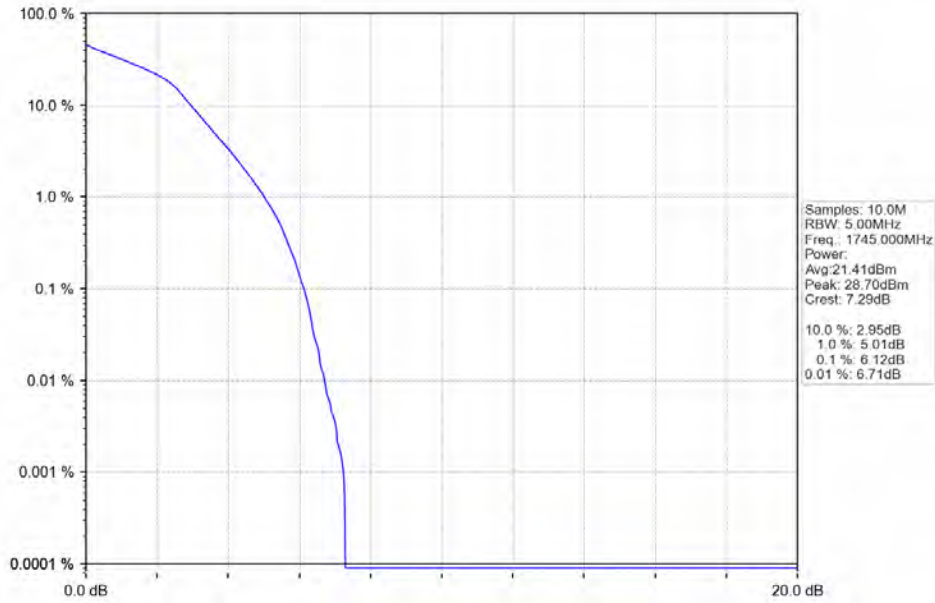




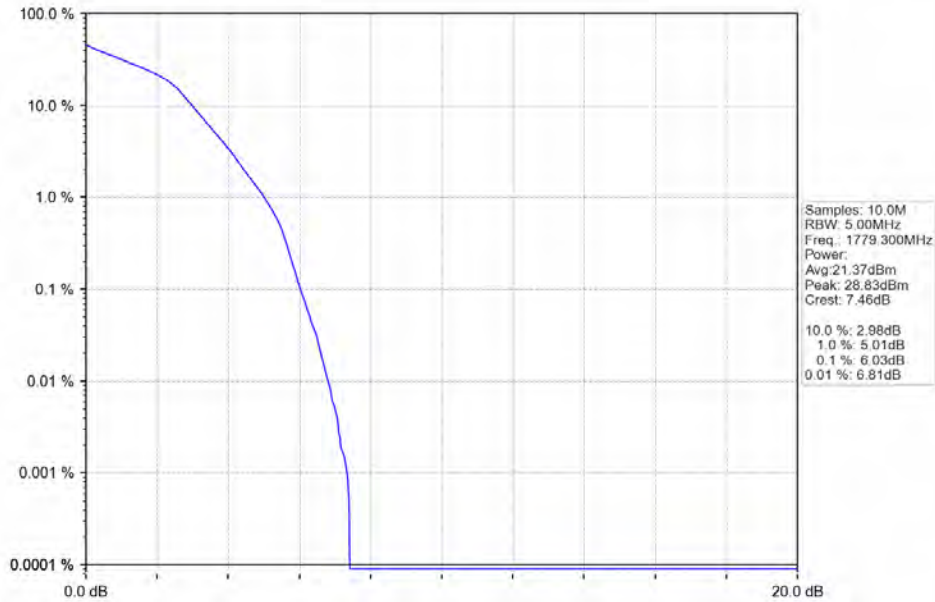
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 66 1.4MHz 16QAM MCH 1745MHz RB 6.0 NTNV



Band 66 1.4MHz 16QAM HCH 1779.3MHz RB 6.0 NTNV



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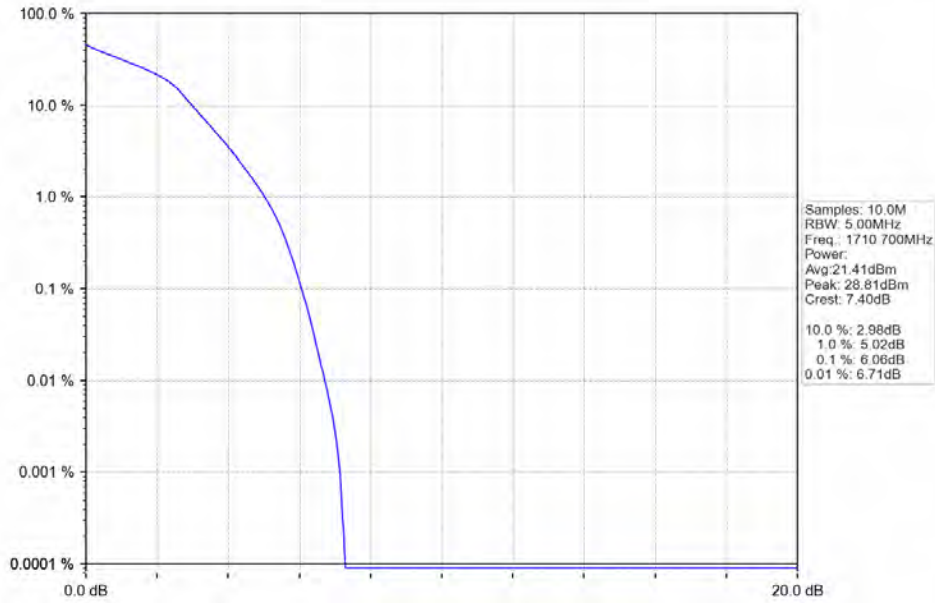
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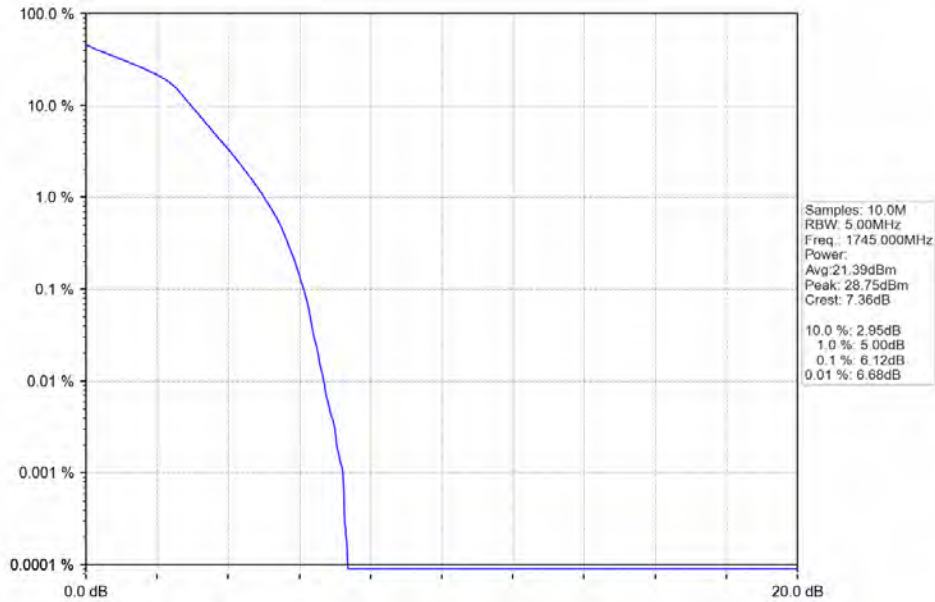
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 66 1.4MHz 64QAM LCH 1710.7MHz RB 6 0 NTV



Band 66 1.4MHz 64QAM MCH 1745MHz RB 6 0 NTV



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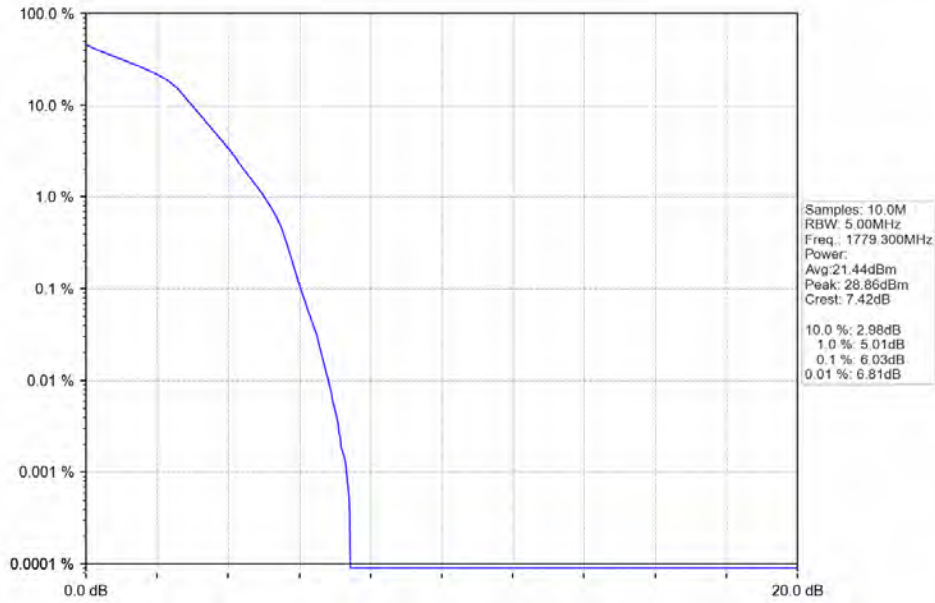
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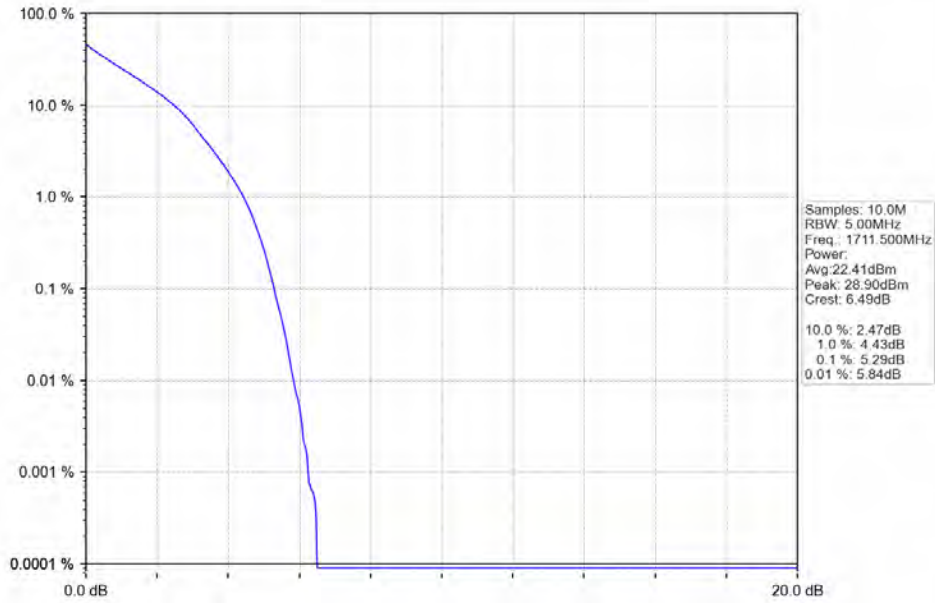


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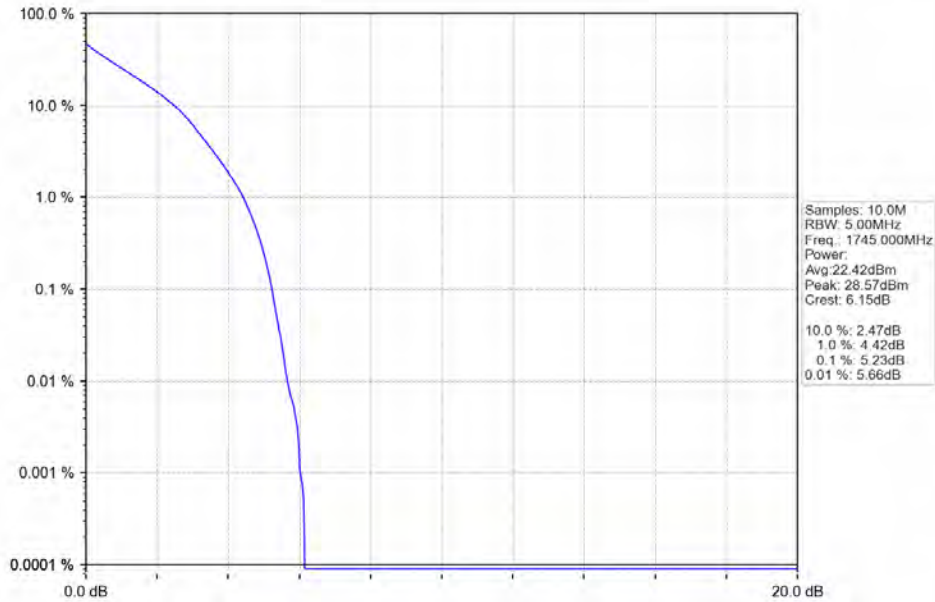




**Band 66 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV**

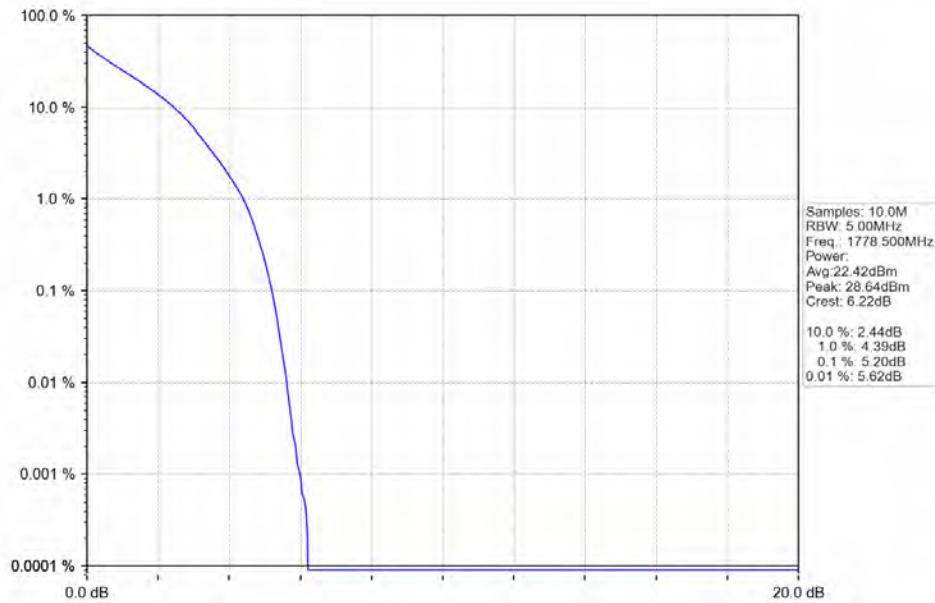


**Band 66 3MHz QPSK MCH 1745MHz RB 15 0 NTNV**

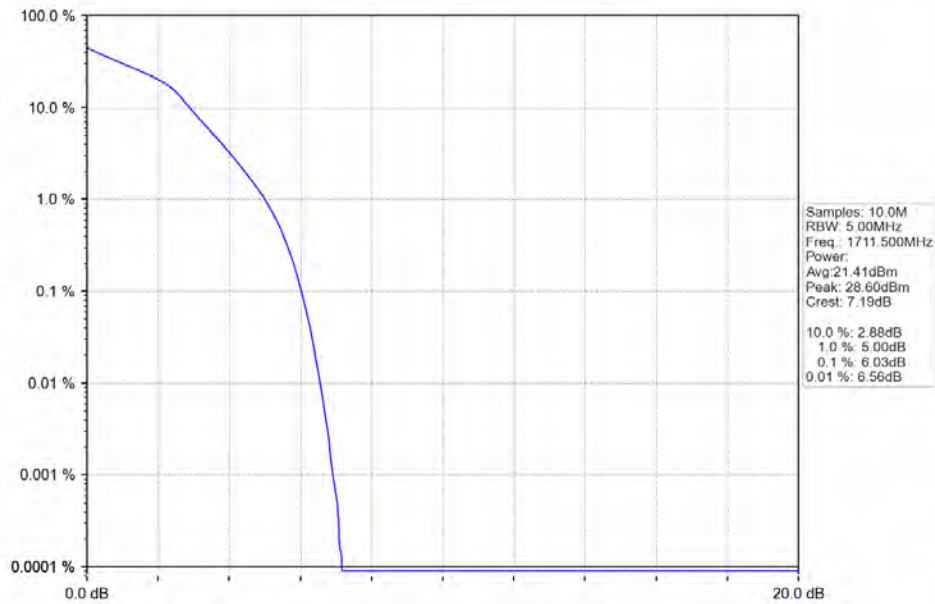




Band 66 3MHz QPSK HCH 1778.5MHz RB 15.0 NTNV

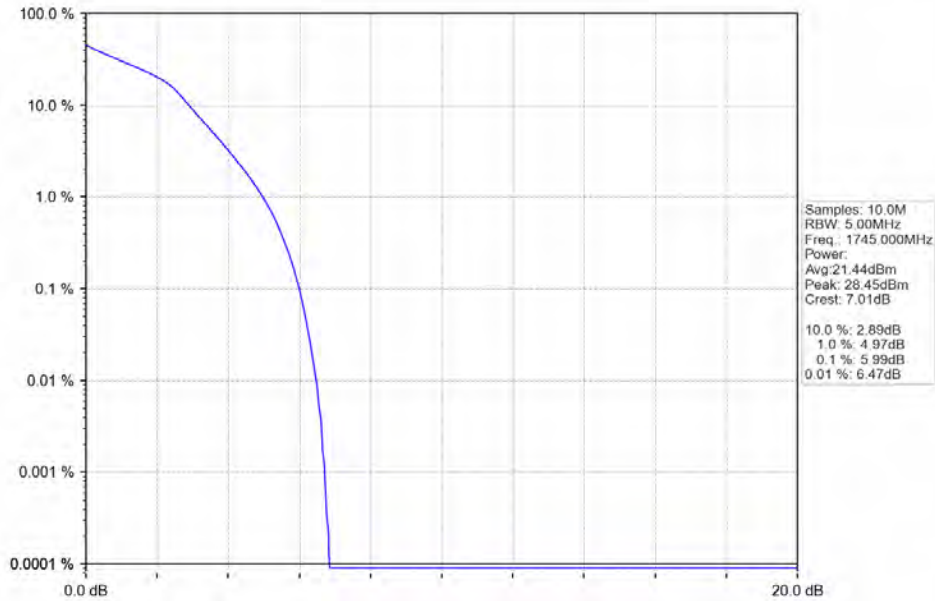


Band 66 3MHz 16QAM LCH 1711.5MHz RB 15.0 NTNV

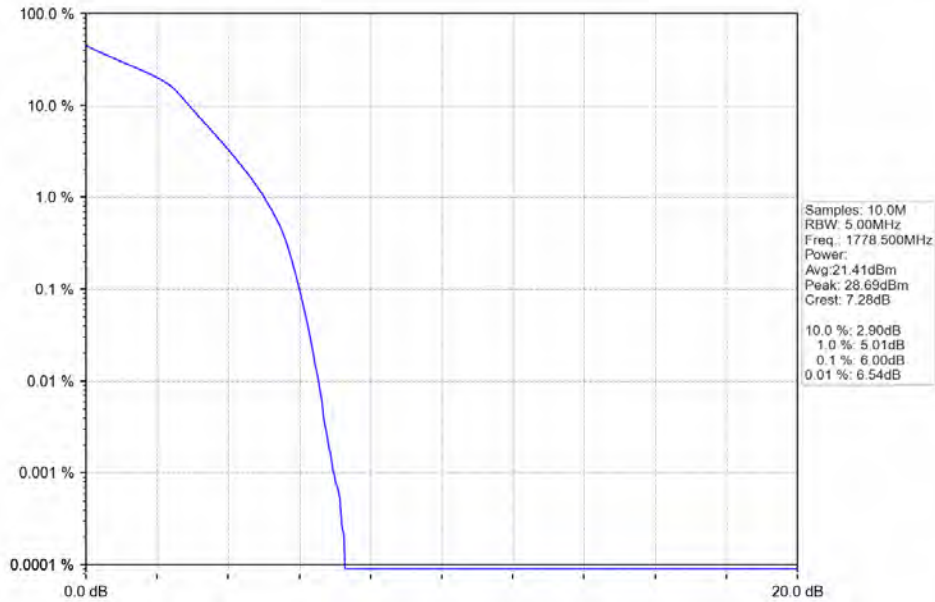




**Band 66 3MHz 16QAM MCH 1745MHz RB 15 0 NTNV**

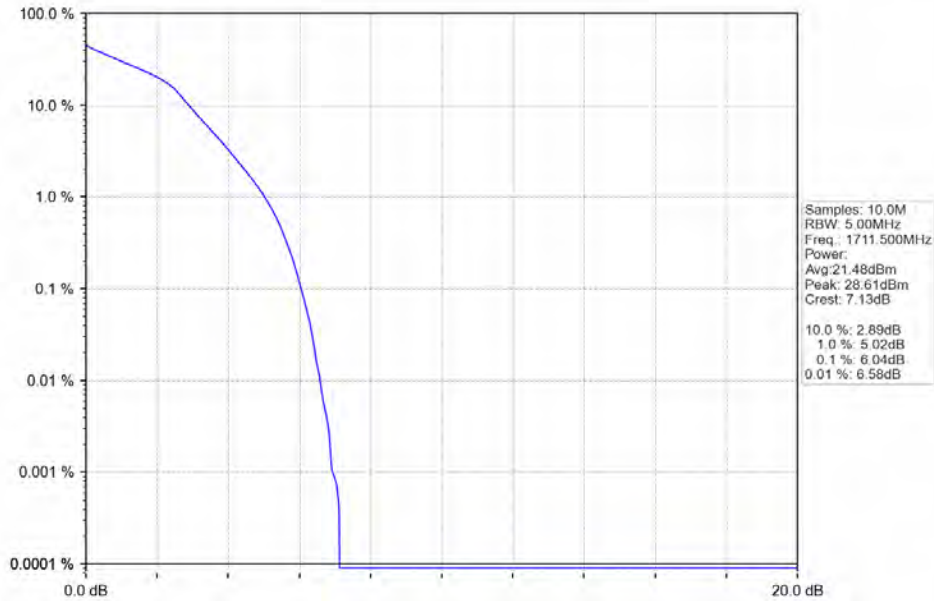


**Band 66 3MHz 16QAM HCH 1778.5MHz RB 15 0 NTNV**

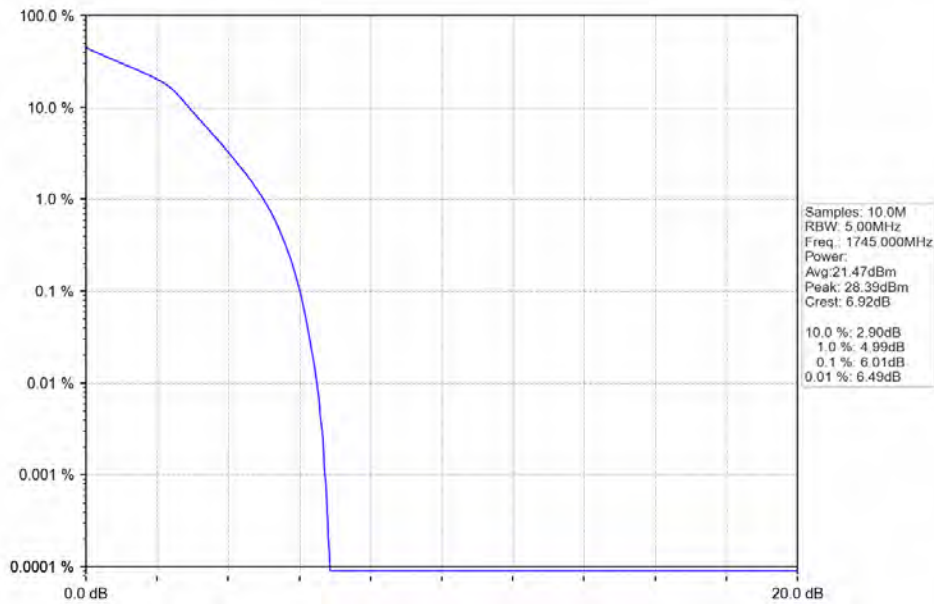




Band 66 3MHz 64QAM LCH 1711.5MHz RB 15 0 NTVN

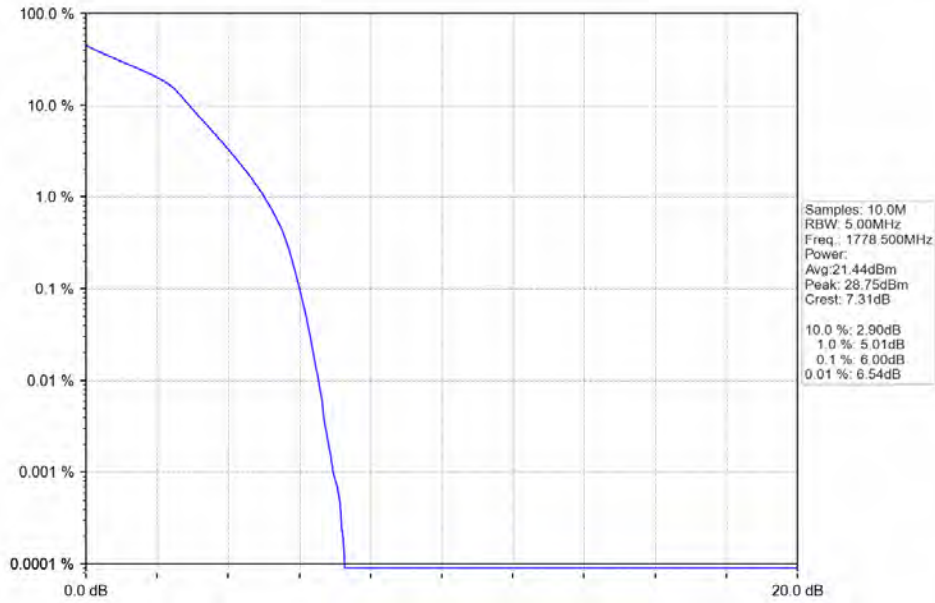


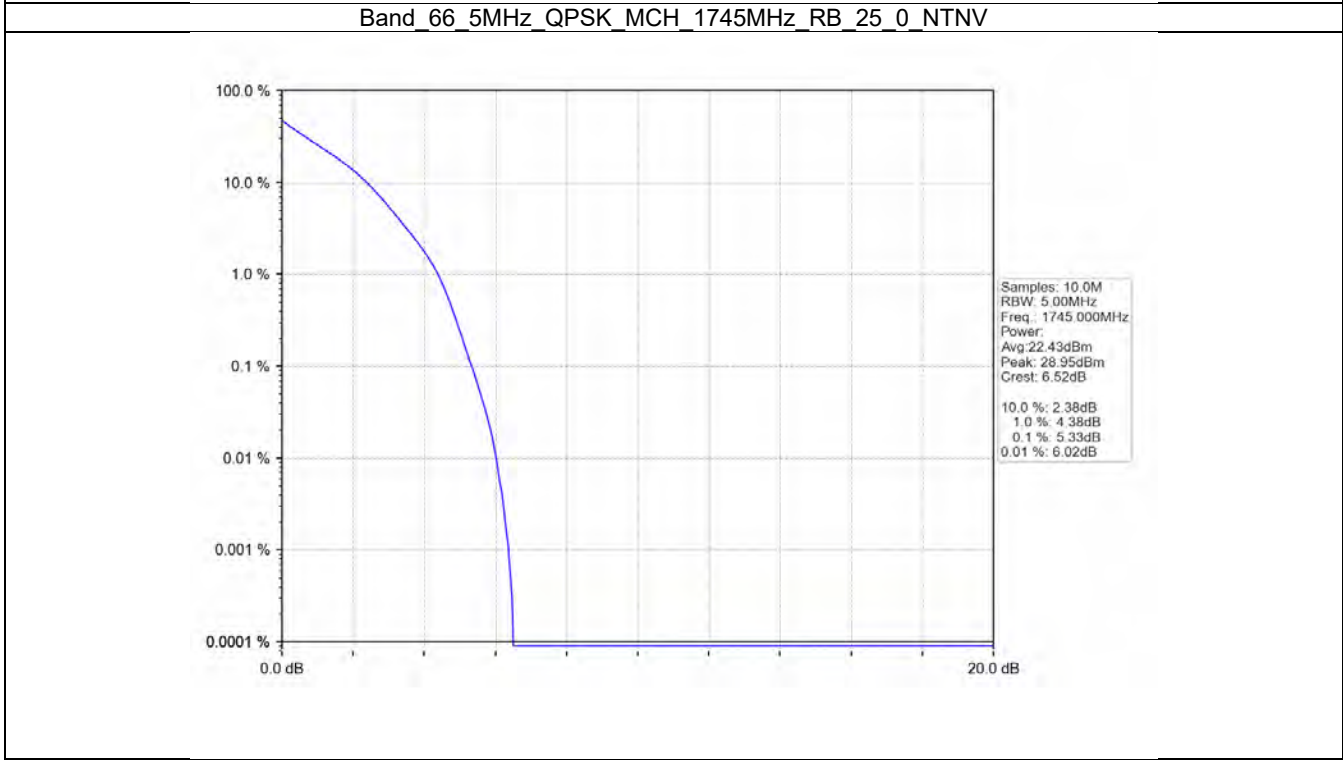
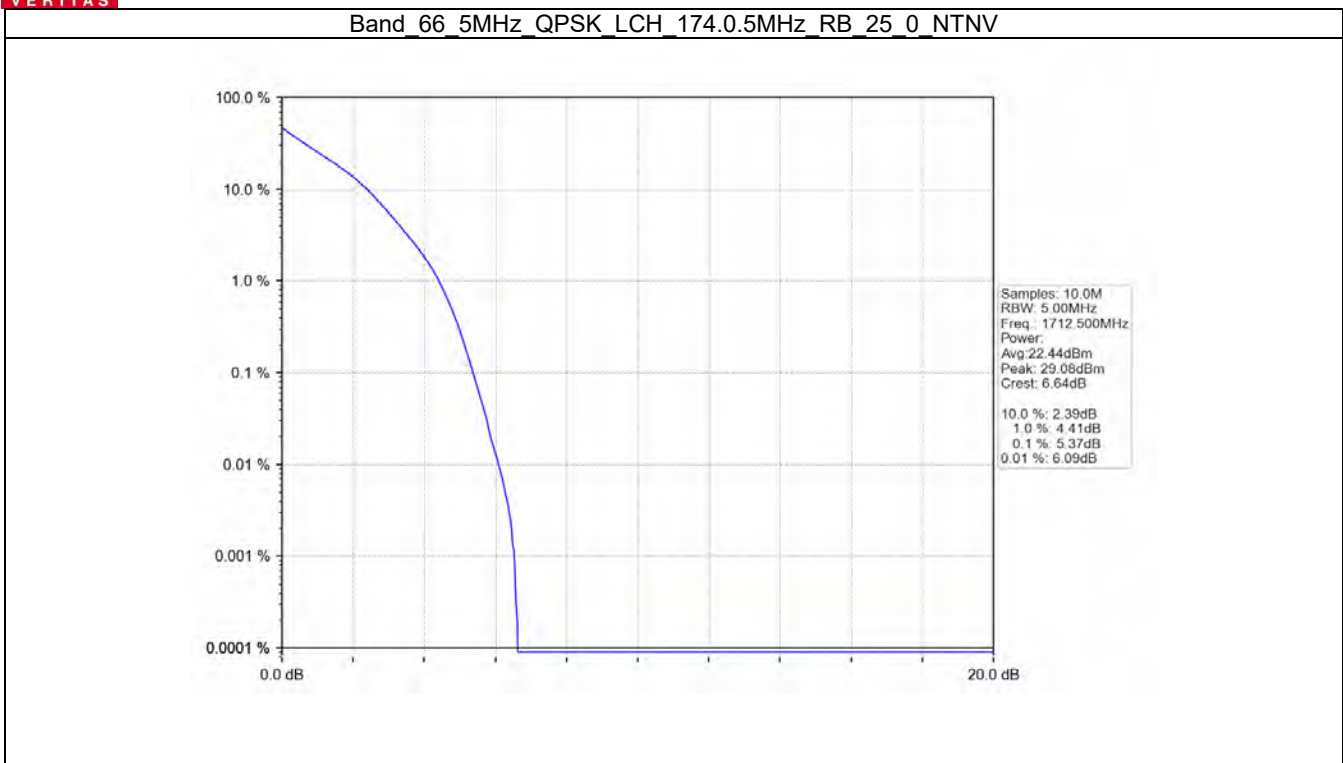
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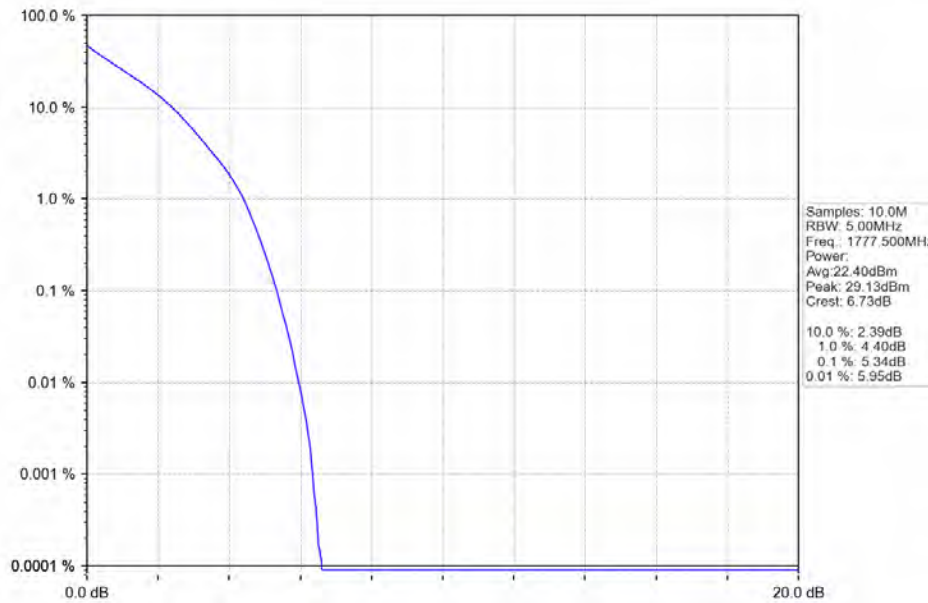
Band 66 3MHz 64QAM HCH 1778.5MHz RB 15 0 NTV



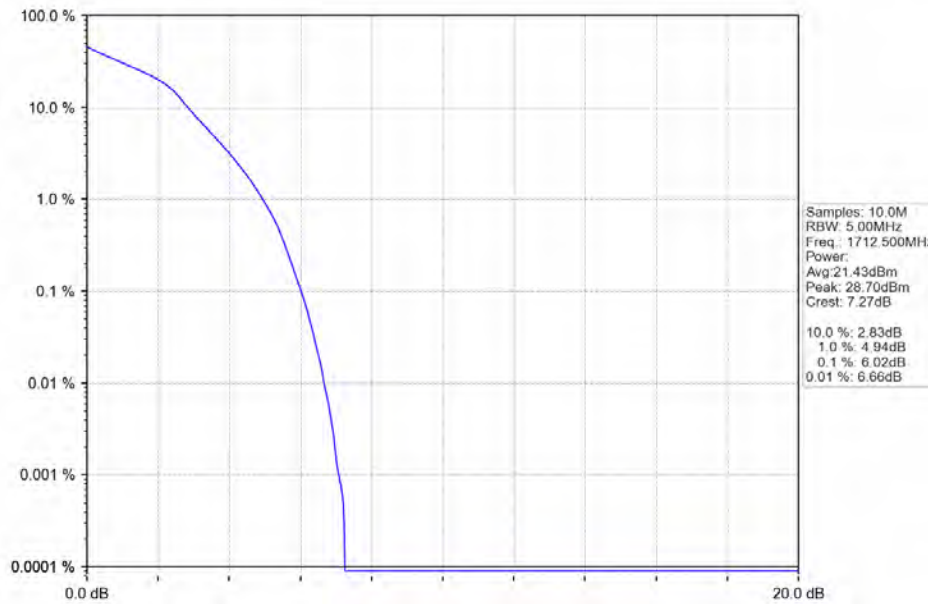




Band 66 5MHz QPSK HCH 1777.5MHz RB 25.0 NTNV



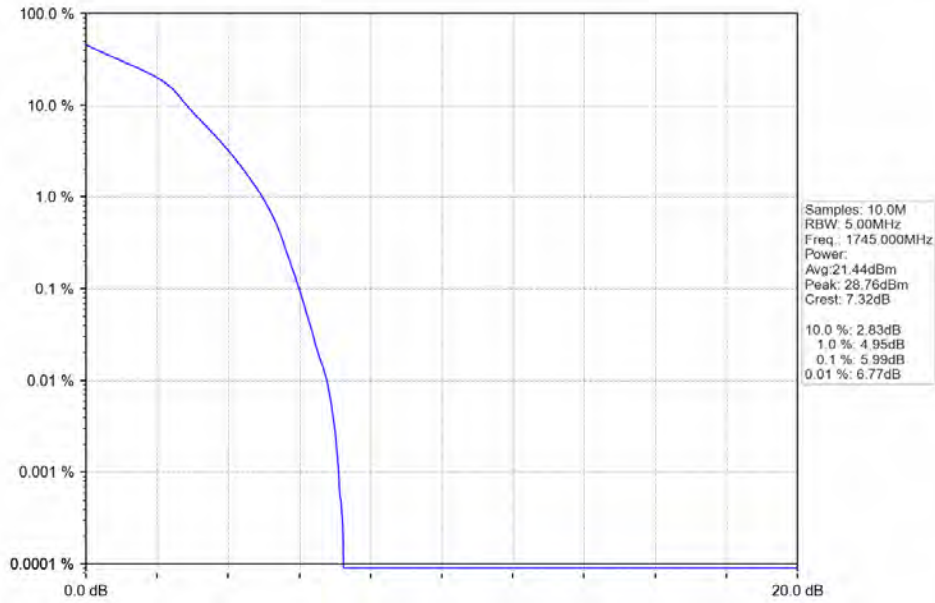
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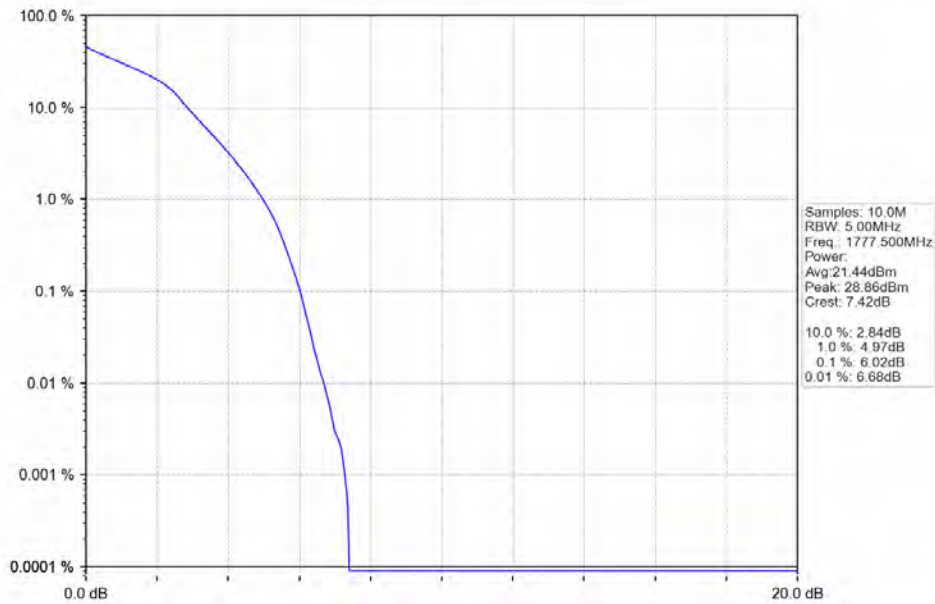




**Band 66 5MHz 16QAM MCH 1745MHz RB 25 0 NTNV**



**Band 66 5MHz 16QAM HCH 1777.5MHz RB 25 0 NTNV**

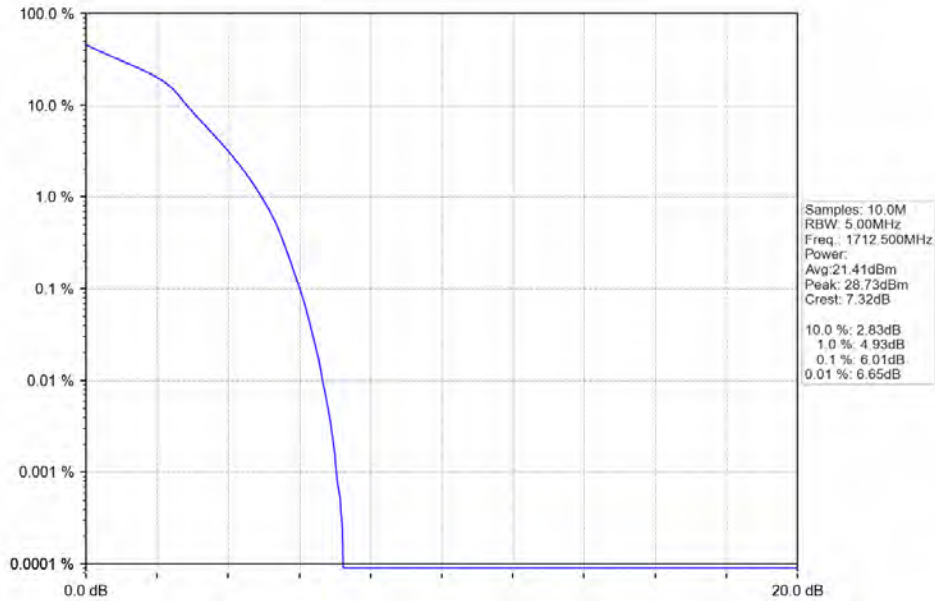




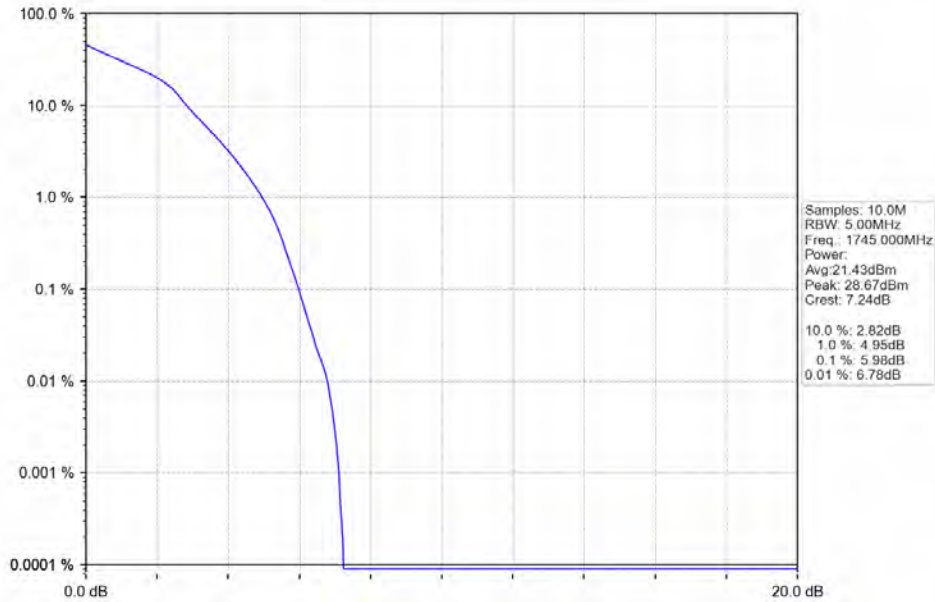
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 66 5MHz 64QAM LCH 174.05MHz RB 25 0 NTNV



Band 66 5MHz 64QAM MCH 1745MHz RB 25 0 NTNV



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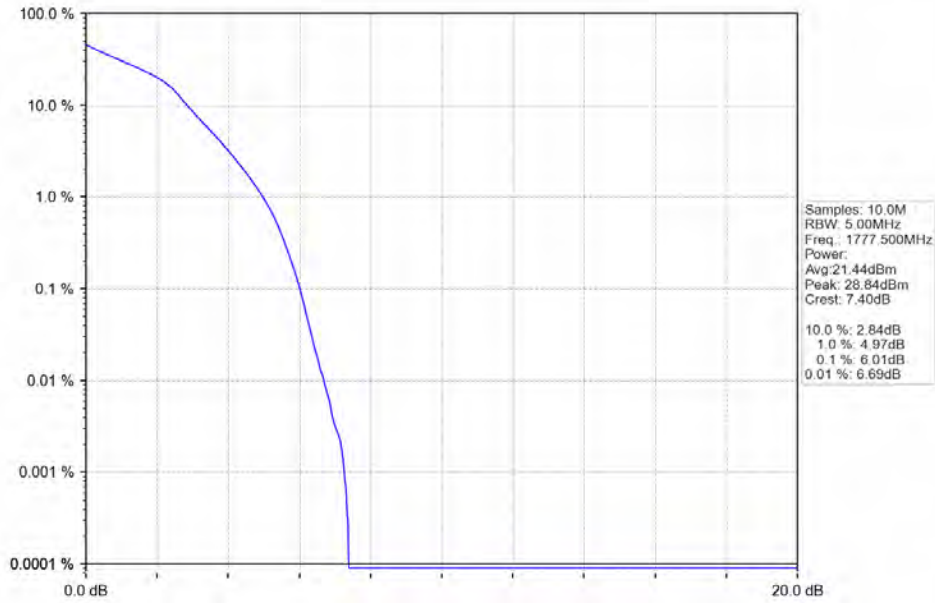
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Fax: +86 755 8869 6577

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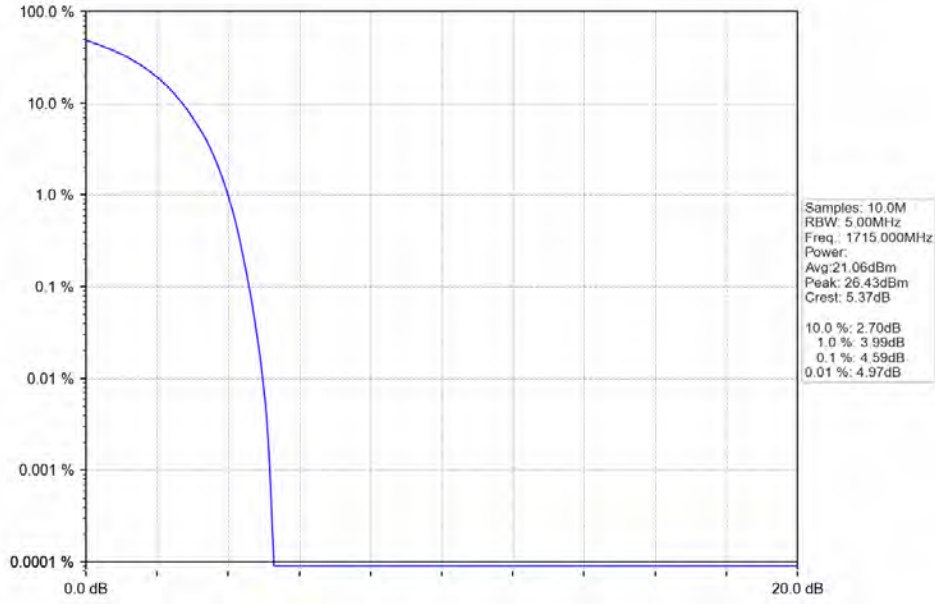


Band 66 5MHz 64QAM HCH 1777.5MHz RB 25 0 NTV

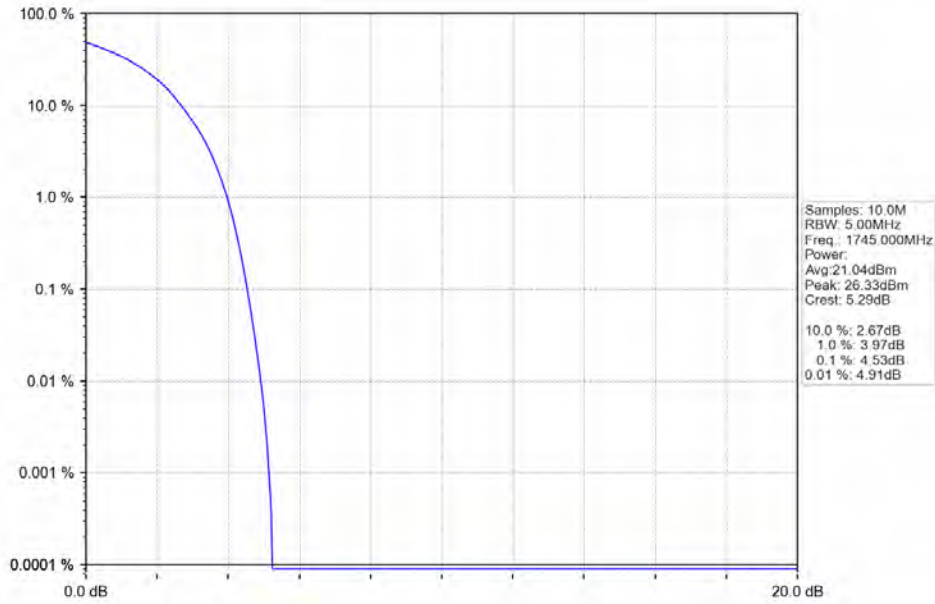




Band\_66\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV



Band\_66\_10MHz\_QPSK\_MCH\_1745MHz\_RB\_50\_0\_NTNV

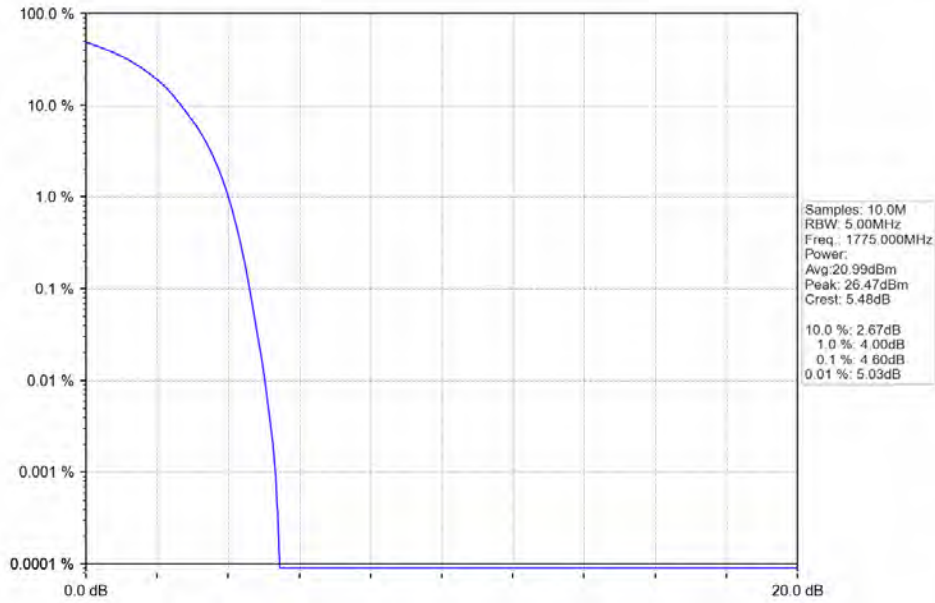




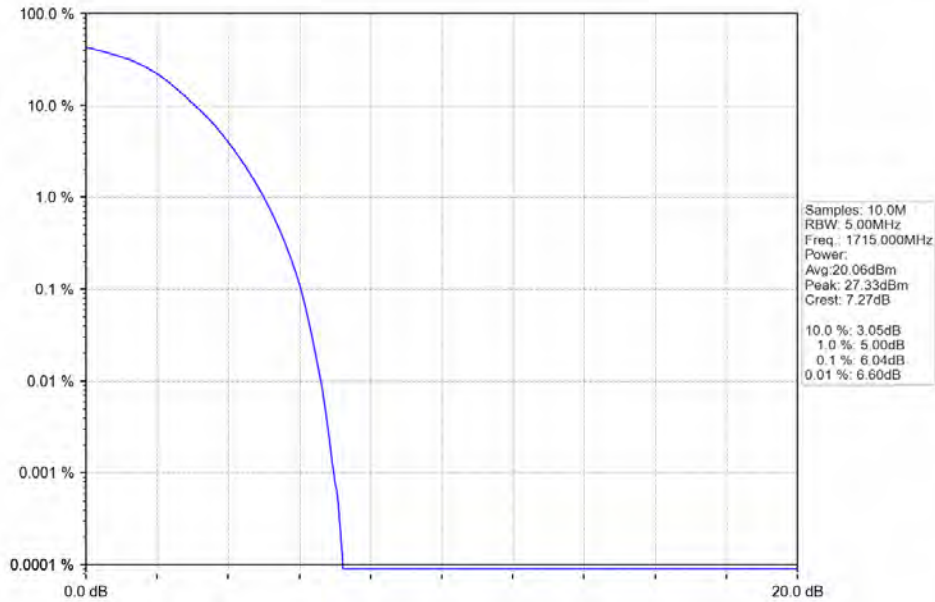
**BUREAU**  
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**Test Report No.: W7L-P20210616-3RF03**

Band 66 10MHz QPSK HCH 1775MHz RB 50 0 NTNV



Band 66 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV



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District, Shenzhen, Guangdong, China

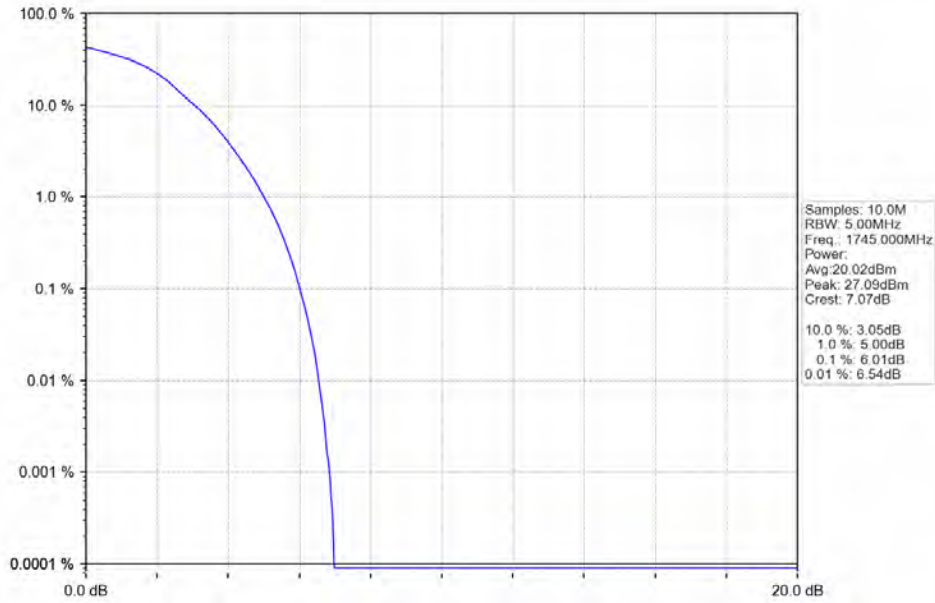
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Fax: +86 755 8869 6577

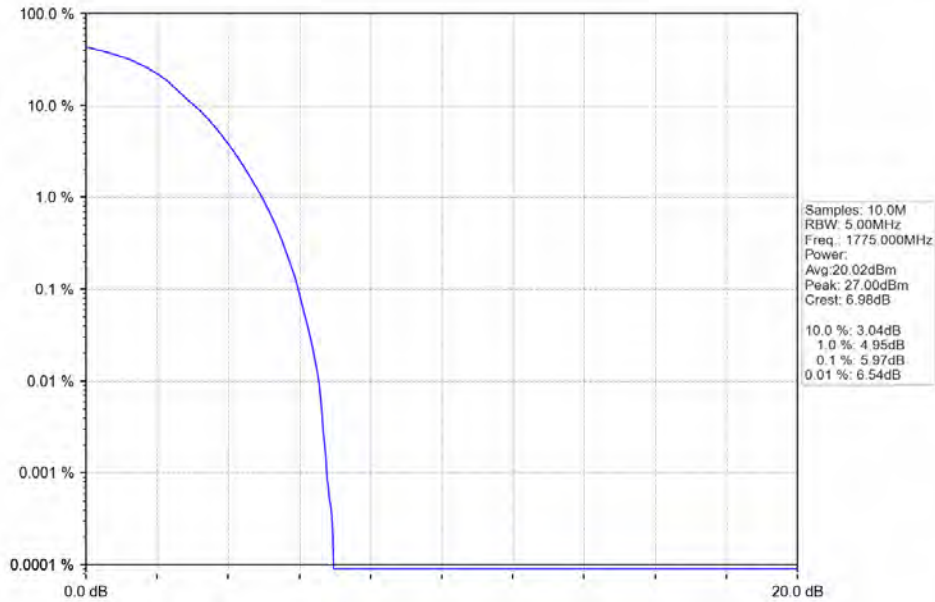
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)

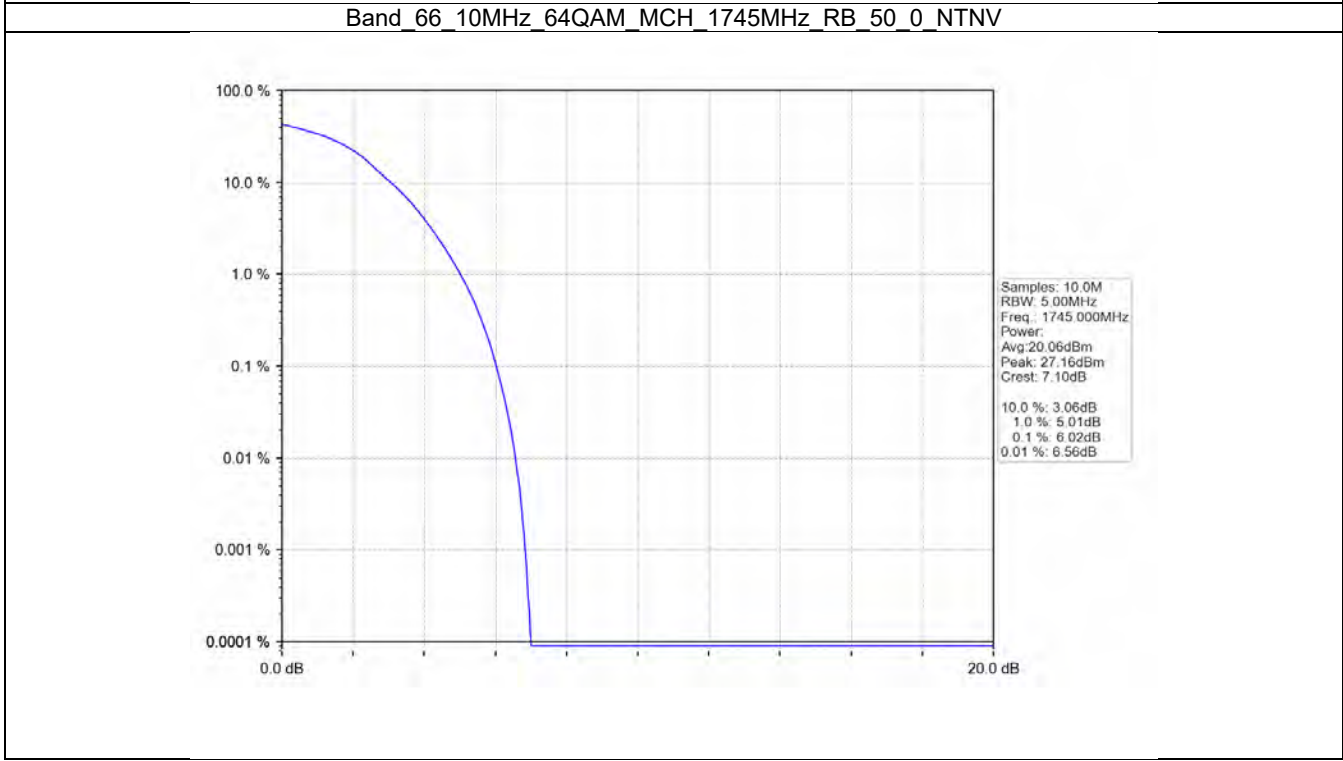
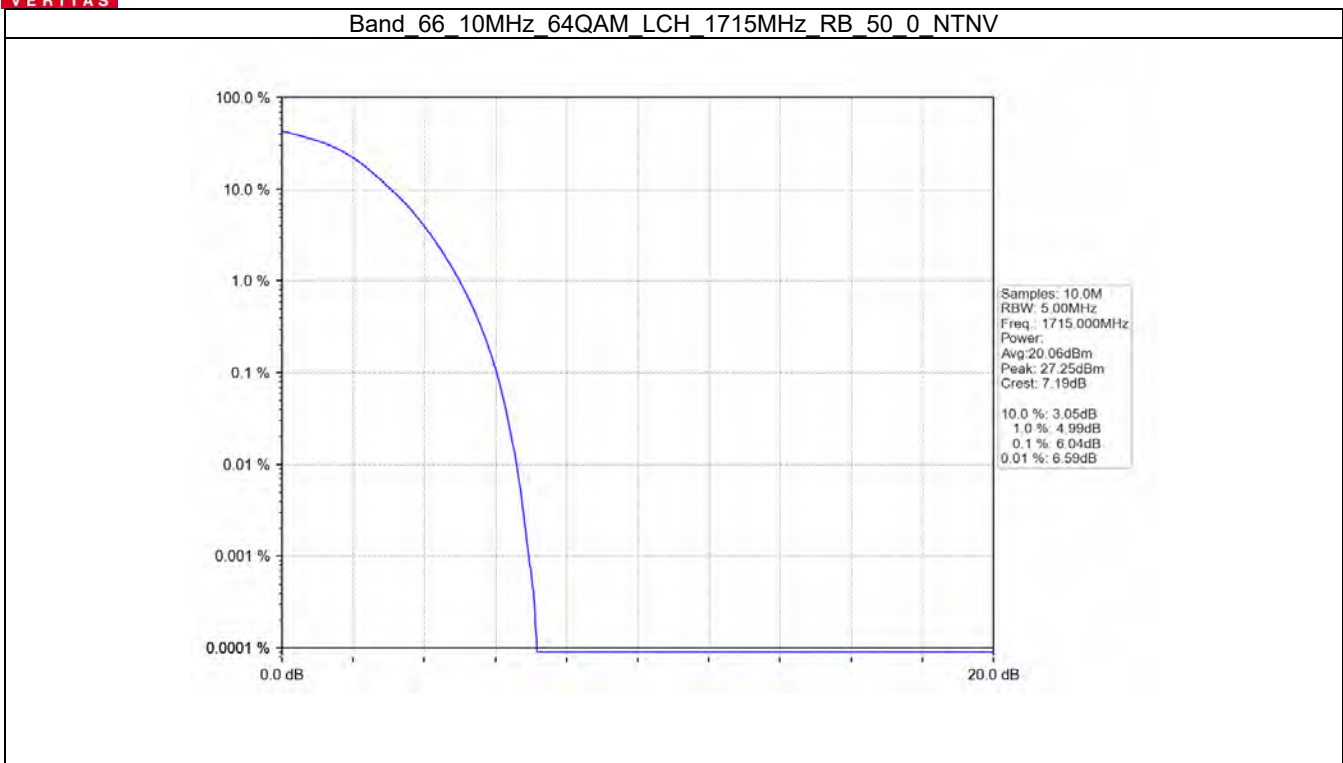


Band 66 10MHz 16QAM MCH 1745MHz RB 50 0 NTV



Band 66 10MHz 16QAM HCH 1775MHz RB 50 0 NTV



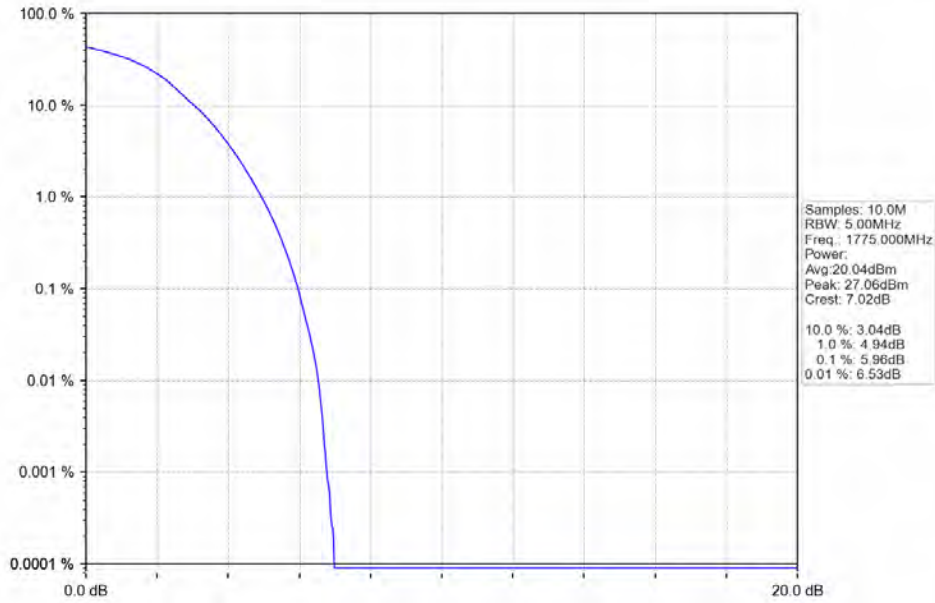




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Band 66 10MHz 64QAM HCH 1775MHz RB 50 0 NTV



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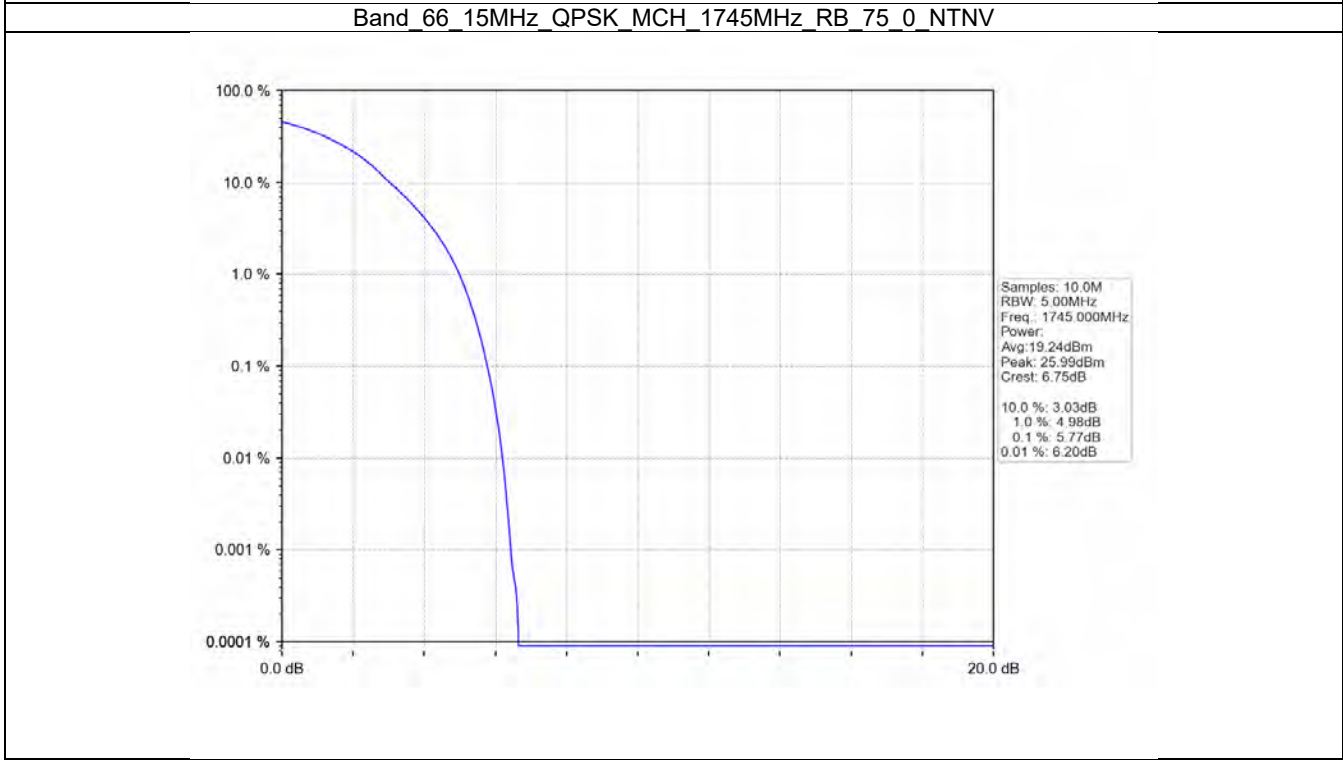
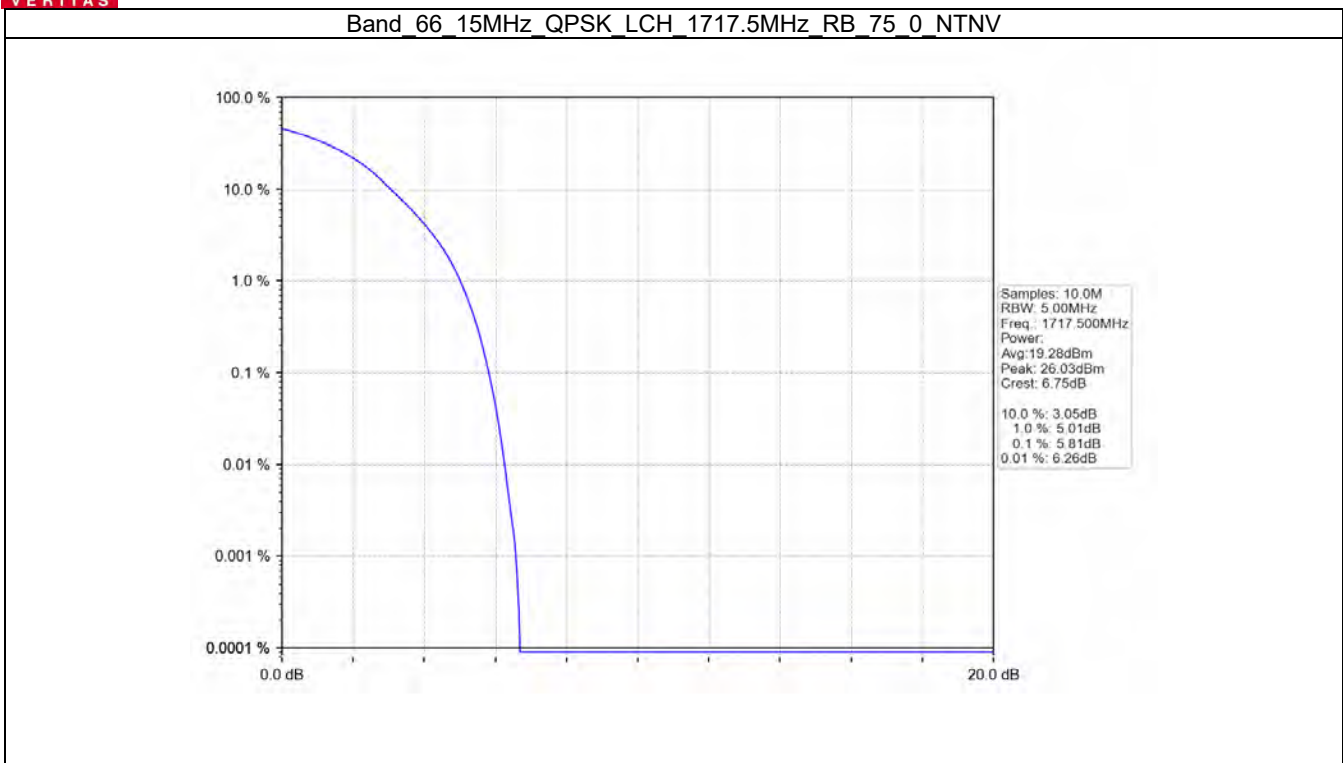
No.B102, Dazu Chuangxin Mansion, North of Beihuan  
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District, Shenzhen, Guangdong, China

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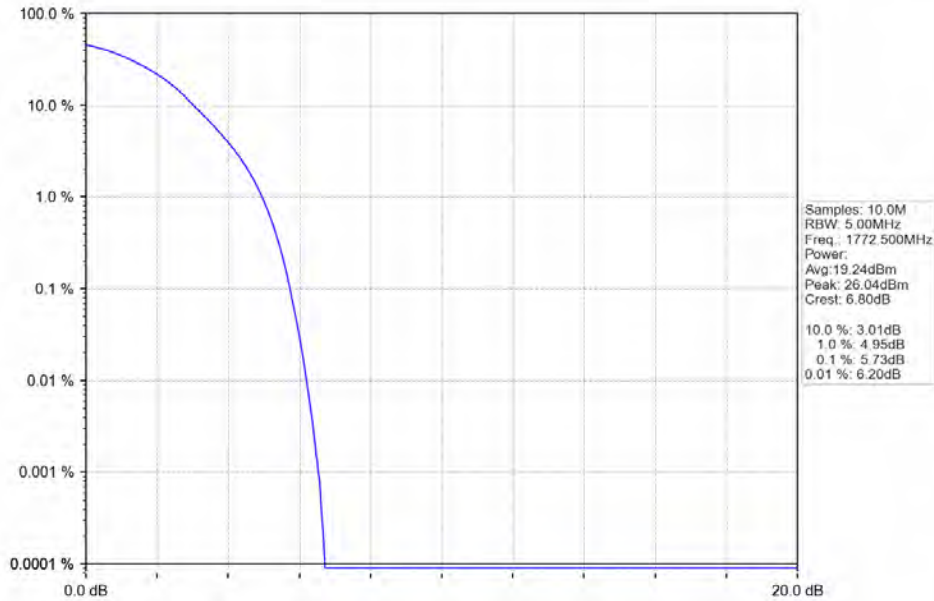
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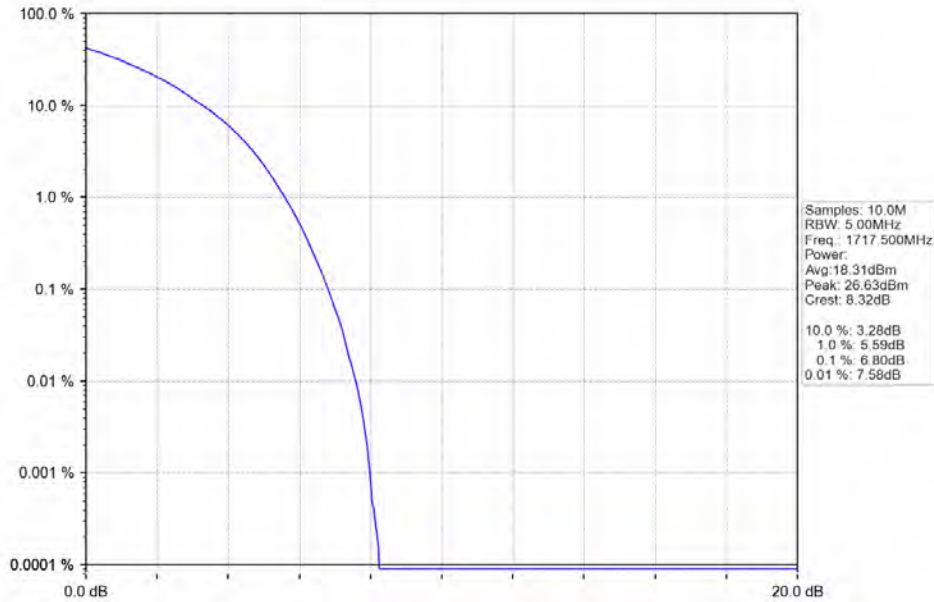




Band 66 15MHz QPSK HCH 1772.5MHz RB 75 0 NTV



Band 66 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTV

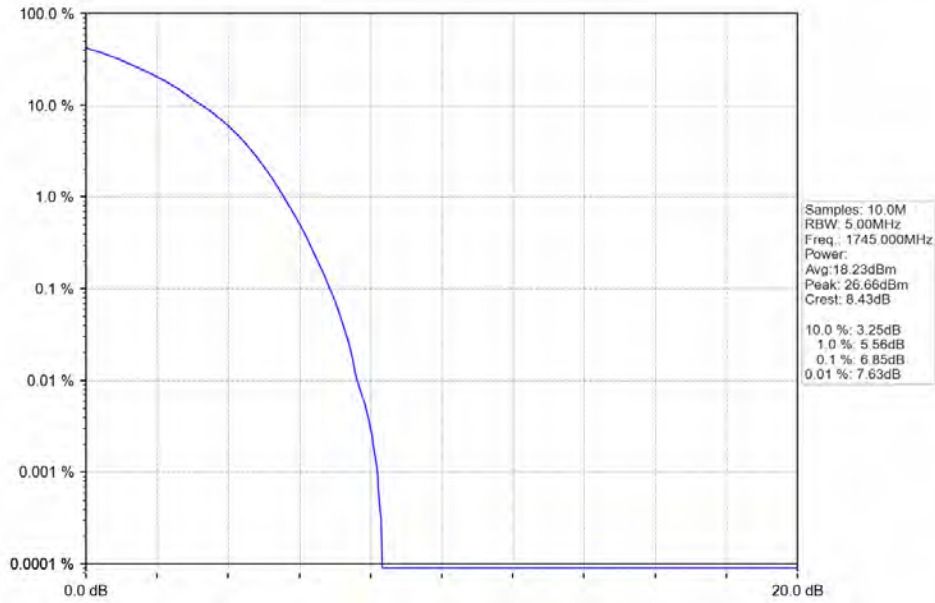




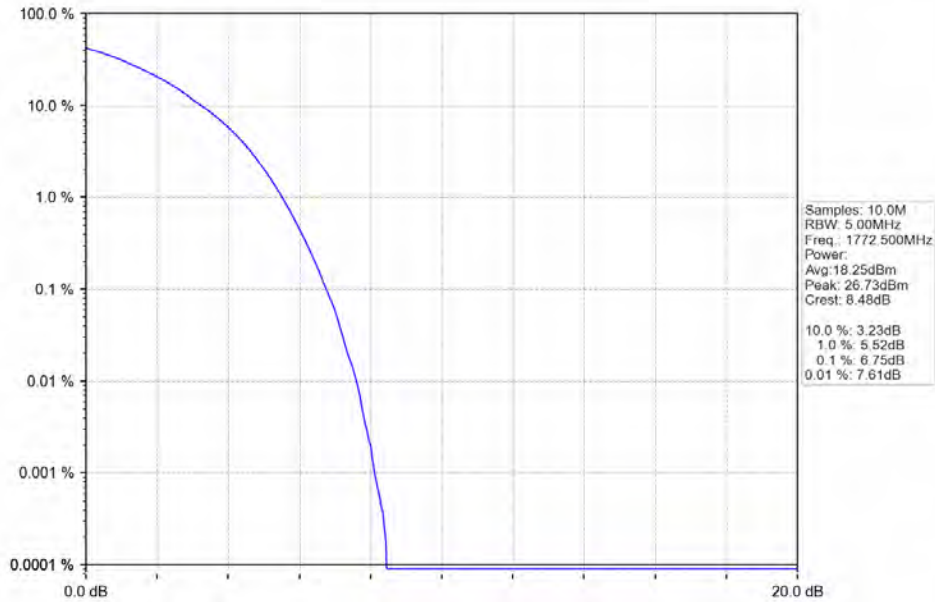
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**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 66 15MHz 16QAM MCH 1745MHz RB 75 0 NTV



Band 66 15MHz 16QAM HCH 1772.5MHz RB 75 0 NTV



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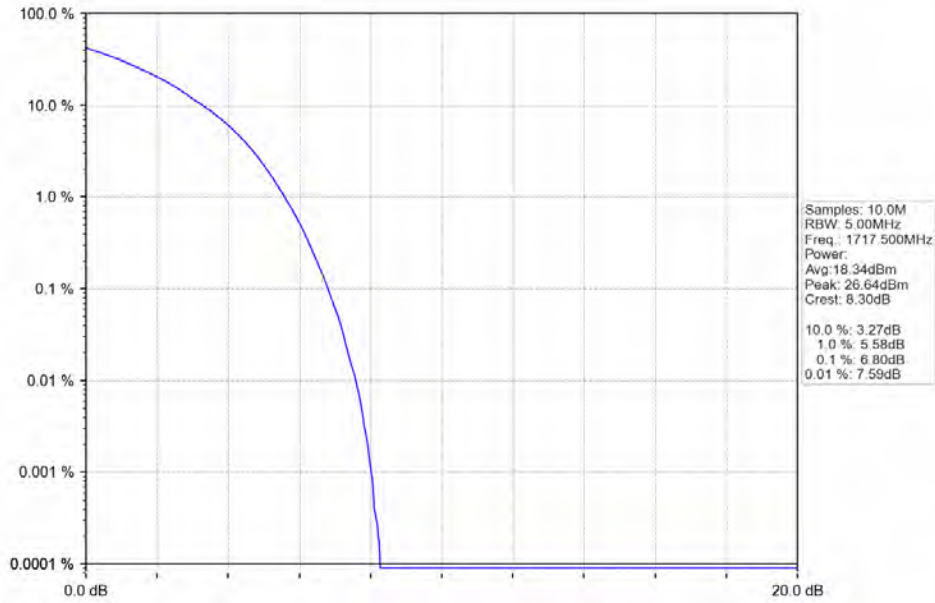
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Fax: +86 755 8869 6577

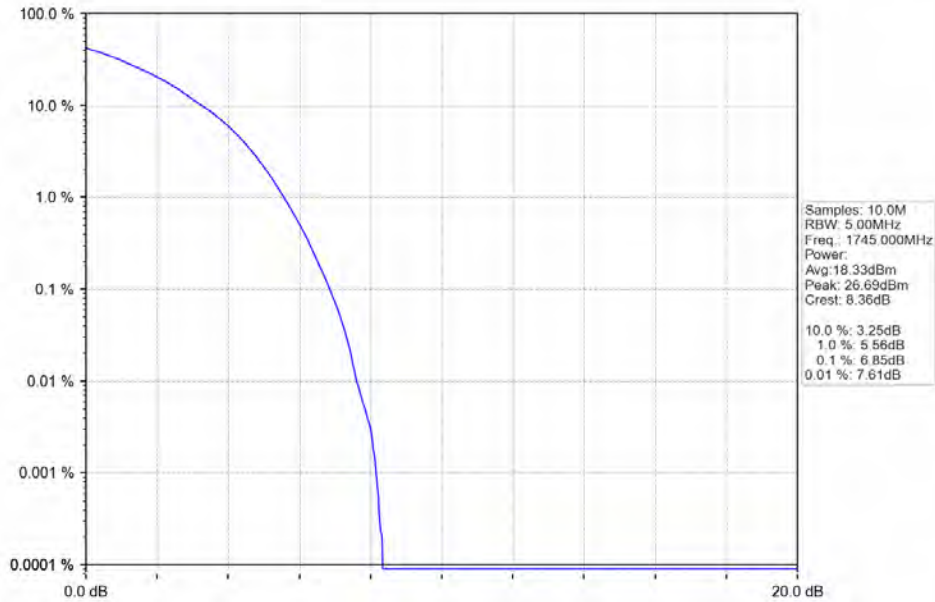
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**Band 66 15MHz 64QAM LCH 1717.5MHz RB 75 0 NTNV**

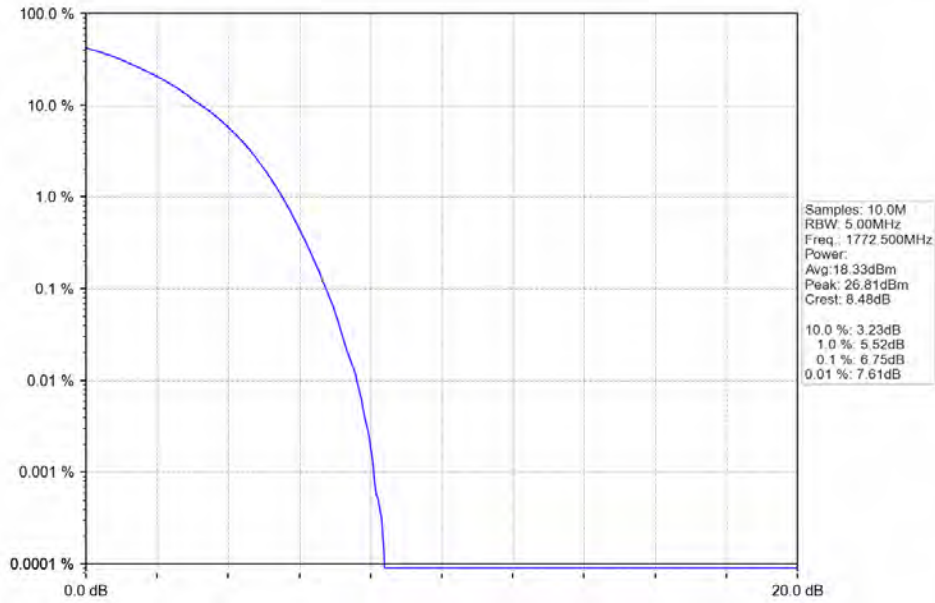


**Band 66 15MHz 64QAM MCH 1745MHz RB 75 0 NTNV**



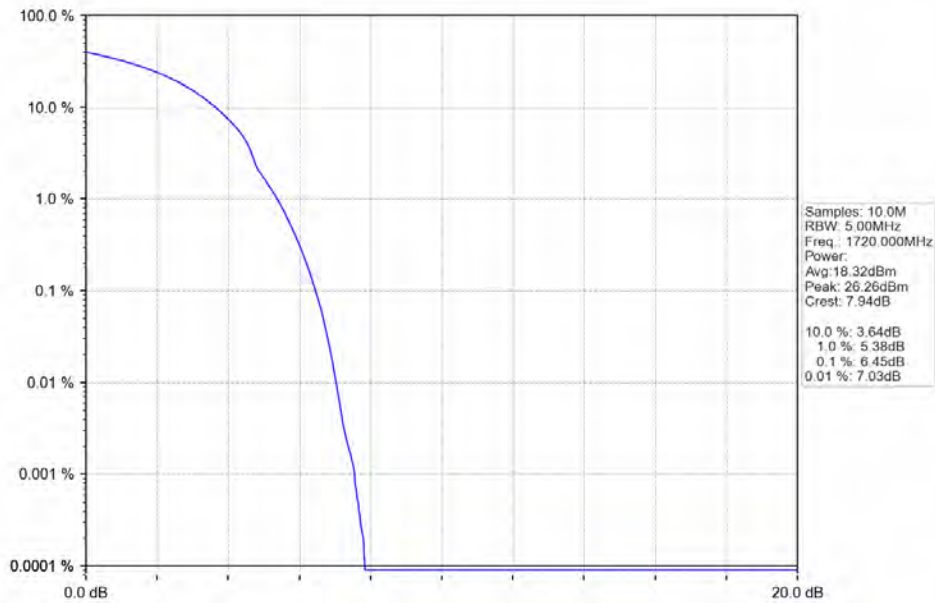


Band 66 15MHz 64QAM HCH 1772.5MHz RB 75 0 NTV

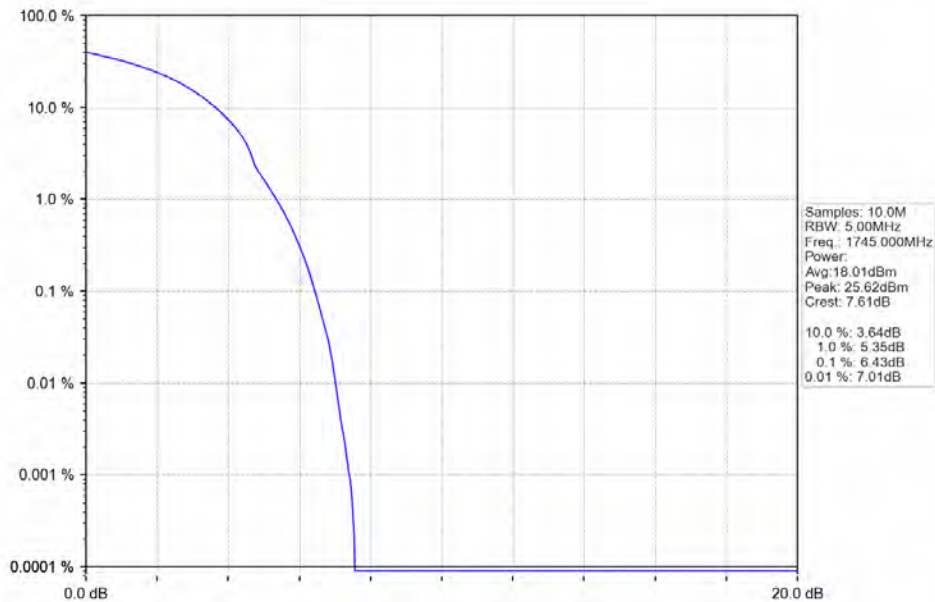




Band 66 20MHz QPSK LCH 1720MHz RB 100\_0 NTN

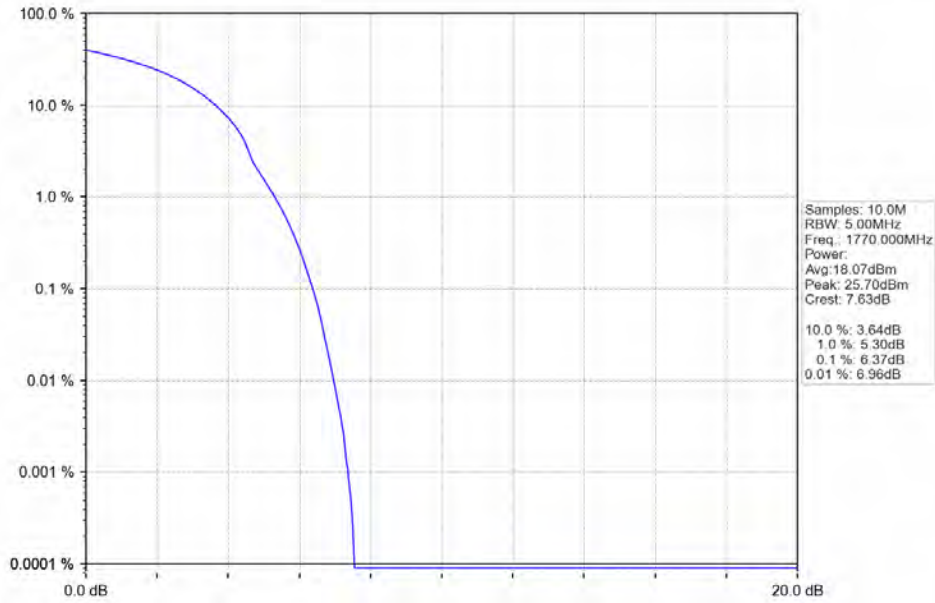


Band 66 20MHz QPSK MCH 1745MHz RB 100\_0 NTN

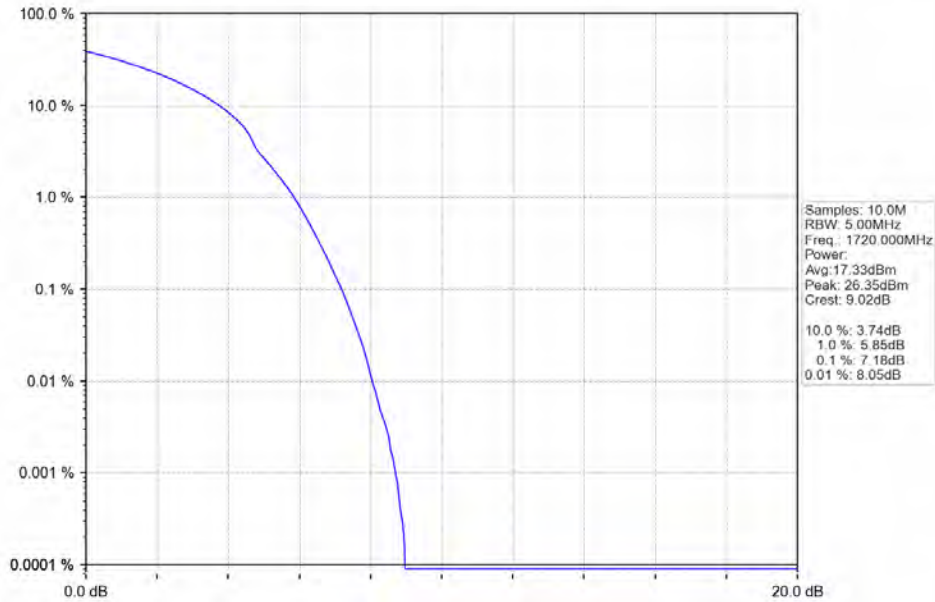




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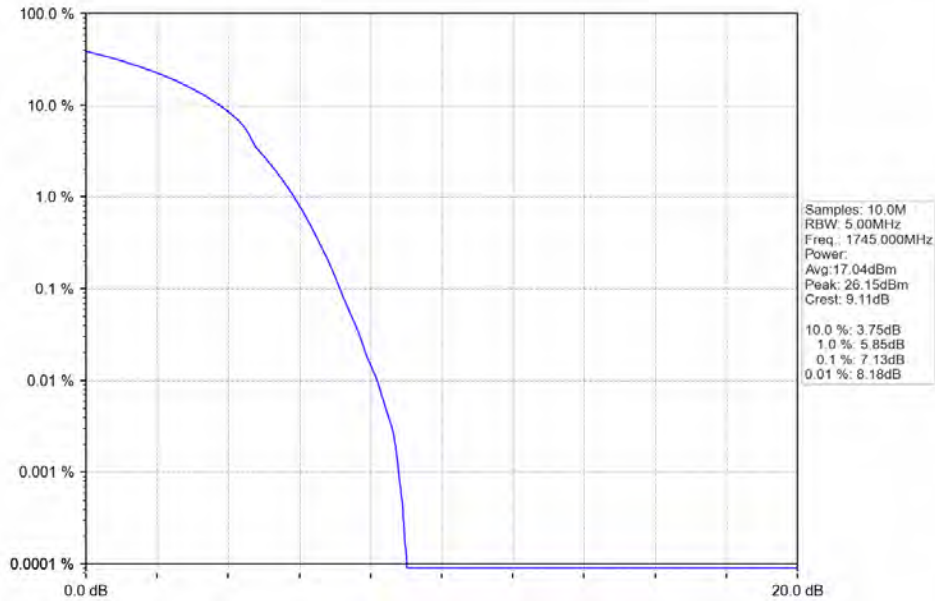


Band 66 20MHz 16QAM LCH 1720MHz RB 100 0 NTV

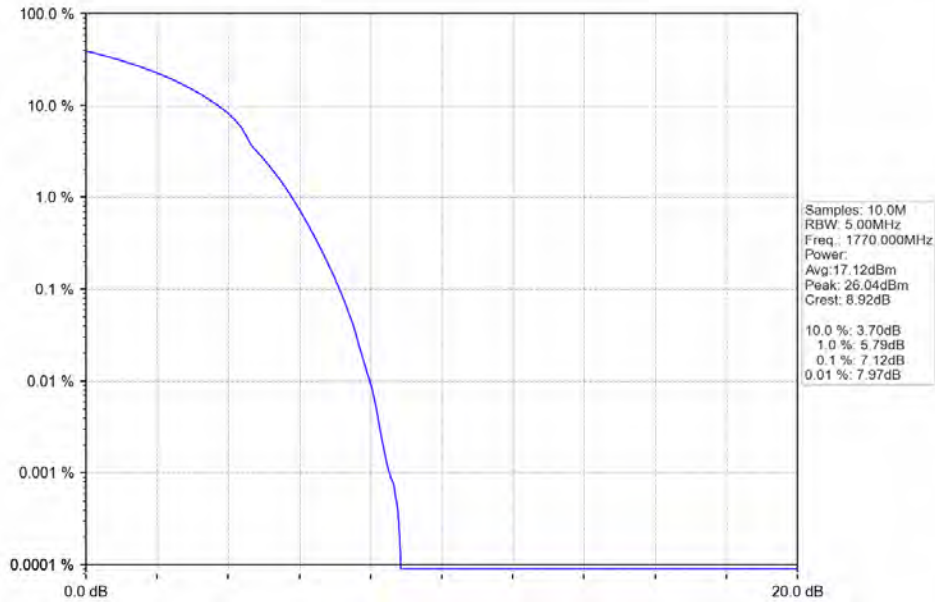




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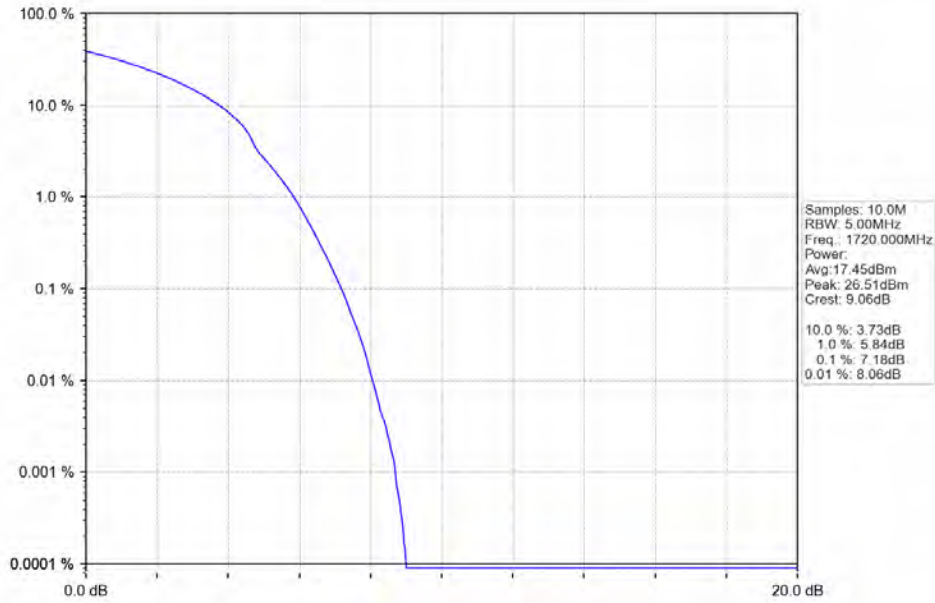
Band 66 20MHz 16QAM HCH 1770MHz RB 100 0 NTV



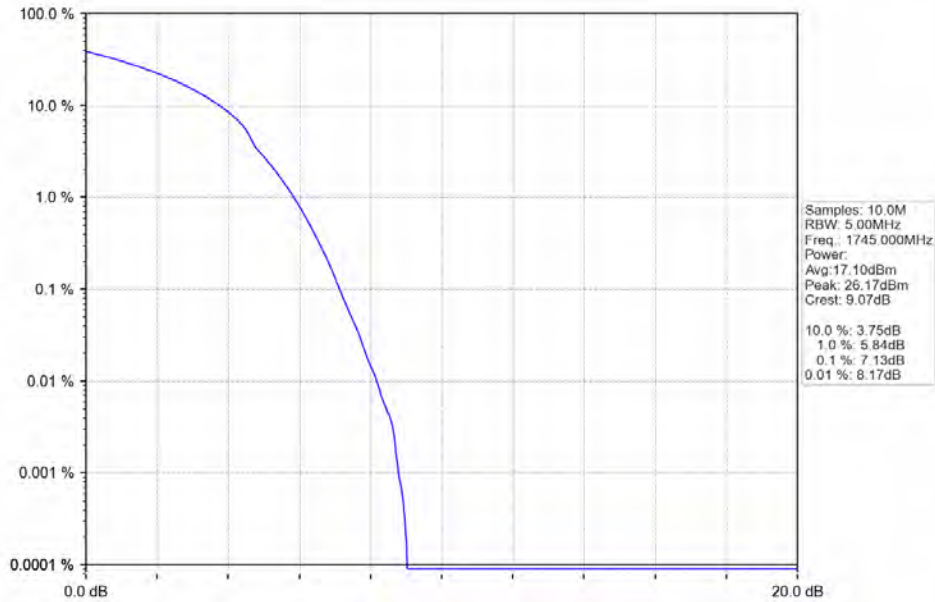


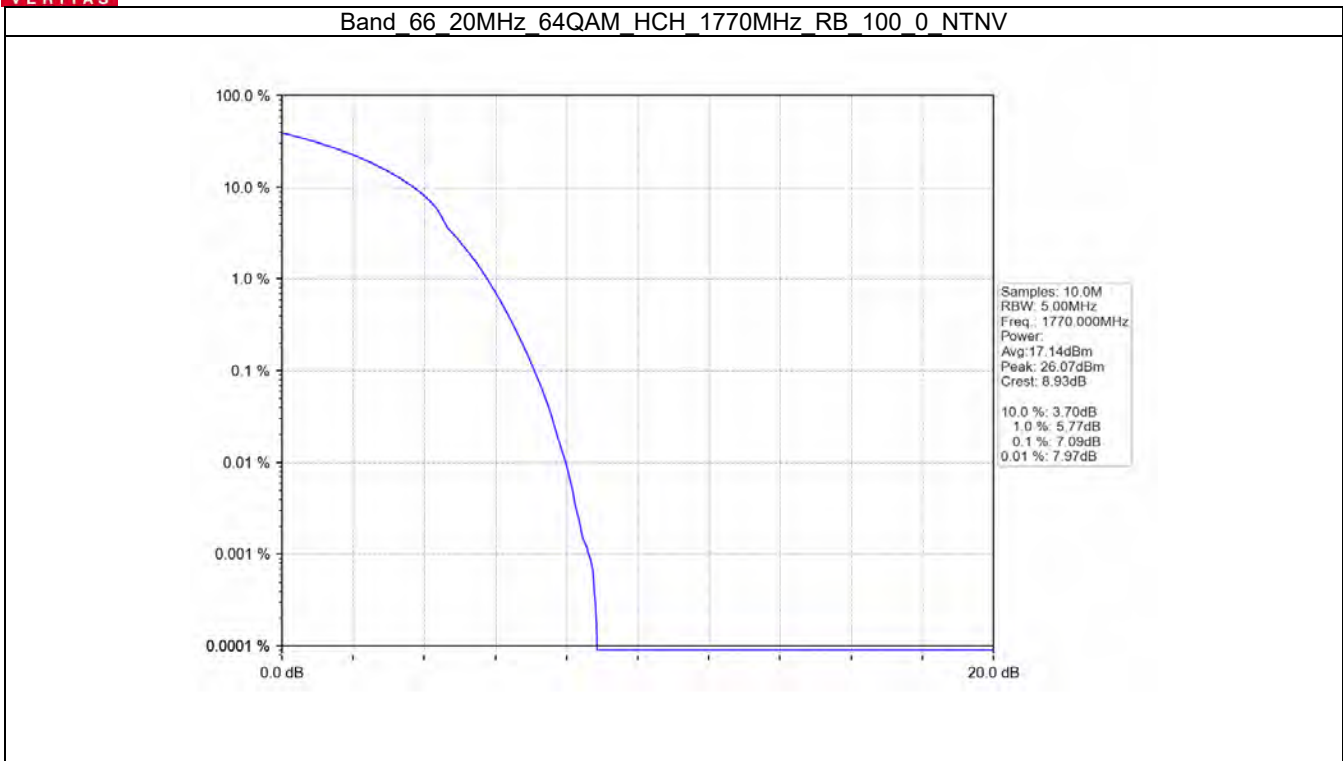


Band 66 20MHz 64QAM LCH 1720MHz RB 100 0 NTV



Band 66 20MHz 64QAM MCH 1745MHz RB 100 0 NTV





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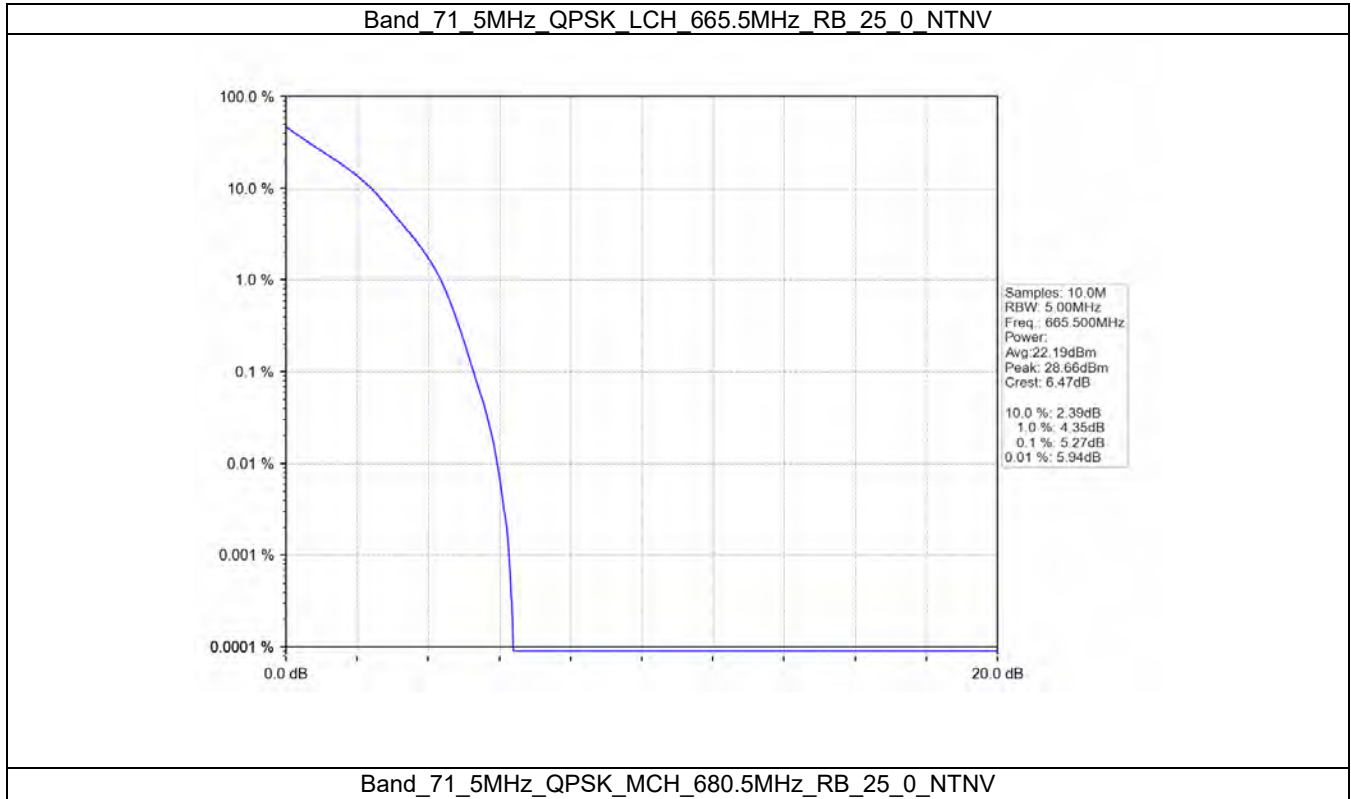
### 3.8 LTE Band 71

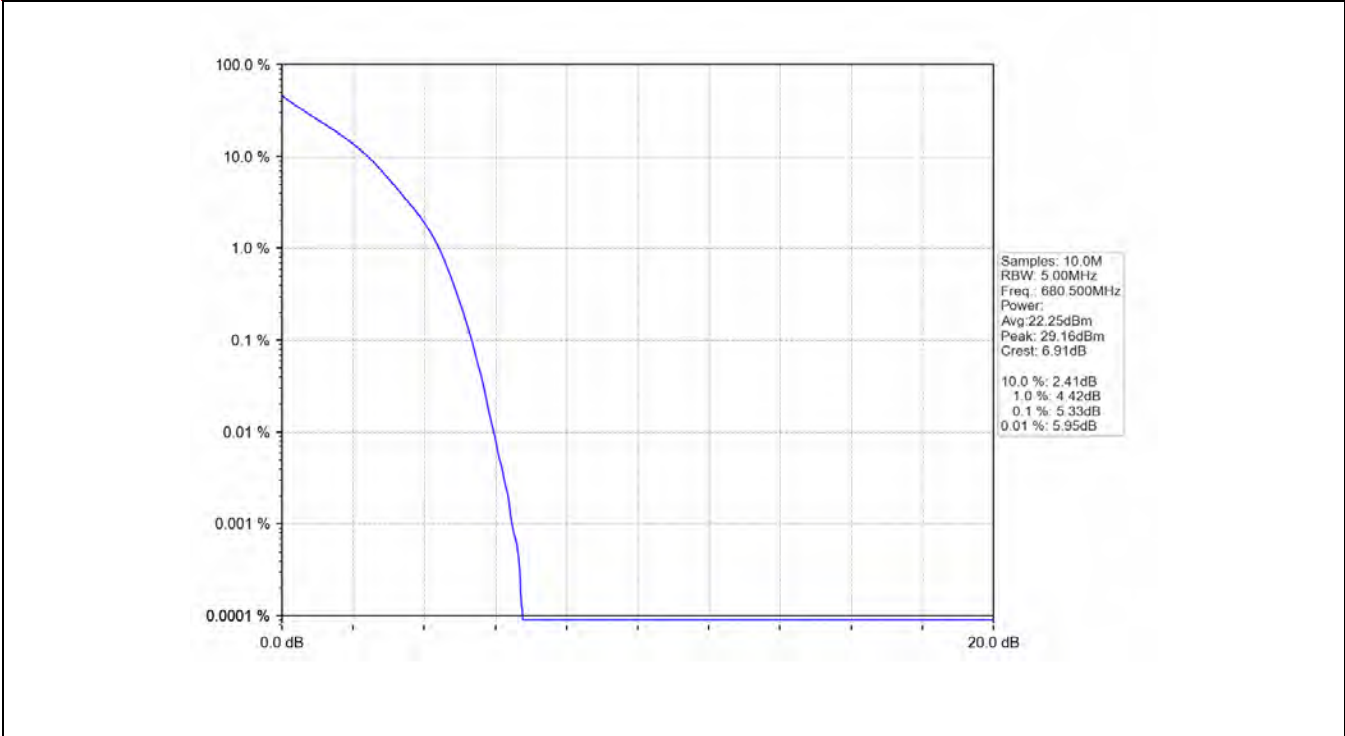
#### 3.8.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	25	0	5.27	5.33	5.37	<=13	Pass
16QAM	25	0	6.00	6.07	6.10	<=13	Pass
64QAM	25	0	6.00	6.07	6.09	<=13	Pass
Band: 71 / Bandwidth: 10MHz / NTV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	50	0	4.60	4.53	4.64	<=13	Pass
16QAM	50	0	6.01	6.01	6.00	<=13	Pass
64QAM	50	0	6.01	6.00	6.00	<=13	Pass
Band: 71 / Bandwidth: 15MHz / NTV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	75	0	5.79	5.60	5.82	<=13	Pass
16QAM	75	0	6.74	6.63	6.87	<=13	Pass
64QAM	75	0	7.26	7.02	7.43	<=13	Pass
Band: 71 / Bandwidth: 20MHz / NTV							
Modulation	RB Allocation		Peak-Average Ratio (dB)				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	100	0	6.54	6.15	6.53	<=13	Pass
16QAM	100	0	7.17	6.86	7.22	<=13	Pass
64QAM	100	0	7.18	6.85	7.22	<=13	Pass



### 3.8.2 Test Graph





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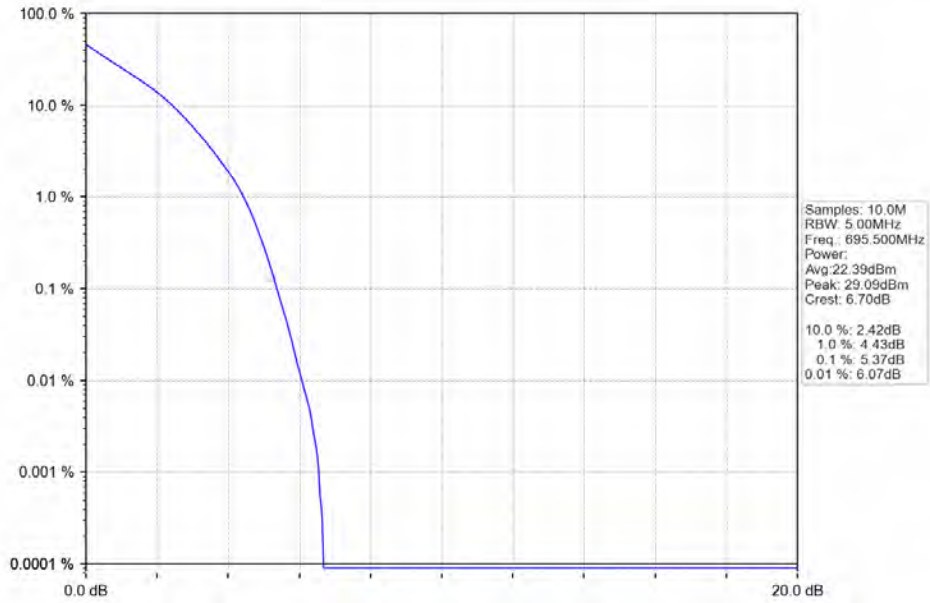
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



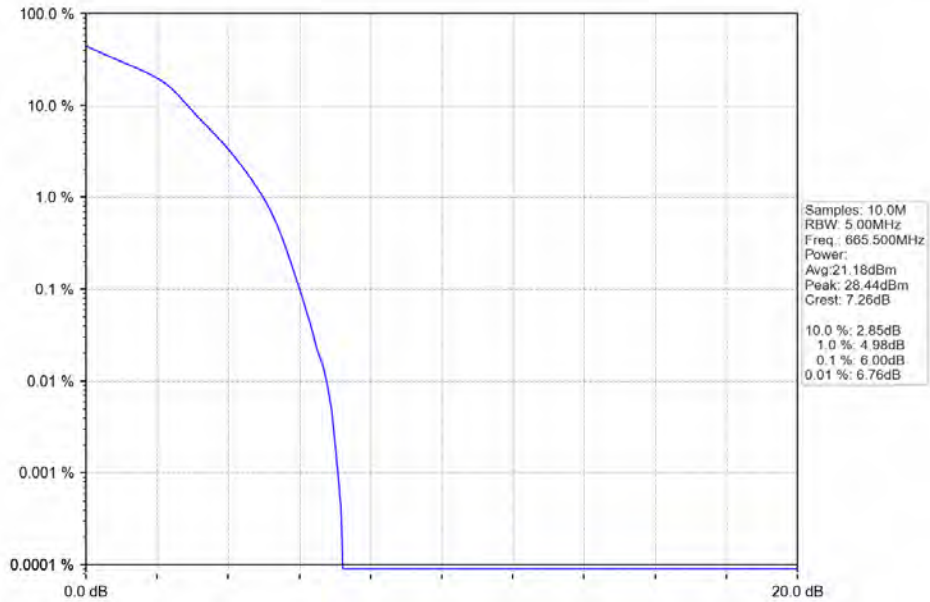
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

**Band 71 5MHz QPSK HCH 695.5MHz RB 25 0 NTNV**



**Band 71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTNV**



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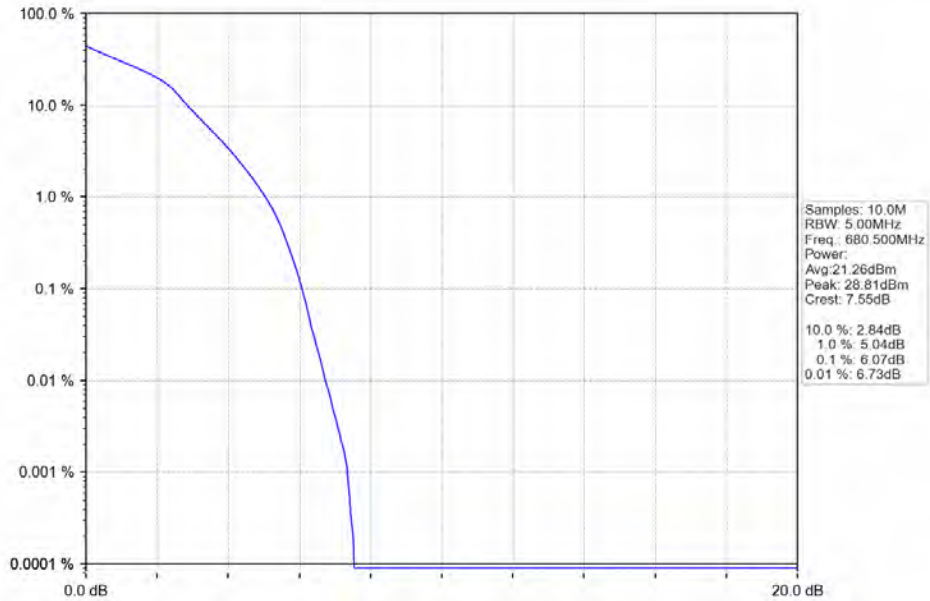
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Fax: +86 755 8869 6577

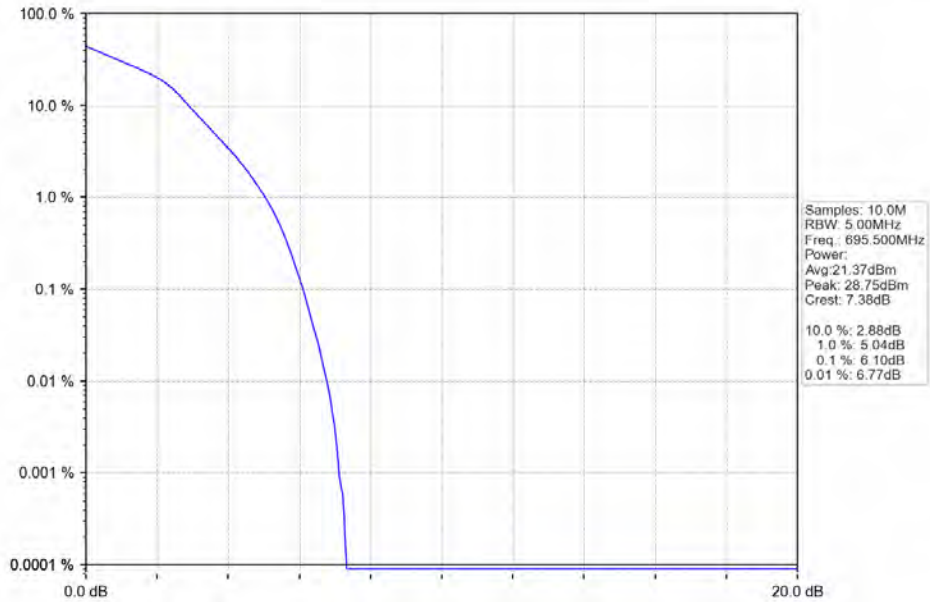
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



Band 71\_5MHz\_16QAM\_MCH\_680.5MHz\_RB\_25\_0\_NTNV

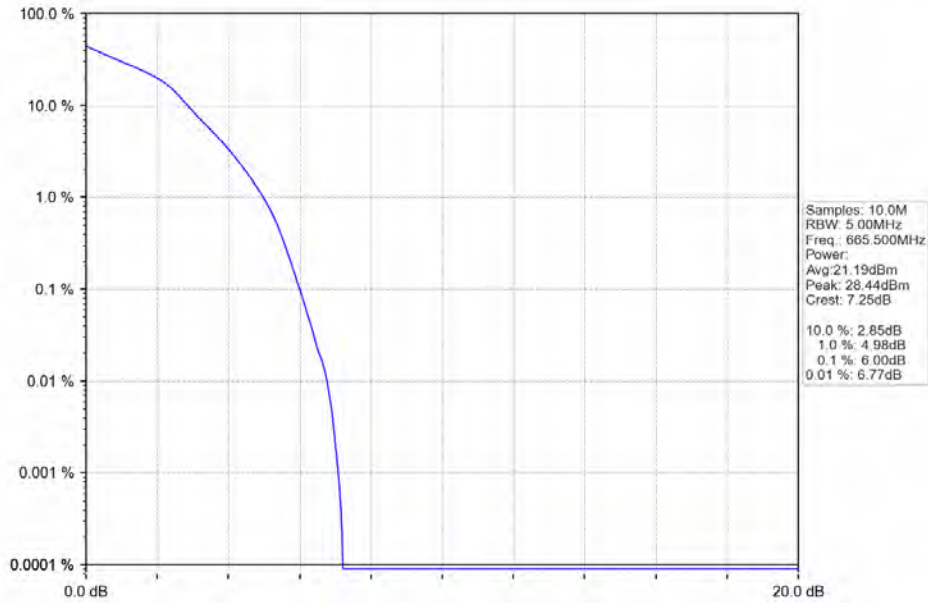


Band 71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_25\_0\_NTNV

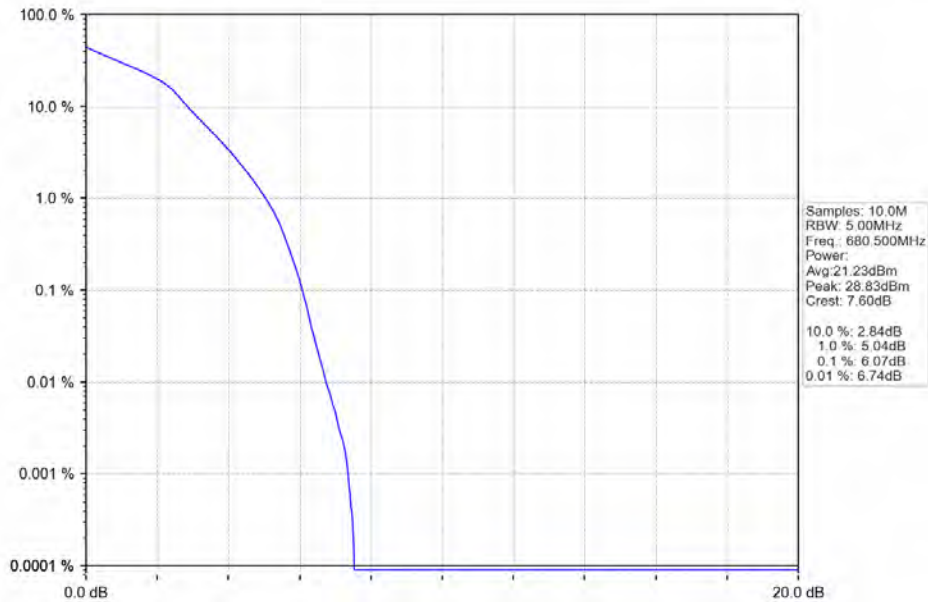




Band 71\_5MHz\_64QAM\_LCH\_665.5MHz\_RB\_25\_0\_NTNV



Band 71\_5MHz\_64QAM\_MCH\_680.5MHz\_RB\_25\_0\_NTNV







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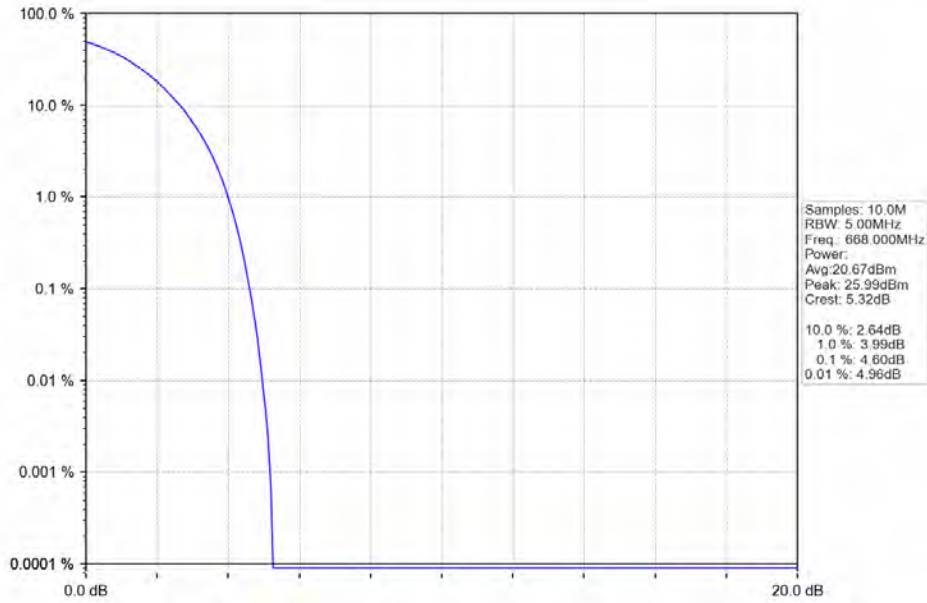
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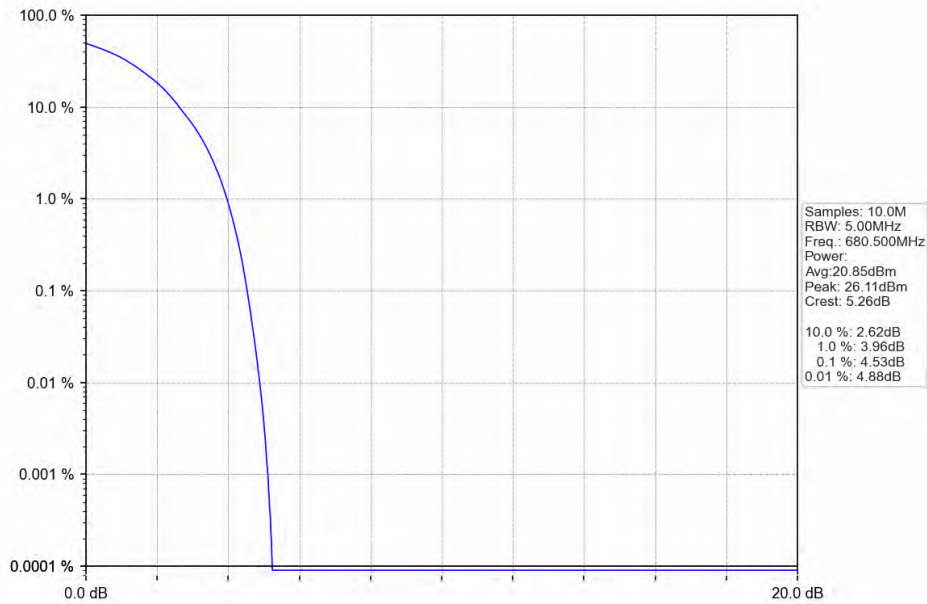
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**Band 71 10MHz QPSK LCH 668MHz RB 50 0 NTV**



**Band 71 10MHz QPSK MCH 680.5MHz RB 50 0 NTV**

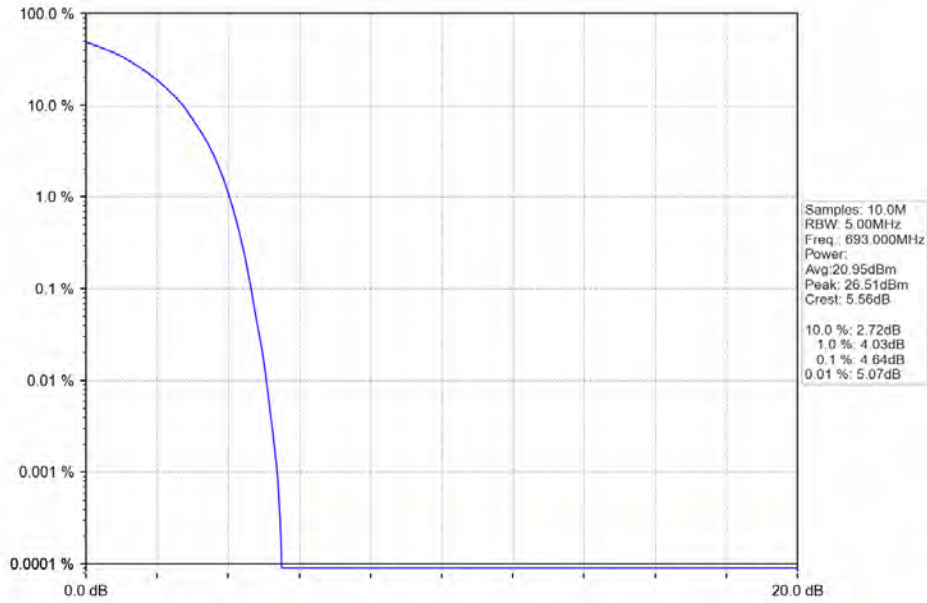




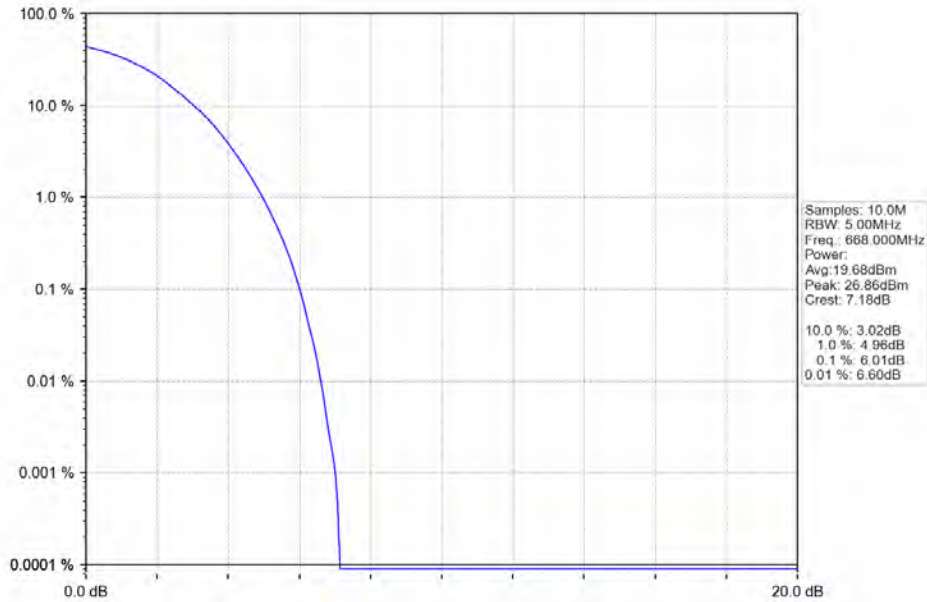
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**Test Report No.: W7L-P20210616-3RF03**

**Band 71 10MHz QPSK HCH 693MHz RB 50 0 NTV**



**Band 71 10MHz 16QAM LCH 668MHz RB 50 0 NTV**



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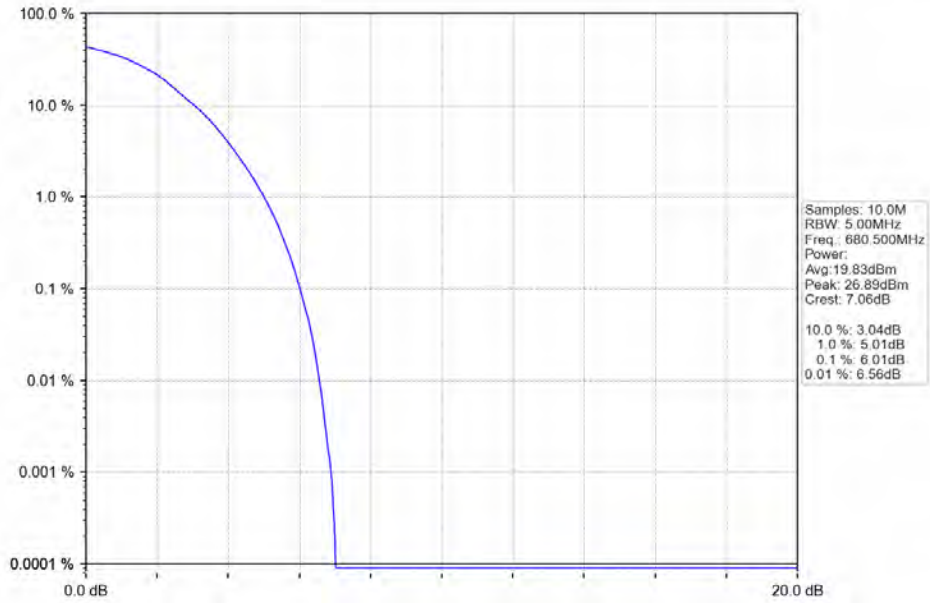
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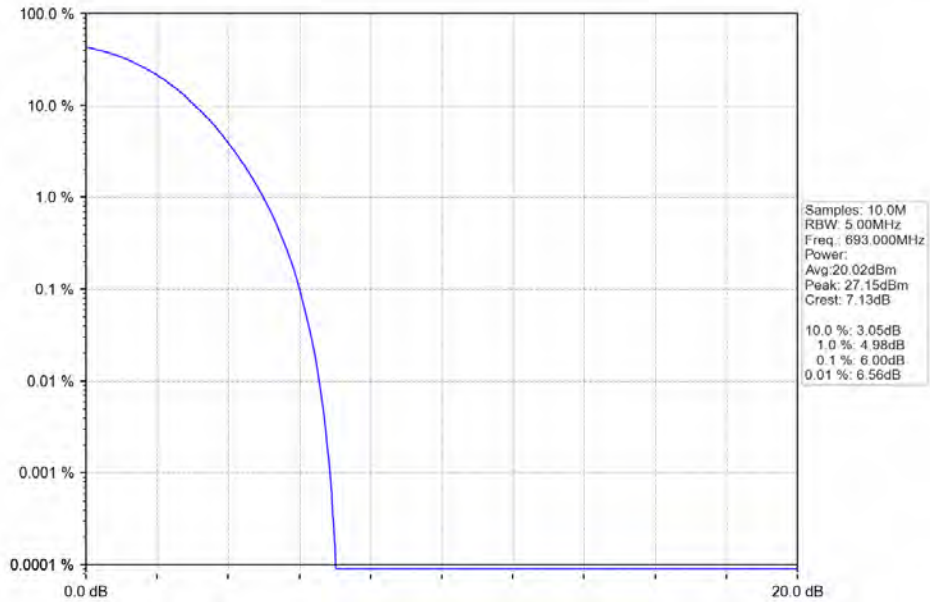
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**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 71 10MHz 16QAM MCH 680.5MHz RB 50 0 NTN



Band 71 10MHz 16QAM HCH 693MHz RB 50 0 NTN



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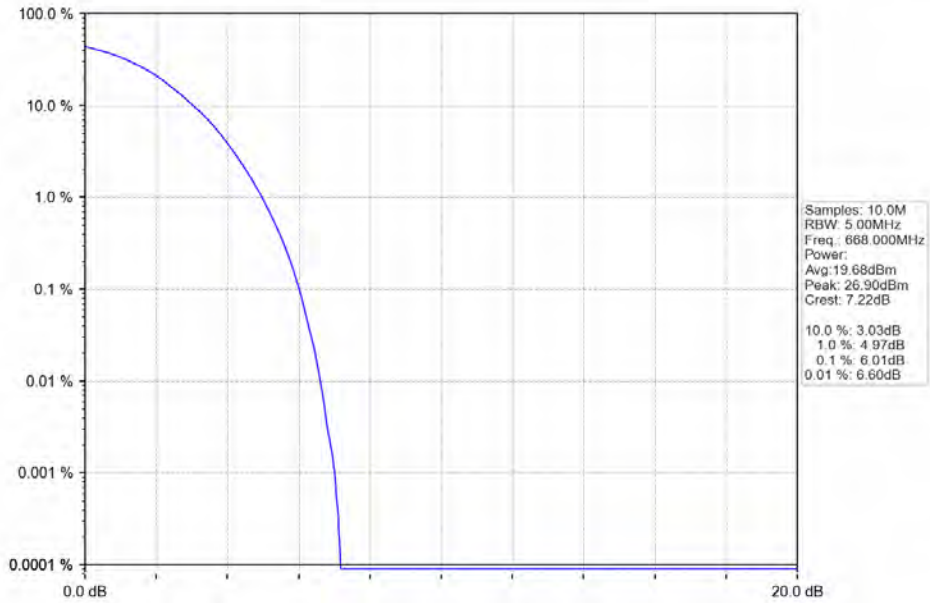
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Fax: +86 755 8869 6577

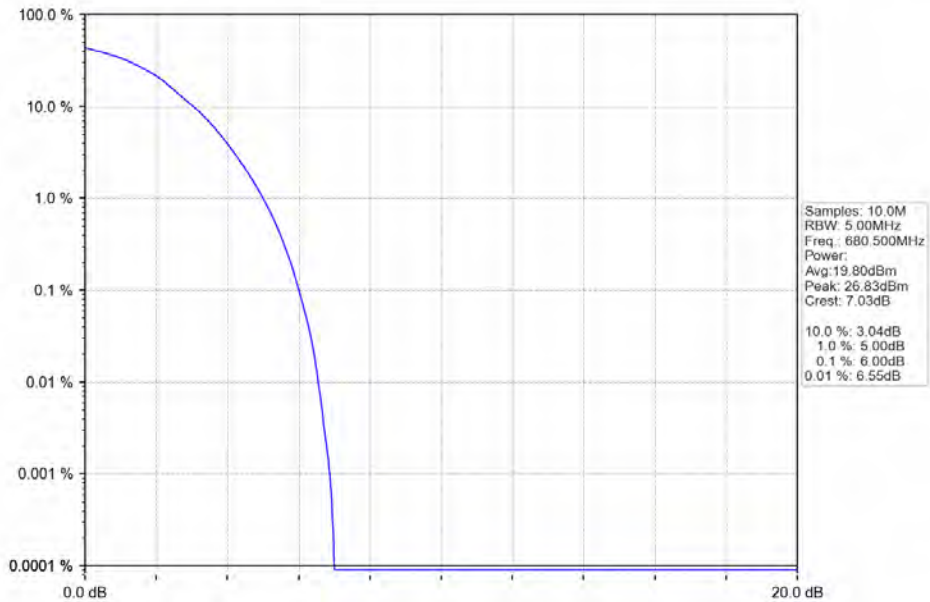
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Band\_71\_10MHz\_64QAM\_LCH\_668MHz\_RB\_50\_0\_NTNV



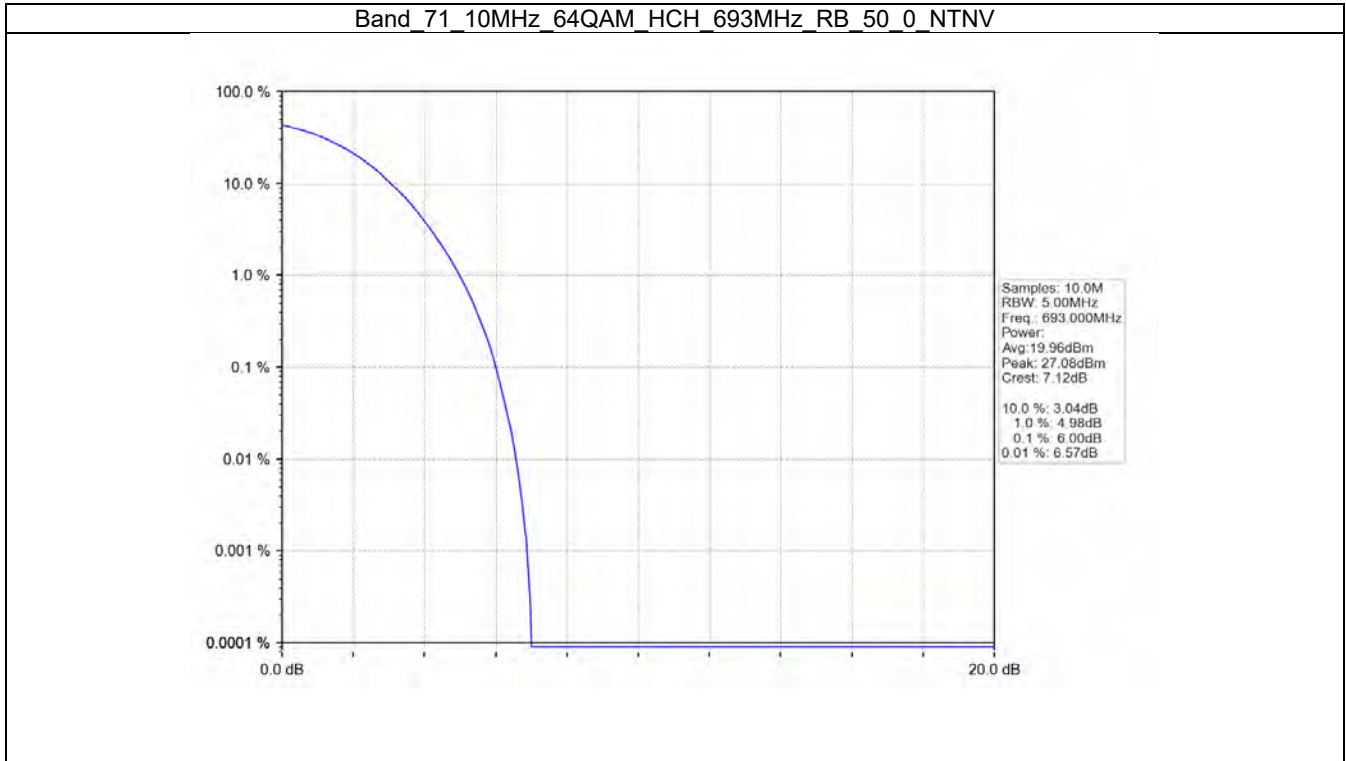
Band\_71\_10MHz\_64QAM\_MCH\_680.5MHz\_RB\_50\_0\_NTNV





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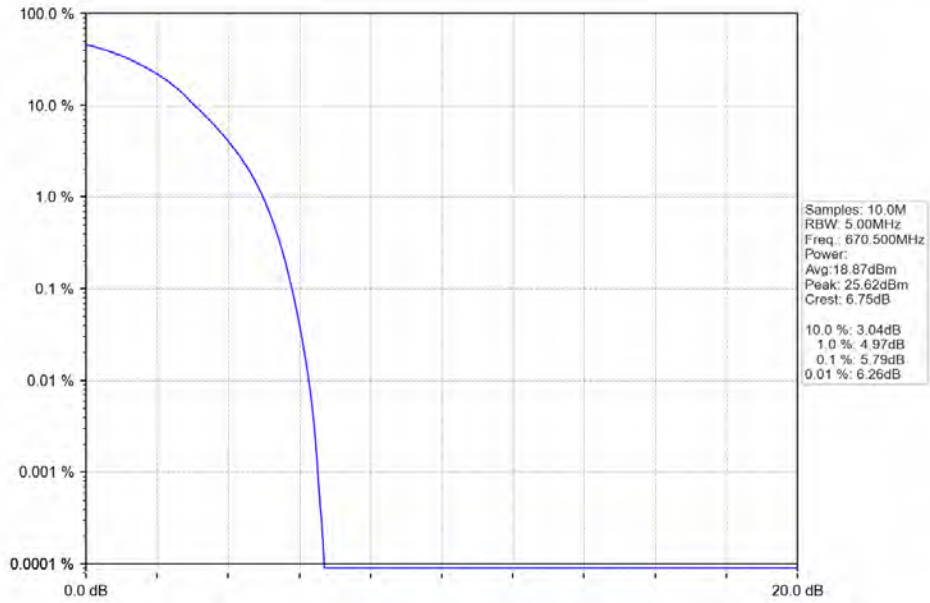
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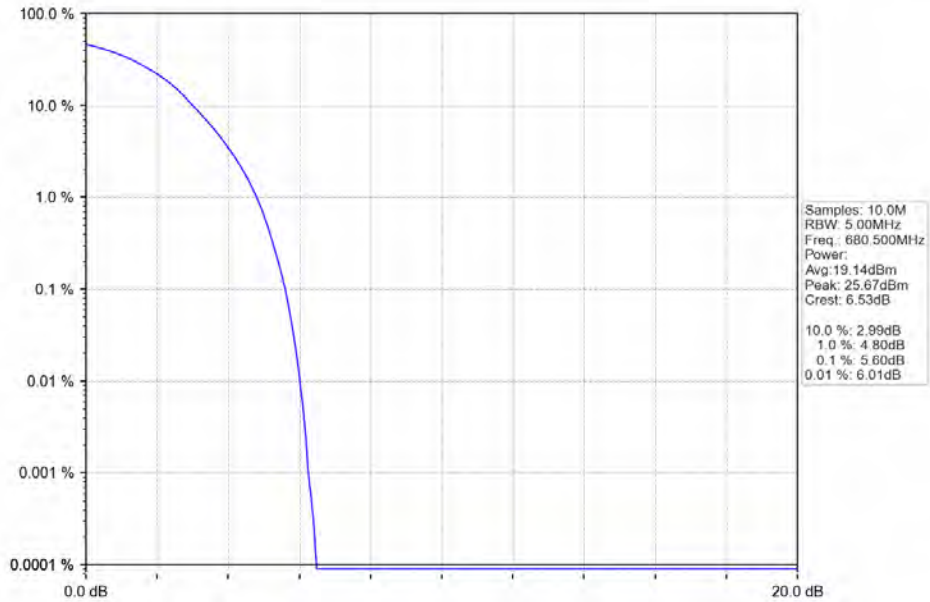
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Band 71 15MHz QPSK LCH 670.5MHz RB 75 0 NTNV

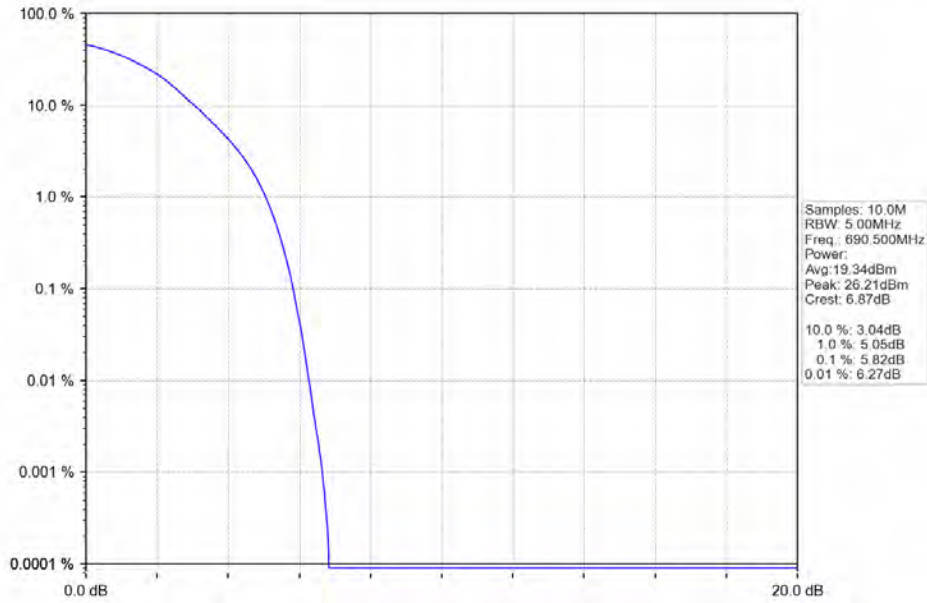


Band 71 15MHz QPSK MCH 680.5MHz RB 75 0 NTNV

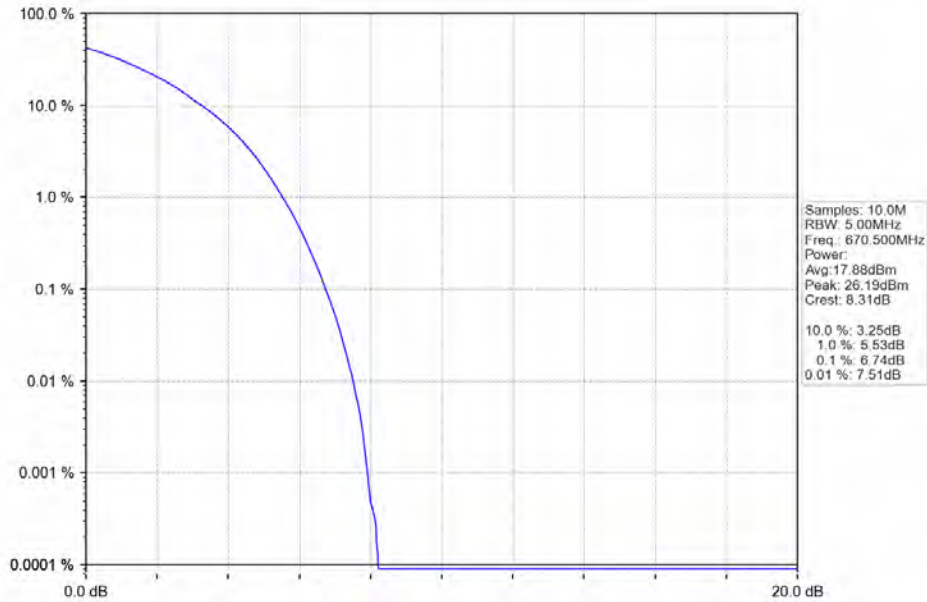




**Band 71 15MHz QPSK HCH 690.5MHz RB 75 0 NTN**



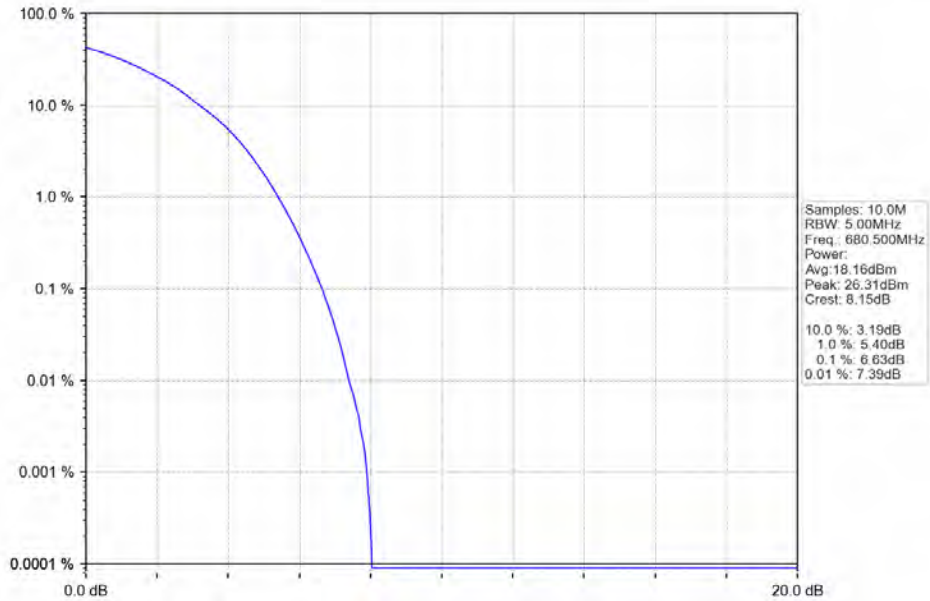
**Band 71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTN**



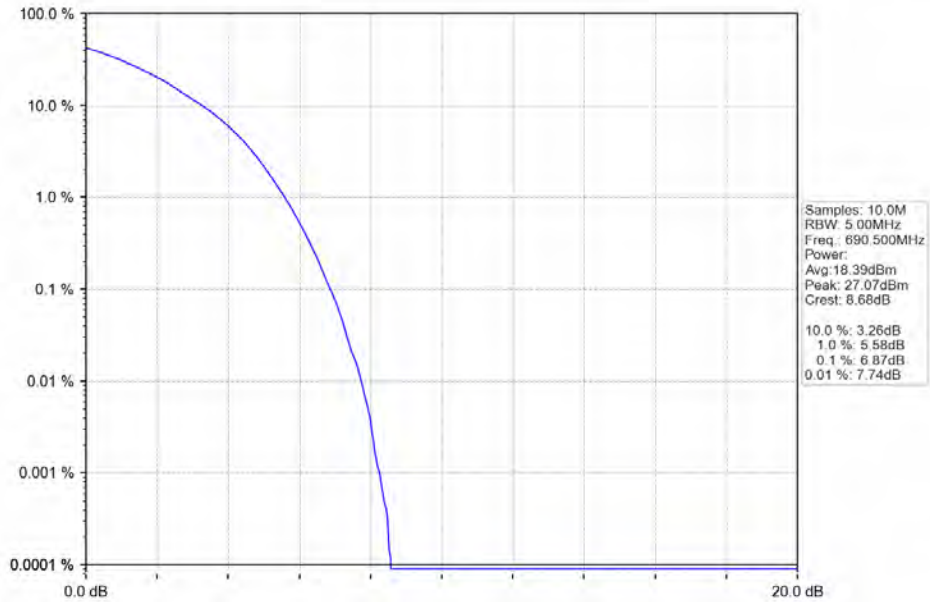




Band 71 15MHz 16QAM MCH 680.5MHz RB 75 0 NTV



Band 71 15MHz 16QAM HCH 690.5MHz RB 75 0 NTV

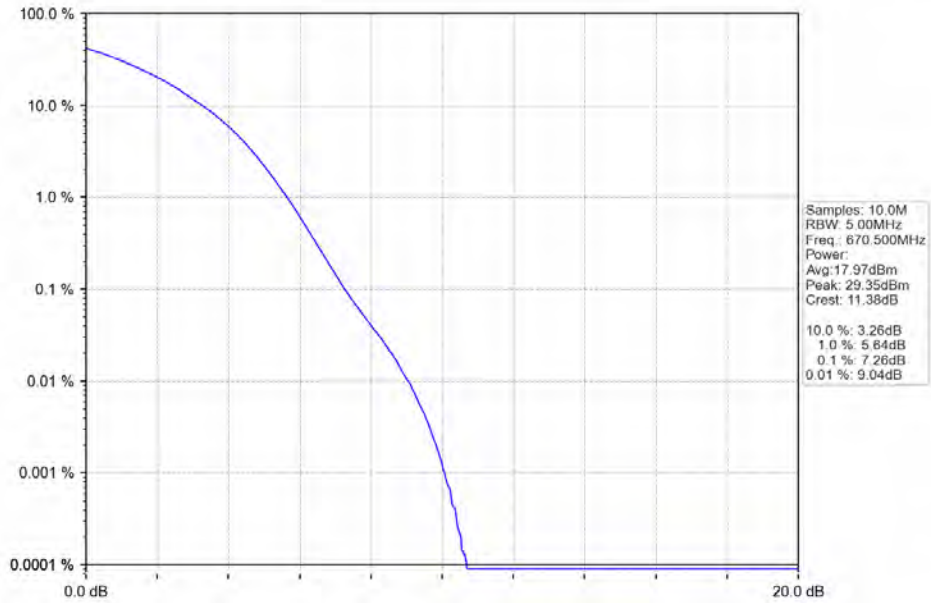




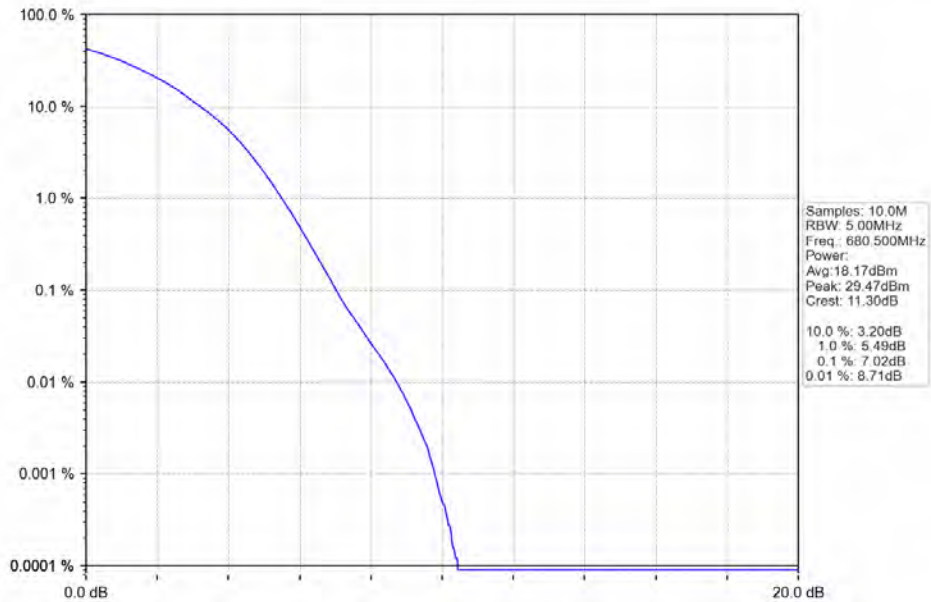
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**Test Report No.: W7L-P20210616-3RF03**

Band 71 15MHz 64QAM LCH 670.5MHz RB 75 0 NTV



Band 71 15MHz 64QAM MCH 680.5MHz RB 75 0 NTV



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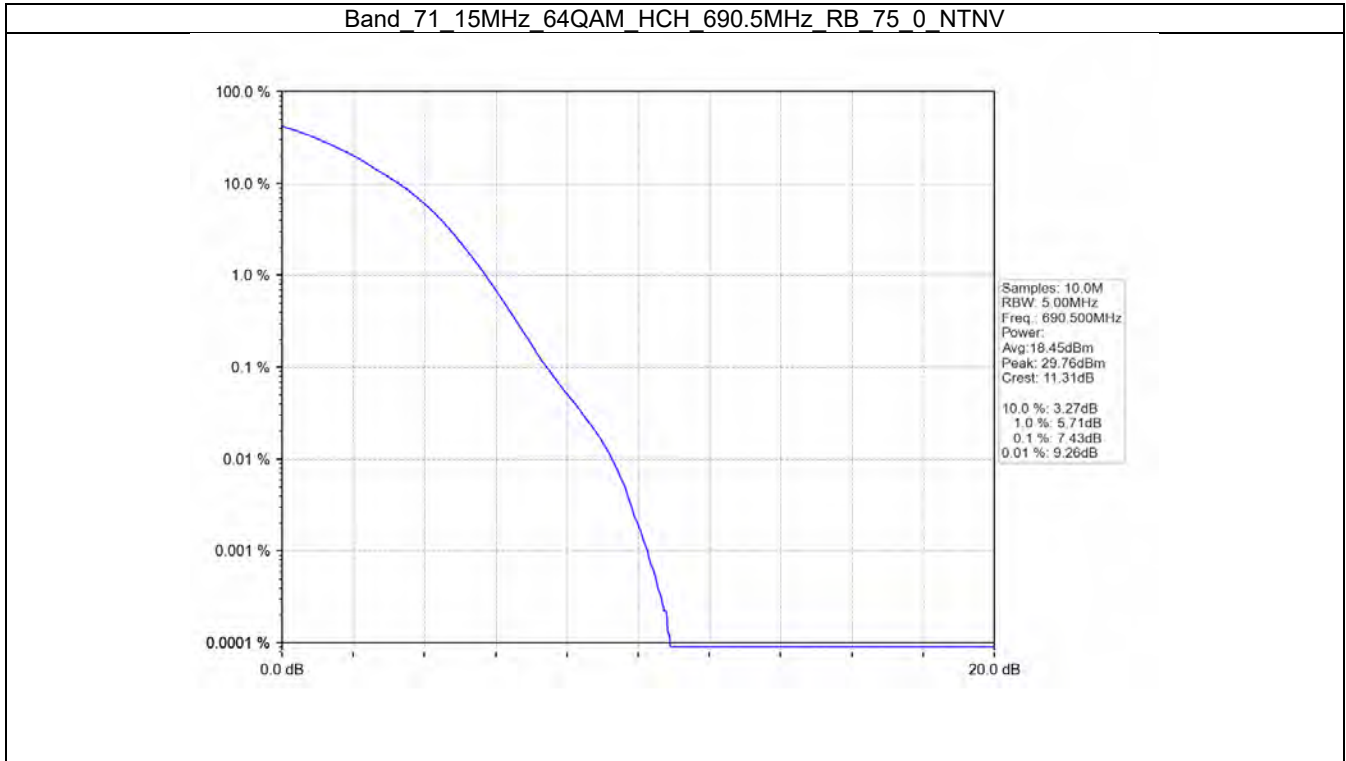
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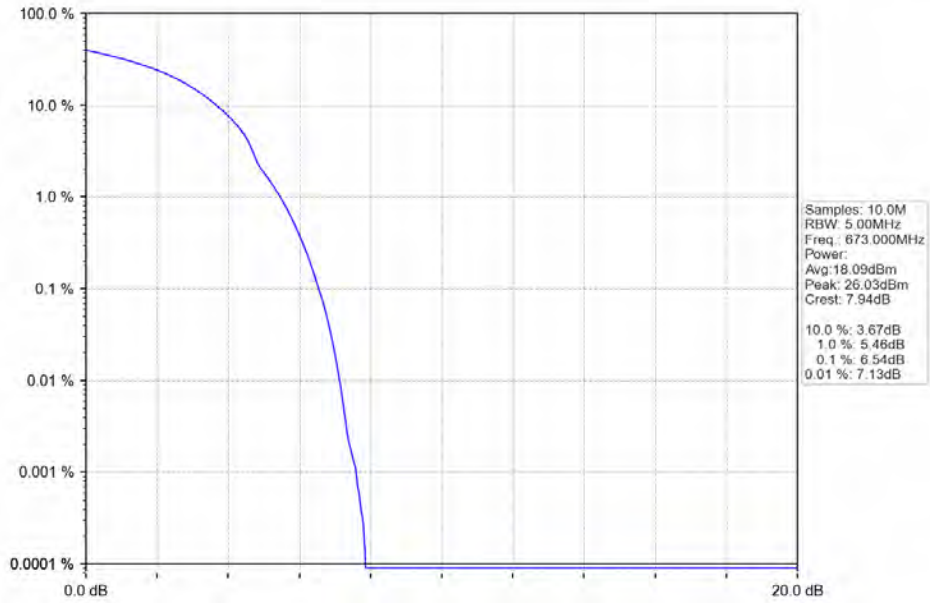
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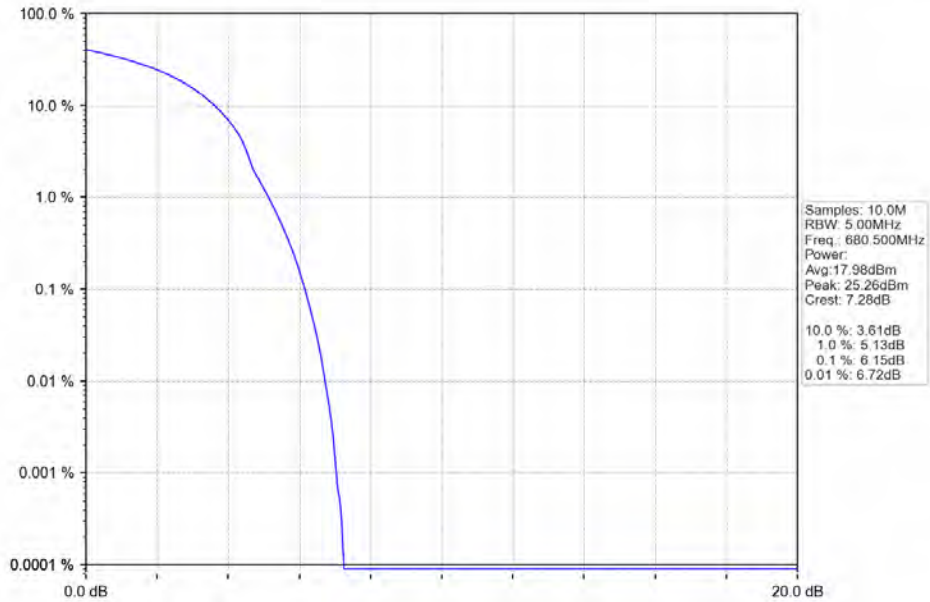
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 71 20MHz QPSK LCH 673MHz RB 100 0 NTVN



Band 71 20MHz QPSK MCH 680.5MHz RB 100 0 NTVN



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No.B102, Dazu Chuangxin Mansion, North of Beihuan  
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District, Shenzhen, Guangdong, China

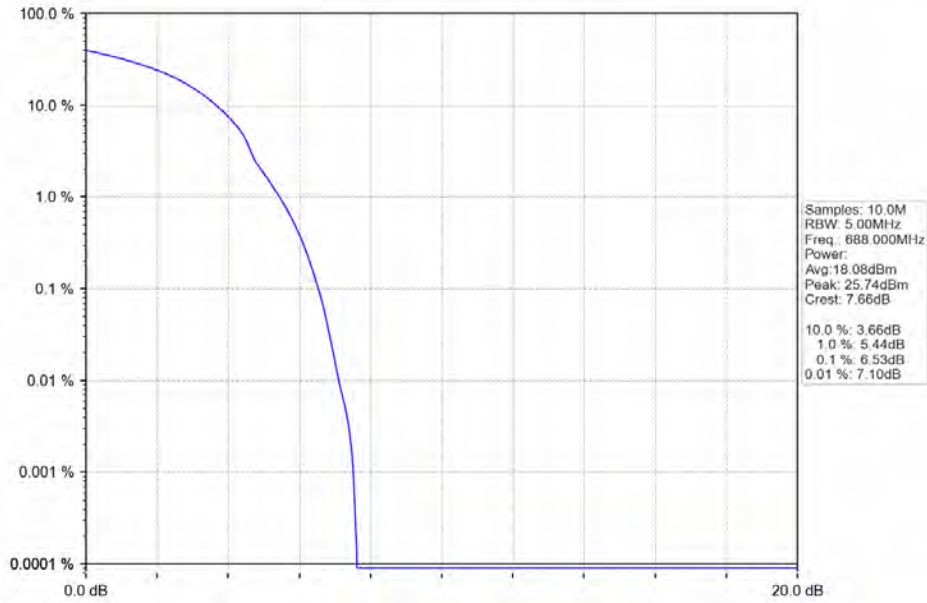
Tel: +86 755 8869 6566

Fax: +86 755 8869 6577

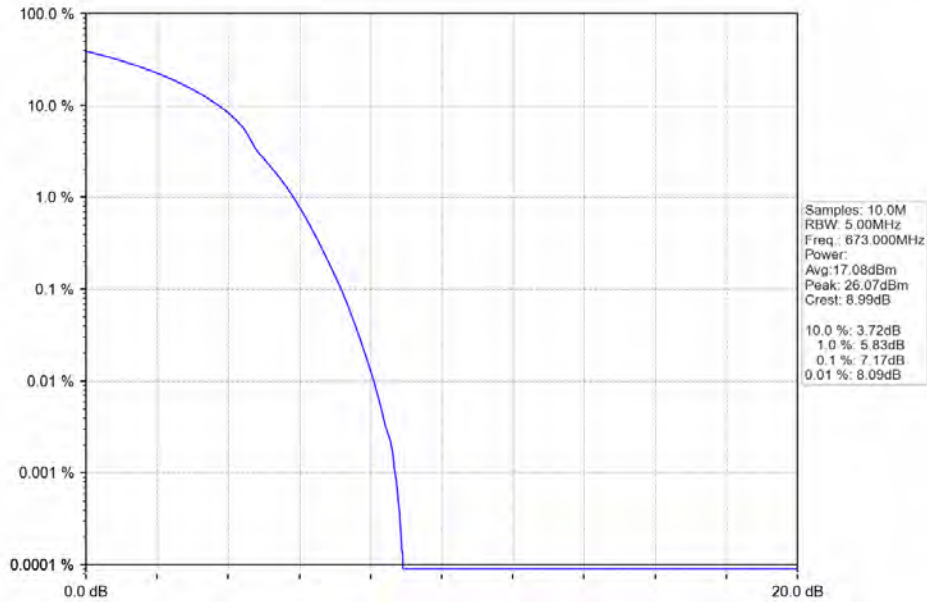
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



Band 71 20MHz QPSK HCH 688MHz RB 100 0 NTNV

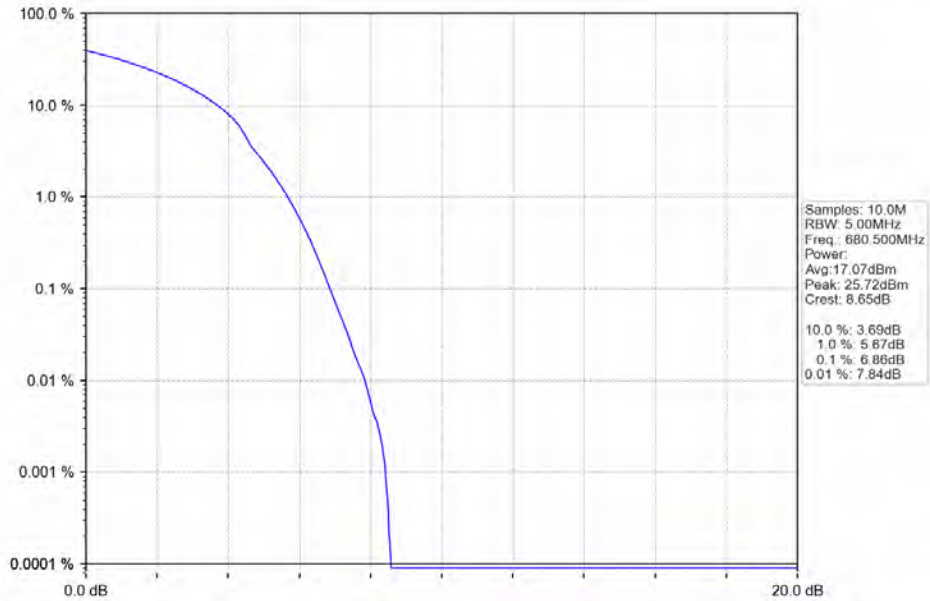


Band 71 20MHz 16QAM LCH 673MHz RB 100 0 NTNV

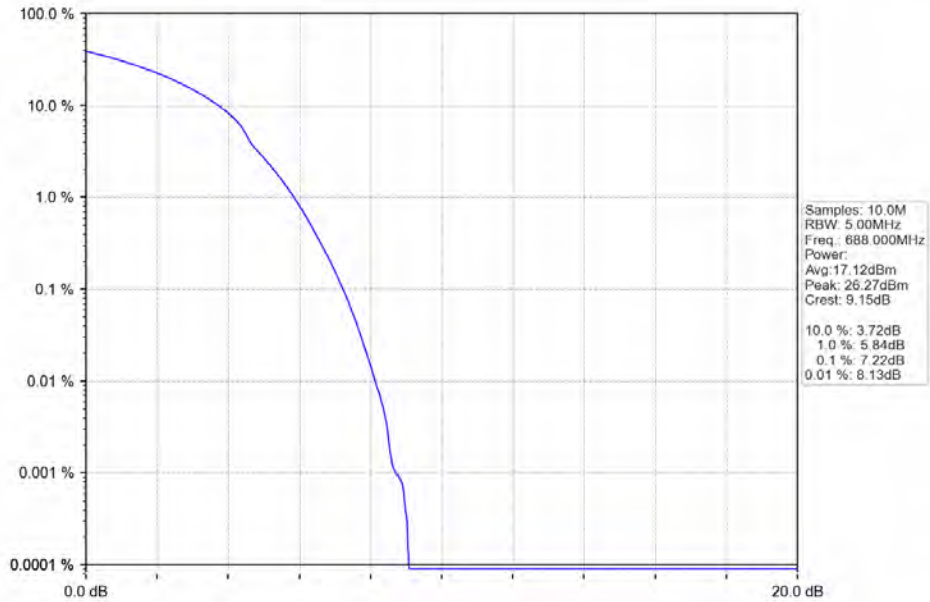




Band 71 20MHz 16QAM MCH 680.5MHz RB 100 0 NTNV



Band 71 20MHz 16QAM HCH 688MHz RB 100 0 NTNV

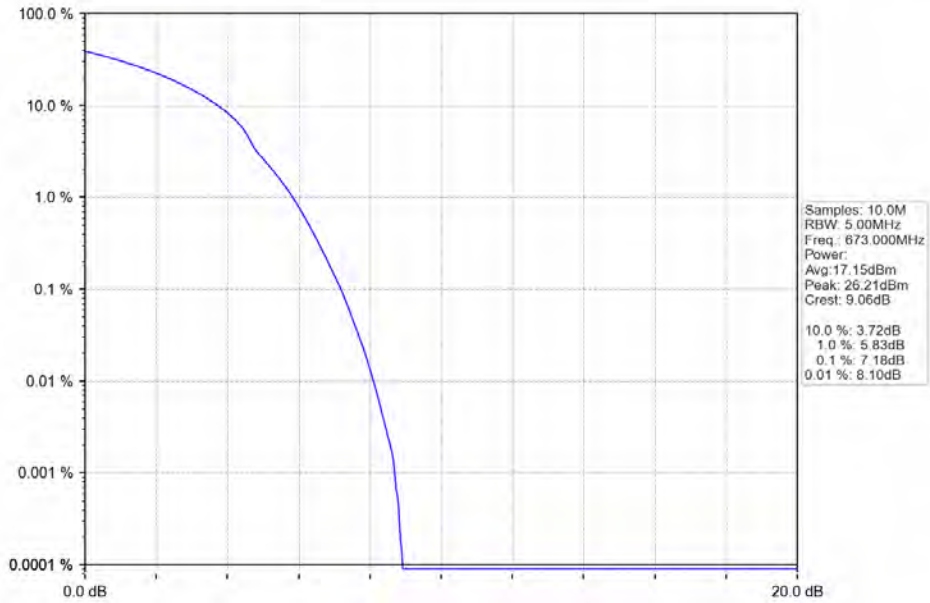




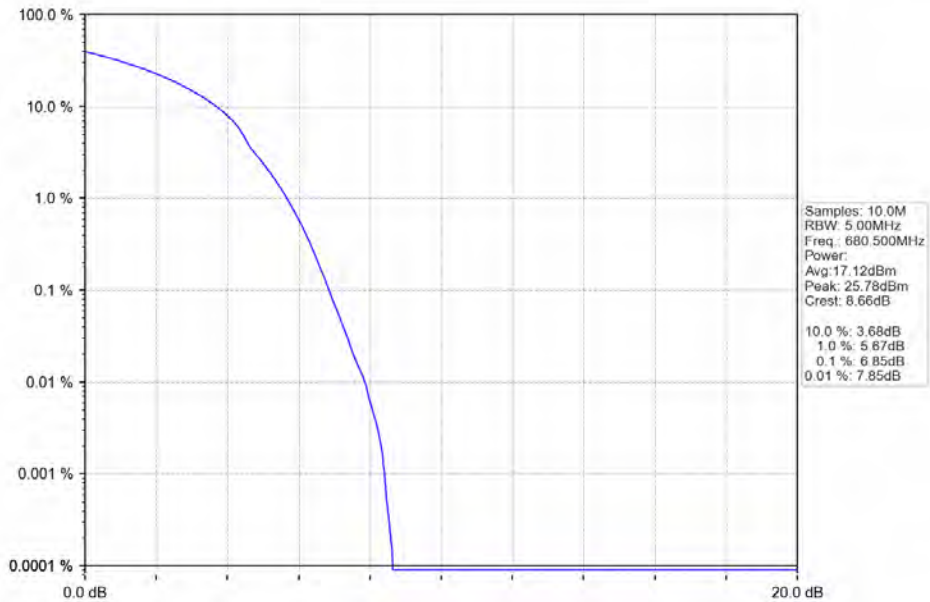
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band 71 20MHz 64QAM LCH 673MHz RB 100\_0 NTN



Band 71 20MHz 64QAM MCH 680.5MHz RB 100\_0 NTN



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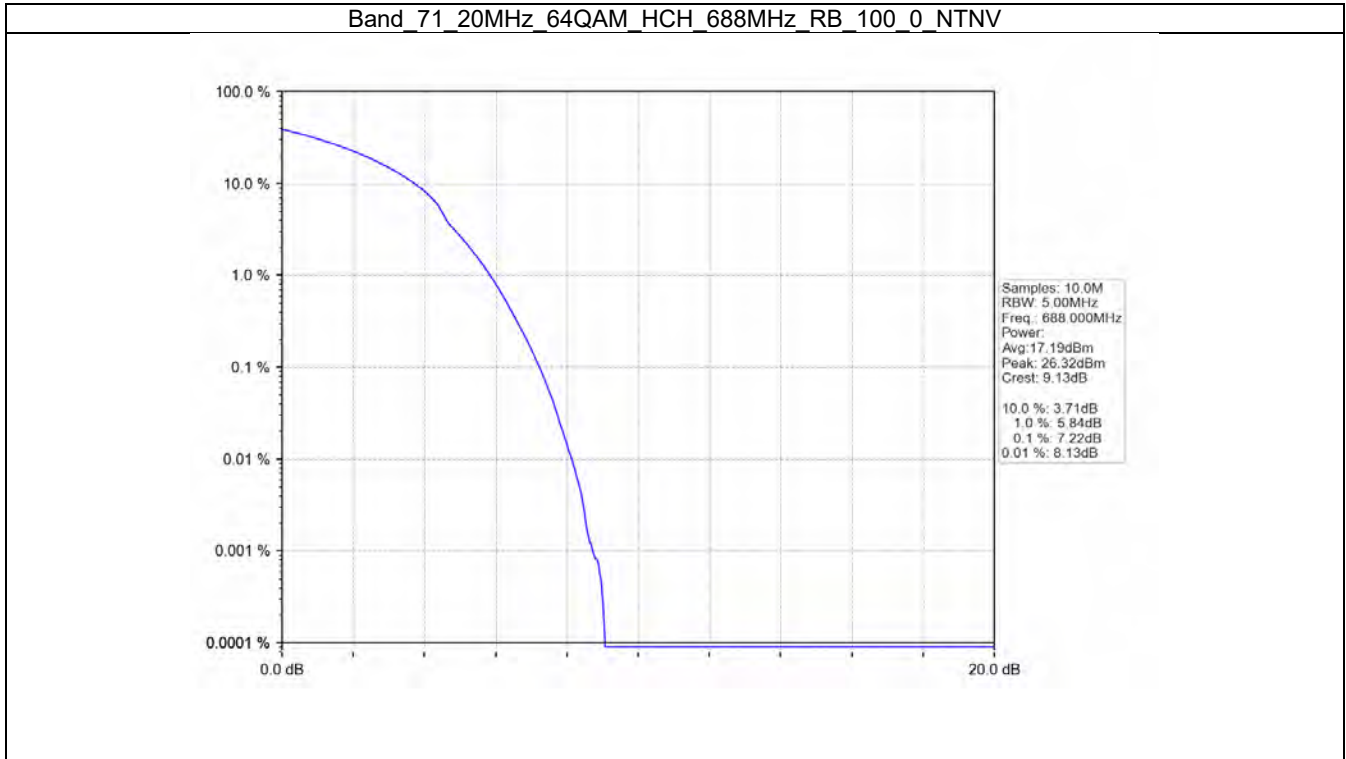
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### 3.9 LTE Band 41

#### 3.9.1 Test Result

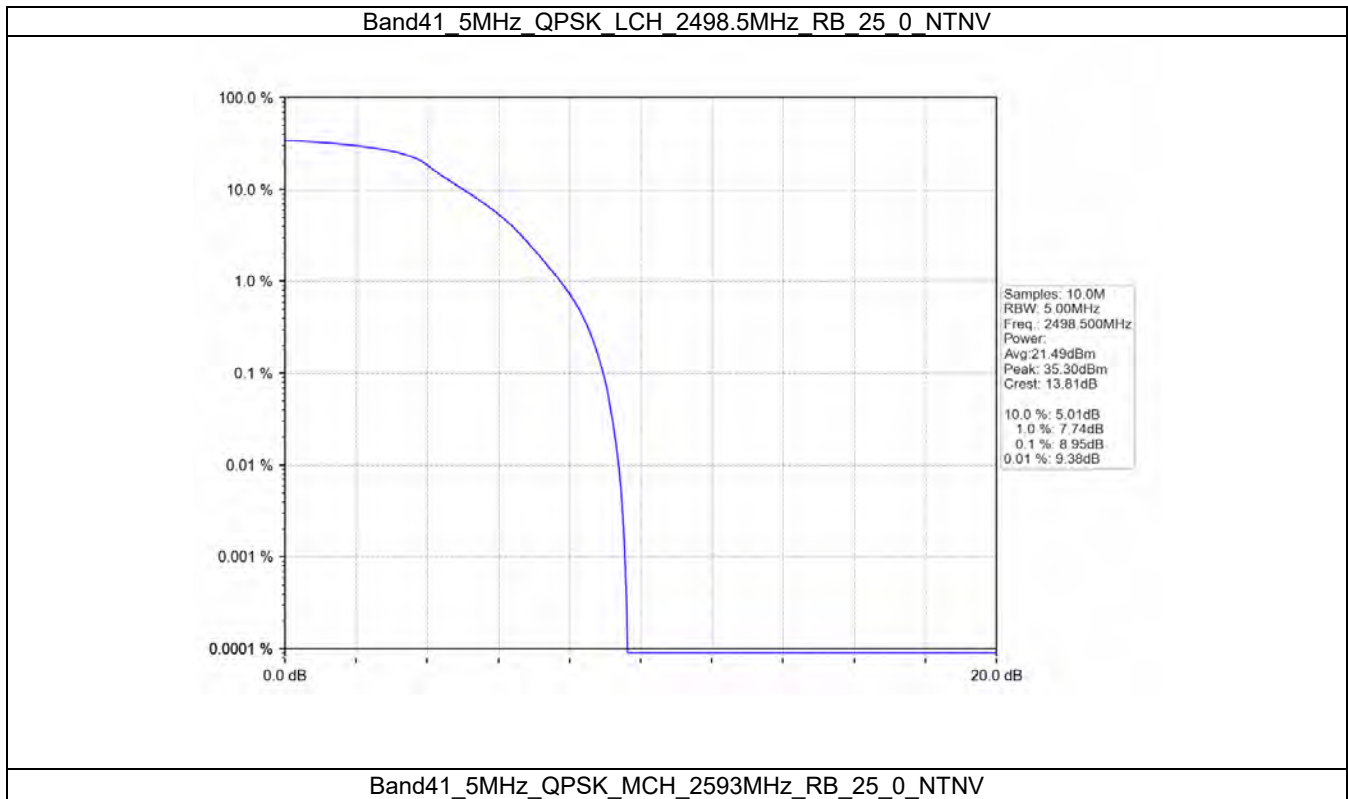
Band: 41 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	25	0	8.95	<=13	Pass
	2593	25	0	8.92	<=13	Pass
	2687.5	25	0	8.69	<=13	Pass
16QAM	2498.5	25	0	9.48	<=13	Pass
	2593	25	0	10.13	<=13	Pass
	2687.5	25	0	9.66	<=13	Pass
64QAM	2498.5	25	0	9.46	<=13	Pass
	2593	25	0	9.75	<=13	Pass
	2687.5	25	0	9.56	<=13	Pass
Band: 41 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	50	0	8.34	<=13	Pass
	2593	50	0	8.40	<=13	Pass
	2685	50	0	8.33	<=13	Pass
16QAM	2501	50	0	9.56	<=13	Pass
	2593	50	0	9.90	<=13	Pass
	2685	50	0	9.47	<=13	Pass
64QAM	2501	50	0	9.73	<=13	Pass
	2593	50	0	9.95	<=13	Pass
	2685	50	0	9.90	<=13	Pass
Band: 41 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	75	0	9.49	<=13	Pass
	2593	75	0	9.59	<=13	Pass
	2682.5	75	0	9.30	<=13	Pass
16QAM	2503.5	75	0	10.42	<=13	Pass
	2593	75	0	10.41	<=13	Pass
	2682.5	75	0	3.6	<=13	Pass
64QAM	2503.5	75	0	10.33	<=13	Pass
	2593	75	0	10.46	<=13	Pass
	2682.5	75	0	10.42	<=13	Pass
Band: 41 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	100	0	10.08	<=13	Pass
	2593	100	0	9.87	<=13	Pass
	2680	100	0	10.18	<=13	Pass
16QAM	2506	100	0	10.46	<=13	Pass
	2593	100	0	10.73	<=13	Pass
	2680	100	0	10.72	<=13	Pass



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64QAM	2506	100	0	10.56	<=13	Pass
	2593	100	0	10.51	<=13	Pass
	2680	100	0	10.59	<=13	Pass

3.9.2 Test Graph



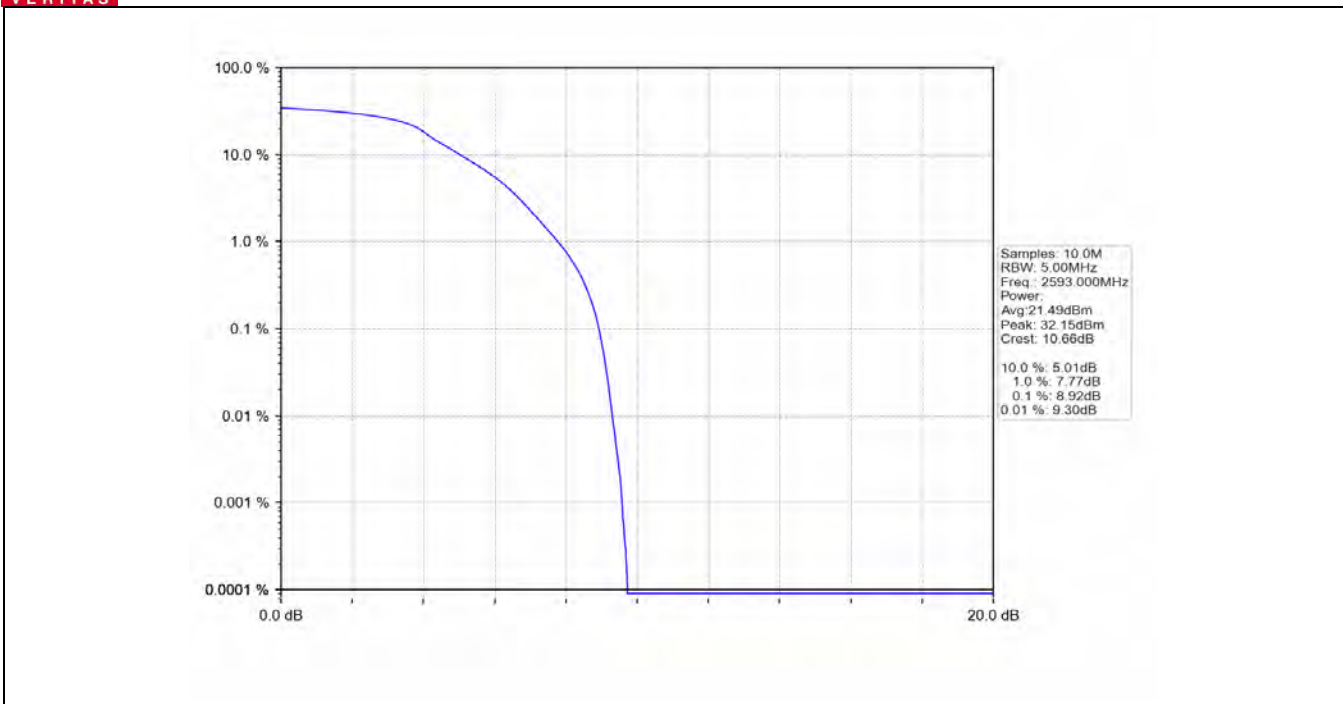
BV 7Layers Communications  
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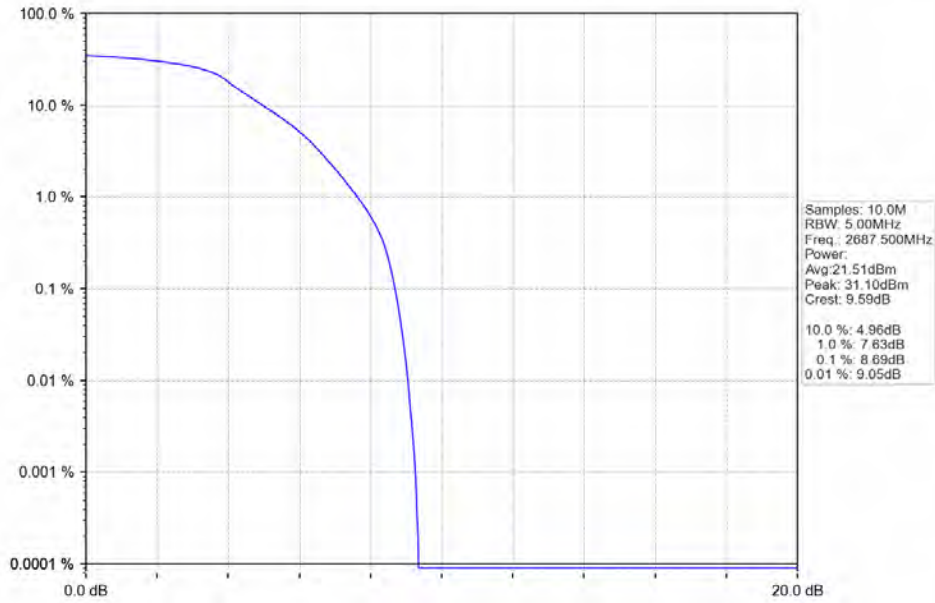




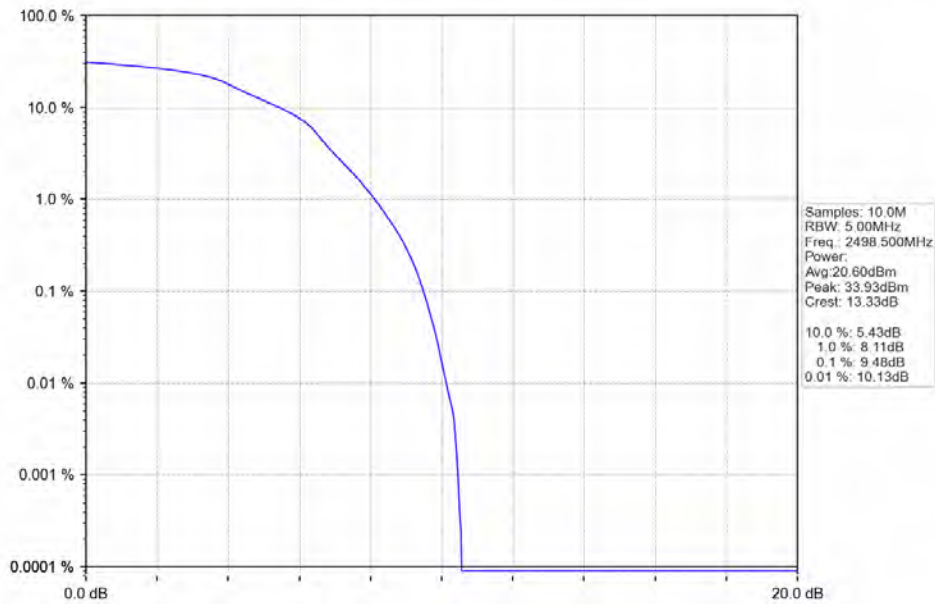
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV



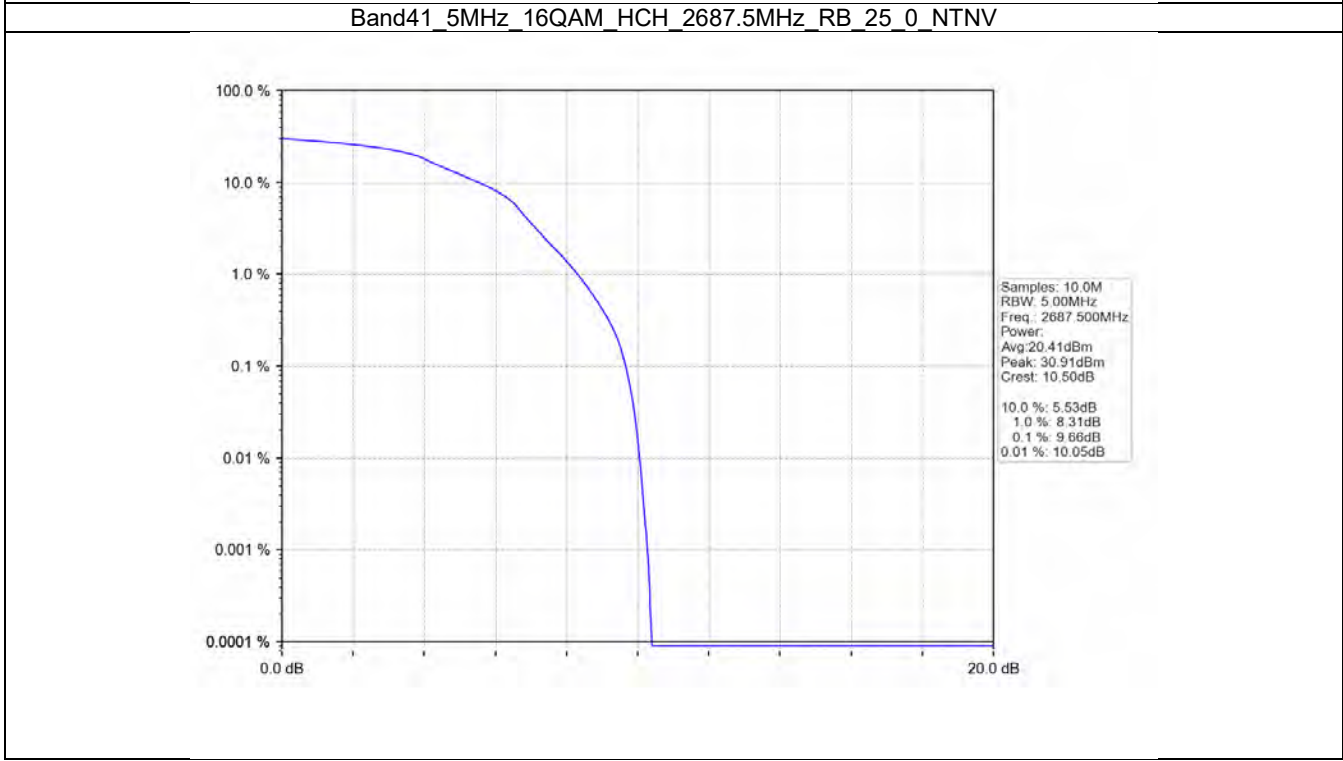
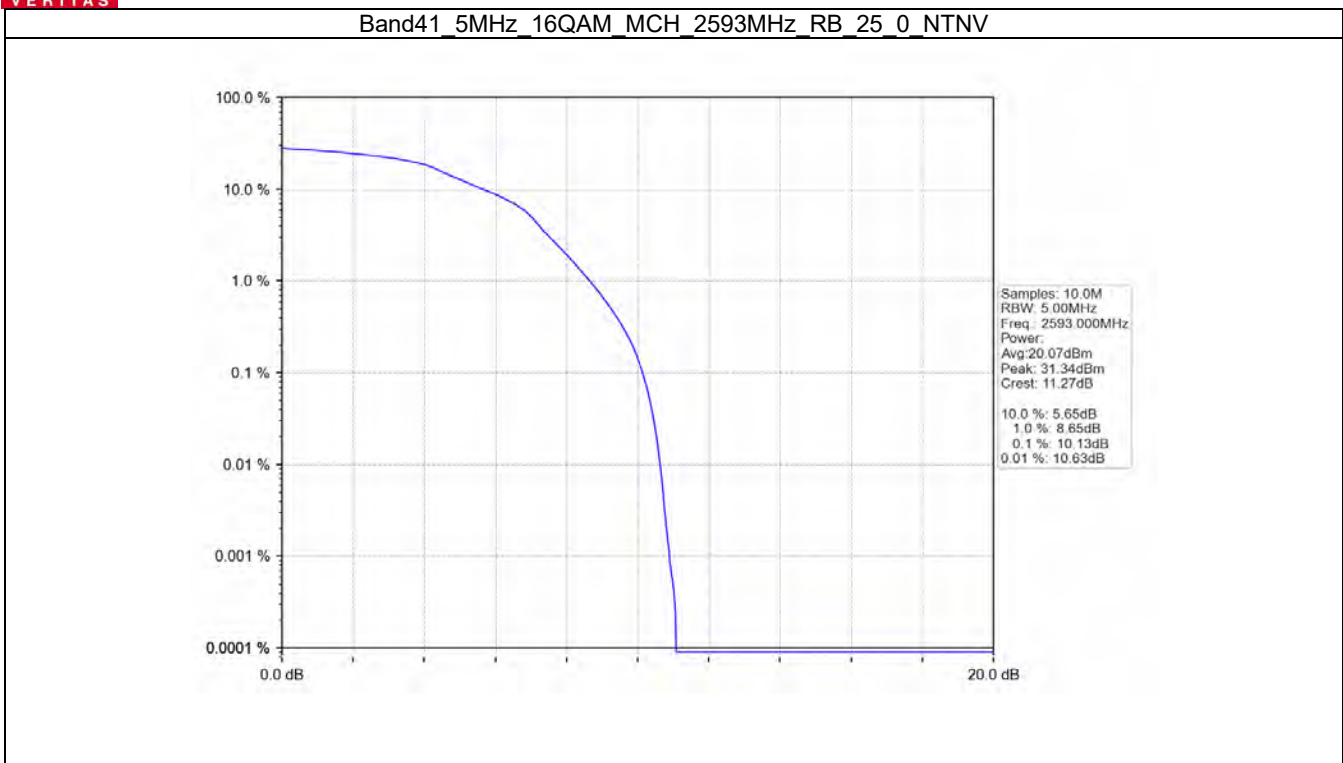
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Technology (Shenzhen) Co. Ltd

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Avenue, North Area, Hi-Tech Industrial Park, Nanshan  
District, Shenzhen, Guangdong, China

Tel: +86 755 8869 6566

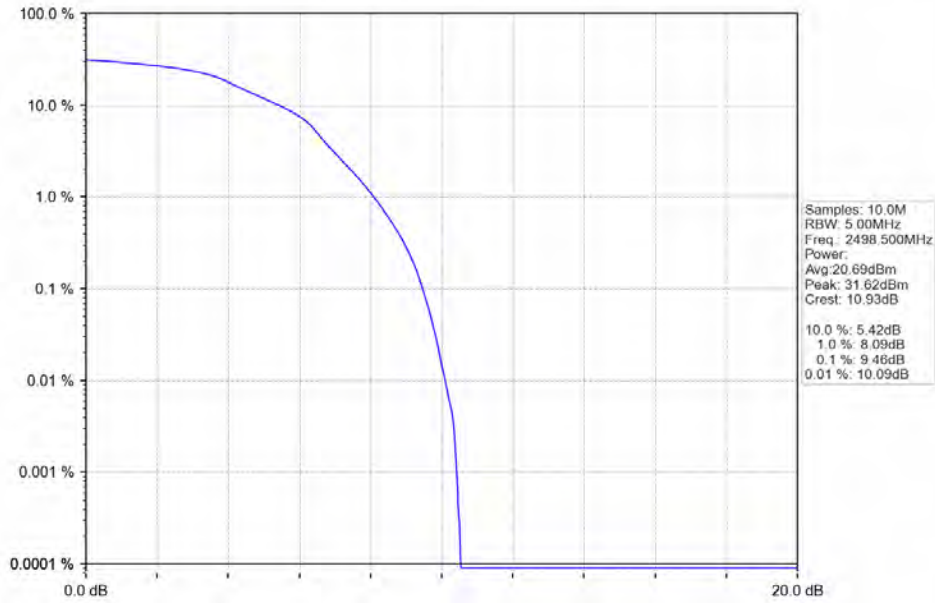
Fax: +86 755 8869 6577

Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)

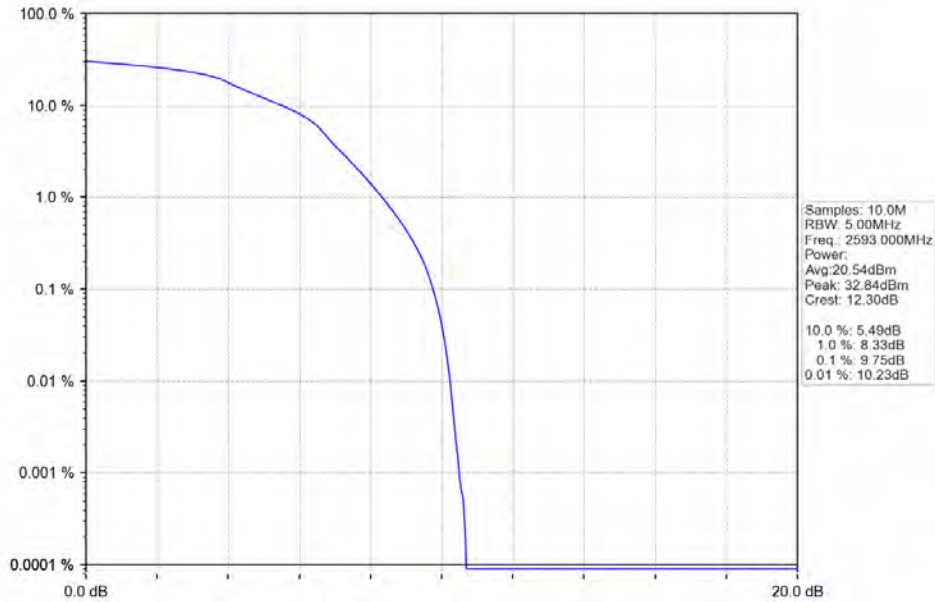




Band41\_5MHz\_64QAM\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV



Band41\_5MHz\_64QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV

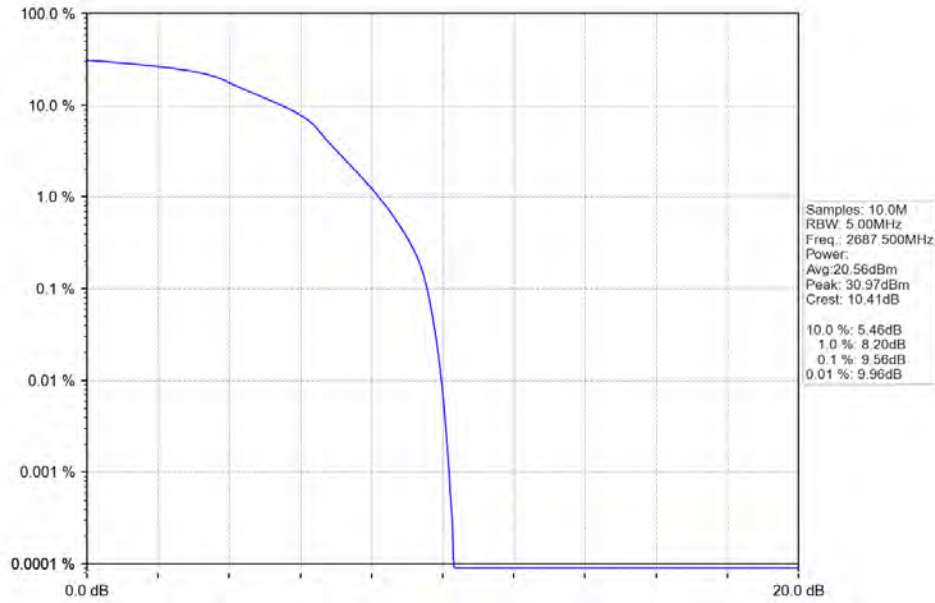




**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band41\_5MHz\_64QAM\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



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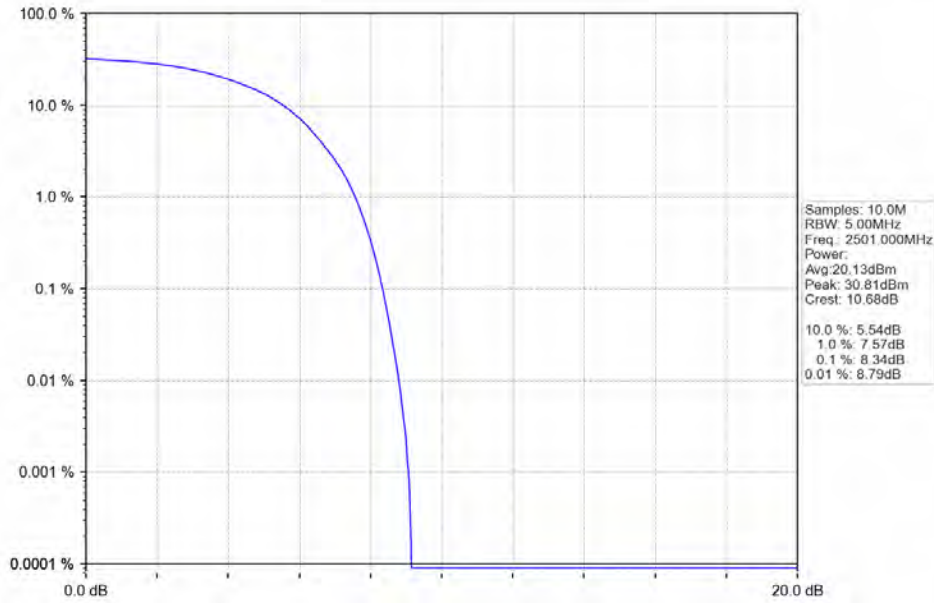
Tel: +86 755 8869 6566

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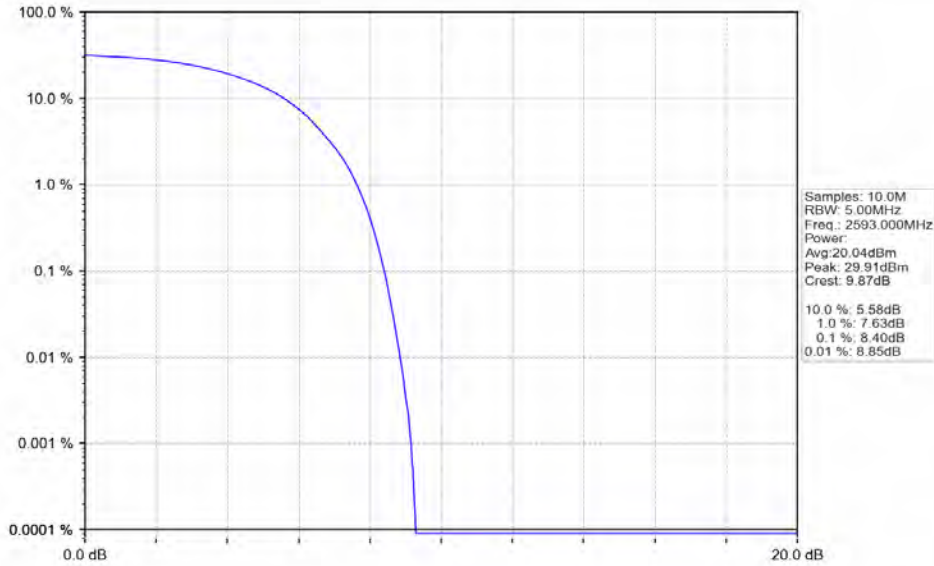
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV



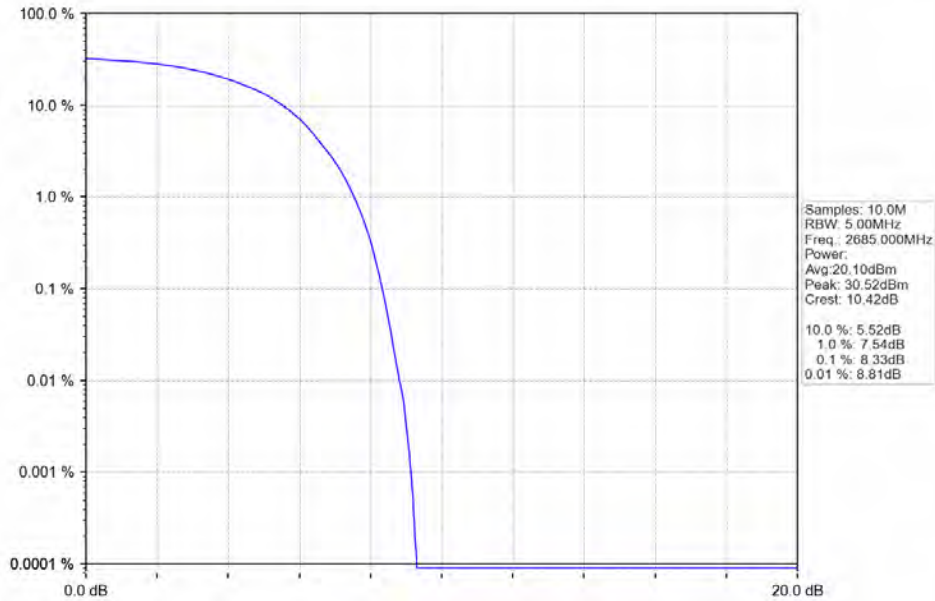
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_50\_0\_NTNV



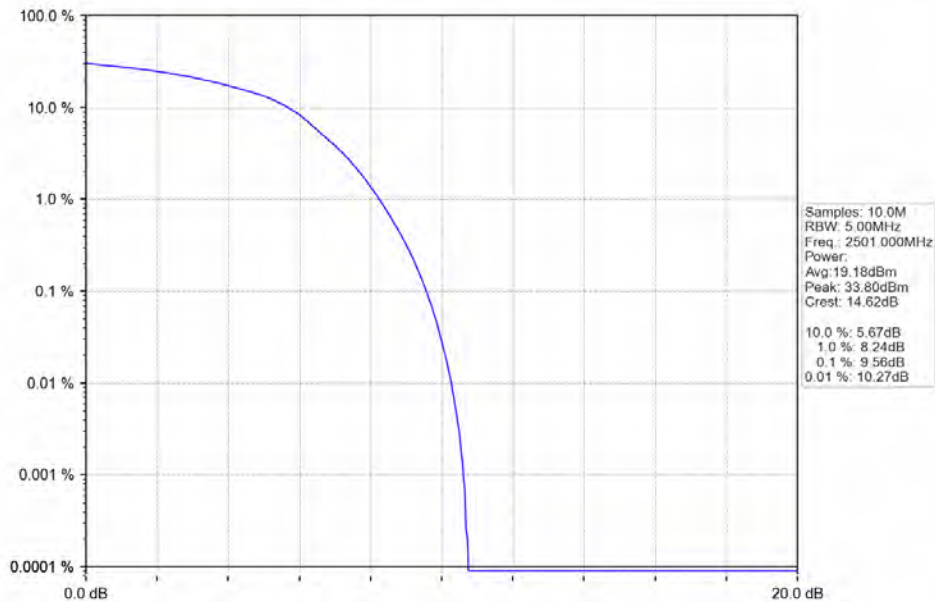




Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTN

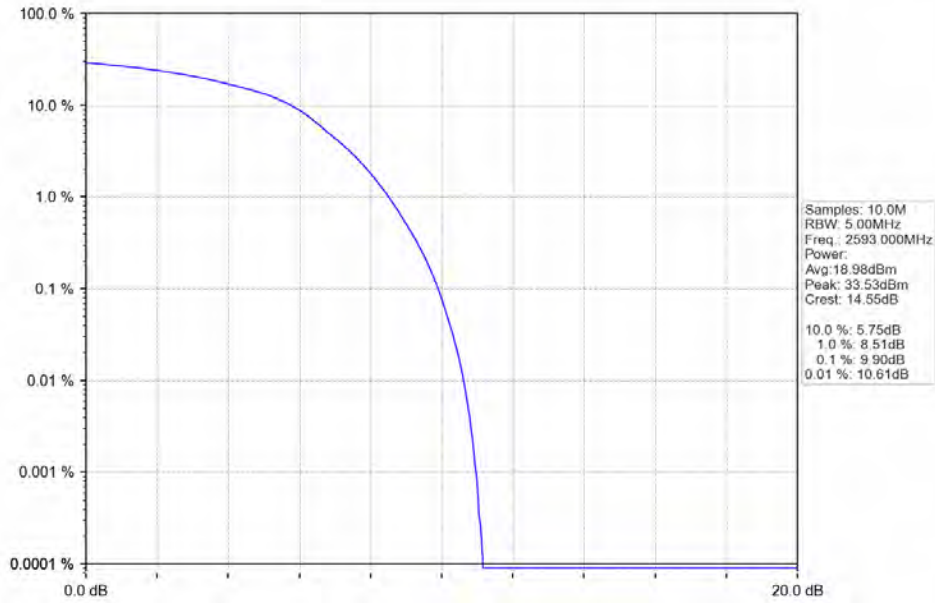


Band41 10MHz 16QAM LCH 2501MHz RB 50 0 NTN

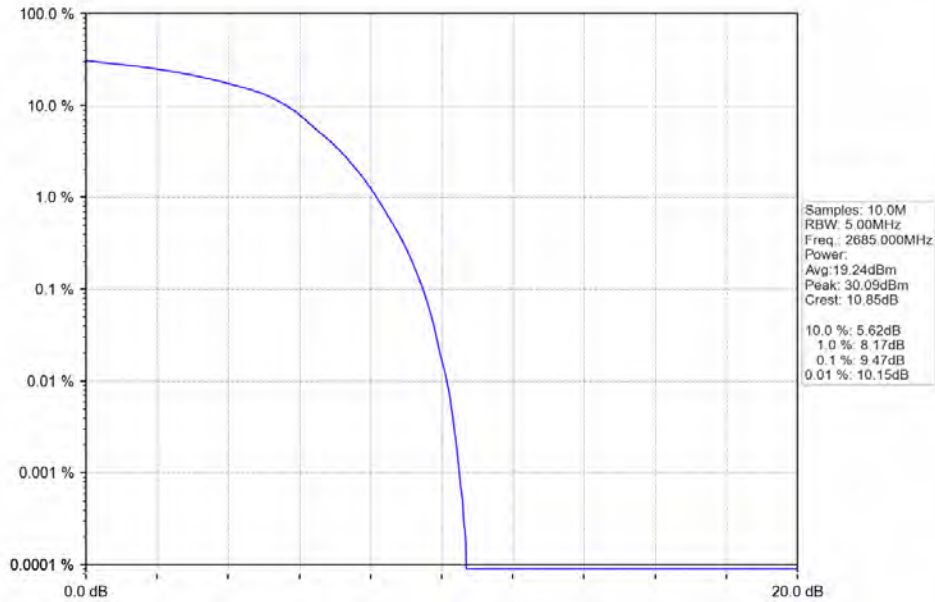




Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV

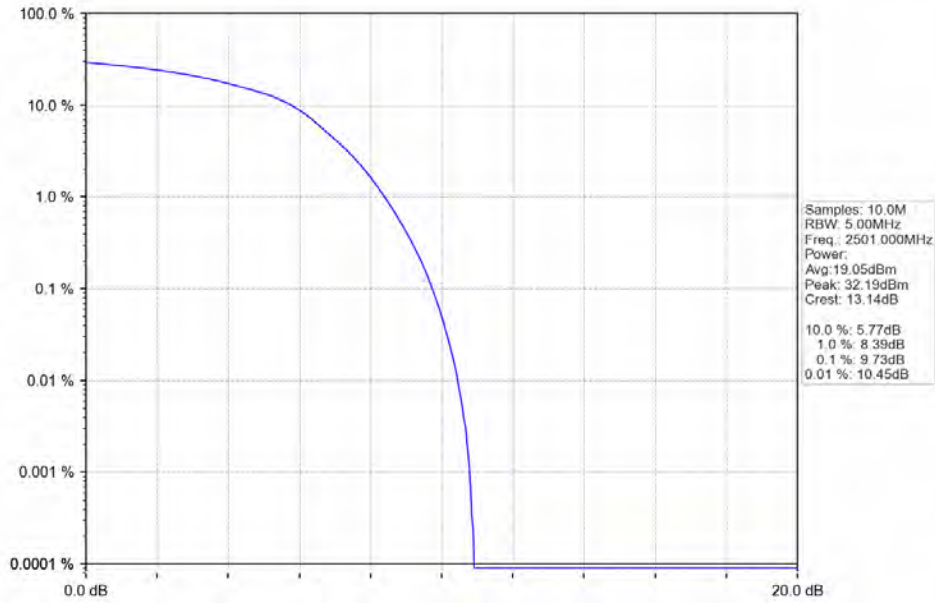


Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_50\_0\_NTNV

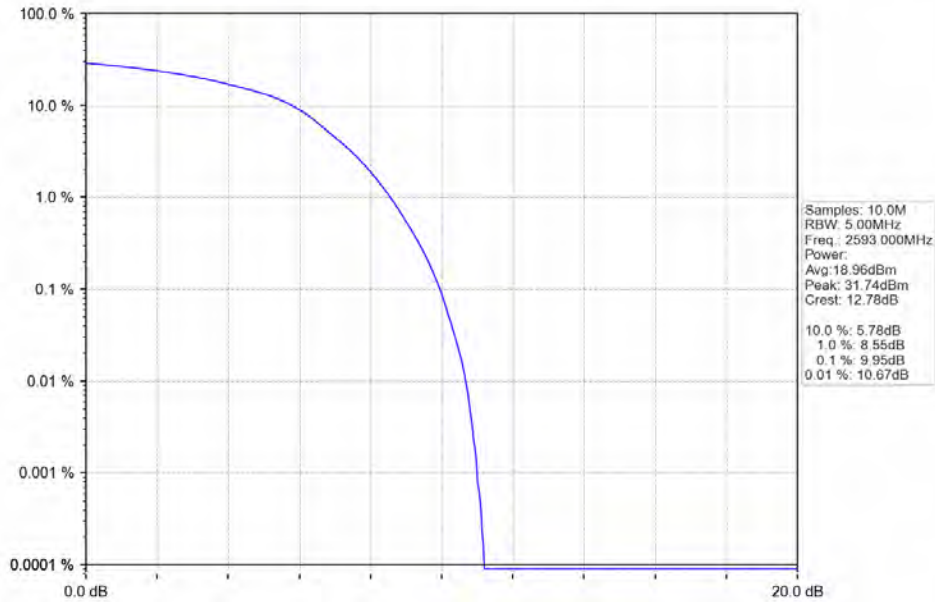




Band41 10MHz 64QAM LCH 2501MHz RB 50 0 NTVN

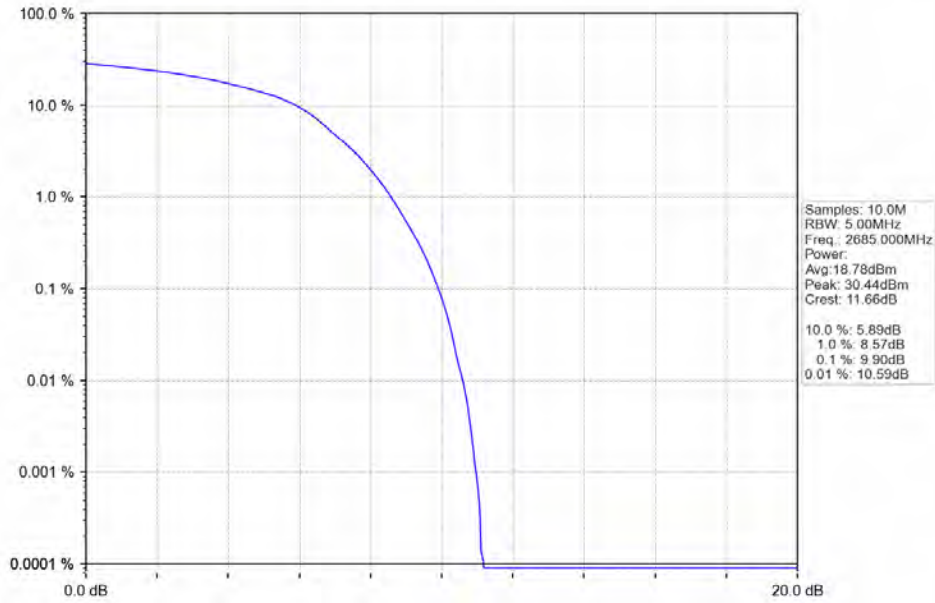


Band41 10MHz 64QAM MCH 2593MHz RB 50 0 NTVN



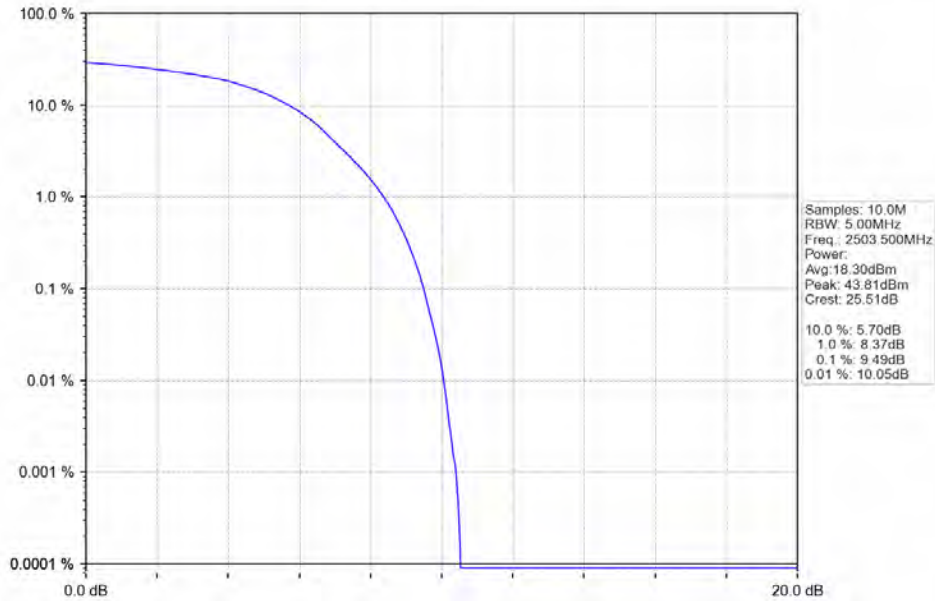


Band41 10MHz 64QAM HCH 2685MHz RB 50 0 NTN

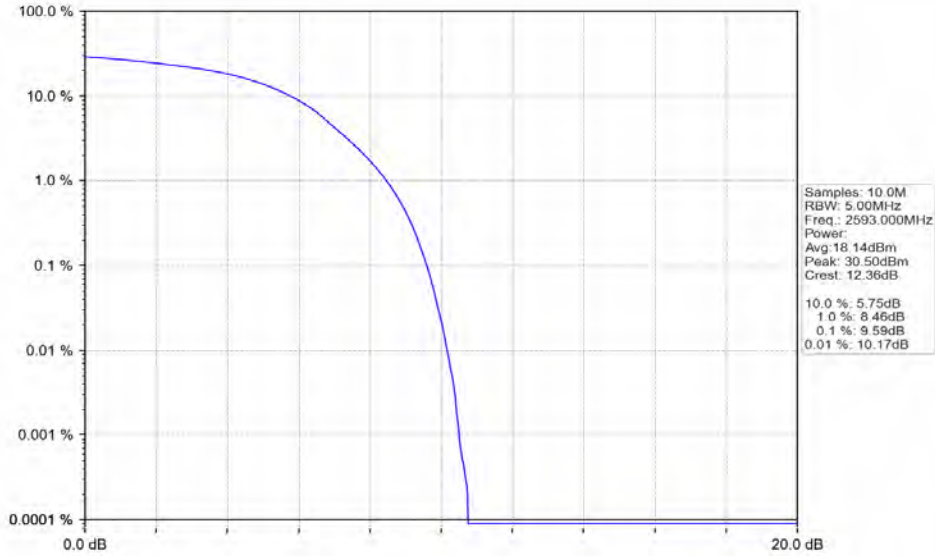




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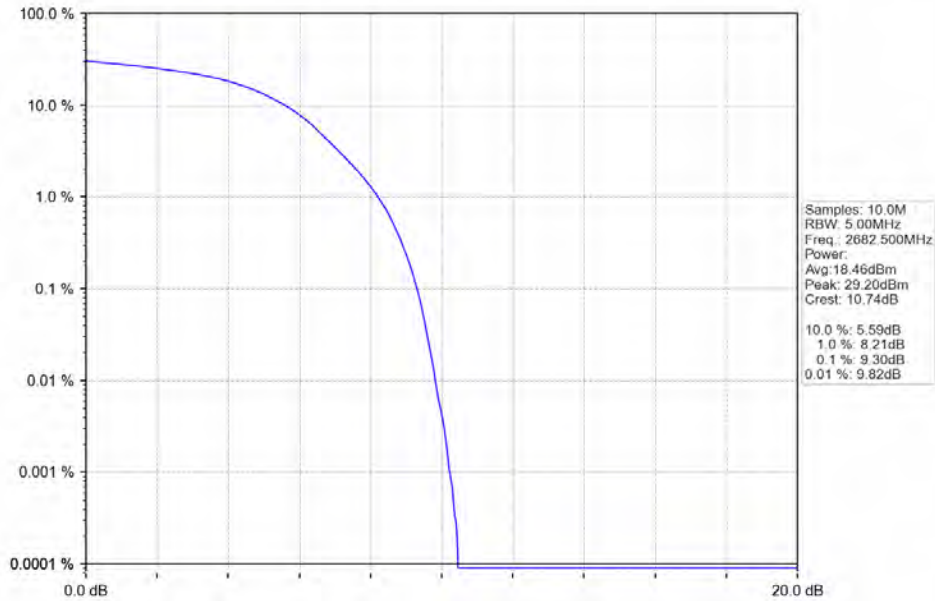


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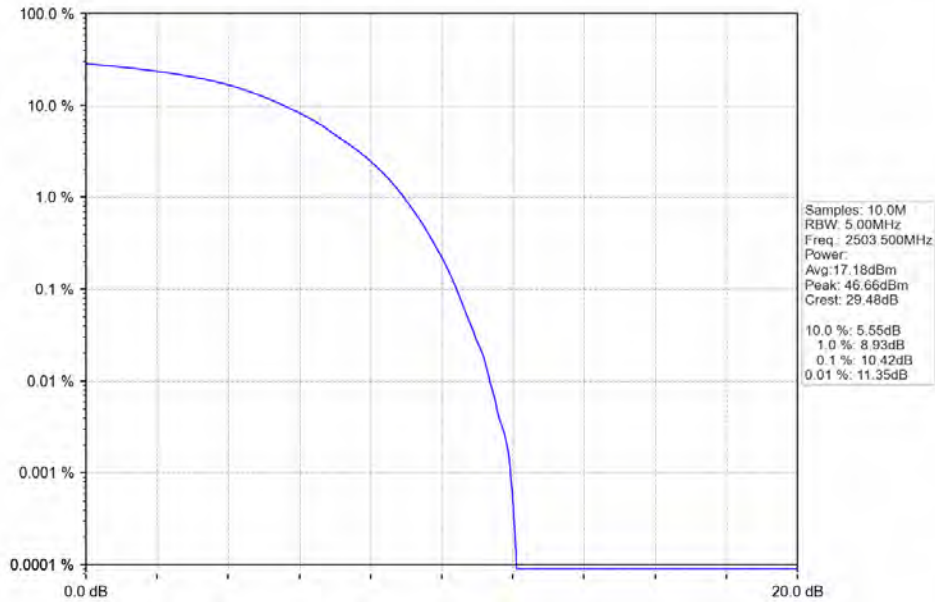




**Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV**

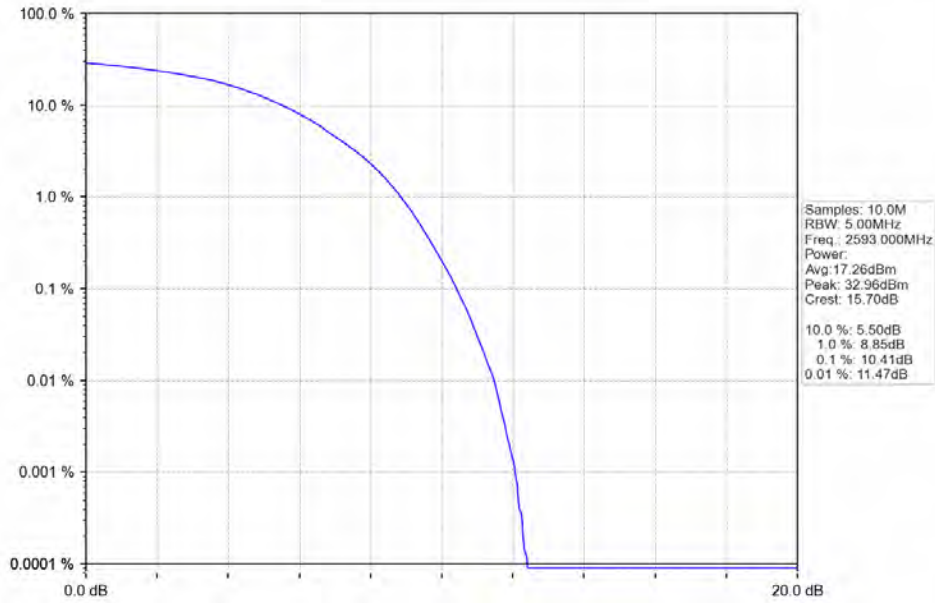


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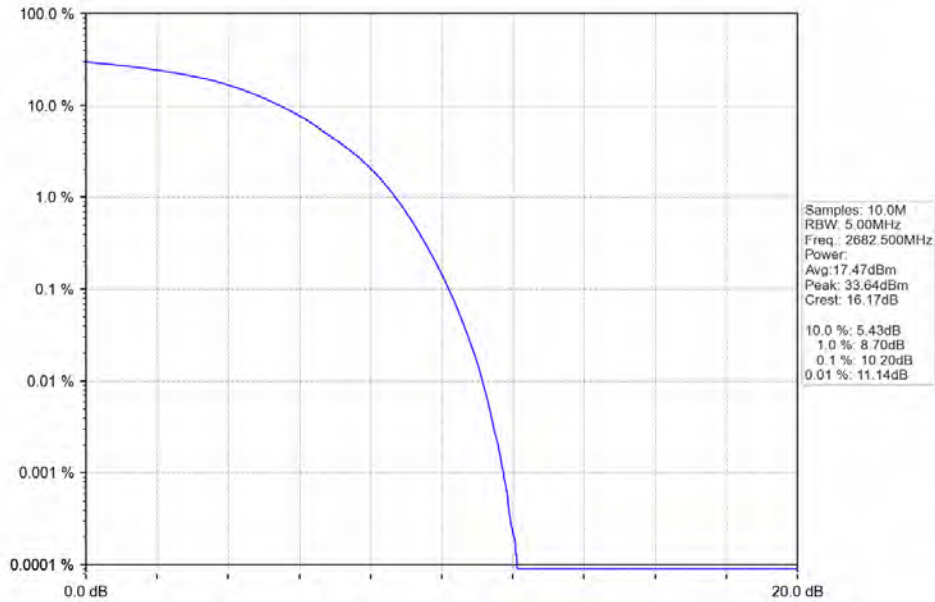




Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV

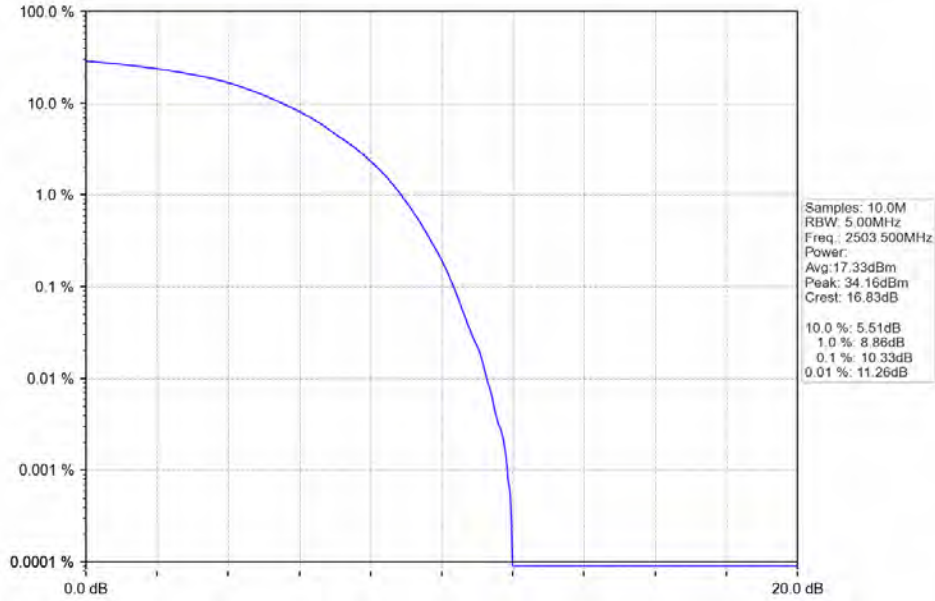




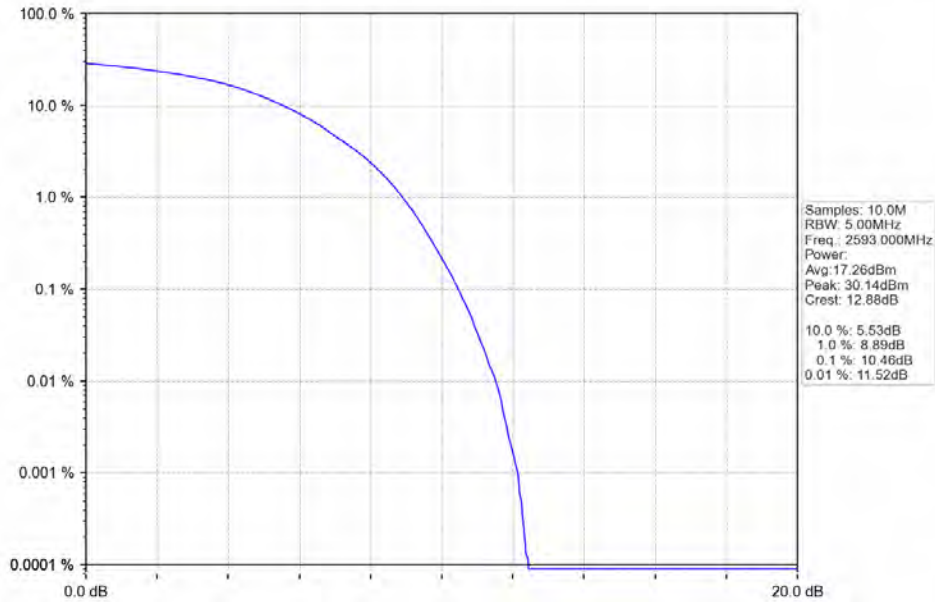
**BUREAU**  
**VERITAS**

**Test Report No.: W7L-P20210616-3RF03**

Band41\_15MHz\_64QAM\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



Band41\_15MHz\_64QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



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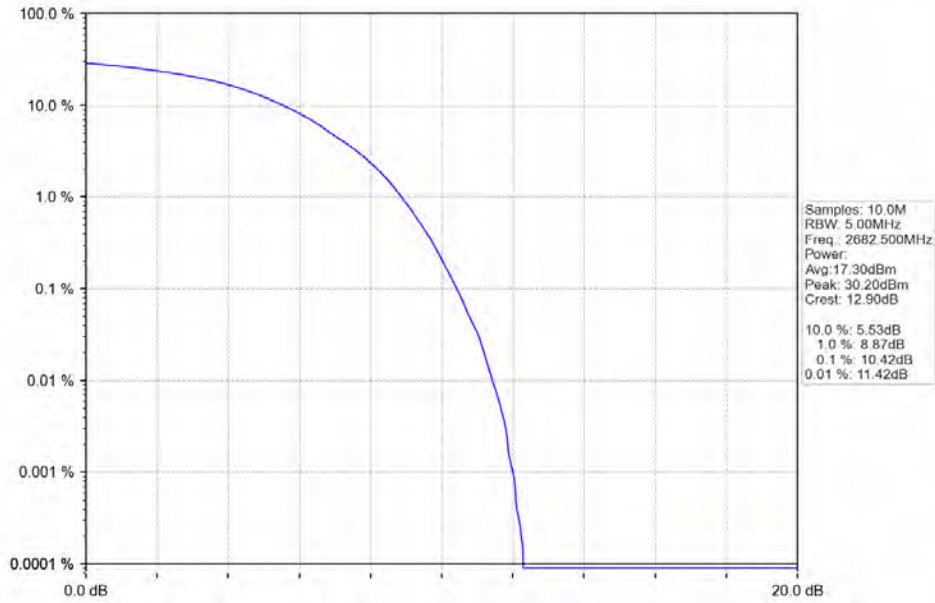
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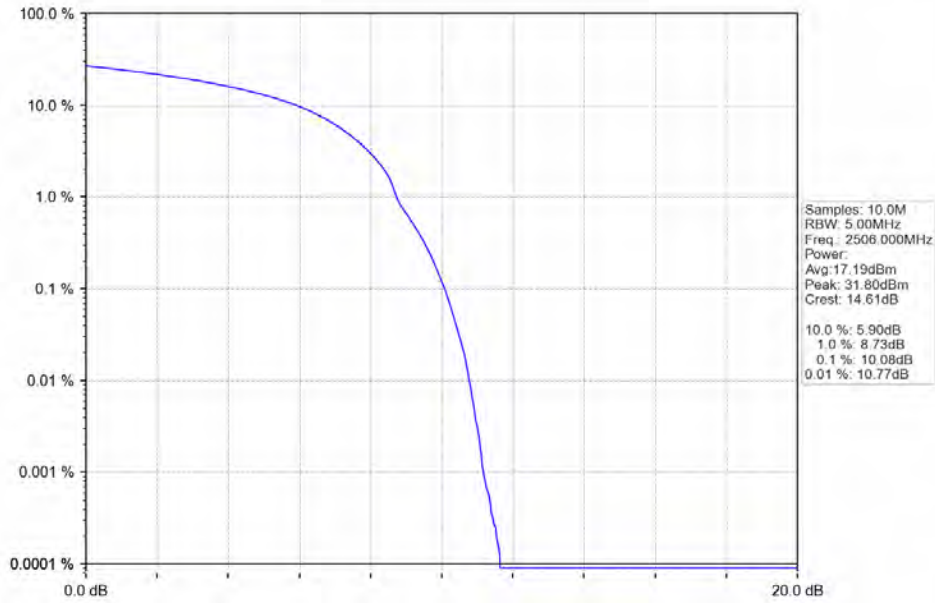


Band41 15MHz 64QAM HCH 2682.5MHz RB 75 0 NTV

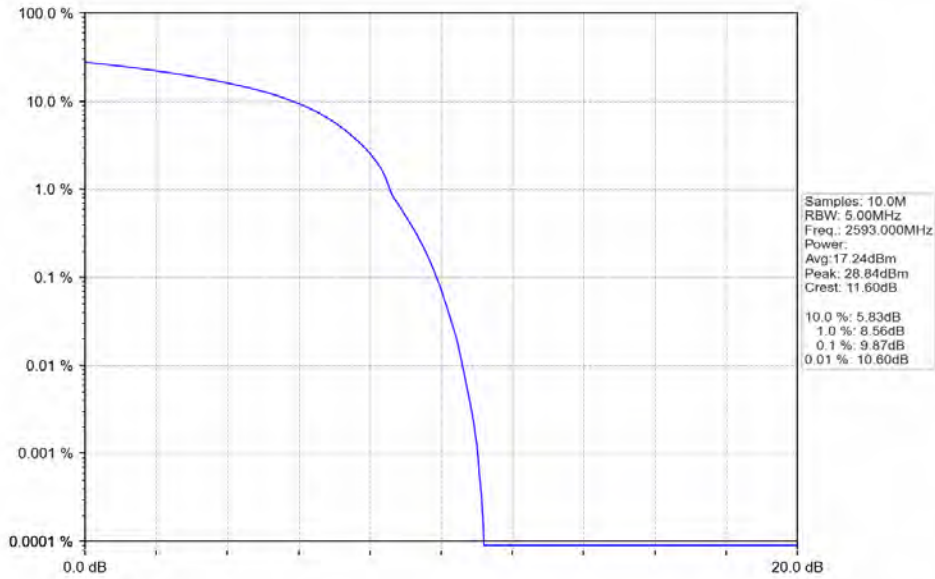




Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_100\_0\_NTNV

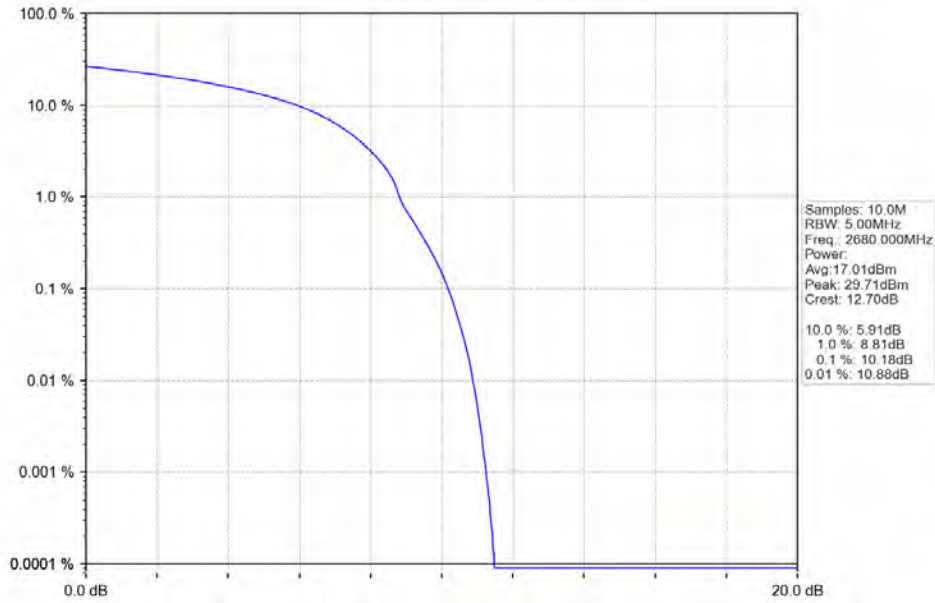


Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_100\_0\_NTNV

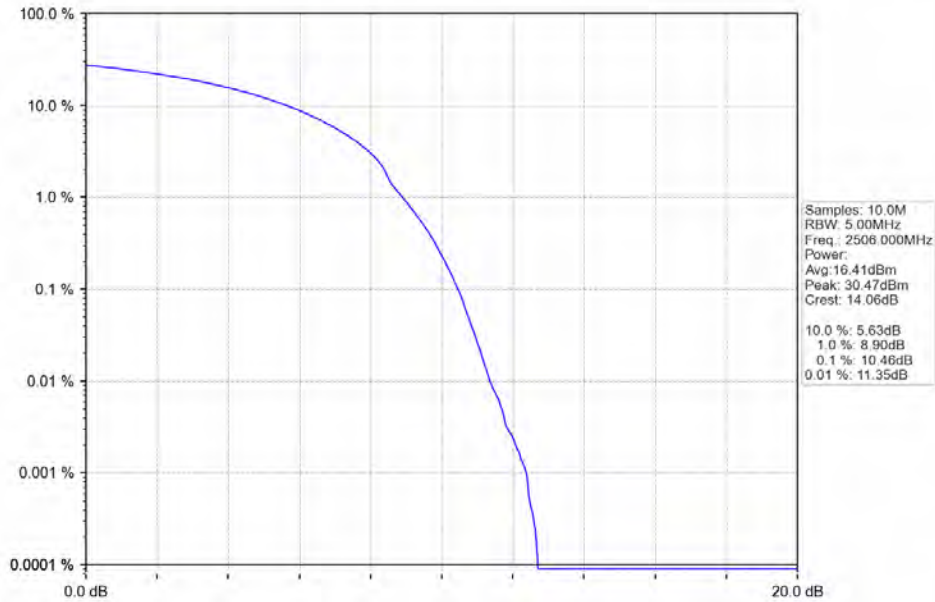




Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTNV



Band41 20MHz 16QAM LCH 2506MHz RB 100 0 NTNV

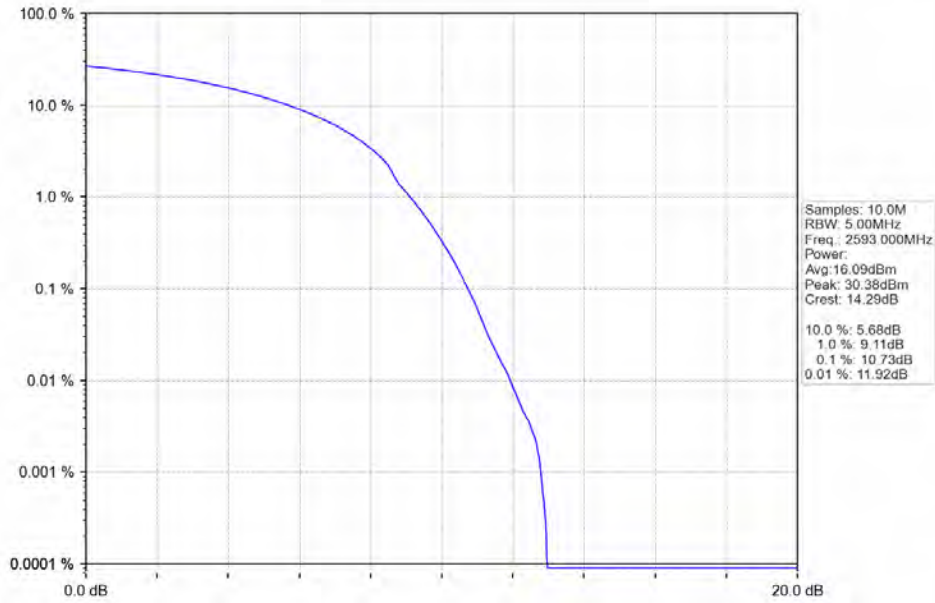




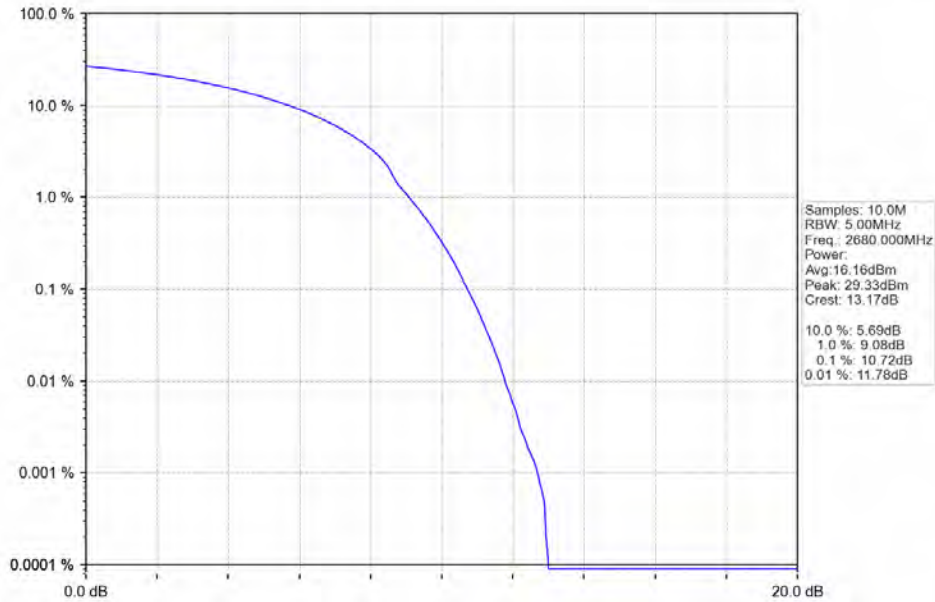
**BUREAU**  
**VERITAS**

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Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_100\_0\_NTNV



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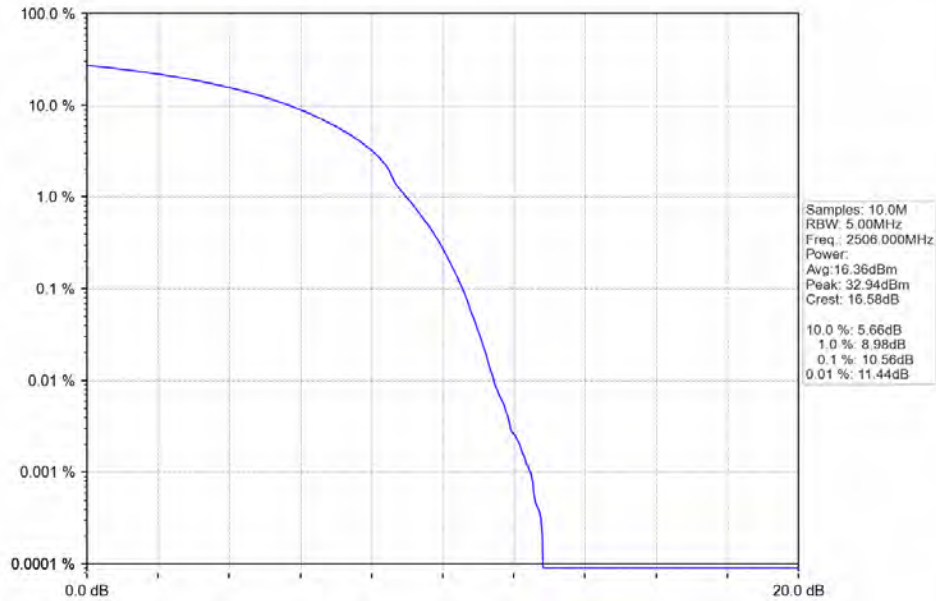
Tel: +86 755 8869 6566

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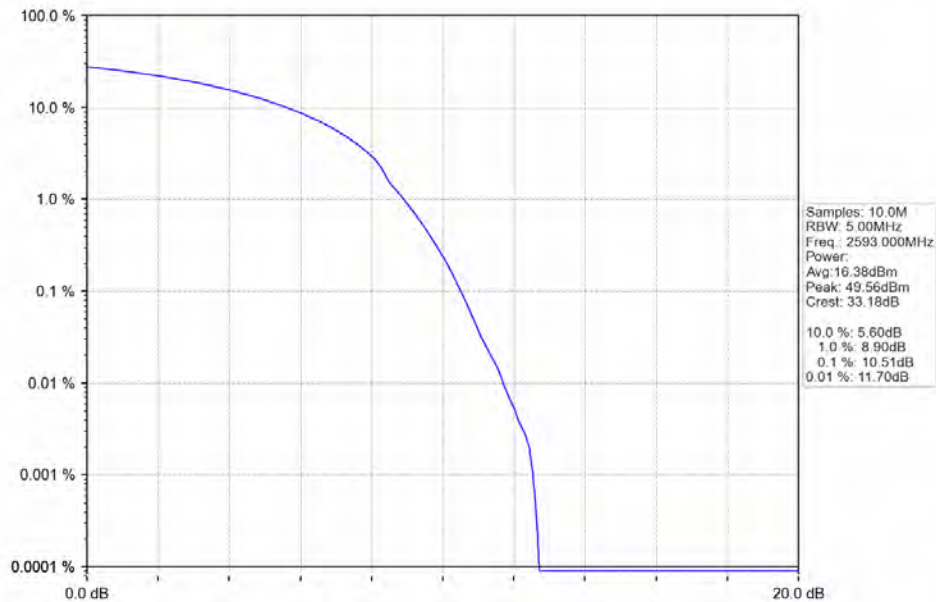
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



Band41\_20MHz\_64QAM\_LCH\_2506MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_64QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV

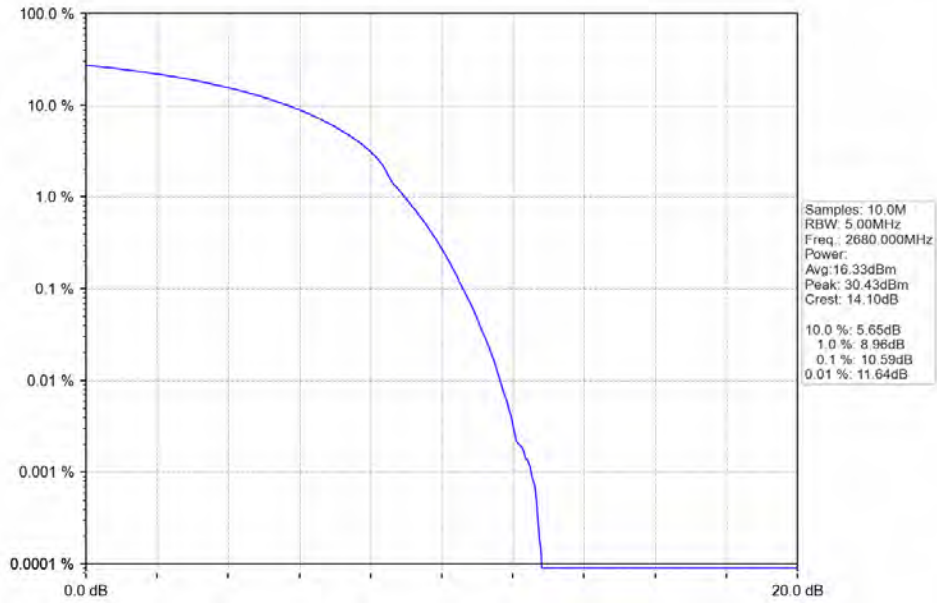




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**Test Report No.: W7L-P20210616-3RF03**

Band41\_20MHz\_64QAM\_HCH\_2680MHz\_RB\_100\_0\_NTNV



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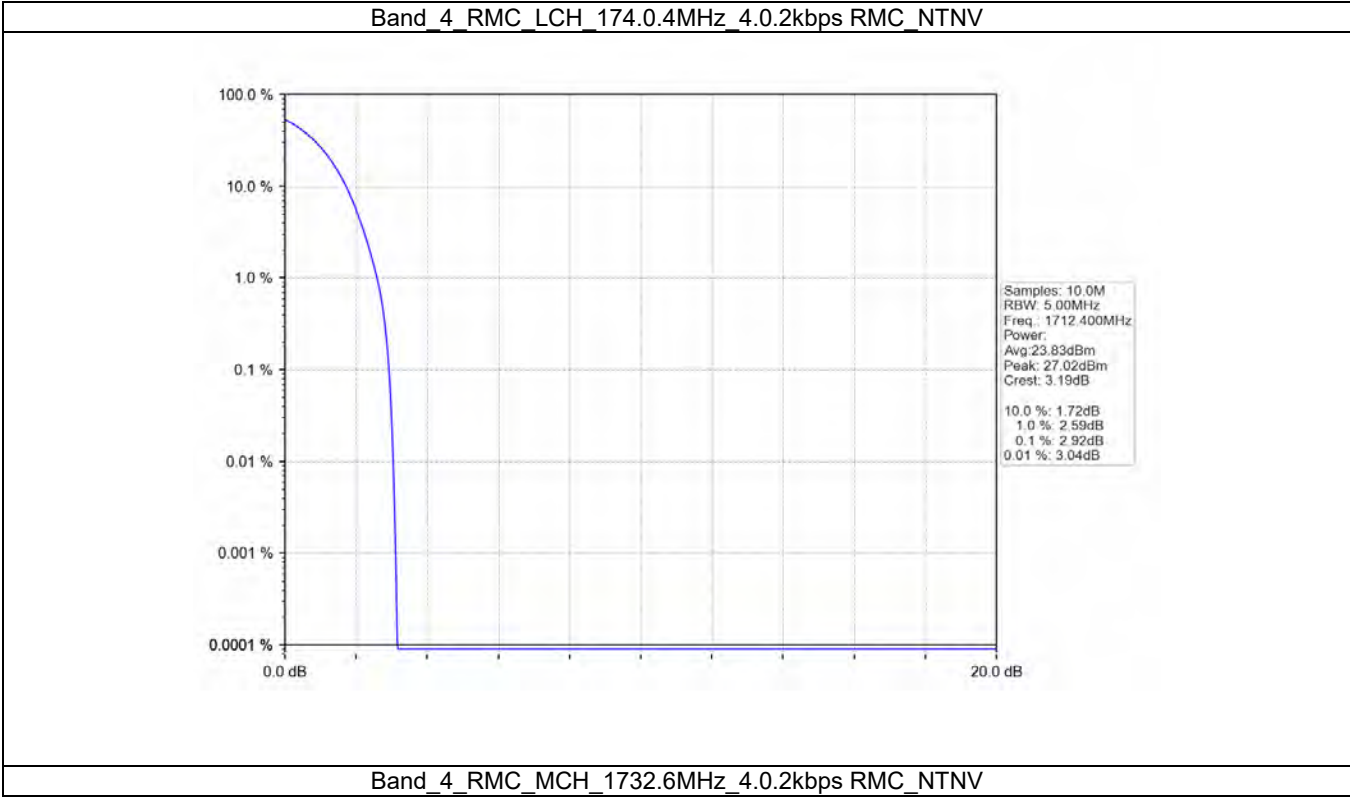
### 3.10 WCDMA Band4

#### 3.10.1 Test Result

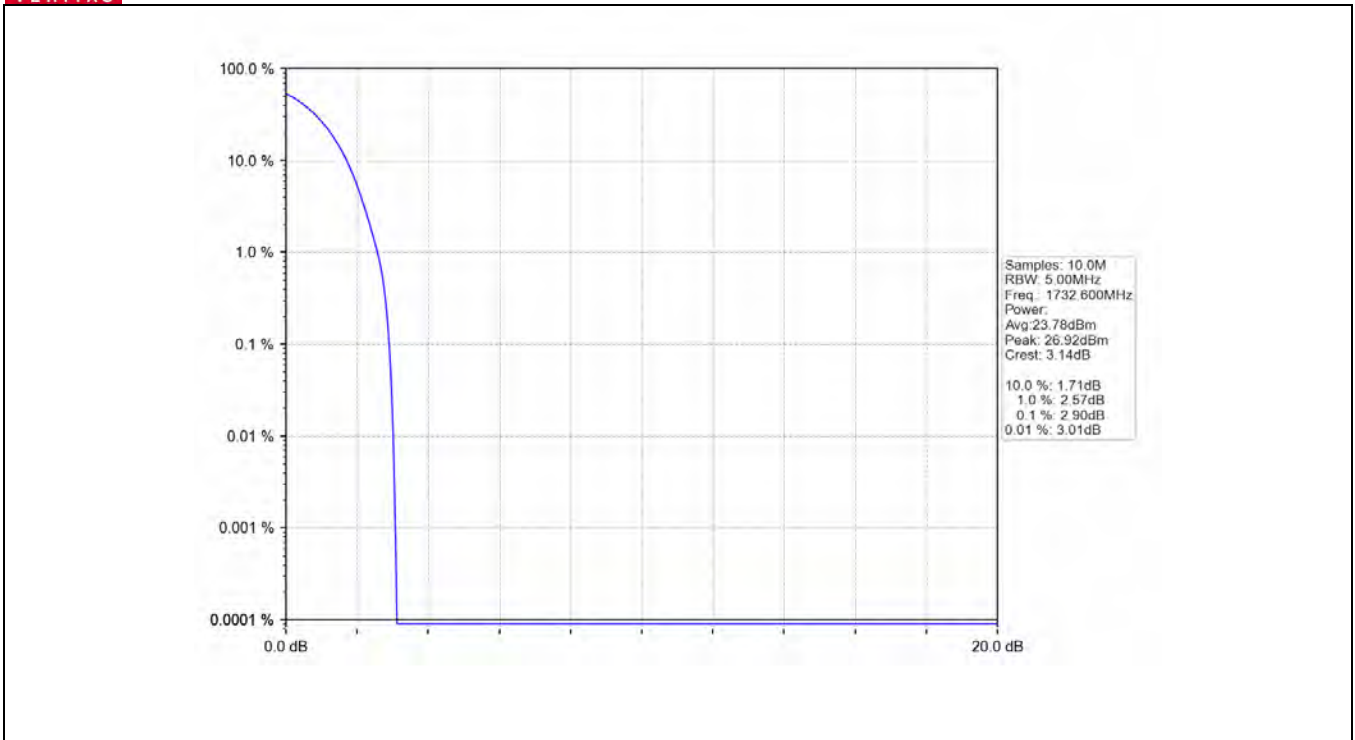
Band: 4							
ENV	Mode		Peak-Average Ratio (dB)				Verdict
	Network	Subset	LCH	MCH	HCH	Limit	
NTNV	RMC	4.0.2kbps RMC	2.92	2.90	2.87	<=13	Pass



3.10.2 Test Graph







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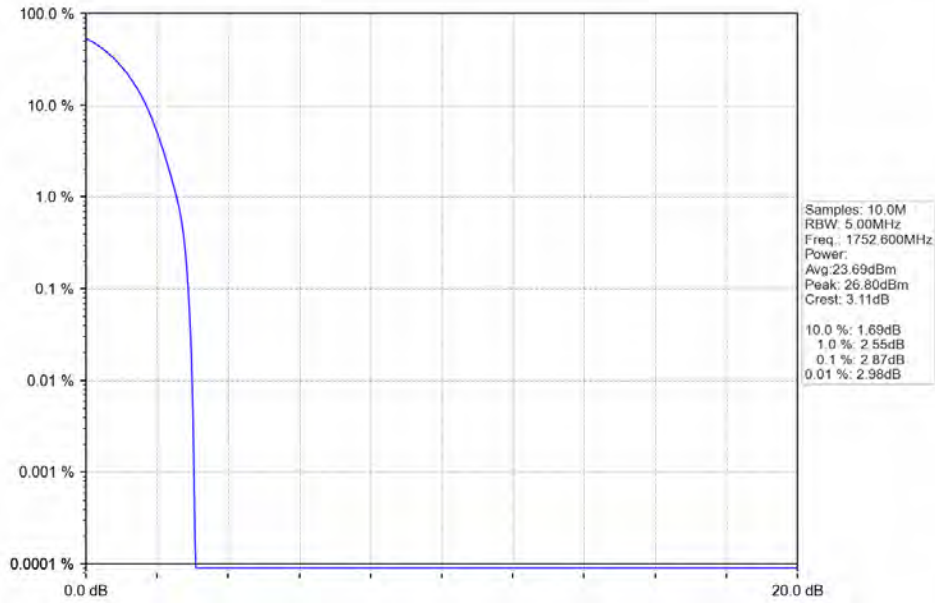
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Band 4\_RMC\_HCH\_1752.6MHz\_4.0.2kbps\_RMC\_NTNV



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## 4. Spurious Emission

### 4.1 LTE Band 4

#### 4.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV							
Modulation	RB Allocation		Spurious Emission				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	6	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	5	/	/	Refer To Test Graph	Refer To Test Graph	Pass
16QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	6	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	5	/	/	Refer To Test Graph	Refer To Test Graph	Pass
64QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	6	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	5	/	/	Refer To Test Graph	Refer To Test Graph	Pass
Band: 4 / Bandwidth: 3MHz / NTNV							
Modulation	RB Allocation		Spurious Emission				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	15	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	14	/	/	Refer To Test Graph	Refer To Test Graph	Pass
16QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	15	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	14	/	/	Refer To Test Graph	Refer To Test Graph	Pass
64QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	15	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	14	/	/	Refer To Test Graph	Refer To Test Graph	Pass



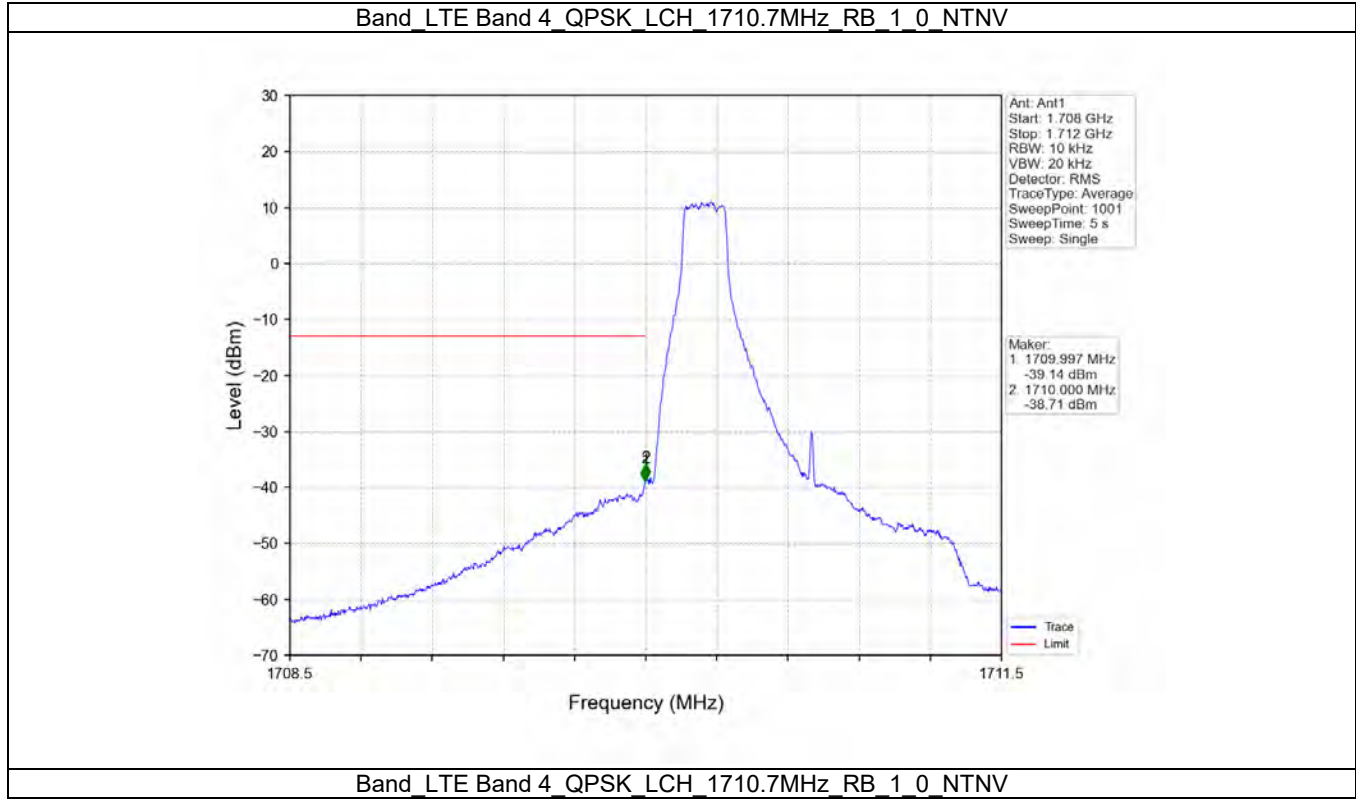
Band: 4 / Bandwidth: 5MHz / NTV							
Modulation	RB Allocation		Spurious Emission				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	25	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	24	/	/	Refer To Test Graph	Refer To Test Graph	Pass
16QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	25	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	24	/	/	Refer To Test Graph	Refer To Test Graph	Pass
64QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	25	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	24	/	/	Refer To Test Graph	Refer To Test Graph	Pass
Band: 4 / Bandwidth: 10MHz / NTV							
Modulation	RB Allocation		Spurious Emission				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	50	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	49	/	/	Refer To Test Graph	Refer To Test Graph	Pass
16QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	50	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	49	/	/	Refer To Test Graph	Refer To Test Graph	Pass
64QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	50	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	49	/	/	Refer To Test Graph	Refer To Test Graph	Pass

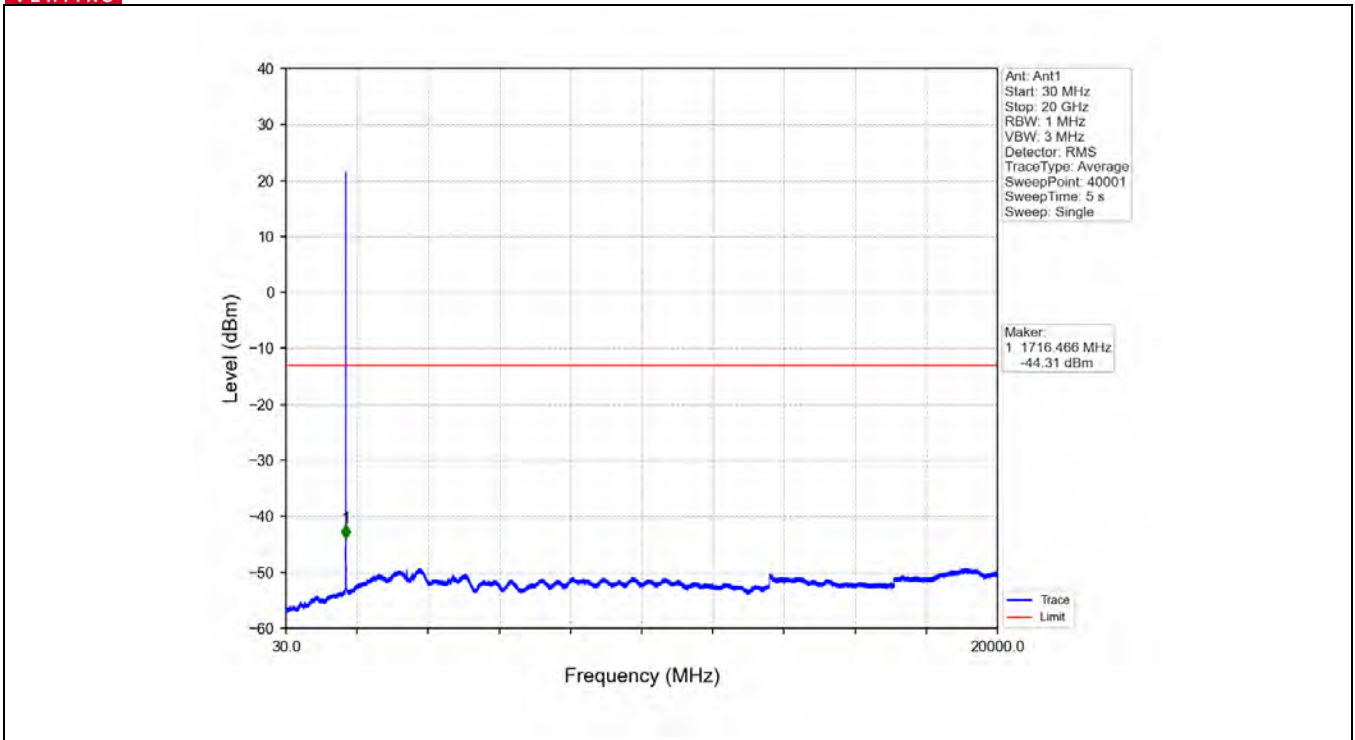


Band: 4 / Bandwidth: 15MHz / NTN							
Modulation	RB Allocation		Spurious Emission				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	75	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	74	/	/	Refer To Test Graph	Refer To Test Graph	Pass
16QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	75	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	74	/	/	Refer To Test Graph	Refer To Test Graph	Pass
64QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	75	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	74	/	/	Refer To Test Graph	Refer To Test Graph	Pass
Band: 4 / Bandwidth: 20MHz / NTN							
Modulation	RB Allocation		Spurious Emission				Verdict
	Size	Offset	LCH	MCH	HCH	Limit	
QPSK	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	100	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	99	/	/	Refer To Test Graph	Refer To Test Graph	Pass
16QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
	100	0	Refer To Test Graph	/	Refer To Test Graph	Refer To Test Graph	Pass
	1	99	/	/	Refer To Test Graph	Refer To Test Graph	Pass
64QAM	1	0	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Refer To Test Graph	Pass
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	1	99	/	/	Refer To Test Graph	Refer To Test Graph	Pass



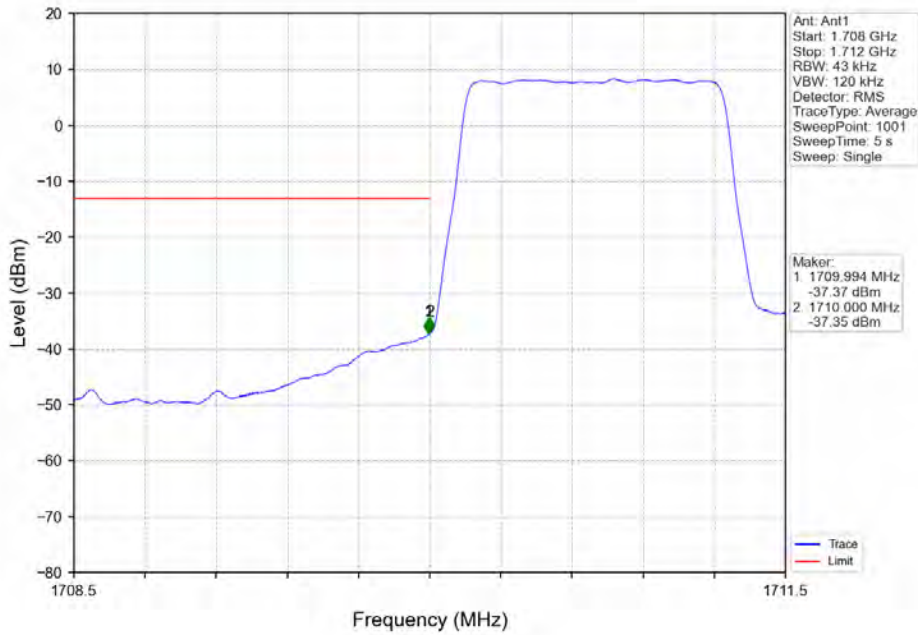
### 4.1.2 Test Graph



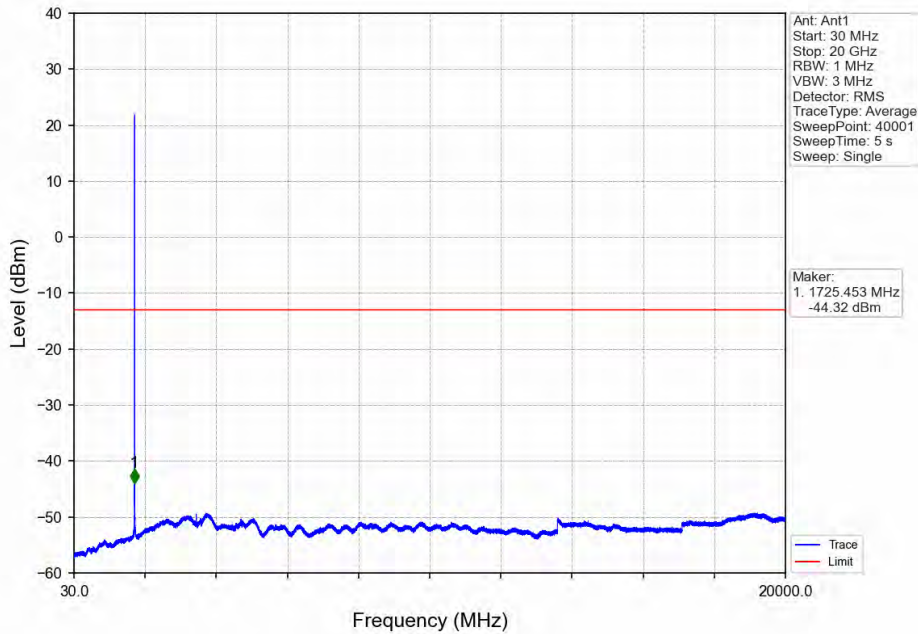




Band LTE Band 4 QPSK LCH 1710.7MHz RB 6 0 NTV



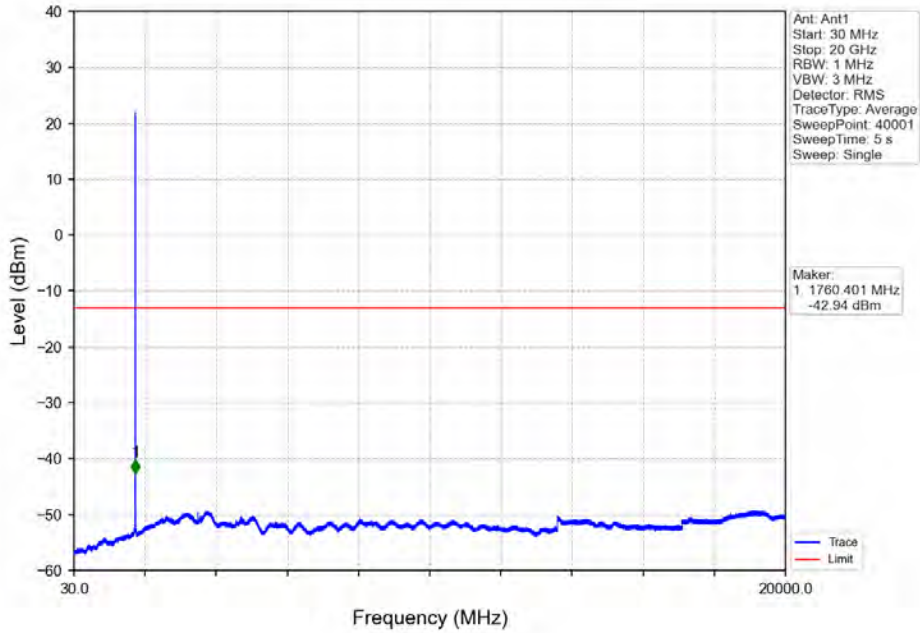
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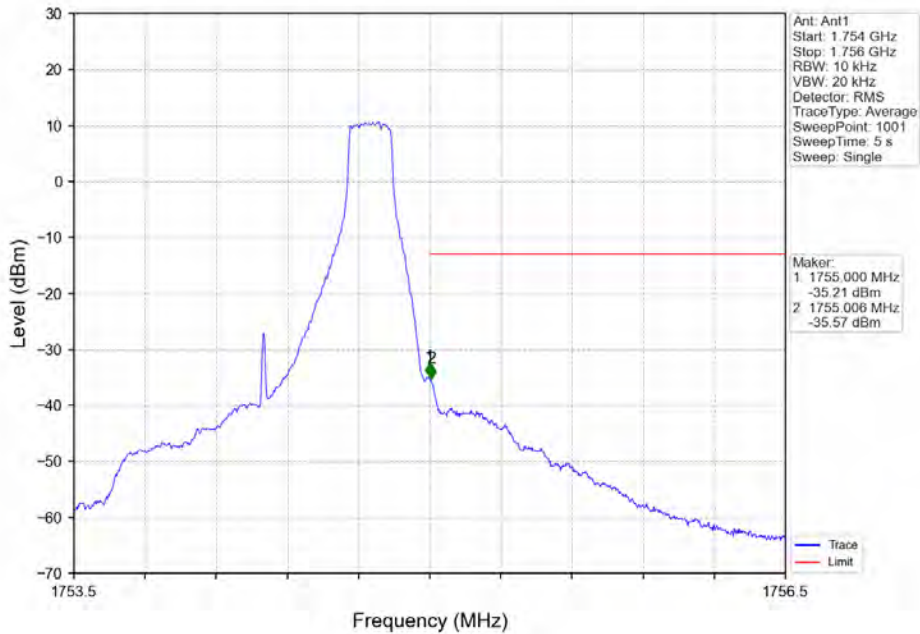




Band LTE Band 4 QPSK HCH 1754.3MHz RB 1 0 NTV



Band LTE Band 4 QPSK HCH 1754.3MHz RB 1 5 NTV



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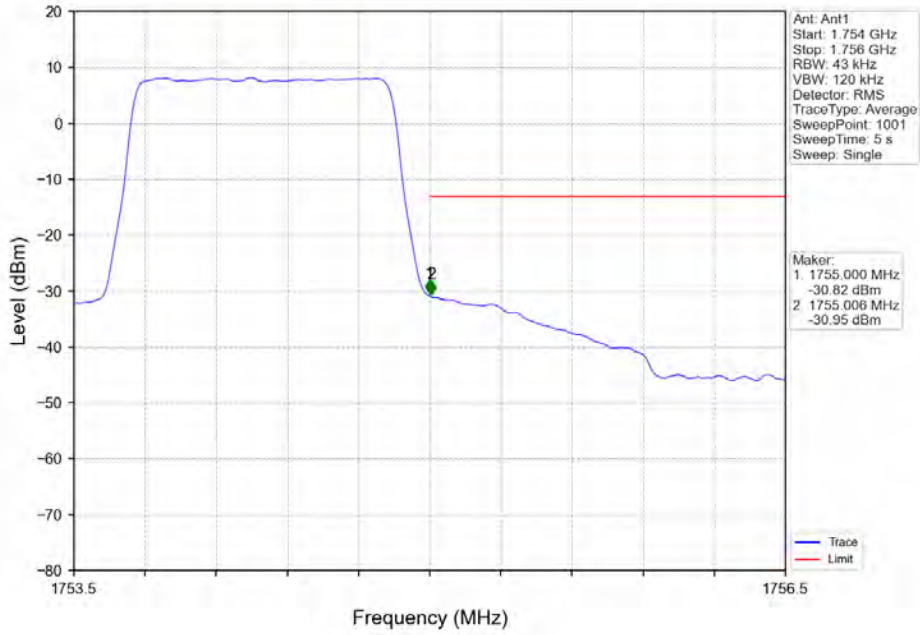
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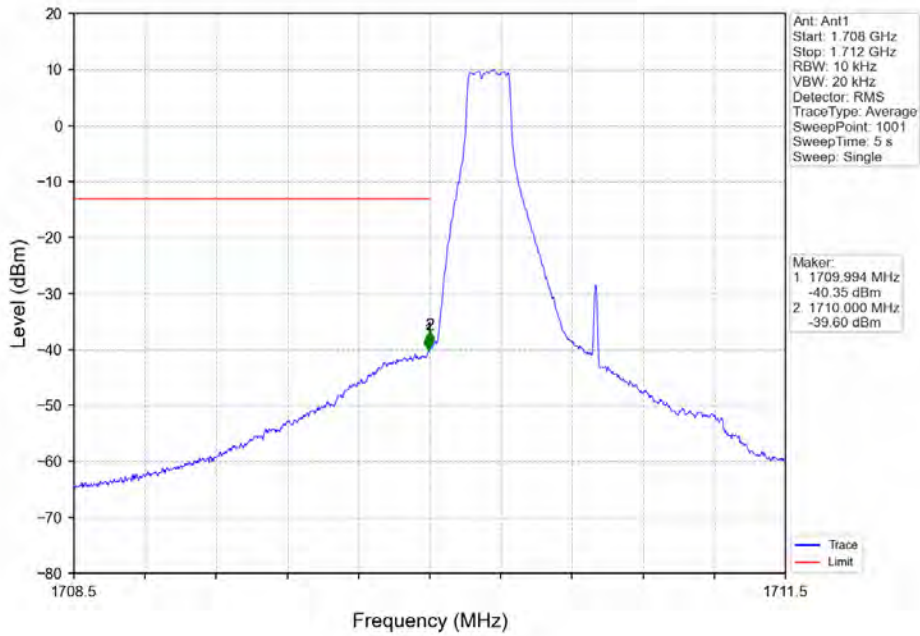
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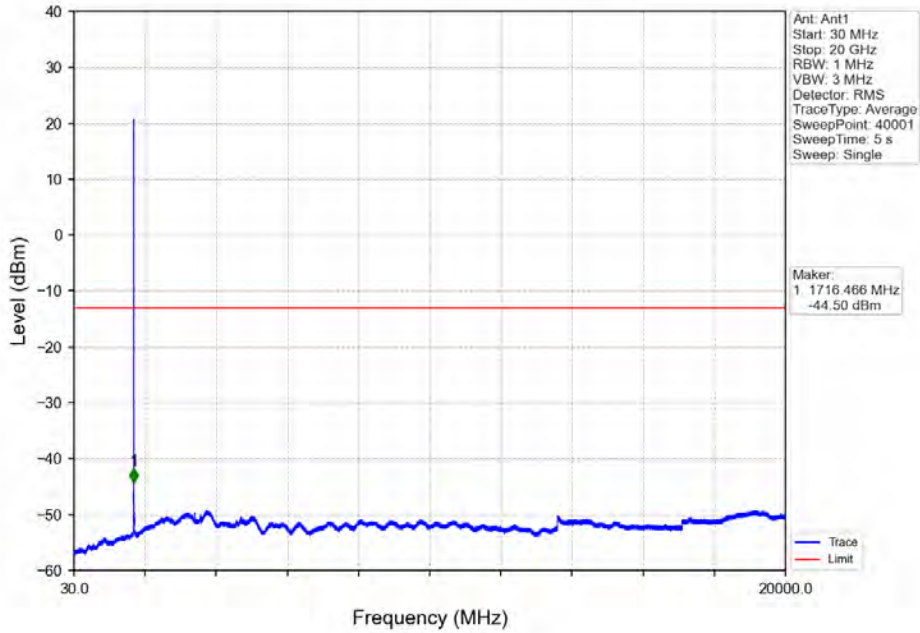


Band LTE Band 4 16QAM LCH 1710.7MHz RB 1 0 NTV

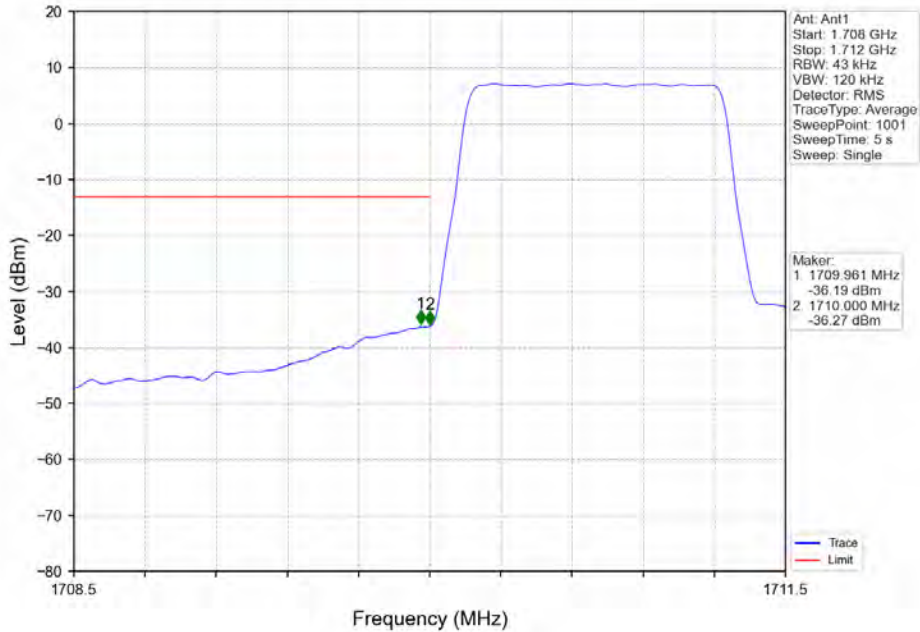




Band\_LTE Band 4\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



Band\_LTE Band 4\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



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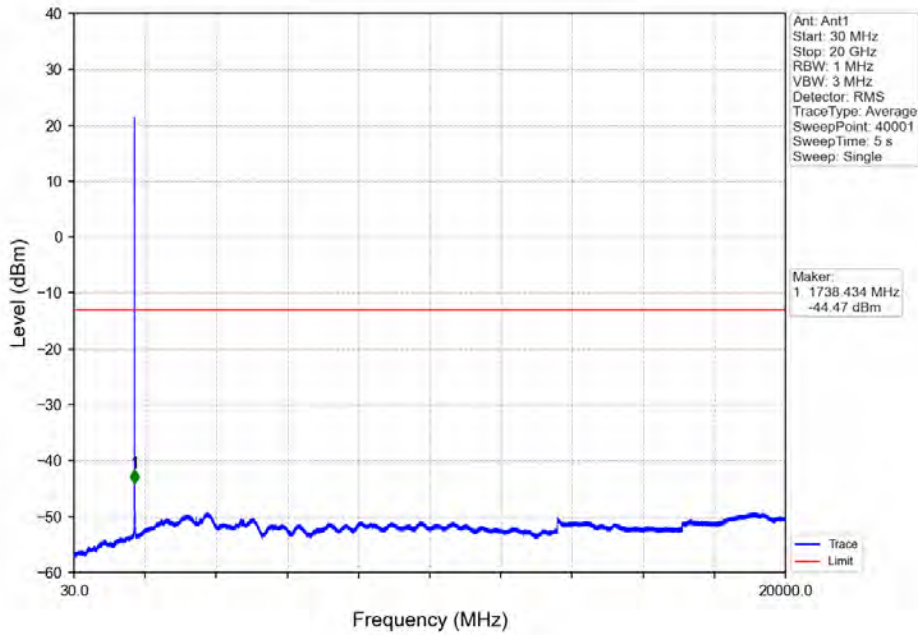
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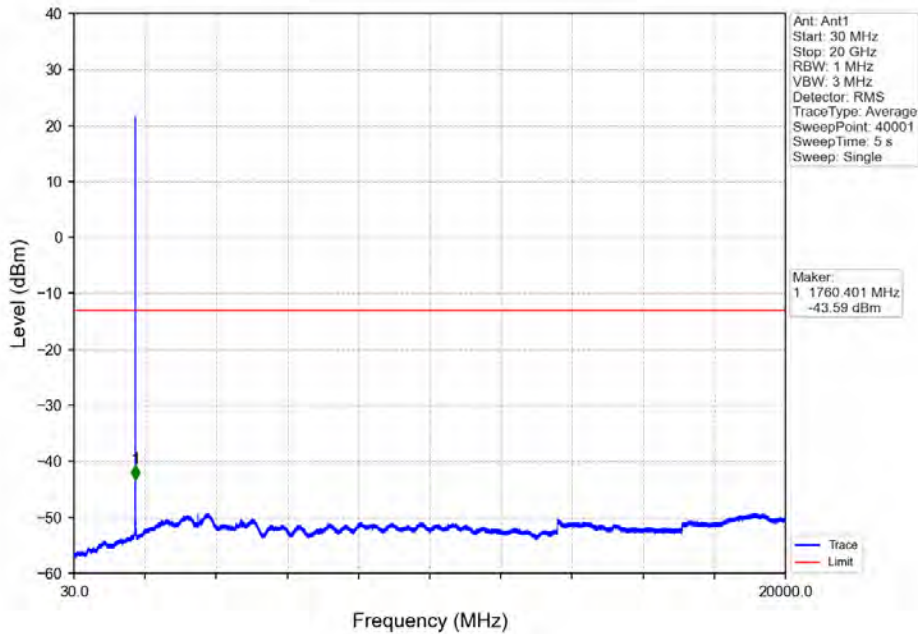
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Band LTE Band 4 16QAM MCH 1732.5MHz RB 1 0 NTV

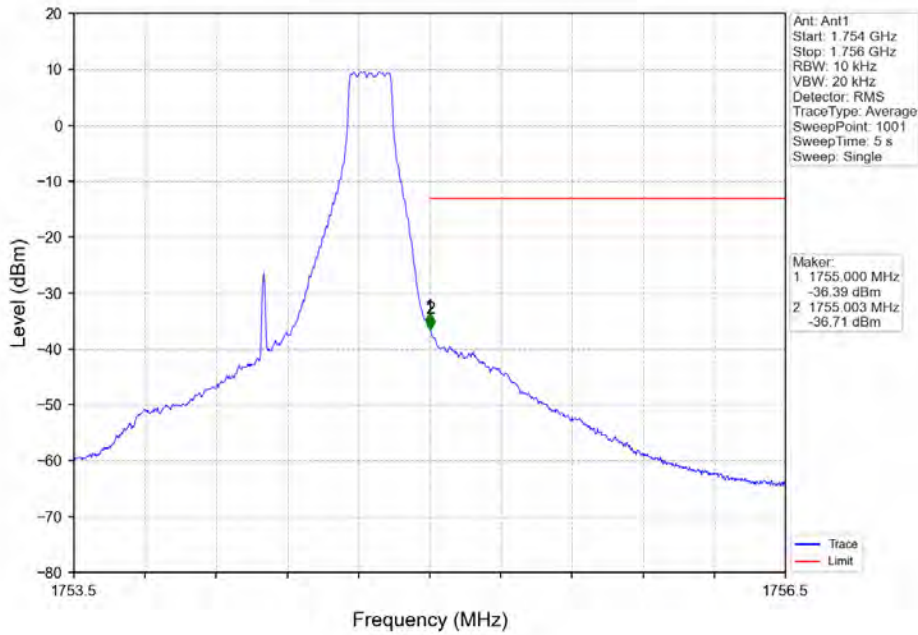


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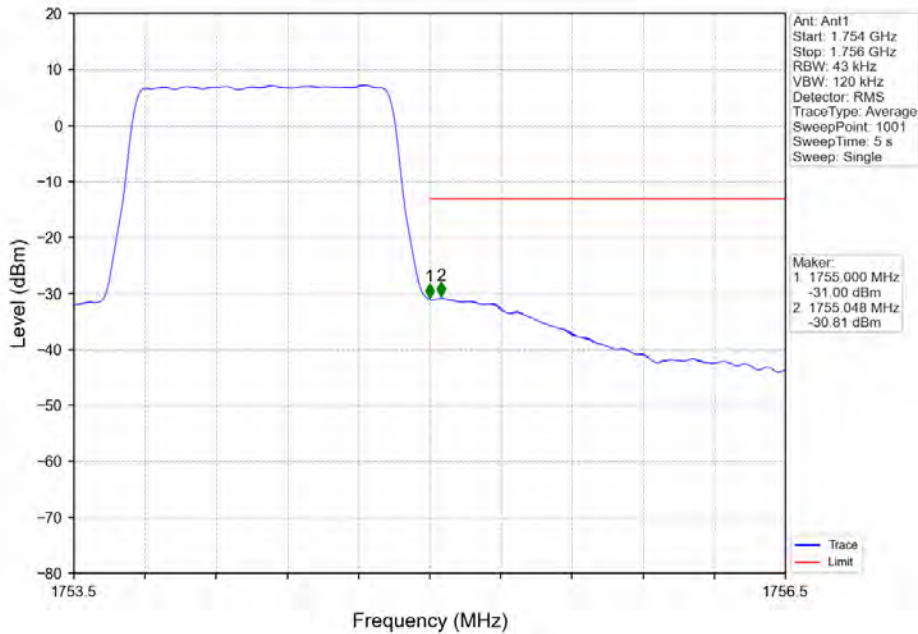




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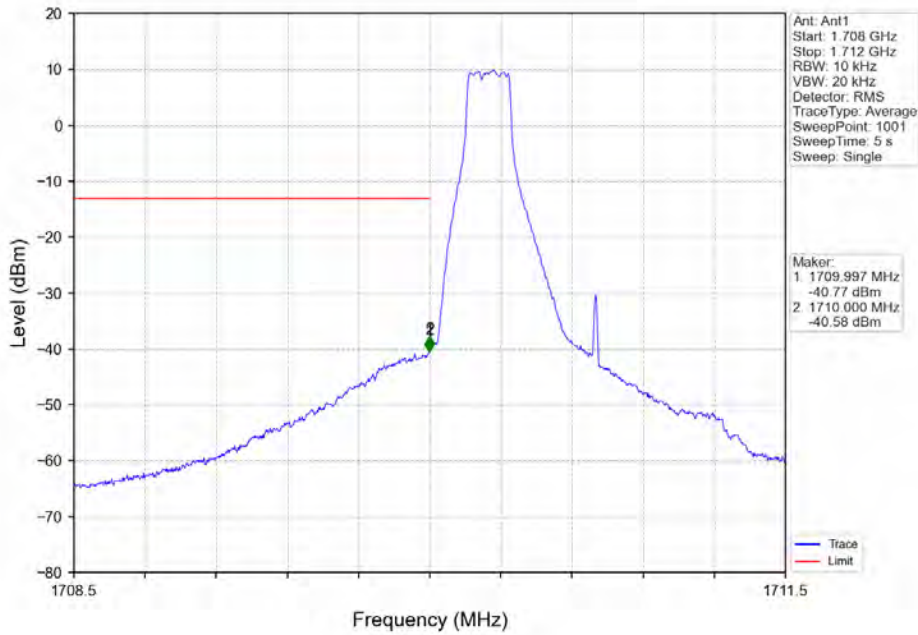


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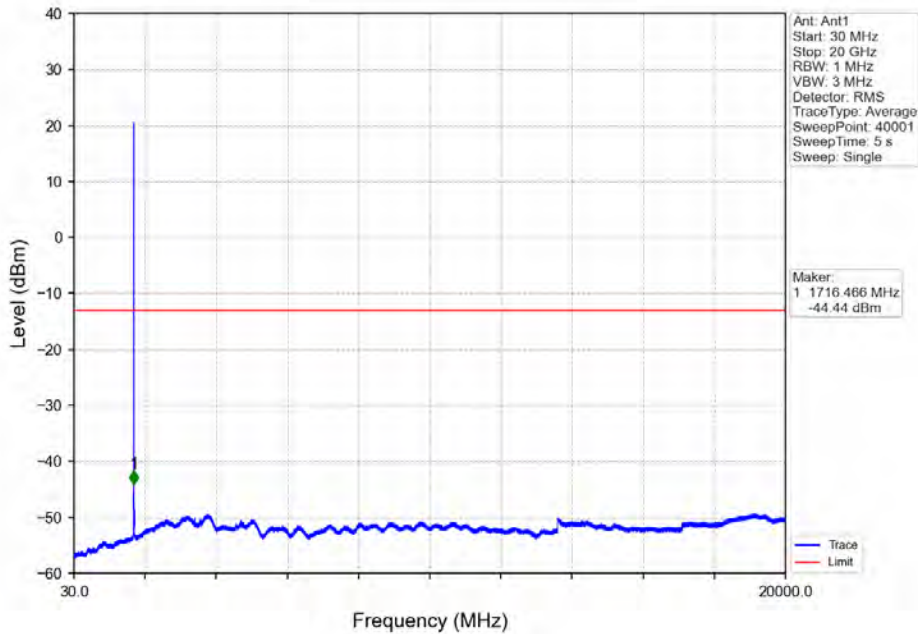




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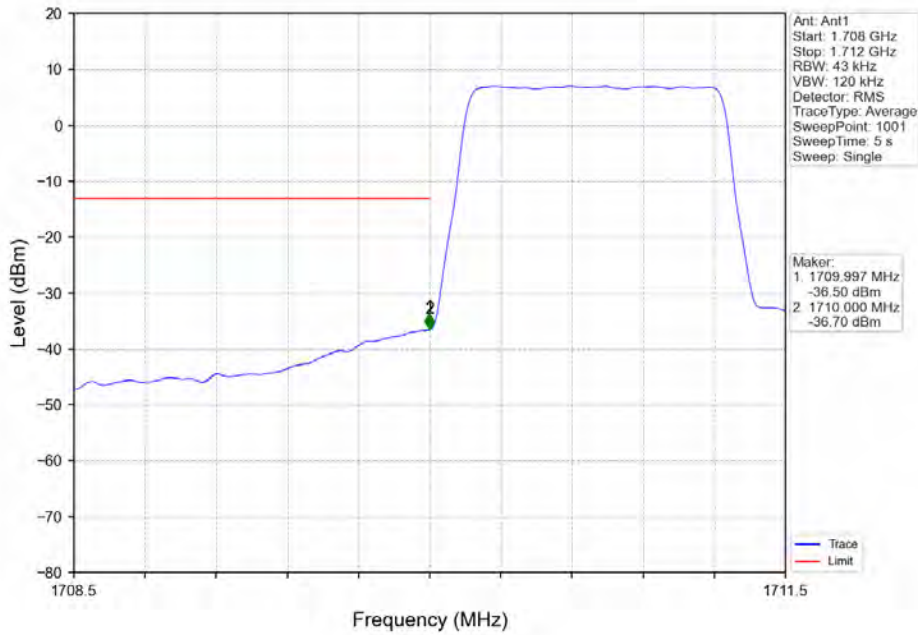
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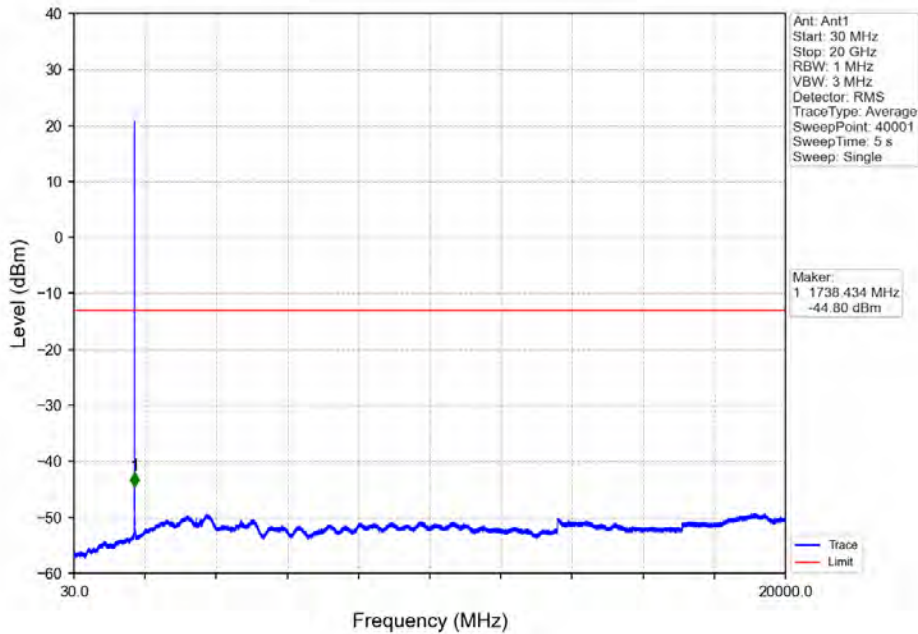
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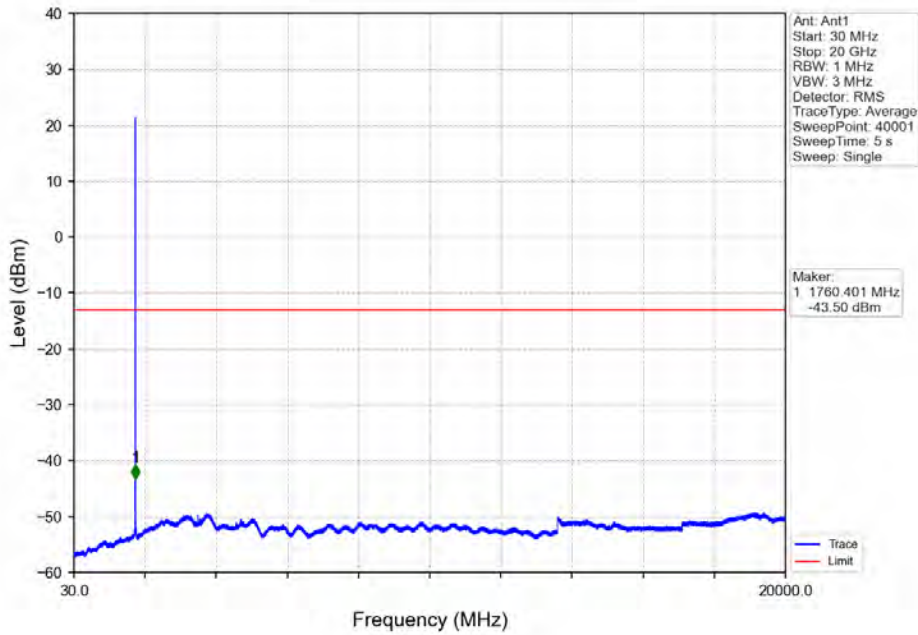


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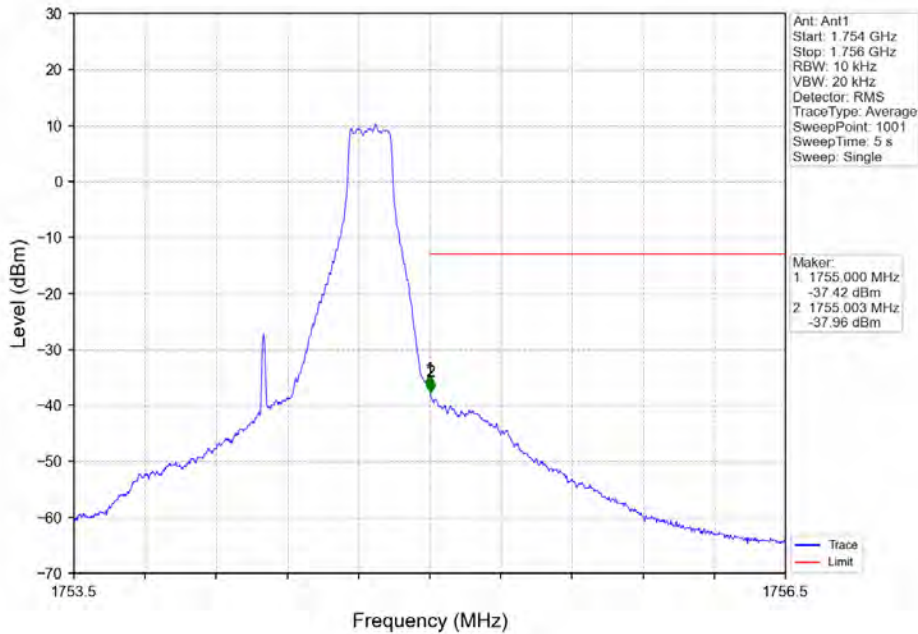




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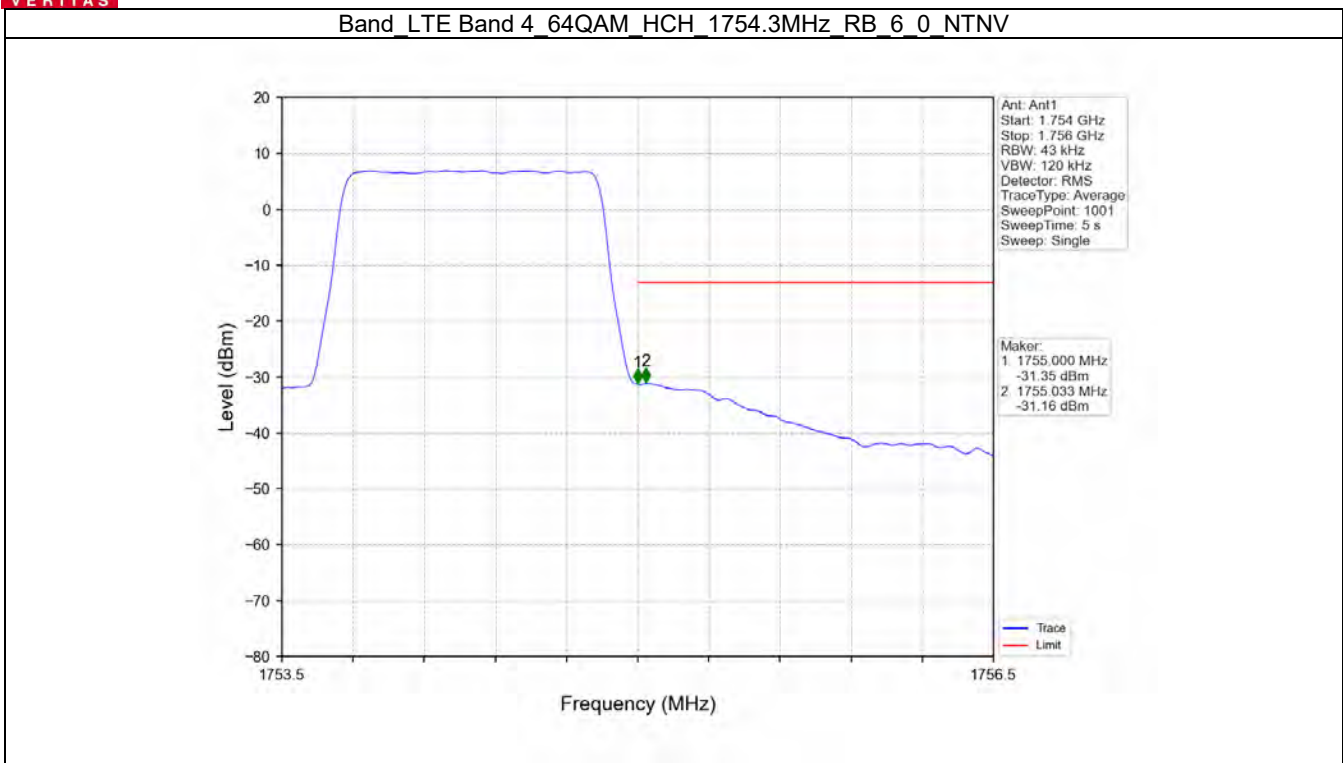
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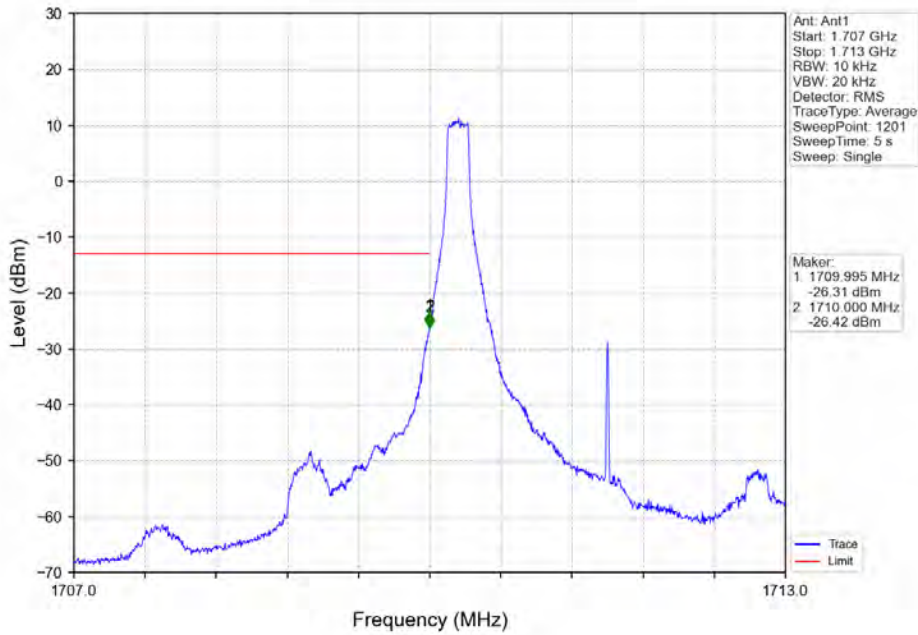
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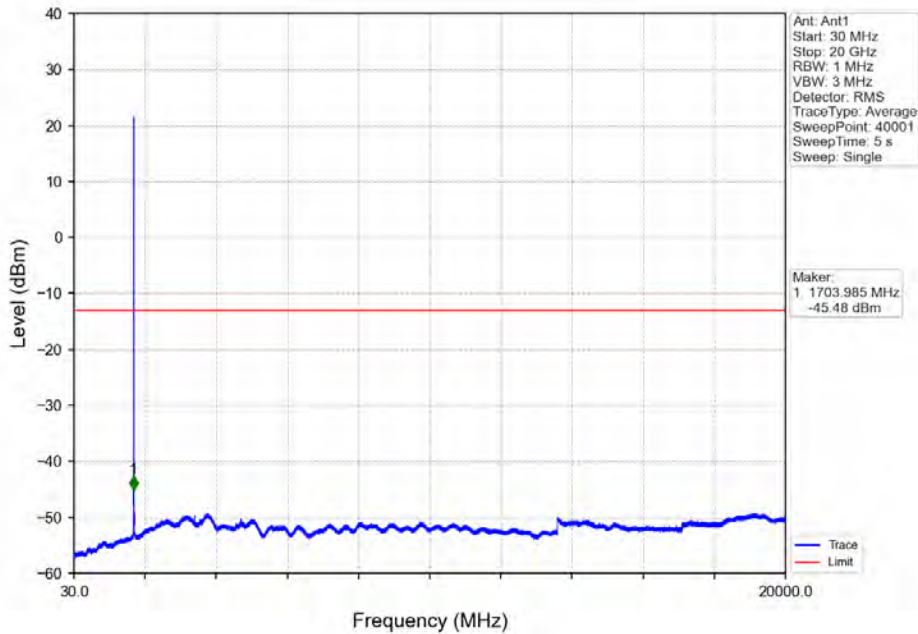
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Band 4 3MHz QPSK LCH 1711.5MHz RB 1\_0 NTN

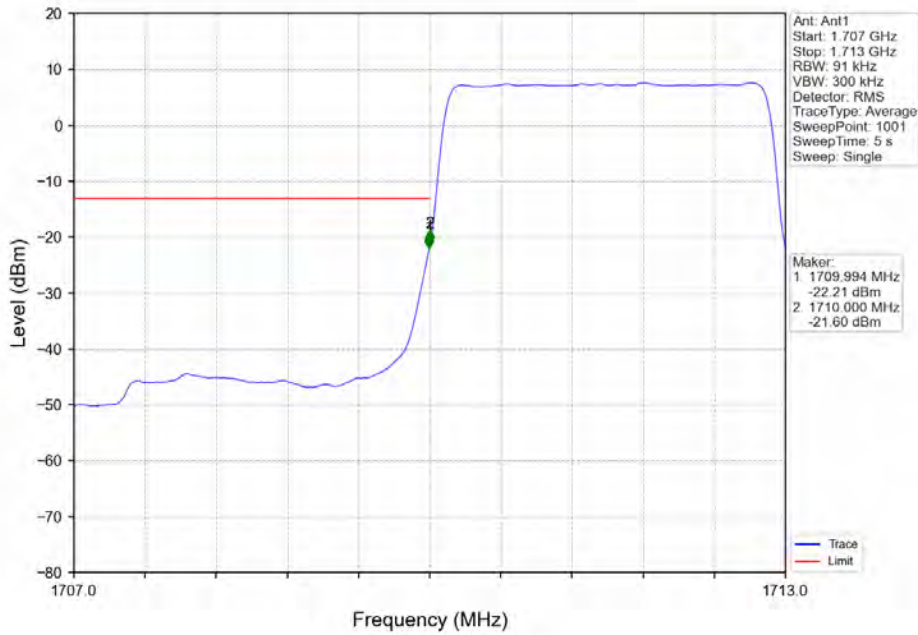


Band 4 3MHz QPSK LCH 1711.5MHz RB 1\_0 NTN

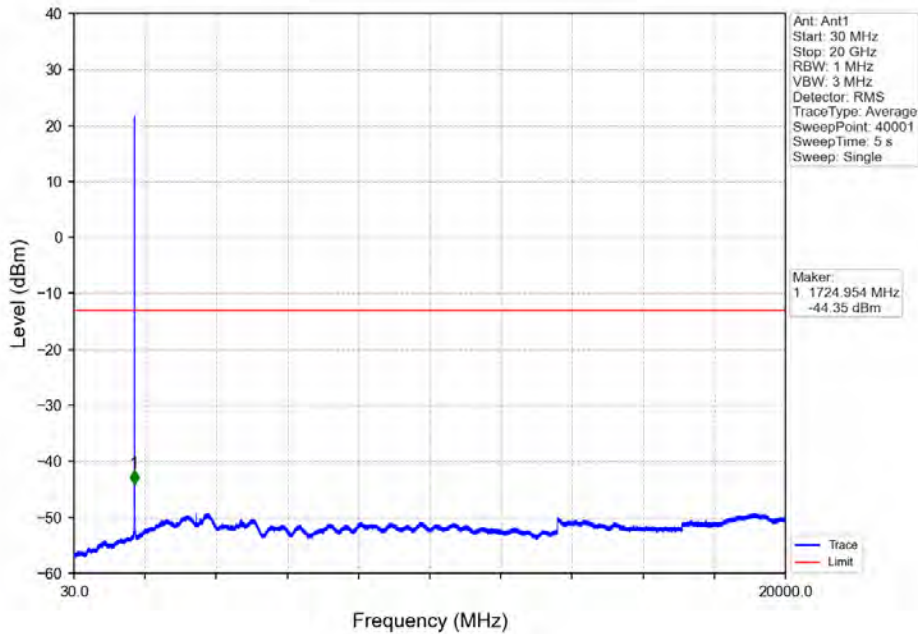




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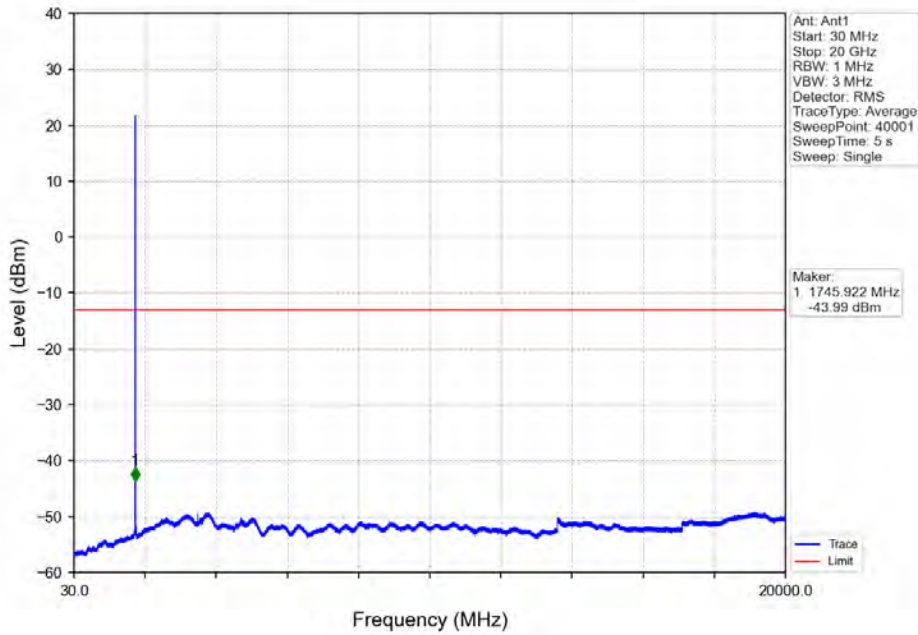


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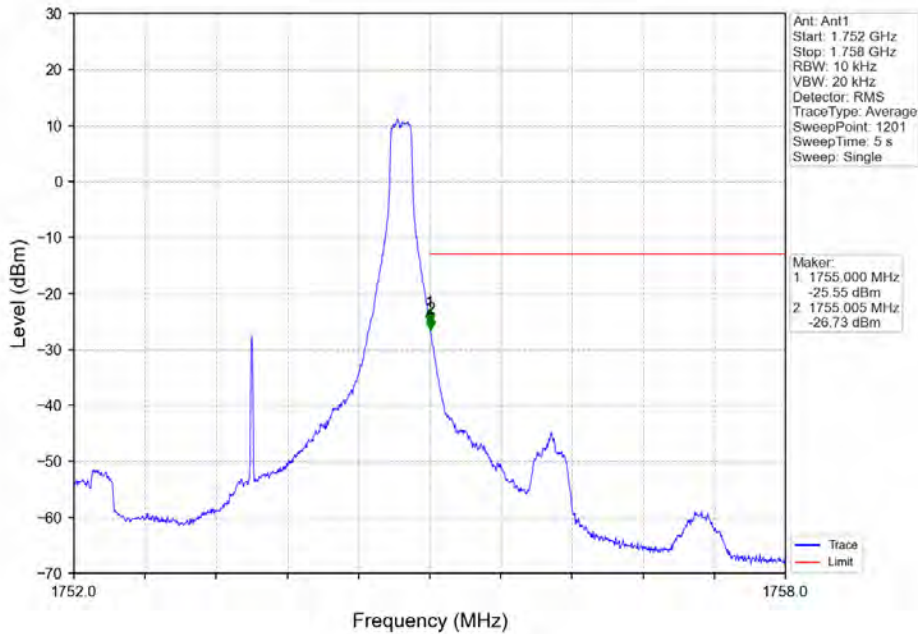




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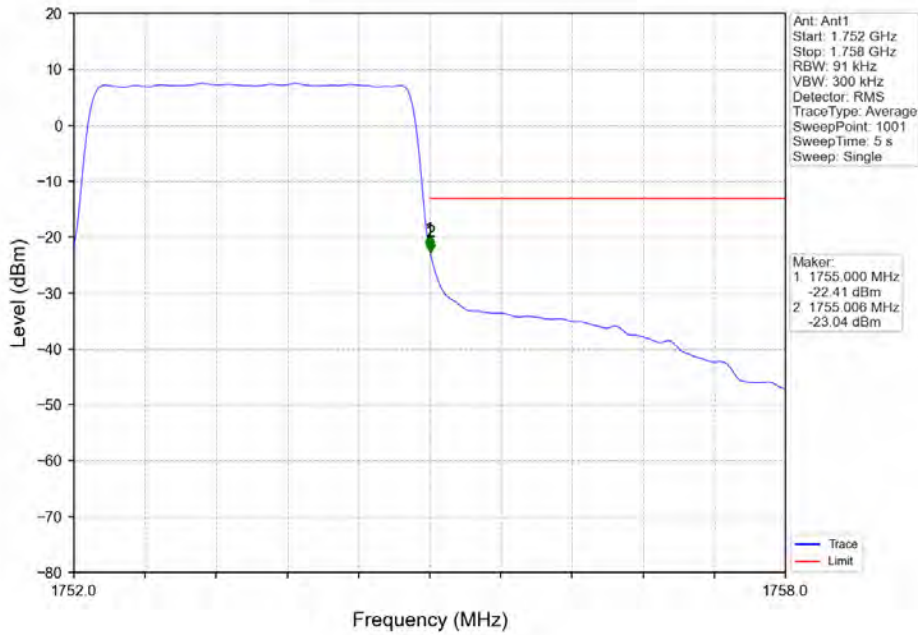


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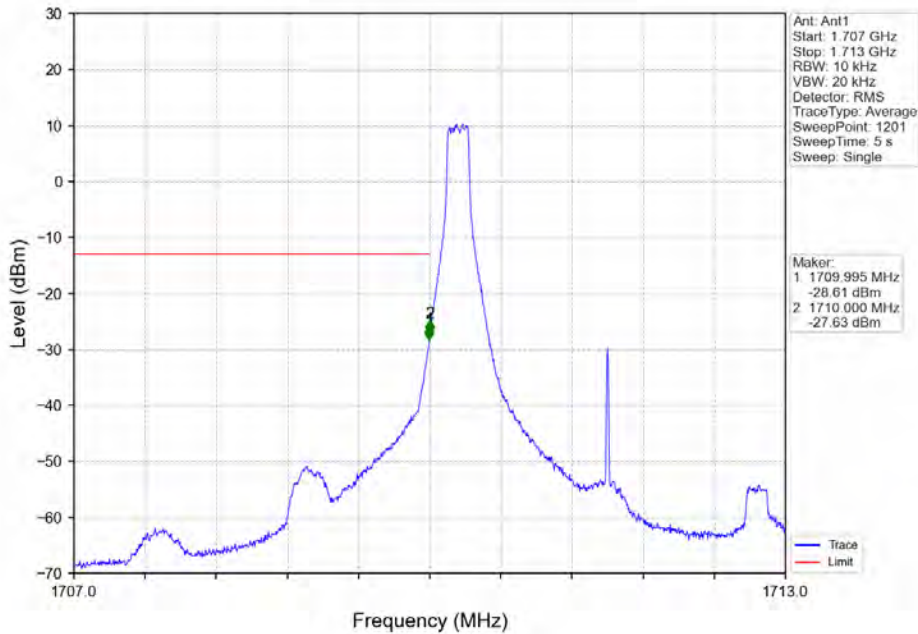




Band 4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTVN

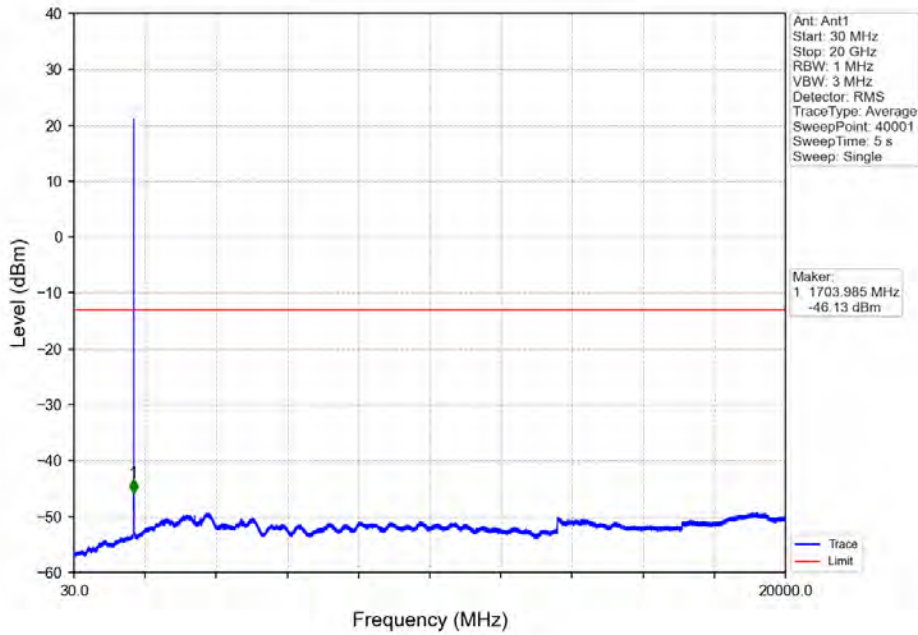


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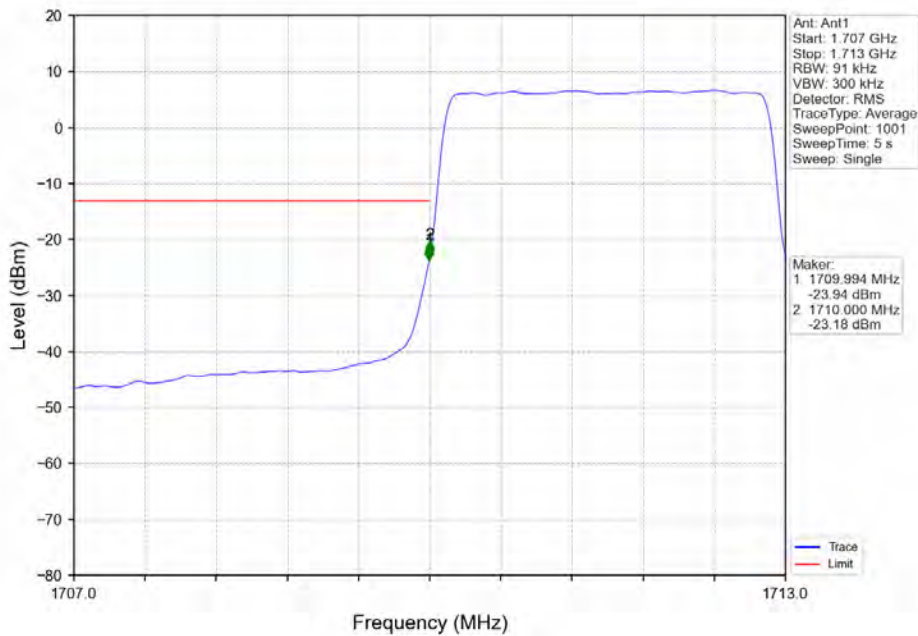




**Band 4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTVN**



**Band 4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTVN**



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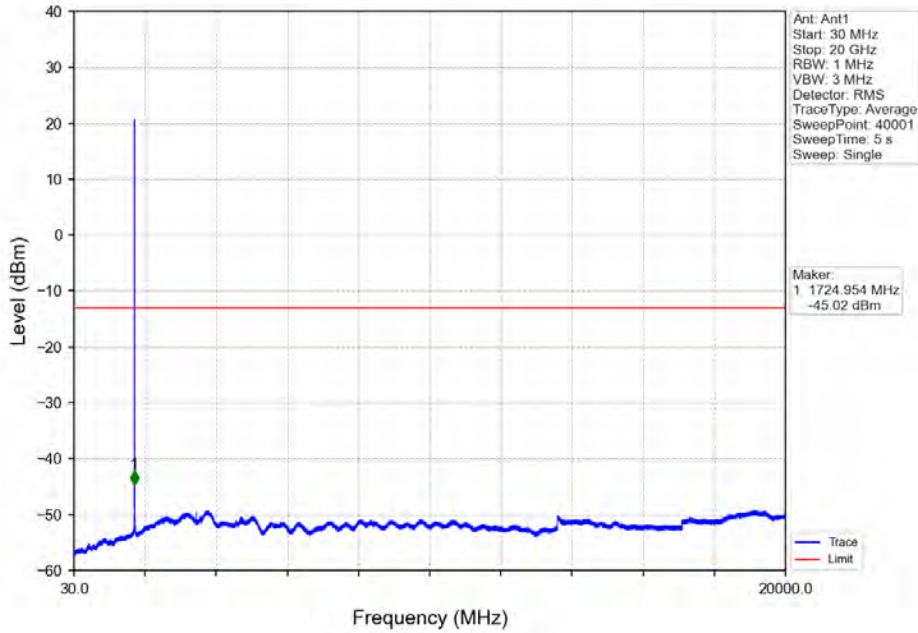
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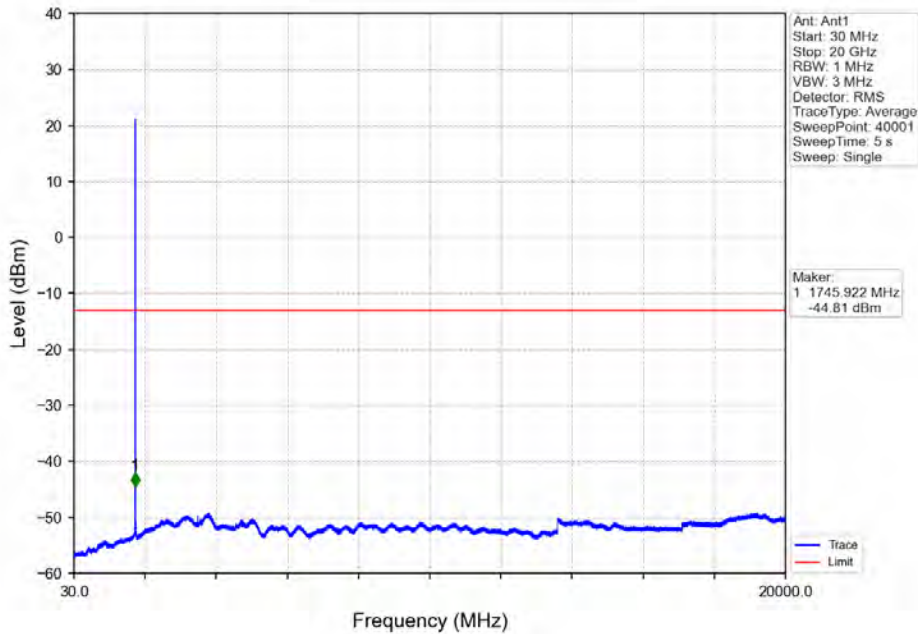
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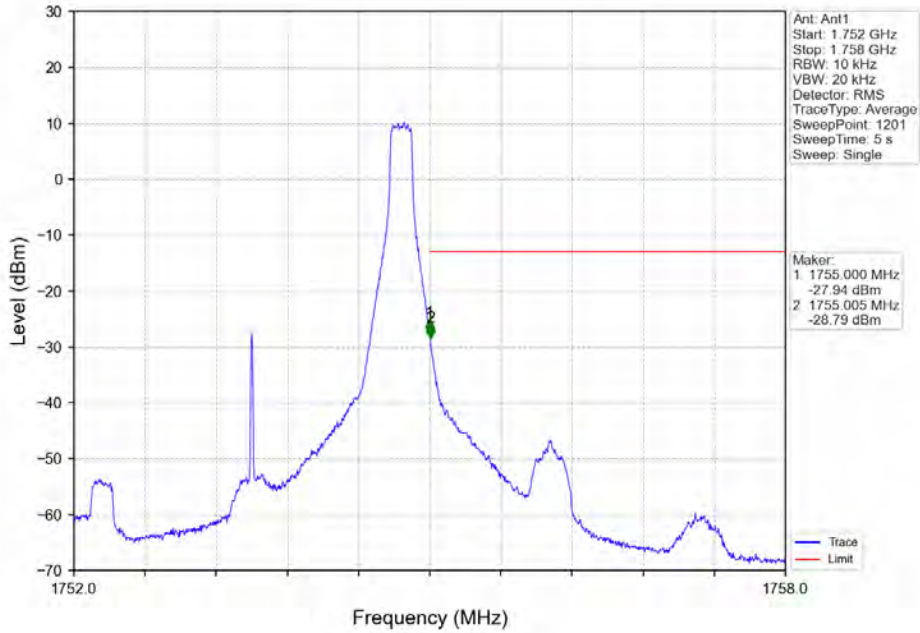


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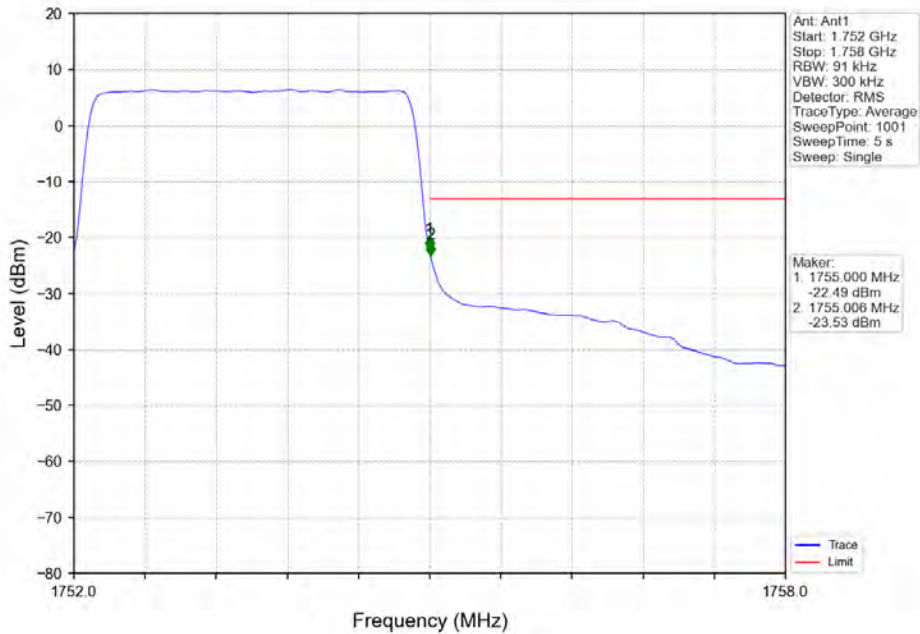




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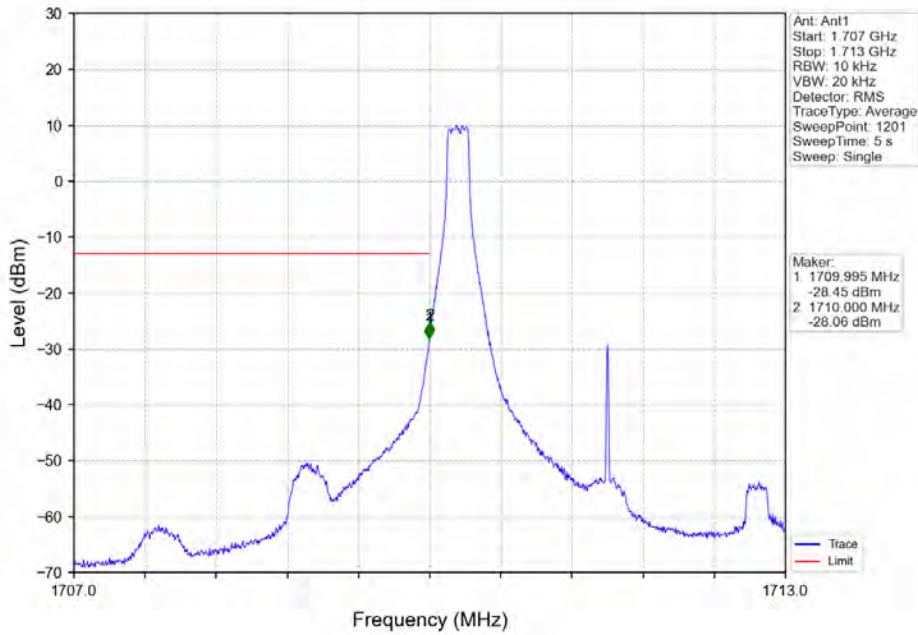
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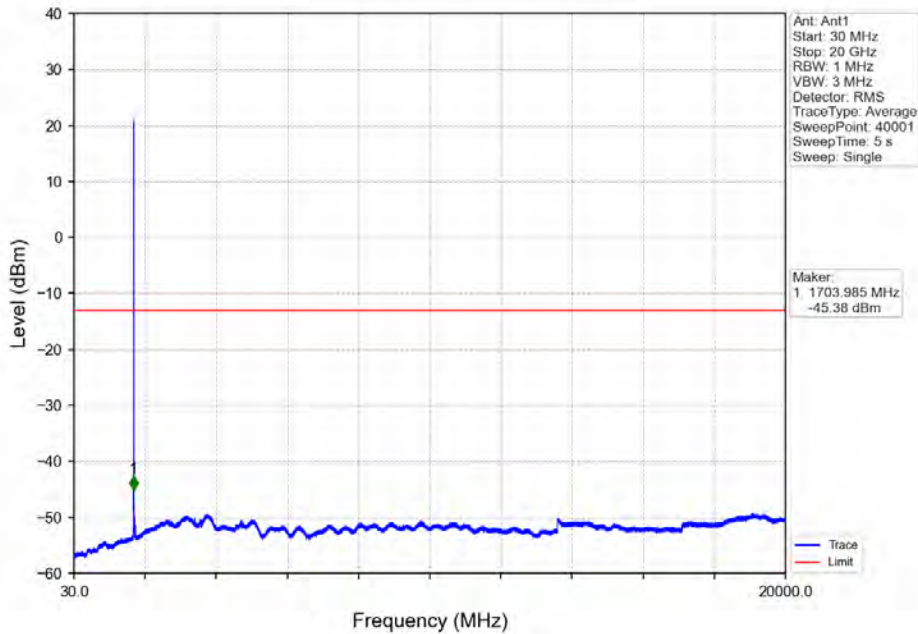




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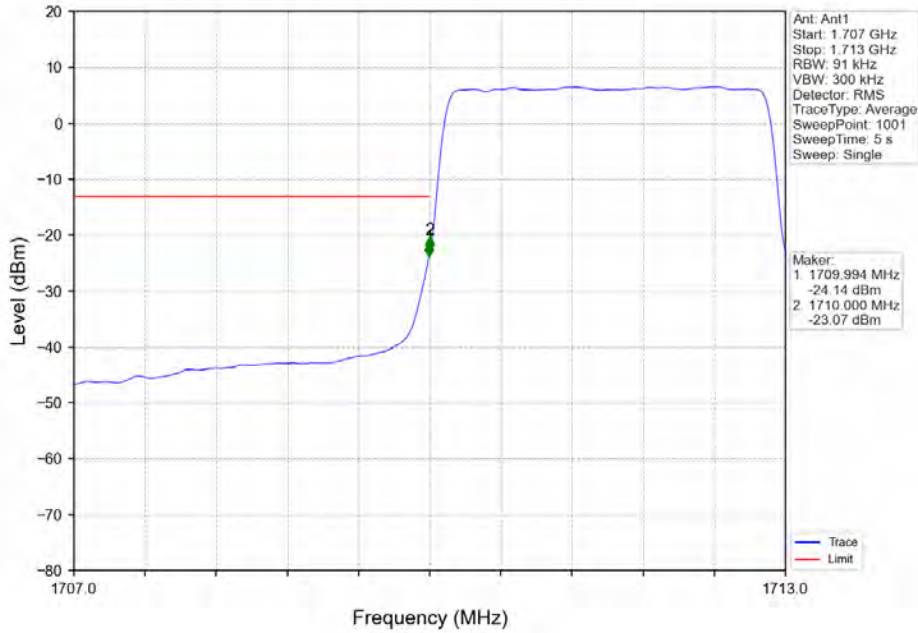


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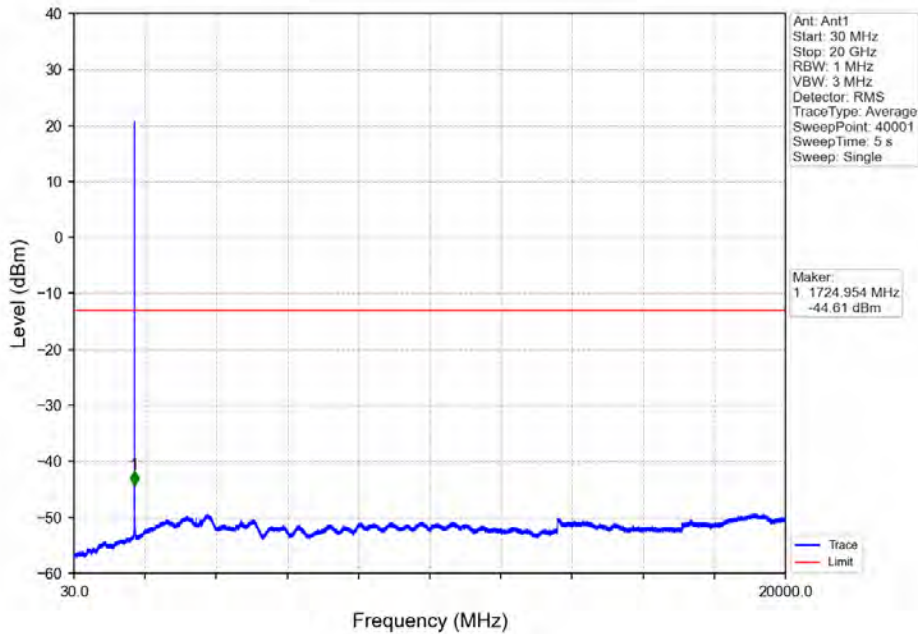




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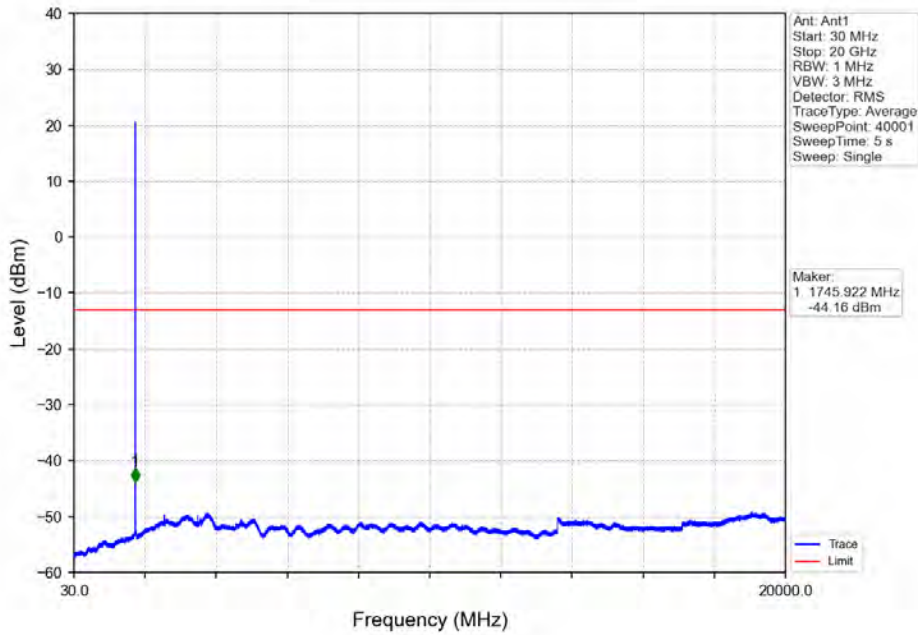


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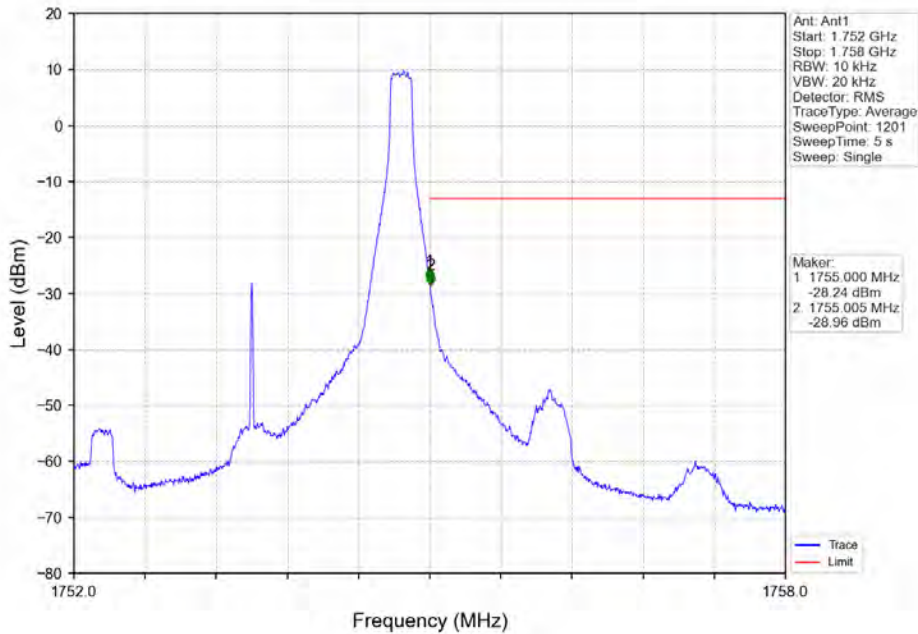




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Band 4 3MHz 64QAM HCH 1753.5MHz RB 1 14 NTVN



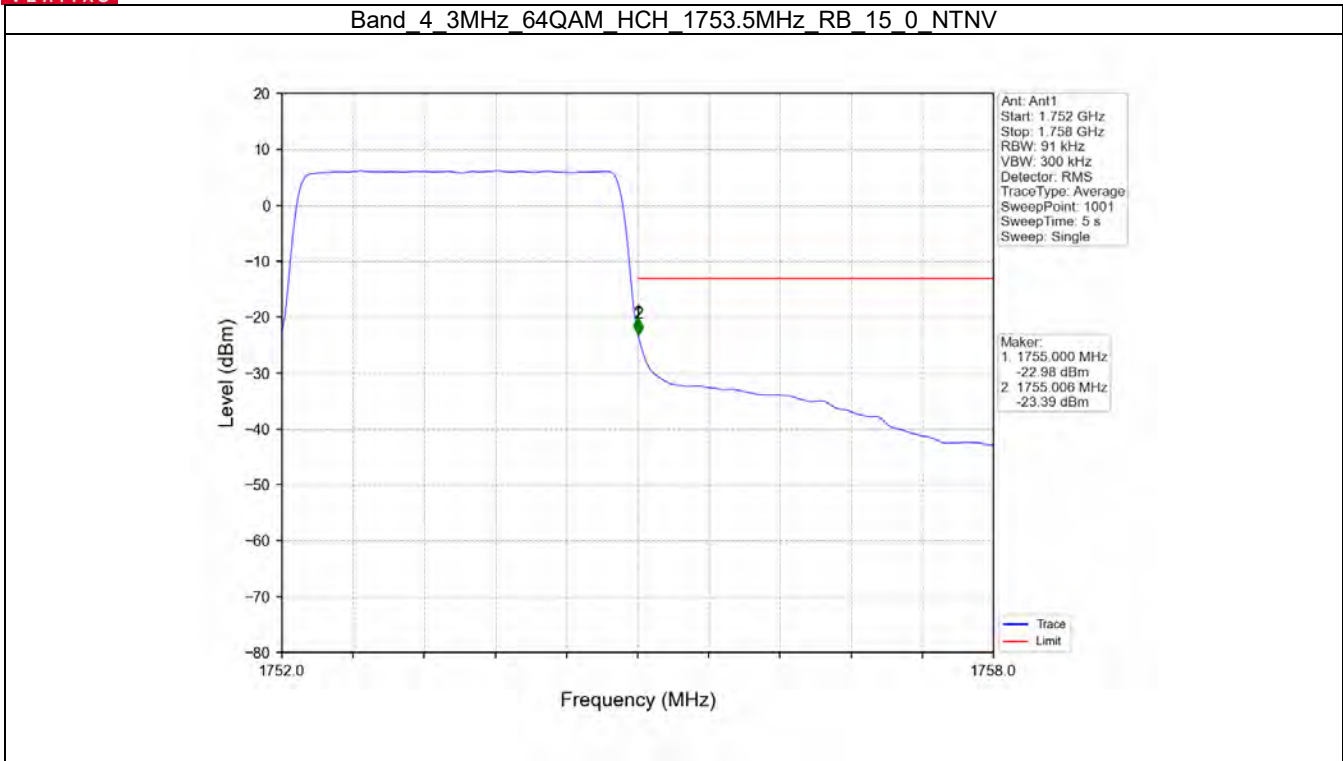
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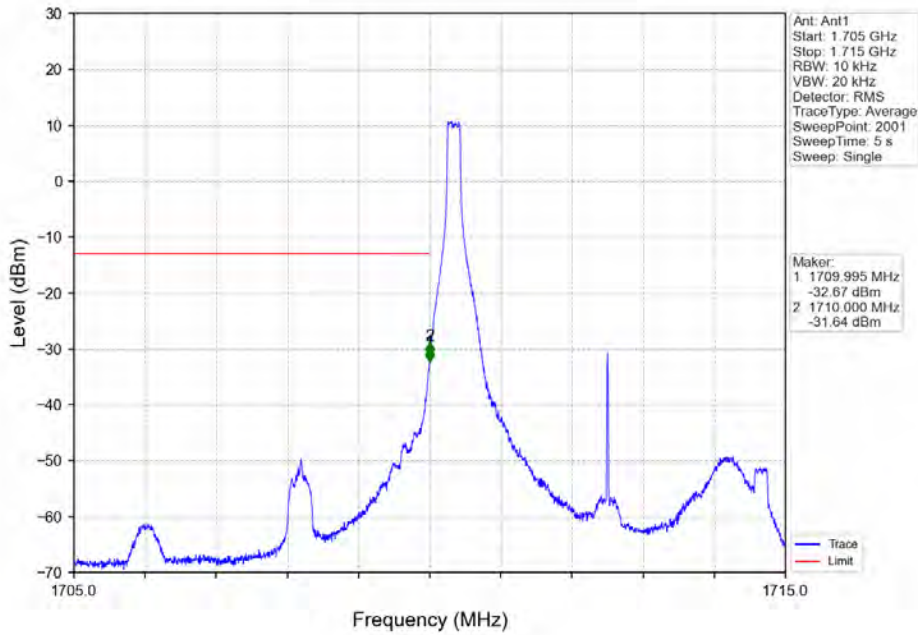
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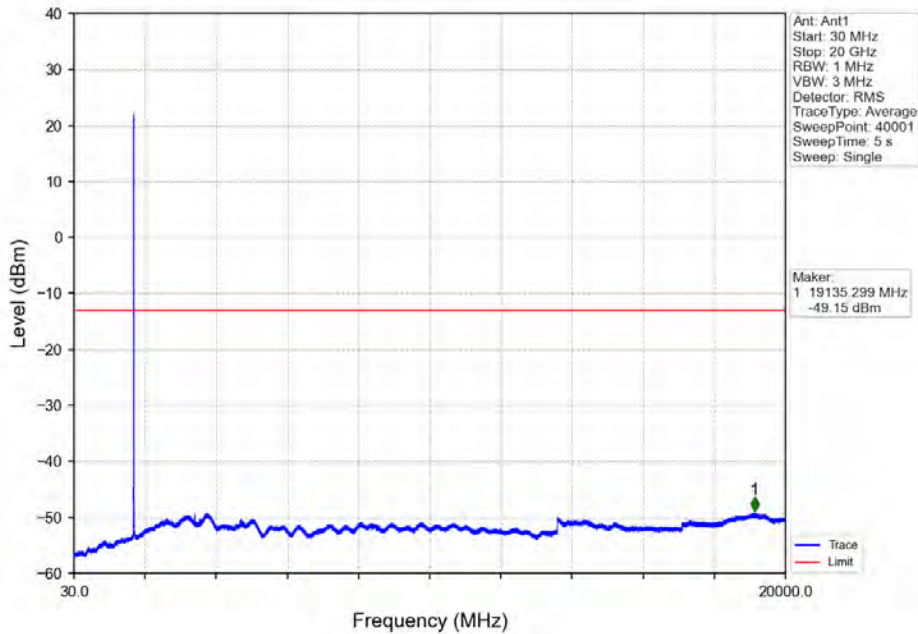
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Band 4 5MHz QPSK LCH 174.0.5MHz RB 1 0 NTV

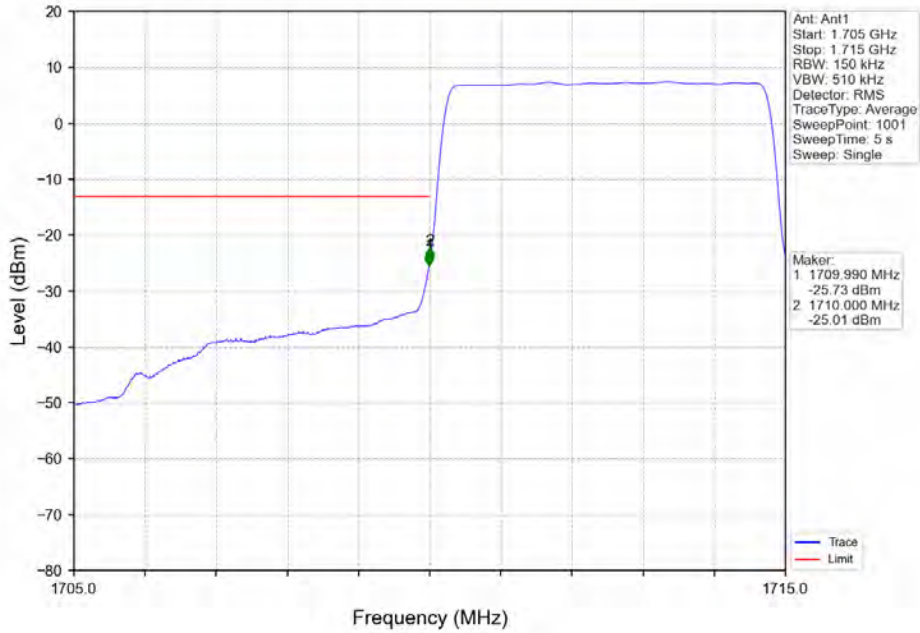


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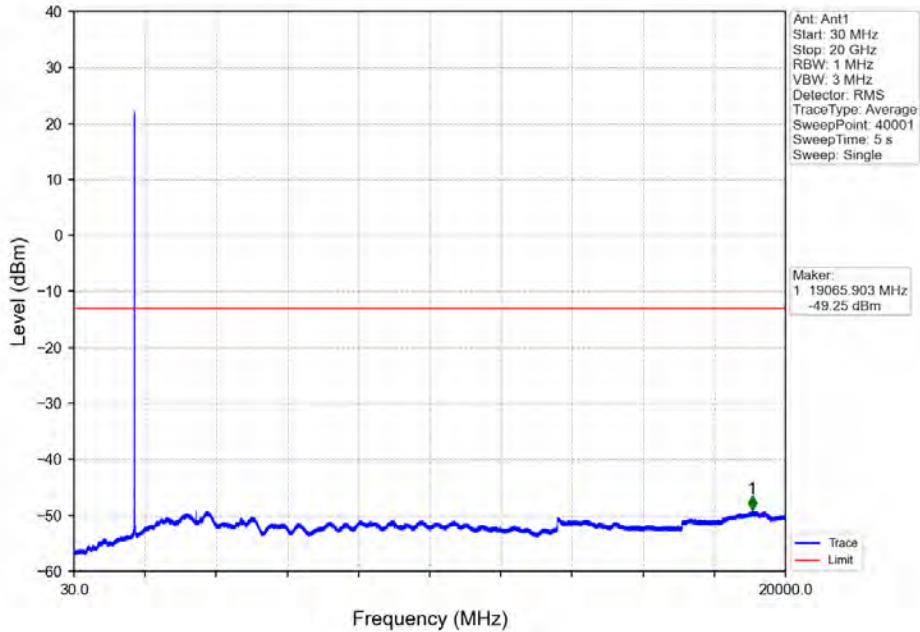




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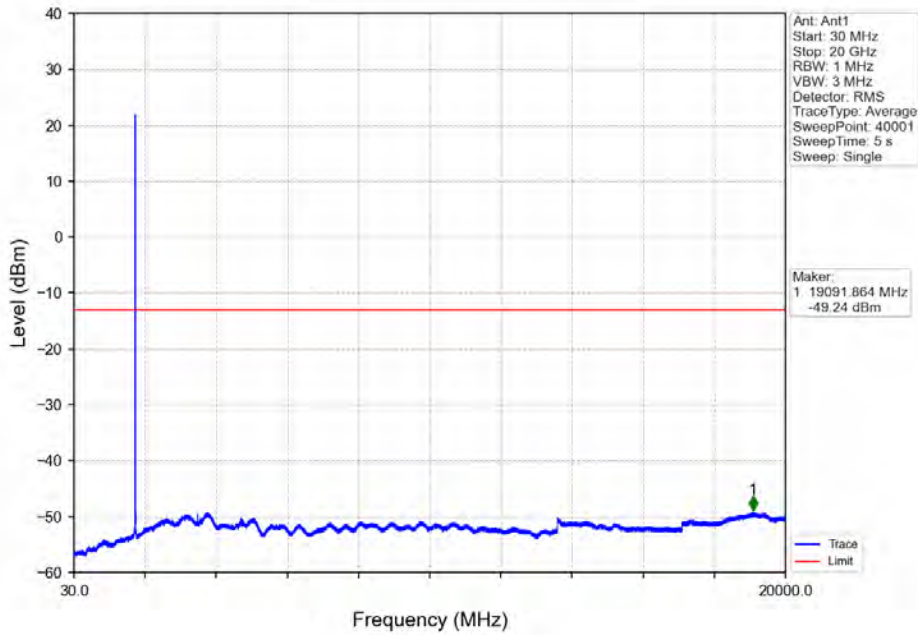


Band 4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTNV





**Band 4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTV**



**Band 4 5MHz QPSK HCH 1752.5MHz RB 1 24 NTV**

