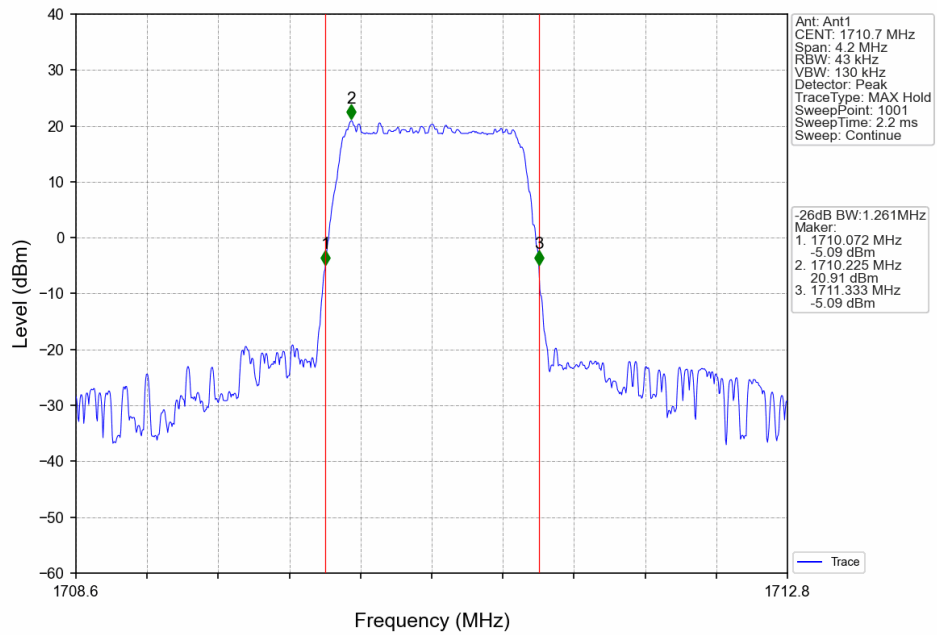


Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV

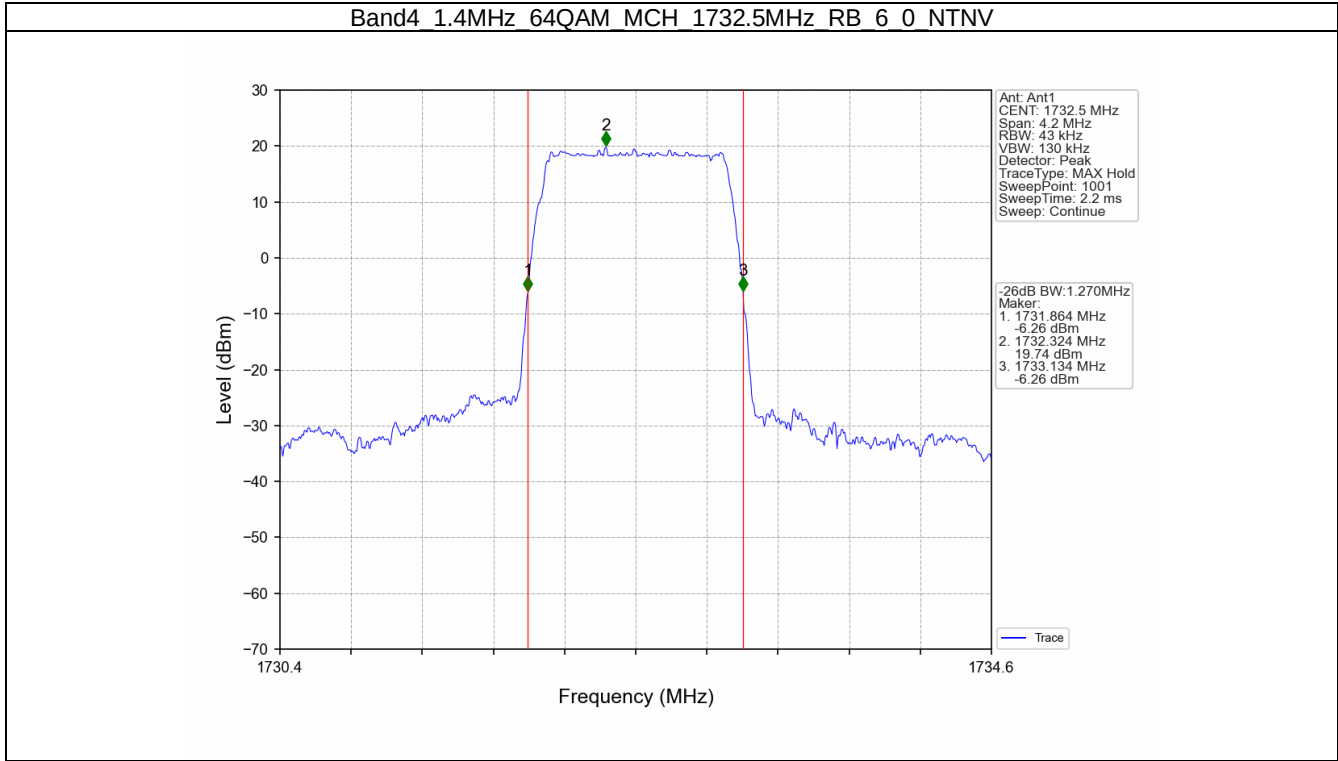




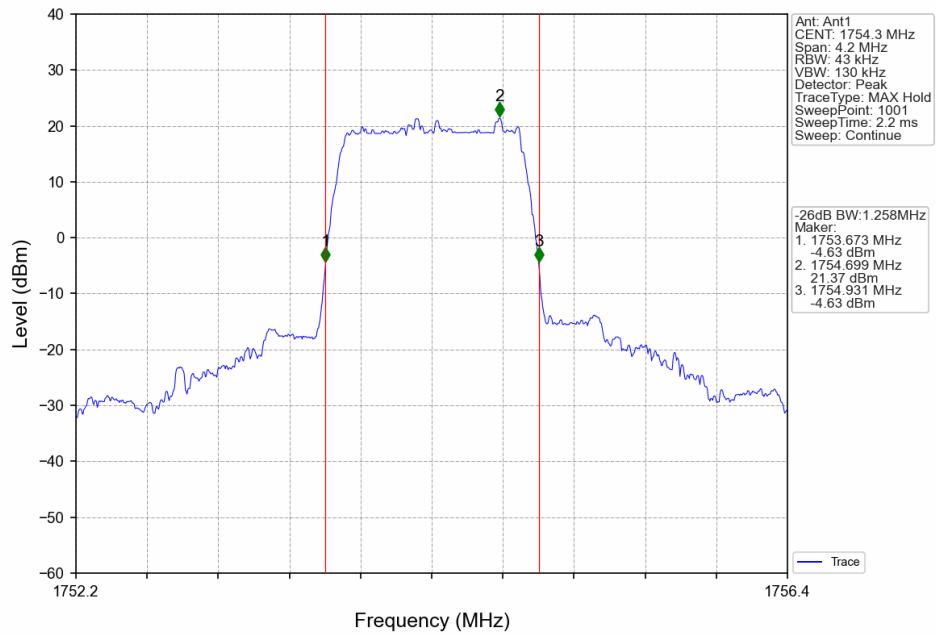
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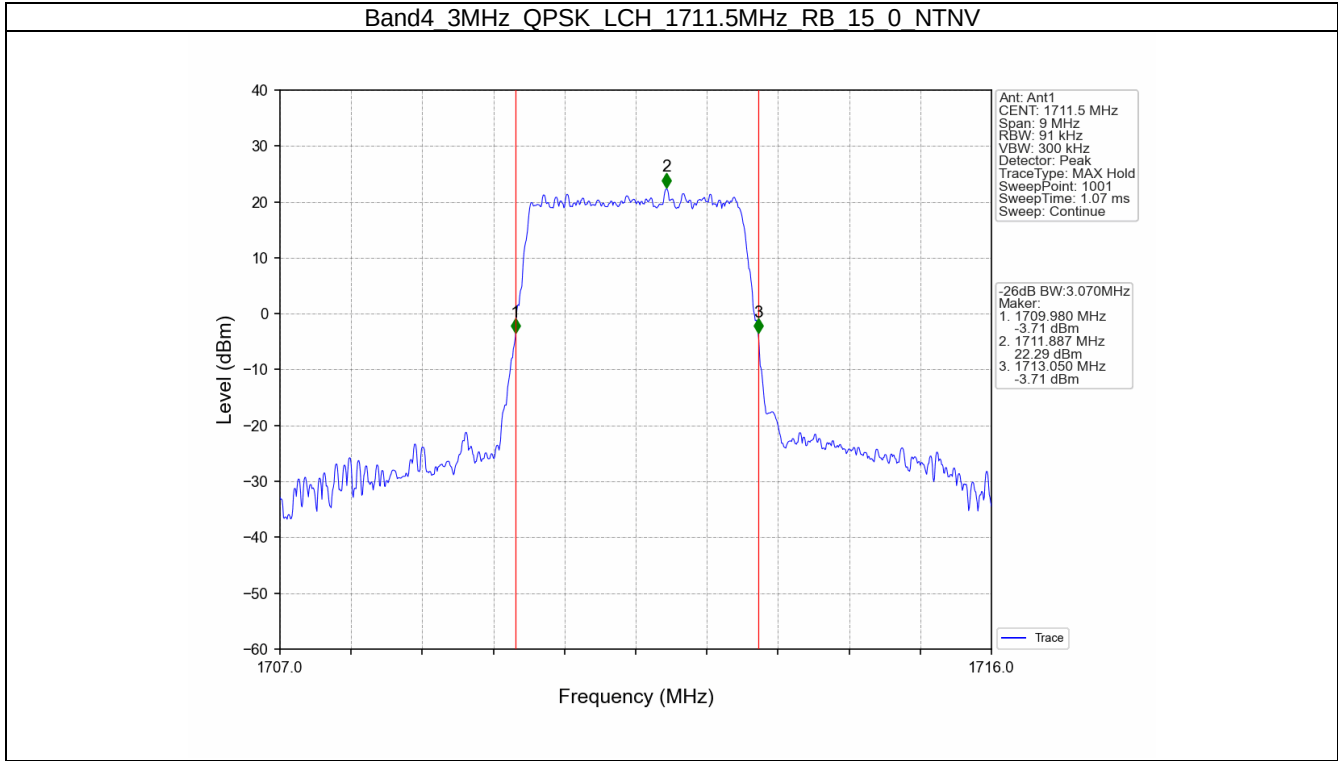
Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_6_0_NTNV



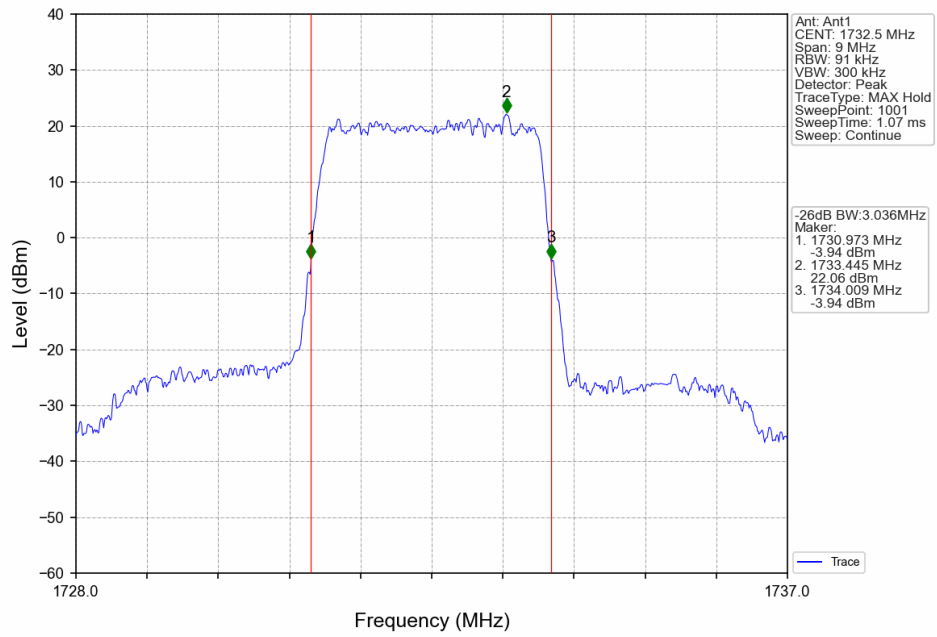


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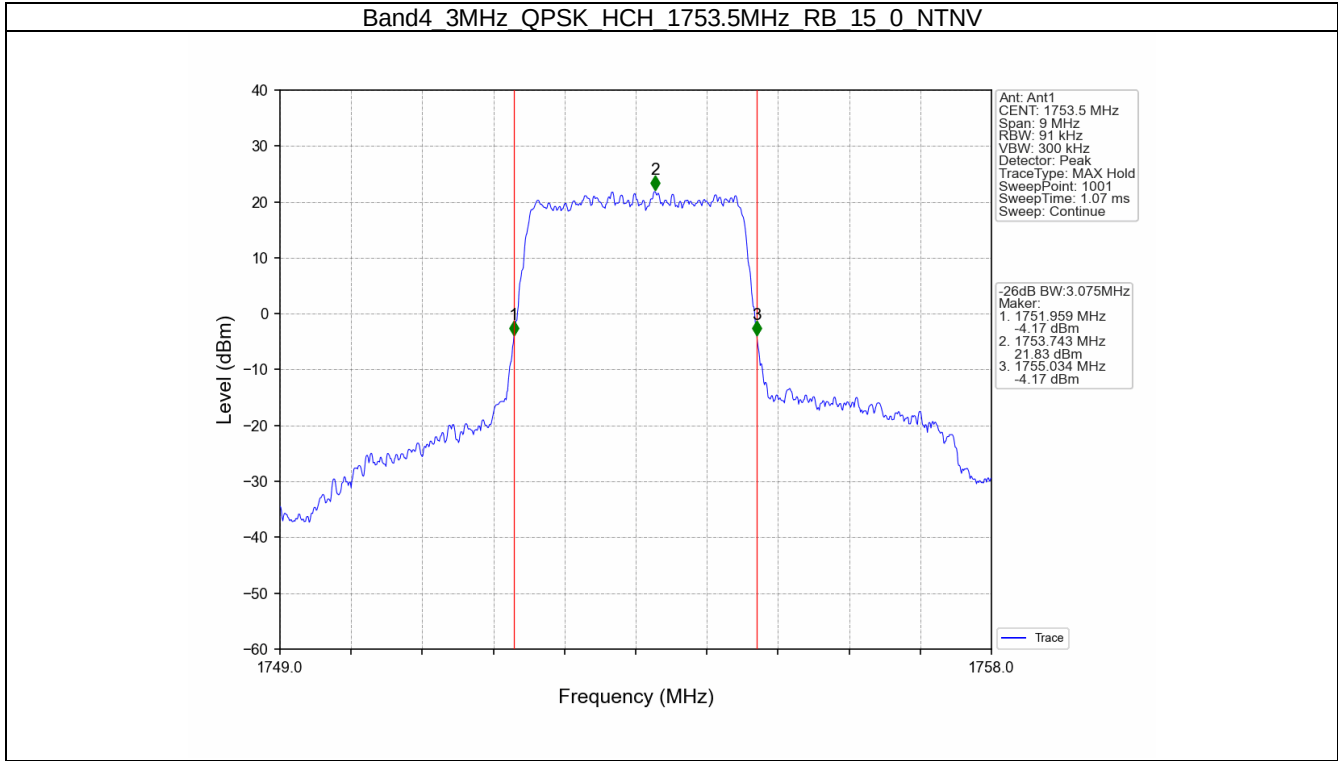
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



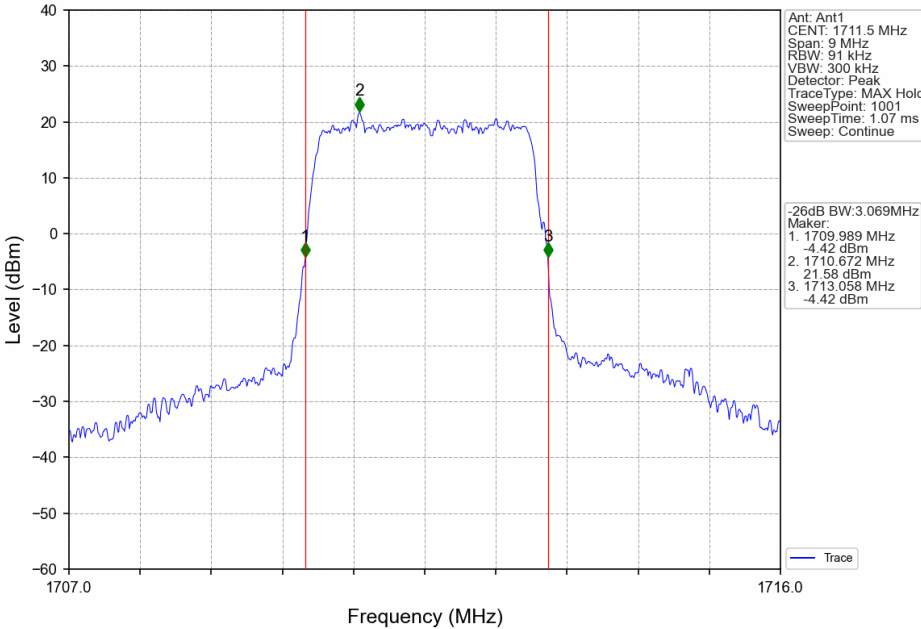


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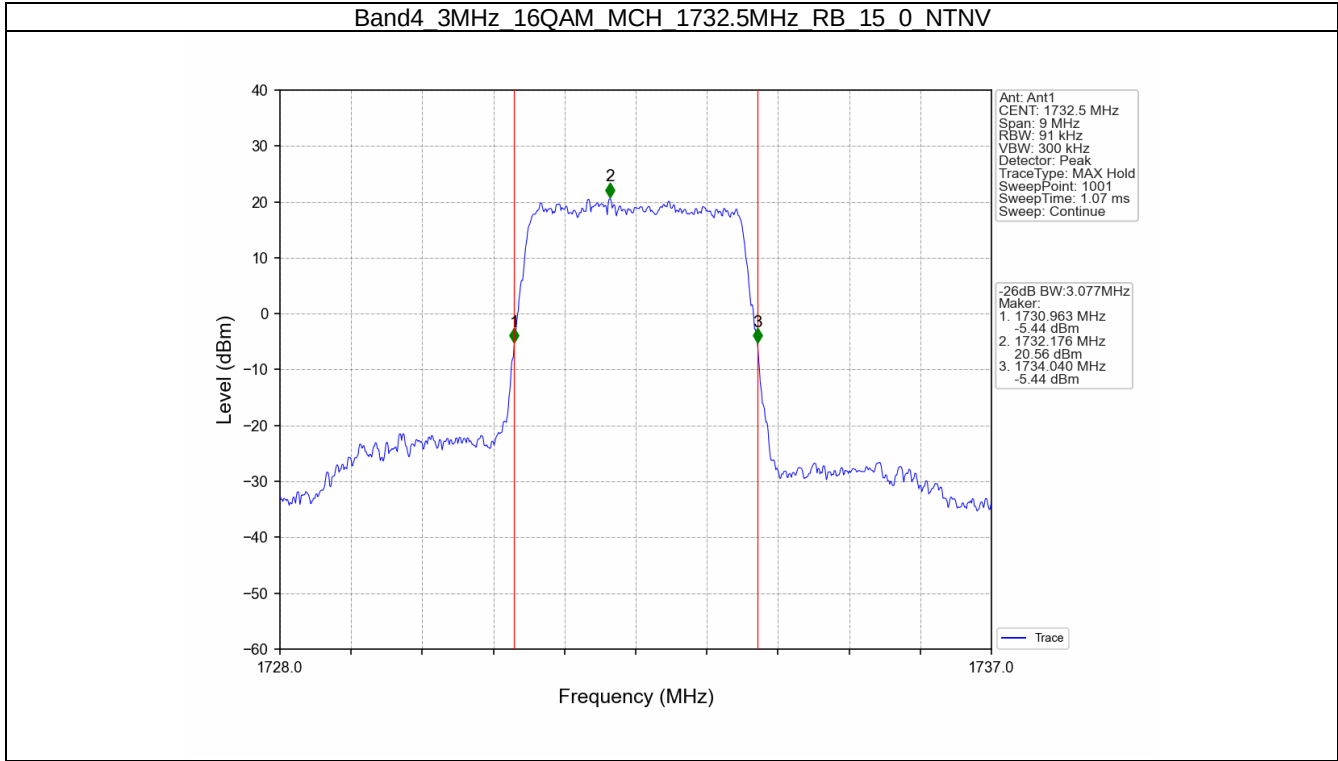
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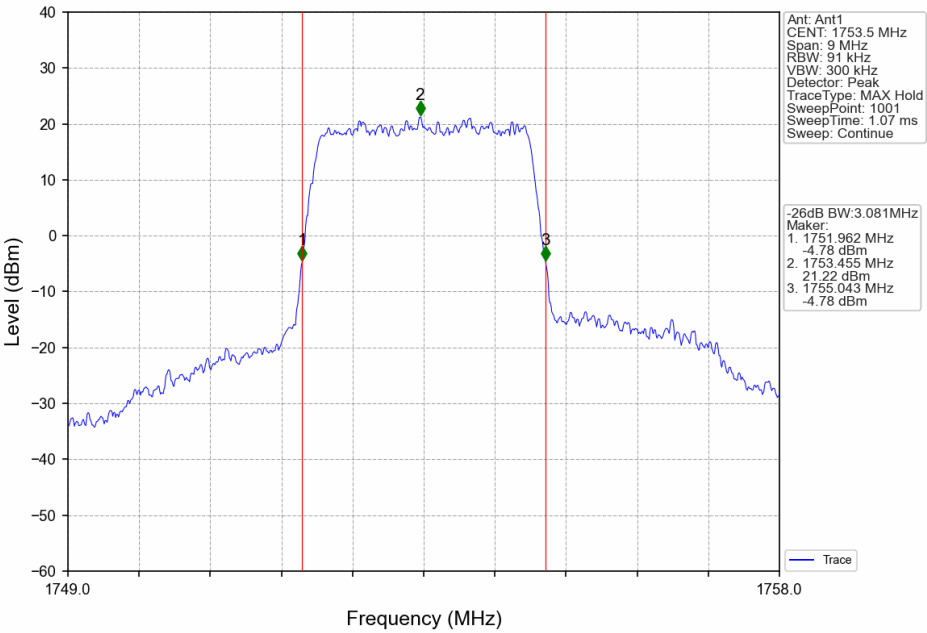


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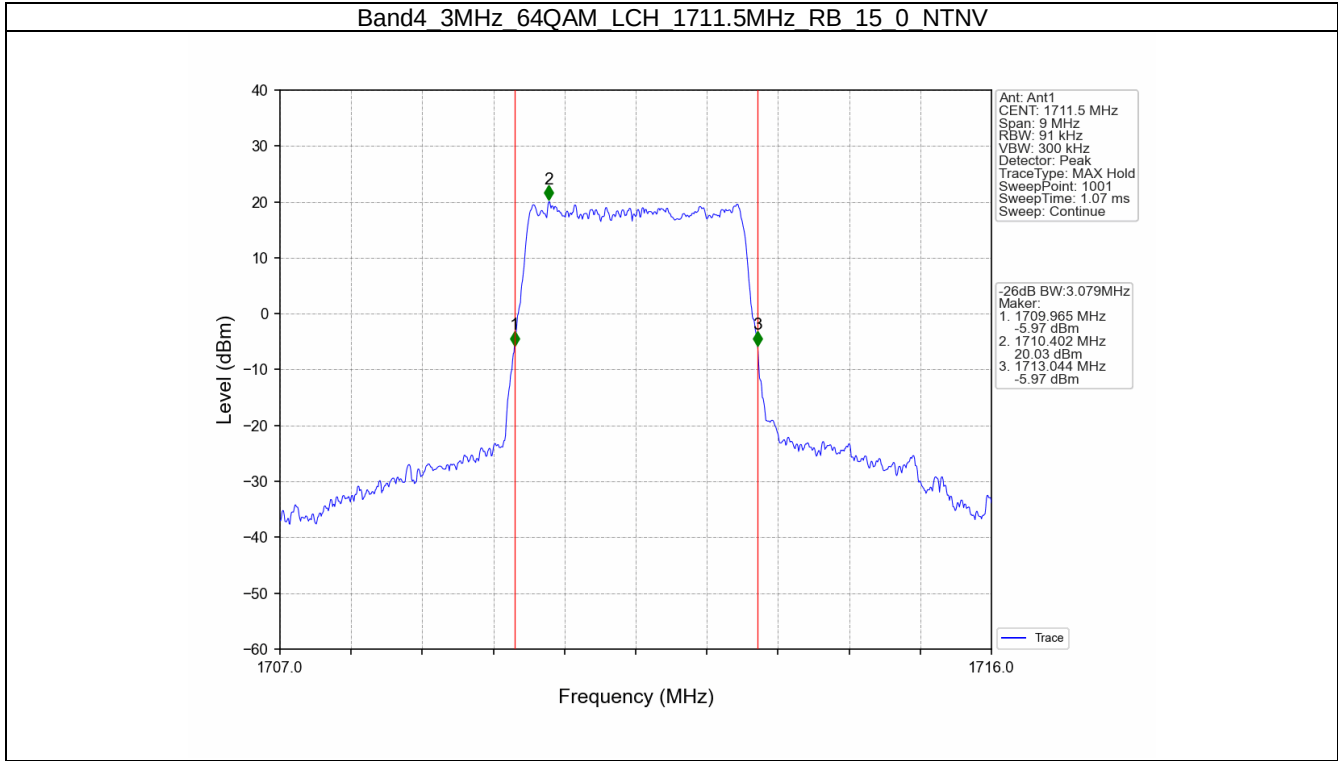
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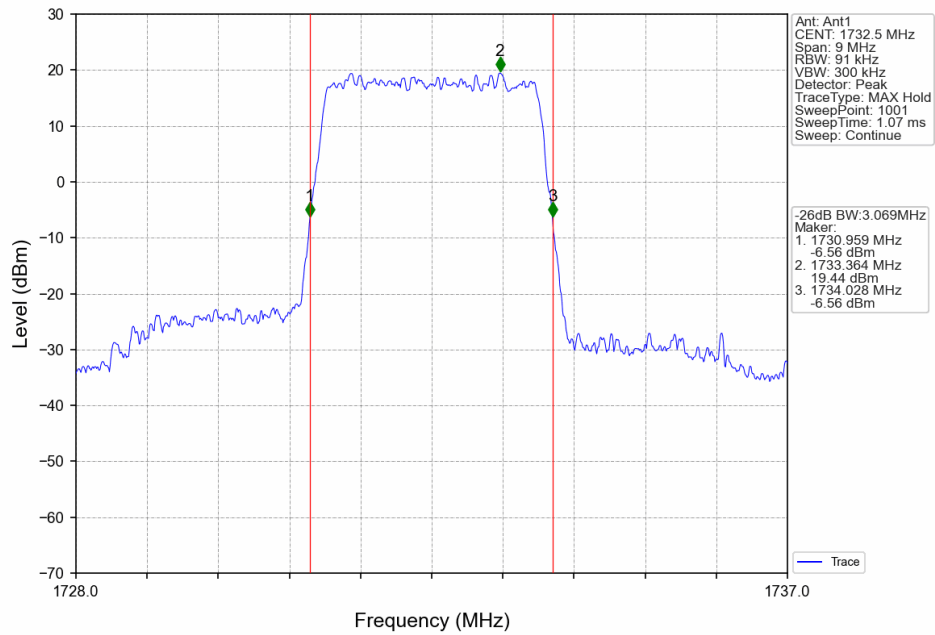


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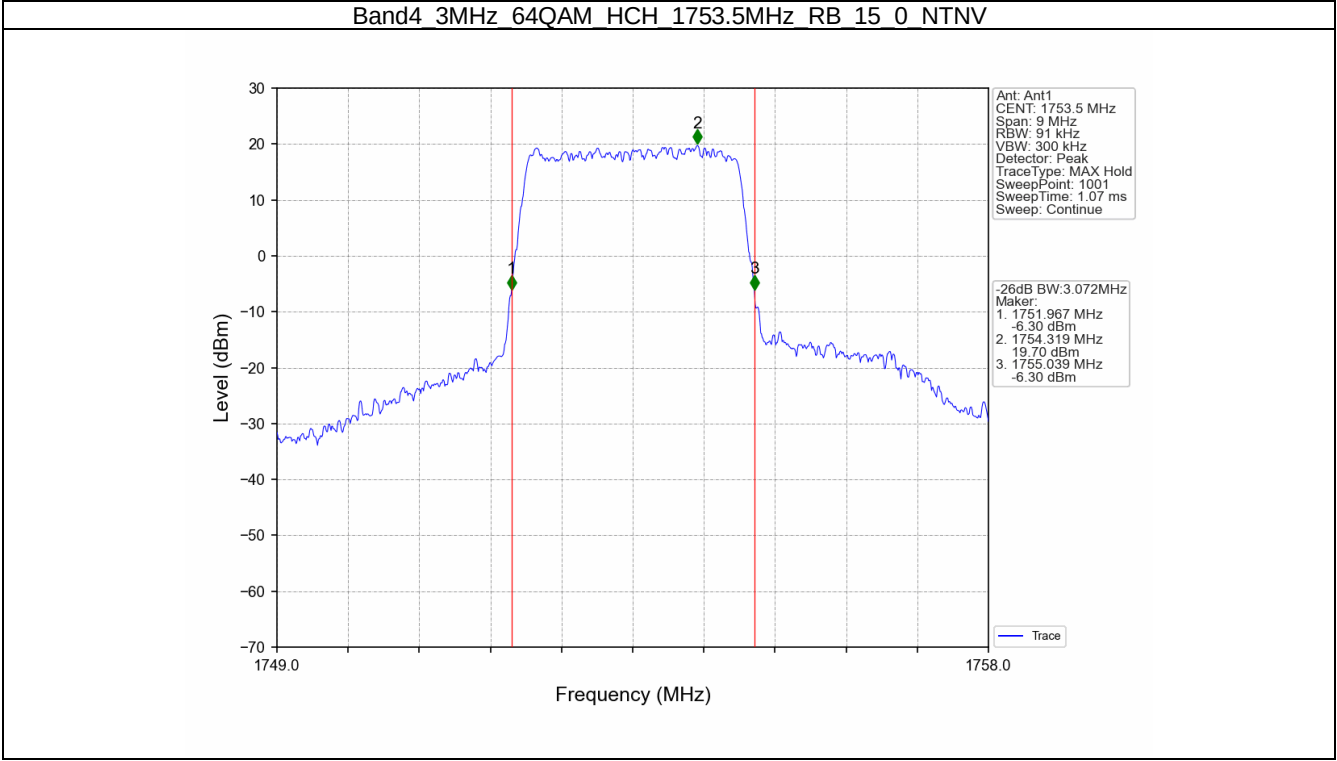
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



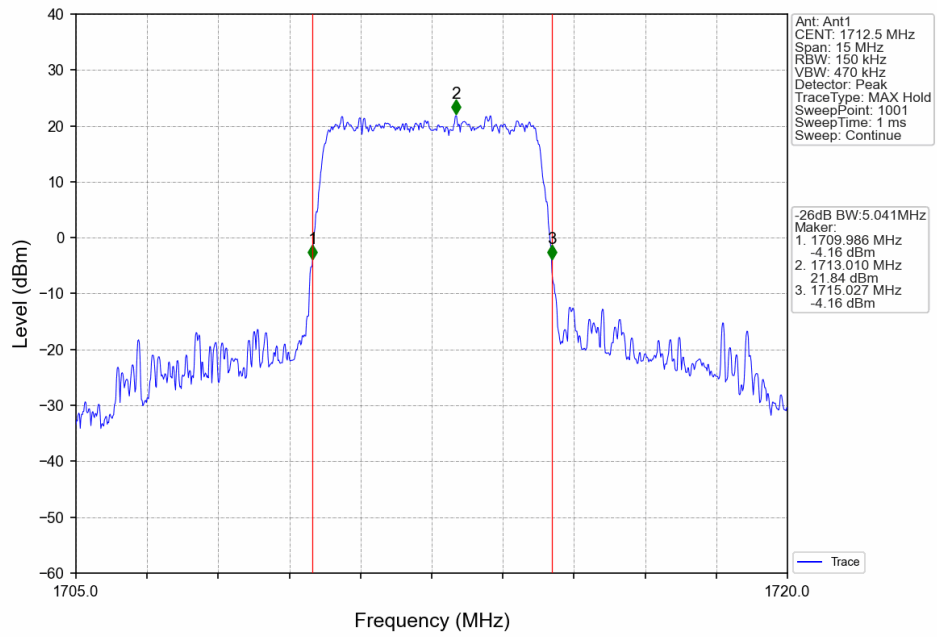


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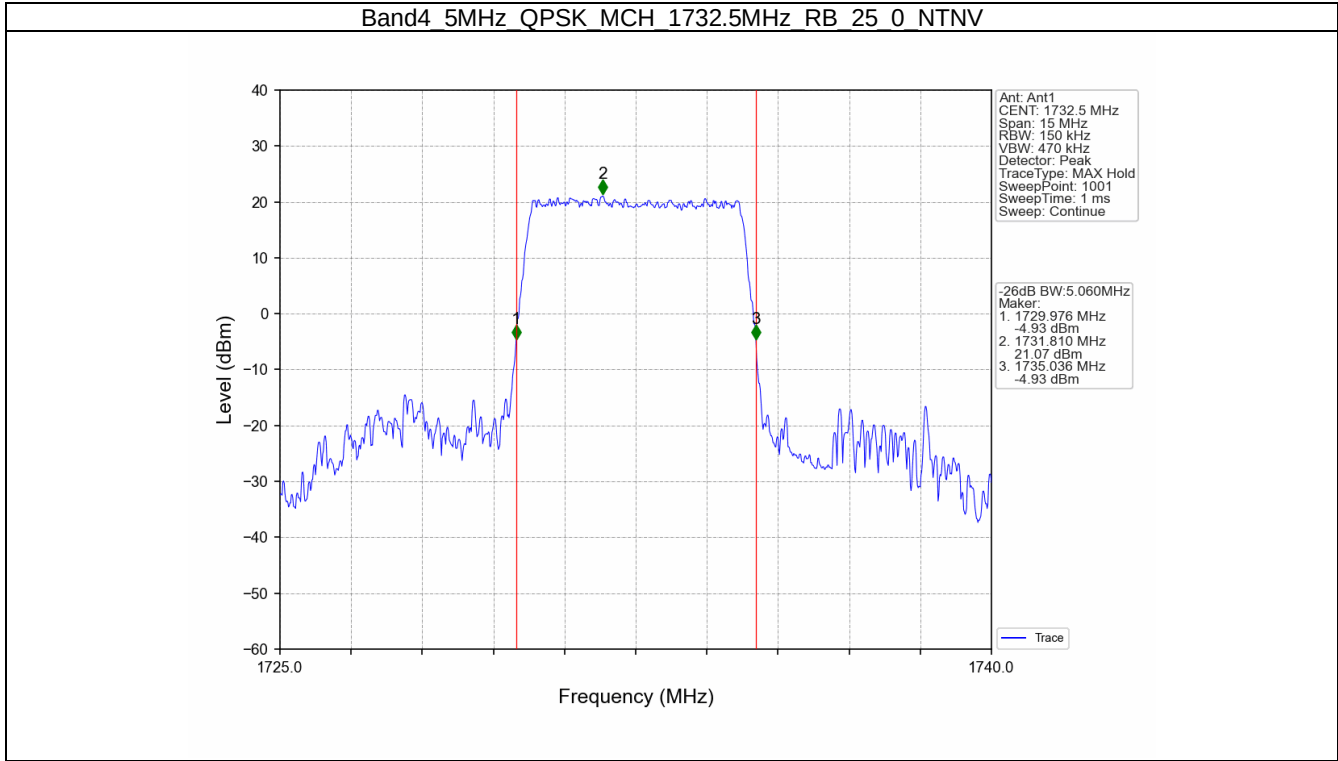
Band4 5MHz QPSK LCH 1712.5MHz RB 25_0 NTN



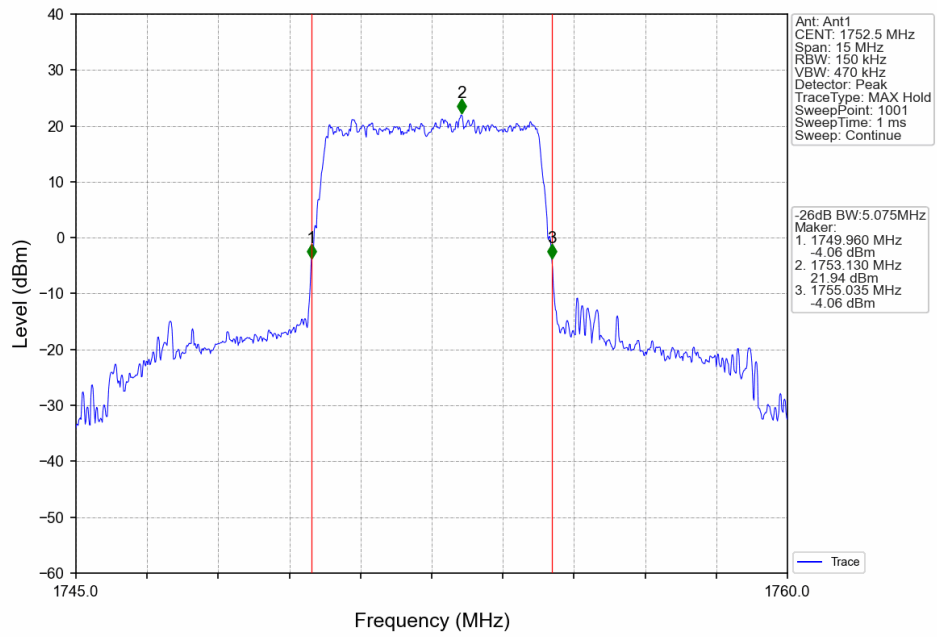


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Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

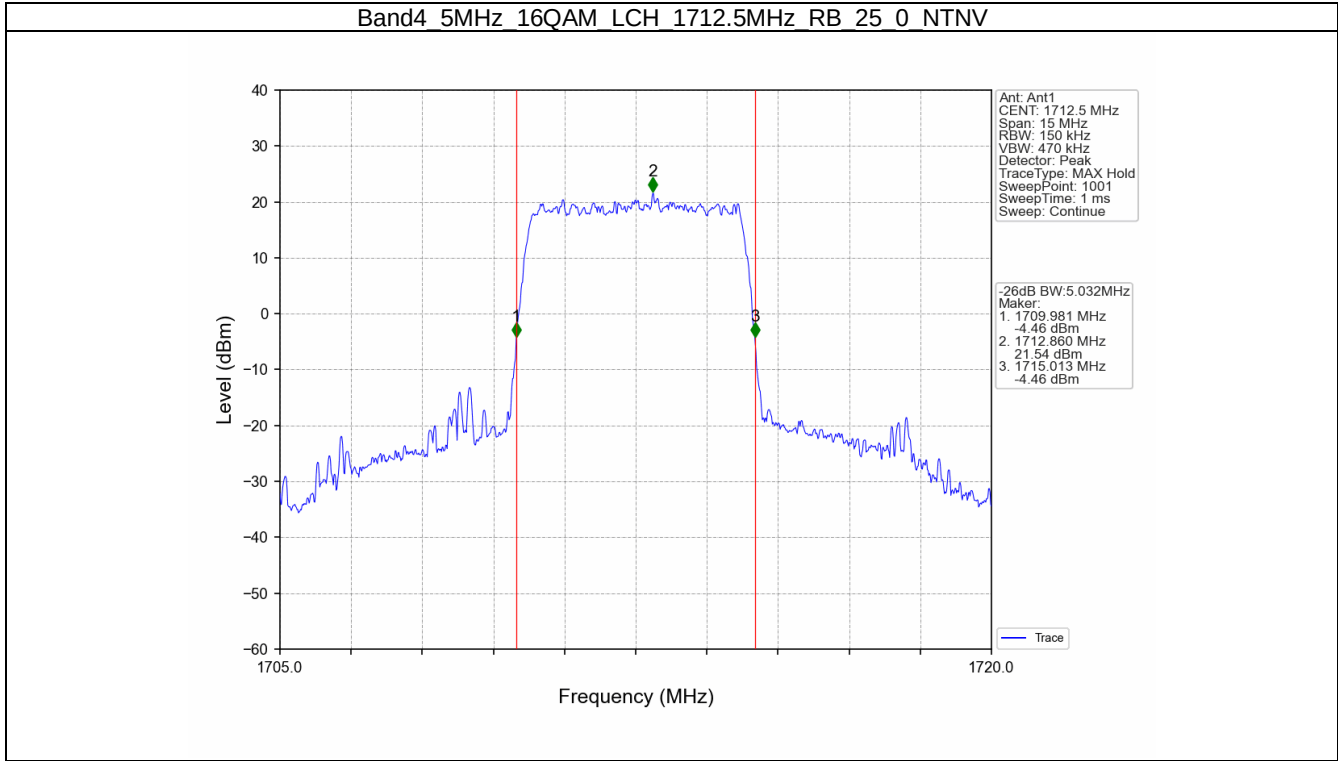




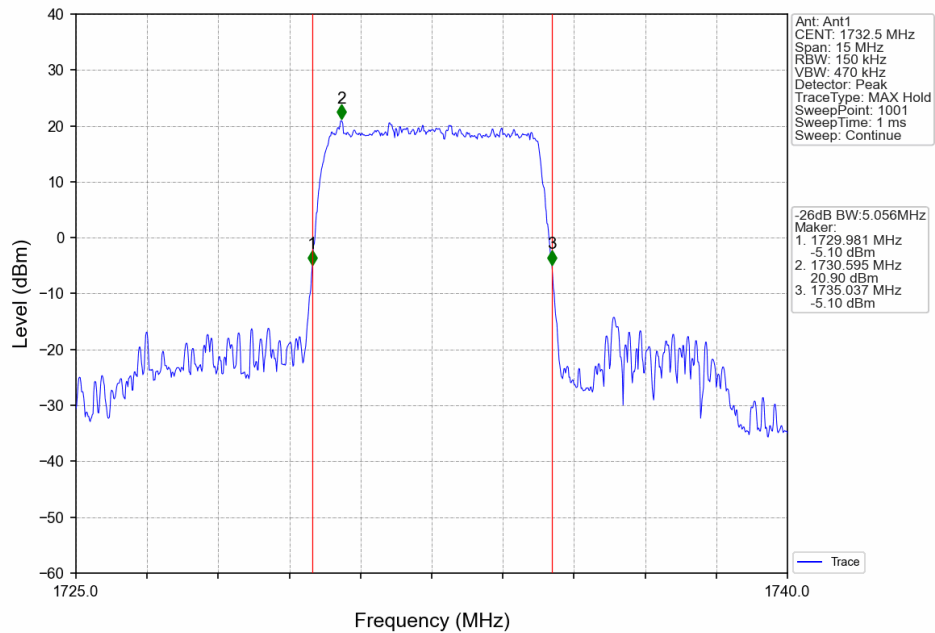
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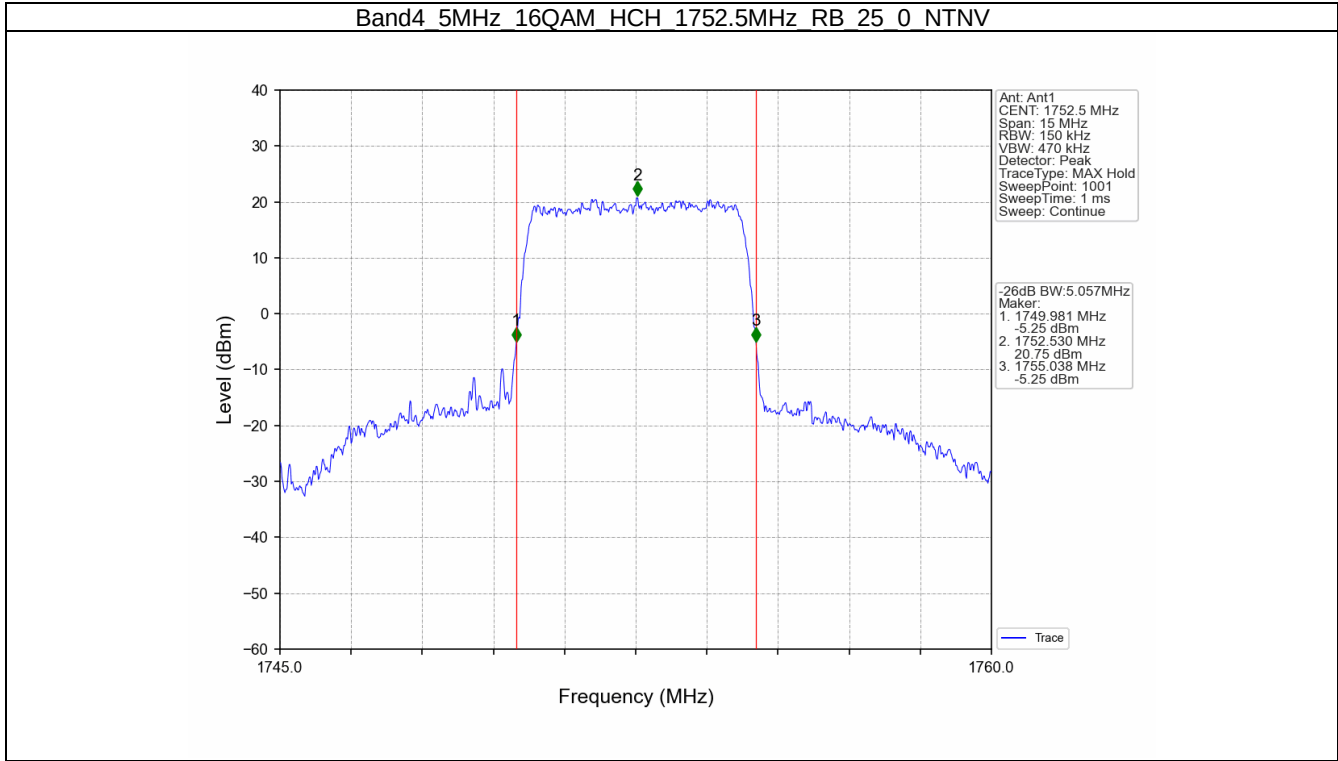
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



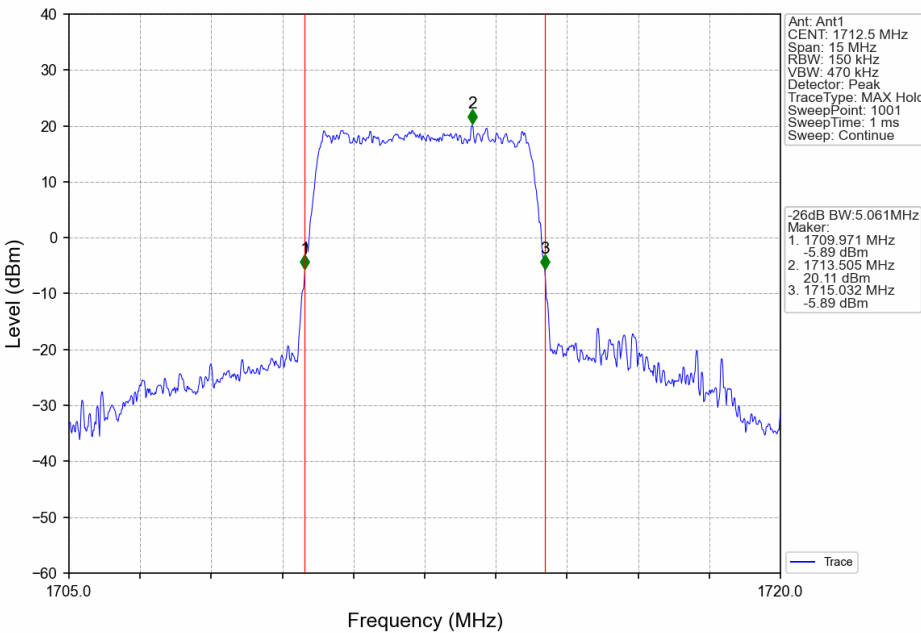


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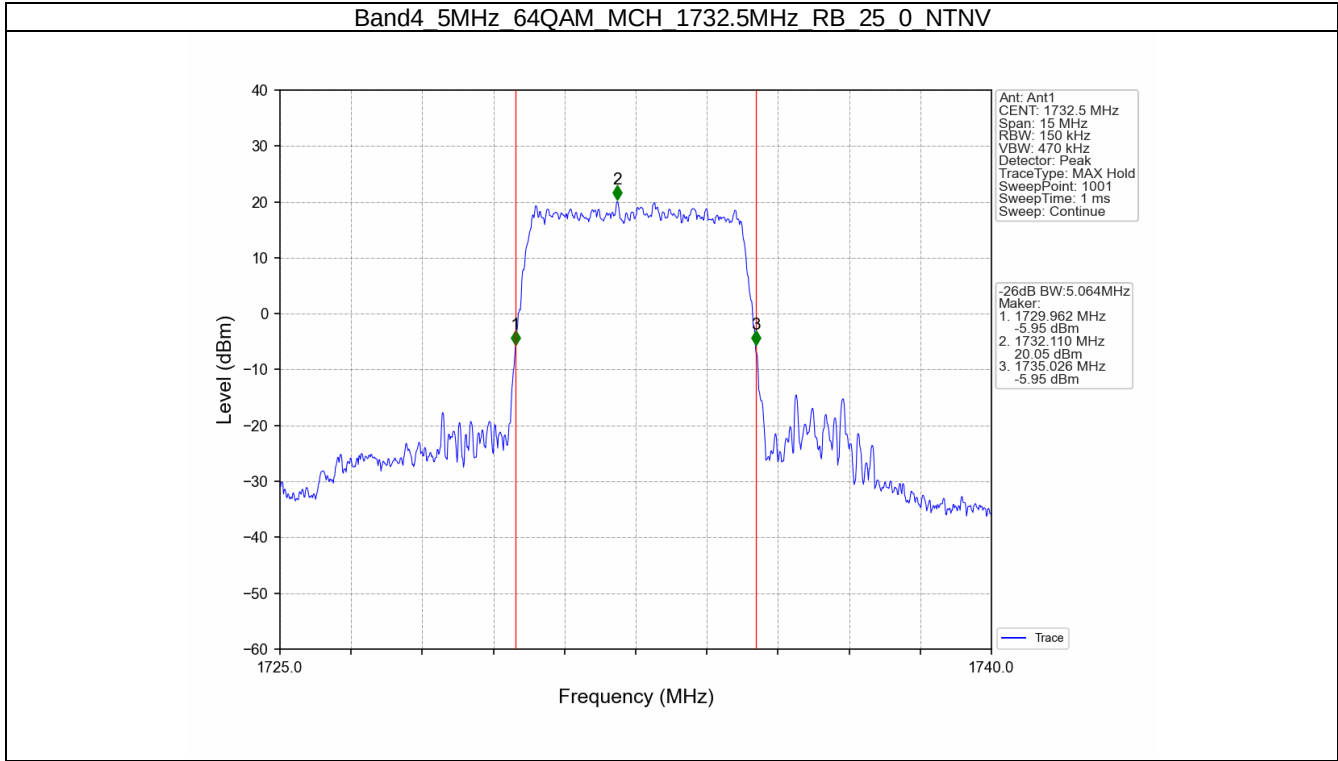
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV

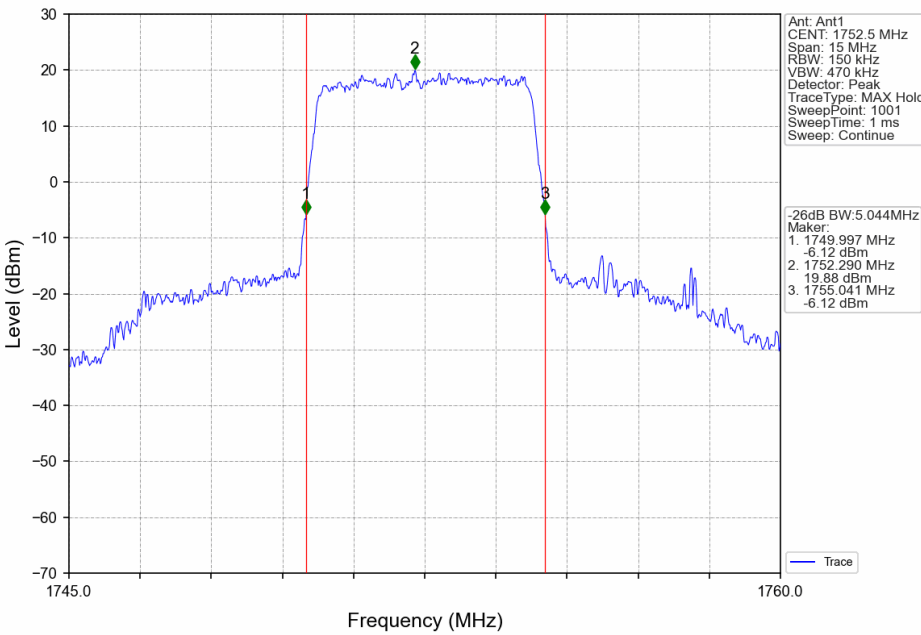




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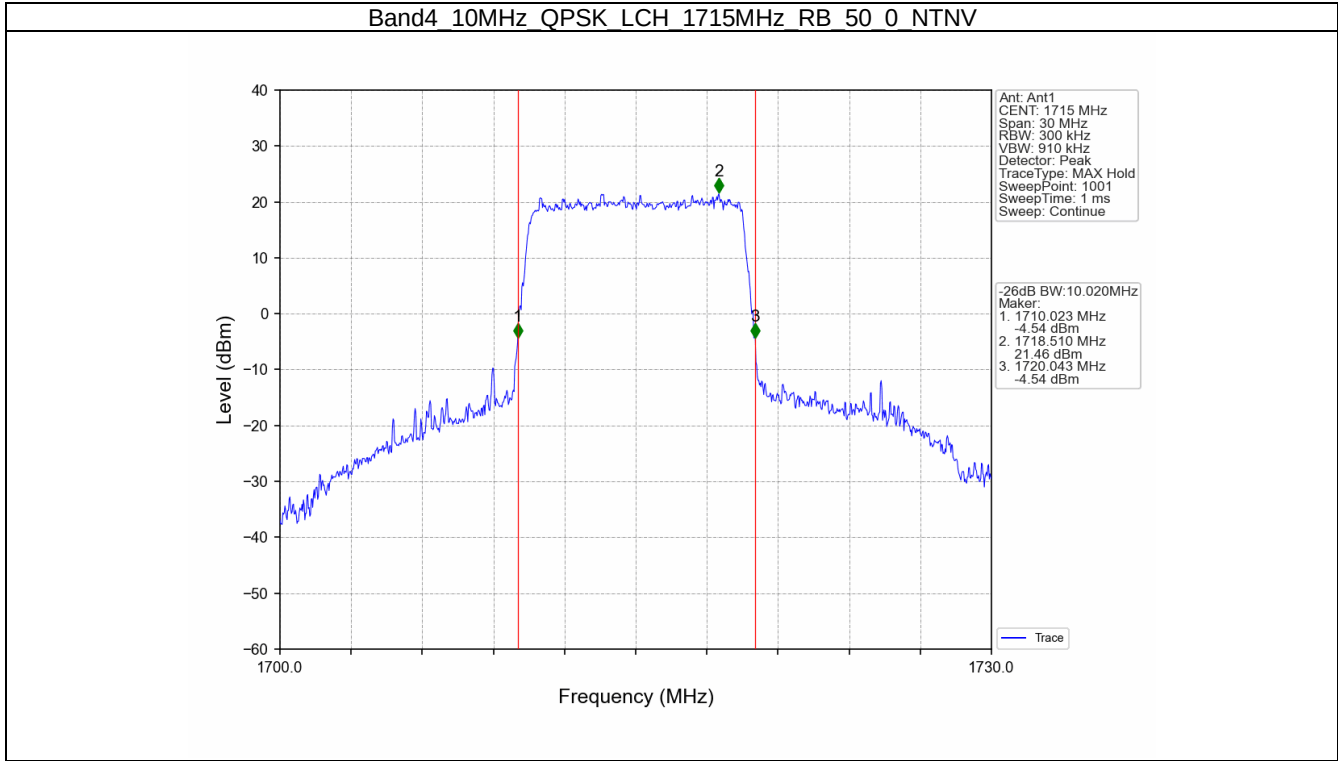




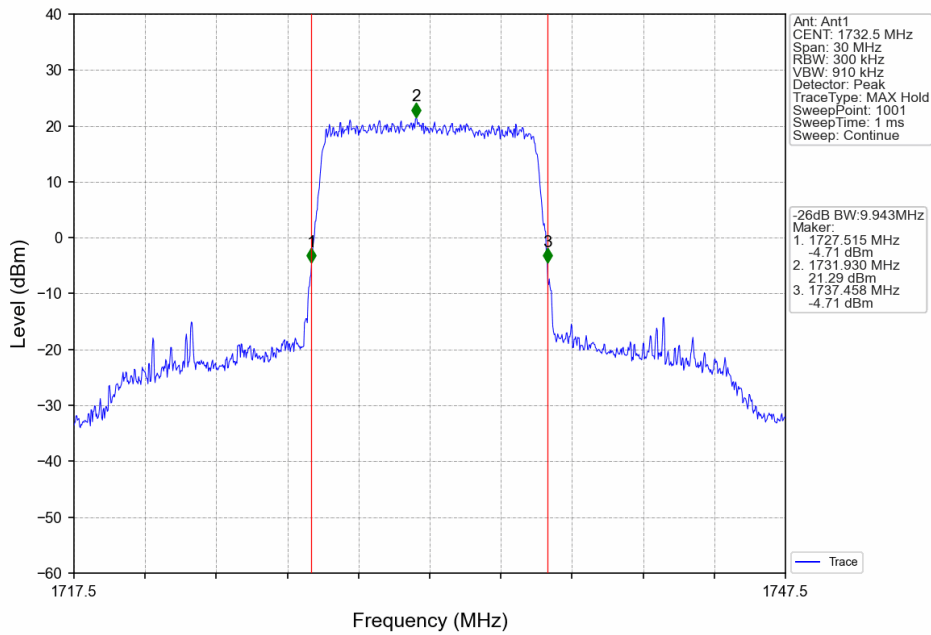


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Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

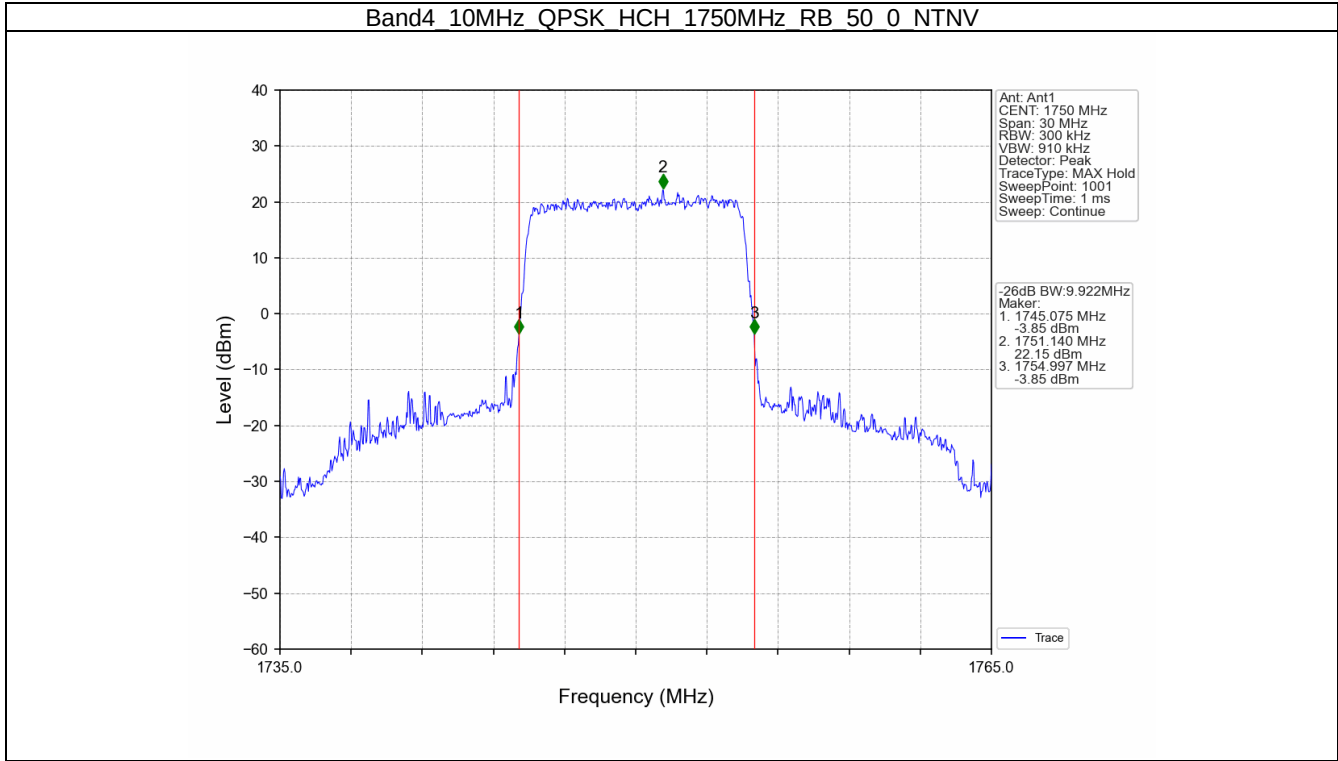




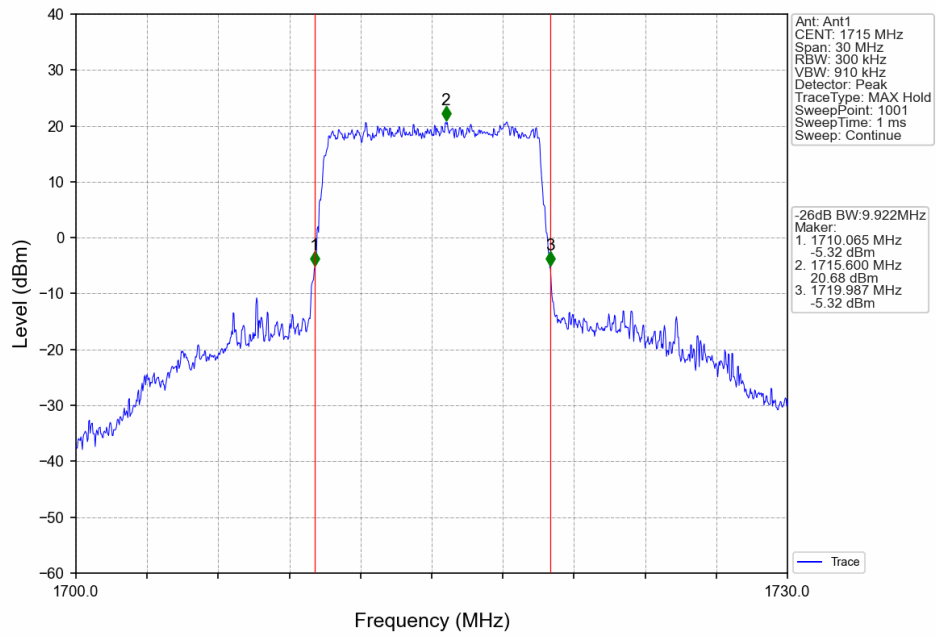
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Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

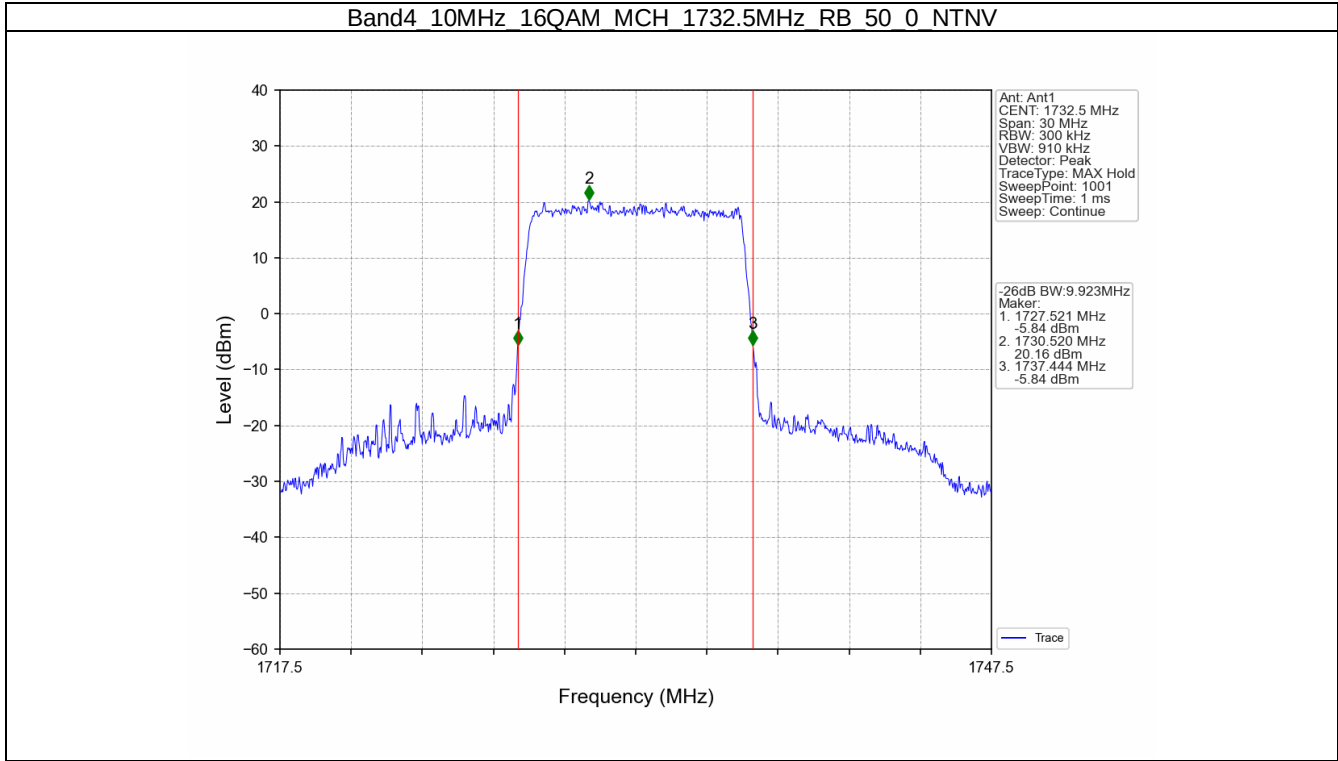




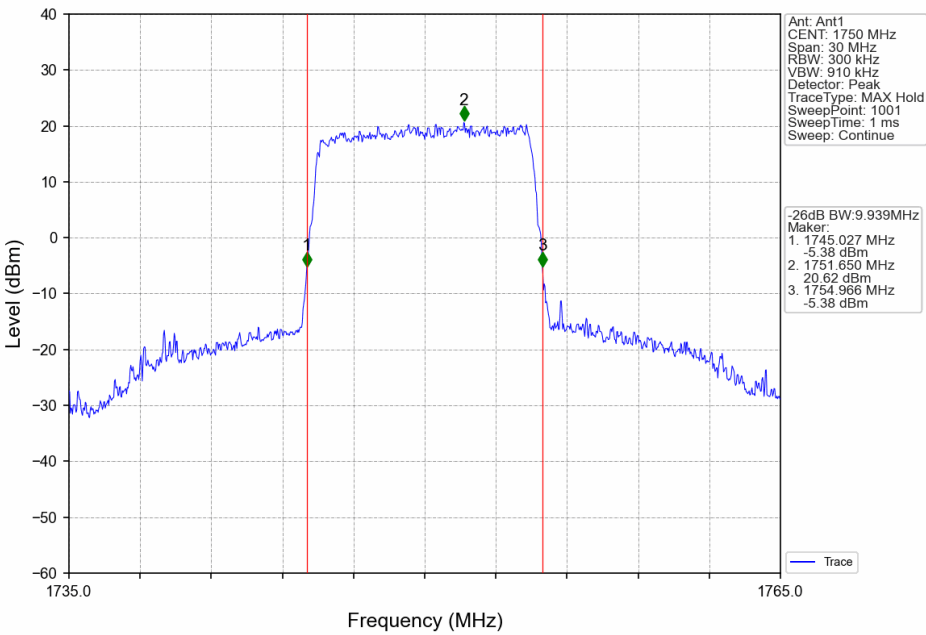
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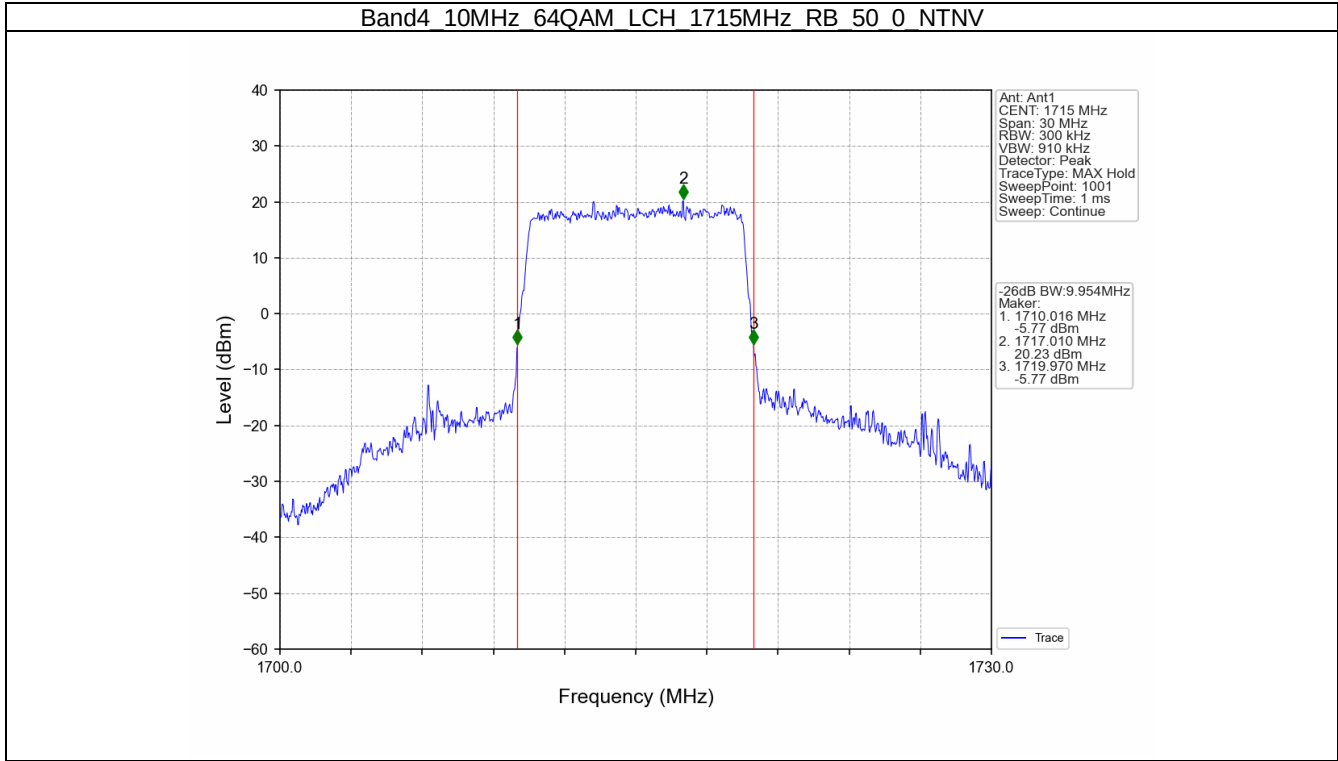
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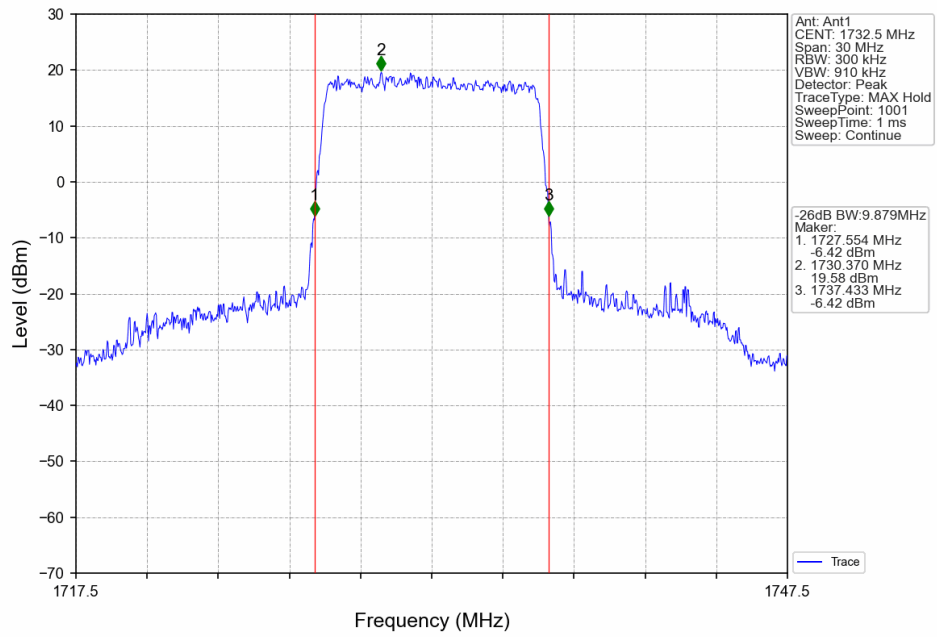


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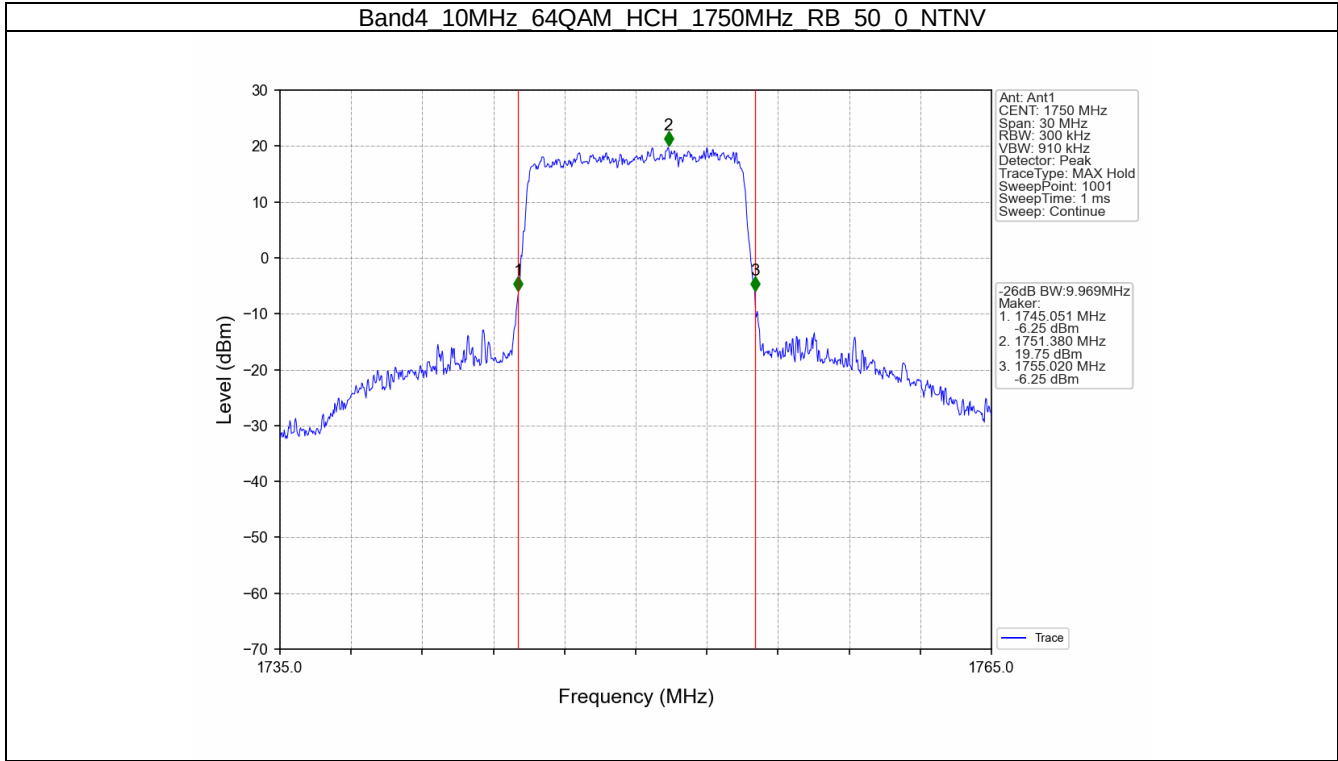
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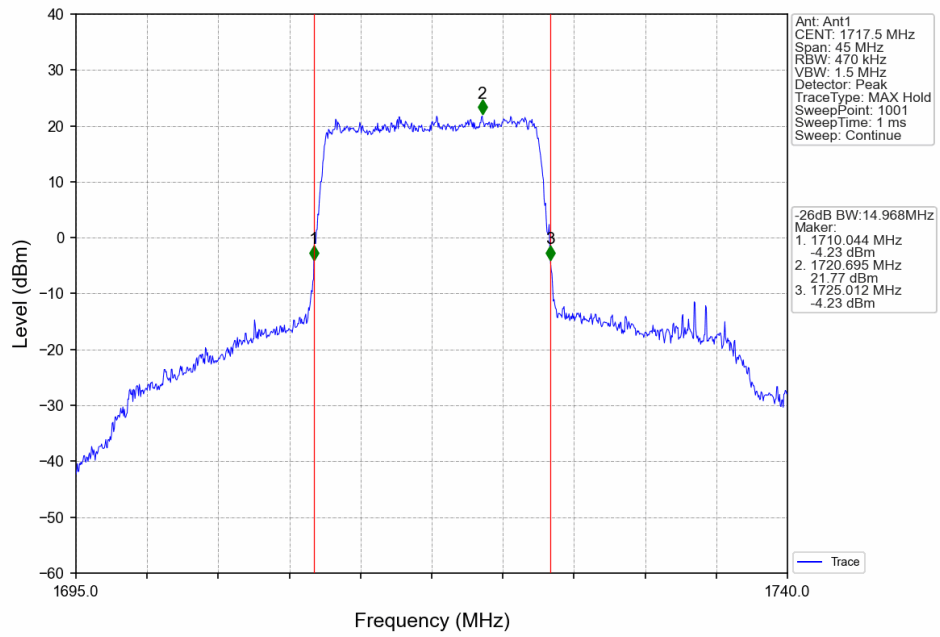


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Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

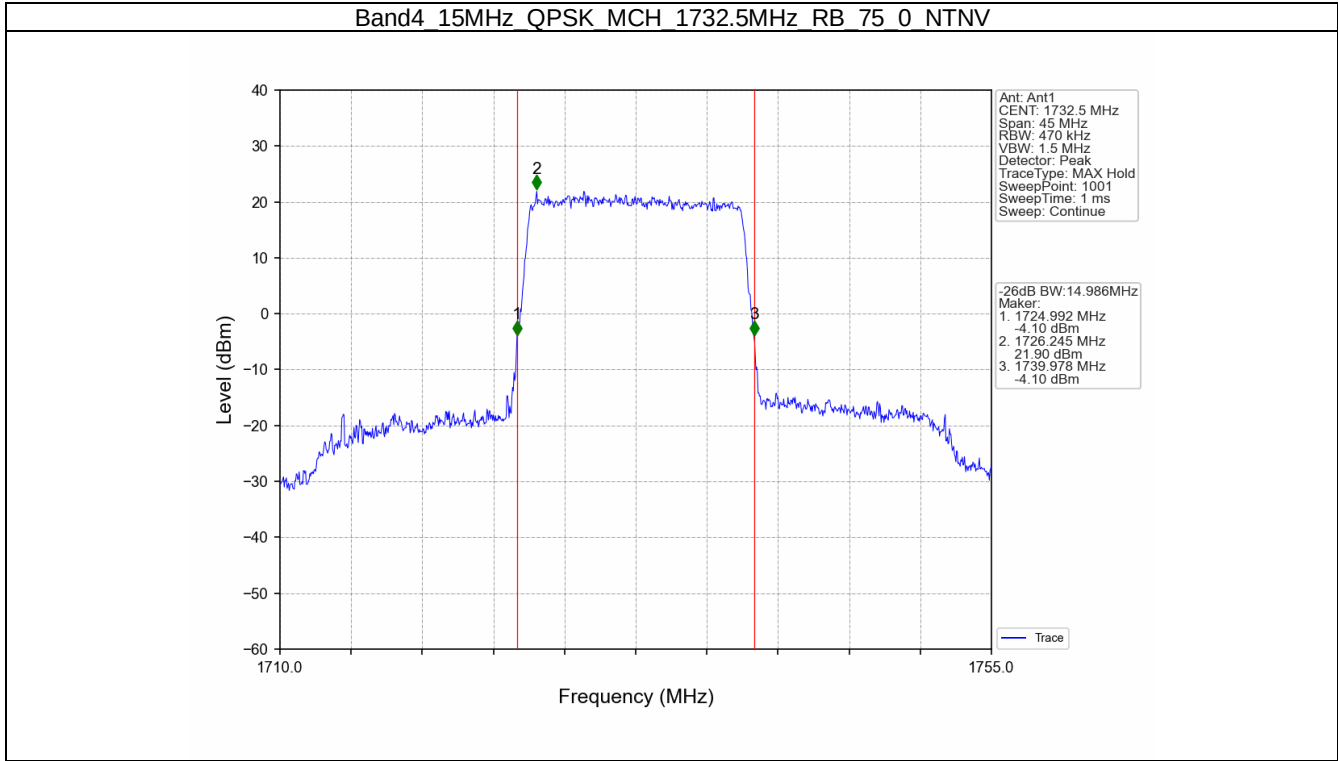




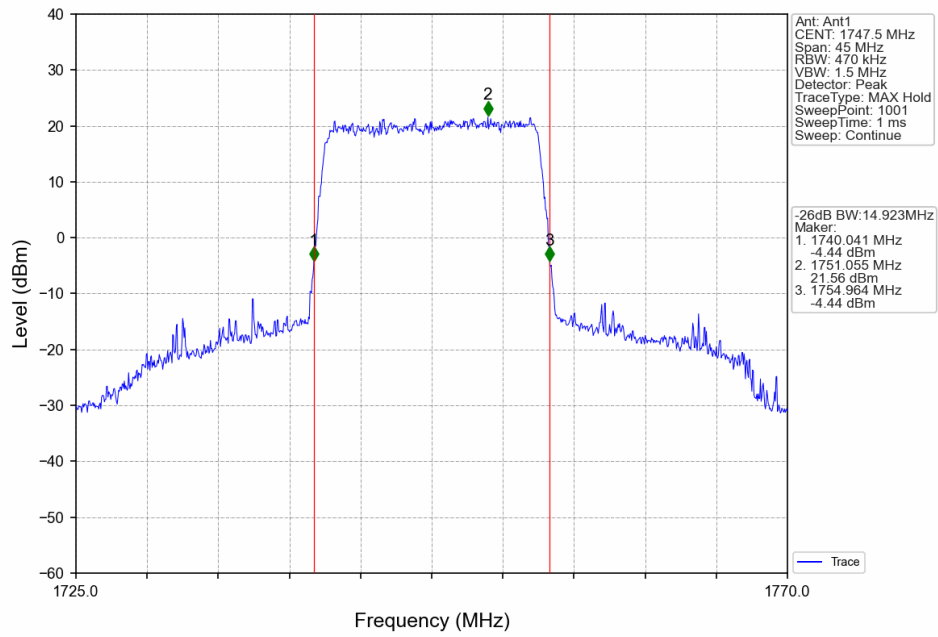
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

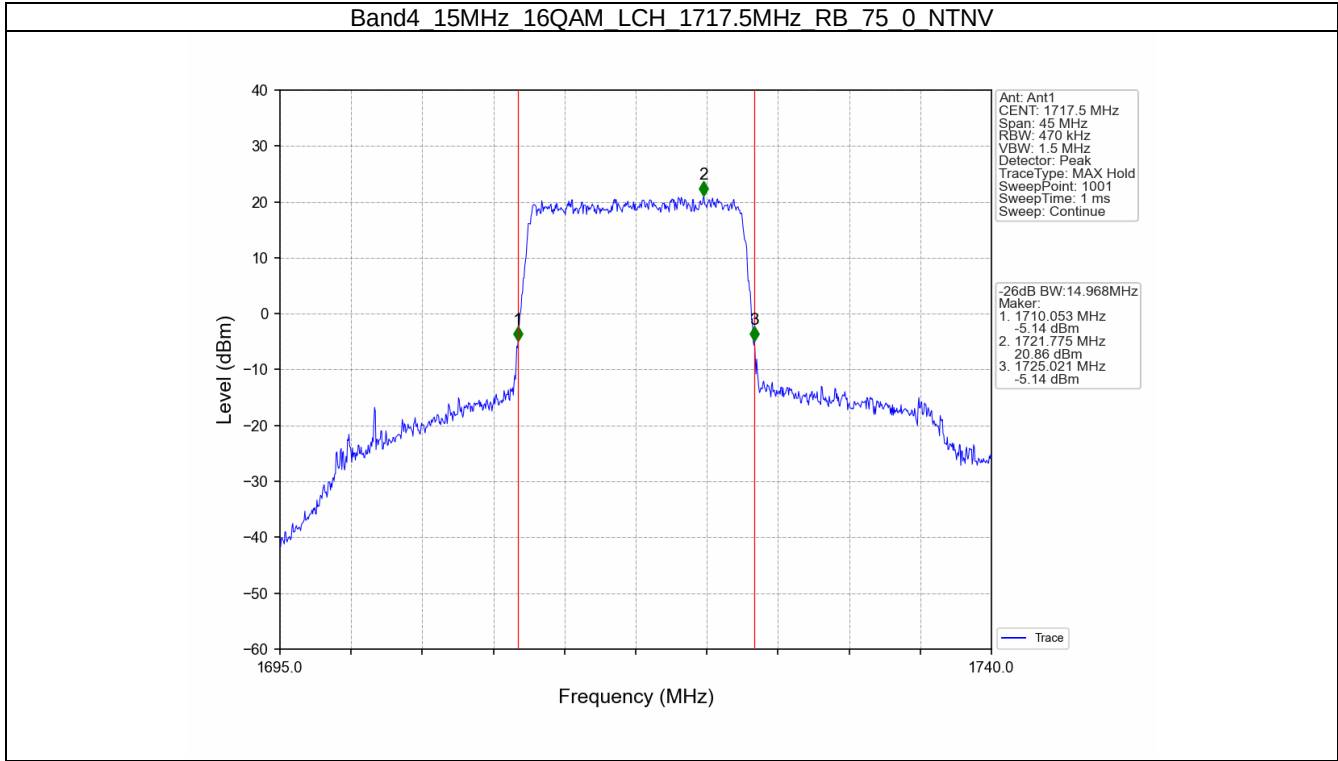




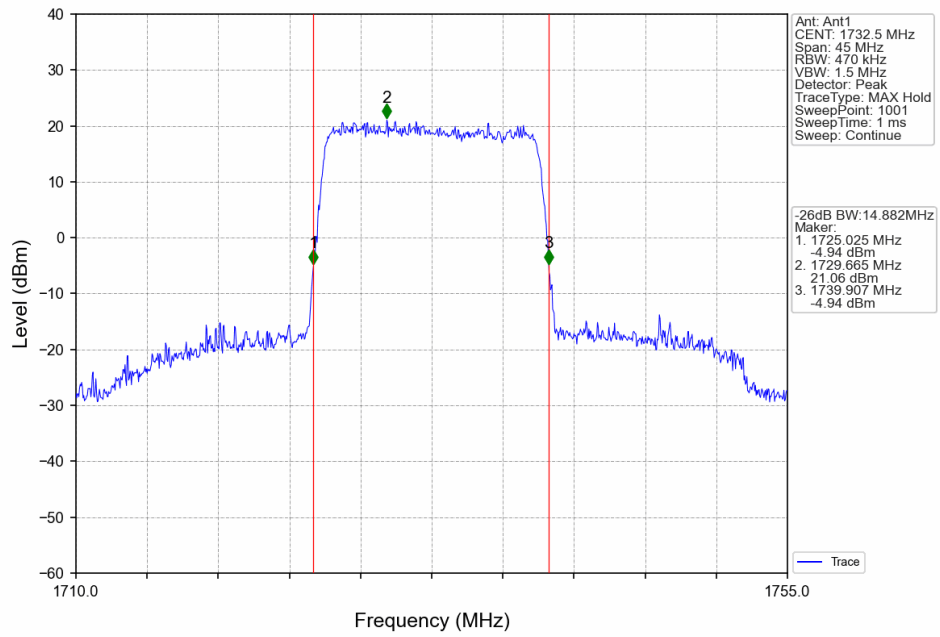
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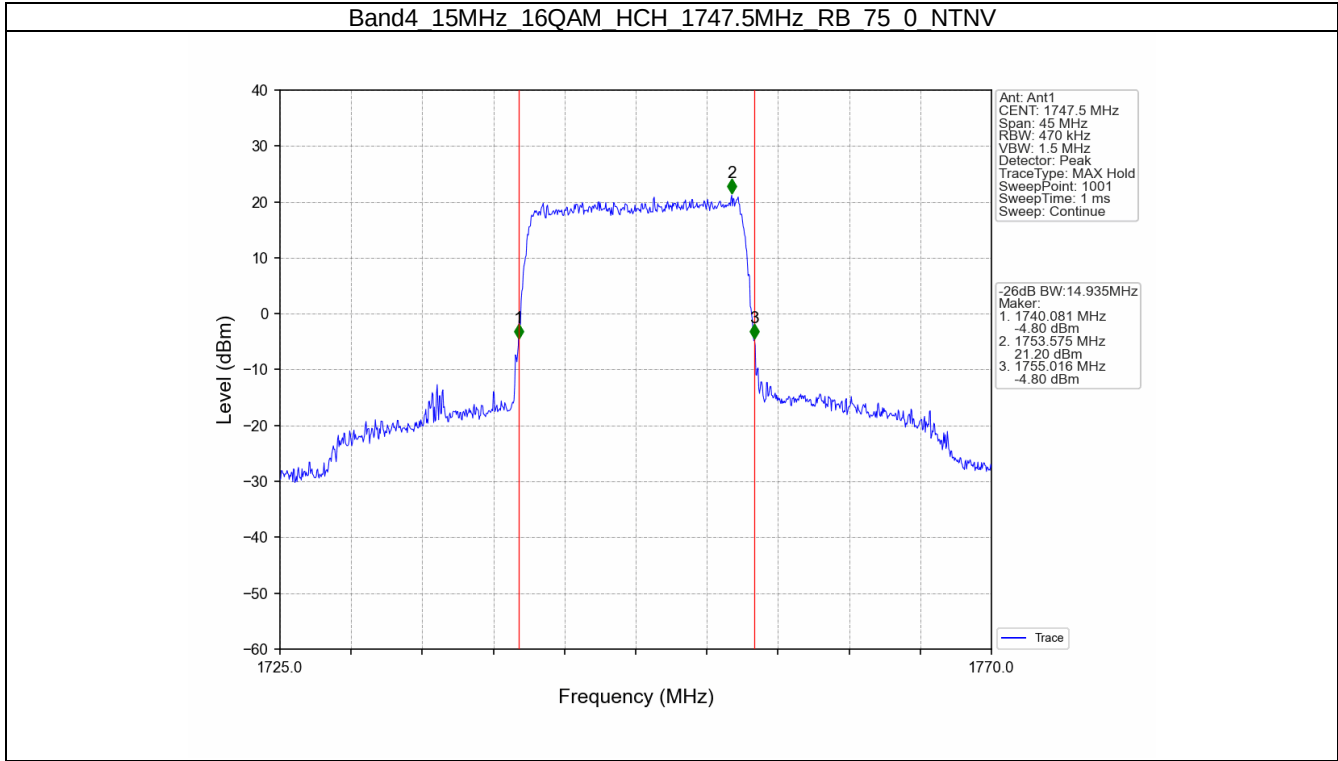
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



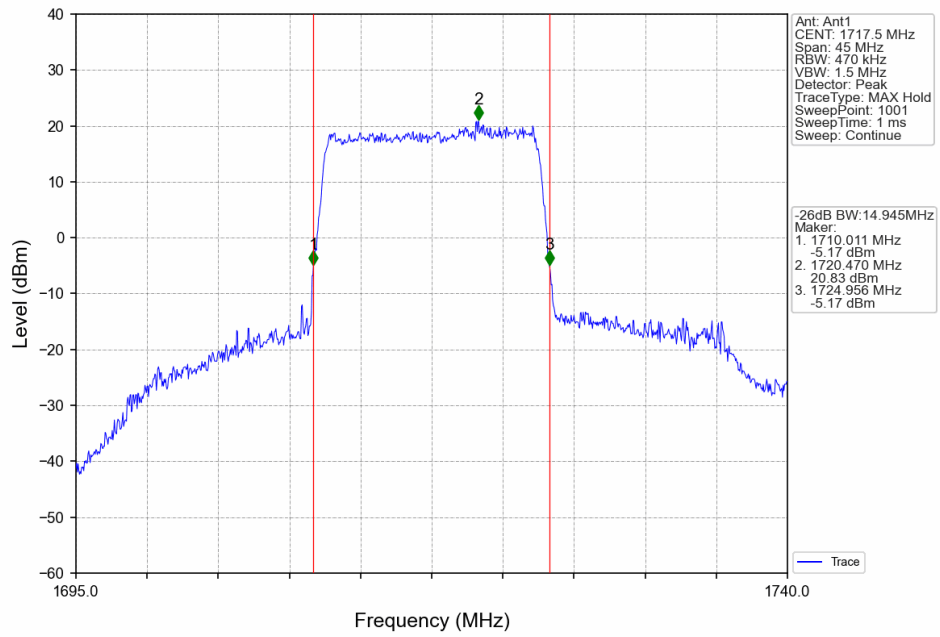


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Band4 15MHz 64QAM LCH 1717.5MHz RB 75_0 NTNV

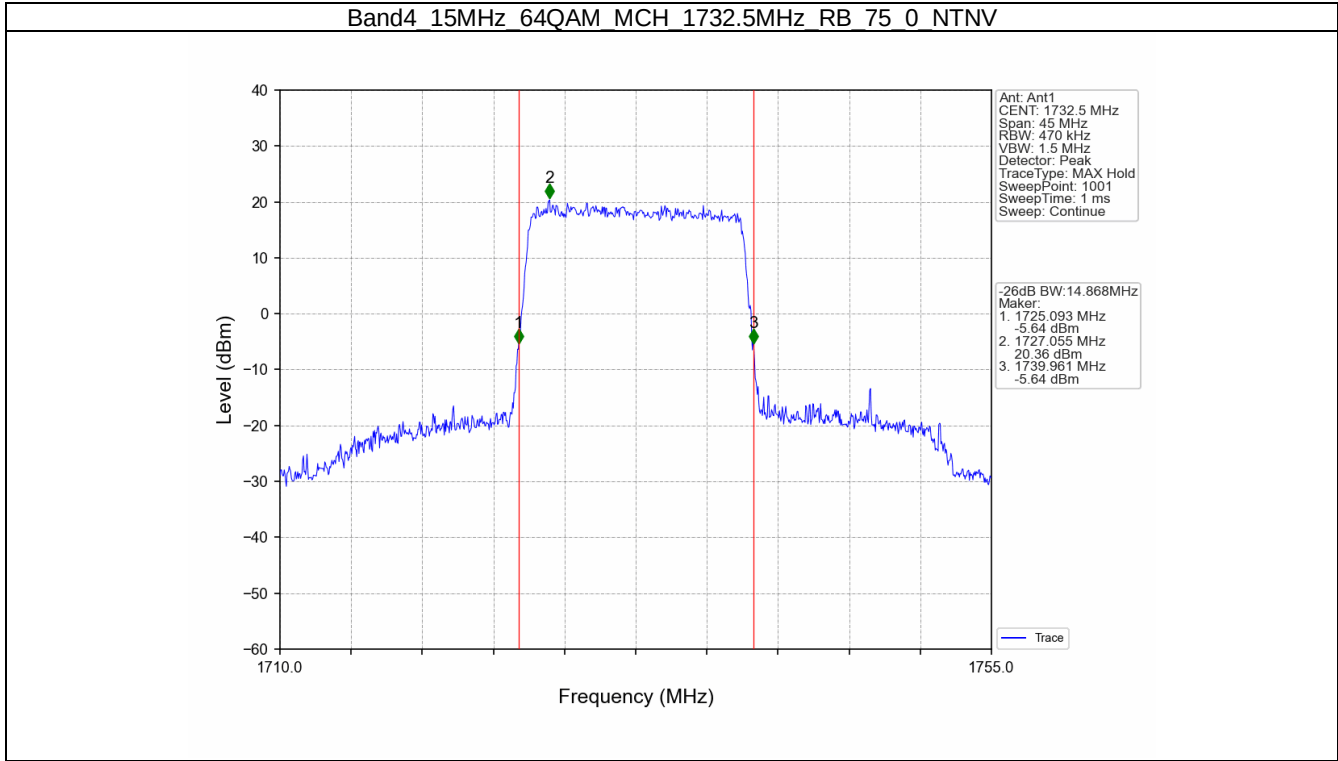




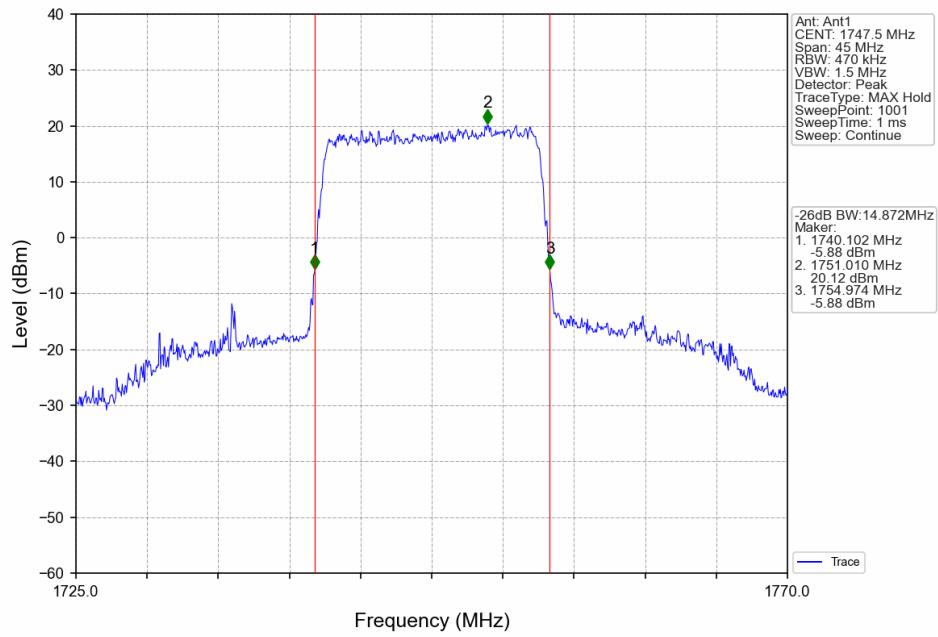
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Band4 15MHz 64QAM HCH 1747.5MHz RB 75_0 NTN

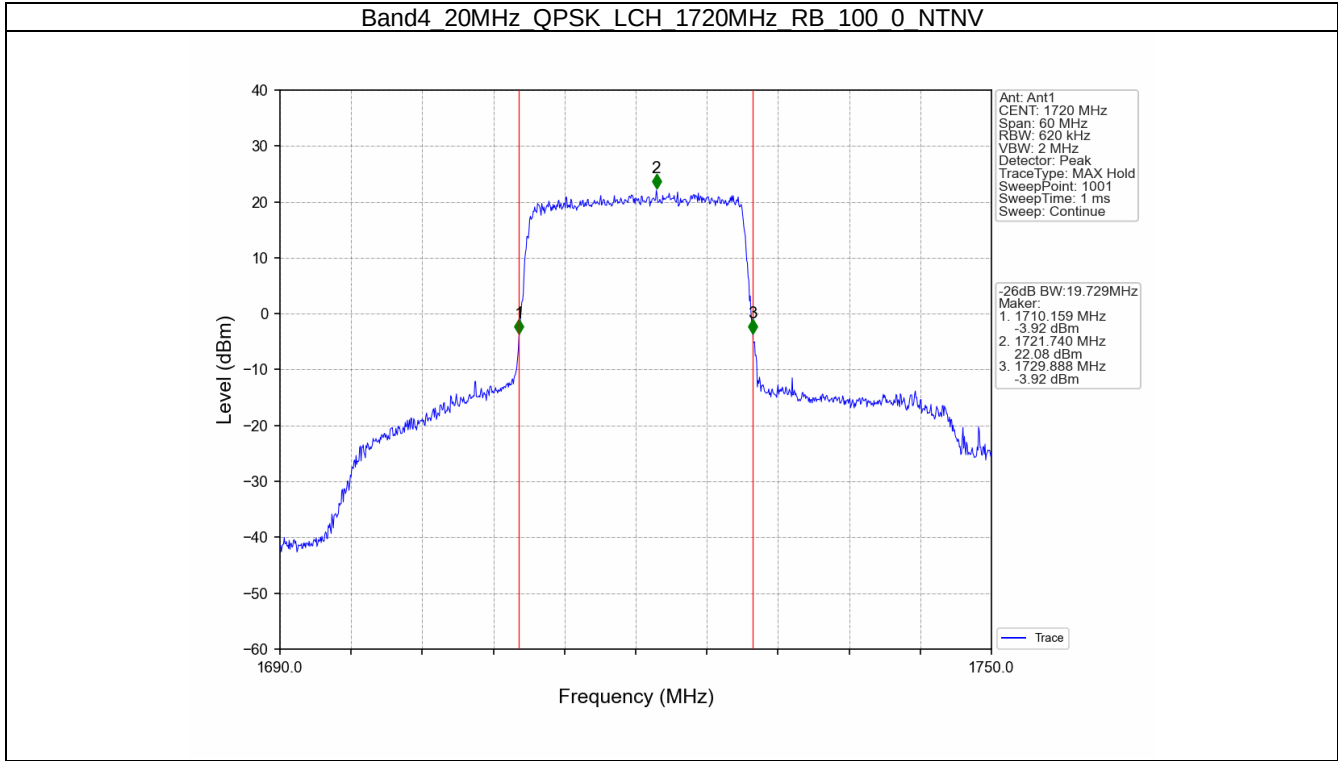




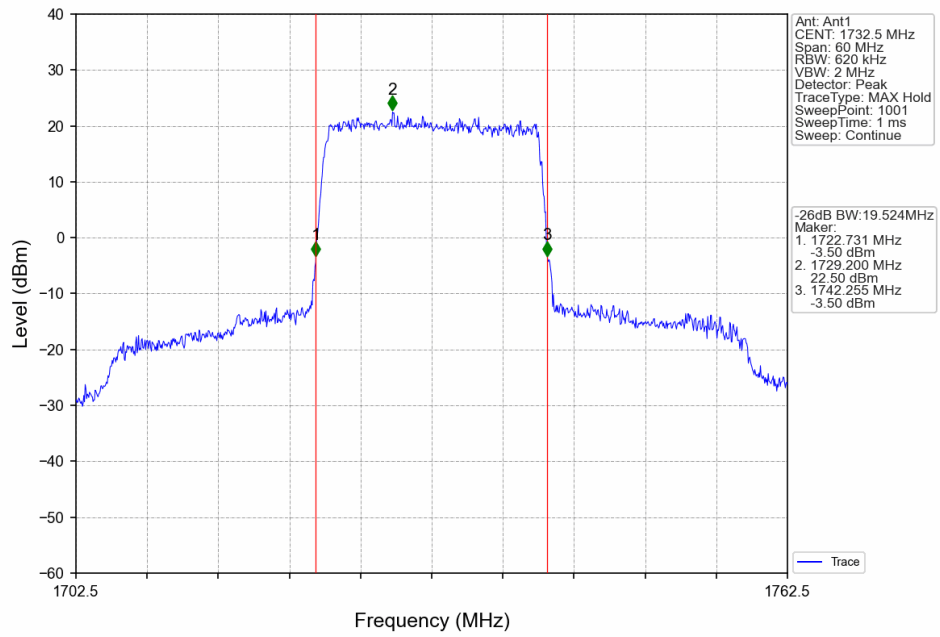
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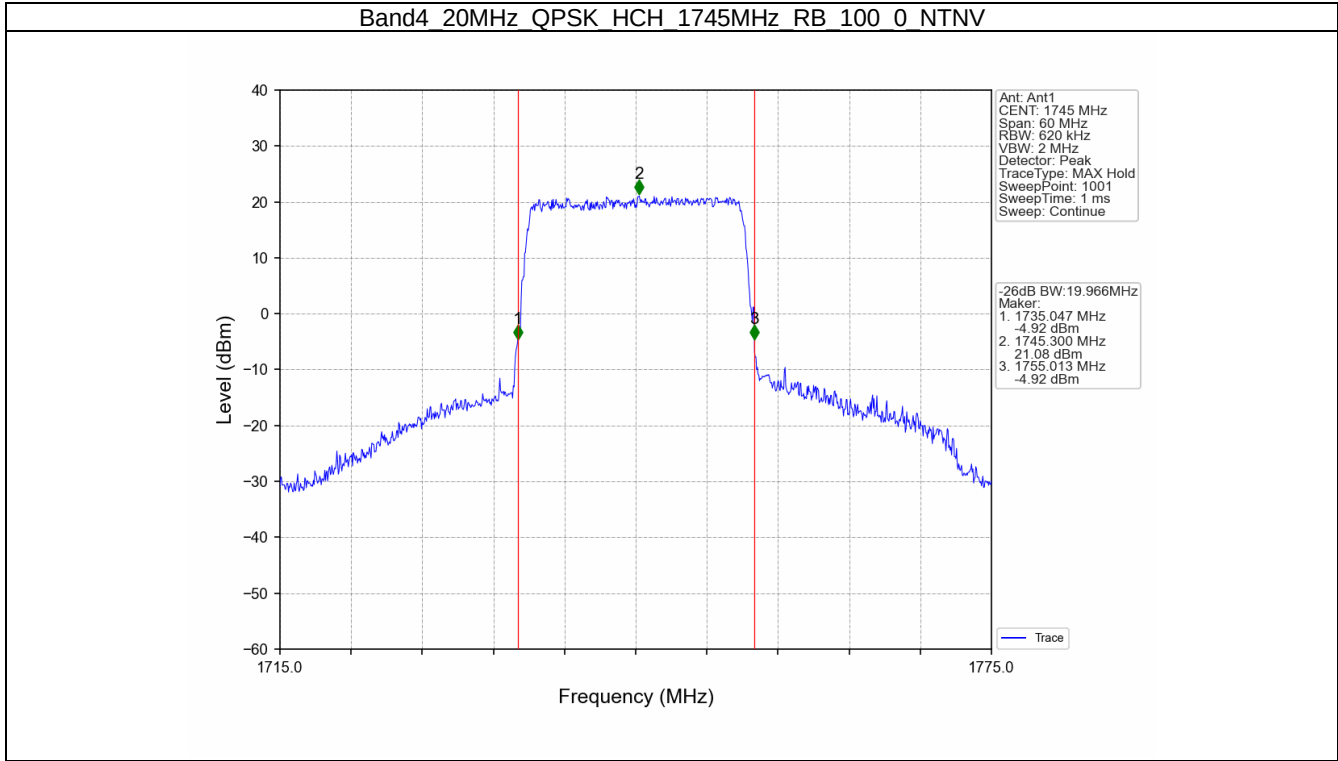
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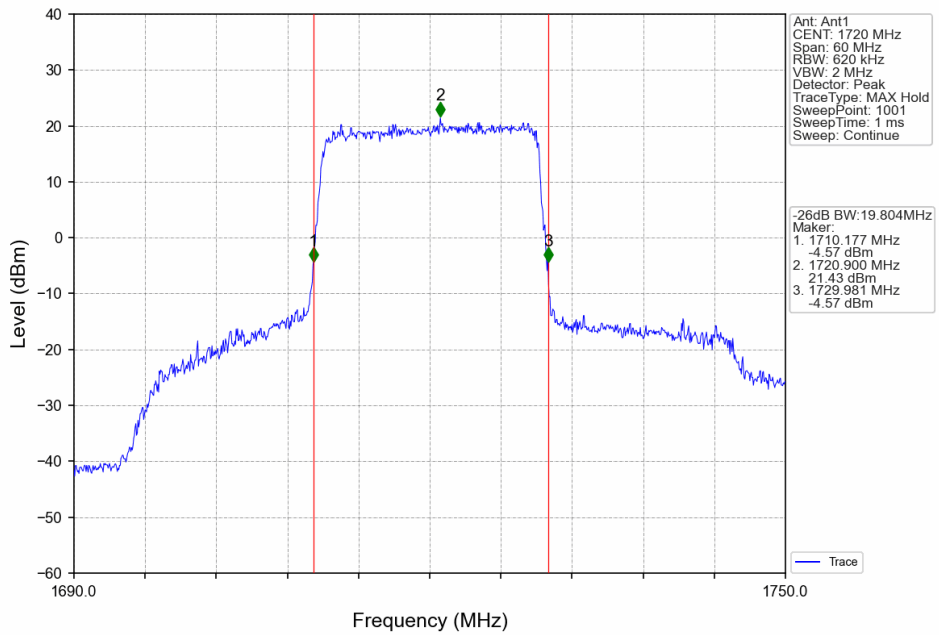


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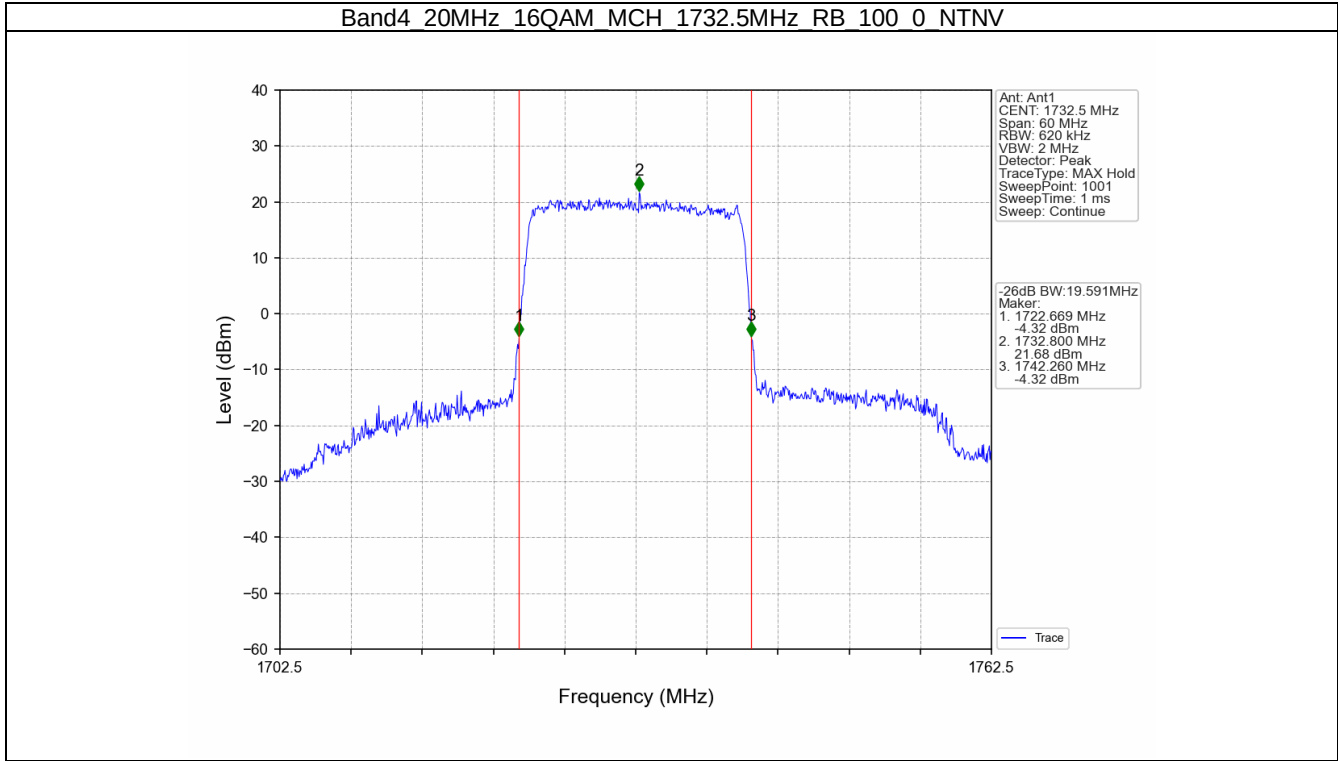
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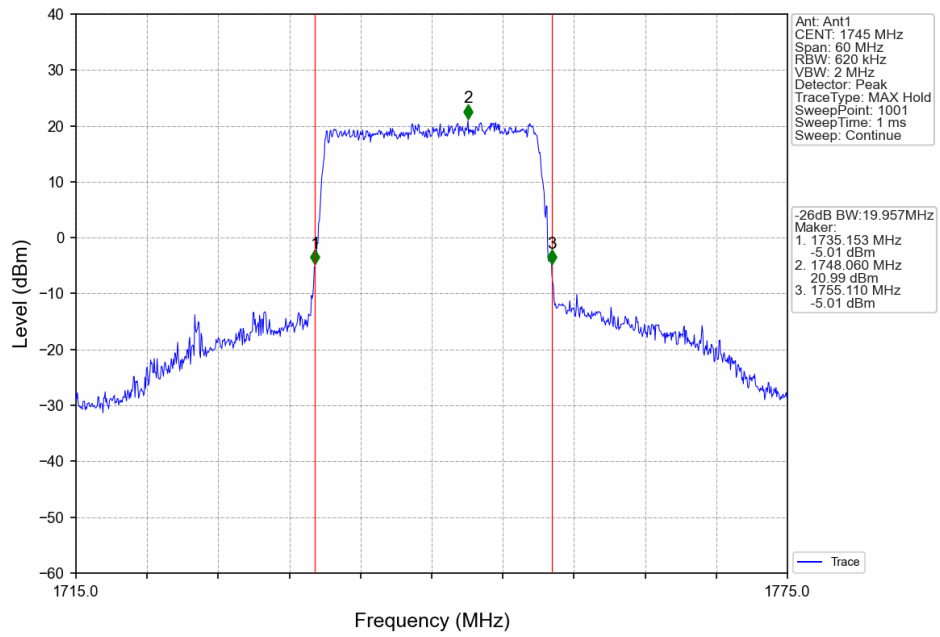


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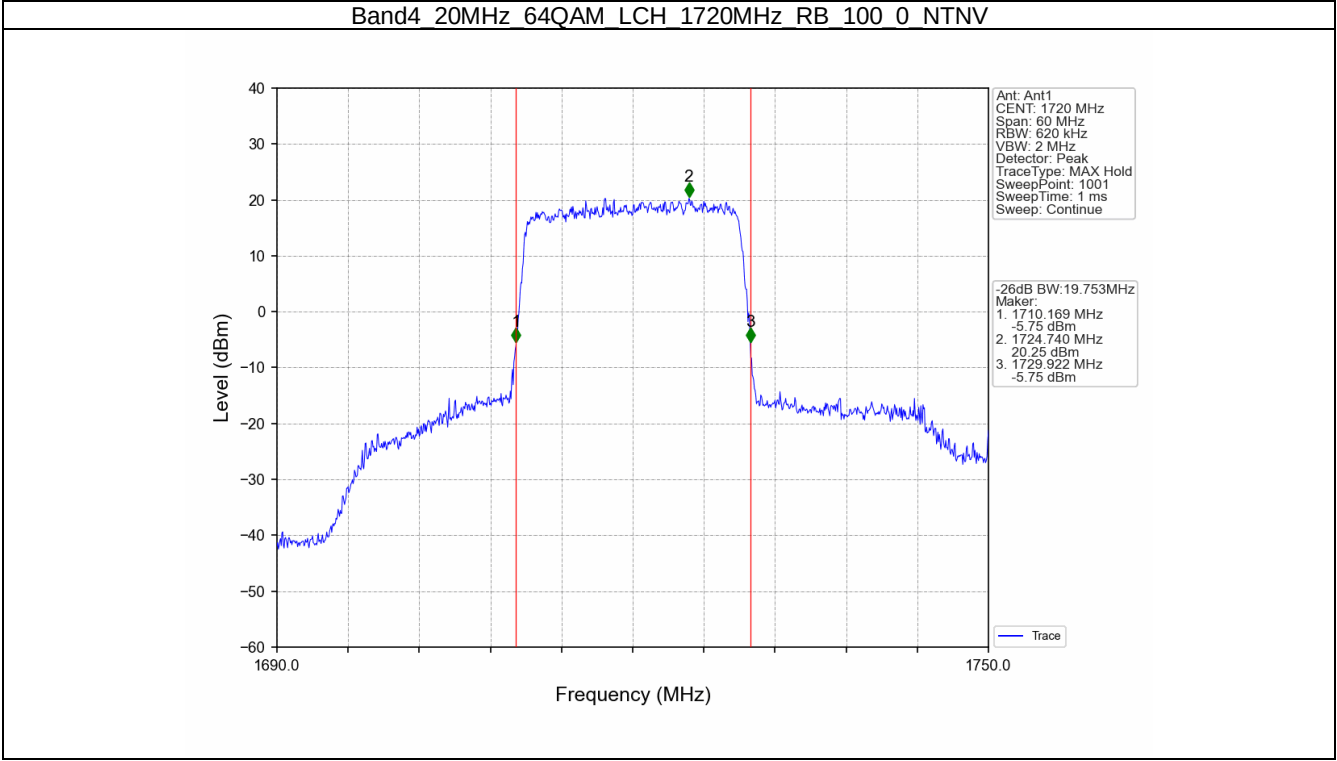
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



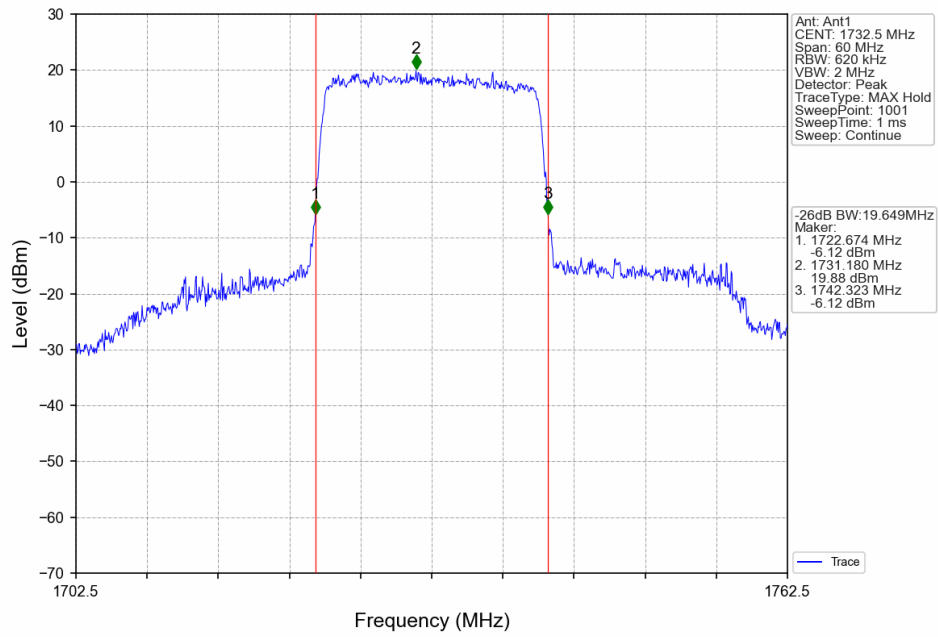


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Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV

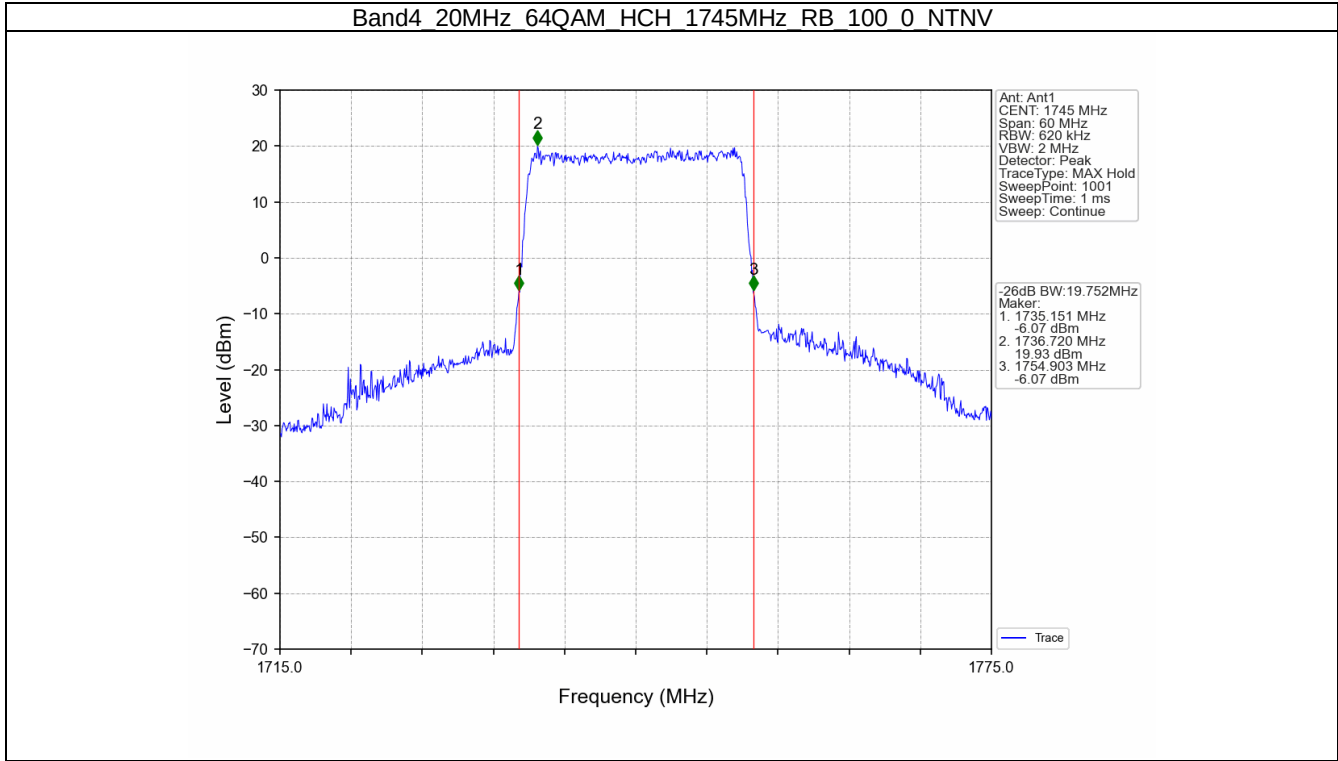




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3. Peak-Average Ratio

3.1 B4_1.4MHz

3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.32	<=13	Pass
	1732.5	6	0	5.26	<=13	Pass
	1754.3	6	0	4.45	<=13	Pass
16QAM	1710.7	6	0	6.05	<=13	Pass
	1732.5	6	0	6.13	<=13	Pass
	1754.3	6	0	5.47	<=13	Pass
64QAM	1710.7	6	0	6.61	<=13	Pass
	1732.5	6	0	6.37	<=13	Pass
	1754.3	6	0	6.77	<=13	Pass

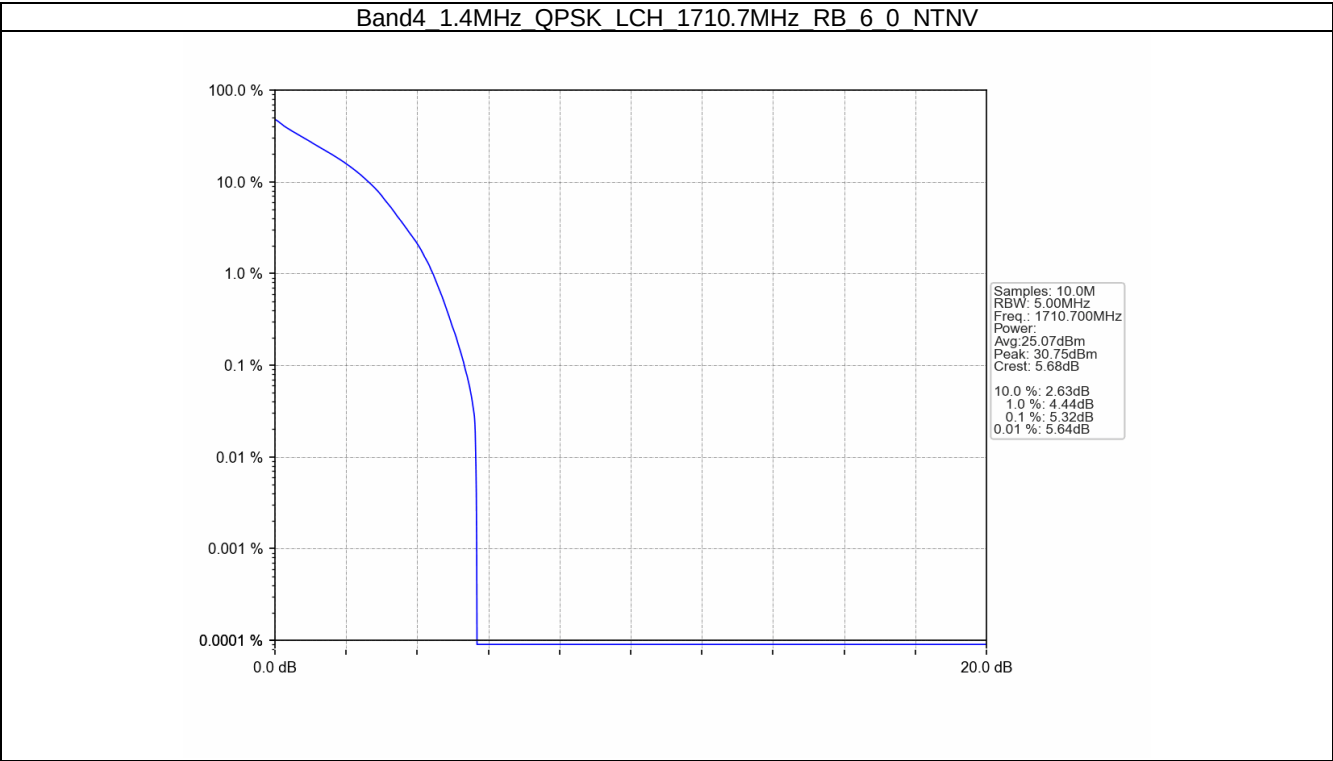


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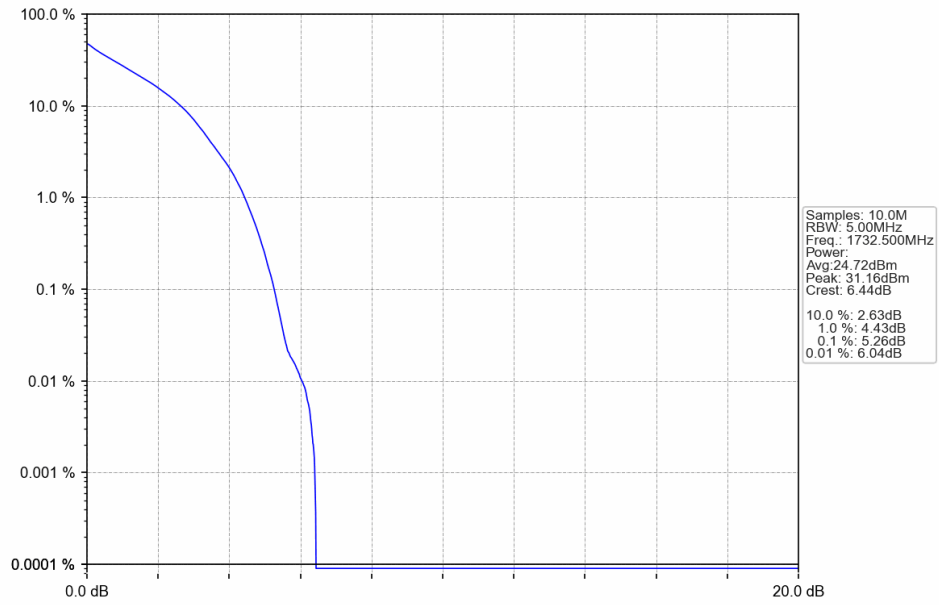
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3.1.2 Test Graph



Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

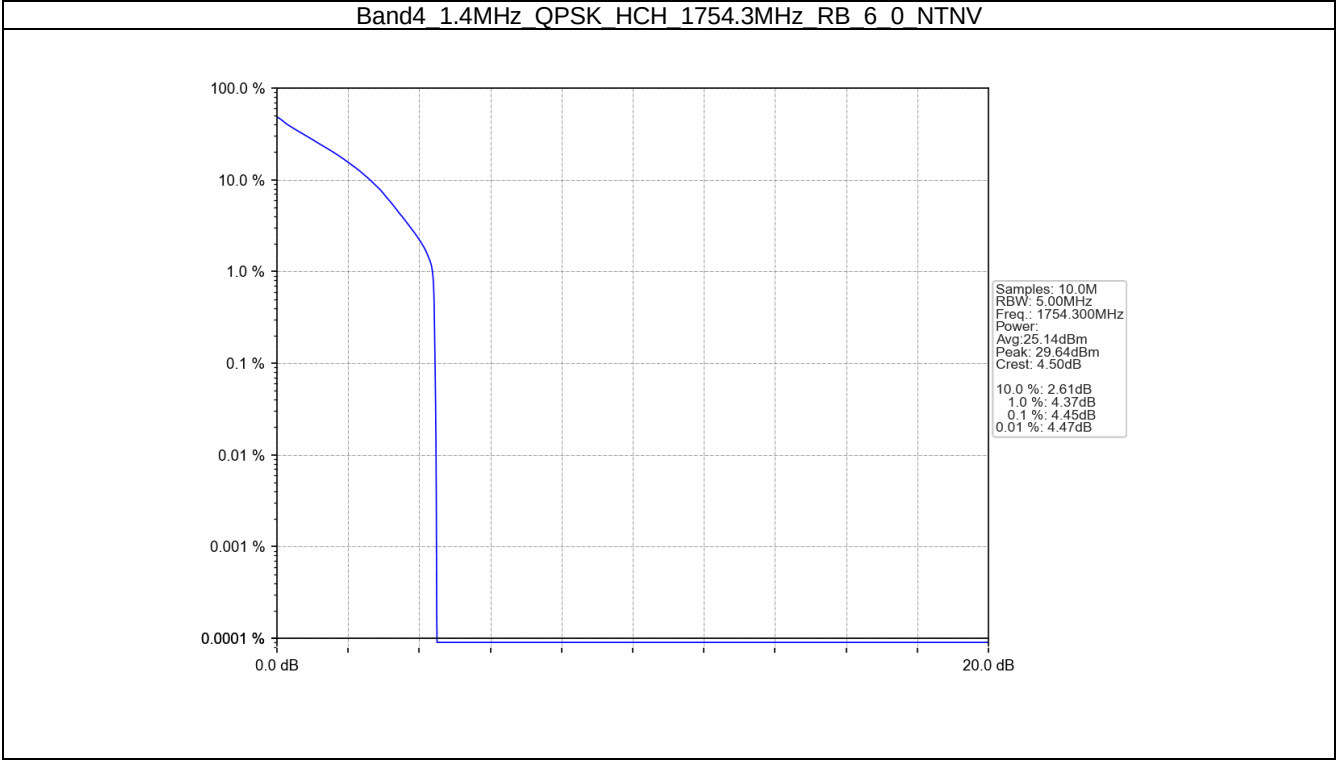




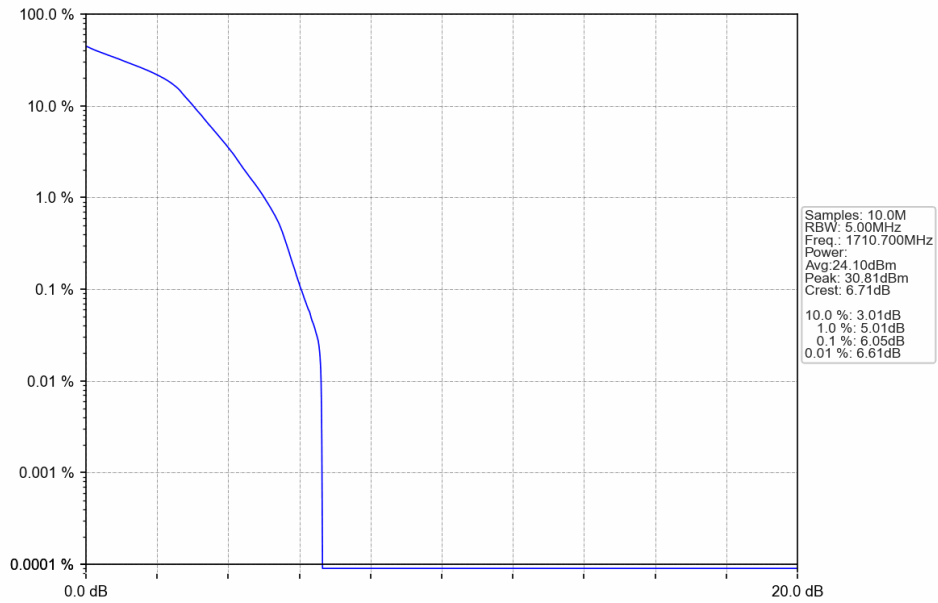
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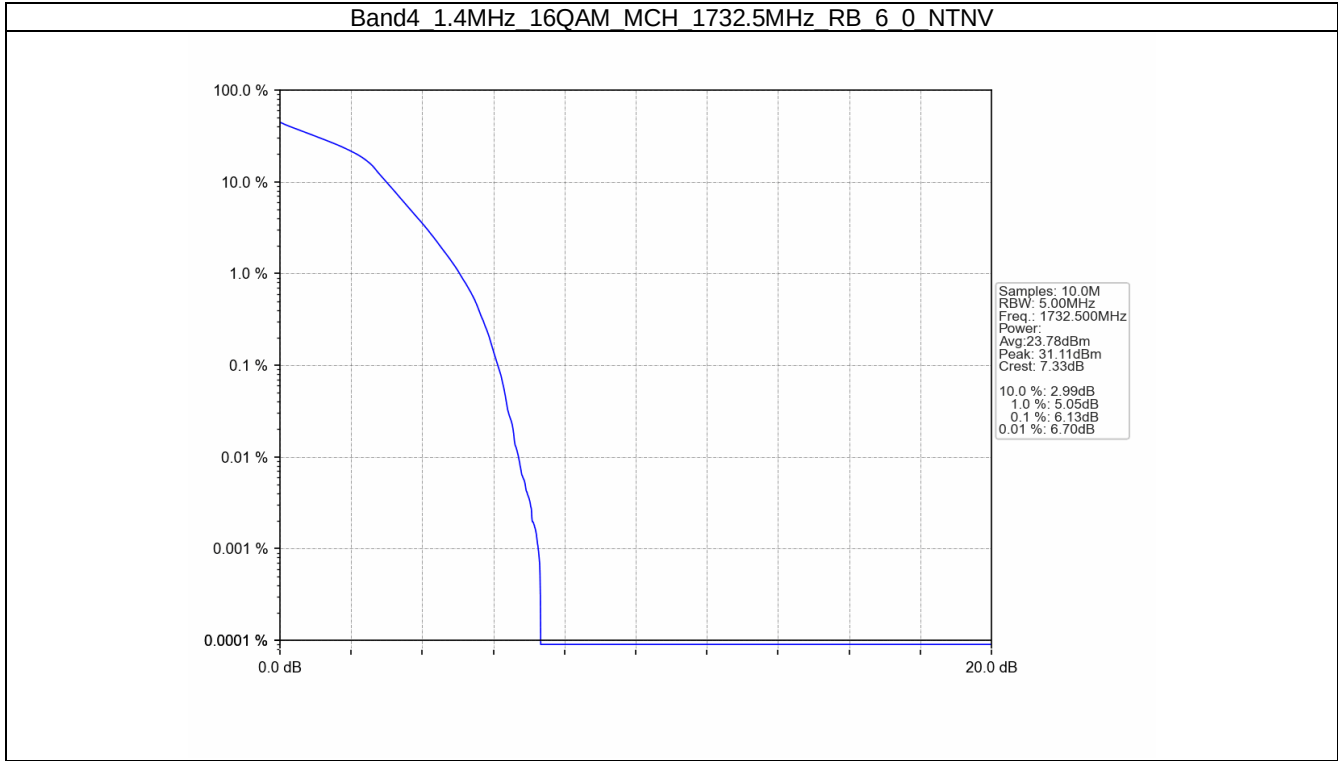
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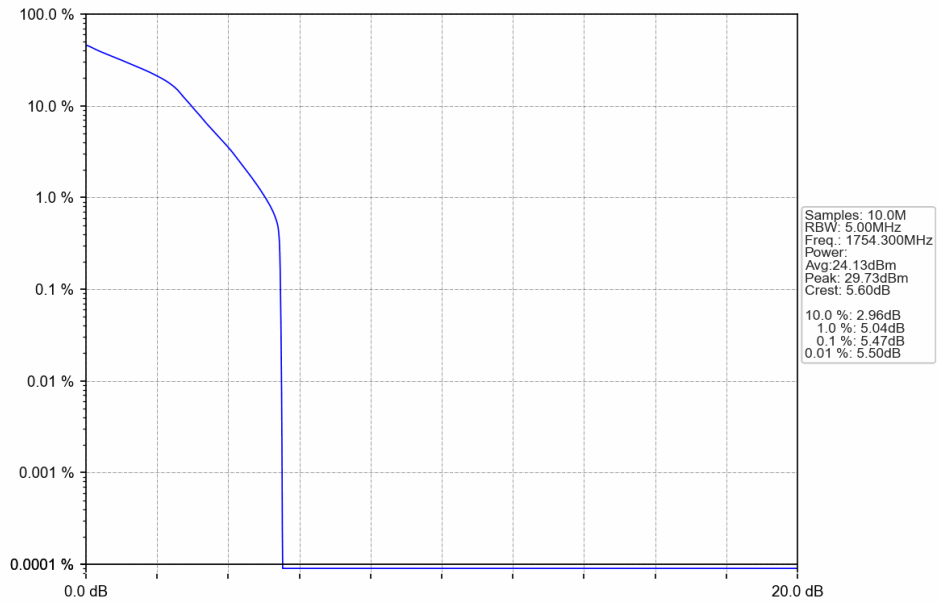


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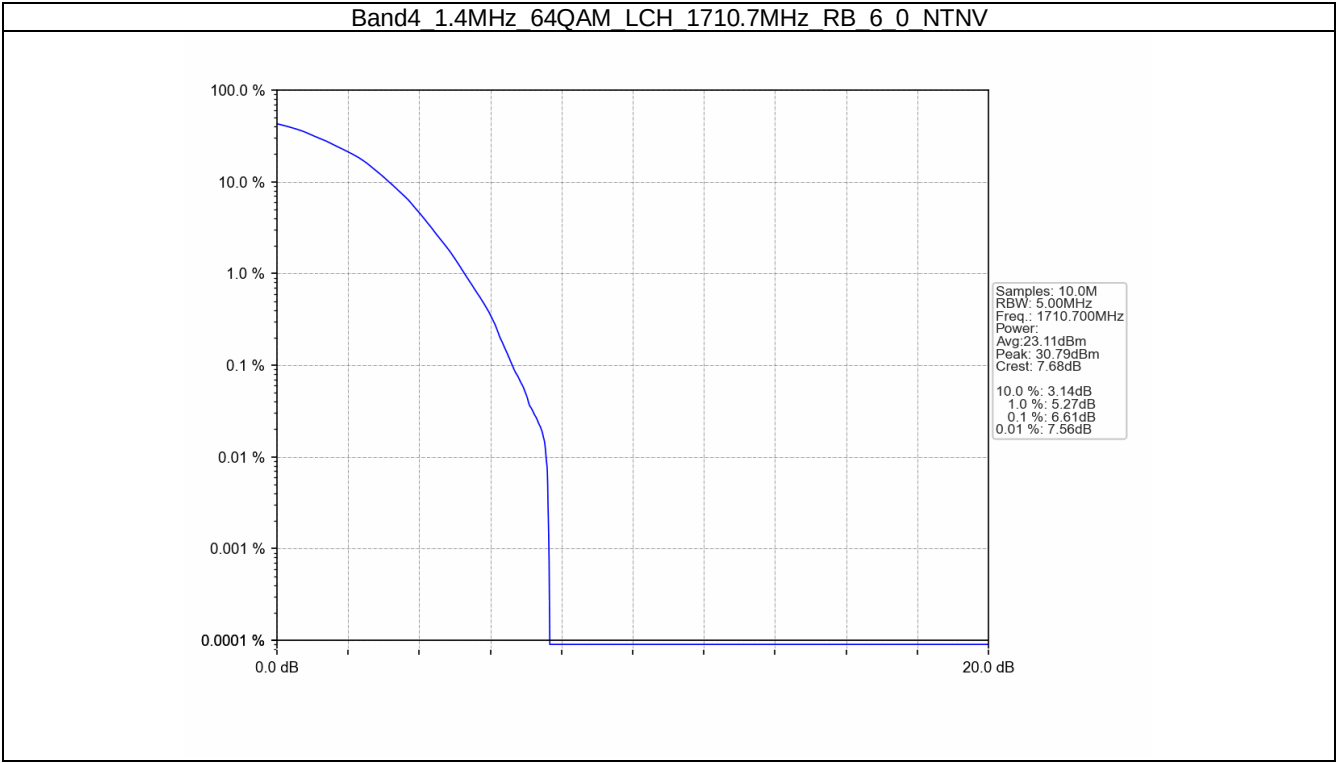
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



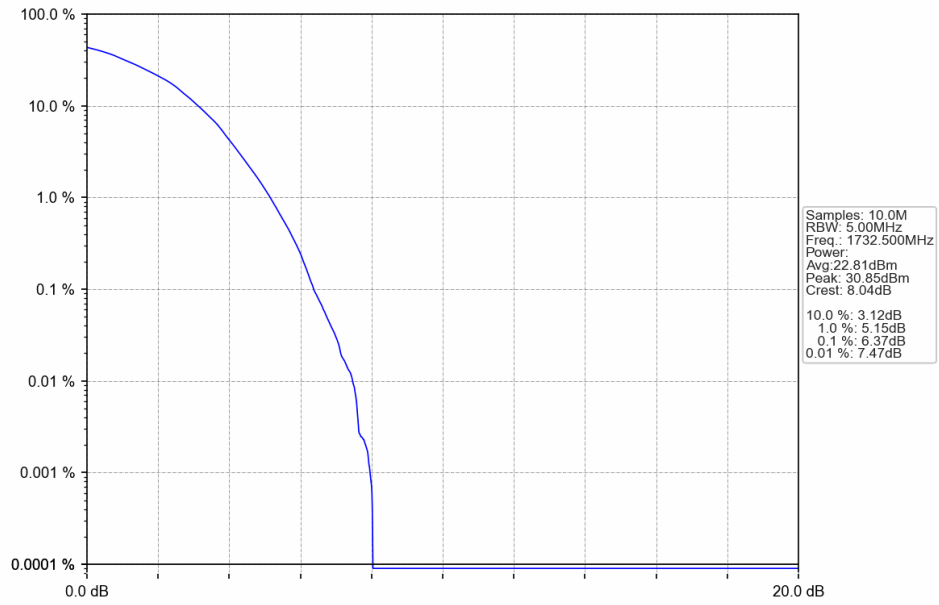


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Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_6.0_NTNV

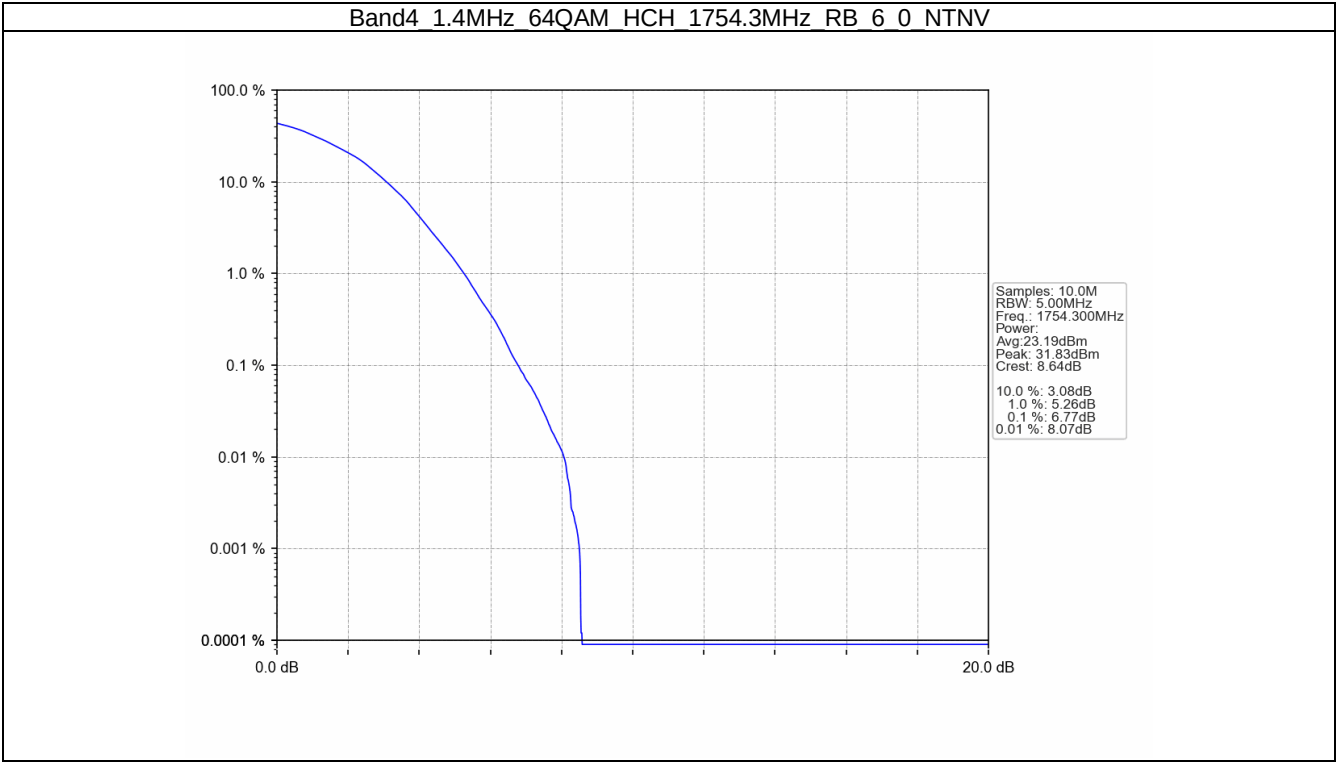




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3.2 B4_3MHz

3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.22	<=13	Pass
	1732.5	15	0	5.17	<=13	Pass
	1753.5	15	0	5.22	<=13	Pass
16QAM	1711.5	15	0	6.02	<=13	Pass
	1732.5	15	0	6.00	<=13	Pass
	1753.5	15	0	6.03	<=13	Pass
64QAM	1711.5	15	0	6.65	<=13	Pass
	1732.5	15	0	6.59	<=13	Pass
	1753.5	15	0	6.70	<=13	Pass

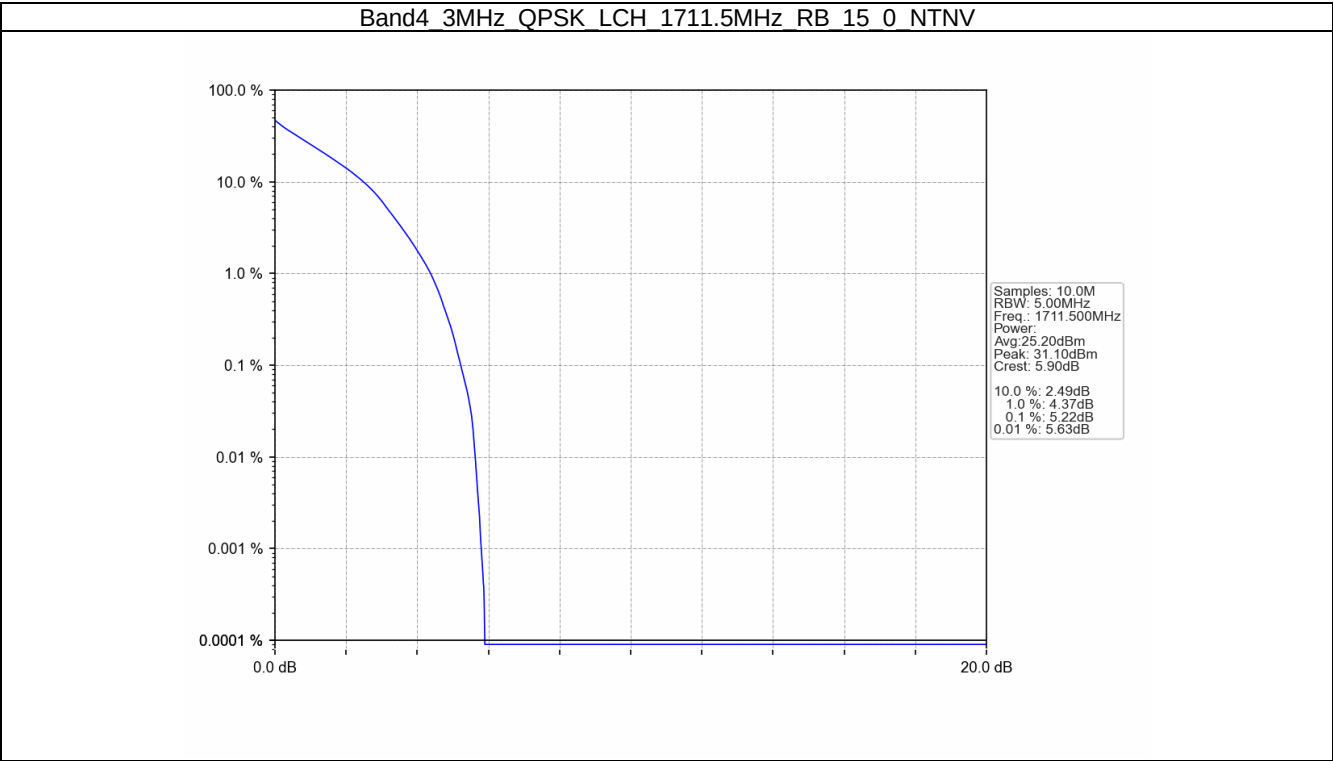


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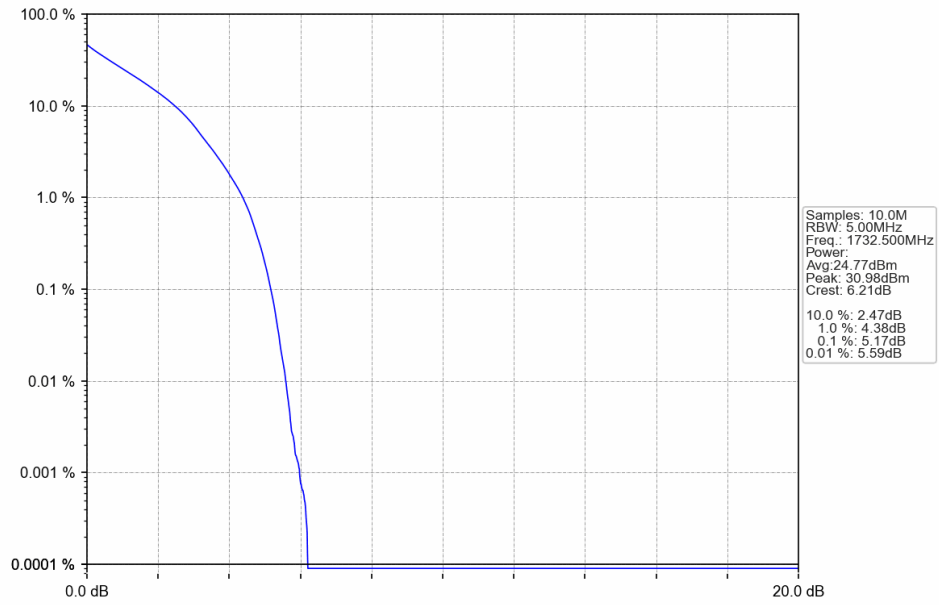
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3.2.2 Test Graph



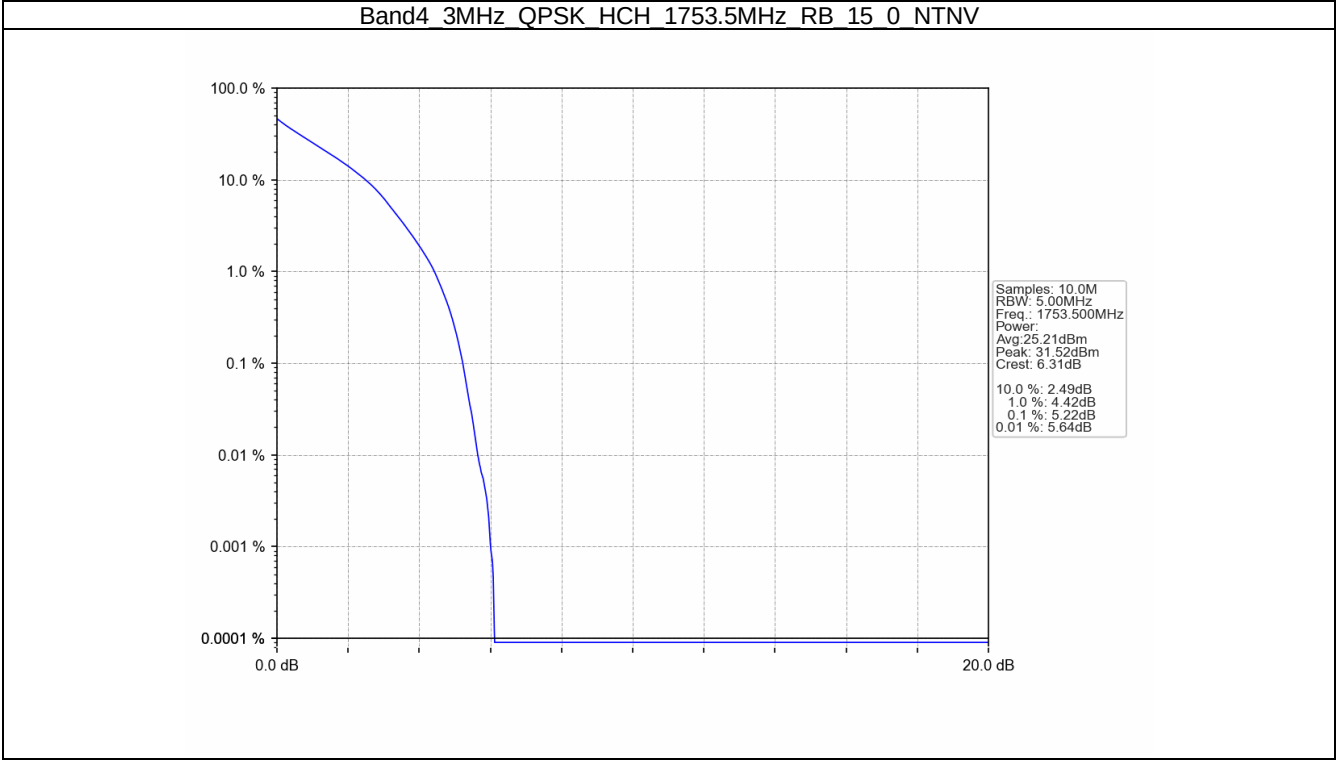
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



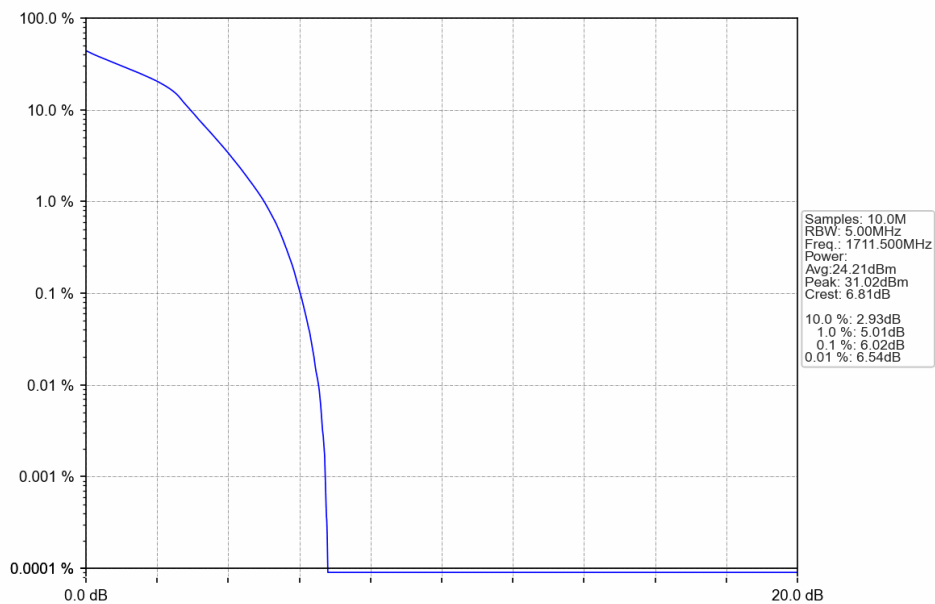


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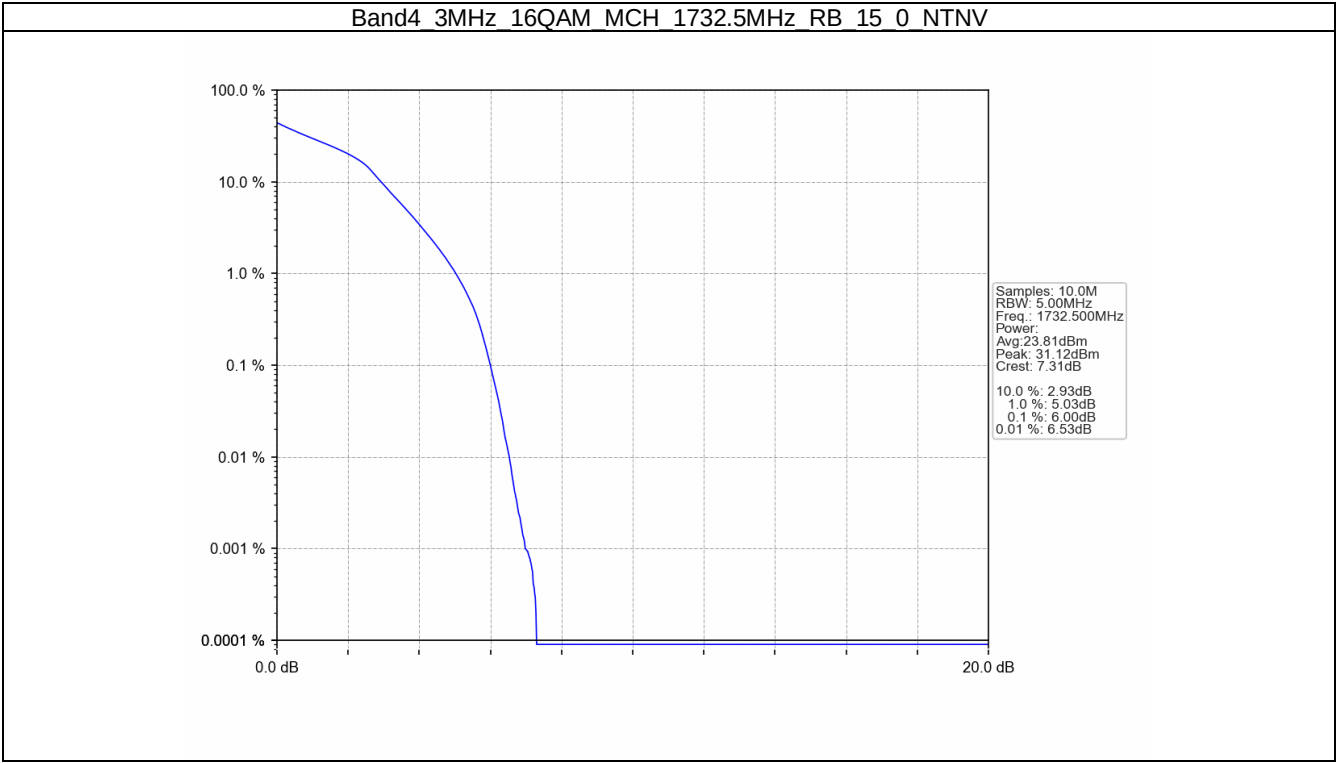
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



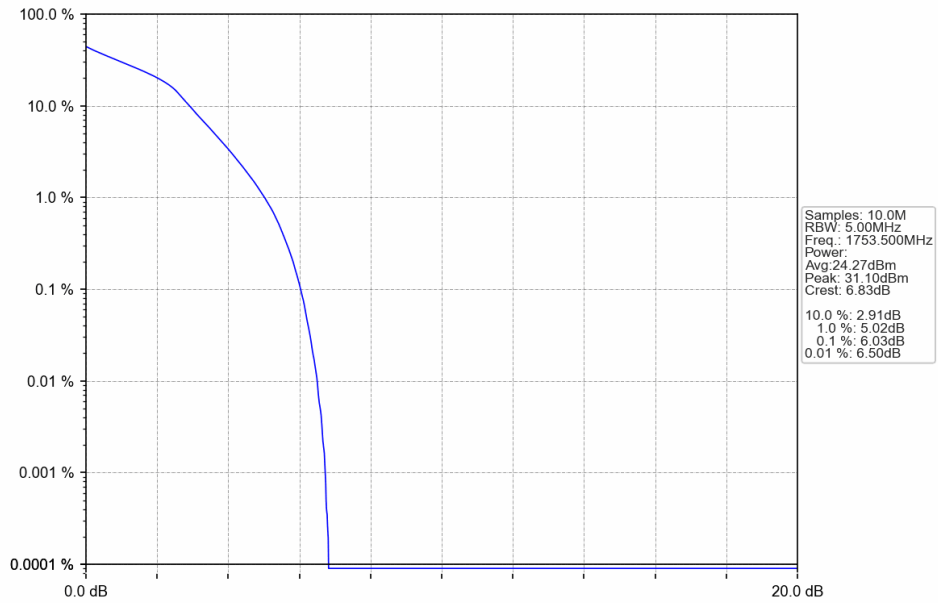


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Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

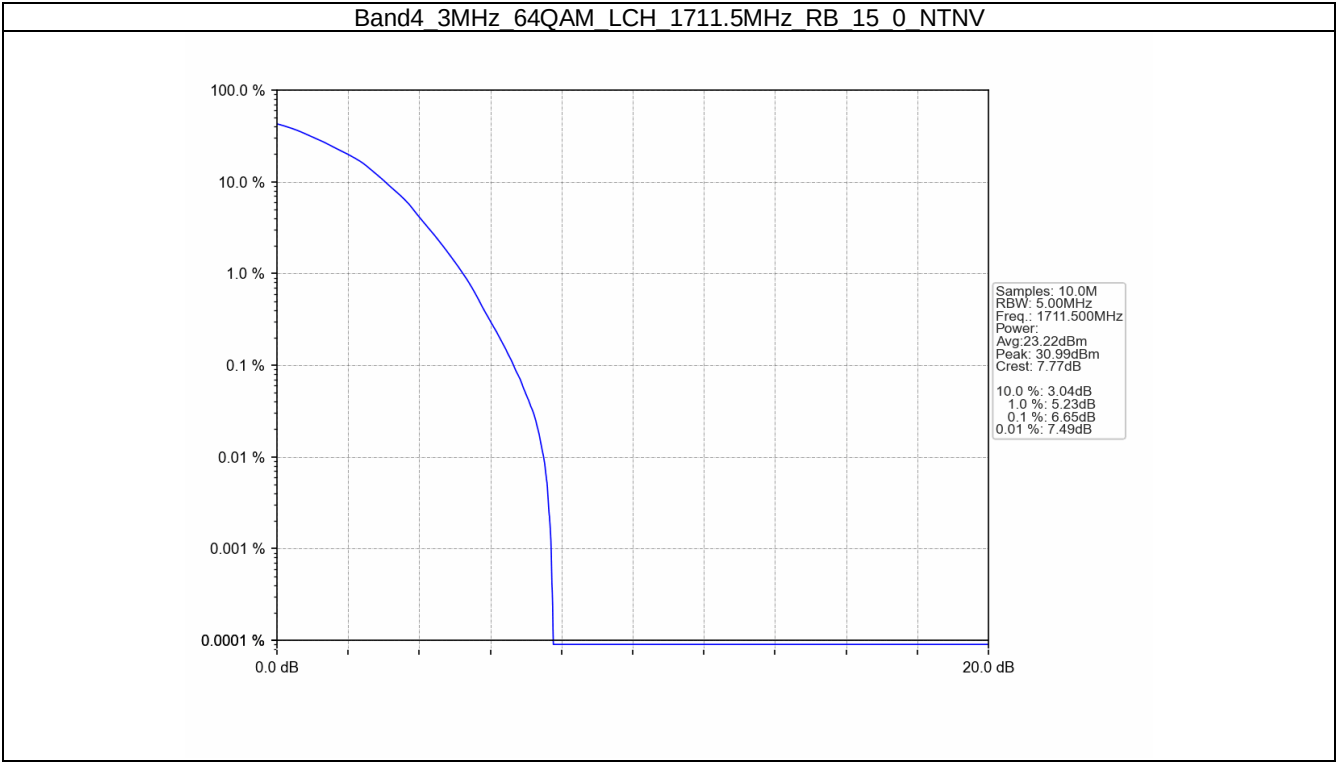




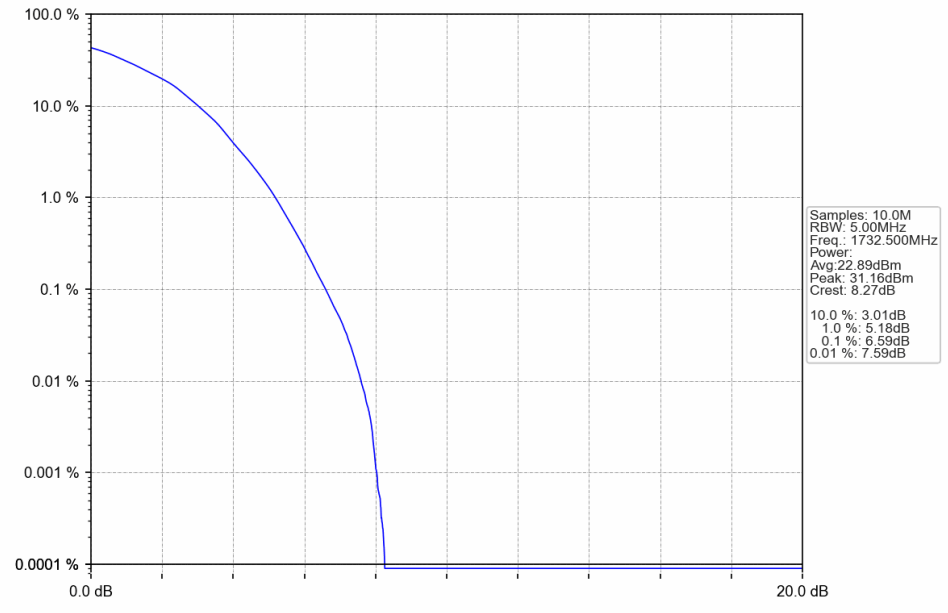
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Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV

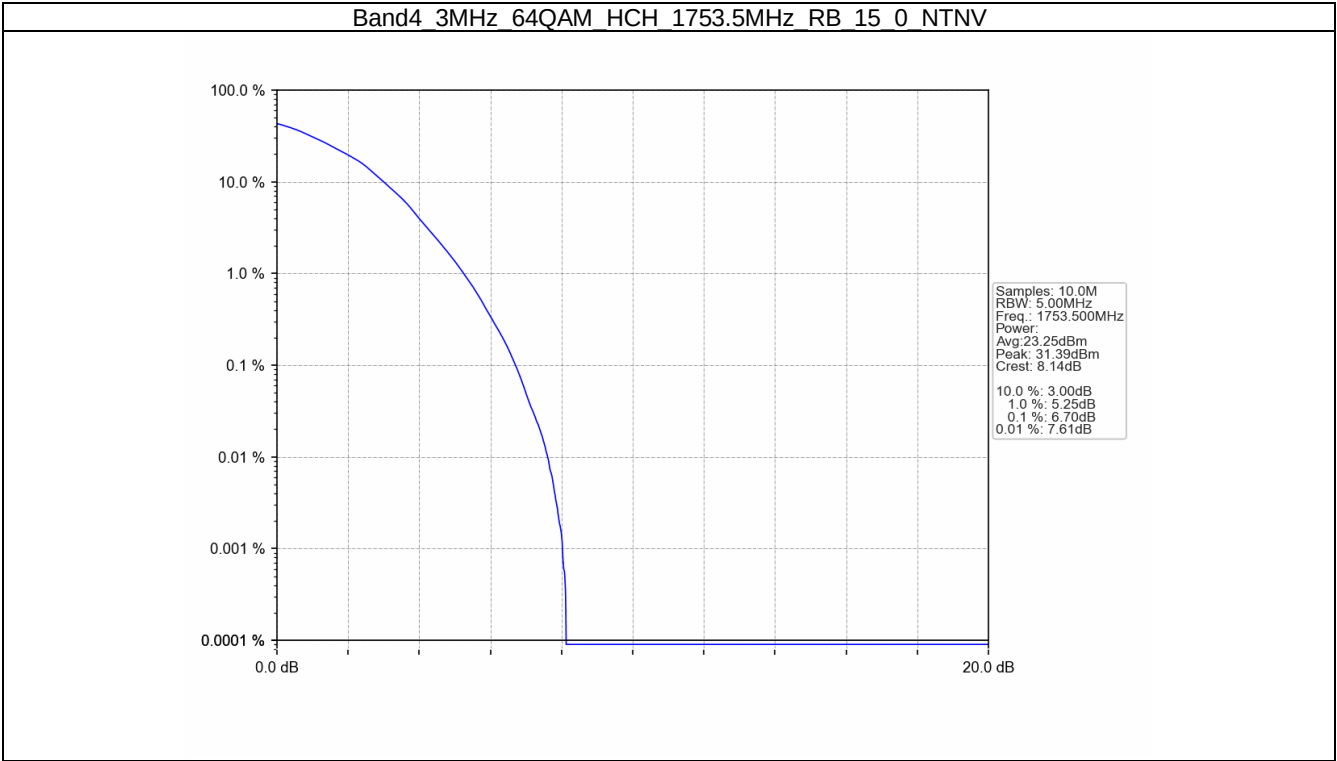




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3.3 B4_5MHz

3.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.28	<=13	Pass
	1732.5	25	0	5.29	<=13	Pass
	1752.5	25	0	5.29	<=13	Pass
16QAM	1712.5	25	0	6.04	<=13	Pass
	1732.5	25	0	6.02	<=13	Pass
	1752.5	25	0	6.00	<=13	Pass
64QAM	1712.5	25	0	6.58	<=13	Pass
	1732.5	25	0	6.55	<=13	Pass
	1752.5	25	0	6.58	<=13	Pass

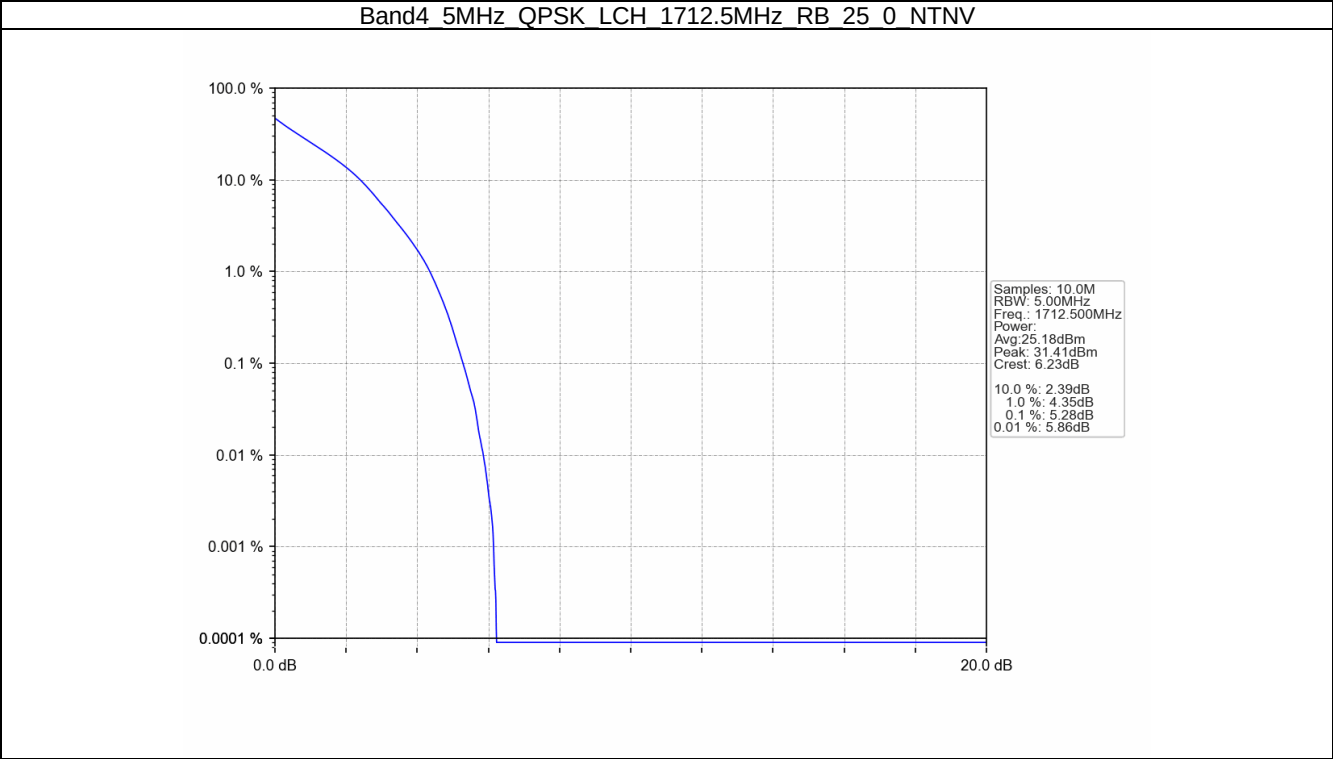


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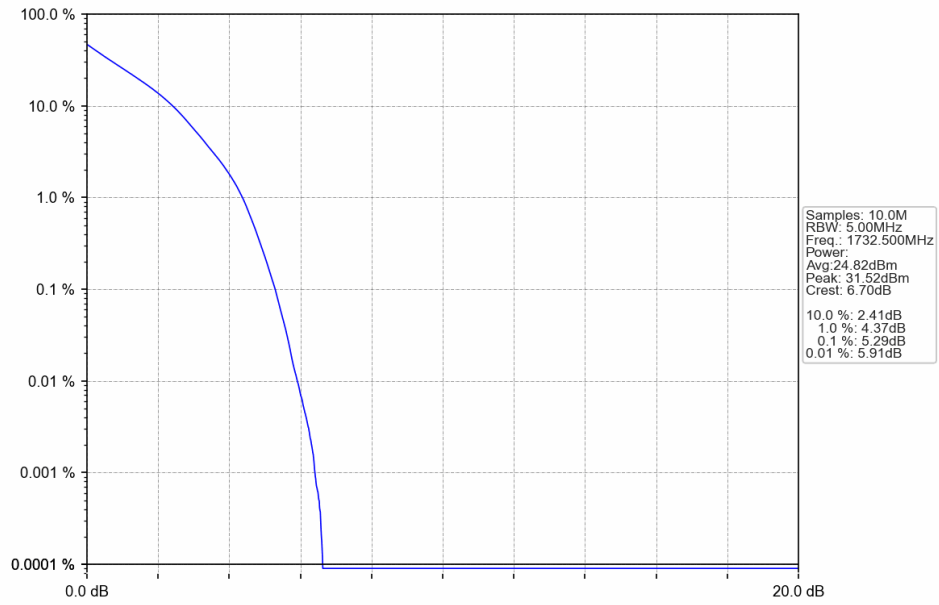
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3.3.2 Test Graph



Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

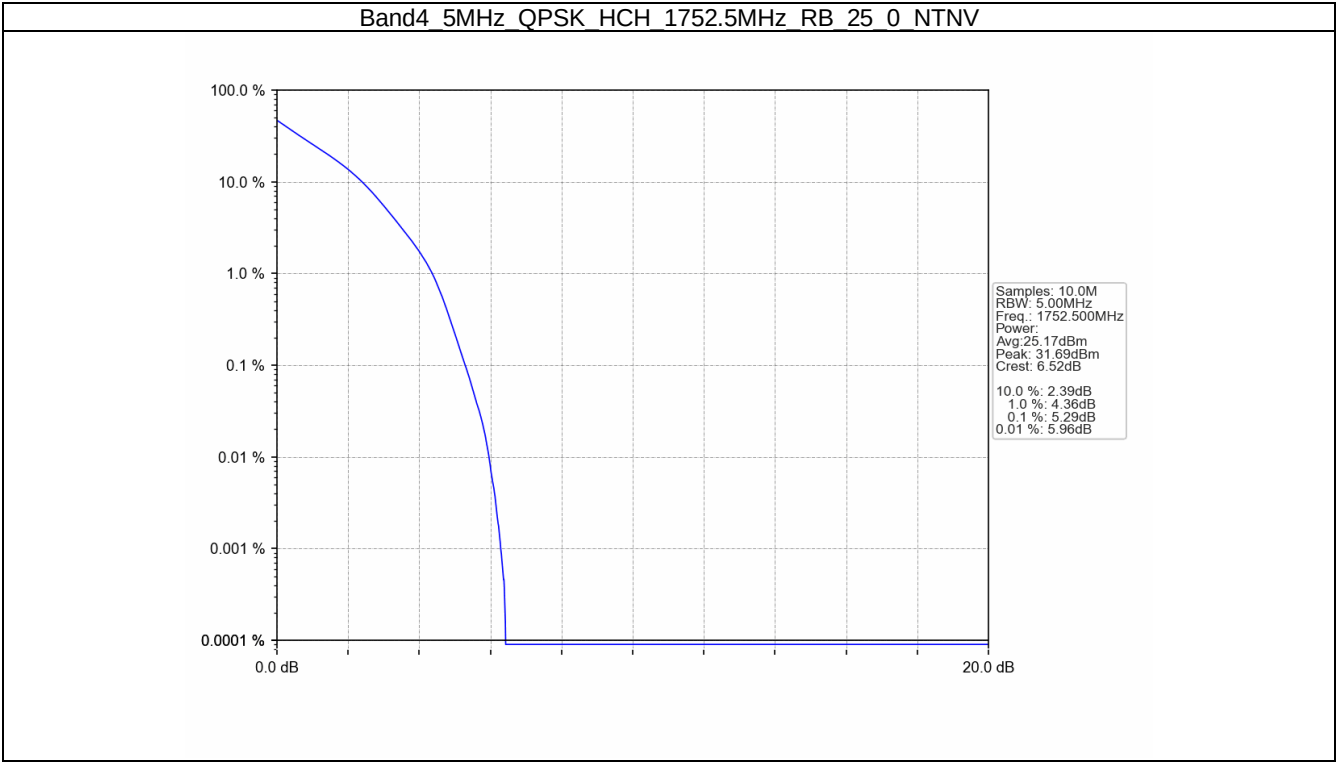




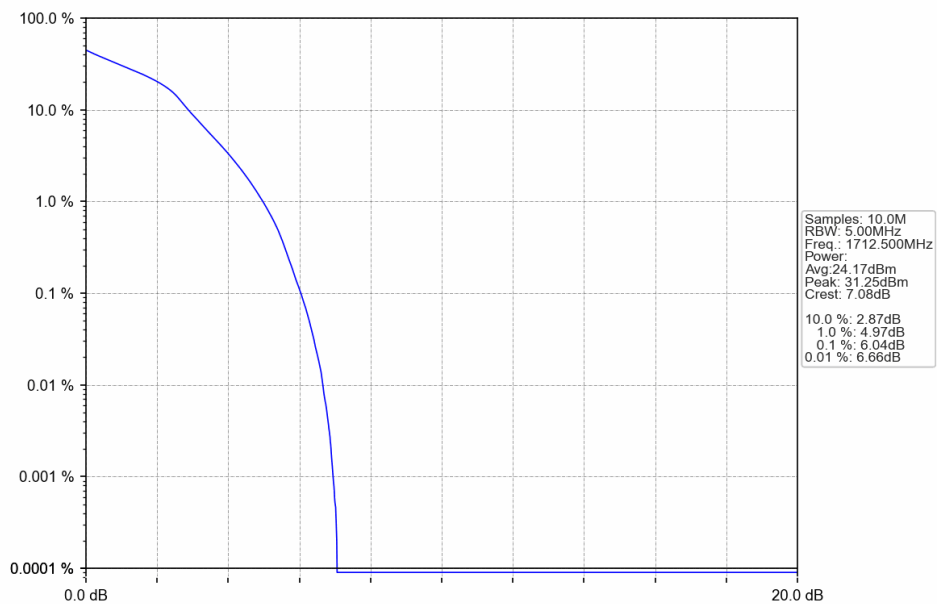
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Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

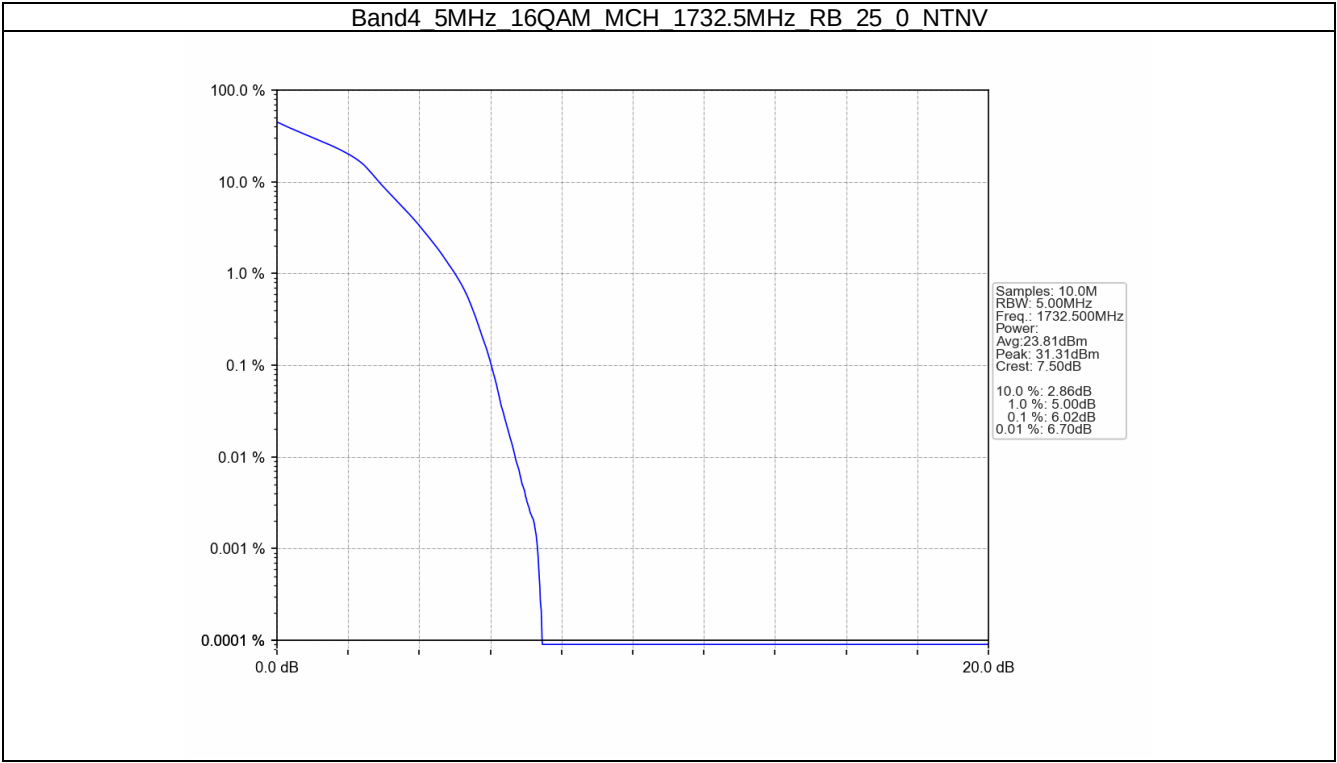




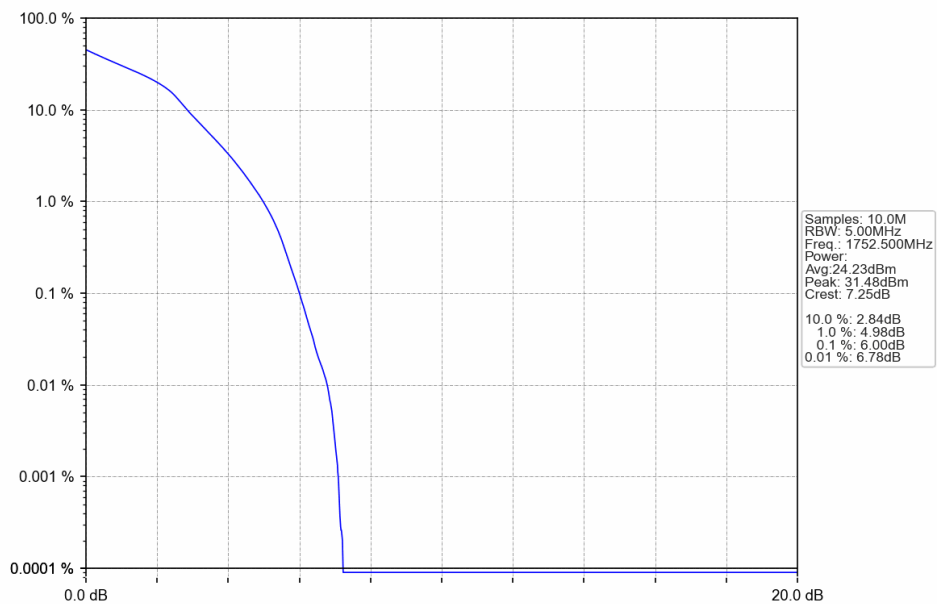
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Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

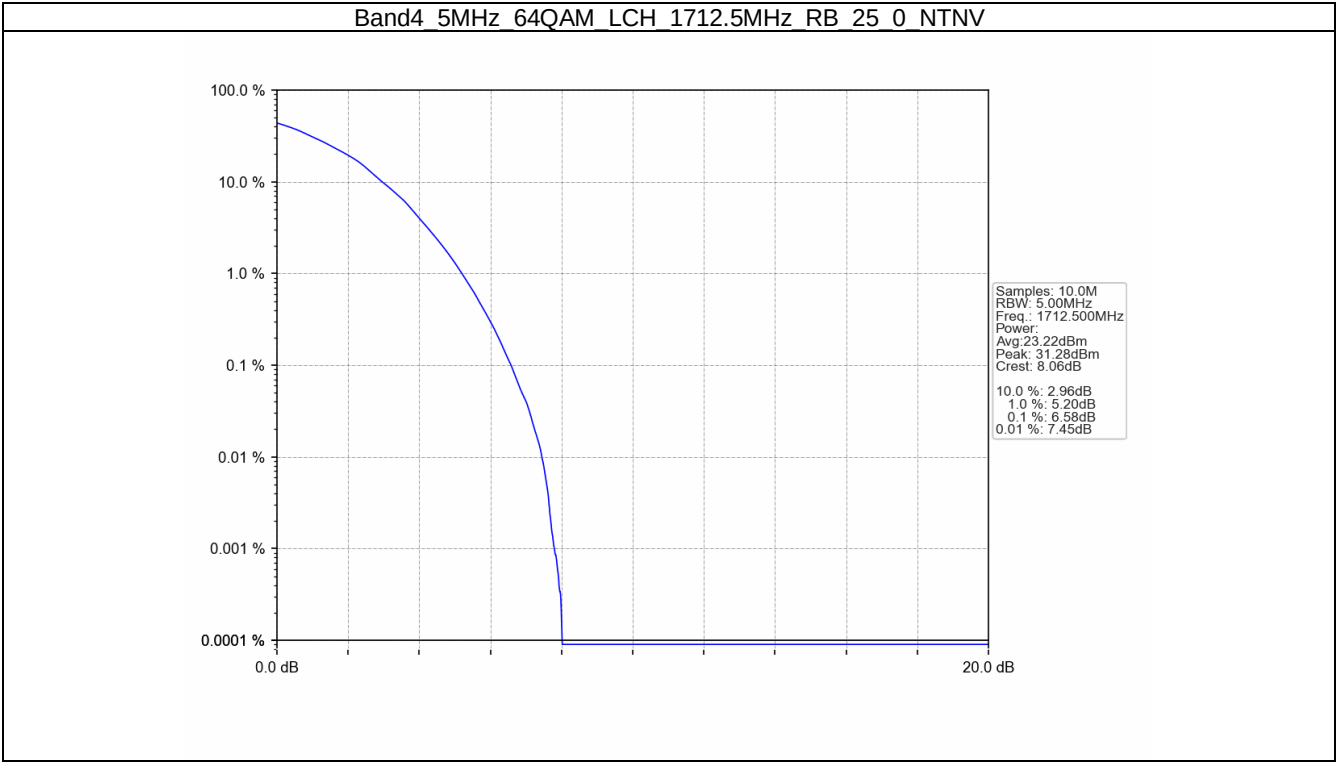




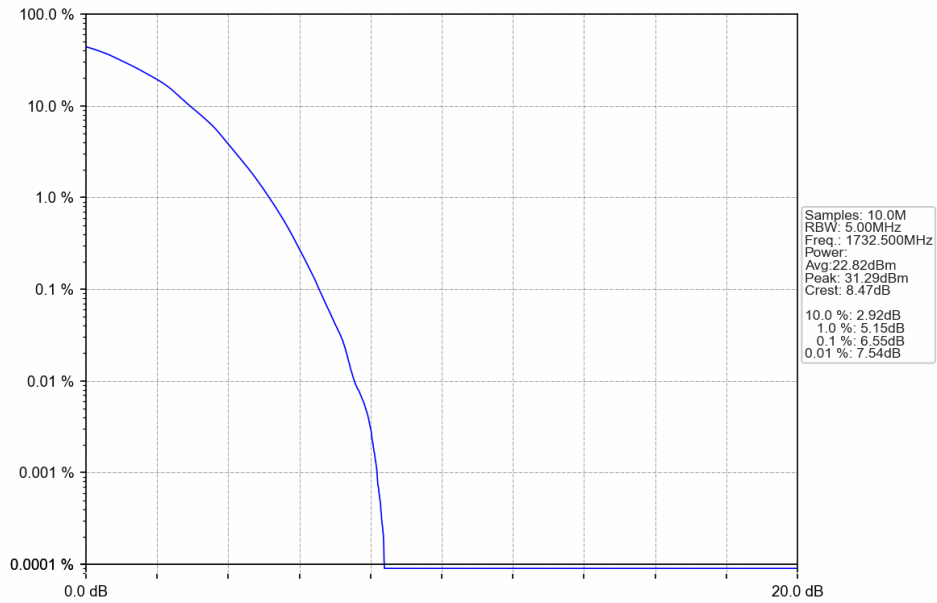
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Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV

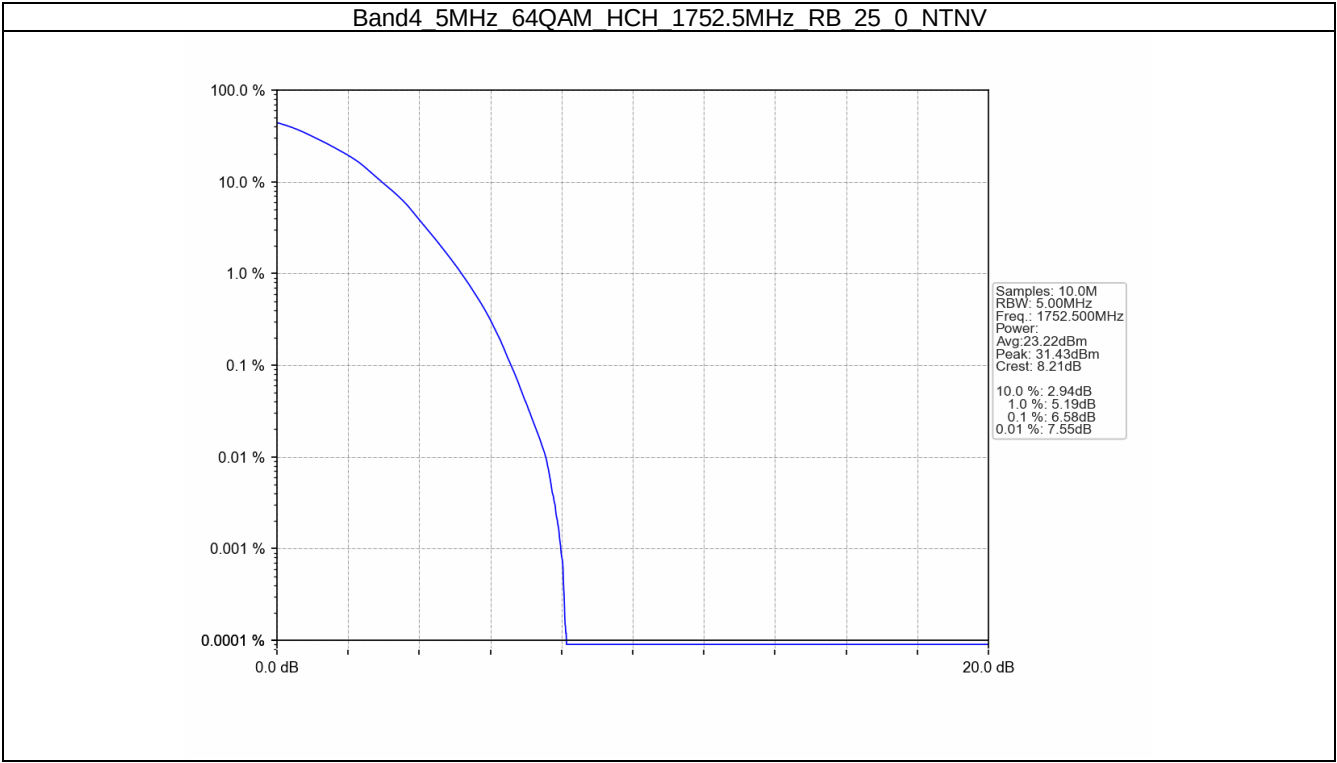




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3.4 B4_10MHz

3.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.25	<=13	Pass
	1732.5	50	0	5.22	<=13	Pass
	1750	50	0	5.21	<=13	Pass
16QAM	1715	50	0	6.02	<=13	Pass
	1732.5	50	0	6.01	<=13	Pass
	1750	50	0	5.99	<=13	Pass
64QAM	1715	50	0	6.56	<=13	Pass
	1732.5	50	0	6.59	<=13	Pass
	1750	50	0	6.54	<=13	Pass

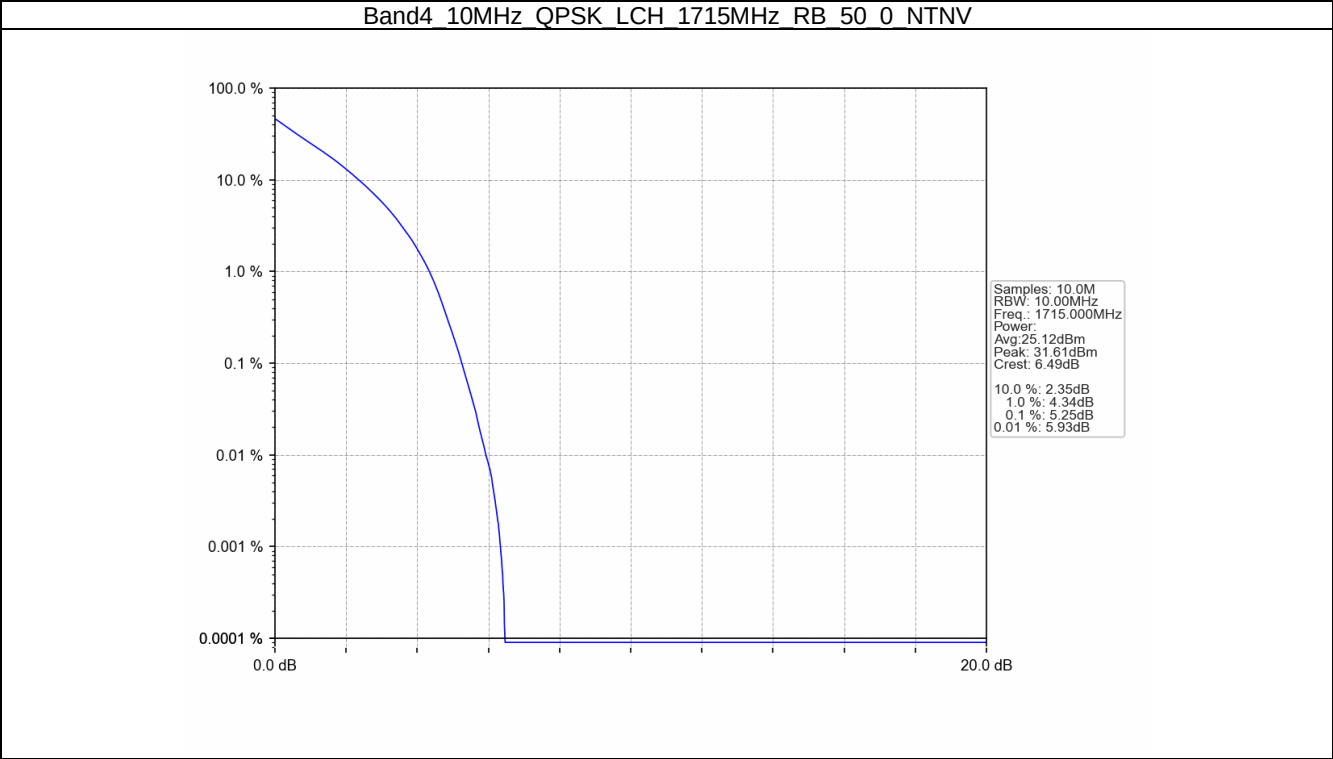


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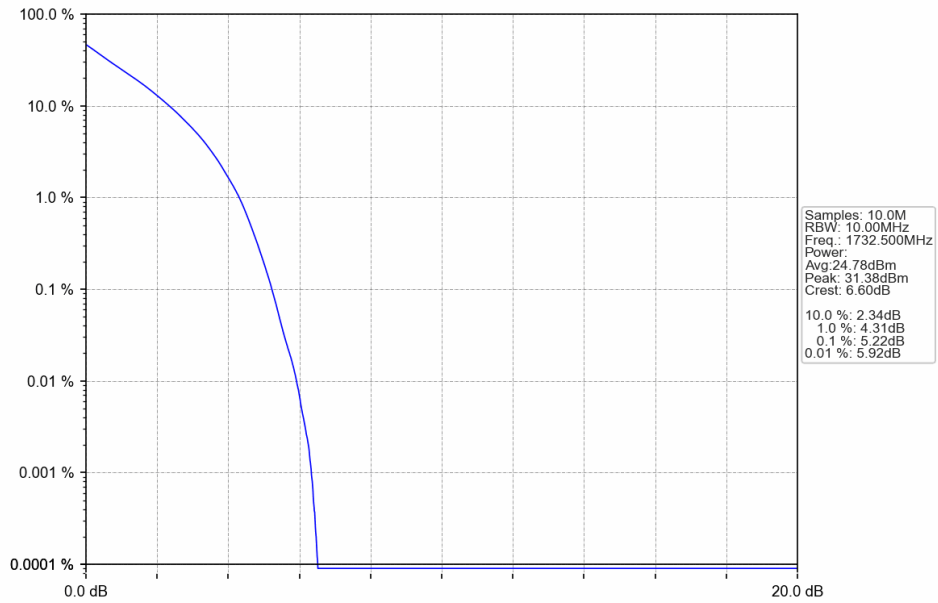
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3.4.2 Test Graph



Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

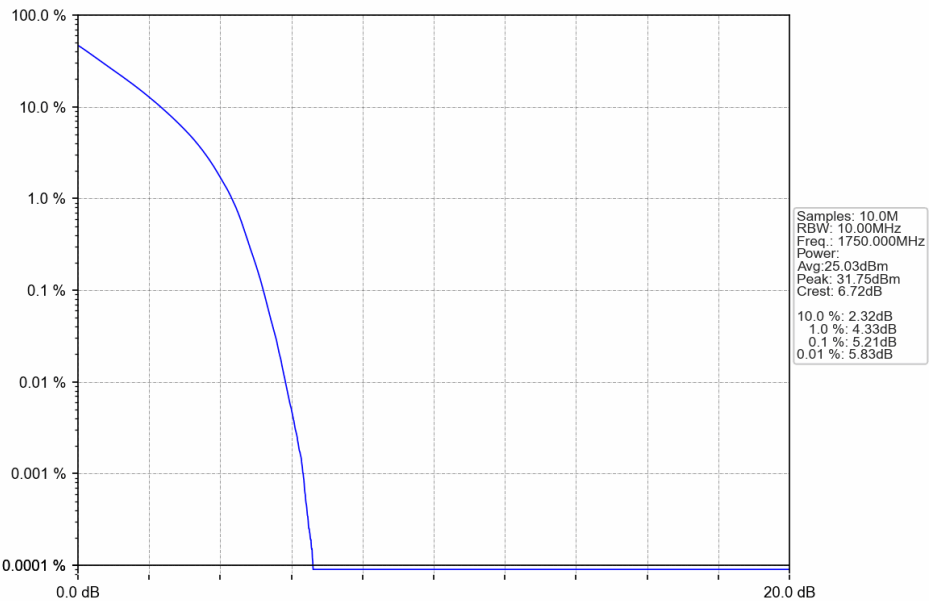




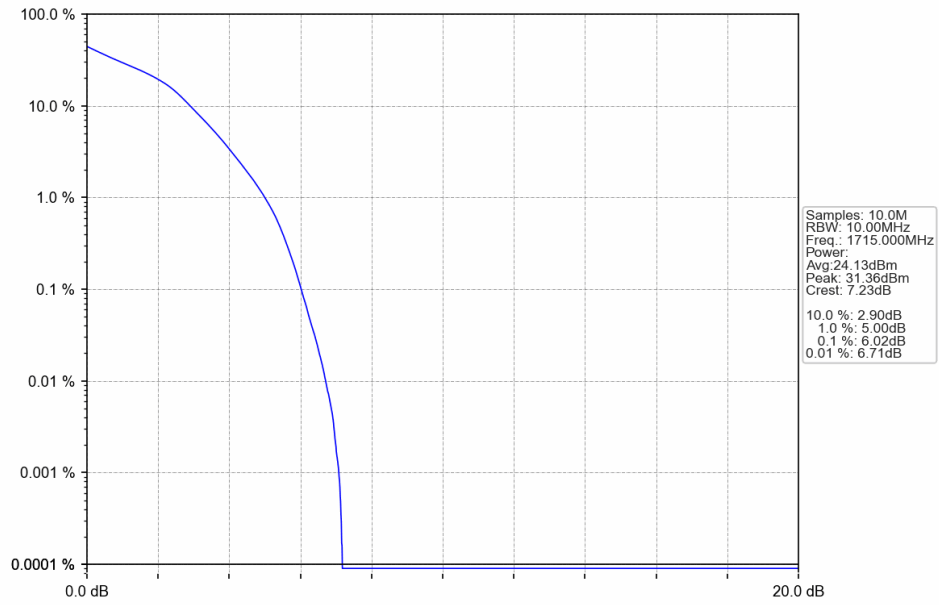
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Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



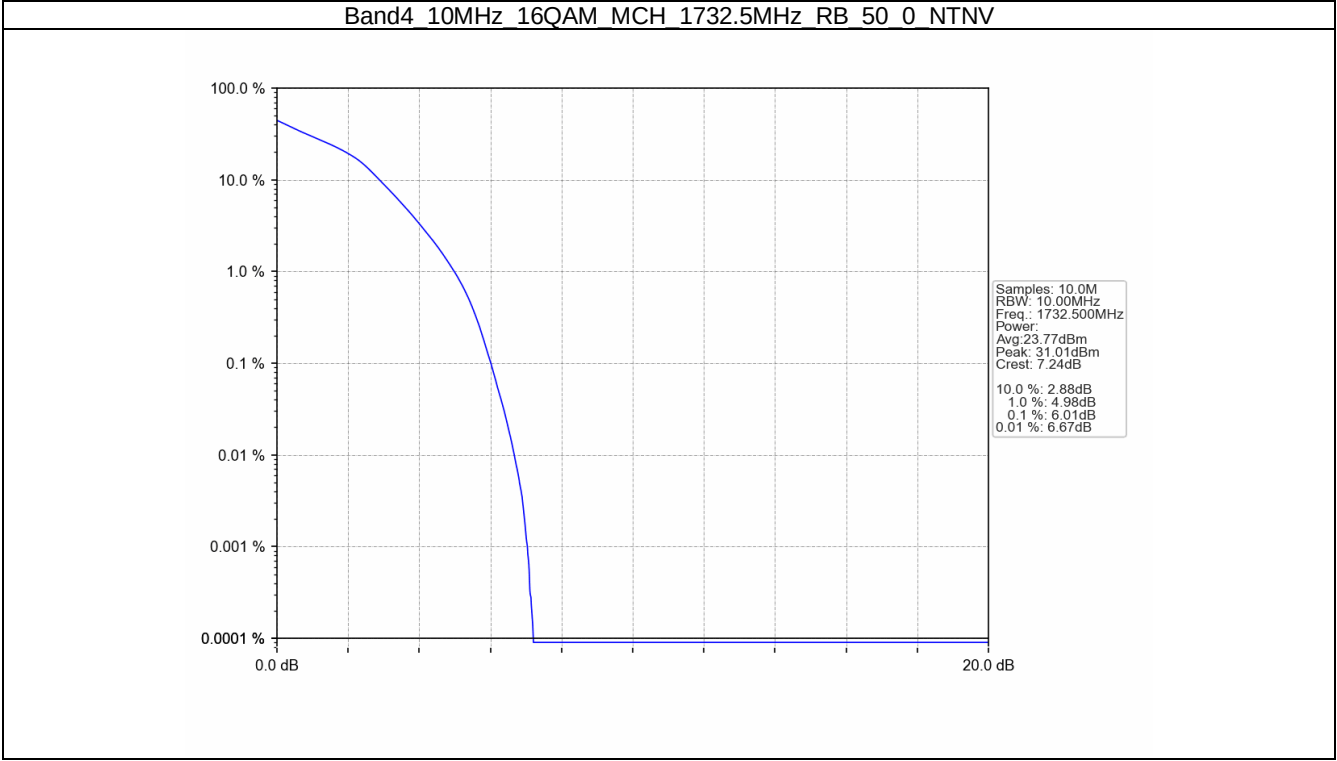
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



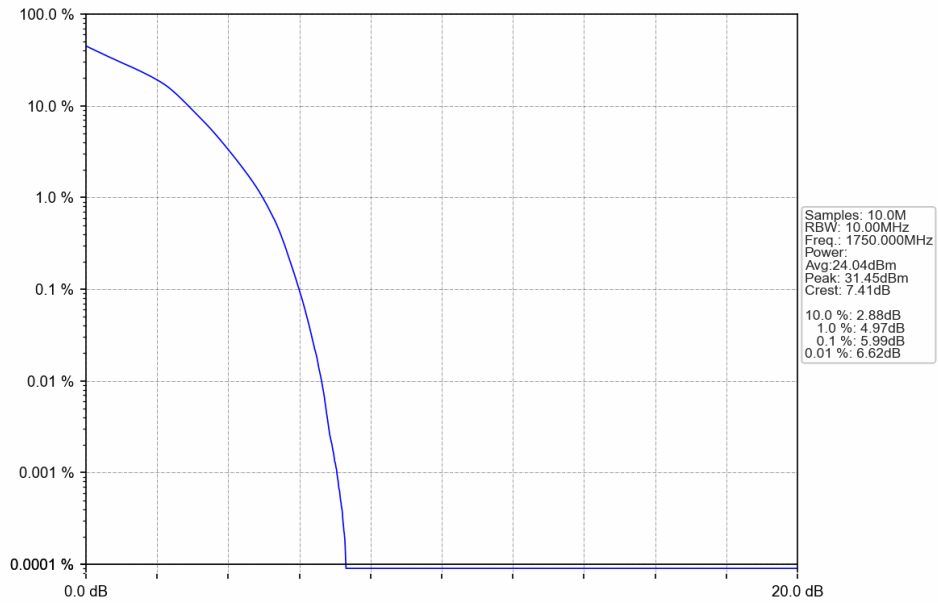


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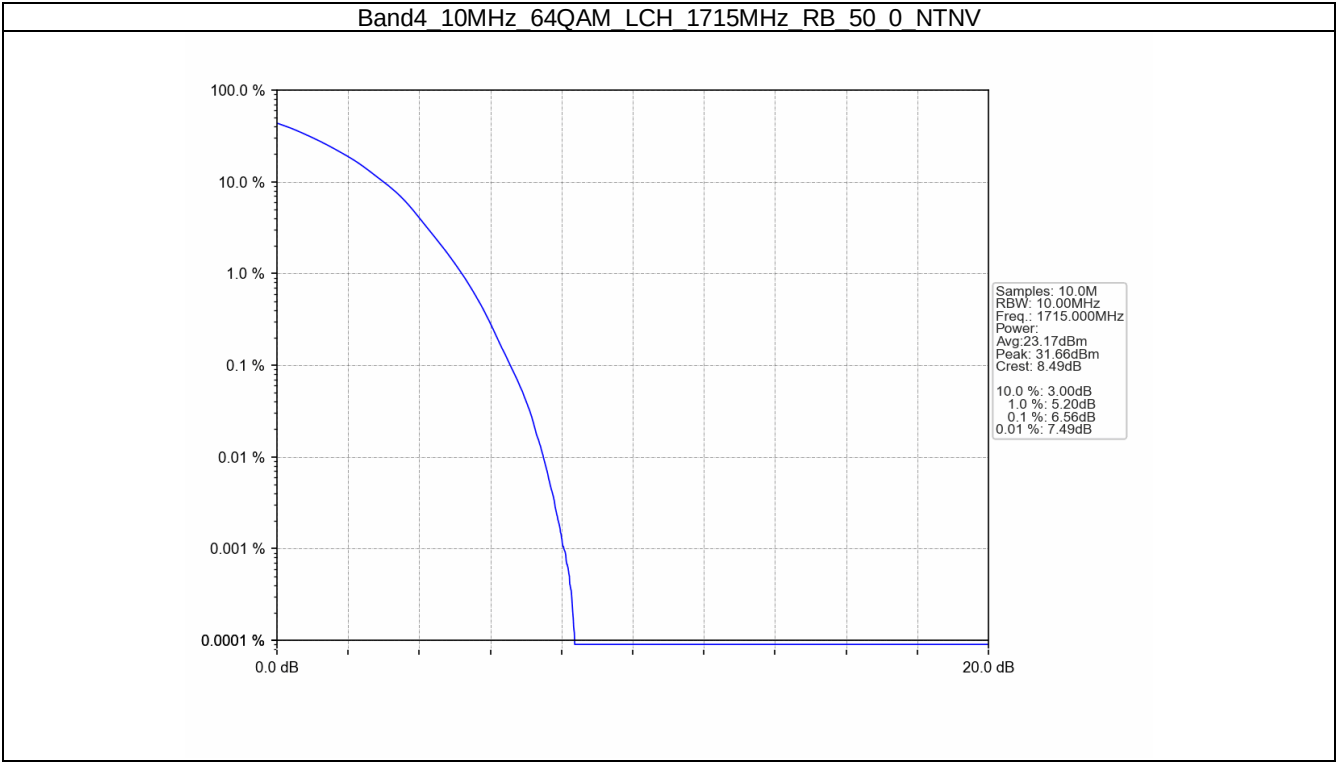
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



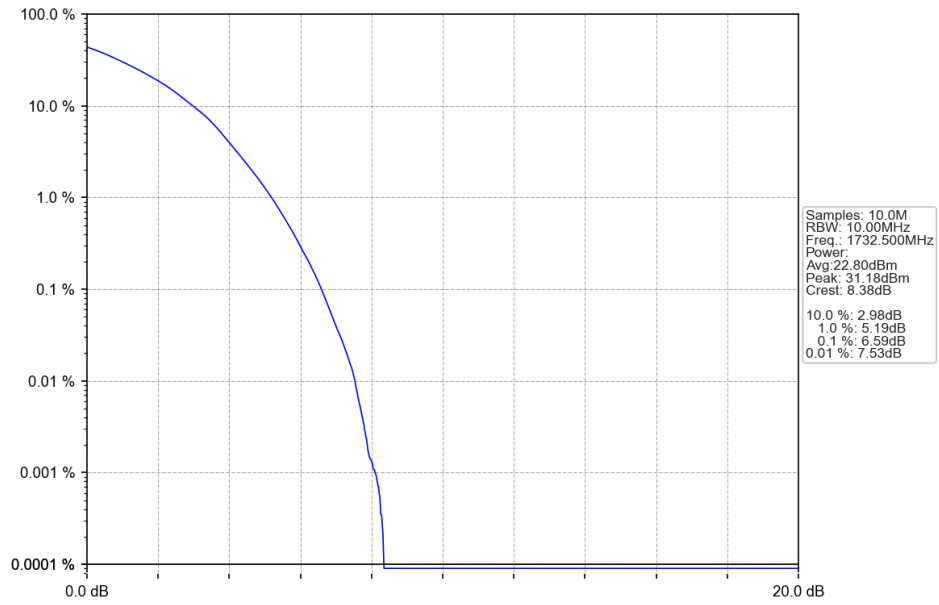


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Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV

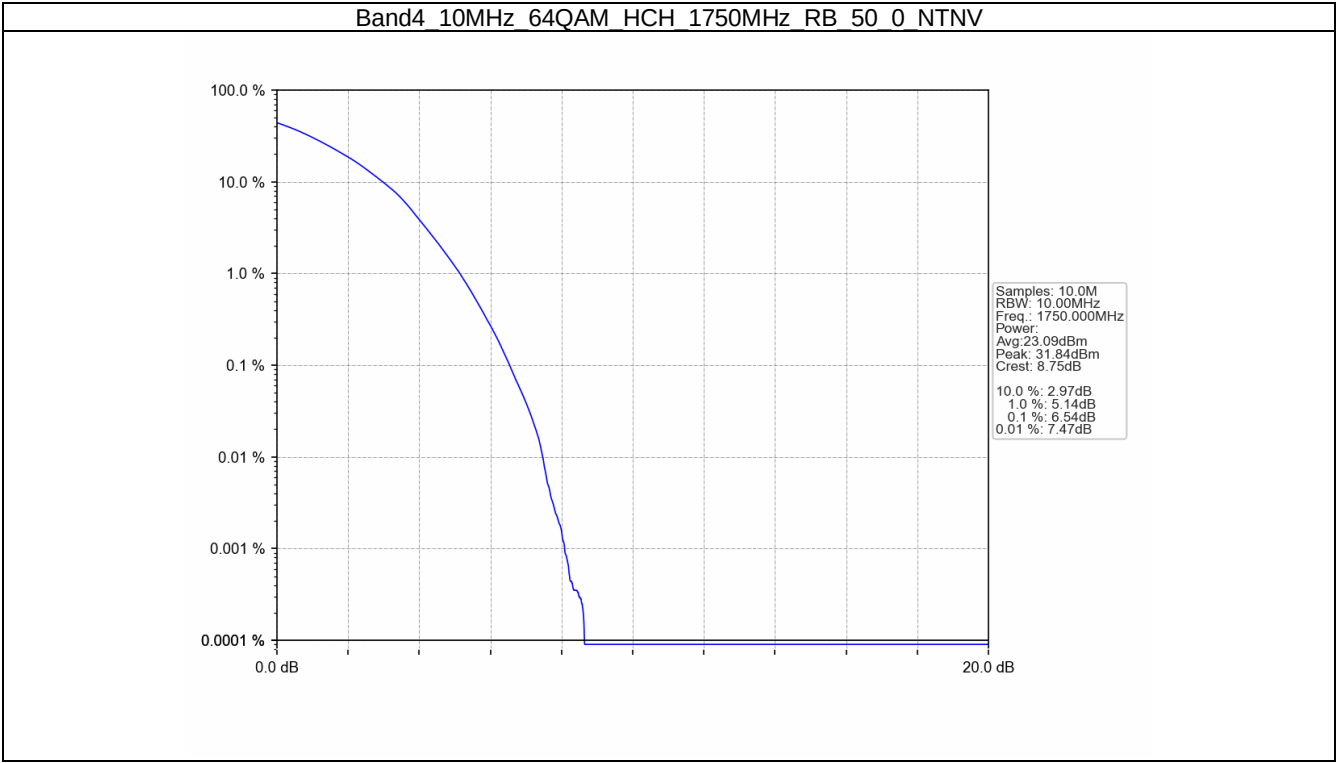




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3.5 B4_15MHz

3.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.49	<=13	Pass
	1732.5	75	0	5.50	<=13	Pass
	1747.5	75	0	5.52	<=13	Pass
16QAM	1717.5	75	0	6.10	<=13	Pass
	1732.5	75	0	6.12	<=13	Pass
	1747.5	75	0	6.12	<=13	Pass
64QAM	1717.5	75	0	6.54	<=13	Pass
	1732.5	75	0	6.57	<=13	Pass
	1747.5	75	0	6.64	<=13	Pass

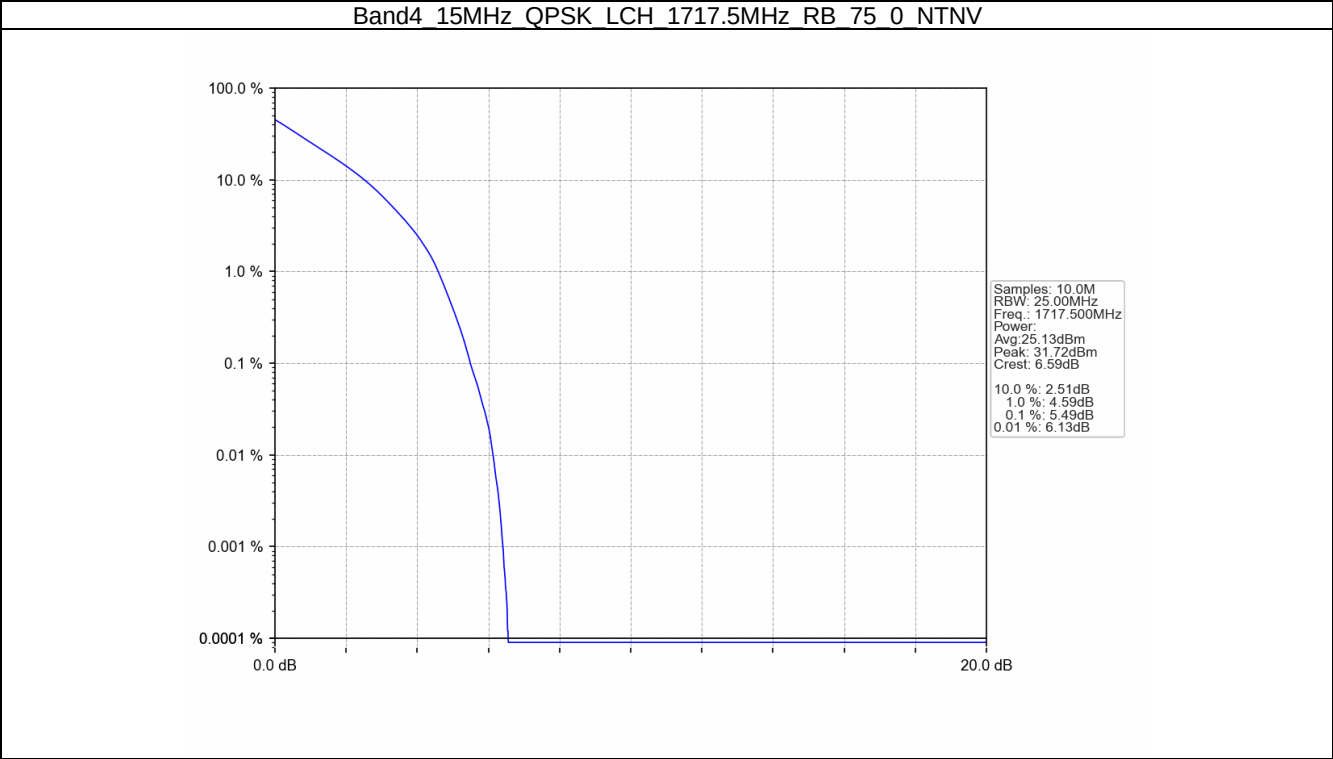


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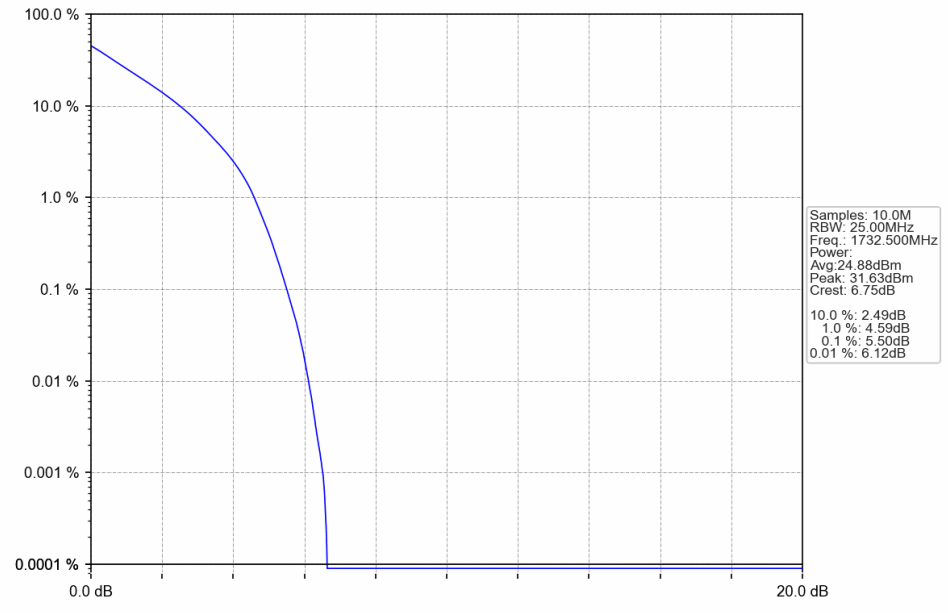
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3.5.2 Test Graph



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



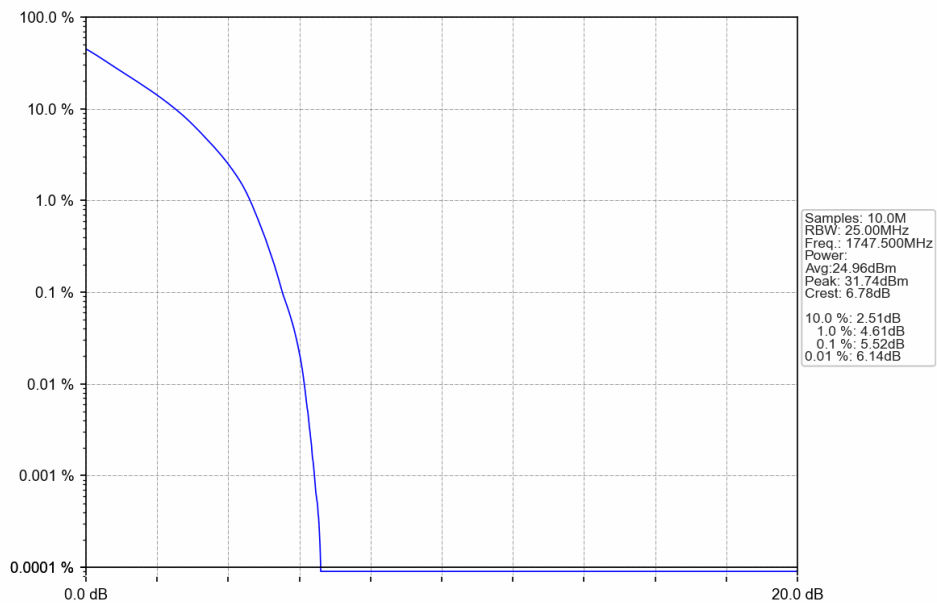


SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

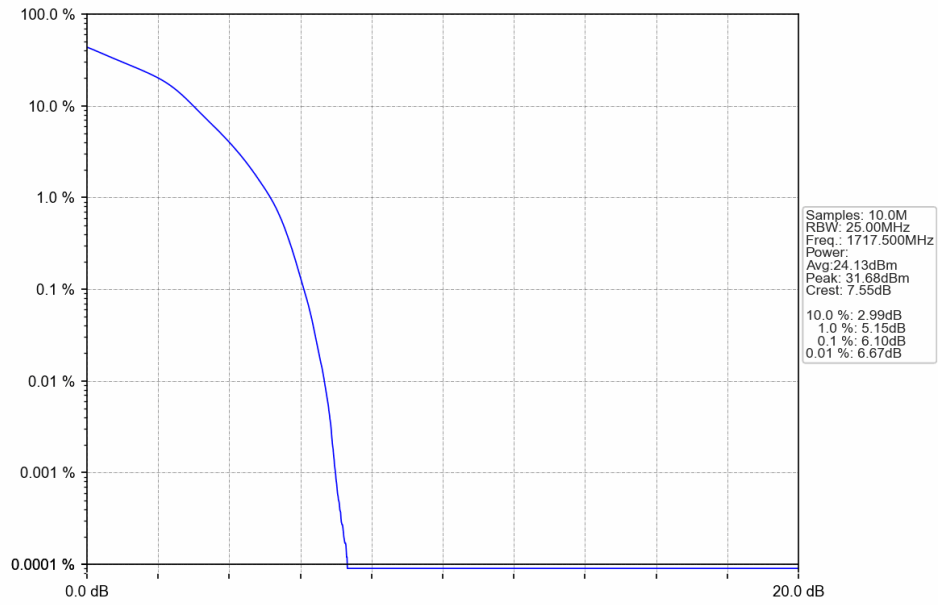
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Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



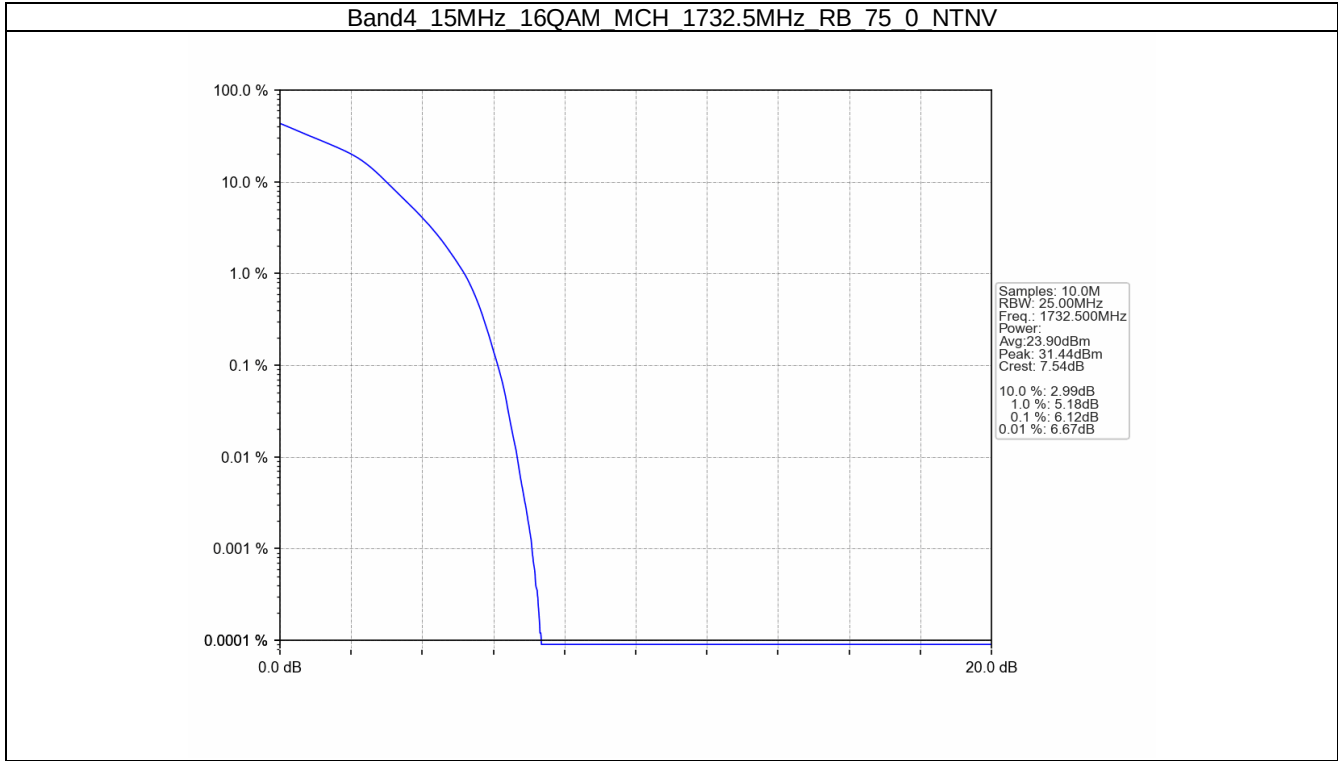
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



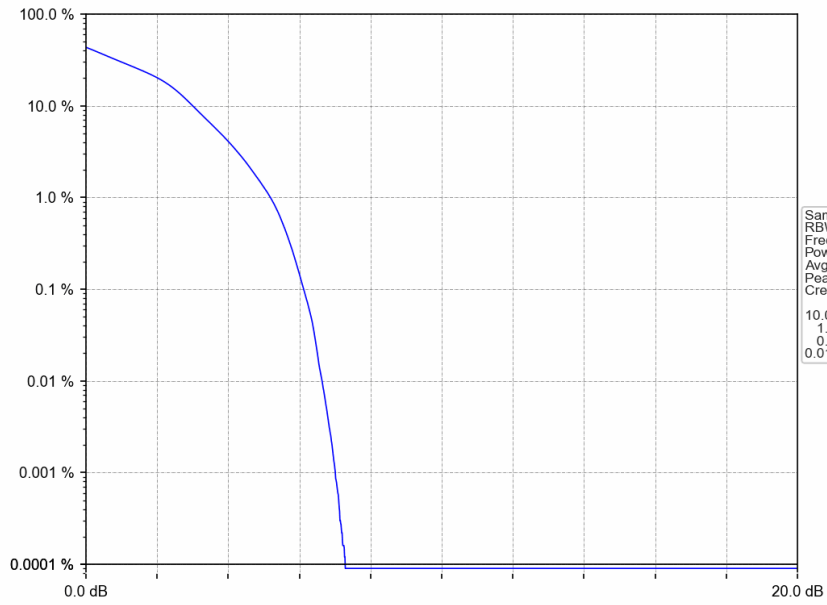


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Band4 15MHz 16QAM HCH 1747.5MHz RB 75_0 NTN



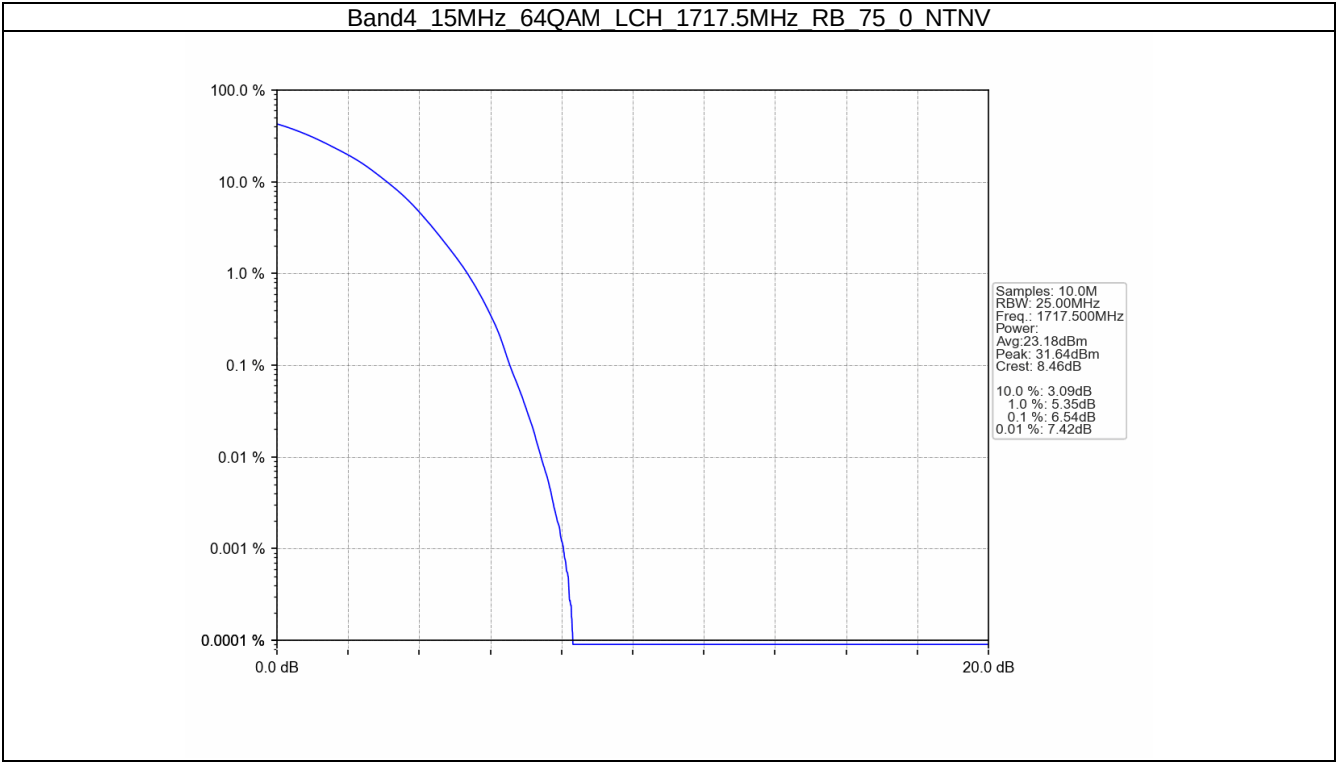
Samples: 10.0M
RBW: 25.00MHz
Freq.: 1747.500MHz
Power:
Avg: 24.01dBm
Peak: 31.47dBm
Crest: 7.46dB
10.0 %: 3.00dB
1.0 %: 5.19dB
0.1 %: 6.12dB
0.01 %: 6.64dB



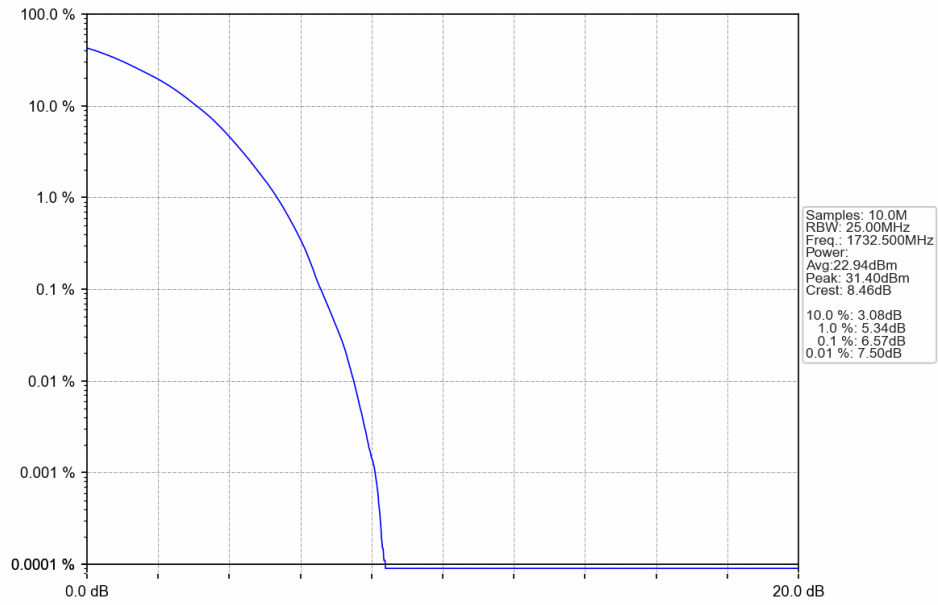
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Band4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV

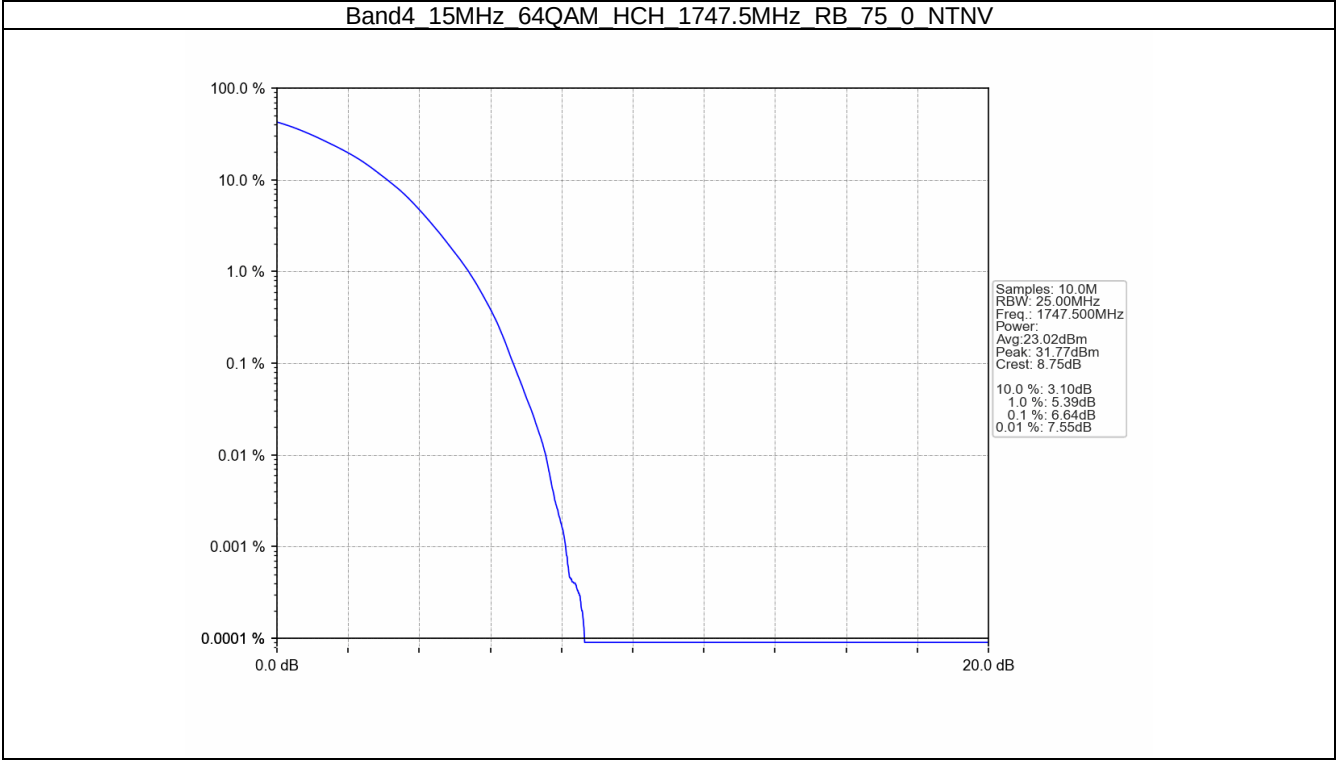




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3.6 B4_20MHz

3.6.1 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	5.04	<=13	Pass
	1732.5	100	0	5.23	<=13	Pass
	1745	100	0	5.35	<=13	Pass
16QAM	1720	100	0	5.93	<=13	Pass
	1732.5	100	0	6.03	<=13	Pass
	1745	100	0	6.11	<=13	Pass
64QAM	1720	100	0	6.55	<=13	Pass
	1732.5	100	0	6.59	<=13	Pass
	1745	100	0	6.66	<=13	Pass

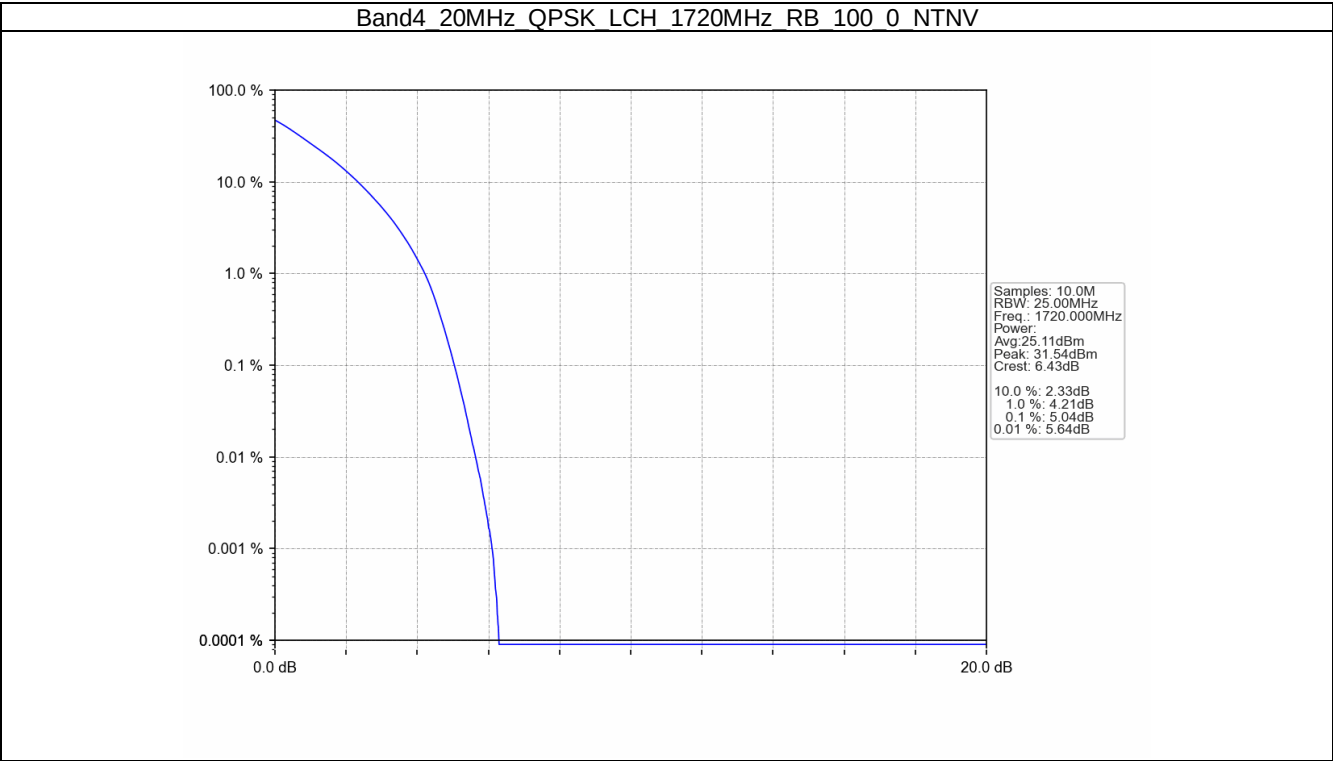


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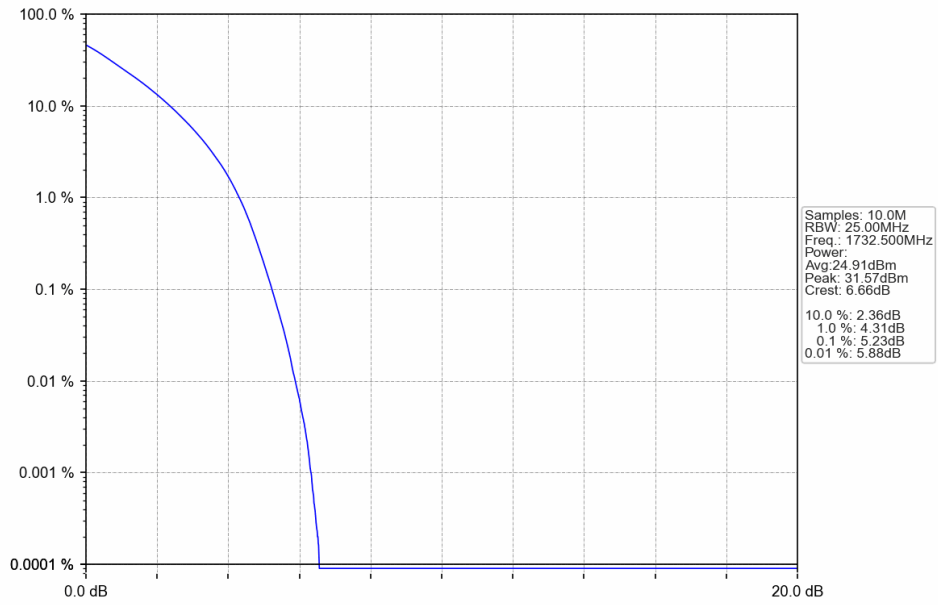
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3.6.2 Test Graph



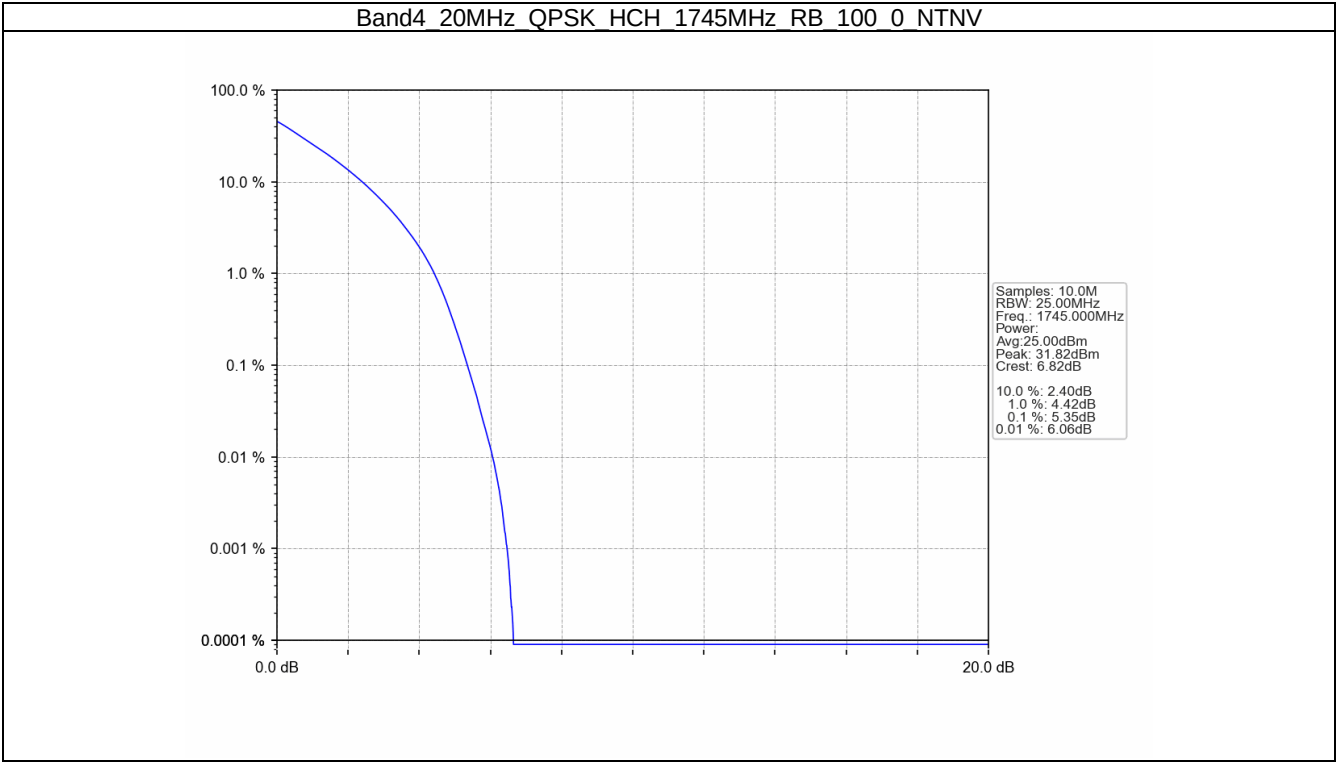
Band4 20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



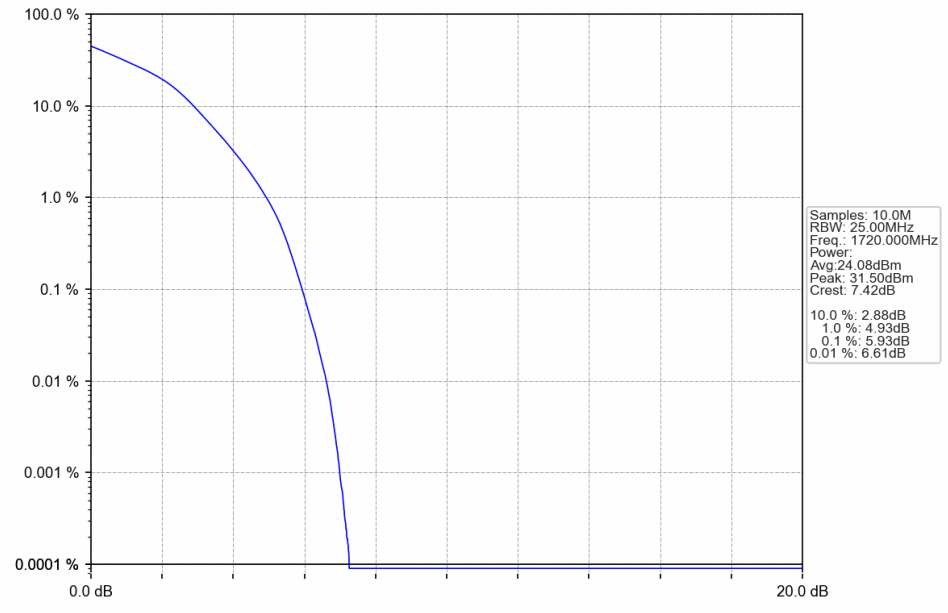


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Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

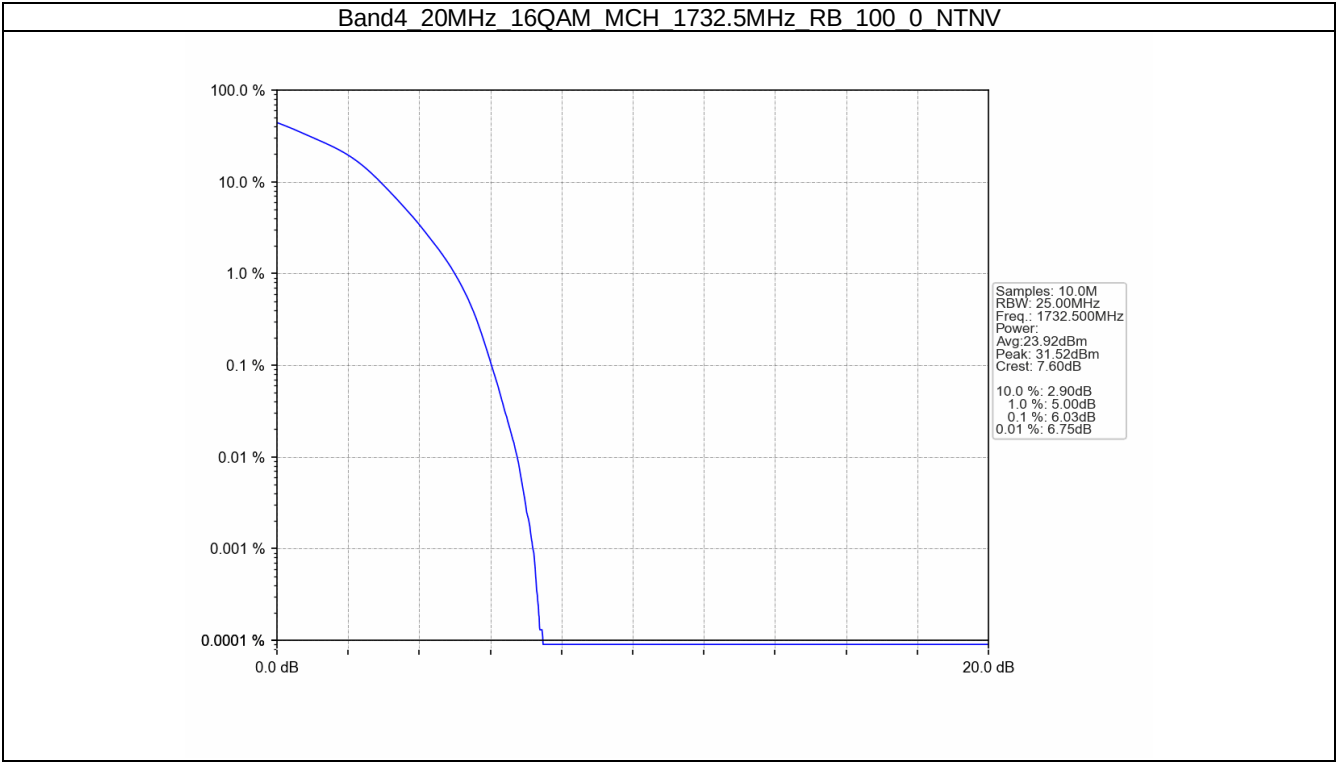




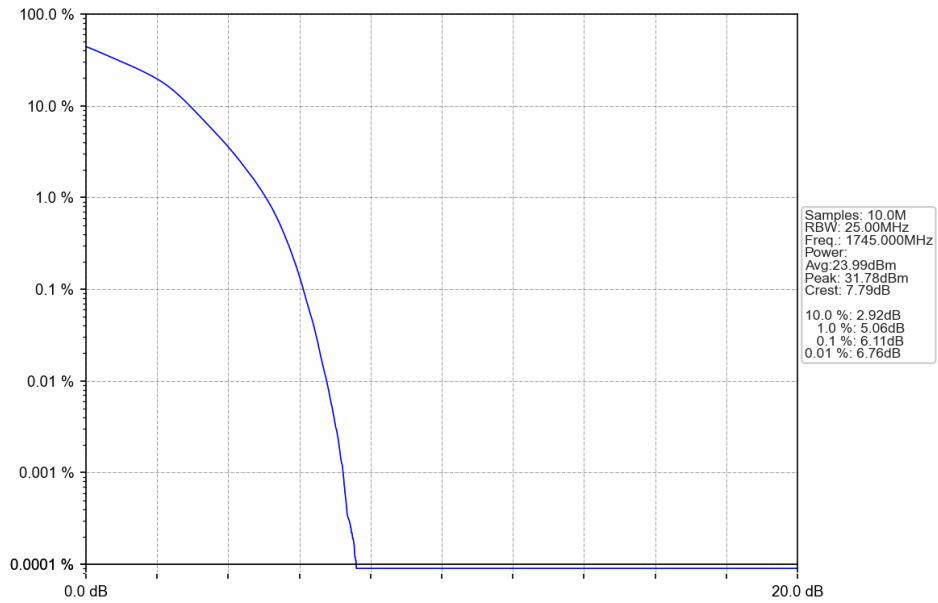
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Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

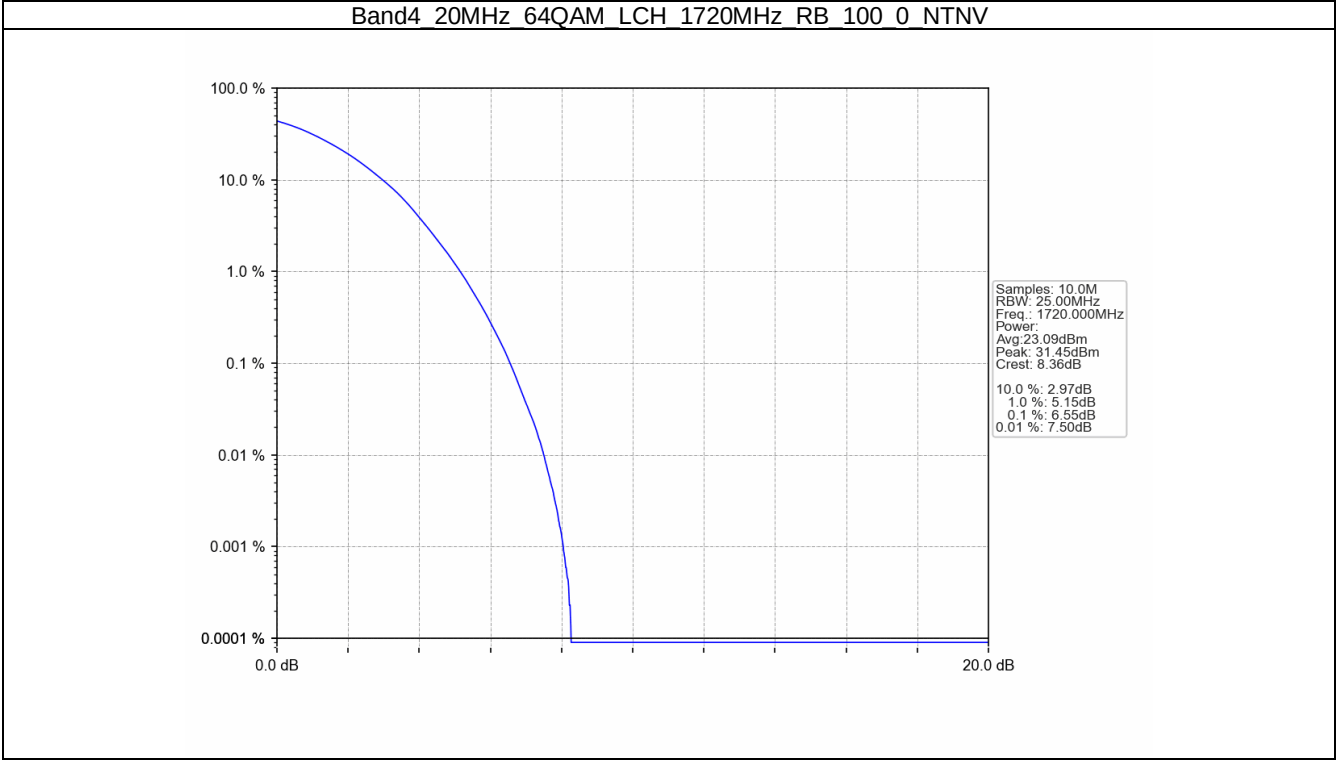




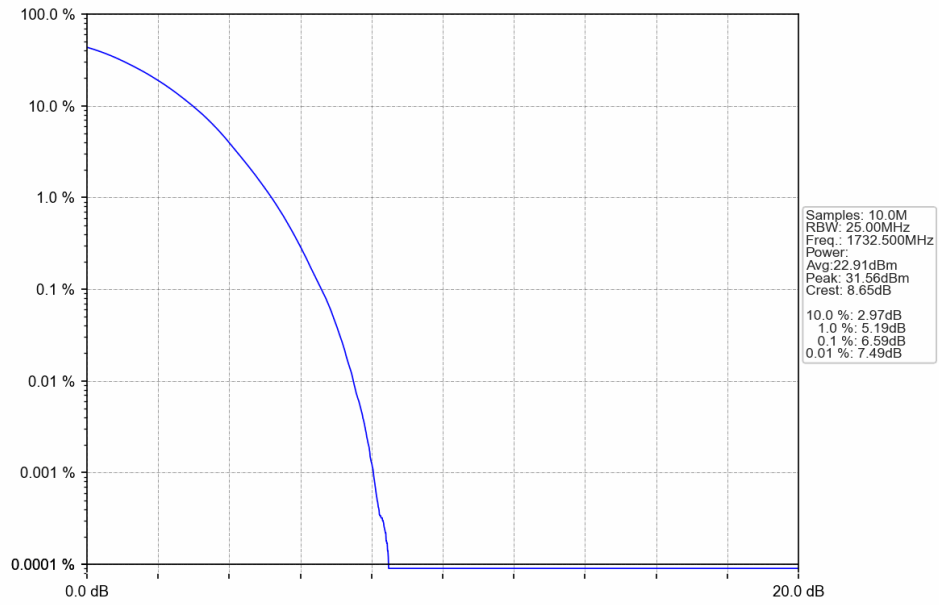
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Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV

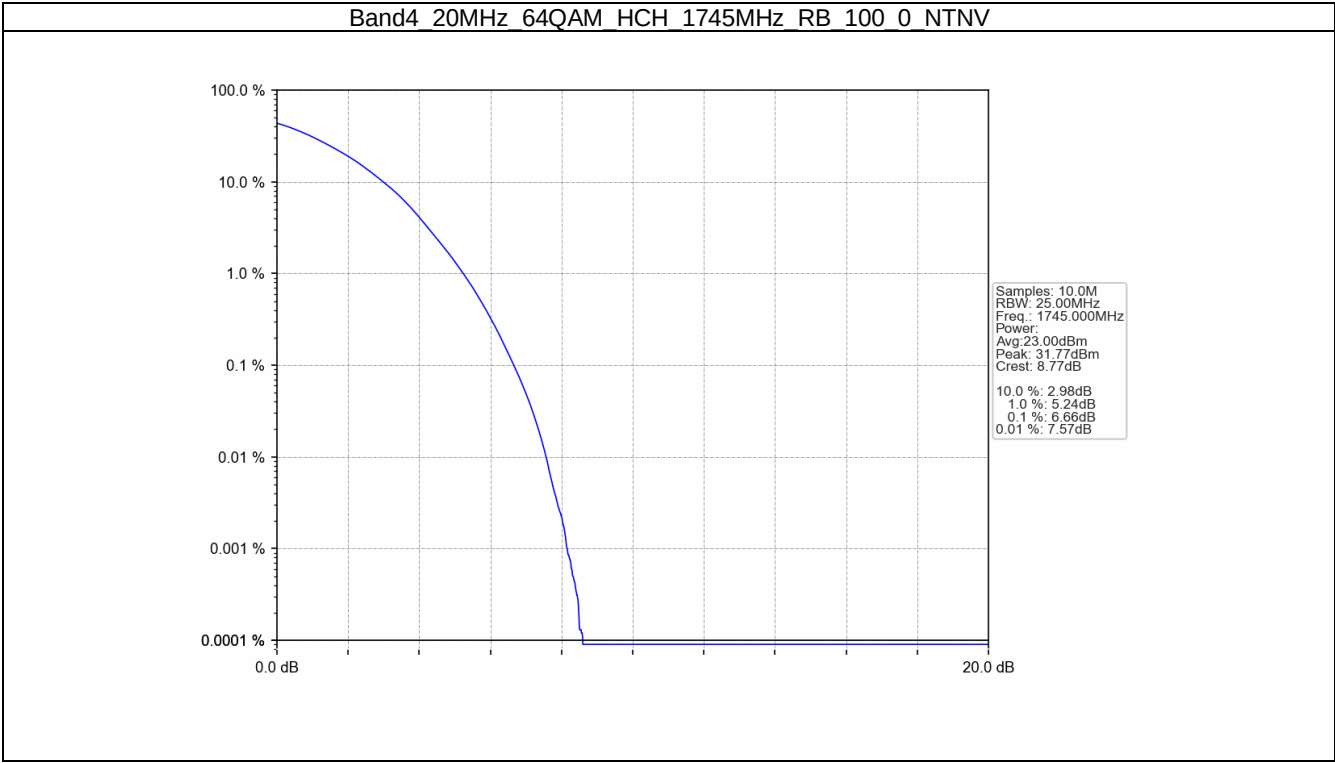




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4. Spurious Emission & Band Edges

4.1 B4_1.4MHz

4.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
64QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

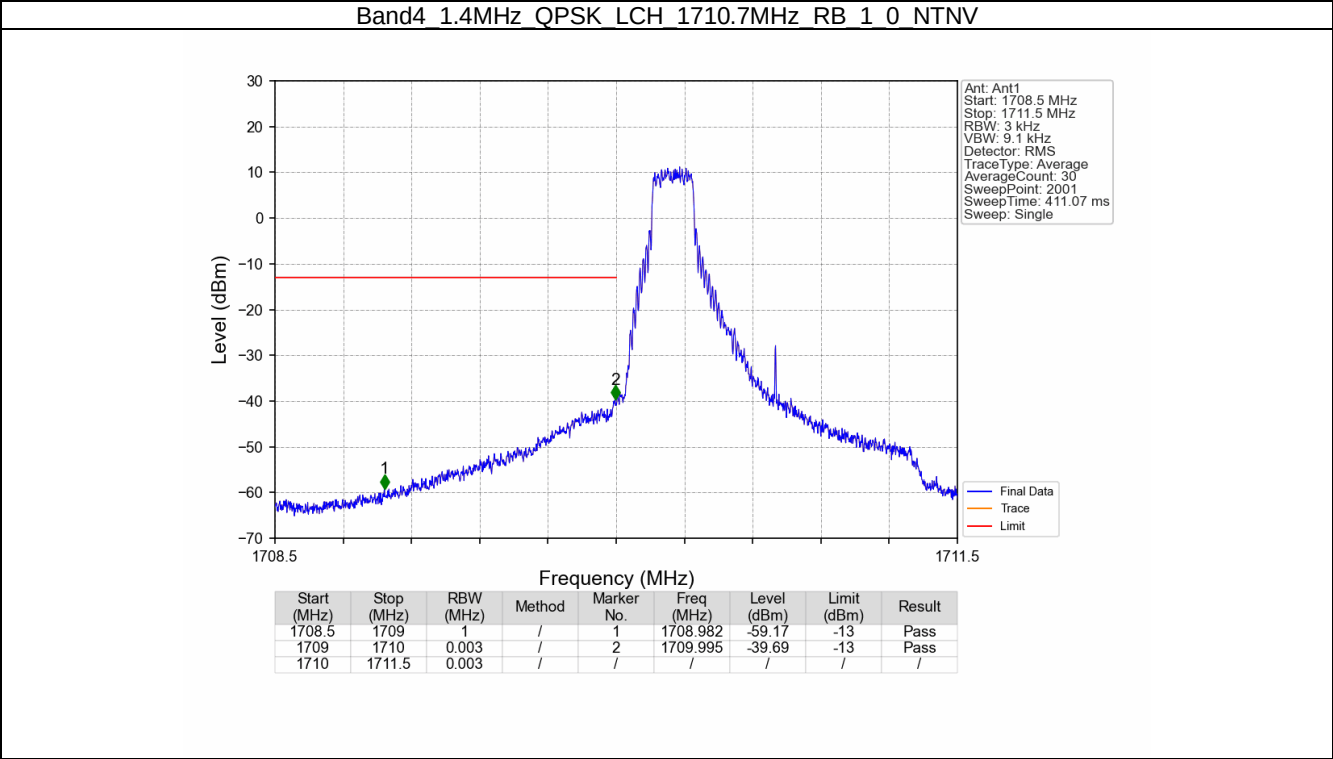


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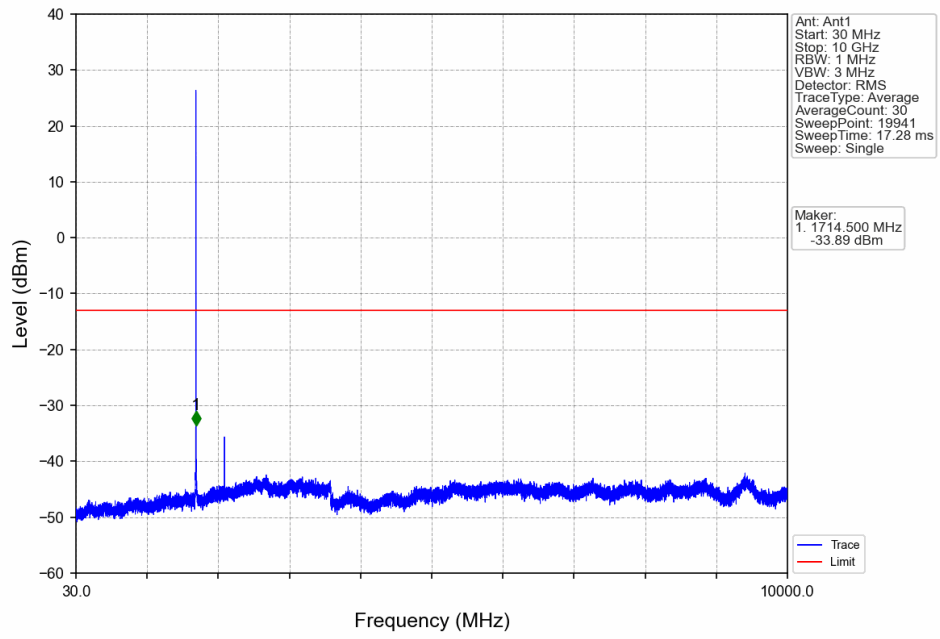
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4.1.2 Test Graph



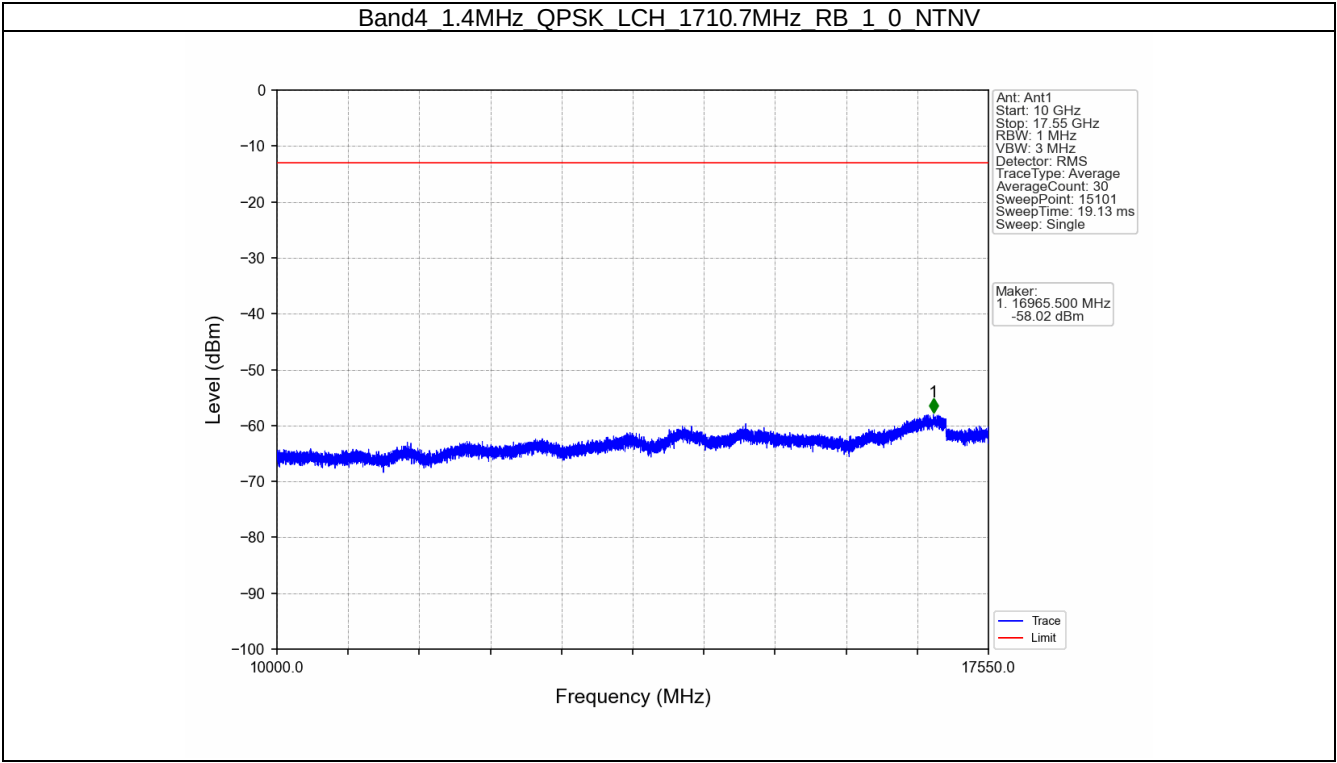
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



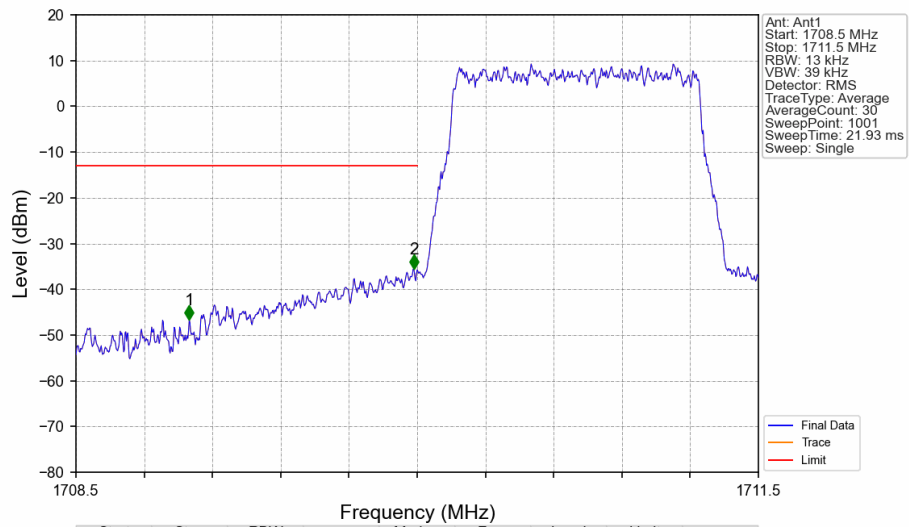


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Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



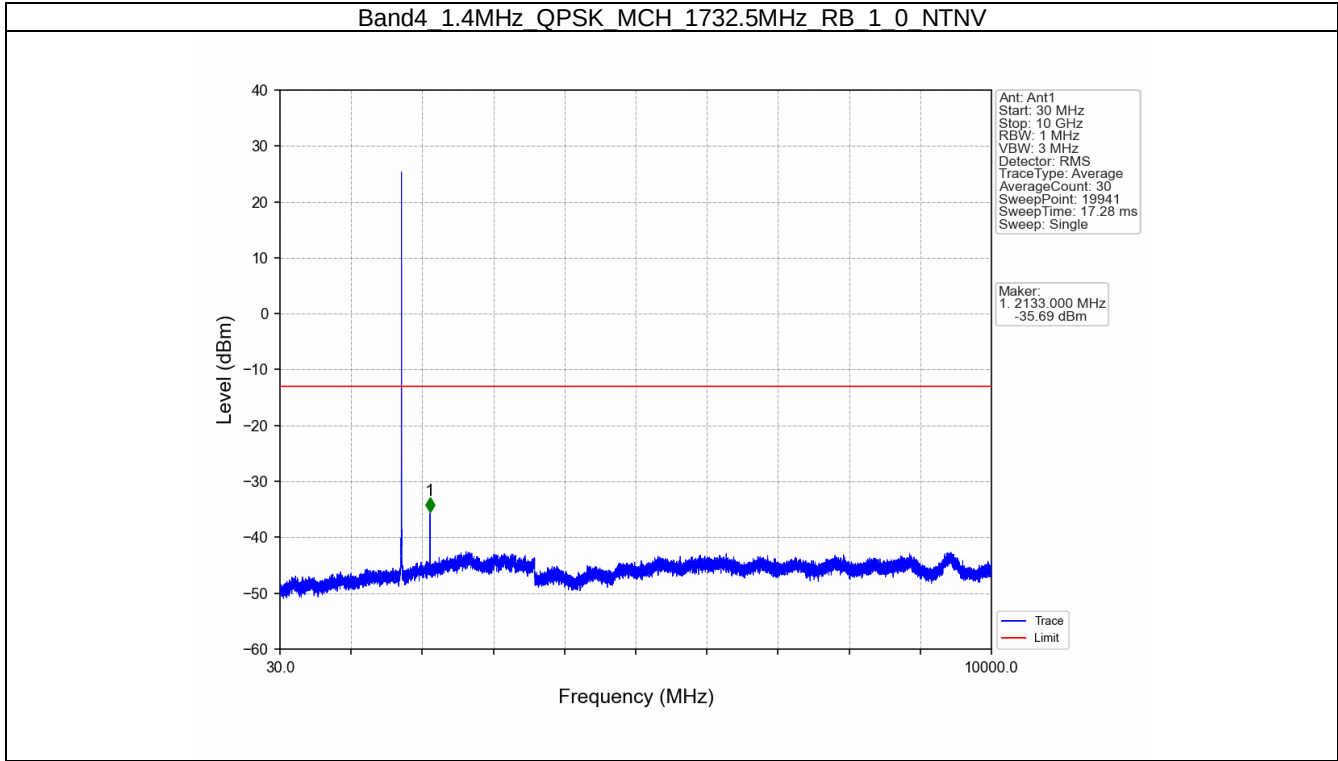
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.998	-46.69	-13	Pass
1709	1710	0.013	/	2	1709.985	-35.53	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/



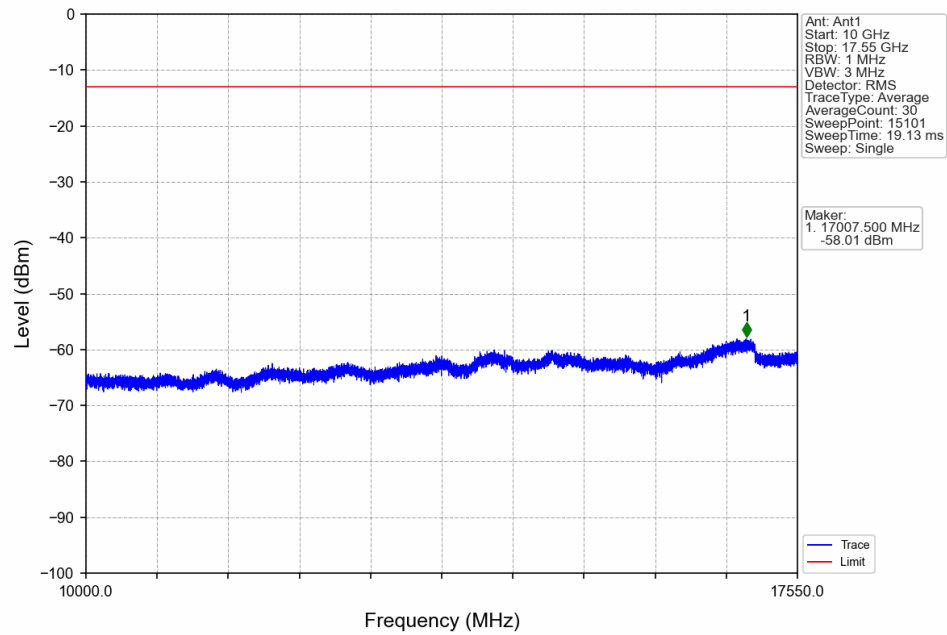
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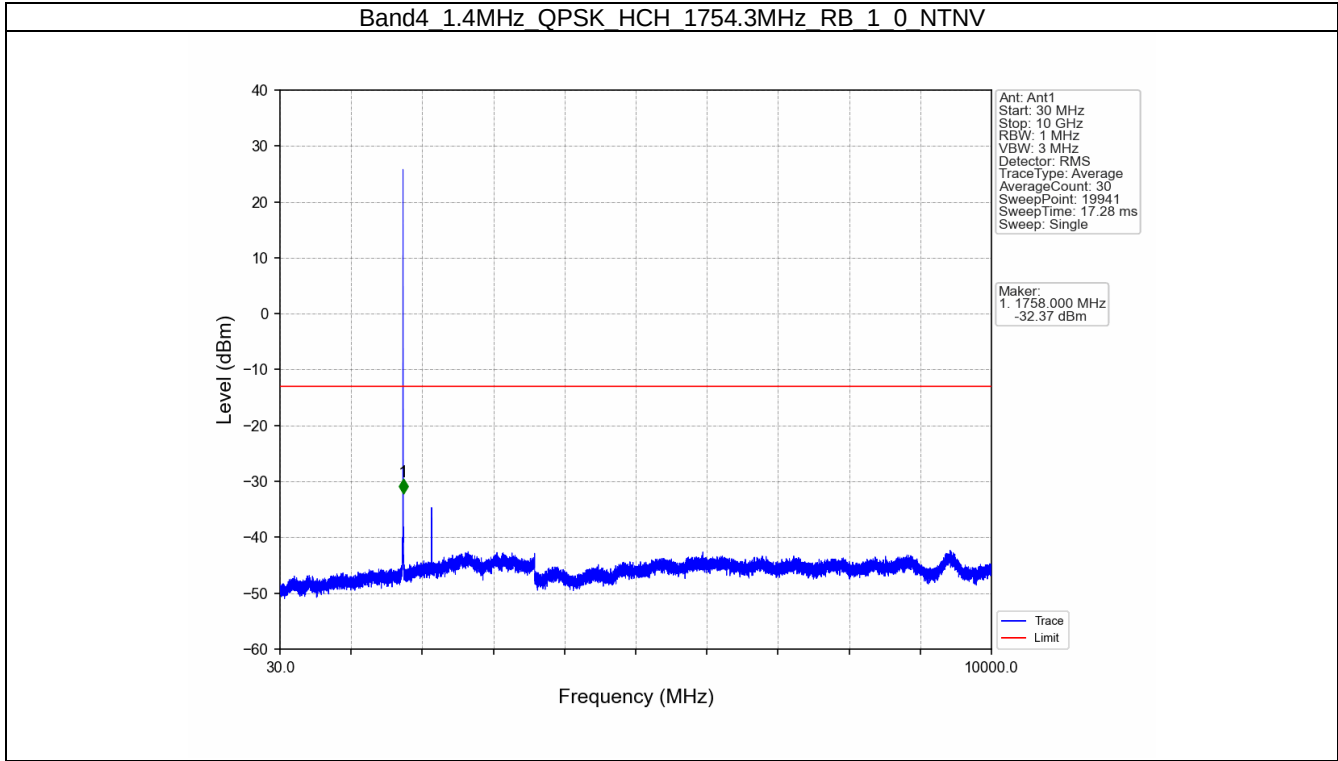
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV





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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

