

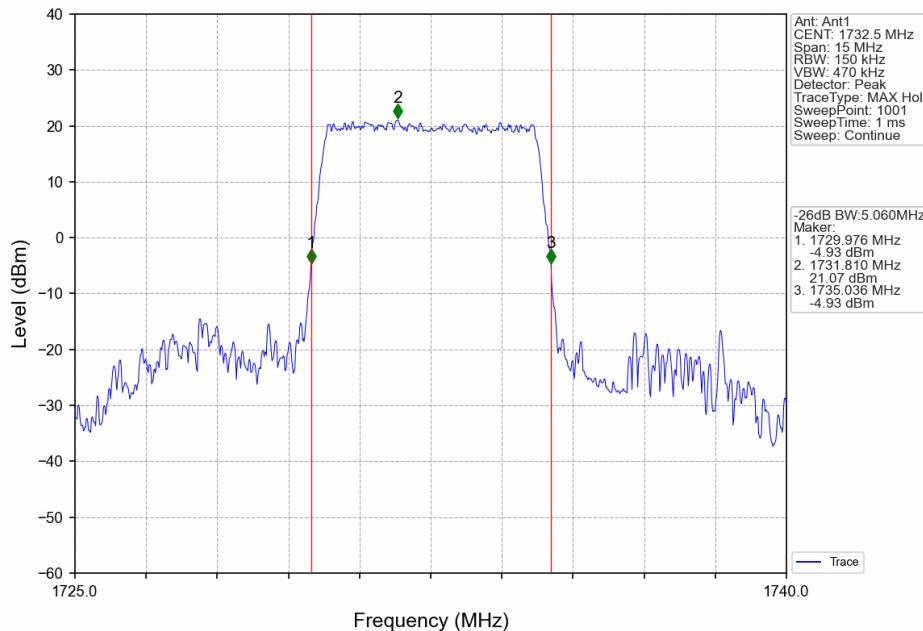


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Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



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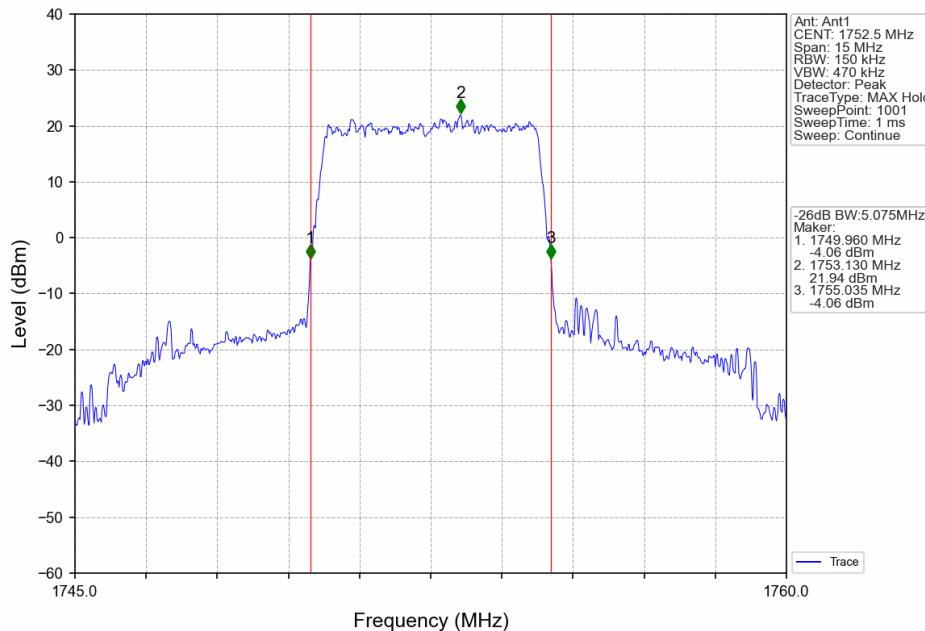


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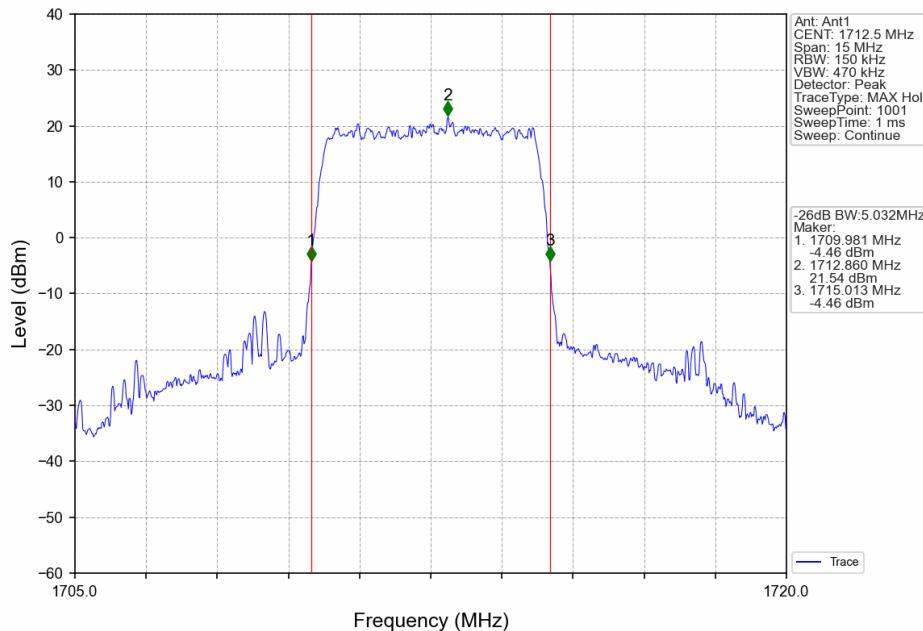


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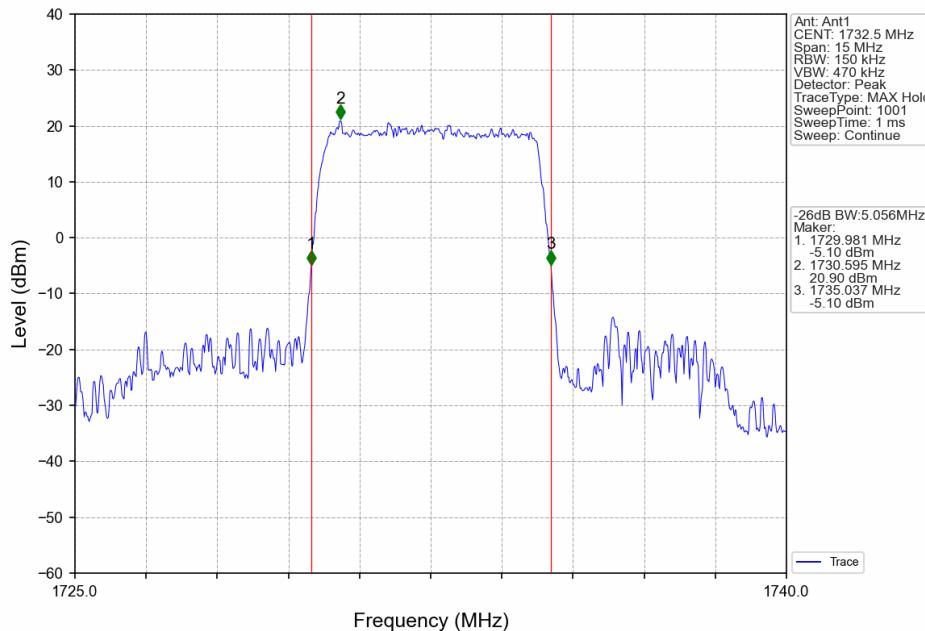


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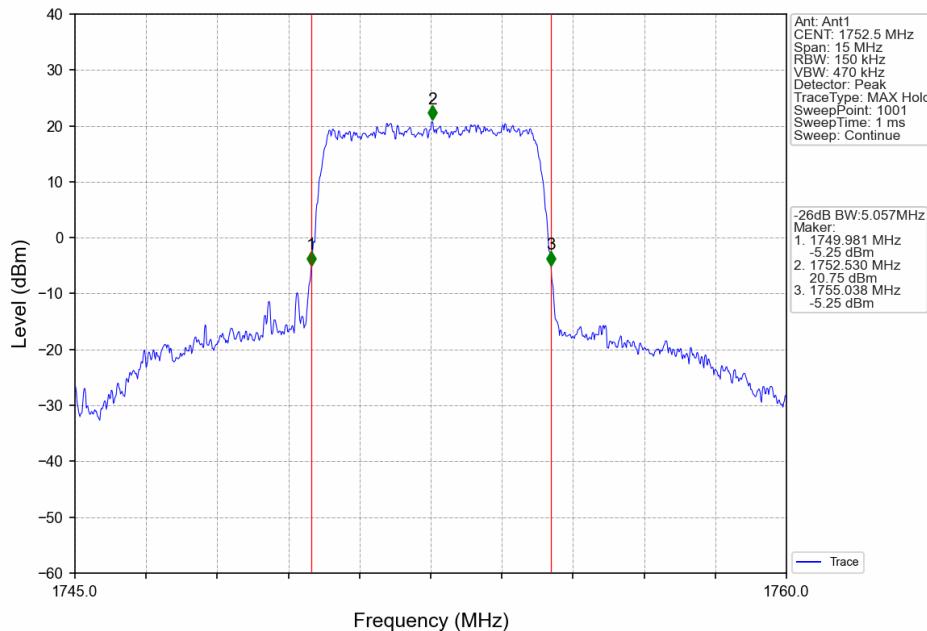


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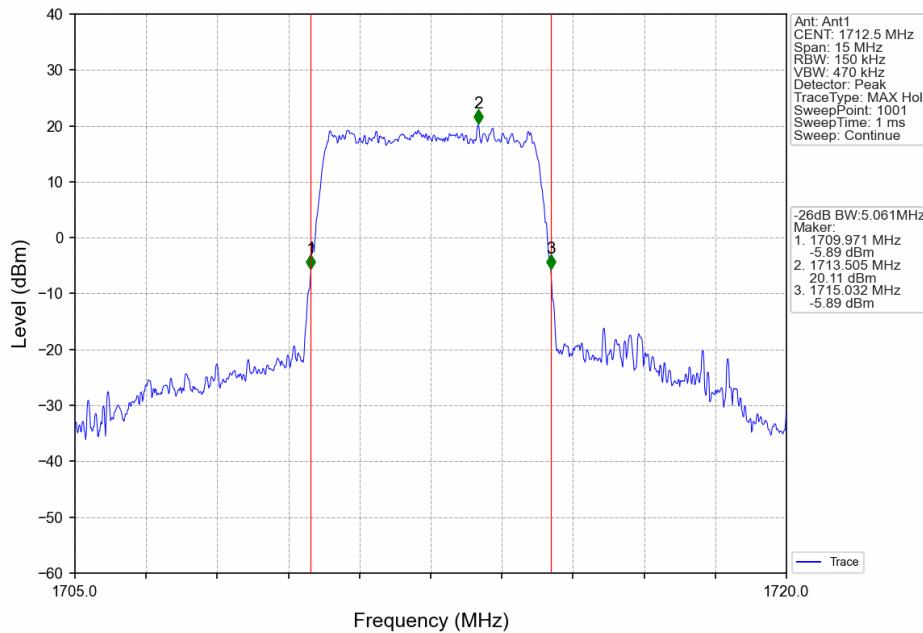


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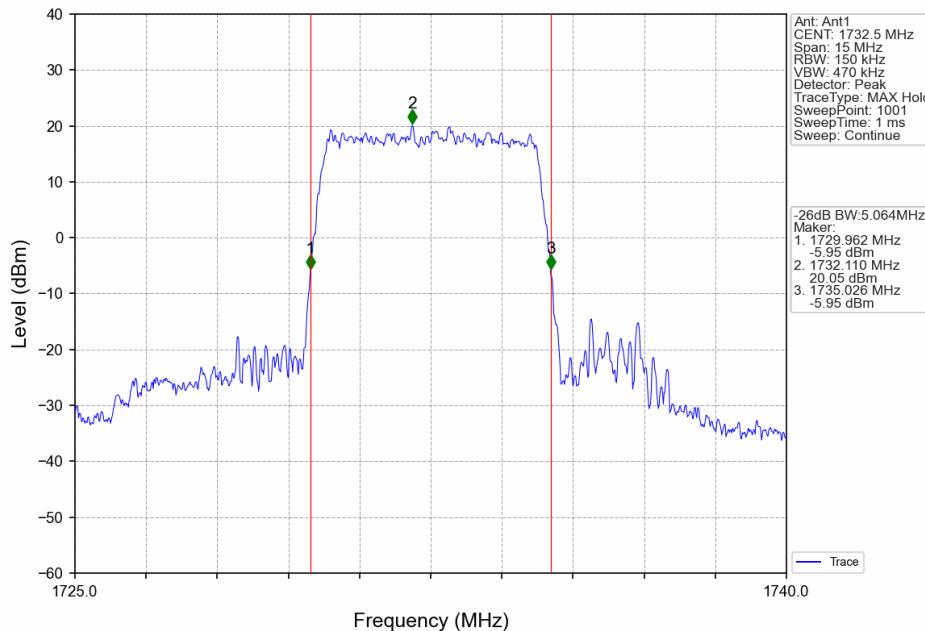


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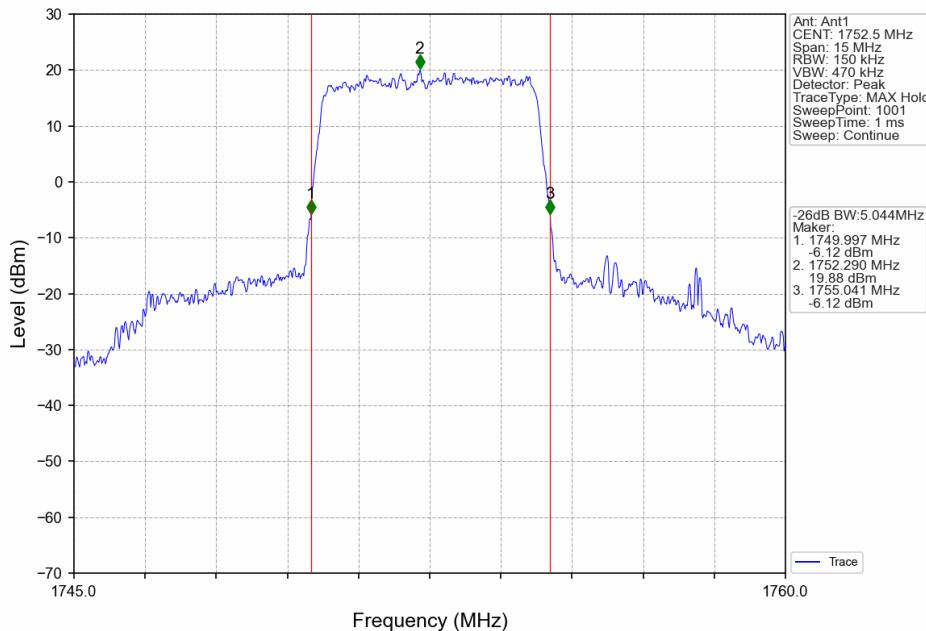
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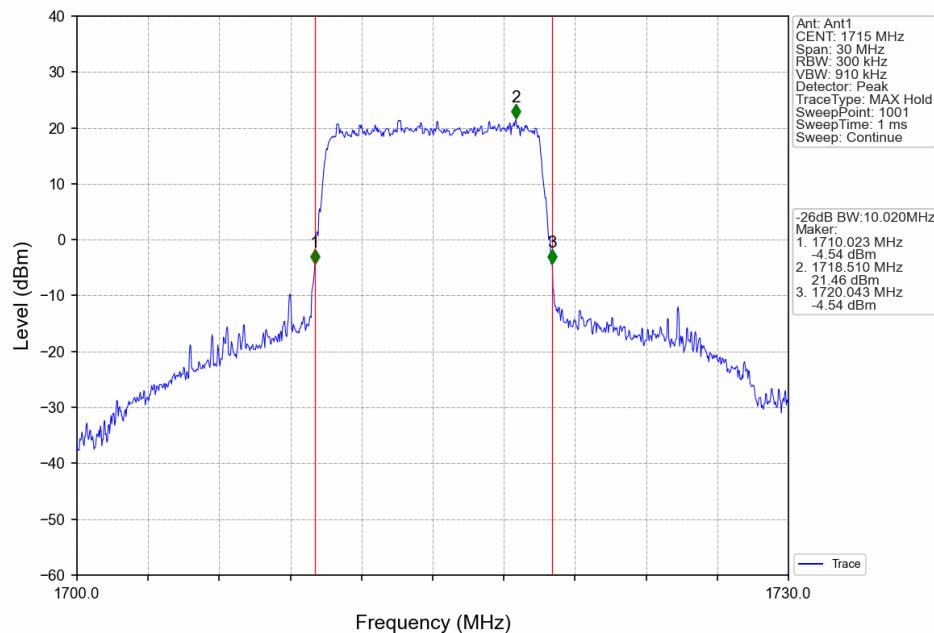
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Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



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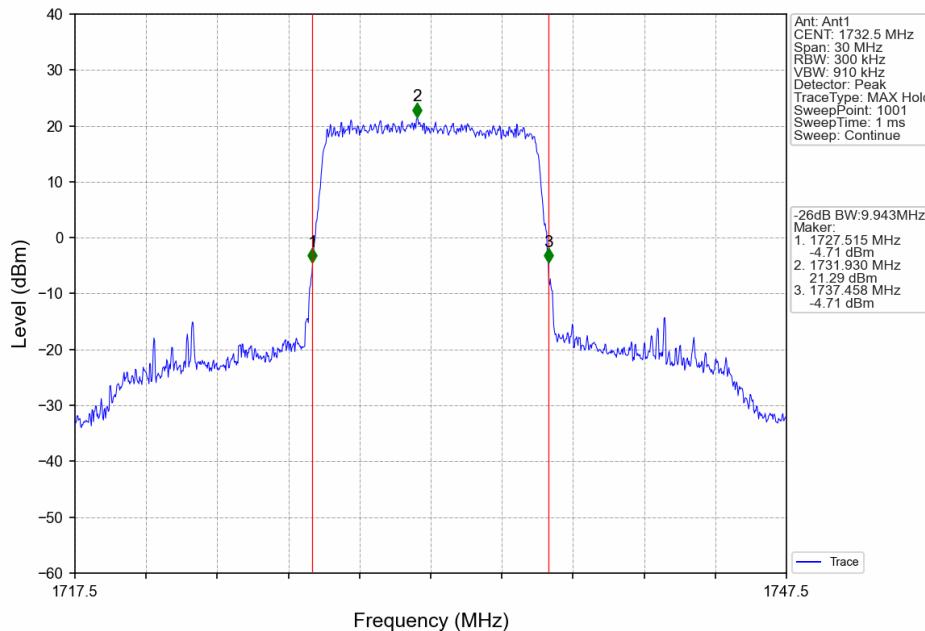


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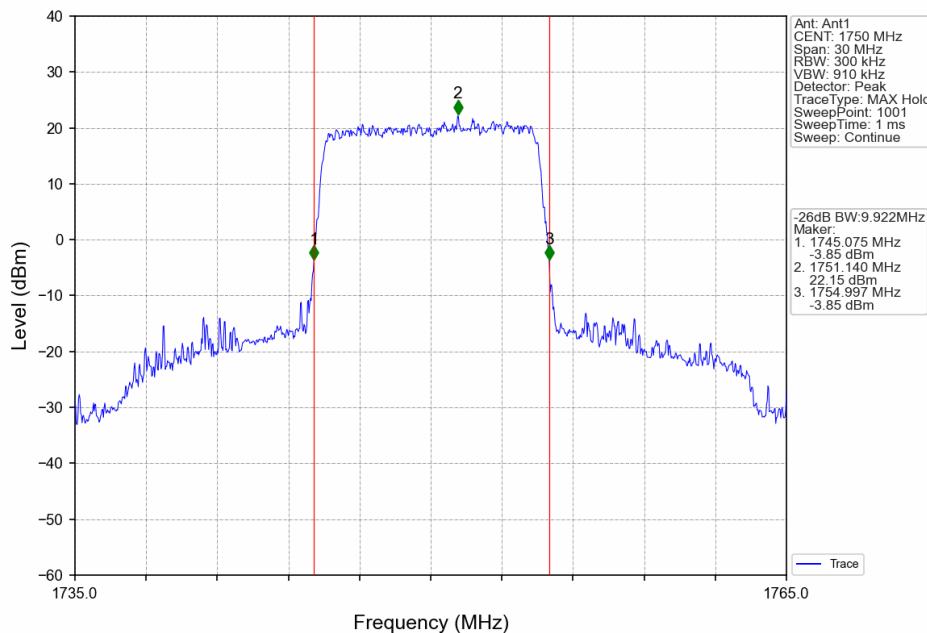


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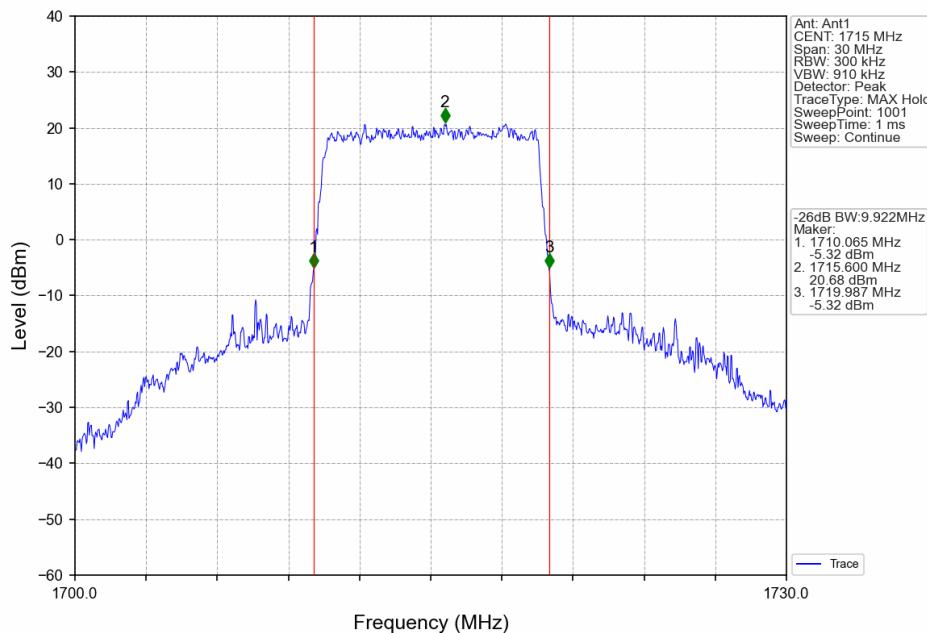
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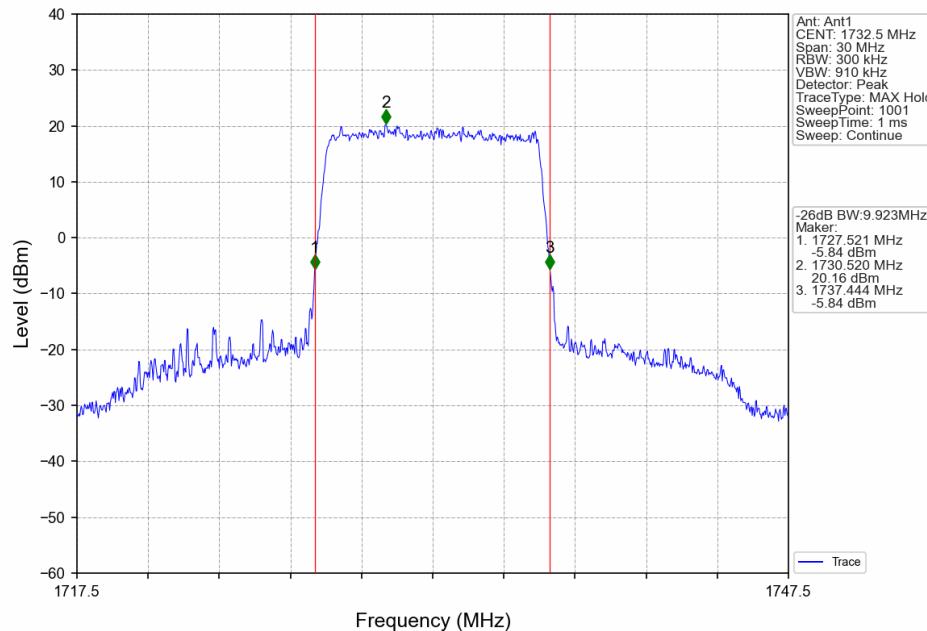


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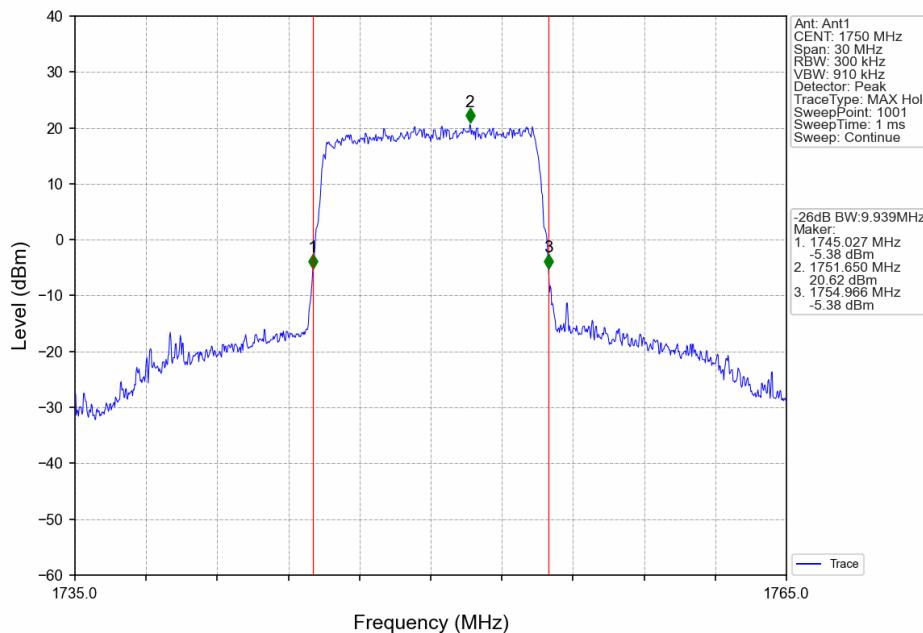
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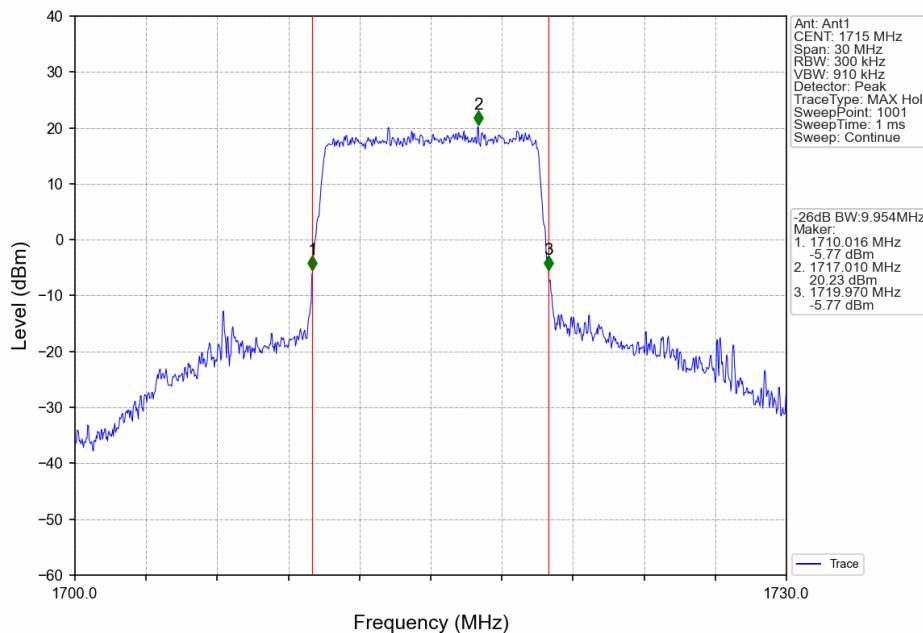


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Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



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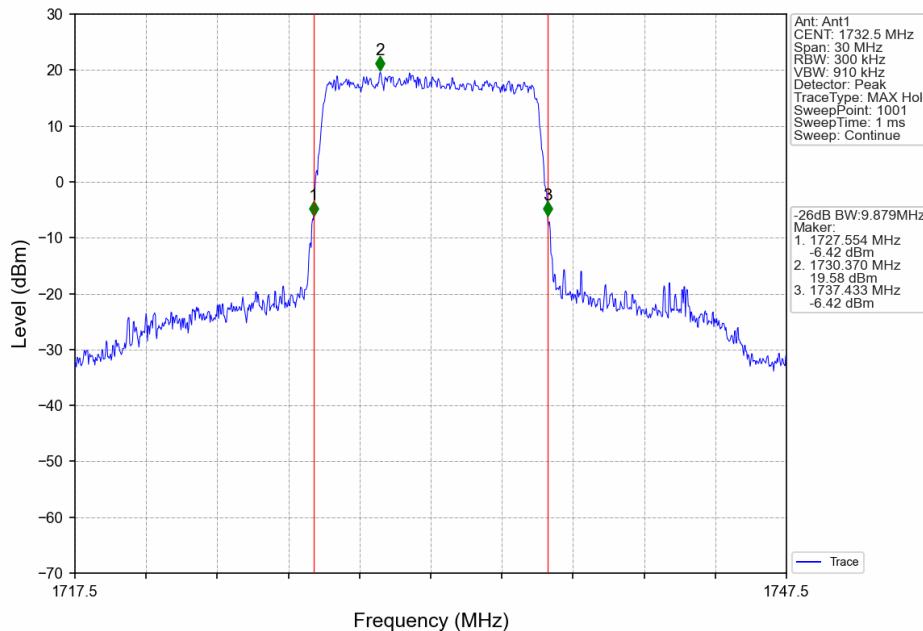


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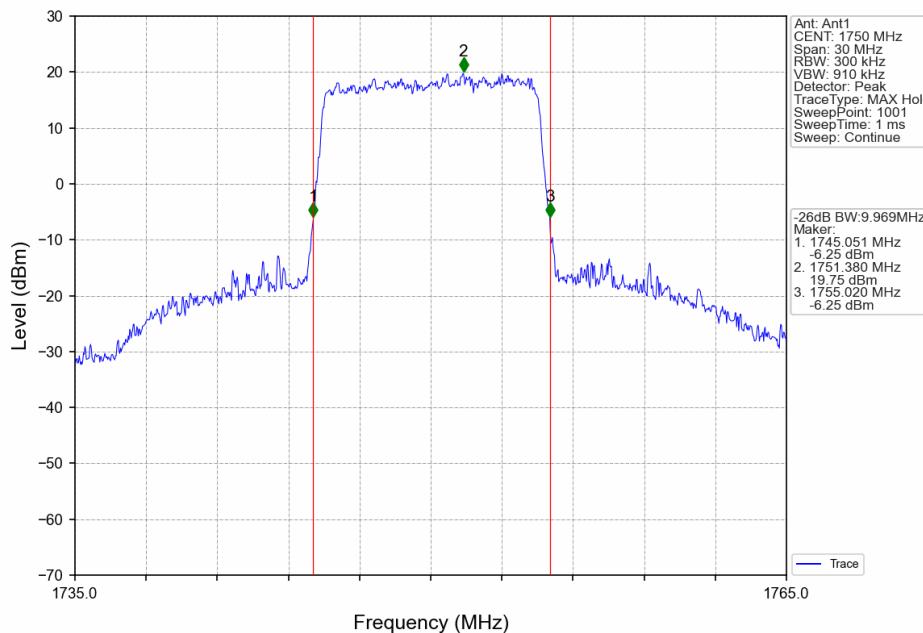


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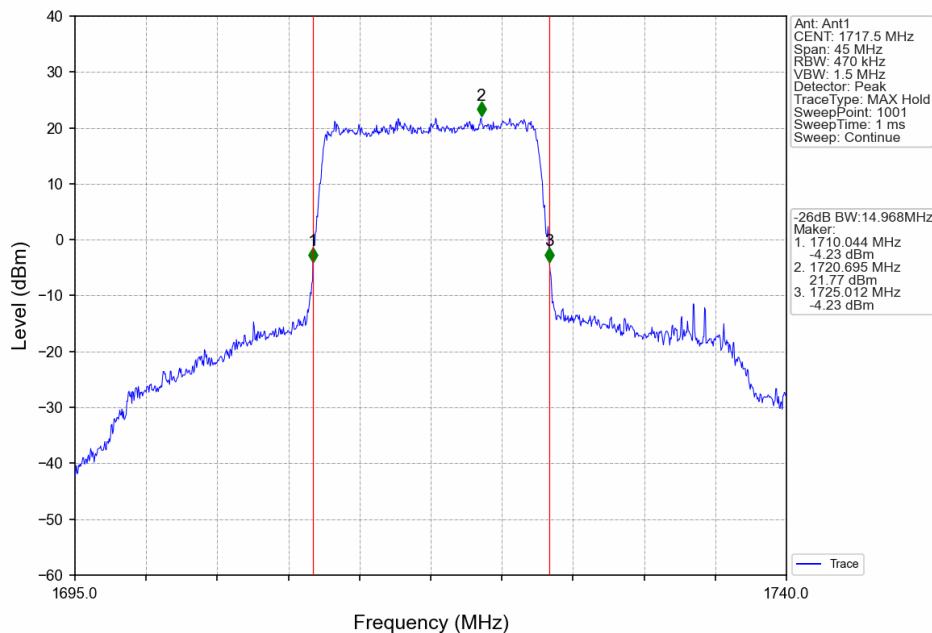


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Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



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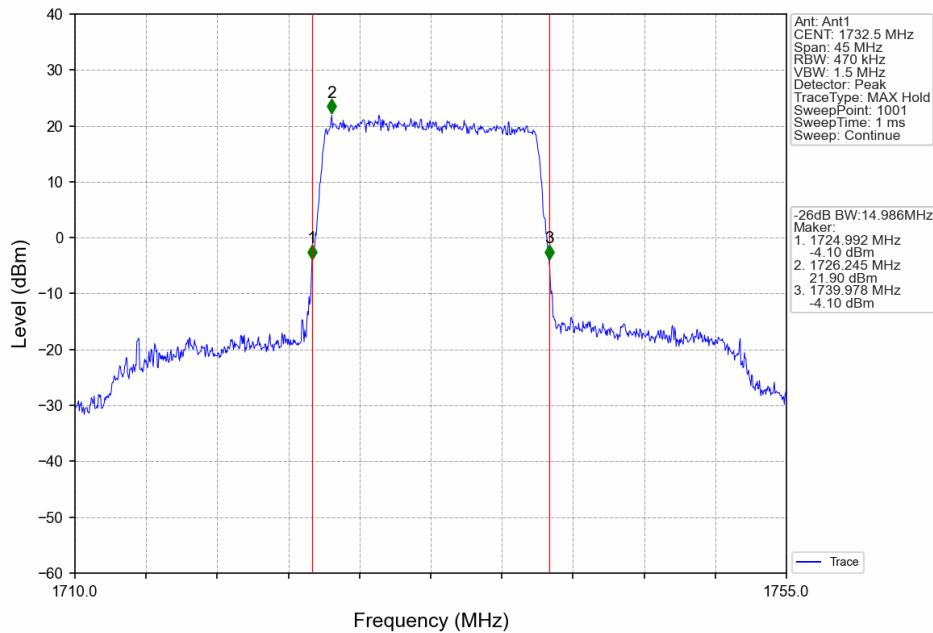


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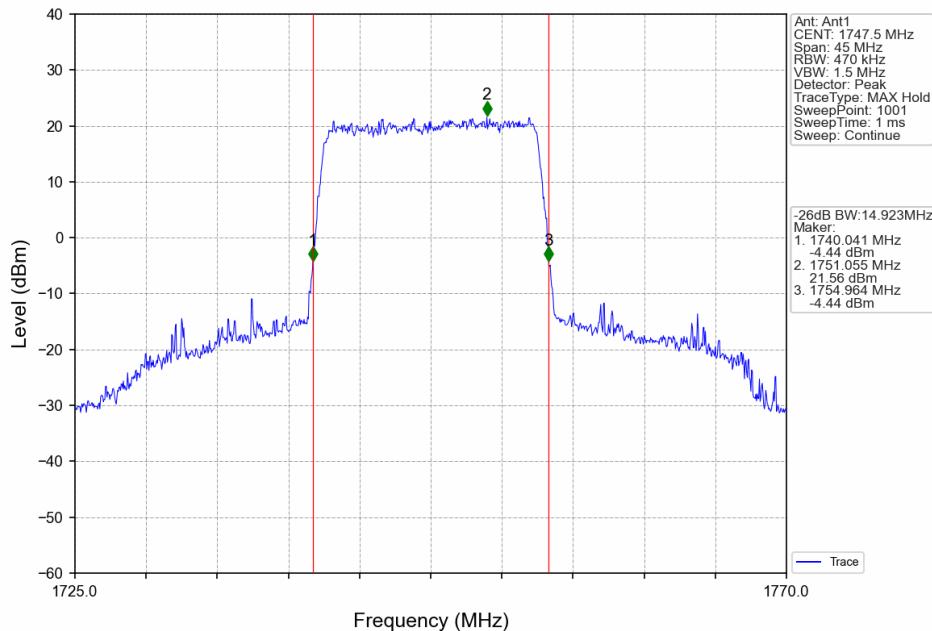


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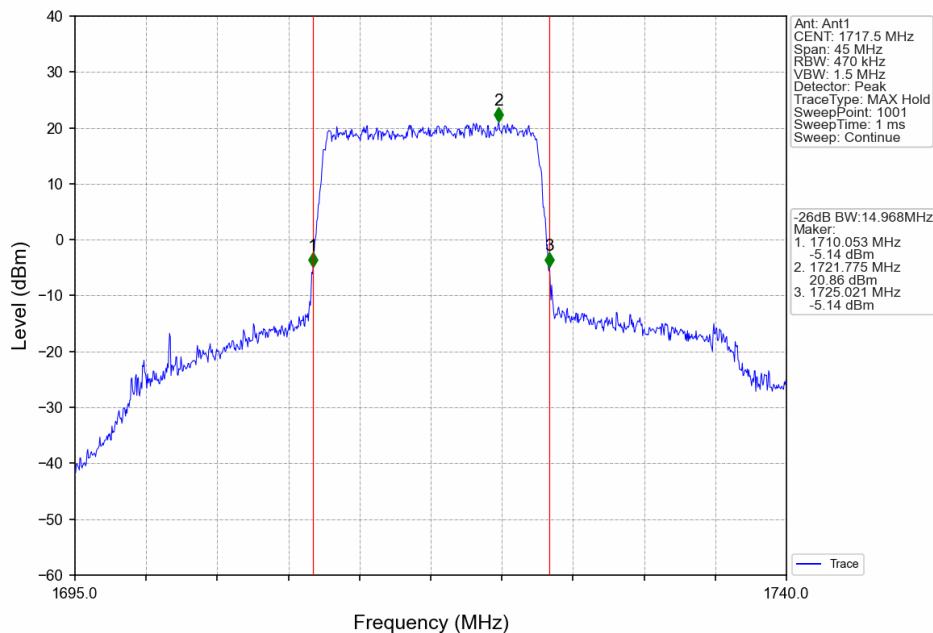


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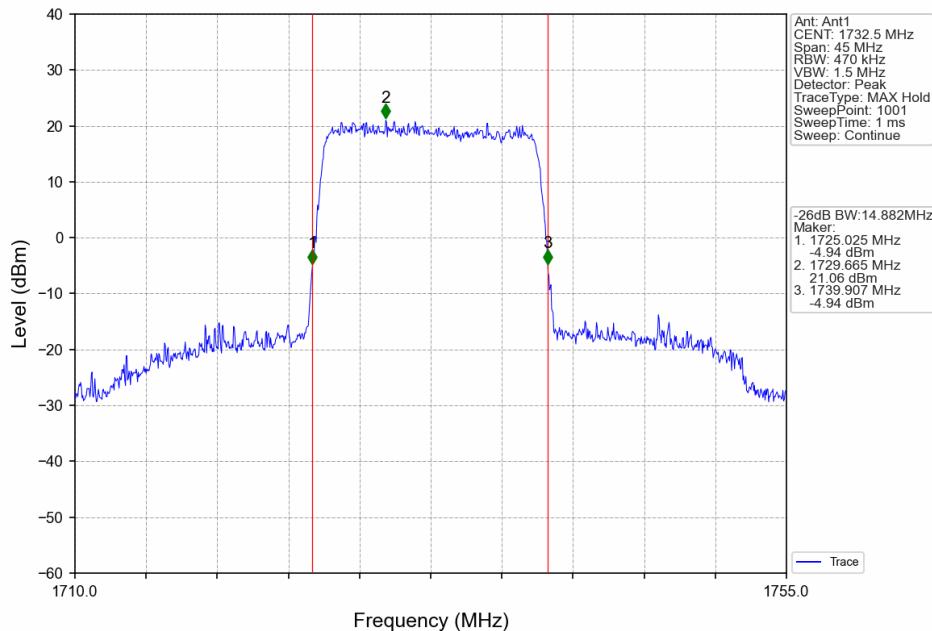


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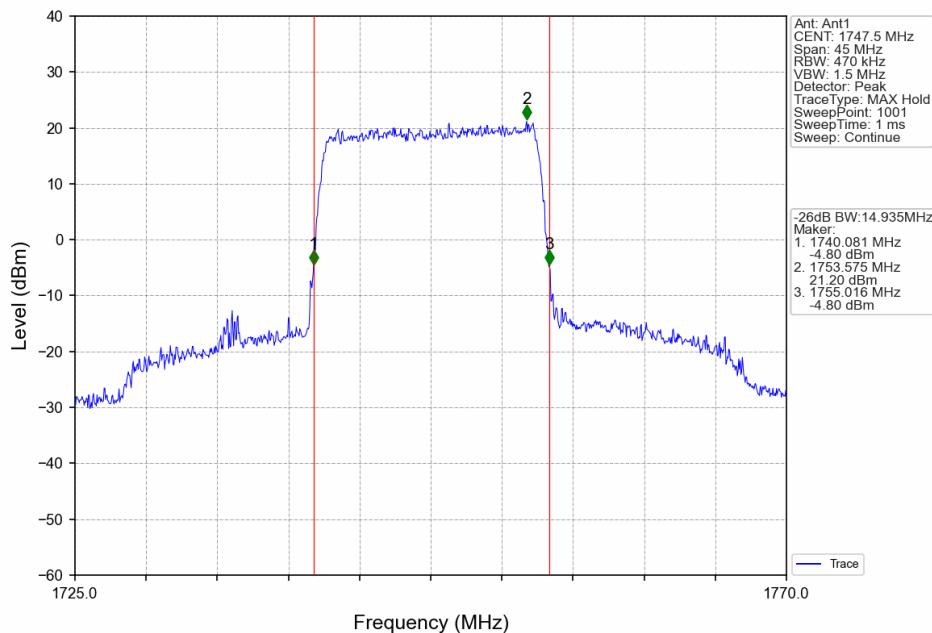


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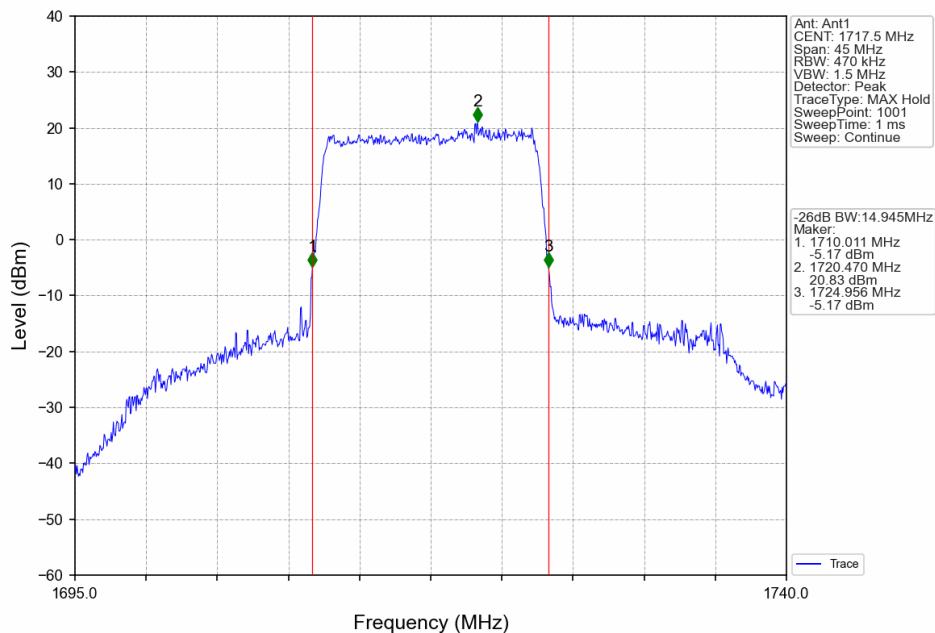
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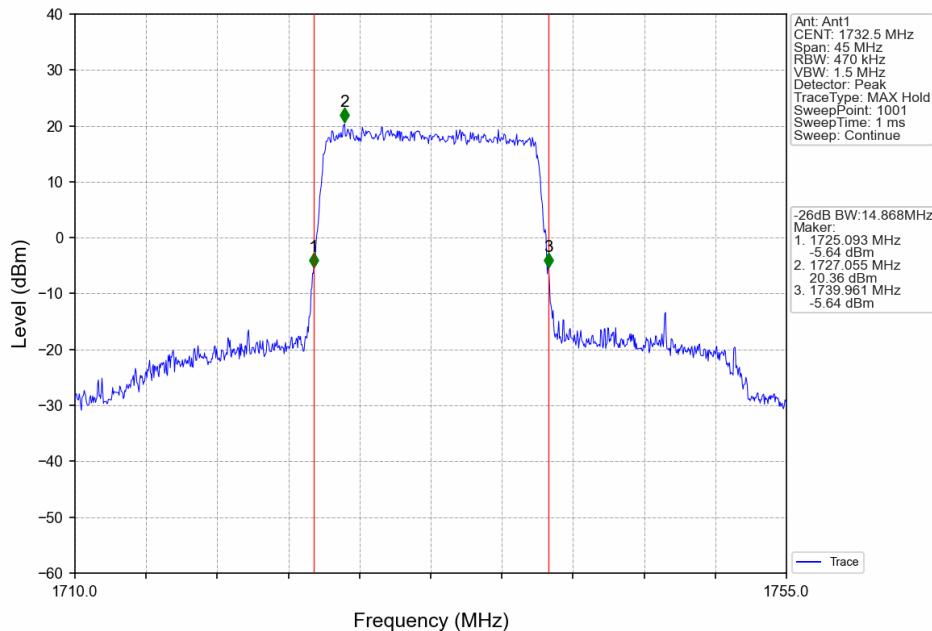


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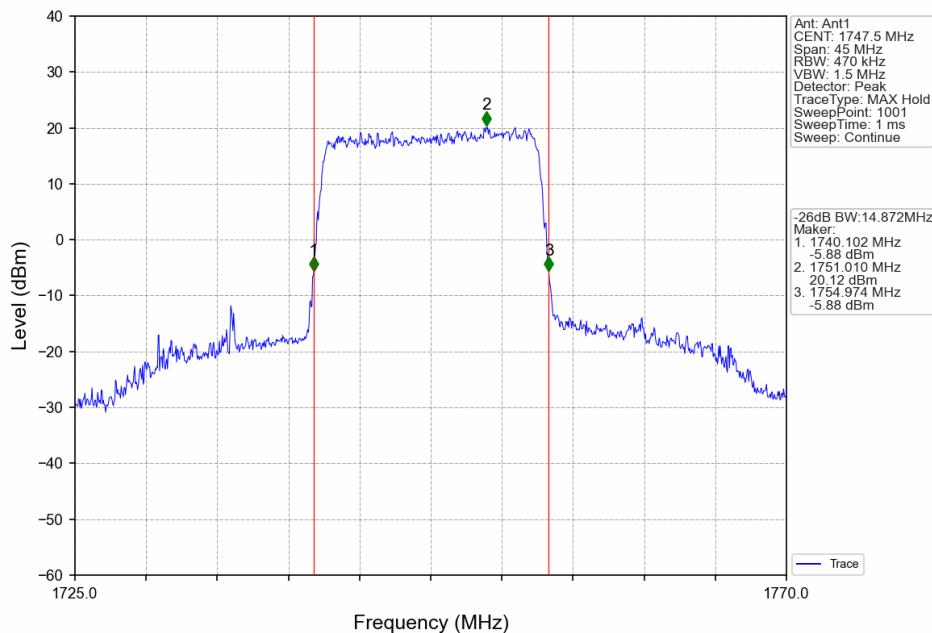


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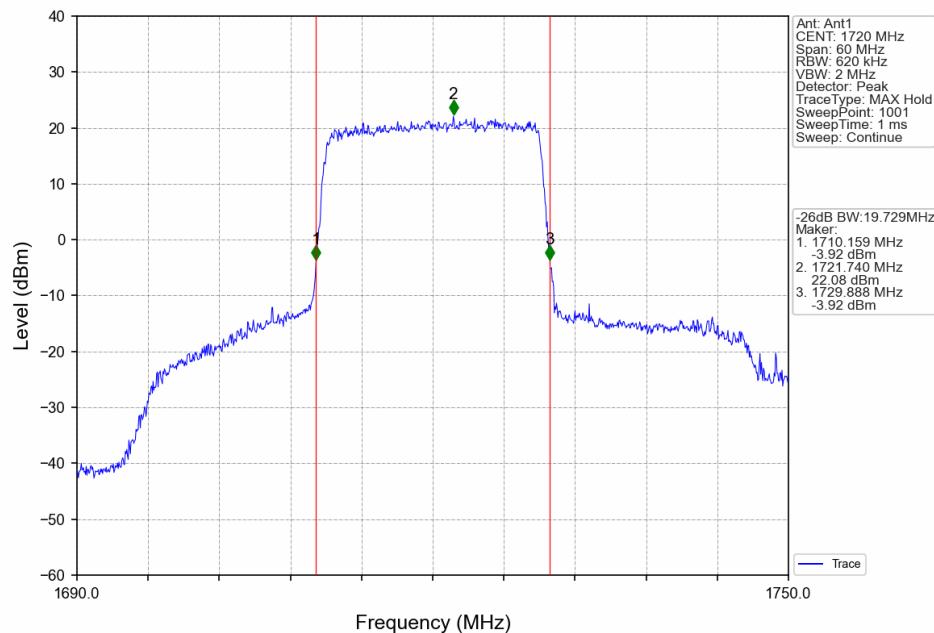


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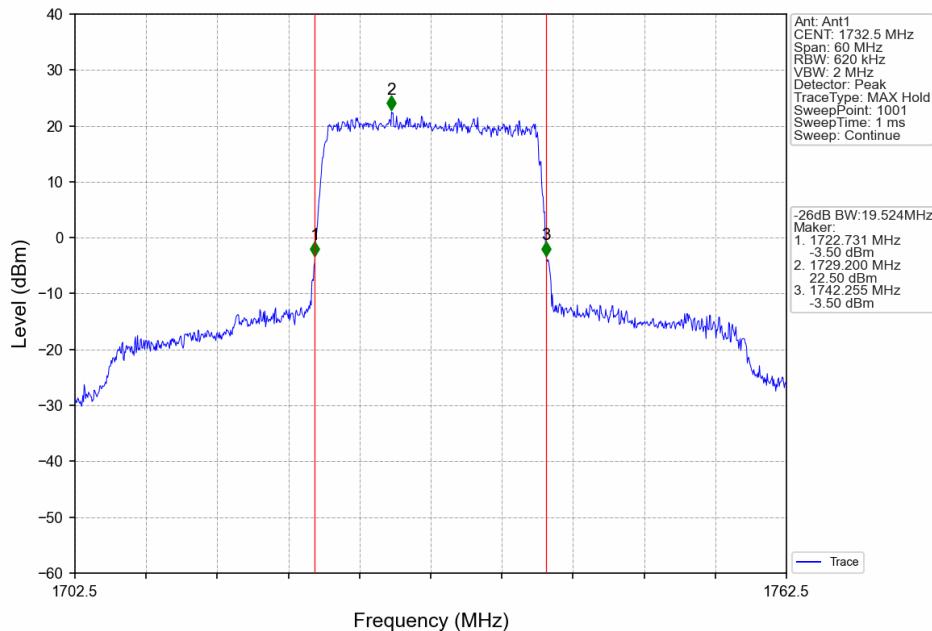


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Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



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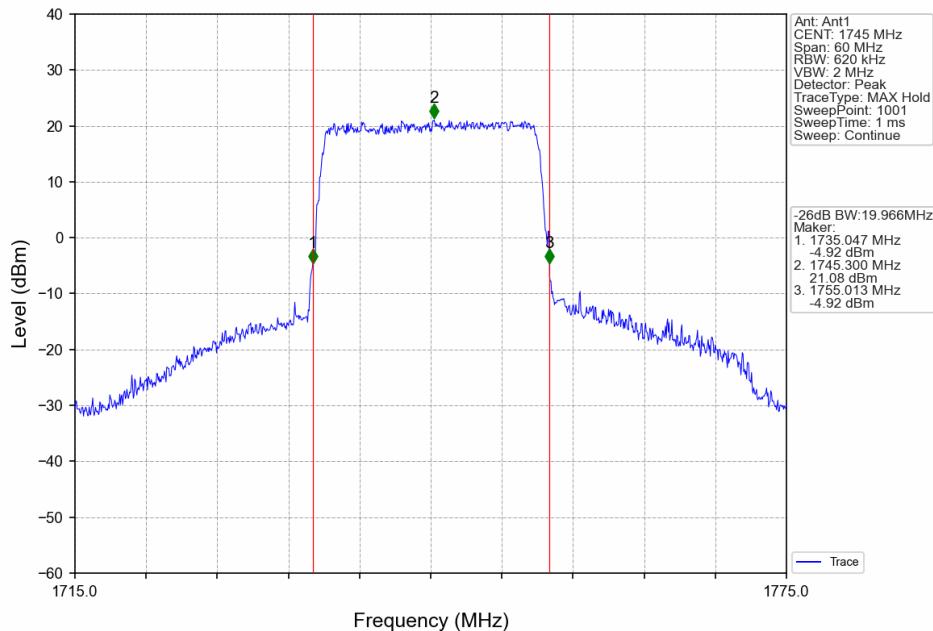
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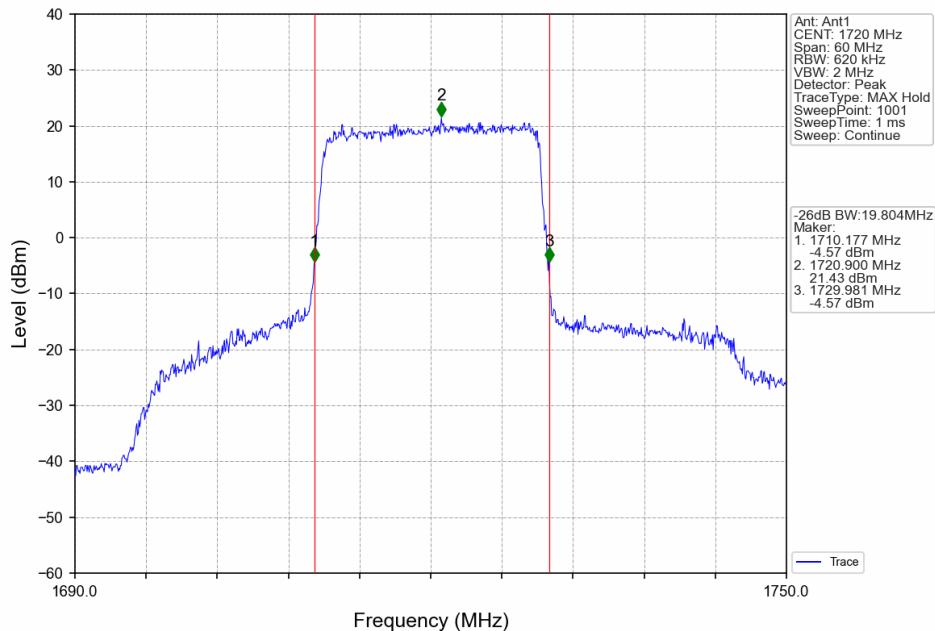


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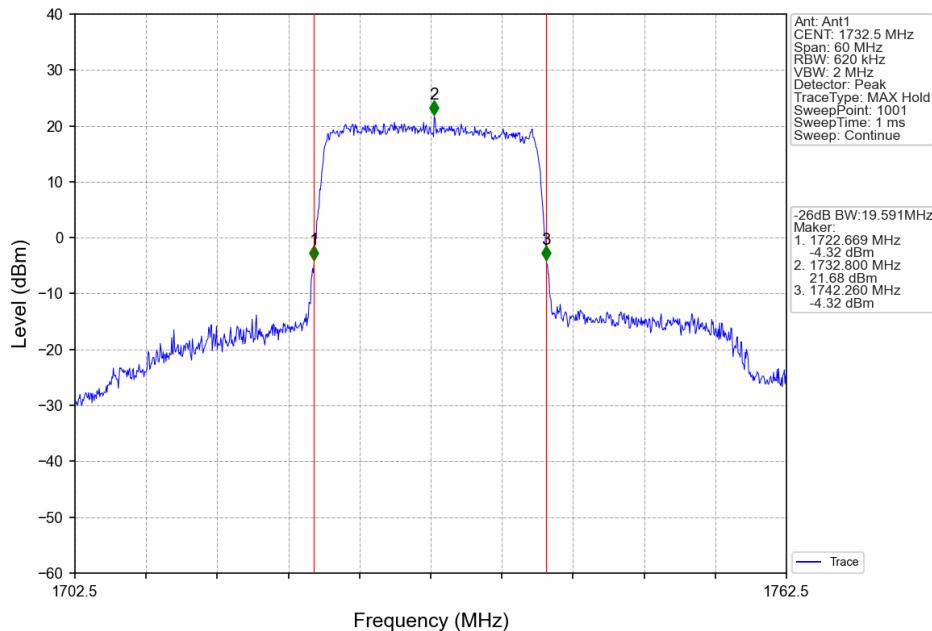


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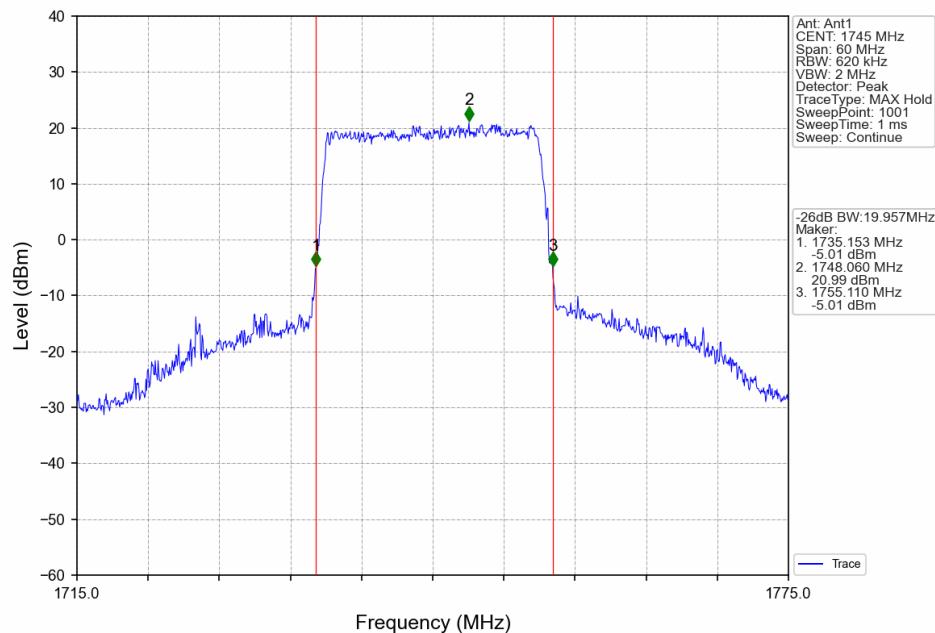


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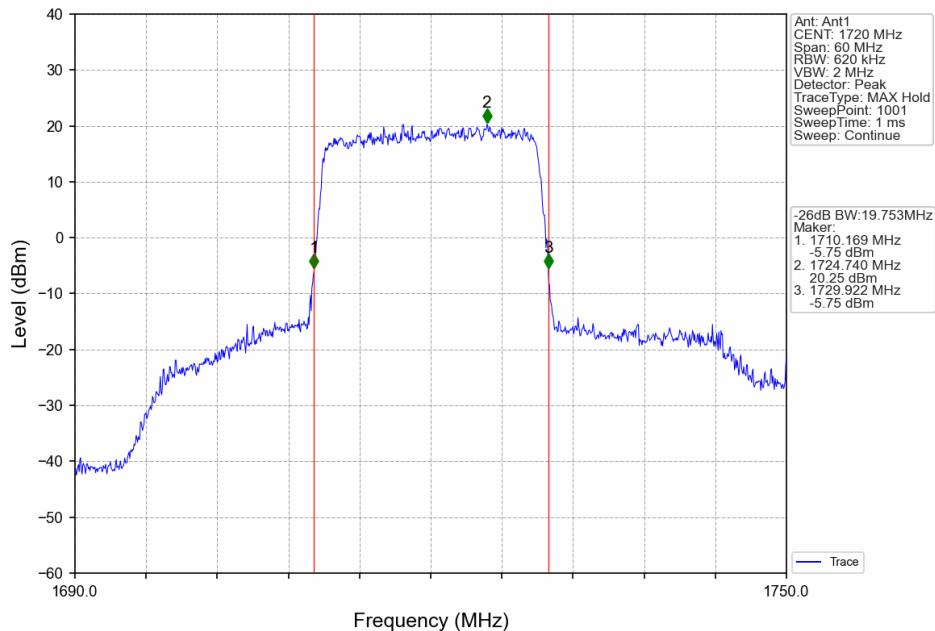


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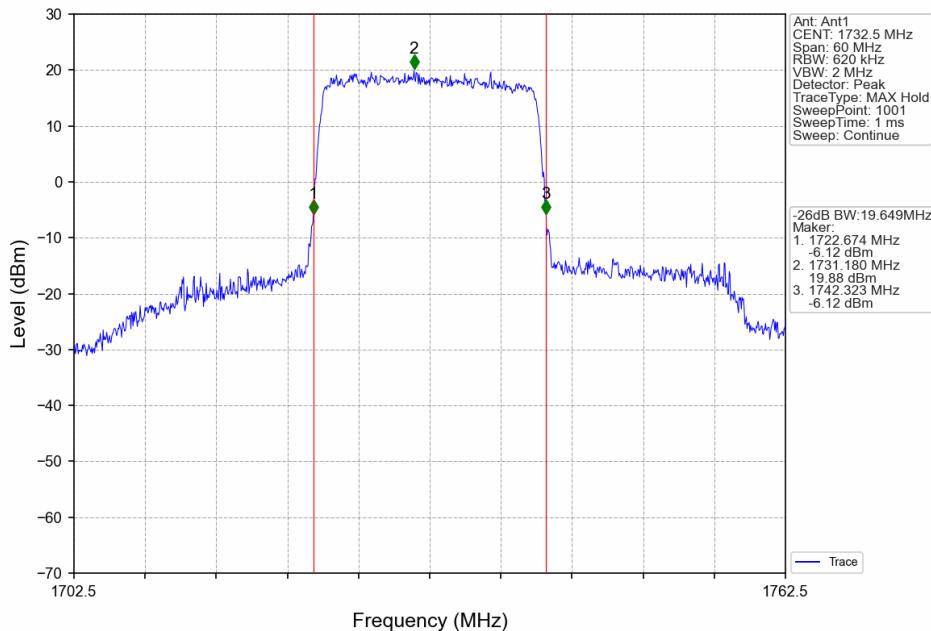


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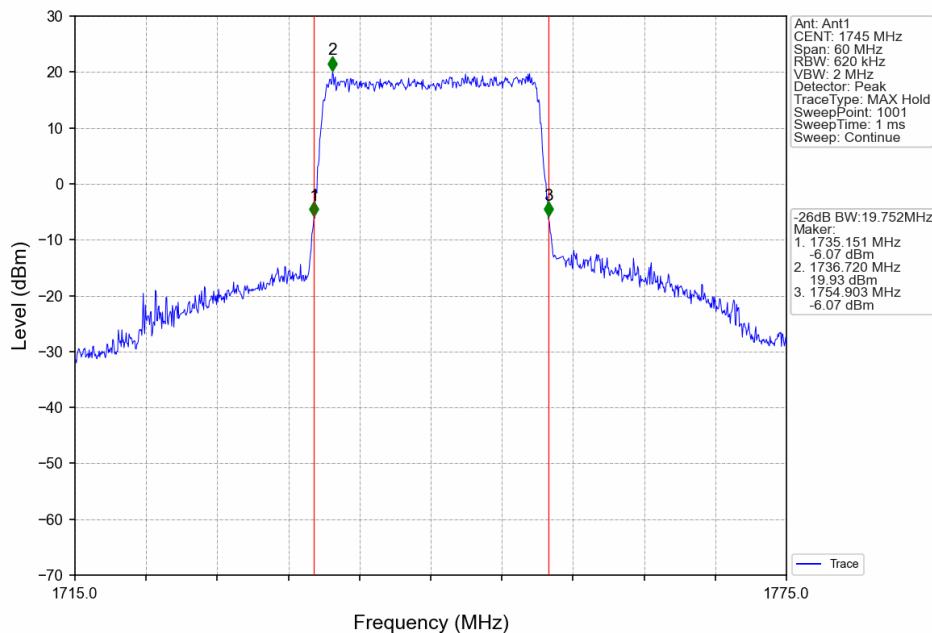


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3. Peak-Average Ratio

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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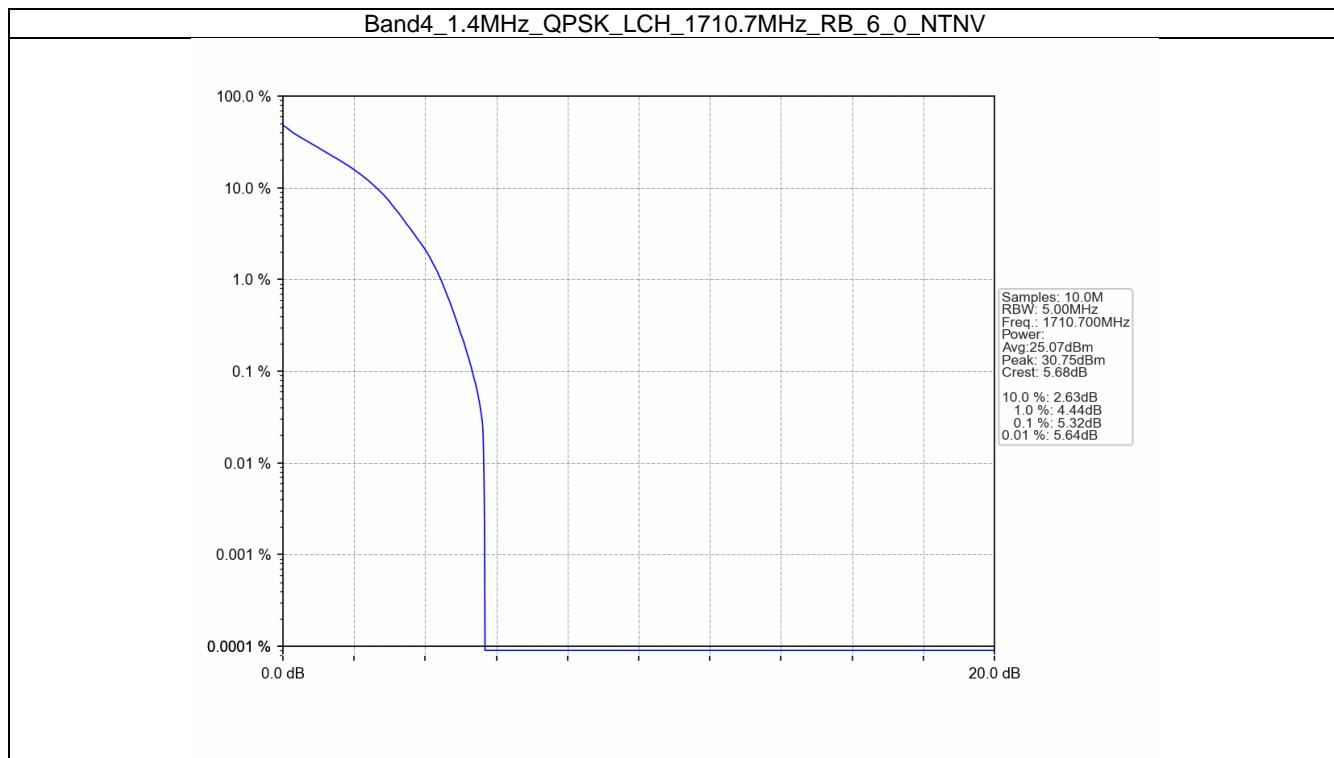
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3.1.2 Test Graph



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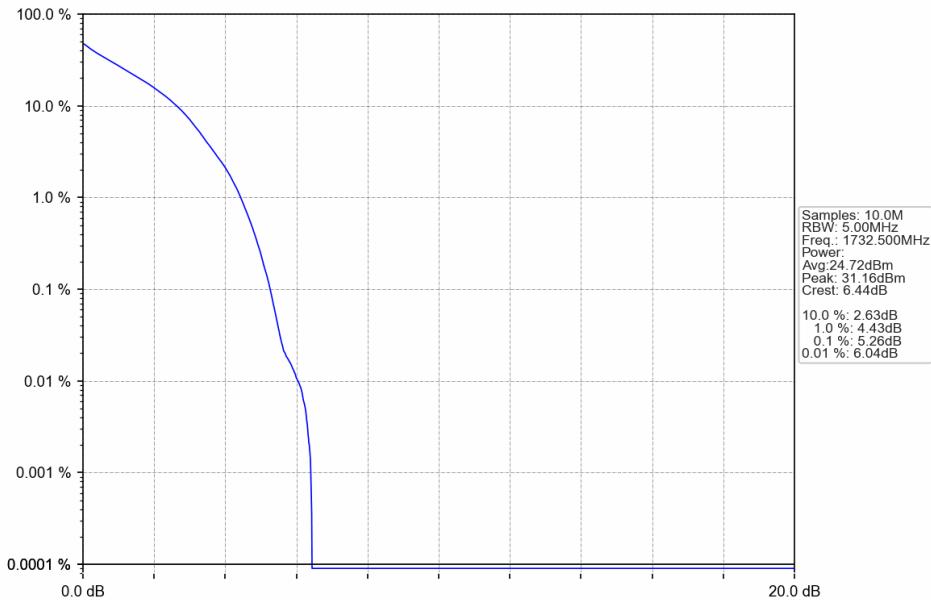


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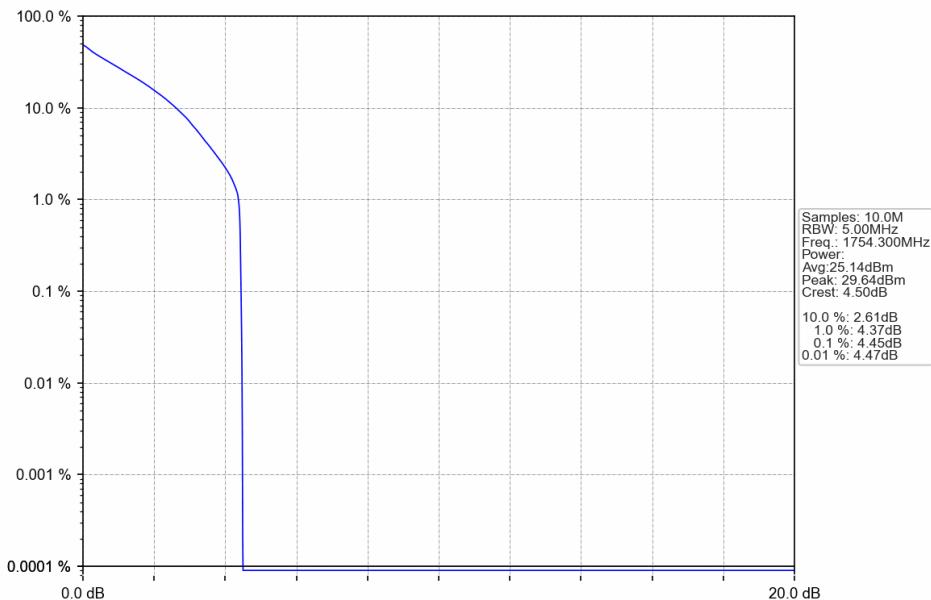


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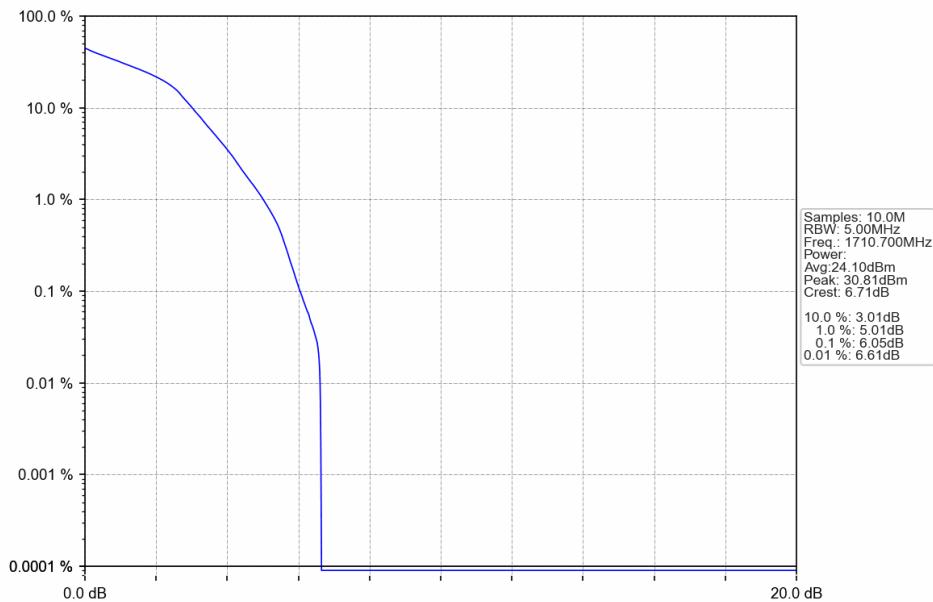


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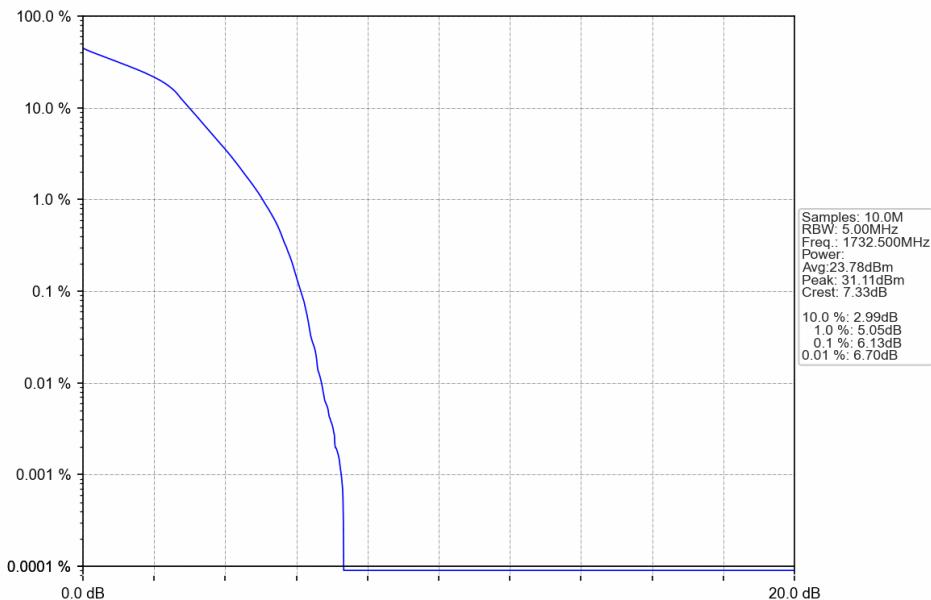


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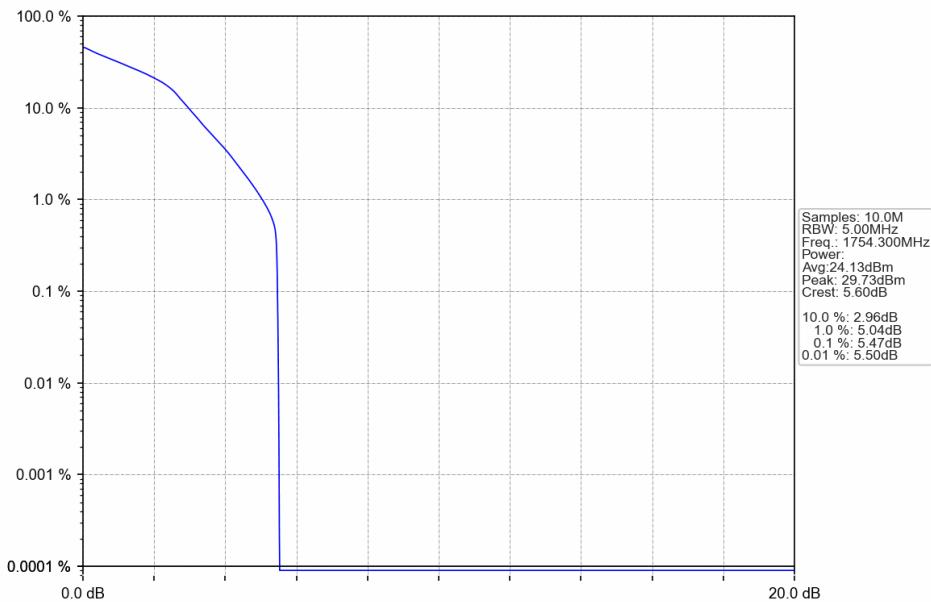


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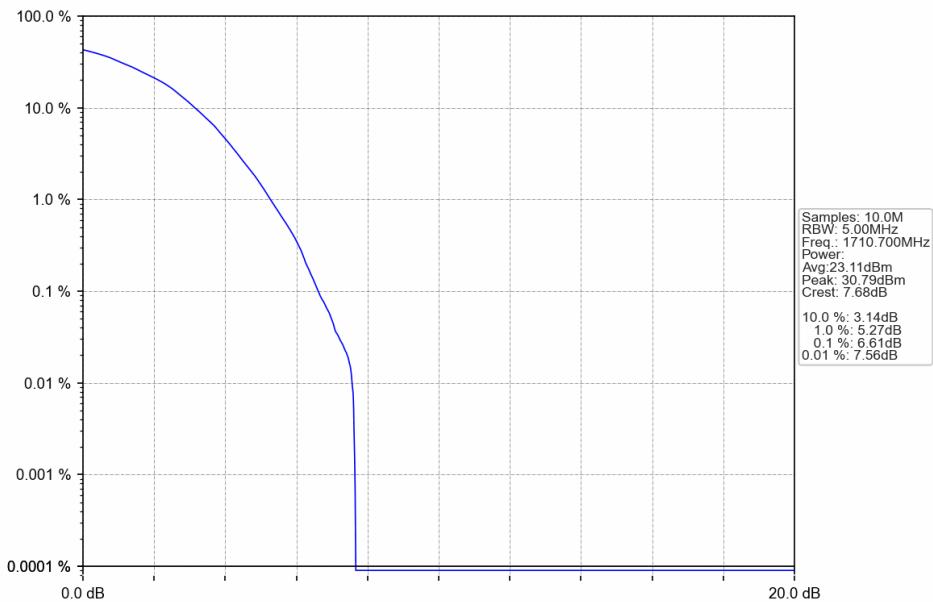


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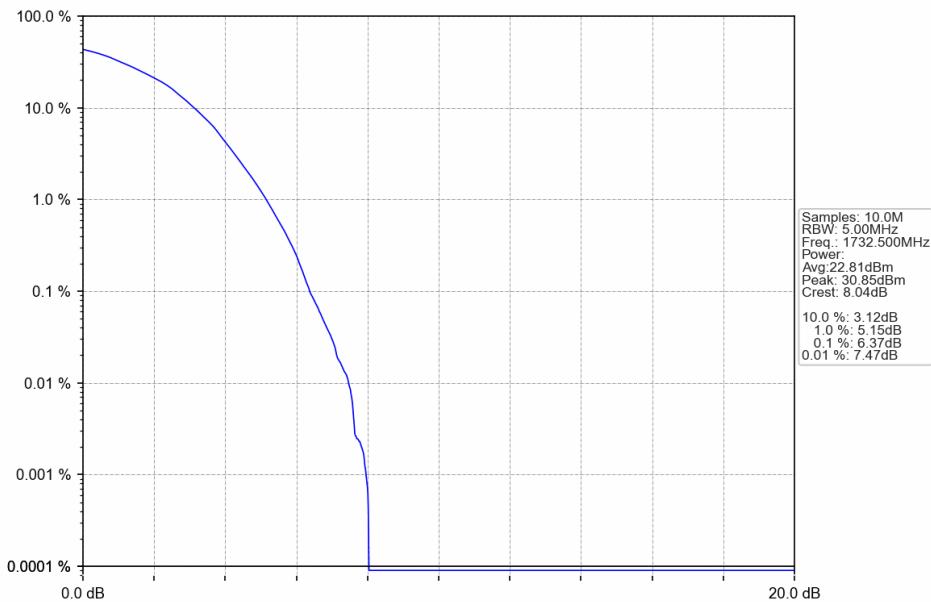


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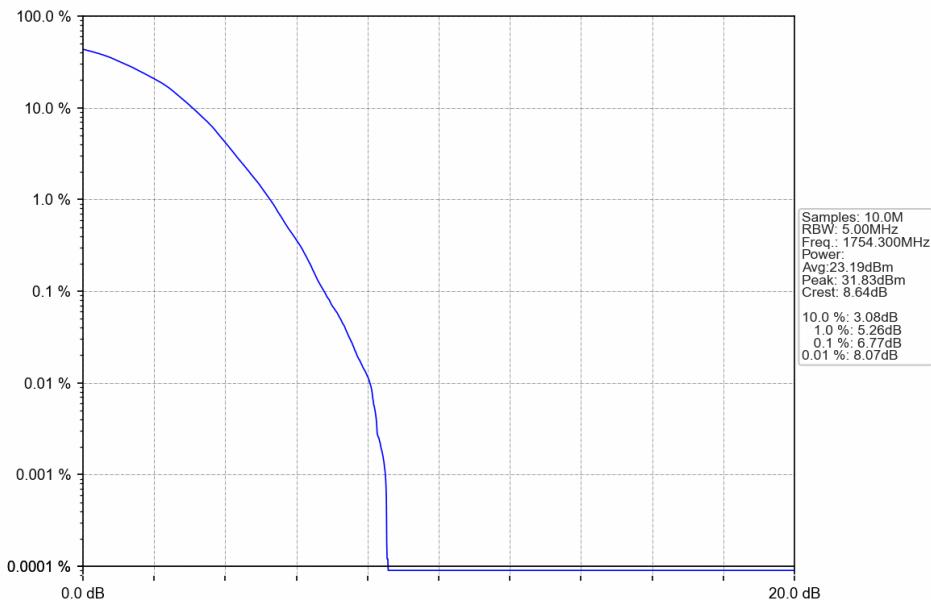


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3.2 B4_3MHz

3.2.1 Test Result

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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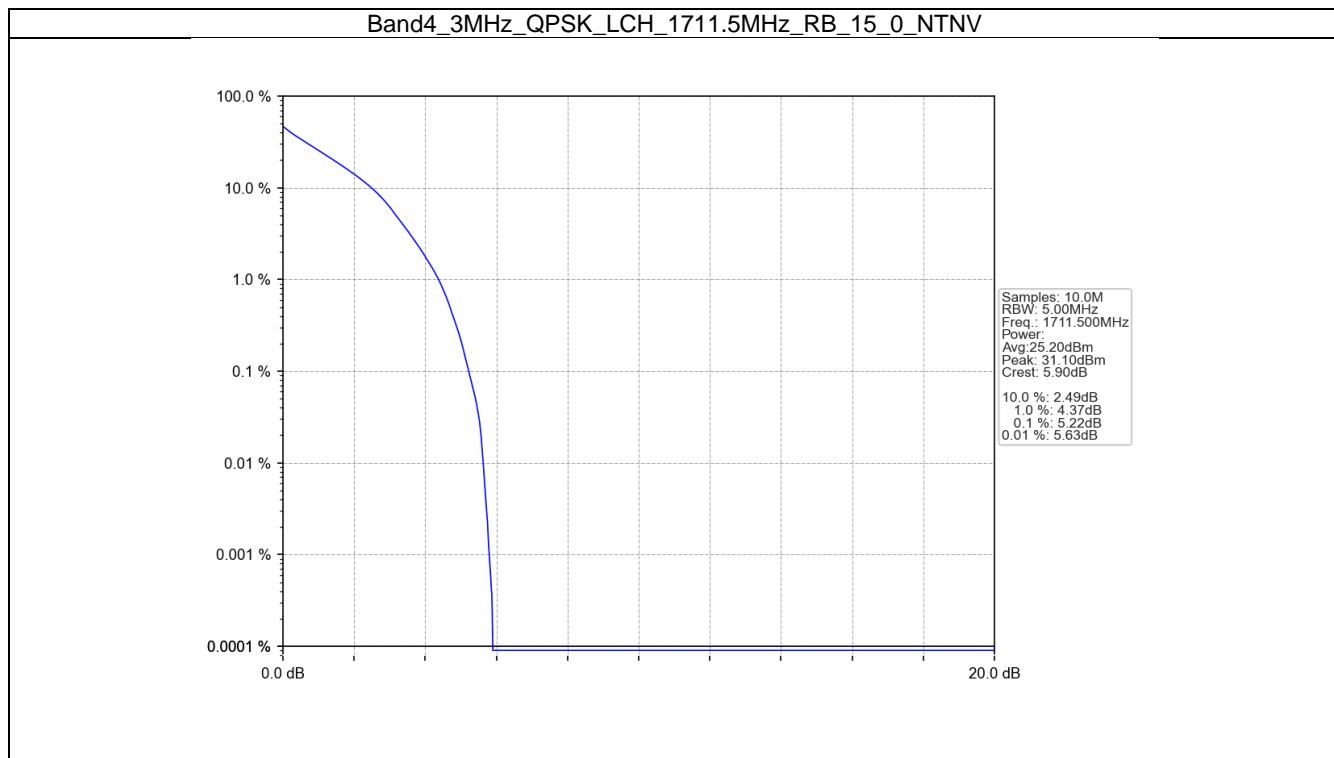
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3.2.2 Test Graph



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Wireless Laboratory

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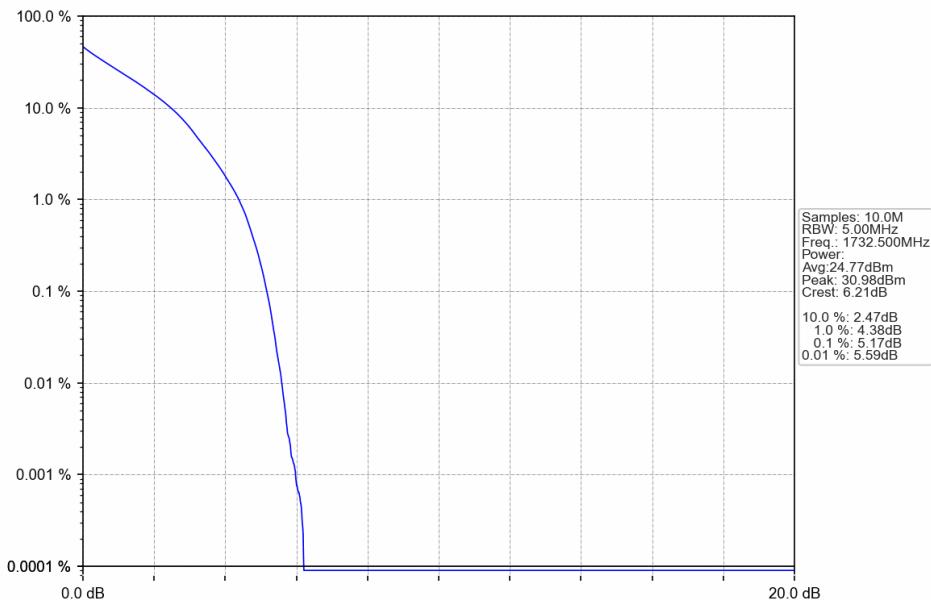


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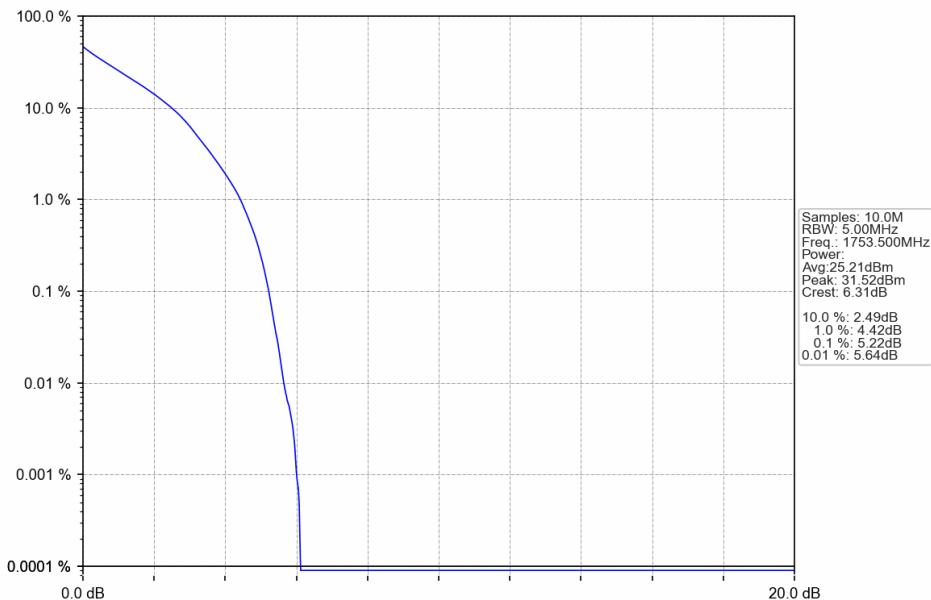


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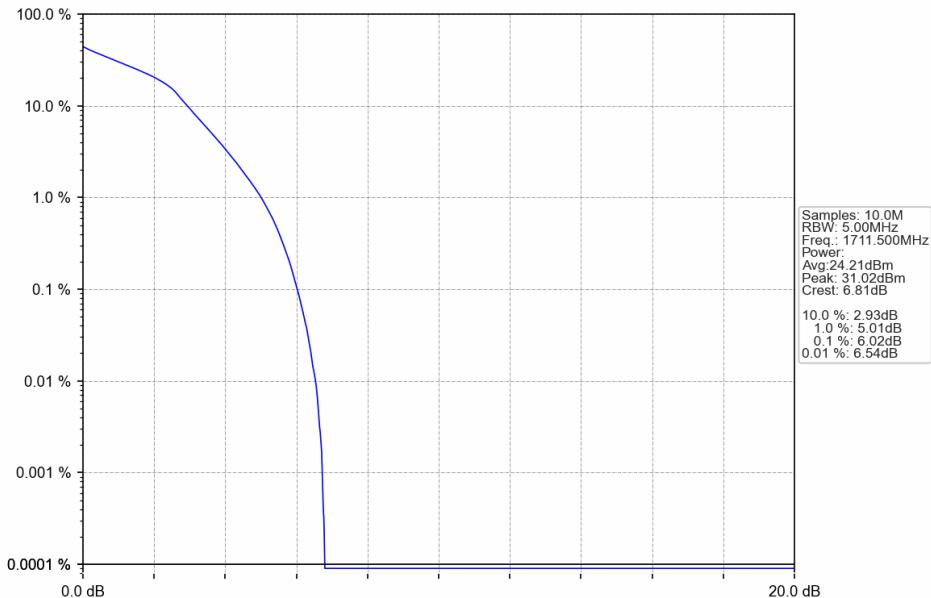


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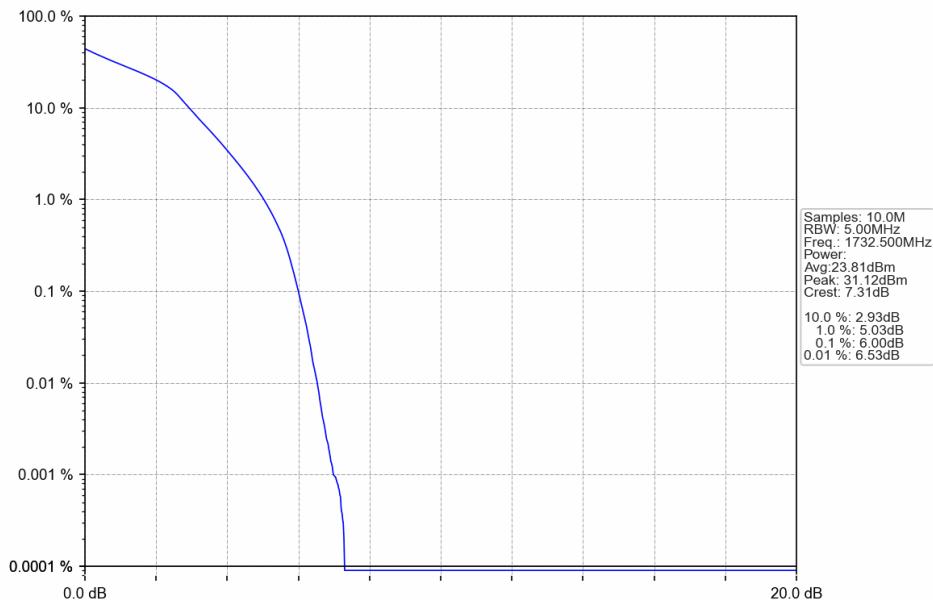


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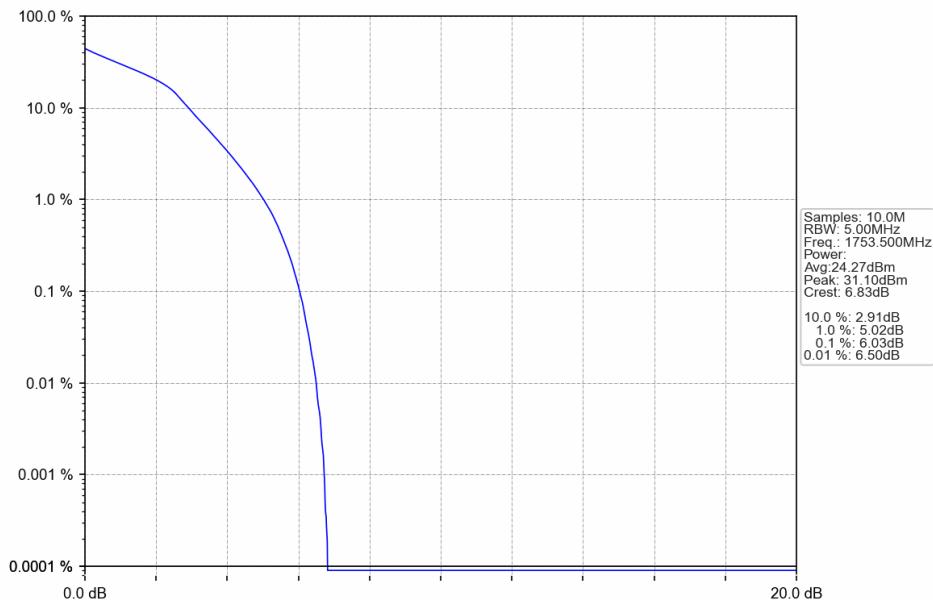


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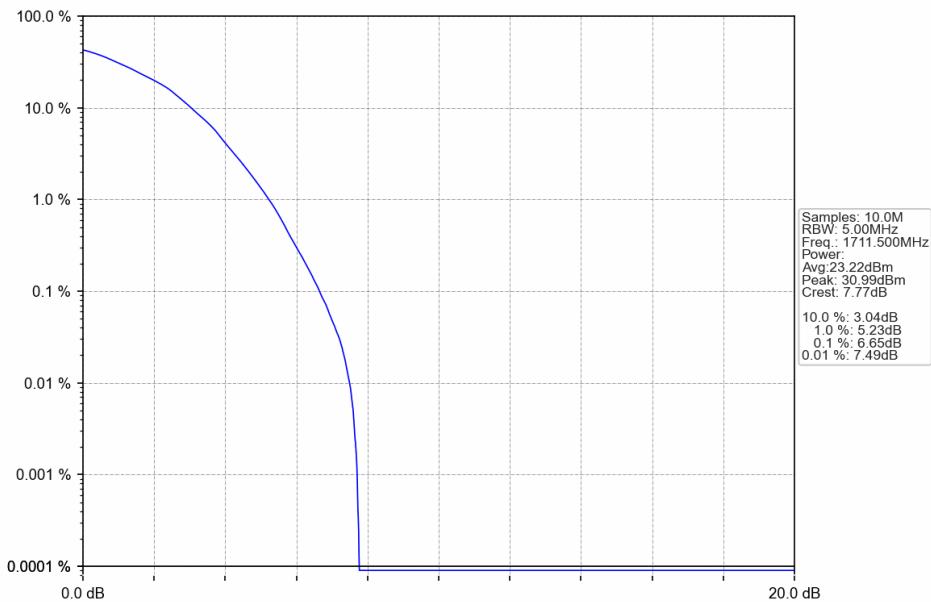


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Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



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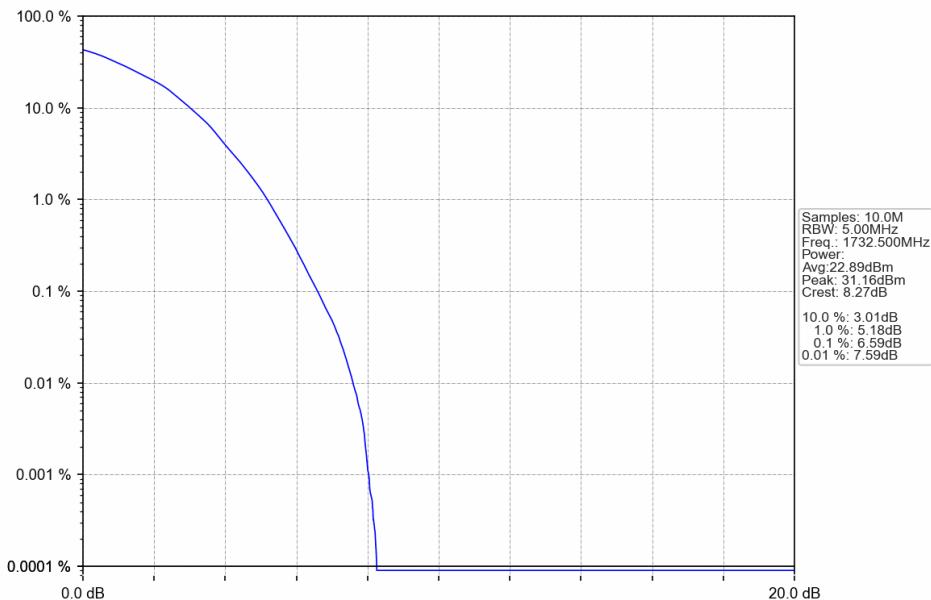


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Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



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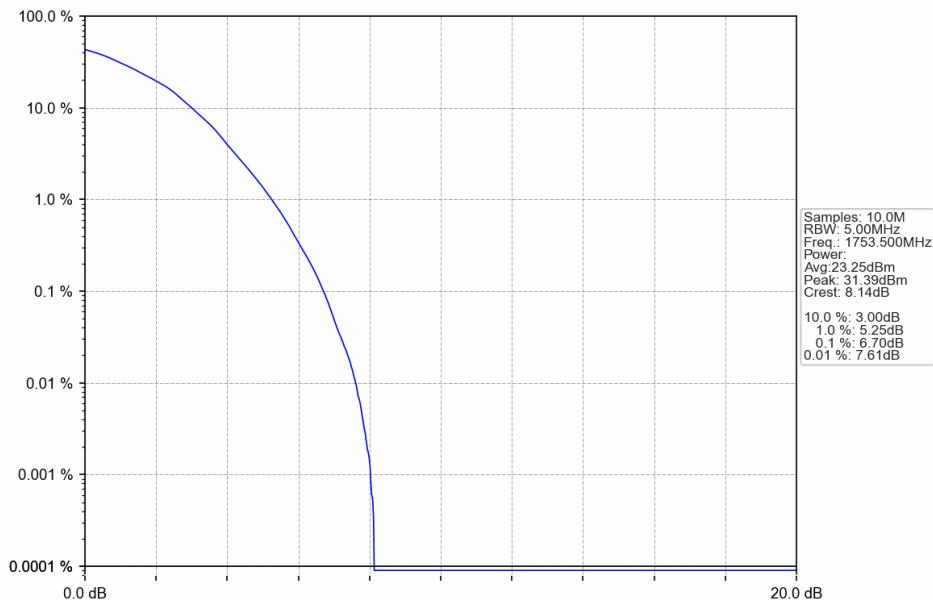


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3.3 B4_5MHz

3.3.1 Test Result

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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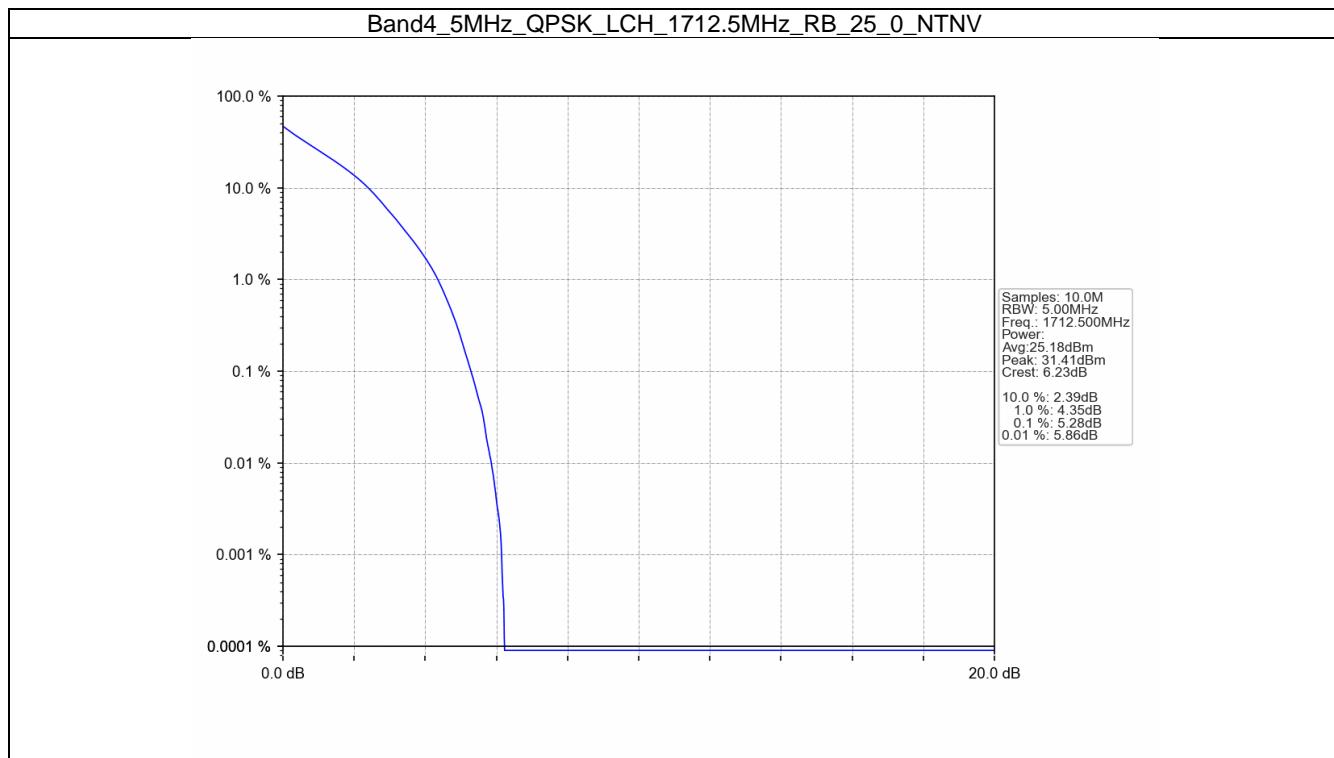
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3.3.2 Test Graph



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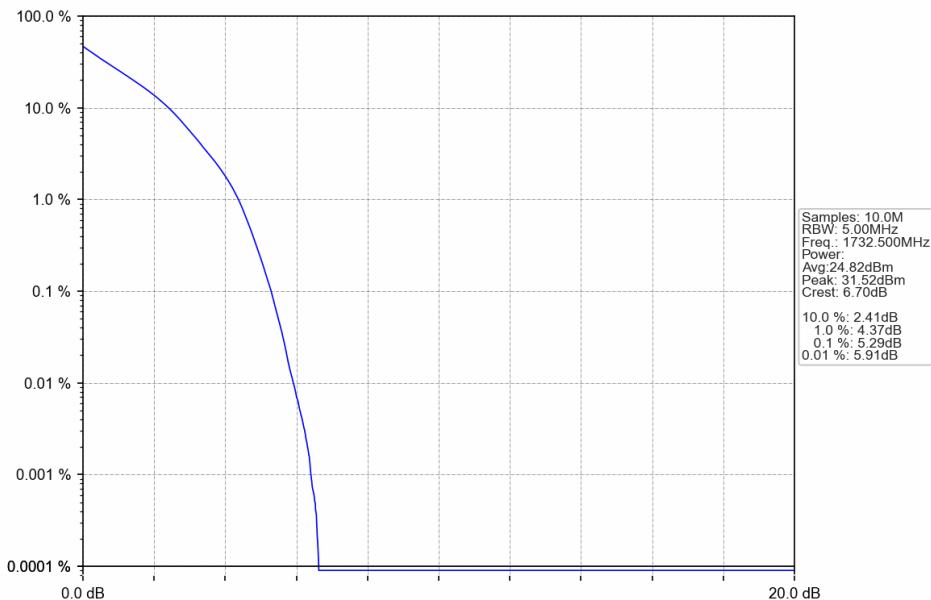


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Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



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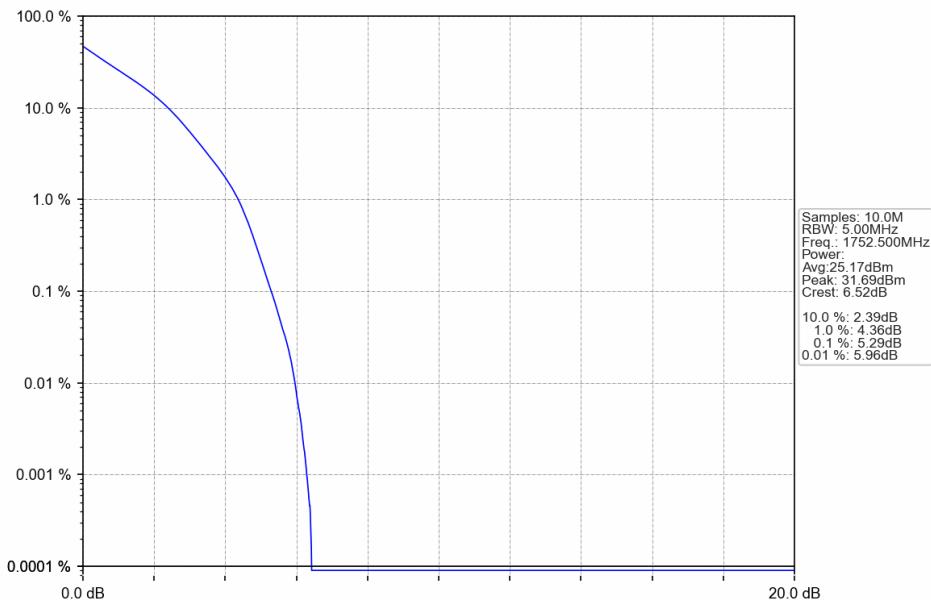


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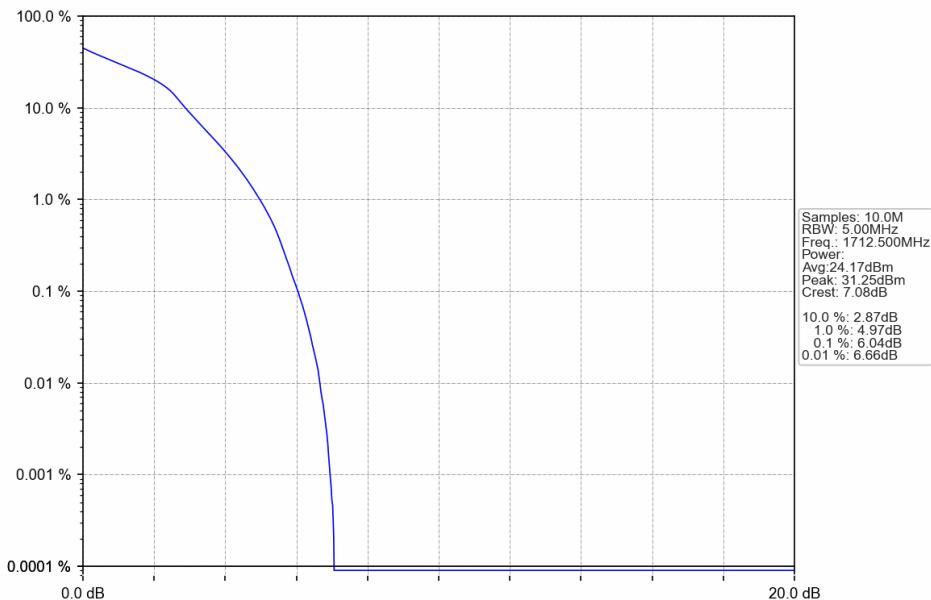


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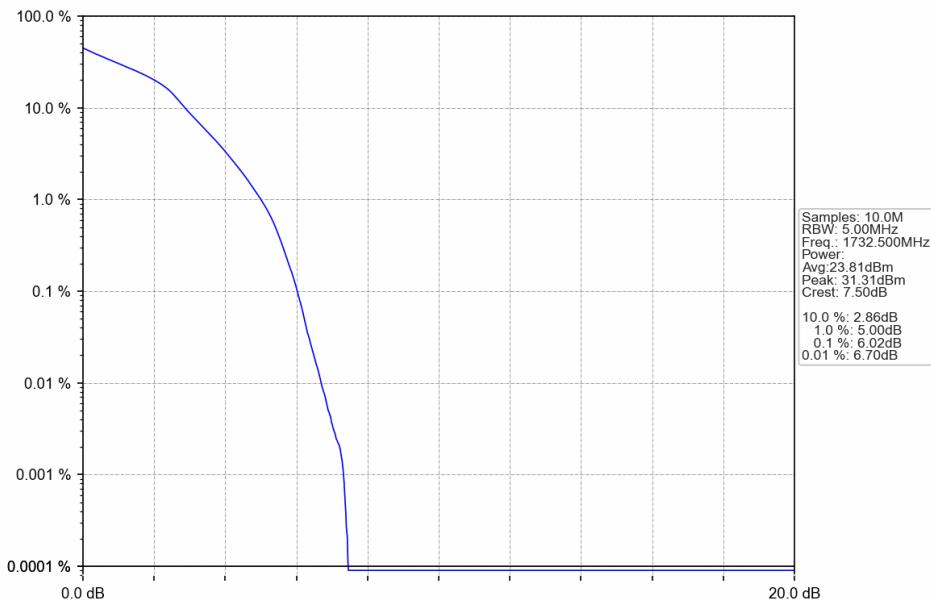


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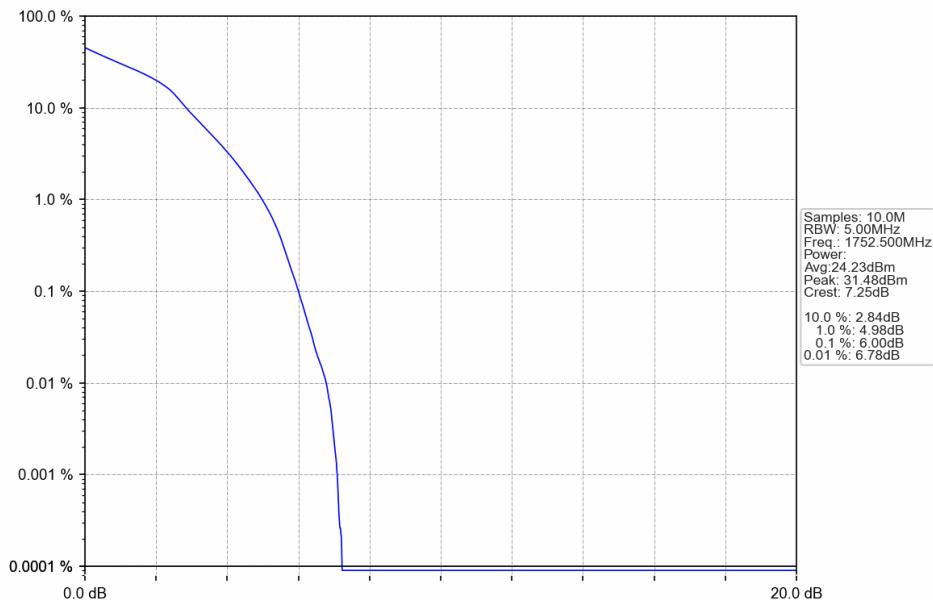


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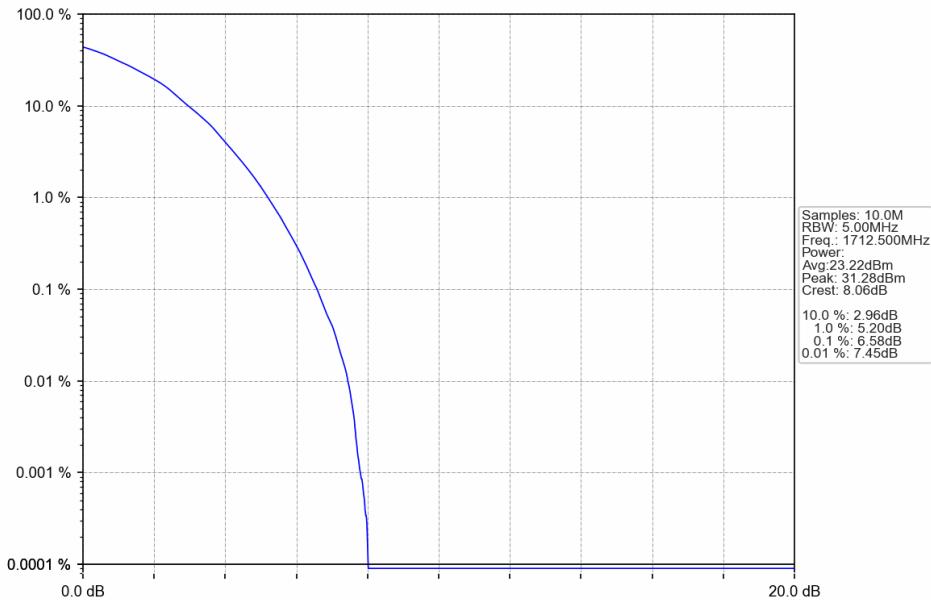


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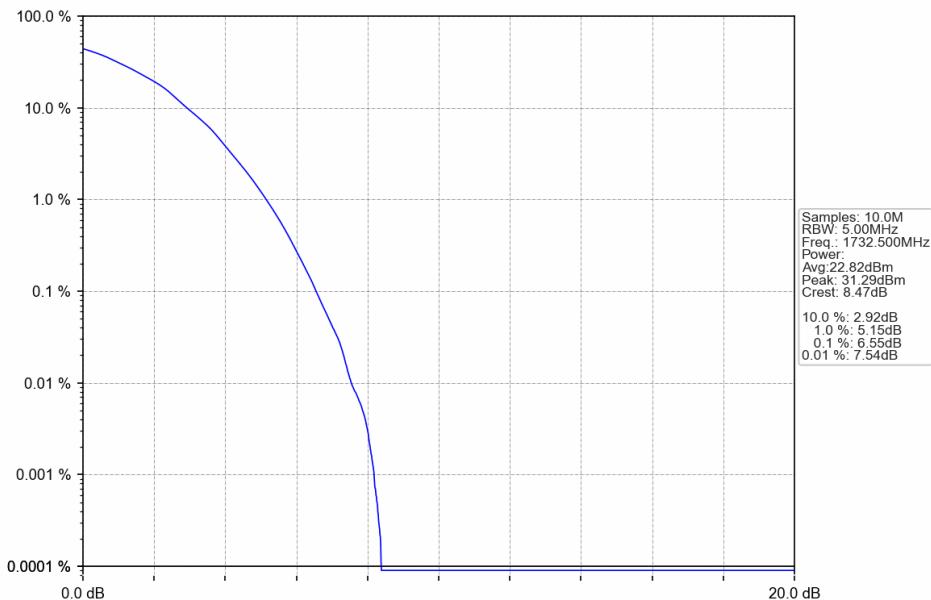


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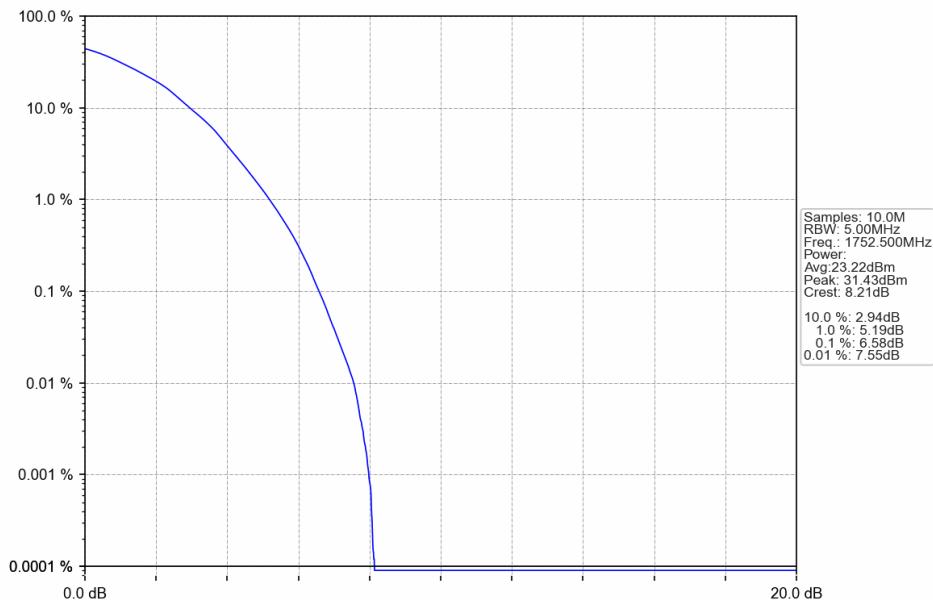


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3.4 B4_10MHz

3.4.1 Test Result

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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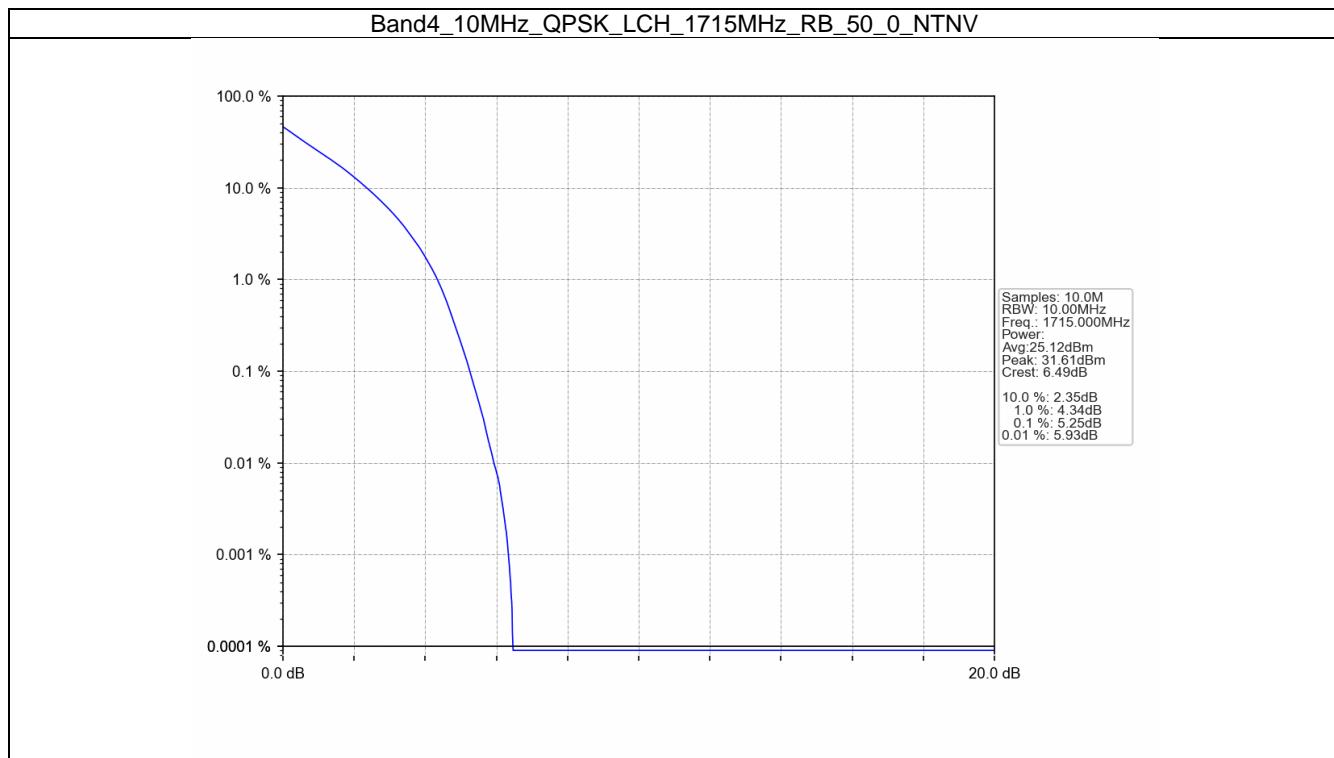
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3.4.2 Test Graph



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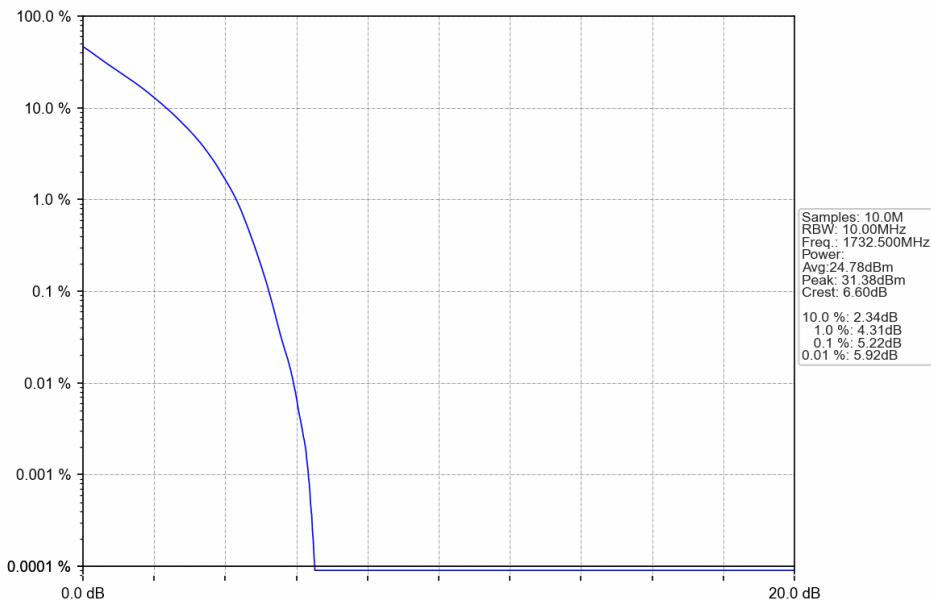


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Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



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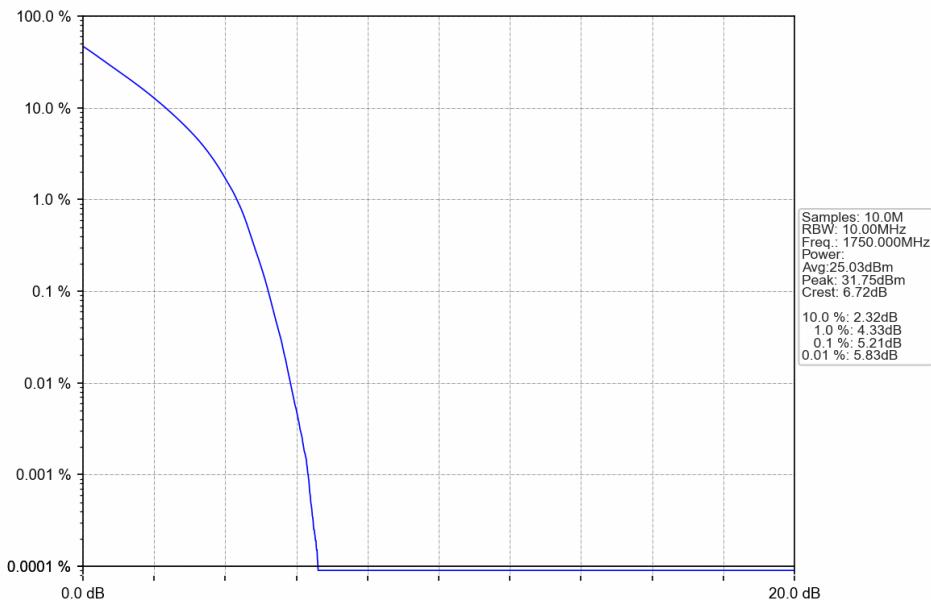


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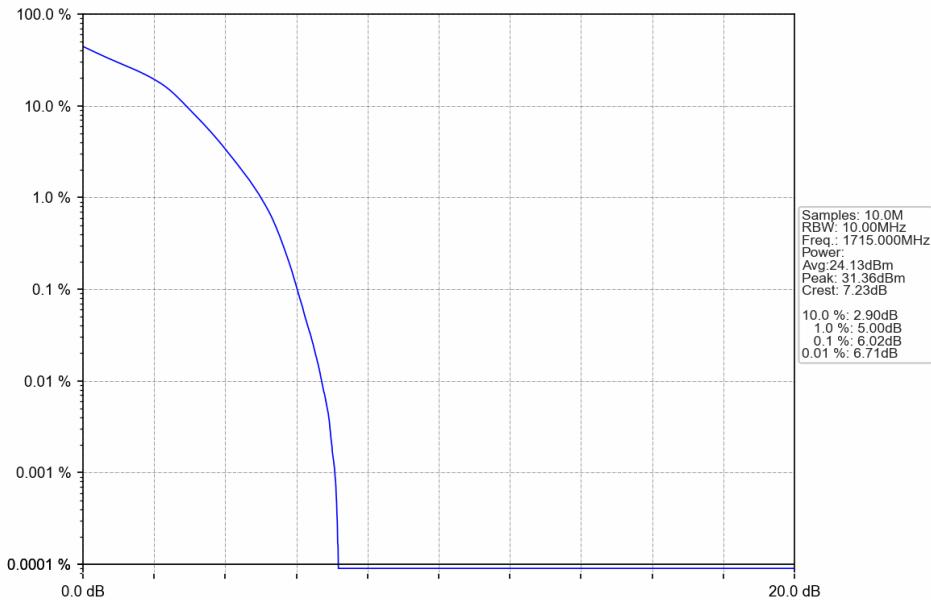


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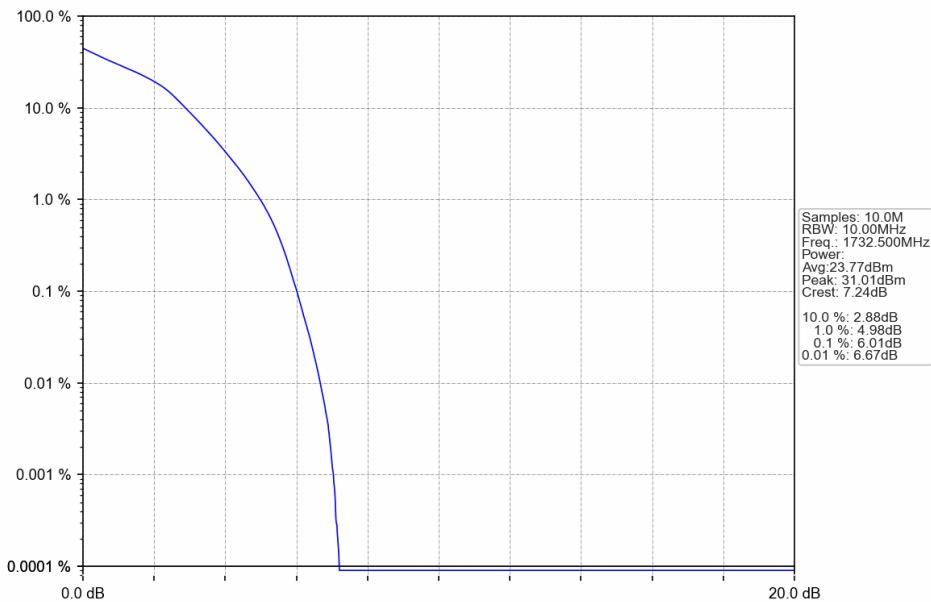


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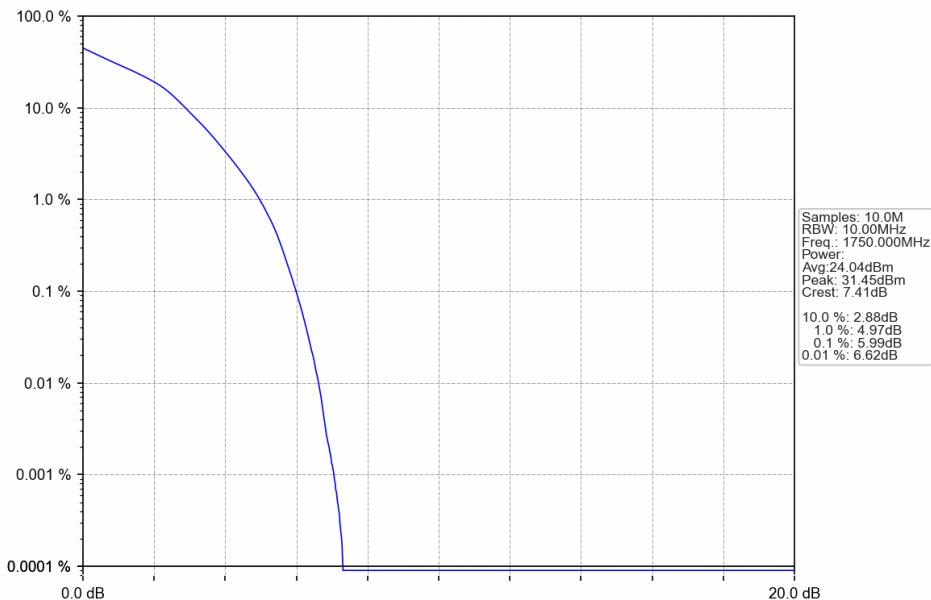


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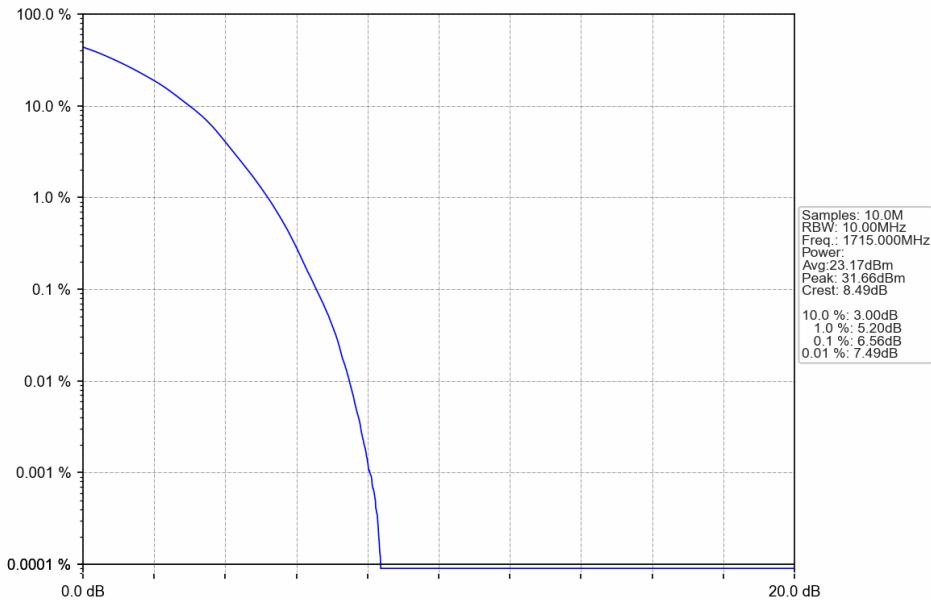


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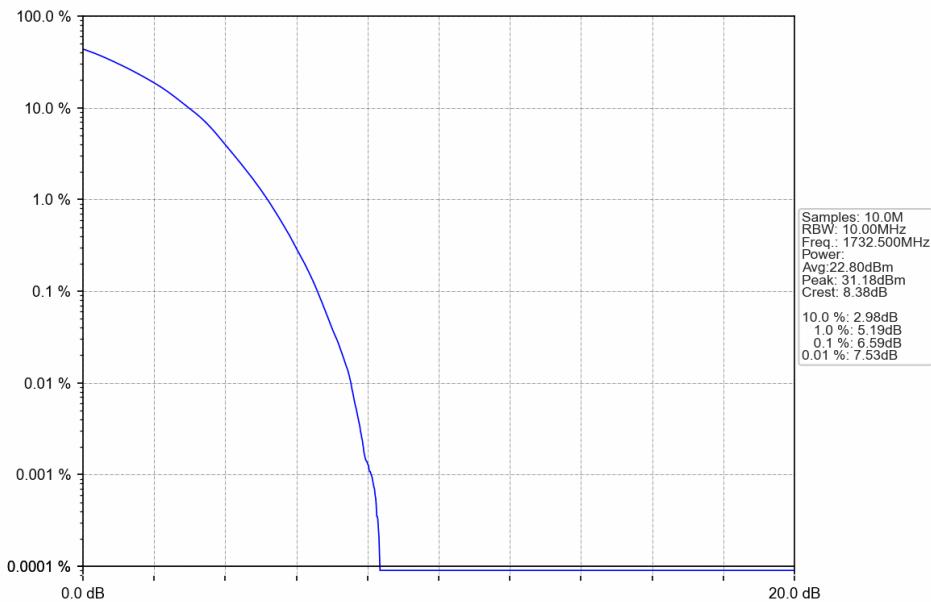


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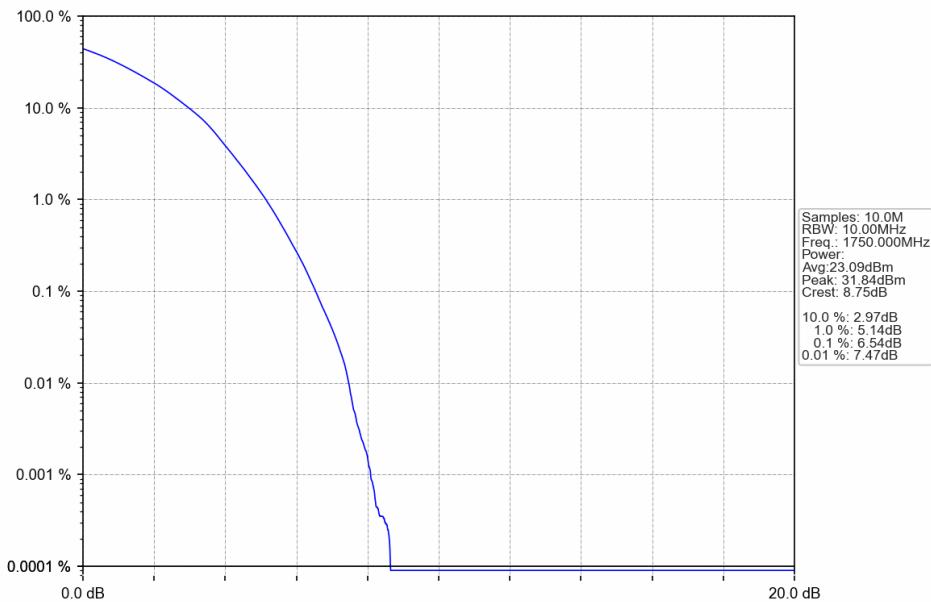


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3.5 B4_15MHz

3.5.1 Test Result

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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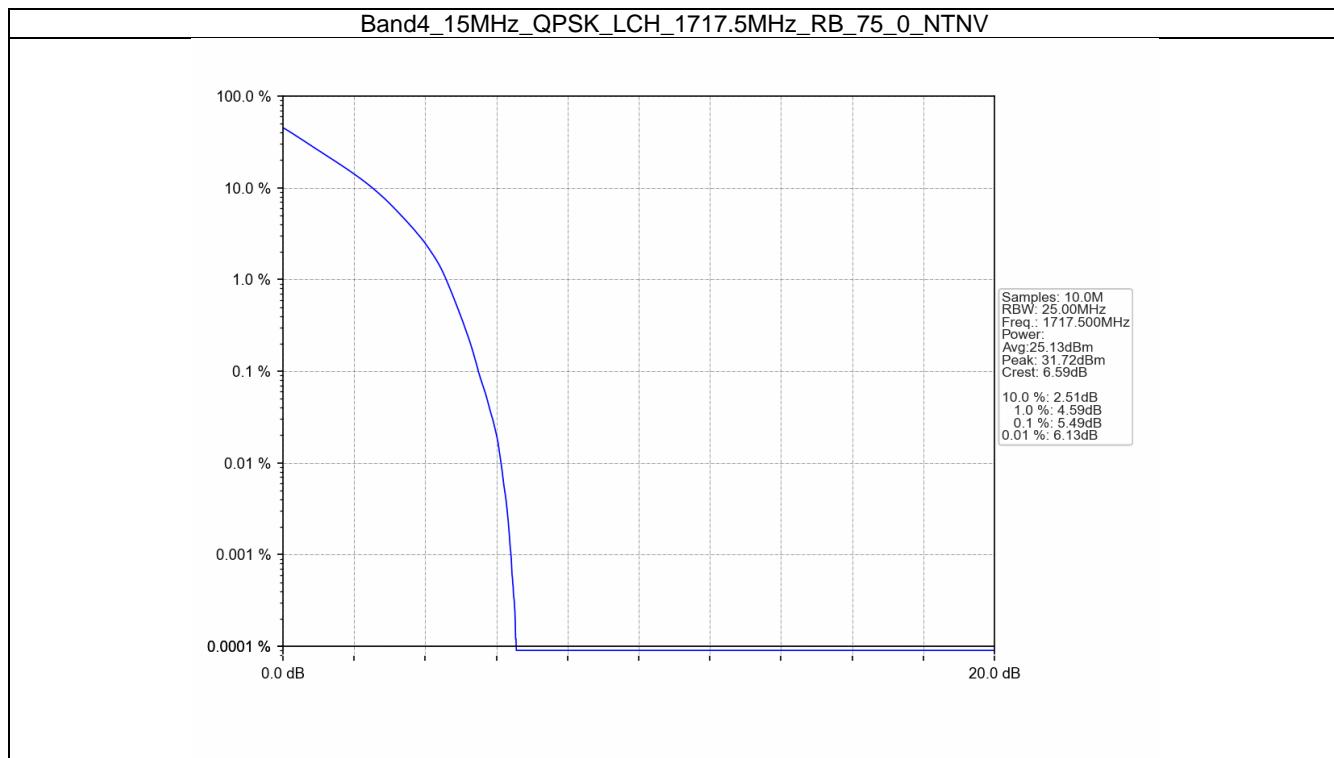
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3.5.2 Test Graph



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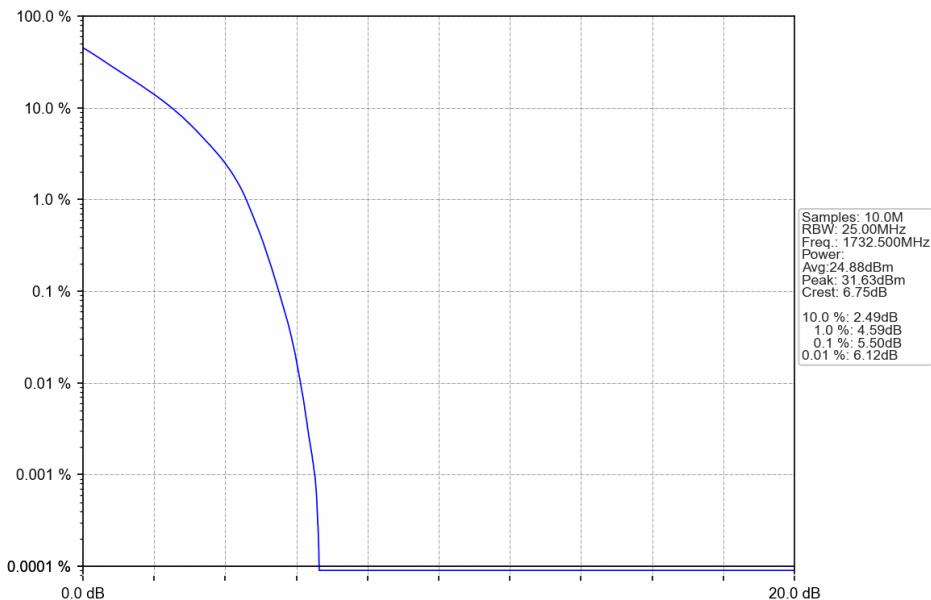


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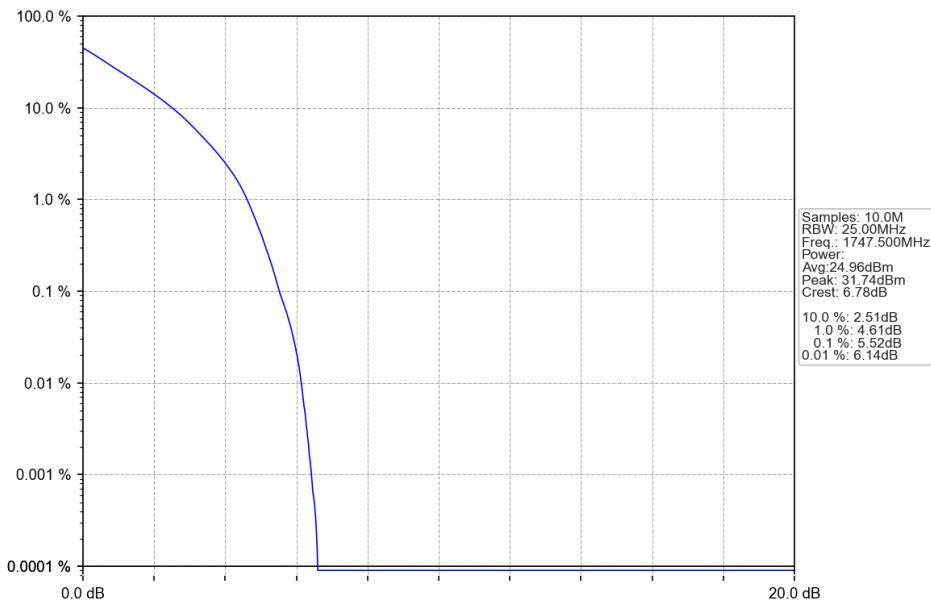


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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



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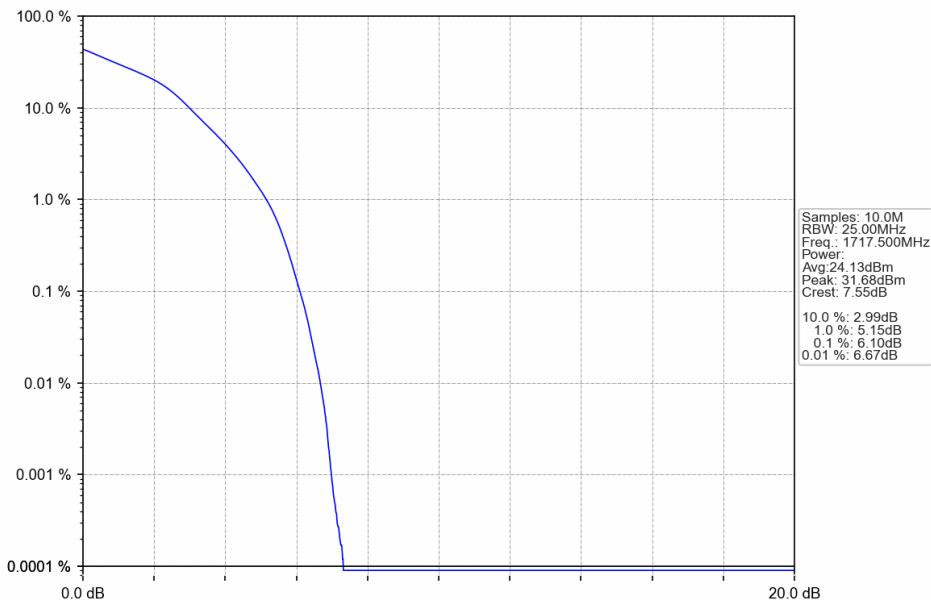


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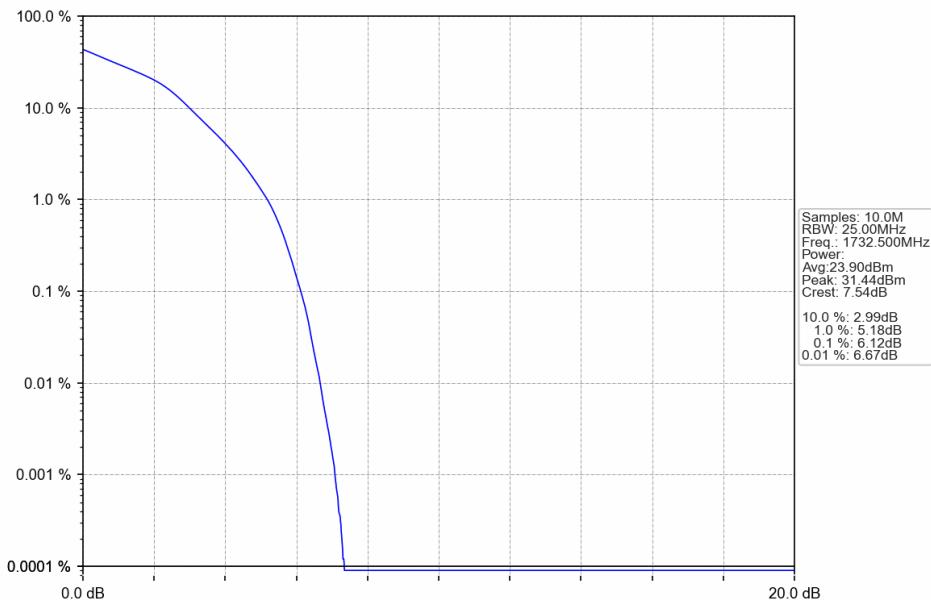


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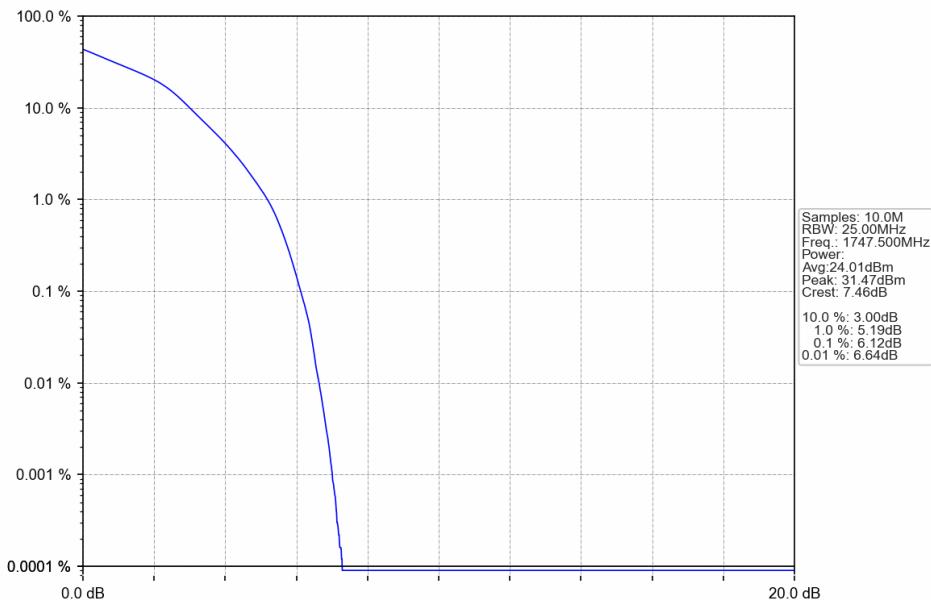


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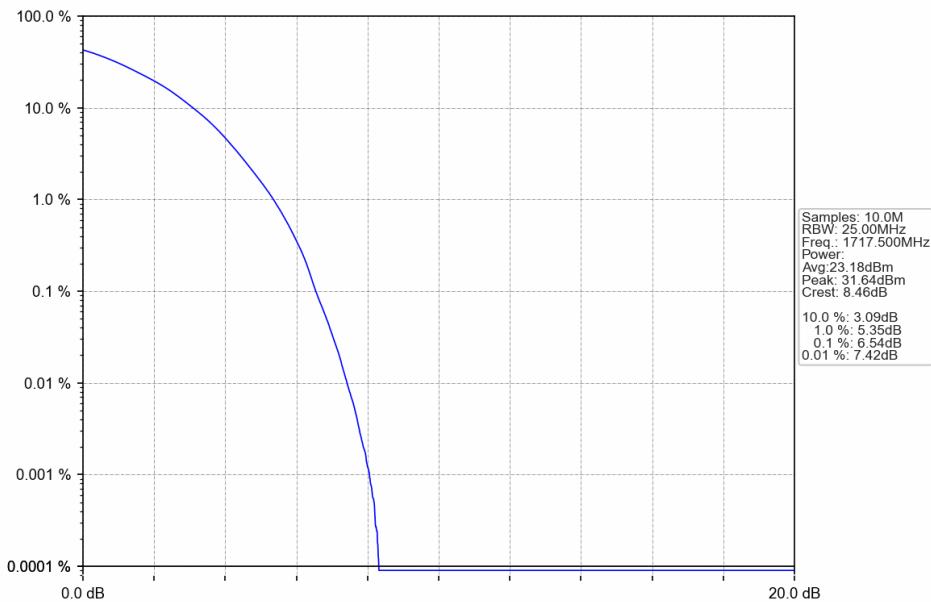


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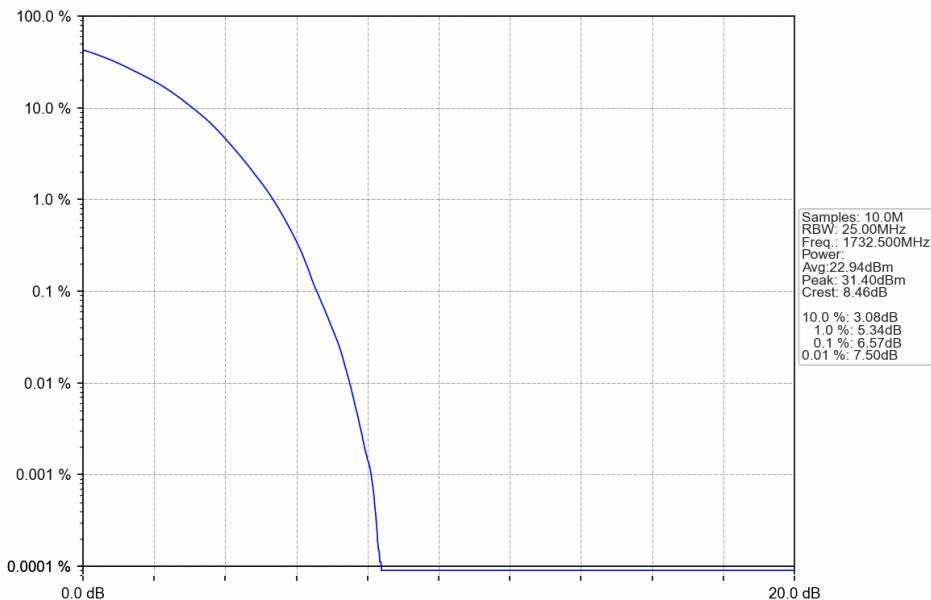


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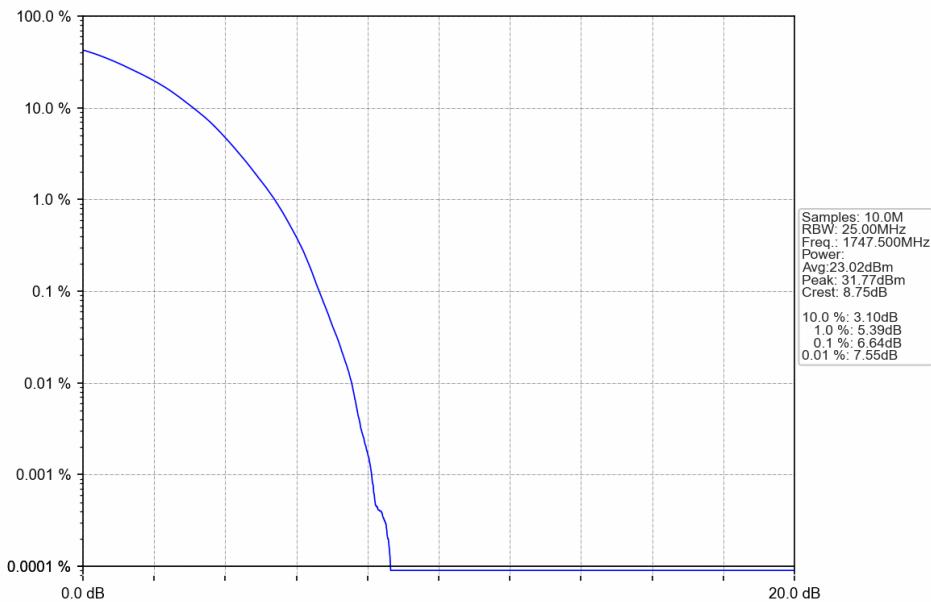


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3.6 B4_20MHz

3.6.1 Test Result

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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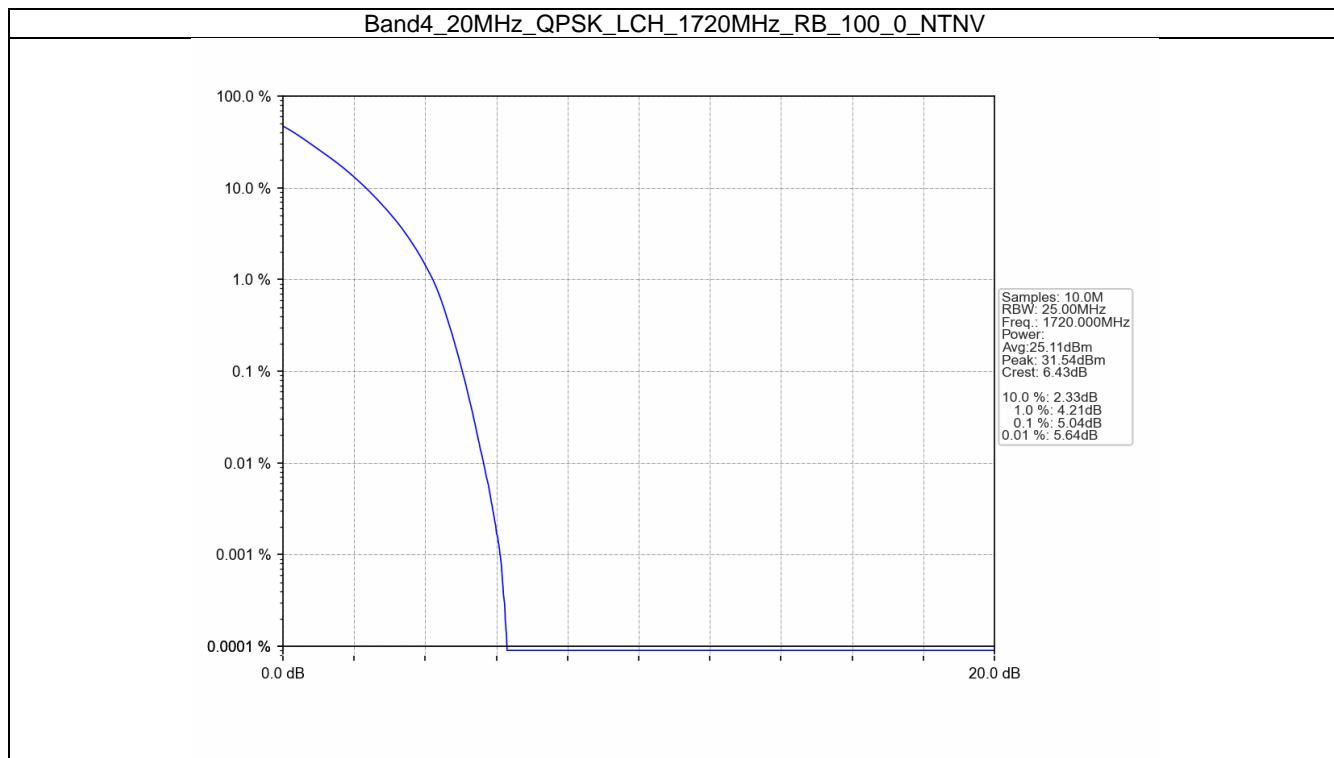
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3.6.2 Test Graph



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Wireless Laboratory

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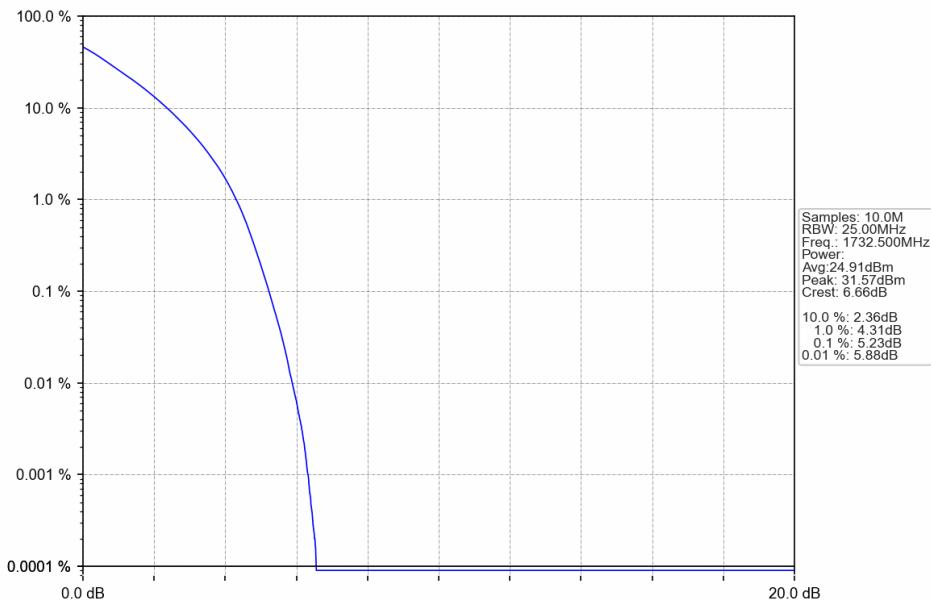


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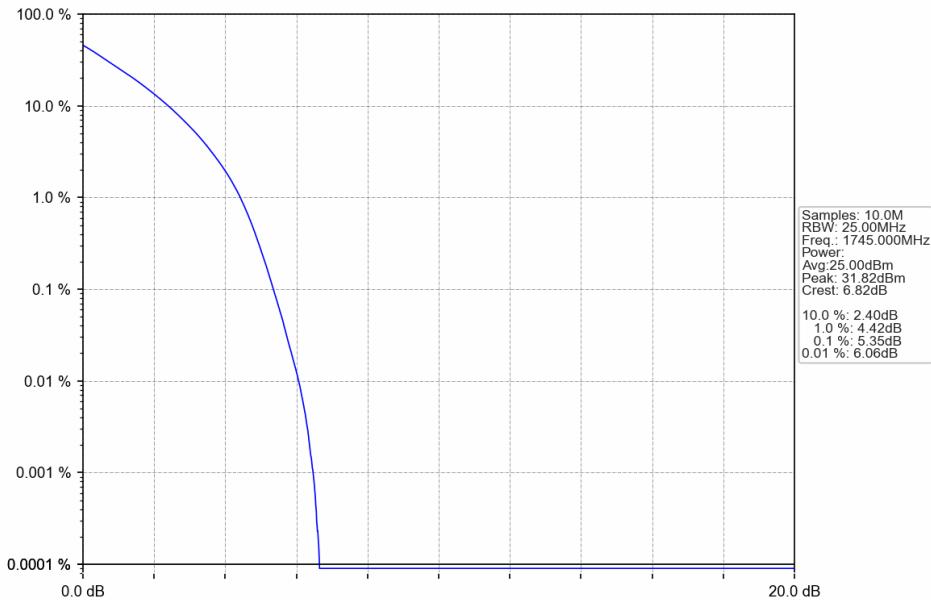


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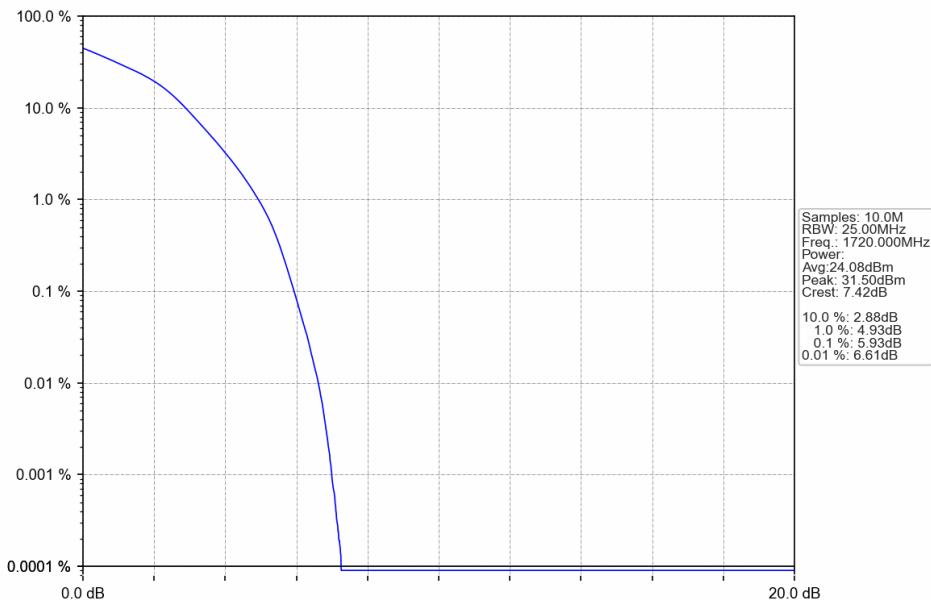


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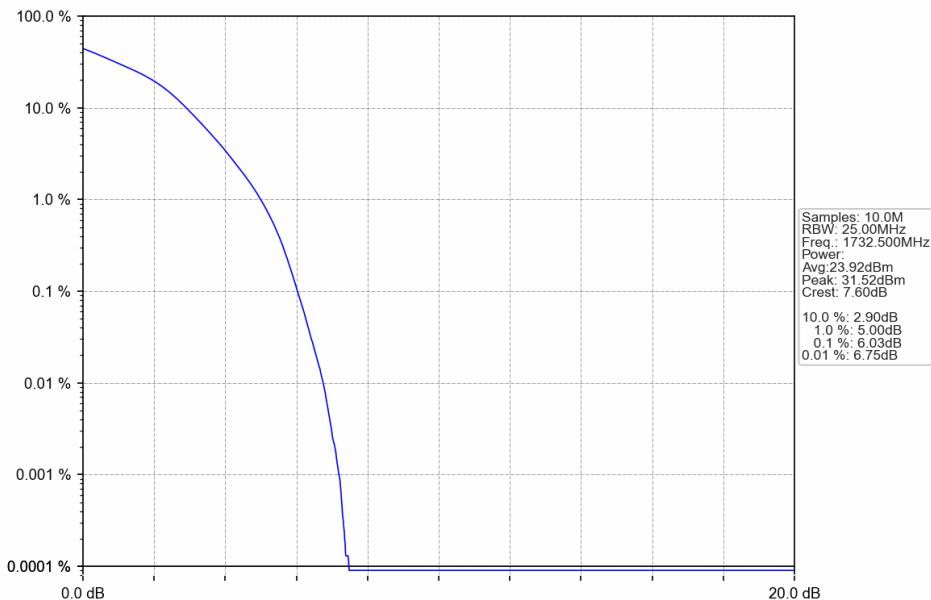


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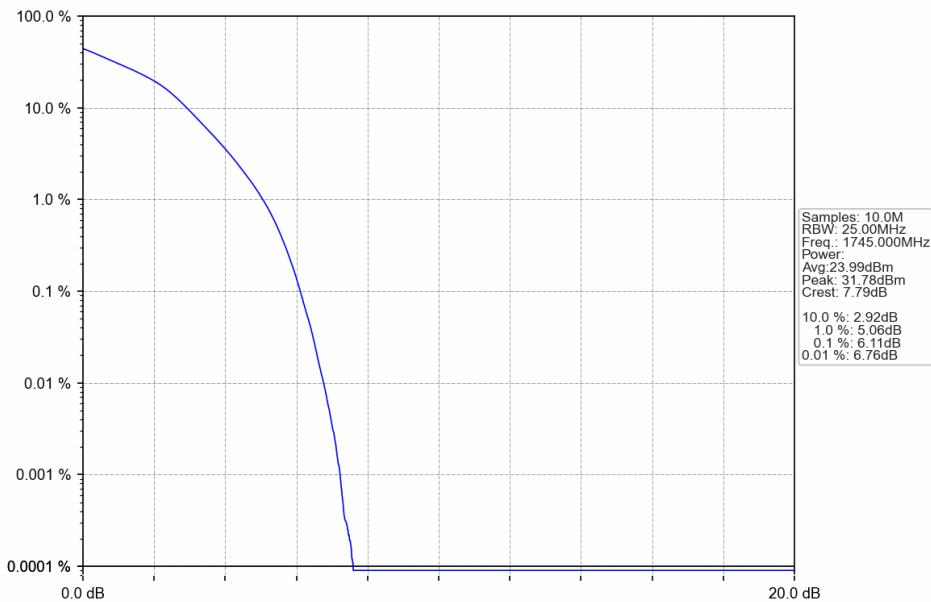


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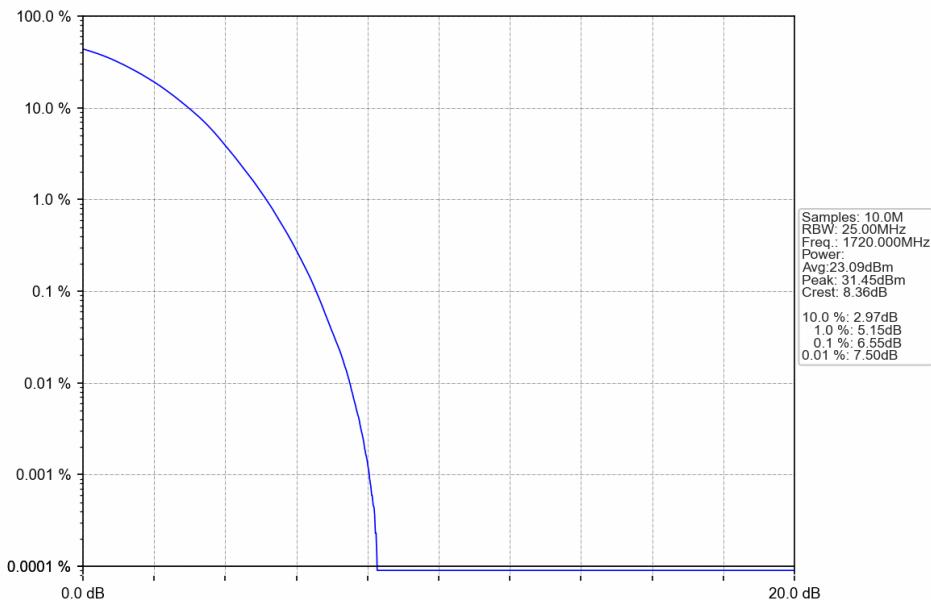


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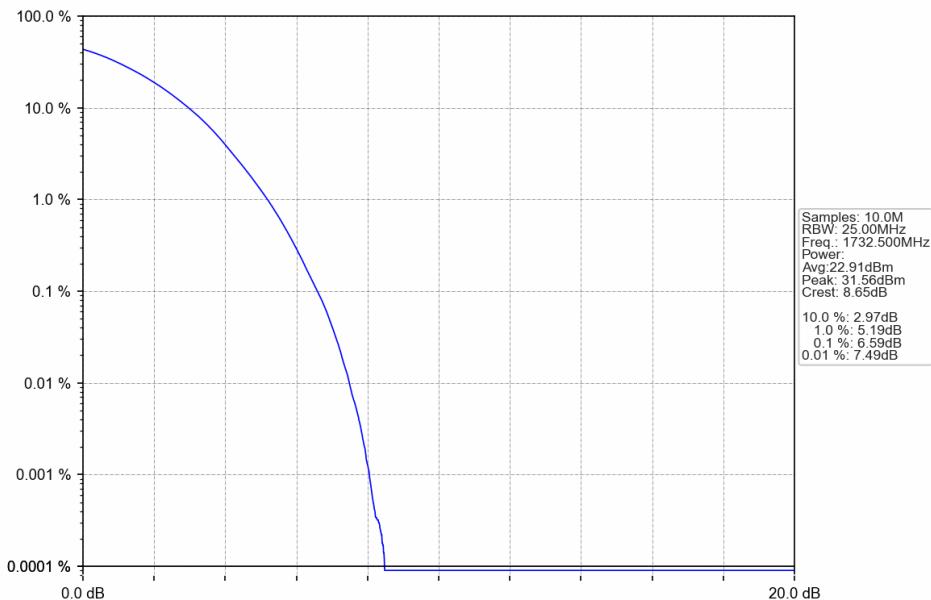


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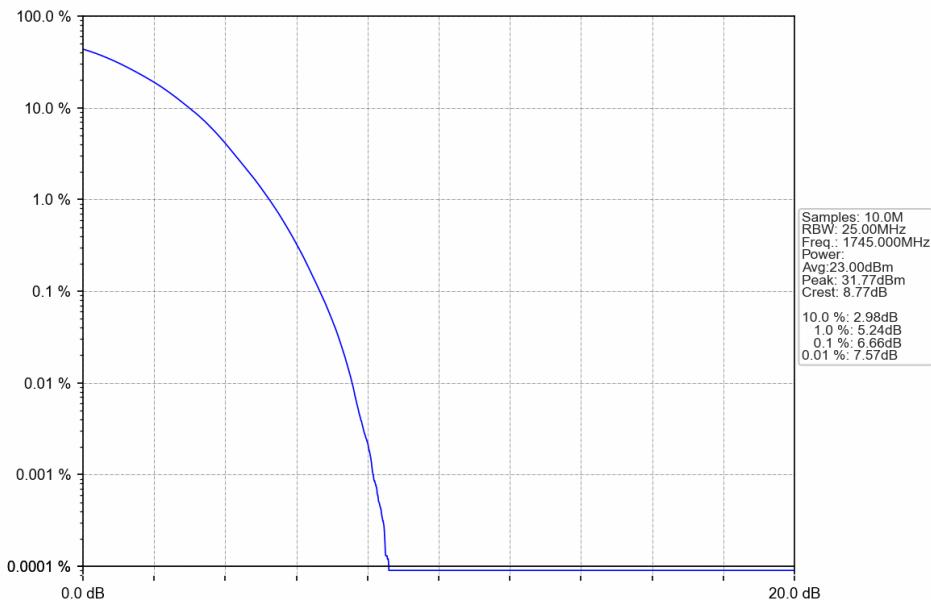


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4. Spurious Emission & Band Edges

4.1 B4_1.4MHz

4.1.1 Test Result

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	0	Refer To Test Graph		Pass	
	1754.3		5	Refer To Test Graph		Pass	
			6	Refer To Test Graph		Pass	
16QAM	1710.7	1	0	Refer To Test Graph		Pass	
		6	0	Refer To Test Graph		Pass	
	1732.5	1	0	Refer To Test Graph		Pass	
		1754.3	0	Refer To Test Graph		Pass	
	1754.3		5	Refer To Test Graph		Pass	
			6	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	0	Refer To Test Graph		Pass	
	1754.3		5	Refer To Test Graph		Pass	
			6	Refer To Test Graph		Pass	

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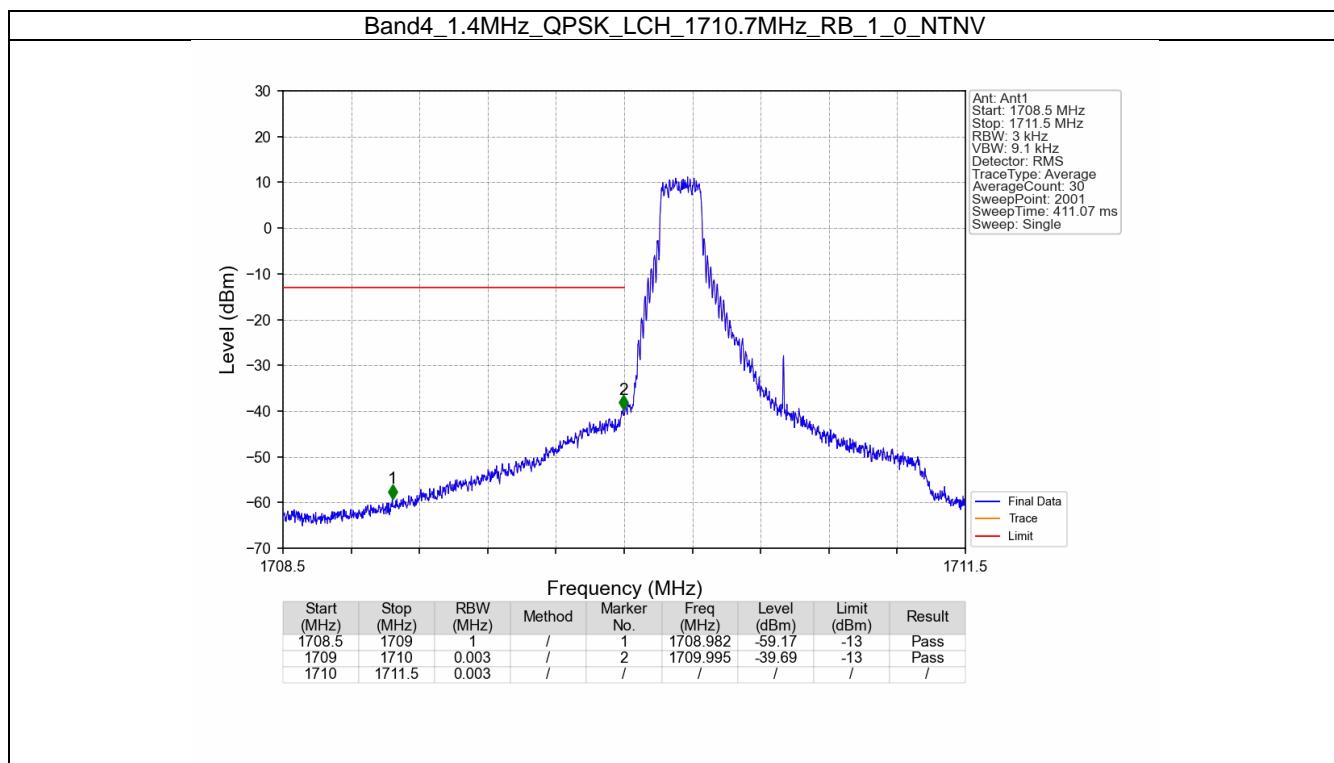
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4.1.2 Test Graph



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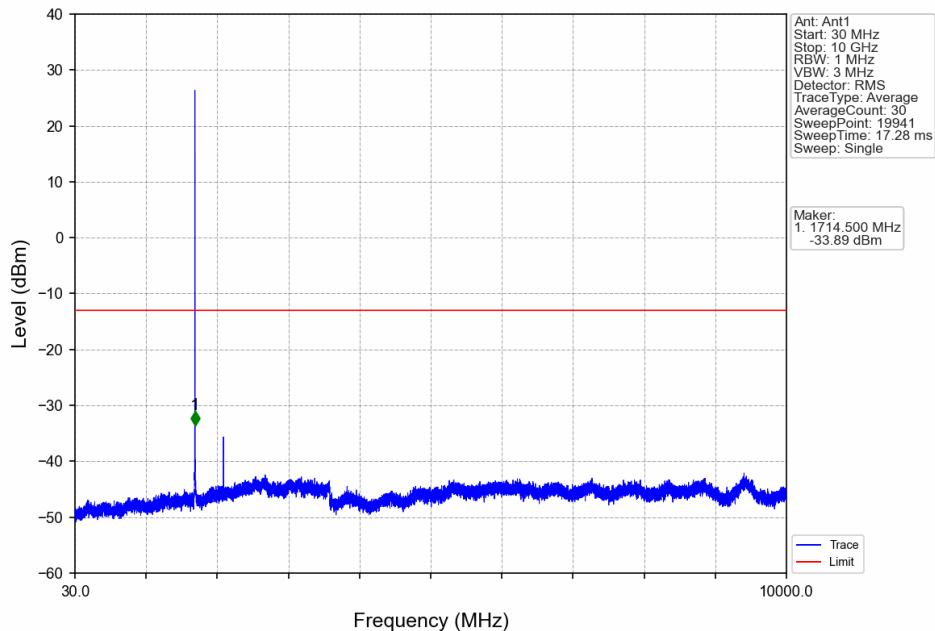


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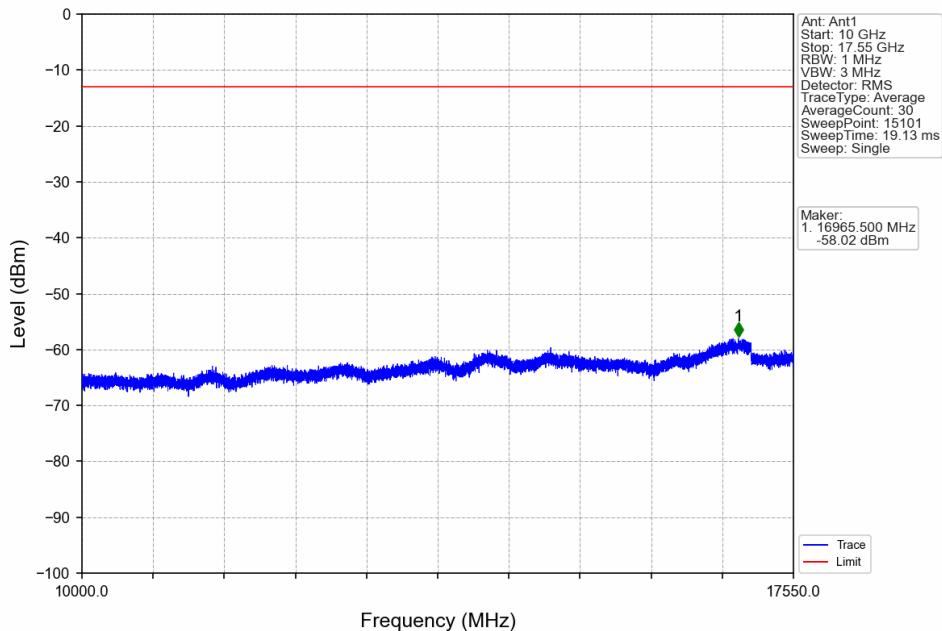


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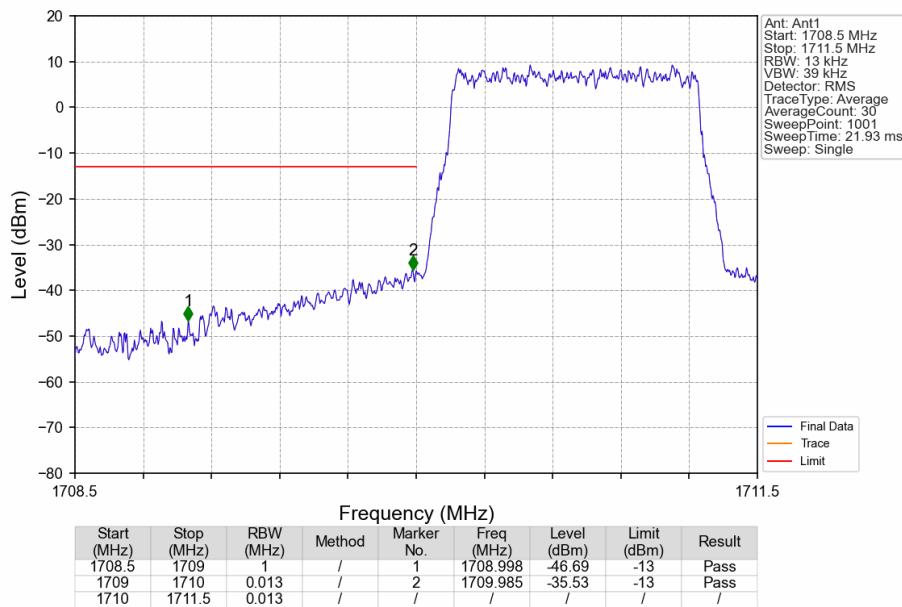
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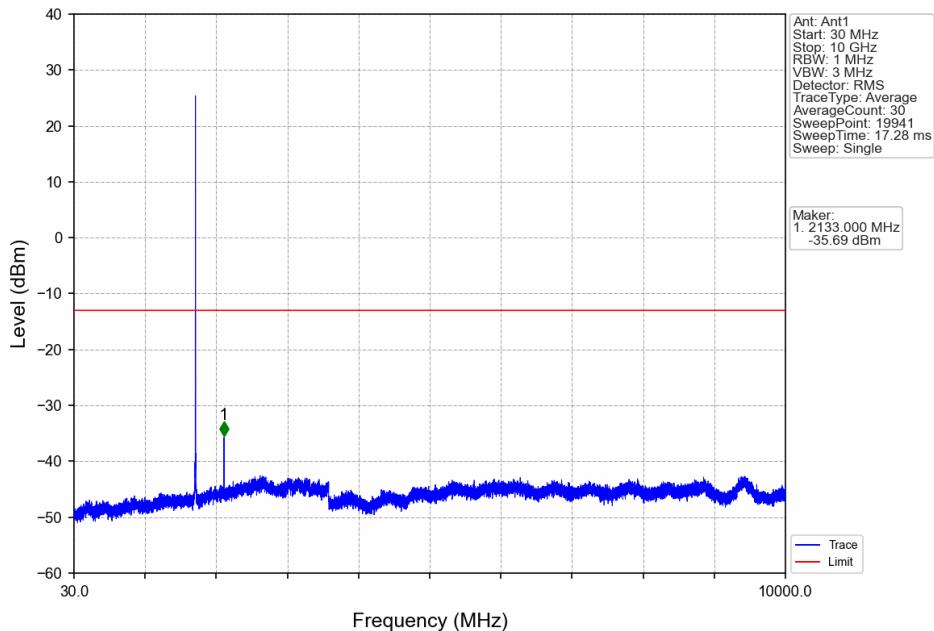


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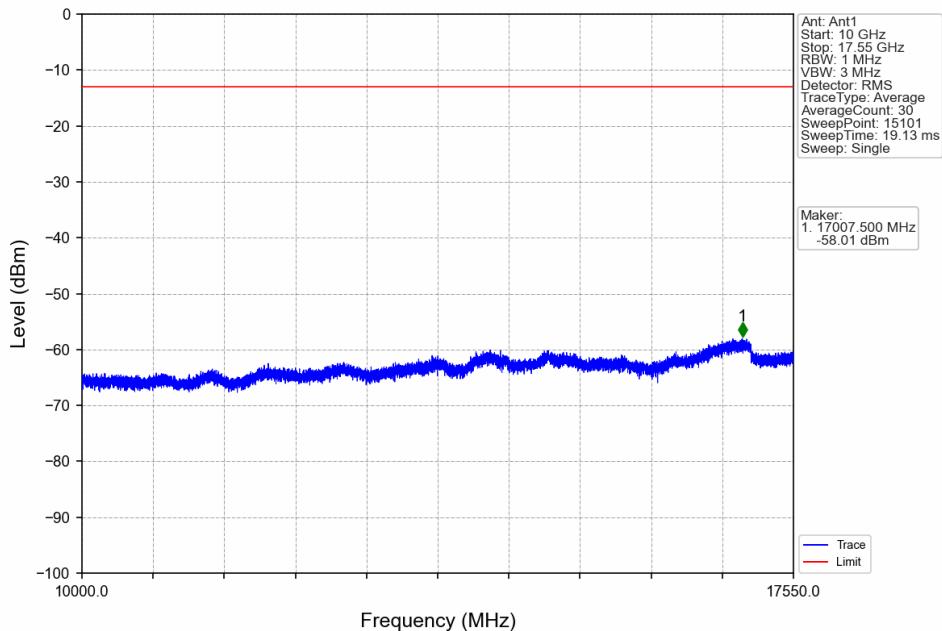


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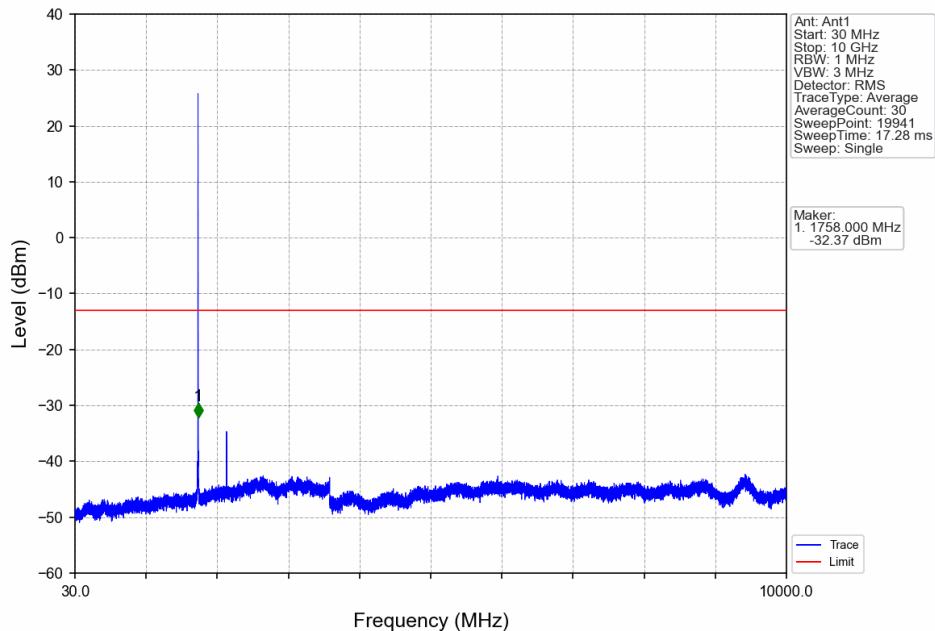


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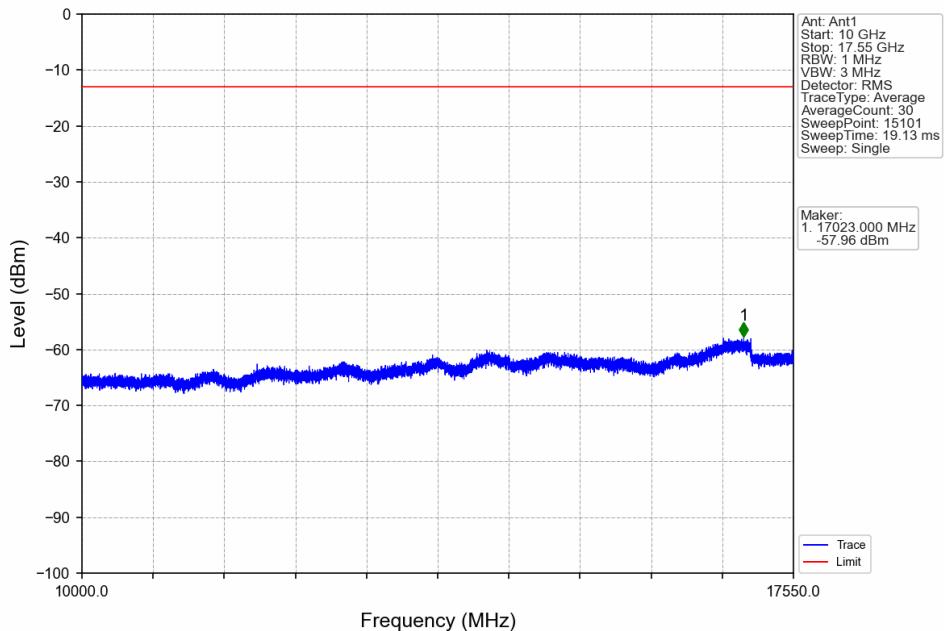


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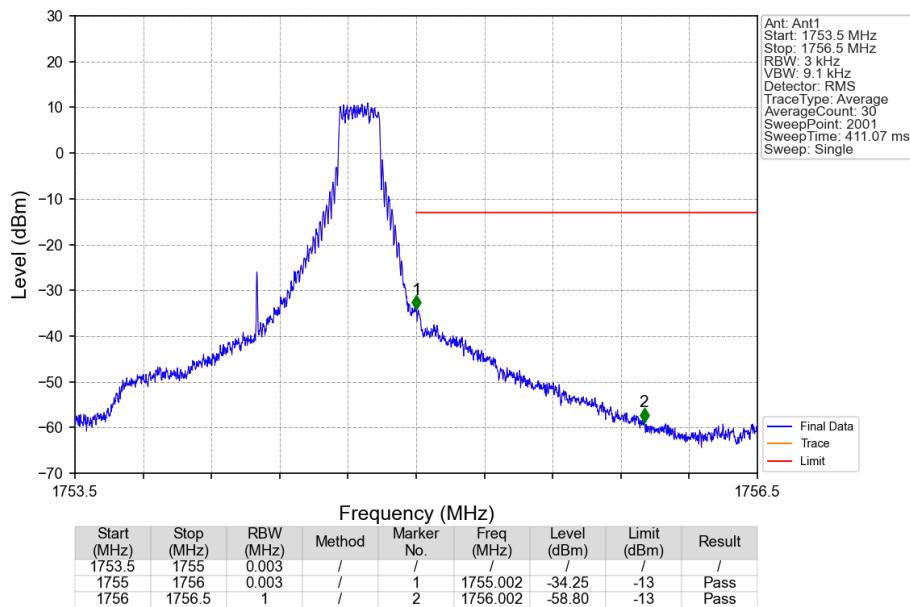


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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



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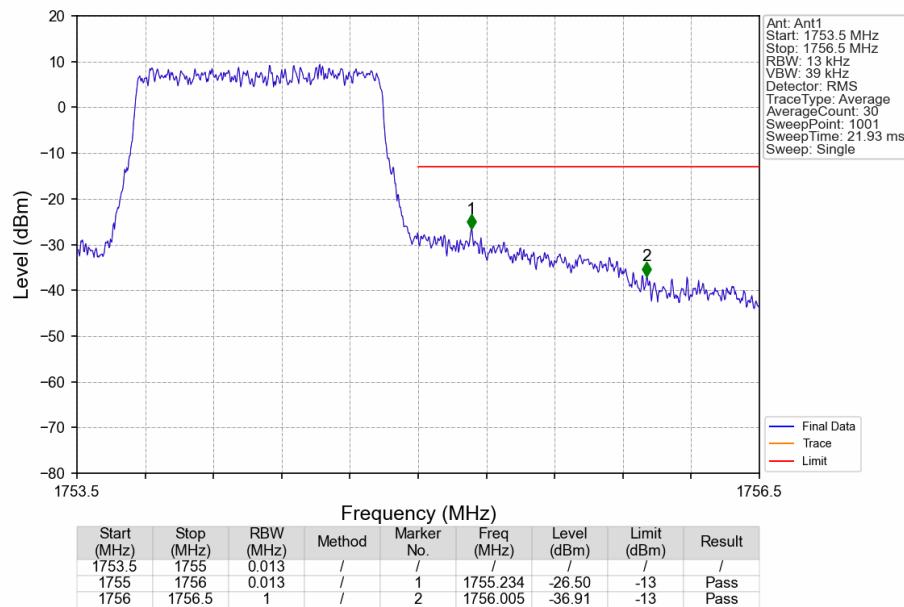
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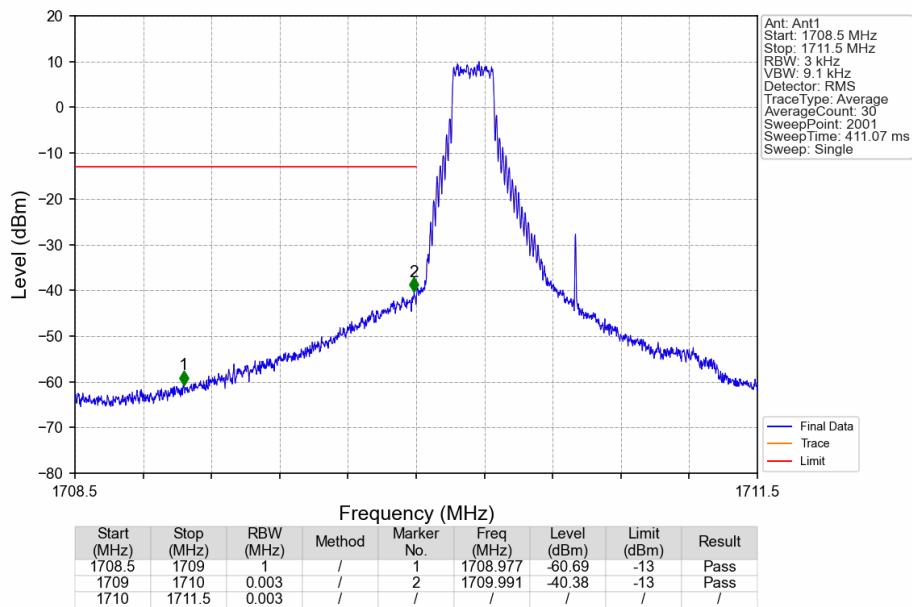


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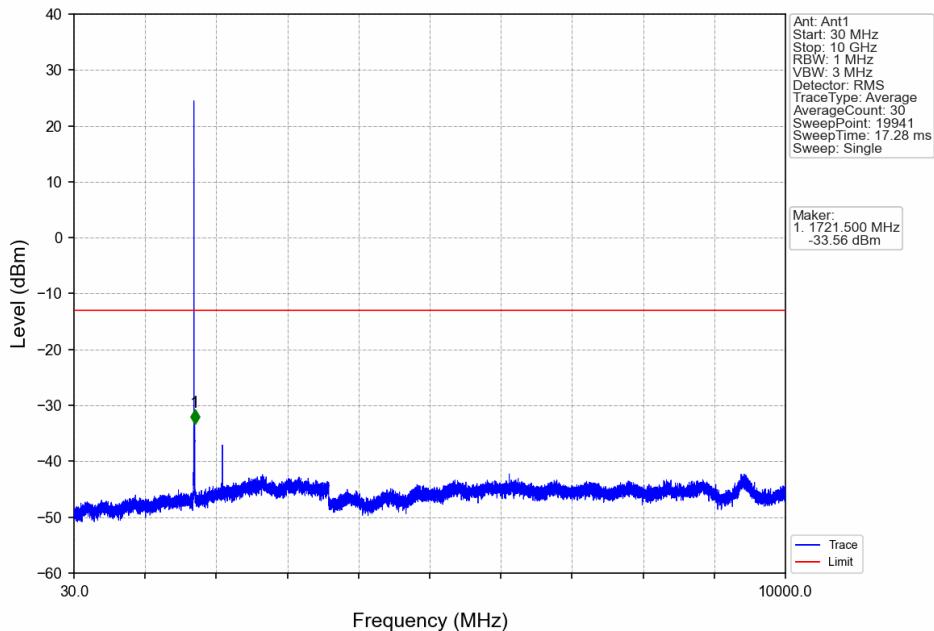


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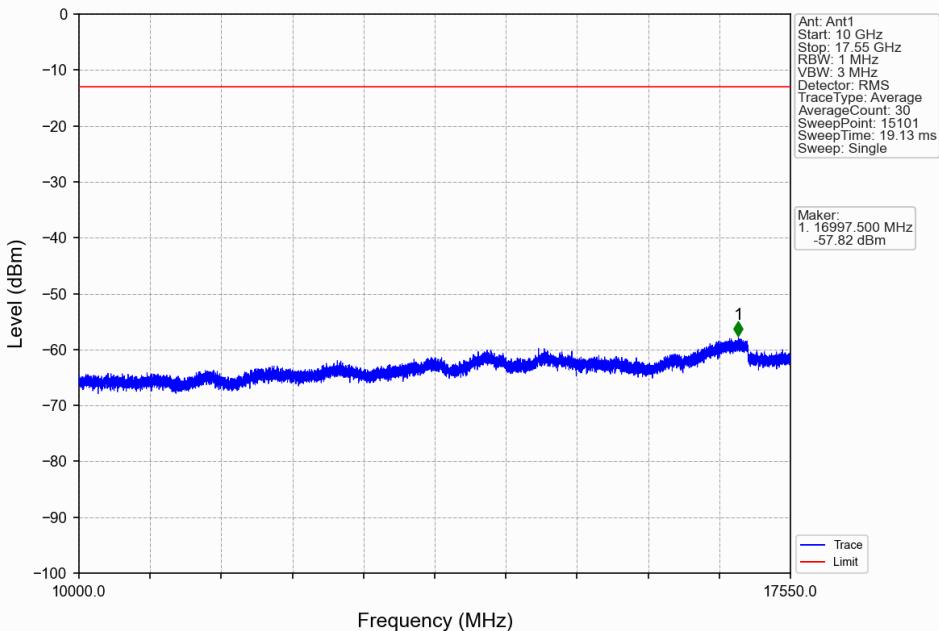


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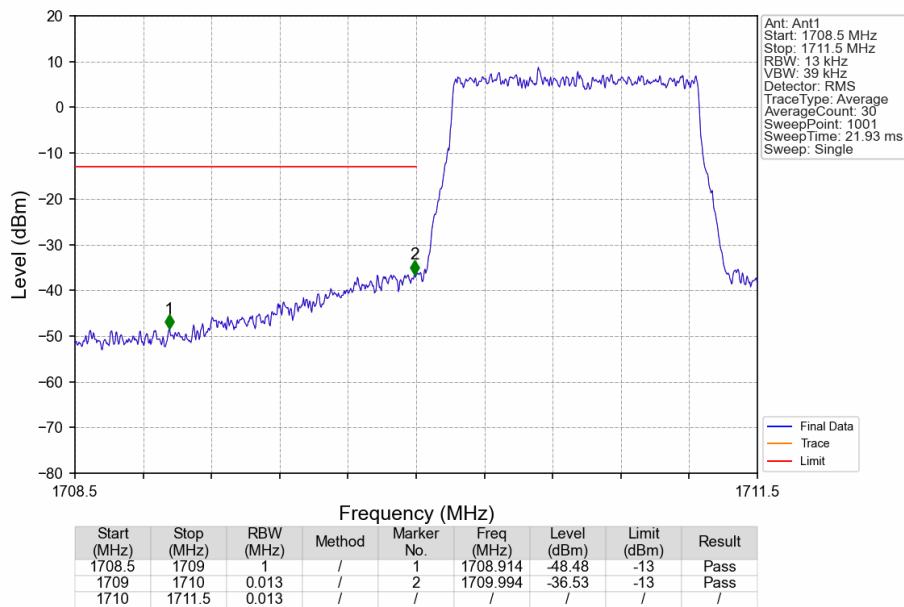


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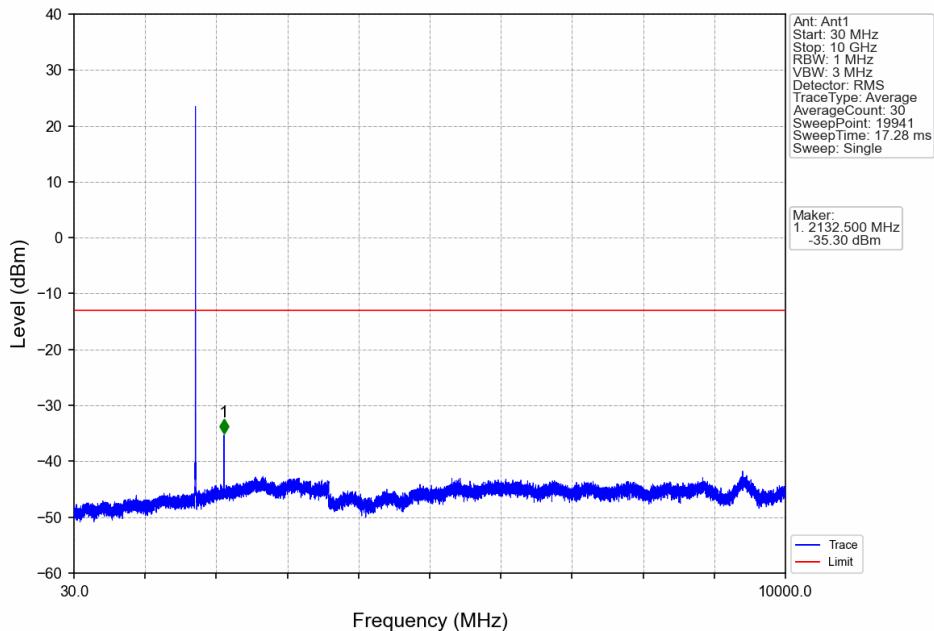


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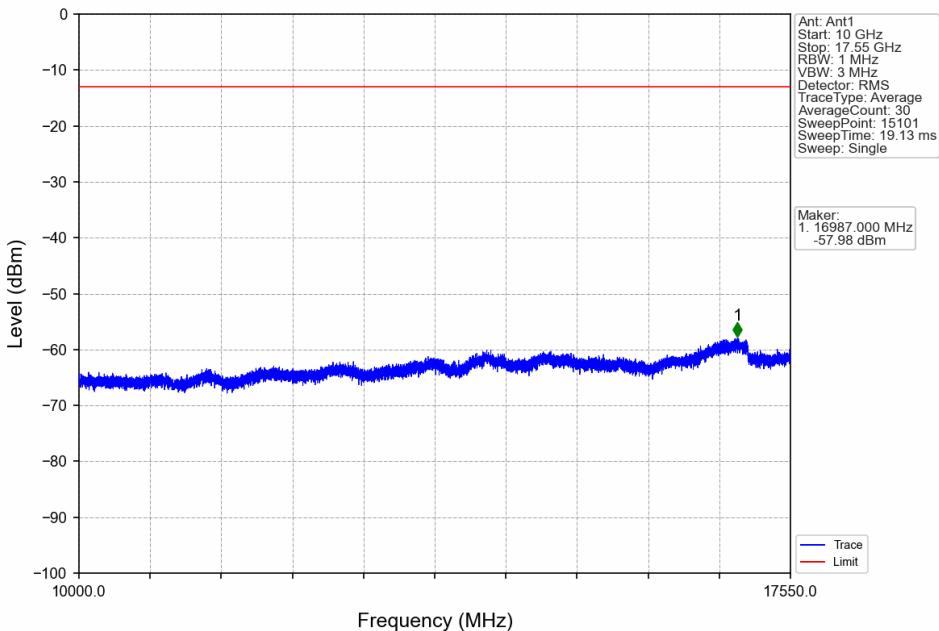


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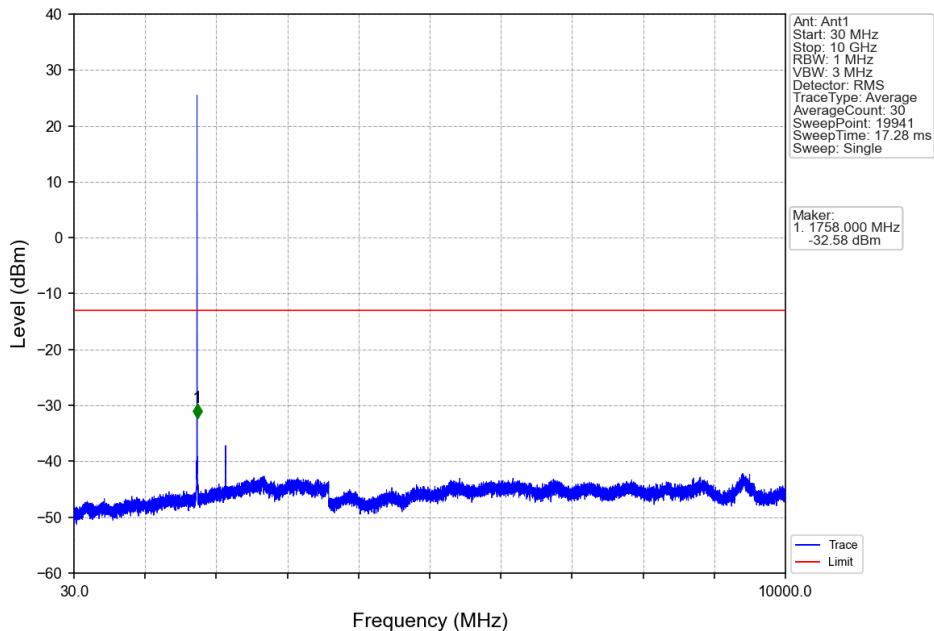


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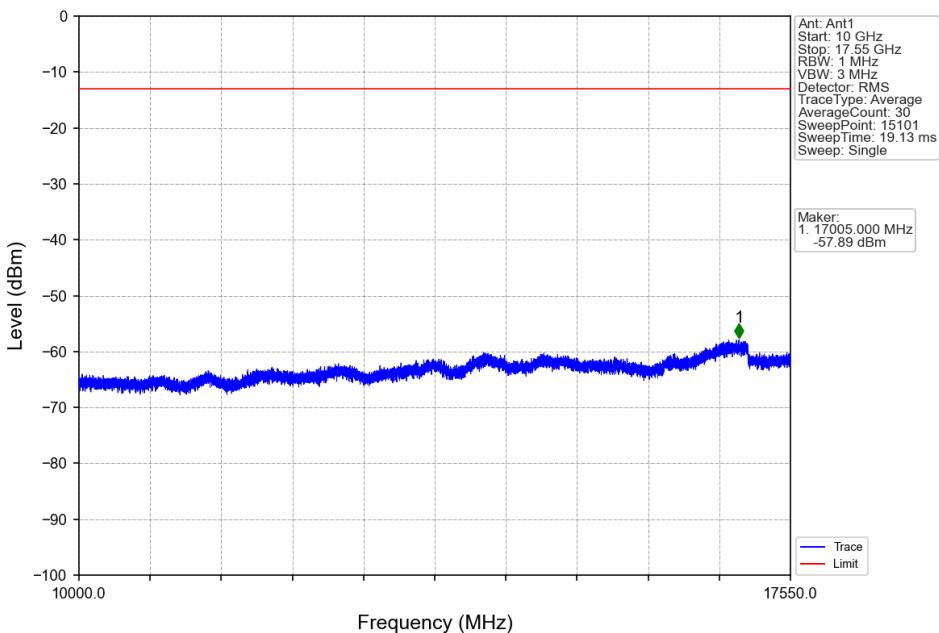


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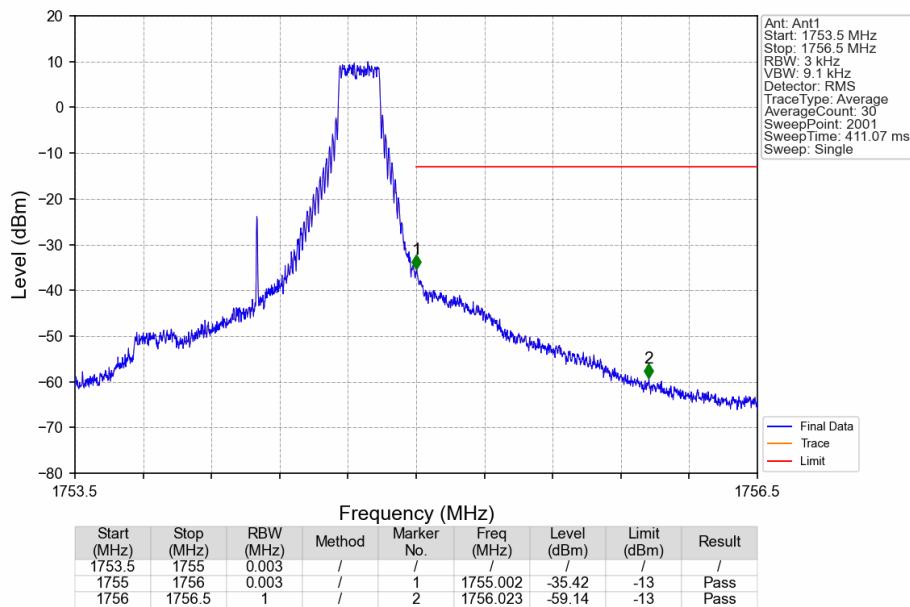


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