



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Page: 1 of 198

1. Spurious Emission

1.1 B2_1.4MHz

1.1.1 Test Result

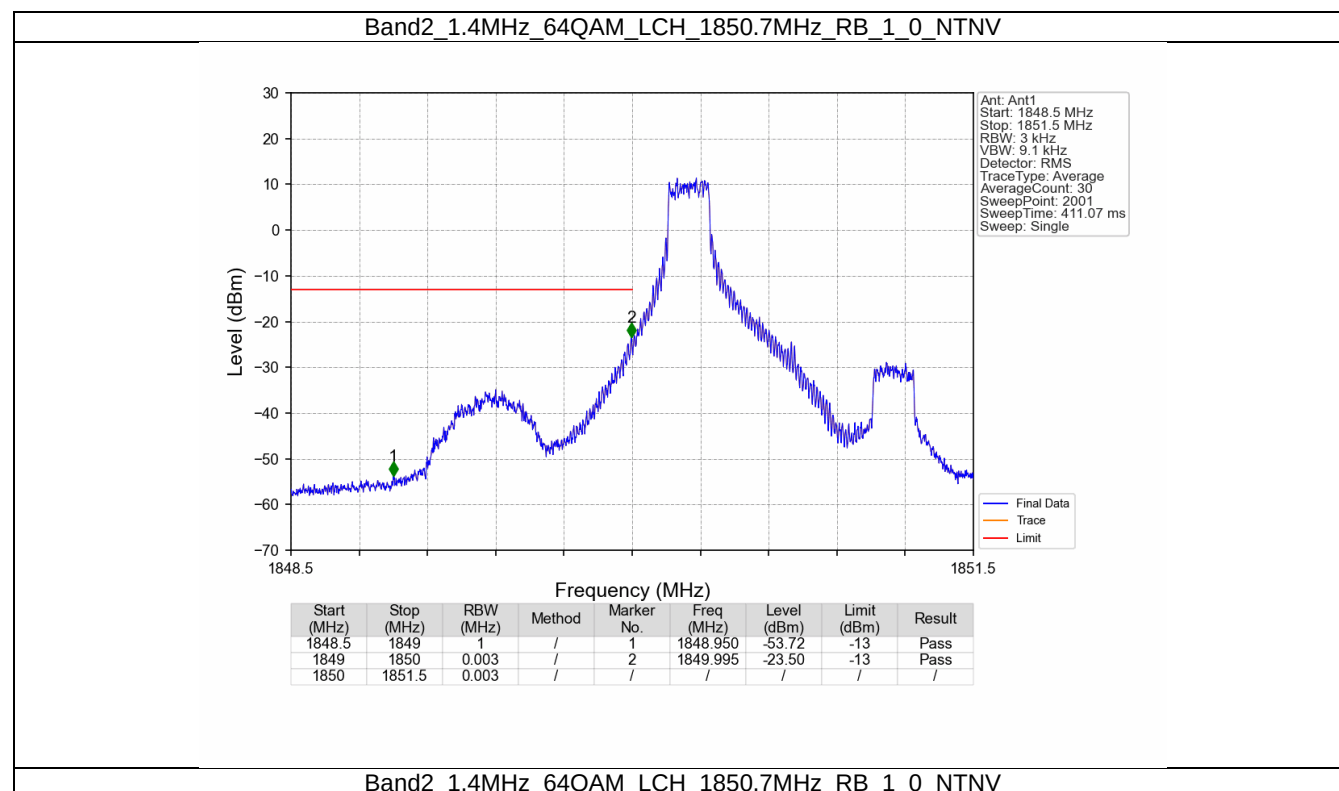
Band: 2 / Bandwidth: 1.4MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
64QAM	1850.7	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	1880	1	0	Refer To Test Graph	Pass
	1909.3	1	0	Refer To Test Graph	Pass
			5	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass



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1.1.2 Test Graph



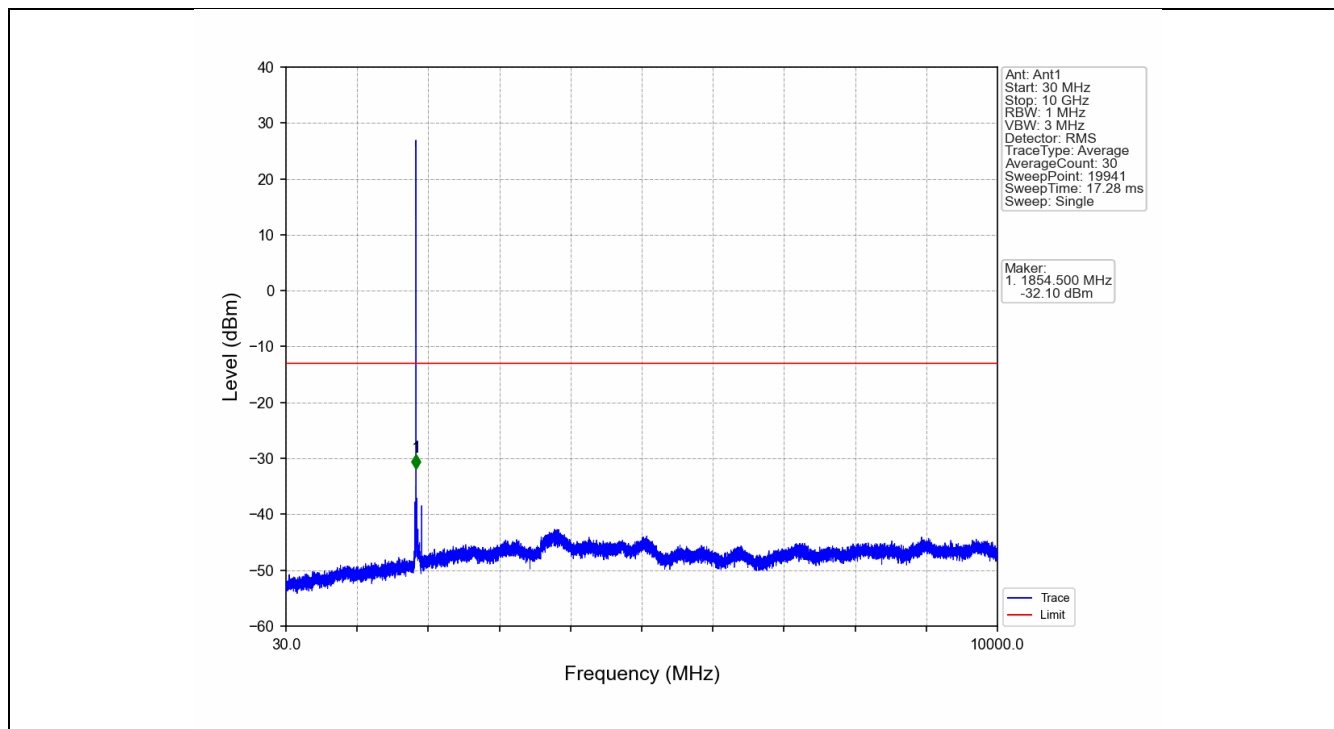
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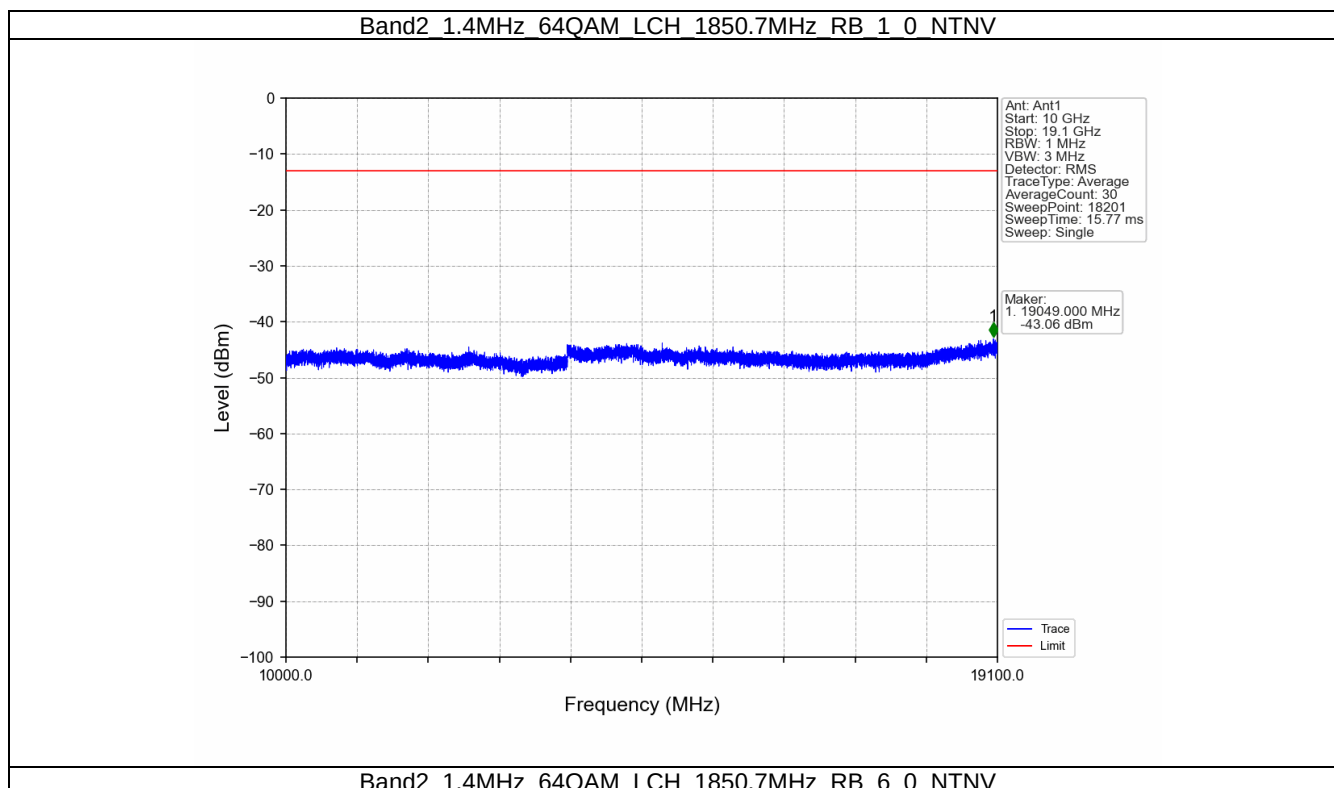
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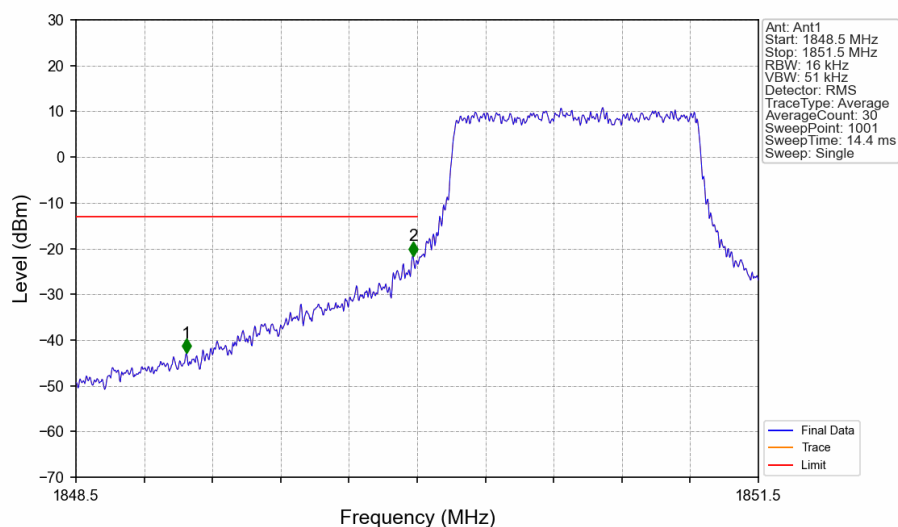
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.986	-42.87	-13	Pass
1849	1850	0.016	/	2	1849.982	-21.61	-13	Pass
1850	1851.5	0.016	/	/	/	/	/	/



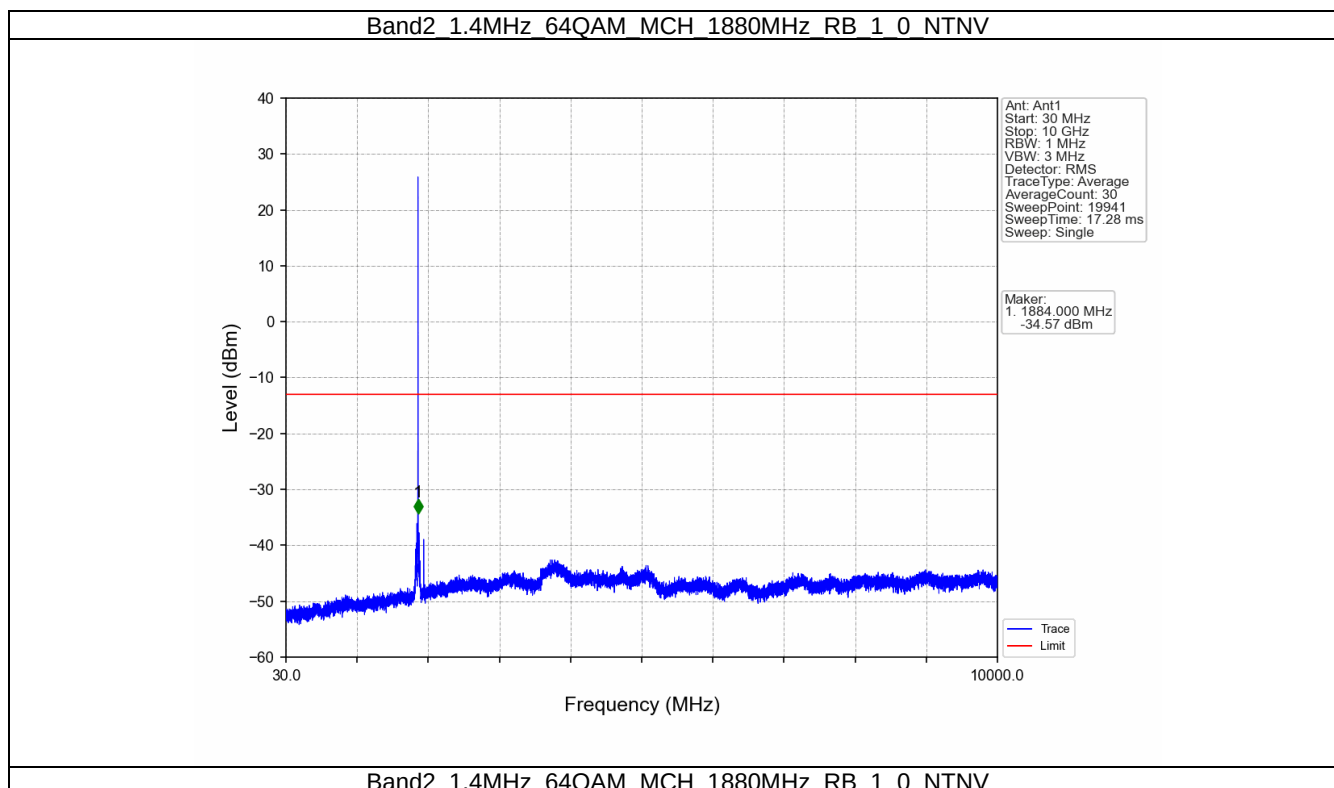
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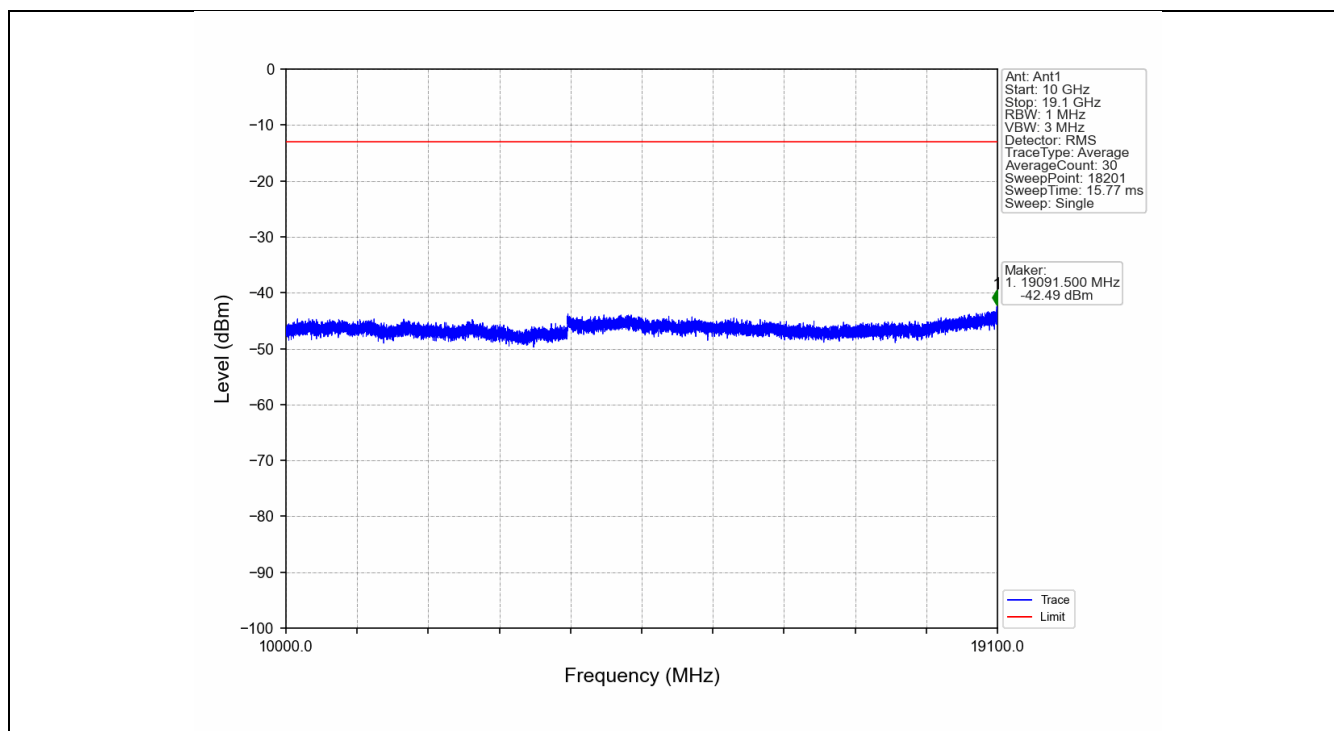
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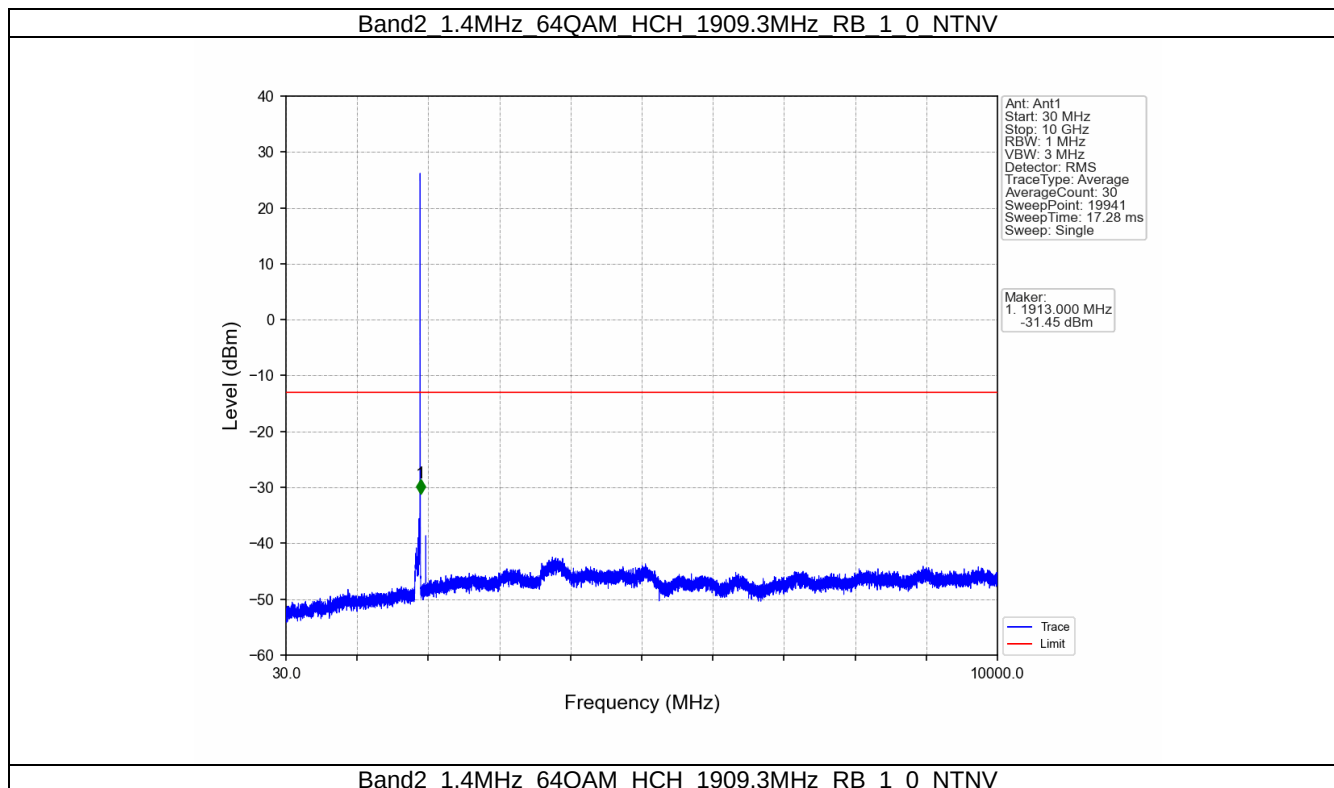


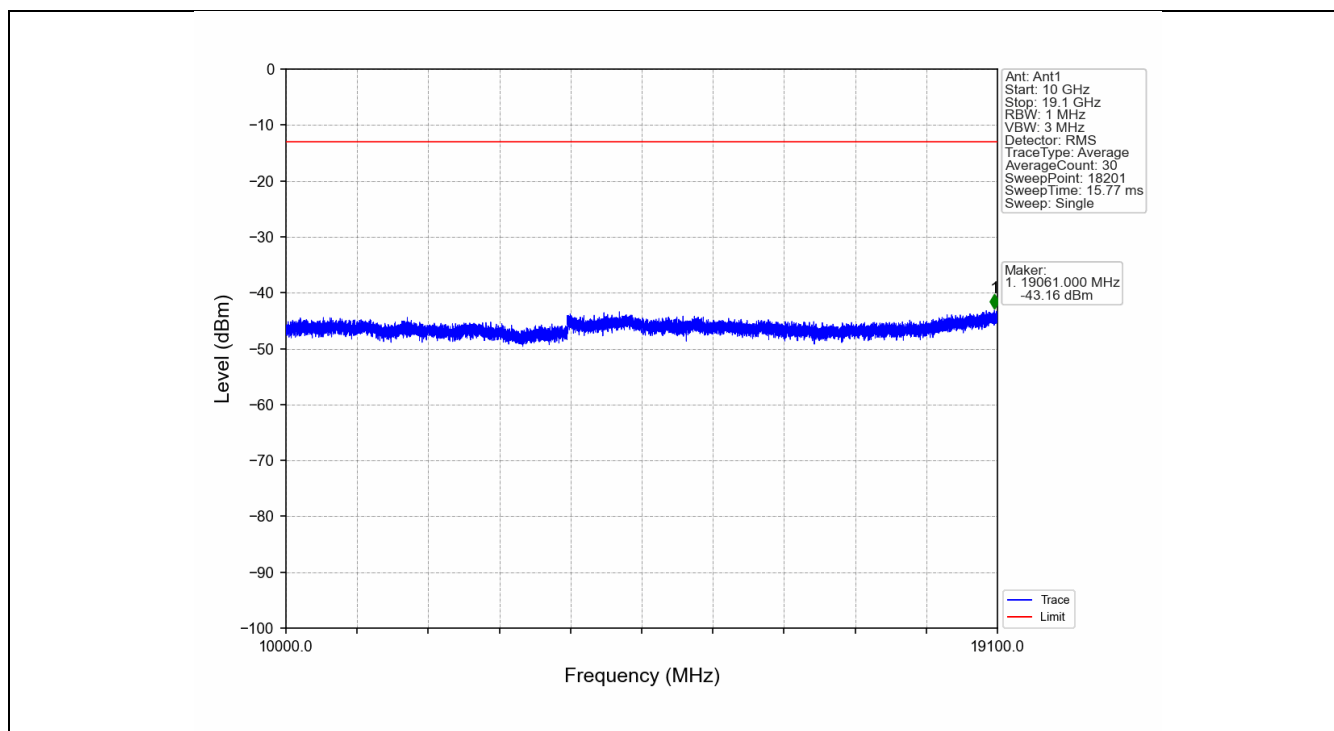


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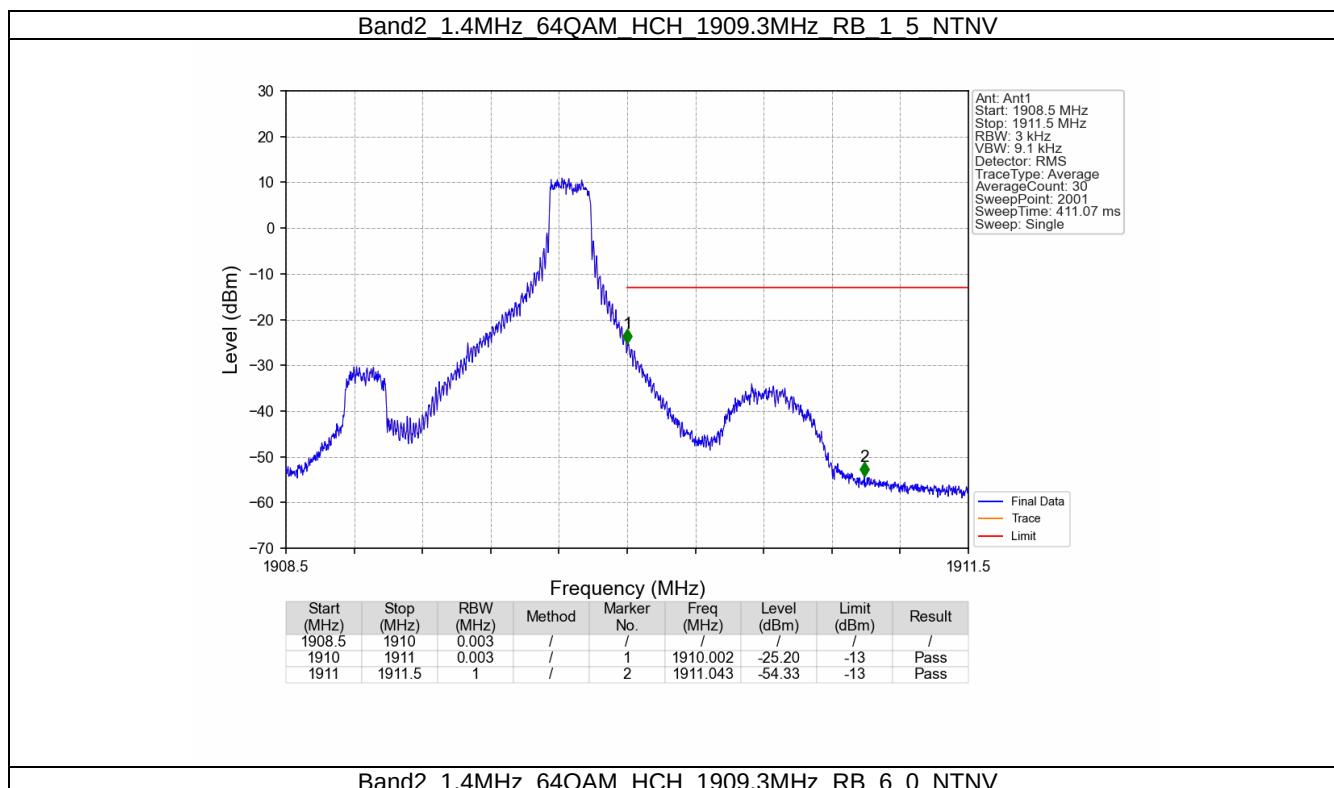
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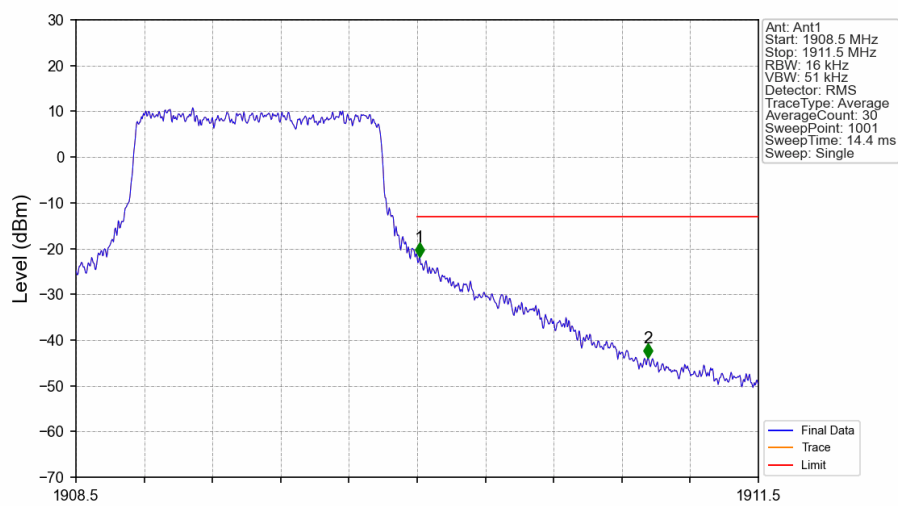
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Band2 1.4MHz 64QAM HCH 1909.3MHz RB 6 0 NTNV





Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1908.5	1910	0.016	/	1	1910.009	-21.90	-13	Pass
1910	1911	0.016	/	2	1911.014	-43.95	-13	Pass



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1.2 B2_3MHz

1.2.1 Test Result

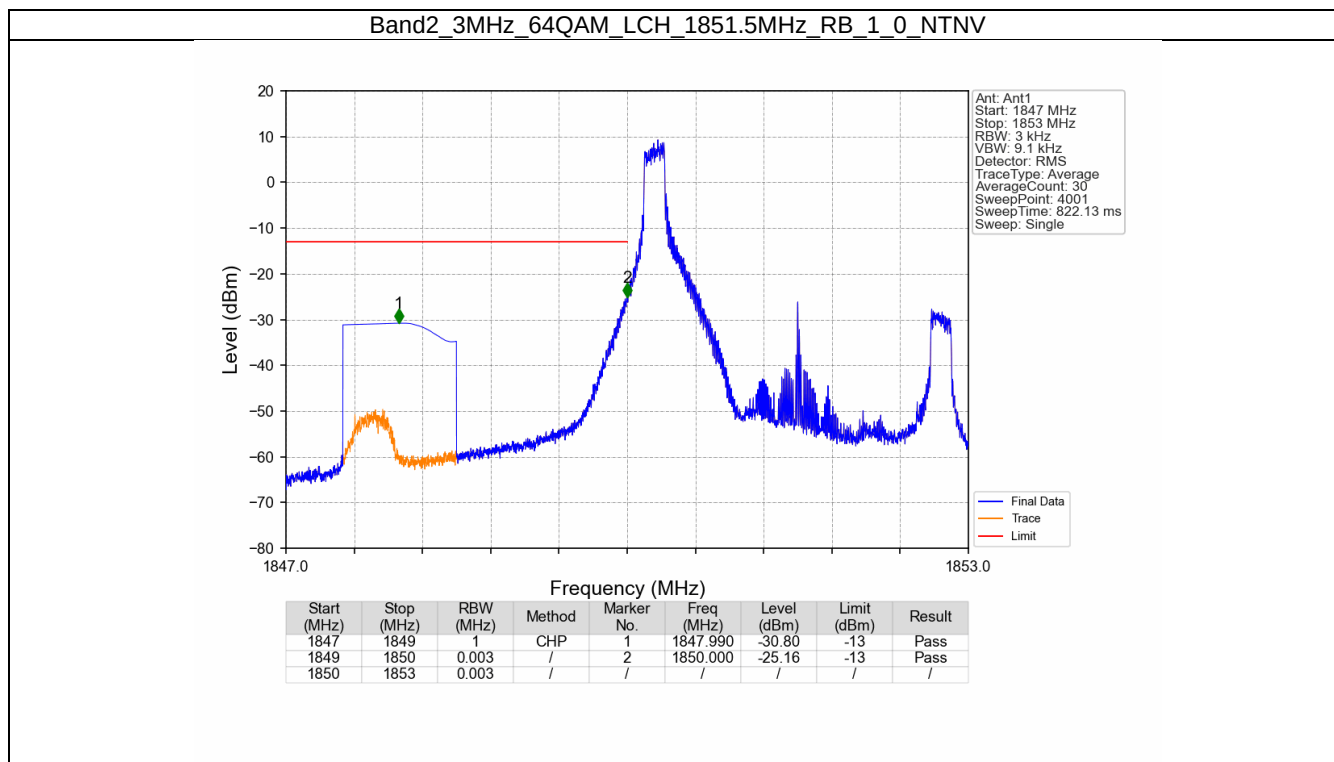
Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	1851.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1908.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass



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1.2.2 Test Graph



Band2_3MHz_64QAM_LCH_1851.5MHz_RB_1_0_NTNV



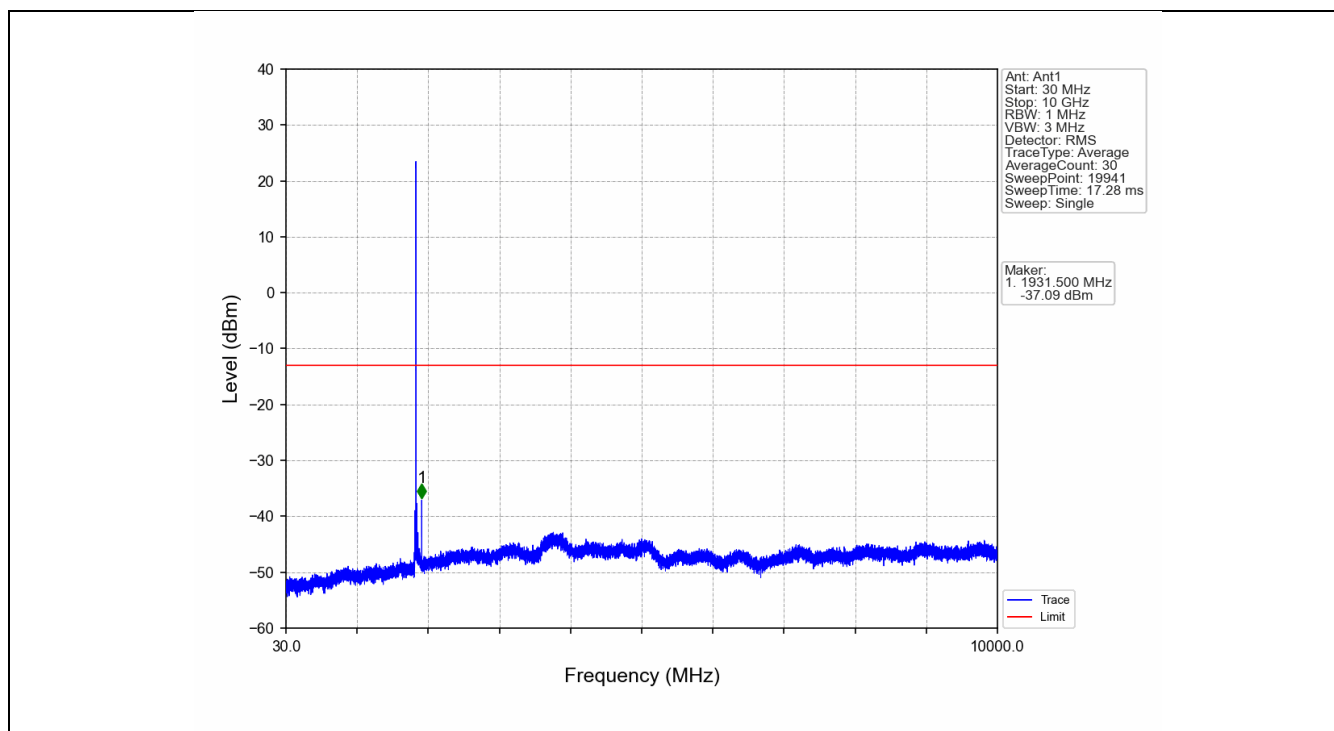
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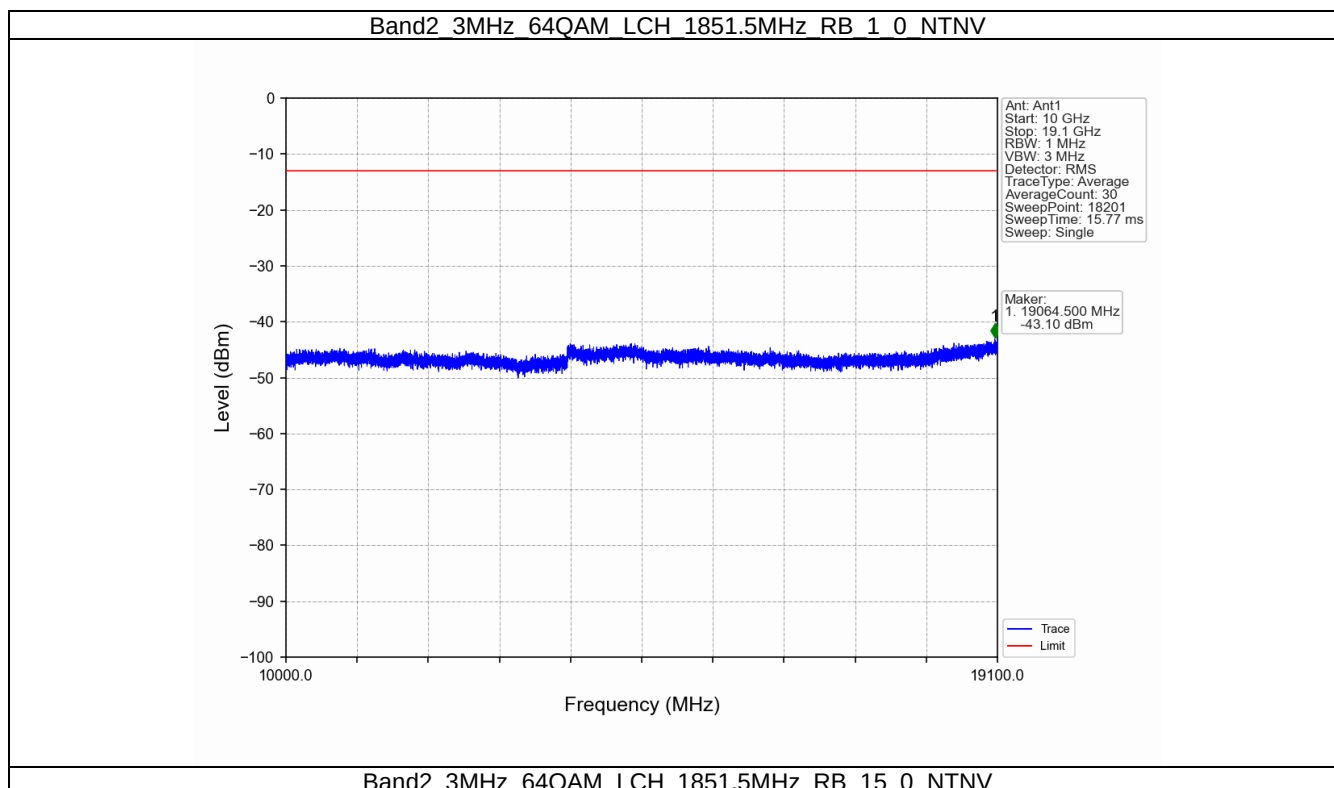
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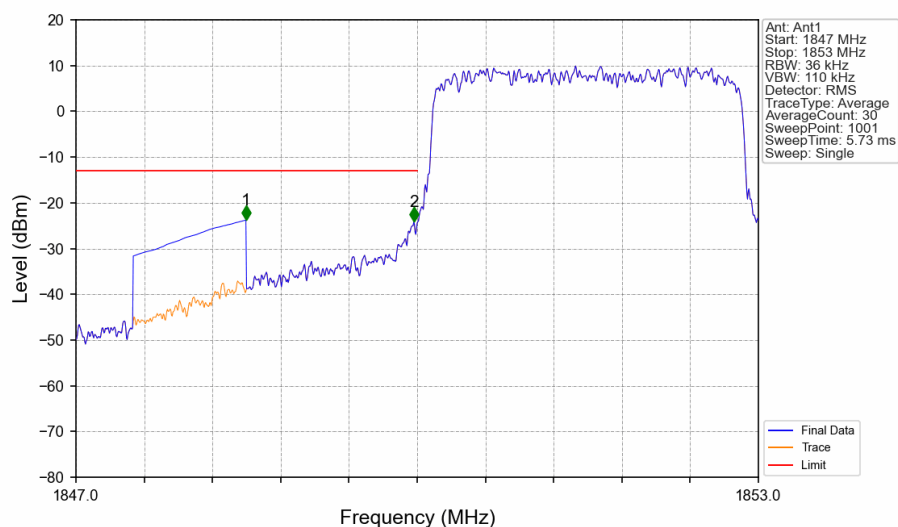
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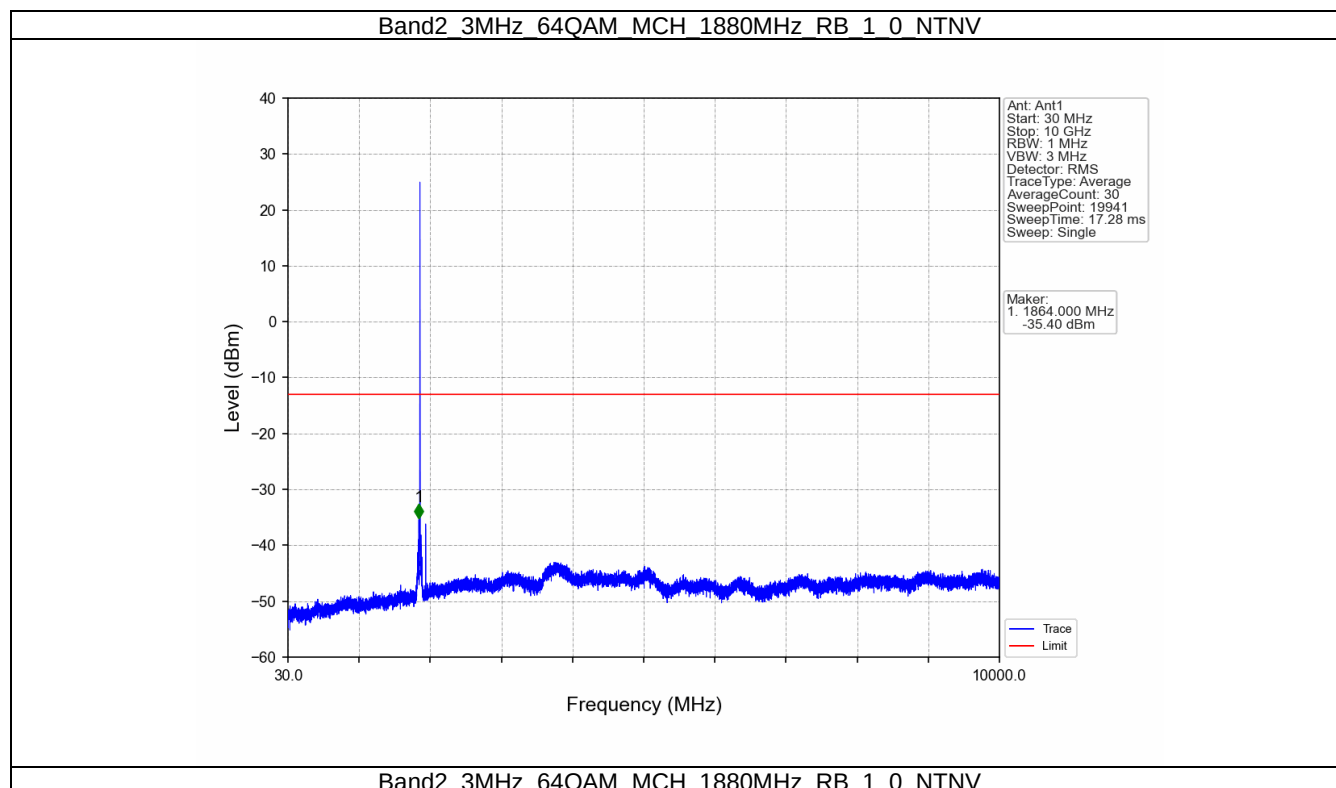


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.494	-23.78	-13	Pass
1849	1850	0.036	/	2	1849.970	-24.17	-13	Pass
1850	1853	0.036	/	/	/	/	/	/



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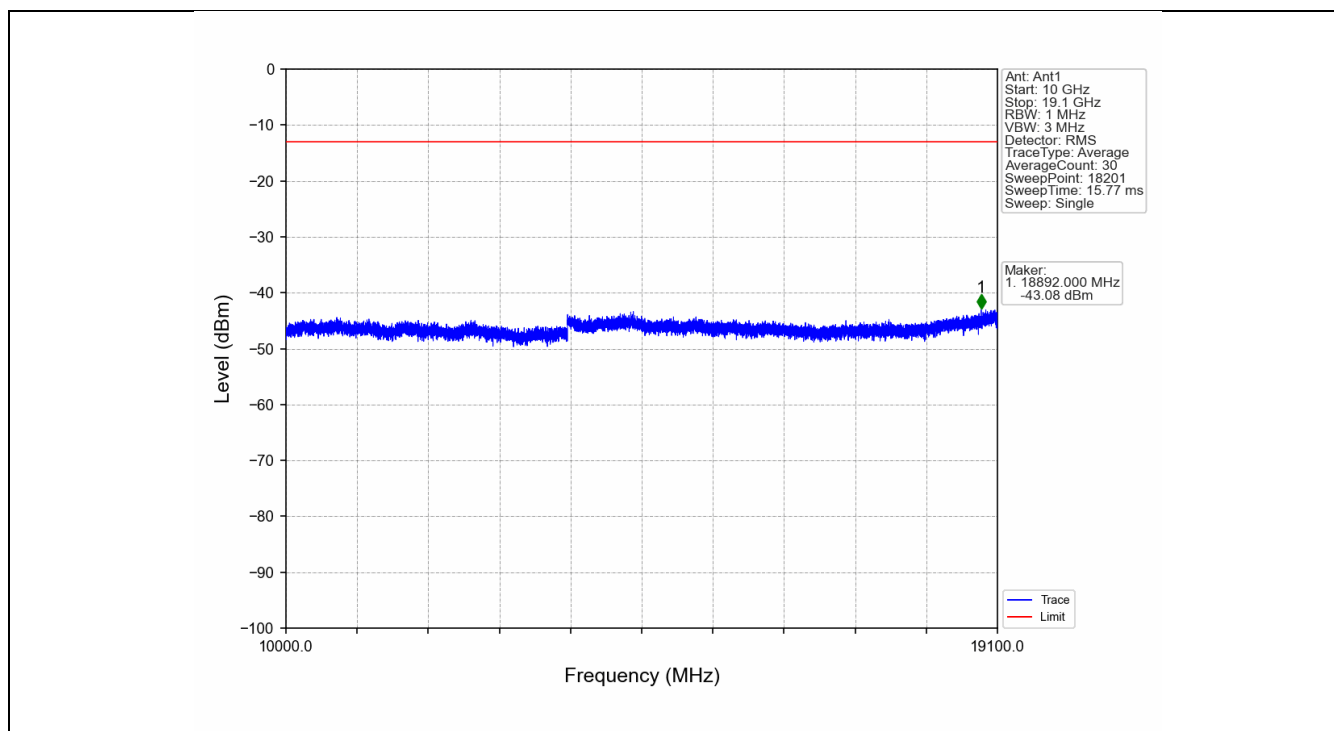
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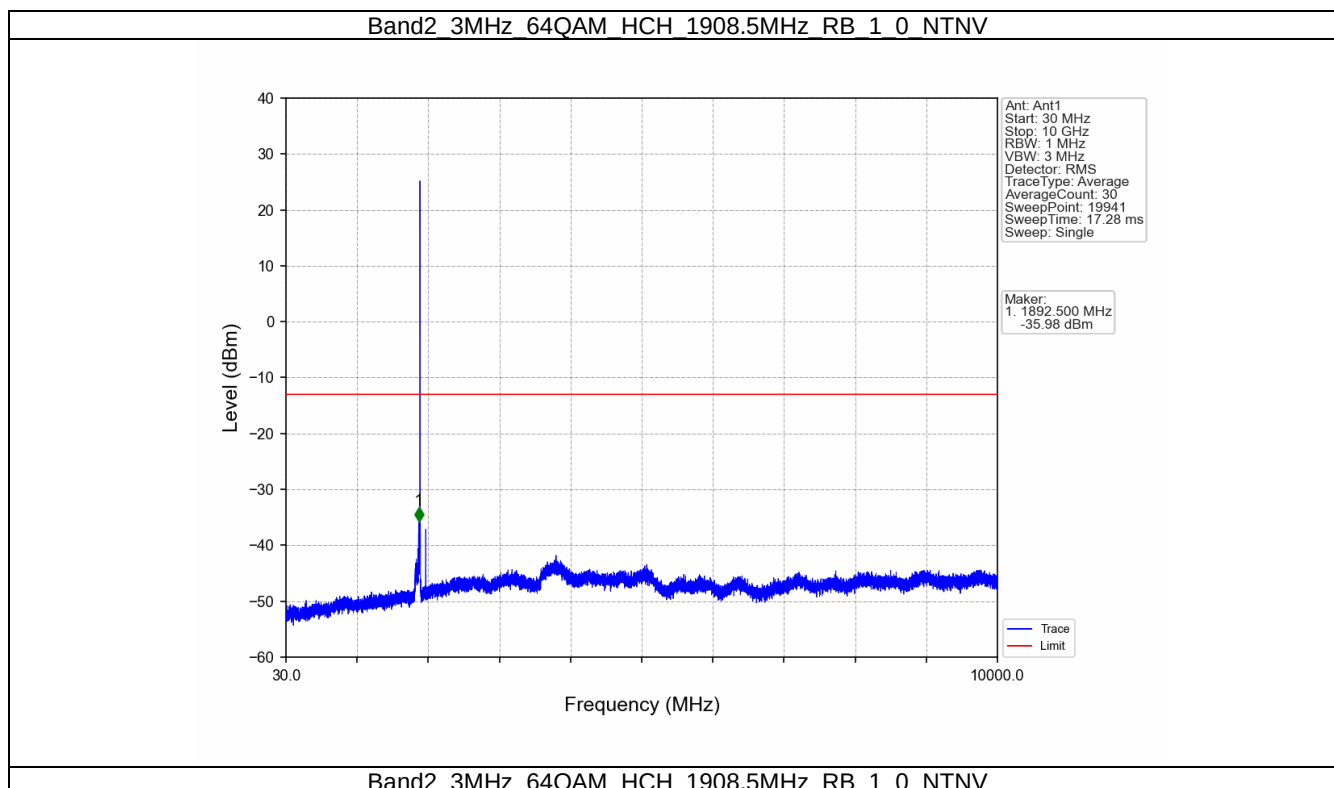
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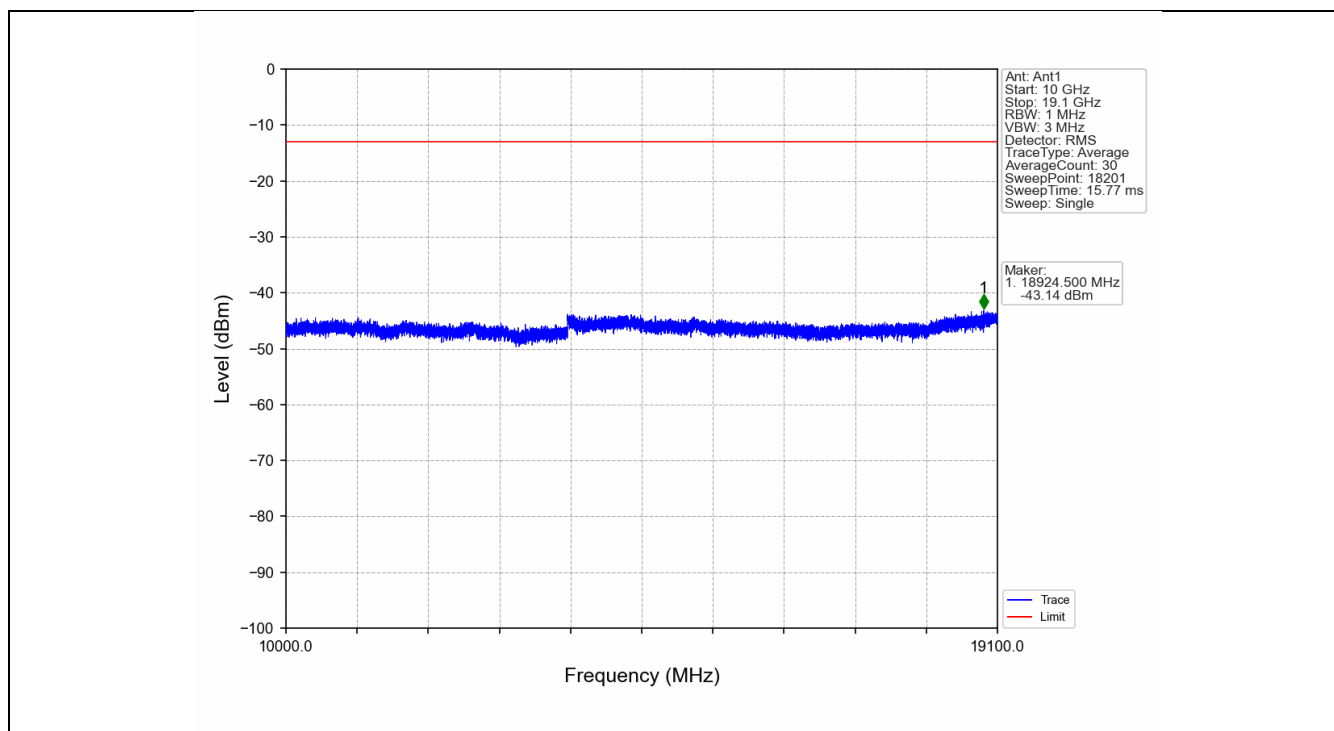
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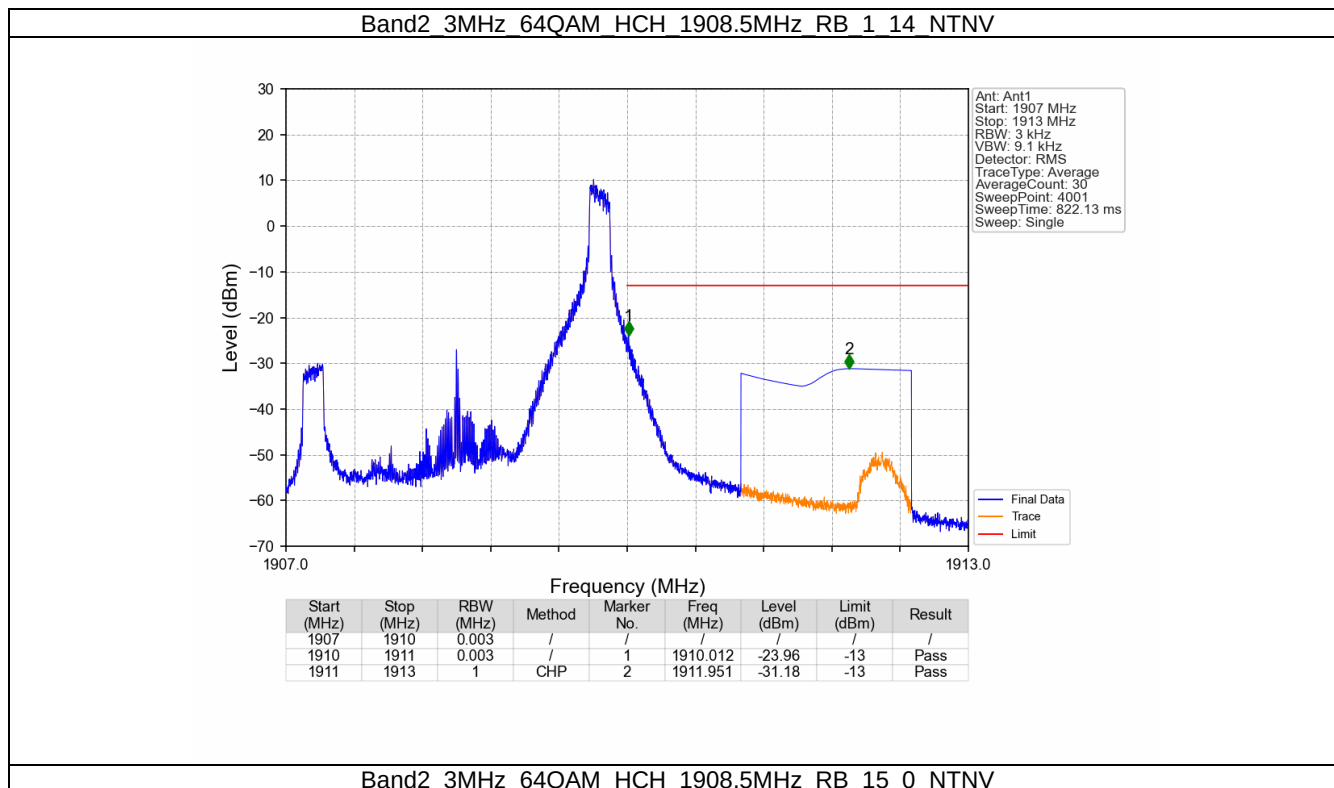
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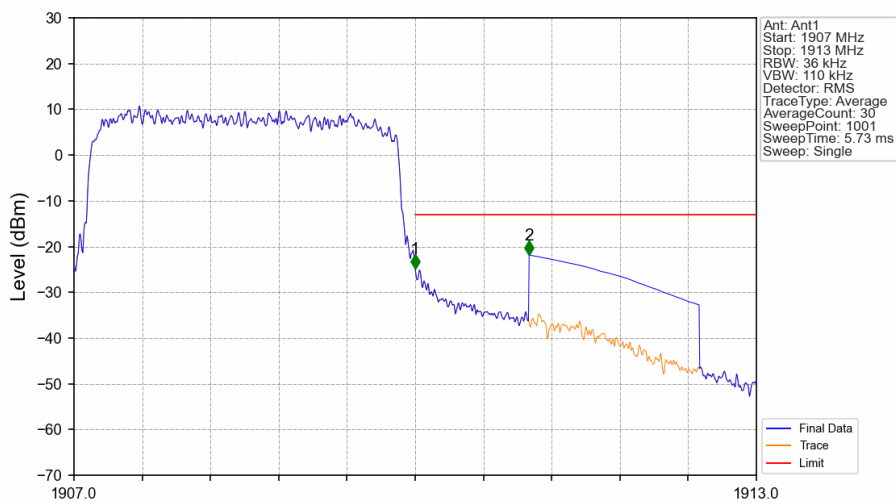
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Band2 3MHz 64QAM HCH 1908.5MHz RB 15 0 NTV





Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.036	/	1	1910.000	-24.82	-13	Pass
1910	1911	0.036	/	1	1910.000	-24.82	-13	Pass
1911	1913	1	CHP	2	1911.002	-21.85	-13	Pass



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1.3 B2_5MHz

1.3.1 Test Result

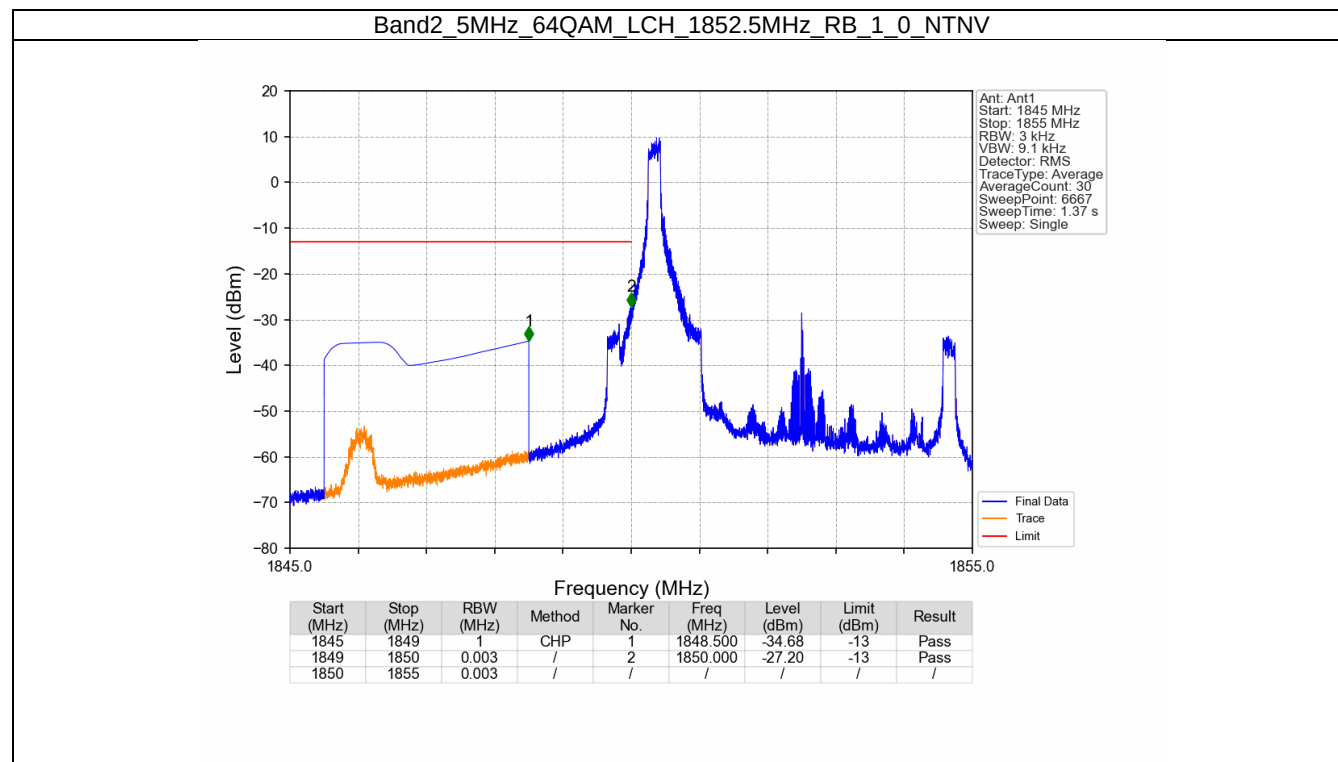
Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	1852.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1907.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



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1.3.2 Test Graph



Band2_5MHz_64QAM_LCH_1852.5MHz_RB_1_0_NTNV



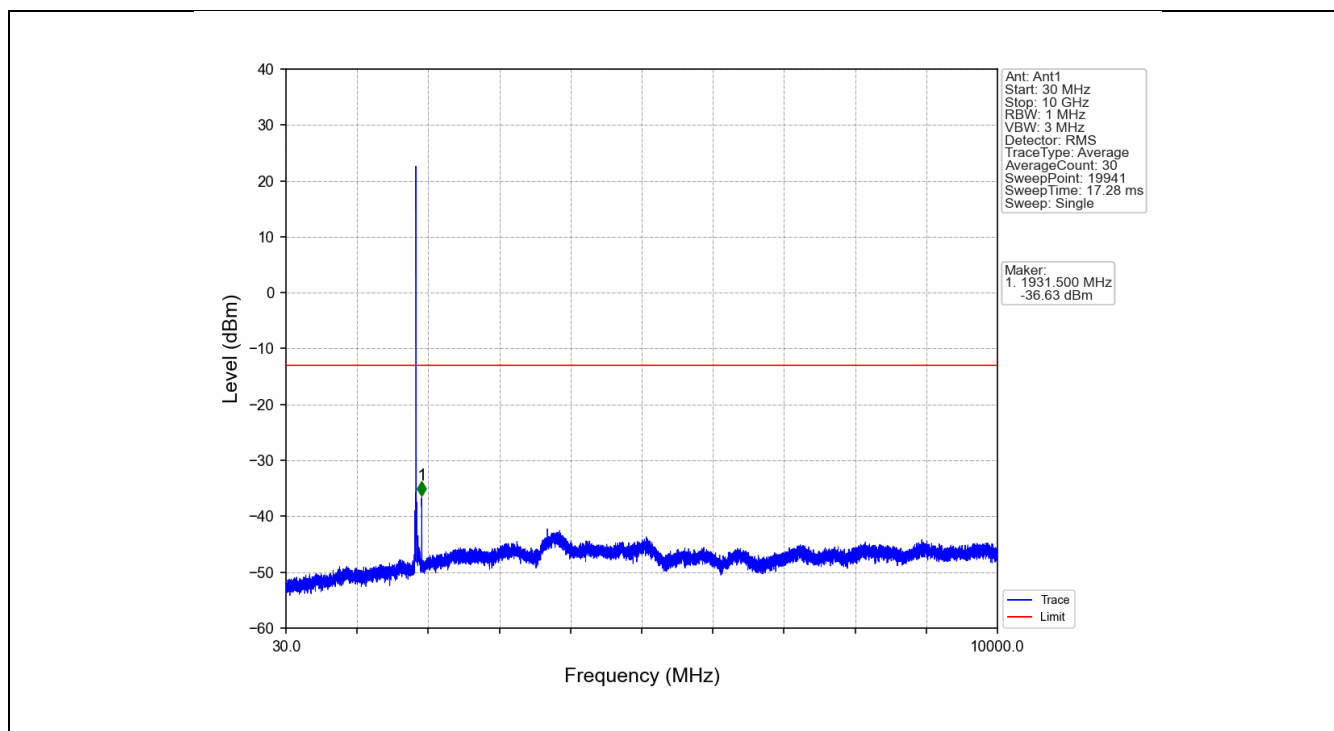
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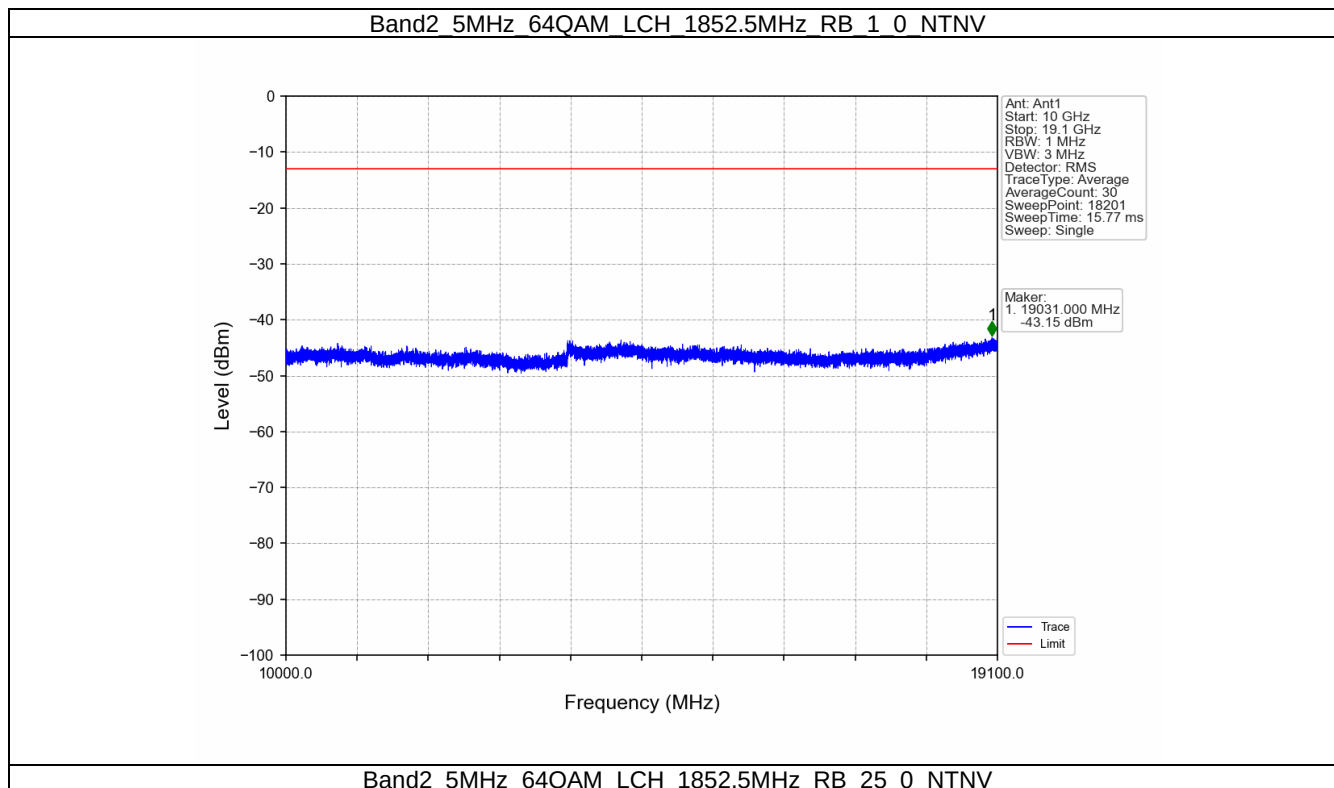
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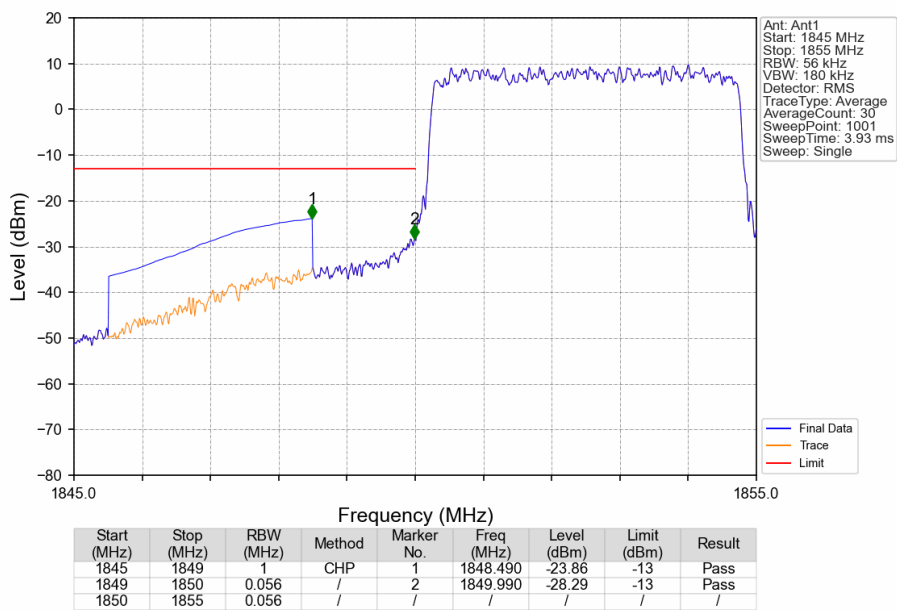
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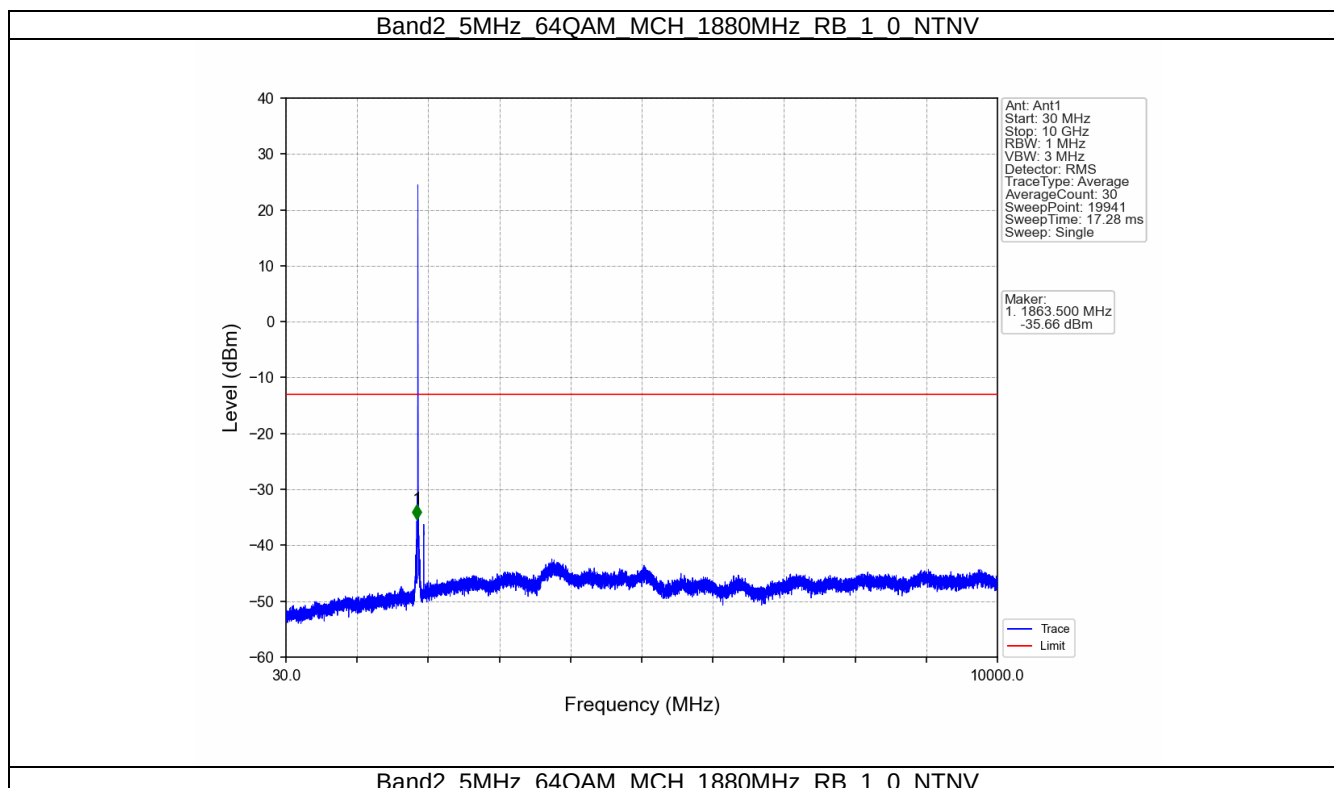
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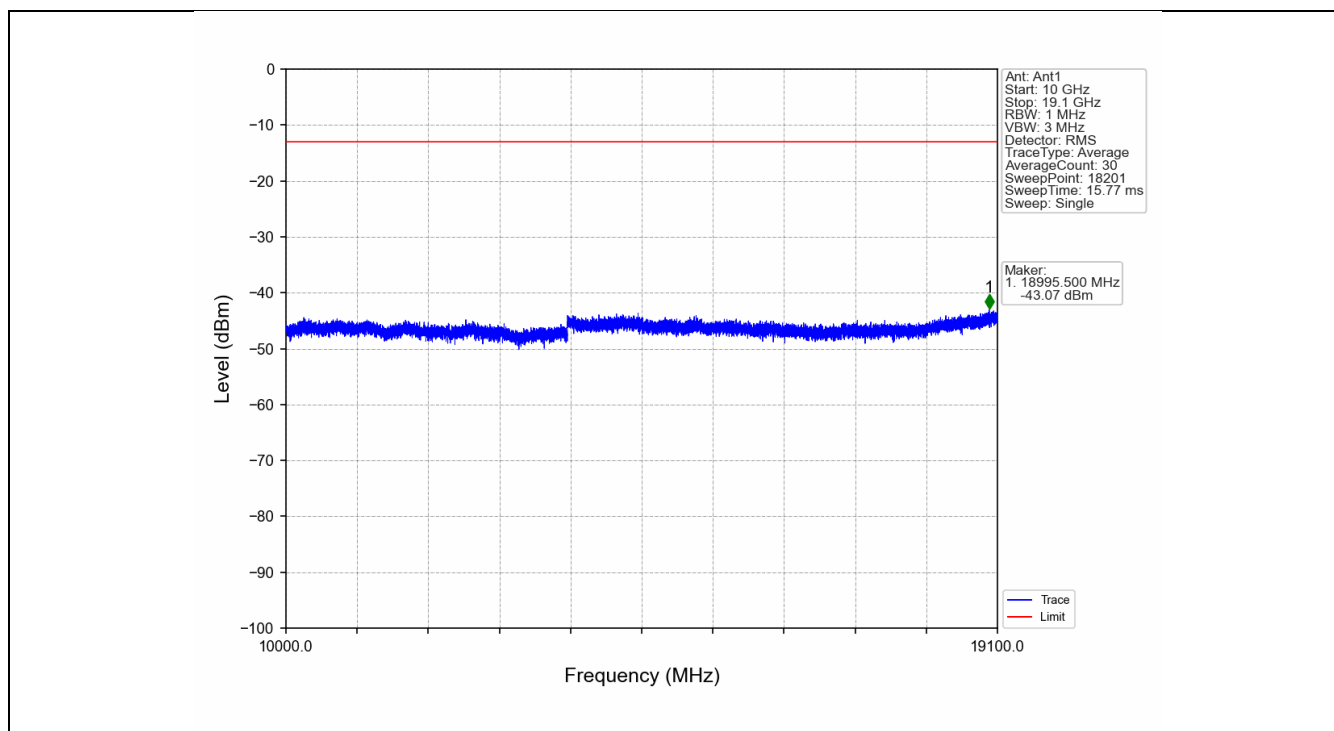
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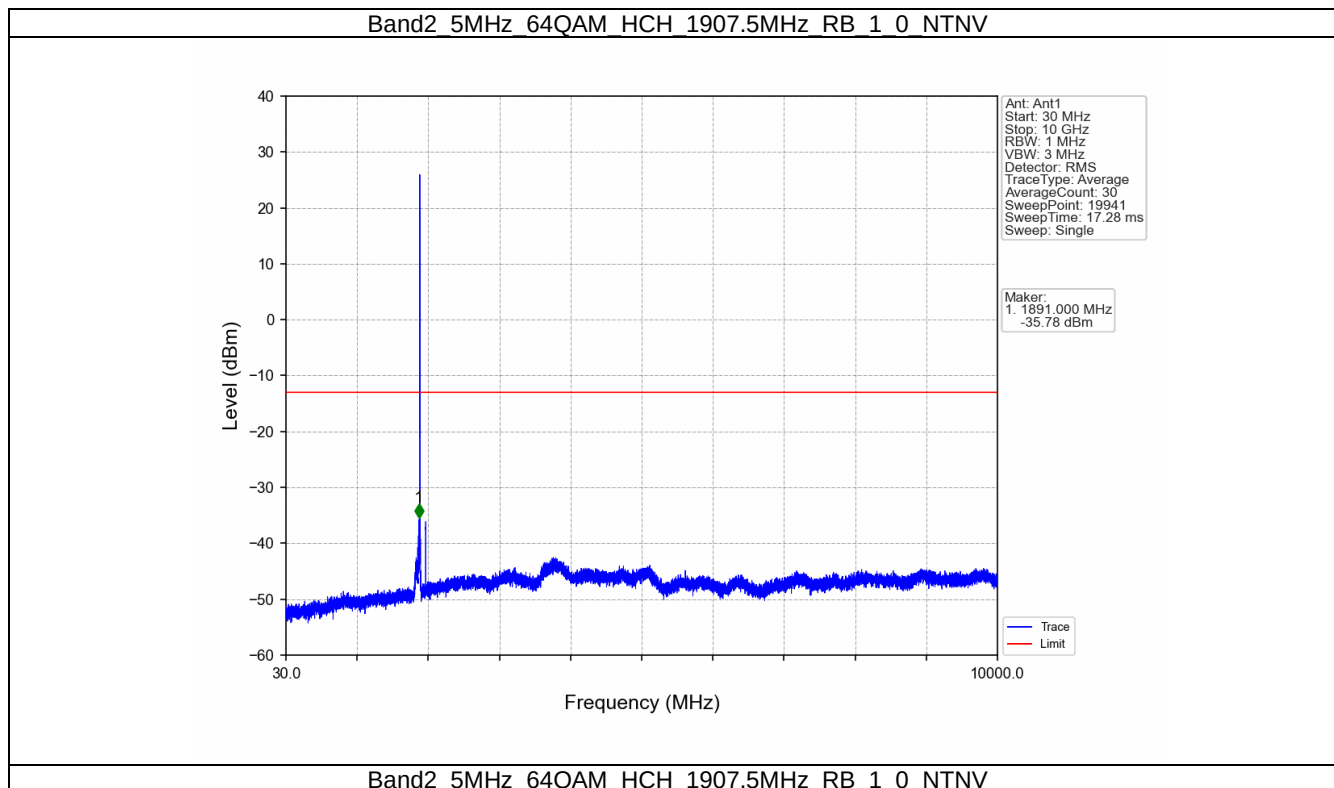
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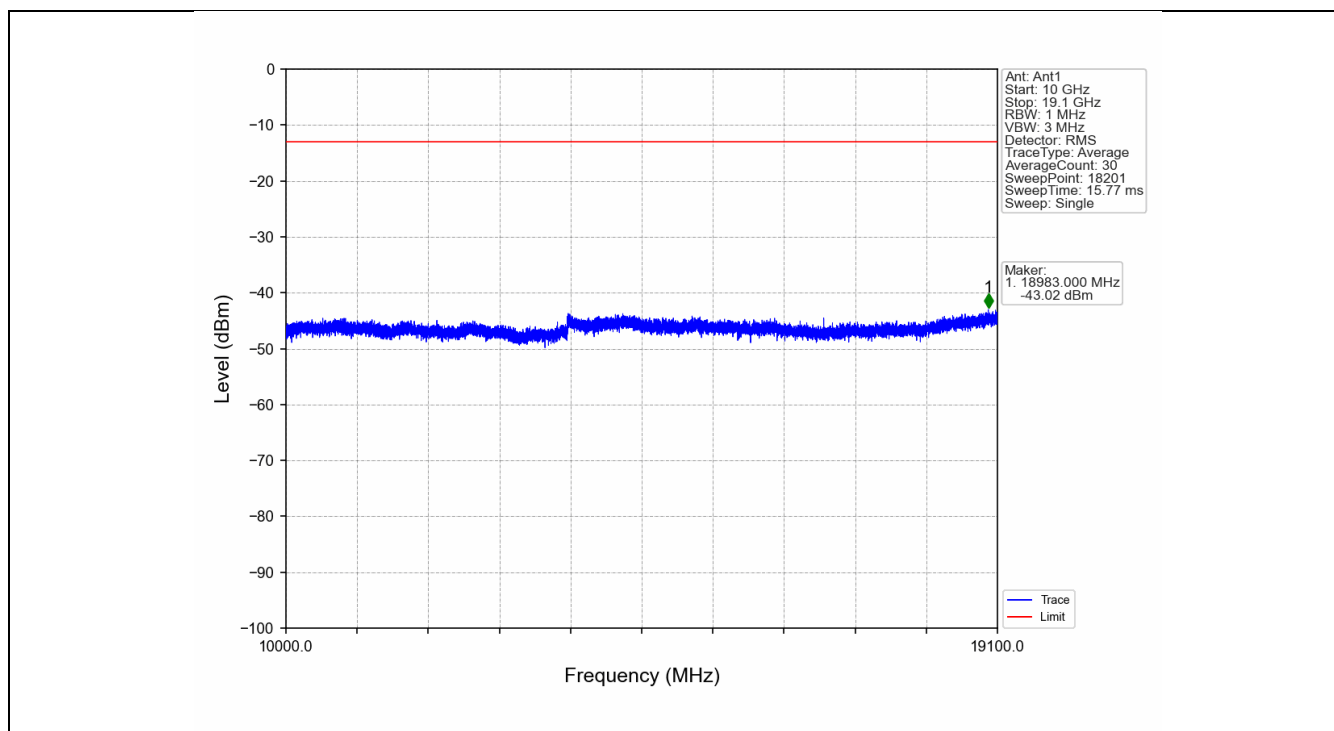
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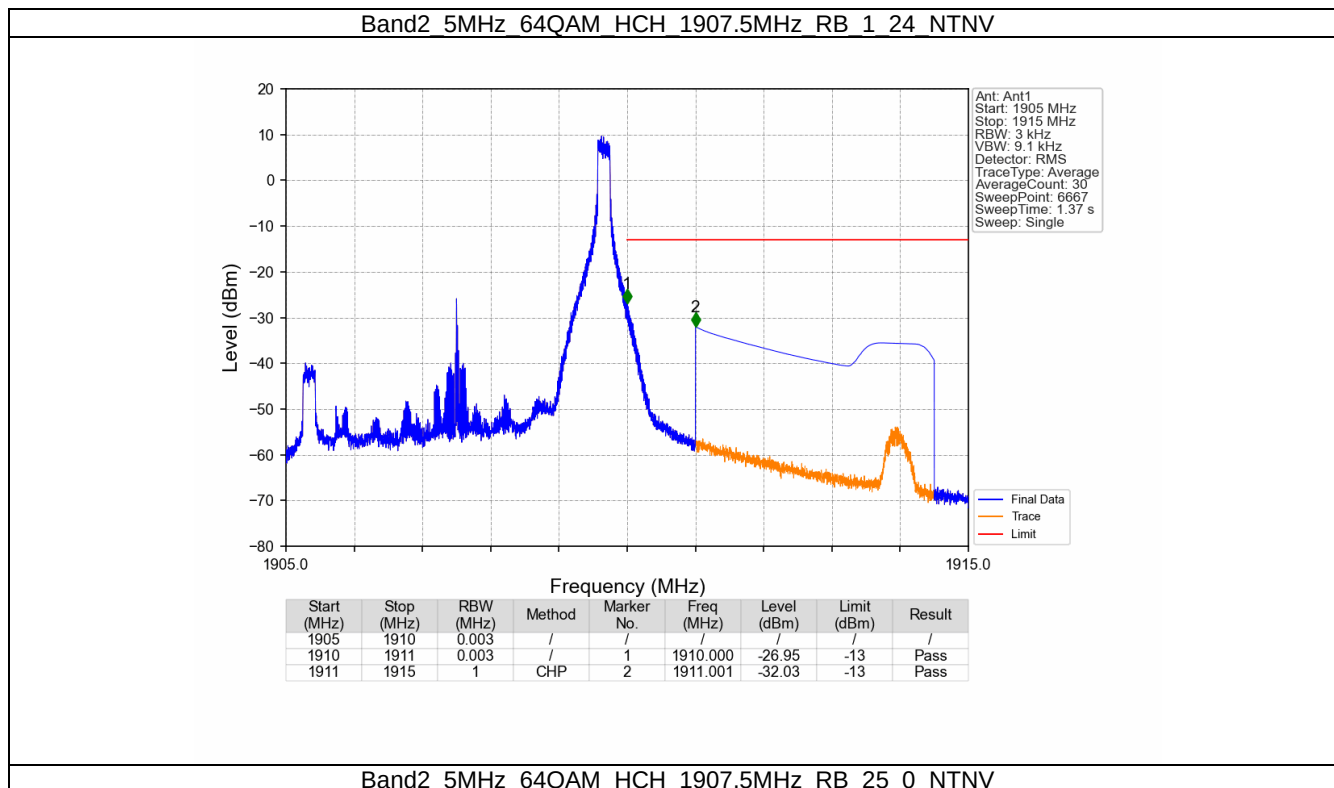
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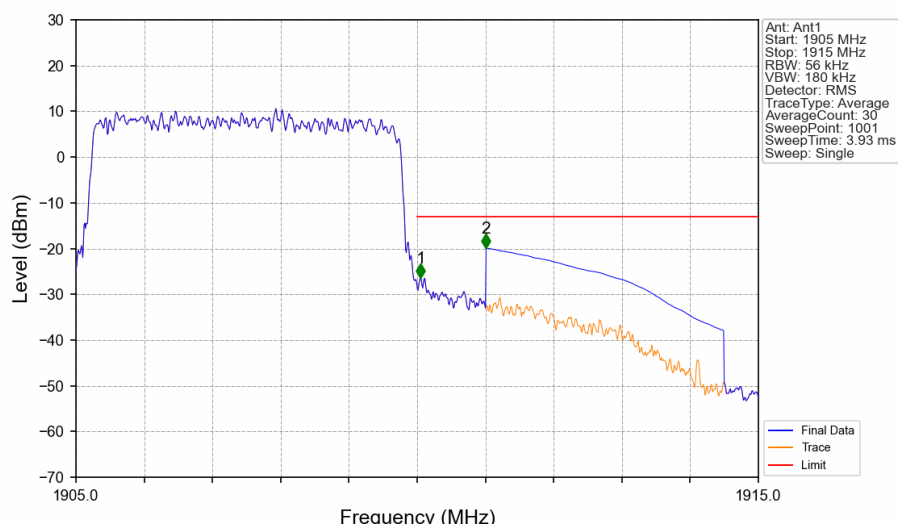


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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1910	0.056	/	1	1910.050	-26.42	-13	Pass
1910	1911	0.056	/	2	1911.010	-19.94	-13	Pass



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1.4 B2_10MHz

1.4.1 Test Result

Band: 2 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	1855	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1905	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass



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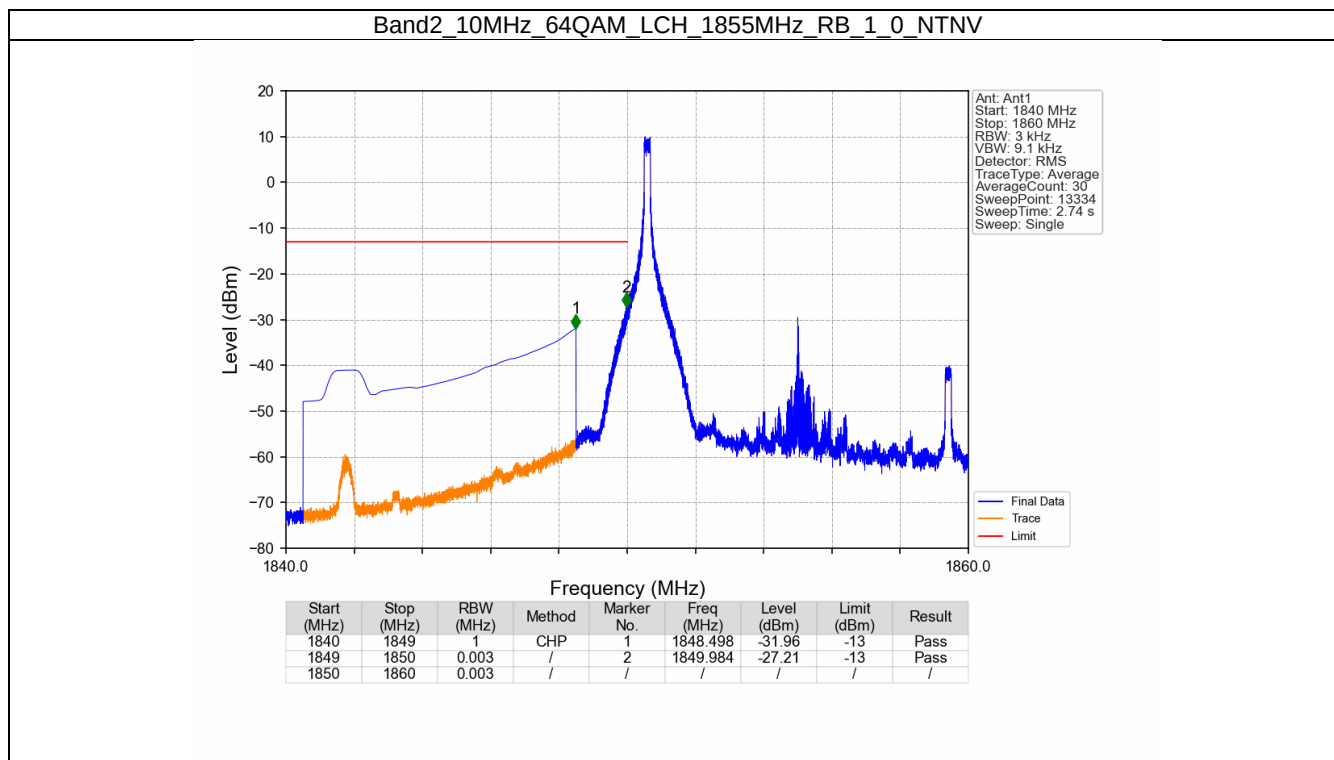
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1.4.2 Test Graph



Band2_10MHz_64QAM_LCH_1855MHz_RB_1_0_NTNV



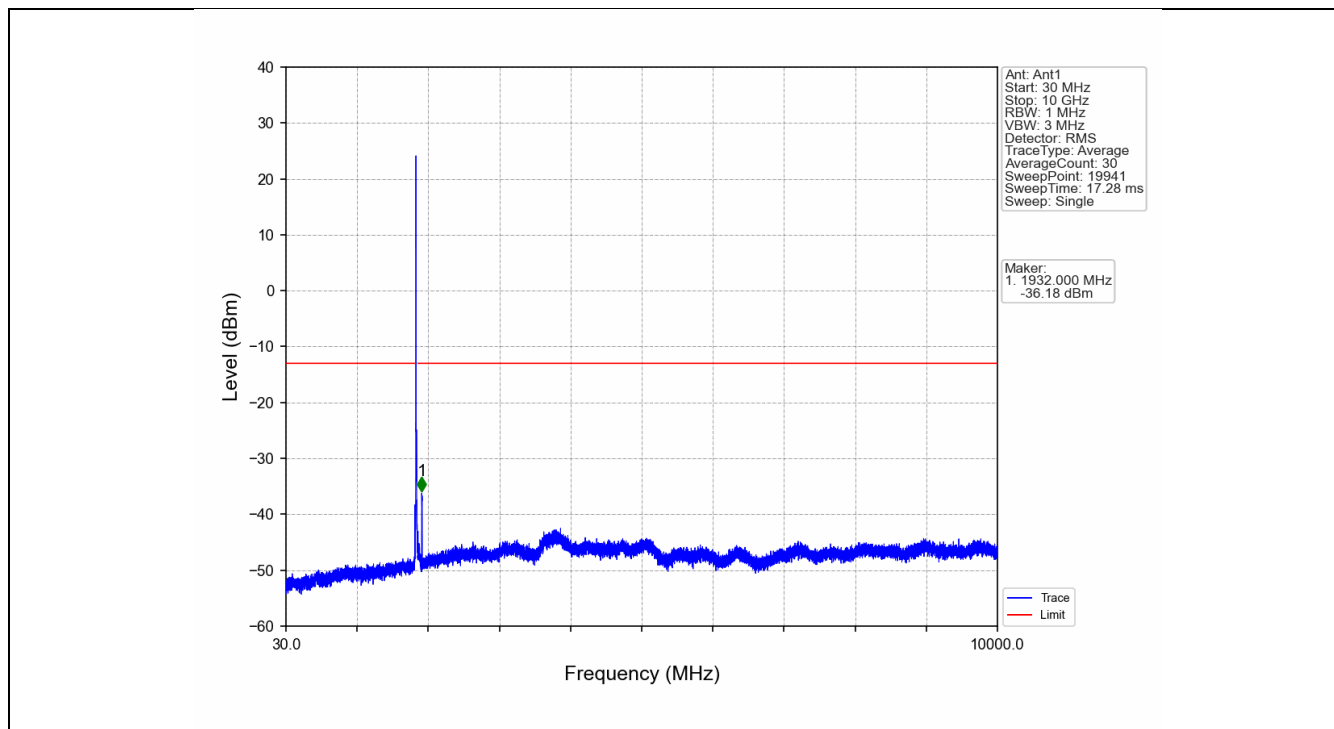
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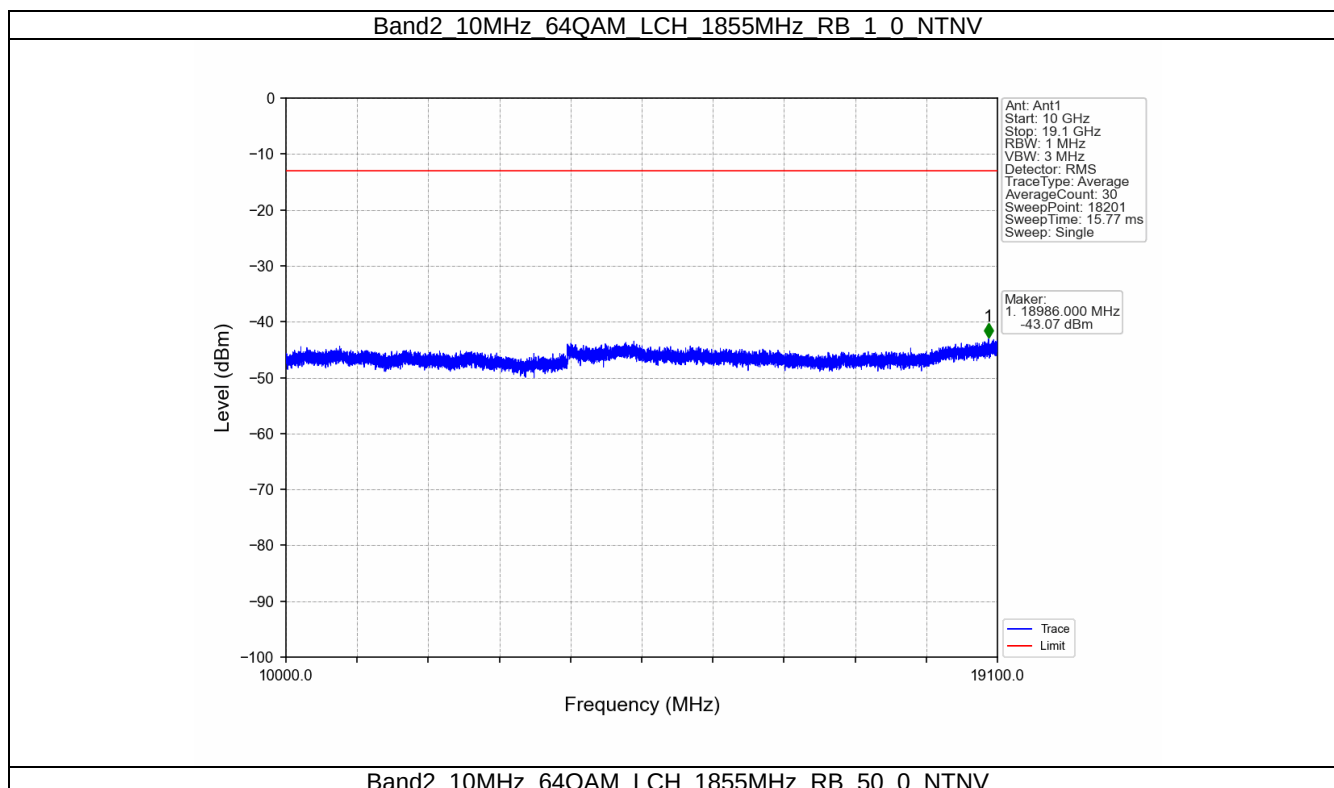
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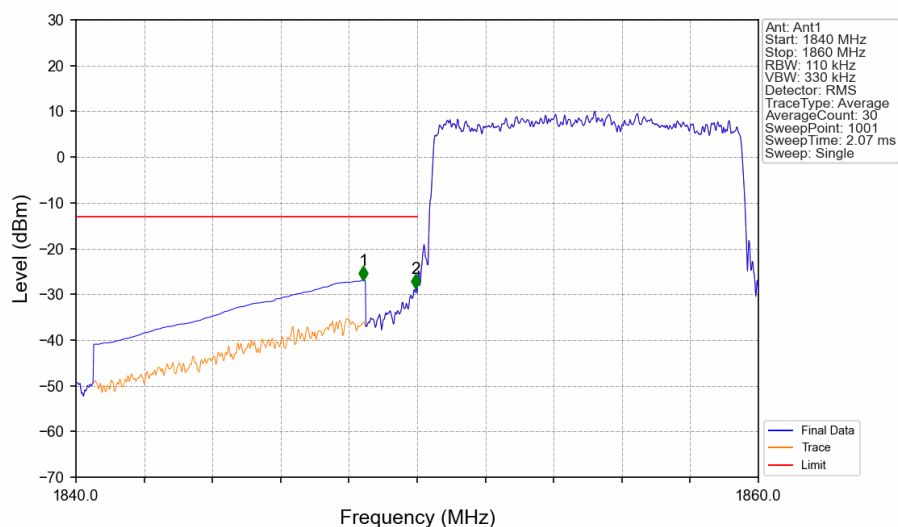
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.420	-26.92	-13	Pass
1849	1850	0.11	/	2	1849.960	-28.73	-13	Pass
1850	1860	0.11	/	/	/	/	/	/



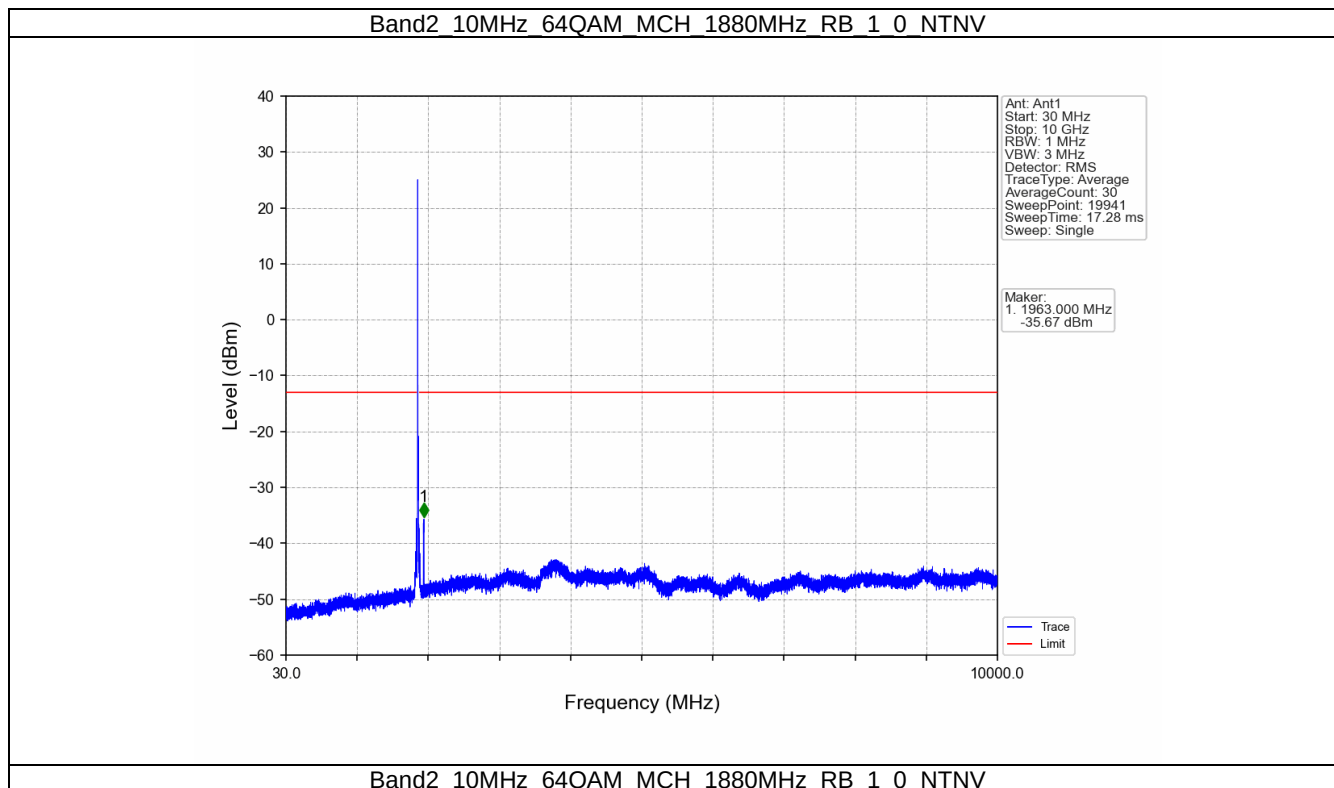
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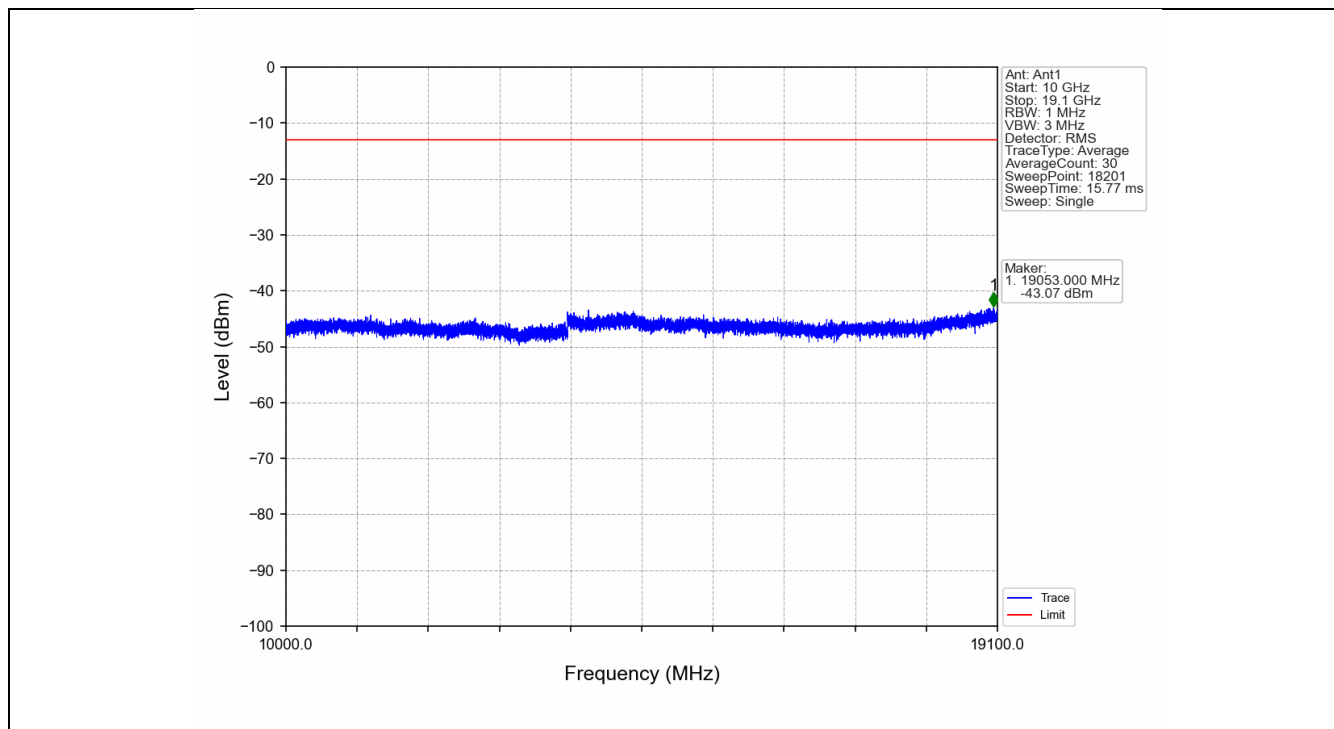
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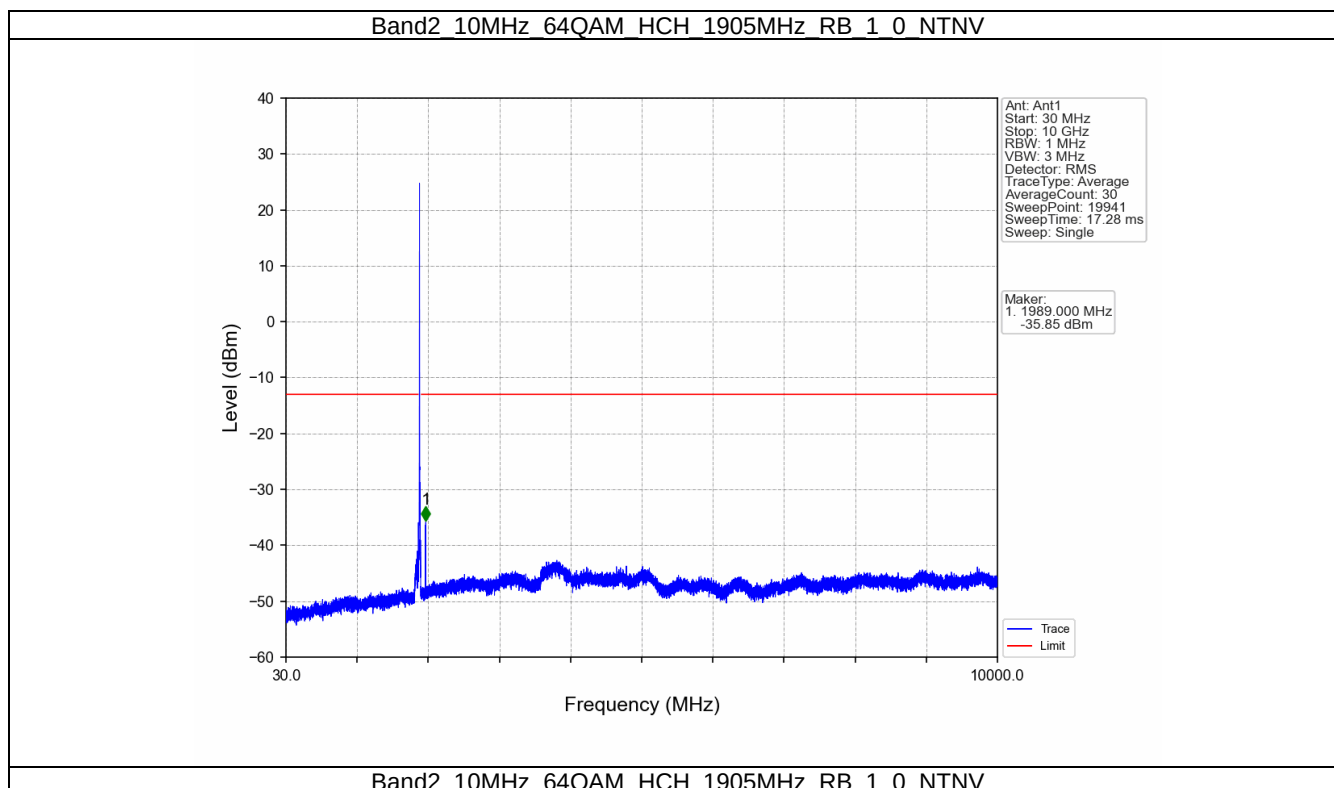
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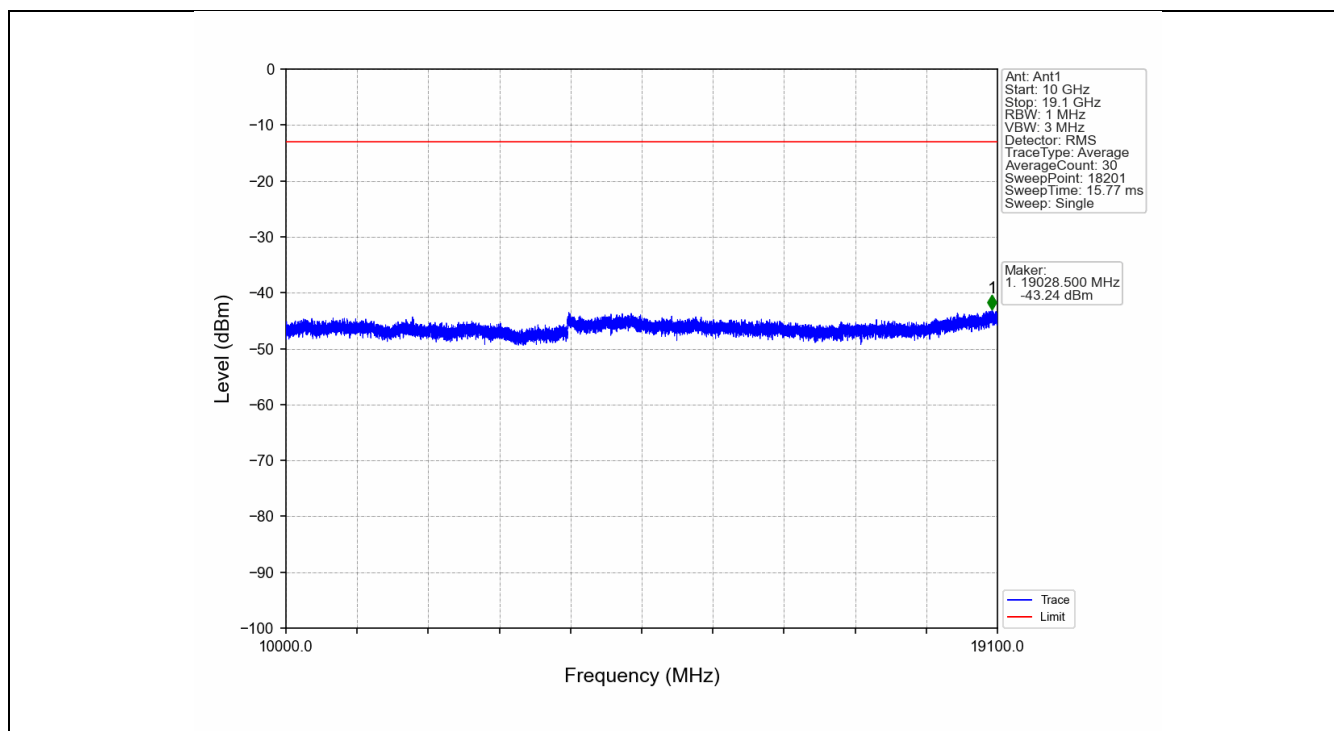
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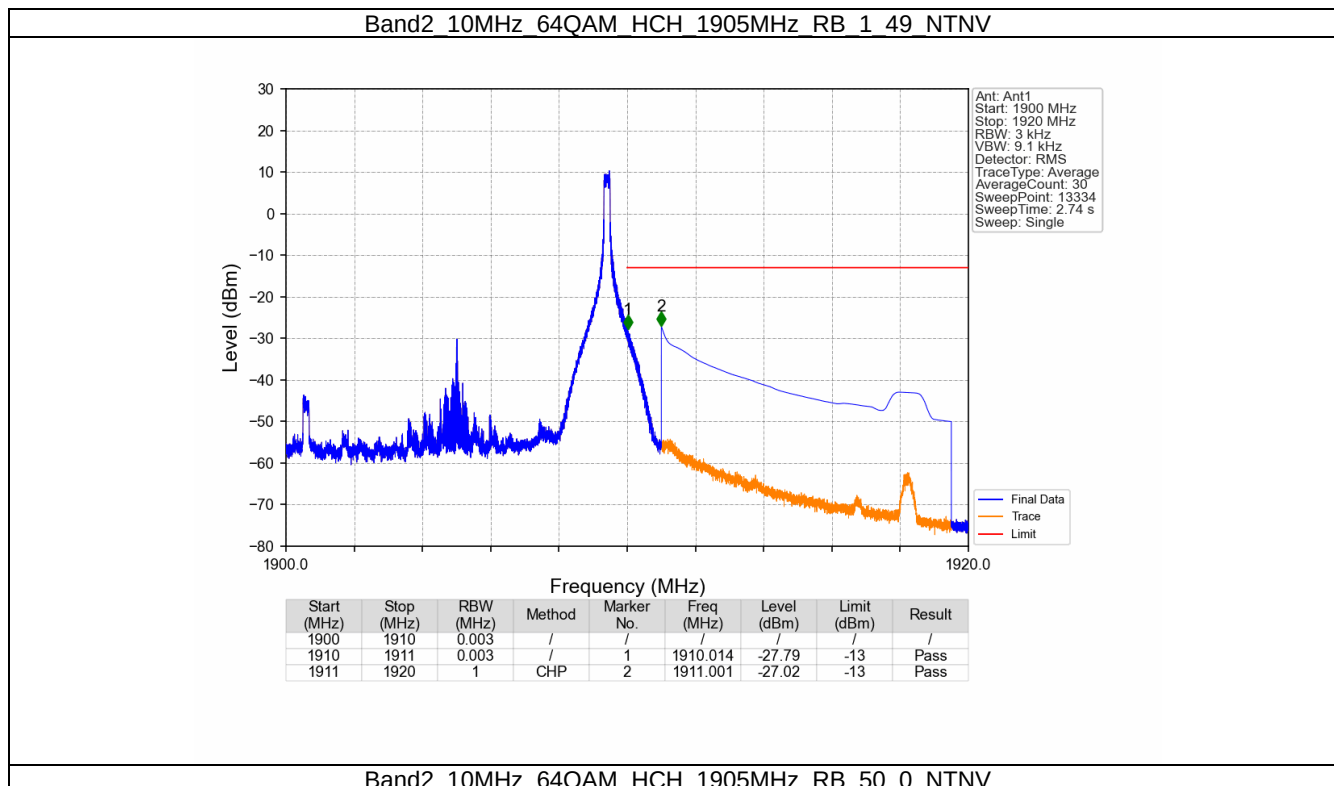
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Band2 10MHz 64QAM HCH 1905MHz RB 50 0 NTNV

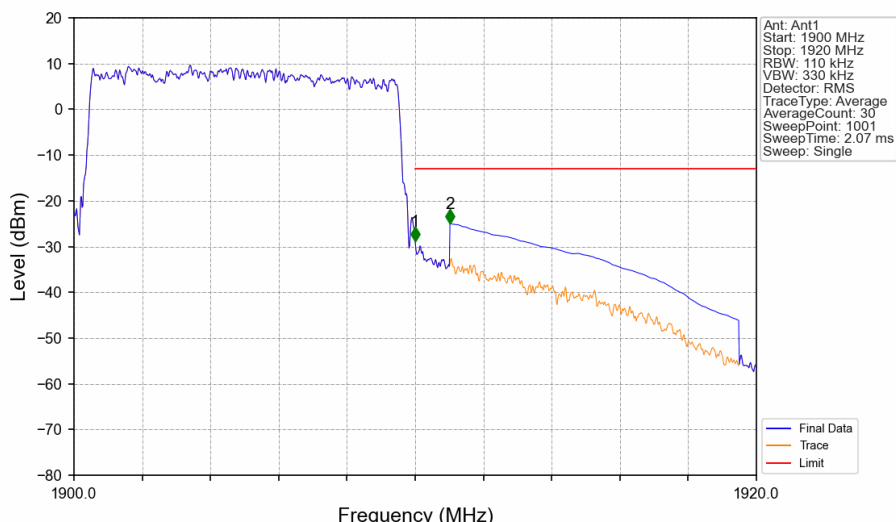


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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1910	0.11	/	1	1910.000	-28.92	-13	Pass
1910	1911	0.11	/	1	1910.000	-28.92	-13	Pass
1911	1920	1	CHP	2	1911.020	-24.98	-13	Pass



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1.5 B2_15MHz

1.5.1 Test Result

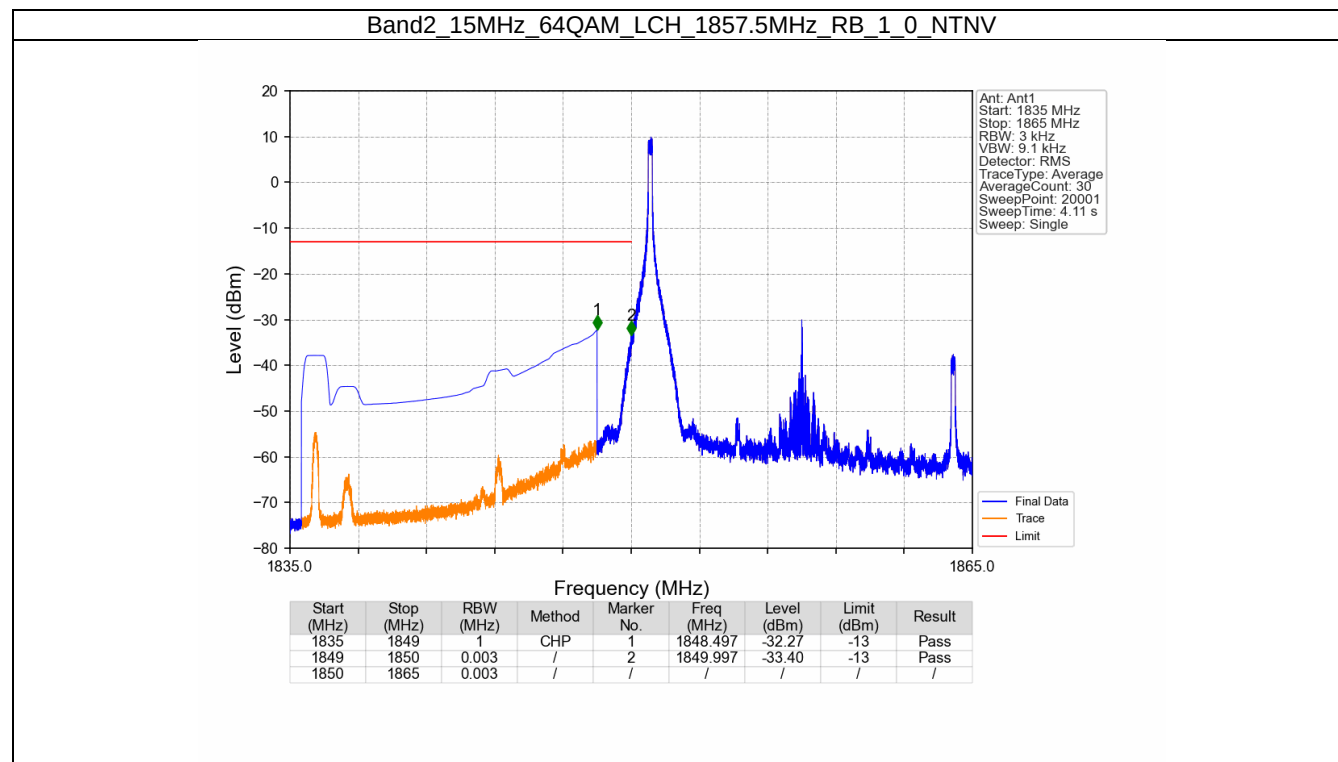
Band: 2 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	1857.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1902.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass



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1.5.2 Test Graph



Band2_15MHz_64QAM_LCH_1857.5MHz_RB_1_0_NTNV



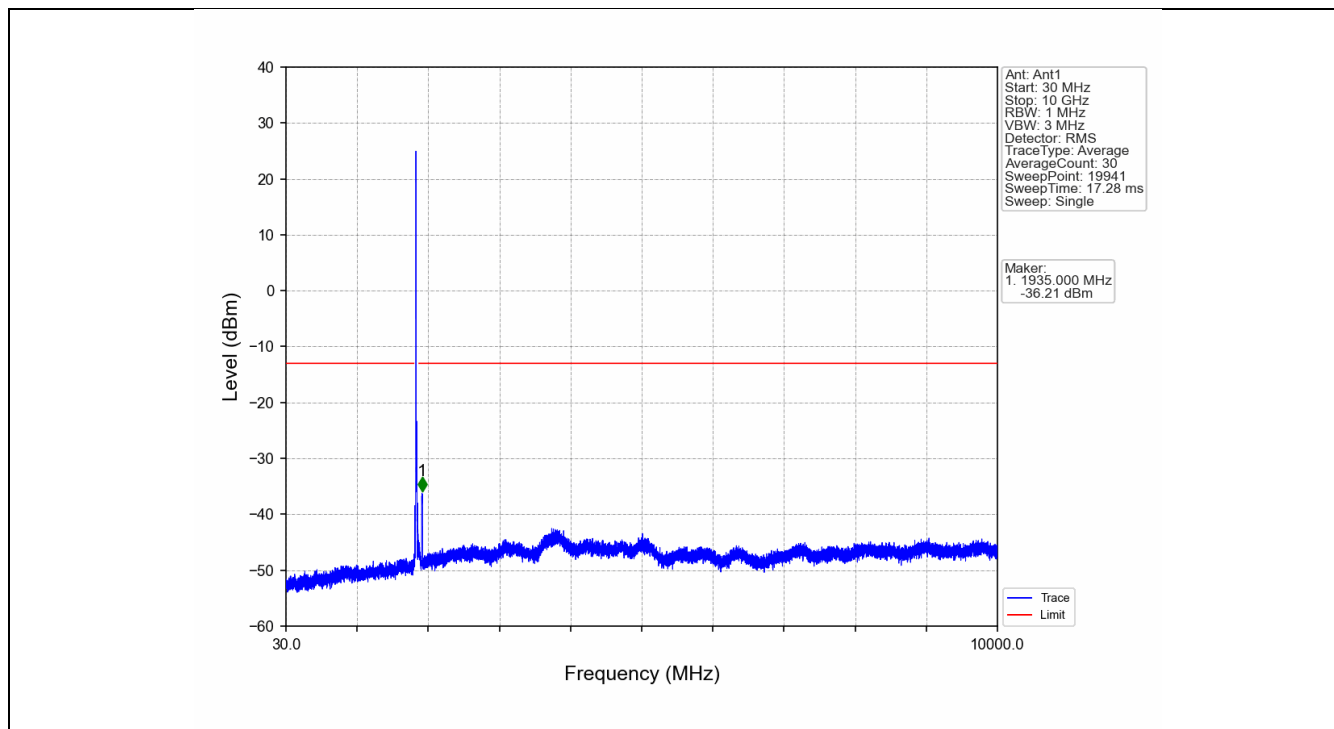
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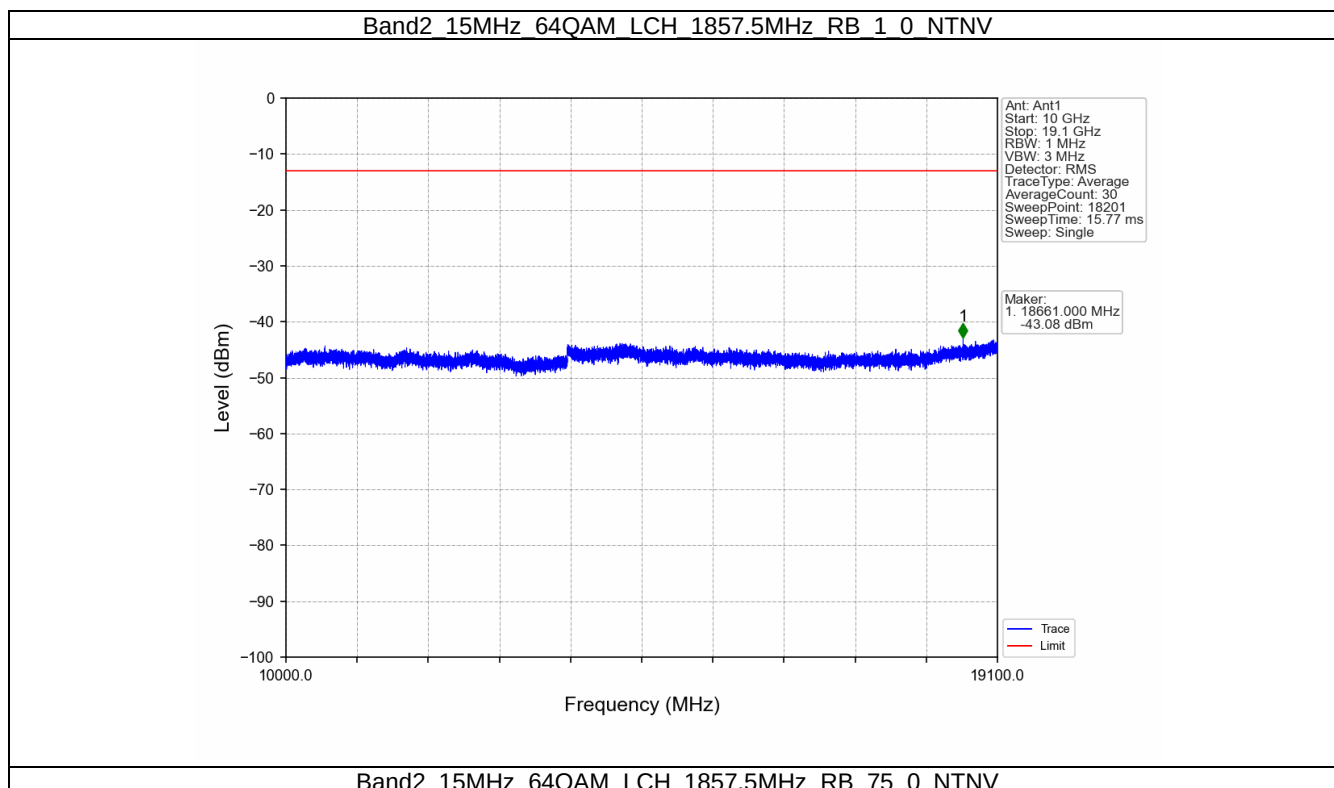
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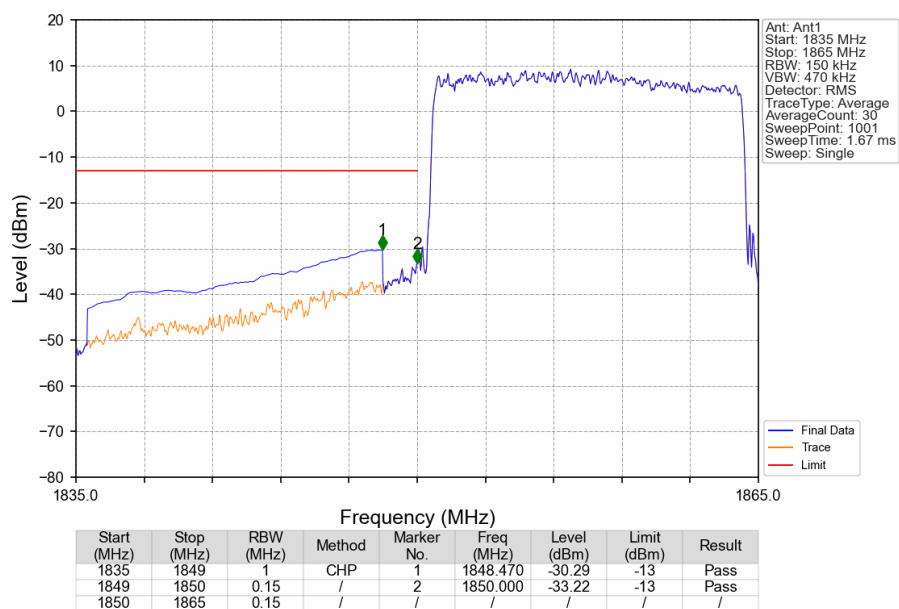
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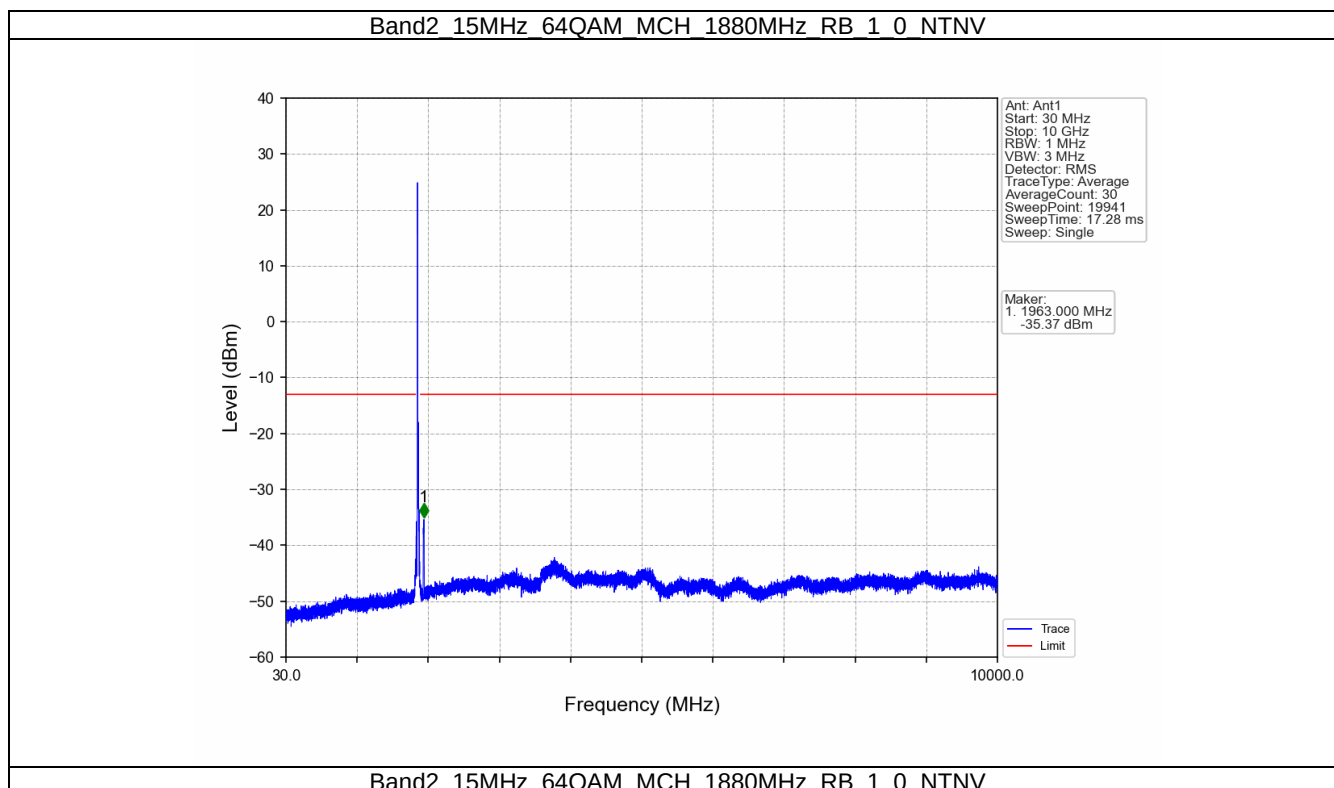
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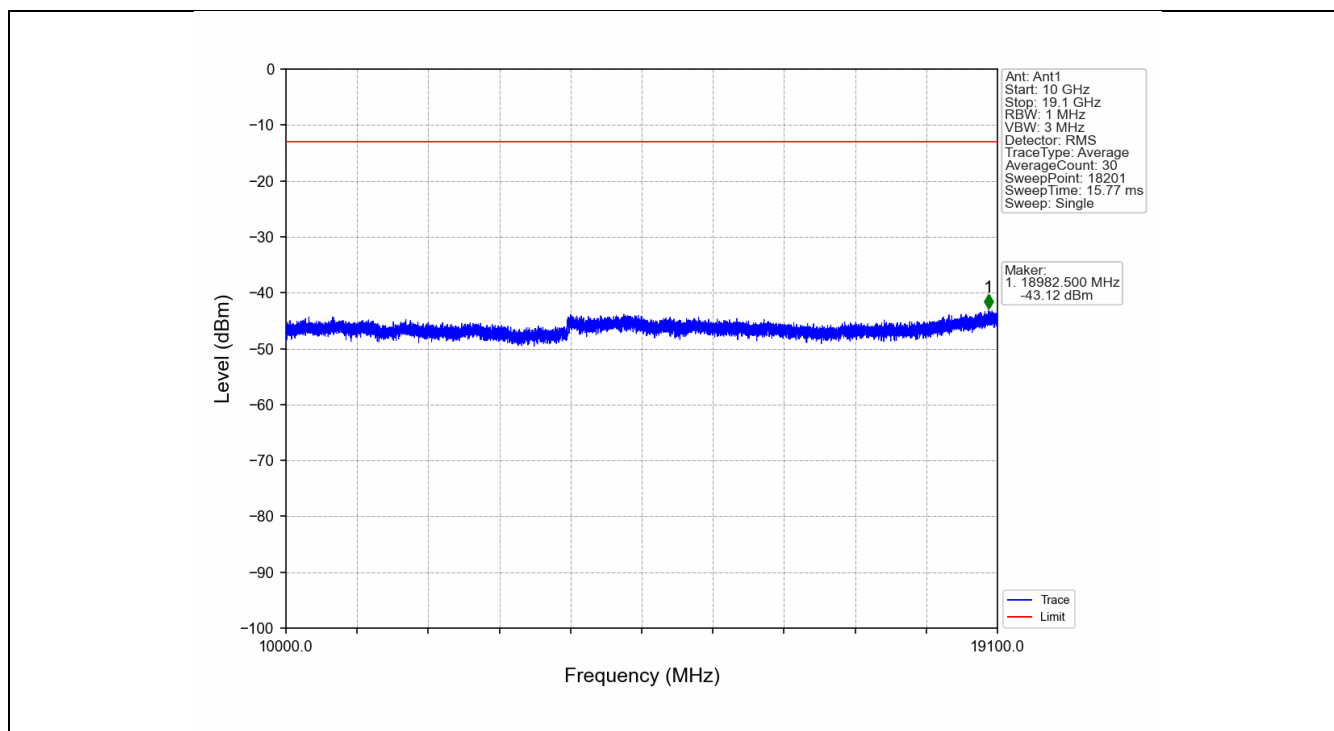
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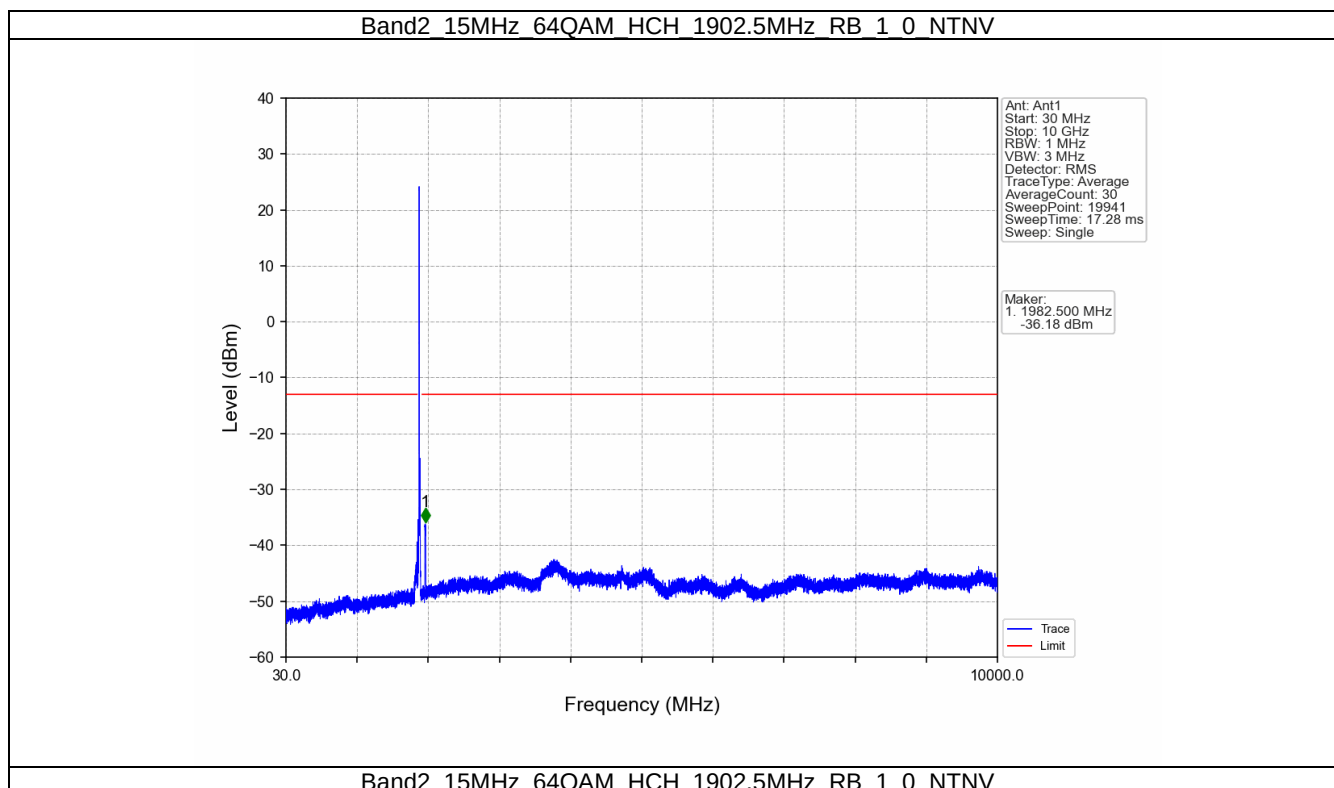
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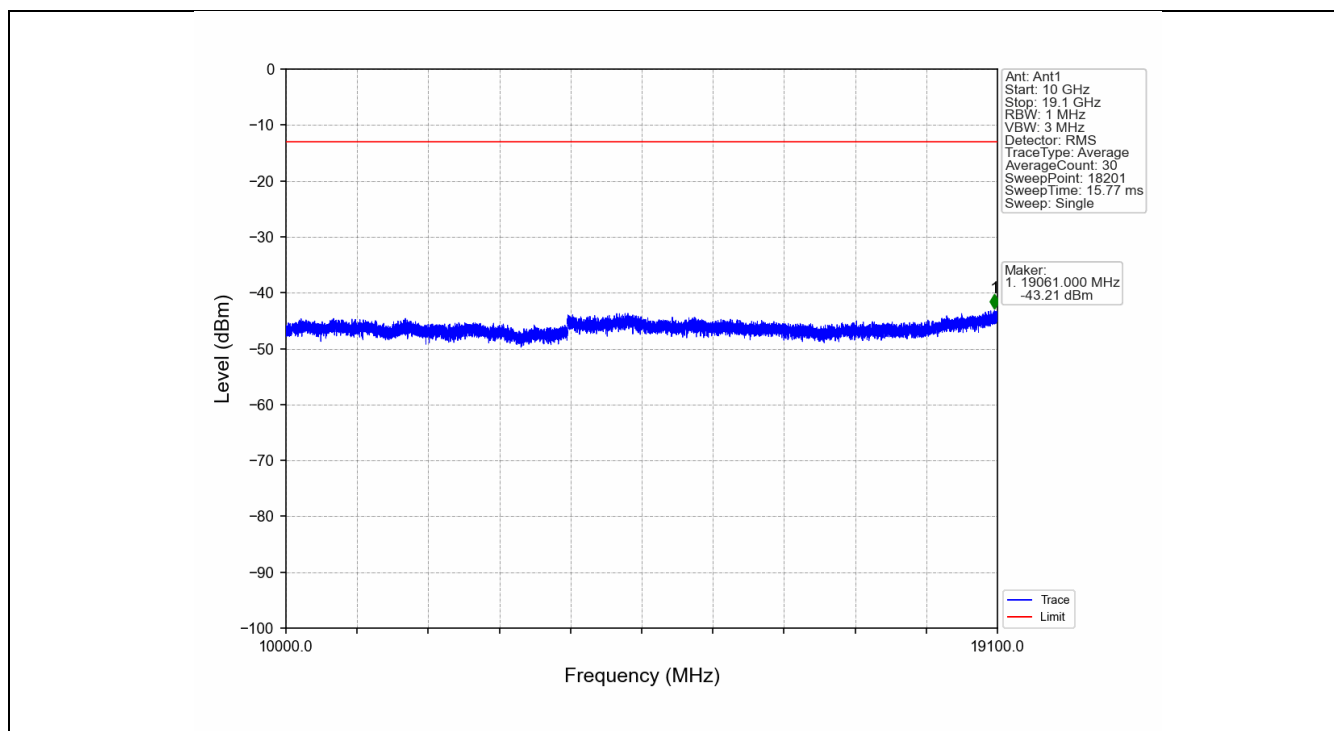
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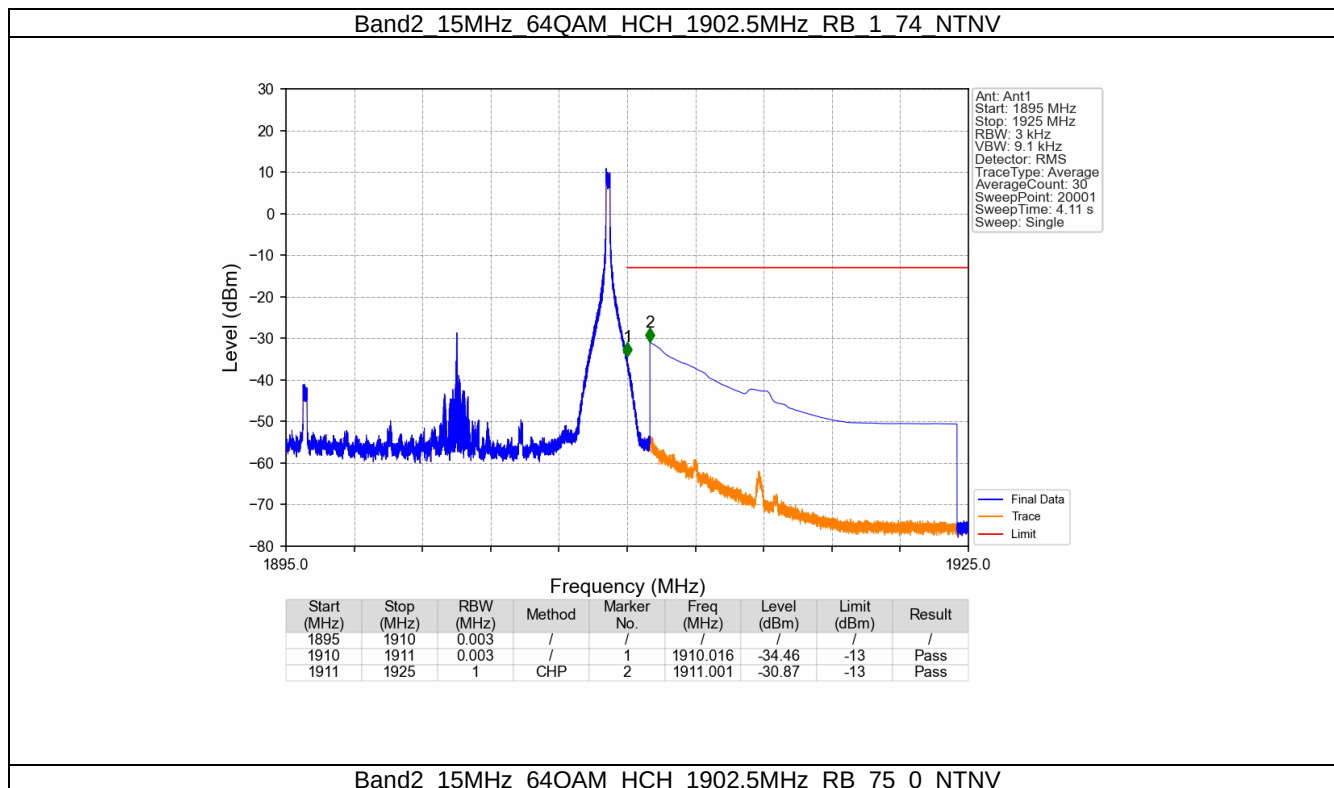
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Band2 15MHz 64QAM HCH 1902.5MHz RB 75 0 NTNV



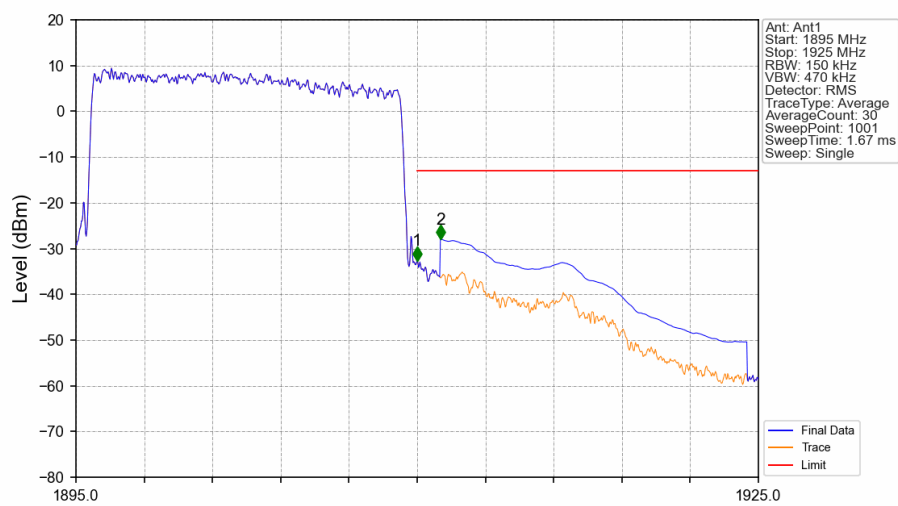
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1895	1910	0.15	/	1	1910.000	-32.65	-13	Pass
1910	1911	0.15	/	2	1911.020	-27.96	-13	Pass
1911	1925	1	CHP					



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1.6 B2_20MHz

1.6.1 Test Result

Band: 2 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	1860	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1900	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

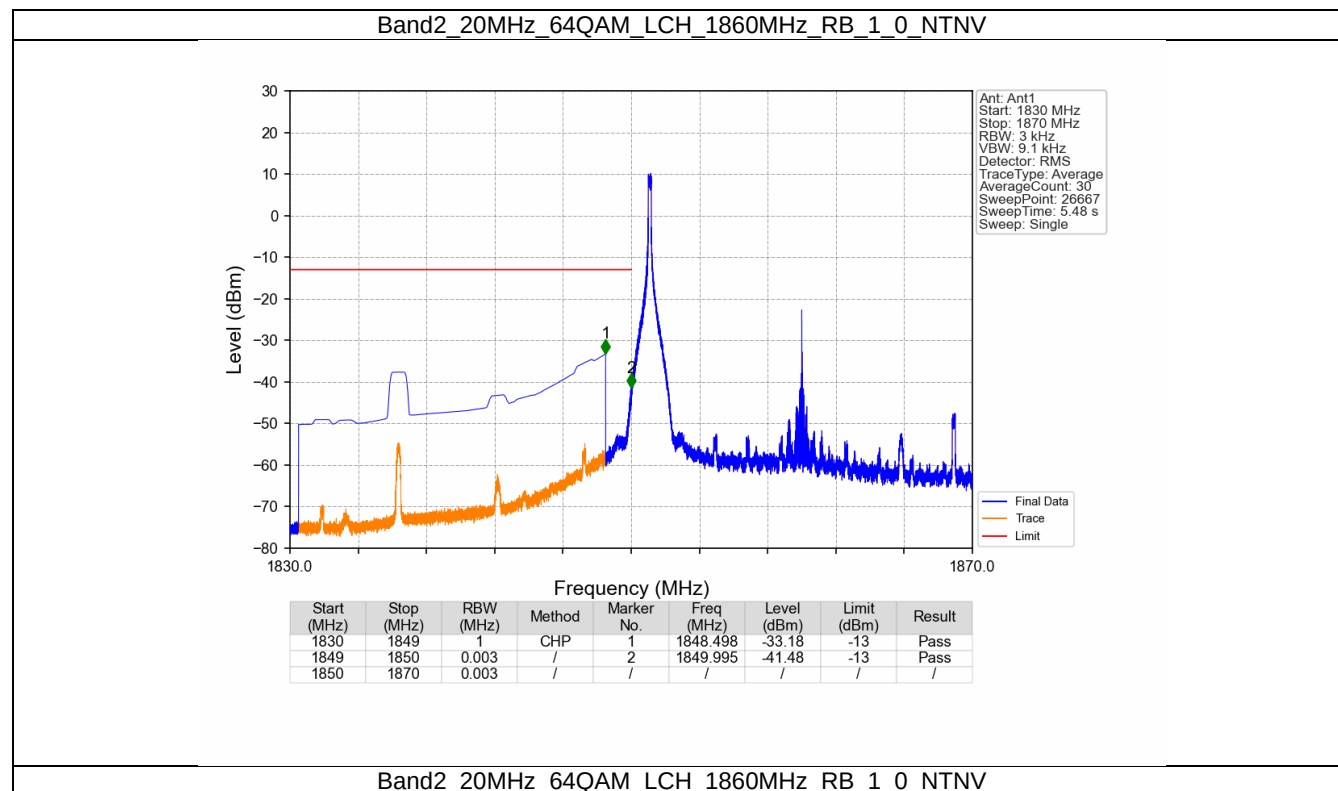


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1.6.2 Test Graph



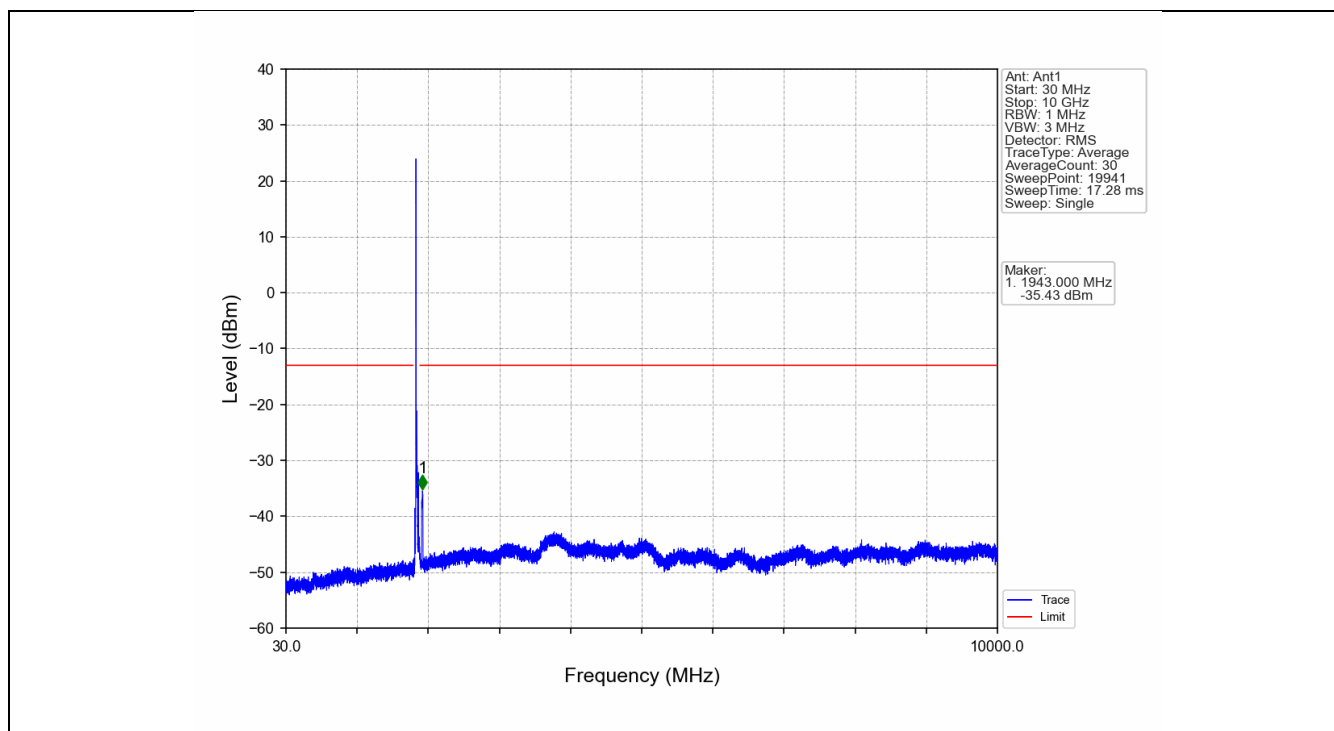
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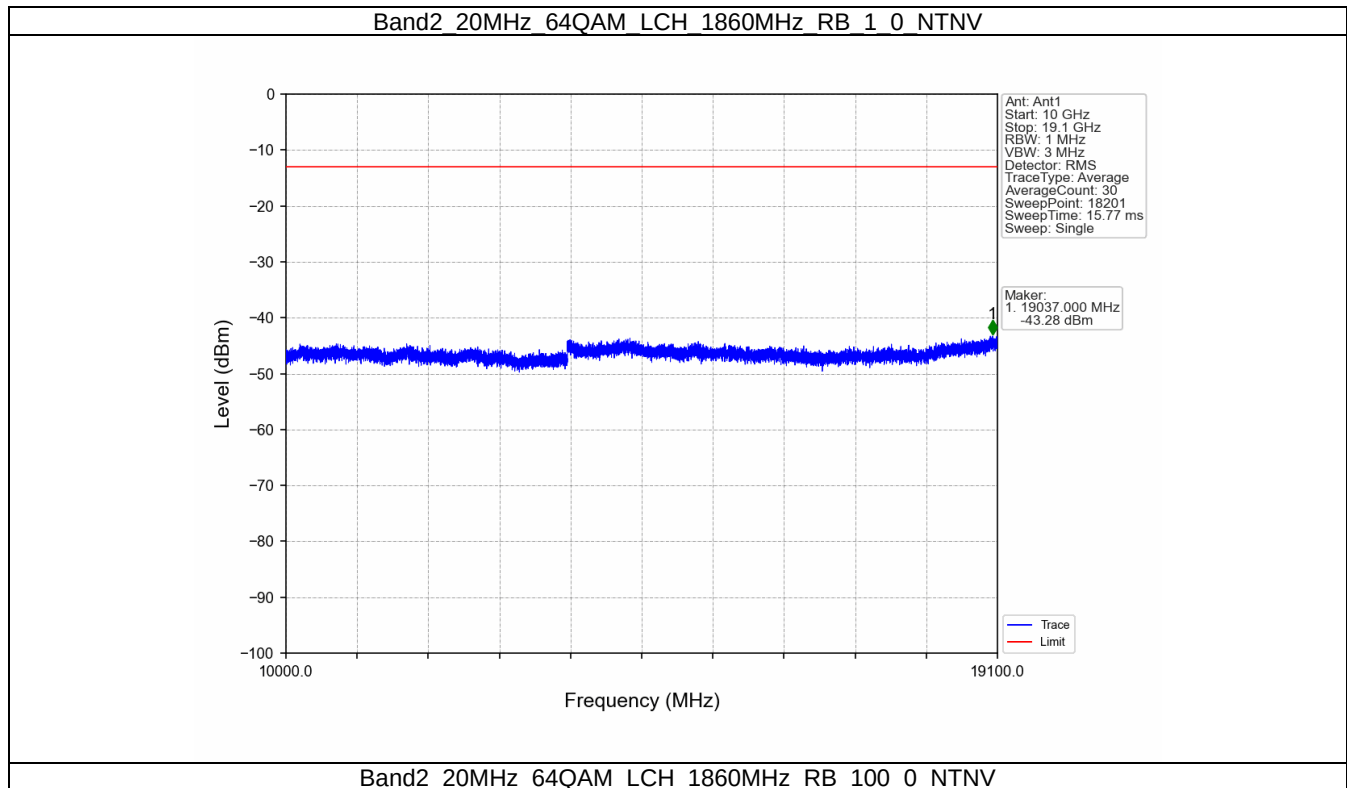
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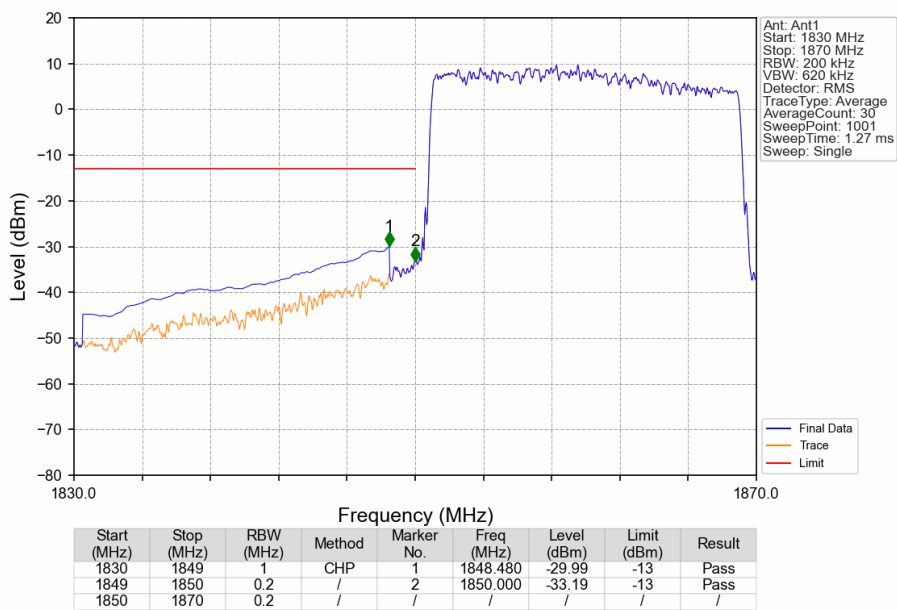
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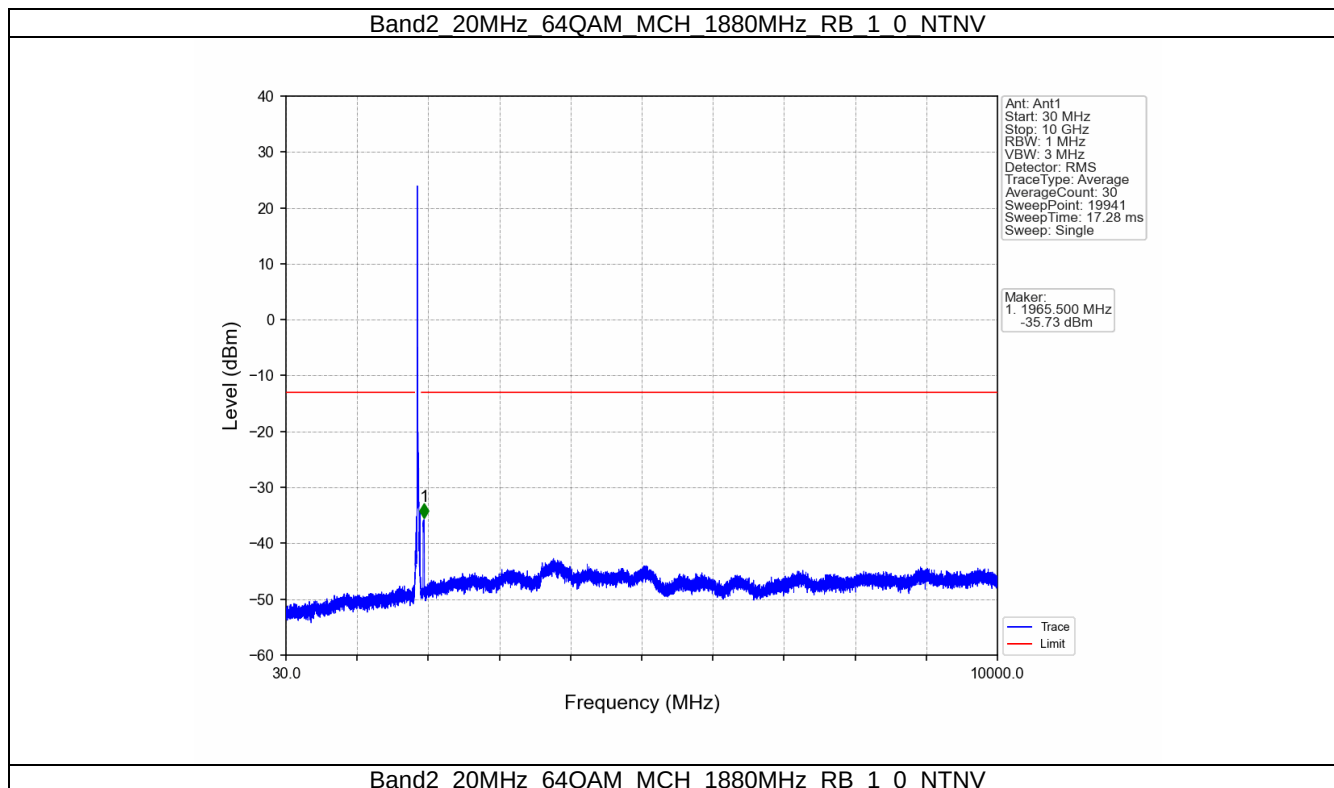
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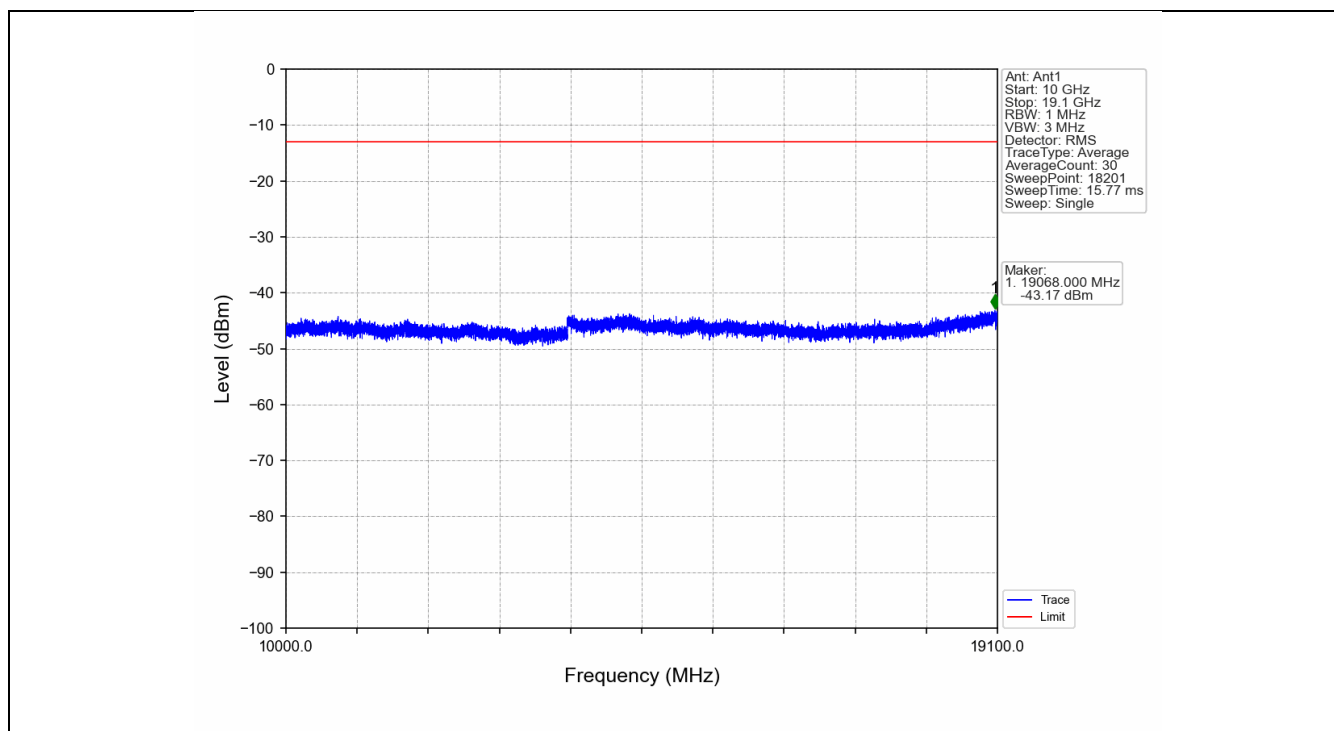
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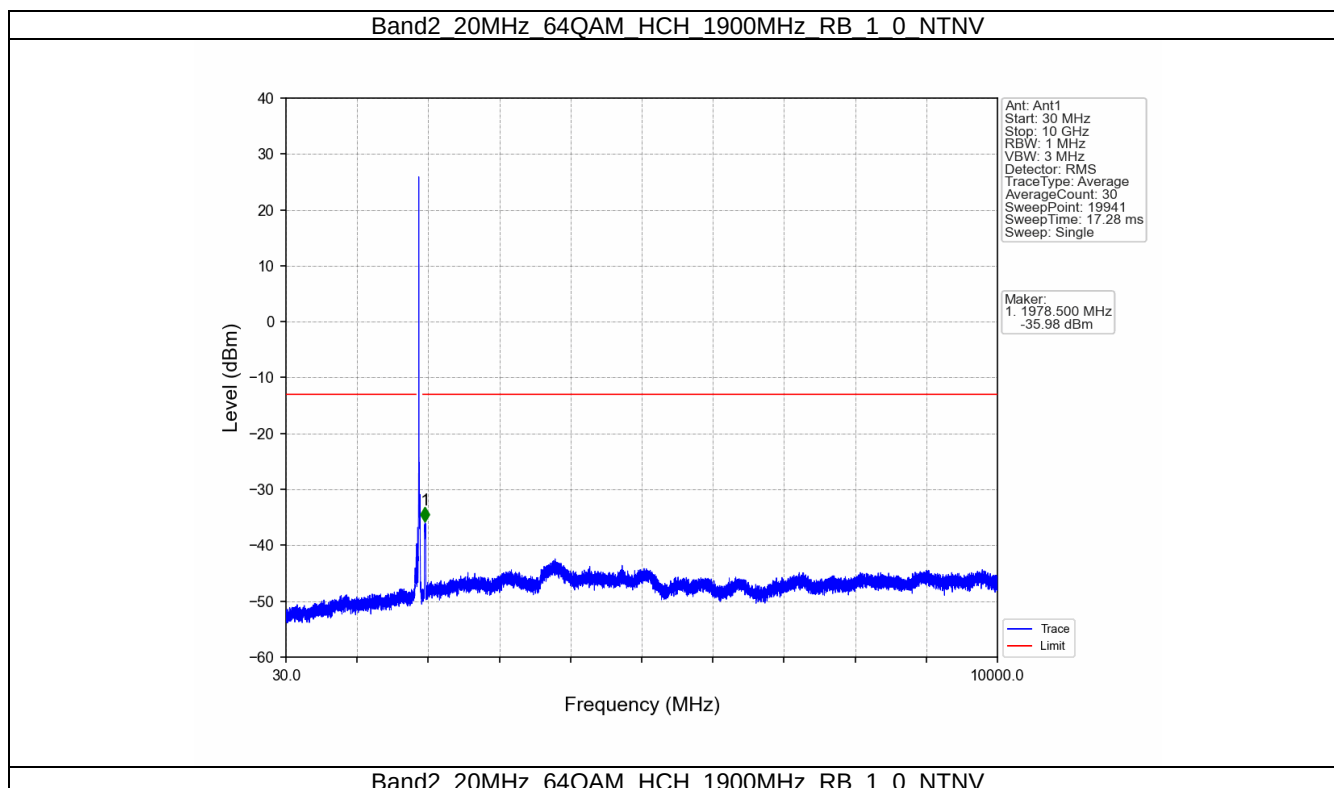
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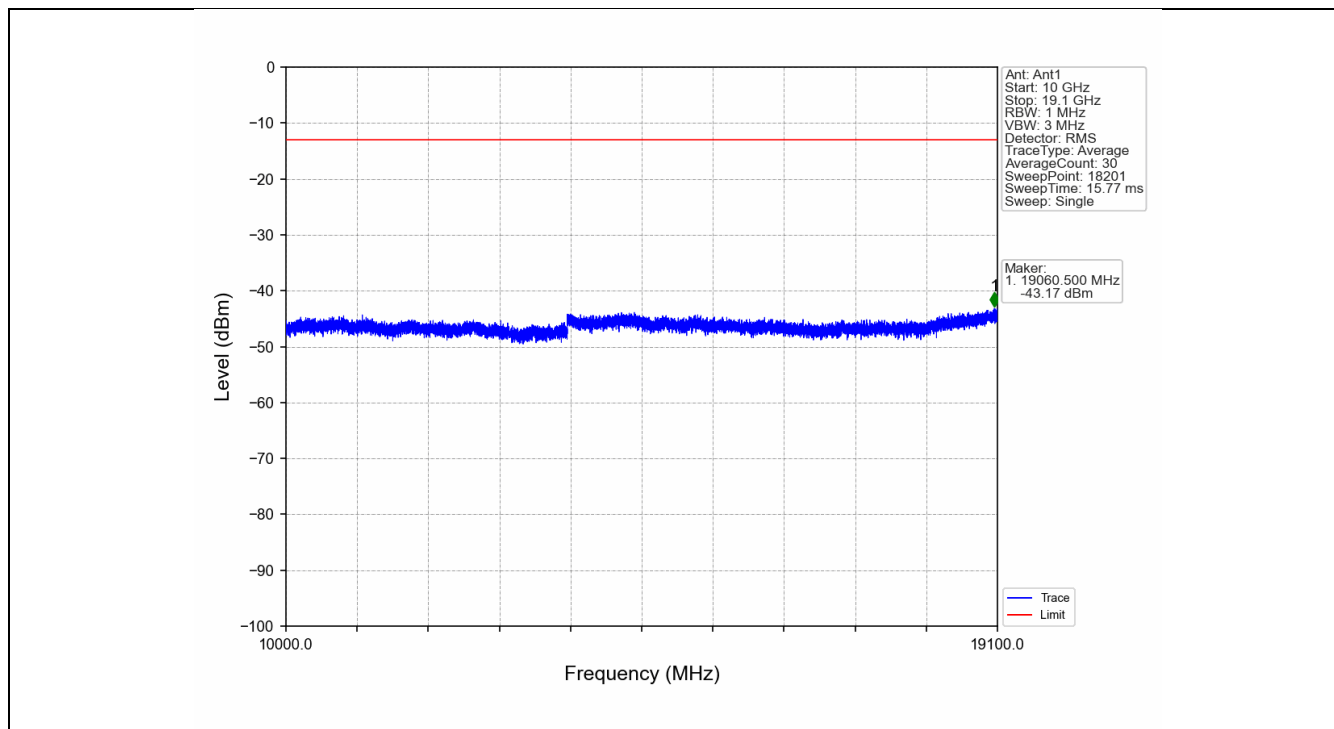
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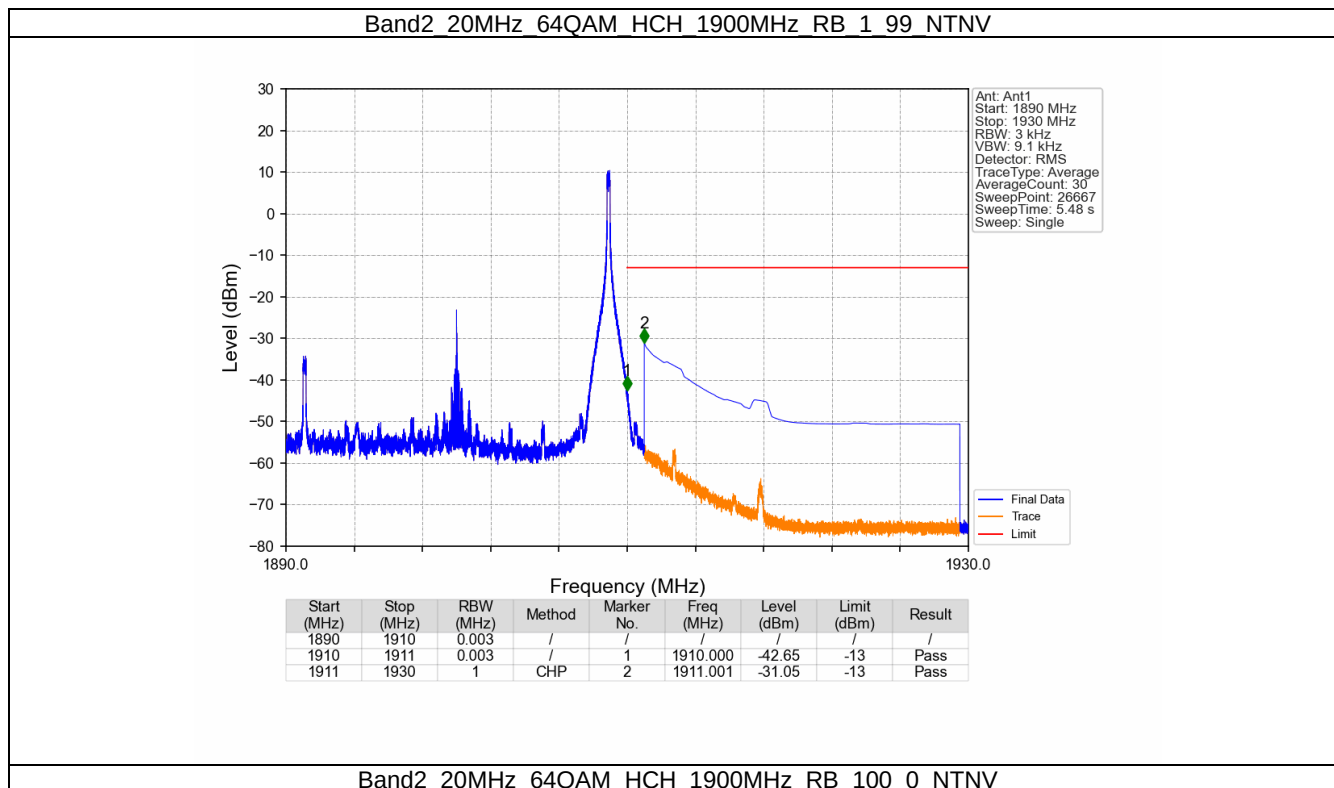
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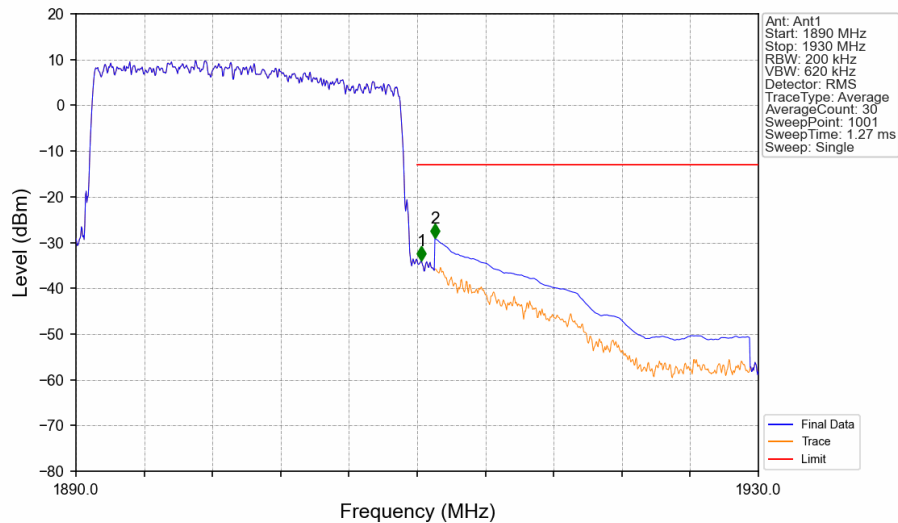
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Band2 20MHz 64QAM HCH 1900MHz RB 100 0 NTNV





Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1890	1910	0.2	/	1	1910.240	-33.99	-13	Pass
1910	1911	0.2	/	2	1911.040	-29.11	-13	Pass
1911	1930	1	CHP					



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2. Spurious Emission

2.1 B4_1.4MHz

2.1.1 Test Result

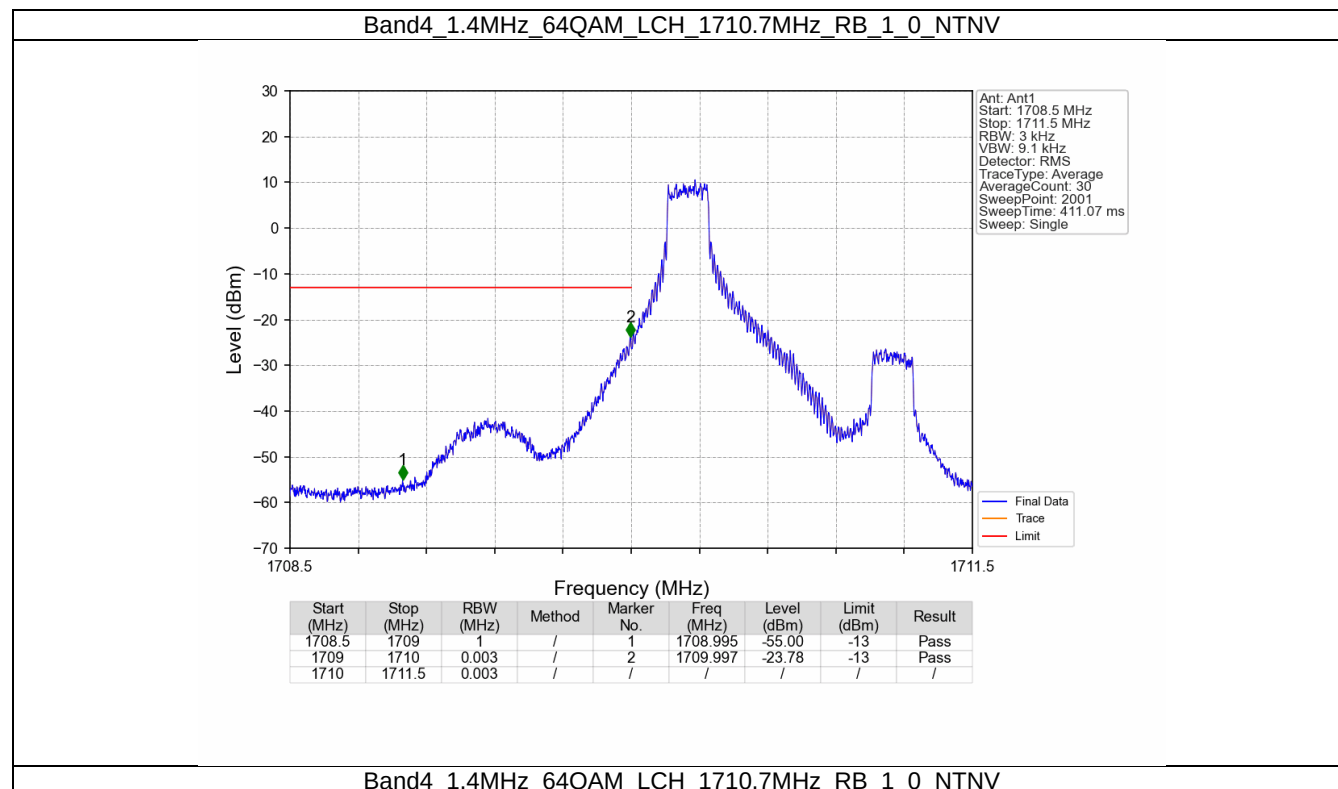
Band: 4 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
64QAM	1710.7	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1754.3	1	0	Refer To Test Graph	Pass
			5	Refer To Test Graph	Pass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



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2.1.2 Test Graph



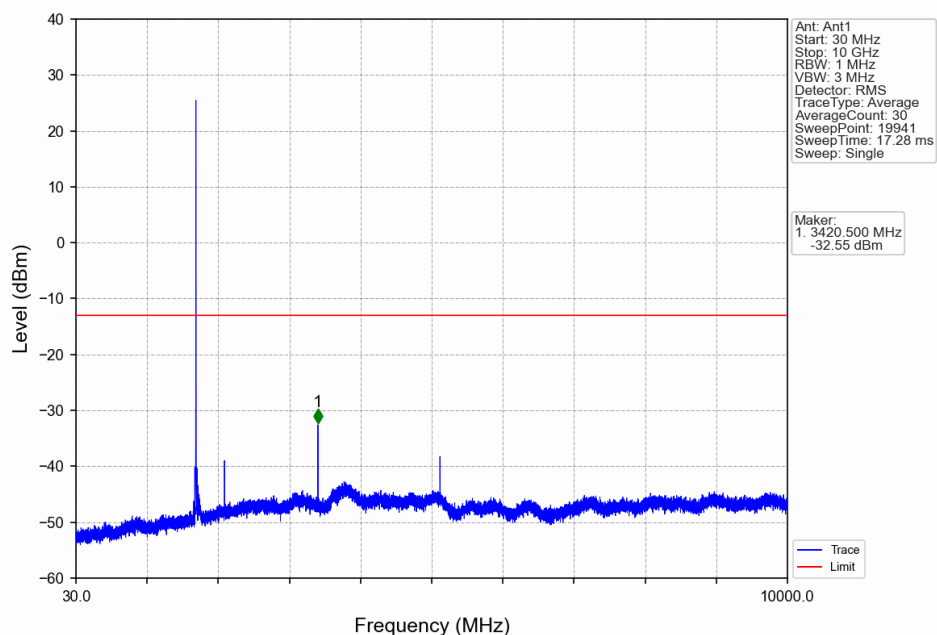
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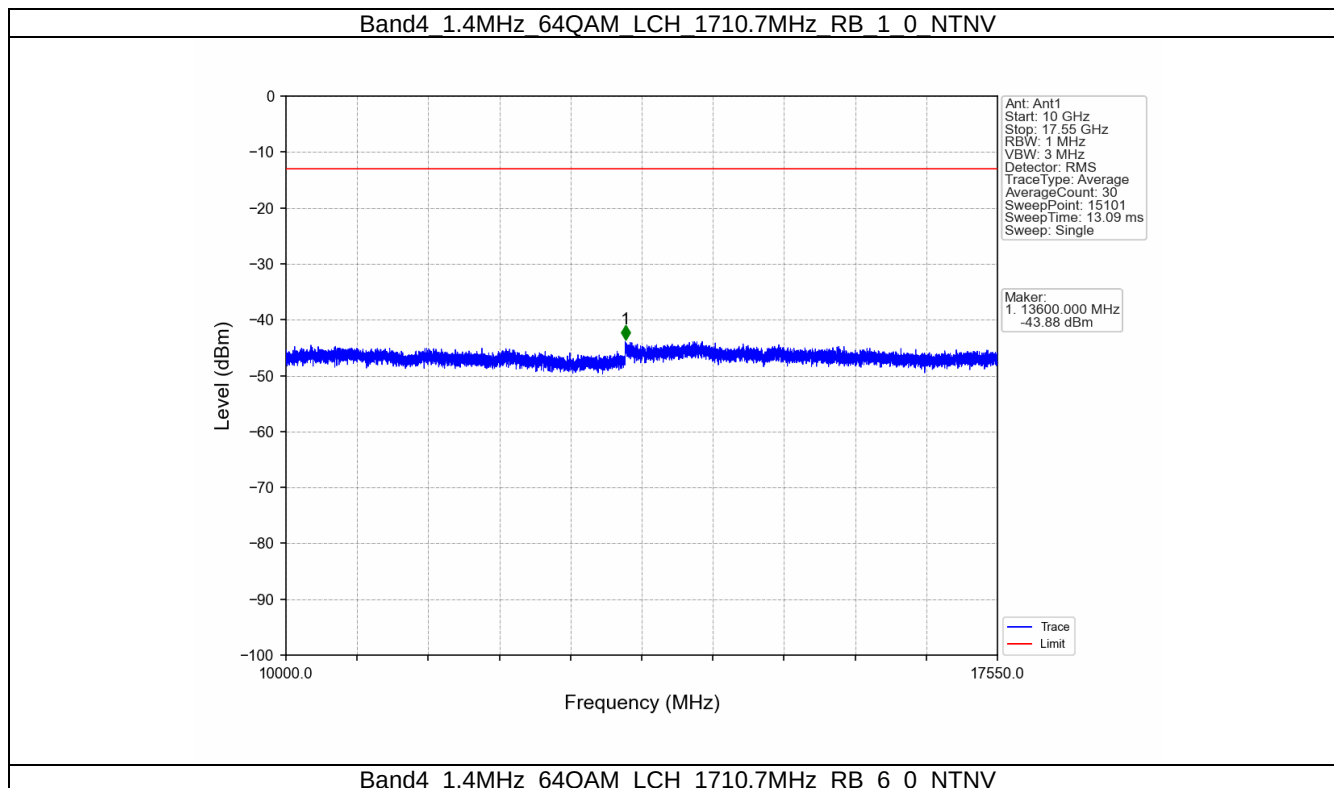
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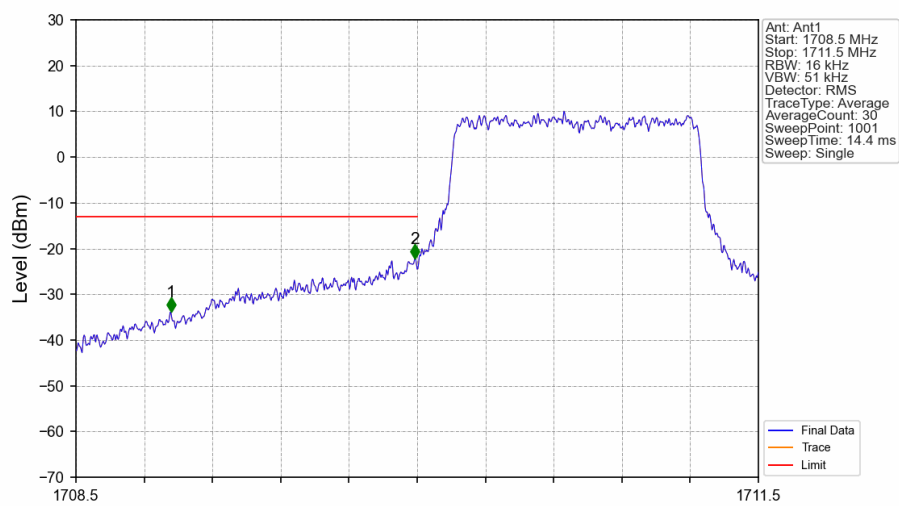
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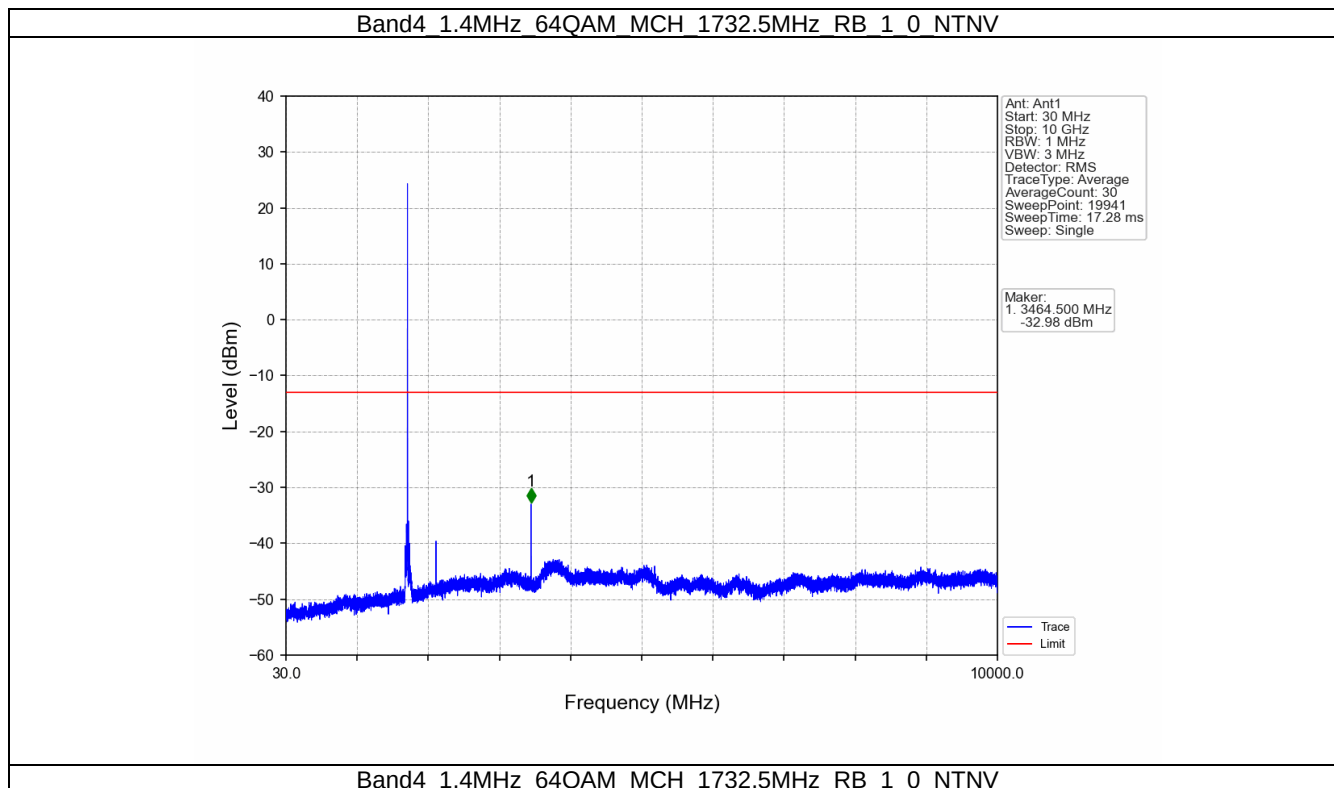


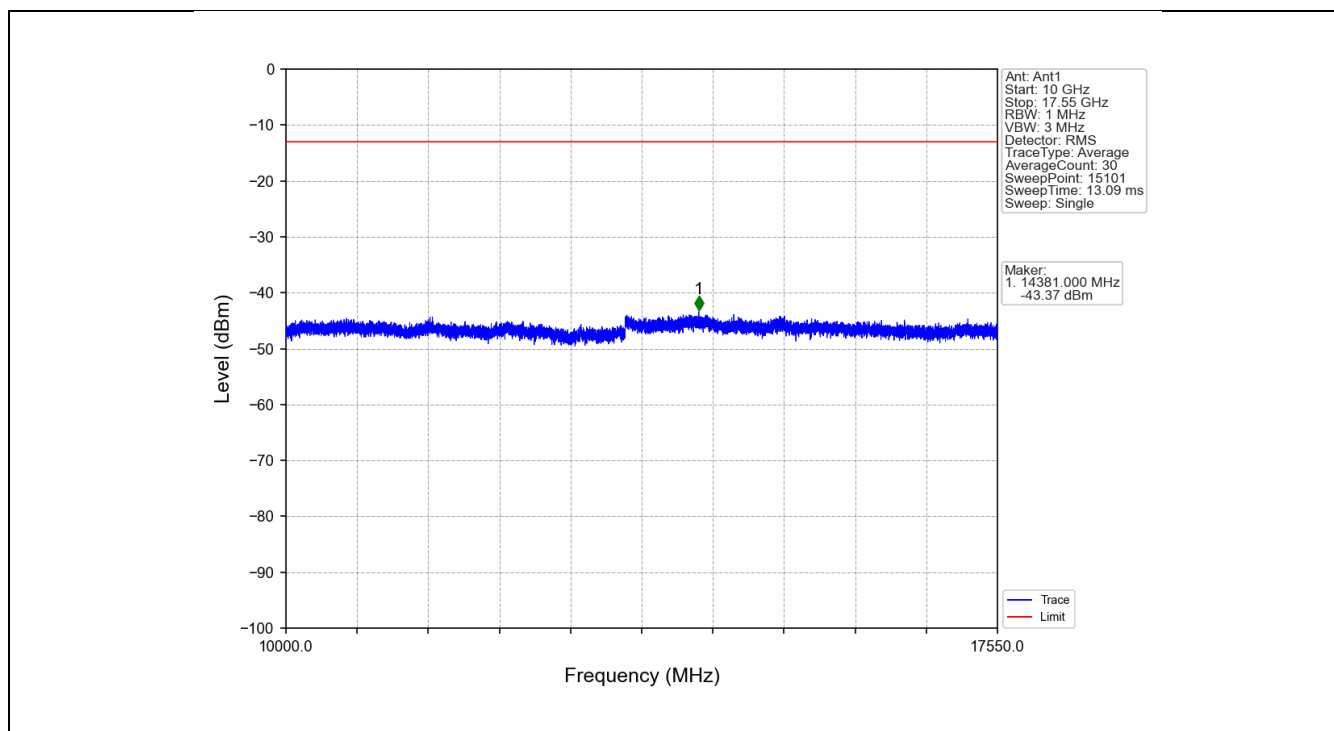
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.917	-33.88	-13	Pass
1709	1710	0.016	/	2	1709.991	-22.15	-13	Pass
1710	1711.5	0.016	/	/	/	/	/	/



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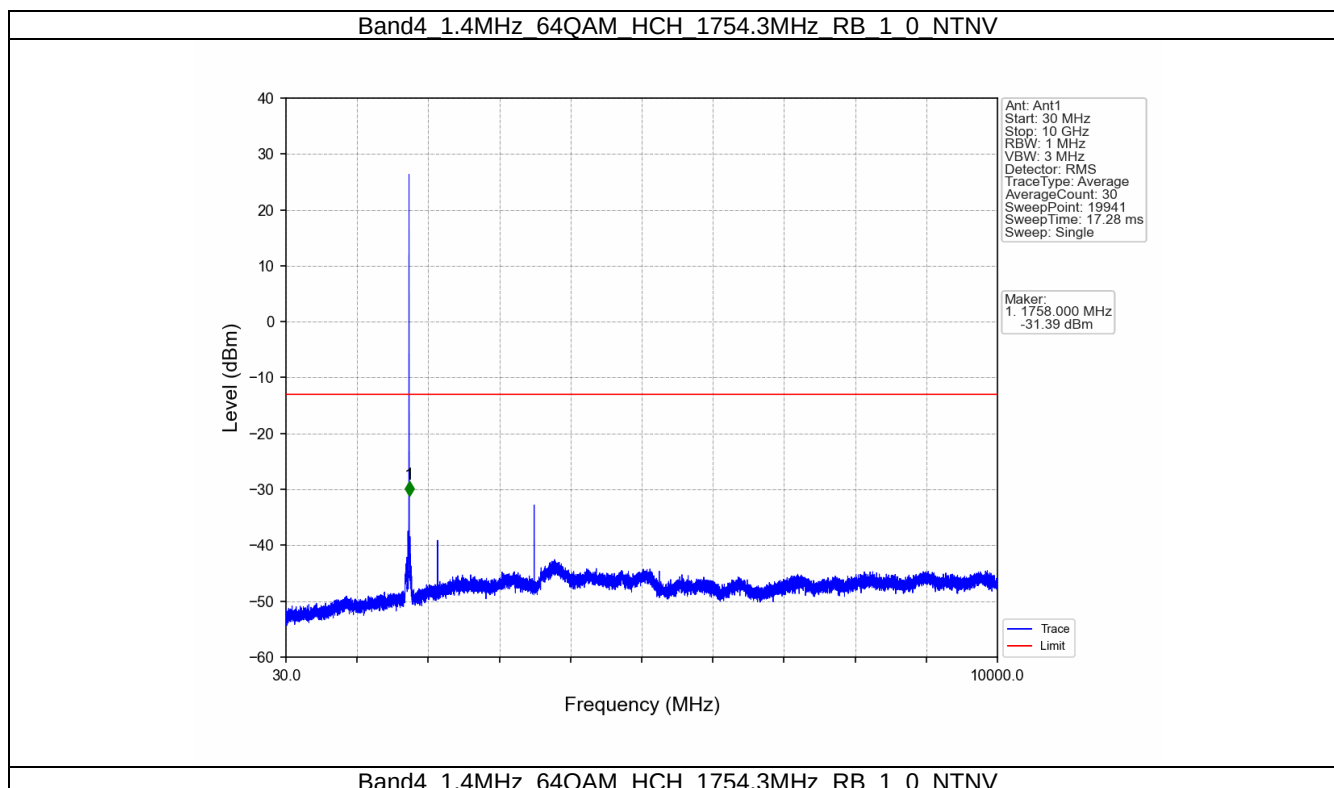
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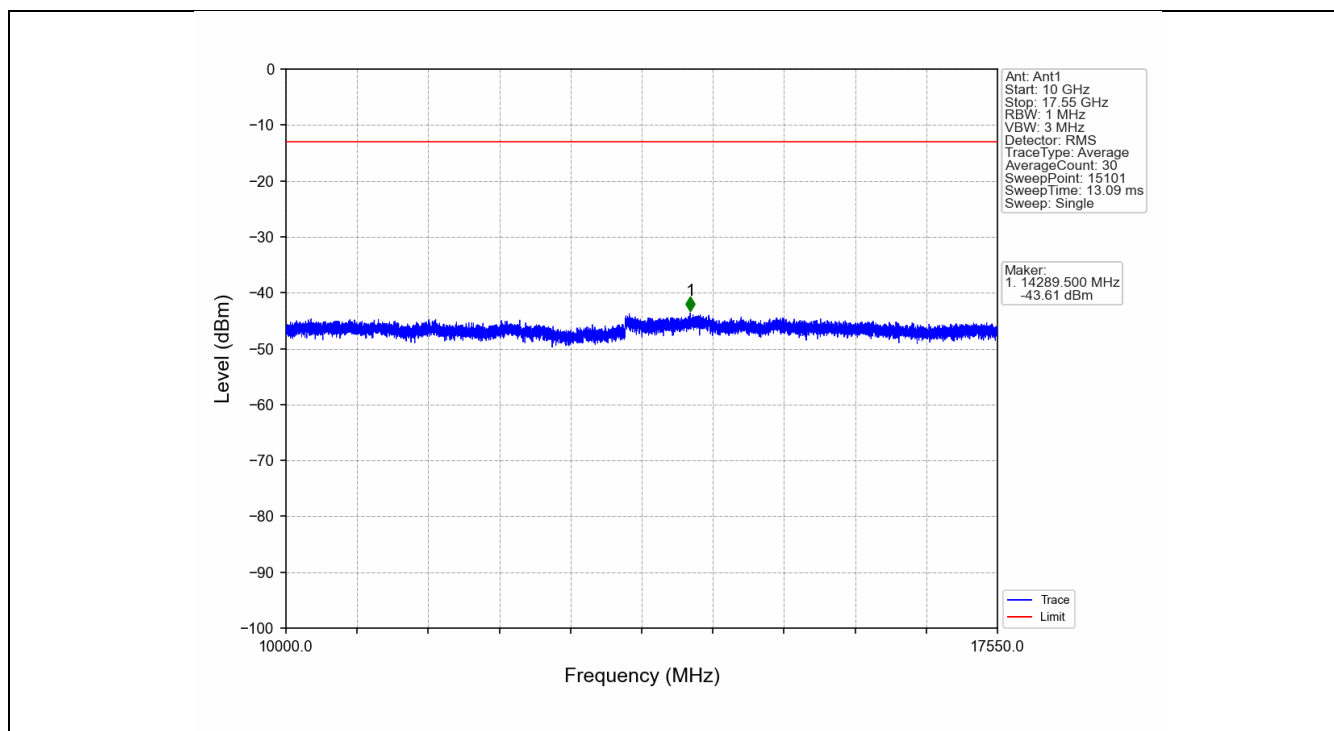
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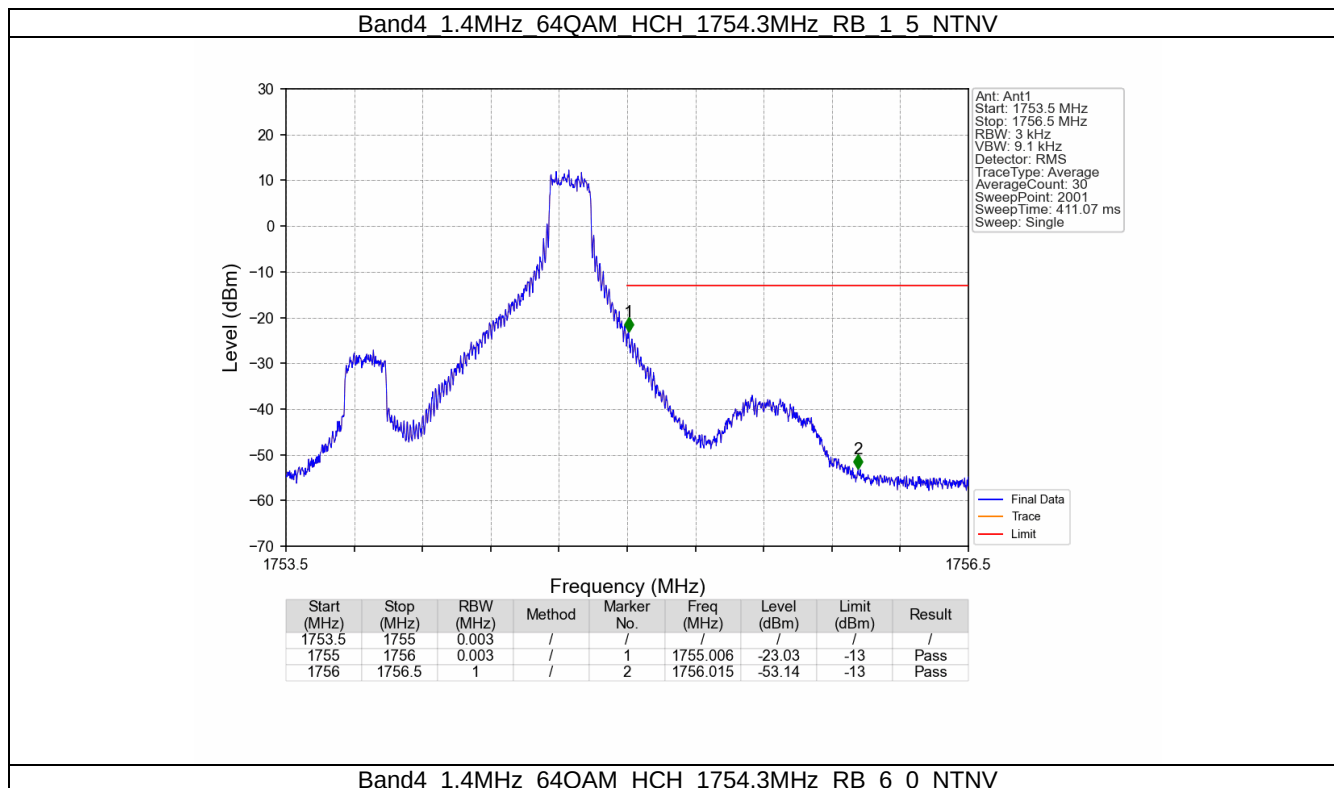
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Band4 1.4MHz 64QAM HCH 1754.3MHz RB 6 0 NTNV



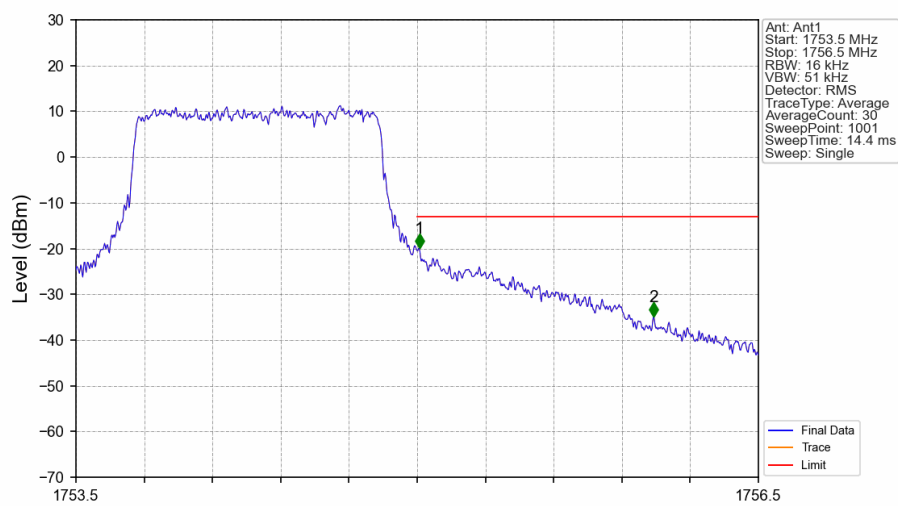
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.016	/	1	1755.009	-19.94	-13	Pass
1755	1756	0.016	/	2	1756.038	-34.93	-13	Pass



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2.2 B4_3MHz

2.2.1 Test Result

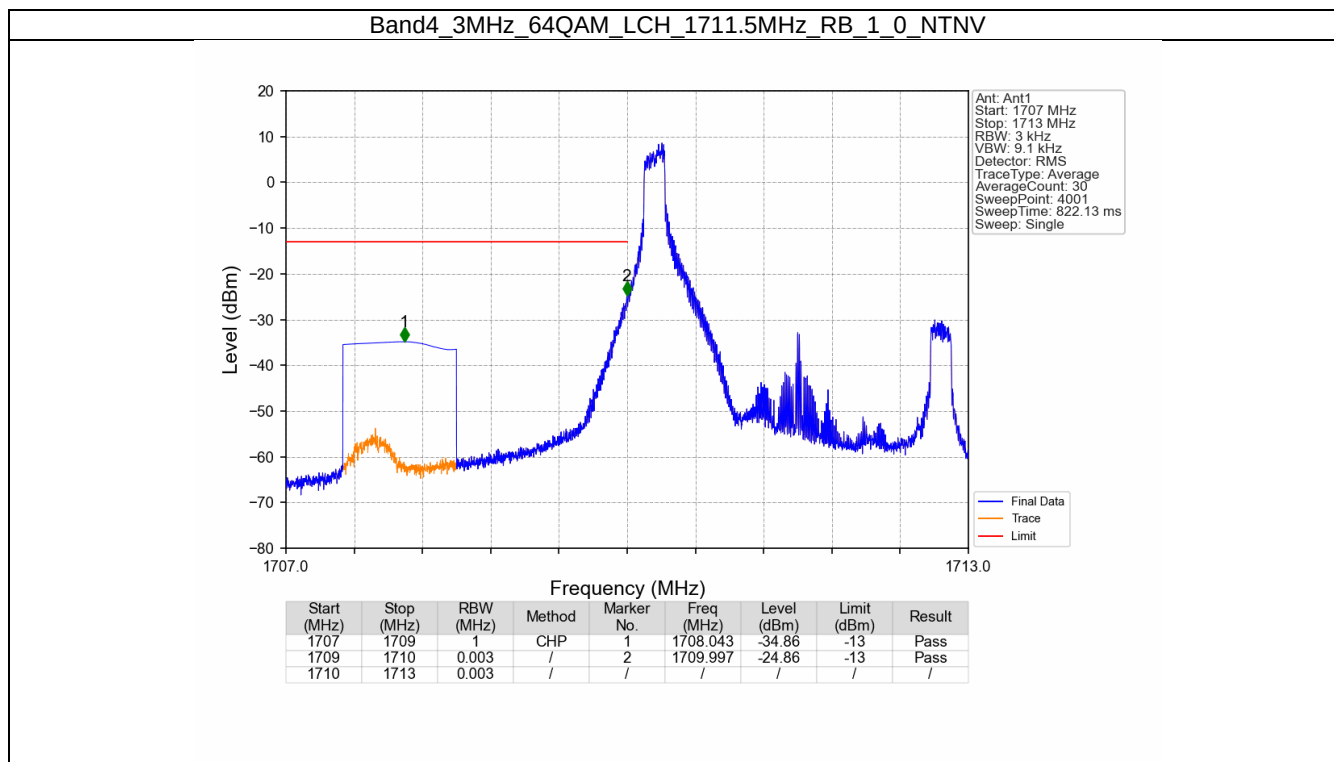
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass



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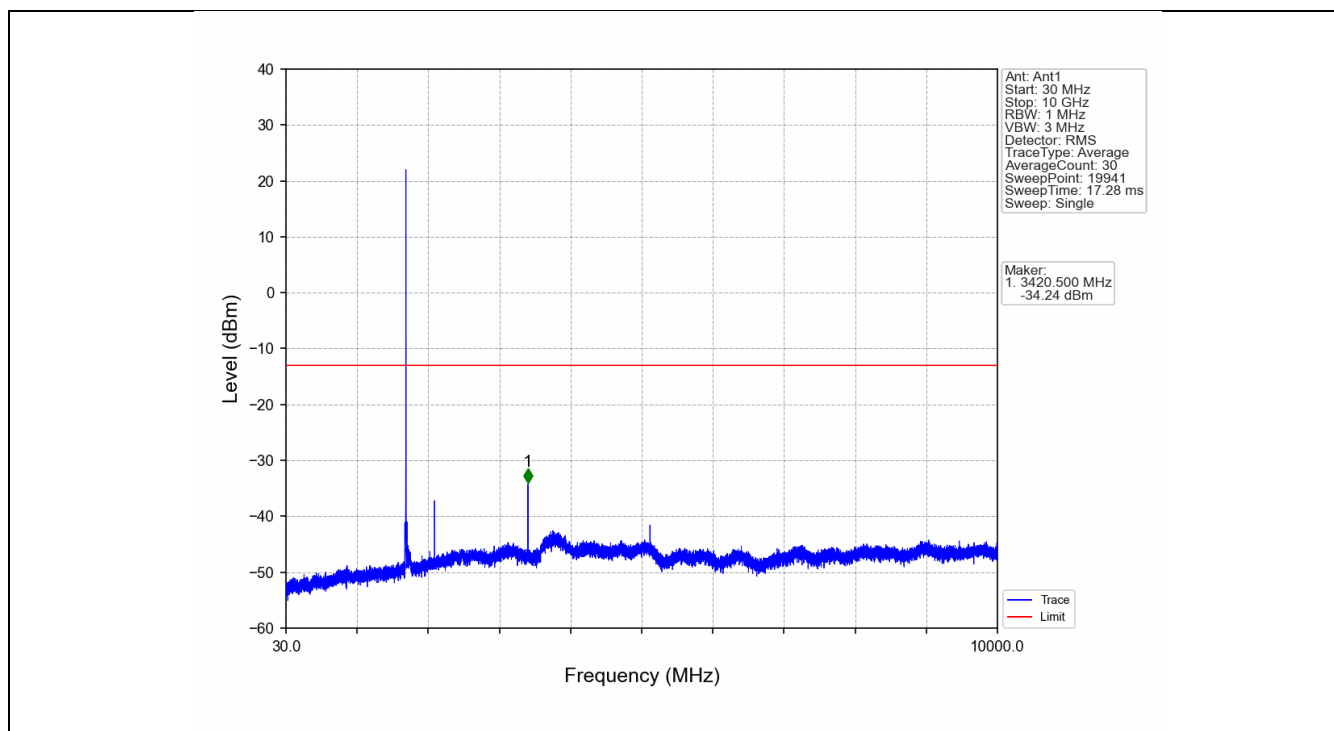
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2.2.2 Test Graph



Band4_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV

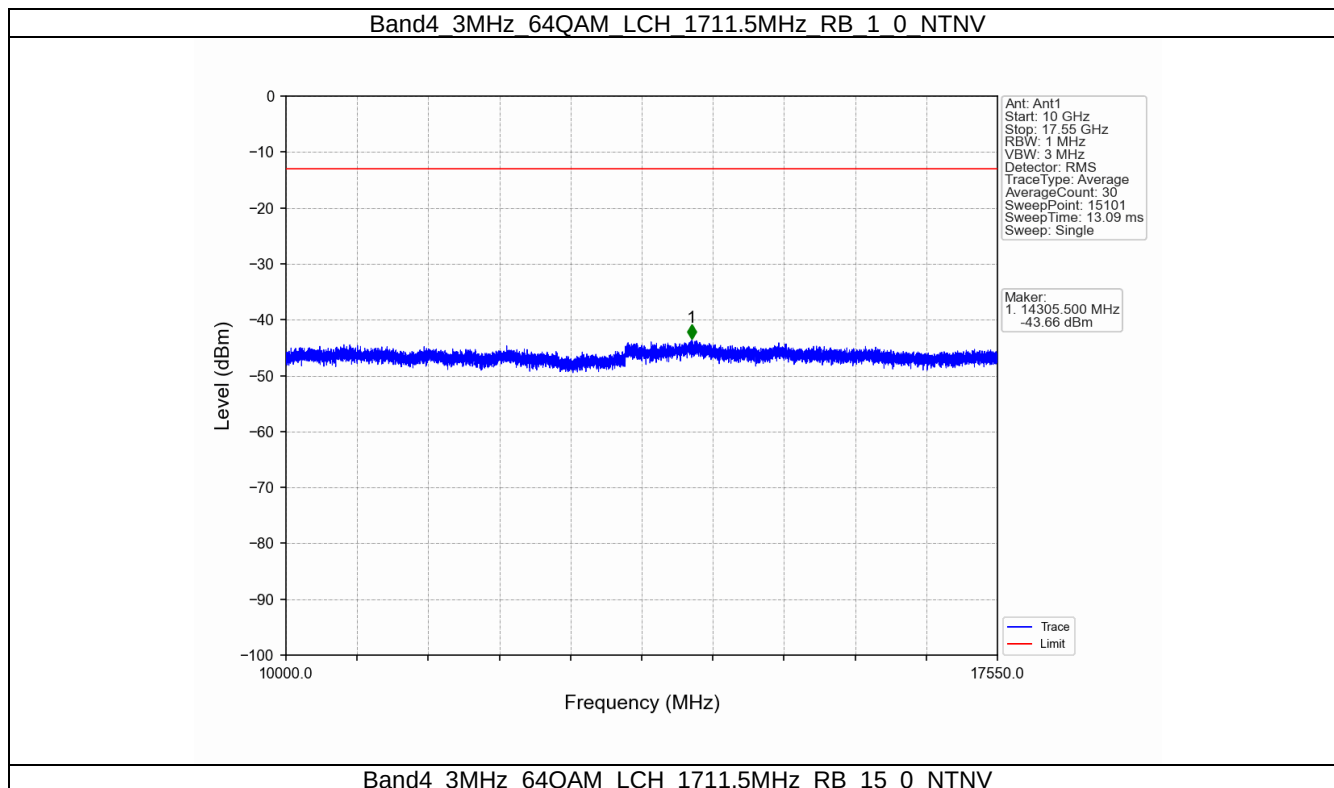




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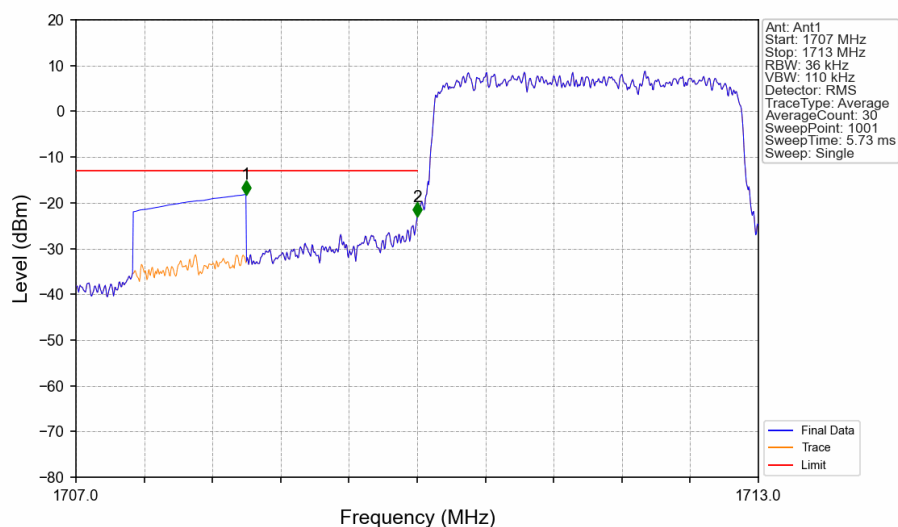
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-18.20	-13	Pass
1709	1710	0.036	/	2	1710.000	-23.00	-13	Pass
1710	1713	0.036	/	/	/	/	/	/



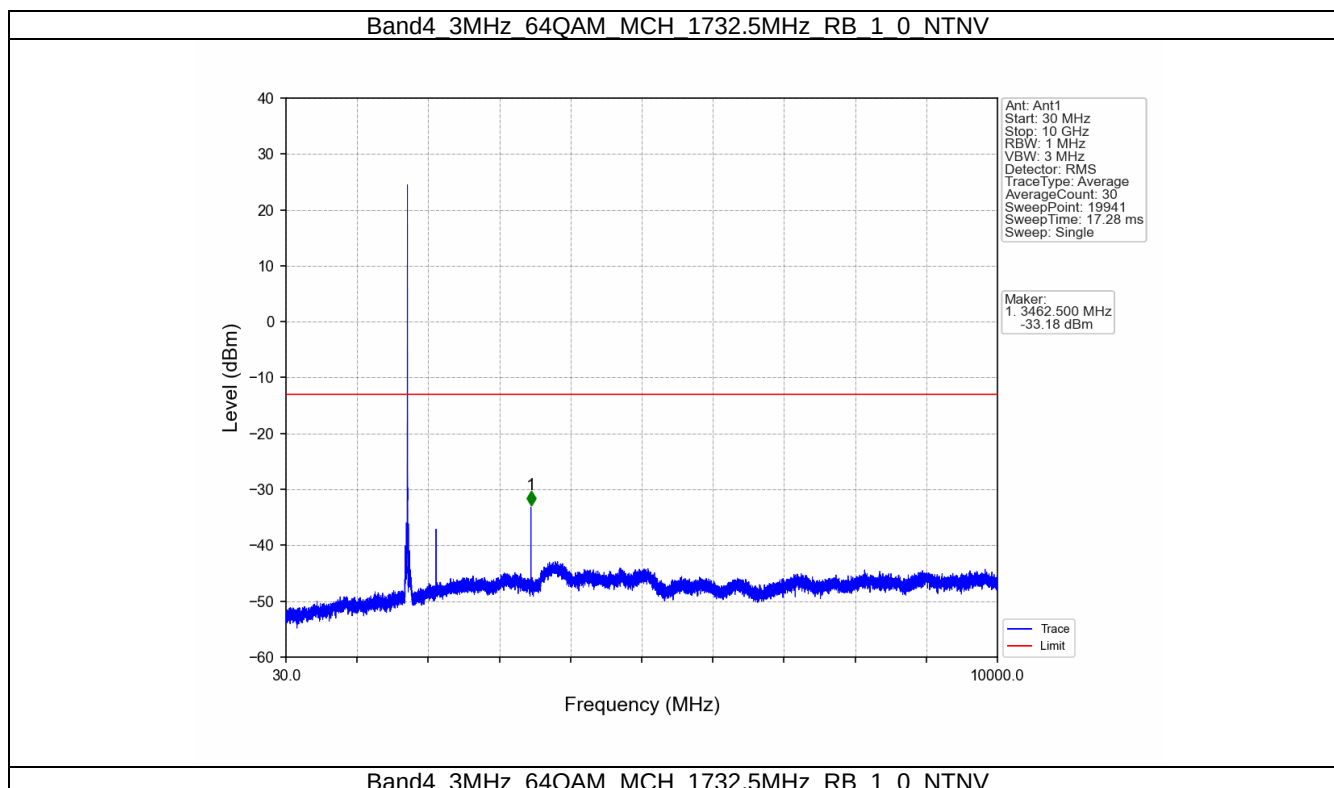
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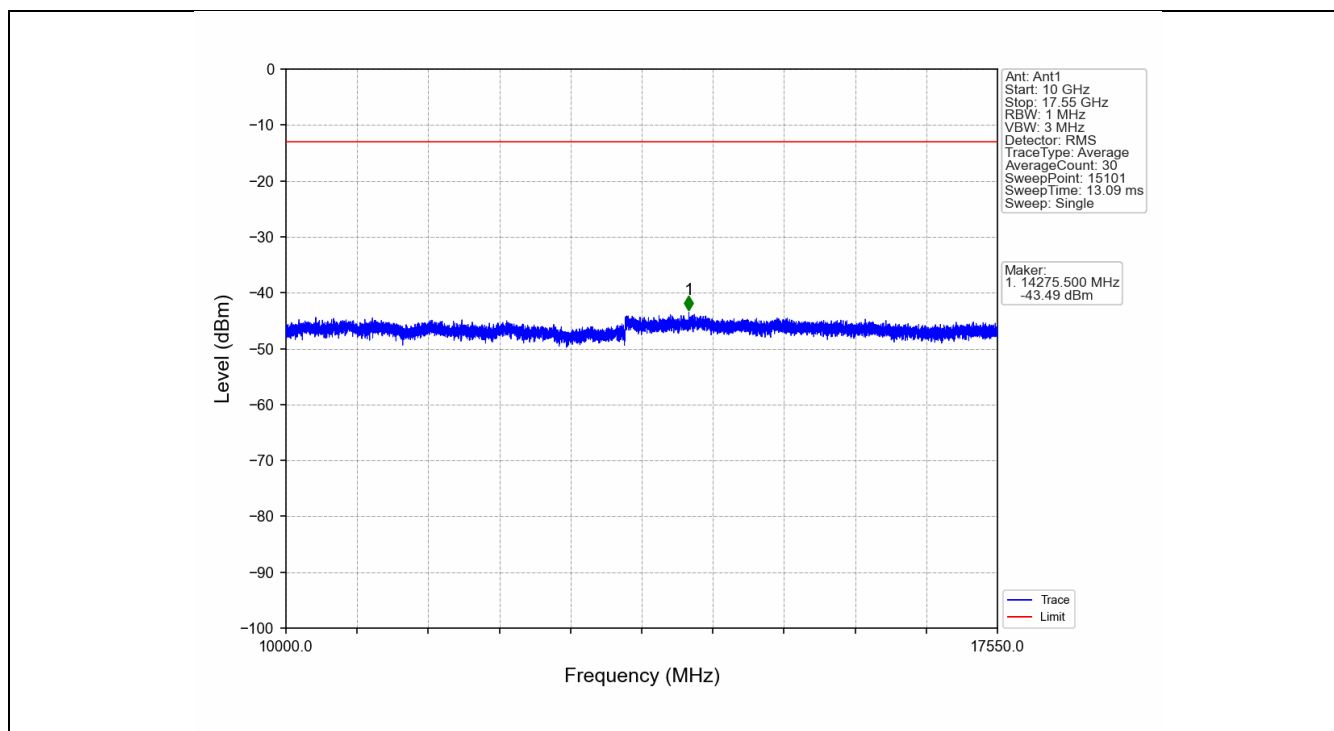
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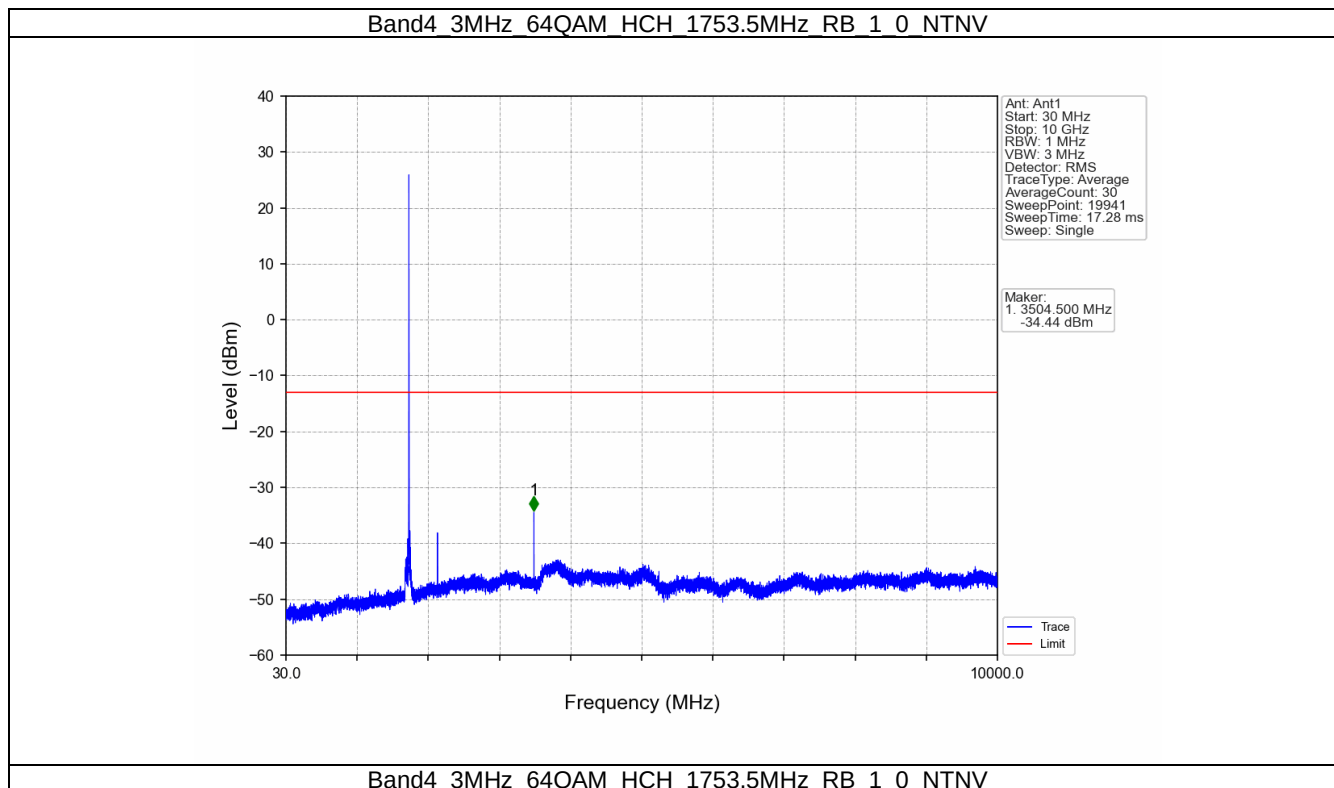
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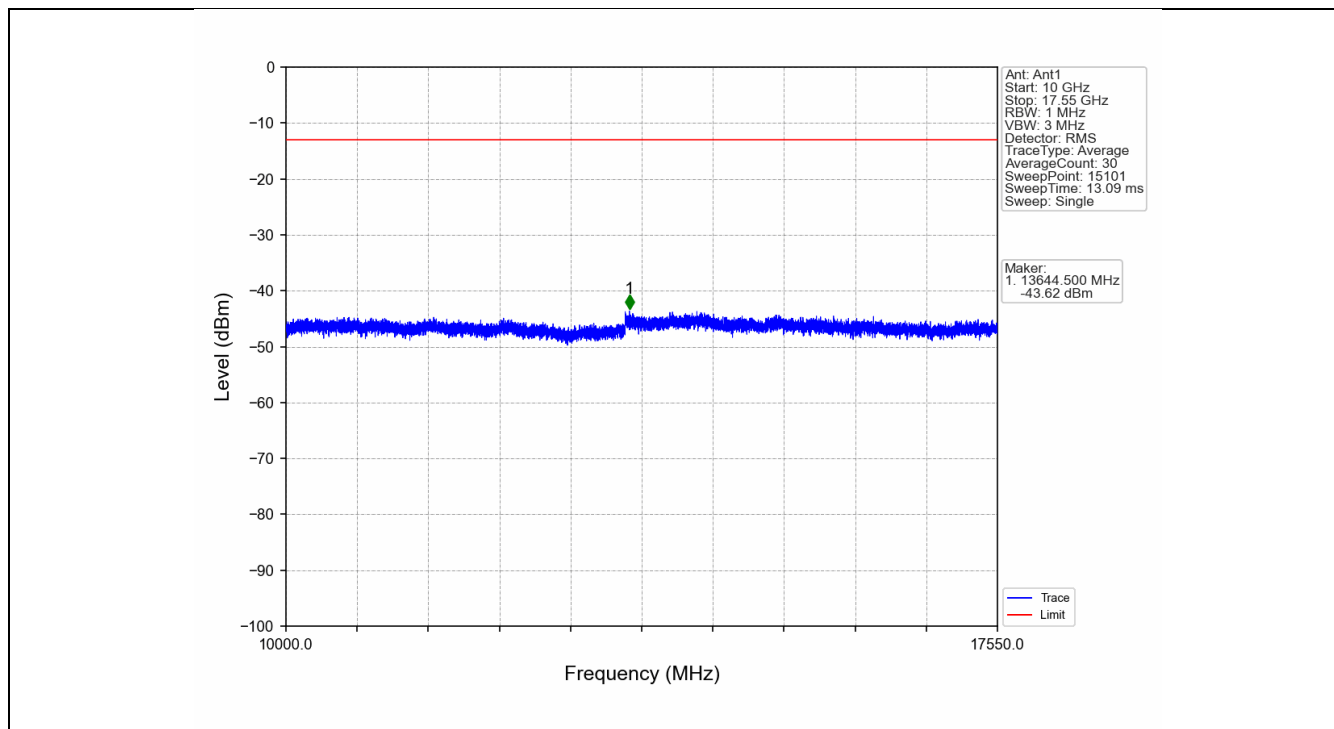
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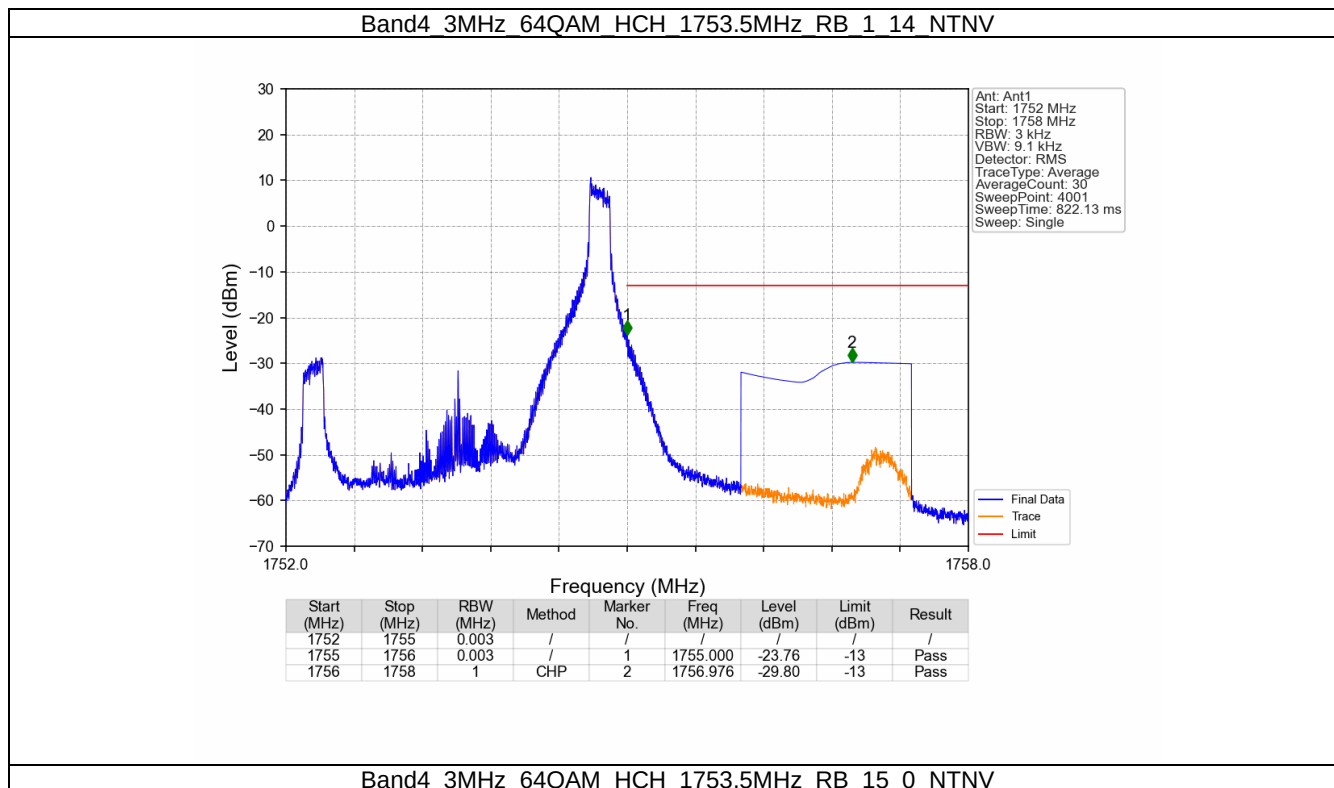
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Band4 3MHz 64QAM HCH 1753.5MHz RB 15 0 NTV



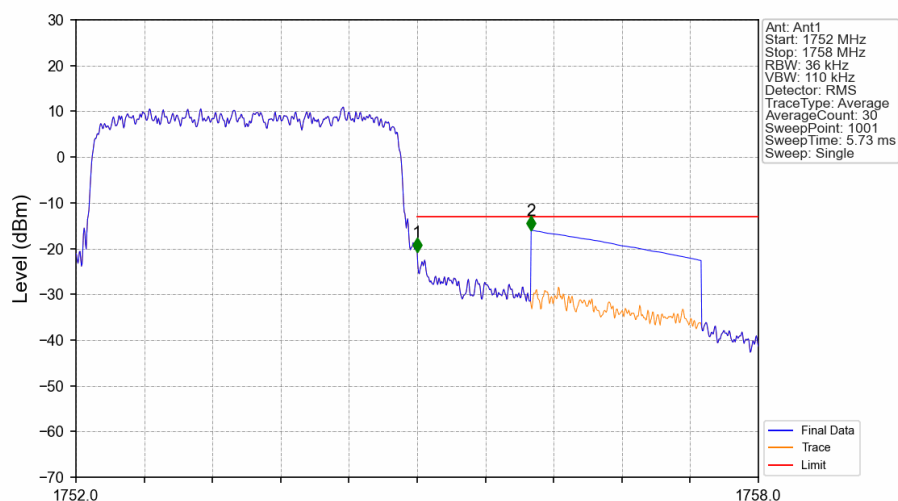
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.036	/	1	1755.000	-20.86	-13	Pass
1755	1756	0.036	/	2	1756.002	-15.98	-13	Pass
1756	1758	1	CHP					



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2.3 B4_5MHz

2.3.1 Test Result

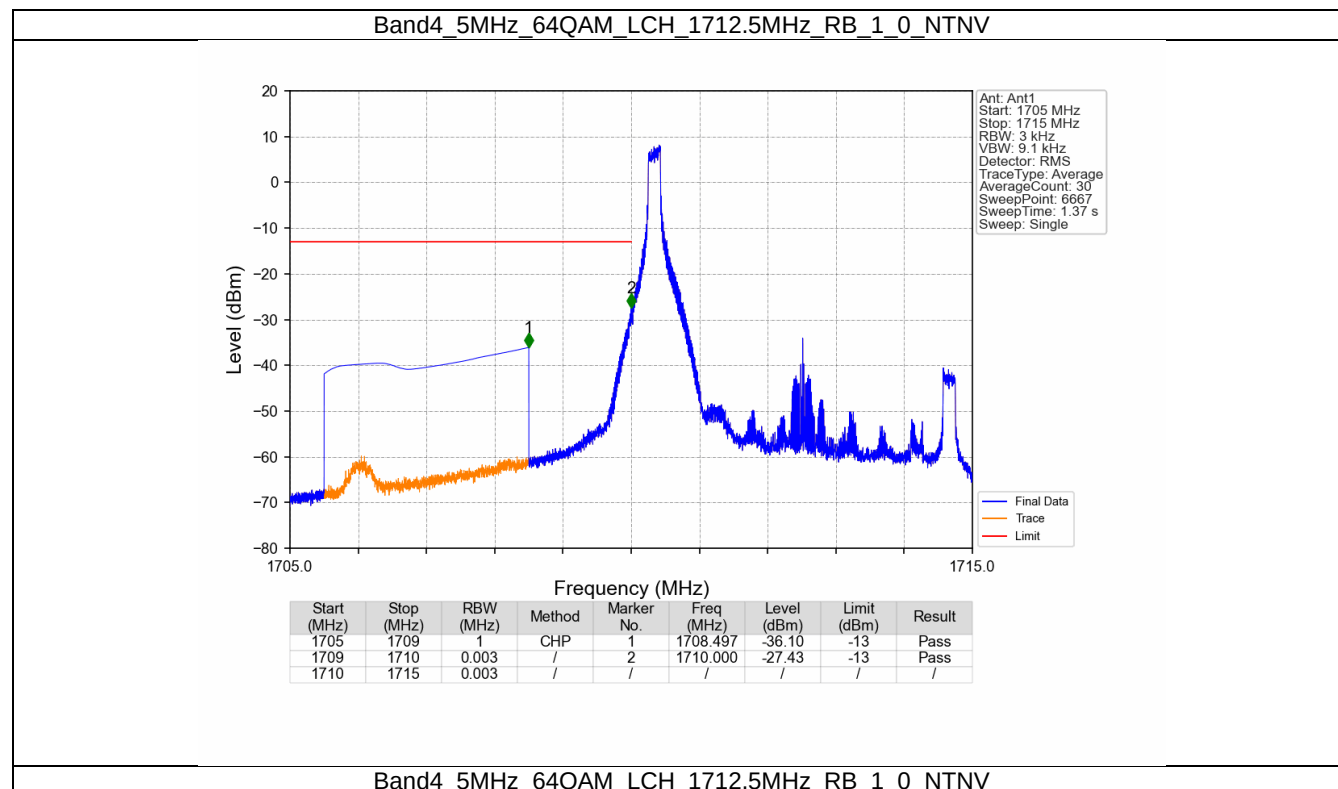
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



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2.3.2 Test Graph



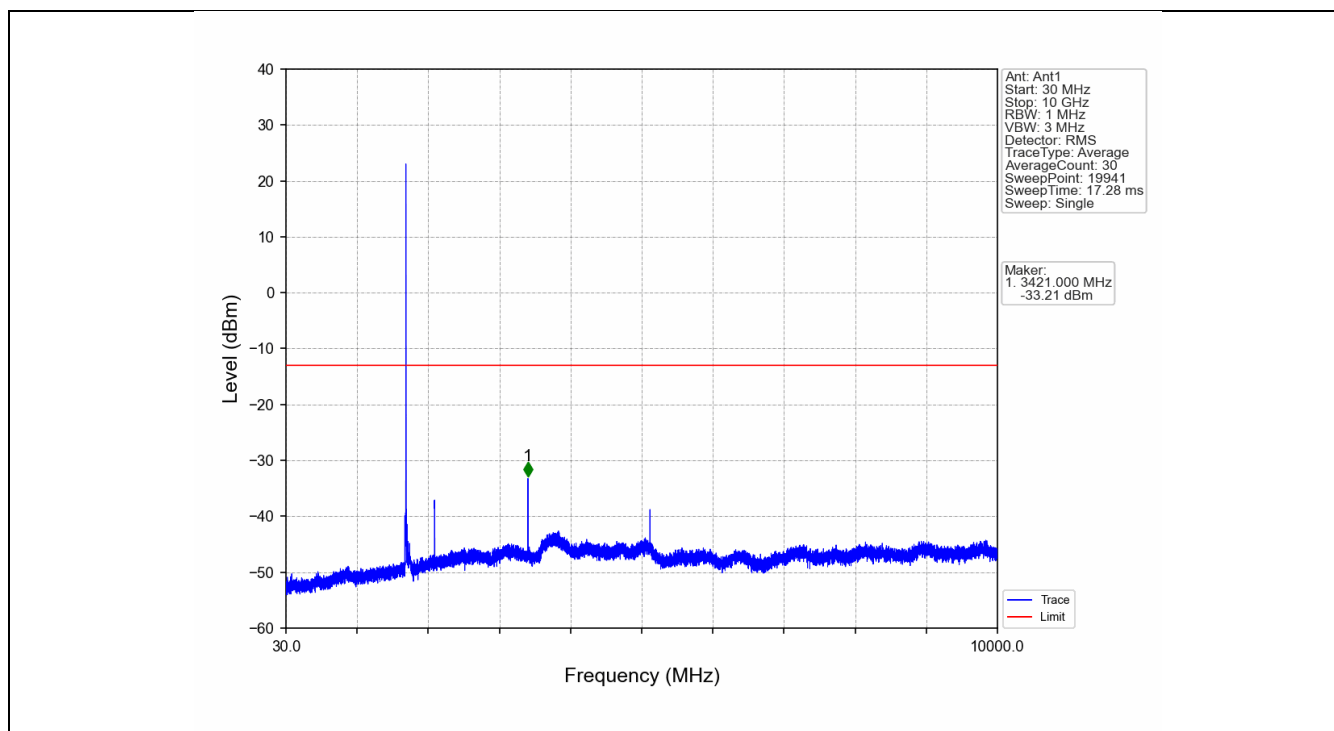
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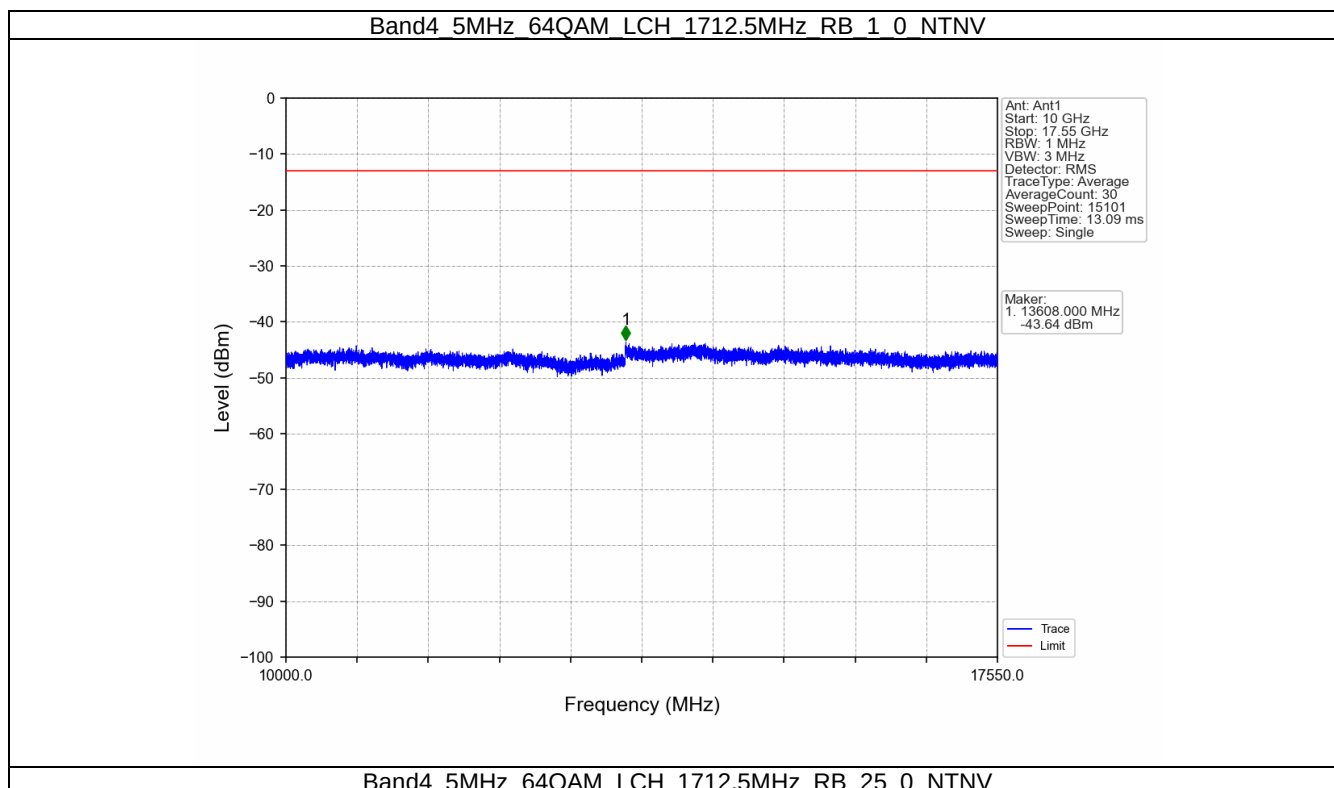
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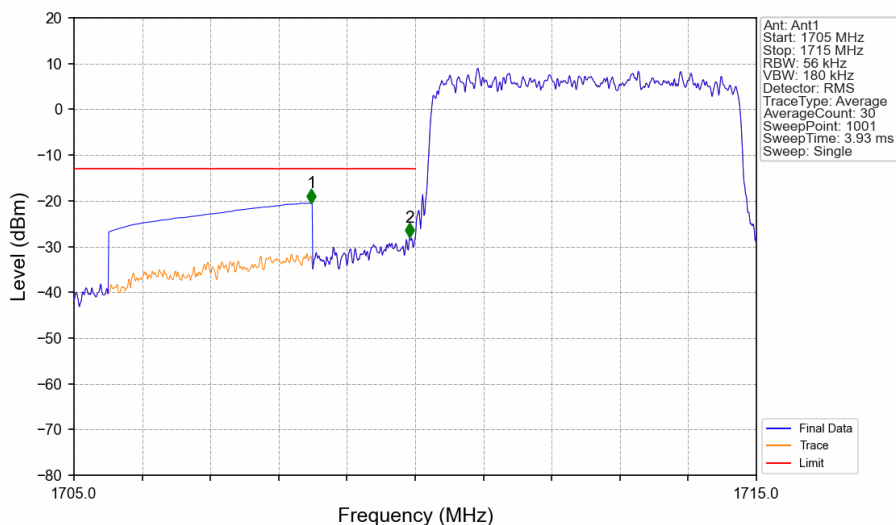
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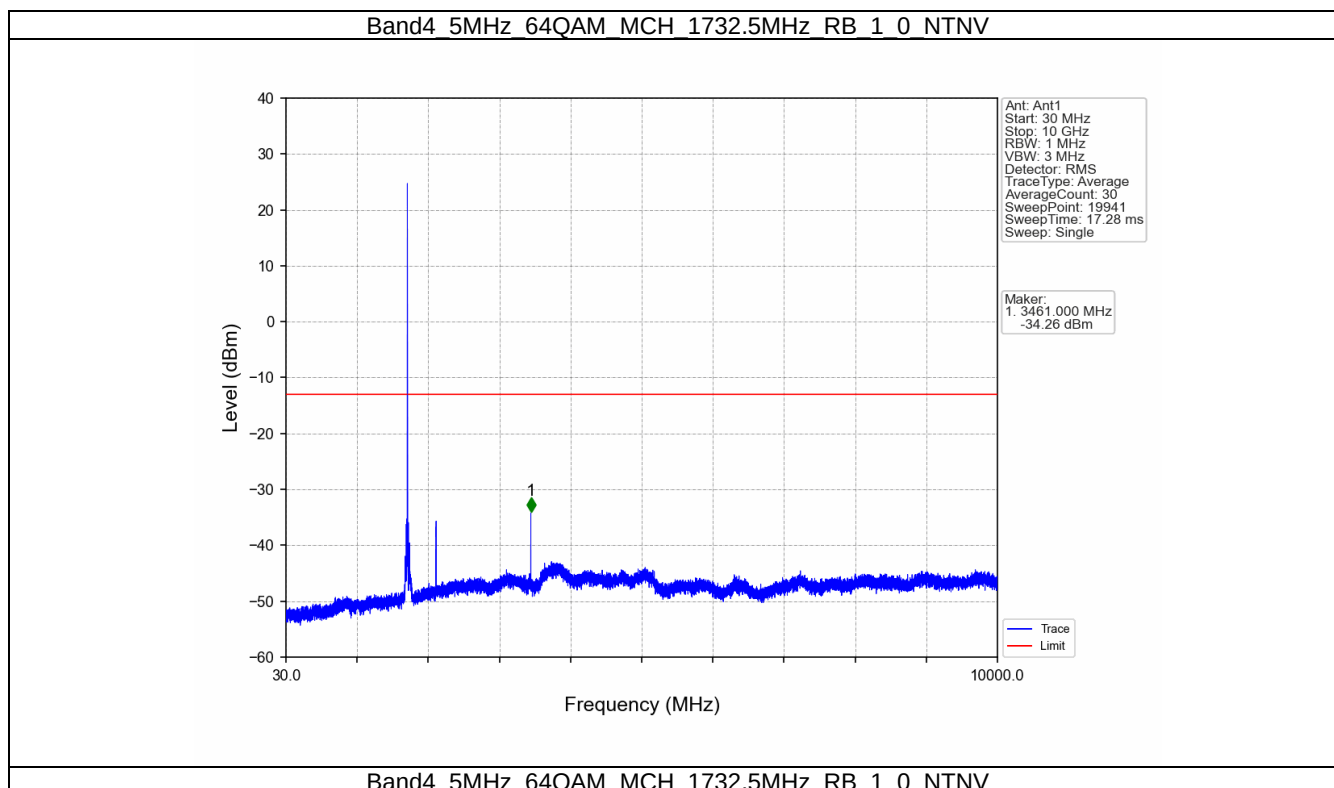
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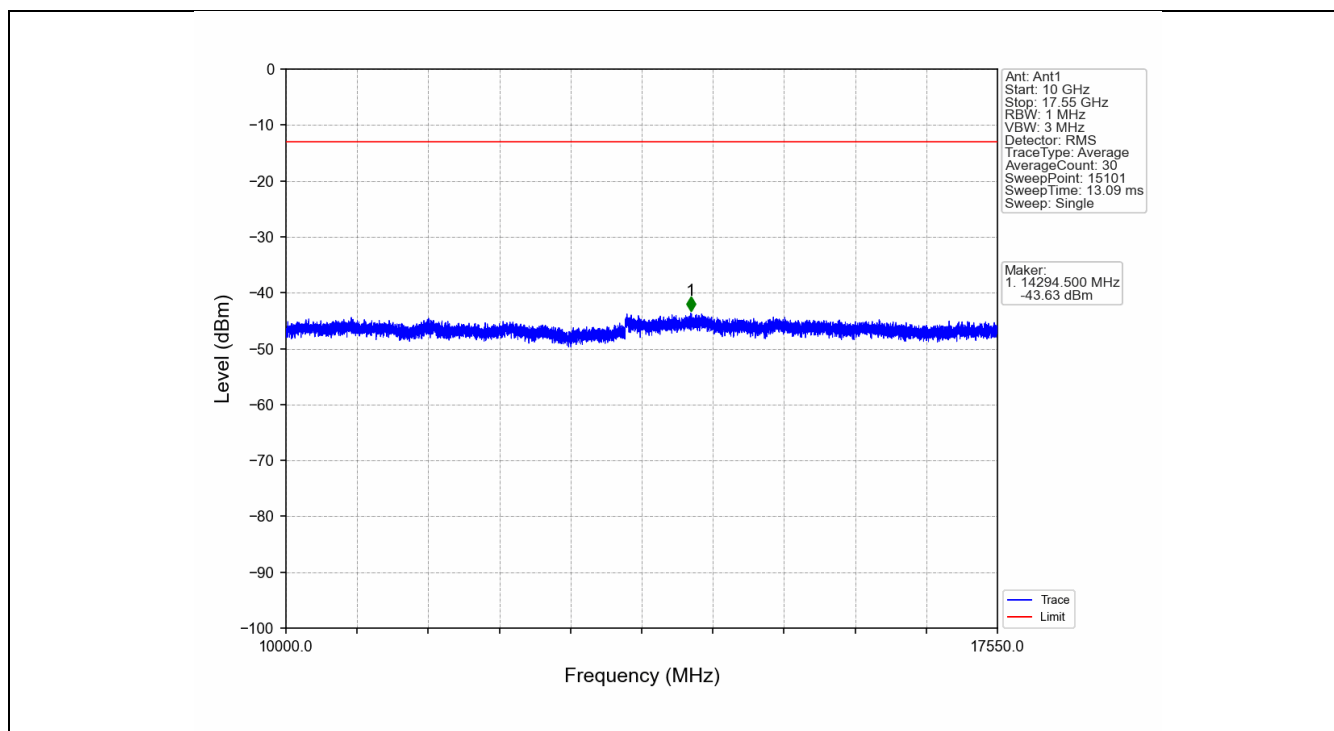
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.480	-20.49	-13	Pass
1709	1710	0.056	/	2	1709.920	-27.97	-13	Pass
1710	1715	0.056	/	/	/	/	/	/







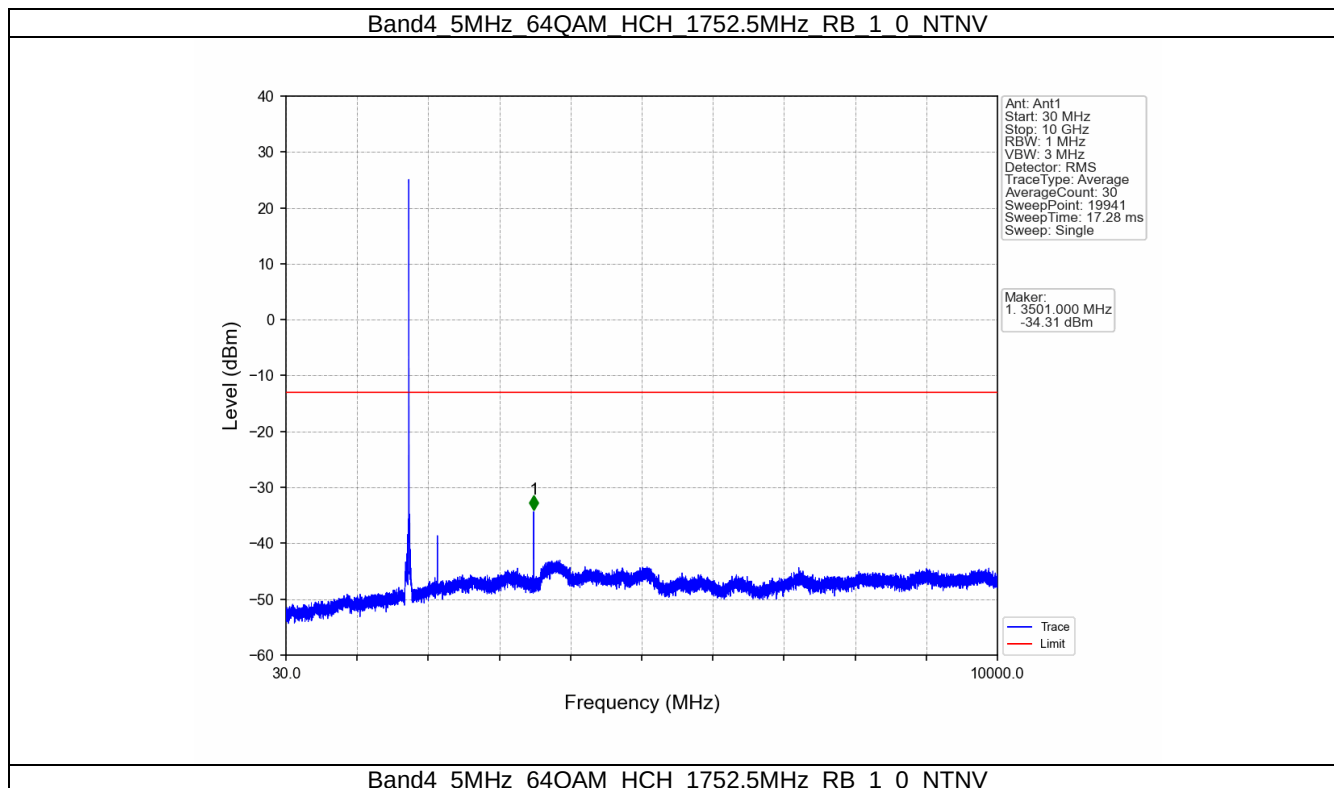
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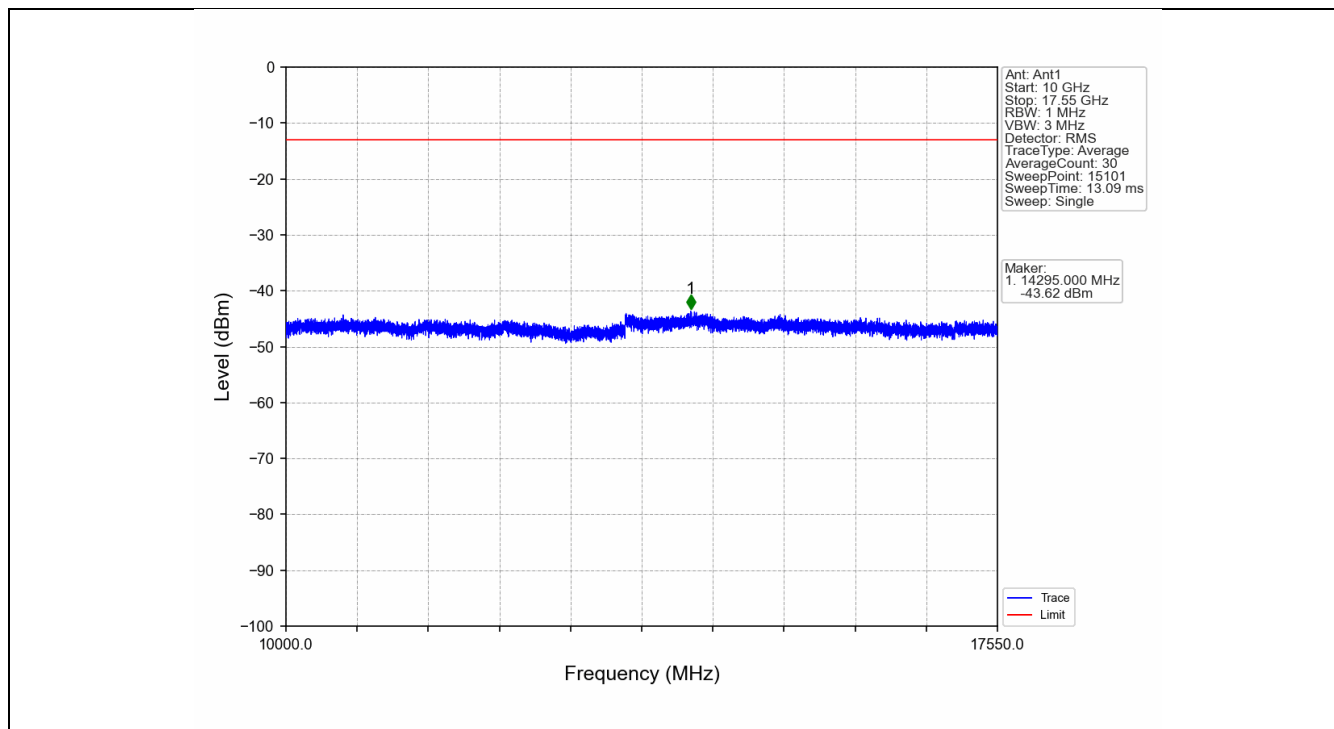
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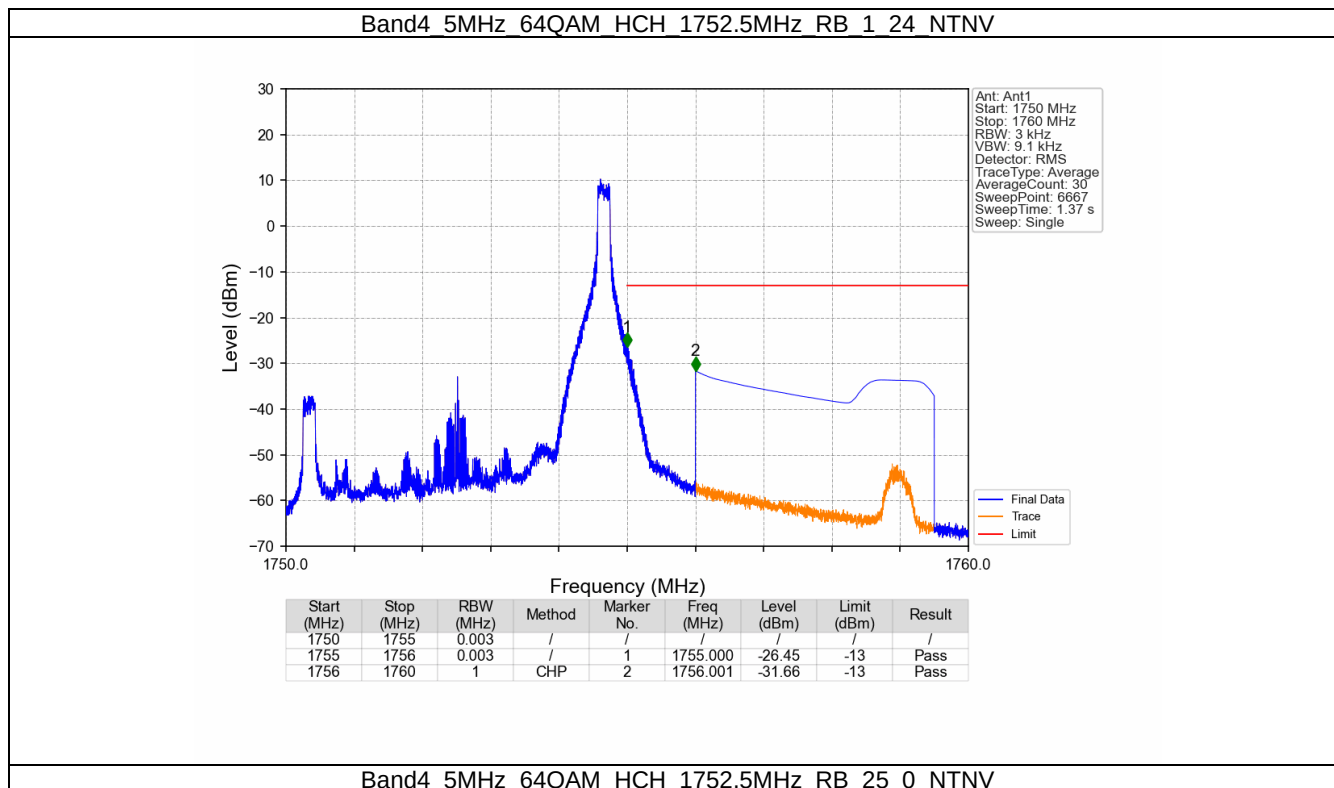
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Band4 5MHz 64QAM HCH 1752.5MHz RB 25 0 NTV



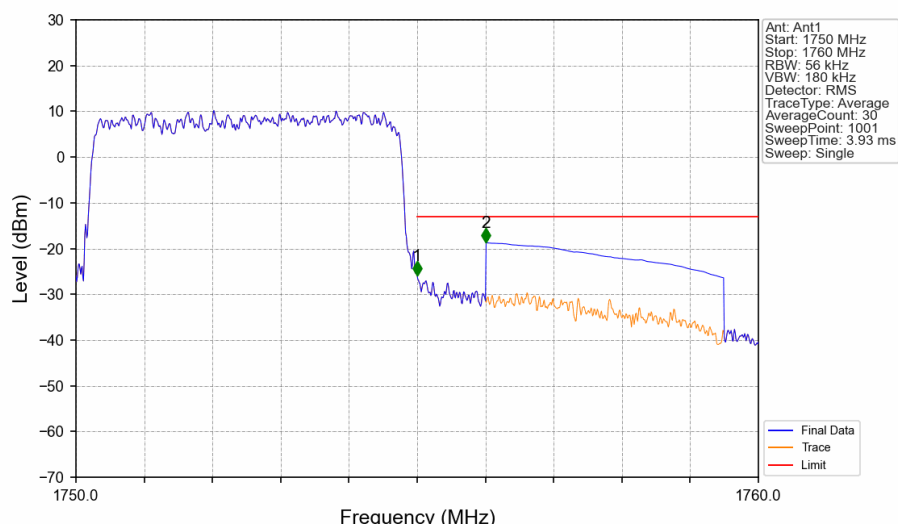
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.056	/	1	1755.000	-25.90	-13	Pass
1755	1760	1	CHP	2	1756.010	-18.75	-13	Pass



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2.4 B4_10MHz

2.4.1 Test Result

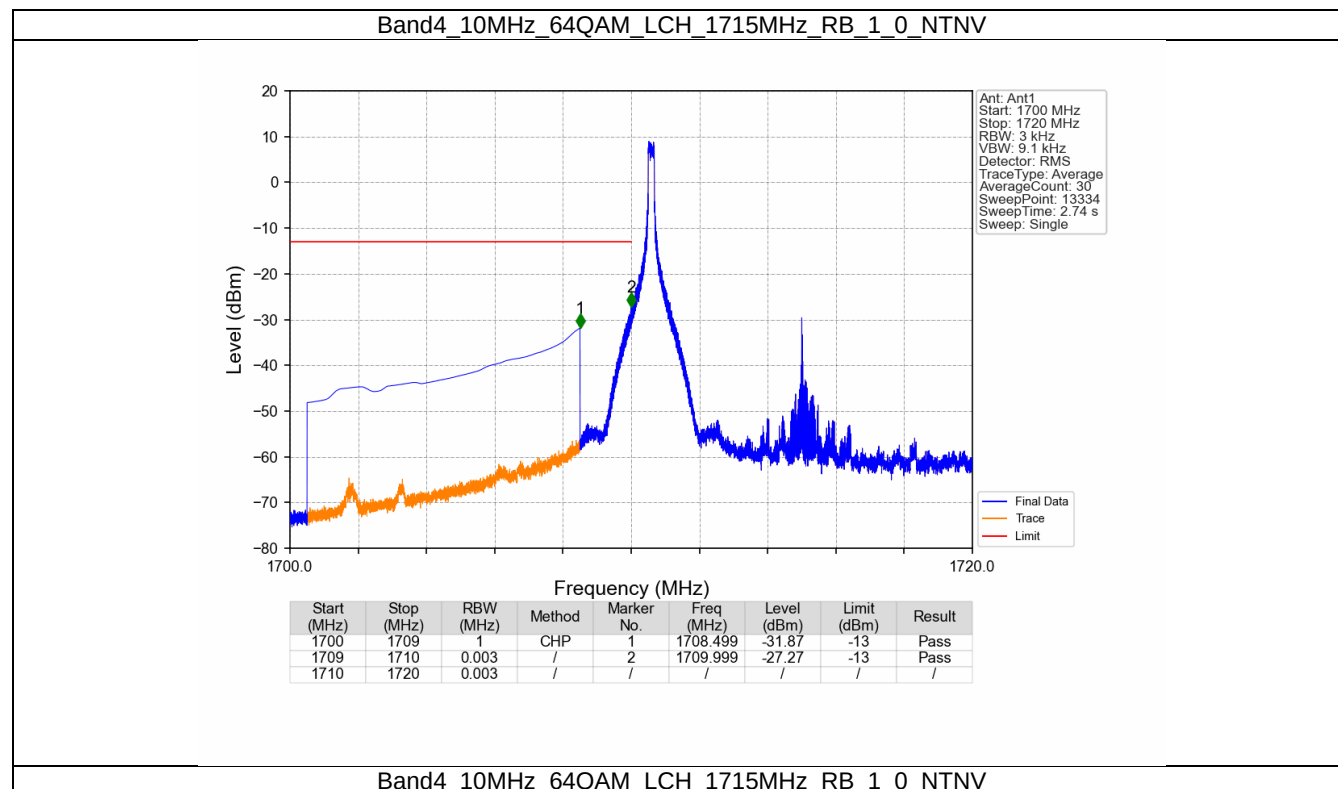
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass



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2.4.2 Test Graph



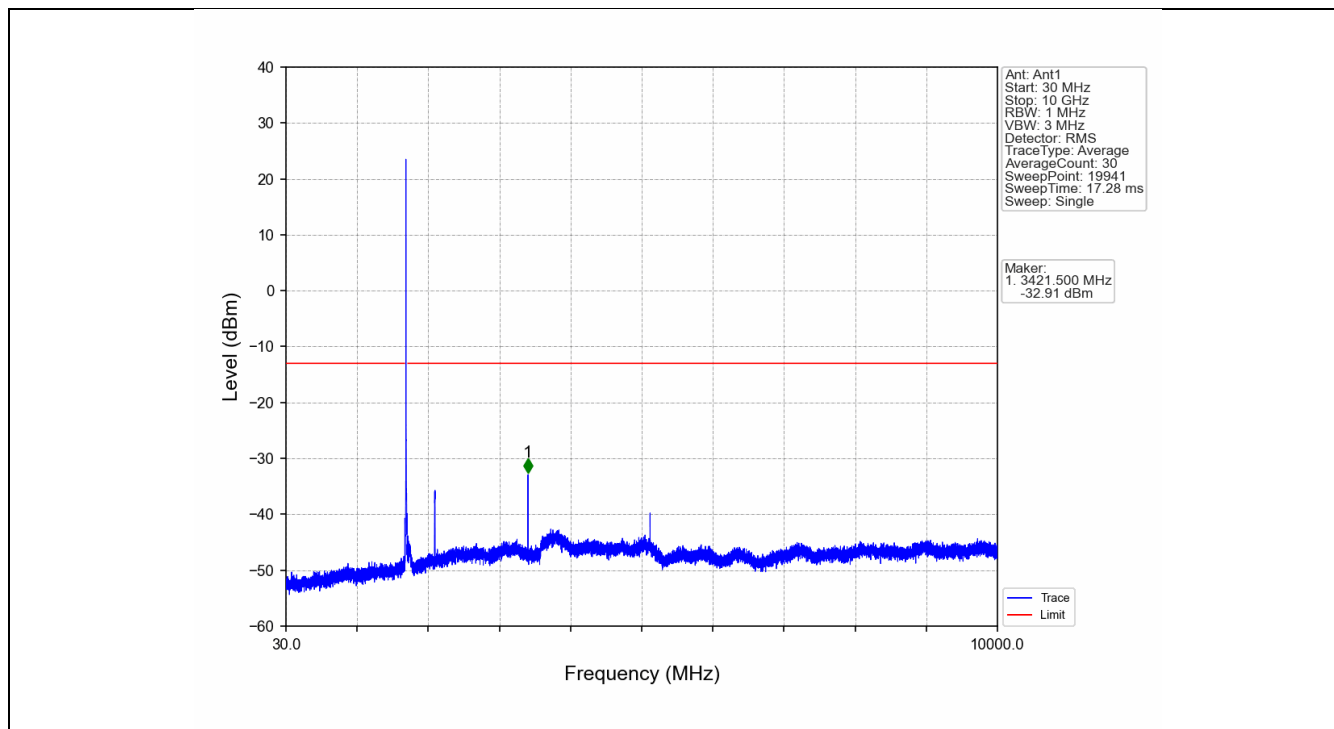
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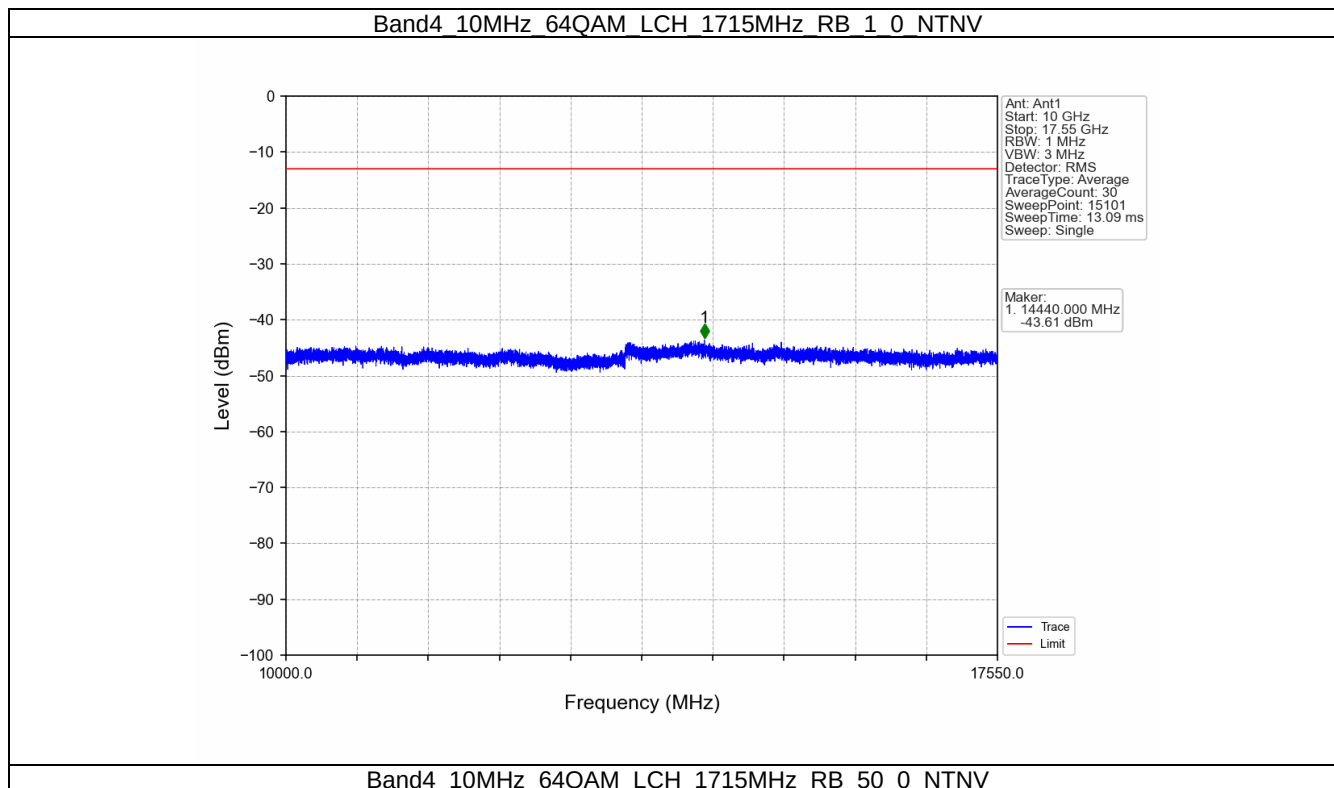
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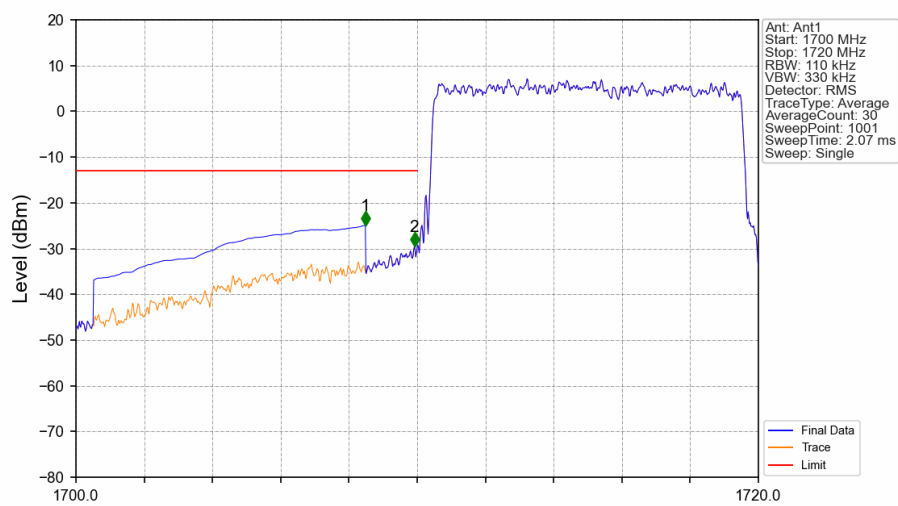
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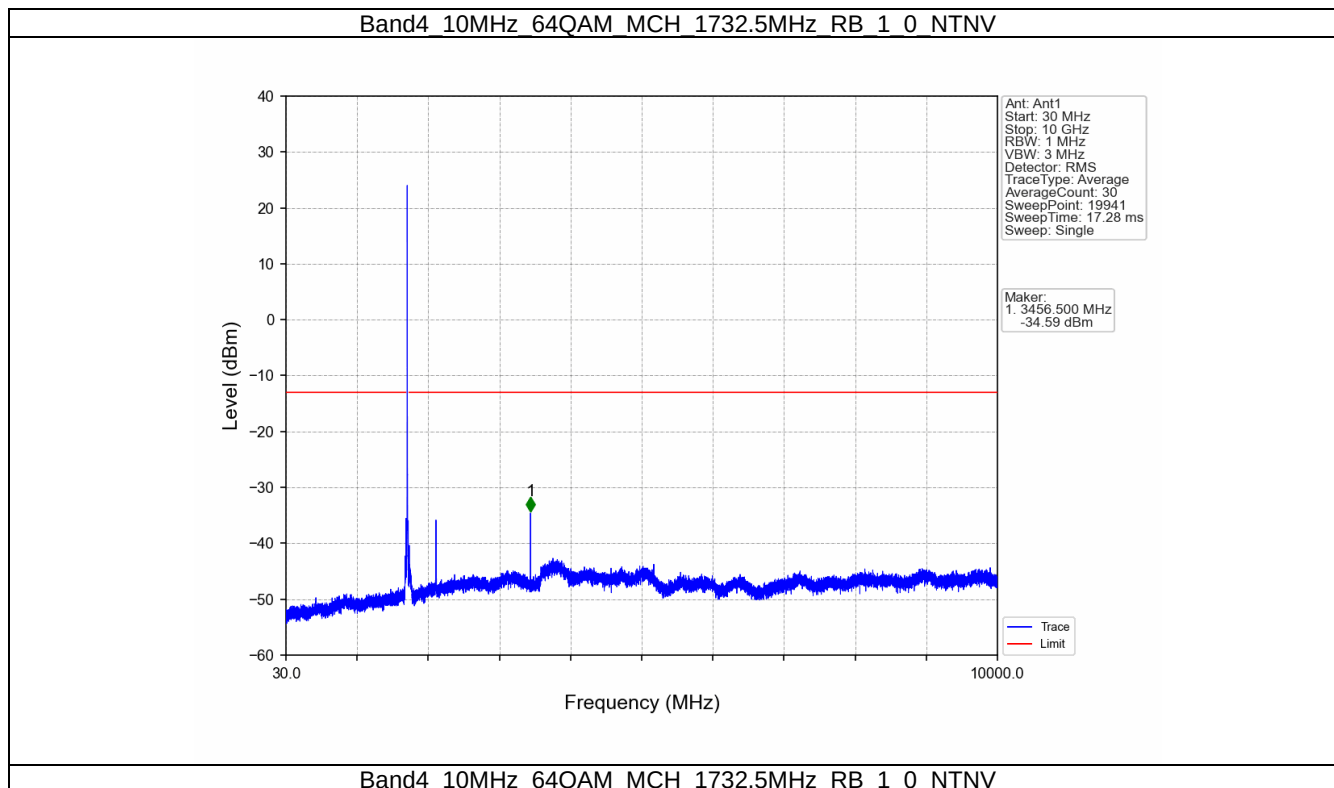
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-24.93	-13	Pass
1709	1710	0.11	/	2	1709.920	-29.51	-13	Pass
1710	1720	0.11	/	/	/	/	/	/

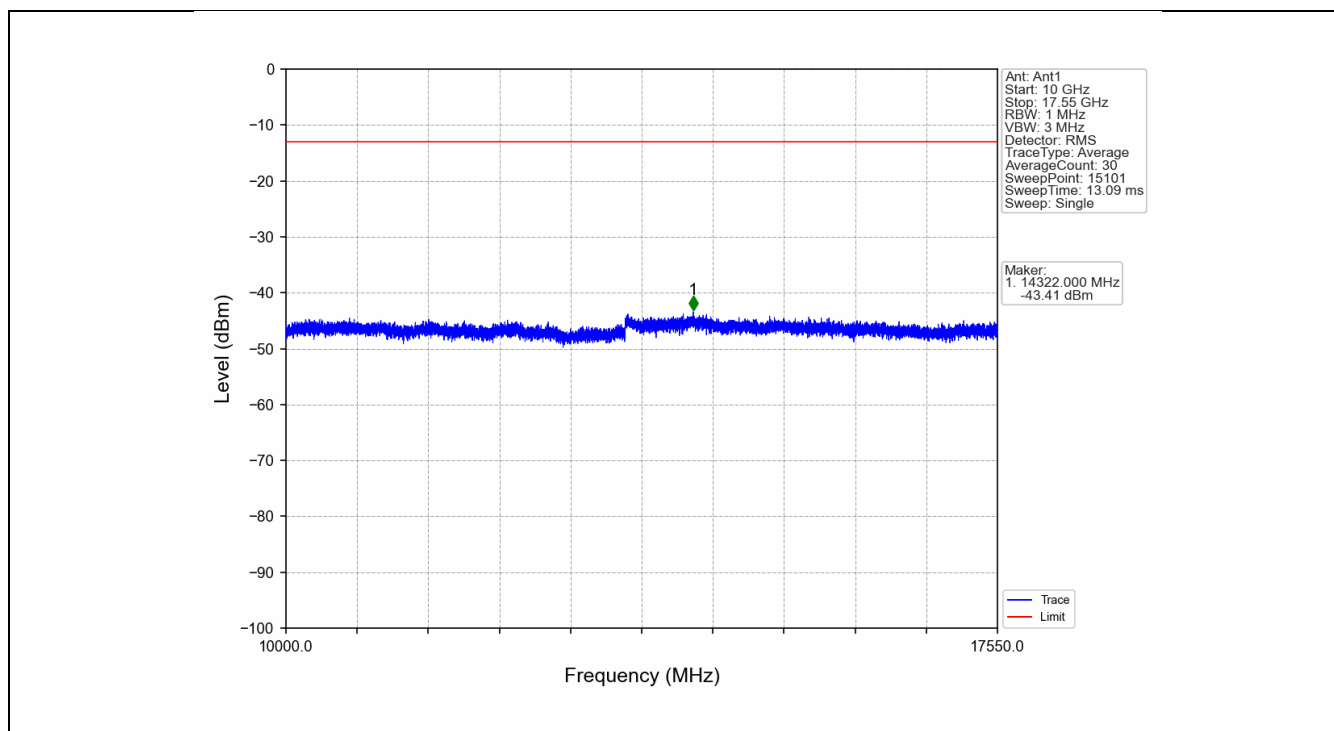




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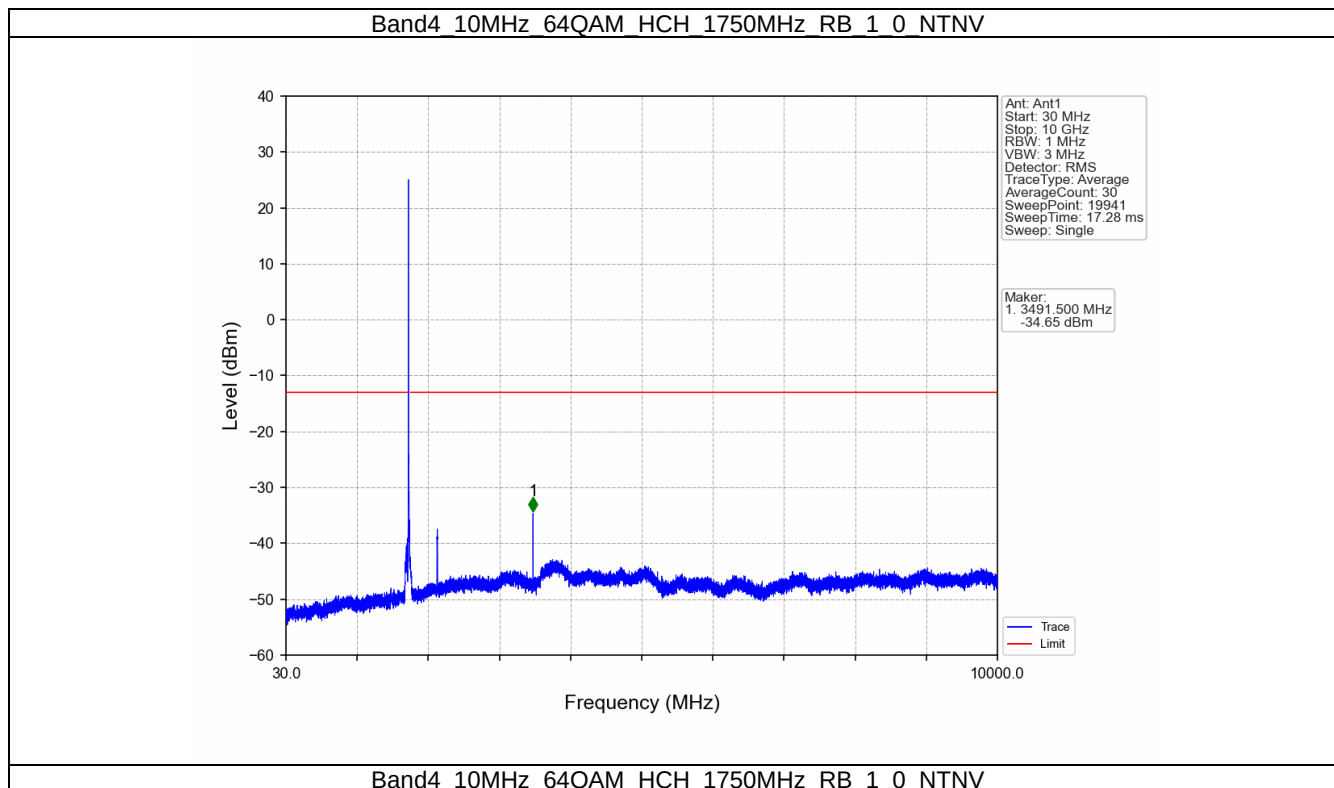
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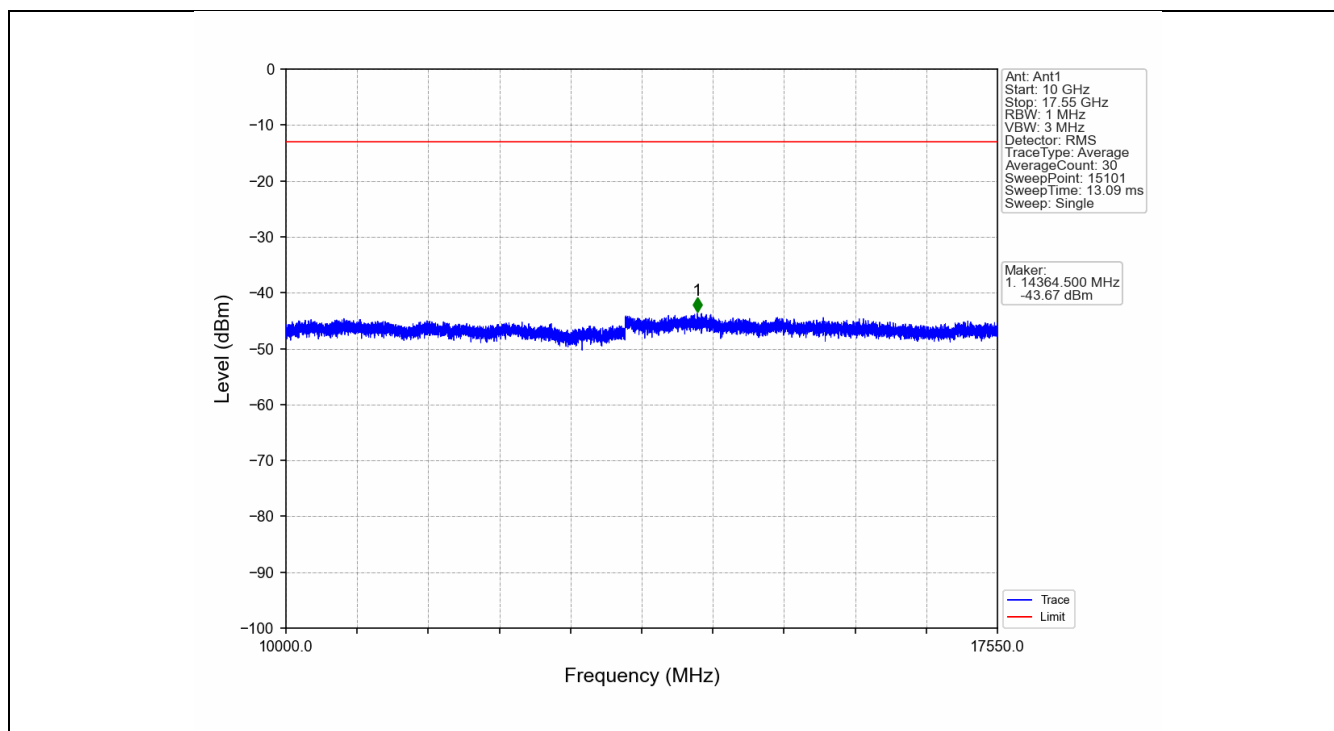
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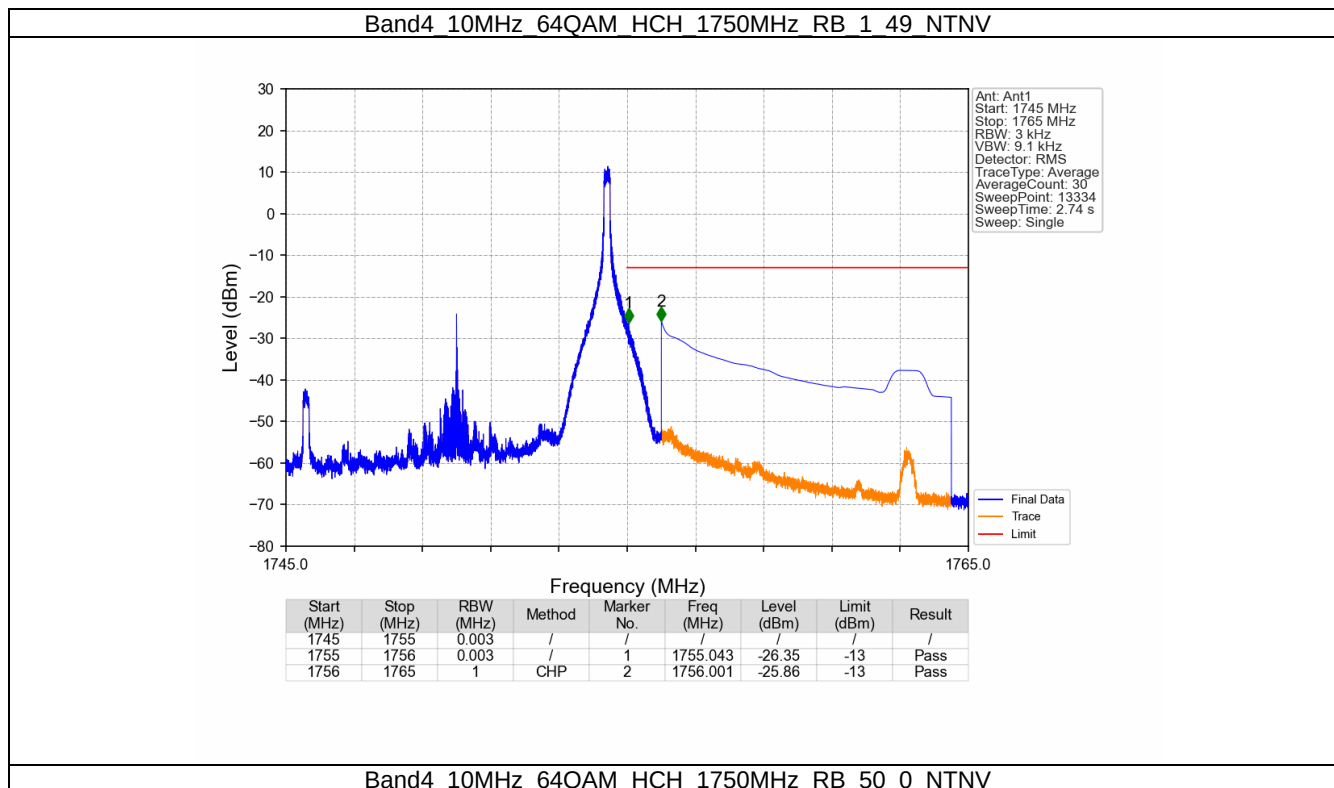
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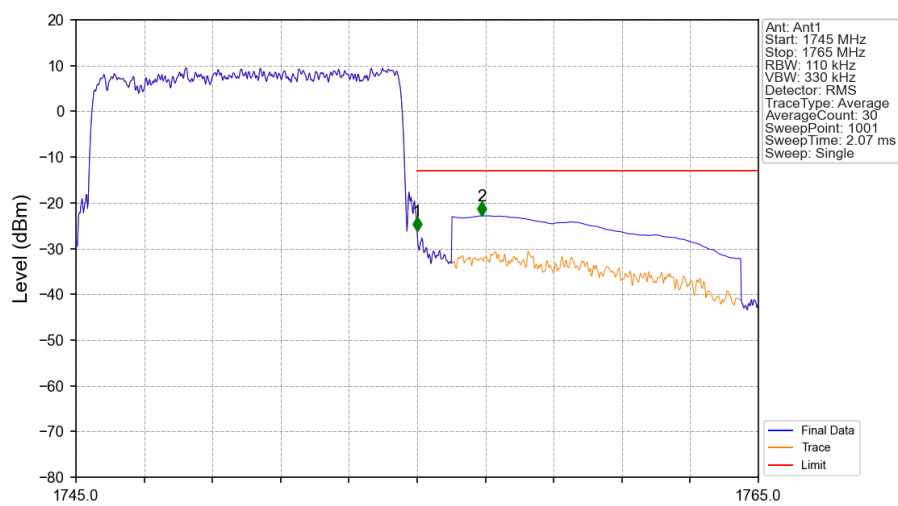
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.11	/	1	1755.000	-26.18	-13	Pass
1755	1756	0.11	/	1	1755.000	-26.18	-13	Pass
1756	1765	1	CHP	2	1756.900	-22.84	-13	Pass



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2.5 B4_15MHz

2.5.1 Test Result

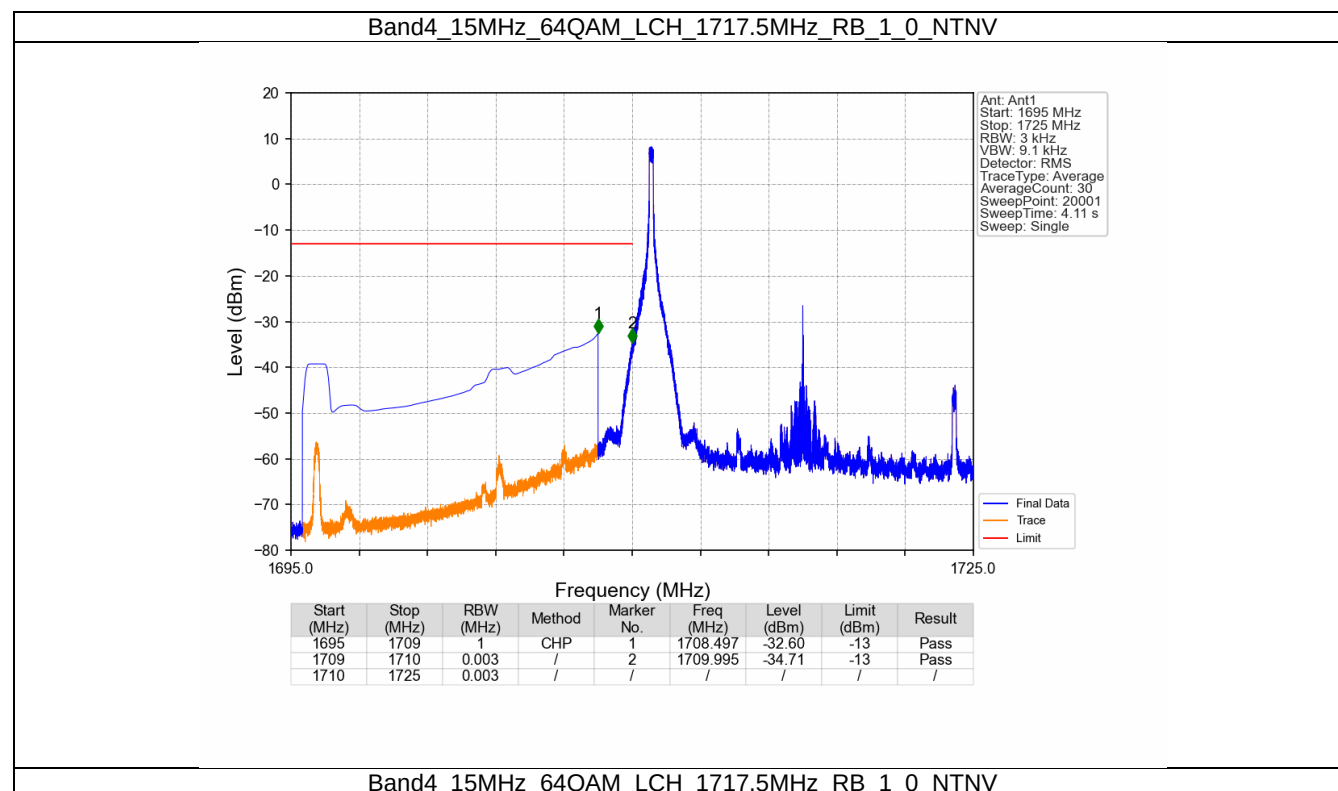
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass



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2.5.2 Test Graph



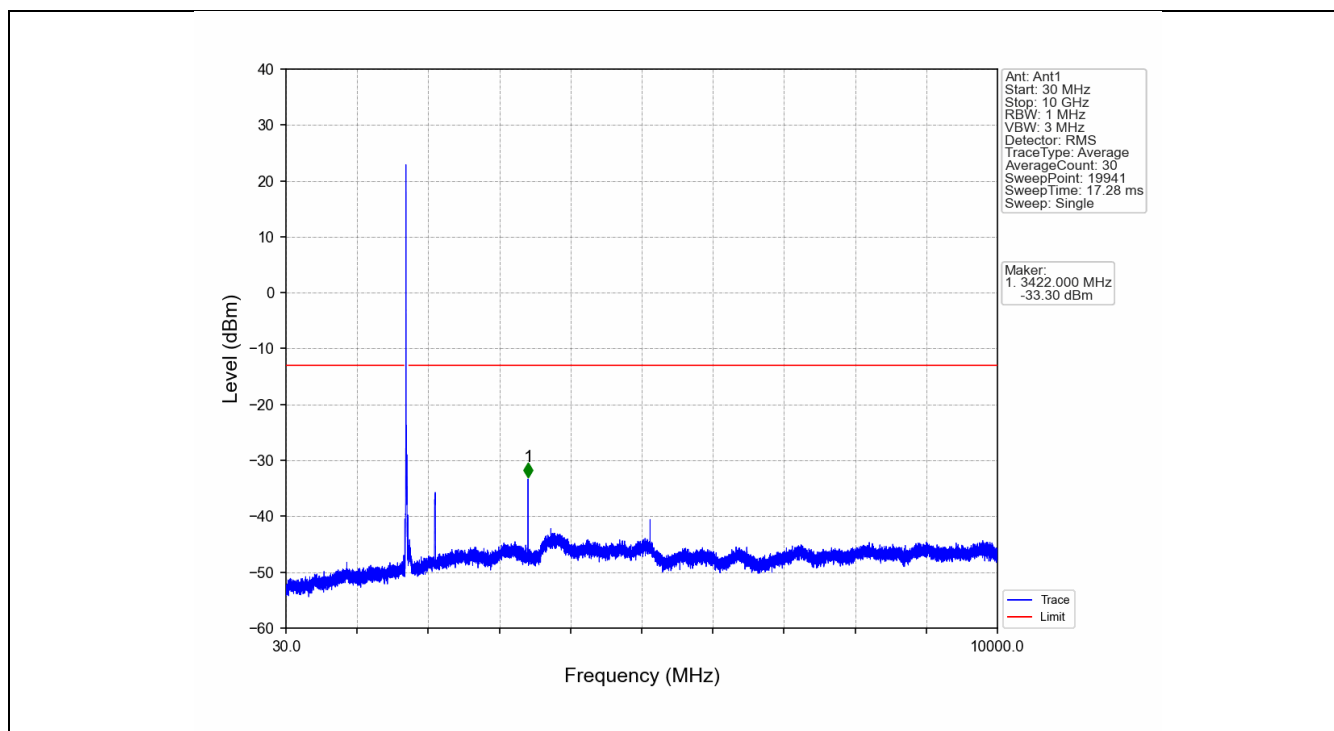
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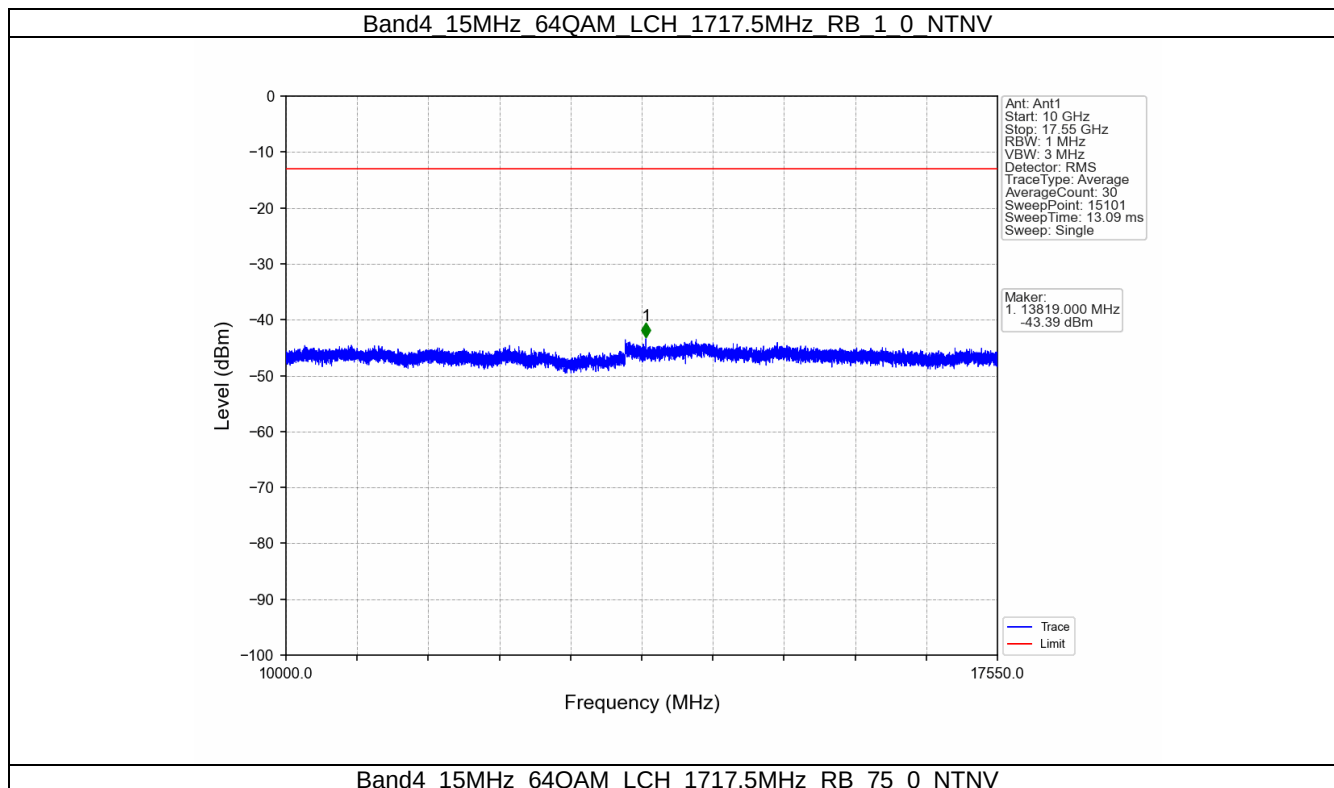
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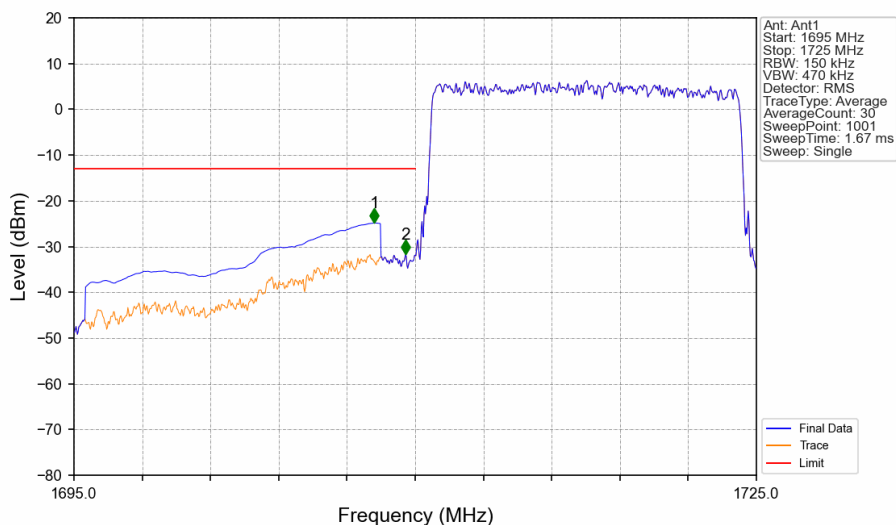
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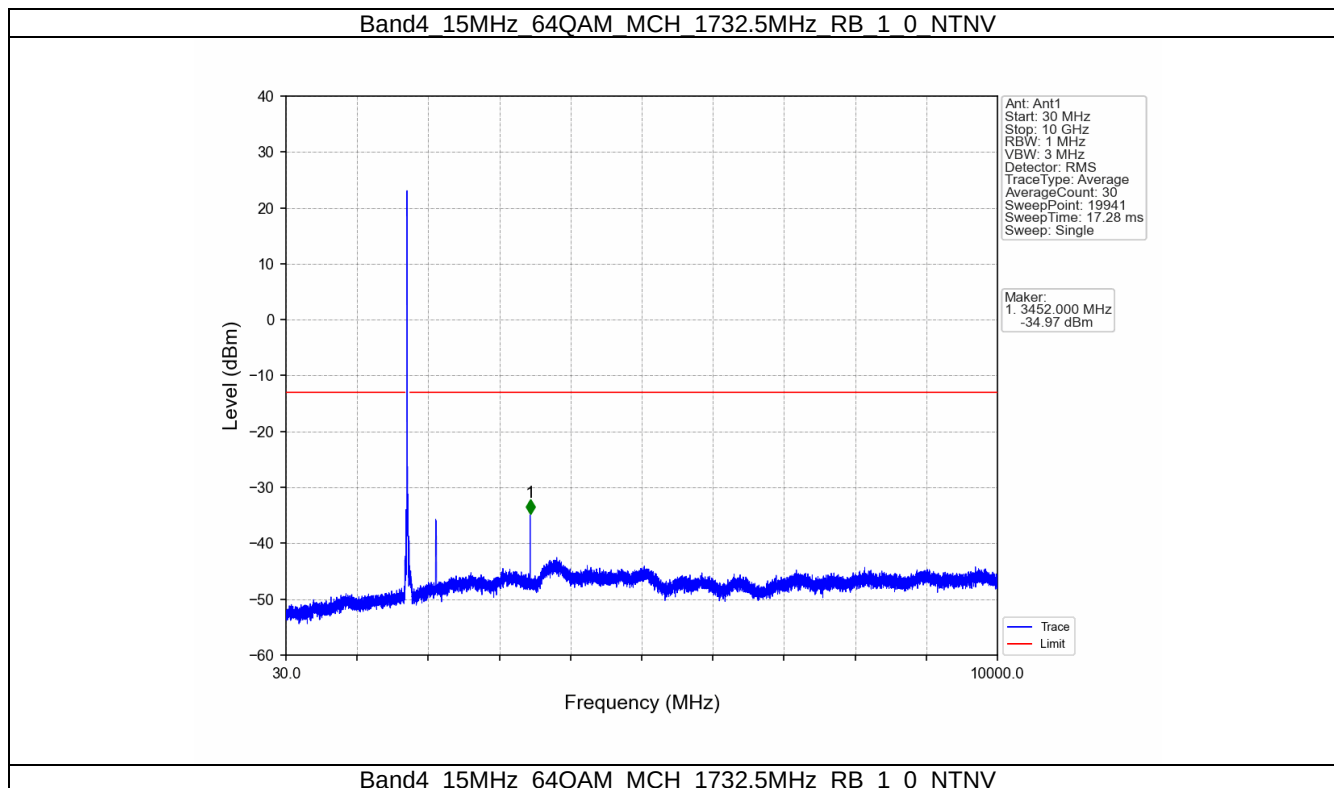


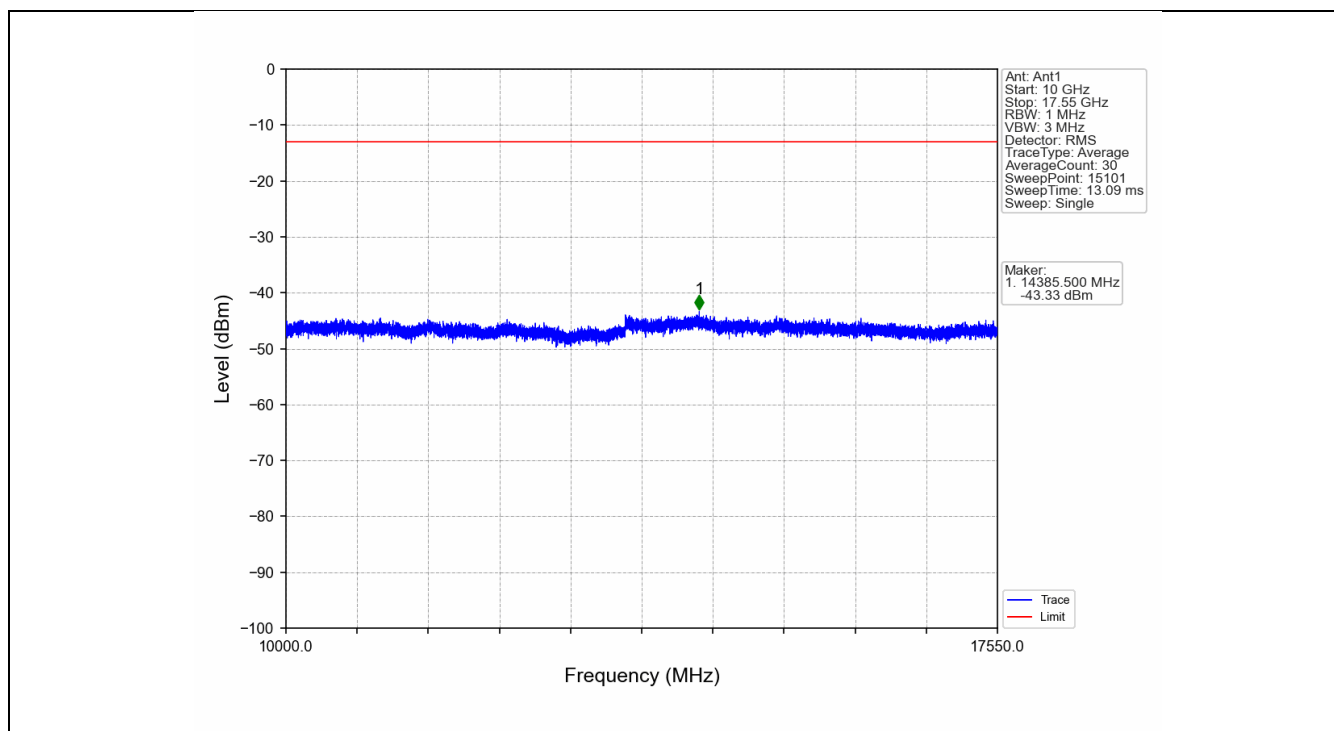
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.200	-24.87	-13	Pass
1709	1710	0.15	/	2	1709.580	-31.72	-13	Pass
1710	1725	0.15	/	/	/	/	/	/



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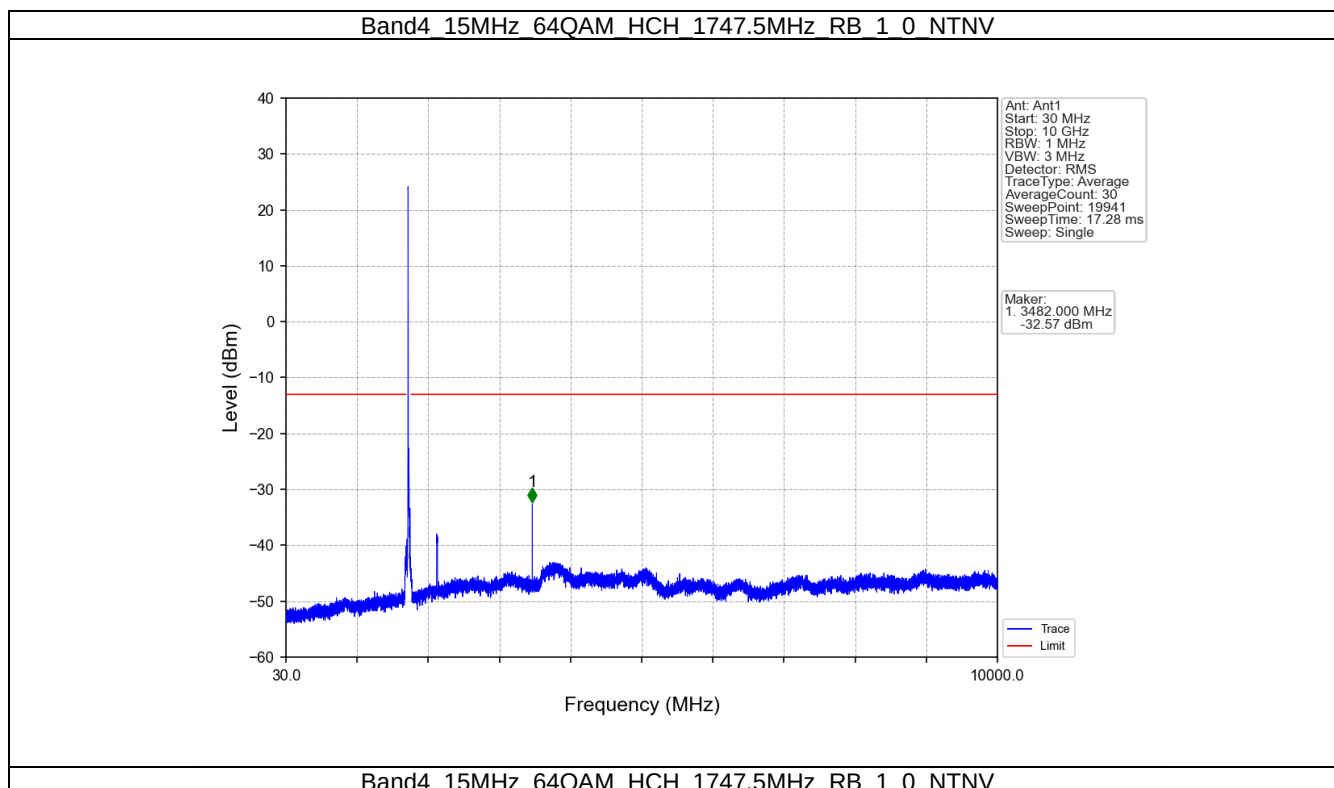
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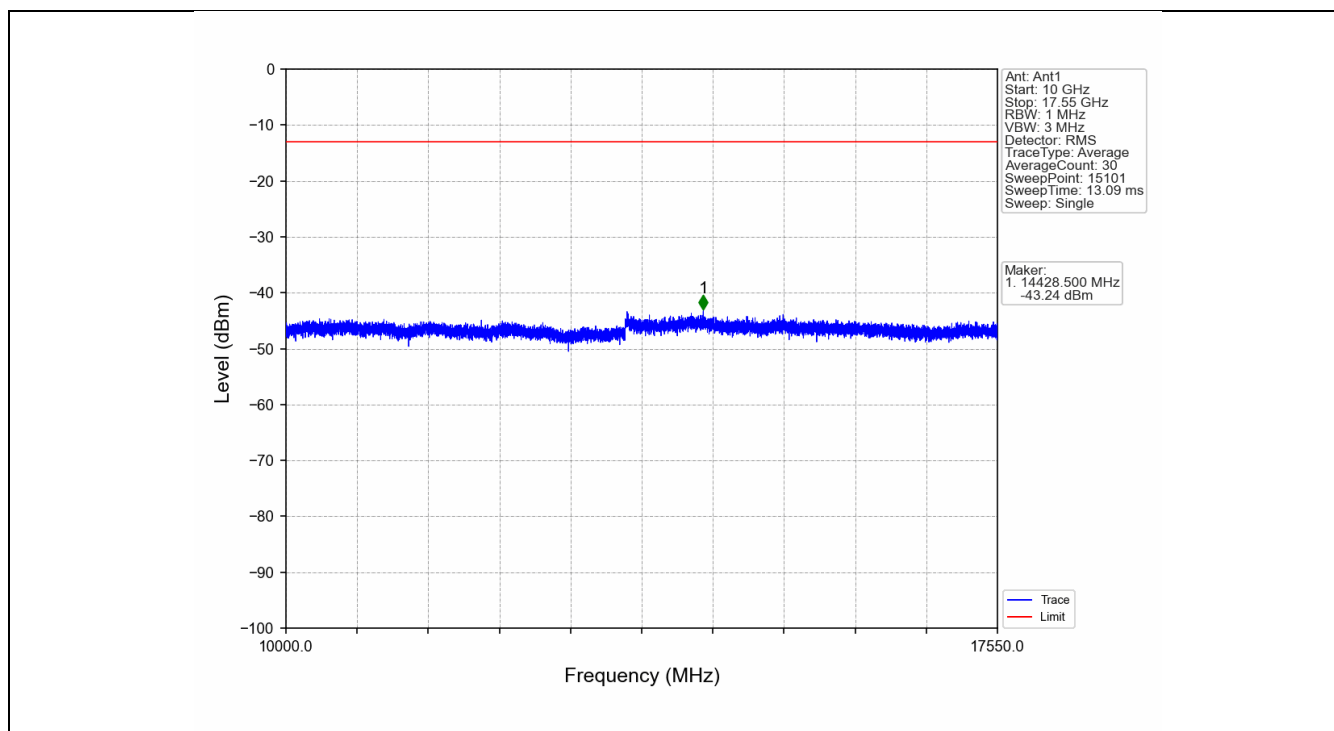
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