



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

Page: 1 of 227

1. 99% & 26dB Bandwidth

1.1 Band2_OBW

1.1.1 Test Result

Band: 2 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1850.7	6	0	1.150	Pass
		1880	6	0	1.148	Pass
		1909.3	6	0	1.143	Pass
	16QAM	1850.7	6	0	1.142	Pass
		1880	6	0	1.165	Pass
		1909.3	6	0	1.132	Pass
3	QPSK	1851.5	15	0	2.780	Pass
		1880	15	0	2.773	Pass
		1908.5	15	0	2.776	Pass
	16QAM	1851.5	15	0	2.792	Pass
		1880	15	0	2.813	Pass
		1908.5	15	0	2.790	Pass
5	QPSK	1852.5	25	0	4.595	Pass
		1880	25	0	4.587	Pass
		1907.5	25	0	4.535	Pass
	16QAM	1852.5	25	0	4.576	Pass
		1880	25	0	4.634	Pass
		1907.5	25	0	4.591	Pass
10	QPSK	1855	50	0	9.030	Pass
		1880	50	0	9.064	Pass
		1905	50	0	8.960	Pass
	16QAM	1855	50	0	9.042	Pass
		1880	50	0	9.051	Pass
		1905	50	0	8.963	Pass
15	QPSK	1857.5	75	0	13.513	Pass
		1880	75	0	13.544	Pass
		1902.5	75	0	13.513	Pass
	16QAM	1857.5	75	0	13.527	Pass
		1880	75	0	13.571	Pass
		1902.5	75	0	13.507	Pass
20	QPSK	1860	100	0	17.977	Pass
		1880	100	0	17.960	Pass
		1900	100	0	18.074	Pass
	16QAM	1860	100	0	17.966	Pass
		1880	100	0	17.935	Pass
		1900	100	0	18.006	Pass



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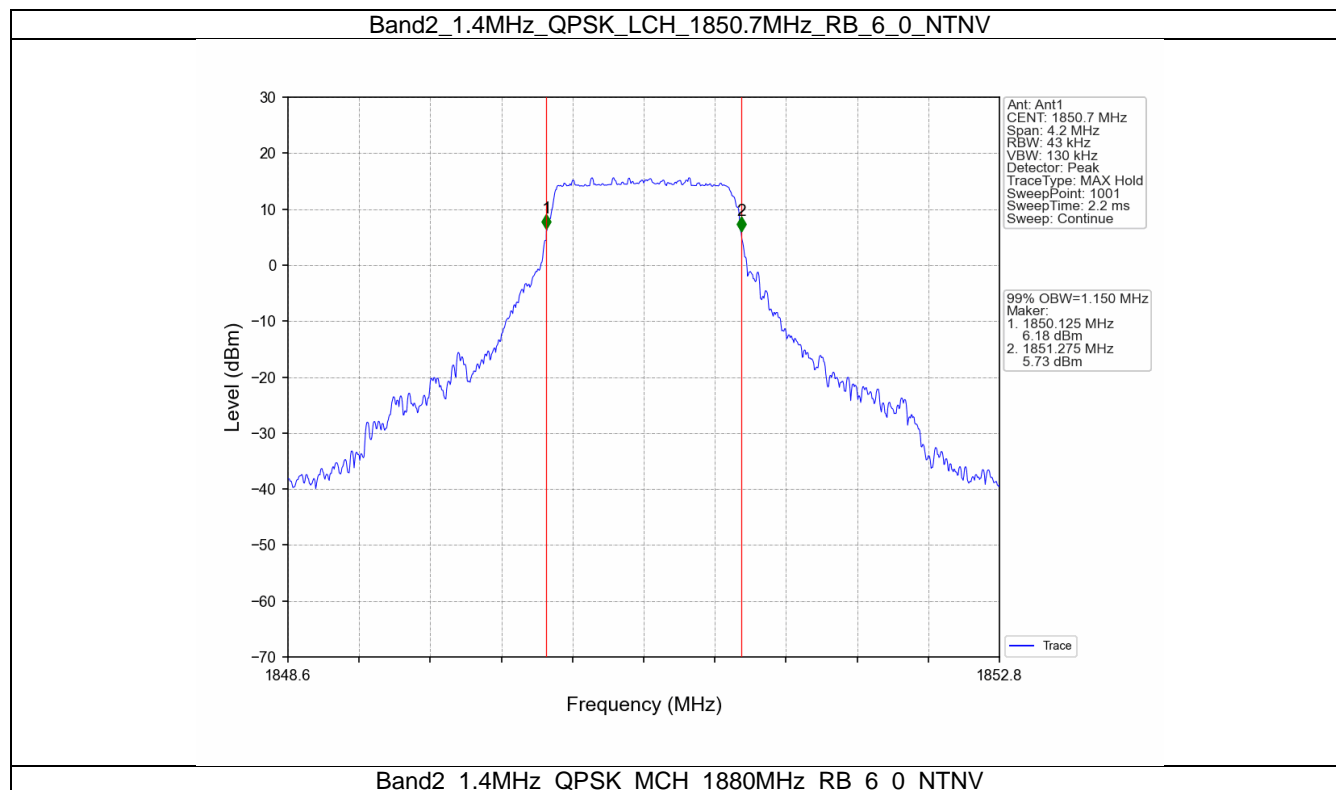
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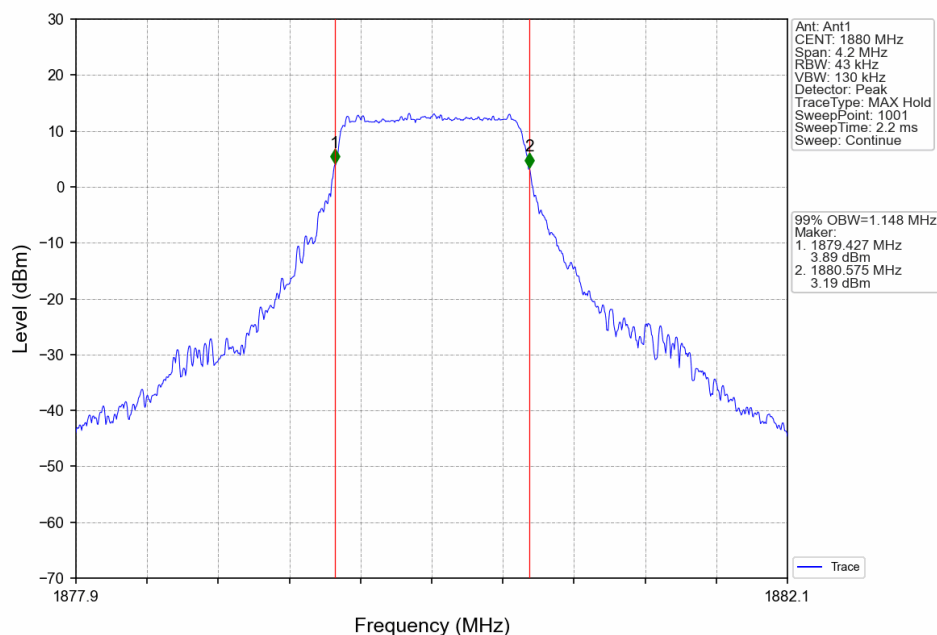
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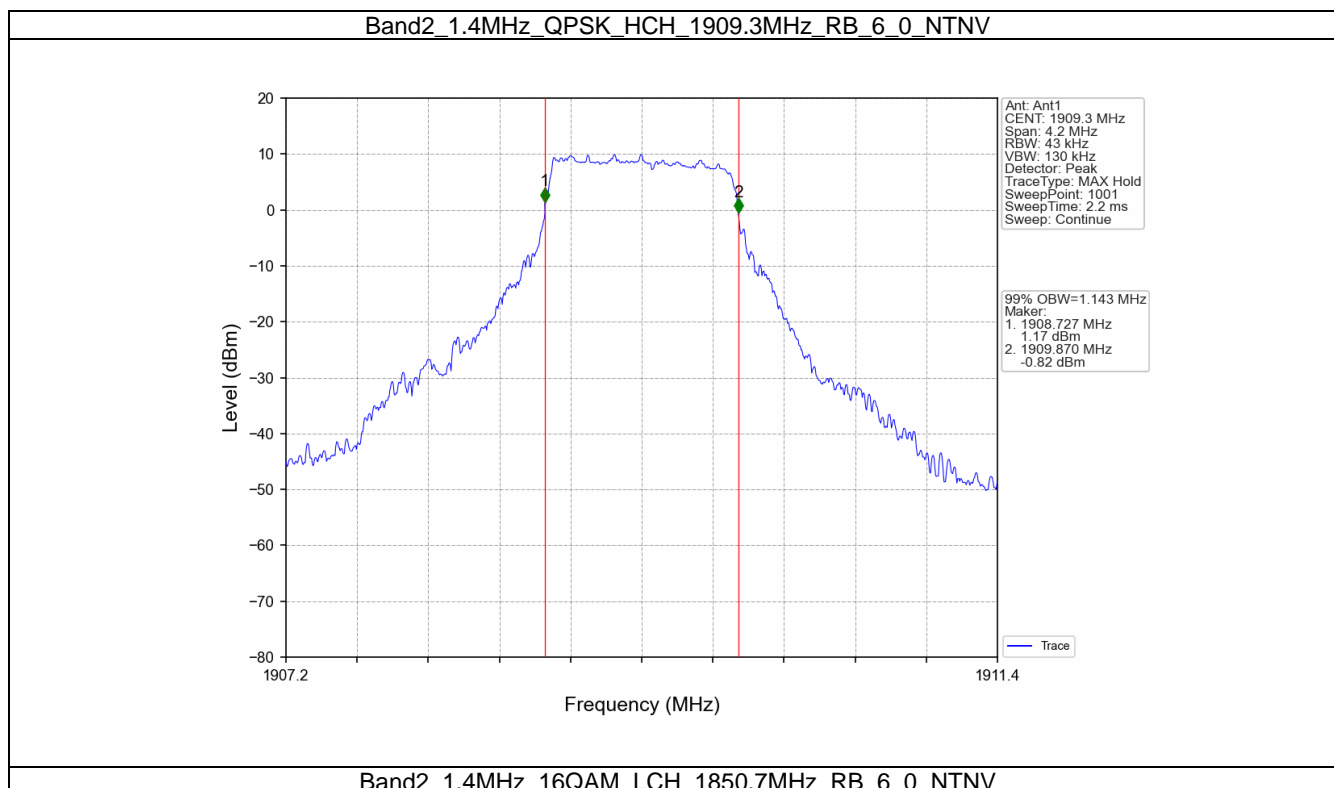
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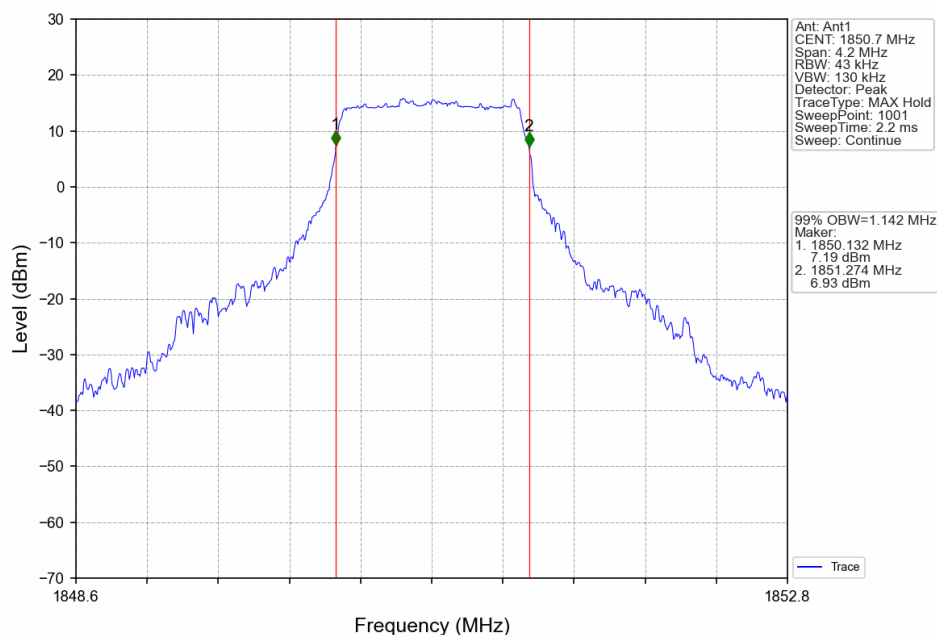
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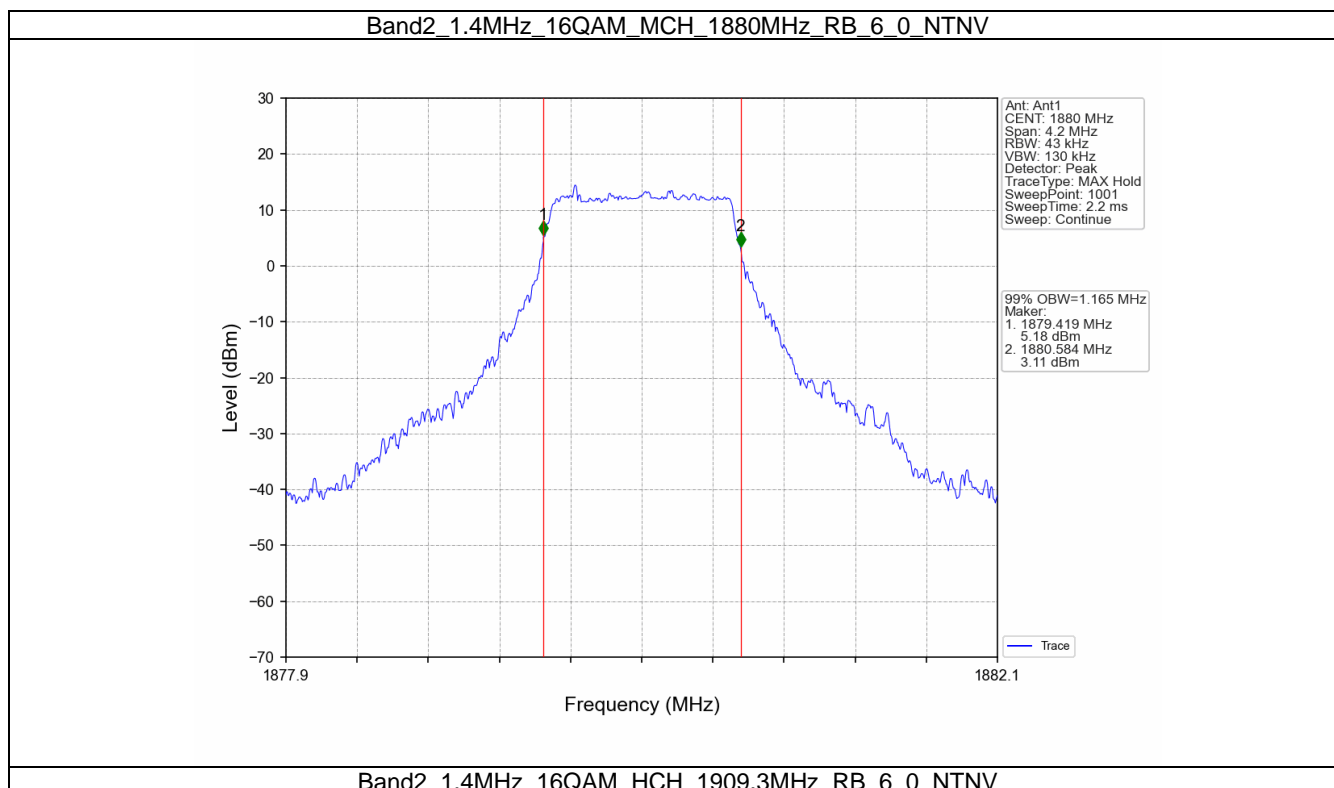
1.1.2 Test Graph

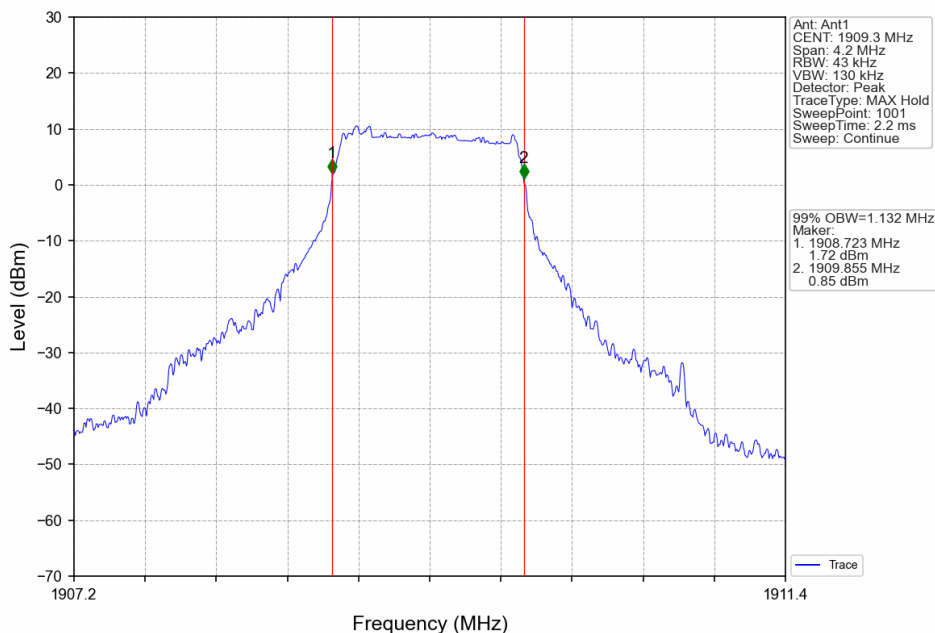


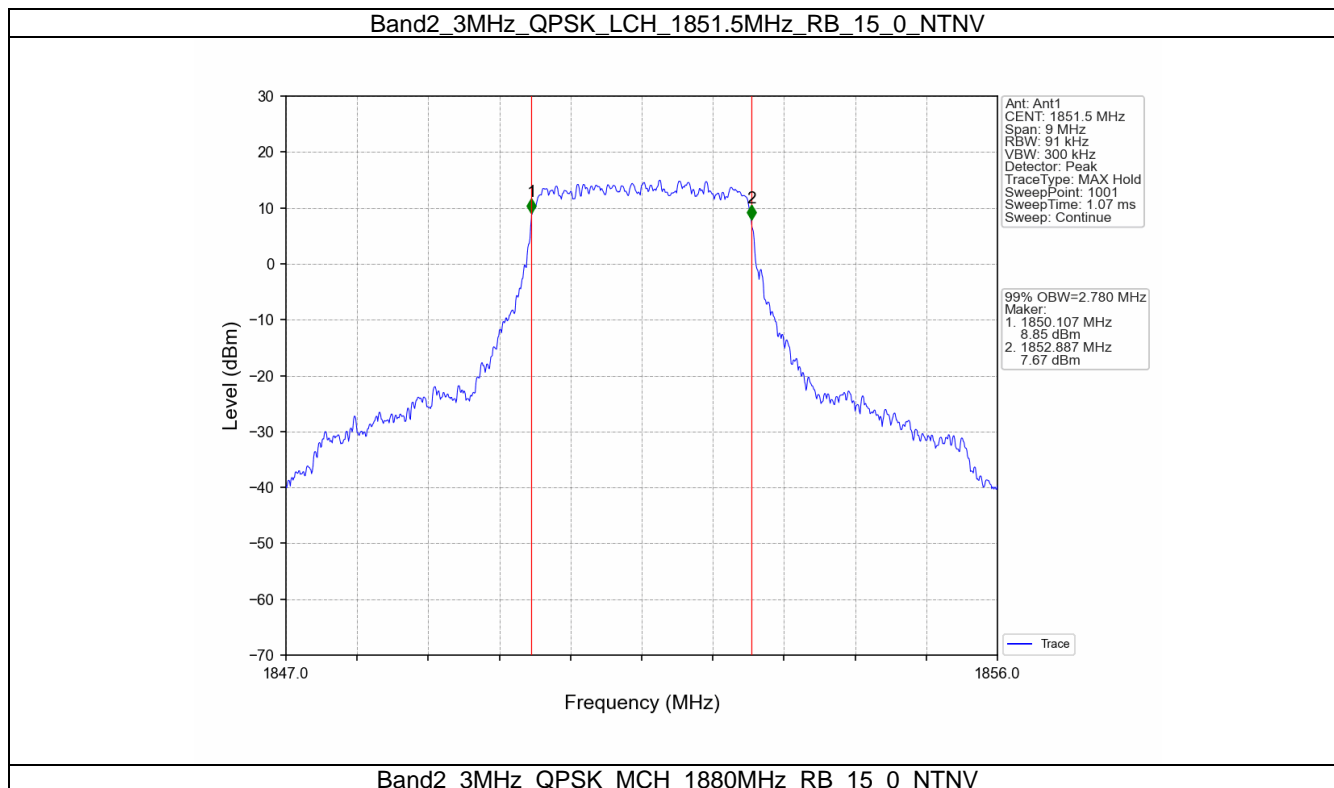


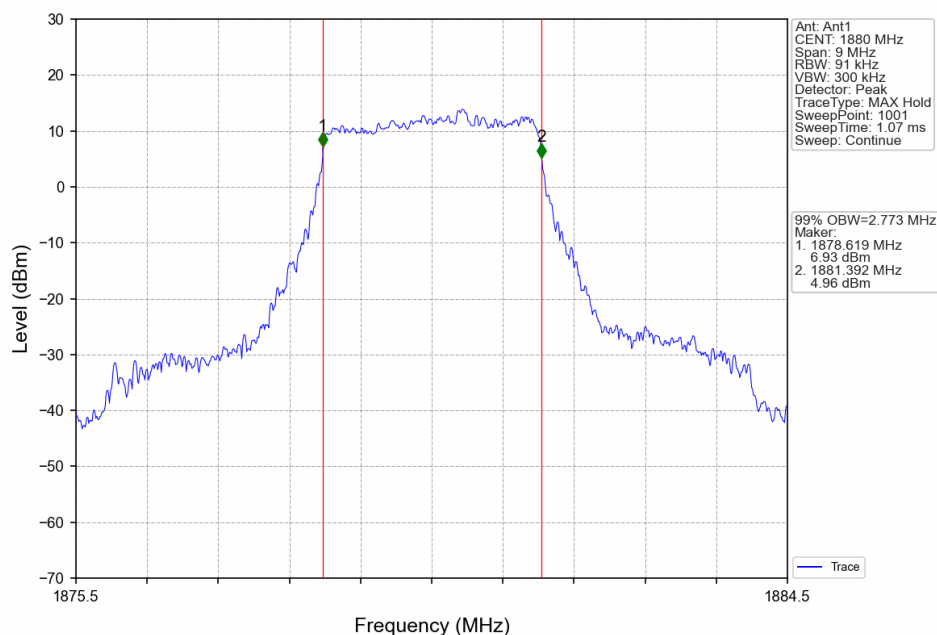


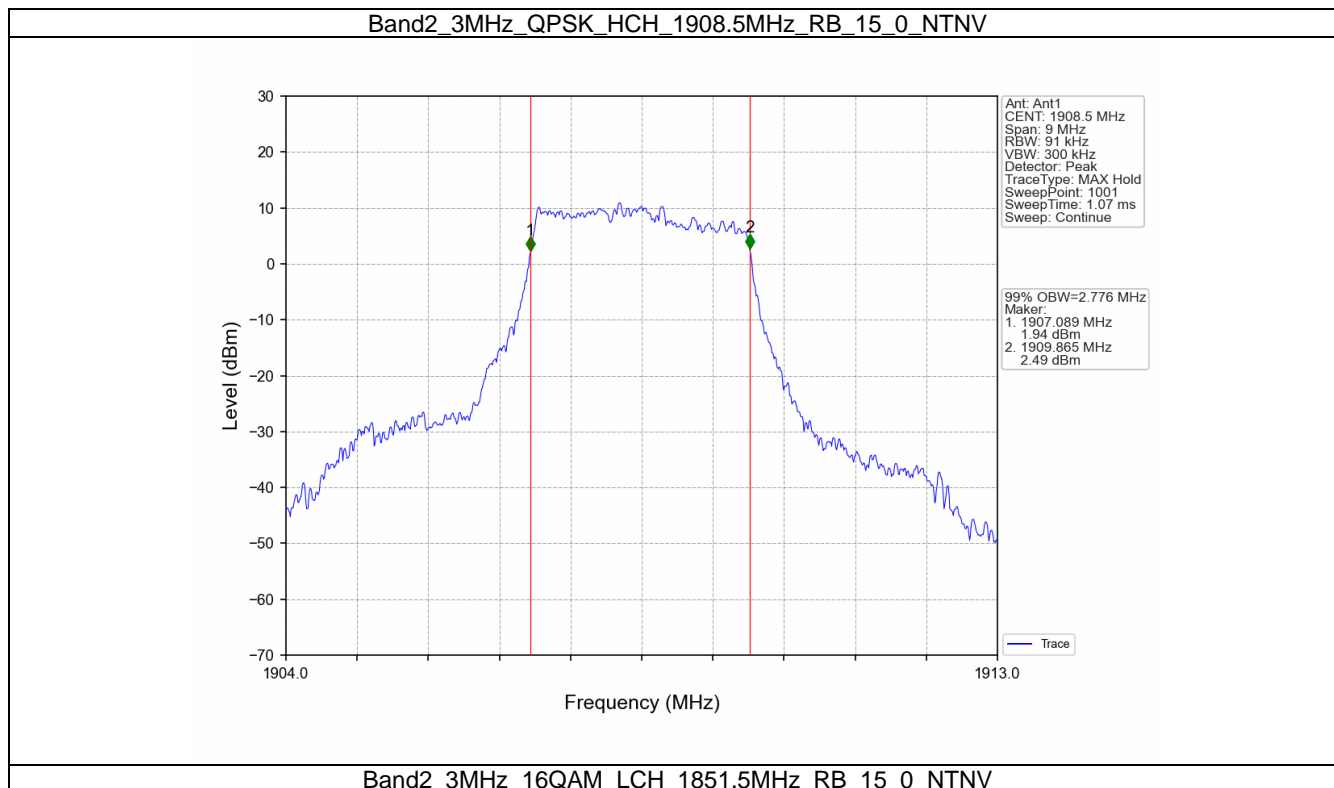


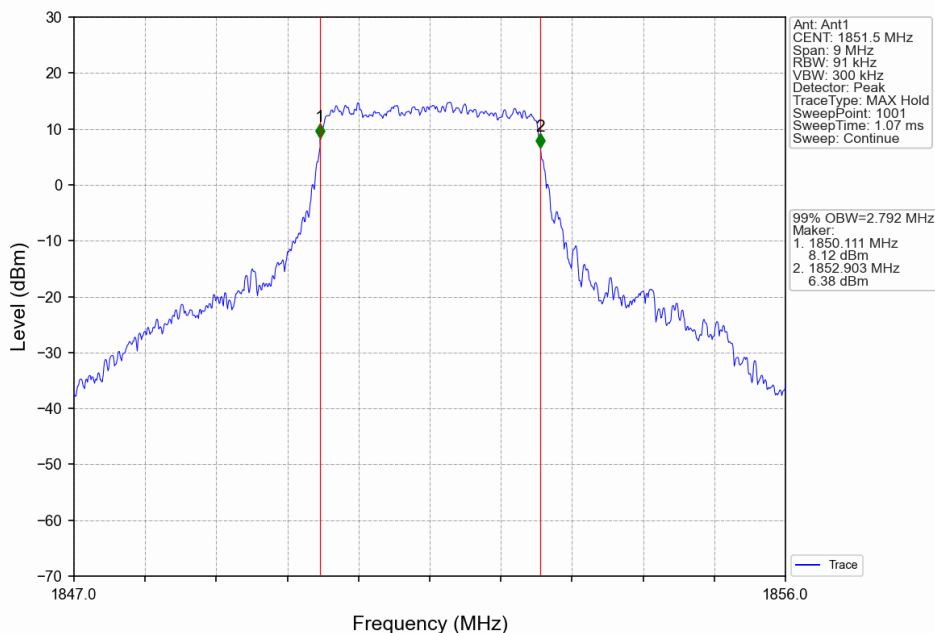


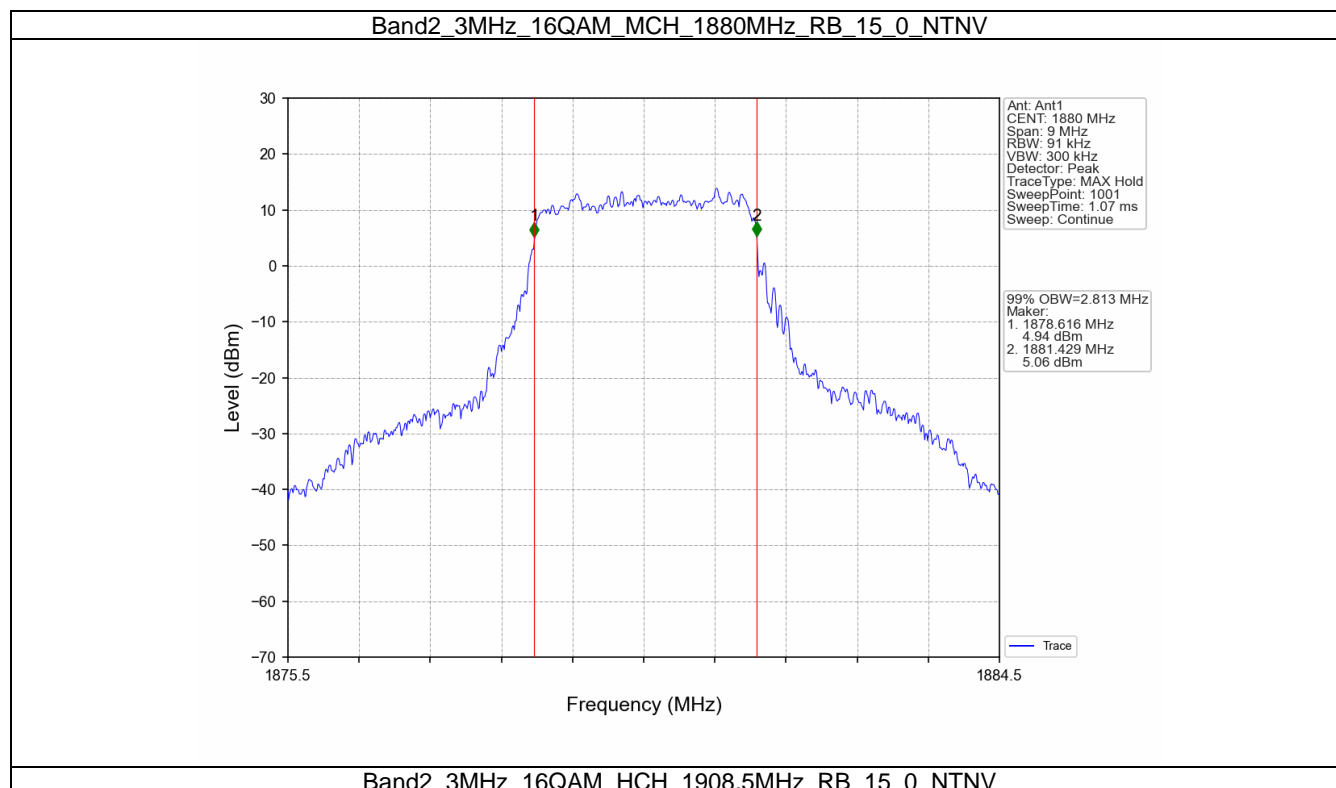


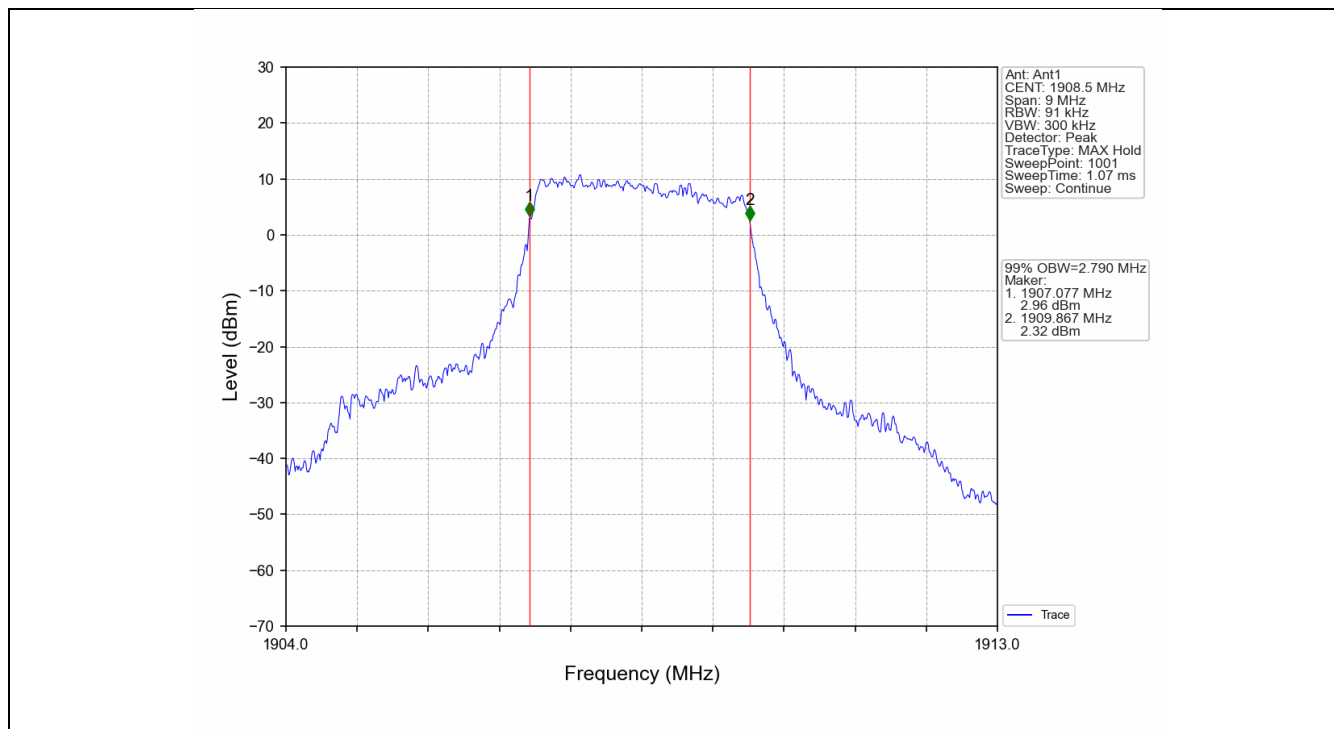


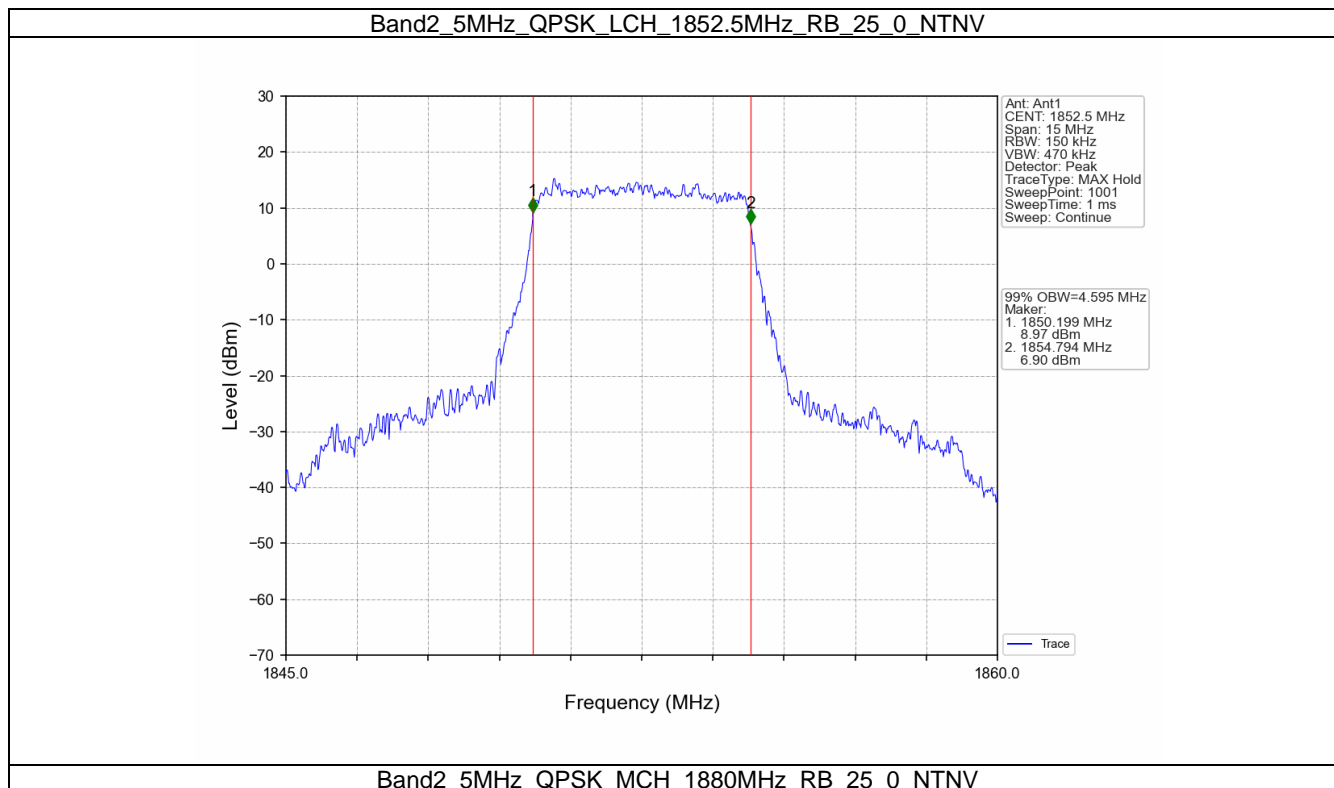


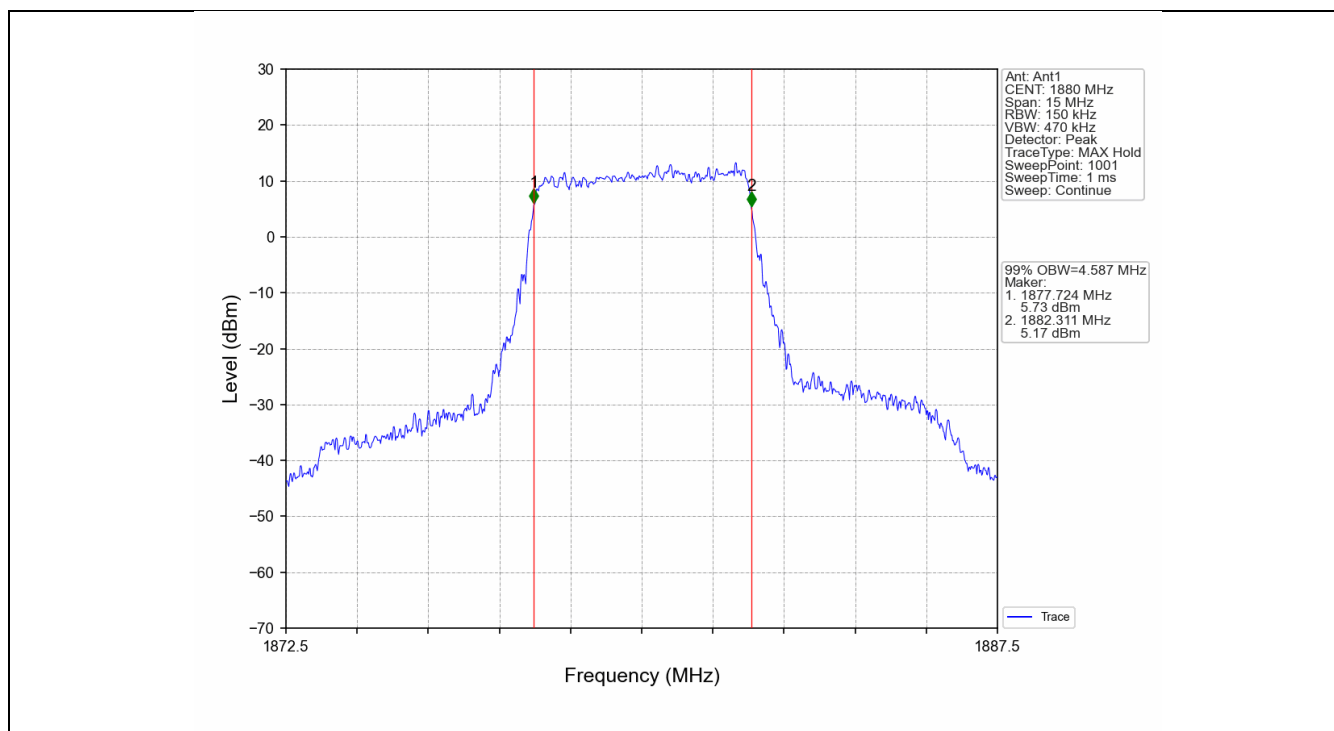


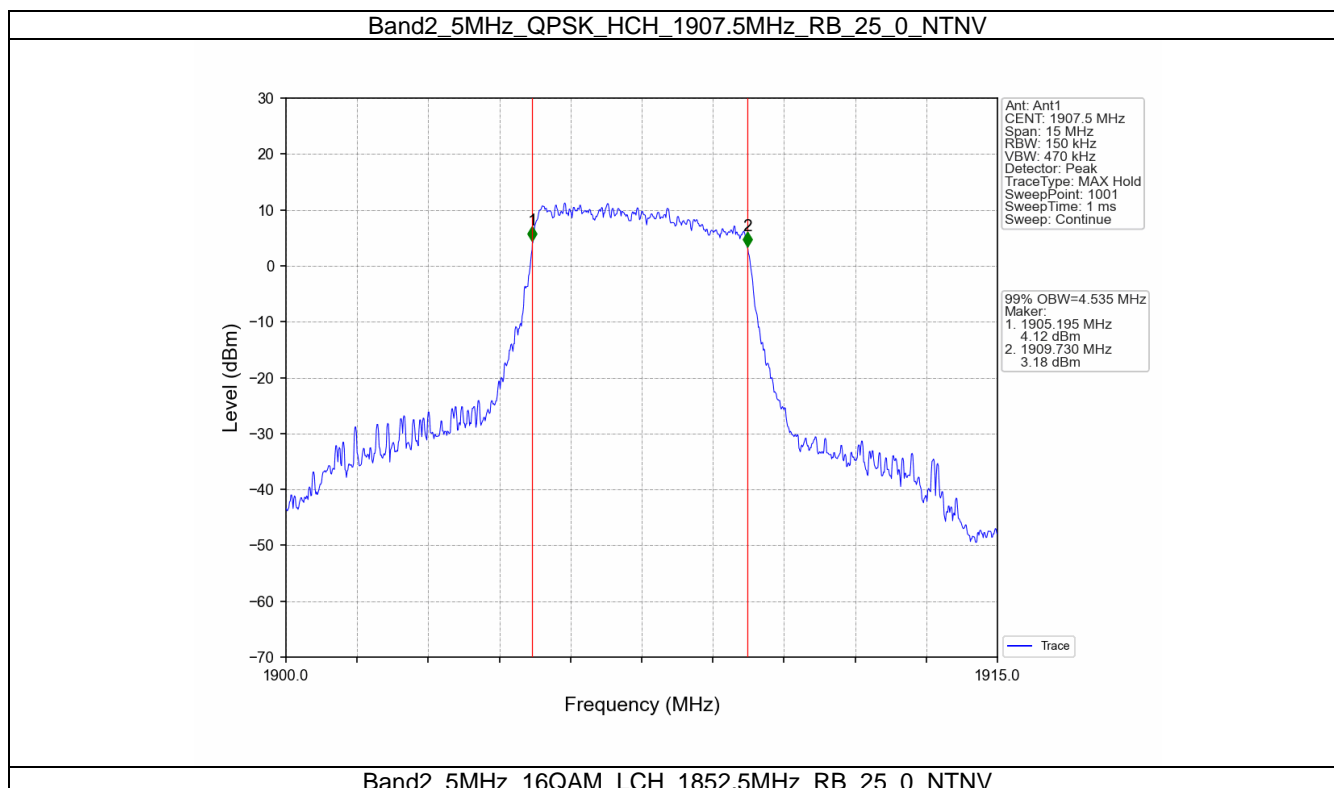


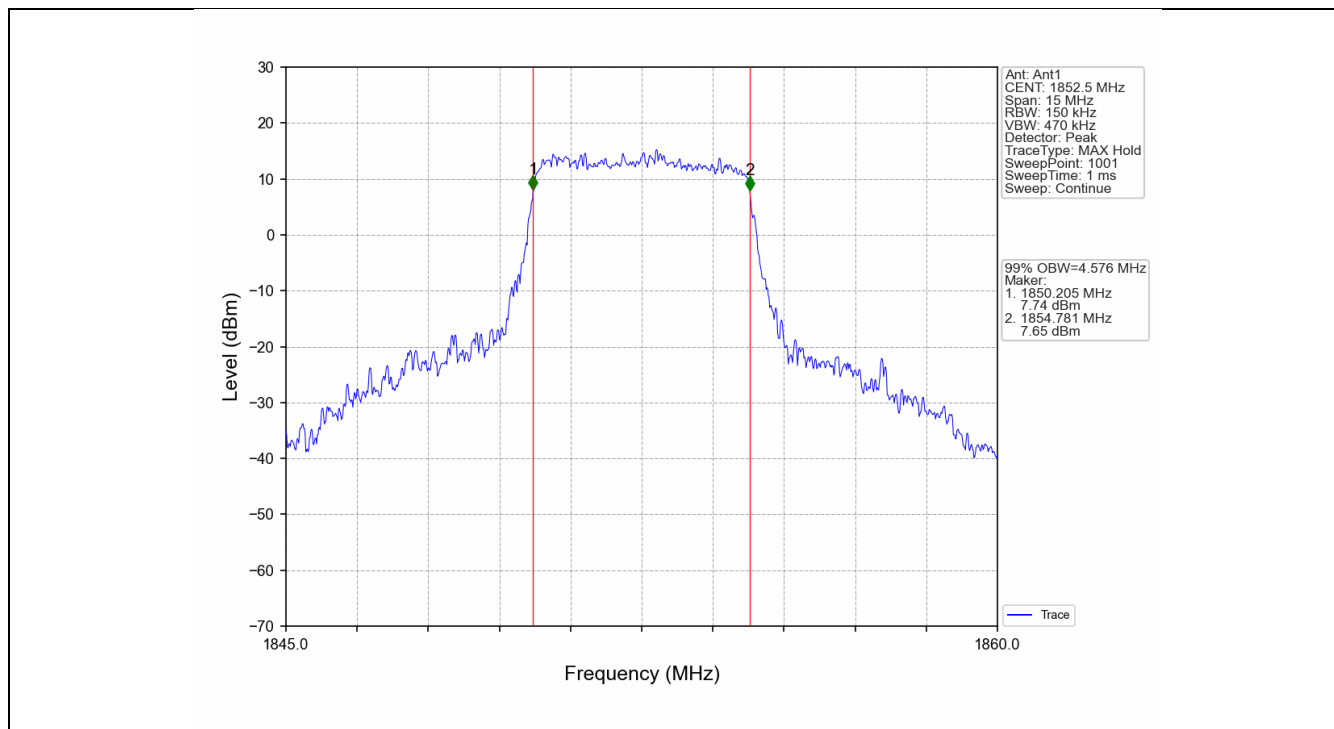


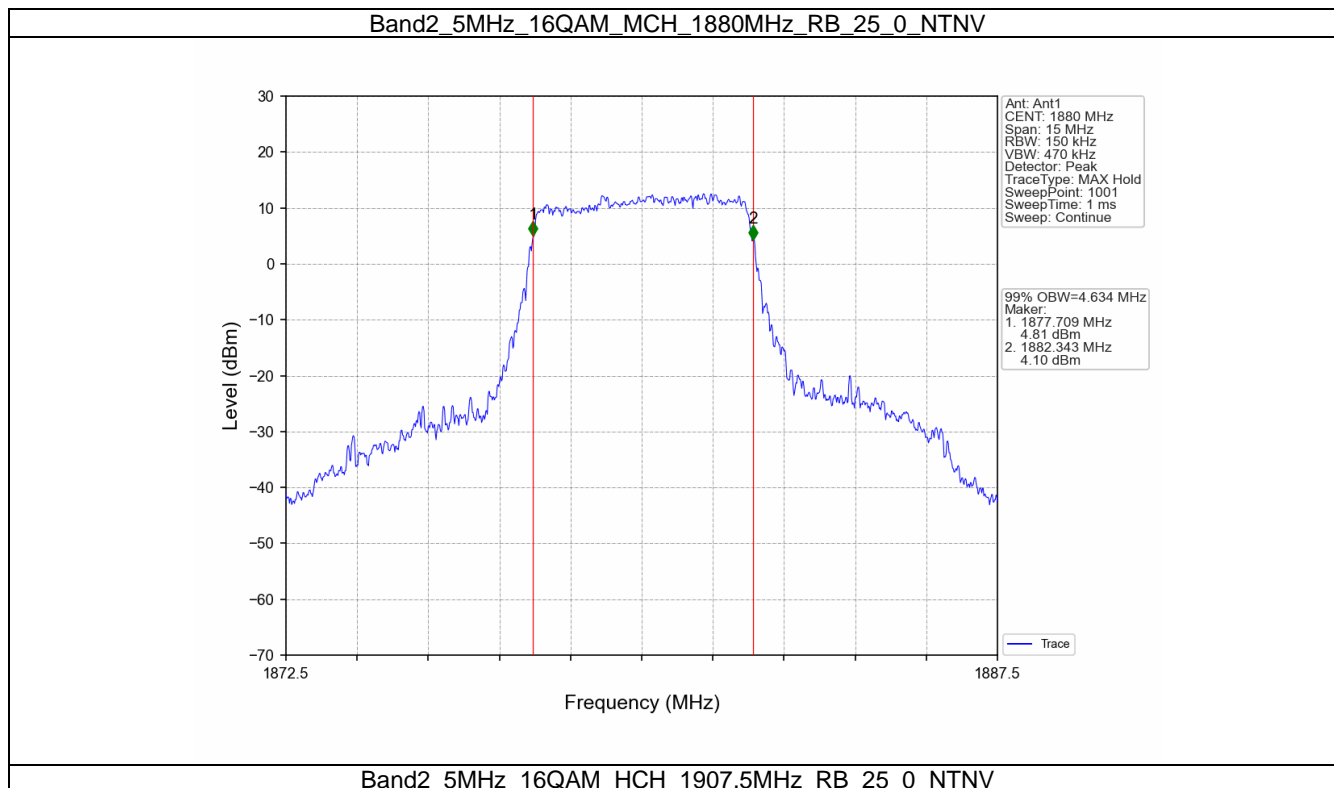






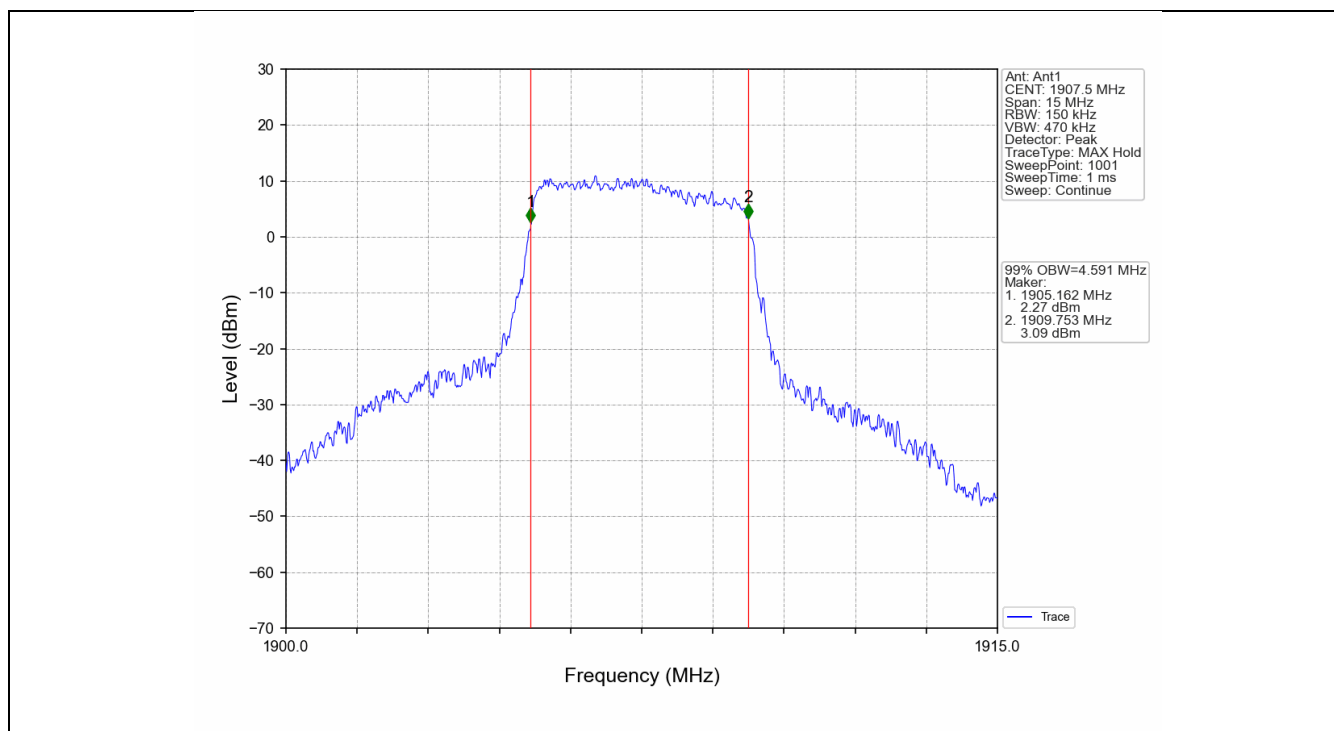


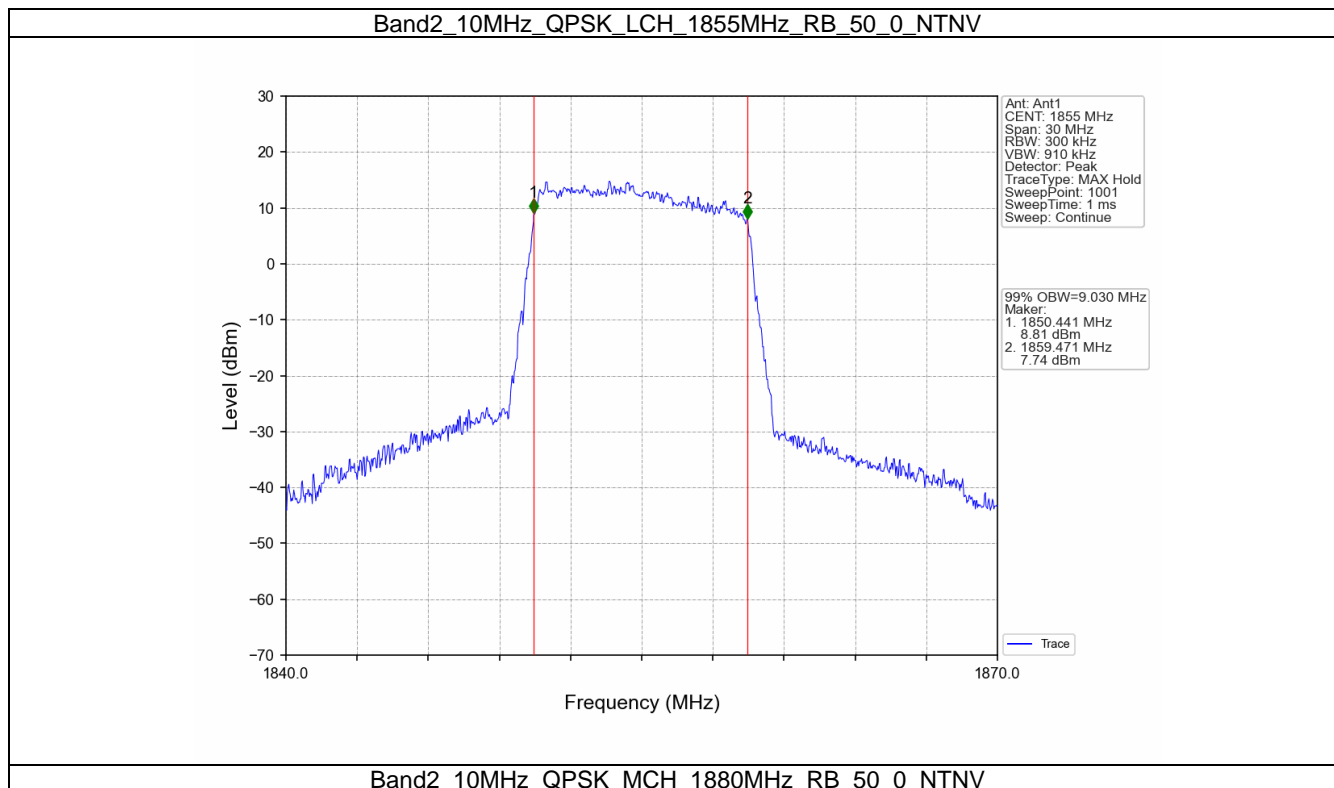


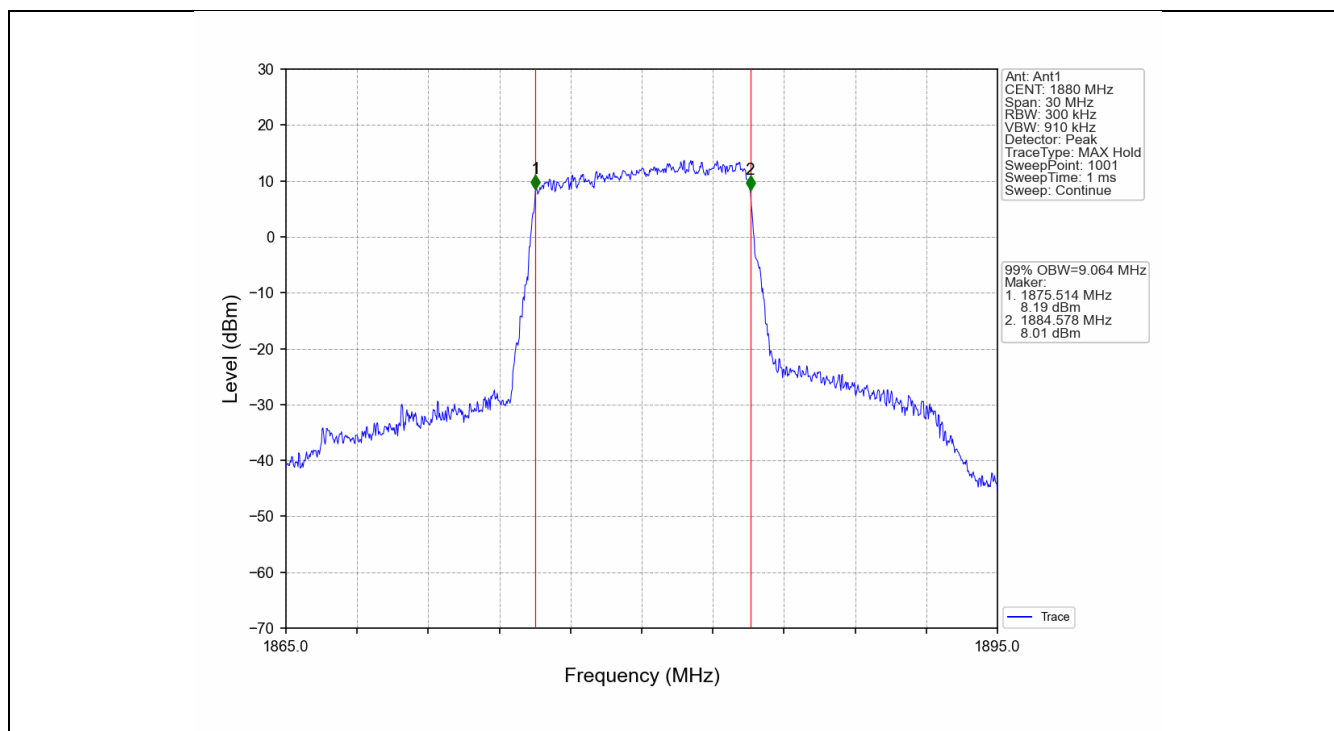


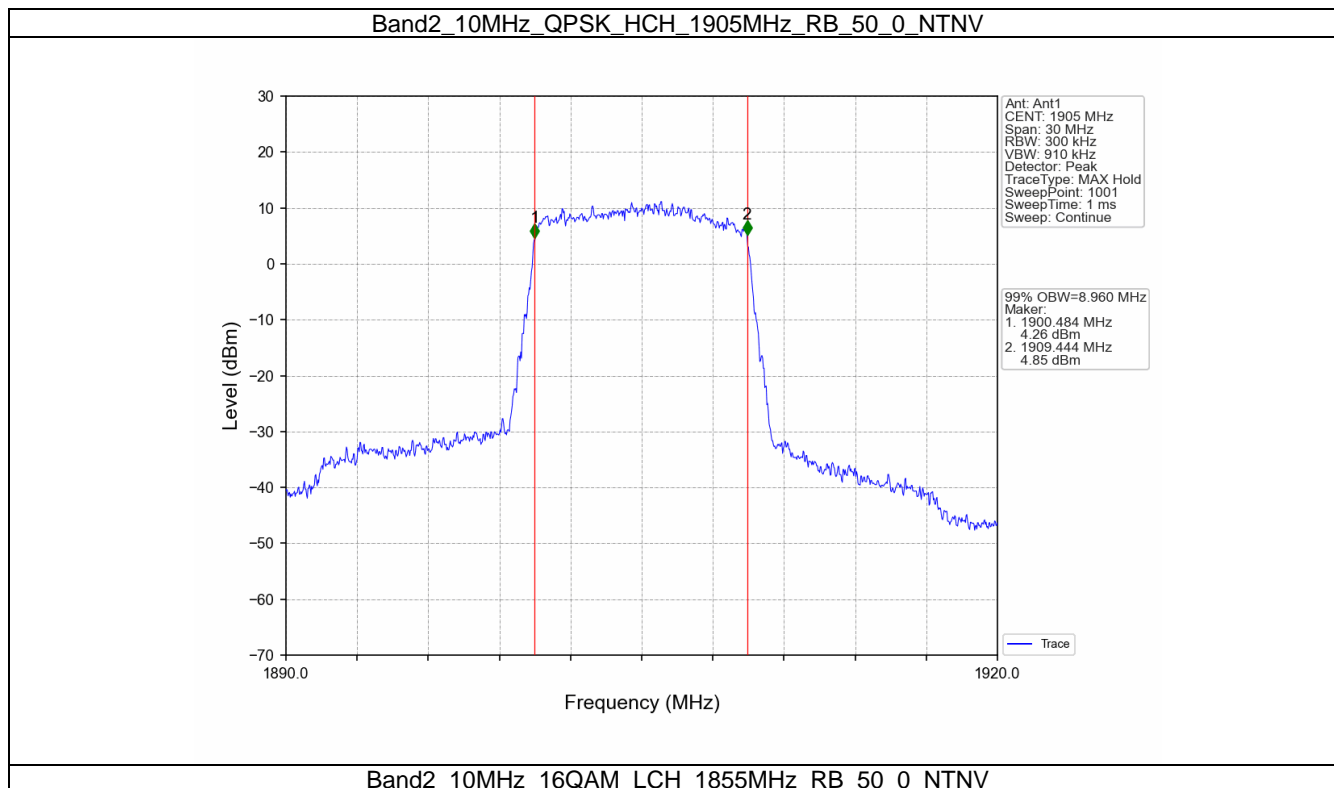
Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV

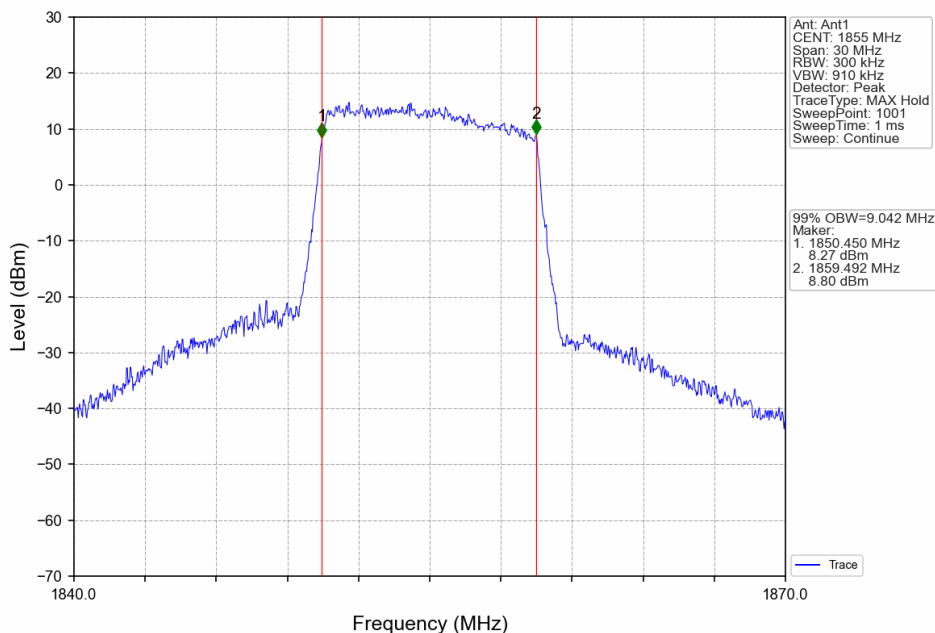


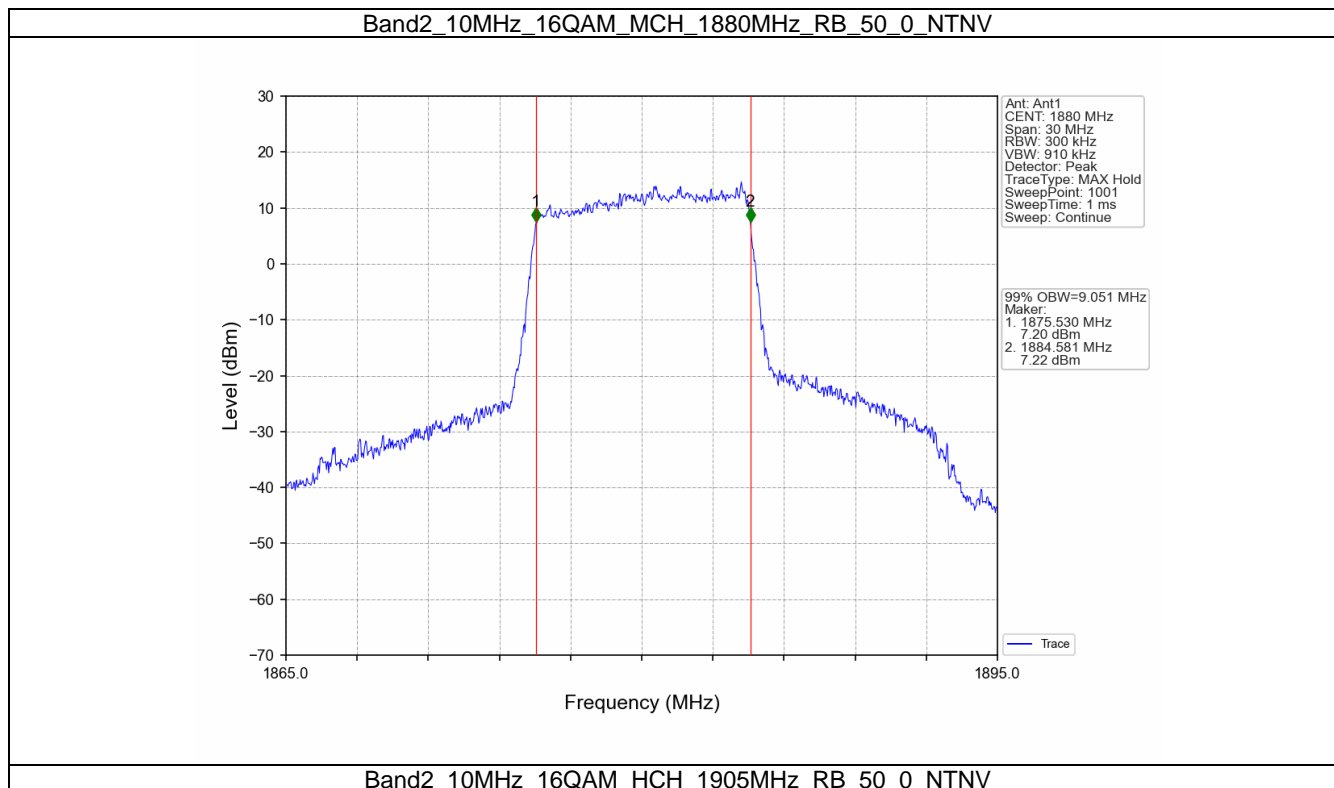












Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV

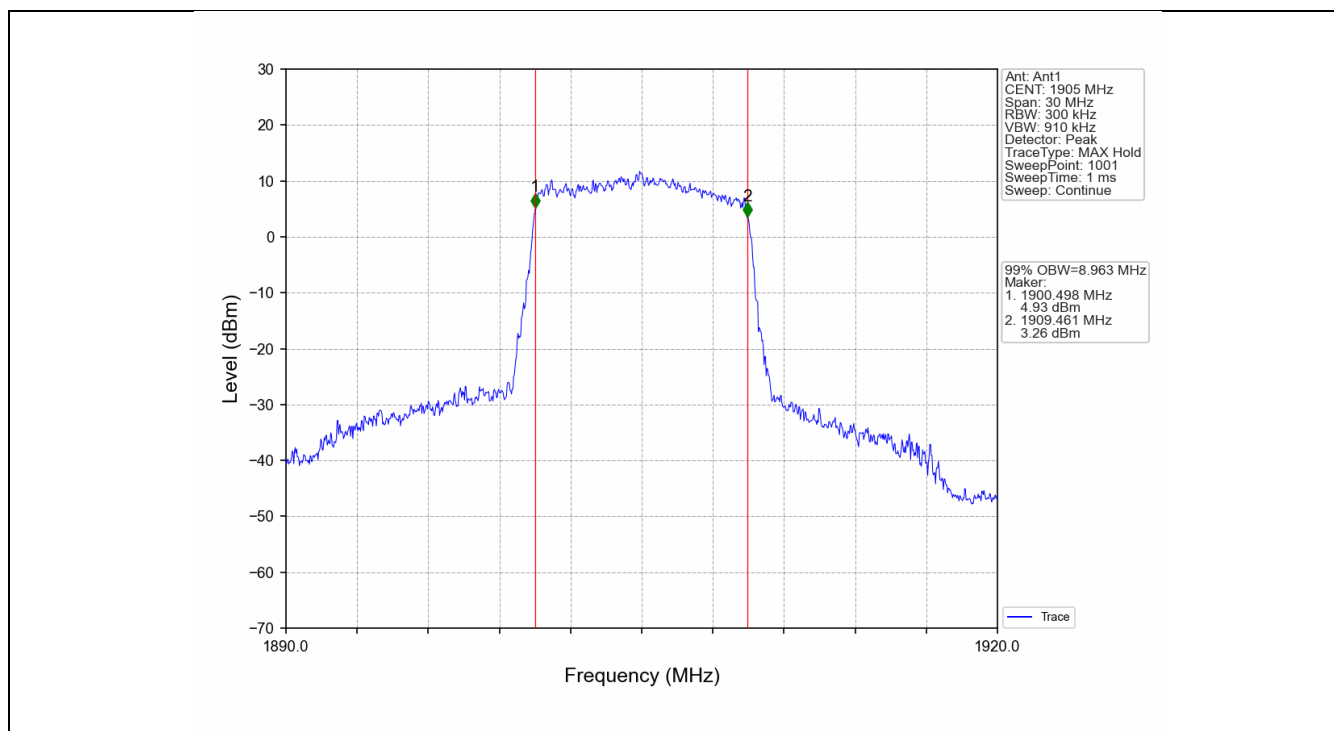


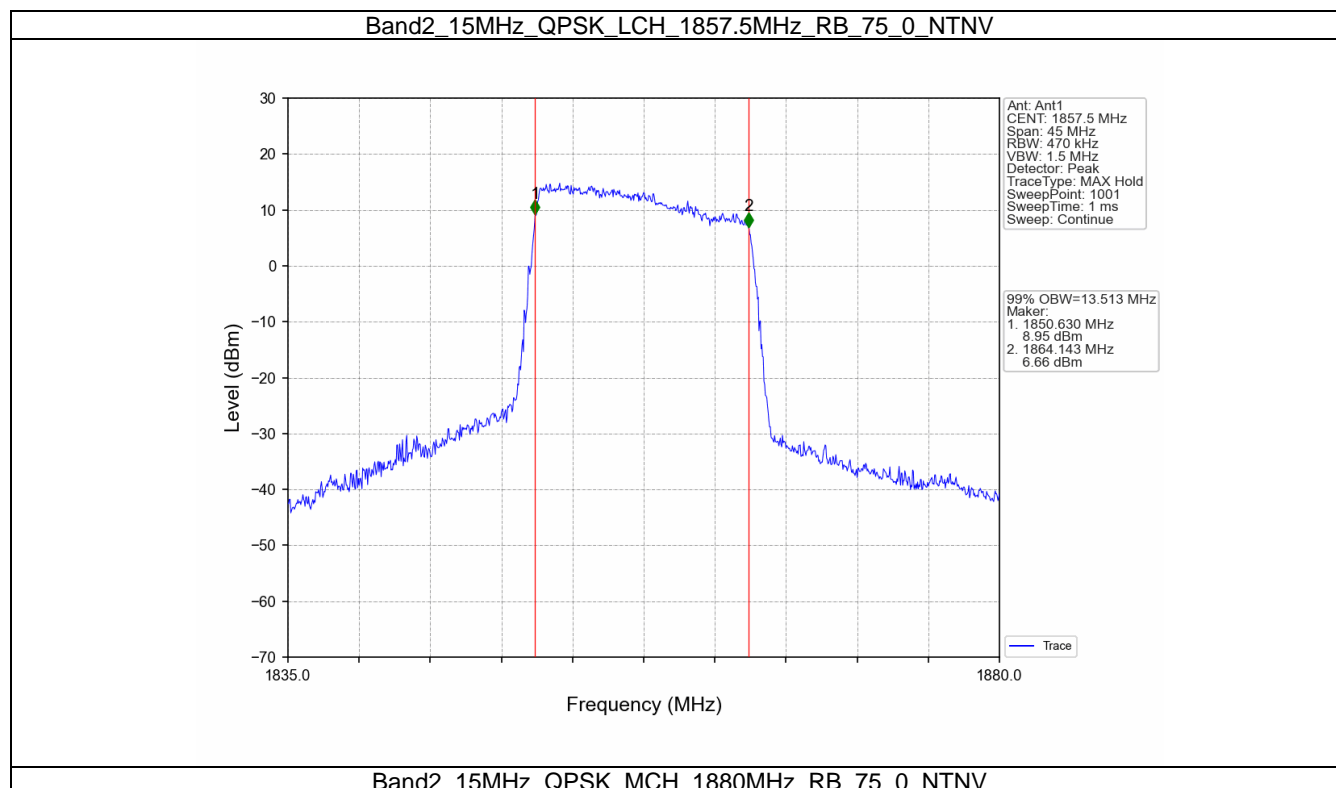
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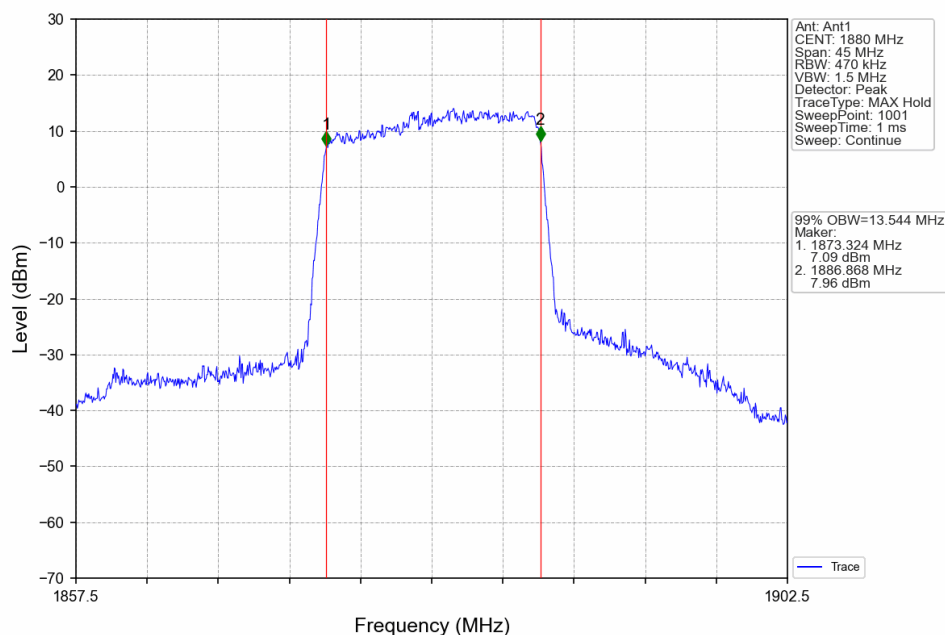
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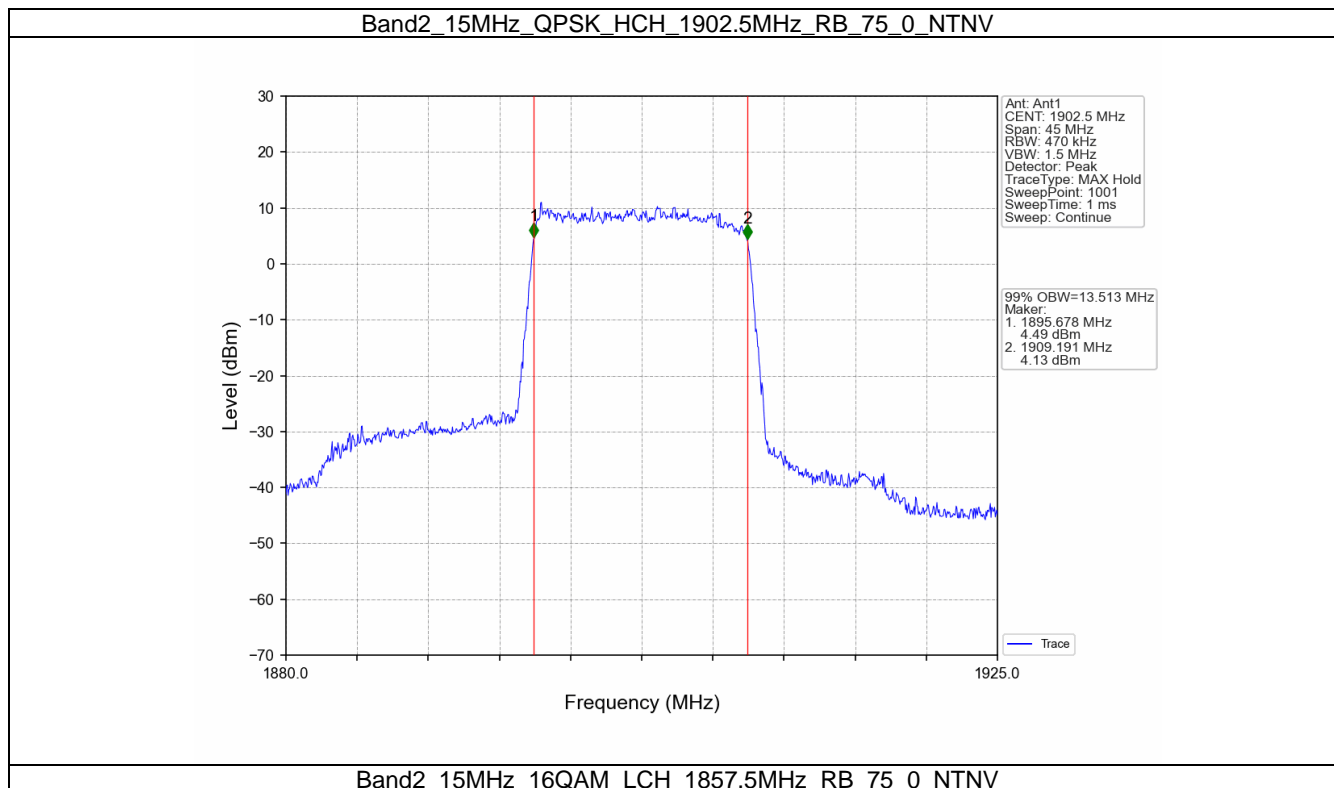


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Band2_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV

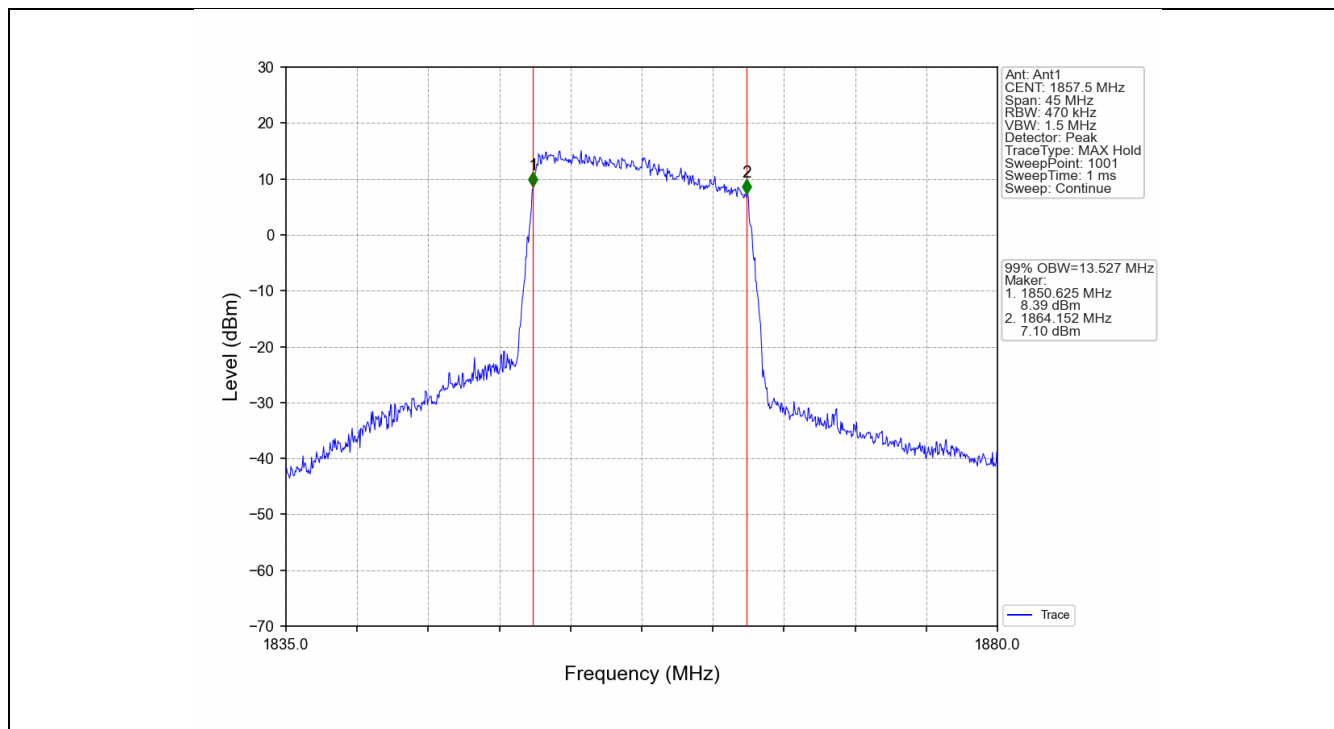


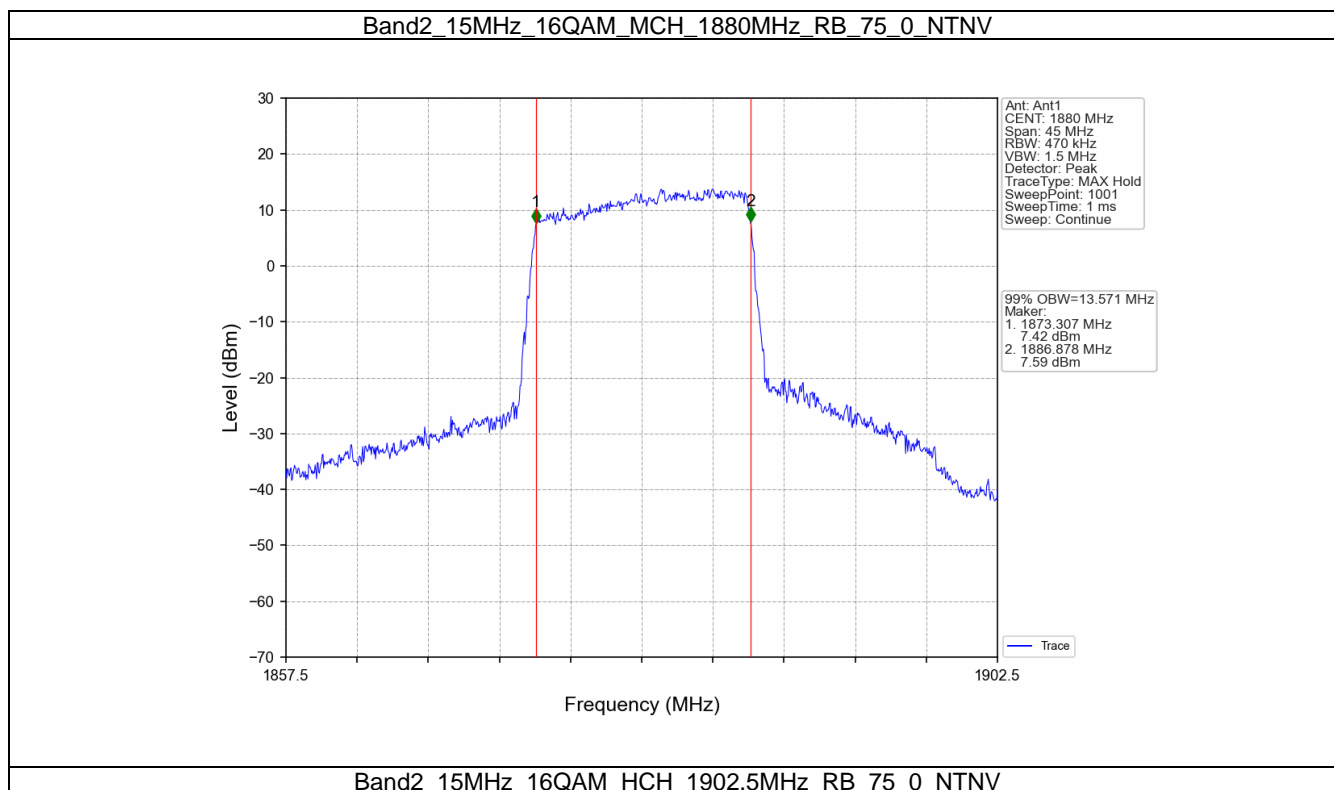
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Band2_15MHz_16QAM_HCH_1902.5MHz_RB_75_0_NTNV

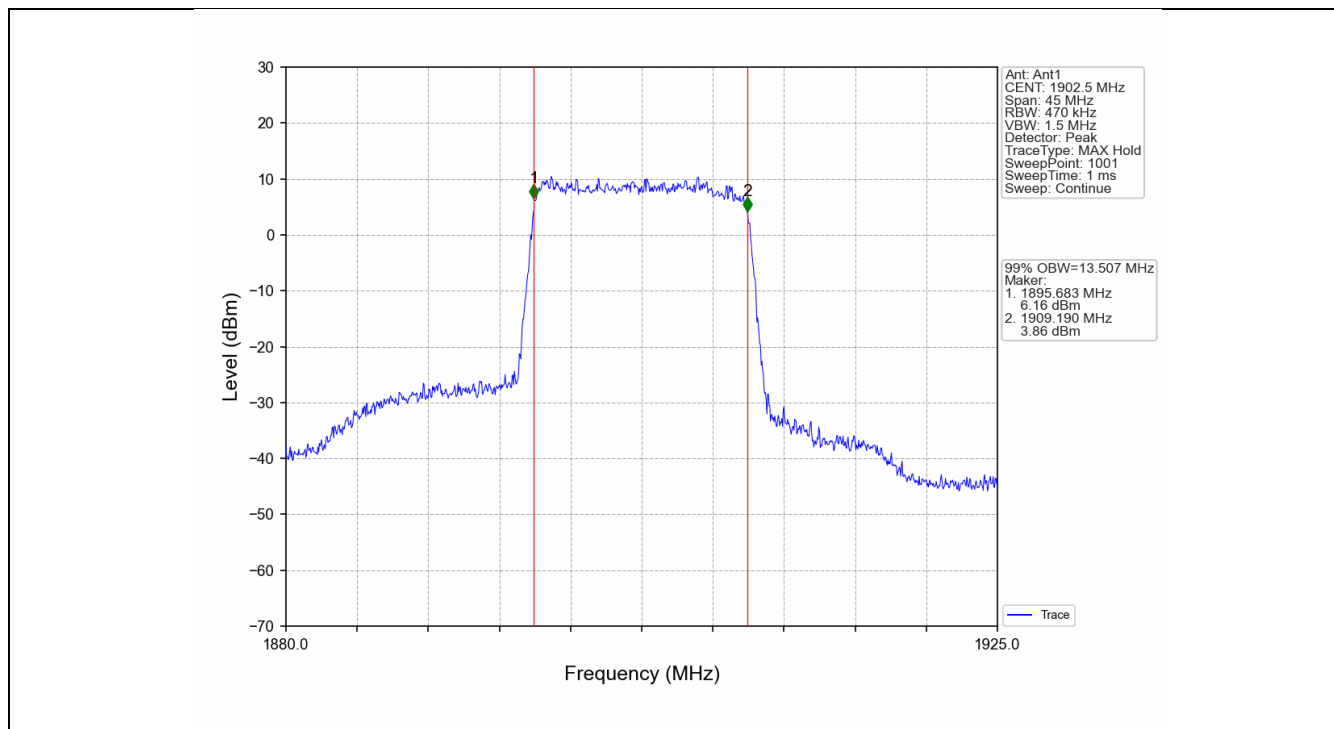


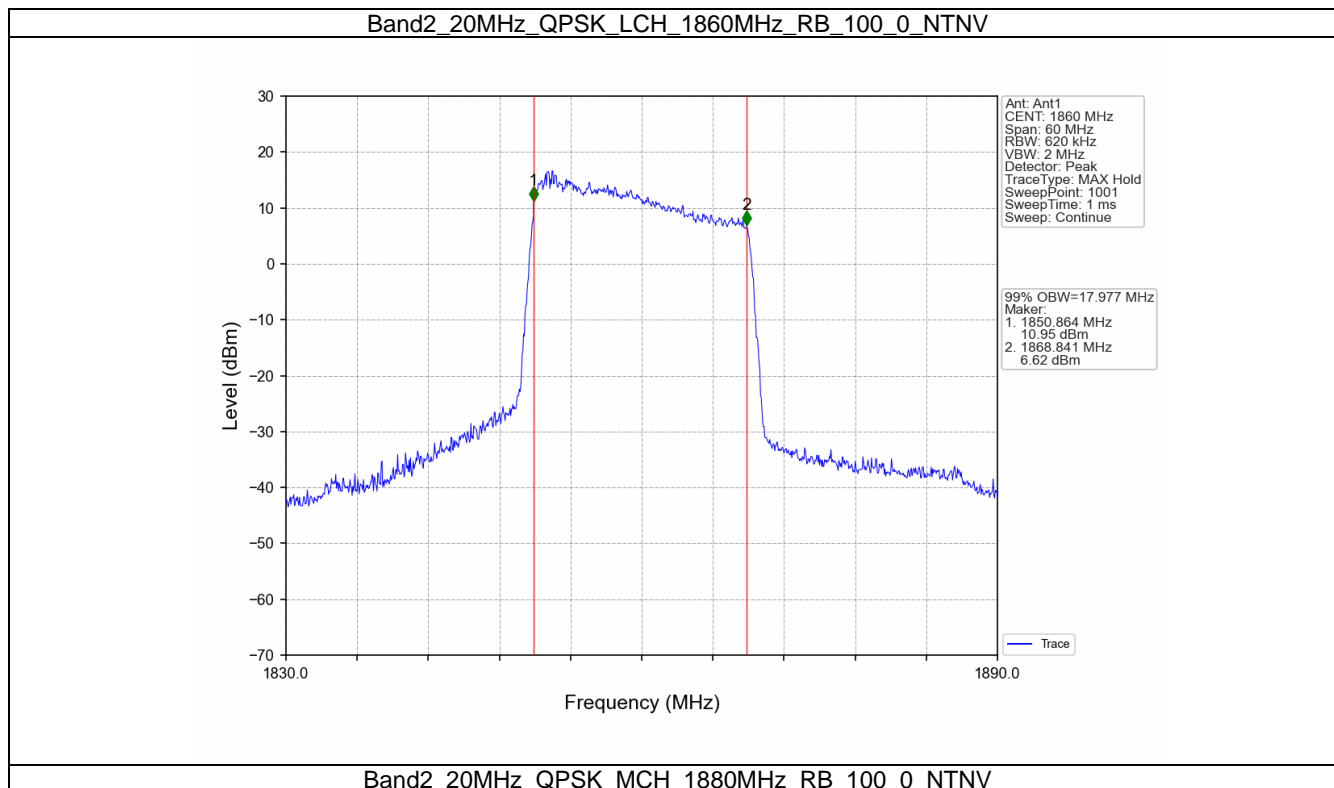
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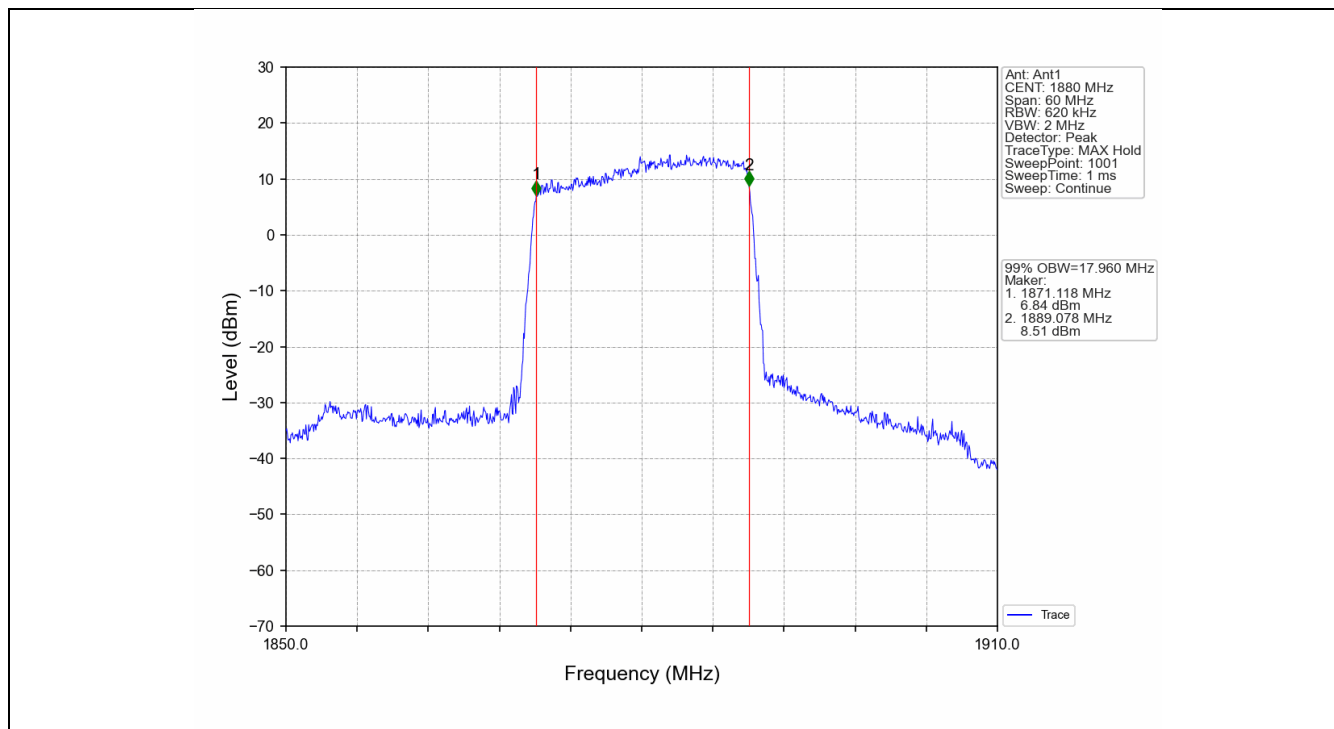
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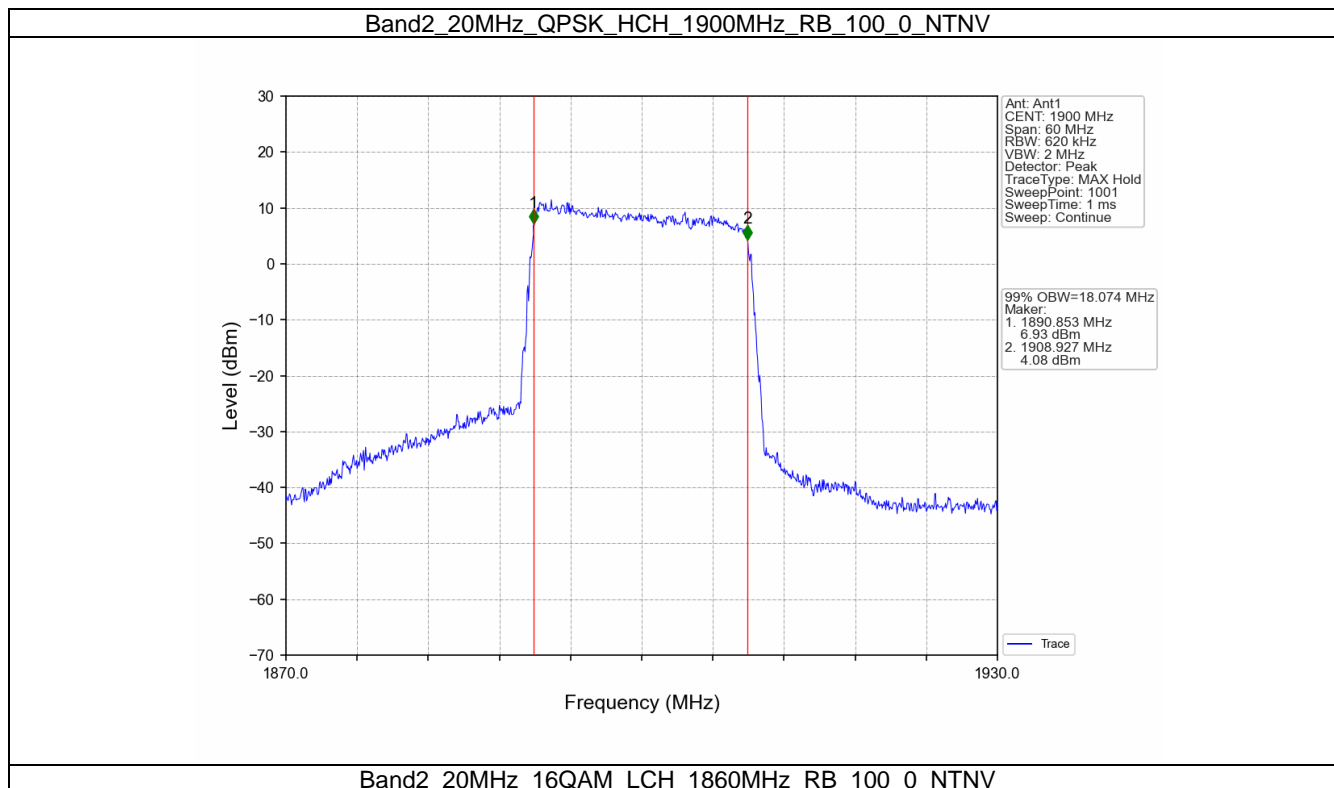
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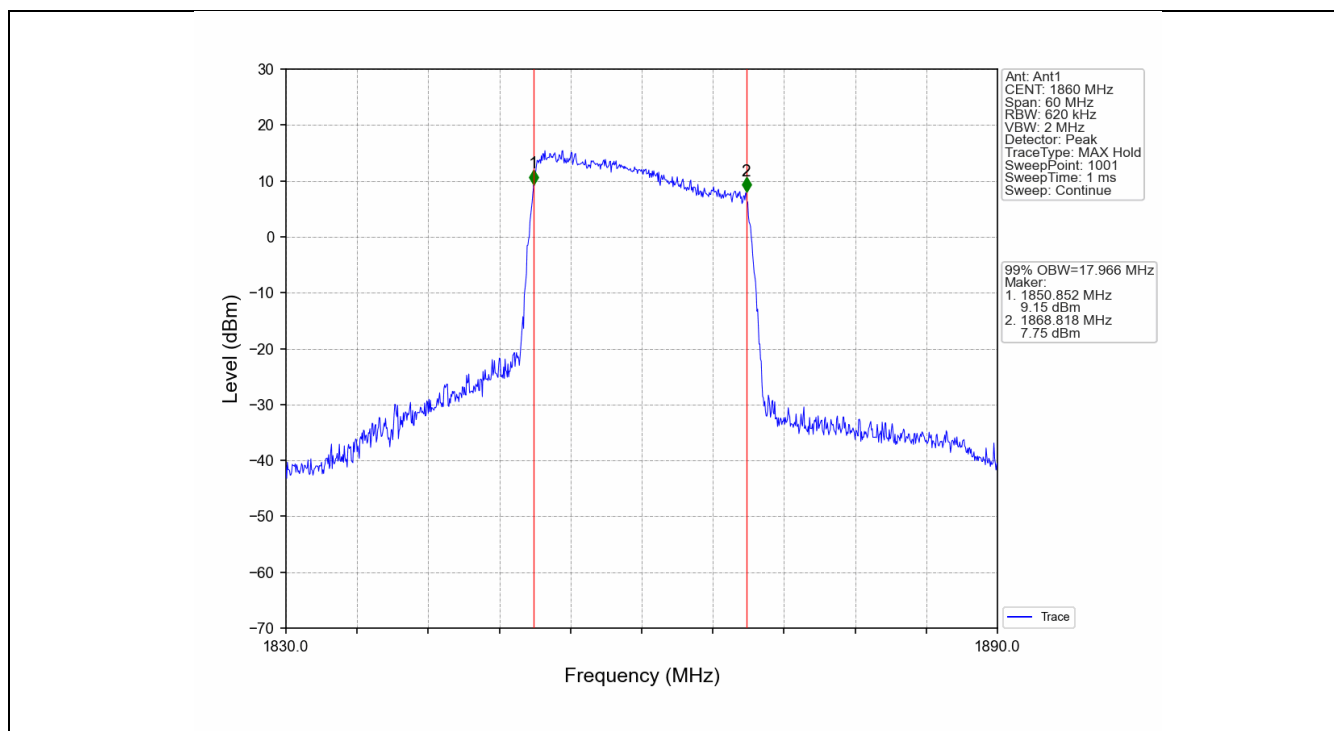


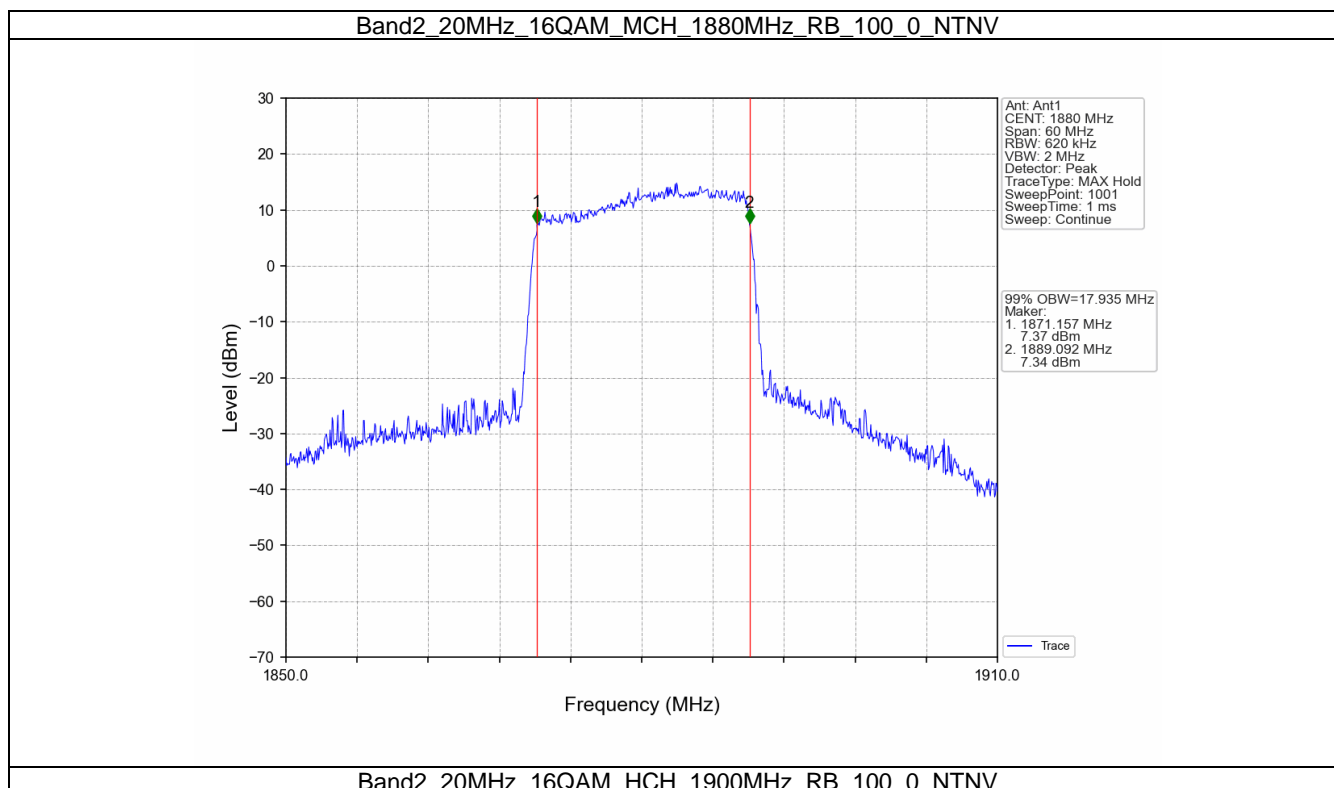


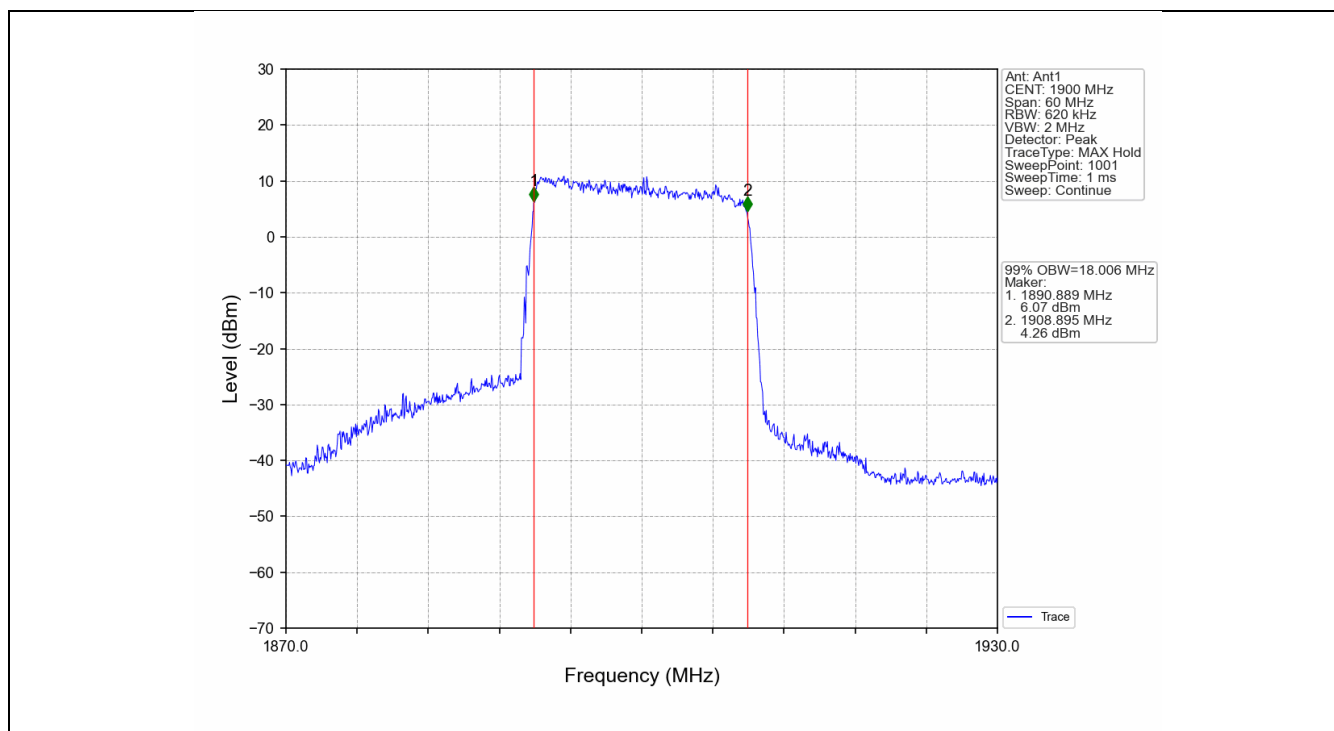


Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV









1.2 Band2_XDB

1.2.1 Test Result

Band: 2 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1850.7	6	0	1.626	Pass
		1880	6	0	1.578	Pass
		1909.3	6	0	1.639	Pass
	16QAM	1850.7	6	0	1.596	Pass
		1880	6	0	1.566	Pass
		1909.3	6	0	1.573	Pass
3	QPSK	1851.5	15	0	3.471	Pass
		1880	15	0	3.476	Pass
		1908.5	15	0	3.432	Pass
	16QAM	1851.5	15	0	3.602	Pass
		1880	15	0	3.525	Pass
		1908.5	15	0	3.481	Pass
5	QPSK	1852.5	25	0	5.453	Pass
		1880	25	0	5.372	Pass
		1907.5	25	0	5.331	Pass
	16QAM	1852.5	25	0	5.440	Pass
		1880	25	0	5.621	Pass
		1907.5	25	0	5.364	Pass
10	QPSK	1855	50	0	10.166	Pass
		1880	50	0	10.209	Pass
		1905	50	0	10.011	Pass
	16QAM	1855	50	0	10.053	Pass
		1880	50	0	10.102	Pass
		1905	50	0	9.959	Pass
15	QPSK	1857.5	75	0	14.987	Pass
		1880	75	0	14.887	Pass
		1902.5	75	0	14.870	Pass
	16QAM	1857.5	75	0	14.862	Pass
		1880	75	0	14.997	Pass
		1902.5	75	0	14.889	Pass
20	QPSK	1860	100	0	19.452	Pass
		1880	100	0	19.611	Pass
		1900	100	0	19.510	Pass
	16QAM	1860	100	0	19.574	Pass
		1880	100	0	19.530	Pass
		1900	100	0	19.683	Pass





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Page: 39 of 227



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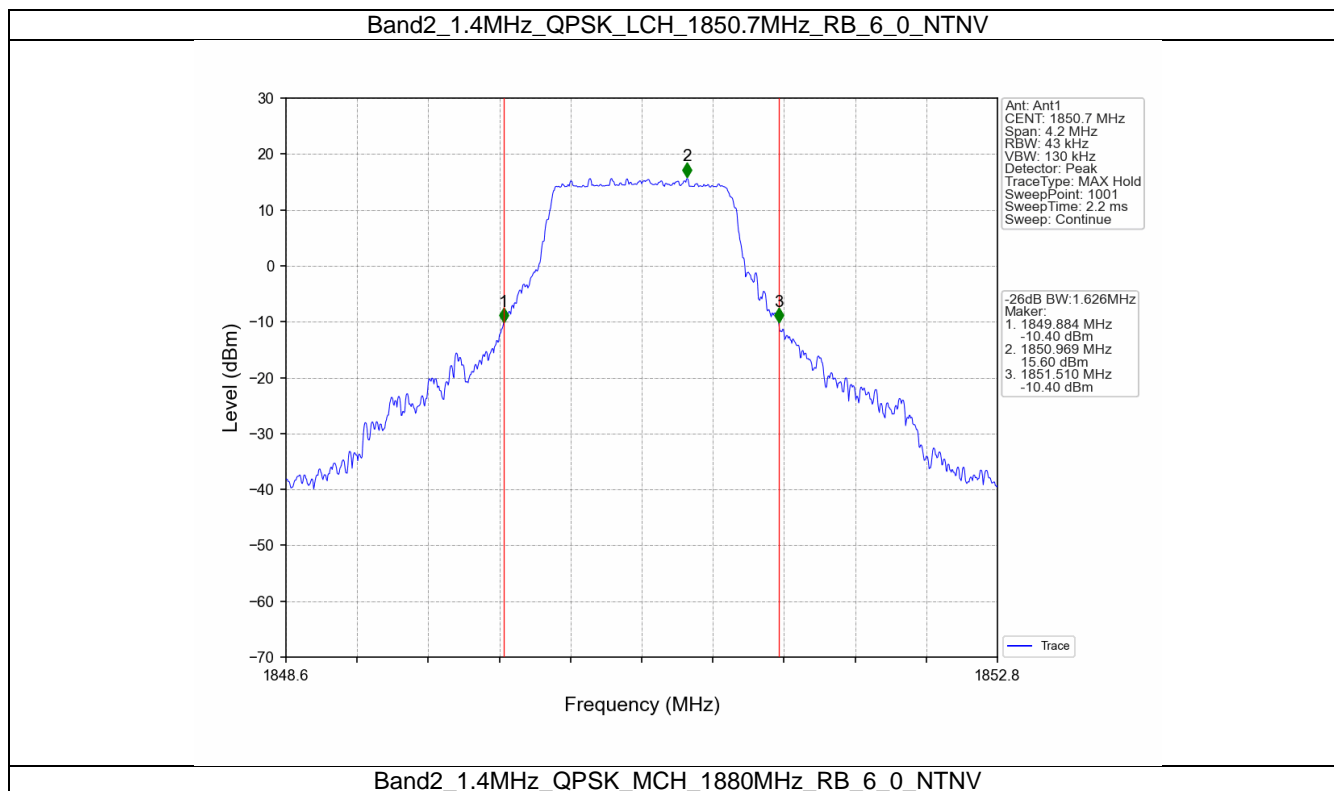
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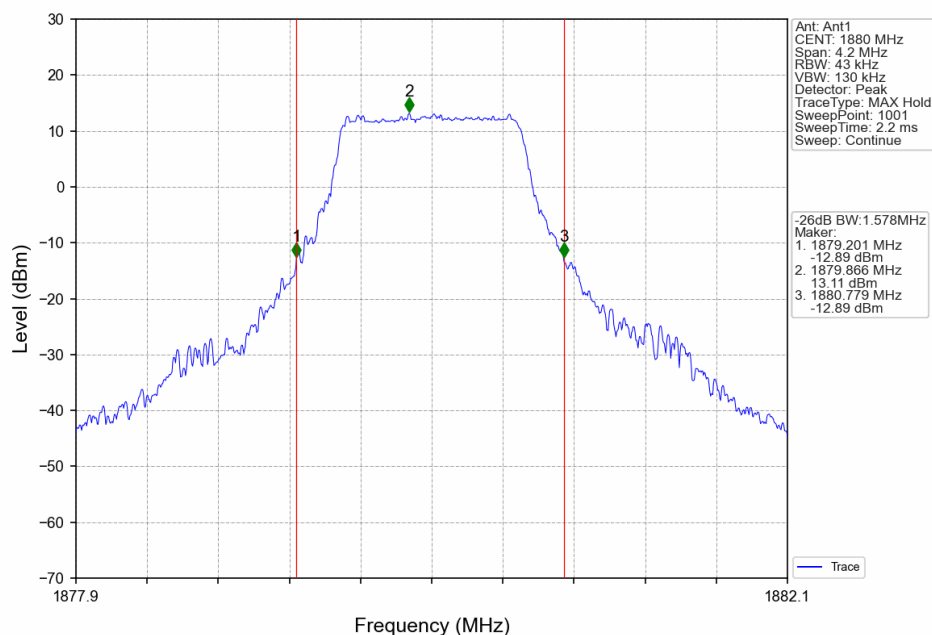
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Shenzhen Branch (CSTC) Laboratory

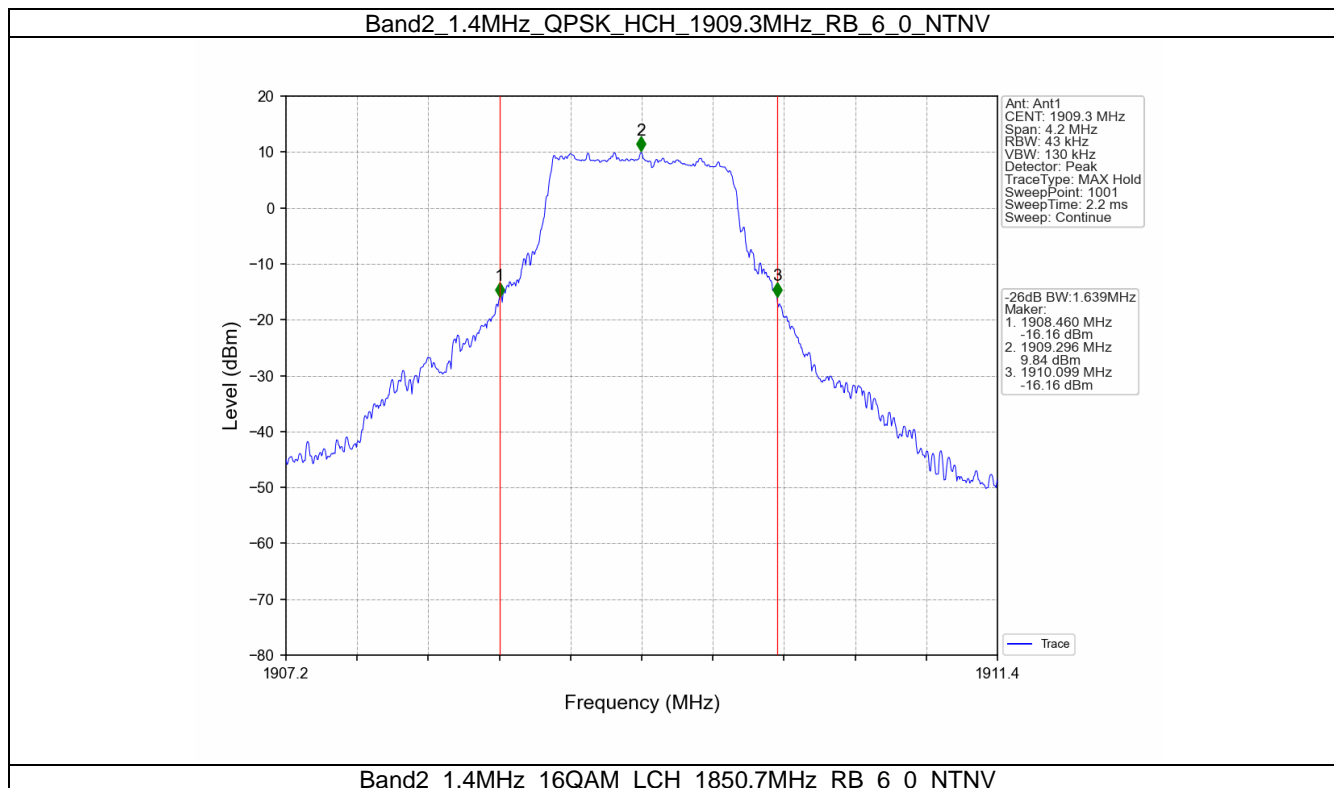
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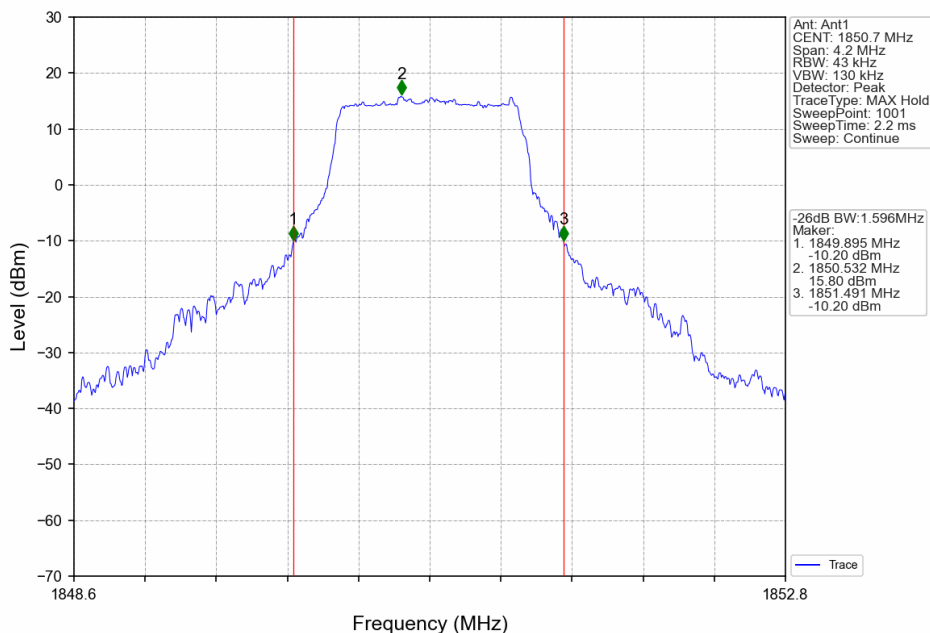
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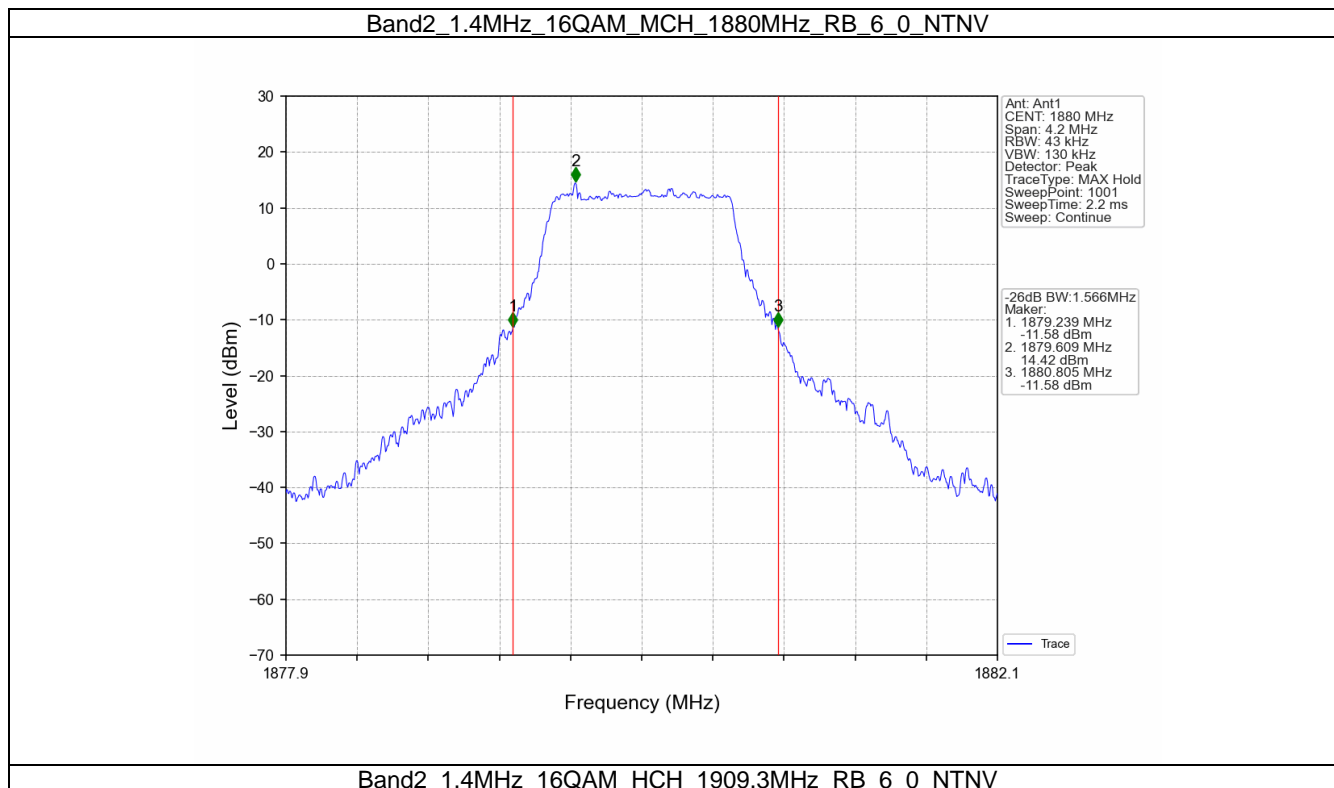
1.2.2 Test Graph

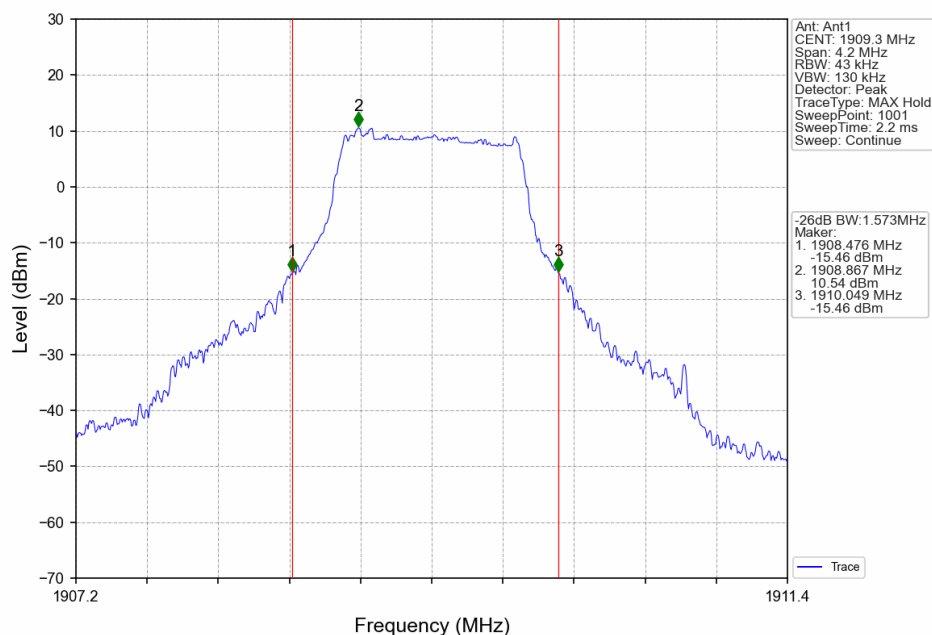


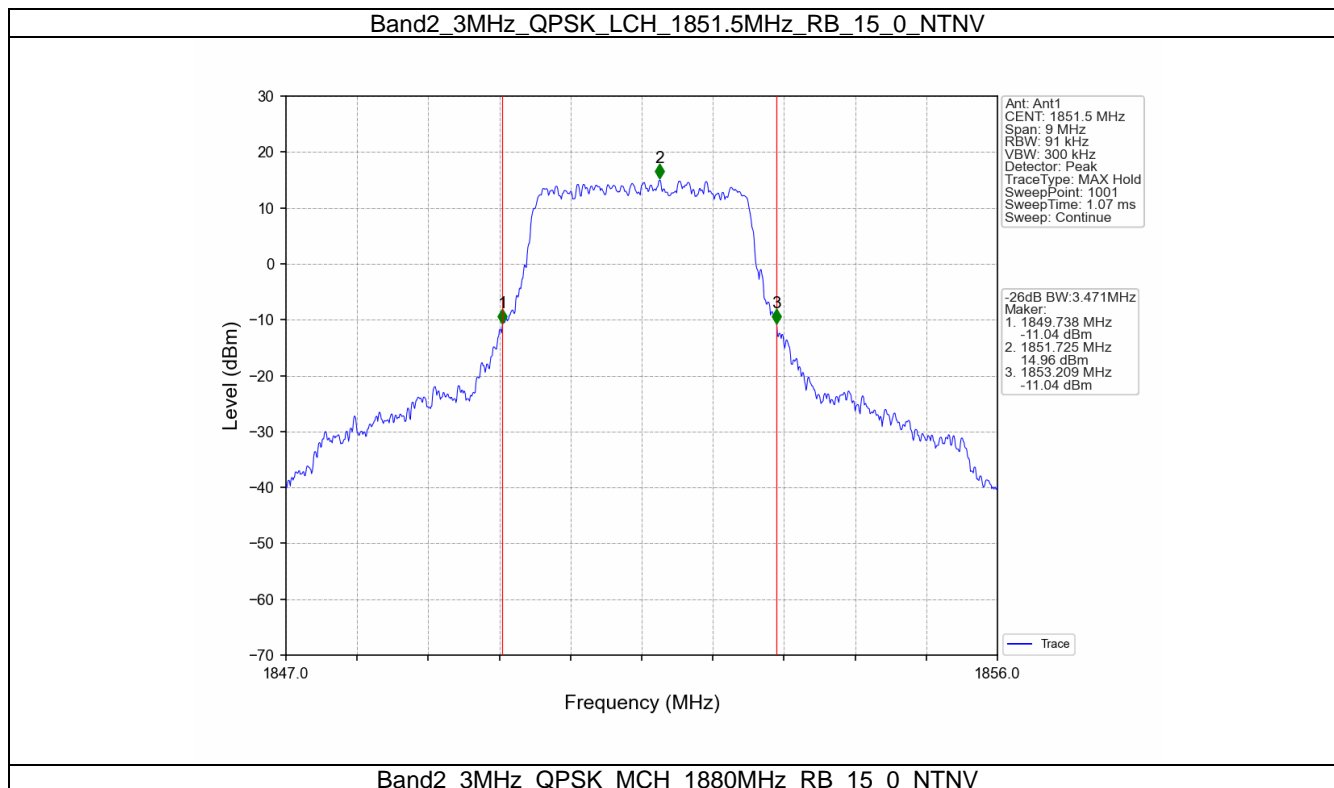


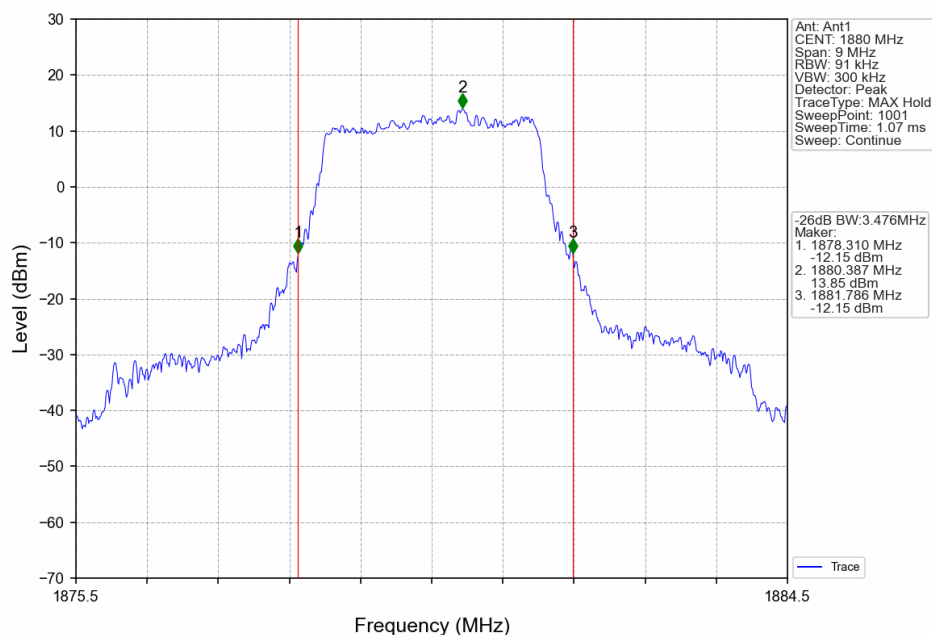


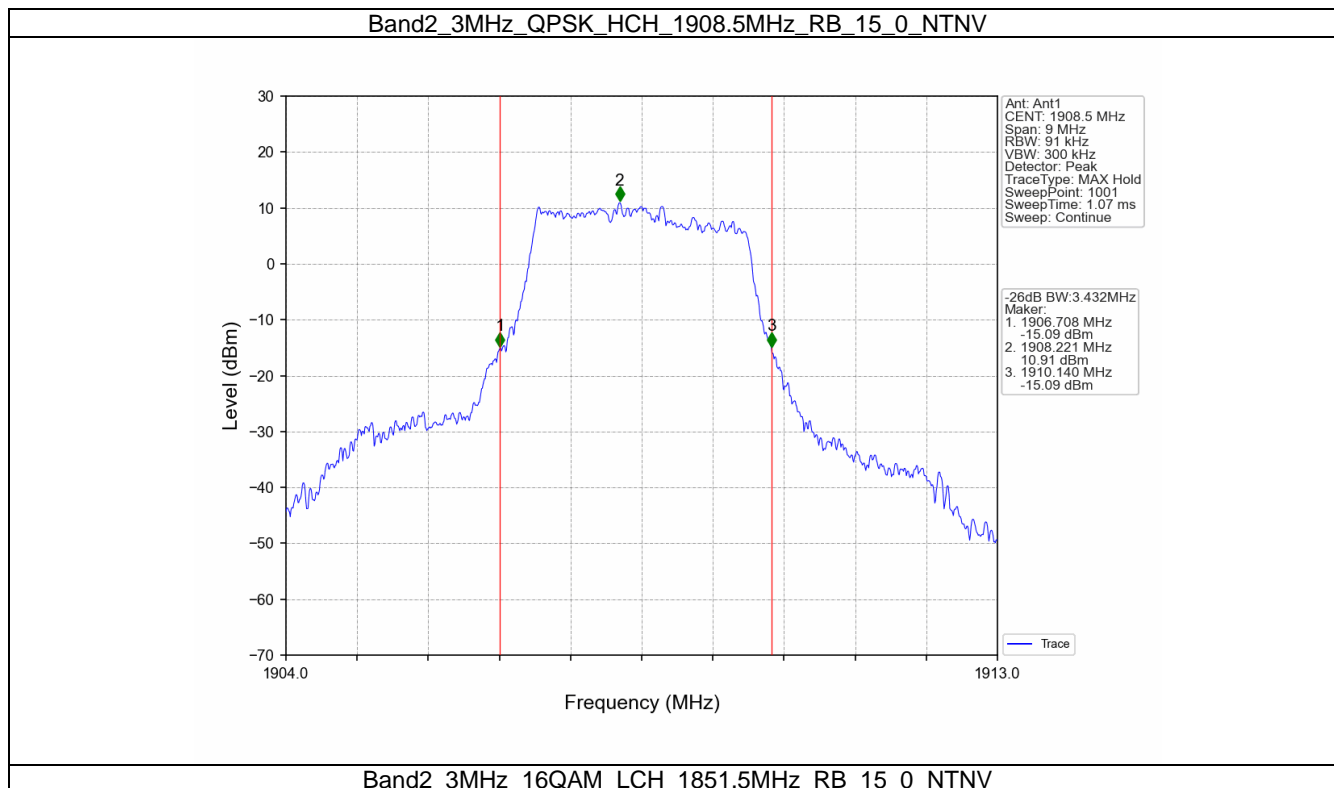






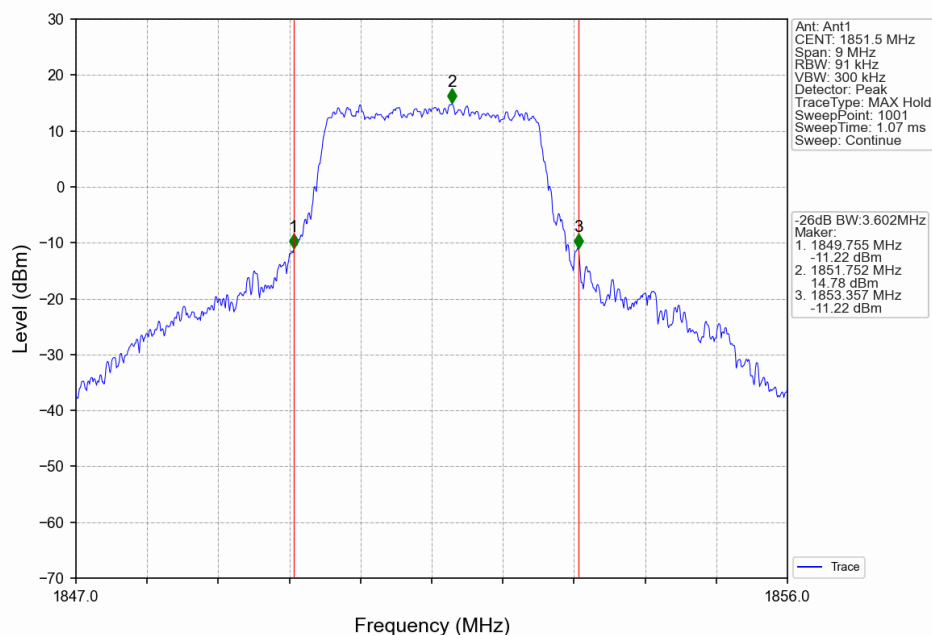


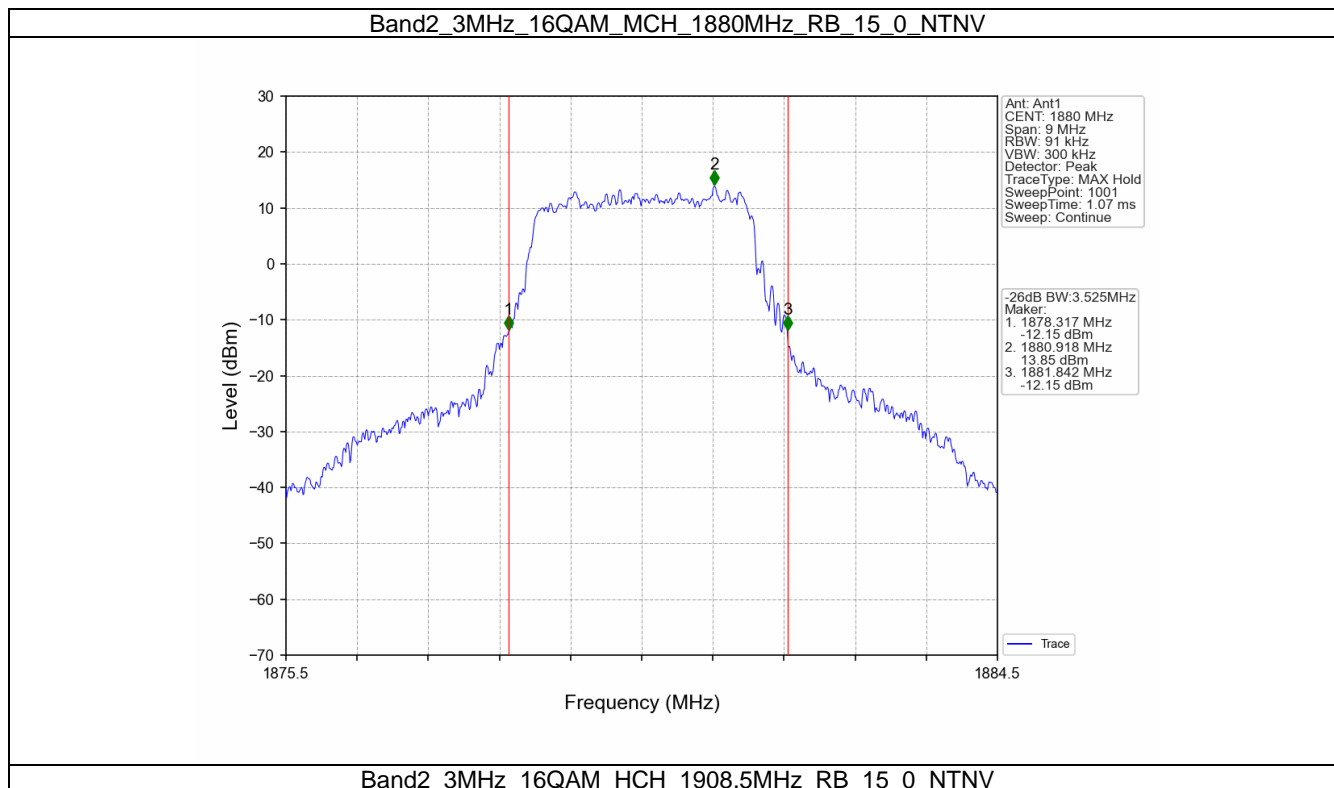


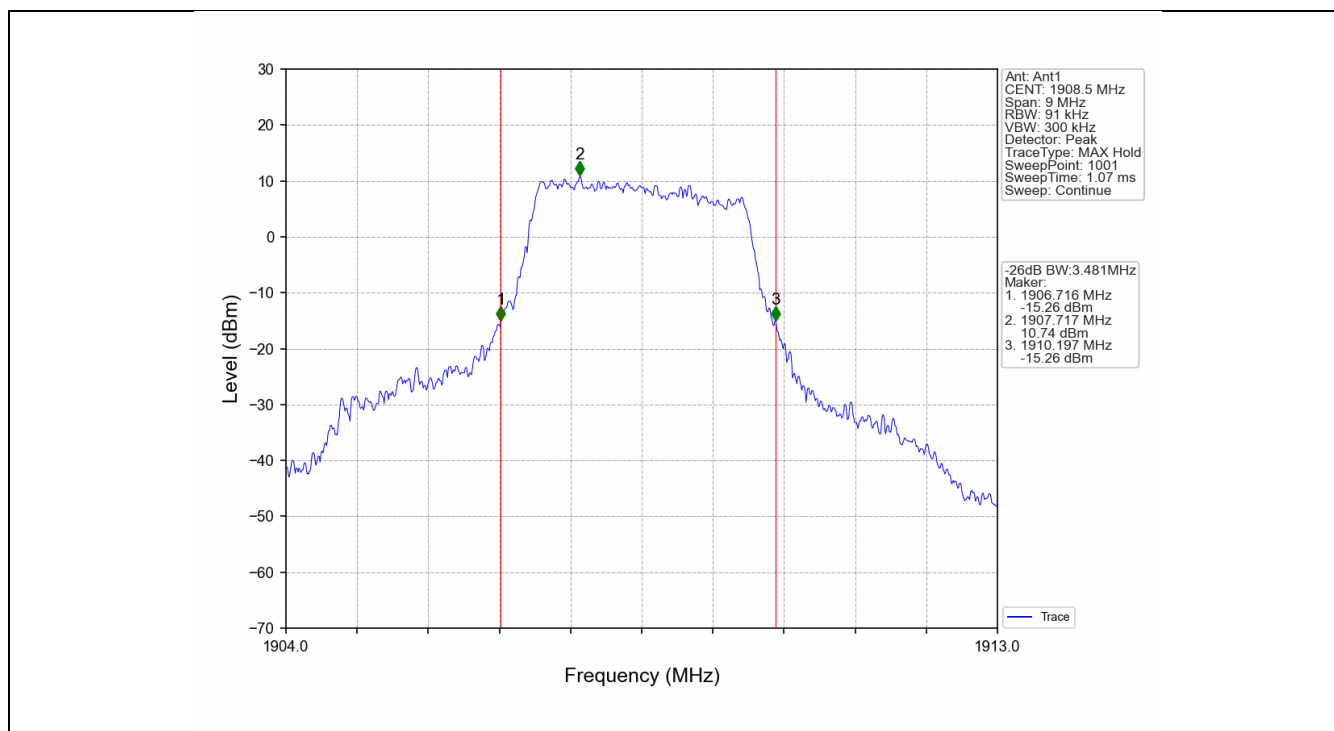


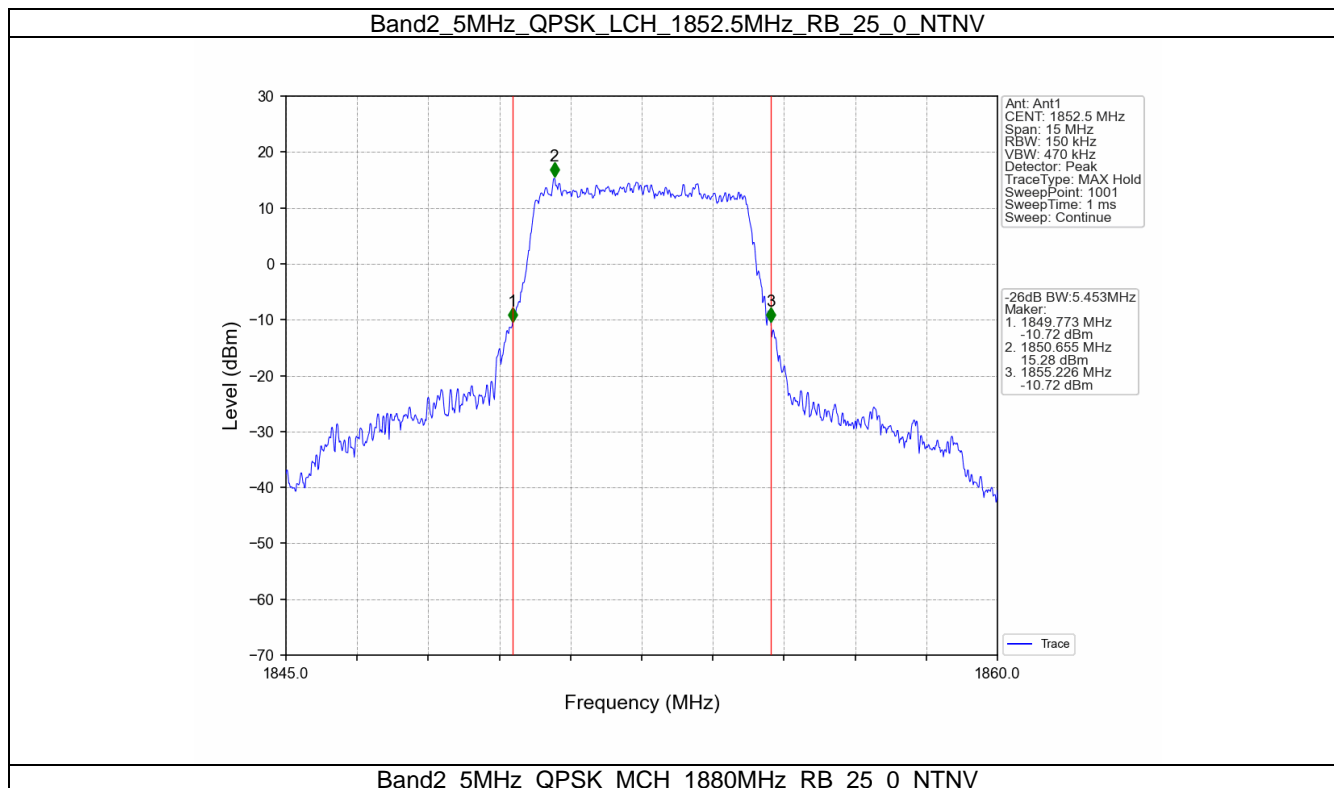
Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV

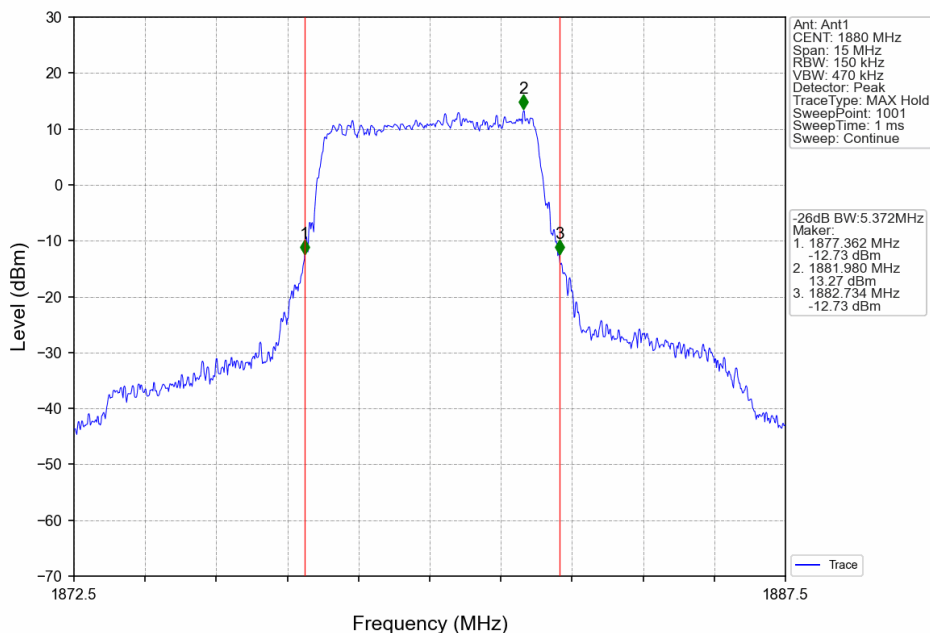










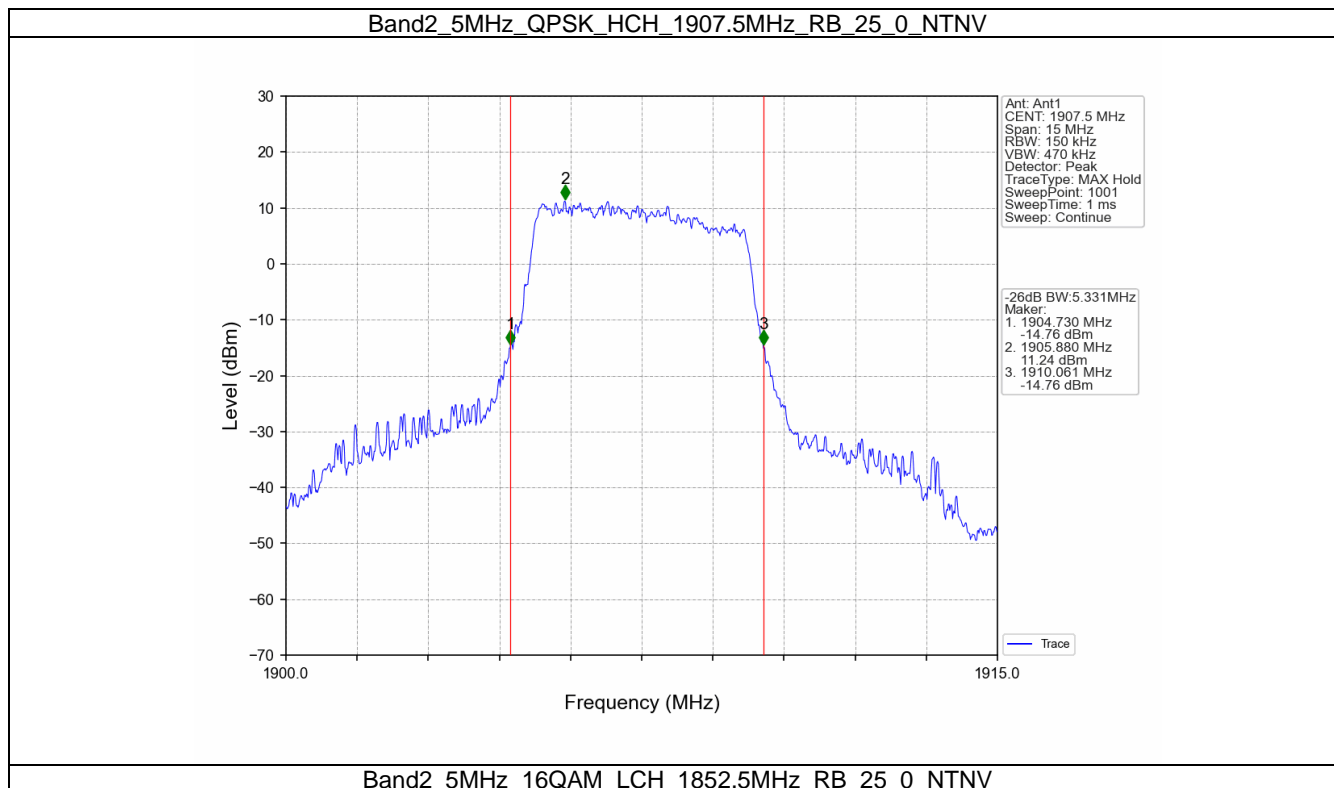


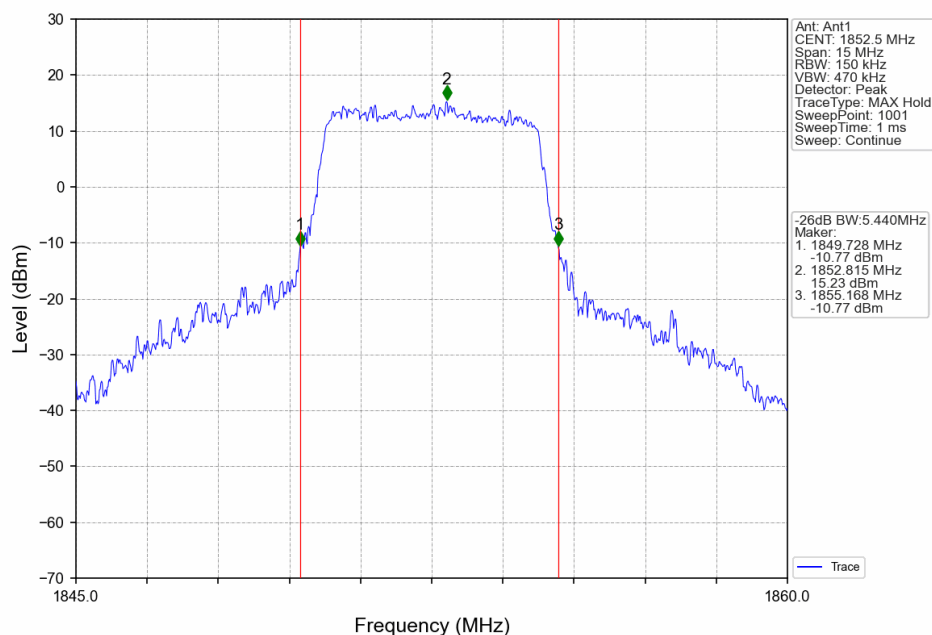
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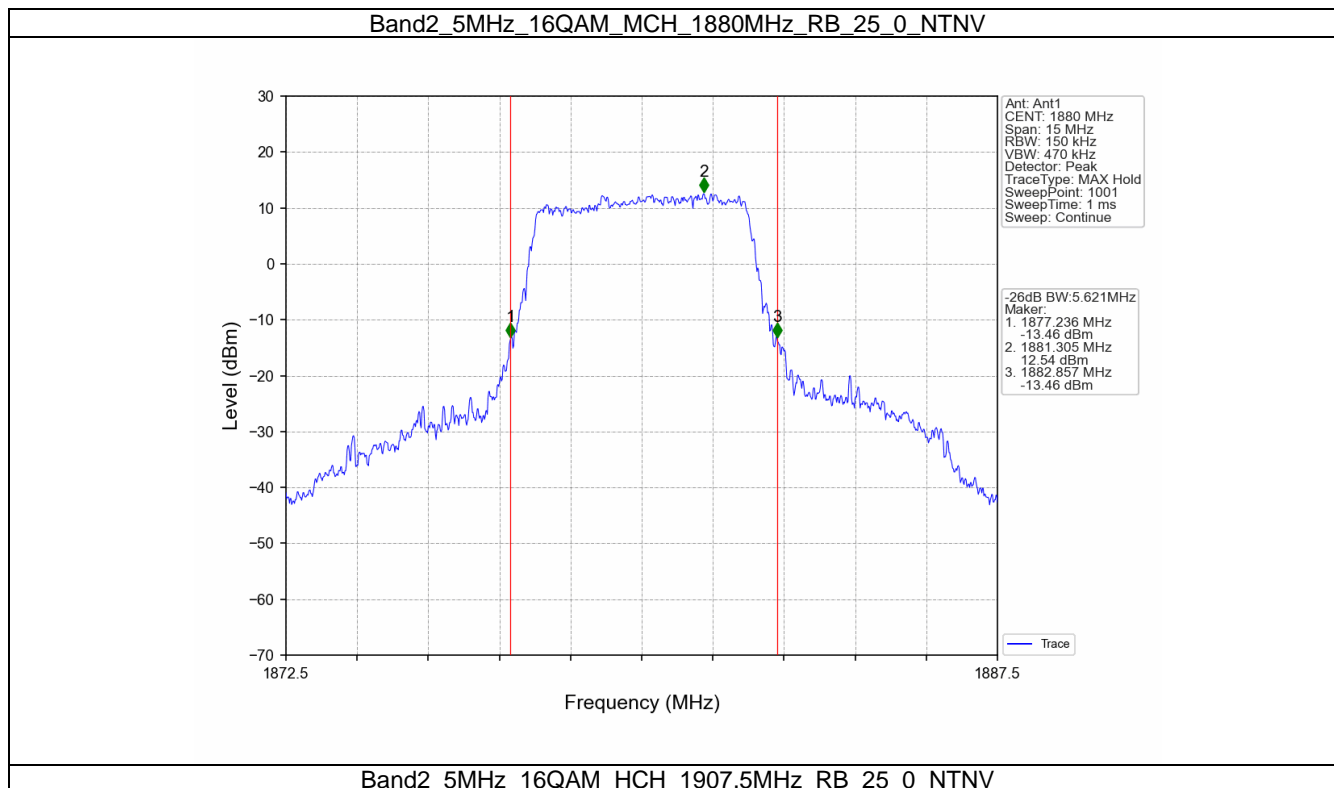
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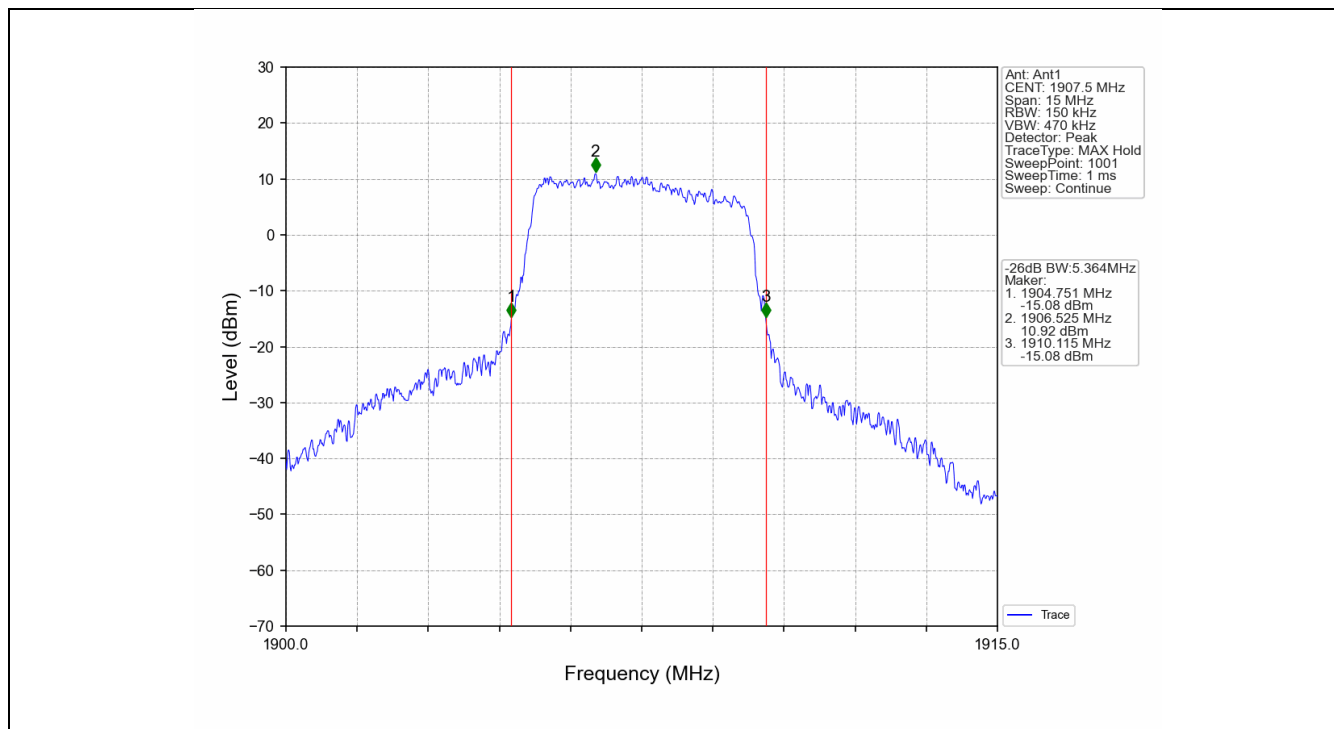
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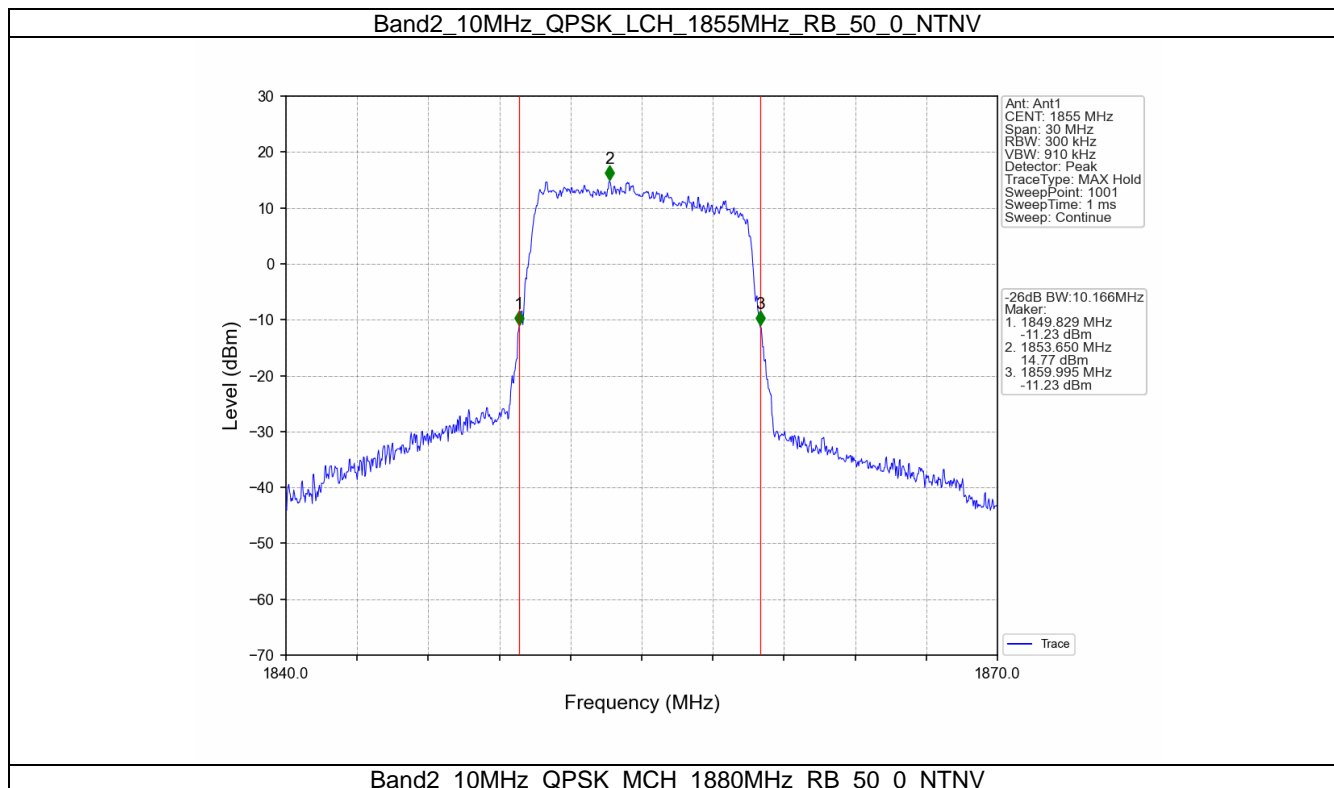
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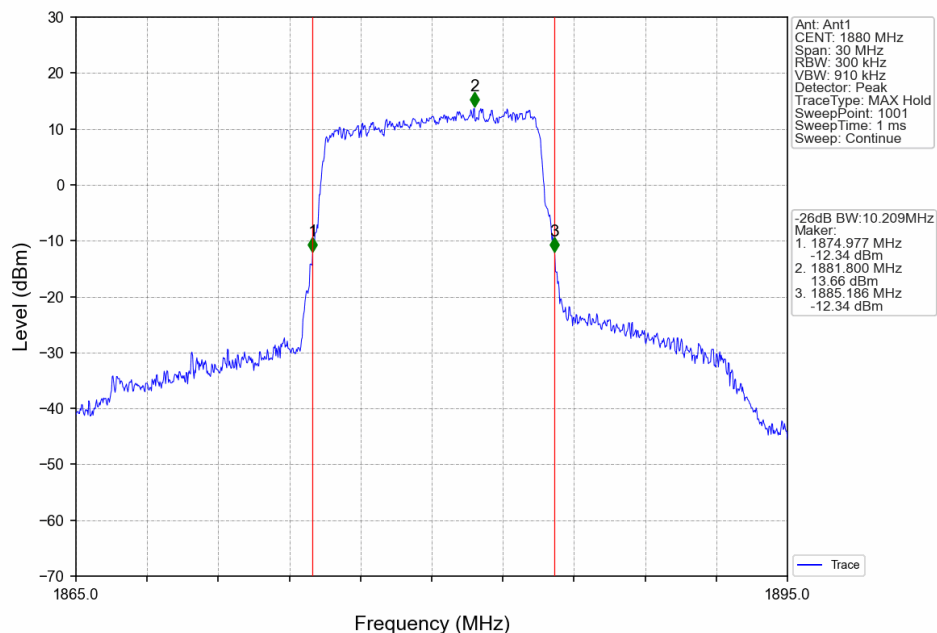


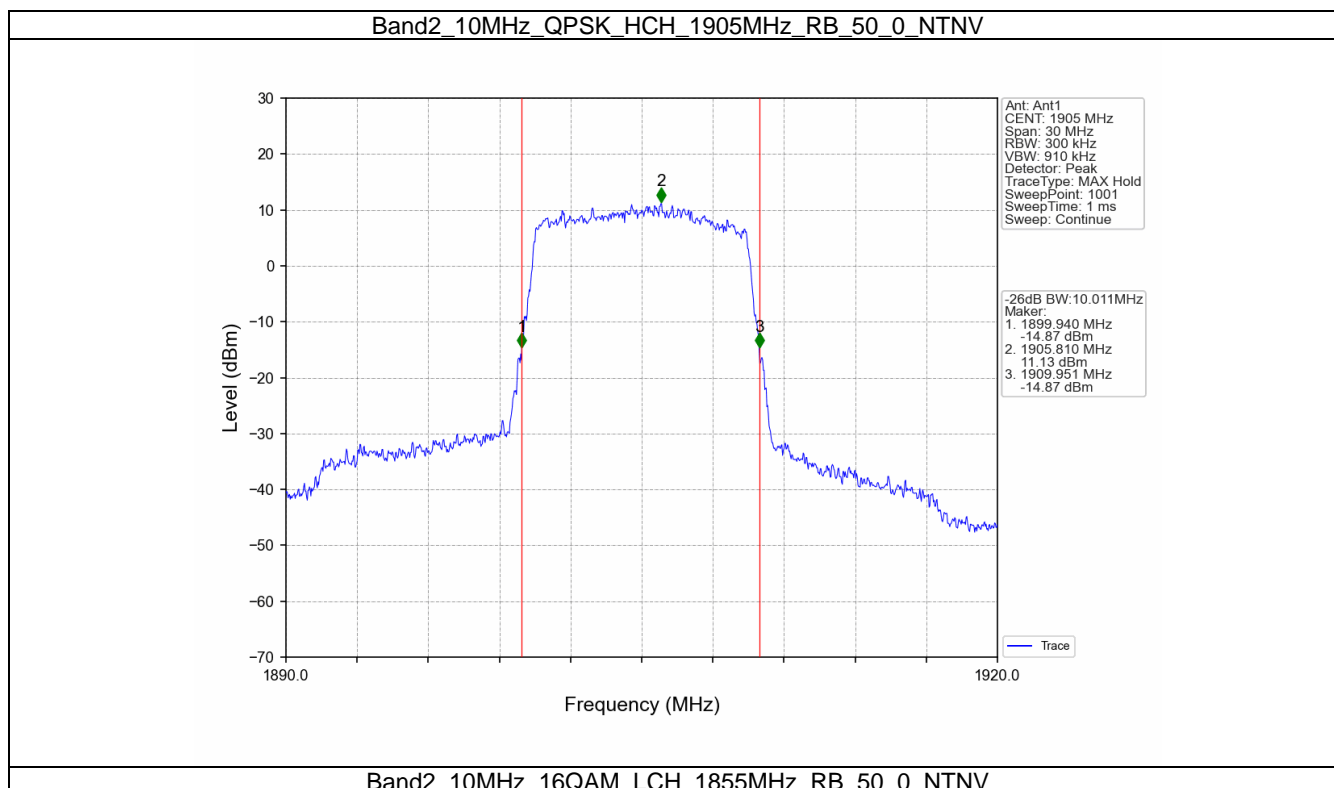


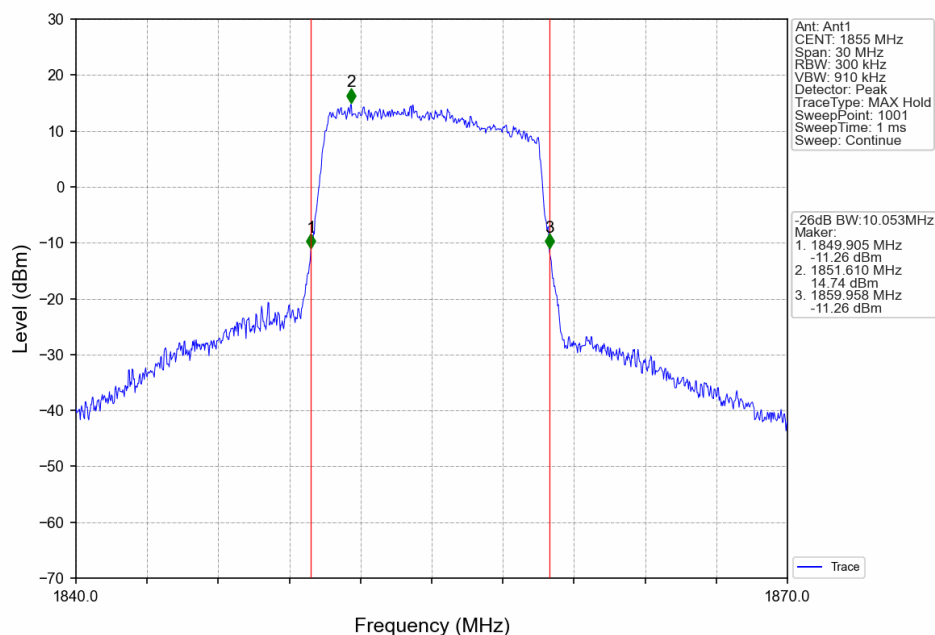


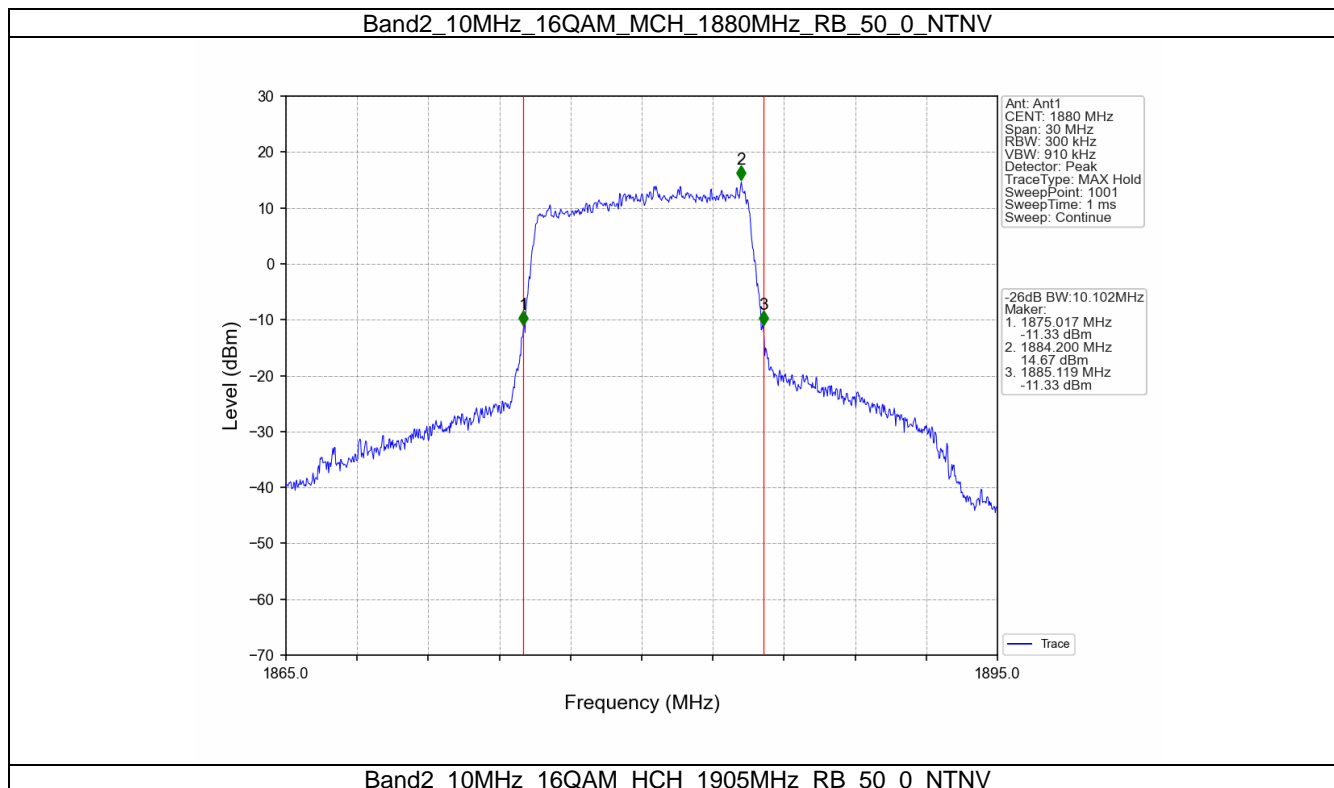






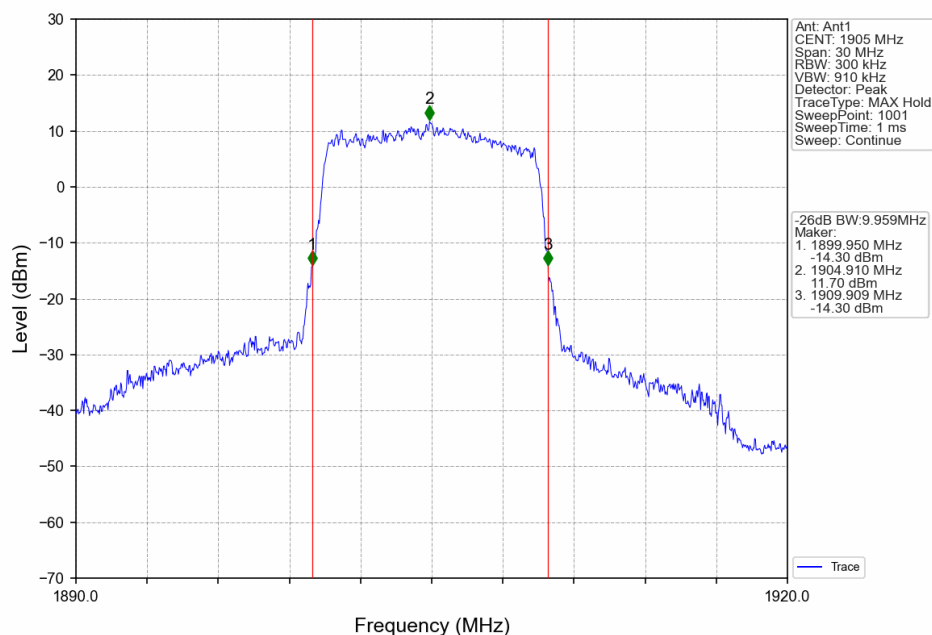


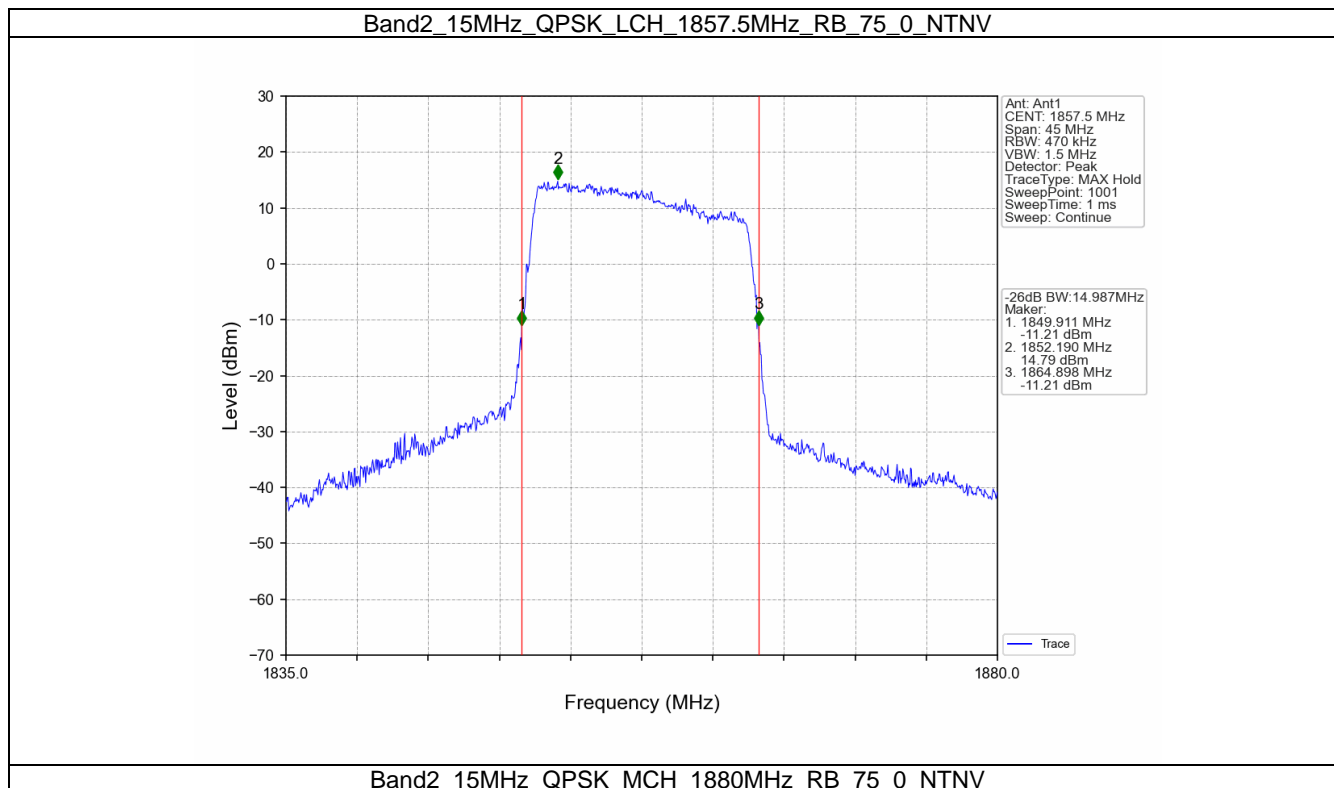


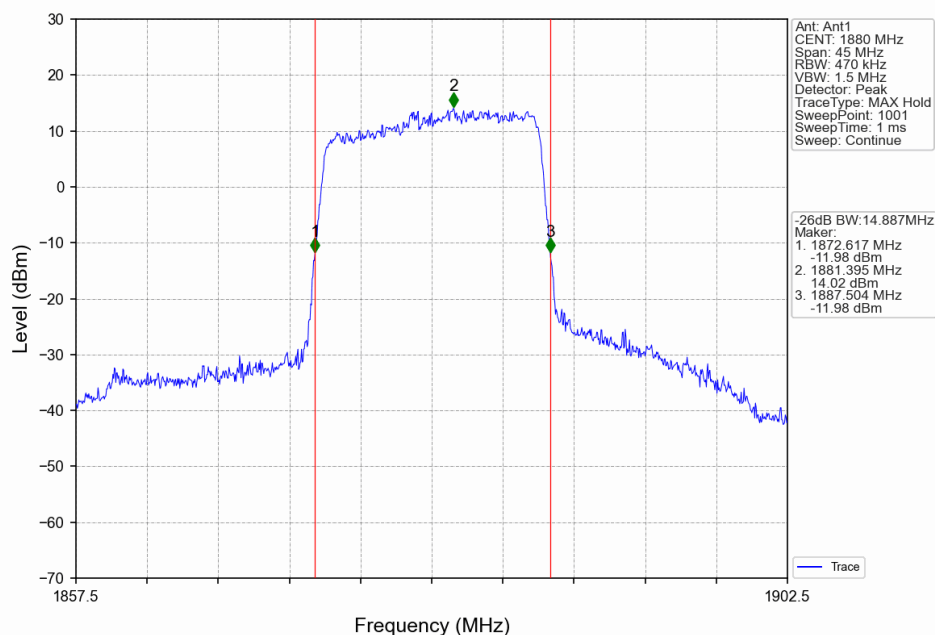


Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV







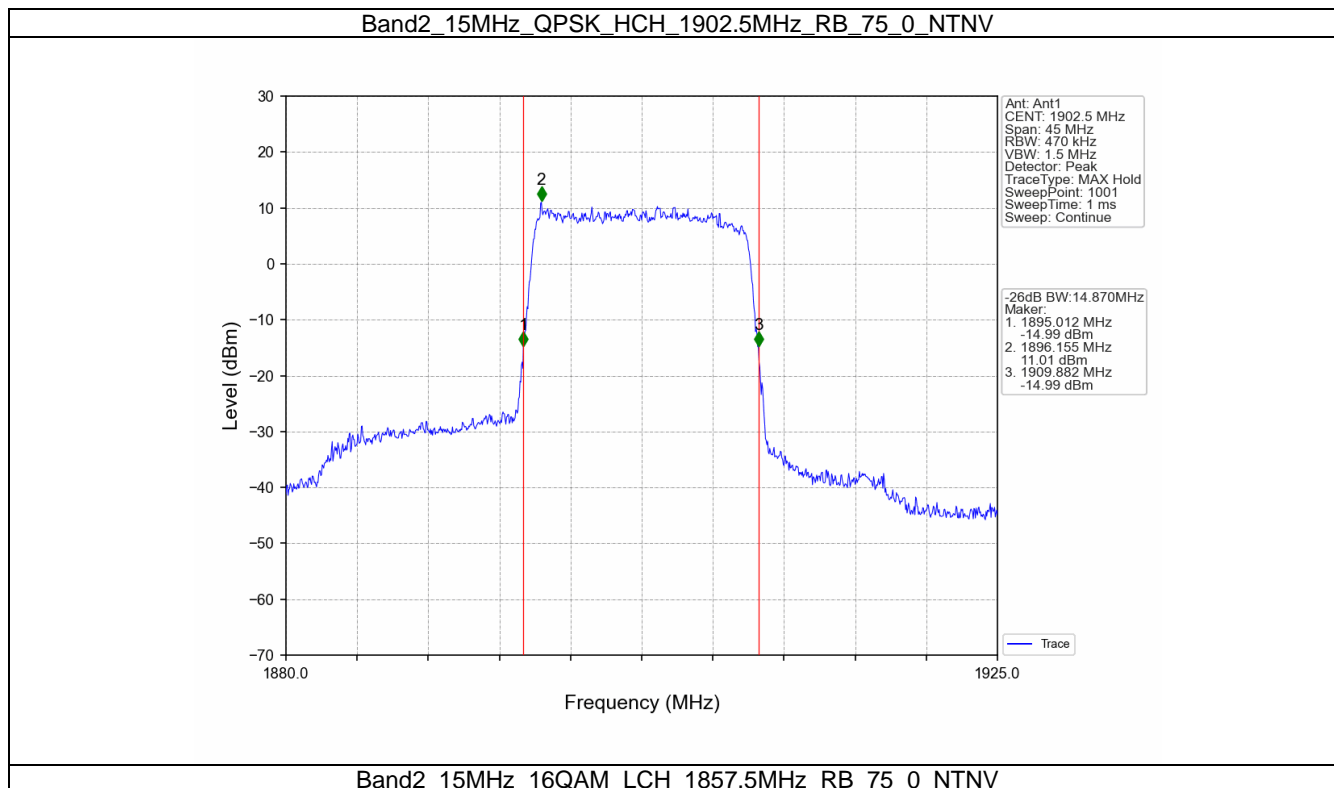


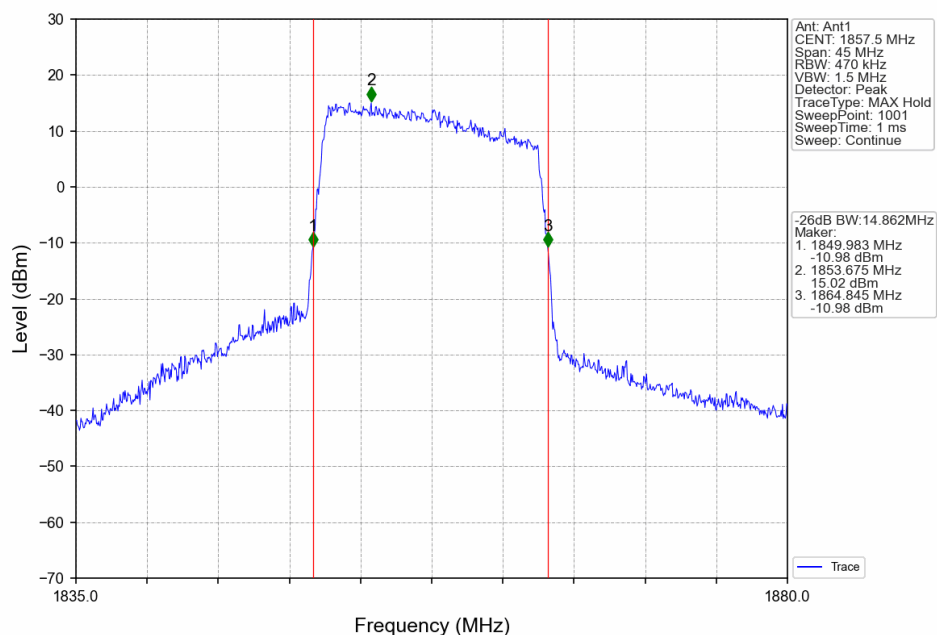
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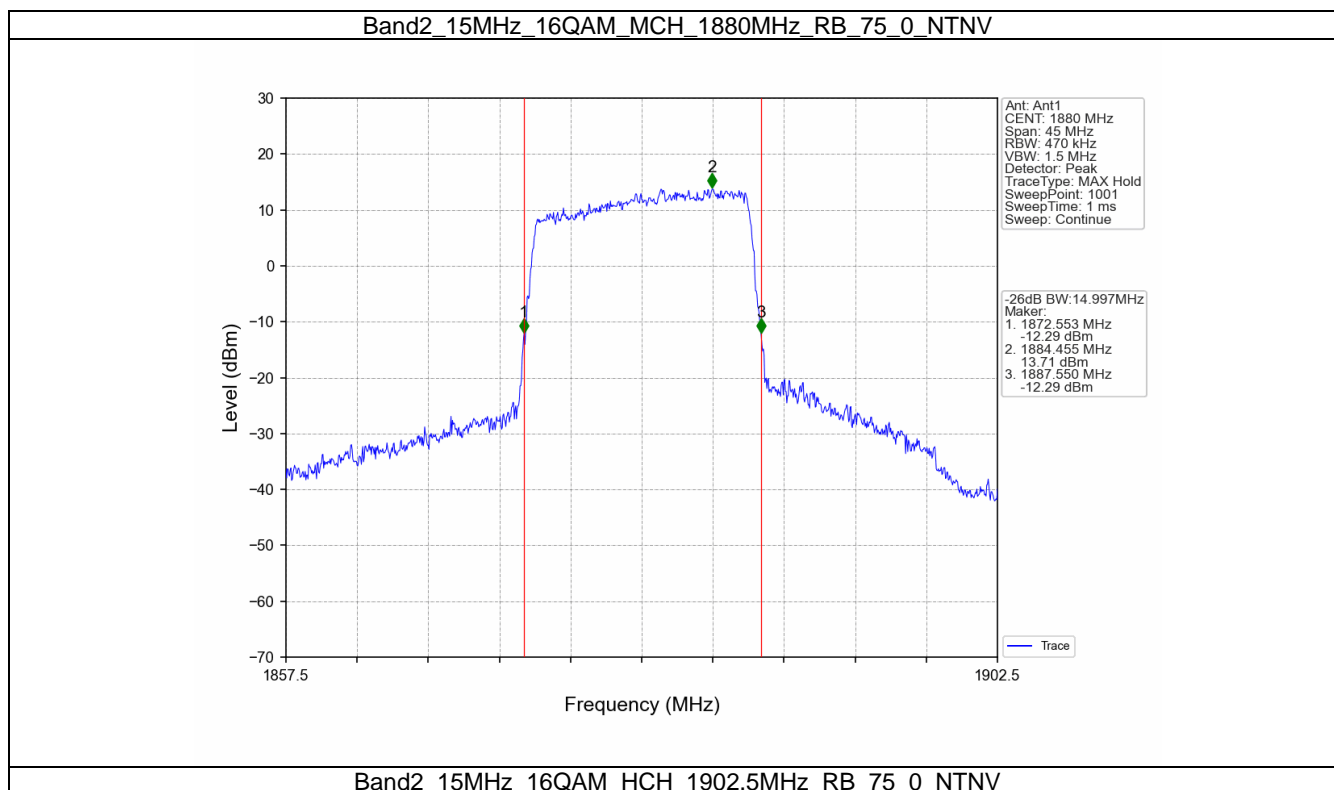
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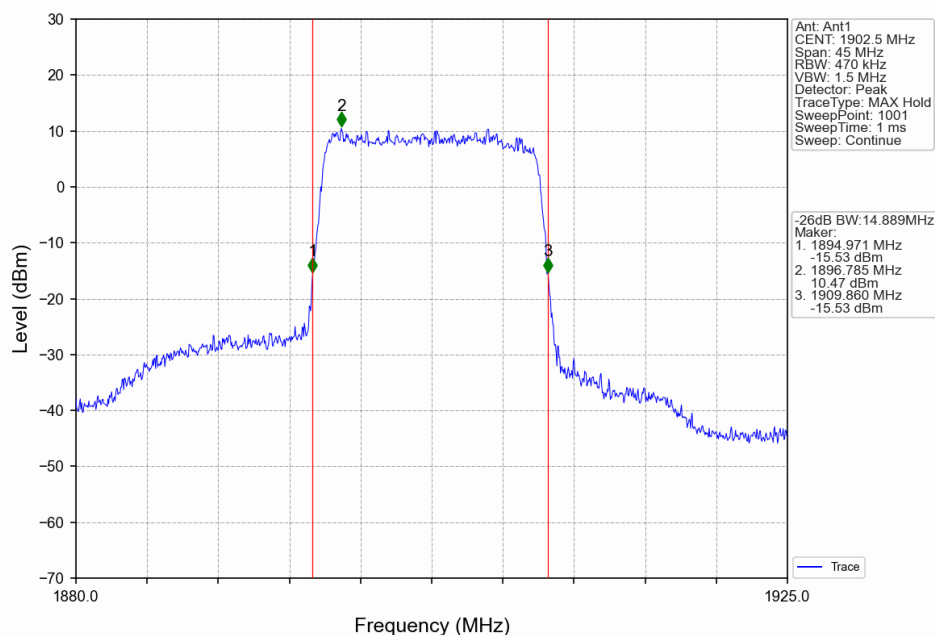






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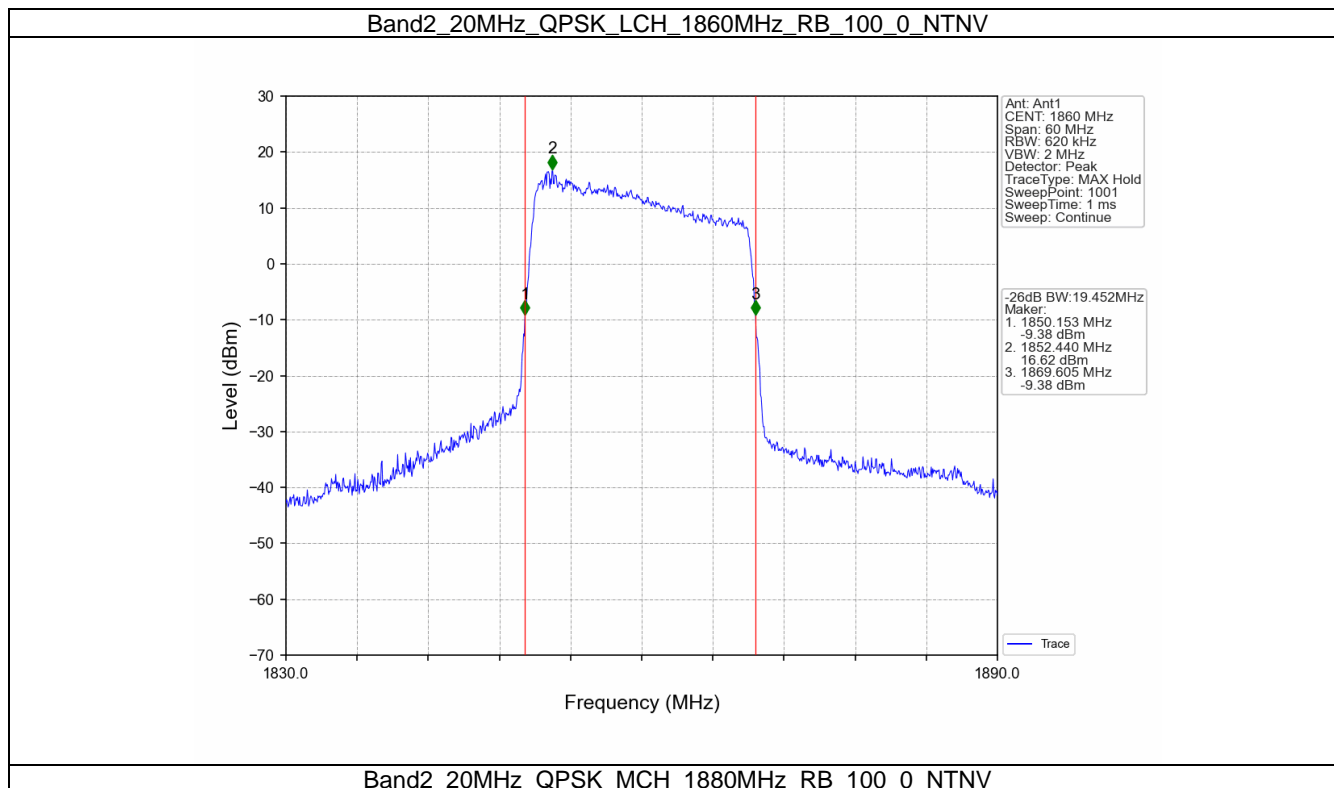


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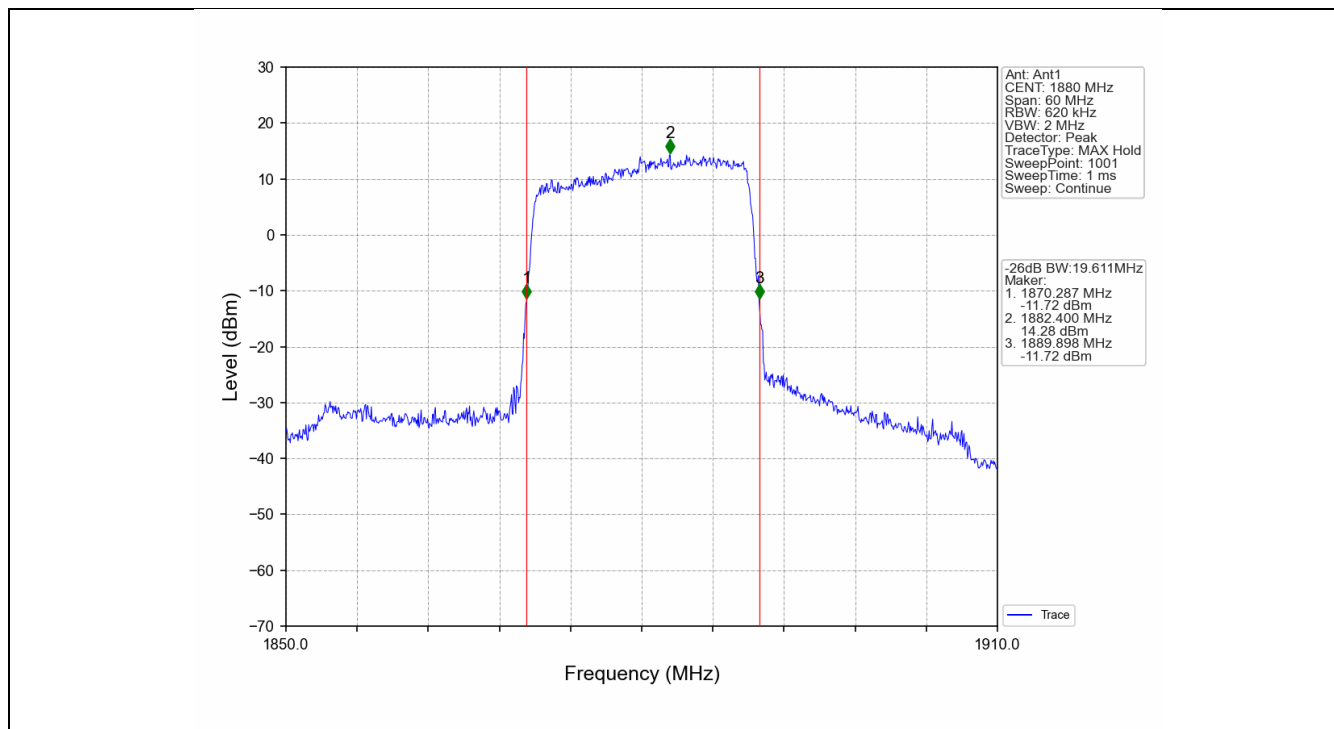
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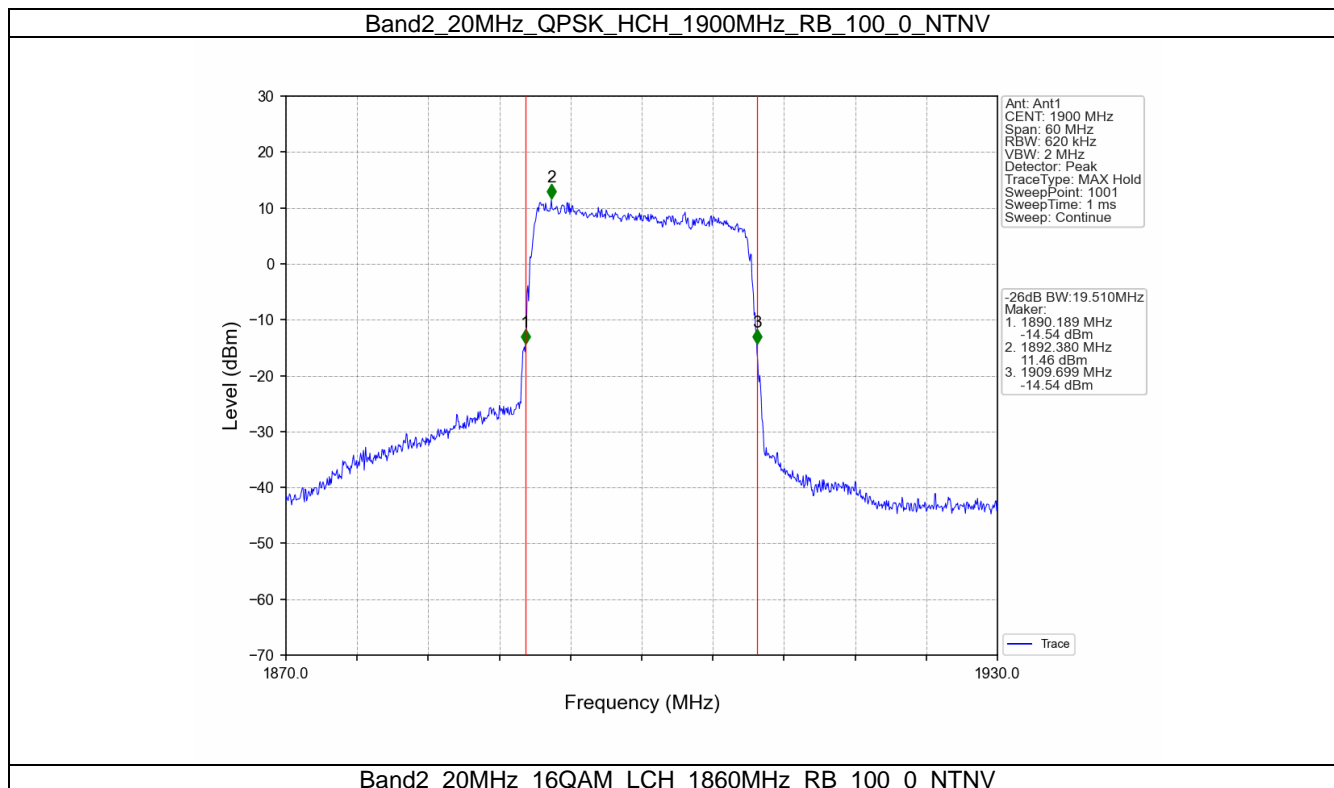
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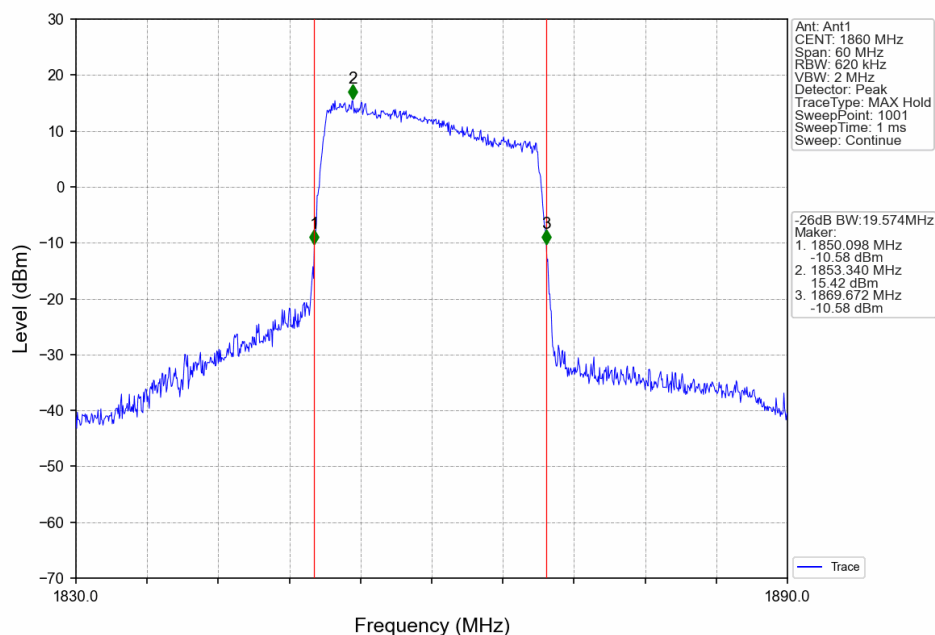


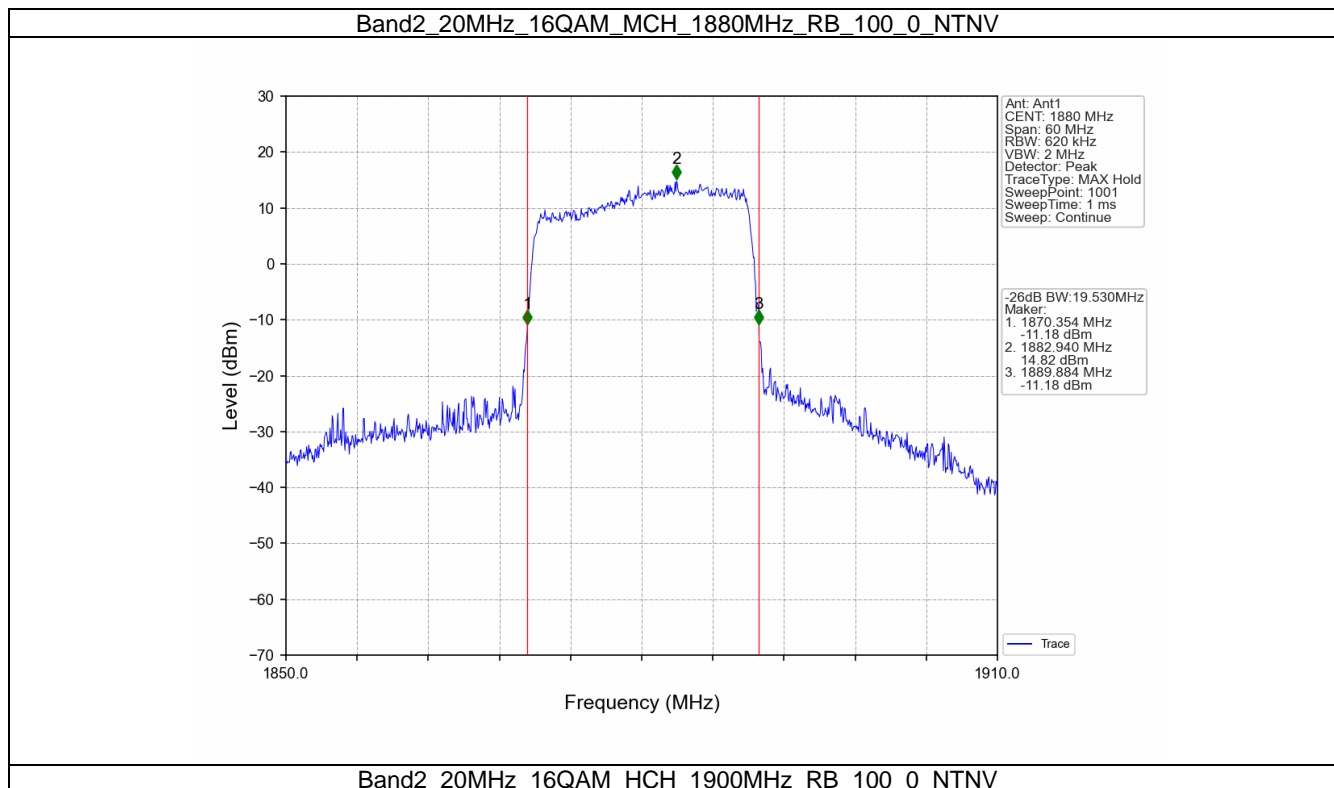
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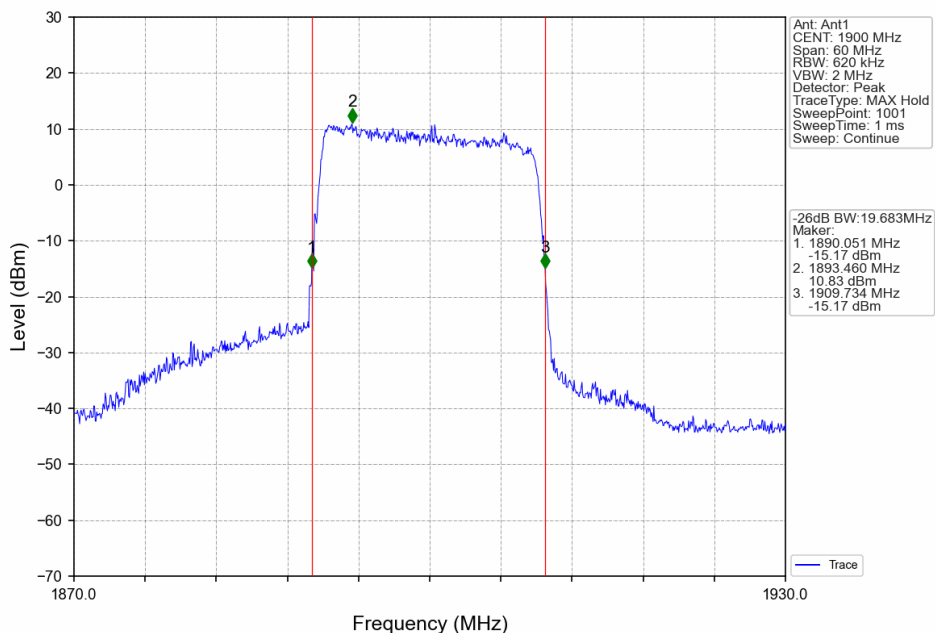












2. 99% & 26dB Bandwidth

2.1 Band4_OBW

2.1.1 Test Result

Band: 4 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.159	Pass
		1732.5	6	0	1.149	Pass
		1754.3	6	0	1.147	Pass
	16QAM	1710.7	6	0	1.138	Pass
		1732.5	6	0	1.154	Pass
		1754.3	6	0	1.143	Pass
3	QPSK	1711.5	15	0	2.787	Pass
		1732.5	15	0	2.795	Pass
		1753.5	15	0	2.788	Pass
	16QAM	1711.5	15	0	2.775	Pass
		1732.5	15	0	2.828	Pass
		1753.5	15	0	2.777	Pass
5	QPSK	1712.5	25	0	4.614	Pass
		1732.5	25	0	4.582	Pass
		1752.5	25	0	4.583	Pass
	16QAM	1712.5	25	0	4.580	Pass
		1732.5	25	0	4.633	Pass
		1752.5	25	0	4.602	Pass
10	QPSK	1715	50	0	9.070	Pass
		1732.5	50	0	9.057	Pass
		1750	50	0	9.074	Pass
	16QAM	1715	50	0	9.109	Pass
		1732.5	50	0	9.054	Pass
		1750	50	0	9.082	Pass
15	QPSK	1717.5	75	0	13.606	Pass
		1732.5	75	0	13.531	Pass
		1747.5	75	0	13.566	Pass
	16QAM	1717.5	75	0	13.626	Pass
		1732.5	75	0	13.513	Pass
		1747.5	75	0	13.616	Pass
20	QPSK	1720	100	0	18.052	Pass
		1732.5	100	0	18.007	Pass
		1745	100	0	18.094	Pass
	16QAM	1720	100	0	18.098	Pass



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Page: 77 of 227

		1732.5	100	0	17.947	Pass
		1745	100	0	18.060	Pass



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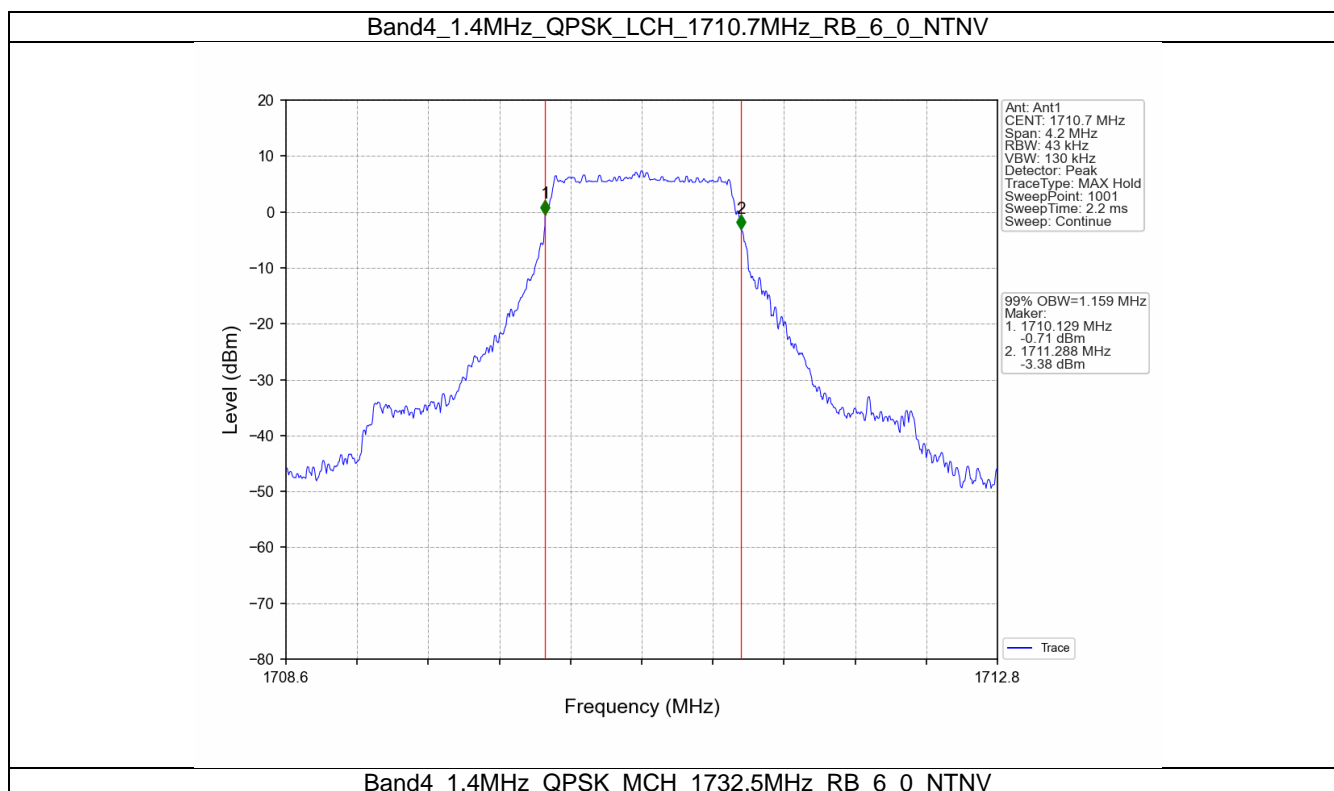
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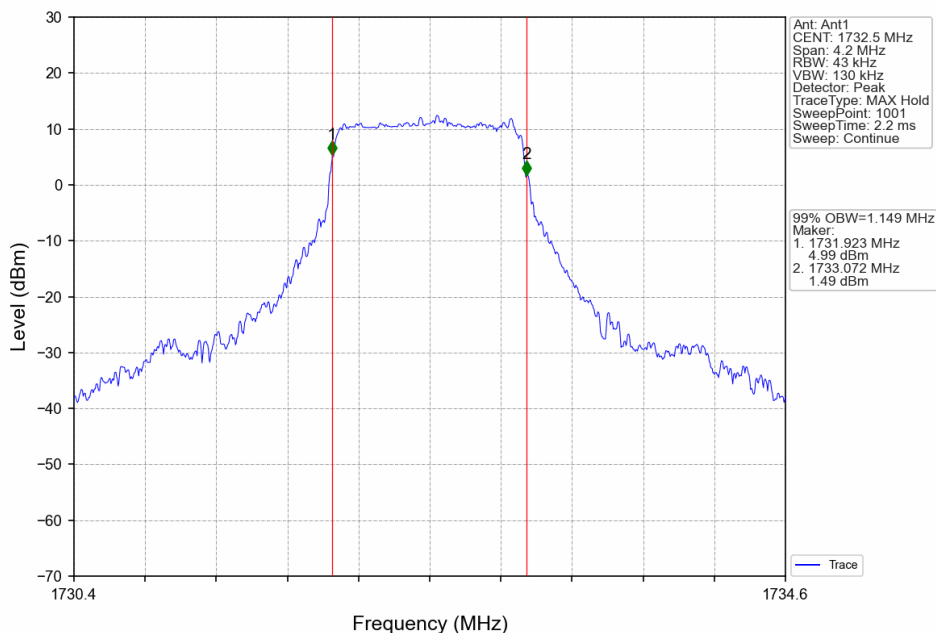
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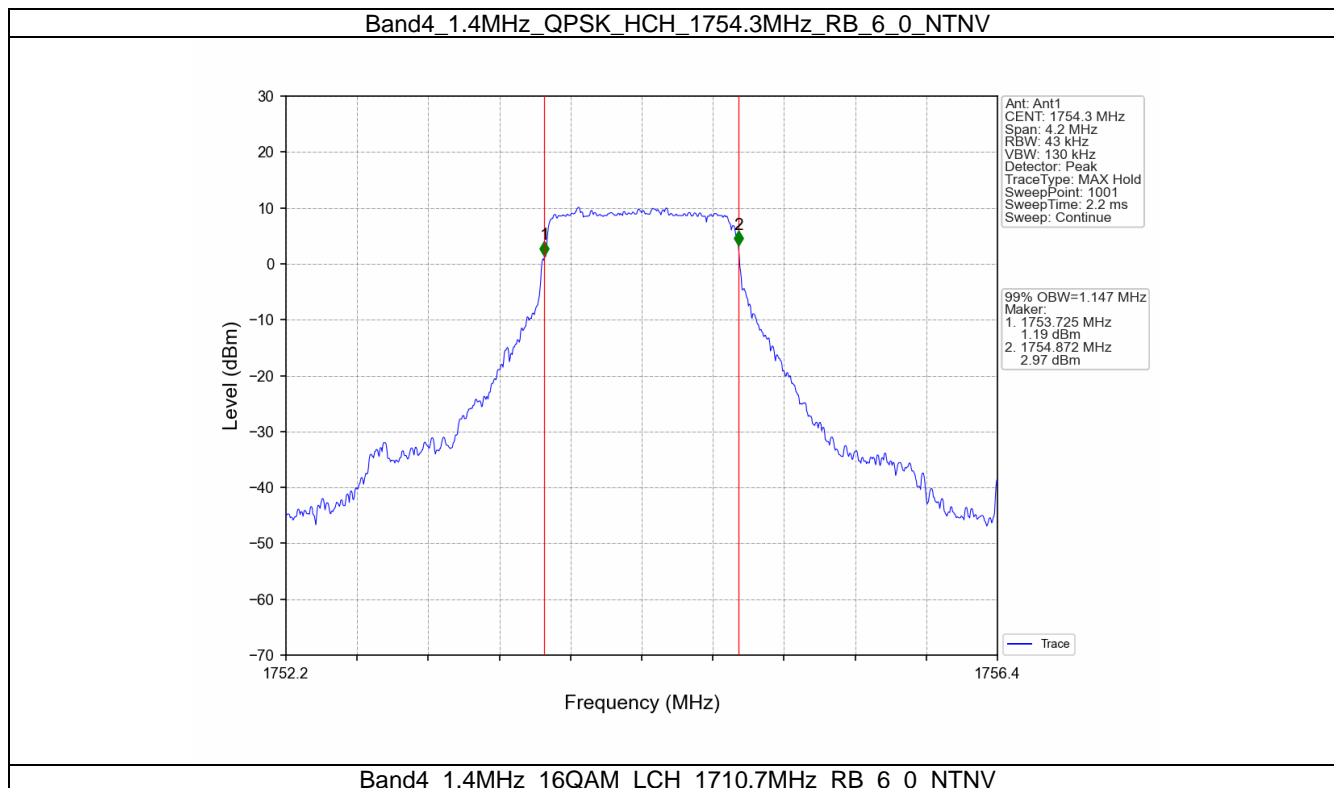
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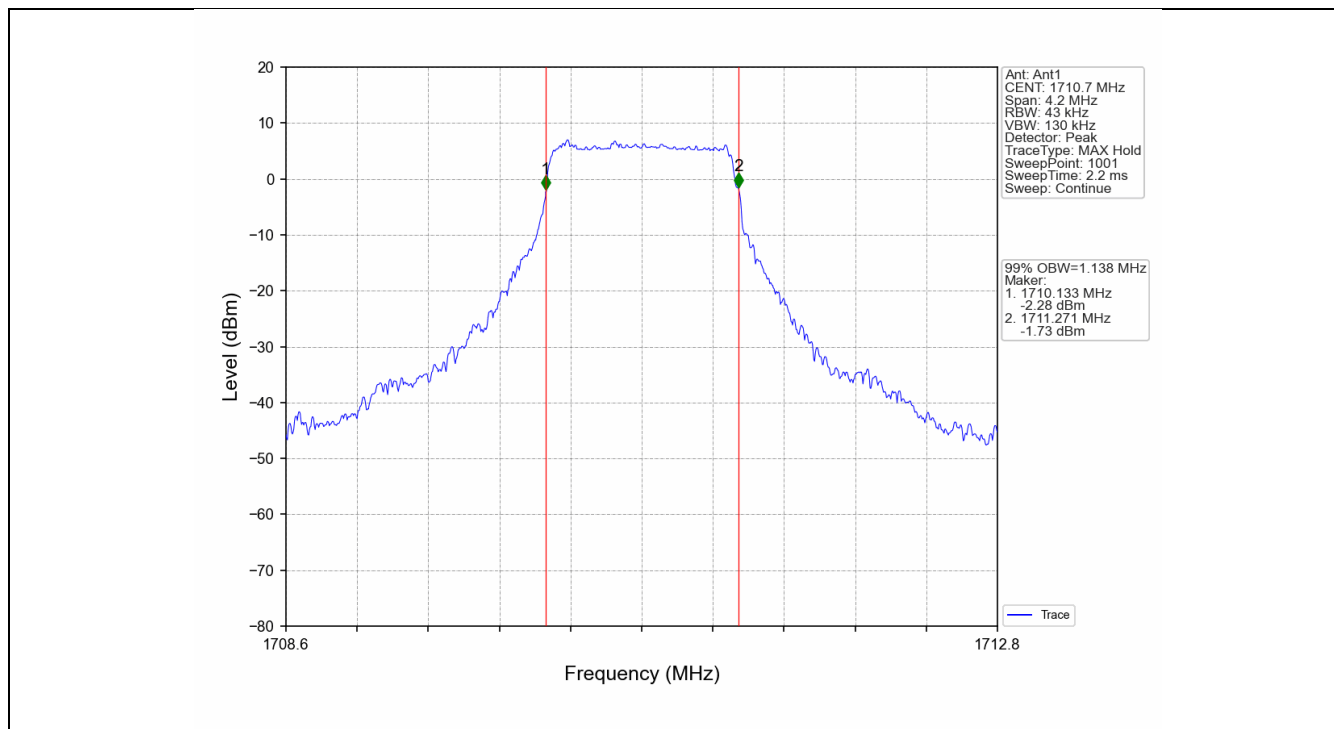
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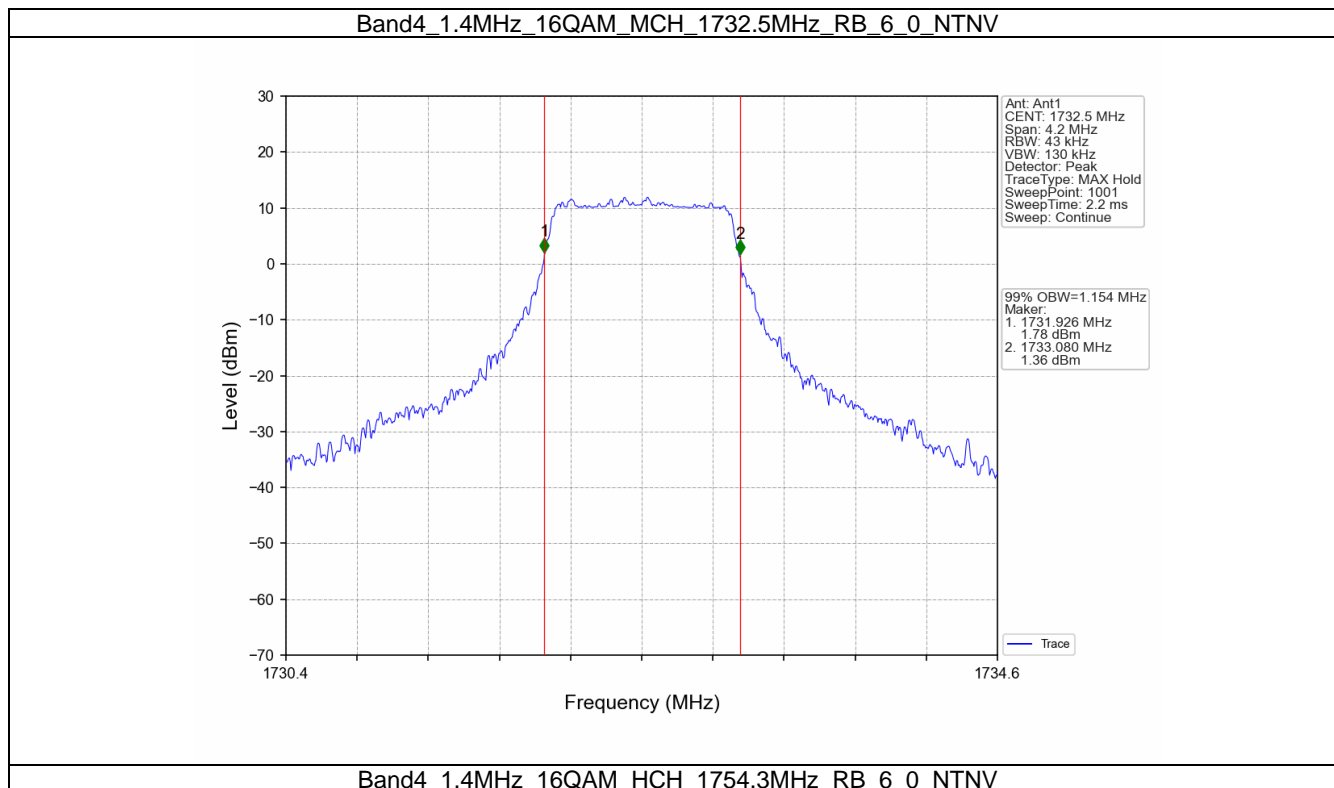
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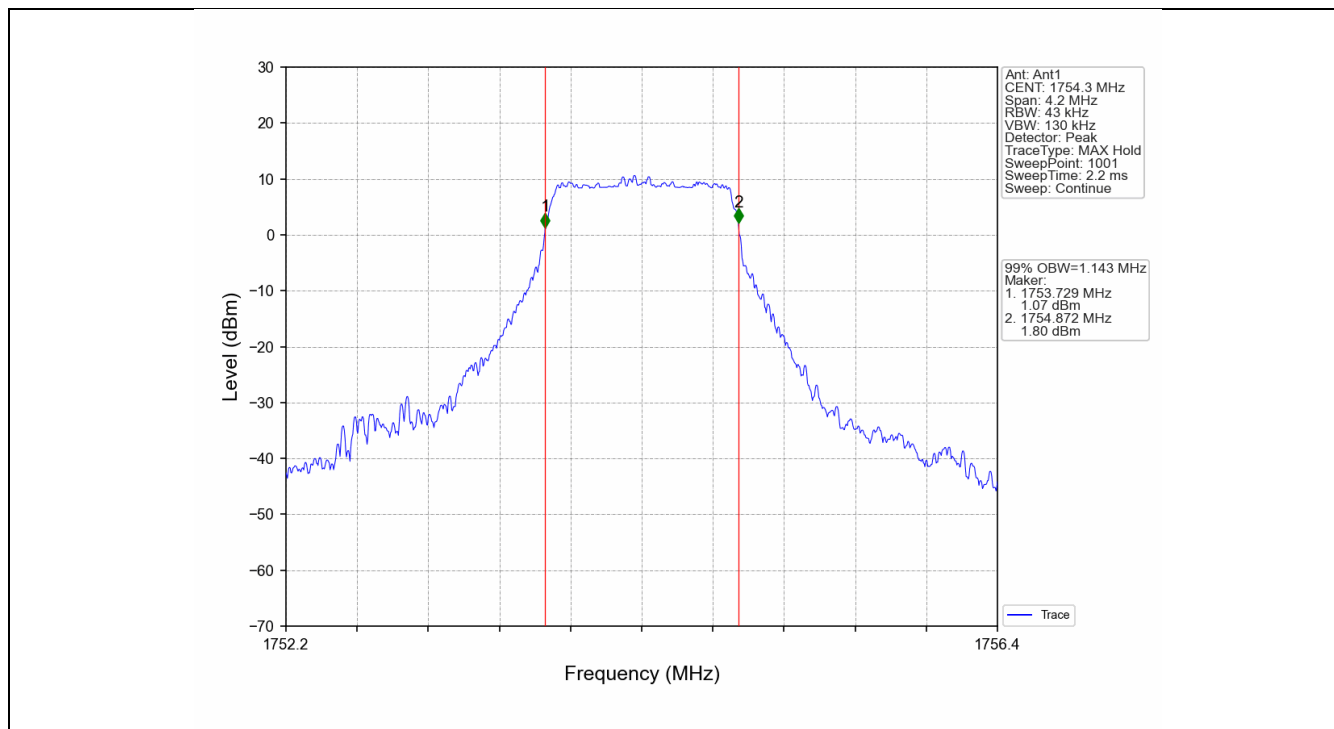


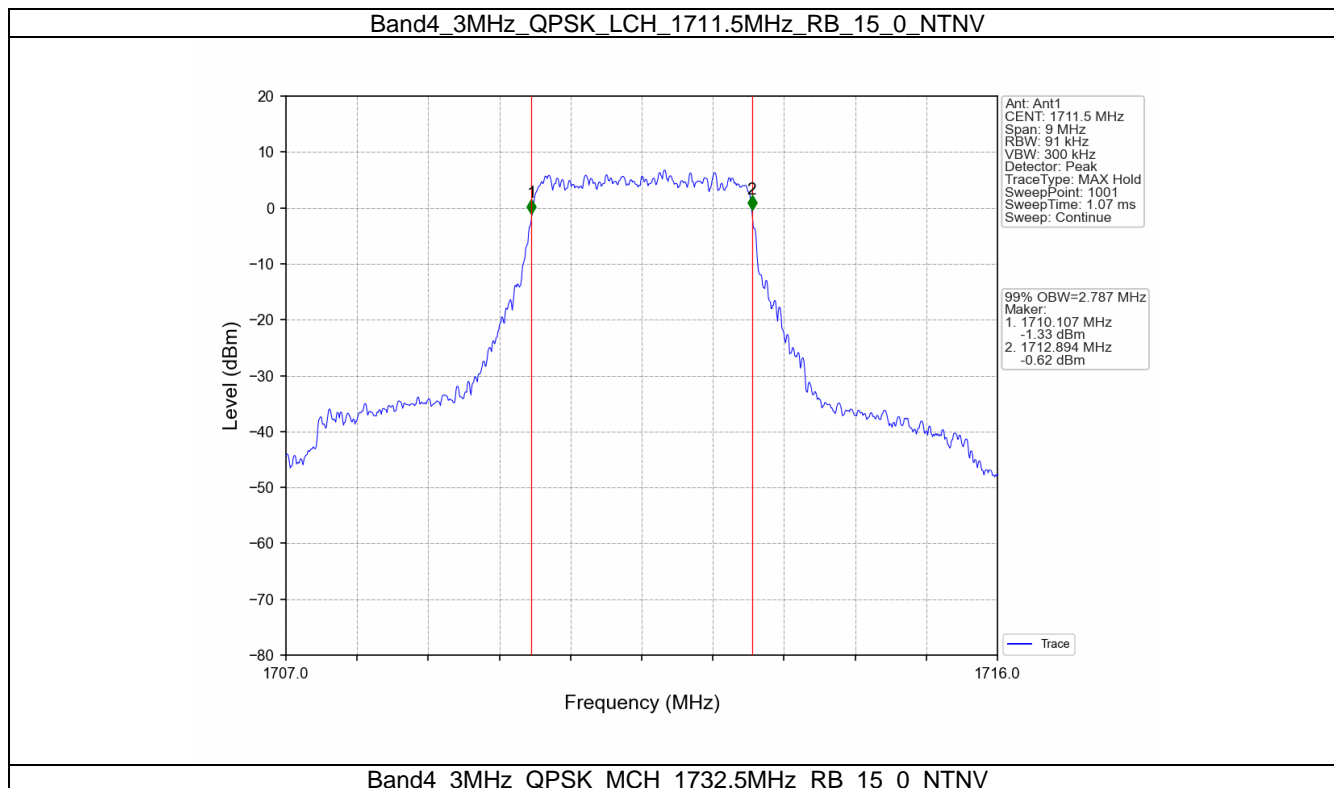


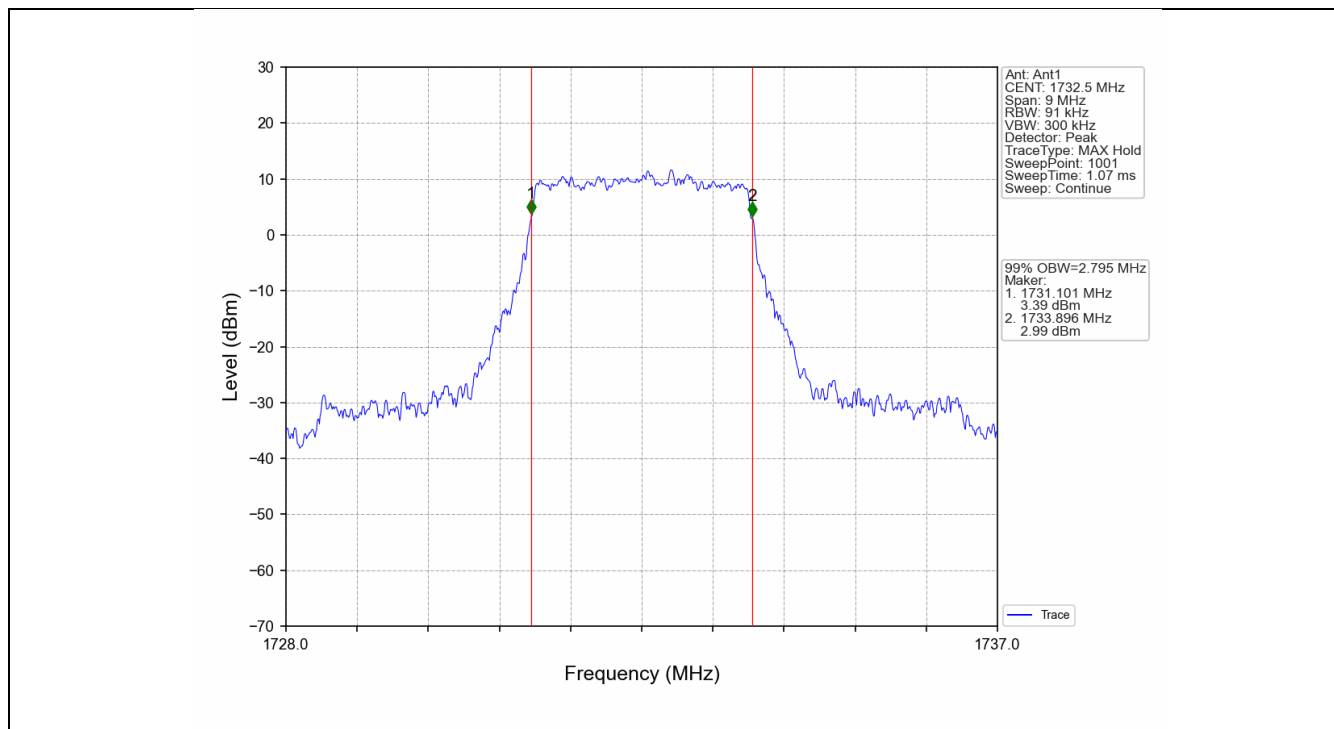


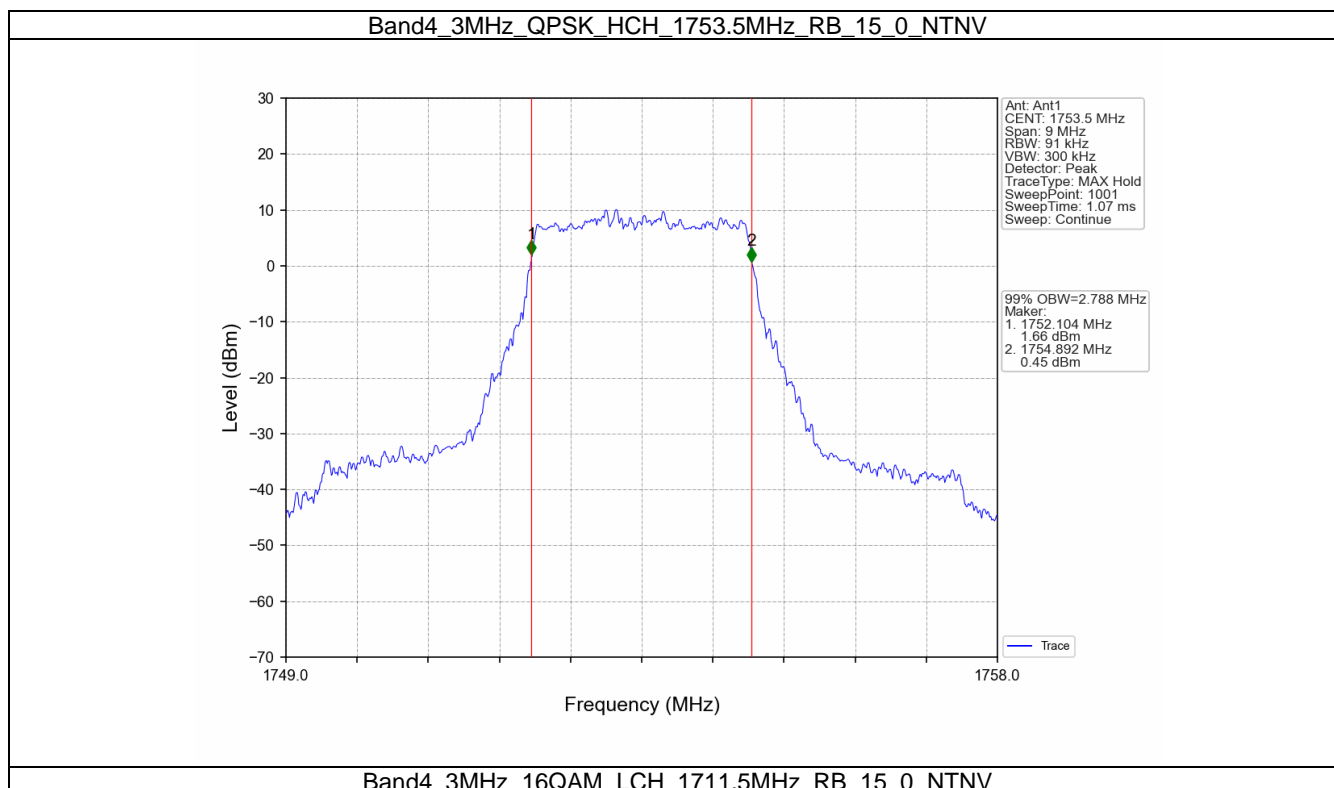


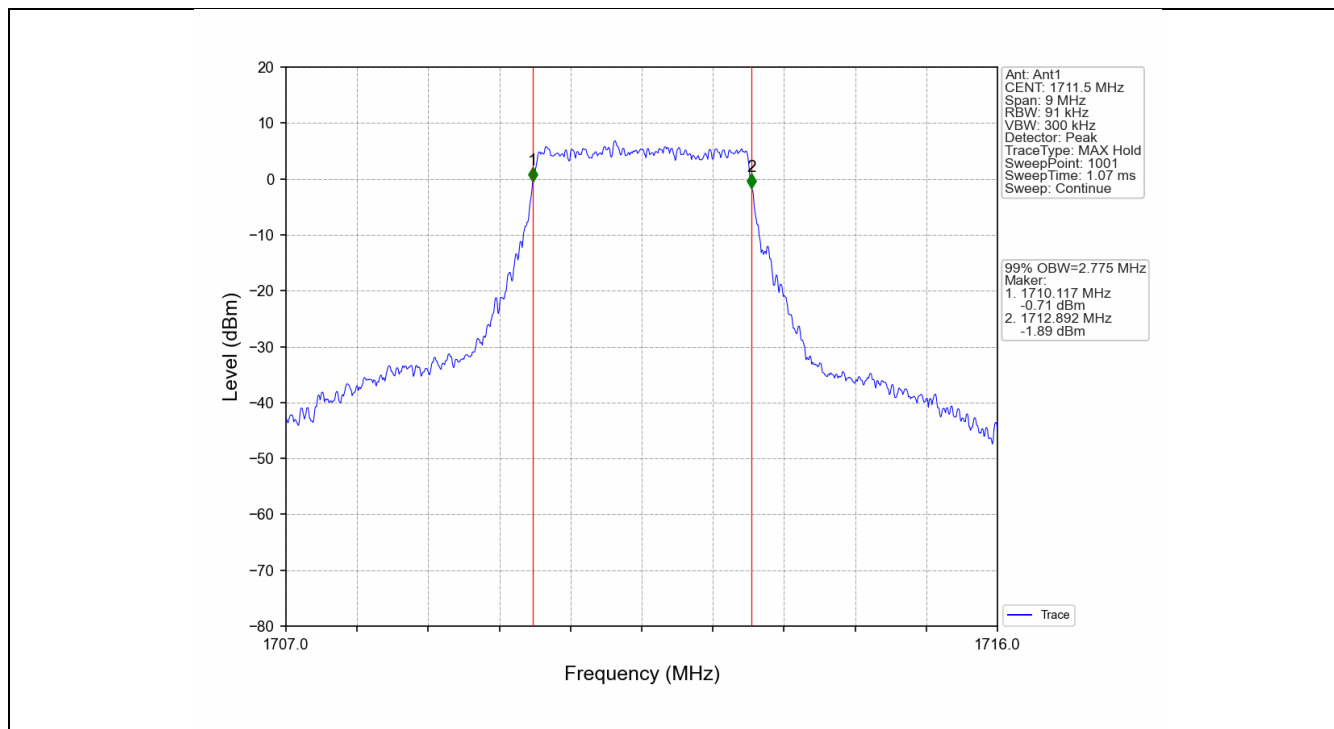


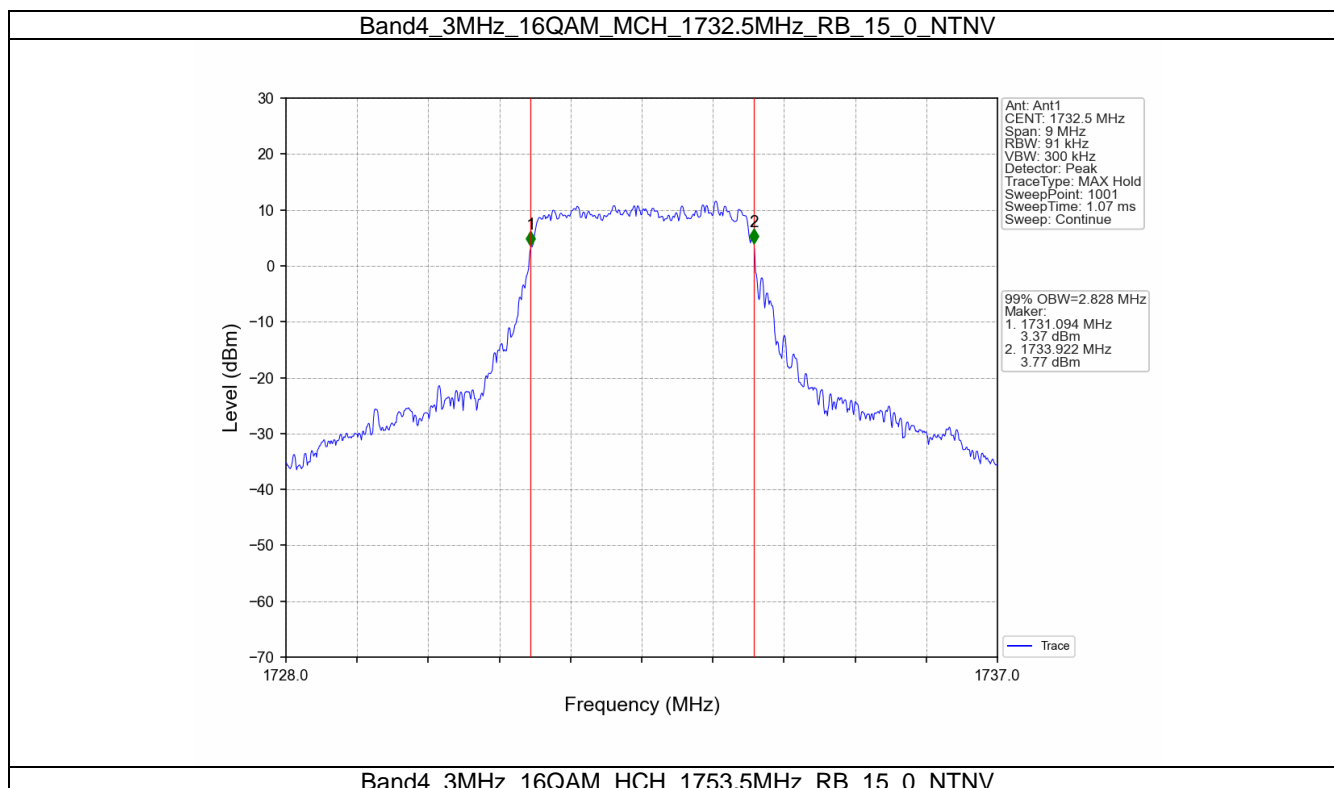


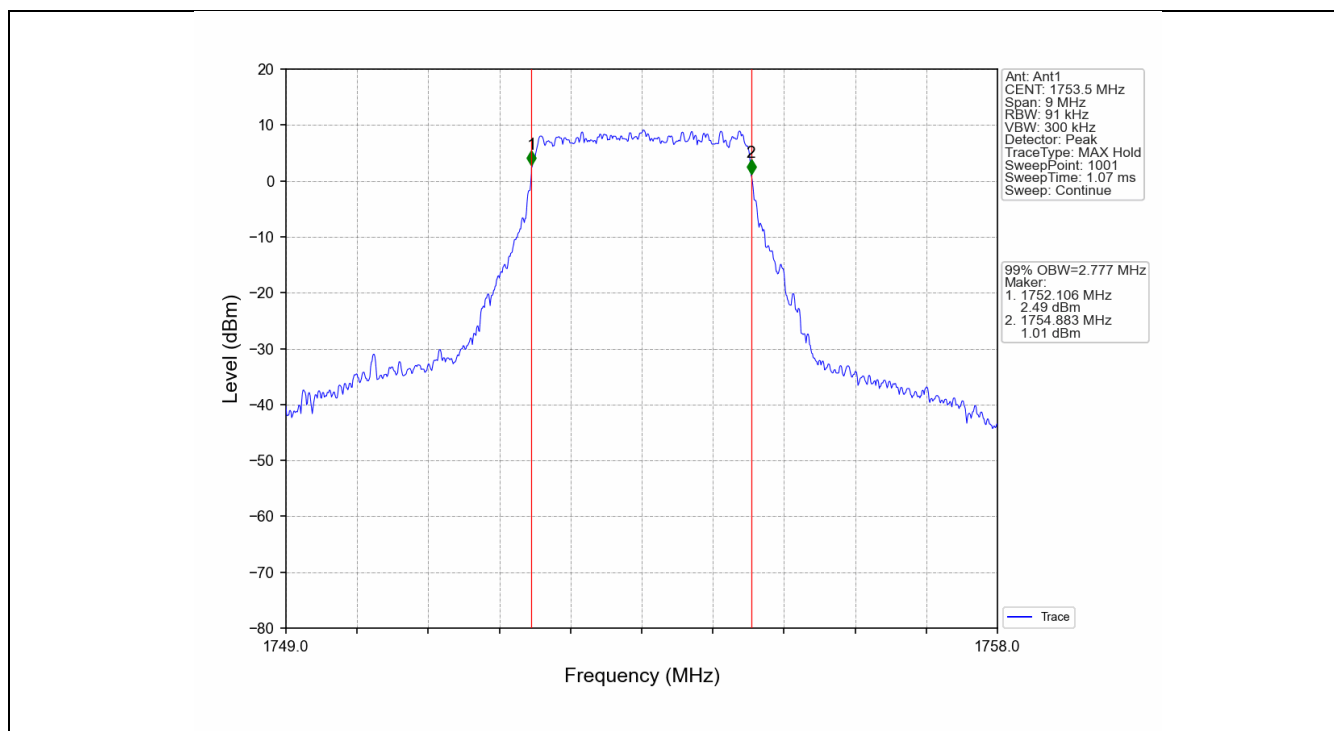


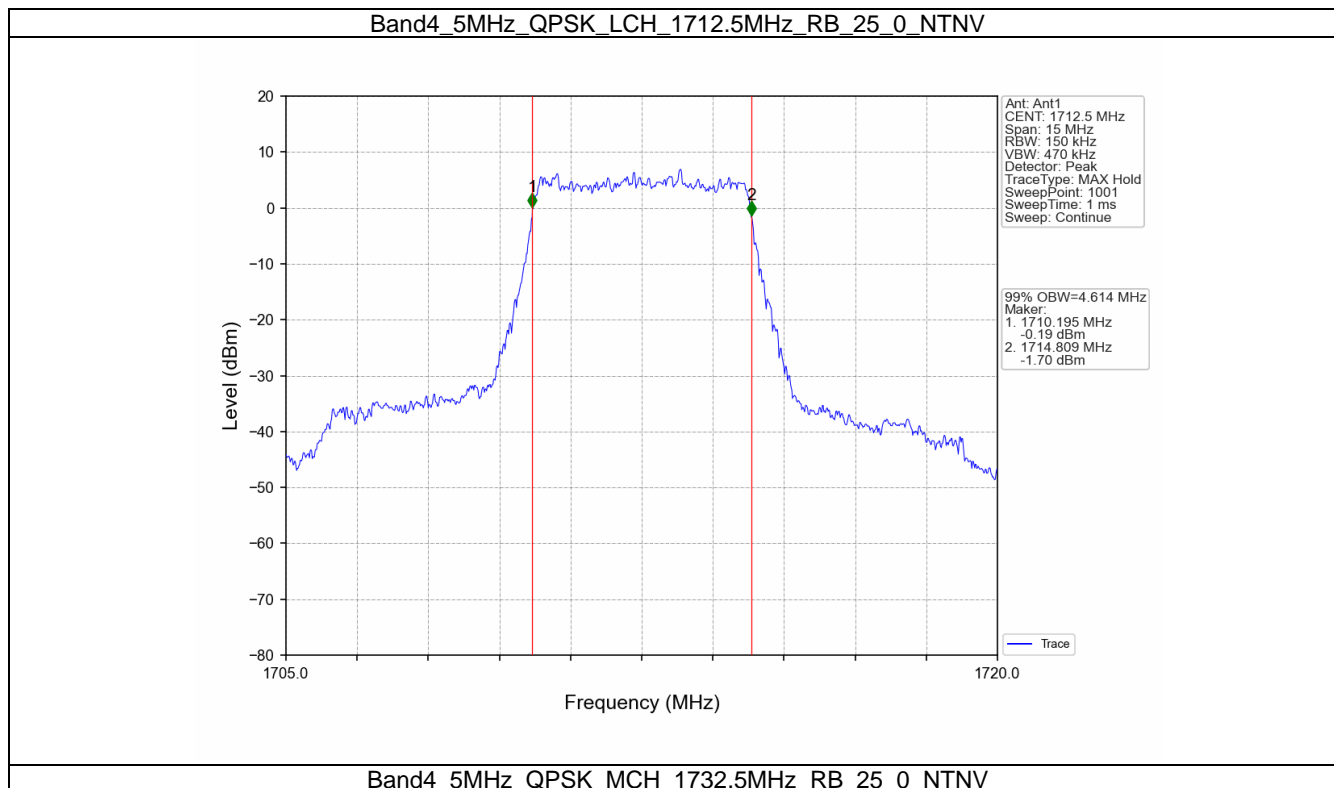


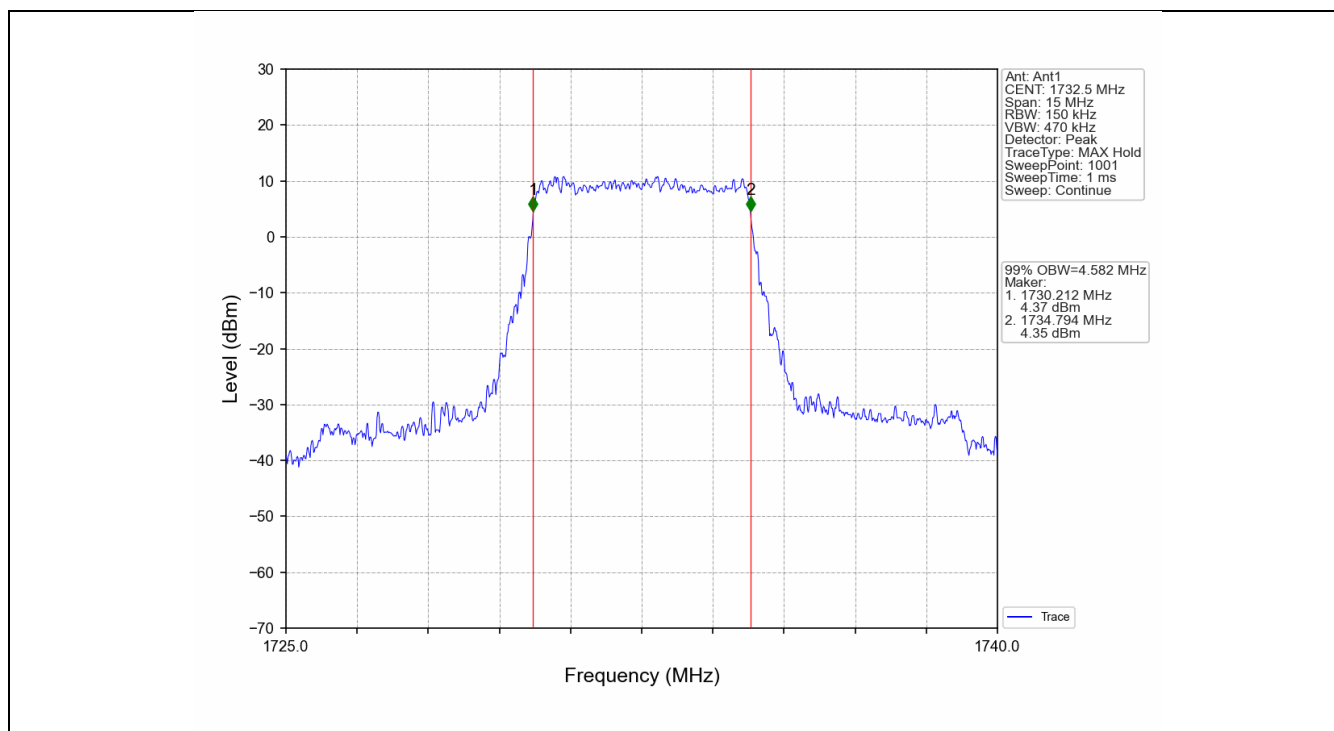


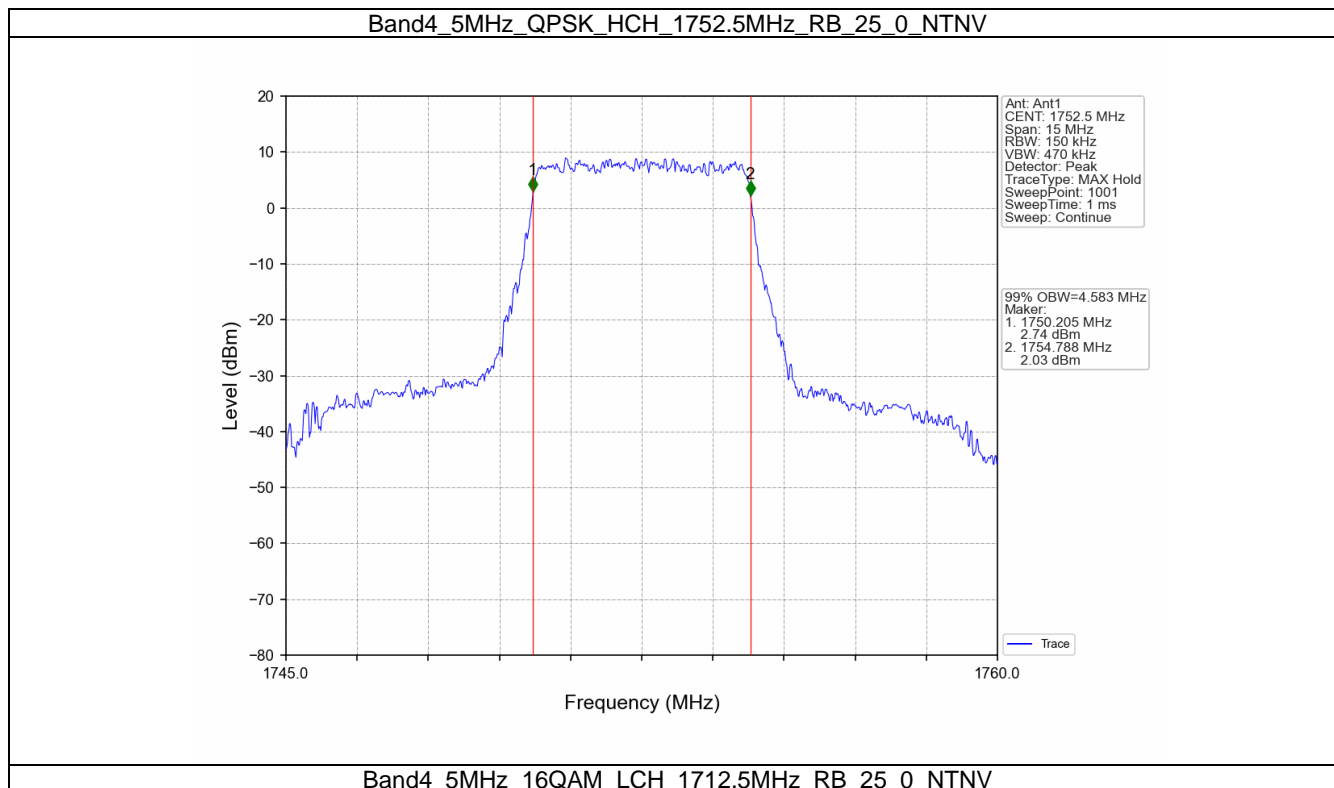






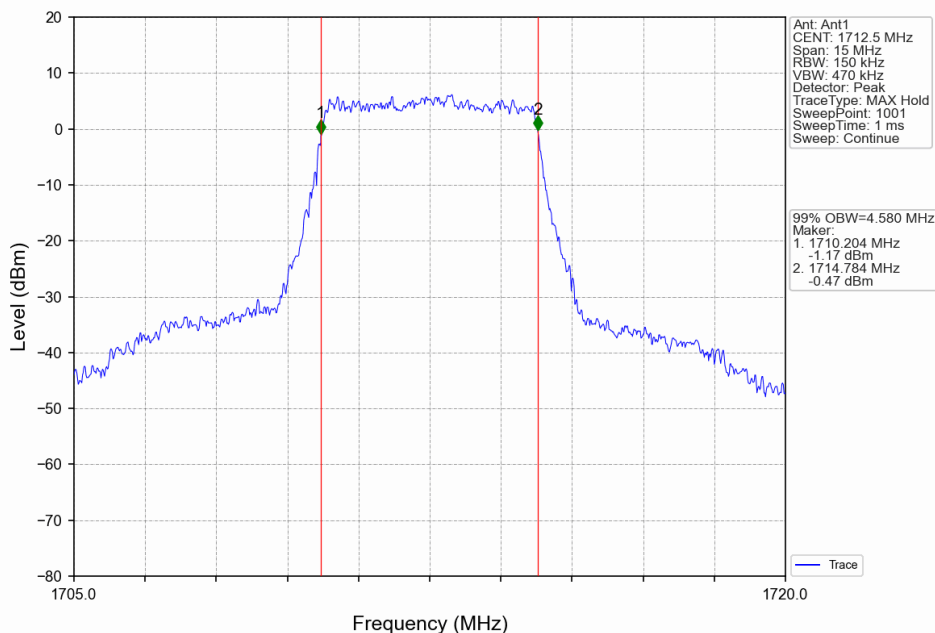






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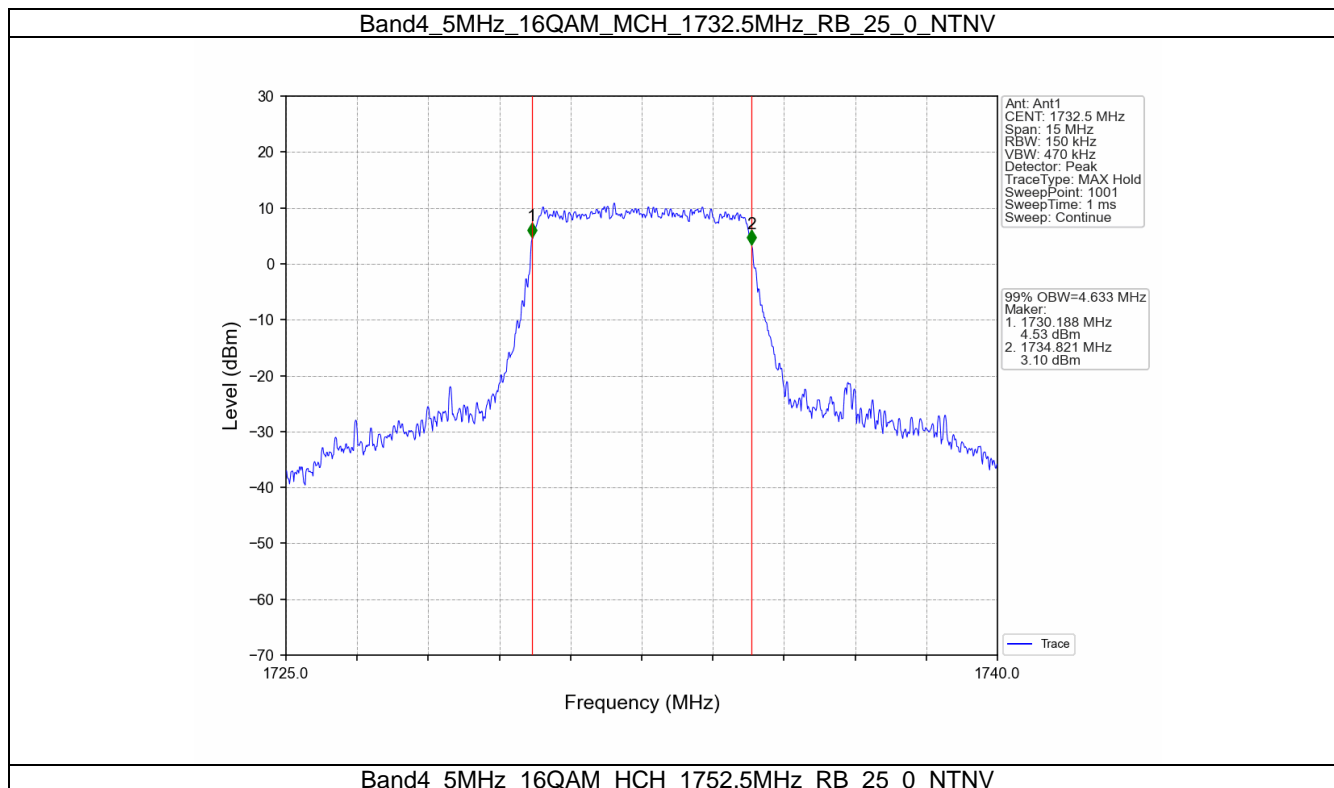


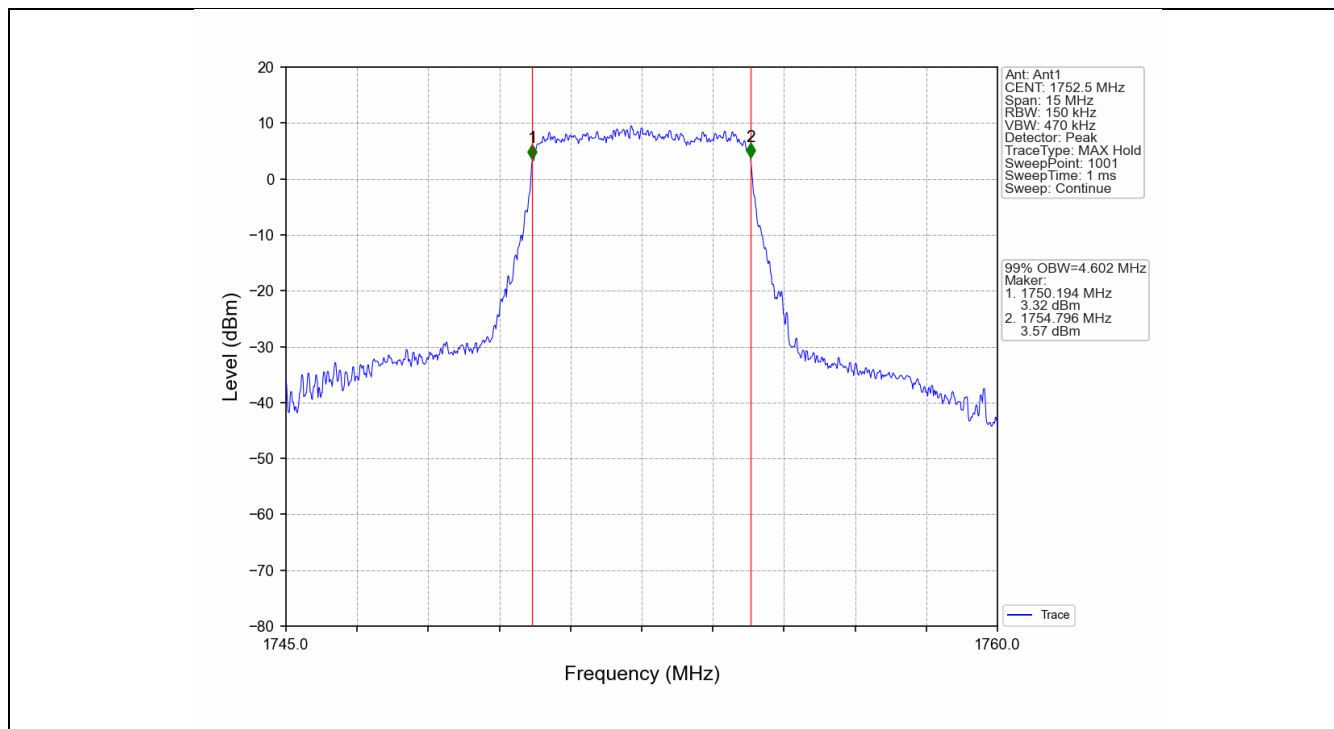
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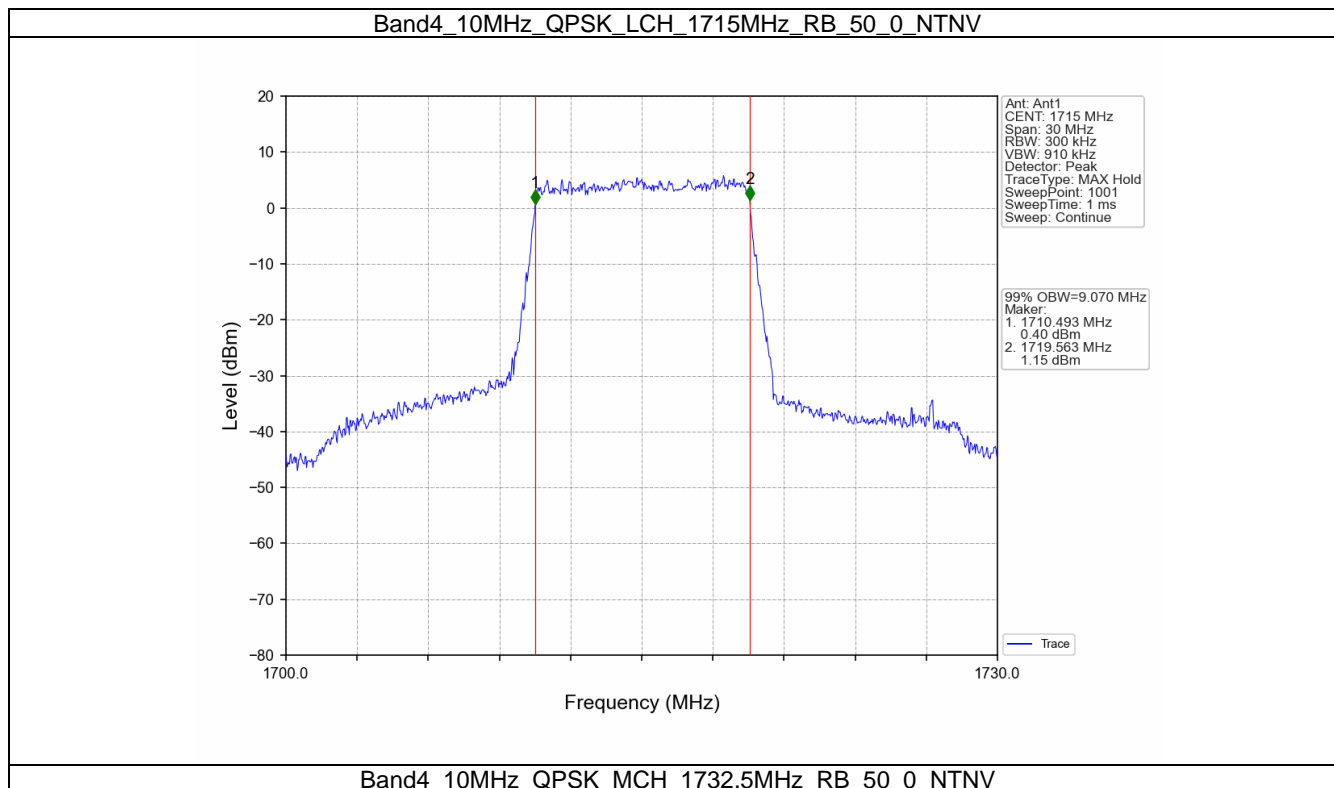
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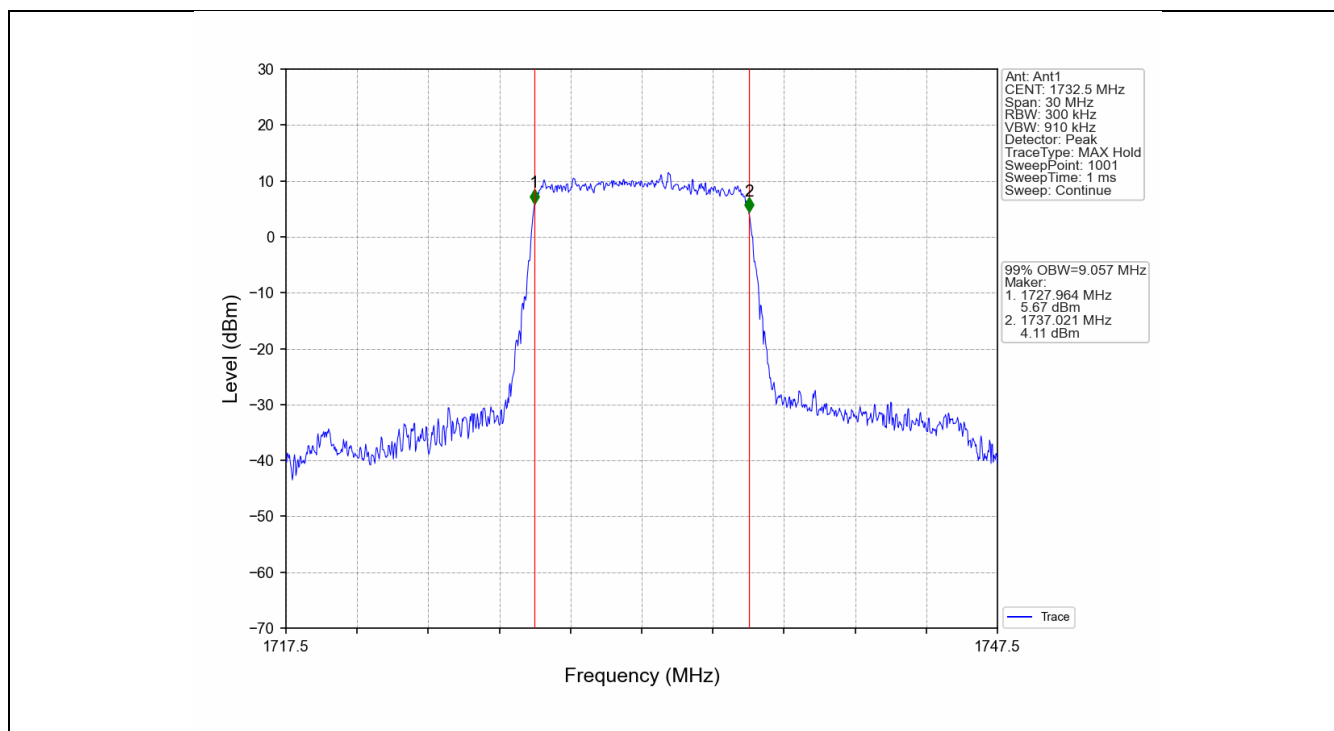
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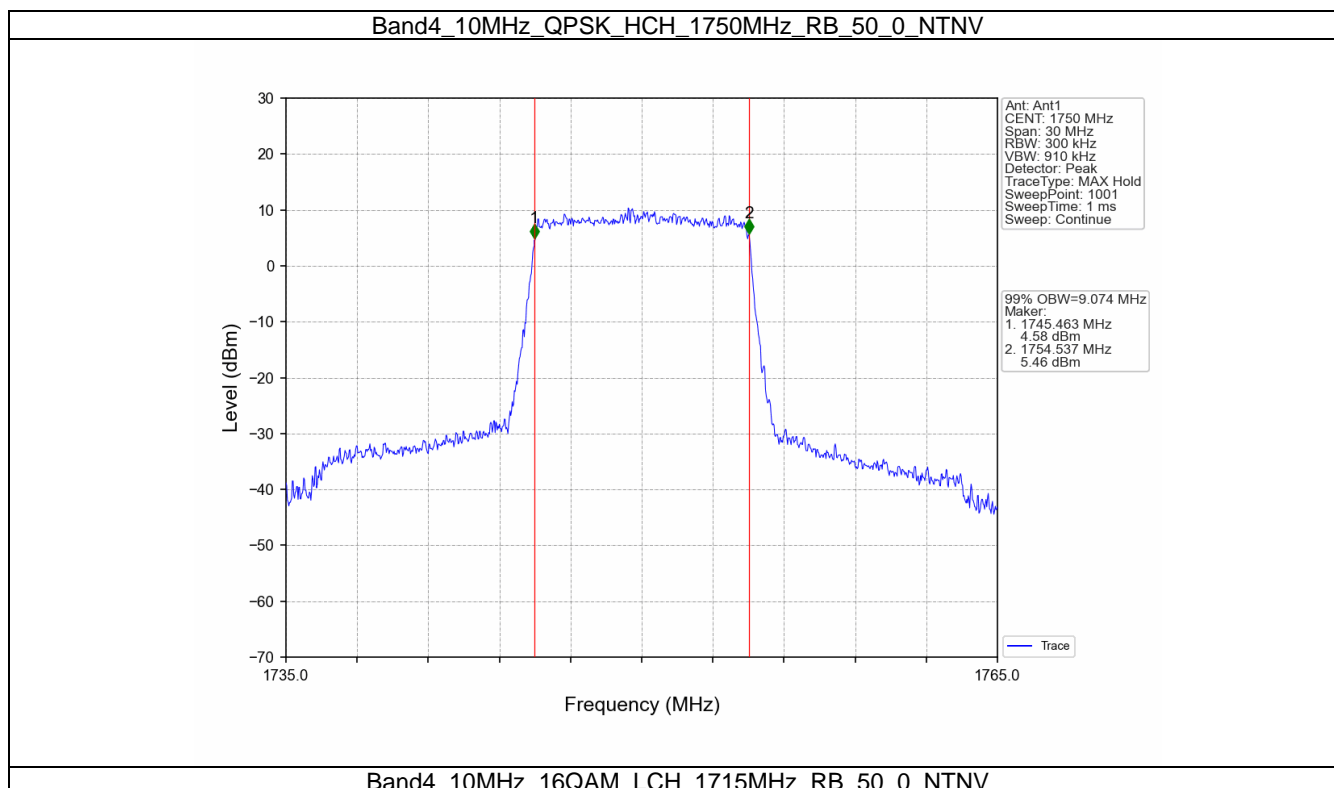
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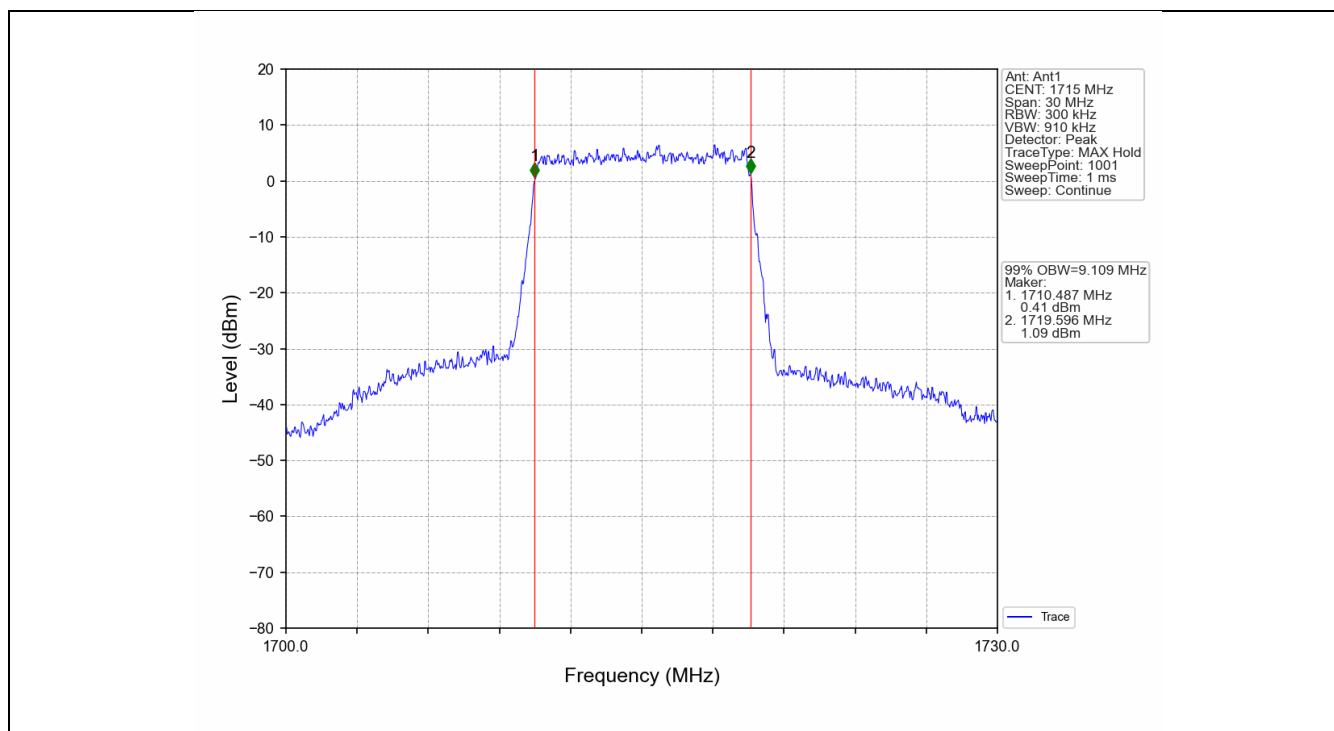


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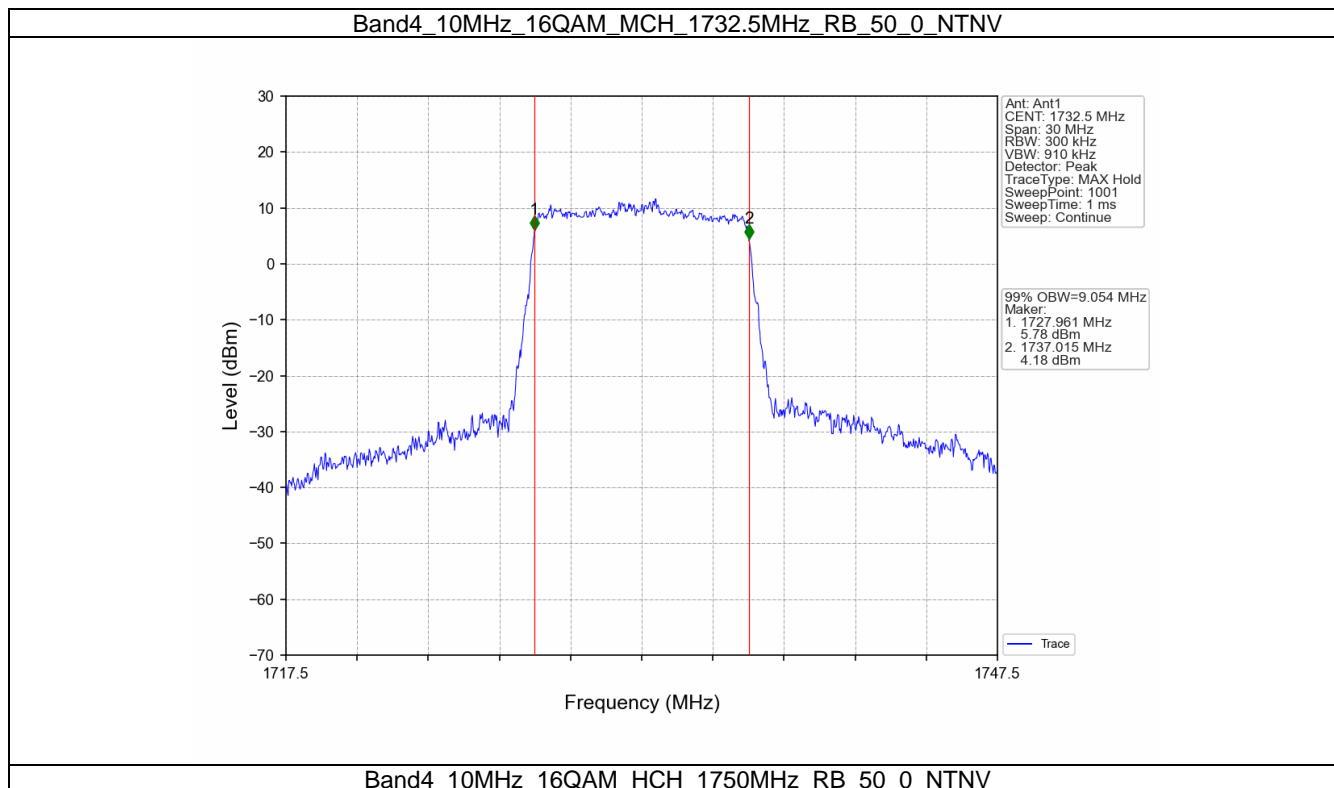


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