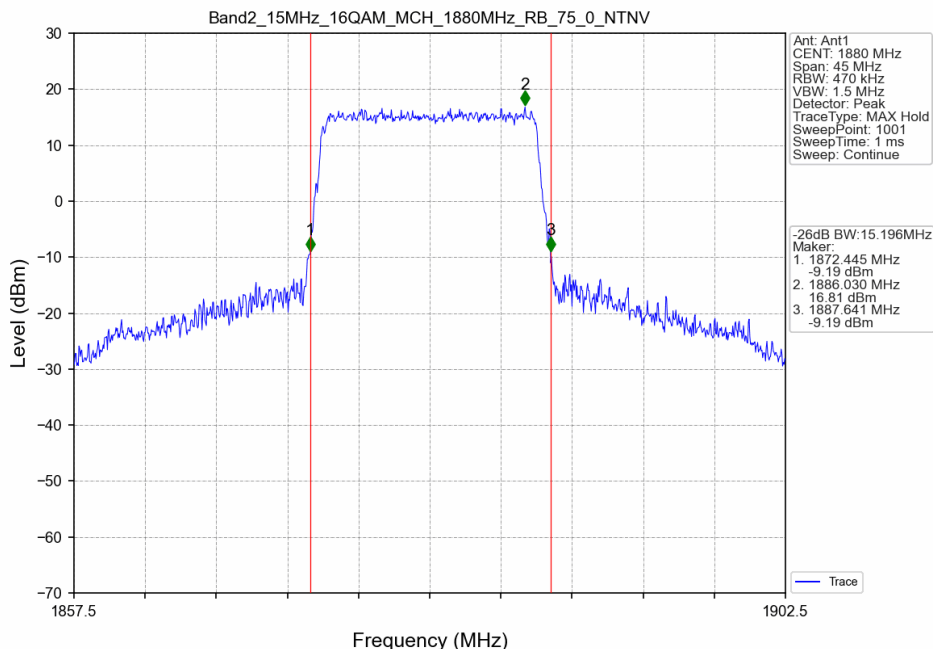
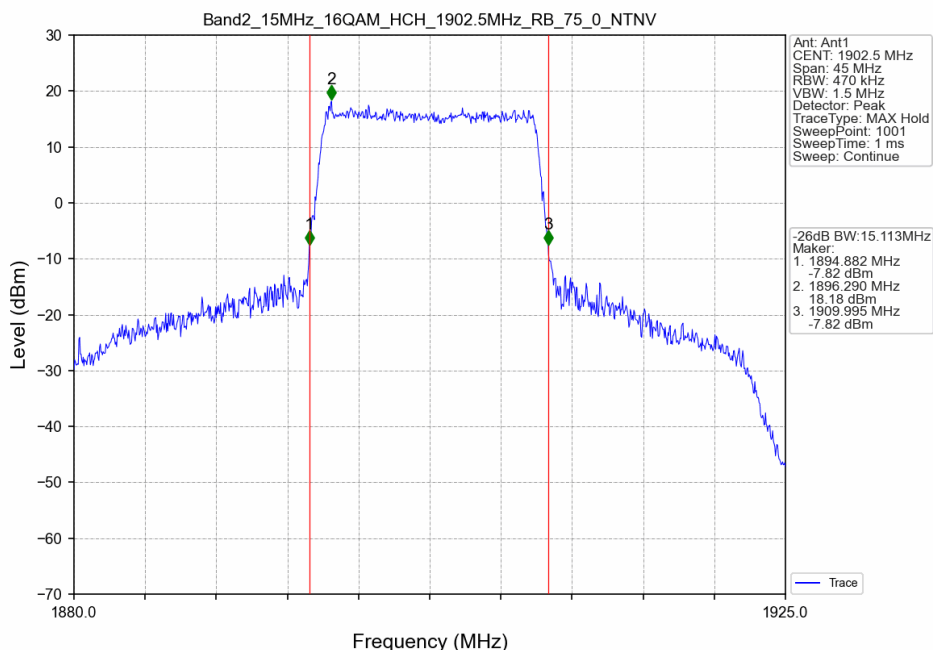


Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV



Band2_15MHz_16QAM_HCH_1902.5MHz_RB_75_0_NTNV

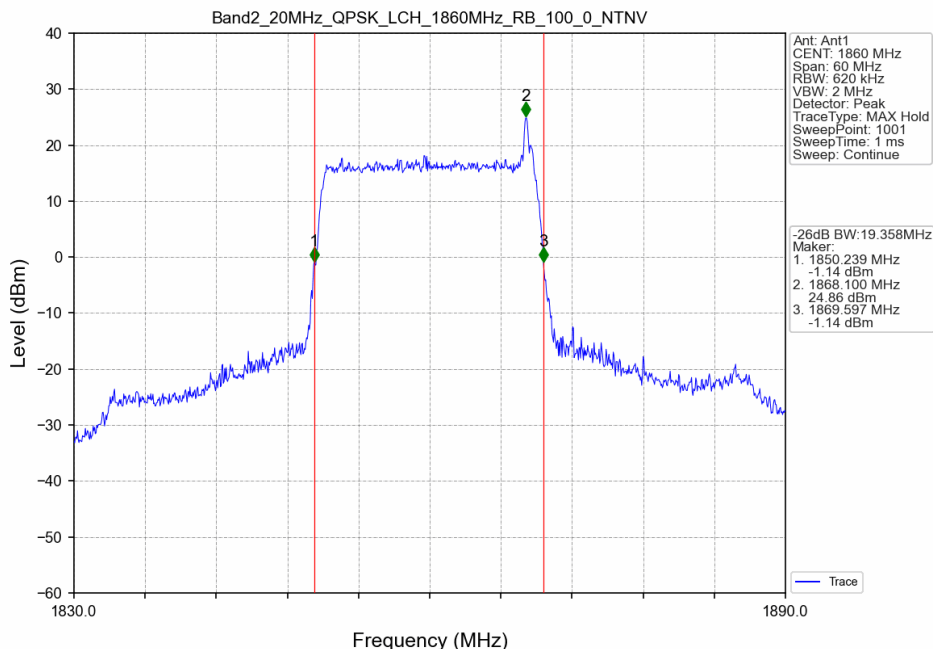


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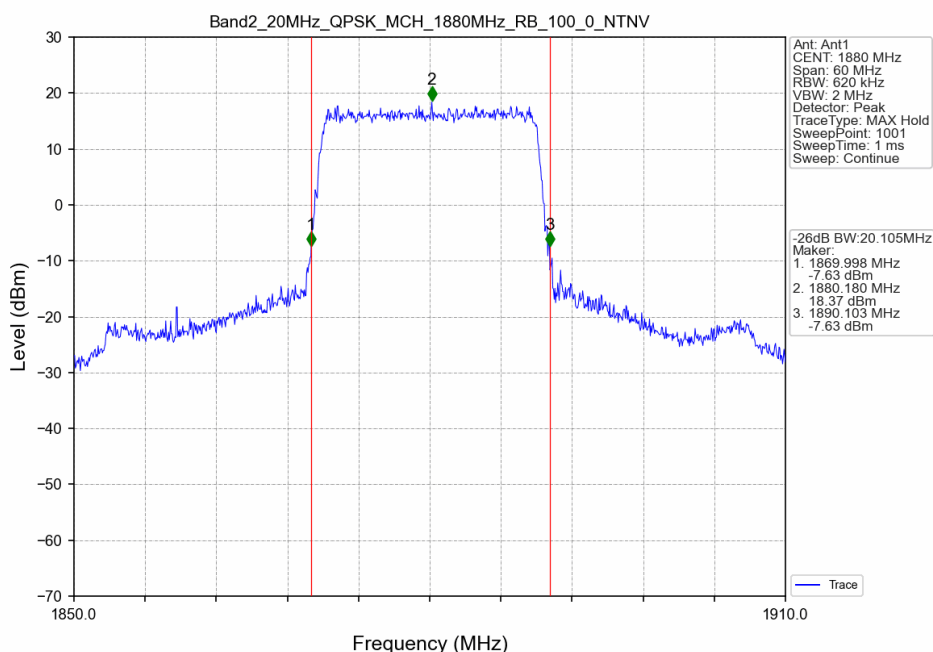
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Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV

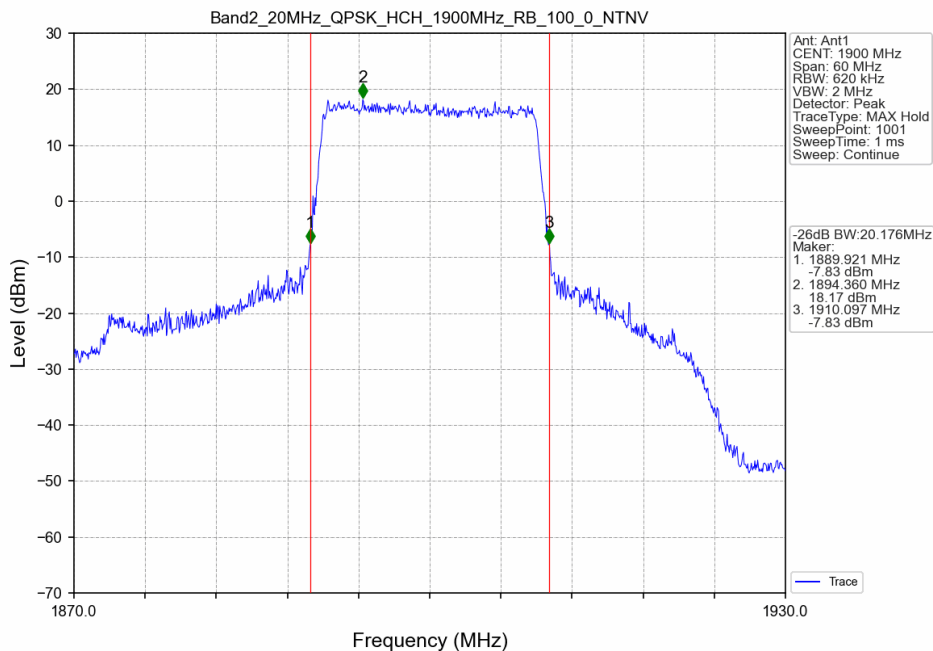


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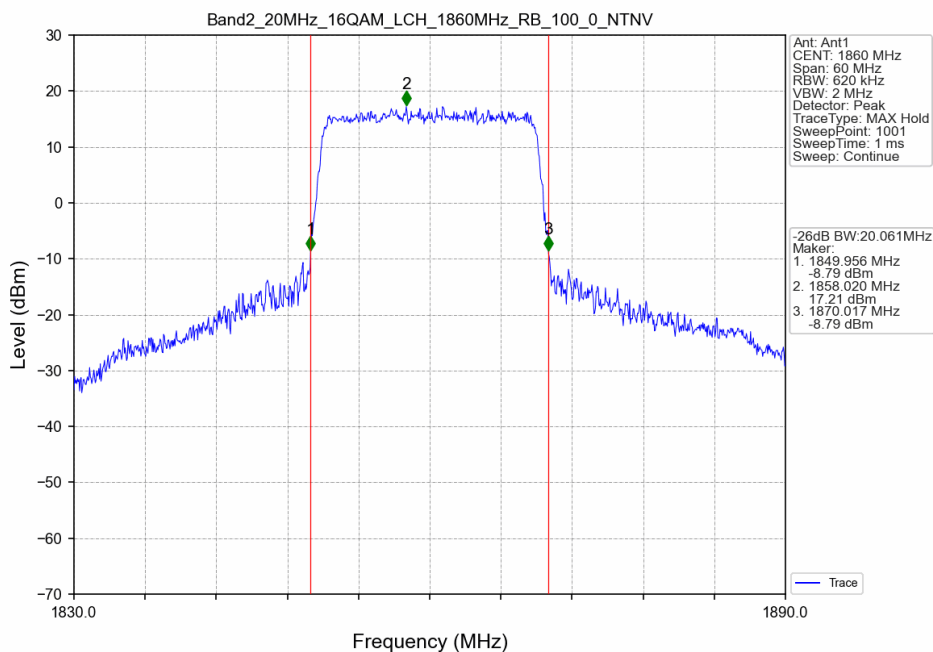
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Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV

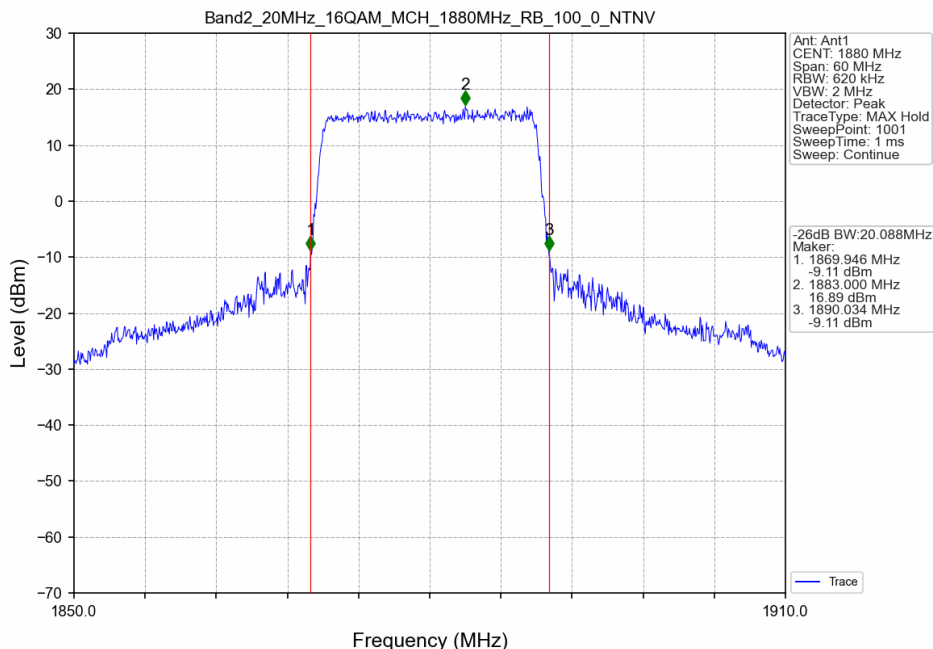


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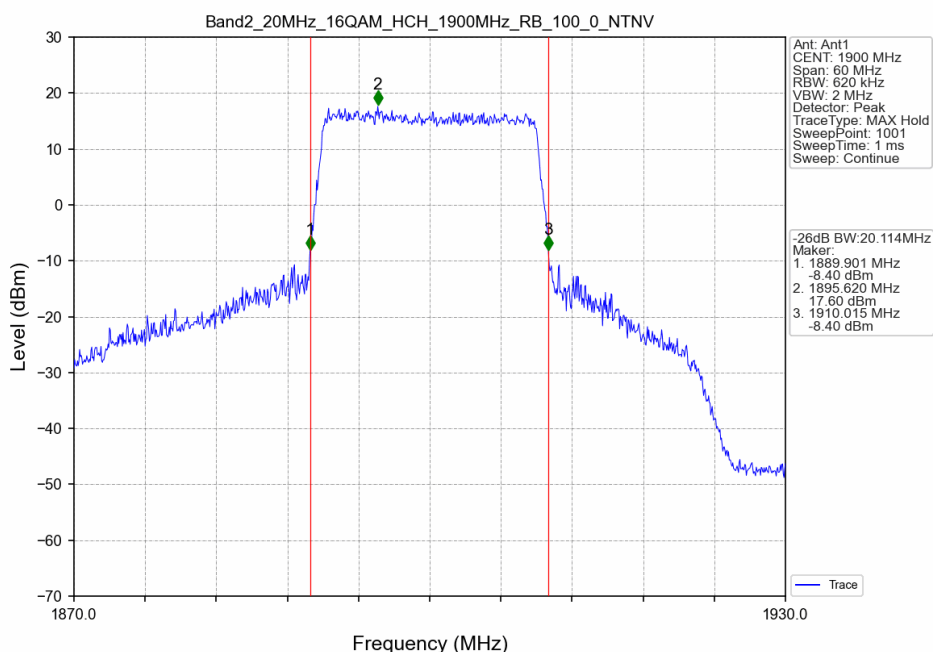
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Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV



Band2_20MHz_16QAM_HCH_1900MHz_RB_100_0_NTNV



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4. Peak-Average Ratio

4.1 Test Result

4.1.1 B2_20MHz

Band: 2 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.09	<=13	Pass
	1880	100	0	5.16	<=13	Pass
	1900	100	0	5.25	<=13	Pass
16QAM	1860	100	0	5.95	<=13	Pass
	1880	100	0	6.03	<=13	Pass
	1900	100	0	6.11	<=13	Pass



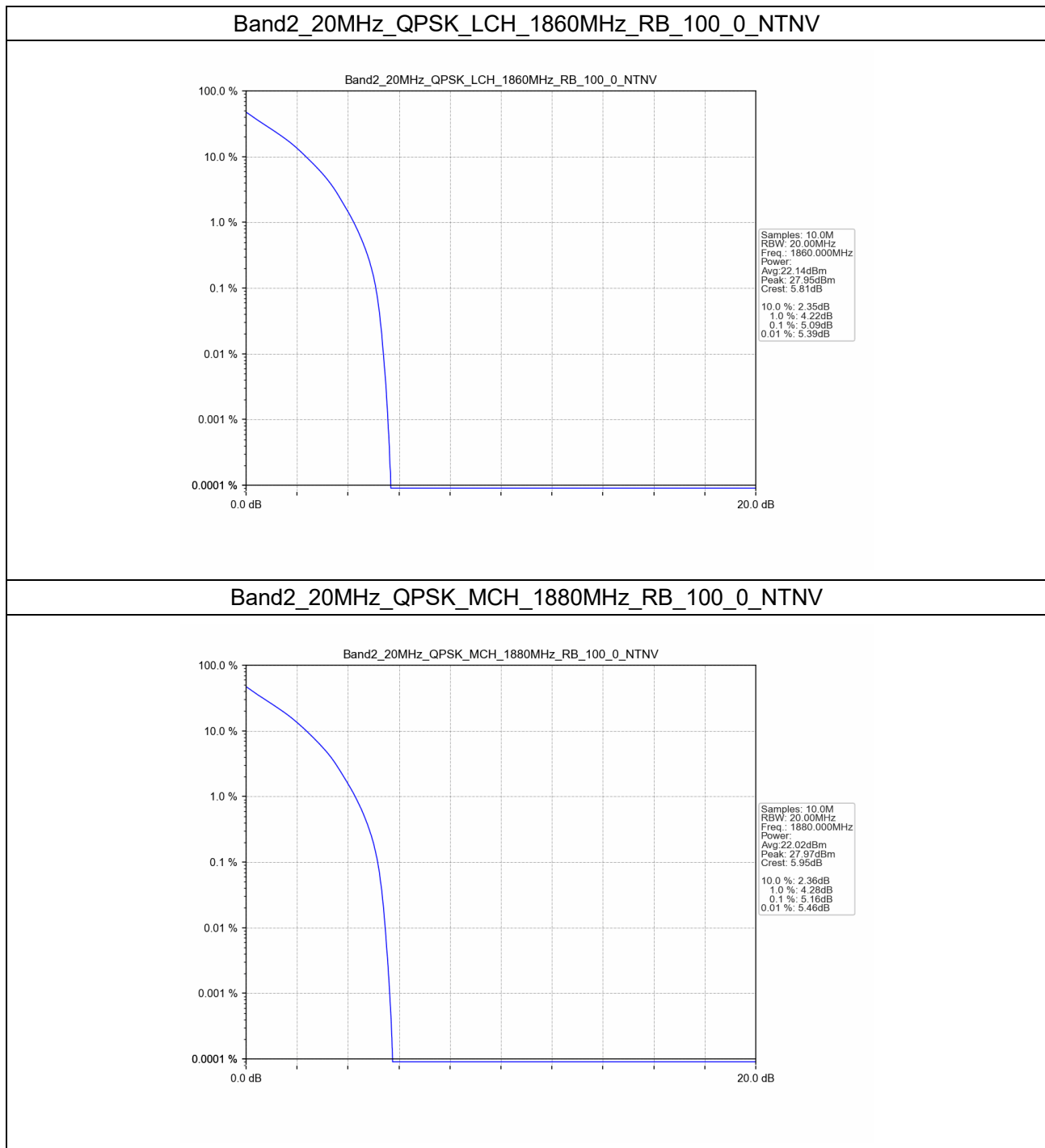
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4.2 Test Graph

4.2.1 B2_20MHz

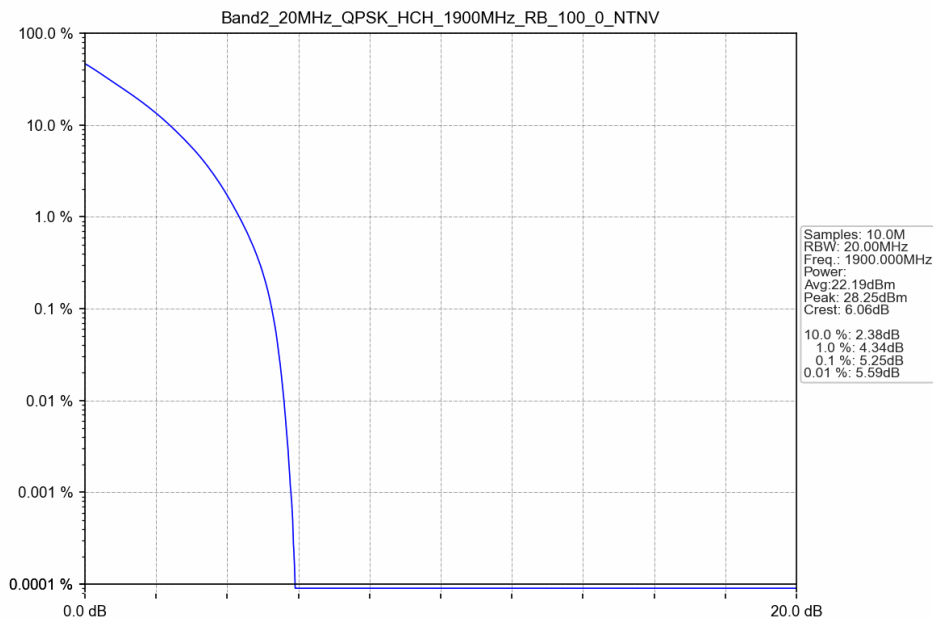


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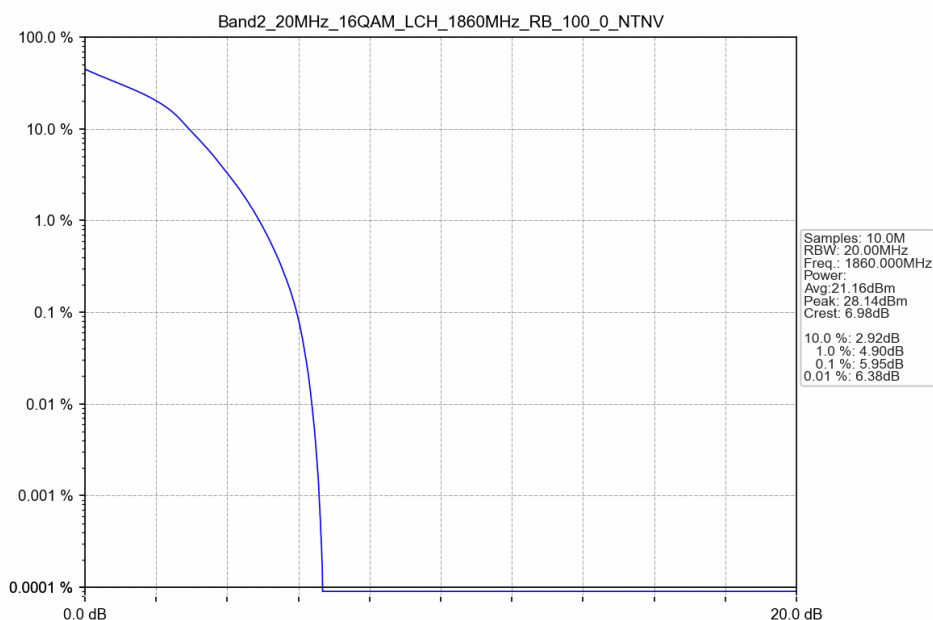
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Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV

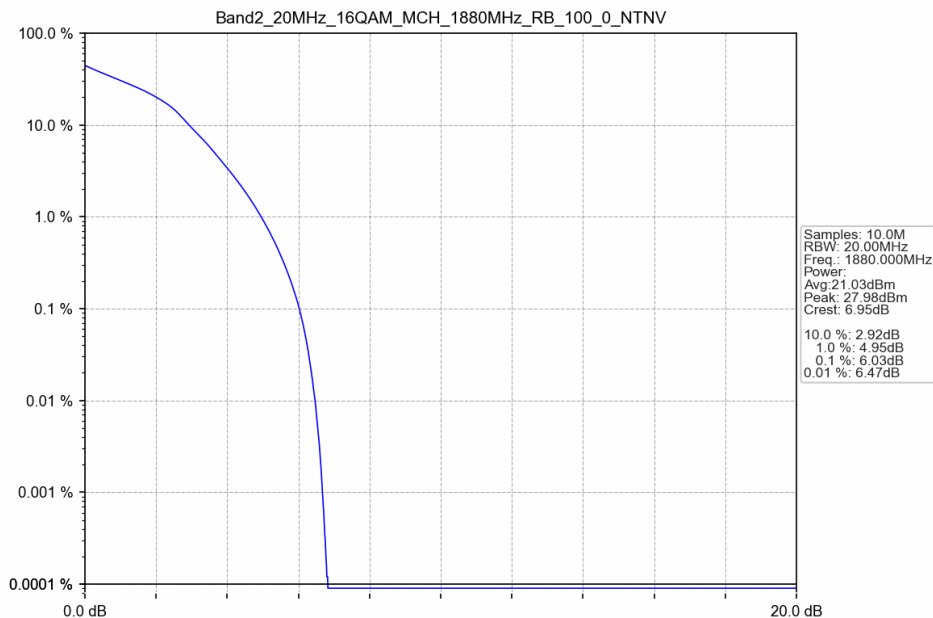


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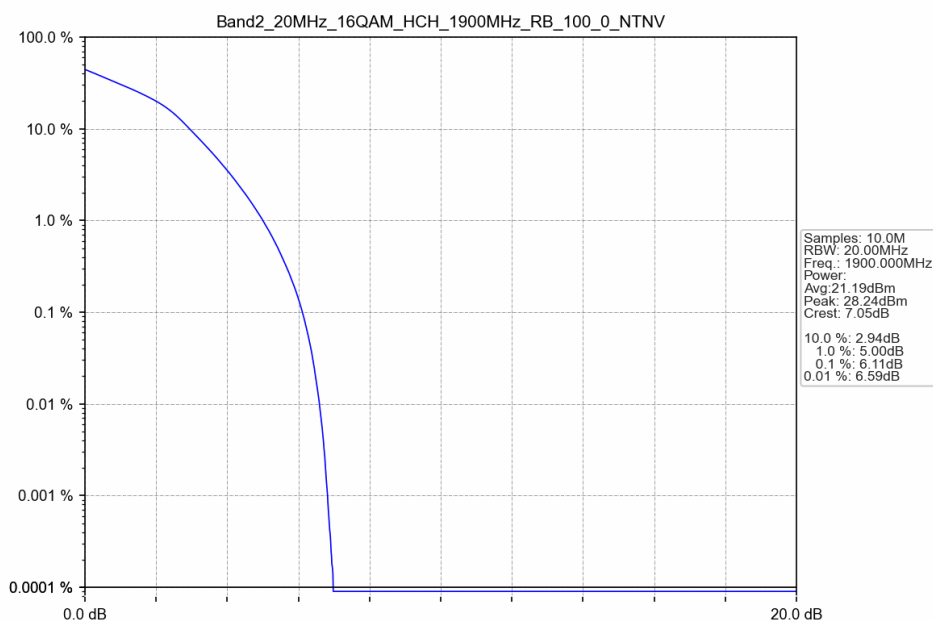
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Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV



Band2_20MHz_16QAM_HCH_1900MHz_RB_100_0_NTNV



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5. Spurious Emission

5.1 Test Result

5.1.1 B2_1.4MHz

Band: 2 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	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

5.1.2 B2_3MHz

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	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

5.1.3 B2_5MHz

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	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



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		24	Refer To Test Graph	Pass
	25	0	Refer To Test Graph	Pass

5.1.4 B2_10MHz

Band: 2 / Bandwidth: 10MHz / NTV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	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

5.1.5 B2_15MHz

Band: 2 / Bandwidth: 15MHz / NTV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	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

5.1.6 B2_20MHz

Band: 2 / Bandwidth: 20MHz / NTV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	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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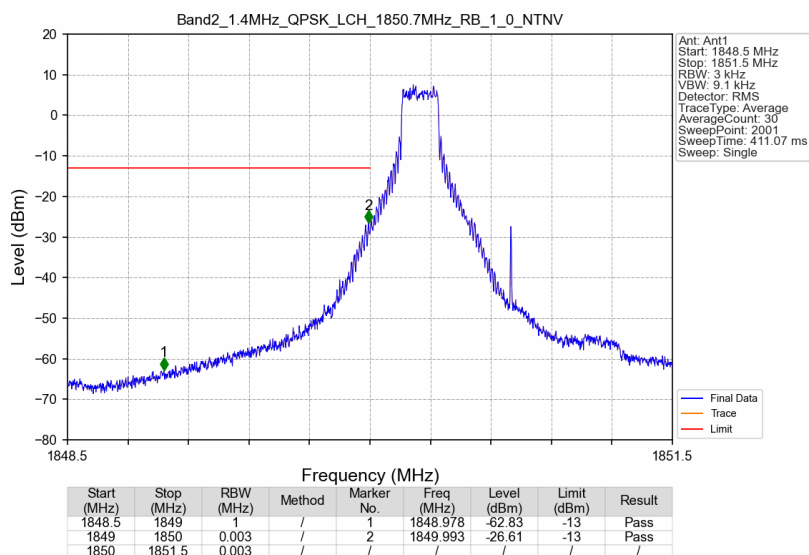
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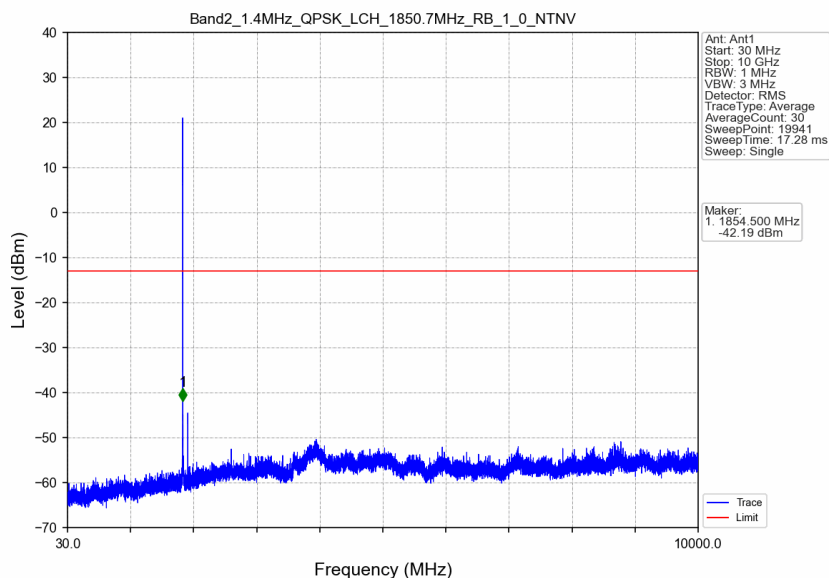
5.2 Test Graph

5.2.1 B2_1.4MHz

Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV

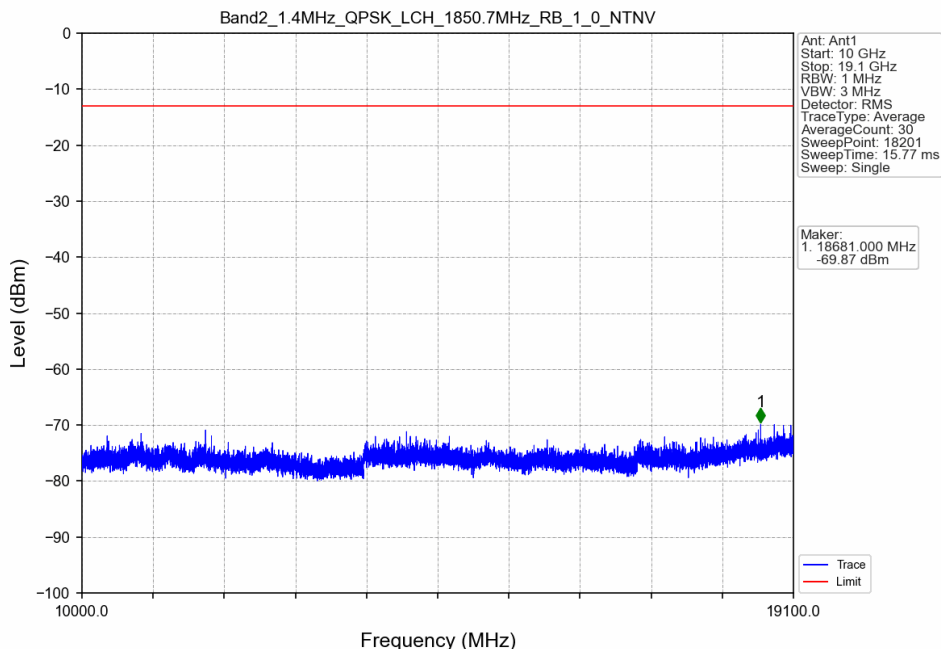


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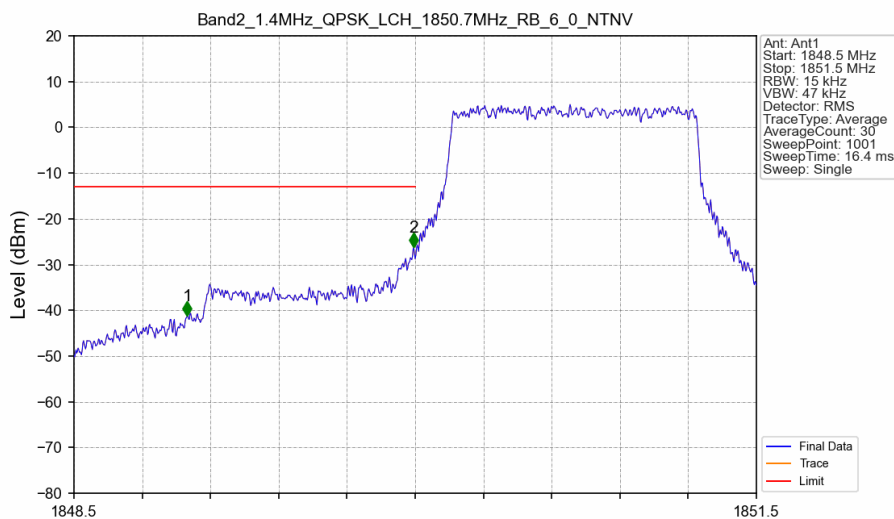
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Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.998	-41.23	-13	Pass
1849	1850	0.015	/	2	1849.994	-26.24	-13	Pass
1850	1851.5	0.015	/	/	/	/	/	/

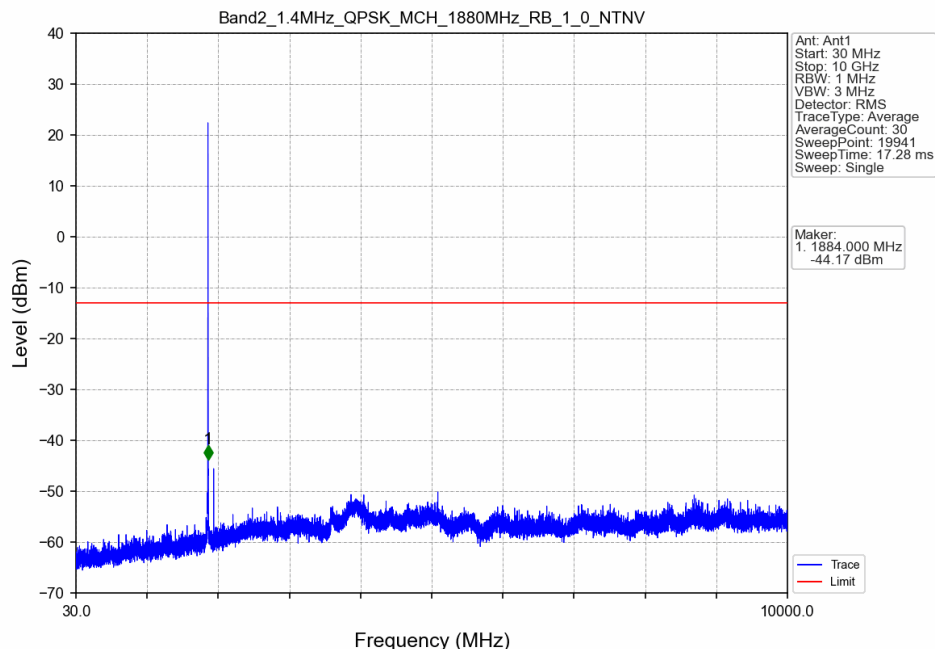


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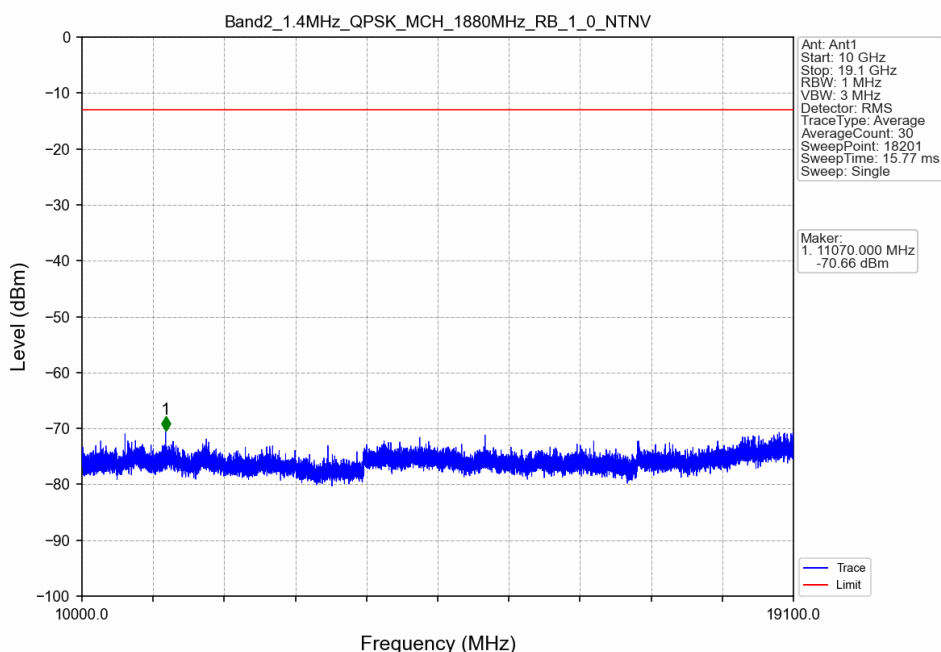
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Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV

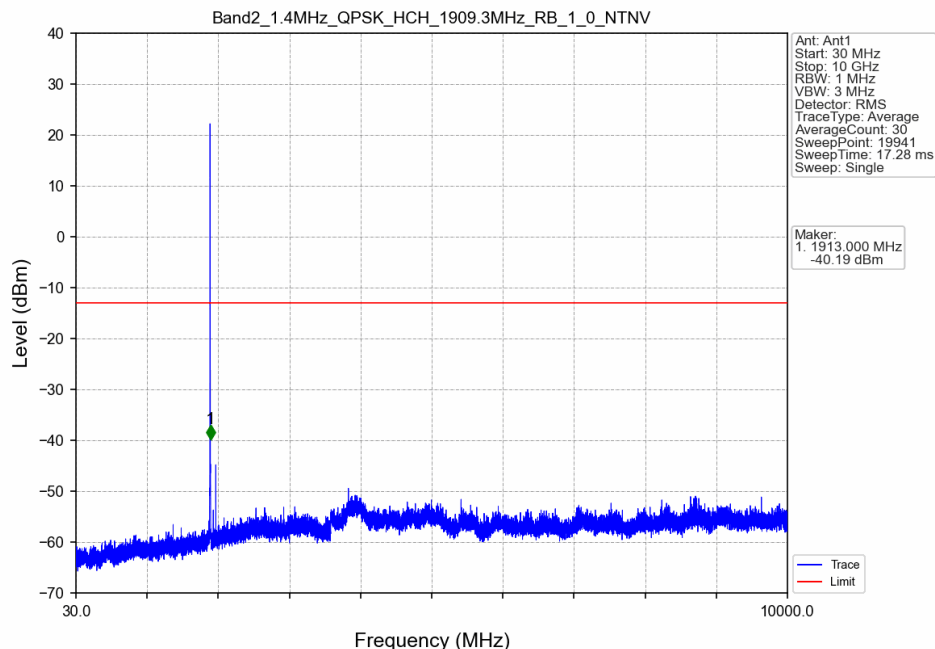


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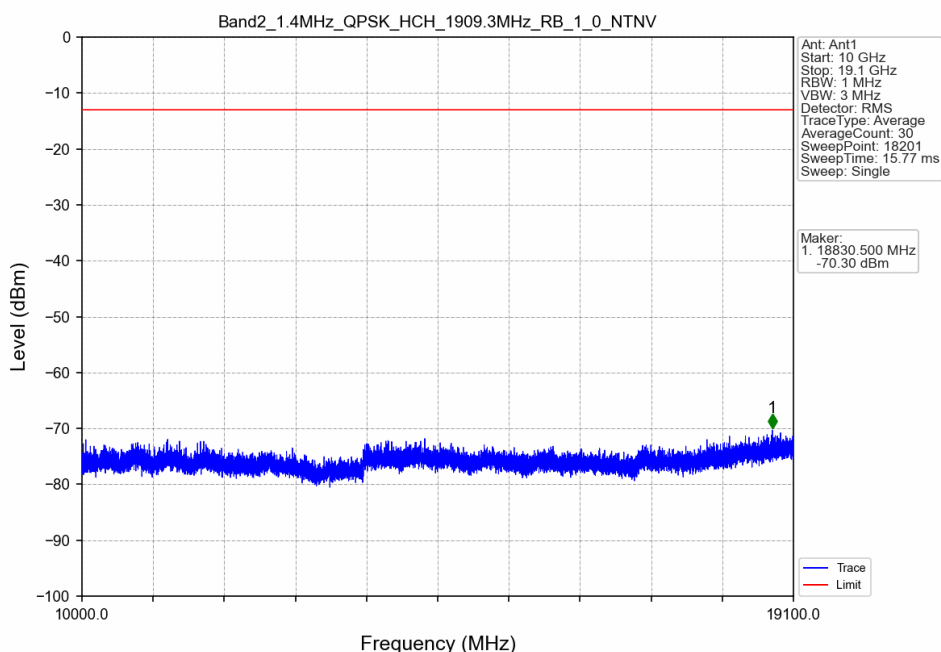
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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV



Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV

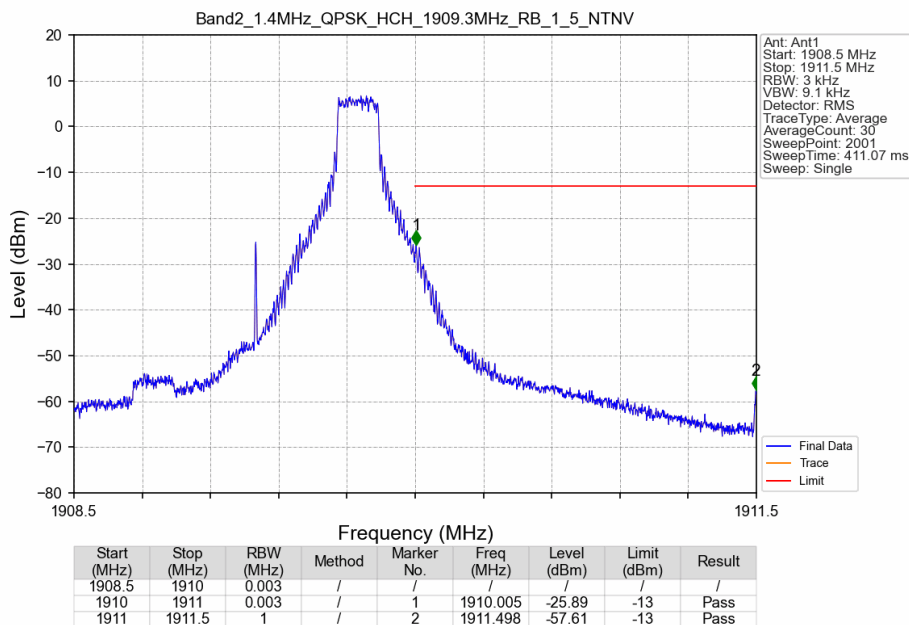


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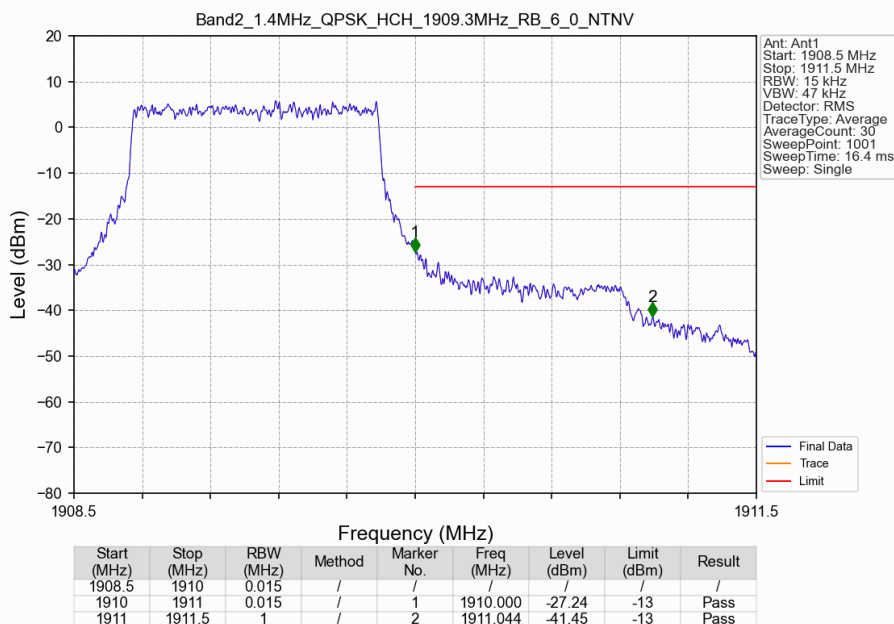
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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_5_NTNV



Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



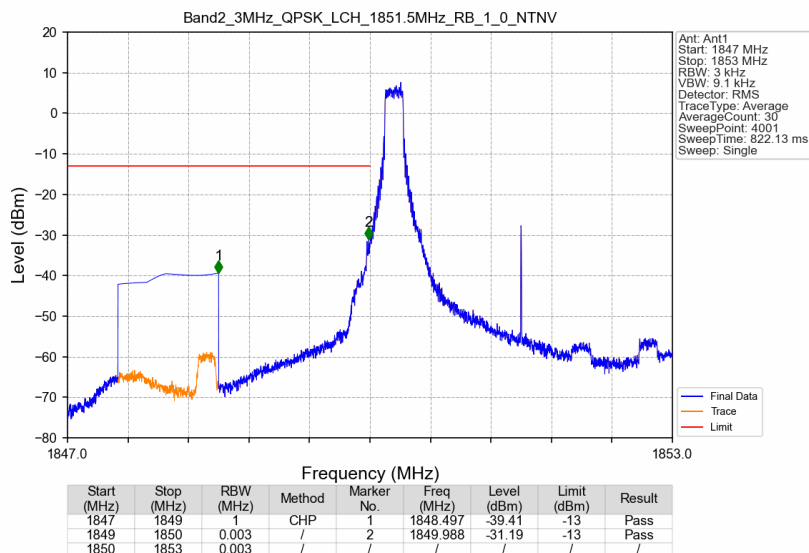
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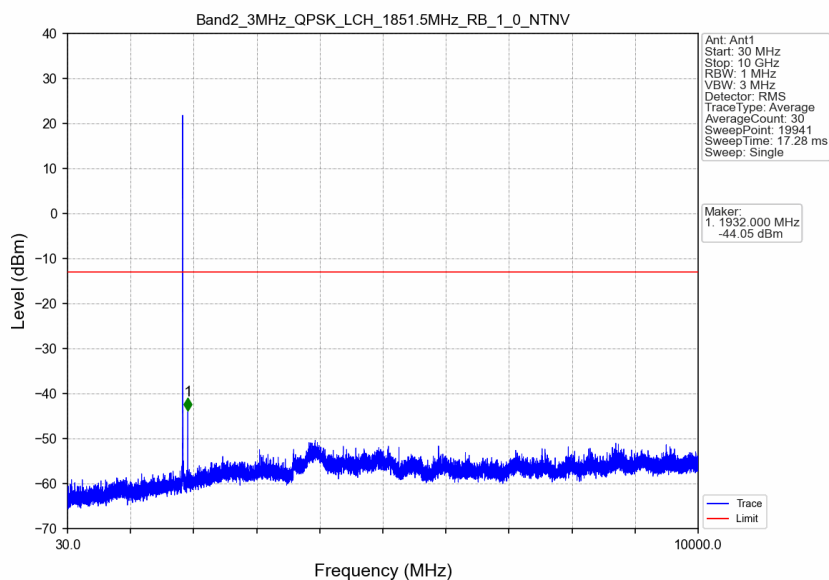
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5.2.2 B2_3MHz

Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV



Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV

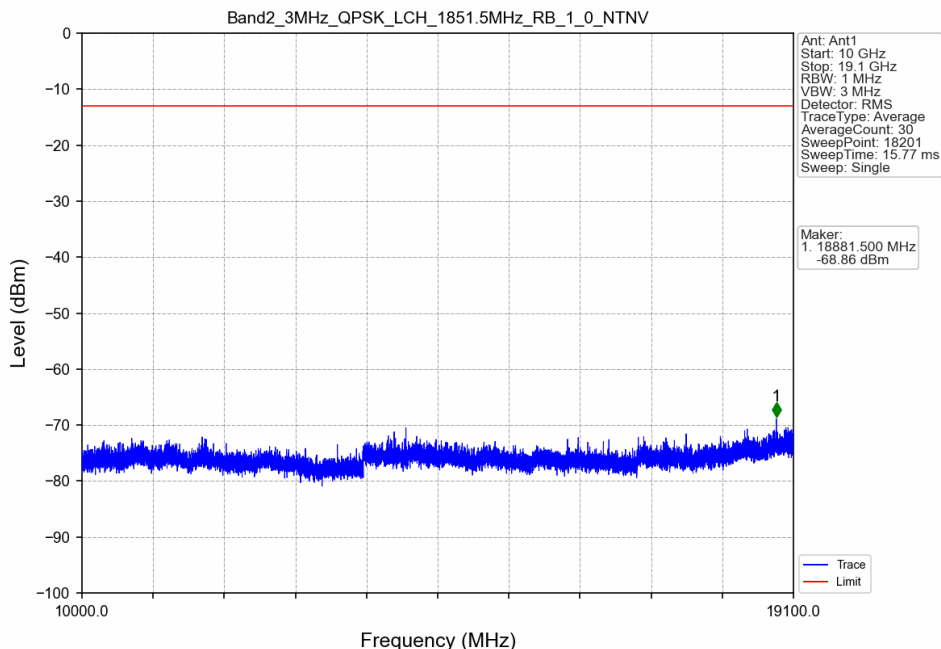


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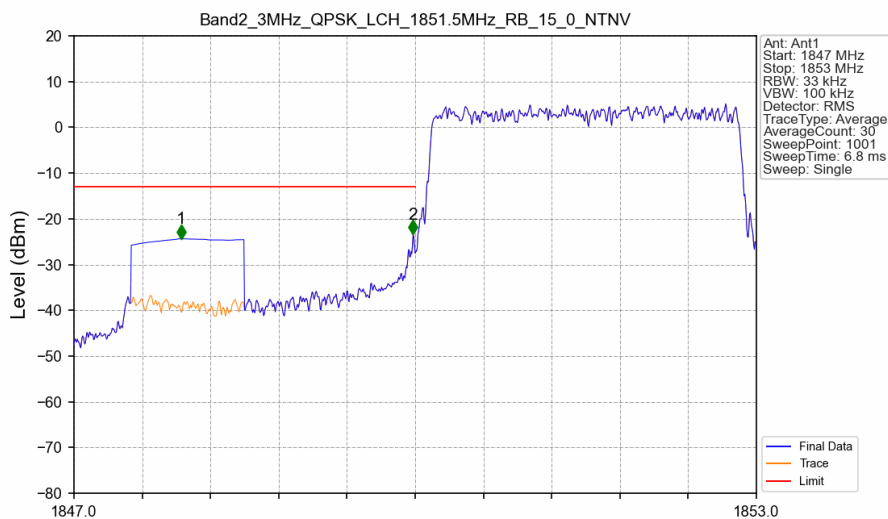
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Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV



Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1847.942	-24.36	-13	Pass
1849	1850	0.033	/	2	1849.982	-23.44	-13	Pass
1850	1853	0.033	/	/	/	/	/	/

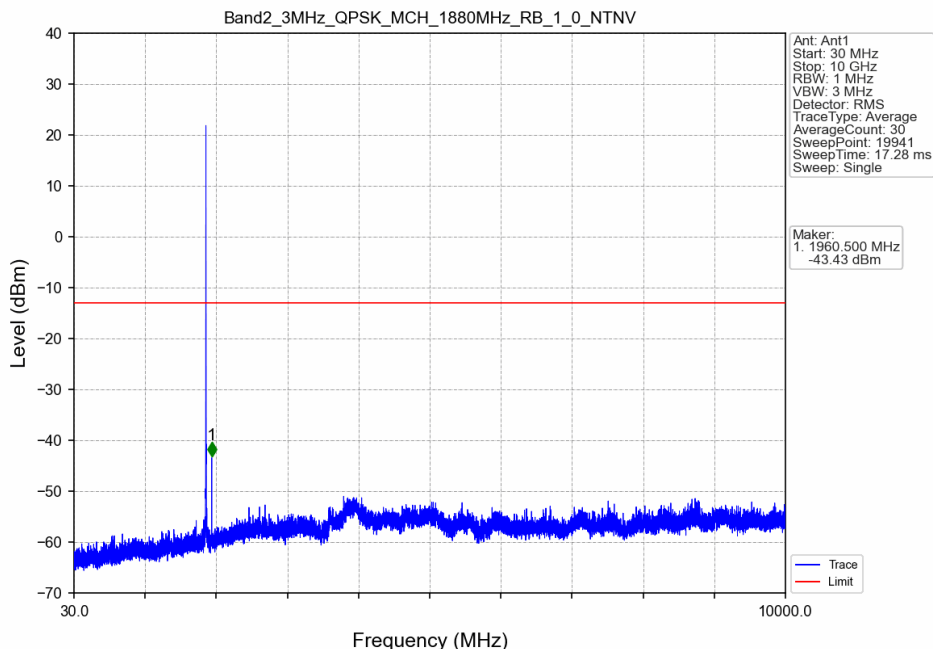


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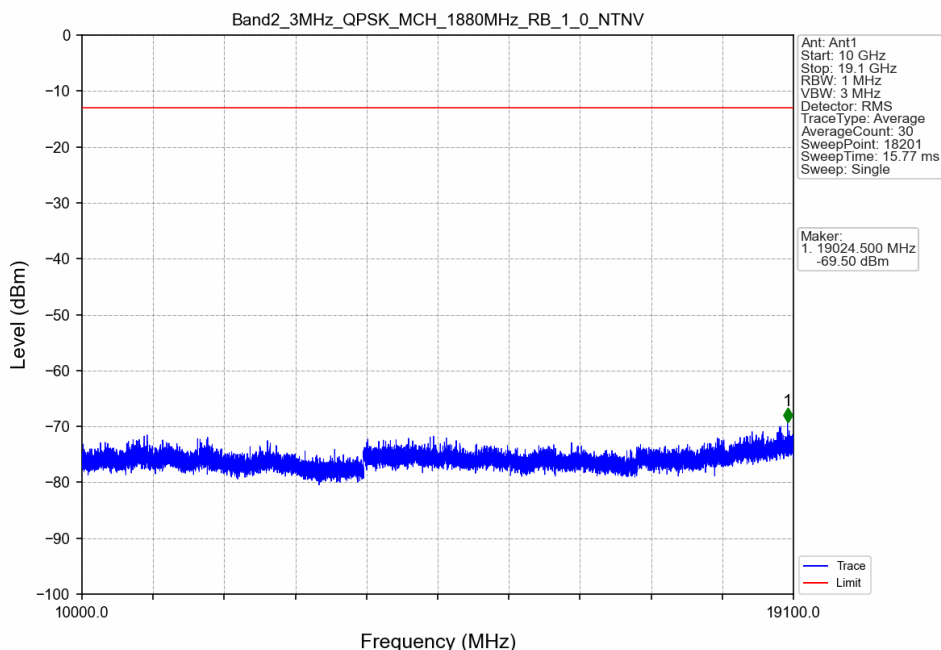
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Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV

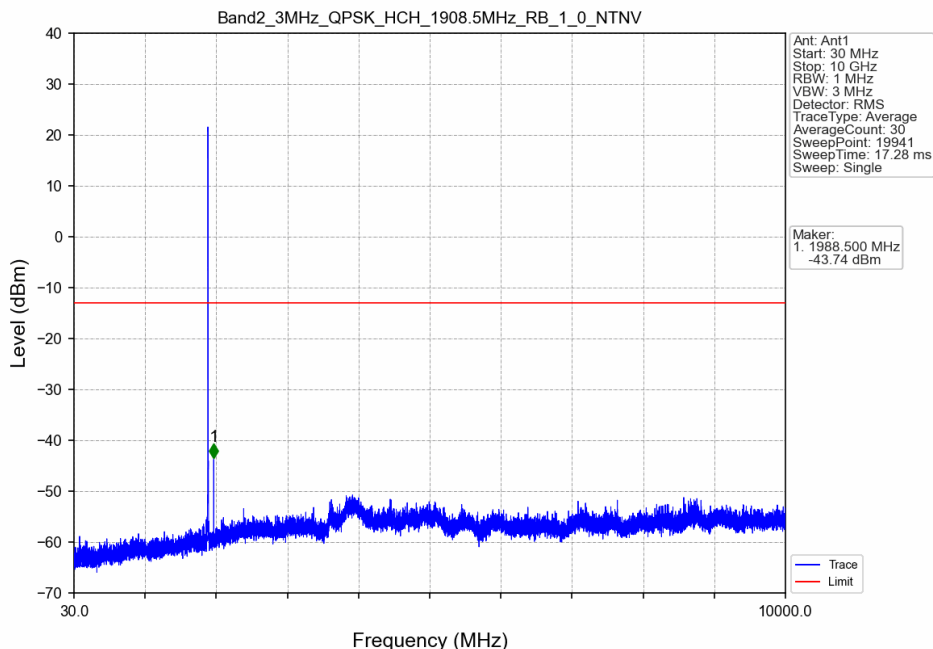


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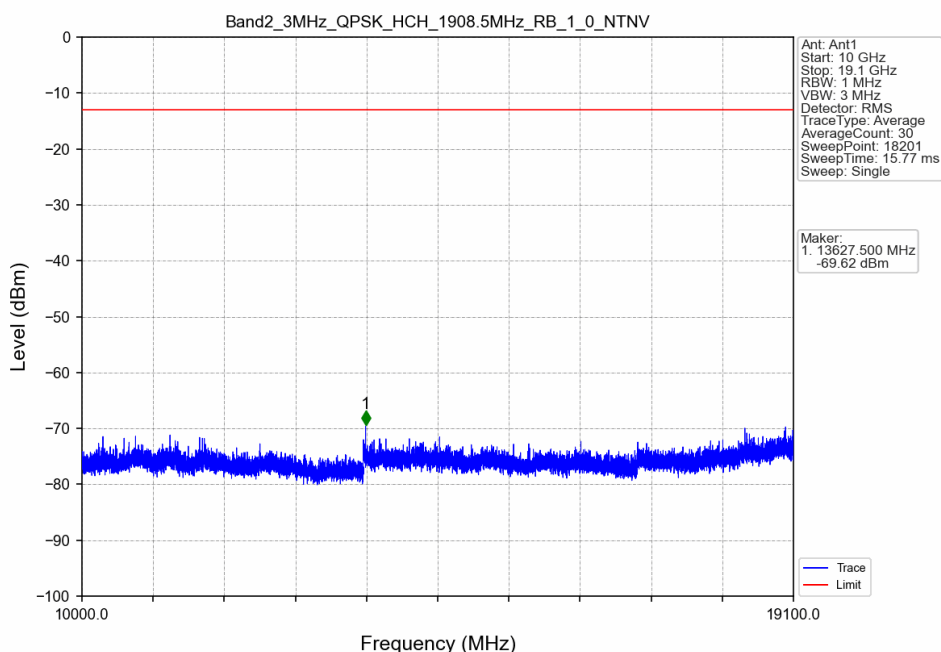
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Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_0_NTNV



Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_0_NTNV

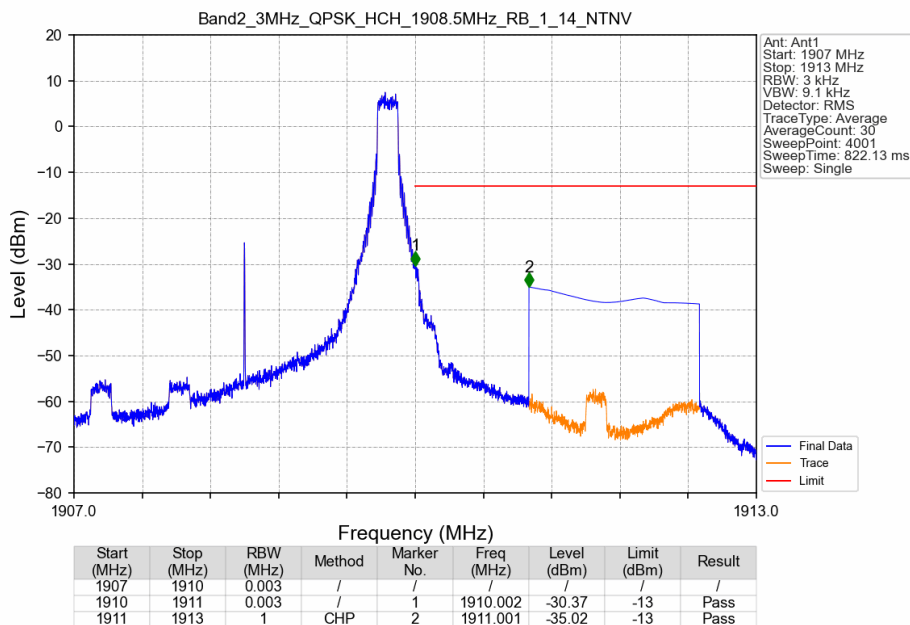


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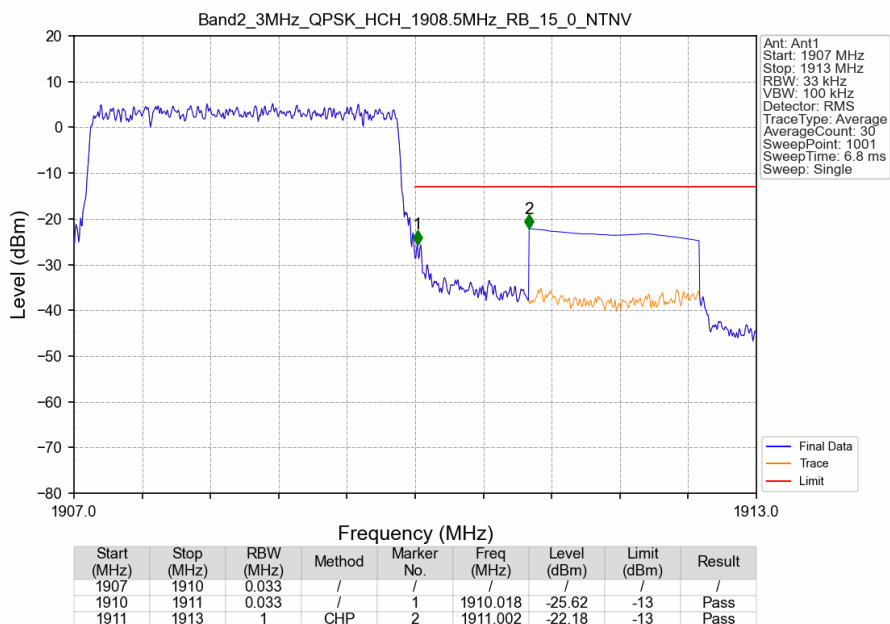
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Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_14_NTNV



Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



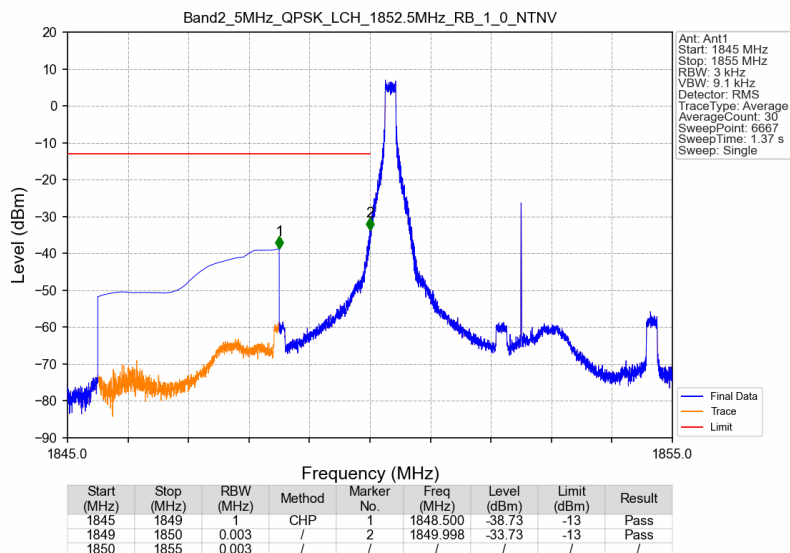
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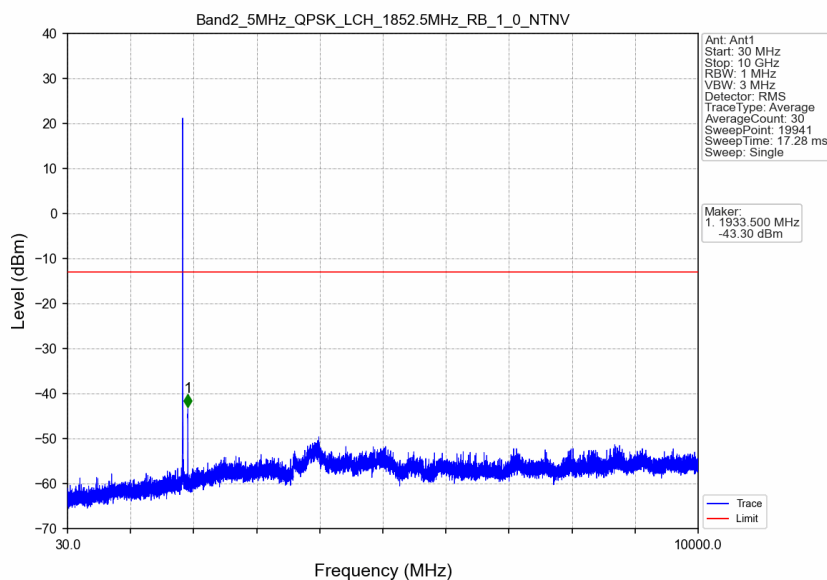
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5.2.3 B2_5MHz

Band2_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV



Band2_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV

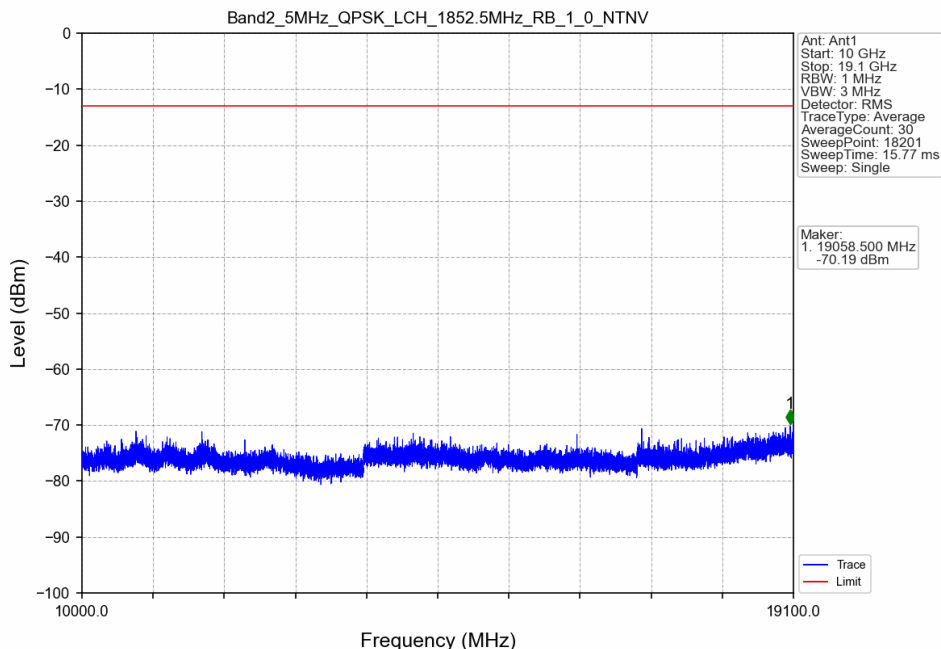


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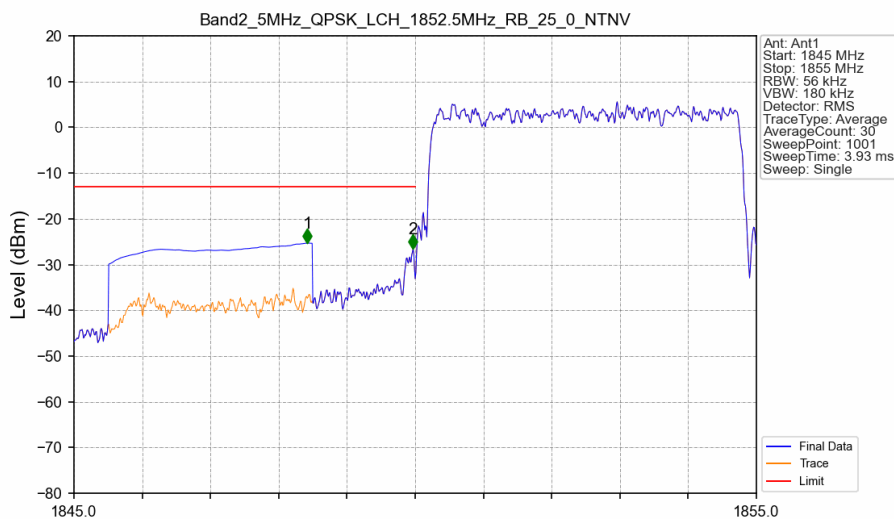
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Band2_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV



Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.420	-25.31	-13	Pass
1849	1850	0.056	/	2	1849.970	-26.56	-13	Pass
1850	1855	0.056	/	/	/	/	/	/

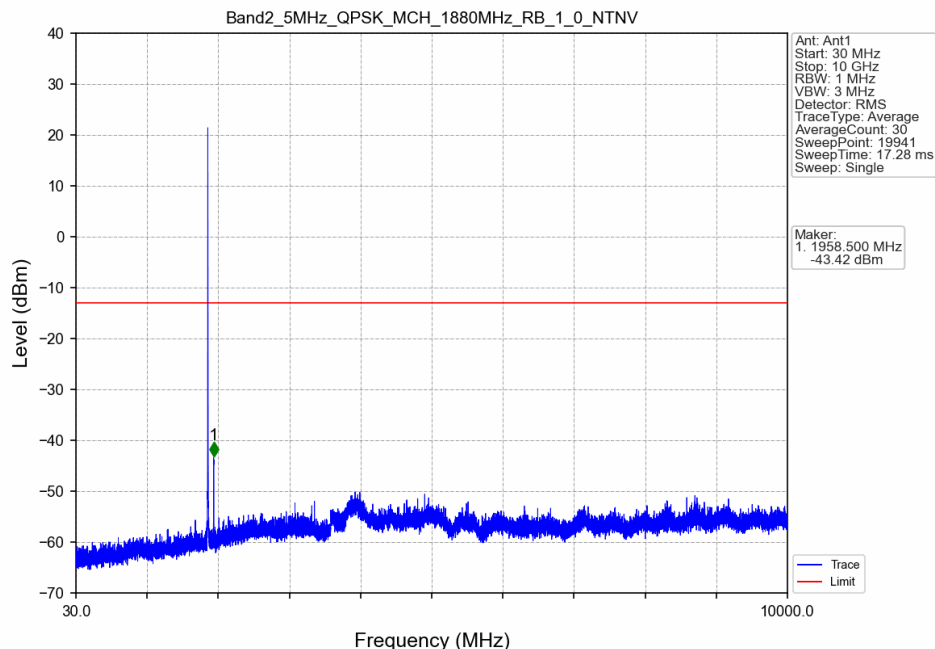


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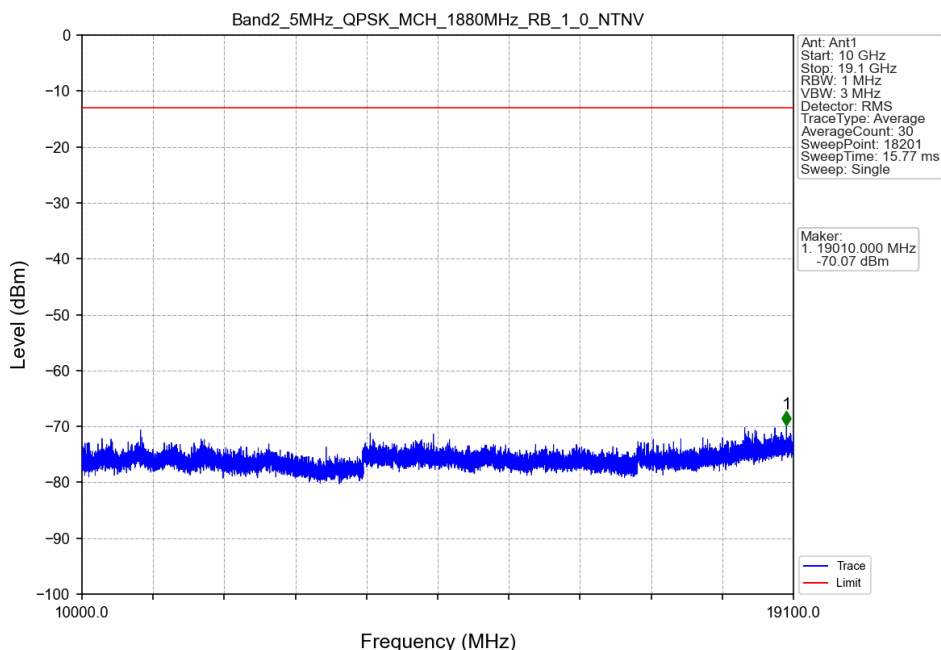
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Band2_5MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



Band2_5MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV

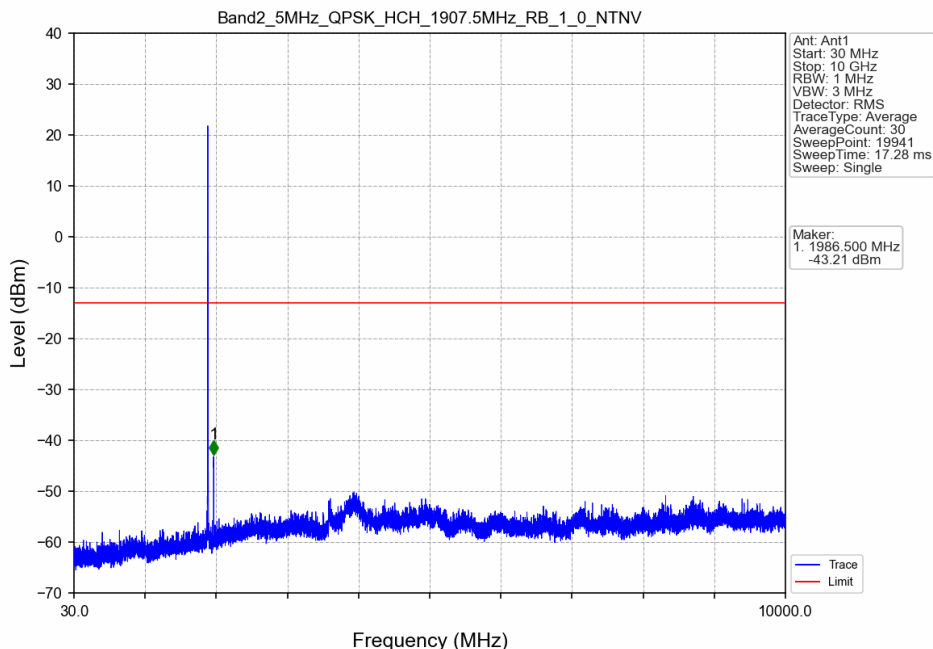


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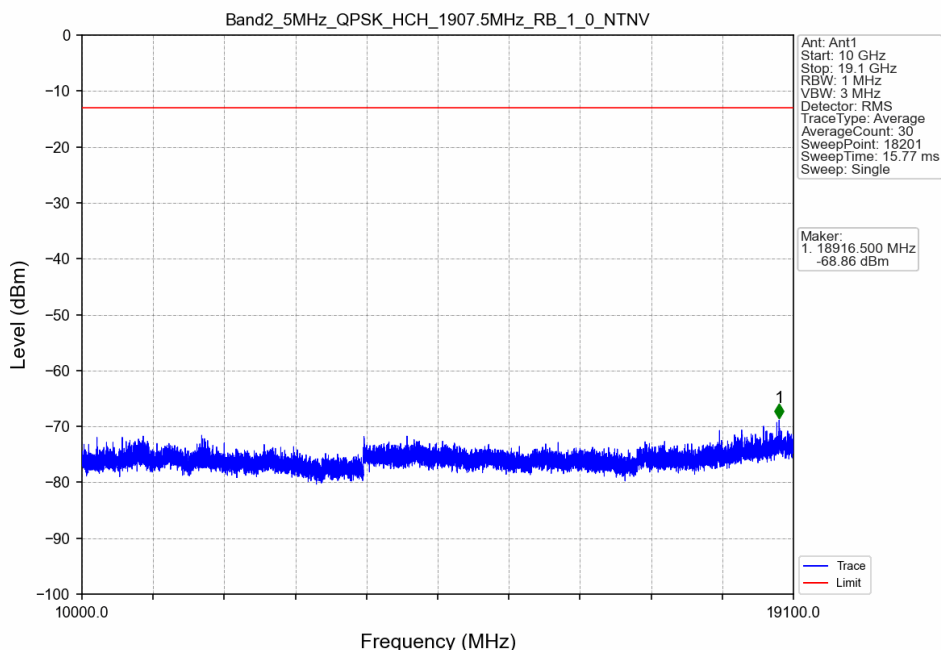
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Band2_5MHz_QPSK_HCH_1907.5MHz_RB_1_0_NTNV



Band2_5MHz_QPSK_HCH_1907.5MHz_RB_1_0_NTNV

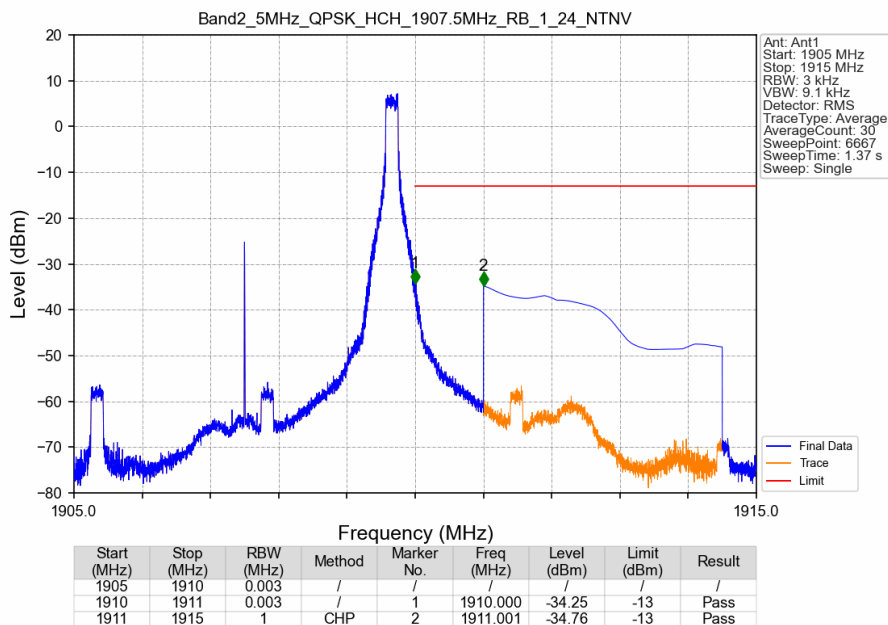


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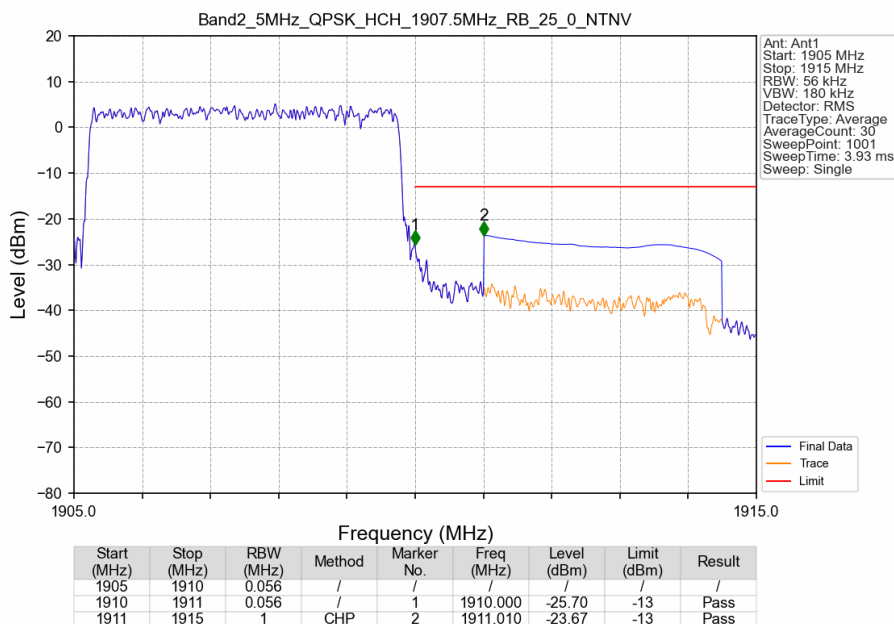
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Band2_5MHz_QPSK_HCH_1907.5MHz_RB_1_24_NTNV



Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



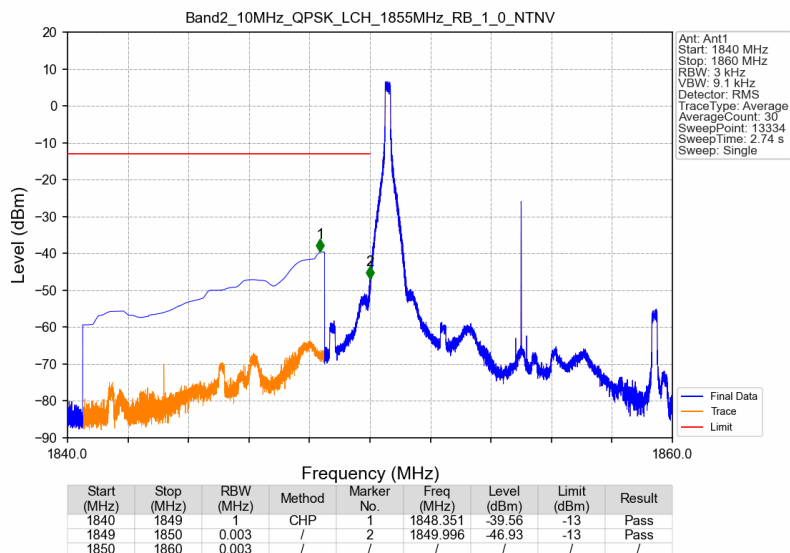
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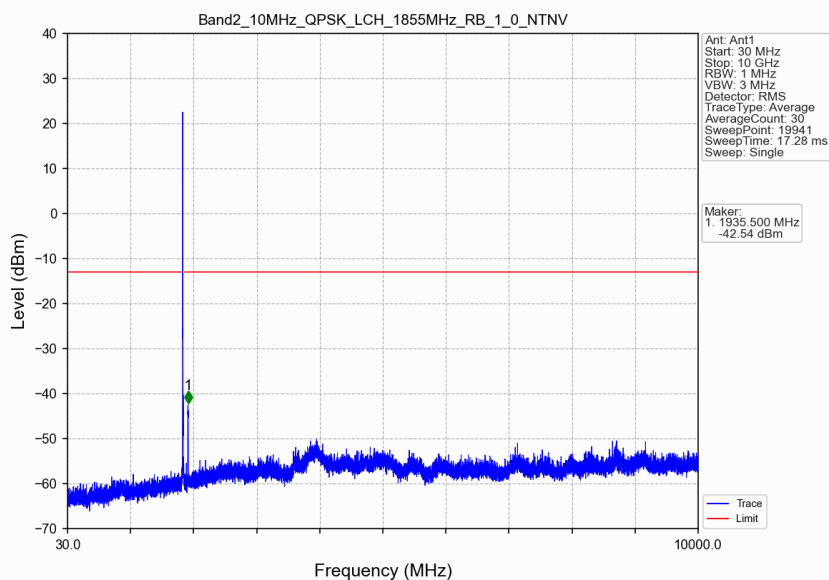
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5.2.4 B2_10MHz

Band2_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV



Band2_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV

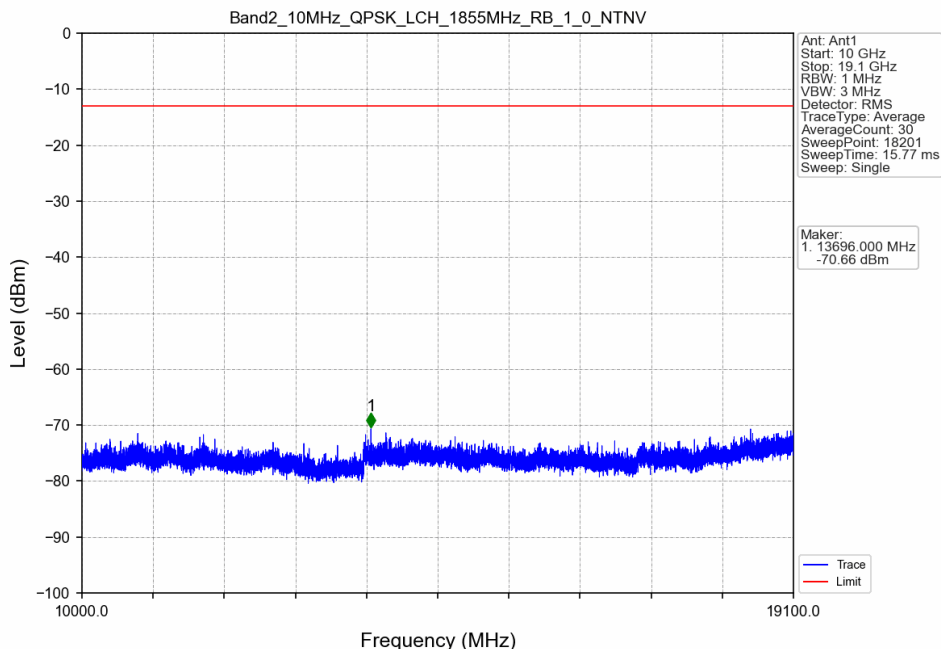


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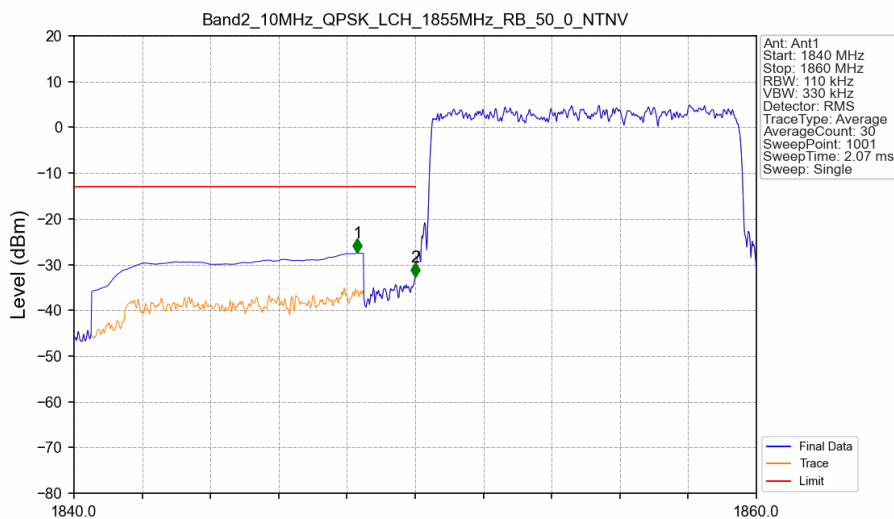
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Band2_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV



Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.300	-27.49	-13	Pass
1849	1850	0.11	/	2	1850.000	-32.79	-13	Pass
1850	1860	0.11	/	/	/	/	/	/

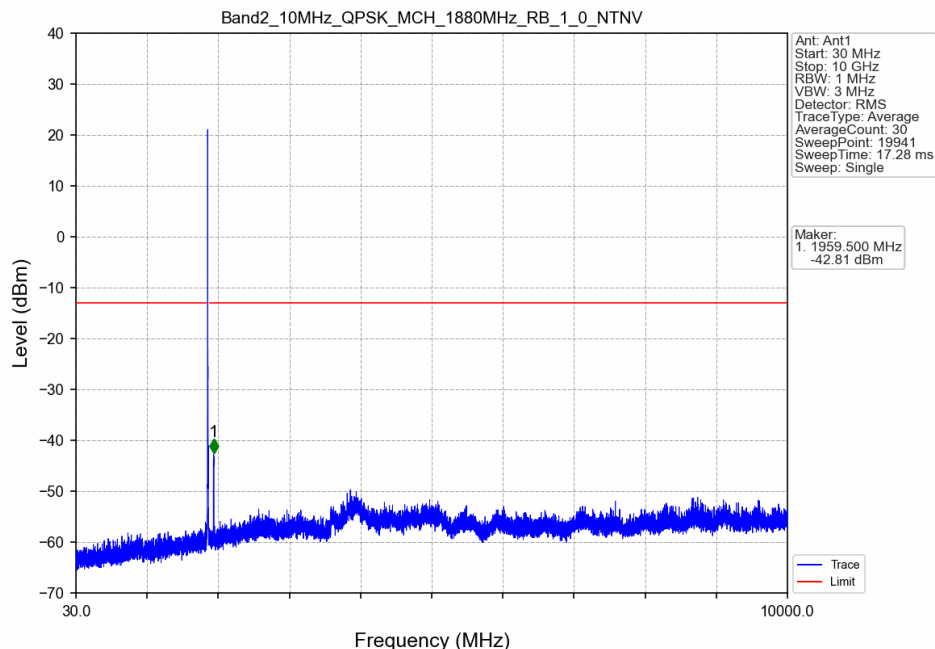


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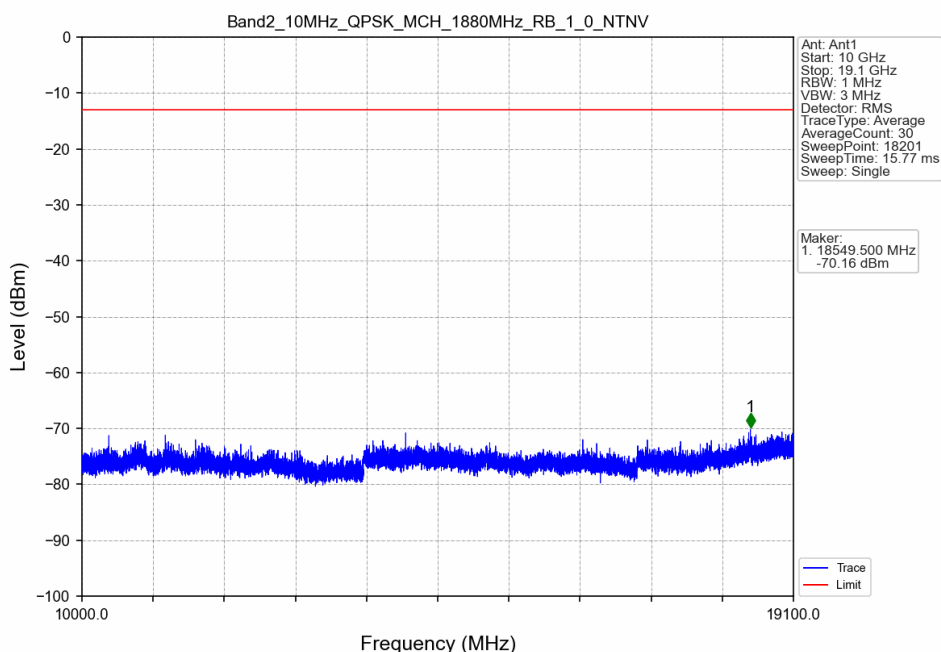
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Band2_10MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



Band2_10MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV

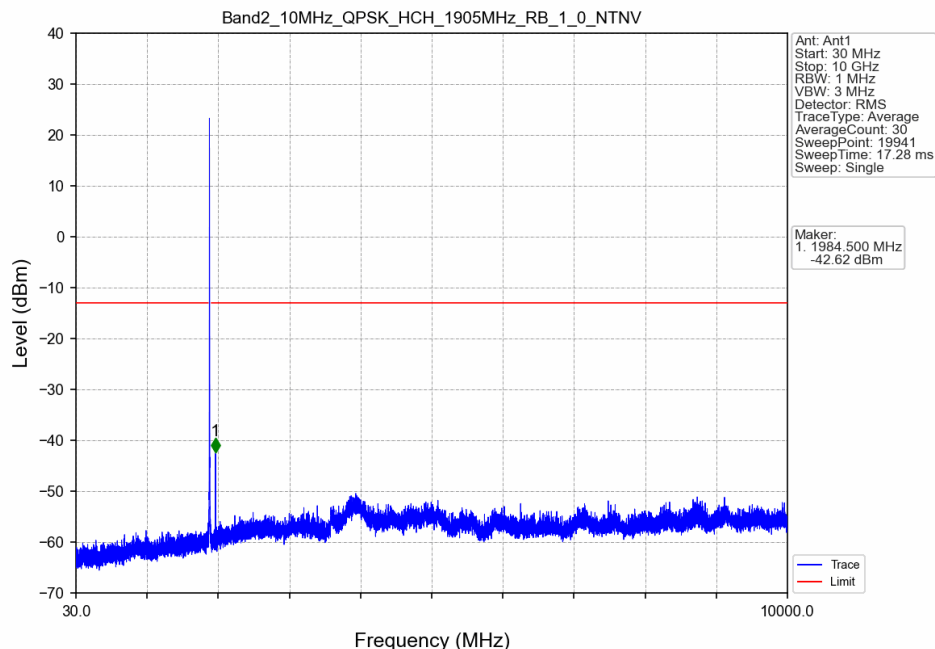


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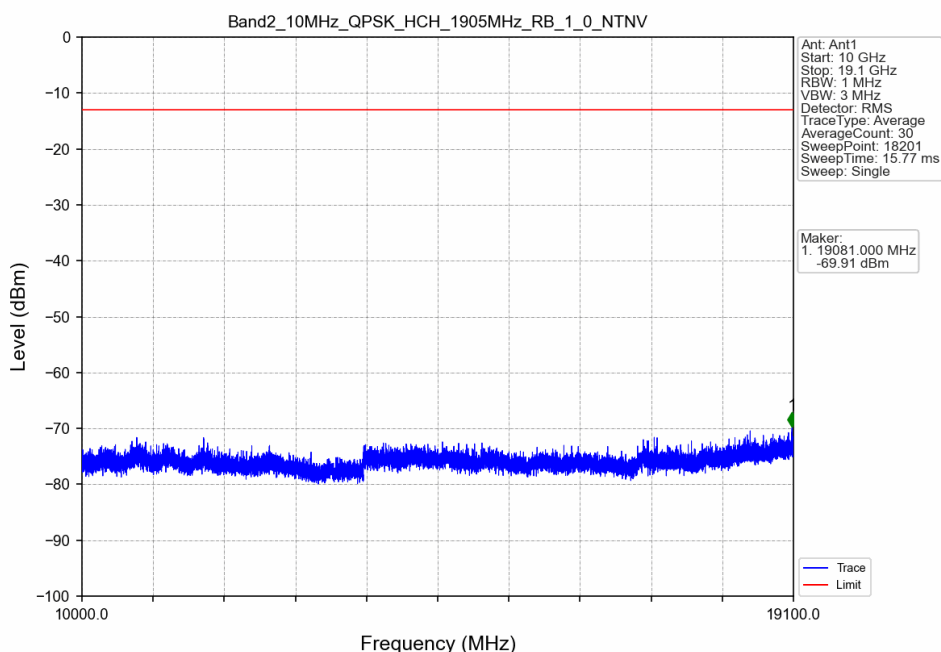
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Band2_10MHz_QPSK_HCH_1905MHz_RB_1_0_NTNV



Band2_10MHz_QPSK_HCH_1905MHz_RB_1_0_NTNV

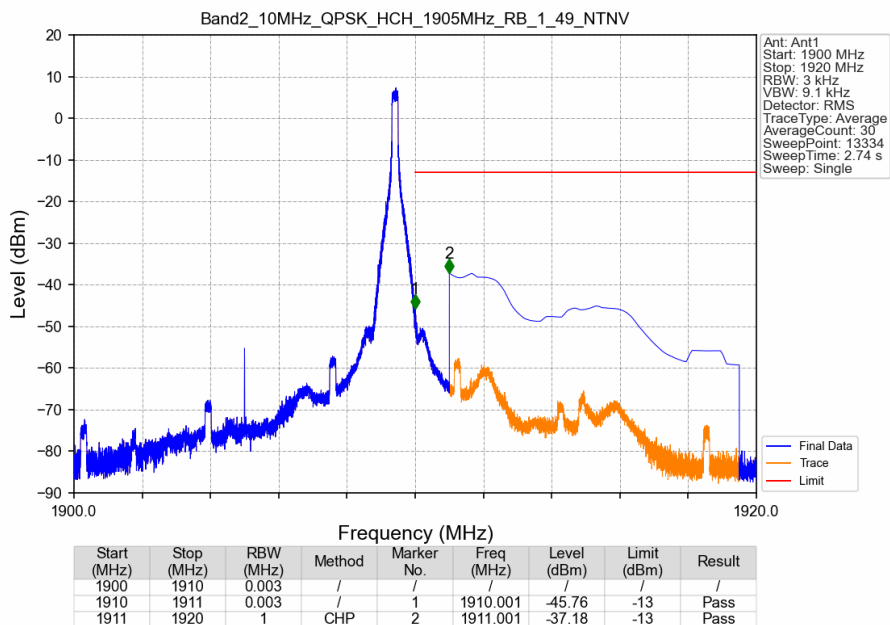


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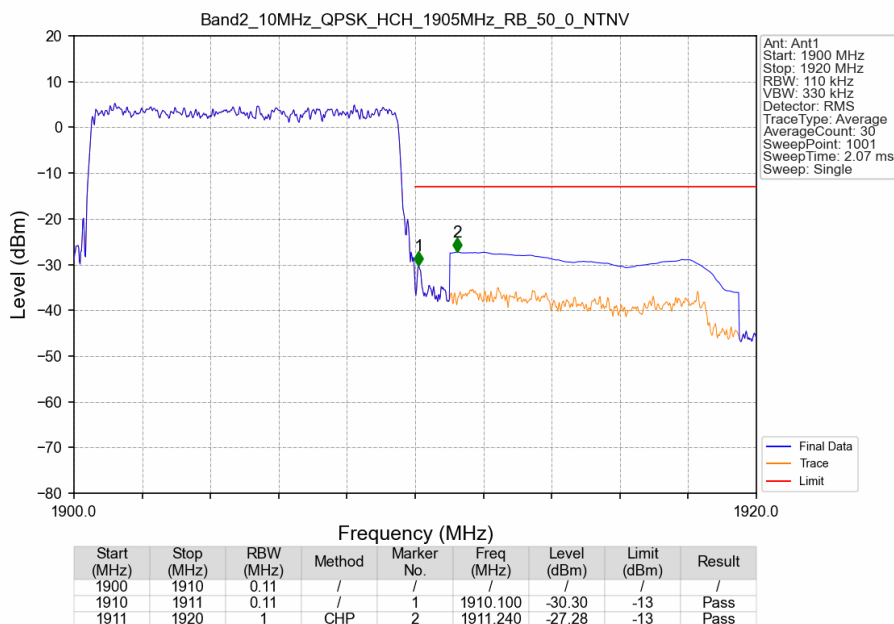
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Band2_10MHz_QPSK_HCH_1905MHz_RB_1_49_NTNV



Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



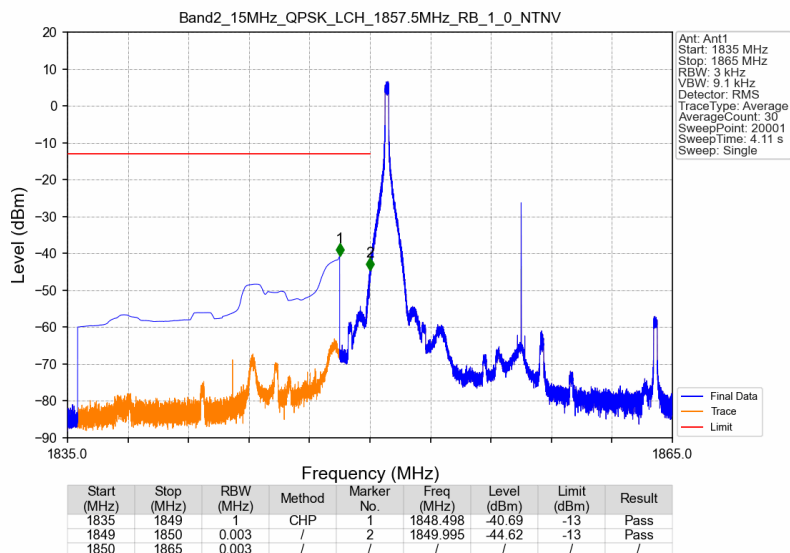
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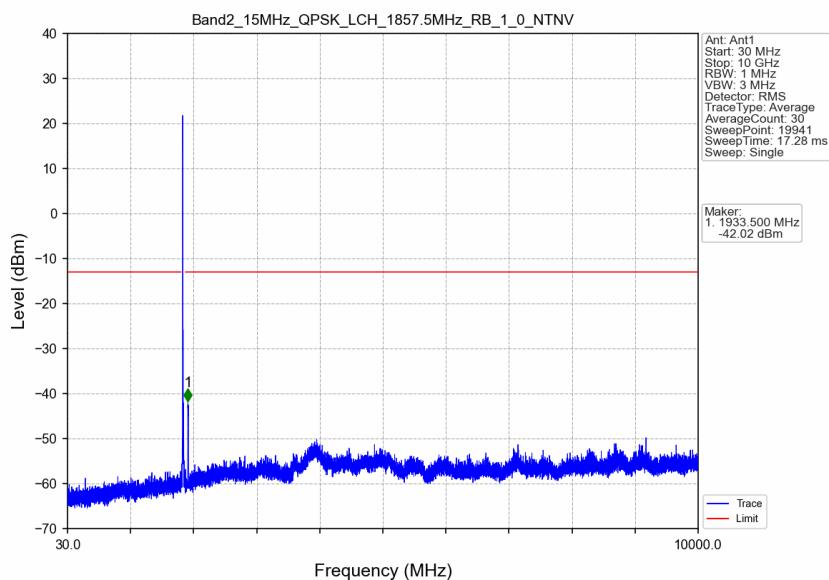
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5.2.5 B2_15MHz

Band2_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV



Band2_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV

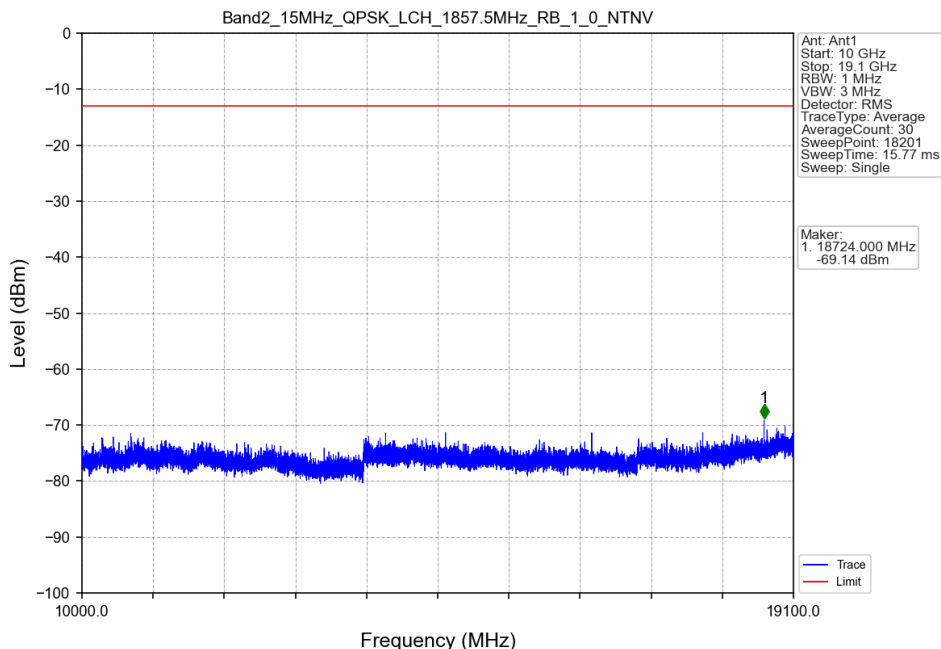


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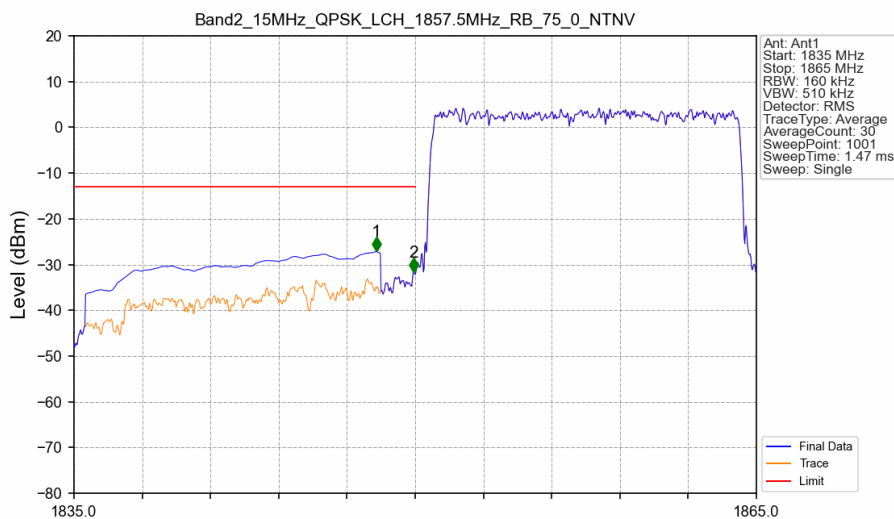
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Band2_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV



Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1835	1849	1	CHP	1	1848.290	-27.16	-13	Pass
1849	1850	0.16	/	2	1849.940	-31.68	-13	Pass
1850	1865	0.16	/	/	/	/	/	/

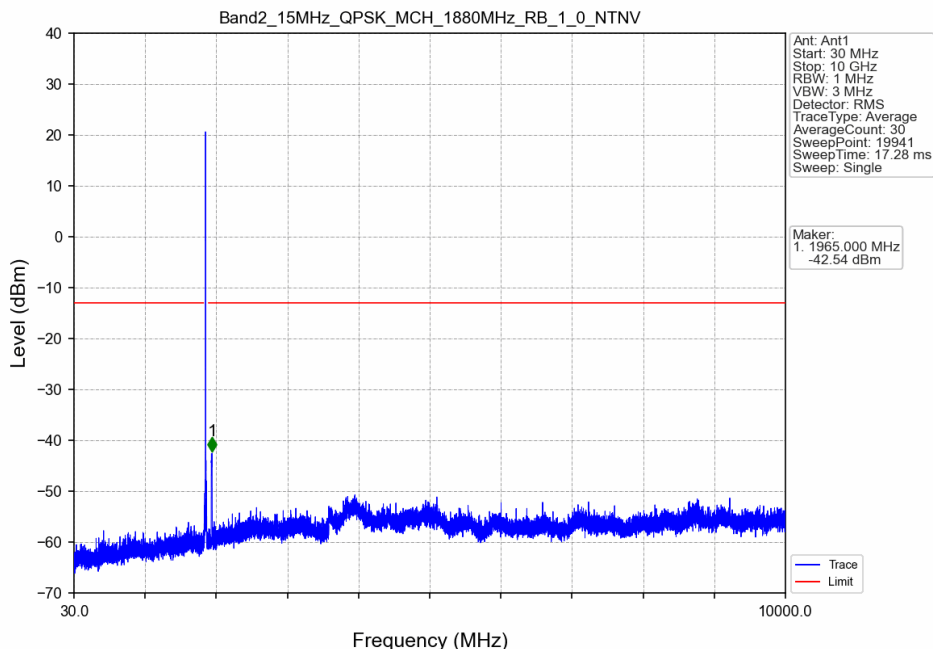


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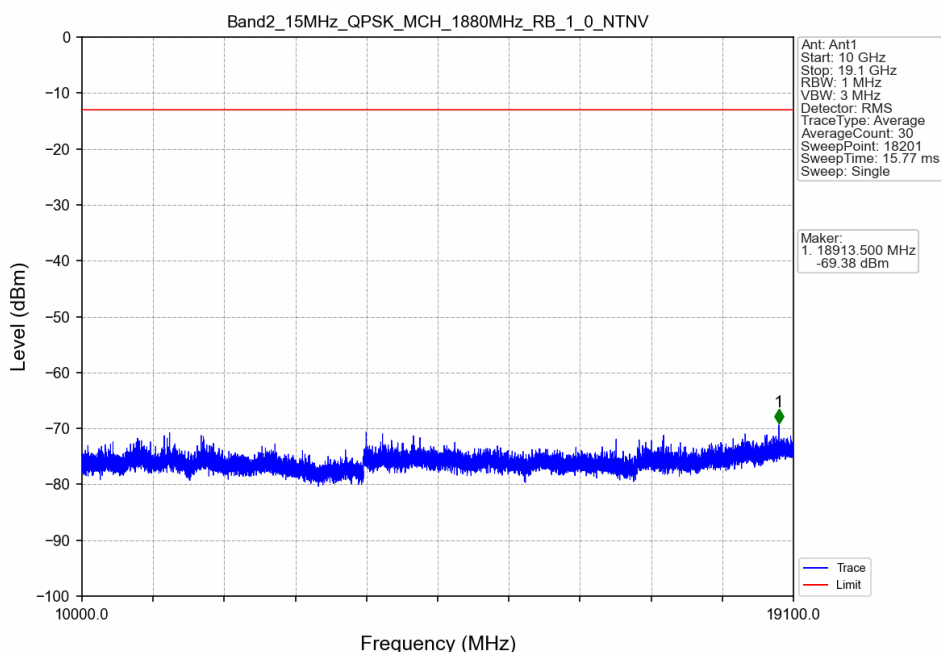
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Band2_15MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



Band2_15MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV

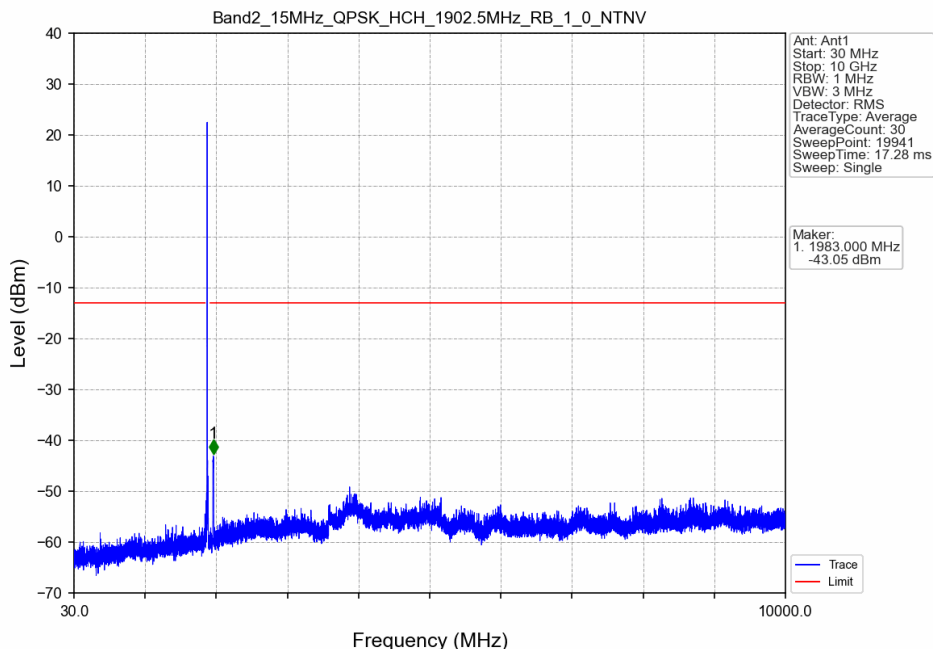


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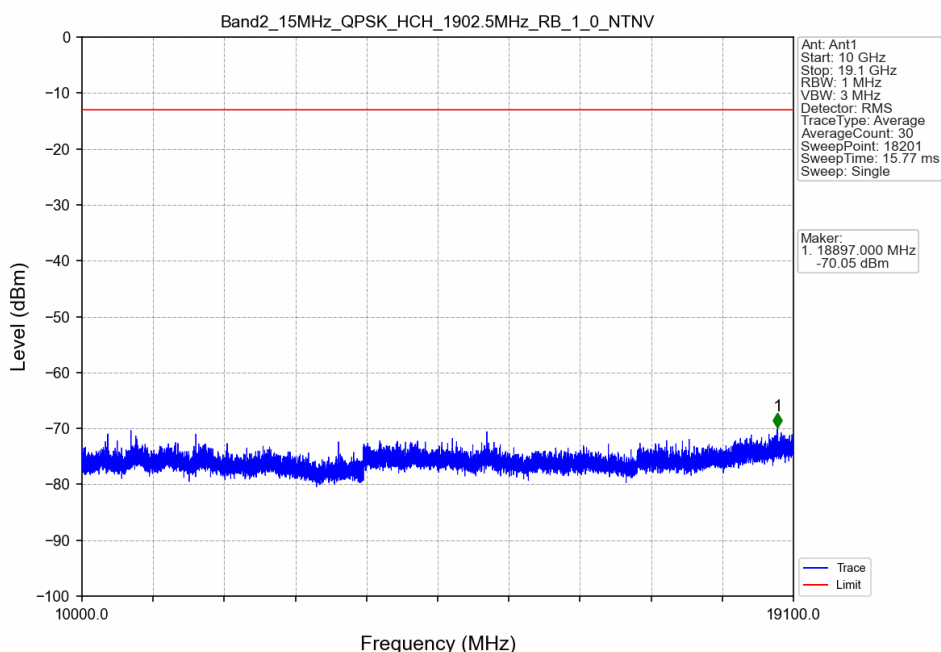
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Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_0_NTNV



Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_0_NTNV

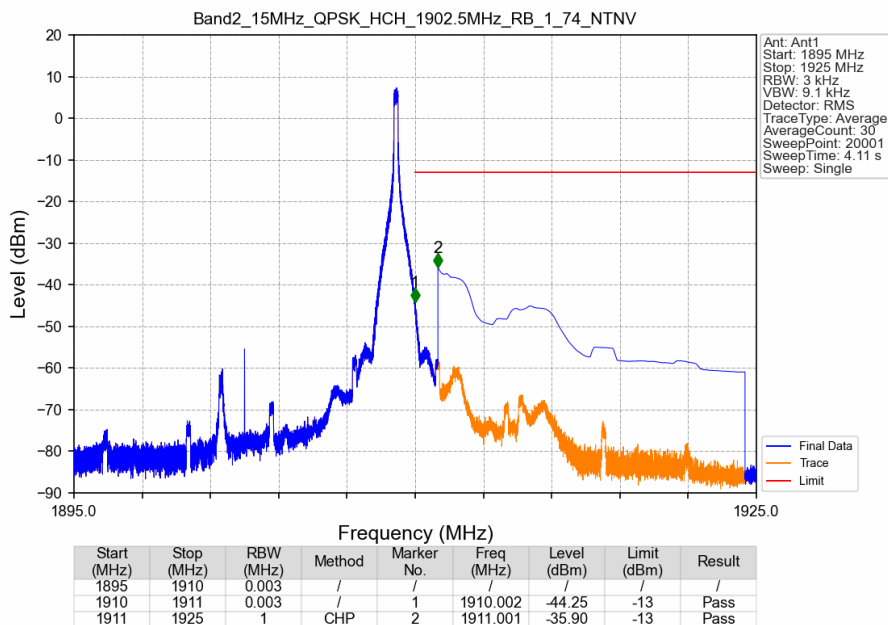


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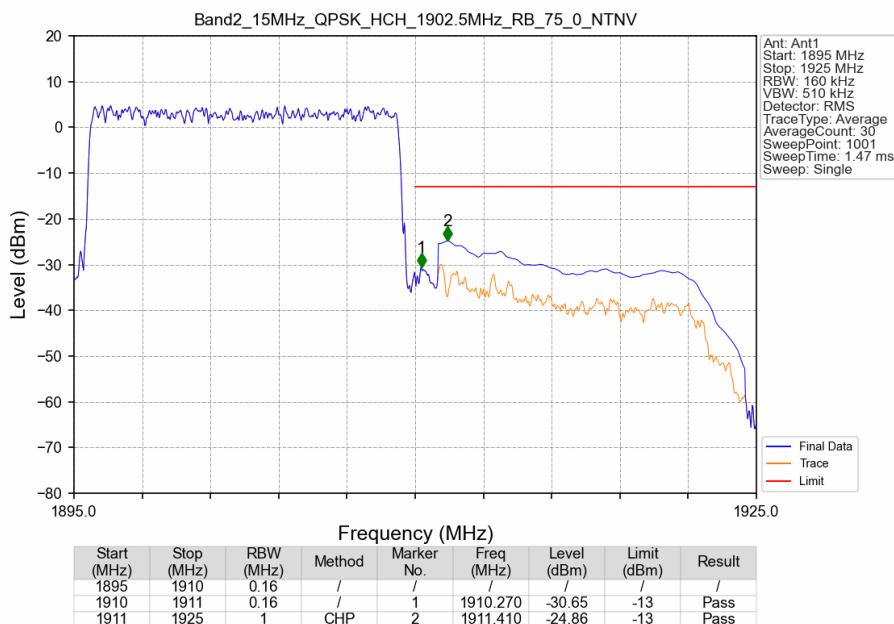
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Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_74_NTNV



Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



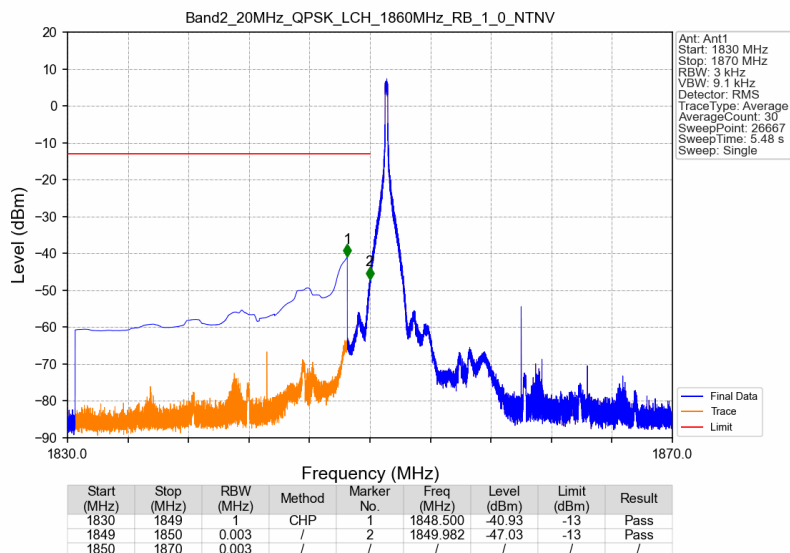
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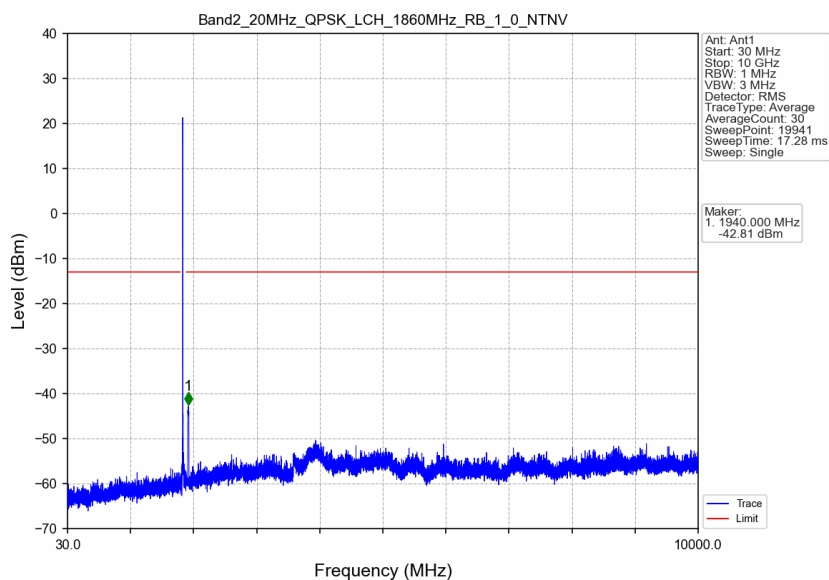
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5.2.6 B2_20MHz

Band2_20MHz_QPSK_LCH_1860MHz_RB_1_0_NTNV



Band2_20MHz_QPSK_LCH_1860MHz_RB_1_0_NTNV

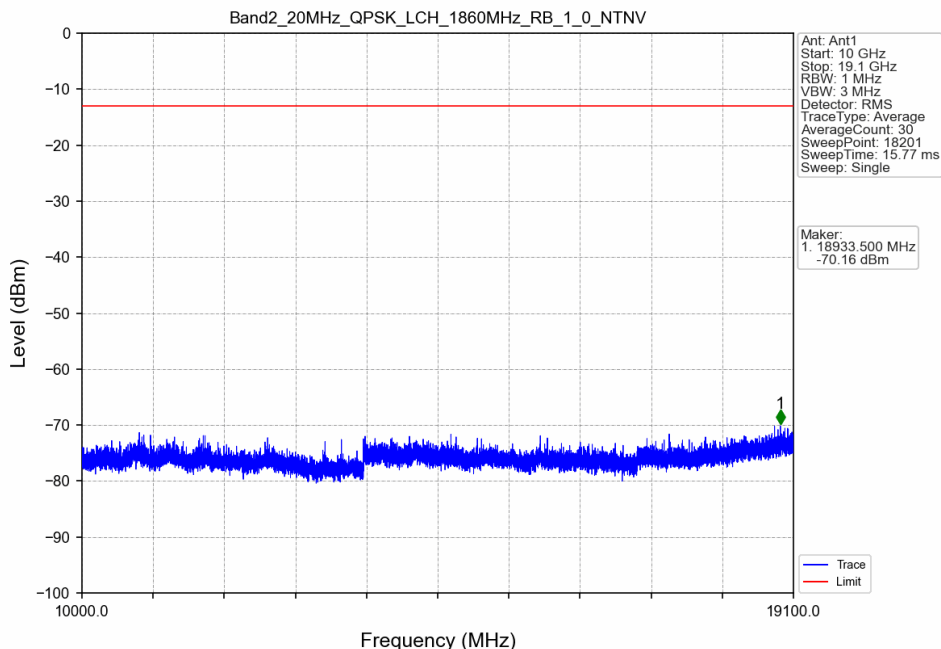


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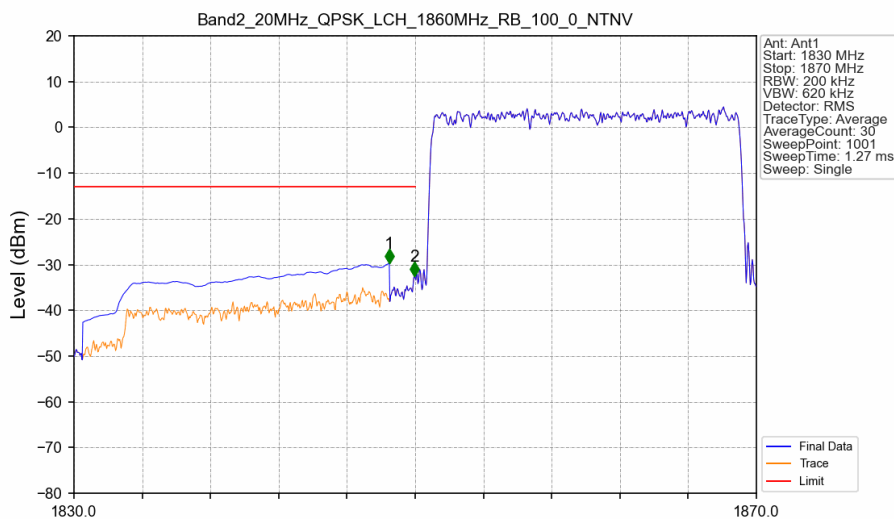
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Band2_20MHz_QPSK_LCH_1860MHz_RB_1_0_NTNV



Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1830	1849	1	CHP	1	1848.480	-29.70	-13	Pass
1849	1850	0.2	/	2	1849.960	-32.53	-13	Pass
1850	1870	0.2	/	/	/	/	/	/

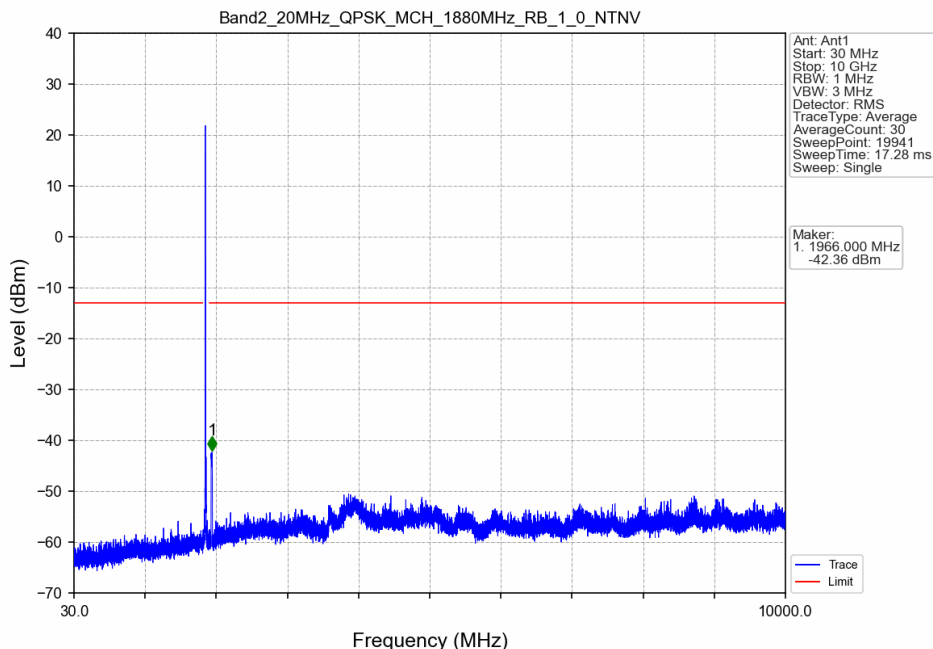


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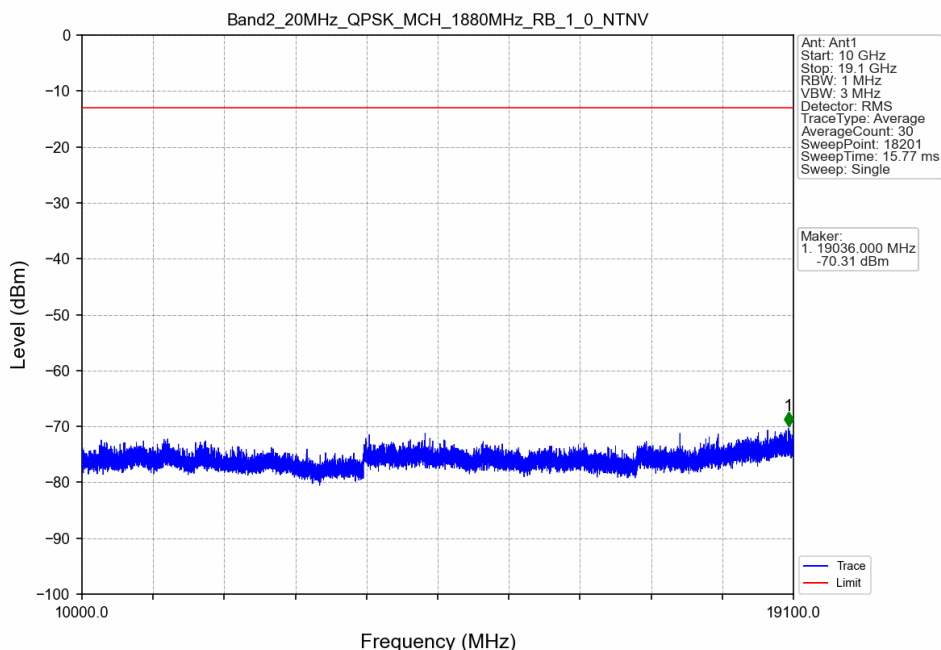
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Band2_20MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



Band2_20MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV

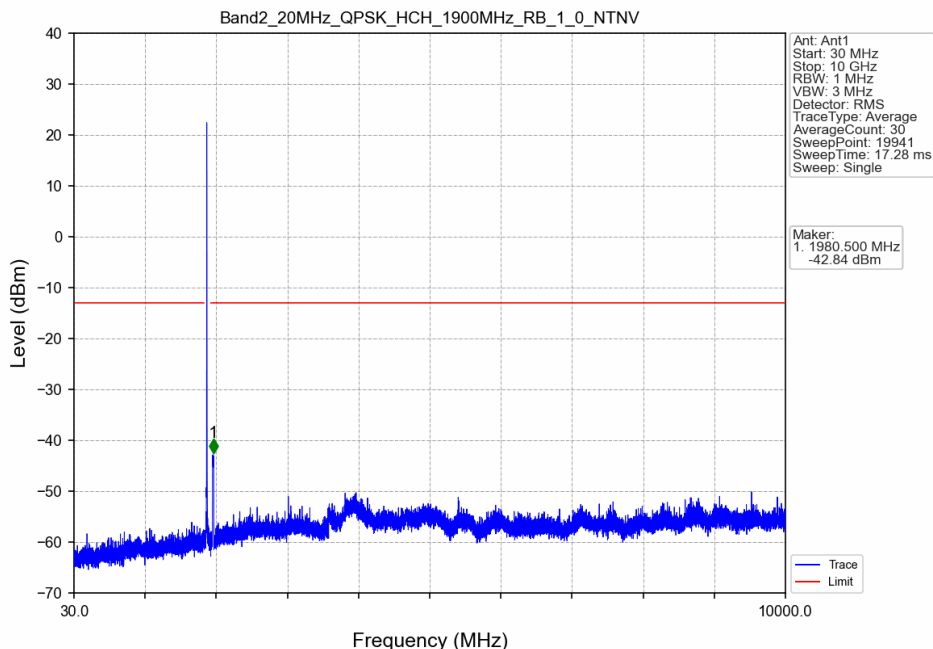


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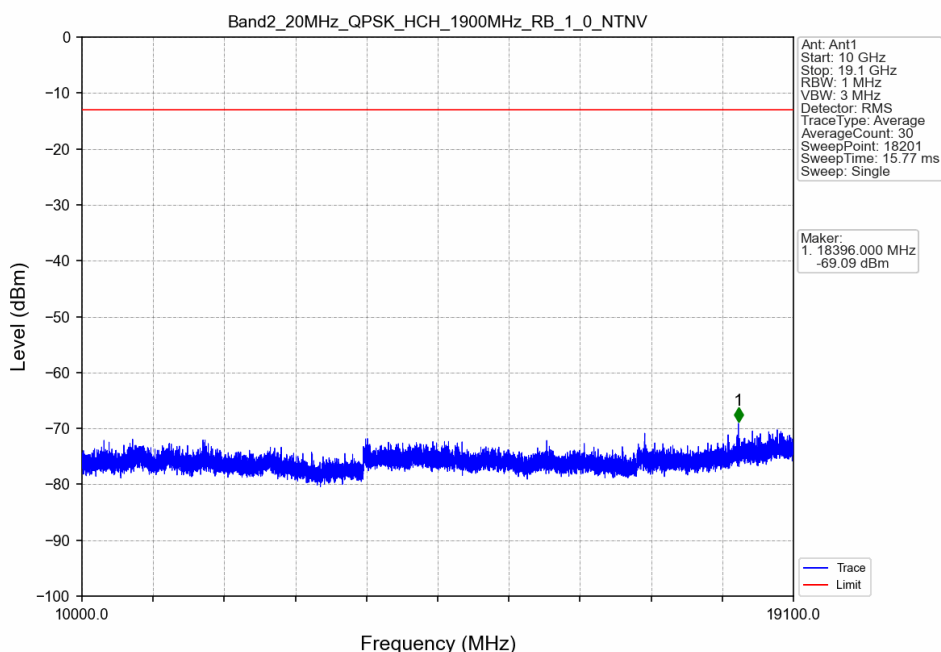
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Band2_20MHz_QPSK_HCH_1900MHz_RB_1_0_NTNV



Band2_20MHz_QPSK_HCH_1900MHz_RB_1_0_NTNV

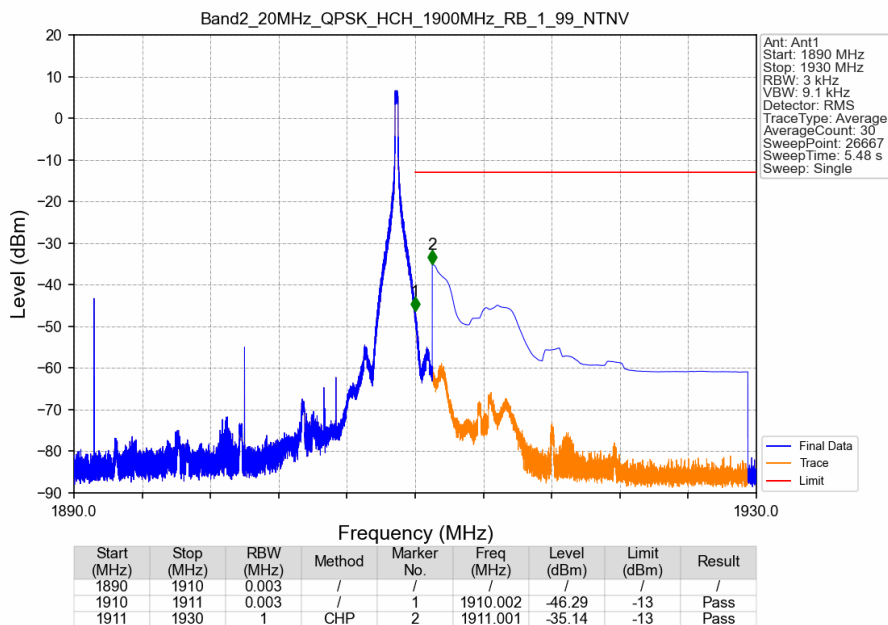


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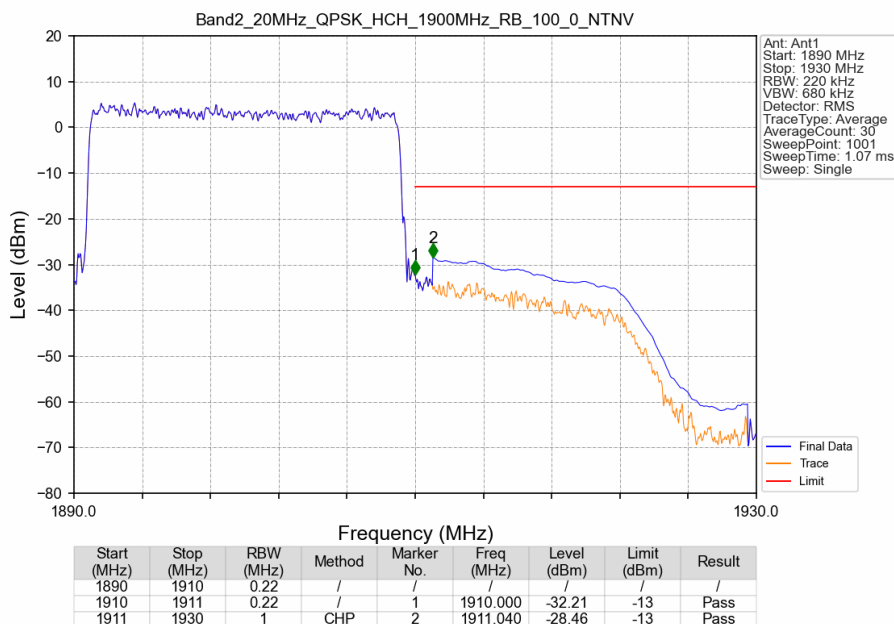
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Band2_20MHz_QPSK_HCH_1900MHz_RB_1_99_NTNV



Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



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6. Field Strength of Spurious Radiation

LTE Band 2-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3702.0	-59.43	-13	-46.43	-64.45	3.42	8.44	Horizontal	Pass
5553.0	-58.16	-13	-45.16	-64.37	4.24	10.45	Horizontal	Pass
7404.0	-56.67	-13	-43.67	-64.08	4.21	11.62	Horizontal	Pass
3702.0	-60.43	-13	-47.43	-65.45	3.42	8.44	Vertical	Pass
5553.0	-57.27	-13	-44.27	-63.48	4.24	10.45	Vertical	Pass
7404.0	-56.28	-13	-43.28	-63.69	4.21	11.62	Vertical	Pass
LTE Band 2-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3742.0	-61.23	-13	-48.23	-66.27	3.45	8.49	Horizontal	Pass
5613.0	-58.51	-13	-45.51	-64.72	4.24	10.45	Horizontal	Pass
7484.0	-55.93	-13	-42.93	-63.43	4.22	11.72	Horizontal	Pass
3742.0	-60.49	-13	-47.49	-65.53	3.45	8.49	Vertical	Pass
5613.0	-58.7	-13	-45.7	-64.91	4.24	10.45	Vertical	Pass
7484.0	-55.53	-13	-42.53	-63.03	4.22	11.72	Vertical	Pass
LTE Band 2-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3782.0	-60.78	-13	-47.78	-65.85	3.48	8.55	Horizontal	Pass
5673.0	-59.92	-13	-46.92	-66.14	4.23	10.45	Horizontal	Pass
7564.0	-55.85	-13	-42.85	-63.45	4.22	11.82	Horizontal	Pass
3782.0	-60.27	-13	-47.27	-65.34	3.48	8.55	Vertical	Pass
5673.0	-60.01	-13	-47.01	-66.23	4.23	10.45	Vertical	Pass
7564.0	-56.23	-13	-43.23	-63.83	4.22	11.82	Vertical	Pass

---End of Attachment---



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