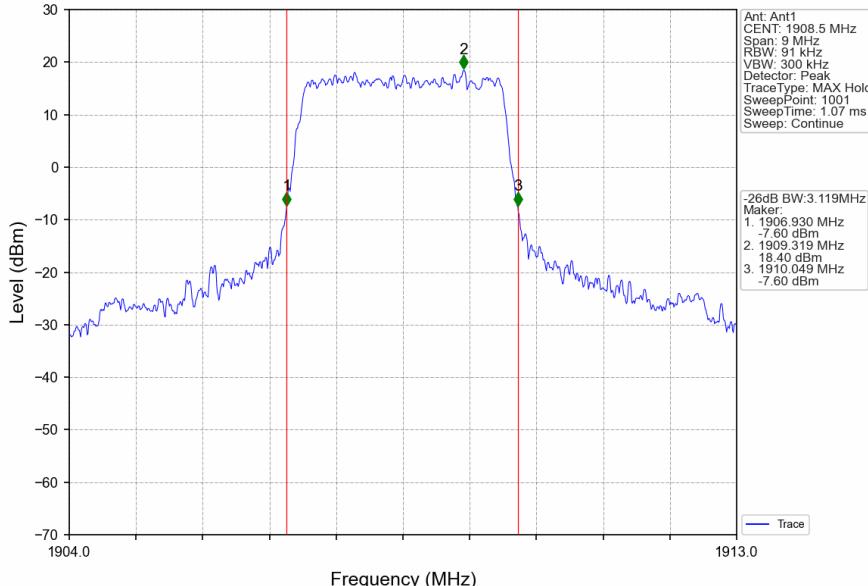
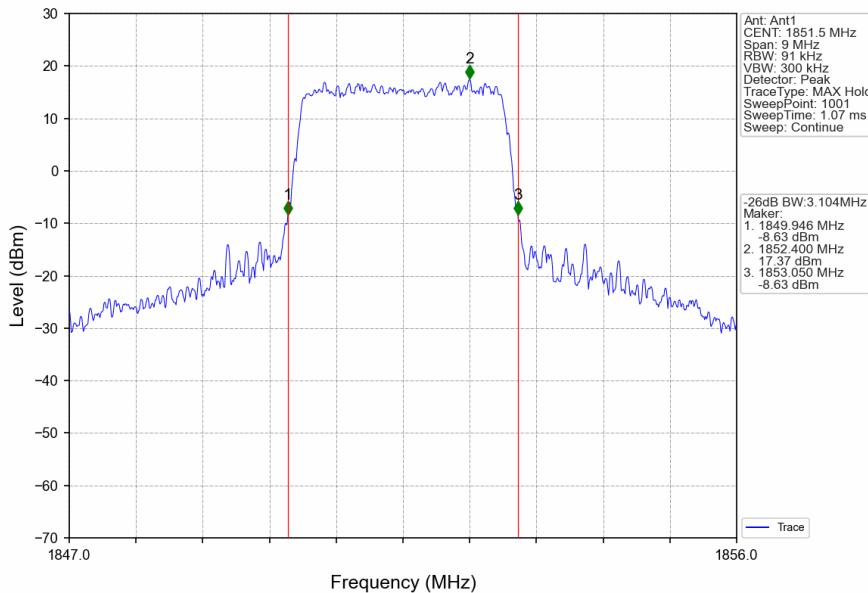


Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



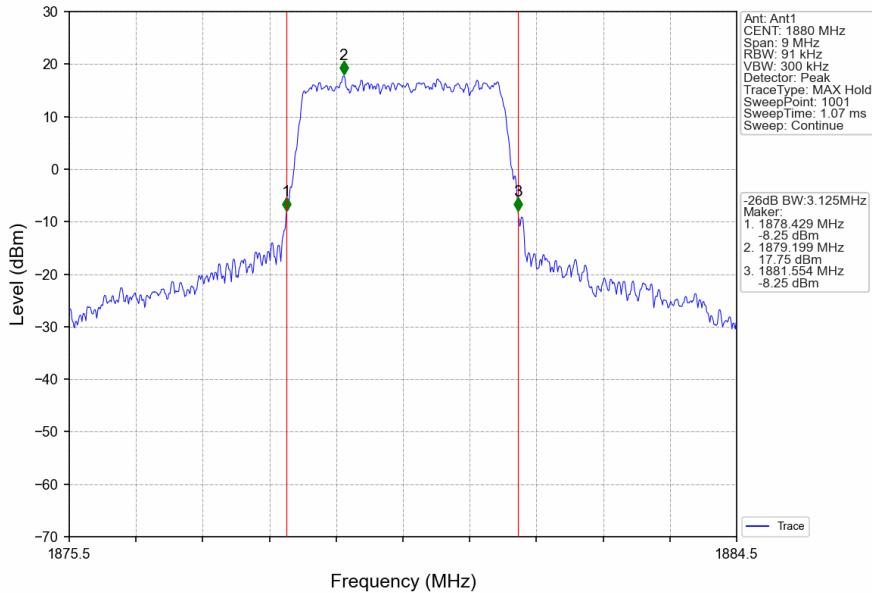
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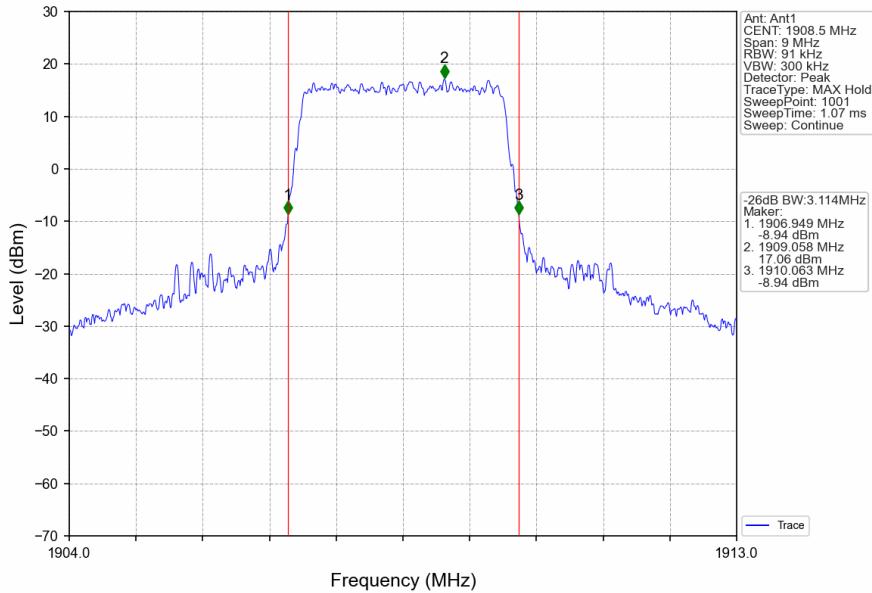
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Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV

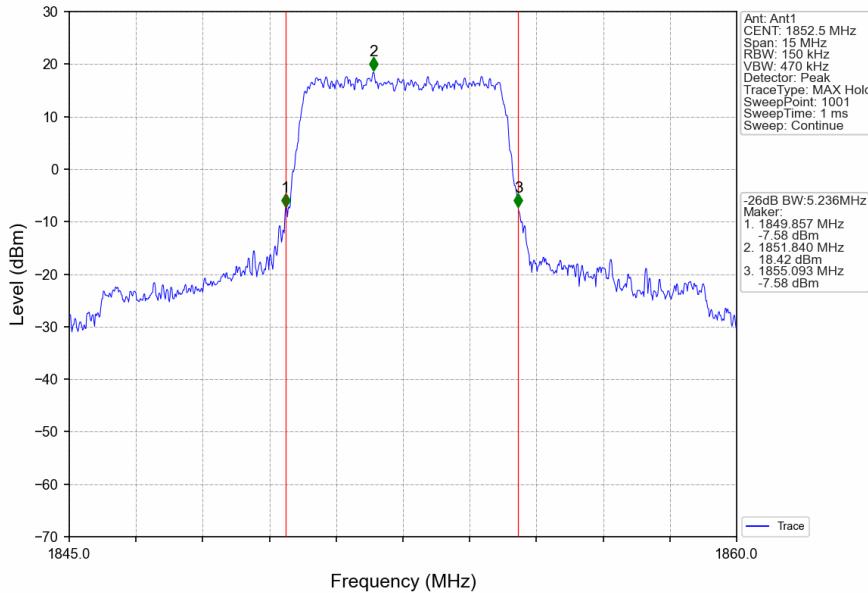
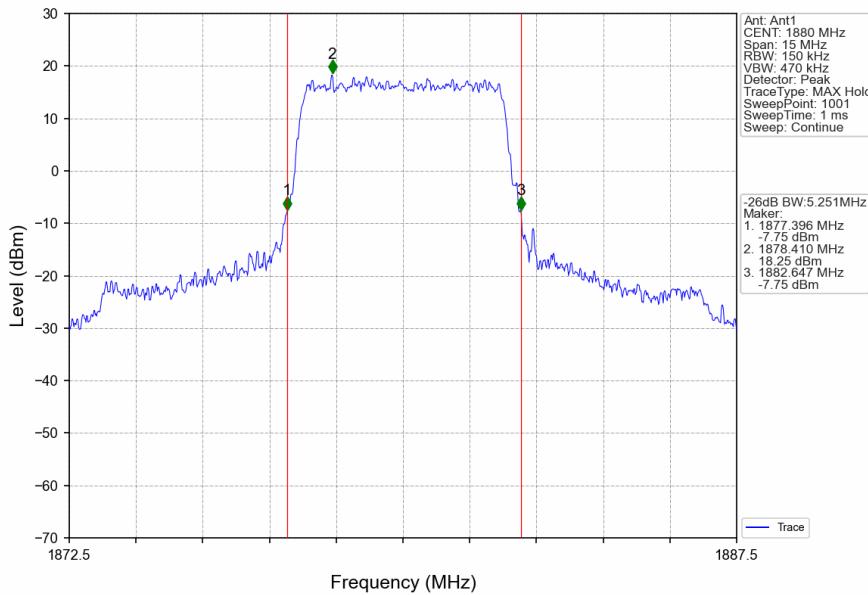


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Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV**Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV**

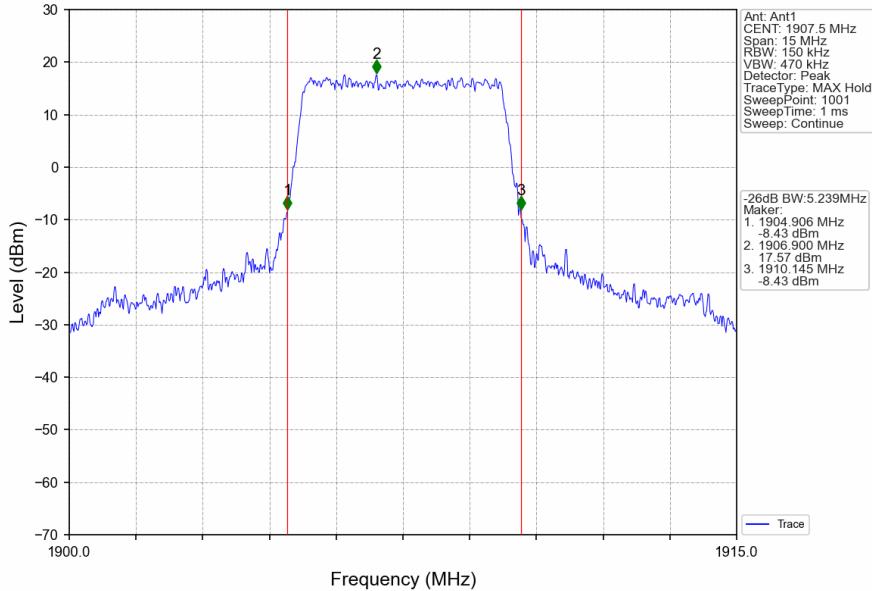
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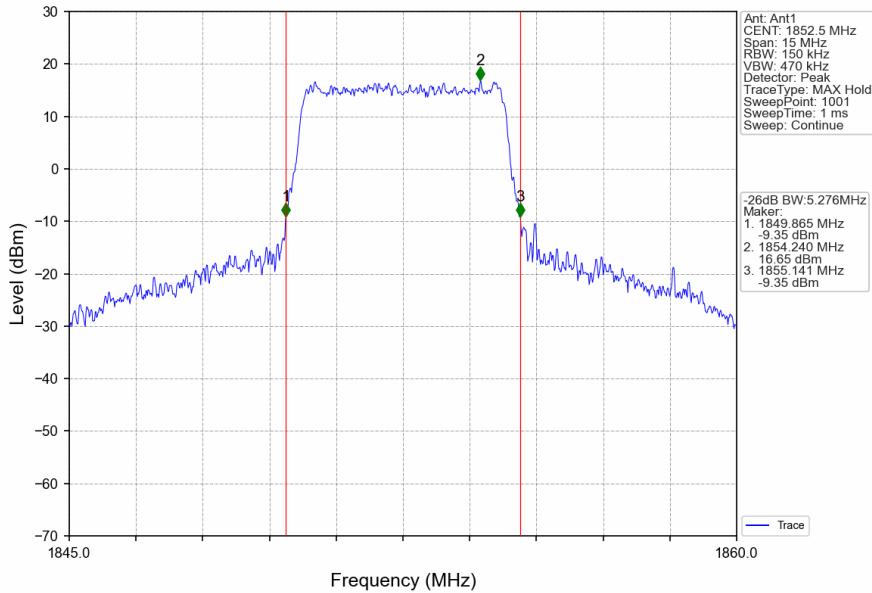
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Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV

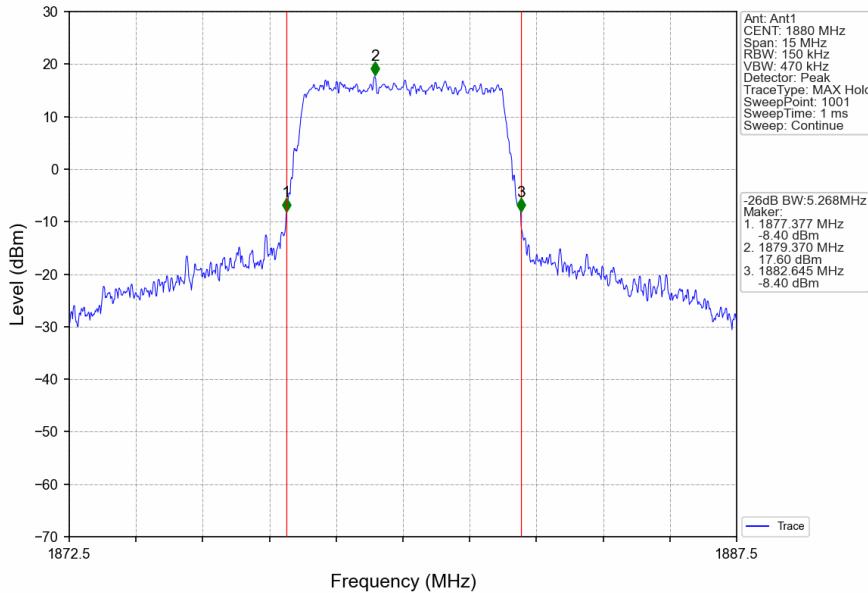
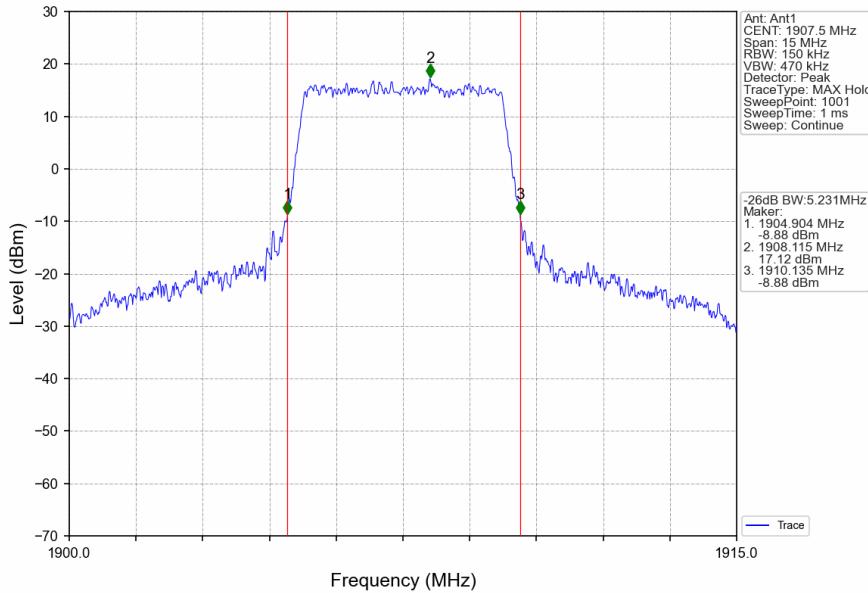


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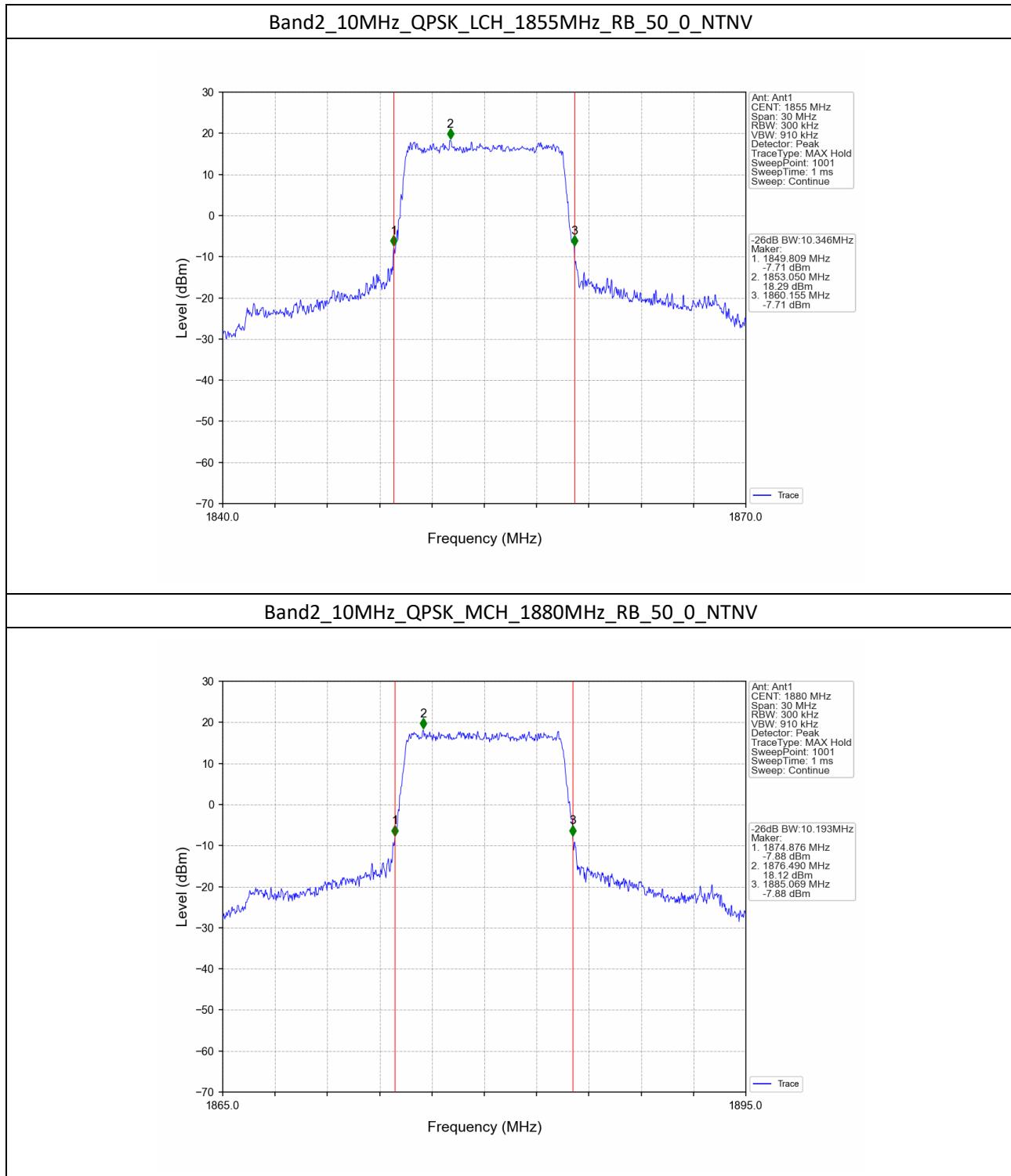
Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV**Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV**

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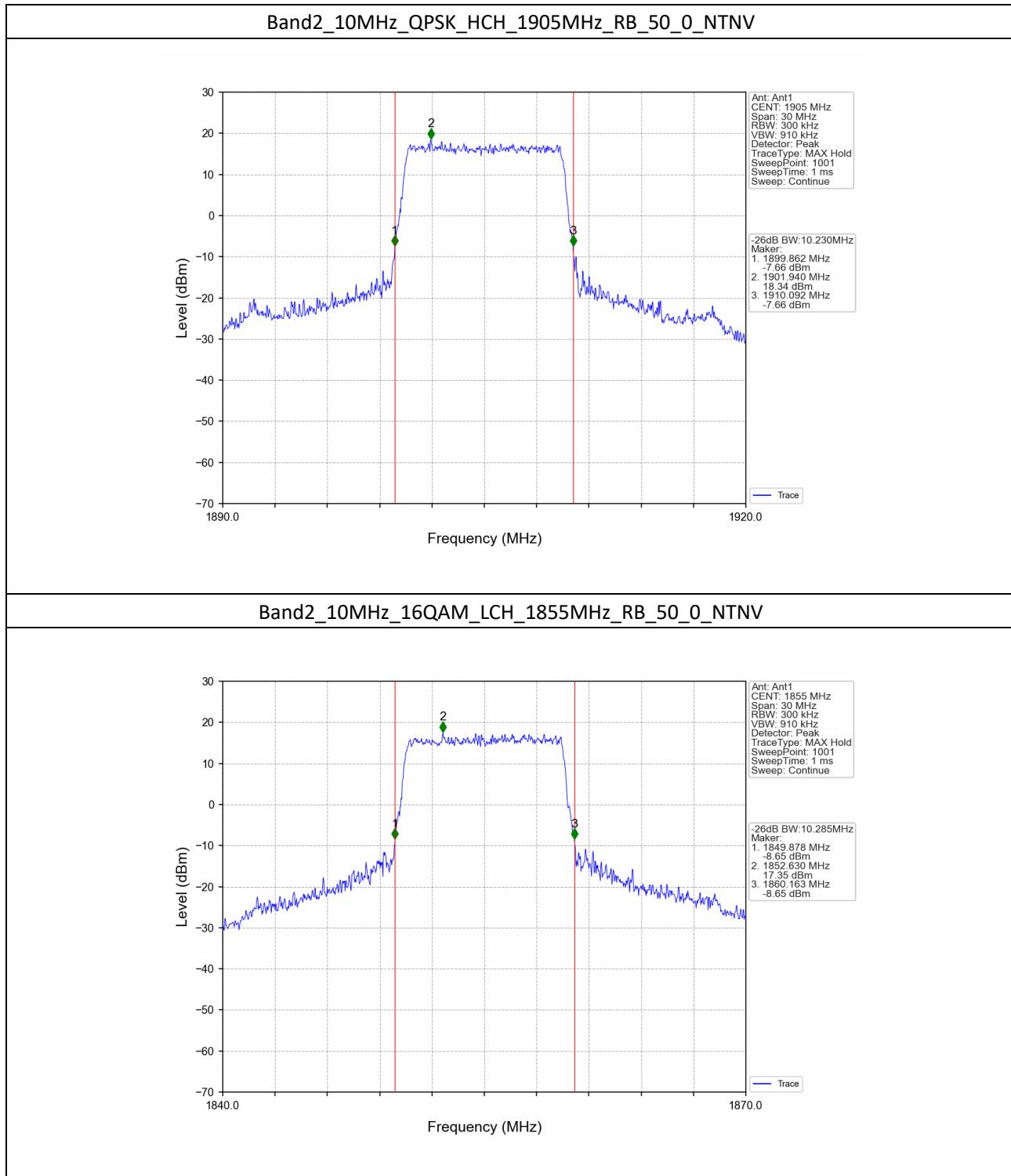


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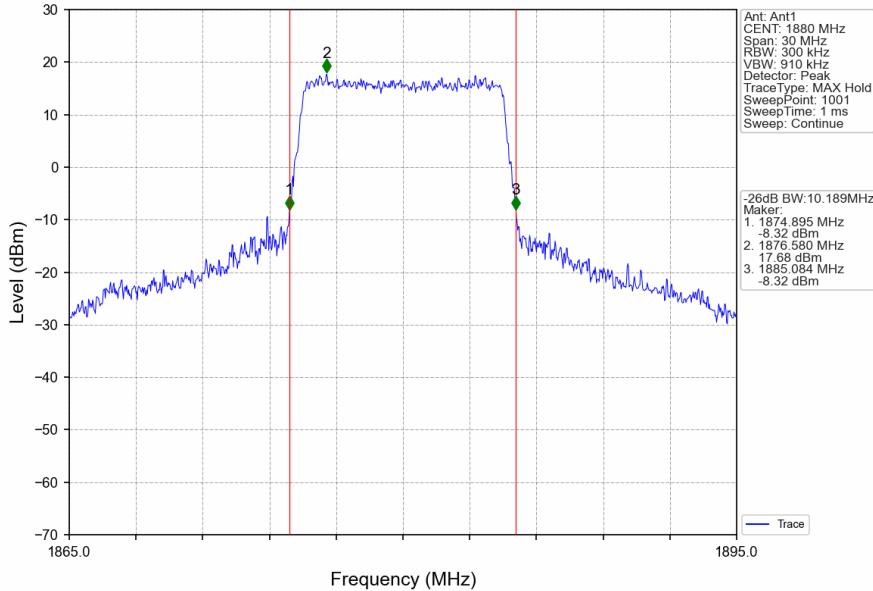
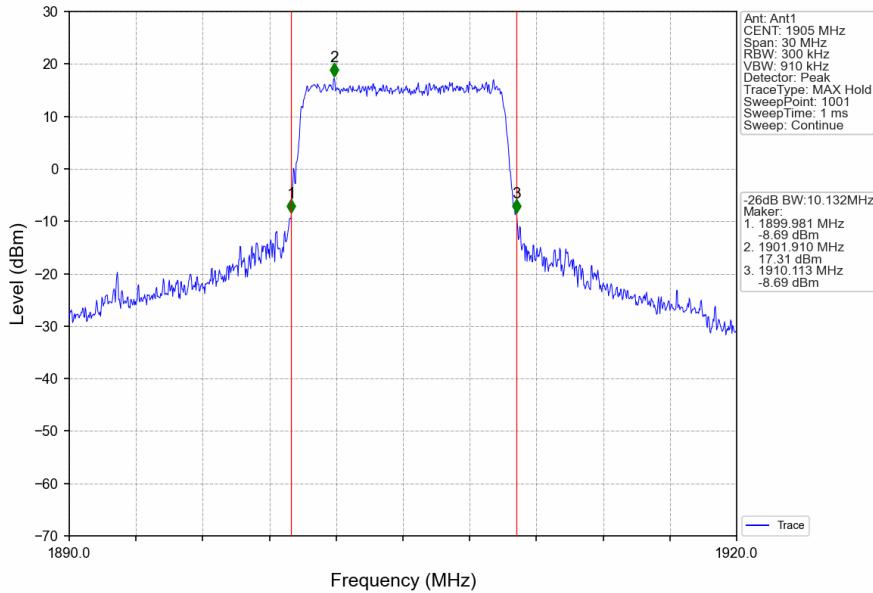


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Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV**Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV**

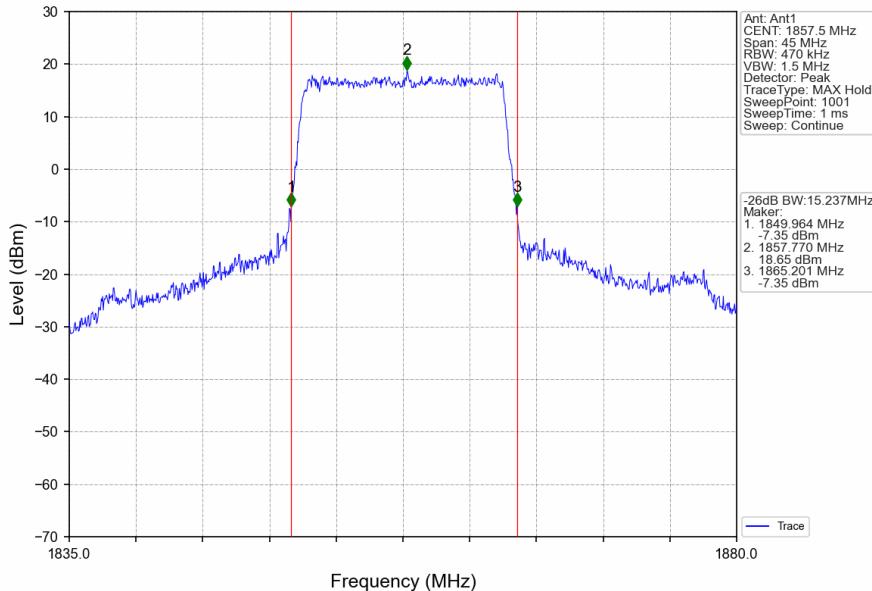
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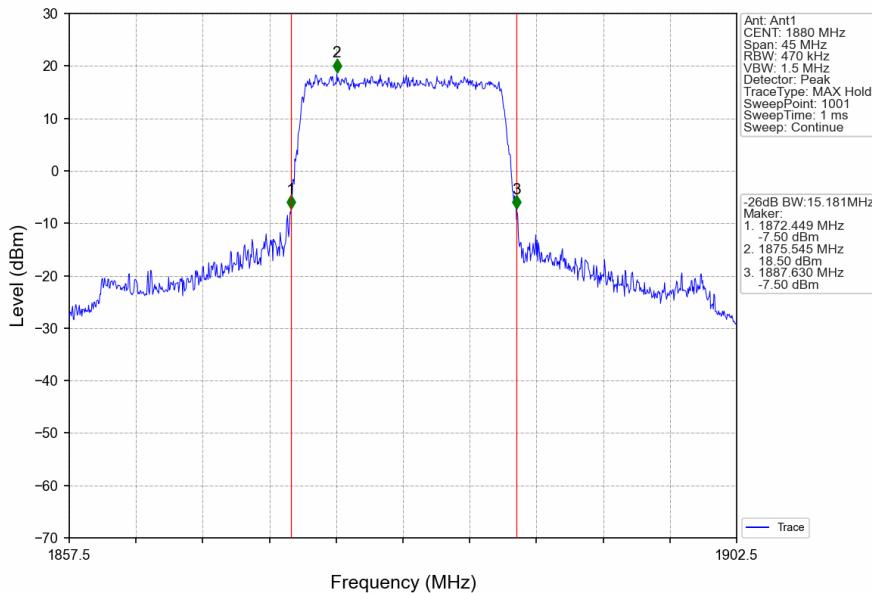
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Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV



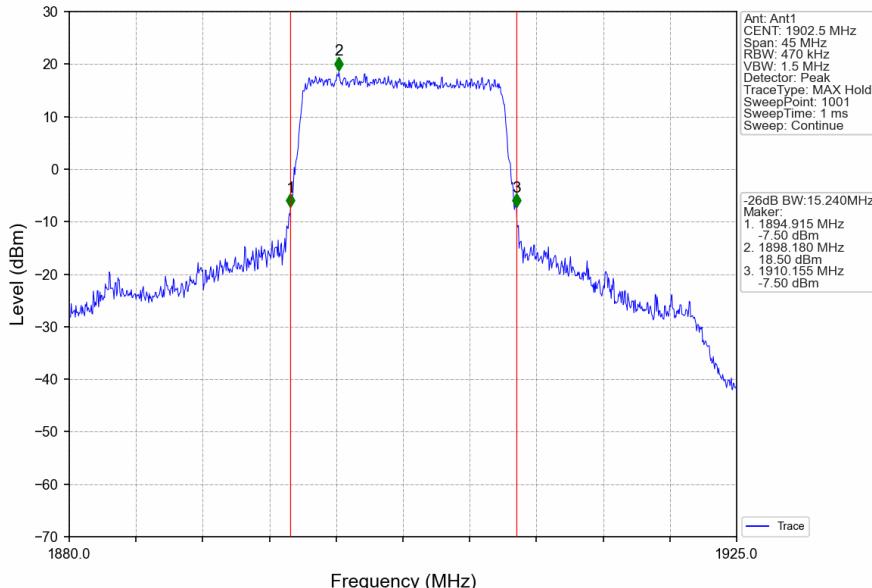
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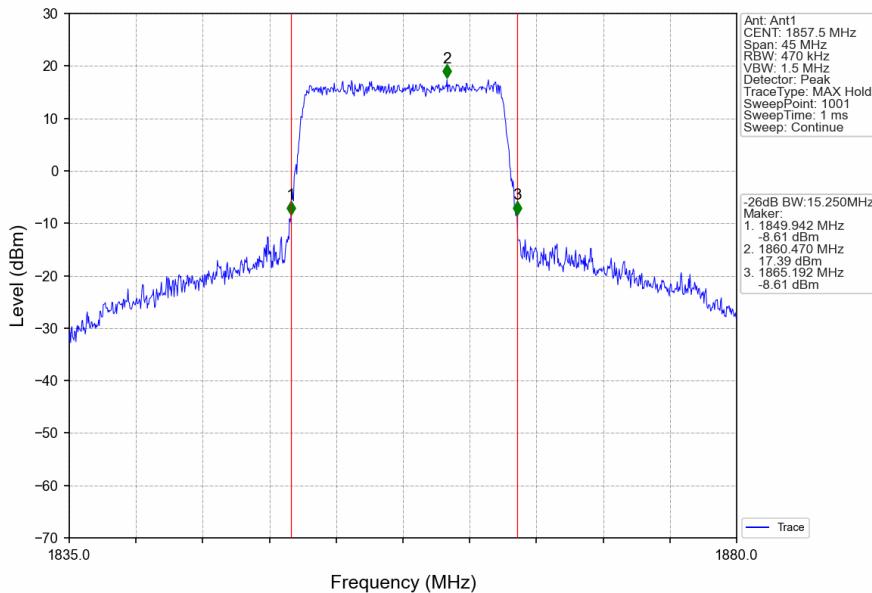
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Band2_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



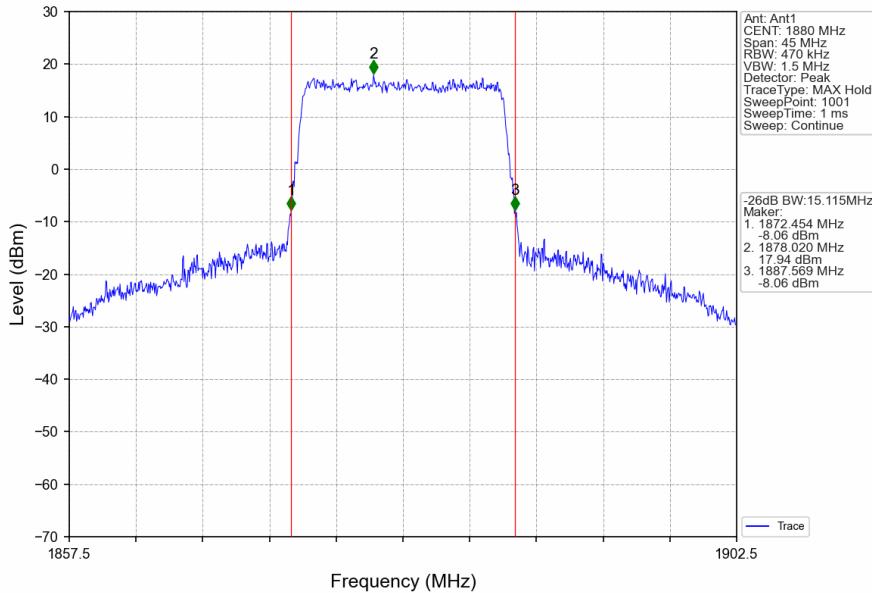
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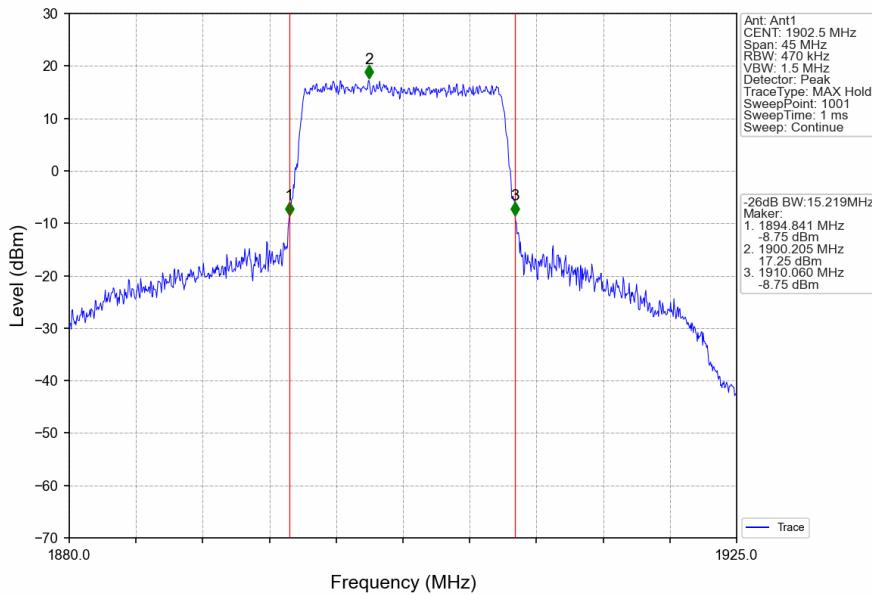
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Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV



Band2_15MHz_16QAM_HCH_1902.5MHz_RB_75_0_NTNV

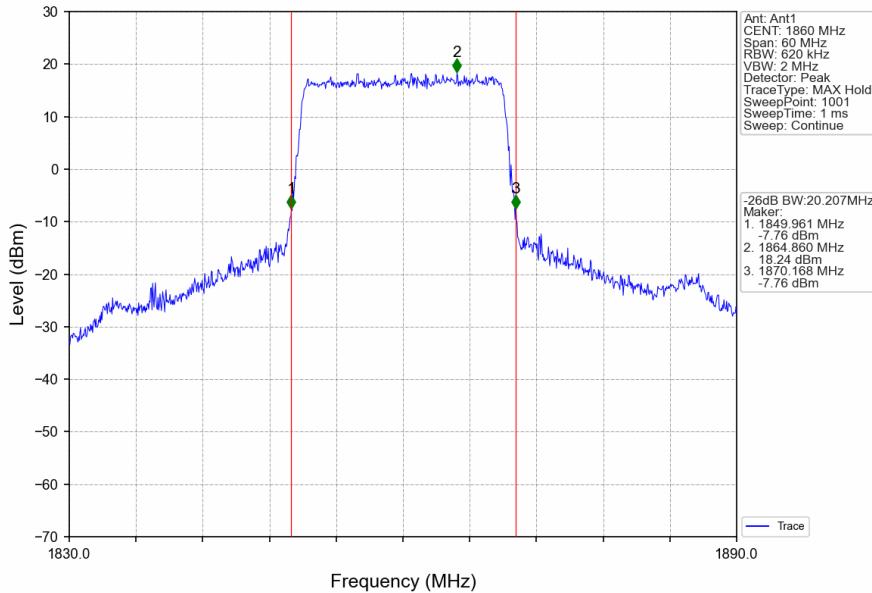
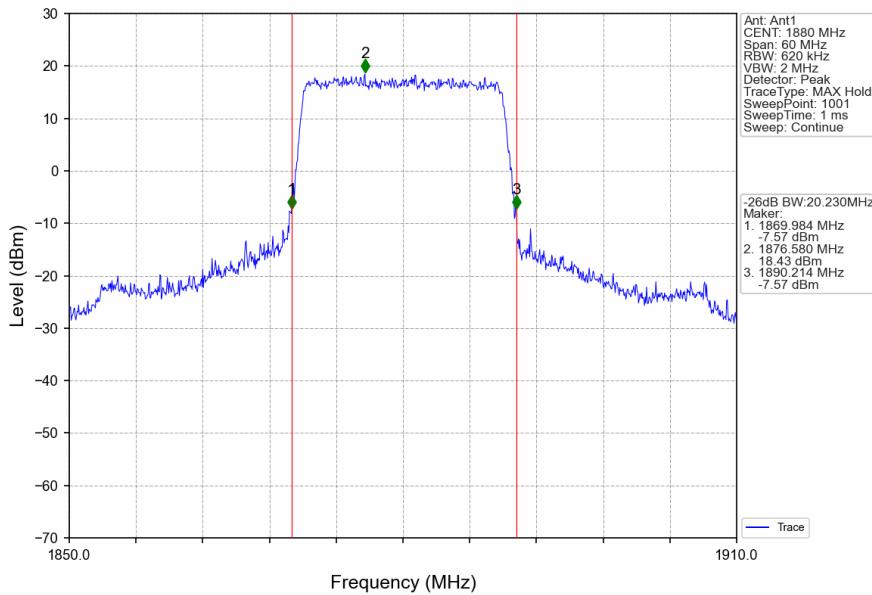


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Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV**Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV**

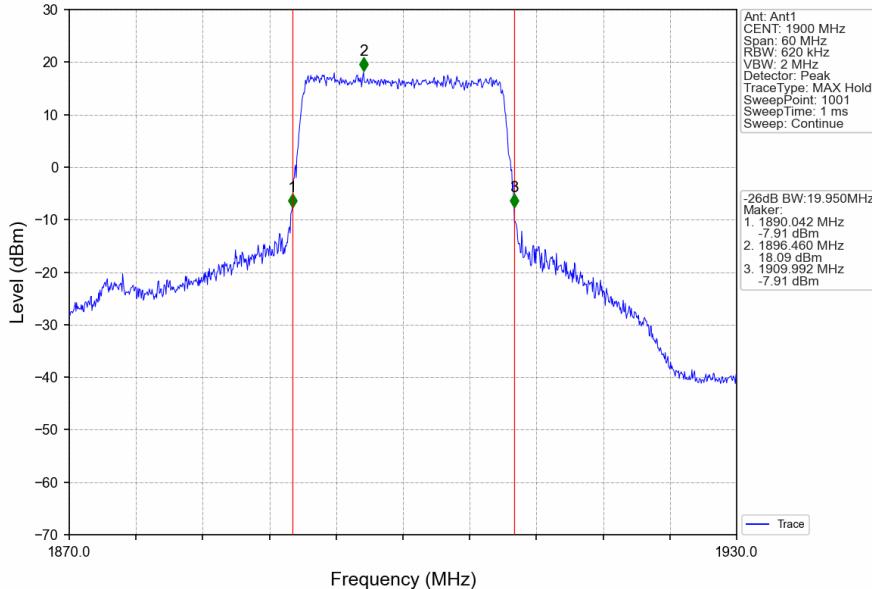
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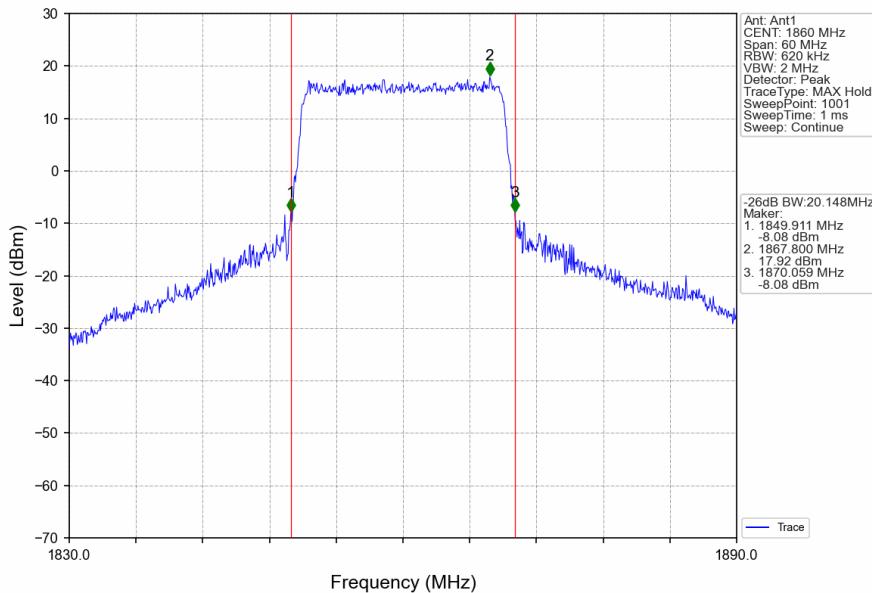
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Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



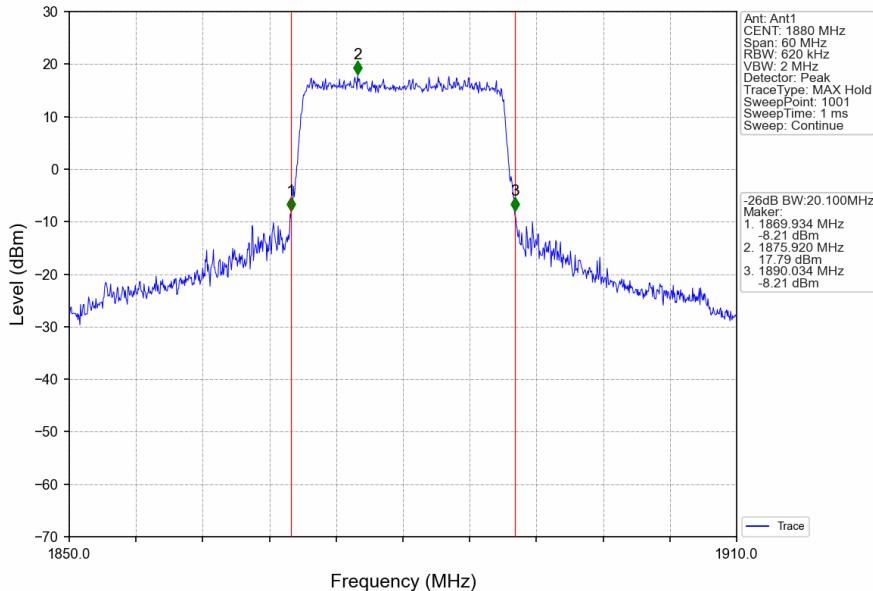
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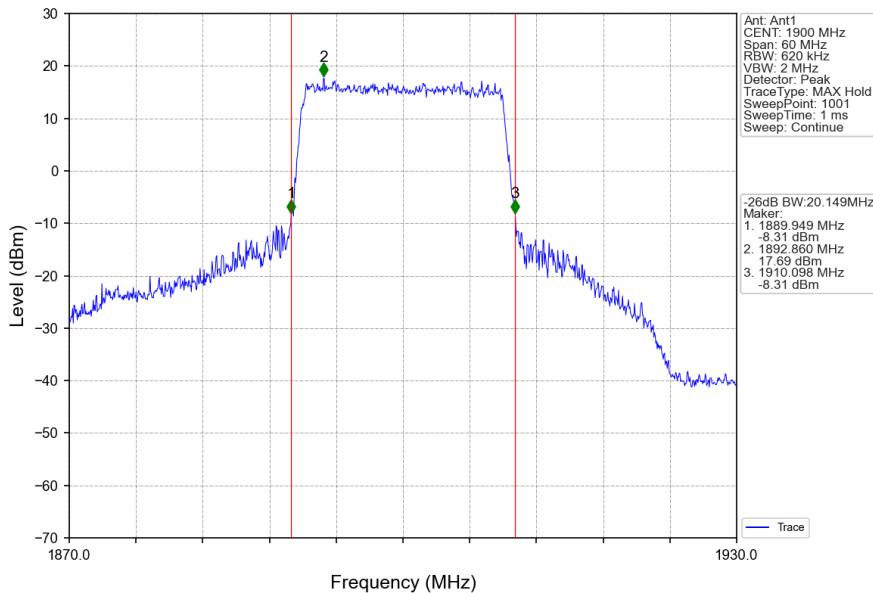
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Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV



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_1.4MHz

Band: 2 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	4.62	<=13	Pass
	1880	6	0	4.58	<=13	Pass
	1909.3	6	0	4.71	<=13	Pass
16QAM	1850.7	6	0	5.61	<=13	Pass
	1880	6	0	5.54	<=13	Pass
	1909.3	6	0	5.66	<=13	Pass

4.1.2 B2_3MHz

Band: 2 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	4.80	<=13	Pass
	1880	15	0	4.79	<=13	Pass
	1908.5	15	0	4.92	<=13	Pass
16QAM	1851.5	15	0	5.71	<=13	Pass
	1880	15	0	5.65	<=13	Pass
	1908.5	15	0	5.82	<=13	Pass

4.1.3 B2_5MHz

Band: 2 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	5.08	<=13	Pass
	1880	25	0	5.05	<=13	Pass
	1907.5	25	0	5.21	<=13	Pass
16QAM	1852.5	25	0	5.94	<=13	Pass



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	1880	25	0	5.88	<=13	Pass
	1907.5	25	0	6.08	<=13	Pass

4.1.4 B2_10MHz

Band: 2 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	5.16	<=13	Pass
	1880	50	0	5.13	<=13	Pass
	1905	50	0	5.30	<=13	Pass
16QAM	1855	50	0	5.98	<=13	Pass
	1880	50	0	5.95	<=13	Pass
	1905	50	0	6.11	<=13	Pass

4.1.5 B2_15MHz

Band: 2 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	5.13	<=13	Pass
	1880	75	0	5.05	<=13	Pass
	1902.5	75	0	5.24	<=13	Pass
16QAM	1857.5	75	0	5.96	<=13	Pass
	1880	75	0	5.89	<=13	Pass
	1902.5	75	0	6.07	<=13	Pass

4.1.6 B2_20MHz

Band: 2 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.15	<=13	Pass
	1880	100	0	5.08	<=13	Pass
	1900	100	0	5.22	<=13	Pass
16QAM	1860	100	0	6.01	<=13	Pass
	1880	100	0	5.95	<=13	Pass
	1900	100	0	6.07	<=13	Pass



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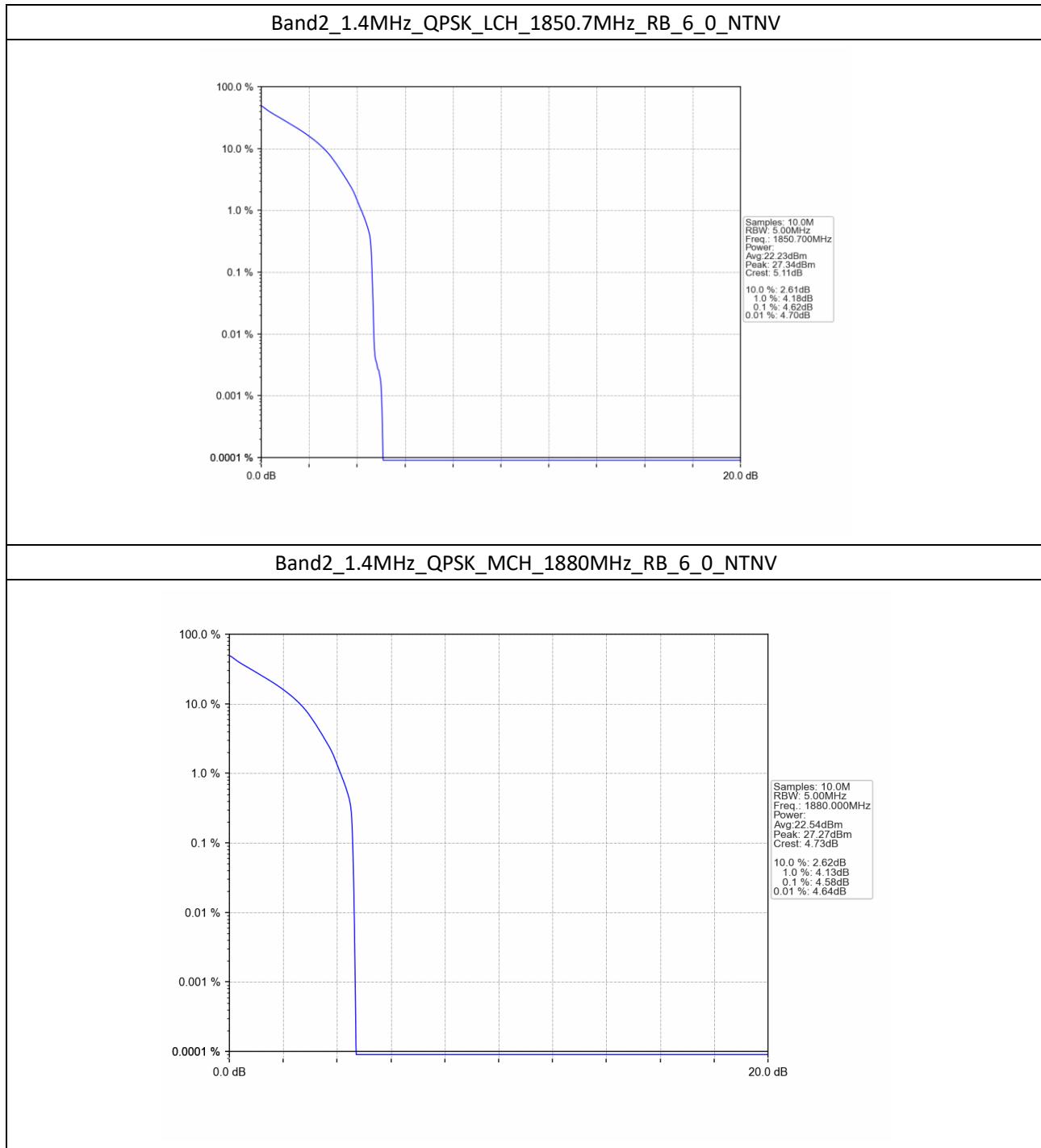
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4.2 Test Graph

4.2.1 B2_1.4MHz

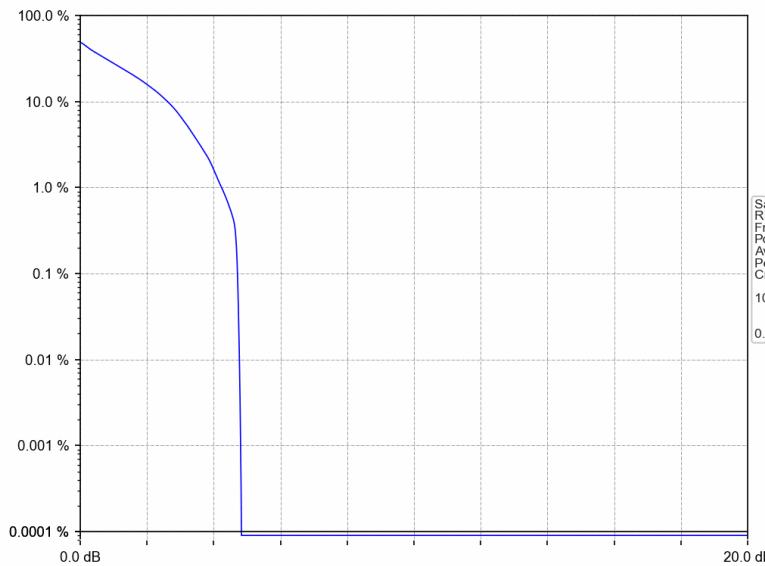
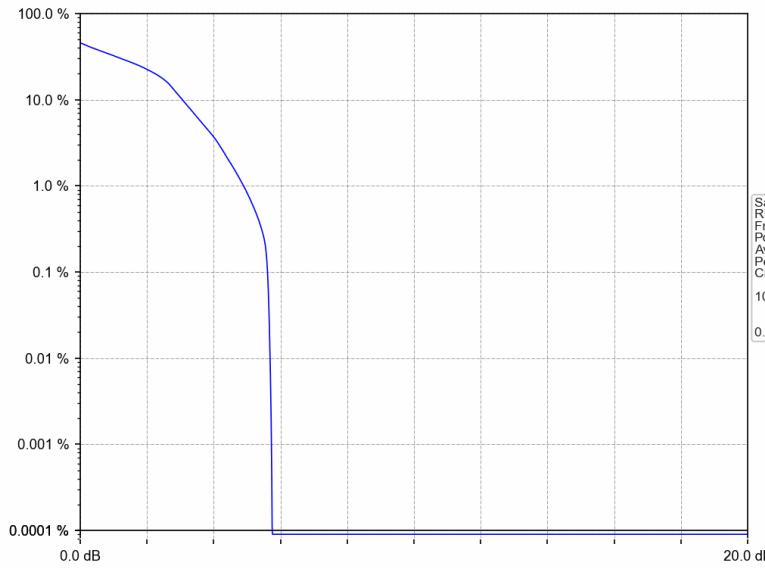


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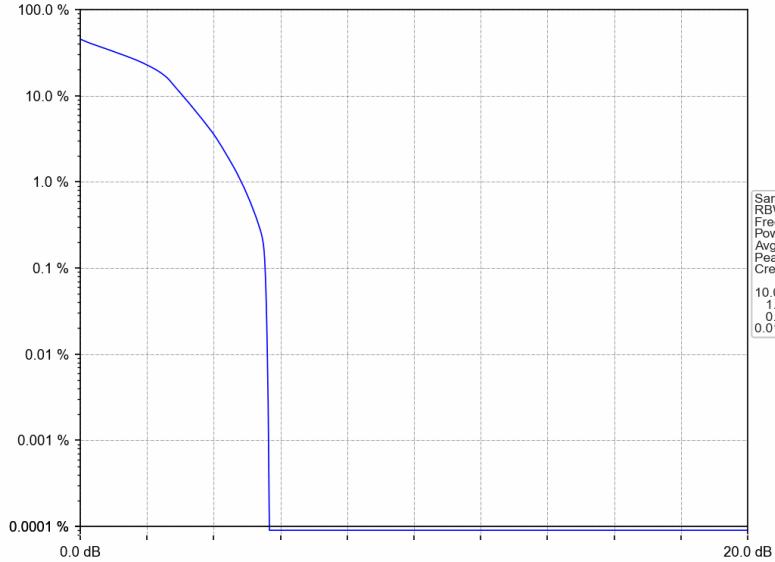
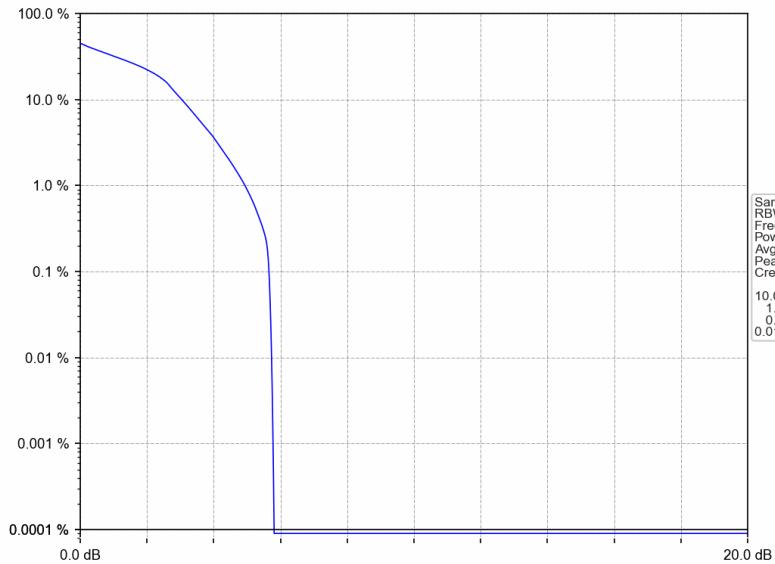
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV**Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV**

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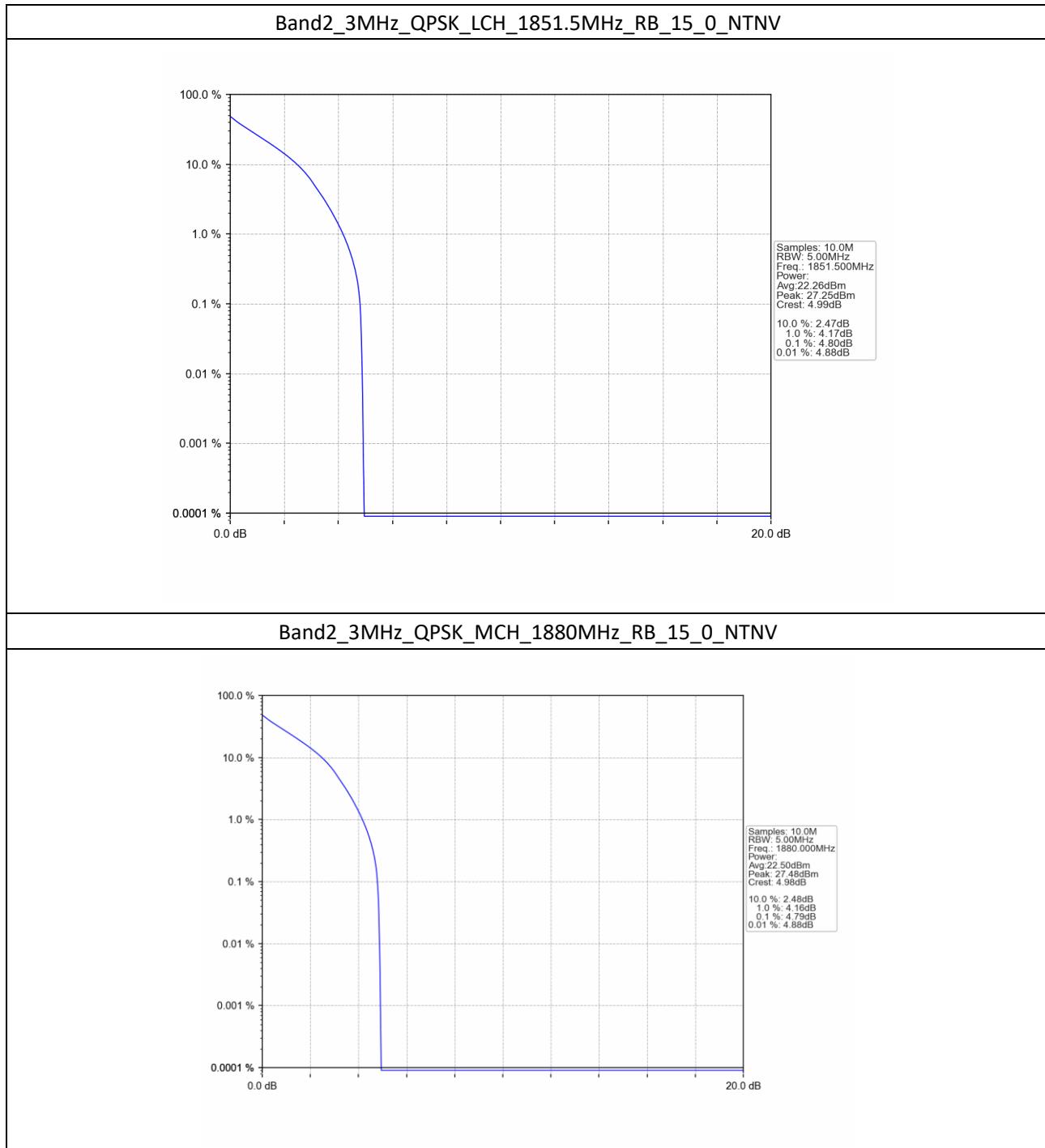
Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV**Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV**

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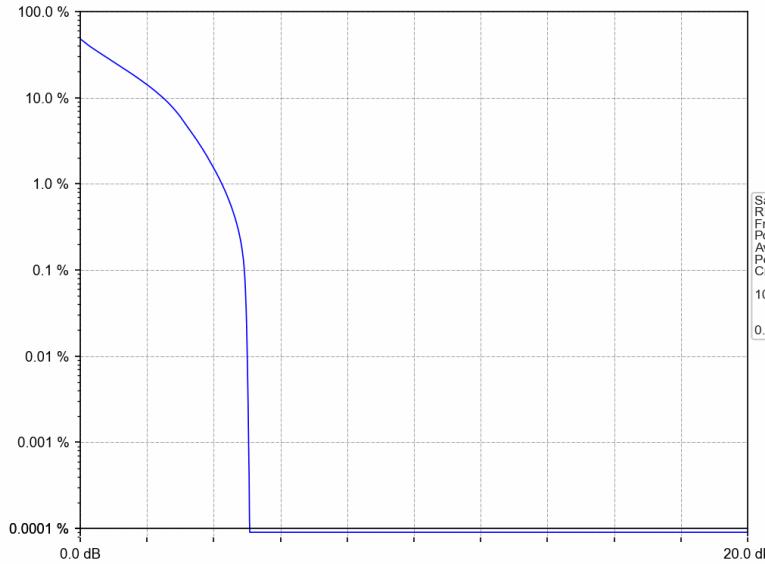
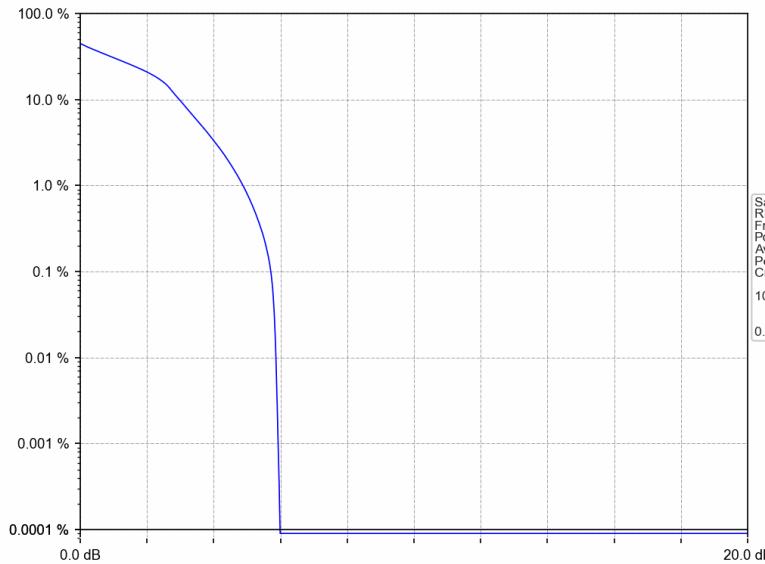
4.2.2 B2_3MHz

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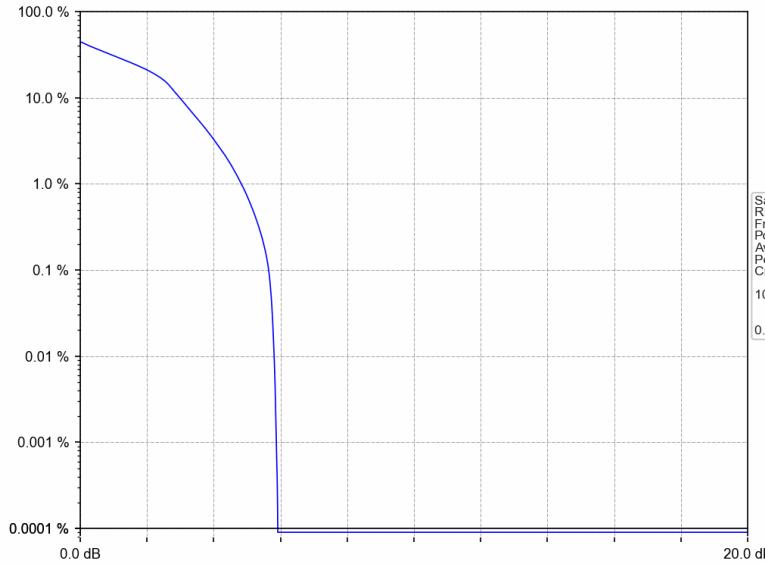
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV**Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV**

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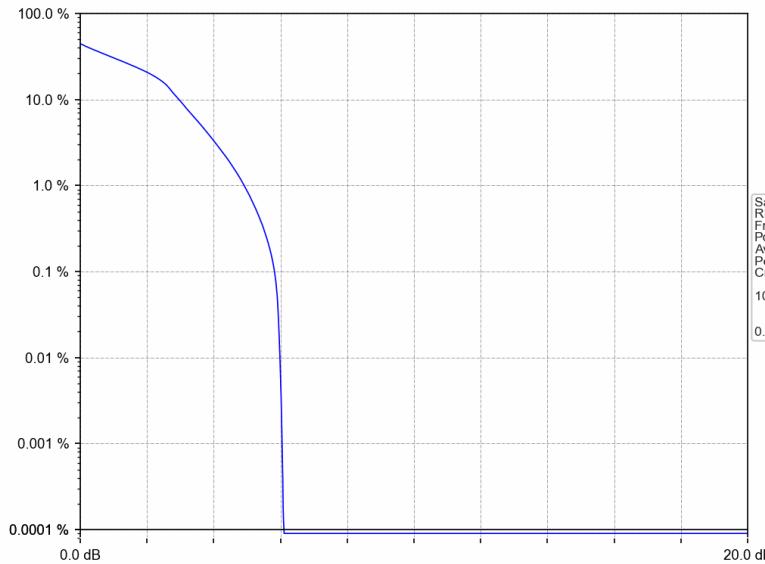
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Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV

Samples: 10.0M
RBW: 5.00MHz
Freq.: 1880.000MHz
Power:
Avg:21.51dBm
Peak:27.47dBm
Crest: 5.96dB

10.0 %: 2.98dB
1.0 %: 4.83dB
0.1 %: 5.65dB
0.01 %: 5.81dB

Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV

Samples: 10.0M
RBW: 5.00MHz
Freq.: 1908.500MHz
Power:
Avg:21.18dBm
Peak:27.33dBm
Crest: 5.15dB

10.0 %: 2.96dB
1.0 %: 4.91dB
0.1 %: 5.82dB
0.01 %: 5.98dB

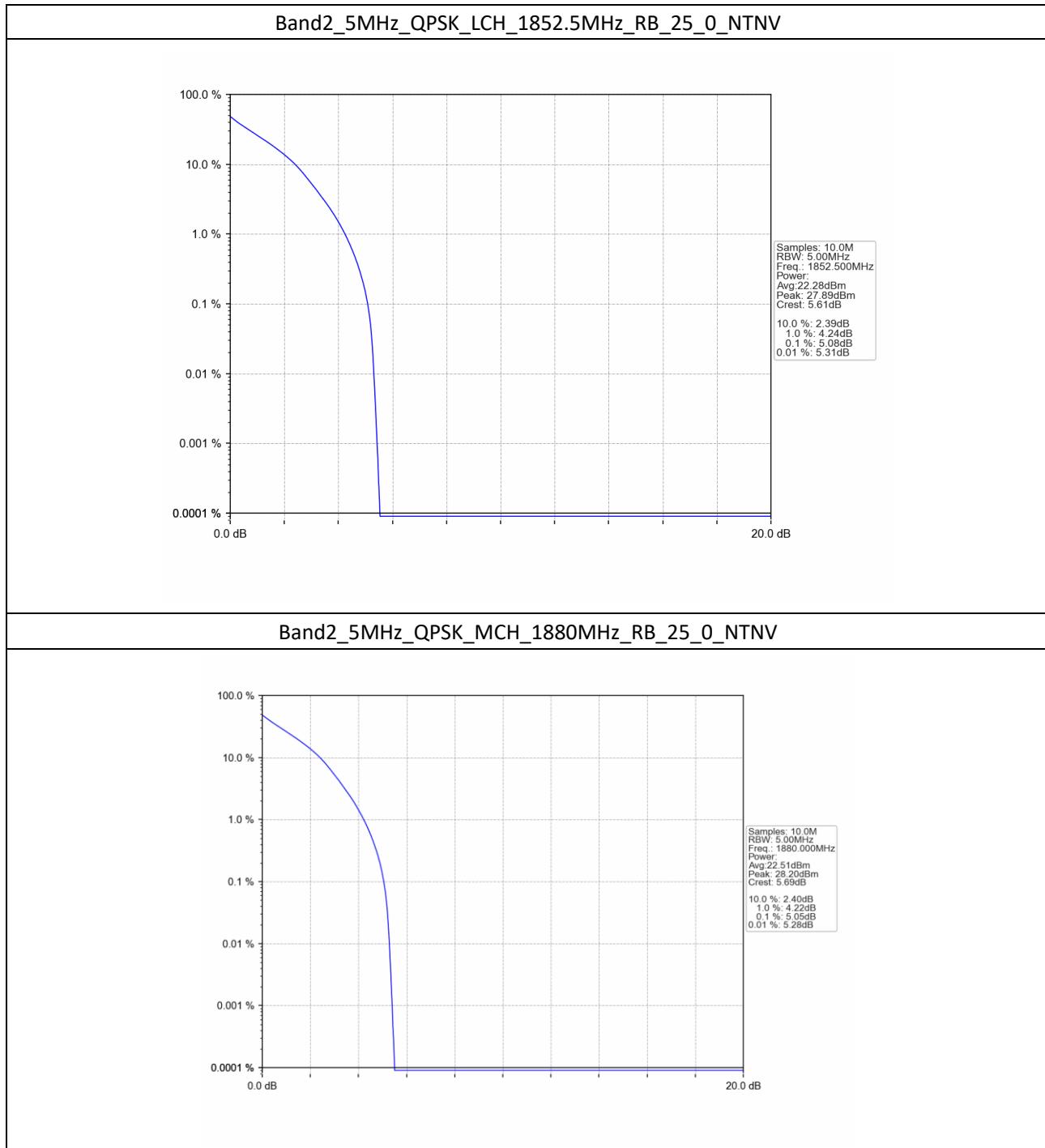


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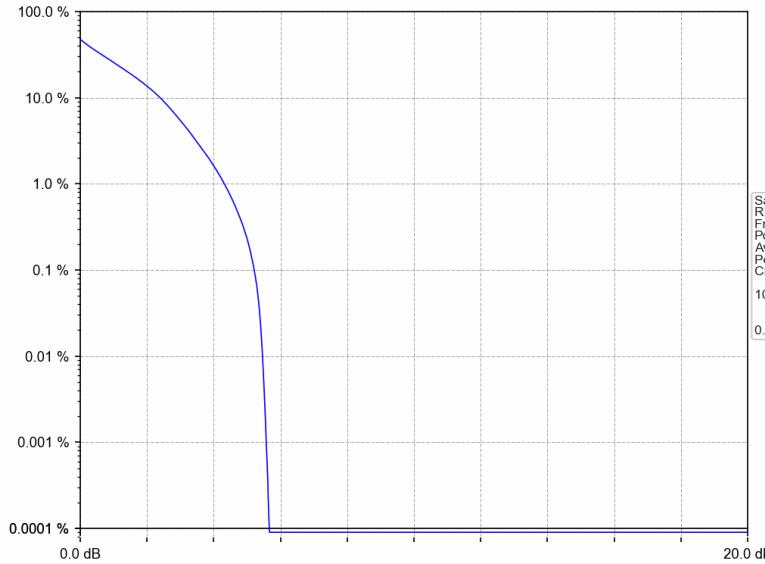
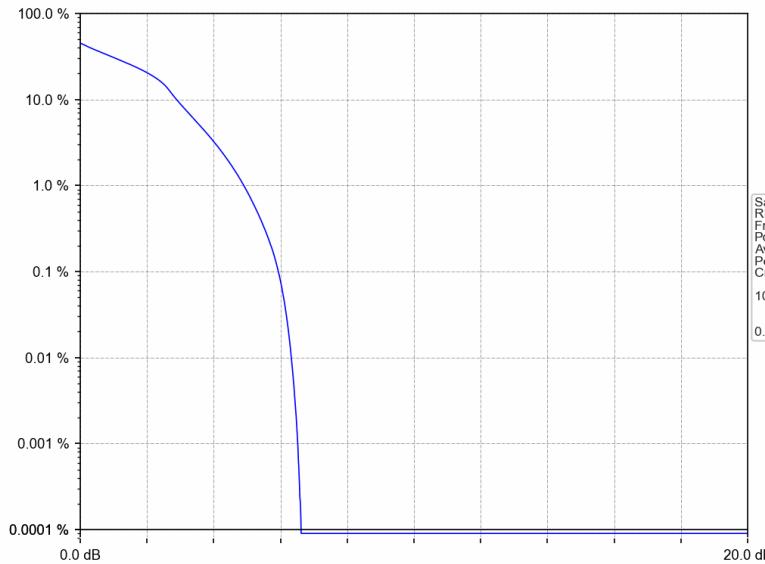
4.2.3 B2_5MHz

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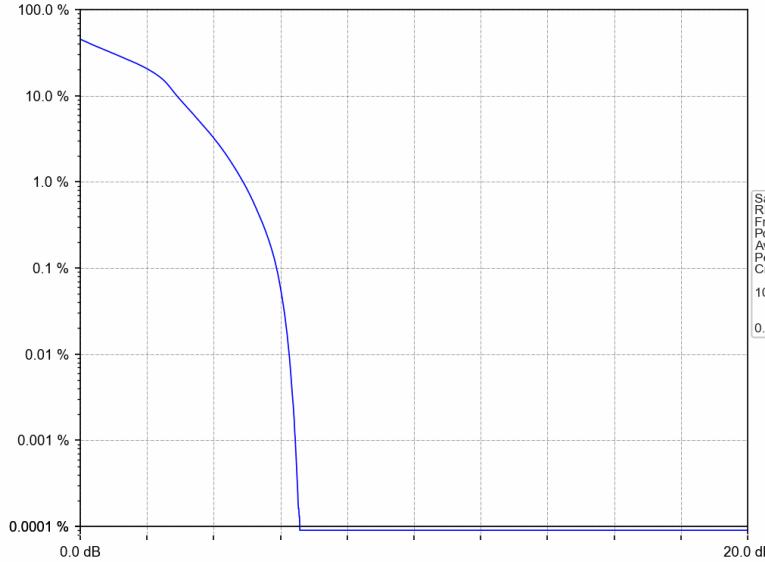
Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV**Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV**

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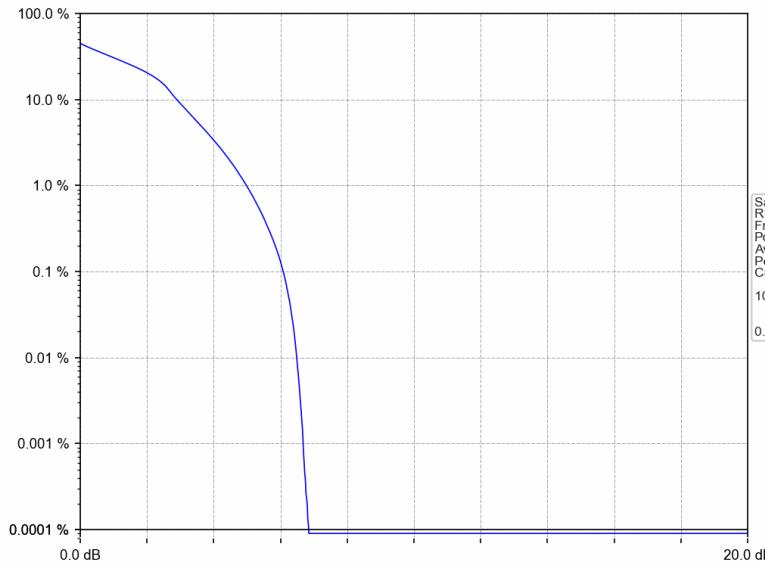
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Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV

Samples: 10.0M
RBW: 5.00MHz
Freq.: 1880.000MHz
Power:
Avg:21.52dBm
Peak:28.20dBm
Crest: 6.68dB

Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV

Samples: 10.0M
RBW: 5.00MHz
Freq.: 1907.500MHz
Power:
Avg:21.10dBm
Peak:28.06dBm
Crest: 6.96dB

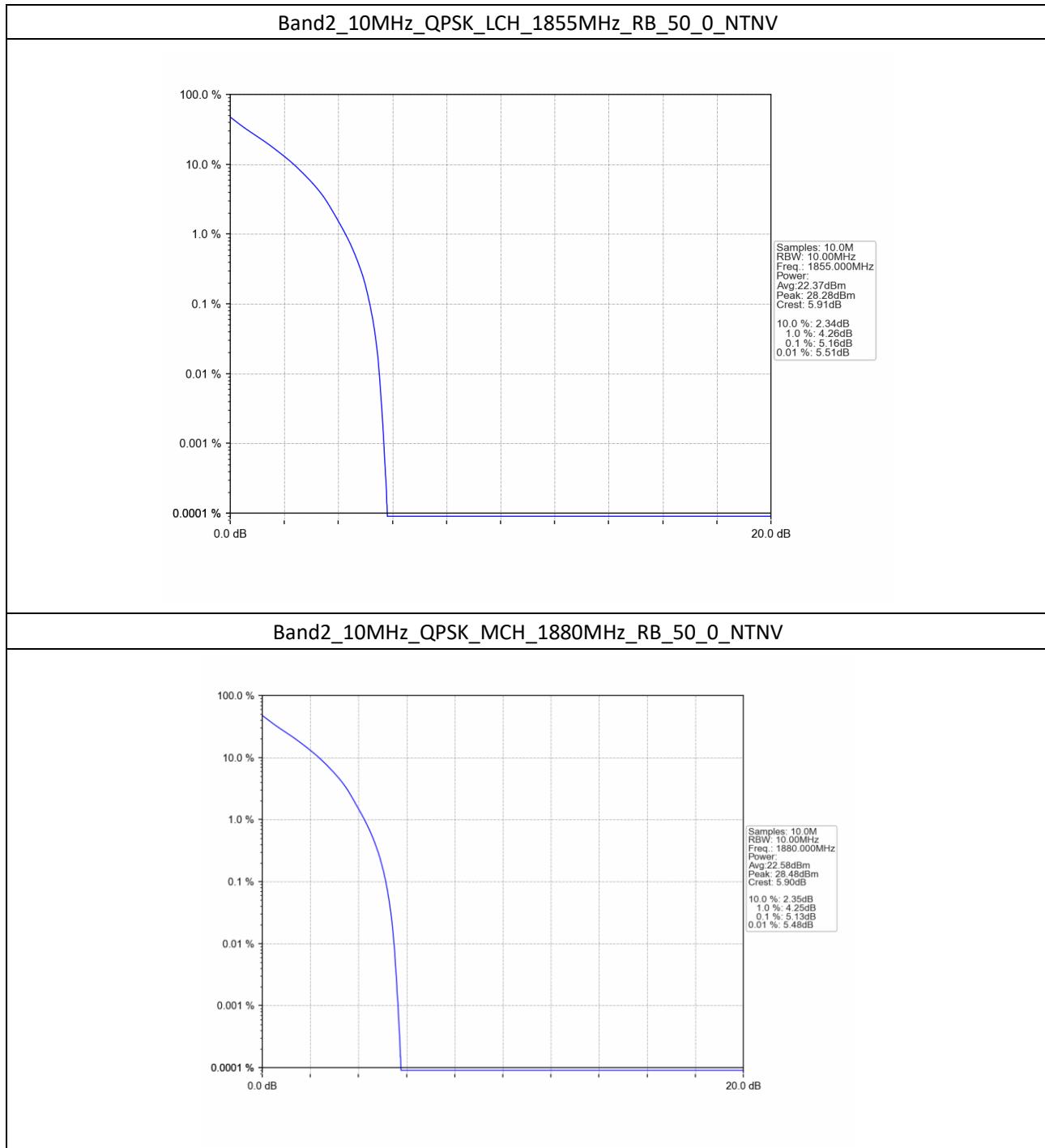
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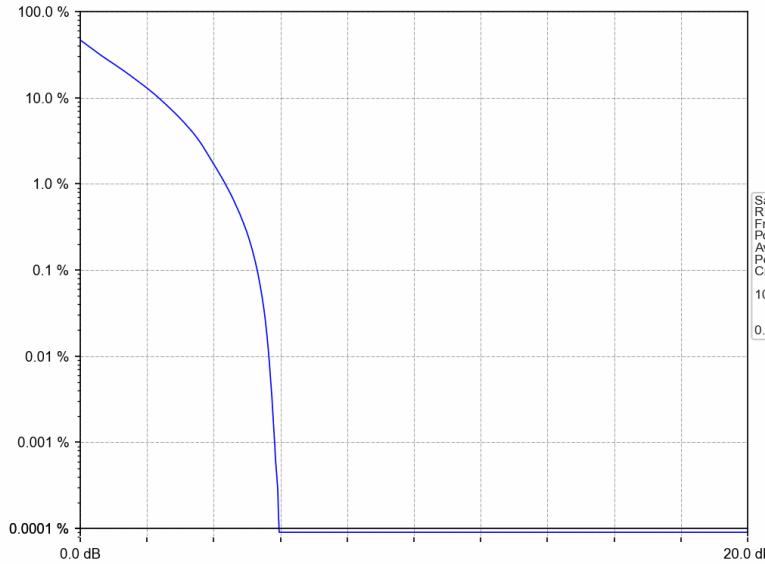
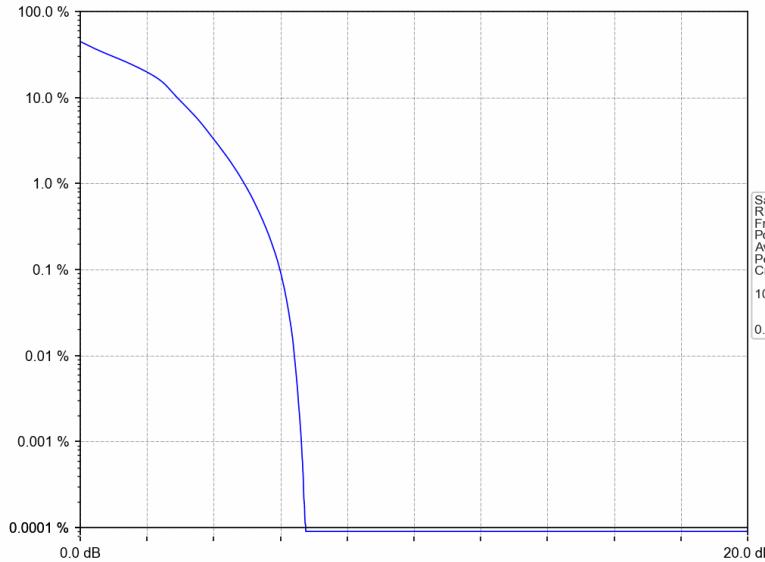
4.2.4 B2_10MHz

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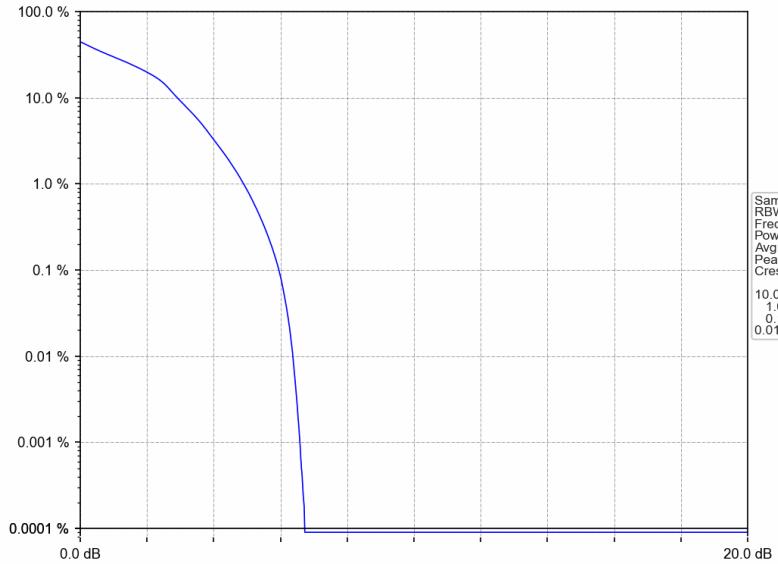
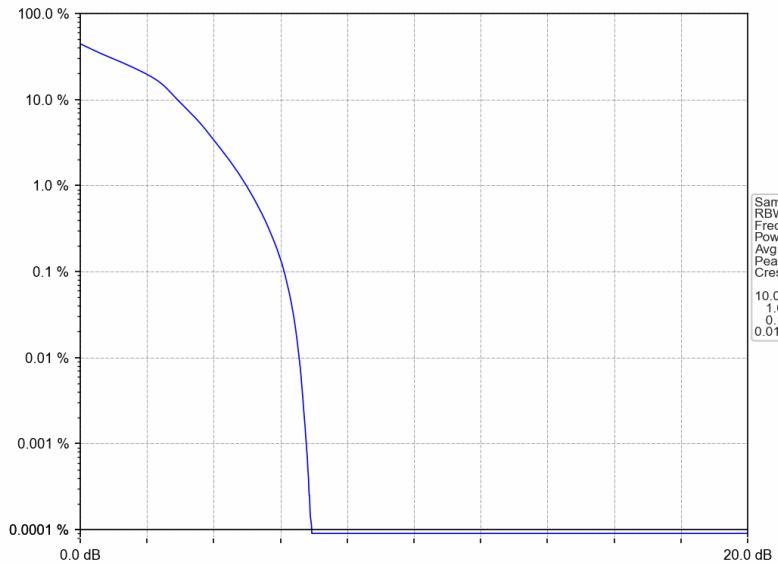
Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV**Band2_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV**

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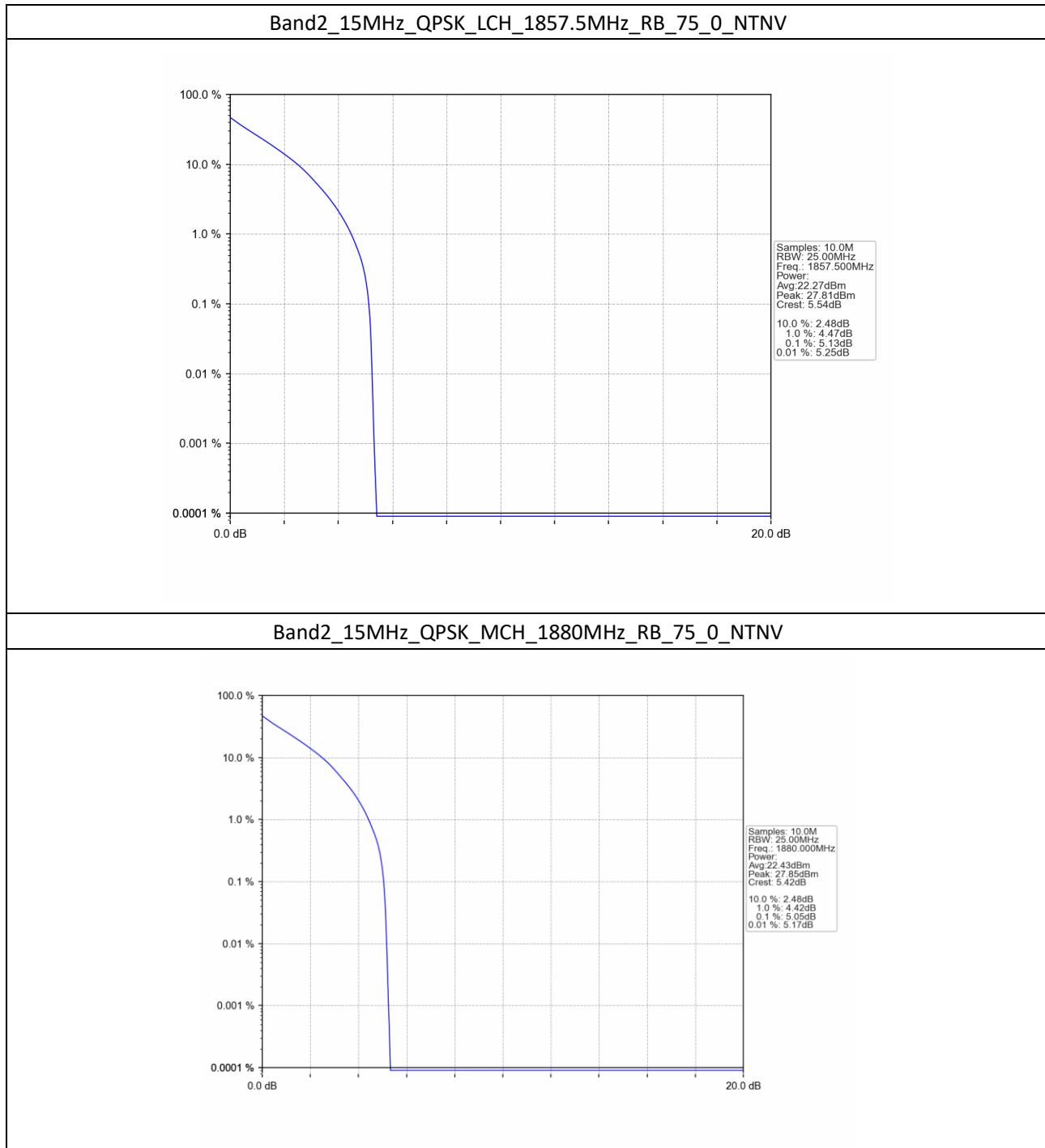
Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV**Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV**

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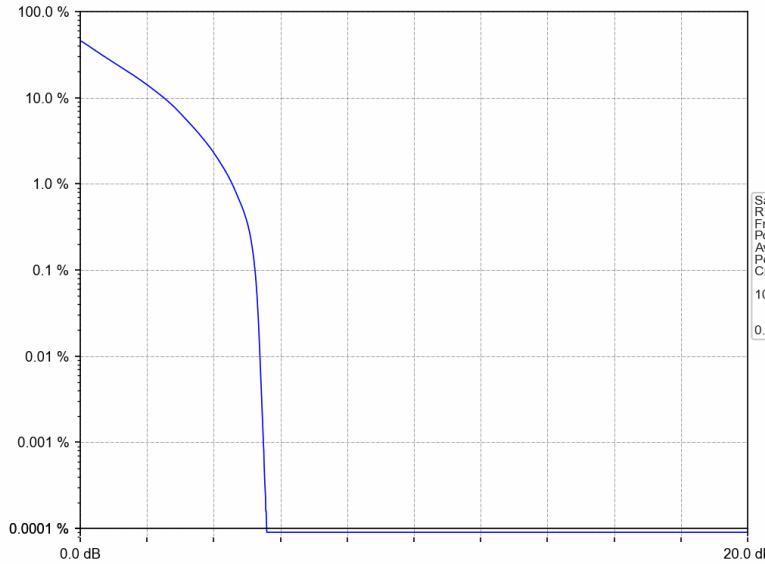
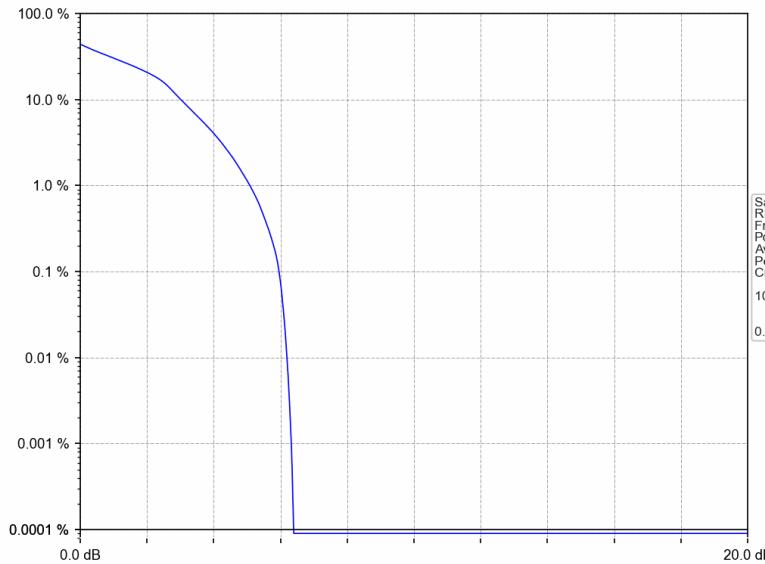
4.2.5 B2_15MHz

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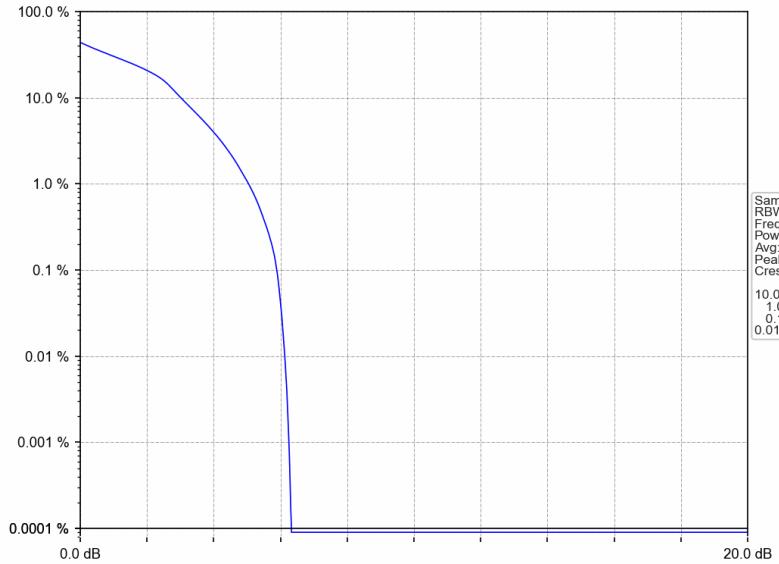
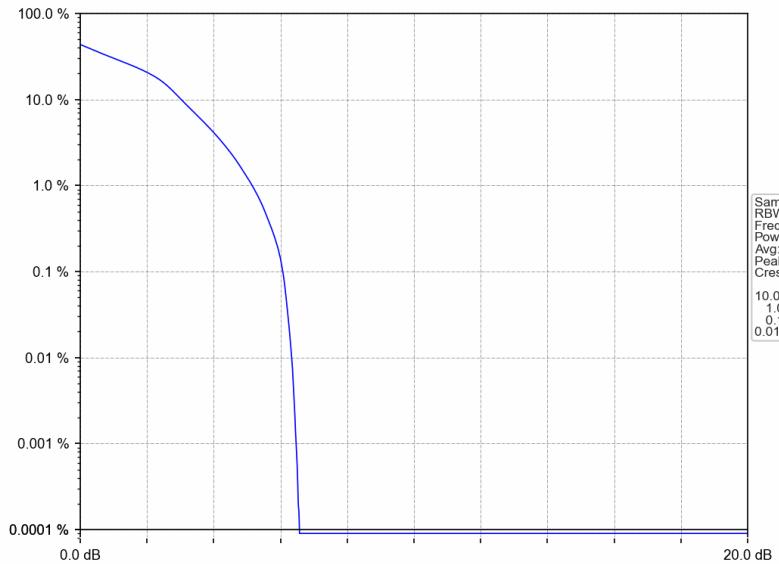
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV**Band2_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV**

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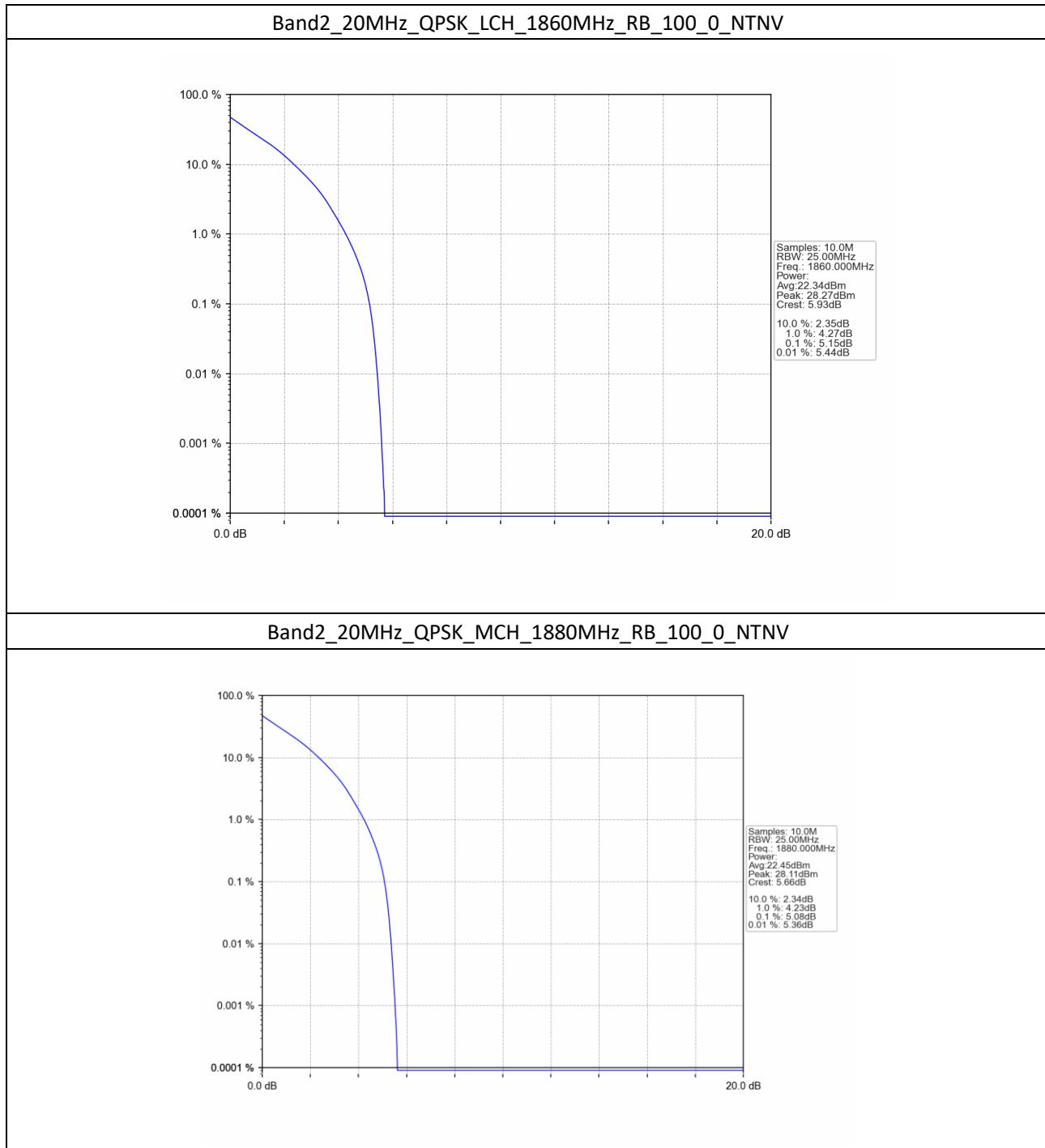
Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV**Band2_15MHz_16QAM_HCH_1902.5MHz_RB_75_0_NTNV**

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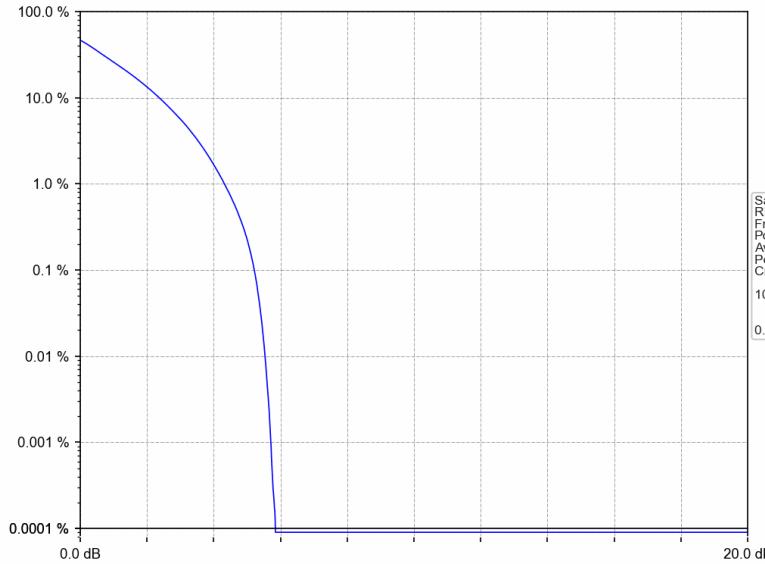
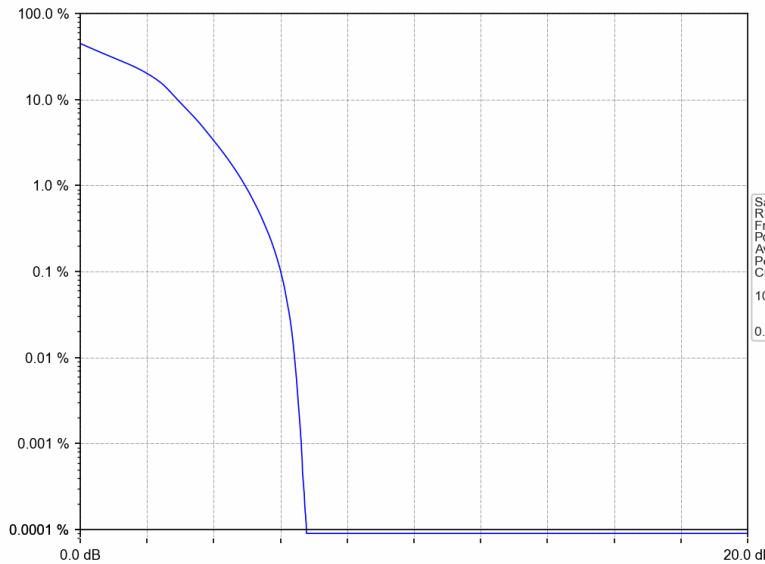
4.2.6 B2_20MHz

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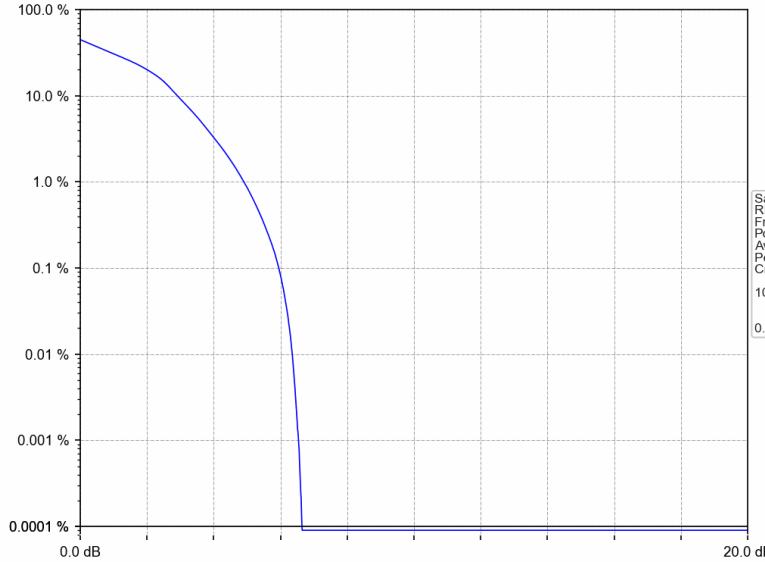
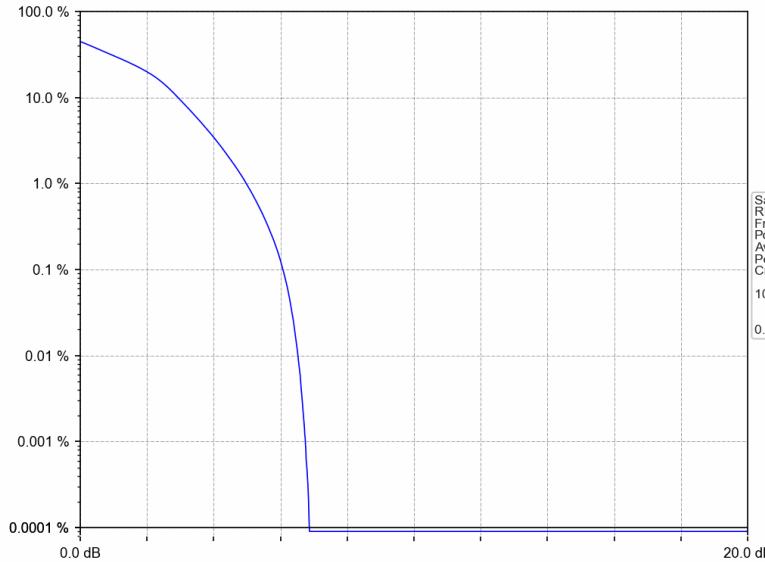
Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV**Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV**

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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 / NTV						
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
16QAM	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 / NTV						
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
16QAM	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

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		14	Refer To Test Graph	Pass
		15	0	Refer To Test Graph

5.1.3 B2_5MHz

Band: 2 / Bandwidth: 5MHz / NTVN						
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
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	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

5.1.4 B2_10MHz

Band: 2 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		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
16QAM	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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5.1.5 B2_15MHz

Band: 2 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		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
16QAM	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		Verdict
		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
16QAM	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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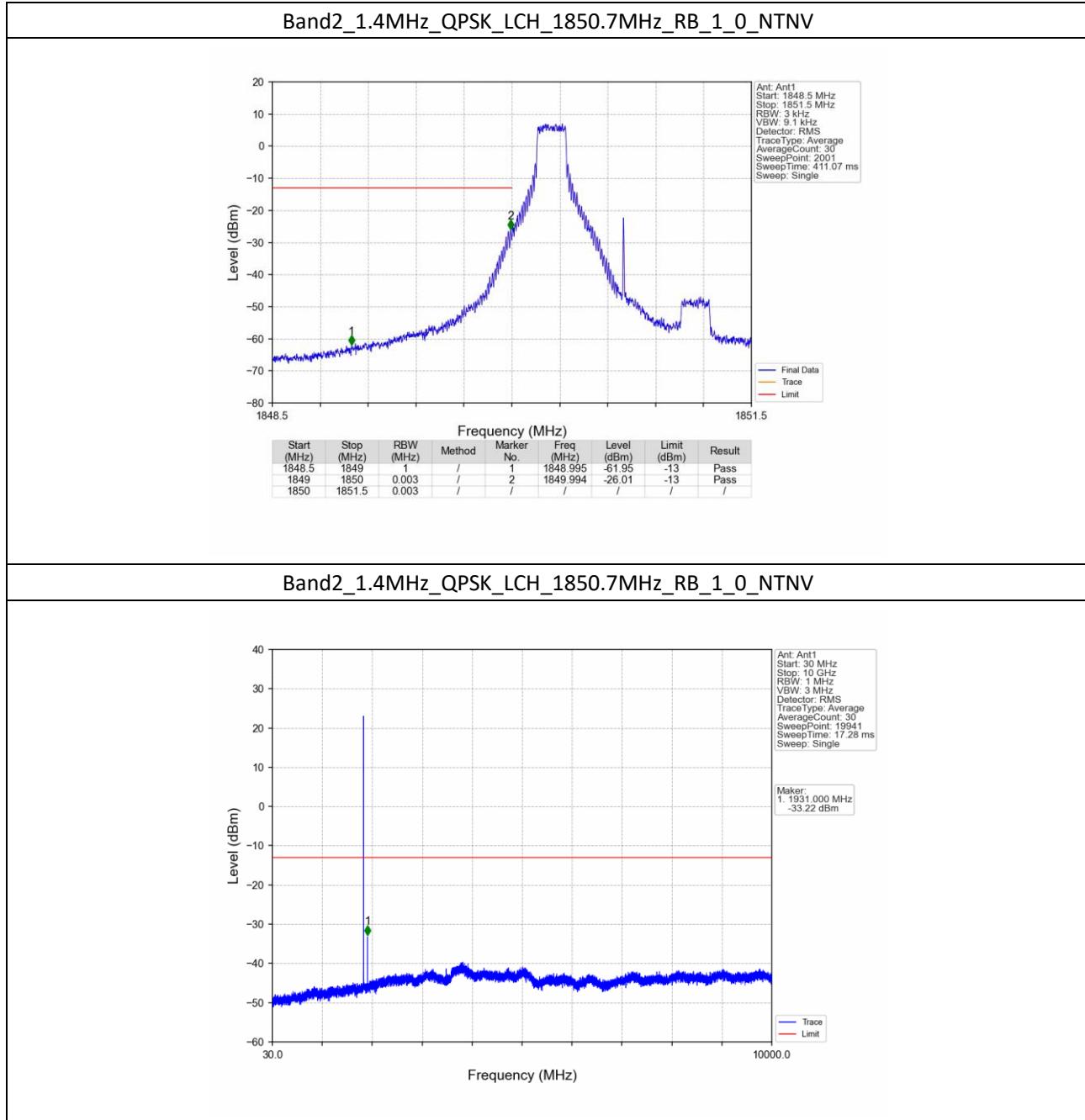
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5.2 Test Graph

5.2.1 B2_1.4MHz

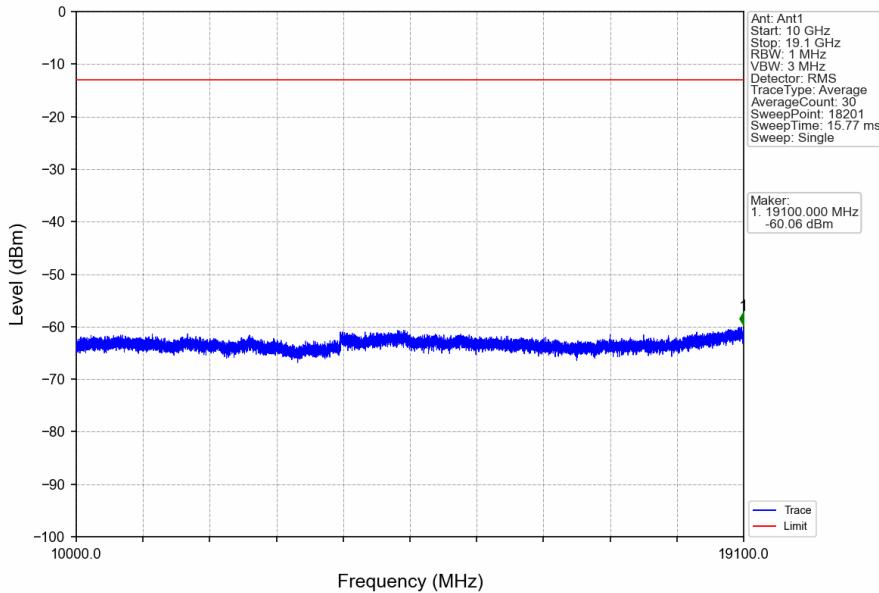


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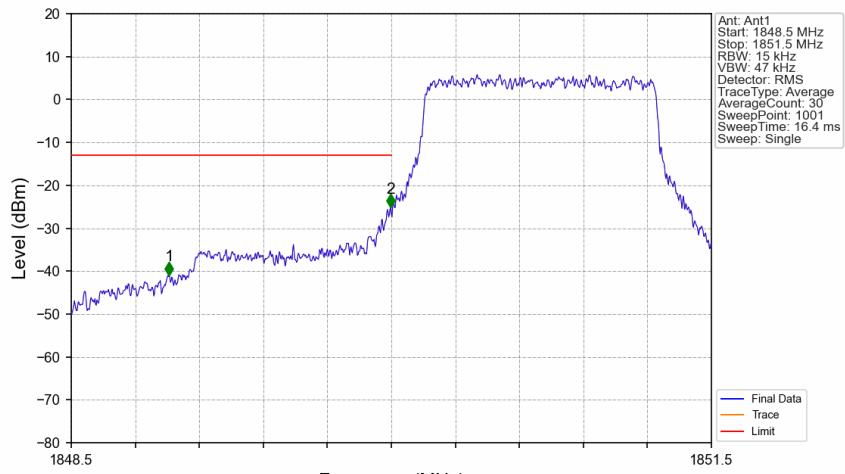
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Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



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	1848.959	-40.96	-13	Pass
1849	1850	0.015	/	2	1849.997	-25.11	-13	Pass
1850	1851.5	0.015	/	/	/	/	-13	/

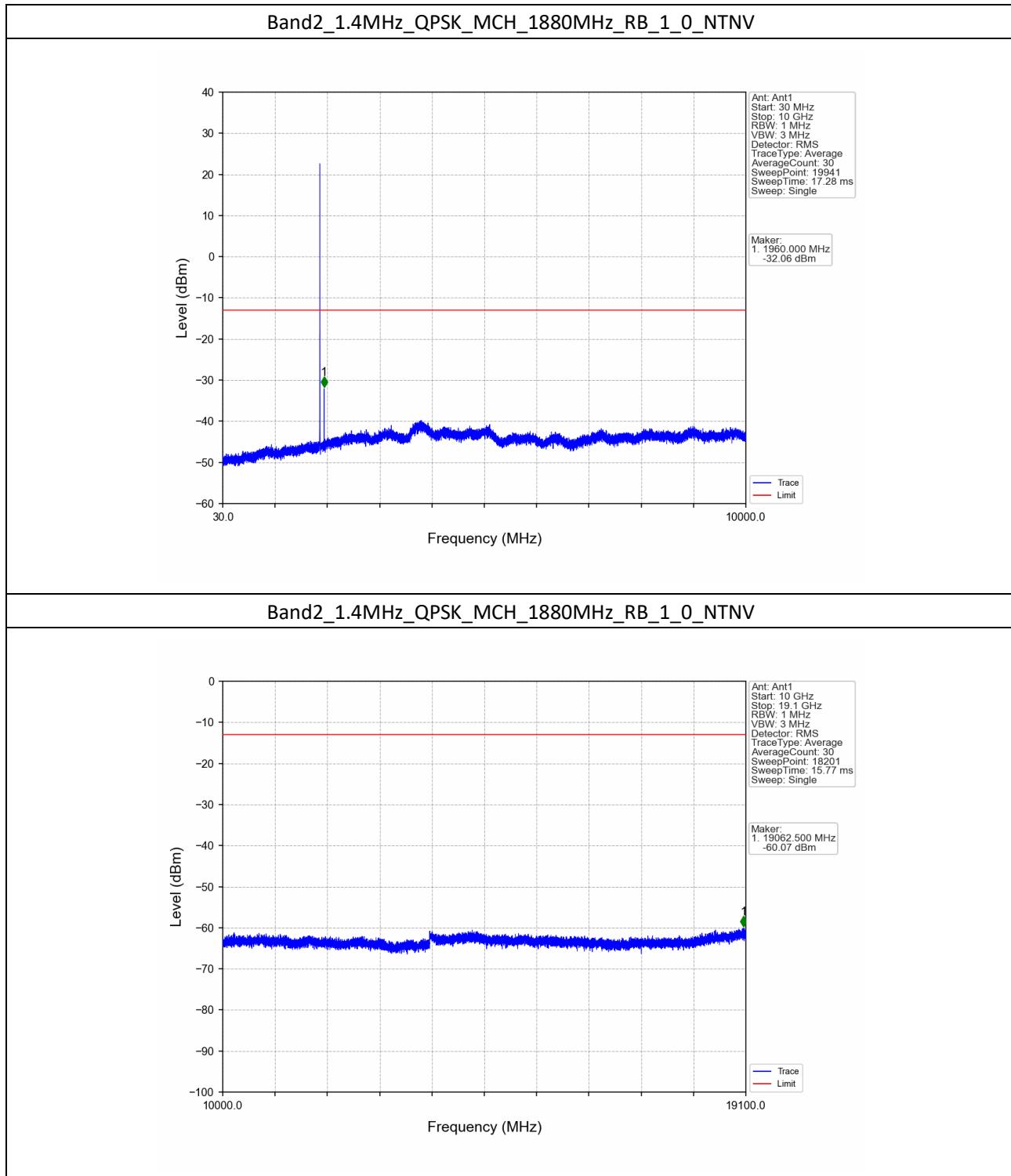


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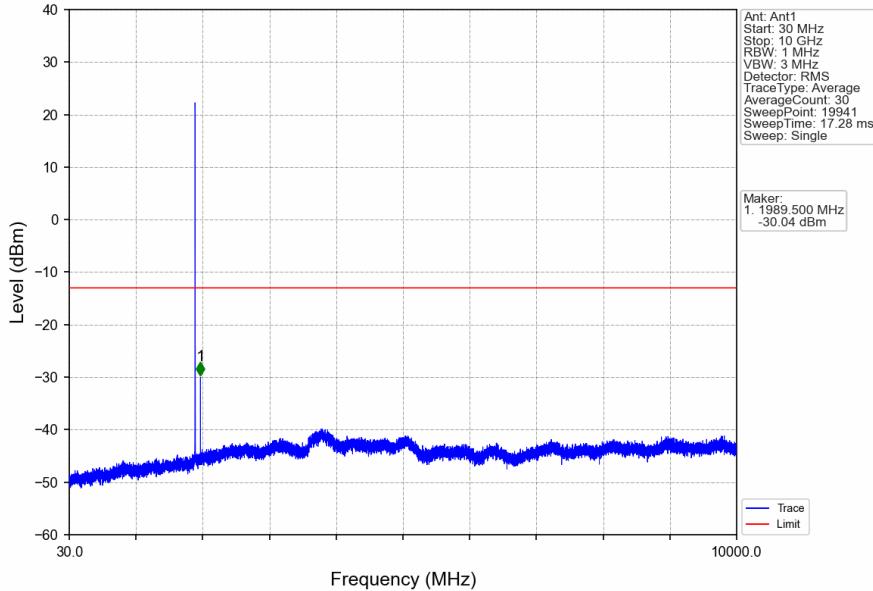
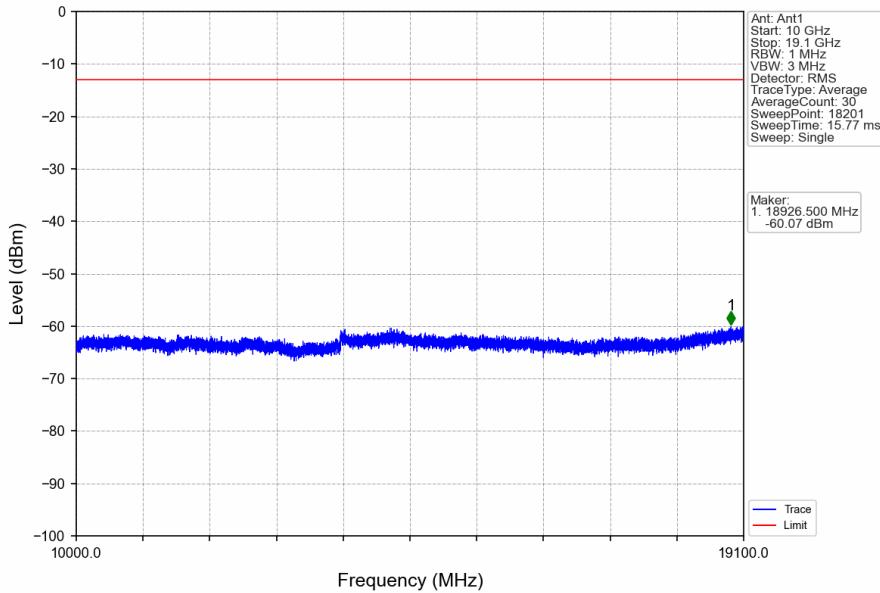


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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV**Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV**

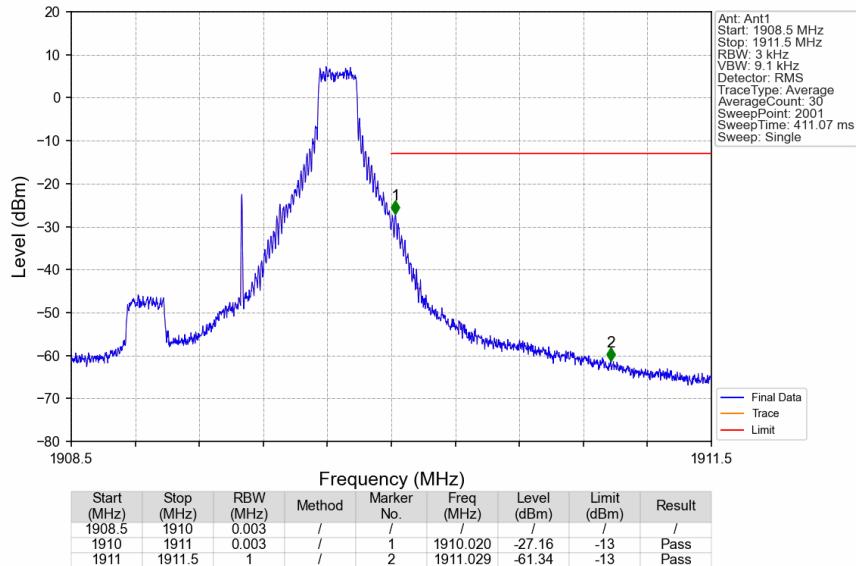
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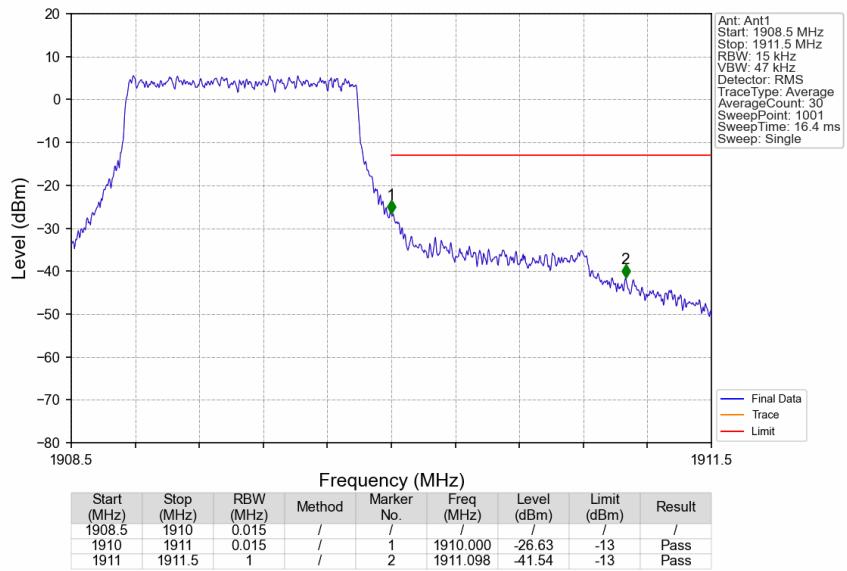
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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_5_NTNV



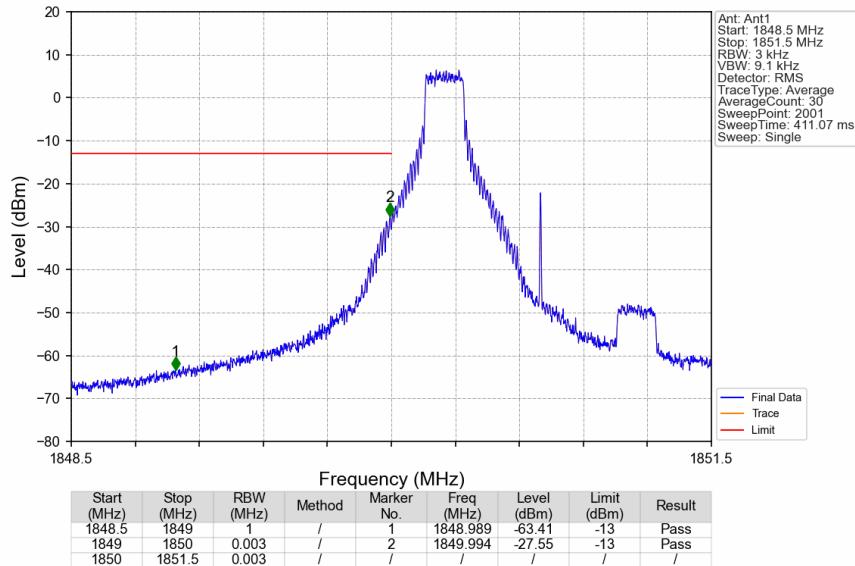
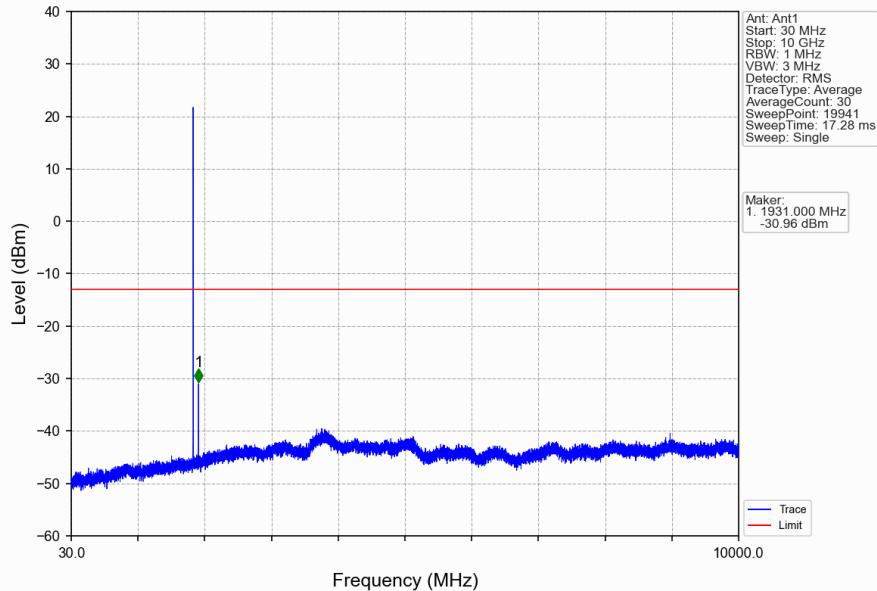
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



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Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_1_0_NTNV**Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_1_0_NTNV**

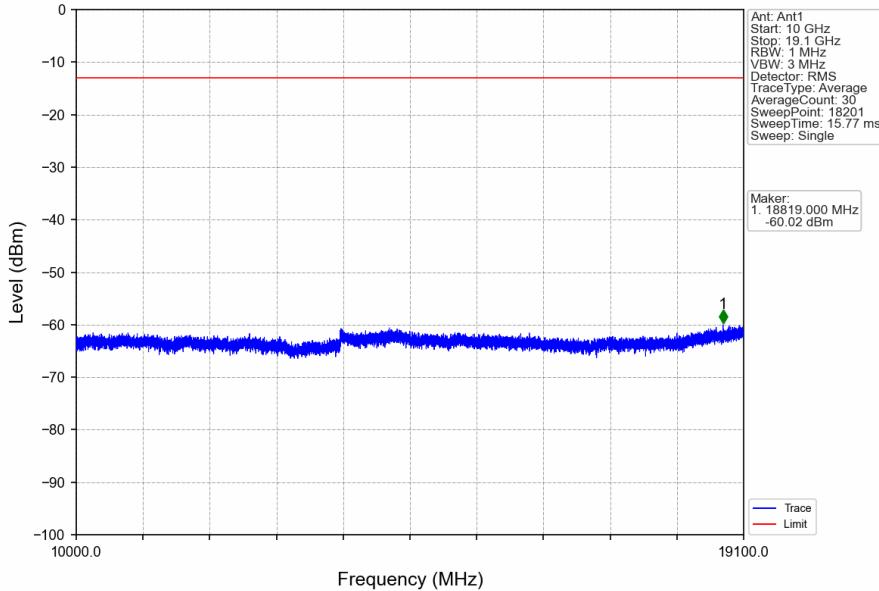
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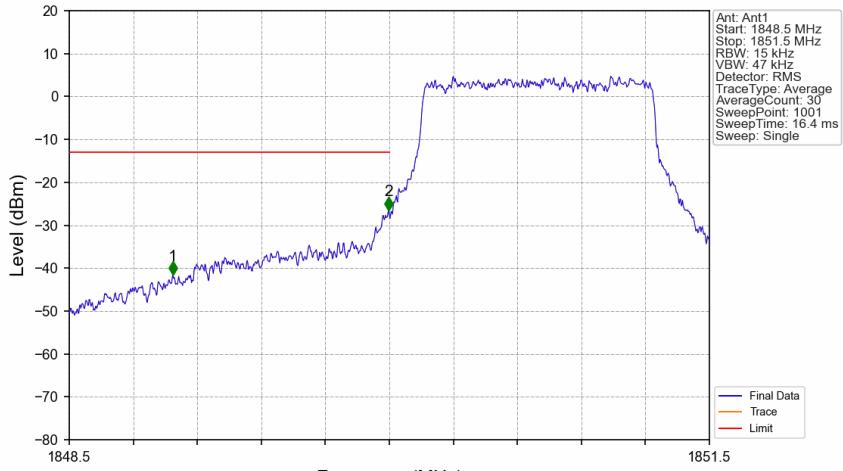
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Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_1_0_NTNV



Band2_1.4MHz_16QAM_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	1848.986	-41.55	-13	Pass
1849	1850	0.015	/	2	1849.997	-26.49	-13	Pass
1850	1851.5	0.015	/	/	/	/	/	/

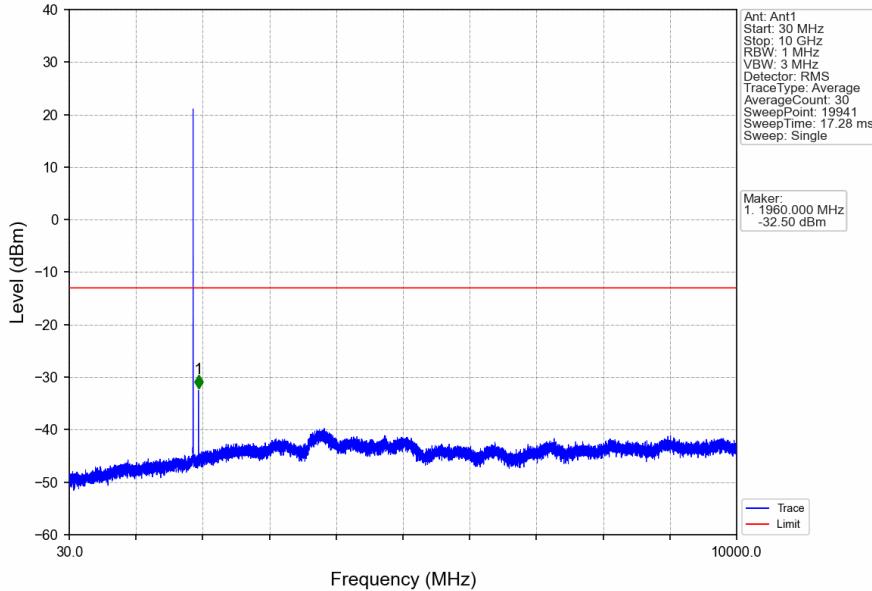
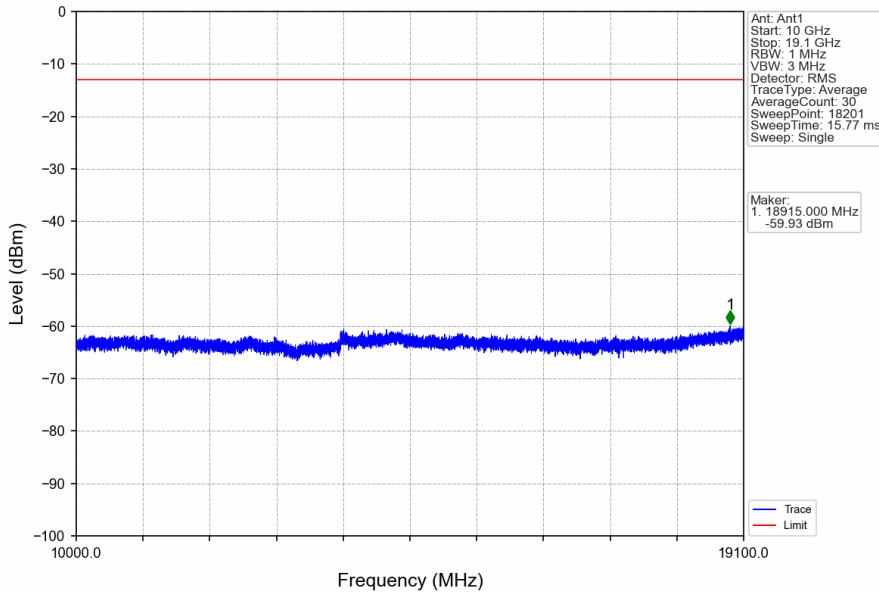


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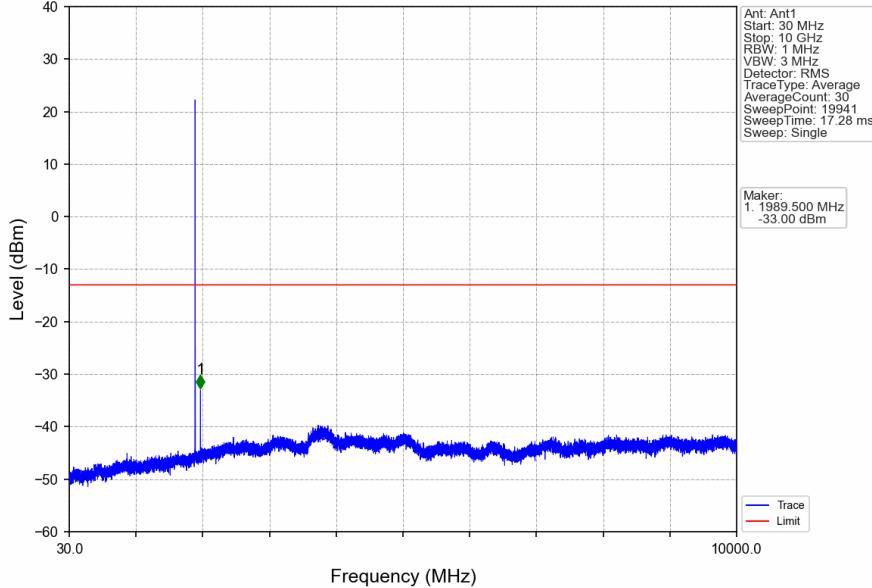
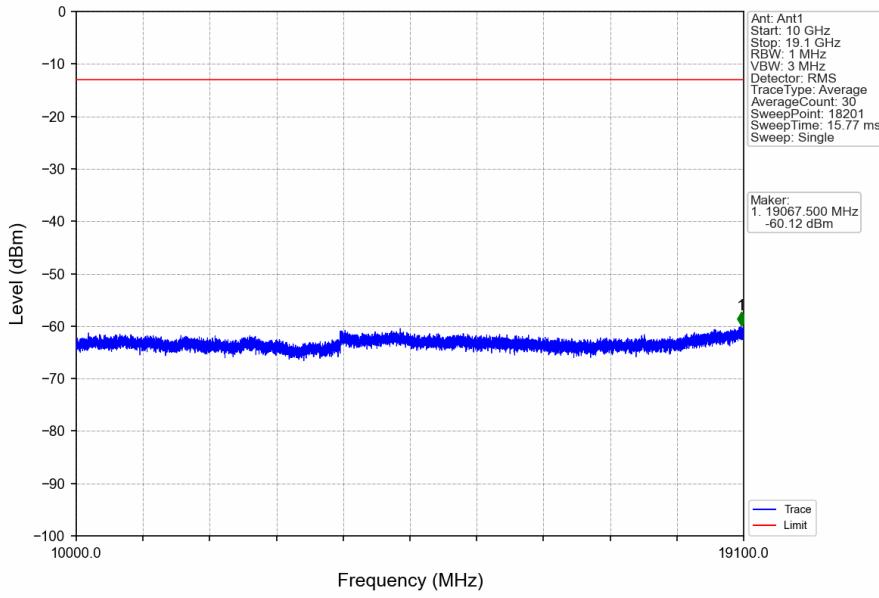
Band2_1.4MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV**Band2_1.4MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV**

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Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_1_0_NTNV**Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_1_0_NTNV**

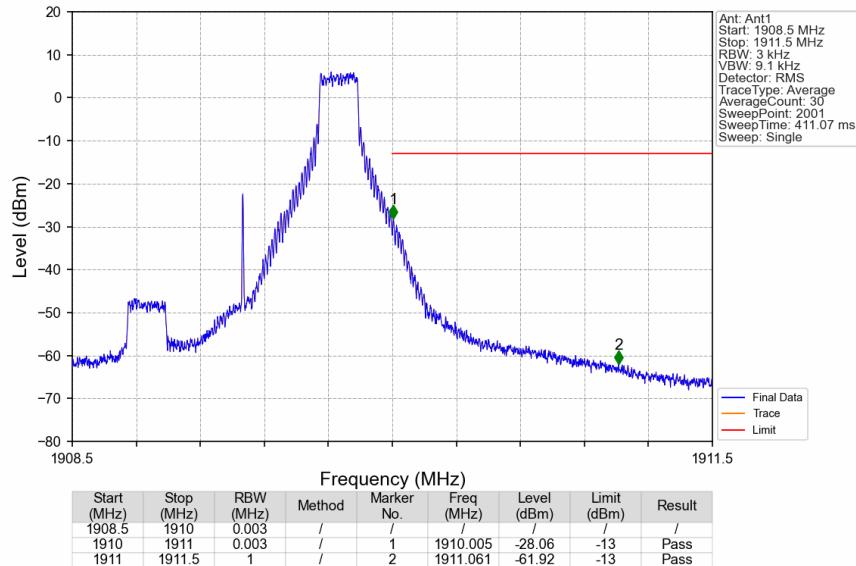
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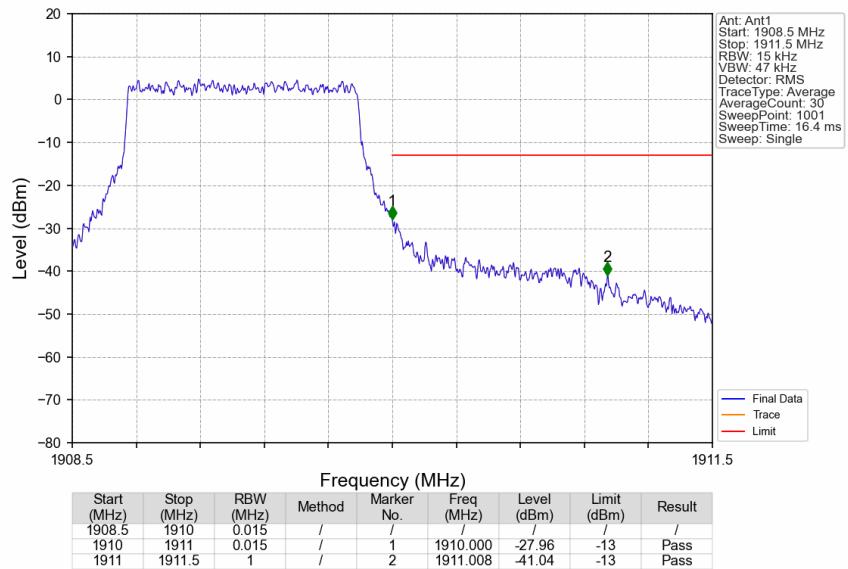
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Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV



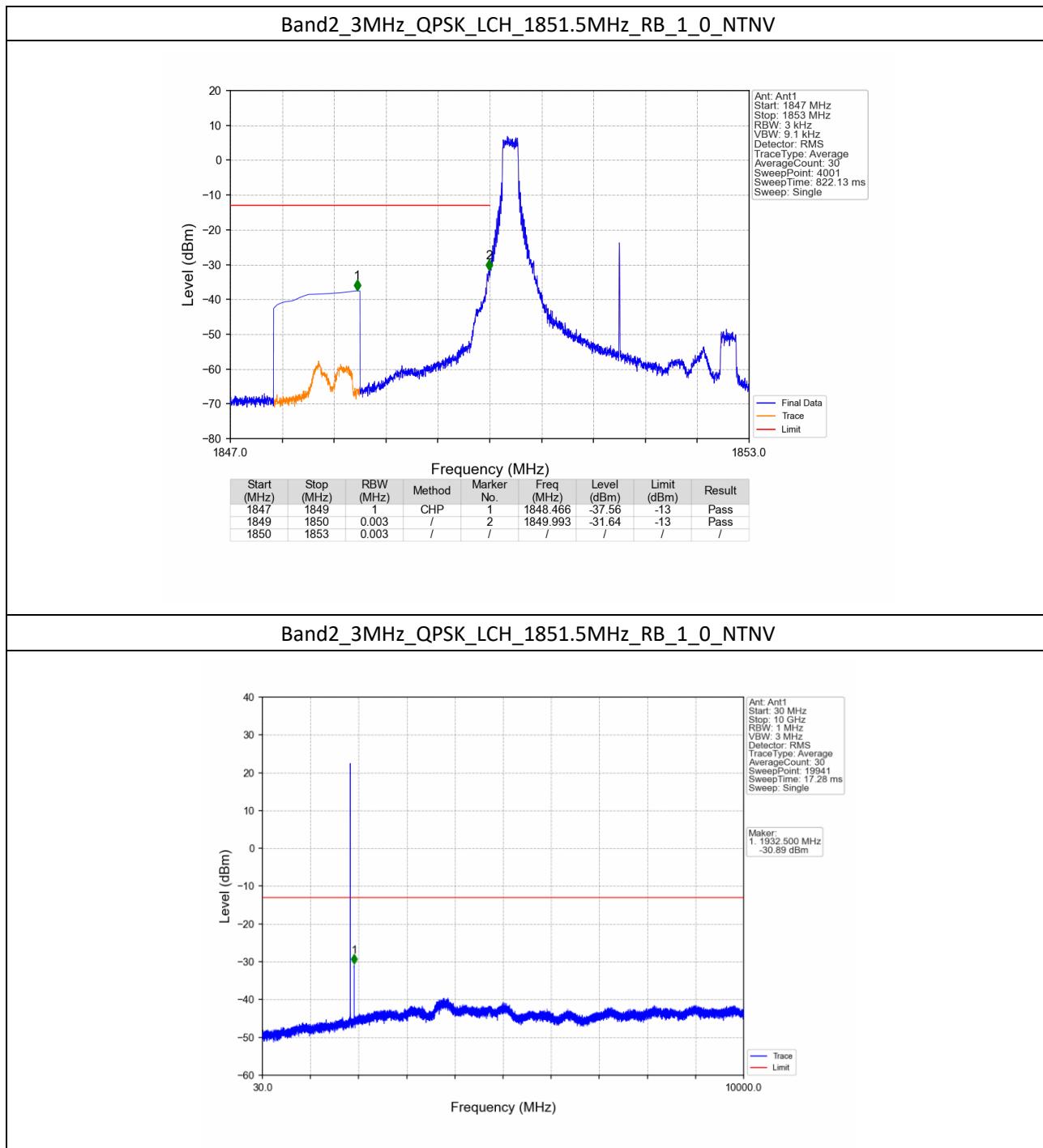
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5.2.2 B2_3MHz

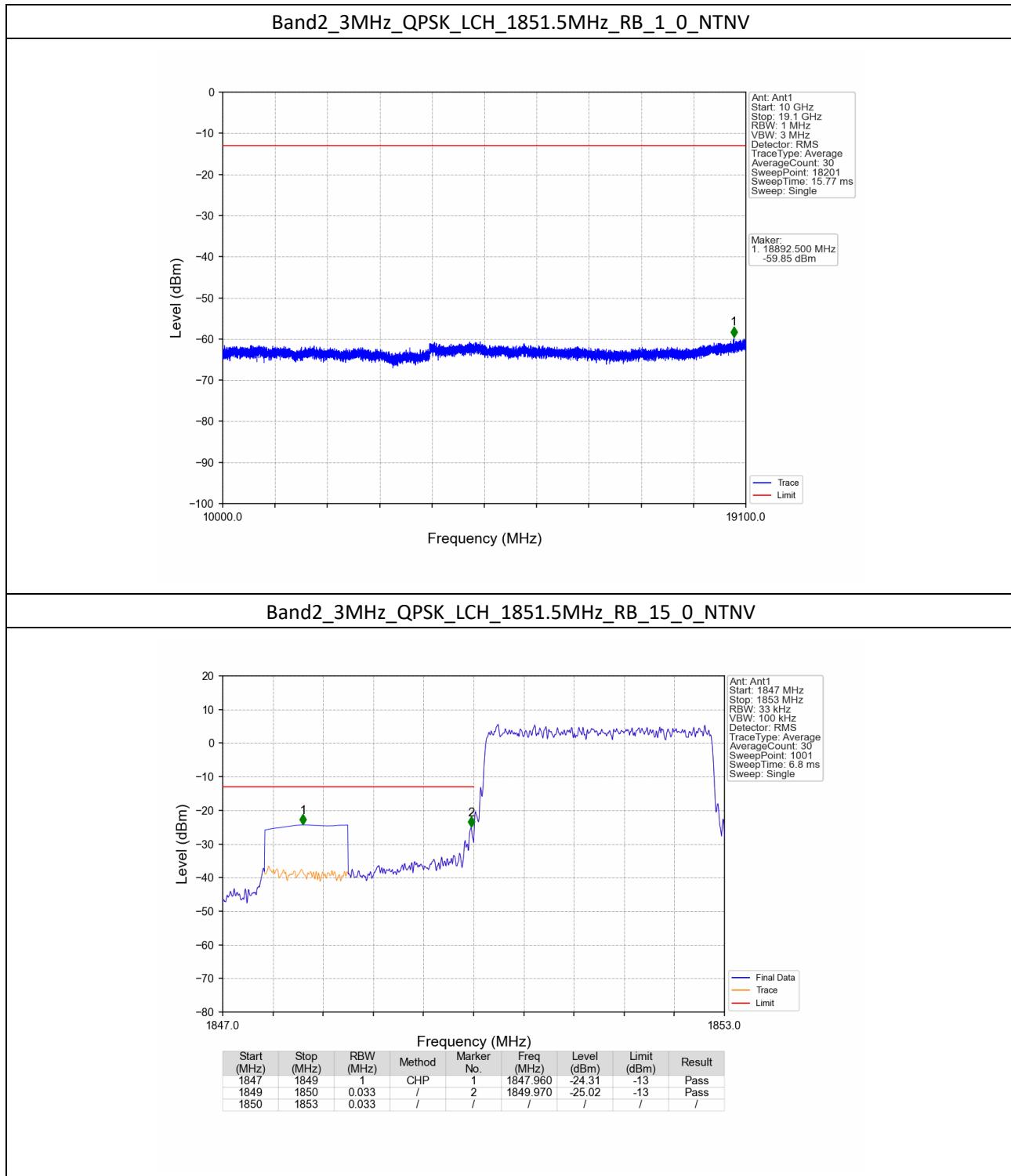


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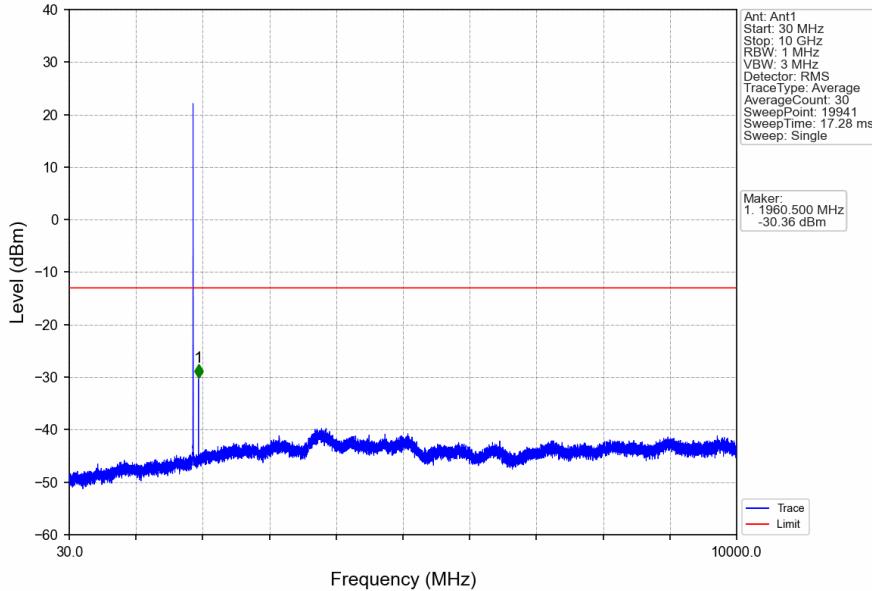
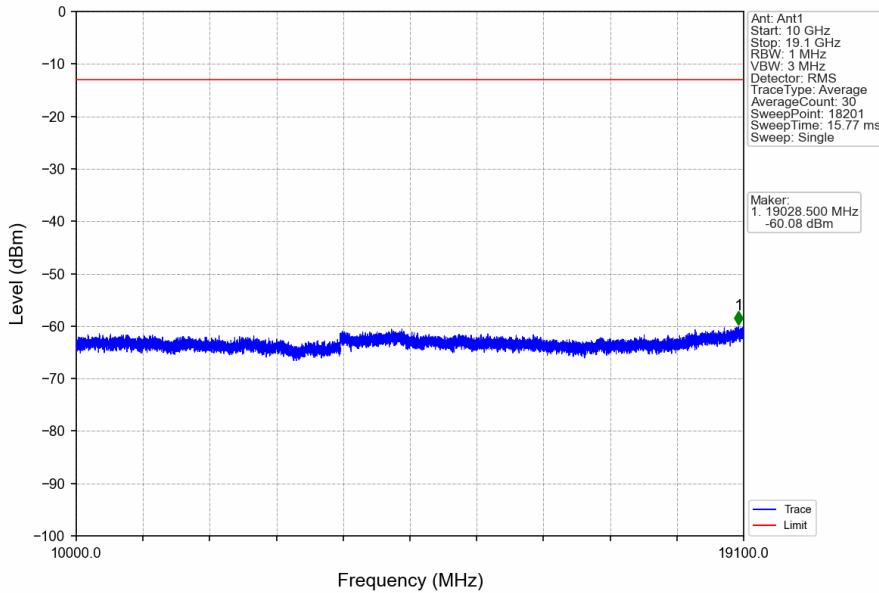


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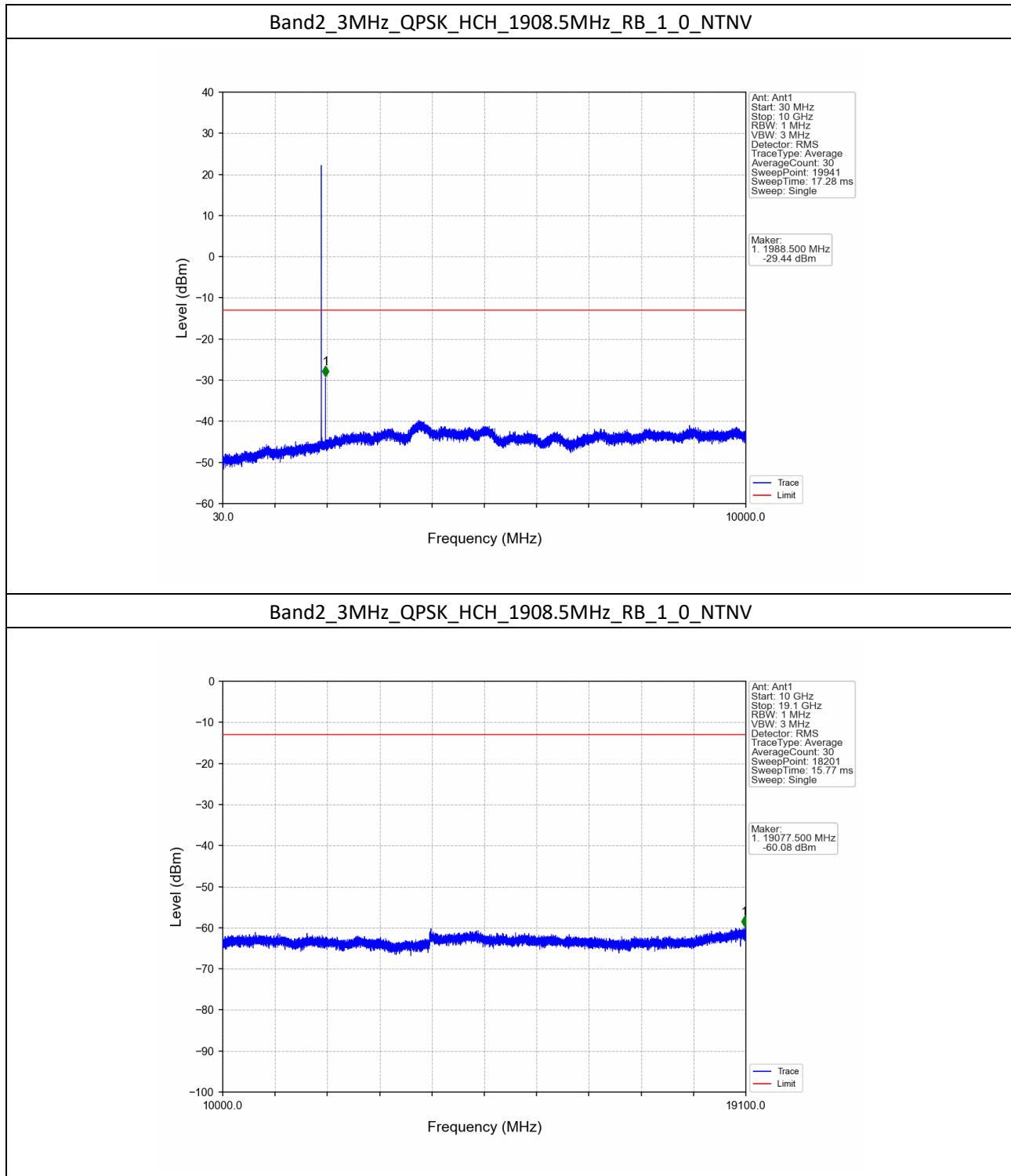
Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV**Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV**

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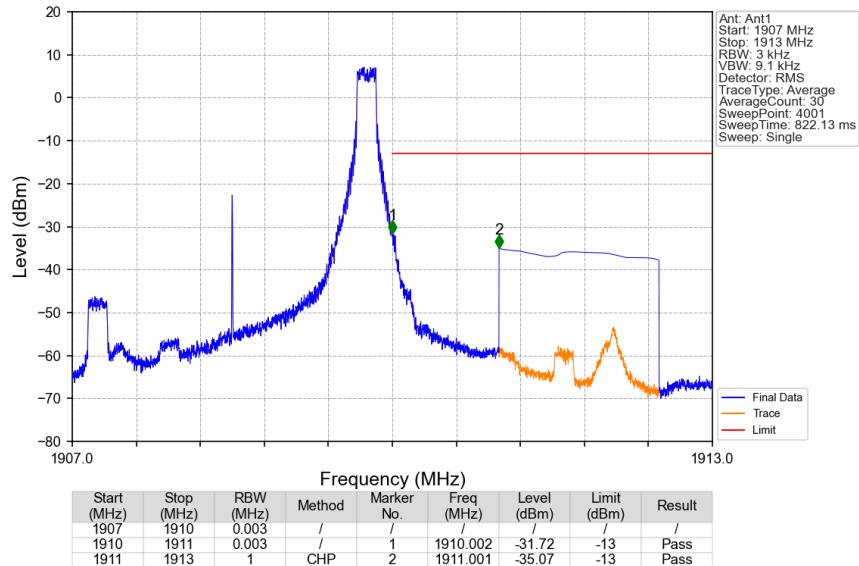
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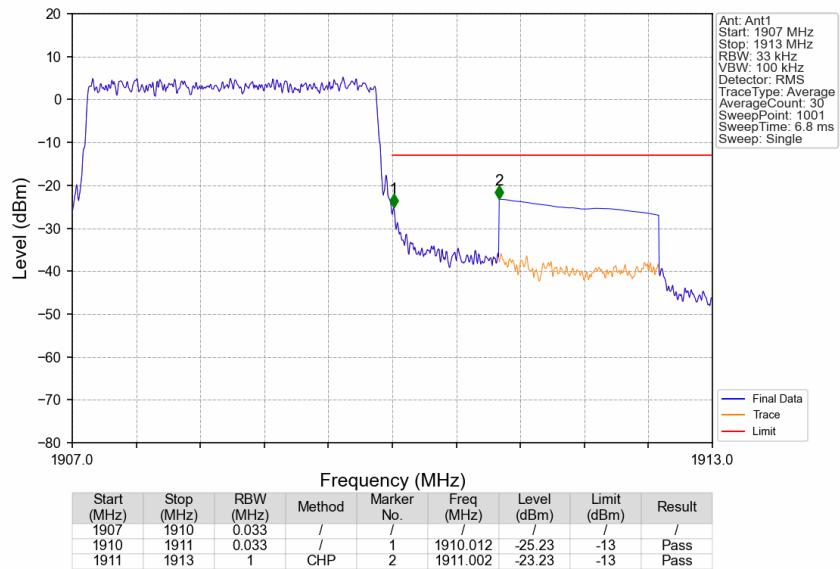
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Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_14_NTNV



Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



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