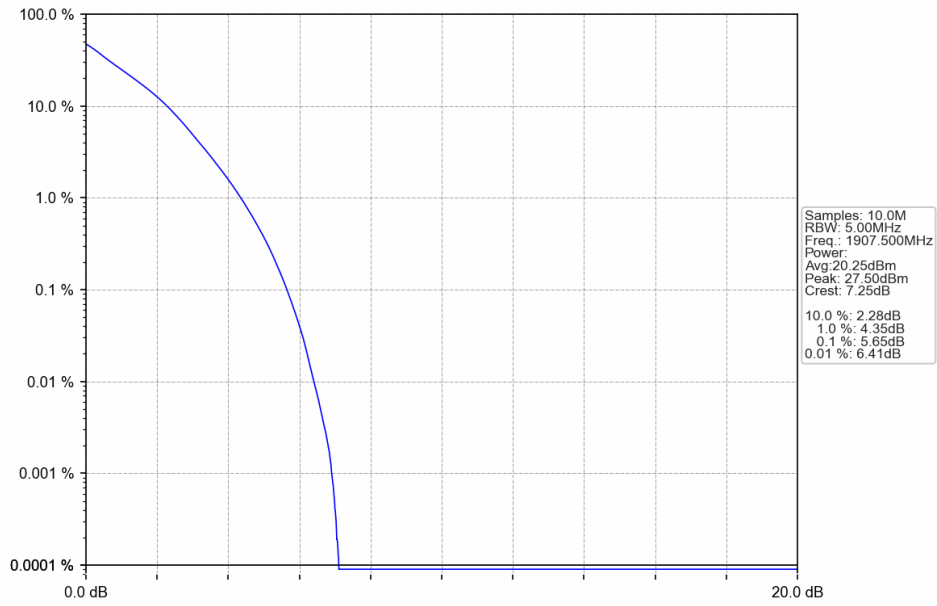
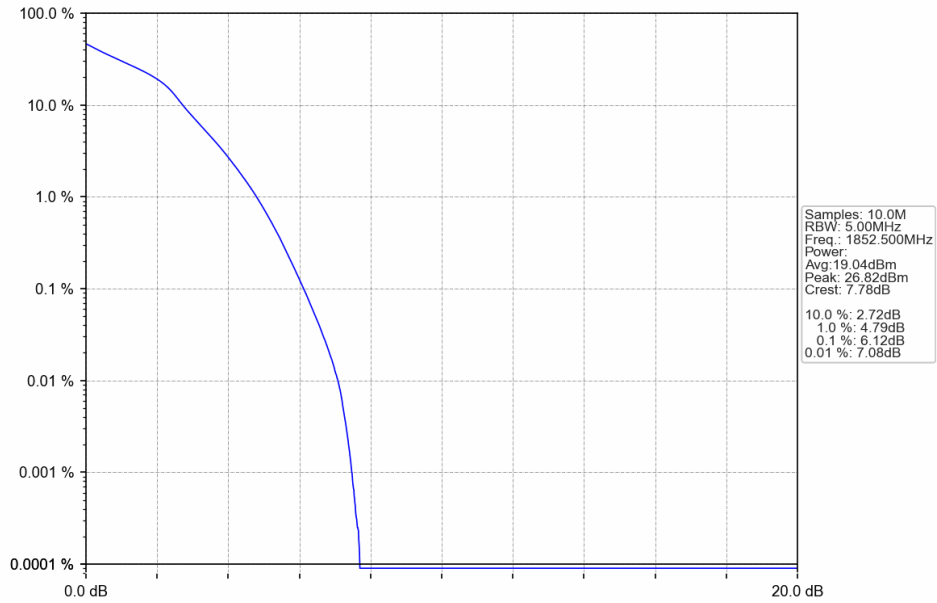


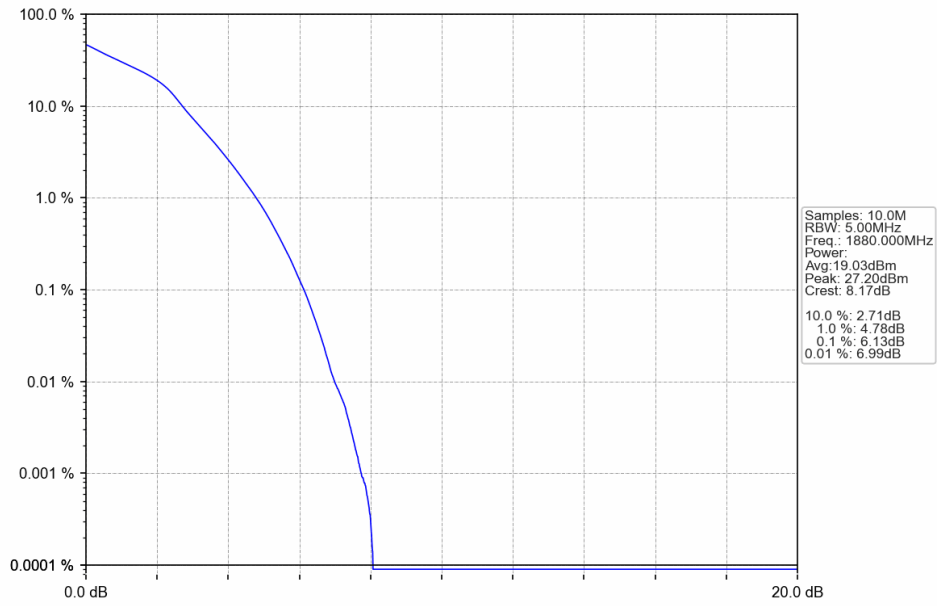
Band2\_5MHz\_QPSK\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



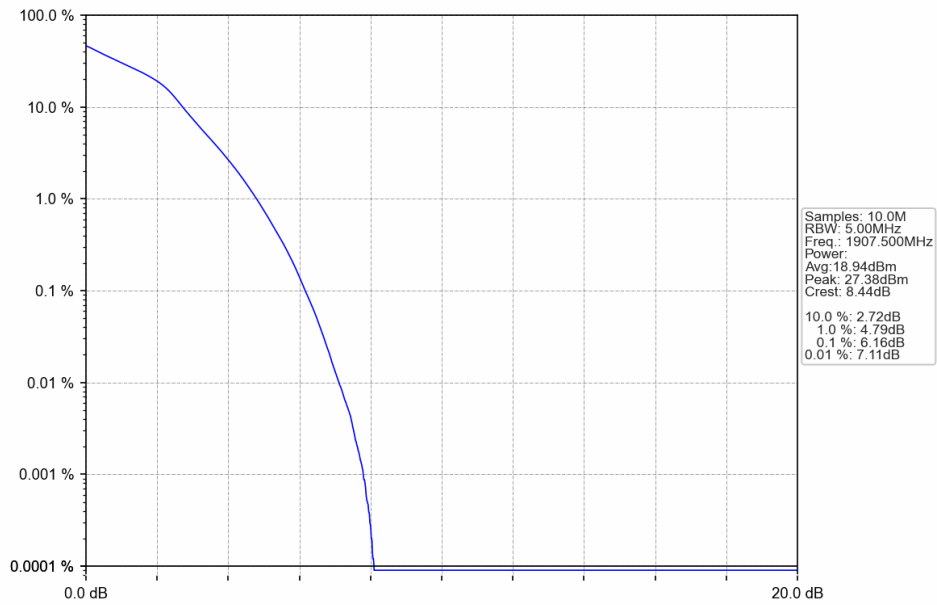
Band2\_5MHz\_16QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



Band2\_5MHz\_16QAM\_MCH\_1880MHz\_RB\_25\_0\_NTNV



Band2\_5MHz\_16QAM\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV

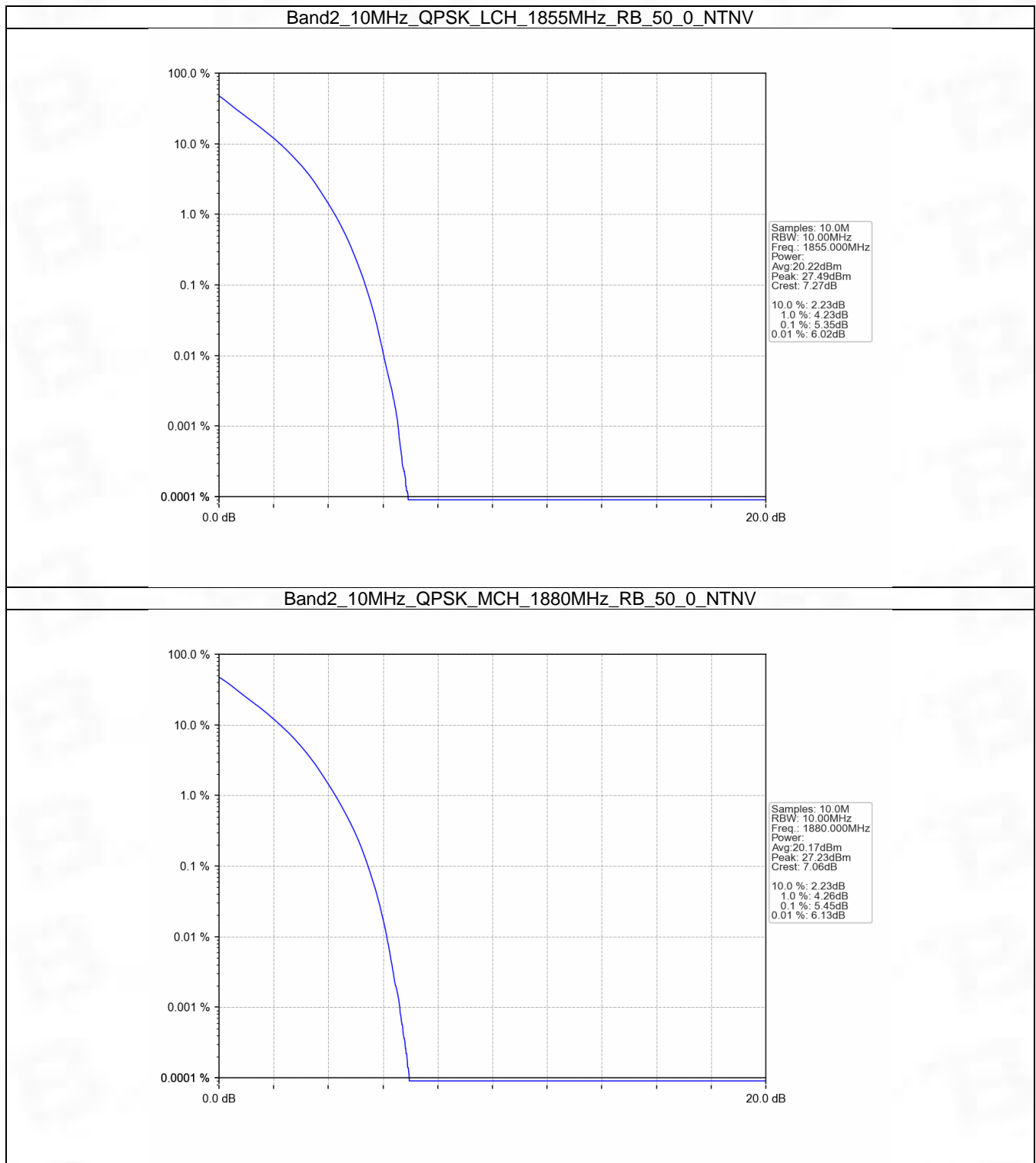


## 5.4 B2\_10MHz

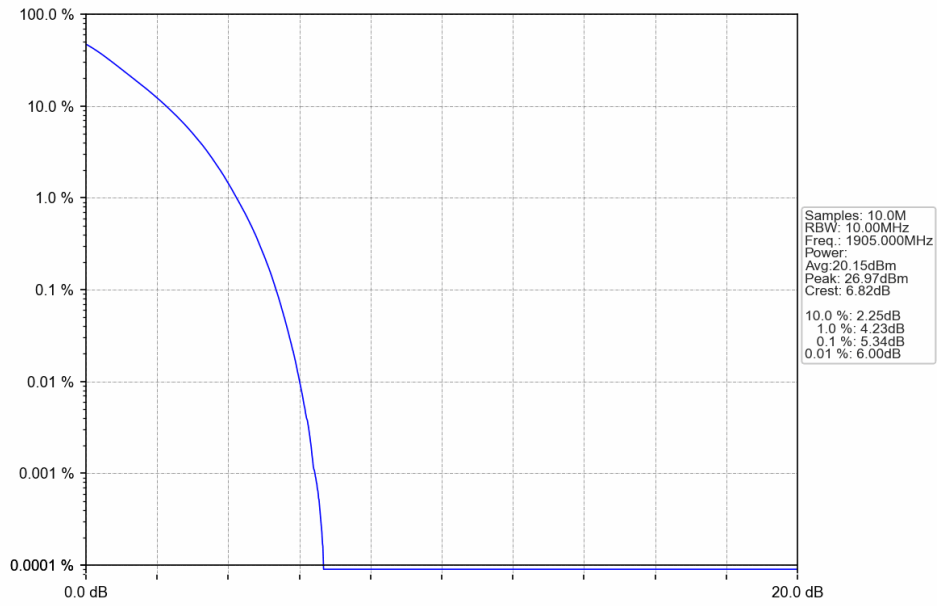
### 5.4.1 Test Result

Band: 2 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	5.35	<=13	Pass
	1880	50	0	5.45	<=13	Pass
	1905	50	0	5.34	<=13	Pass
16QAM	1855	50	0	6.11	<=13	Pass
	1880	50	0	6.17	<=13	Pass
	1905	50	0	6.03	<=13	Pass

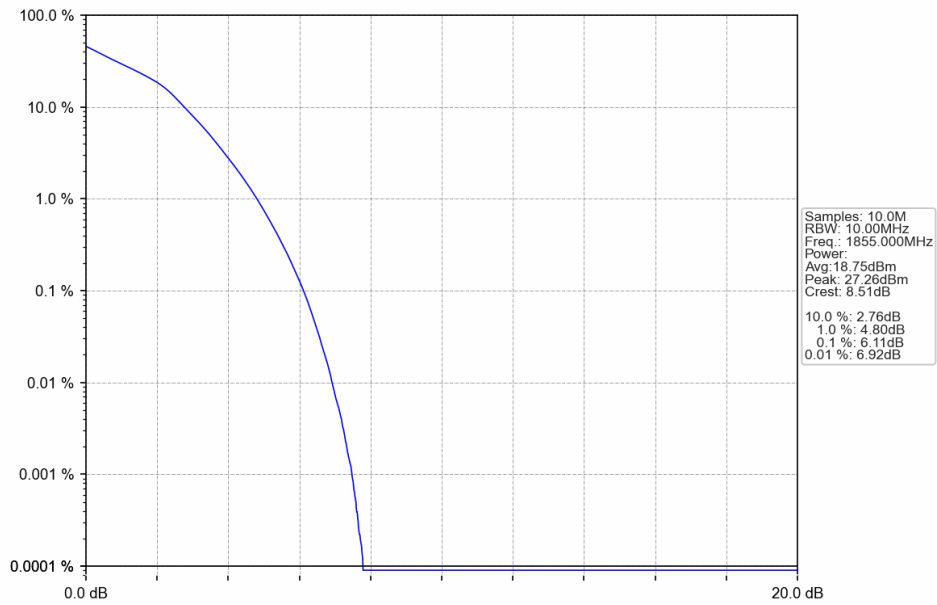
## 5.4.2 Test Graph



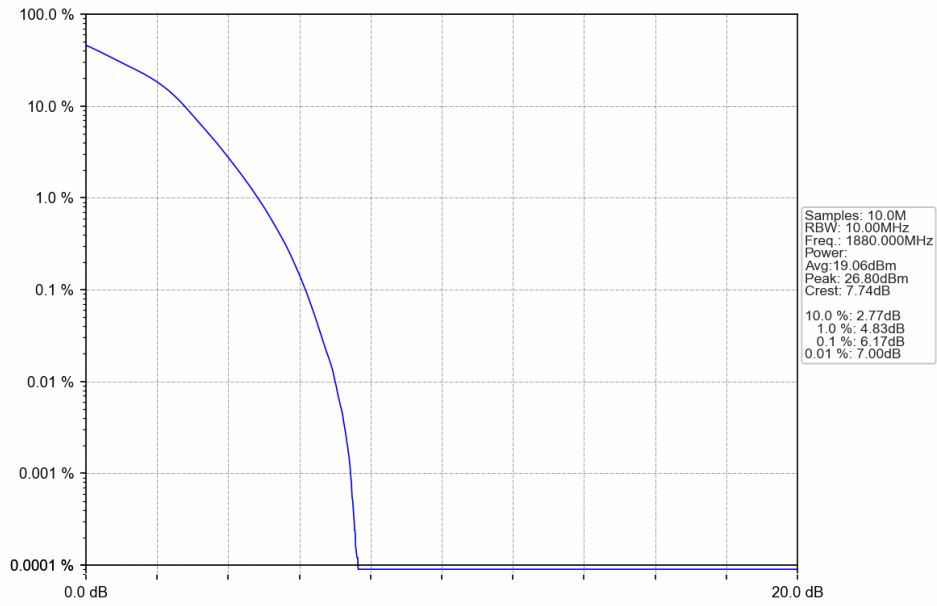
Band2\_10MHz\_QPSK\_HCH\_1905MHz\_RB\_50\_0\_NTNV



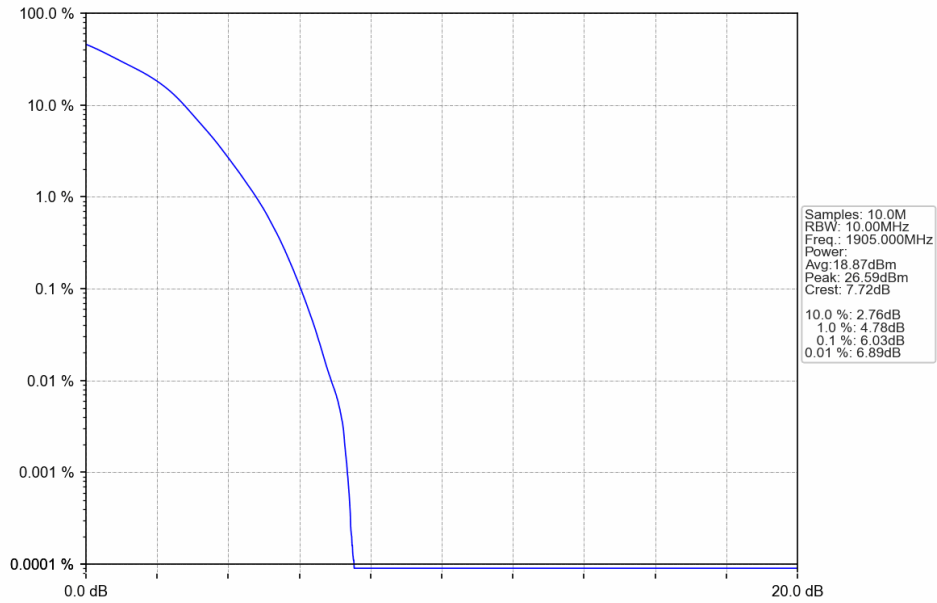
Band2\_10MHz\_16QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV



Band2\_10MHz\_16QAM\_MCH\_1880MHz\_RB\_50\_0\_NTNV



Band2\_10MHz\_16QAM\_HCH\_1905MHz\_RB\_50\_0\_NTNV

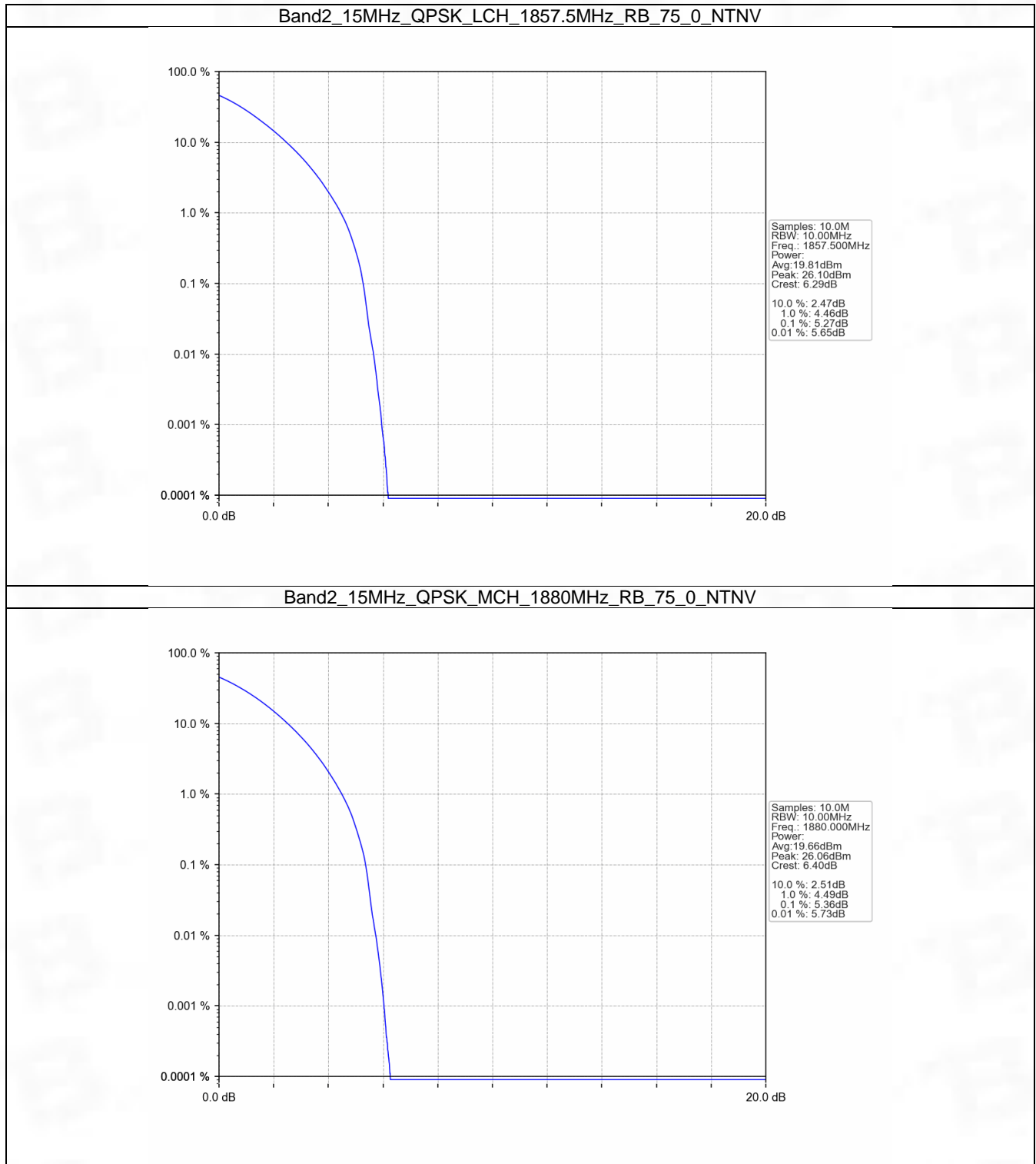


## 5.5 B2\_15MHz

### 5.5.1 Test Result

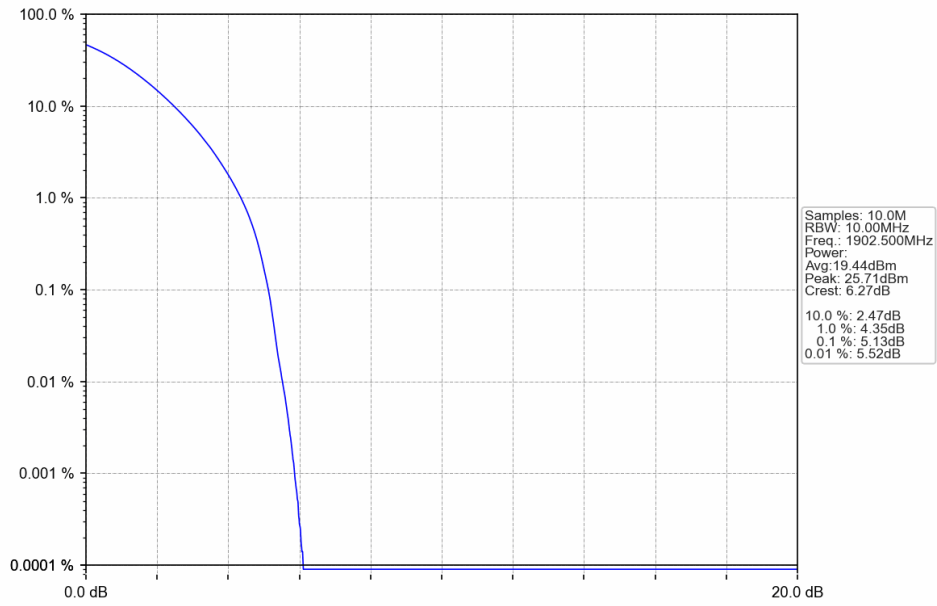
Band: 2 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	5.27	<=13	Pass
	1880	75	0	5.36	<=13	Pass
	1902.5	75	0	5.13	<=13	Pass
16QAM	1857.5	75	0	5.94	<=13	Pass
	1880	75	0	6.07	<=13	Pass
	1902.5	75	0	5.81	<=13	Pass

## 5.5.2 Test Graph

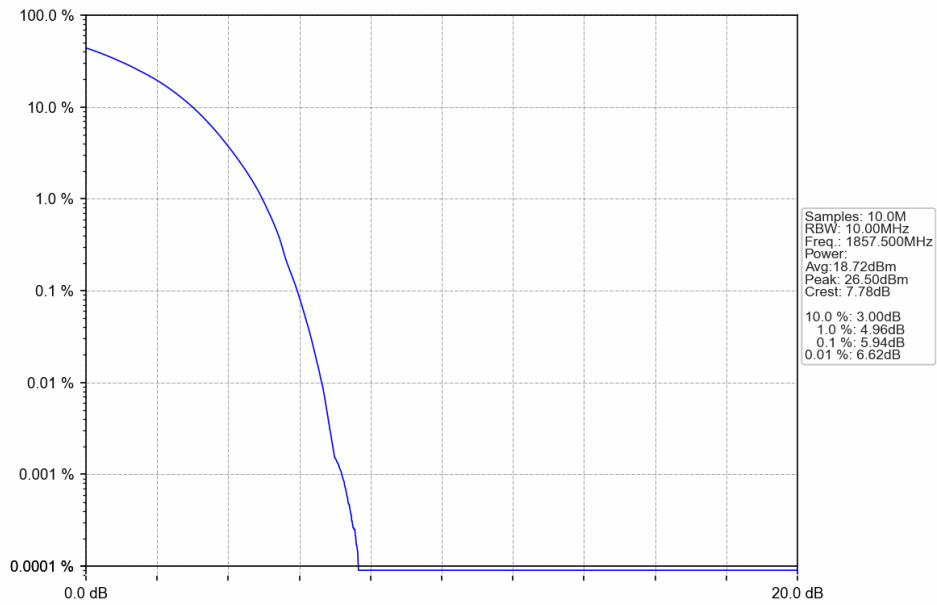




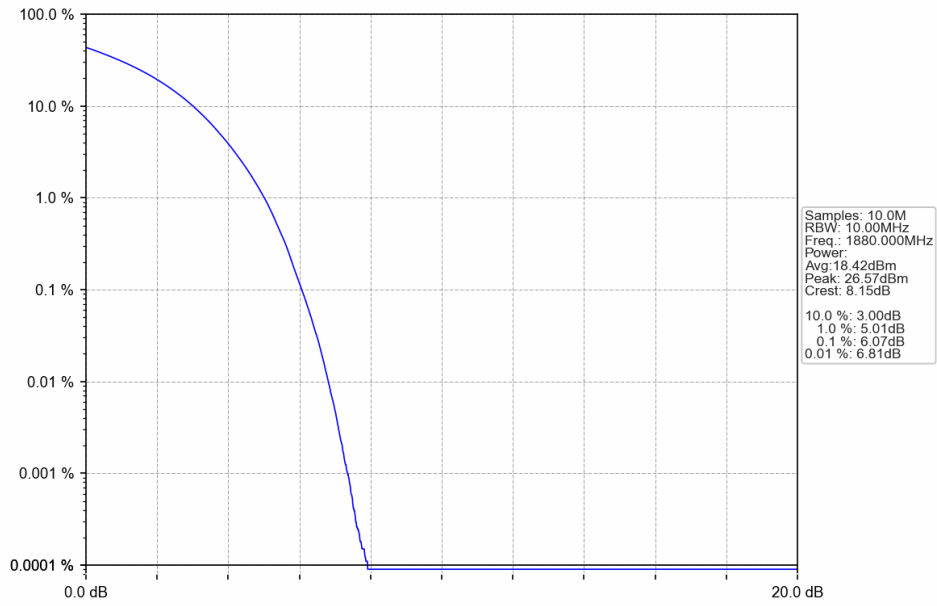
Band2\_15MHz\_QPSK\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV



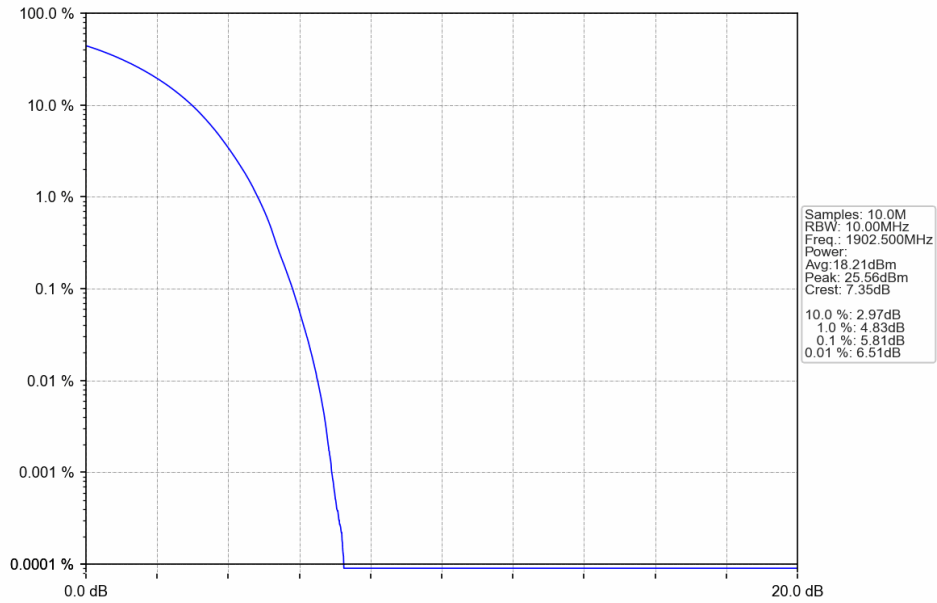
Band2\_15MHz\_16QAM\_LCH\_1857.5MHz\_RB\_75\_0\_NTNV



Band2\_15MHz\_16QAM\_MCH\_1880MHz\_RB\_75\_0\_NTNV



Band2\_15MHz\_16QAM\_HCH\_1902.5MHz\_RB\_75\_0\_NTNV

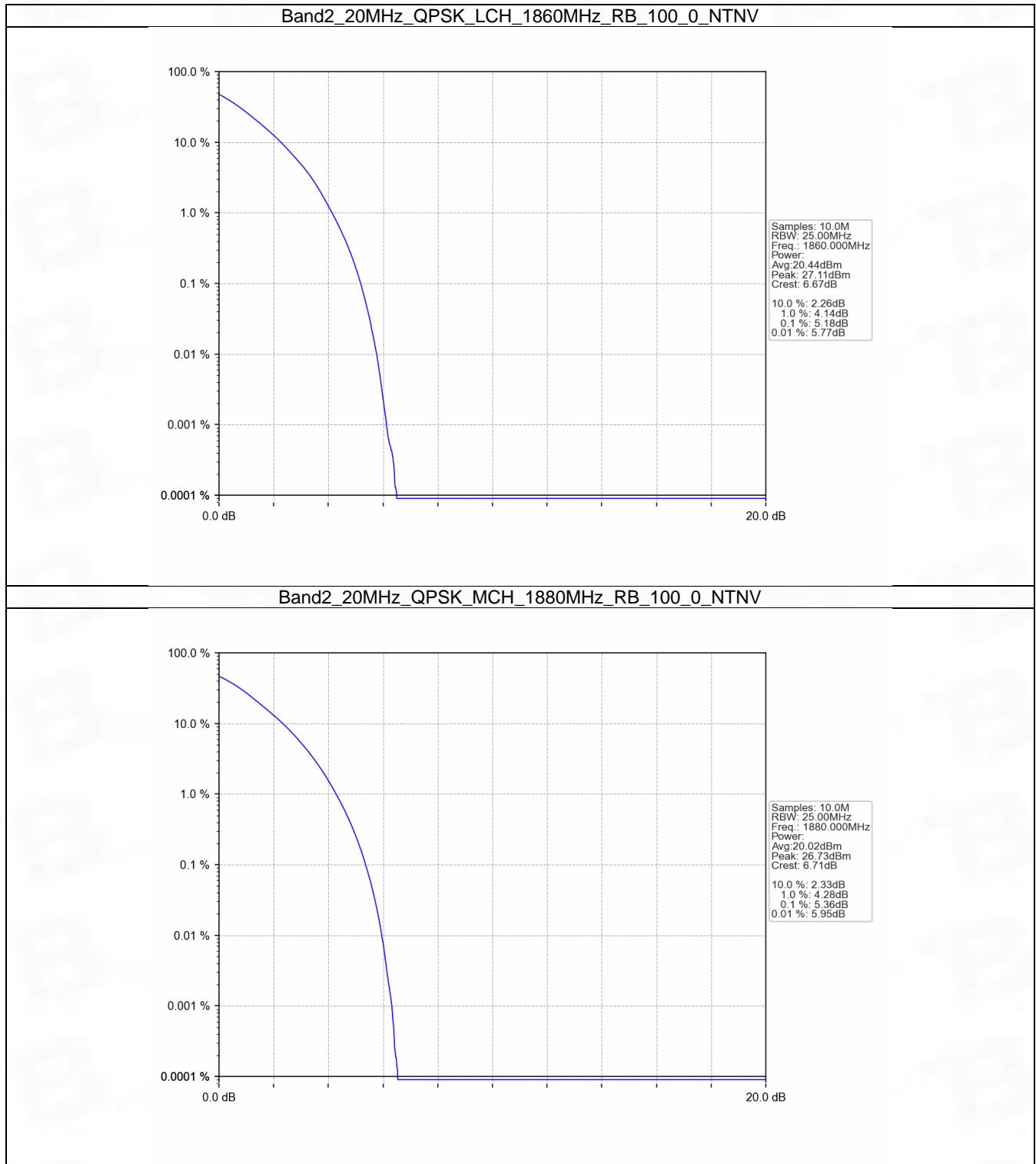


## 5.6 B2\_20MHz

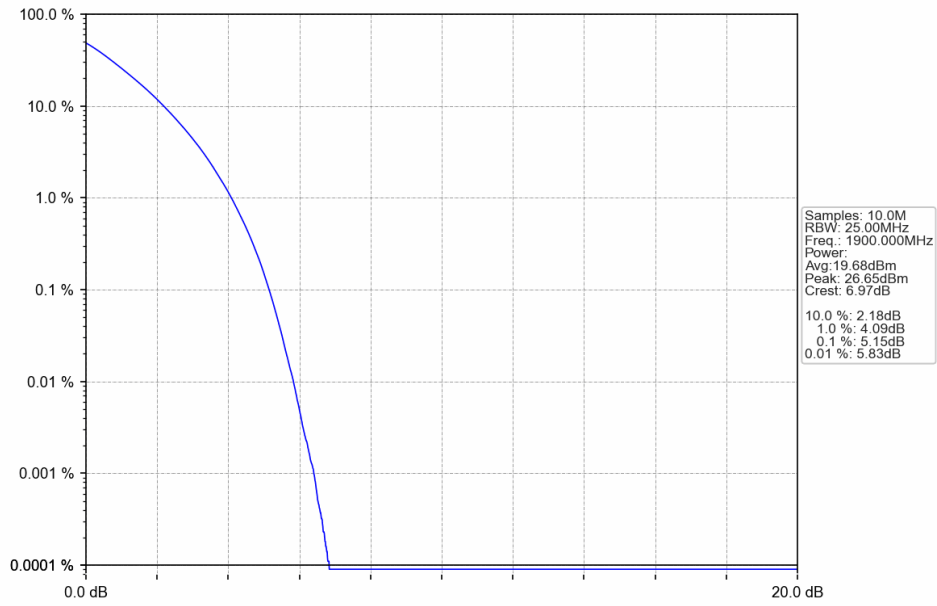
### 5.6.1 Test Result

Band: 2 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.18	<=13	Pass
	1880	100	0	5.36	<=13	Pass
	1900	100	0	5.15	<=13	Pass
16QAM	1860	100	0	5.93	<=13	Pass
	1880	100	0	6.11	<=13	Pass
	1900	100	0	5.81	<=13	Pass

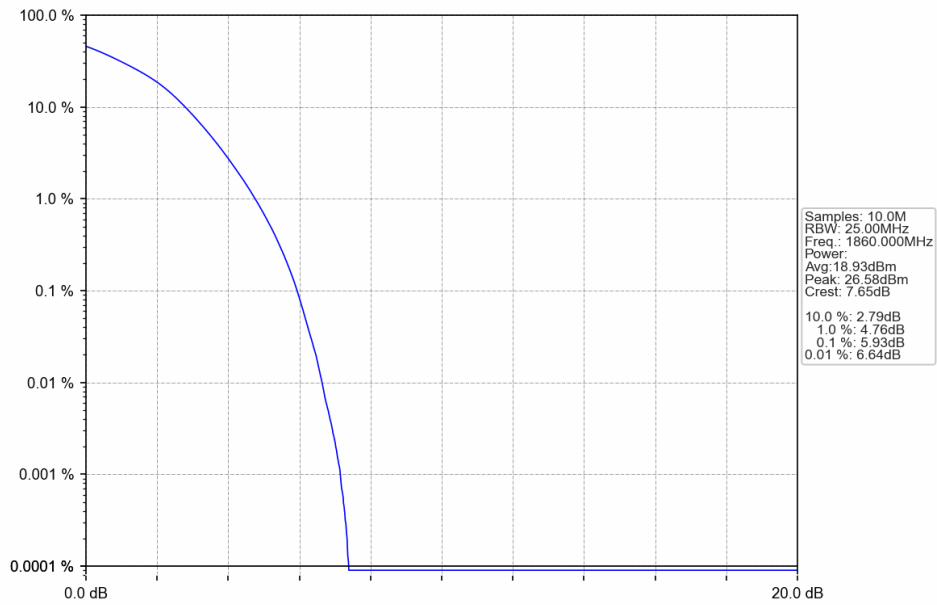
## 5.6.2 Test Graph



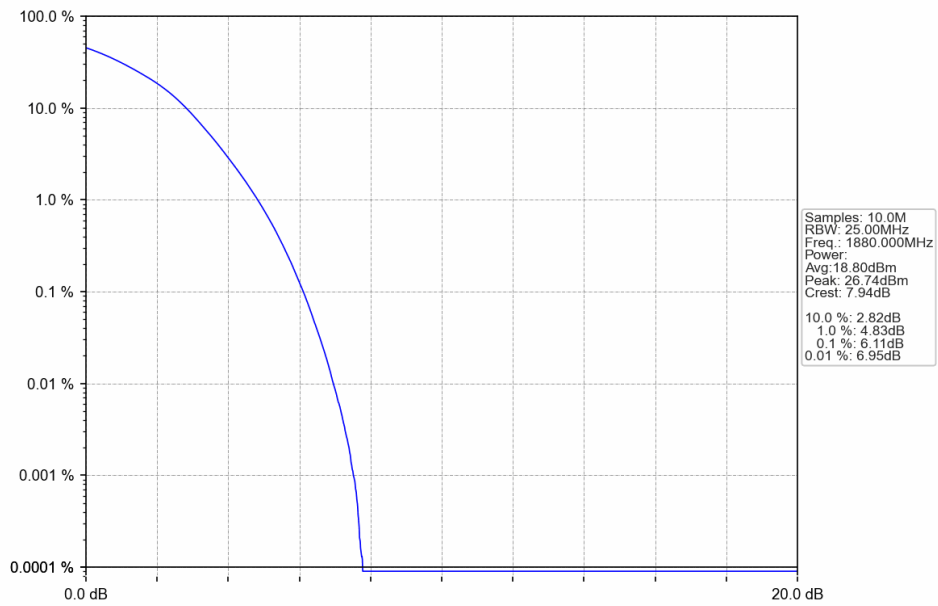
Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV



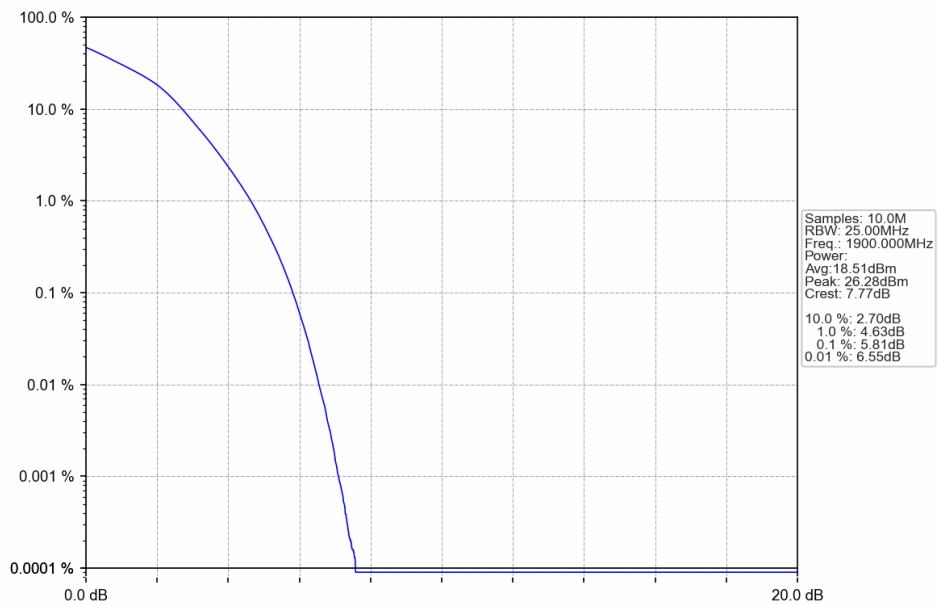
Band2\_20MHz\_16QAM\_LCH\_1860MHz\_RB\_100\_0\_NTNV



Band2\_20MHz\_16QAM\_MCH\_1880MHz\_RB\_100\_0\_NTNV



Band2\_20MHz\_16QAM\_HCH\_1900MHz\_RB\_100\_0\_NTNV



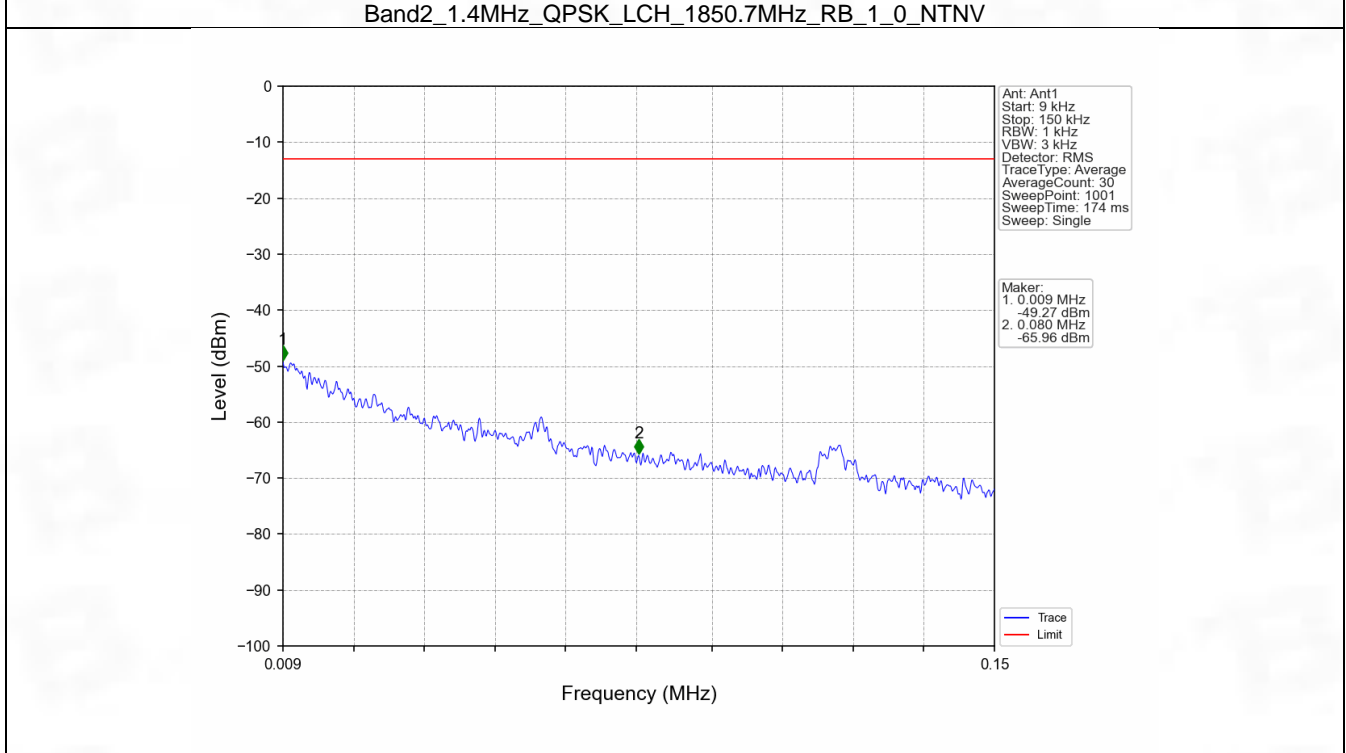
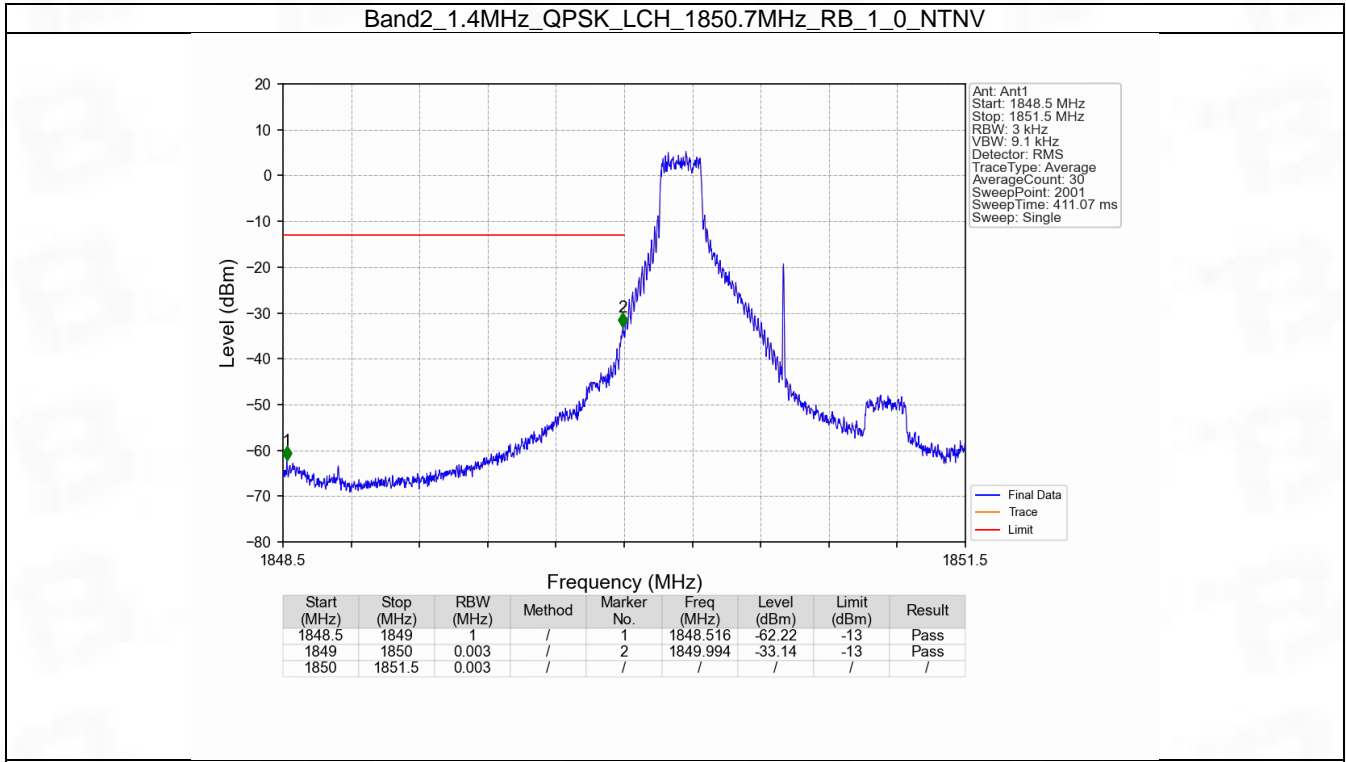
## 6. Spurious Emission

### 6.1 B2\_1.4MHz

#### 6.1.1 Test Result

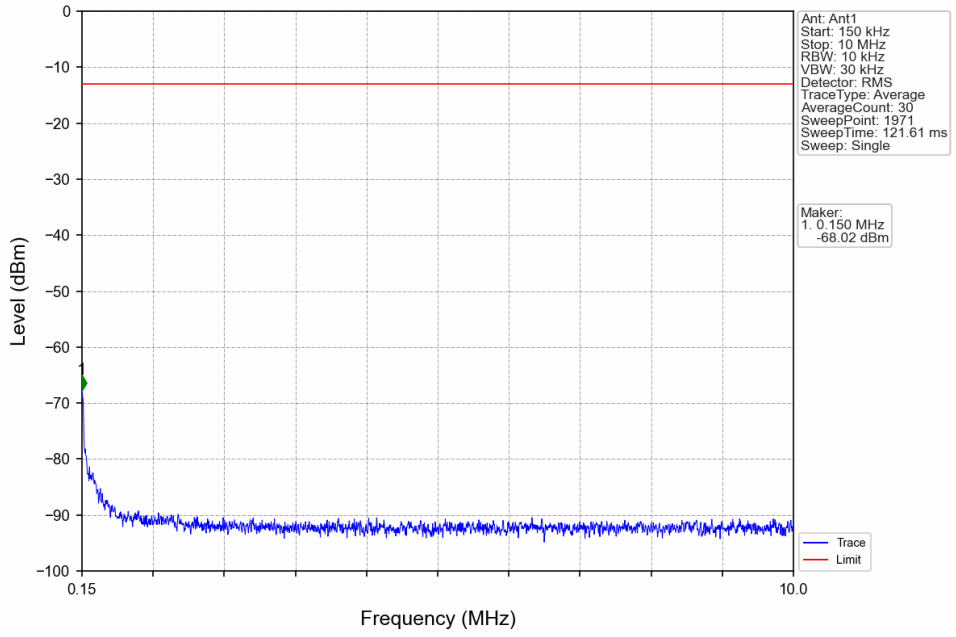
Band: 2 / Bandwidth: 1.4MHz / NTV							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	1850.7	1	0	Refer To Test Graph		Pass	
		6	0	Refer To Test Graph		Pass	
	1880	1	0	Refer To Test Graph		Pass	
		1909.3	1	0	Refer To Test Graph		Pass
				5	Refer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

### 6.1.2 Test Graph

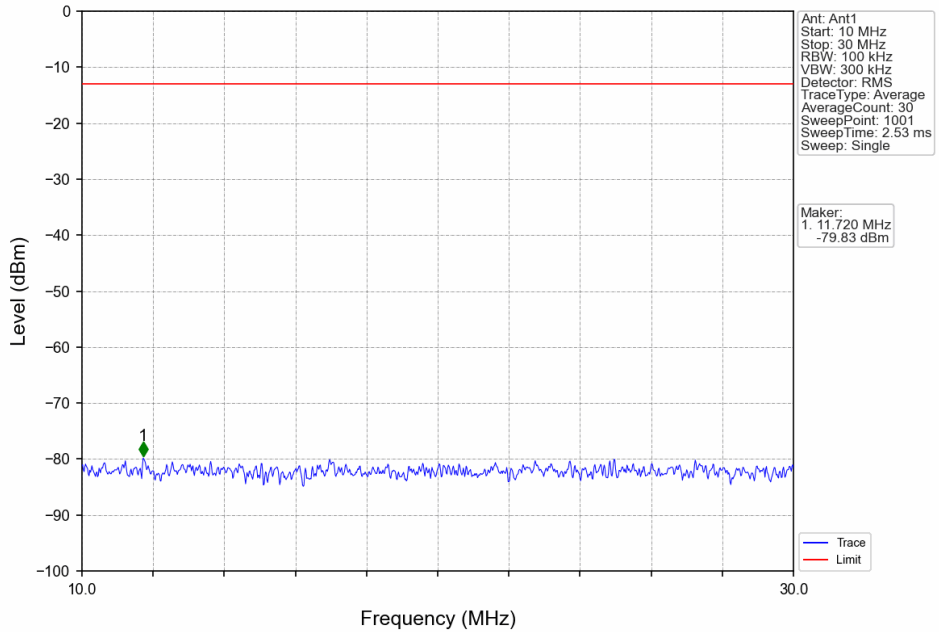




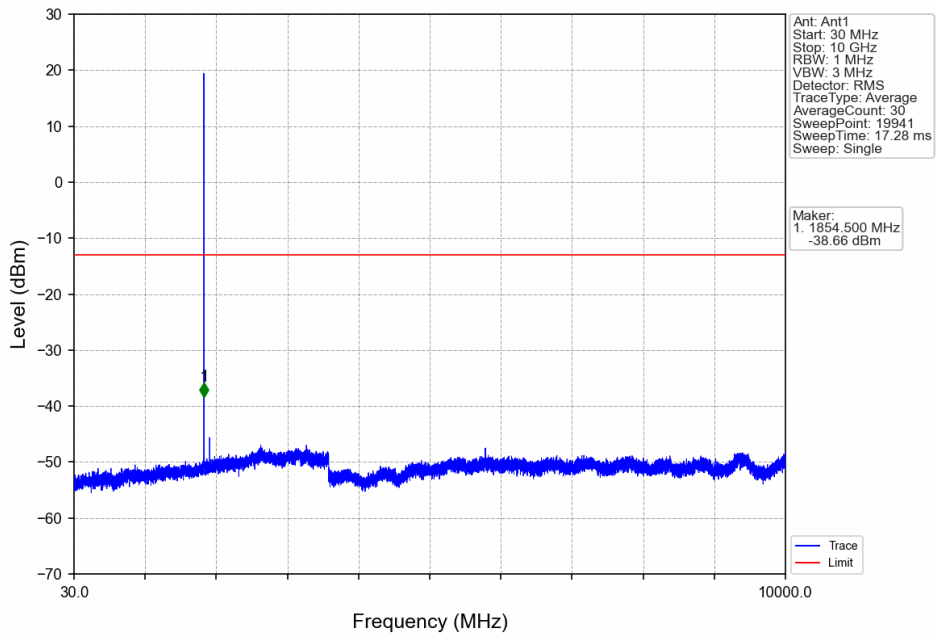
Band2\_1.4MHz\_QPSK\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV



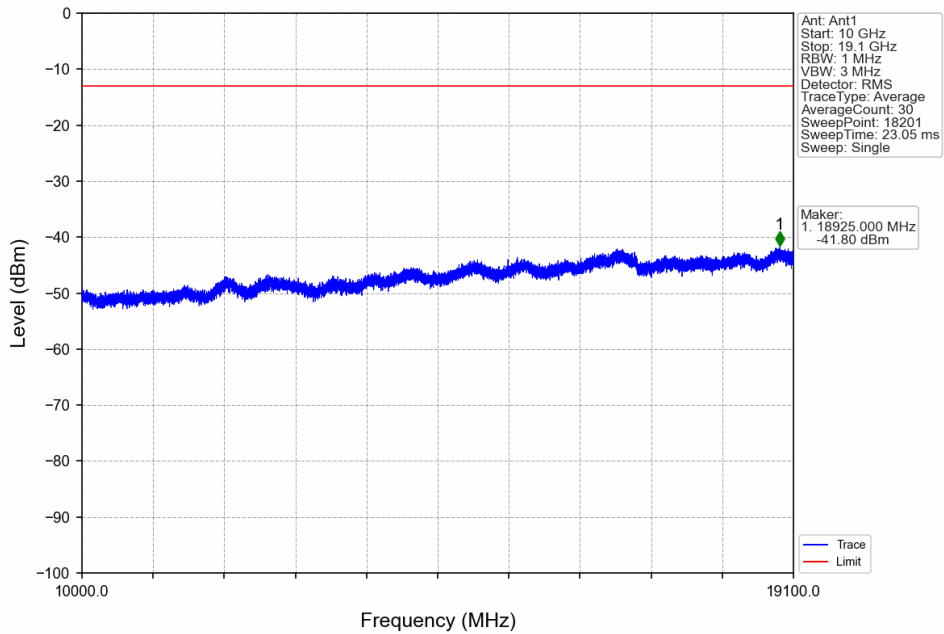
Band2\_1.4MHz\_QPSK\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV



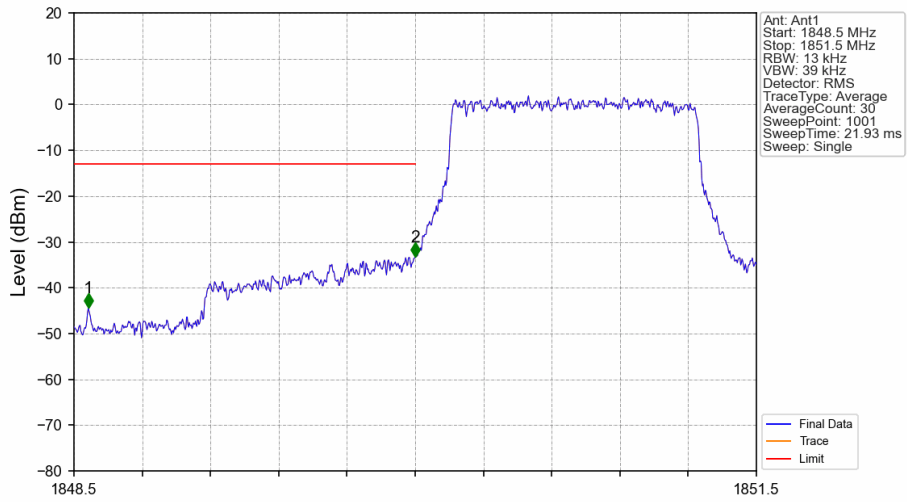
Band2\_1.4MHz\_QPSK\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV



Band2\_1.4MHz\_QPSK\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV

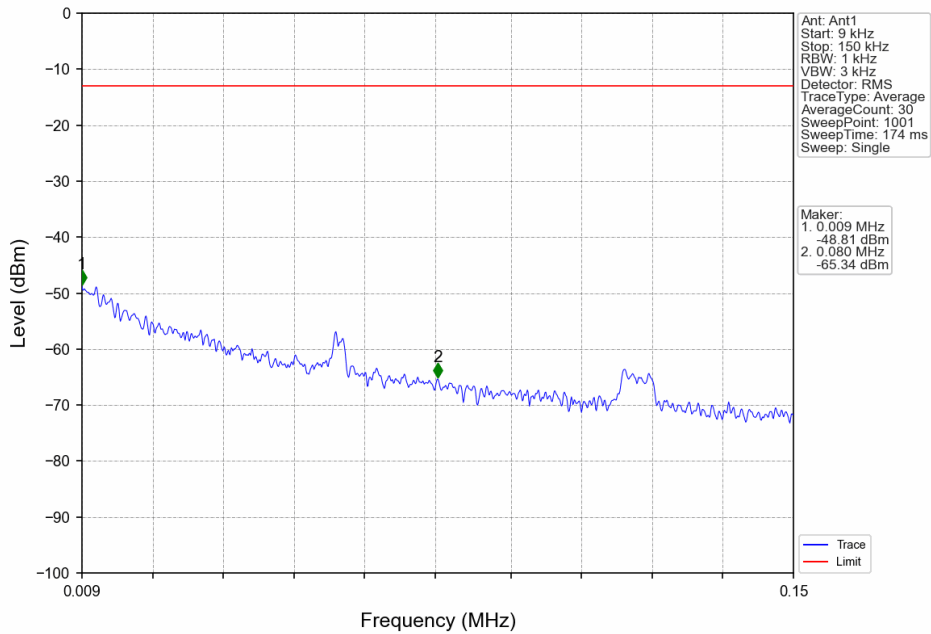


Band2\_1.4MHz\_QPSK\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV

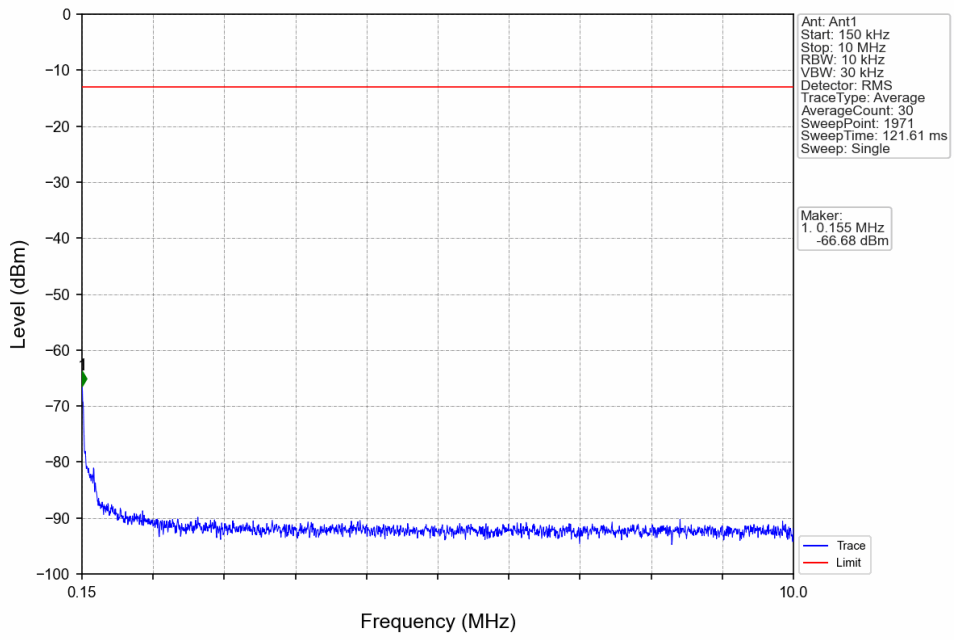


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.563	-44.42	-13	Pass
1849	1850	0.013	/	2	1850.000	-33.22	-13	Pass
1850	1851.5	0.013	/	/	/	/	/	/

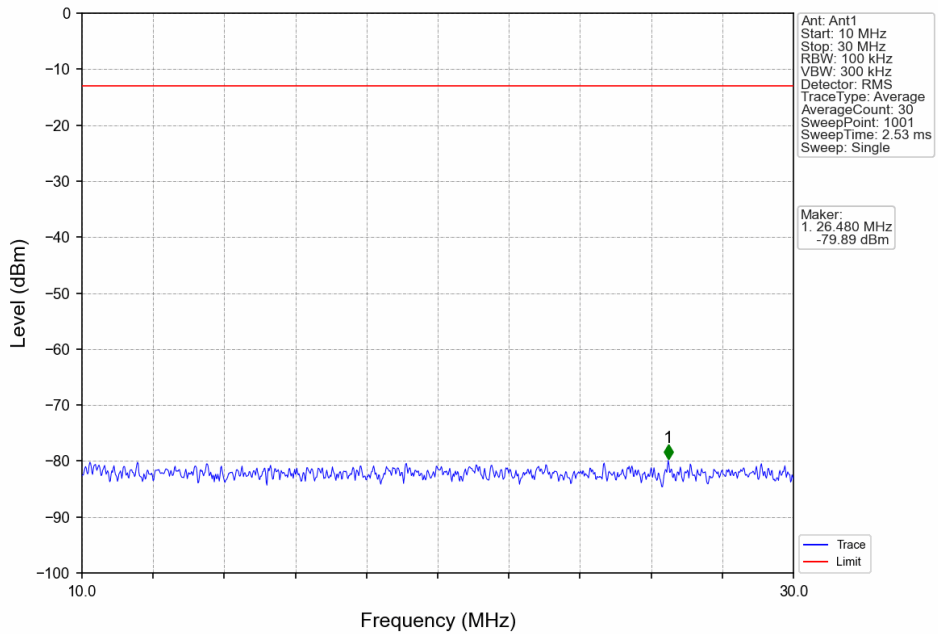
Band2\_1.4MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



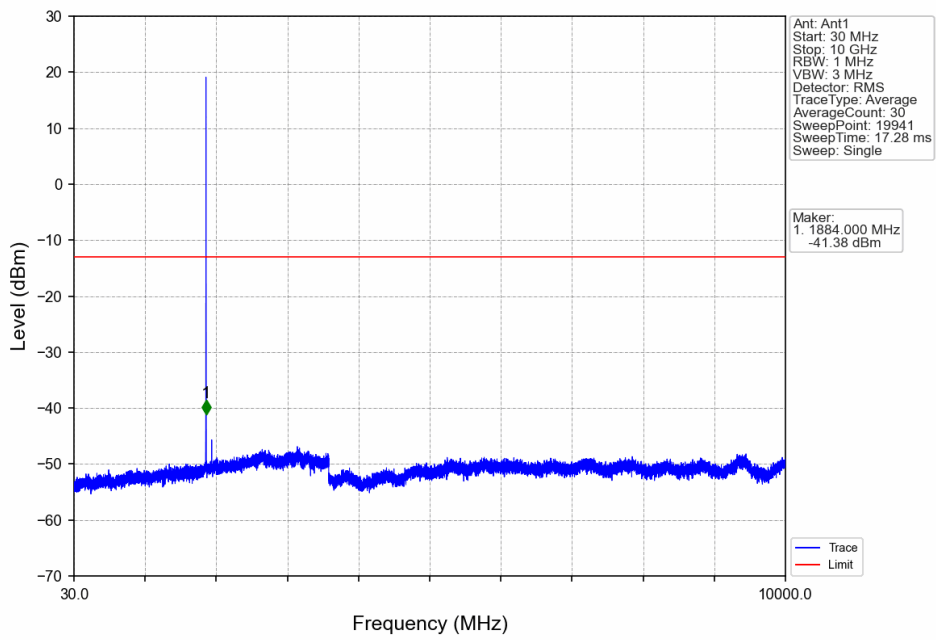
Band2\_1.4MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



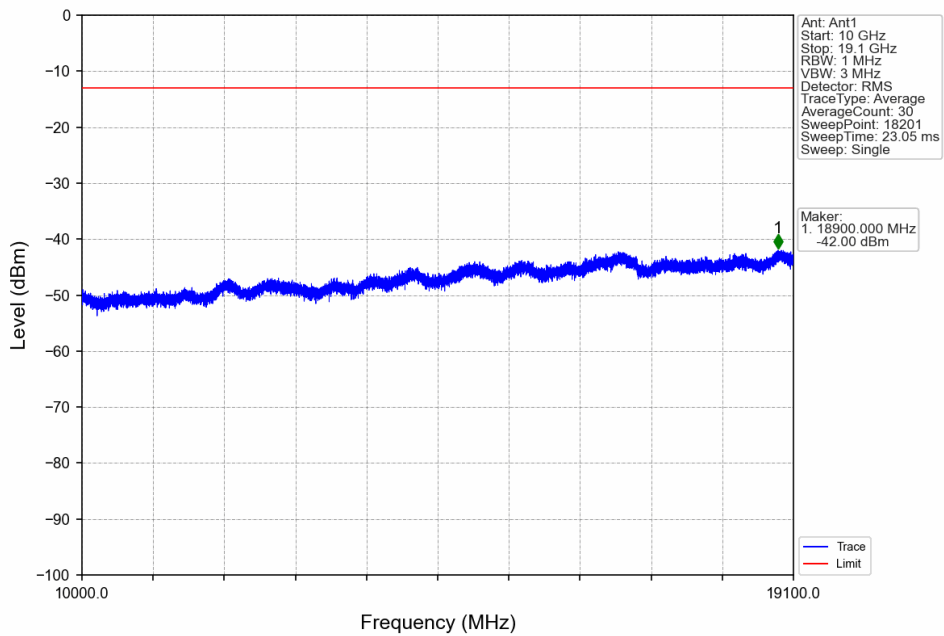
Band2\_1.4MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



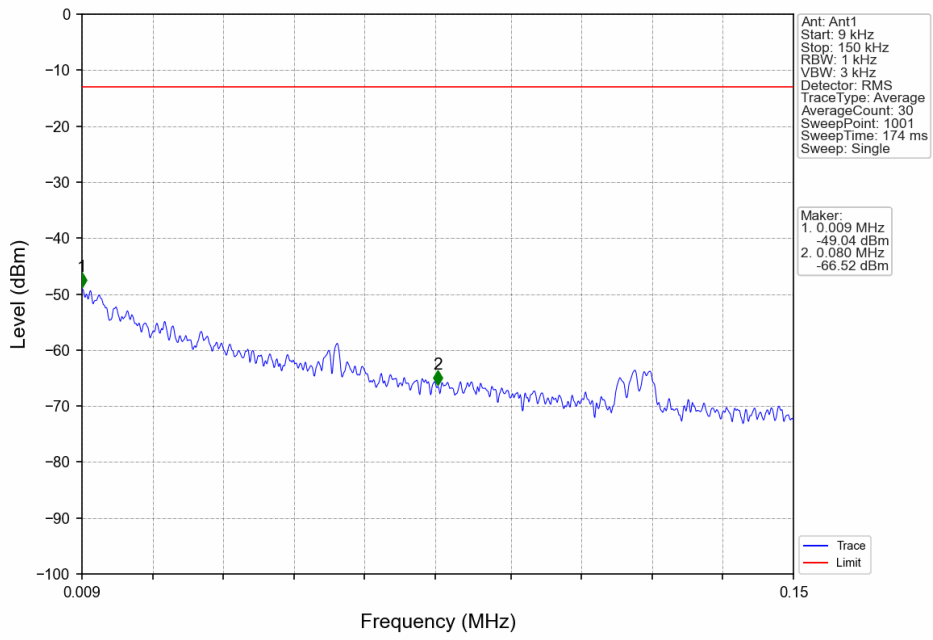
Band2\_1.4MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



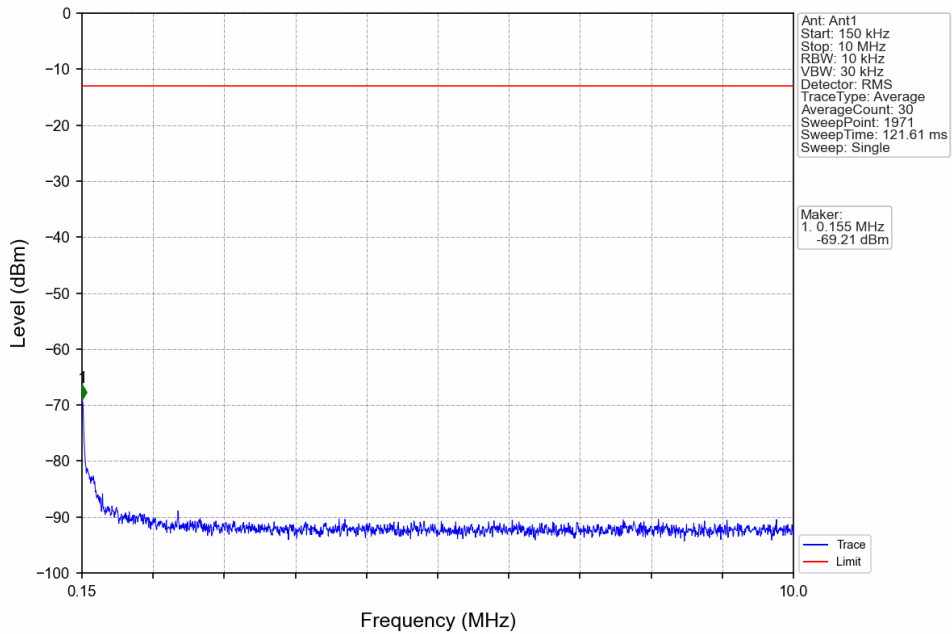
Band2\_1.4MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



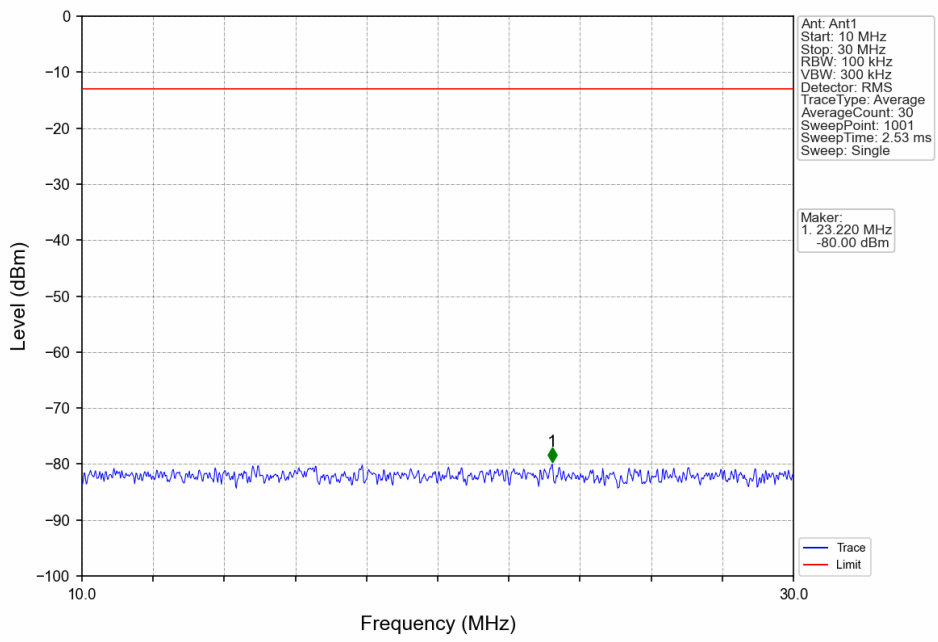
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



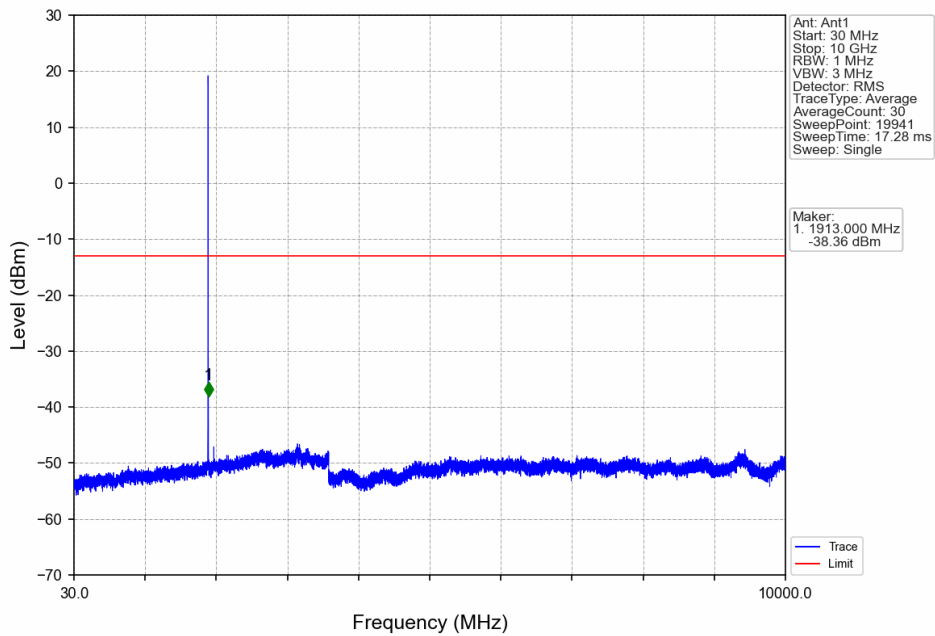
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



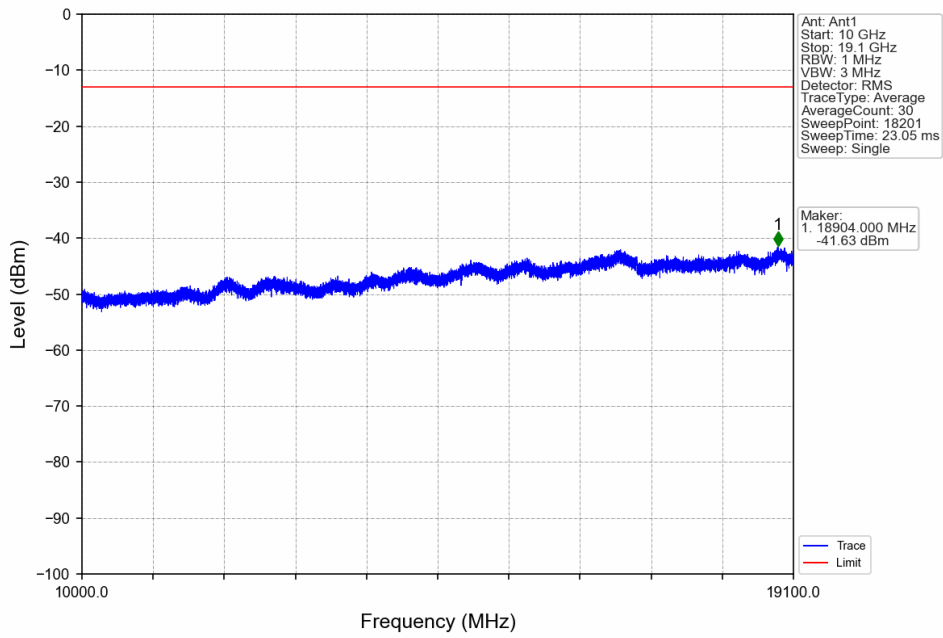
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



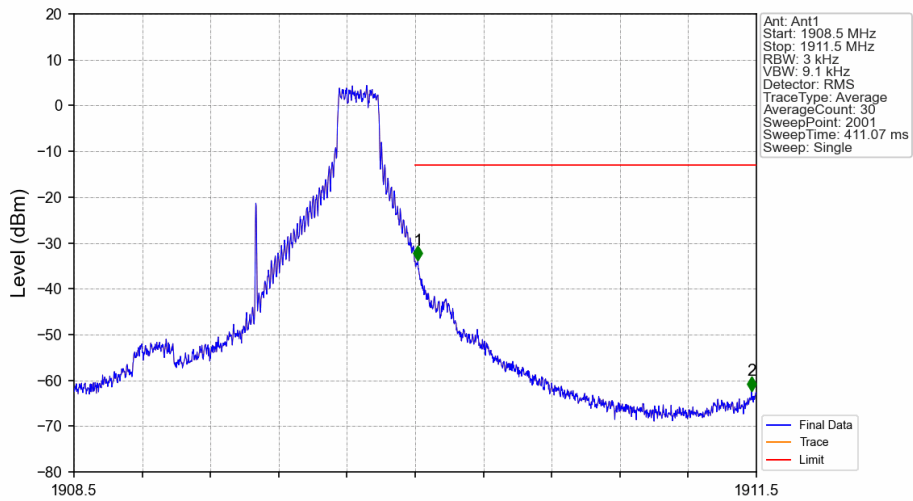
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



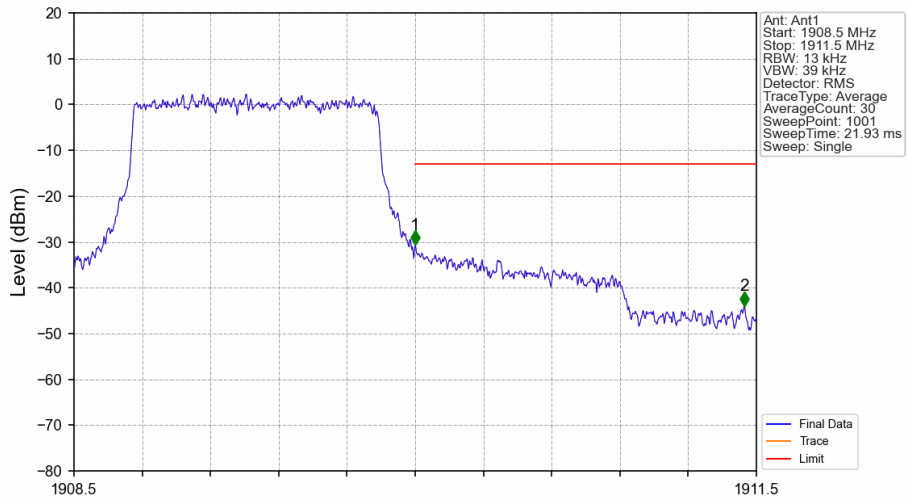
Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_1\_5\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1908.5	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.012	-33.77	-13	Pass
1911	1911.5	1	/	2	1911.479	-62.27	-13	Pass

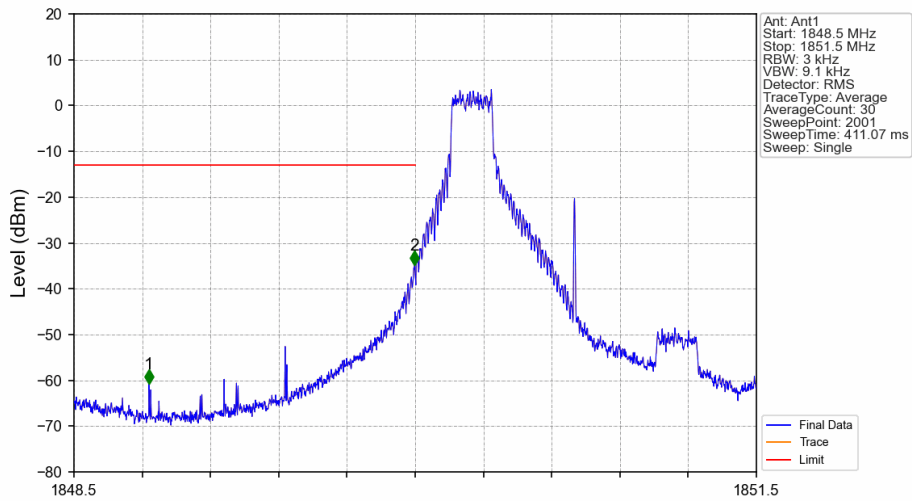


Band2\_1.4MHz\_QPSK\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV



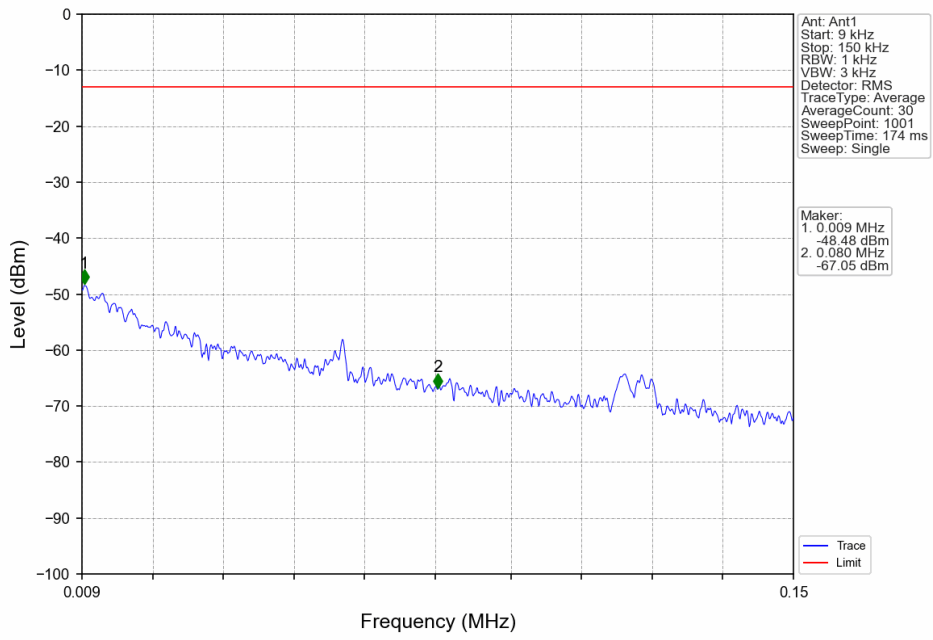
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1908.5	1910	0.013	/	/	/	/	/	/
1910	1911	0.013	/	1	1910.000	-30.57	-13	Pass
1911	1911.5	1	/	2	1911.446	-43.94	-13	Pass

Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV

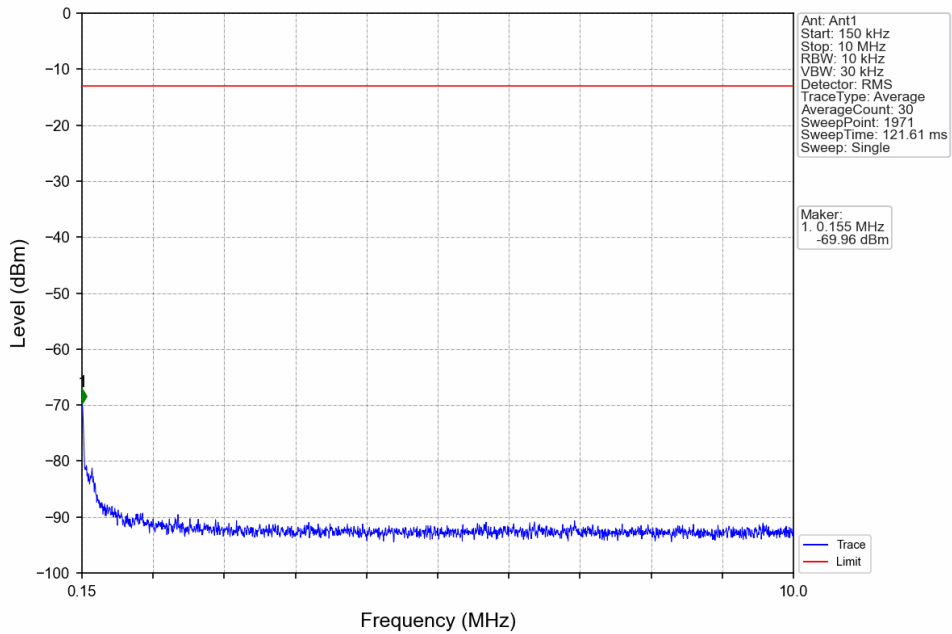


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	/	/	/	/	/
1849	1850	0.003	/	1	1848.830	-60.74	-13	Pass
1850	1851.5	0.003	/	2	1849.997	-34.90	-13	Pass

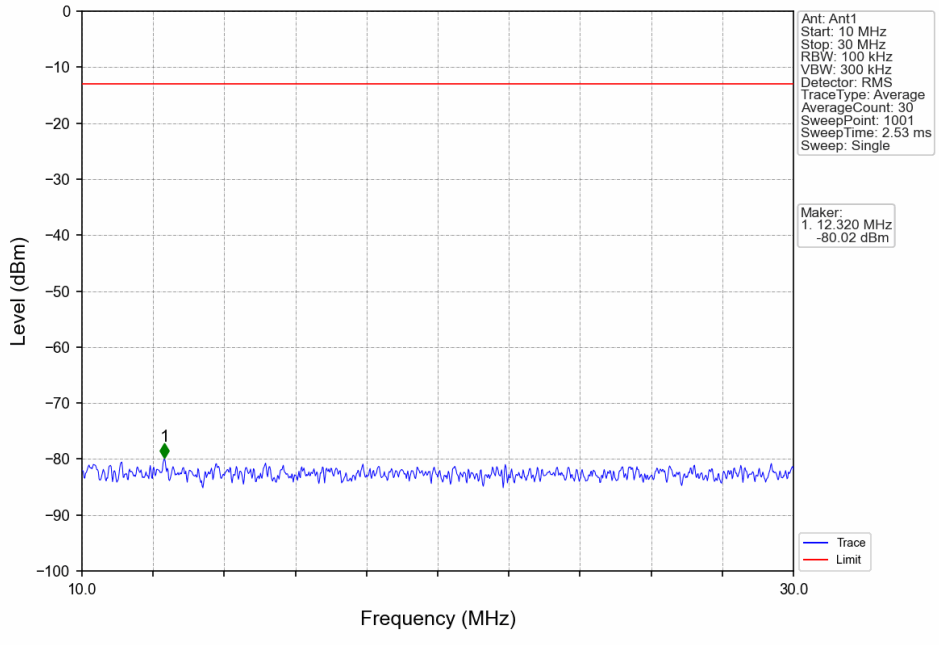
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV



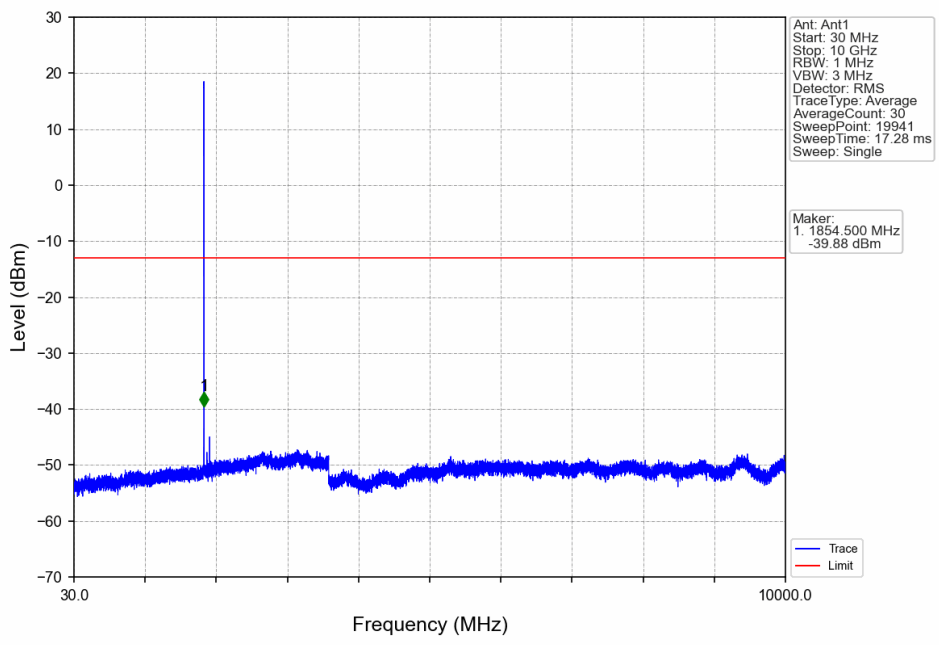
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV



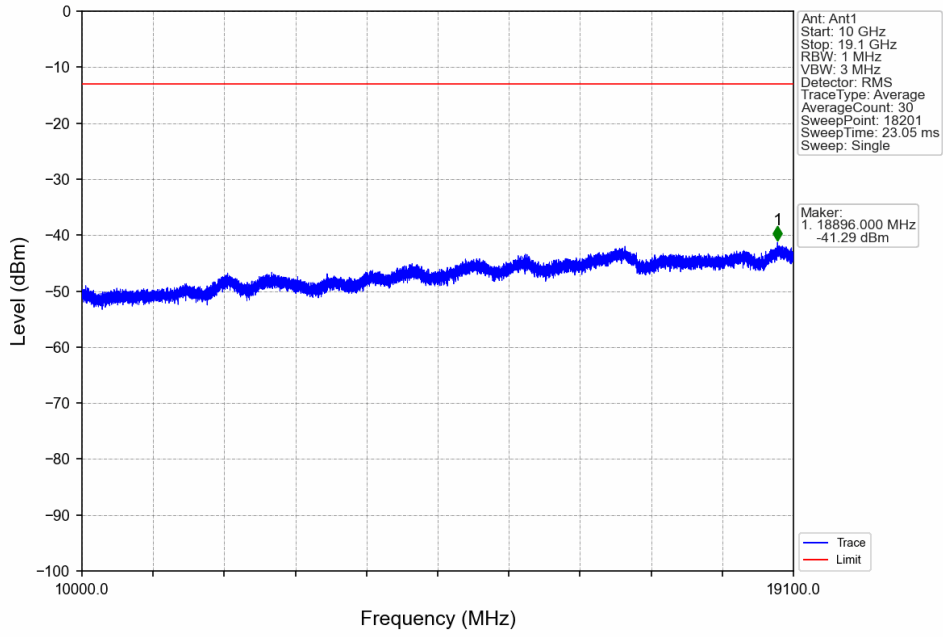
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV



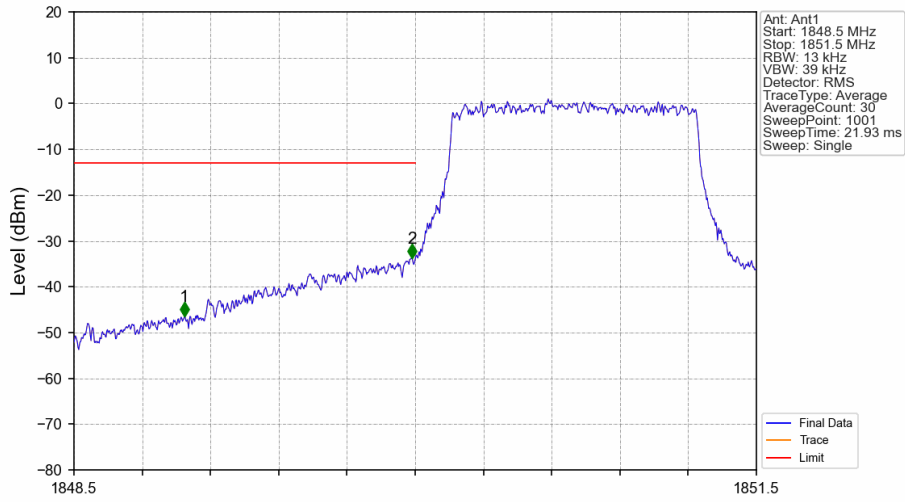
Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV



Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_1\_0\_NTNV

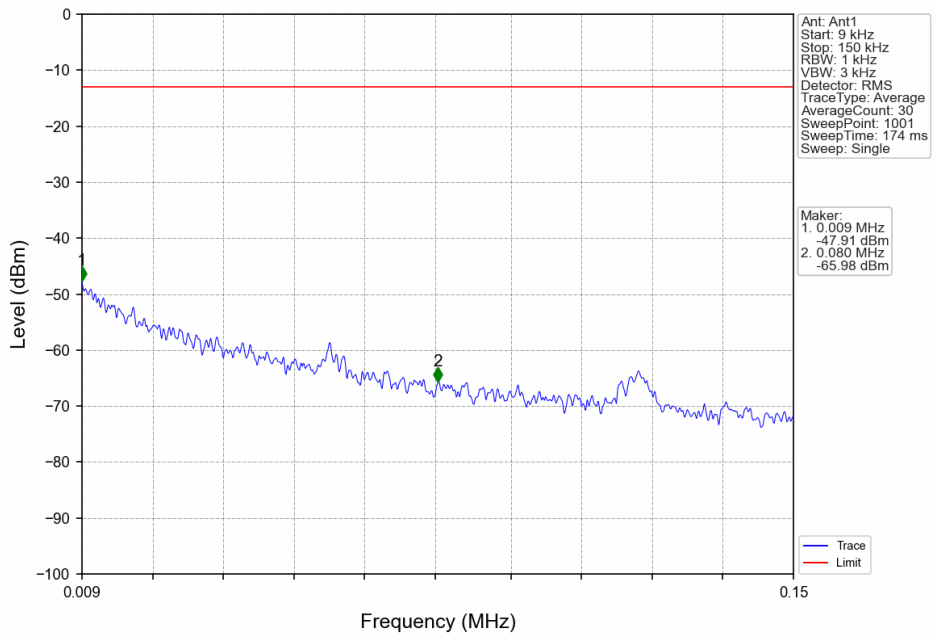


Band2\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV

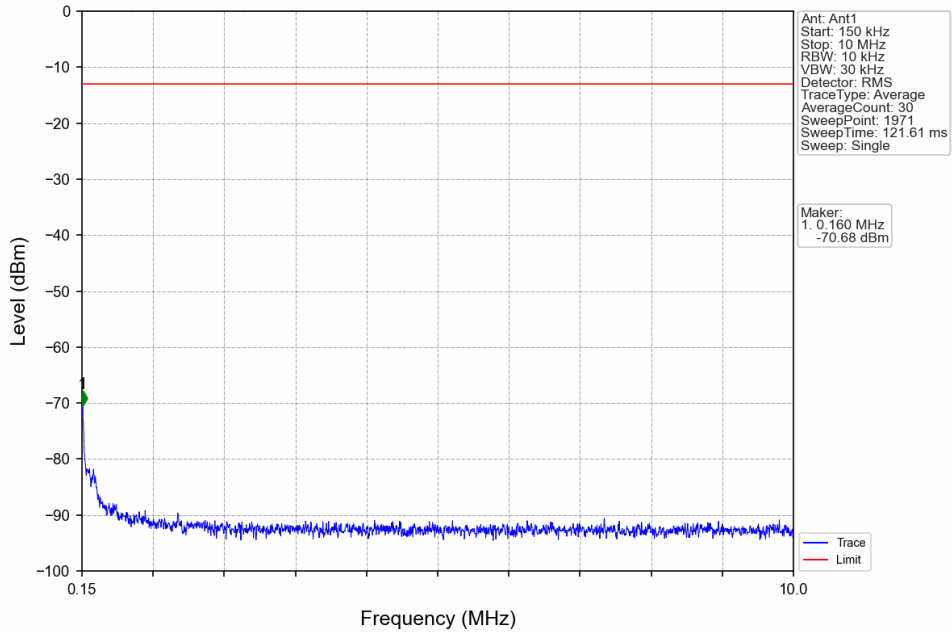


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.986	-46.45	-13	Pass
1849	1850	0.013	/	2	1849.985	-33.83	-13	Pass
1850	1851.5	0.013	/	/	/	/	/	/

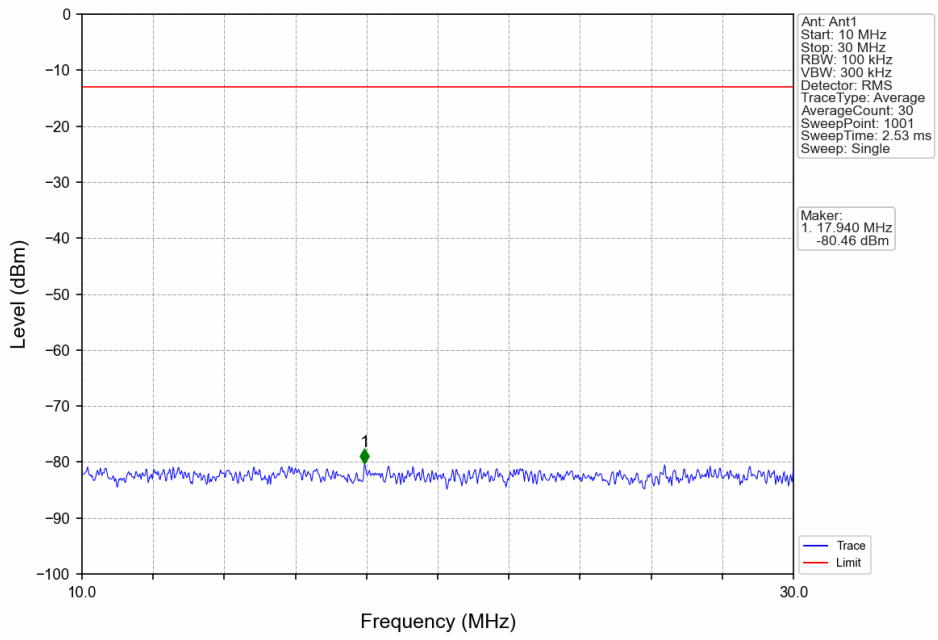
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



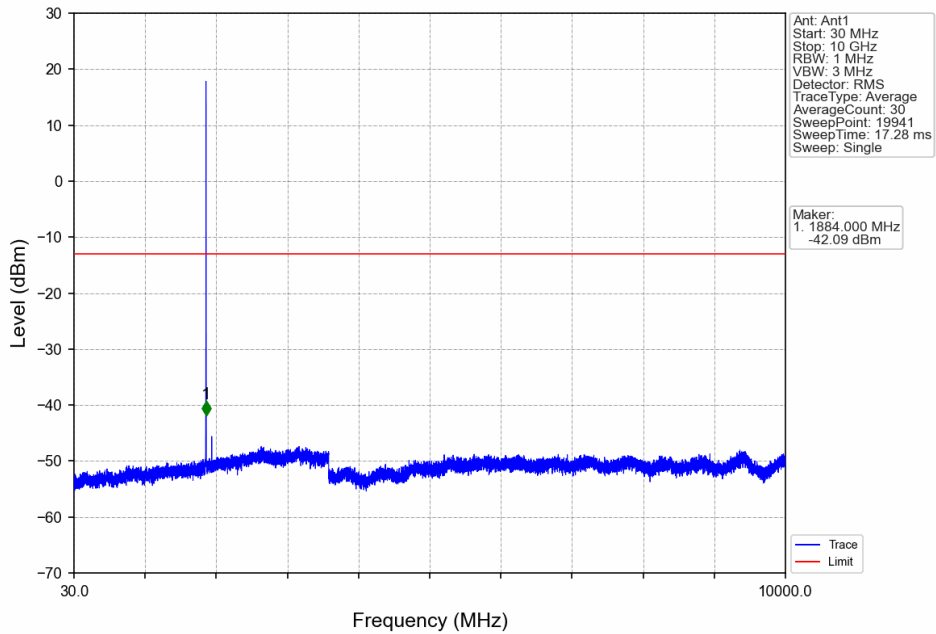
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



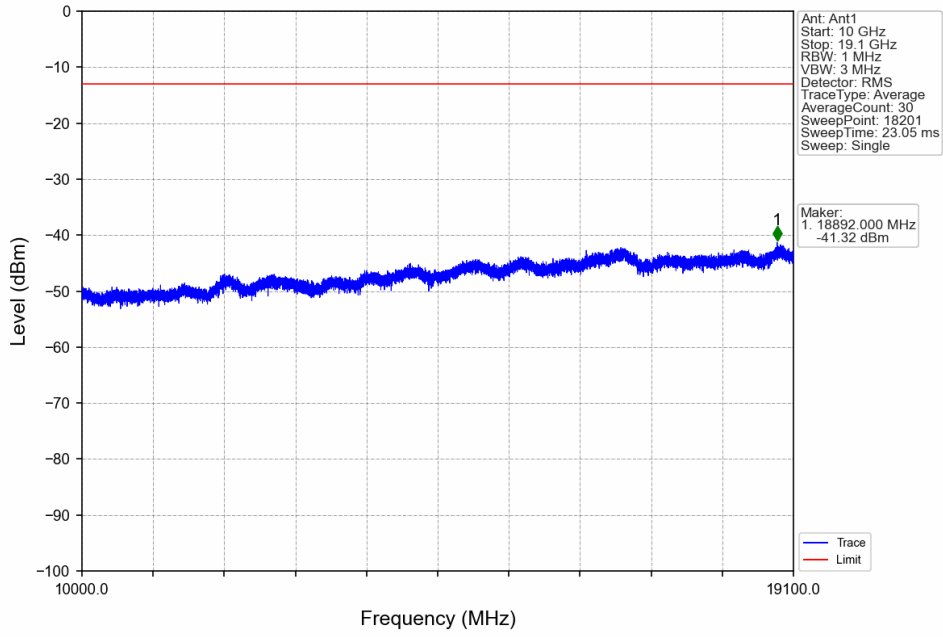
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



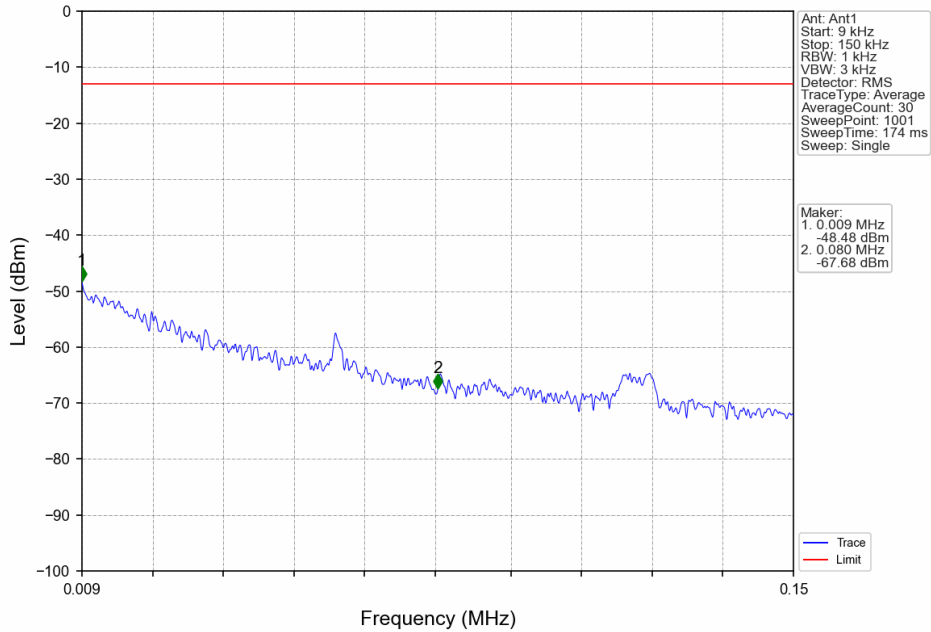
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



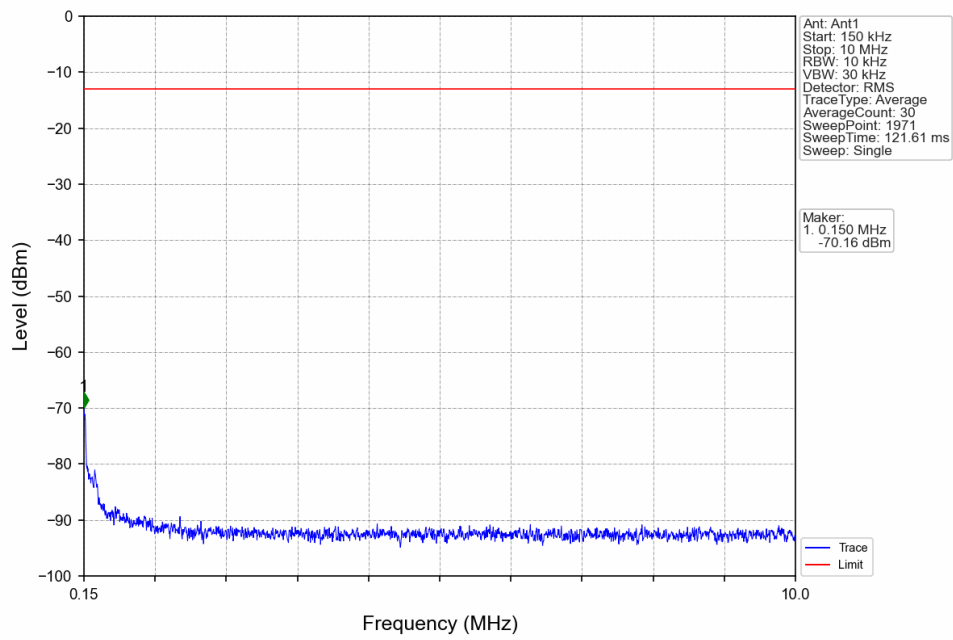
Band2\_1.4MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



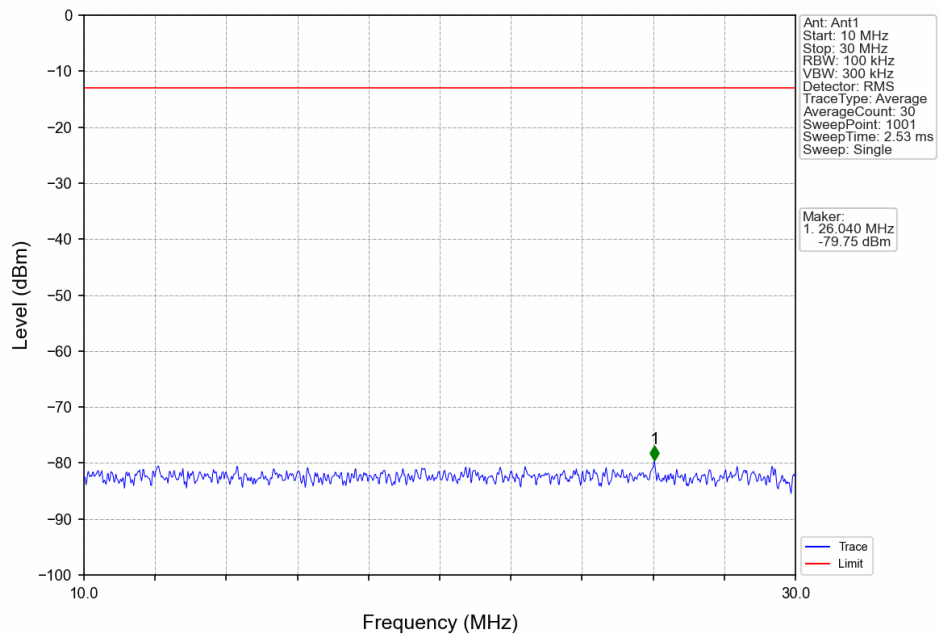
Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV

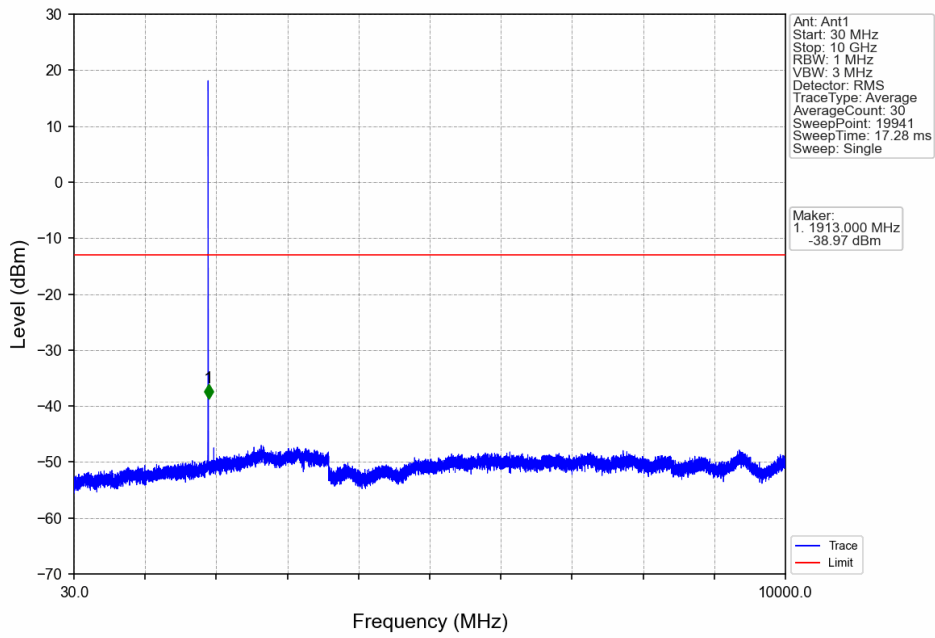


Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV

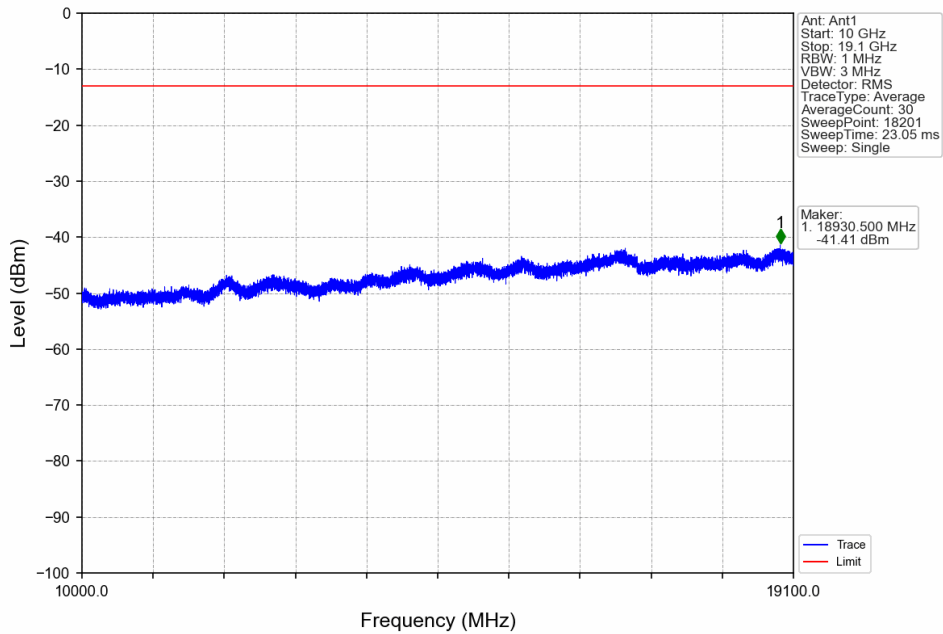




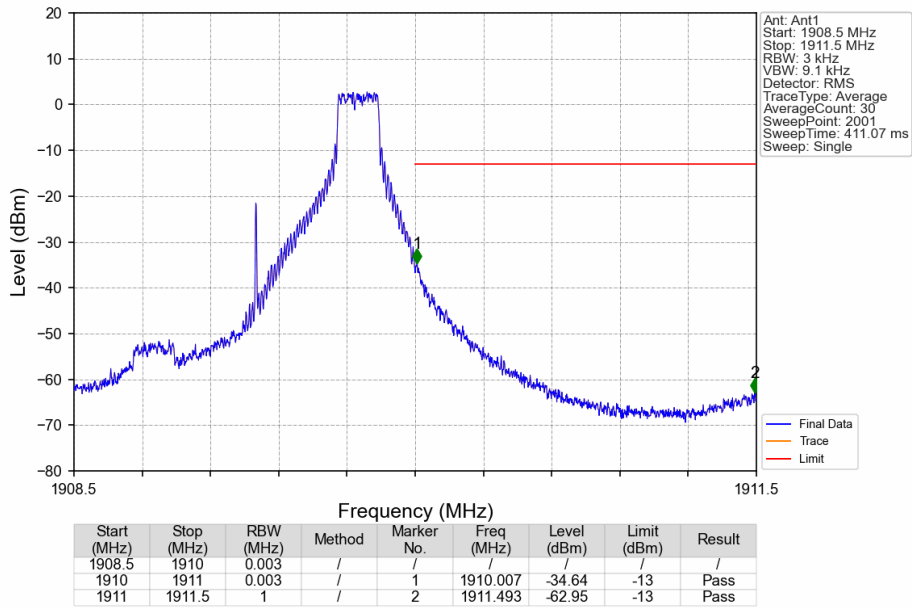
Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



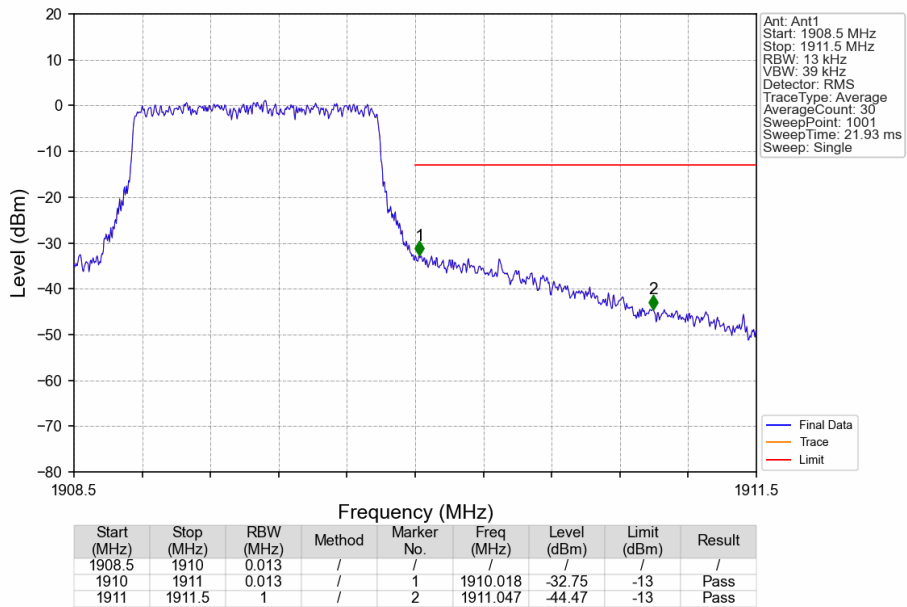
Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_1\_0\_NTNV



Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_1\_5\_NTNV



Band2\_1.4MHz\_16QAM\_HCH\_1909.3MHz\_RB\_6\_0\_NTNV

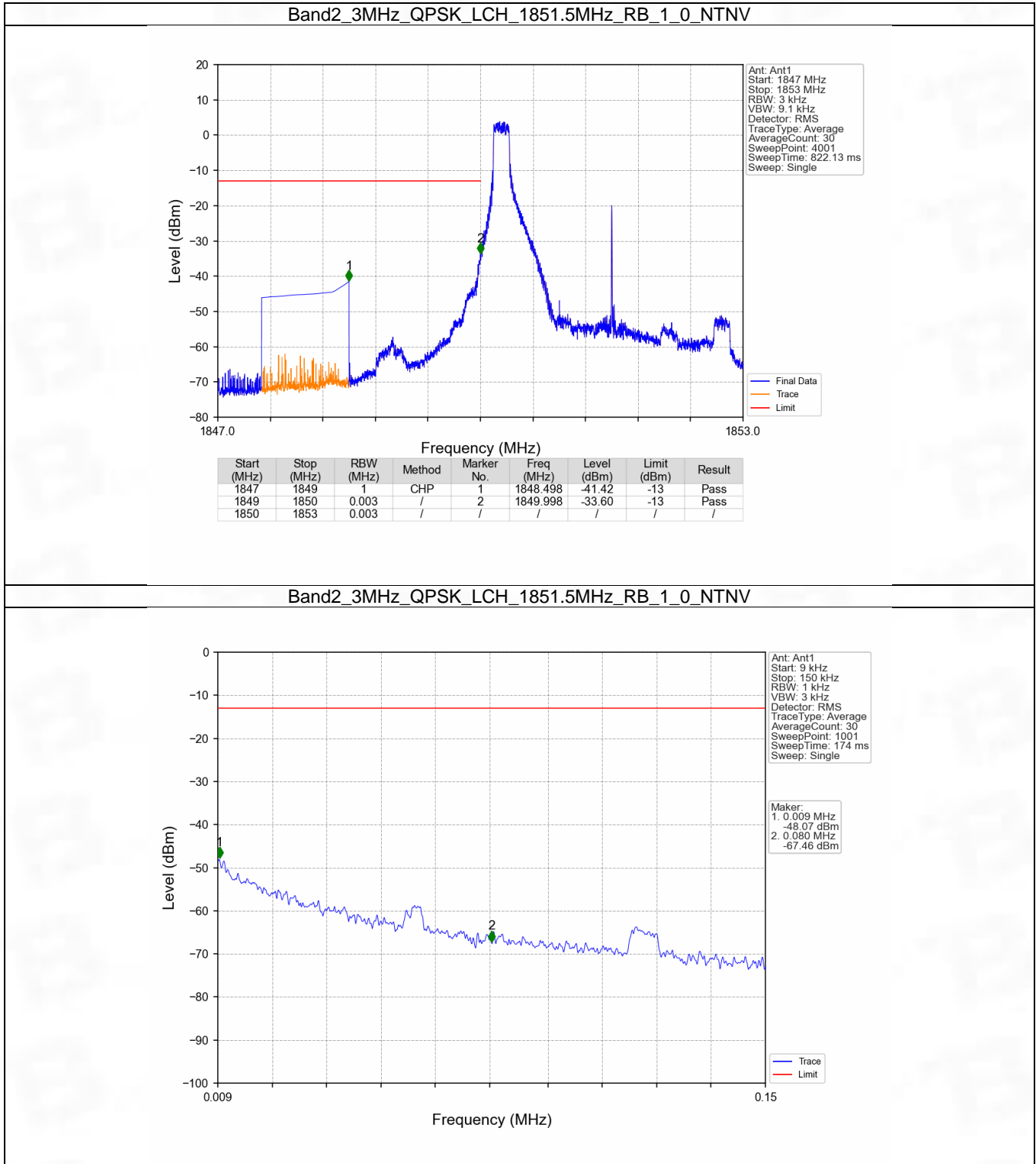


## 6.2 B2\_3MHz

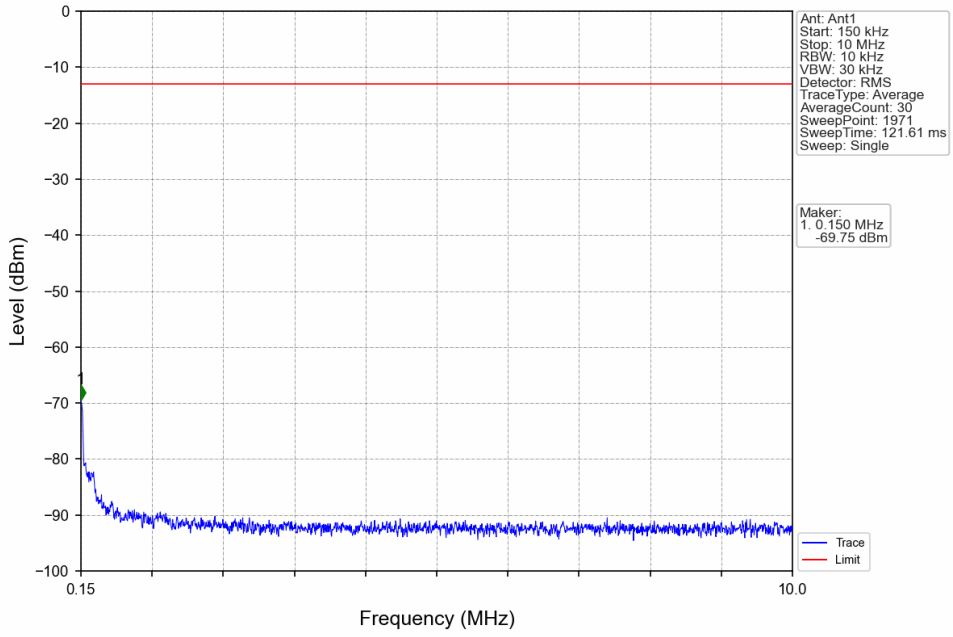
### 6.2.1 Test Result

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

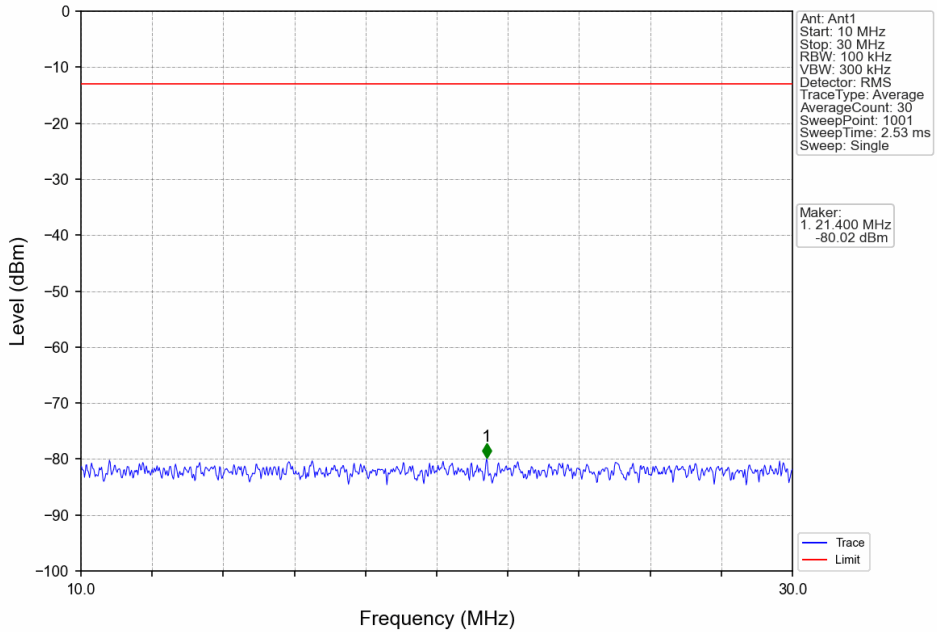
### 6.2.2 Test Graph



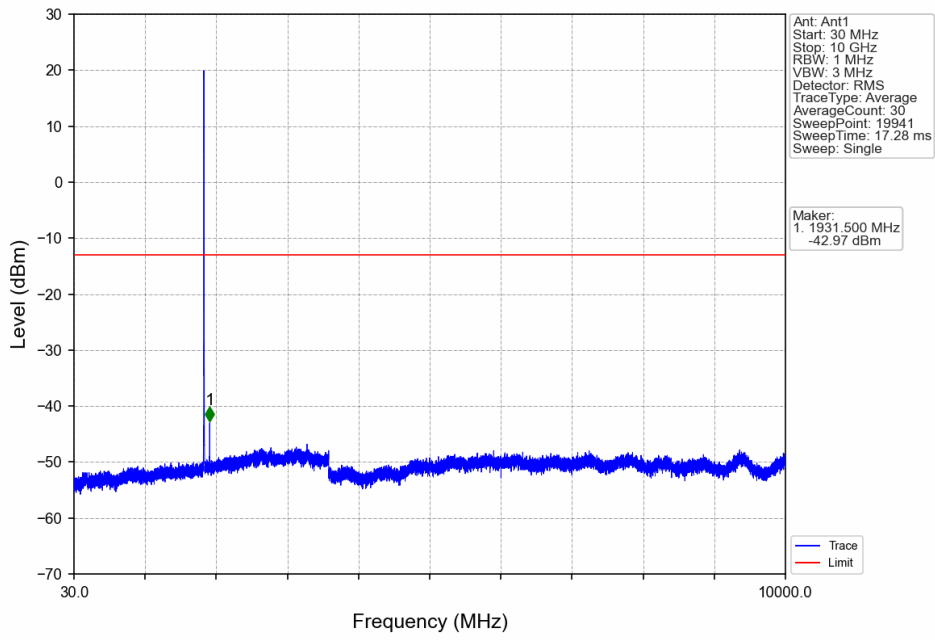
Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_1\_0\_NTNV



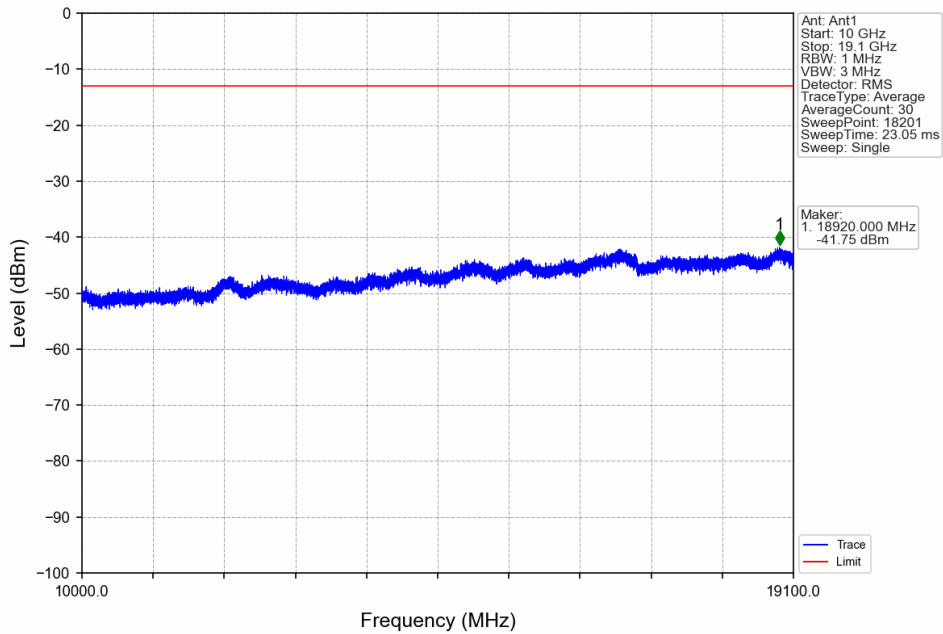
Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_1\_0\_NTNV



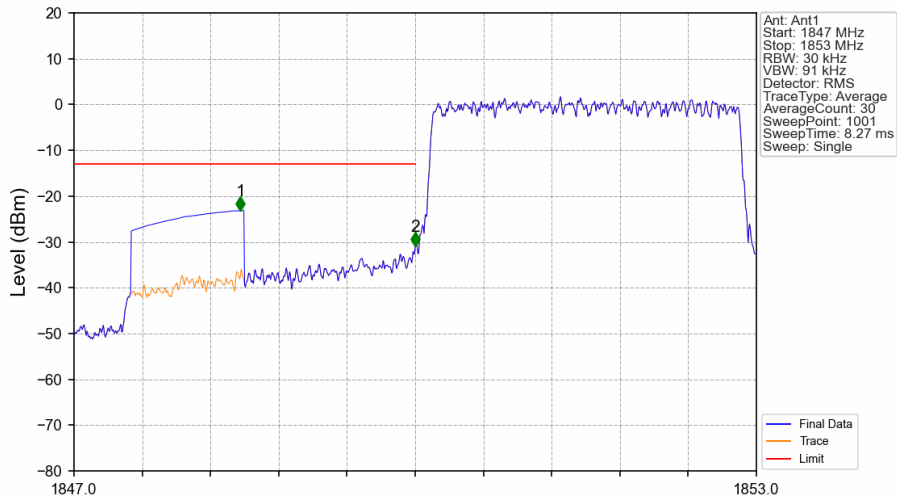
Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_1\_0\_NTNV



Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_1\_0\_NTNV

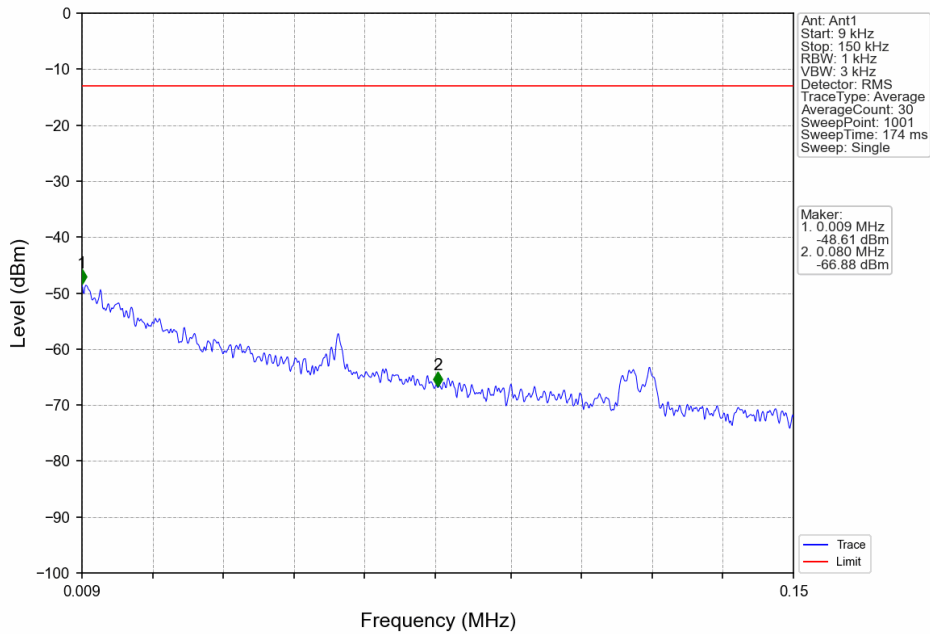


Band2\_3MHz\_QPSK\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV

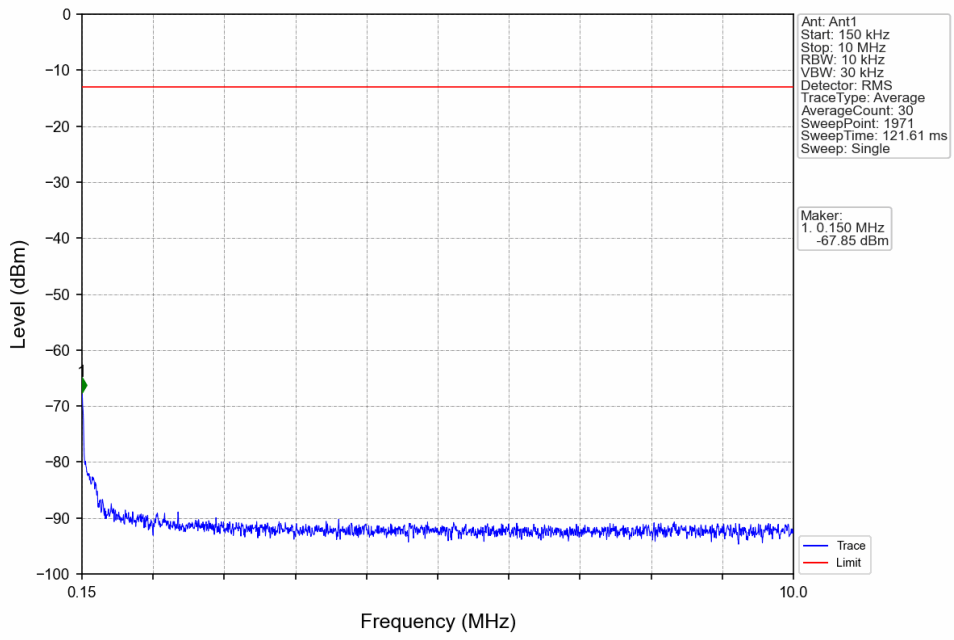


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.464	-23.17	-13	Pass
1849	1850	0.03	/	2	1850.000	-30.97	-13	Pass
1850	1853	0.03	/	/	/	/	/	/

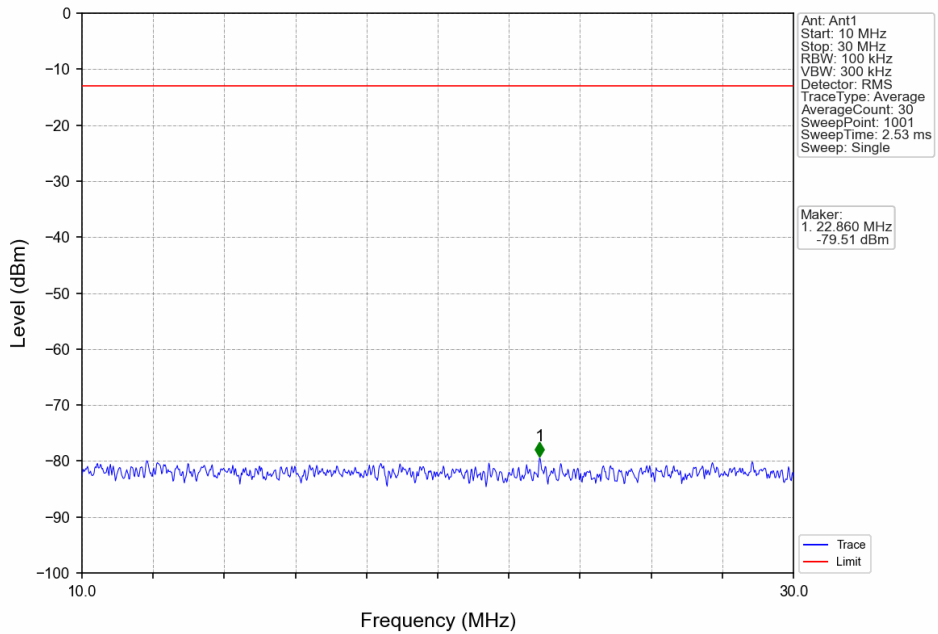
Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV

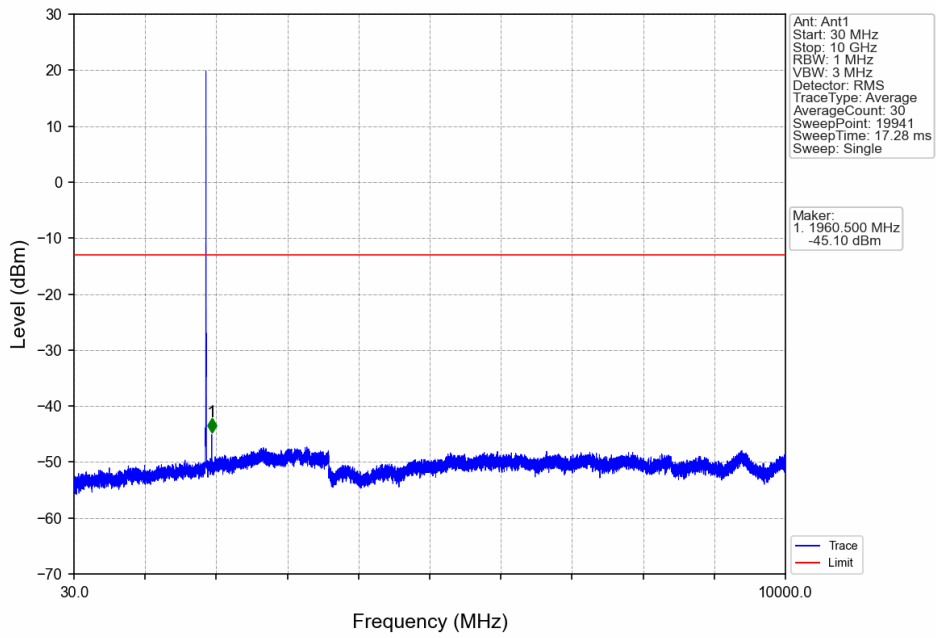


Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV

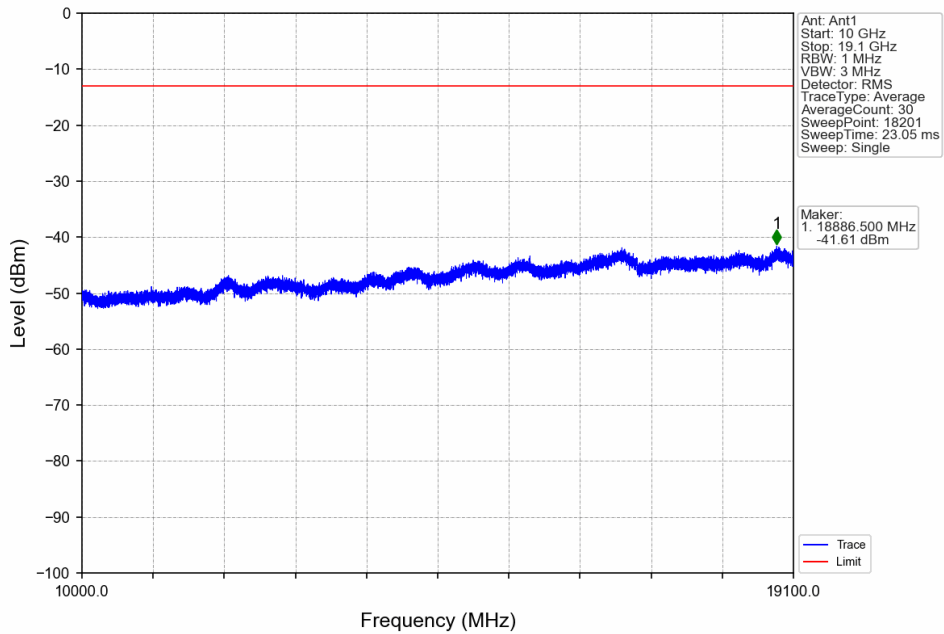




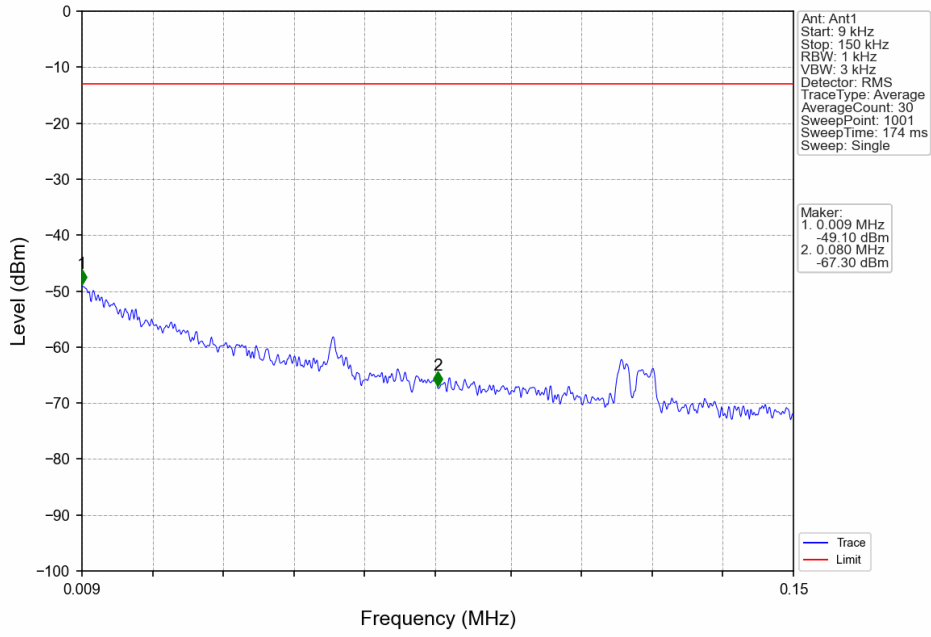
Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



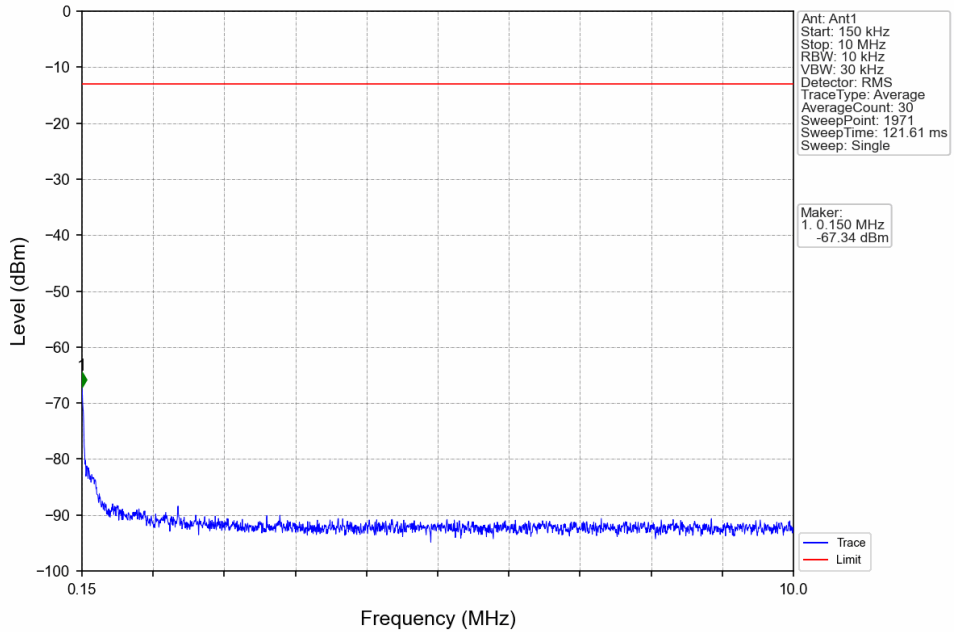
Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



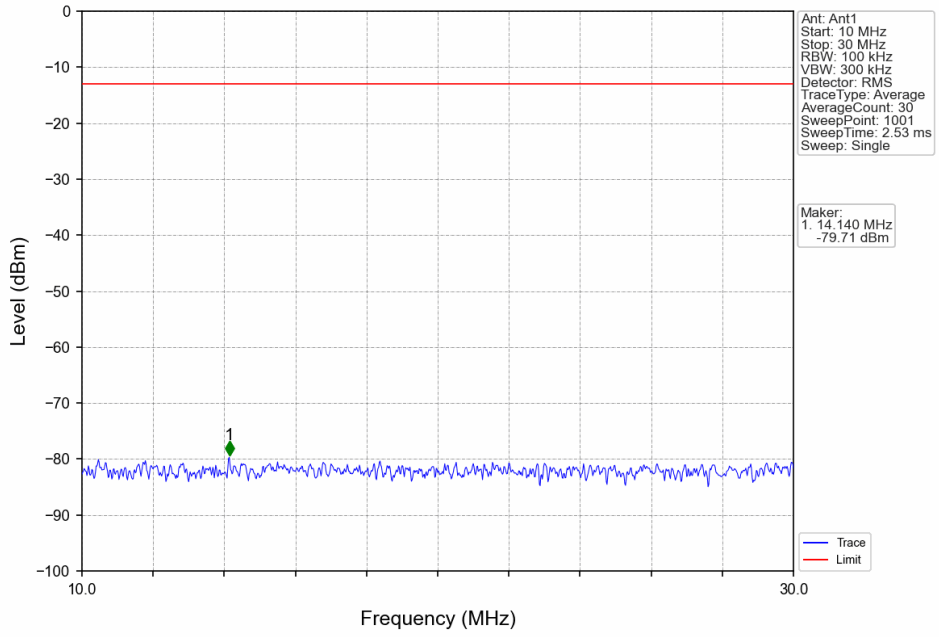
Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_1\_0\_NTNV



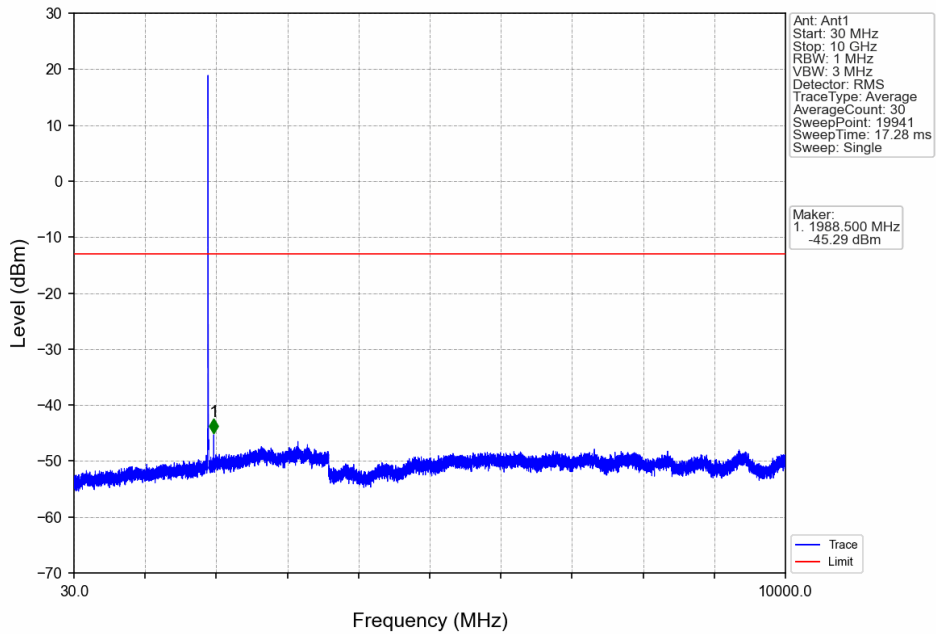
Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_1\_0\_NTNV



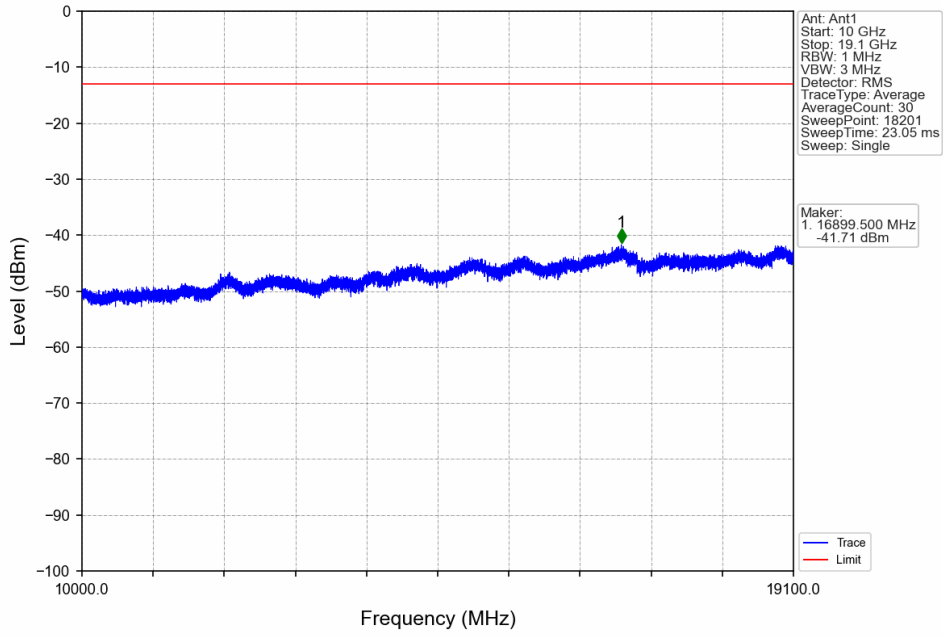
Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_1\_0\_NTNV



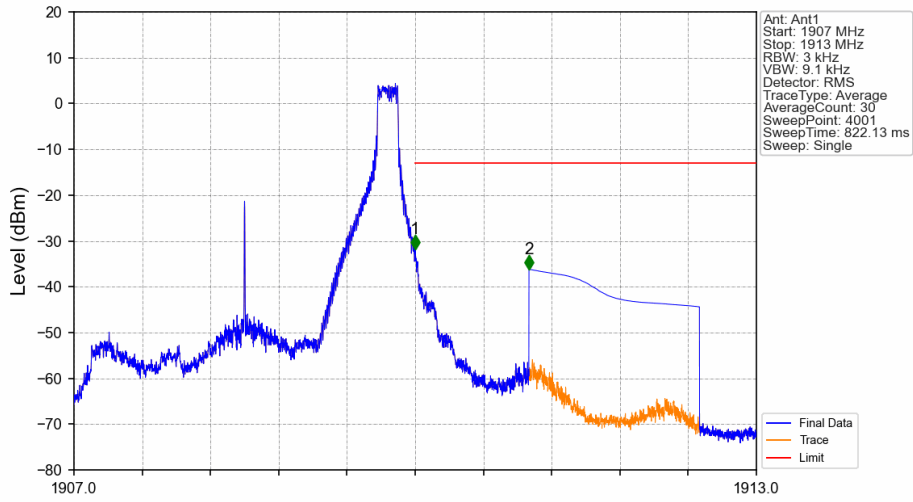
Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_1\_0\_NTNV



Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_1\_0\_NTNV

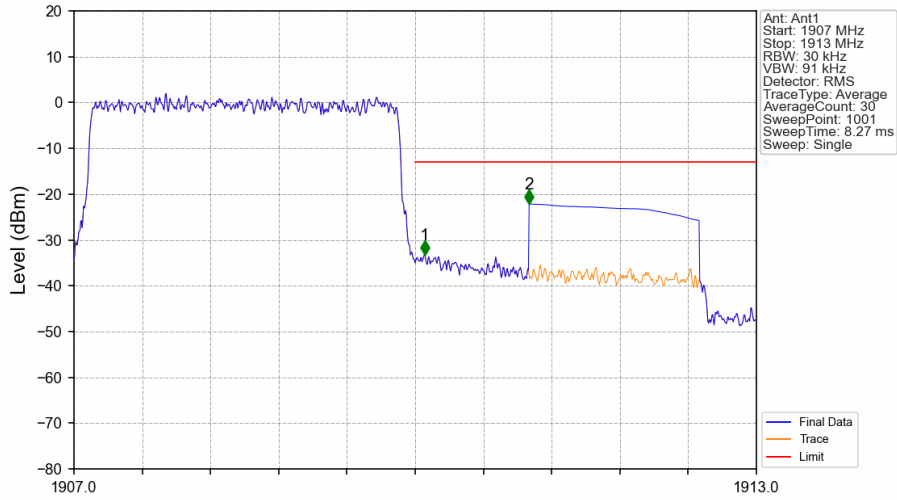


Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_1\_14\_NTNV



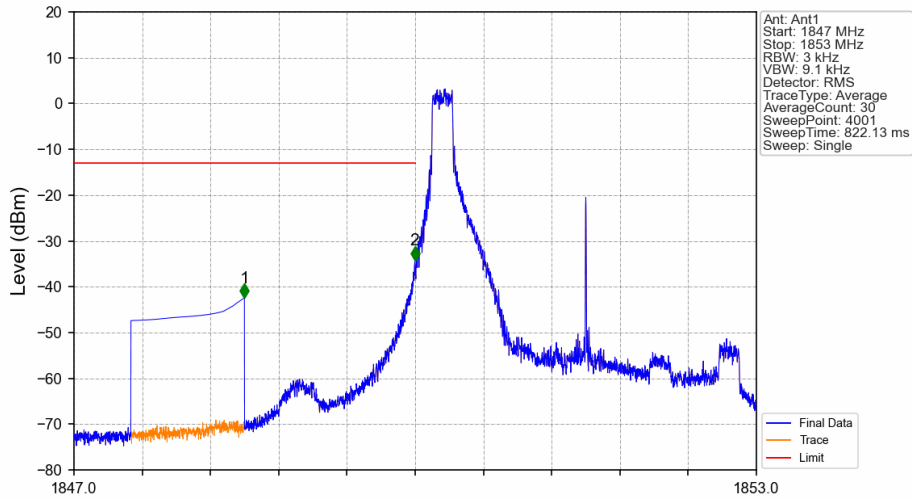
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.003	/	1	1910.000	-31.79	-13	Pass
1910	1911	0.003	/	1	1910.000	-31.79	-13	Pass
1911	1913	1	CHP	2	1911.001	-36.17	-13	Pass

Band2\_3MHz\_QPSK\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV



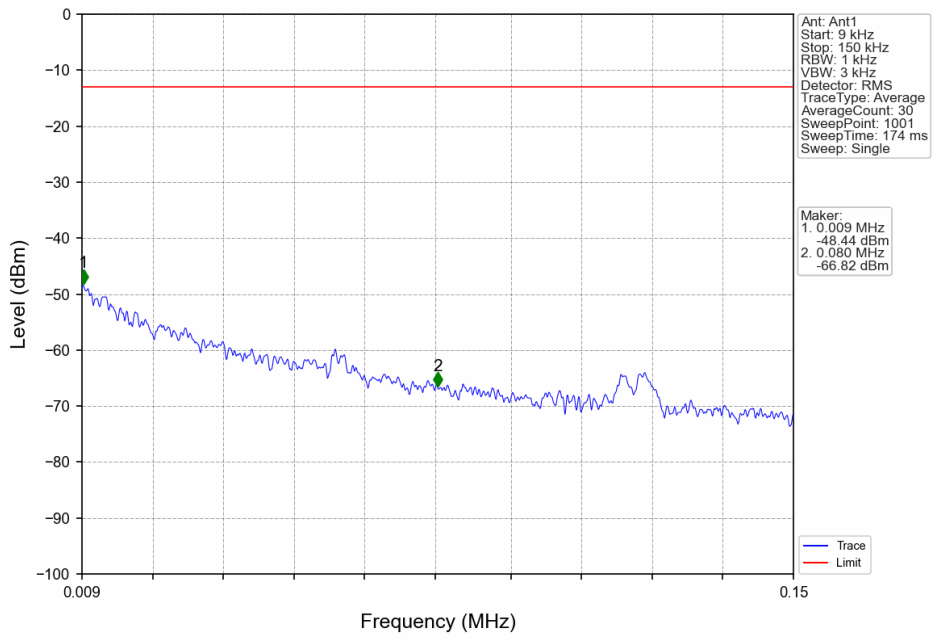
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.03	/	/	/	/	/	/
1910	1911	0.03	/	1	1910.084	-33.31	-13	Pass
1911	1913	1	CHP	2	1911.002	-22.16	-13	Pass

Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_1\_0\_NTNV

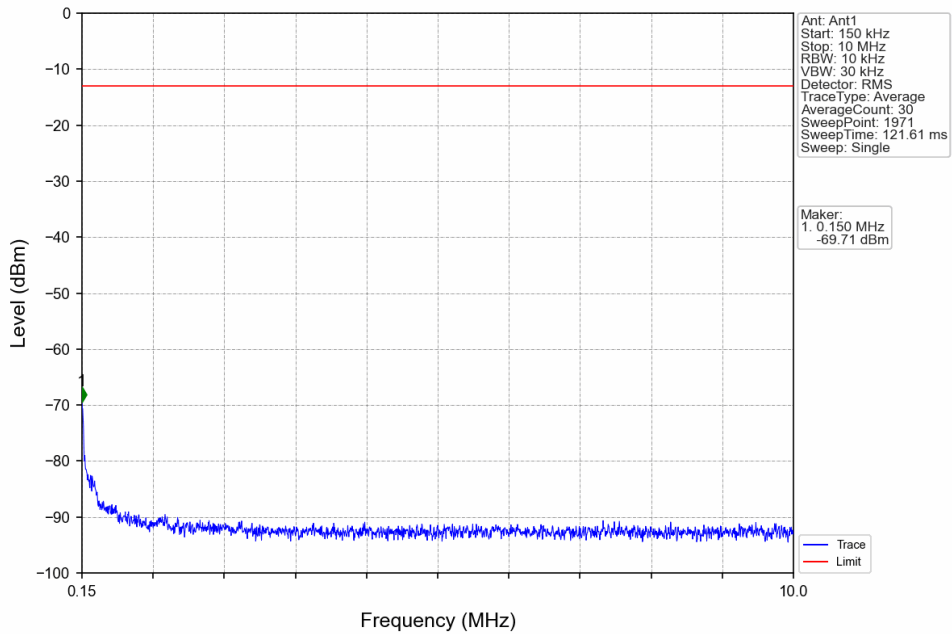


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.498	-42.45	-13	Pass
1849	1850	0.003	/	2	1849.997	-34.26	-13	Pass
1850	1853	0.003	/	/	/	/	/	/

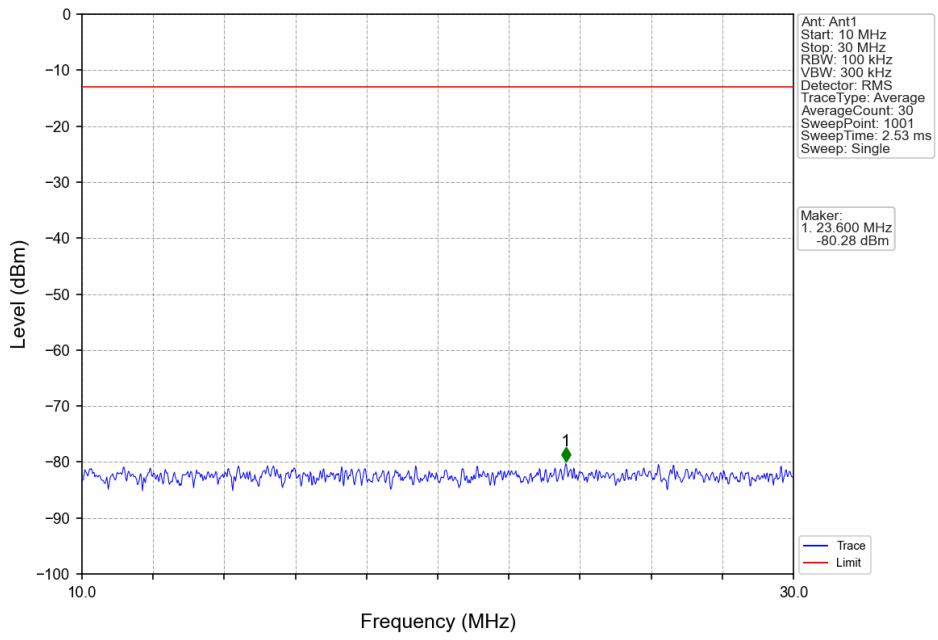
Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_1\_0\_NTNV



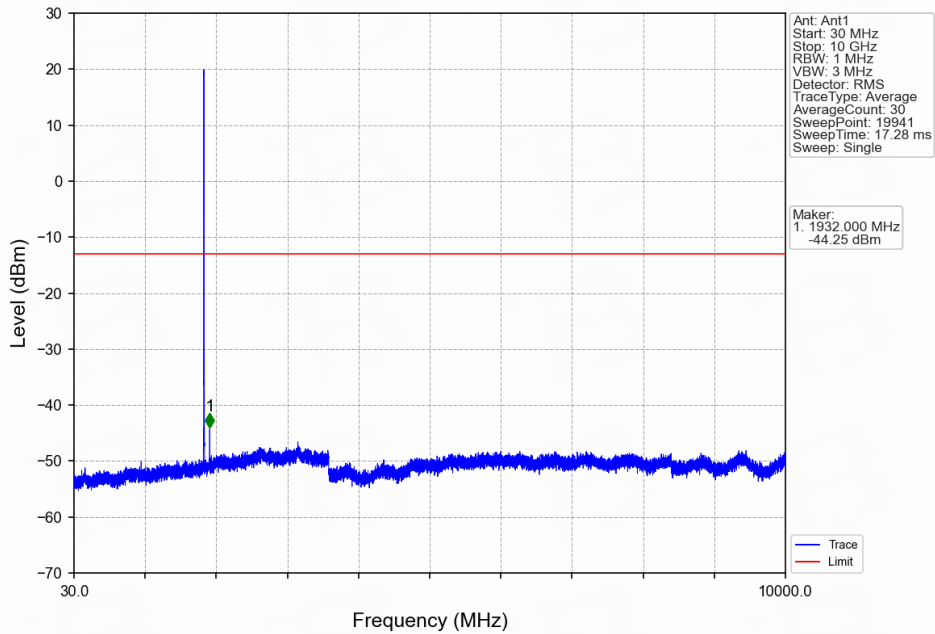
Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_1\_0\_NTNV



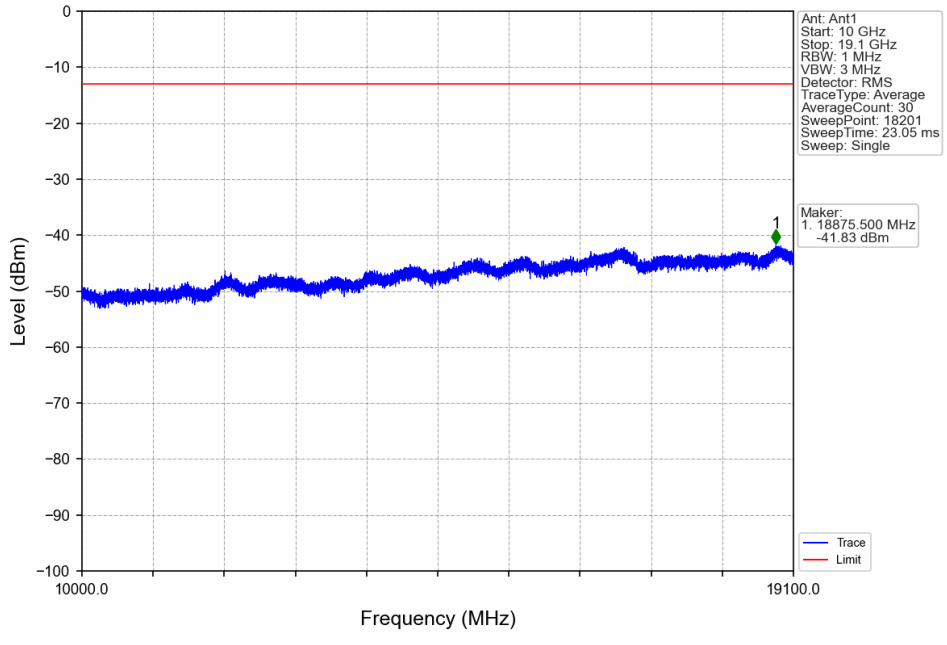
Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_1\_0\_NTNV



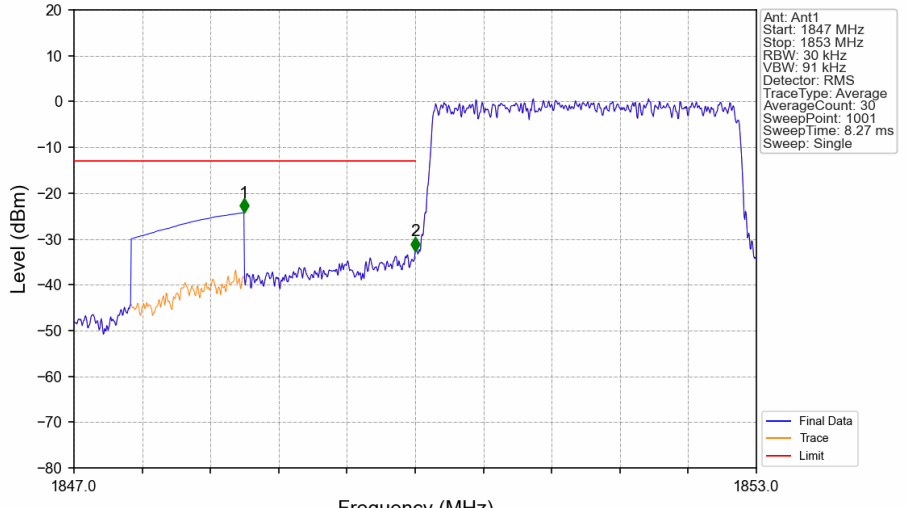
Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_1\_0\_NTNV



Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_1\_0\_NTNV



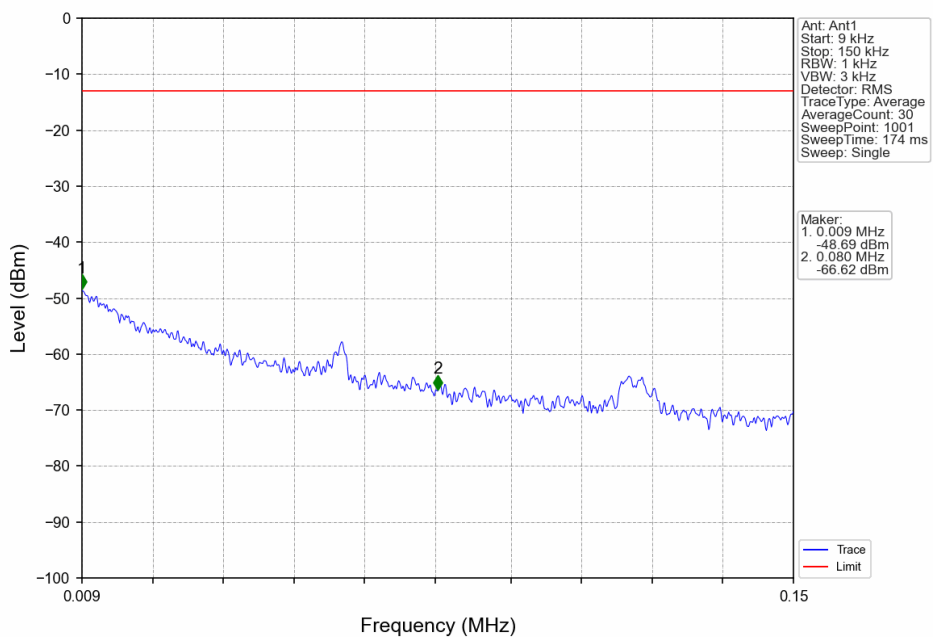
Band2\_3MHz\_16QAM\_LCH\_1851.5MHz\_RB\_15\_0\_NTNV



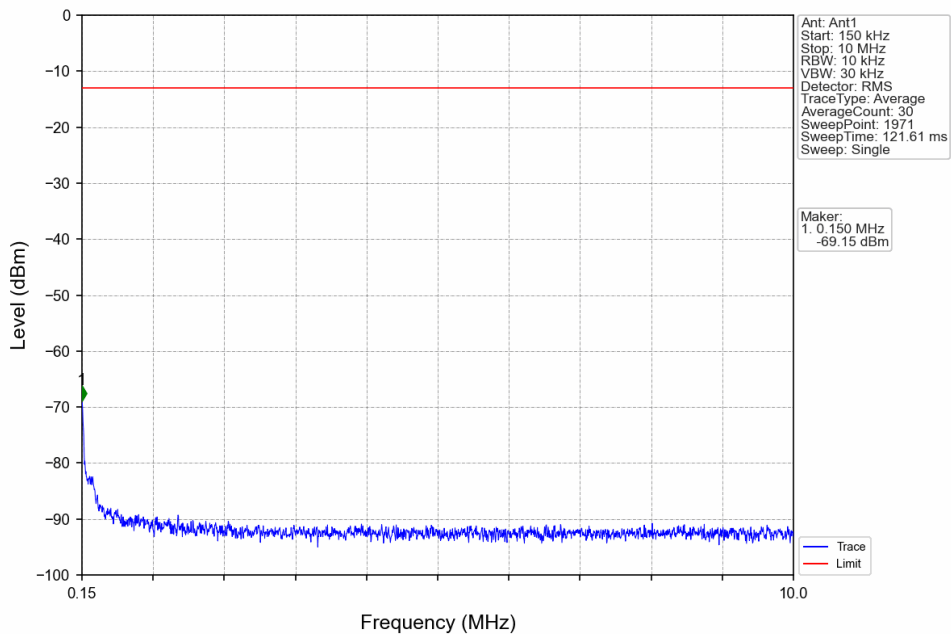
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.494	-24.26	-13	Pass
1849	1850	0.03	/	2	1850.000	-32.65	-13	Pass
1850	1853	0.03	/	/	/	/	/	/



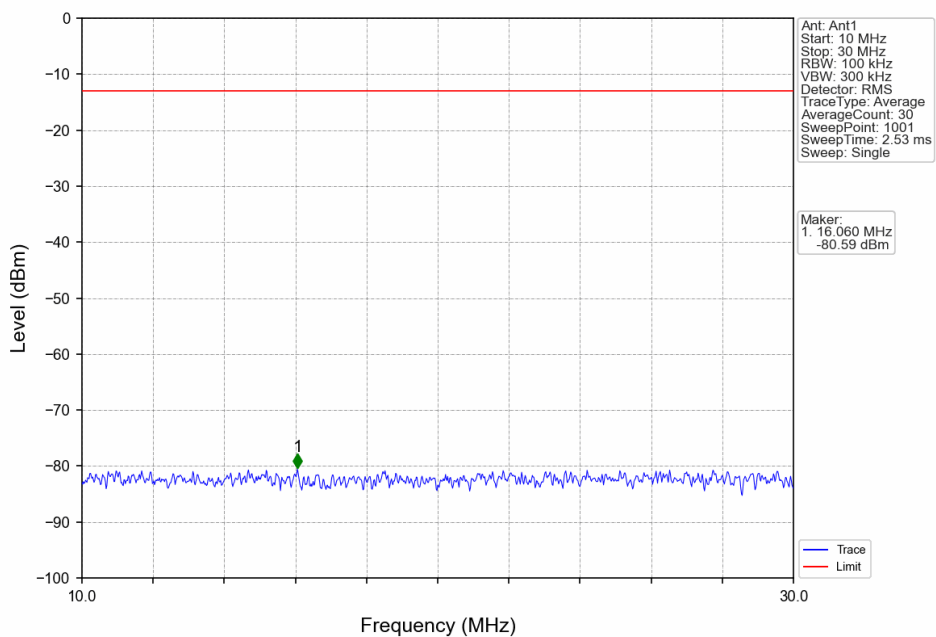
Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



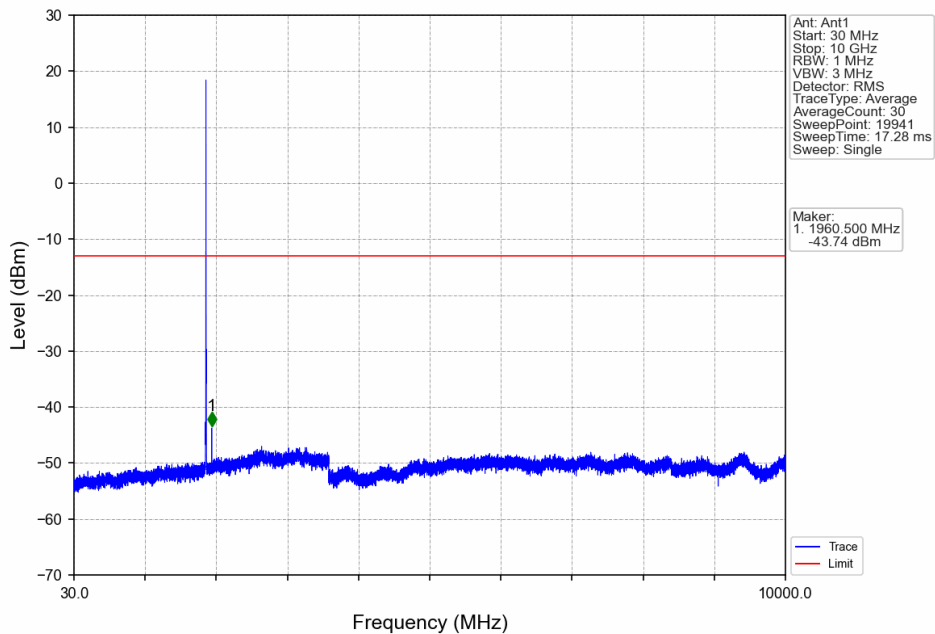
Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



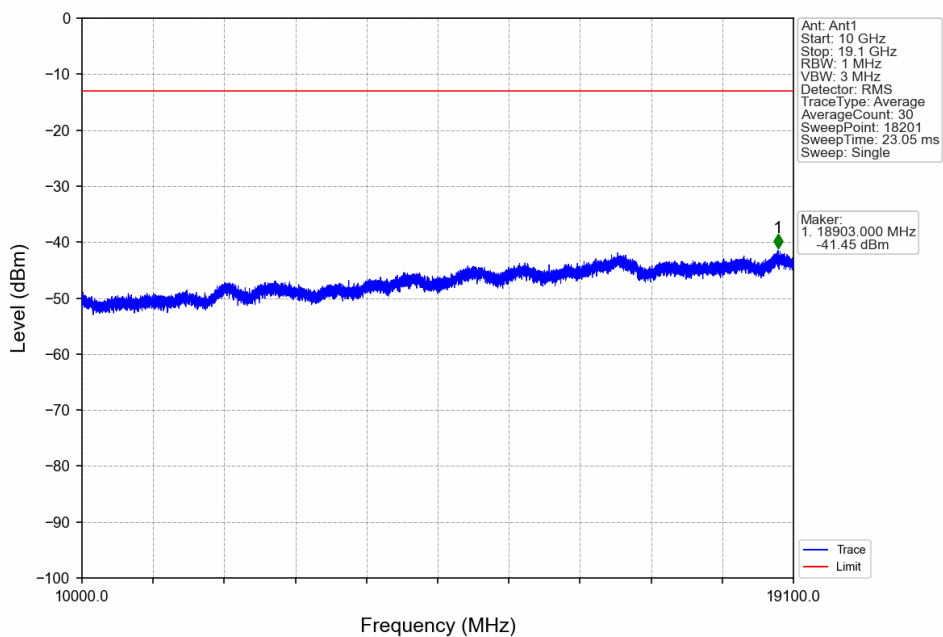
Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



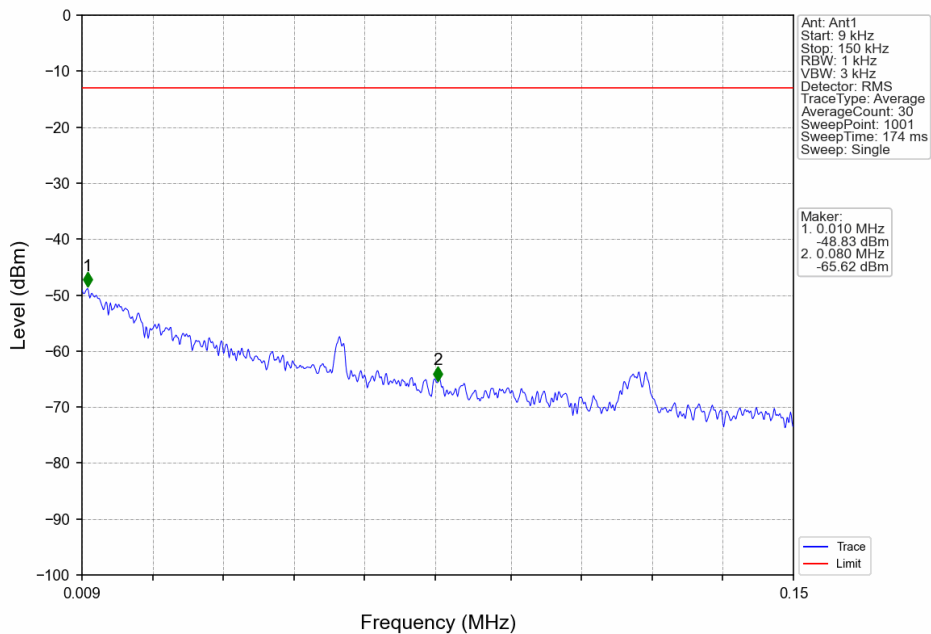
Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



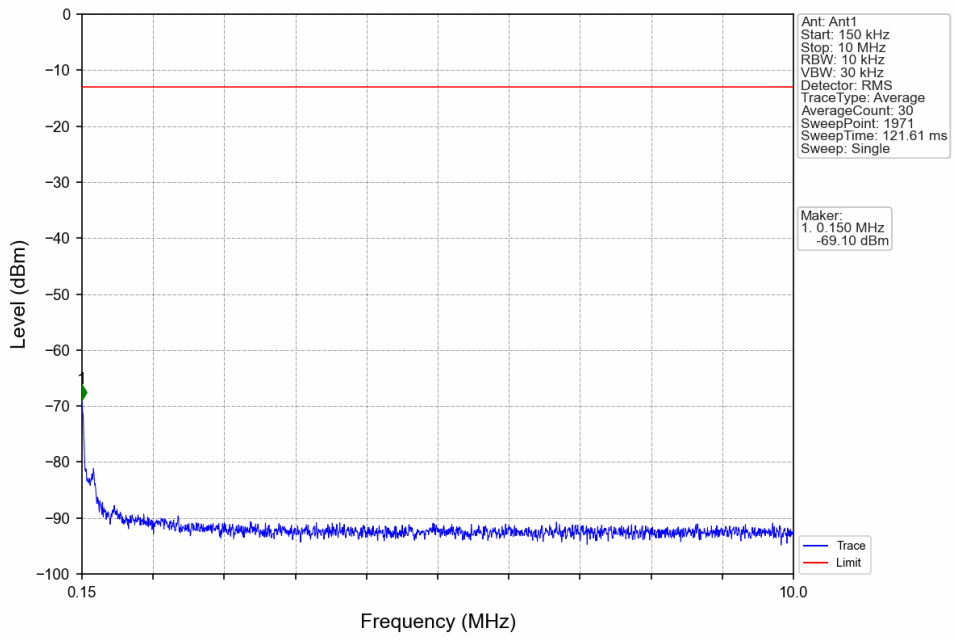
Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_1\_0\_NTNV



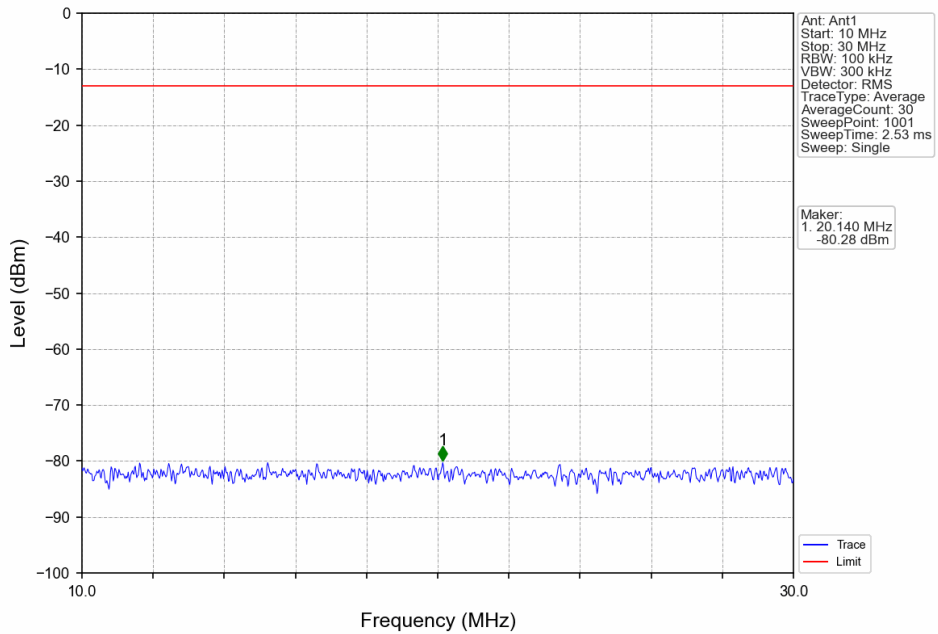
Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_1\_0\_NTNV



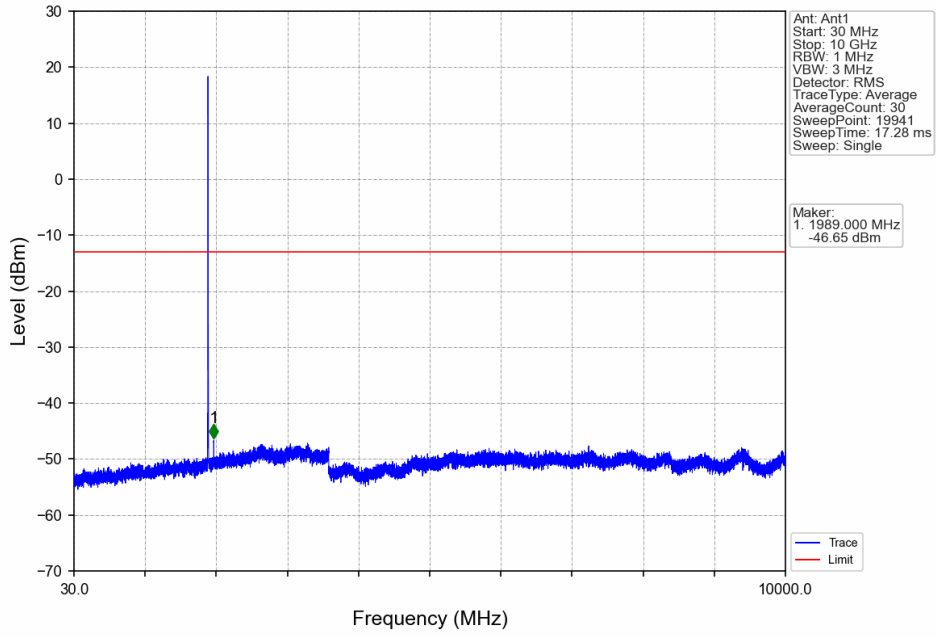
Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_1\_0\_NTNV



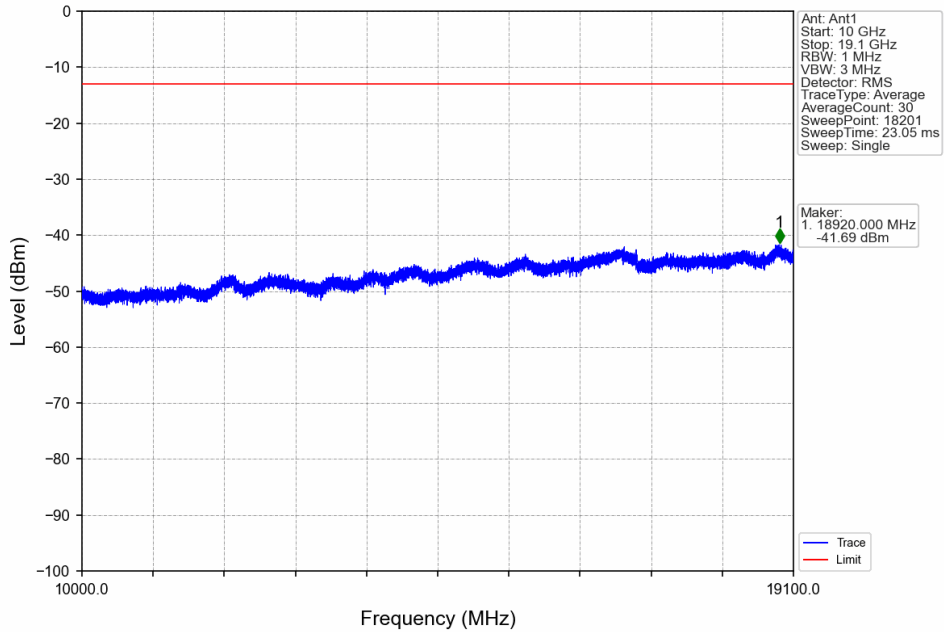
Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_1\_0\_NTNV



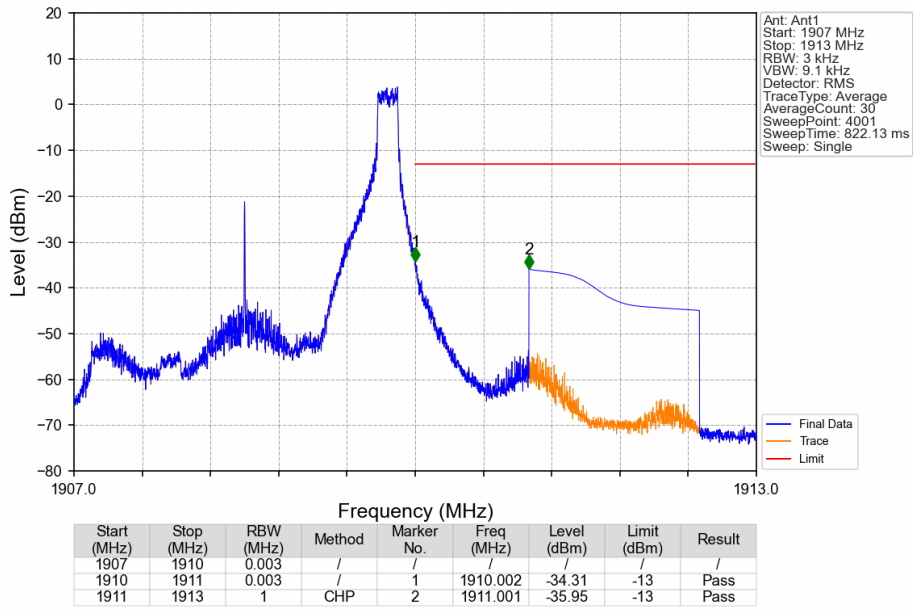
Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_1\_0\_NTNV



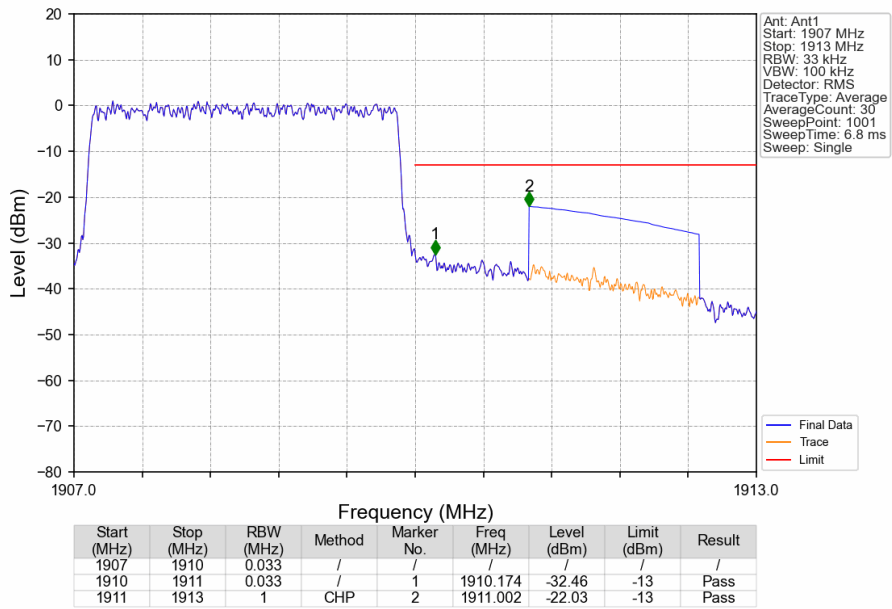
Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_1\_0\_NTNV



Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_1\_14\_NTNV



Band2\_3MHz\_16QAM\_HCH\_1908.5MHz\_RB\_15\_0\_NTNV

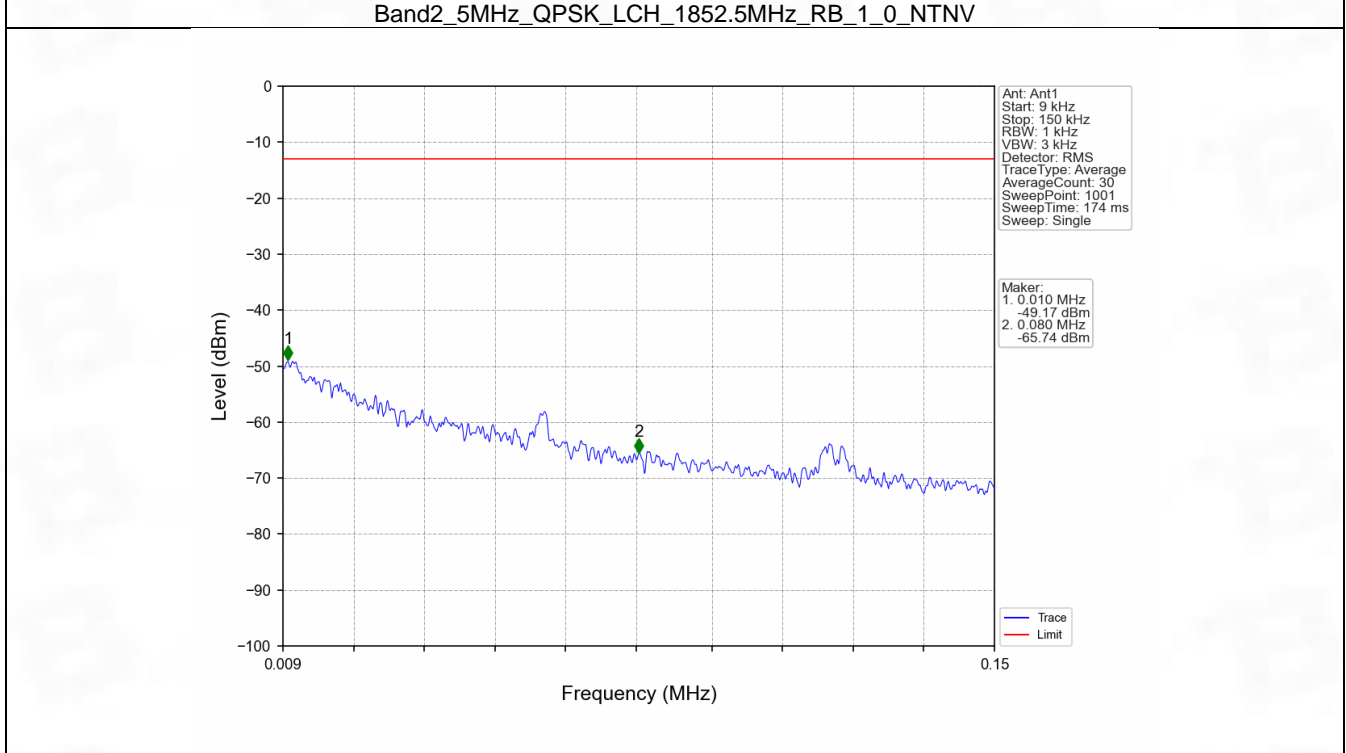
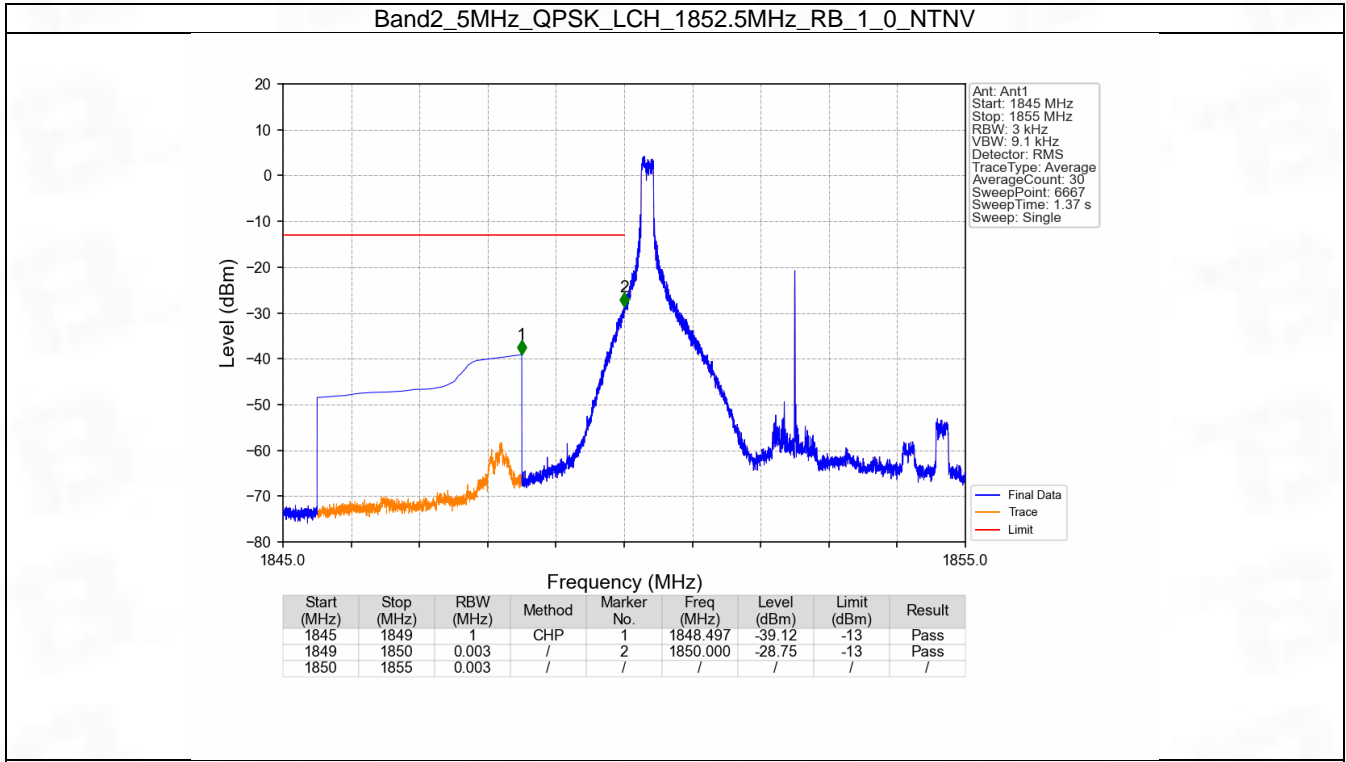


## 6.3 B2\_5MHz

### 6.3.1 Test Result

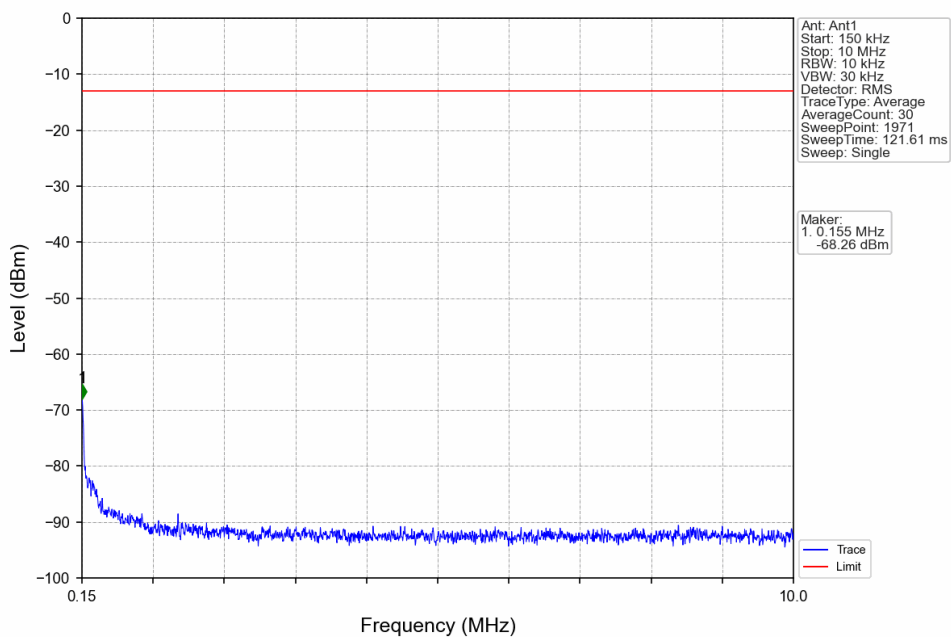
Band: 2 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1907.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

### 6.3.2 Test Graph

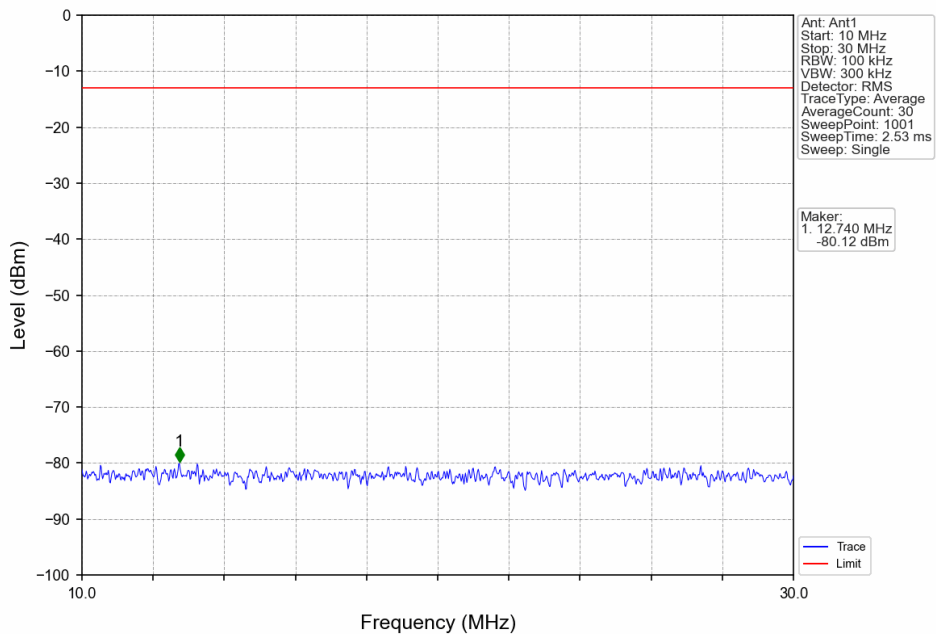




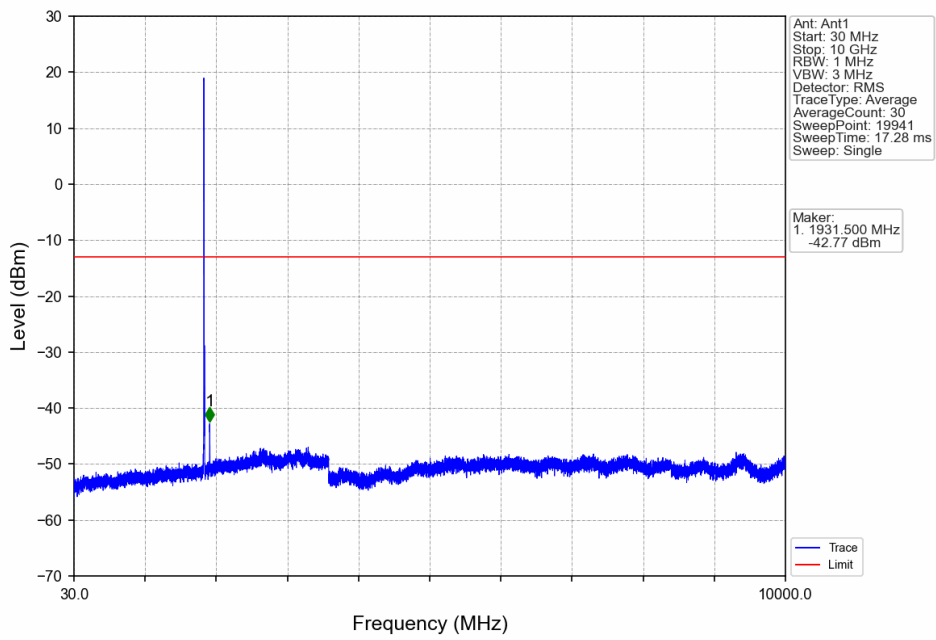
Band2\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_1\_0\_NTNV



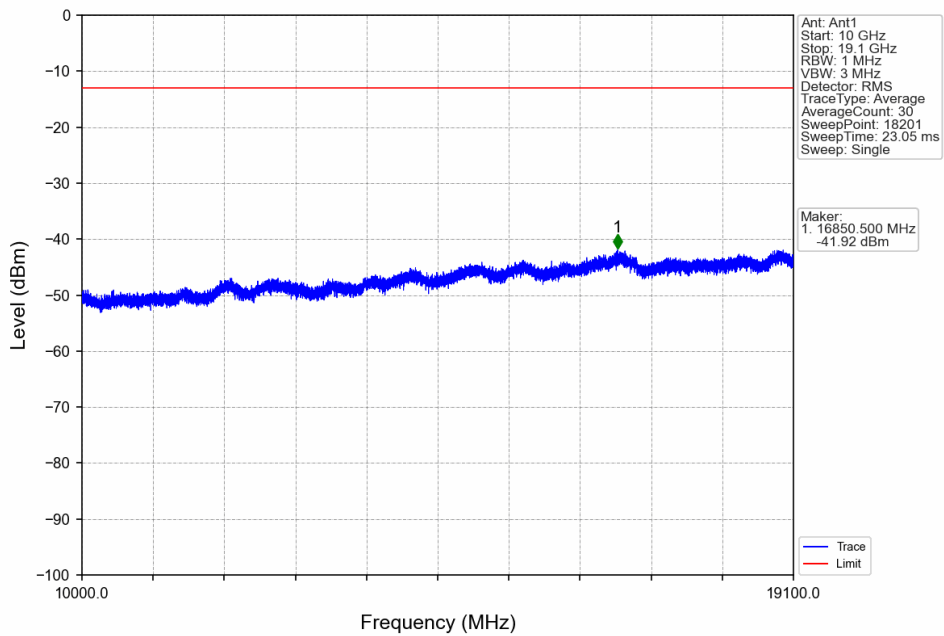
Band2\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_1\_0\_NTNV



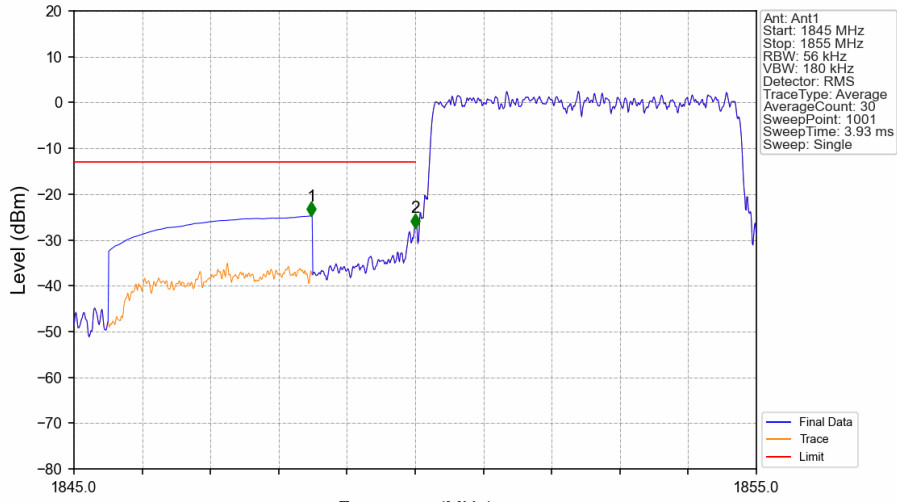
Band2\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_1\_0\_NTNV



Band2\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_1\_0\_NTNV

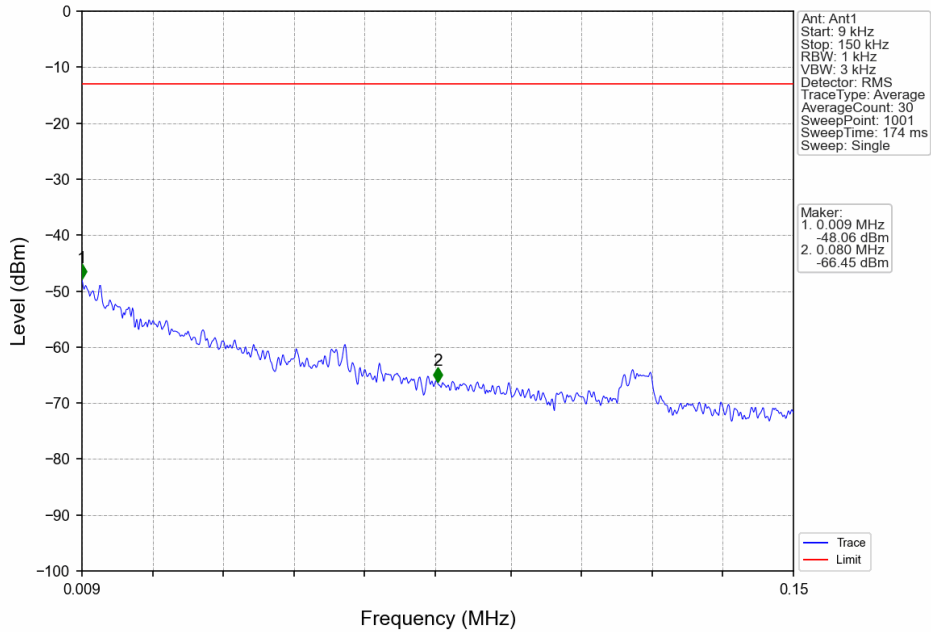


Band2\_5MHz\_QPSK\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV

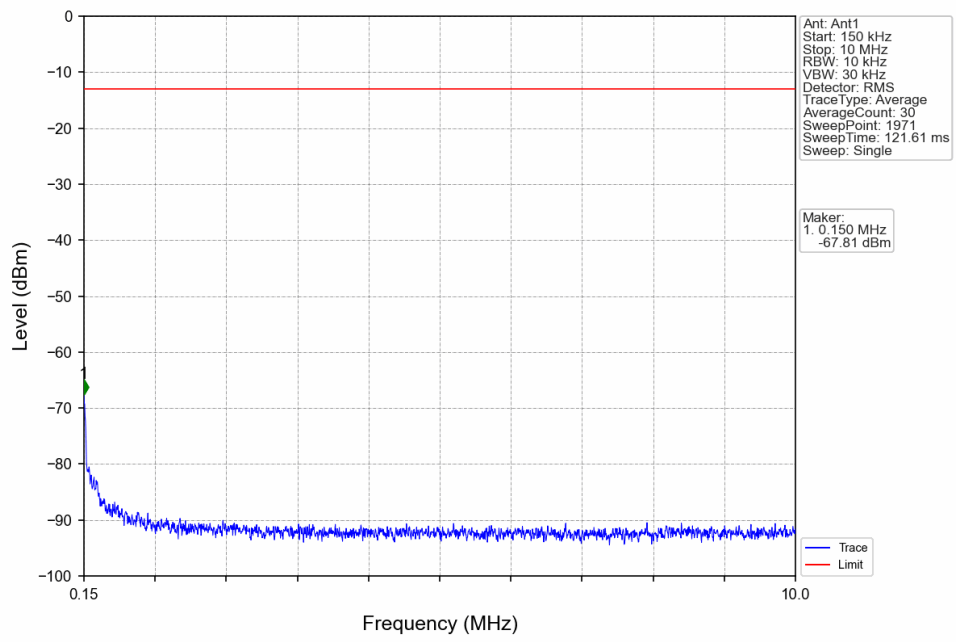


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.480	-24.77	-13	Pass
1849	1850	0.056	/	2	1850.000	-27.37	-13	Pass
1850	1855	0.056	/	/	/	/	/	/

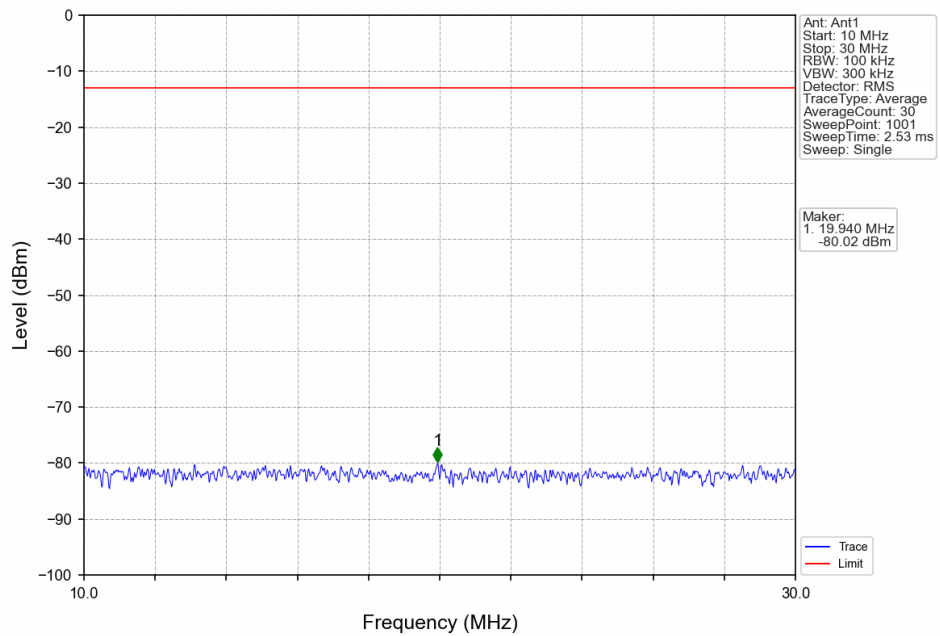
Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



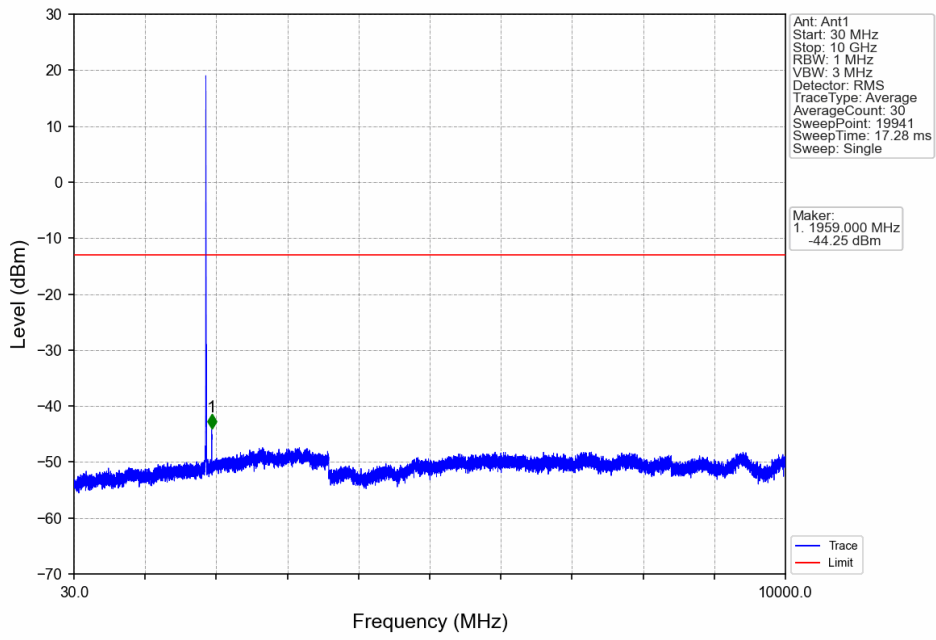
Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV



Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_1\_0\_NTNV

