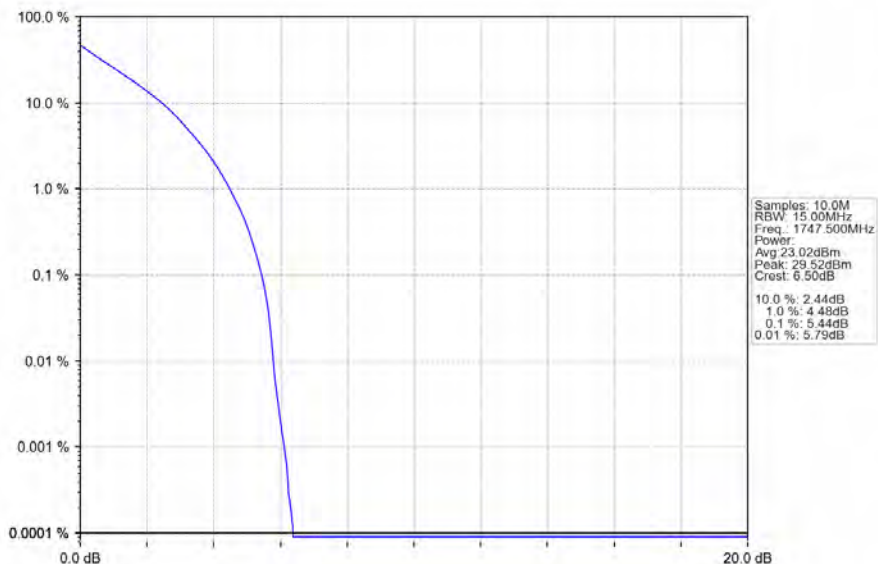




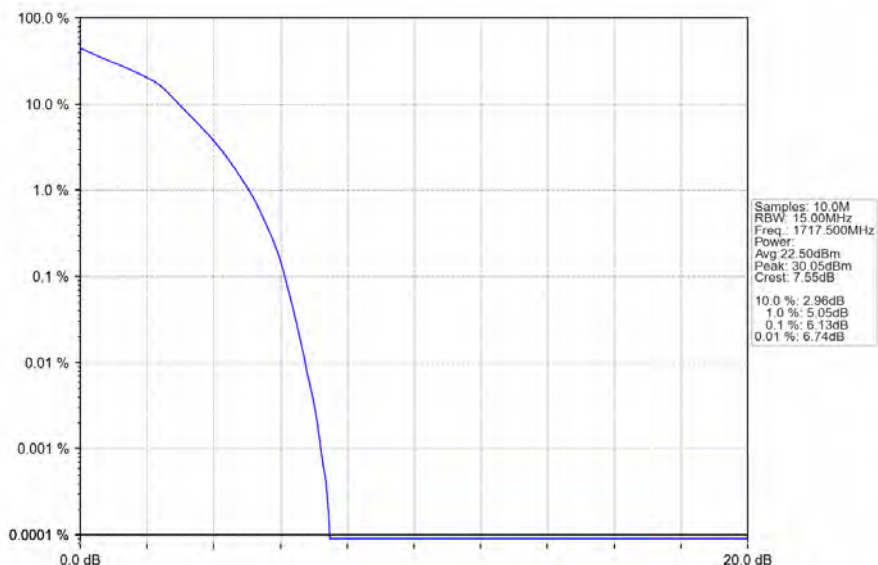
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Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



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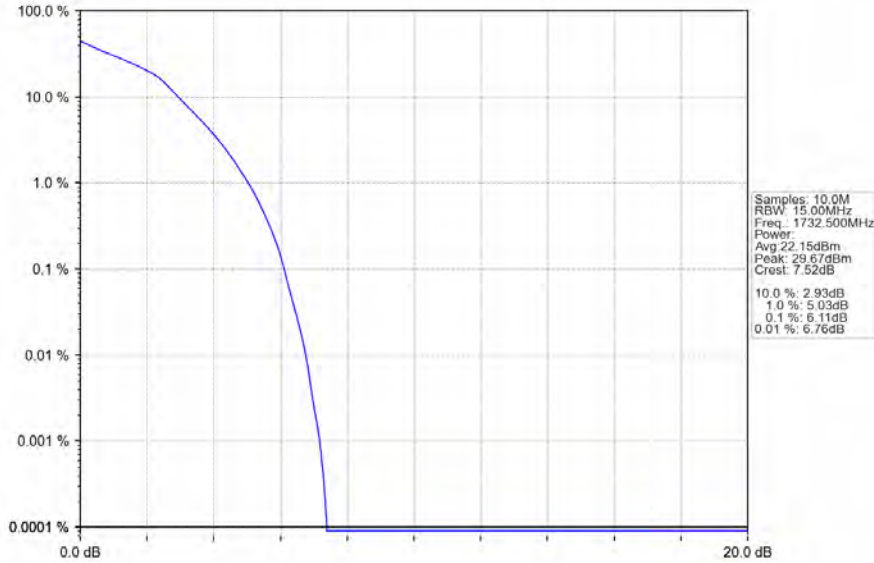
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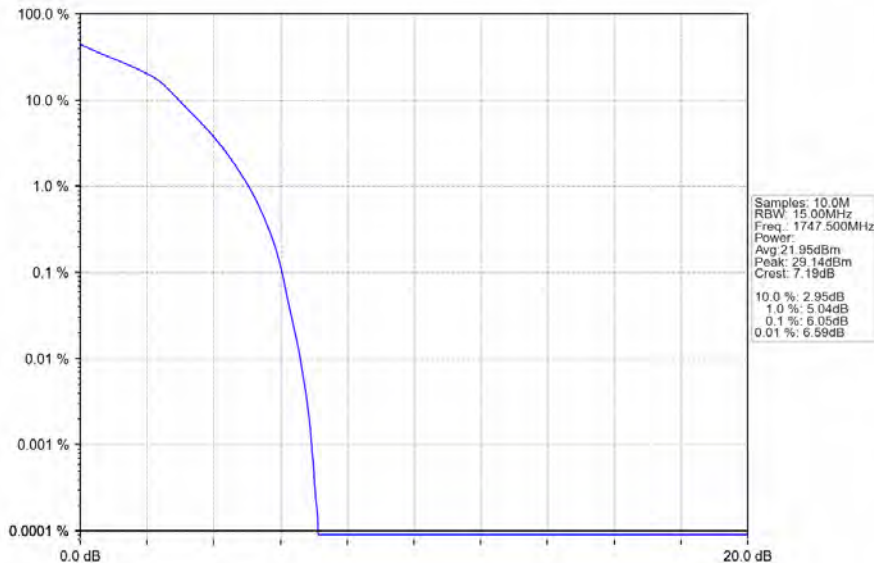
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Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



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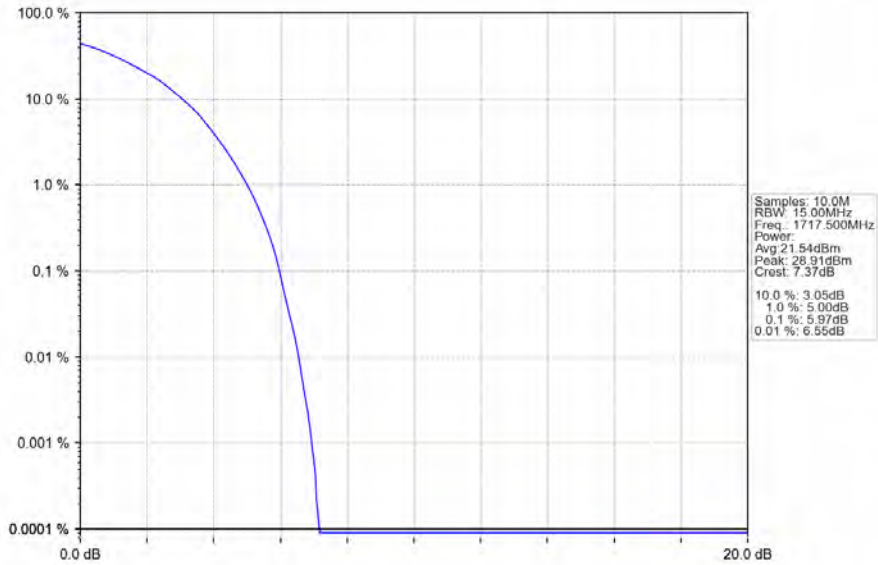
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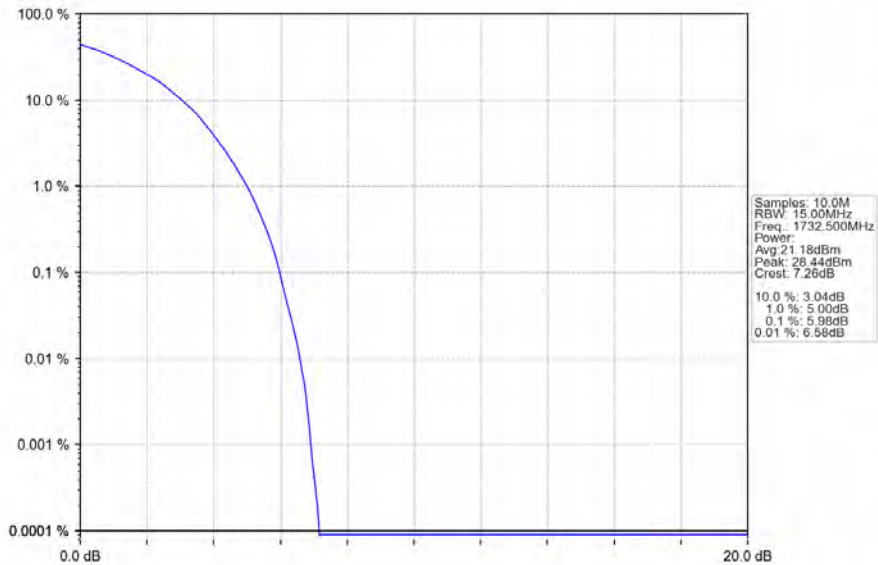
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Band4\_15MHz\_64QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



Band4\_15MHz\_64QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



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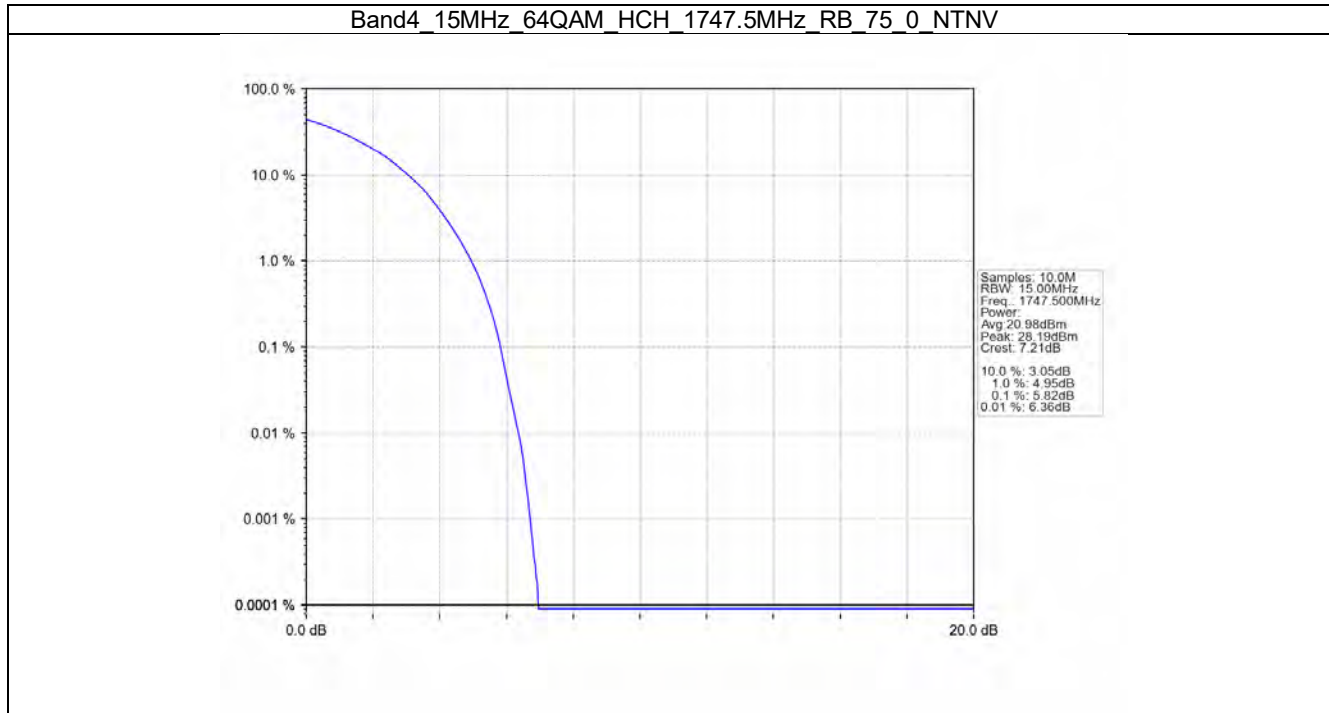


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## 5.6 B4\_20MHz

### 5.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.33	<=13	Pass
	1732.5	100	0	5.28	<=13	Pass
	1745	100	0	5.29	<=13	Pass
16QAM	1720	100	0	6.08	<=13	Pass
	1732.5	100	0	6.03	<=13	Pass
	1745	100	0	6.01	<=13	Pass
64QAM	1720	100	0	5.99	<=13	Pass
	1732.5	100	0	5.93	<=13	Pass
	1745	100	0	5.82	<=13	Pass



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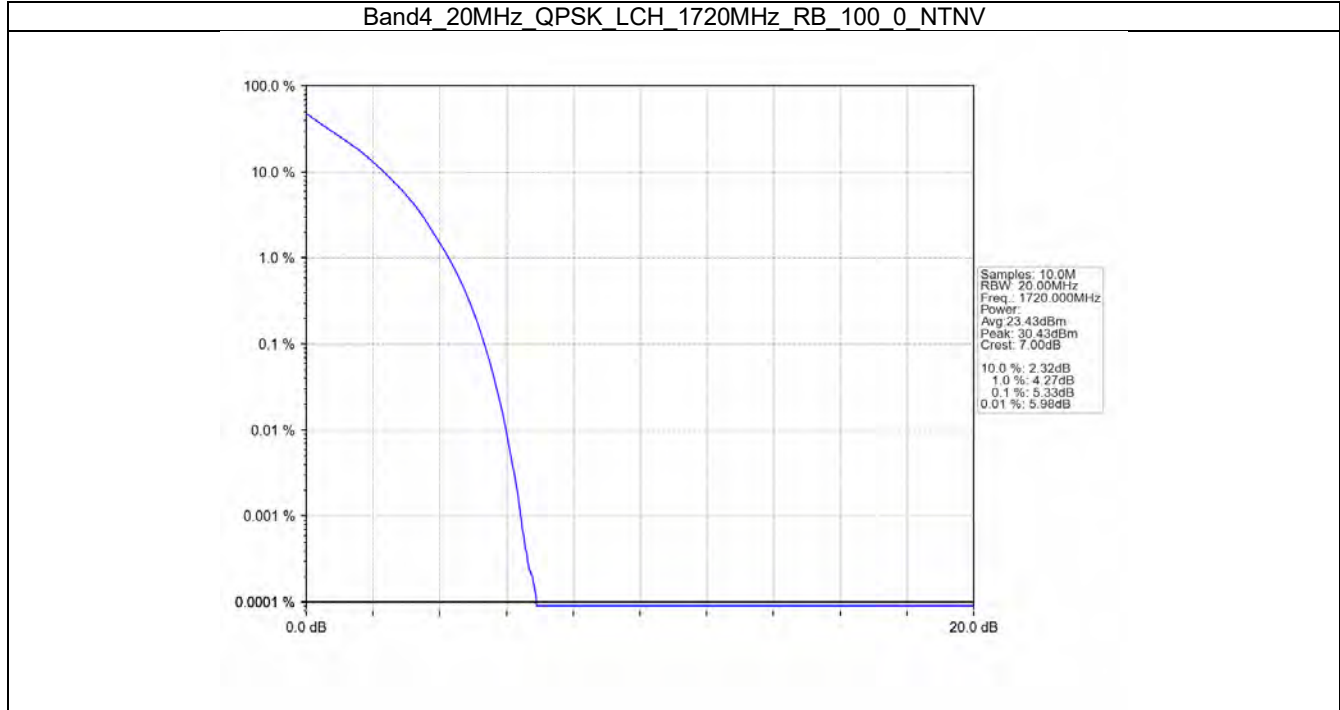
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5.6.2 Test Graph



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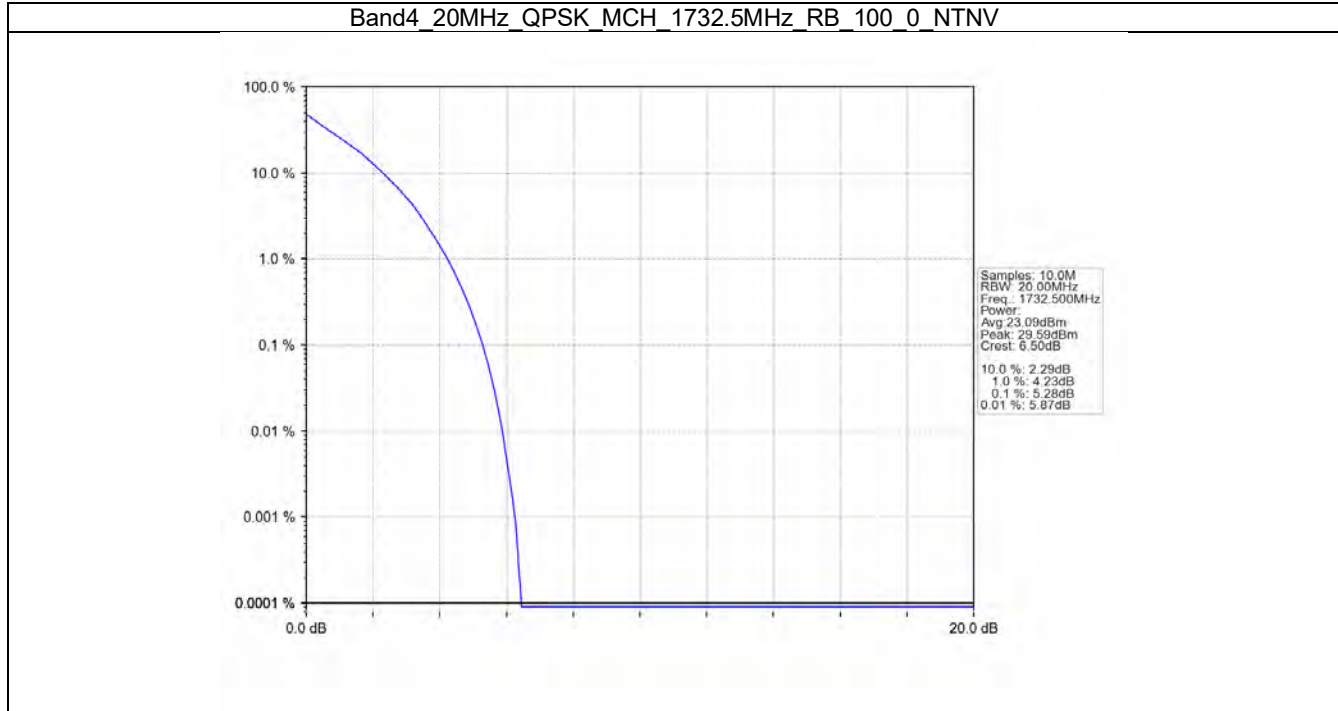


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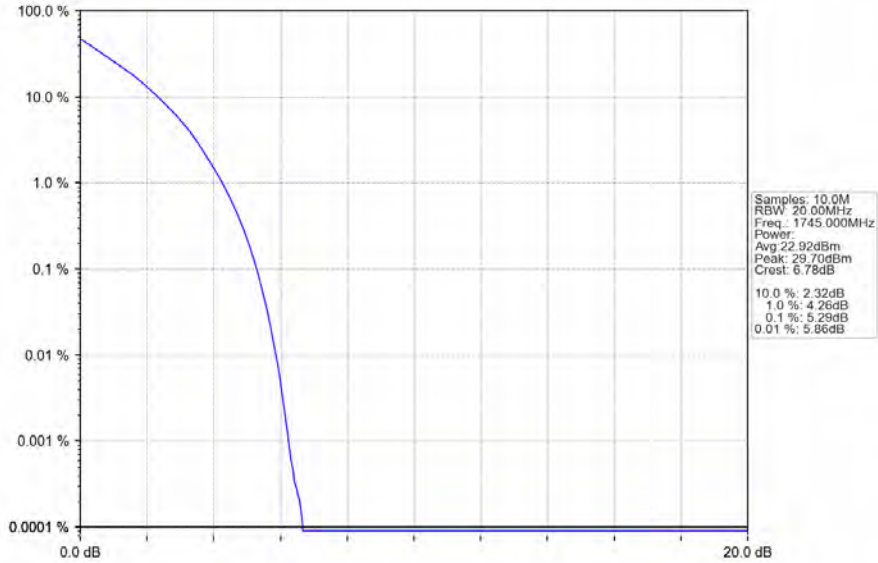
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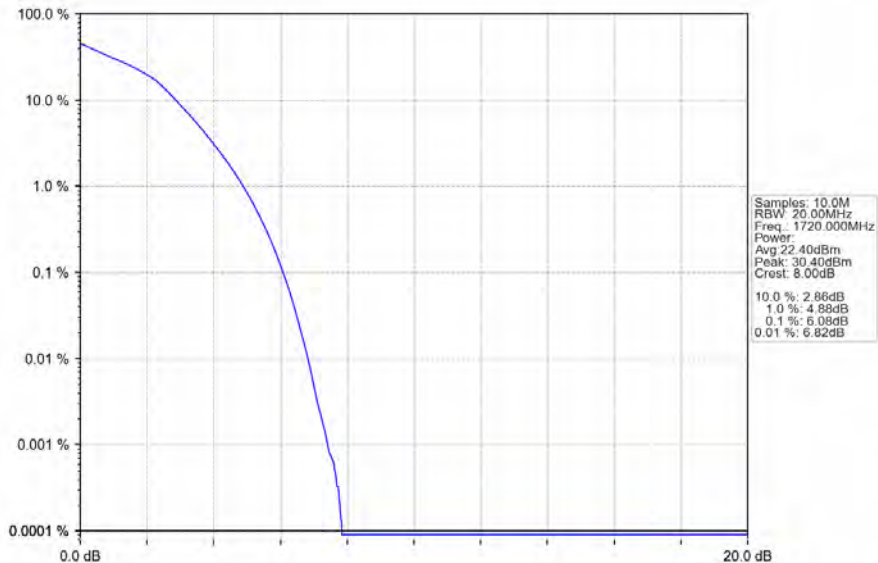
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Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



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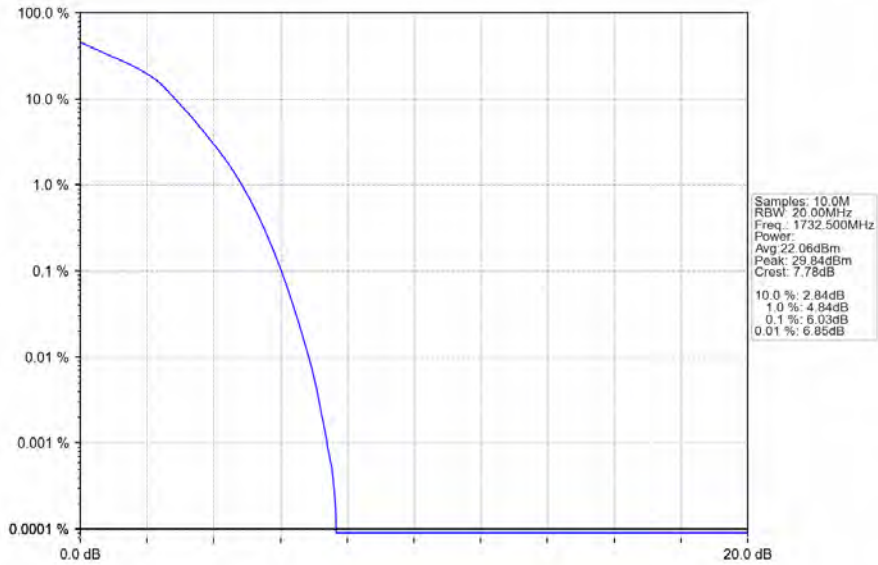




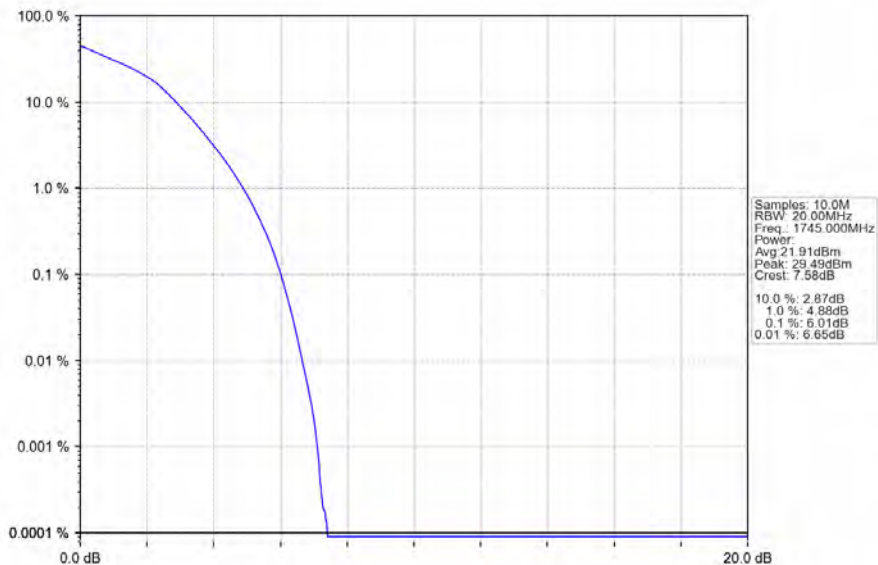
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Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_100\_0\_NTNV



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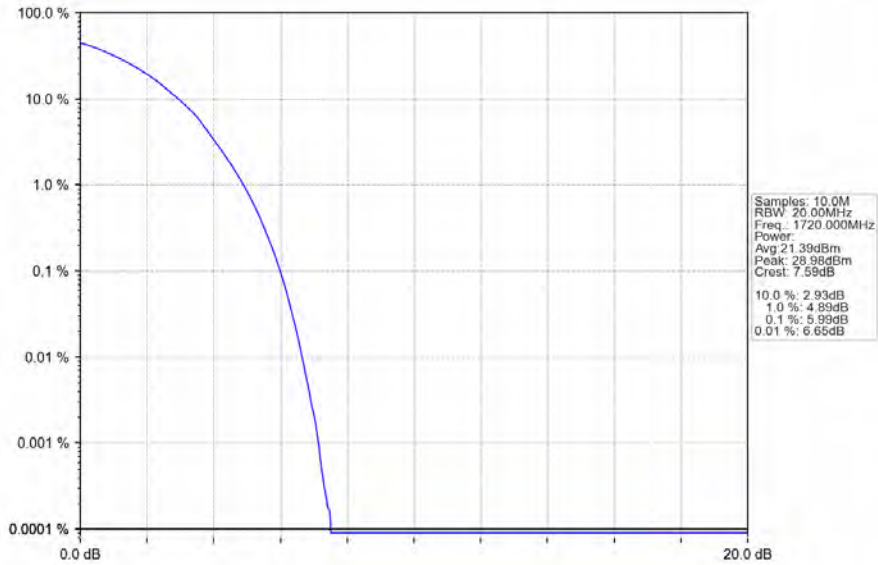
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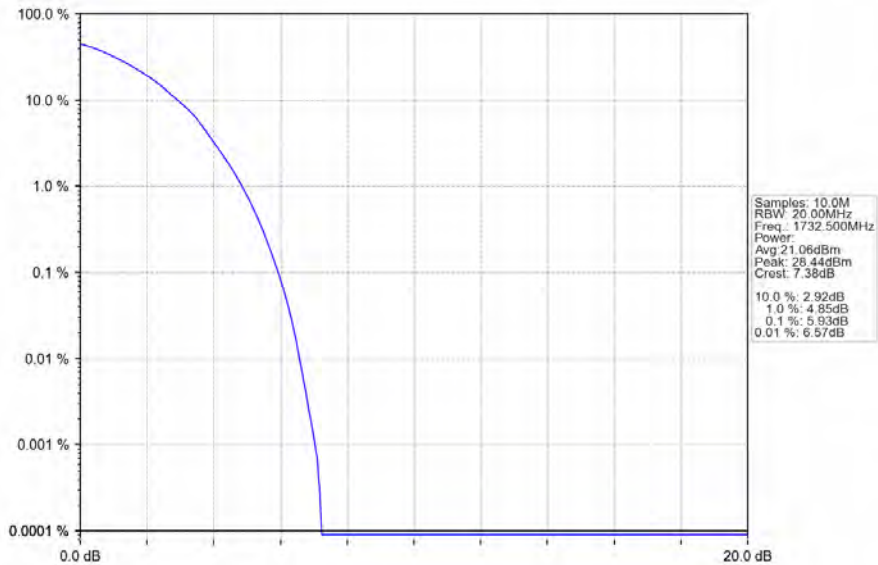
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Band4\_20MHz\_64QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



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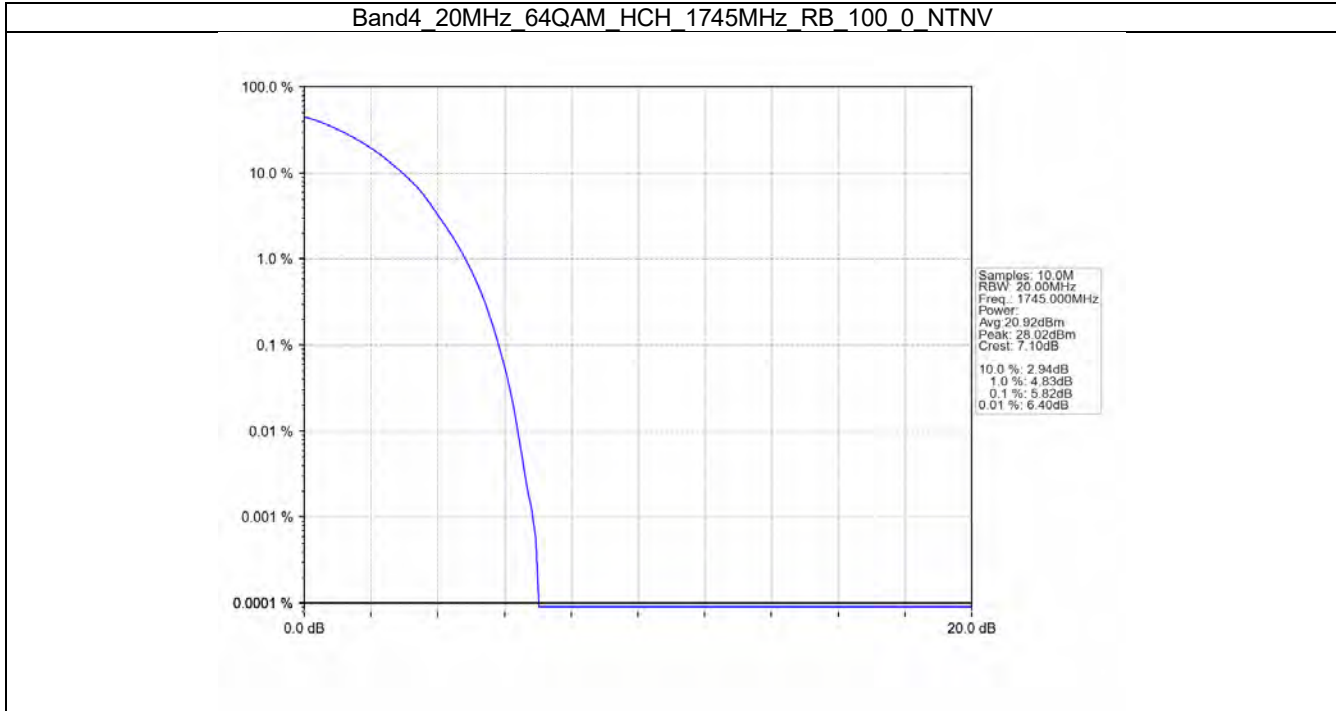
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## 6. Spurious Emission & Band Edge

### 6.1 B4\_1.4MHz

#### 6.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1754.3	1	0	Refer To Test Graph	
			5		Refer To Test Graph	
		6	0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1754.3	1	0	Refer To Test Graph	
			5		Refer To Test Graph	
		6	0	Refer To Test Graph		Pass
64QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1754.3	1	0	Refer To Test Graph	
			5		Refer To Test Graph	
		6	0	Refer To Test Graph		Pass



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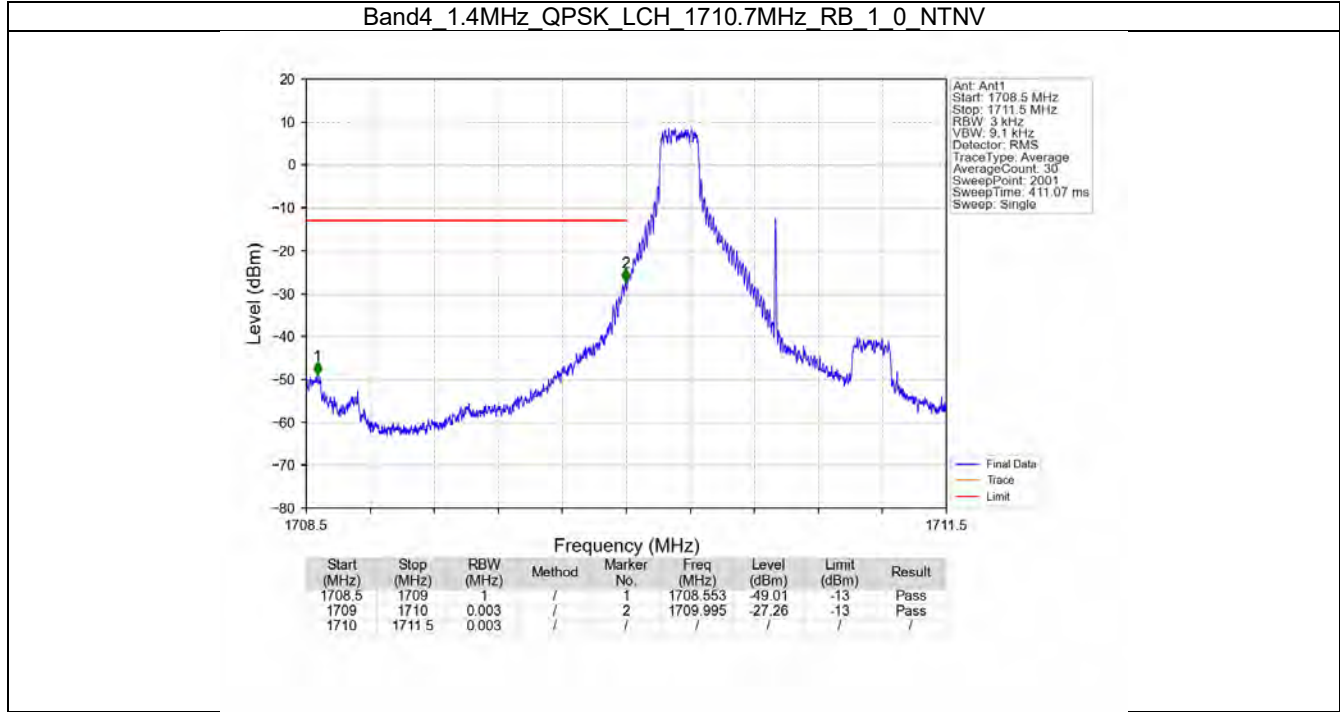




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6.1.2 Test Graph



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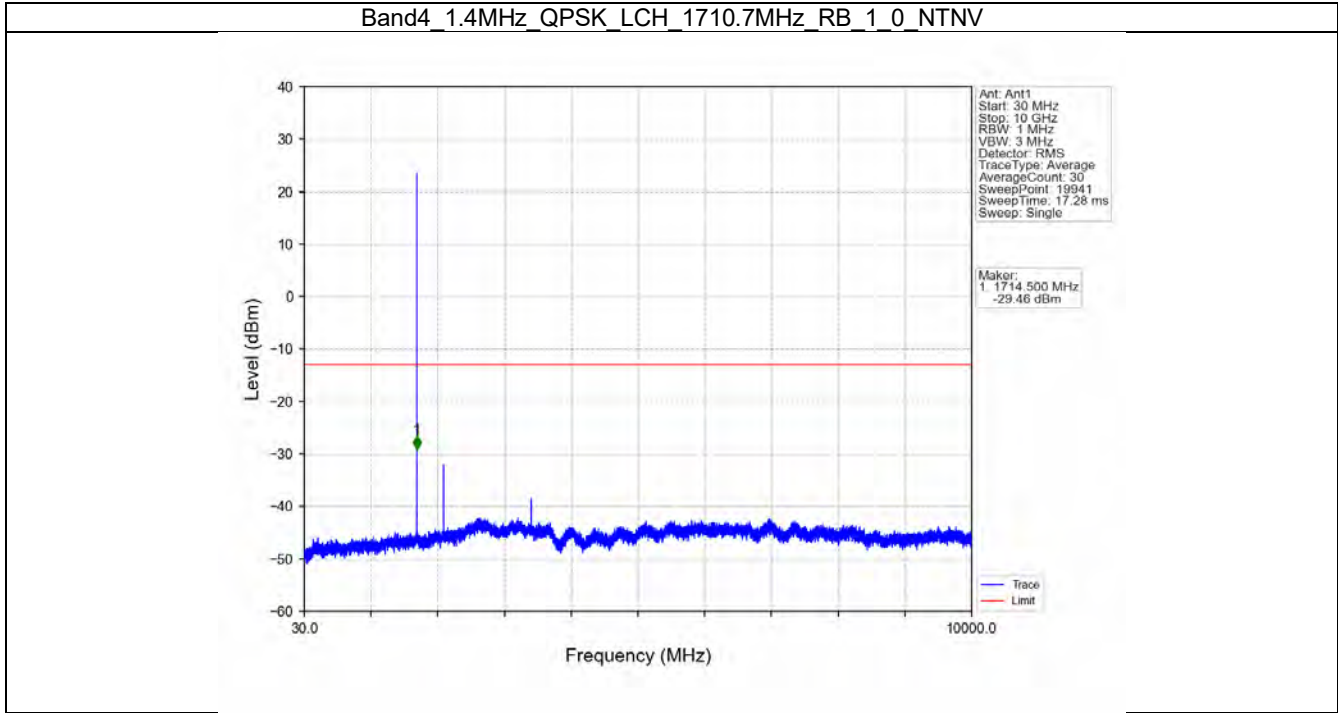
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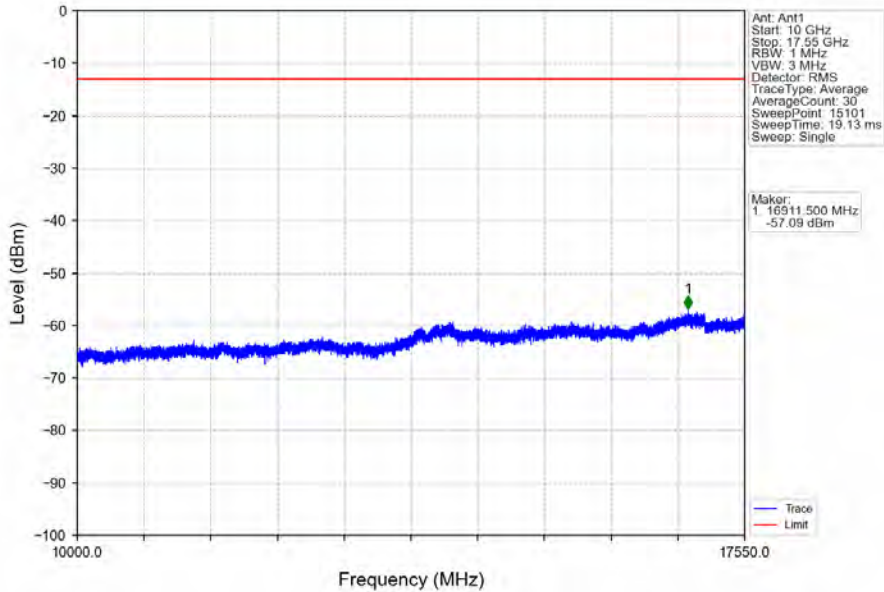
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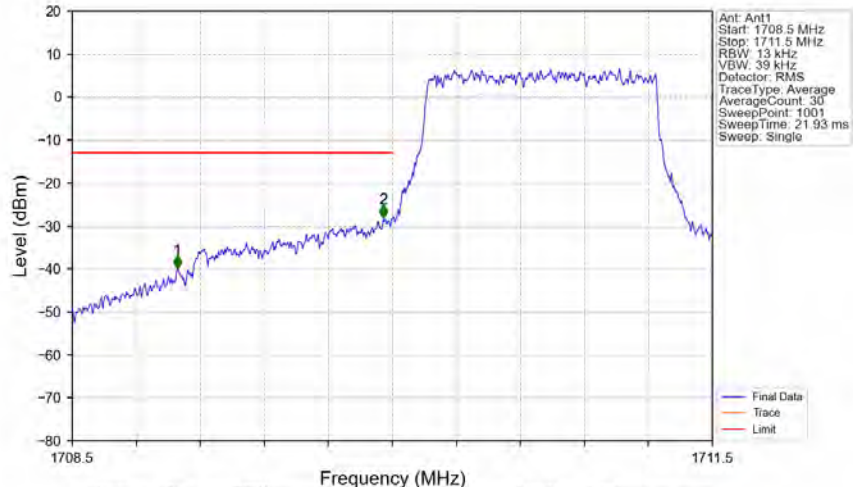
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Band4\_1.4MHz\_QPSK\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



Band4\_1.4MHz\_QPSK\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.992	-40.02	-13	Pass
1709	1710	0.013	/	2	1709.958	-28.19	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/



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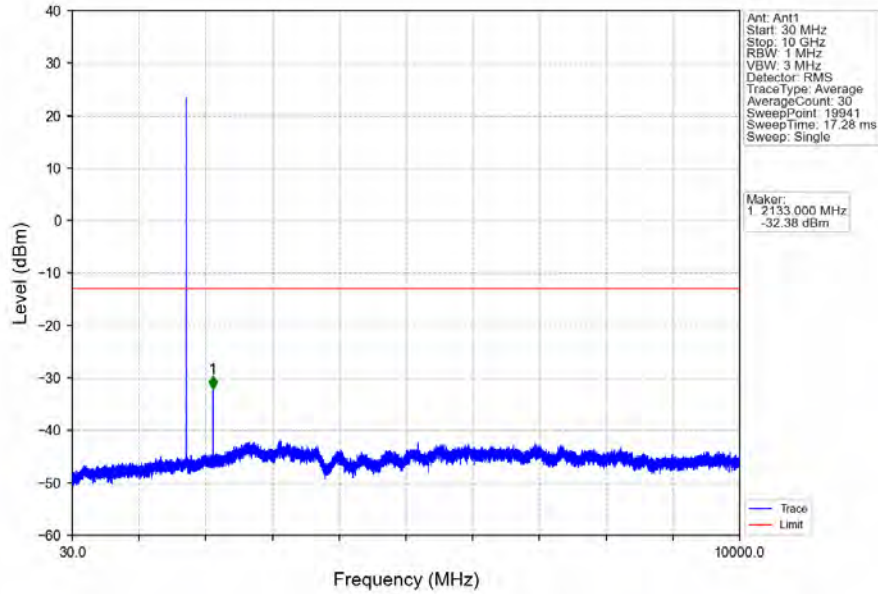




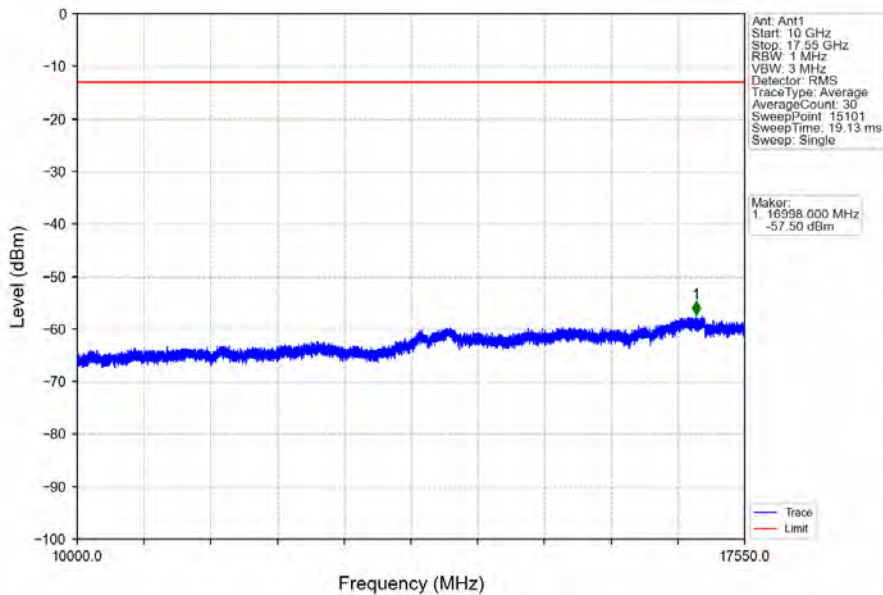
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Band4\_1.4MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTV



Band4\_1.4MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTV



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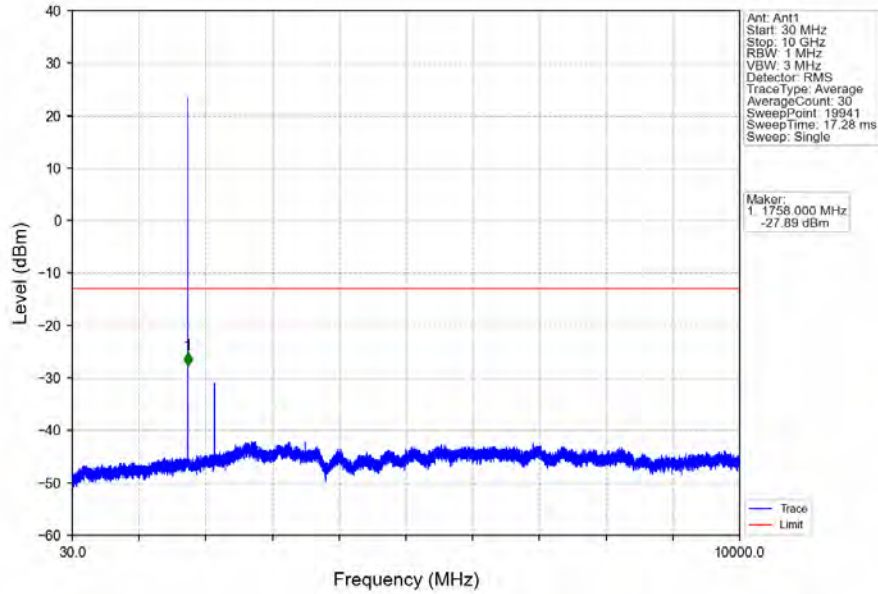




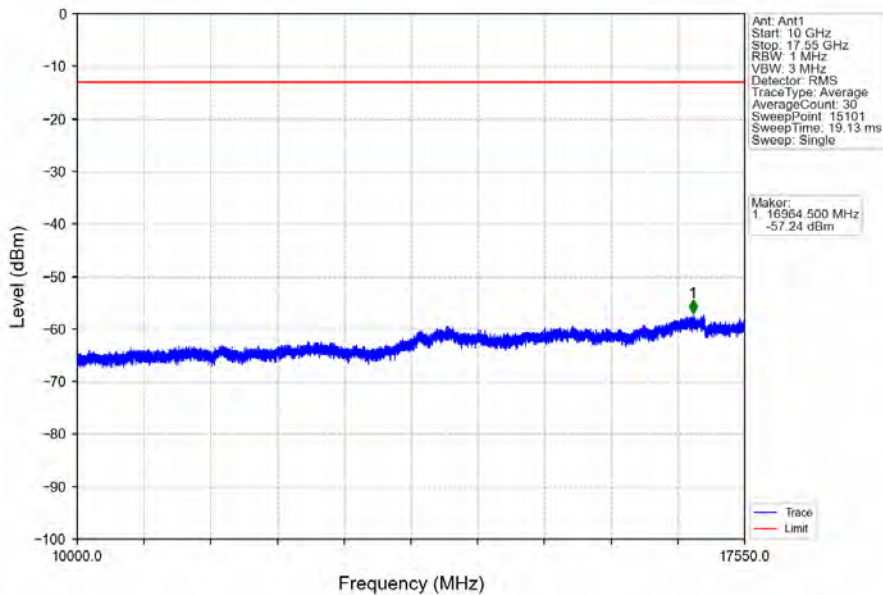
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Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_1\_0\_NTNV



Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_1\_0\_NTNV



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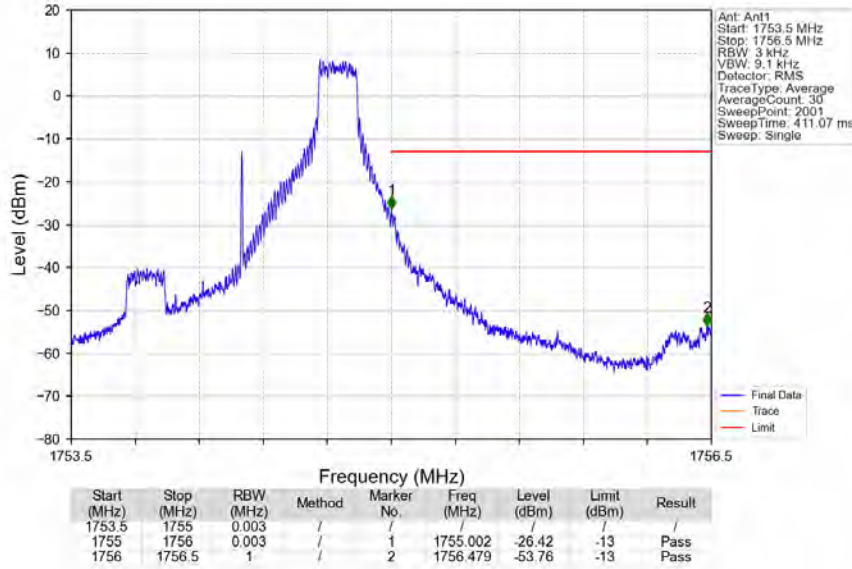
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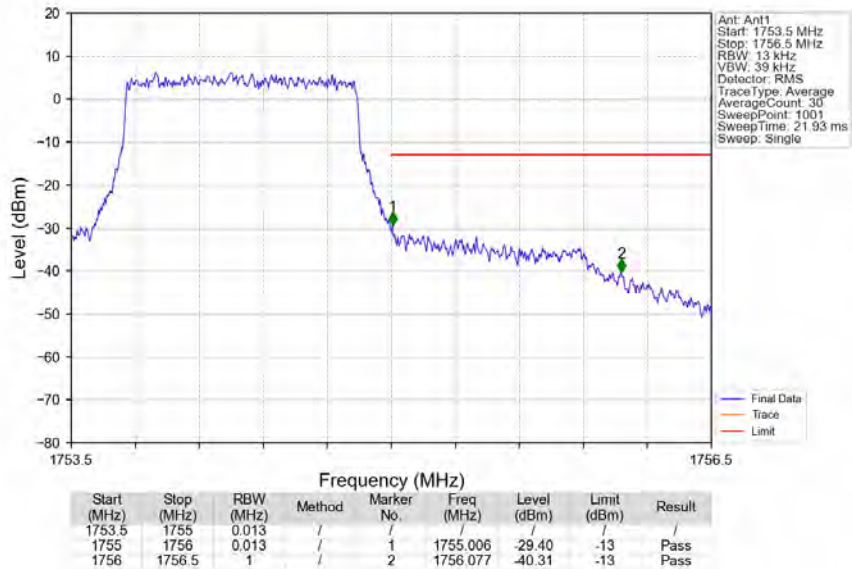
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Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_1\_5\_NTNV



Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



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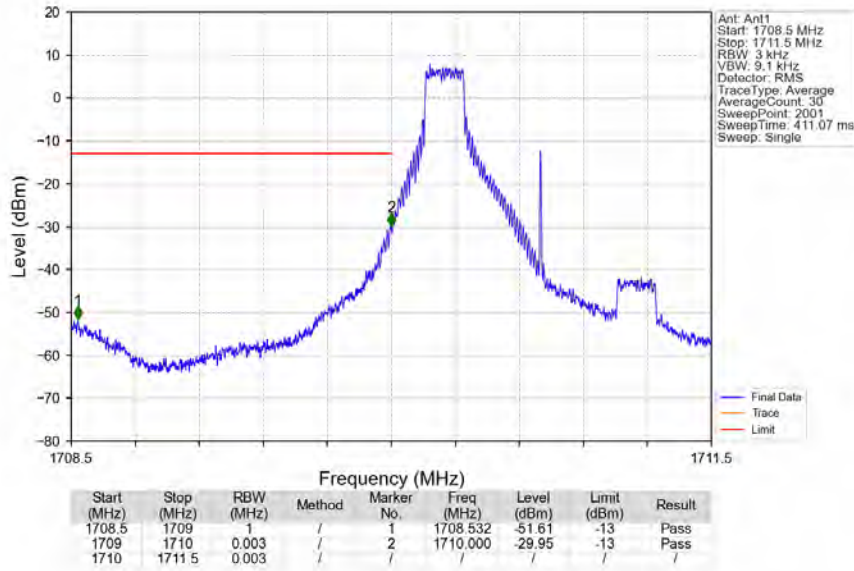
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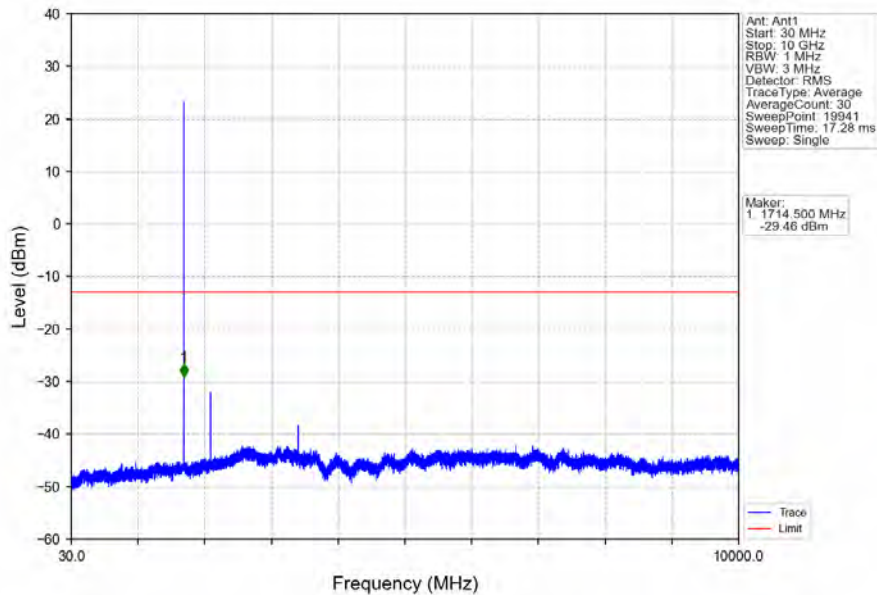
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Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



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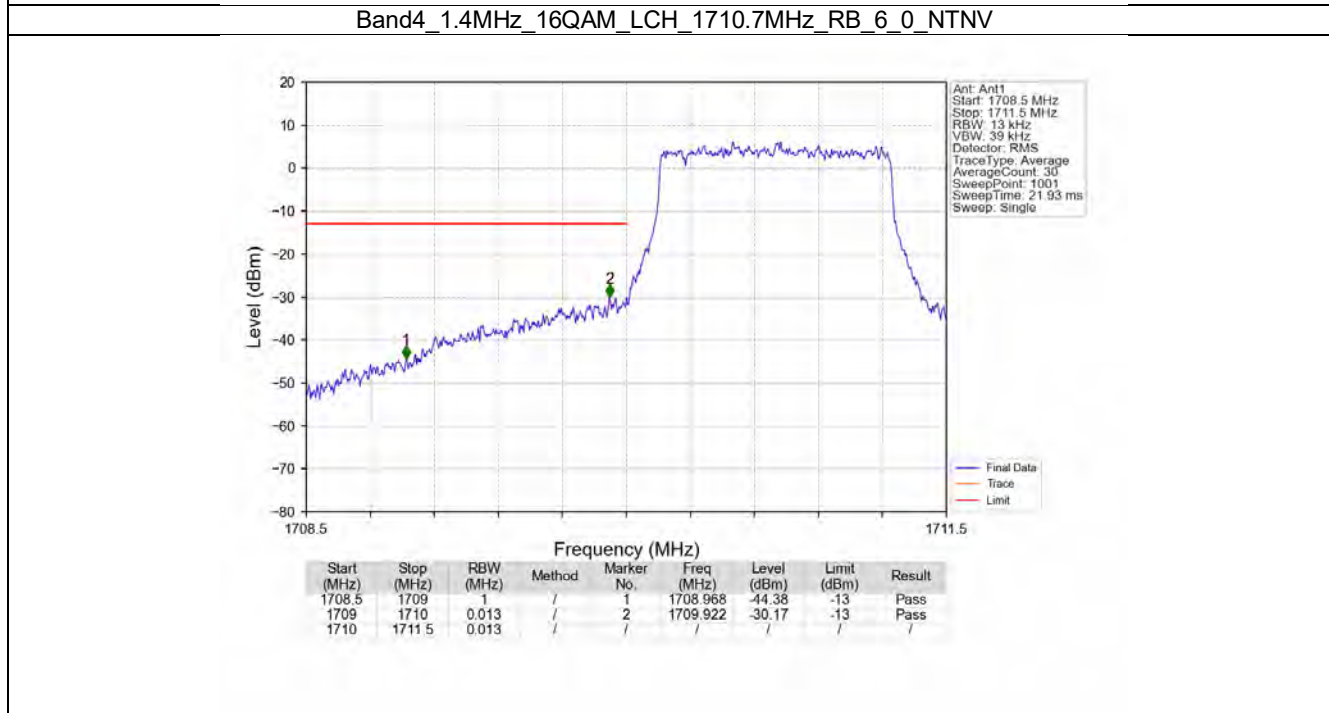
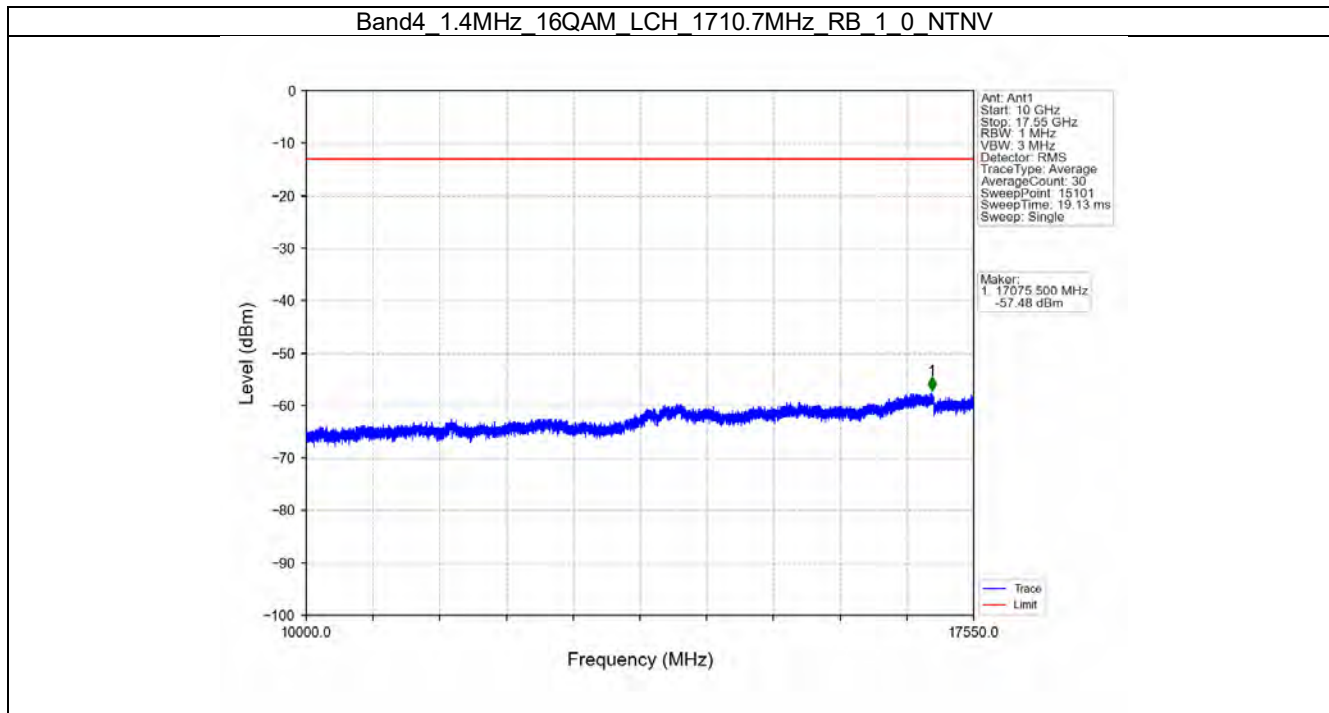
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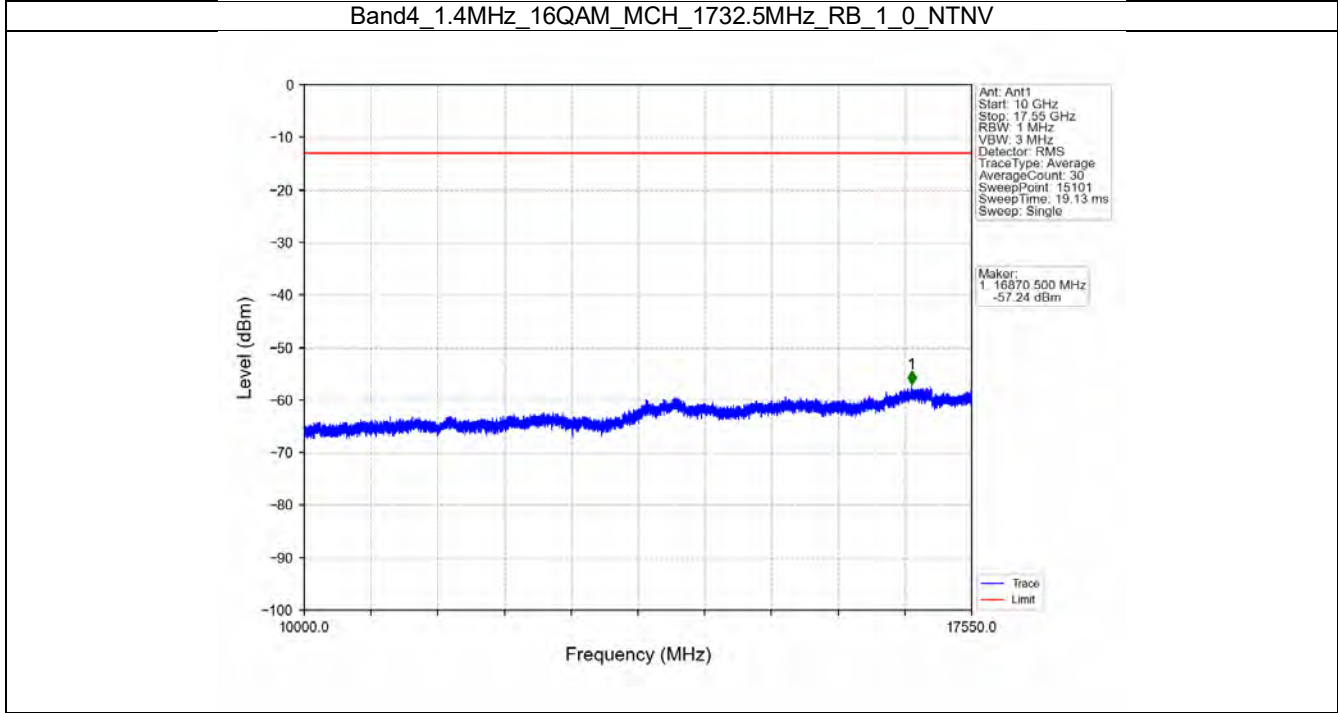
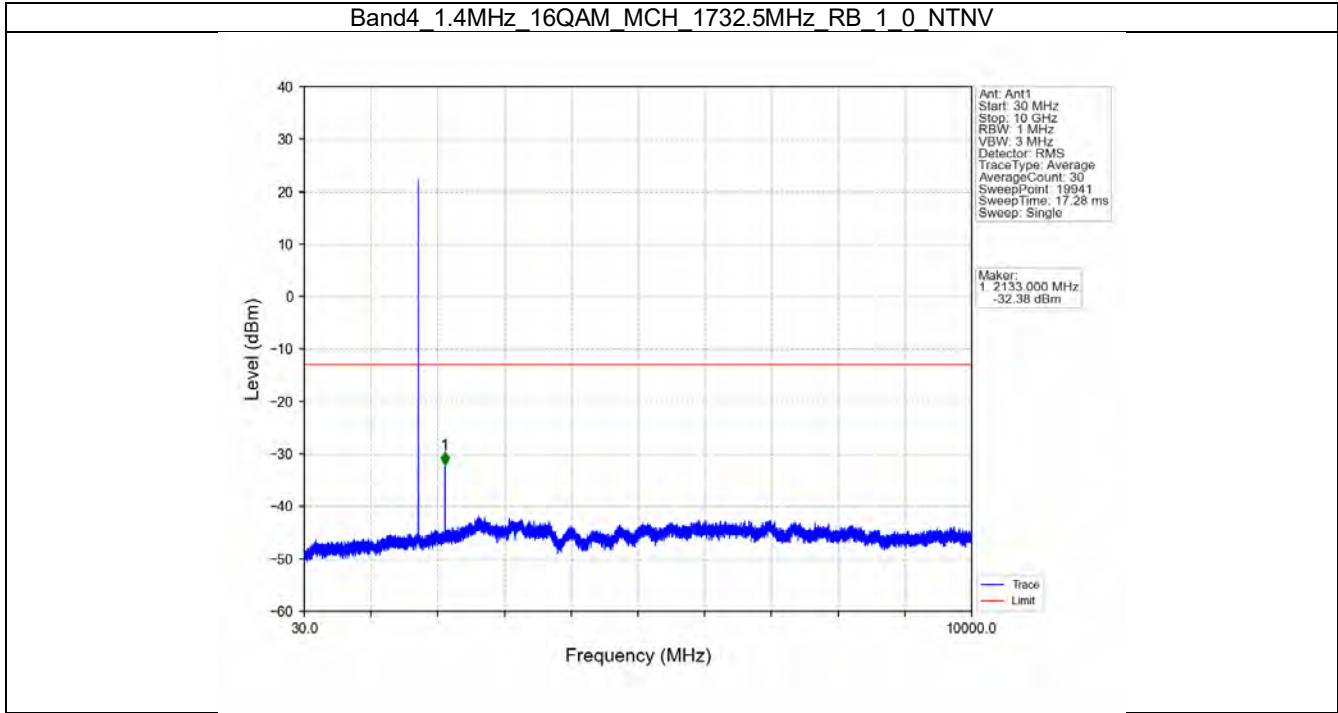
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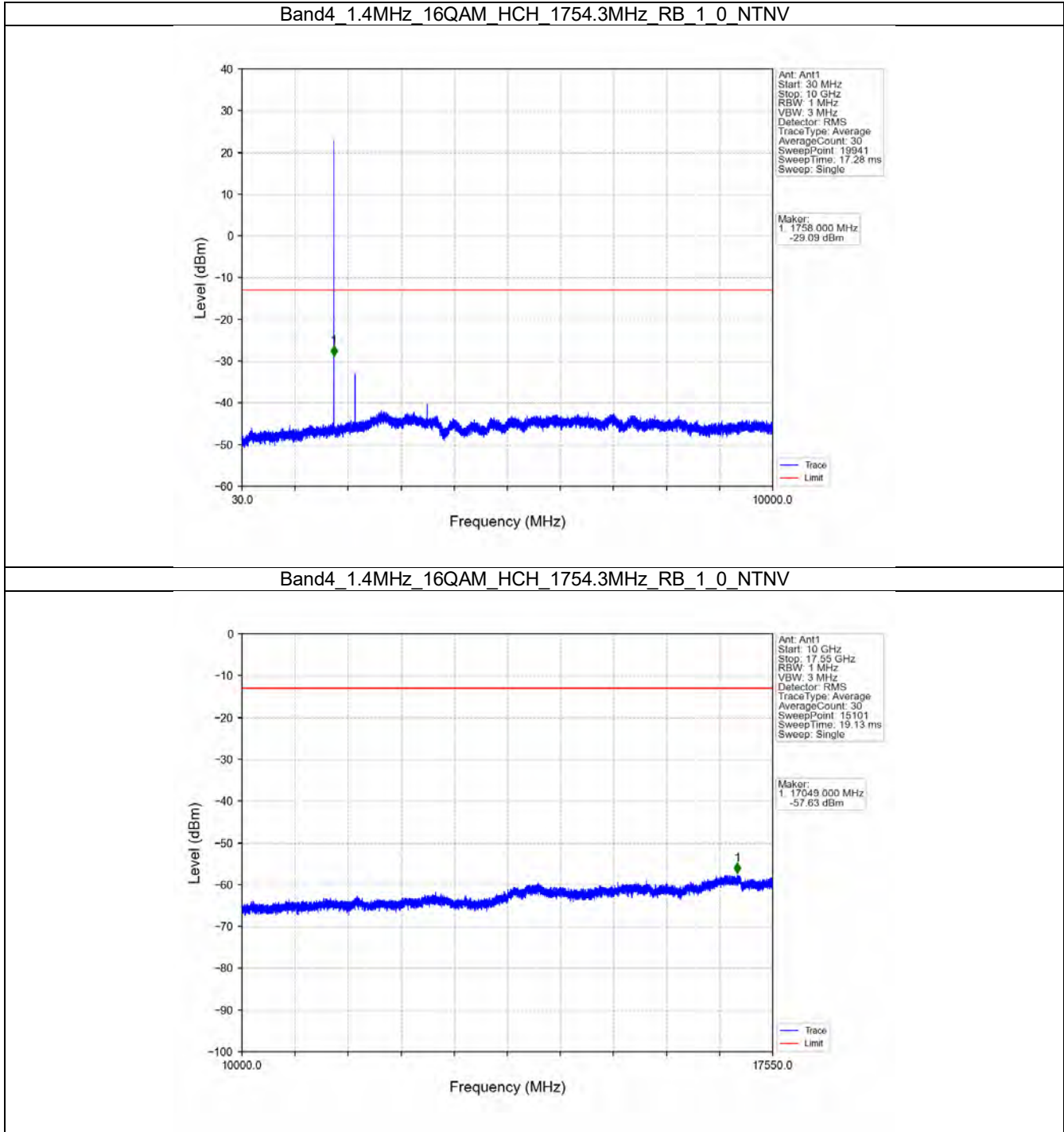
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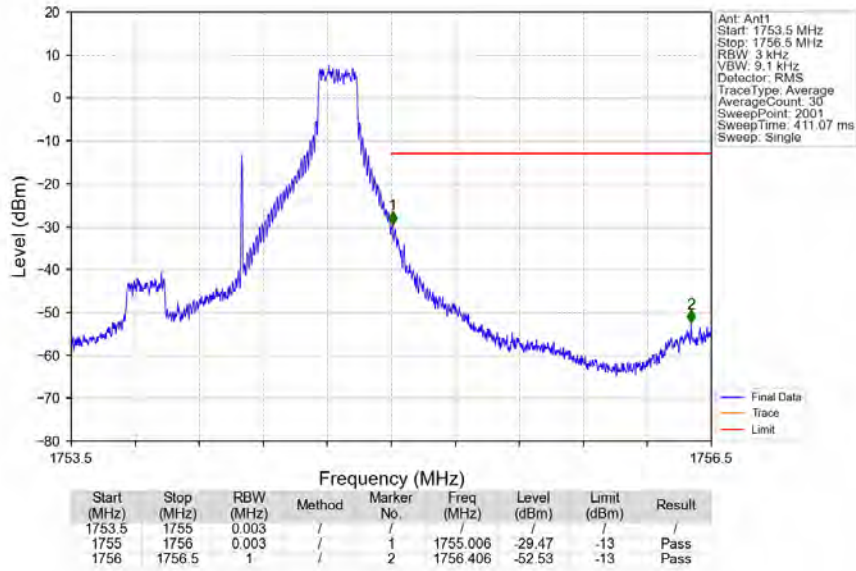
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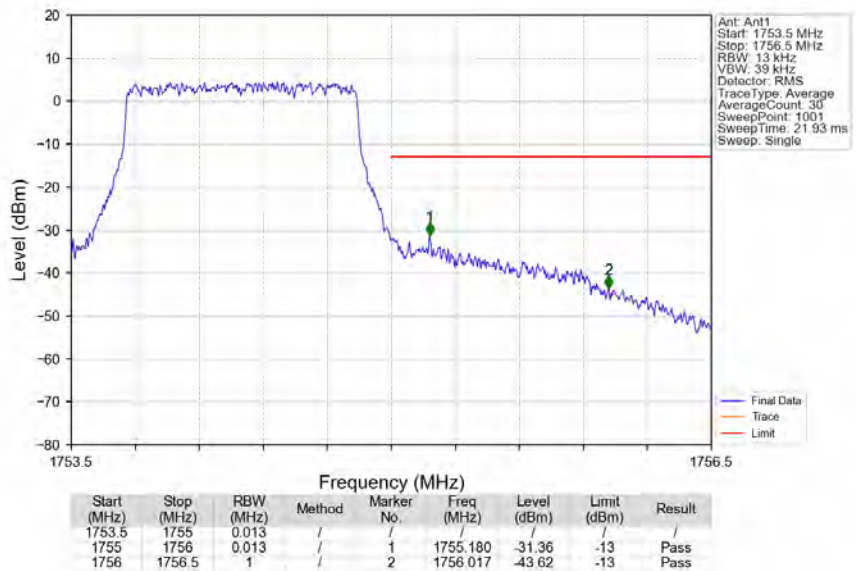
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Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_1\_5\_NTNV



Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



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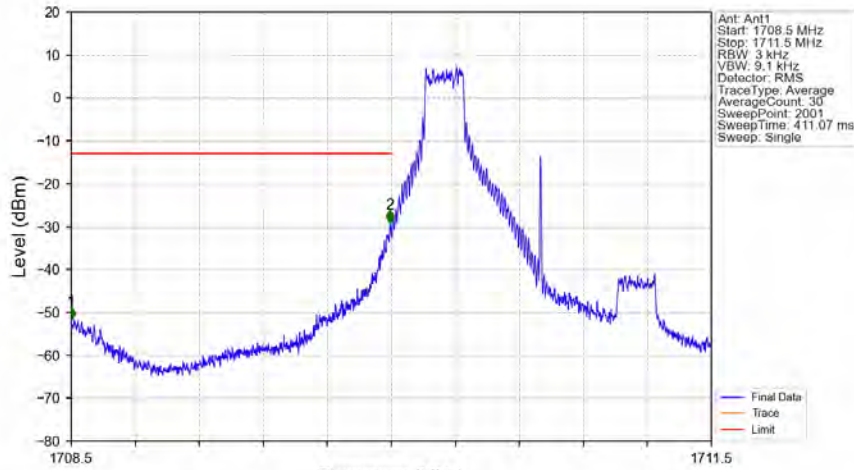




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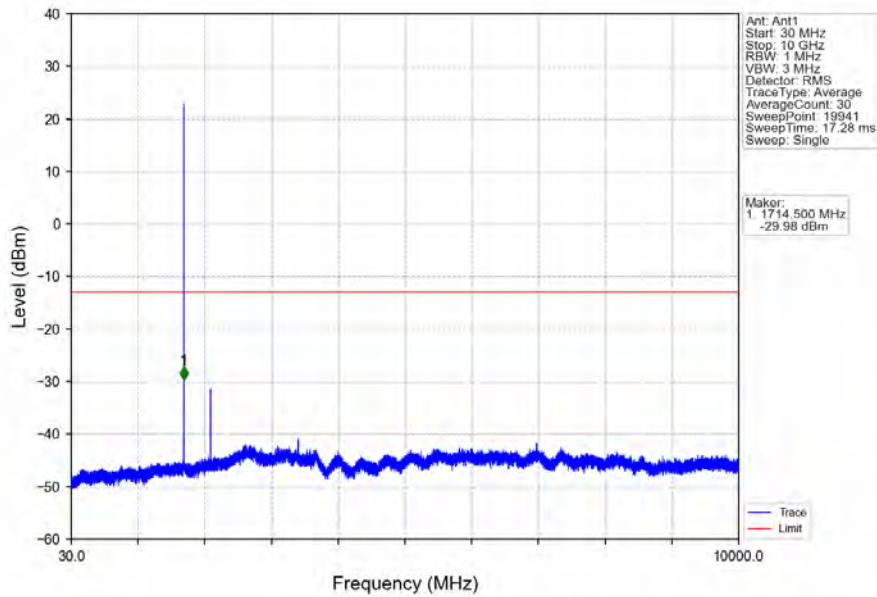
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Band4\_1.4MHz\_64QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.500	-51.78	-13	Pass
1709	1710	0.003	/	2	1709.994	-29.22	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

Band4\_1.4MHz\_64QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



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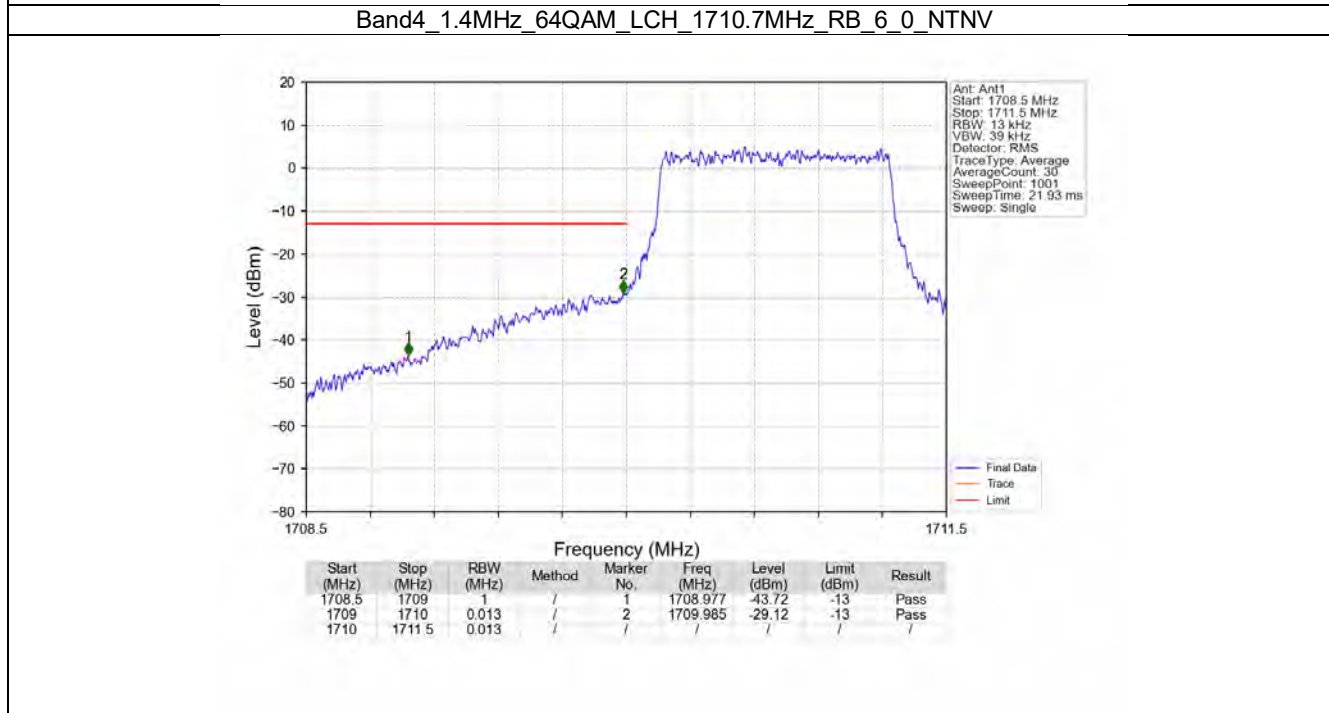
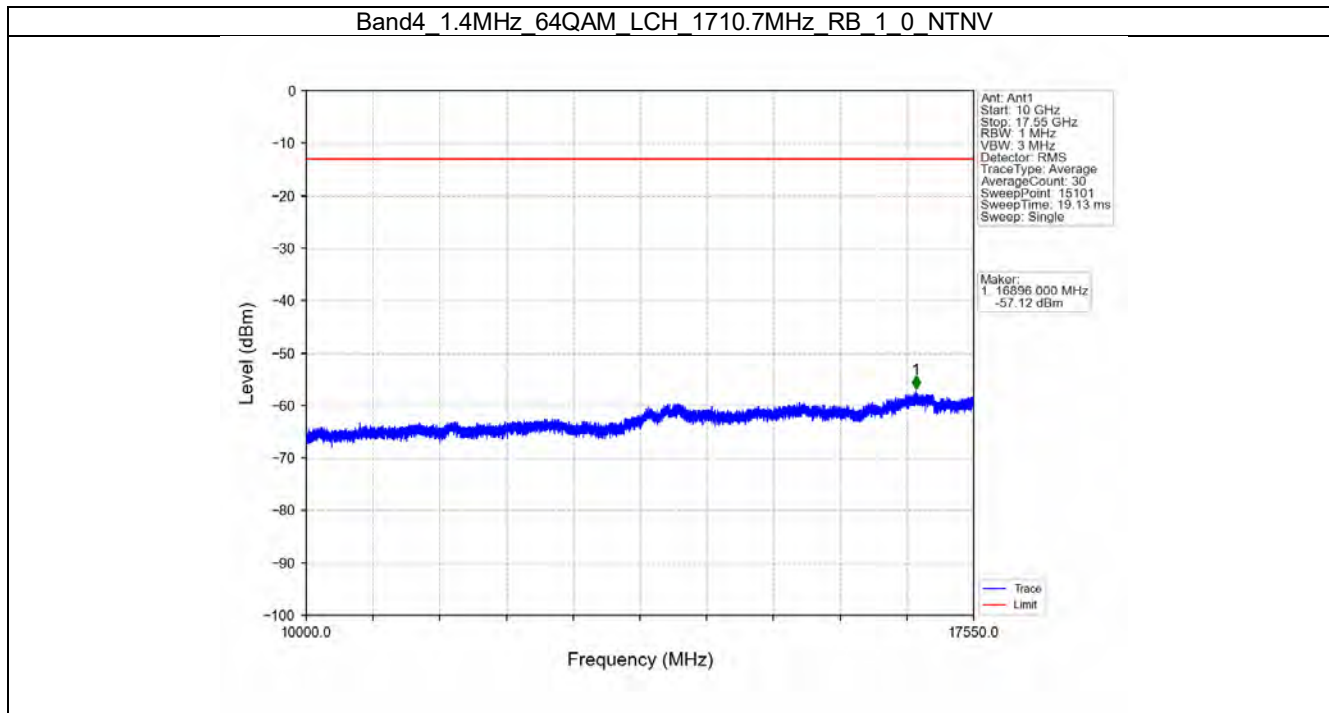
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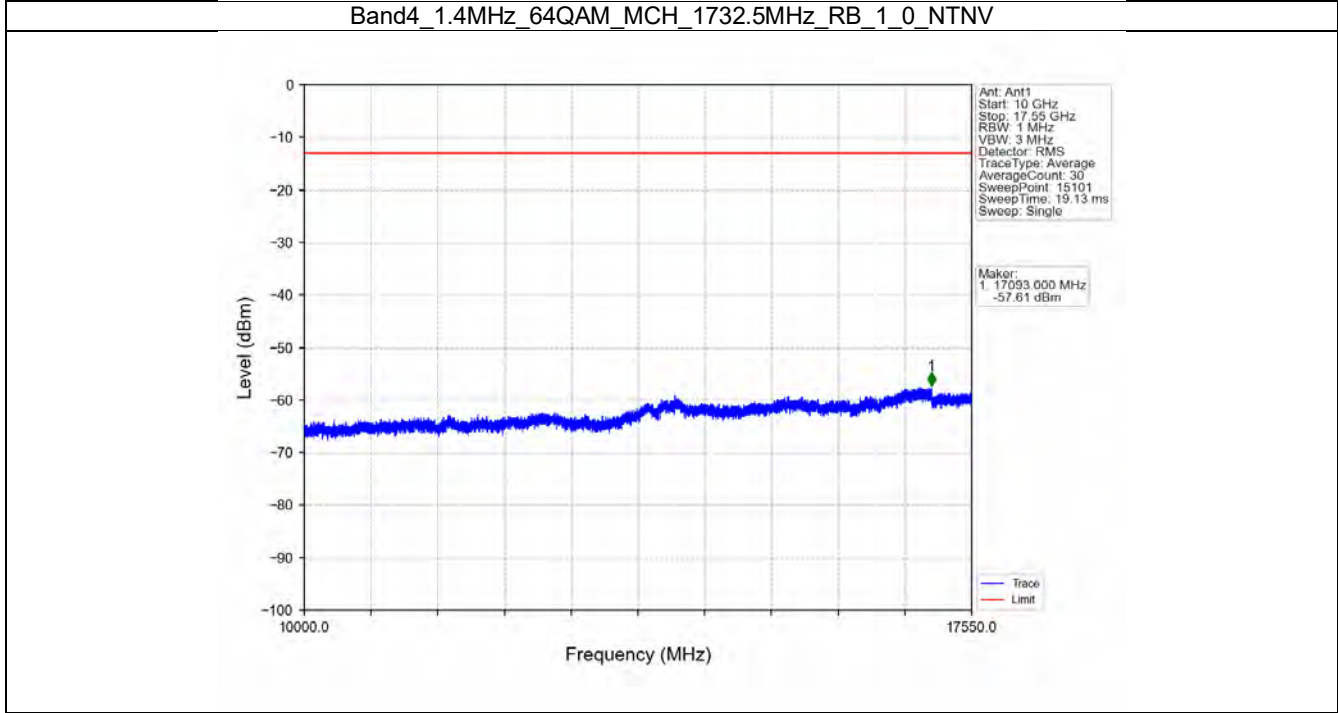
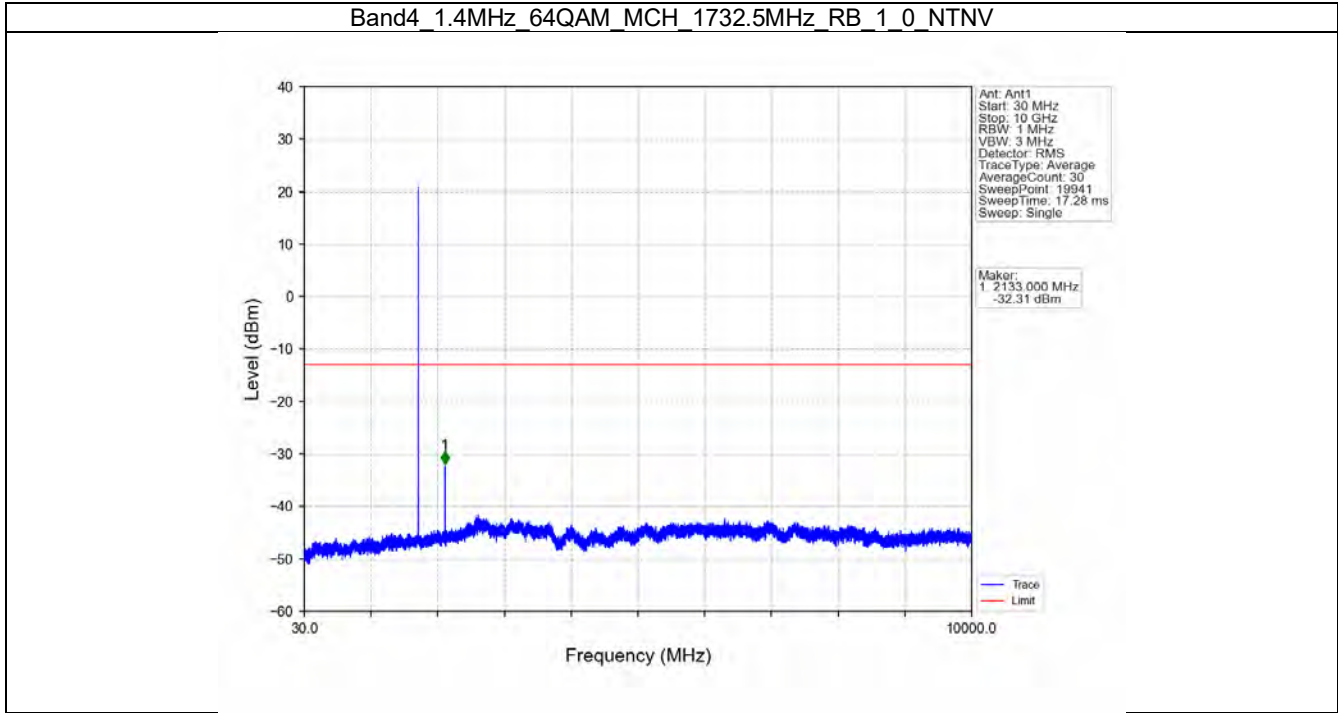
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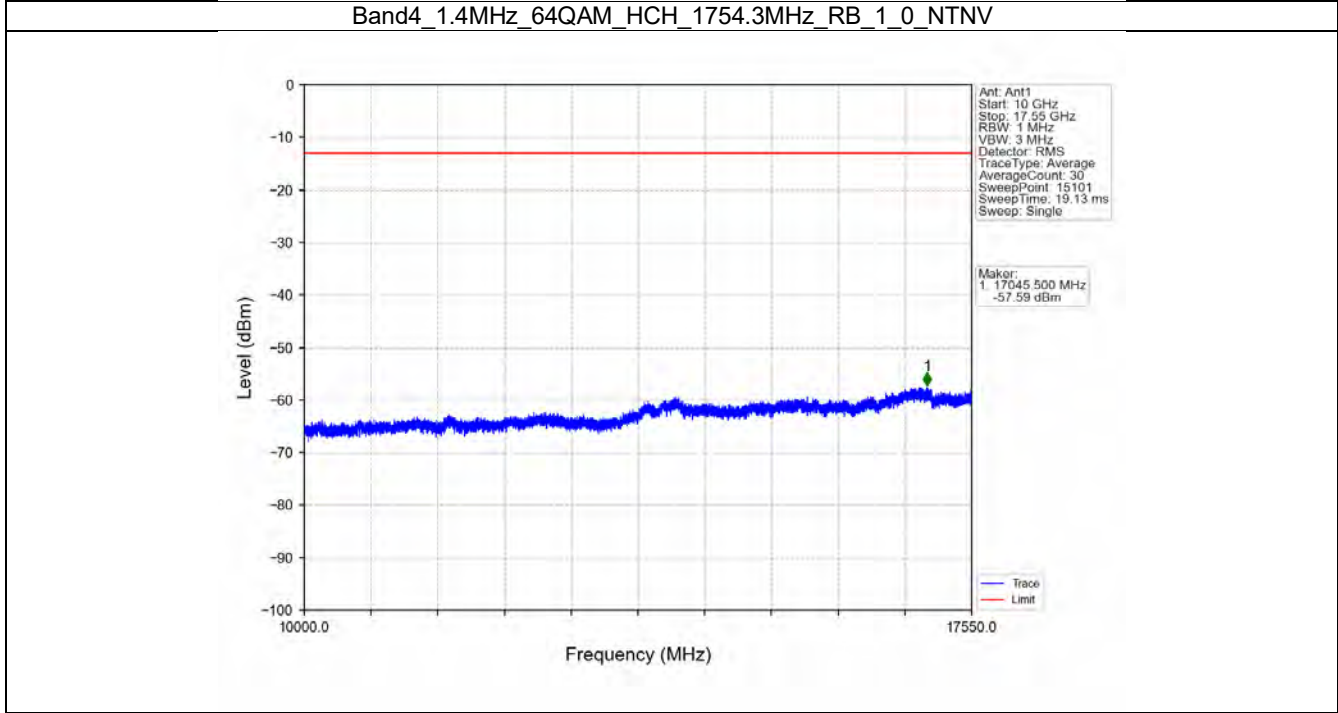
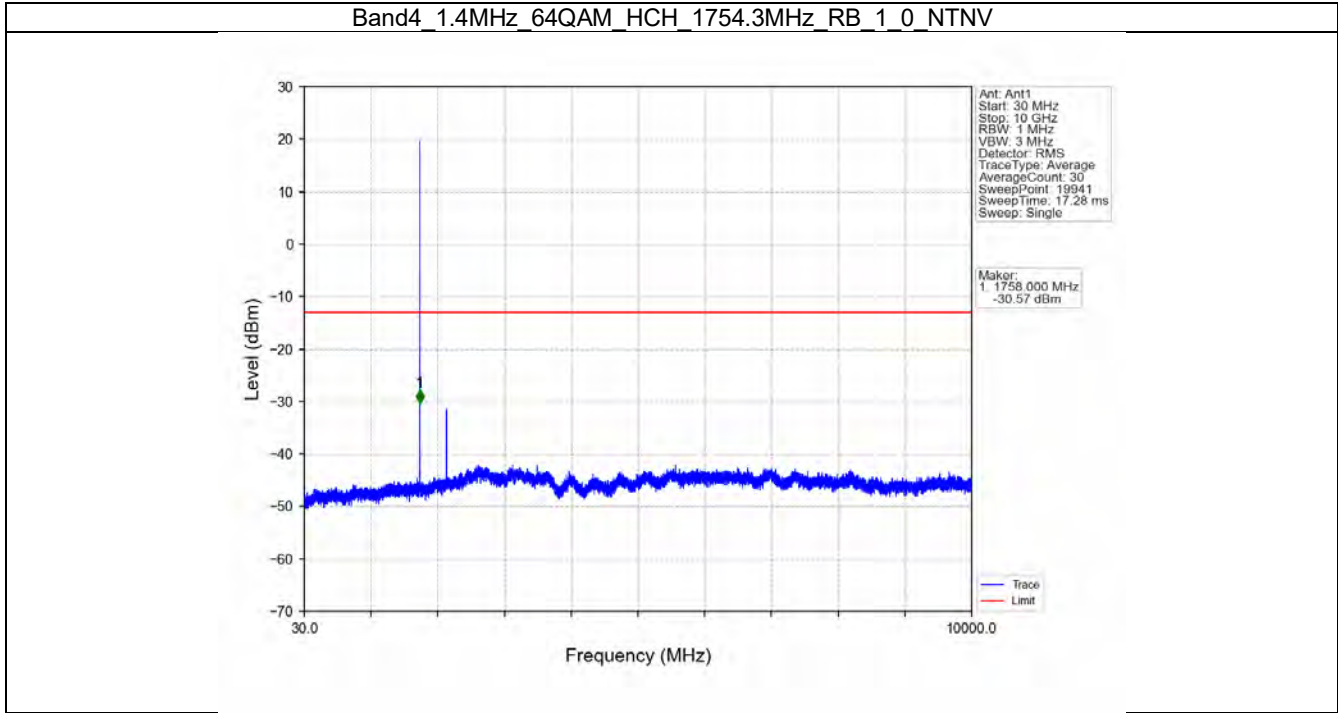
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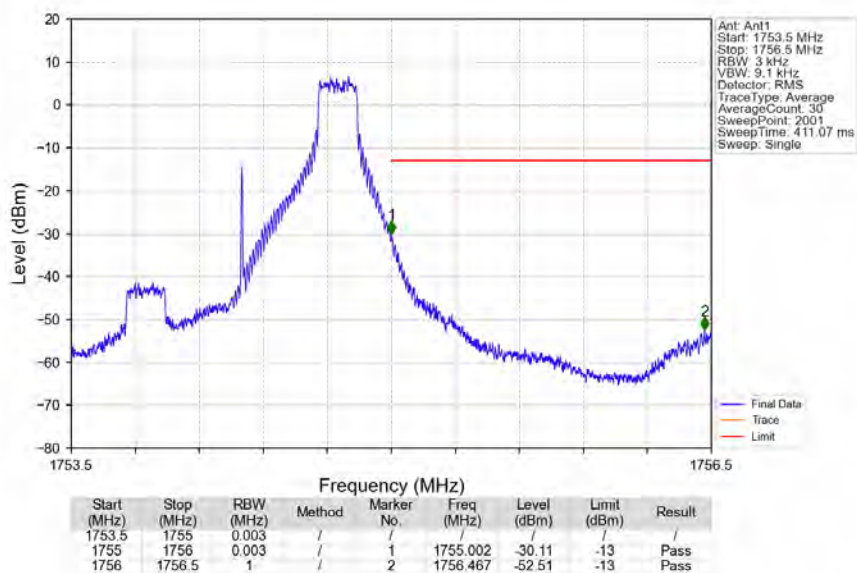
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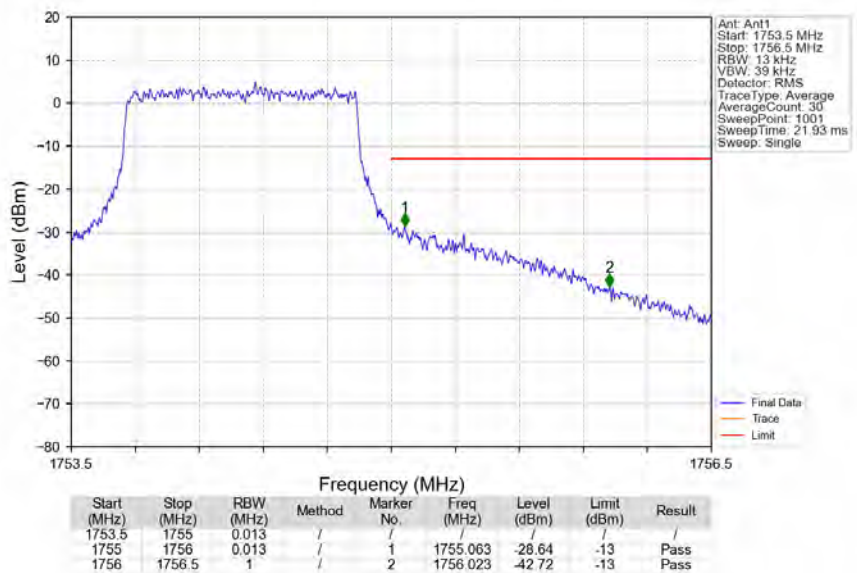
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Band4\_1.4MHz\_64QAM\_HCH\_1754.3MHz\_RB\_1\_5\_NTNV



Band4\_1.4MHz\_64QAM\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



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## 6.2 B4\_3MHz

### 6.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph	Pass	
		15	0	Refer To Test Graph	Pass	
	1732.5	1	0	Refer To Test Graph	Pass	
		1753.5	1	0	Refer To Test Graph	Pass
			14	Refer To Test Graph	Pass	
		15	0	Refer To Test Graph	Pass	
16QAM	1711.5	1	0	Refer To Test Graph	Pass	
		15	0	Refer To Test Graph	Pass	
	1732.5	1	0	Refer To Test Graph	Pass	
		1753.5	1	0	Refer To Test Graph	Pass
			14	Refer To Test Graph	Pass	
		15	0	Refer To Test Graph	Pass	
64QAM	1711.5	1	0	Refer To Test Graph	Pass	
		15	0	Refer To Test Graph	Pass	
	1732.5	1	0	Refer To Test Graph	Pass	
		1753.5	1	0	Refer To Test Graph	Pass
			14	Refer To Test Graph	Pass	
		15	0	Refer To Test Graph	Pass	



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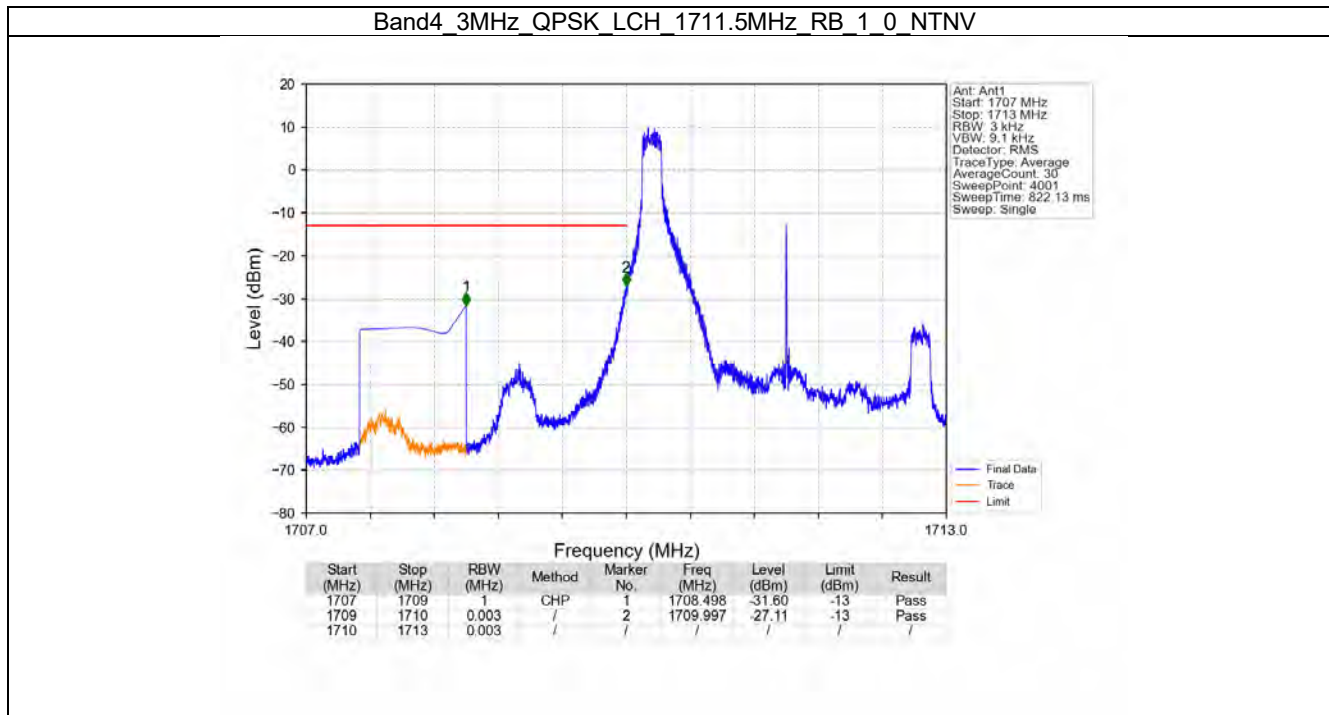
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6.2.2 Test Graph



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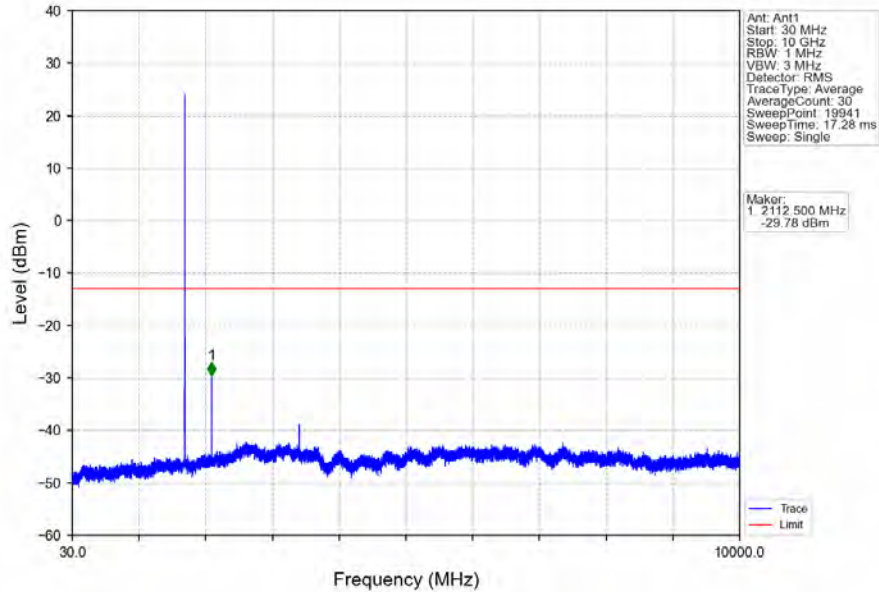
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Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



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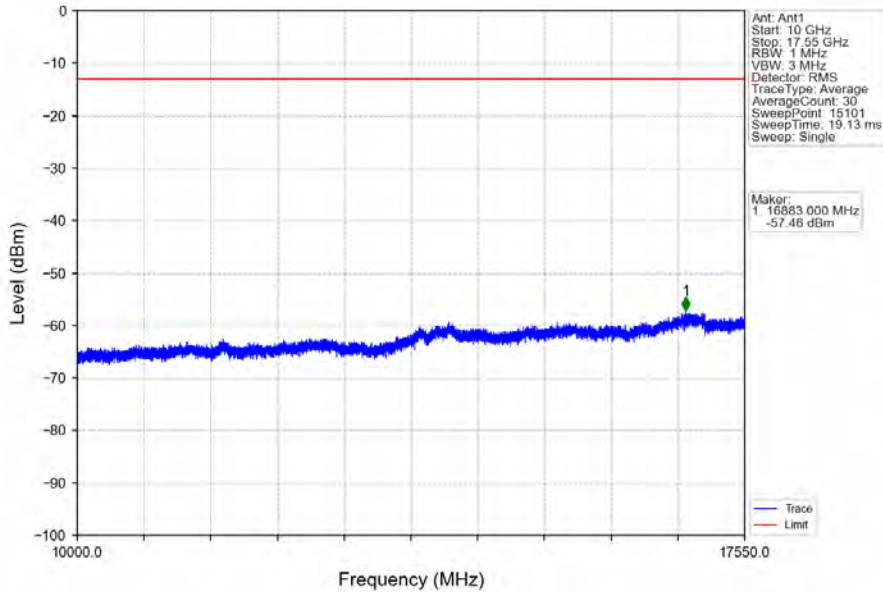
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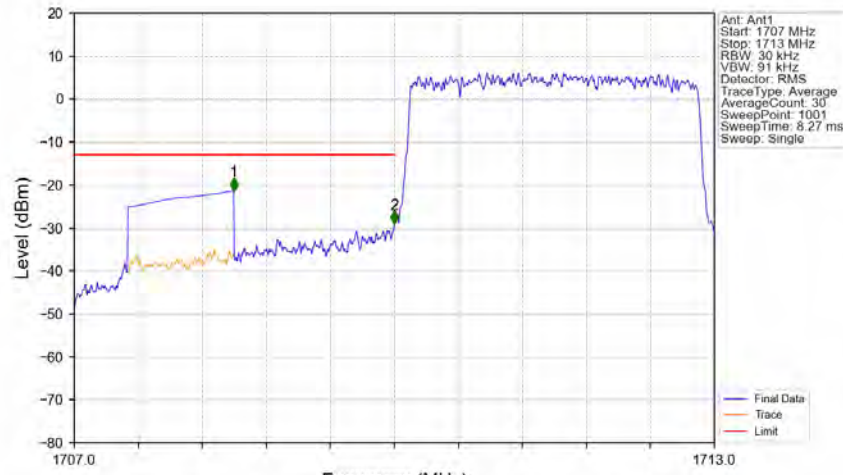
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Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-21.37	-13	Pass
1709	1710	0.03	/	2	1710.000	-29.09	-13	Pass
1710	1713	0.03	/	/	/	/	/	/



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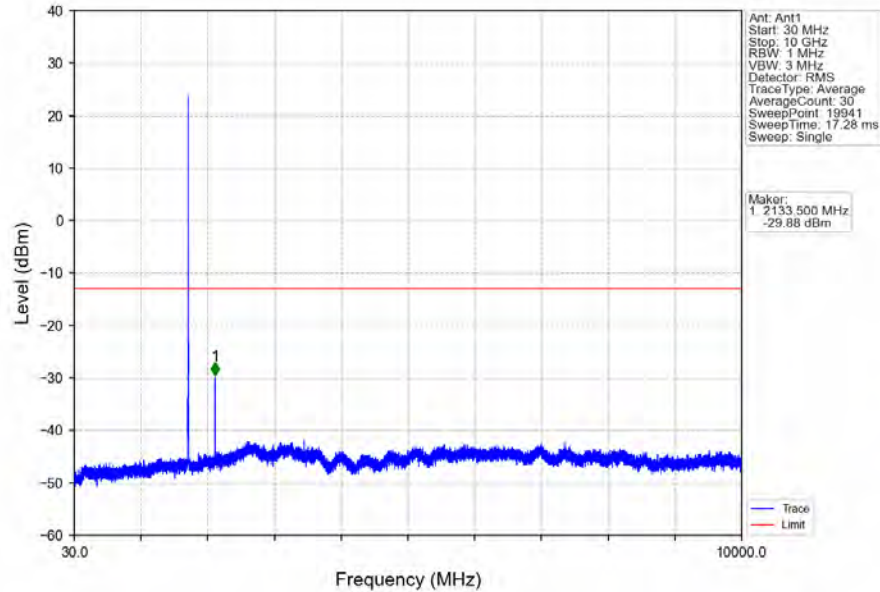




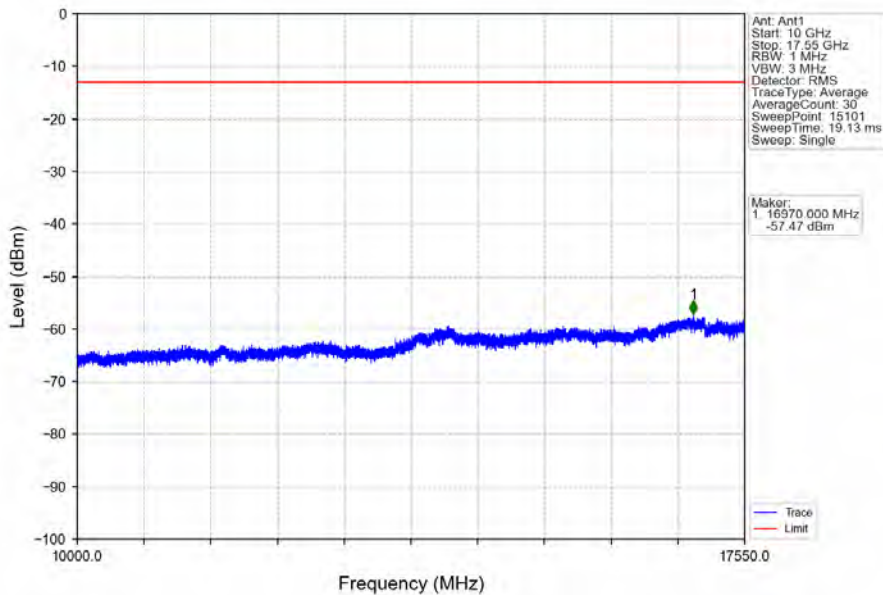
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Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



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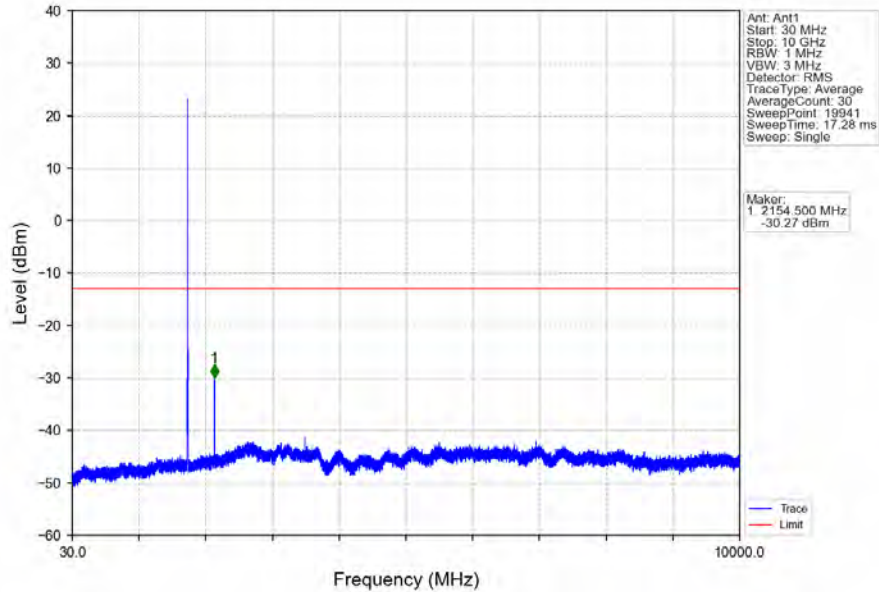
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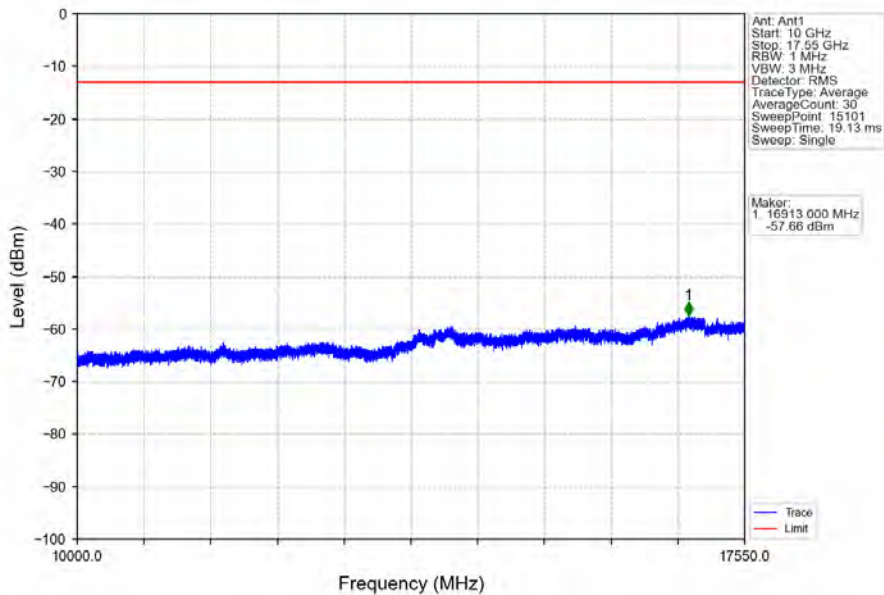
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Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



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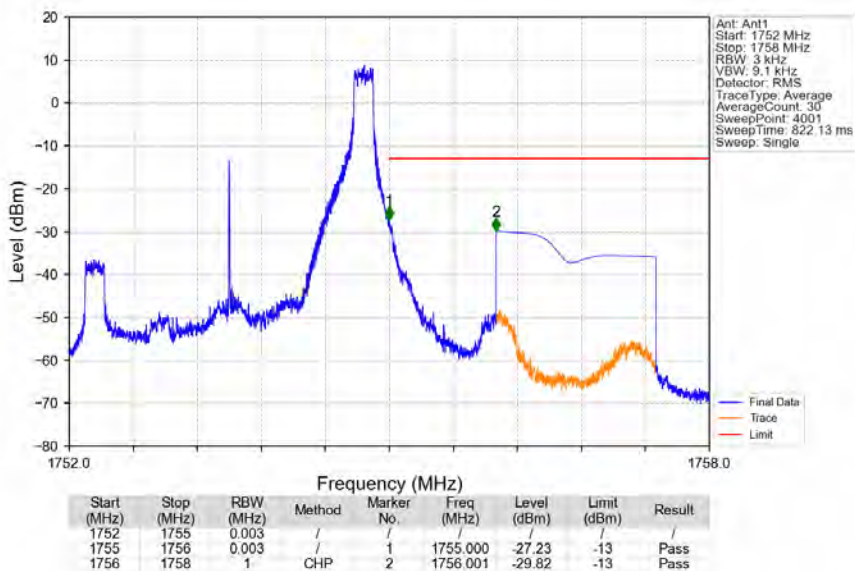
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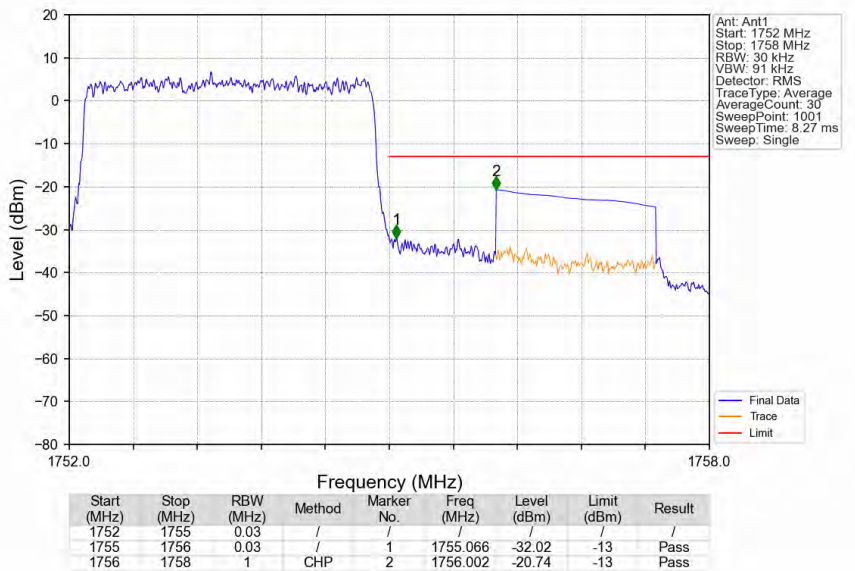
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Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_14\_NTNV



Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



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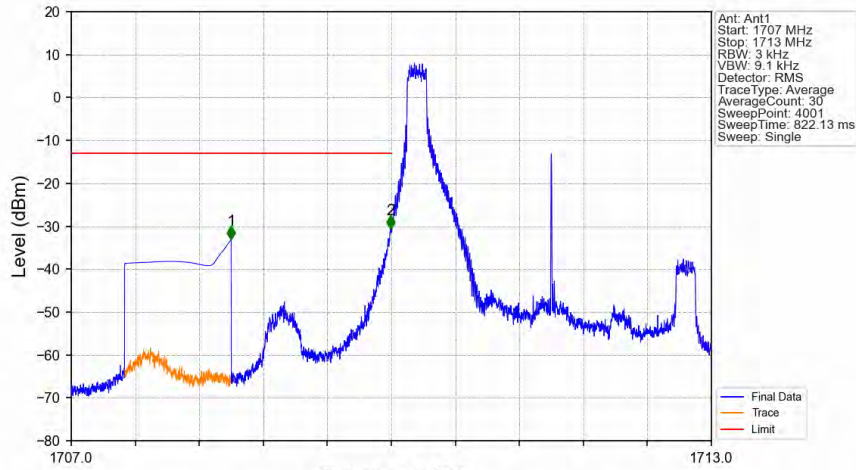




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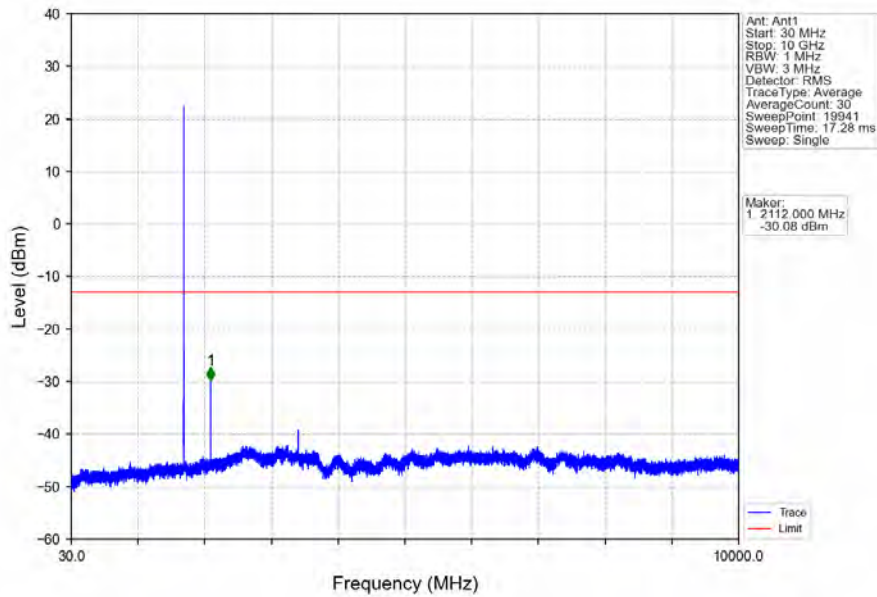
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Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-33.12	-13	Pass
1709	1710	0.003	/	2	1709.991	-30.65	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



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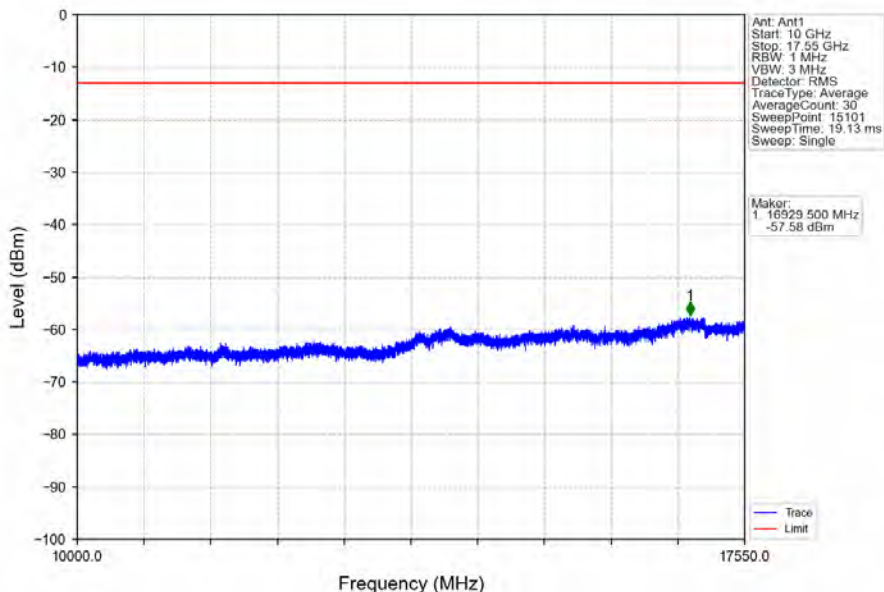
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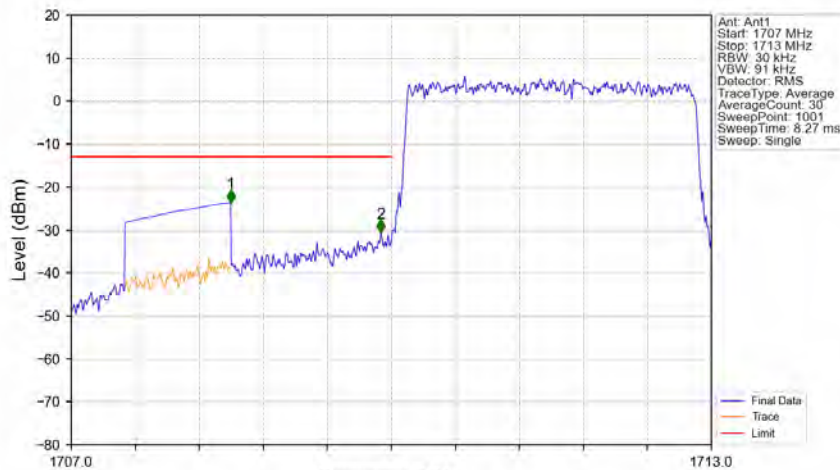
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Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-23.68	-13	Pass
1709	1710	0.03	/	2	1709.904	-30.68	-13	Pass
1710	1713	0.03	/	/	/	/	/	/



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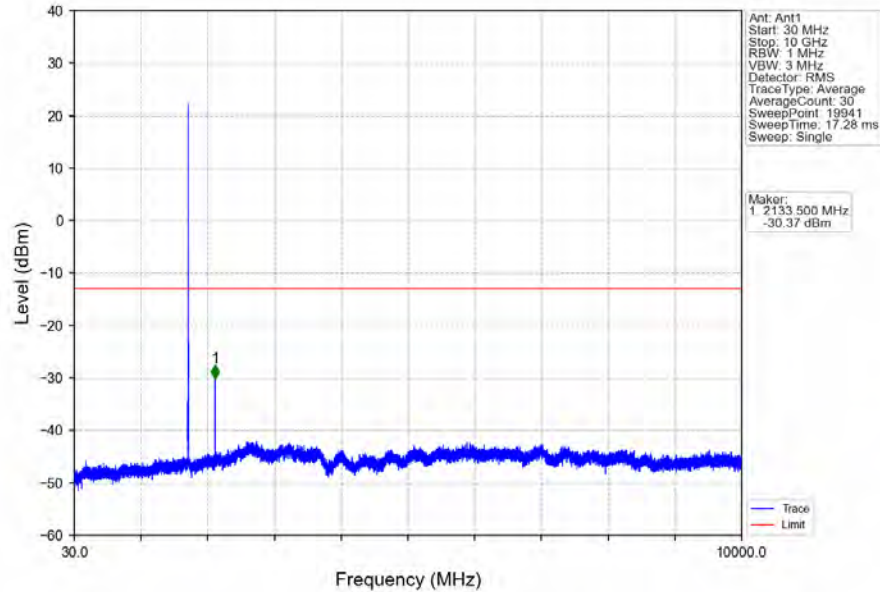
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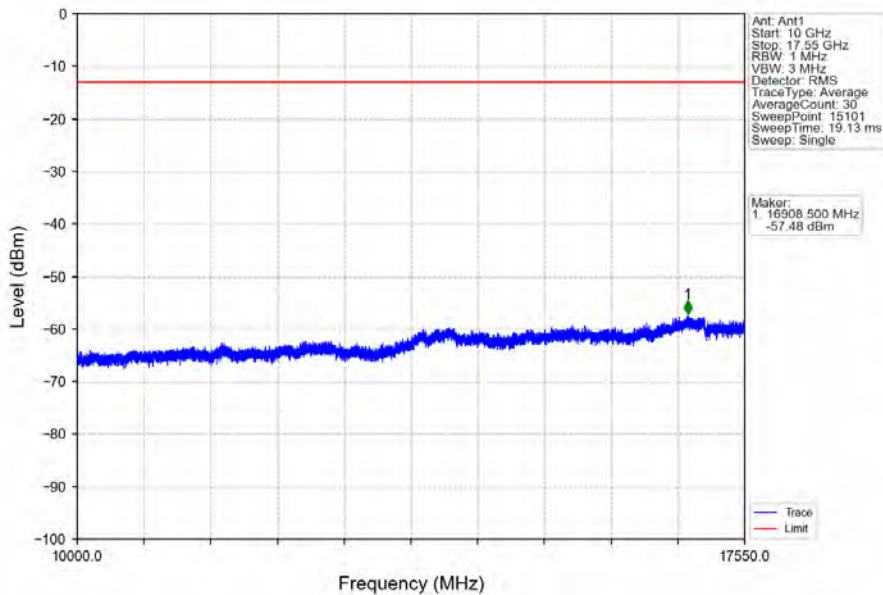
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Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



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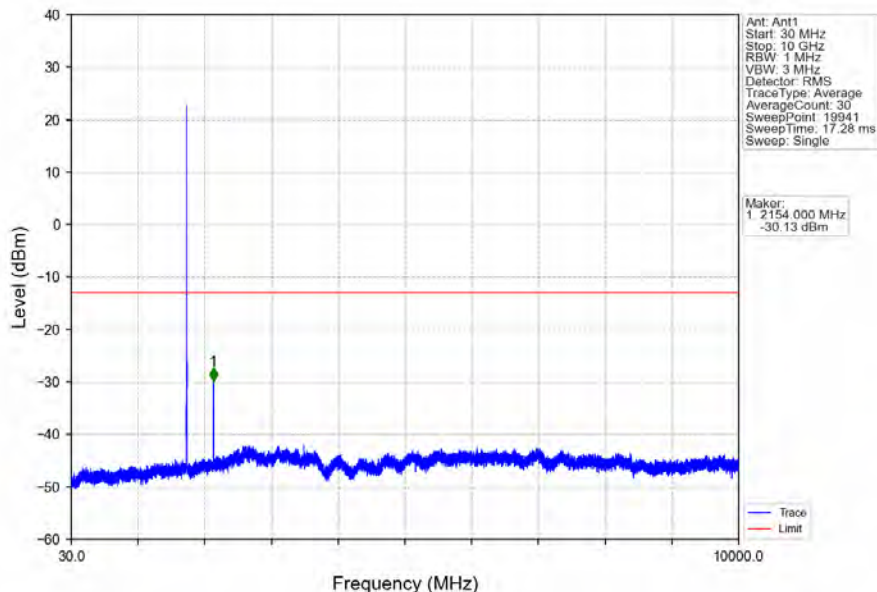




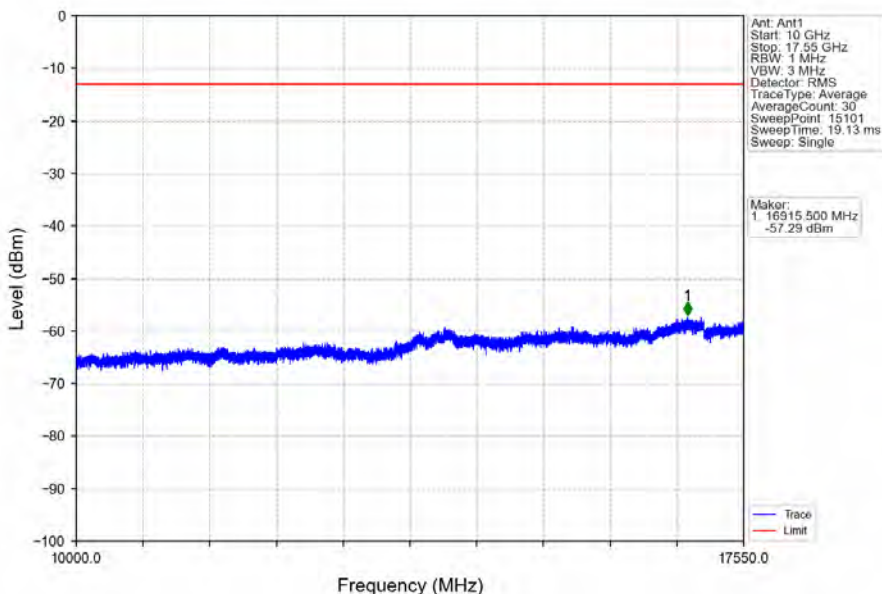
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Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



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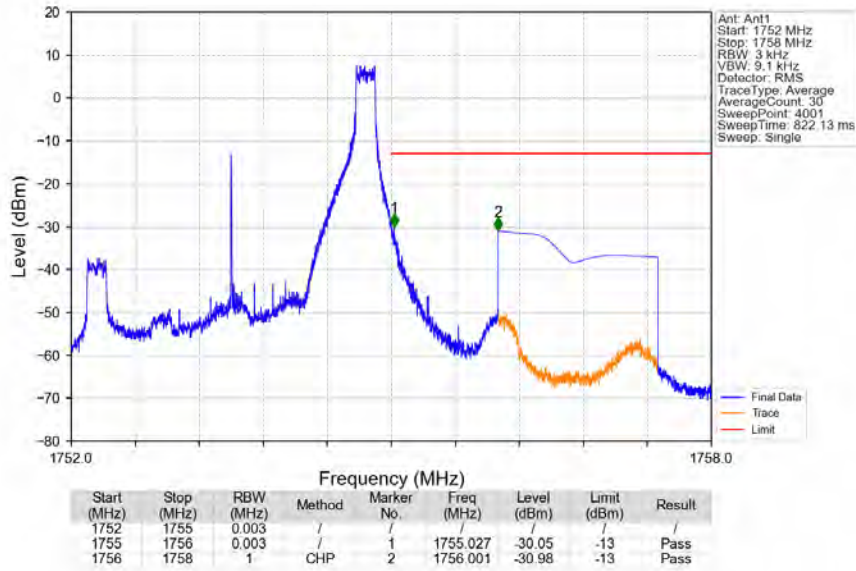
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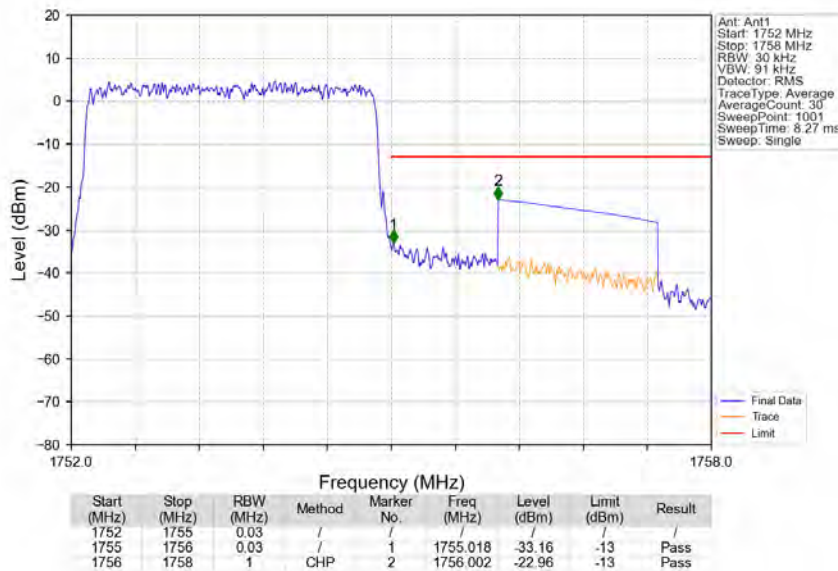
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Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_1\_14\_NTNV



Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



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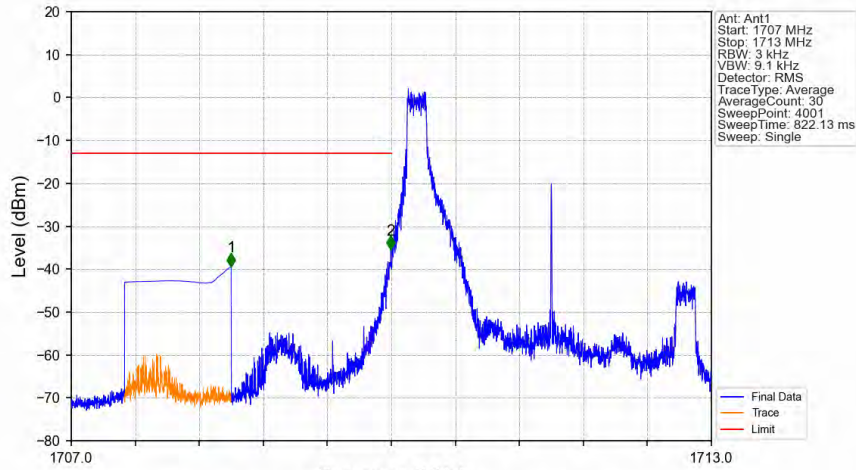
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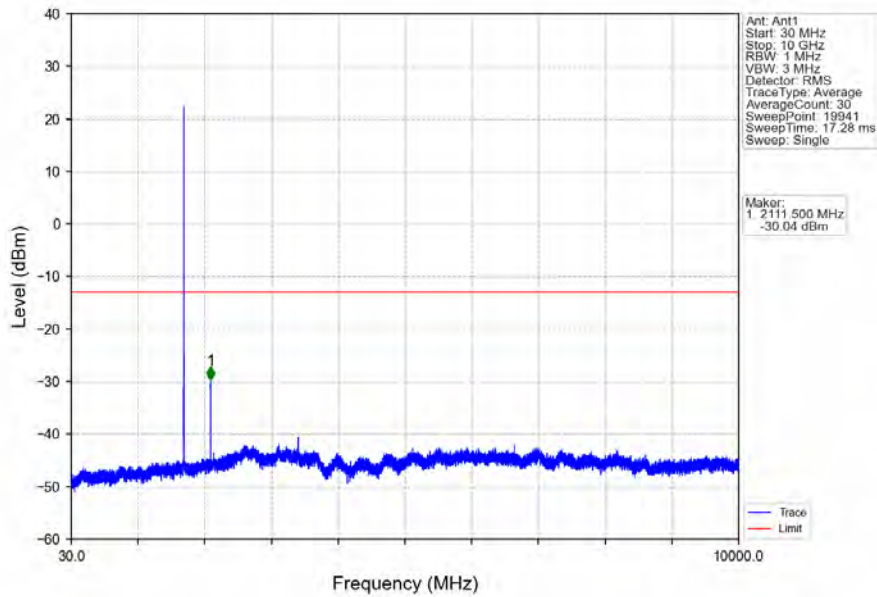
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Band4\_3MHz\_64QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-39.35	-13	Pass
1709	1710	0.003	/	2	1709.995	-35.35	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

Band4\_3MHz\_64QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



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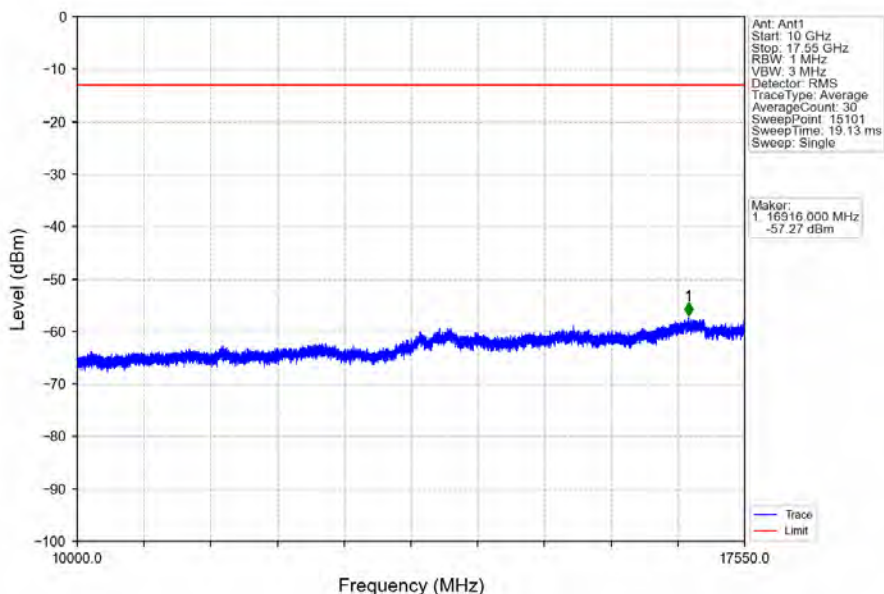
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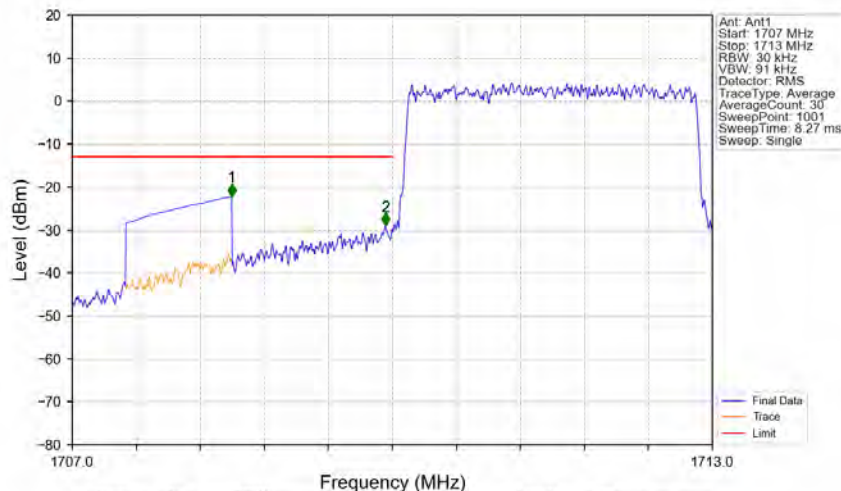
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Band4\_3MHz\_64QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_64QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-22.26	-13	Pass
1709	1710	0.03	/	2	1709.934	-28.98	-13	Pass
1710	1713	0.03	/	/	/	/	/	/



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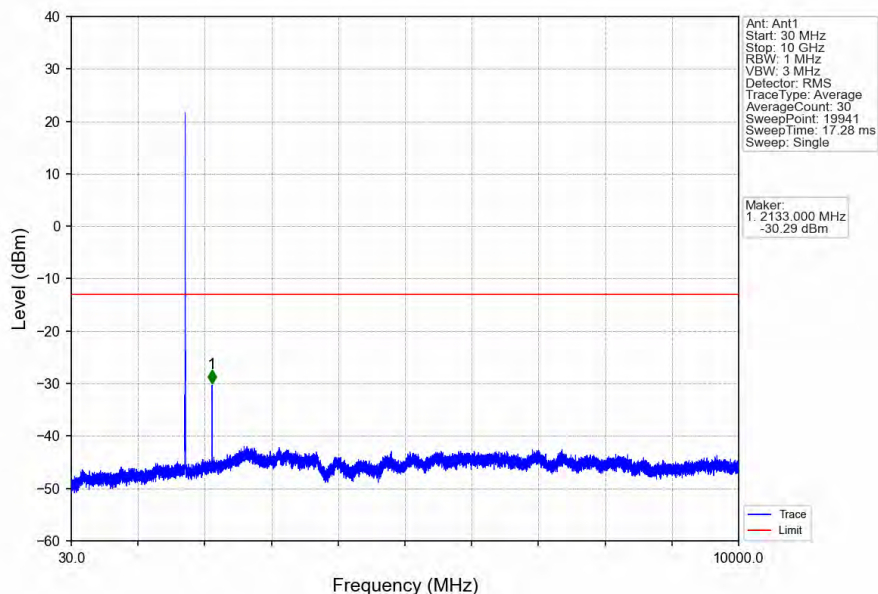
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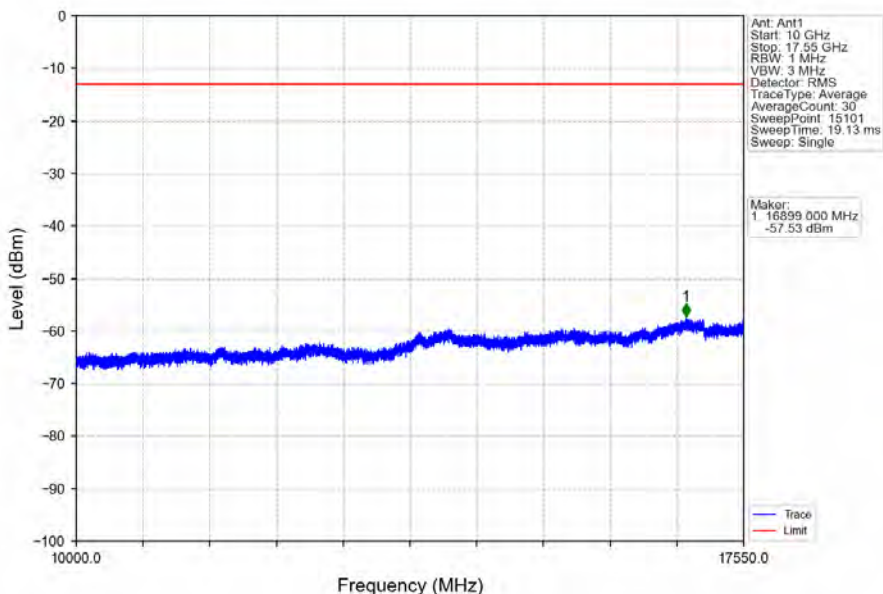
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Band4\_3MHz\_64QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_64QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



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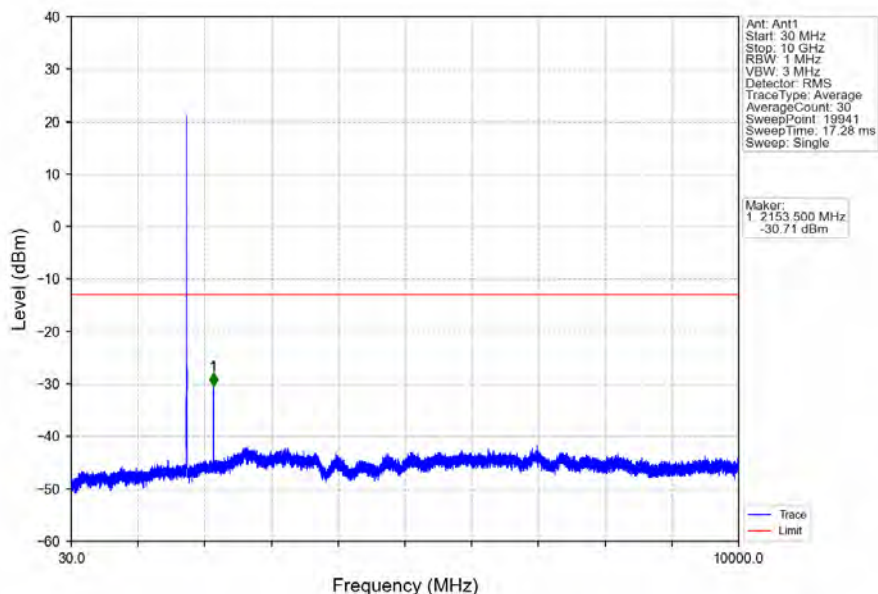
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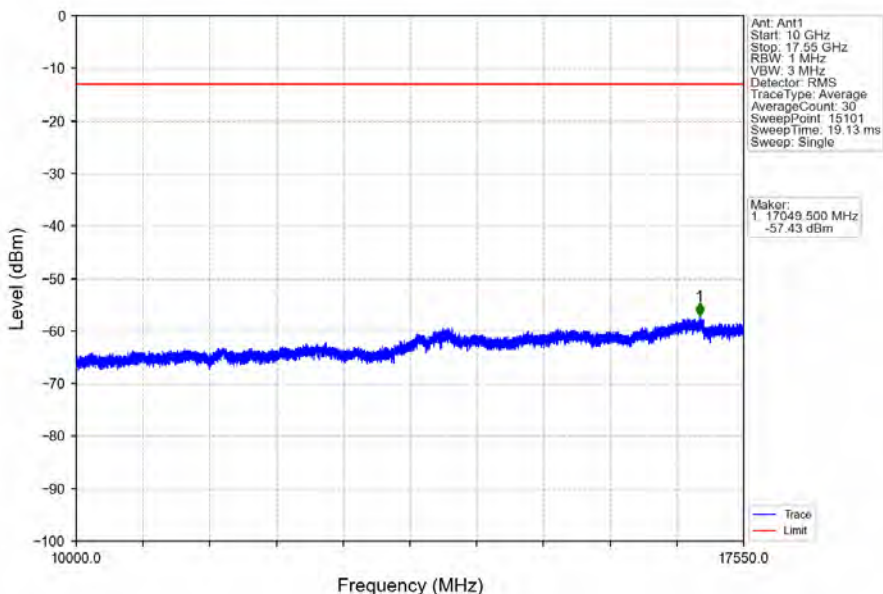
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Band4\_3MHz\_64QAM\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_64QAM\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



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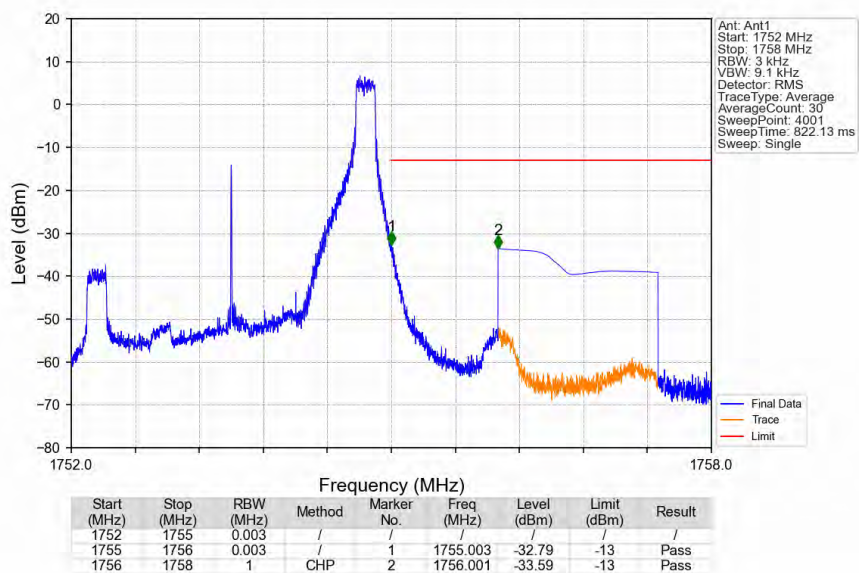
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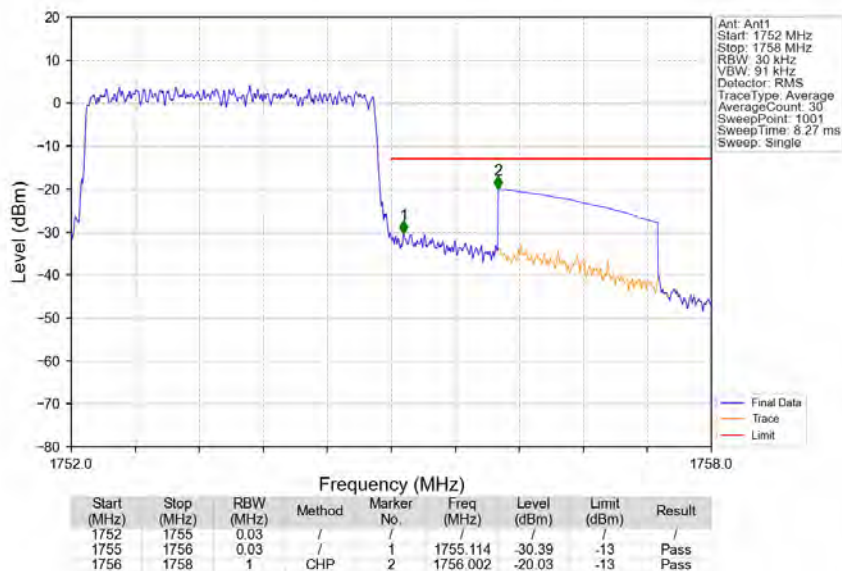
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Band4\_3MHz\_64QAM\_HCH\_1753.5MHz\_RB\_1\_14\_NTNV



Band4\_3MHz\_64QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



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## 6.3 B4\_5MHz

### 6.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph	Pass	
		25	0	Refer To Test Graph	Pass	
	1732.5	1	0	Refer To Test Graph	Pass	
		1752.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass	
		25	0	Refer To Test Graph	Pass	
16QAM	1712.5	1	0	Refer To Test Graph	Pass	
		25	0	Refer To Test Graph	Pass	
	1732.5	1	0	Refer To Test Graph	Pass	
		1752.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass	
		25	0	Refer To Test Graph	Pass	
64QAM	1712.5	1	0	Refer To Test Graph	Pass	
		25	0	Refer To Test Graph	Pass	
	1732.5	1	0	Refer To Test Graph	Pass	
		1752.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass	
		25	0	Refer To Test Graph	Pass	



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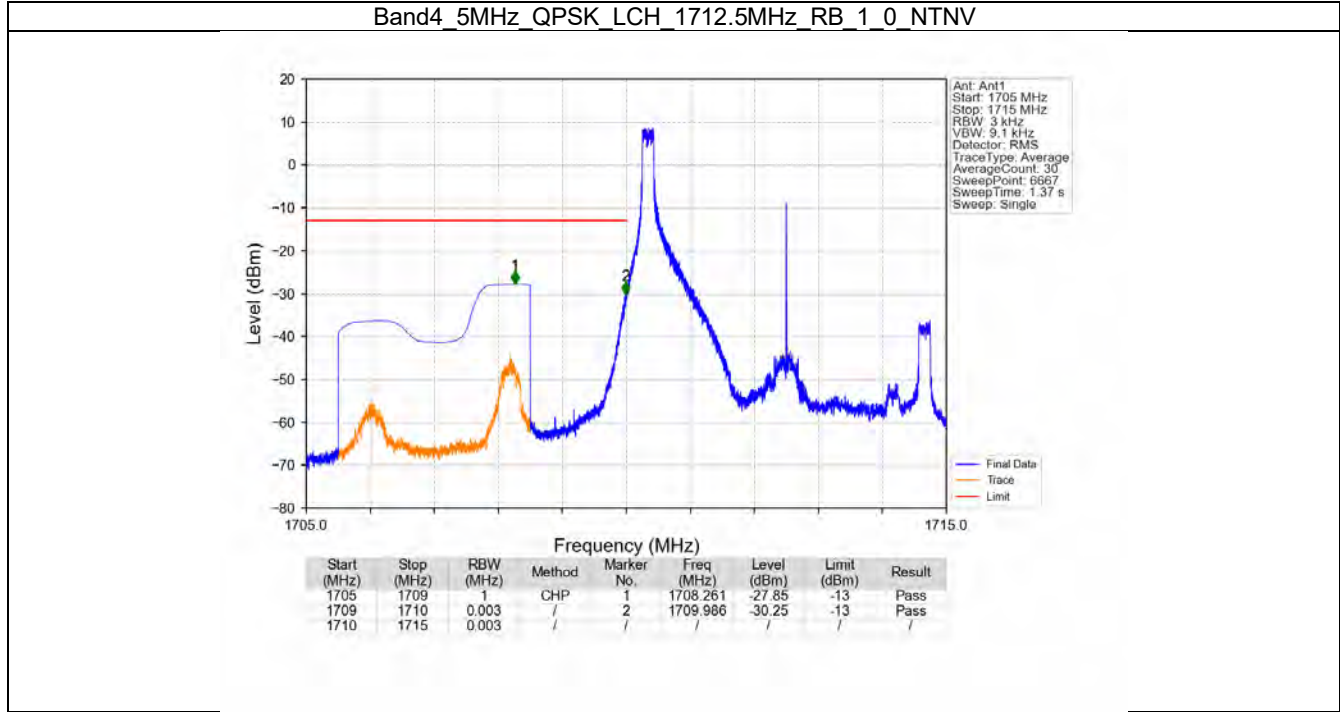
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6.3.2 Test Graph



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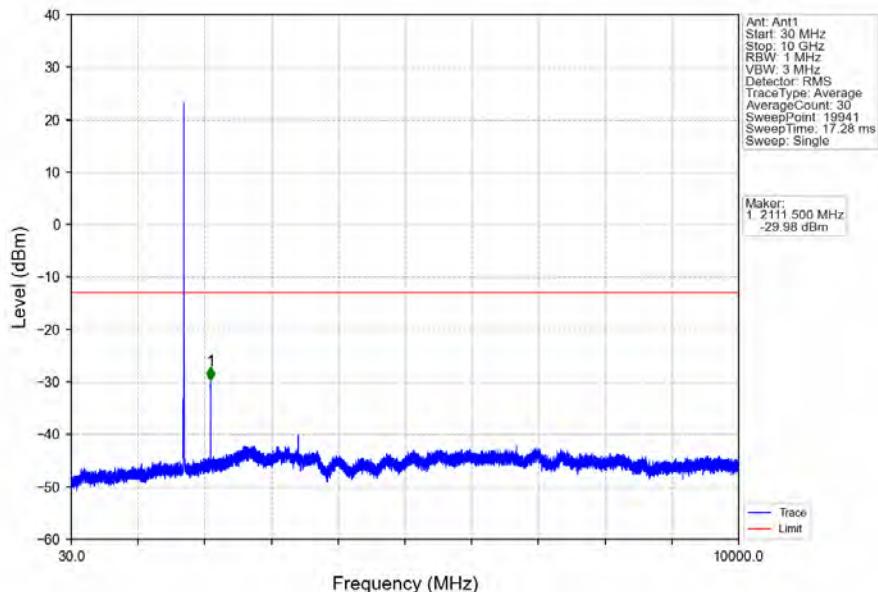




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Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV



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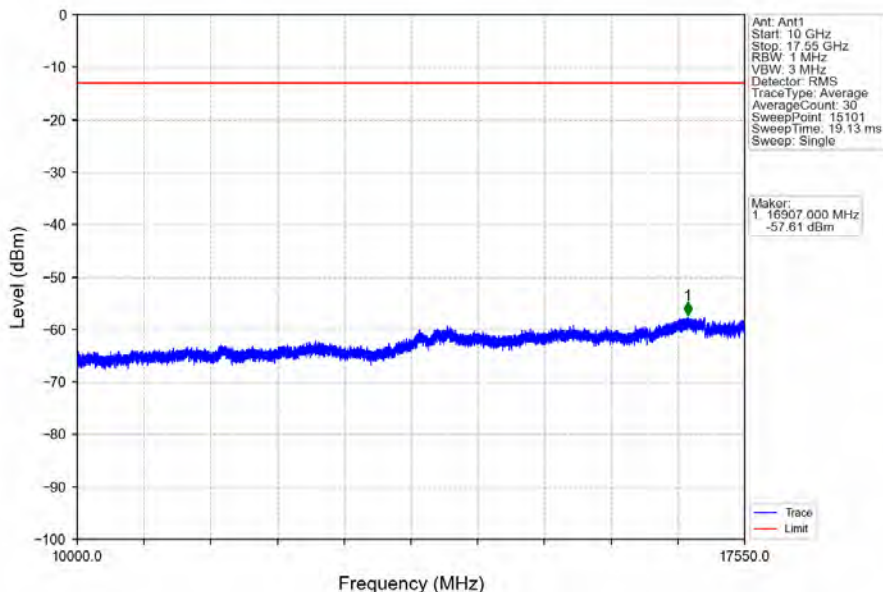
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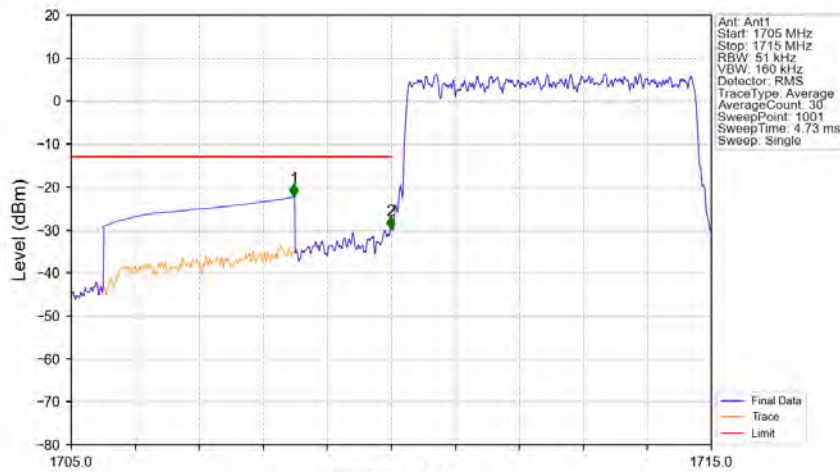
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Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV



Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.480	-22.36	-13	Pass
1709	1710	0.051	/	2	1709.990	-29.97	-13	Pass
1710	1715	0.051	/	/	/	/	/	/



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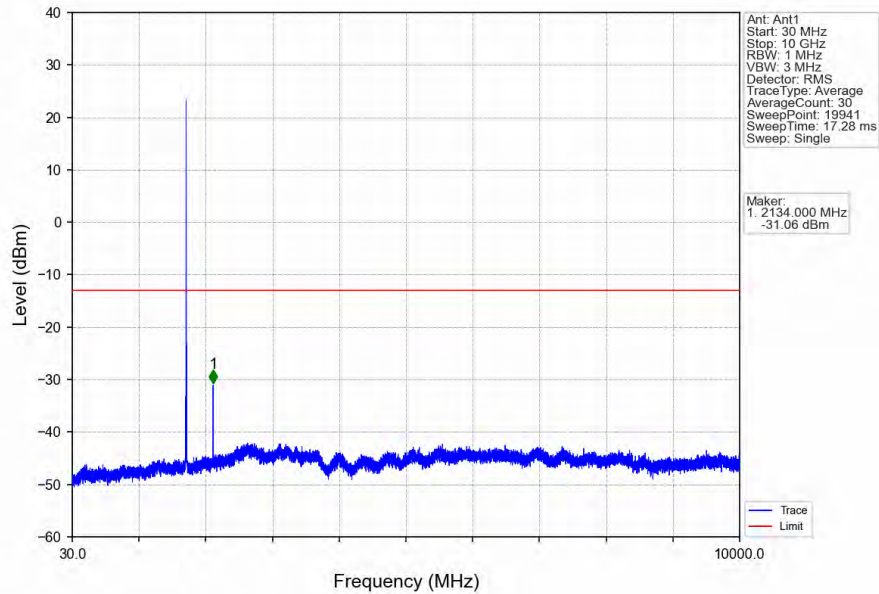
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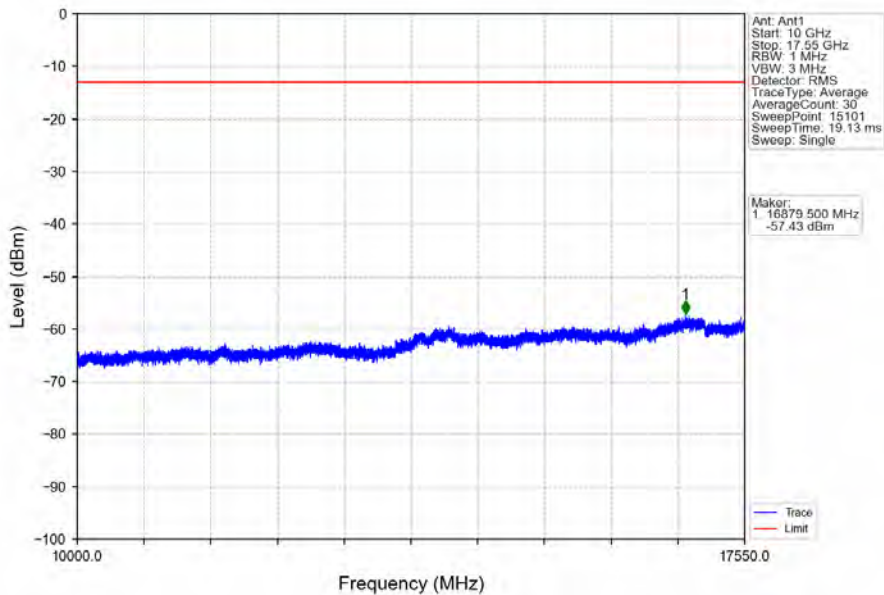
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Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



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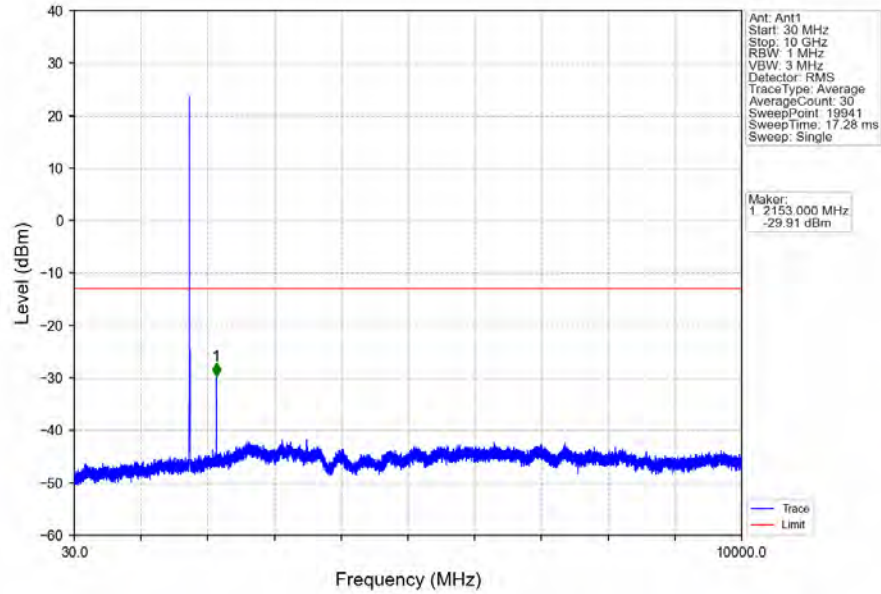




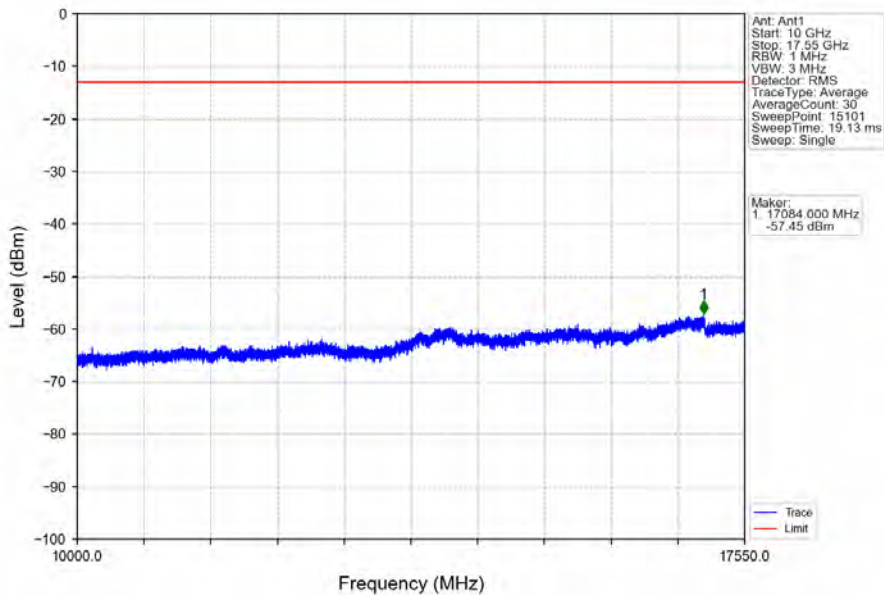
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Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



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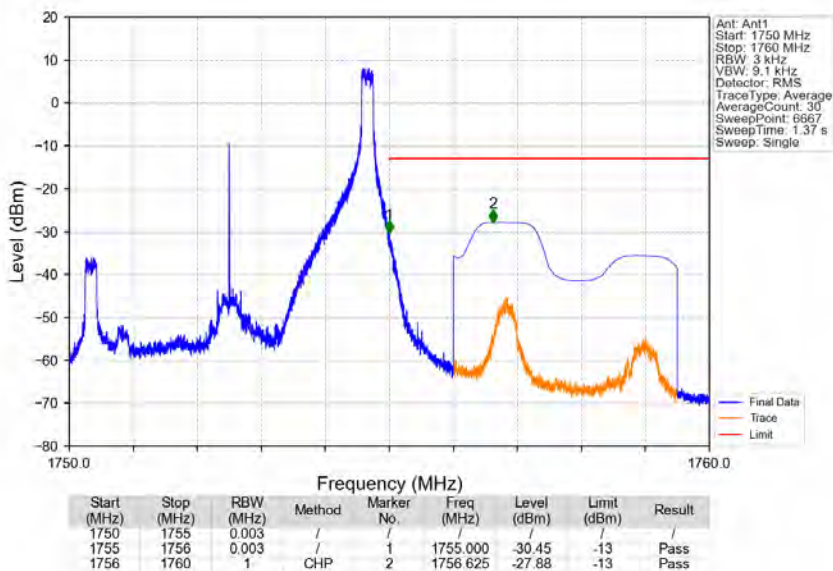
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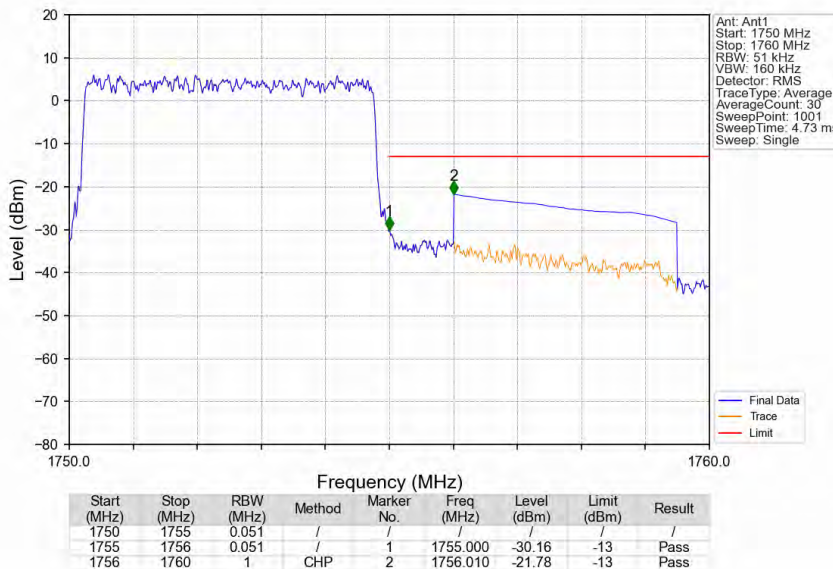
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Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_24\_NTNV



Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



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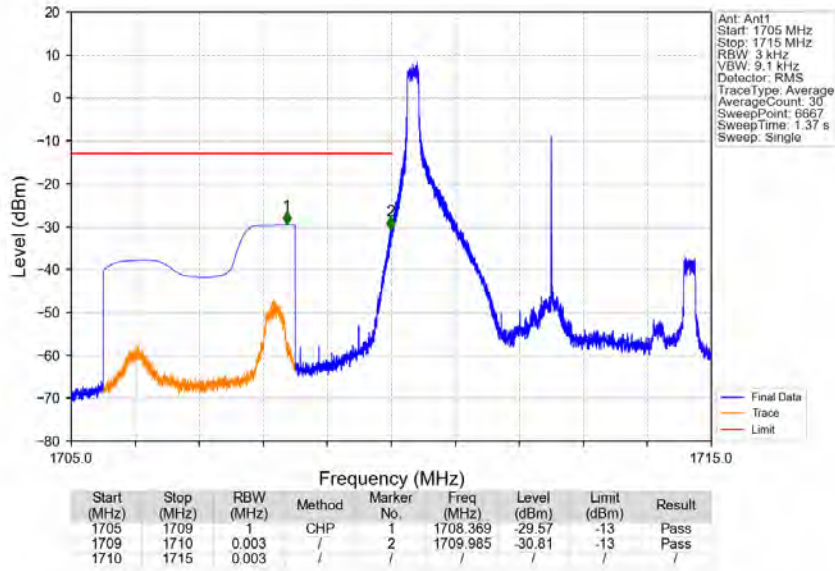
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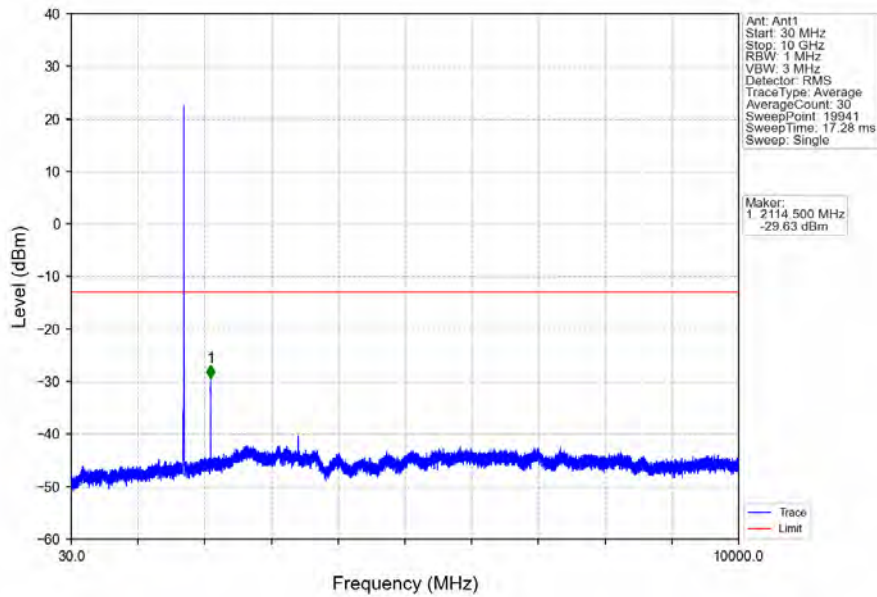
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Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV



Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV



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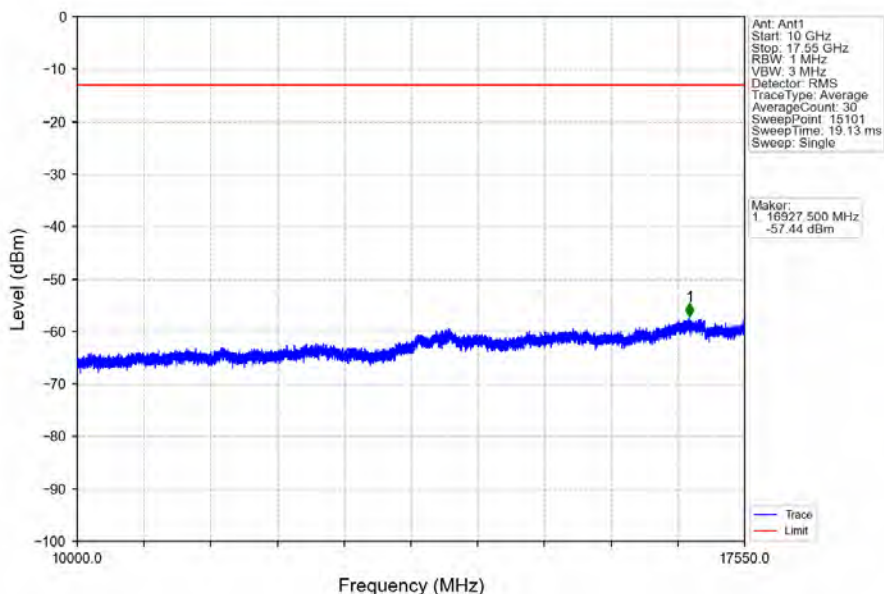




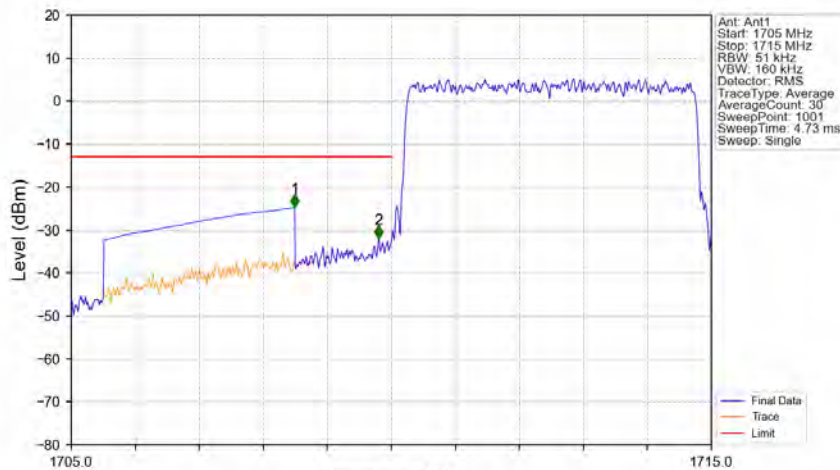
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Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV



Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-24.85	-13	Pass
1709	1710	0.051	/	2	1709.800	-32.11	-13	Pass
1710	1715	0.051	/	/	/	/	/	/



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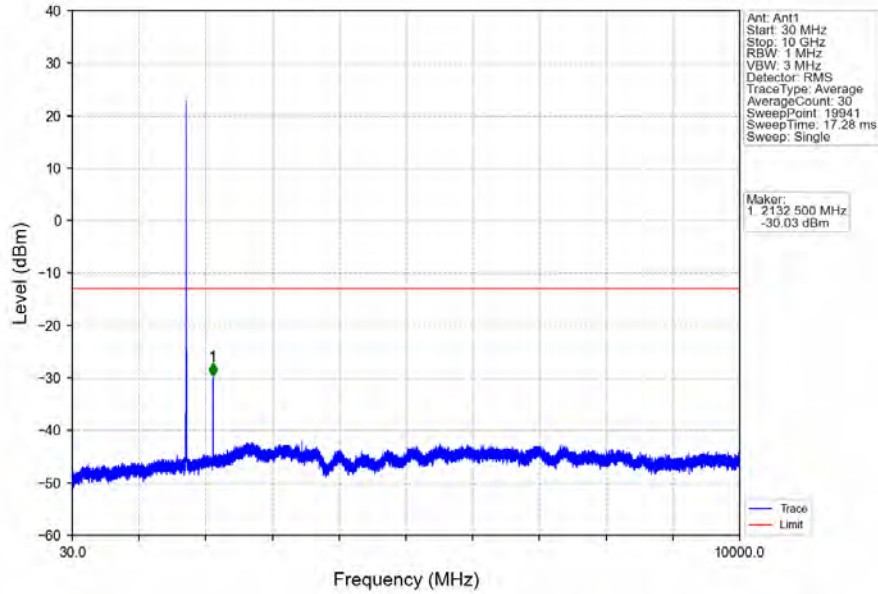
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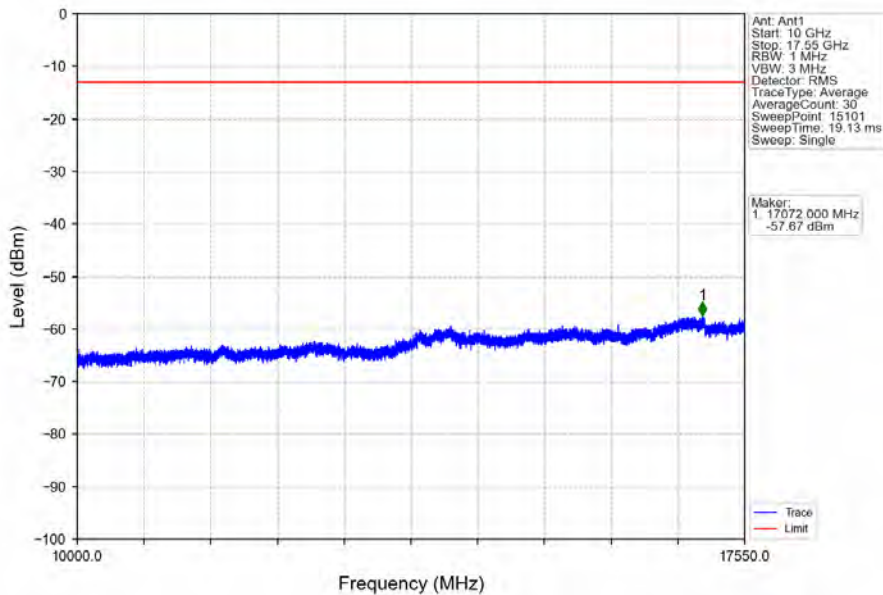
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Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



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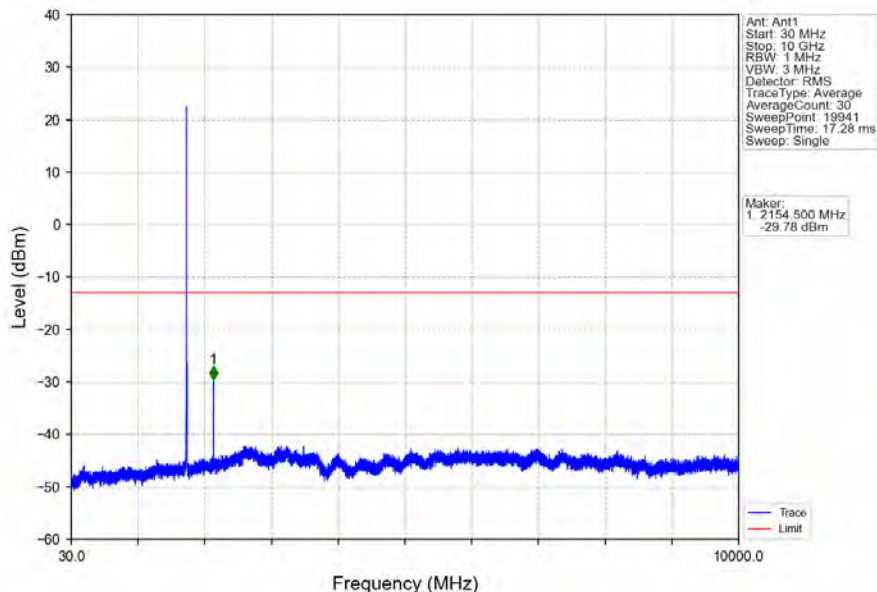
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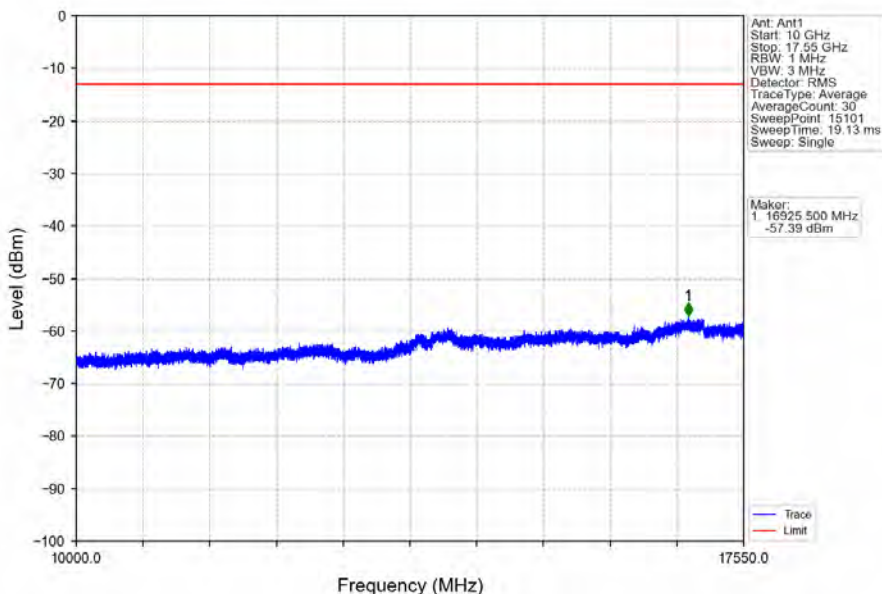
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Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



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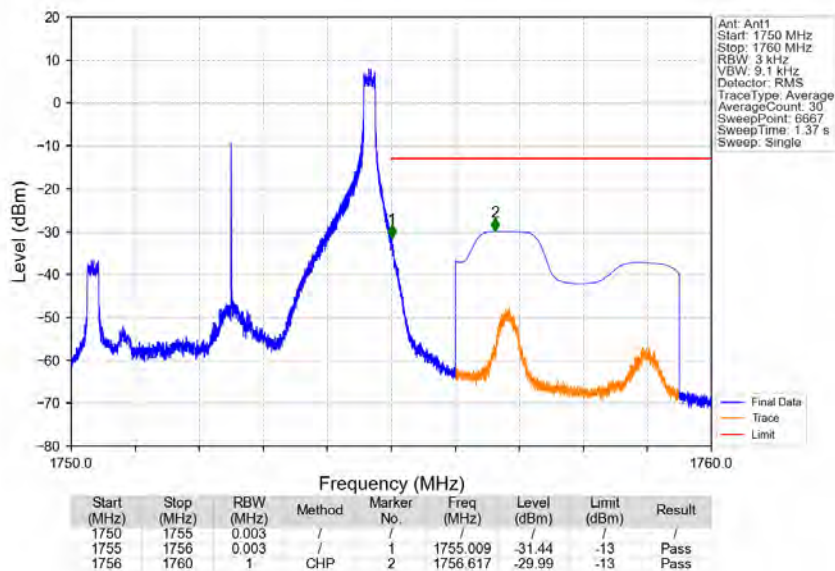
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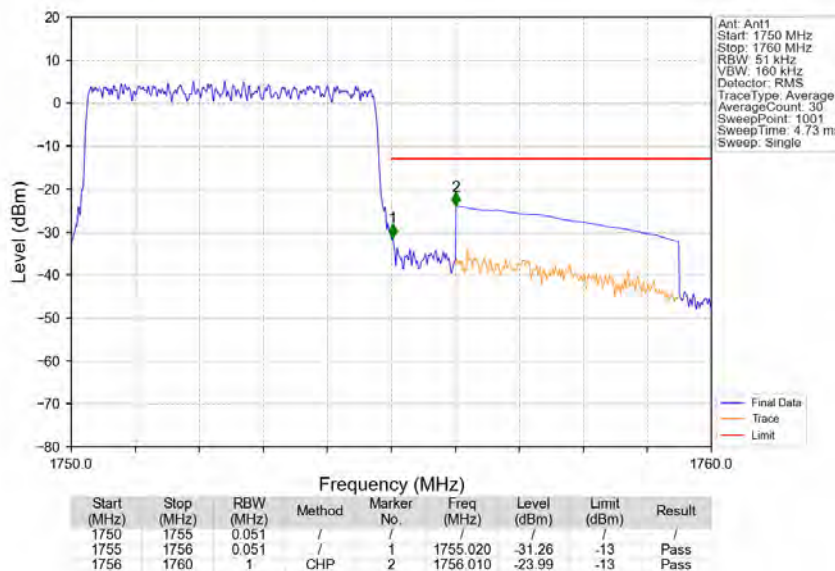
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Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_1\_24\_NTNV



Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



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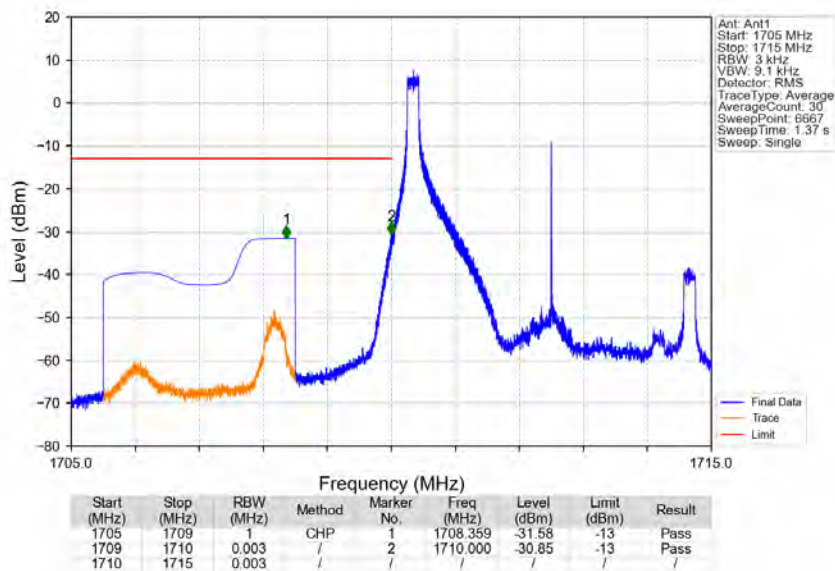
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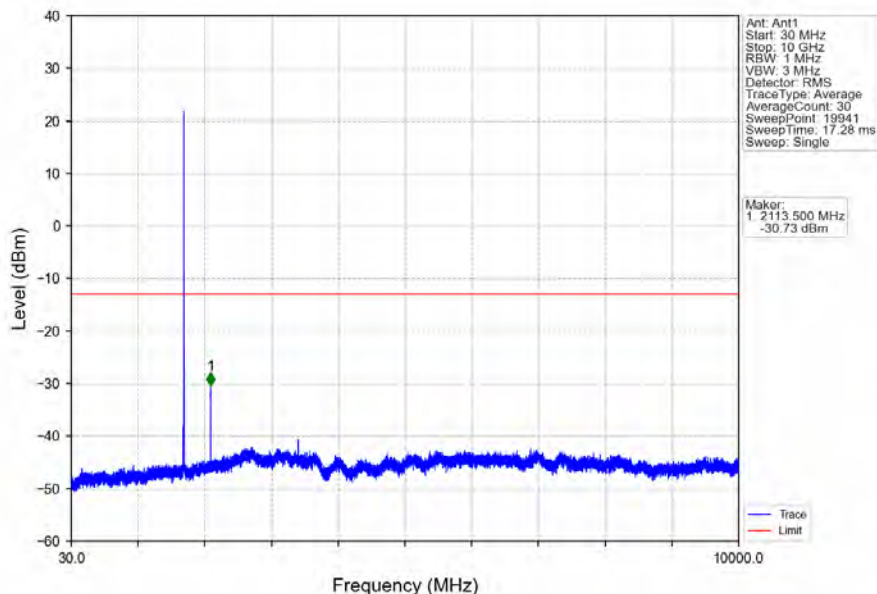
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Band4\_5MHz\_64QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV



Band4\_5MHz\_64QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV



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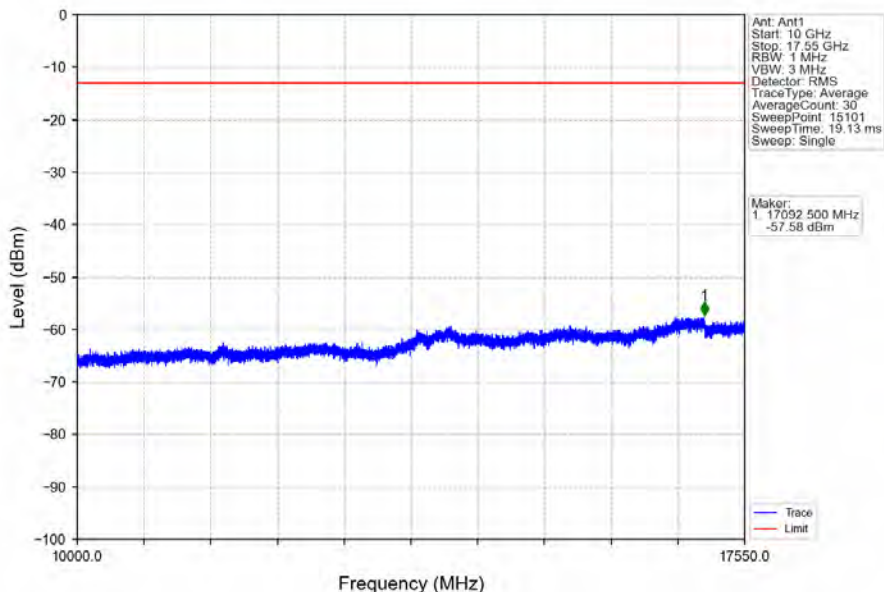
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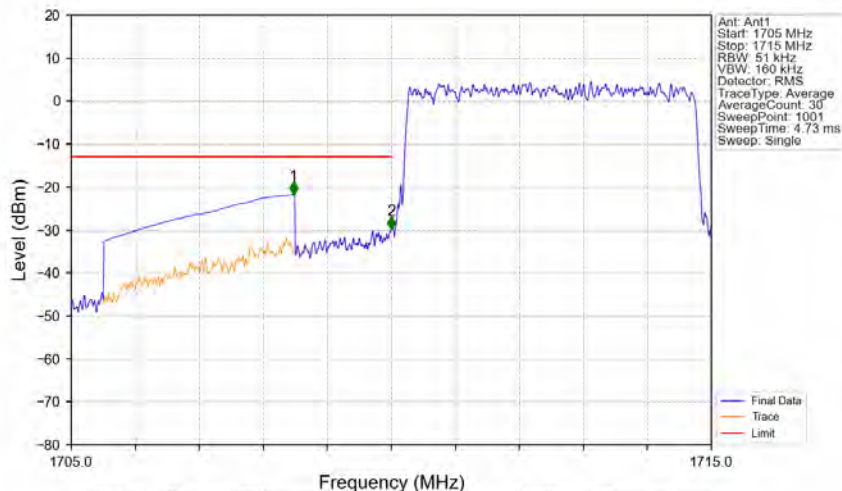
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Band4\_5MHz\_64QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.470	-21.77	-13	Pass
1709	1710	0.051	/	2	1710.000	-29.89	-13	Pass
1710	1715	0.051	/	/	/	/	/	/



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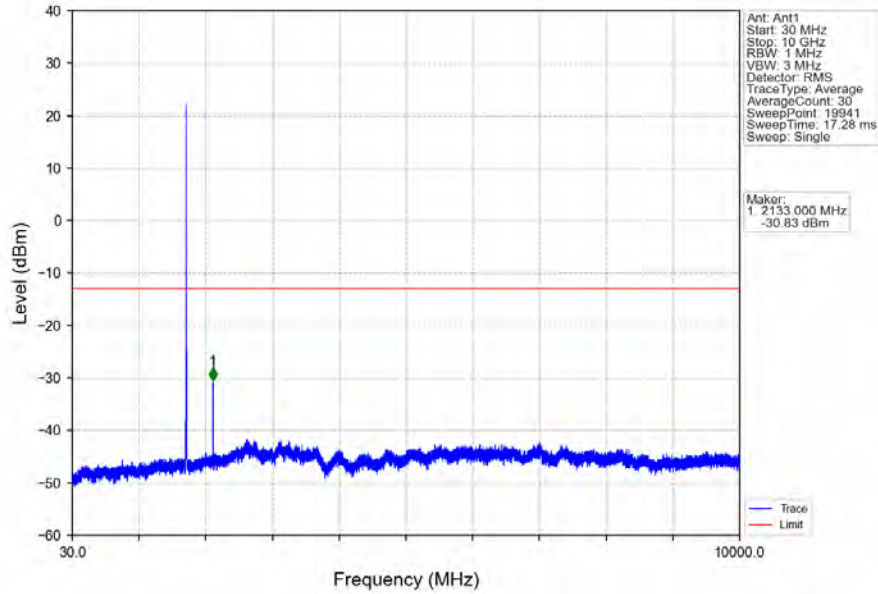




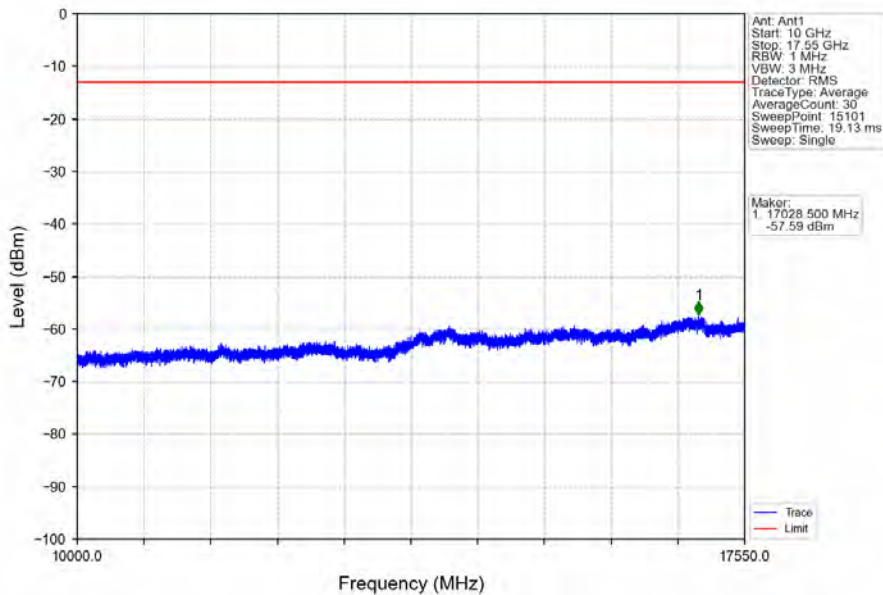
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Band4\_5MHz\_64QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



Band4\_5MHz\_64QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



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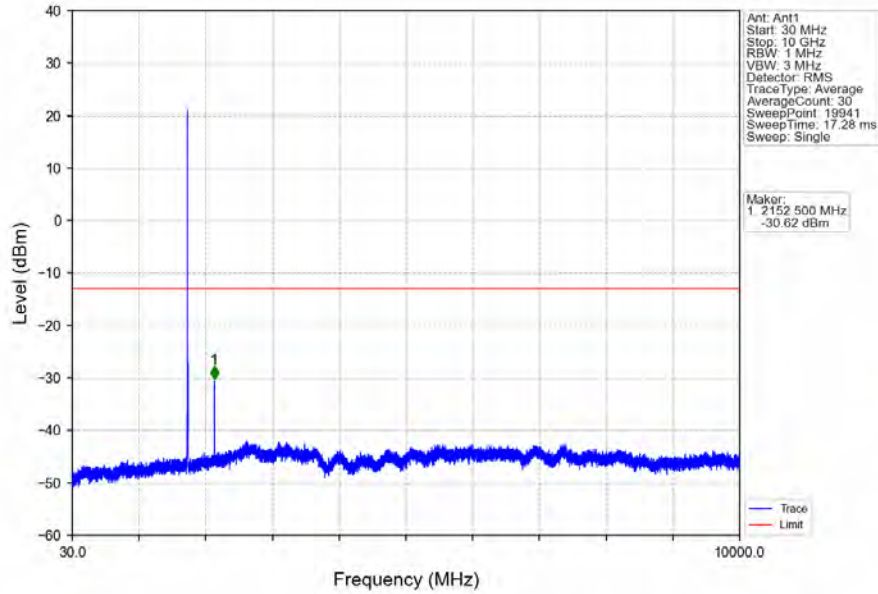
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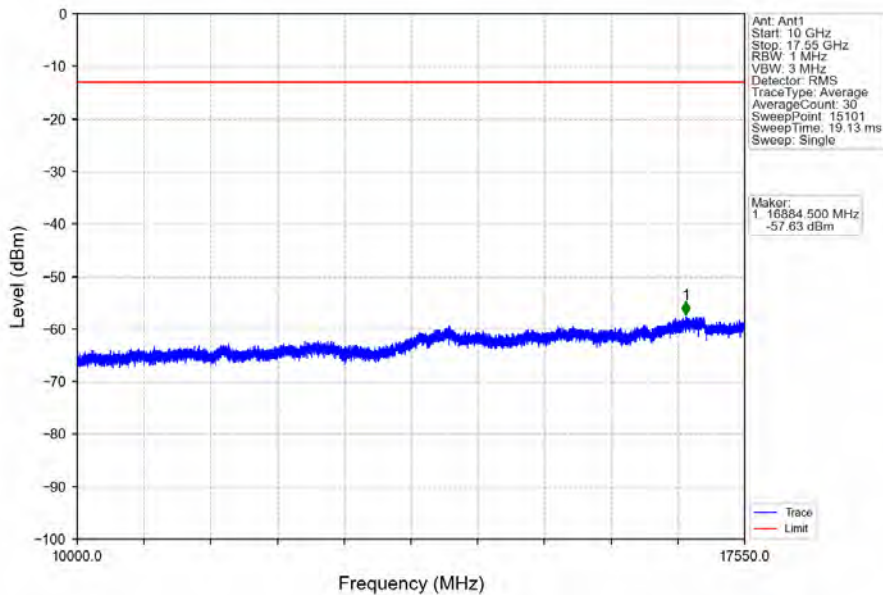
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Band4\_5MHz\_64QAM\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



Band4\_5MHz\_64QAM\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



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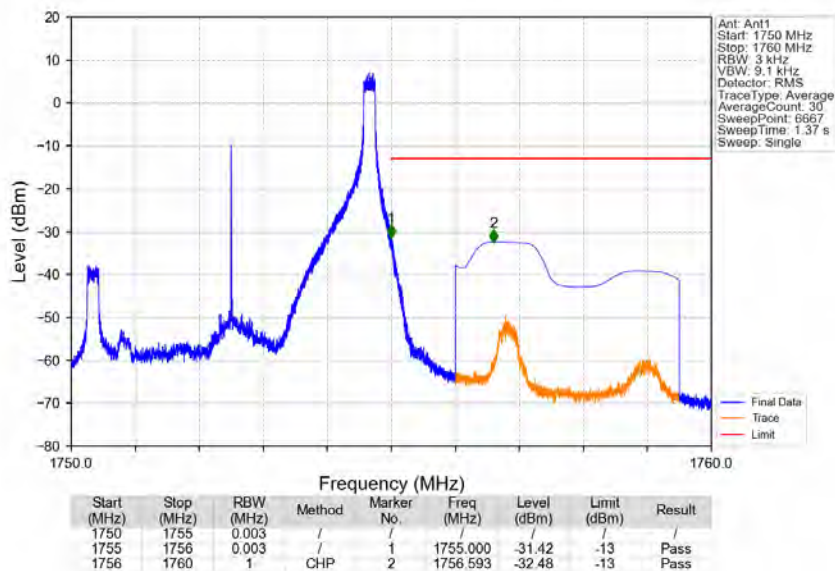
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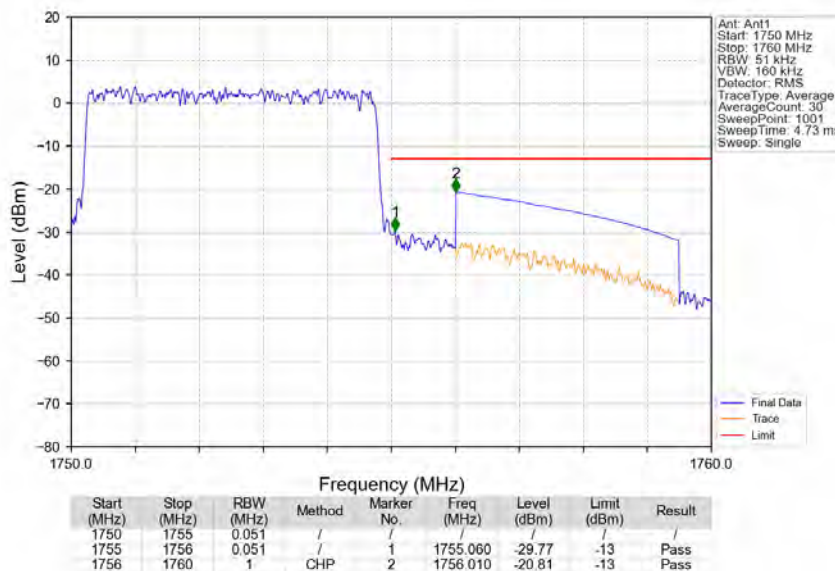
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Band4\_5MHz\_64QAM\_HCH\_1752.5MHz\_RB\_1\_24\_NTNV



Band4\_5MHz\_64QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



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## 6.4 B4\_10MHz

### 6.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	1732.5	1	0	Refer To Test Graph	Pass	
		1750	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass	
50	0	Refer To Test Graph	Pass			
16QAM	1715	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	1732.5	1	0	Refer To Test Graph	Pass	
		1750	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass	
50	0	Refer To Test Graph	Pass			
64QAM	1715	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	1732.5	1	0	Refer To Test Graph	Pass	
		1750	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass	
50	0	Refer To Test Graph	Pass			



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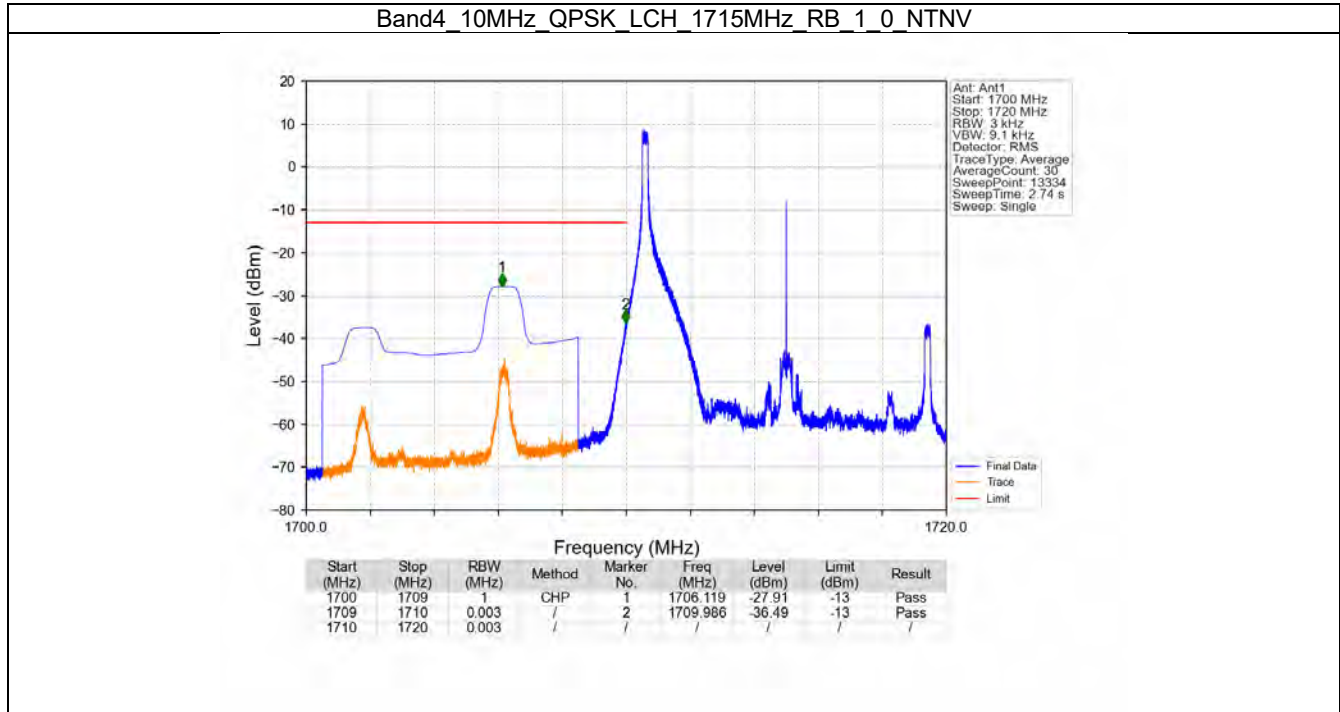
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6.4.2 Test Graph



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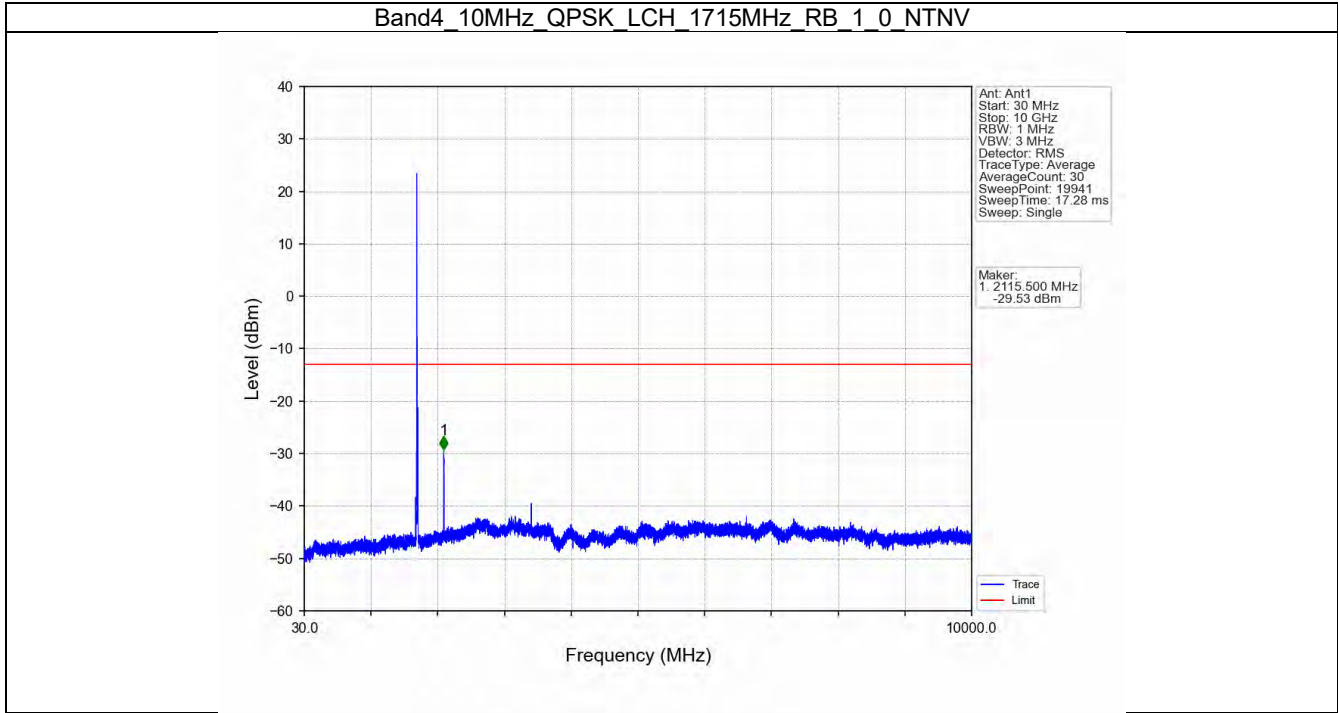
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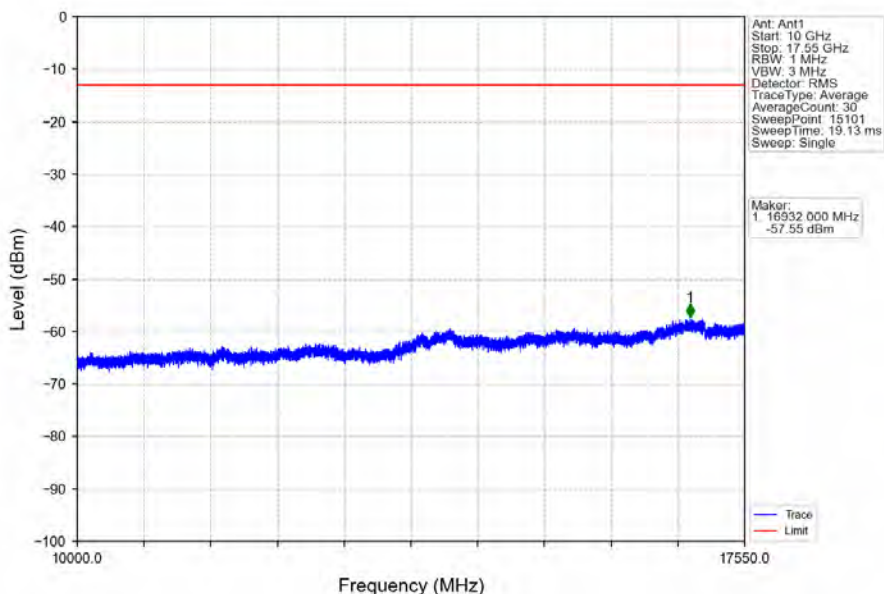




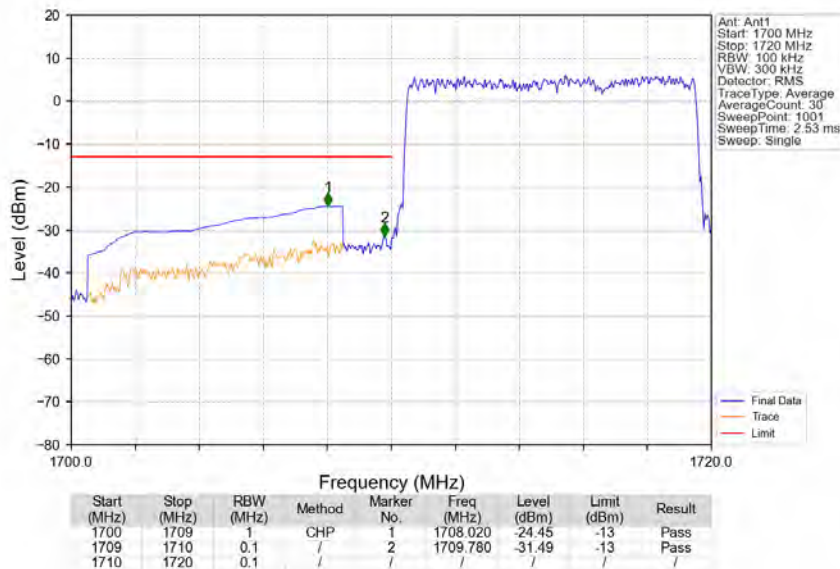
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Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_1\_0\_NTNV



Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV



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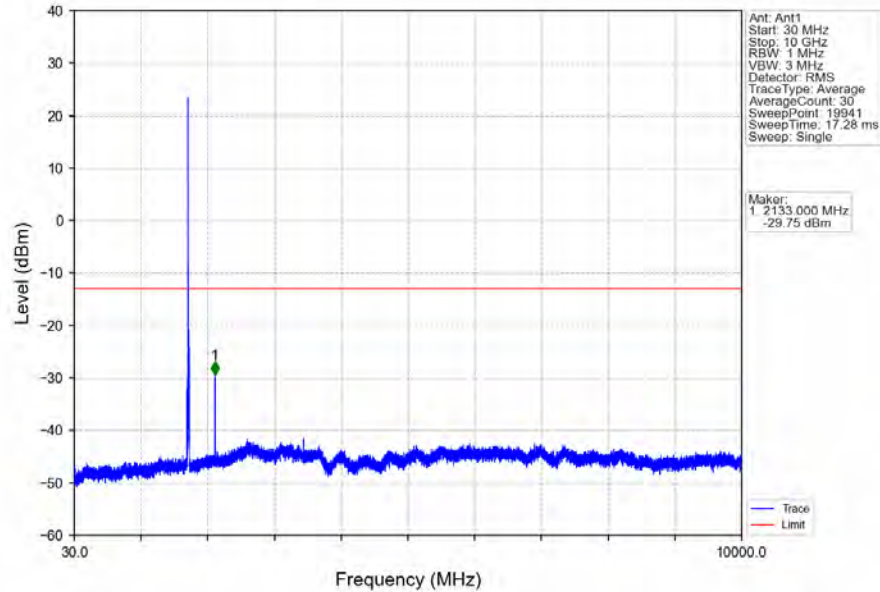
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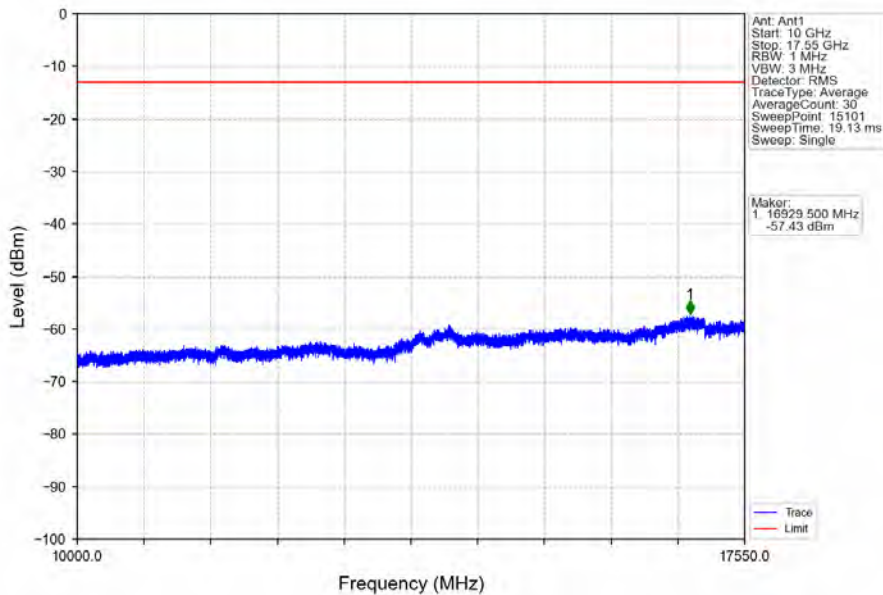
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Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



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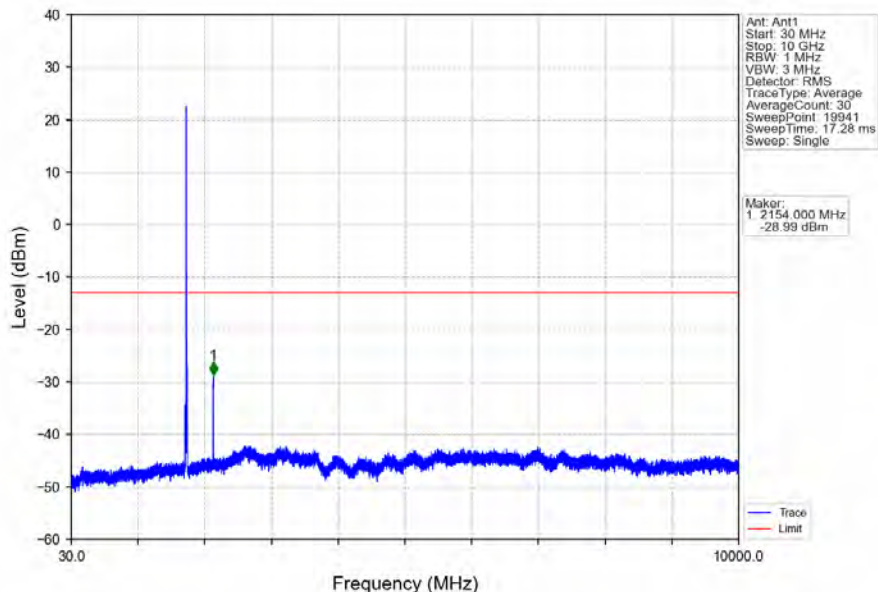
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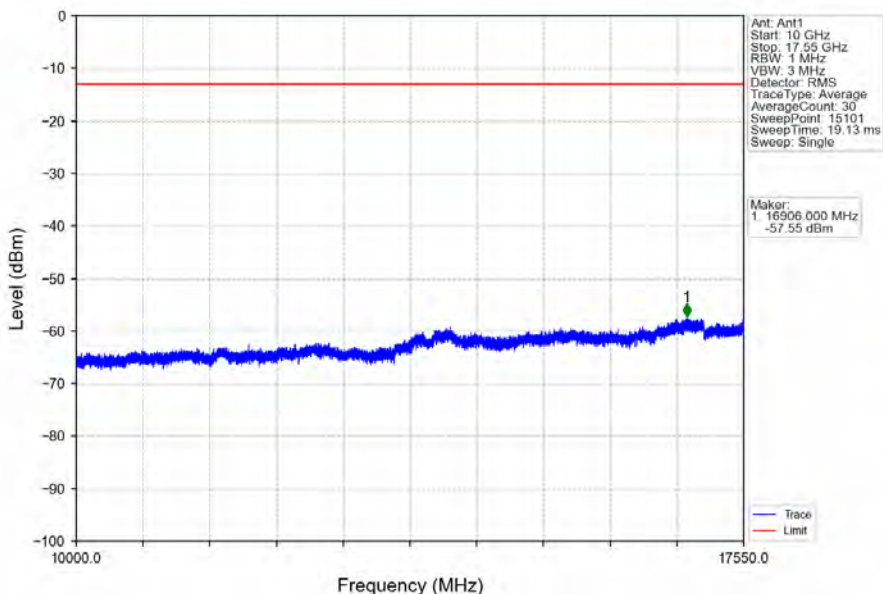
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Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_1\_0\_NTNV



Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_1\_0\_NTNV



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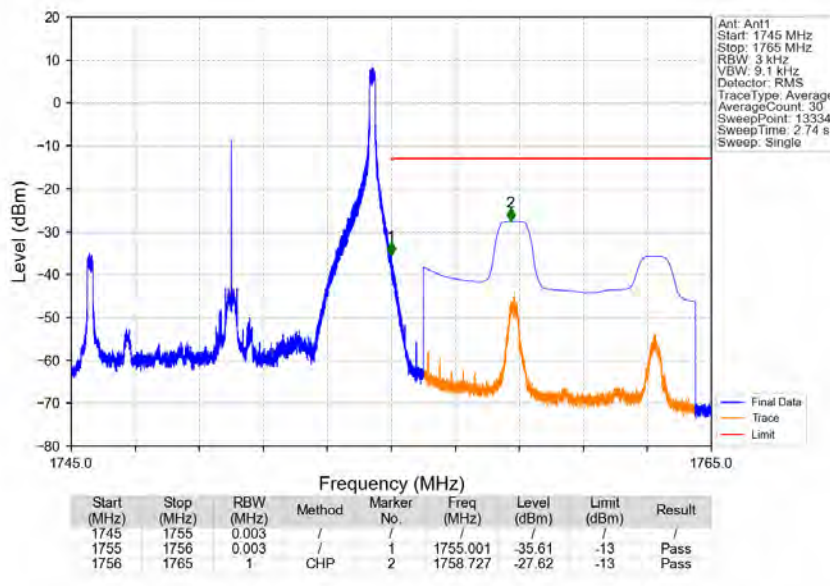
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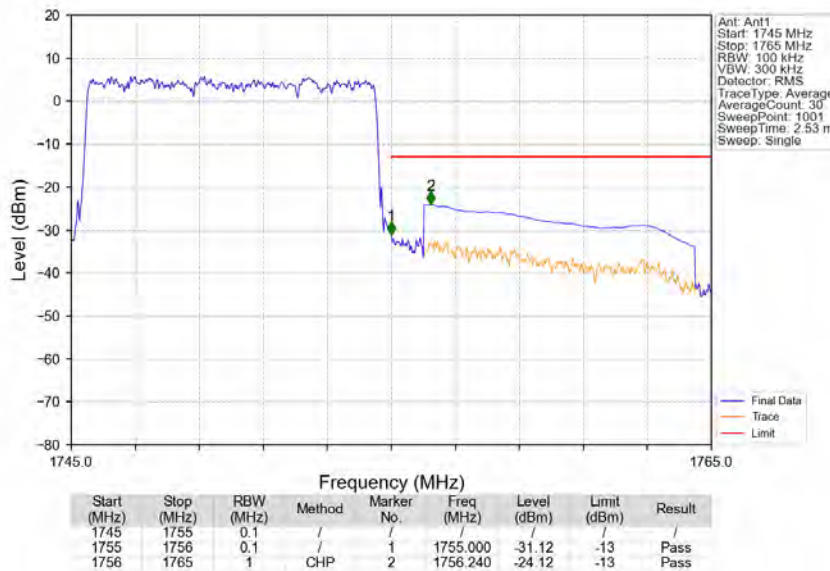
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Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_50\_0\_NTNV



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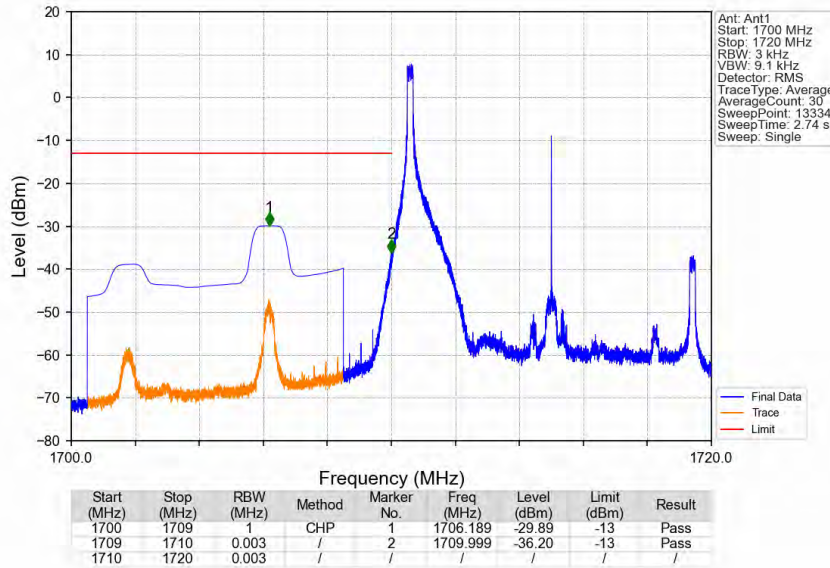
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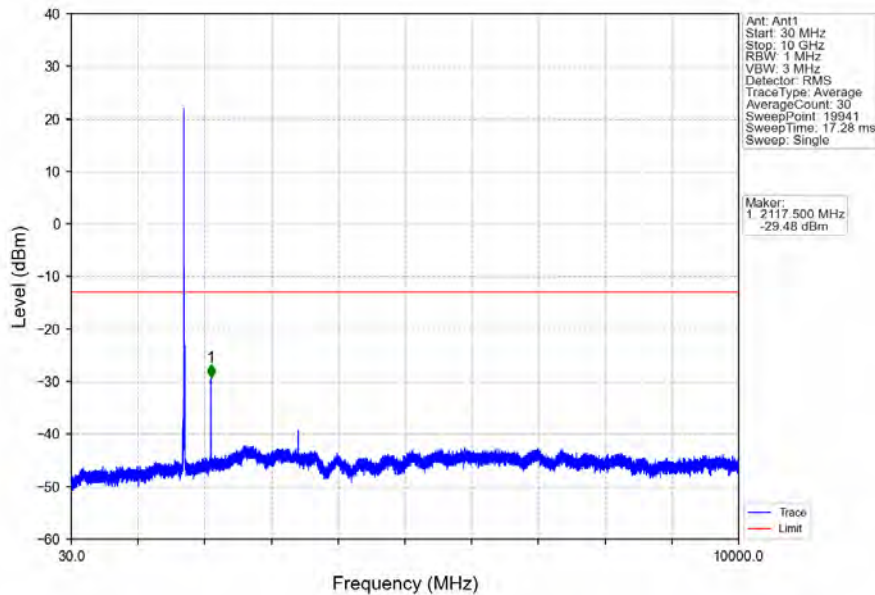
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Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV



Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV



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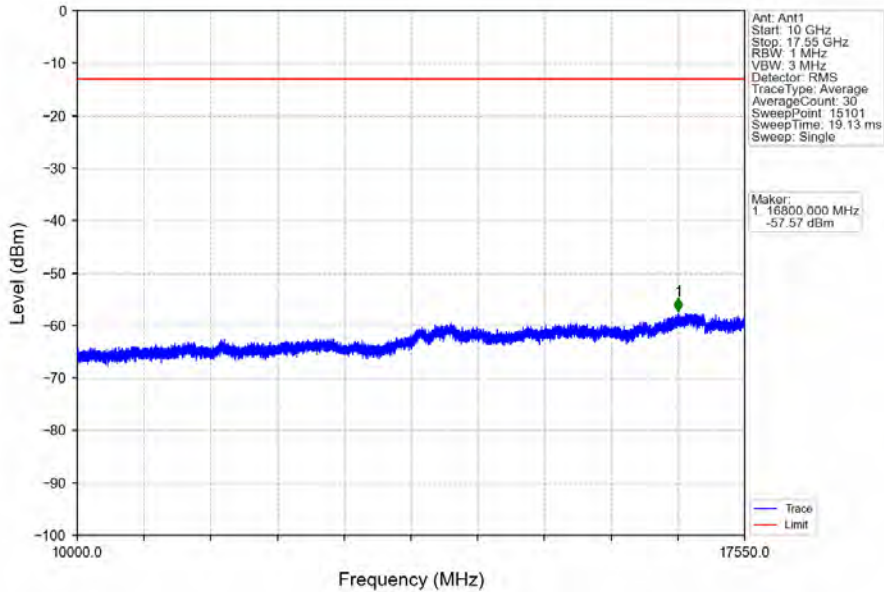
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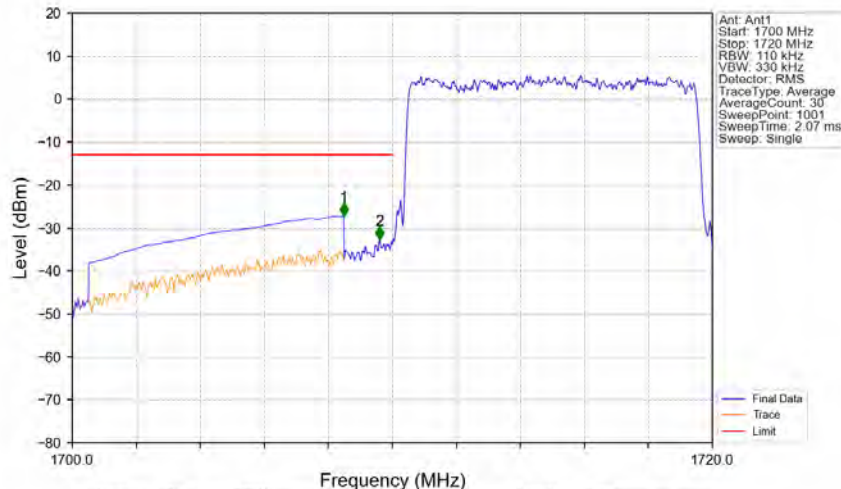
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Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV



Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-27.26	-13	Pass
1709	1710	0.11	/	2	1709.600	-32.77	-13	Pass
1710	1720	0.11	/	/	/	/	/	/



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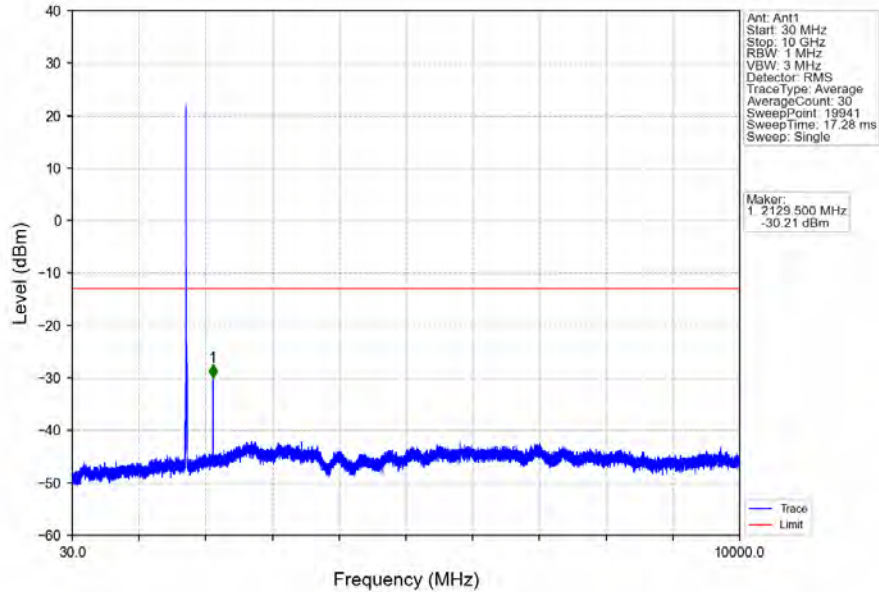




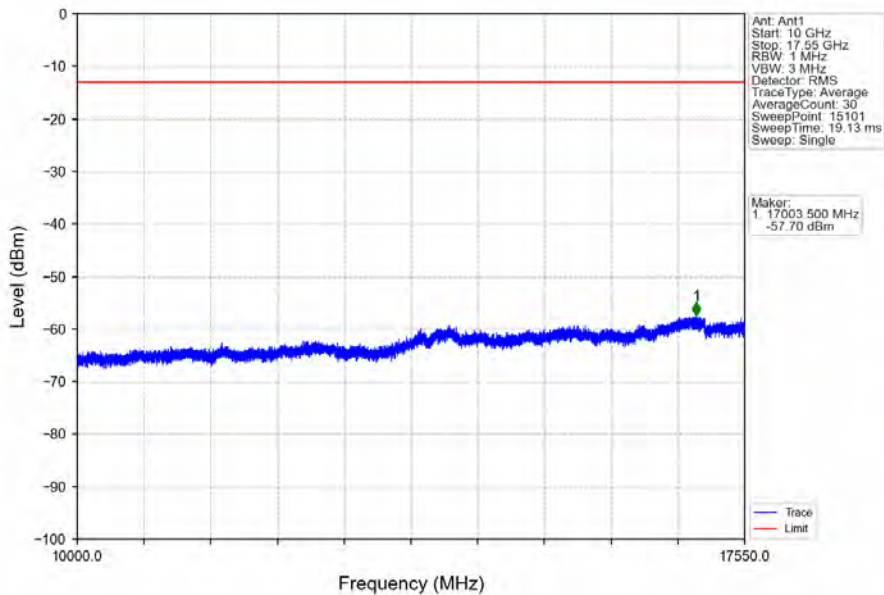
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Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



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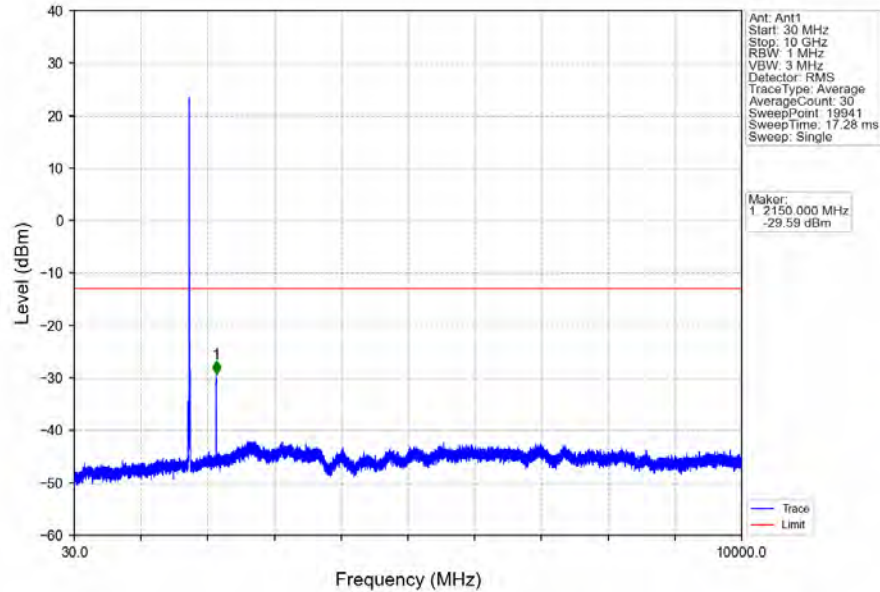
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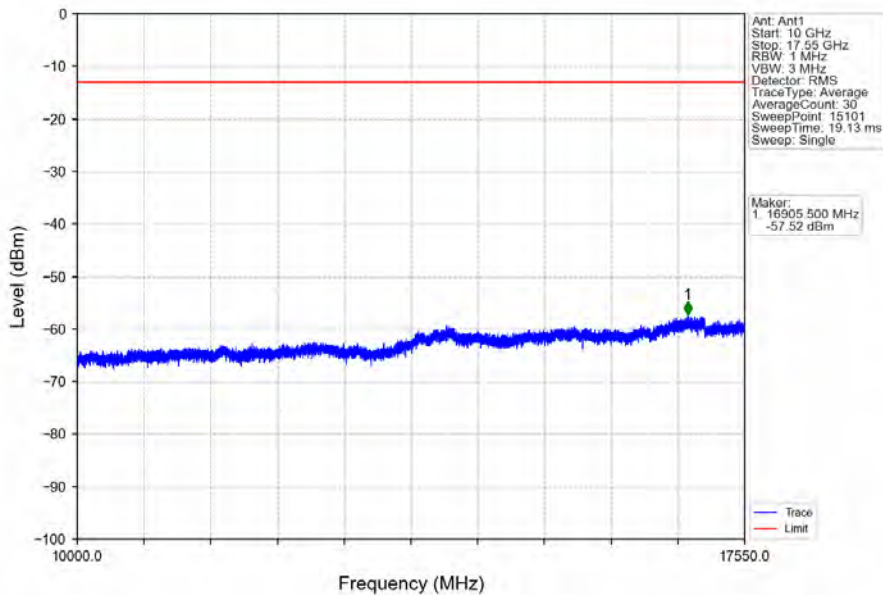
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Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_1\_0\_NTNV



Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_1\_0\_NTNV



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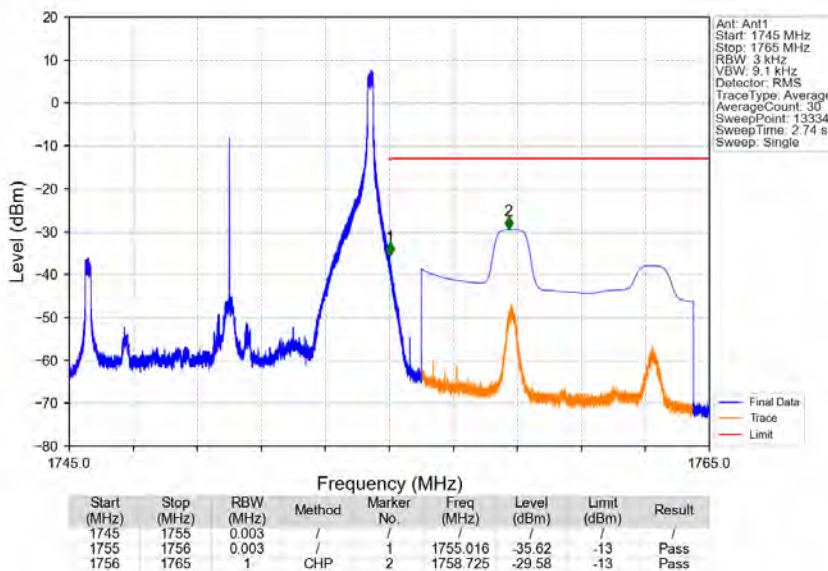
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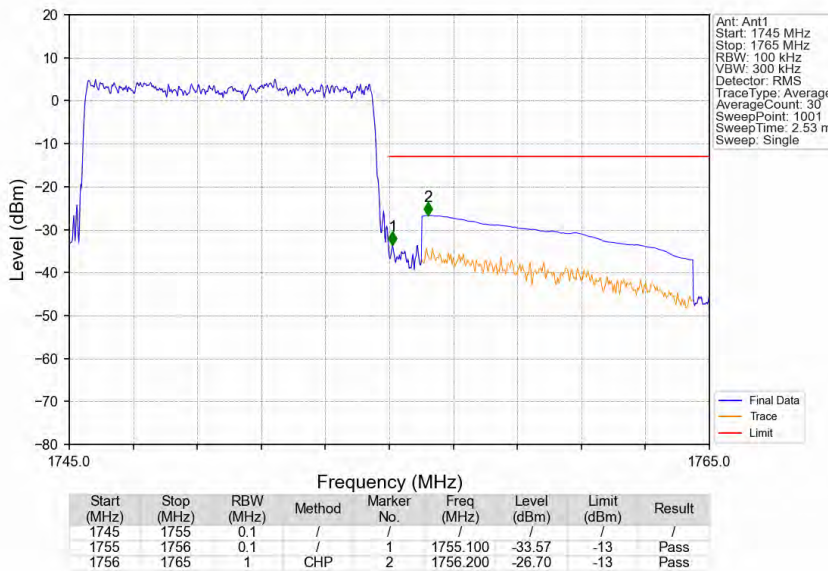
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Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_1\_49\_NTNV



Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_50\_0\_NTNV



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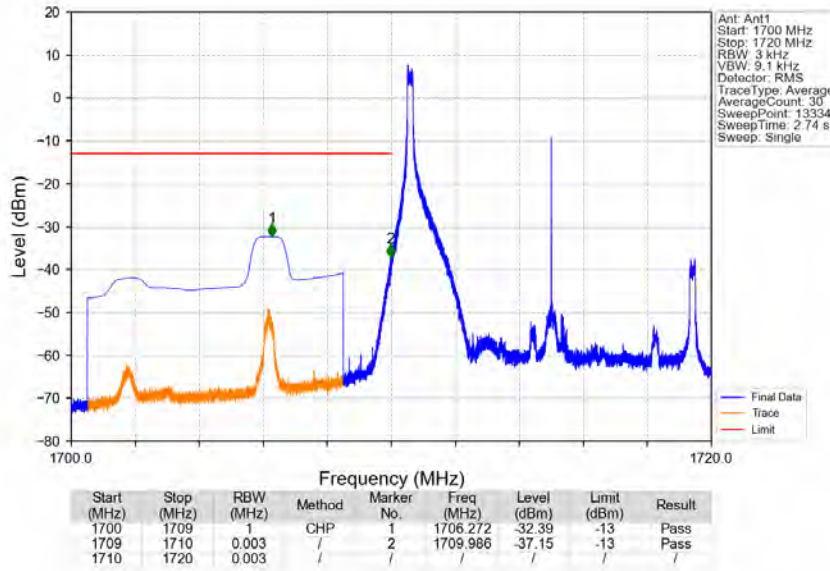




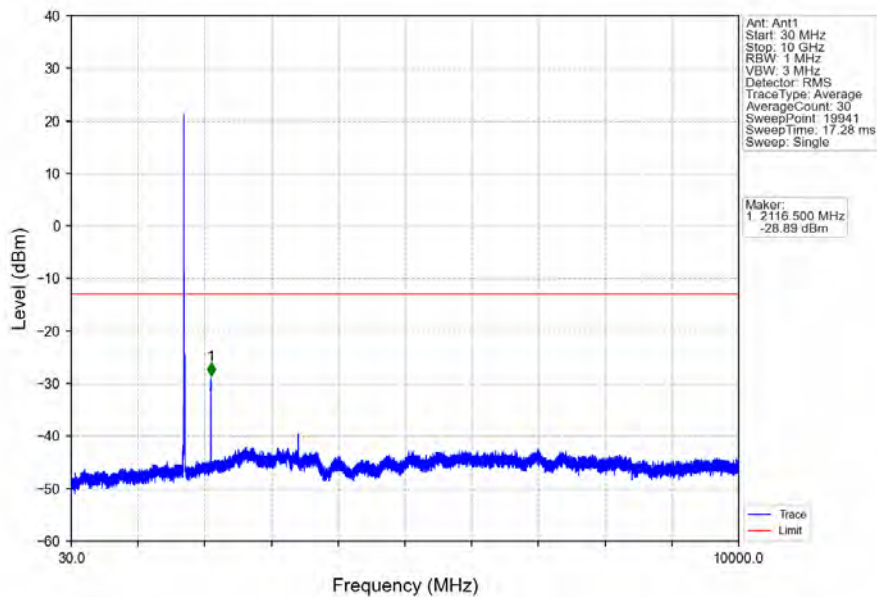
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Band4\_10MHz\_64QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV



Band4\_10MHz\_64QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV



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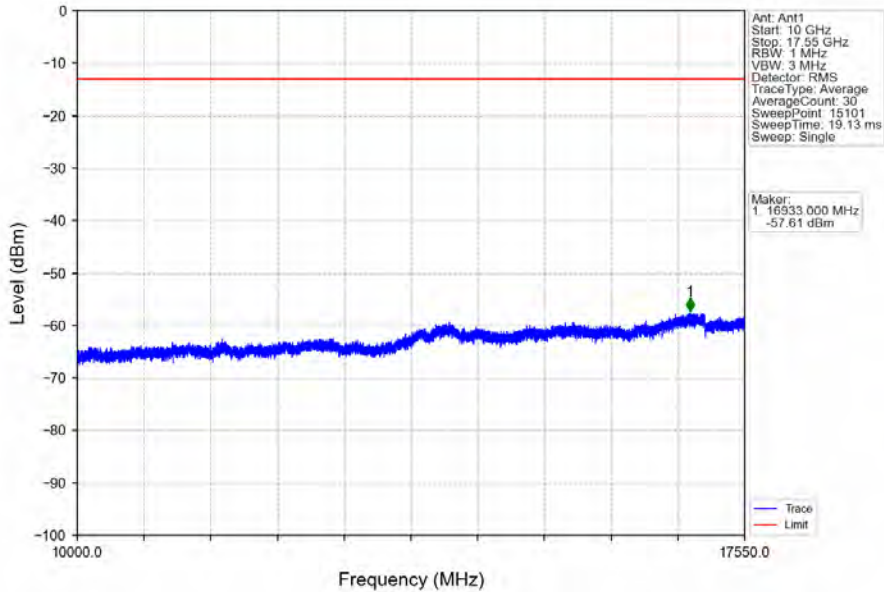
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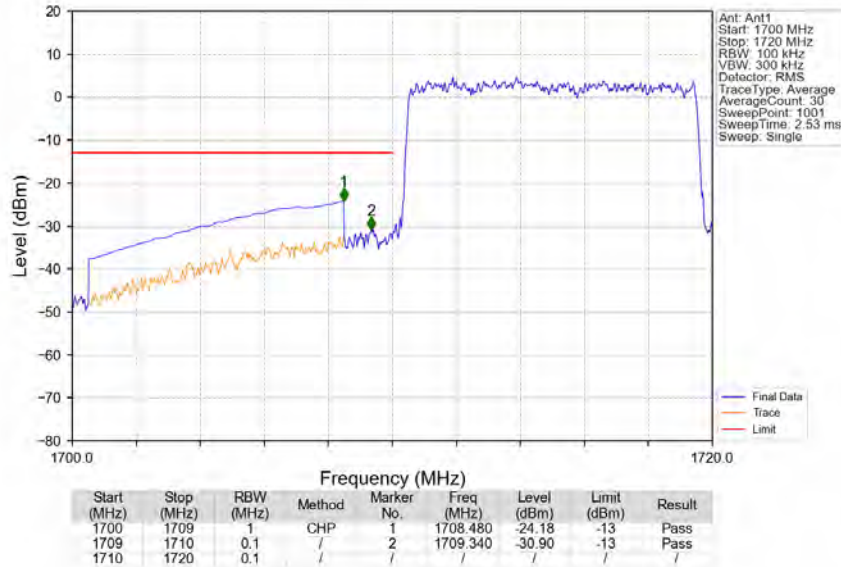
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Band4\_10MHz\_64QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV



Band4\_10MHz\_64QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV



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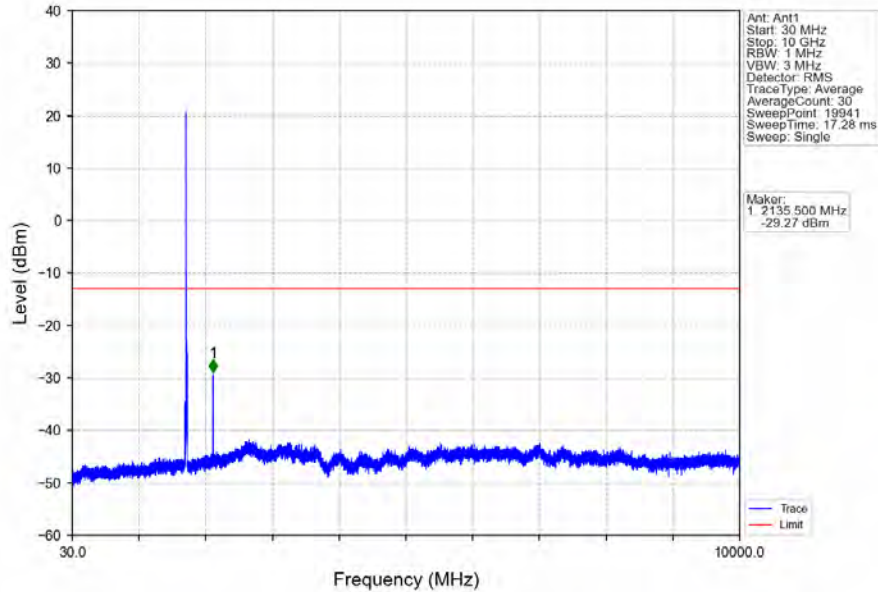
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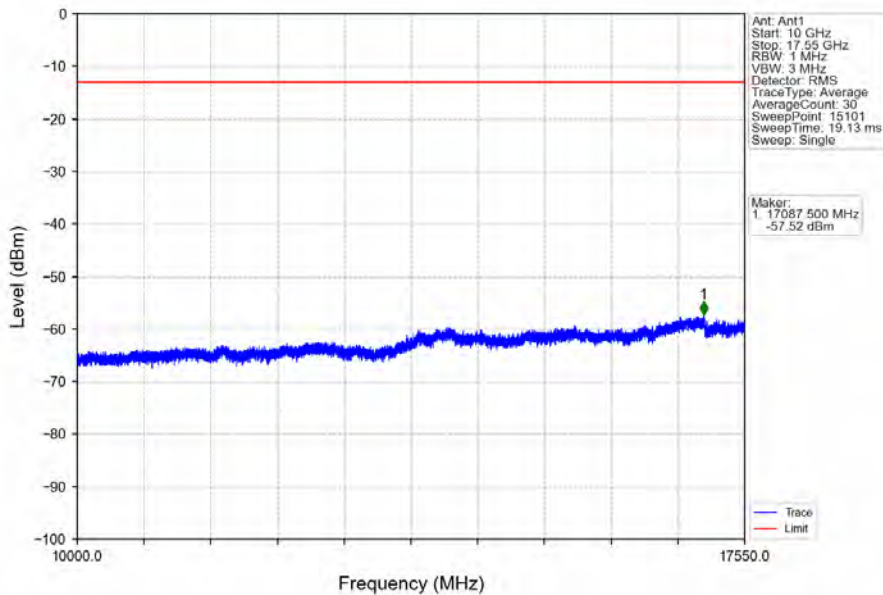
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Band4\_10MHz\_64QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



Band4\_10MHz\_64QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



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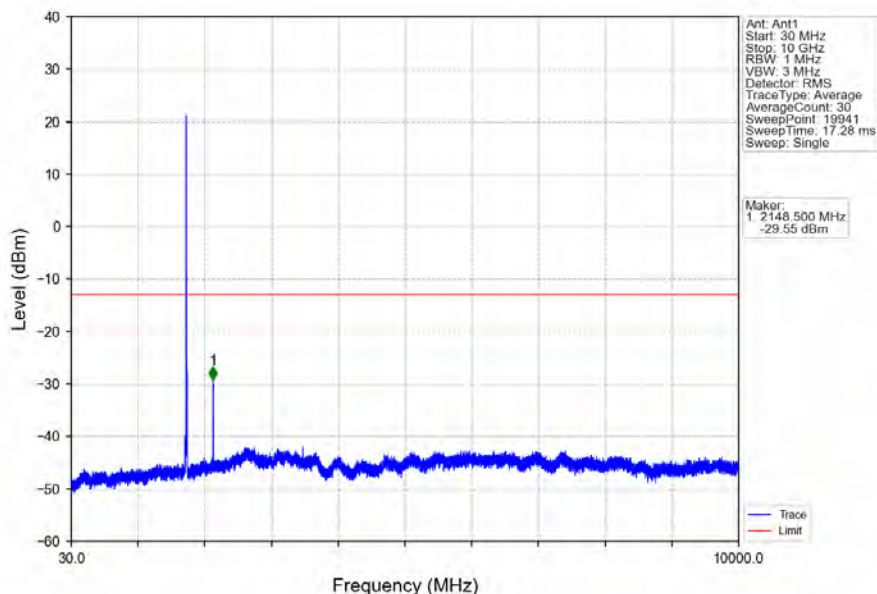




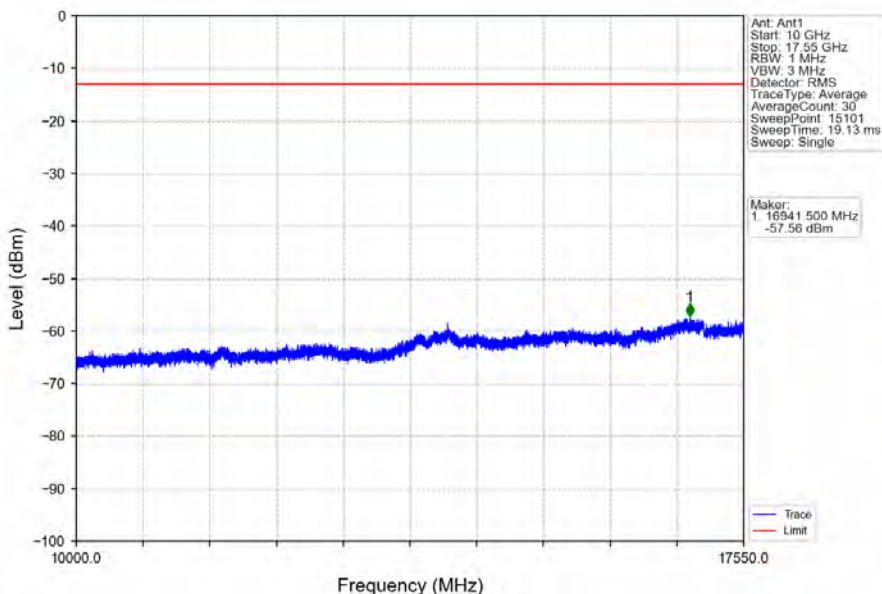
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Band4\_10MHz\_64QAM\_HCH\_1750MHz\_RB\_1\_0\_NTNV



Band4\_10MHz\_64QAM\_HCH\_1750MHz\_RB\_1\_0\_NTNV



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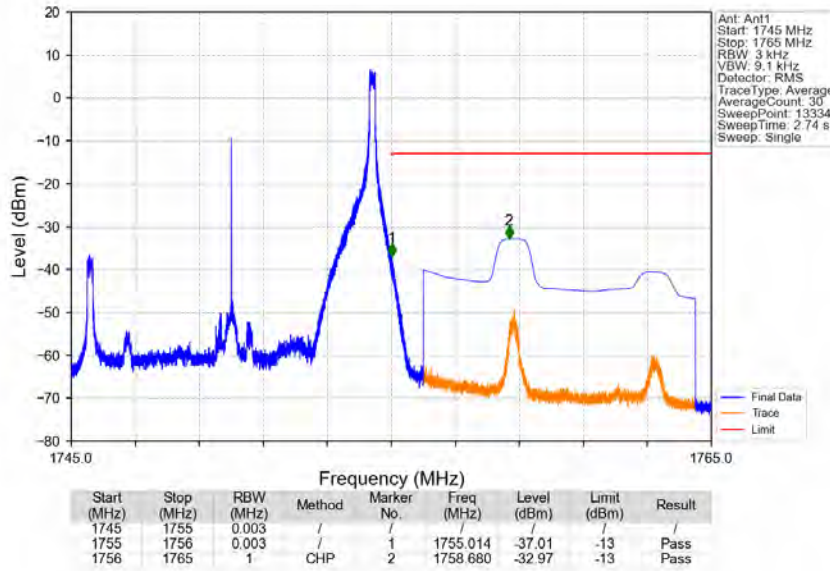
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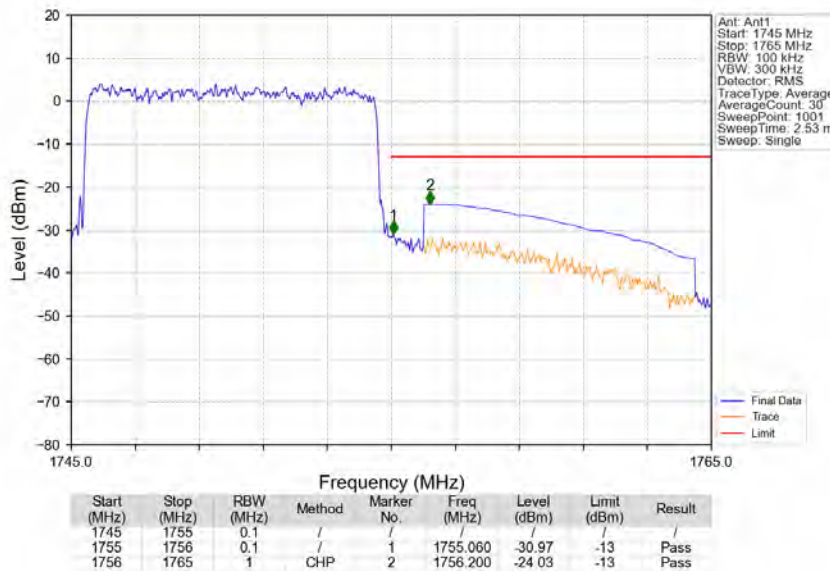
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Band4\_10MHz\_64QAM\_HCH\_1750MHz\_RB\_50\_0\_NTNV



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## 6.5 B4\_15MHz

### 6.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph	Pass	
		75	0	Refer To Test Graph	Pass	
	1732.5	1	0	Refer To Test Graph	Pass	
		1747.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass	
		75	0	Refer To Test Graph	Pass	
16QAM	1717.5	1	0	Refer To Test Graph	Pass	
		75	0	Refer To Test Graph	Pass	
	1732.5	1	0	Refer To Test Graph	Pass	
		1747.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass	
		75	0	Refer To Test Graph	Pass	
64QAM	1717.5	1	0	Refer To Test Graph	Pass	
		75	0	Refer To Test Graph	Pass	
	1732.5	1	0	Refer To Test Graph	Pass	
		1747.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass	
		75	0	Refer To Test Graph	Pass	



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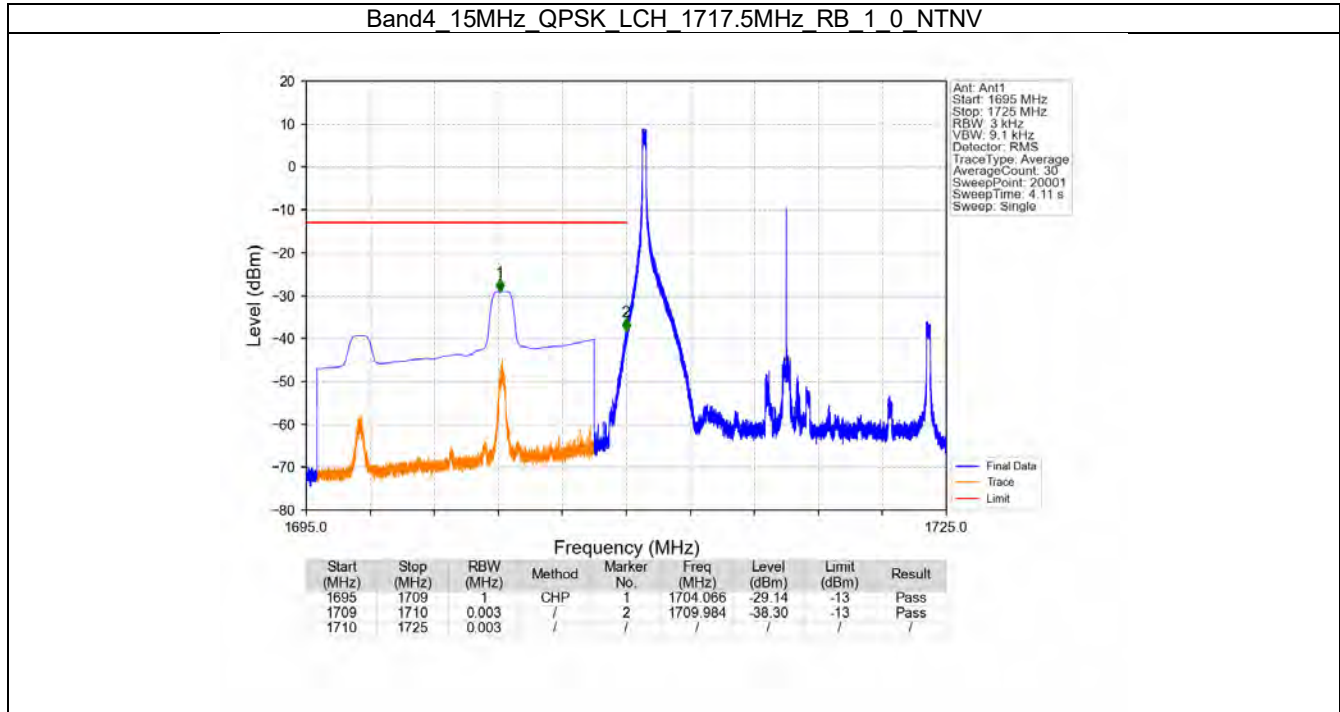




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6.5.2 Test Graph



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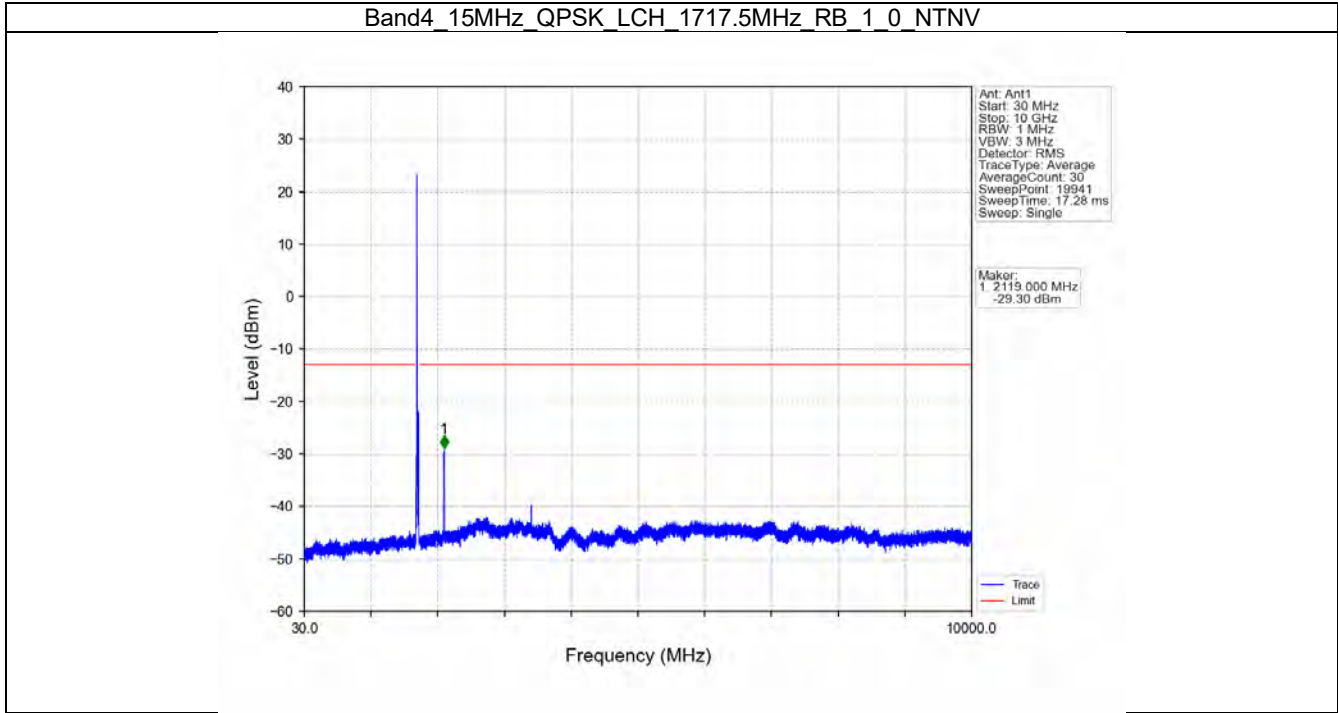
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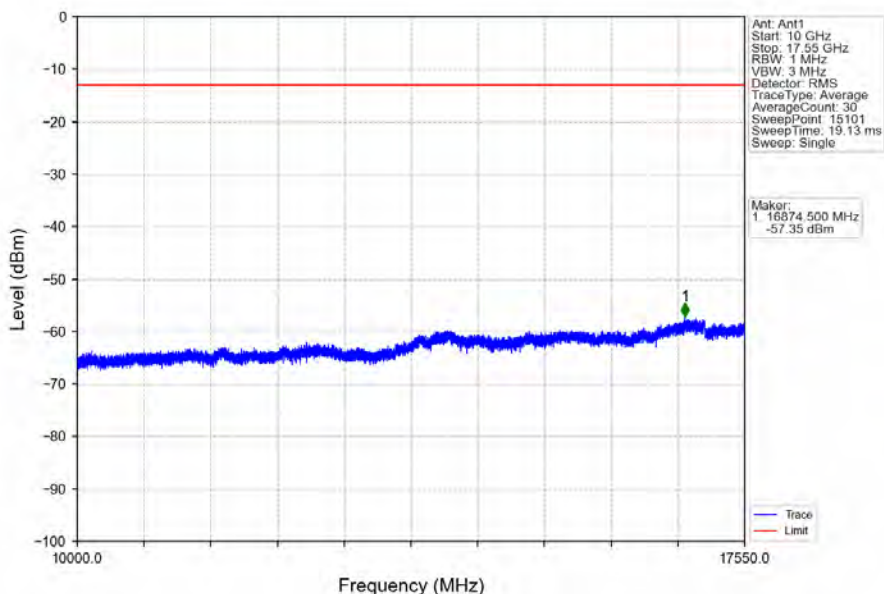
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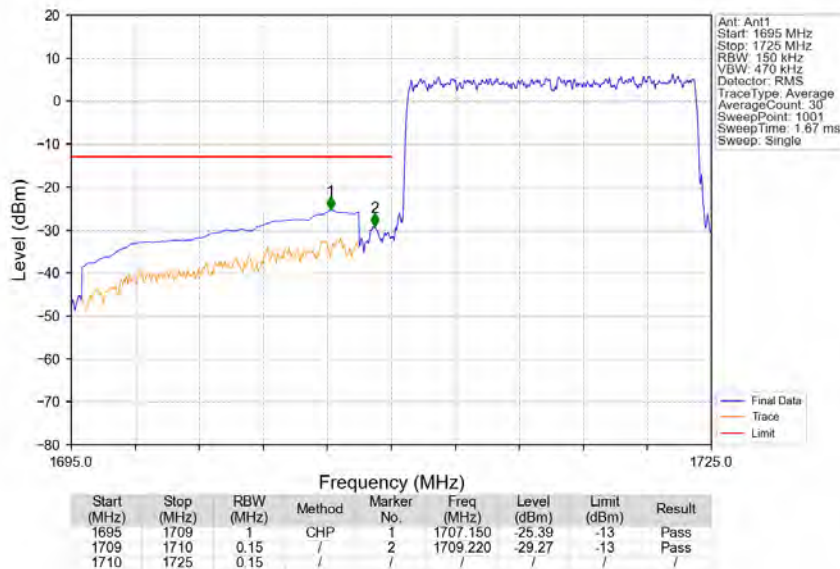
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Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV



Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



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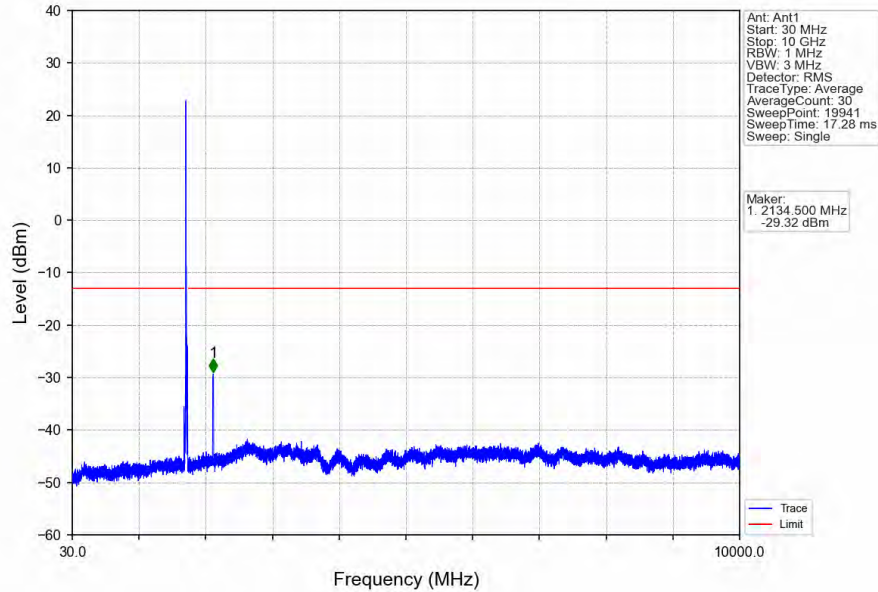




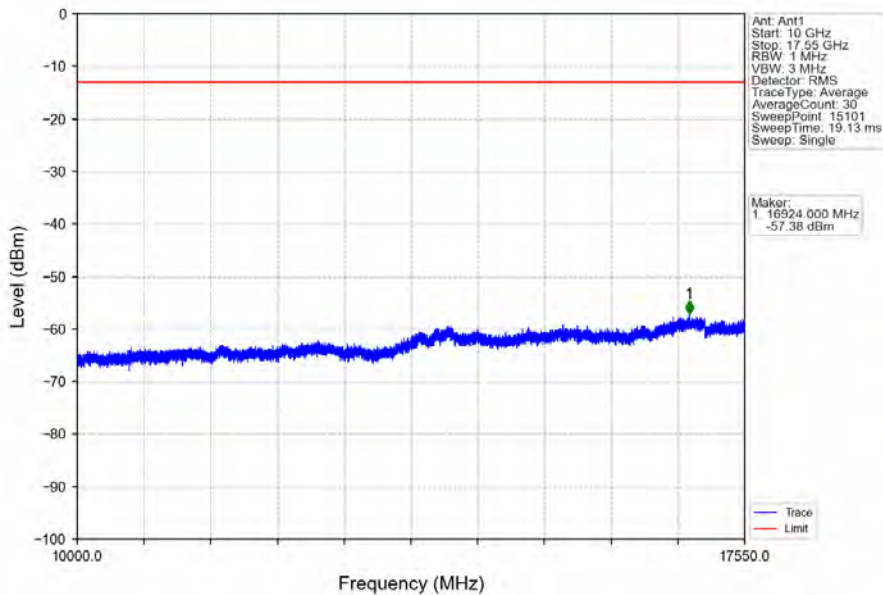
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Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



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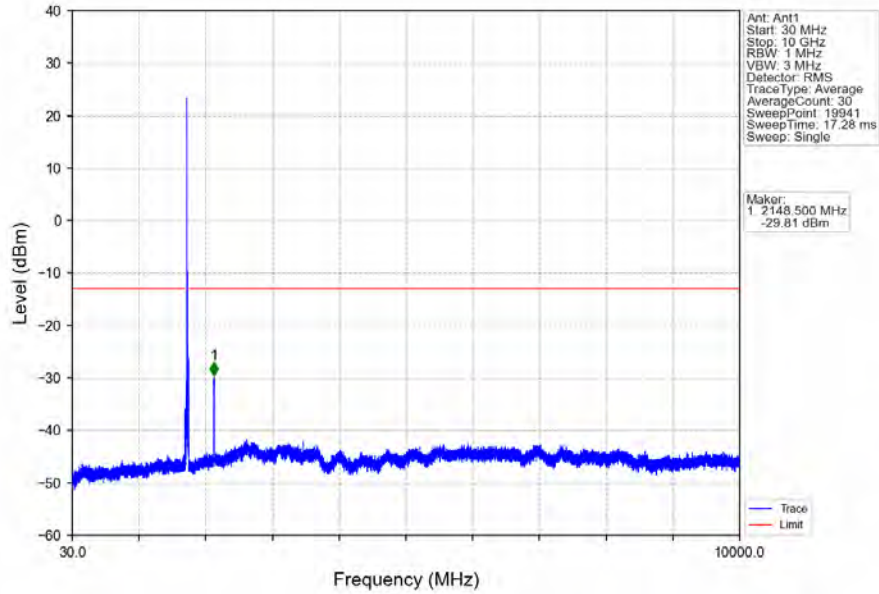
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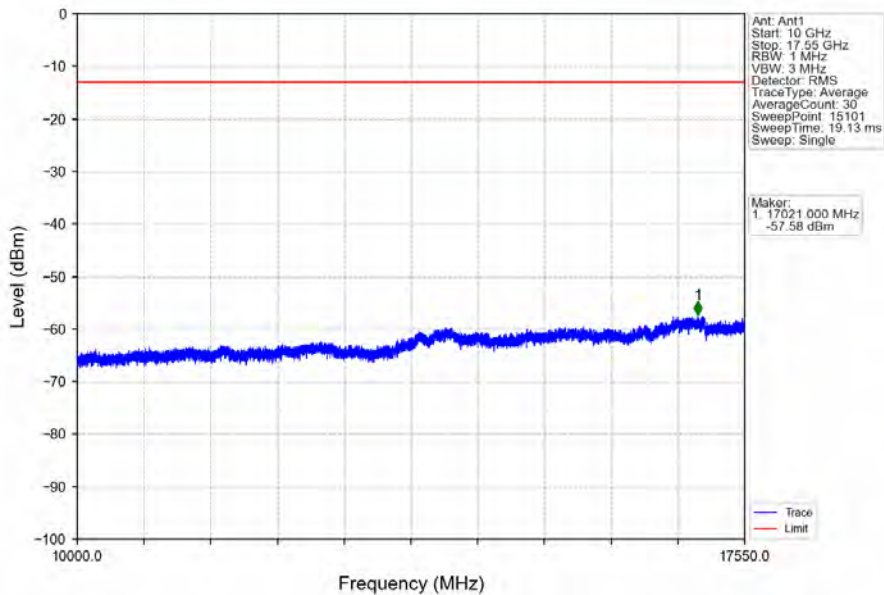
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Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV



Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV



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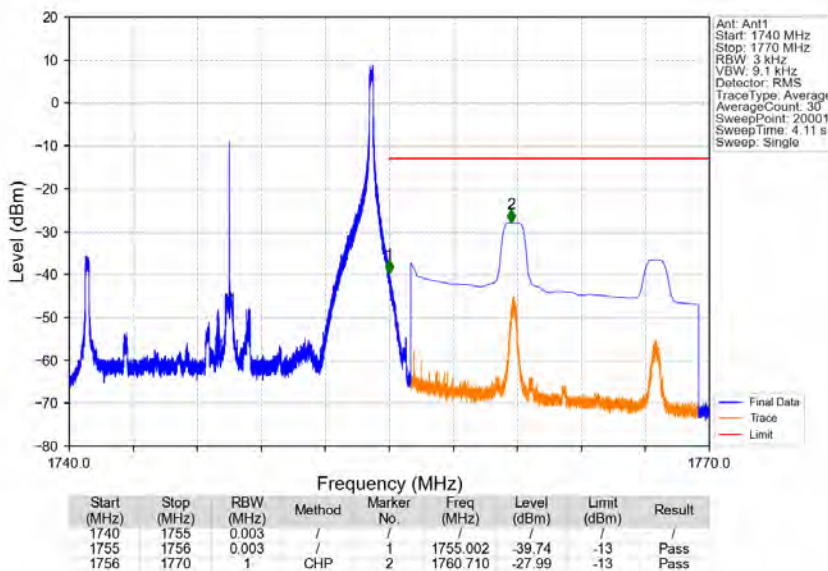
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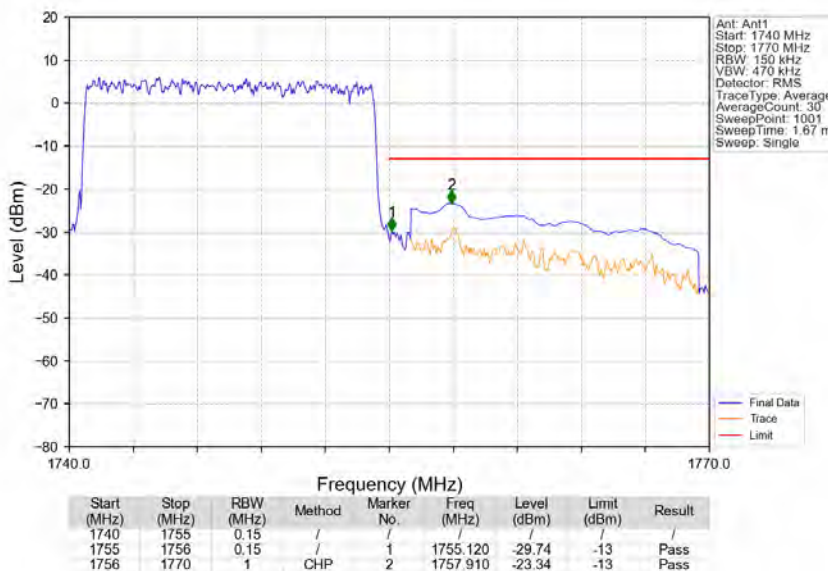
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Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_1\_74\_NTNV



Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



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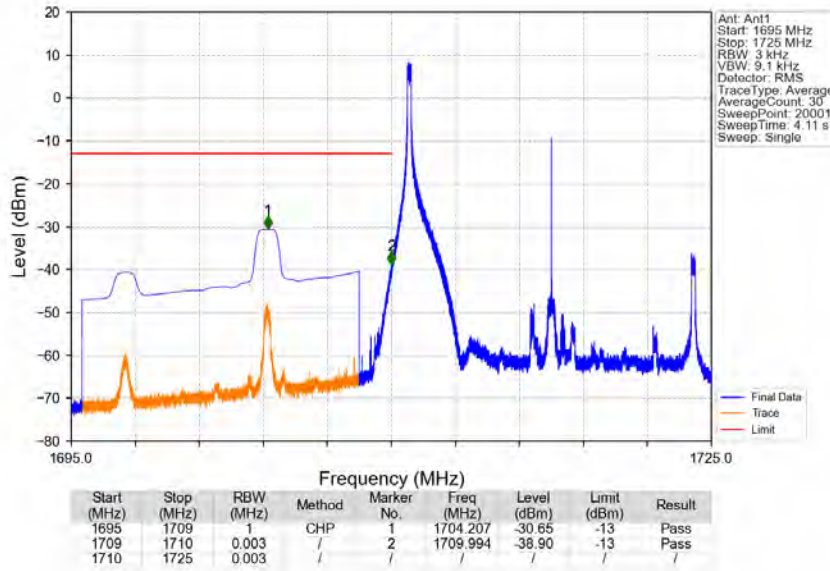




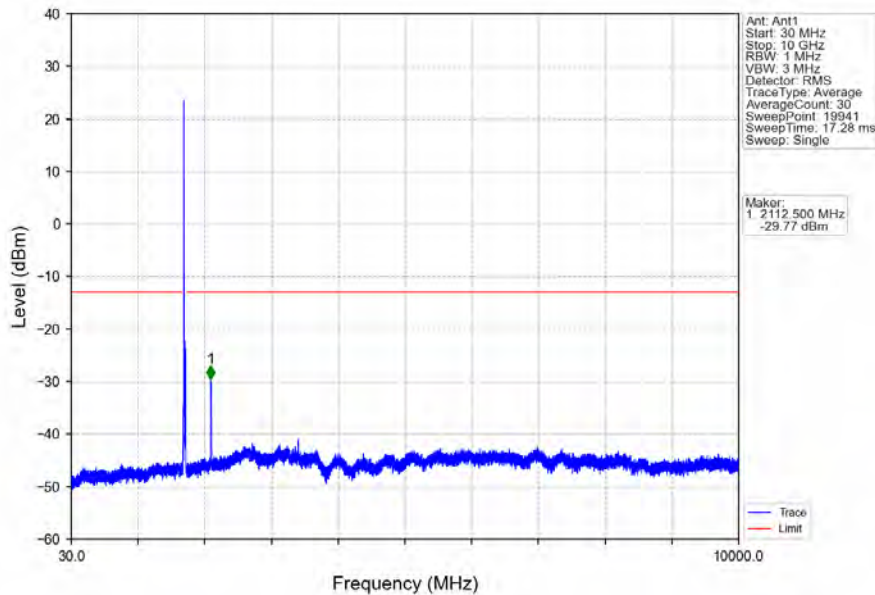
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Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV



Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV



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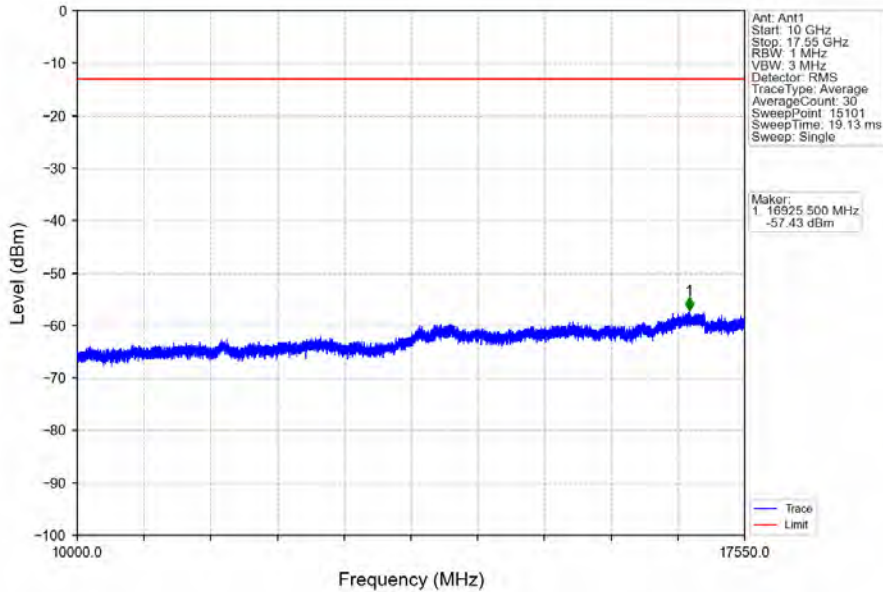
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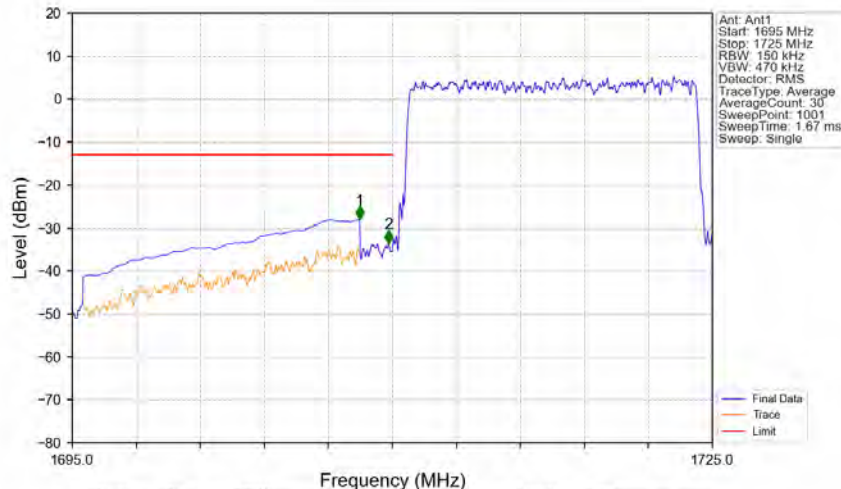
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Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV



Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.470	-28.05	-13	Pass
1709	1710	0.15	/	2	1709.820	-33.52	-13	Pass
1710	1725	0.15	/	/	/	/	/	/



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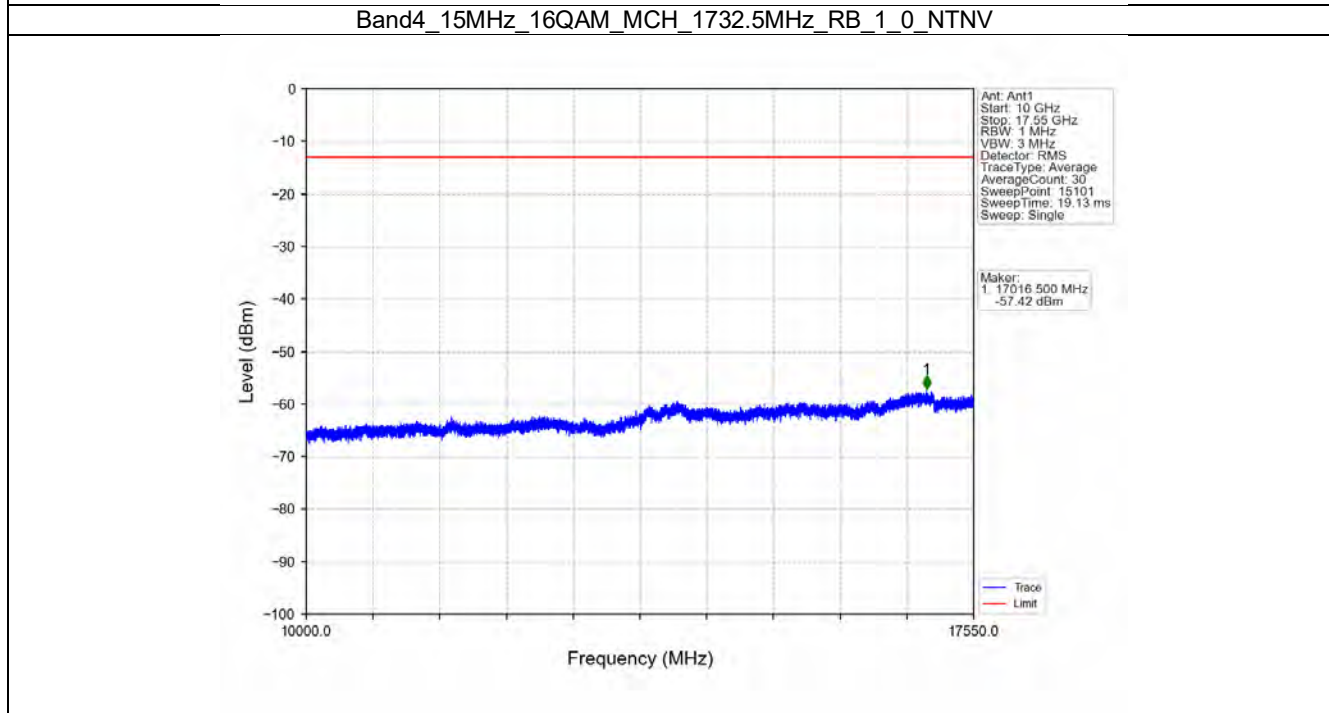
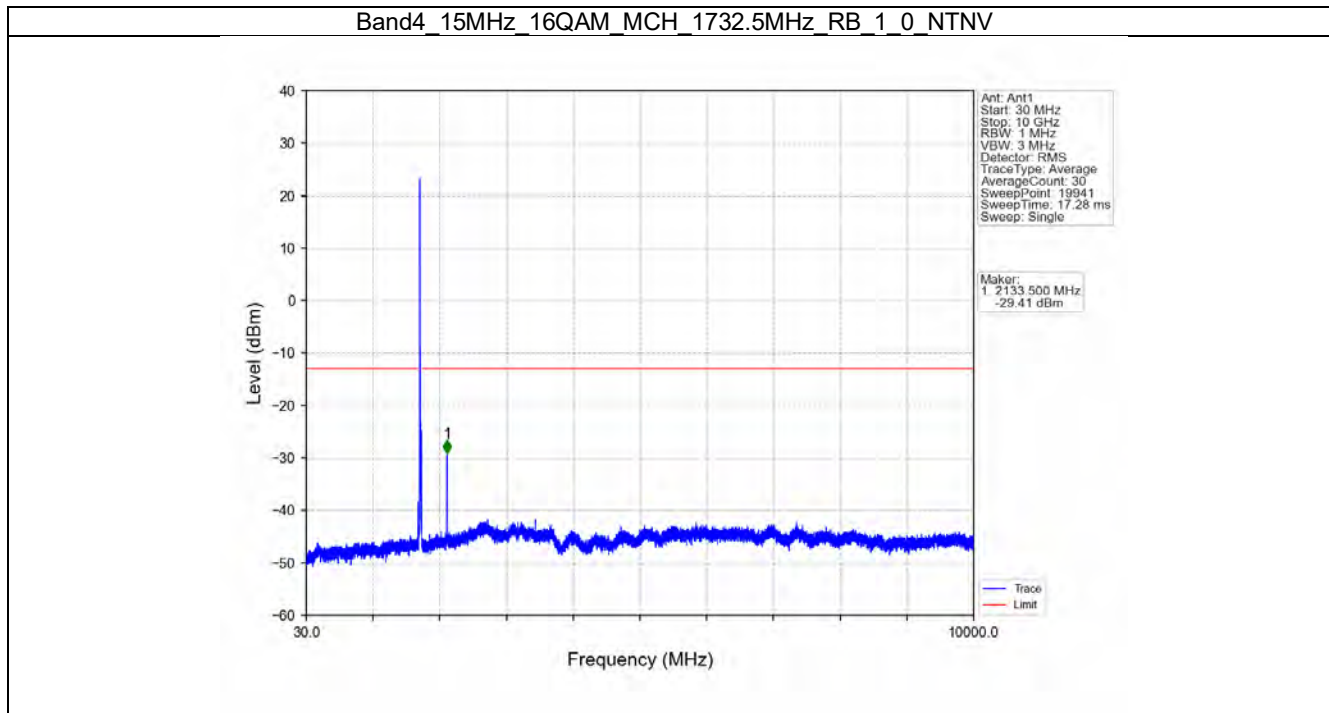


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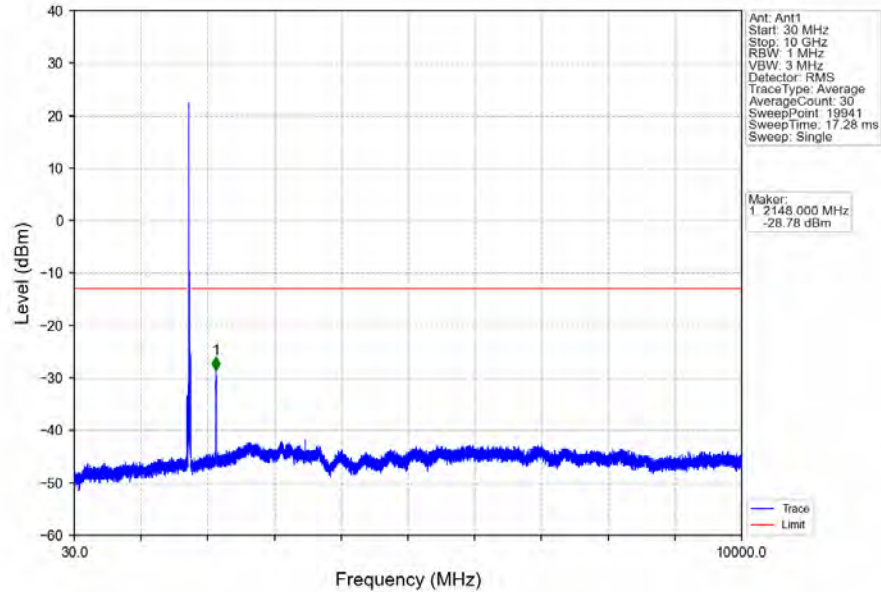




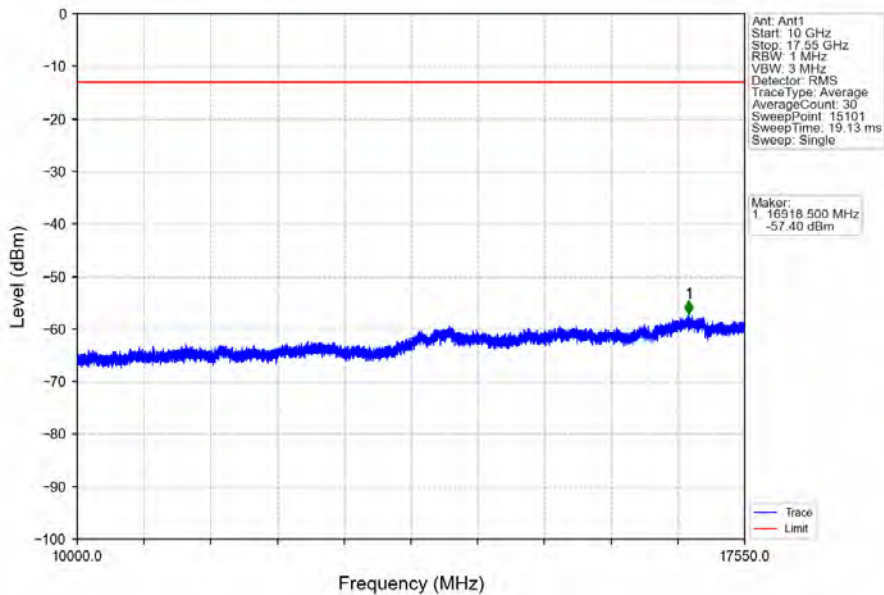
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Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV



Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV



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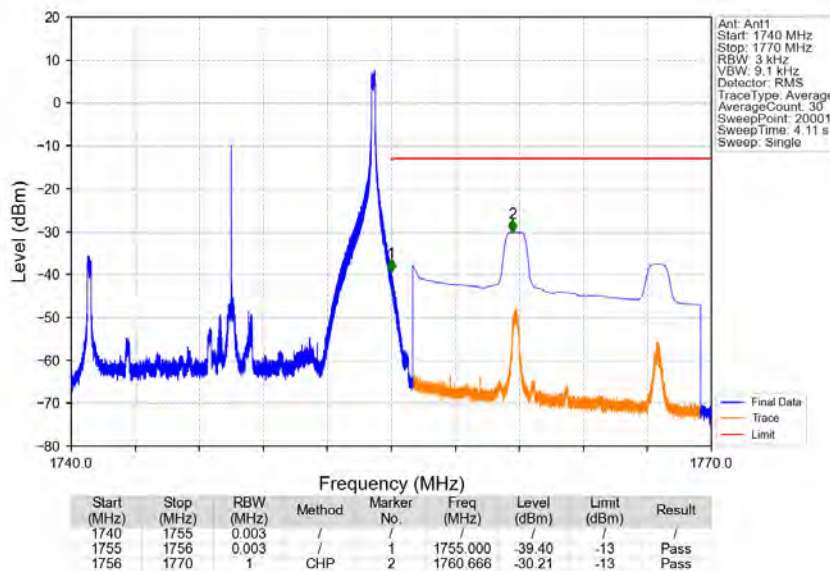
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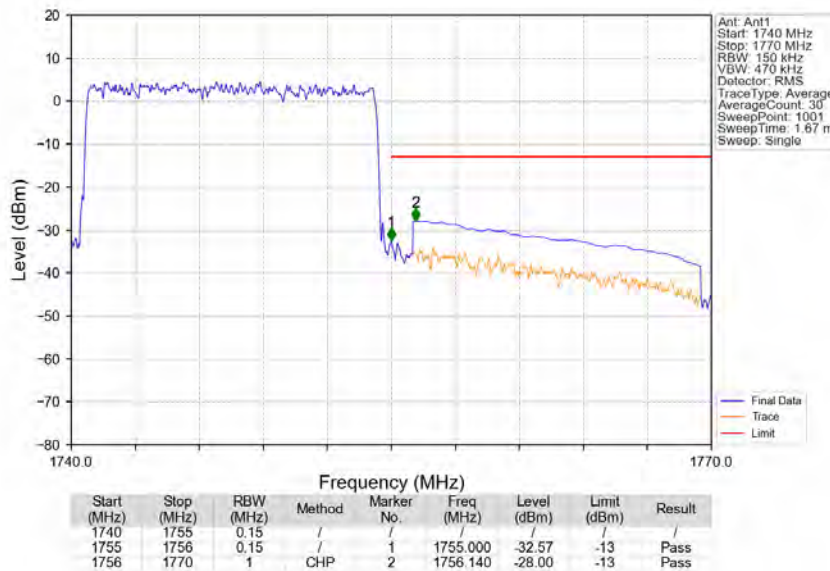
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Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_1\_74\_NTNV



Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



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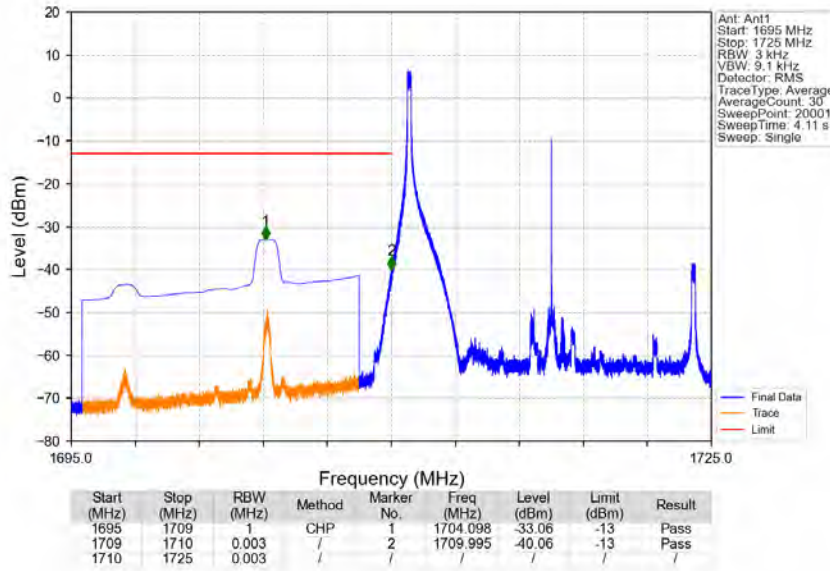
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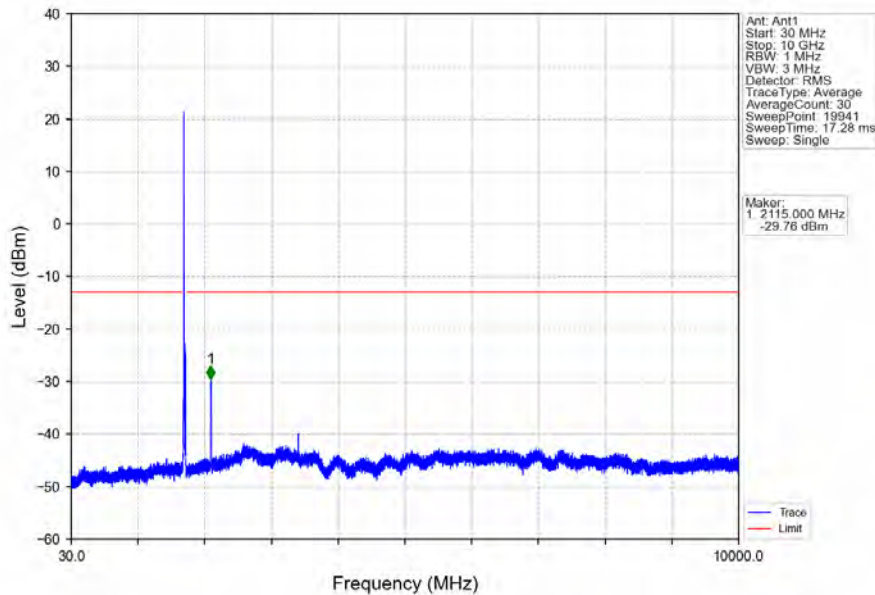
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Band4\_15MHz\_64QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV



Band4\_15MHz\_64QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV



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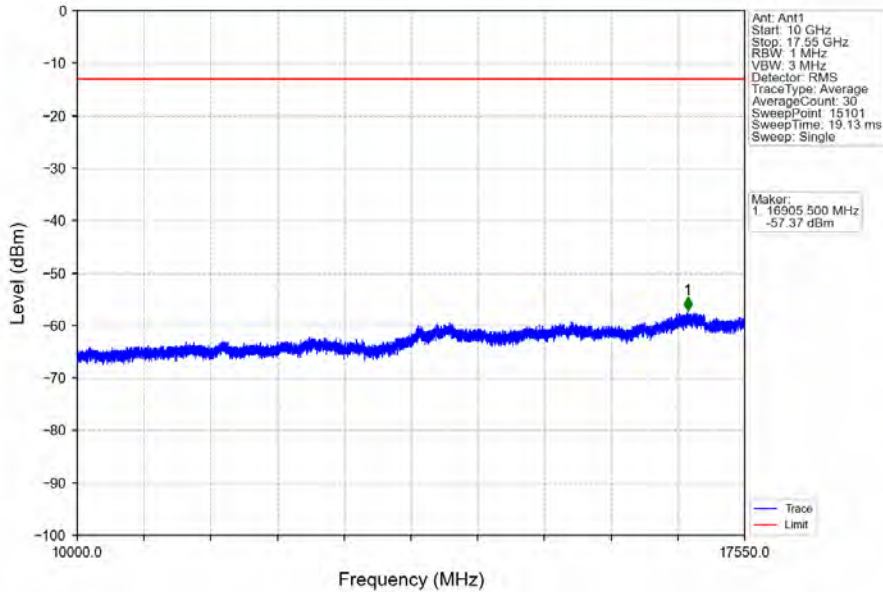




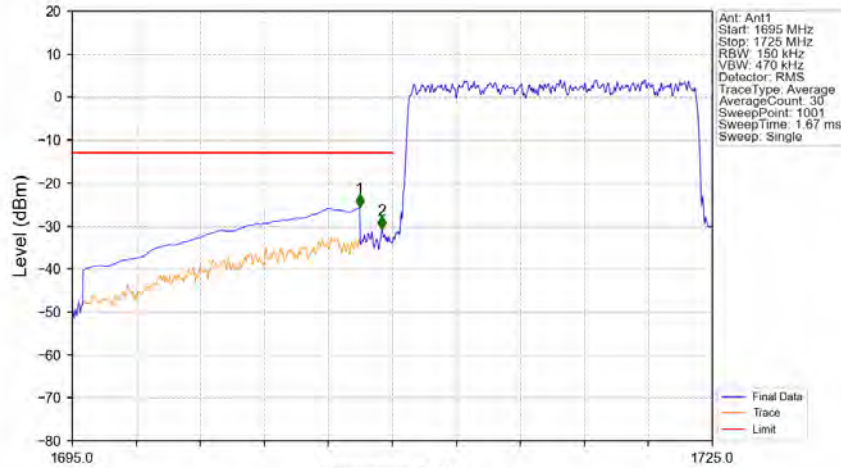
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Band4\_15MHz\_64QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.470	-25.74	-13	Pass
1709	1710	0.15	/	2	1709.520	-30.83	-13	Pass
1710	1725	0.15	/	/	/	/	/	/



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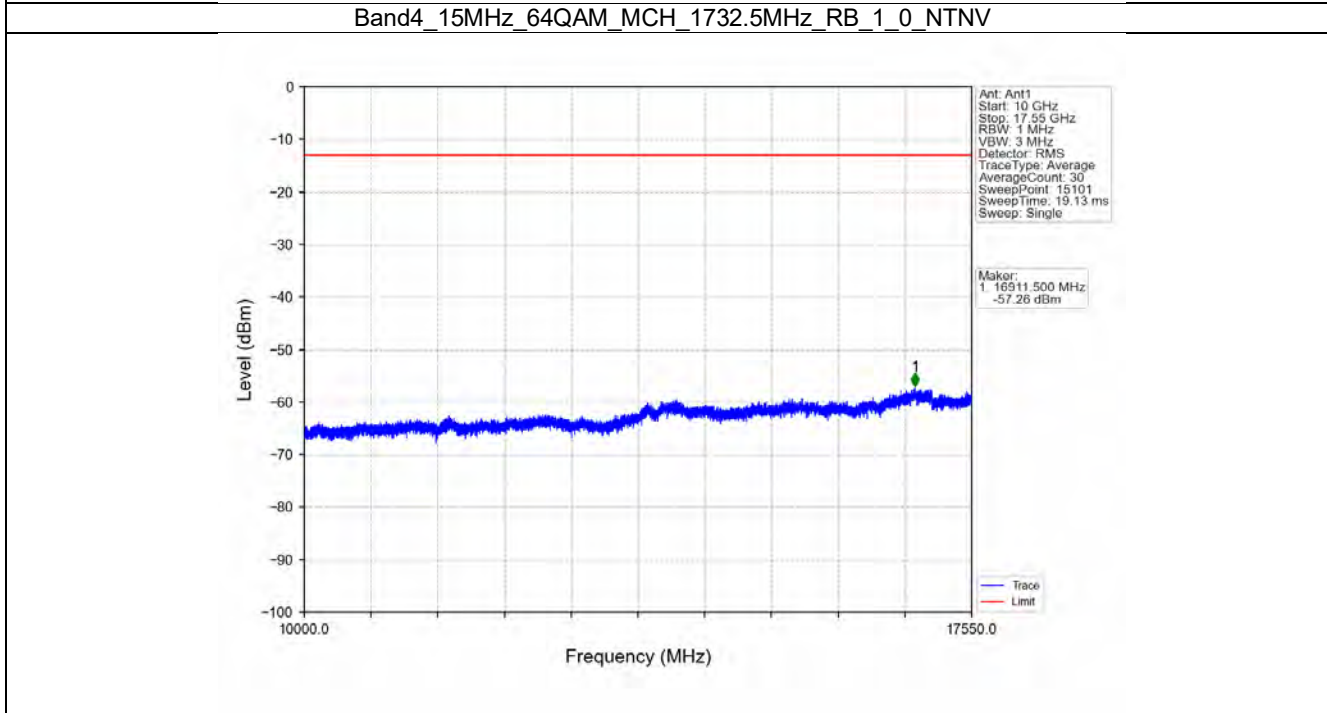
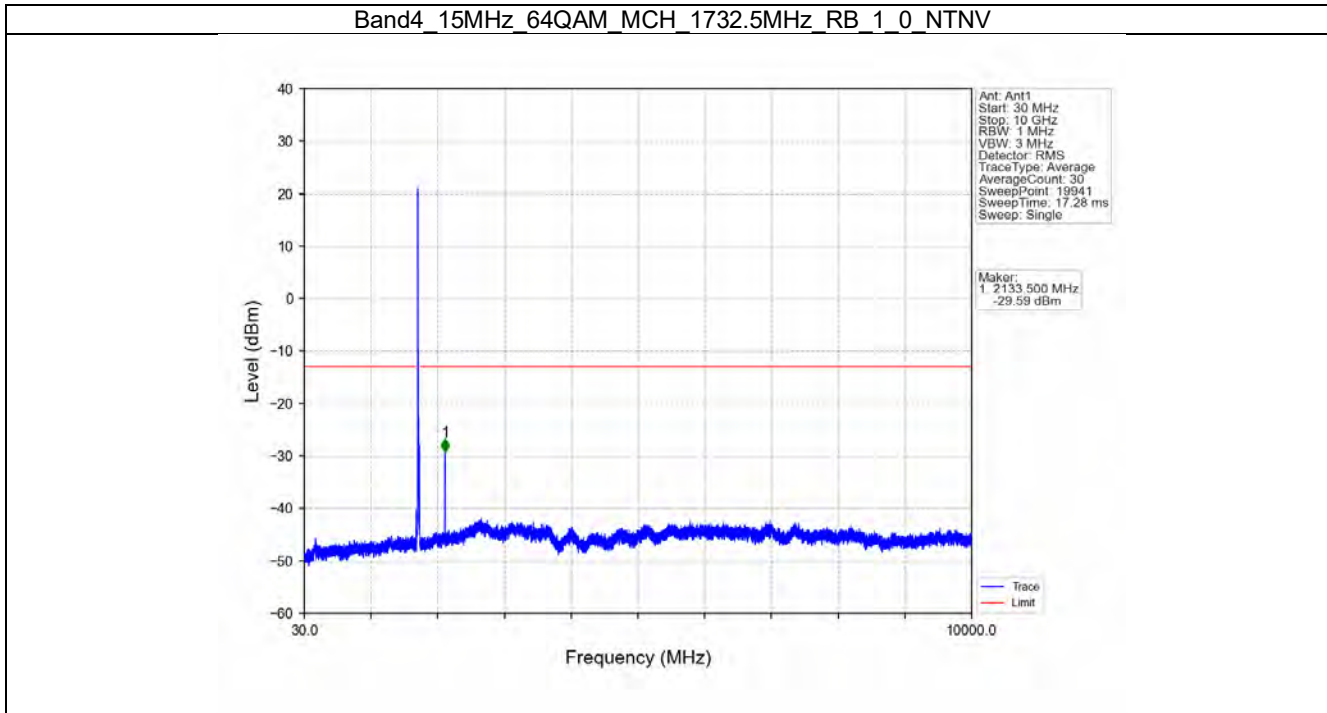
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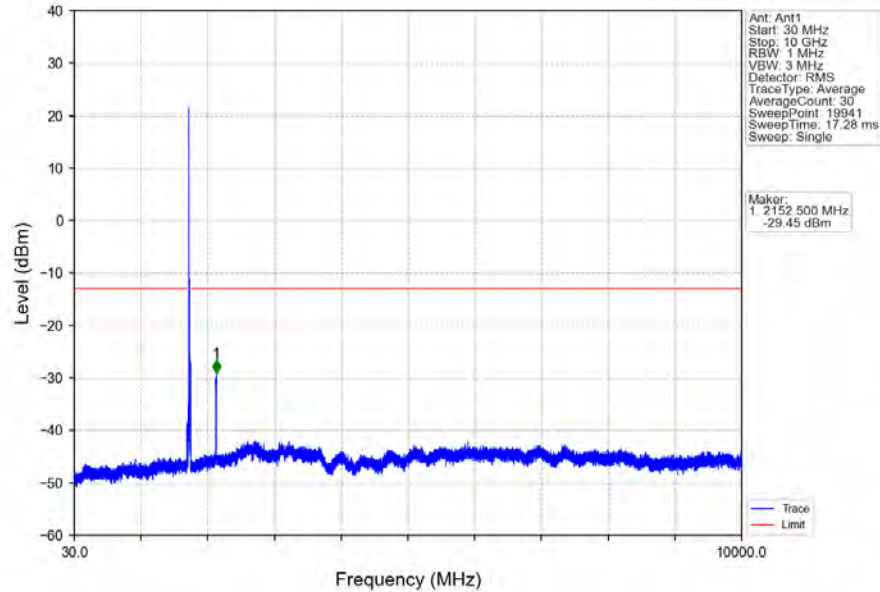
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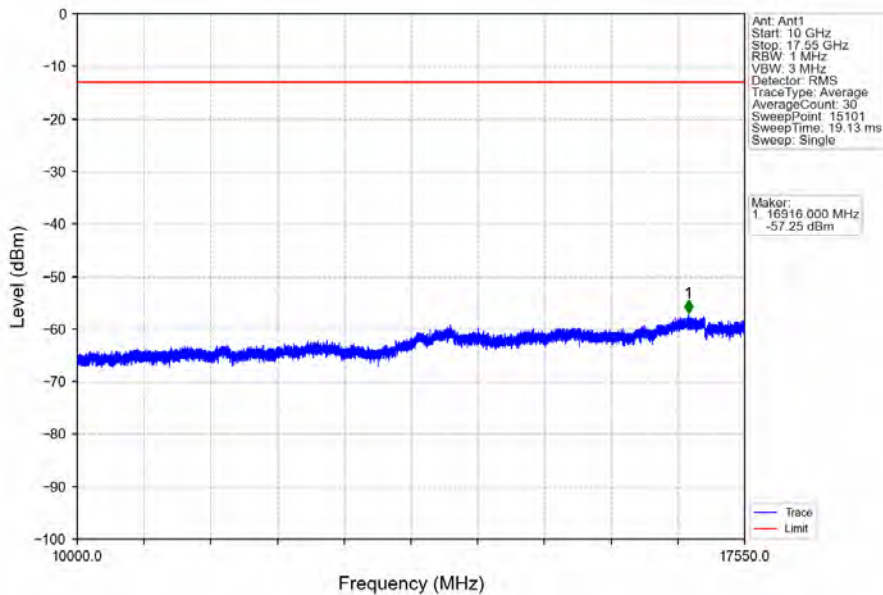
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Band4\_15MHz\_64QAM\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV



Band4\_15MHz\_64QAM\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV



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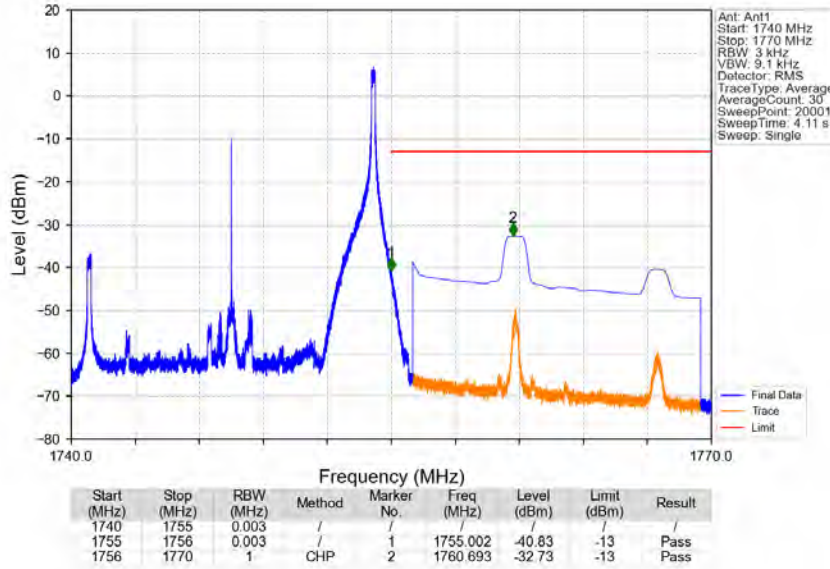




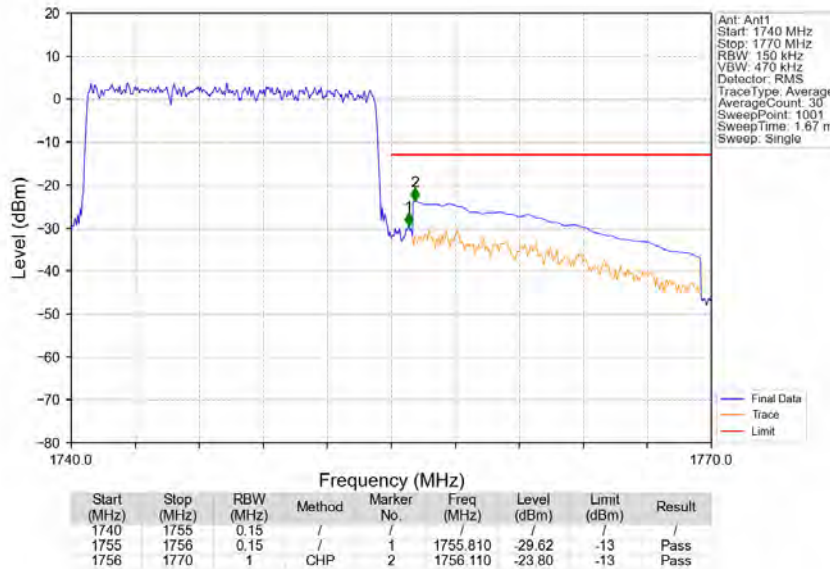
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Band4\_15MHz\_64QAM\_HCH\_1747.5MHz\_RB\_1\_74\_NTNV



Band4\_15MHz\_64QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



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## 6.6 B4\_20MHz

### 6.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph	Pass	
		100	0	Refer To Test Graph	Pass	
	1732.5	1	0	Refer To Test Graph	Pass	
		1745	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass	
		100	0	Refer To Test Graph	Pass	
16QAM	1720	1	0	Refer To Test Graph	Pass	
		100	0	Refer To Test Graph	Pass	
	1732.5	1	0	Refer To Test Graph	Pass	
		1745	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass	
		100	0	Refer To Test Graph	Pass	
64QAM	1720	1	0	Refer To Test Graph	Pass	
		100	0	Refer To Test Graph	Pass	
	1732.5	1	0	Refer To Test Graph	Pass	
		1745	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass	
		100	0	Refer To Test Graph	Pass	



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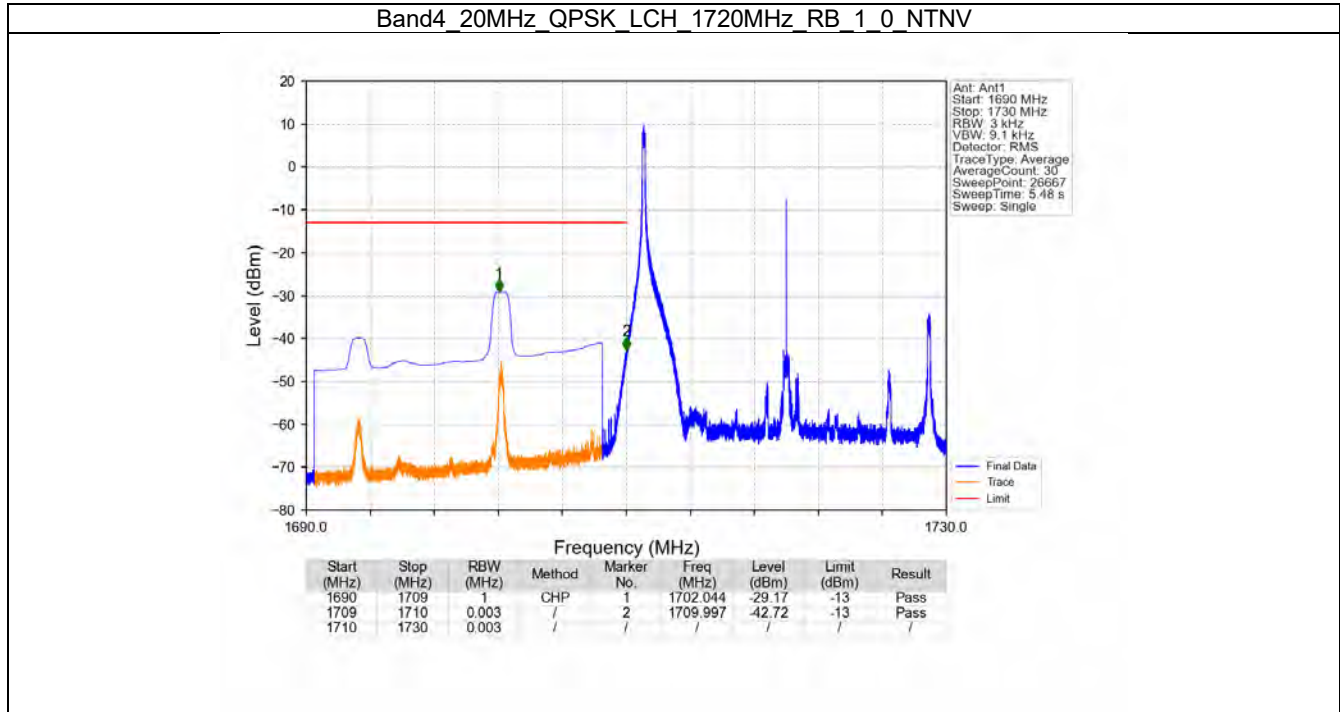
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6.6.2 Test Graph



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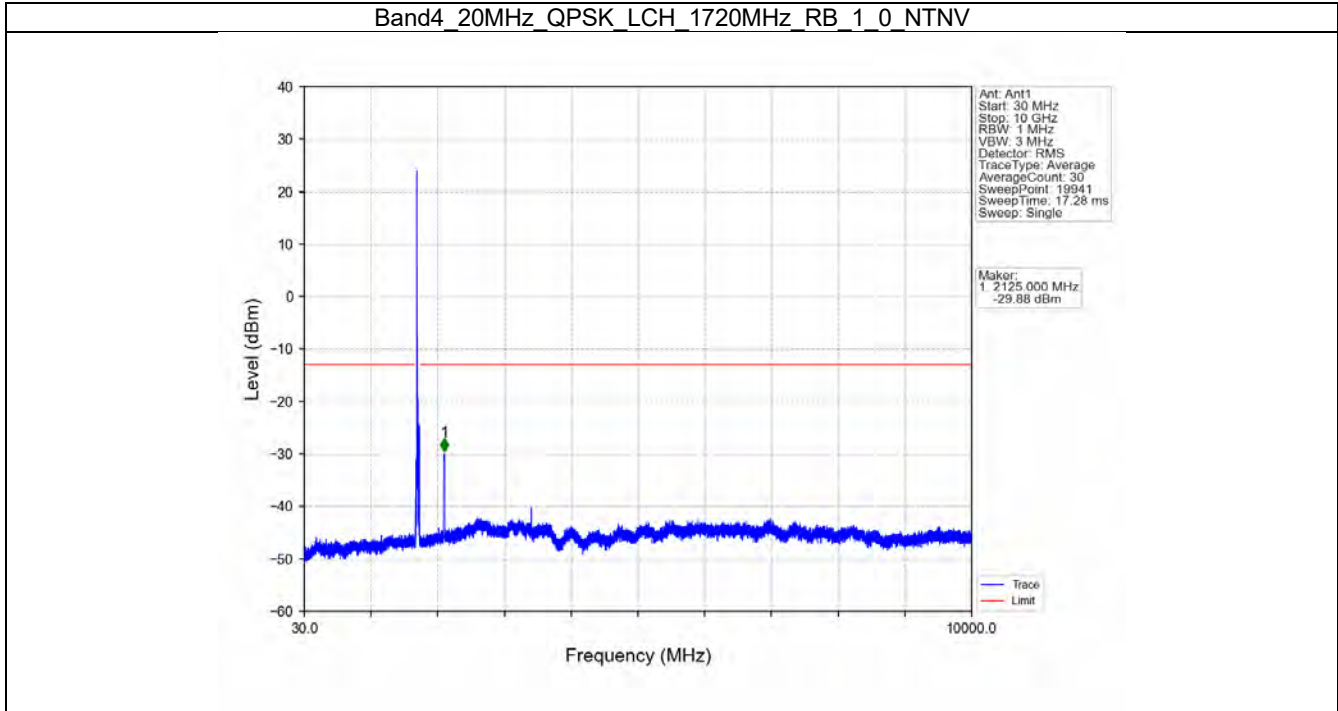
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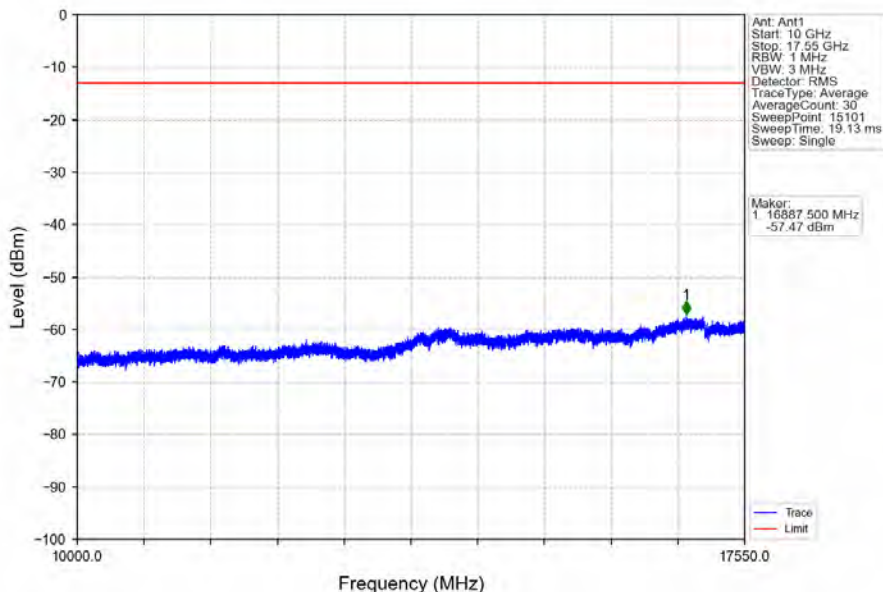
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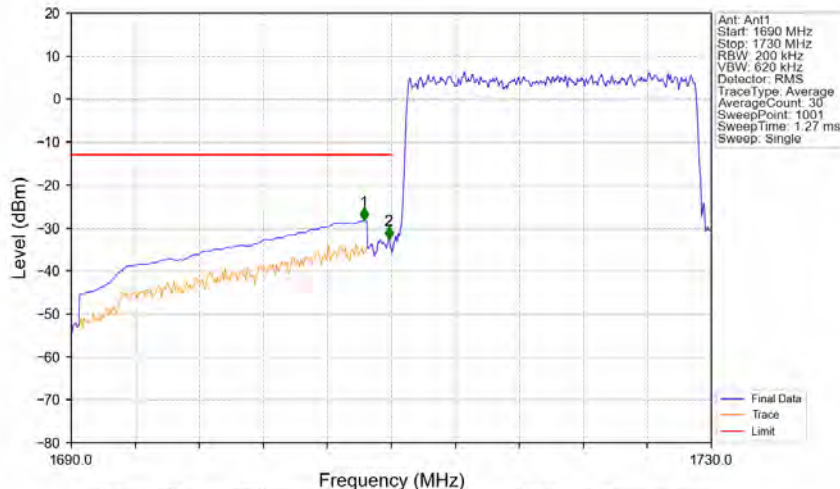
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Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_1\_0\_NTNV



Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.280	-28.32	-13	Pass
1709	1710	0.2	/	2	1709.840	-32.70	-13	Pass
1710	1730	0.2	/	/	/	/	/	/



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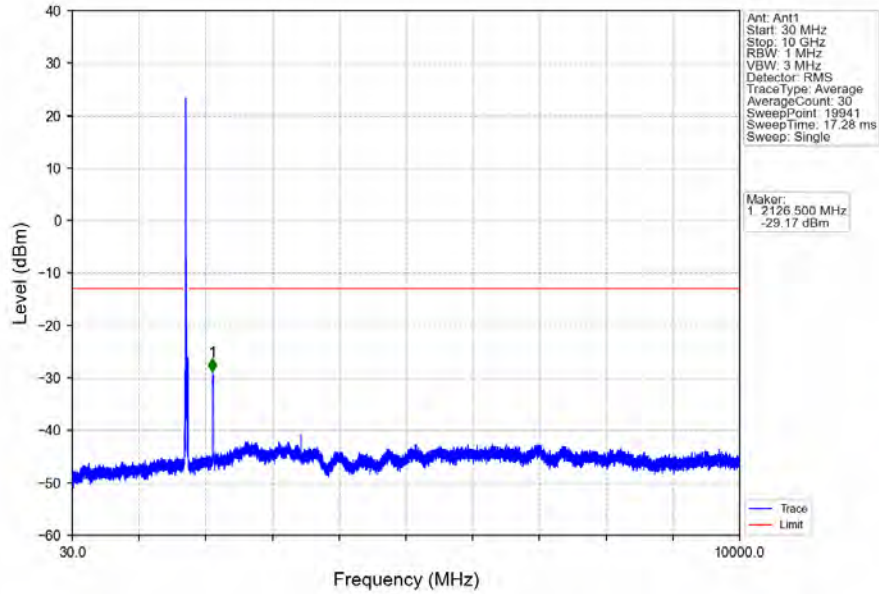
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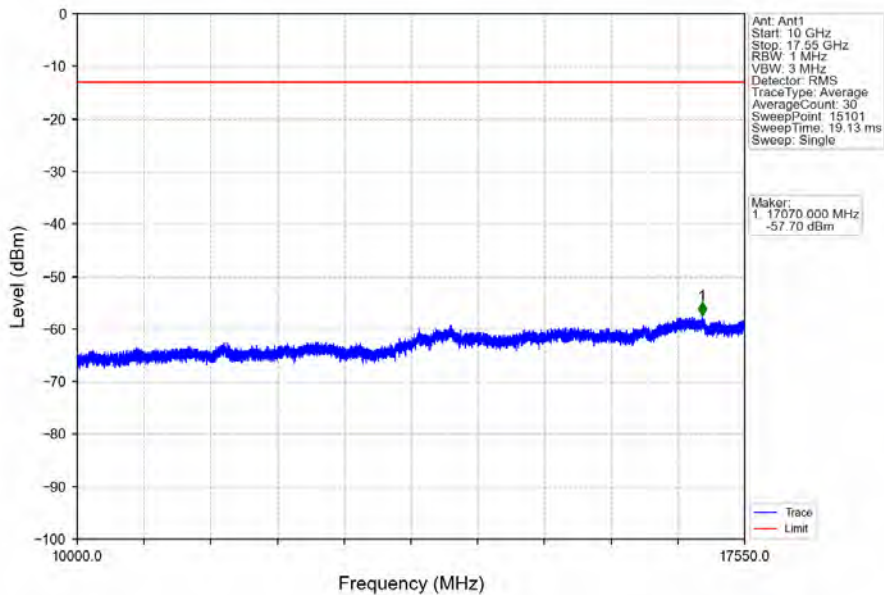
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Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



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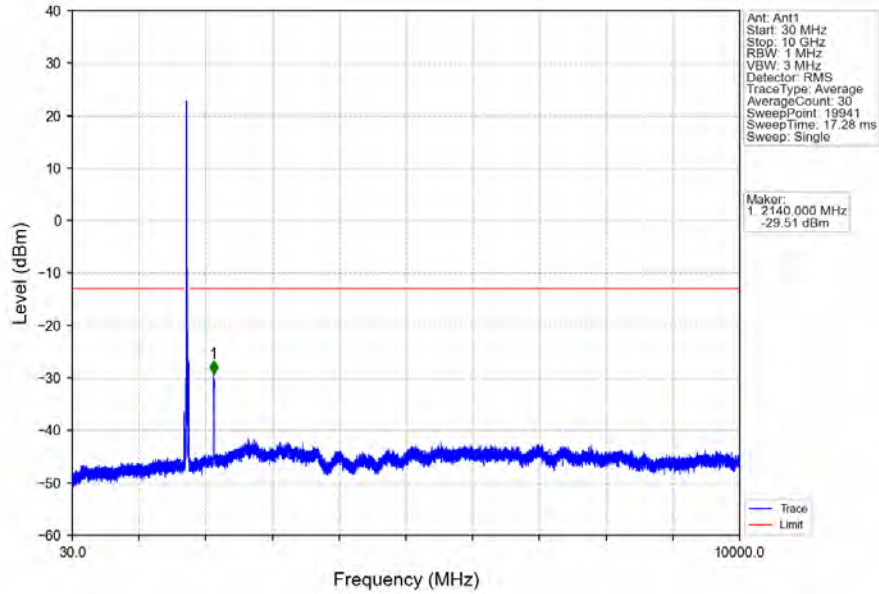




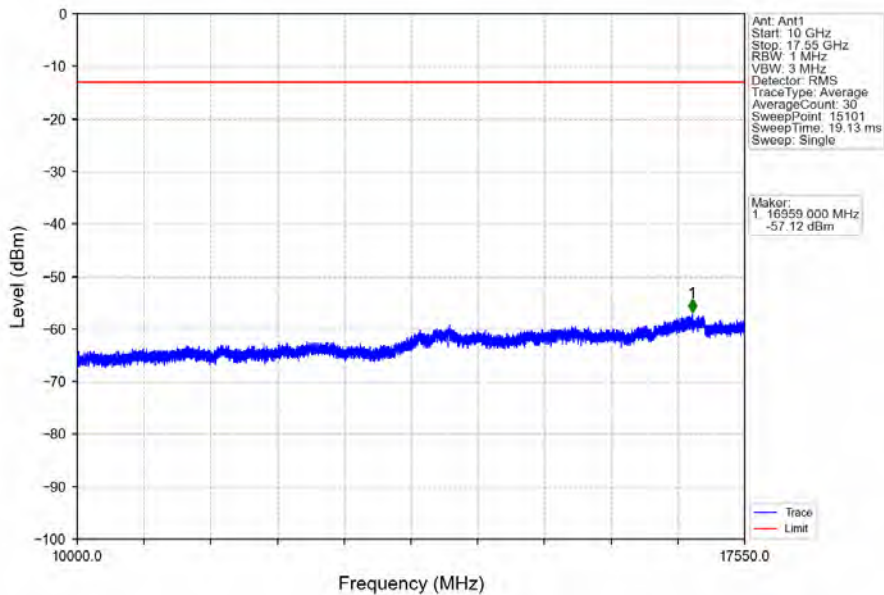
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Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_1\_0\_NTNV



Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_1\_0\_NTNV



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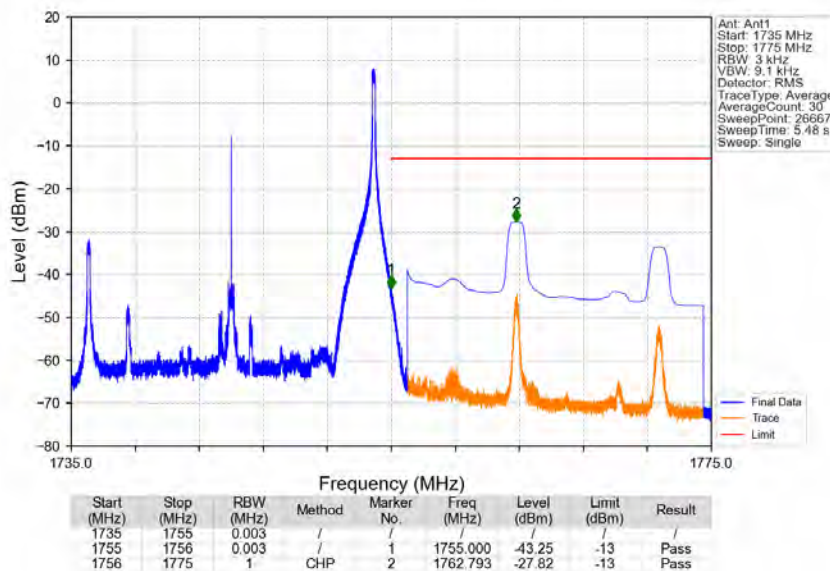
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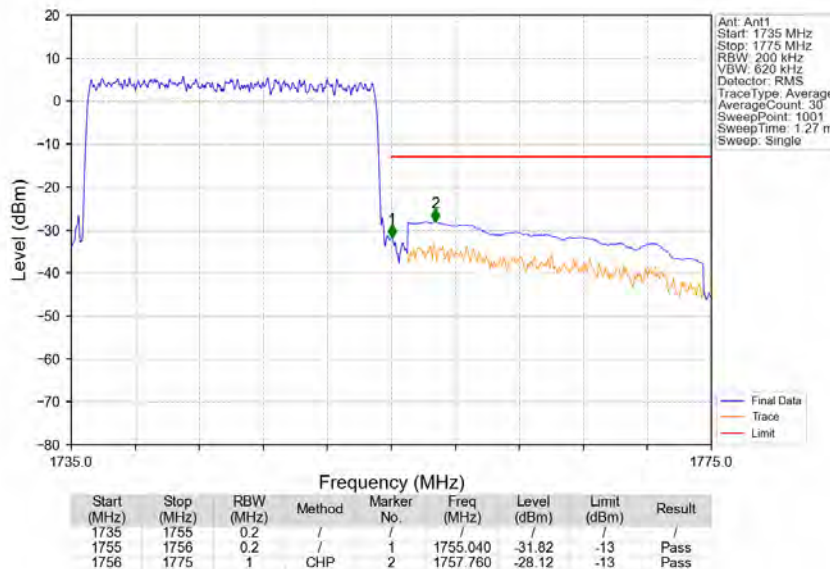
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Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_1\_99\_NTNV



Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV



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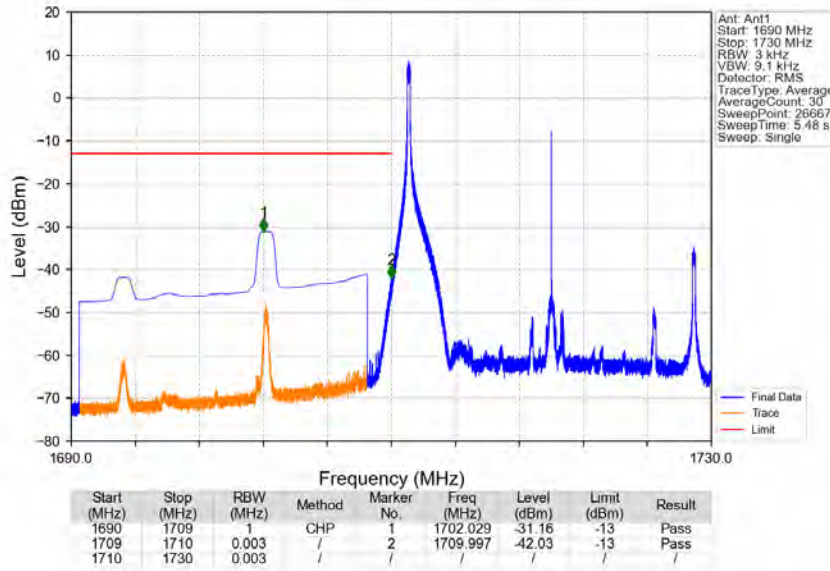
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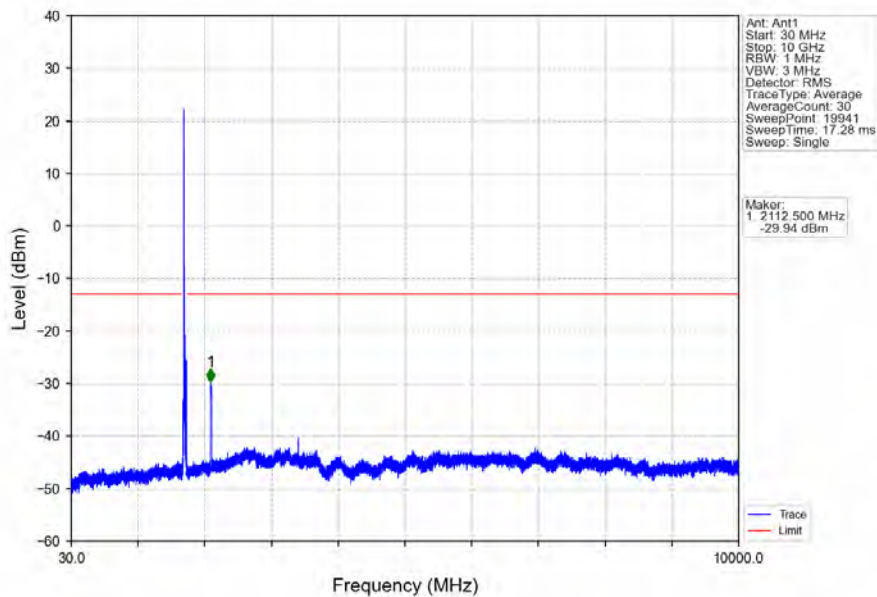
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Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV



Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV



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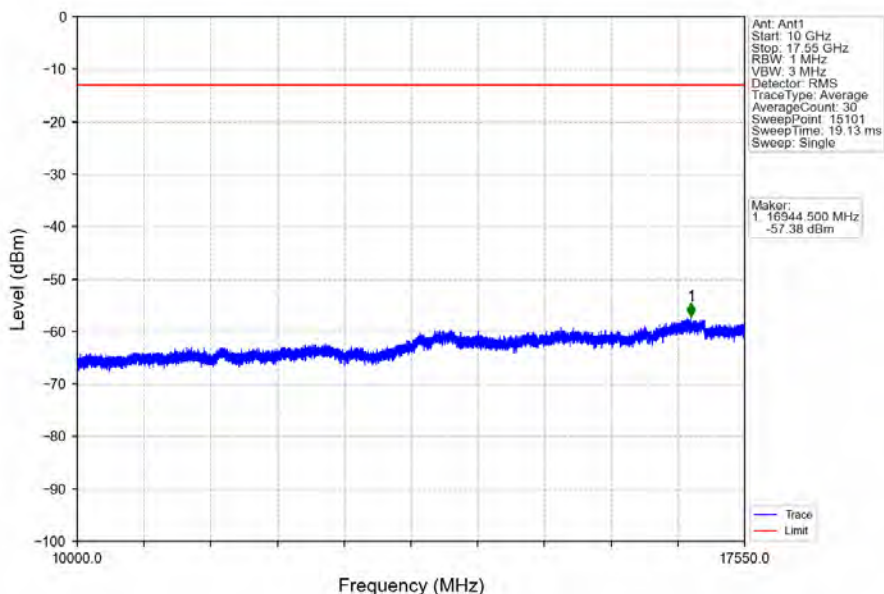




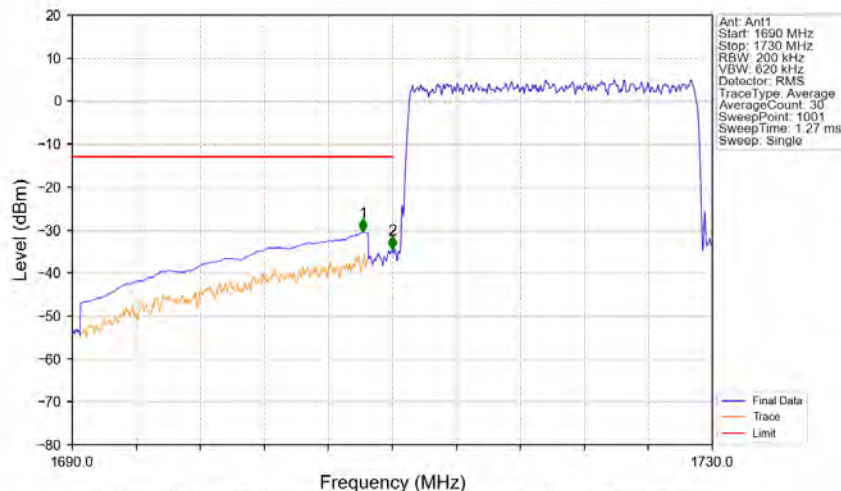
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Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV



Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.160	-30.51	-13	Pass
1709	1710	0.2	/	2	1710.000	-34.49	-13	Pass
1710	1730	0.2	/	/	/	/	/	/



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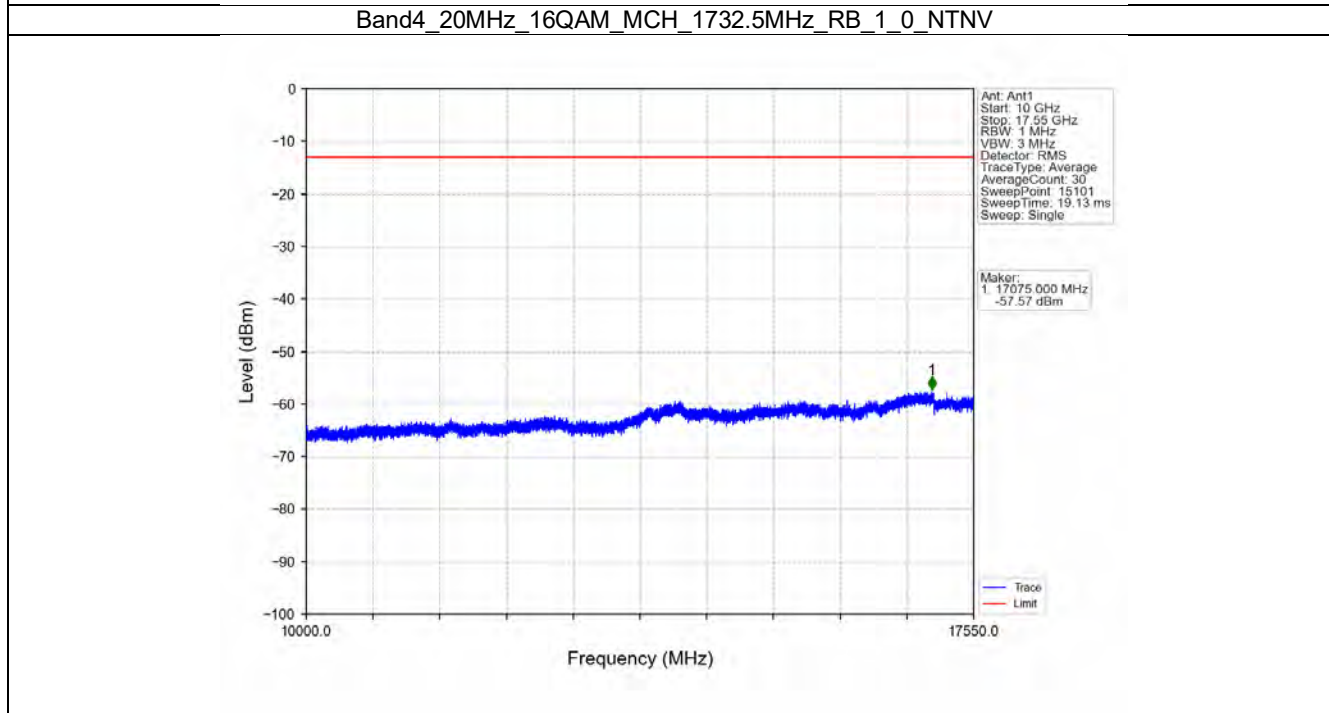
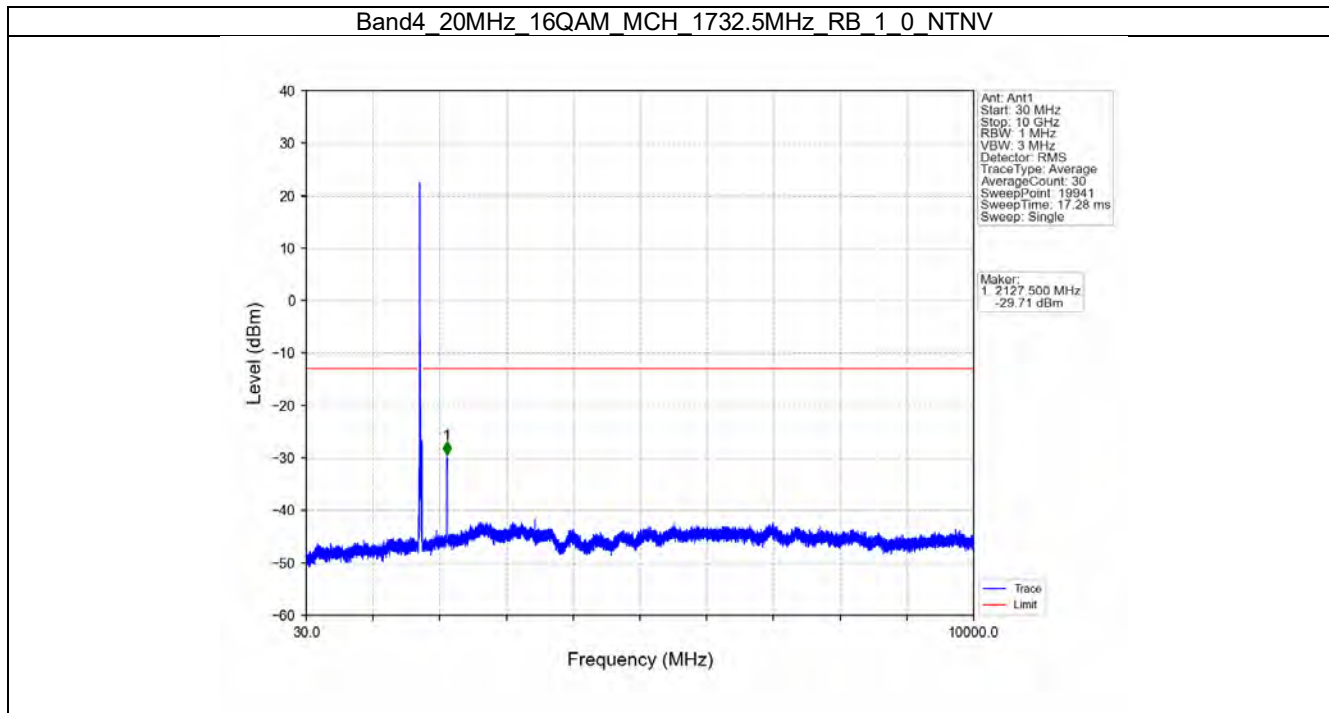


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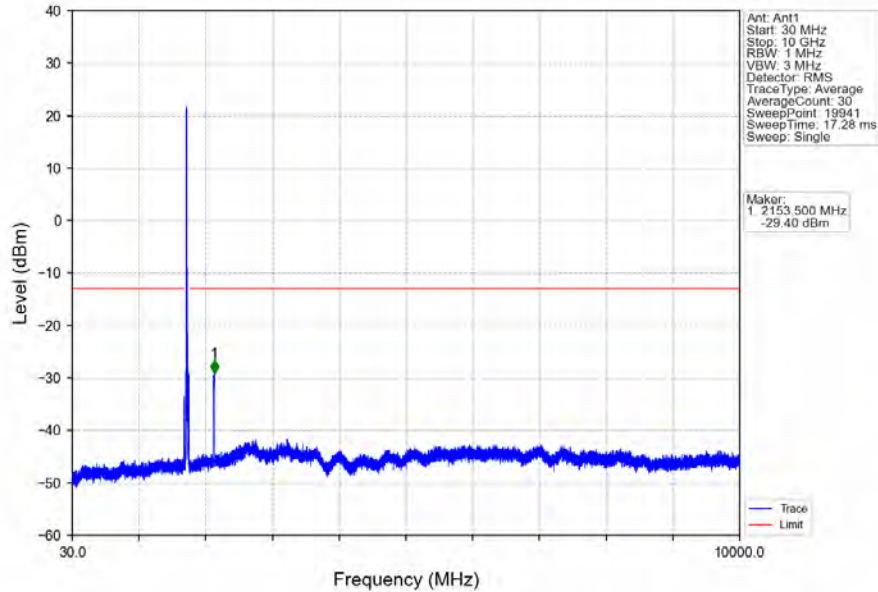
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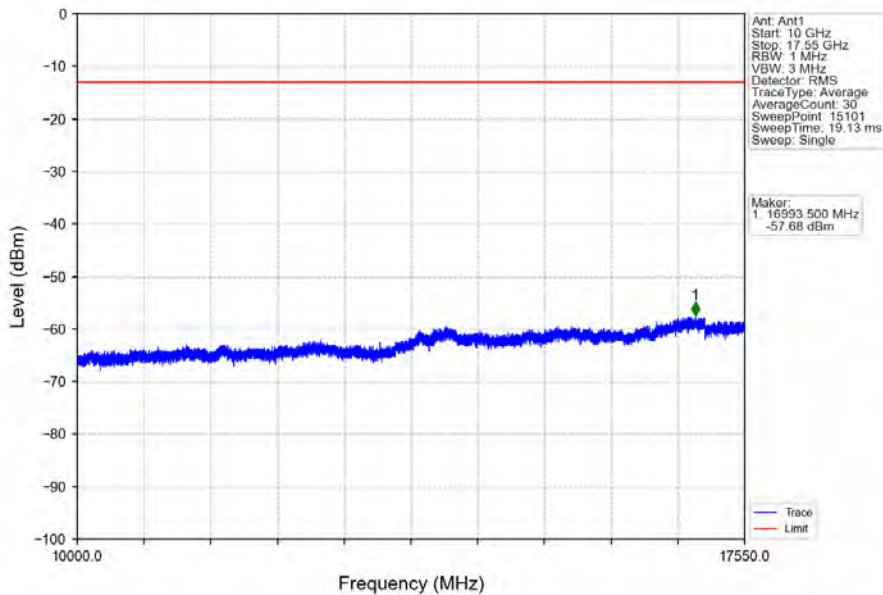
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Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_1\_0\_NTNV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_1\_0\_NTNV



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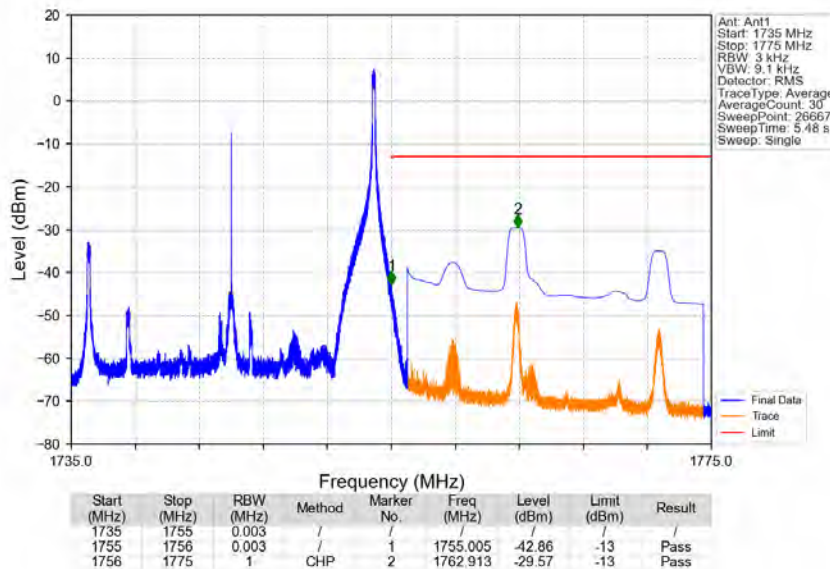
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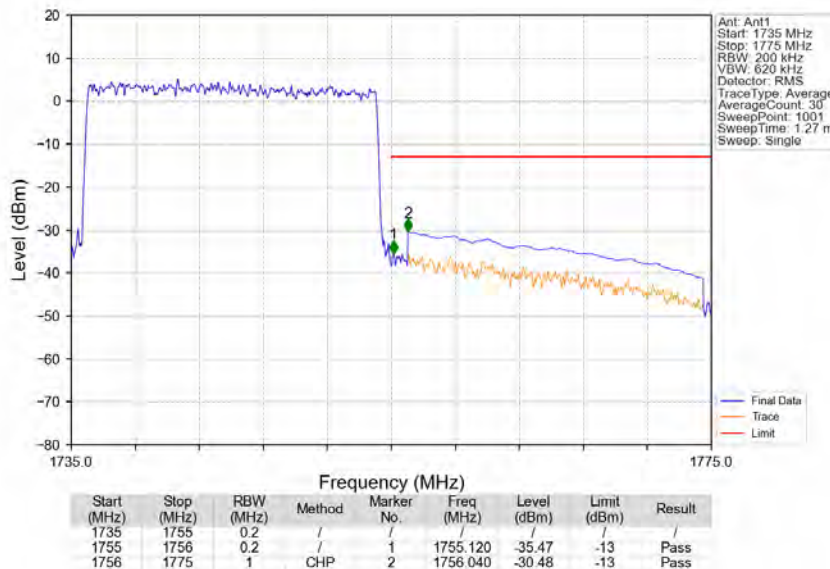
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Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_1\_99\_NTNV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_100\_0\_NTNV



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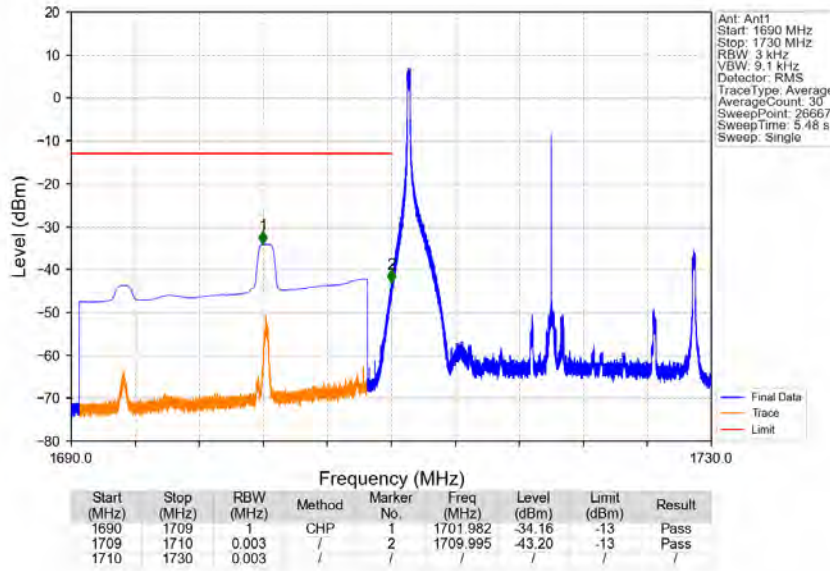
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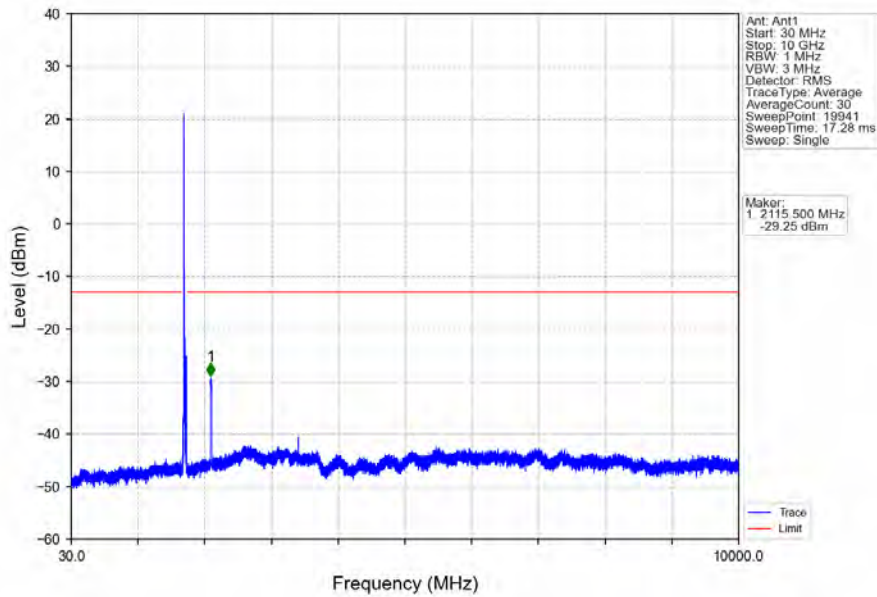
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Band4\_20MHz\_64QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV



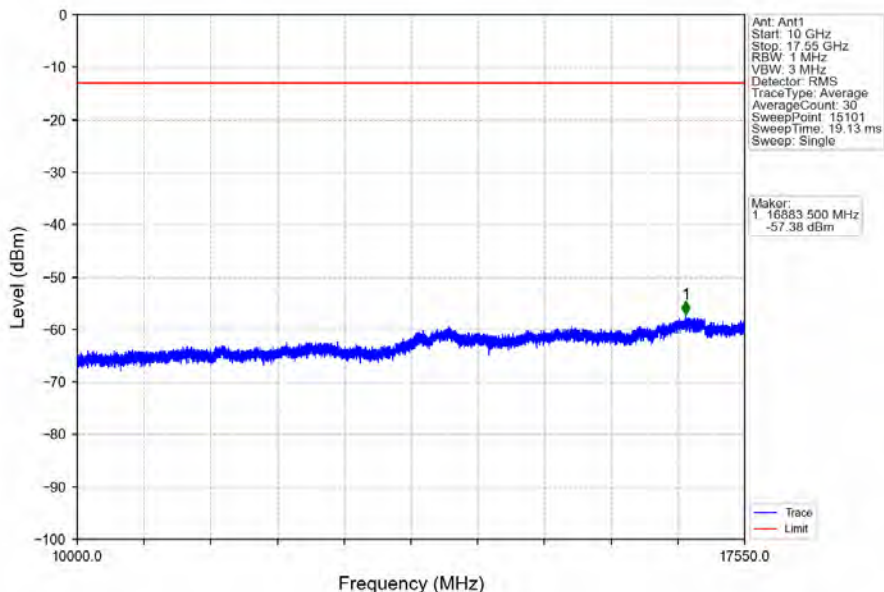
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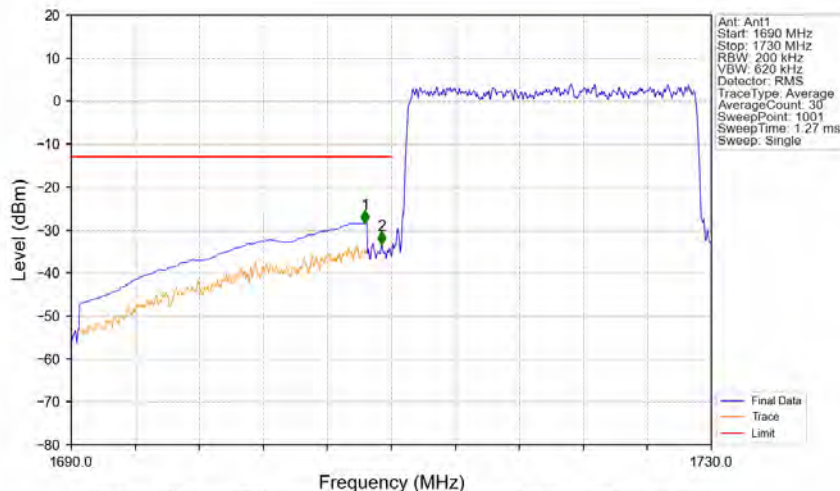
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Band4\_20MHz\_64QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV



Band4\_20MHz\_64QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.360	-28.45	-13	Pass
1709	1710	0.2	/	2	1709.400	-33.49	-13	Pass
1710	1730	0.2	/	/	/	/	/	/



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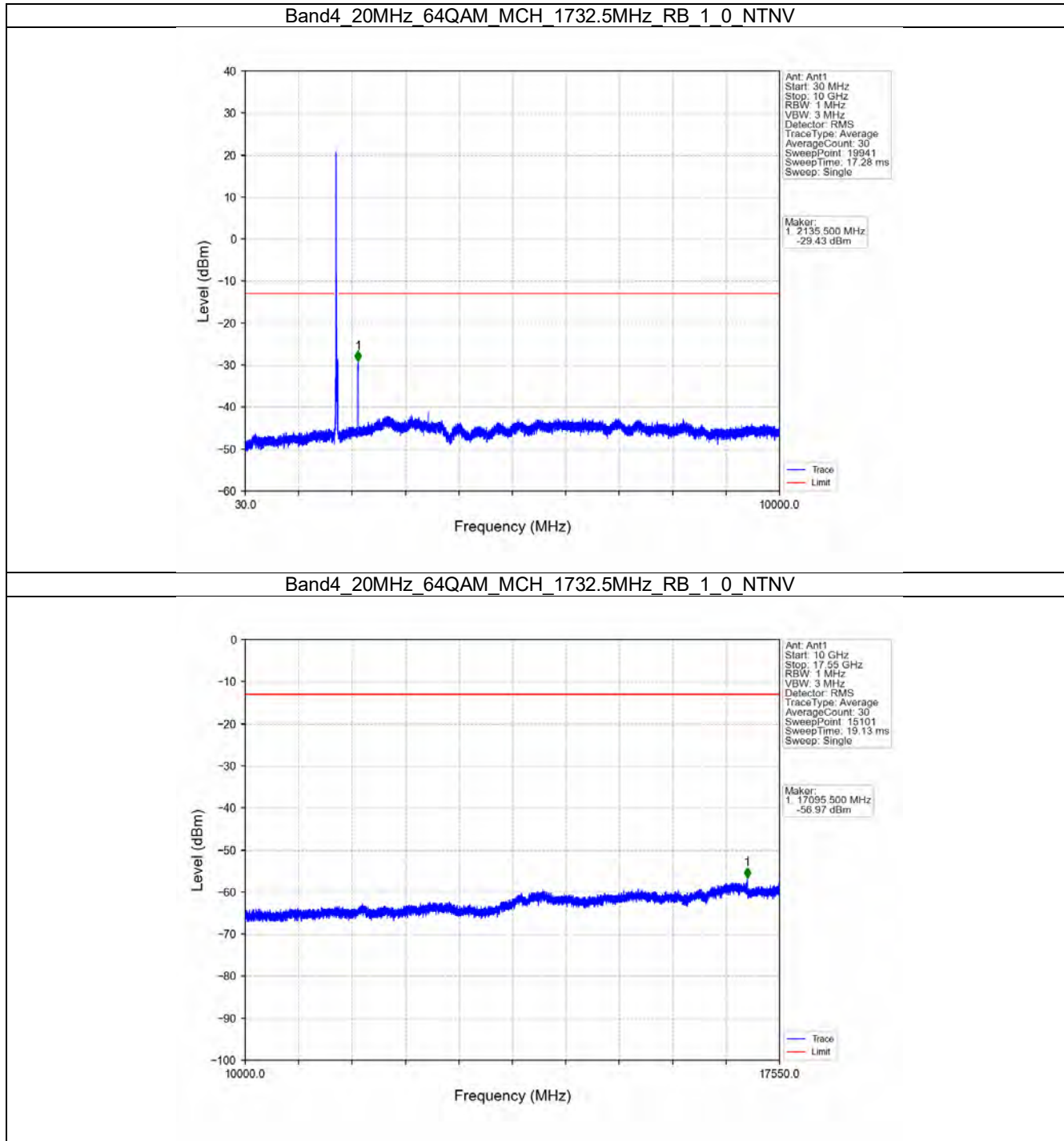
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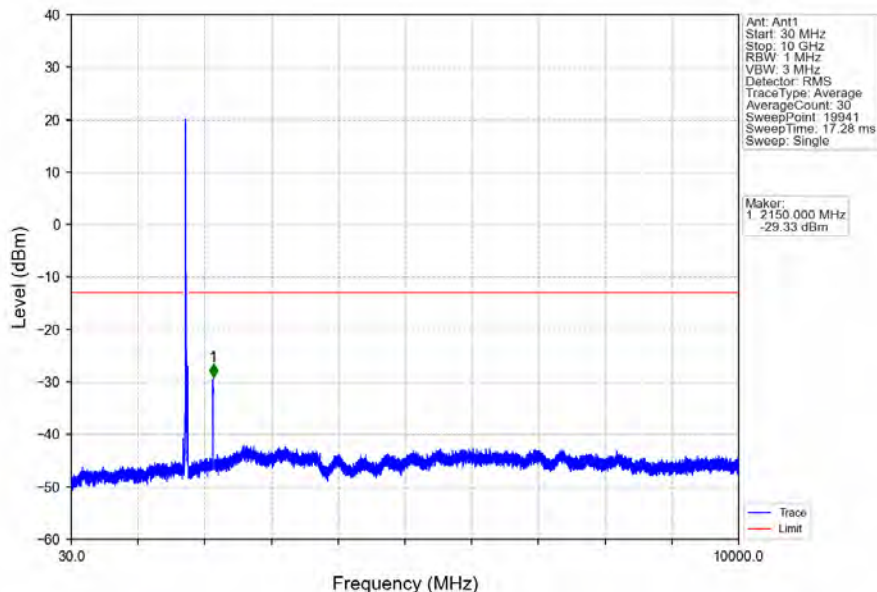
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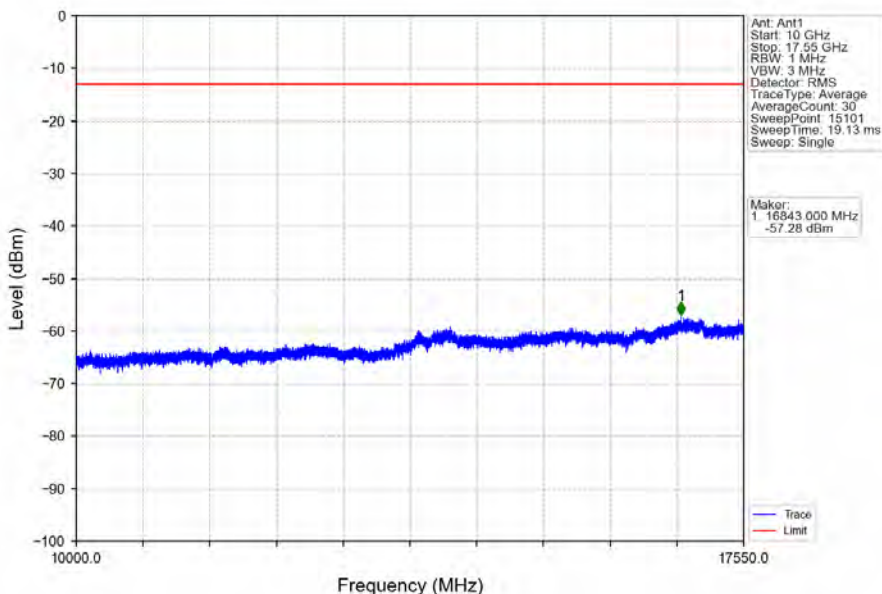
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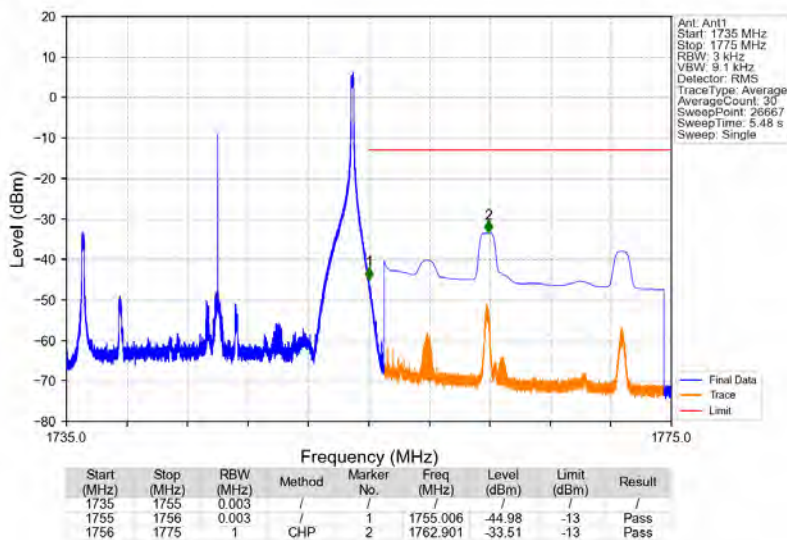
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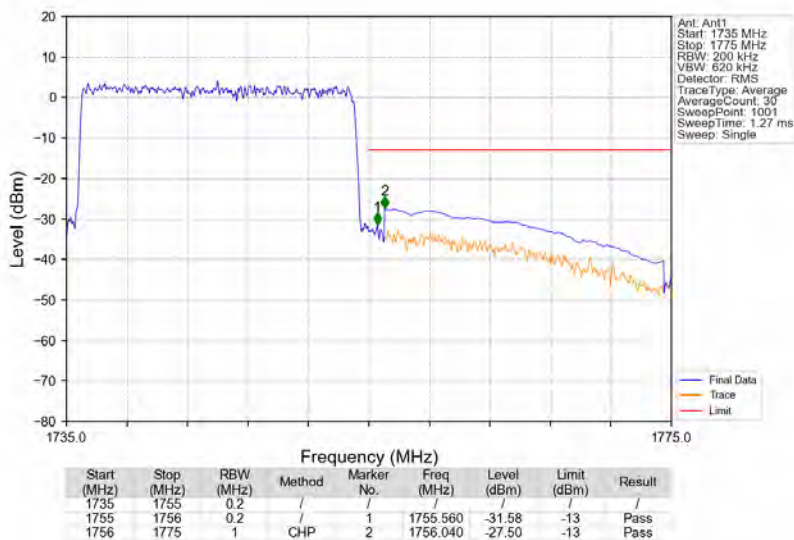
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