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5. Spurious Emission & Band Edges

5.1 B66_1.4MHz

5.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTNV						
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
	1745	1	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
64QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass



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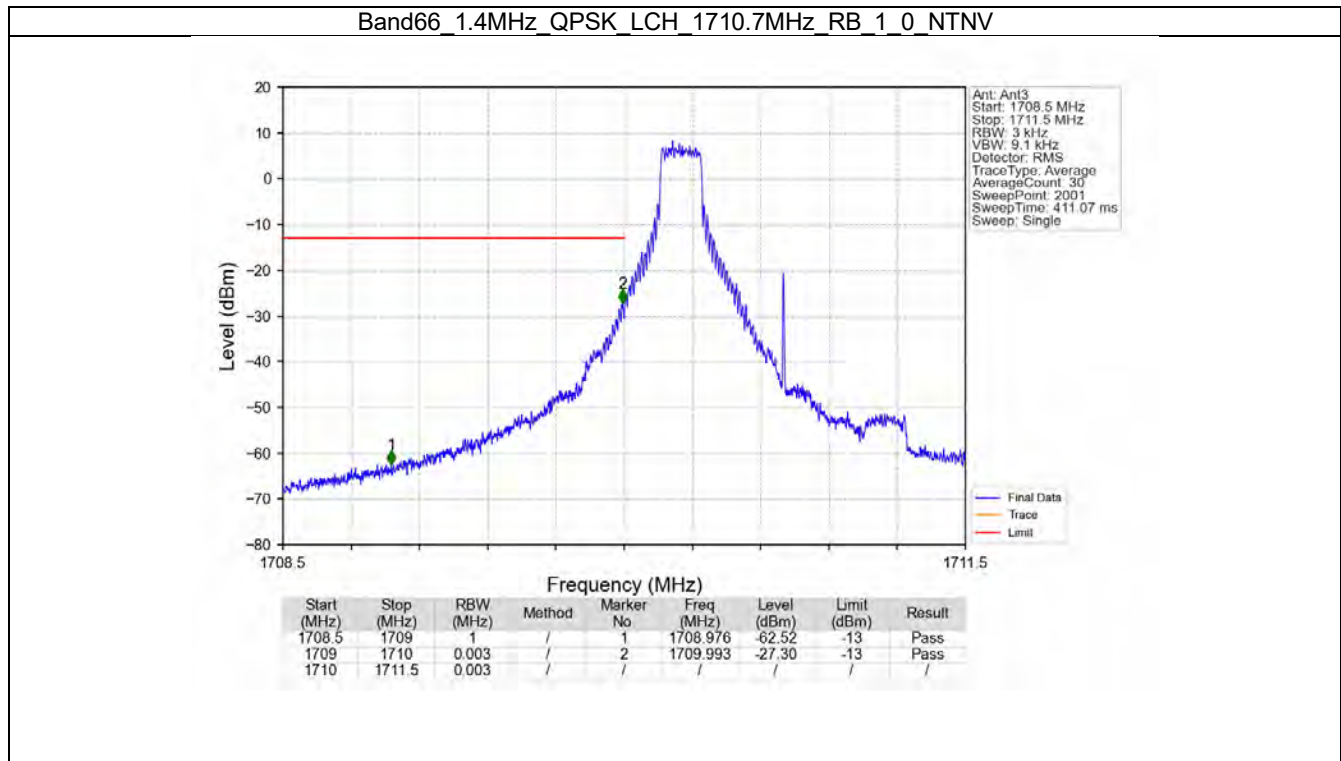
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5.1.2 Test Graph



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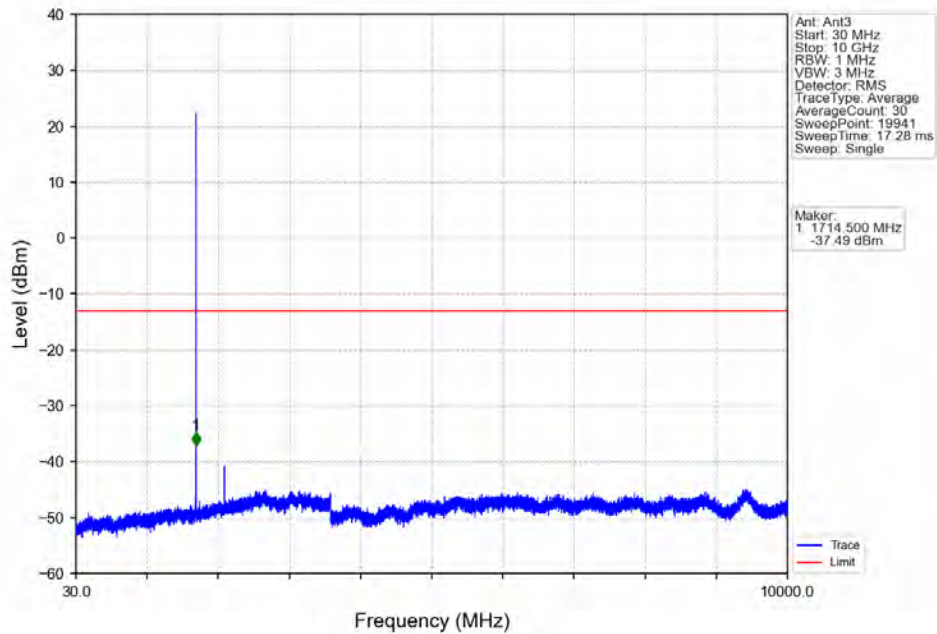
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Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



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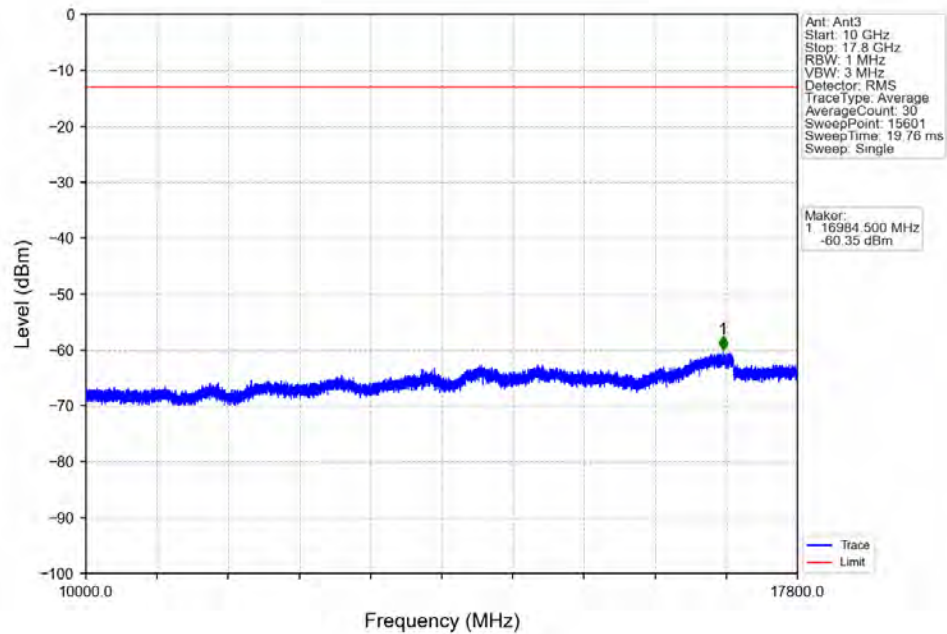
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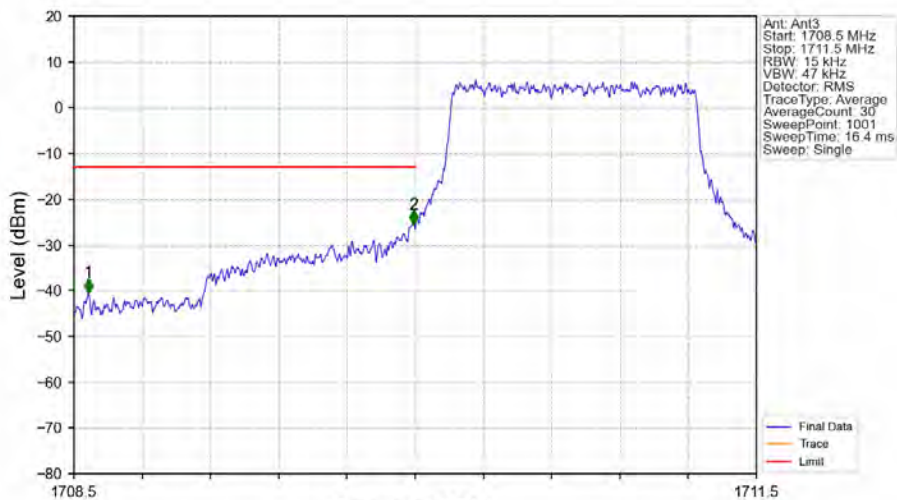
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Band66 1.4MHz QPSK LCH 1710.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.563	-40.42	-13	Pass
1709	1710	0.015	/	2	1709.994	-25.52	-13	Pass
1710	1711.5	0.015	/	/	/	/	/	/



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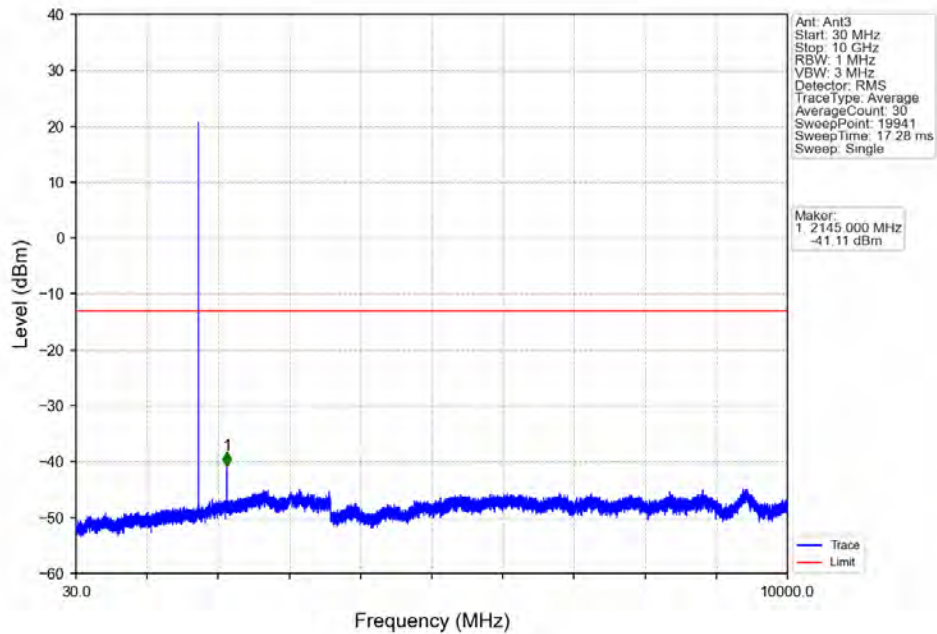
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Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



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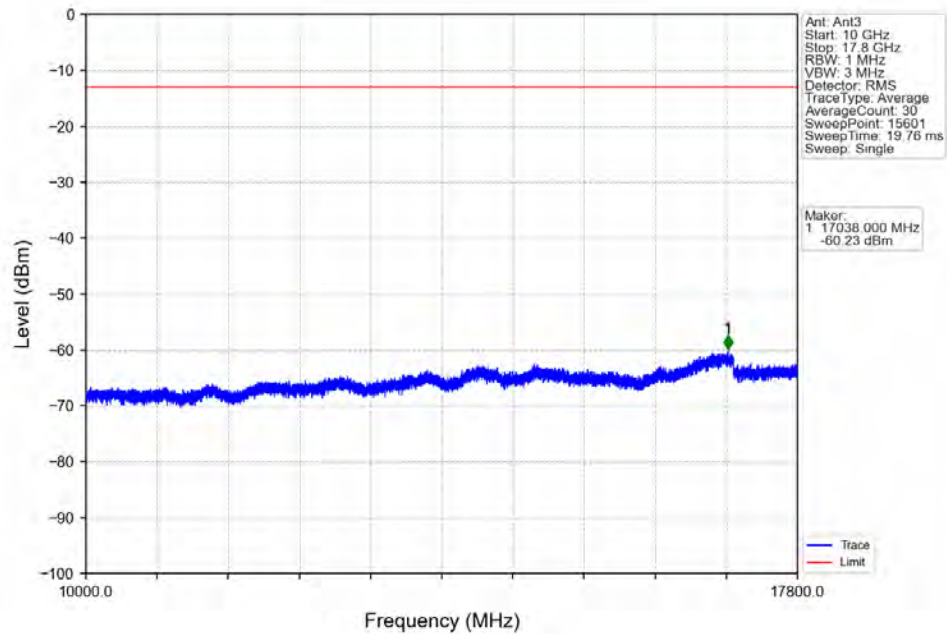
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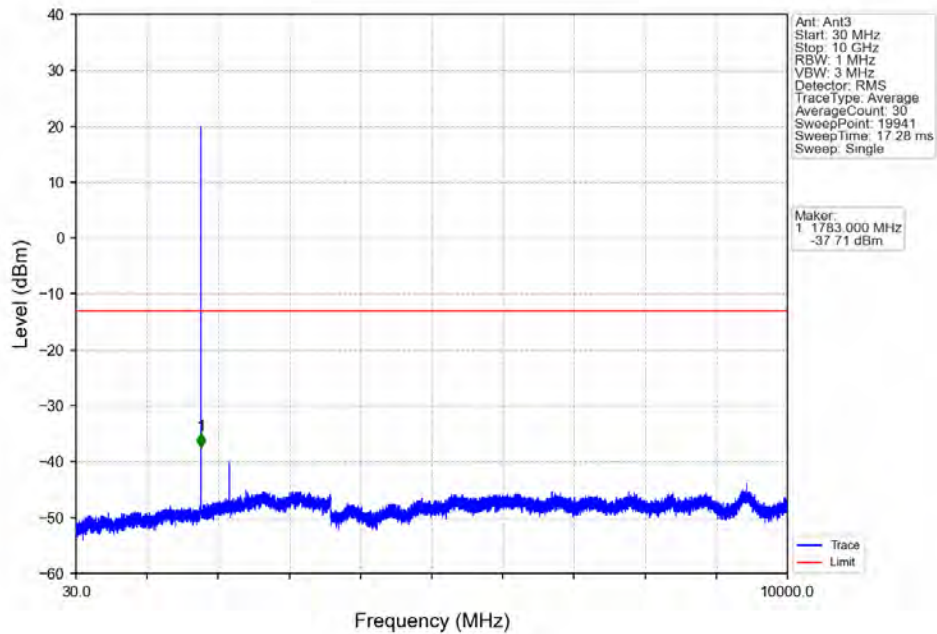
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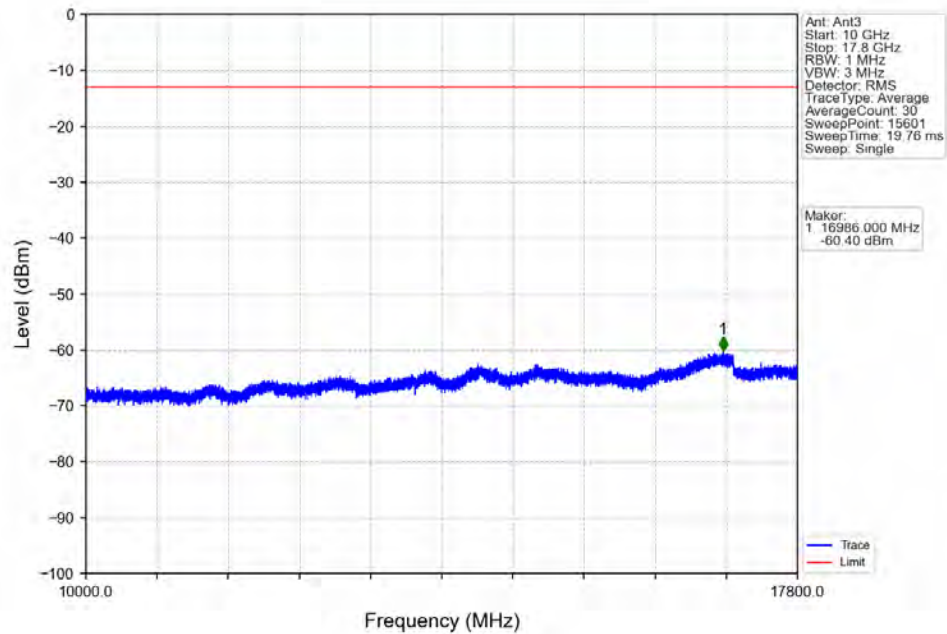
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Band66 1.4MHz QPSK HCH 1779.3MHz_RB_1_0 NTN



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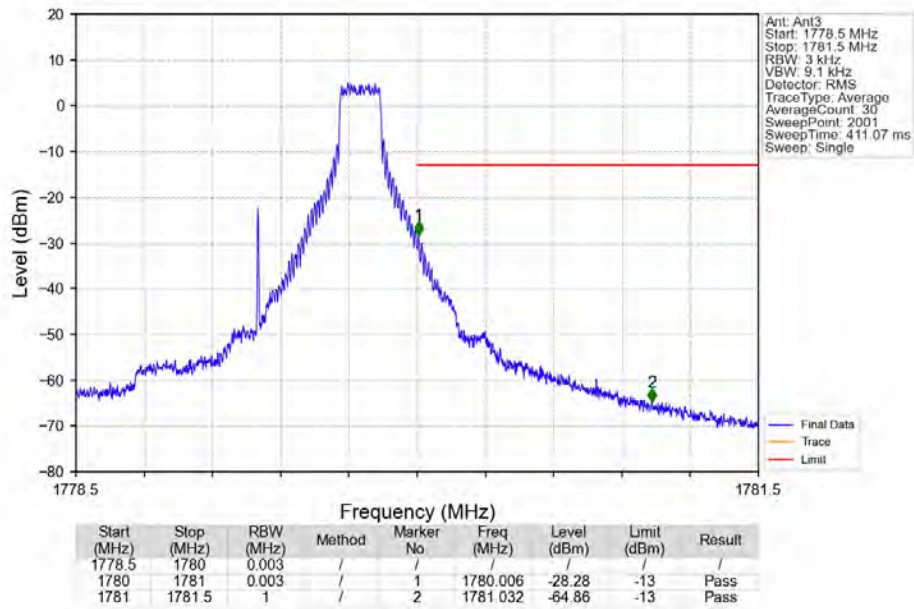
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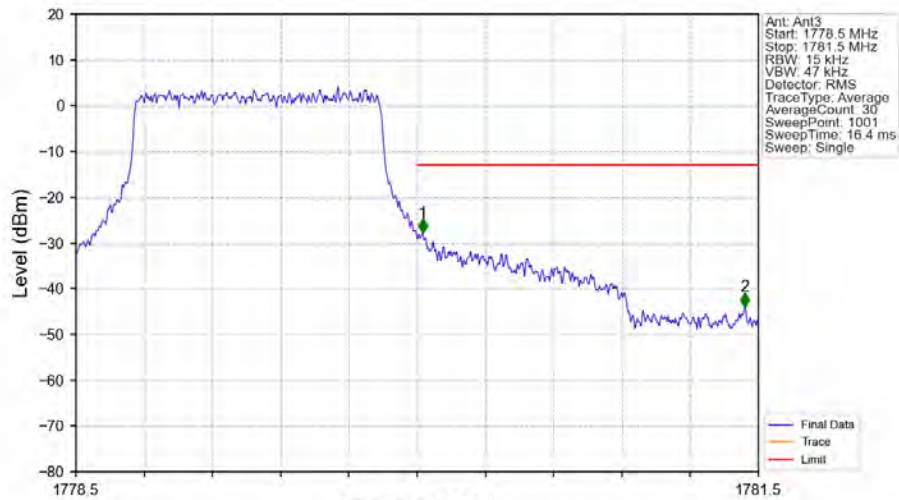
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1778.5	1780	0.015	/	/	/	/	/	/
1780	1781	0.015	/	1	1780.024	-27.82	-13	Pass
1781	1781.5	1	/	2	1781.440	-43.93	-13	Pass



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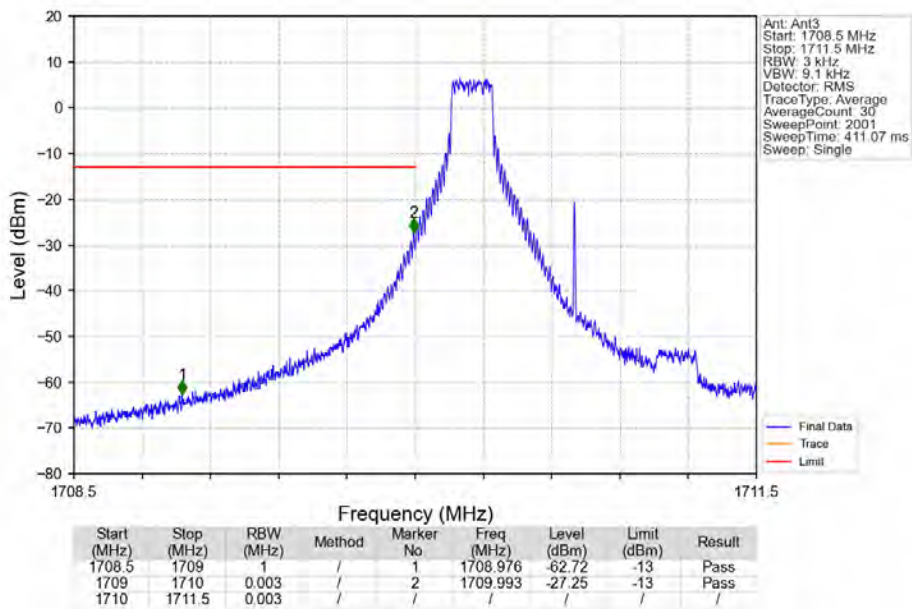
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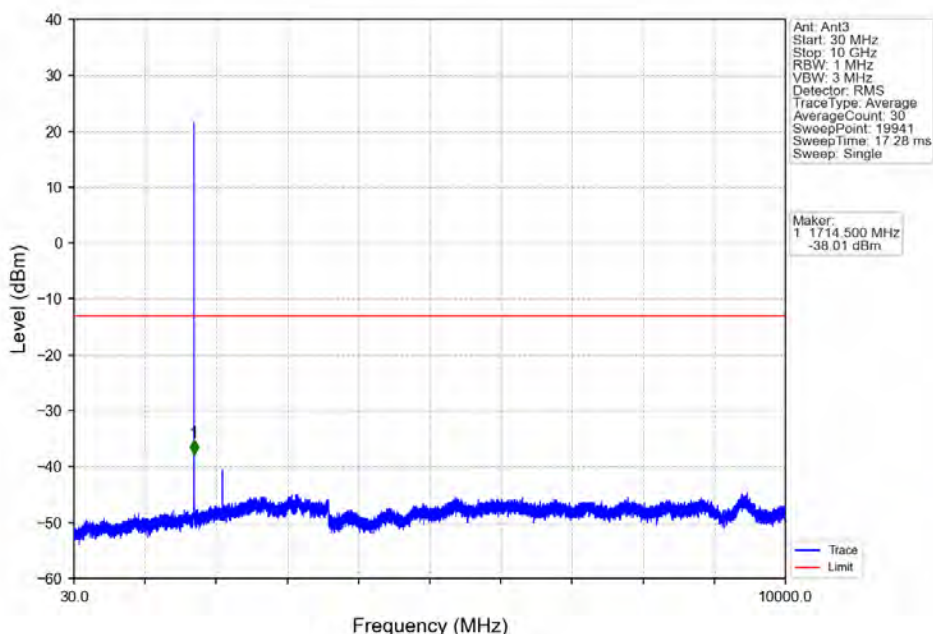
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Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



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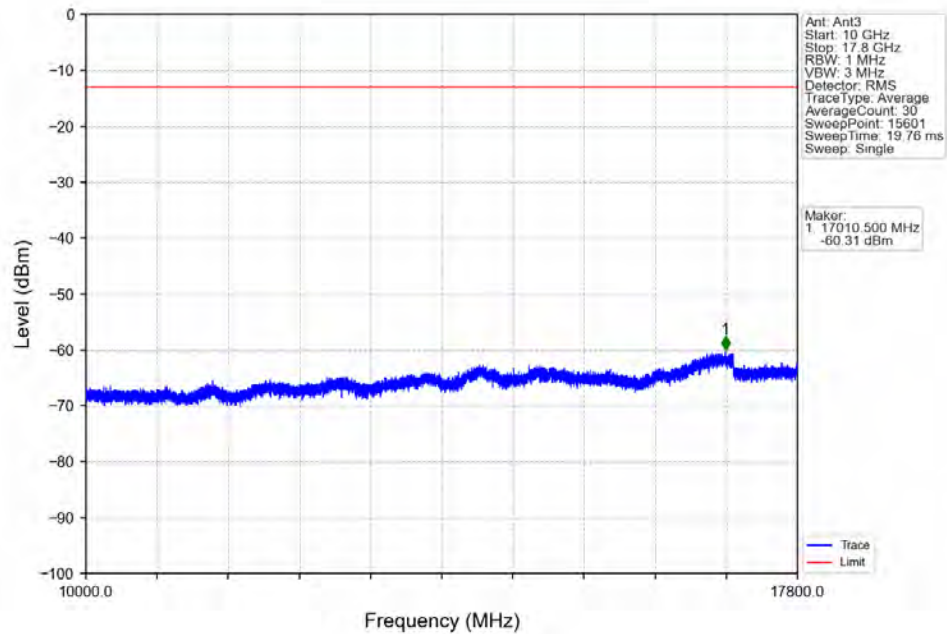
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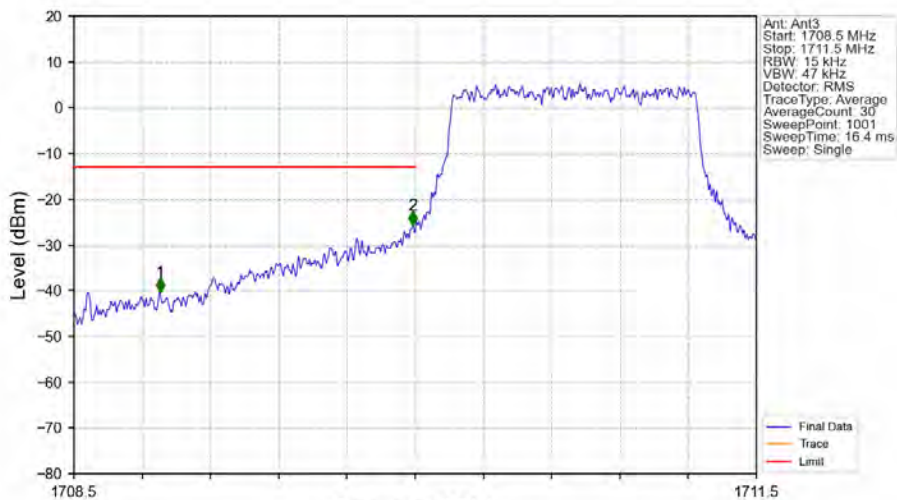
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Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.878	-40.39	-13	Pass
1709	1710	0.015	/	2	1709.991	-25.73	-13	Pass
1710	1711.5	0.015	/	/	/	/	/	/



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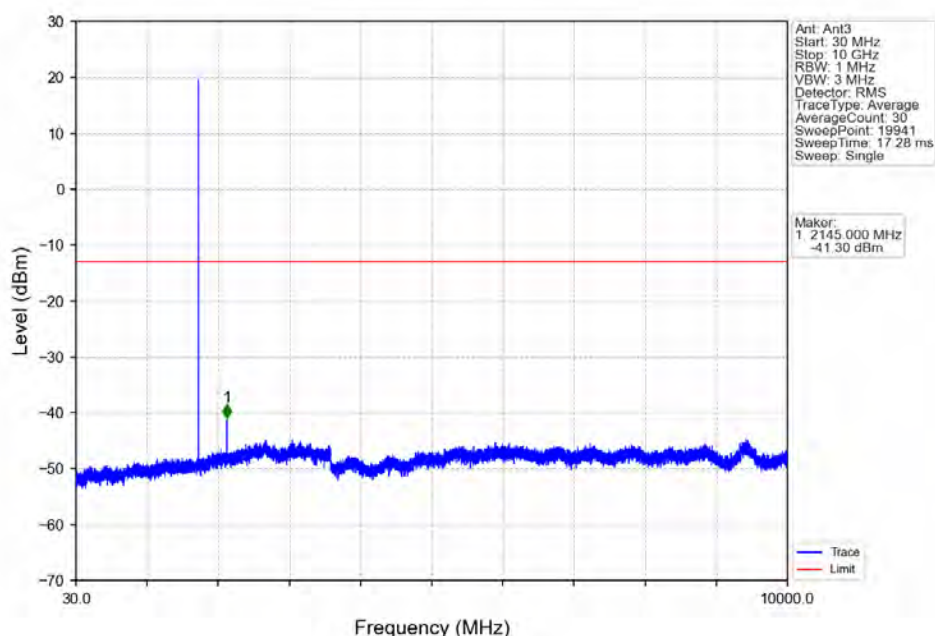
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Band66_1.4MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



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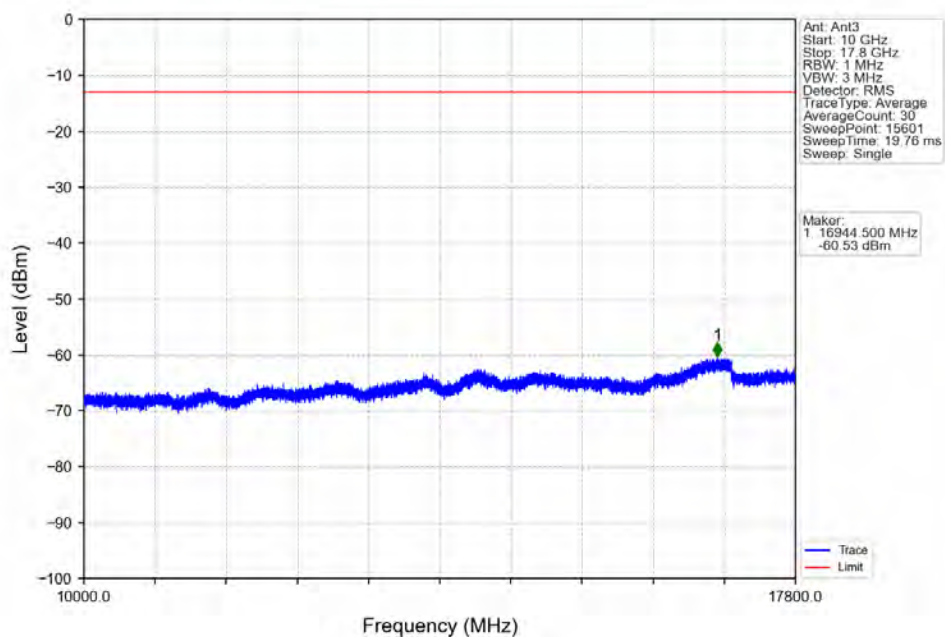
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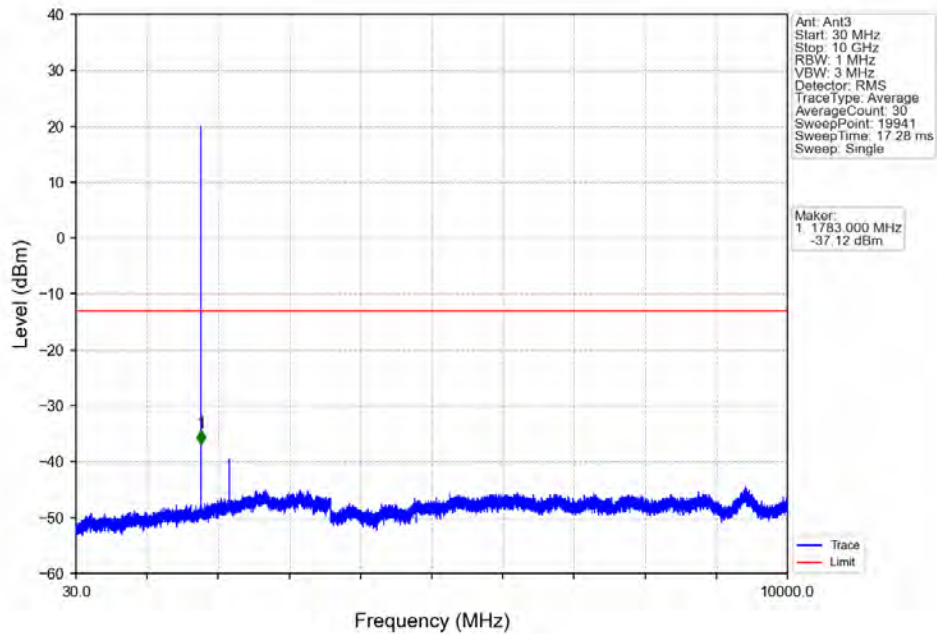
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Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV



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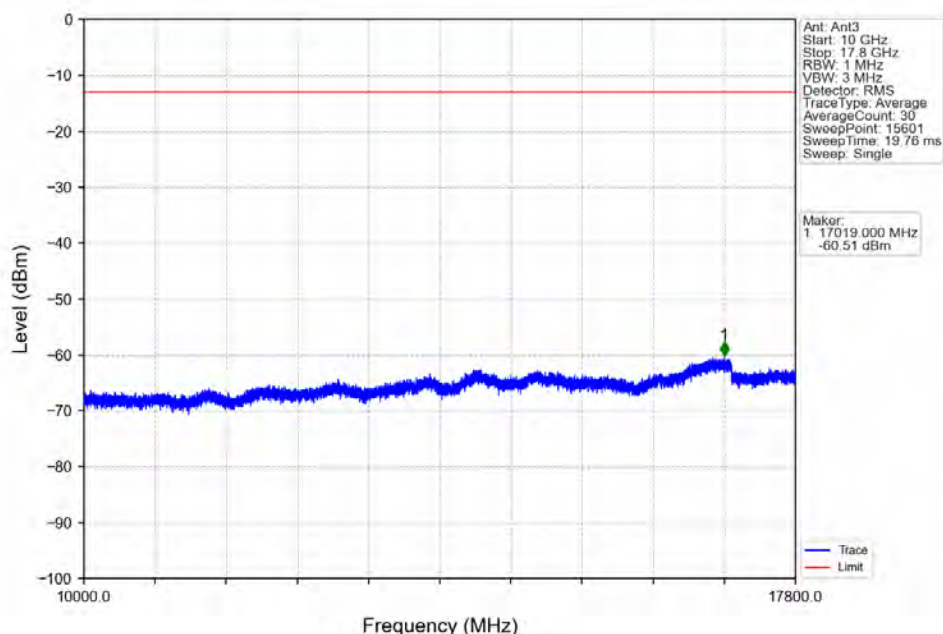
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Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV



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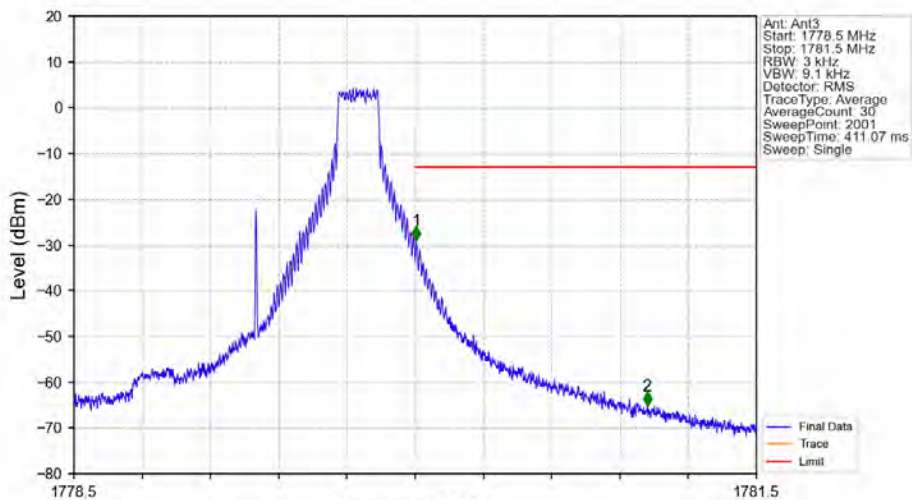
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Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1778.5	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.005	-29.07	-13	Pass
1781	1781.5	1	/	2	1781.020	-65.18	-13	Pass



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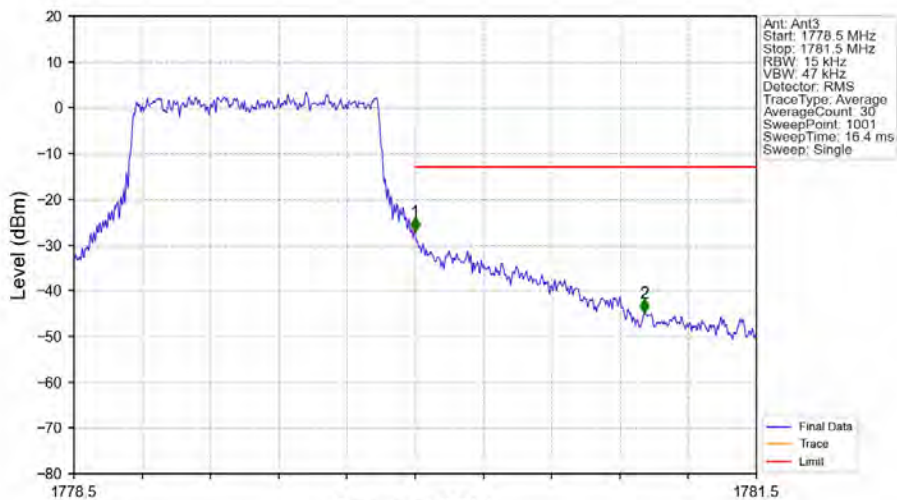
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Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



		Frequency (MHz)							
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result	
1778.5	1780	0.015	/	/	/	/	/	/	
1780	1781	0.015	/	1	1780.000	-27.11	-13	Pass	
1781	1781.5	1	/	2	1781.008	-44.88	-13	Pass	



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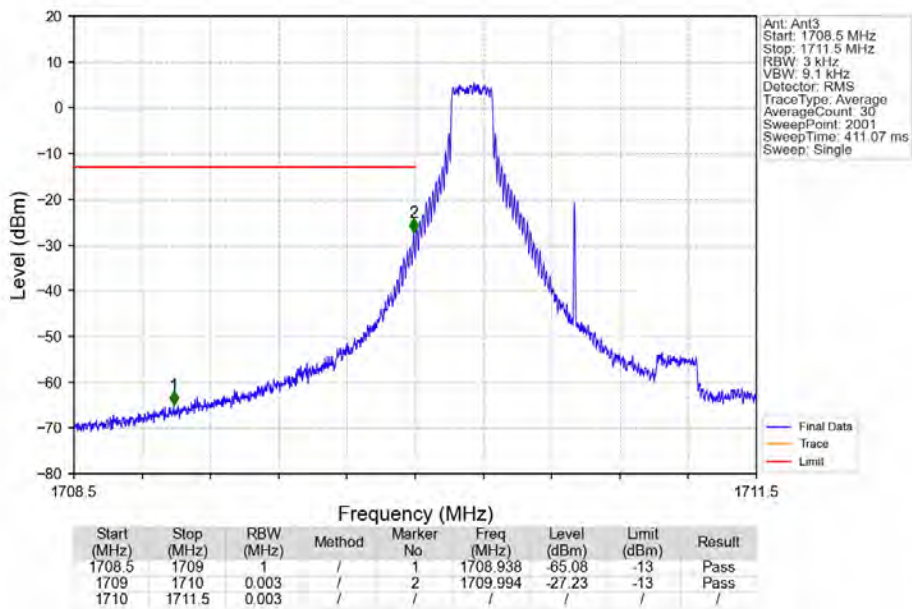
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Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV



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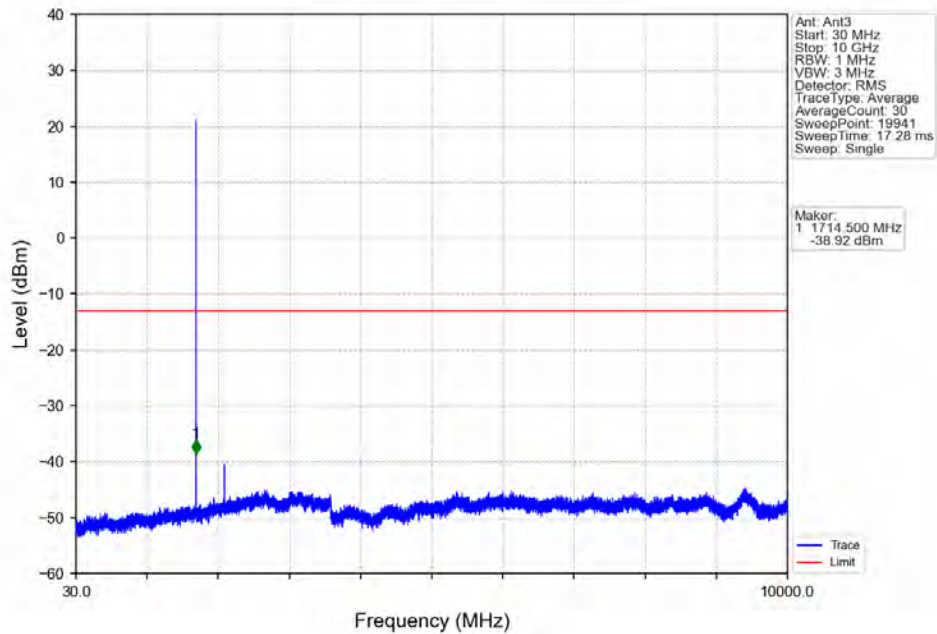
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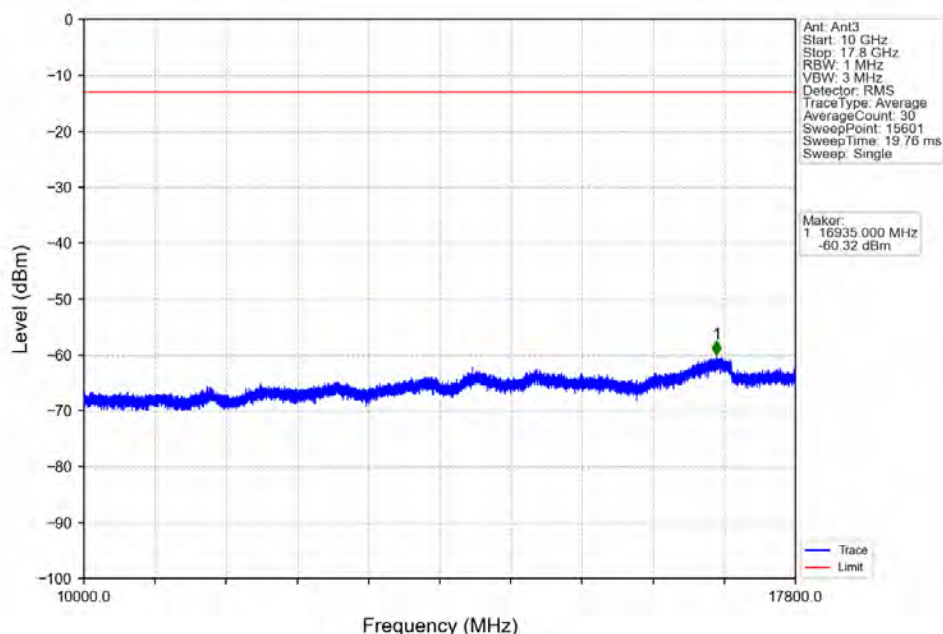
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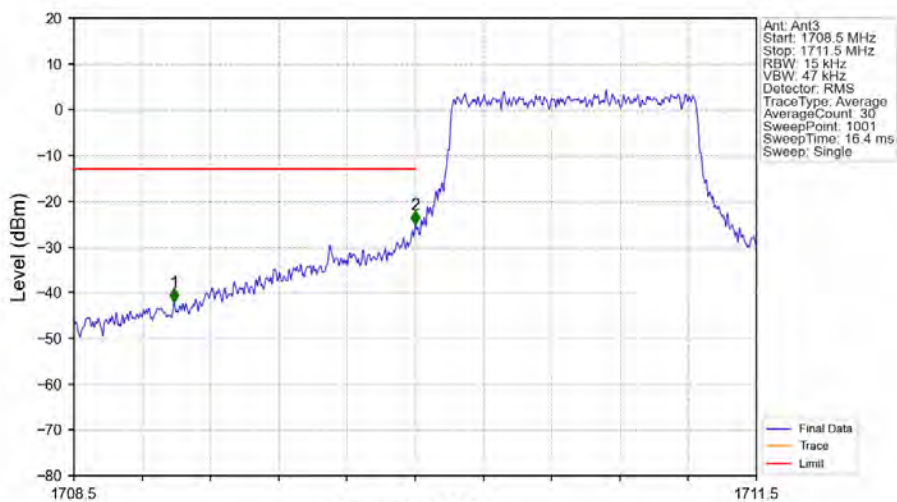
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Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



		Frequency (MHz)							
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result	
1708.5	1709	1	/	1	1708.941	-42.05	-13	Pass	
1709	1710	0.015	/	2	1710.000	-25.23	-13	Pass	
1710	1711.5	0.015	/	/	/	/	/	/	



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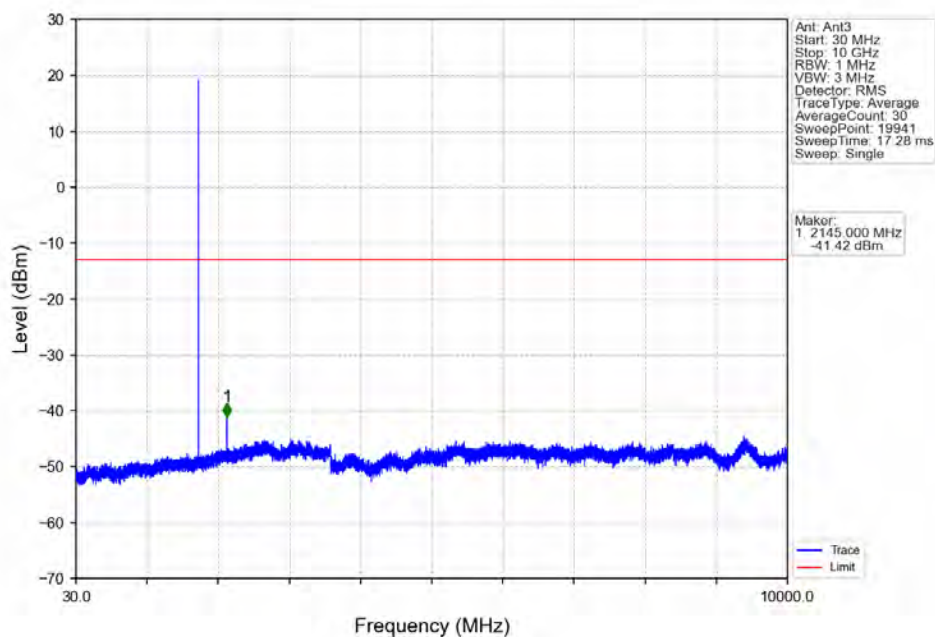
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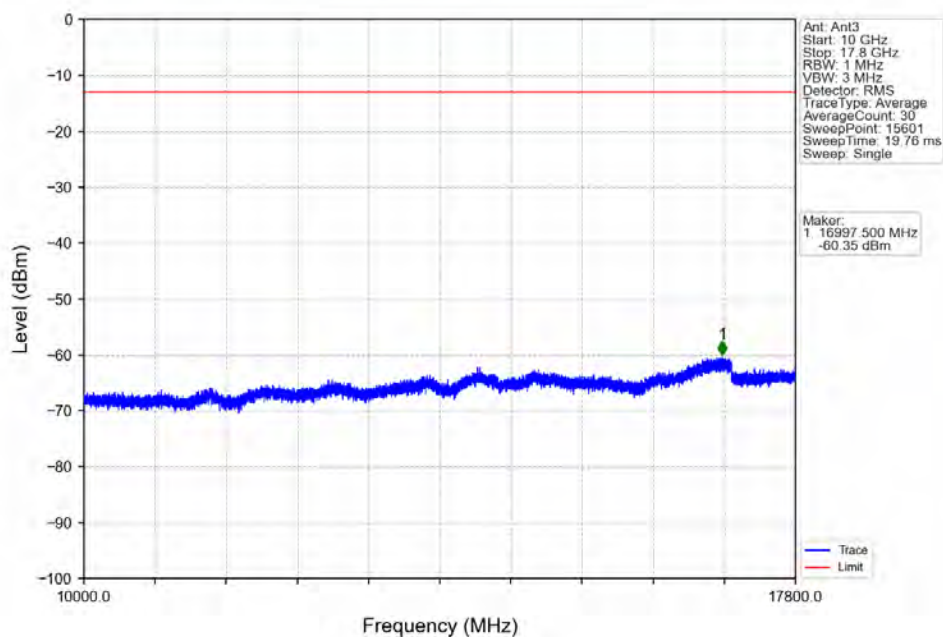
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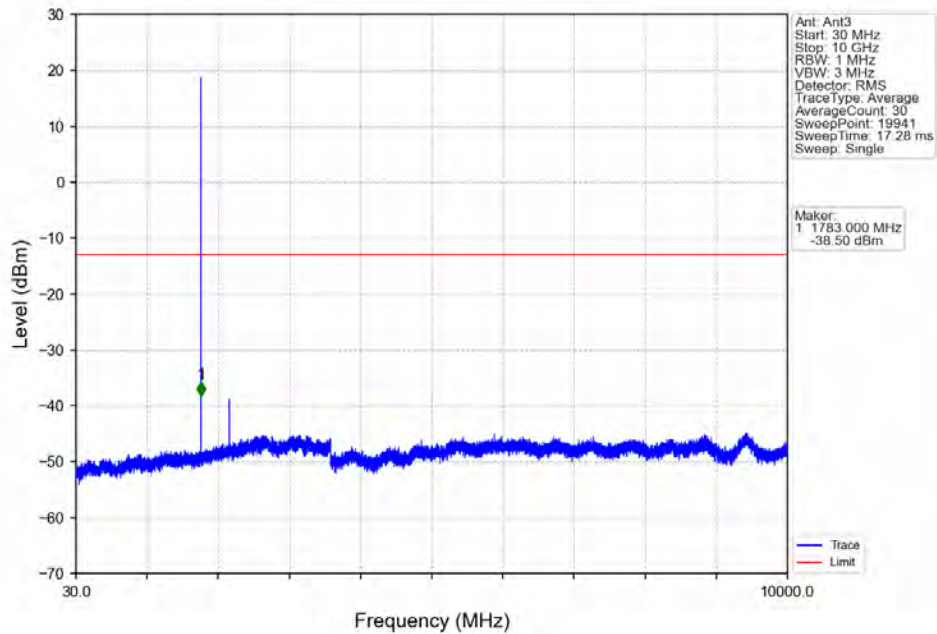
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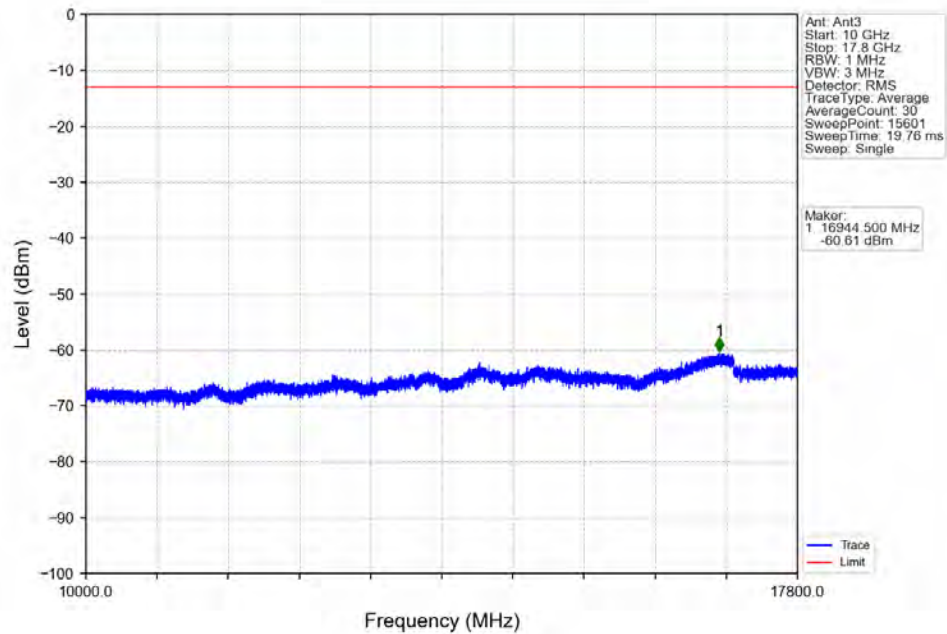
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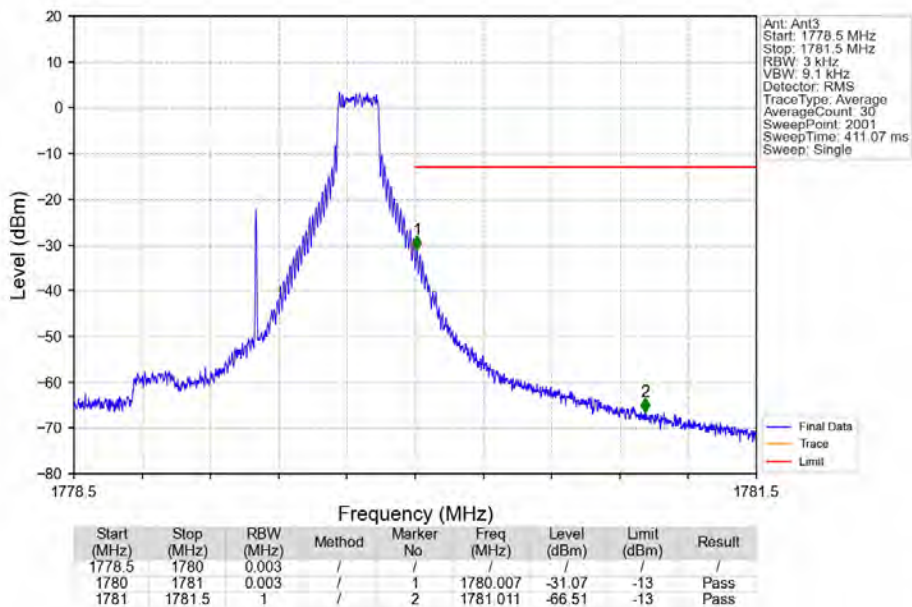
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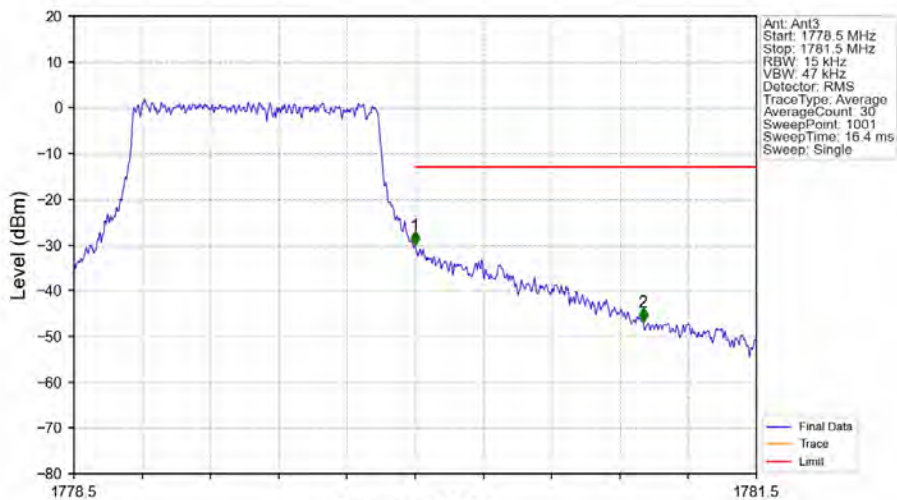
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		Frequency (MHz)							
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result	
1778.5	1780	0.015	/	/	/	/	/	/	
1780	1781	0.015	/	1	1780.000	-30.11	-13	Pass	
1781	1781.5	1	/	2	1781.002	-46.90	-13	Pass	



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5.2 B66_3MHz

5.2.1 Test Result

Band: 66 / 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
	1745	1	0	Refer To Test Graph		Pass
	1778.5	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
	1745	1	0	Refer To Test Graph		Pass
	1778.5	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
	1745	1	0	Refer To Test Graph		Pass
	1778.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass



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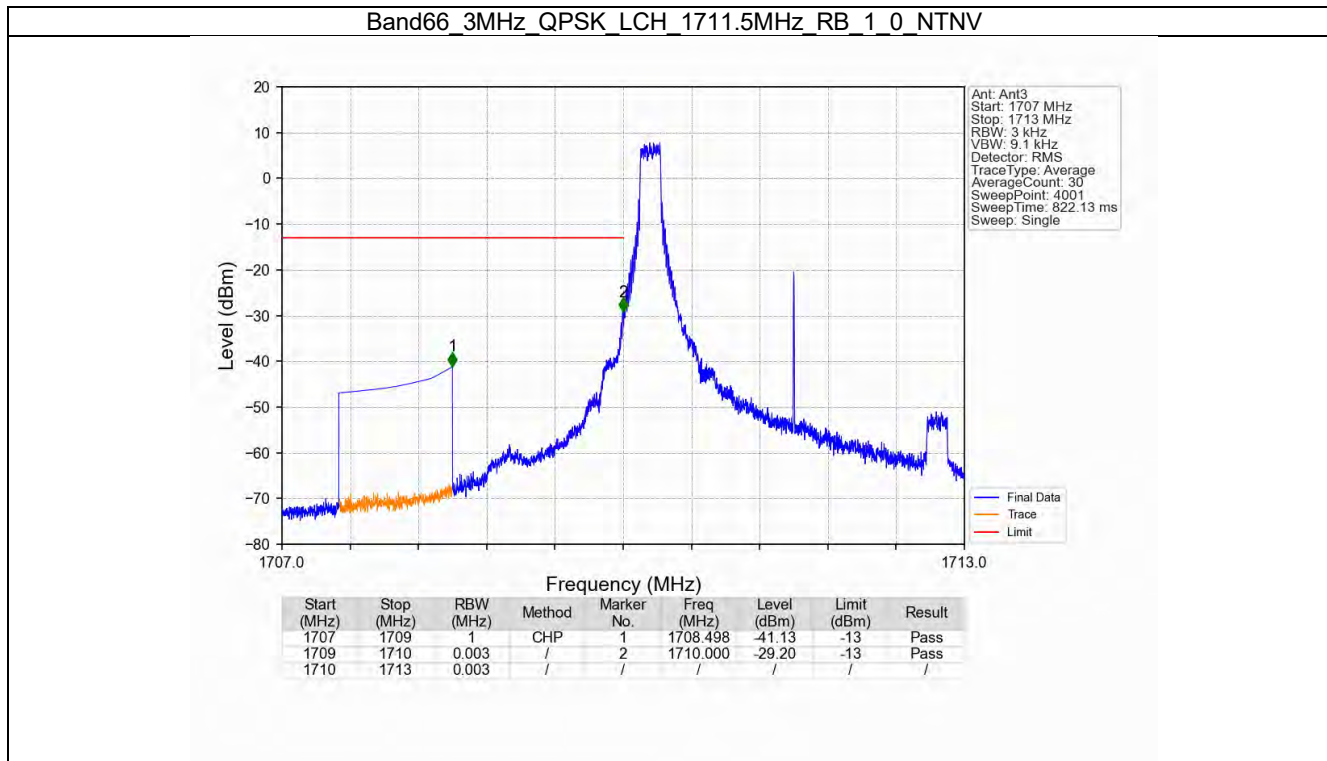
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5.2.2 Test Graph



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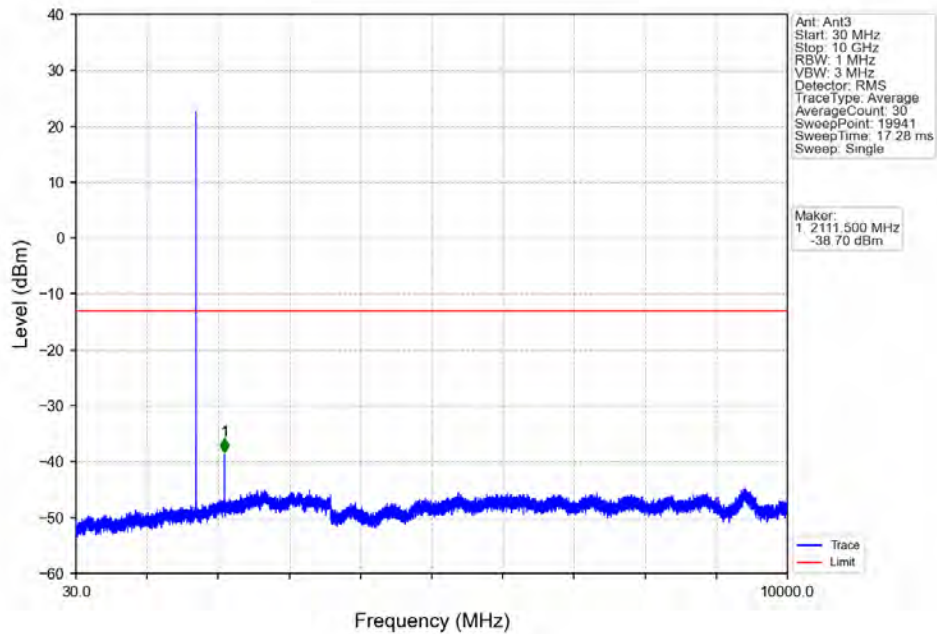
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Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



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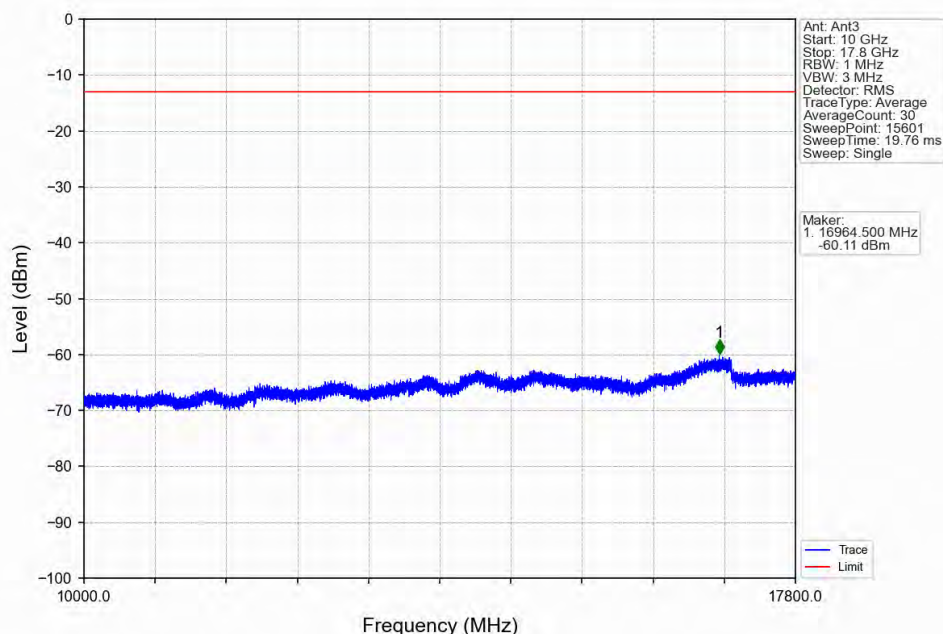
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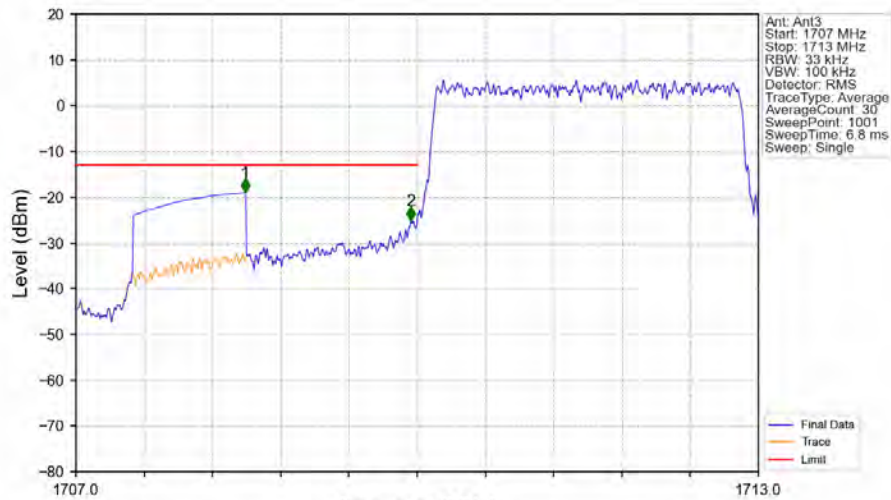
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.488	-19.00	-13	Pass
1709	1710	0.033	/	2	1709.946	-25.10	-13	Pass
1710	1713	0.033	/	/	/	/	/	/



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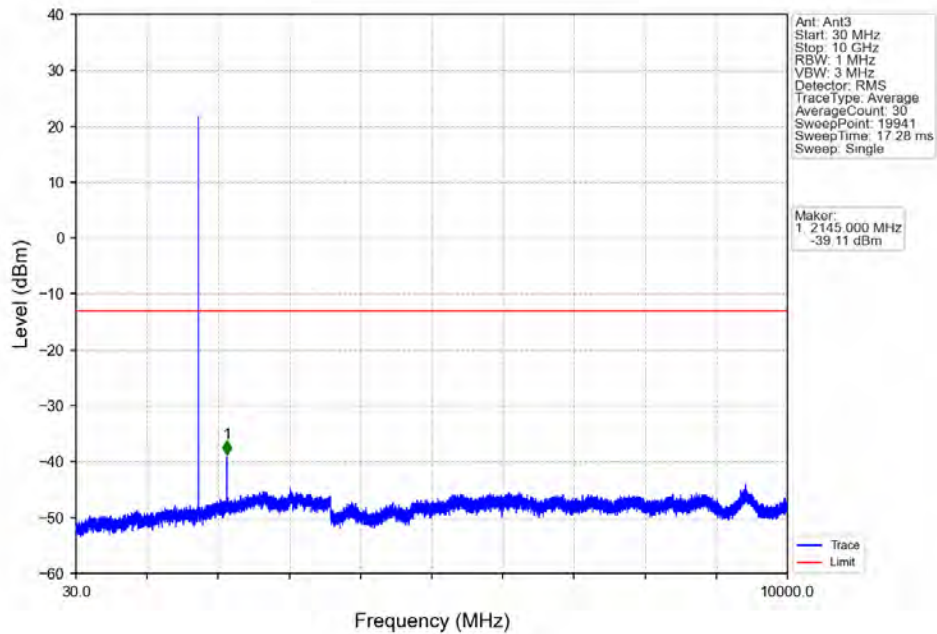
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Band66_3MHz QPSK MCH_1745MHz_RB_1_0_NTNV



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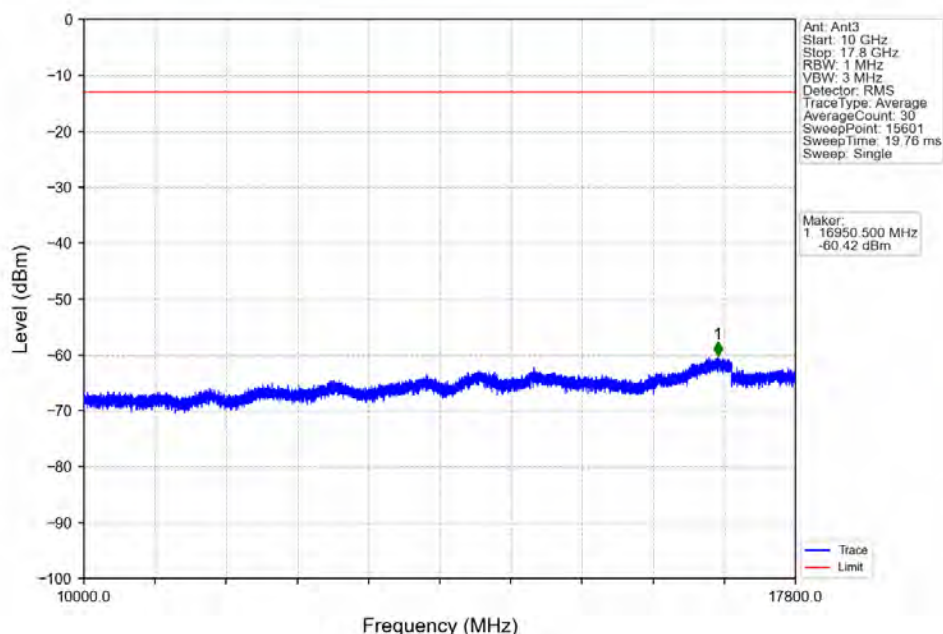
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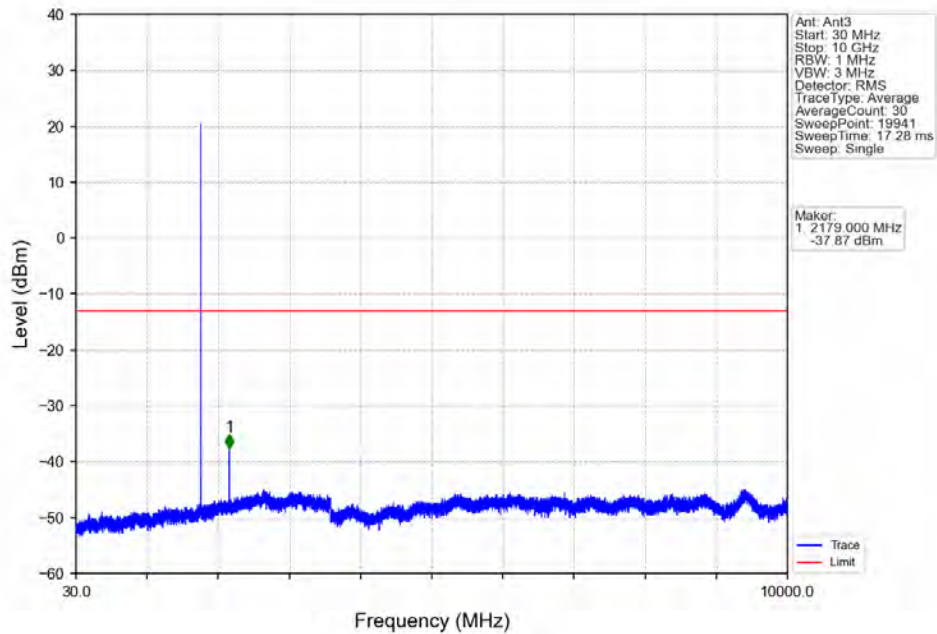
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Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_0_NTNV



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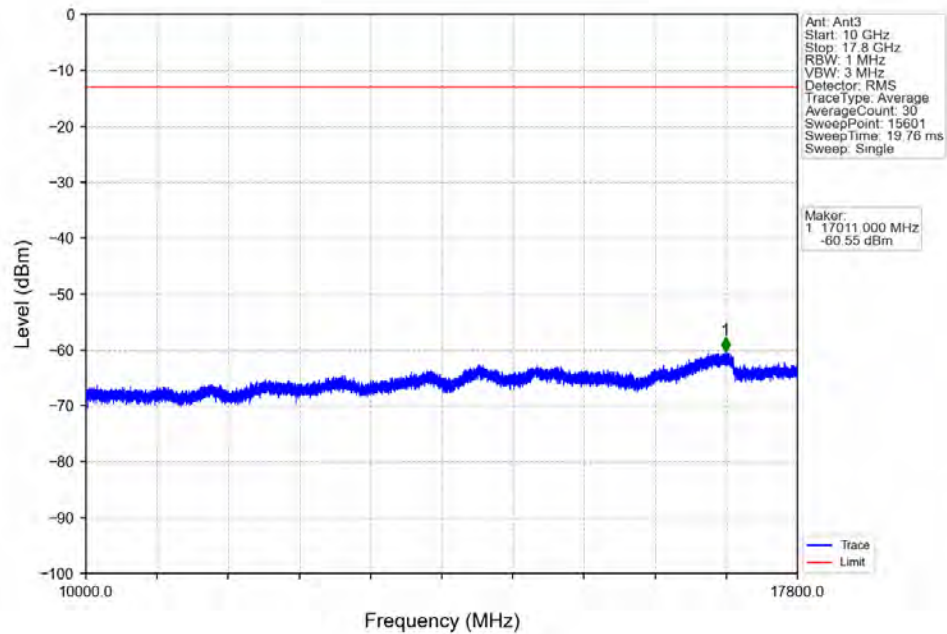
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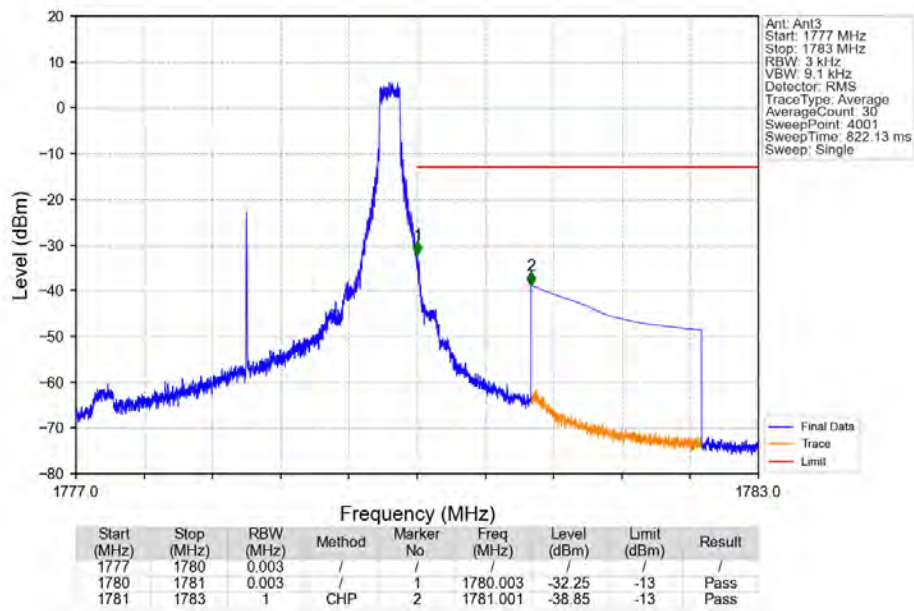
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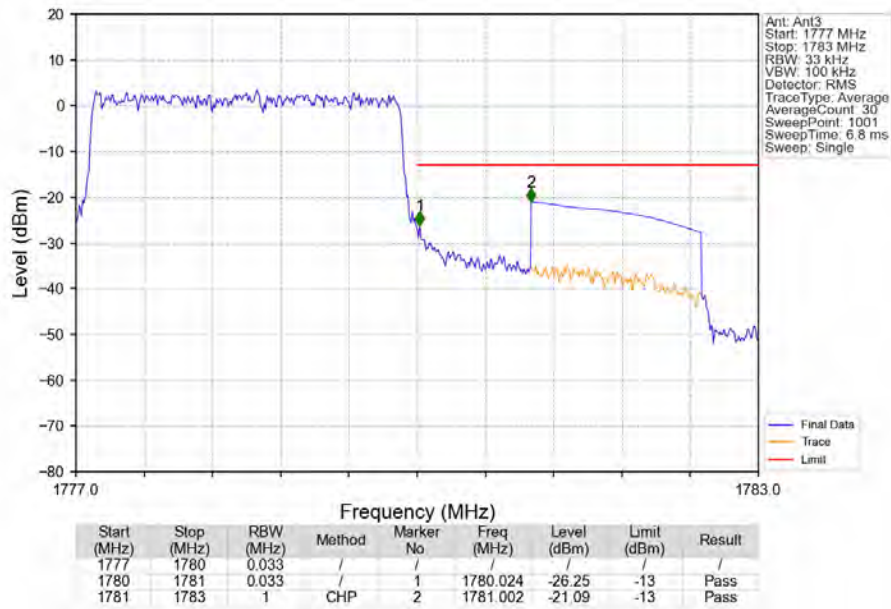
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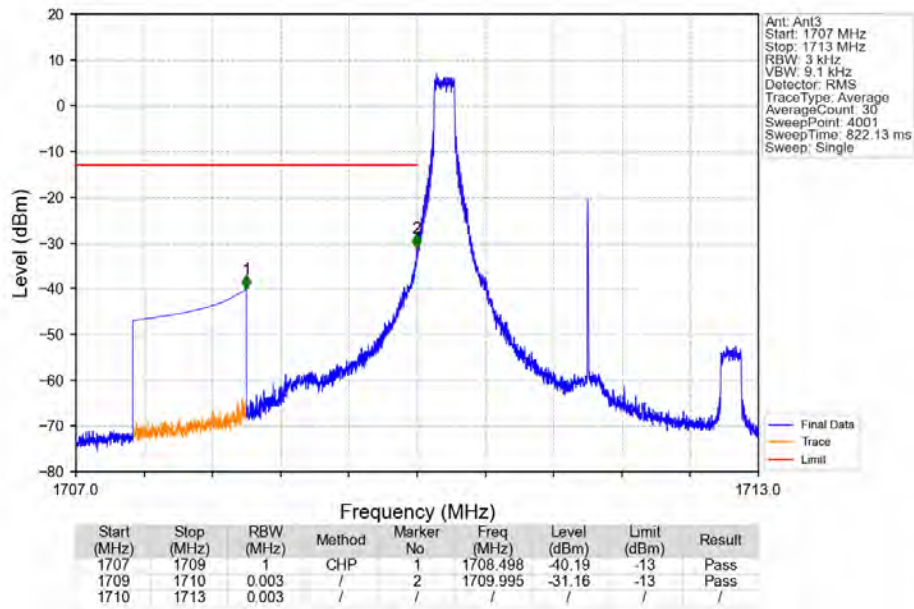
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Band66_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



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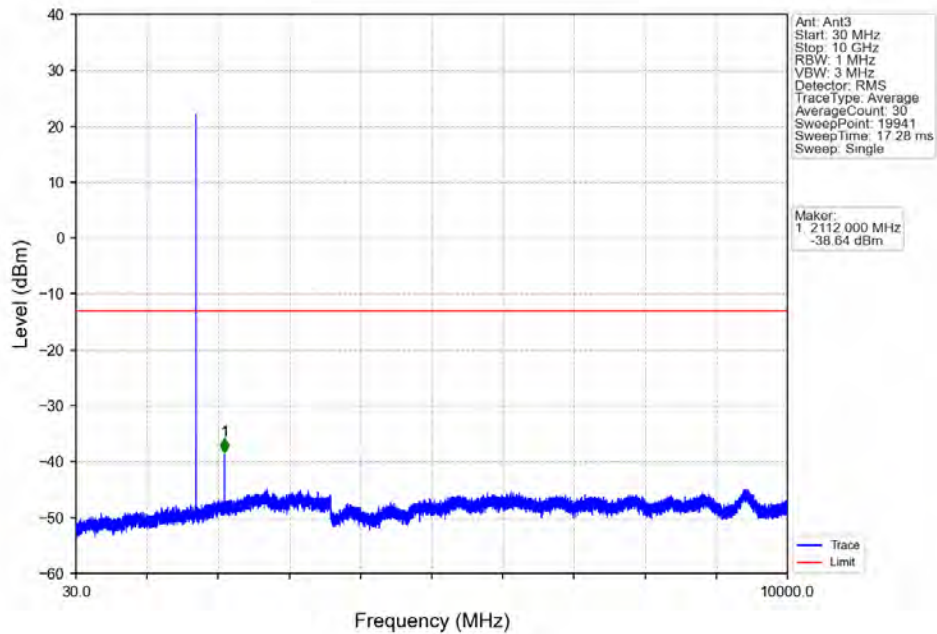
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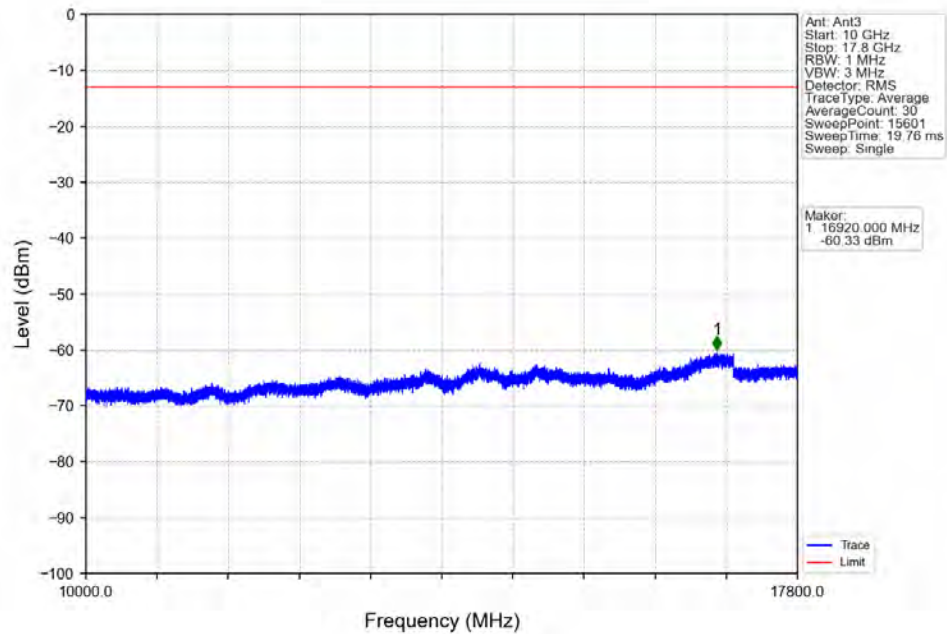
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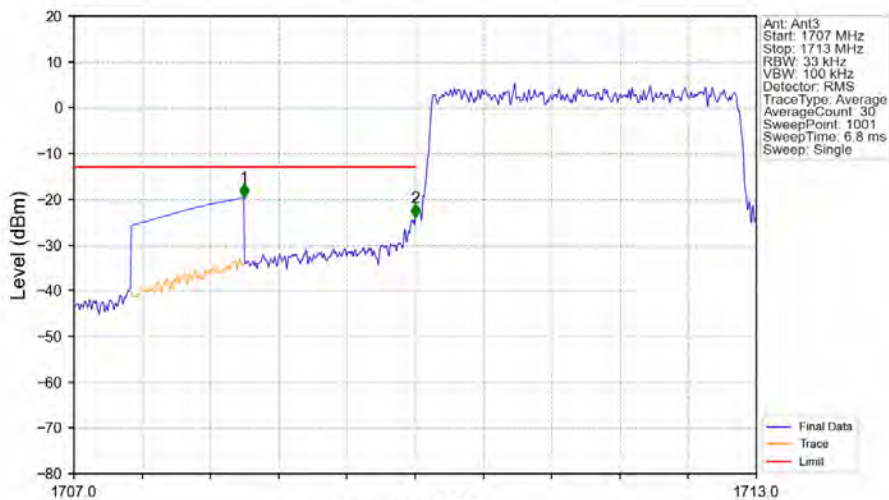
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Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-19.75	-13	Pass
1709	1710	0.033	/	2	1710.000	-24.13	-13	Pass
1710	1713	0.033	/	/	/	/	/	/



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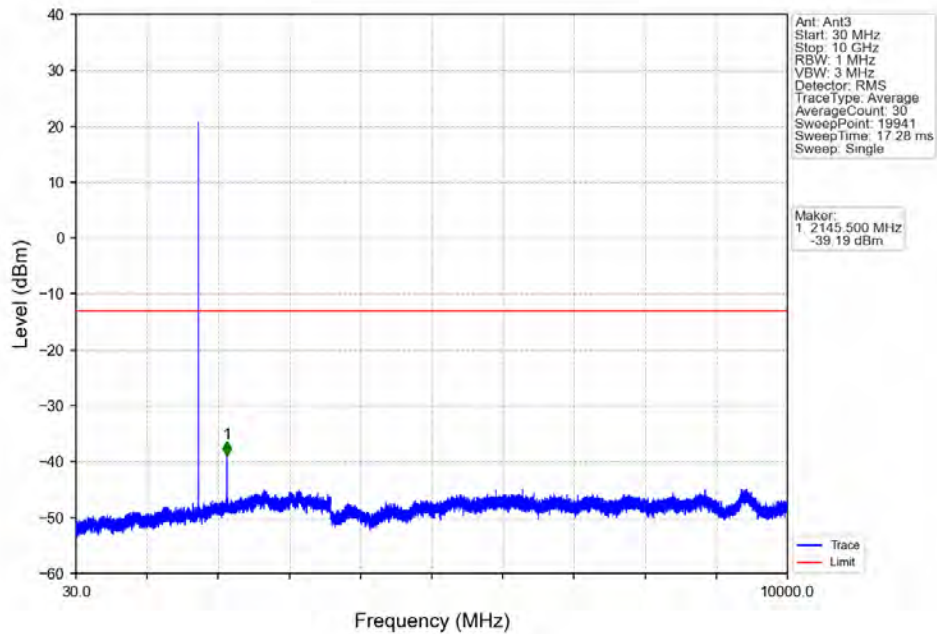
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Band66_3MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



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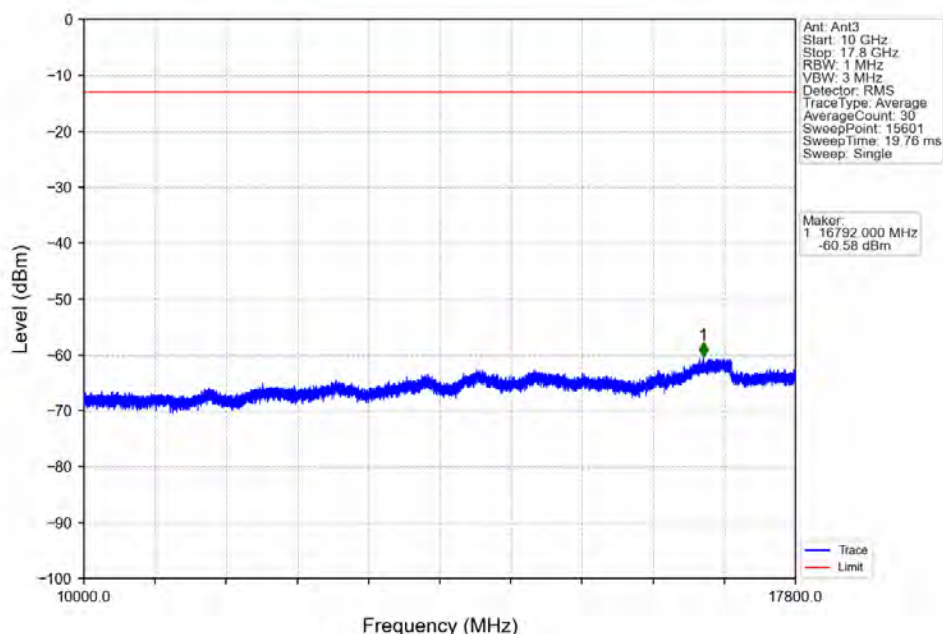
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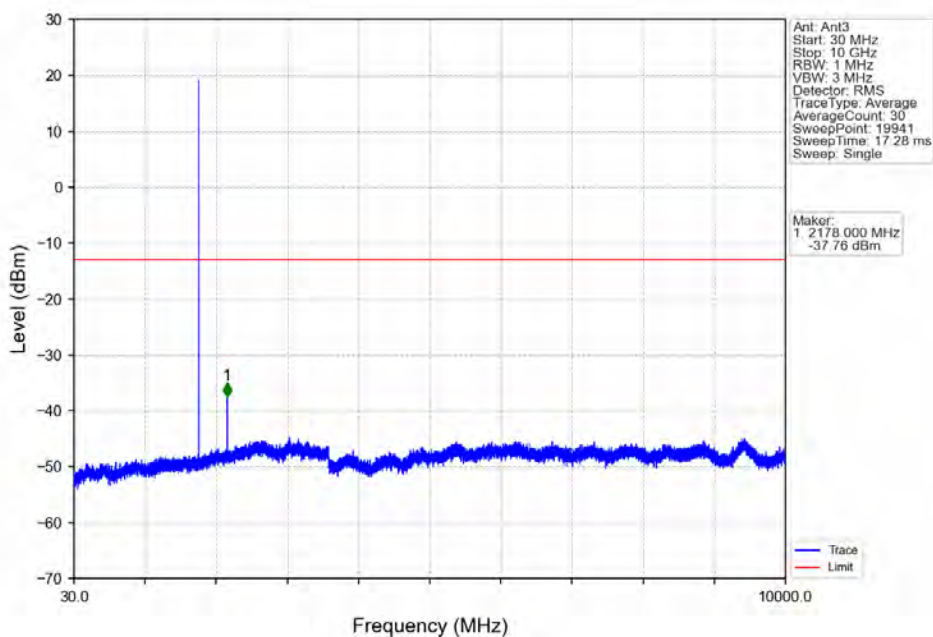
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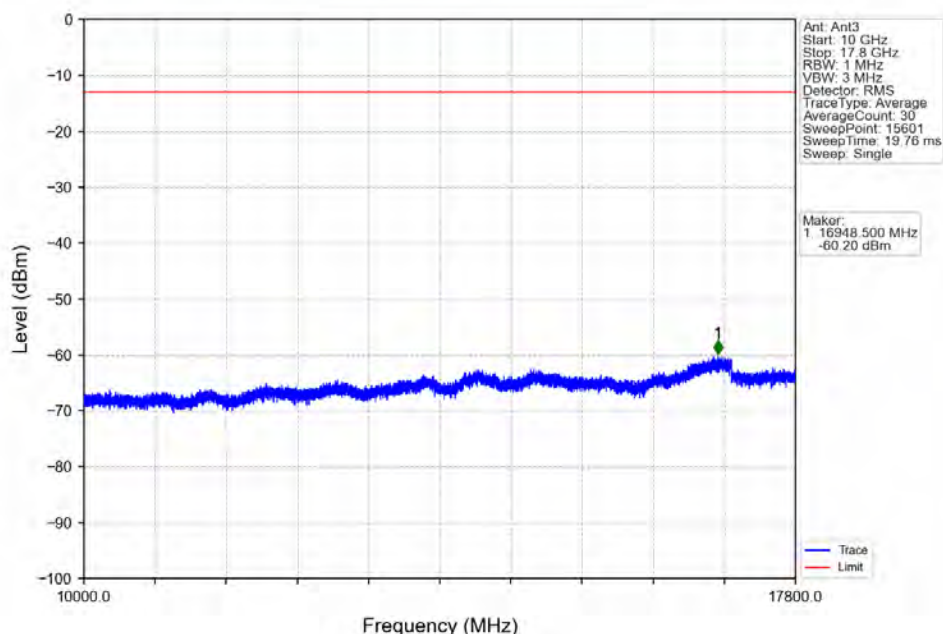
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Band66_3MHz_16QAM_HCH_1778.5MHz_RB_1_0_NTNV



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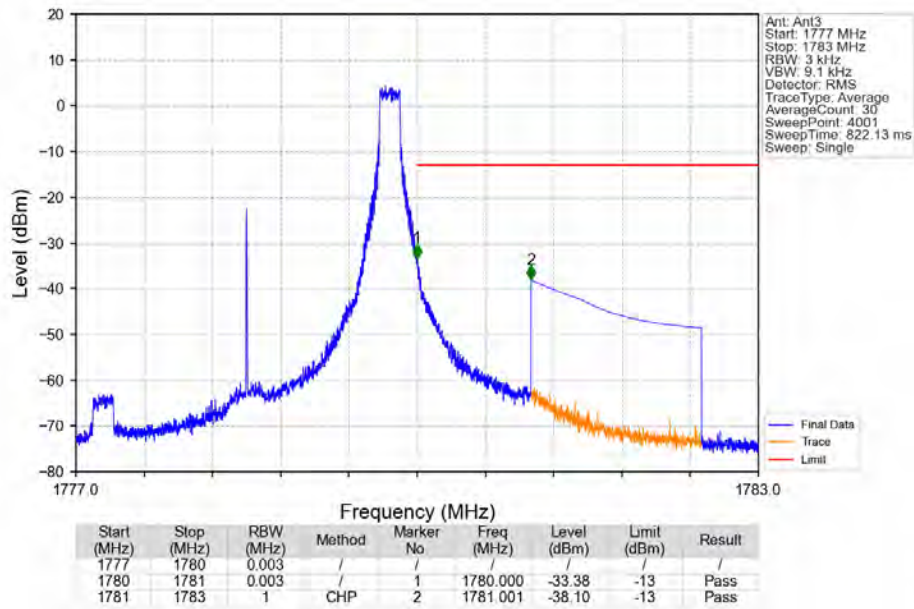
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Band66_3MHz_16QAM_HCH_1778.5MHz_RB_1_14_NTNV



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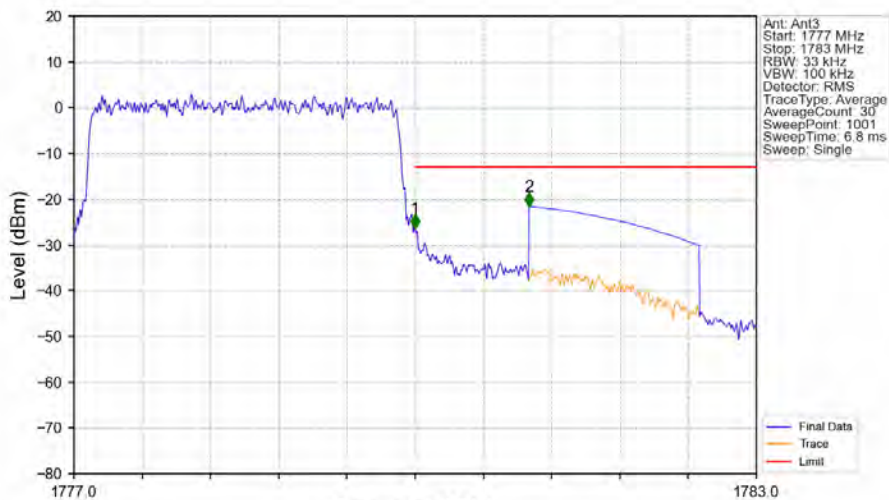
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Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



Frequency (MHz)								
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.033	/	/	/	/	/	/
1780	1781	0.033	/	1	1780.000	-26.35	-13	Pass
1781	1783	1	CHP	2	1781.002	-21.60	-13	Pass



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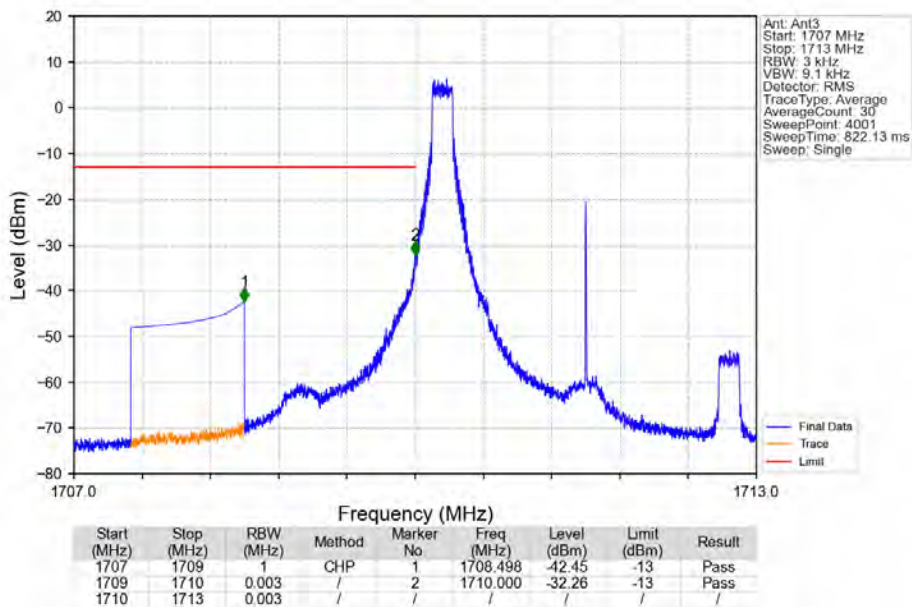
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Band66_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV



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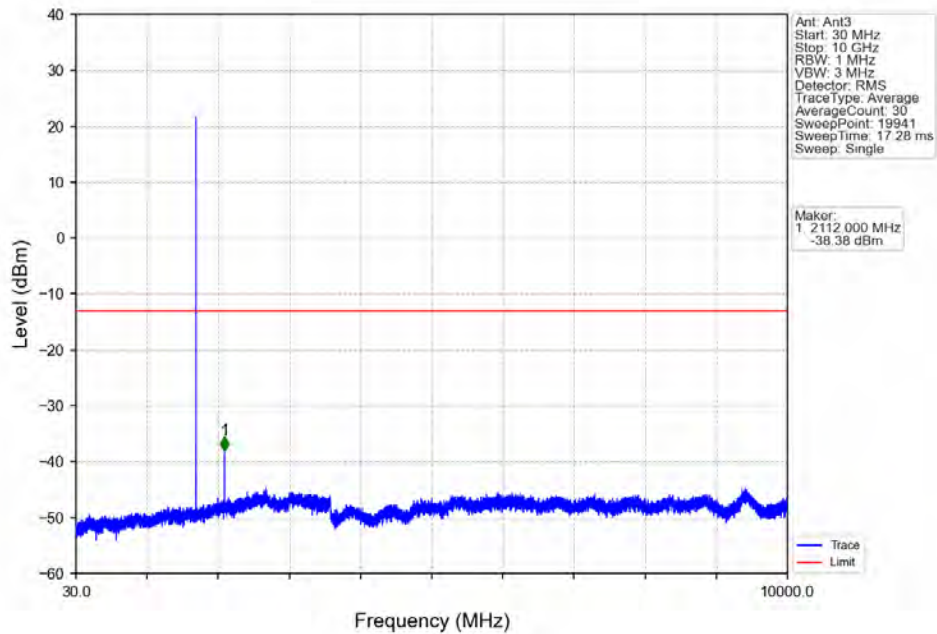
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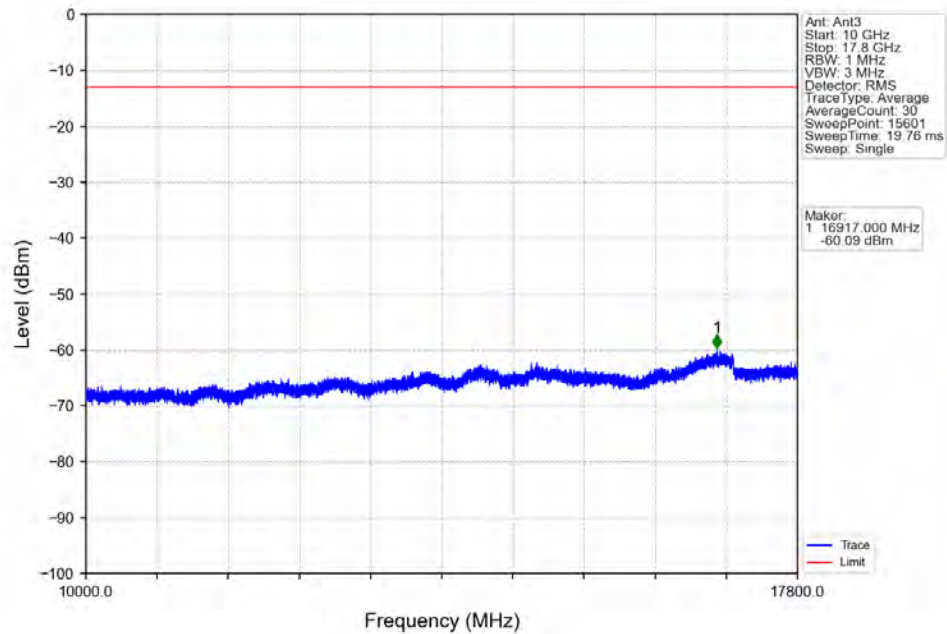
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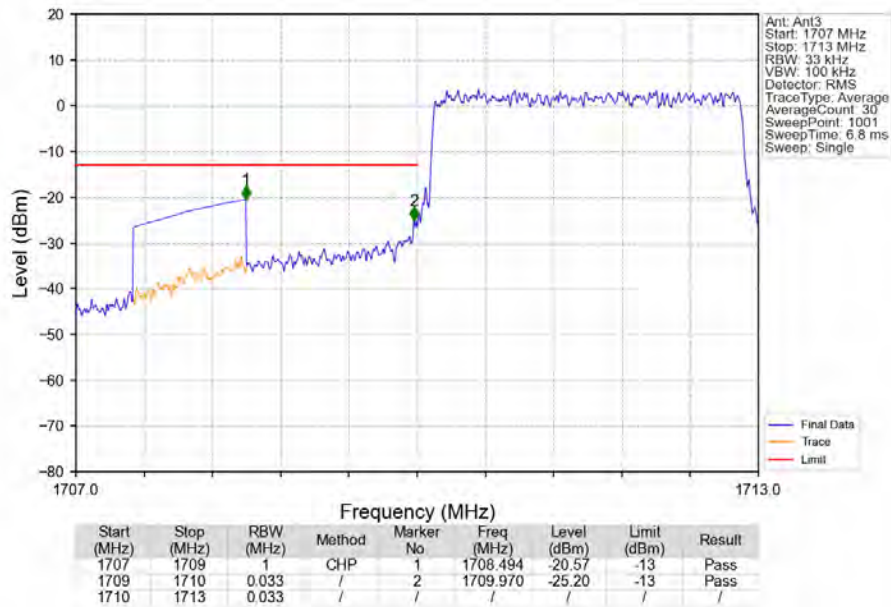
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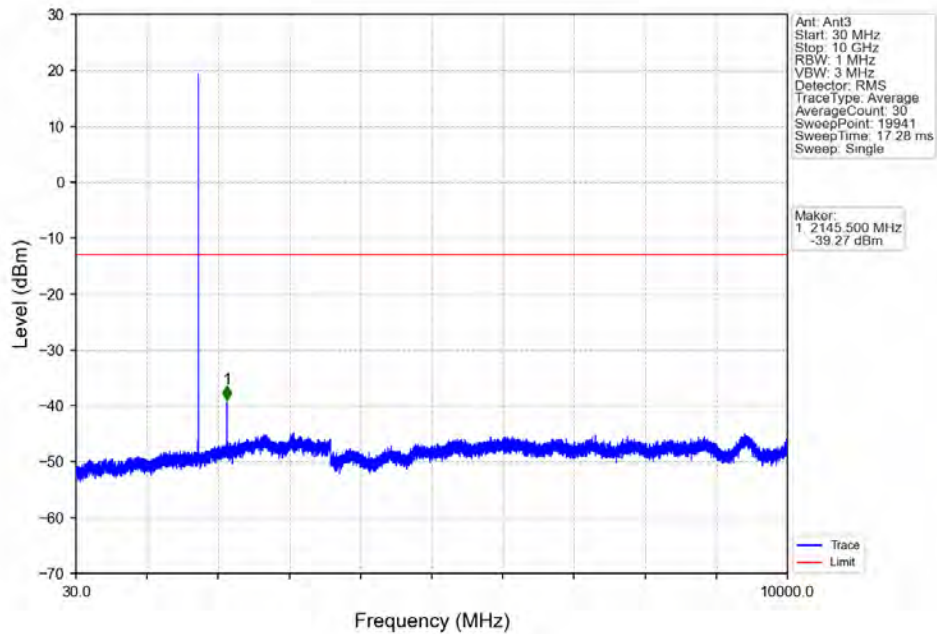
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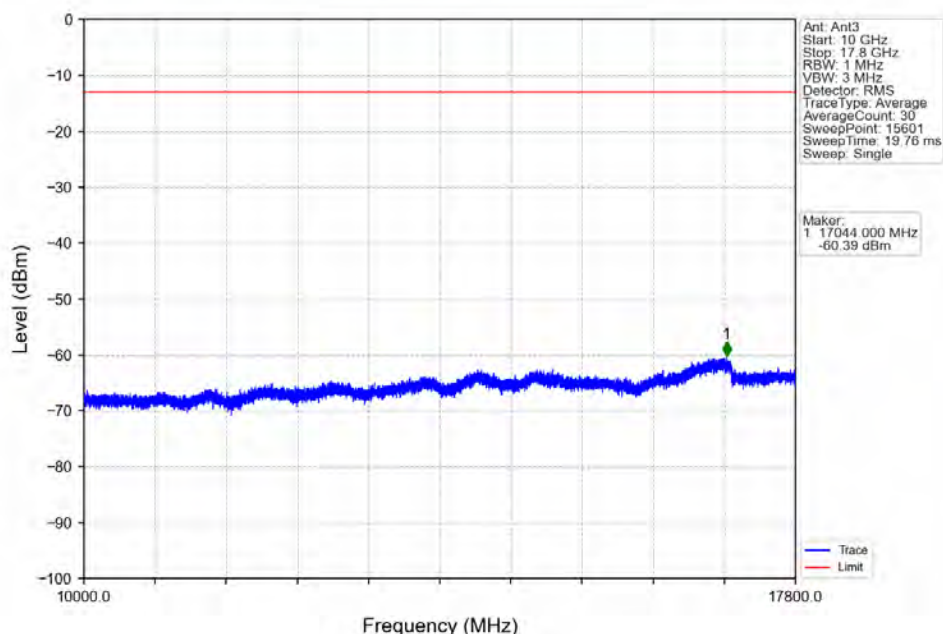
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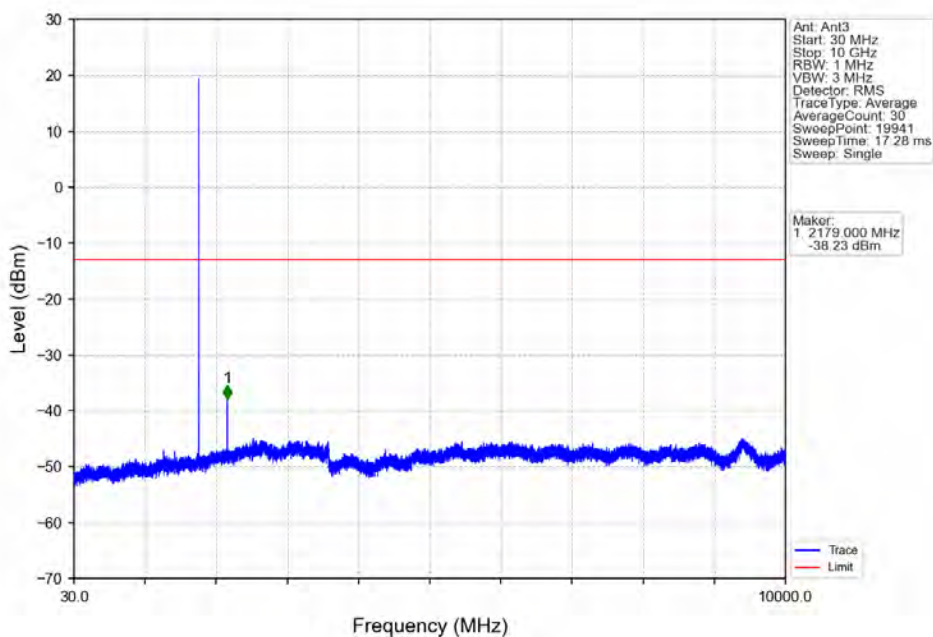
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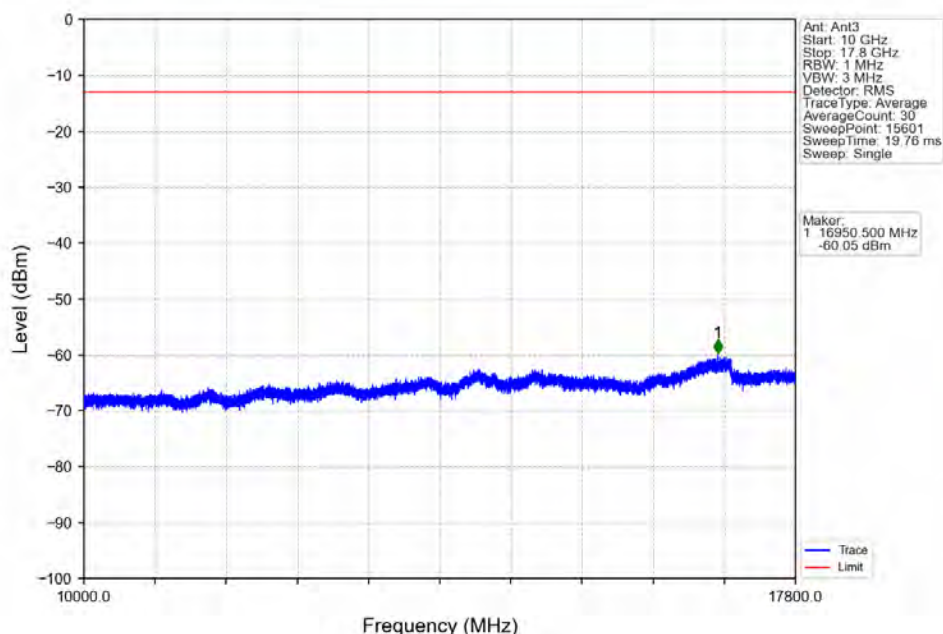
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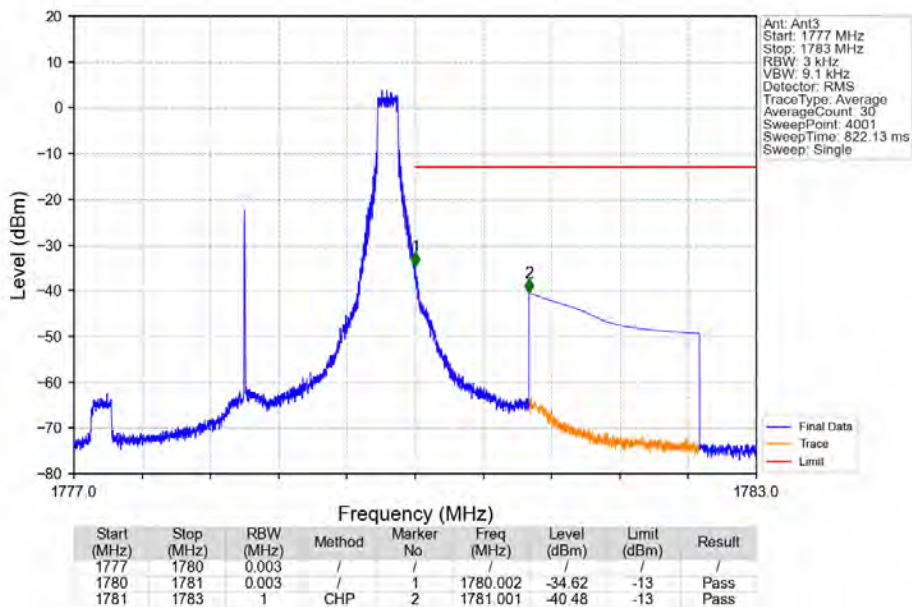
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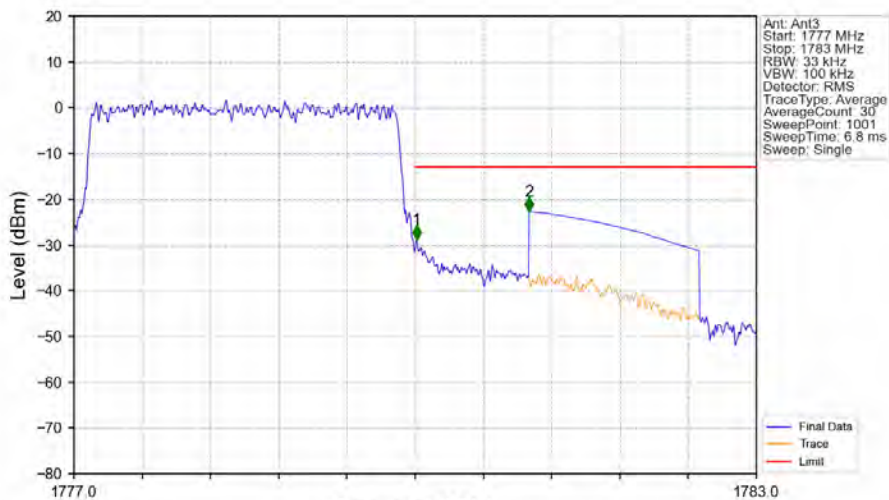
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Frequency (MHz)								
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.033	/	1	1780.012	-28.90	-13	Pass
1780	1781	0.033	/	1	1780.012	-28.90	-13	Pass
1781	1783	1	CHP	2	1781.002	-22.70	-13	Pass



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5.3 B66_5MHz

5.3.1 Test Result

Band: 66 / 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
	1745	1	0	Refer To Test Graph		Pass
	1777.5	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
	1745	1	0	Refer To Test Graph		Pass
	1777.5	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
	1745	1	0	Refer To Test Graph		Pass
	1777.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



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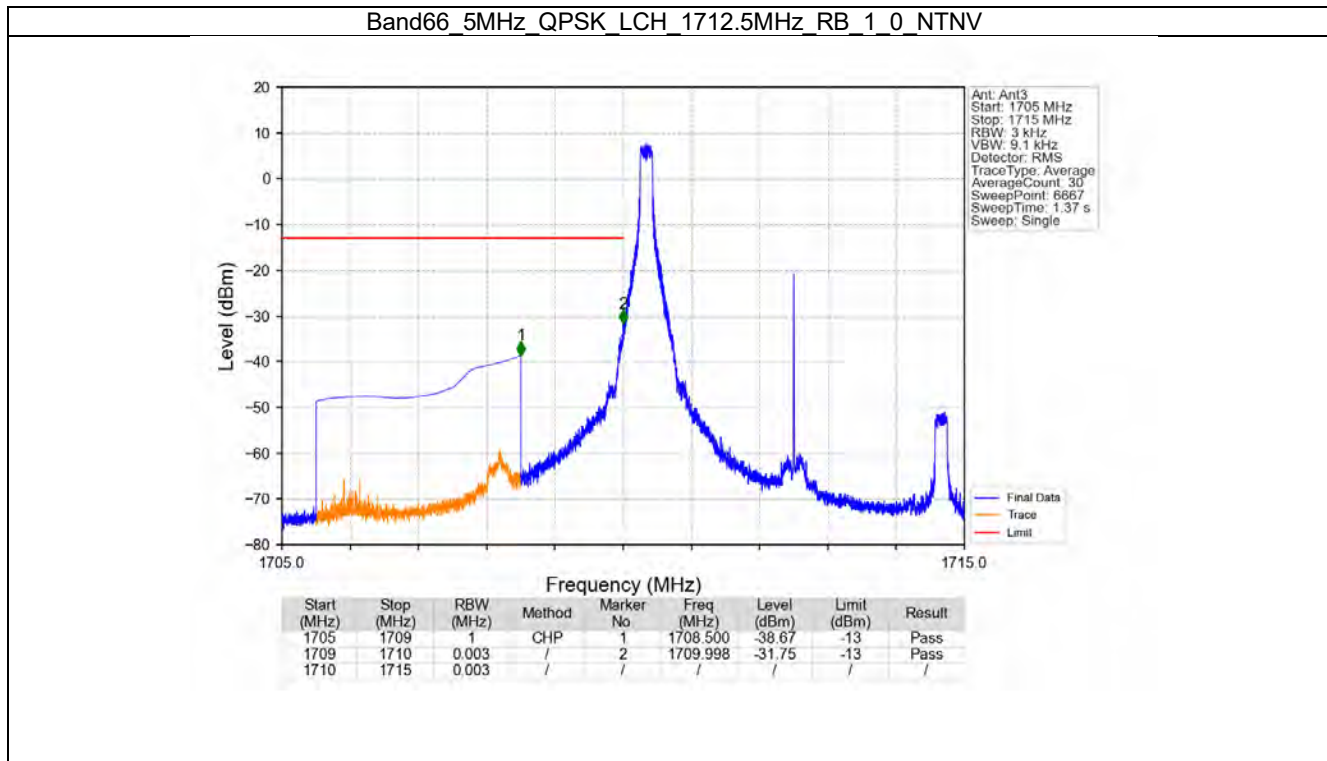
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5.3.2 Test Graph



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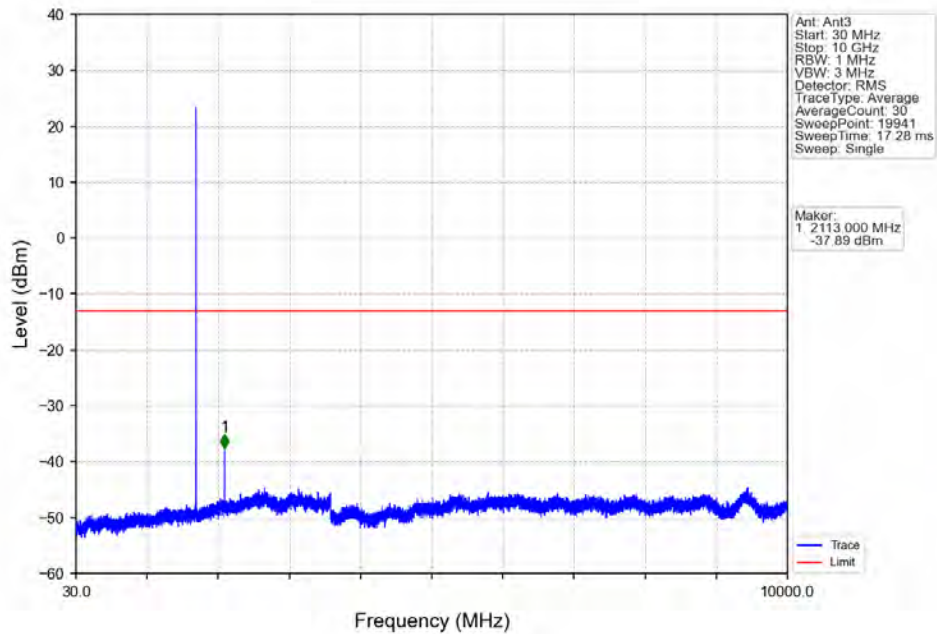
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Band66_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



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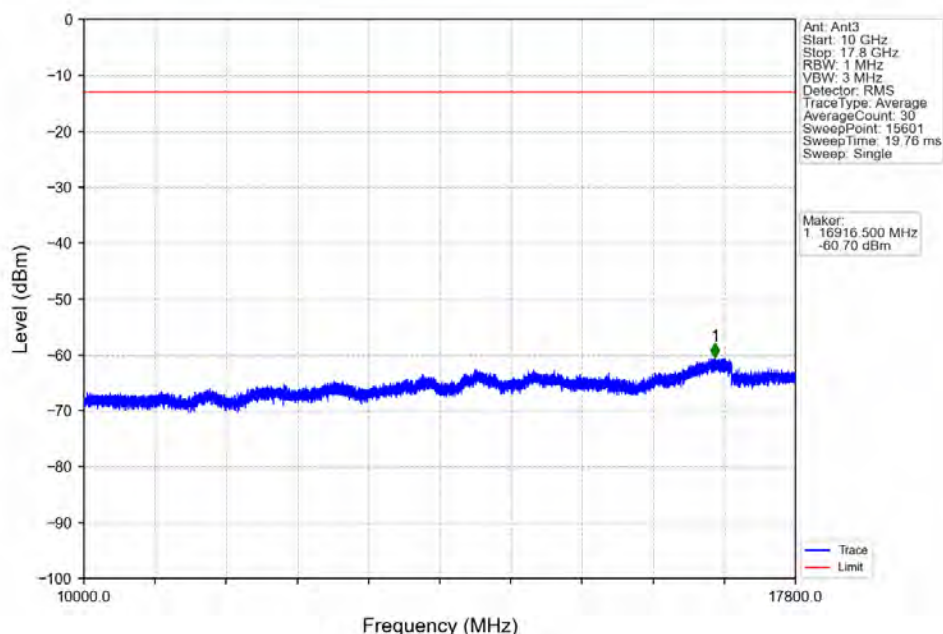
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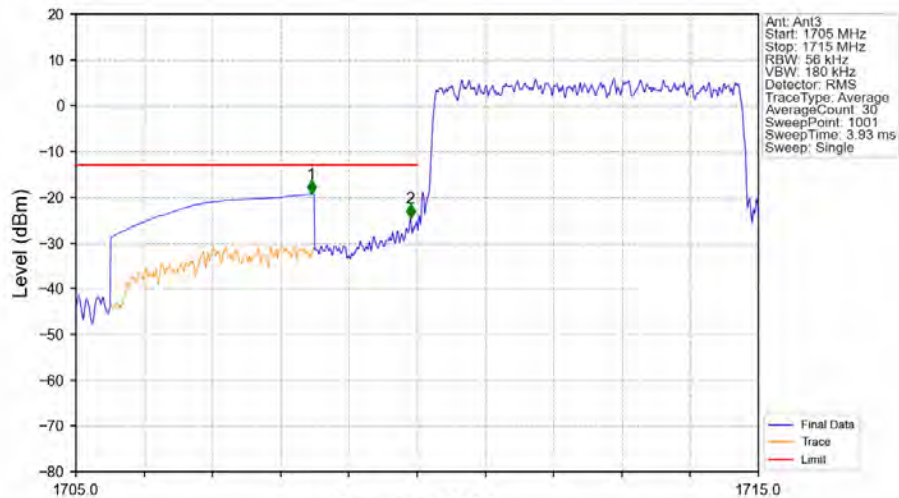
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Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.450	-19.38	-13	Pass
1709	1710	0.056	/	2	1709.900	-24.64	-13	Pass
1710	1715	0.056	/	/	/	/	/	/



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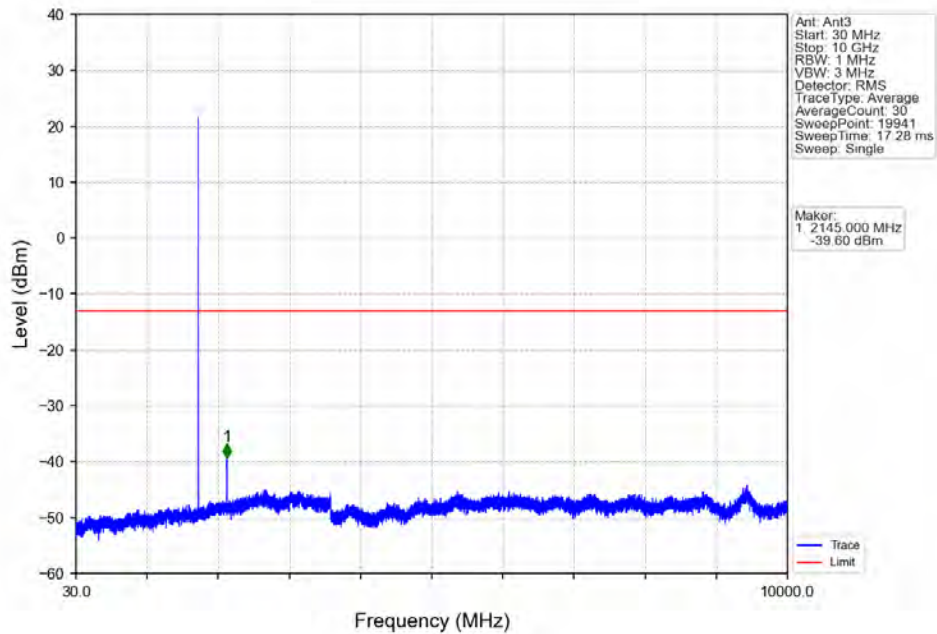
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Band66_5MHz QPSK MCH_1745MHz_RB_1_0_NTNV



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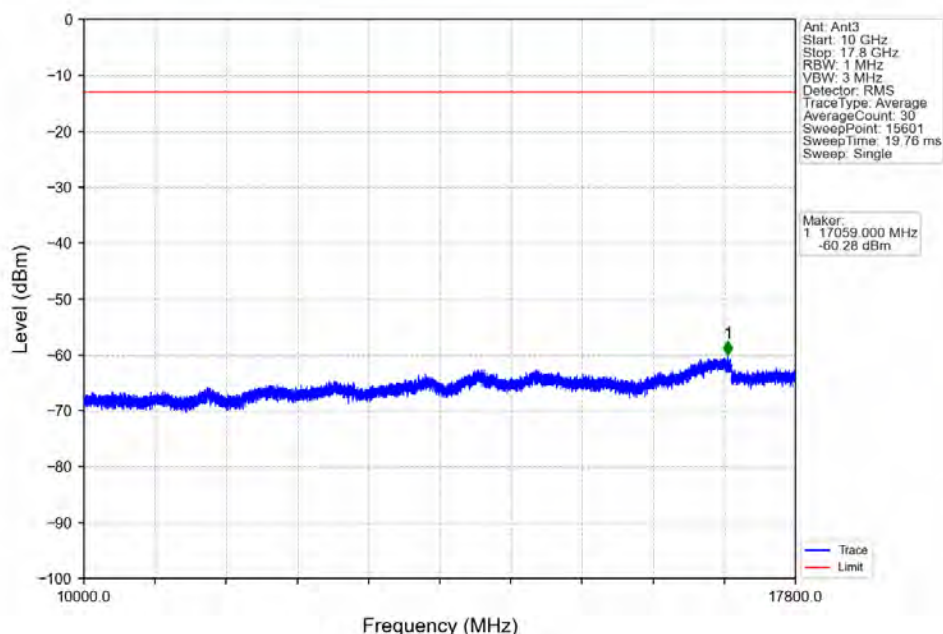
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Band66_5MHz QPSK MCH_1745MHz_RB_1_0_NTNV



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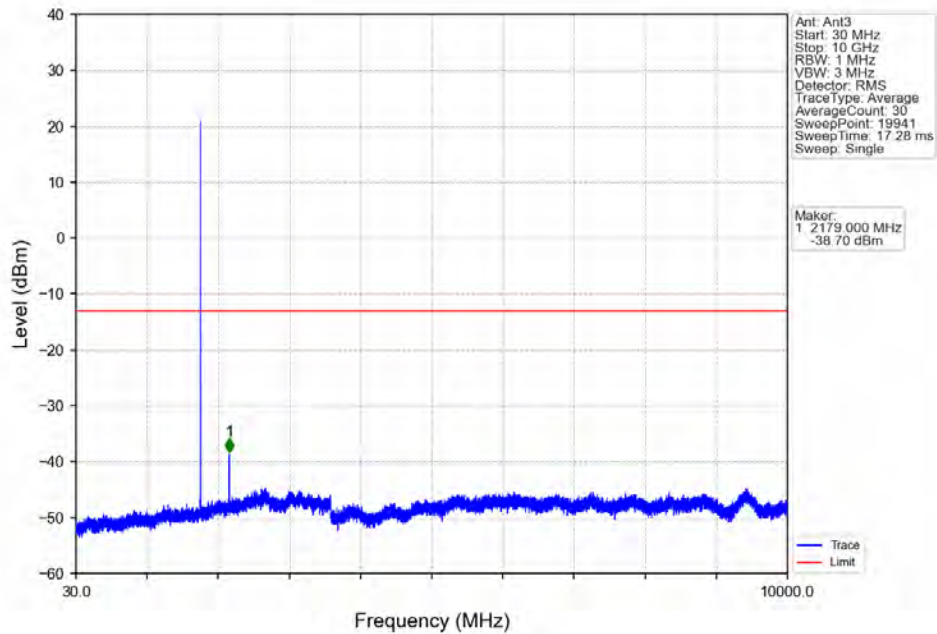
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Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_0_NTNV



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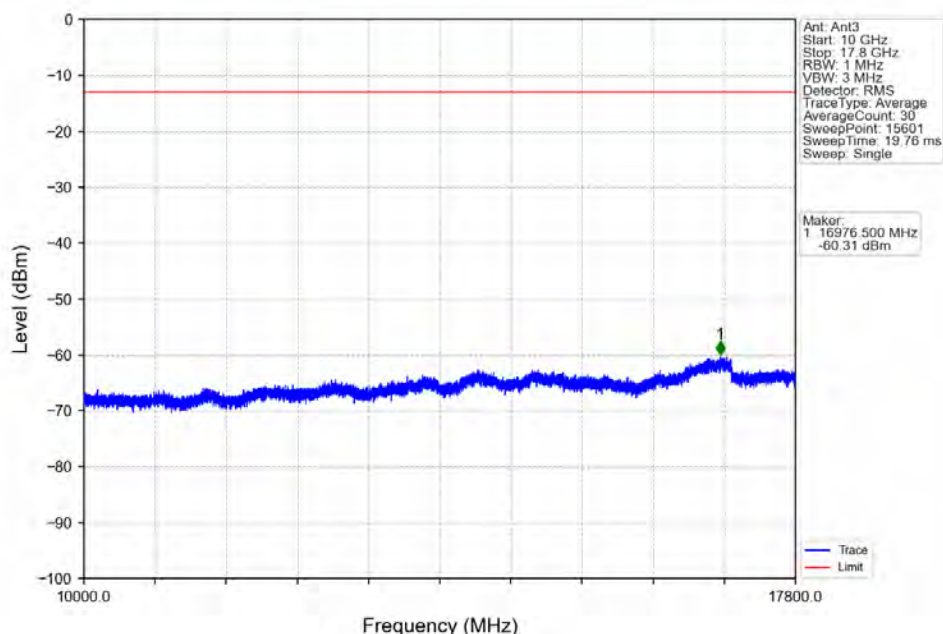
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Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_0_NTNV



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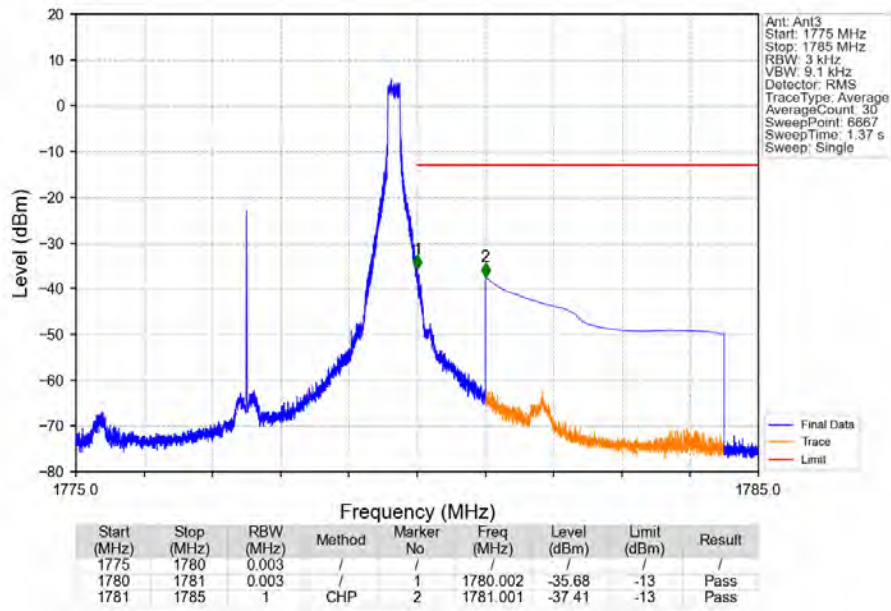
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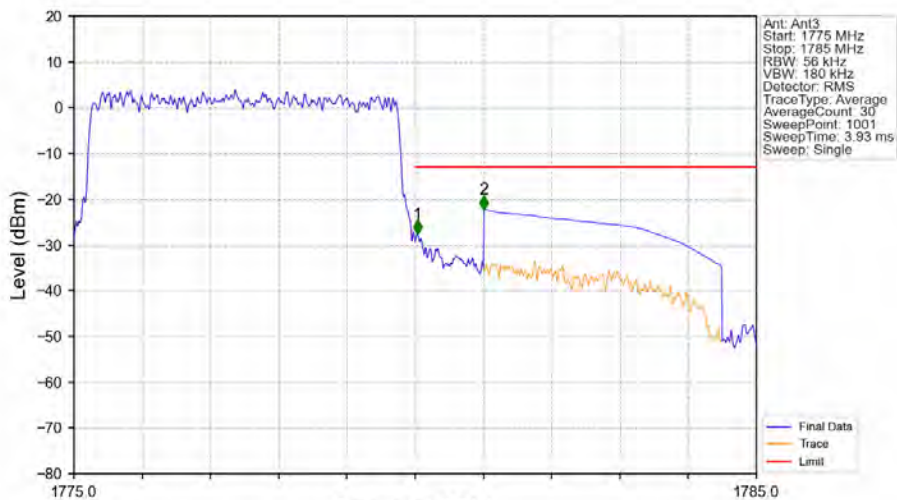
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Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



		Frequency (MHz)							
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result	
1775	1780	0.056	/	/	/	/	/	/	
1780	1781	0.056	/	1	1780.030	-27.62	-13	Pass	
1781	1785	1	CHP	2	1781.010	-22.27	-13	Pass	



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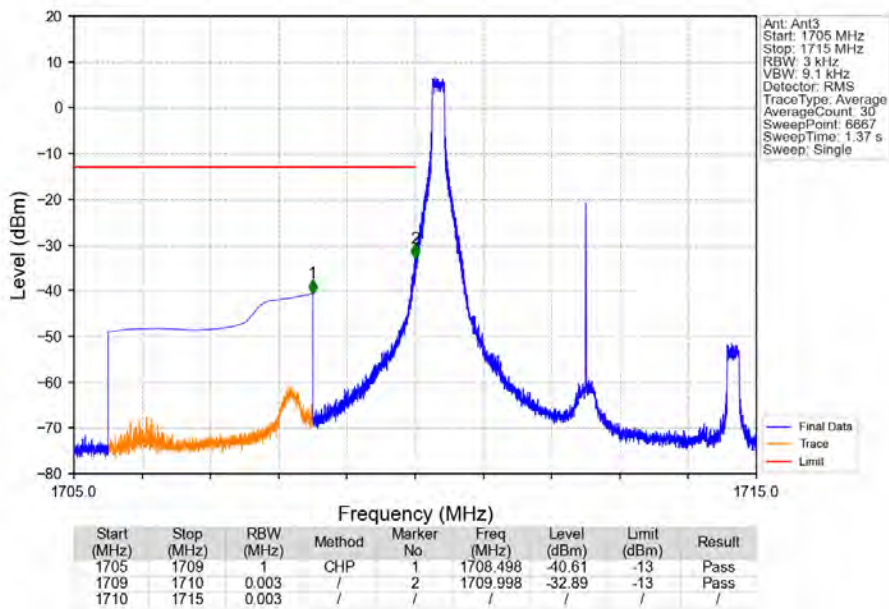
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Band66_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



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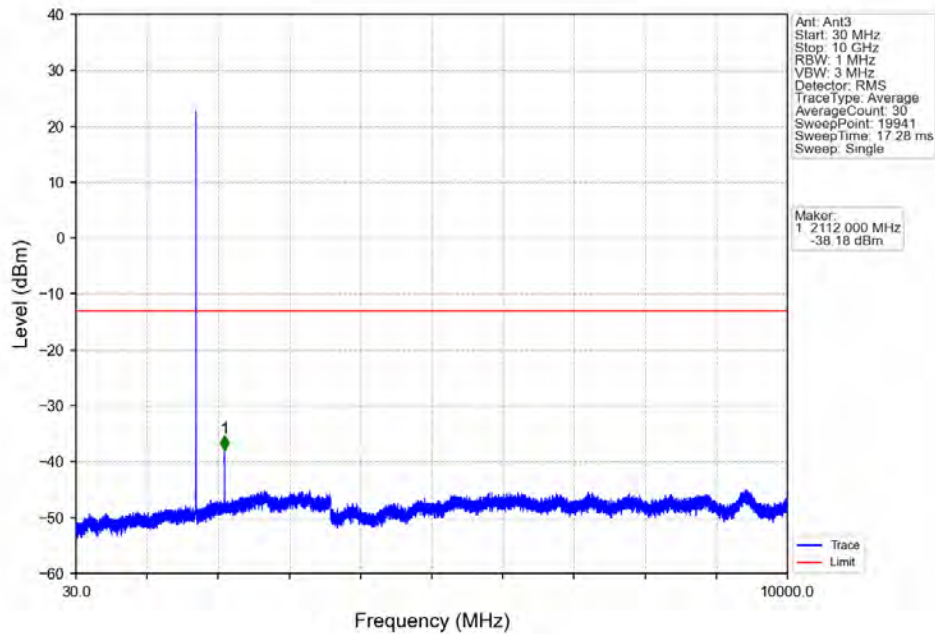
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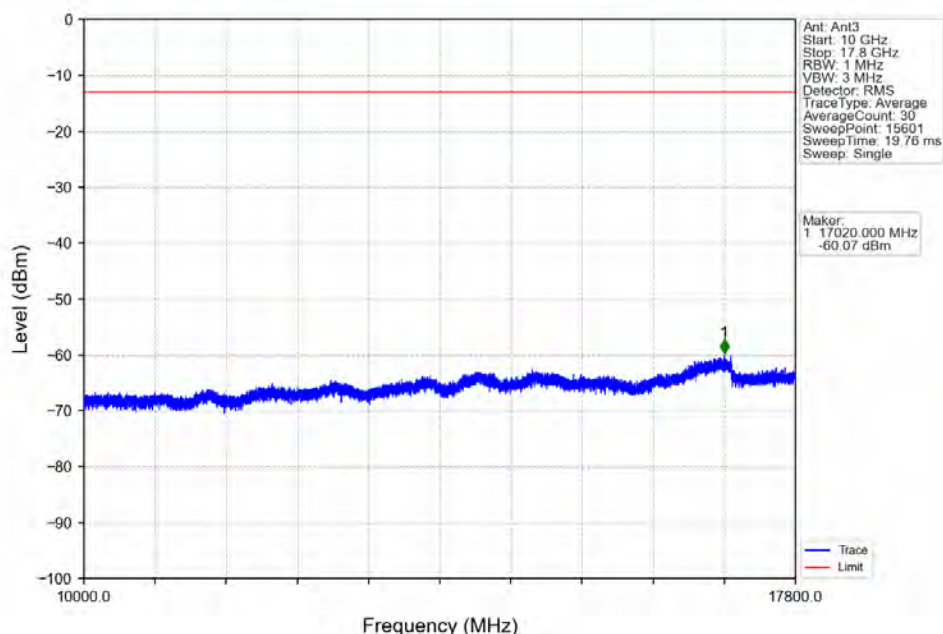
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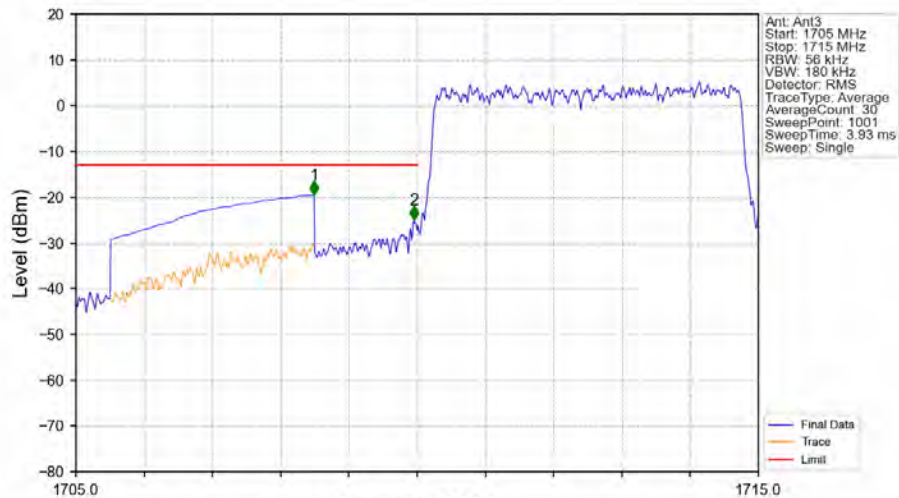
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Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-19.58	-13	Pass
1709	1710	0.056	/	2	1709.950	-24.99	-13	Pass
1710	1715	0.056	/	/	/	/	/	/



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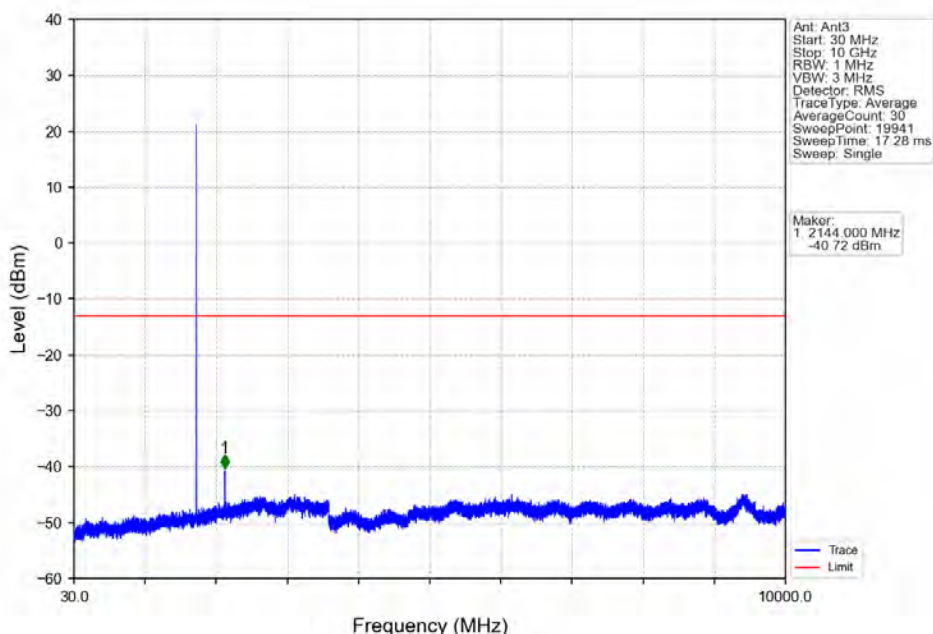
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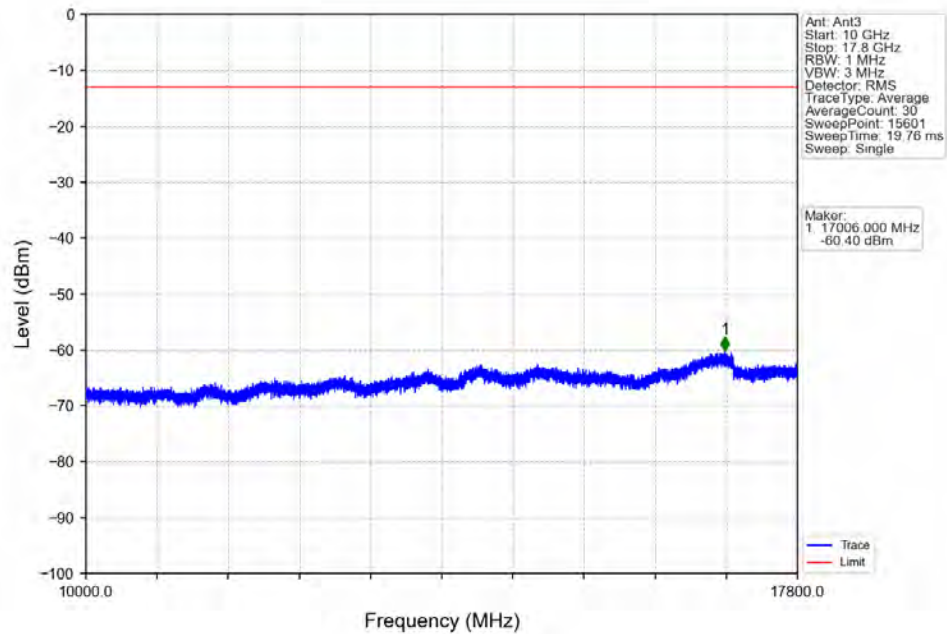
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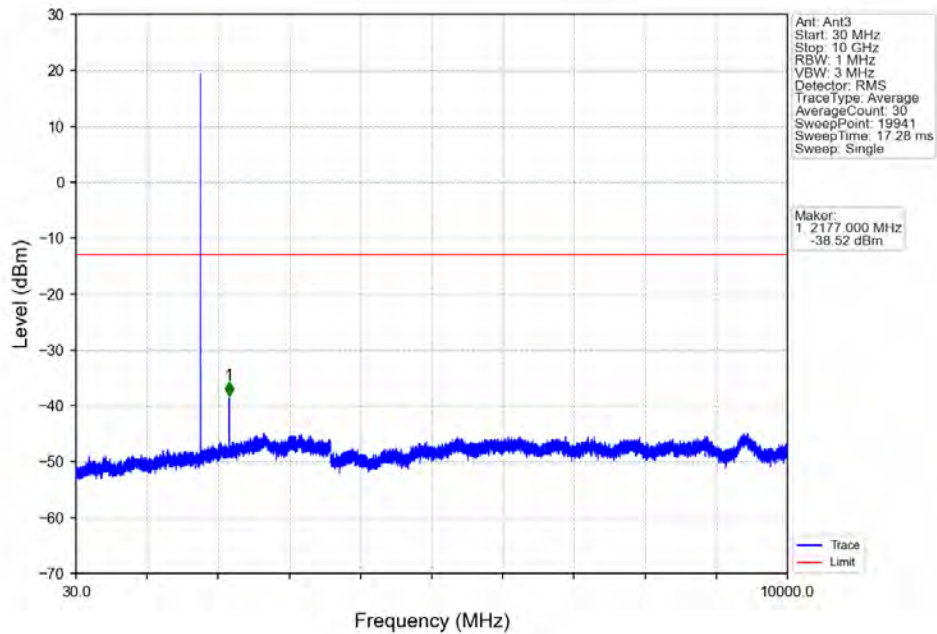
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Band66_5MHz_16QAM_HCH_1777.5MHz_RB_1_0_NTNV



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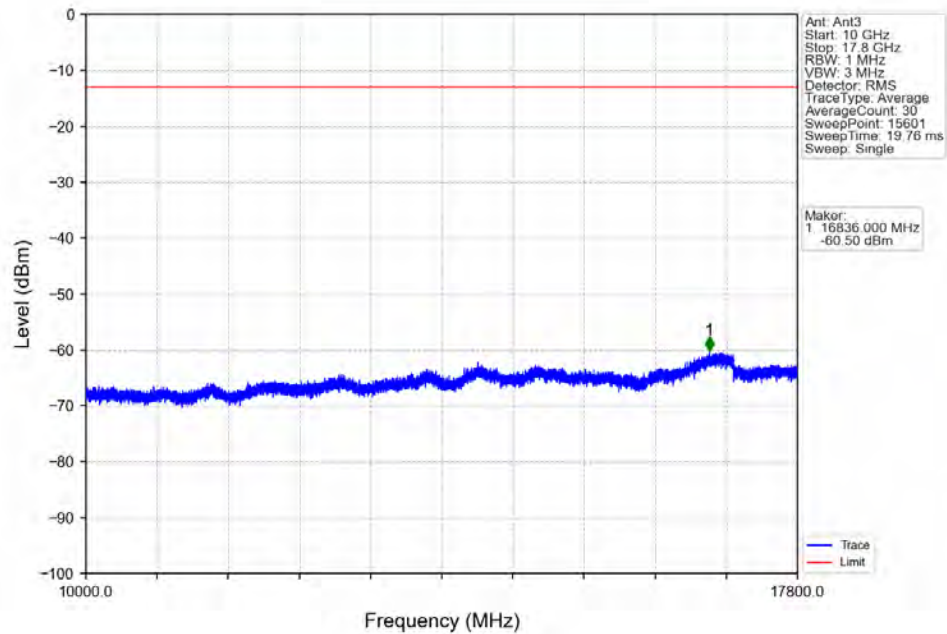
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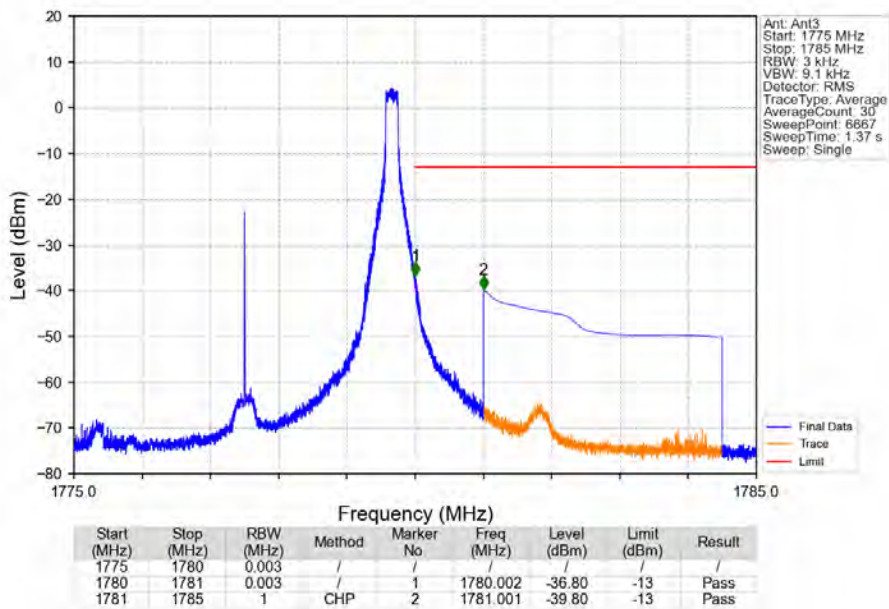
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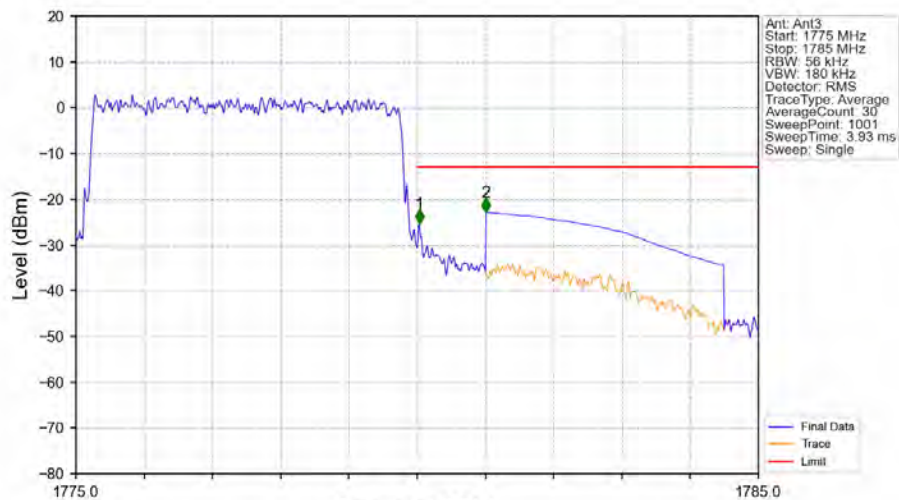
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Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.056	/	1	1780.030	-25.33	-13	Pass
1780	1781	0.056	/	2	1781.010	-22.82	-13	Pass
1781	1785	1	CHP					



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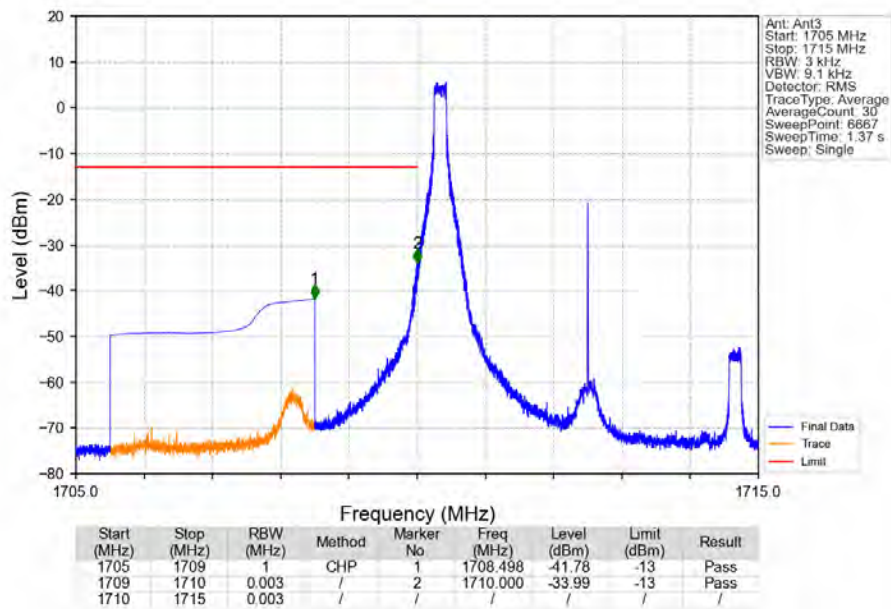
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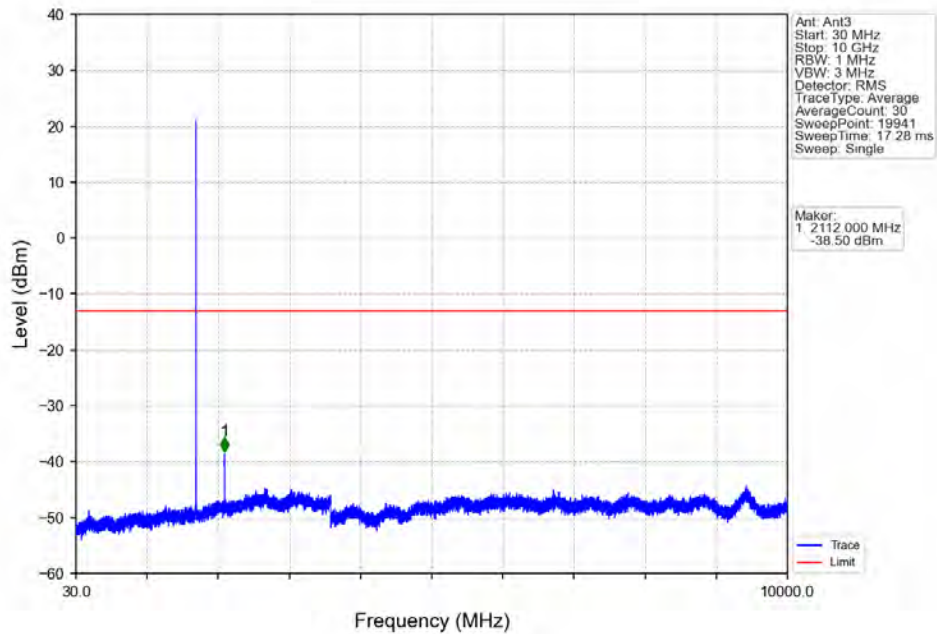
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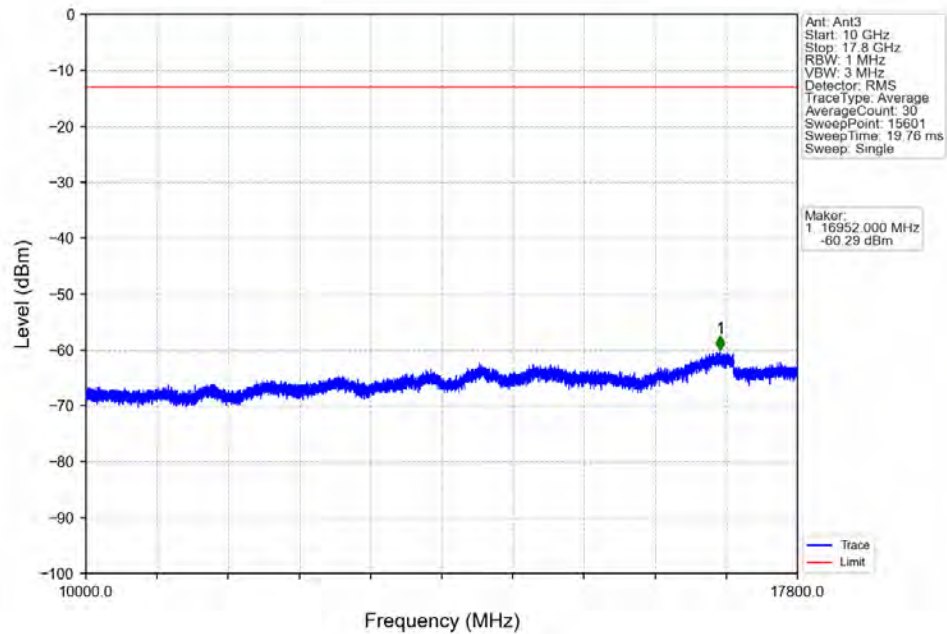
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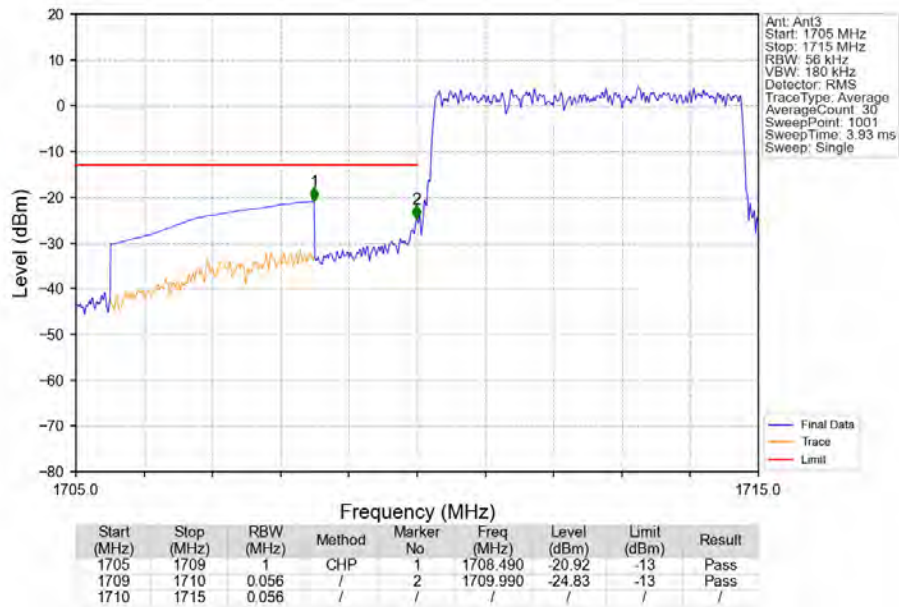
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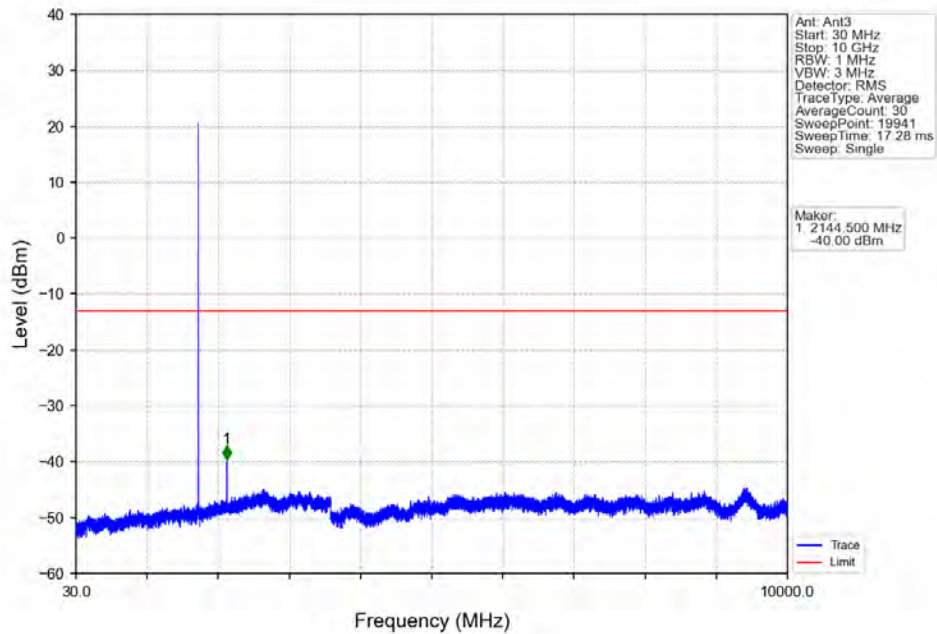
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Band66_5MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



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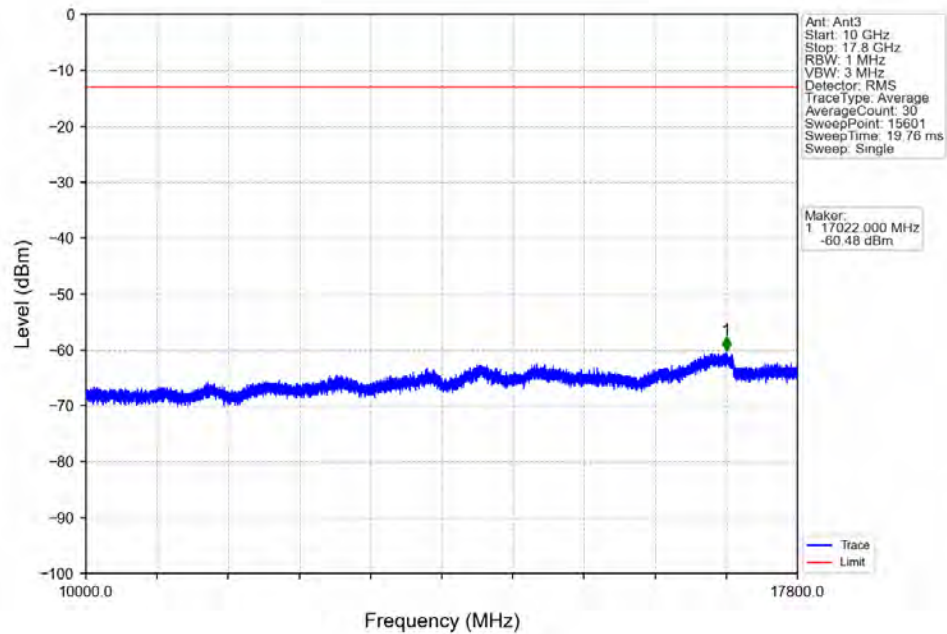
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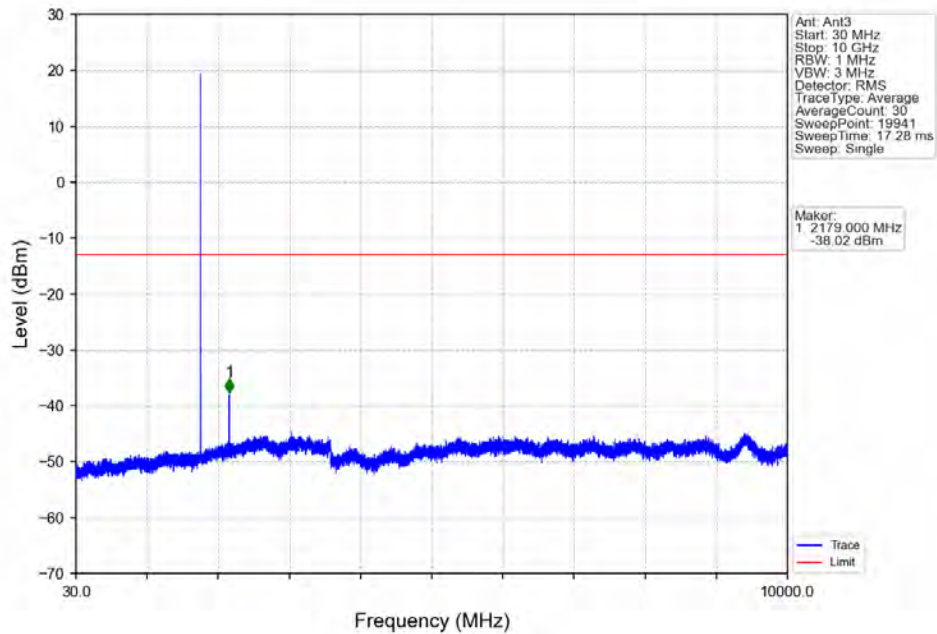
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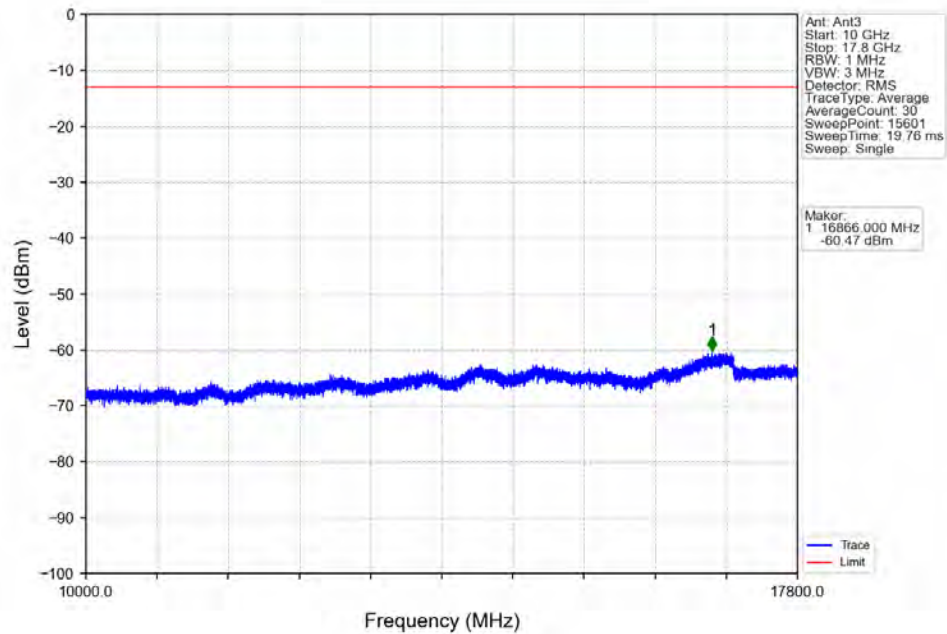
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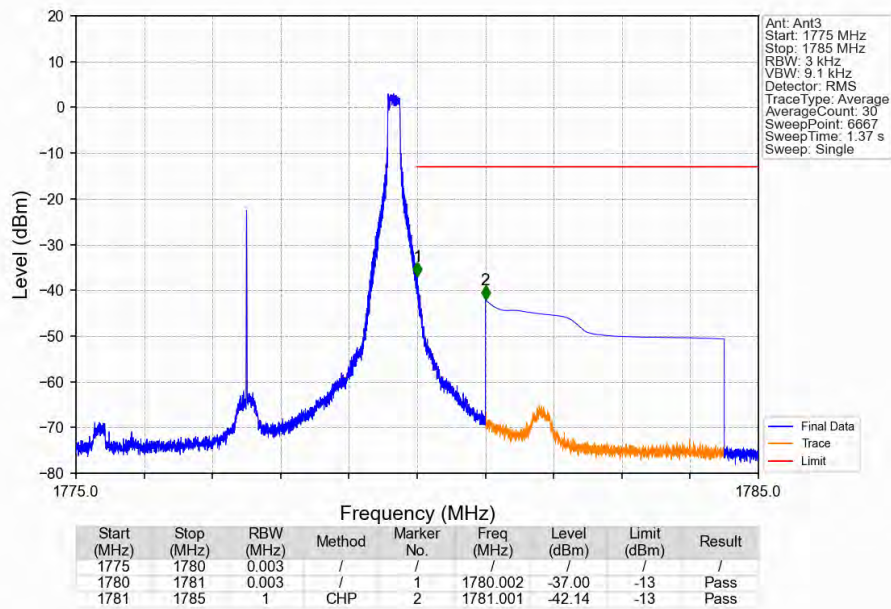
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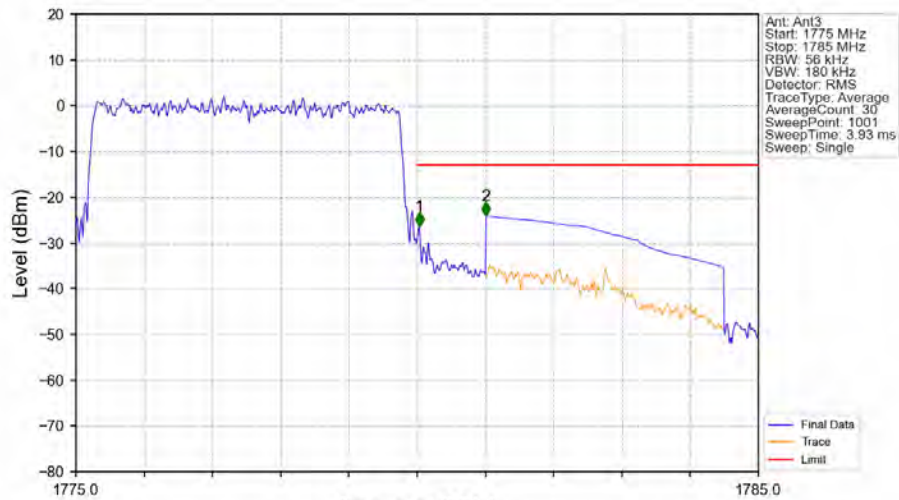
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.056	/	/	/	/	/	/
1780	1781	0.056	/	1	1780.030	-26.38	-13	Pass
1781	1785	1	CHP	2	1781.010	-24.06	-13	Pass



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5.4 B66_10MHz

5.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTV						
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
	1745	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1775	1	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
	1745	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1775	1	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
	1745	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1775	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass



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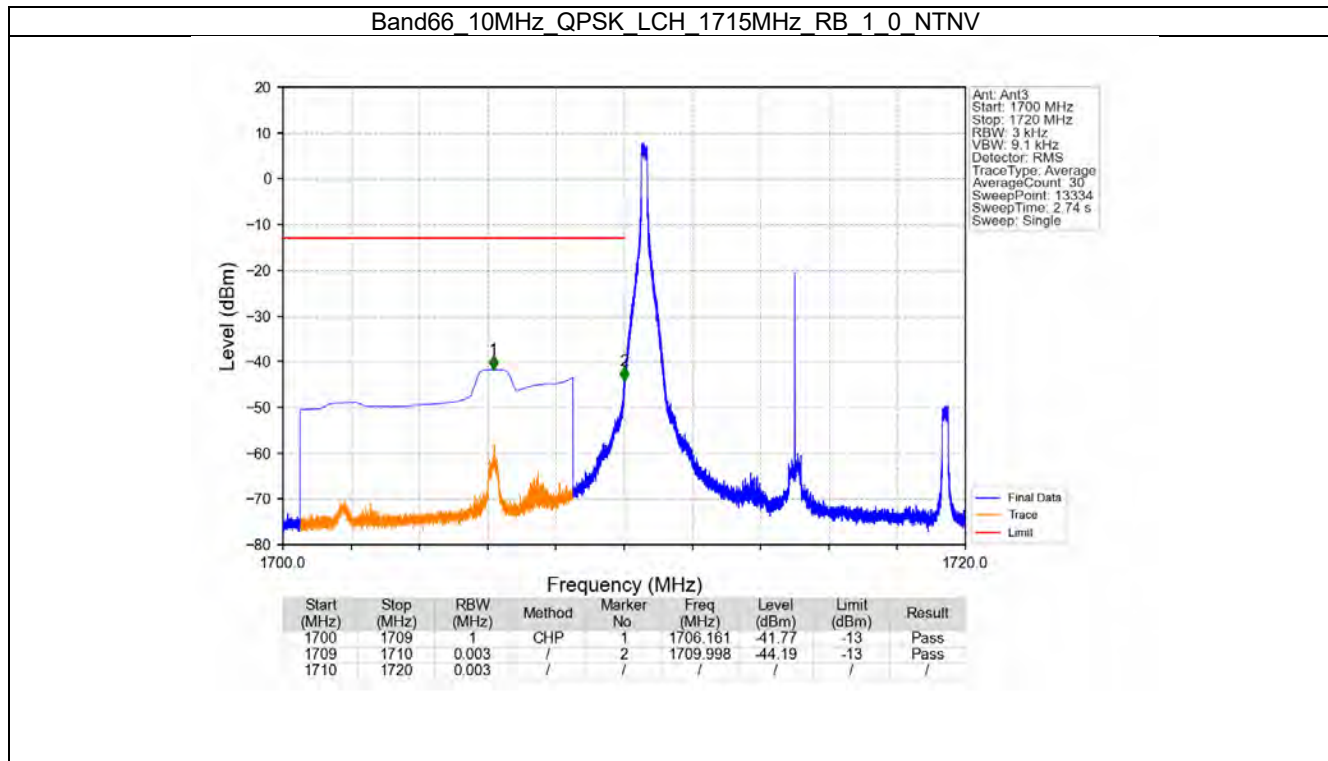
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5.4.2 Test Graph



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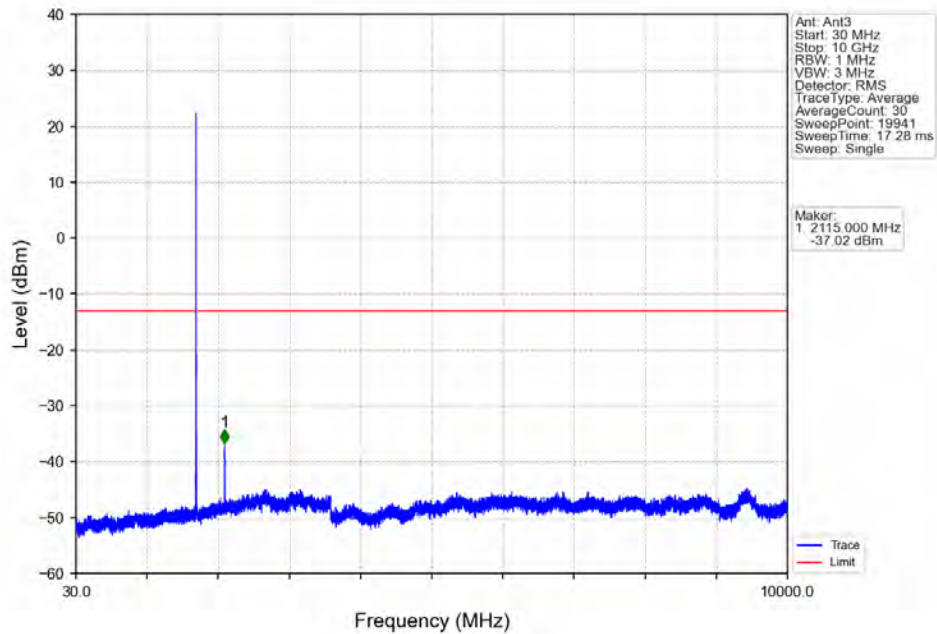
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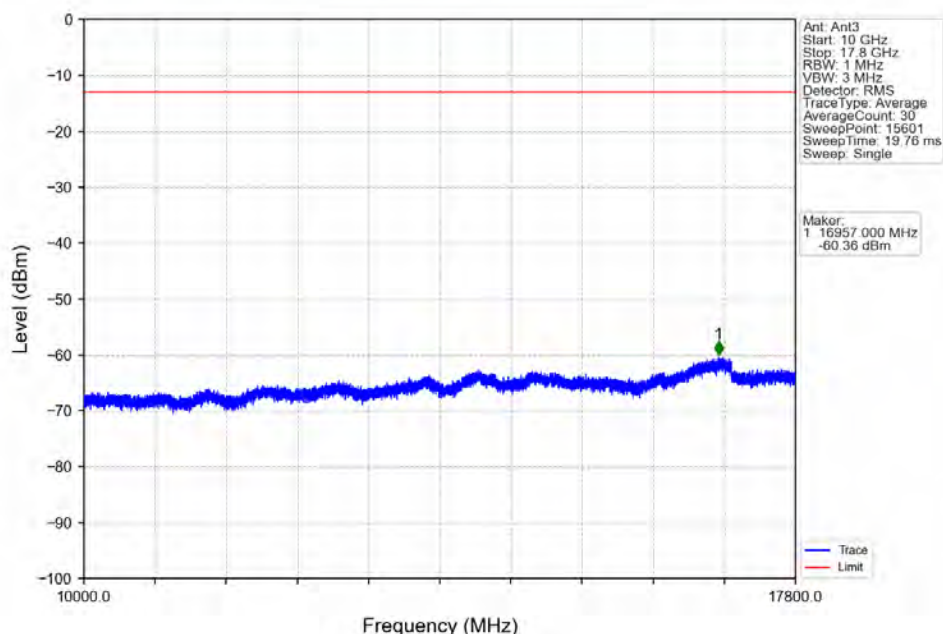
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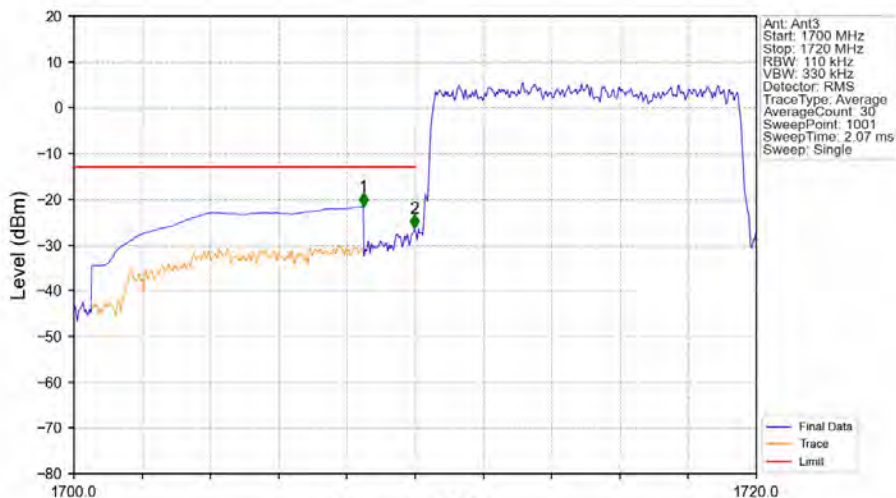
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-21.60	-13	Pass
1709	1710	0.11	/	2	1709.980	-26.46	-13	Pass
1710	1720	0.11	/	/	/	/	/	/



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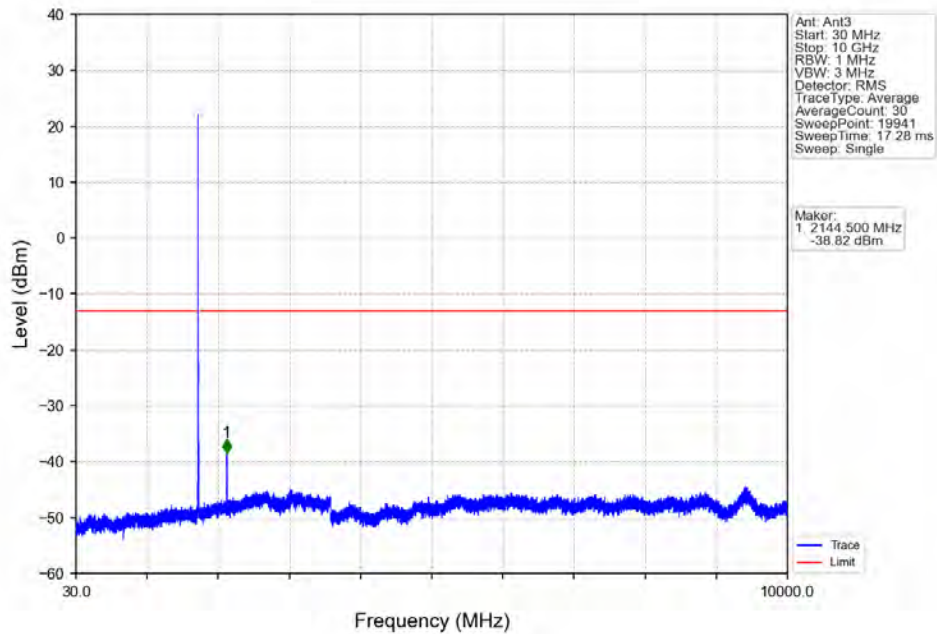
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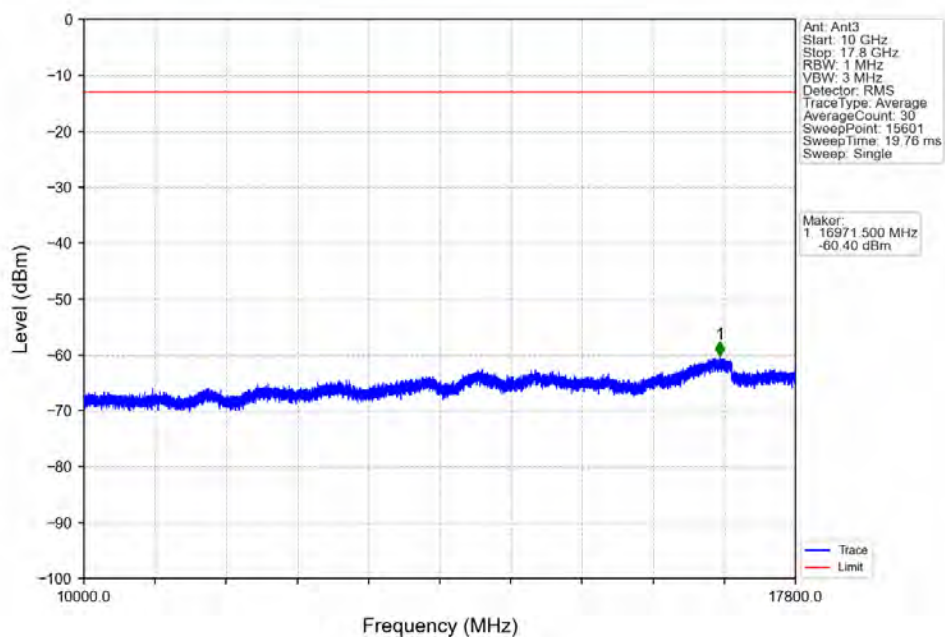
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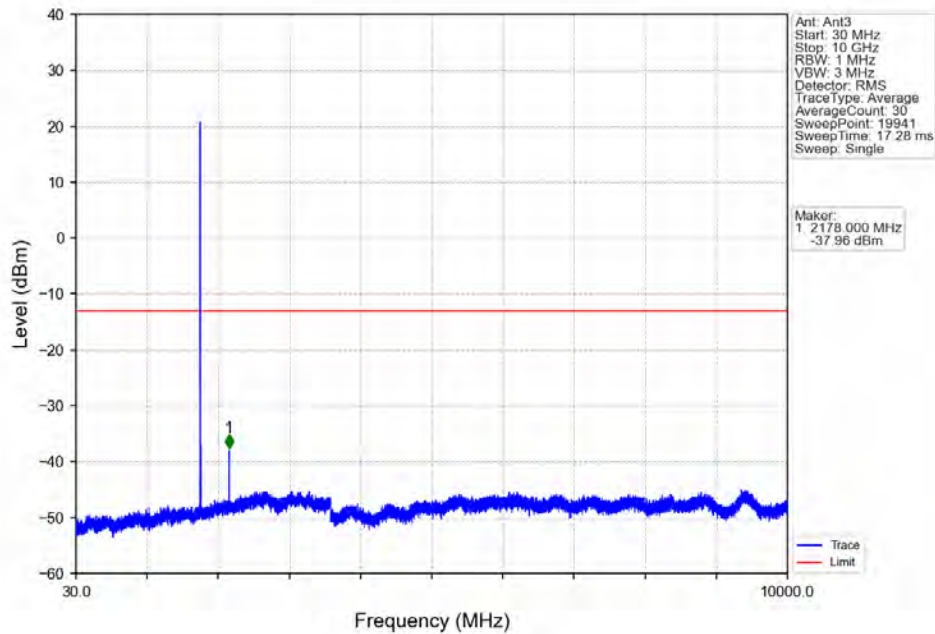
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Band66 10MHz_QPSK_HCH_1775MHz_RB_1_0 NTN



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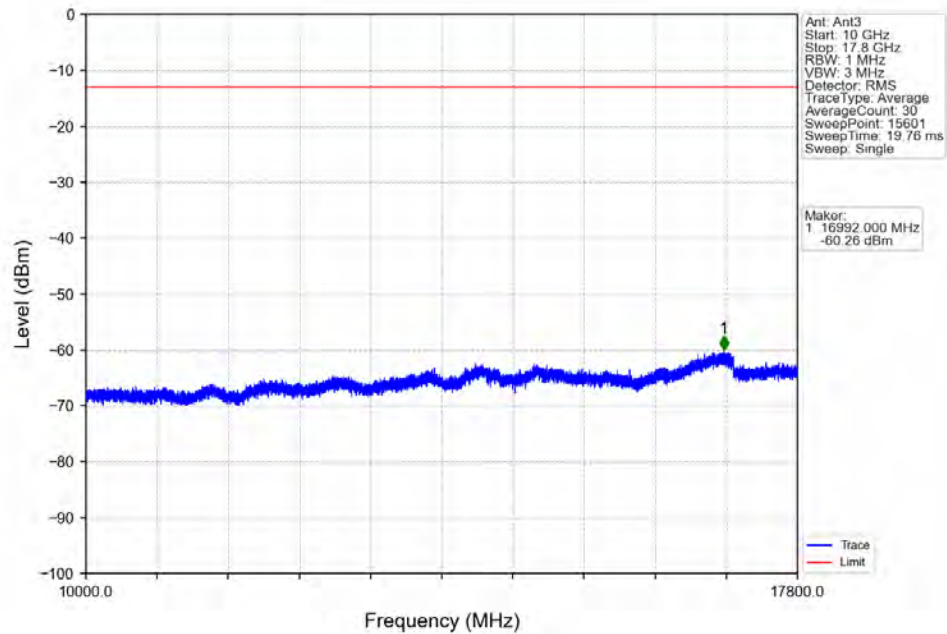
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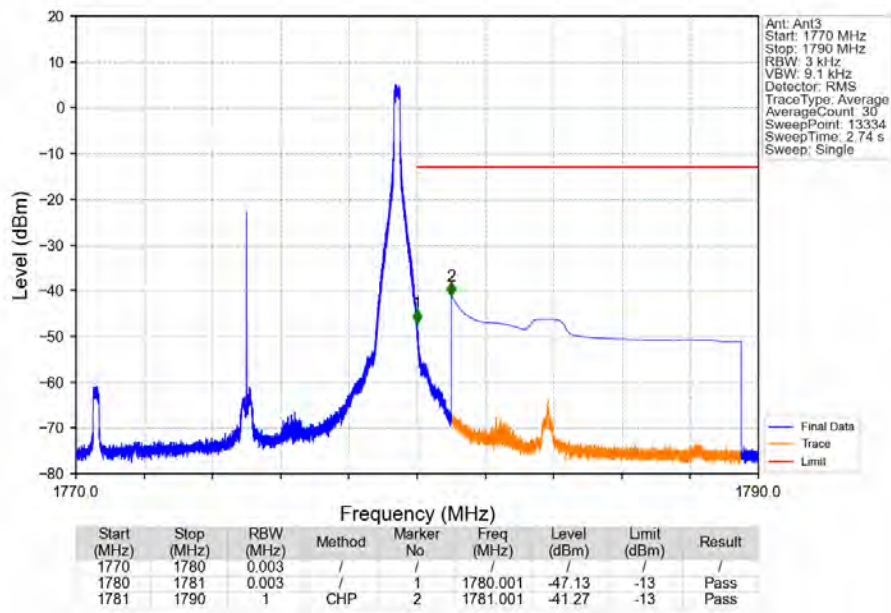
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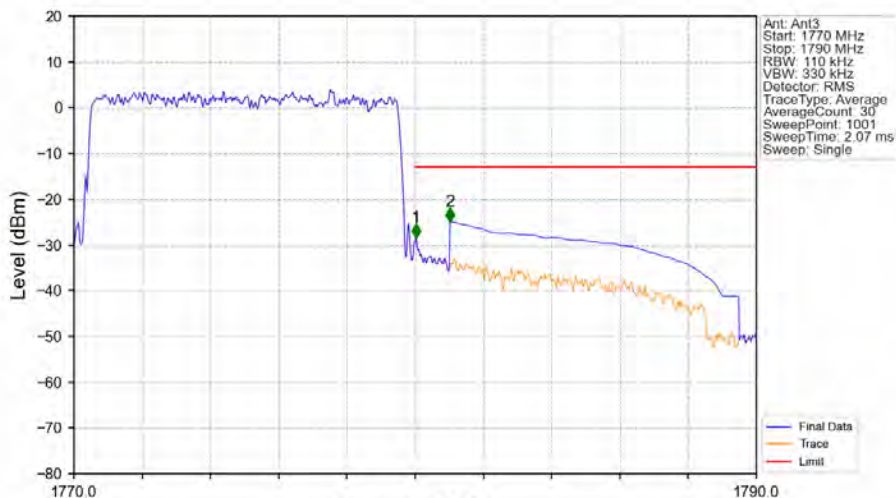
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1770	1780	0.11	/	1	1780.020	-28.43	-13	Pass
1780	1781	0.11	/	2	1781.020	-24.91	-13	Pass
1781	1790	1	CHP					



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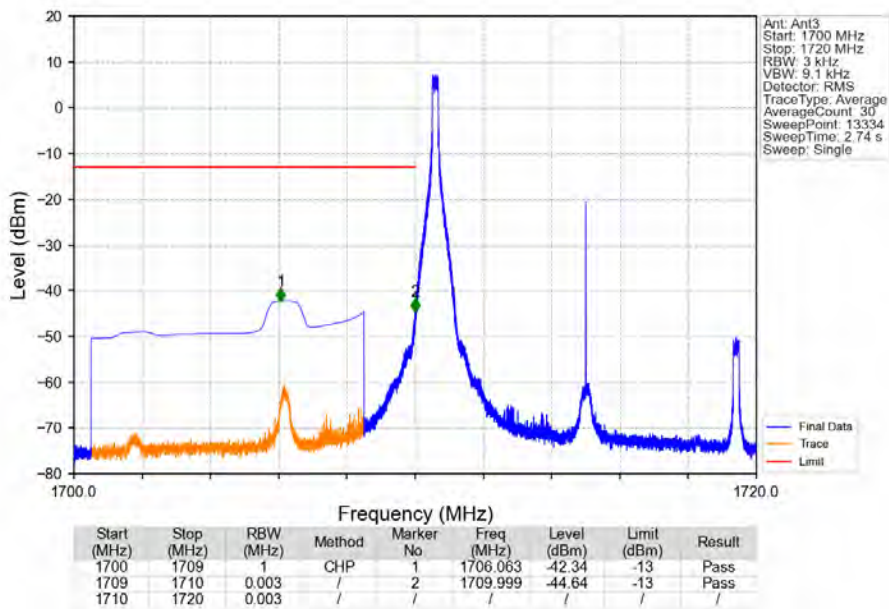
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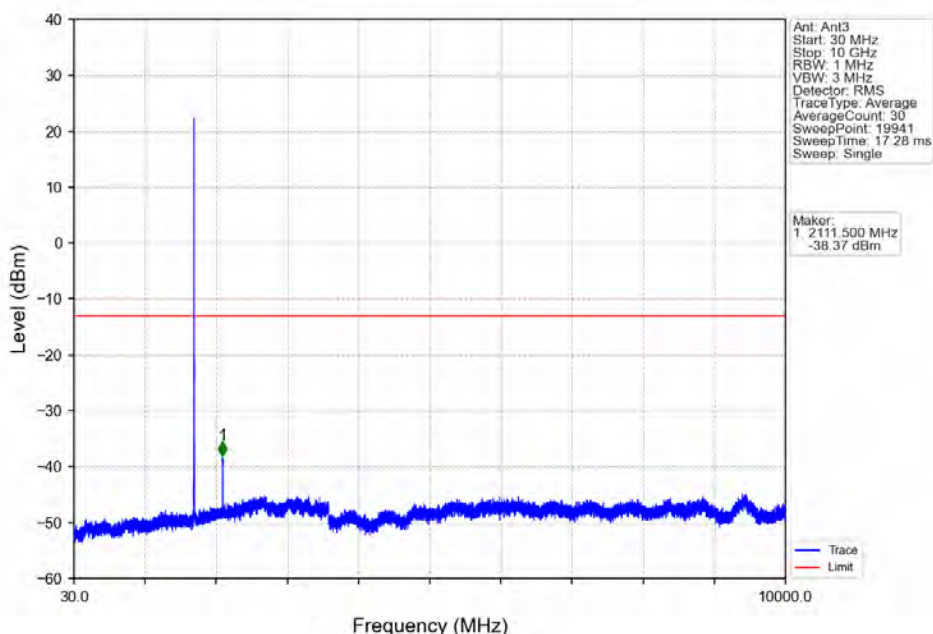
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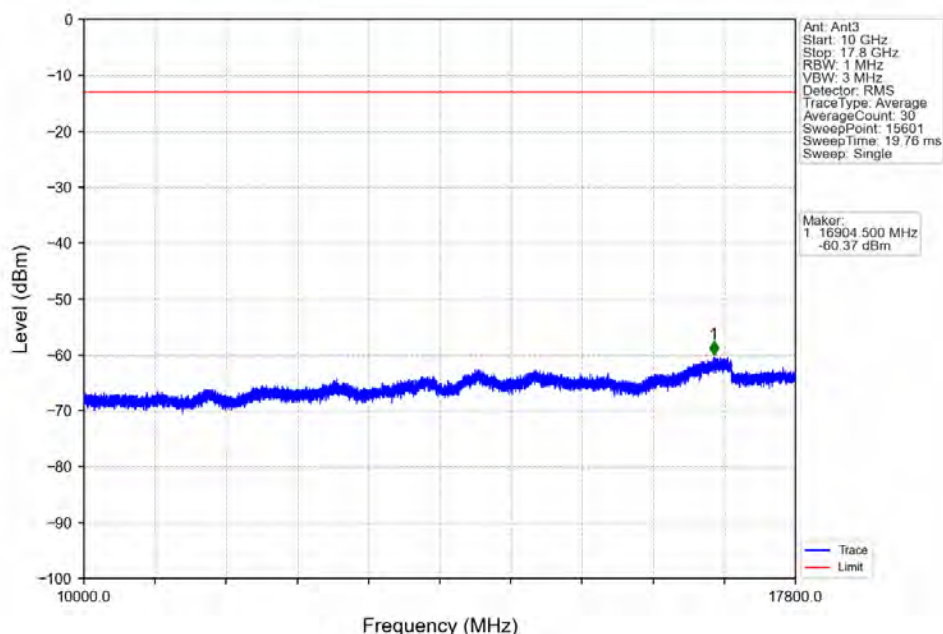
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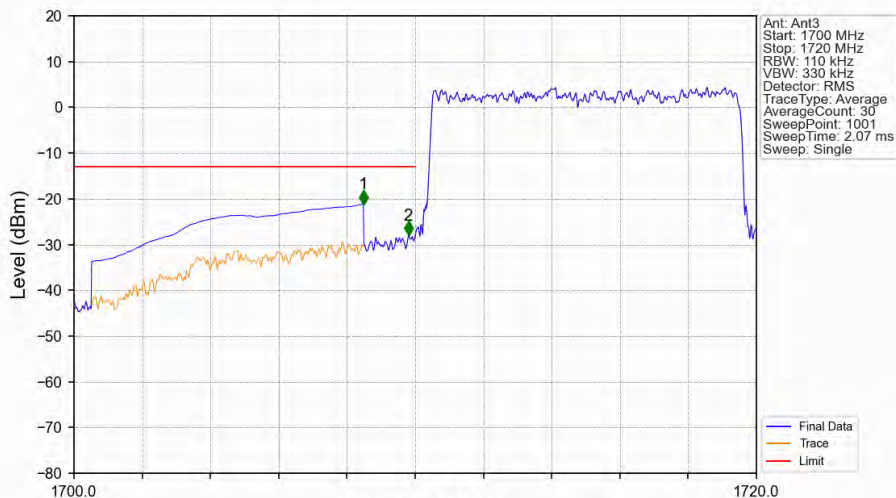
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Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-21.19	-13	Pass
1709	1710	0.11	/	2	1709.800	-28.02	-13	Pass
1710	1720	0.11	/	/	/	/	/	/



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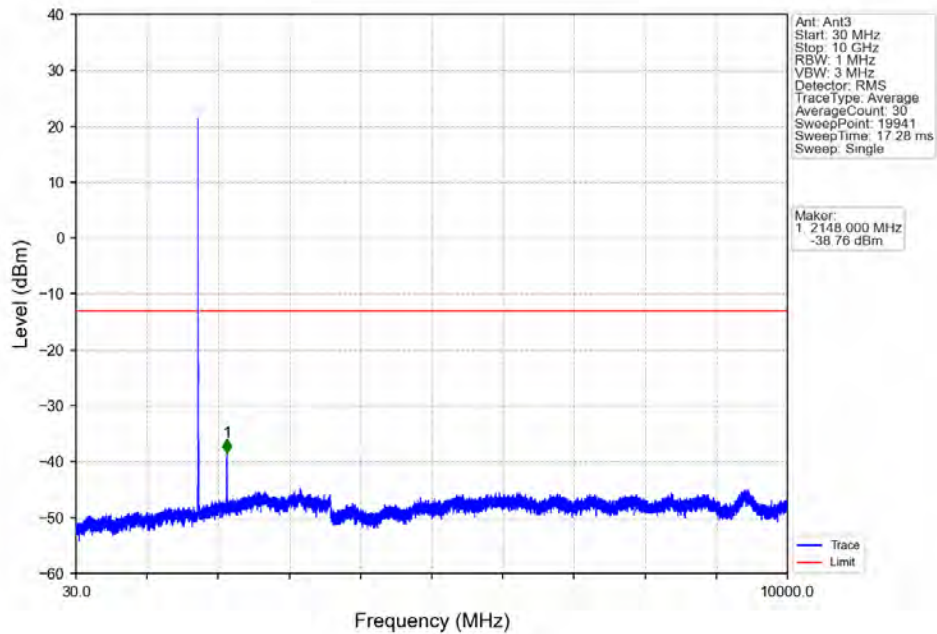
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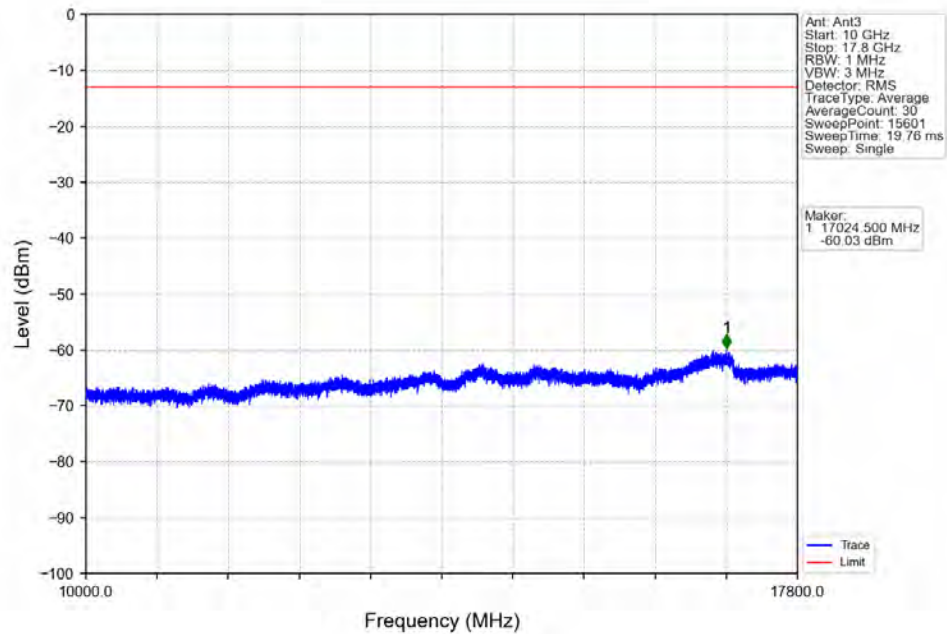
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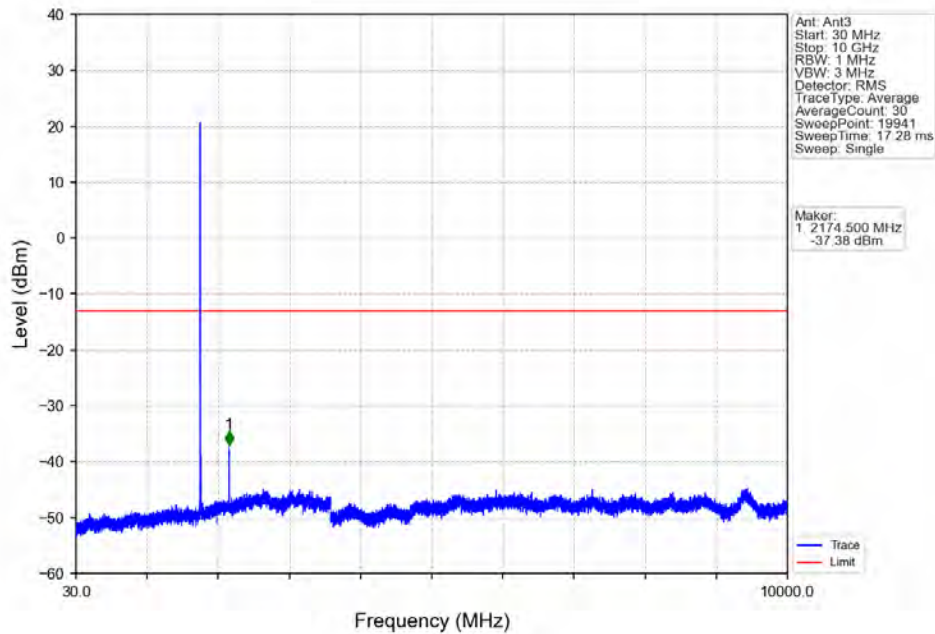
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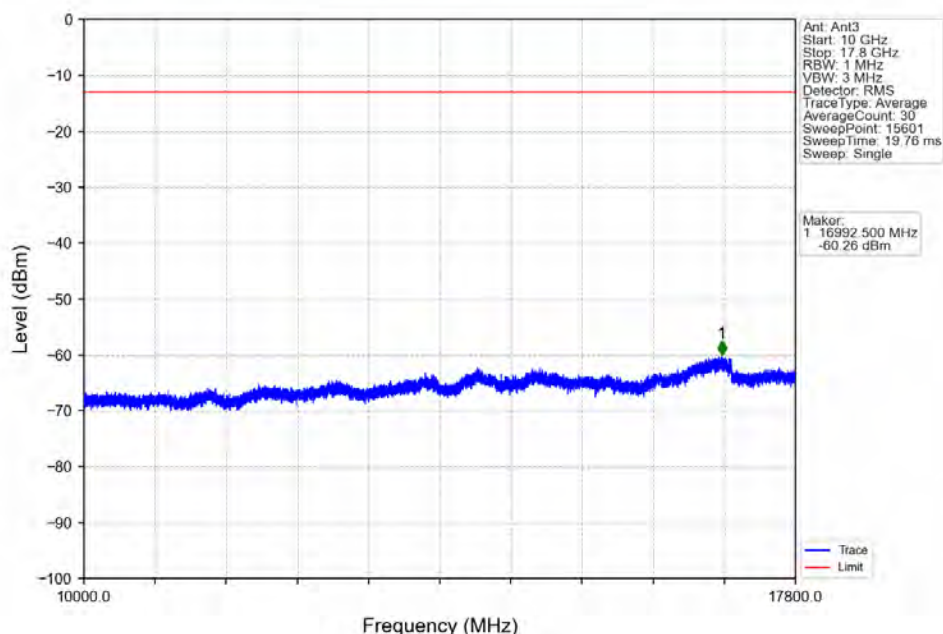
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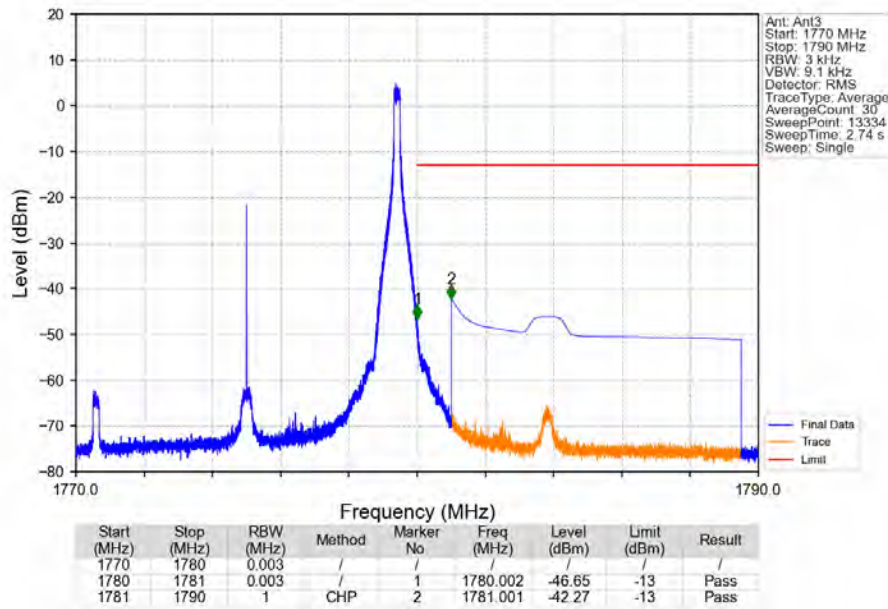
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Band66_10MHz_16QAM_HCH_1775MHz_RB_1_49_NTNV



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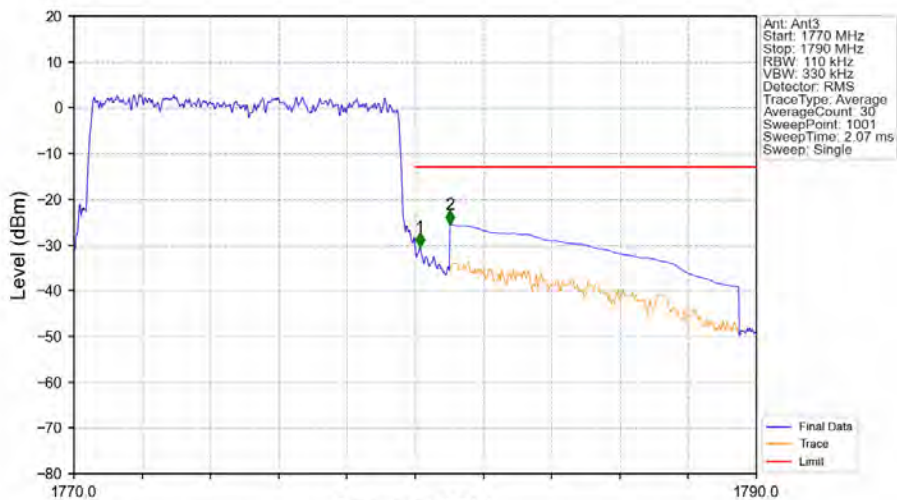
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		Frequency (MHz)							
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result	
1770	1780	0.11	/	1	1780.140	-30.40	-13	Pass	
1780	1781	0.11	/	1	1780.140	-30.40	-13	Pass	
1781	1790	1	CHP	2	1781.020	-25.55	-13	Pass	



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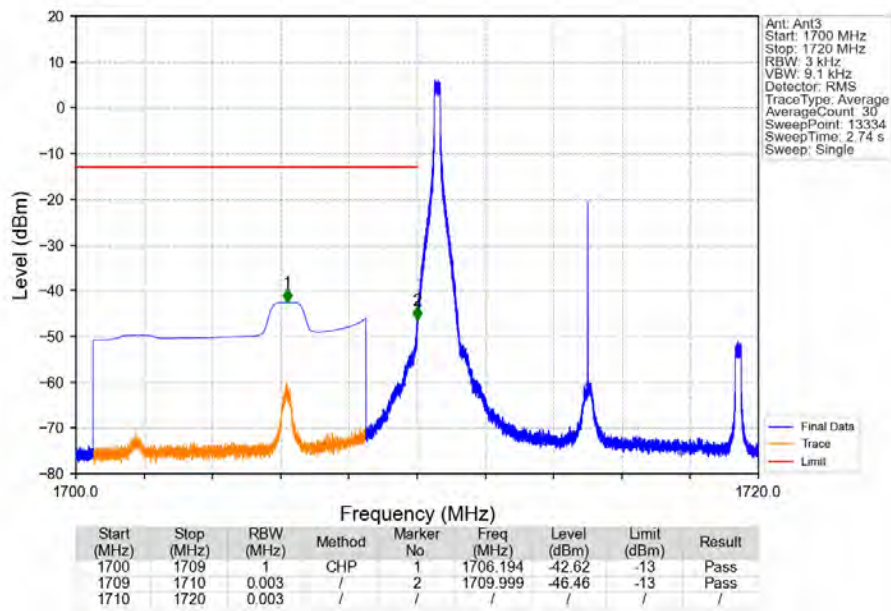
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Band66_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV



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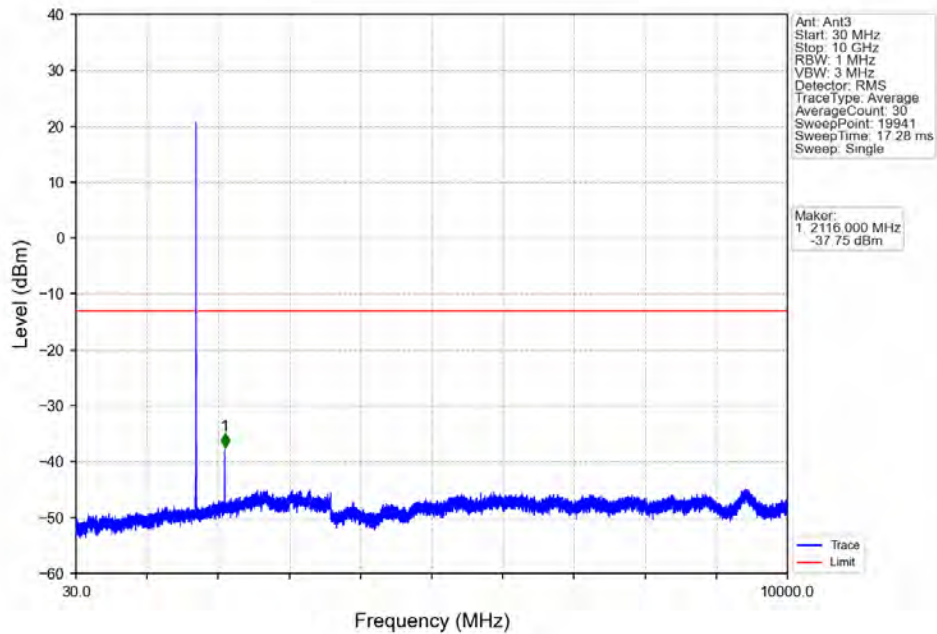
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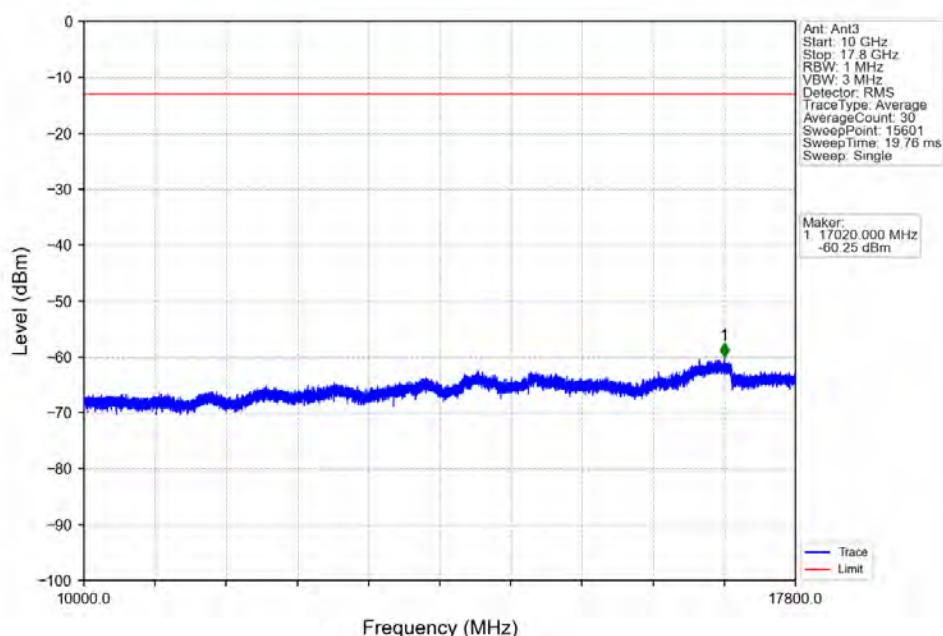
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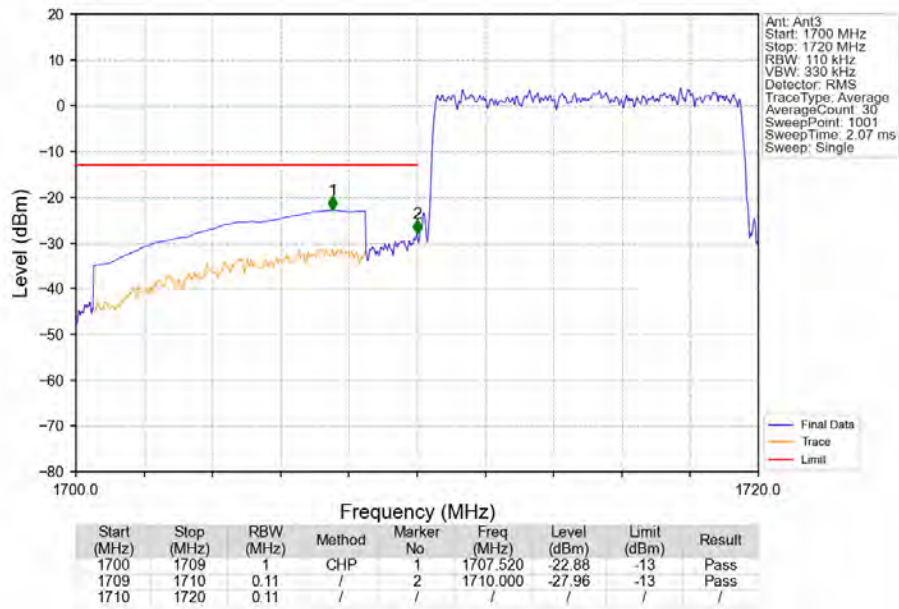
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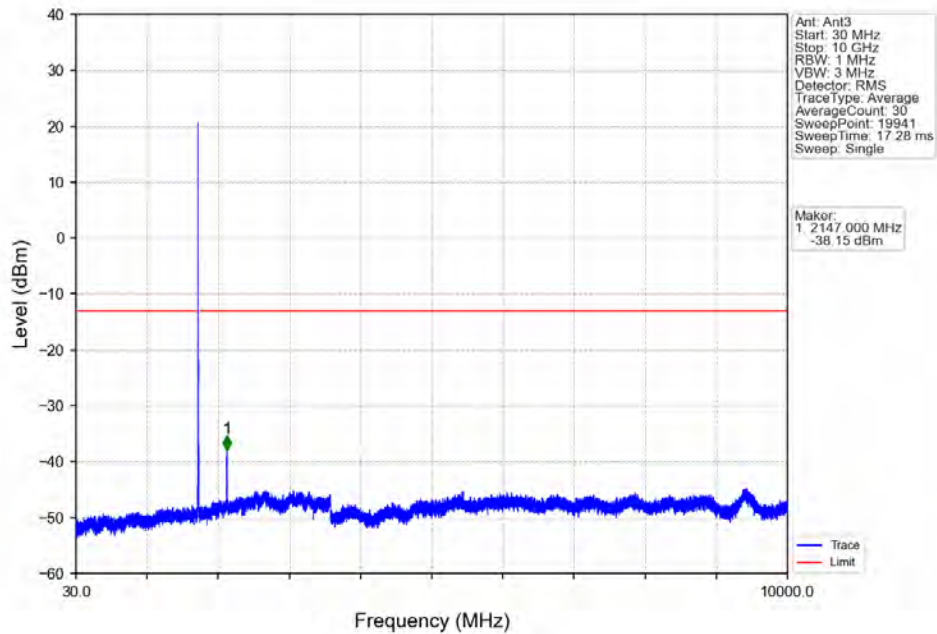
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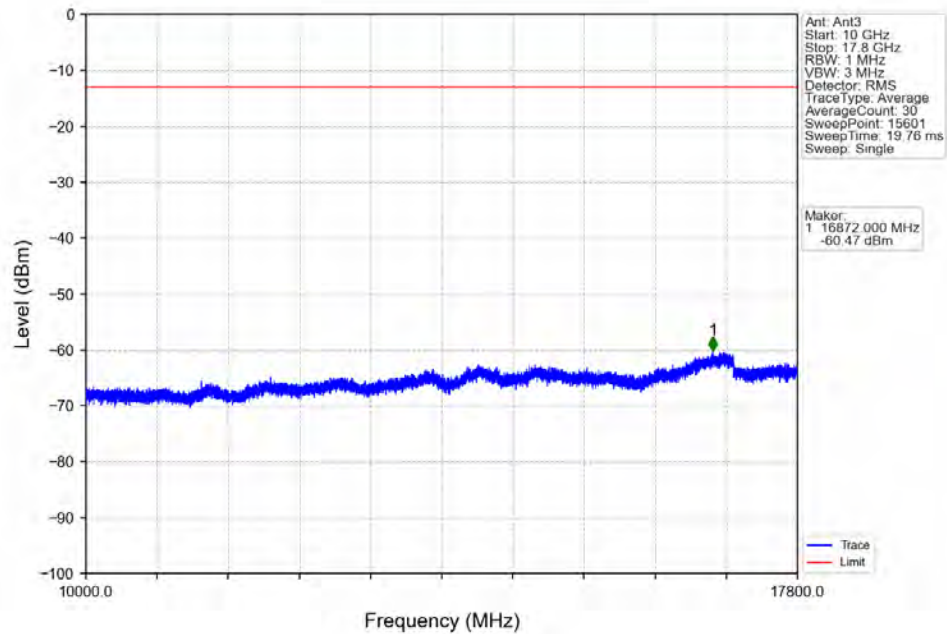
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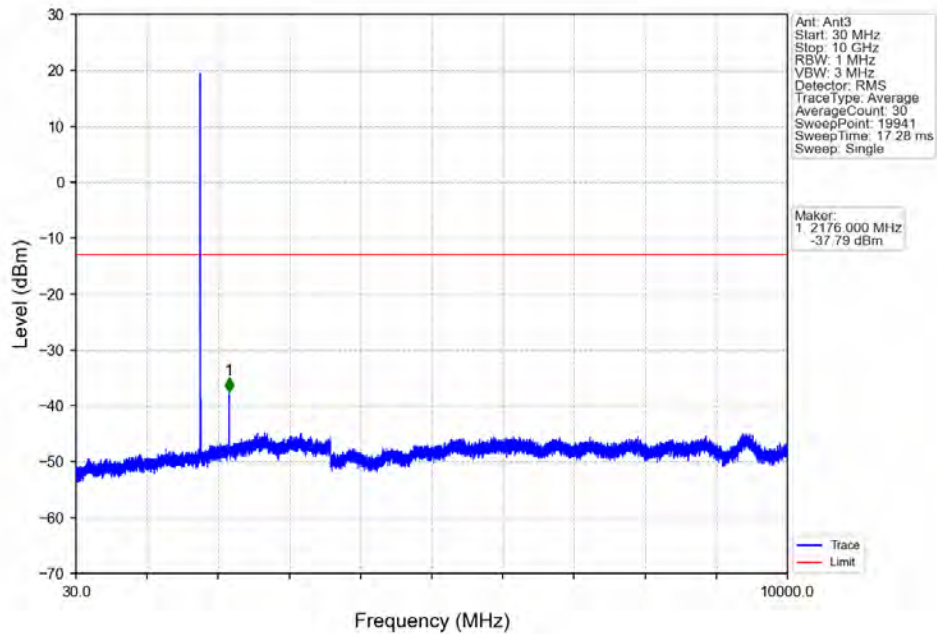
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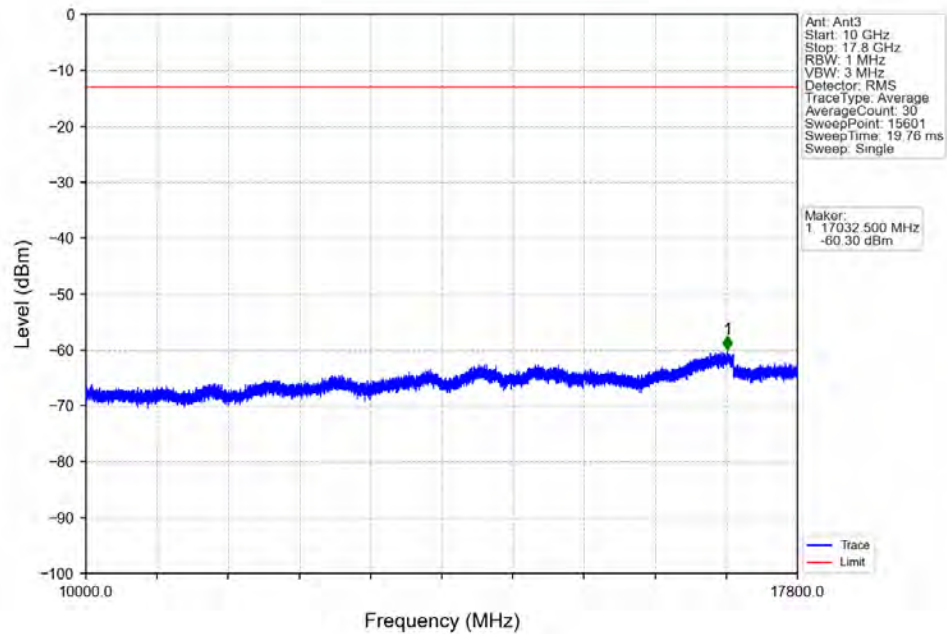
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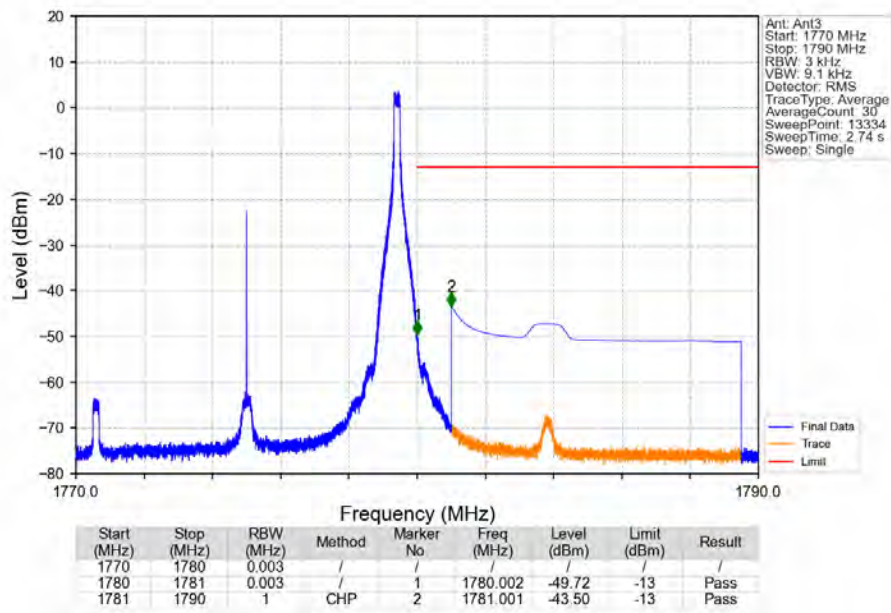
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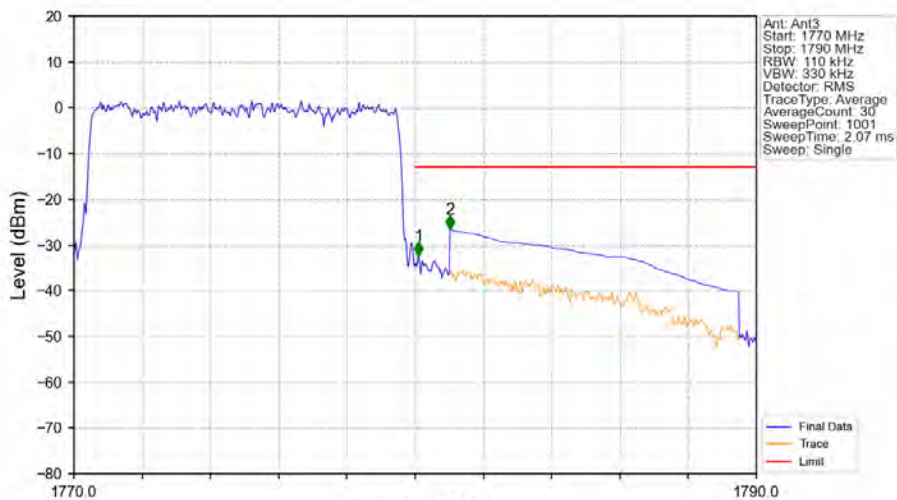
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1770	1780	0.11	/	1	1780.100	-32.34	-13	Pass
1780	1781	0.11	/	1	1780.100	-32.34	-13	Pass
1781	1790	1	CHP	2	1781.020	-26.57	-13	Pass



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5.5 B66_15MHz

5.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTV						
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
	1745	1	0	Refer To Test Graph		Pass
	1772.5	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
	1745	1	0	Refer To Test Graph		Pass
	1772.5	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
	1745	1	0	Refer To Test Graph		Pass
	1772.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass



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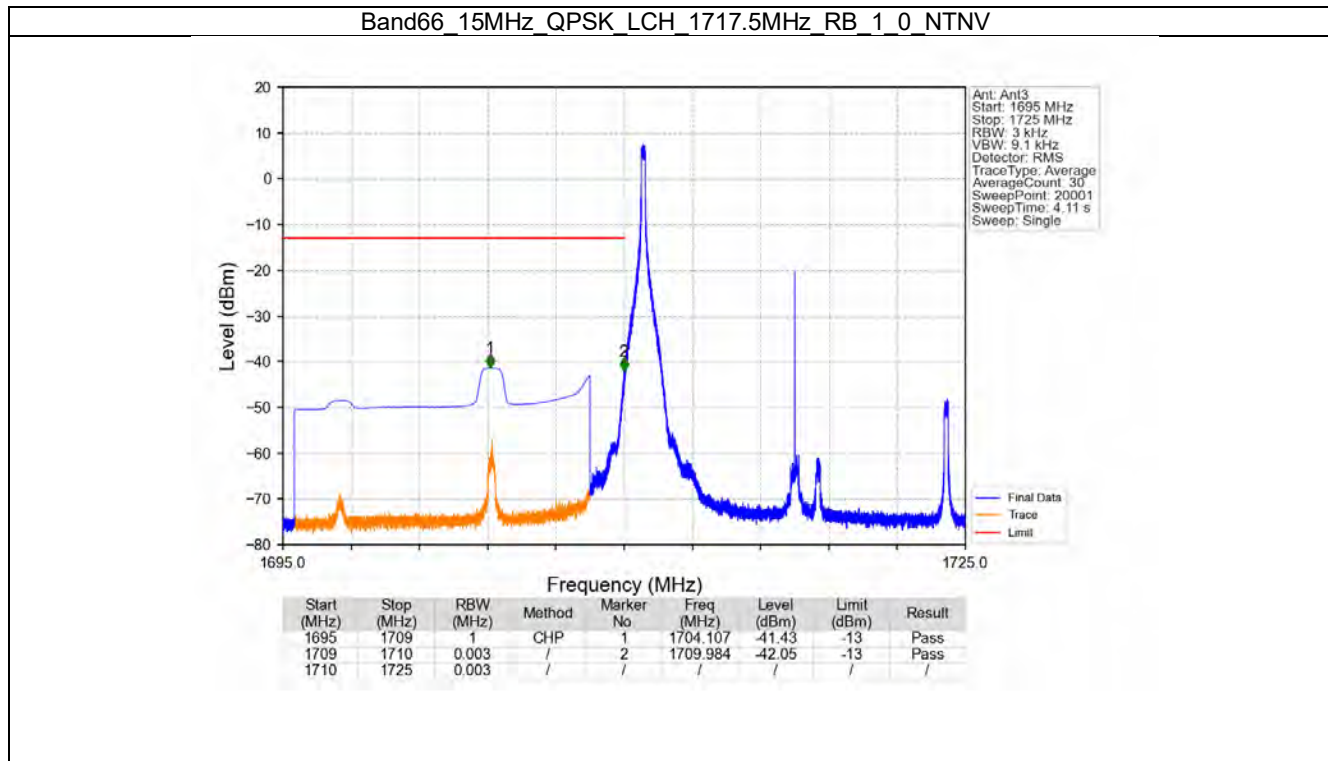
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5.5.2 Test Graph



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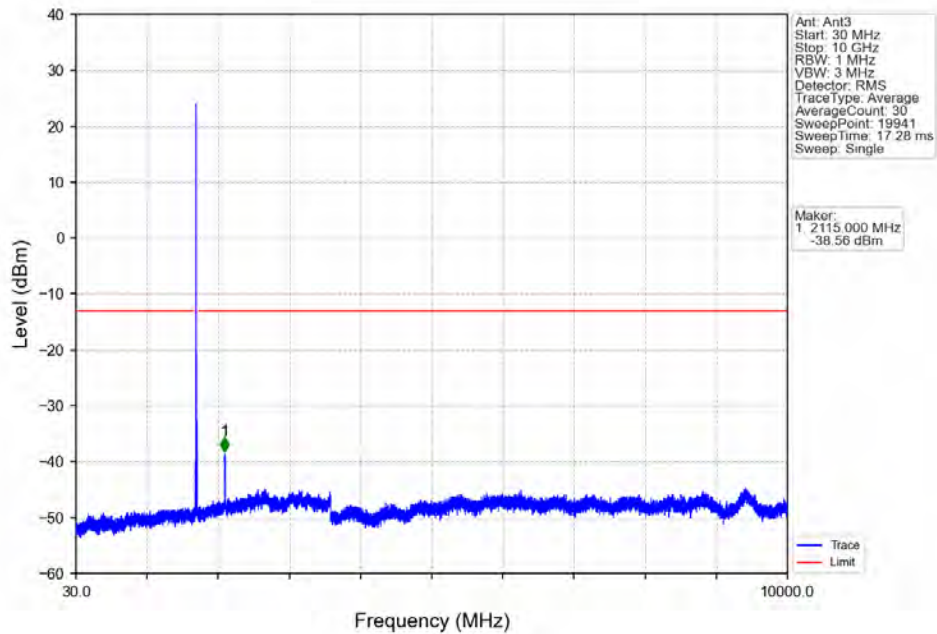
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Band66_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



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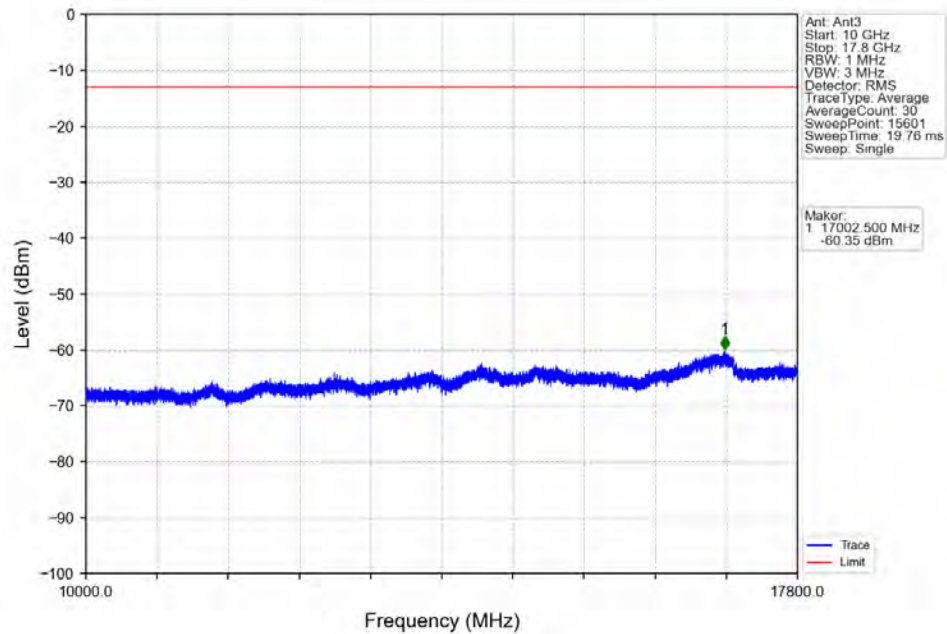
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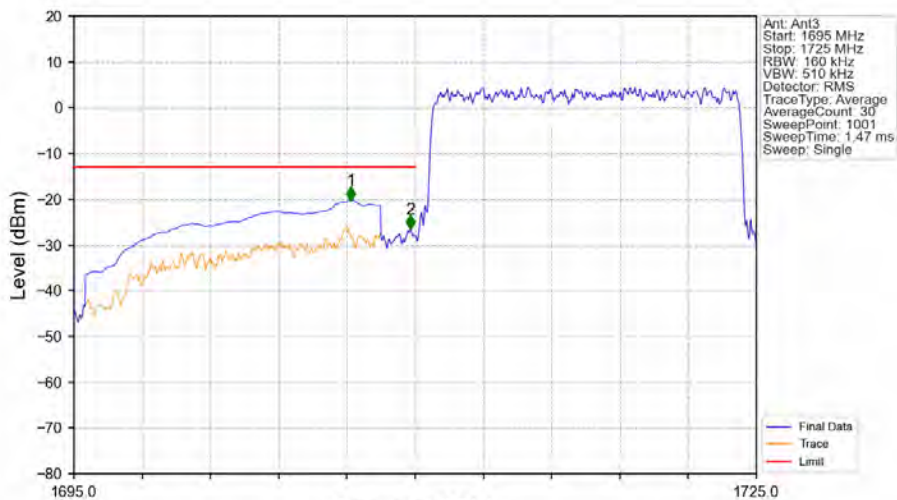
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Band66 15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	0.16	CHP	1	1707.180	-20.33	-13	Pass
1709	1710	/	/	2	1709.790	-26.54	-13	Pass
1710	1725	0.16	/	/	/	/	/	/



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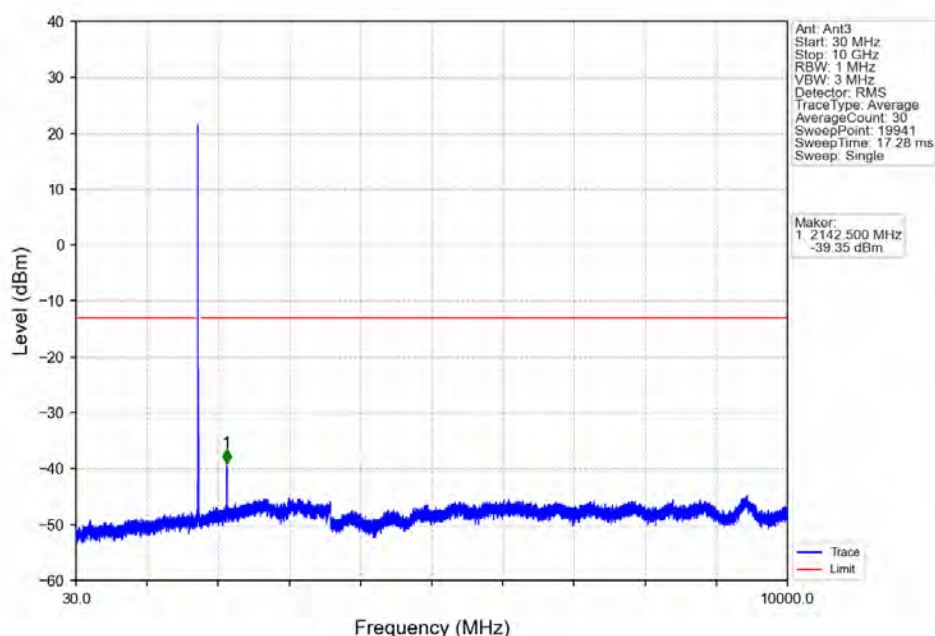
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Band66_15MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



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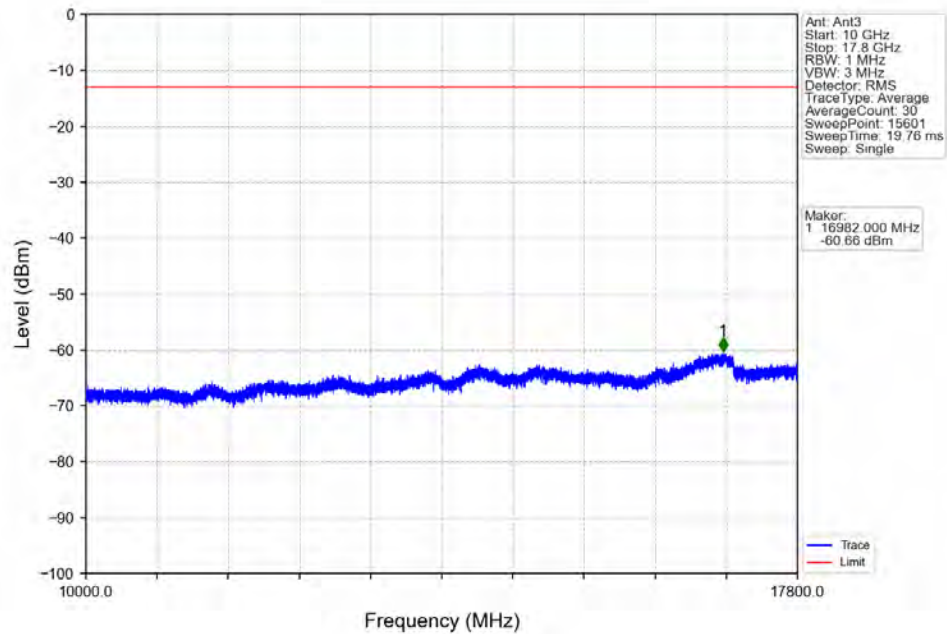
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Band66_15MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



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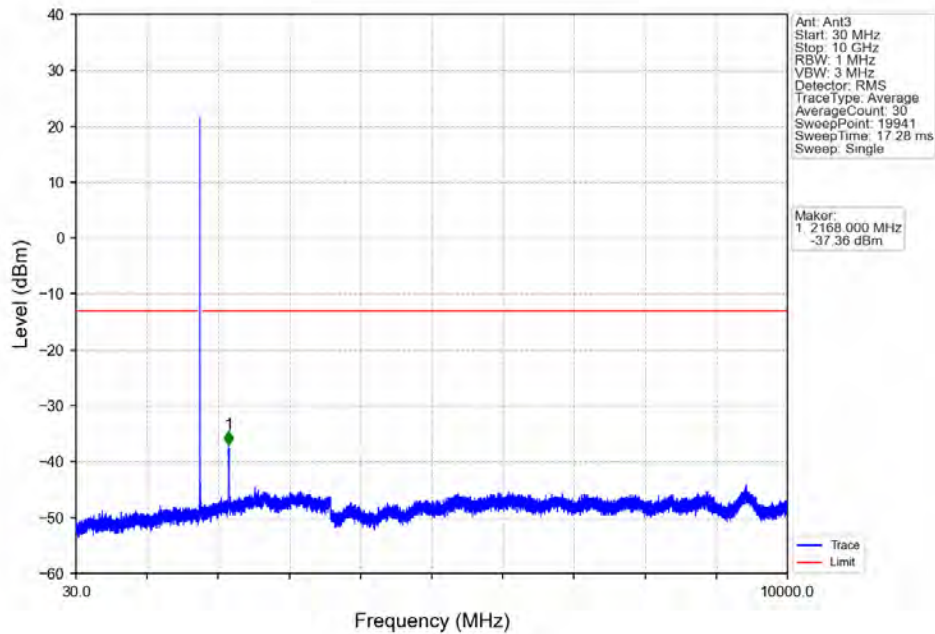
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Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_0_NTNV



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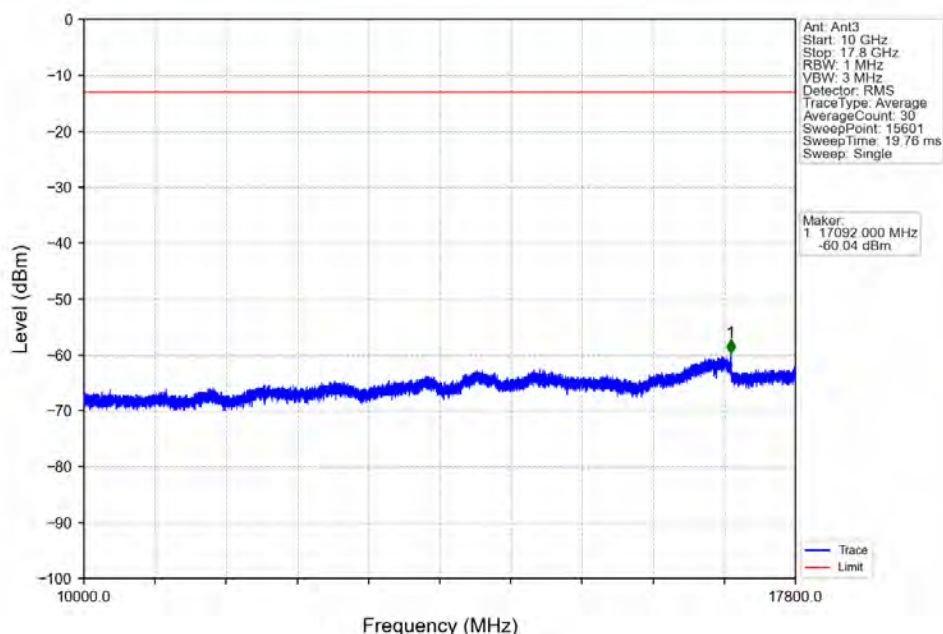
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Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_0_NTNV



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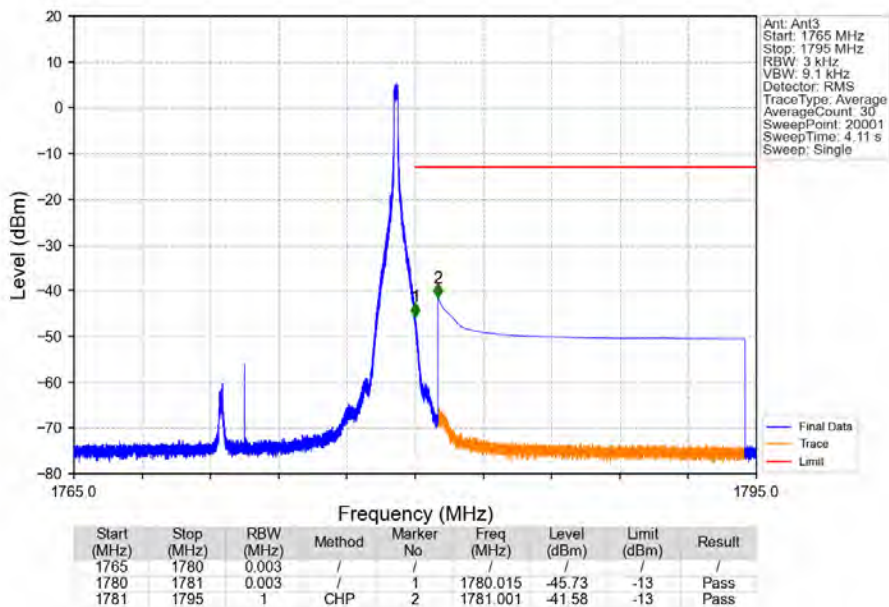
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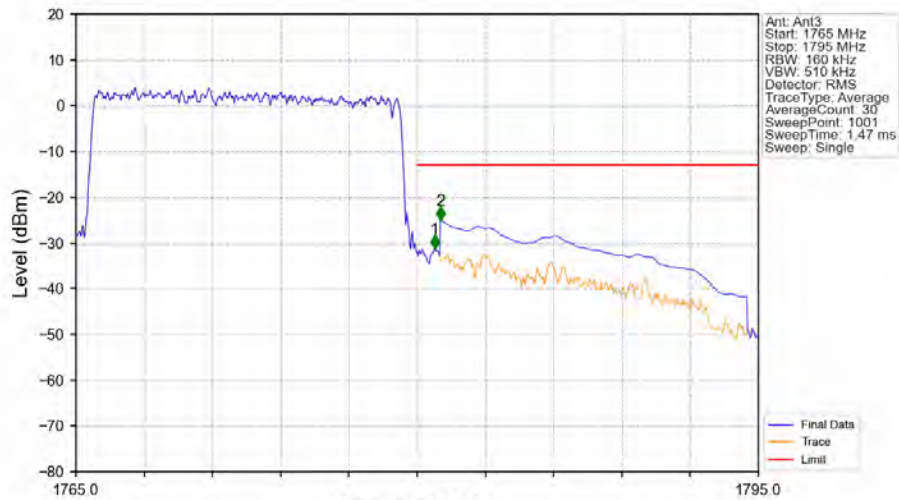
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Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1765	1780	0.16	/	/	/	/	/	/
1780	1781	0.16	/	1	1780.780	-31.35	-13	Pass
1781	1795	1	CHP	2	1781.020	-25.18	-13	Pass



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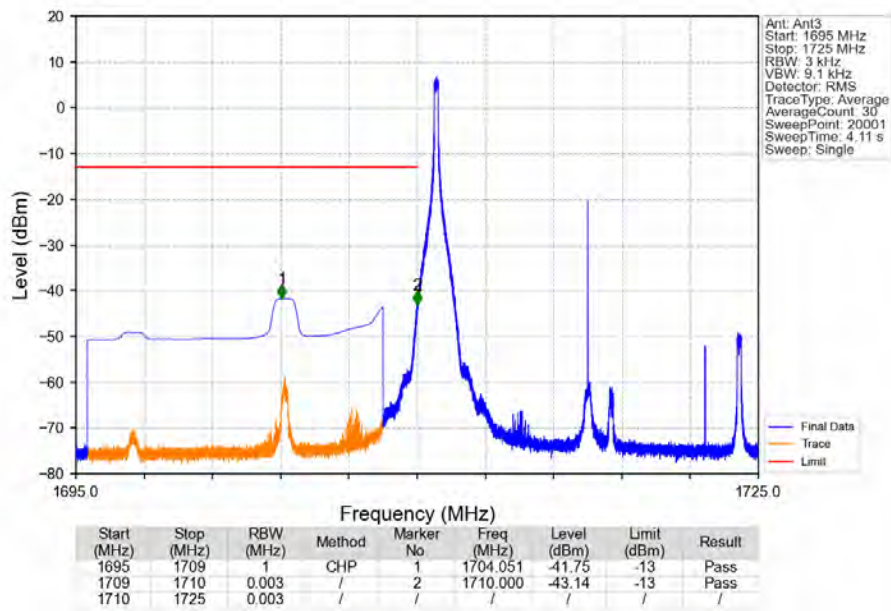
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Band66_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



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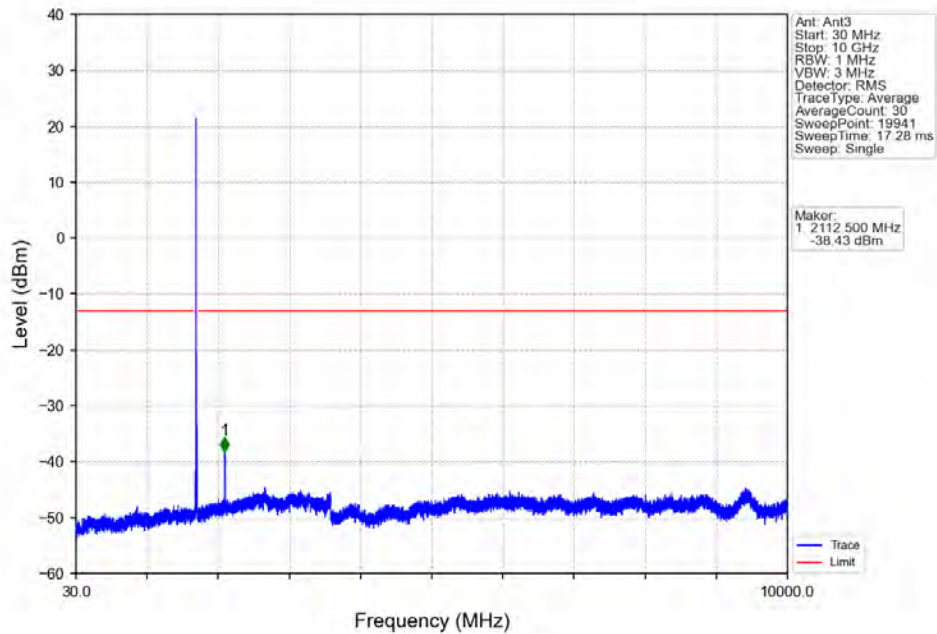
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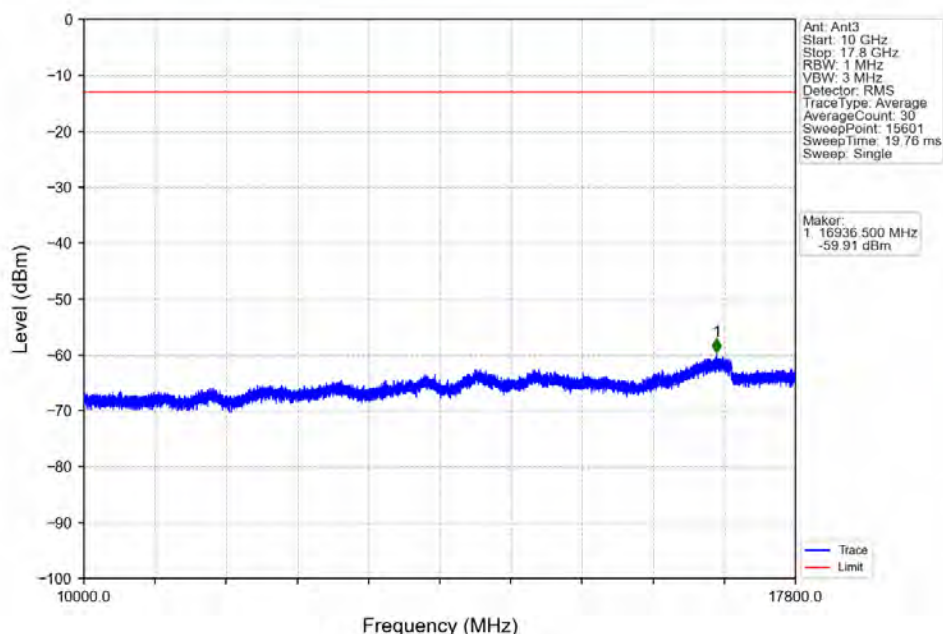
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Band66_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



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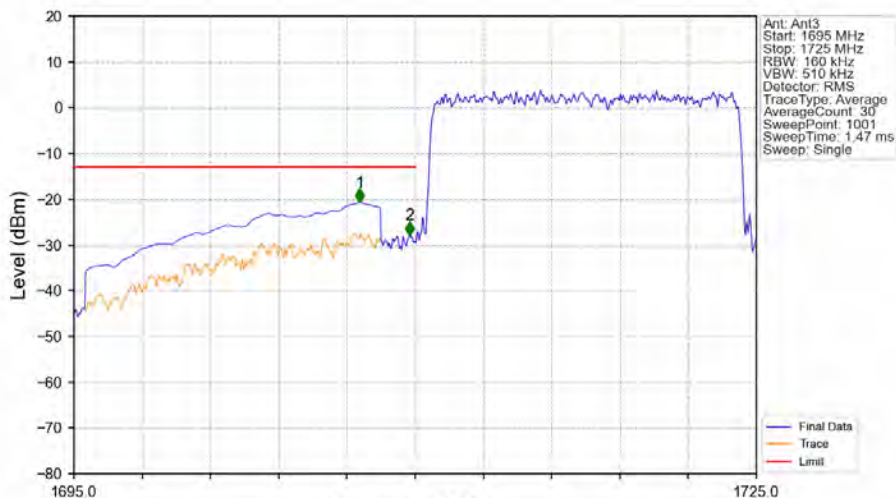
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Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.570	-20.78	-13	Pass
1709	1710	0.16	/	2	1709.760	-27.88	-13	Pass
1710	1725	0.16	/	/	/	/	/	/



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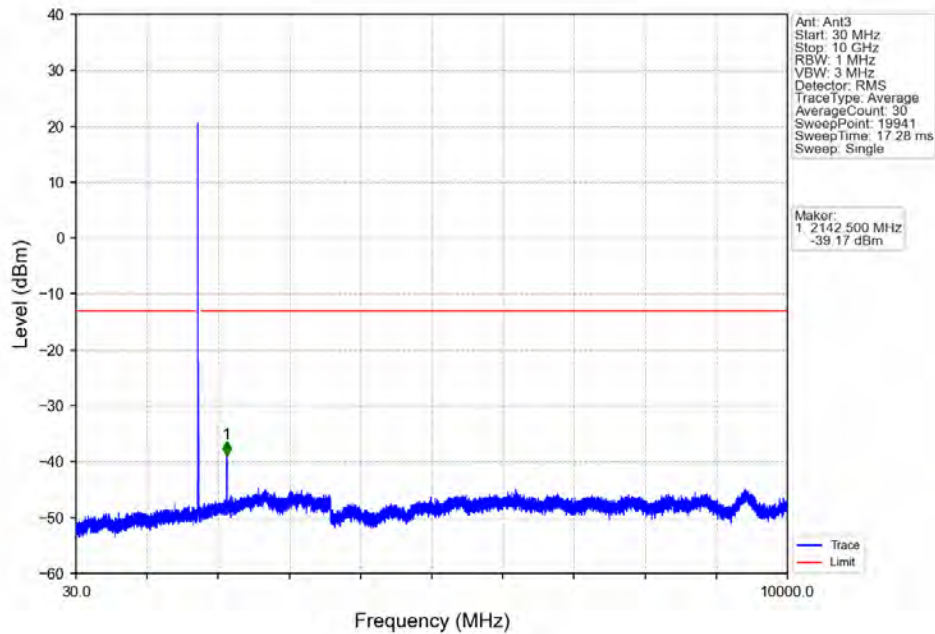
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Band66_15MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



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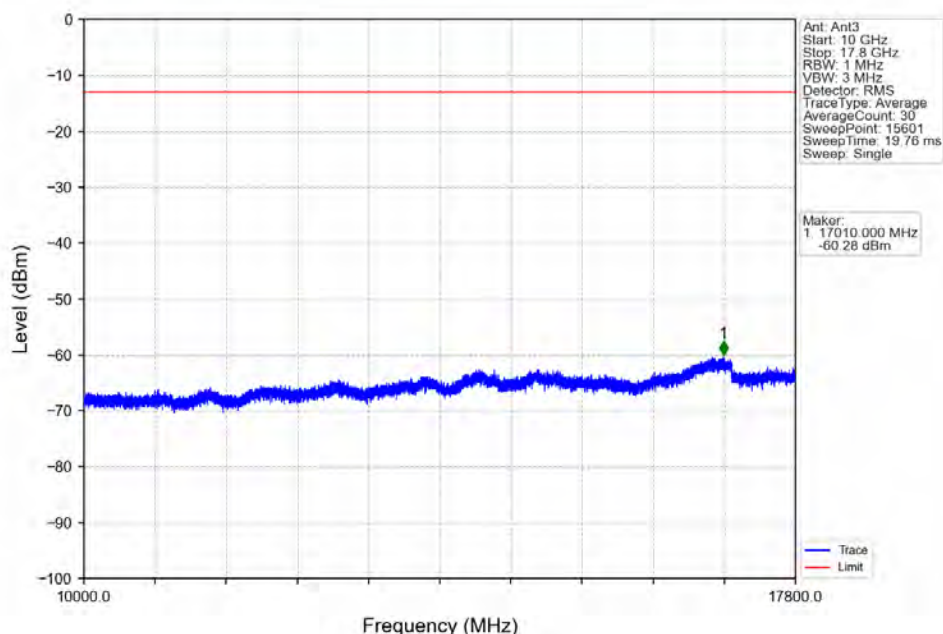
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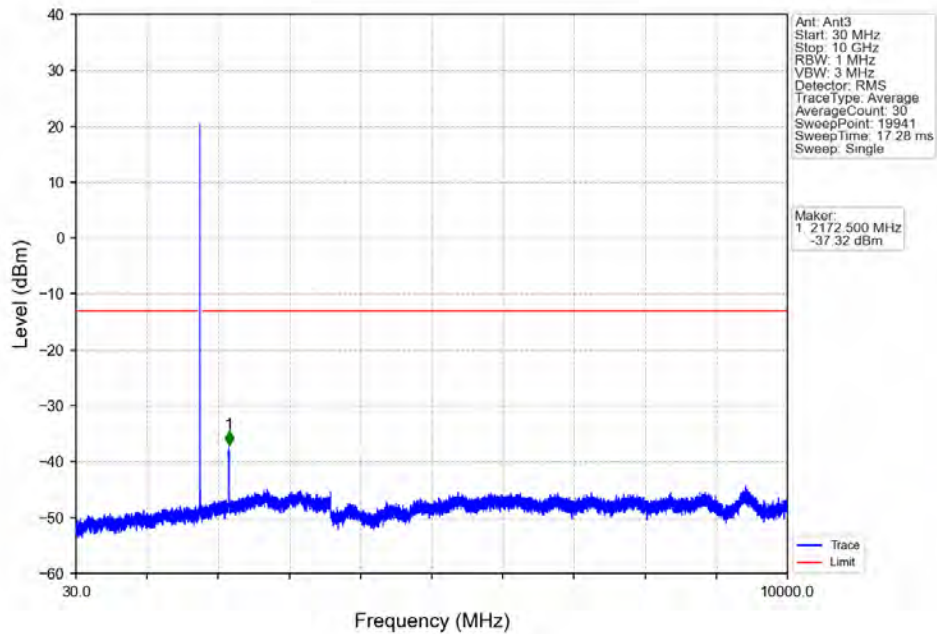
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Band66_15MHz_16QAM_HCH_1772.5MHz_RB_1_0_NTNV



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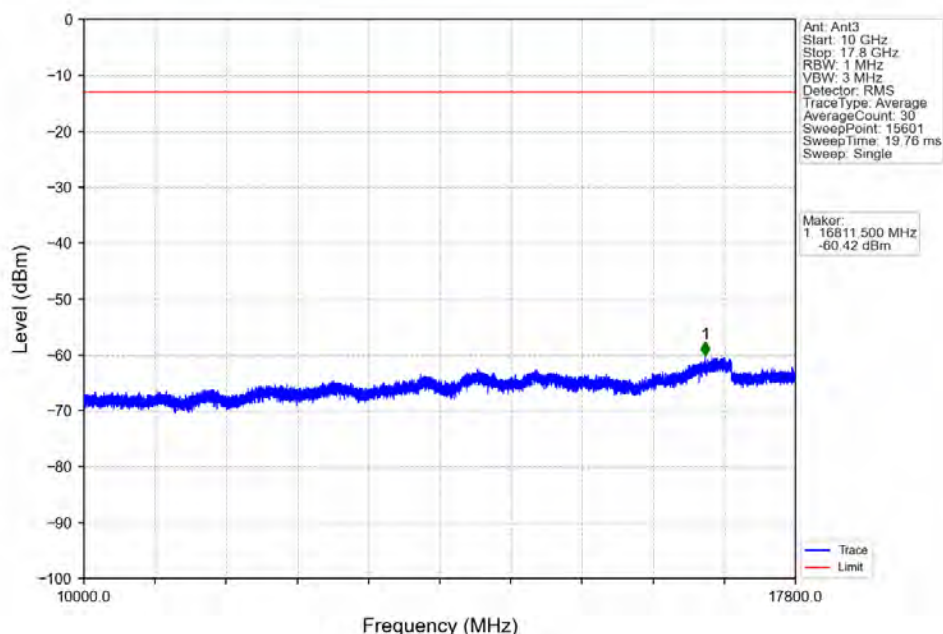
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Band66_15MHz_16QAM_HCH_1772.5MHz_RB_1_0_NTNV



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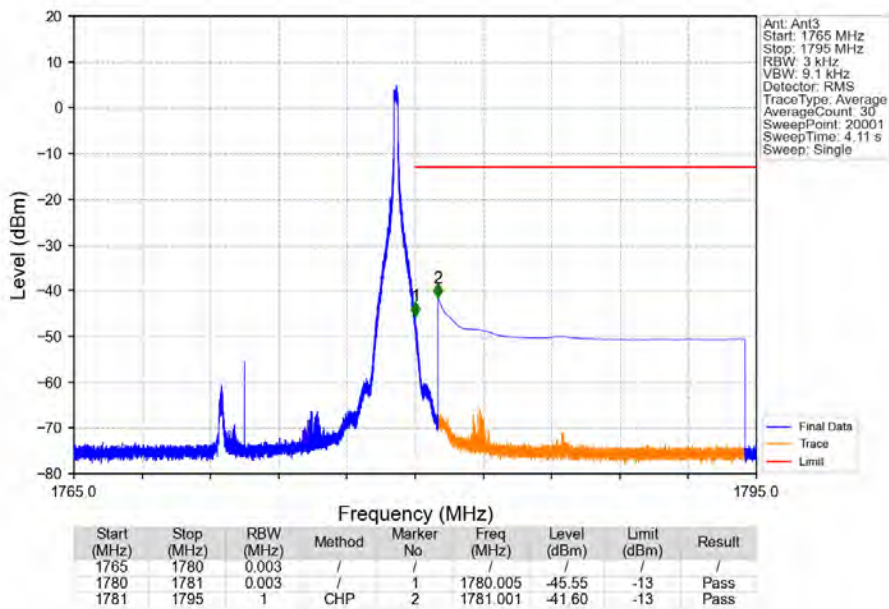
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Band66_15MHz_16QAM_HCH_1772.5MHz_RB_1_74_NTNV



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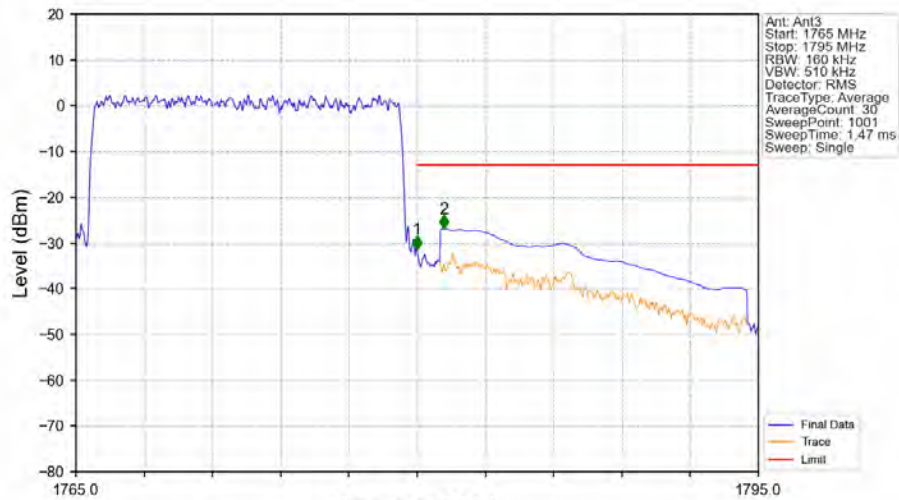
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Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1765	1780	0.16	/	/	/	/	/	/
1780	1781	0.16	/	1	1780.000	-31.42	-13	Pass
1781	1795	1	CHP	2	1781.170	-26.87	-13	Pass



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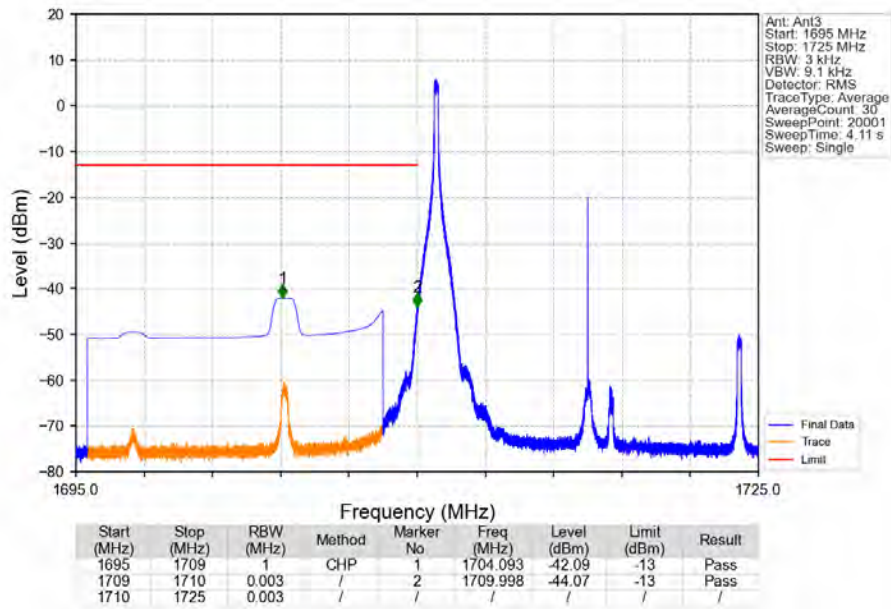
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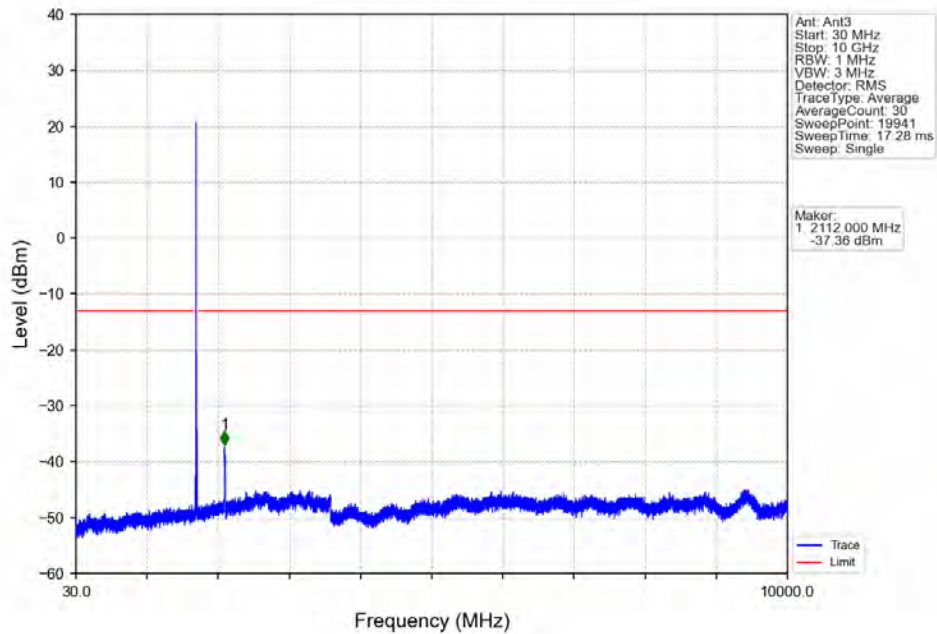
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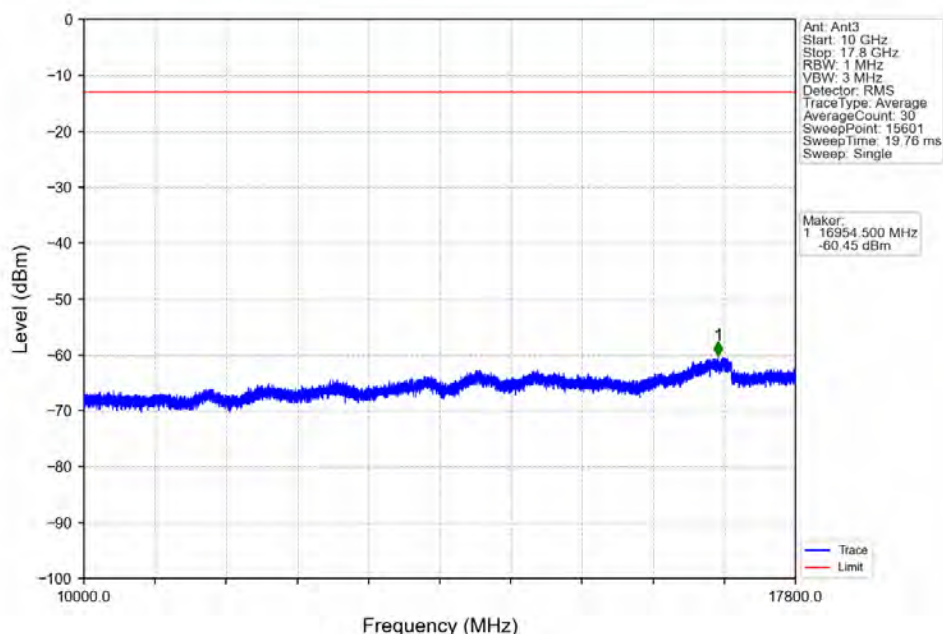
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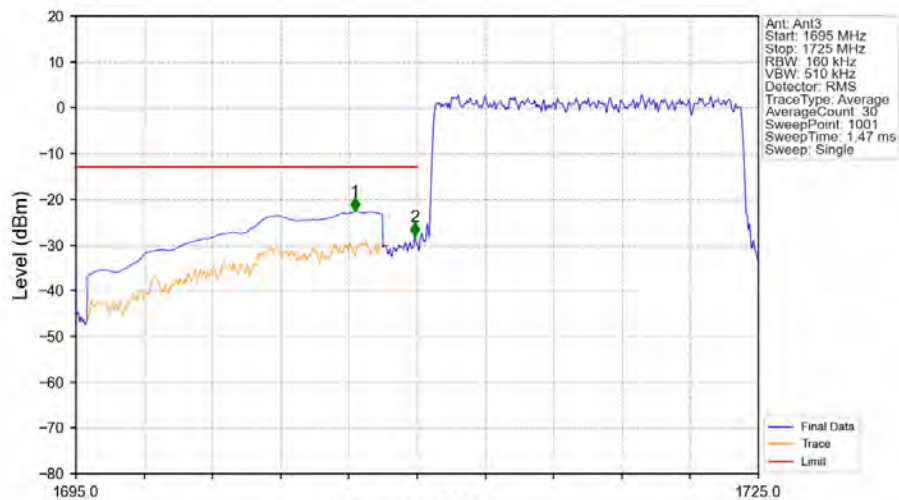
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	0.16	CHP	1	1707.270	-22.72	-13	Pass
1709	1710	0.16	/	2	1709.910	-28.20	-13	Pass
1710	1725	0.16	/	/	/	/	/	/



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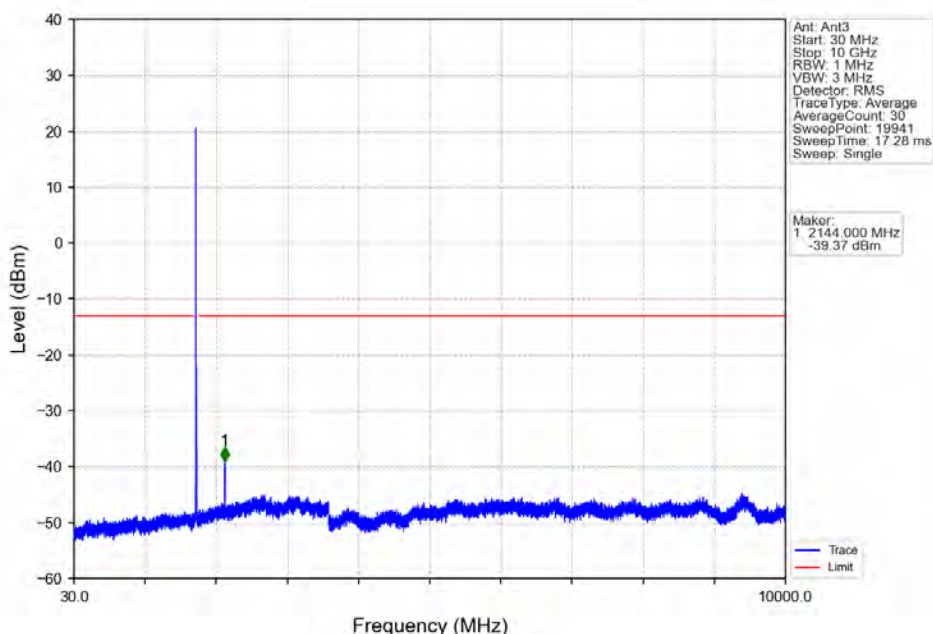
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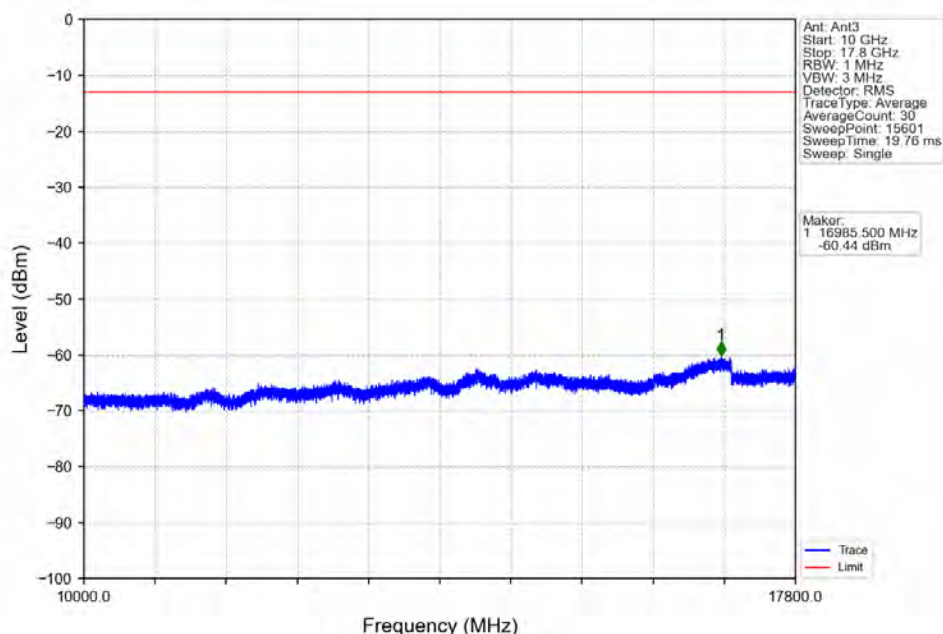
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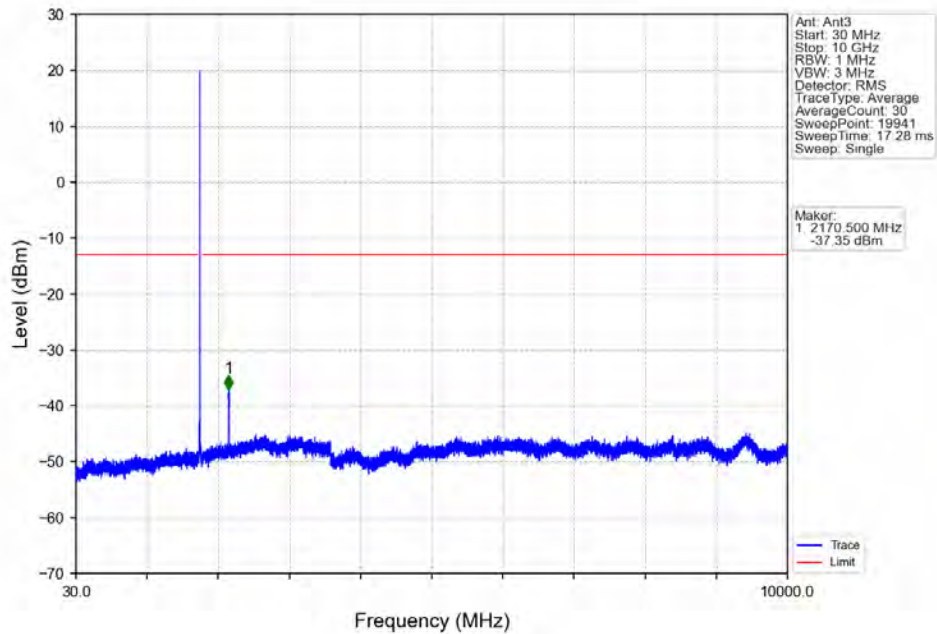
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Band66_15MHz_64QAM_HCH_1772.5MHz_RB_1_0_NTNV



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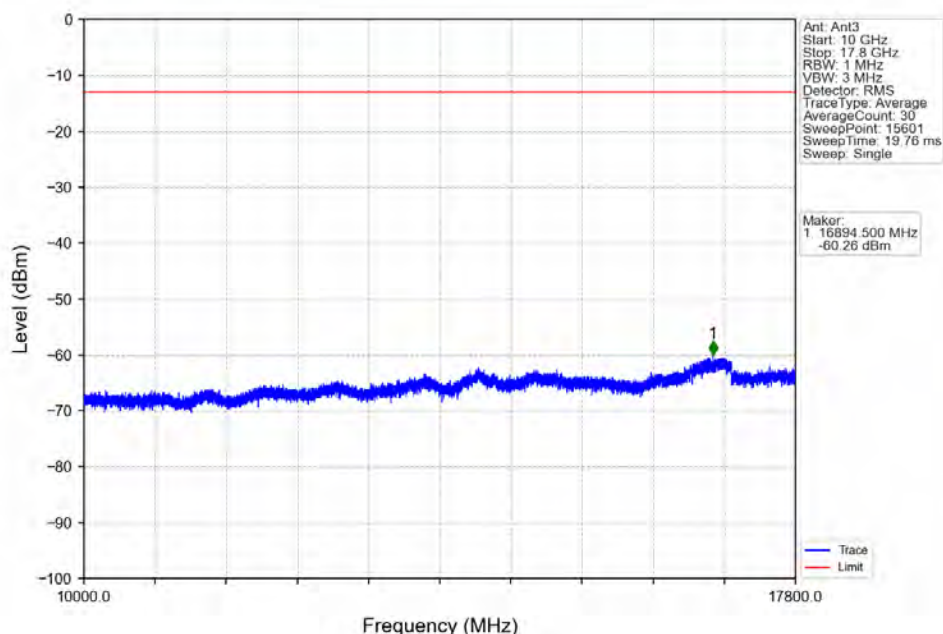
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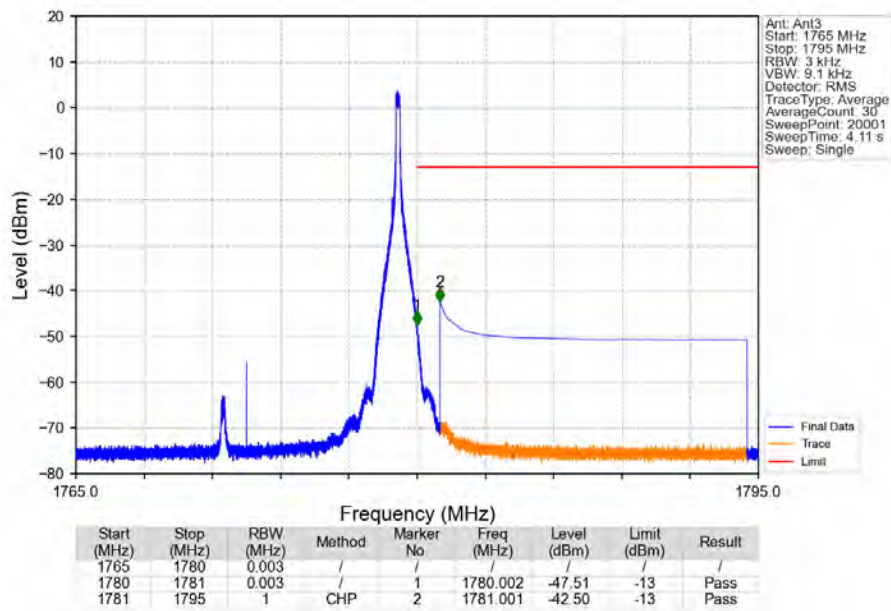
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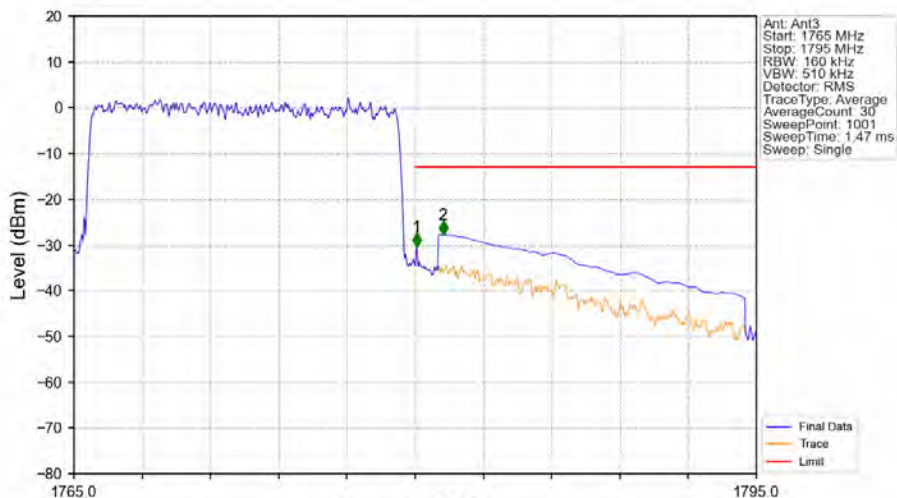
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1765	1780	0.16	/	1	1780.060	-30.51	-13	Pass
1780	1781	0.16	/	2	1781.230	-27.80	-13	Pass
1781	1795	1	CHP					



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5.6 B66_20MHz

5.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTV						
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
	1745	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1770	1	0	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
	1745	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1770	1	0	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
	1745	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1770	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass



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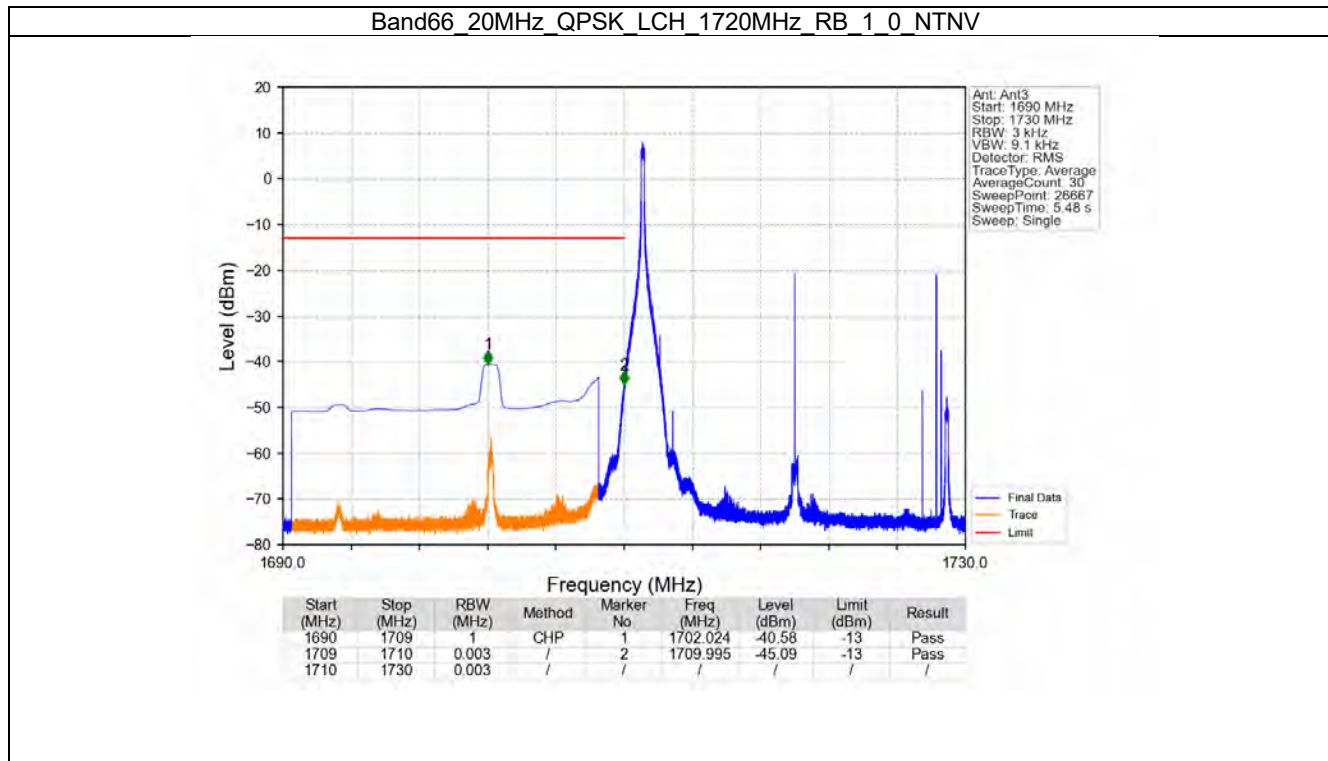
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5.6.2 Test Graph



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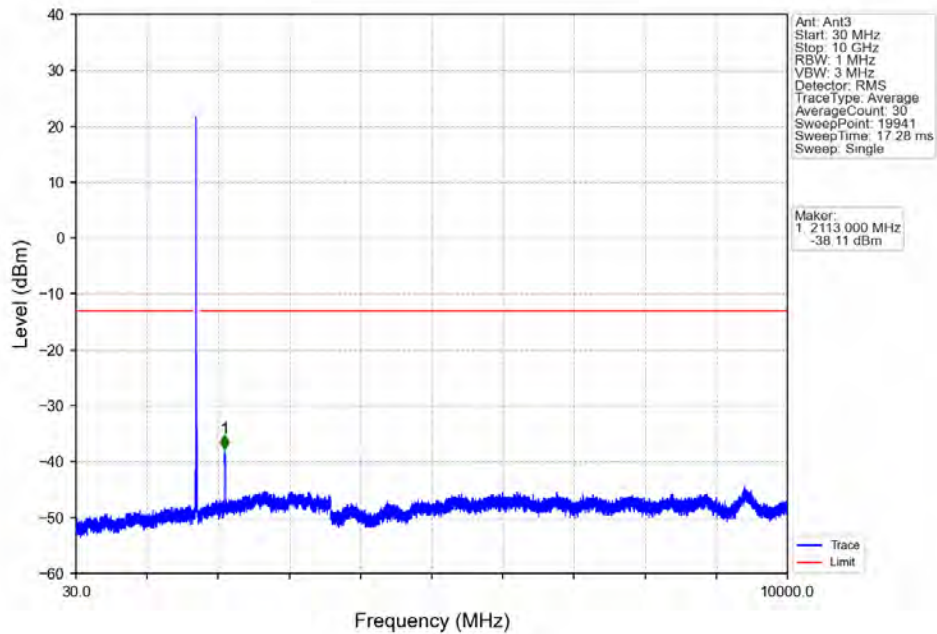
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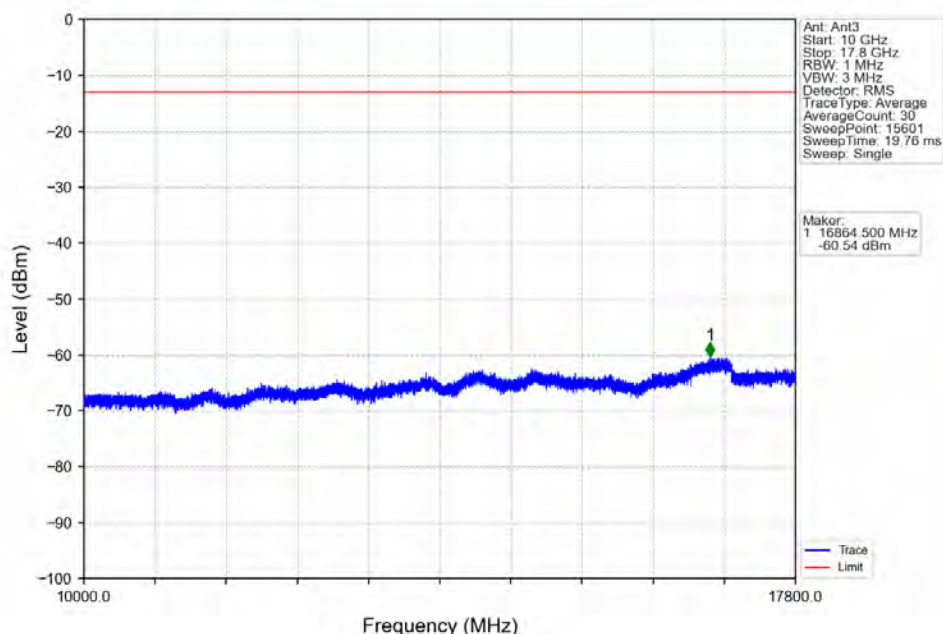
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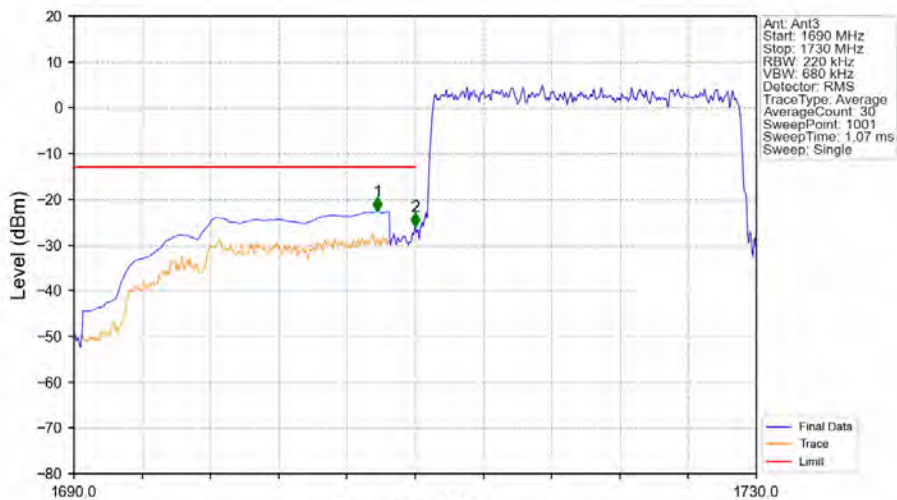
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Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



Frequency (MHz)								
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1707.800	-22.75	-13	Pass
1709	1710	0.22	/	2	1710.000	-26.07	-13	Pass
1710	1730	0.22	/	/	/	/	/	/



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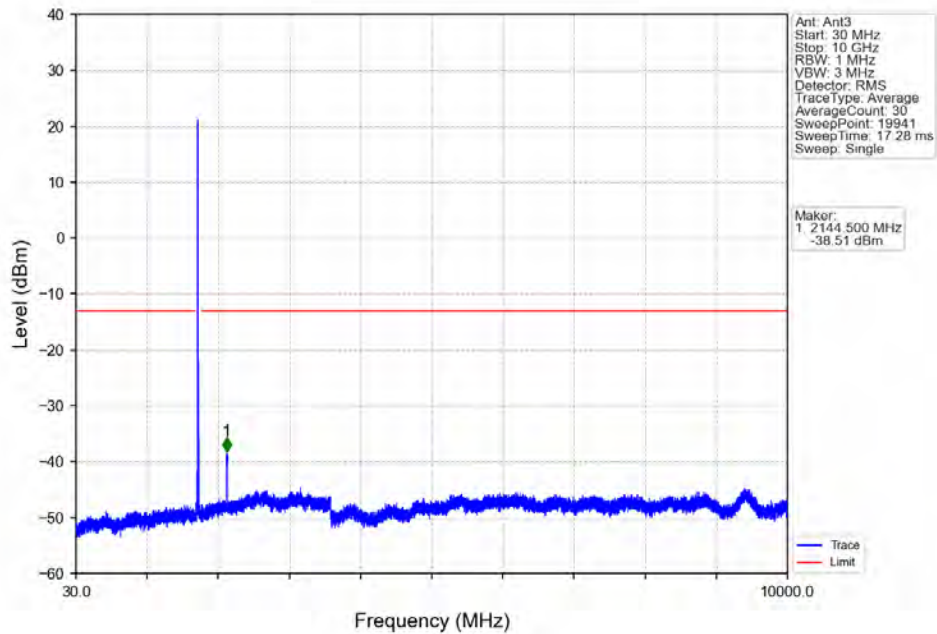
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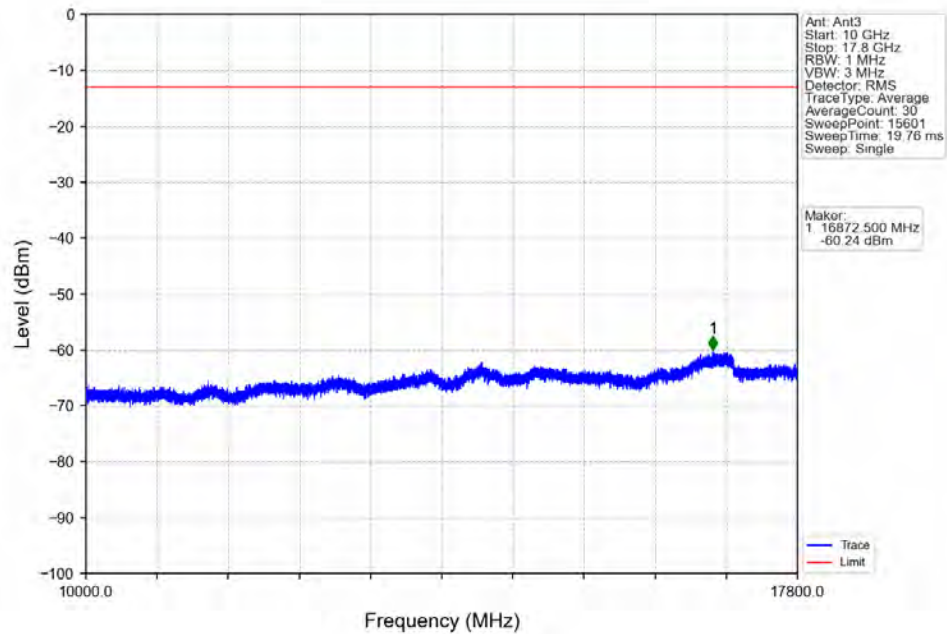
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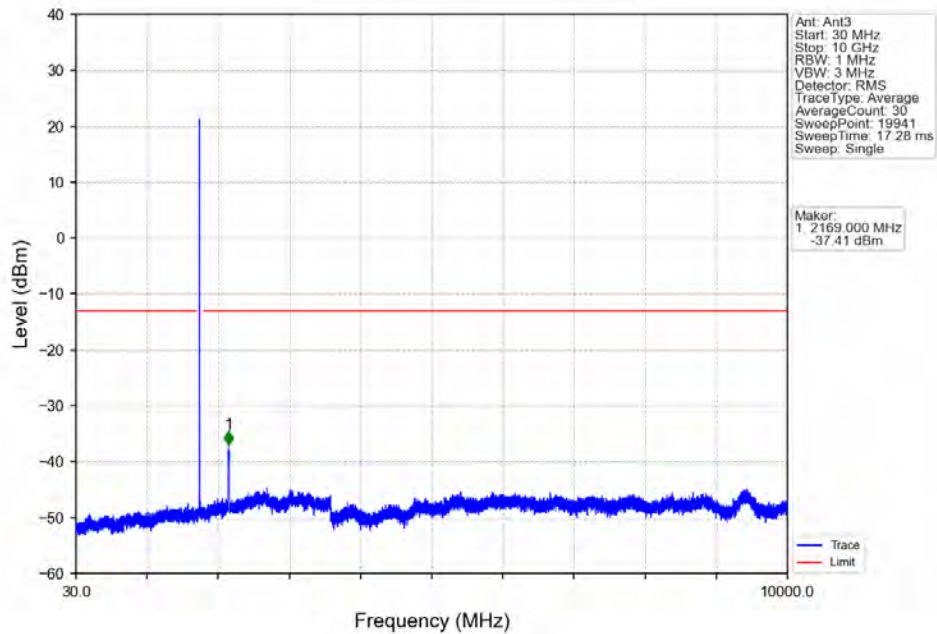
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Band66_20MHz_QPSK_HCH_1770MHz_RB_1_0_NTNV



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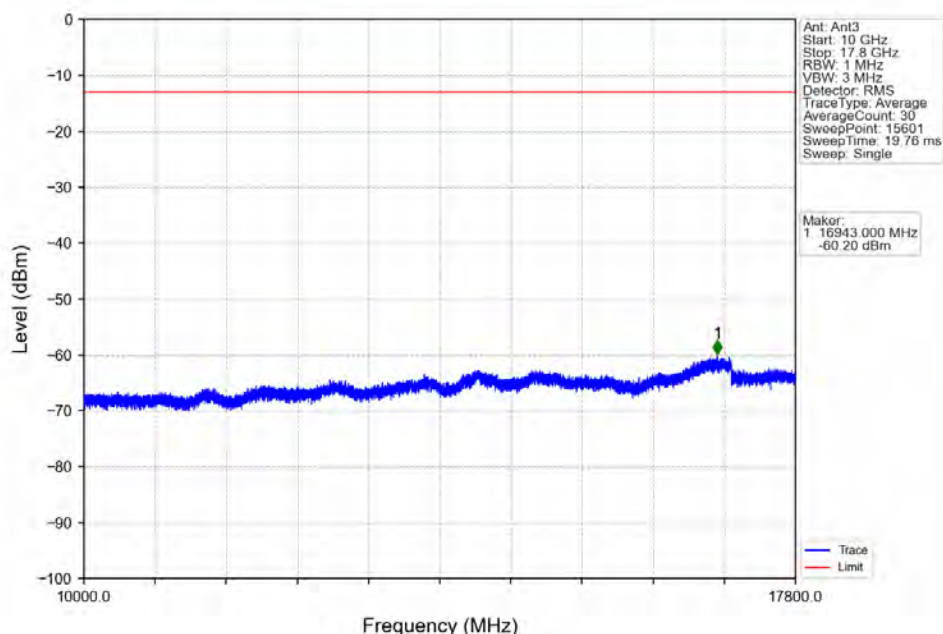
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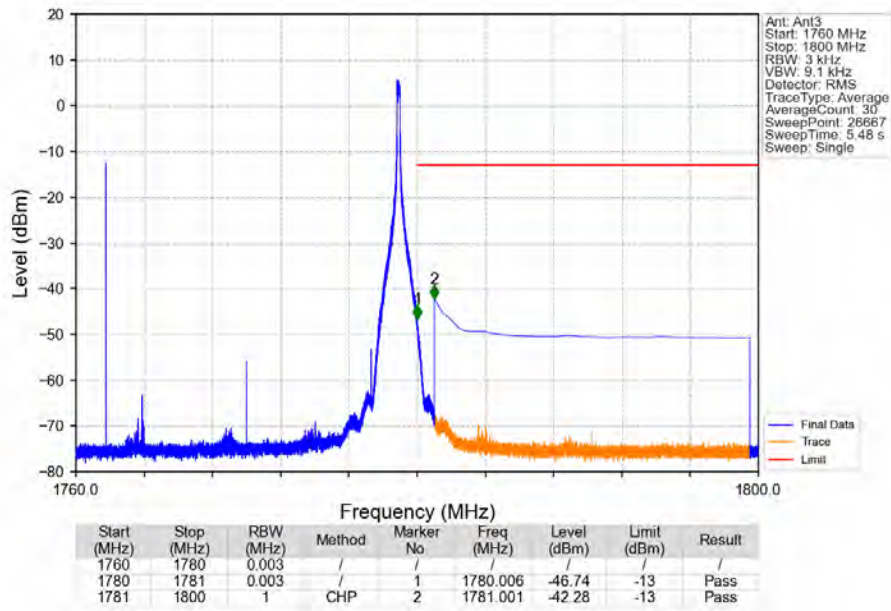
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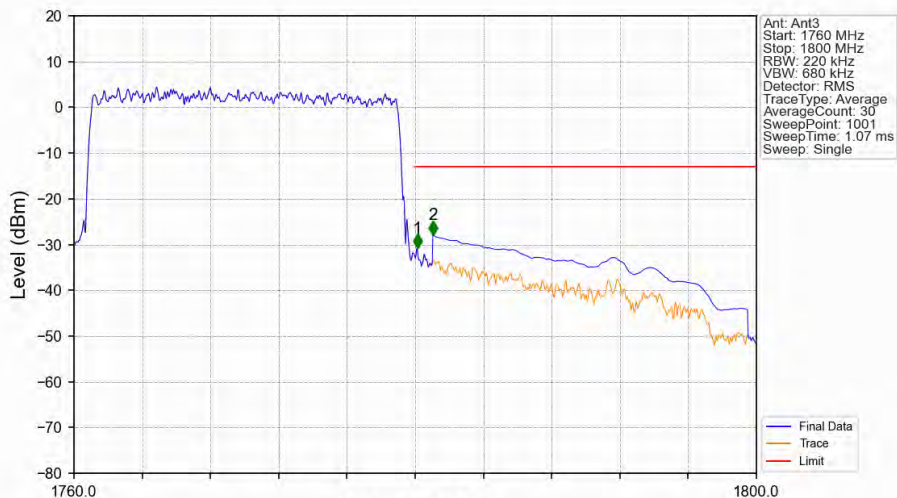
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Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1760	1780	0.22	/	/	/	/	/	/
1780	1781	0.22	/	1	1780.120	-30.83	-13	Pass
1781	1800	1	CHP	2	1781.040	-27.90	-13	Pass



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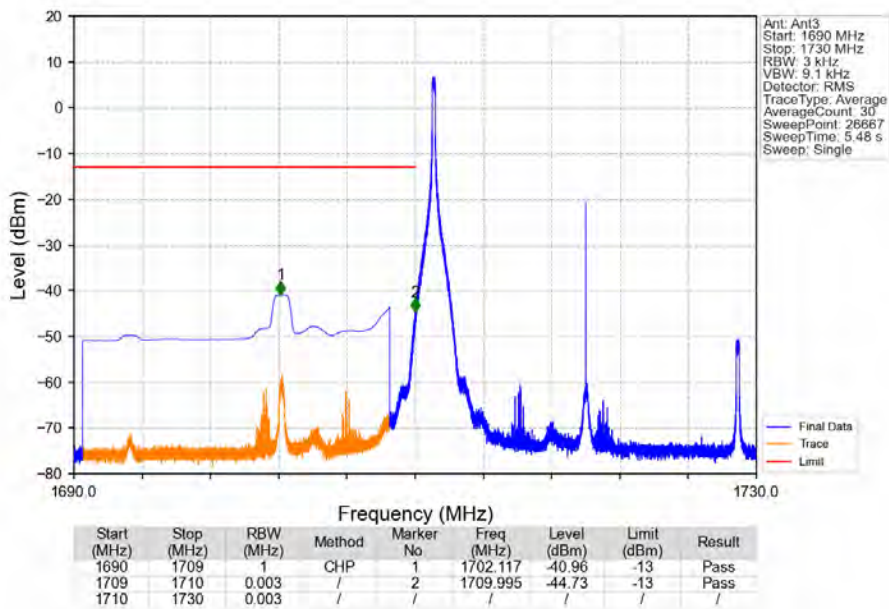
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Band66_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



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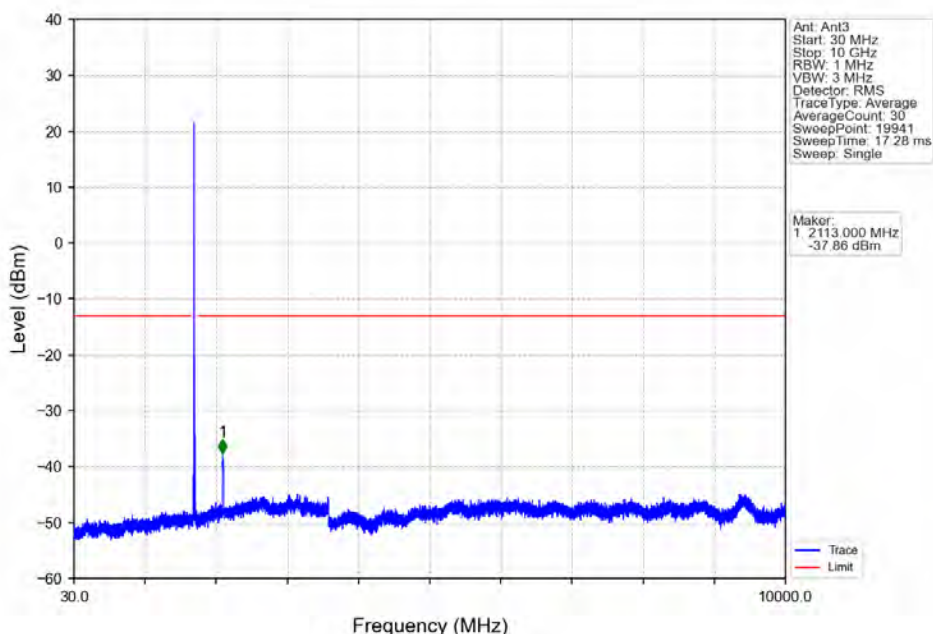
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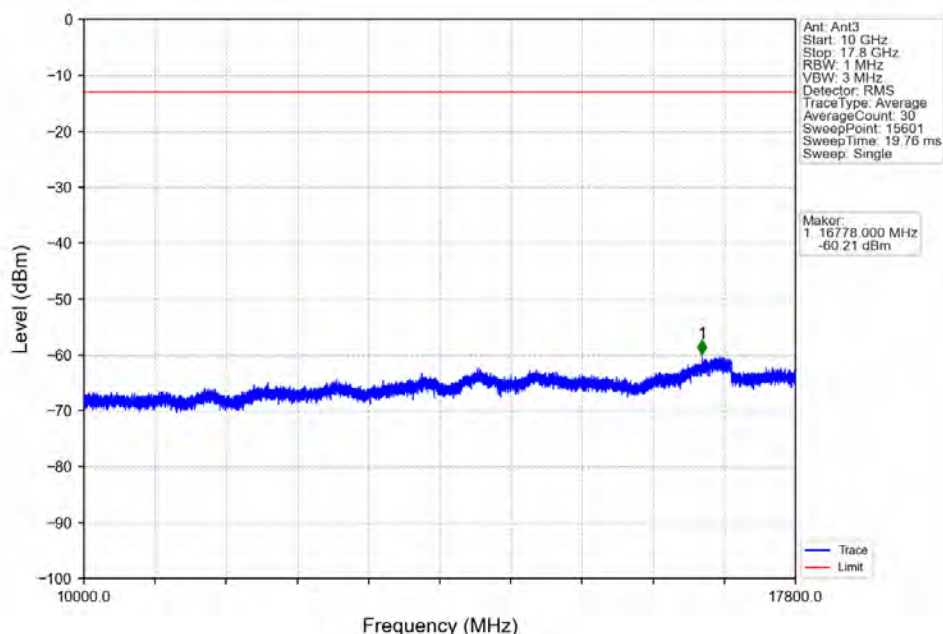
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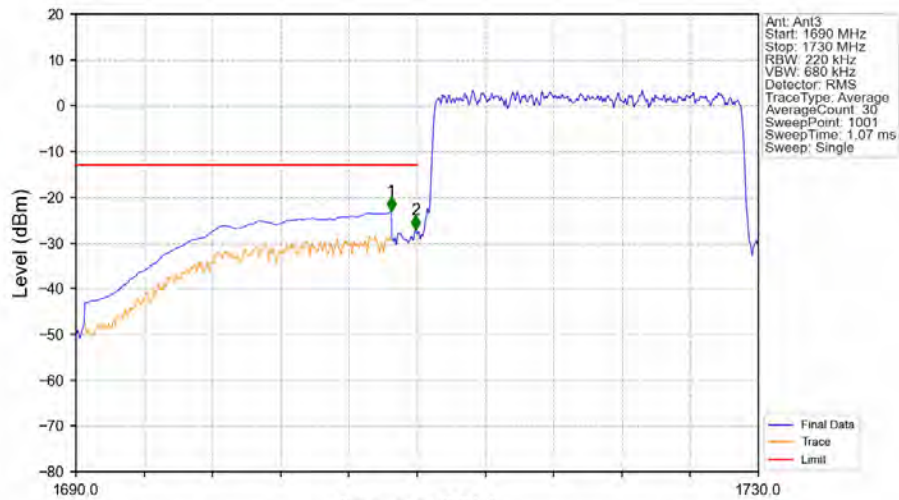
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Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-23.01	-13	Pass
1709	1710	0.22	/	2	1709.920	-27.06	-13	Pass
1710	1730	0.22	/	/	/	/	/	/



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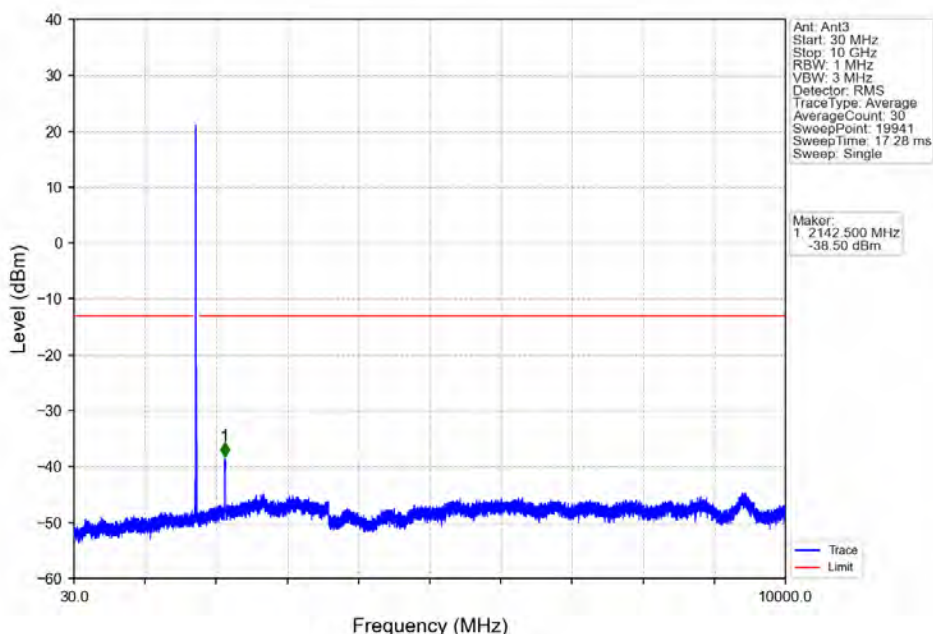
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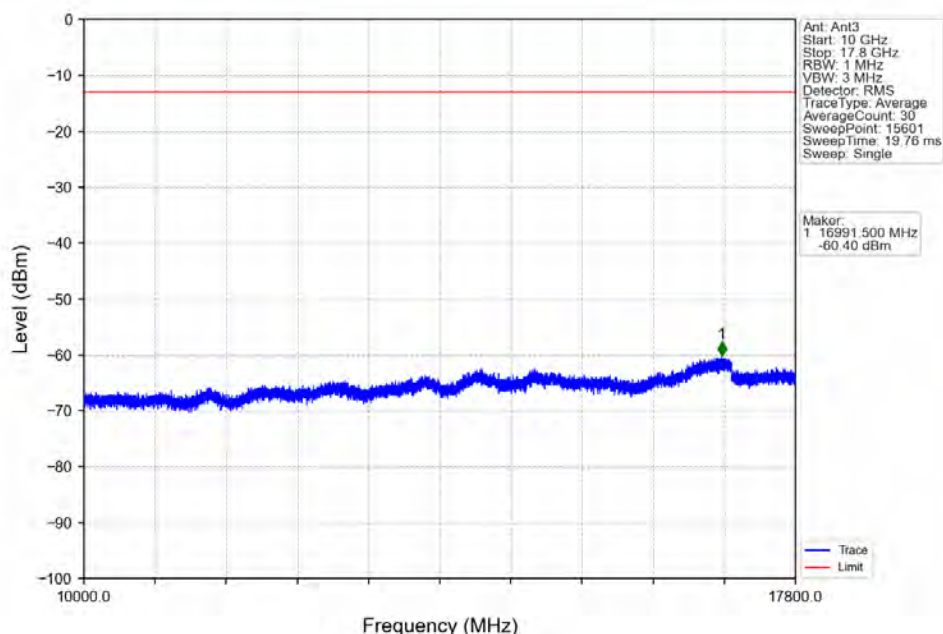
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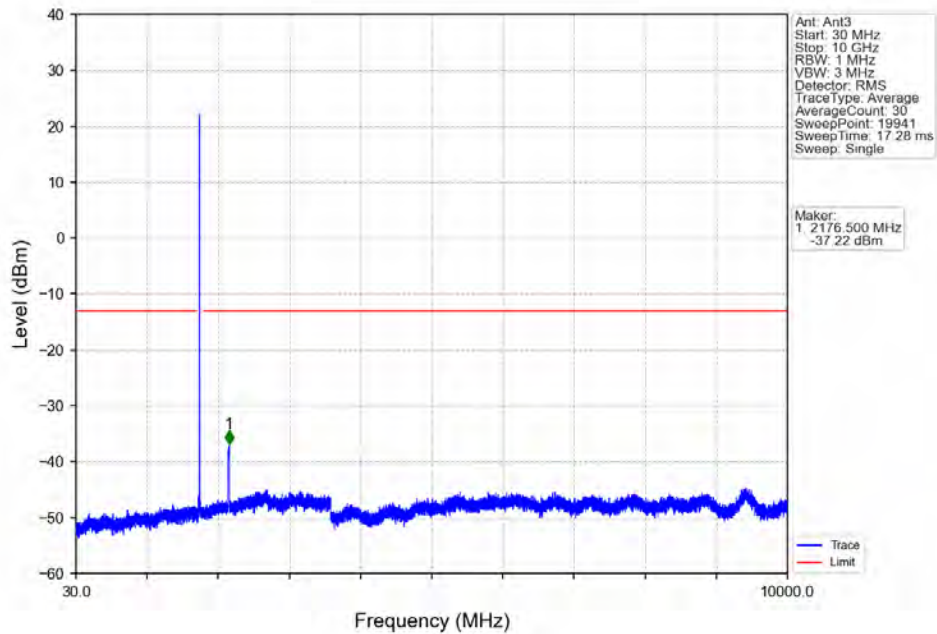
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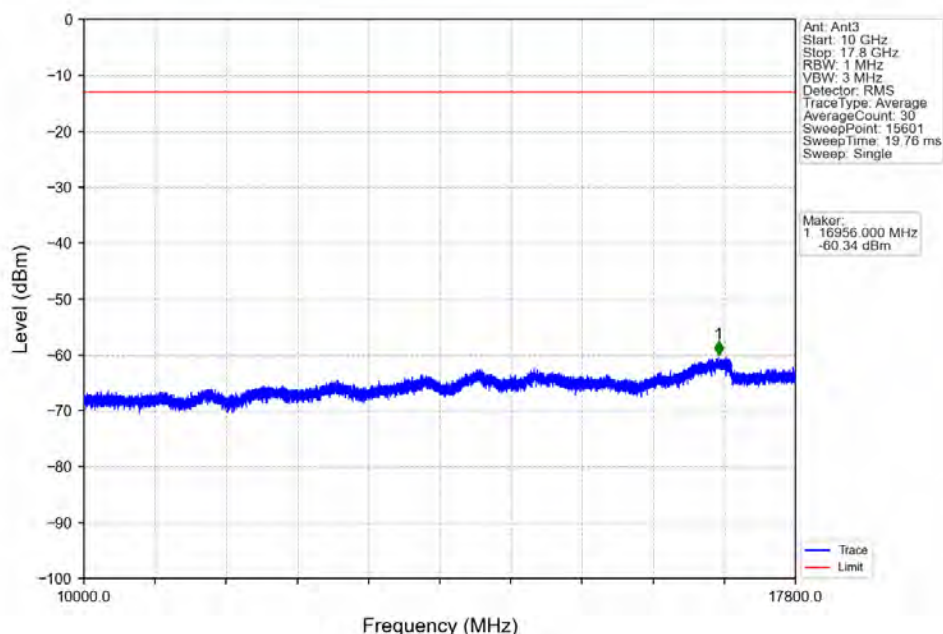
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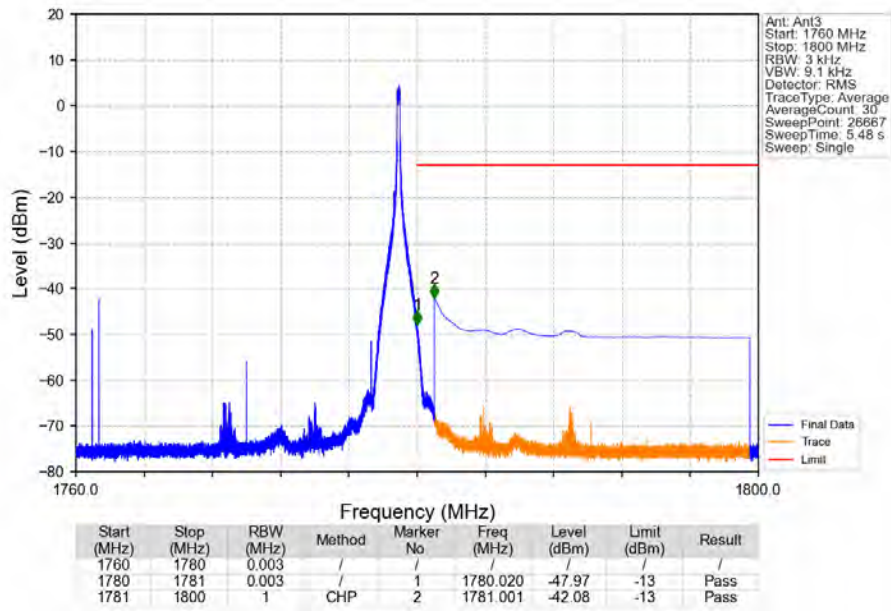
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Band66_20MHz_16QAM_HCH_1770MHz_RB_1_99_NTNV



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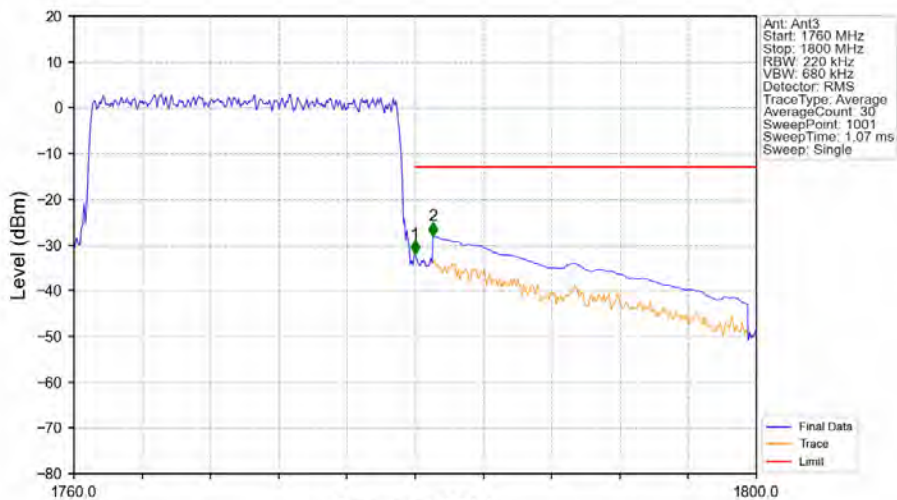
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Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1760	1780	0.22	/	1	1780.000	-31.98	-13	Pass
1780	1781	0.22	/	2	1781.040	-28.08	-13	Pass
1781	1800	1	CHP					



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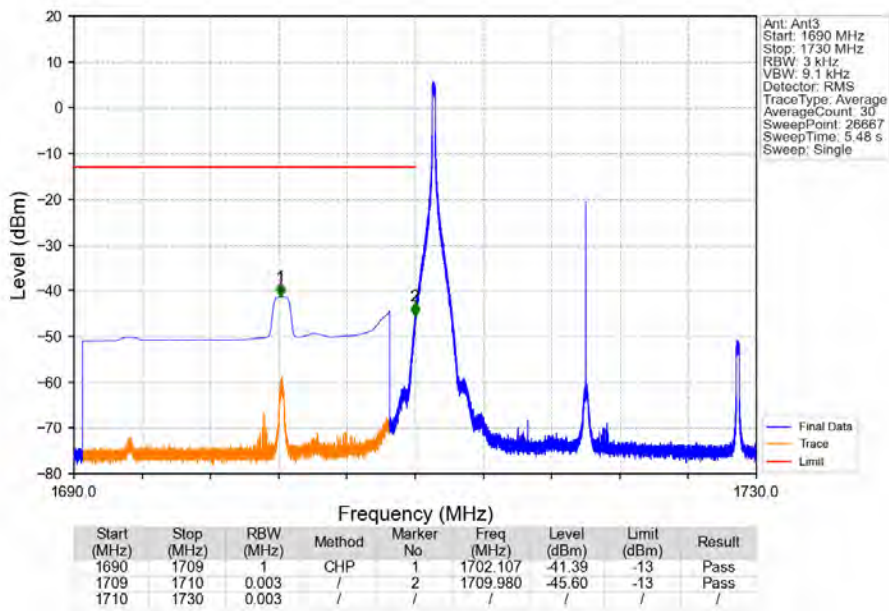
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Band66_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



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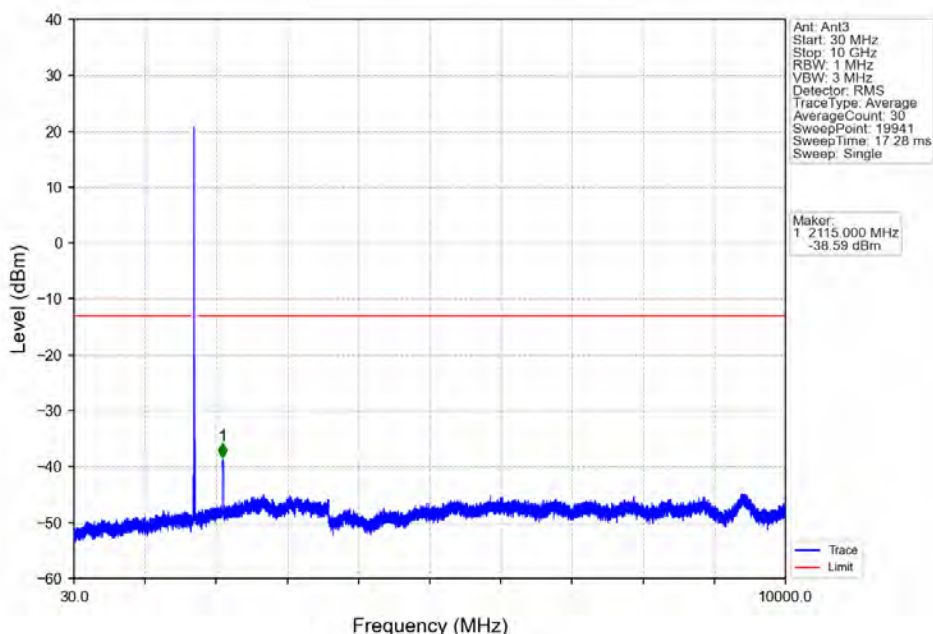
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Band66_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



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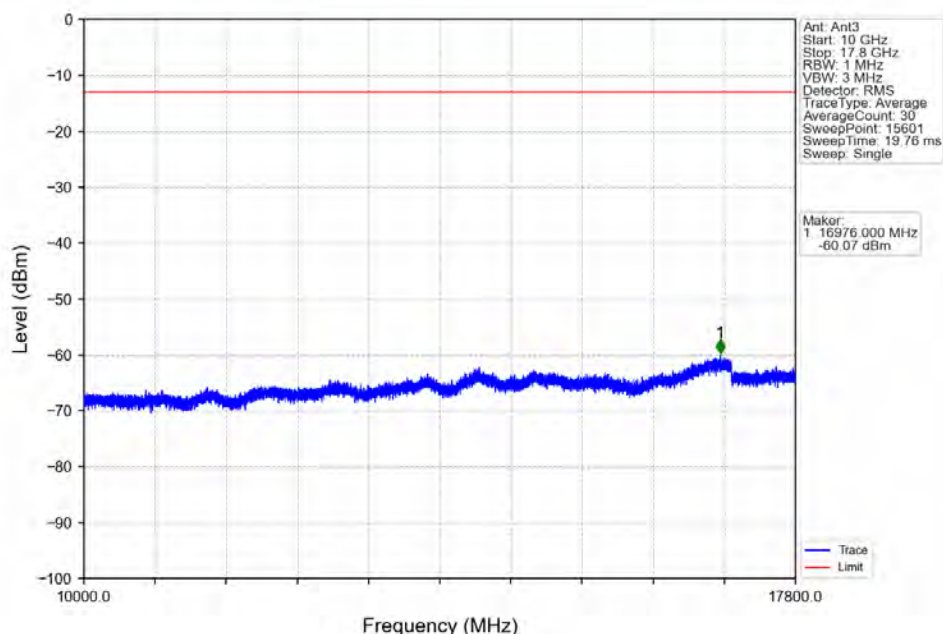
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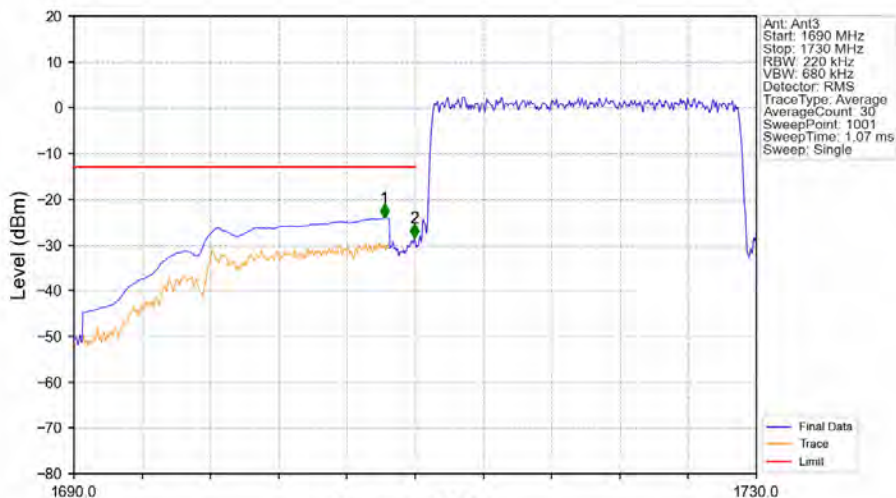
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Band66_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.200	-24.12	-13	Pass
1709	1710	0.22	/	2	1709.960	-28.53	-13	Pass
1710	1730	0.22	/	/	/	/	/	/



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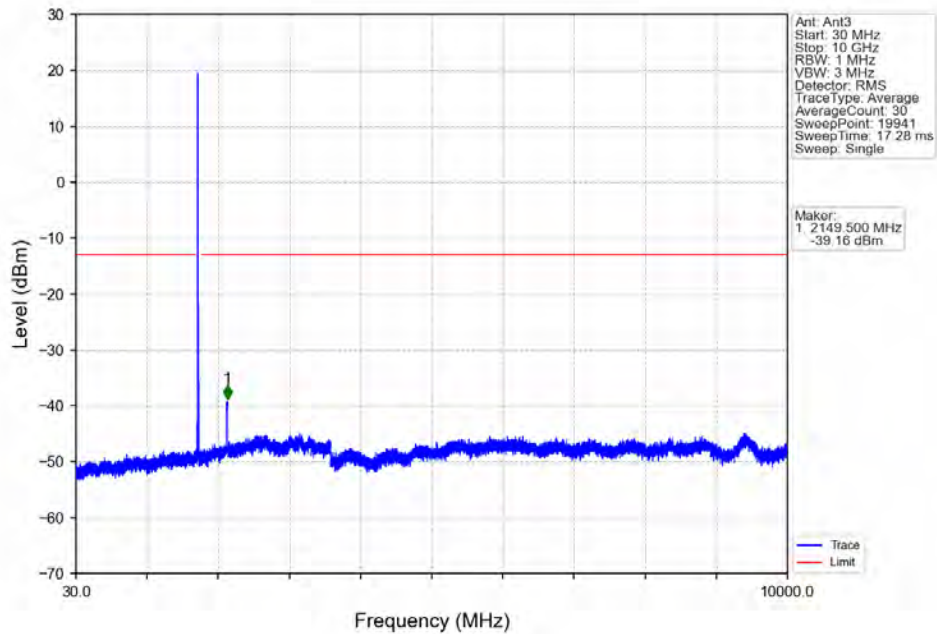
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Band66_20MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



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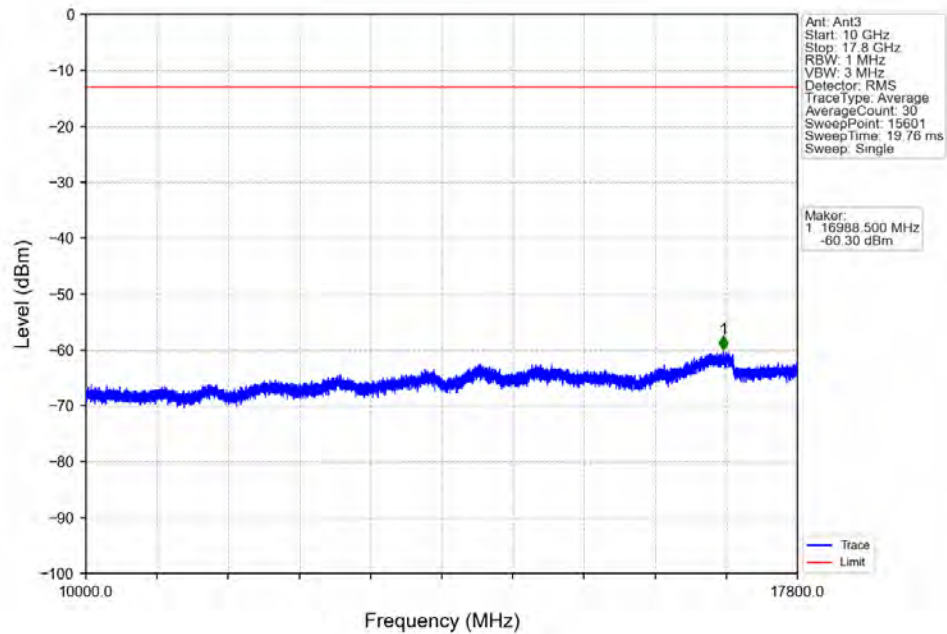
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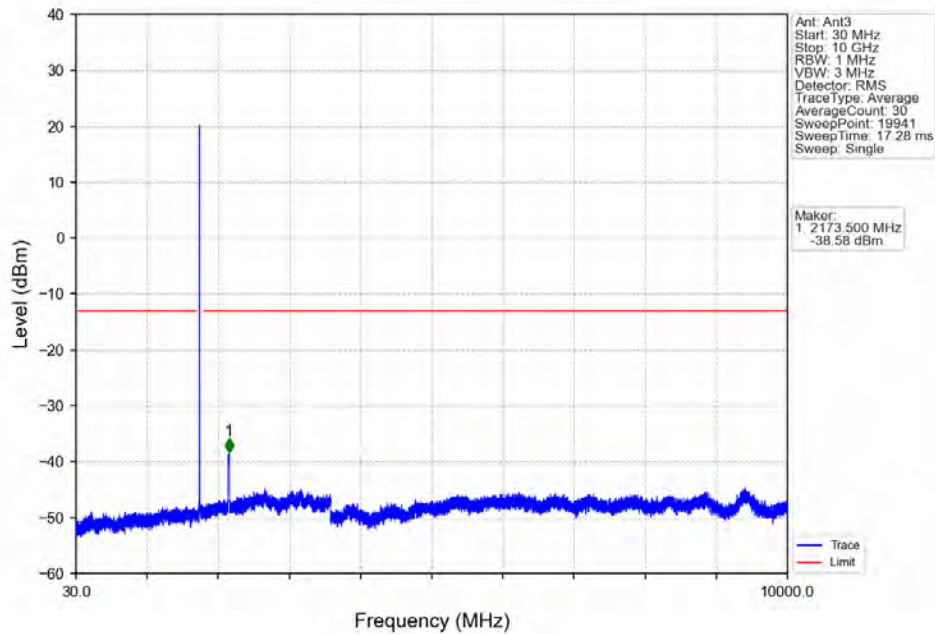
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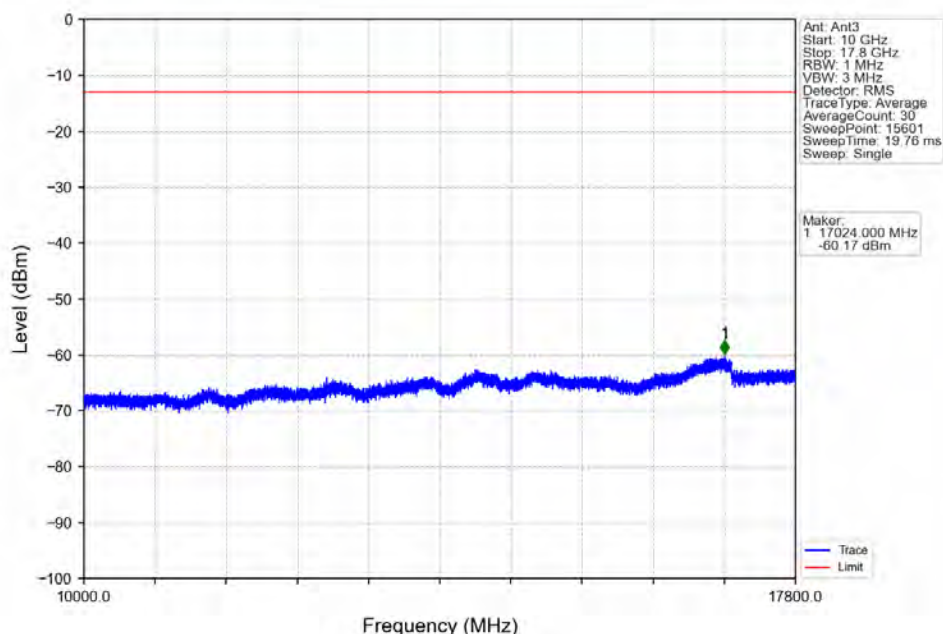
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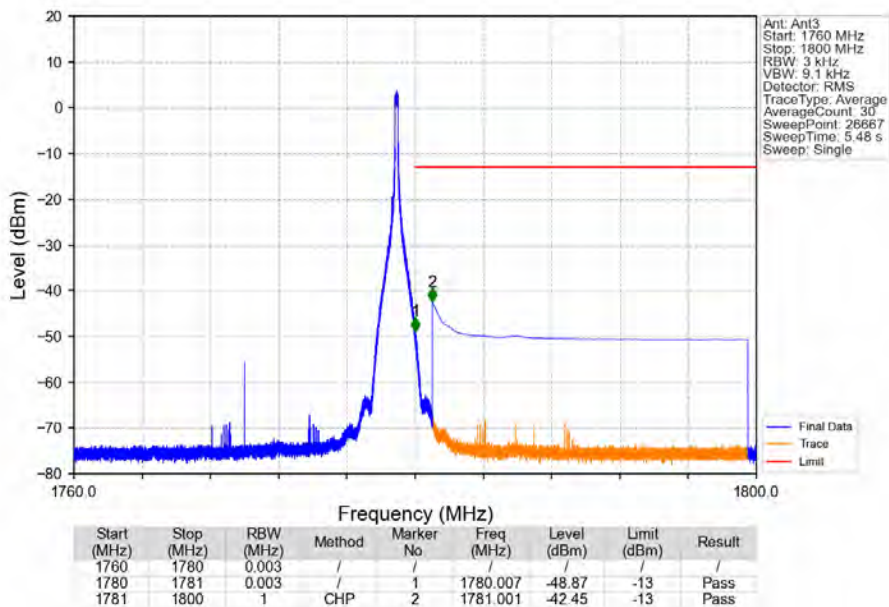
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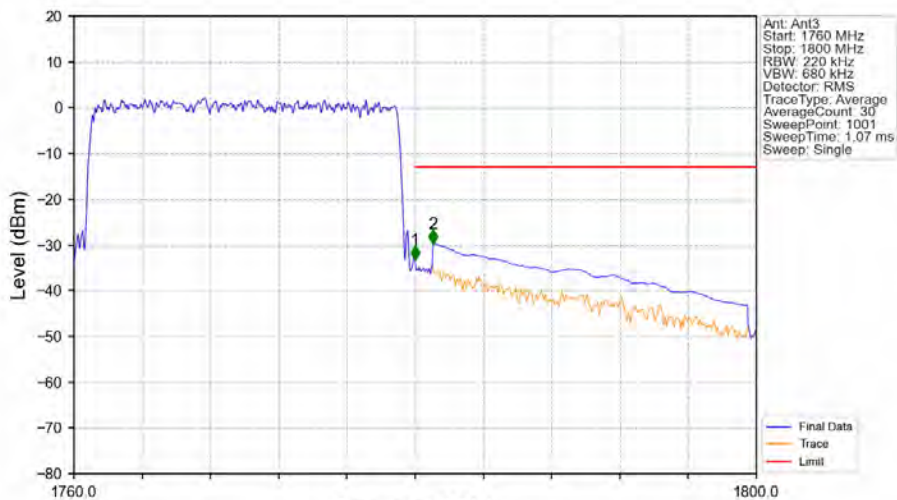
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1760	1780	0.22	/	1	1780.000	-33.23	-13	Pass
1780	1781	0.22	/	2	1781.040	-29.68	-13	Pass
1781	1800	1	CHP					



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6. Field Strength of Spurious Radiation

Test Band = LTE Band 66_ TM1

Test Channel = Low Channel _ Worse ANT

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3404.18	44.31	-48.40	28.66	-70.69	-13.00	57.69	Horizontal
2	5106.27	43.15	-47.82	31.76	-68.18	-13.00	55.18	Horizontal
3	6808.36	42.84	-46.88	35.18	-64.12	-13.00	51.12	Horizontal
4	8510.45	39.52	-44.25	36.92	-63.07	-13.00	50.07	Horizontal
5	10212.54	37.59	-42.01	38.69	-60.99	-13.00	47.99	Horizontal
6	11914.63	36.69	-39.90	39.22	-59.26	-13.00	46.26	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3404.18	44.59	-48.40	28.66	-70.41	-13.00	57.41	Vertical
2	5106.27	43.29	-47.82	31.76	-68.04	-13.00	55.04	Vertical
3	6808.36	42.95	-46.88	35.18	-64.01	-13.00	51.01	Vertical
4	8510.45	39.34	-44.25	36.92	-63.25	-13.00	50.25	Vertical
5	10212.54	38.21	-42.01	38.69	-60.37	-13.00	47.37	Vertical
6	11914.63	36.16	-39.90	39.22	-59.79	-13.00	46.79	Vertical



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Test Band = LTE Band 66_ TM1

Test Channel = Mid Channel _ Worse ANT

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3454.18	43.83	-48.34	28.68	-71.09	-13.00	58.09	Horizontal
2	5181.27	42.95	-47.88	31.94	-68.25	-13.00	55.25	Horizontal
3	6908.36	42.51	-46.72	35.40	-64.07	-13.00	51.07	Horizontal
4	8635.45	39.64	-44.02	37.09	-62.55	-13.00	49.55	Horizontal
5	10362.54	37.99	-41.21	38.83	-59.65	-13.00	46.65	Horizontal
6	12089.63	37.57	-39.61	39.15	-58.15	-13.00	45.15	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3454.18	44.47	-48.34	28.68	-70.45	-13.00	57.45	Vertical
2	5181.27	43.38	-47.88	31.94	-67.82	-13.00	54.82	Vertical
3	6908.36	42.74	-46.72	35.40	-63.84	-13.00	50.84	Vertical
4	8635.45	39.46	-44.02	37.09	-62.73	-13.00	49.73	Vertical
5	10362.54	38.43	-41.21	38.83	-59.21	-13.00	46.21	Vertical
6	12089.63	36.09	-39.61	39.15	-59.63	-13.00	46.63	Vertical



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Report No.: SEWM2311000454RG01

Rev.: 01

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Test Band = LTE Band 66_ TM1

Test Channel = High Channel _ Worse ANT

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3504.18	44.30	-48.29	28.71	-70.54	-13.00	57.54	Horizontal
2	5256.27	43.50	-47.83	32.12	-67.47	-13.00	54.47	Horizontal
3	7008.36	42.36	-46.53	35.62	-63.81	-13.00	50.81	Horizontal
4	8760.45	40.73	-44.04	37.27	-61.31	-13.00	48.31	Horizontal
5	10512.54	37.46	-40.73	38.96	-59.57	-13.00	46.57	Horizontal
6	12262.63	36.34	-39.76	39.04	-59.64	-13.00	46.64	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3504.18	44.10	-48.29	28.71	-70.74	-13.00	57.74	Vertical
2	5256.27	43.24	-47.83	32.12	-67.73	-13.00	54.73	Vertical
3	7008.36	42.20	-46.53	35.62	-63.97	-13.00	50.97	Vertical
4	8760.45	40.56	-44.04	37.27	-61.48	-13.00	48.48	Vertical
5	10512.54	37.30	-40.73	38.96	-59.73	-13.00	46.73	Vertical
6	12262.63	36.22	-39.76	39.04	-59.76	-13.00	46.76	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---



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