



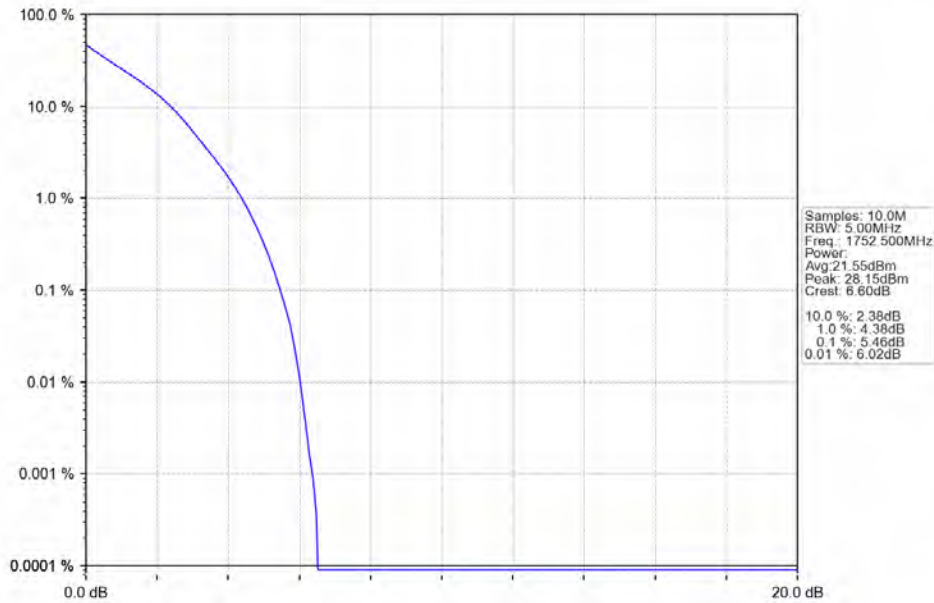
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Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



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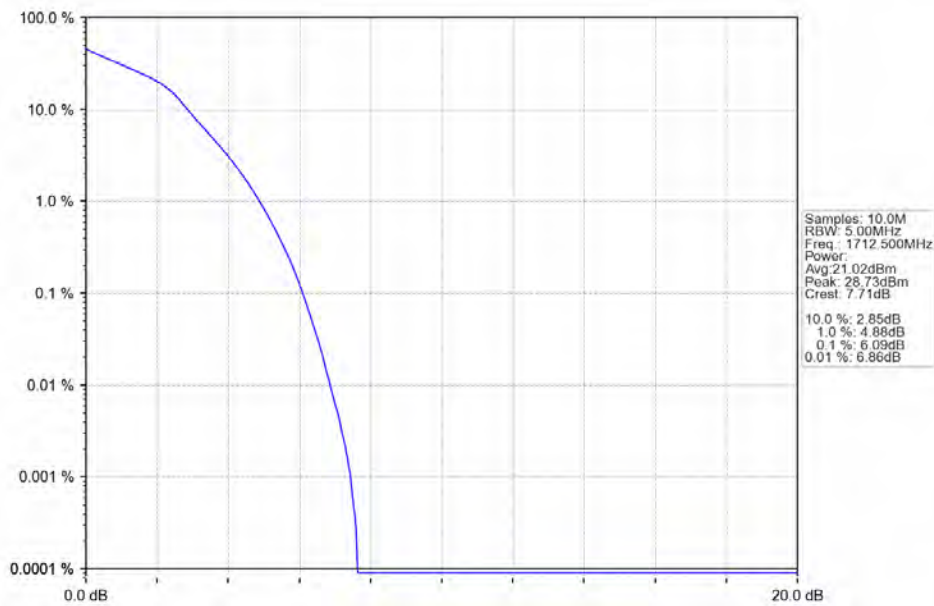
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Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



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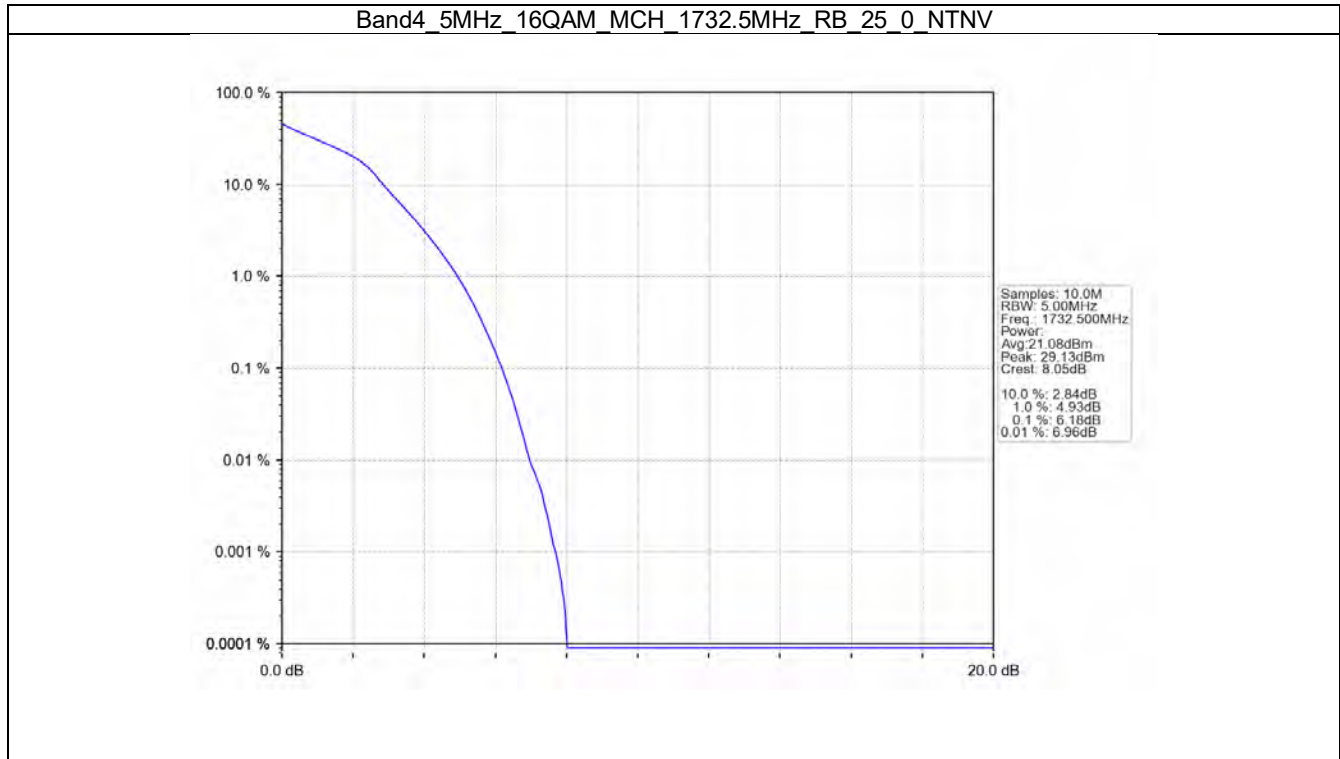


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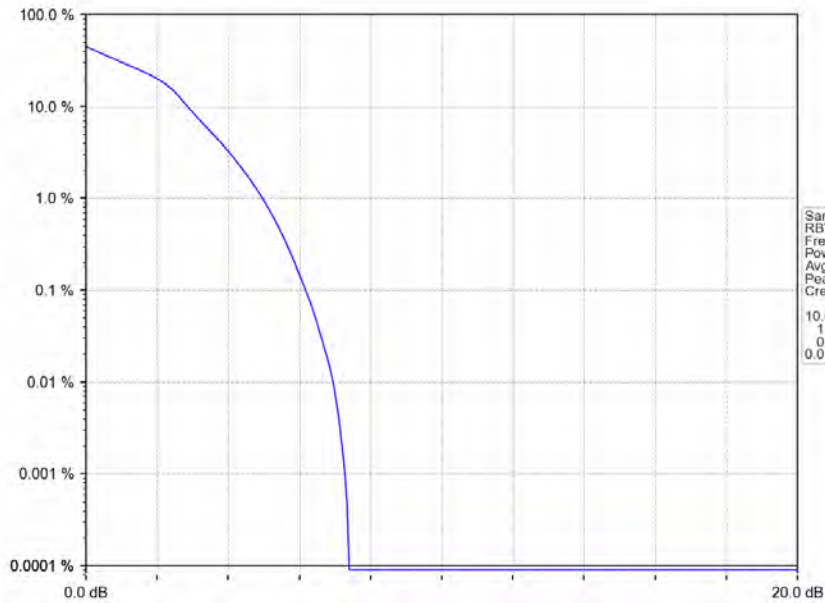
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Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq.: 1752.500MHz
Power:
Avg: 20.60dBm
Peak: 28.02dBm
Crest: 7.42dB
10.0 %: 2.85dB
1.0 %: 4.96dB
0.1 %: 6.17dB
0.01 %: 6.94dB



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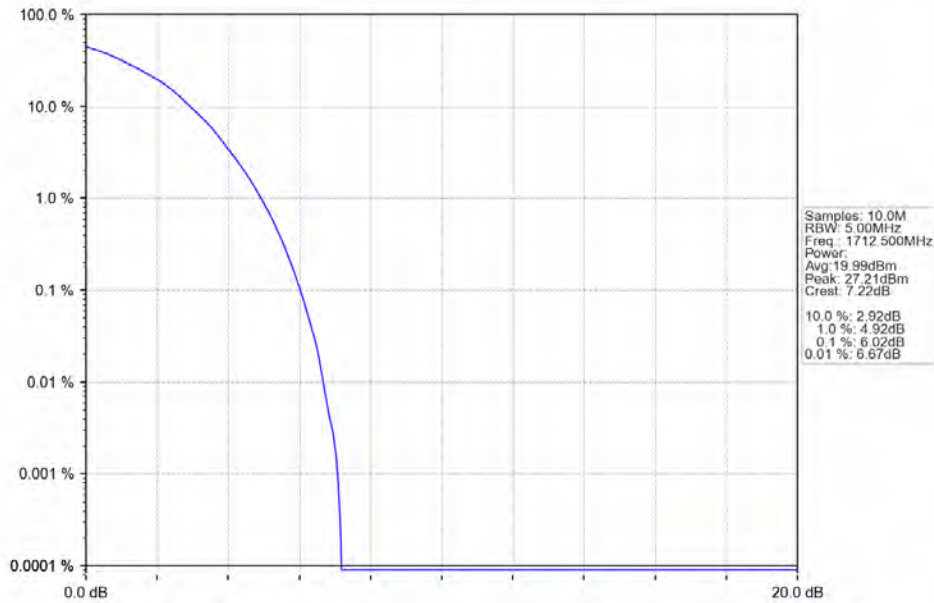
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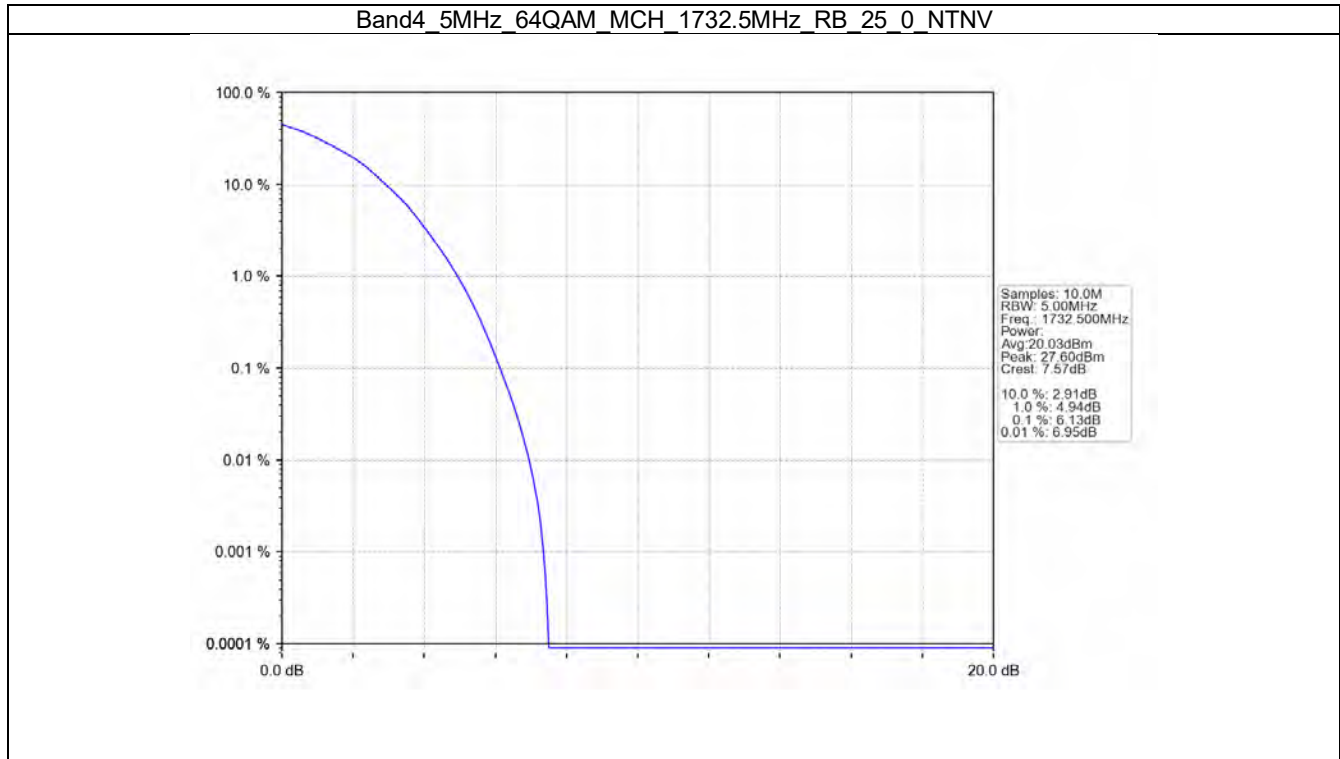


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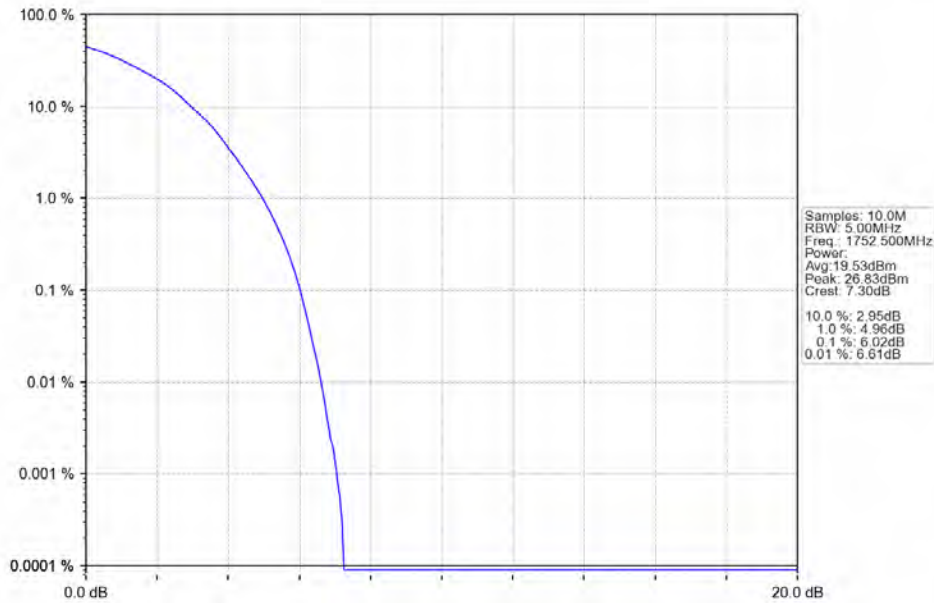
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4.4 B4_10MHz

4.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.44	<=13	Pass
	1732.5	50	0	5.47	<=13	Pass
	1750	50	0	5.43	<=13	Pass
16QAM	1715	50	0	6.12	<=13	Pass
	1732.5	50	0	6.20	<=13	Pass
	1750	50	0	6.19	<=13	Pass
64QAM	1715	50	0	6.05	<=13	Pass
	1732.5	50	0	6.15	<=13	Pass
	1750	50	0	6.01	<=13	Pass



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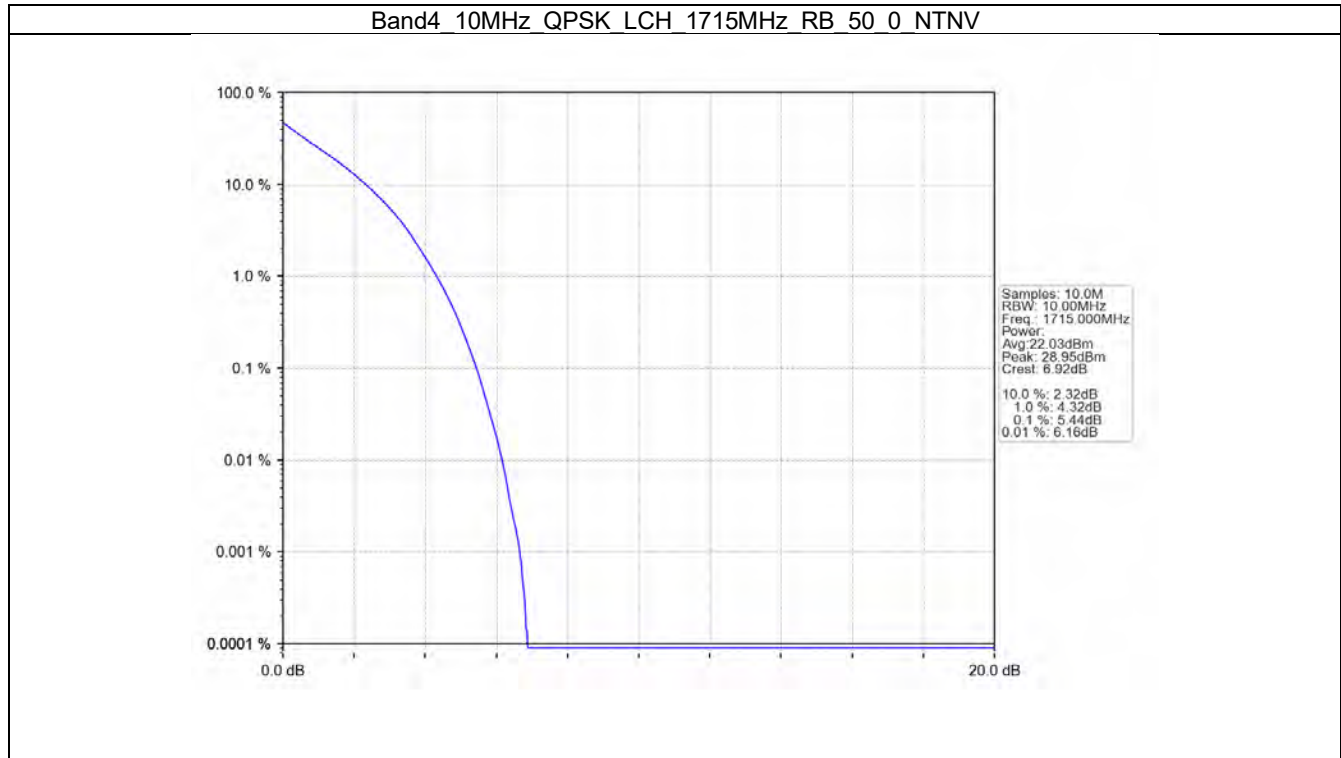
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4.4.2 Test Graph



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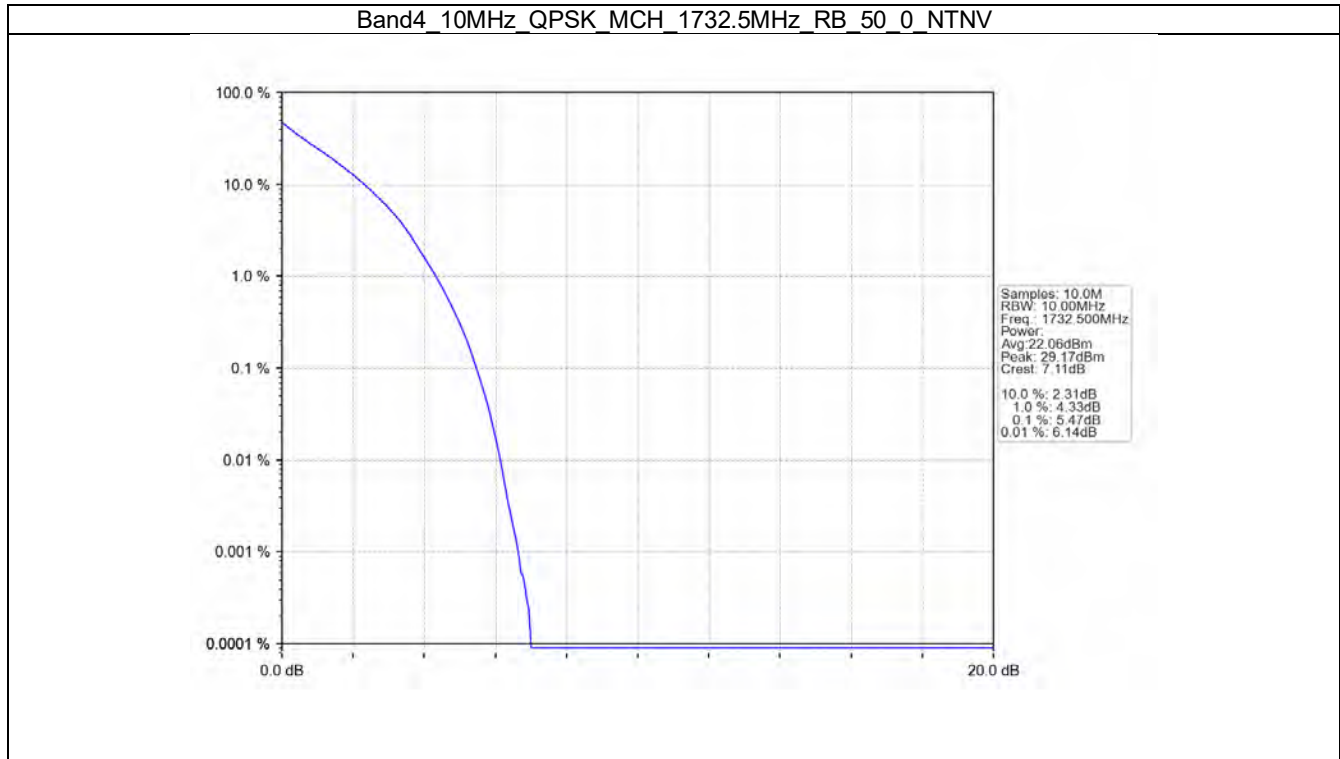


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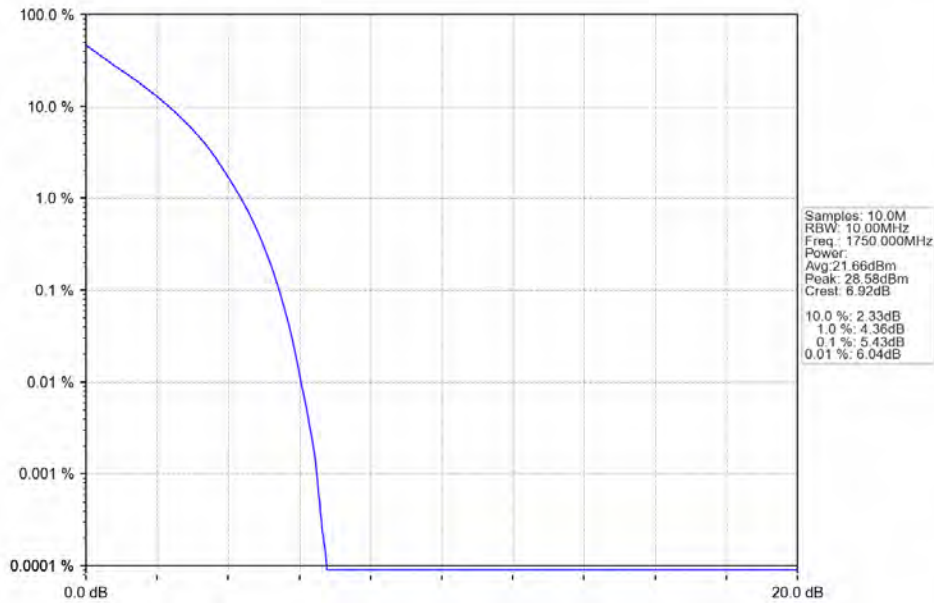
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Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



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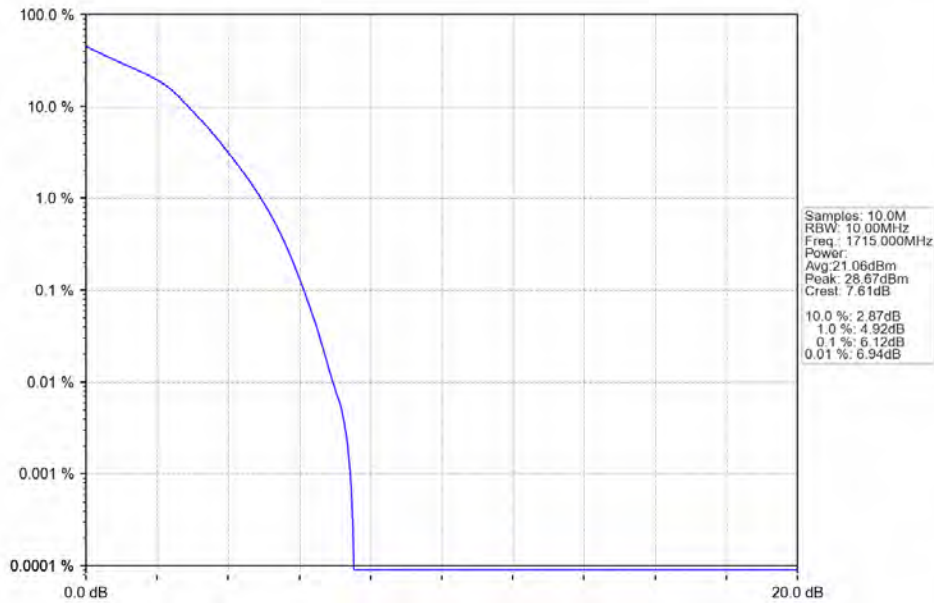
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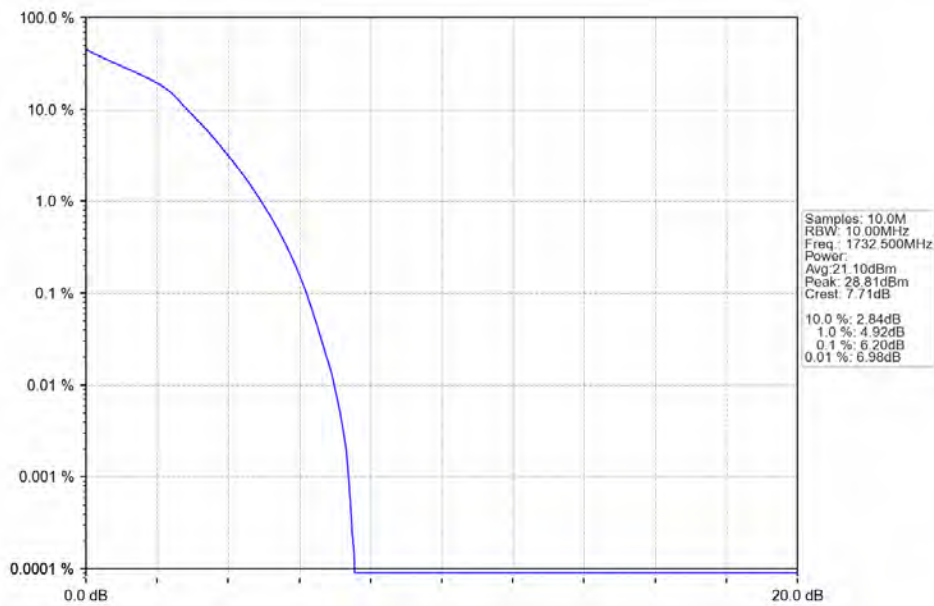
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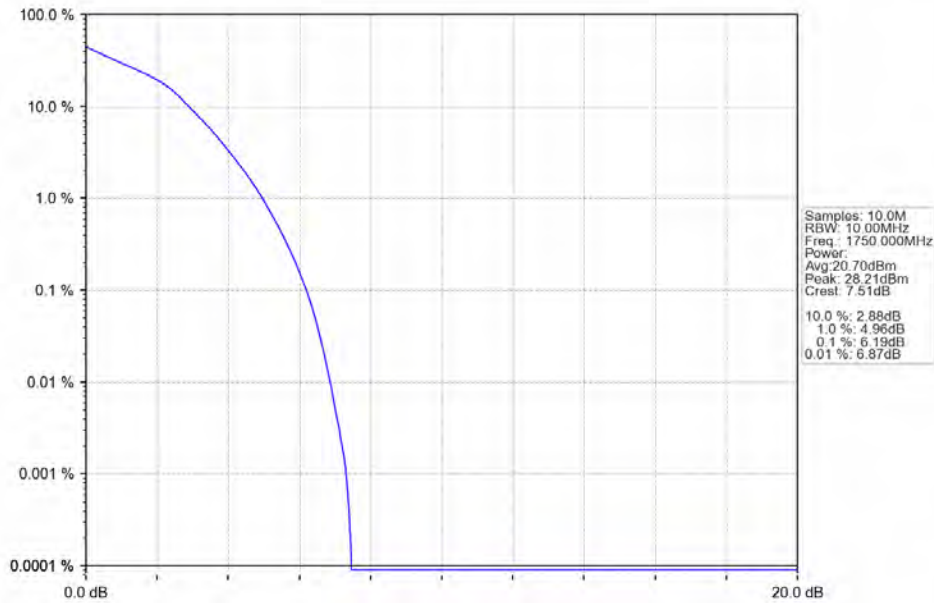
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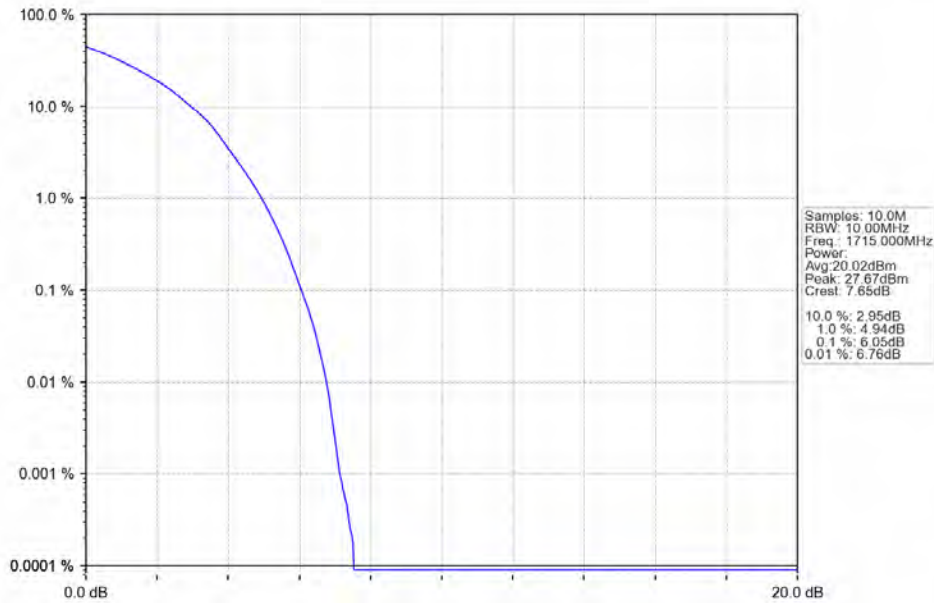
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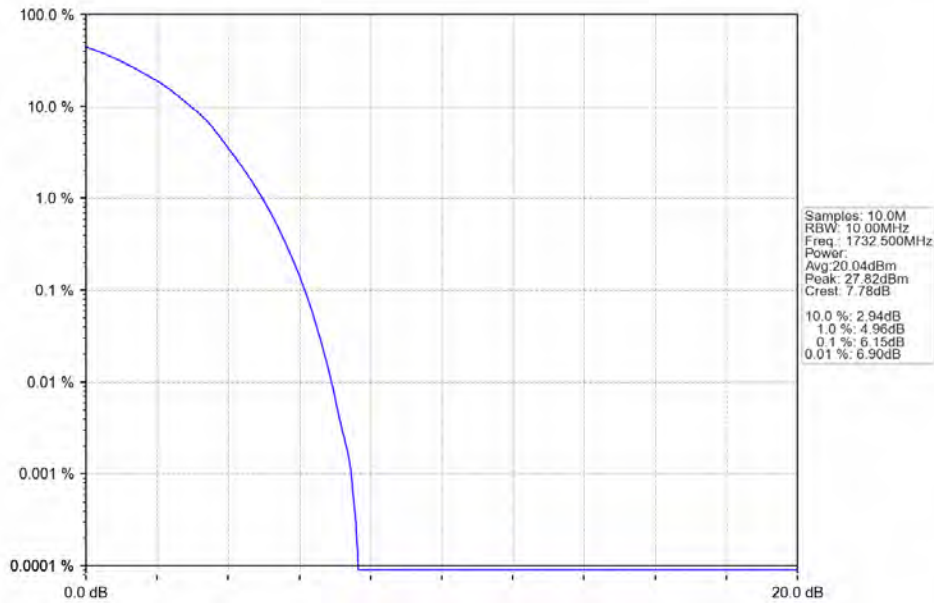
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Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



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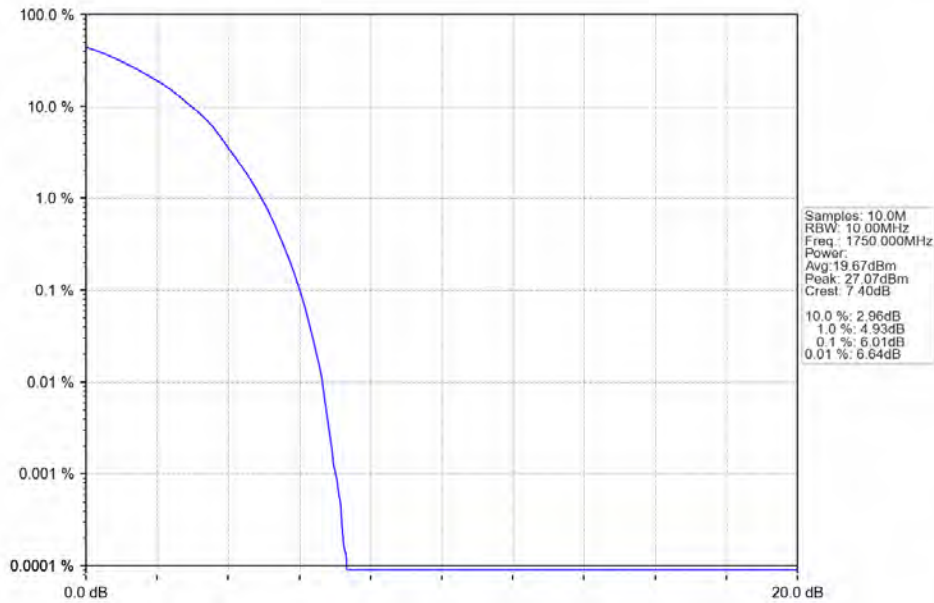
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Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



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4.5 B4_15MHz

4.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.74	<=13	Pass
	1732.5	75	0	5.75	<=13	Pass
	1747.5	75	0	5.70	<=13	Pass
16QAM	1717.5	75	0	6.22	<=13	Pass
	1732.5	75	0	6.24	<=13	Pass
	1747.5	75	0	6.25	<=13	Pass
64QAM	1717.5	75	0	6.12	<=13	Pass
	1732.5	75	0	6.13	<=13	Pass
	1747.5	75	0	6.09	<=13	Pass



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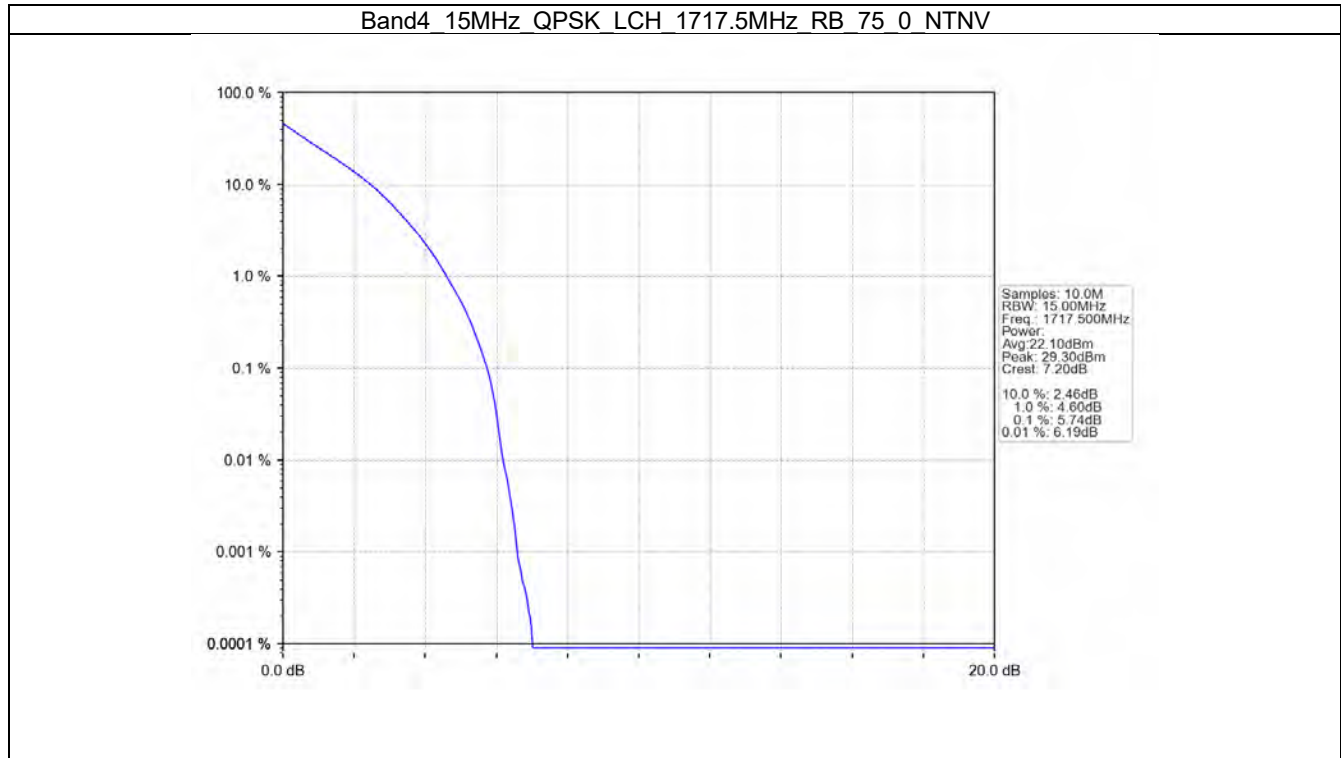
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4.5.2 Test Graph



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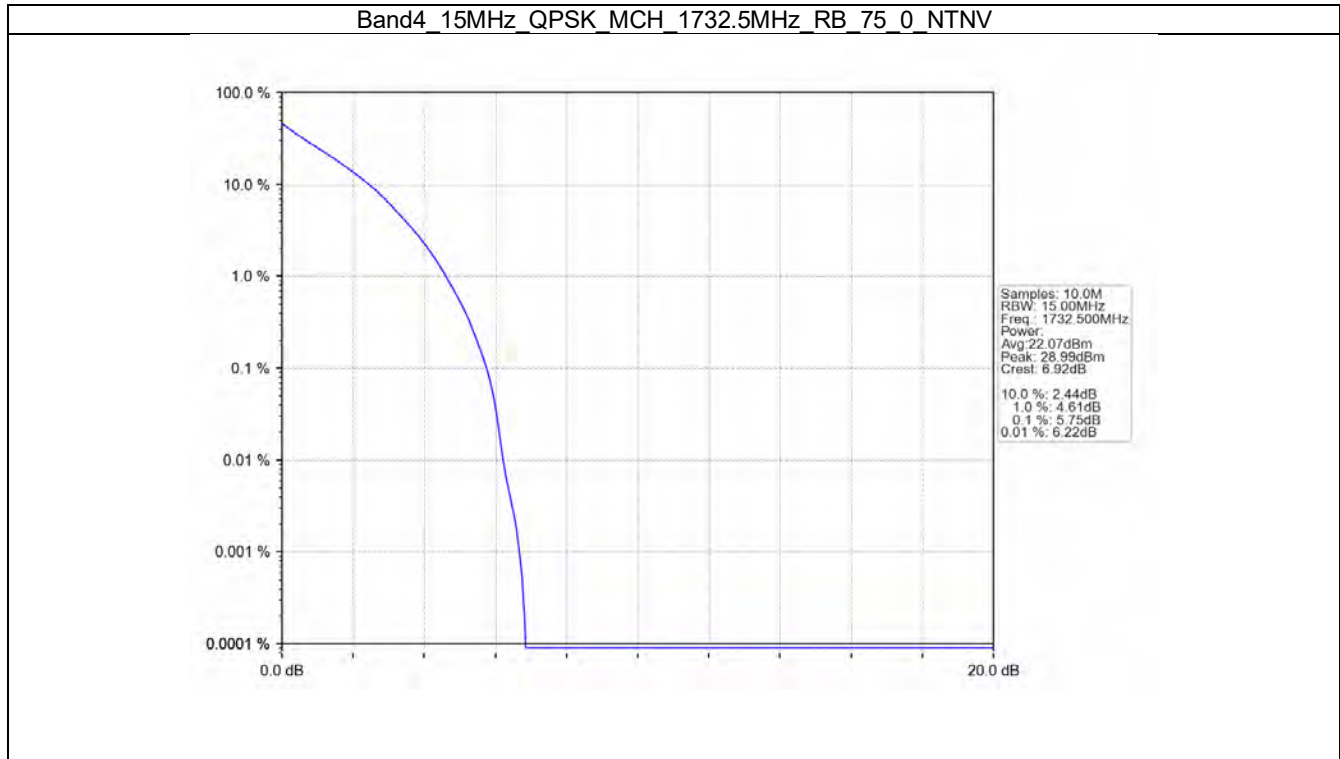


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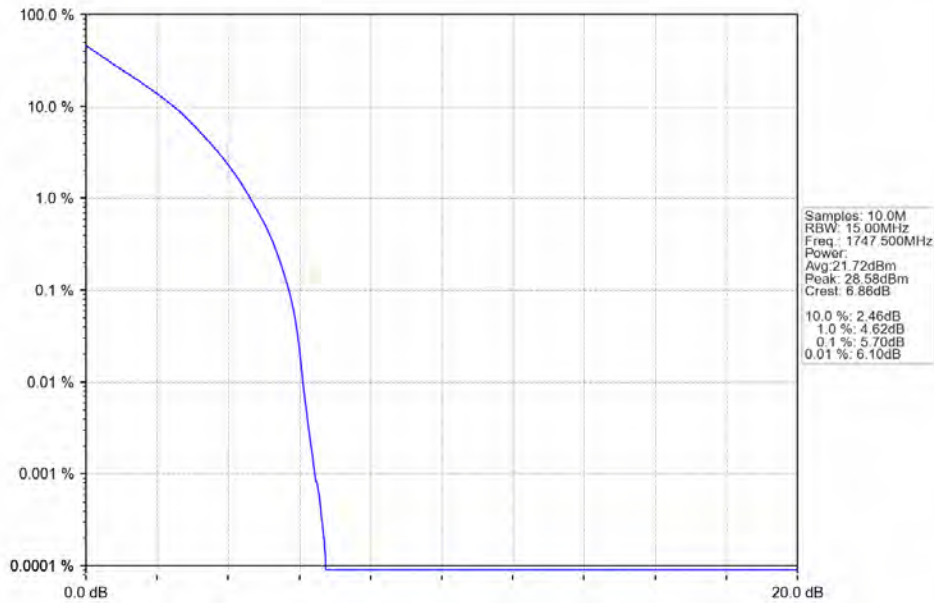
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



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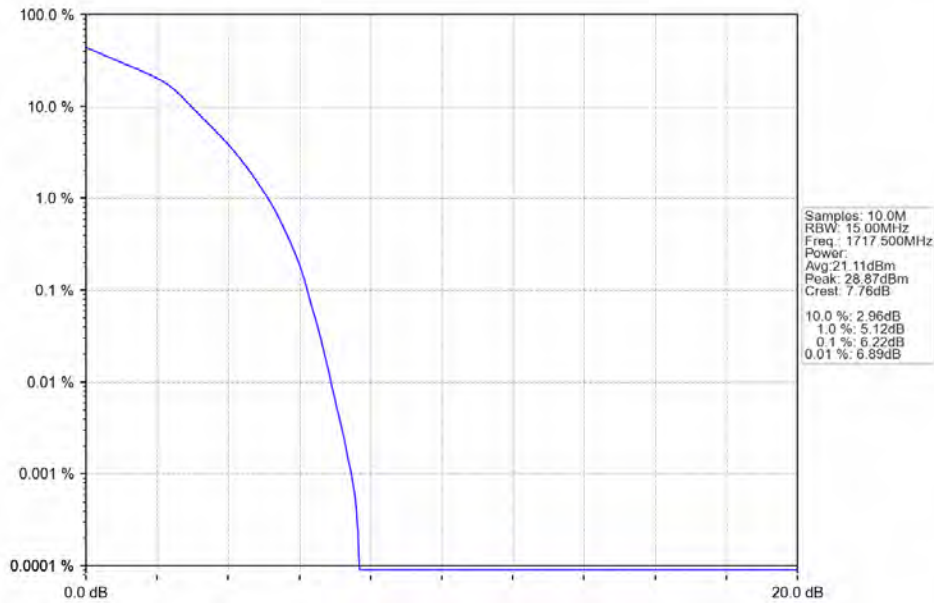
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Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



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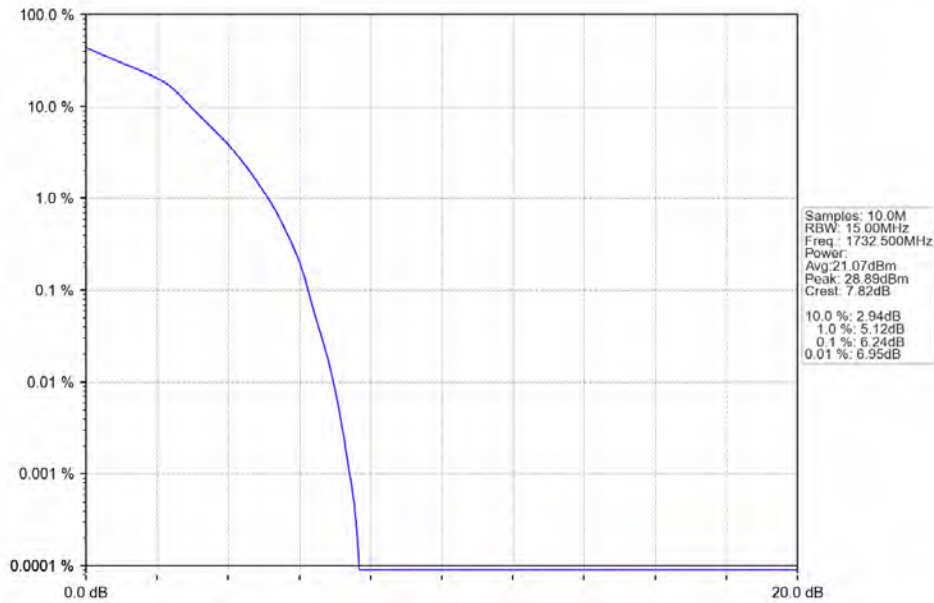
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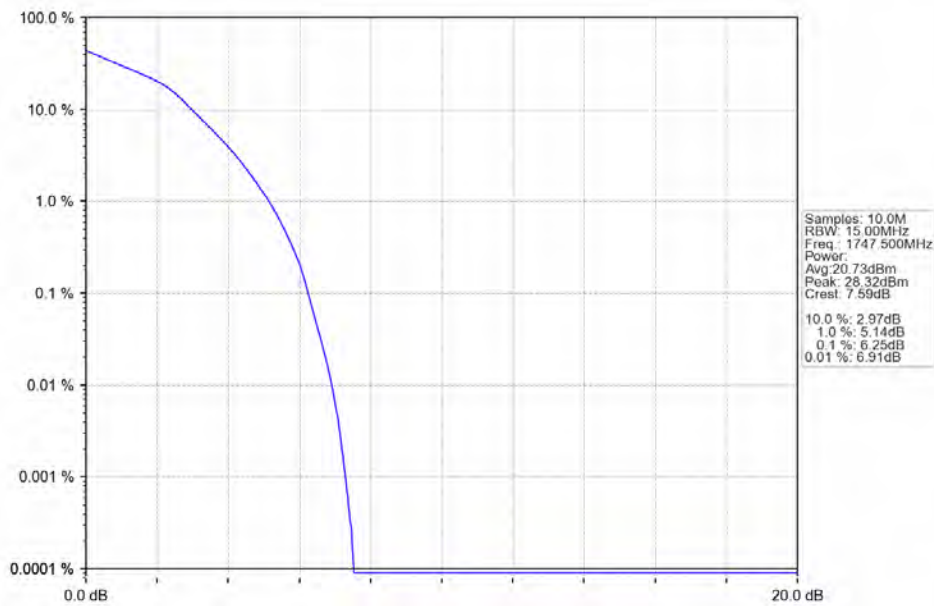
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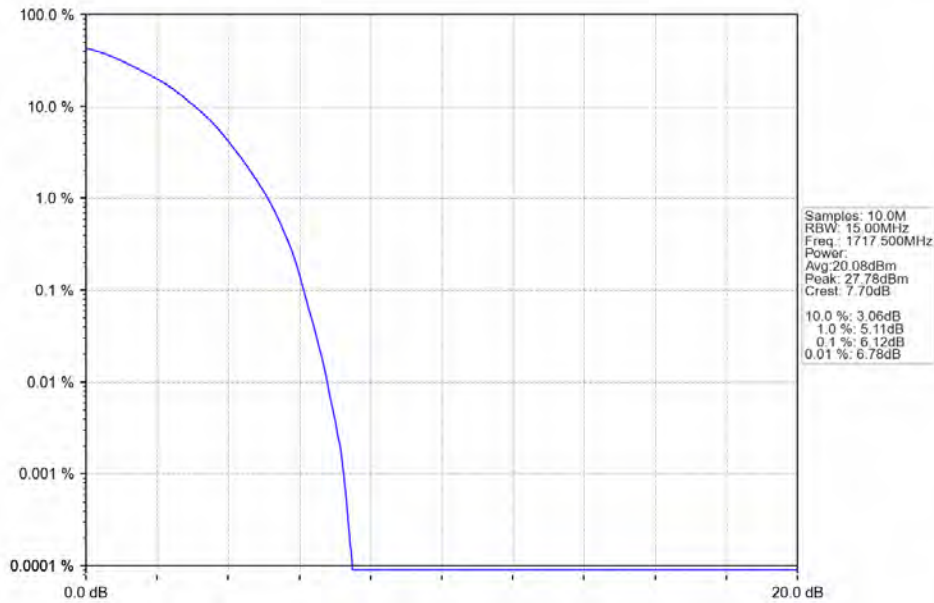
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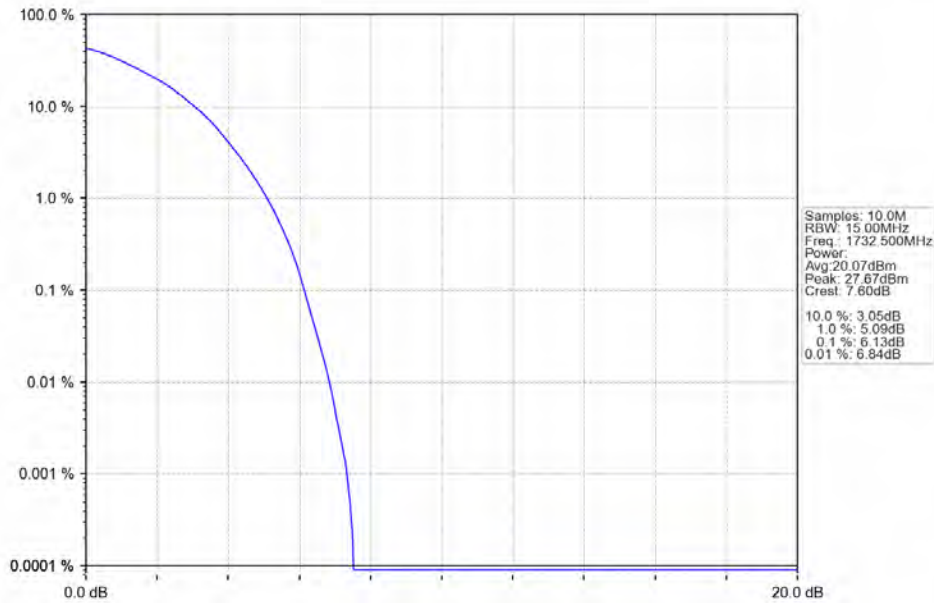
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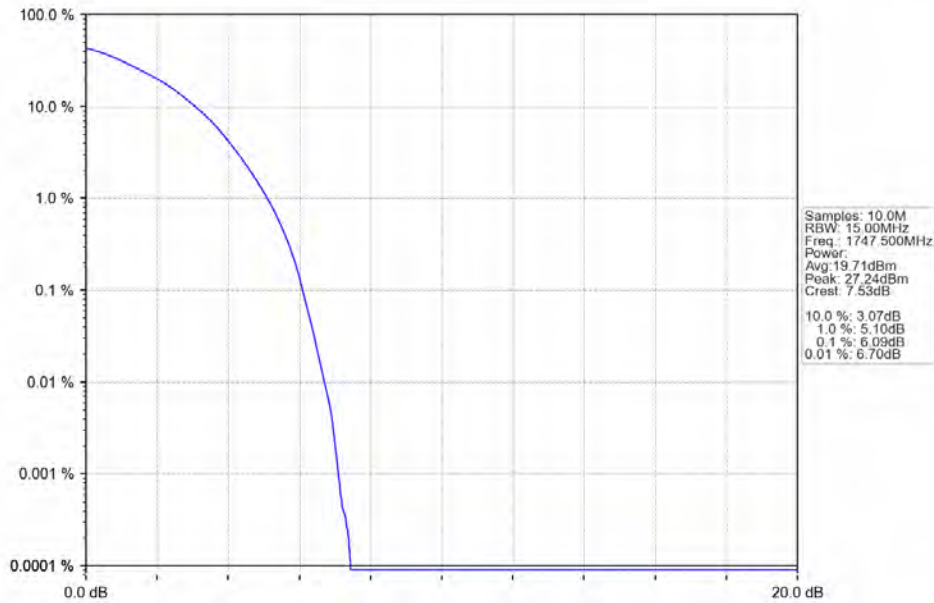
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4.6 B4_20MHz

4.6.1 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	5.41	<=13	Pass
	1732.5	100	0	5.41	<=13	Pass
	1745	100	0	5.49	<=13	Pass
16QAM	1720	100	0	6.16	<=13	Pass
	1732.5	100	0	6.16	<=13	Pass
	1745	100	0	6.19	<=13	Pass
64QAM	1720	100	0	6.14	<=13	Pass
	1732.5	100	0	6.15	<=13	Pass
	1745	100	0	6.09	<=13	Pass



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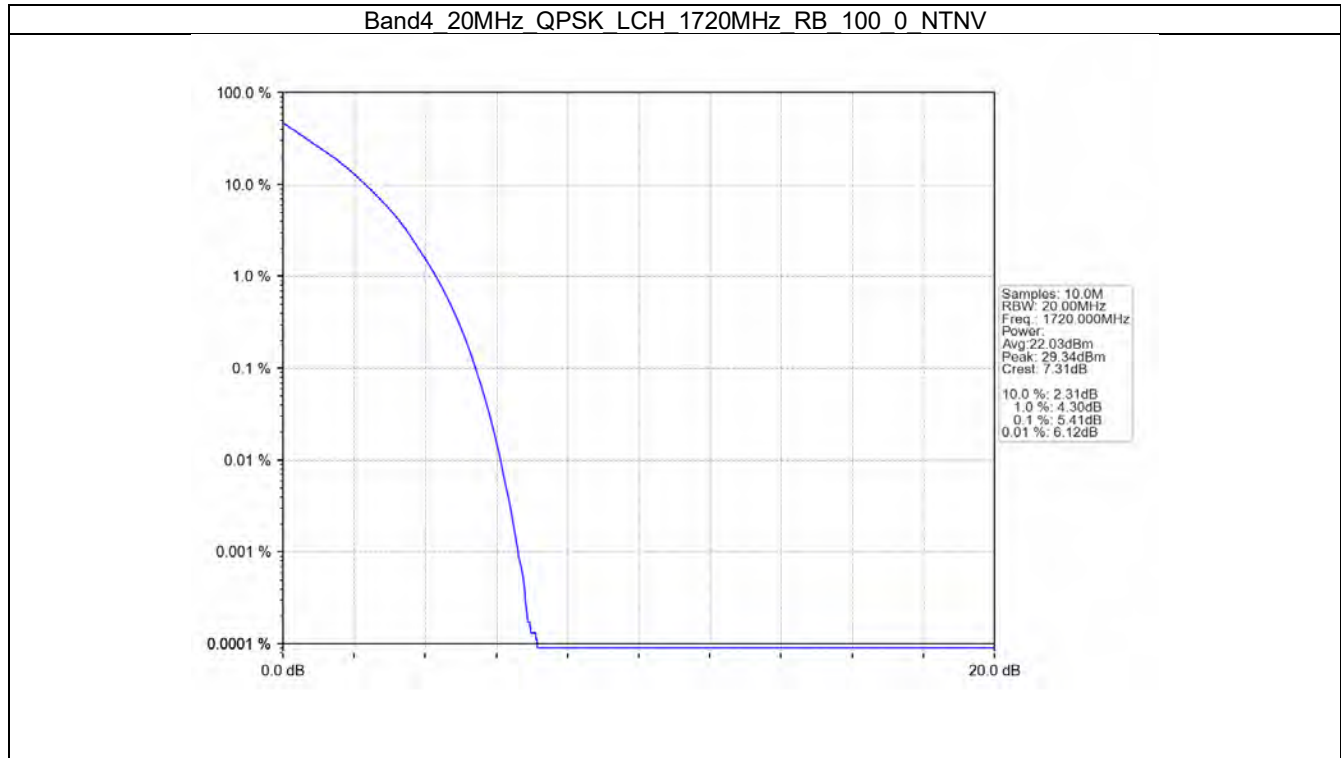
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4.6.2 Test Graph



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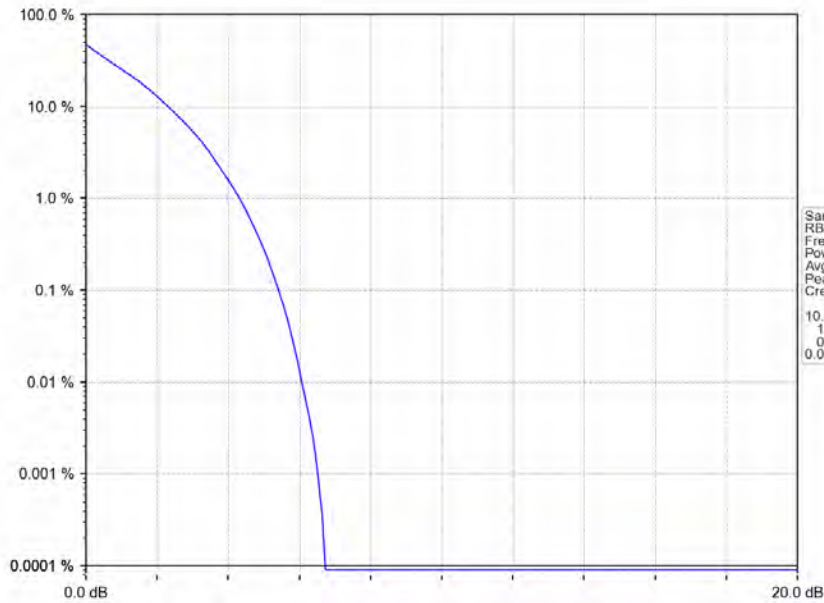
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Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 20.00MHz
Freq: 1732.500MHz
Power:
Avg: 21.96dBm
Peak: 28.81dBm
Crest: 6.85dB
10.0 %: 2.30dB
1.0 %: 4.31dB
0.1 %: 5.41dB
0.01 %: 6.07dB



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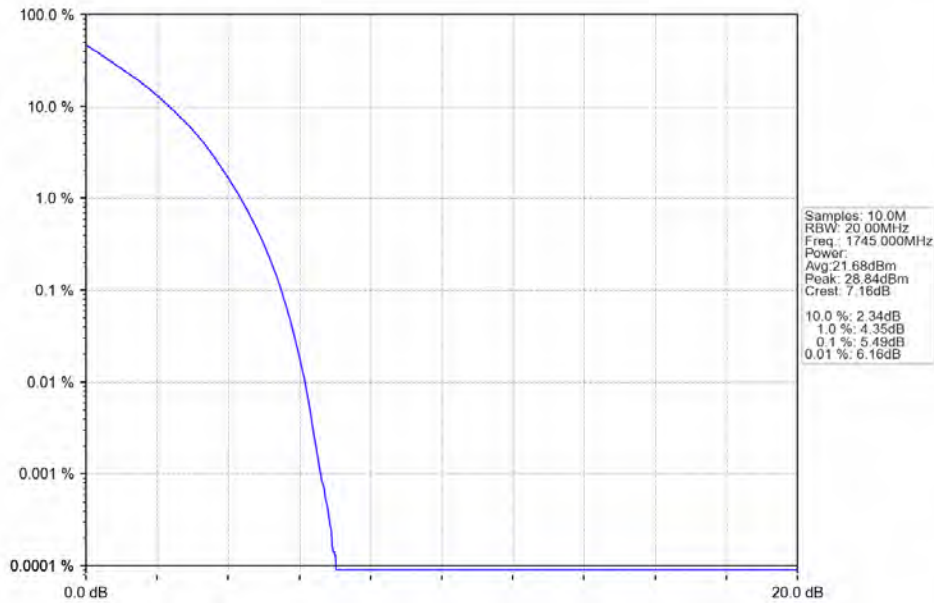
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Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



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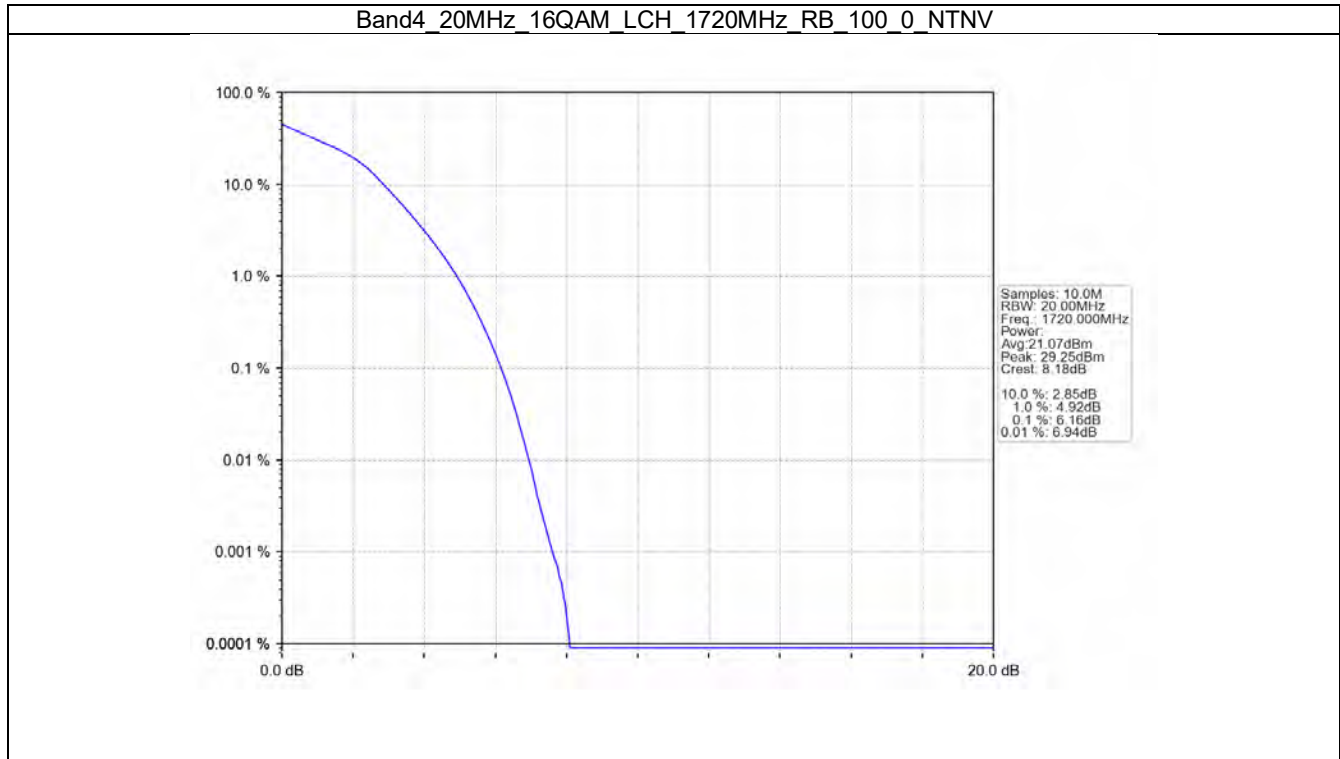


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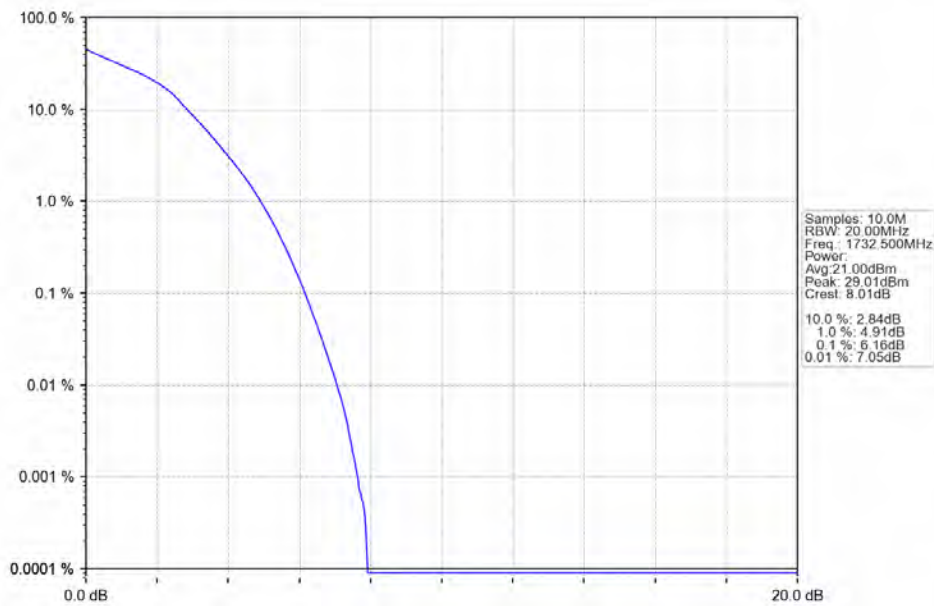
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Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



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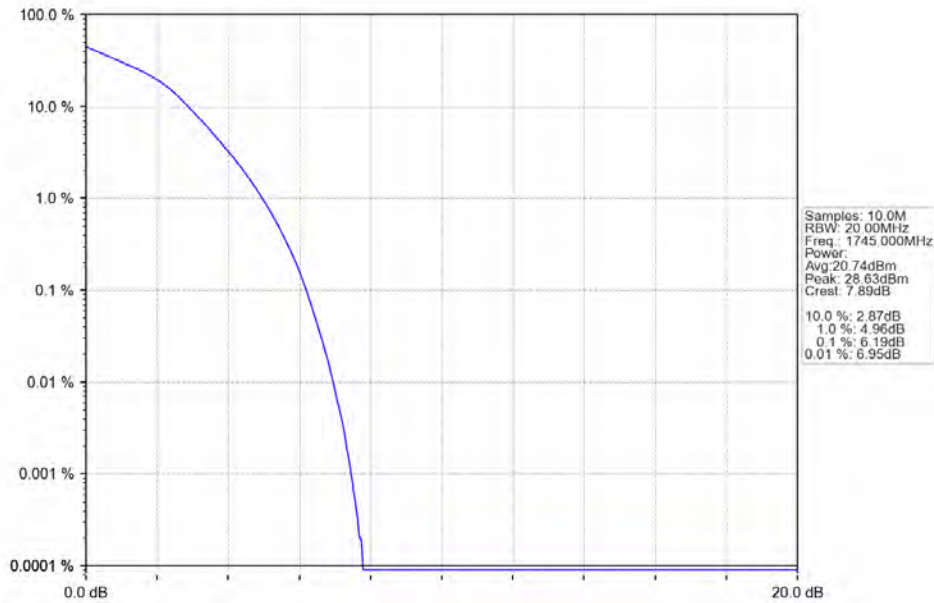
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Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



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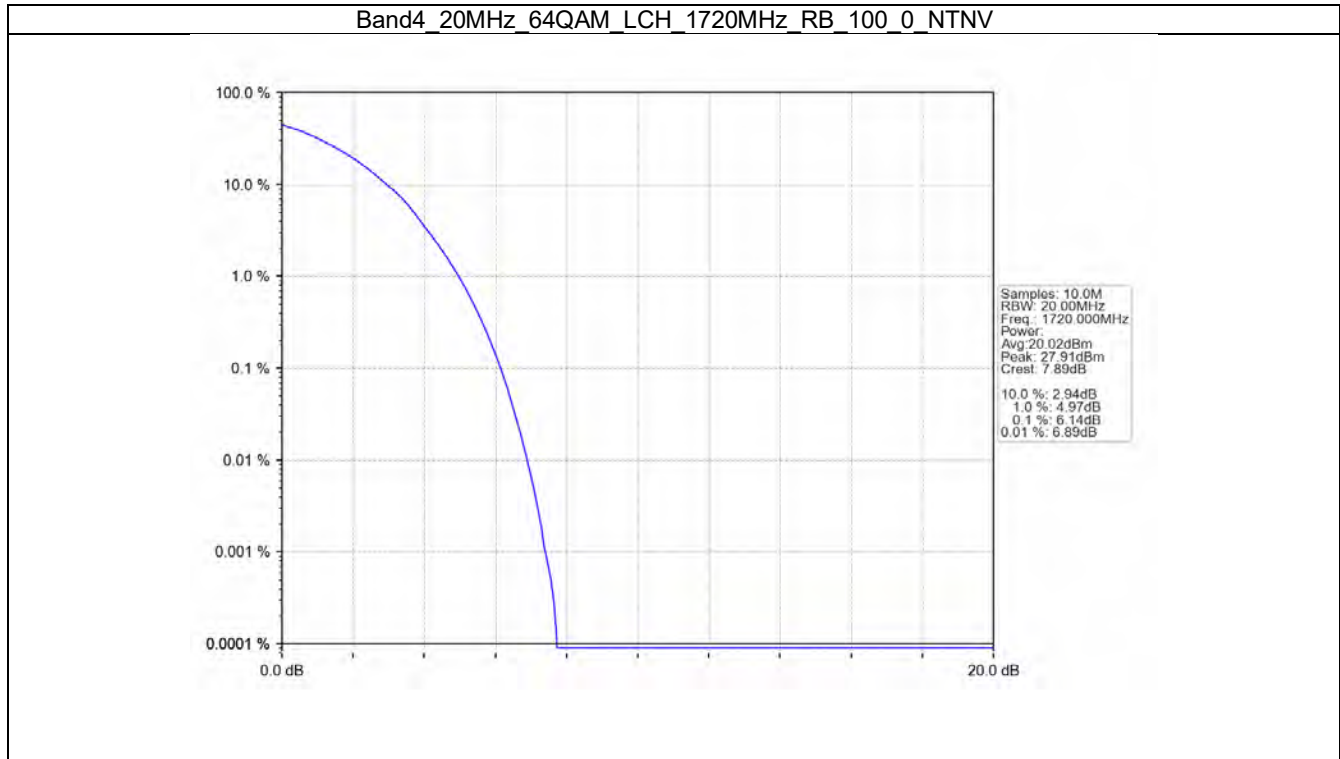


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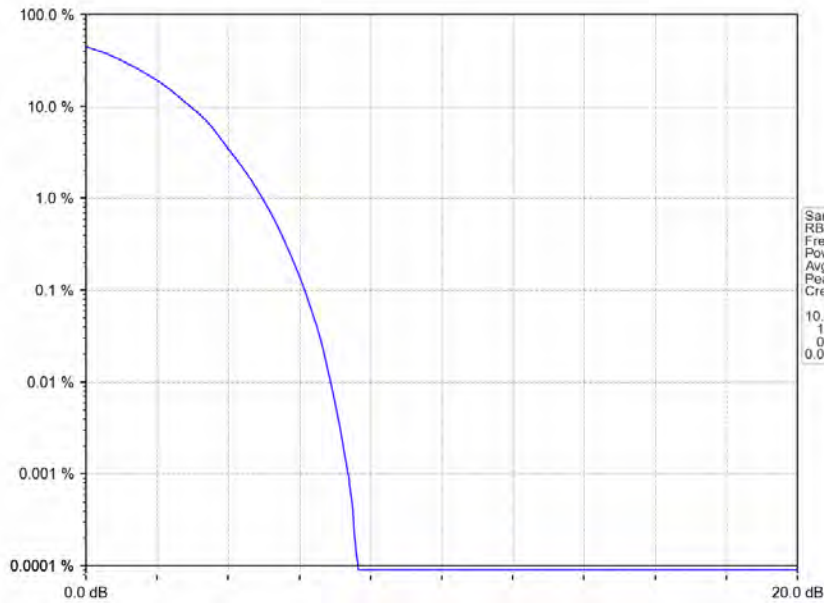
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Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 20.00MHz
Freq: 1732.500MHz
Power:
Avg: 19.96dBm
Peak: 27.74dBm
Crest: 7.78dB
10.0 %: 2.93dB
1.0 %: 4.96dB
0.1 %: 6.15dB
0.01 %: 6.88dB



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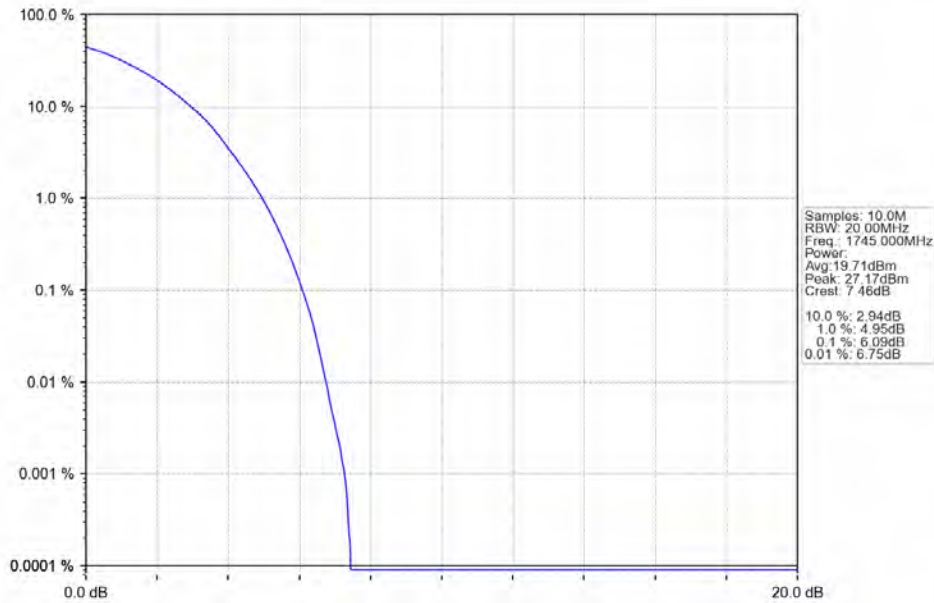
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Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV



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5. Spurious Emission & Band Edges

5.1 B4_1.4MHz

5.1.1 Test Result

Band: 4 / 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
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1754.3	1	0	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
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1754.3	1	0	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
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass



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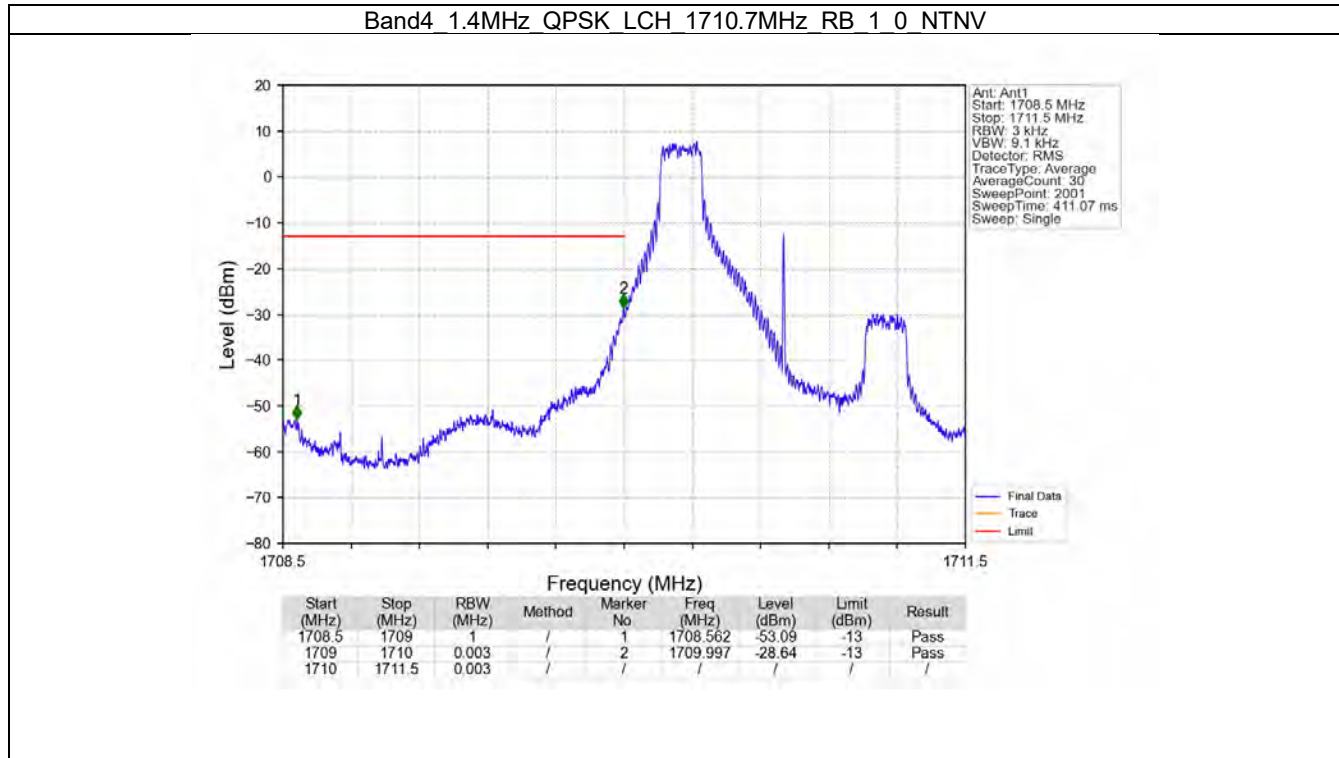
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5.1.2 Test Graph



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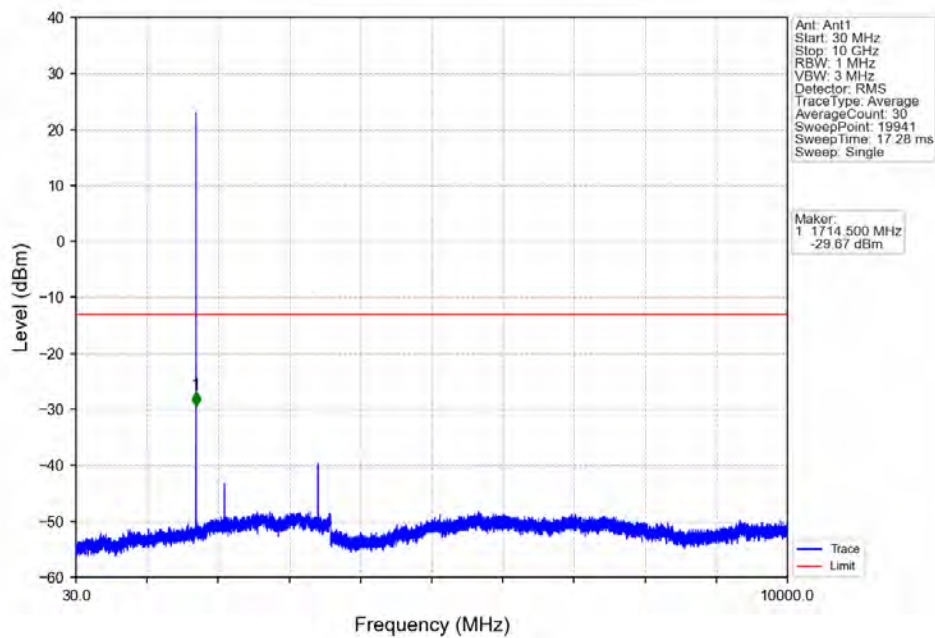
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Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



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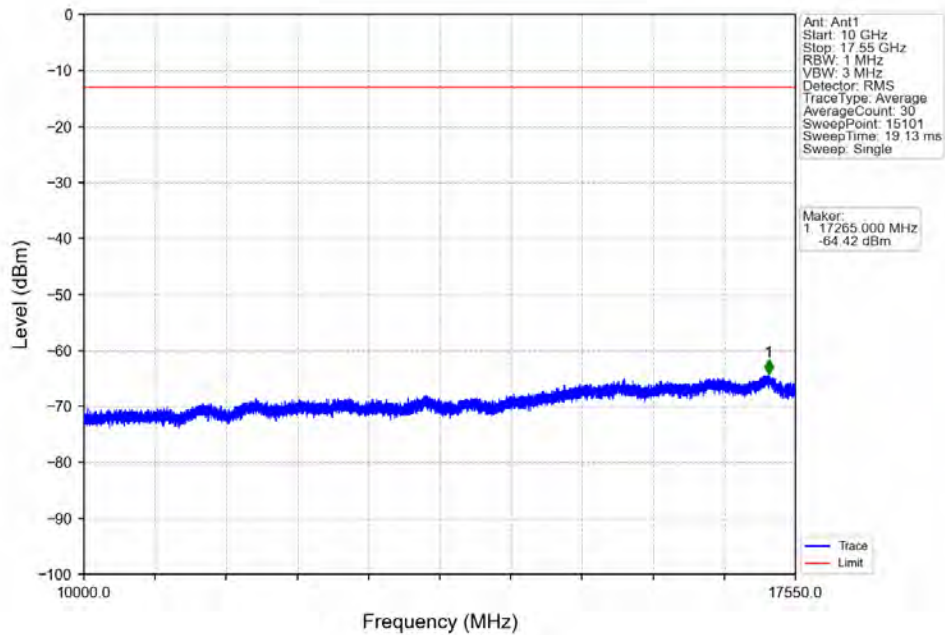
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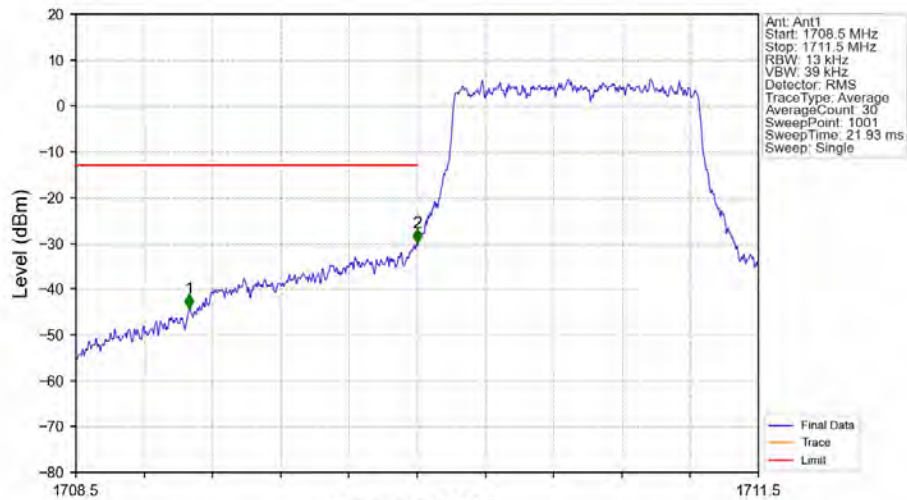
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Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.998	-44.25	-13	Pass
1709	1710	0.013	/	2	1710.000	-29.97	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/



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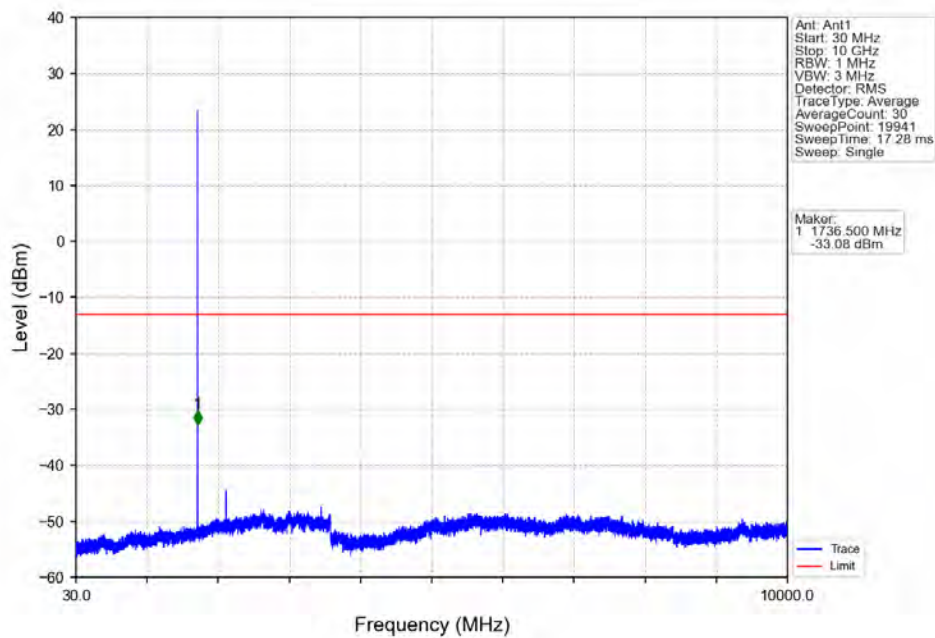
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Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



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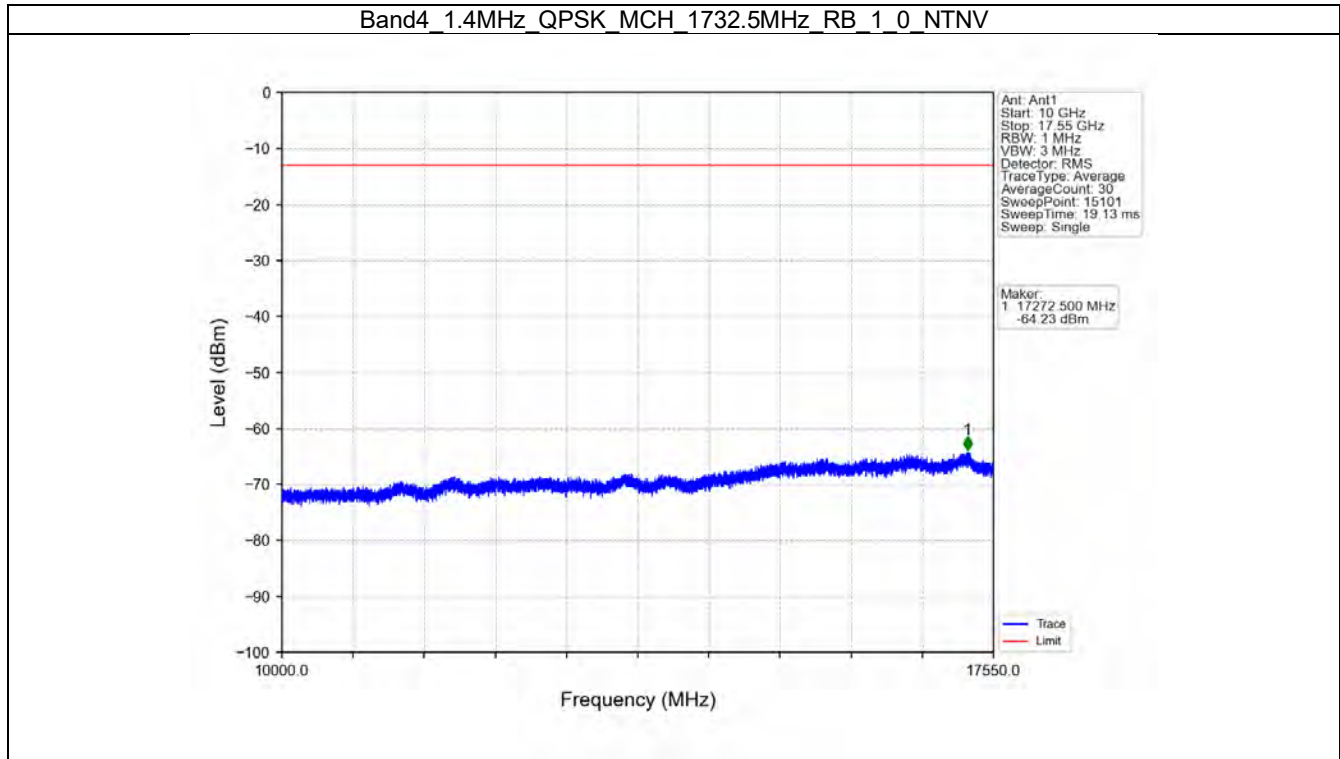


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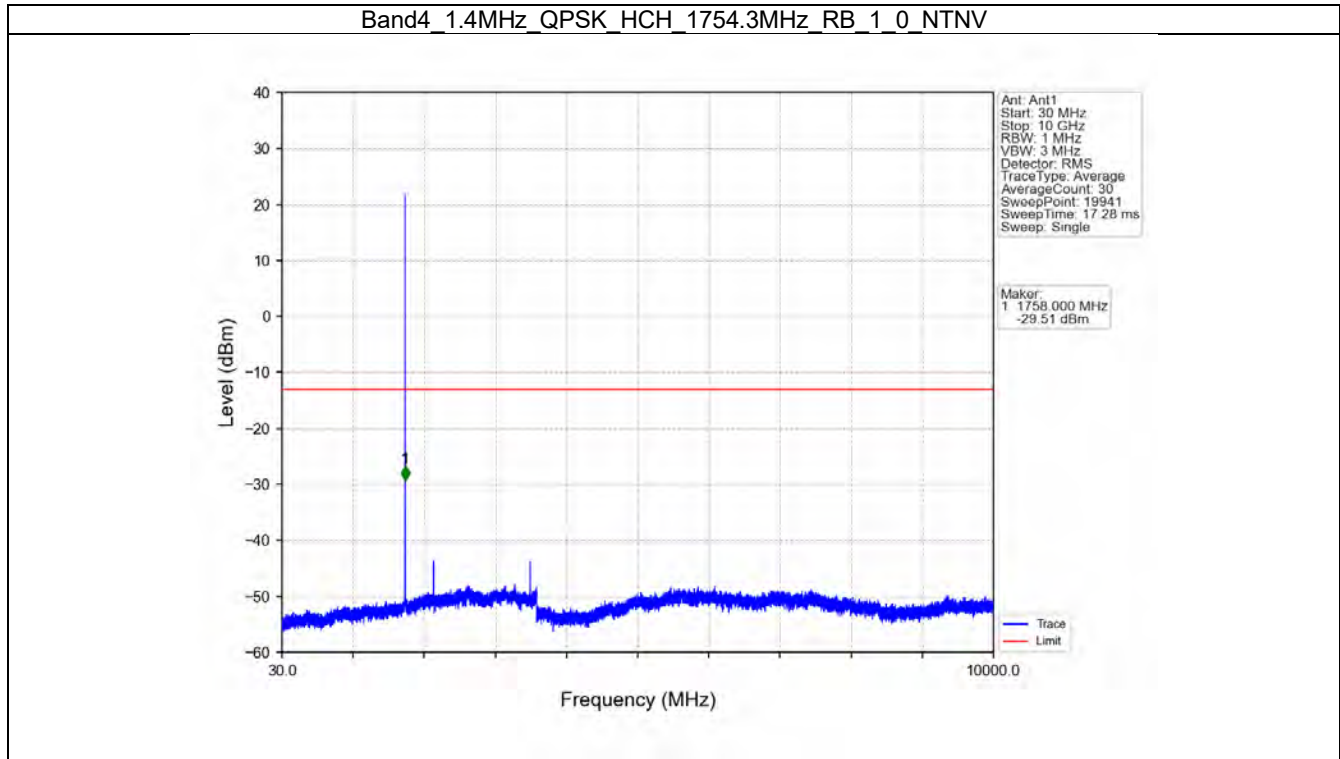


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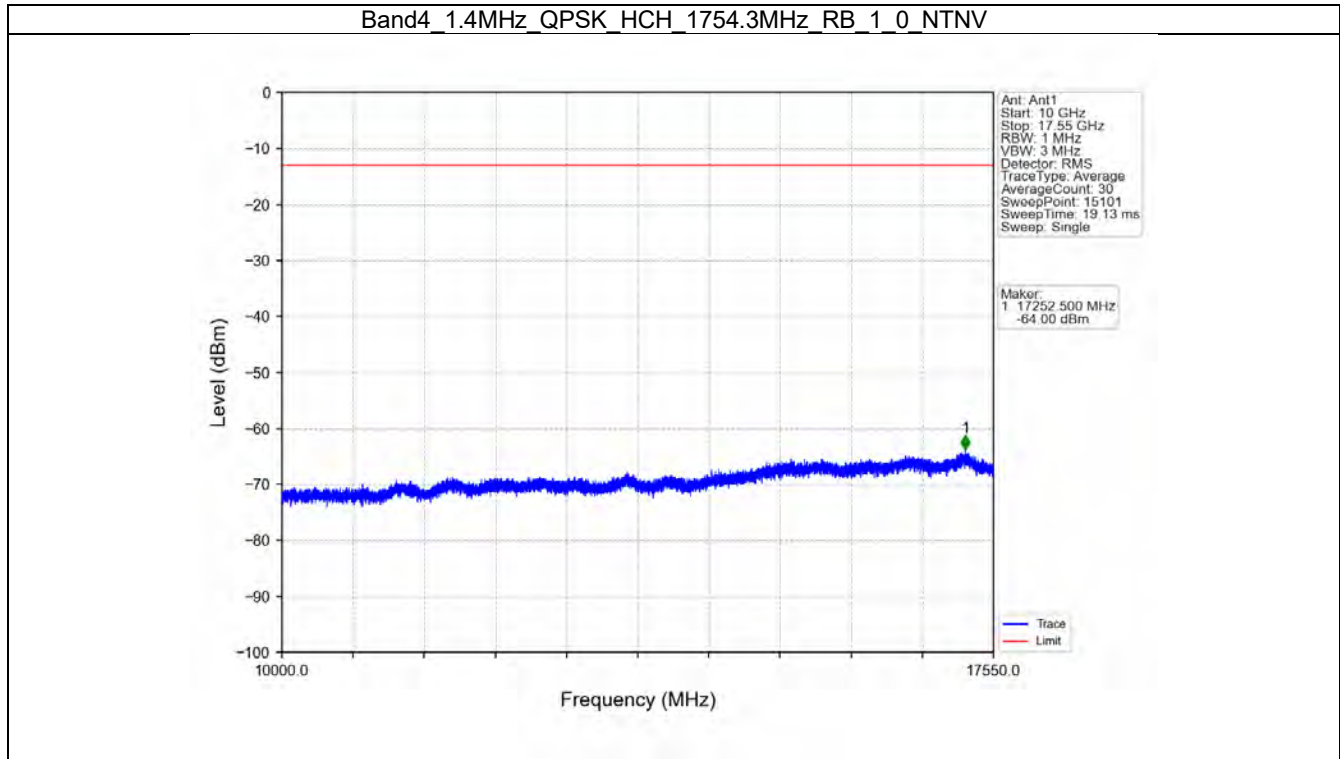


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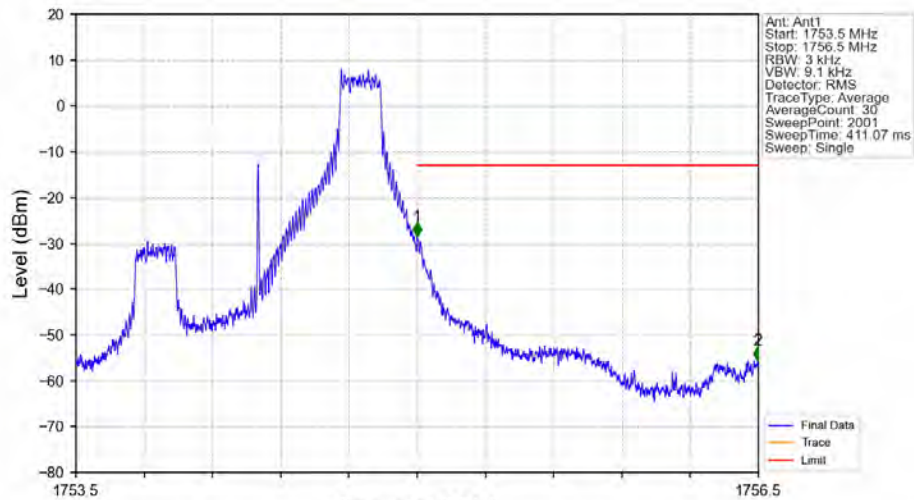
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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-28.54	-13	Pass
1756	1756.5	1	/	2	1756.497	-55.59	-13	Pass



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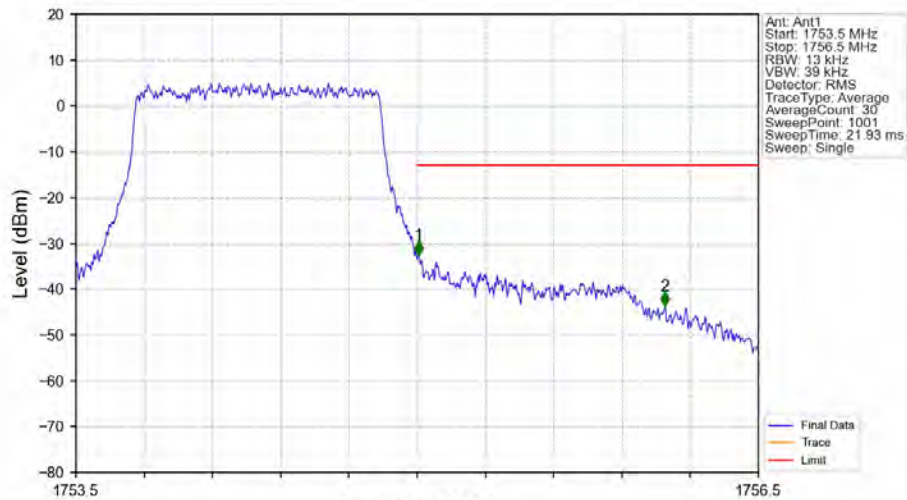
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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	/	/	/	/	/
1755	1756	0.013	/	1	1755.006	-32.63	-13	Pass
1756	1756.5	1	/	2	1756.089	-43.69	-13	Pass



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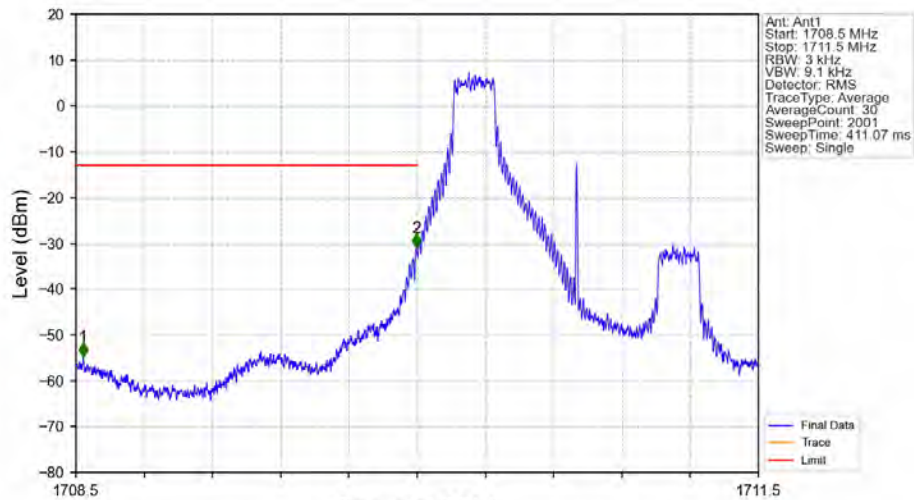
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Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.532	-54.85	-13	Pass
1709	1710	0.003	/	2	1709.995	-30.97	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/



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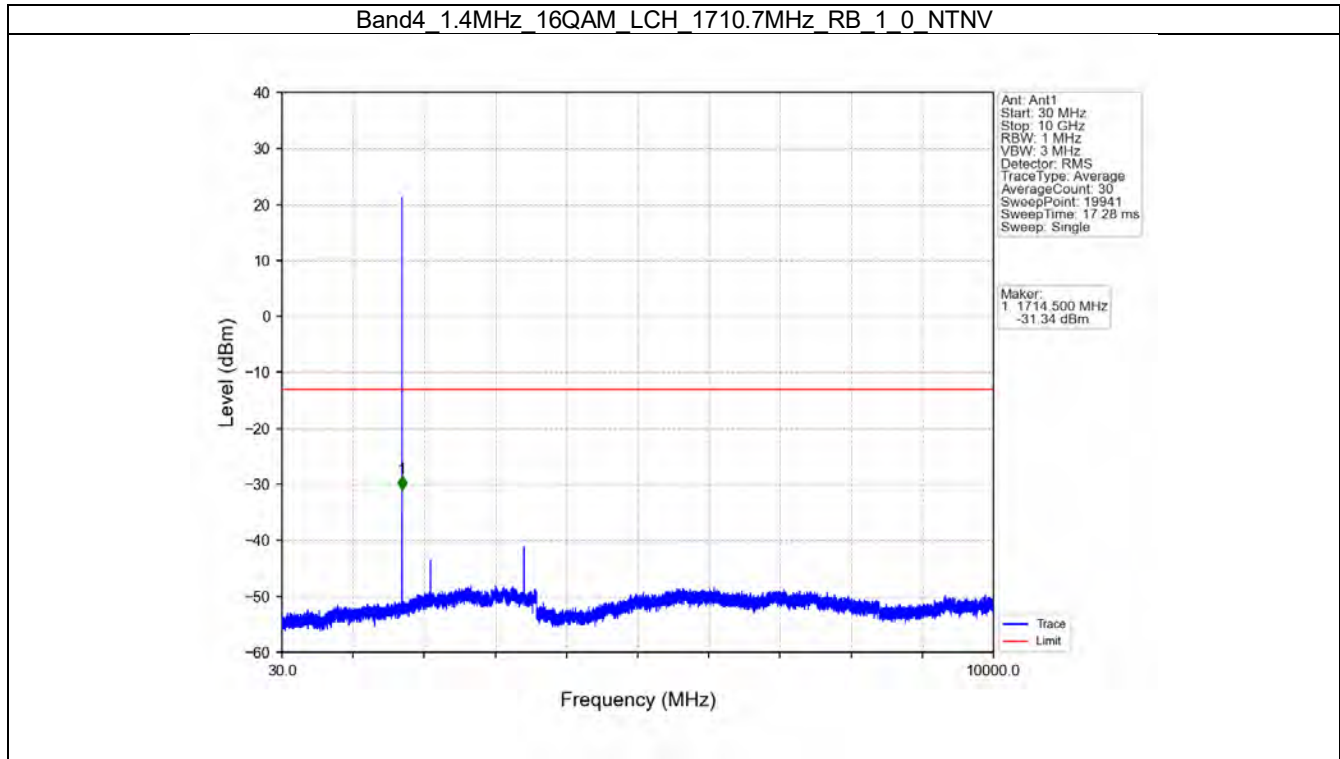


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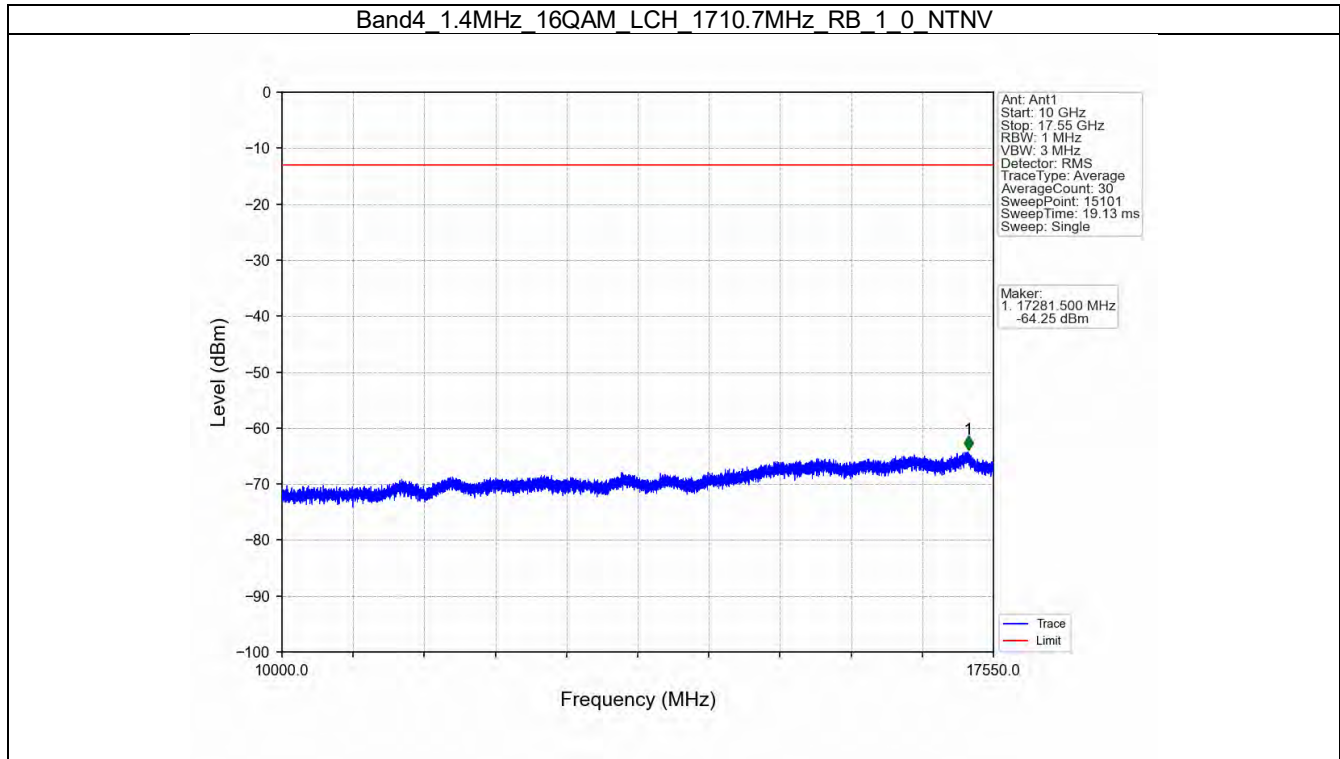


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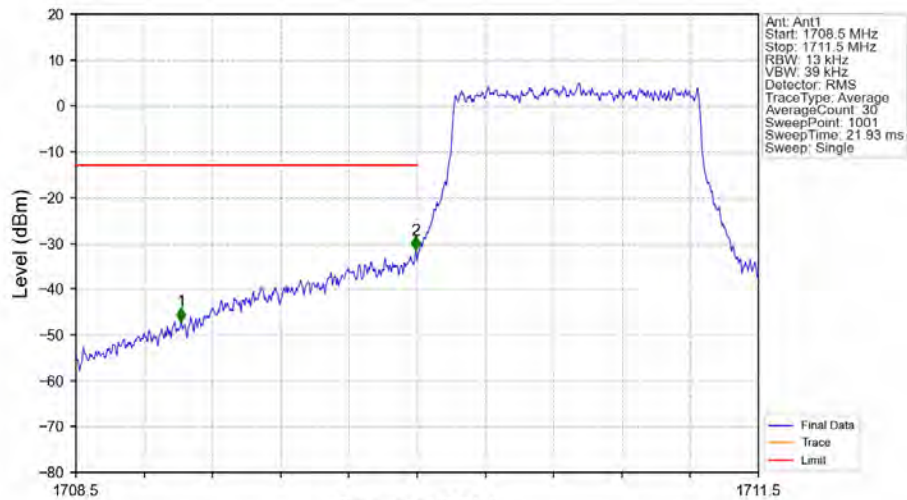
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Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.962	-47.11	-13	Pass
1709	1710	0.013	/	2	1709.994	-31.53	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/



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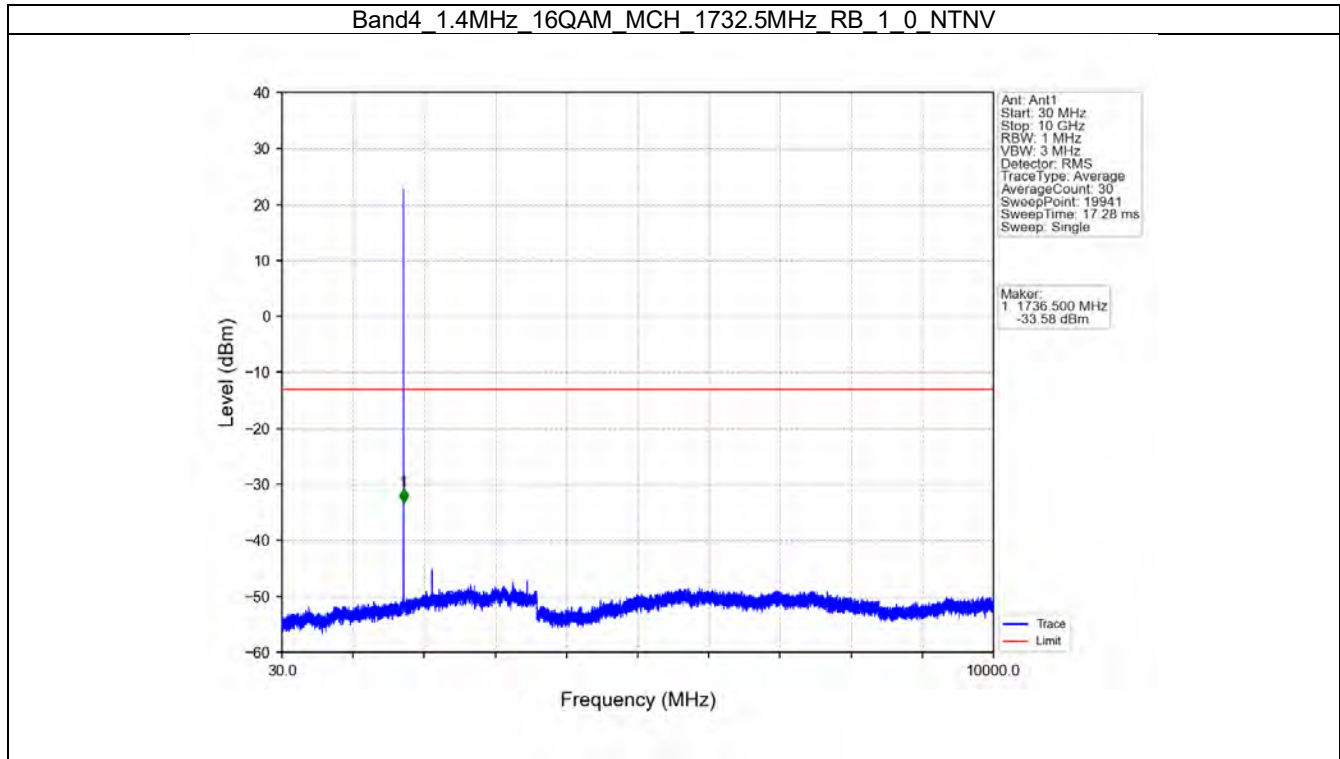


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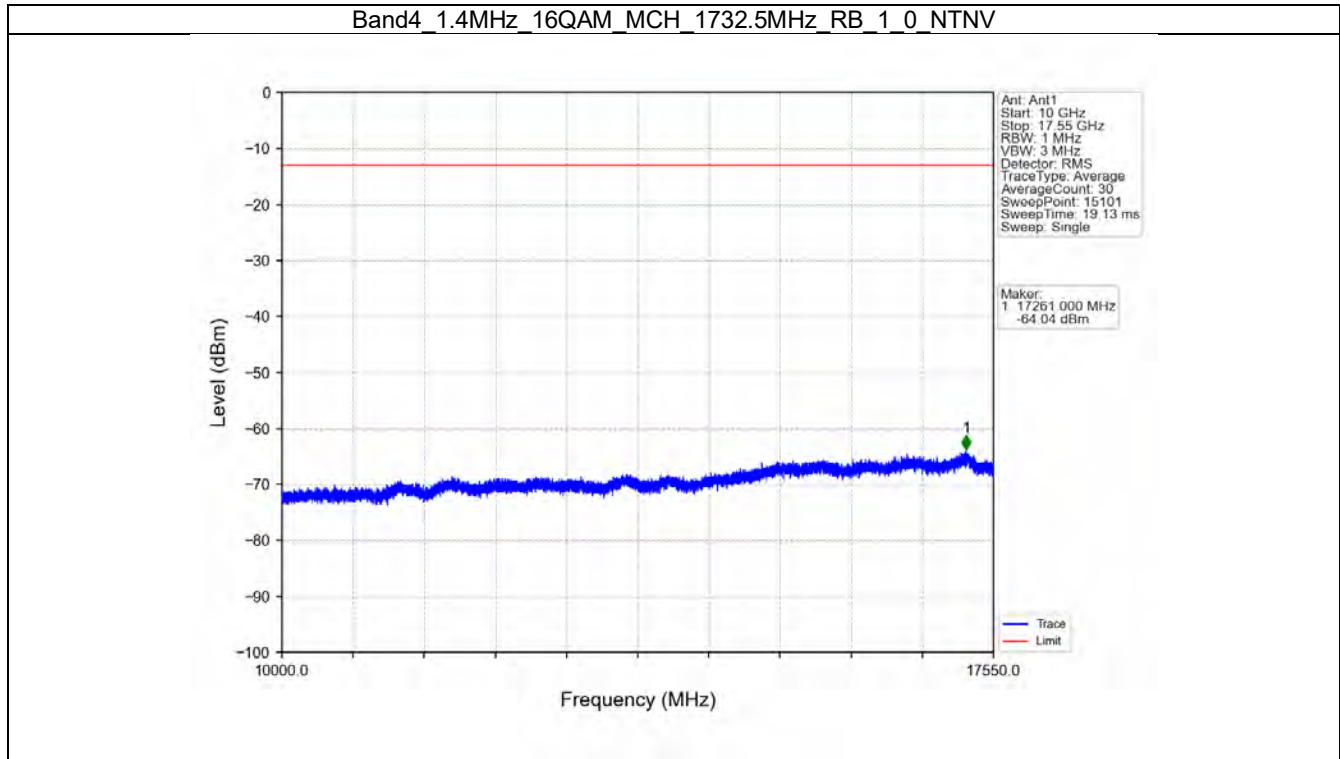


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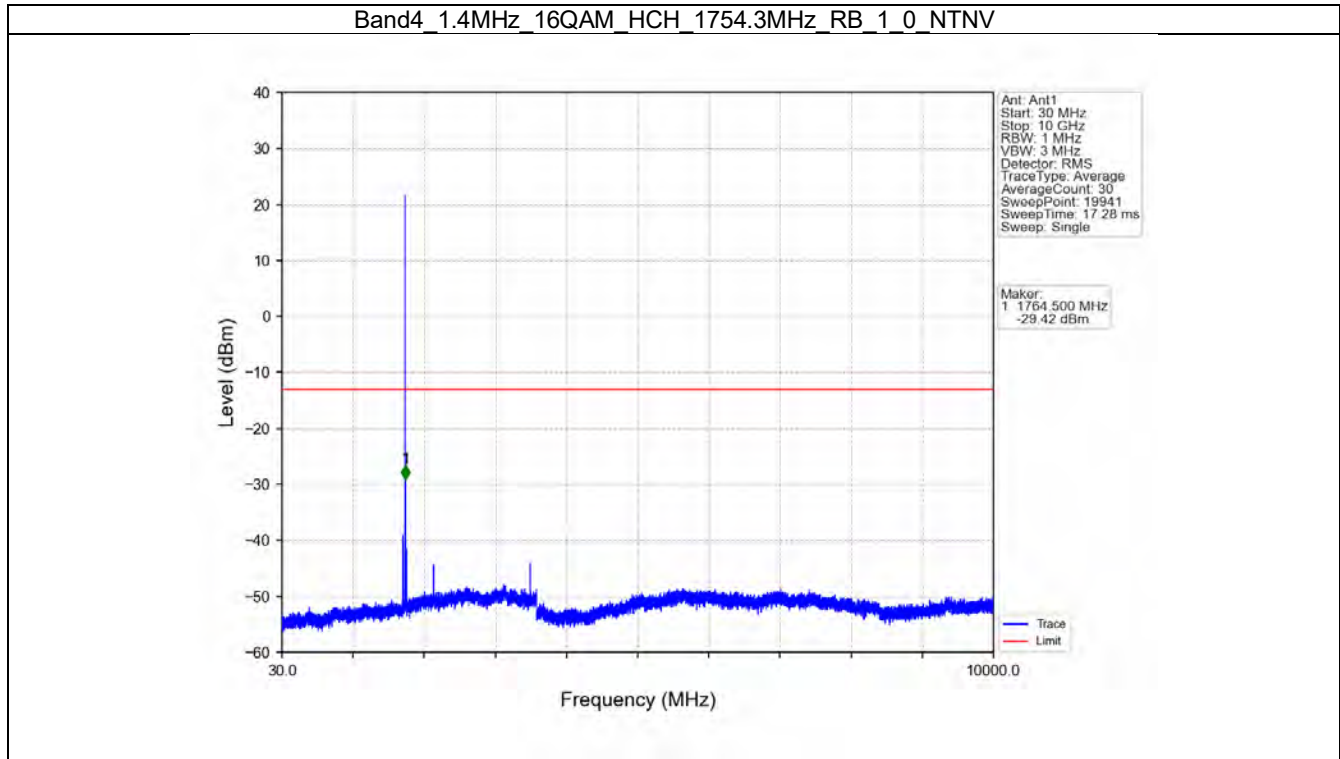


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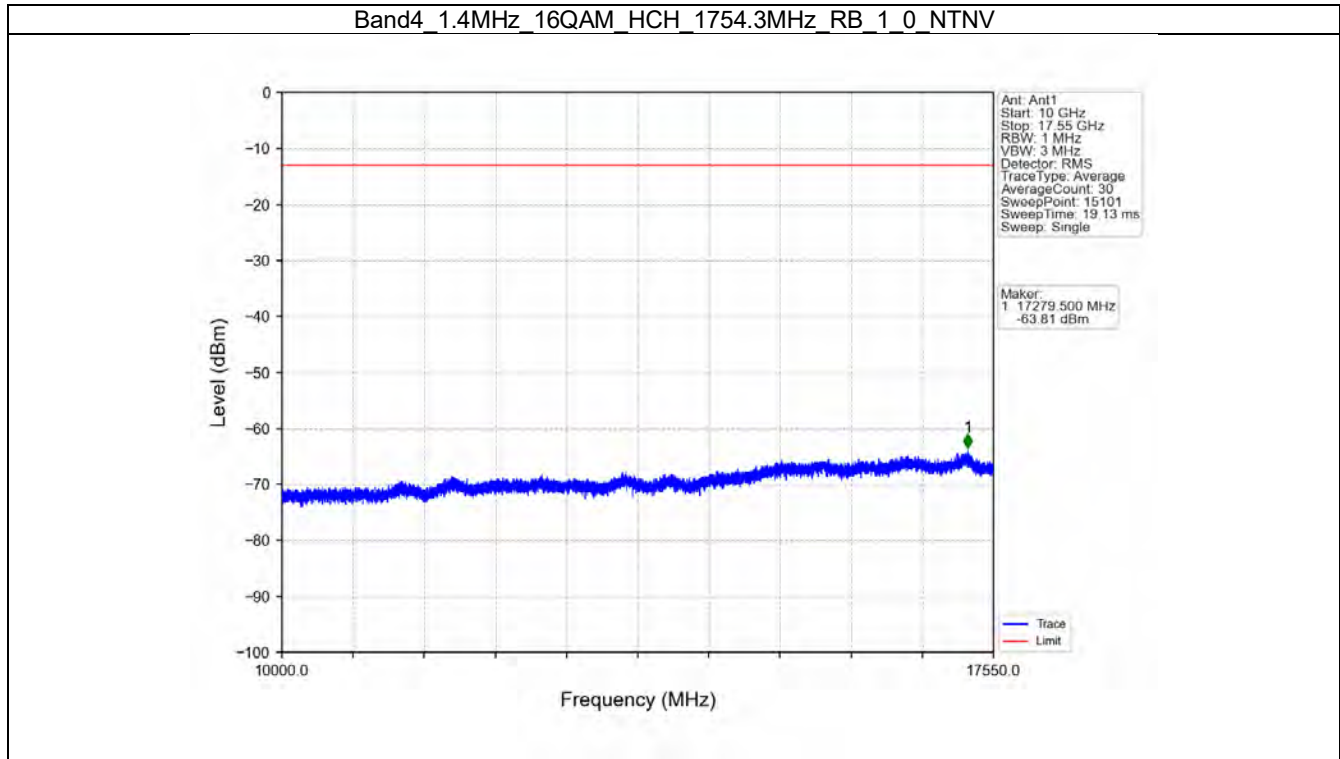


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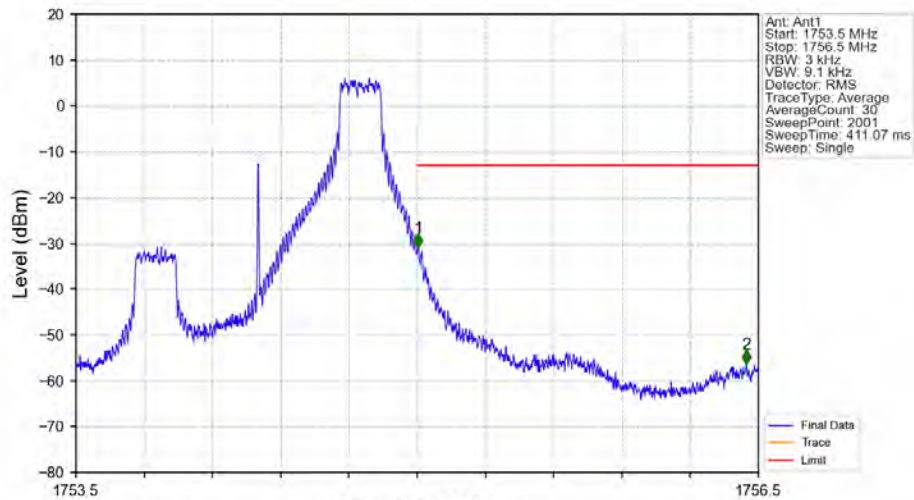
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Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.005	-31.00	-13	Pass
1756	1756.5	1	/	2	1756.446	-56.37	-13	Pass



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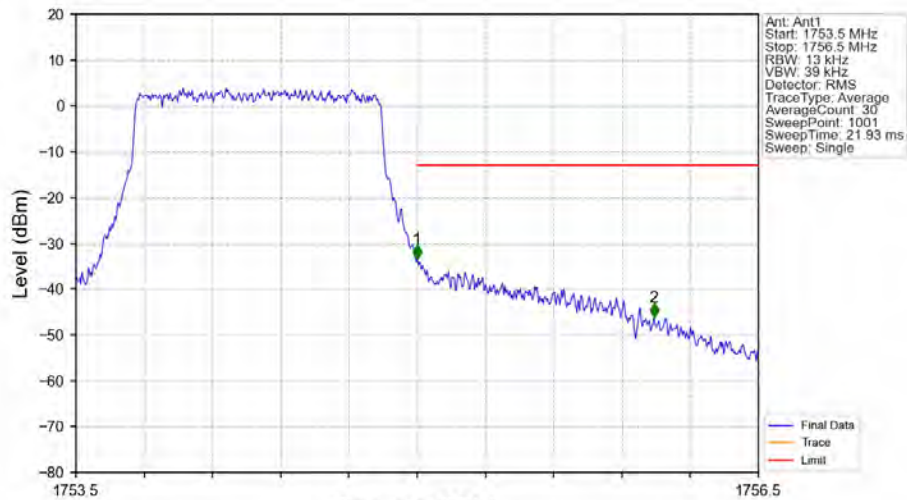
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Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	/	/	/	/	/
1755	1756	0.013	/	1	1755.000	-33.49	-13	Pass
1756	1756.5	1	/	2	1756.041	-46.19	-13	Pass



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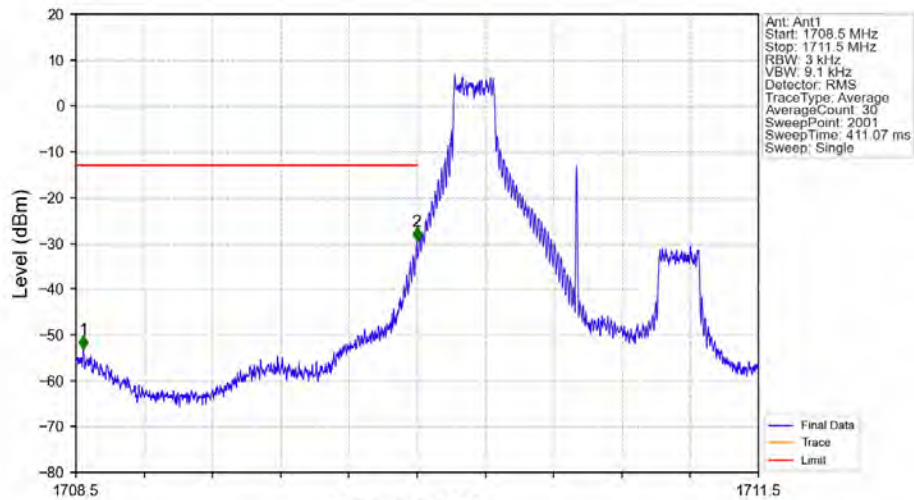
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Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.533	-53.19	-13	Pass
1709	1710	0.003	/	2	1709.998	-29.54	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/



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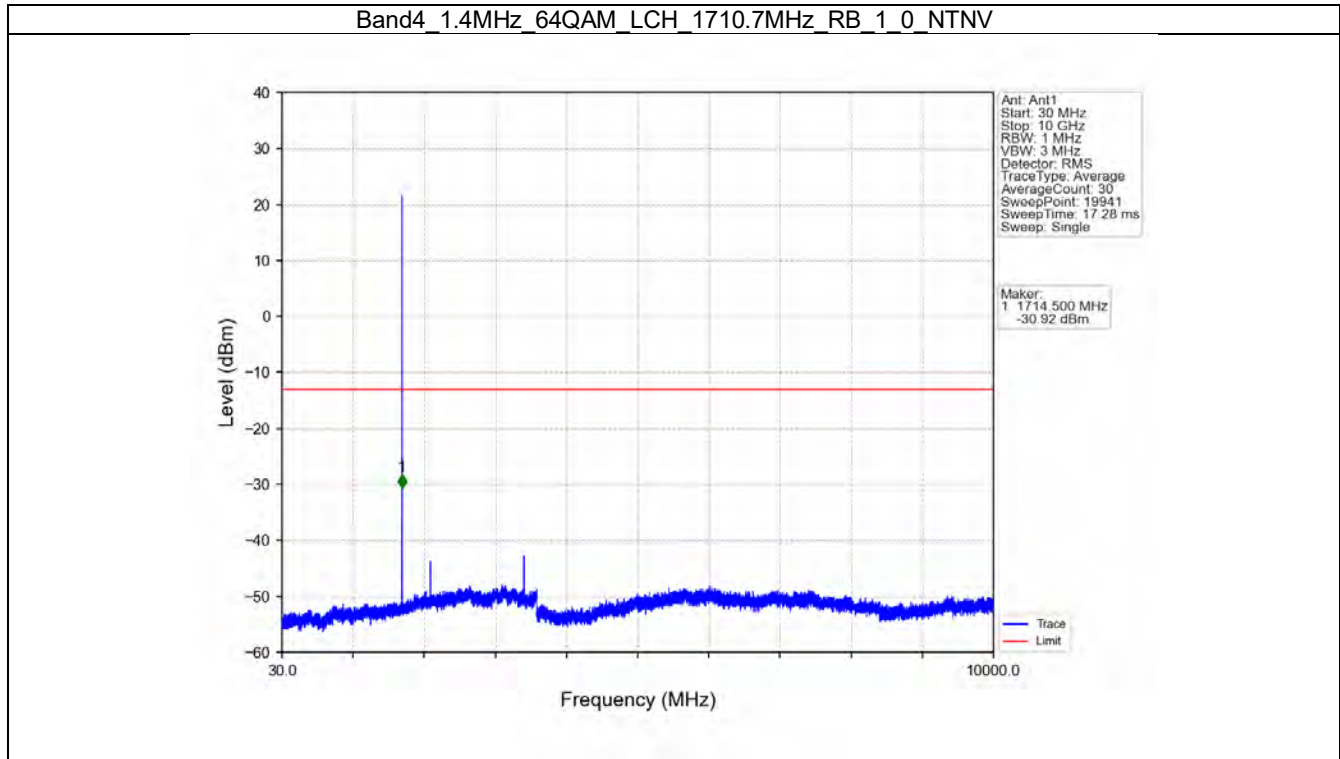


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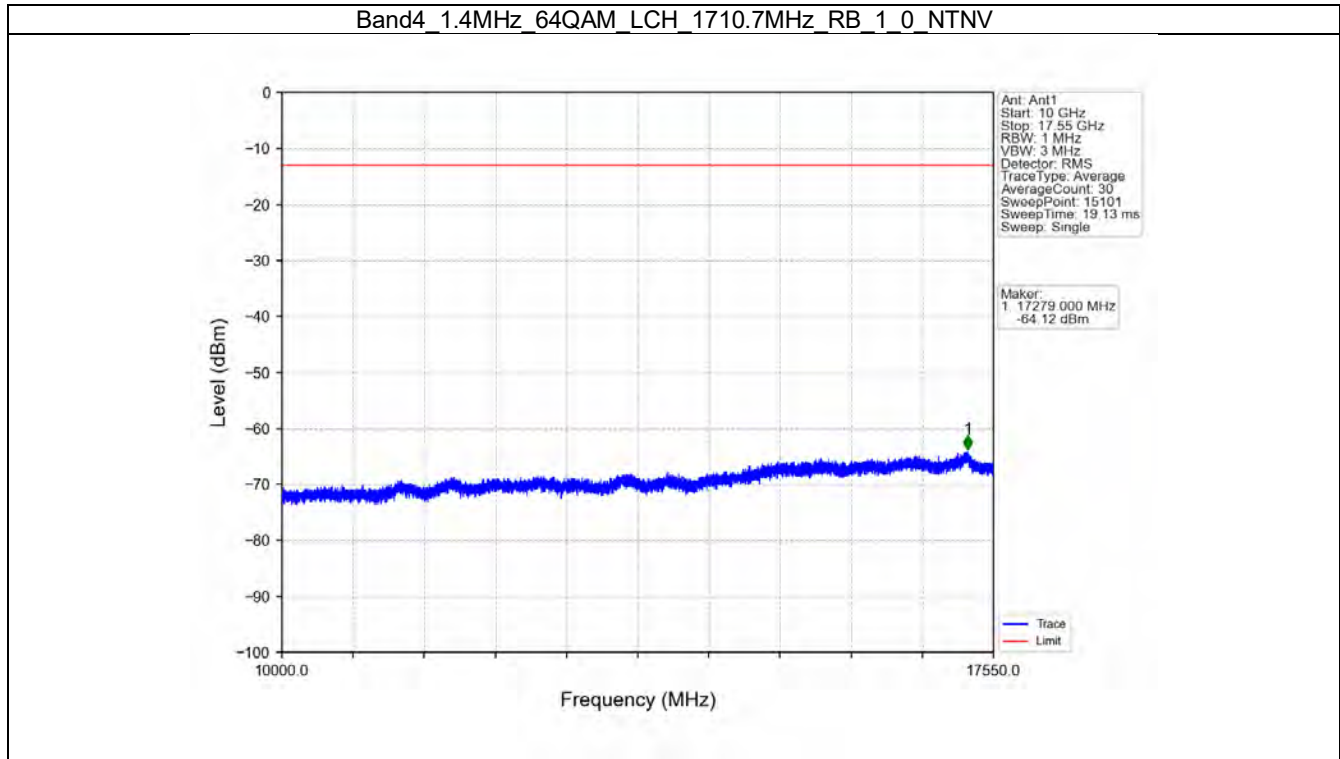


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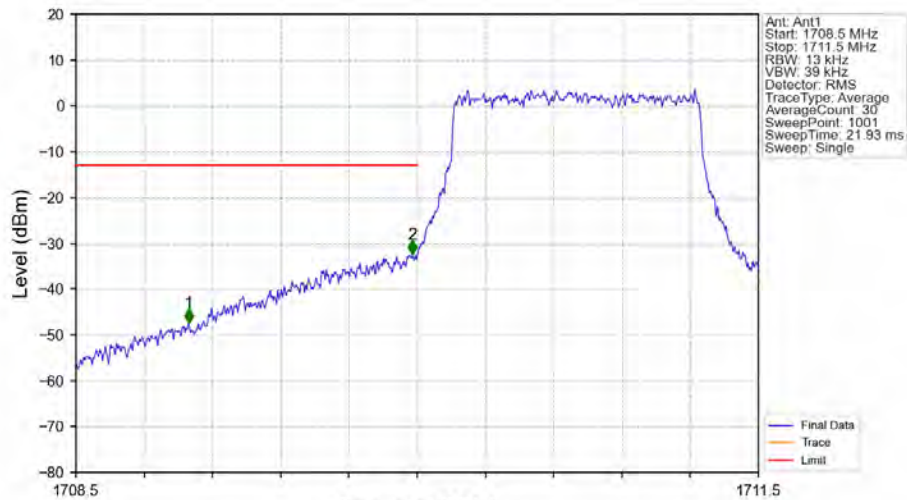
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Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.995	-47.43	-13	Pass
1709	1710	0.013	/	2	1709.979	-32.44	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/



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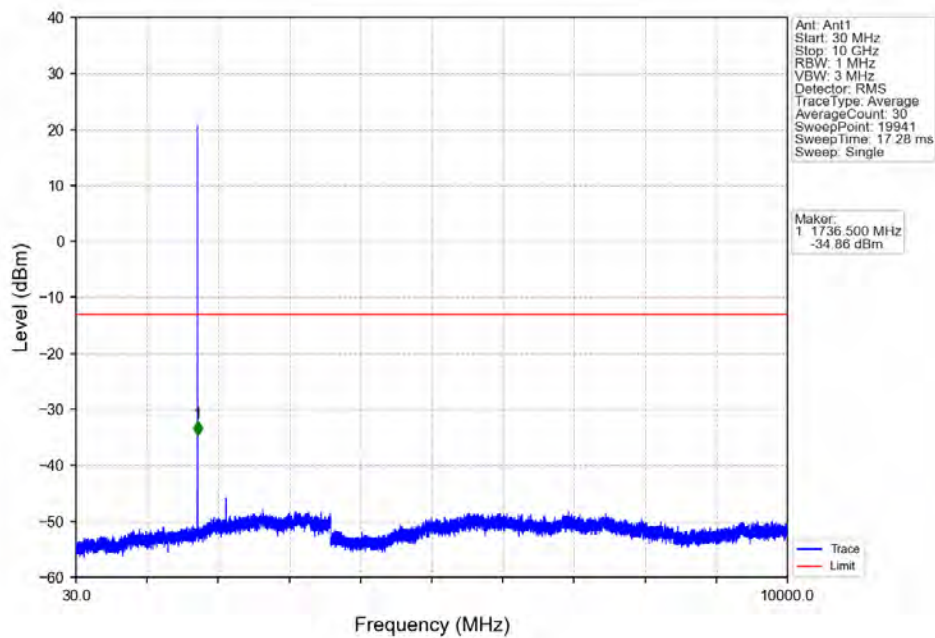
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Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



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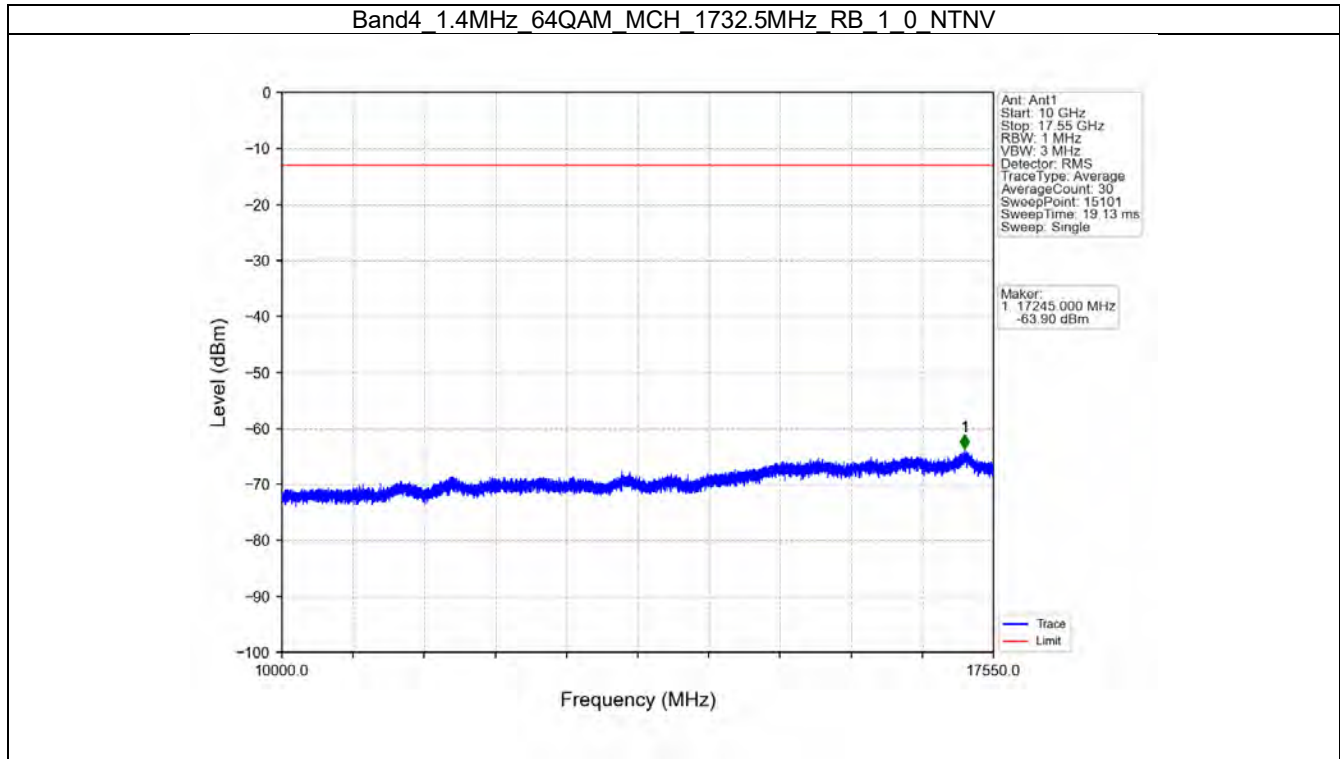


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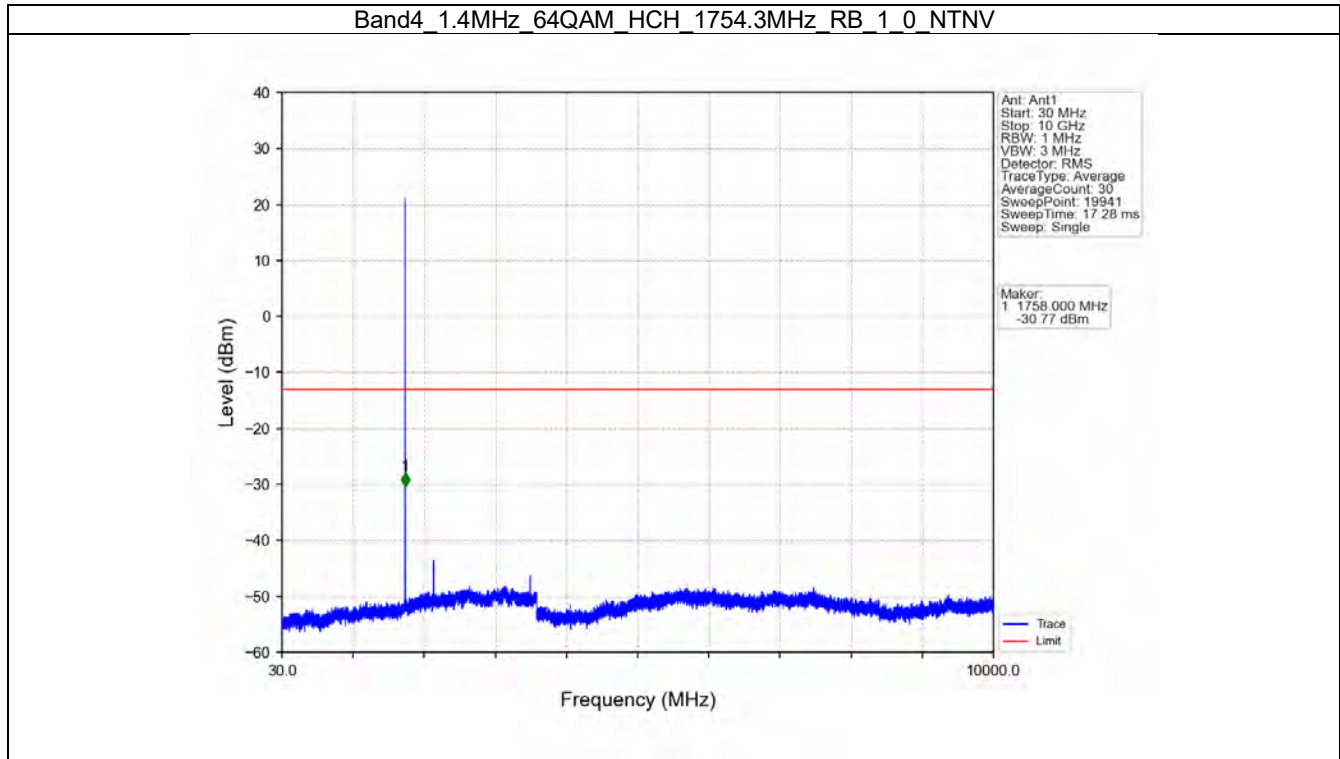


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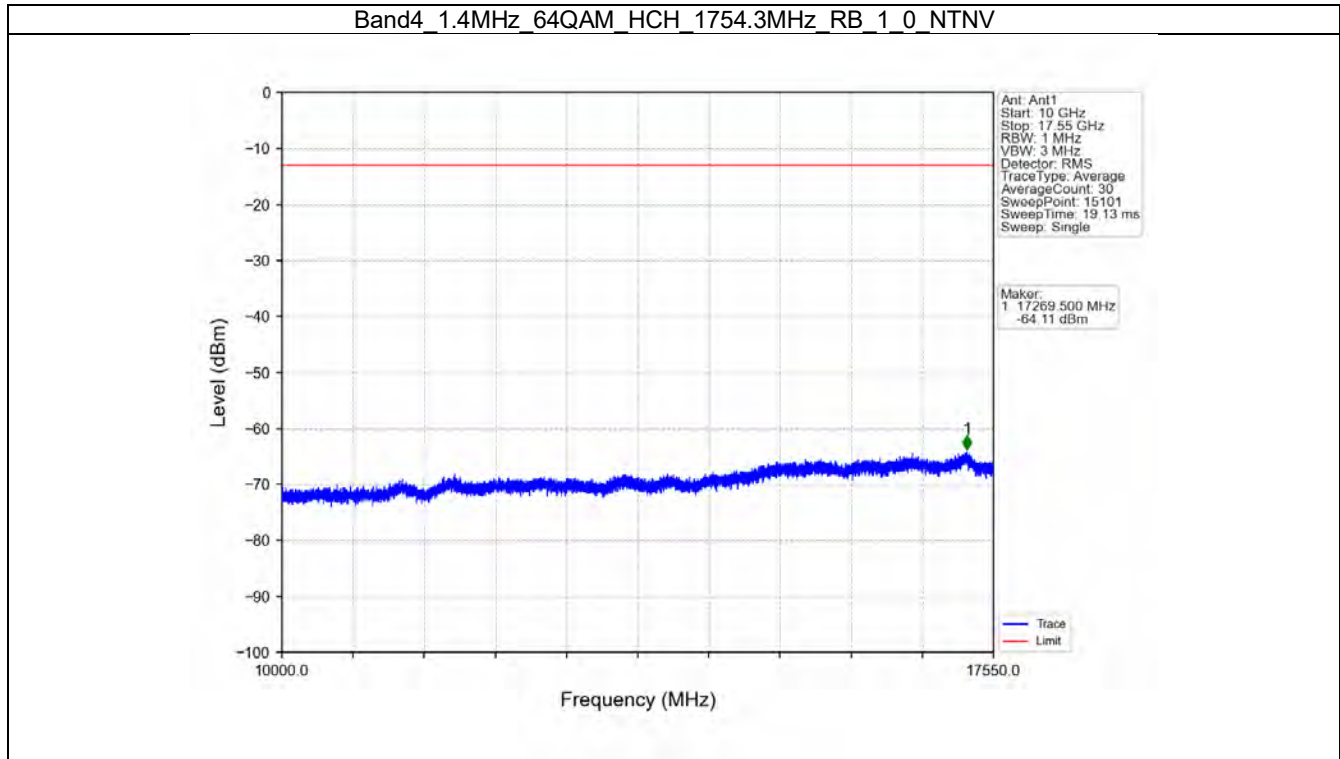


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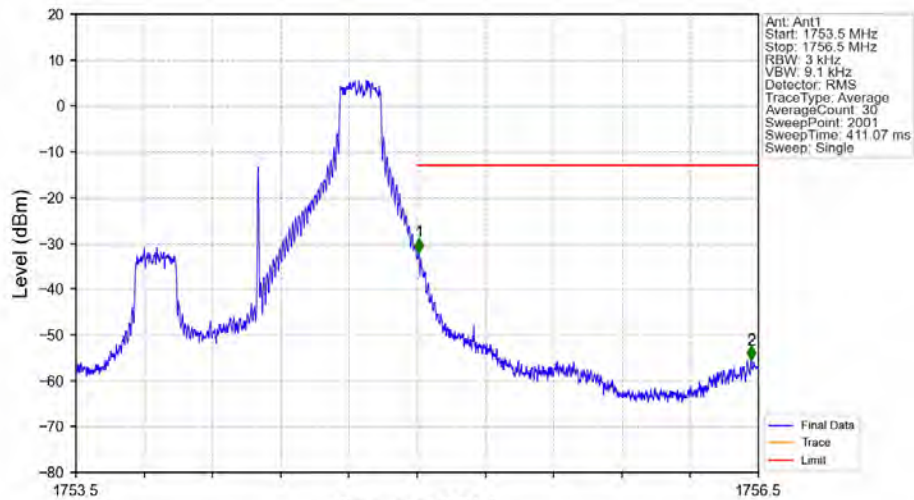
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Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.007	-31.94	-13	Pass
1756	1756.5	1	/	2	1756.468	-55.48	-13	Pass



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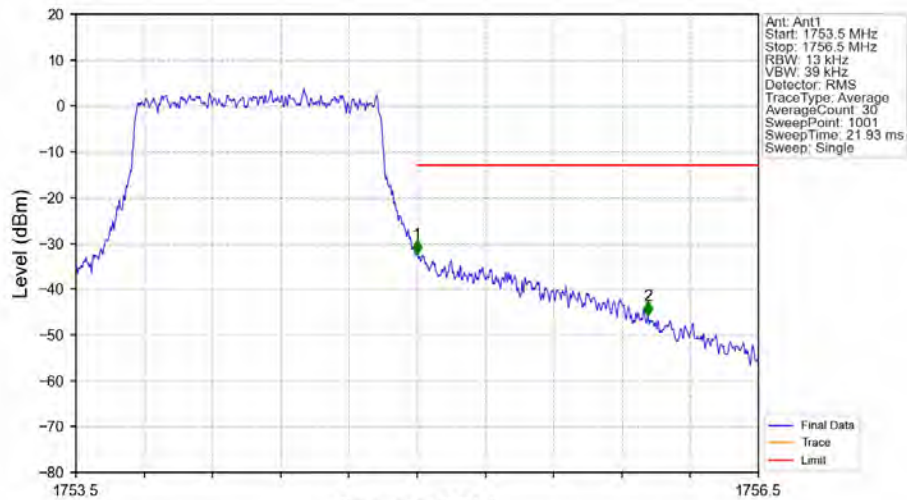
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Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	/	/	/	/	/
1755	1756	0.013	/	1	1755.000	-32.33	-13	Pass
1756	1756.5	1	/	2	1756.014	-45.74	-13	Pass



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5.2 B4_3MHz

5.2.1 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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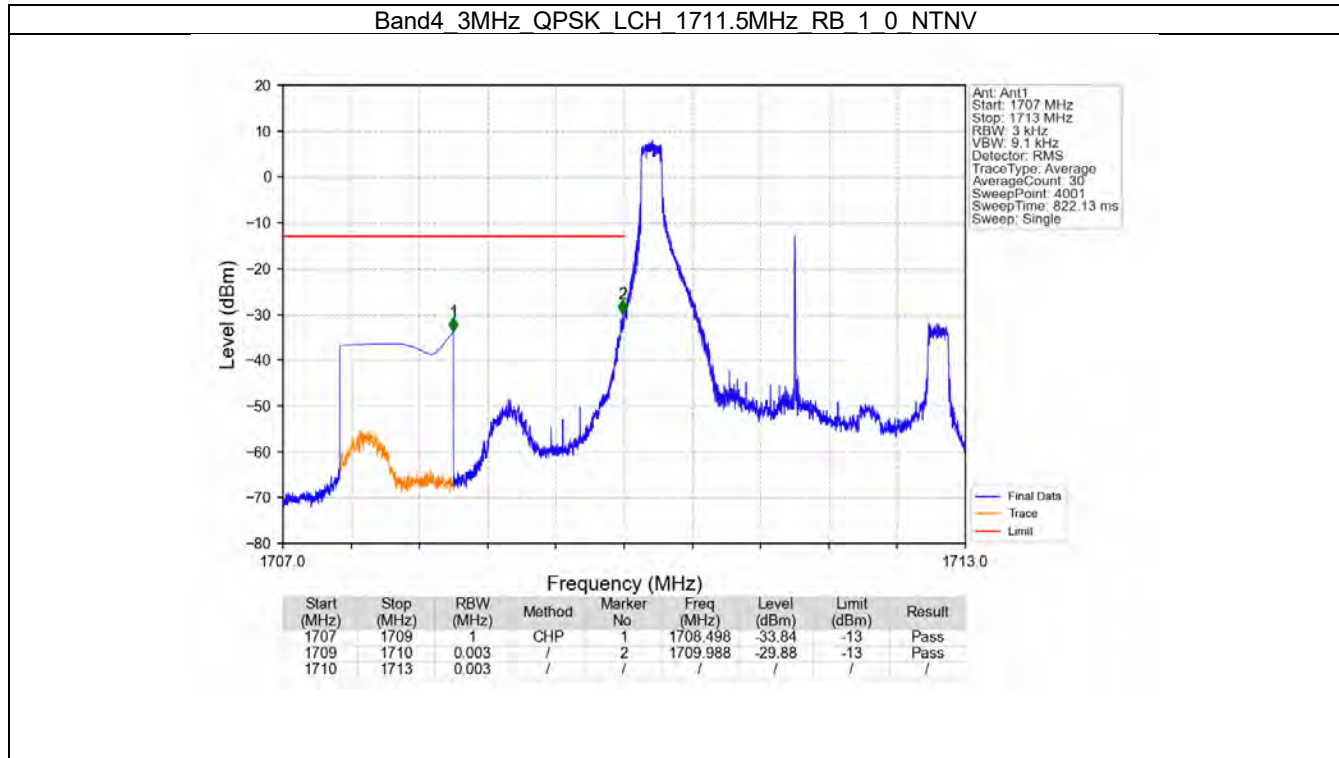
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5.2.2 Test Graph



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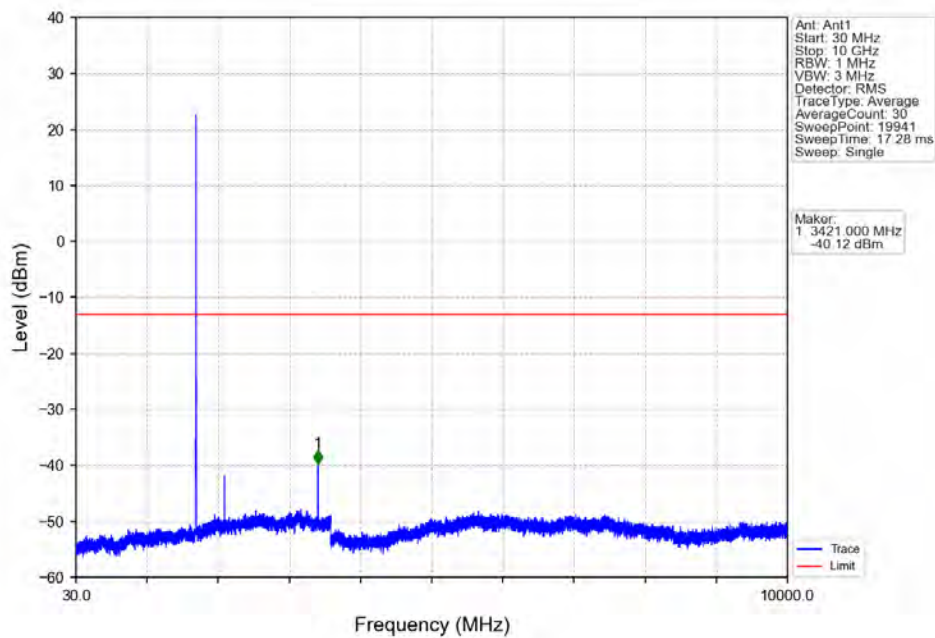
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Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



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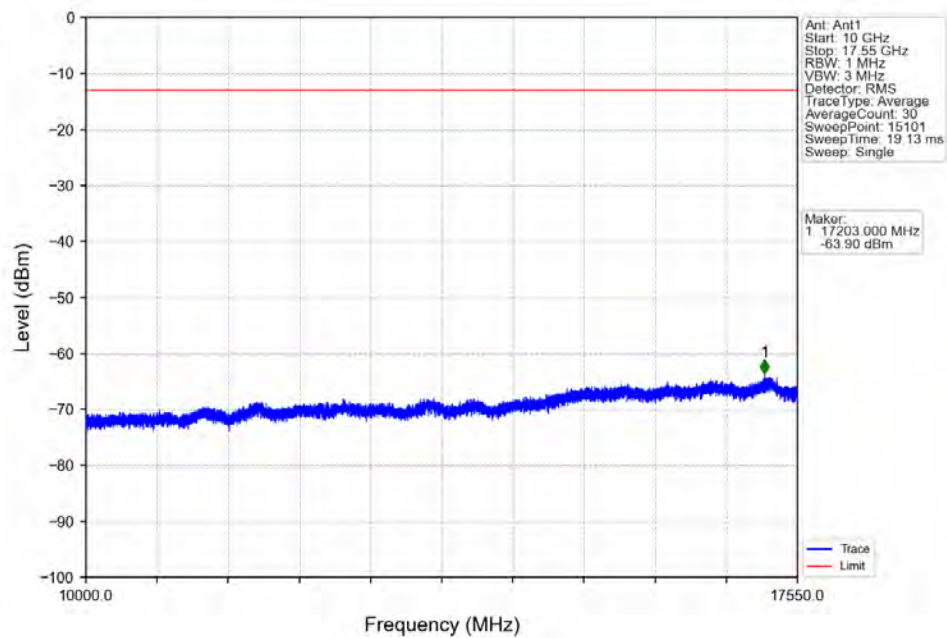
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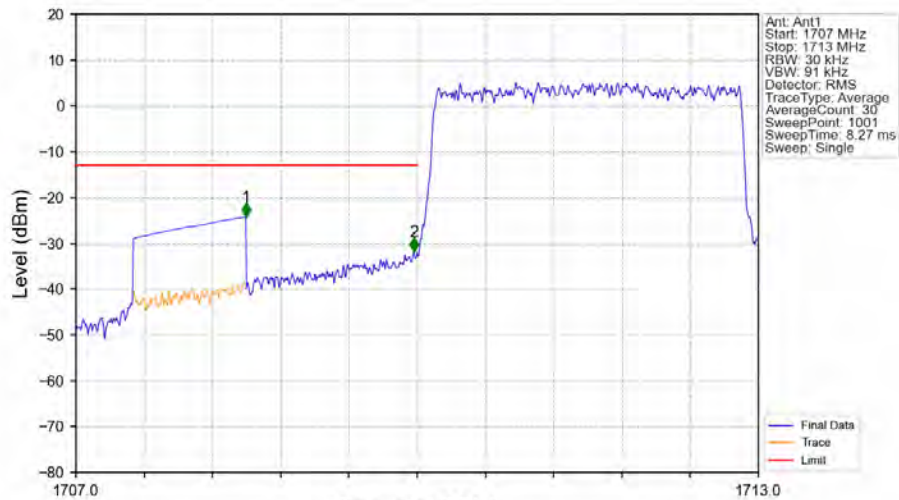
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Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-24.32	-13	Pass
1709	1710	0.03	/	2	1709.970	-31.85	-13	Pass
1710	1713	0.03	/	/	/	/	/	/



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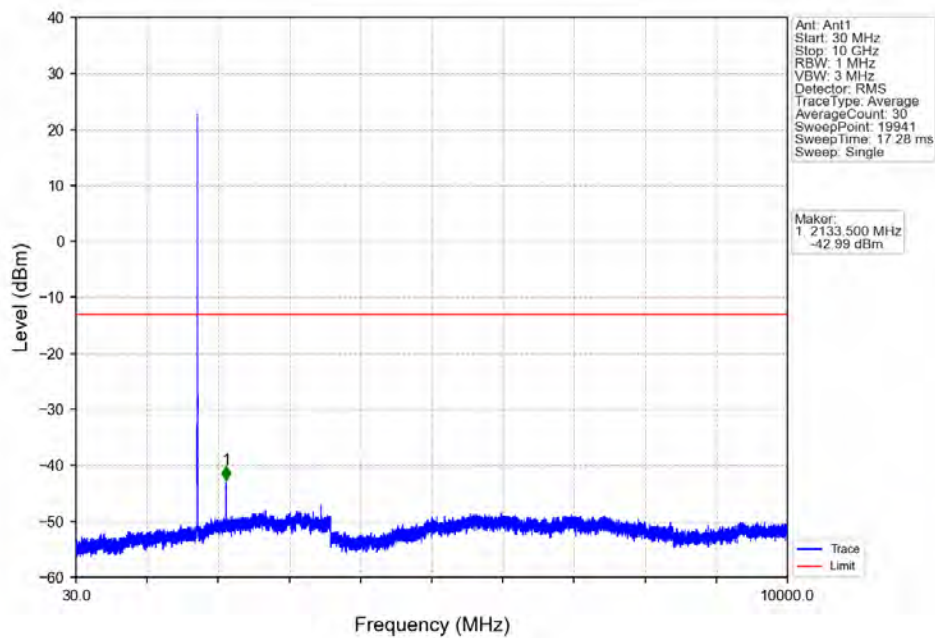
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Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



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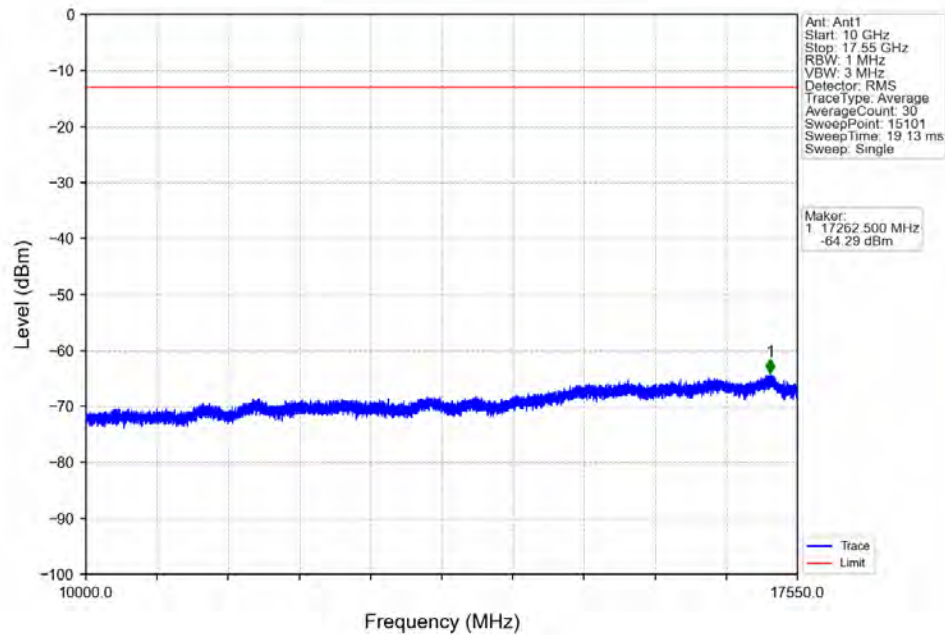
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Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



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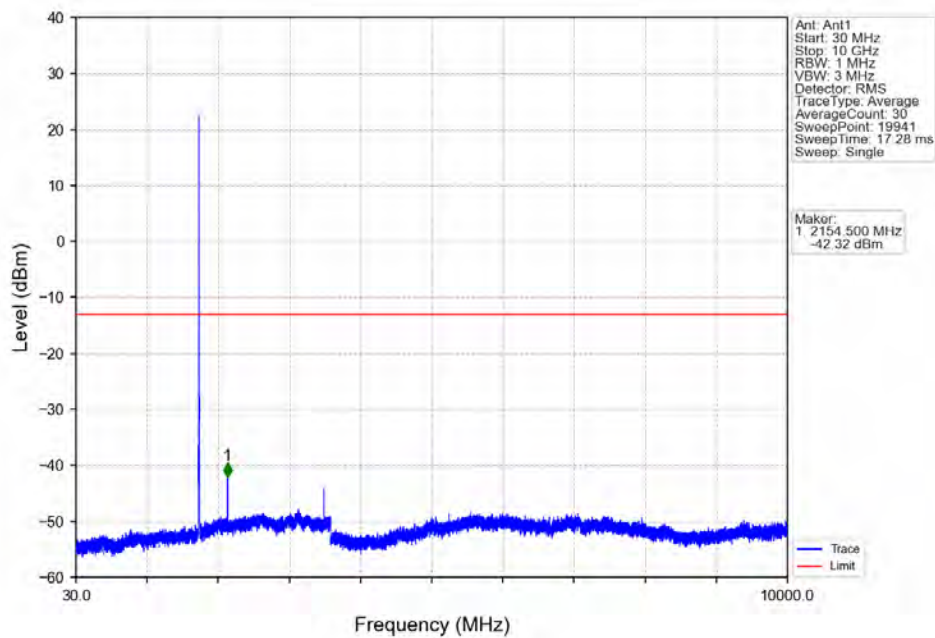
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Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



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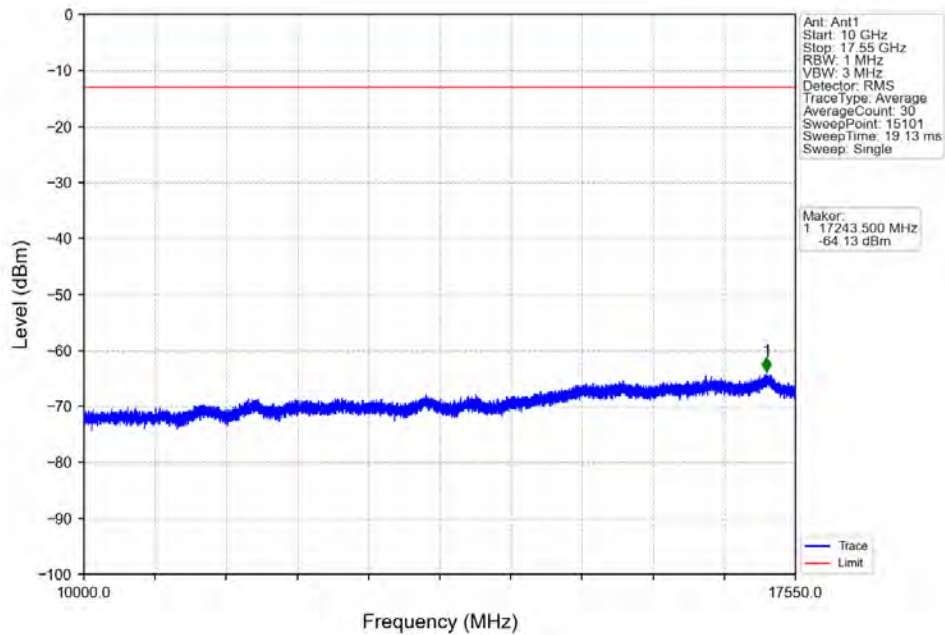
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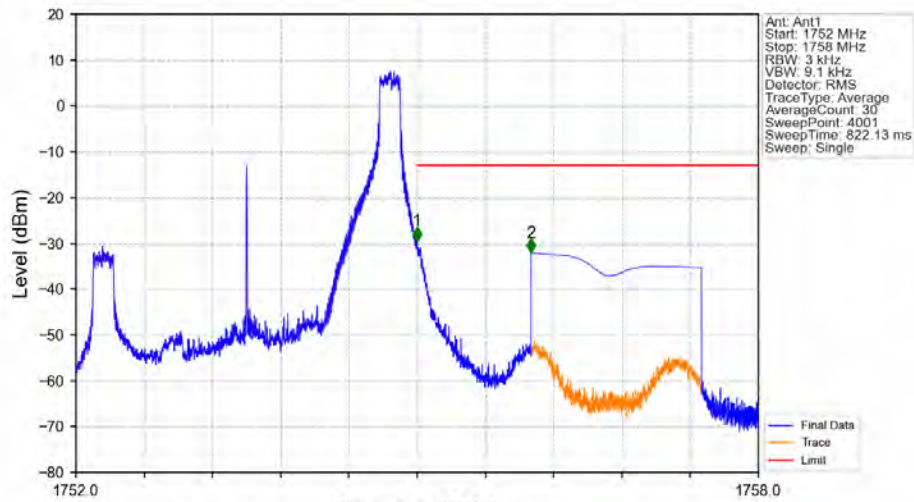
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Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	1	1755.000	-29.47	-13	Pass
1755	1756	0.003	/	2	1756.001	-32.04	-13	Pass



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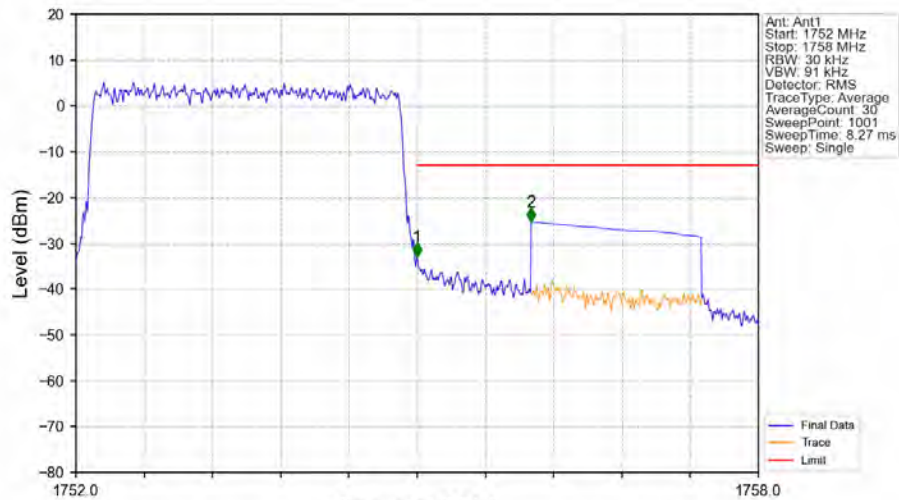
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Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.03	/	1	1755.000	-32.87	-13	Pass
1755	1756	0.03	/	2	1756.002	-25.28	-13	Pass
1756	1758	1	CHP					



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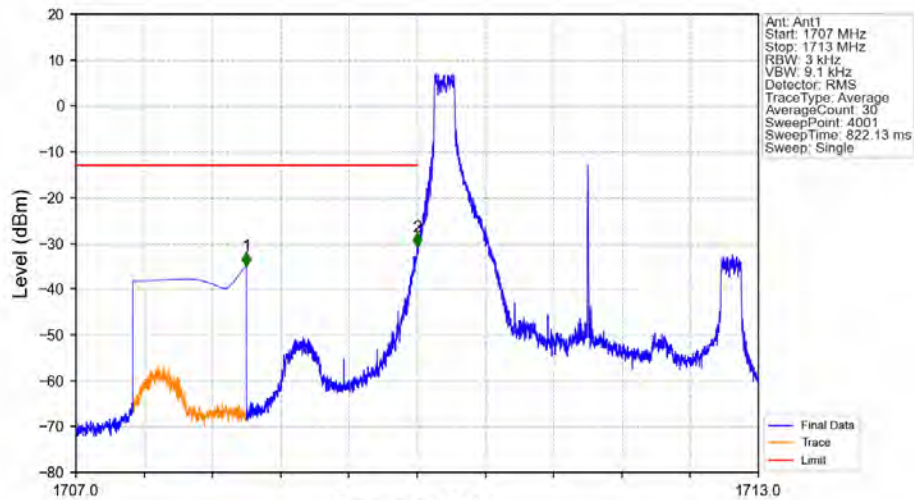
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Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-34.96	-13	Pass
1709	1710	0.003	/	2	1710.000	-30.87	-13	Pass
1710	1713	0.003	/	/	/	/	/	/



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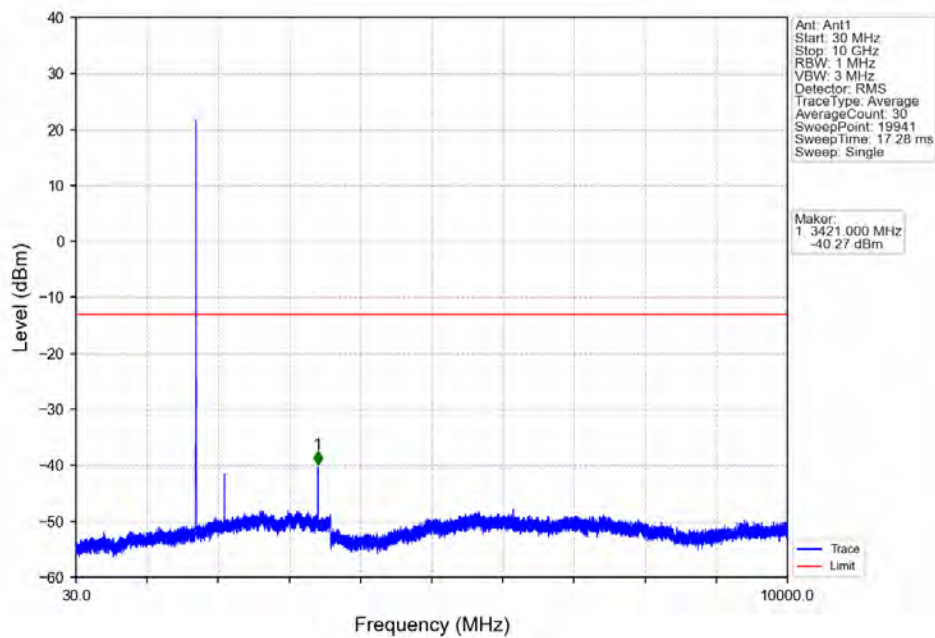
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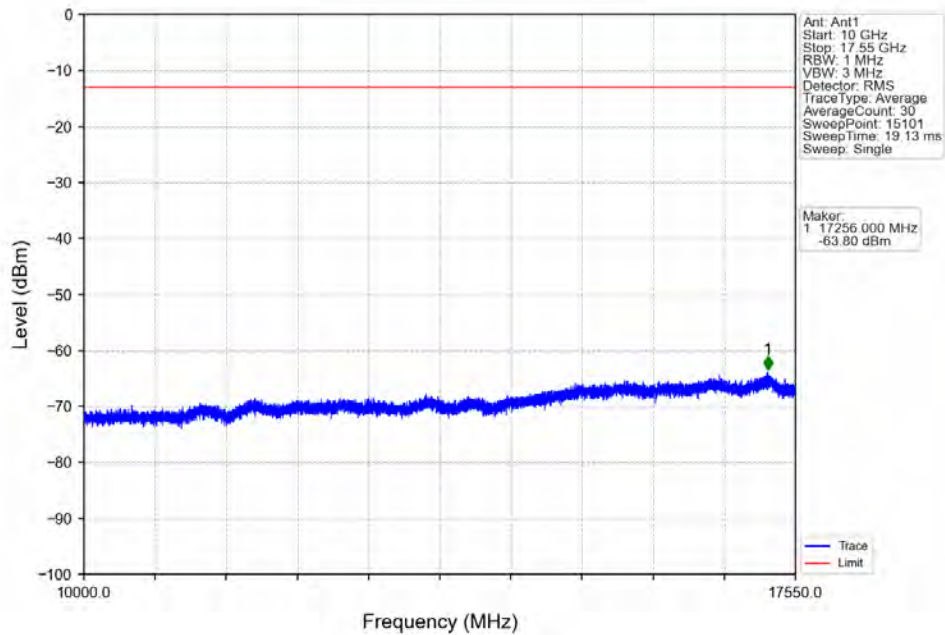
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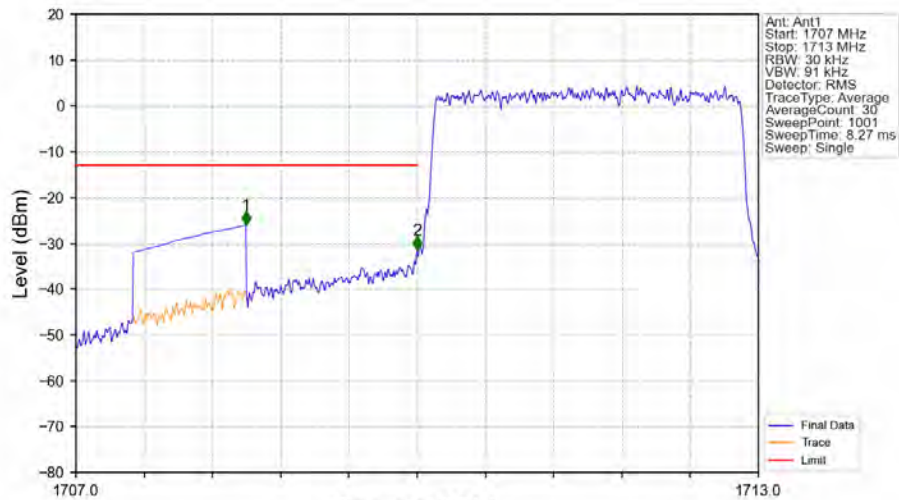
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-26.08	-13	Pass
1709	1710	0.03	/	2	1710.000	-31.50	-13	Pass
1710	1713	0.03	/	/	/	/	/	/



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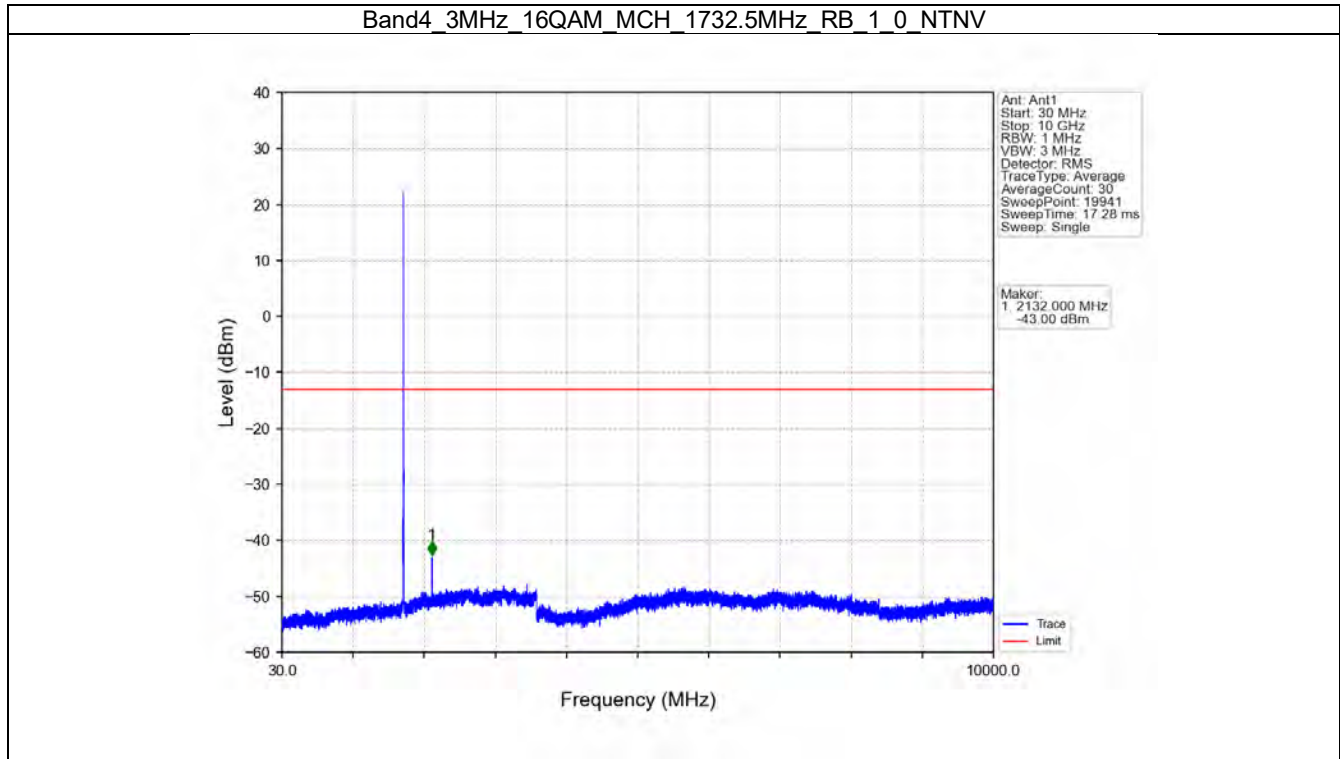


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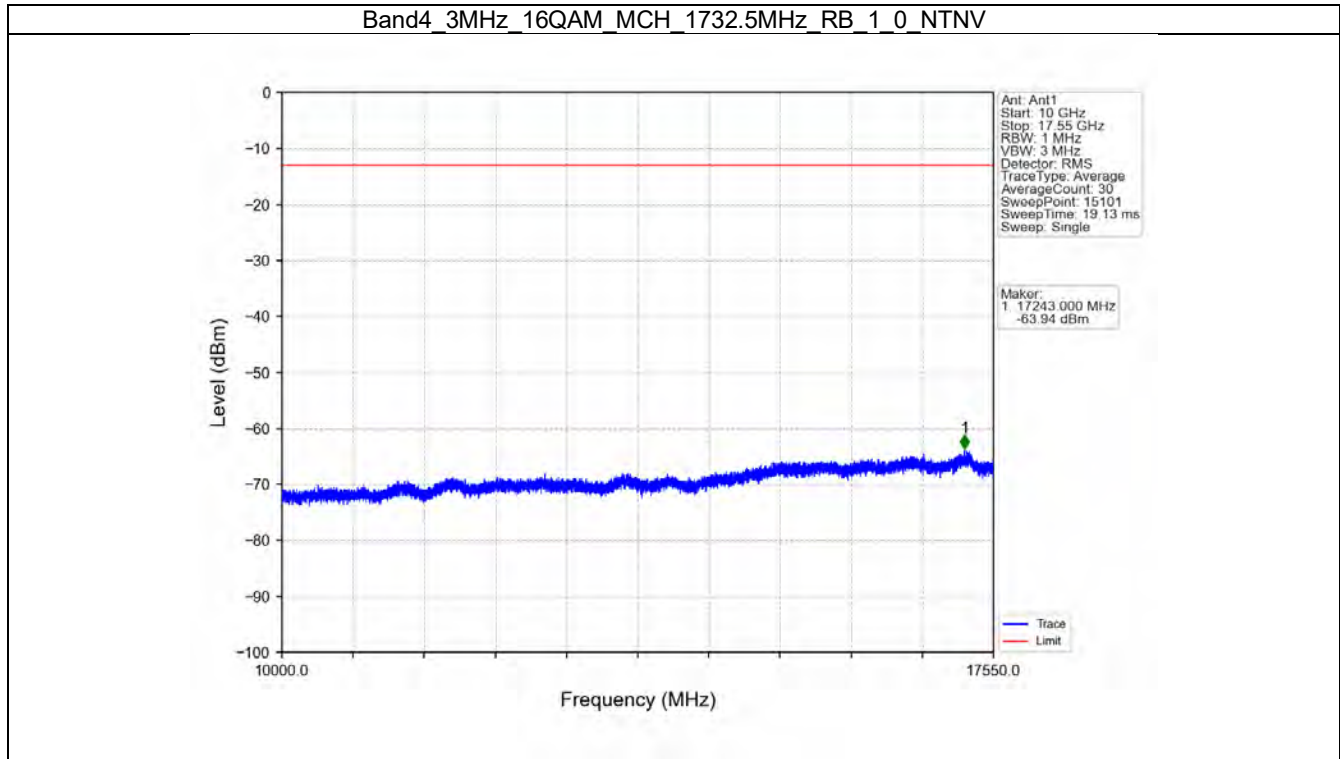


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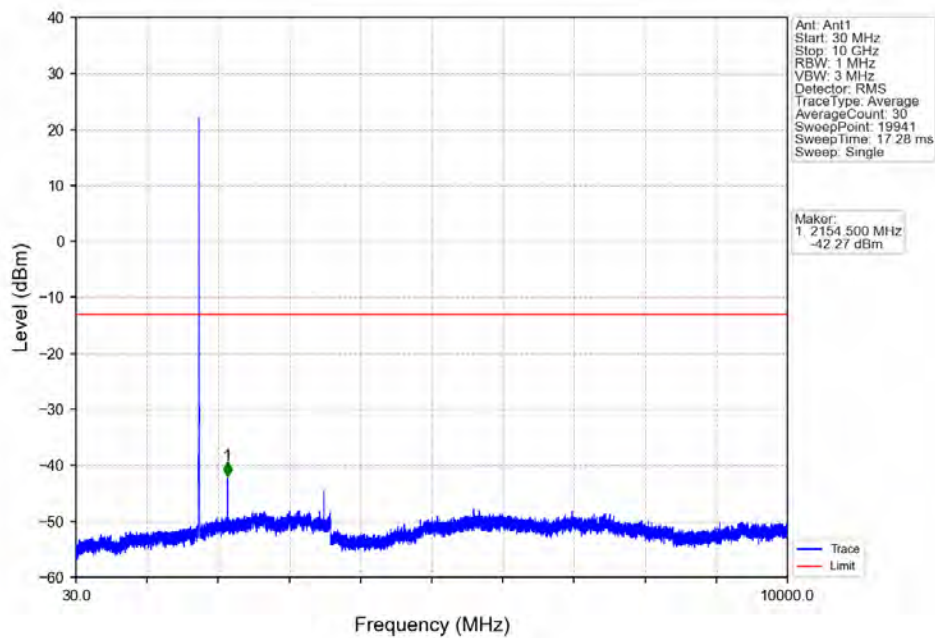
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Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



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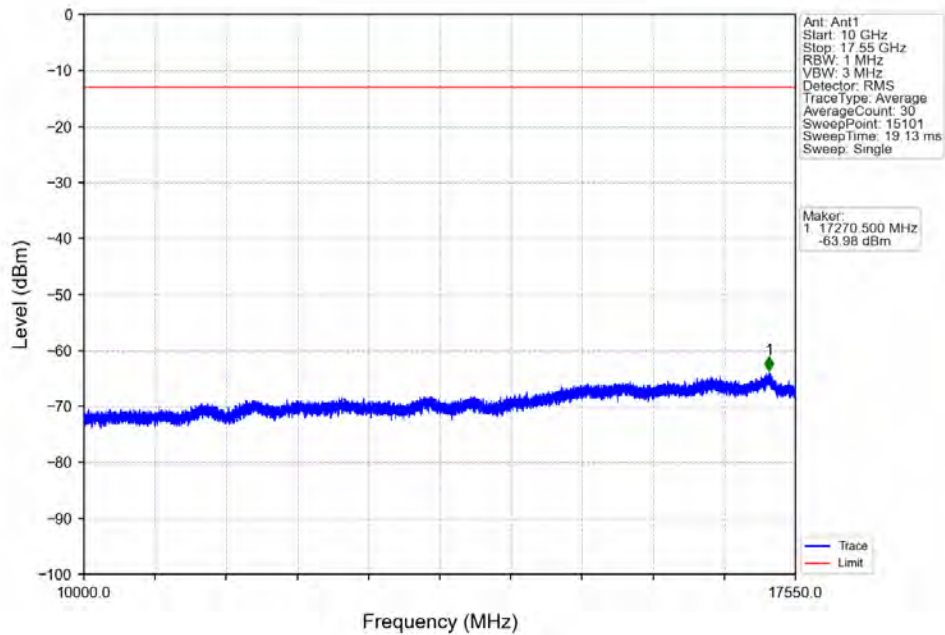
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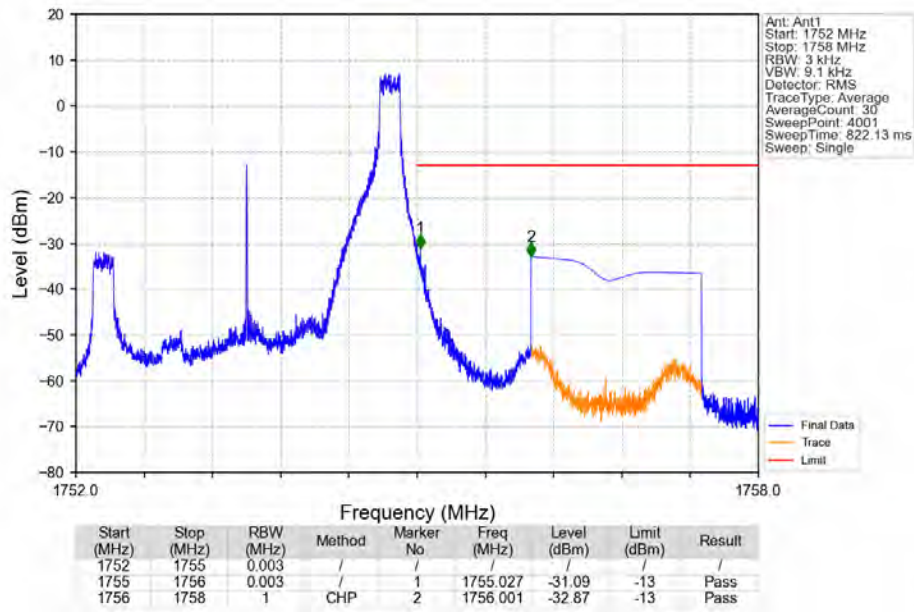
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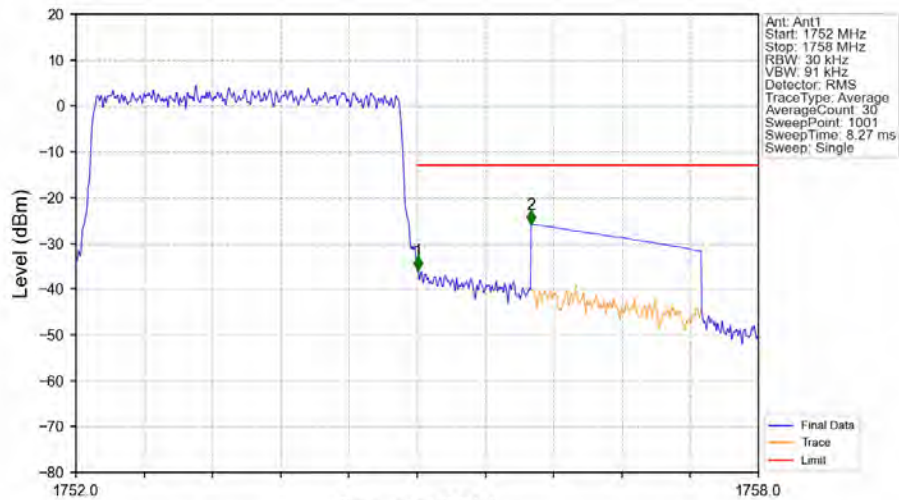
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Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.03	/	/	/	/	/	/
1755	1756	0.03	/	1	1755.006	-35.90	-13	Pass
1756	1758	1	CHP	2	1756.002	-25.85	-13	Pass



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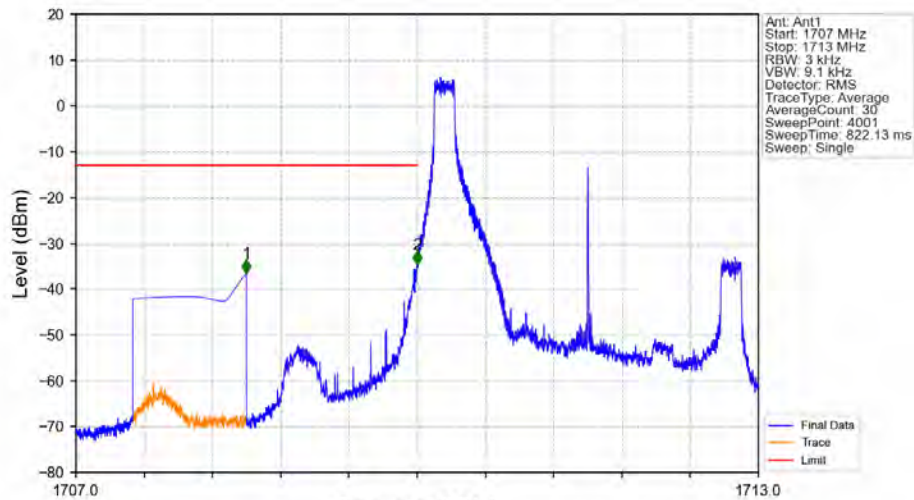
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Band4_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-36.64	-13	Pass
1709	1710	0.003	/	2	1710.000	-34.68	-13	Pass
1710	1713	0.003	/	/	/	/	/	/



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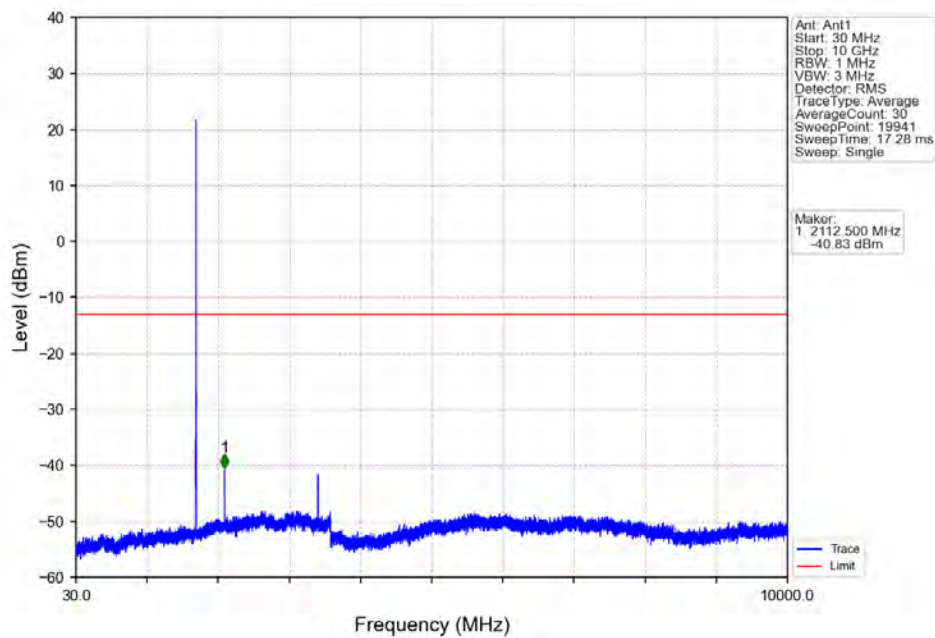
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Band4_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV



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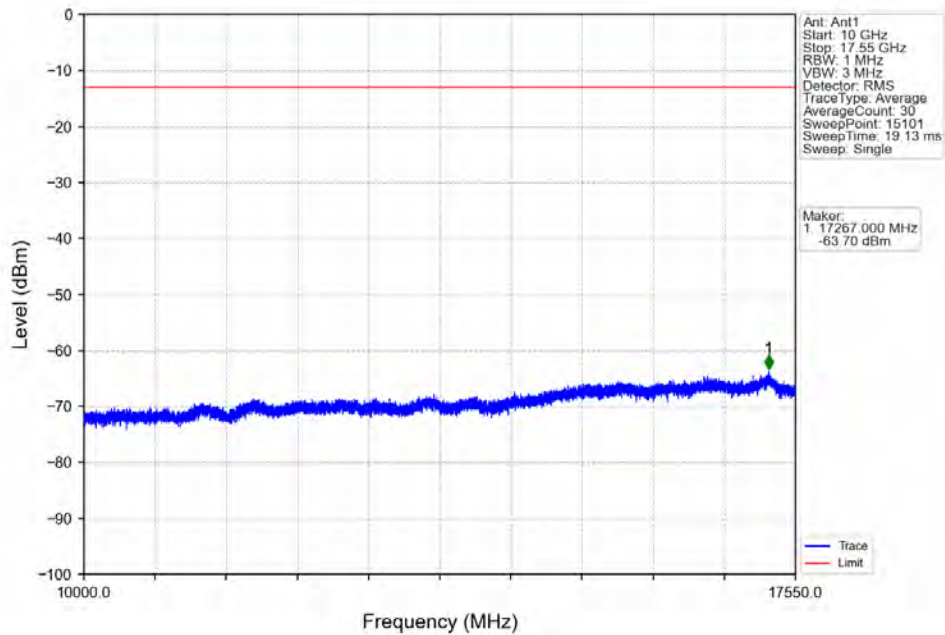
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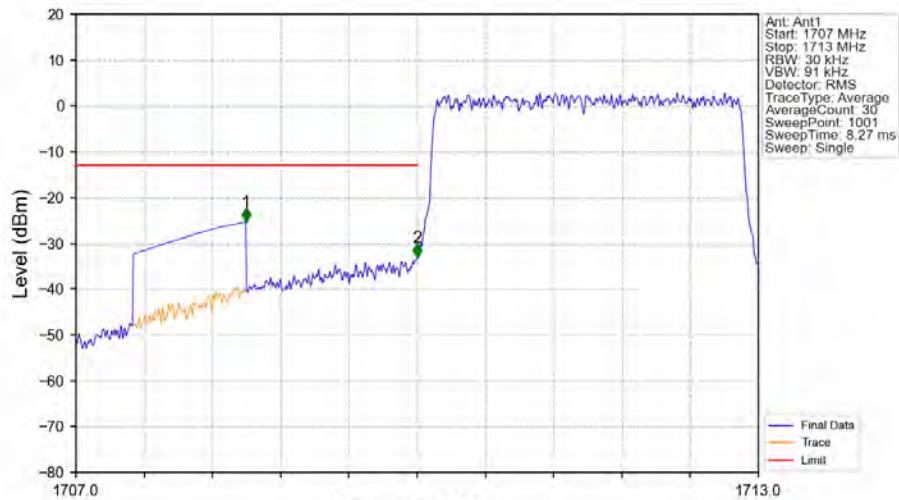
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Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-25.34	-13	Pass
1709	1710	0.03	/	2	1710.000	-33.10	-13	Pass
1710	1713	0.03	/	/	/	/	/	/



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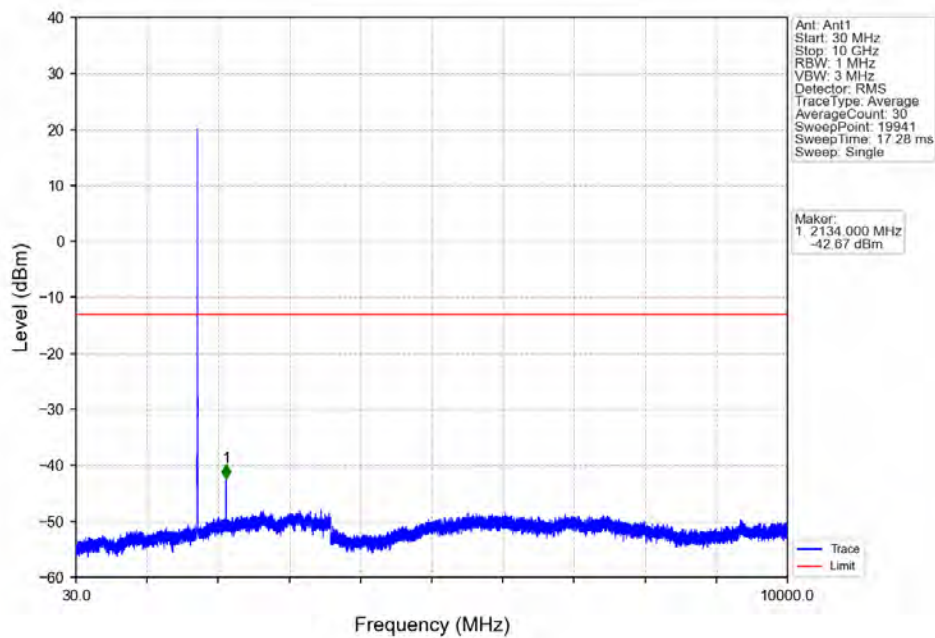
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Band4_3MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



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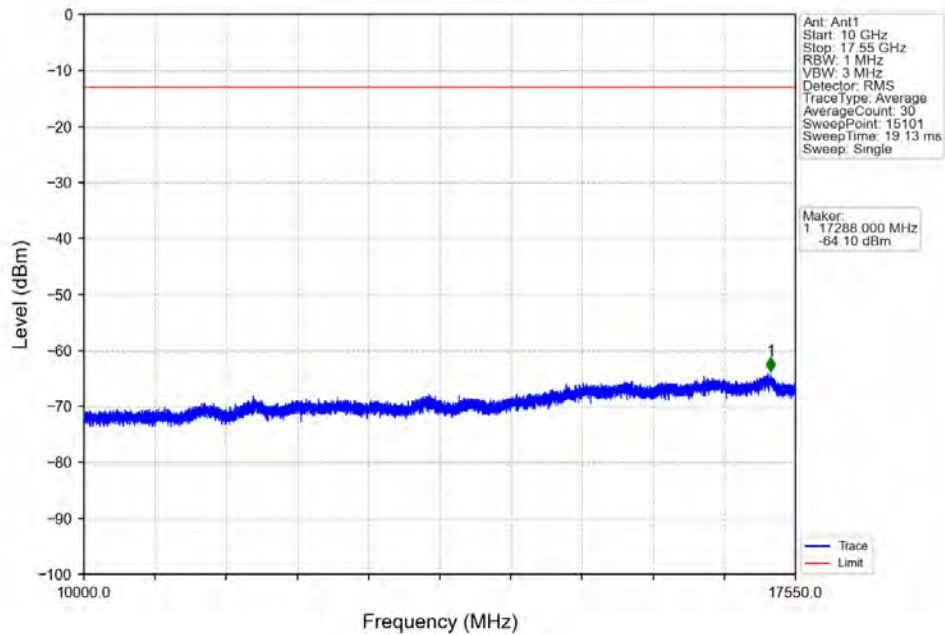
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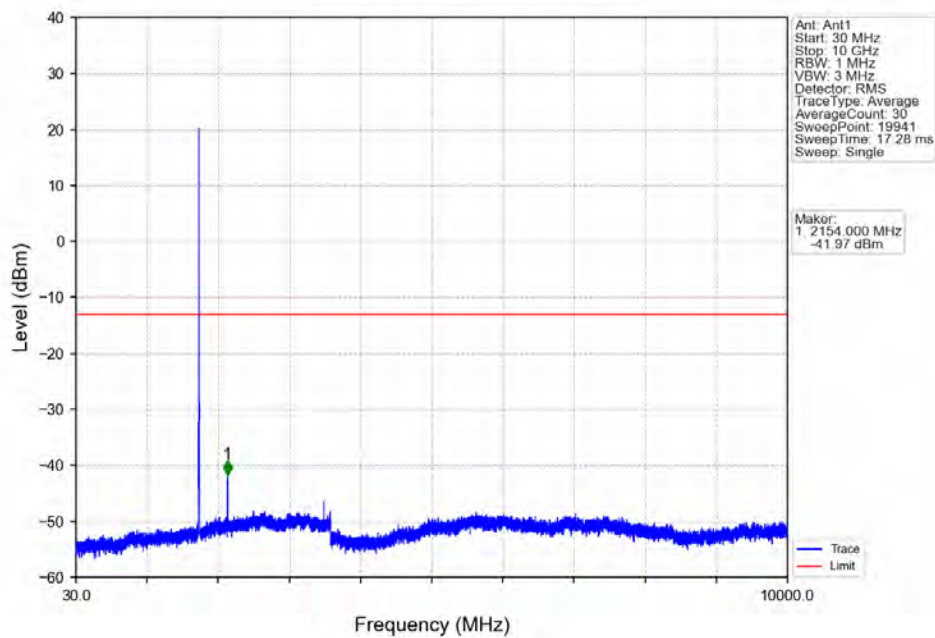
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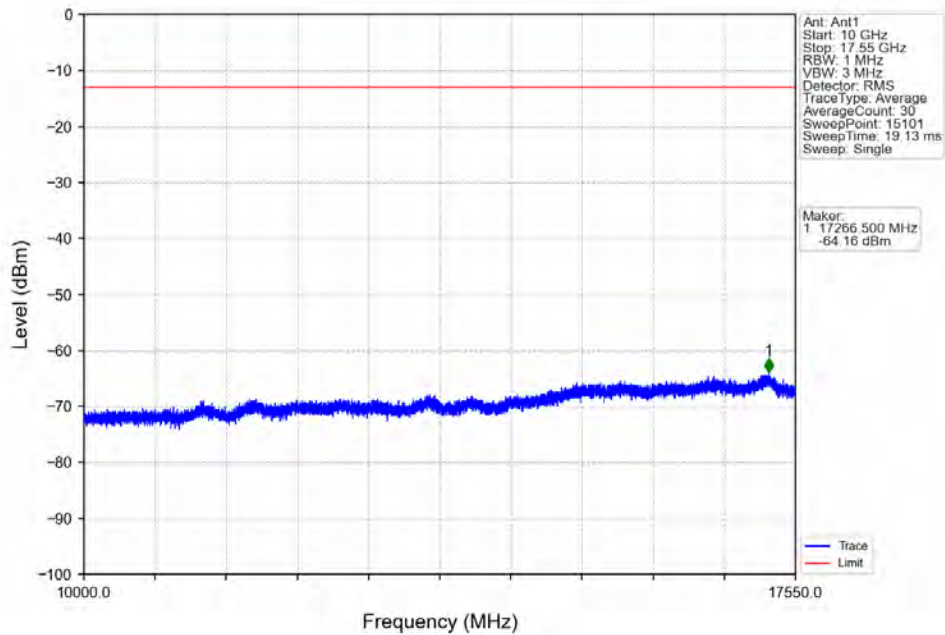
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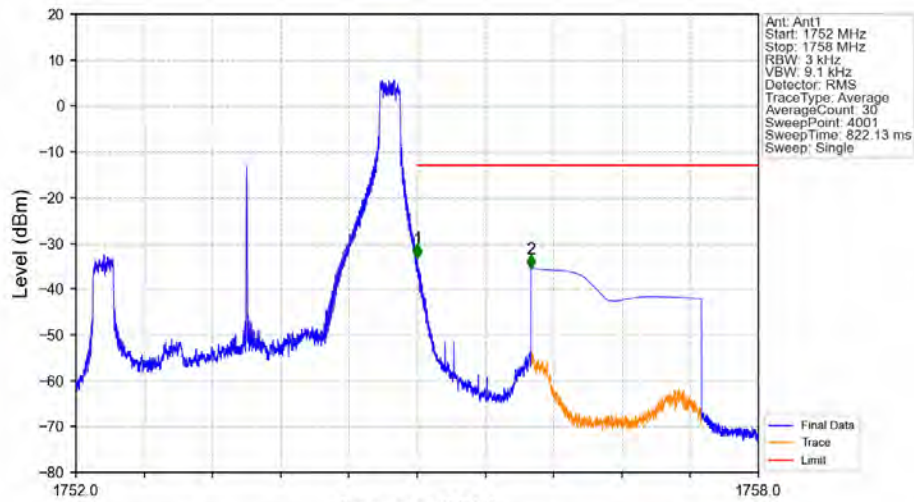
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1752	1755	0.003	/	1	1755.002	-33.28	-13	Pass
1755	1756	0.003	/	2	1756.001	-35.54	-13	Pass
1756	1758	1	CHP					



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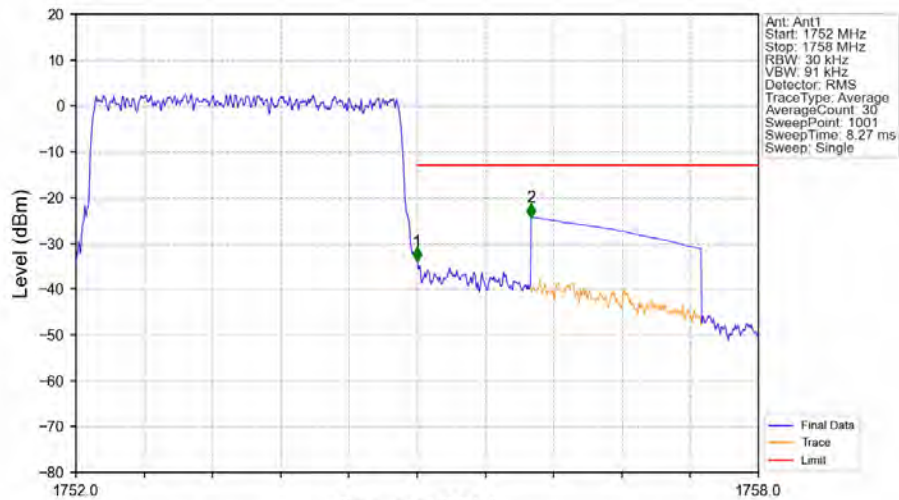
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Band4_3MHz_64QAM_HCH_1753.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.03	/	/	/	/	/	/
1755	1756	0.03	/	1	1755.000	-34.01	-13	Pass
1756	1758	1	CHP	2	1756.002	-24.38	-13	Pass



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5.3 B4_5MHz

5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
		1	0	Refer To Test Graph	Pass
	1752.5	1	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
		1	0	Refer To Test Graph	Pass
	1752.5	1	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
		1	0	Refer To Test Graph	Pass
	1752.5	1	24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass



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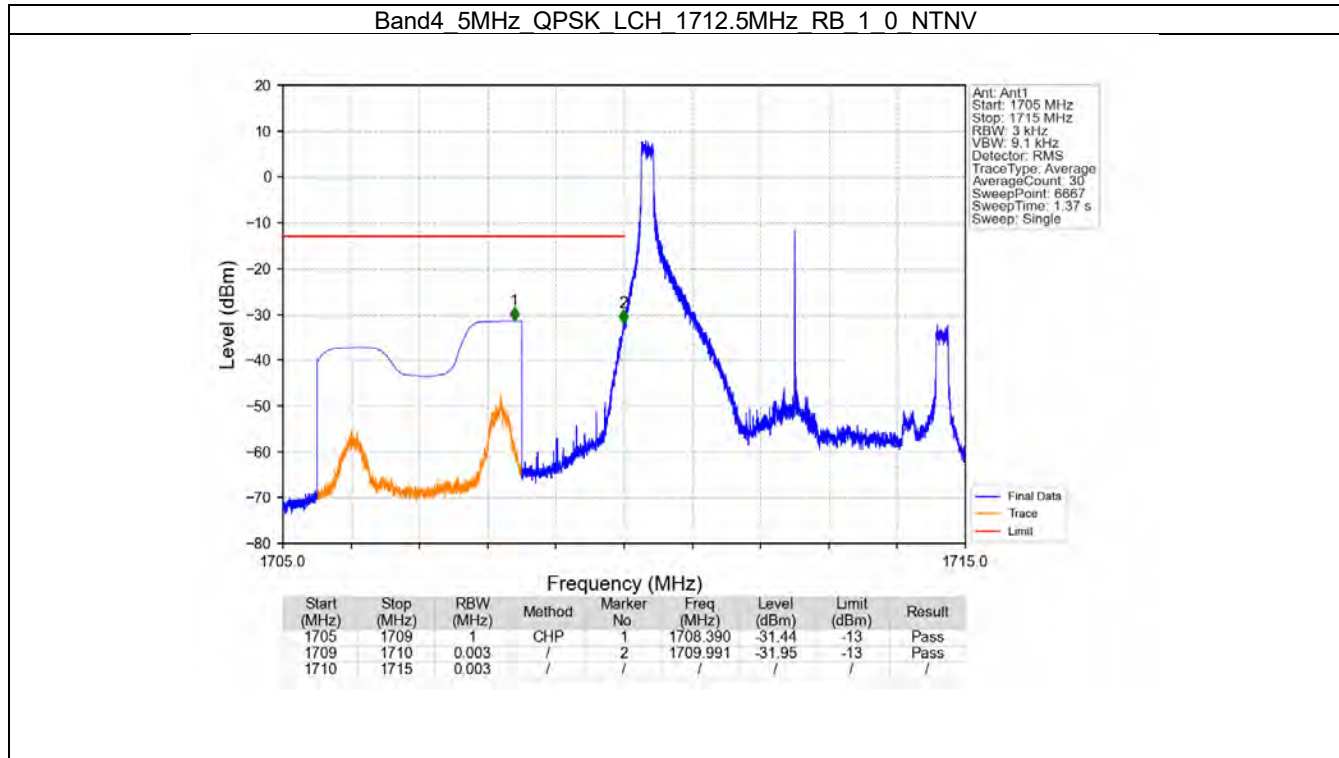
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5.3.2 Test Graph



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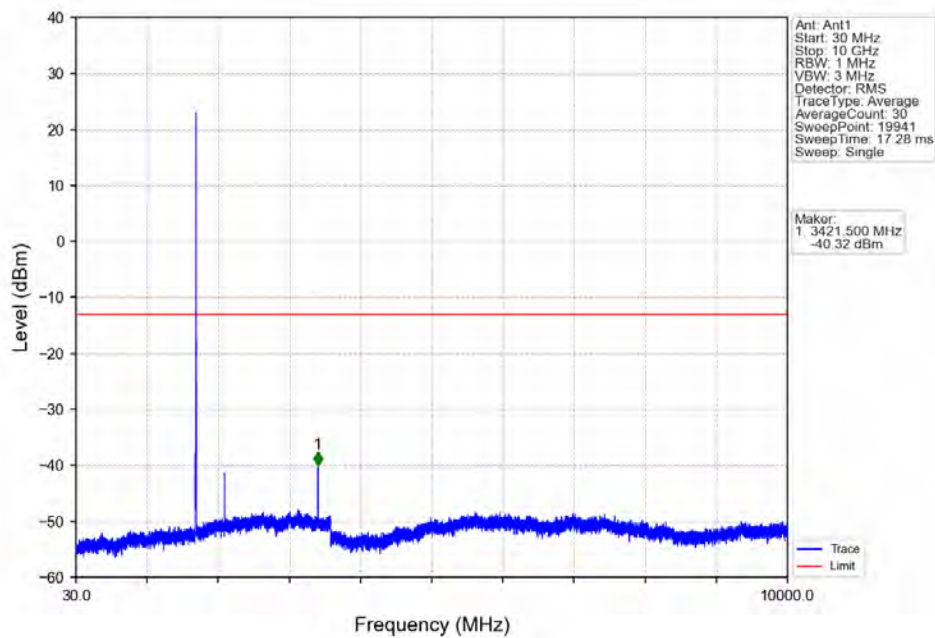
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Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



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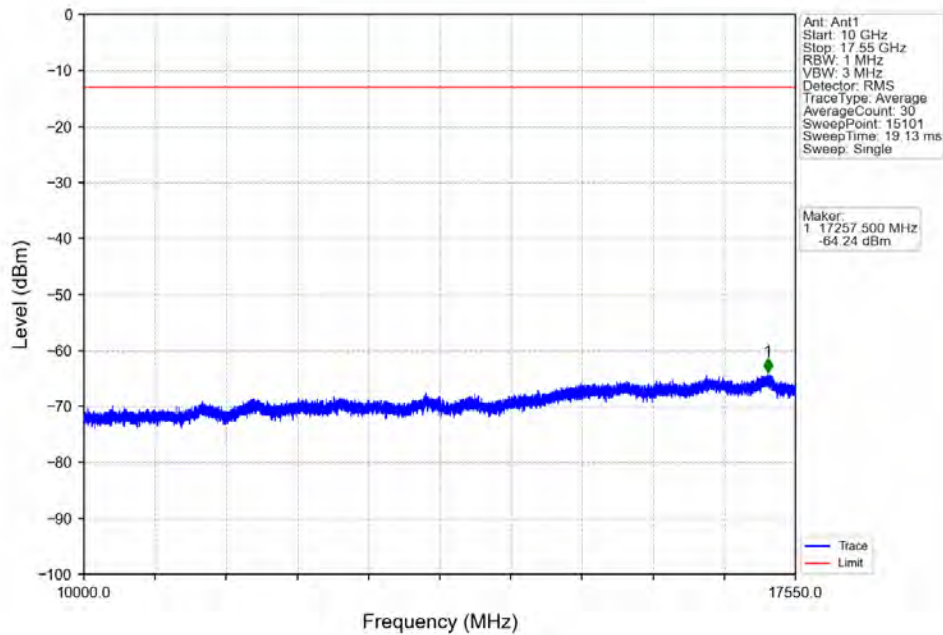
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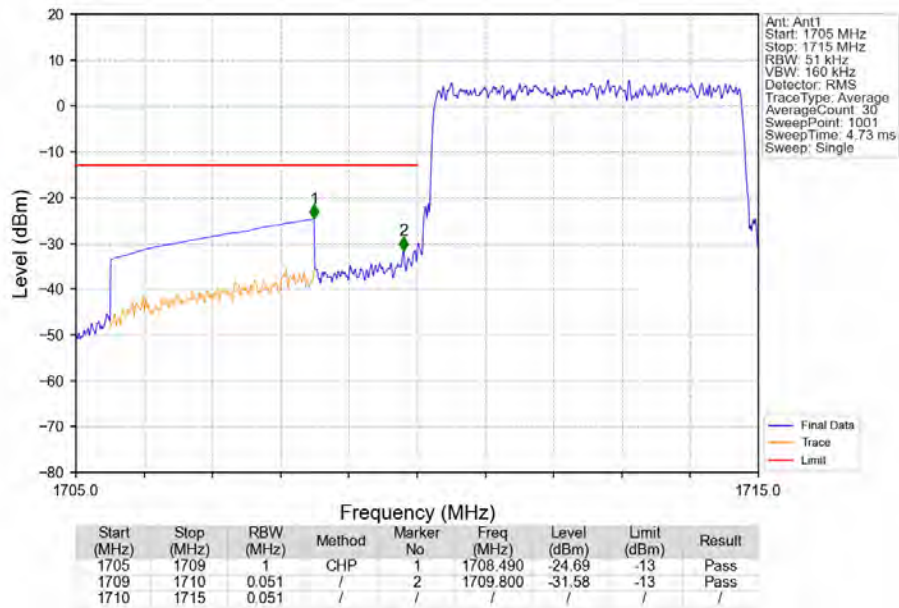
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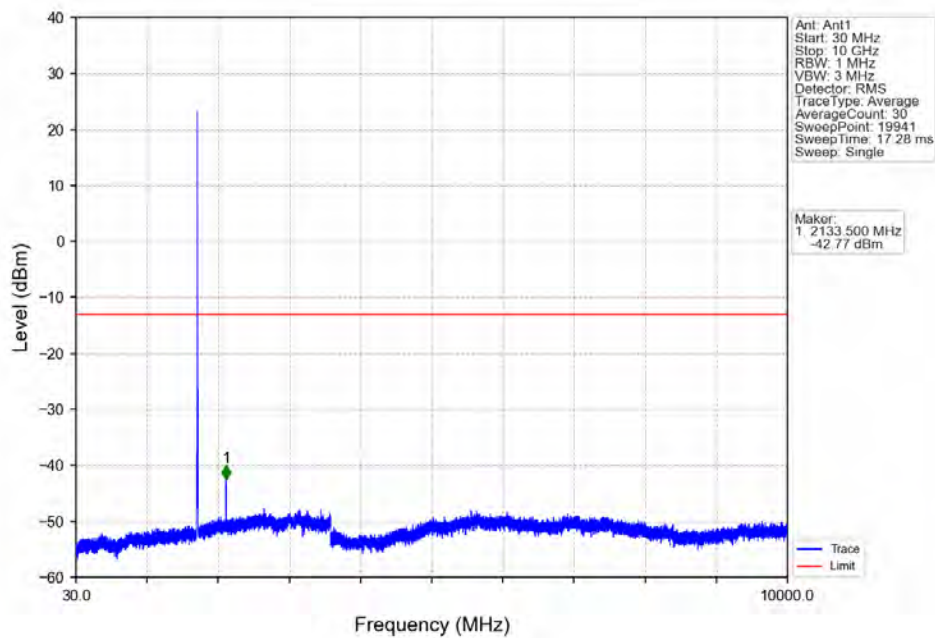
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Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



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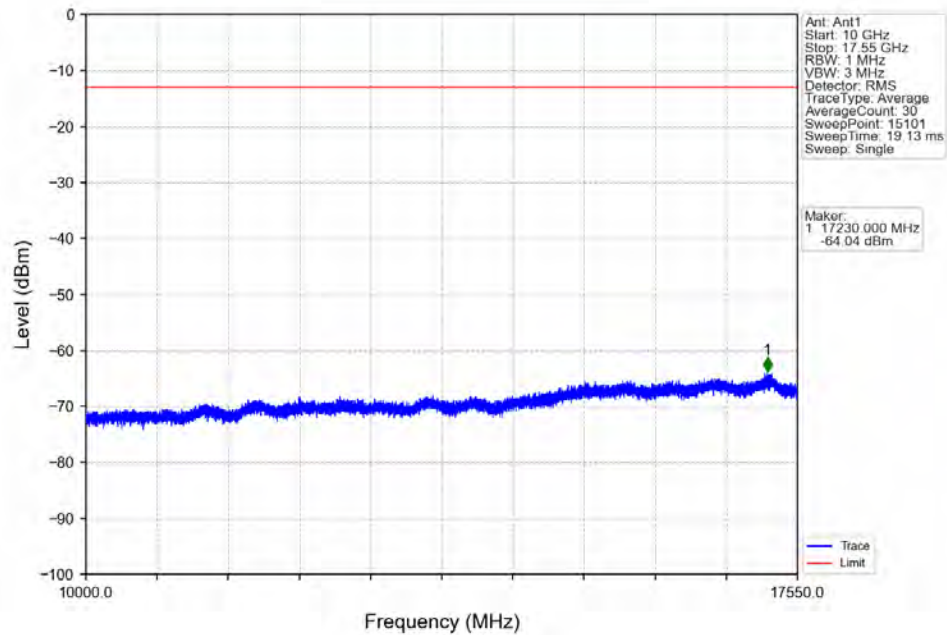
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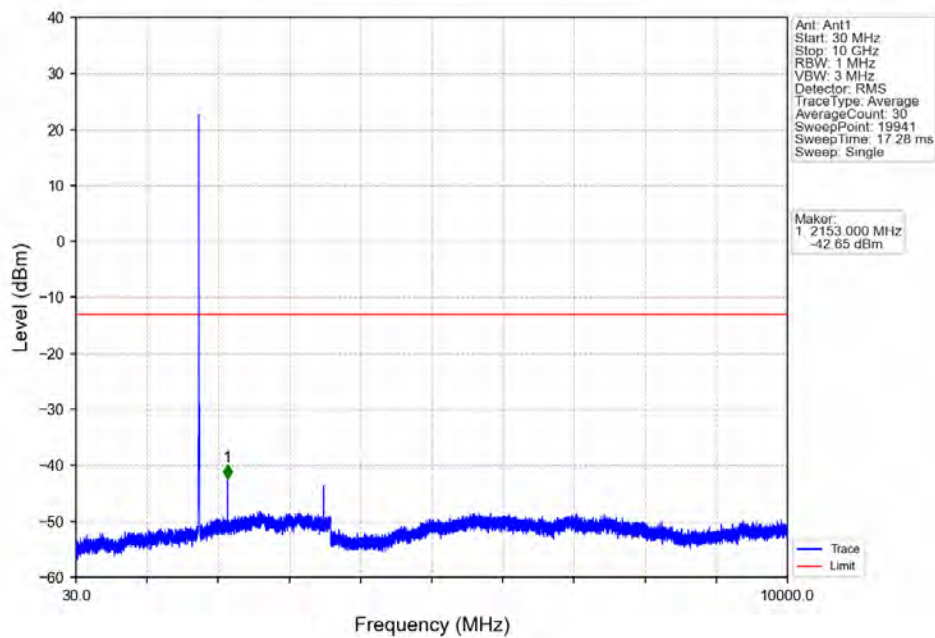
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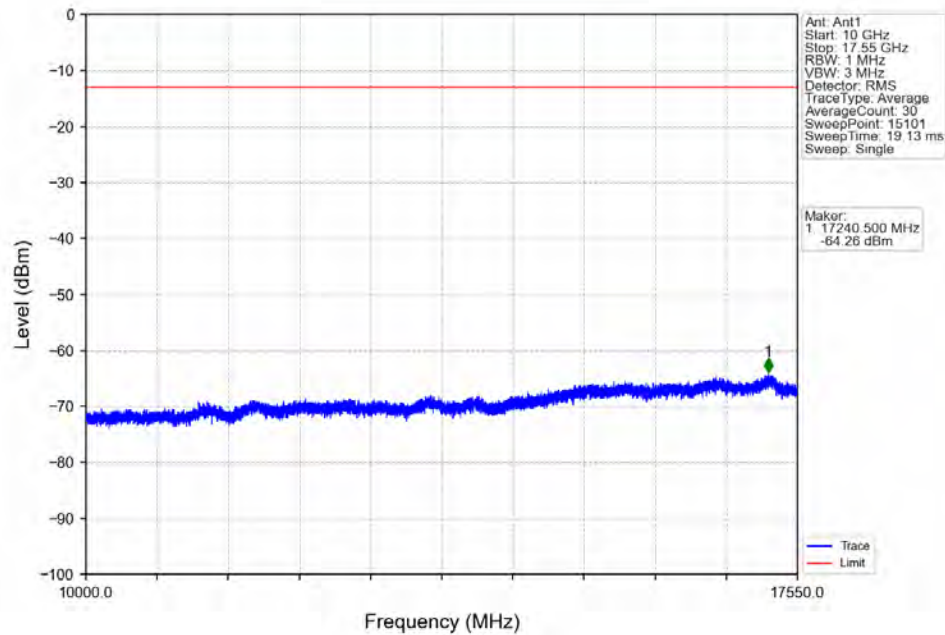
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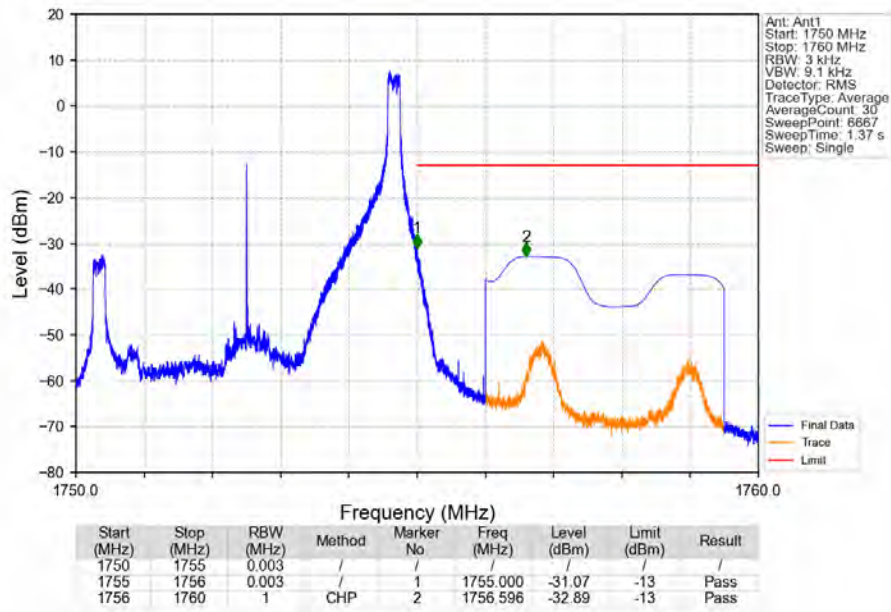
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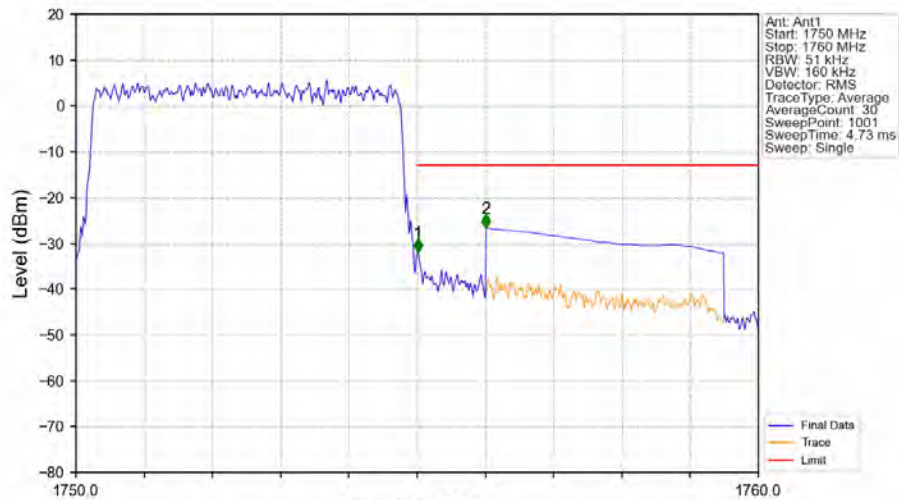
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.051	/	/	/	/	/	/
1755	1756	0.051	/	1	1755.010	-32.09	-13	Pass
1756	1760	1	CHP	2	1756.010	-26.68	-13	Pass



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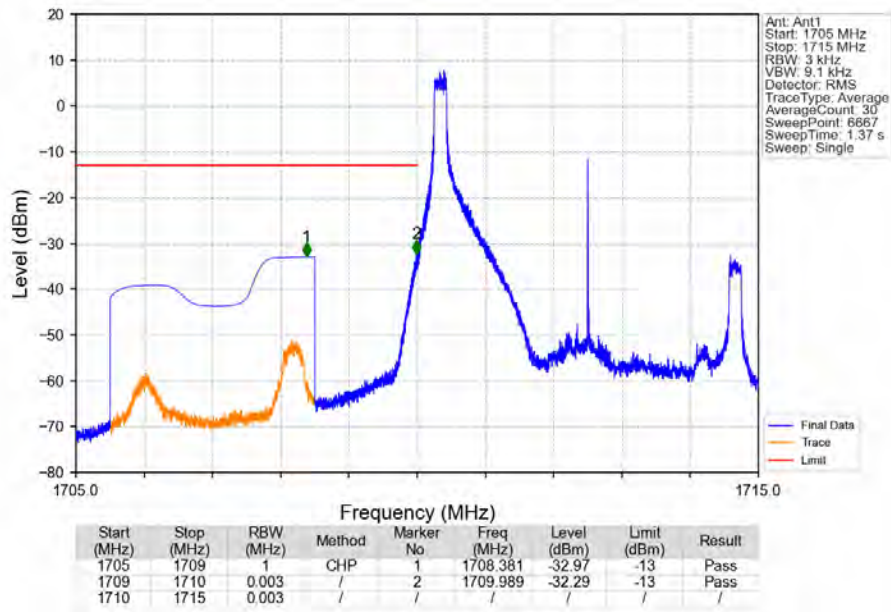
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Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



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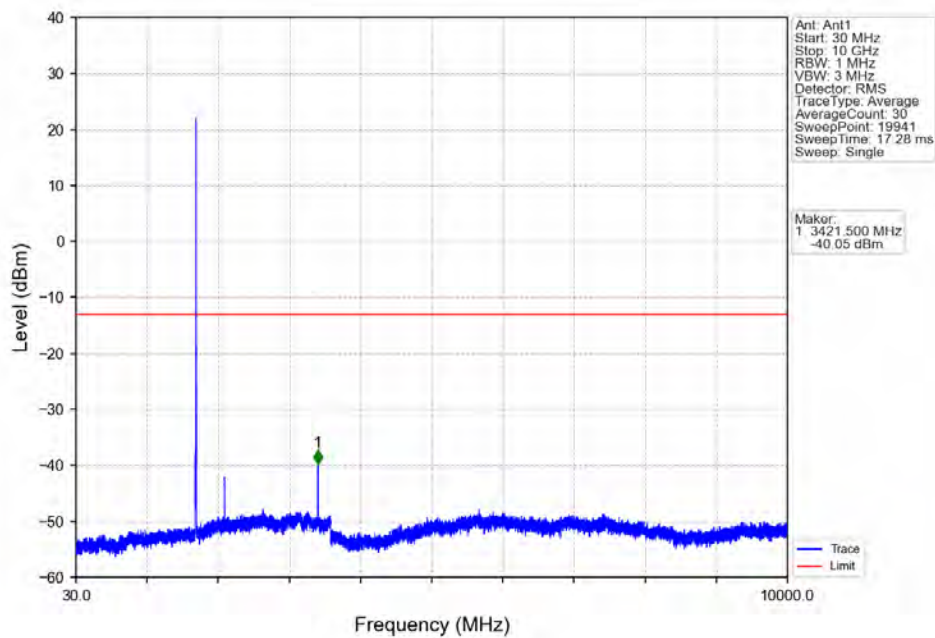
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Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



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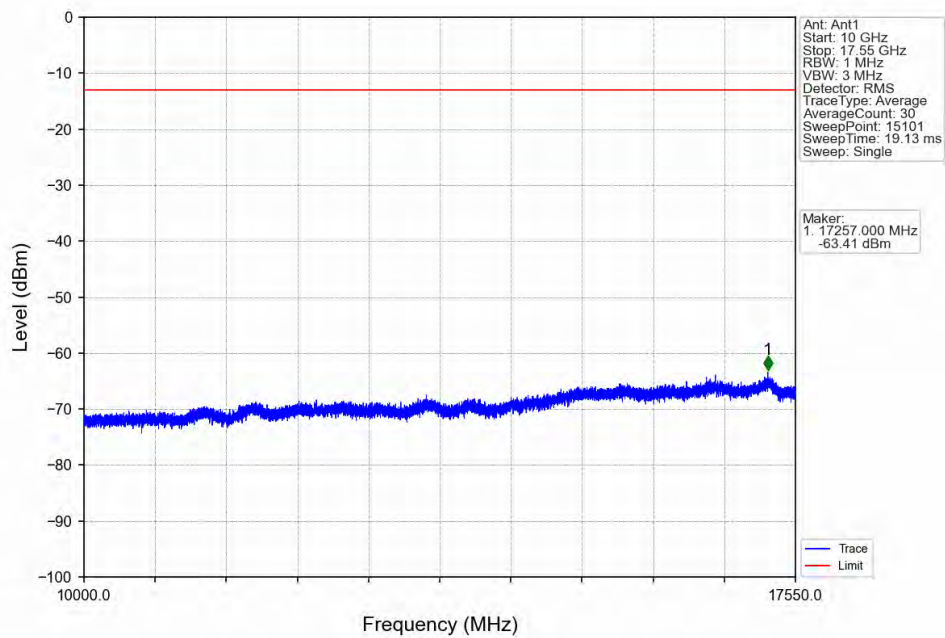
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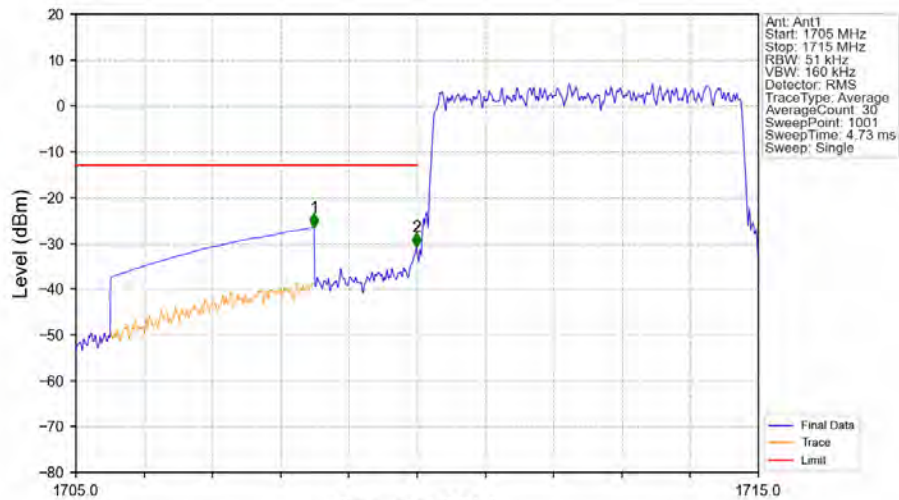
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Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-26.53	-13	Pass
1709	1710	0.051	/	2	1709.990	-30.83	-13	Pass
1710	1715	0.051	/	/	/	/	/	/



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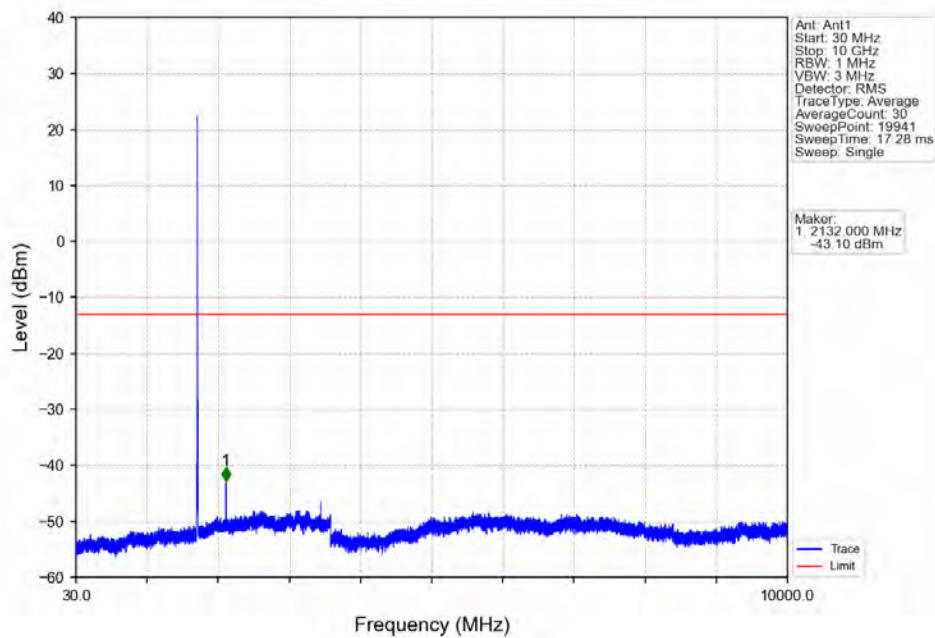
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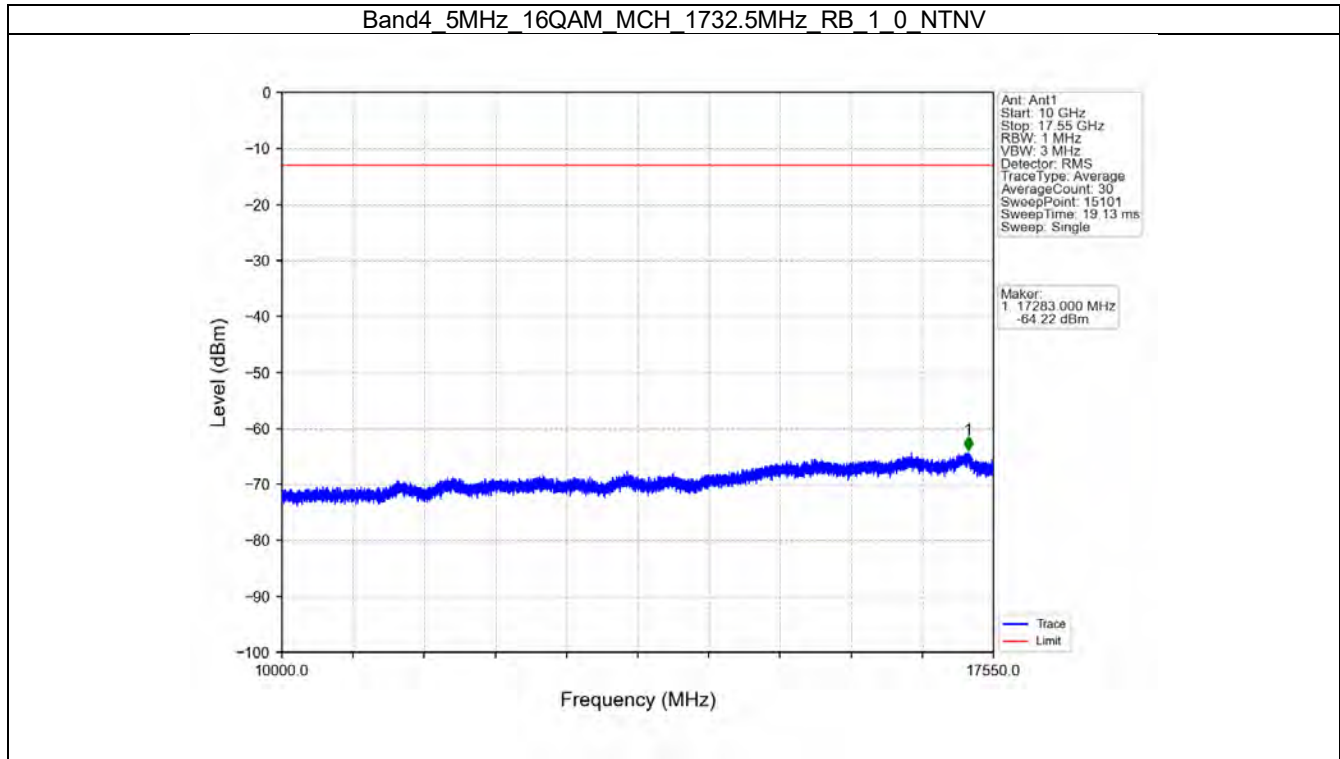


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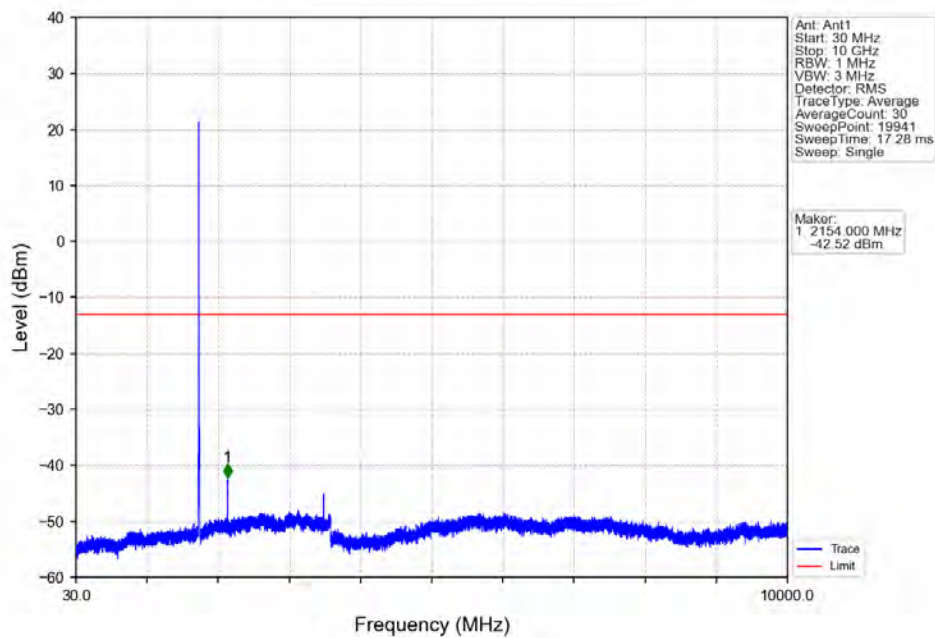
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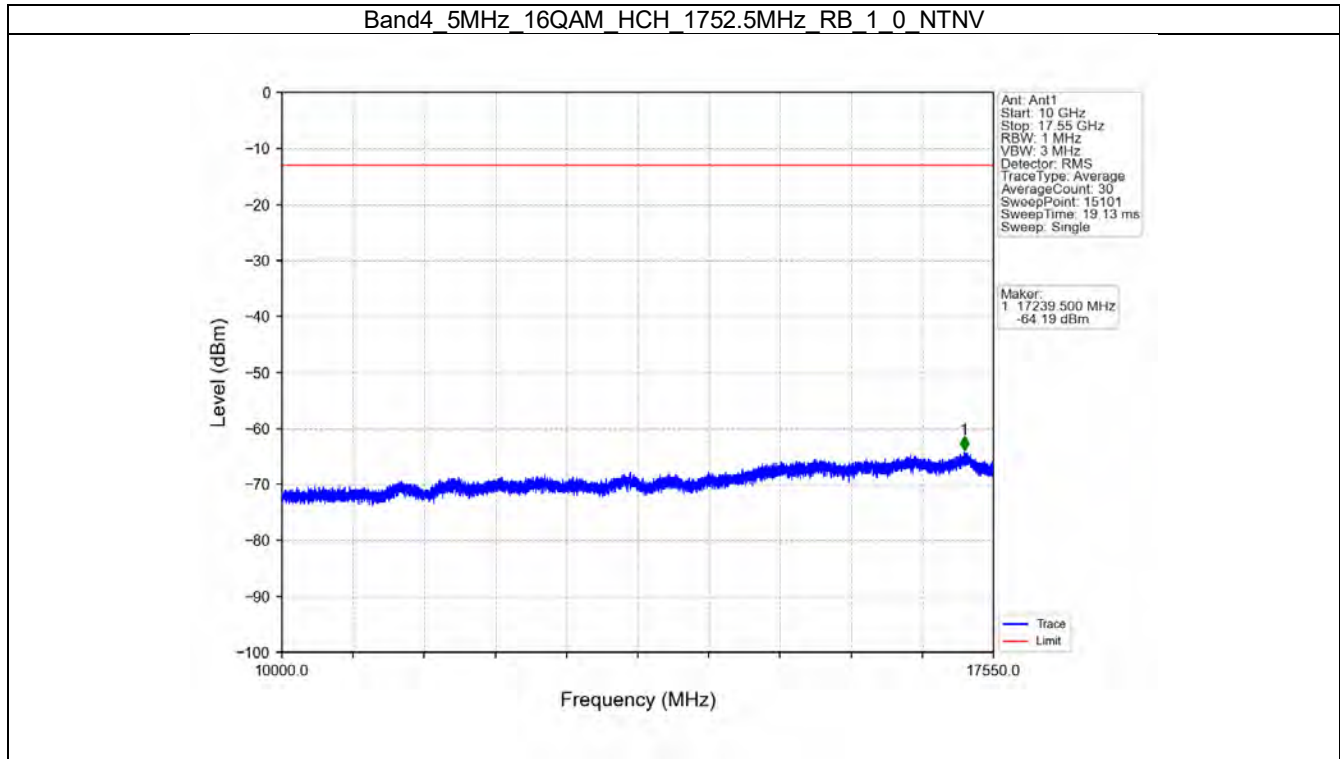


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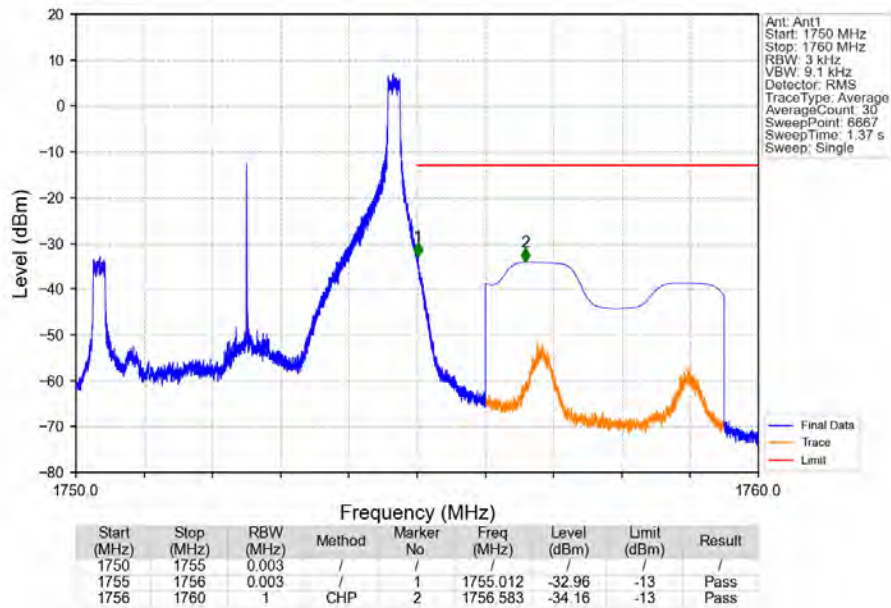
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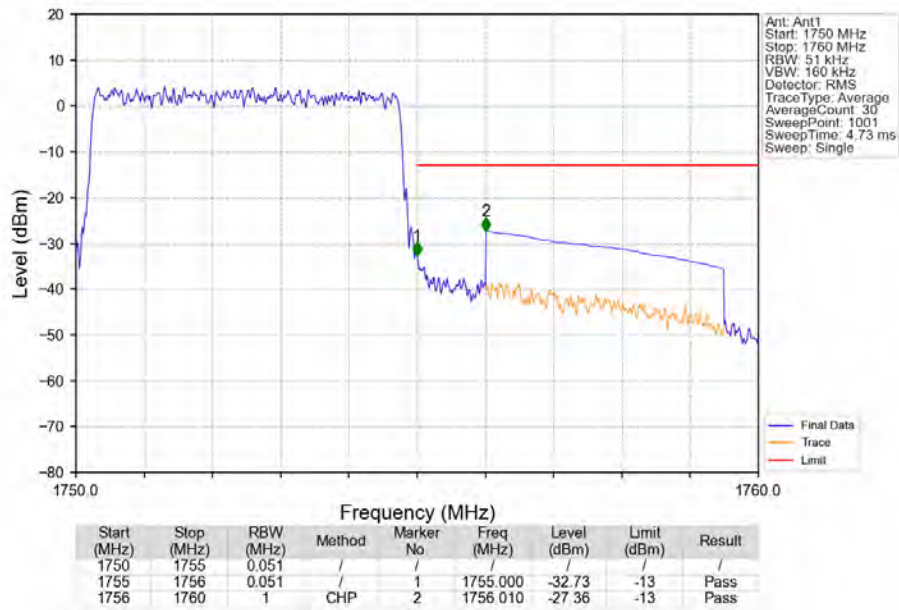
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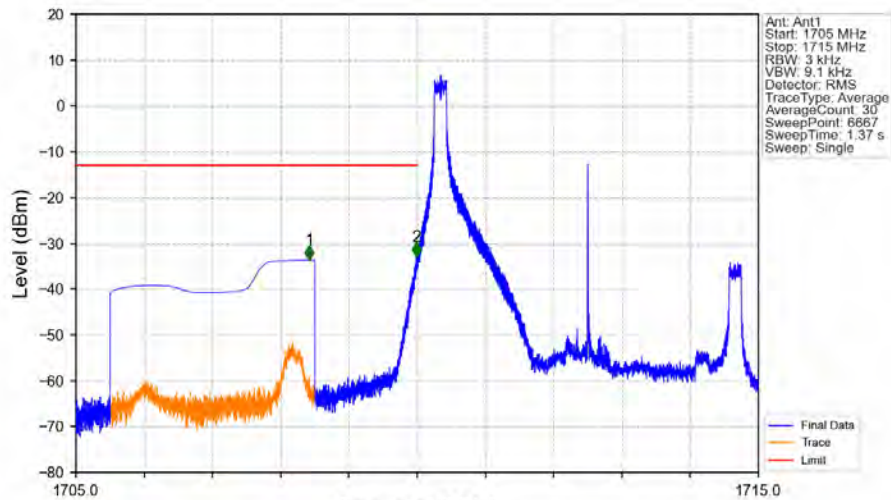
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Band4_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.419	-33.66	-13	Pass
1709	1710	0.003	/	2	1709.986	-32.96	-13	Pass
1710	1715	0.003	/	/	/	/	/	/



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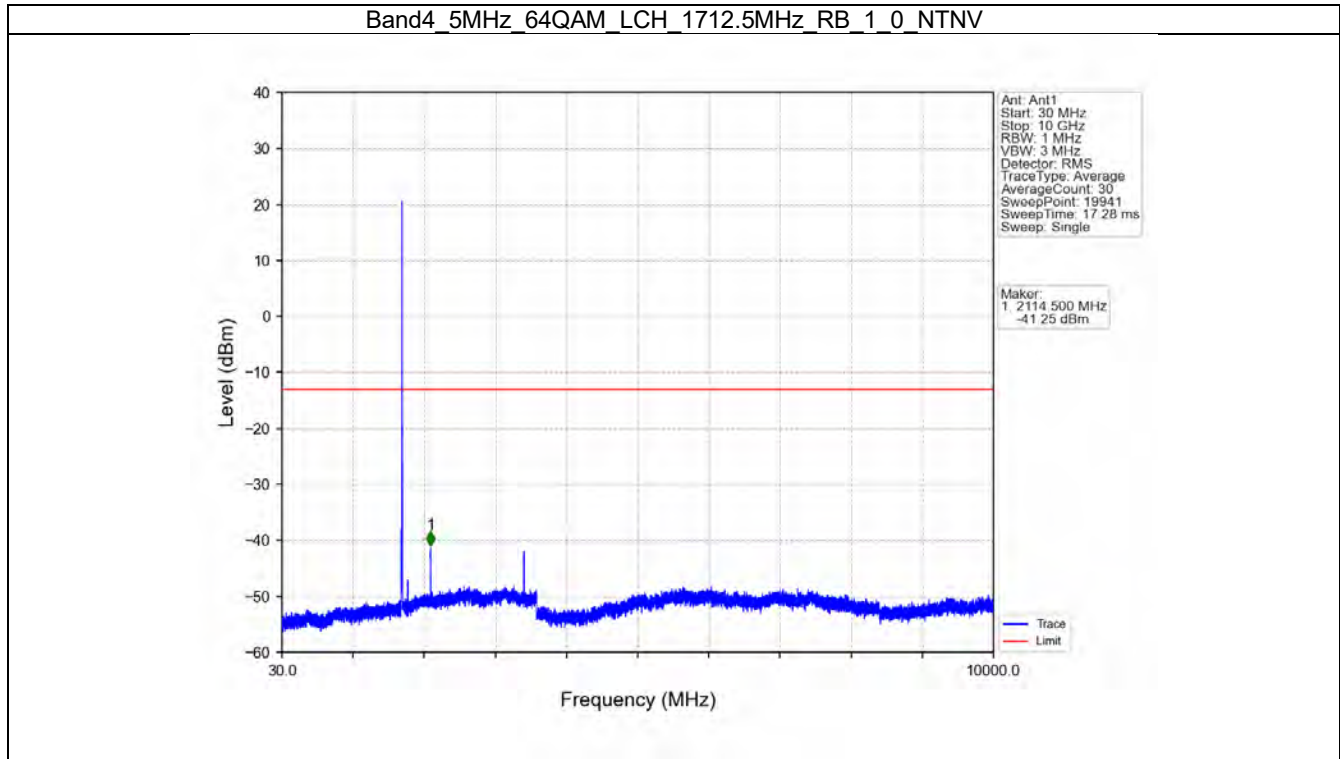


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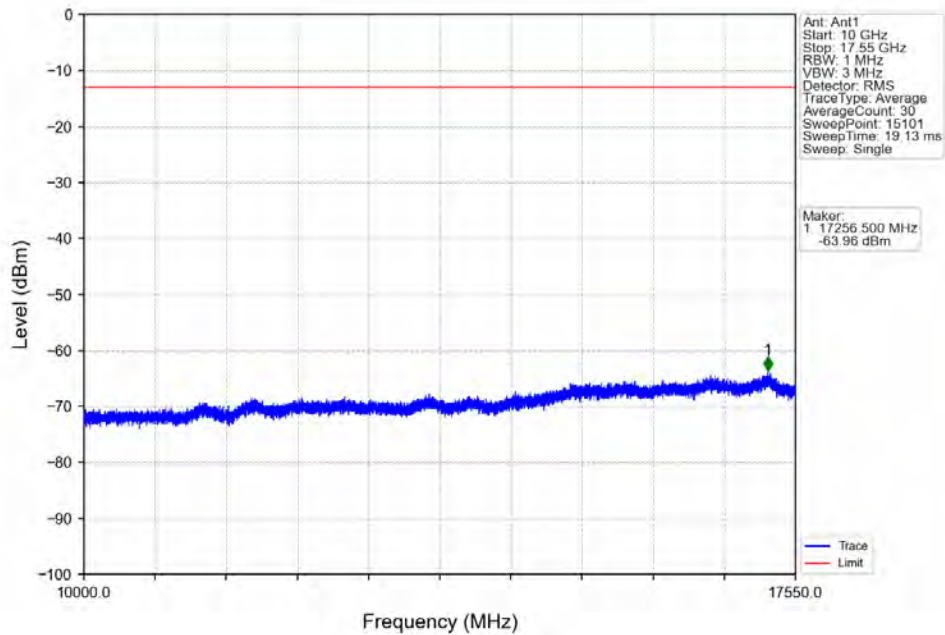
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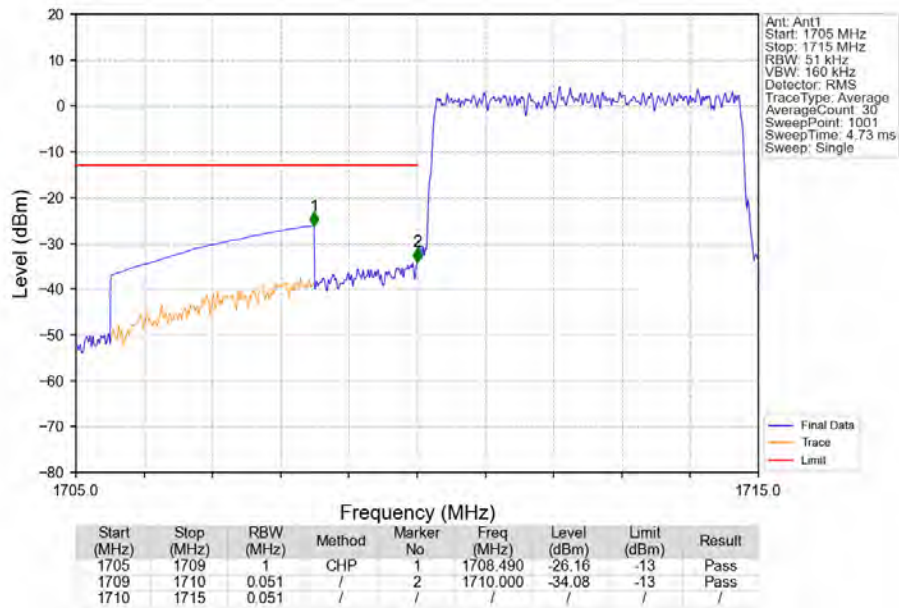
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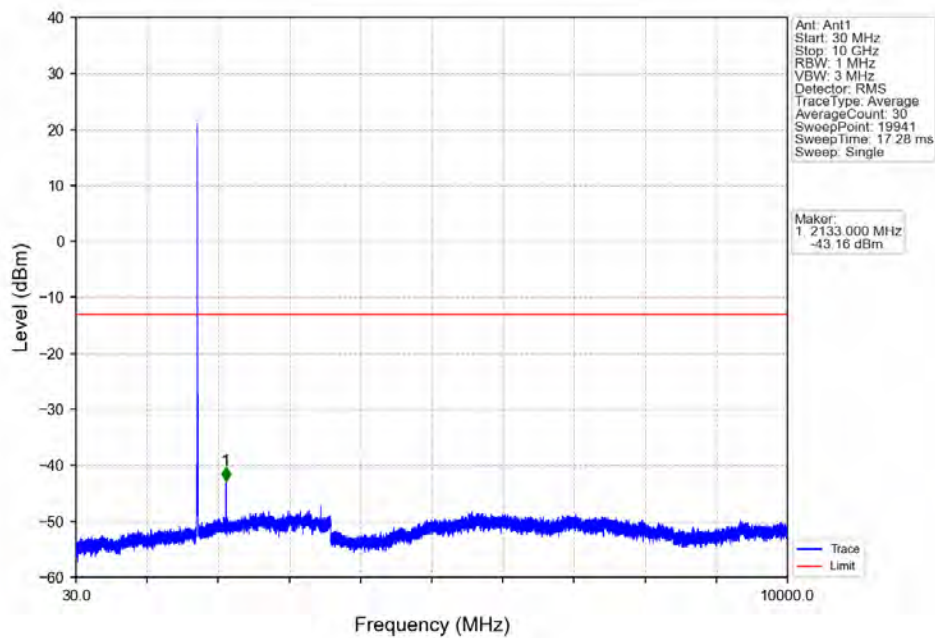
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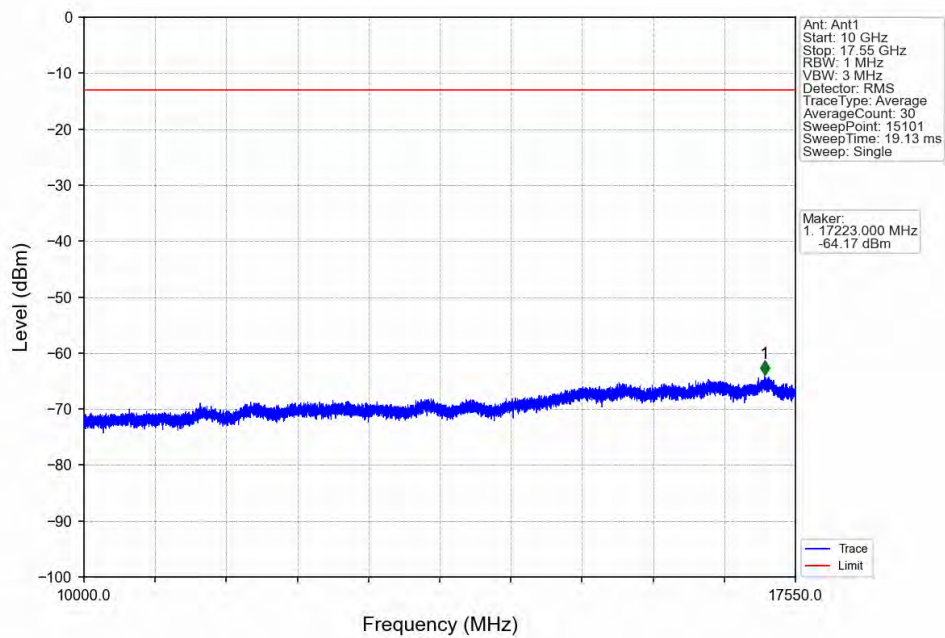
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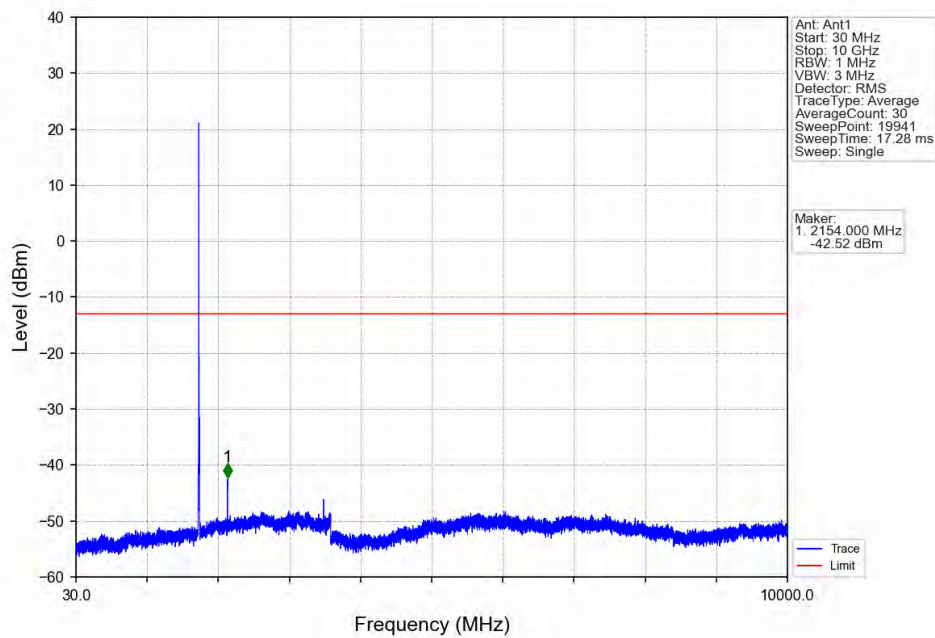
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Band4_5MHz_64QAM_HCH_1752.5MHz_RB_1_0_NTNV



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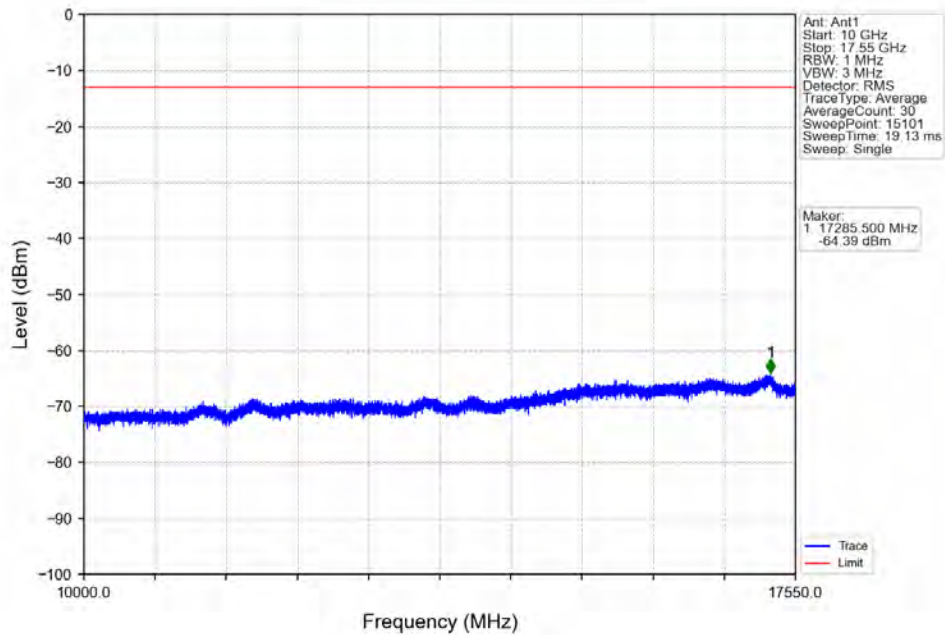
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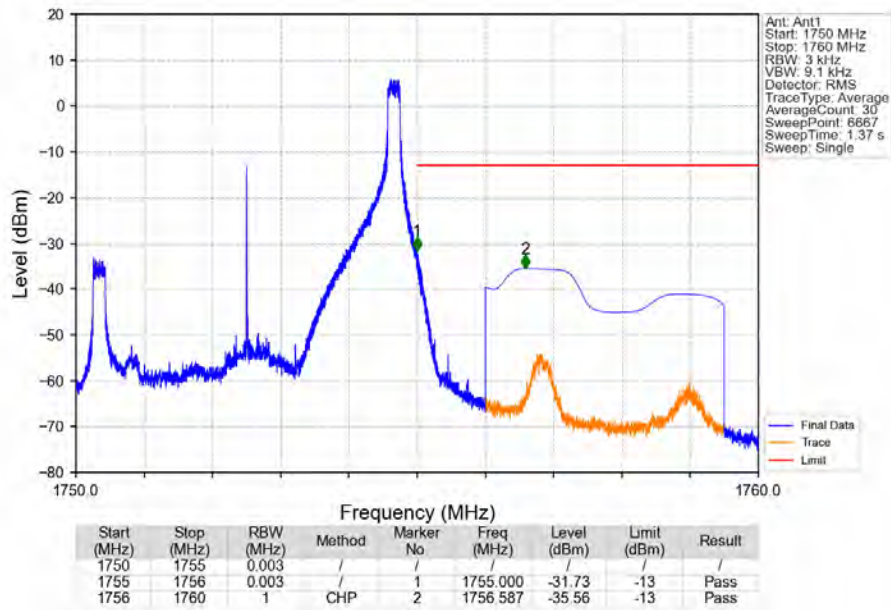
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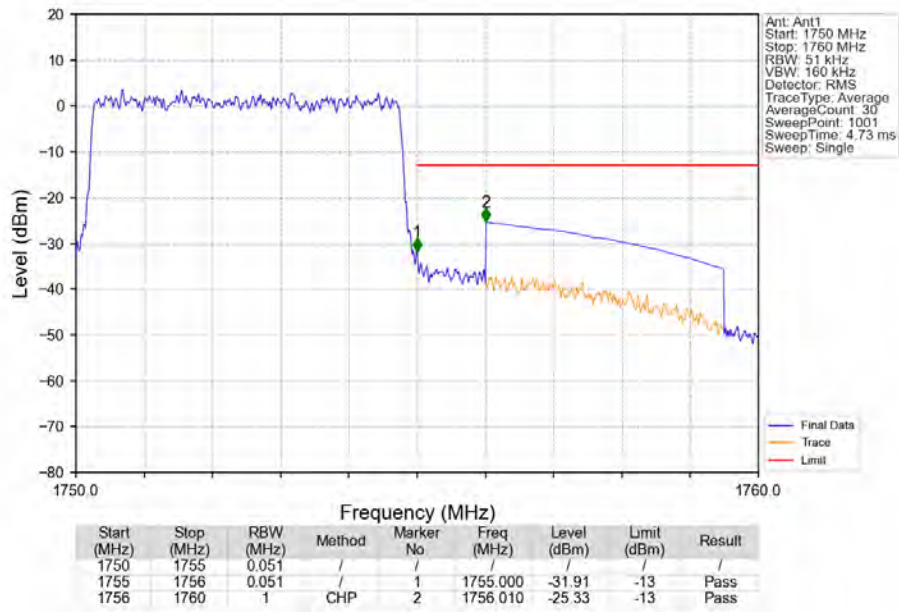
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5.4 B4_10MHz

5.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
		1	0	Refer To Test Graph	Pass
	1750	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
	1732.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	1750	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
	1732.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	1750	1	49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass



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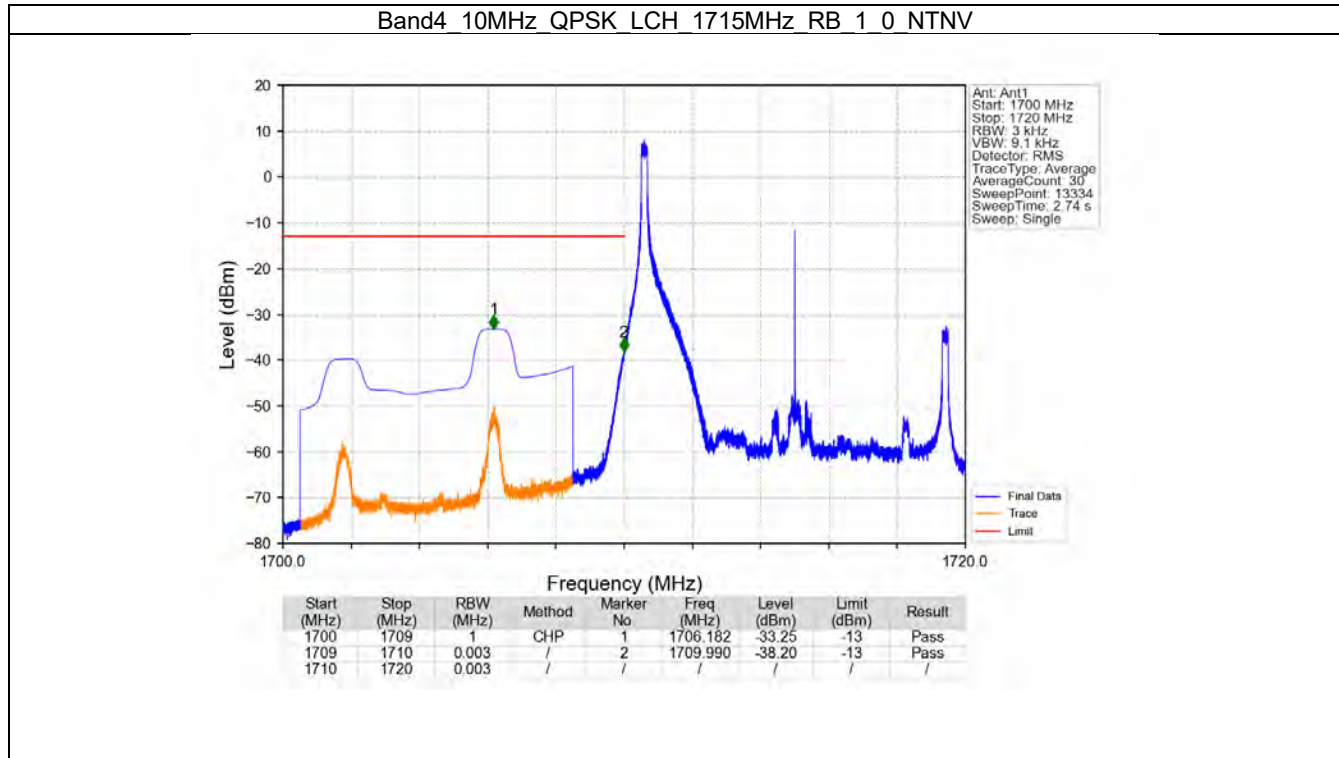
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5.4.2 Test Graph



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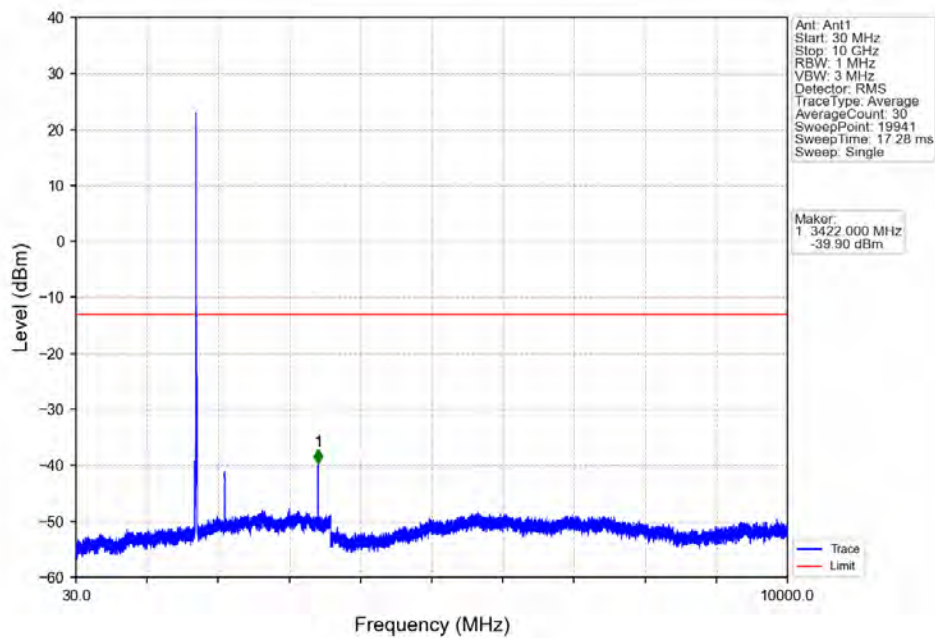
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Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



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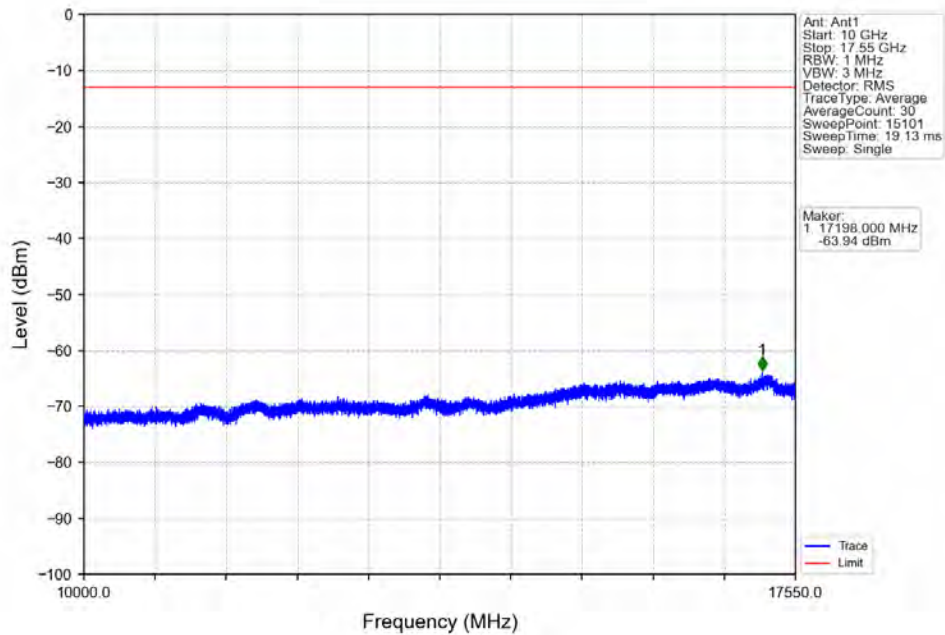
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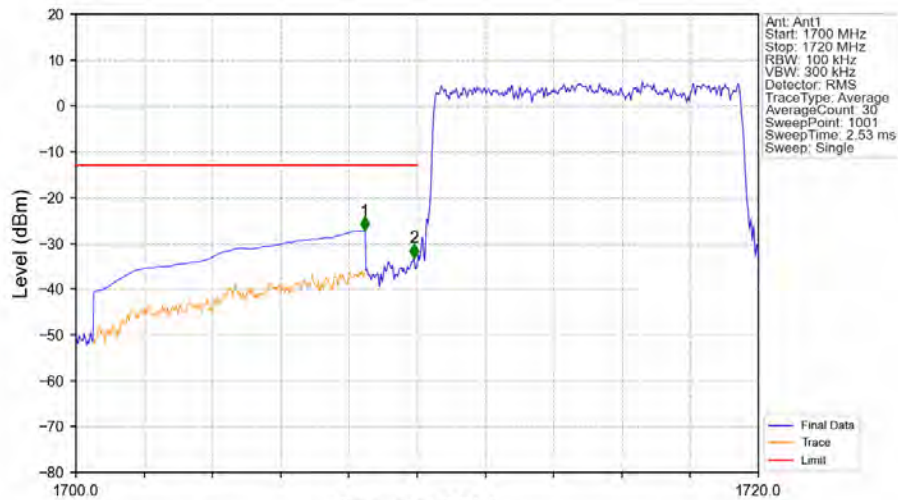
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Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.460	-27.31	-13	Pass
1709	1710	0.1	/	2	1709.900	-33.20	-13	Pass
1710	1720	0.1	/	/	/	/	/	/



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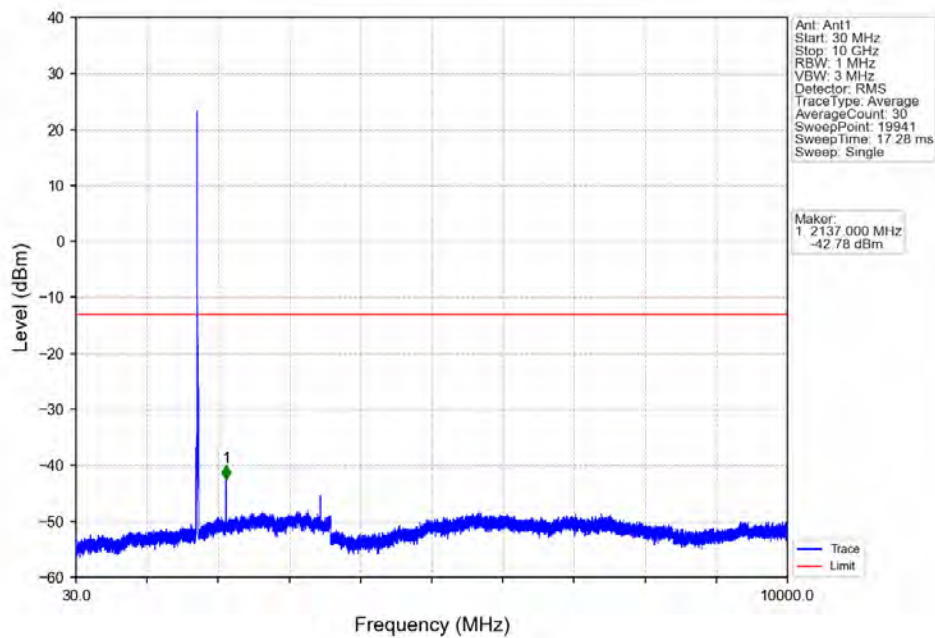
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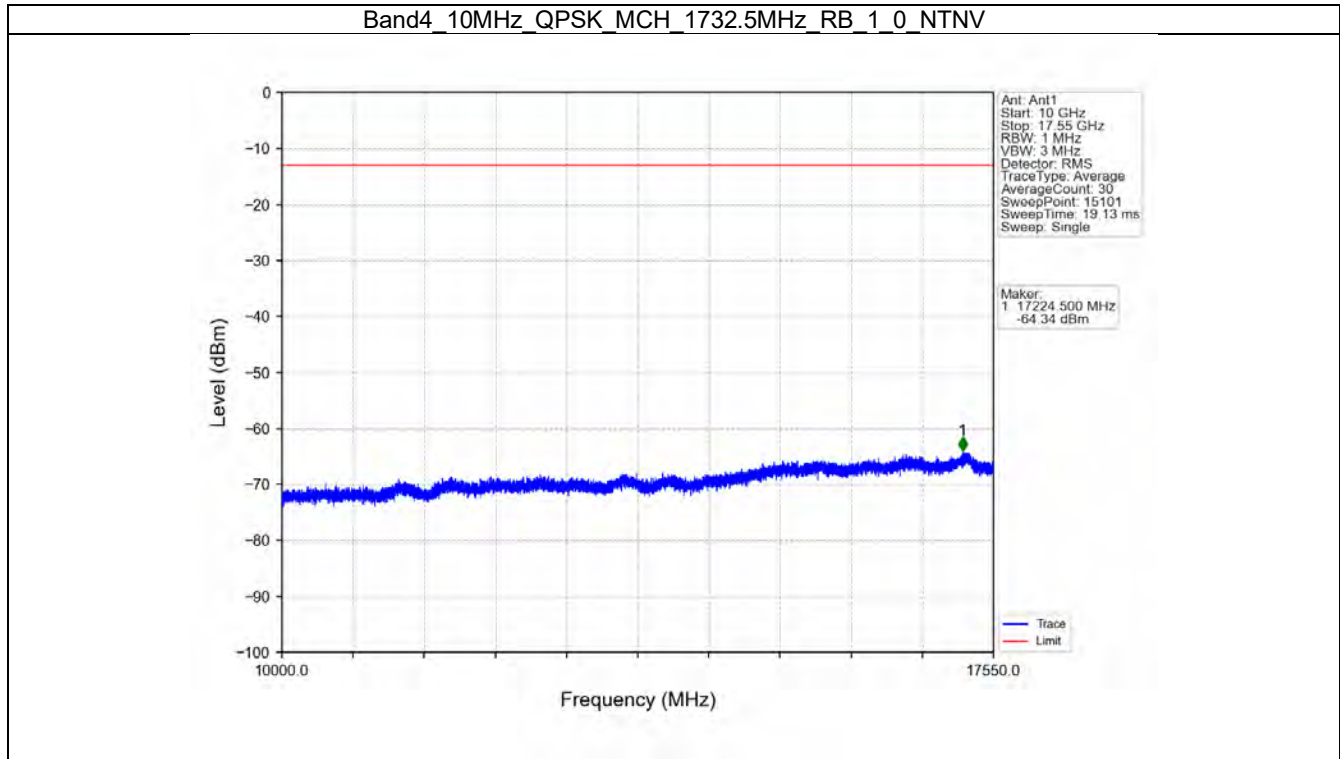


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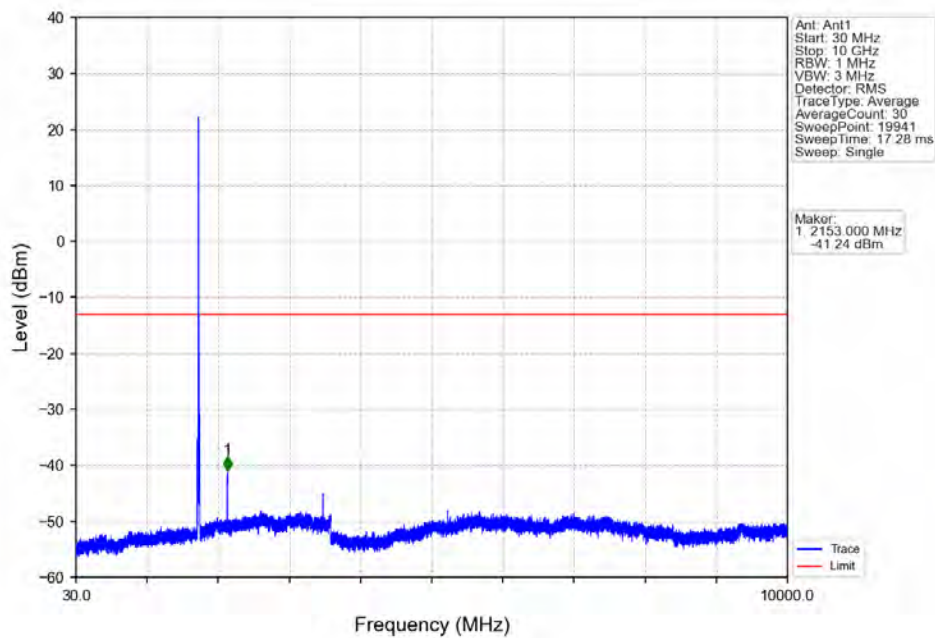
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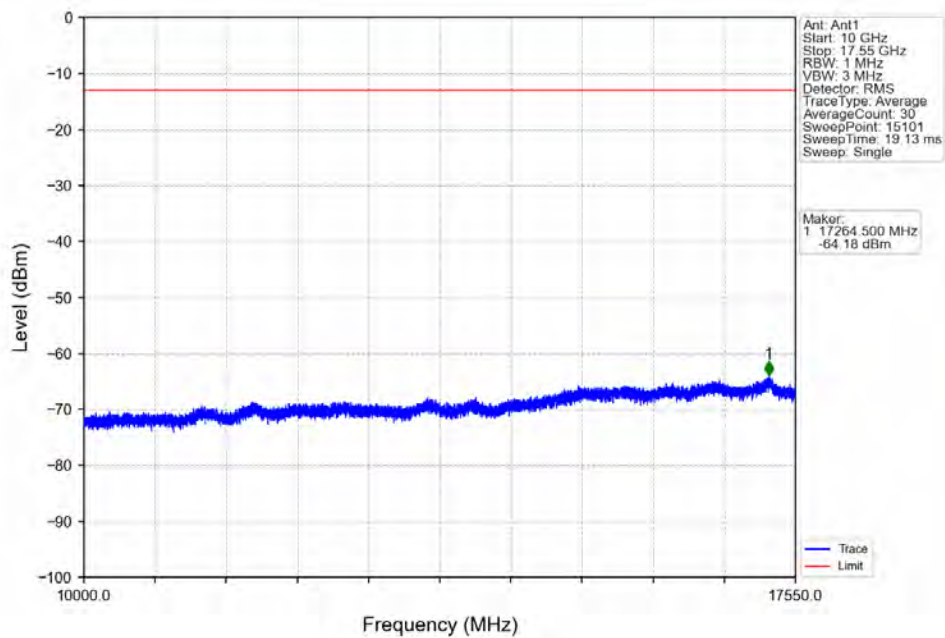
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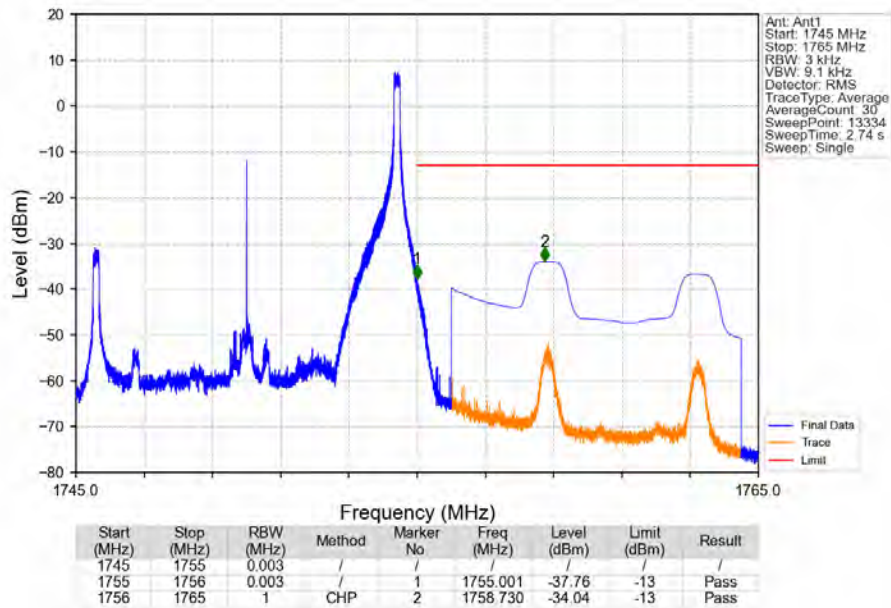
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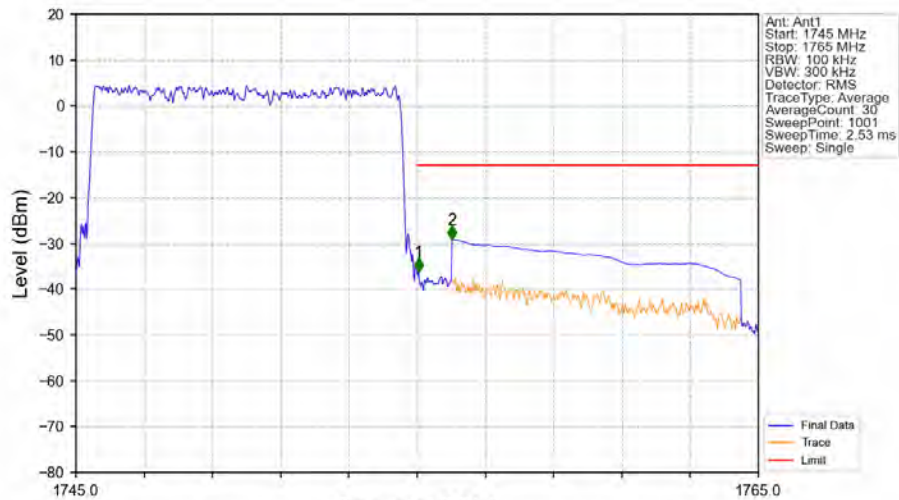
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Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.1	/	/	/	/	/	/
1755	1756	0.1	/	1	1755.040	-36.34	-13	Pass
1756	1765	1	CHP	2	1756.020	-29.17	-13	Pass



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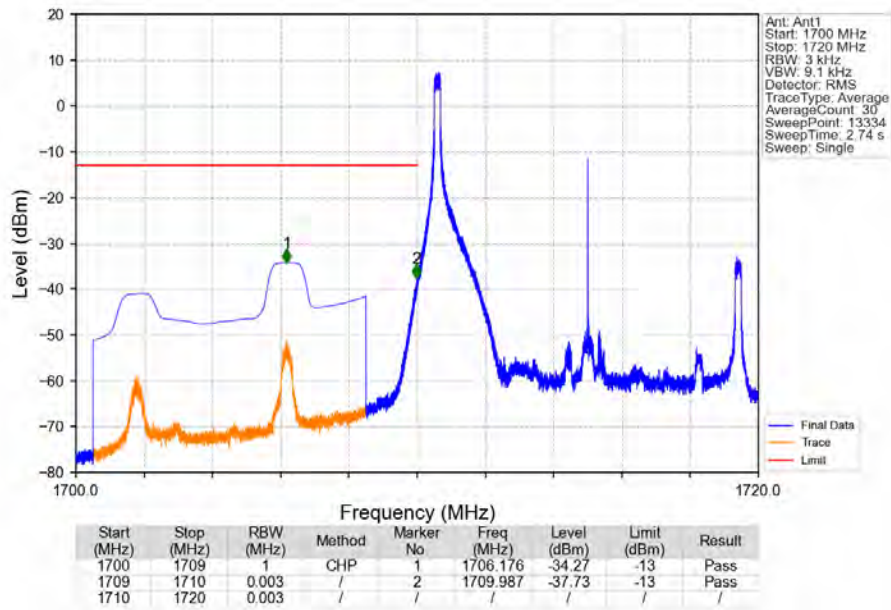
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Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



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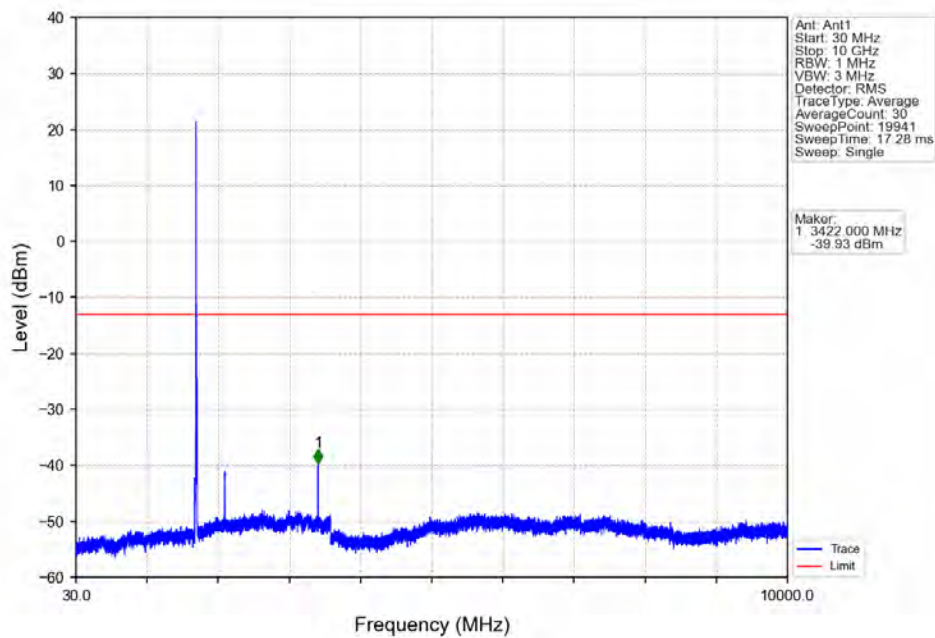
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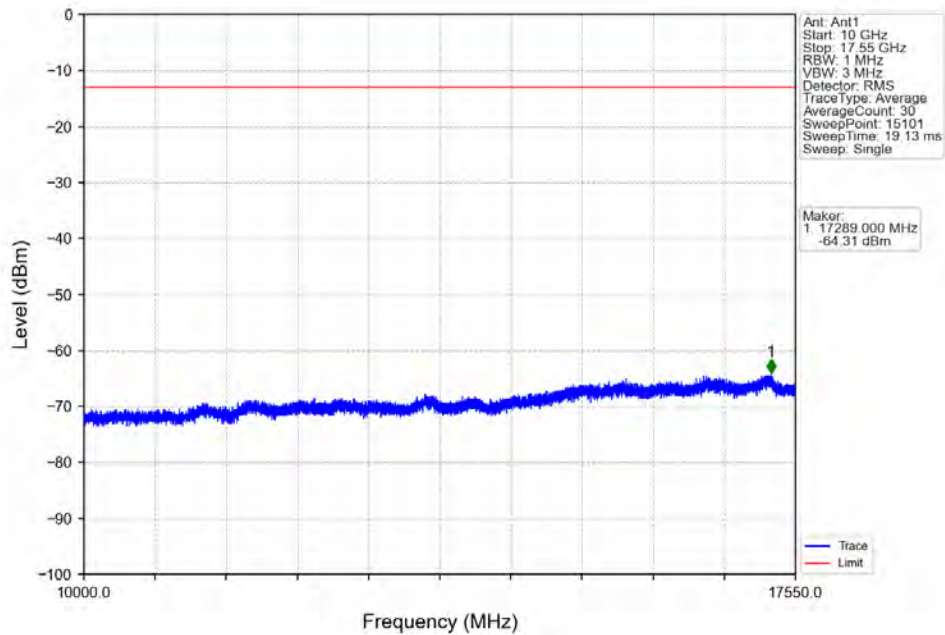
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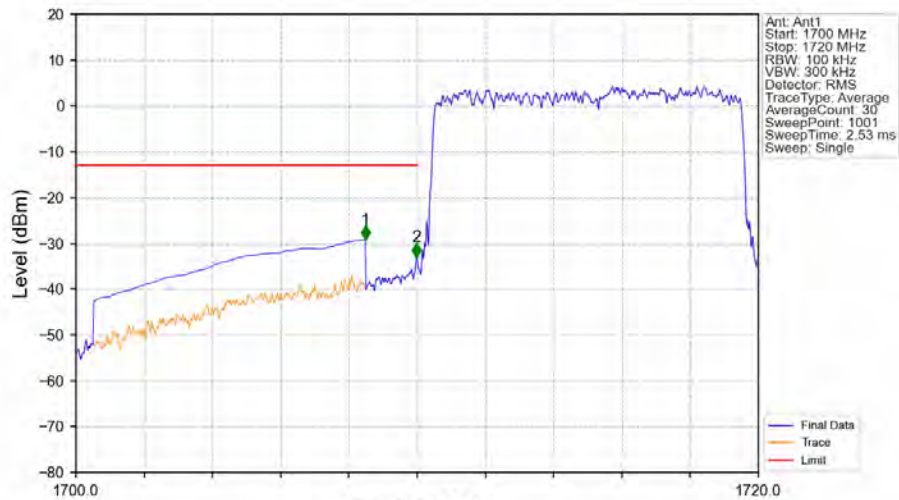
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Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-29.18	-13	Pass
1709	1710	0.1	/	2	1709.980	-33.01	-13	Pass
1710	1720	0.1	/	/	/	/	/	/



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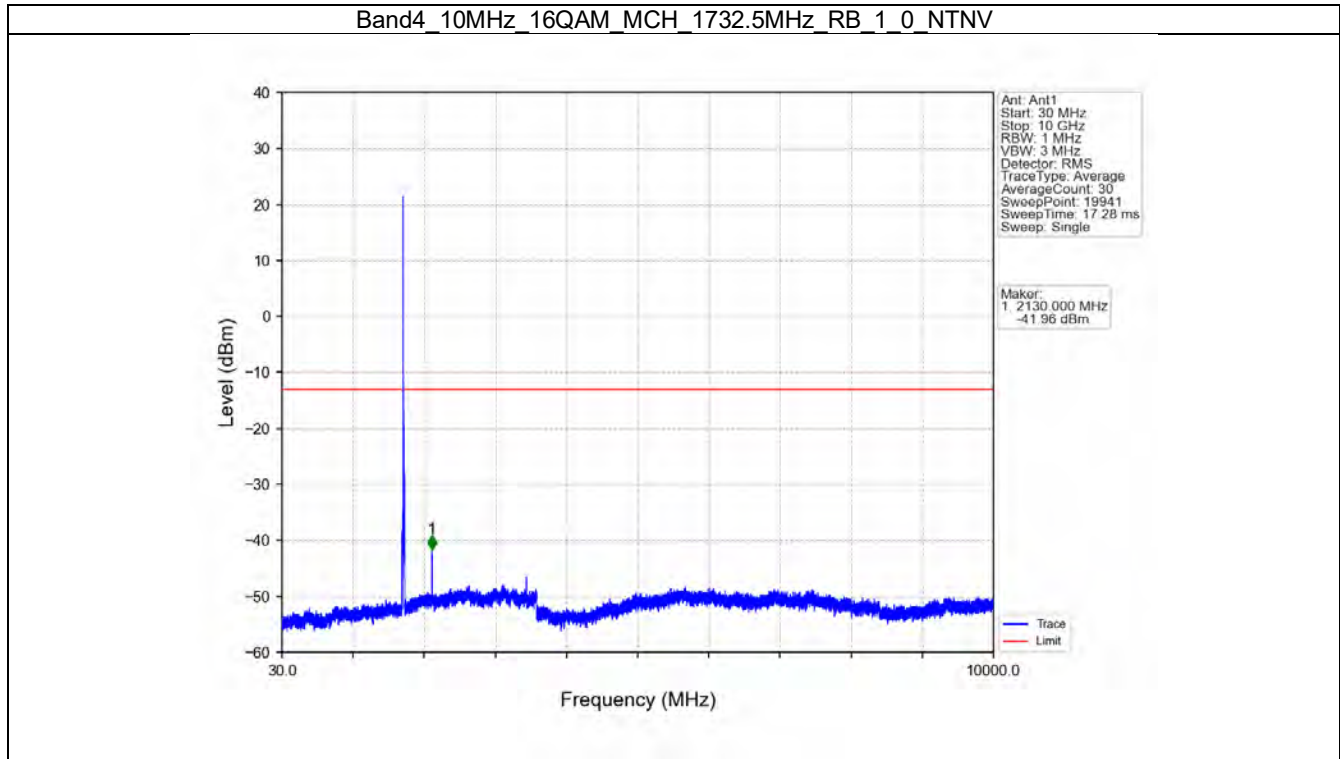


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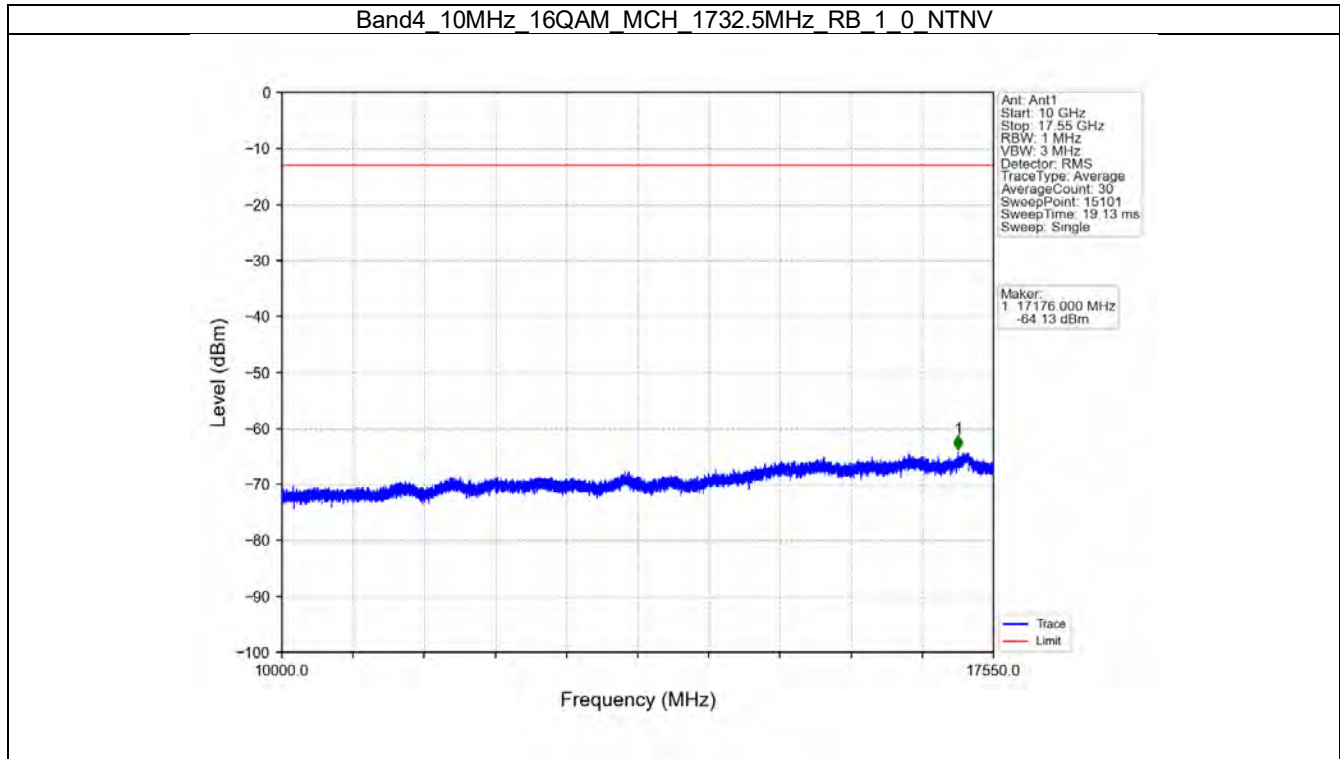


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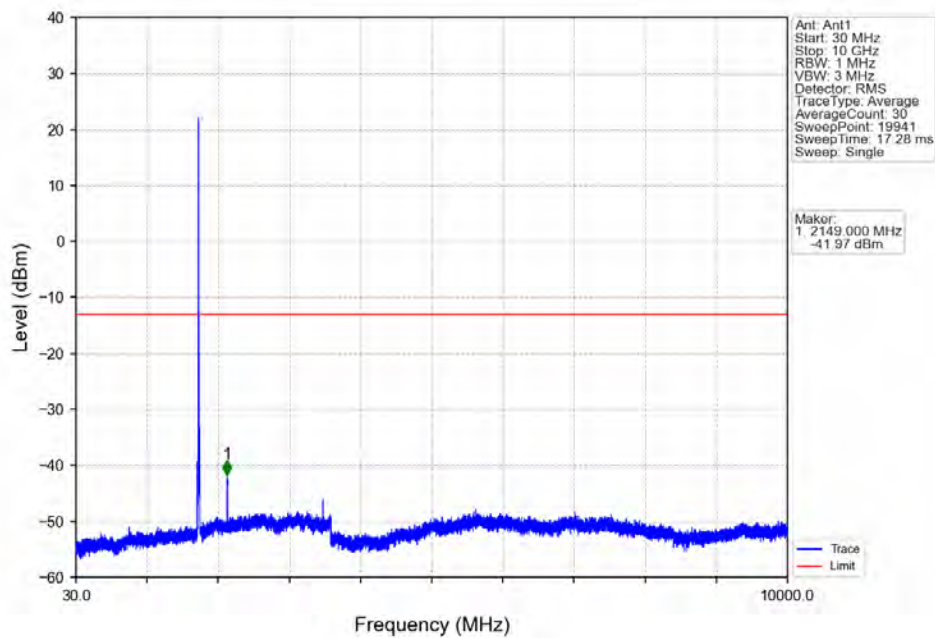
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Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



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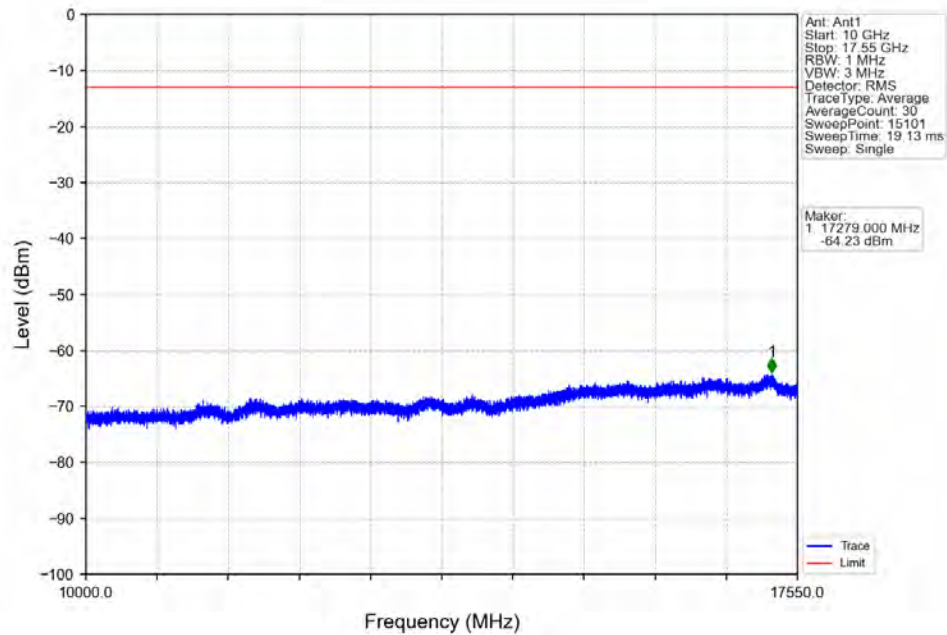
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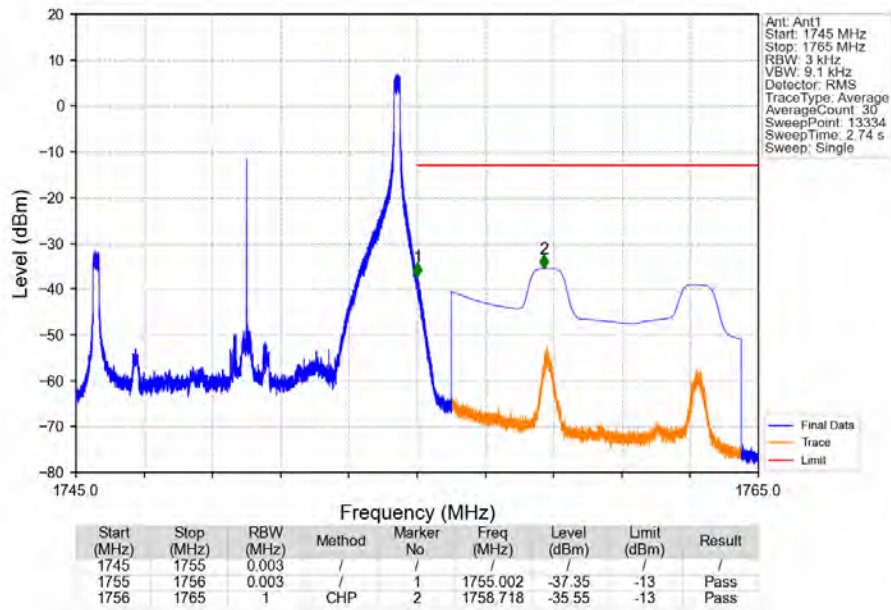
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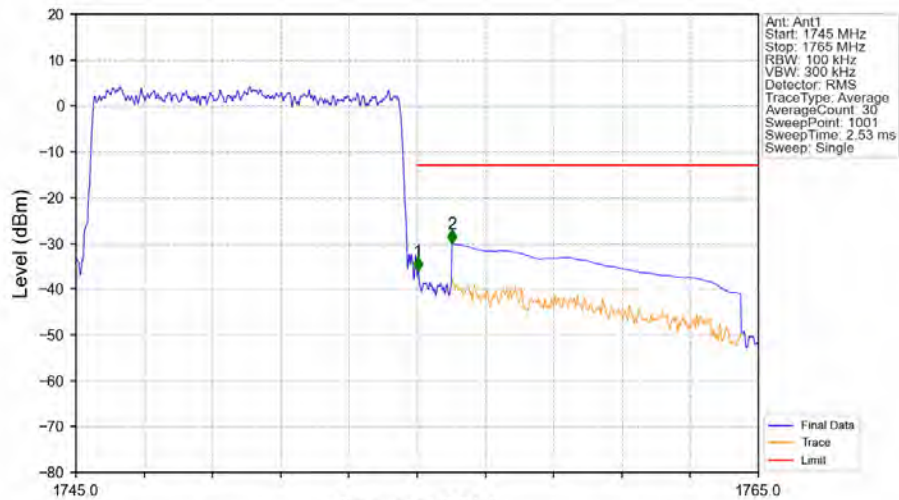
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Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.1	/	/	/	/	/	/
1755	1756	0.1	/	1	1755.020	-36.12	-13	Pass
1756	1765	1	CHP	2	1756.020	-30.15	-13	Pass



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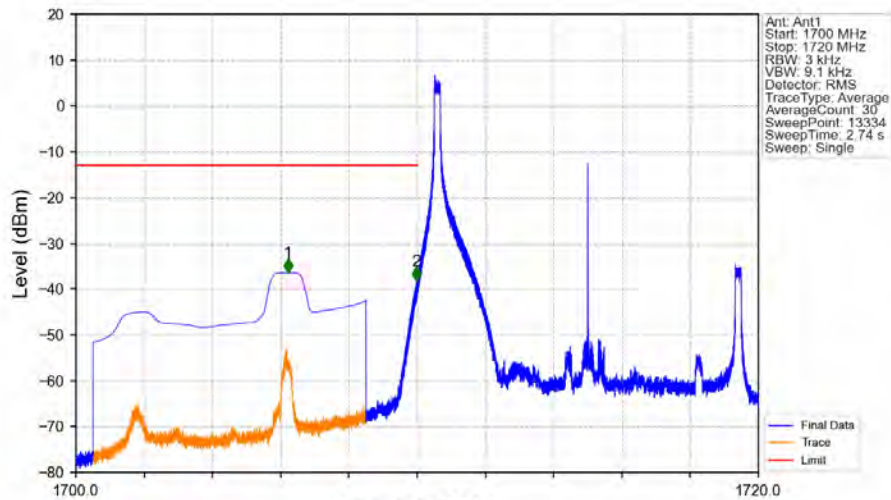
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Band4_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1706.216	-36.42	-13	Pass
1709	1710	0.003	/	2	1709.987	-38.22	-13	Pass
1710	1720	0.003	/	/	/	/	/	/



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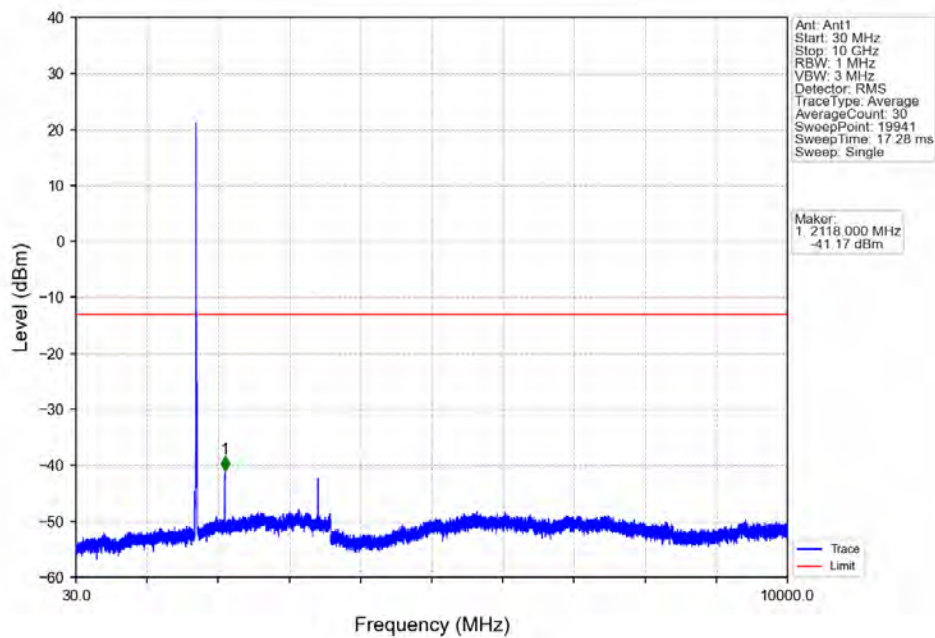
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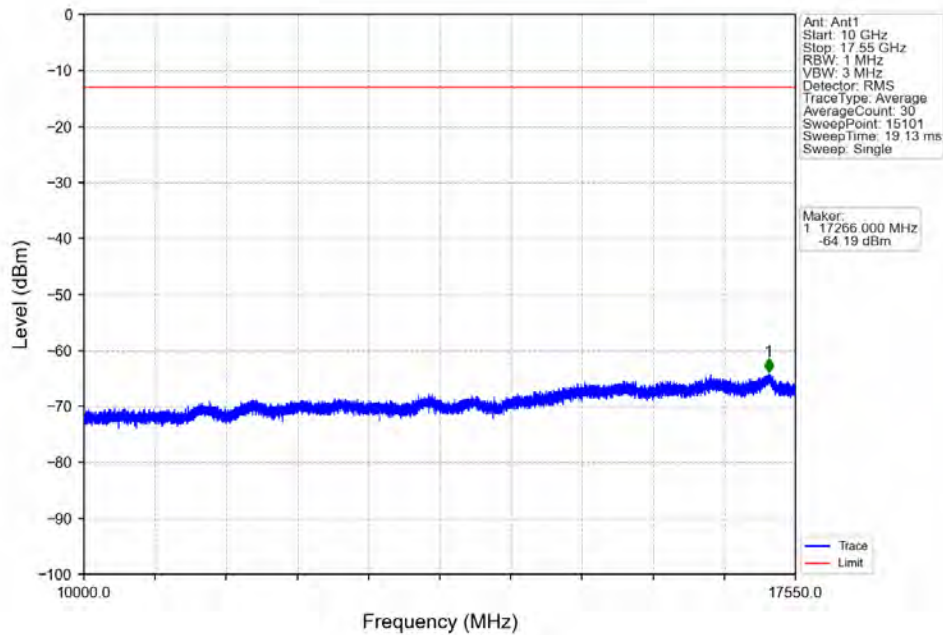
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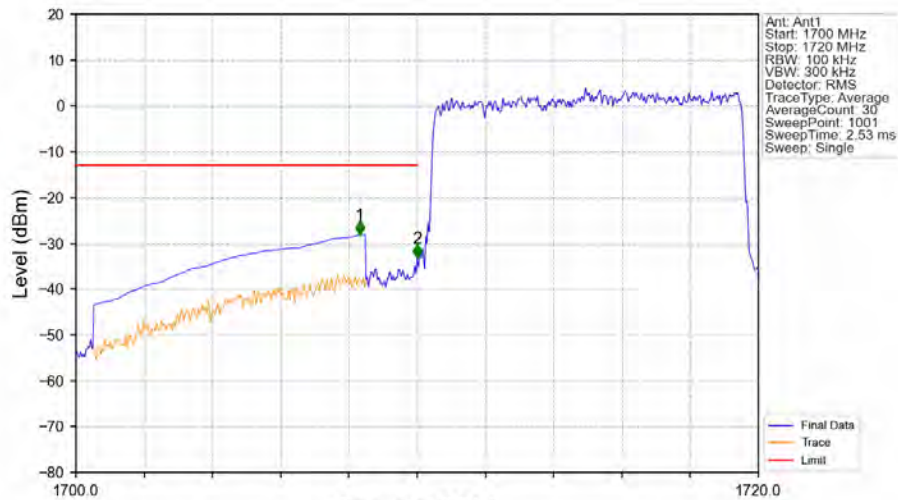
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Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.320	-28.13	-13	Pass
1709	1710	0.1	/	2	1710.000	-33.22	-13	Pass
1710	1720	0.1	/	/	/	/	/	/



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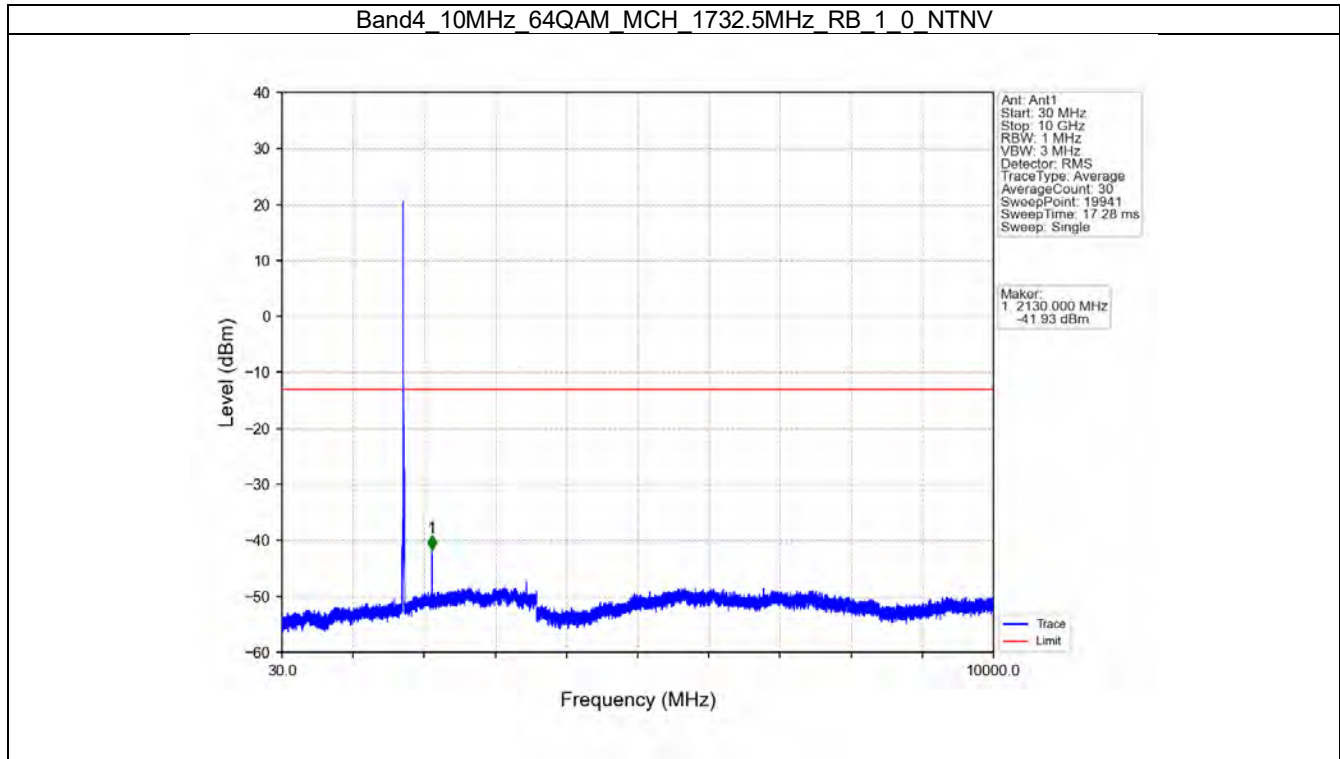


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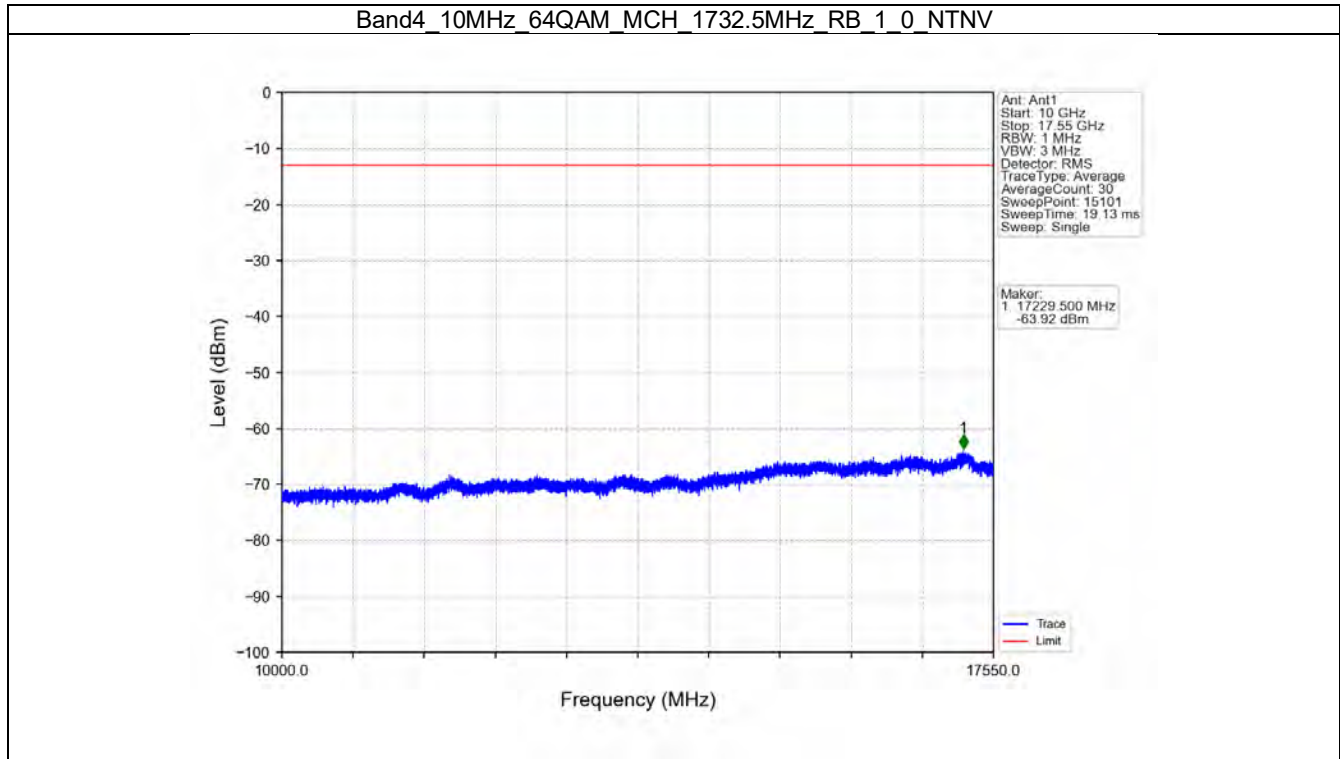


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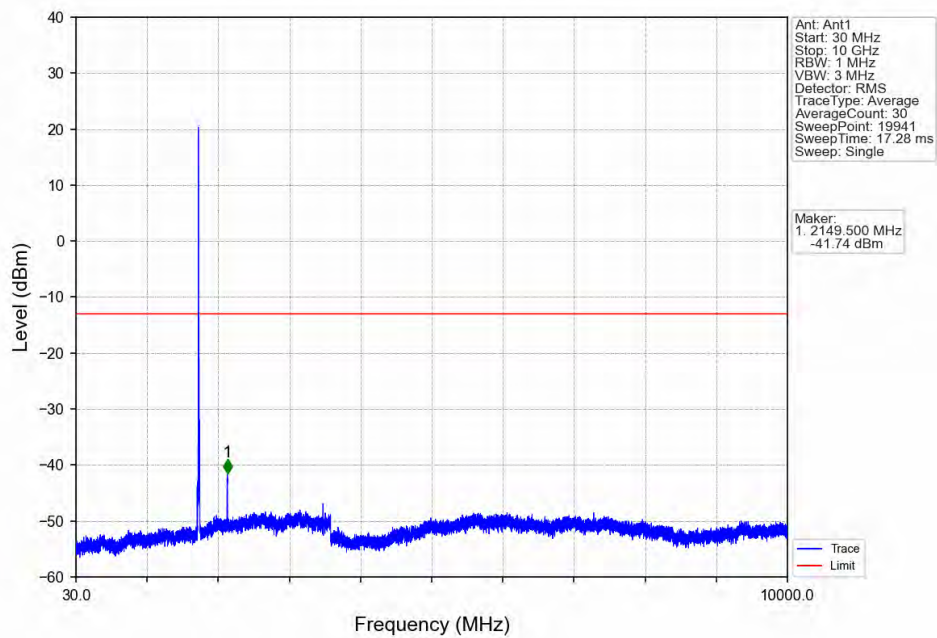
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Band4_10MHz_64QAM_HCH_1750MHz_RB_1_0_NTNV



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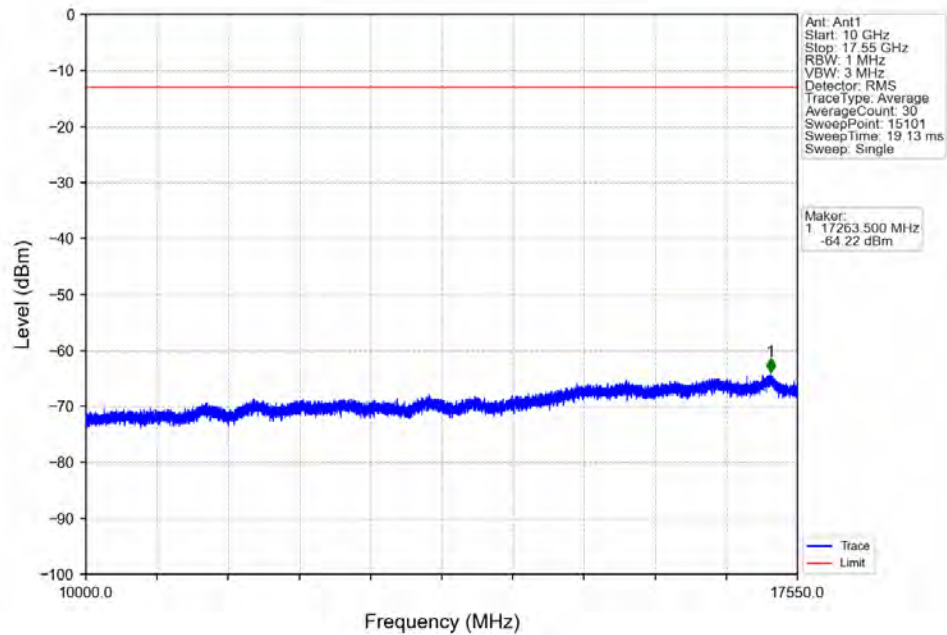
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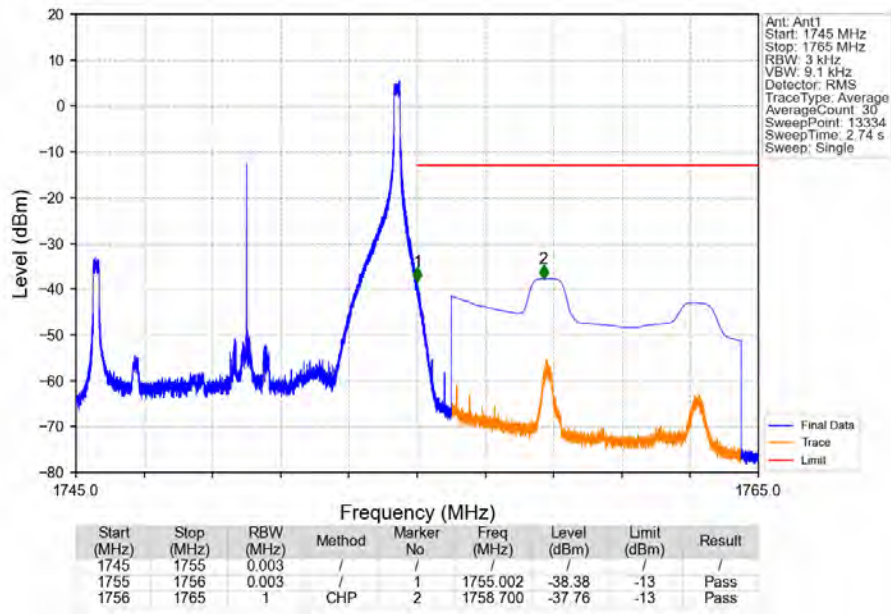
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Band4_10MHz_64QAM_HCH_1750MHz_RB_1_49_NTNV



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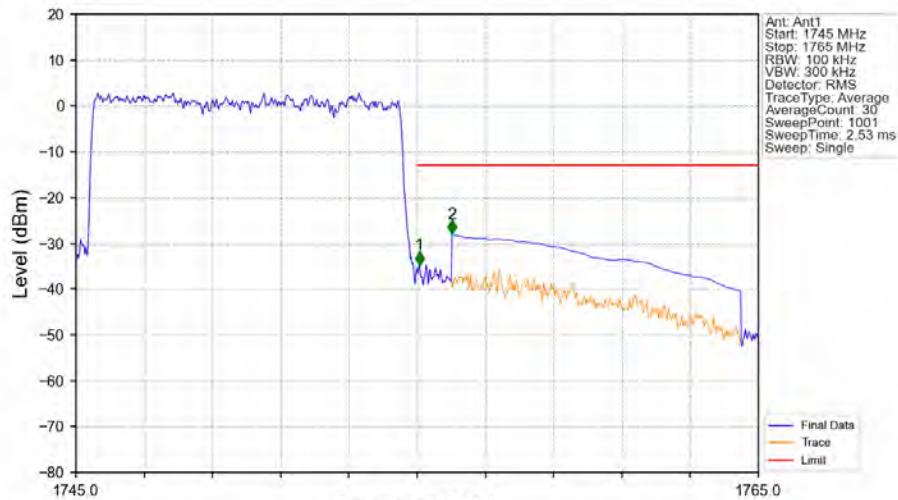
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Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.1	/	/	/	/	/	/
1755	1756	0.1	/	1	1755.060	-34.78	-13	Pass
1756	1765	1	CHP	2	1756.020	-28.00	-13	Pass



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5.5 B4_15MHz

5.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
		1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
			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
		1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
			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
		1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass



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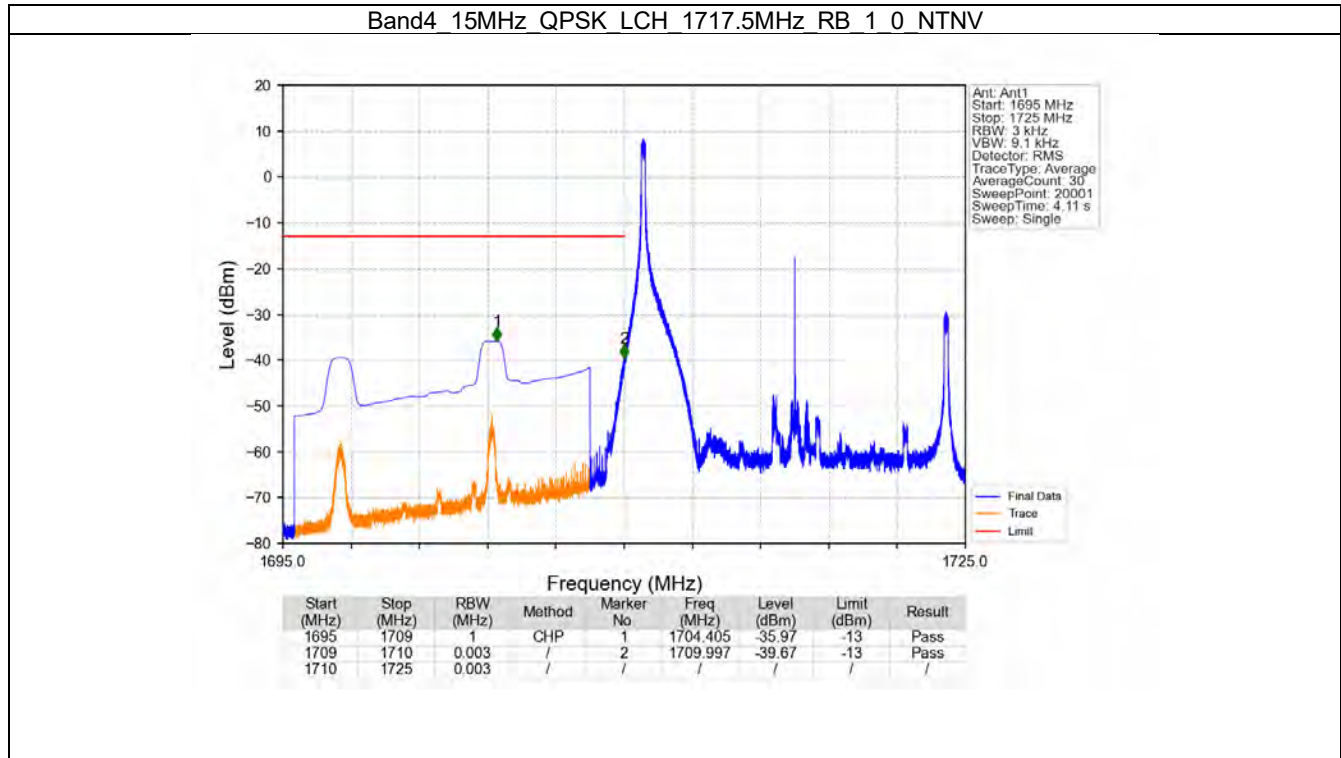
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5.5.2 Test Graph



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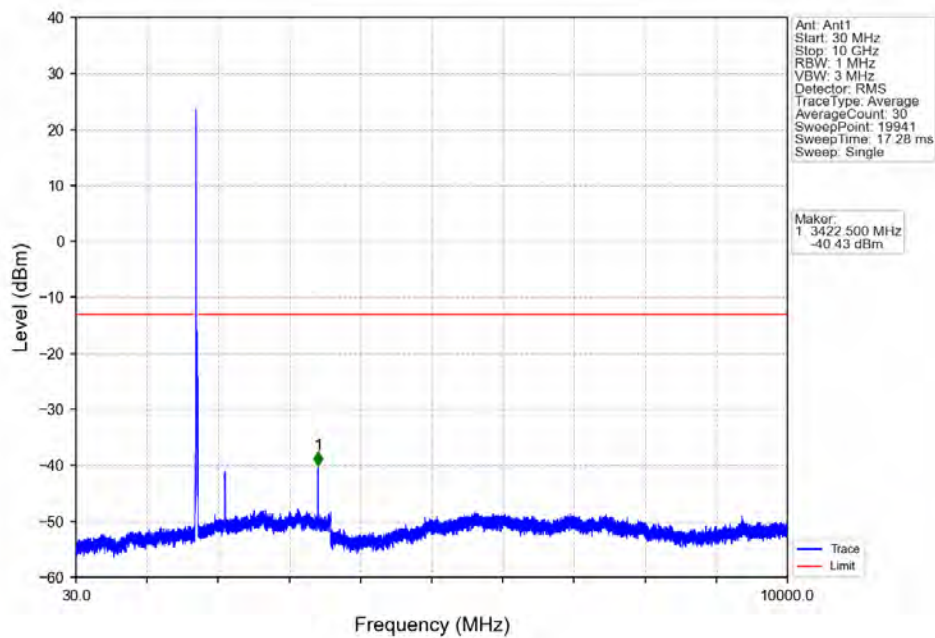
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Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



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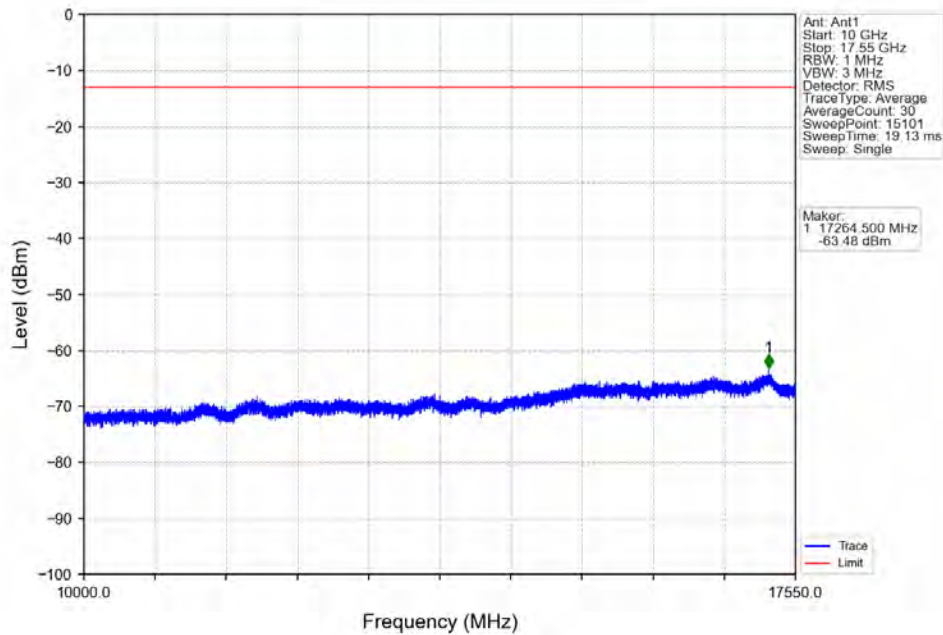
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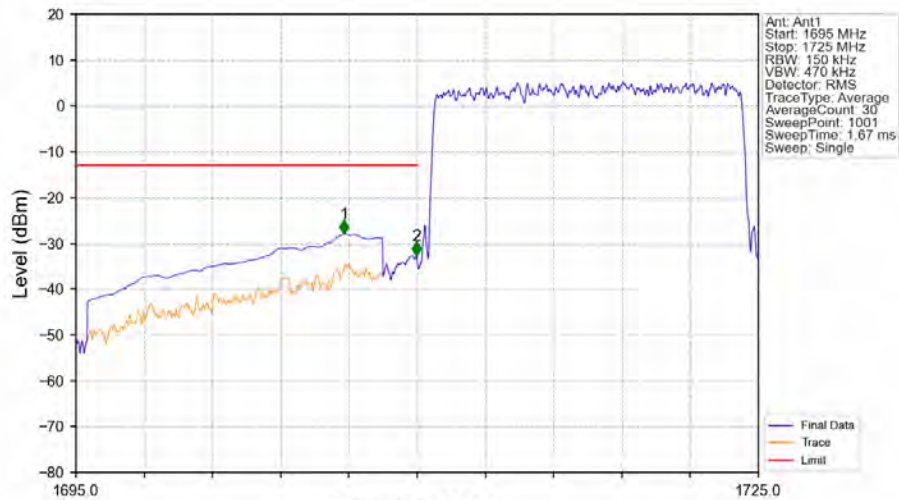
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Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1706.790	-27.99	-13	Pass
1709	1710	0.15	/	2	1709.970	-32.73	-13	Pass
1710	1725	0.15	/	/	/	/	/	/



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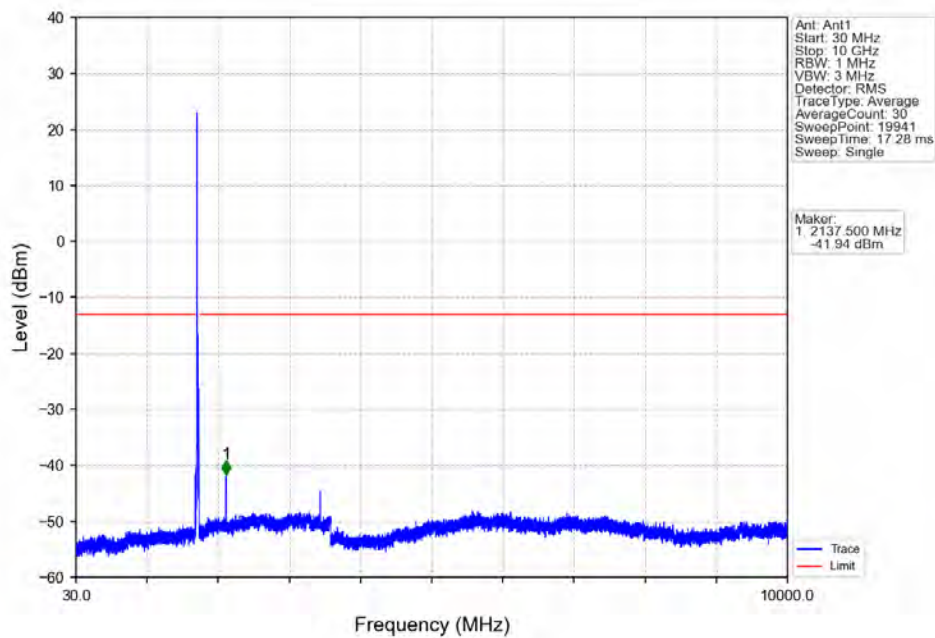
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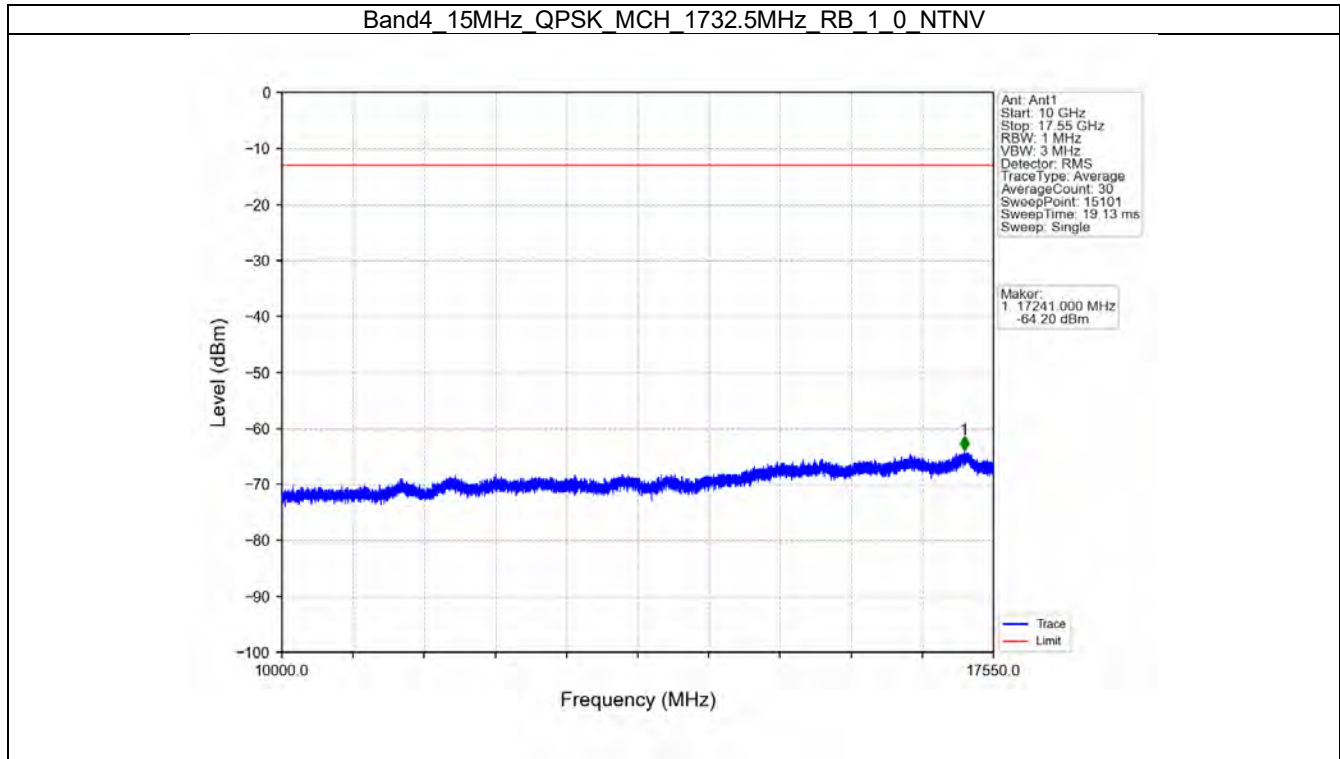


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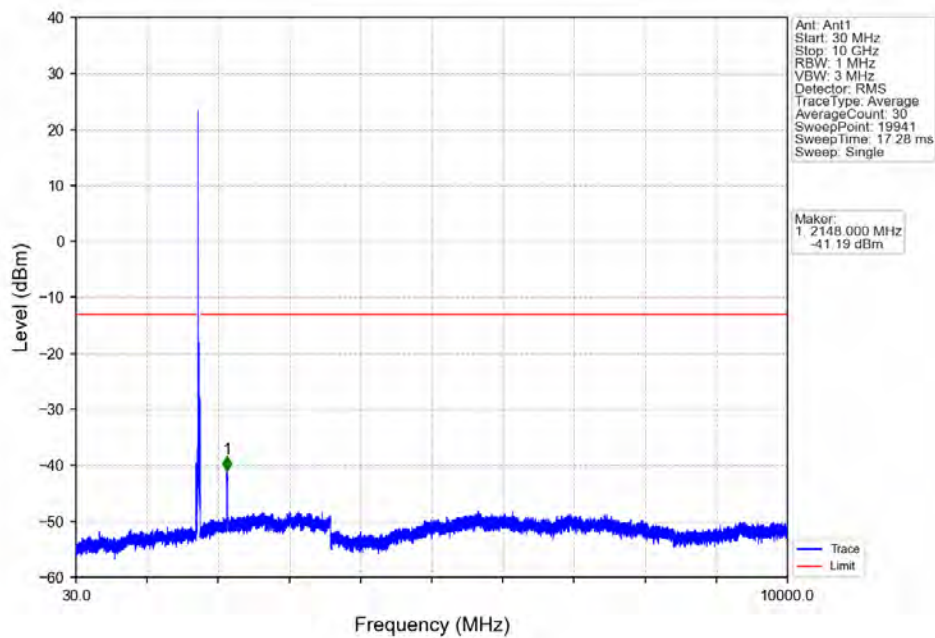
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



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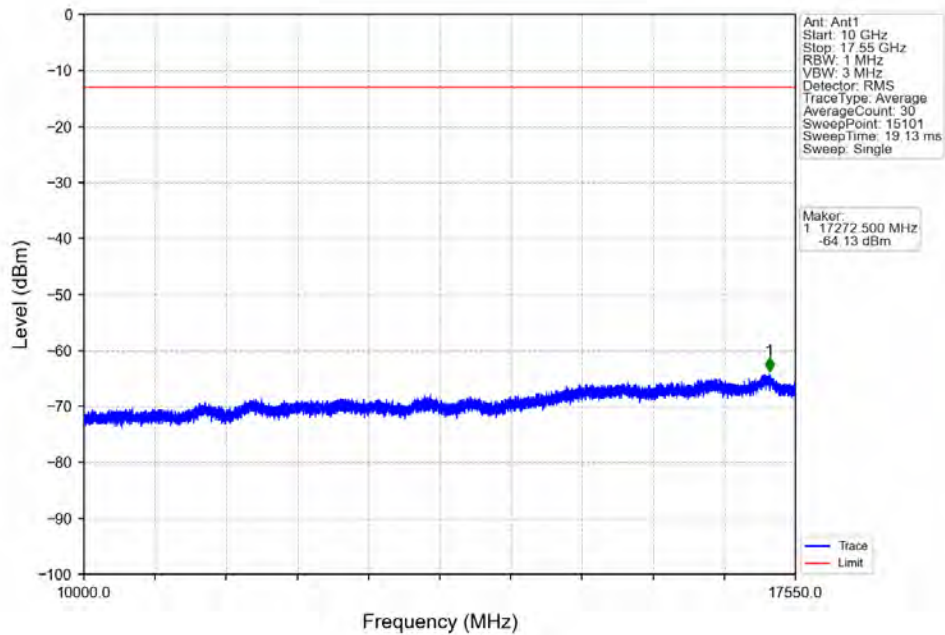
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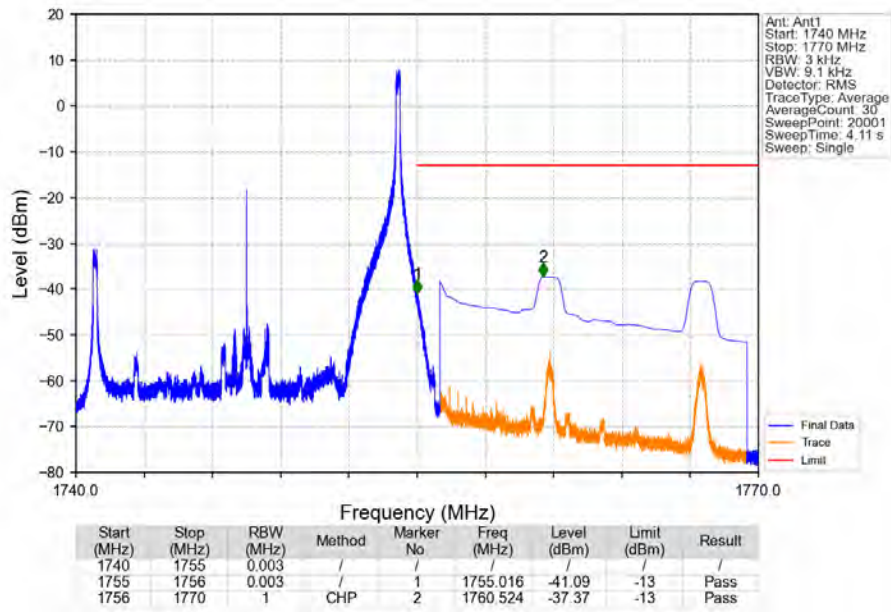
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



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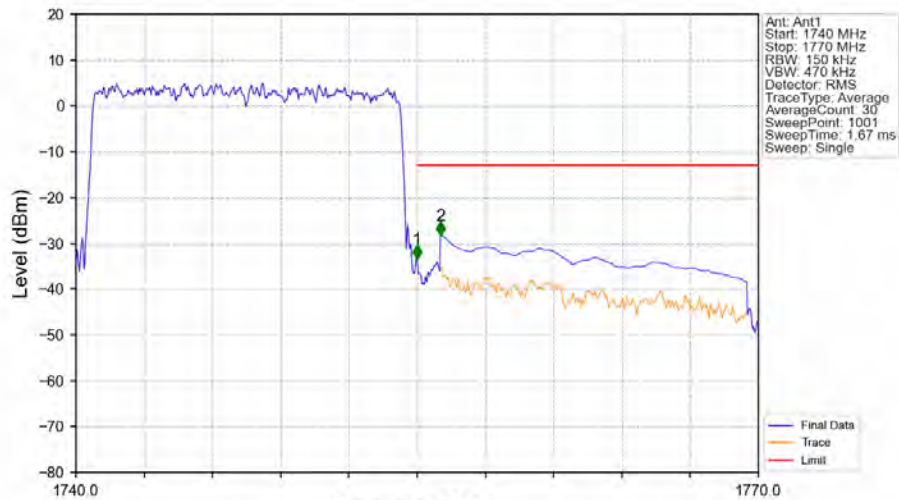
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.15	/	/	/	/	/	/
1755	1756	0.15	/	1	1755.000	-33.51	-13	Pass
1756	1770	1	CHP	2	1756.020	-28.37	-13	Pass



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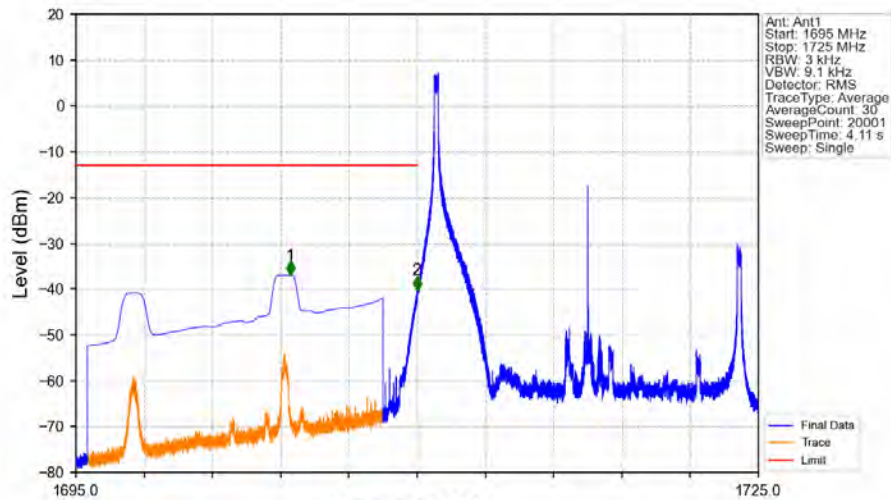
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Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1704.428	-36.93	-13	Pass
1709	1710	0.003	/	2	1709.988	-40.24	-13	Pass
1710	1725	0.003	/	/	/	/	/	/



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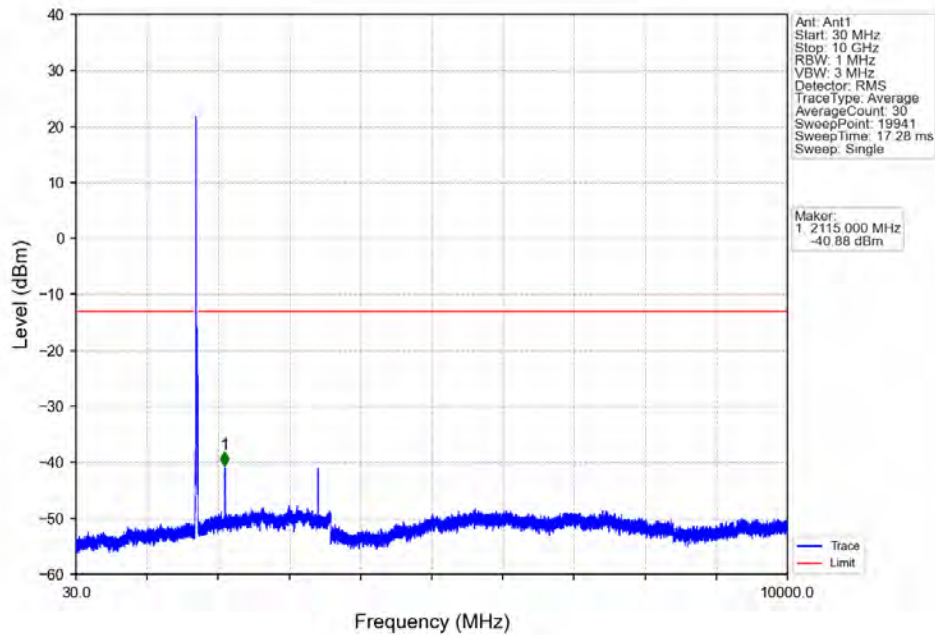
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Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



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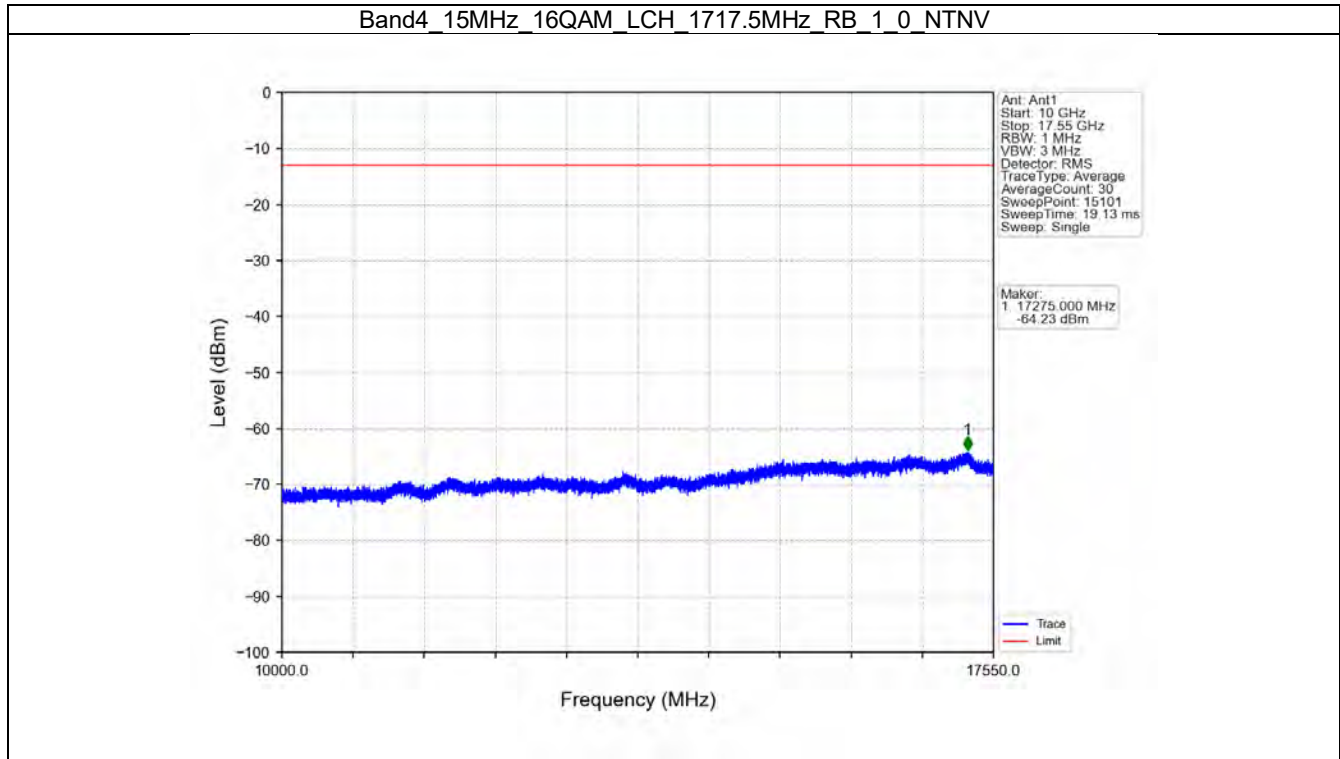


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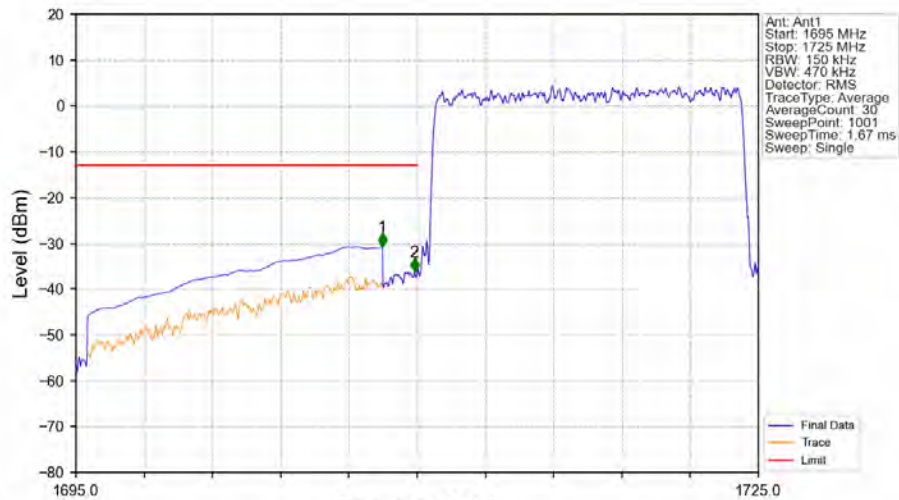
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Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.470	-30.76	-13	Pass
1709	1710	0.15	/	2	1709.880	-36.21	-13	Pass
1710	1725	0.15	/	/	/	/	/	/



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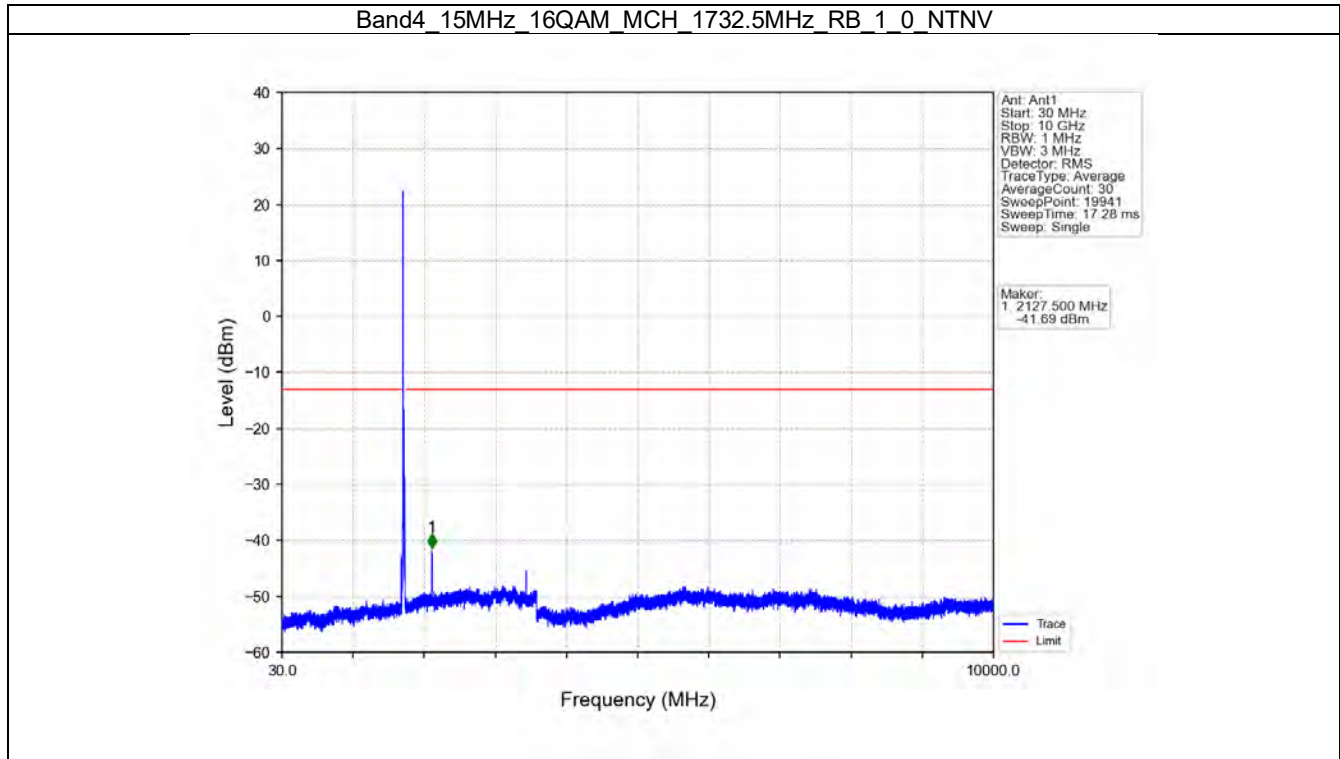


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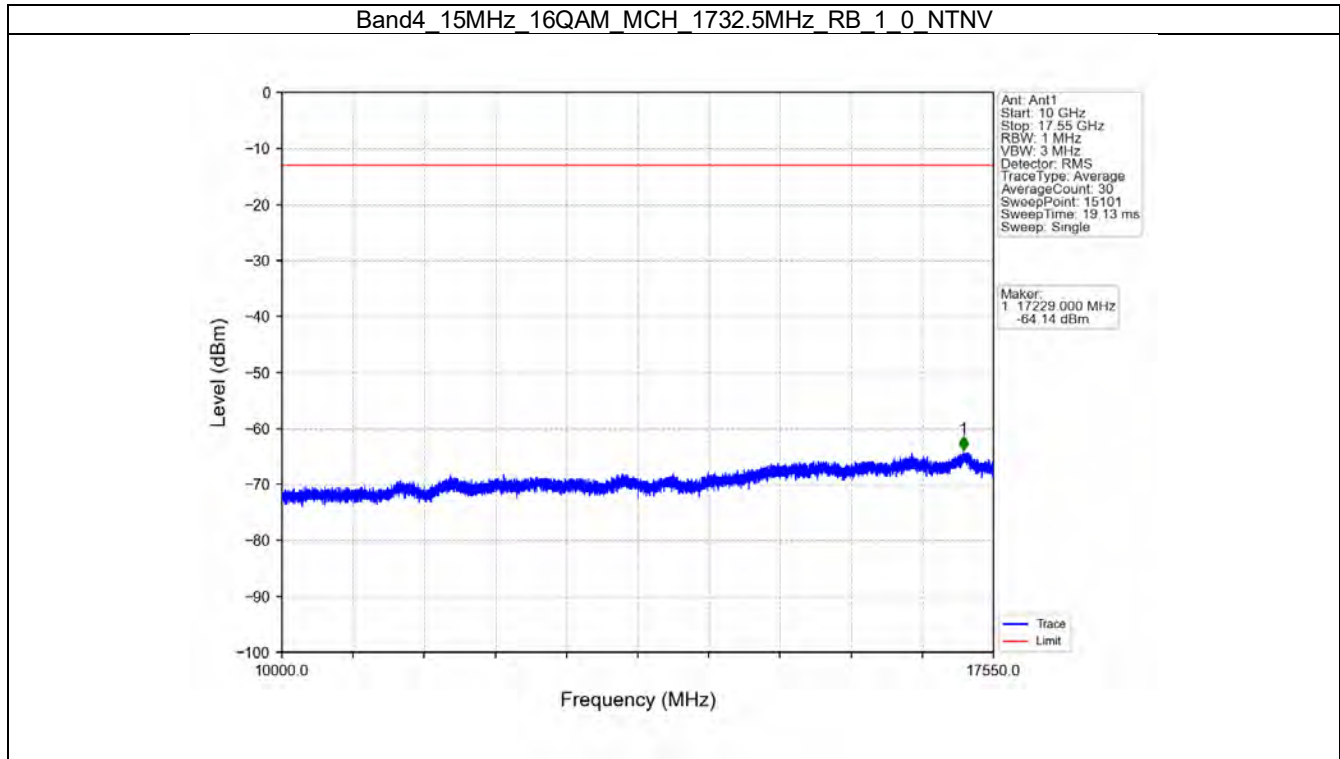


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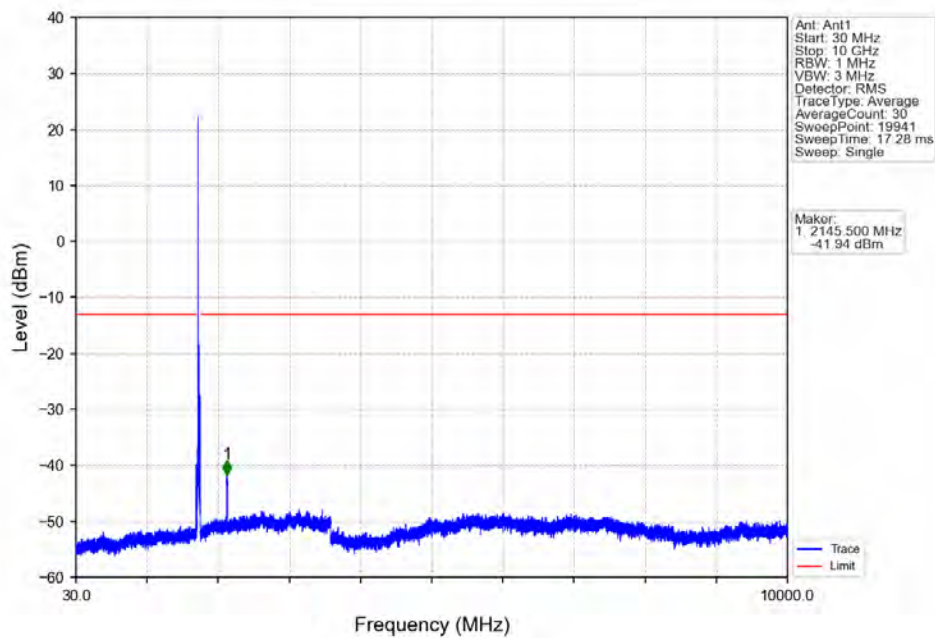
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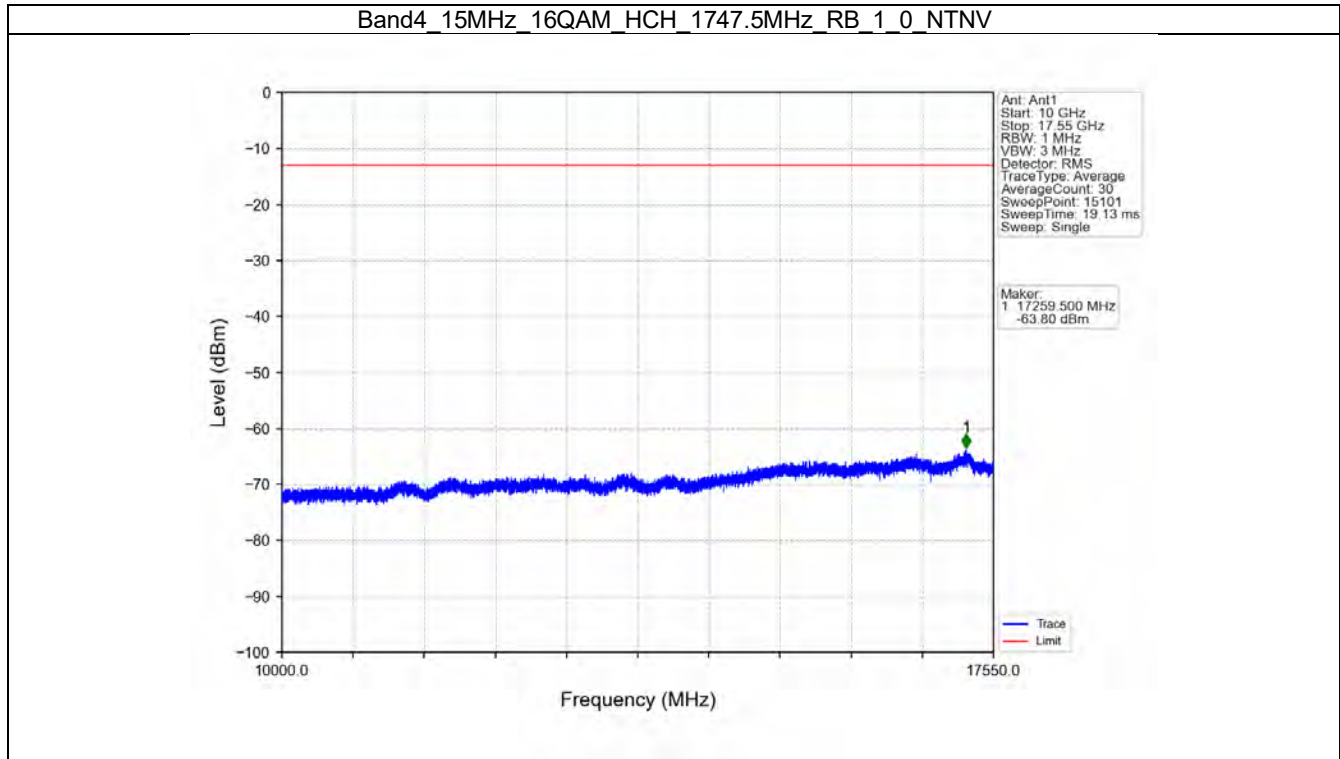


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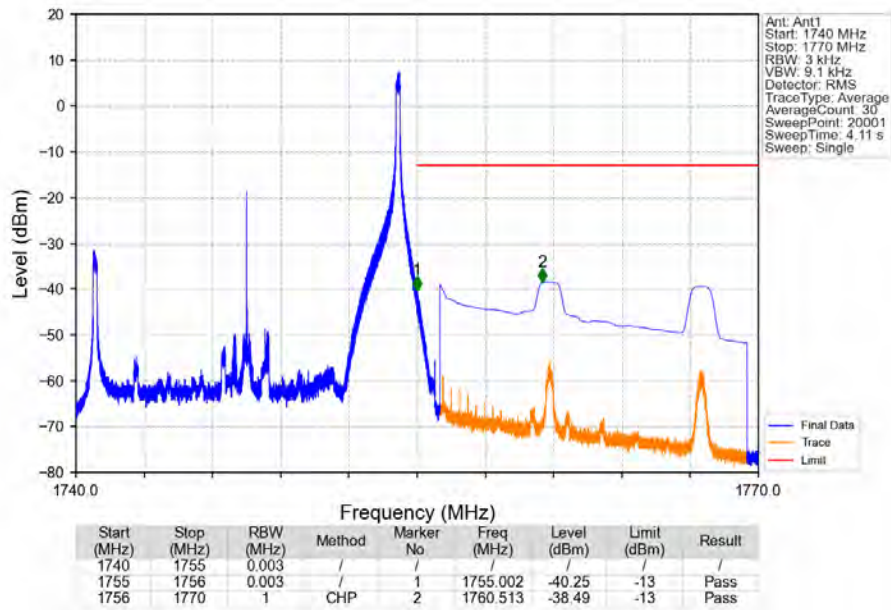
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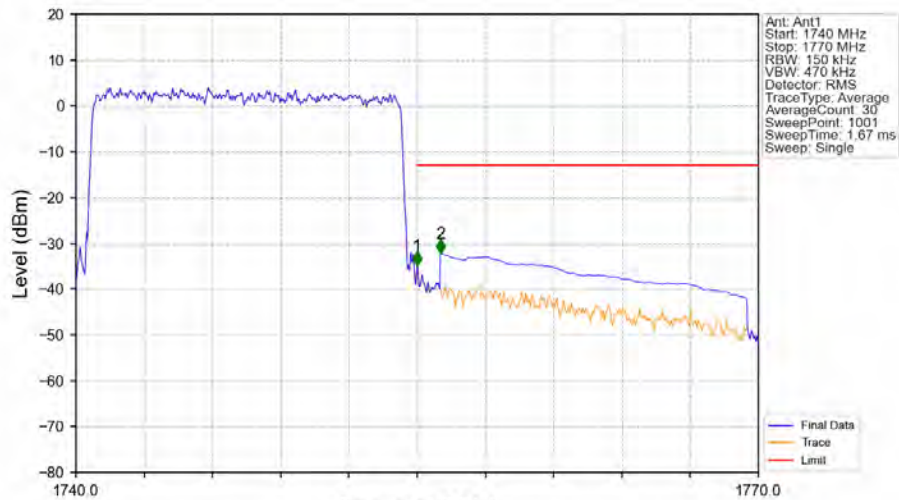
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.15	/	/	/	/	/	/
1755	1756	0.15	/	1	1755.000	-34.93	-13	Pass
1756	1770	1	CHP	2	1756.020	-32.17	-13	Pass



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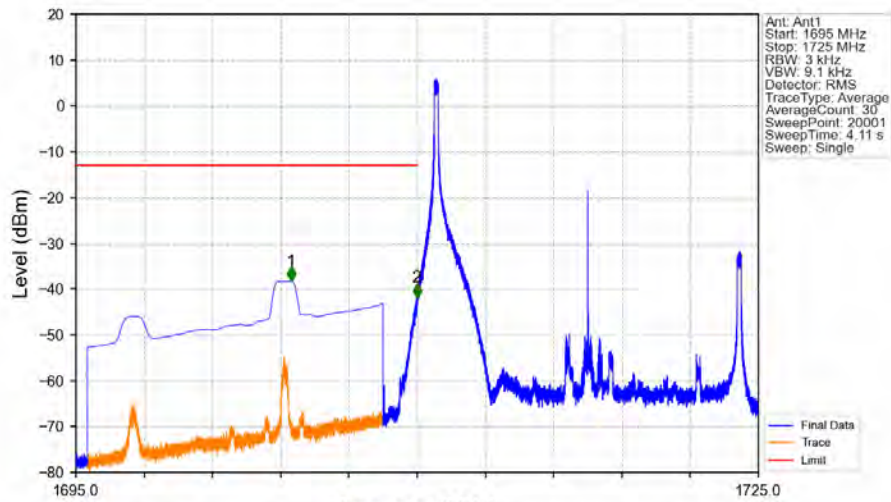
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Band4_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1704.469	-38.24	-13	Pass
1709	1710	0.003	/	2	1709.984	-41.83	-13	Pass
1710	1725	0.003	/	/	/	/	/	/



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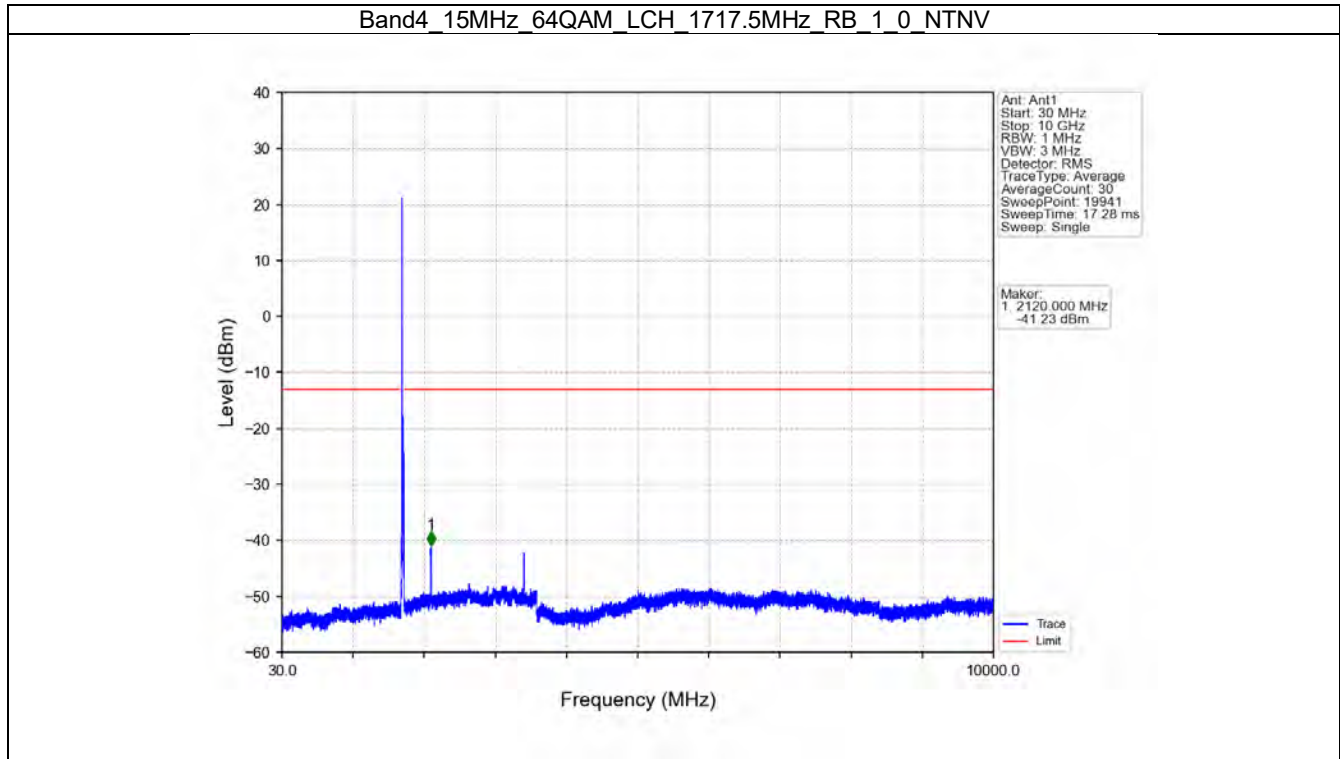


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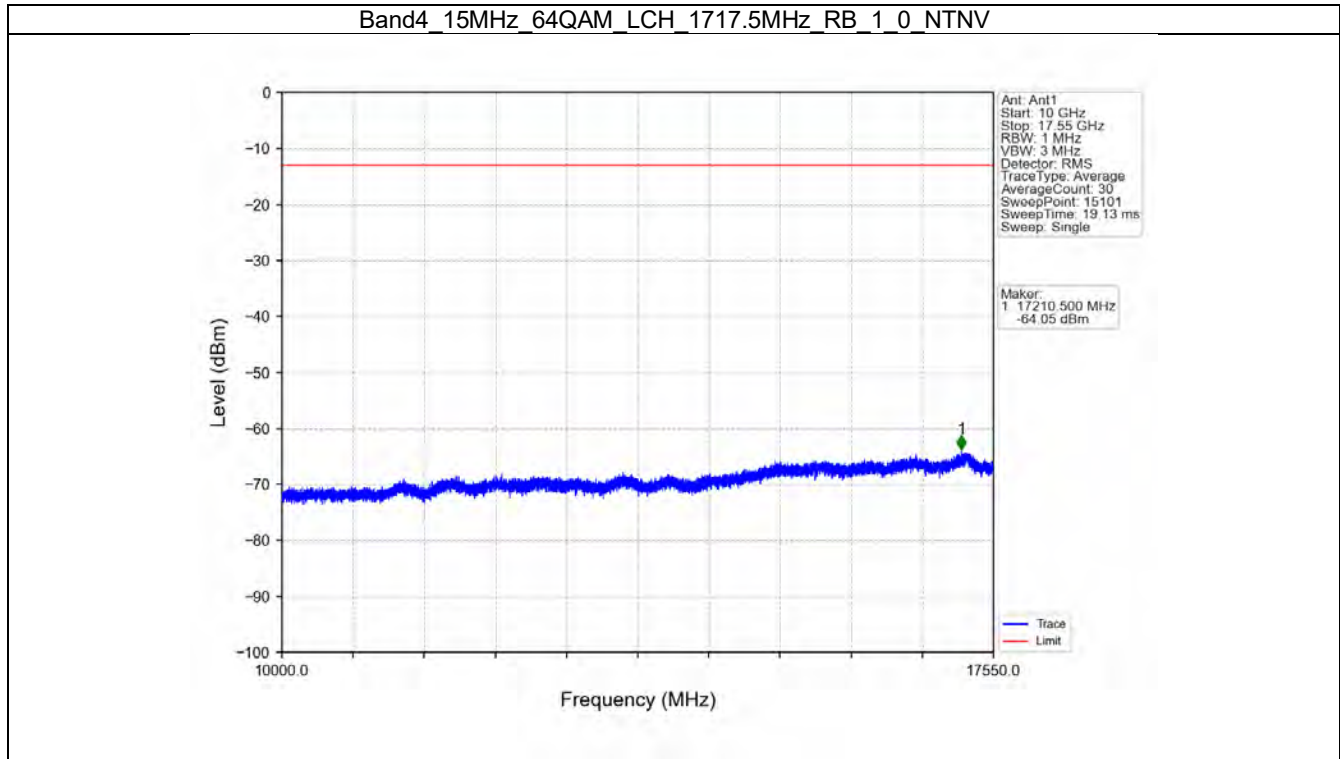


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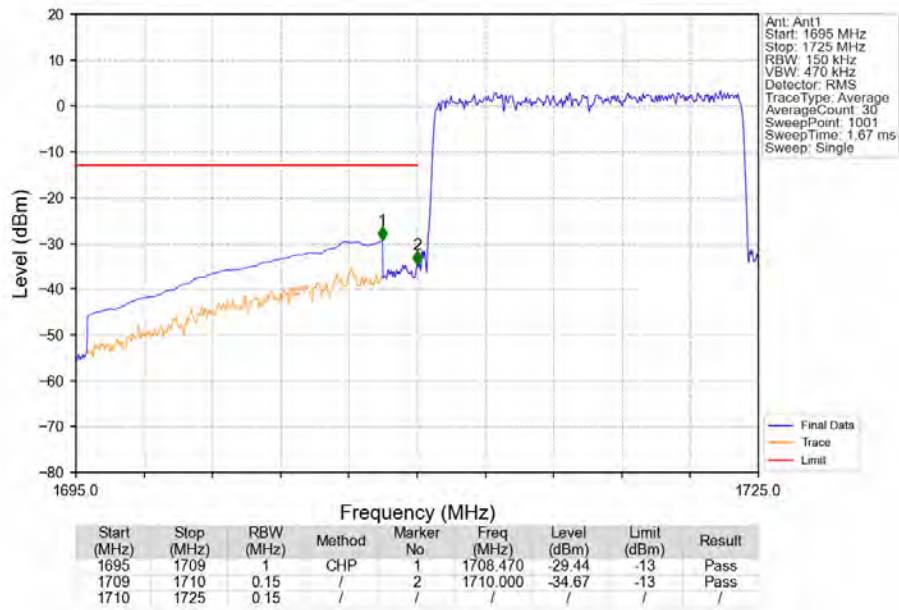
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Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



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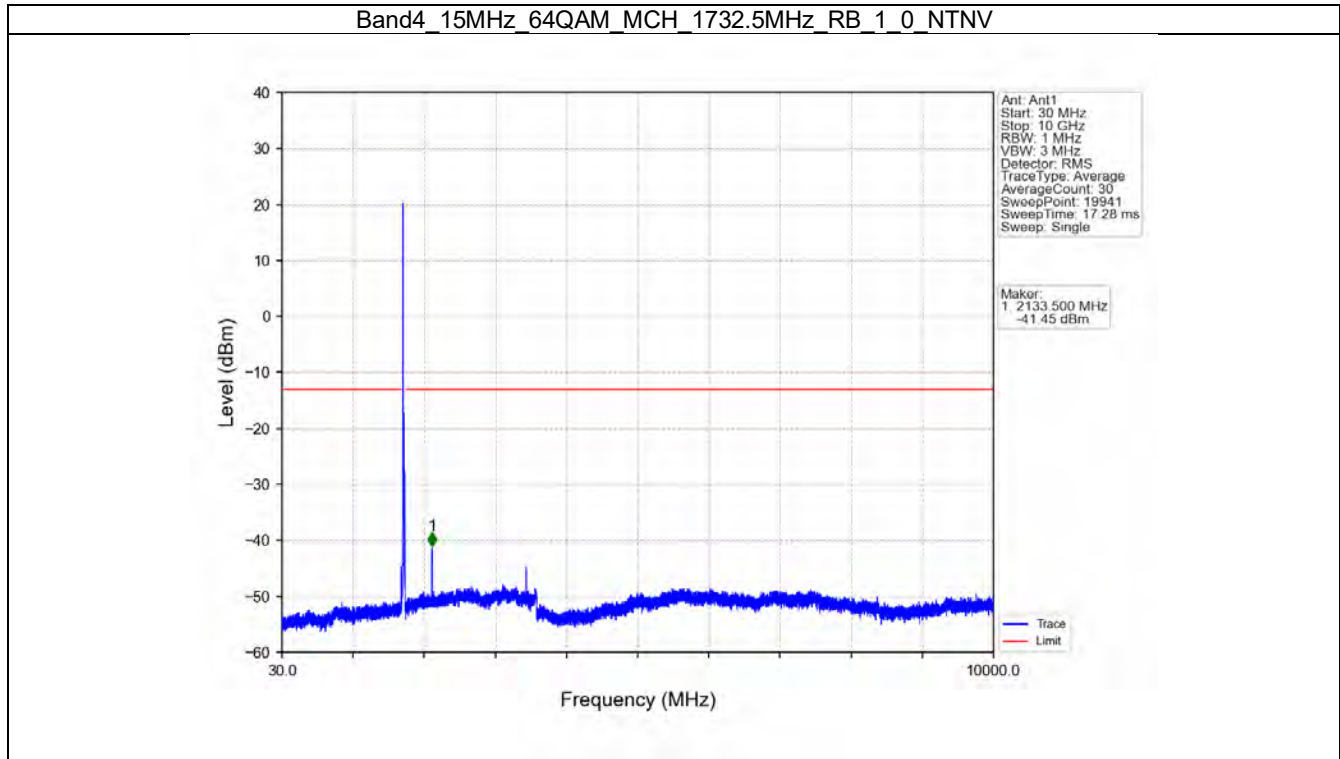


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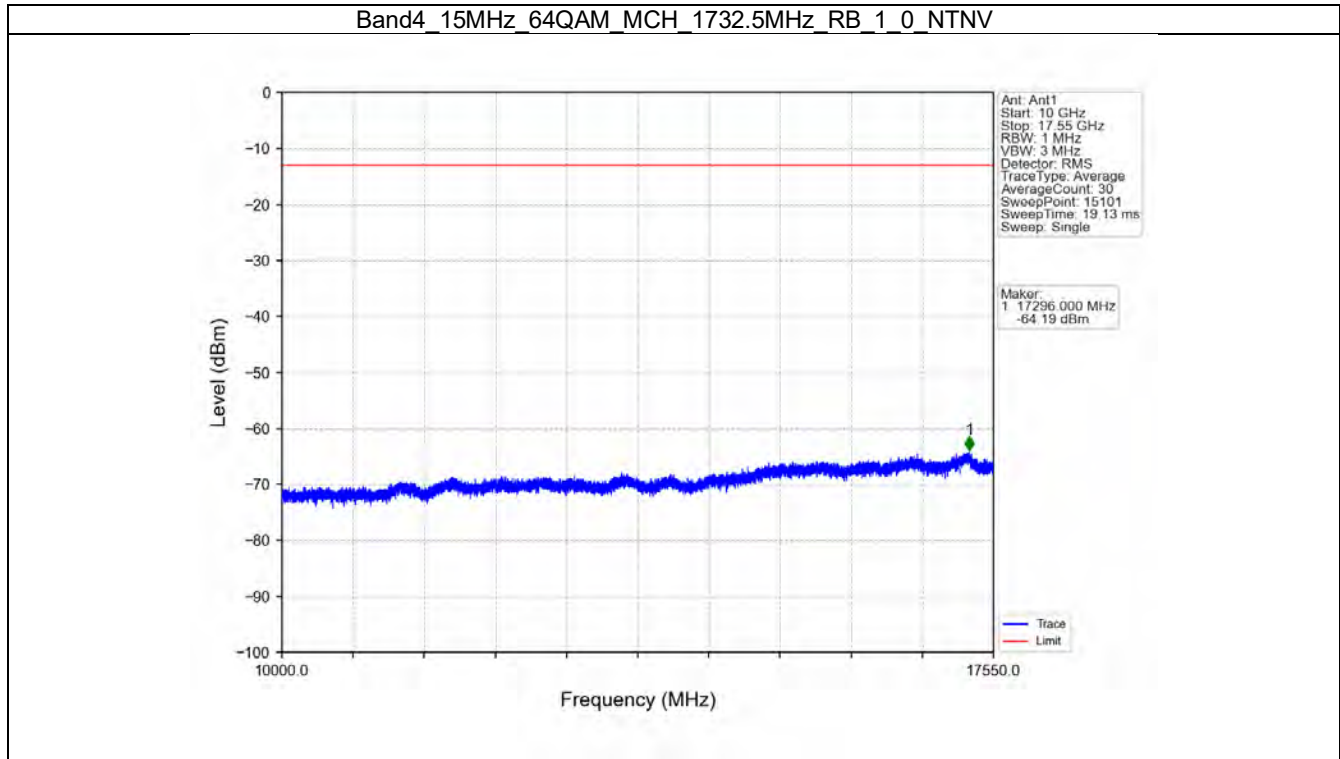


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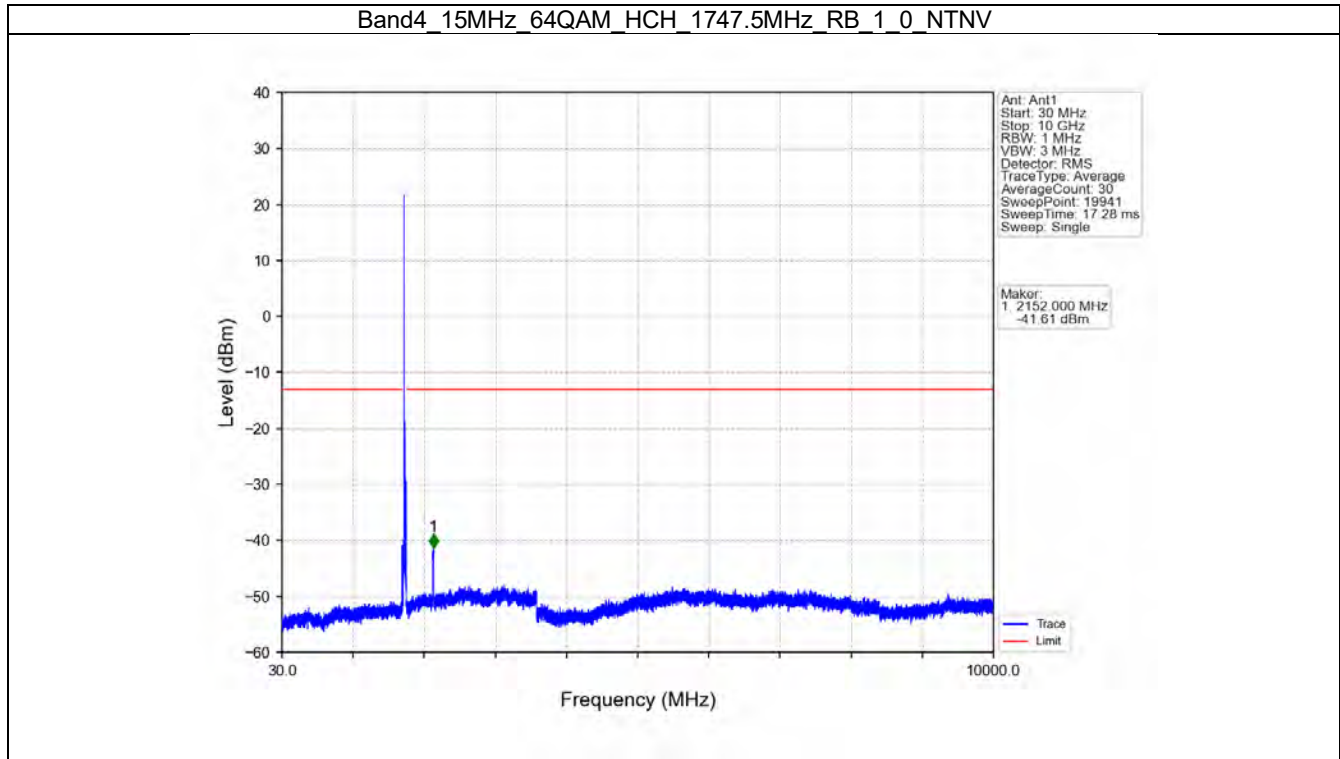


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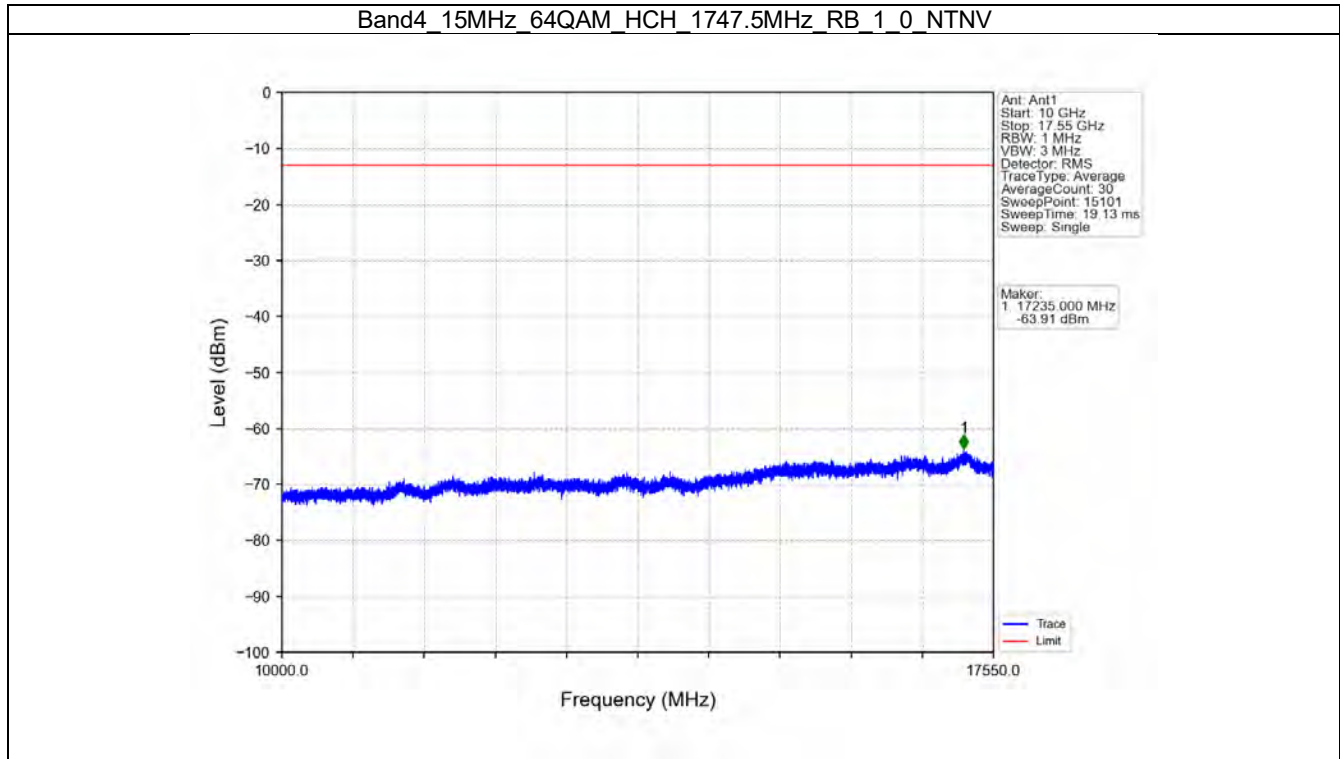


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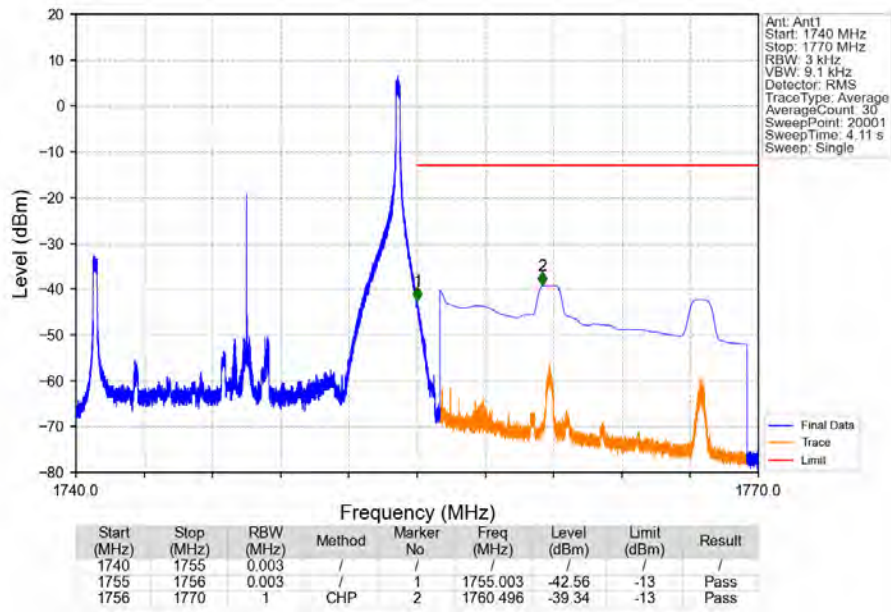
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Band4_15MHz_64QAM_HCH_1747.5MHz_RB_1_74_NTNV



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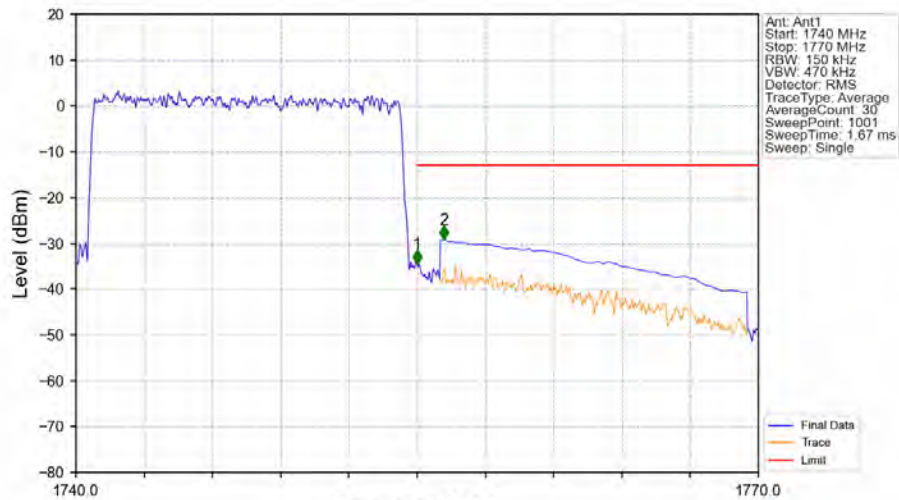
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Band4_15MHz_64QAM_HCH_1747.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.15	/	/	/	/	/	/
1755	1756	0.15	/	1	1755.000	-34.48	-13	Pass
1756	1770	1	CHP	2	1756.170	-29.28	-13	Pass



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5.6 B4_20MHz

5.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTVN						
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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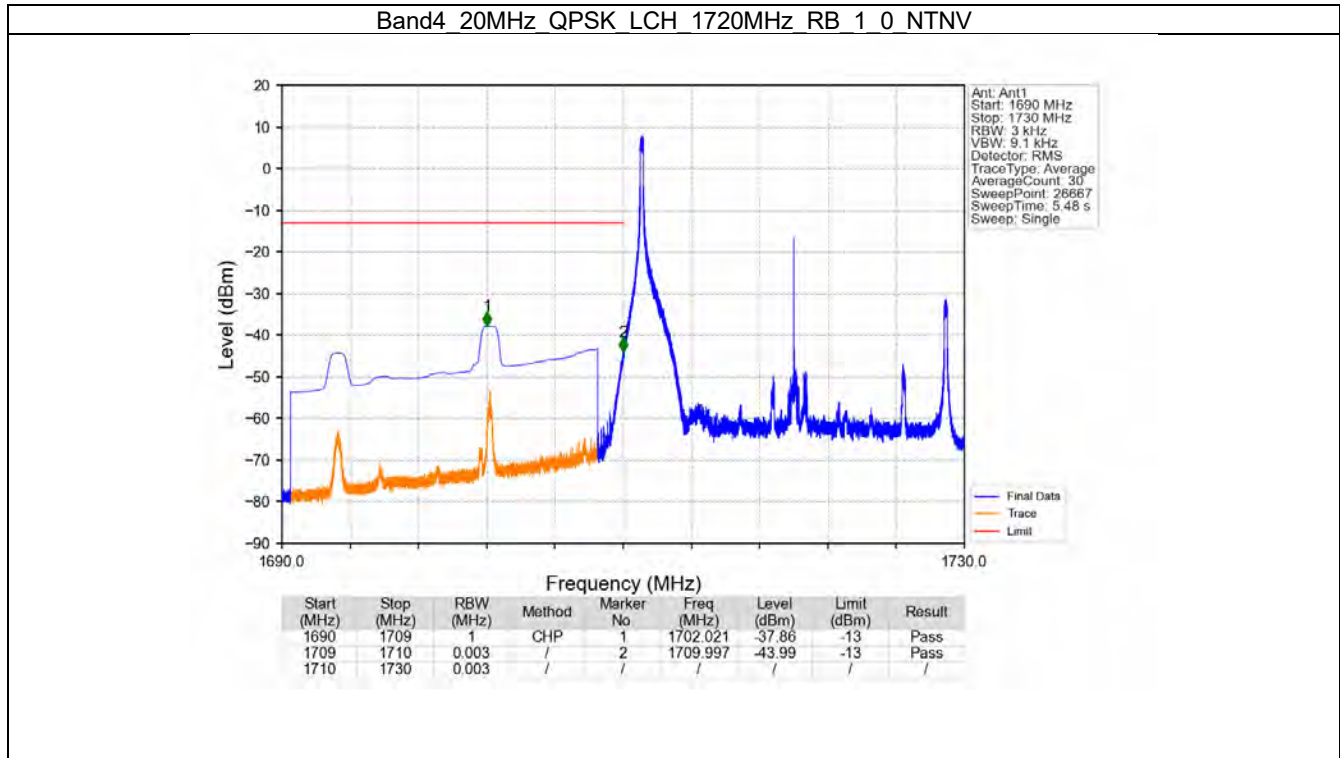
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5.6.2 Test Graph



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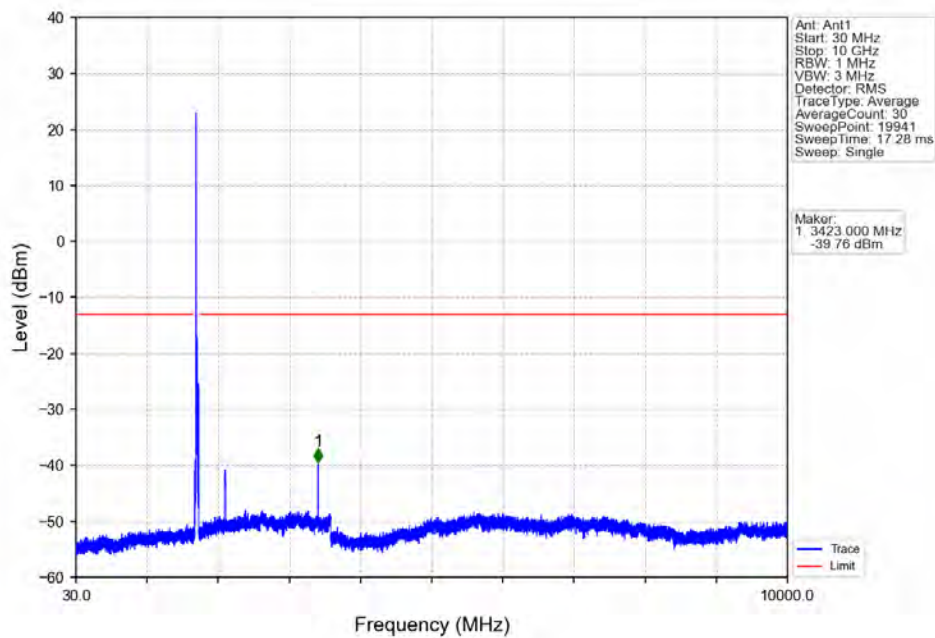
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Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



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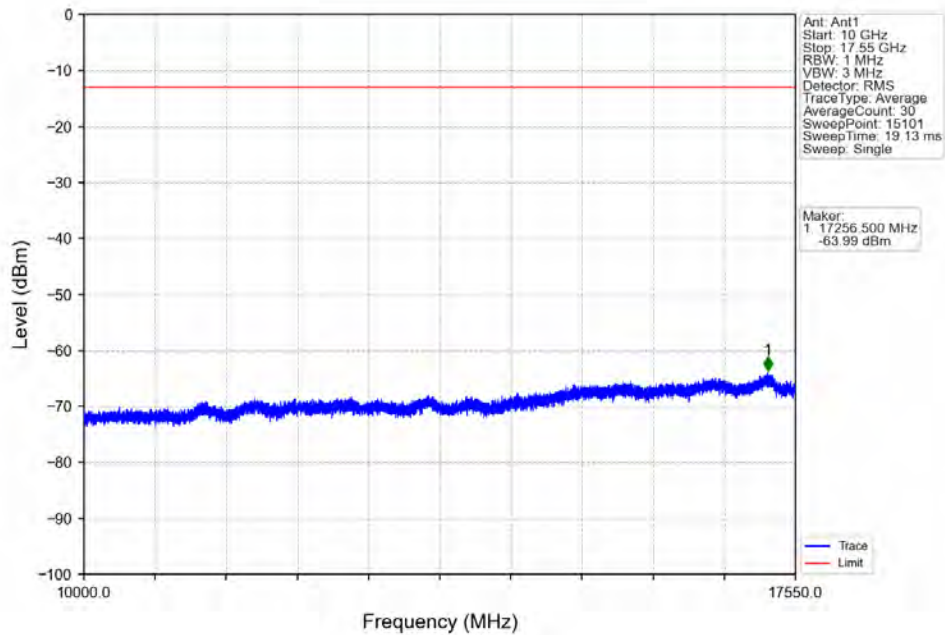
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Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



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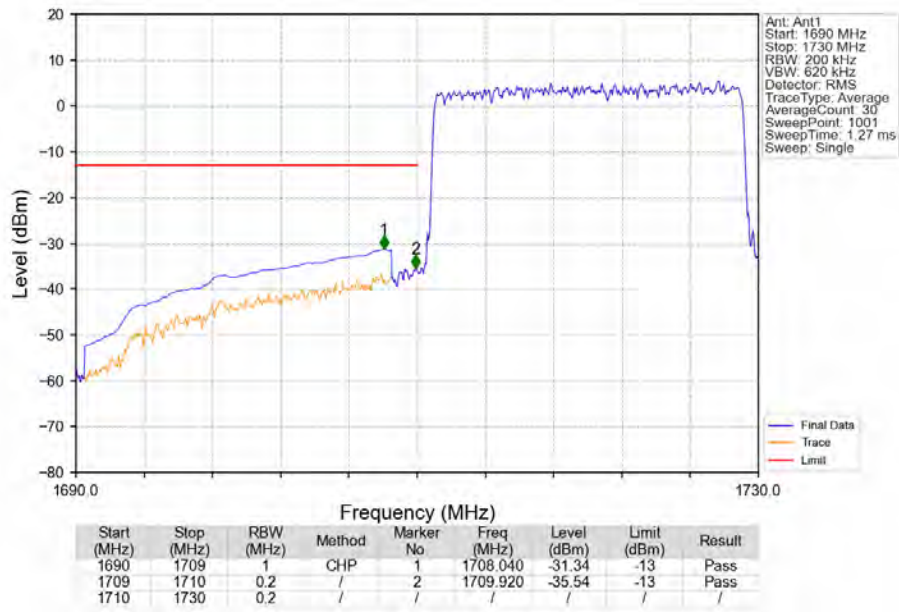
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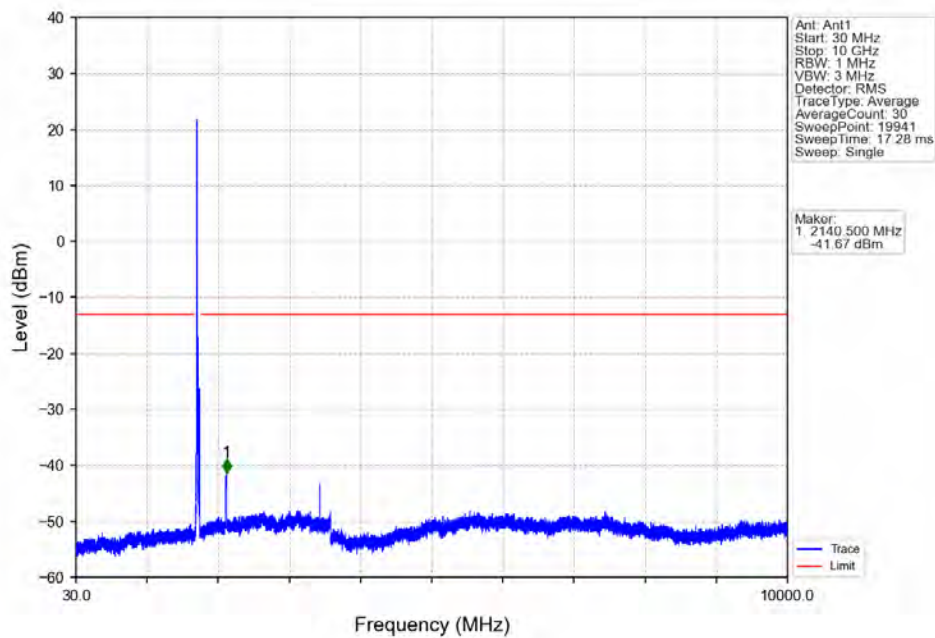
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Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



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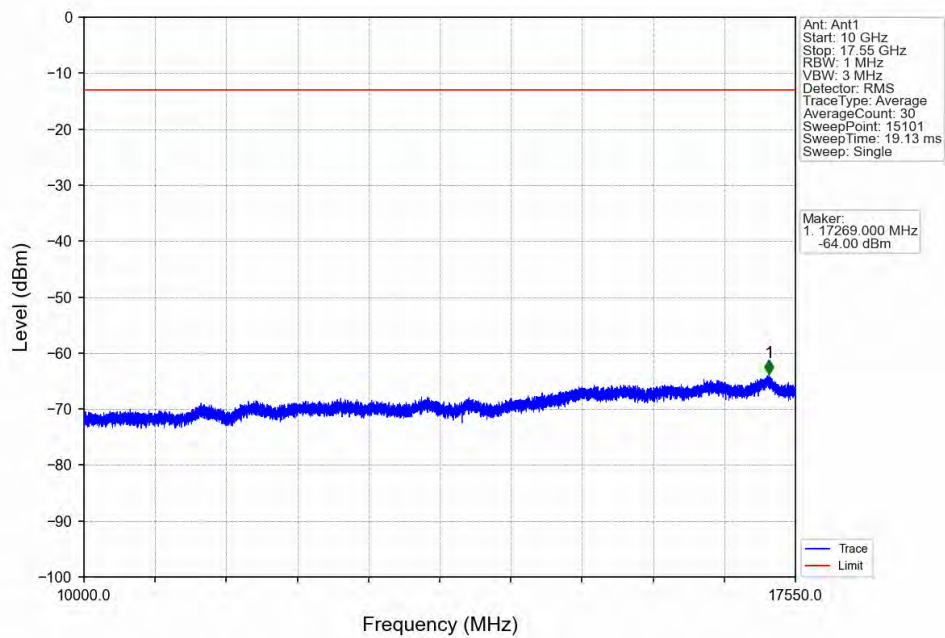
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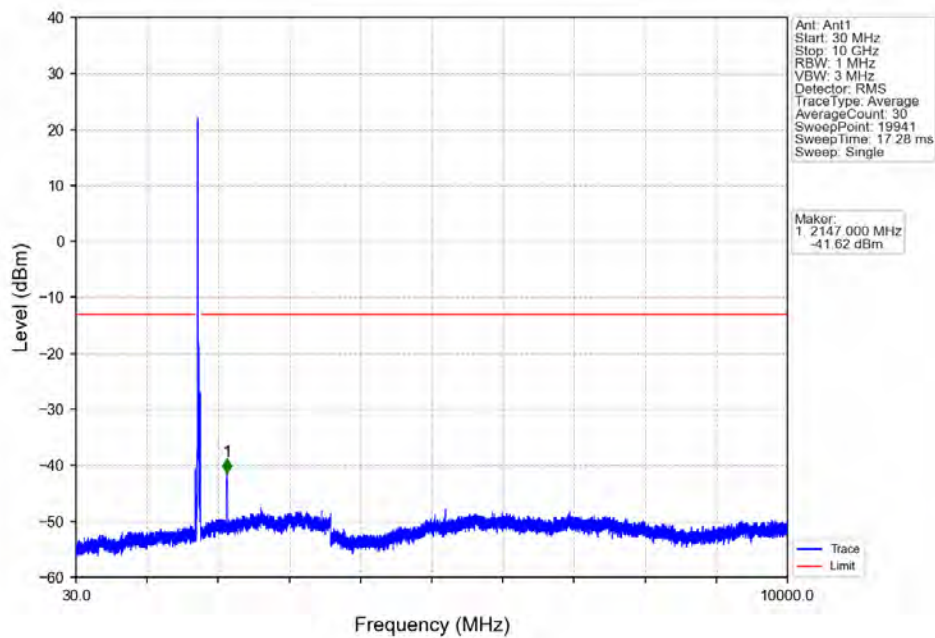
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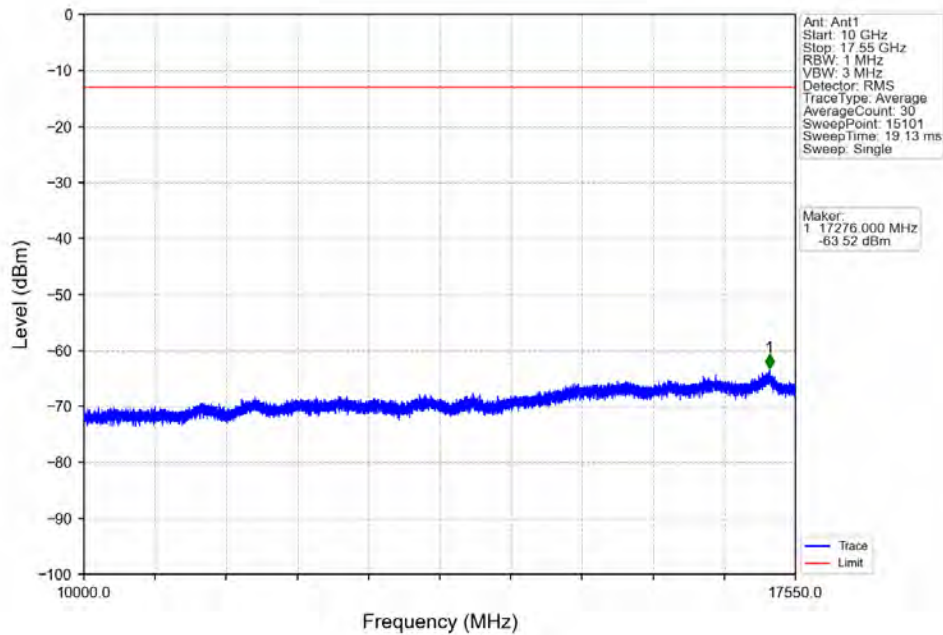
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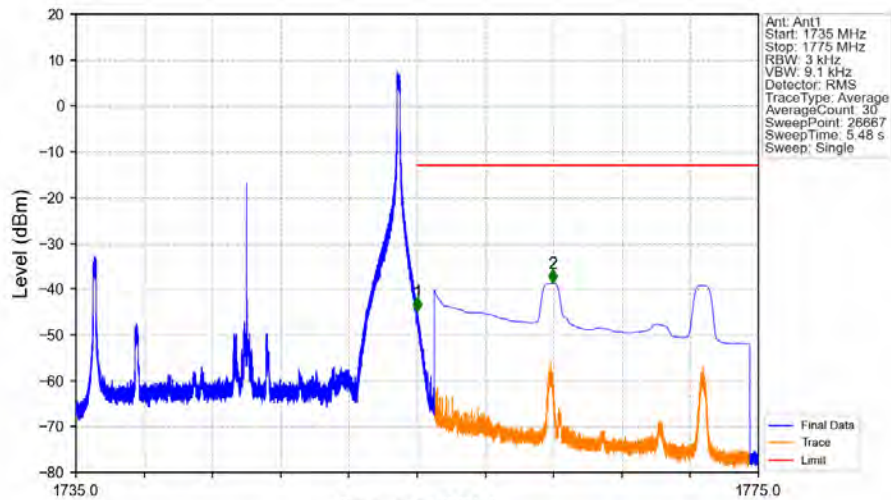
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Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	1	1755.021	-44.93	-13	Pass
1755	1756	0.003	/	2	1762.934	-38.73	-13	Pass
1756	1775	1	CHP					



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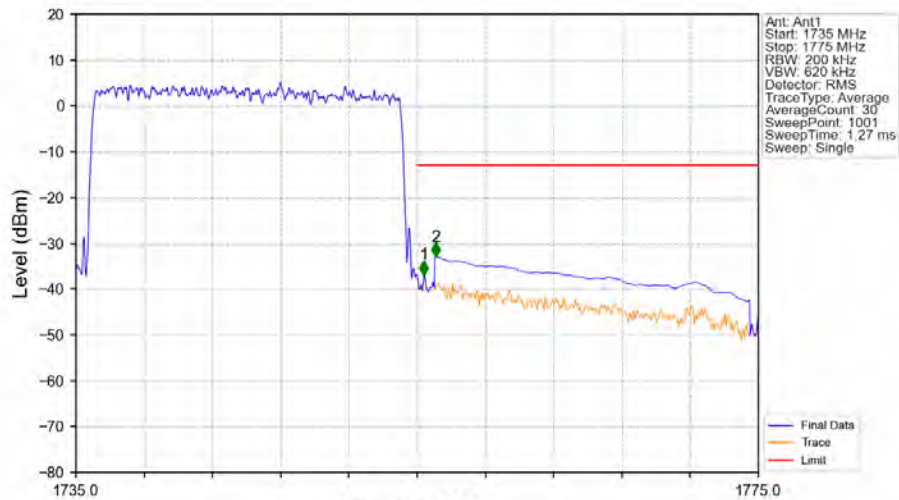
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Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.2	/	/	/	/	/	/
1755	1756	0.2	/	1	1755.400	-36.91	-13	Pass
1756	1775	1	CHP	2	1756.080	-32.94	-13	Pass



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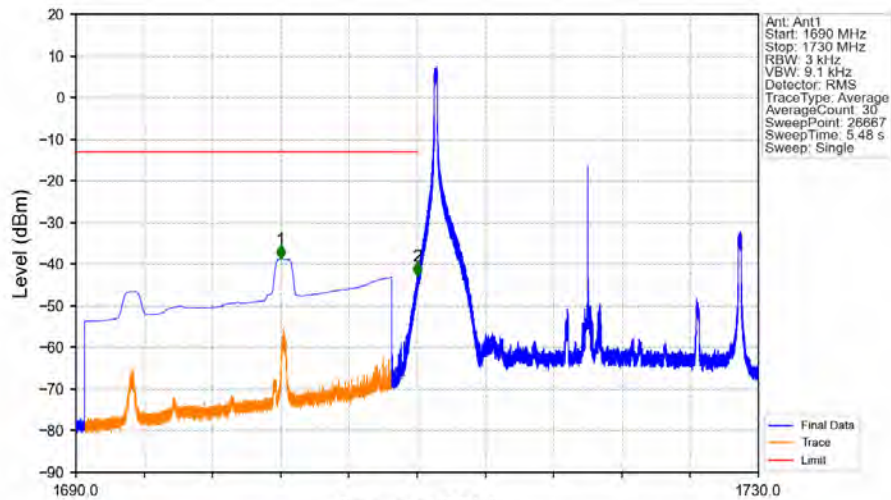
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Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1702.008	-38.74	-13	Pass
1709	1710	0.003	/	2	1709.995	-42.94	-13	Pass
1710	1730	0.003	/	/	/	/	/	/



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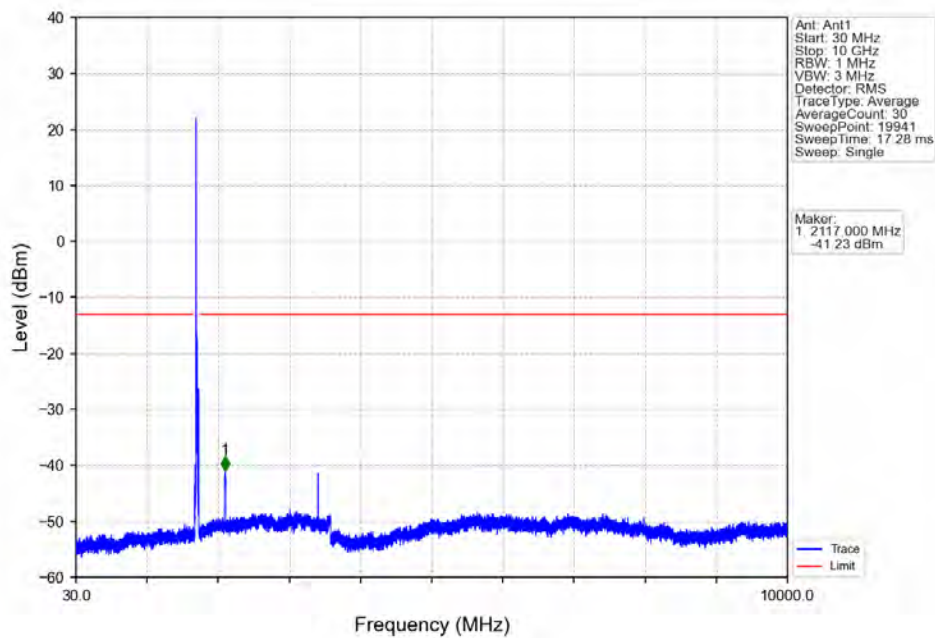
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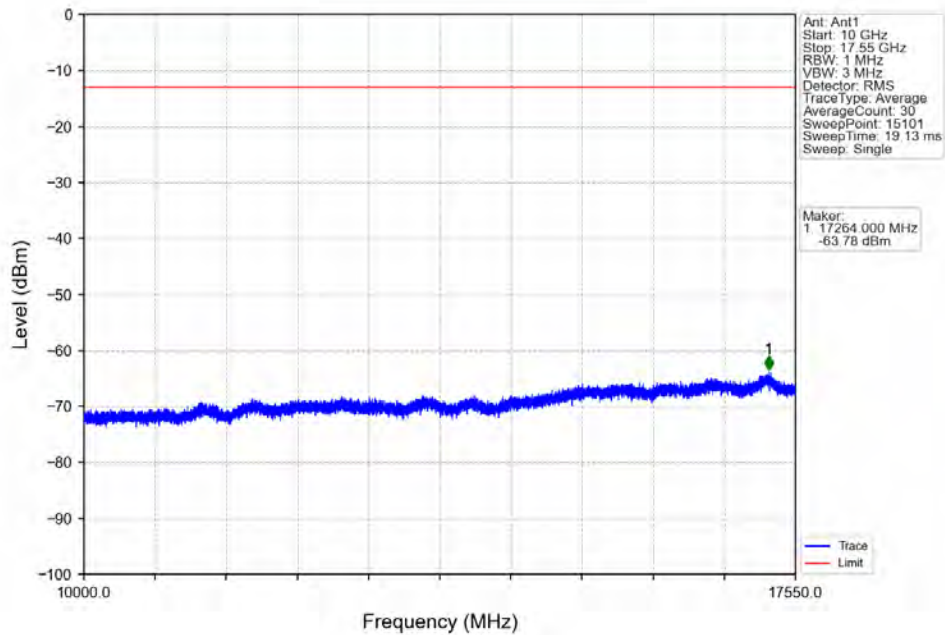
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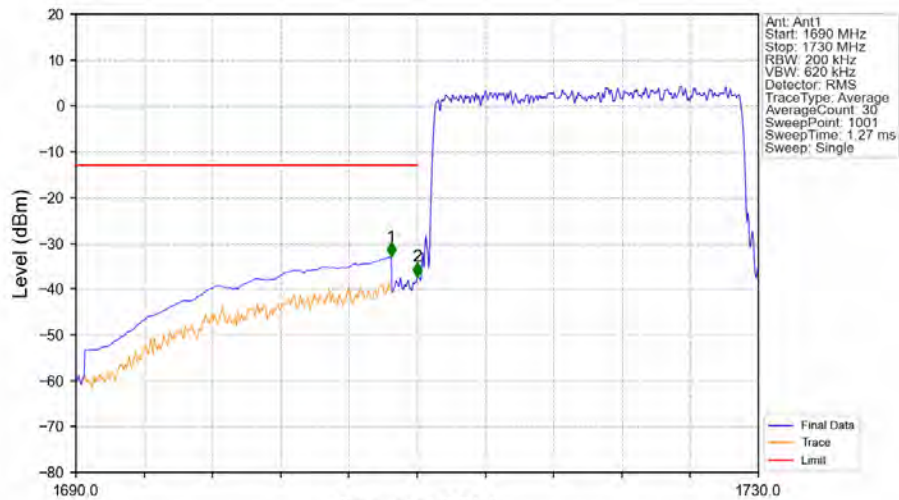
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-32.99	-13	Pass
1709	1710	0.2	/	2	1710.000	-37.23	-13	Pass
1710	1730	0.2	/	/	/	/	/	/



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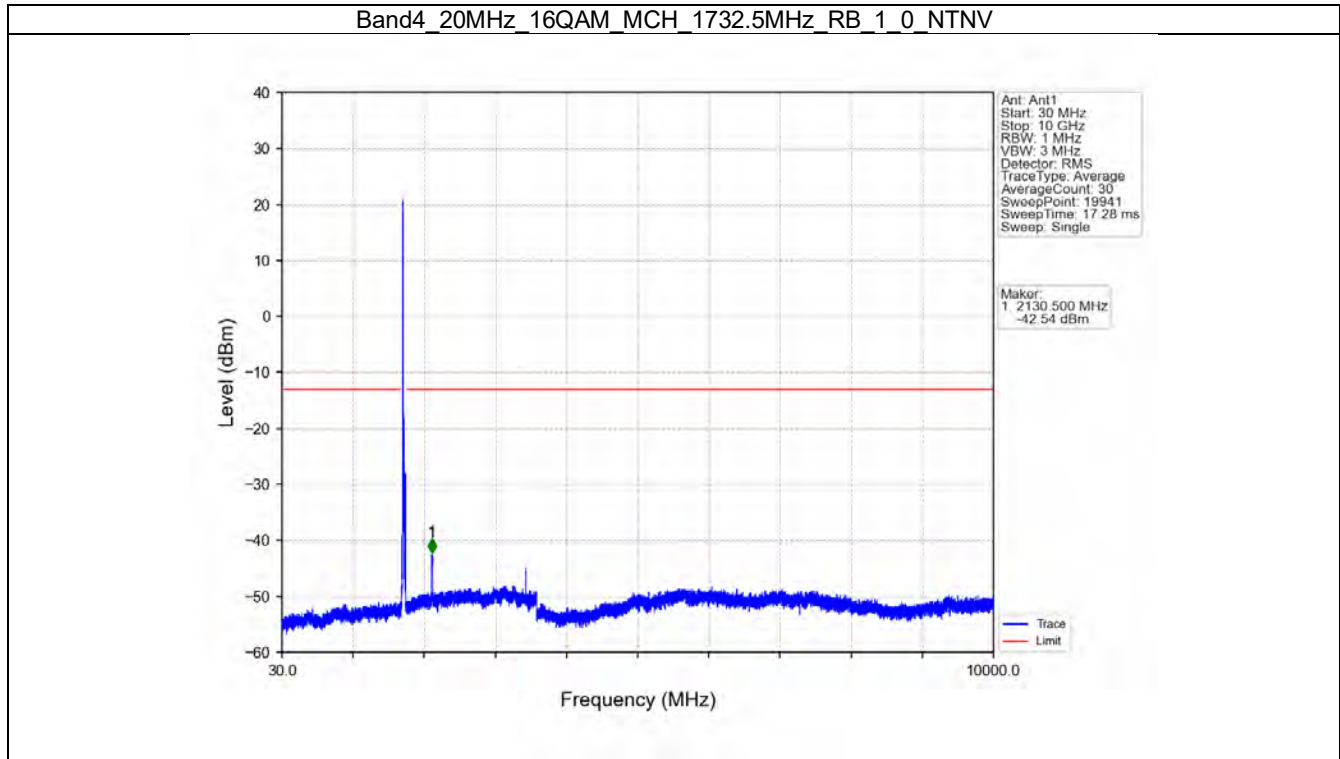


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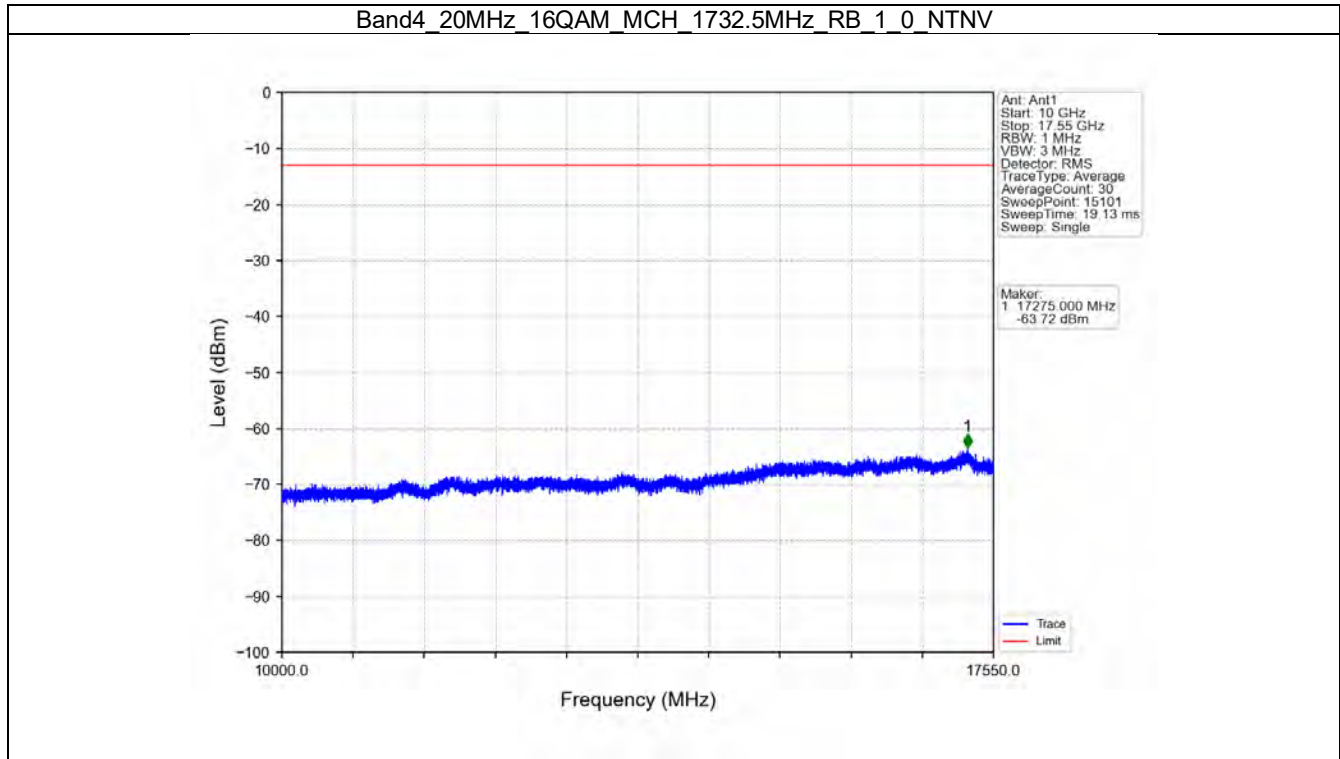


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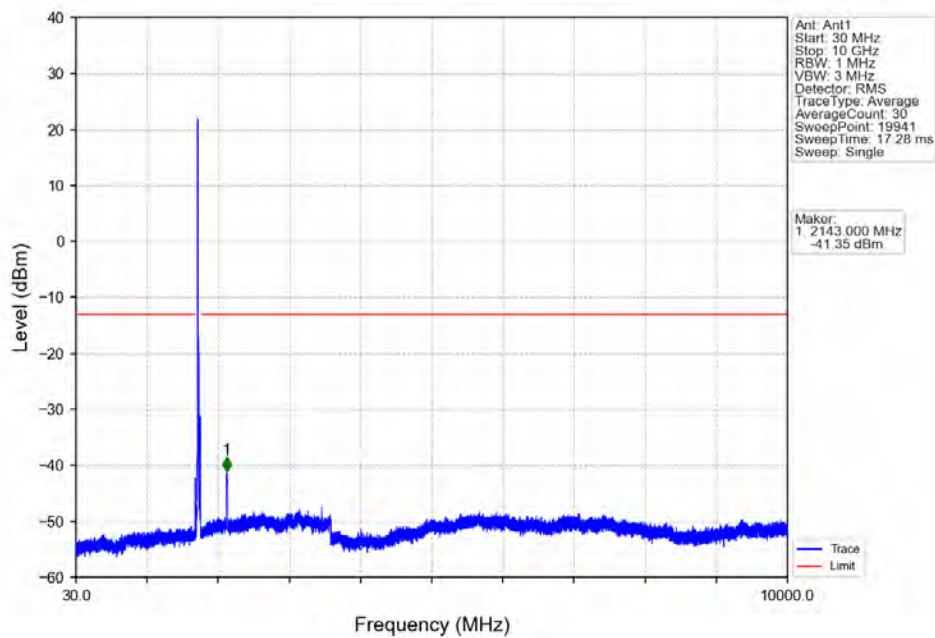
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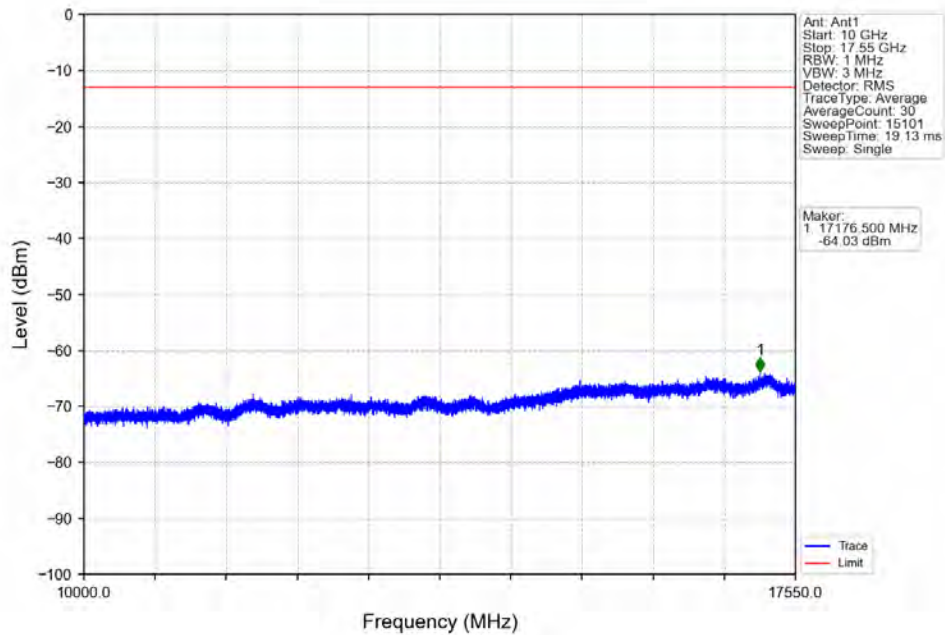
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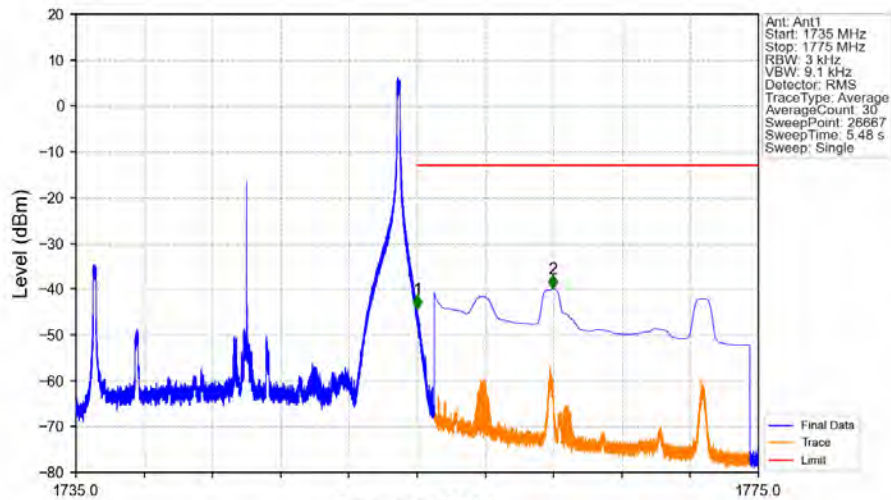
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.009	-44.44	-13	Pass
1756	1775	1	CHP	2	1762.946	-40.03	-13	Pass



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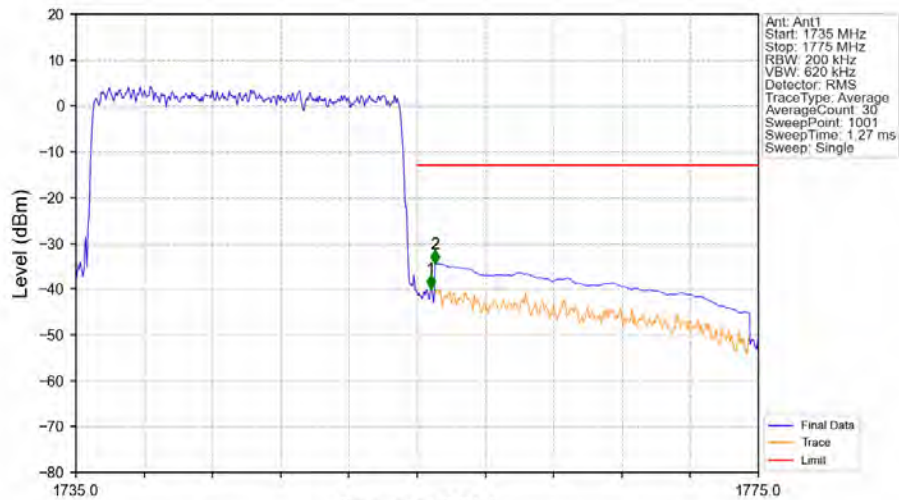
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.2	/	/	/	/	/	/
1755	1756	0.2	/	1	1755.800	-39.91	-13	Pass
1756	1775	1	CHP	2	1756.040	-34.47	-13	Pass



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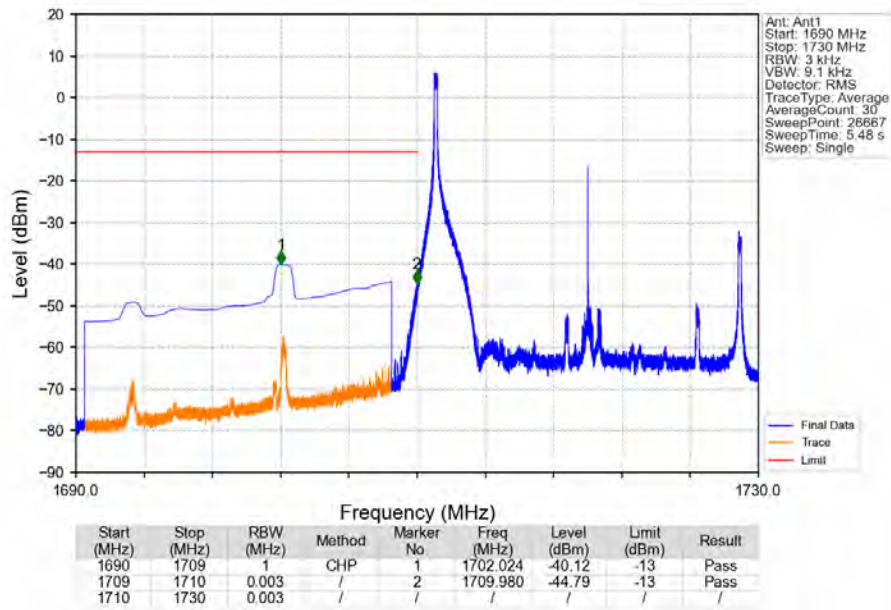
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Band4_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



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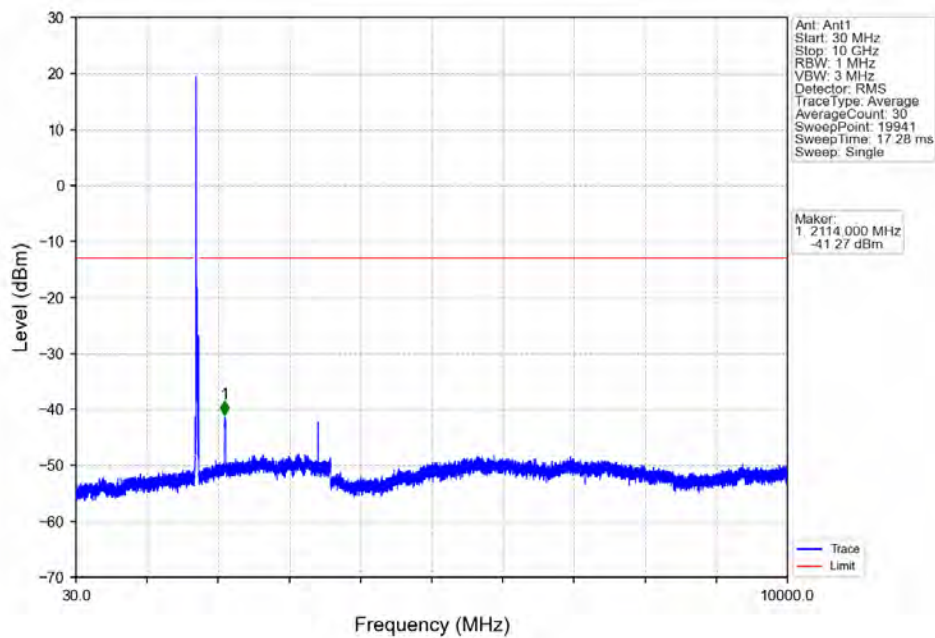
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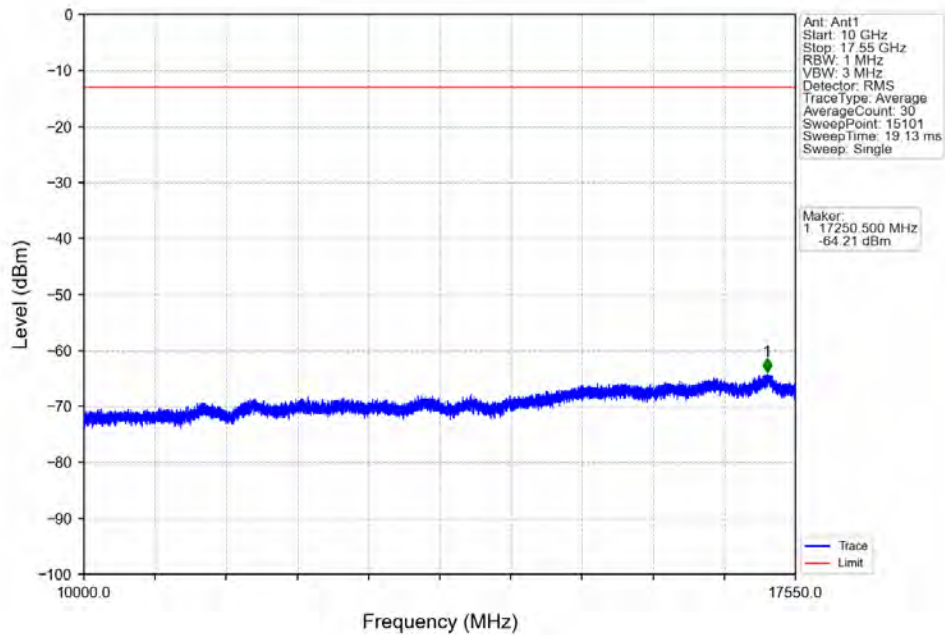
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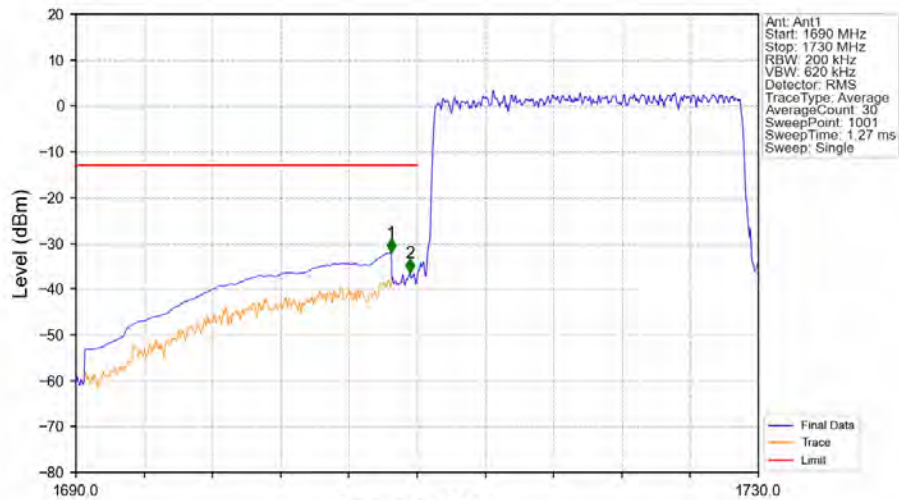
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-32.08	-13	Pass
1709	1710	0.2	/	2	1709.560	-36.42	-13	Pass
1710	1730	0.2	/	/	/	/	/	/



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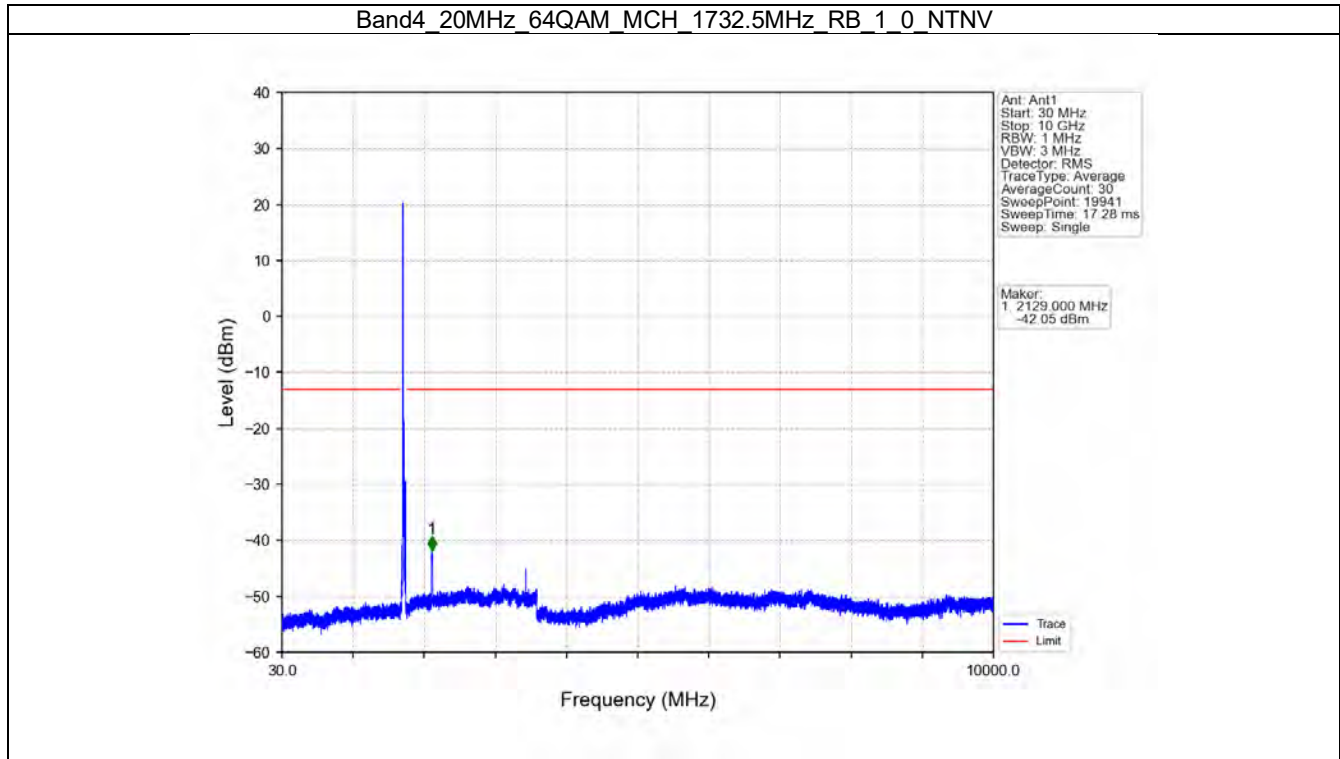


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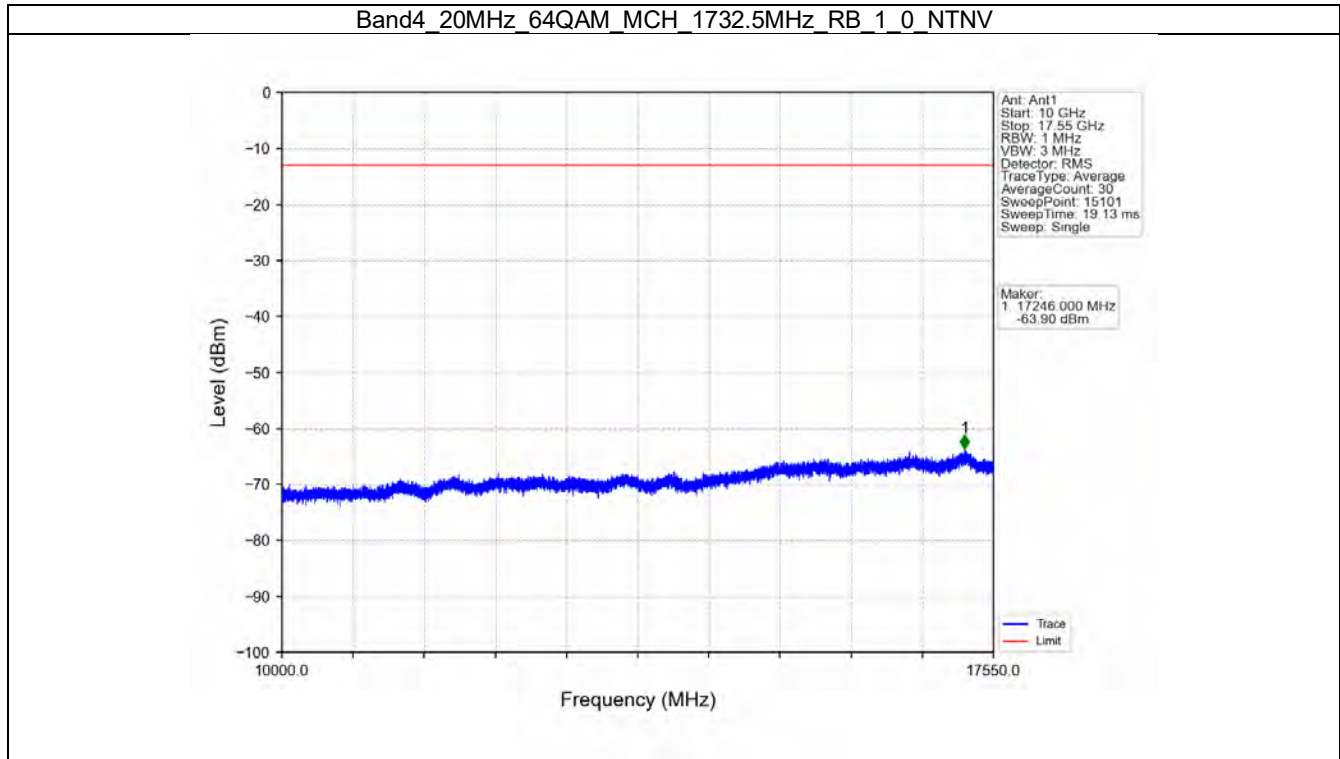


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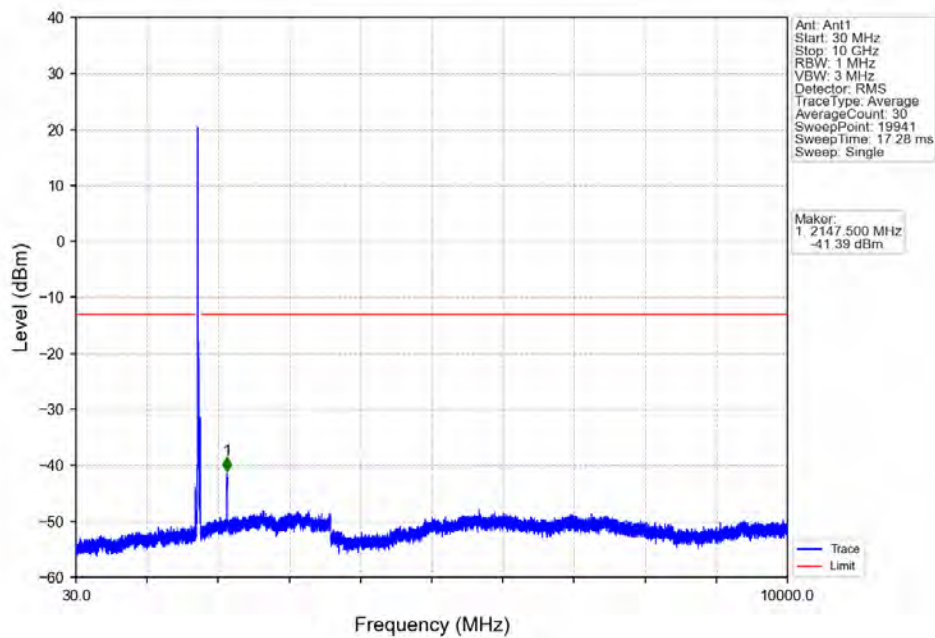
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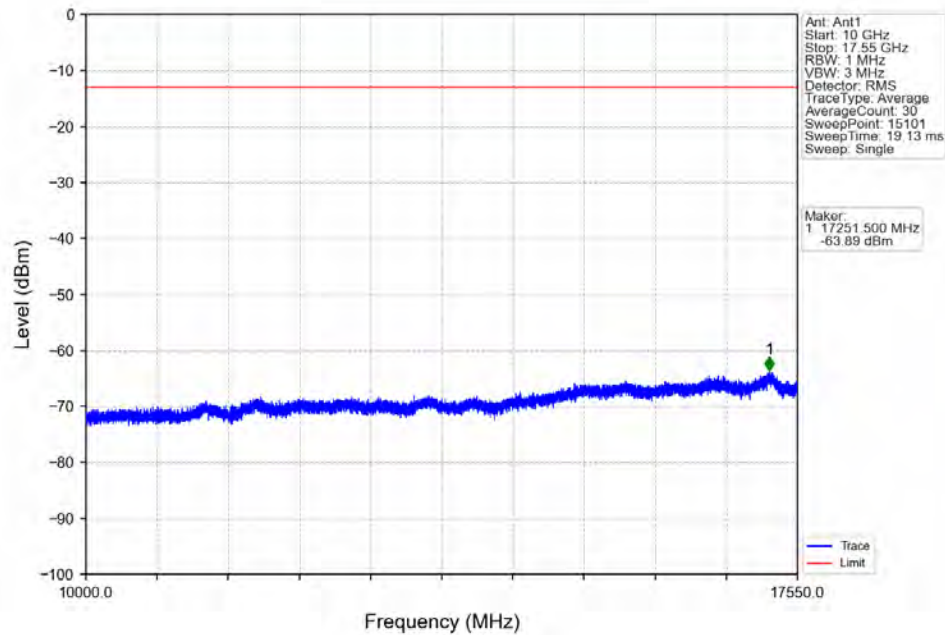
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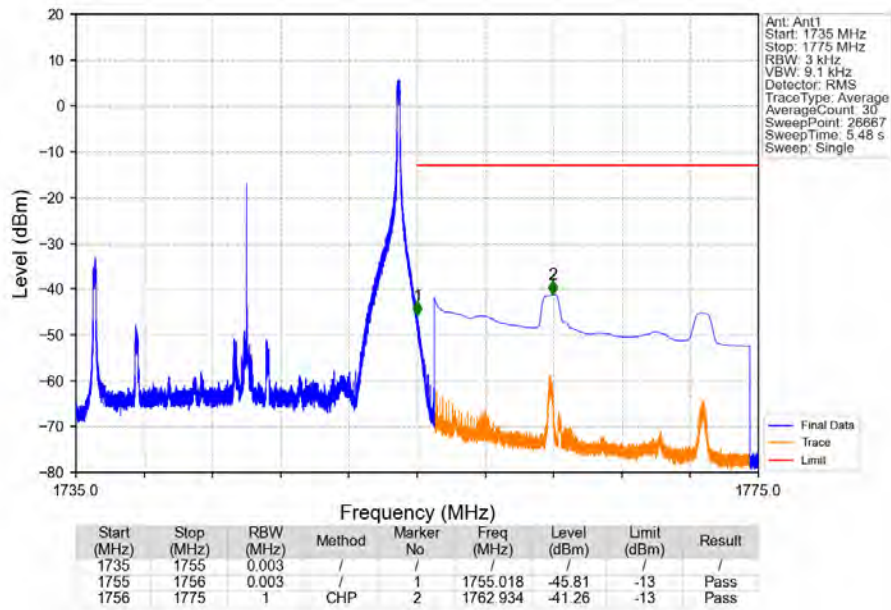
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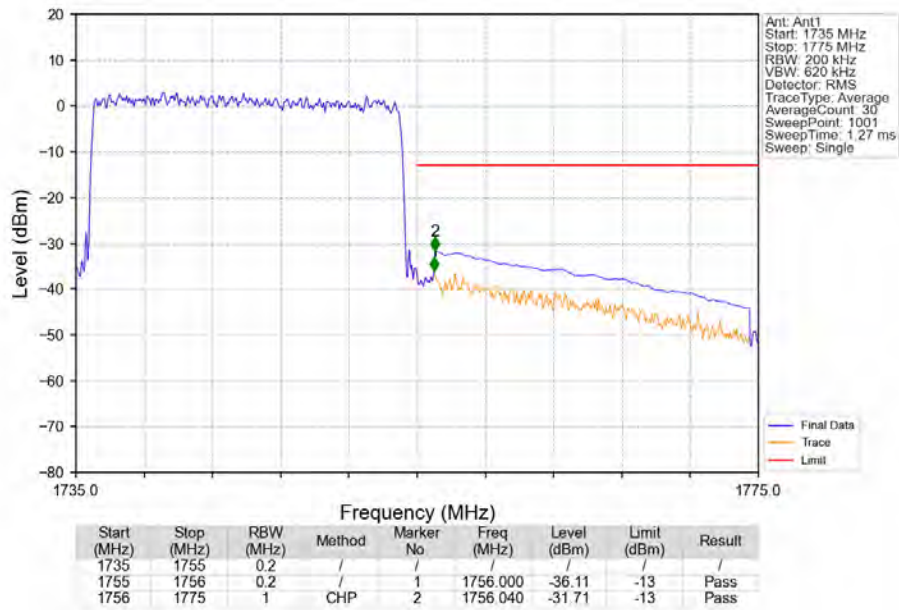
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6. Field Strength of Spurious Radiation

Test Band = B4 _ TM1

Test Channel = low

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.0000	68.46	28.68	-47.01	-45.13	-13.00	32.13	Horizontal
2	5133.0000	51.94	31.72	-47.02	-58.62	-13.00	45.62	Horizontal
3	6844.0000	54.24	35.43	-46.12	-51.71	-13.00	38.71	Horizontal
4	8555.0000	42.57	36.14	-43.31	-59.86	-13.00	46.86	Horizontal
5	10266.000	37.87	38.72	-40.54	-59.21	-13.00	46.21	Horizontal
6	11977.000	37.30	39.80	-38.68	-56.84	-13.00	43.84	Horizontal

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.0000	64.85	28.68	-47.01	-48.74	-13.00	35.74	Vertical
2	5133.0000	50.64	31.72	-47.02	-59.92	-13.00	46.92	Vertical
3	6844.0000	49.61	35.43	-46.12	-56.34	-13.00	43.34	Vertical
4	8555.0000	42.09	36.14	-43.31	-60.34	-13.00	47.34	Vertical
5	10266.000	37.77	38.72	-40.54	-59.31	-13.00	46.31	Vertical
6	11977.000	39.25	39.80	-38.68	-54.89	-13.00	41.89	Vertical



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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Test Band = B4 _ TM1
Test Channel = mid

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3447.0000	68.94	28.69	-46.98	-44.61	-13.00	31.61	Horizontal
2	5170.5000	51.93	31.81	-46.96	-58.48	-13.00	45.48	Horizontal
3	6894.0000	53.96	35.55	-46.10	-51.85	-13.00	38.85	Horizontal
4	8617.5000	43.60	36.14	-43.18	-58.70	-13.00	45.70	Horizontal
5	10341.0000	38.03	38.81	-40.30	-58.72	-13.00	45.72	Horizontal
6	12064.5000	38.42	39.79	-38.68	-55.73	-13.00	42.73	Horizontal

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3447.0000	65.03	28.69	-46.98	-48.52	-13.00	35.52	Vertical
2	5170.5000	52.65	31.81	-46.96	-57.76	-13.00	44.76	Vertical
3	6894.0000	50.28	35.55	-46.10	-55.53	-13.00	42.53	Vertical
4	8617.5000	42.51	36.14	-43.18	-59.79	-13.00	46.79	Vertical
5	10341.0000	37.97	38.81	-40.30	-58.78	-13.00	45.78	Vertical
6	12064.5000	40.13	39.79	-38.68	-54.02	-13.00	41.02	Vertical



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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZCR240100035201

Rev.: 01

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Test Band = B4 _ TM1
Test Channel = high

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.0000	65.04	28.69	-46.95	-48.48	-13.00	35.48	Horizontal
2	5208.0000	55.32	31.90	-46.94	-54.98	-13.00	41.98	Horizontal
3	6944.0000	50.87	35.67	-45.94	-54.66	-13.00	41.66	Horizontal
4	8680.0000	42.02	36.13	-43.17	-60.28	-13.00	47.28	Horizontal
5	10416.000	38.48	38.90	-40.46	-58.34	-13.00	45.34	Horizontal
6	12152.000	36.87	39.78	-38.85	-57.46	-13.00	44.46	Horizontal

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.0000	60.53	28.69	-46.95	-52.99	-13.00	39.99	Vertical
2	5208.0000	53.21	31.90	-46.94	-57.09	-13.00	44.09	Vertical
3	6944.0000	49.13	35.67	-45.94	-56.40	-13.00	43.40	Vertical
4	8680.0000	41.10	36.13	-43.17	-61.20	-13.00	48.20	Vertical
5	10416.000	38.37	38.90	-40.46	-58.45	-13.00	45.45	Vertical
6	12152.000	38.78	39.78	-38.85	-55.55	-13.00	42.55	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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