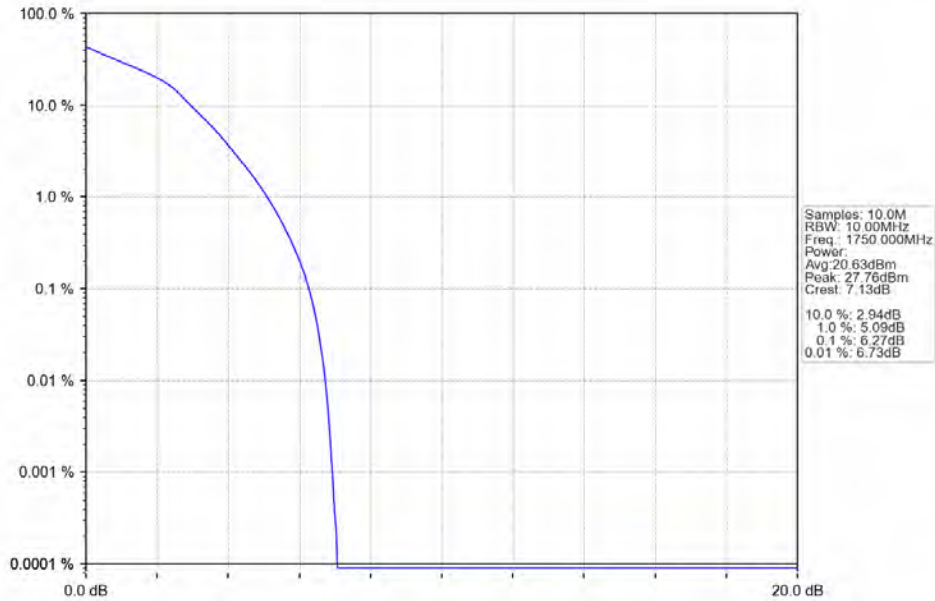


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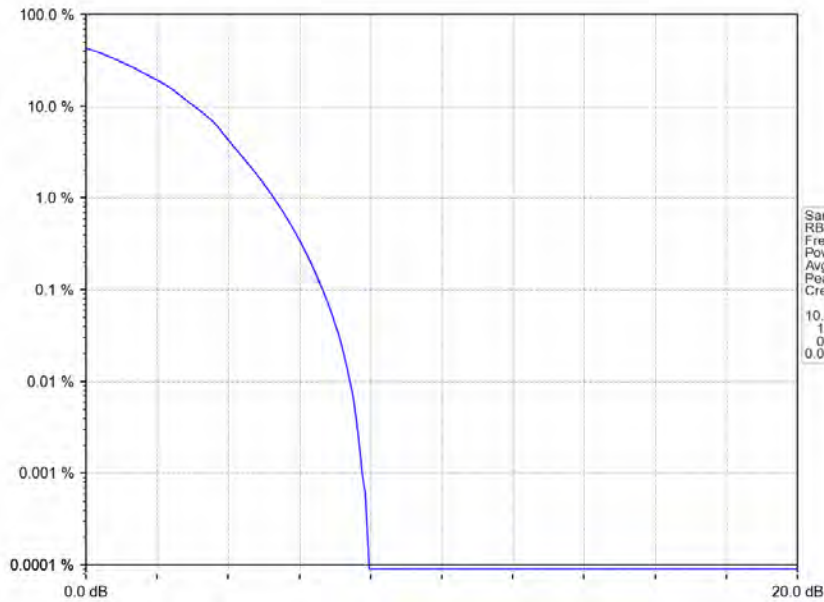
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Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



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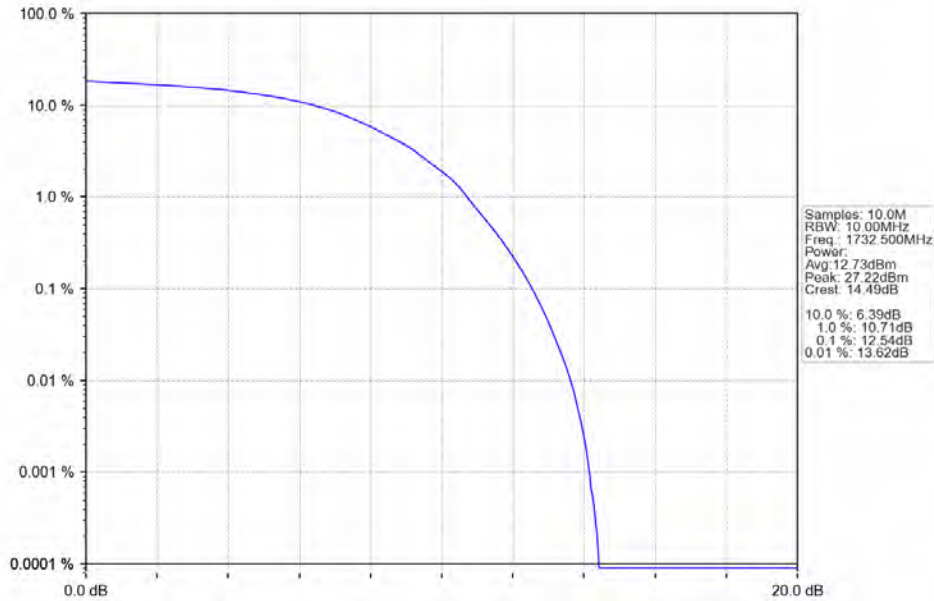
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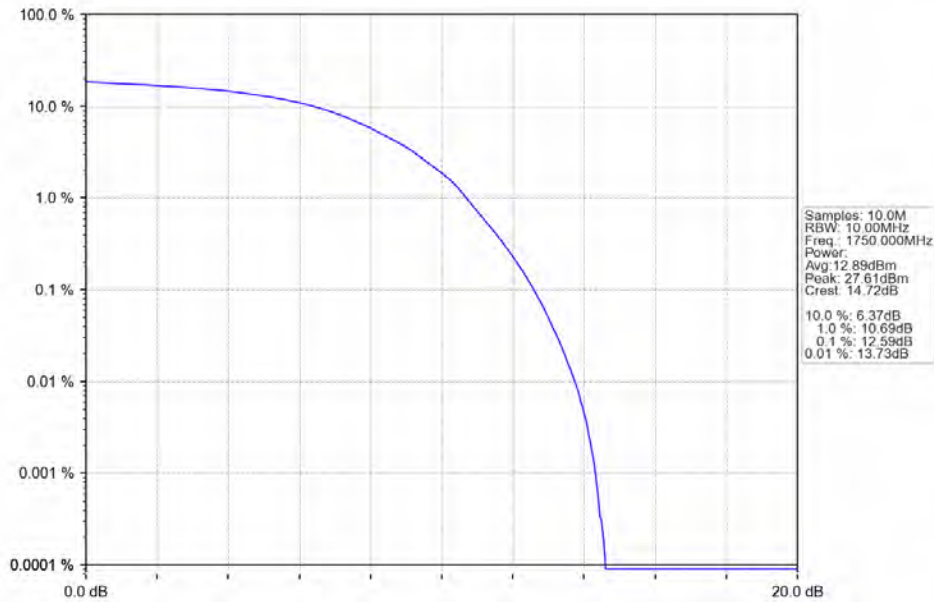
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Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_256QAM_LCH_1715MHz_RB_50_0_NTNV



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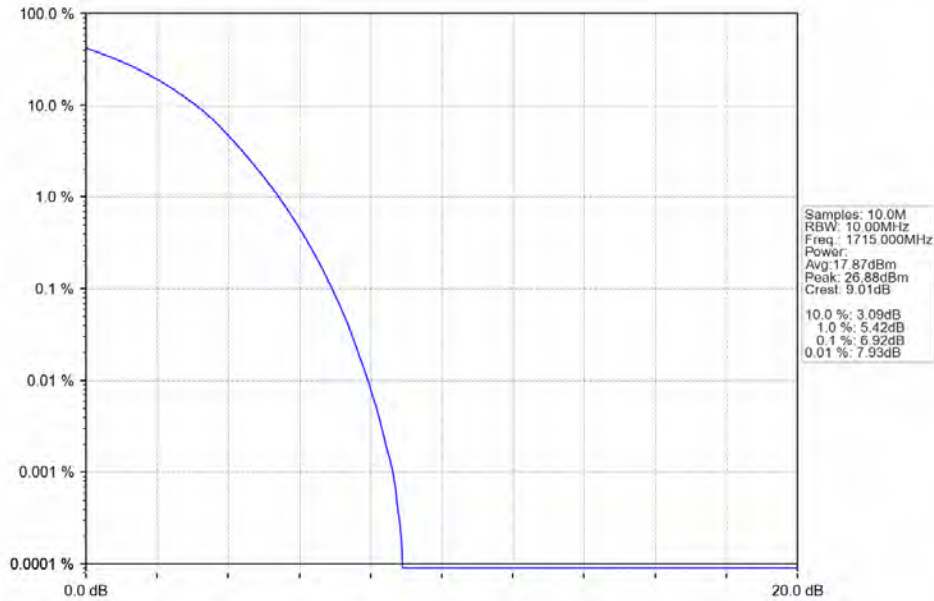
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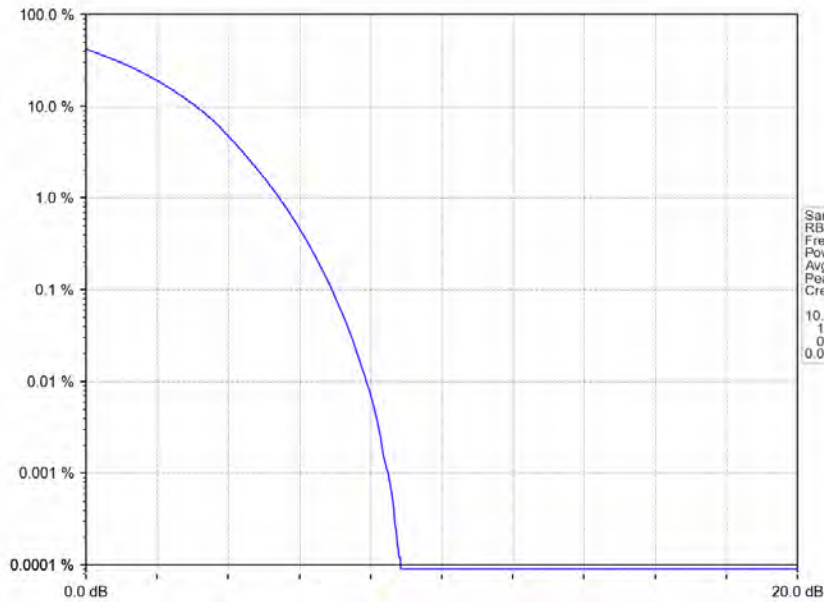
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Band4_10MHz_256QAM_MCH_1732.5MHz_RB_50_0_NTNV



Samples: 10.0M
RBW: 10.00MHz
Freq: 1732.500MHz
Power:
Avg: 17.51dBm
Peak: 26.53dBm
Crest: 9.02dB

Band4_10MHz_256QAM_HCH_1750MHz_RB_50_0_NTNV



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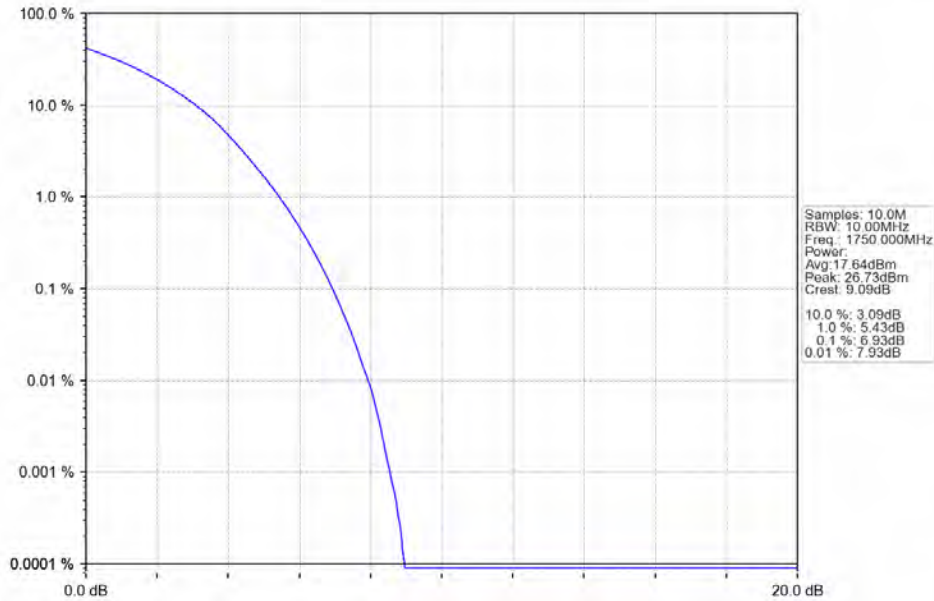
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5.5 B4_15MHz

5.5.1 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	5.45	<=13	Pass
	1732.5	75	0	5.24	<=13	Pass
	1747.5	75	0	5.37	<=13	Pass
16QAM	1717.5	75	0	6.28	<=13	Pass
	1732.5	75	0	6.07	<=13	Pass
	1747.5	75	0	6.21	<=13	Pass
64QAM	1717.5	75	0	6.69	<=13	Pass
	1732.5	75	0	6.53	<=13	Pass
	1747.5	75	0	12.07	<=13	Pass
256QAM	1717.5	75	0	6.96	<=13	Pass
	1732.5	75	0	6.94	<=13	Pass
	1747.5	75	0	7.00	<=13	Pass



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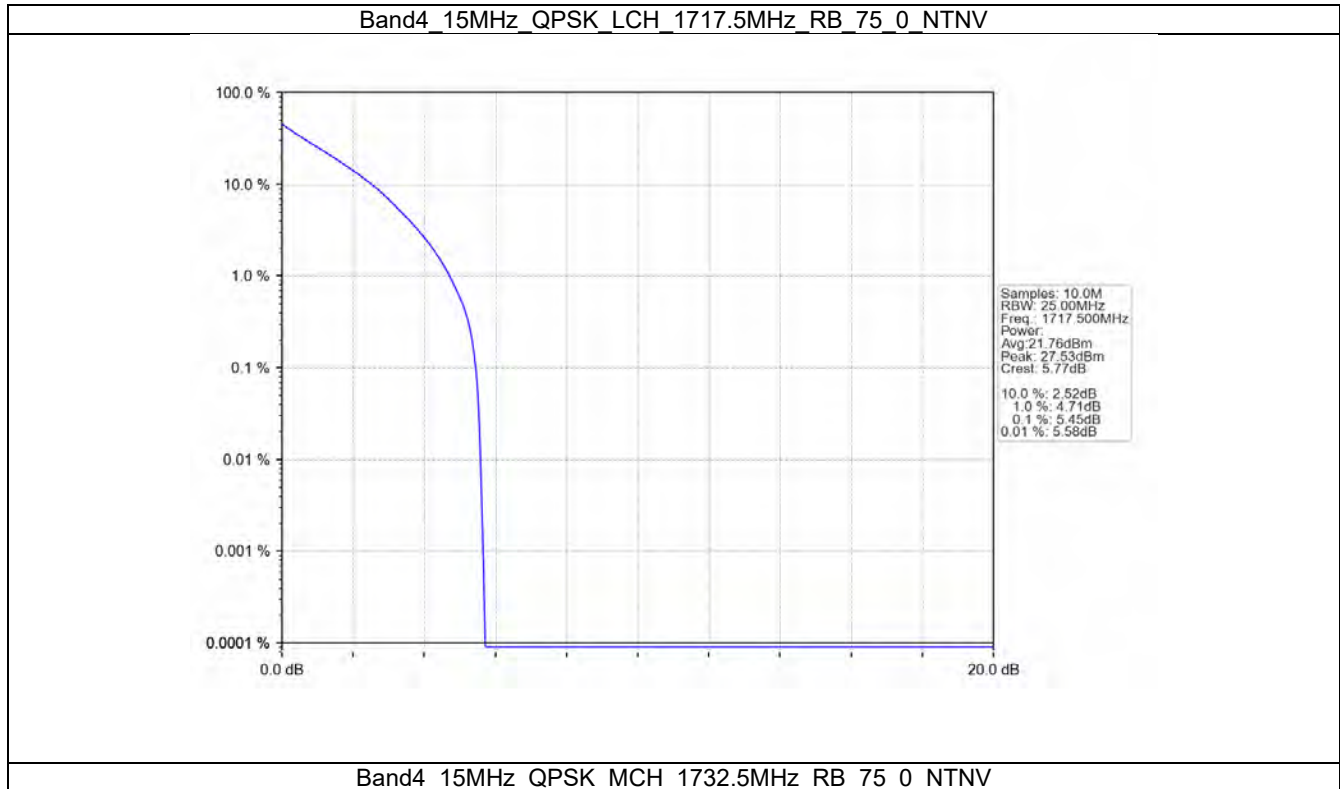
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5.5.2 Test Graph



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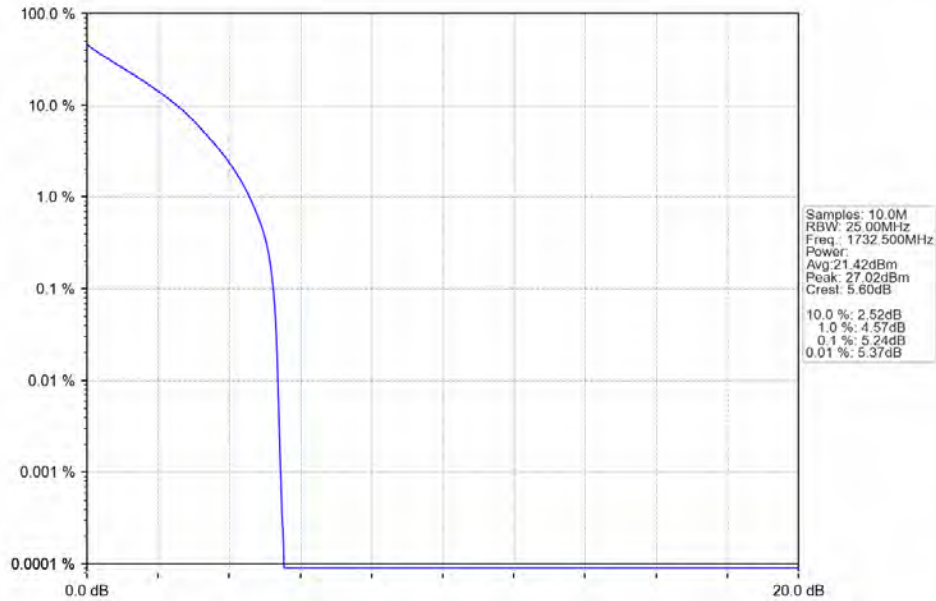
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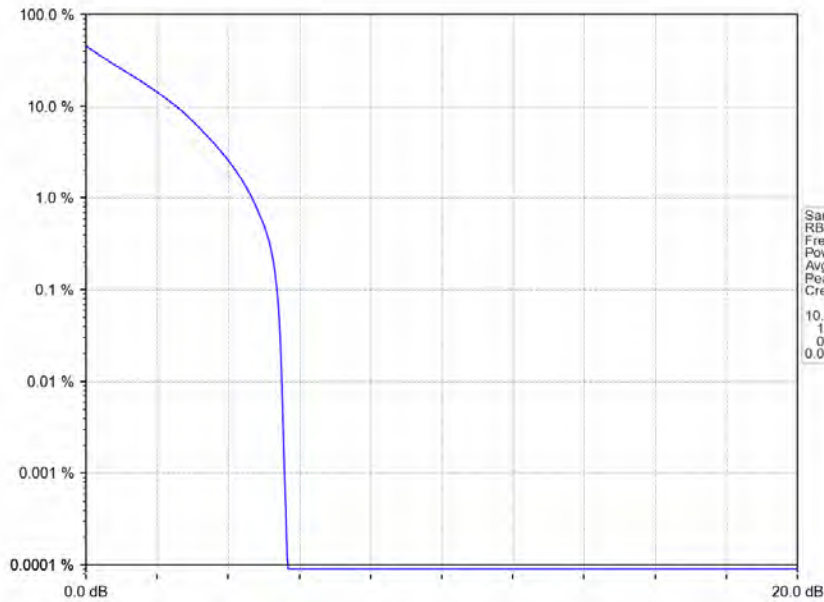
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



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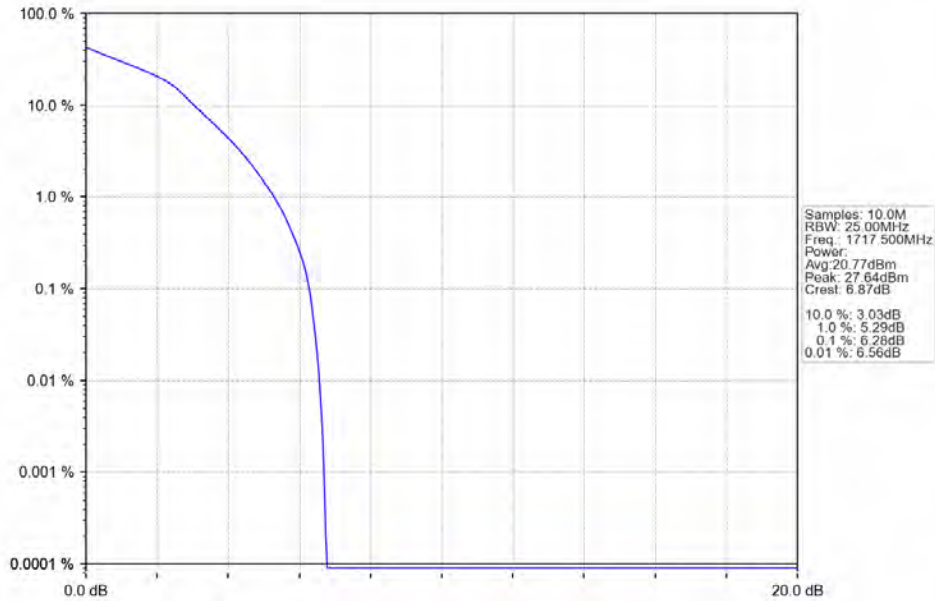
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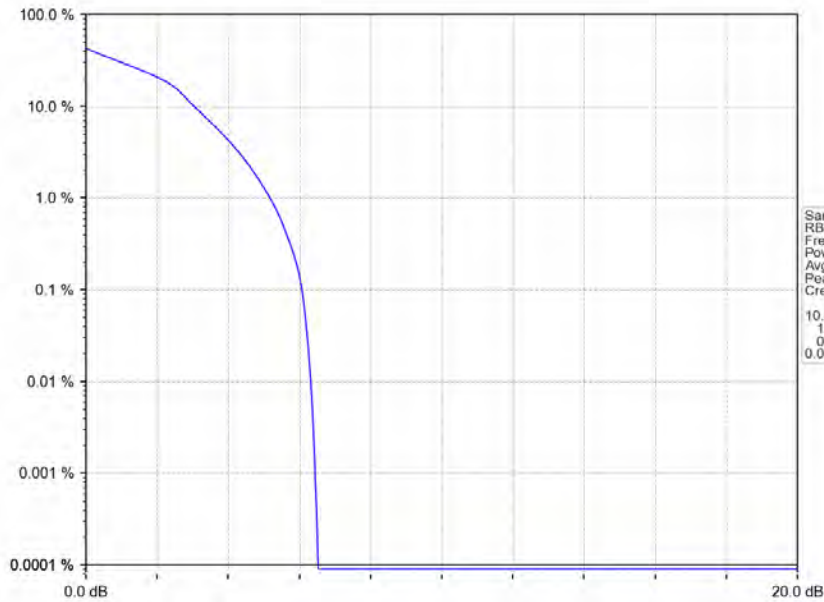
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Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



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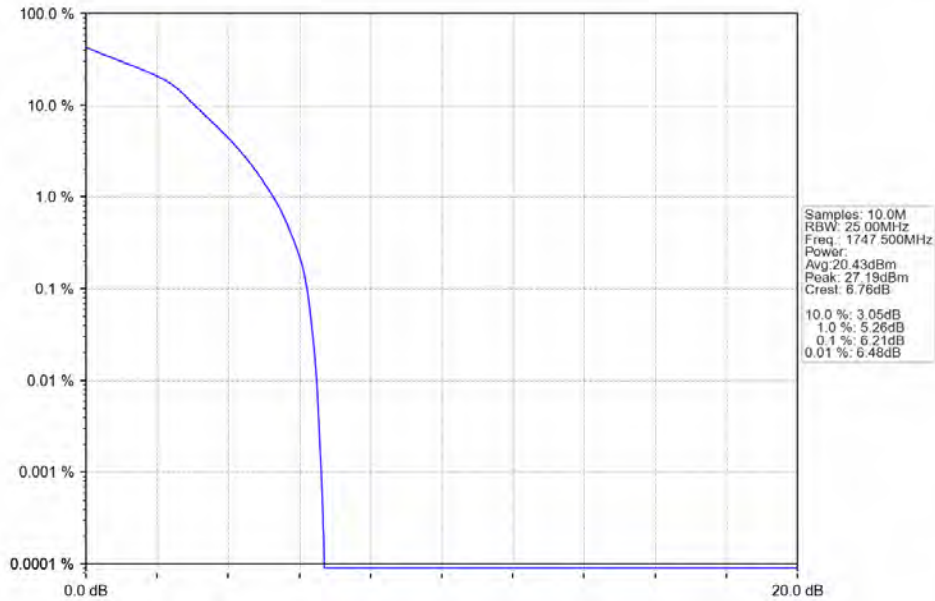
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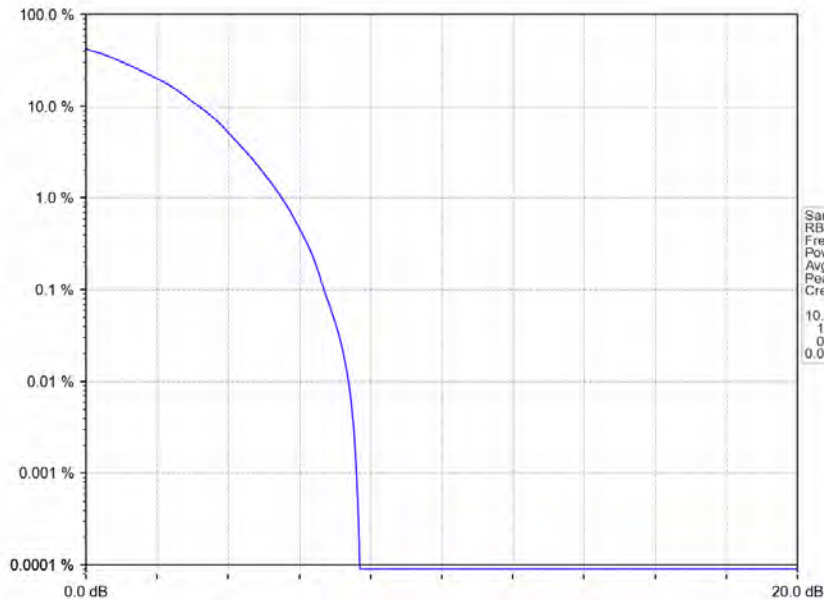
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Band4 15MHz 64QAM LCH 1717.5MHz RB 75 0 NTN



Samples: 10.0M
RBW: 25.00MHz
Freq: 1717.500MHz
Power:
Avg: 19.74dBm
Peak: 27.47dBm
Crest: 7.73dB
10.0%: 3.17dB
1.0%: 5.51dB
0.1%: 6.69dB
0.01%: 7.38dB

Band4 15MHz 64QAM MCH 1732.5MHz RB 75 0 NTN



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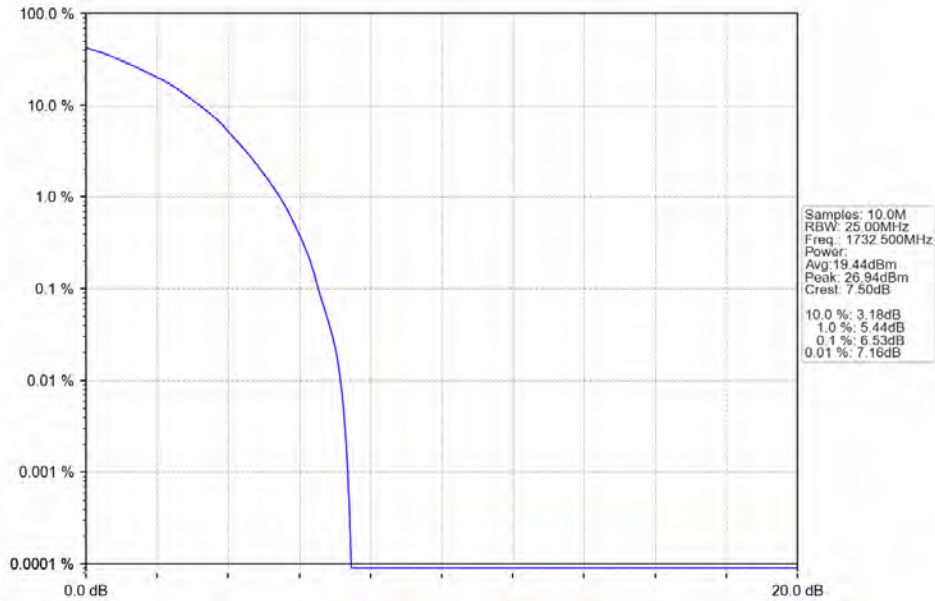
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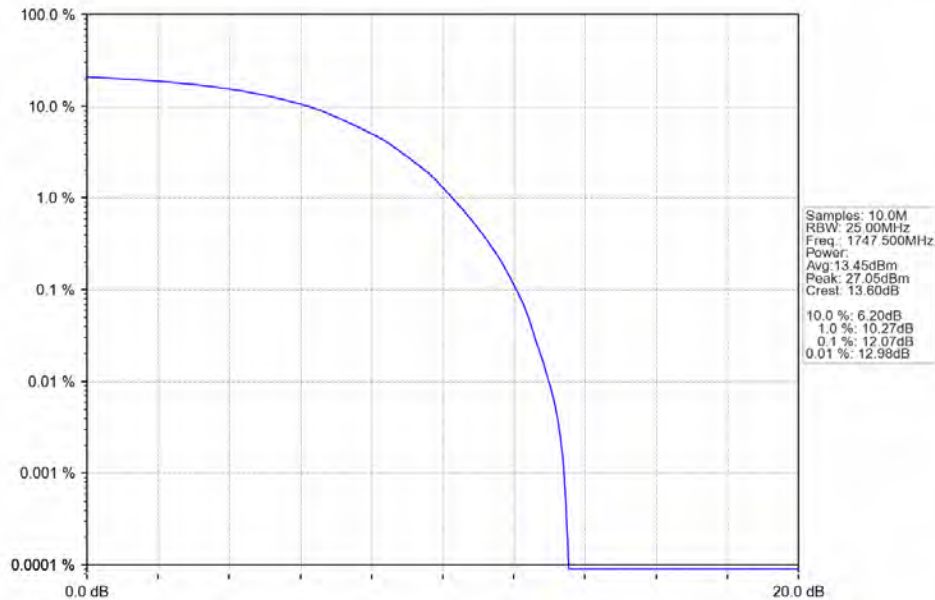
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Band4 15MHz 64QAM HCH 1747.5MHz RB 75 0 NTN



Band4 15MHz 256QAM LCH 1717.5MHz RB 75 0 NTN



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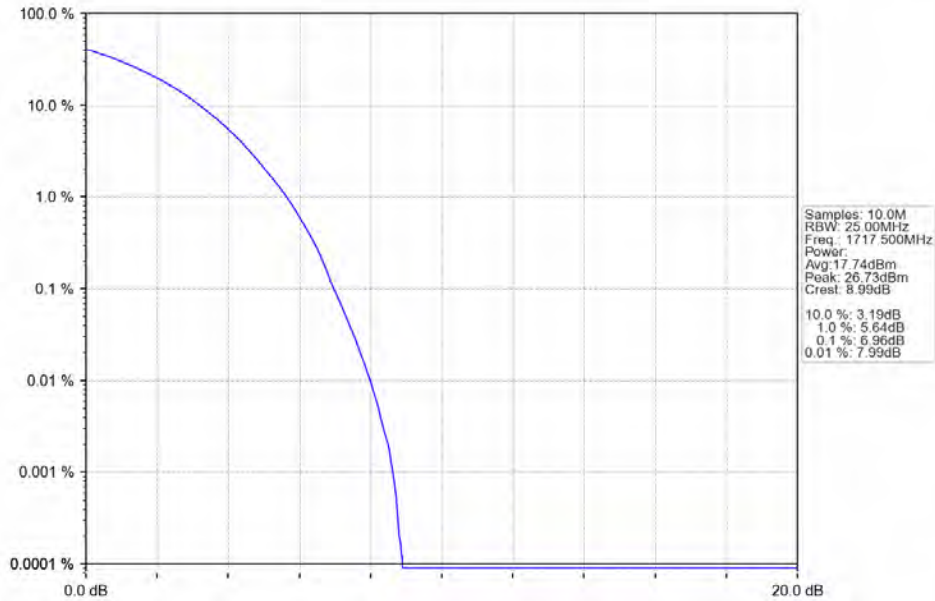
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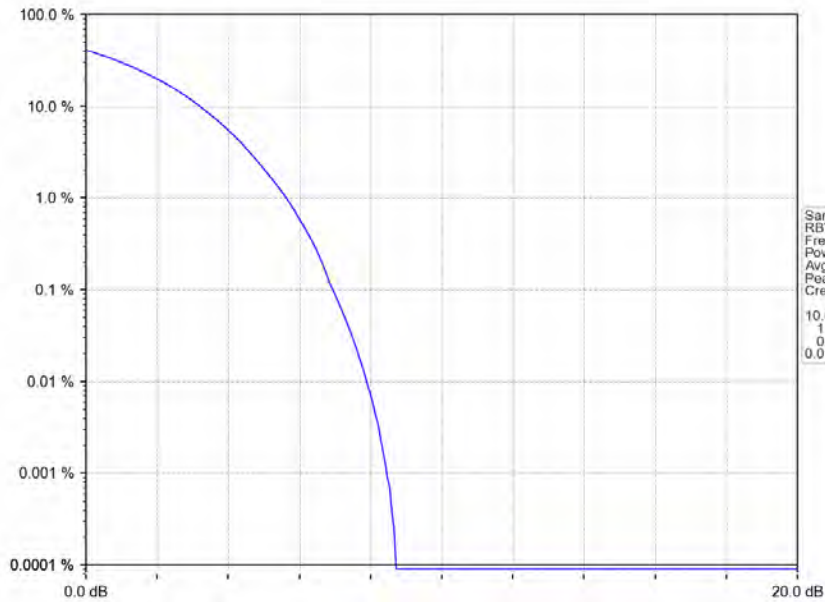
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Band4_15MHz_256QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_256QAM_HCH_1747.5MHz_RB_75_0_NTNV



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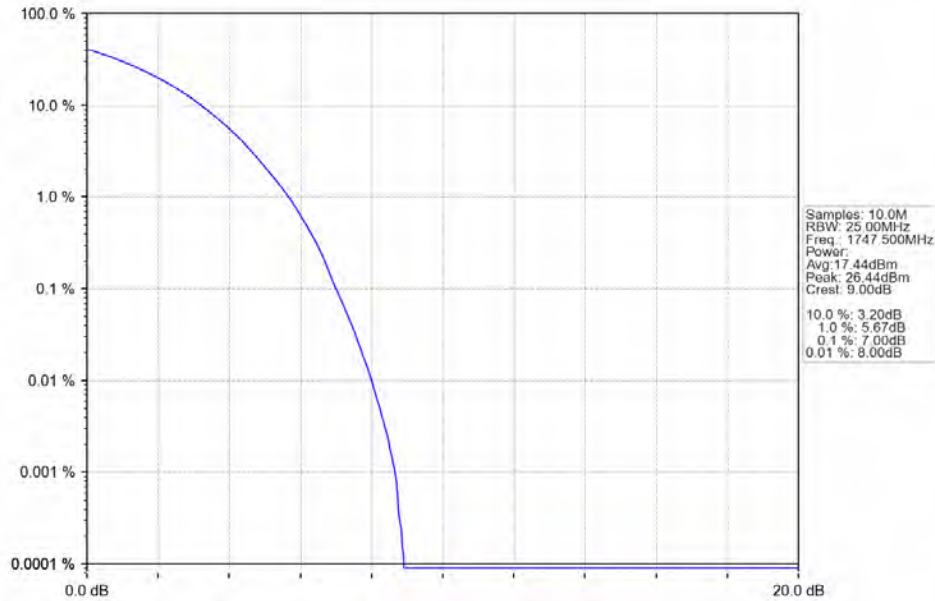
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5.6 B4_20MHz

5.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.33	<=13	Pass
	1732.5	100	0	5.25	<=13	Pass
	1745	100	0	5.35	<=13	Pass
16QAM	1720	100	0	6.20	<=13	Pass
	1732.5	100	0	6.11	<=13	Pass
	1745	100	0	6.20	<=13	Pass
64QAM	1720	100	0	6.63	<=13	Pass
	1732.5	100	0	11.06	<=13	Pass
	1745	100	0	11.78	<=13	Pass
256QAM	1720	100	0	6.92	<=13	Pass
	1732.5	100	0	6.89	<=13	Pass
	1745	100	0	6.94	<=13	Pass



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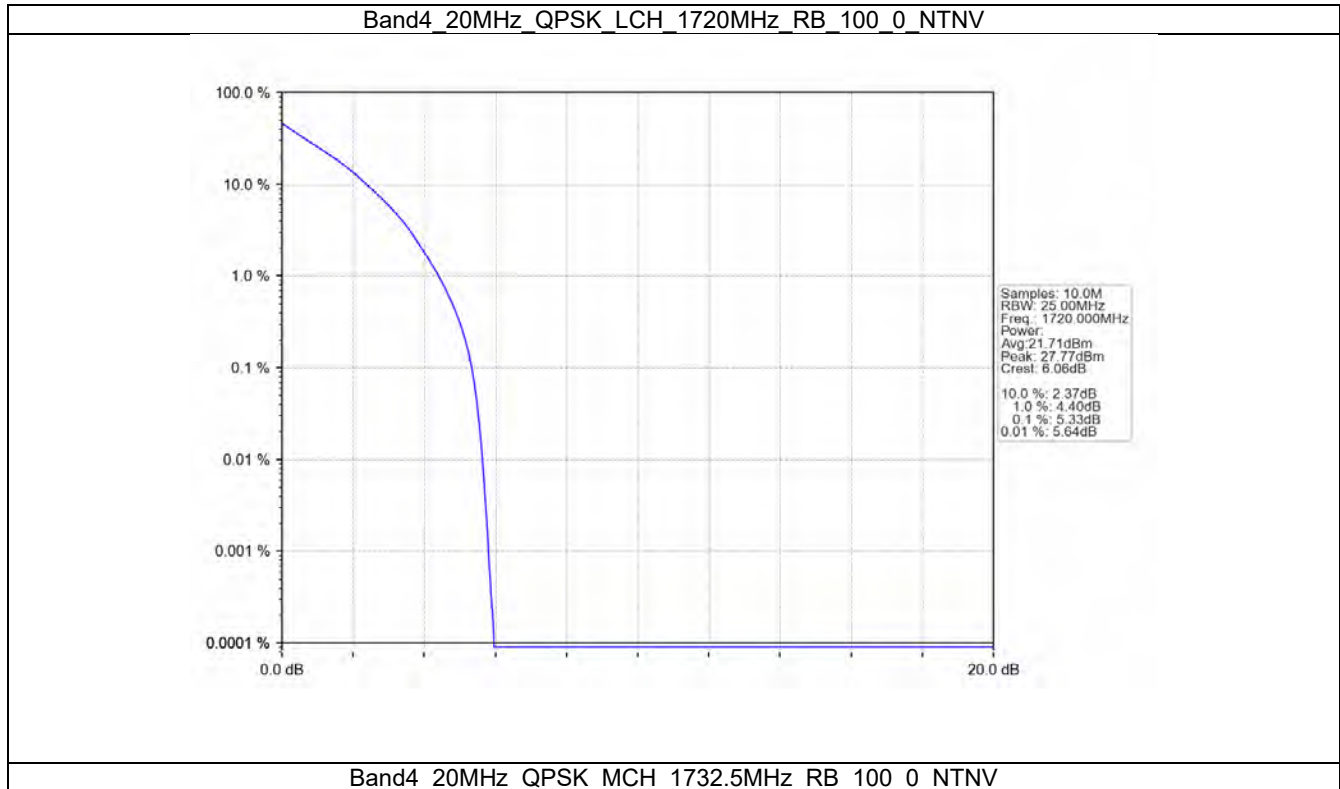
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5.6.2 Test Graph



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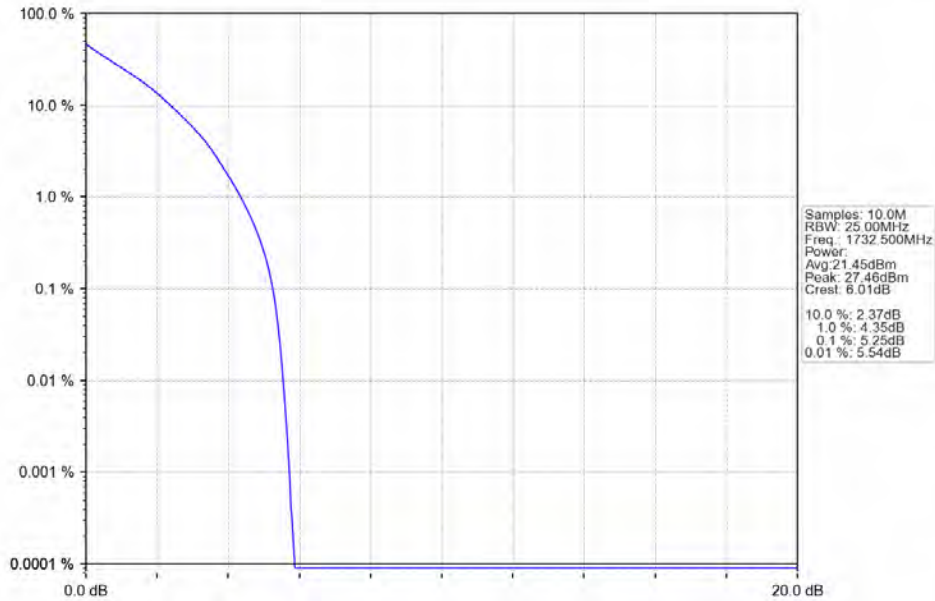
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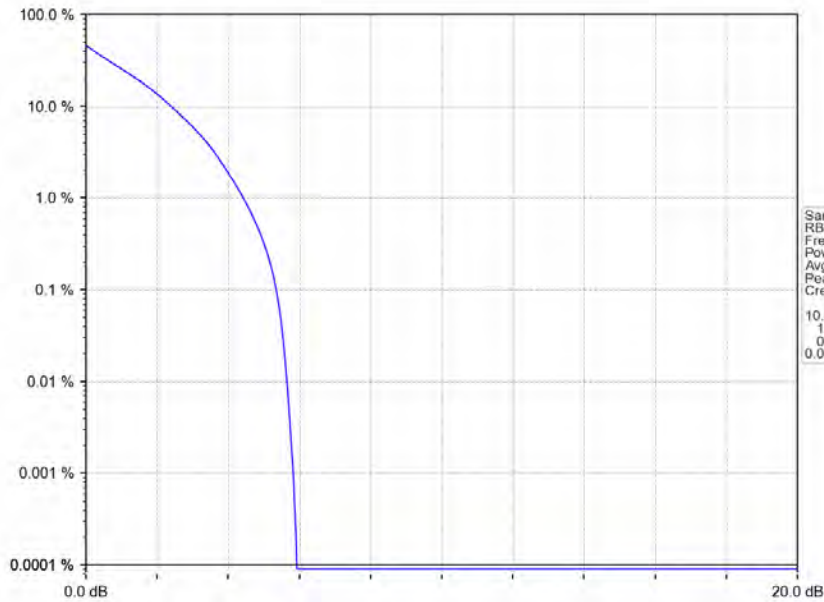
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Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 1745.000MHz
Power:
Avg 21.42dBm
Peak: 27.50dBm
Crest: 6.08dB
10.0%: 2.39dB
1.0%: 4.42dB
0.1%: 5.35dB
0.01%: 5.65dB

Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



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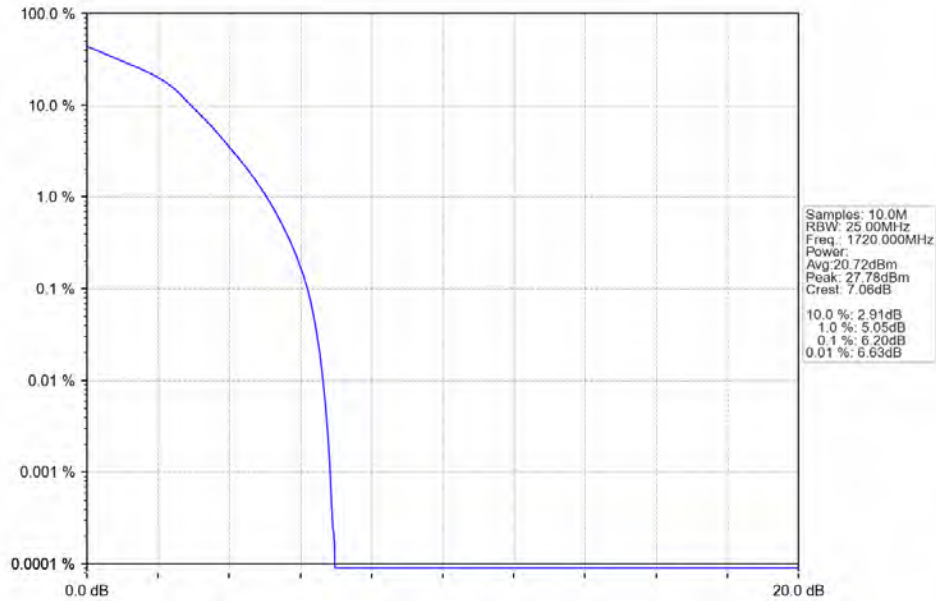
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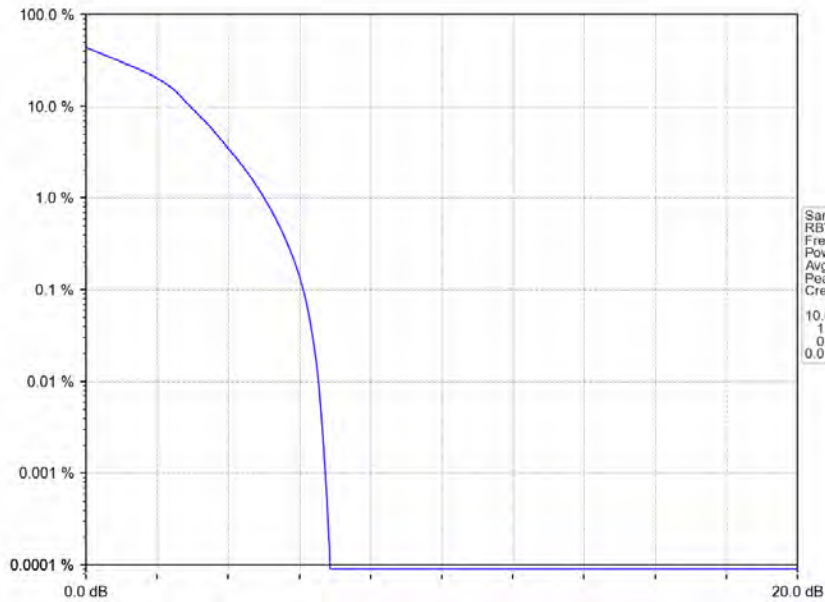
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Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq: 1732.500MHz
Power:
Avg: 20.46dBm
Peak: 27.45dBm
Crest: 6.99dB
10.0 %: 2.92dB
1.0 %: 5.01dB
0.1 %: 6.11dB
0.01 %: 6.54dB

Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



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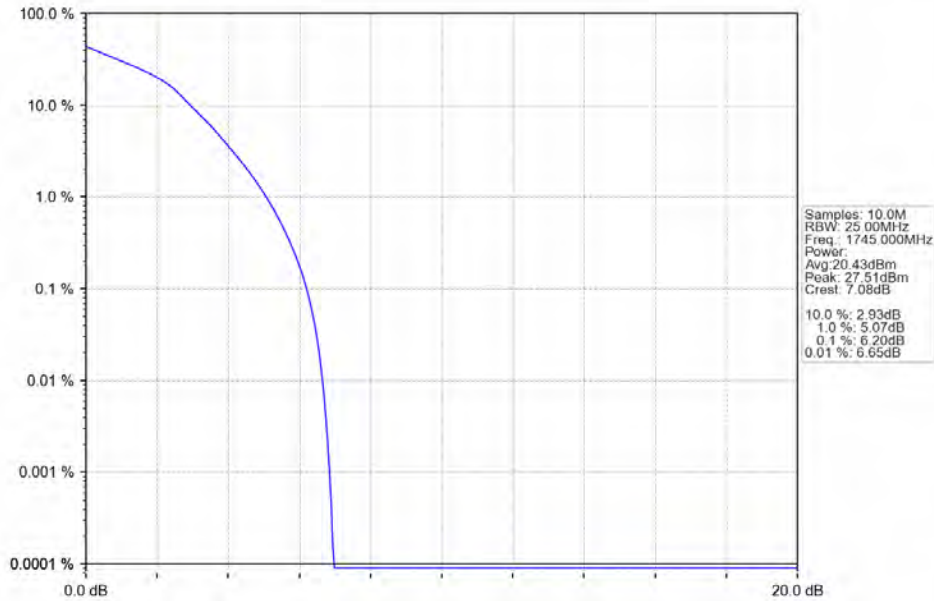
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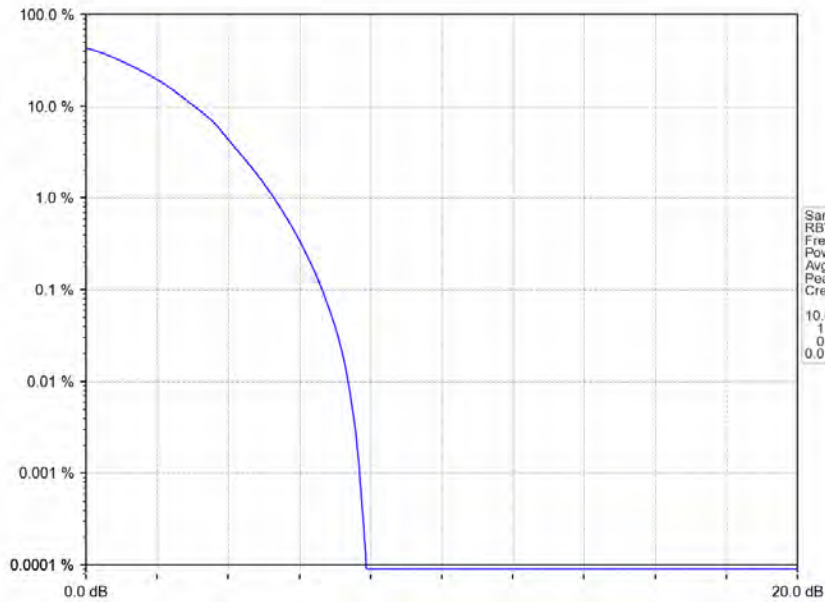
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Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



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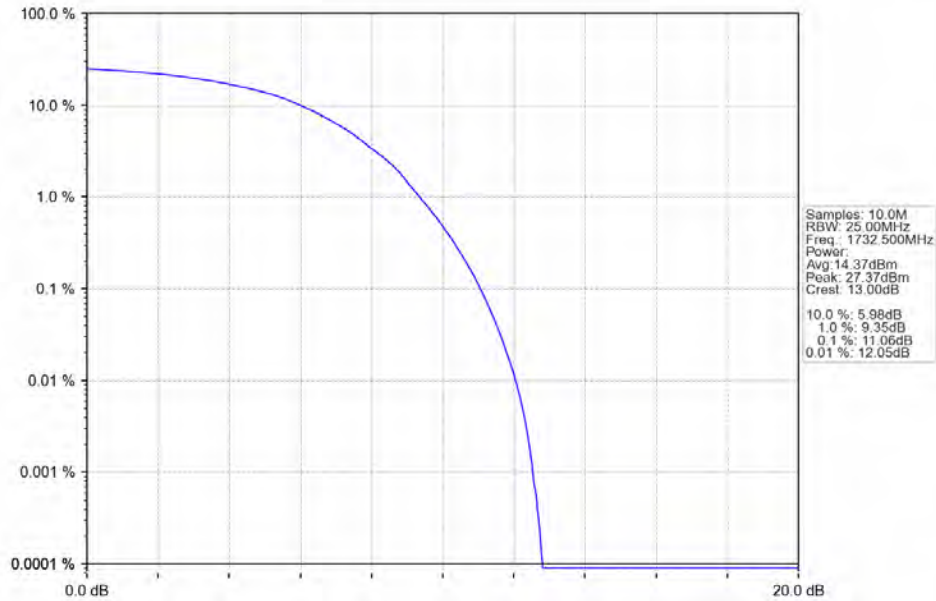
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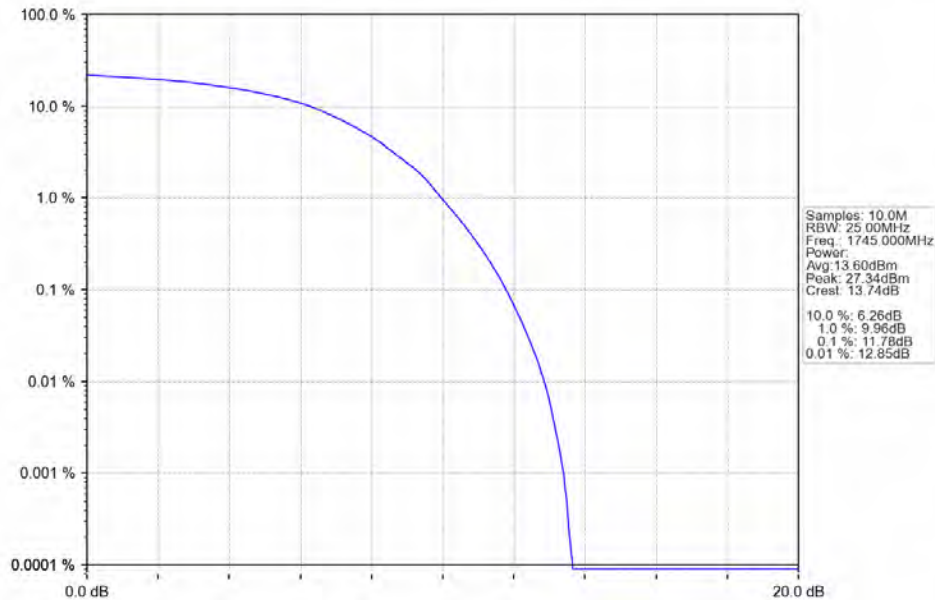
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Band4_20MHz_256QAM_LCH_1720MHz_RB_100_0_NTNV



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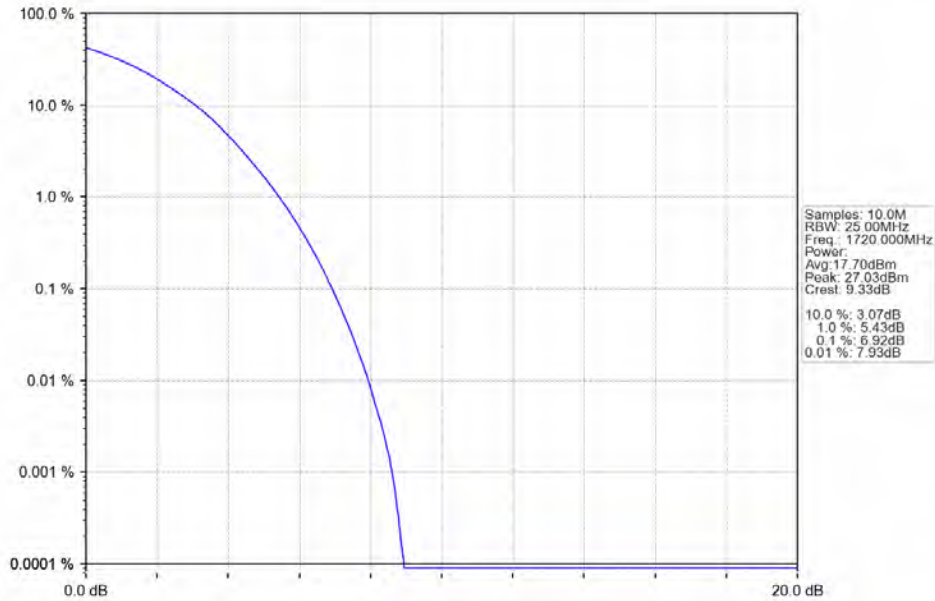
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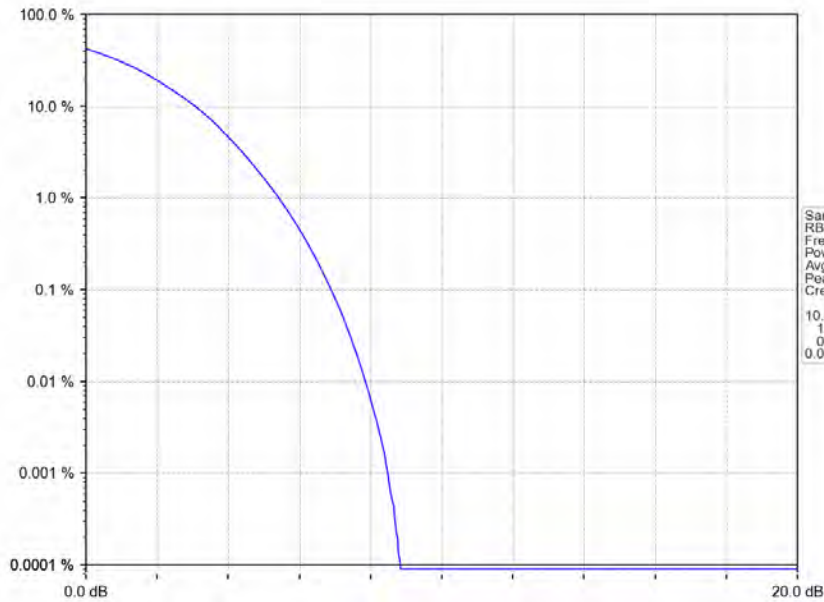
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Band4 20MHz 256QAM MCH 1732.5MHz RB 100 0 NTNV



Band4 20MHz 256QAM HCH 1745MHz RB 100 0 NTNV



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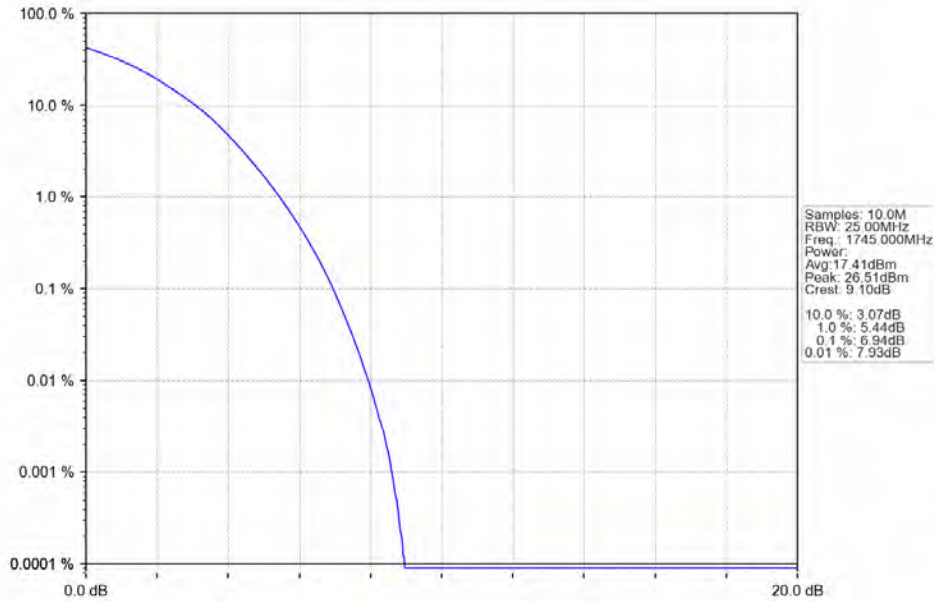
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6. Spurious Emission & Band Edges

6.1 B4_1.4MHz

6.1.1 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
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass



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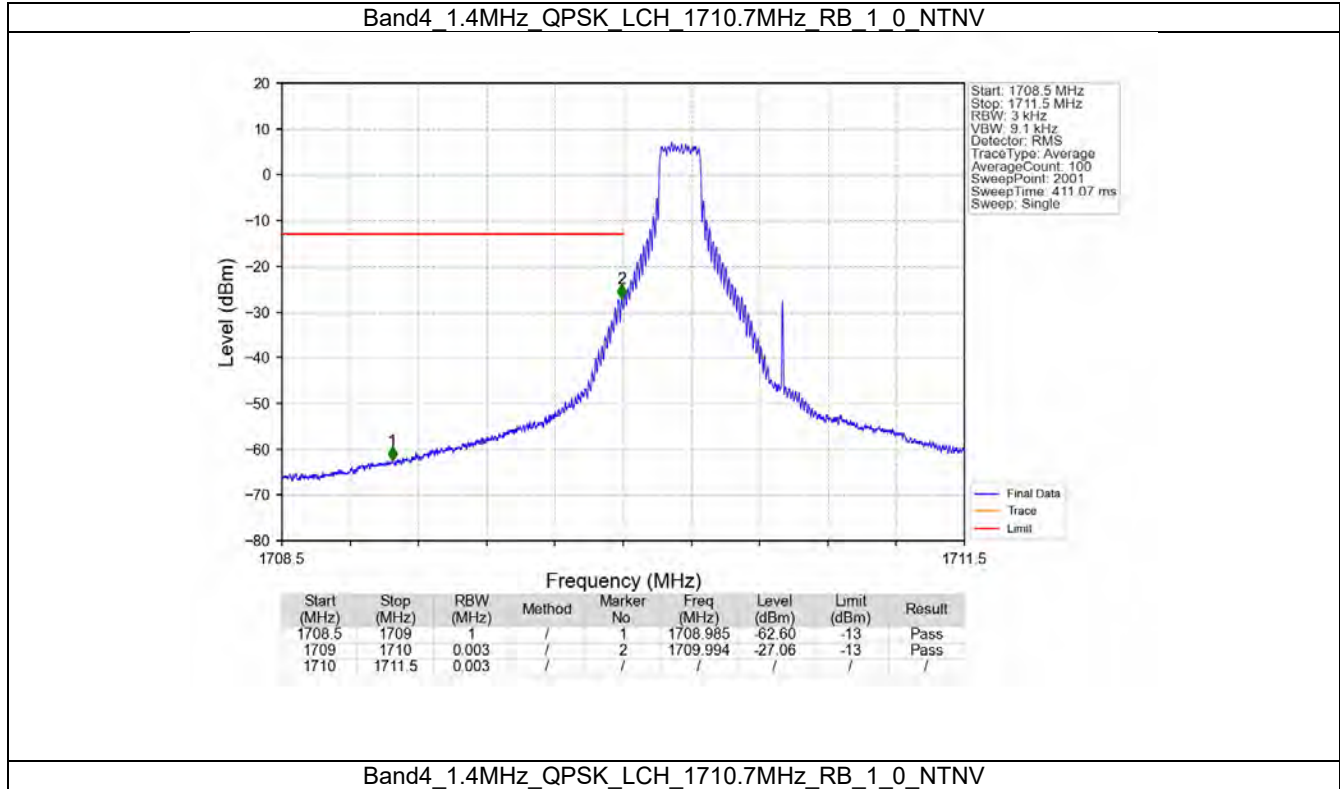
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6.1.2 Test Graph



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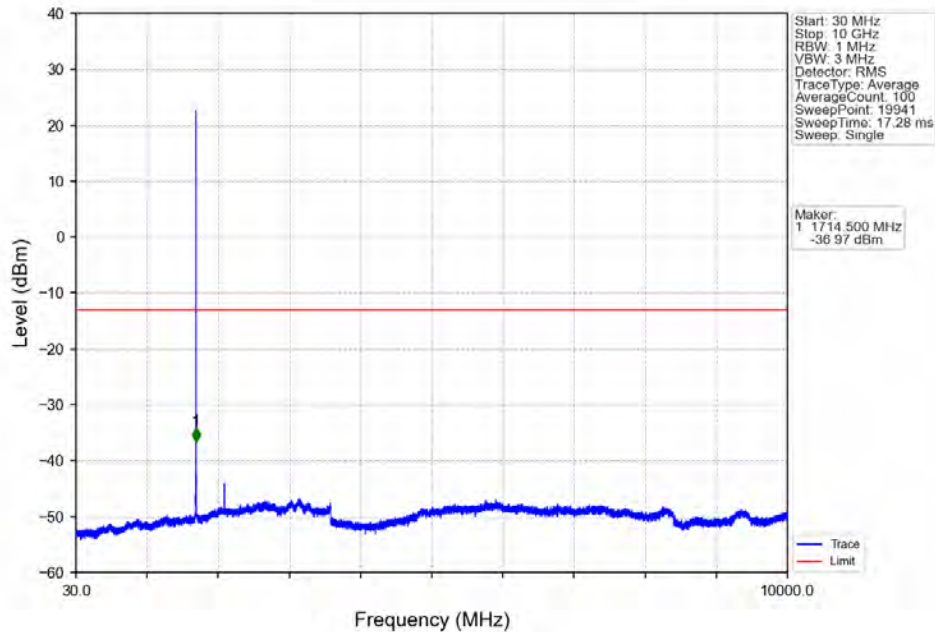
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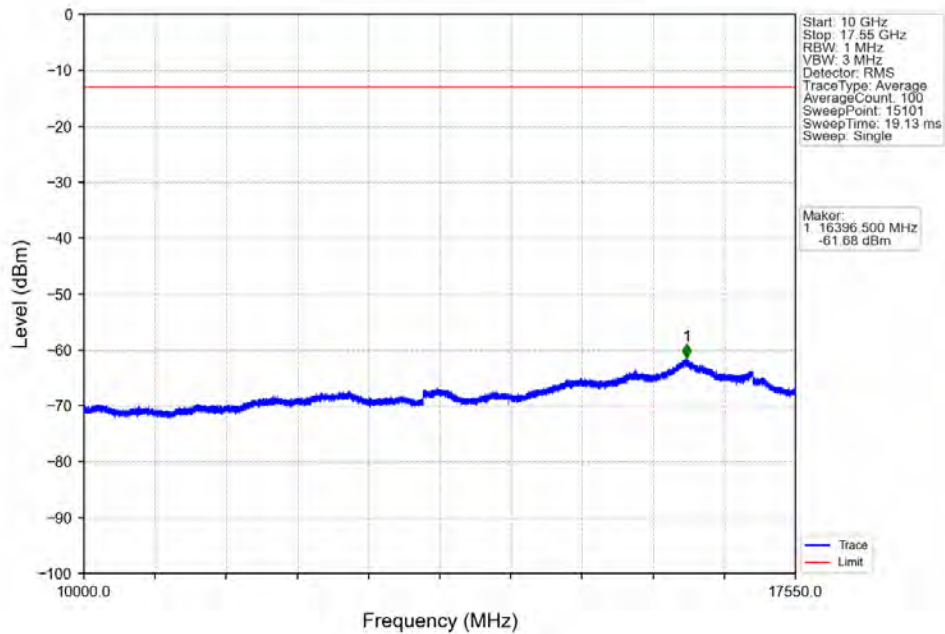
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Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



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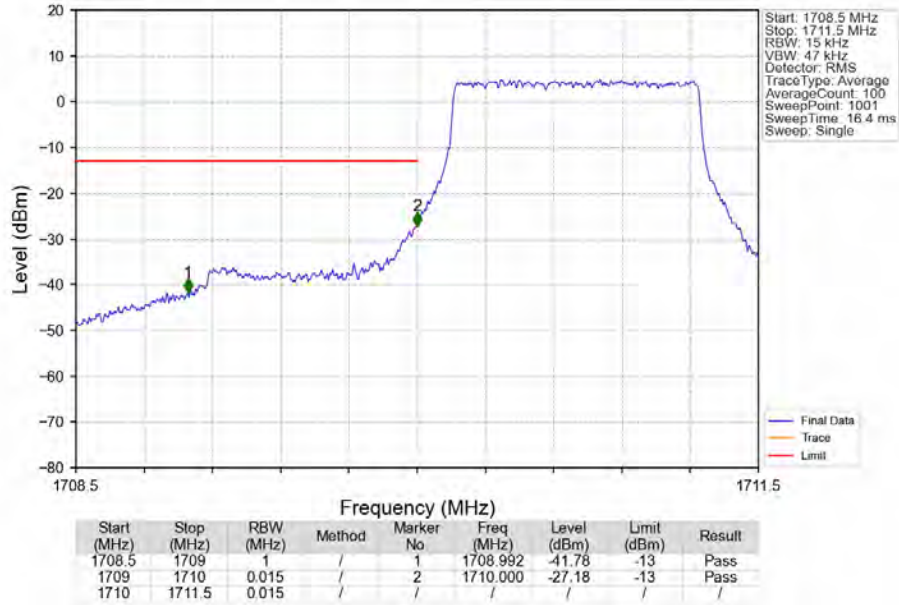
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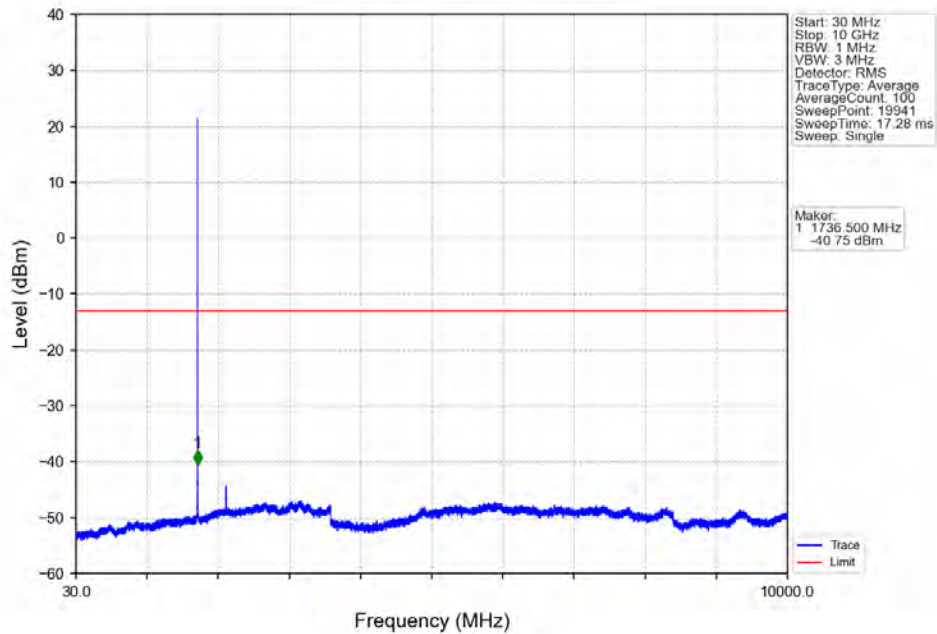
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Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



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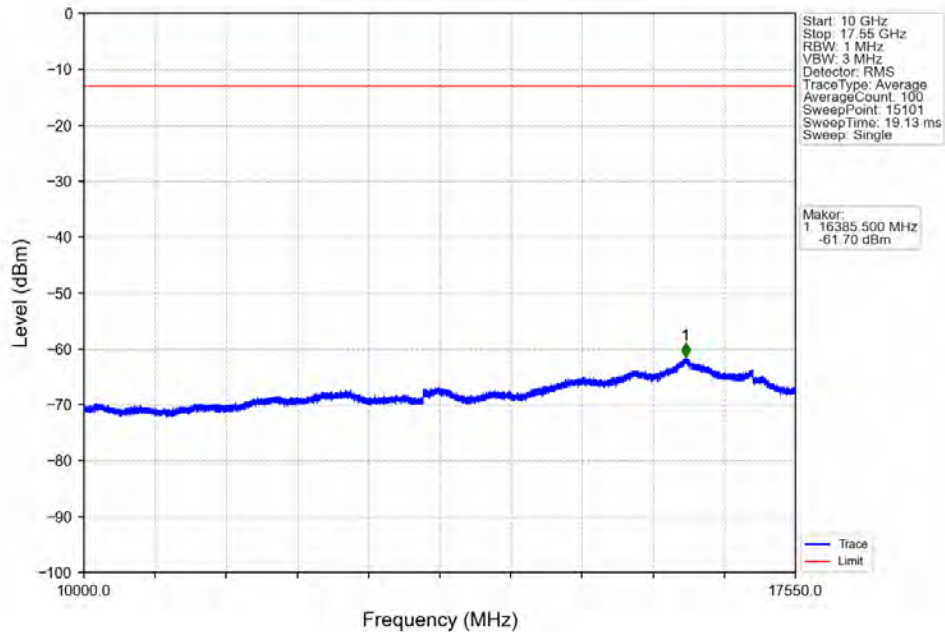
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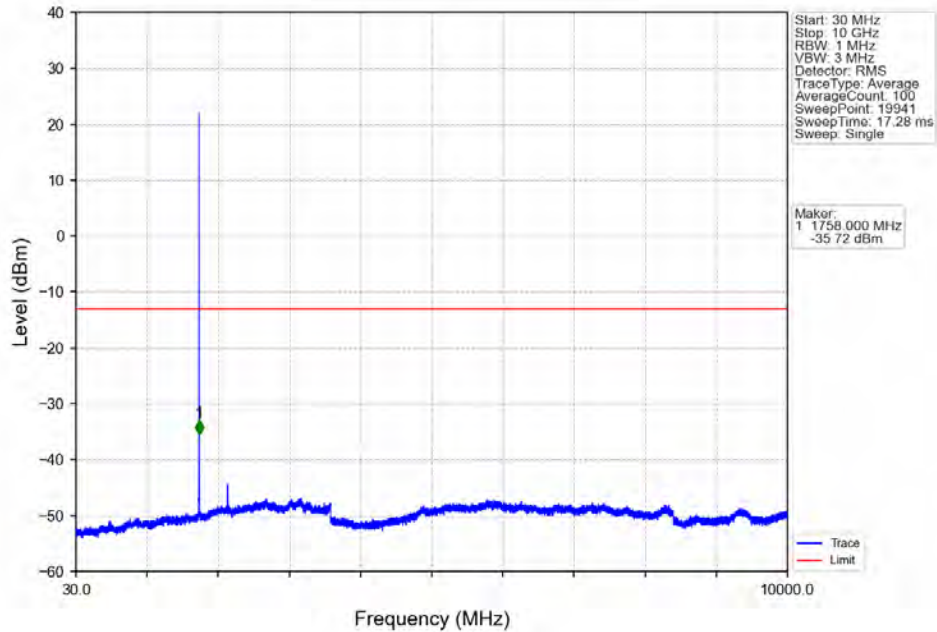
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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



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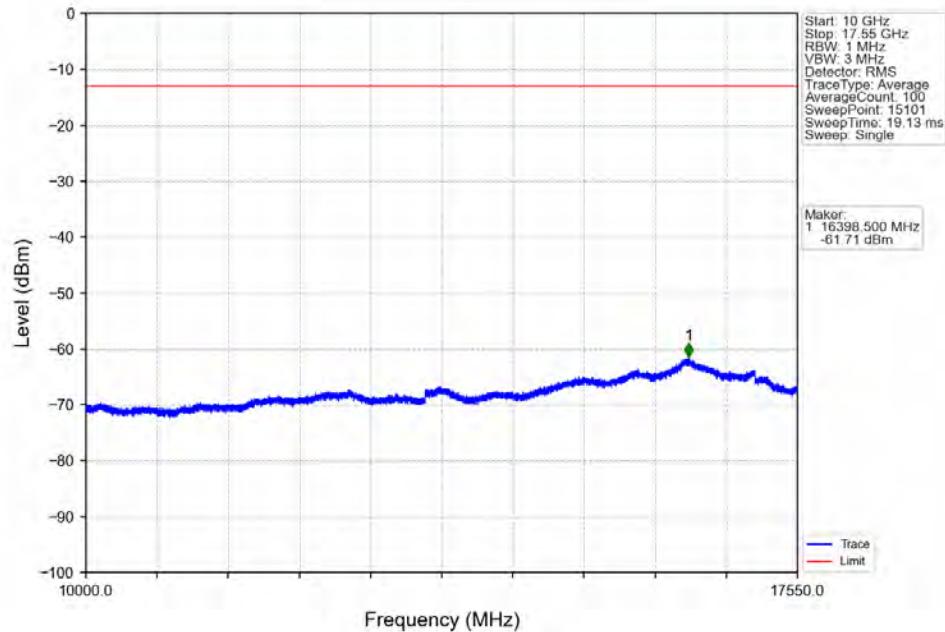
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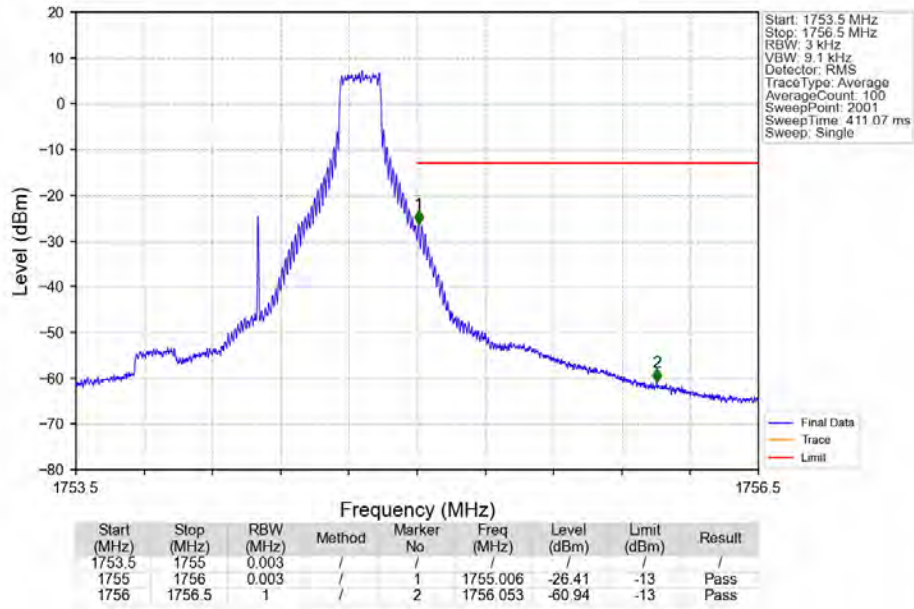
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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



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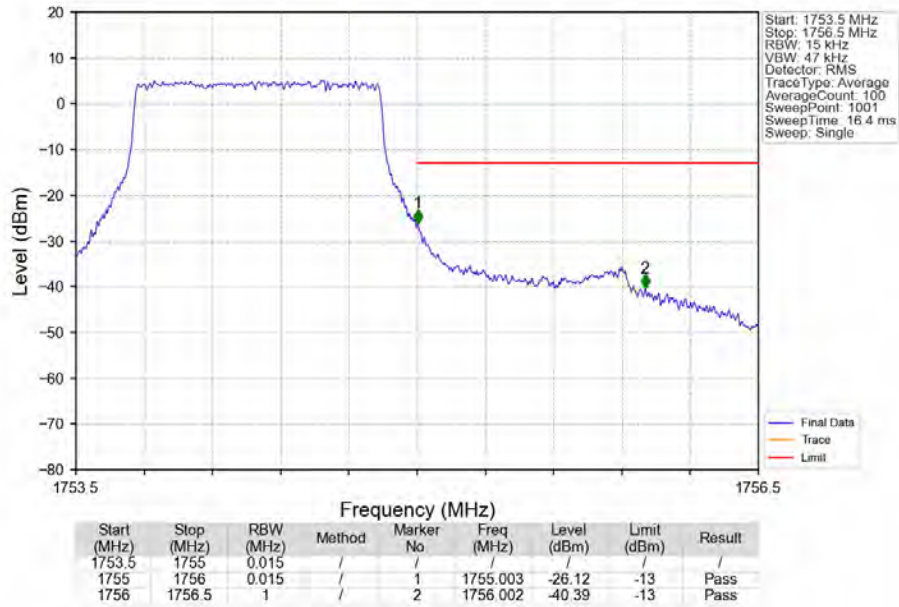
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6.2 B4_3MHz

6.2.1 Test Result

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



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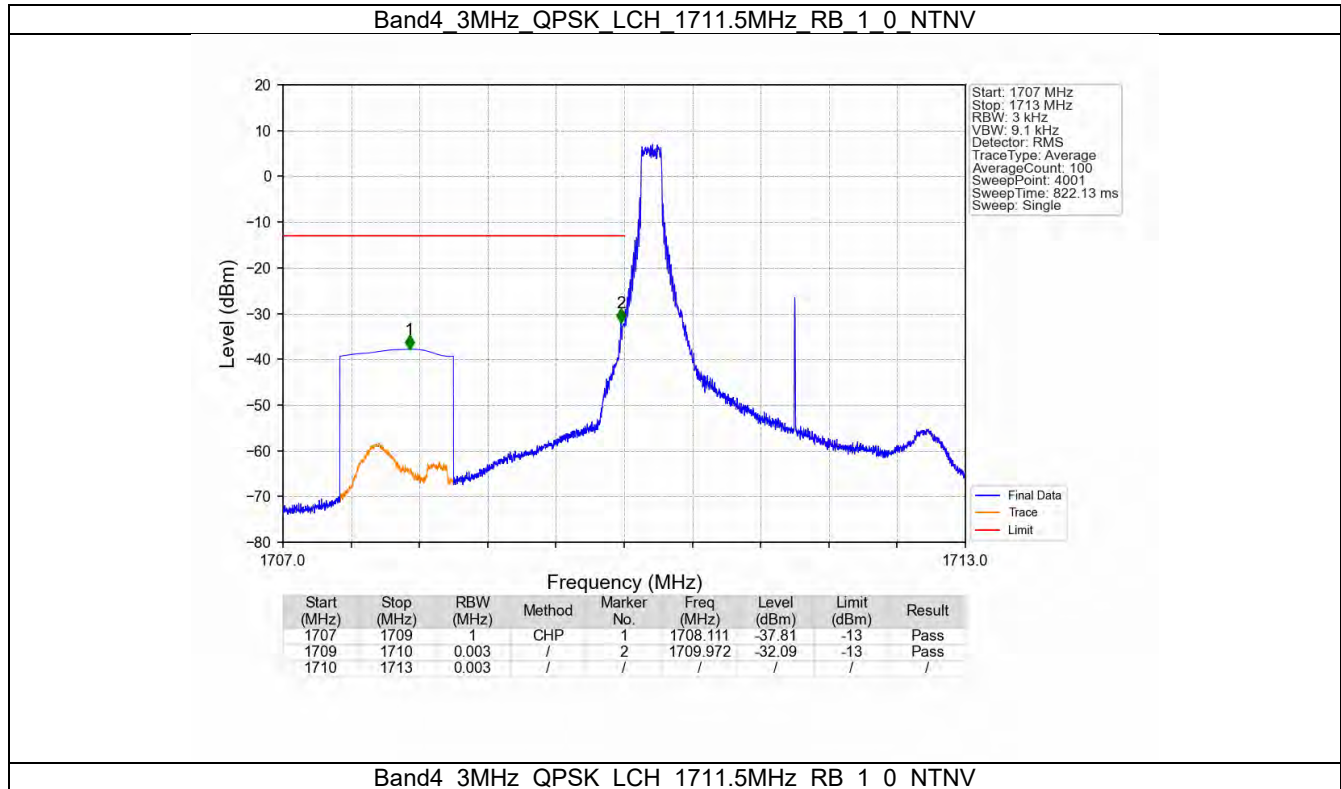
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6.2.2 Test Graph



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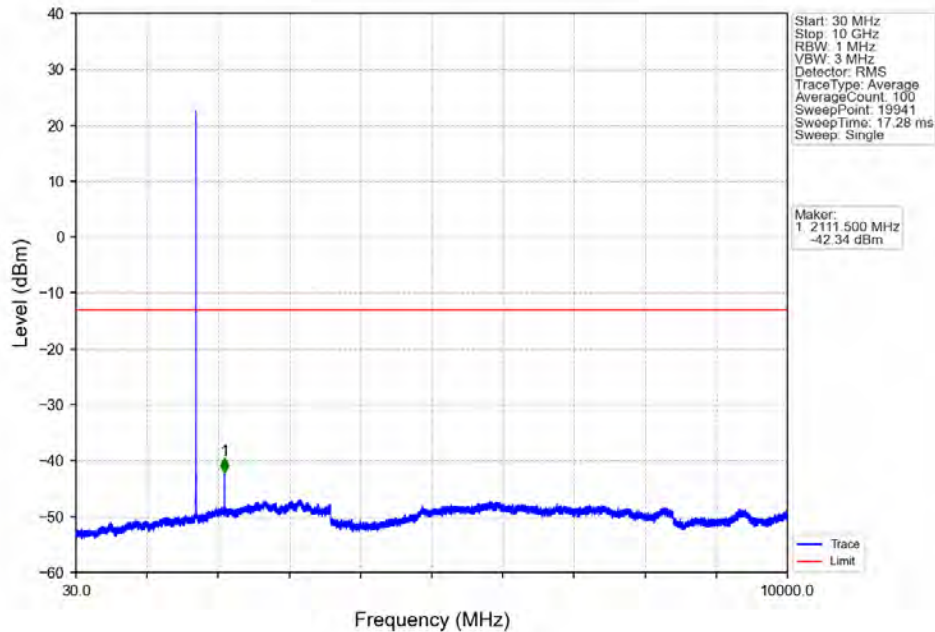
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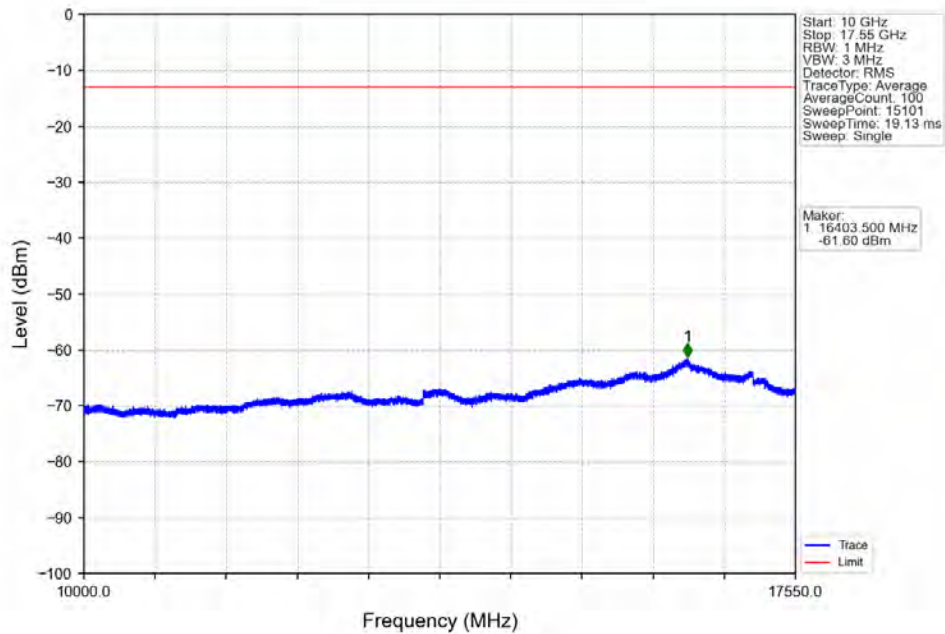
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Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



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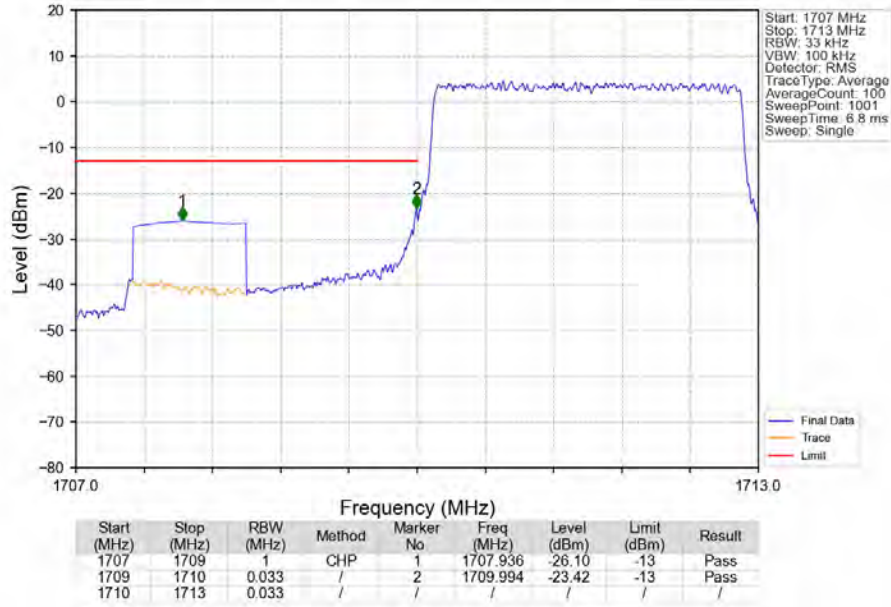
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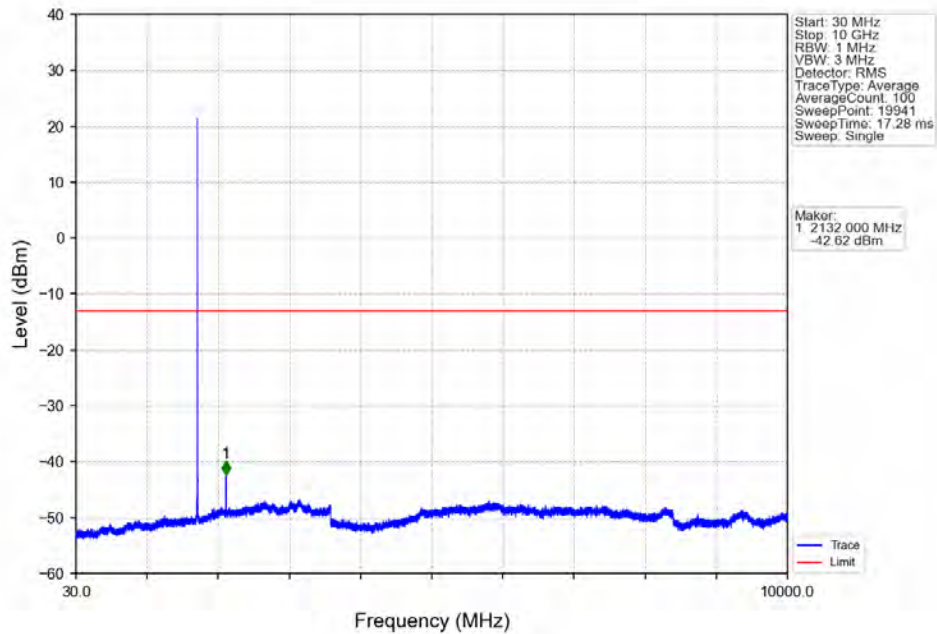
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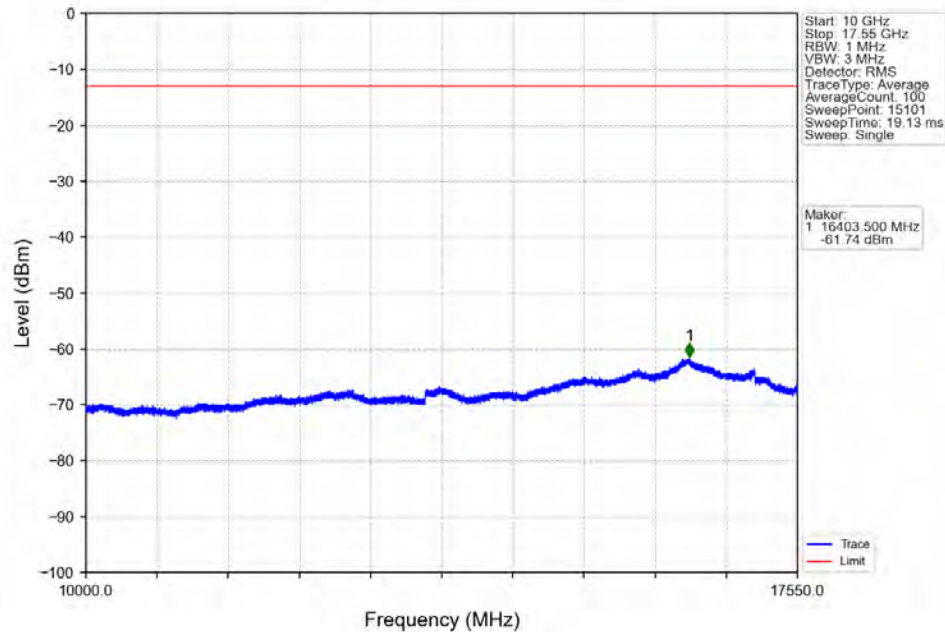
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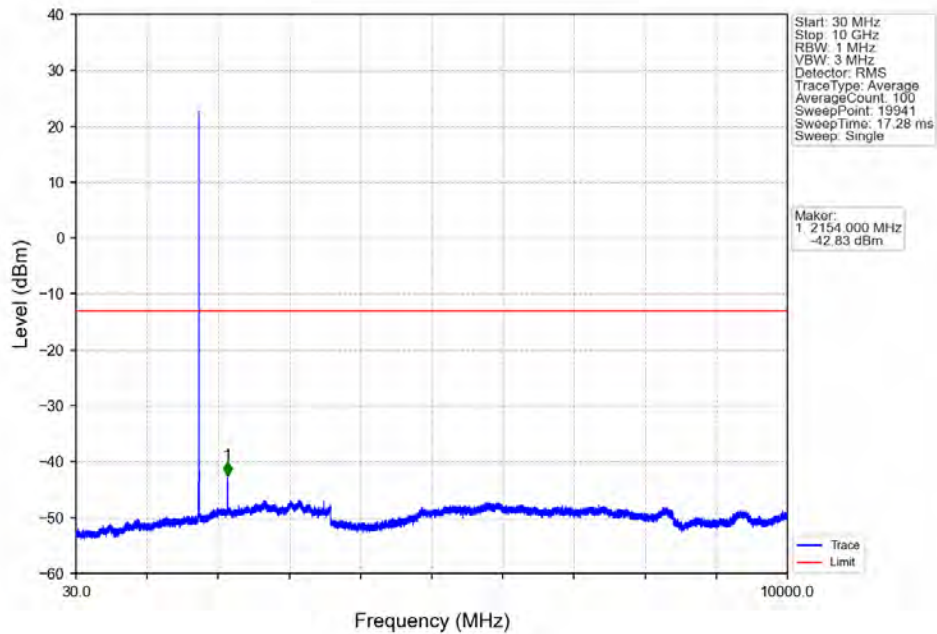
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Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



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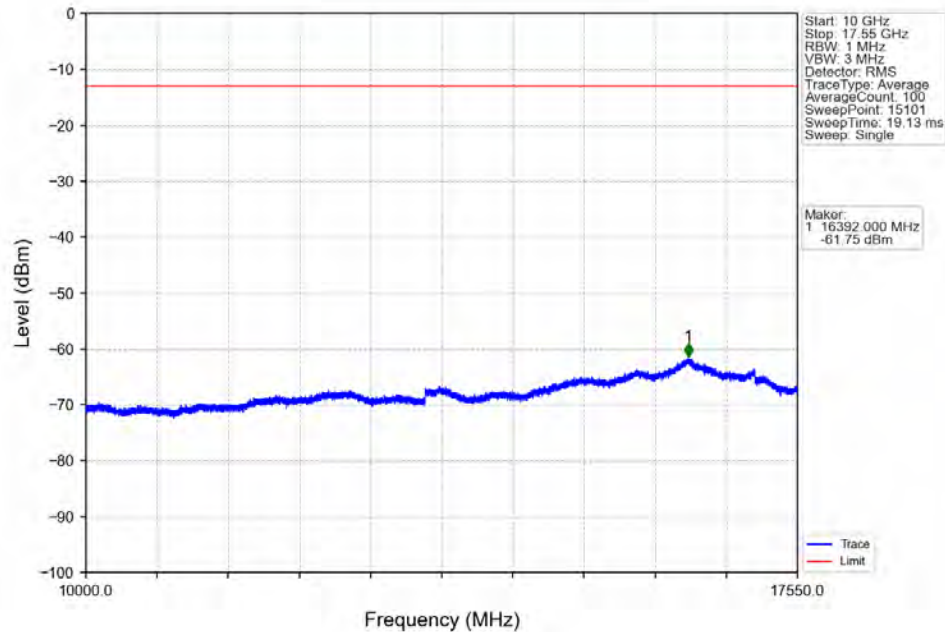
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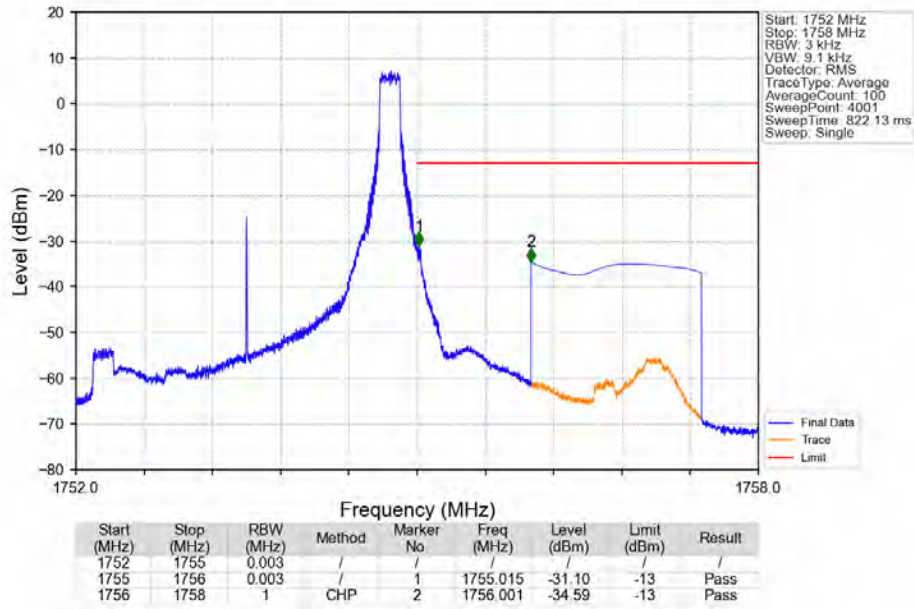
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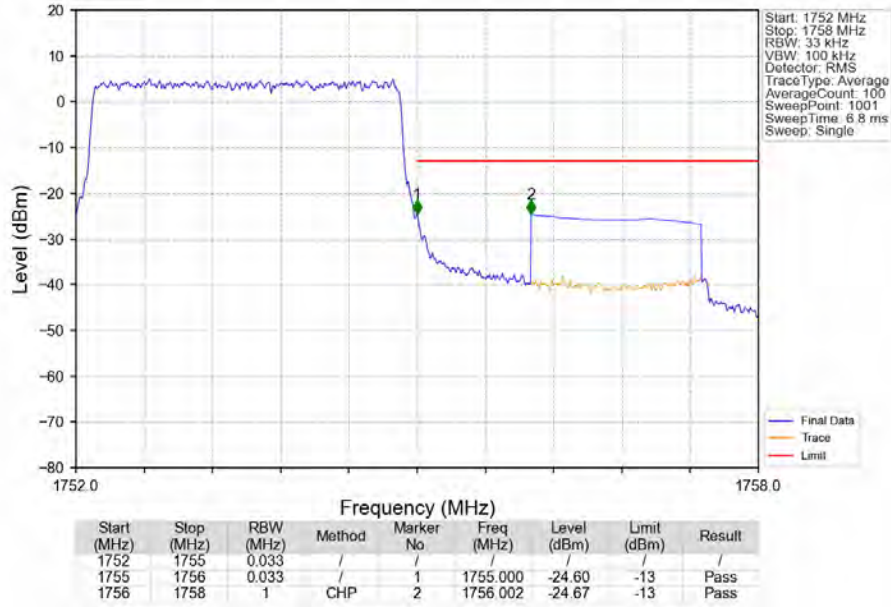
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6.3 B4_5MHz

6.3.1 Test Result

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



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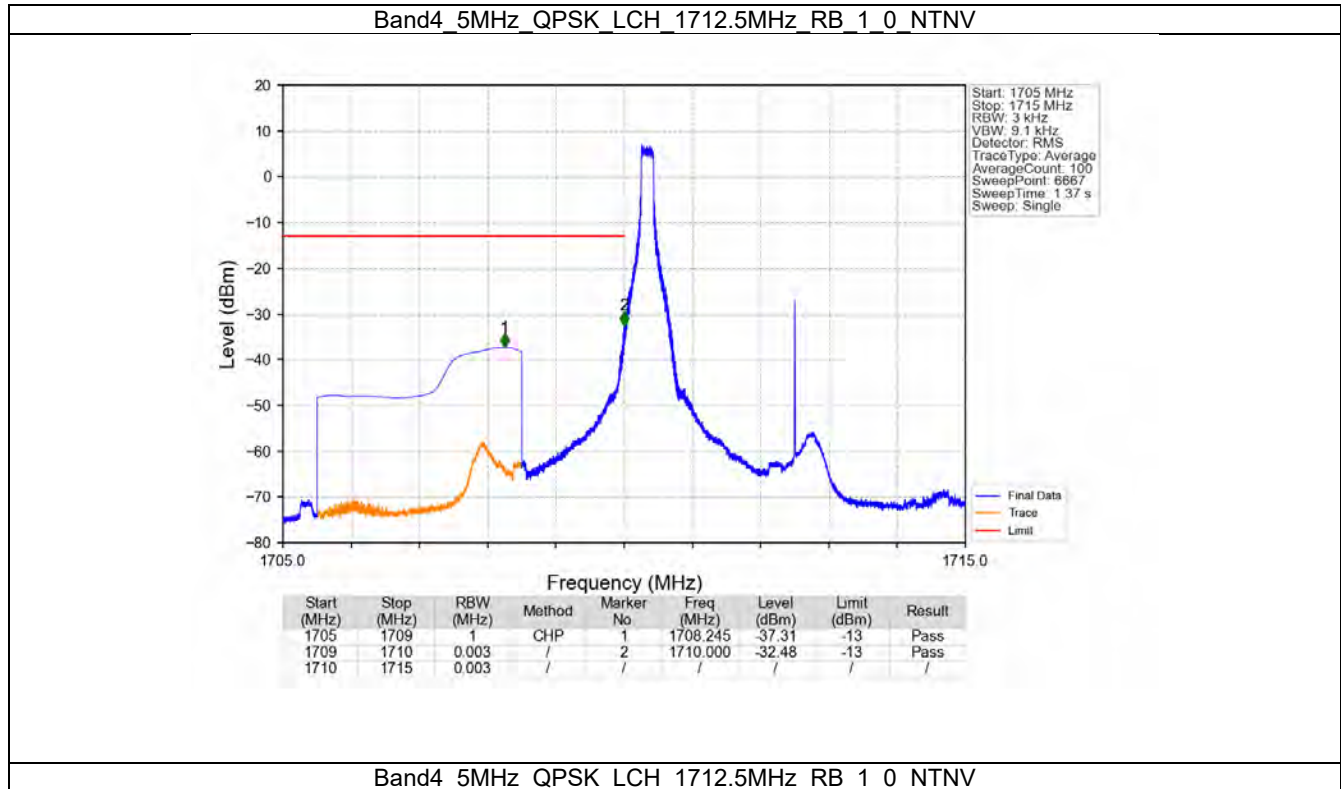
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6.3.2 Test Graph



Band4 5MHz QPSK LCH 1712.5MHz RB 1 0 NTN



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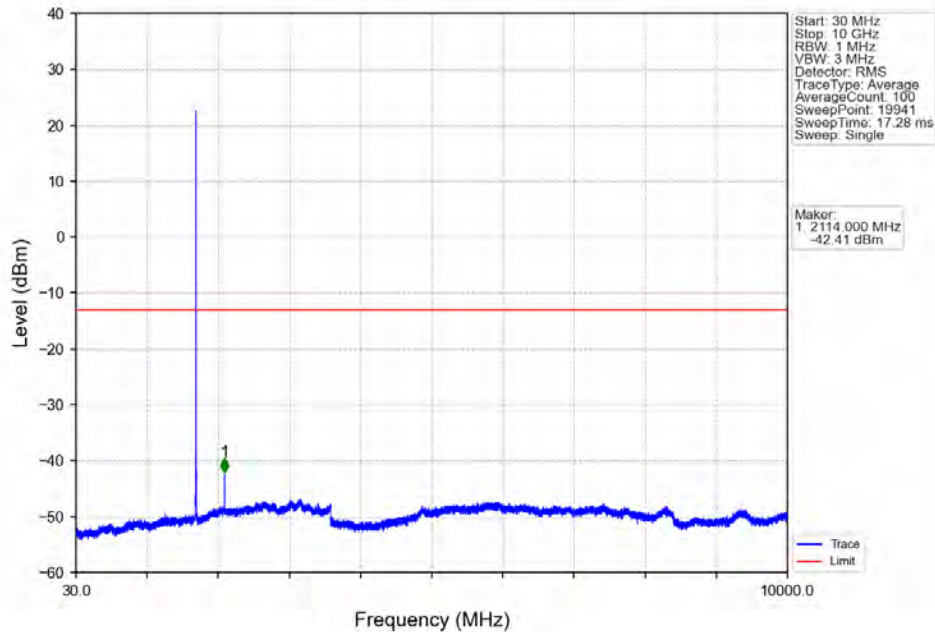
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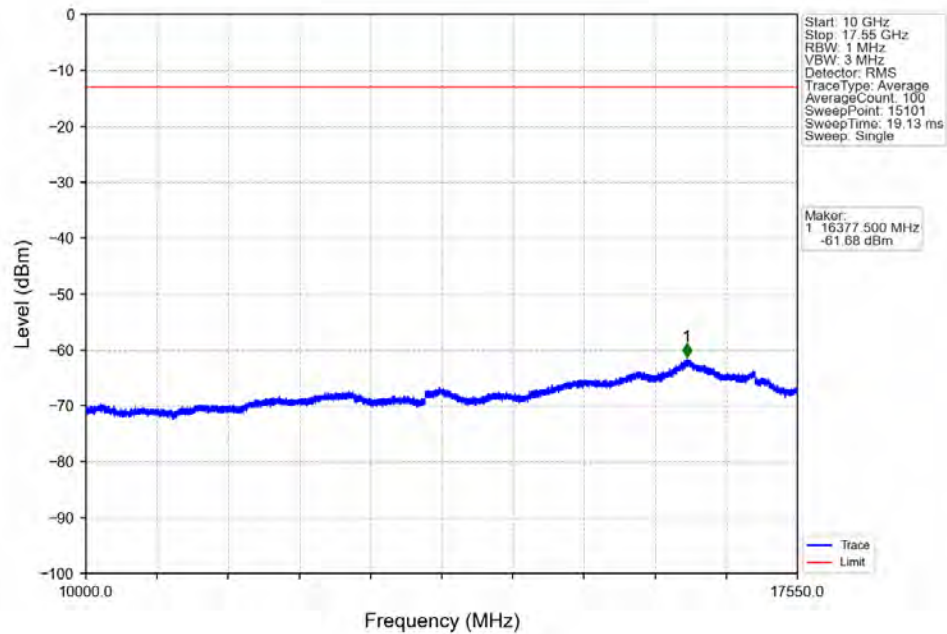
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Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



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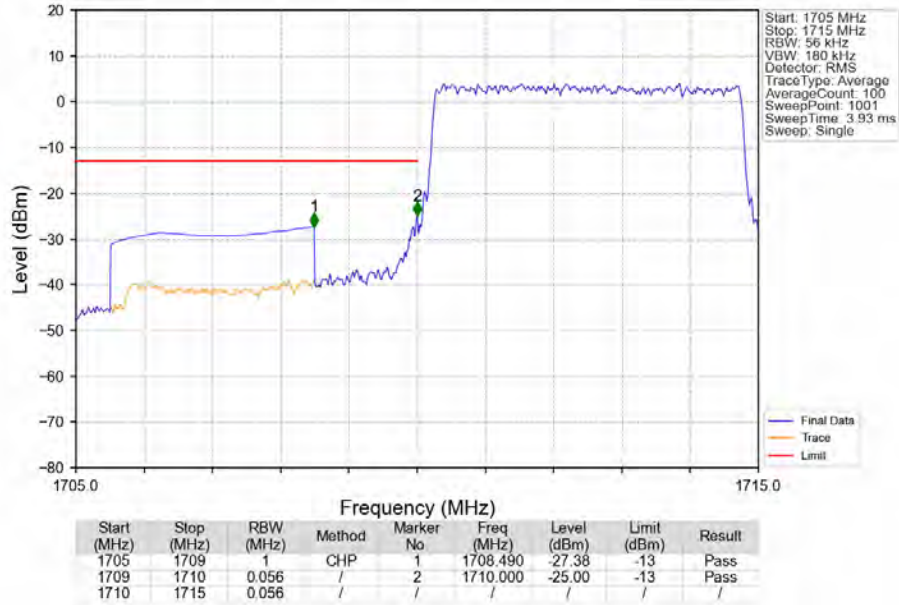
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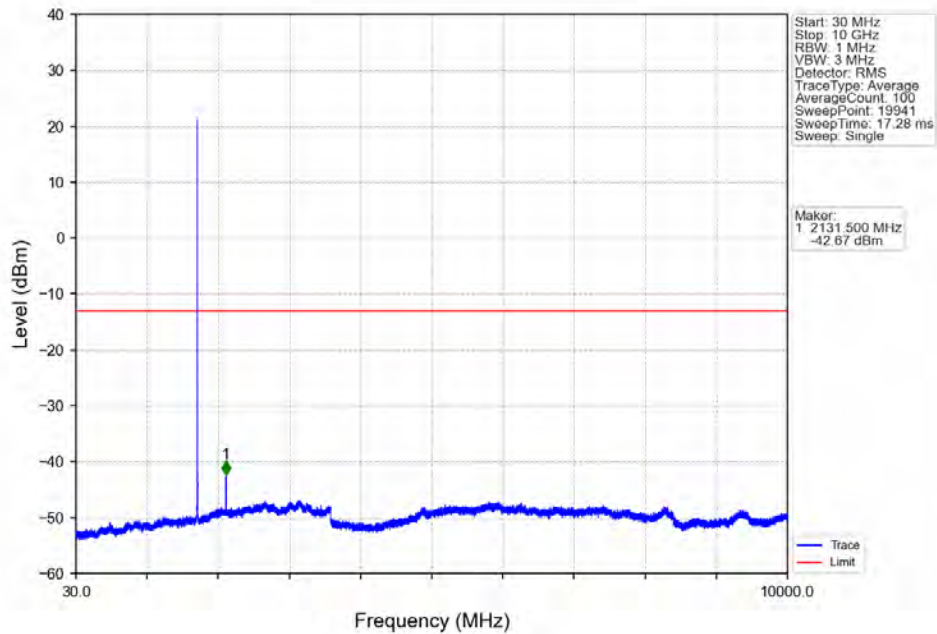
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Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



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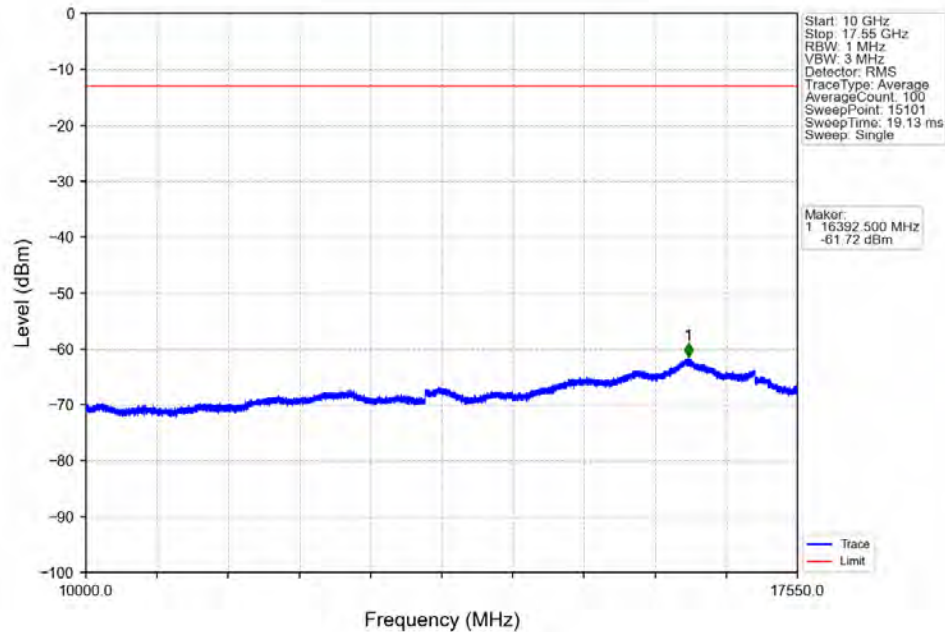
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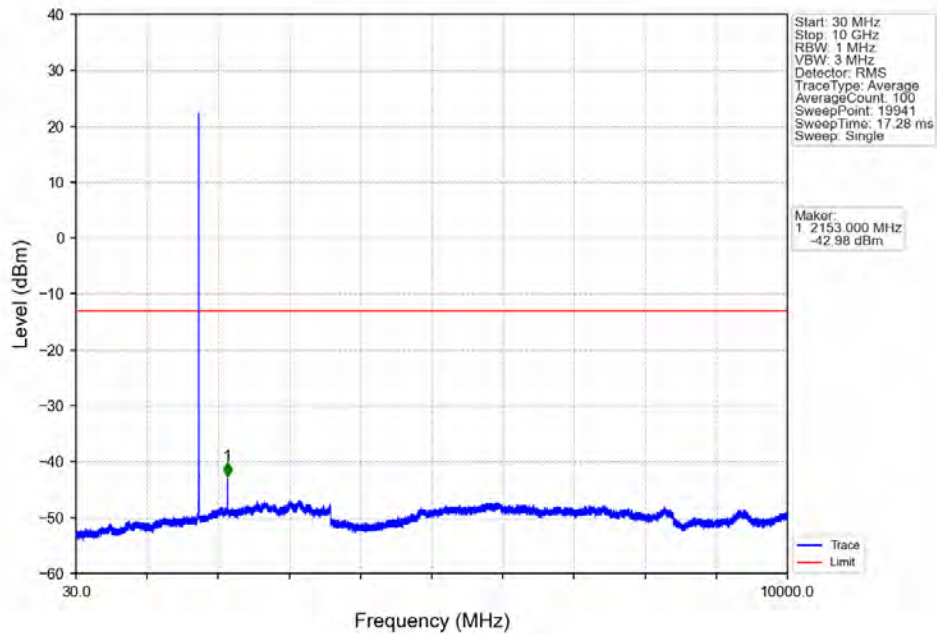
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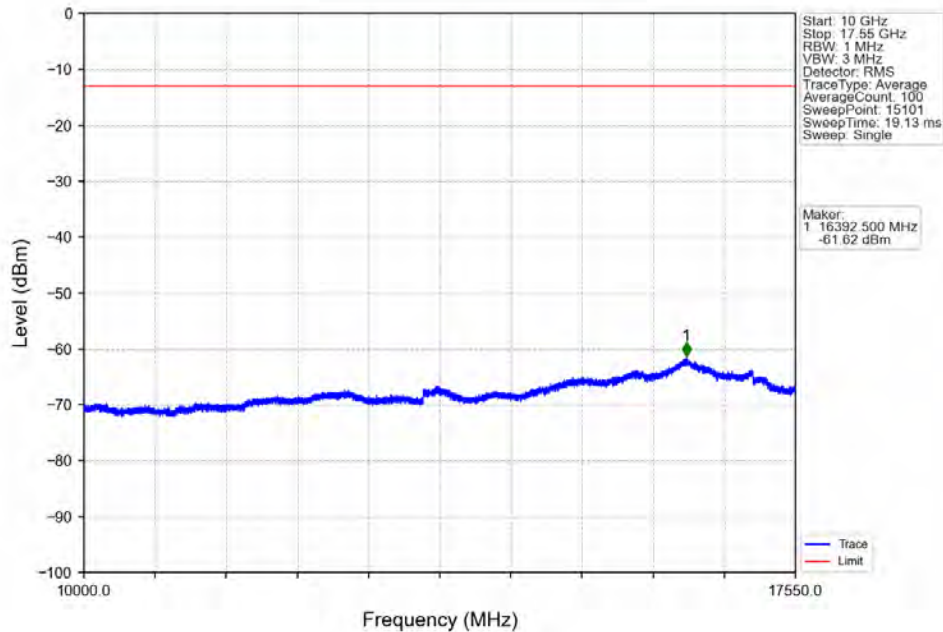
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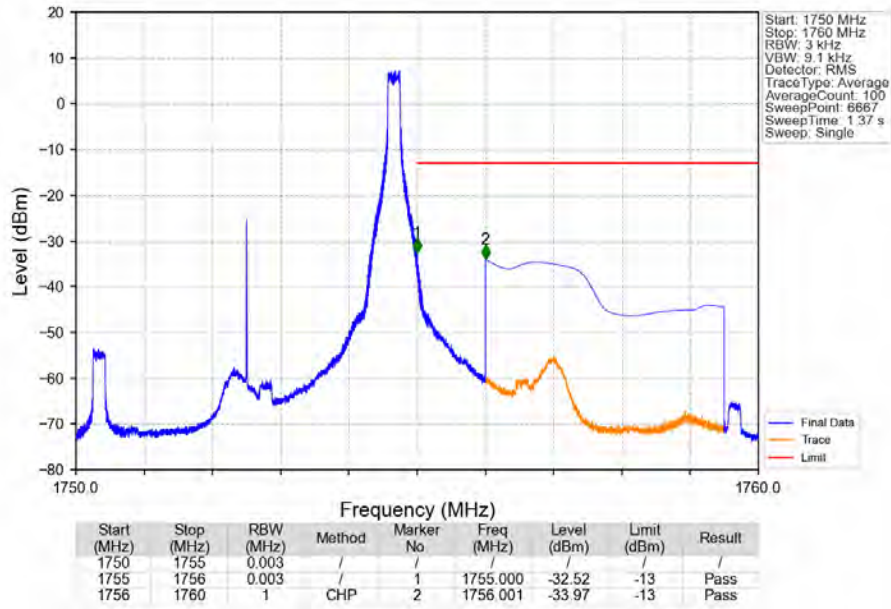
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Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



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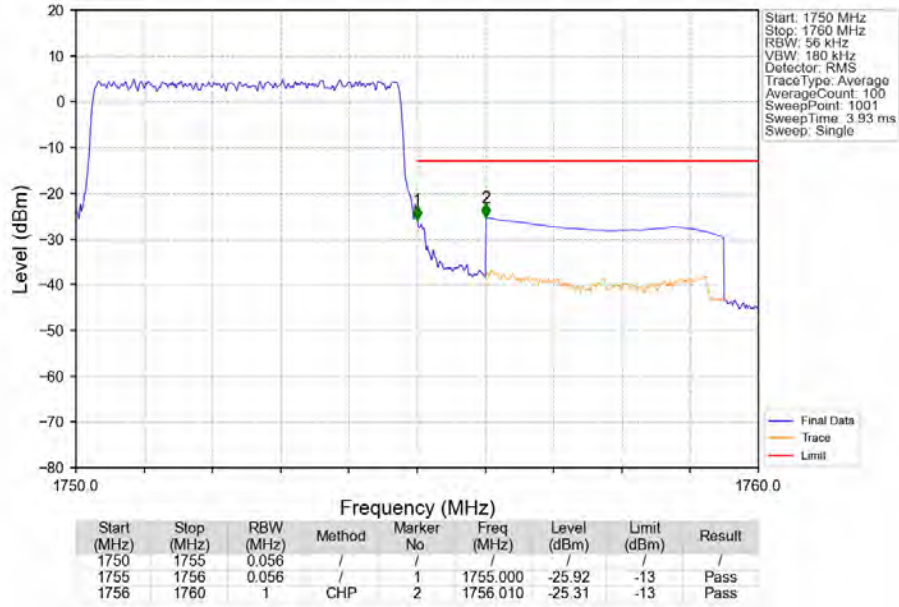
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6.4 B4_10MHz

6.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV					
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
	1750	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass



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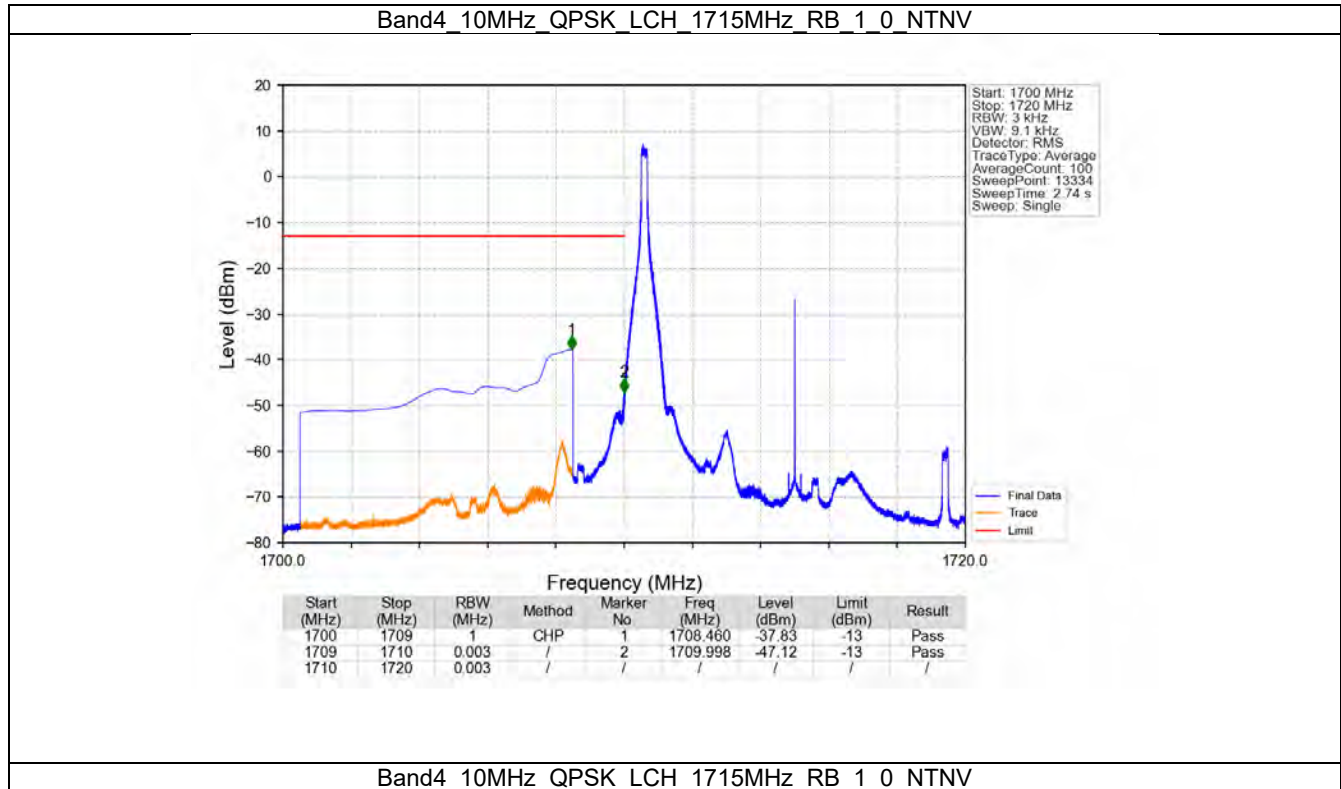
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6.4.2 Test Graph



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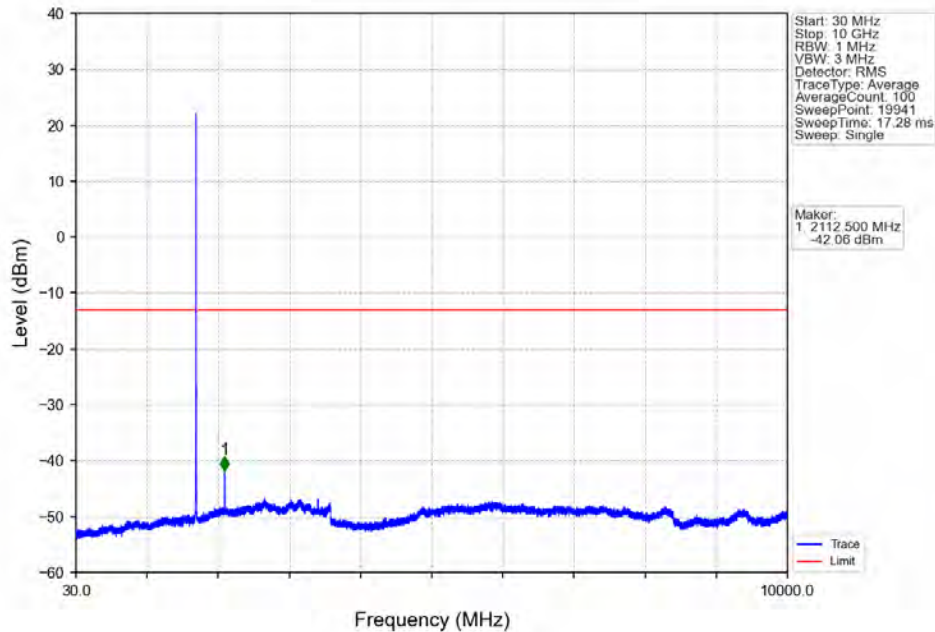
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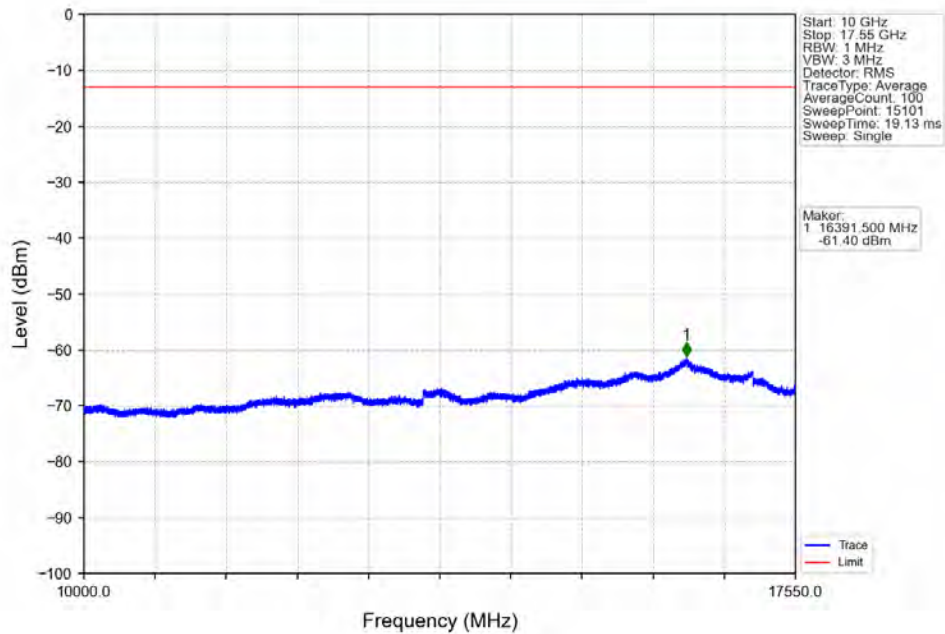
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Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



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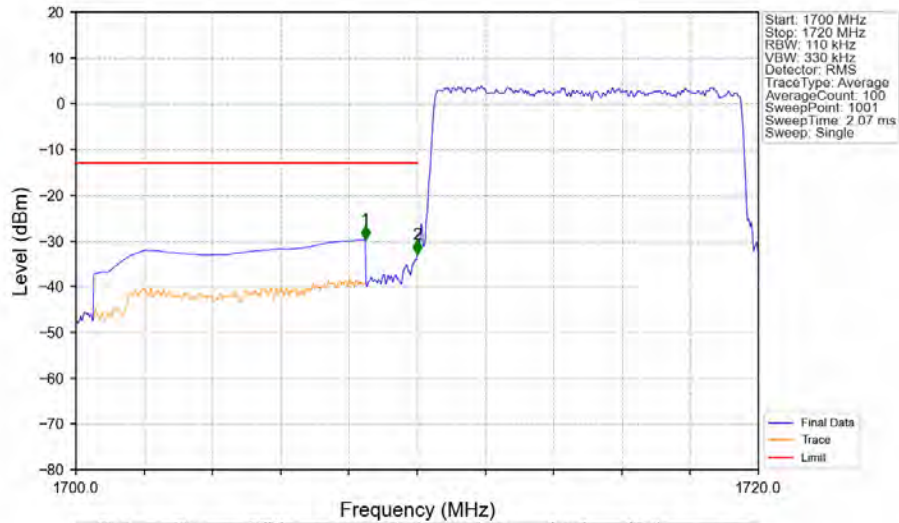
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-29.75	-13	Pass
1709	1710	0.11	/	2	1710.000	-32.94	-13	Pass
1710	1720	0.11	/	/	/	/	/	/



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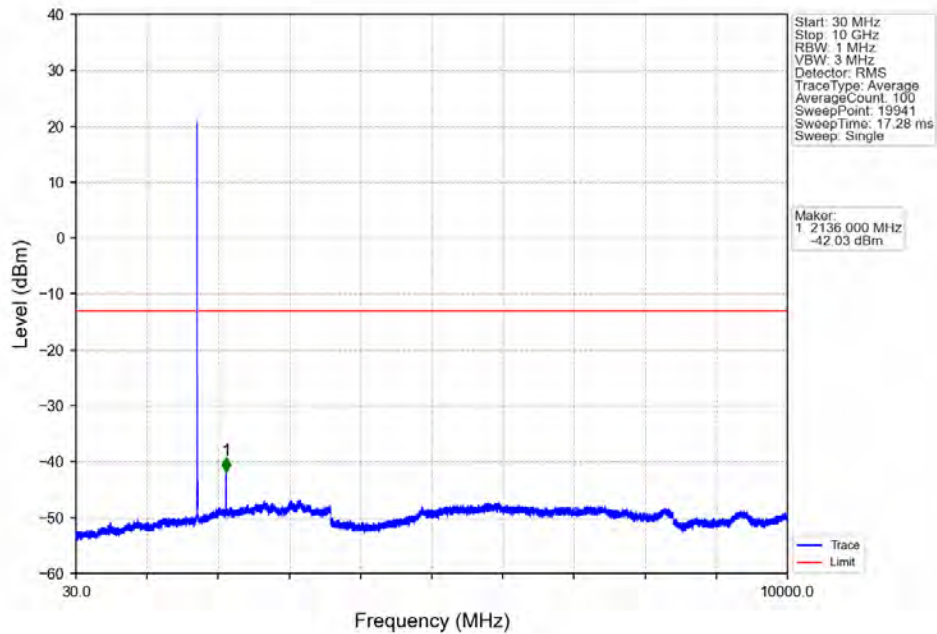
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Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



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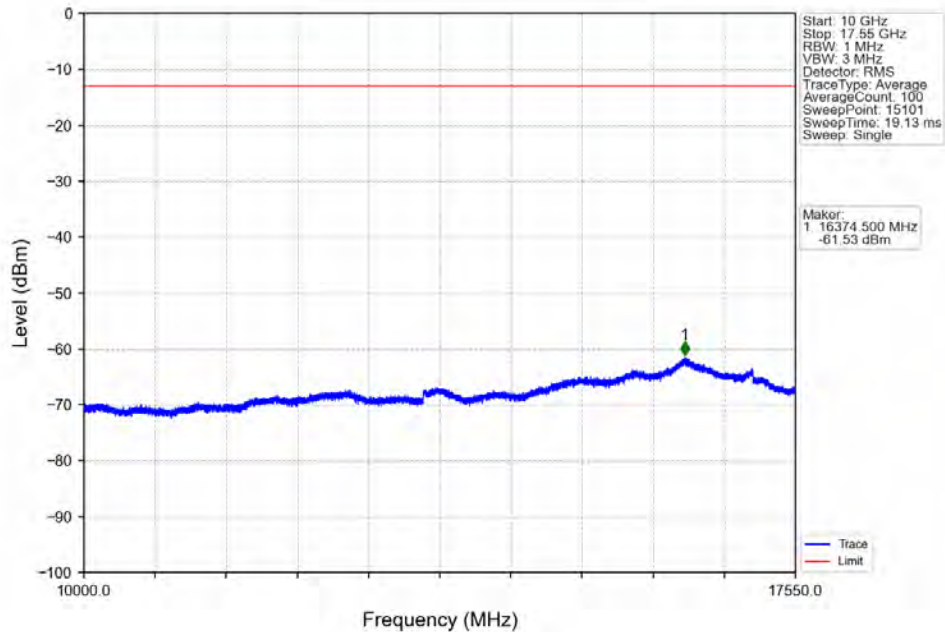
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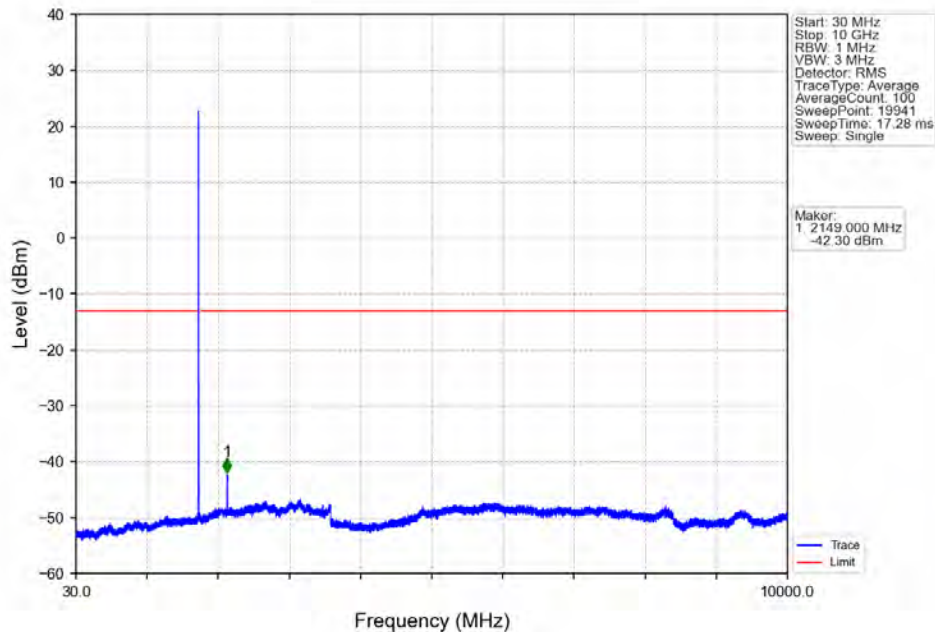
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Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



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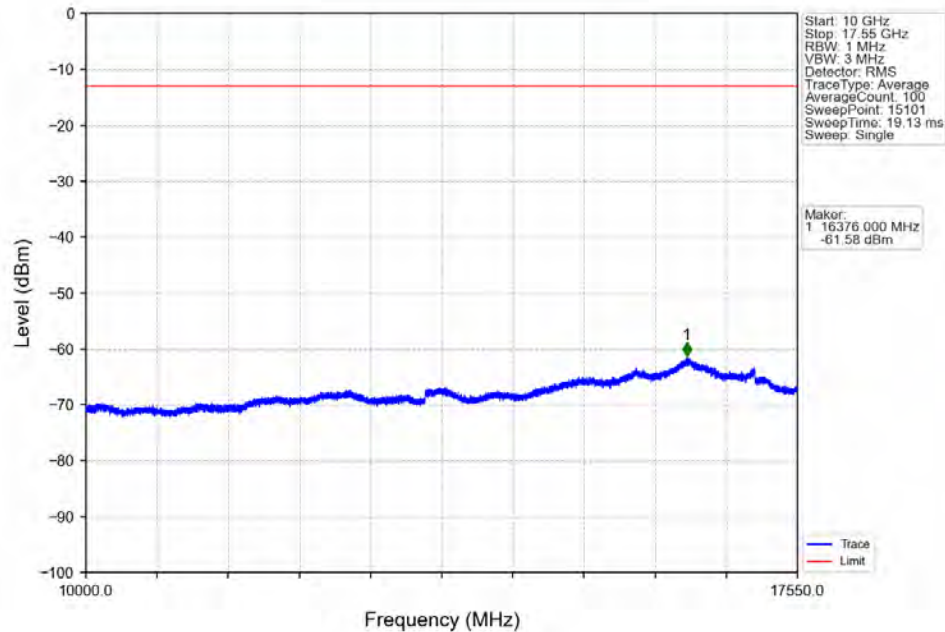
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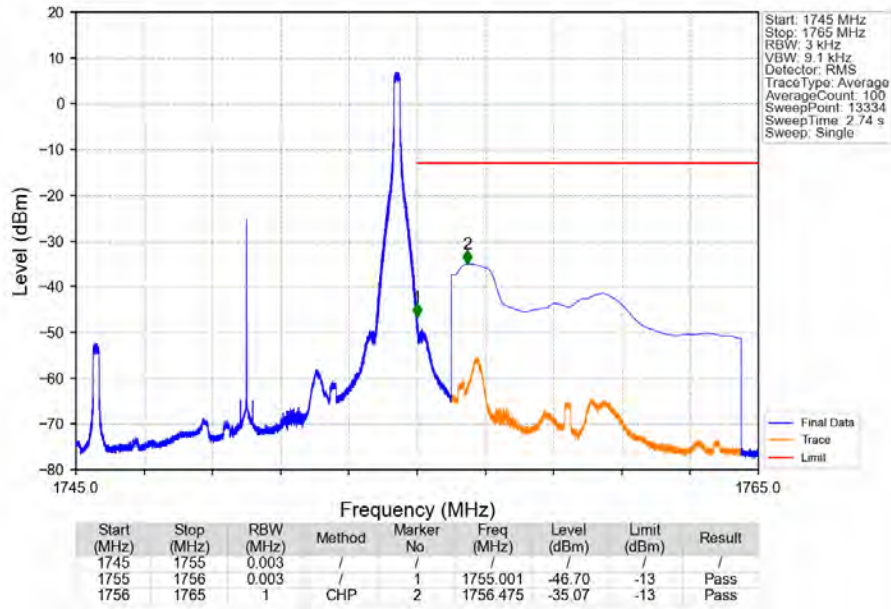
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Band4 10MHz QPSK HCH 1750MHz RB 1 49 NTN



Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



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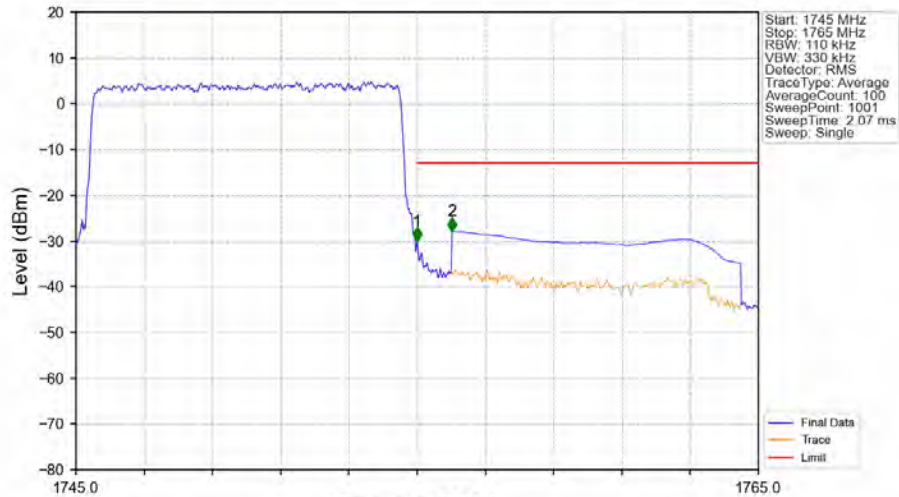
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1745	1755	0.11	/	1	1755.000	-30.10	-13	Pass
1755	1756	0.11	/	2	1756.020	-27.91	-13	Pass
1756	1765	1	CHP					



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6.5 B4_15MHz

6.5.1 Test Result

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



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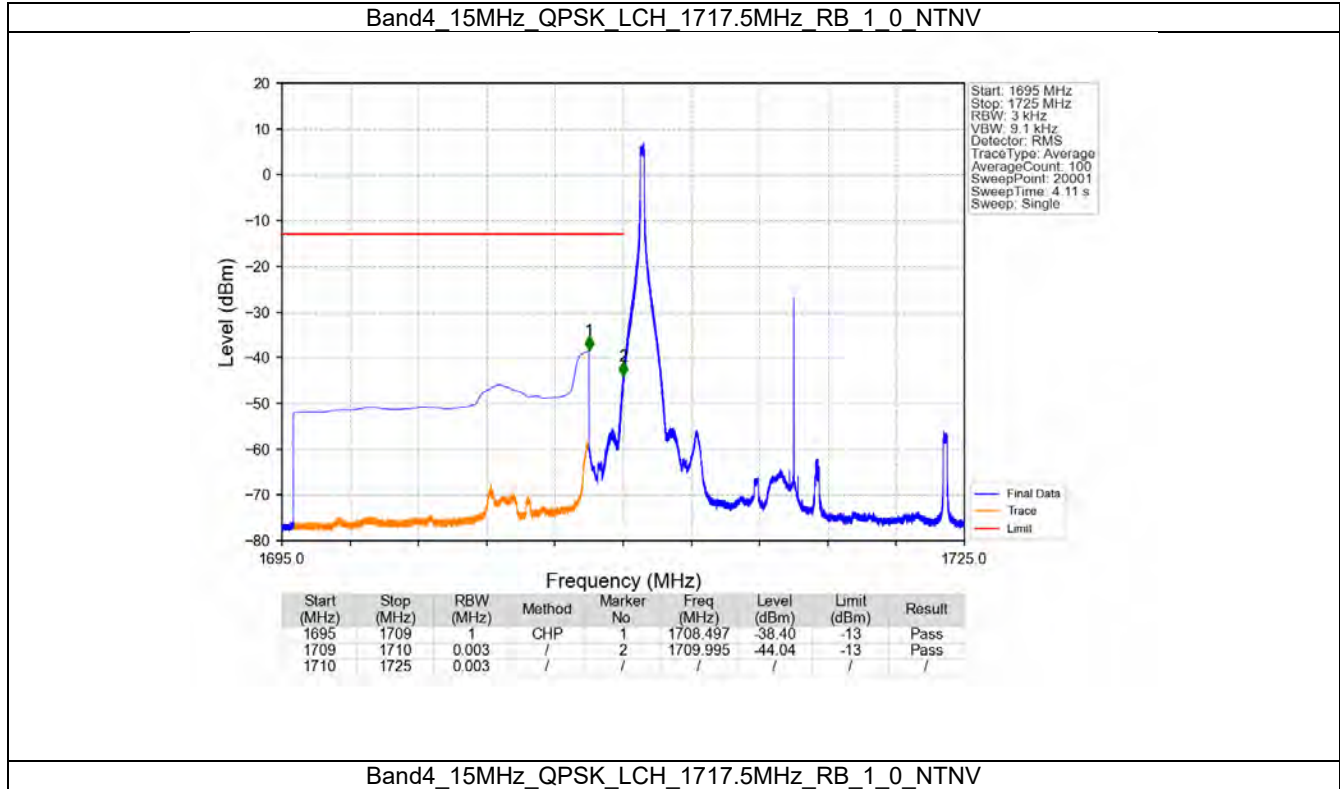
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6.5.2 Test Graph



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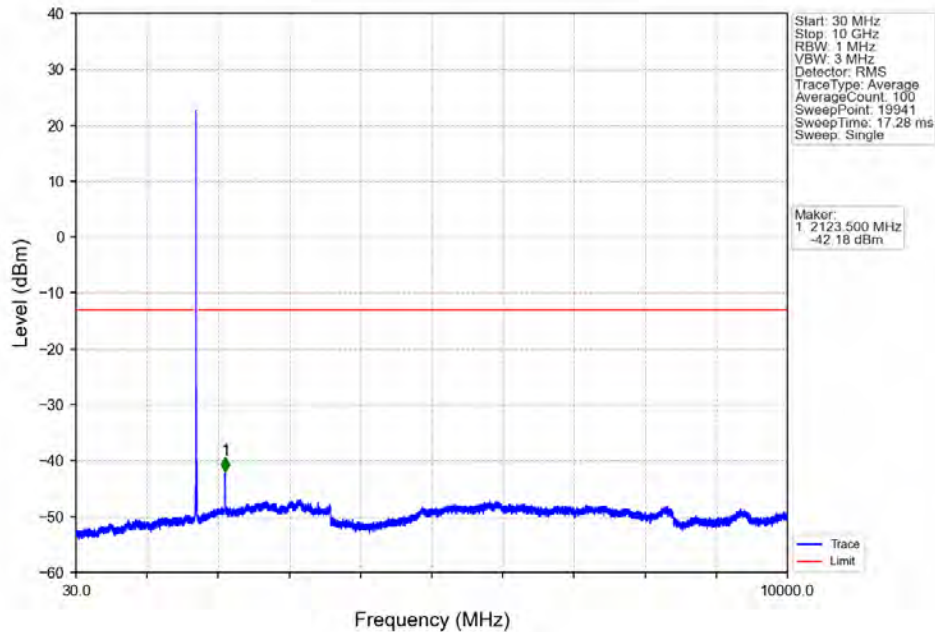
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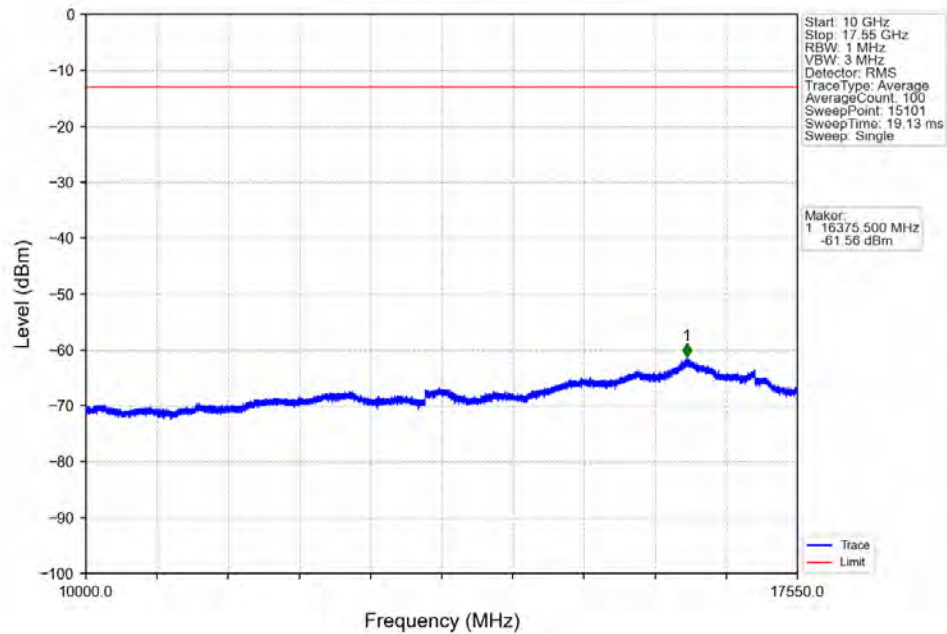
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Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



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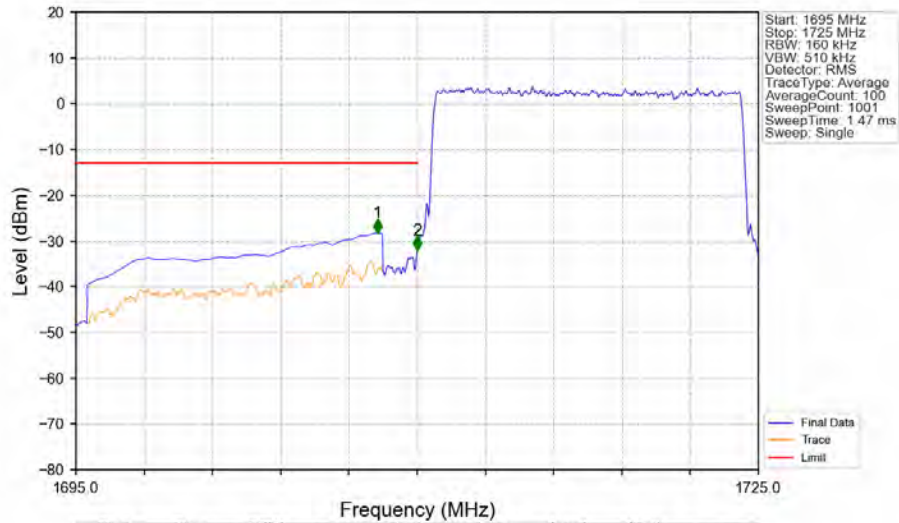
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	0.16	CHP	1	1708.260	-28.23	-13	Pass
1709	1710	/	/	2	1710.000	-32.06	-13	Pass
1710	1725	0.16	/	/	/	/	/	/



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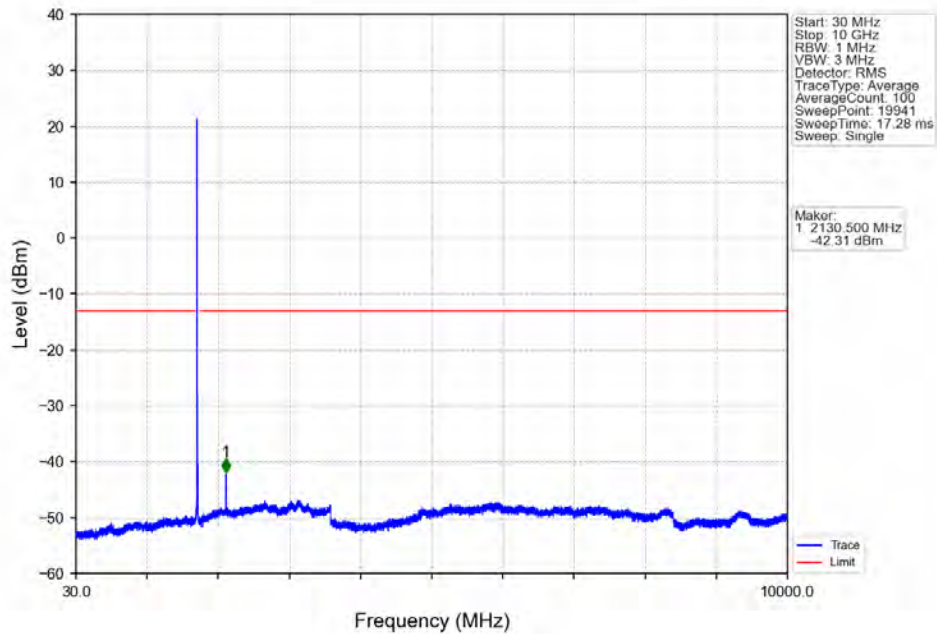
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Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



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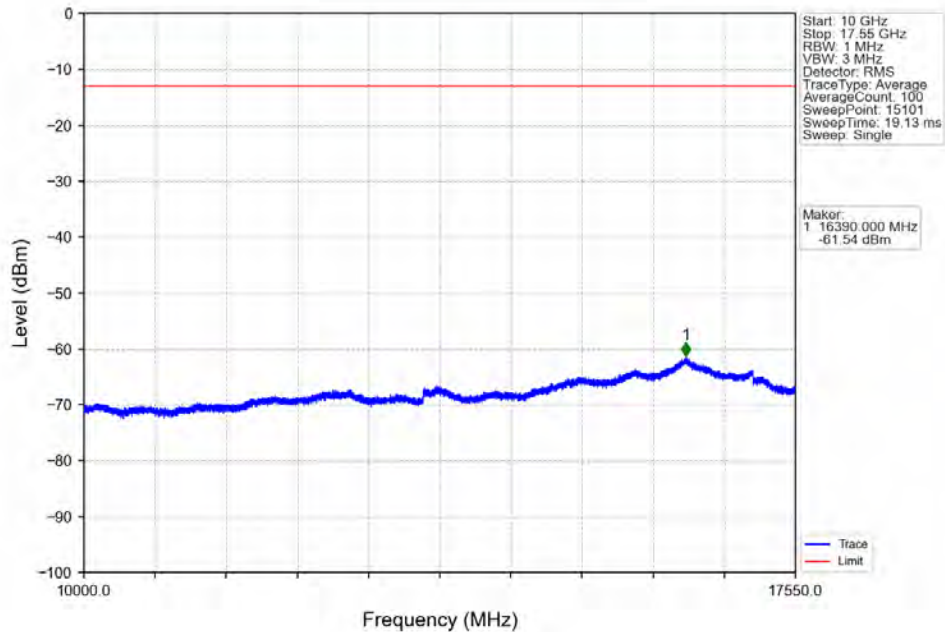
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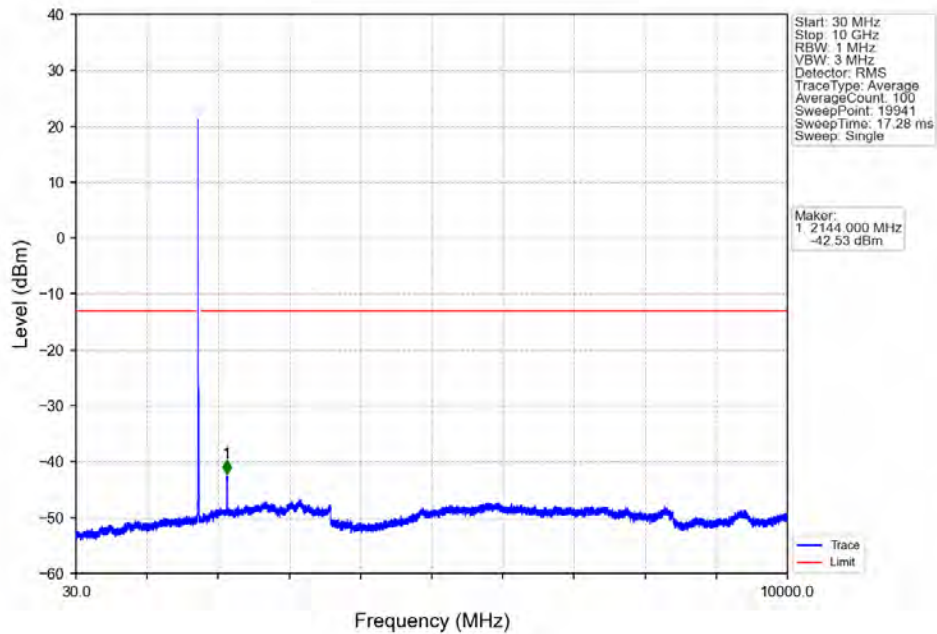
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



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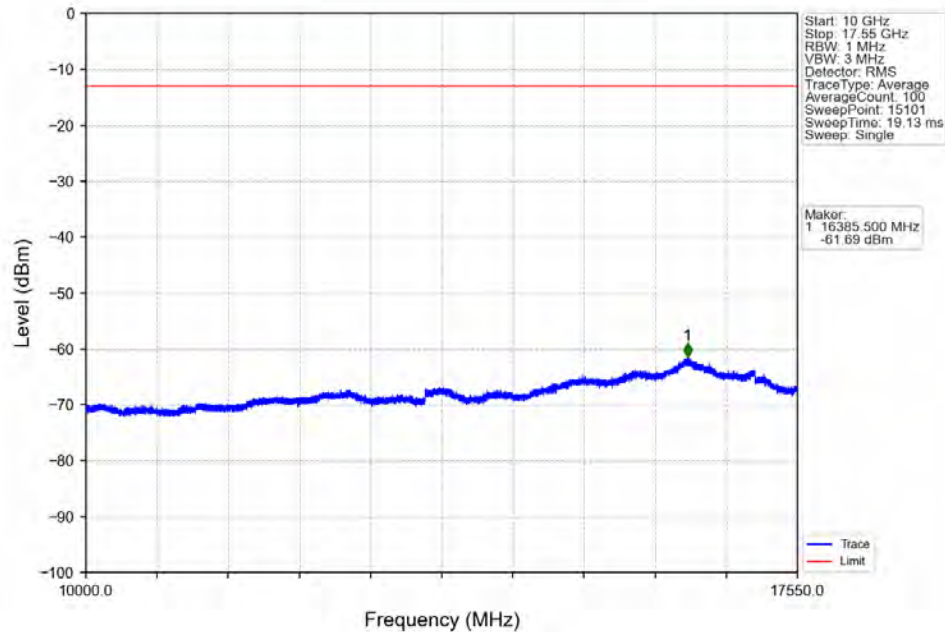
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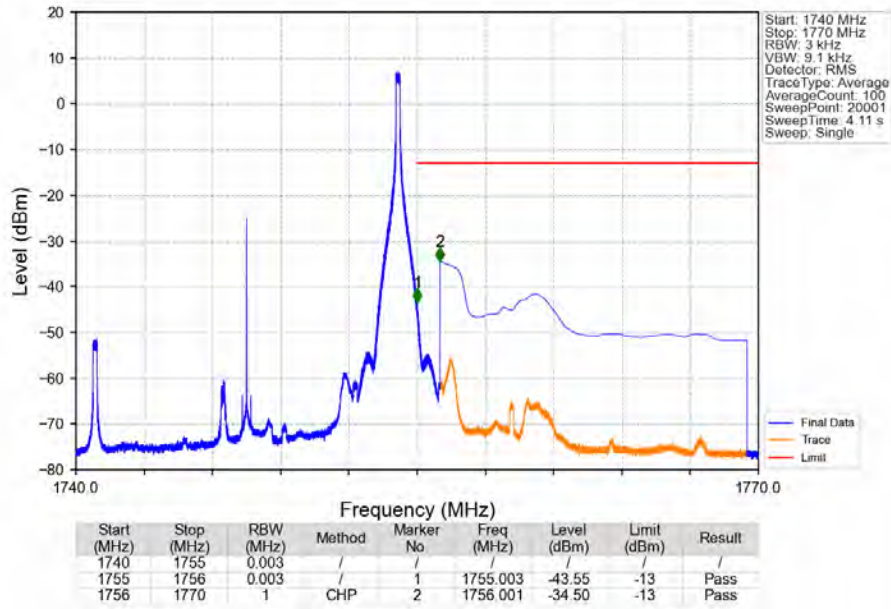
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



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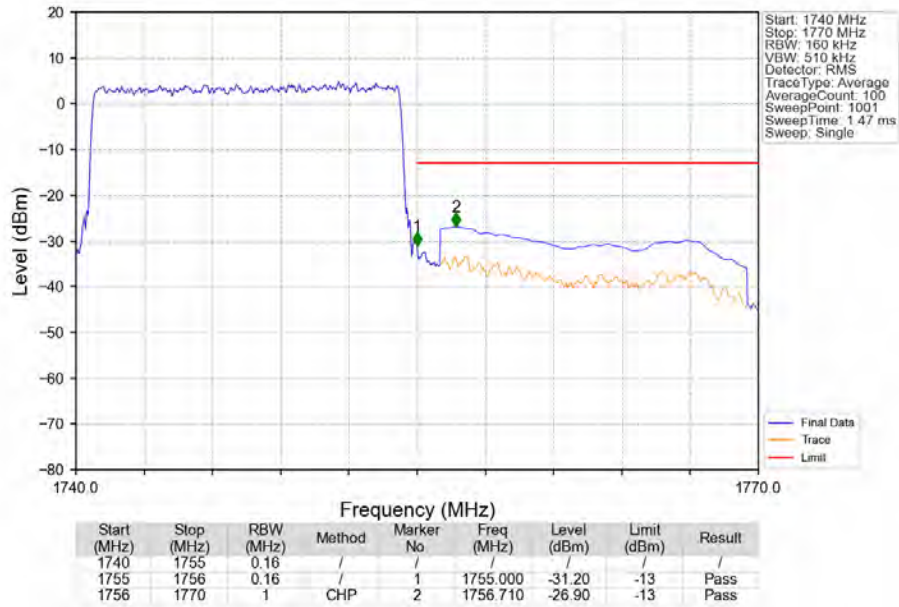
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6.6 B4_20MHz

6.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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



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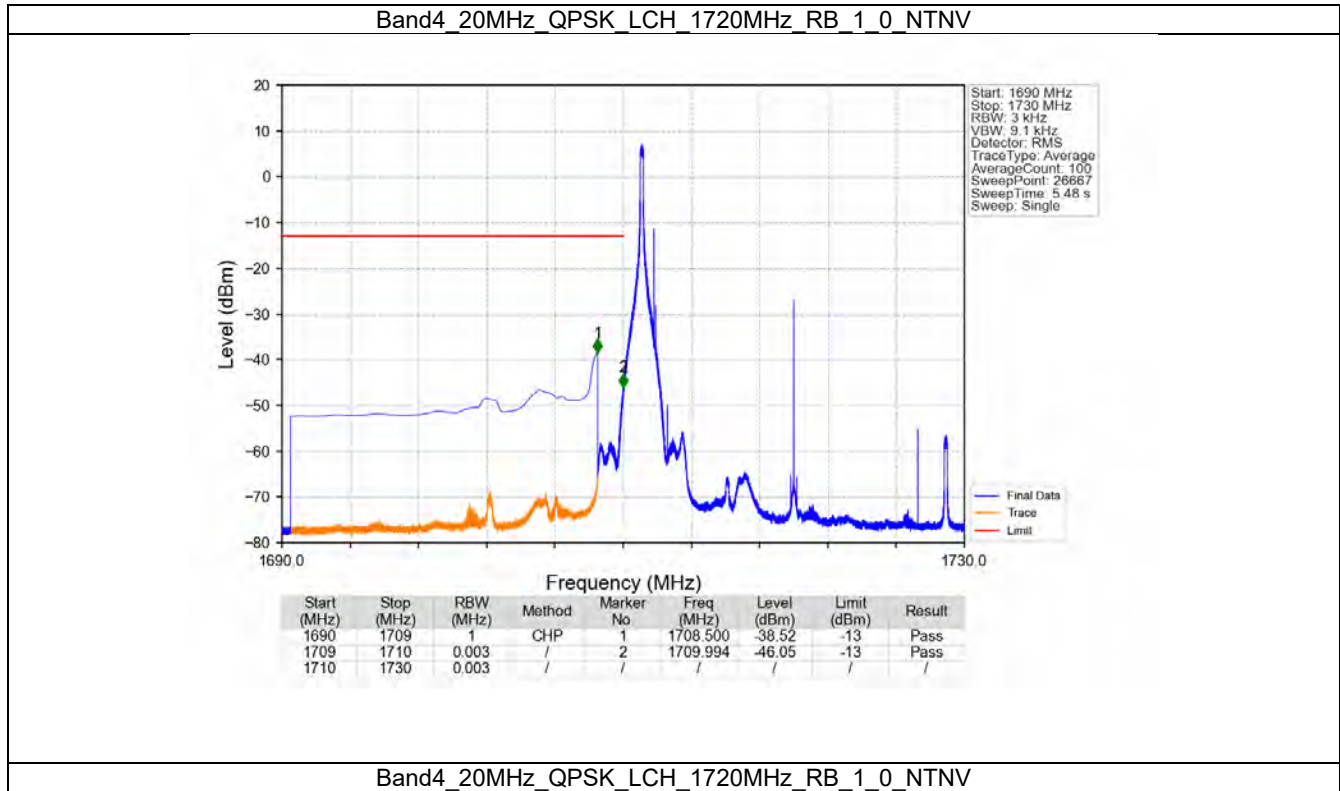
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6.6.2 Test Graph



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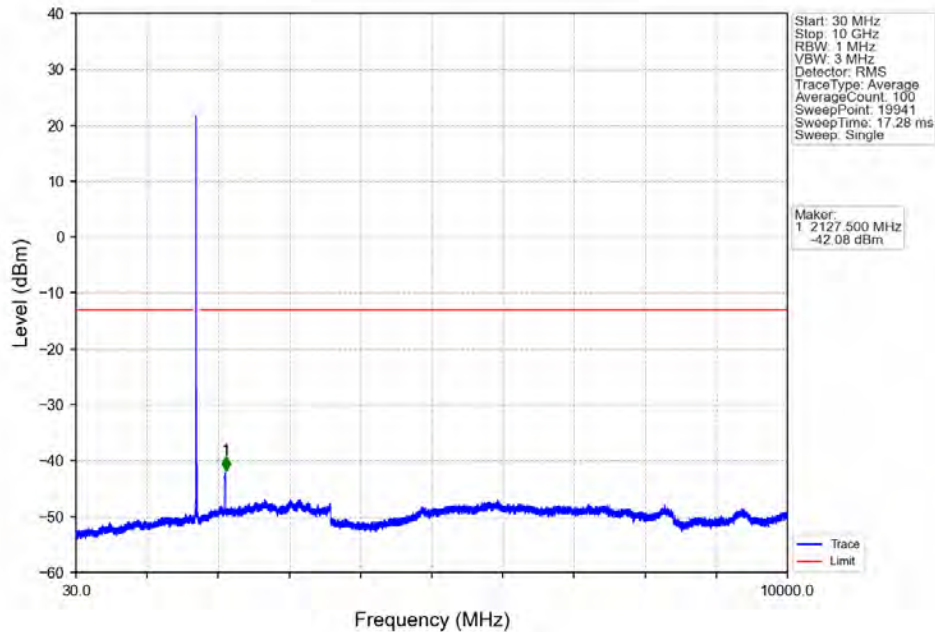
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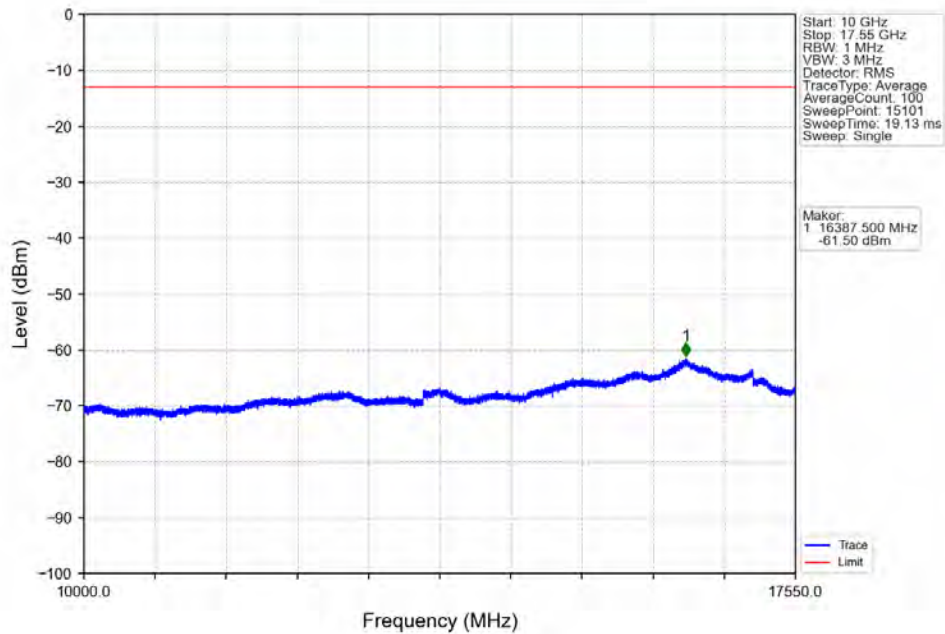
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Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



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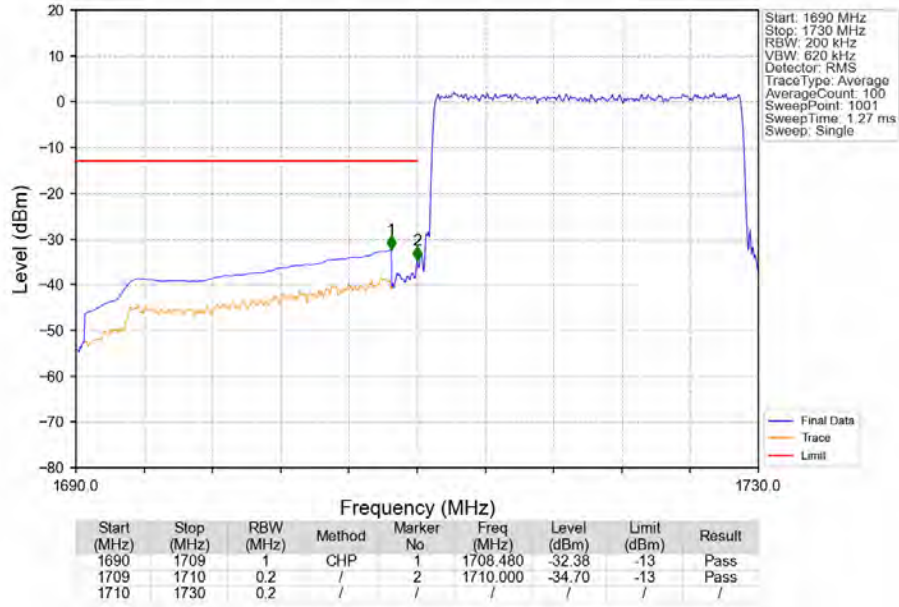
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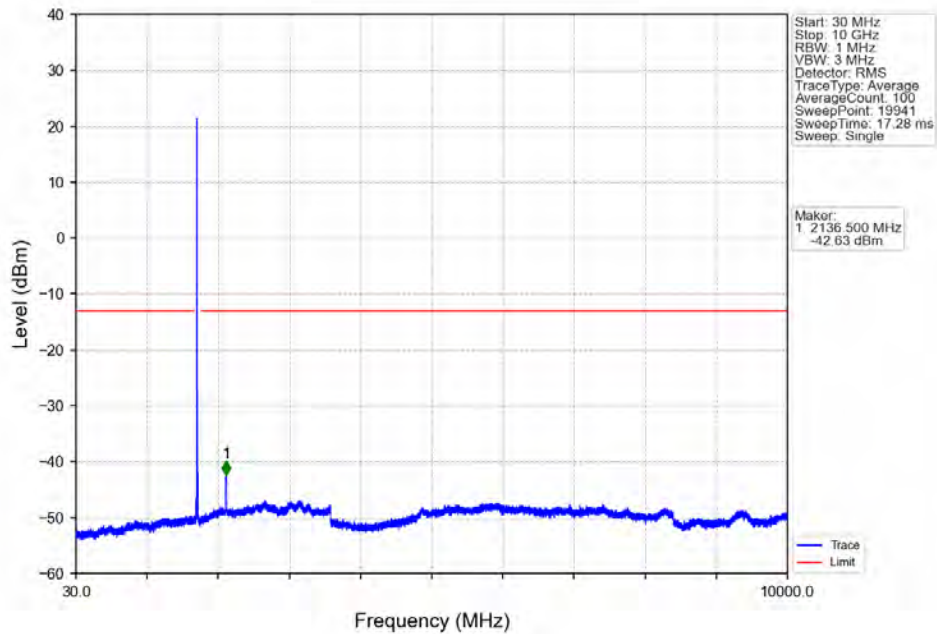
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Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



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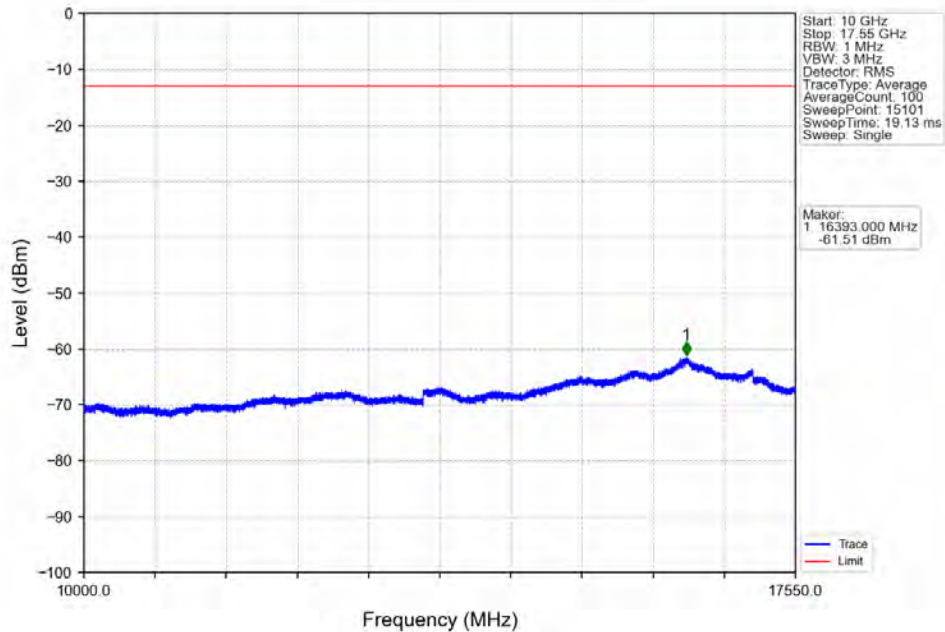
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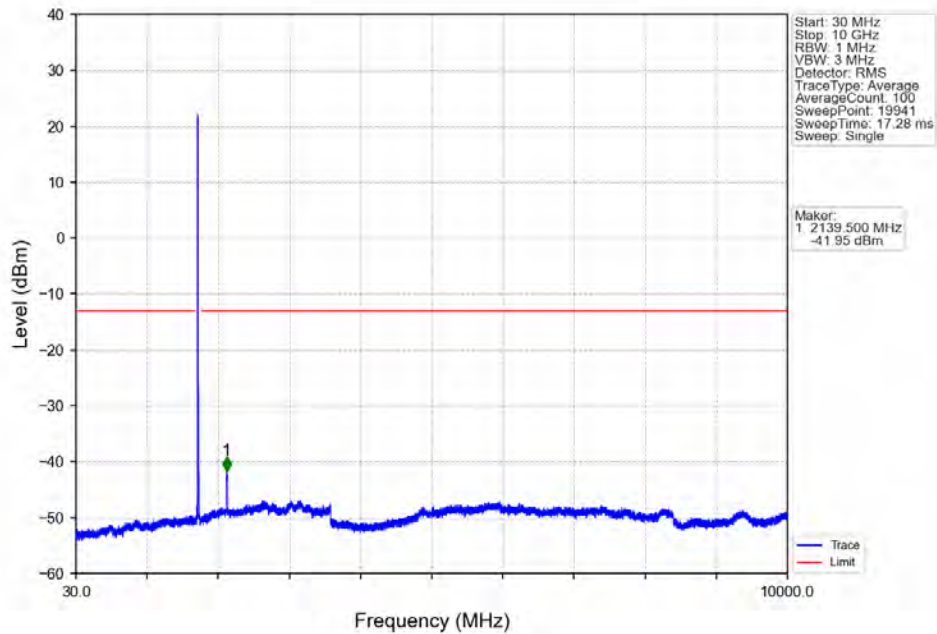
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Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



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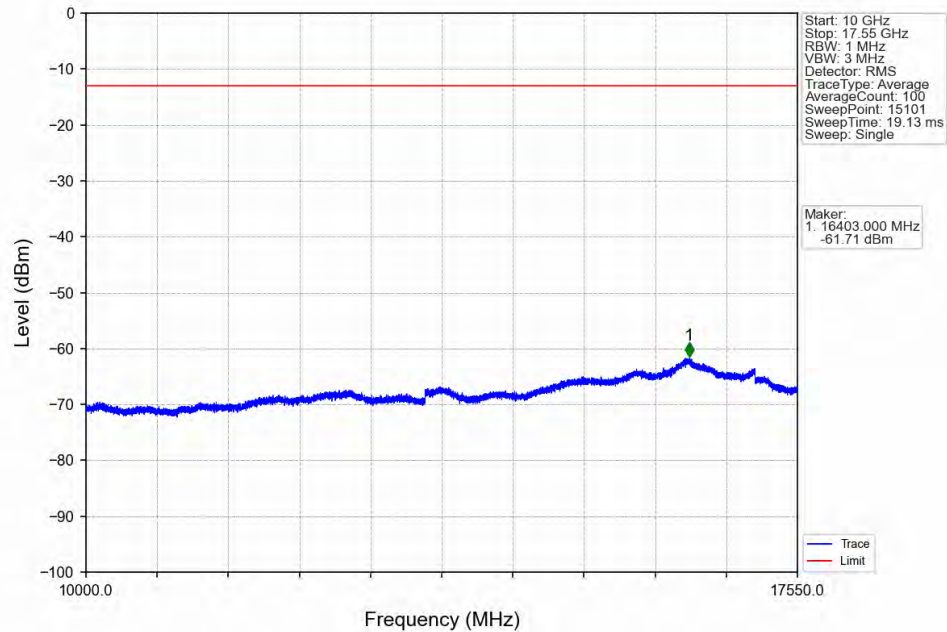
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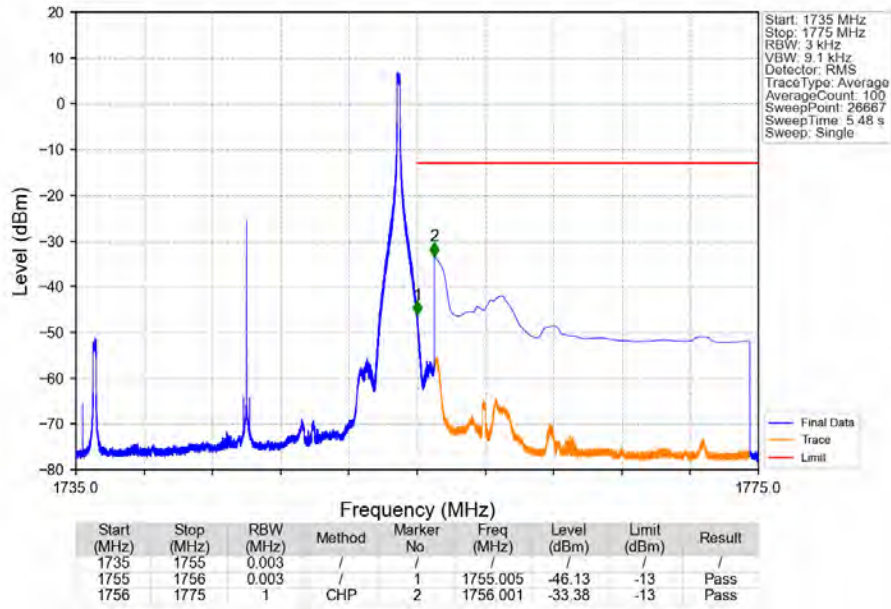
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Band4 20MHz QPSK HCH 1745MHz RB 1_99 NTNV



Band4 20MHz QPSK HCH 1745MHz RB 100_0 NTNV



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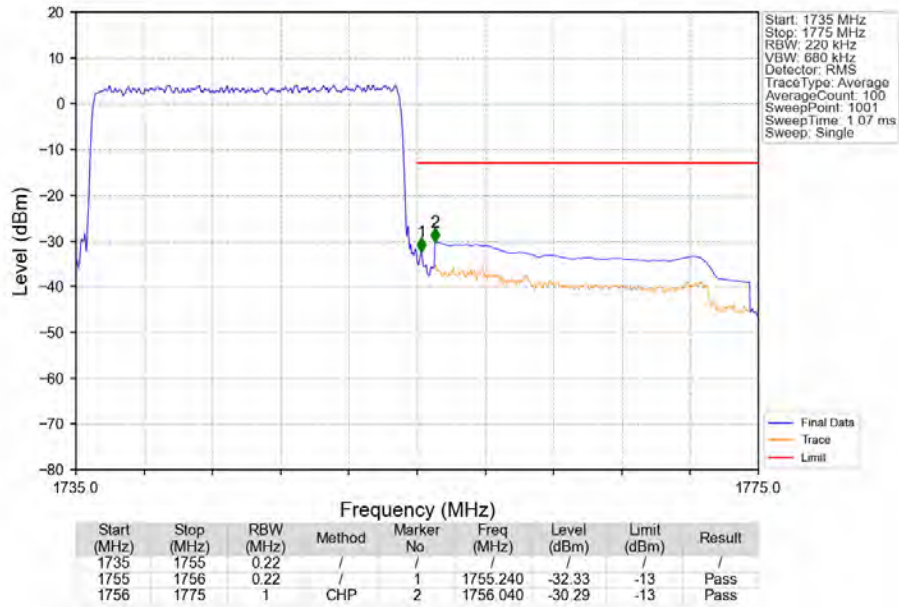
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