

5. Peak-Average Ratio

5.1 Test Result

5.1.1 B66_1.4MHz

Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.42	<=13	Pass
	1745	6	0	4.92	<=13	Pass
	1779.3	6	0	3.91	<=13	Pass
16QAM	1710.7	6	0	6.23	<=13	Pass
	1745	6	0	5.80	<=13	Pass
	1779.3	6	0	4.78	<=13	Pass

5.1.2 B66_3MHz

Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.98	<=13	Pass
	1745	15	0	5.84	<=13	Pass
	1778.5	15	0	5.34	<=13	Pass
16QAM	1711.5	15	0	6.97	<=13	Pass
	1745	15	0	6.65	<=13	Pass
	1778.5	15	0	6.25	<=13	Pass

5.1.3 B66_5MHz

Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.96	<=13	Pass
	1745	25	0	5.79	<=13	Pass
	1777.5	25	0	5.52	<=13	Pass
16QAM	1712.5	25	0	6.72	<=13	Pass
	1745	25	0	6.62	<=13	Pass
	1777.5	25	0	6.33	<=13	Pass

5.1.4 B66_10MHz

Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	6.06	<=13	Pass
	1745	50	0	5.83	<=13	Pass
	1775	50	0	5.64	<=13	Pass
16QAM	1715	50	0	6.79	<=13	Pass
	1745	50	0	6.64	<=13	Pass
	1775	50	0	6.48	<=13	Pass

5.1.5 B66_15MHz

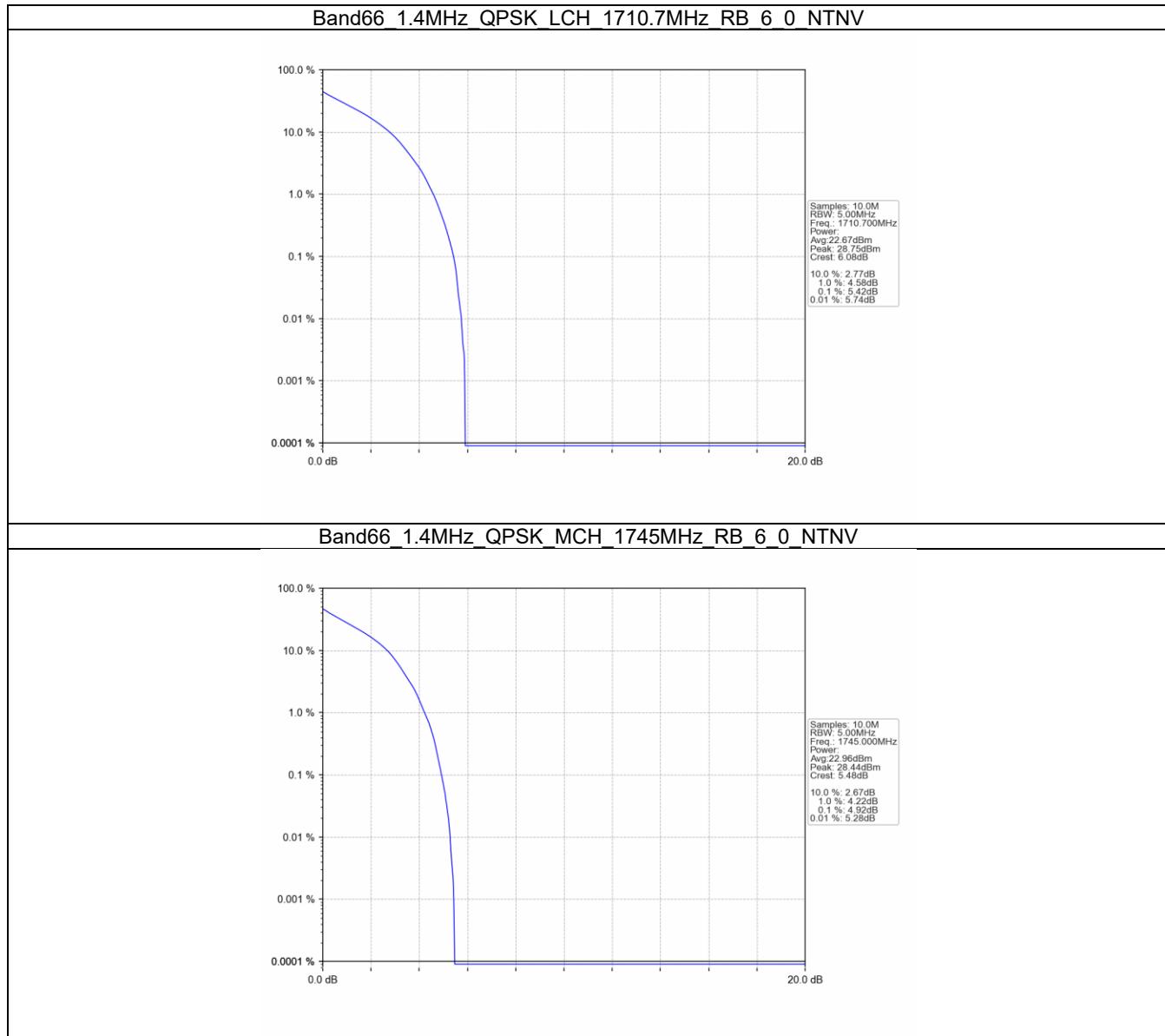
Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.43	<=13	Pass
	1745	75	0	5.28	<=13	Pass
	1772.5	75	0	5.30	<=13	Pass
16QAM	1717.5	75	0	6.47	<=13	Pass
	1745	75	0	6.35	<=13	Pass
	1772.5	75	0	6.40	<=13	Pass

5.1.6 B66_20MHz

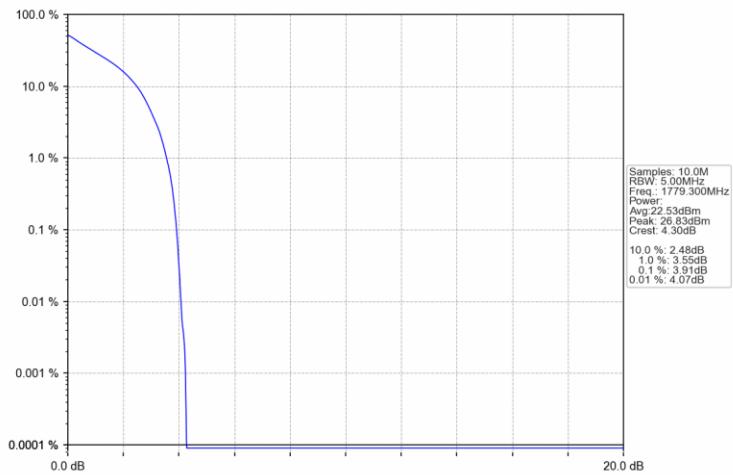
Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.63	<=13	Pass
	1745	100	0	5.66	<=13	Pass
	1770	100	0	5.71	<=13	Pass
16QAM	1720	100	0	6.73	<=13	Pass
	1745	100	0	6.65	<=13	Pass
	1770	100	0	6.70	<=13	Pass

5.2 Test Graph

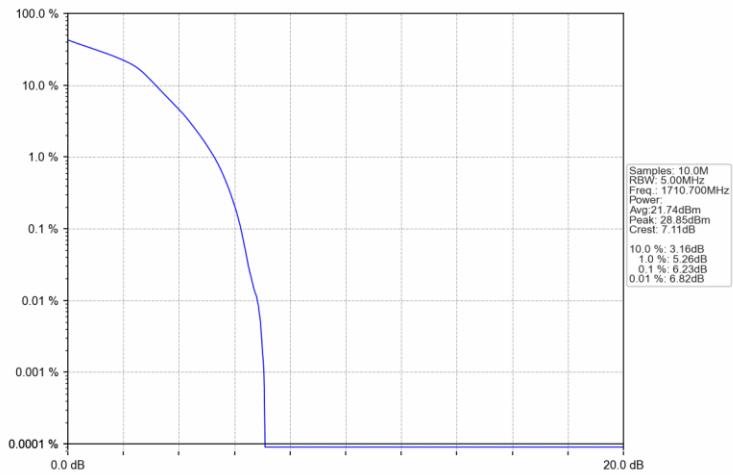
5.2.1 B66_1.4MHz



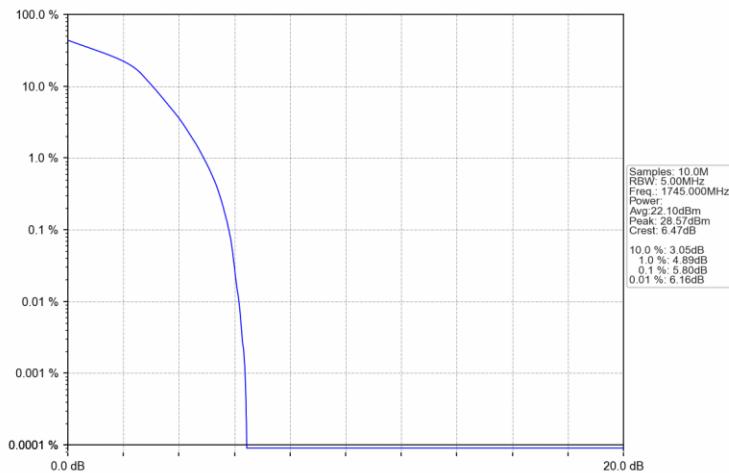
Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTV



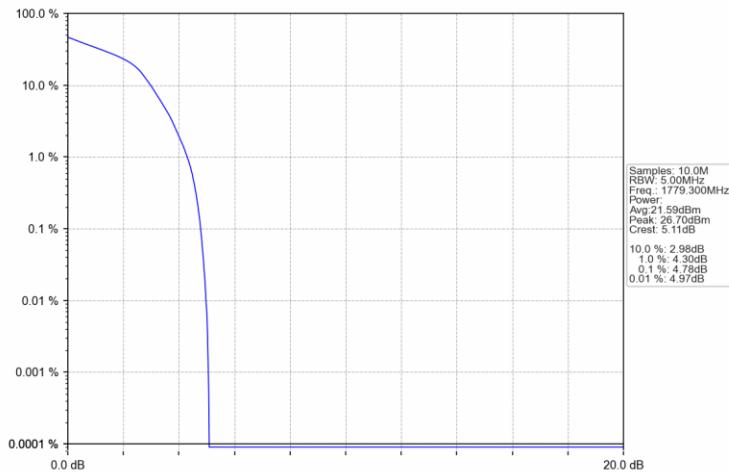
Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



Band66 1.4MHz 16QAM MCH 1745MHz RB 6 0 NTV

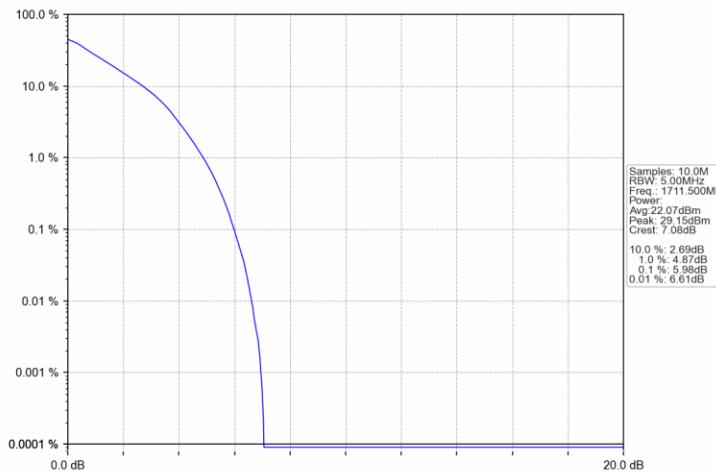


Band66 1.4MHz 16QAM HCH 1779.3MHz RB 6 0 NTV

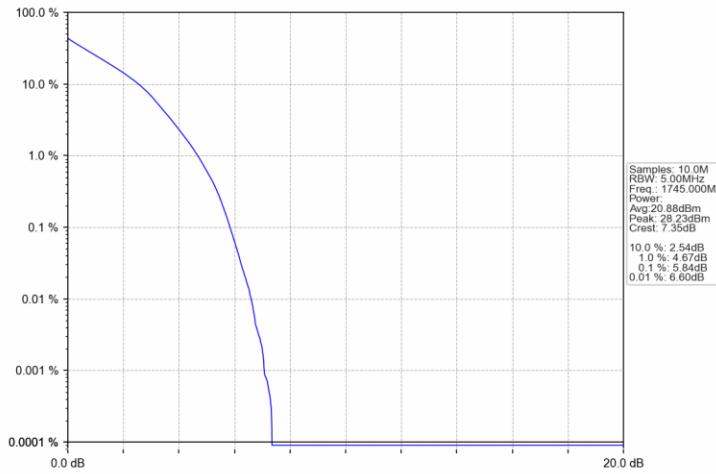


5.2.2 B66_3MHz

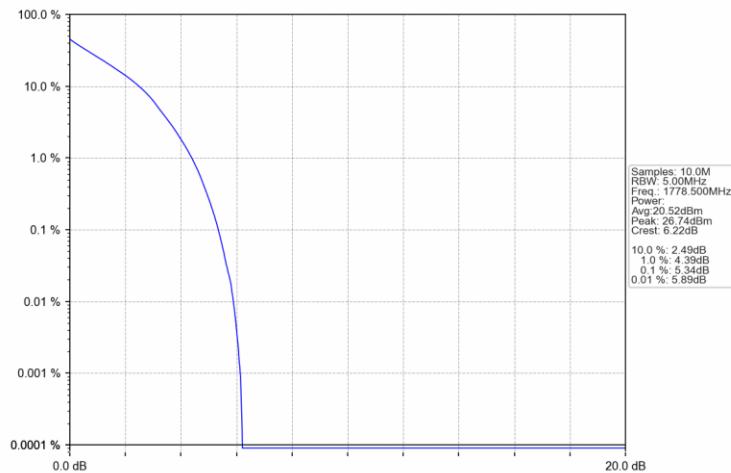
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



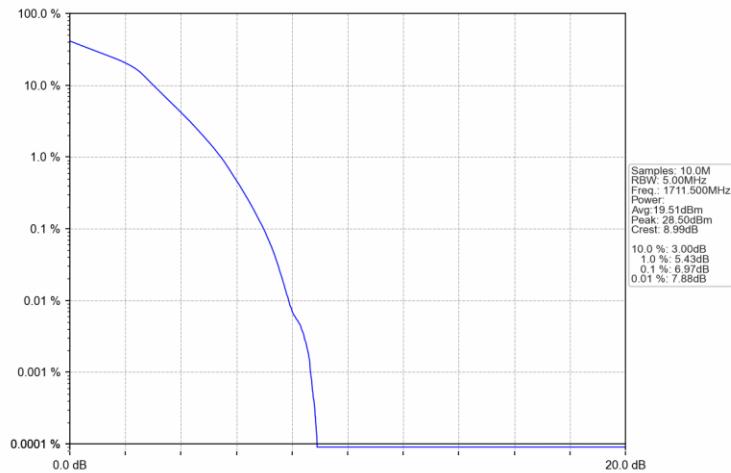
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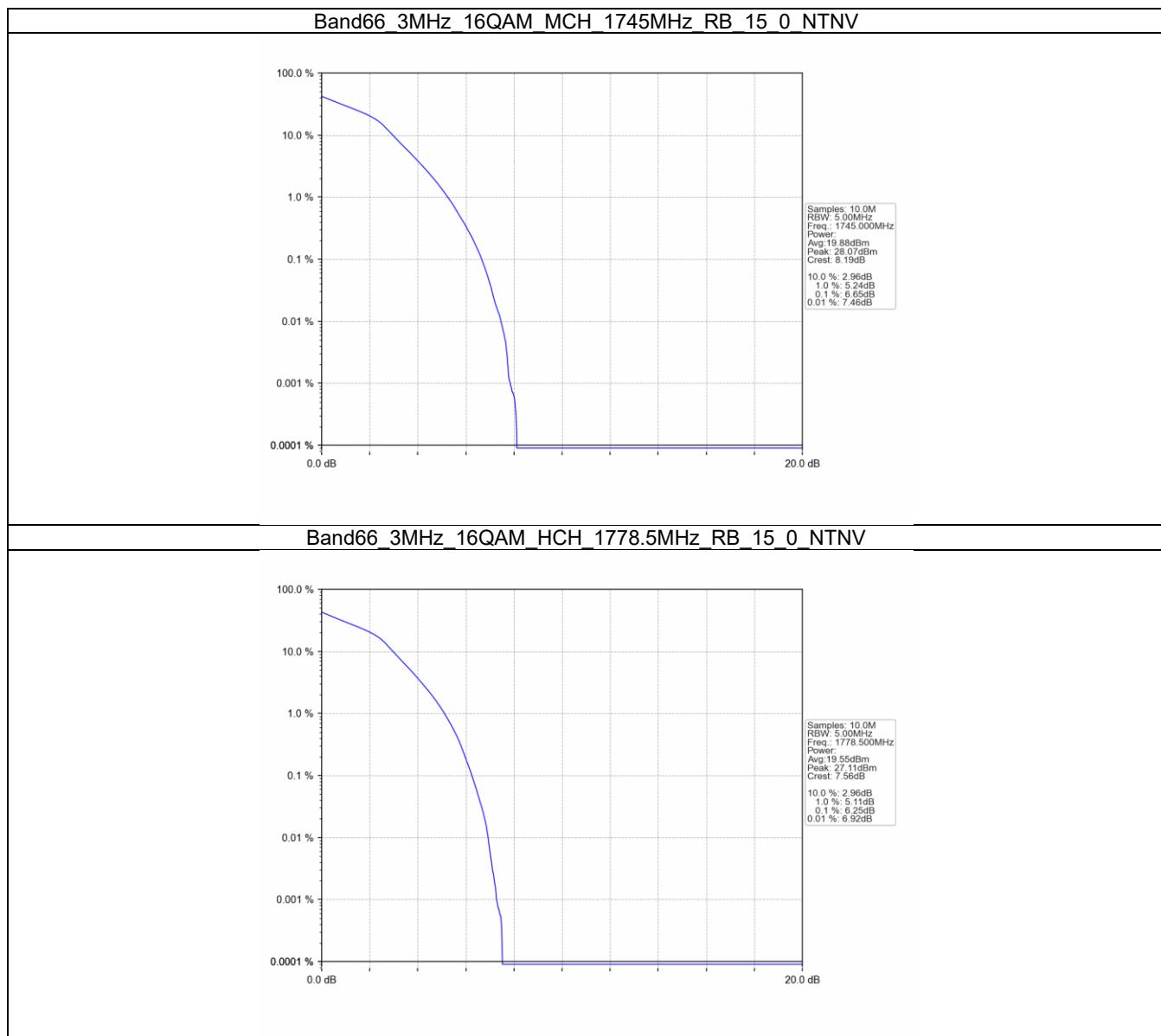


Band66 3MHz QPSK HCH 1778.5MHz RB 15_0_NTNV

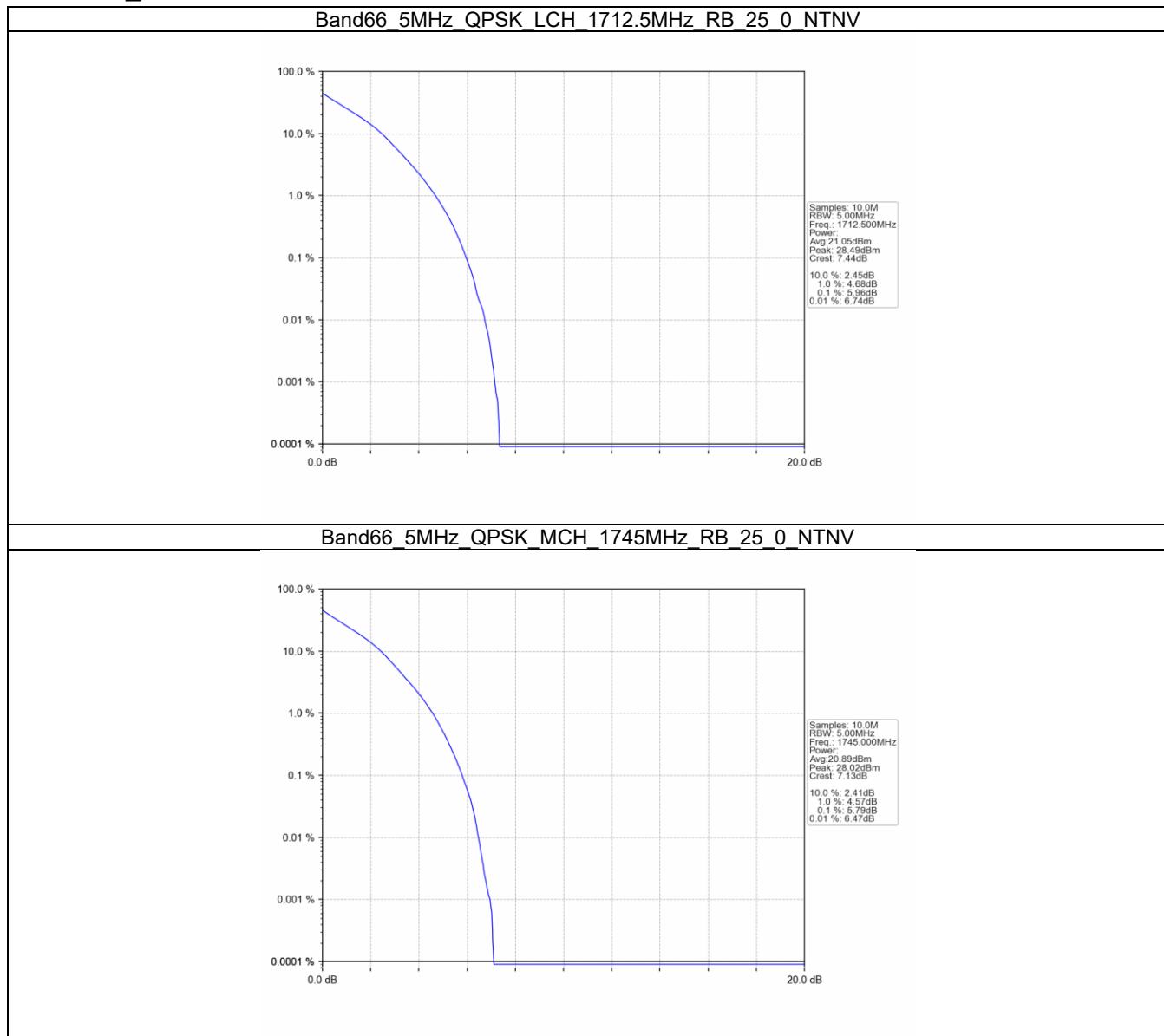


Band66 3MHz 16QAM LCH 1711.5MHz RB 15_0_NTNV

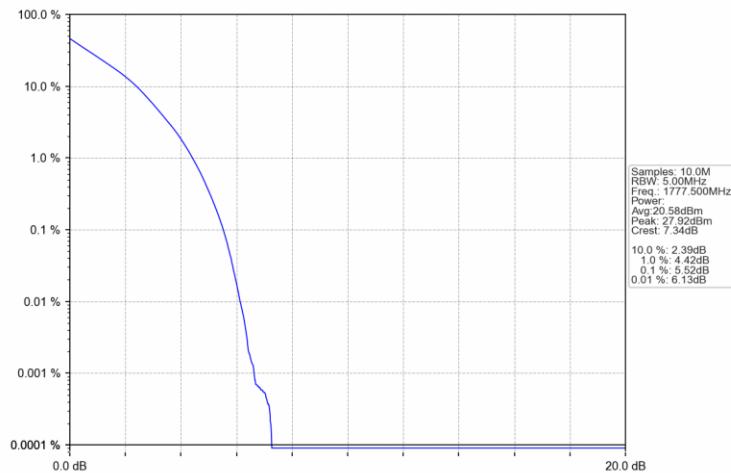




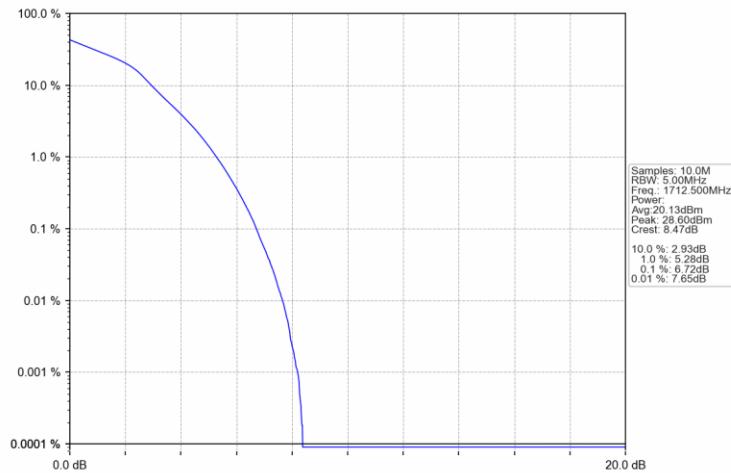
5.2.3 B66_5MHz



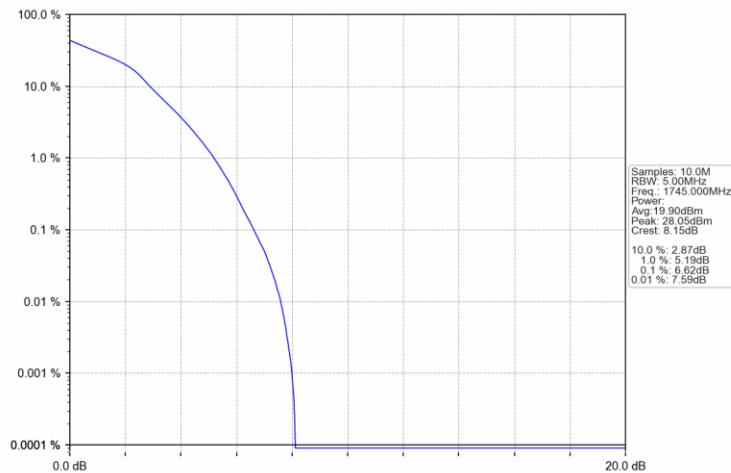
Band66 5MHz QPSK HCH 1777.5MHz RB 25 0 NTNV



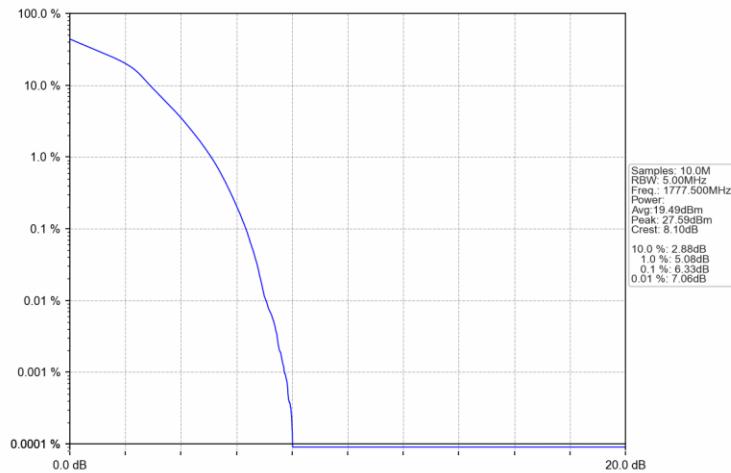
Band66 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV



Band66 5MHz 16QAM MCH 1745MHz RB 25 0 NTVN

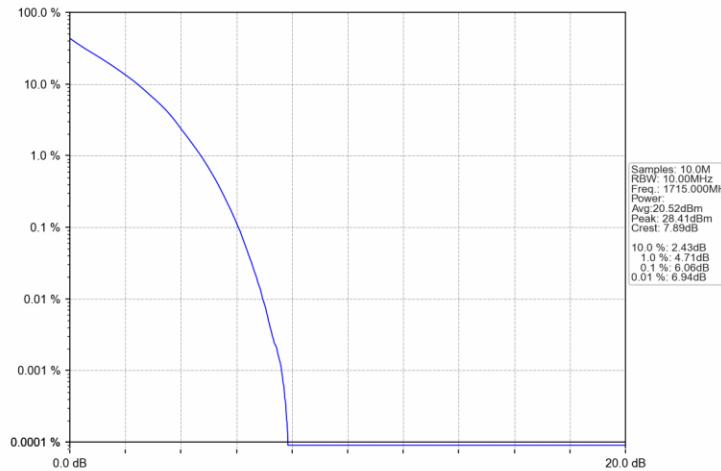


Band66 5MHz 16QAM HCH 1777.5MHz RB 25 0 NTVN

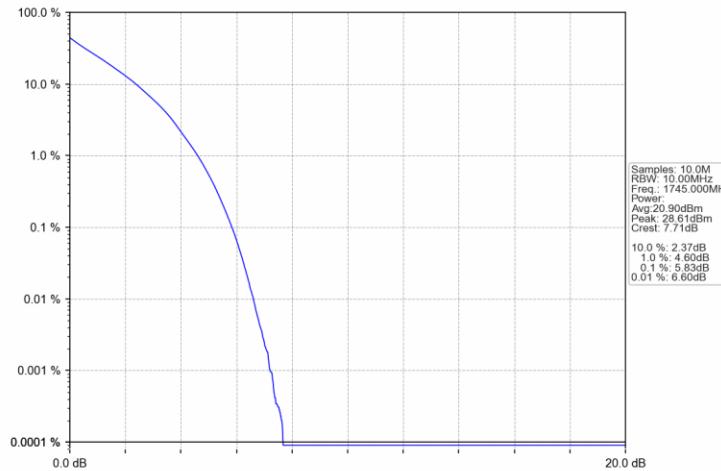


5.2.4 B66_10MHz

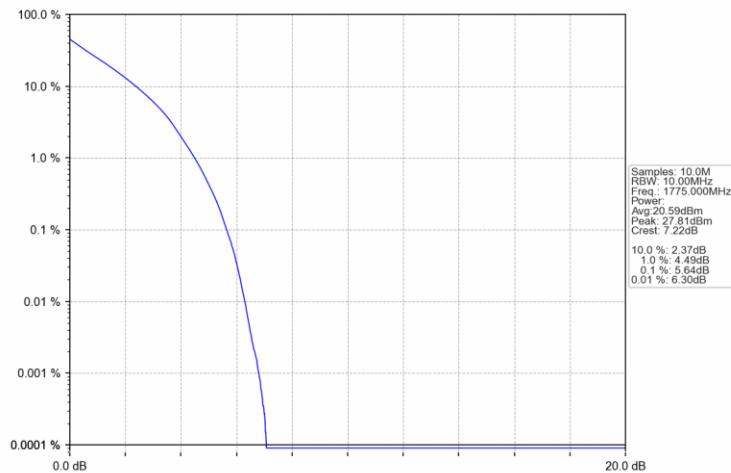
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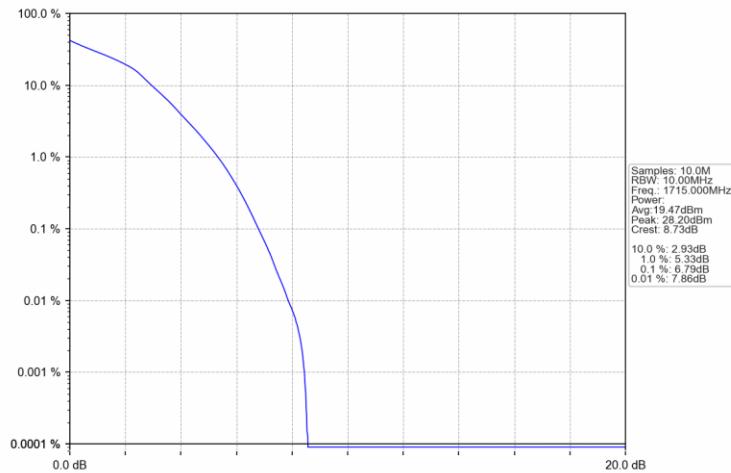
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



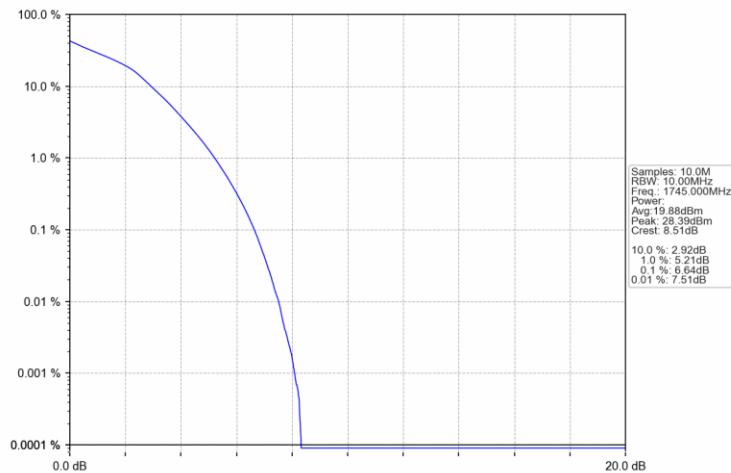
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



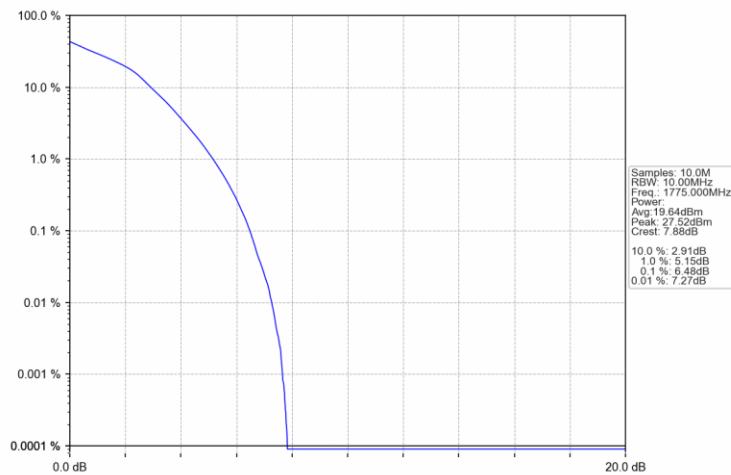
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



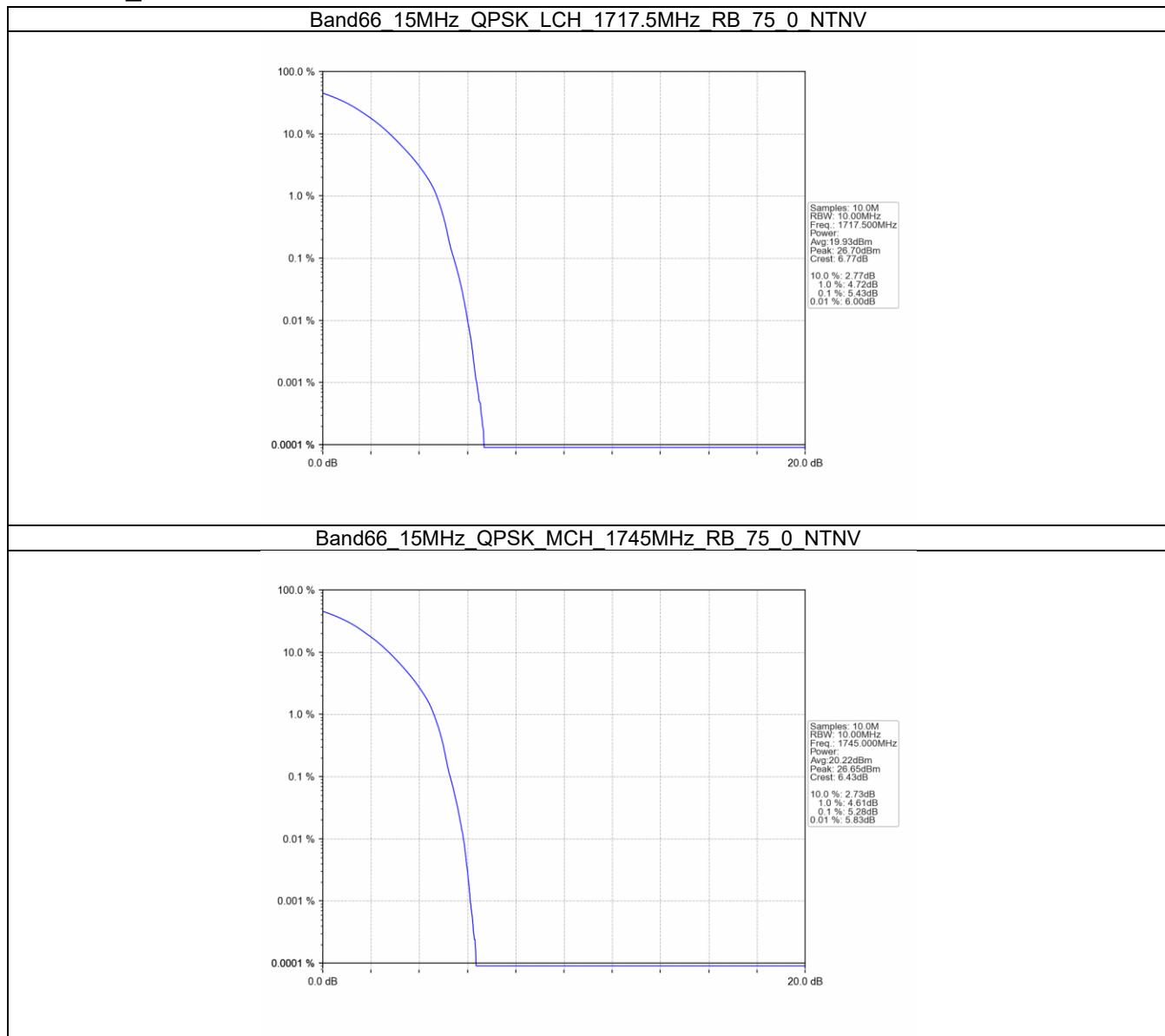
Band66 10MHz 16QAM MCH 1745MHz RB 50 0 NTV



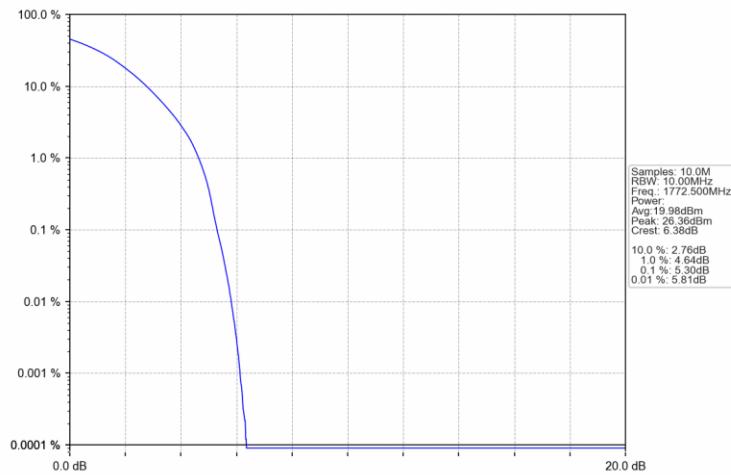
Band66 10MHz 16QAM HCH 1775MHz RB 50 0 NTV



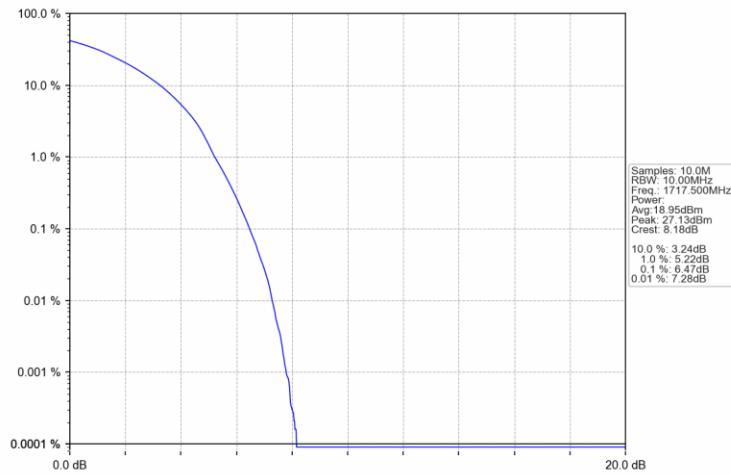
5.2.5 B66_15MHz



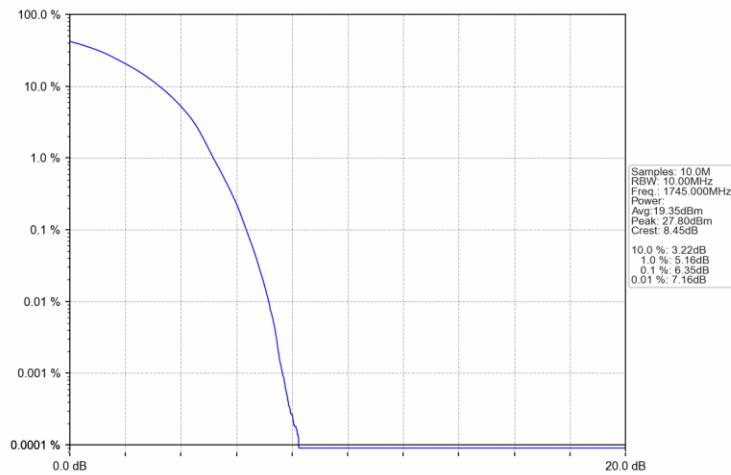
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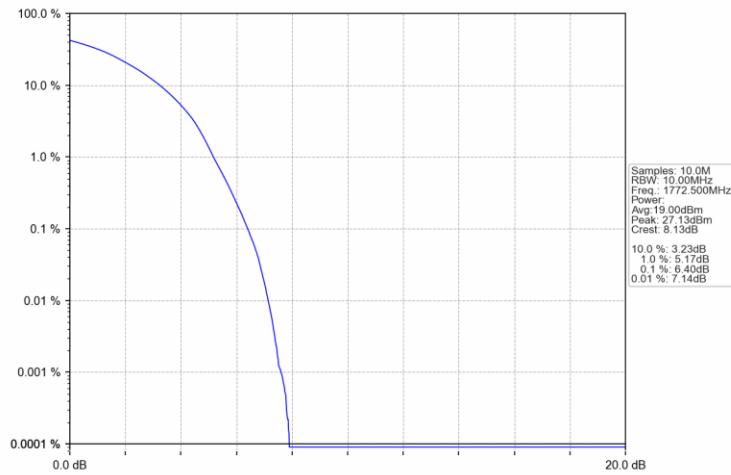
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



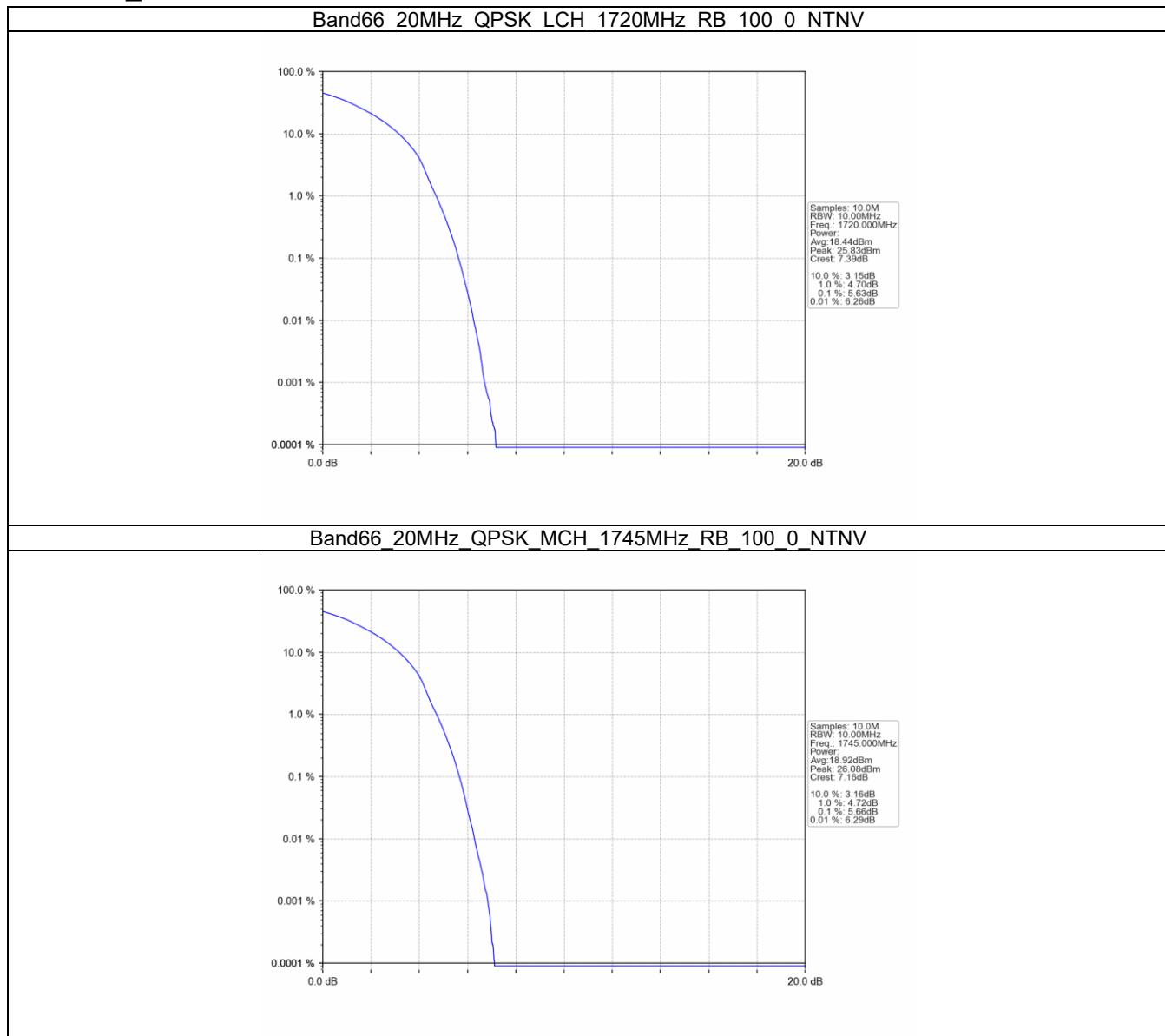
Band66 15MHz 16QAM MCH 1745MHz RB 75 0 NTV



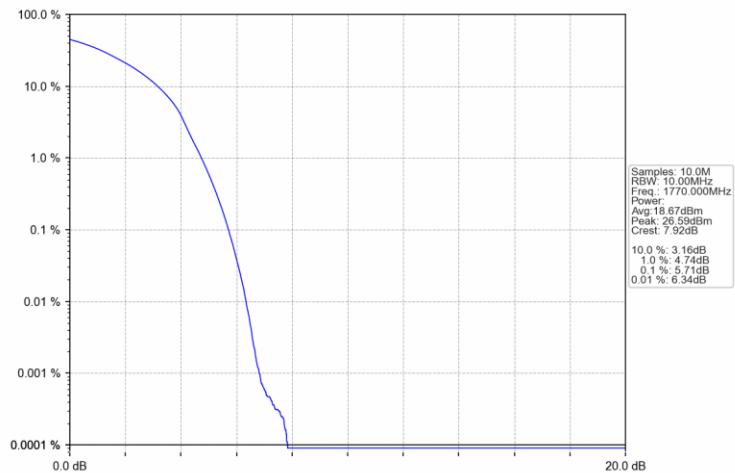
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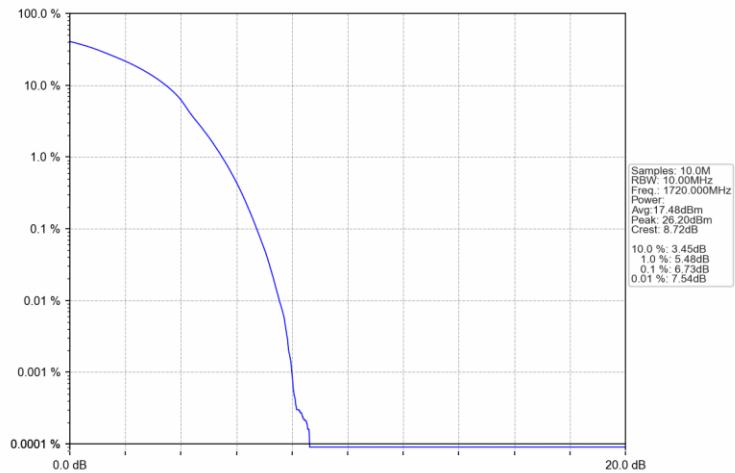
5.2.6 B66_20MHz



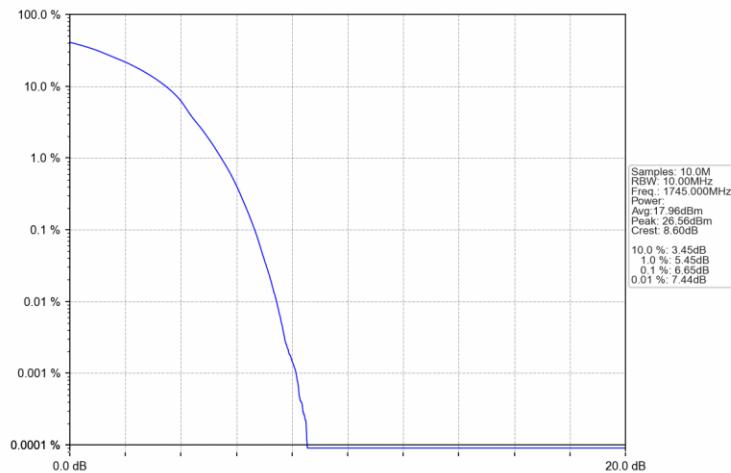
Band66 20MHz QPSK HCH 1770MHz RB 100 0 NTV



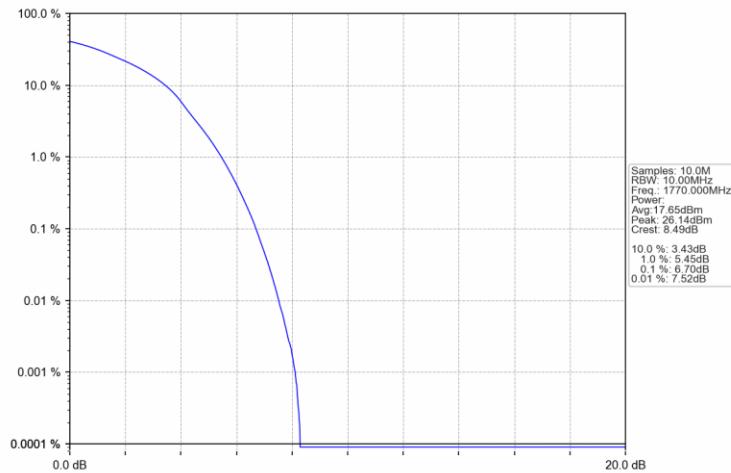
Band66 20MHz 16QAM LCH 1720MHz RB 100 0 NTV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B66_1.4MHz

Band: 66 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

6.1.2 B66_3MHz

Band: 66 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1778.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1778.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

6.1.3 B66_5MHz

Band: 66 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1777.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

	1745	1	0	Refer To Test Graph	Pass
	1777.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B66_10MHz

Band: 66 / Bandwidth: 10MHz / NTVN						Verdict	
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		
	1745	1	0	Refer To Test Graph	Pass		
		1775	0	Refer To Test Graph	Pass		
	1715	1	49	Refer To Test Graph	Pass		
			50	Refer To Test Graph	Pass		
16QAM	1715	1	0	Refer To Test Graph	Pass		
		50	0	Refer To Test Graph	Pass		
	1745	1	0	Refer To Test Graph	Pass		
	1775	1	0	Refer To Test Graph	Pass		
			49	Refer To Test Graph	Pass		
		50	0	Refer To Test Graph	Pass		

6.1.5 B66_15MHz

Band: 66 / Bandwidth: 15MHz / NTVN						Verdict	
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		
	1745	1	0	Refer To Test Graph	Pass		
		1772.5	0	Refer To Test Graph	Pass		
	1717.5	1	74	Refer To Test Graph	Pass		
			75	Refer To Test Graph	Pass		
16QAM	1717.5	1	0	Refer To Test Graph	Pass		
		75	0	Refer To Test Graph	Pass		
	1745	1	0	Refer To Test Graph	Pass		
	1772.5	1	0	Refer To Test Graph	Pass		
			74	Refer To Test Graph	Pass		
		75	0	Refer To Test Graph	Pass		

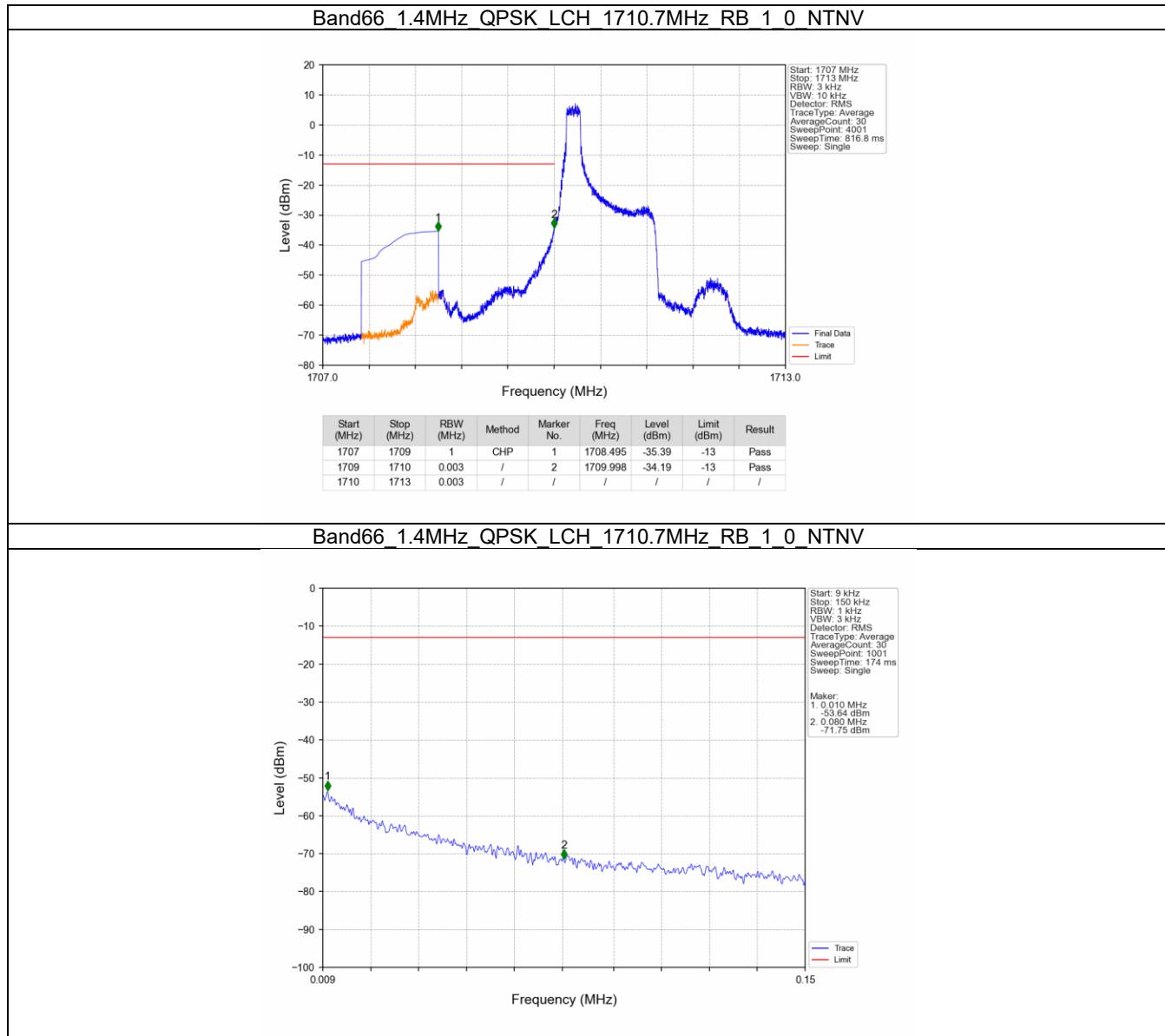
6.1.6 B66_20MHz

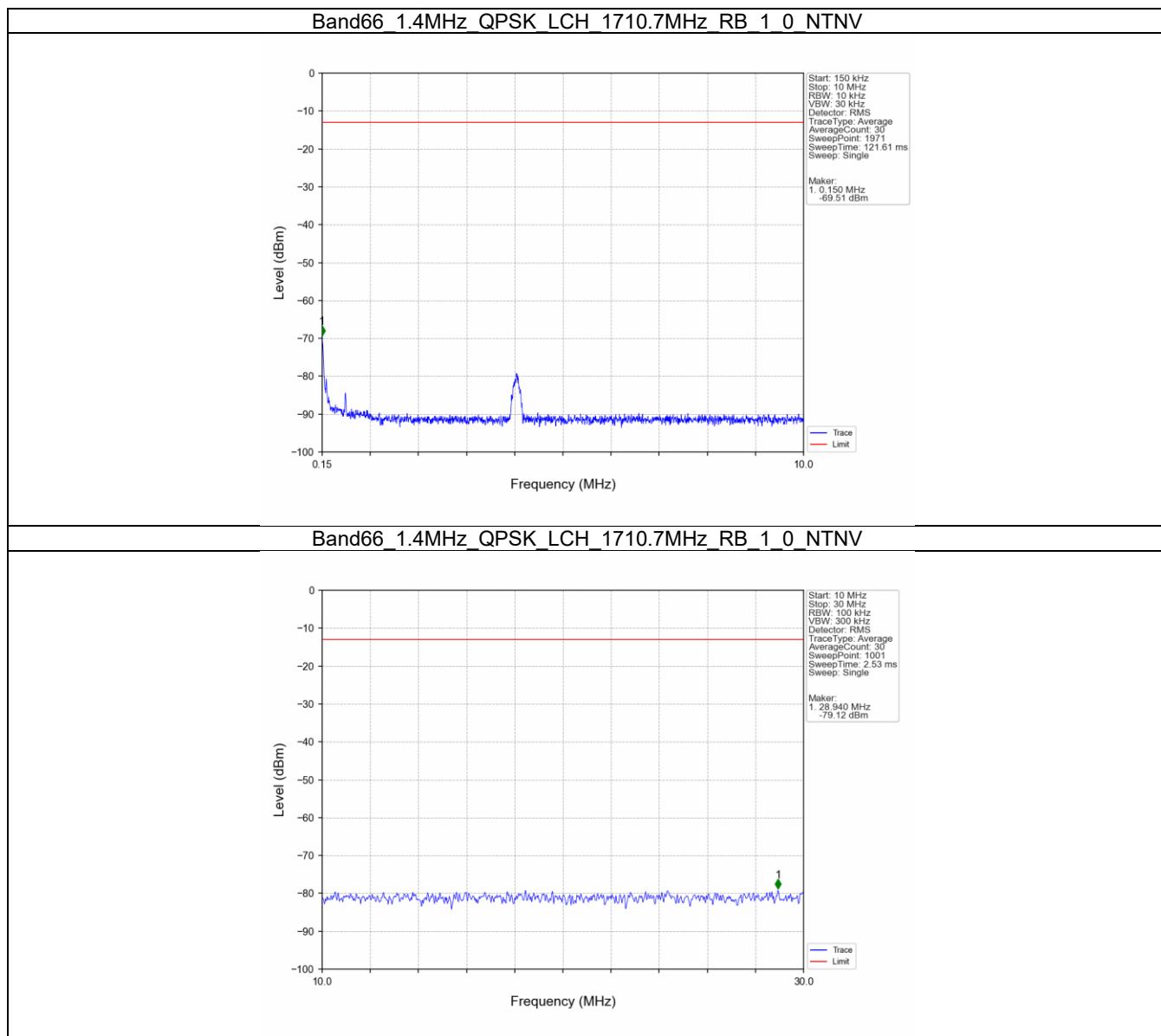
Band: 66 / Bandwidth: 20MHz / NTVN						Verdict	
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission			
		Size	Offset	Result	Limit		
QPSK	1720	1	0	Refer To Test Graph	Pass		
		100	0	Refer To Test Graph	Pass		
	1745	1	0	Refer To Test Graph	Pass		
		1770	0	Refer To Test Graph	Pass		
	1720	1	99	Refer To Test Graph	Pass		
			100	Refer To Test Graph	Pass		
16QAM	1720	1	0	Refer To Test Graph	Pass		
		100	0	Refer To Test Graph	Pass		
	1745	1	0	Refer To Test Graph	Pass		
	1770	1	0	Refer To Test Graph	Pass		
			99	Refer To Test Graph	Pass		

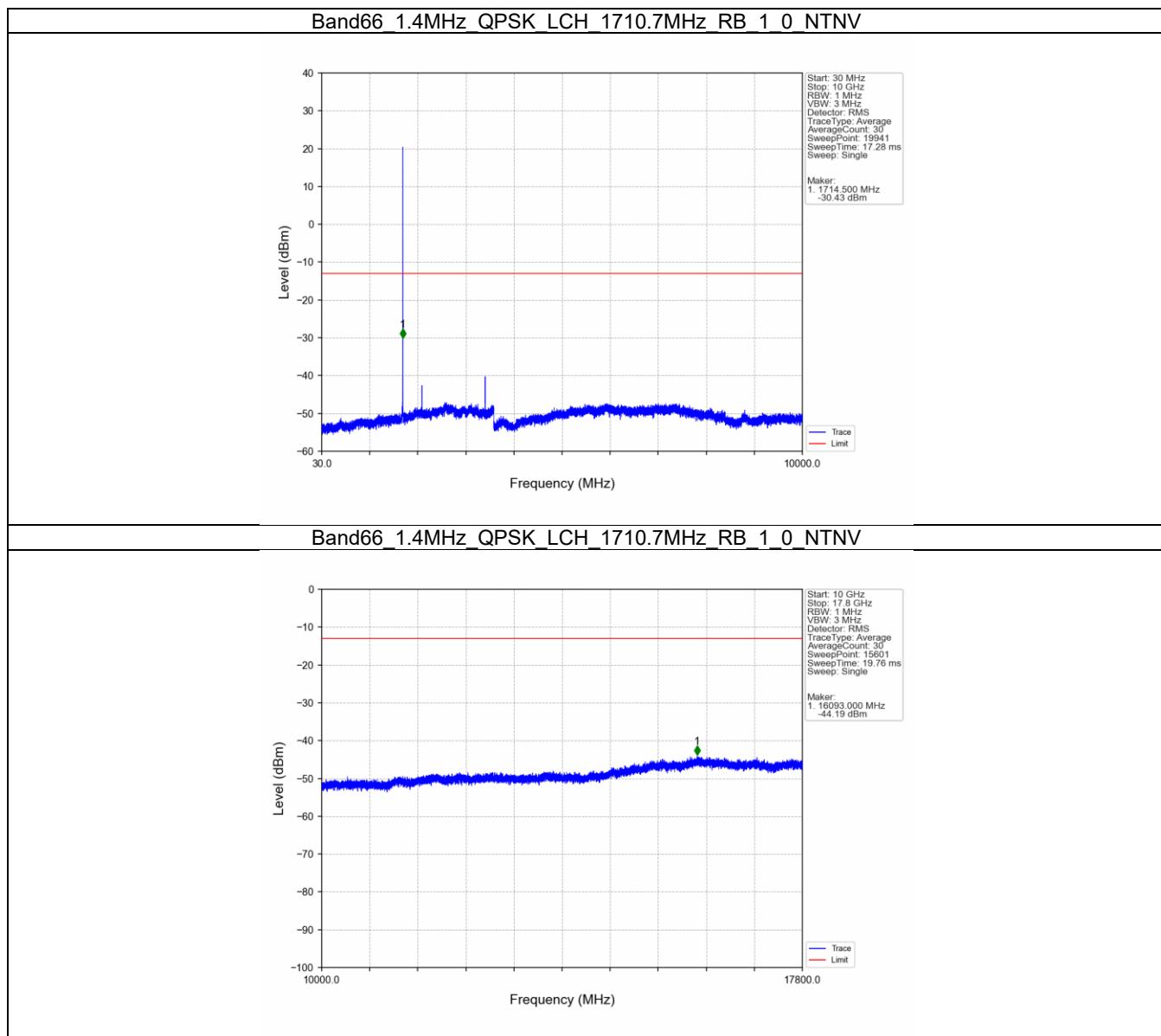
		100	0	Refer To Test Graph	Pass
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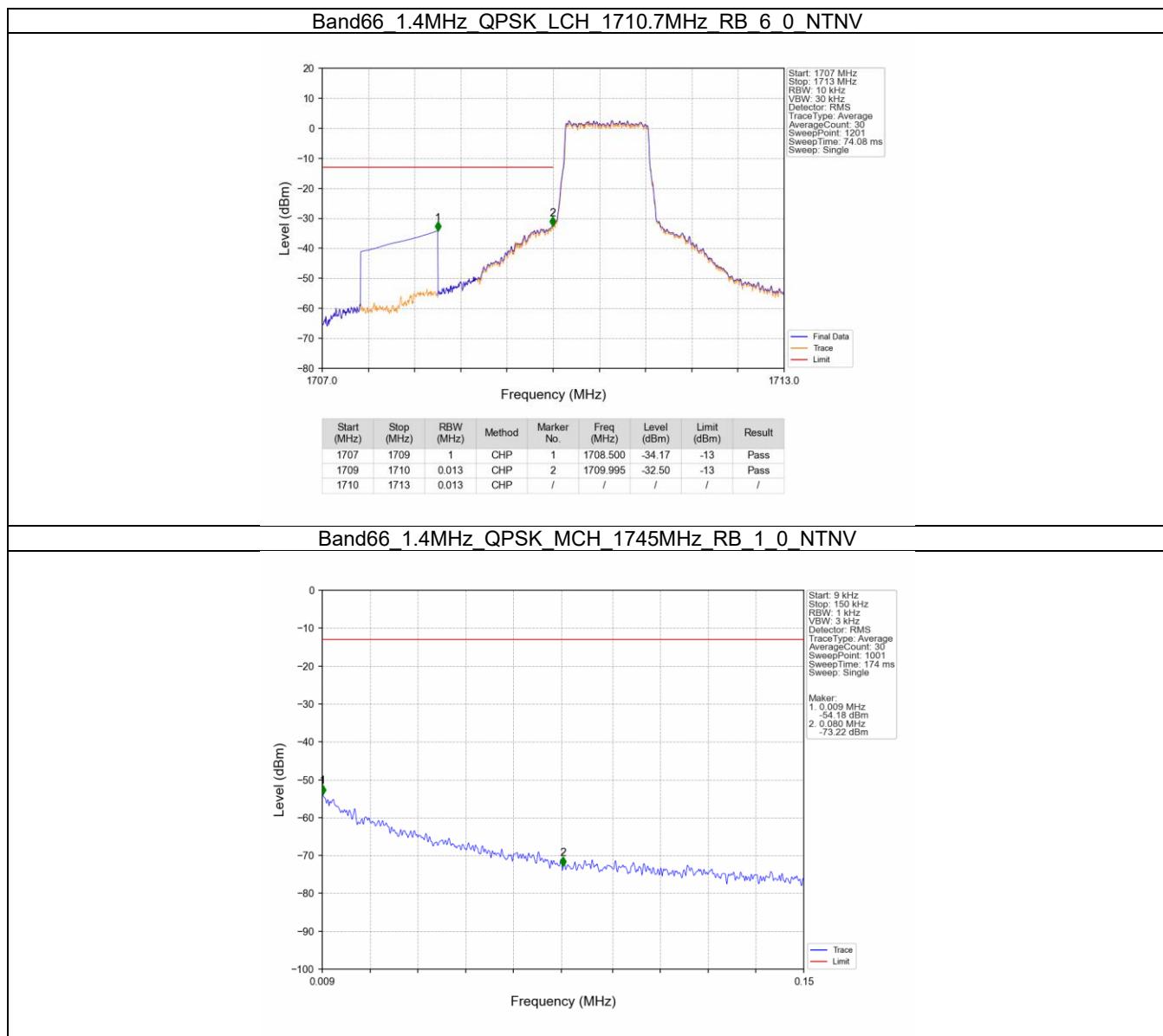
6.2 Test Graph

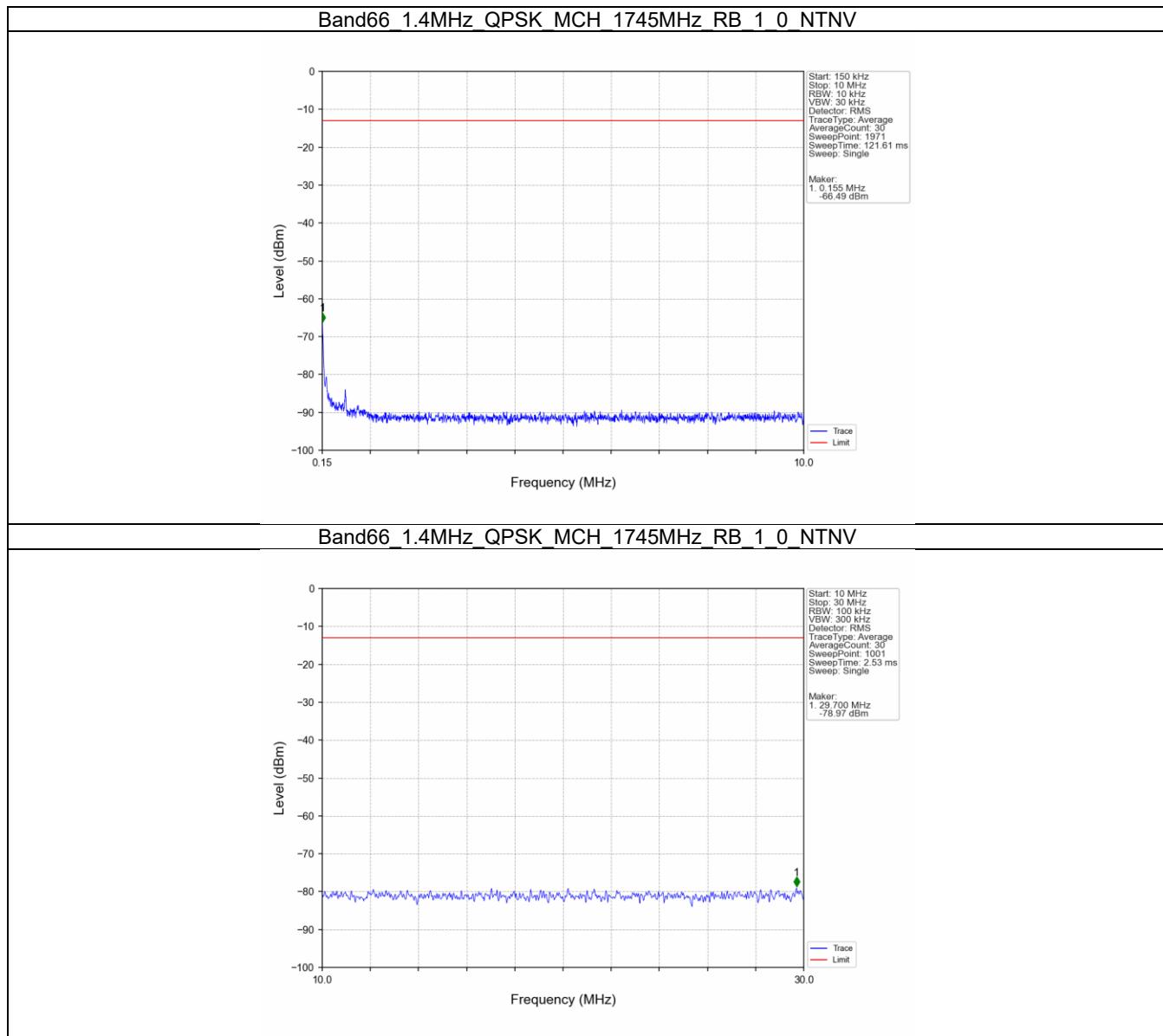
6.2.1 B66_1.4MHz

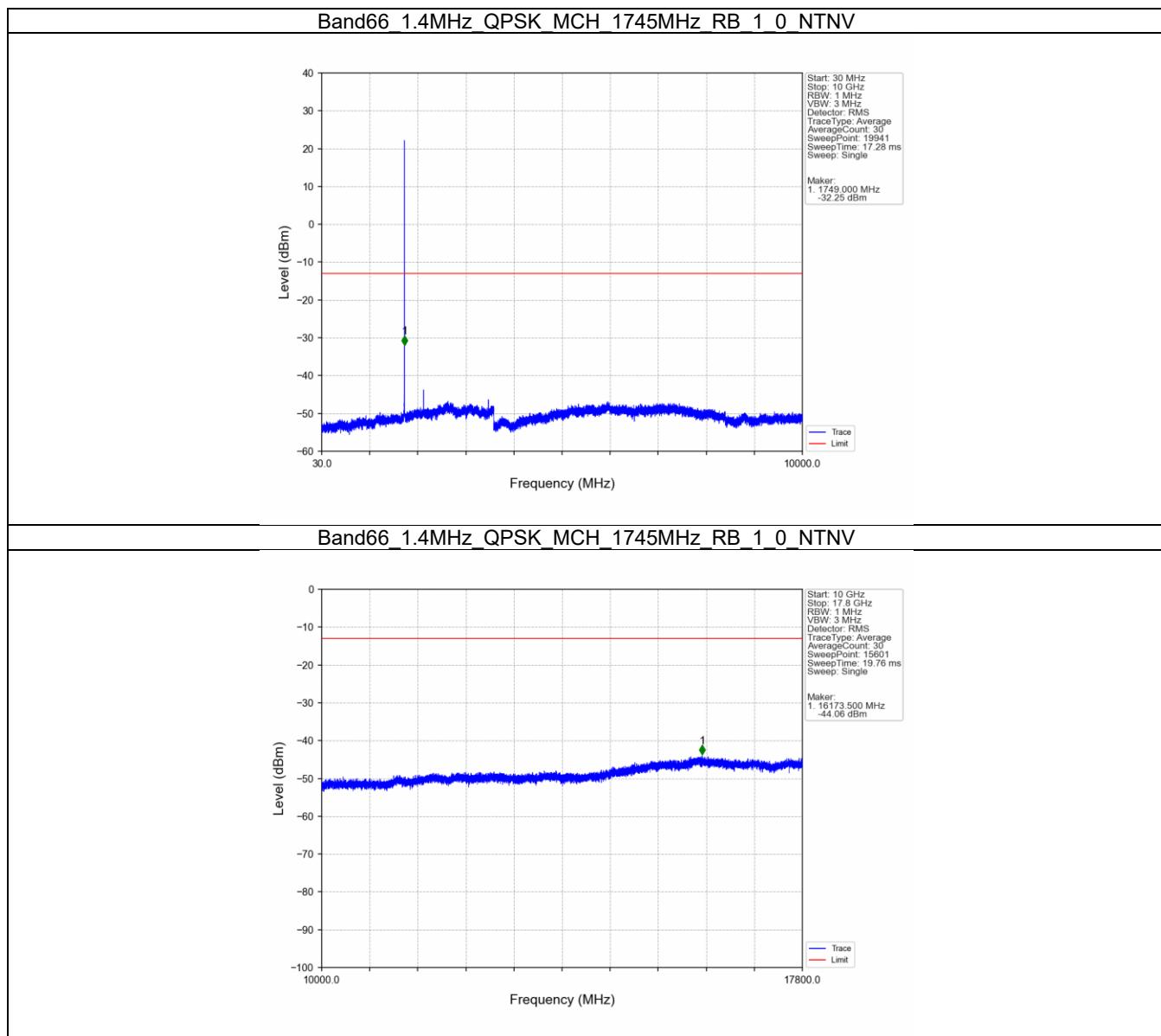




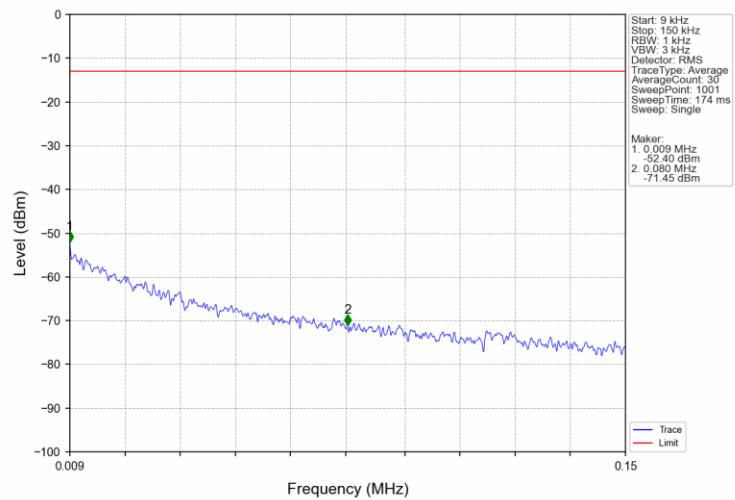




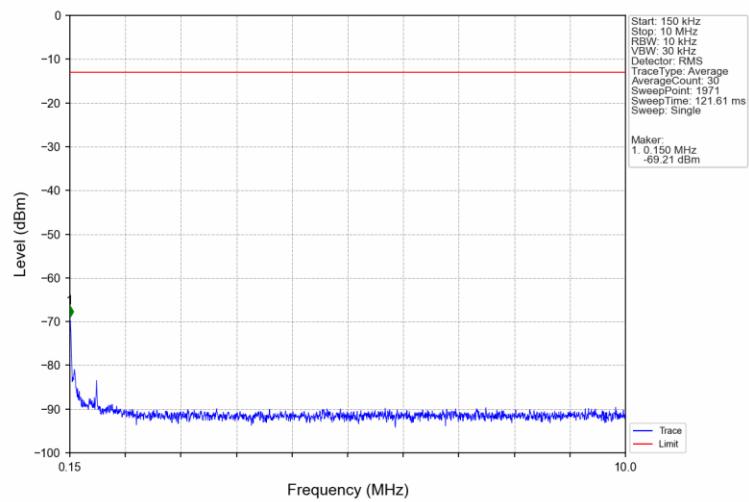


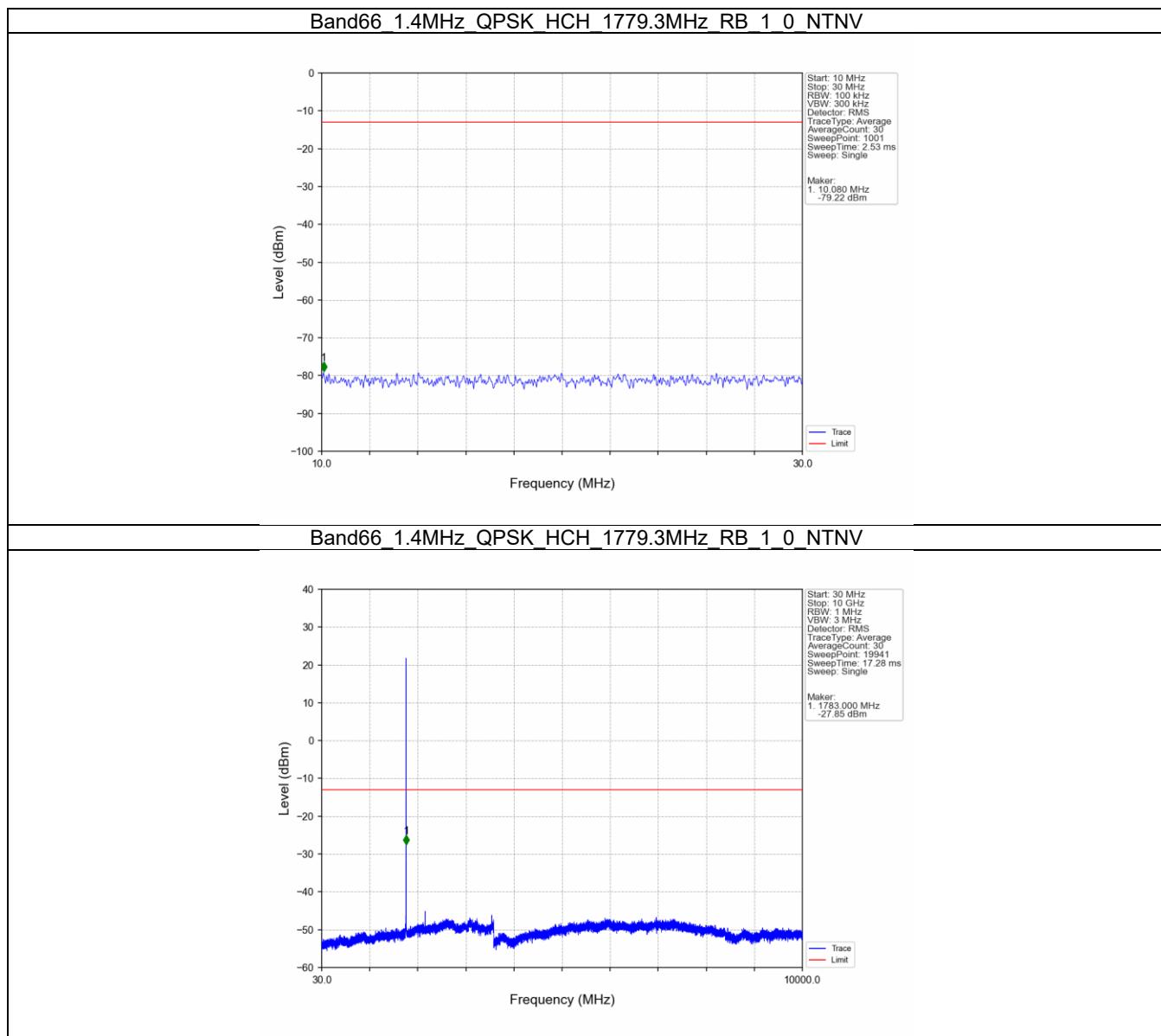


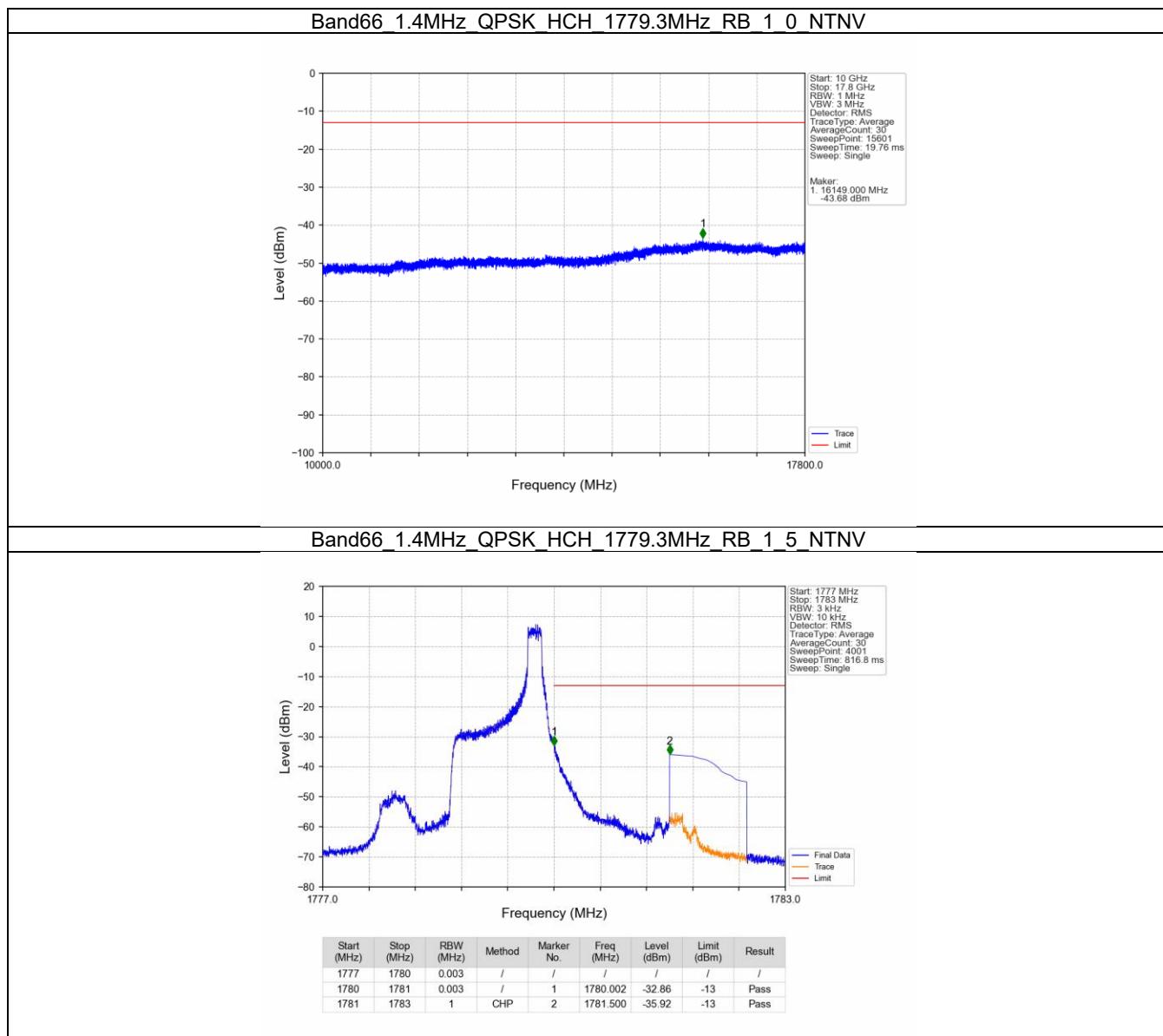
Band66 1.4MHz QPSK HCH 1779.3MHz RB 1_0 NTVN



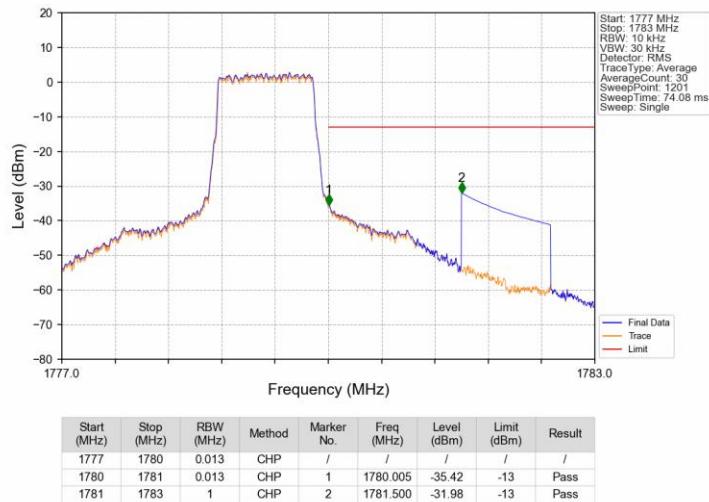
Band66 1.4MHz QPSK HCH 1779.3MHz RB 1_0 NTVN



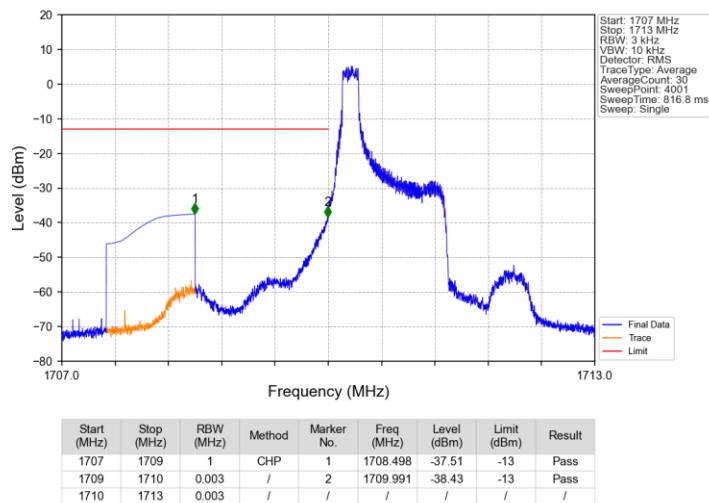




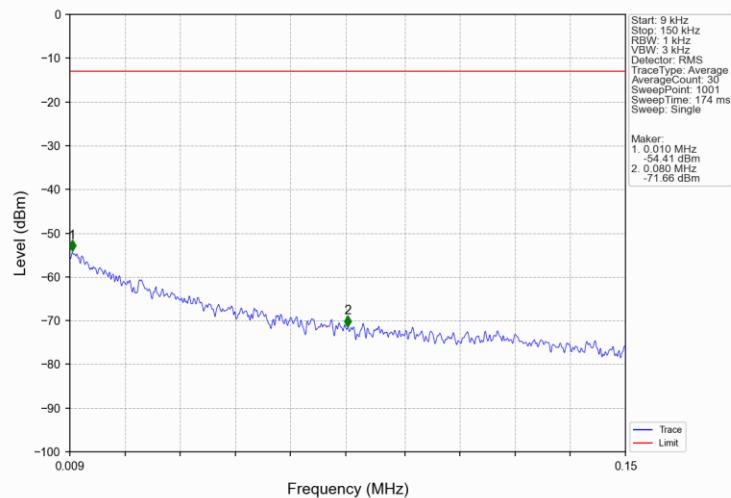
Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTVN



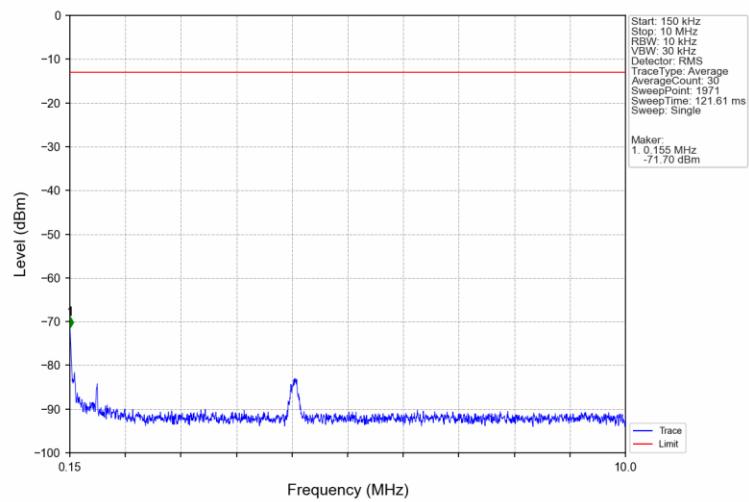
Band66 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTVN



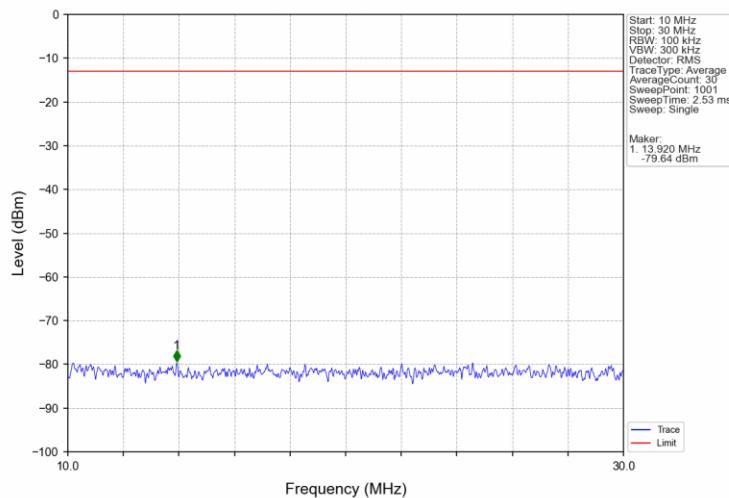
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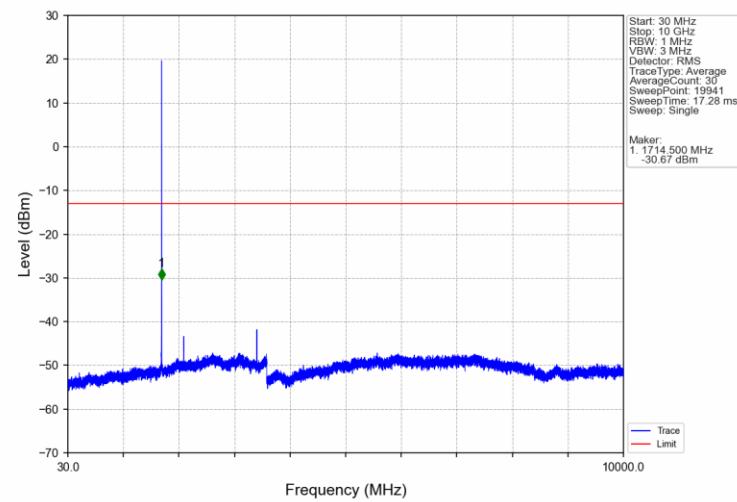
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



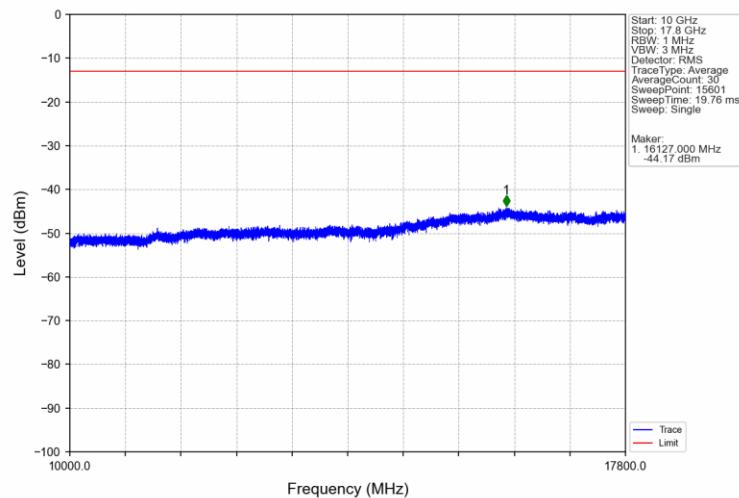
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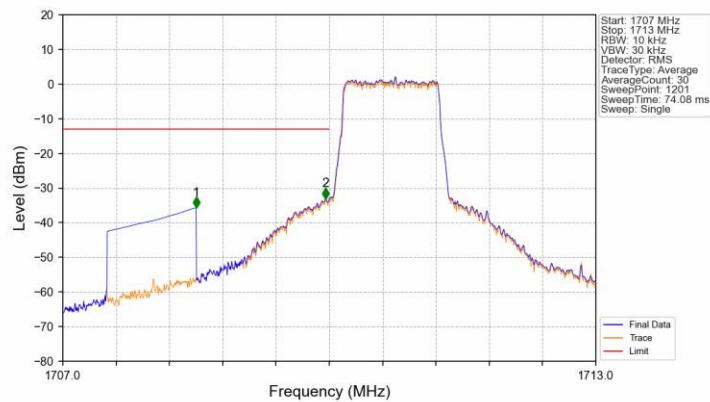
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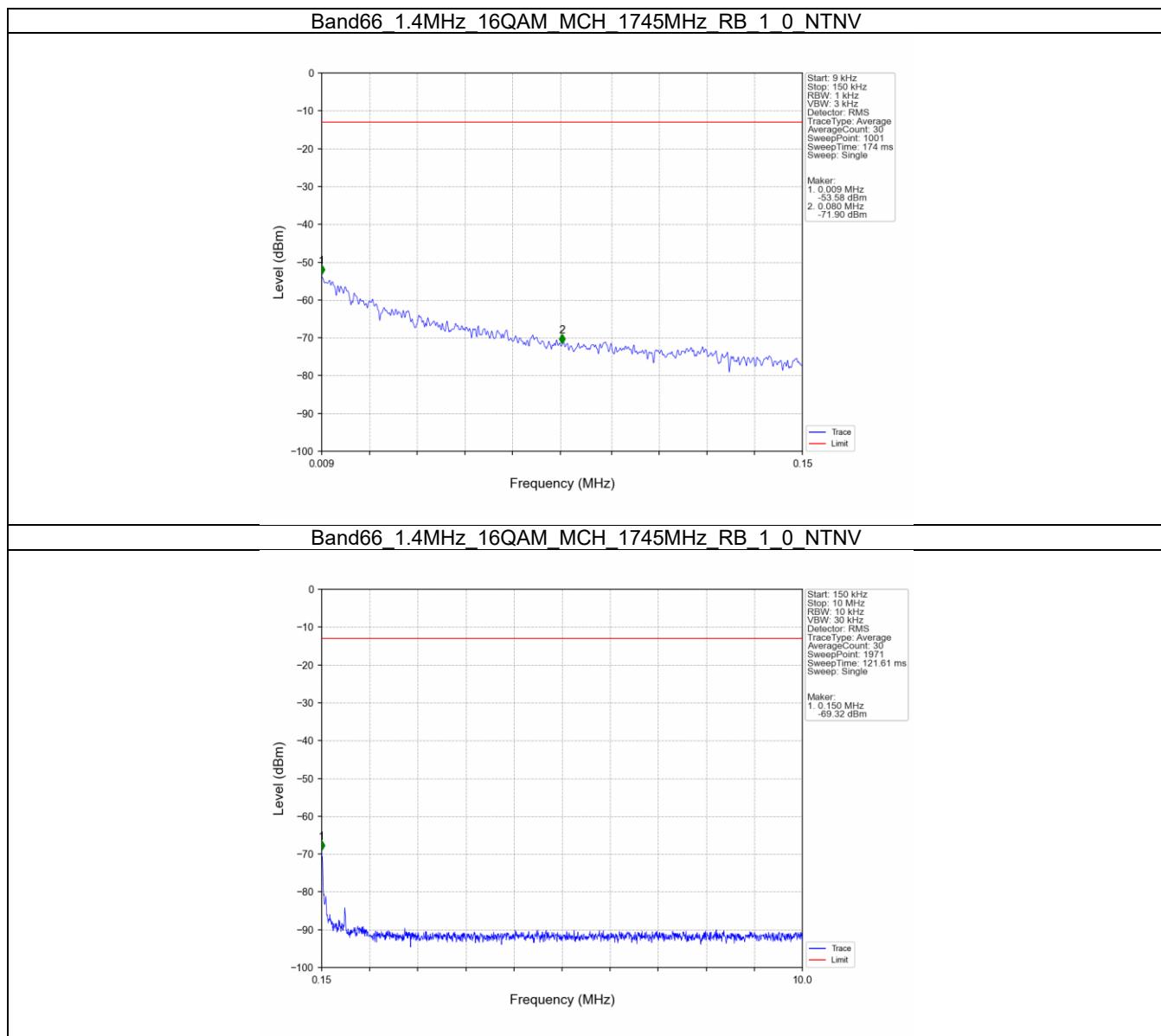
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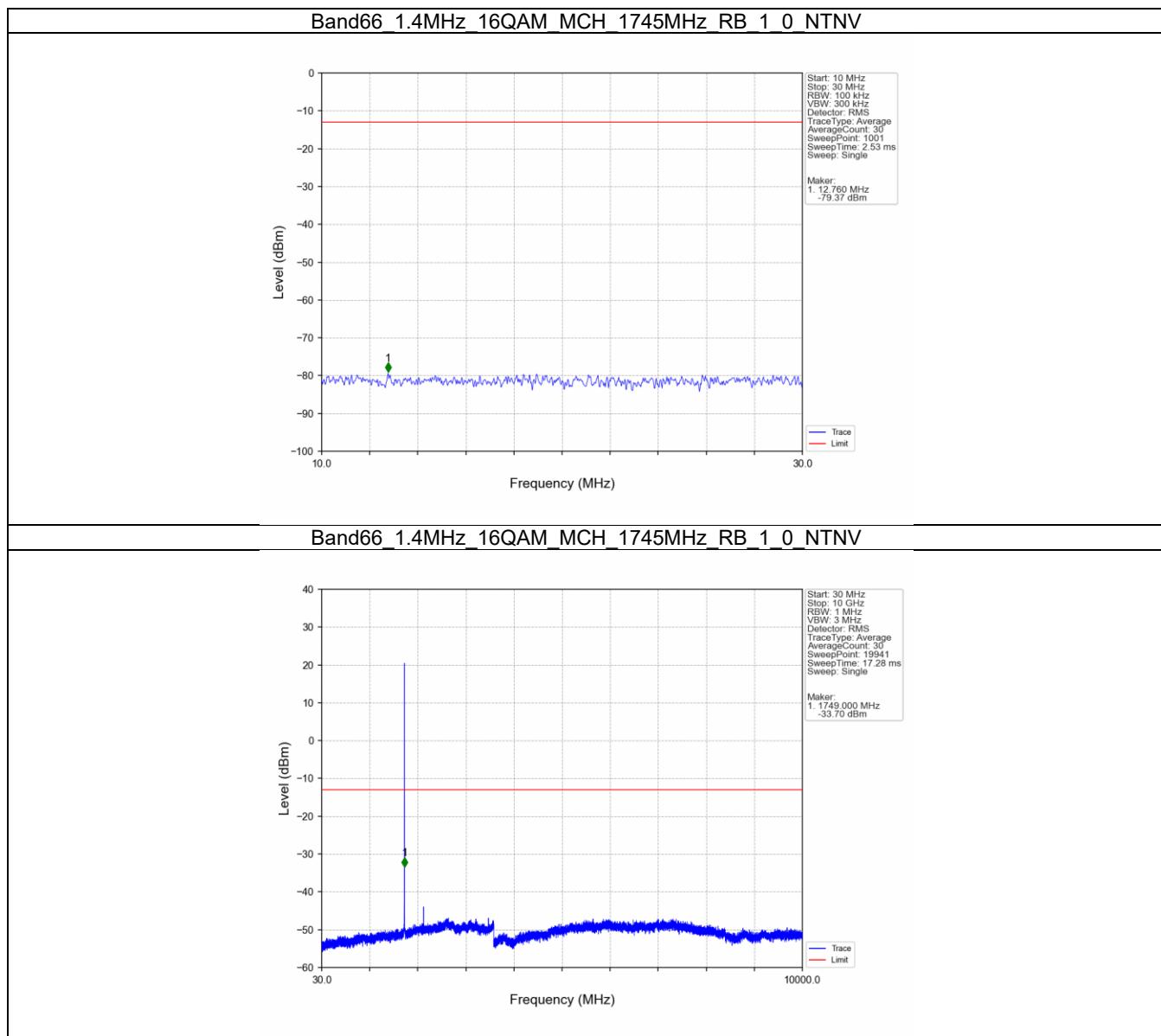


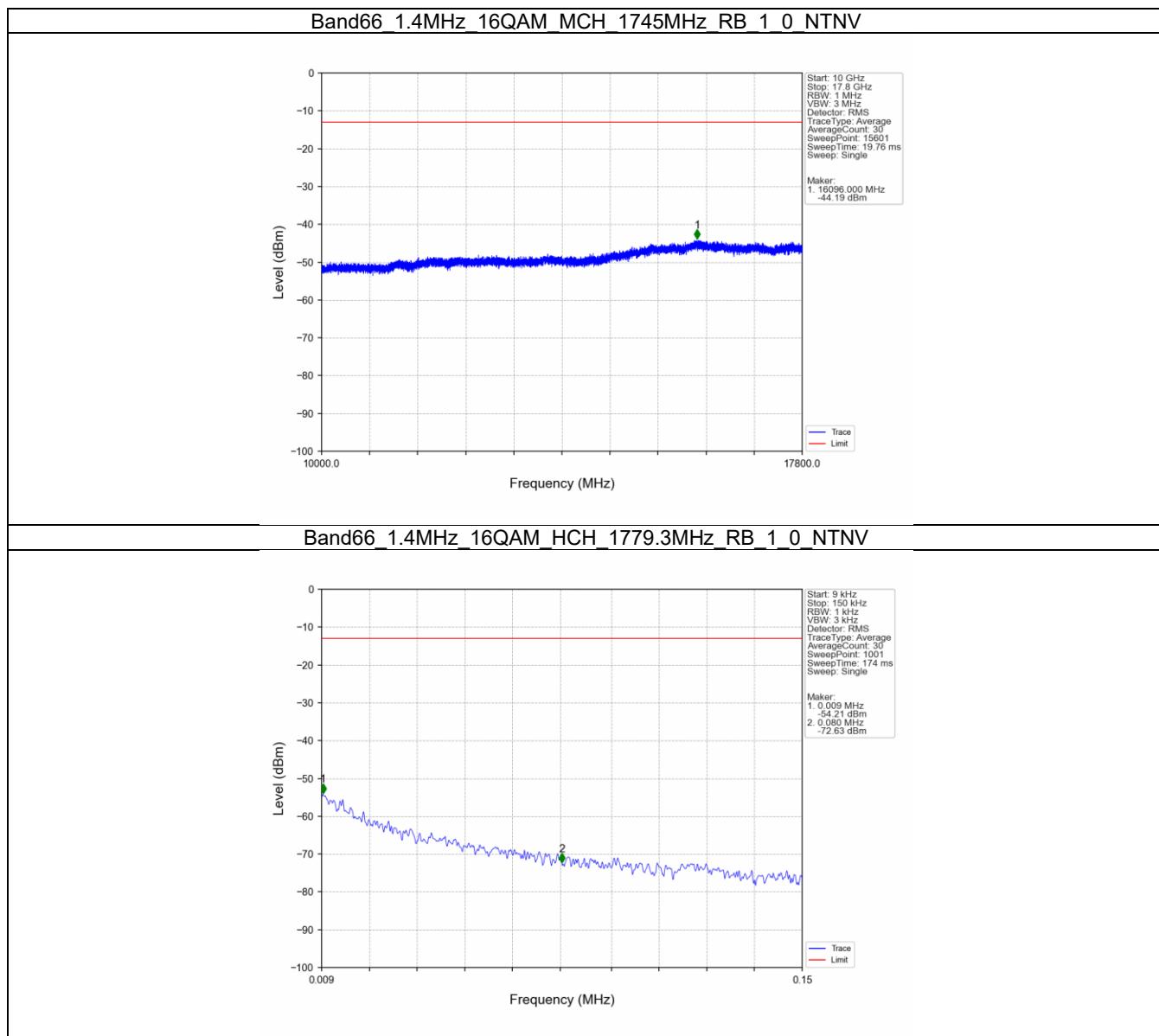
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



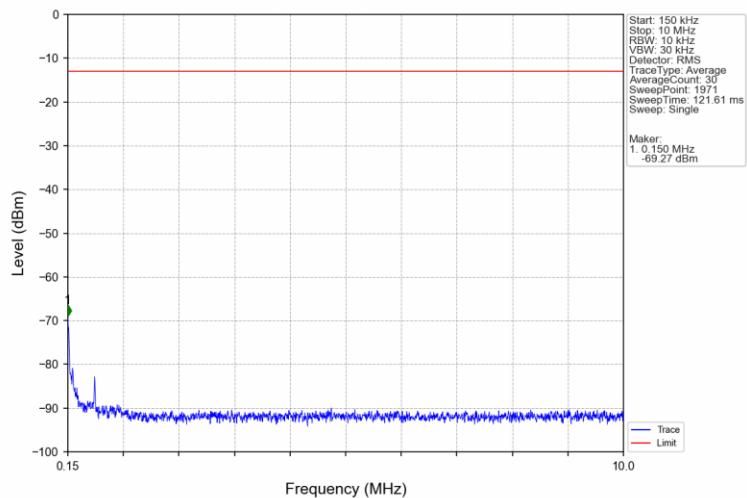
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-35.64	-13	Pass
1709	1710	0.013	CHP	2	1709.960	-33.04	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/



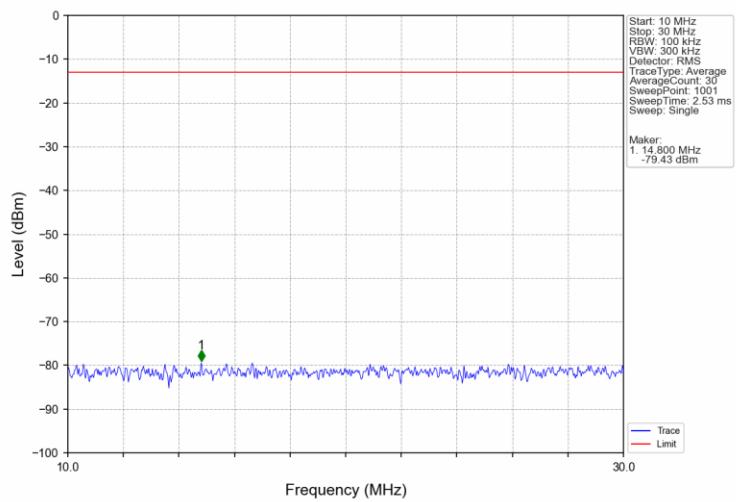




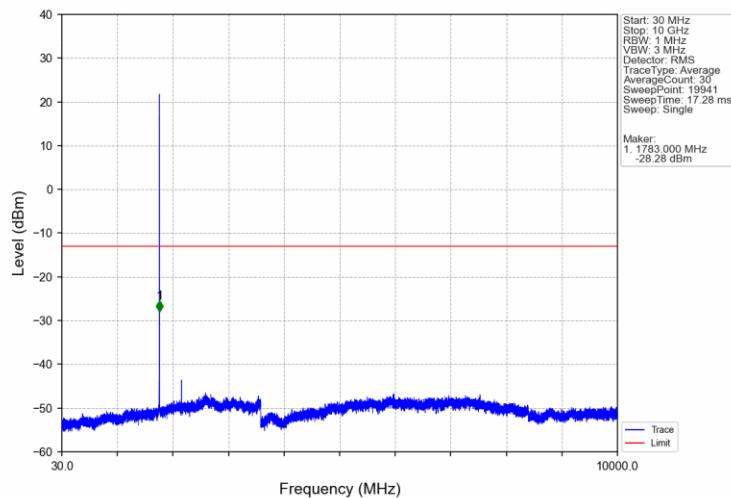
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV



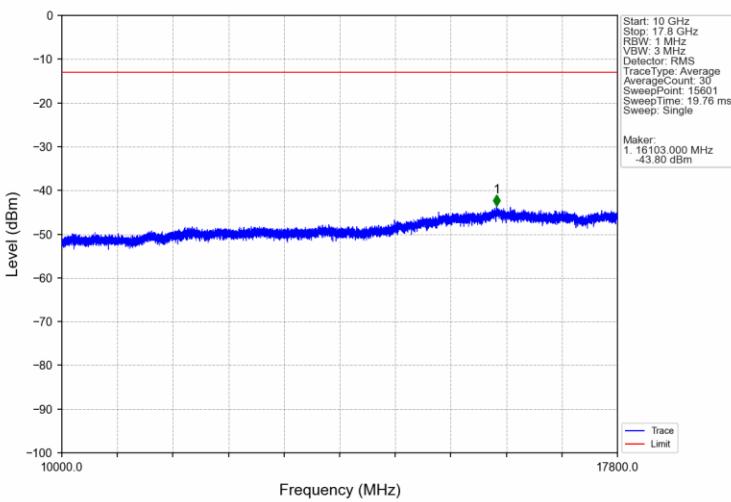
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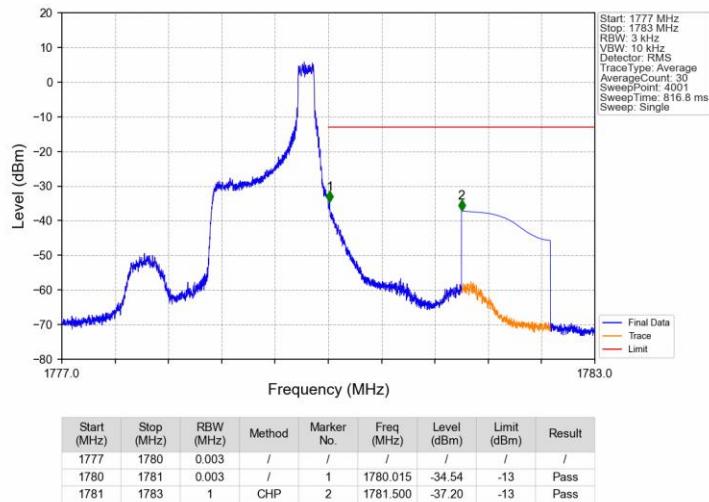
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV



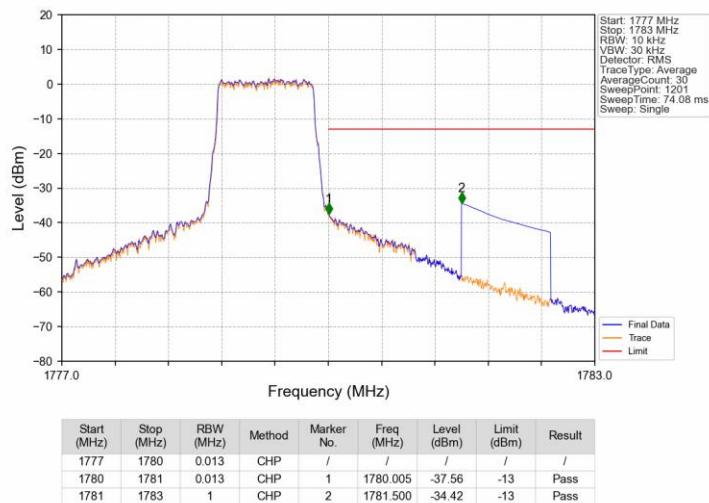
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV



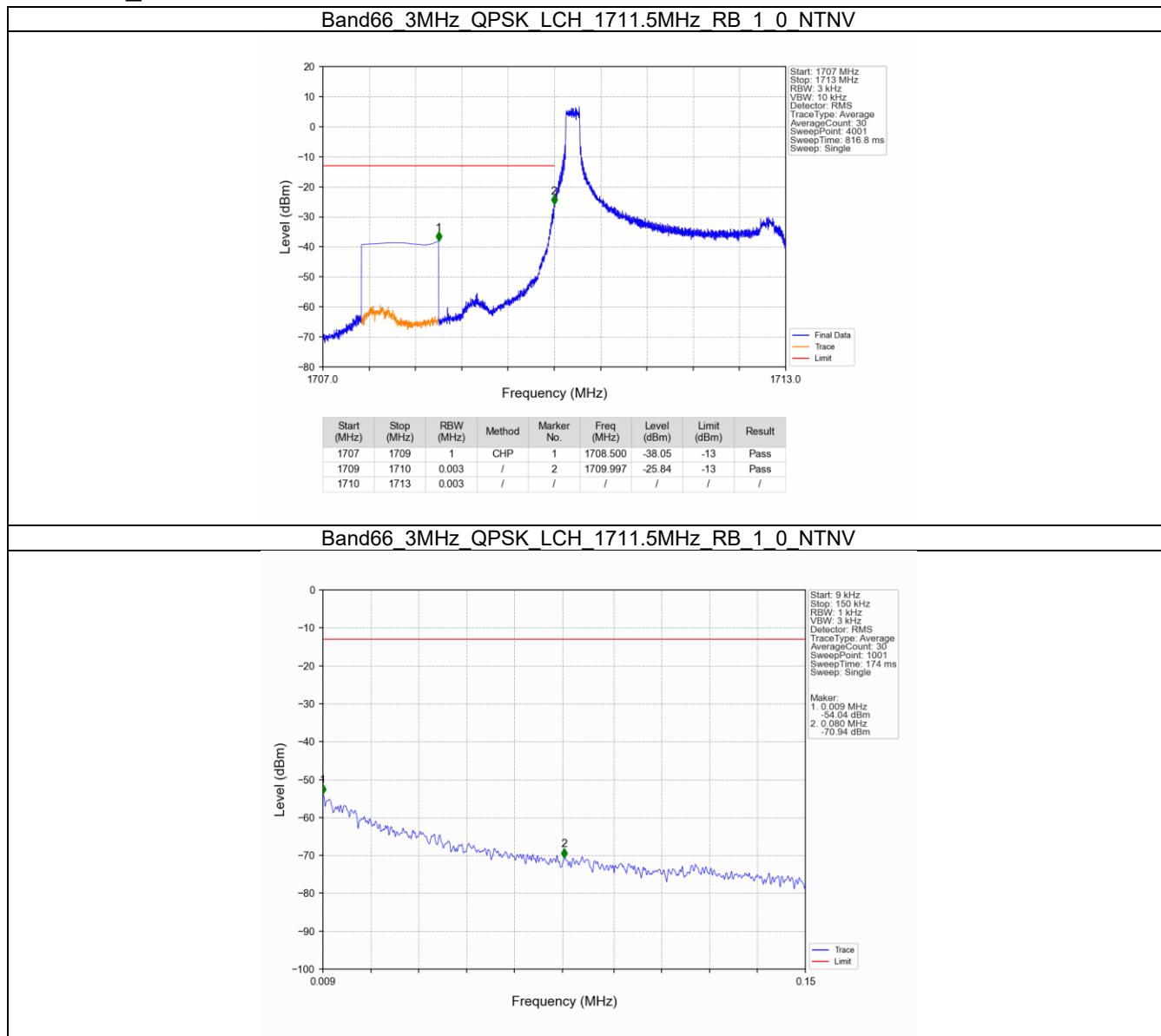
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_5_NTNV



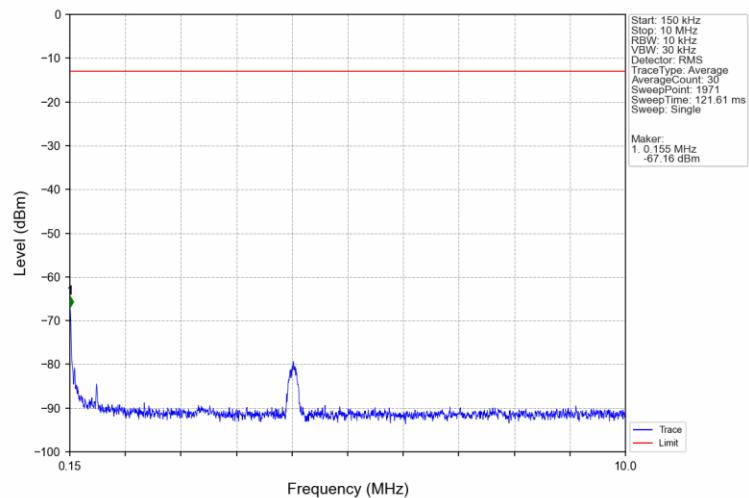
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



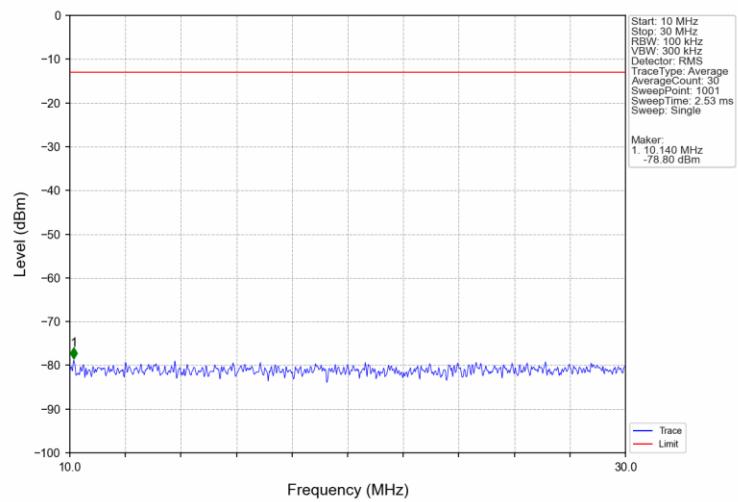
6.2.2 B66_3MHz



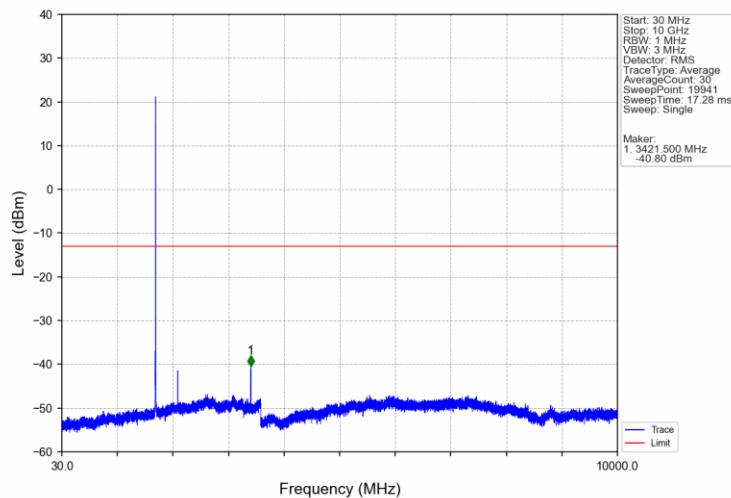
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



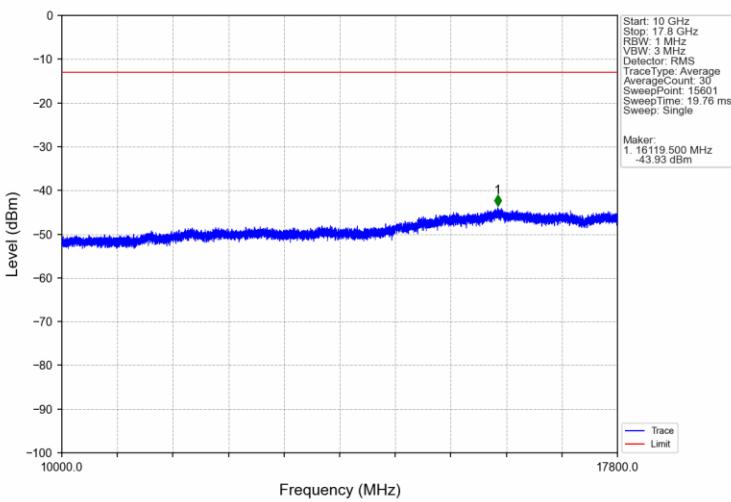
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

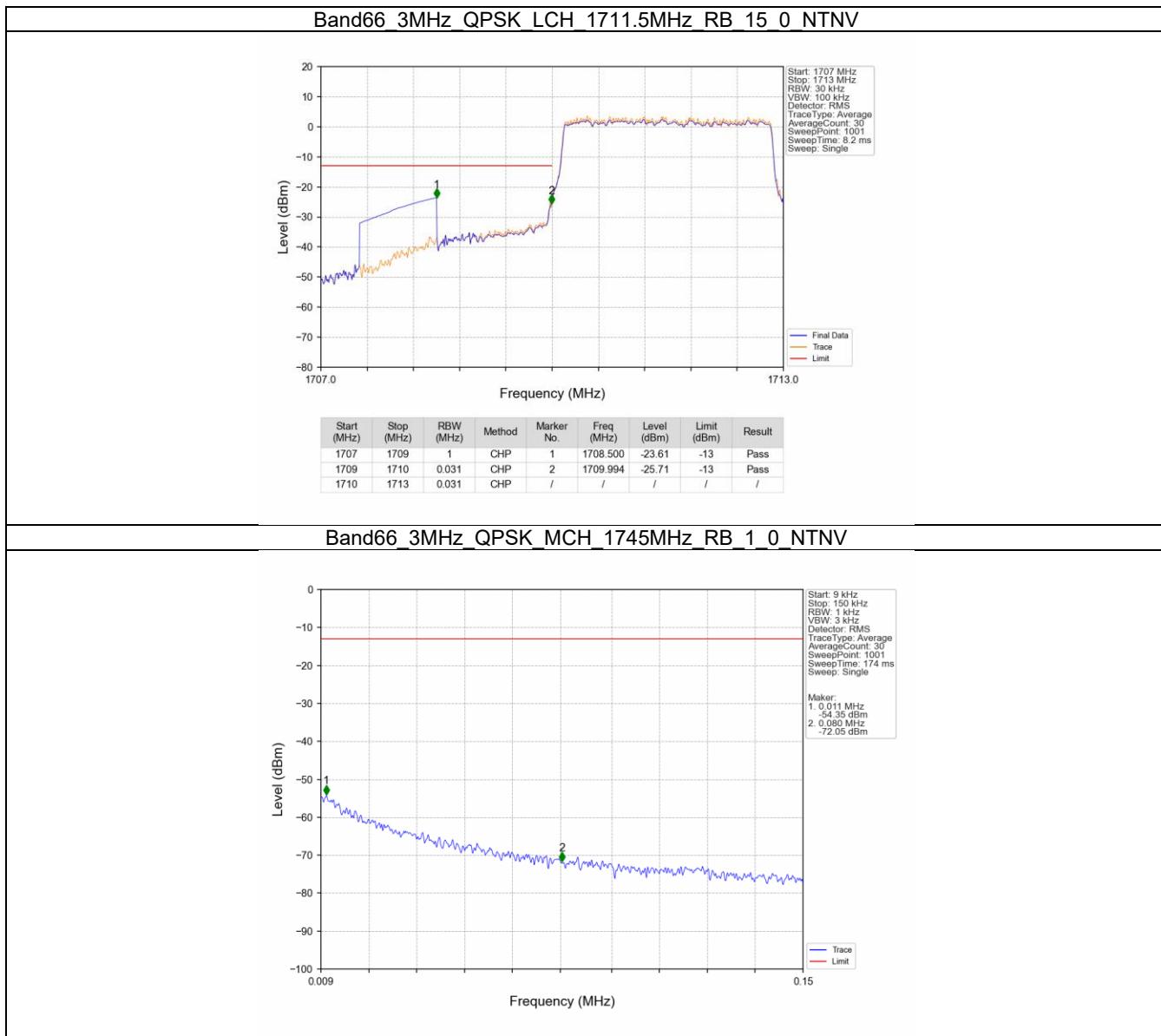


Band66 3MHz QPSK LCH 1711.5MHz RB 1_0 NTV

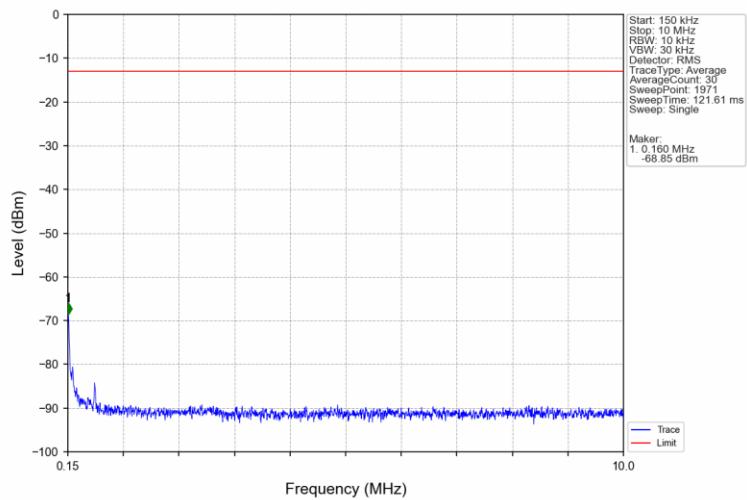


Band66 3MHz QPSK LCH 1711.5MHz RB 1_0 NTV

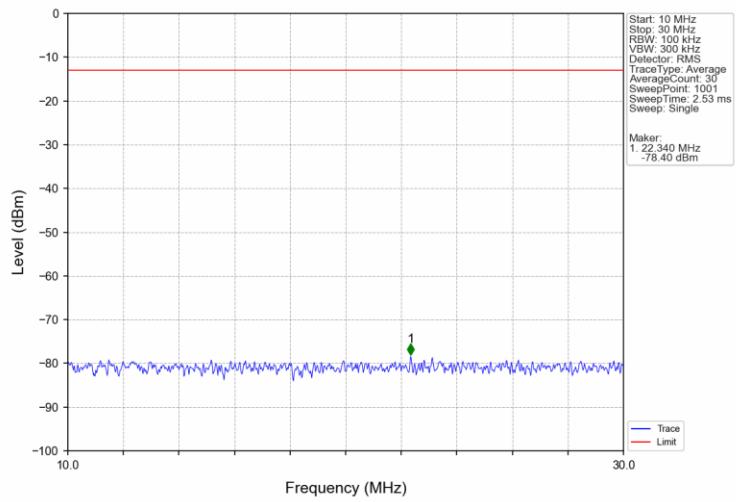




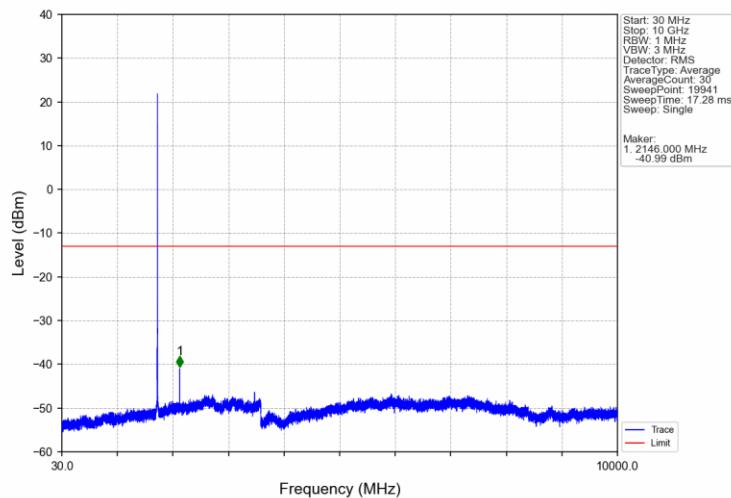
Band66_3MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



Band66_3MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



Band66_3MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



Band66_3MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV

