

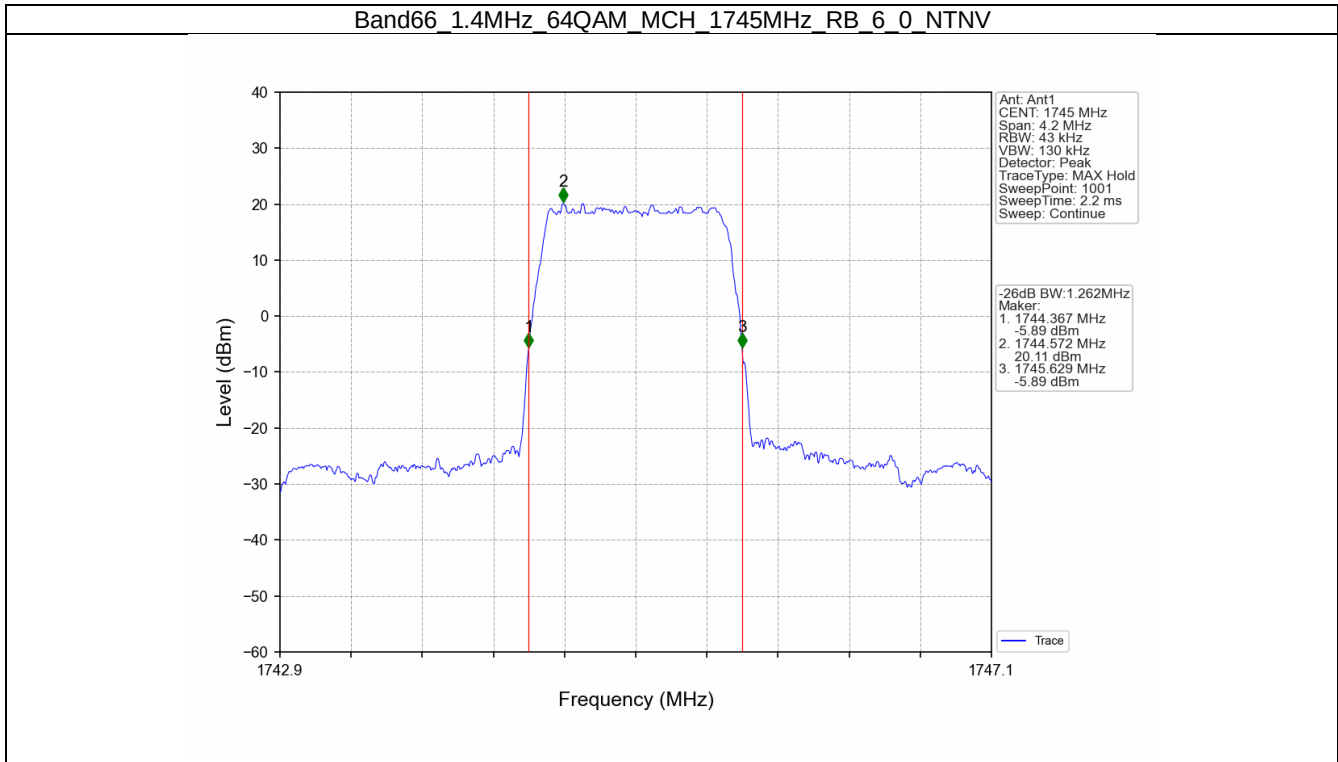


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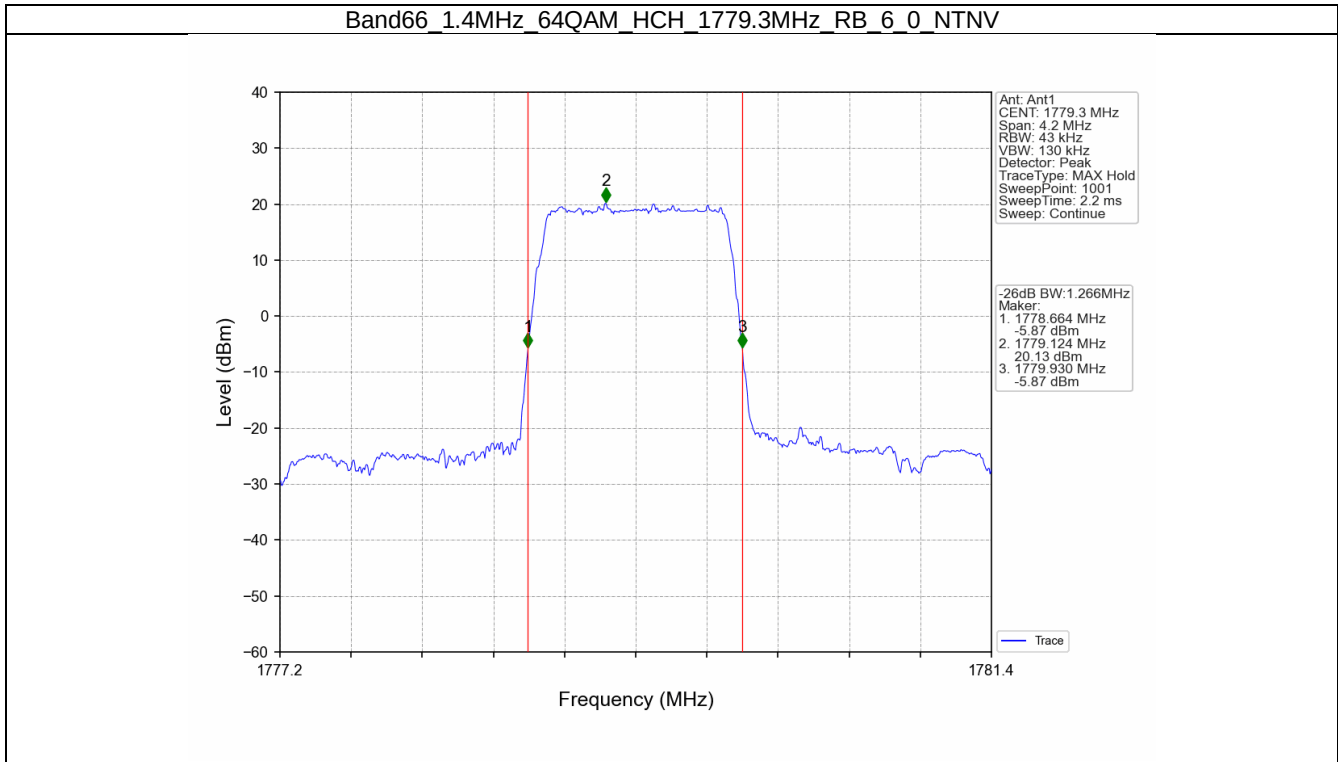


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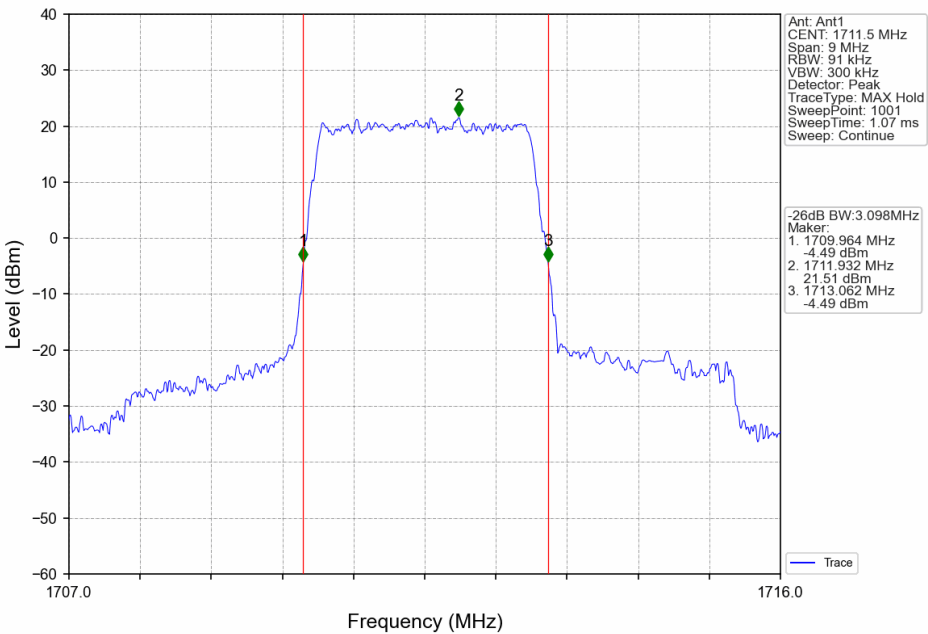
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Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



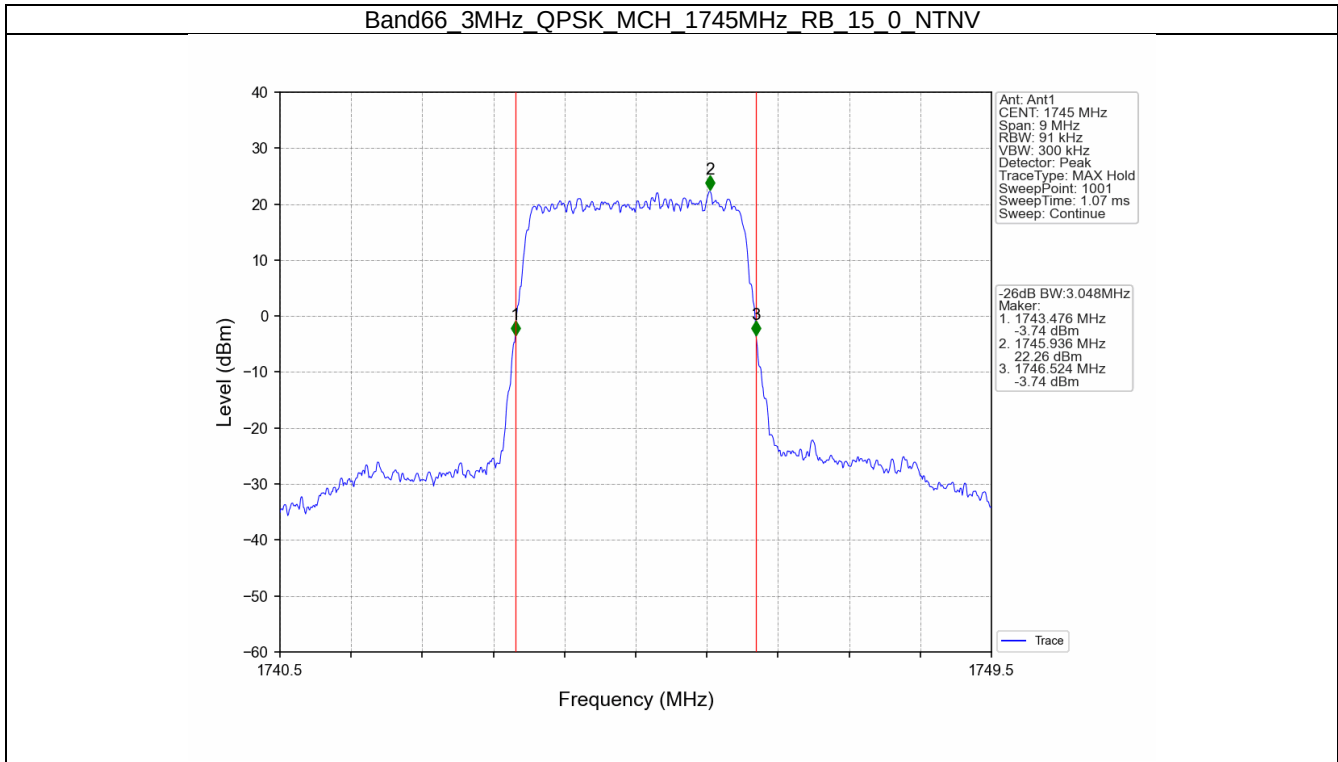


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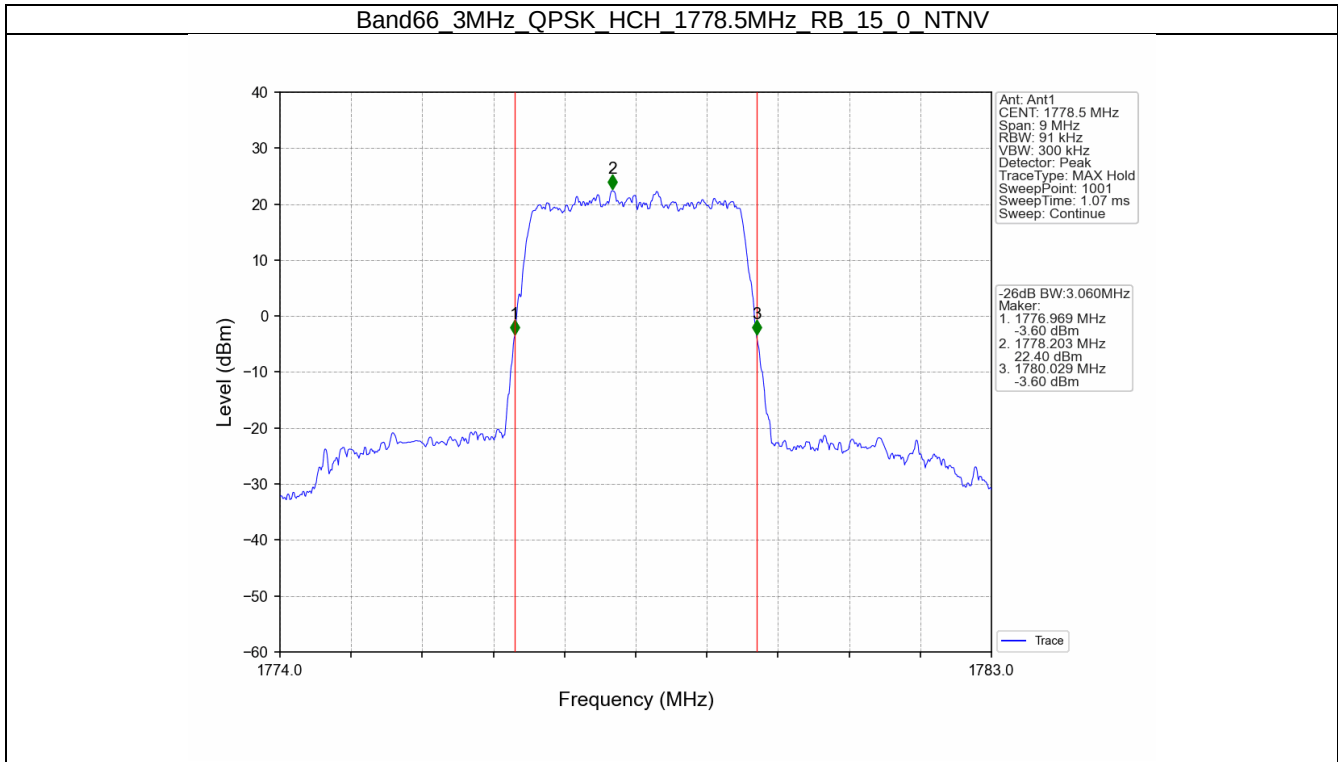


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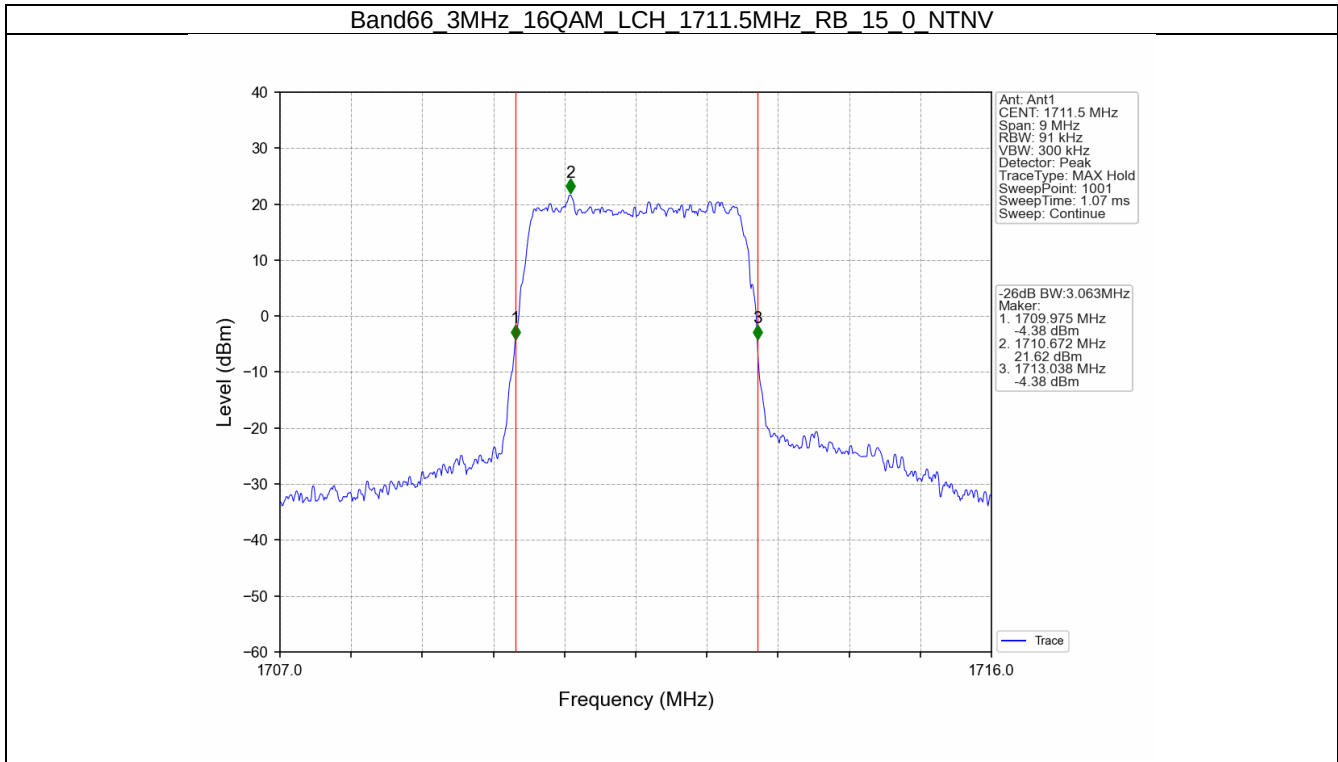


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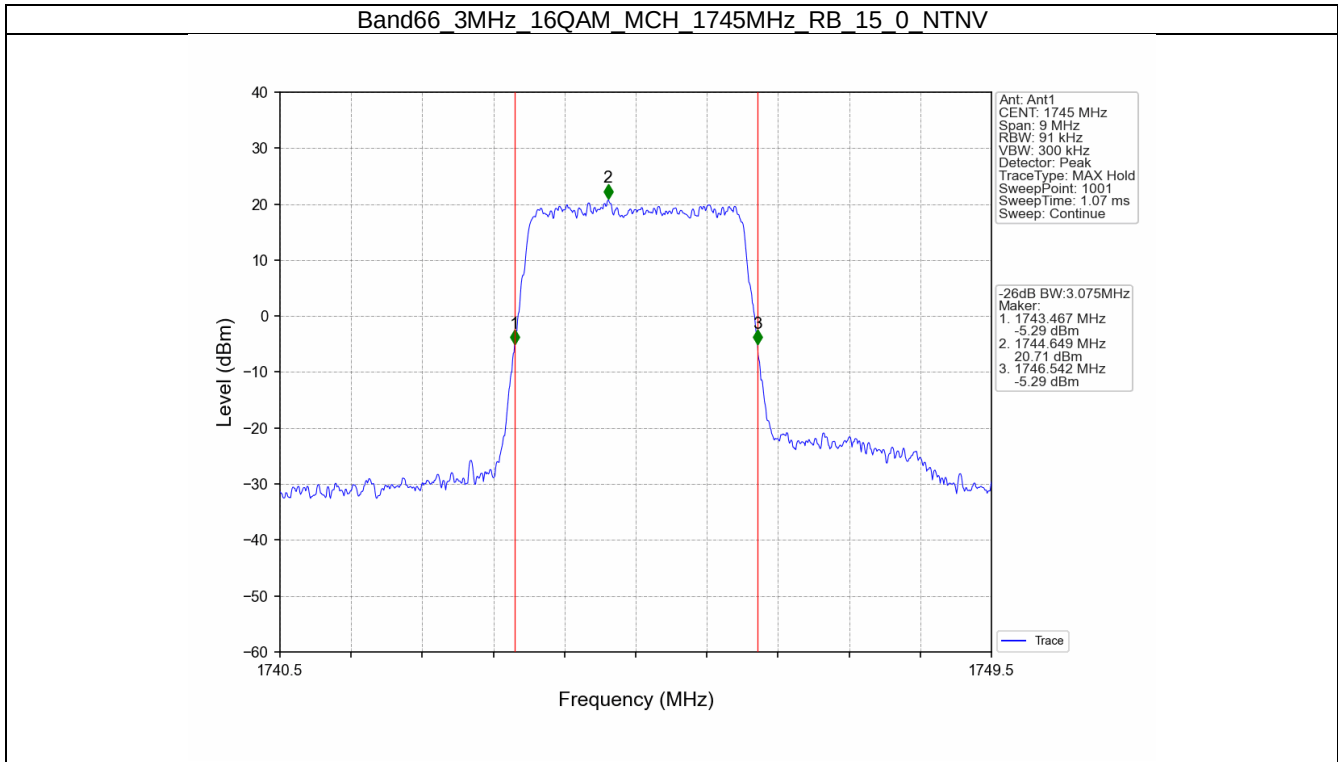


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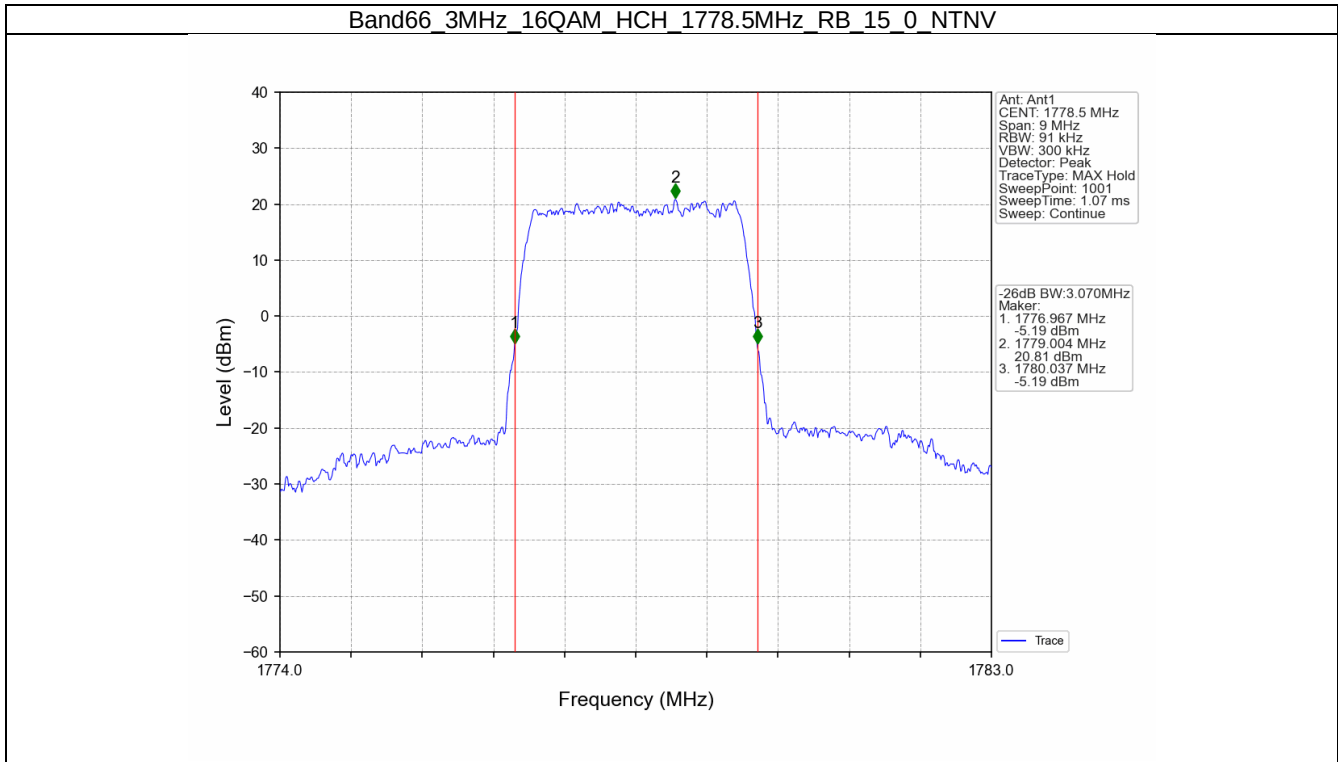


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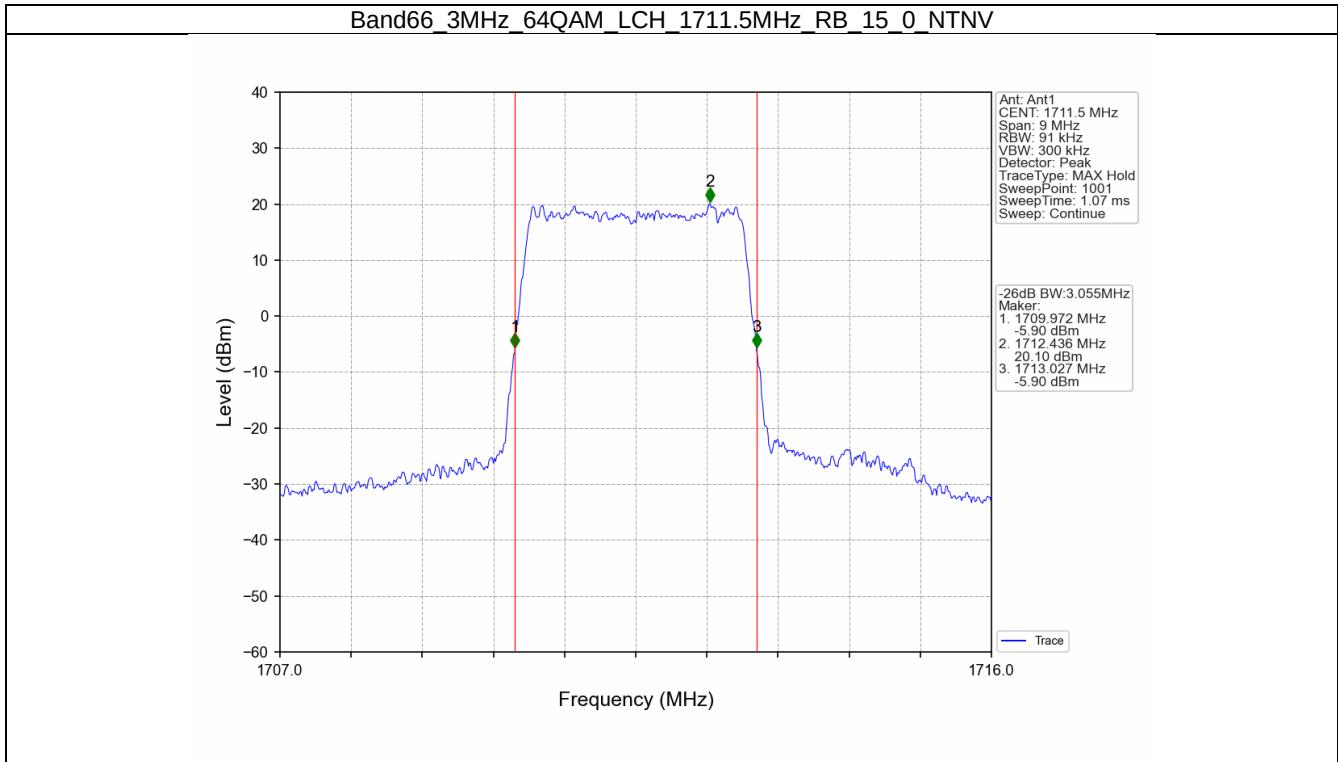


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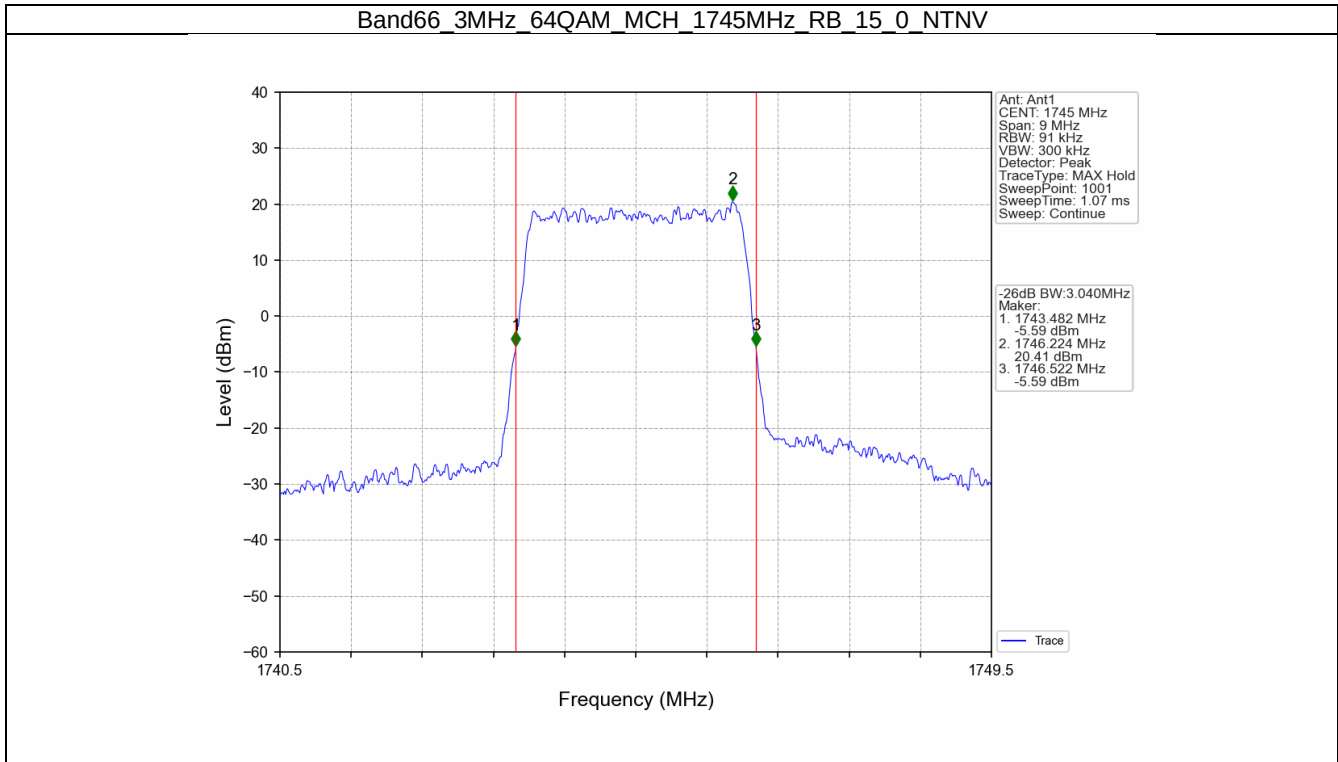


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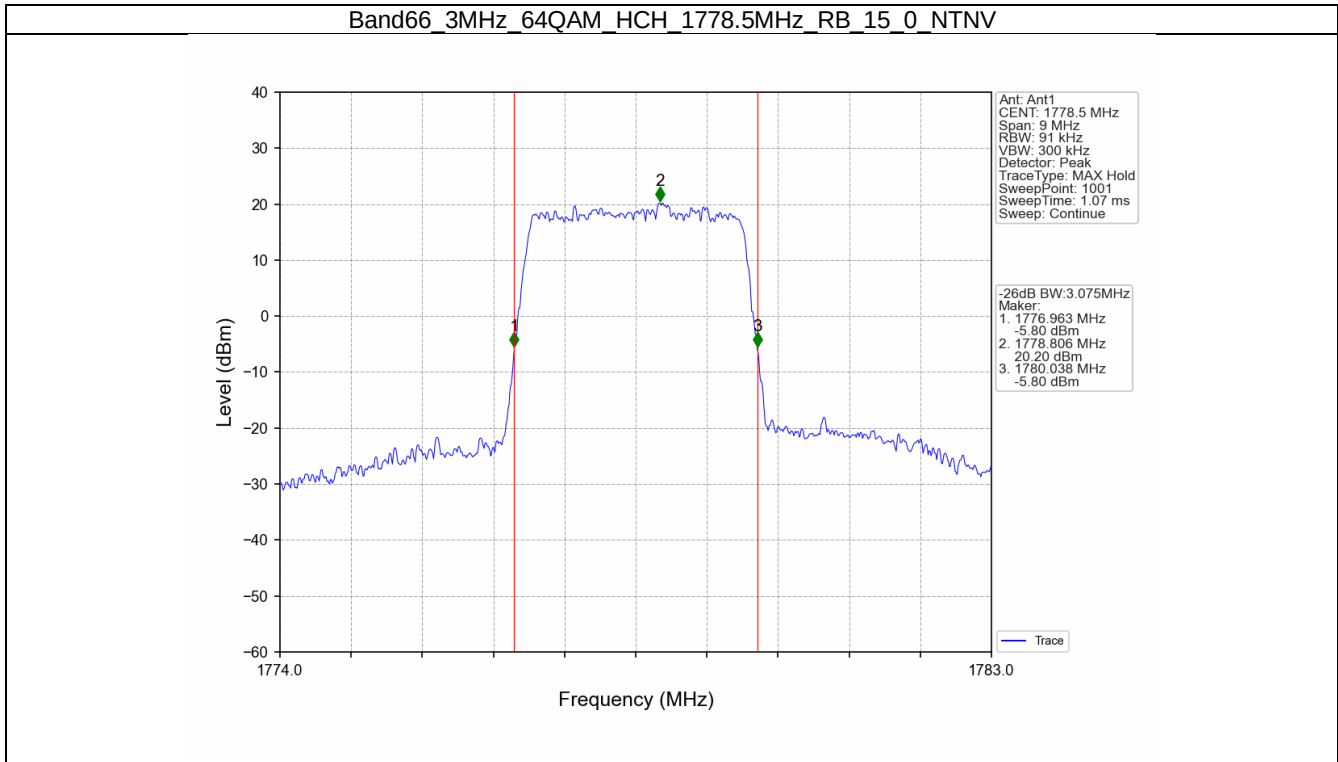


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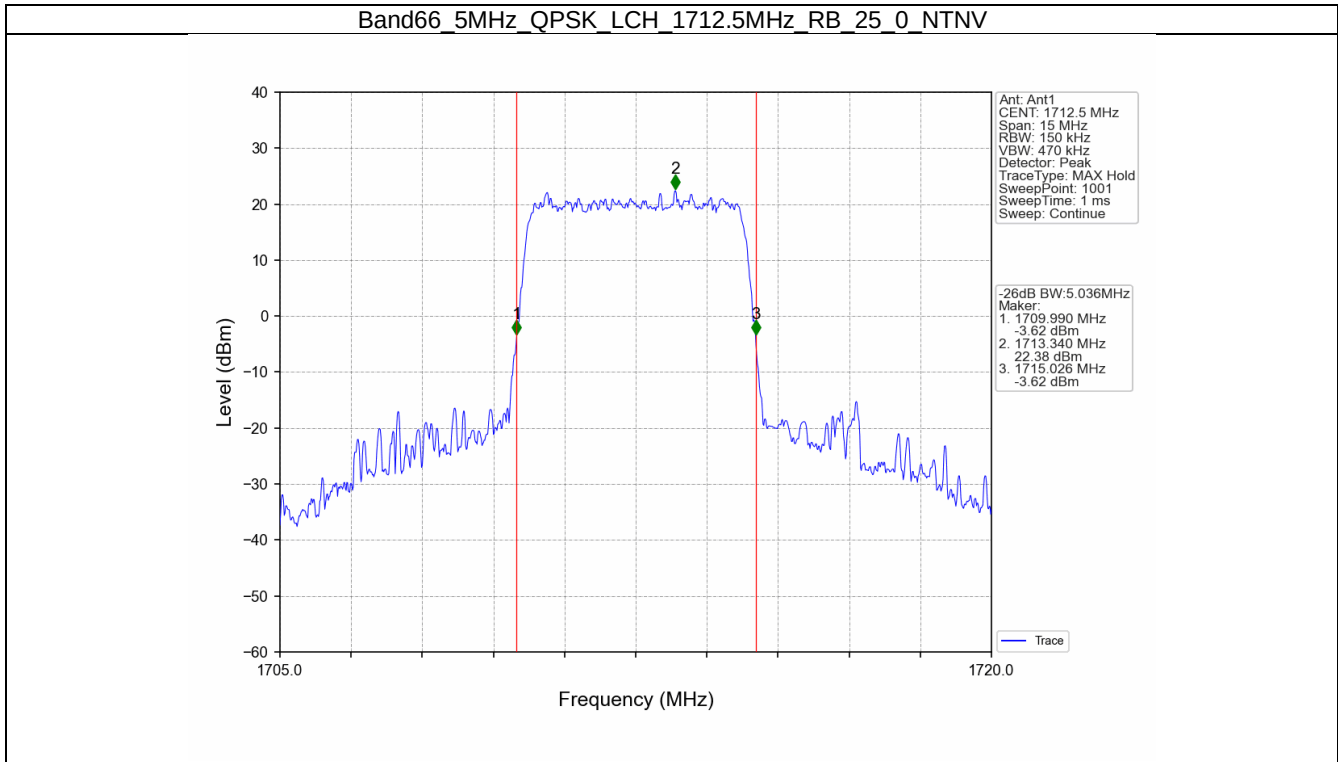


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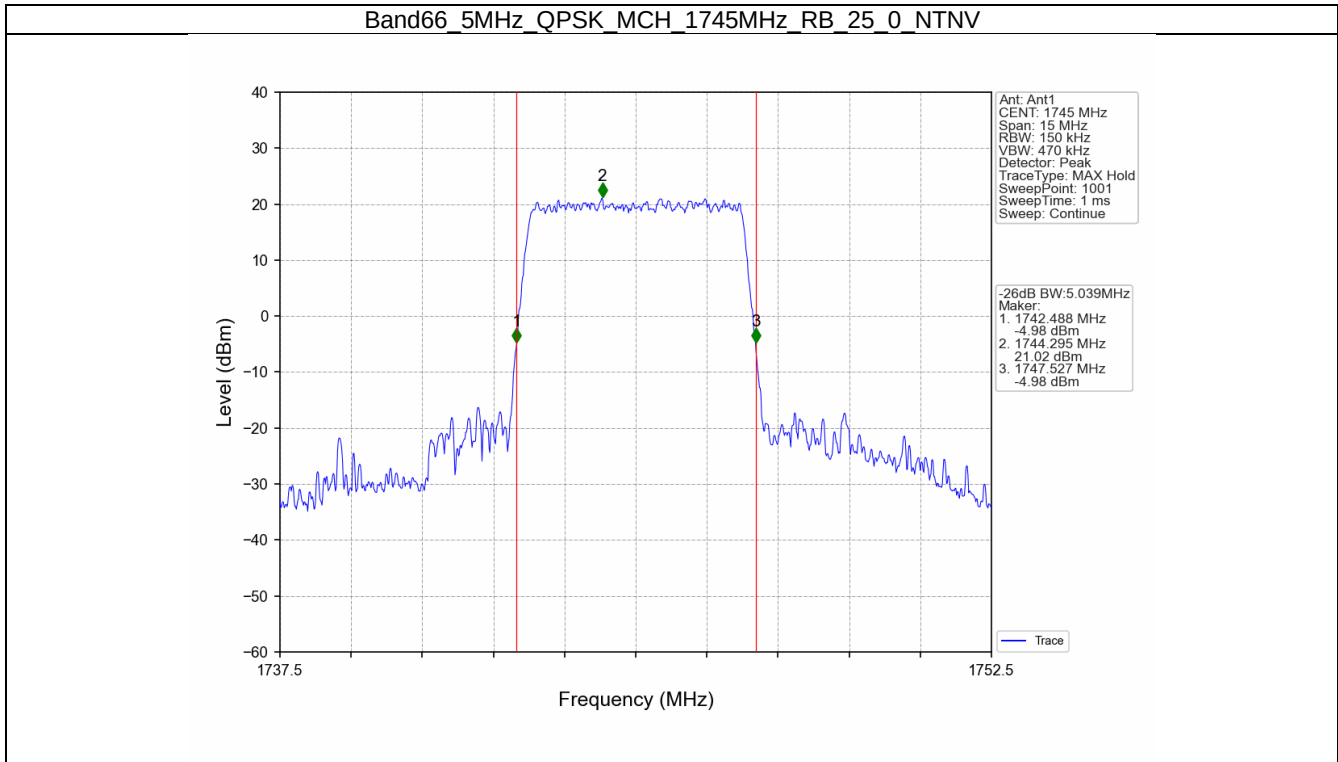


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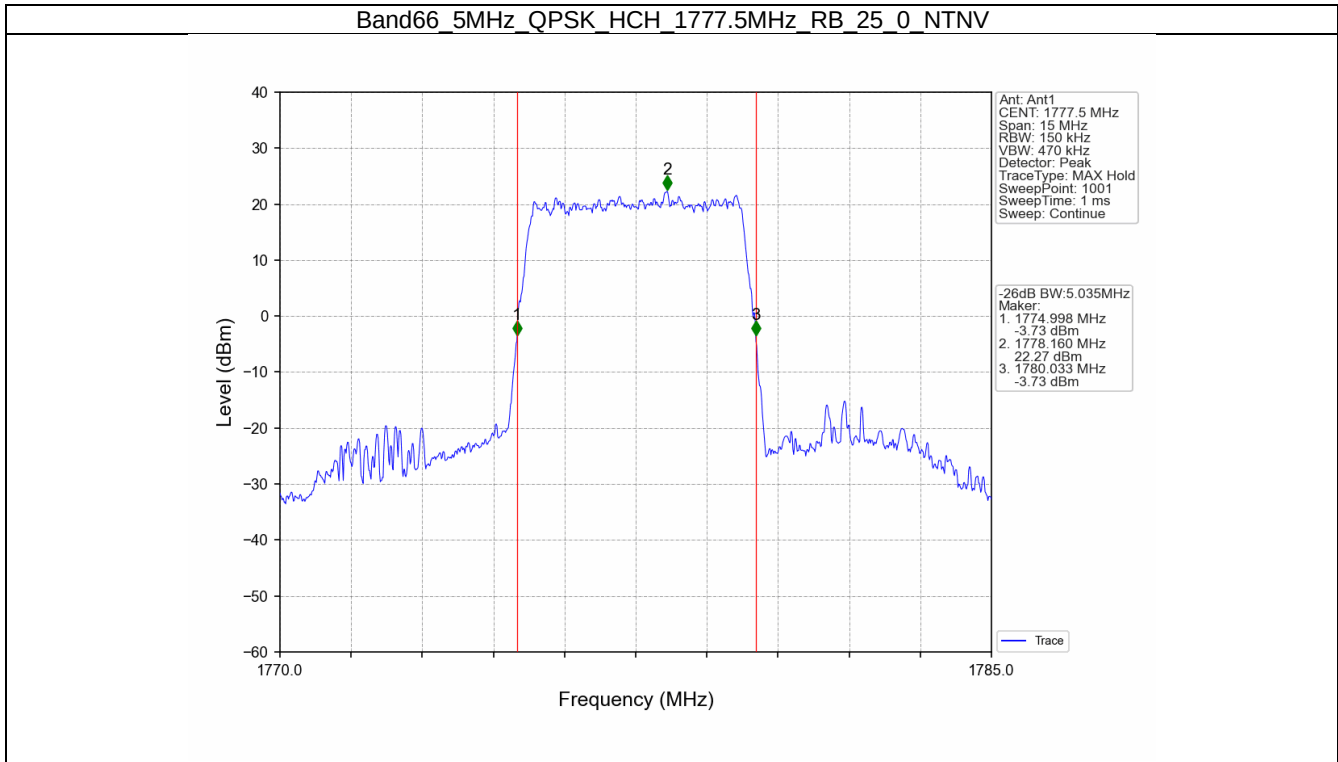


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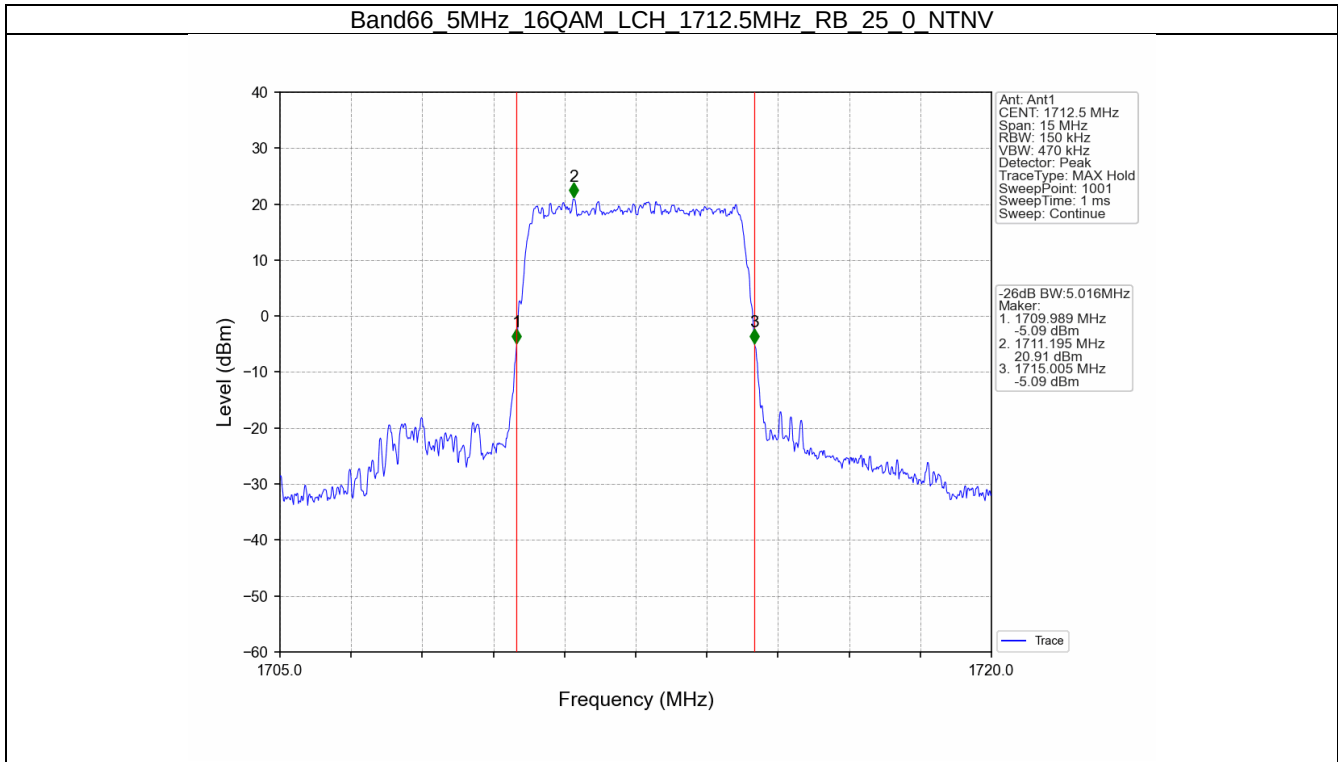


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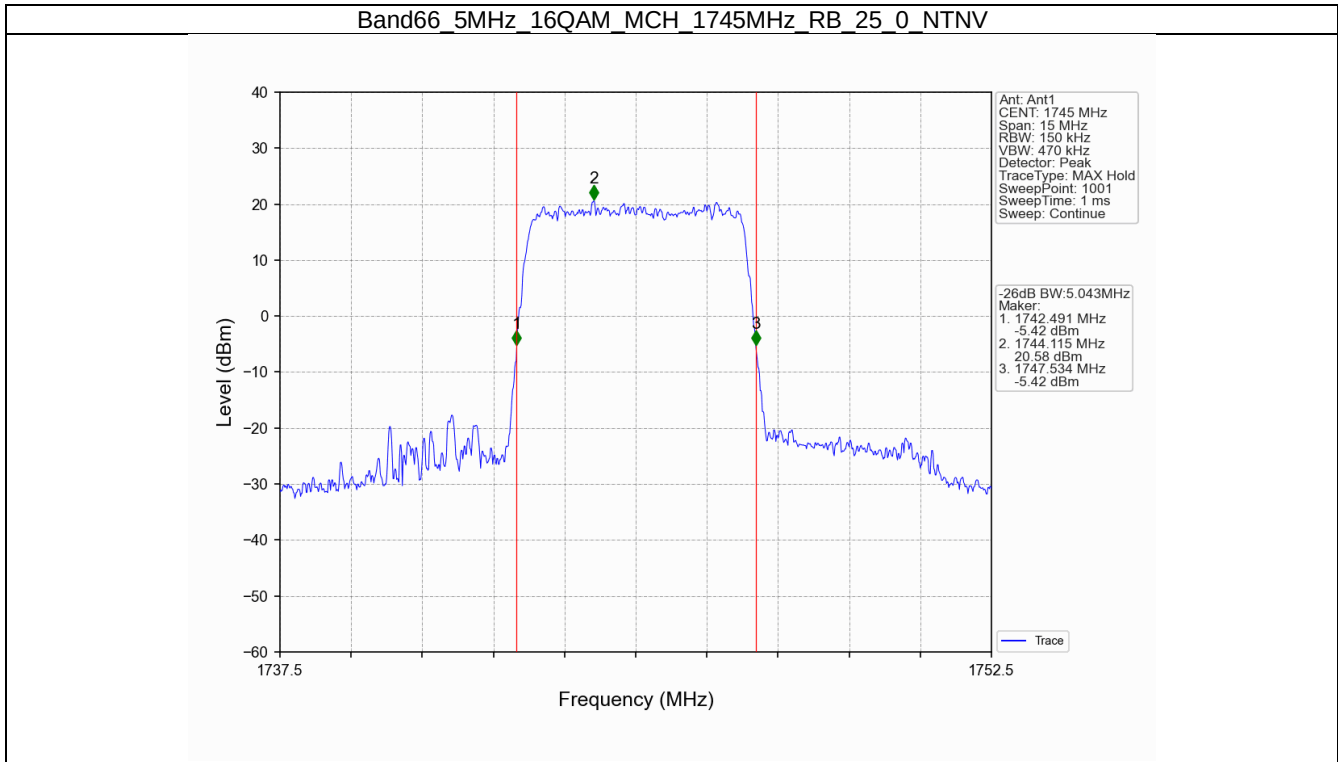


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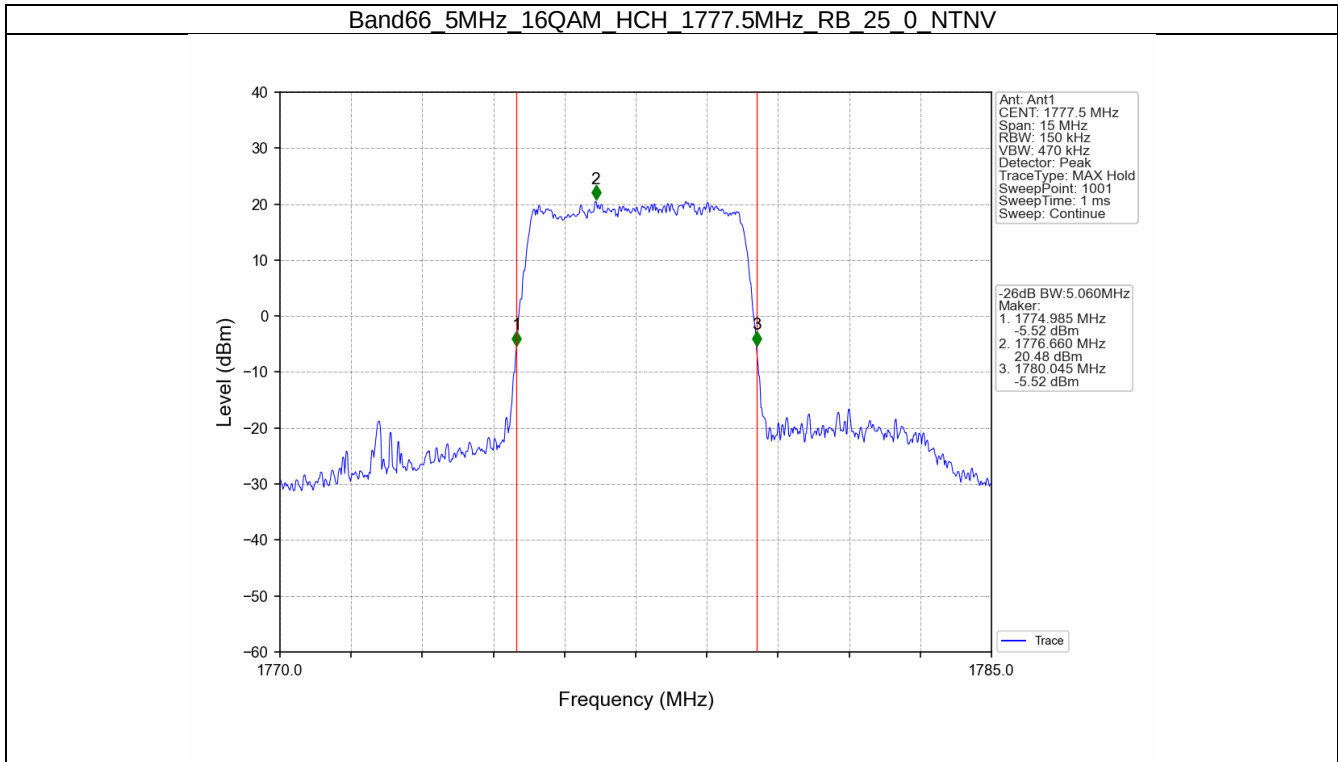


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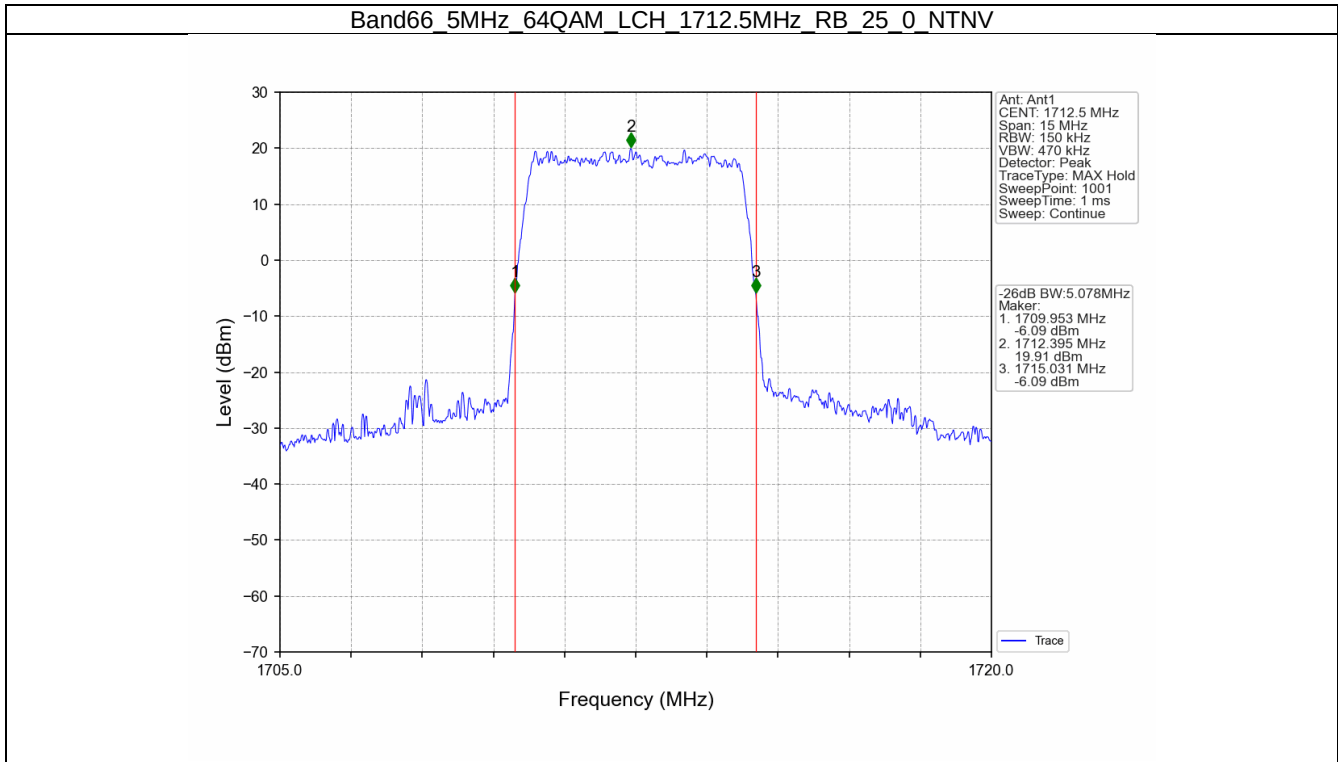


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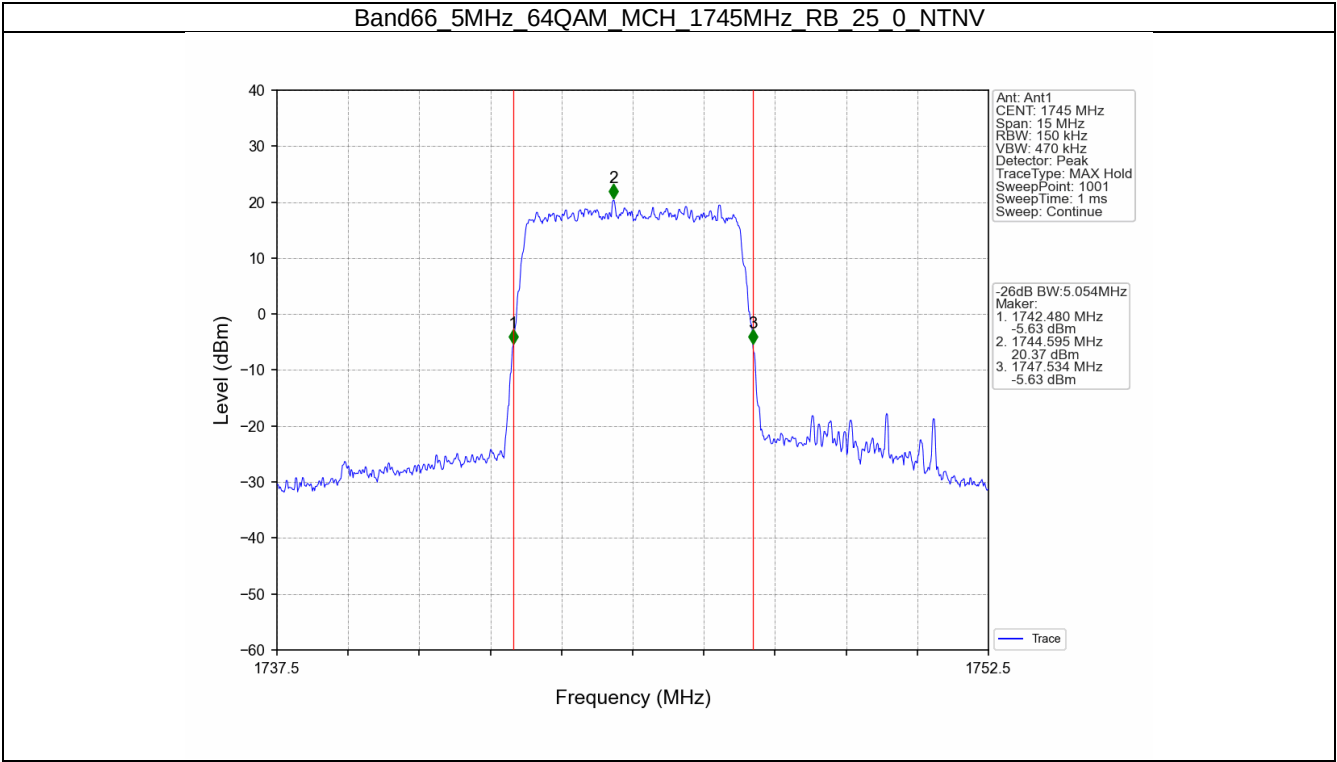


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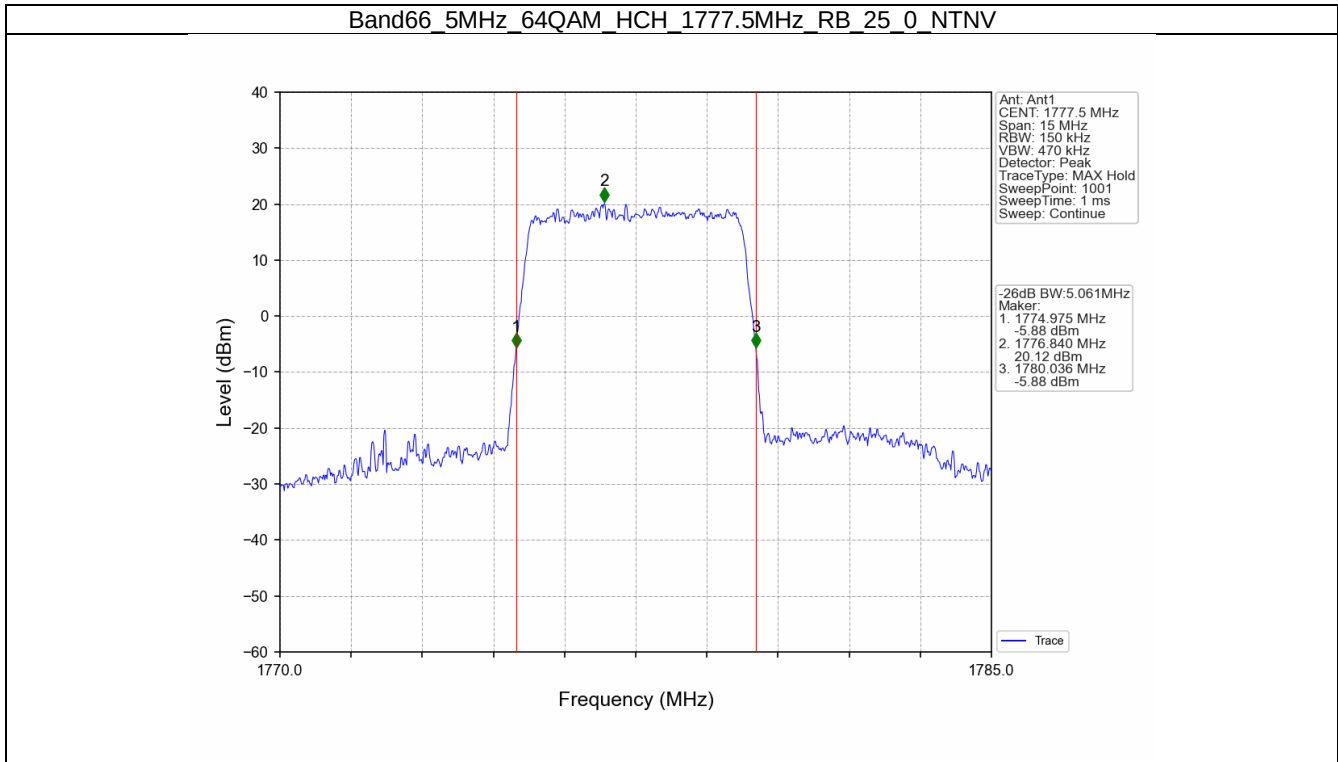


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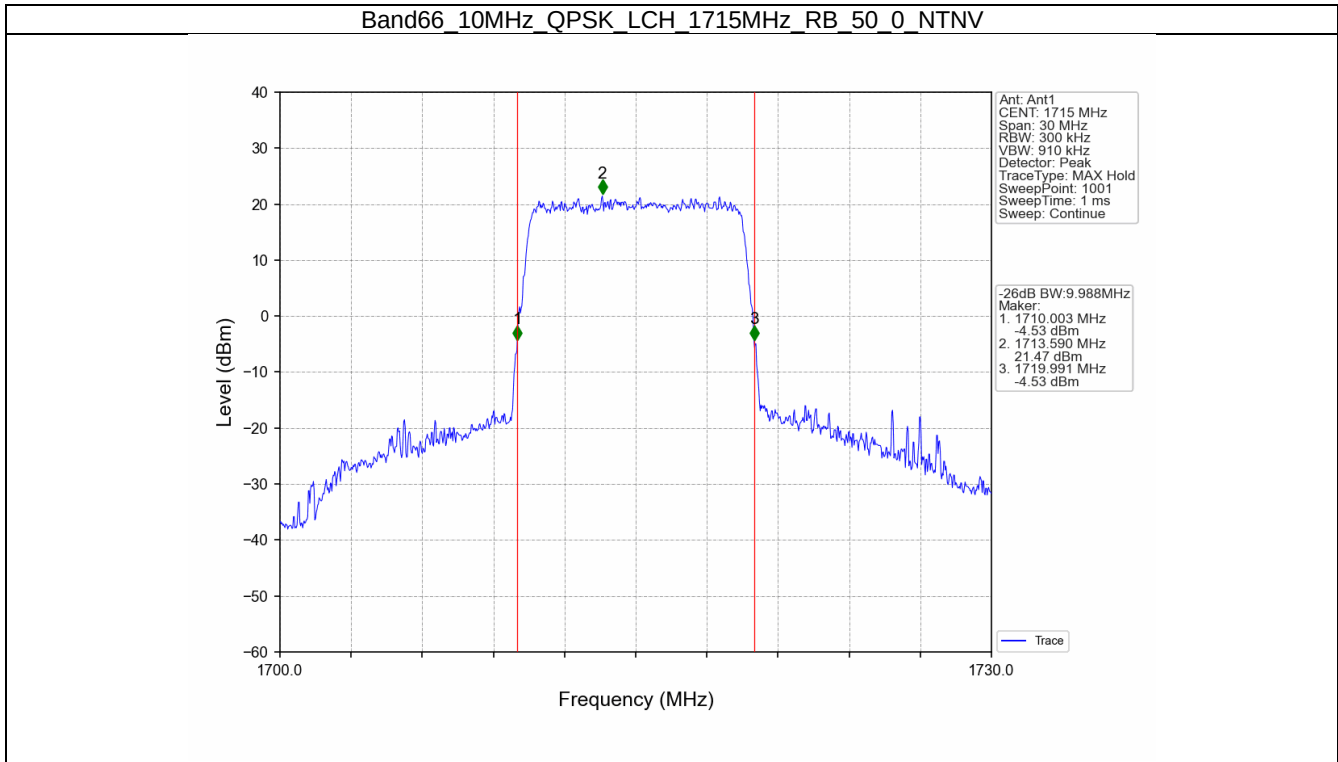


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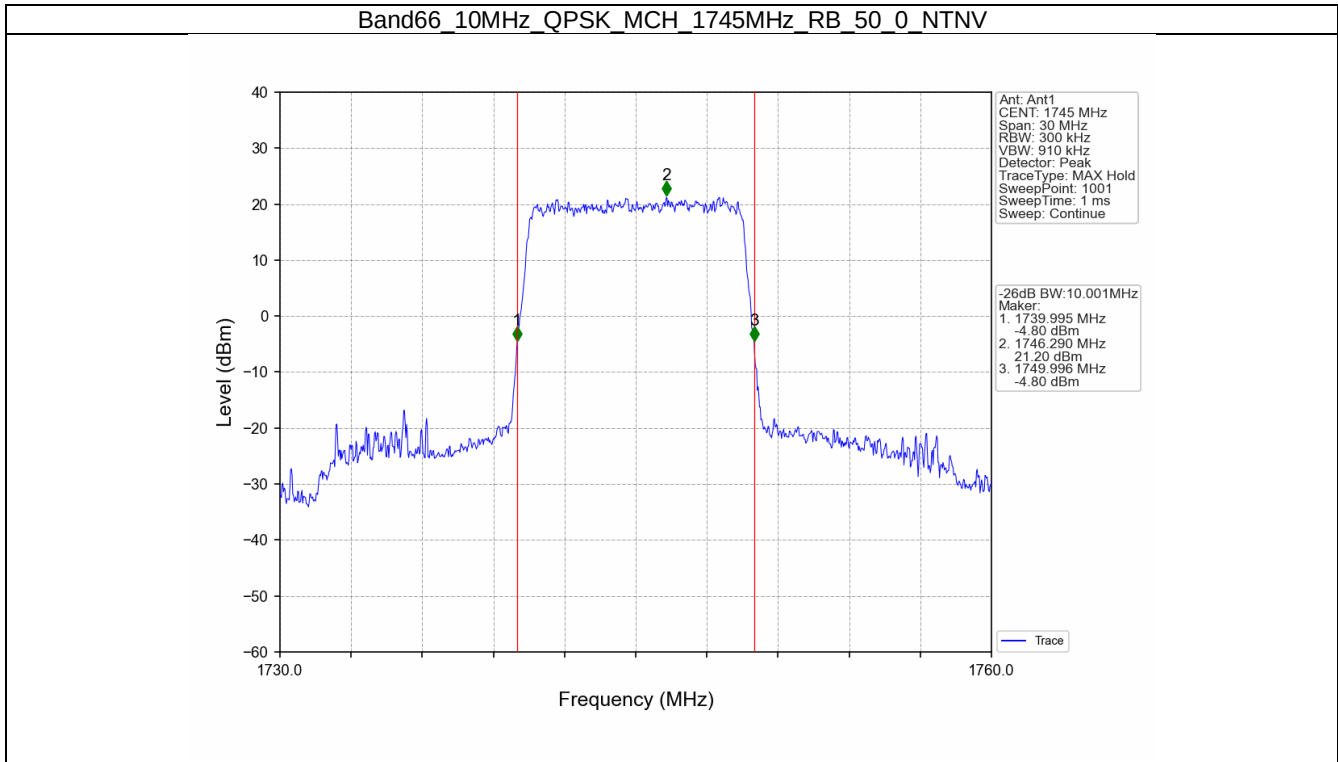


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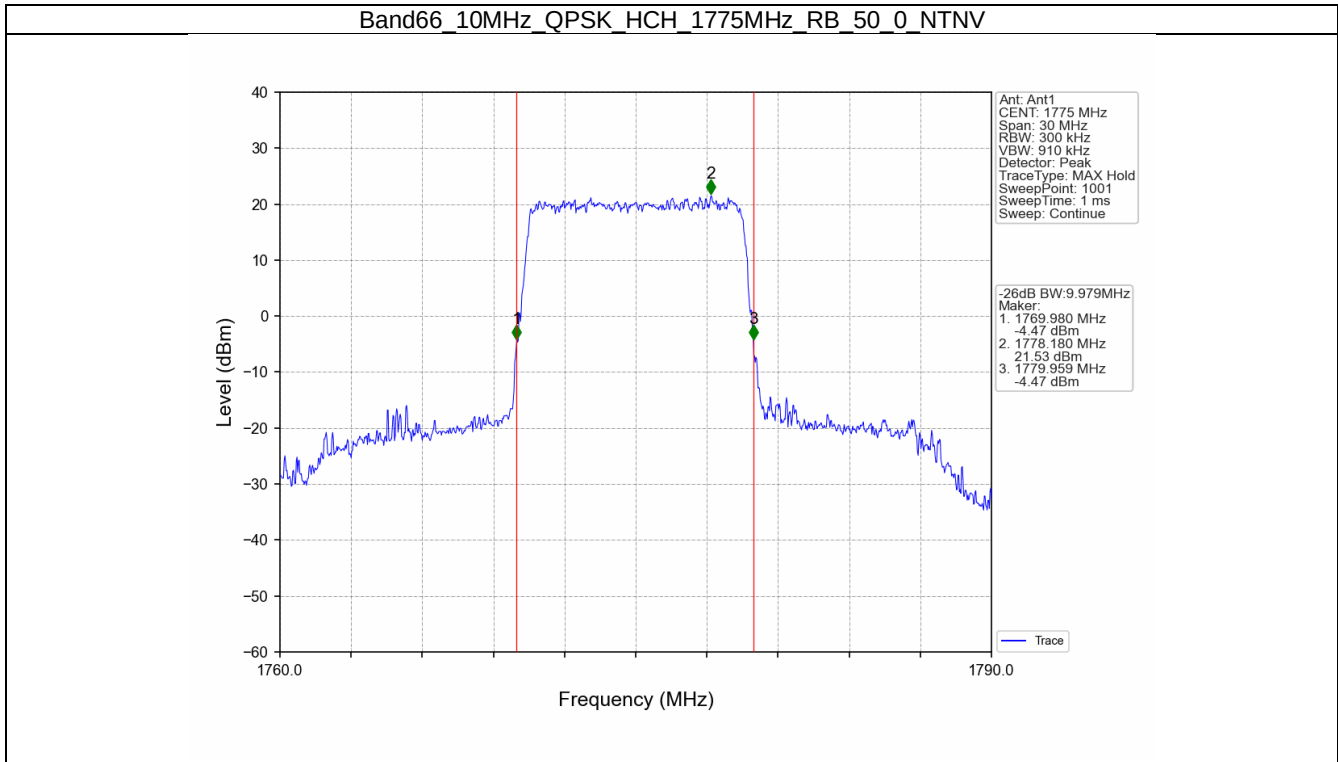


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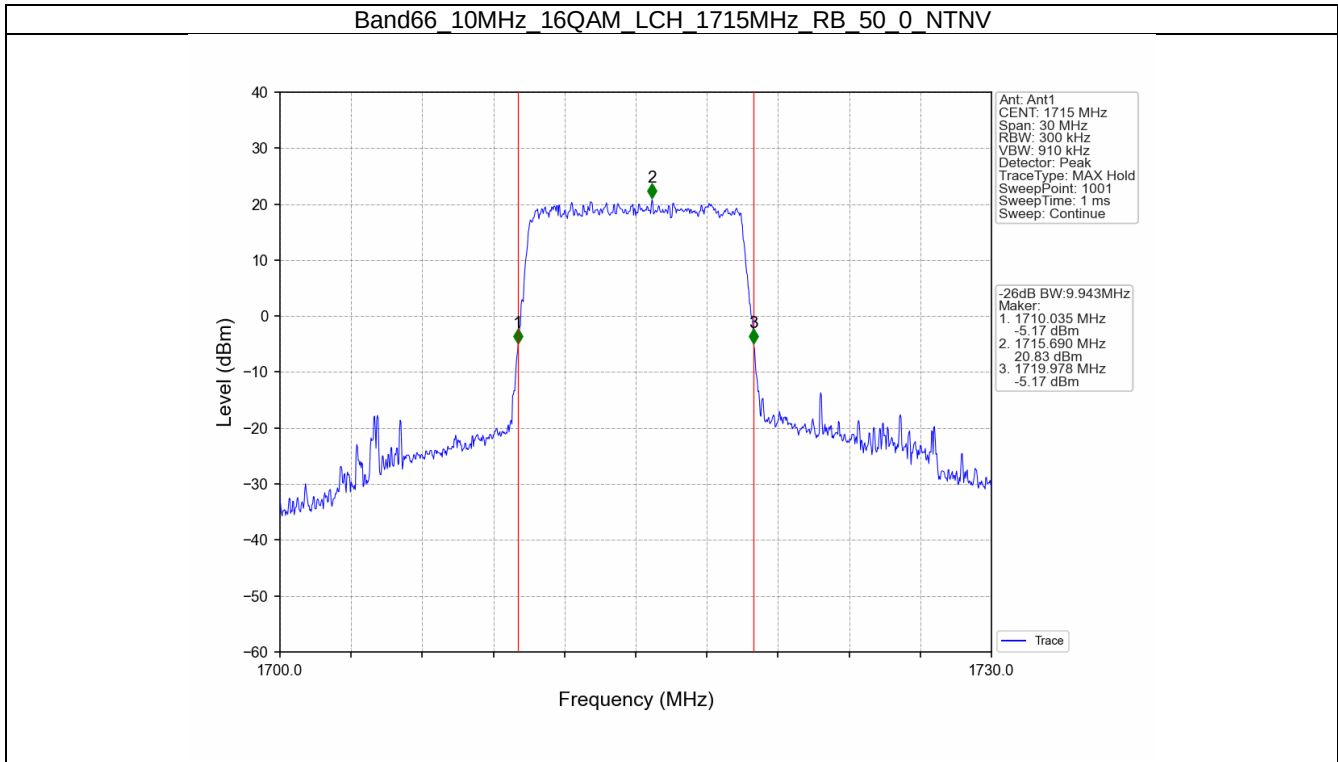


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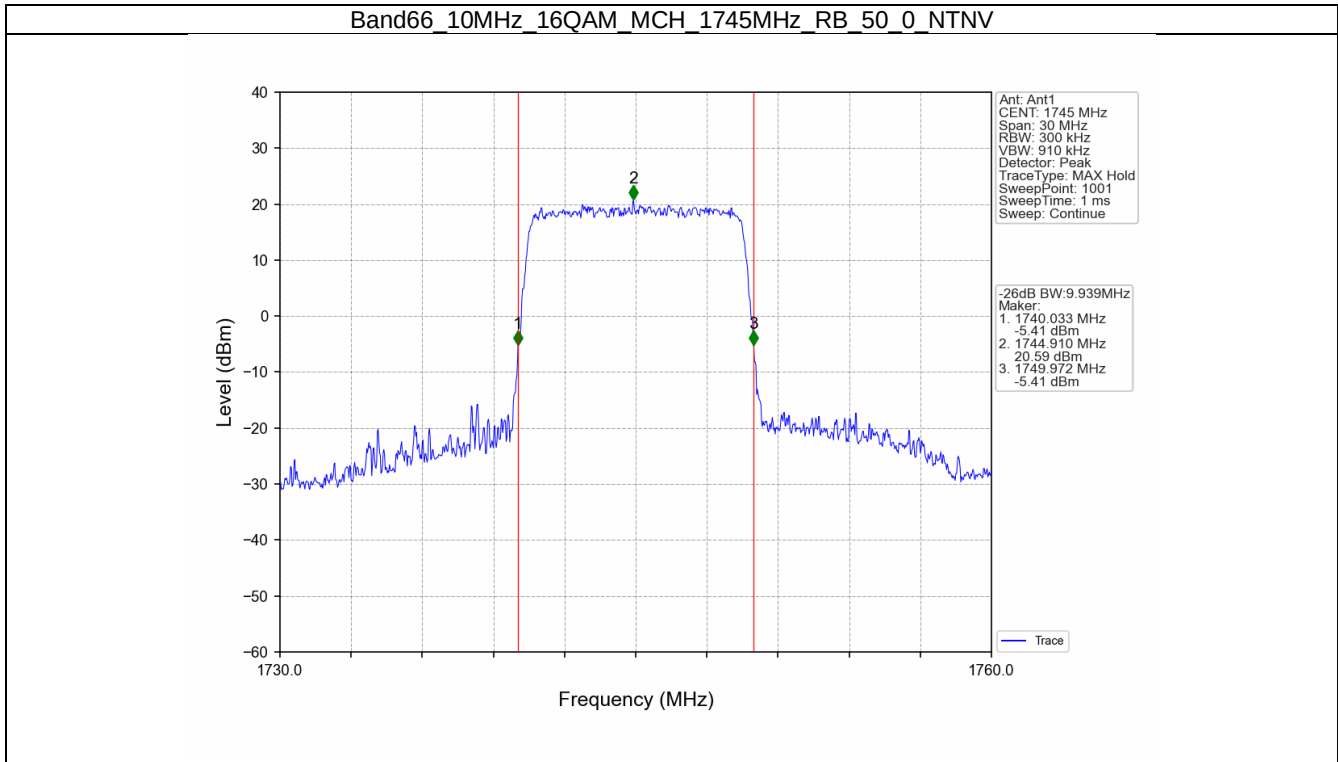


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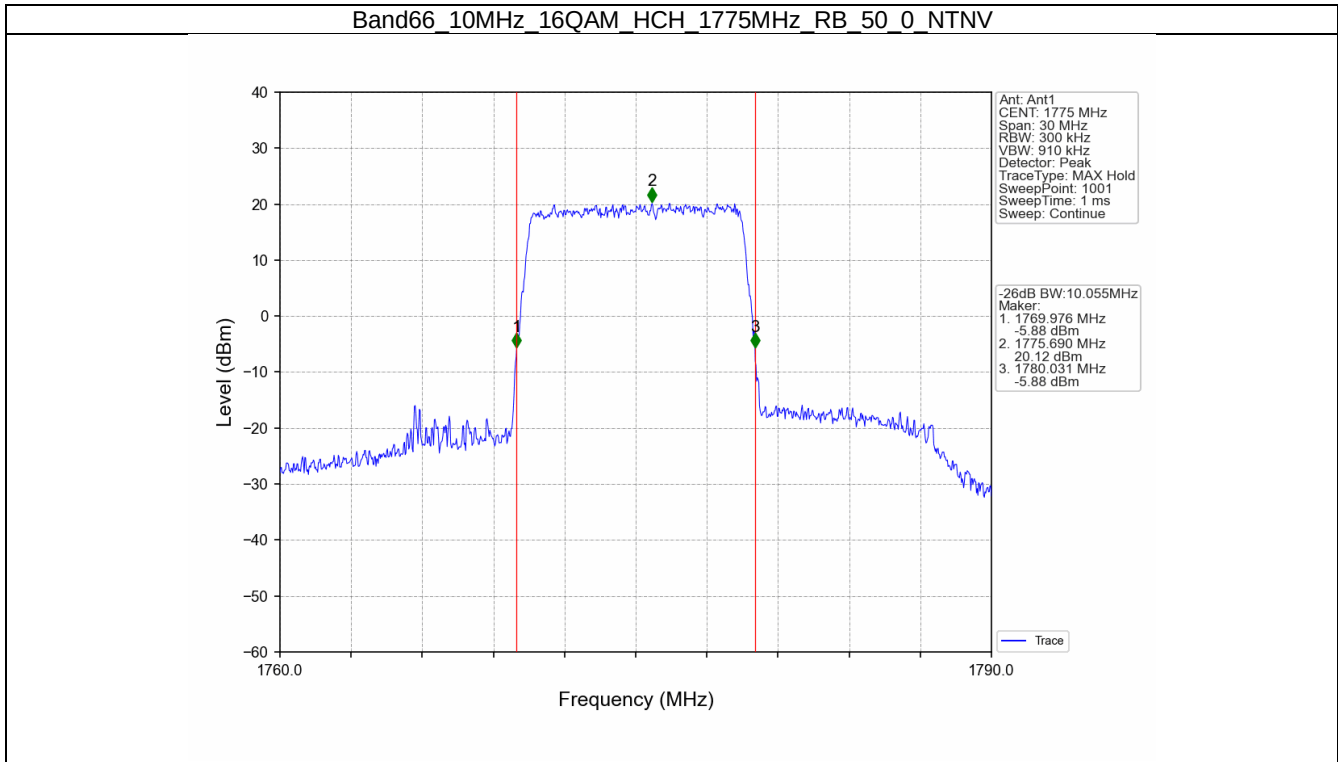


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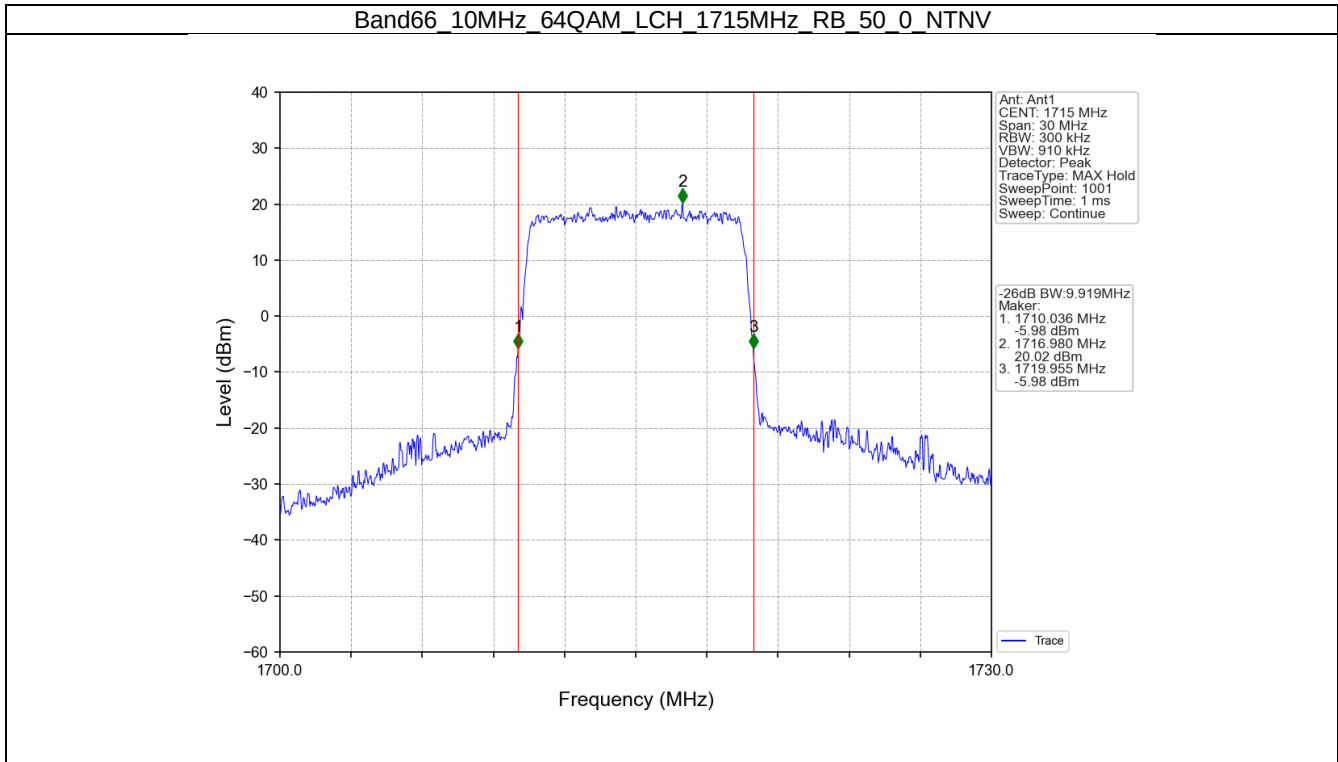


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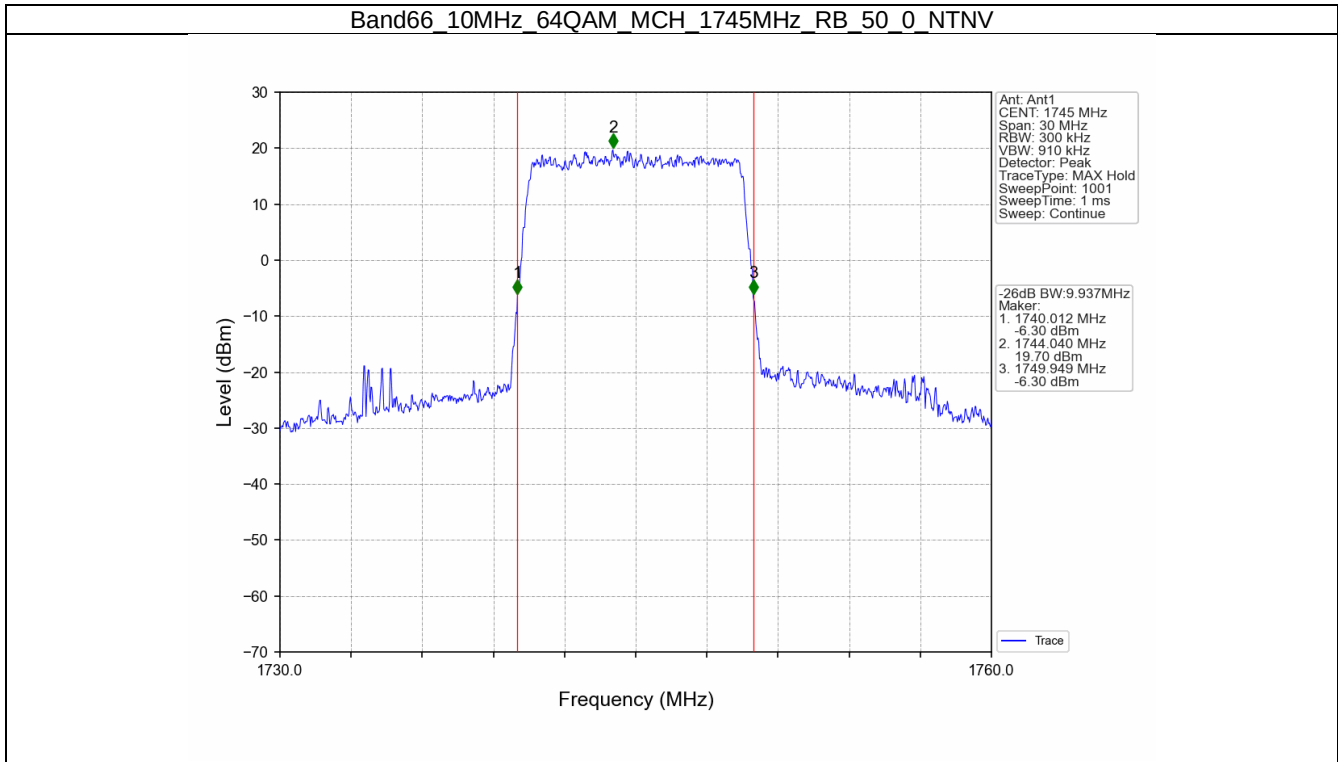


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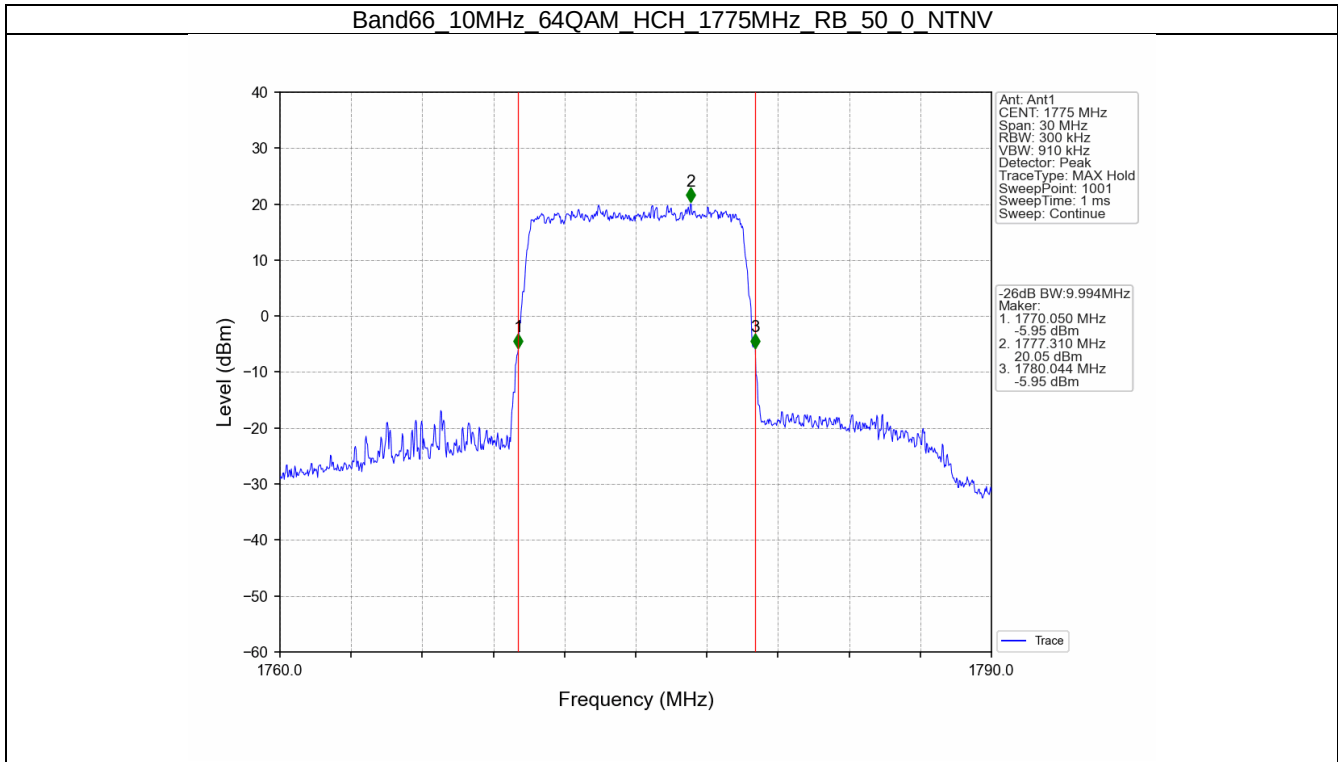


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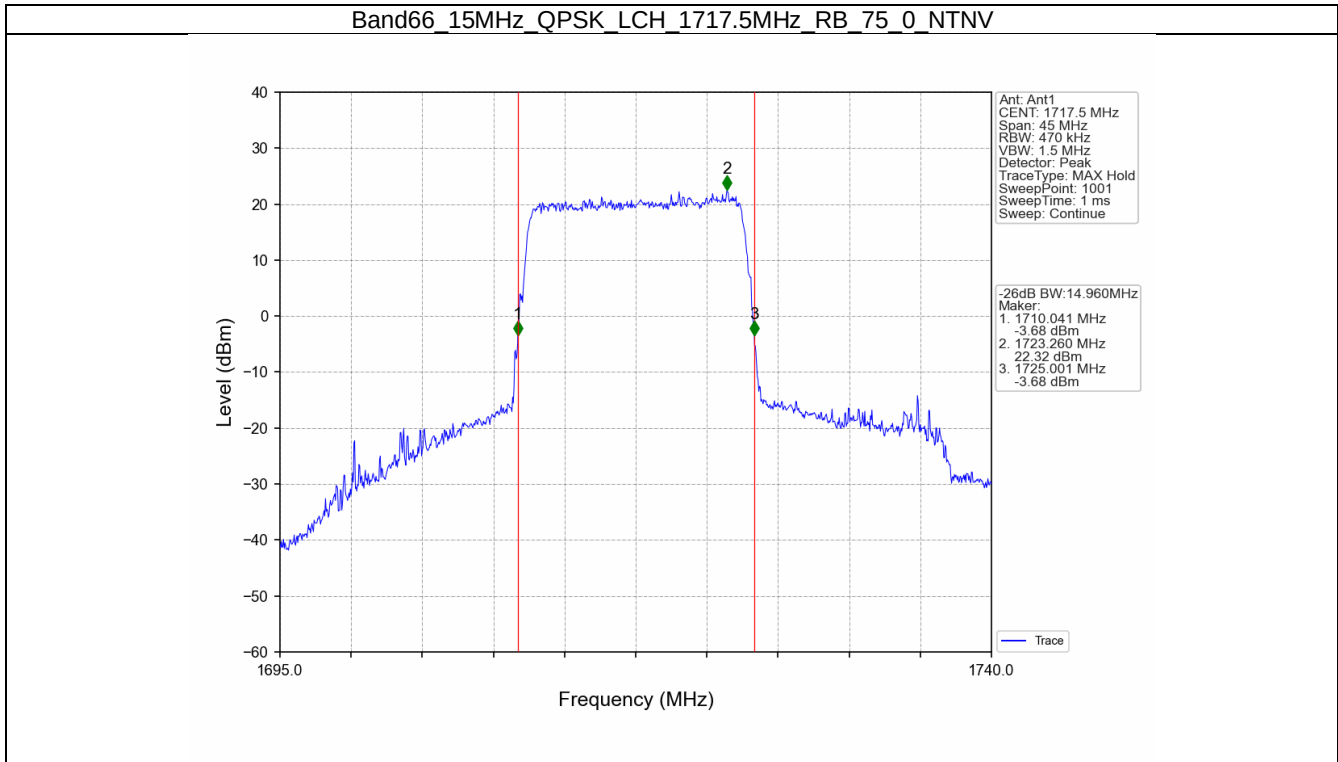


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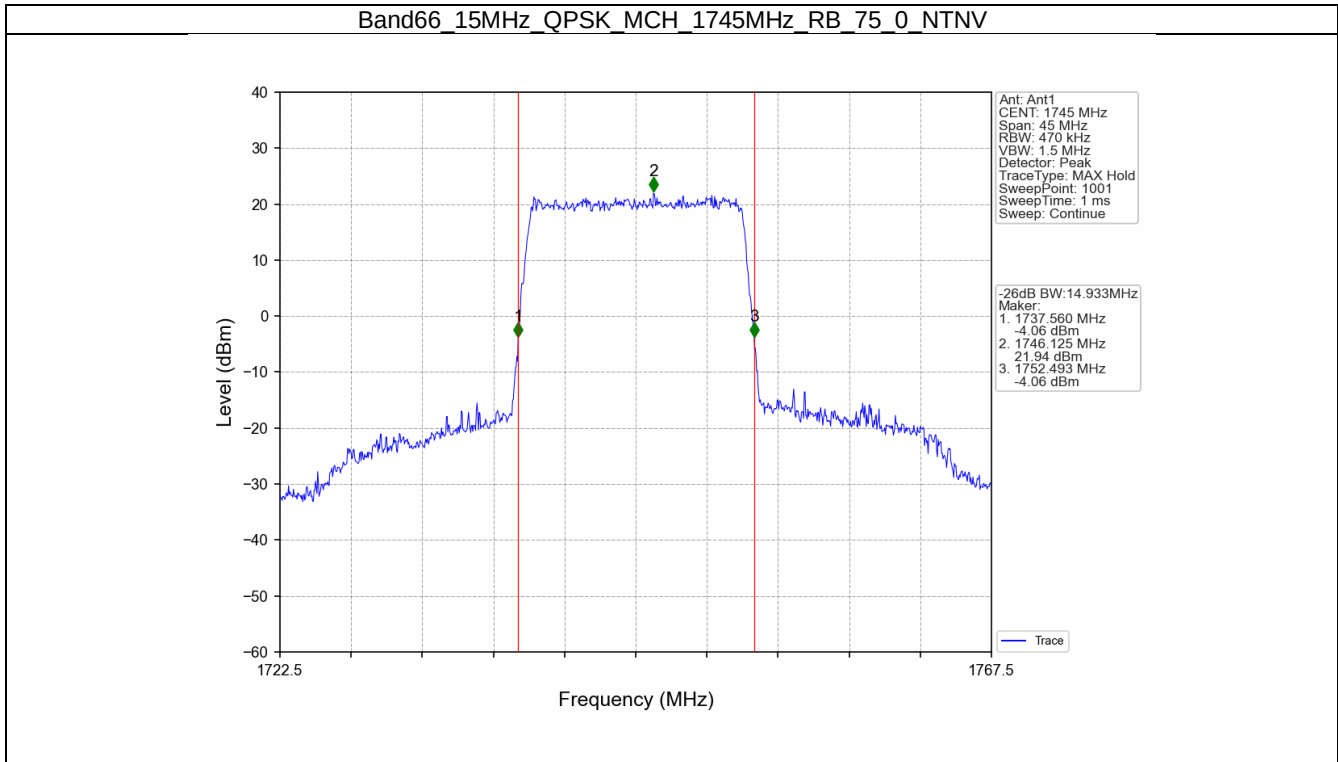


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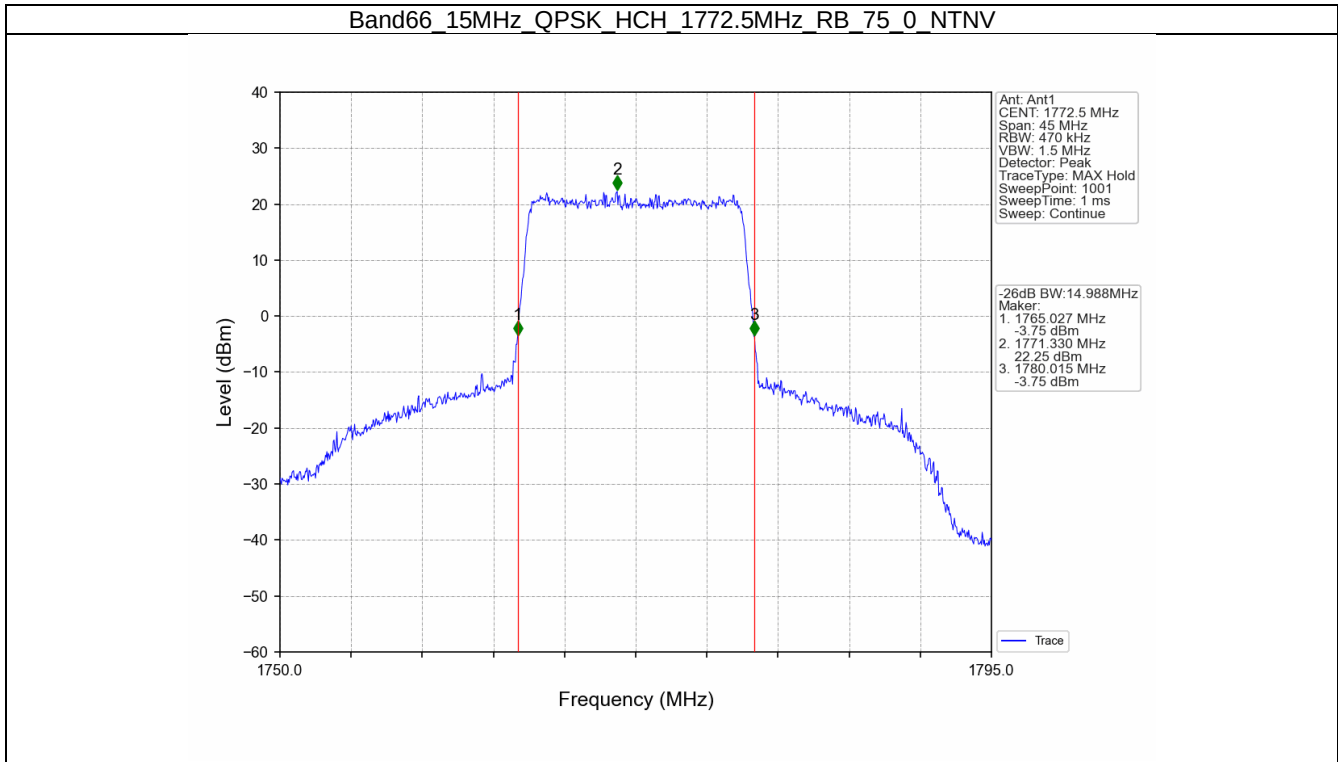


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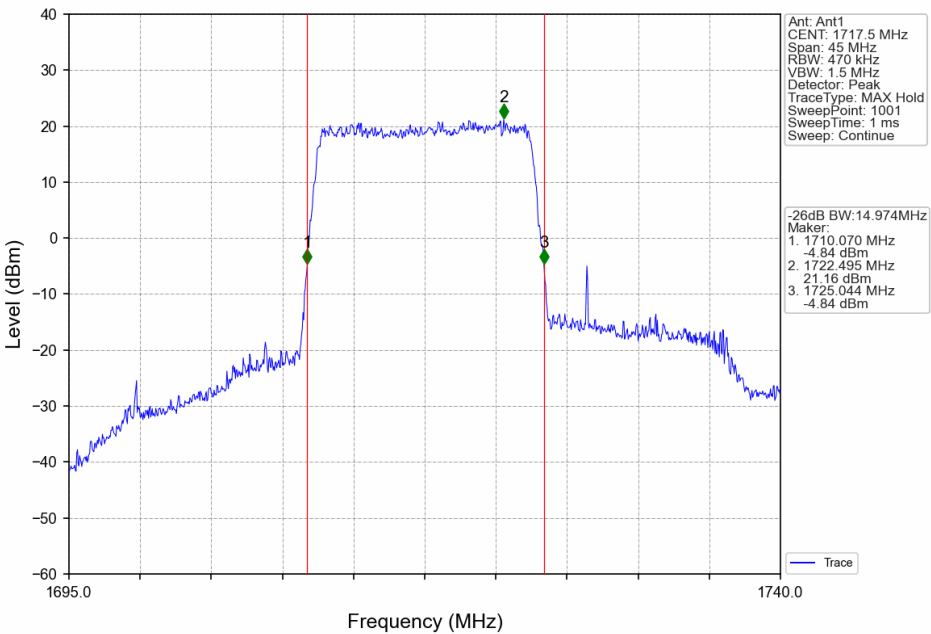
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Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



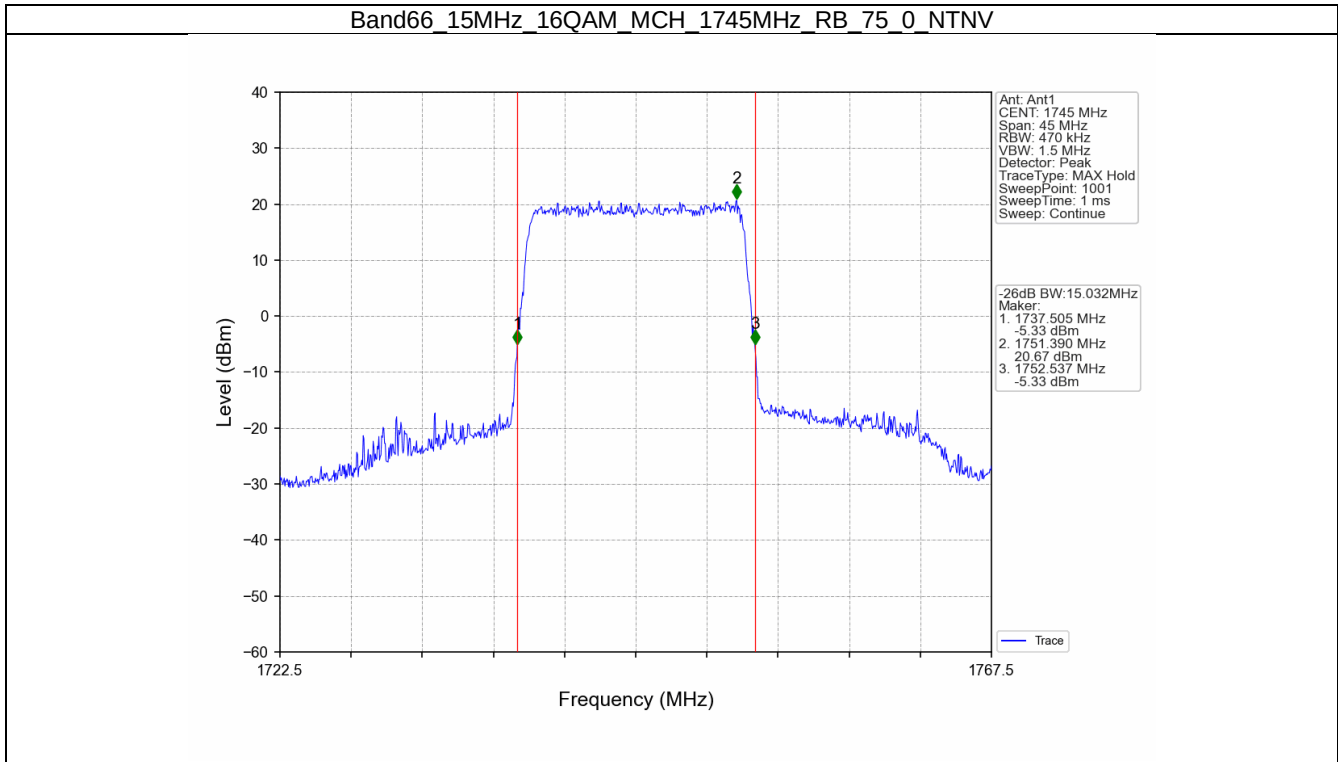


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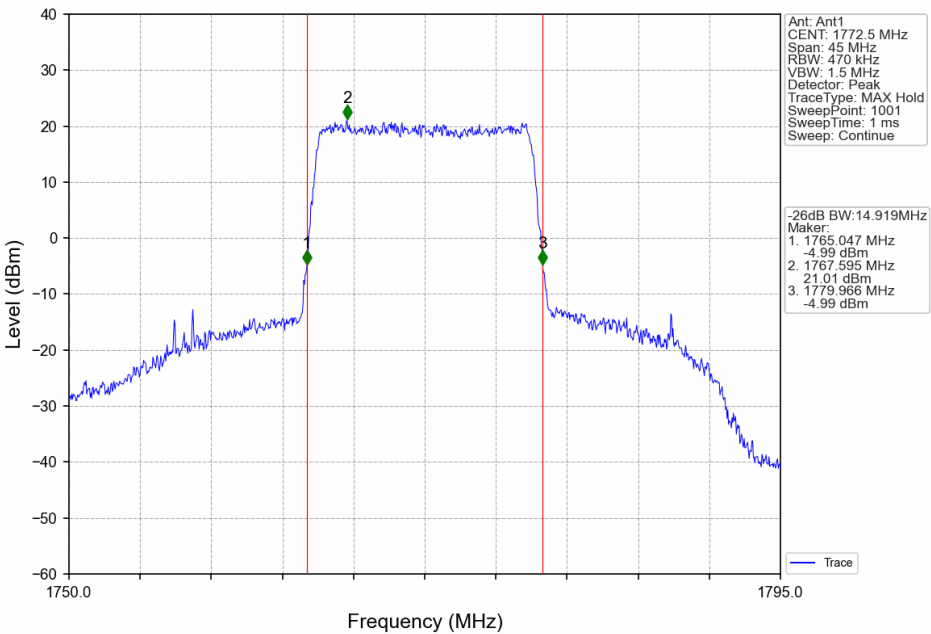
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Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV





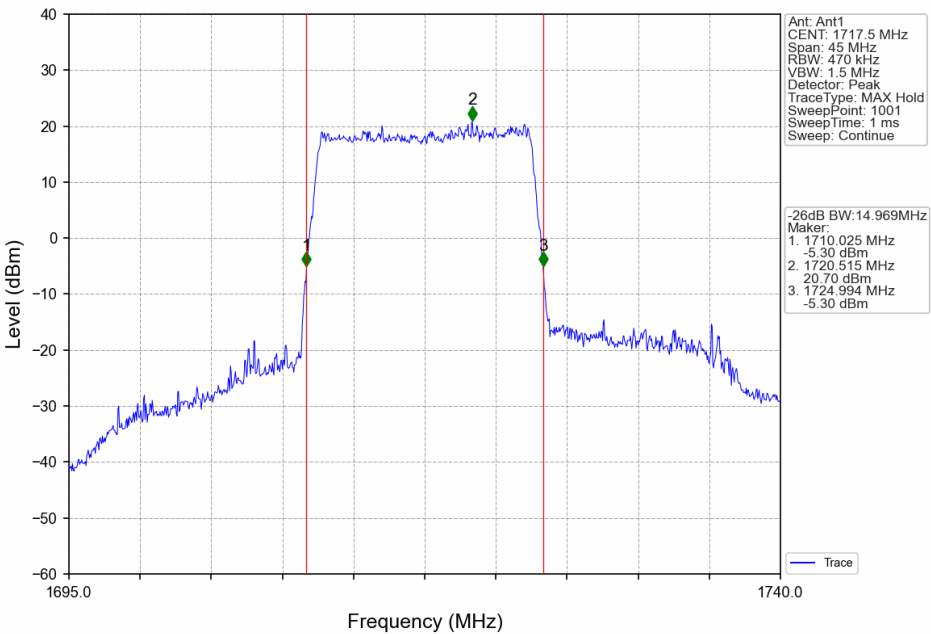
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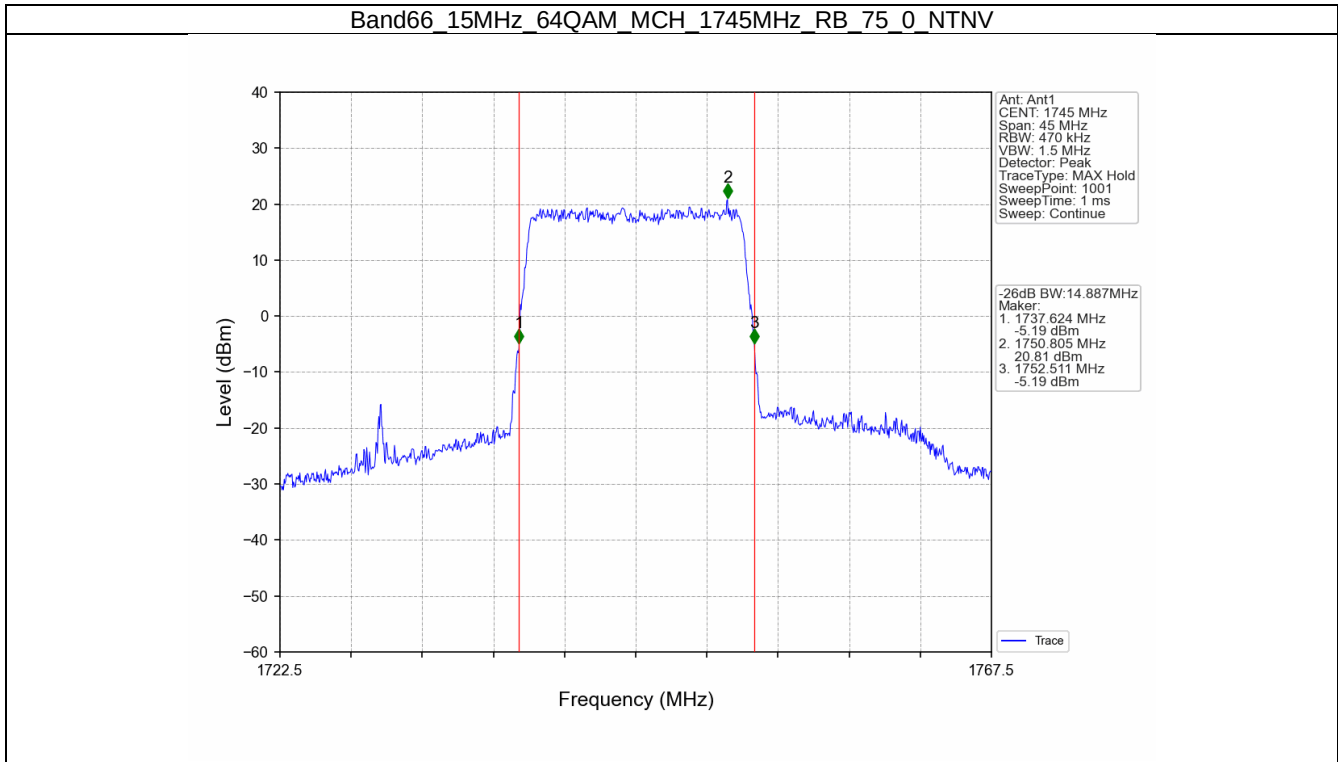


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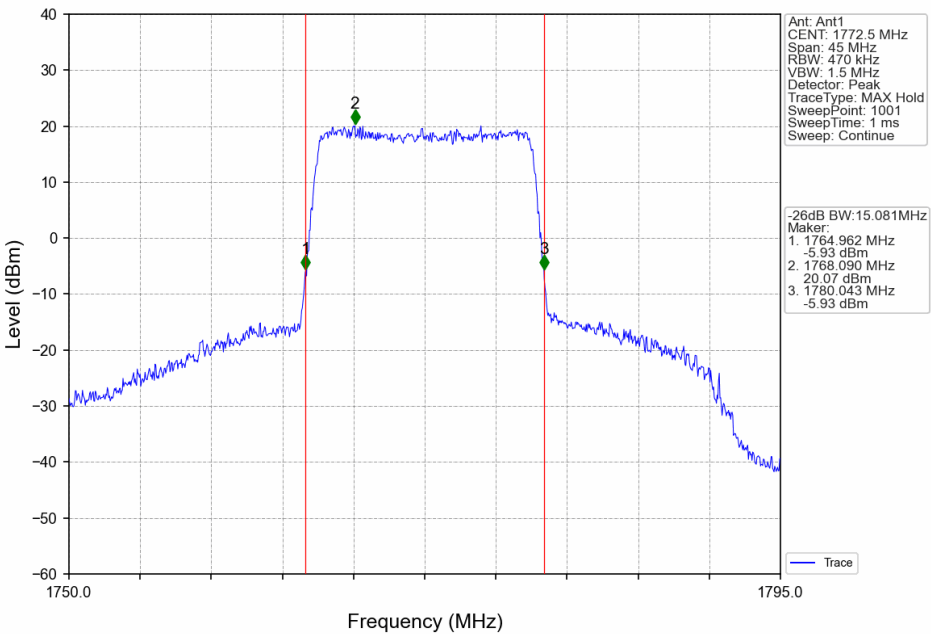
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Band66_15MHz_64QAM_HCH_1772.5MHz_RB_75_0_NTNV



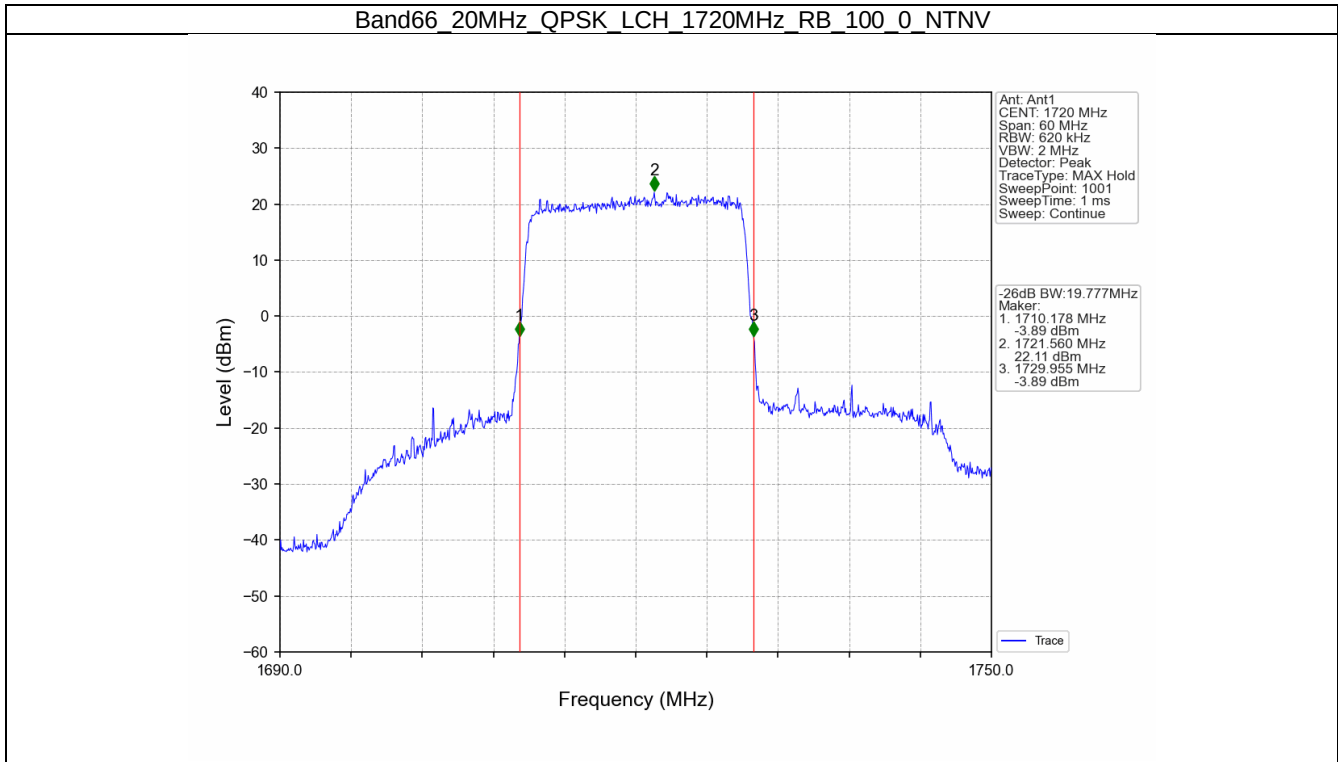


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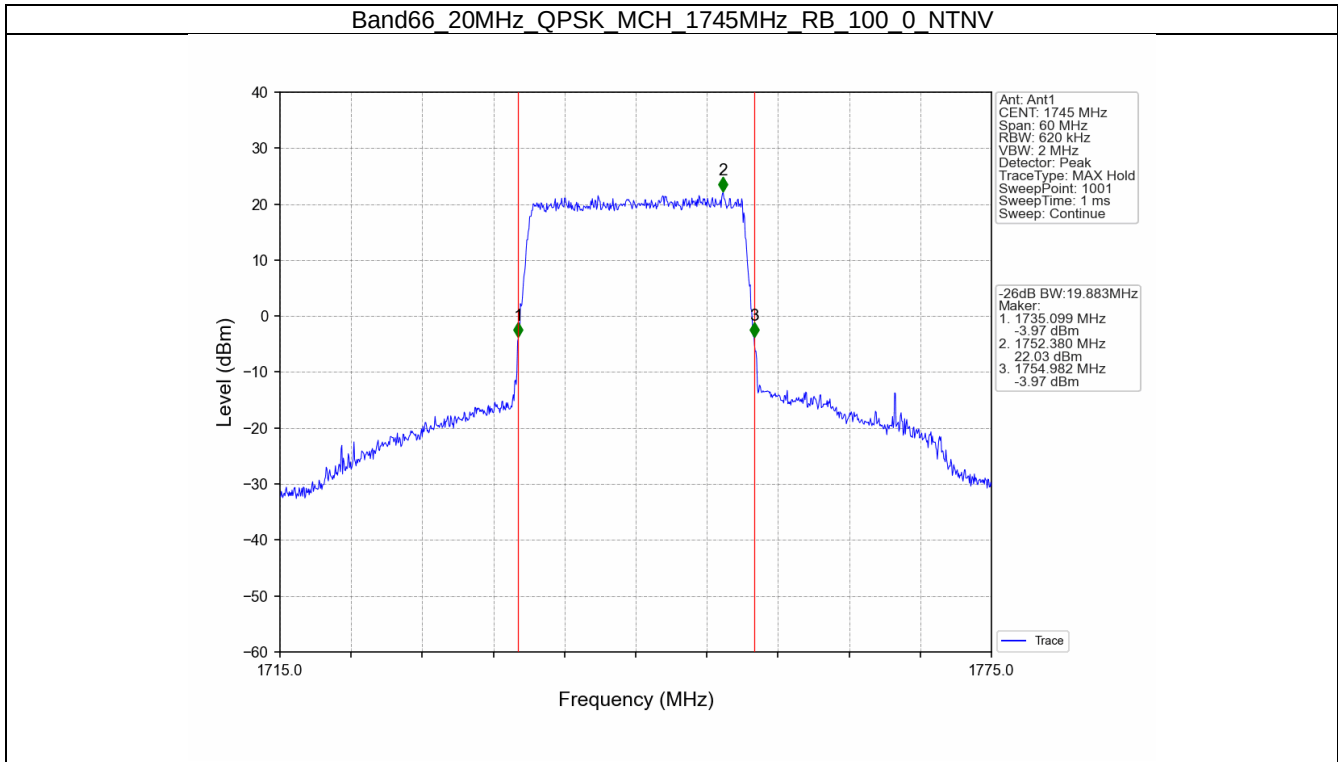


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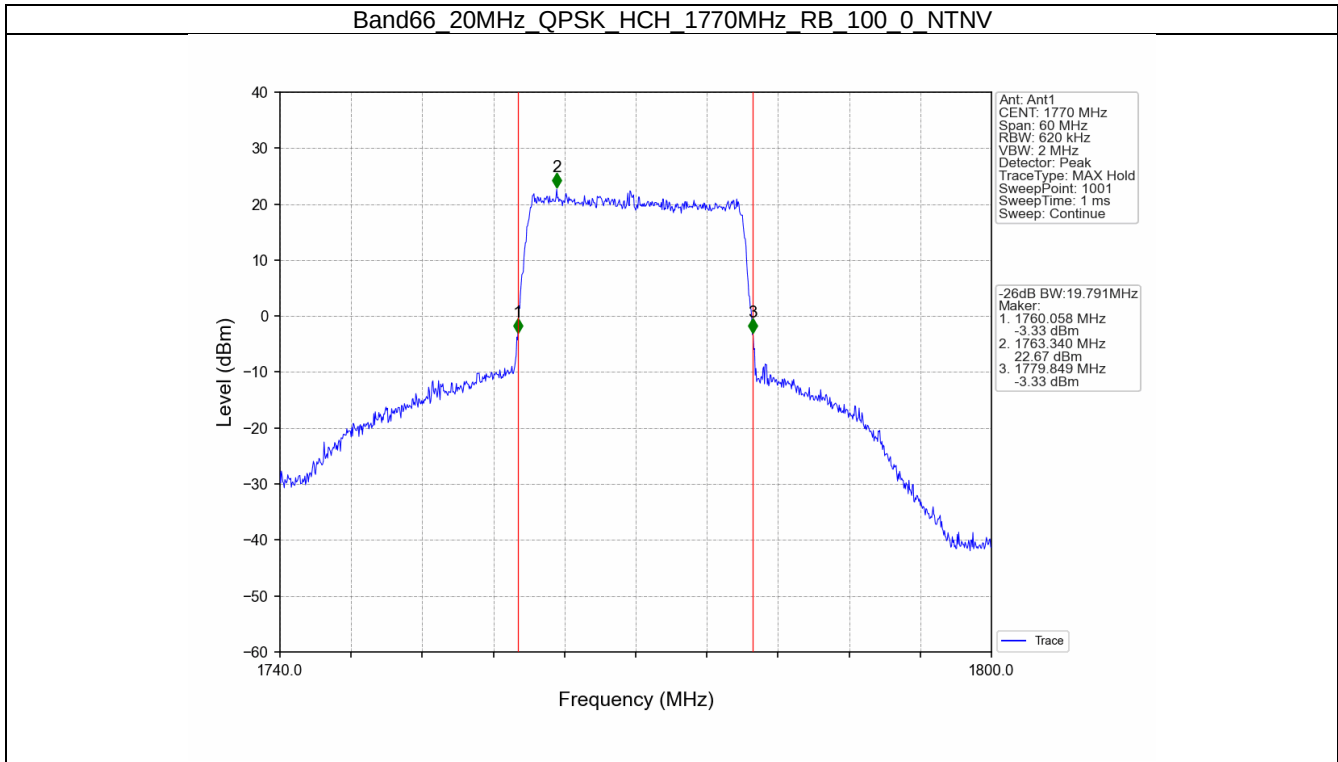


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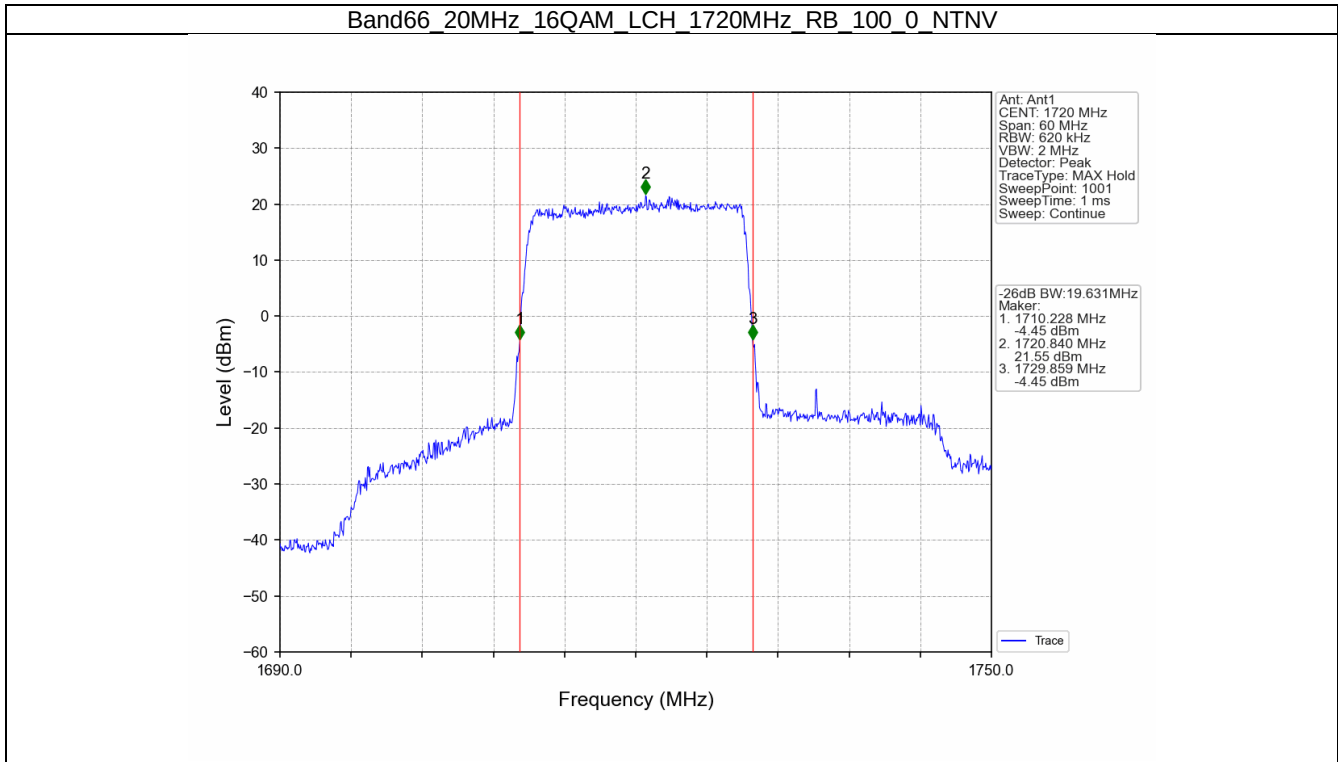


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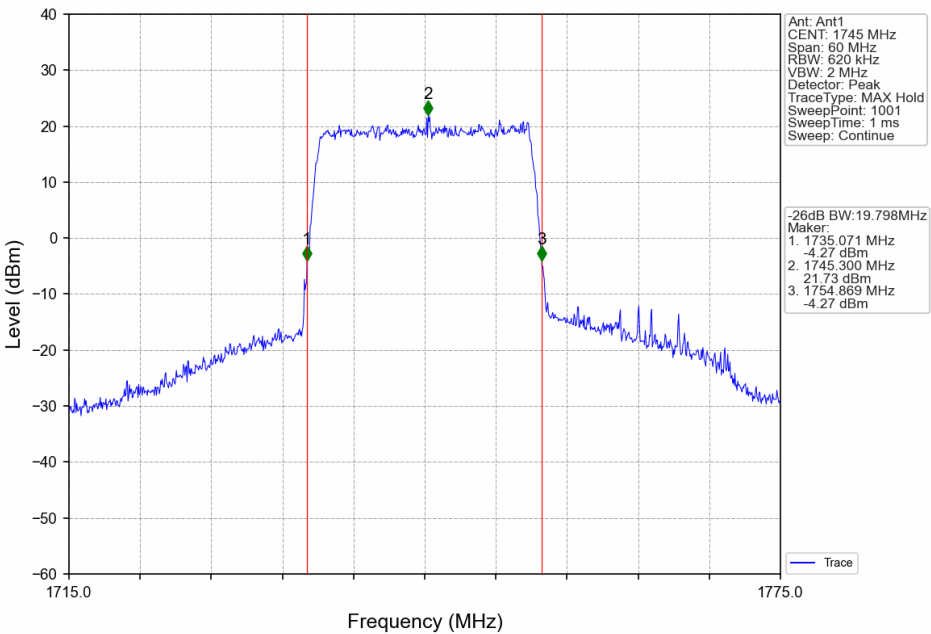
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Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV





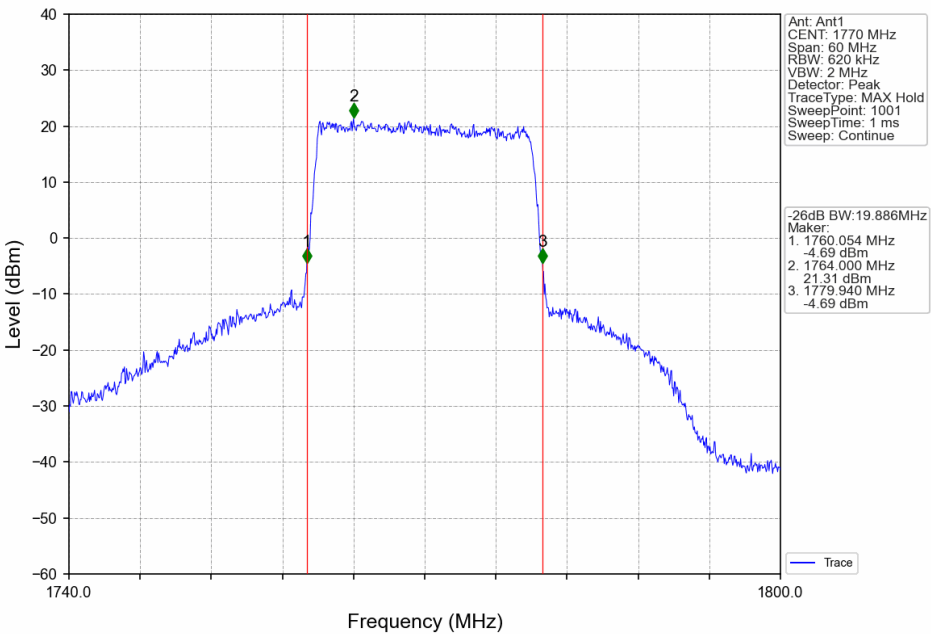
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Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



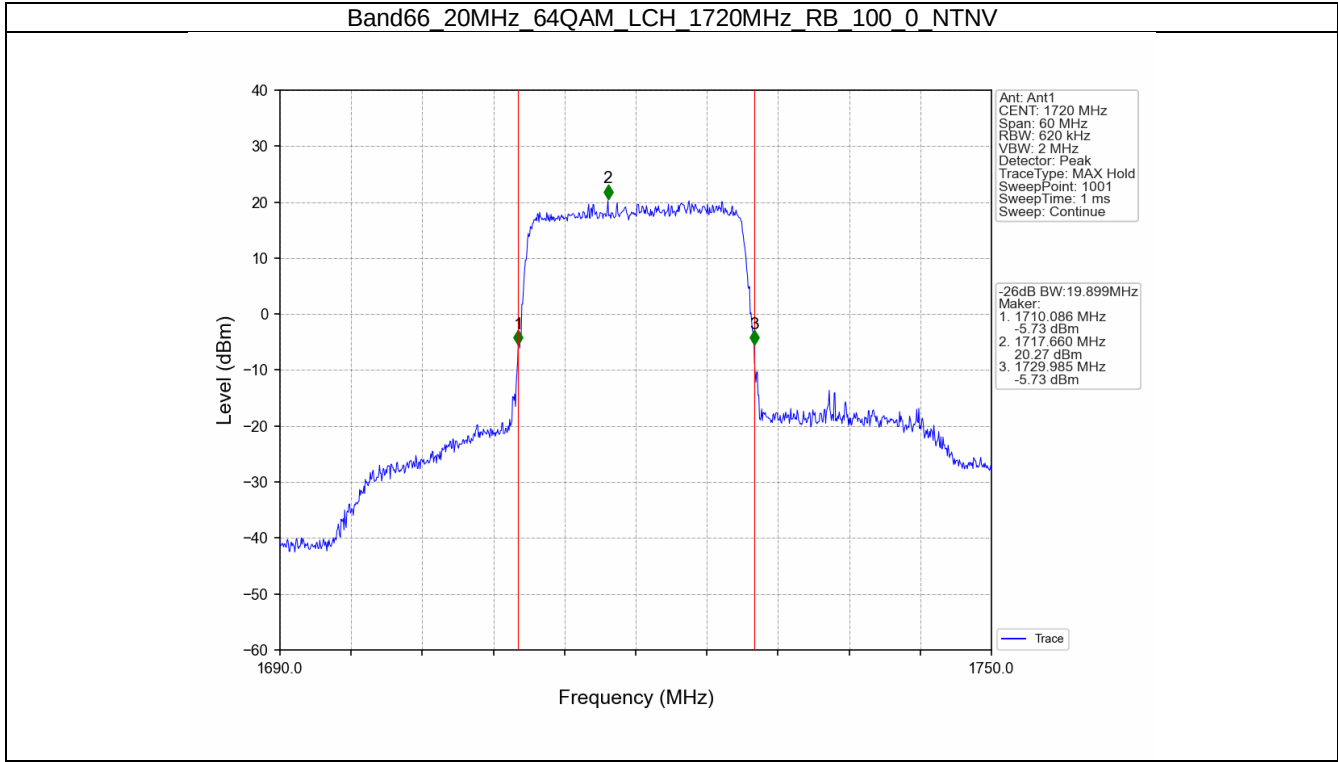


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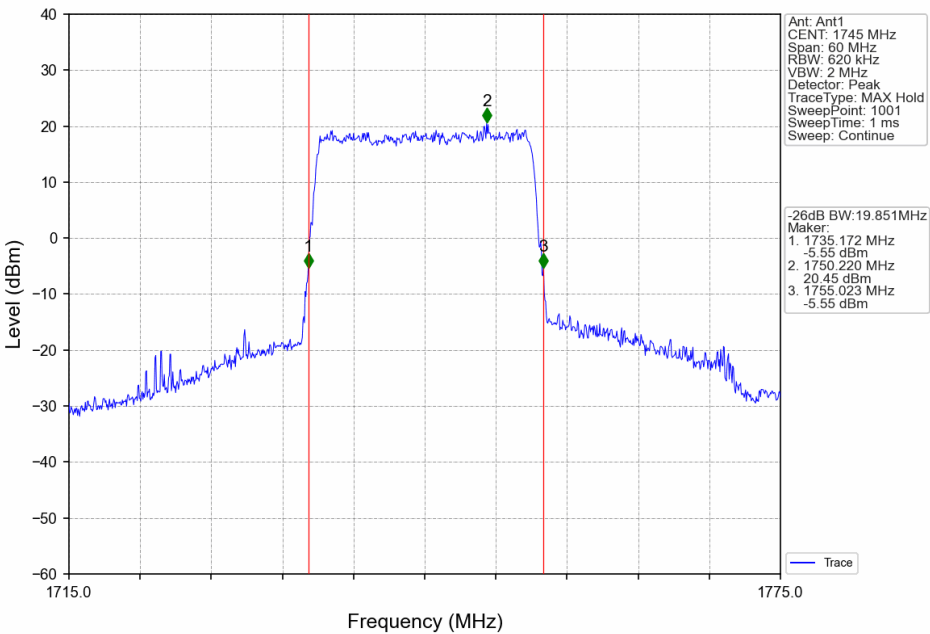
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Band66_20MHz_64QAM_MCH_1745MHz_RB_100_0_NTNV





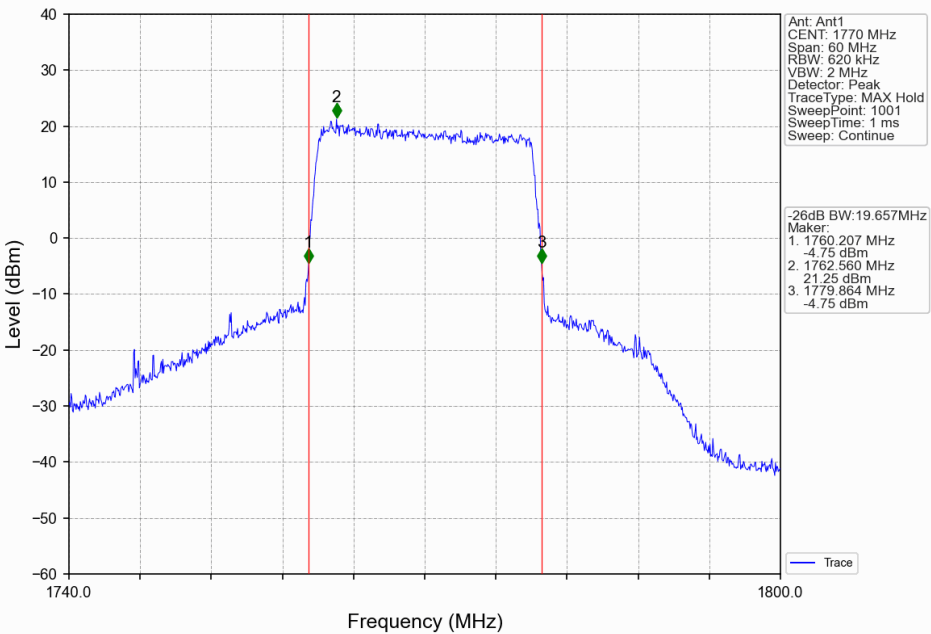
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Band66_20MHz_64QAM_HCH_1770MHz_RB_100_0_NTNV





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3. Peak-Average Ratio

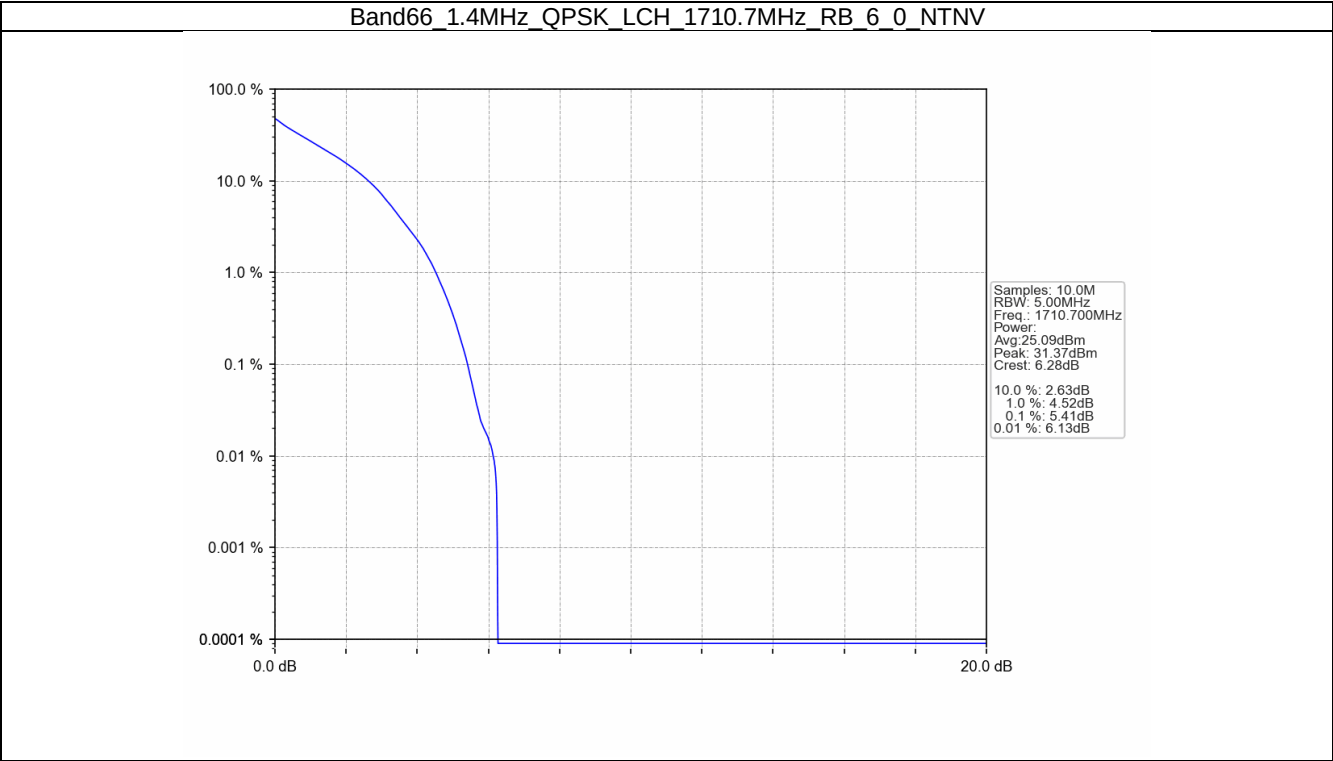
3.1 B66_1.4MHz

3.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.41	<=13	Pass
	1745	6	0	5.38	<=13	Pass
	1779.3	6	0	5.24	<=13	Pass
16QAM	1710.7	6	0	6.19	<=13	Pass
	1745	6	0	6.06	<=13	Pass
	1779.3	6	0	5.92	<=13	Pass
64QAM	1710.7	6	0	6.38	<=13	Pass
	1745	6	0	6.66	<=13	Pass
	1779.3	6	0	6.49	<=13	Pass



3.1.2 Test Graph





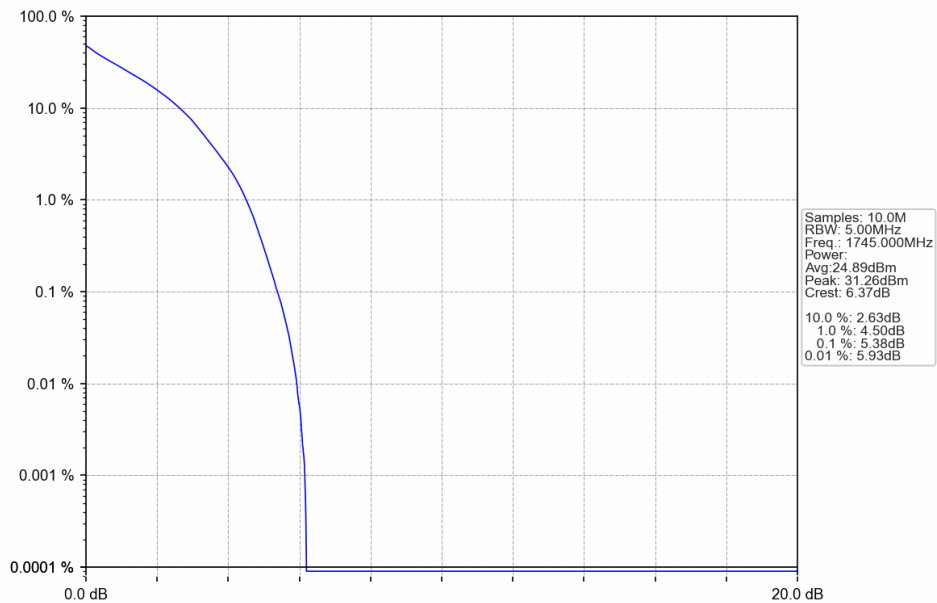
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Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



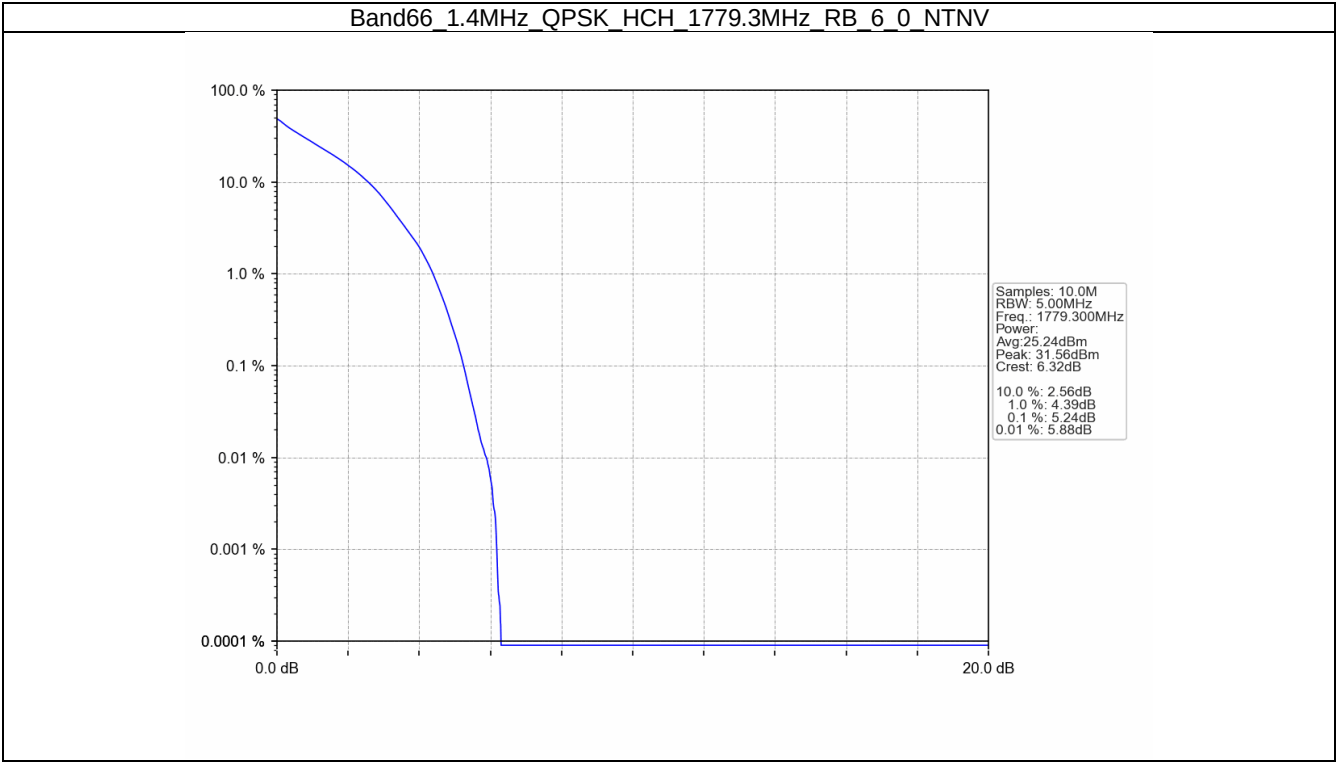


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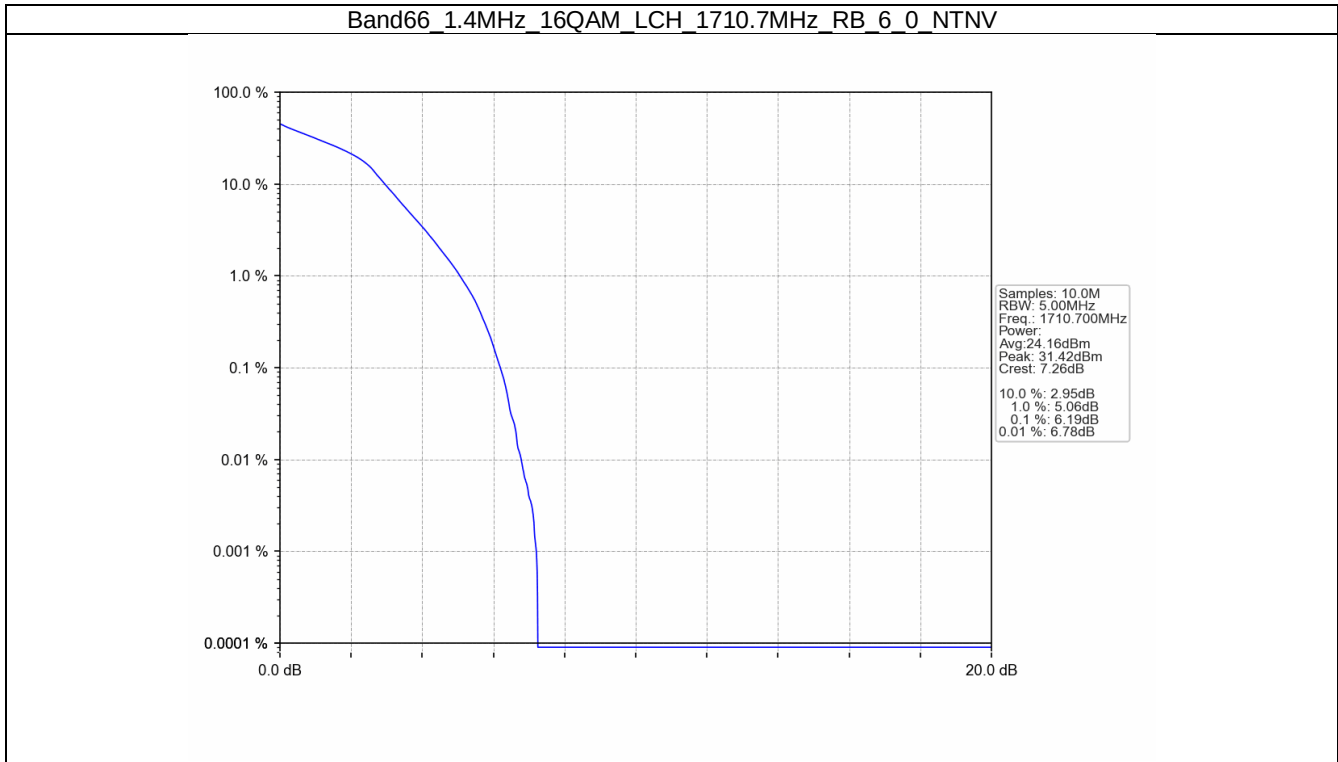


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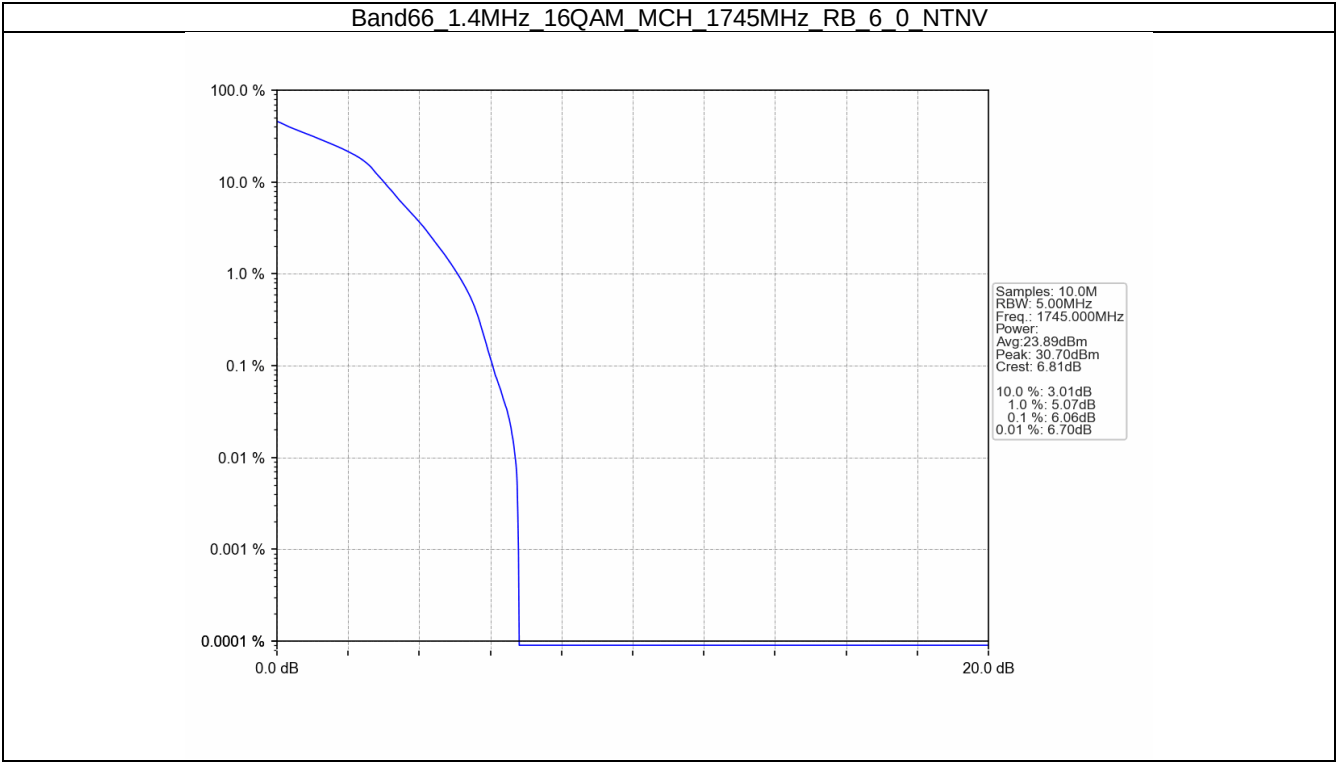


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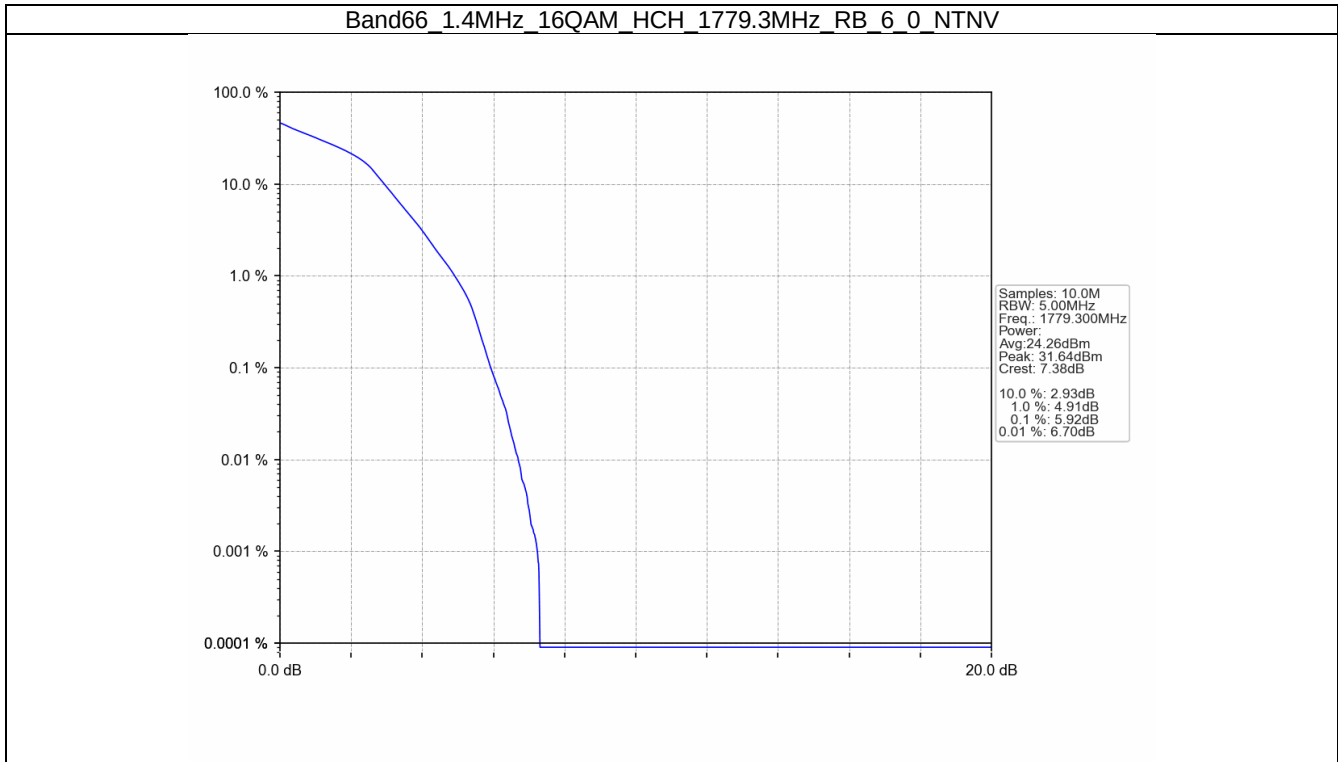


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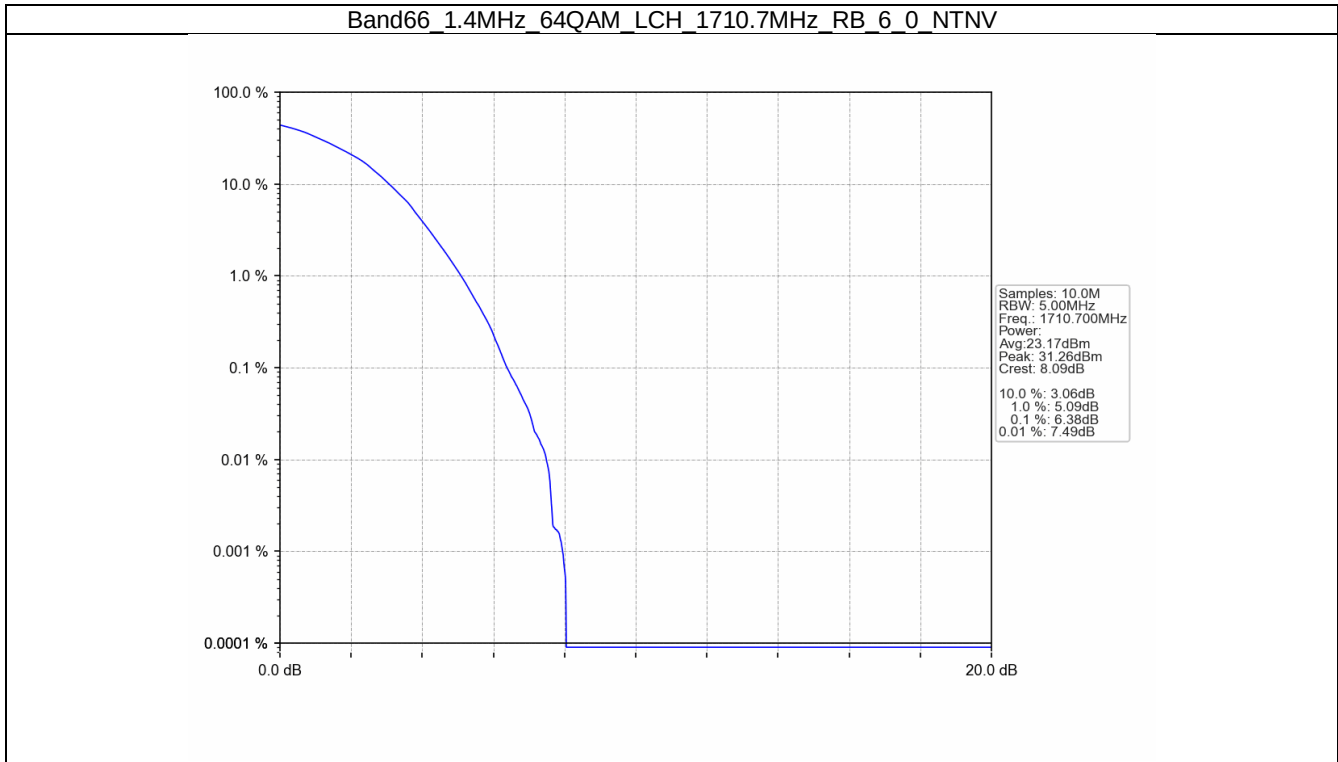


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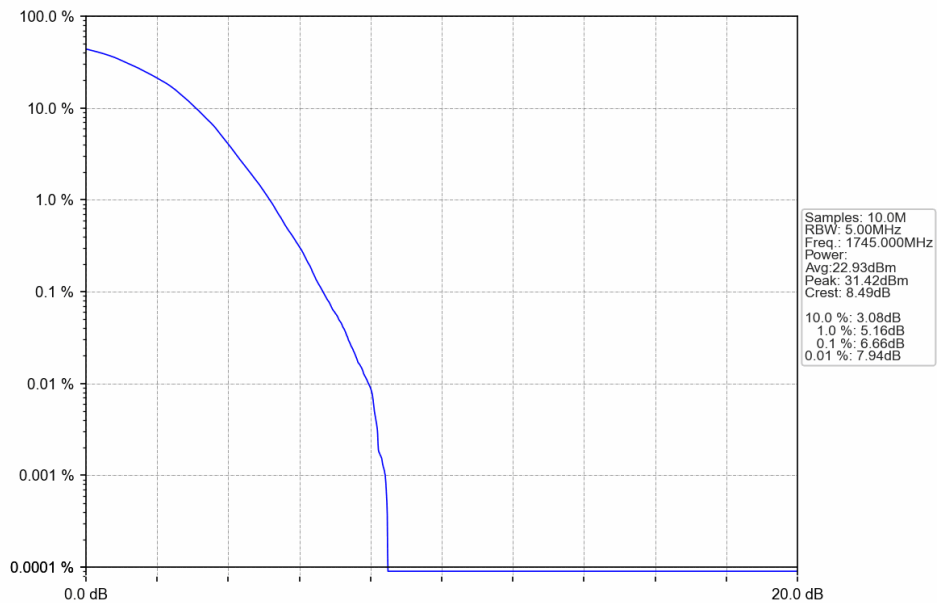
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Band66_1.4MHz_64QAM_MCH_1745MHz_RB_6_0_NTNV



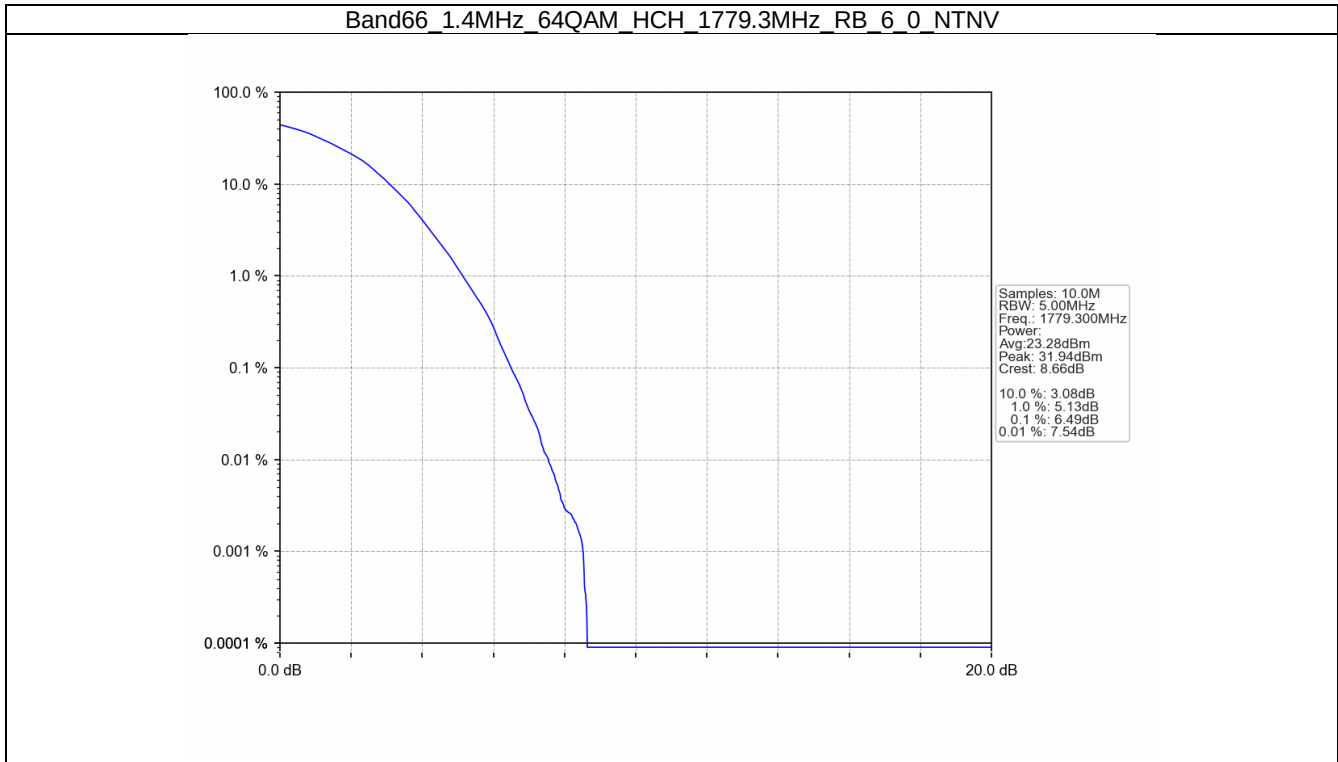


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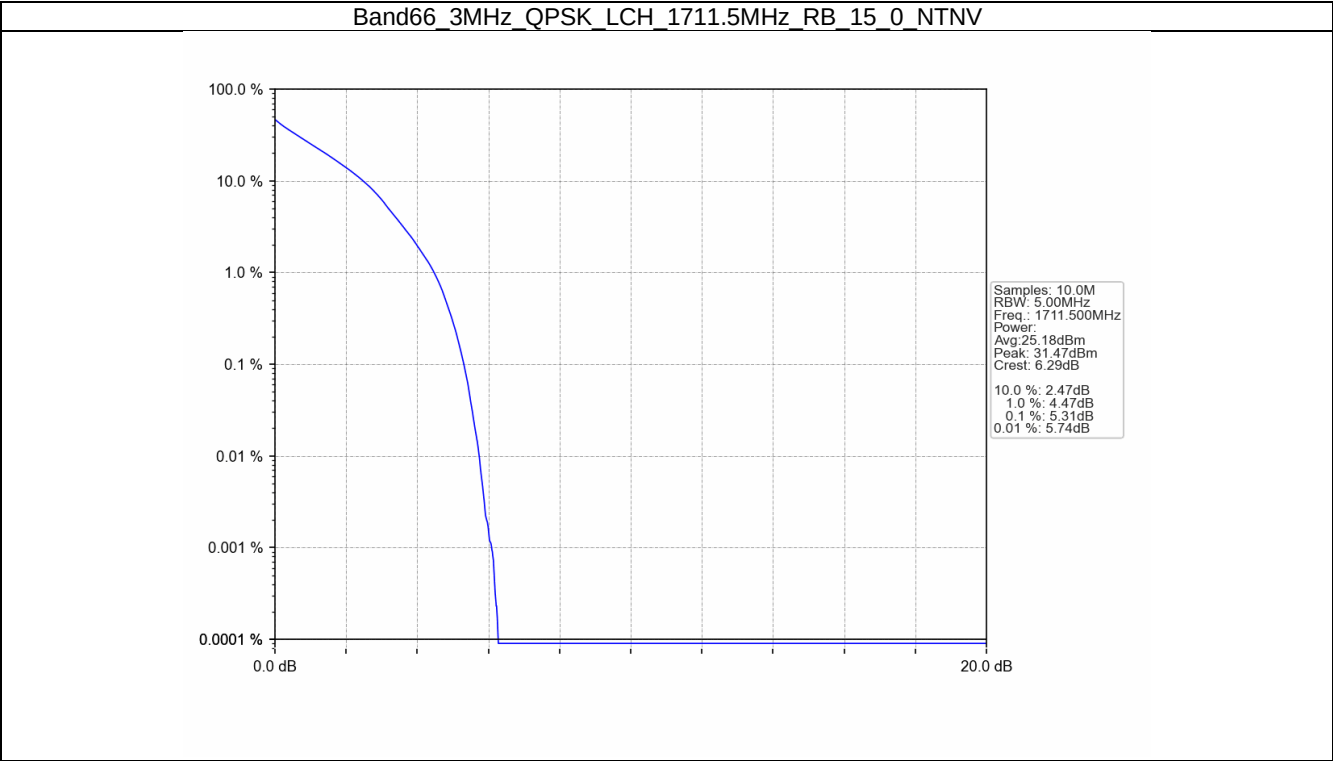
3.2 B66_3MHz

3.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.31	<=13	Pass
	1745	15	0	5.25	<=13	Pass
	1778.5	15	0	5.17	<=13	Pass
16QAM	1711.5	15	0	6.08	<=13	Pass
	1745	15	0	5.99	<=13	Pass
	1778.5	15	0	5.88	<=13	Pass
64QAM	1711.5	15	0	6.63	<=13	Pass
	1745	15	0	6.64	<=13	Pass
	1778.5	15	0	6.47	<=13	Pass



3.2.2 Test Graph





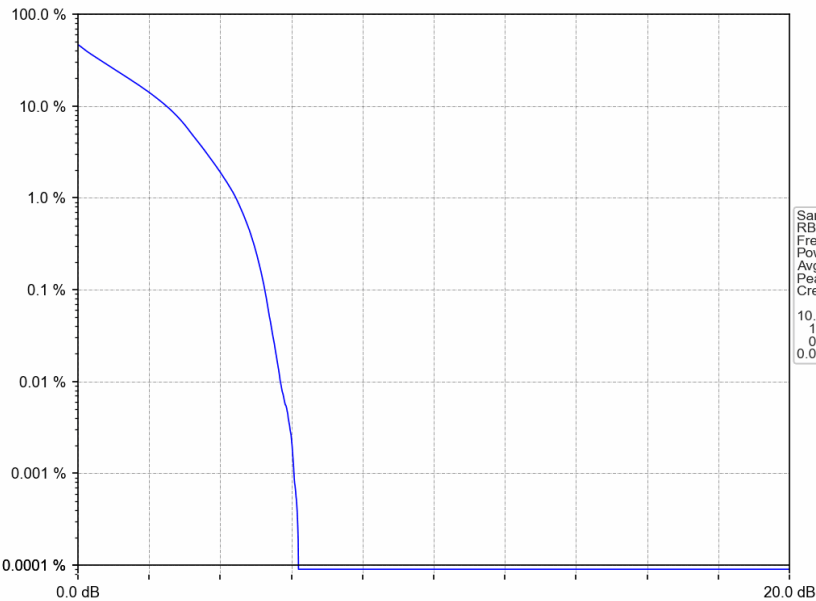
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Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq.: 1745.000MHz
Power:
Avg: 24.97dBm
Peak: 31.19dBm
Crest: 6.22dB
10.0 %: 2.49dB
1.0 %: 4.44dB
0.1 %: 5.25dB
0.01 %: 5.69dB

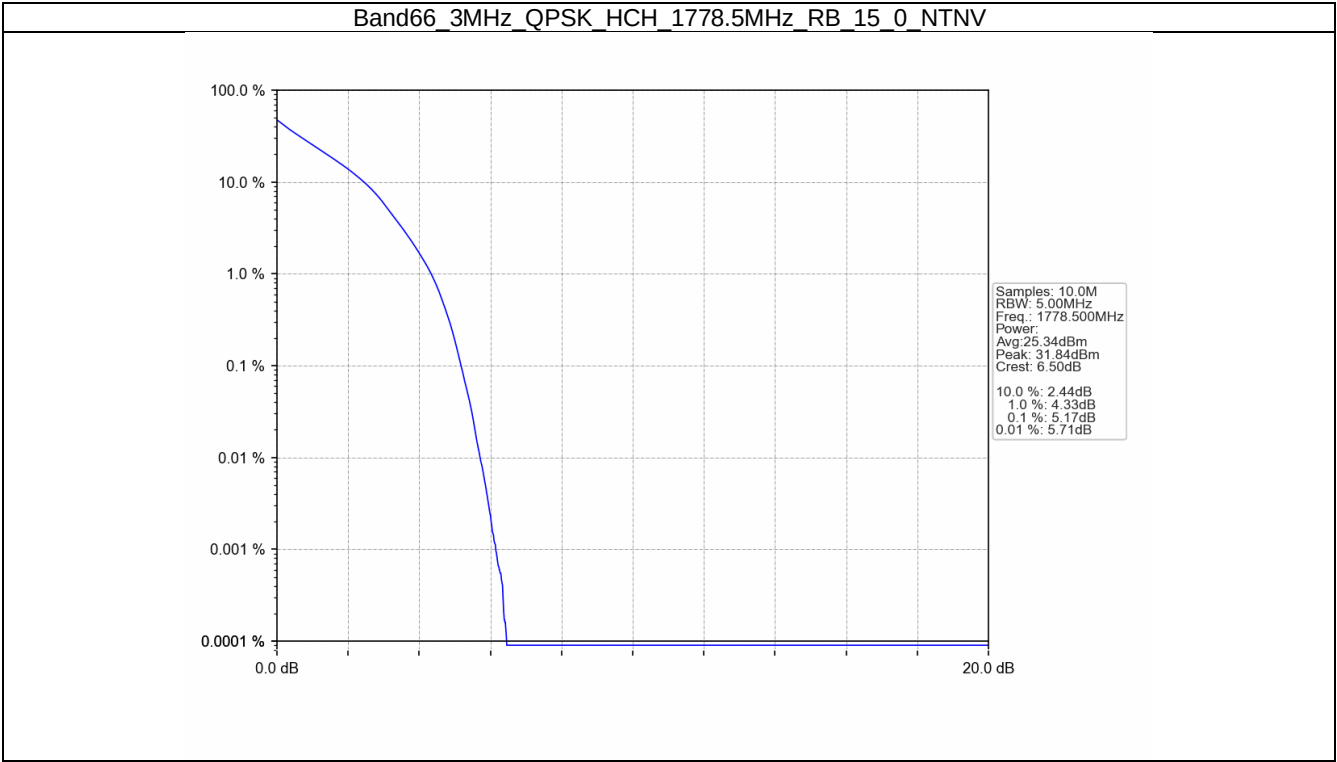


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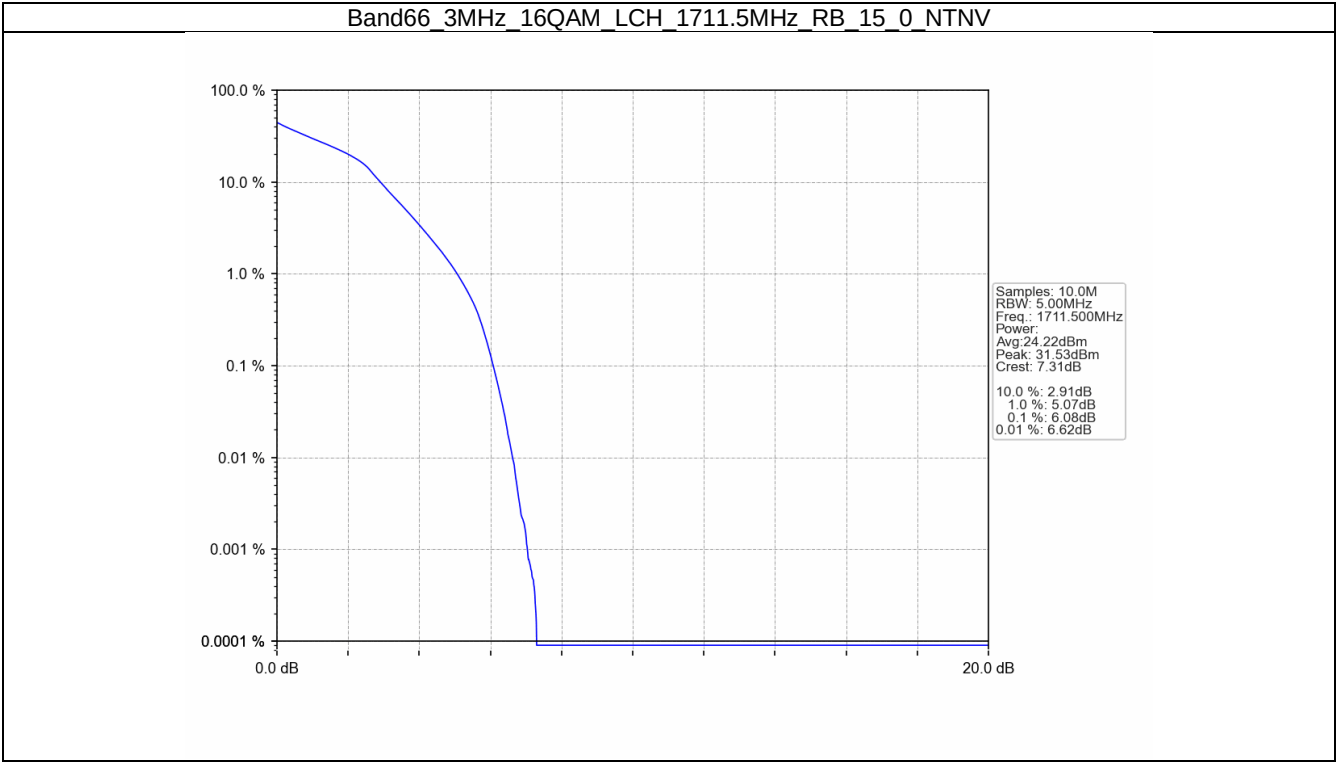


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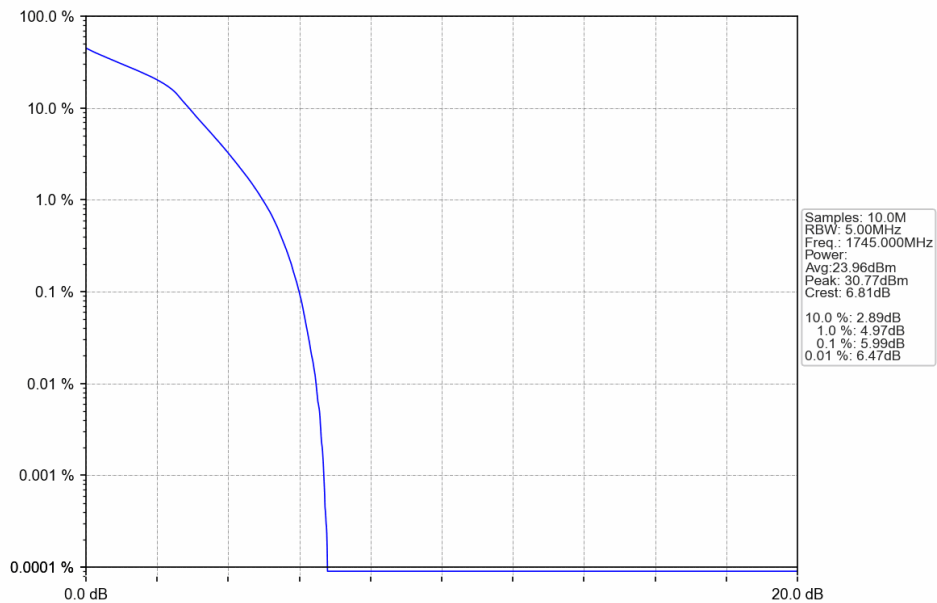
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Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



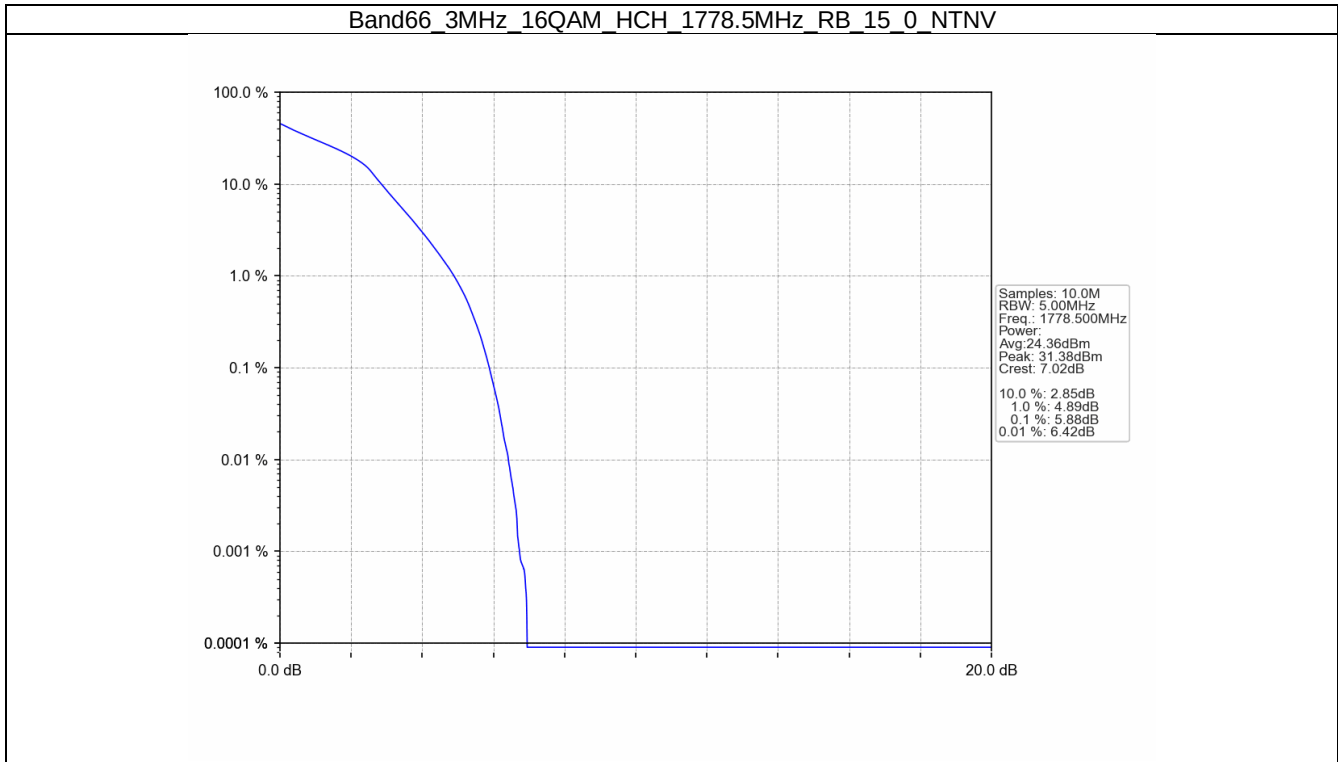


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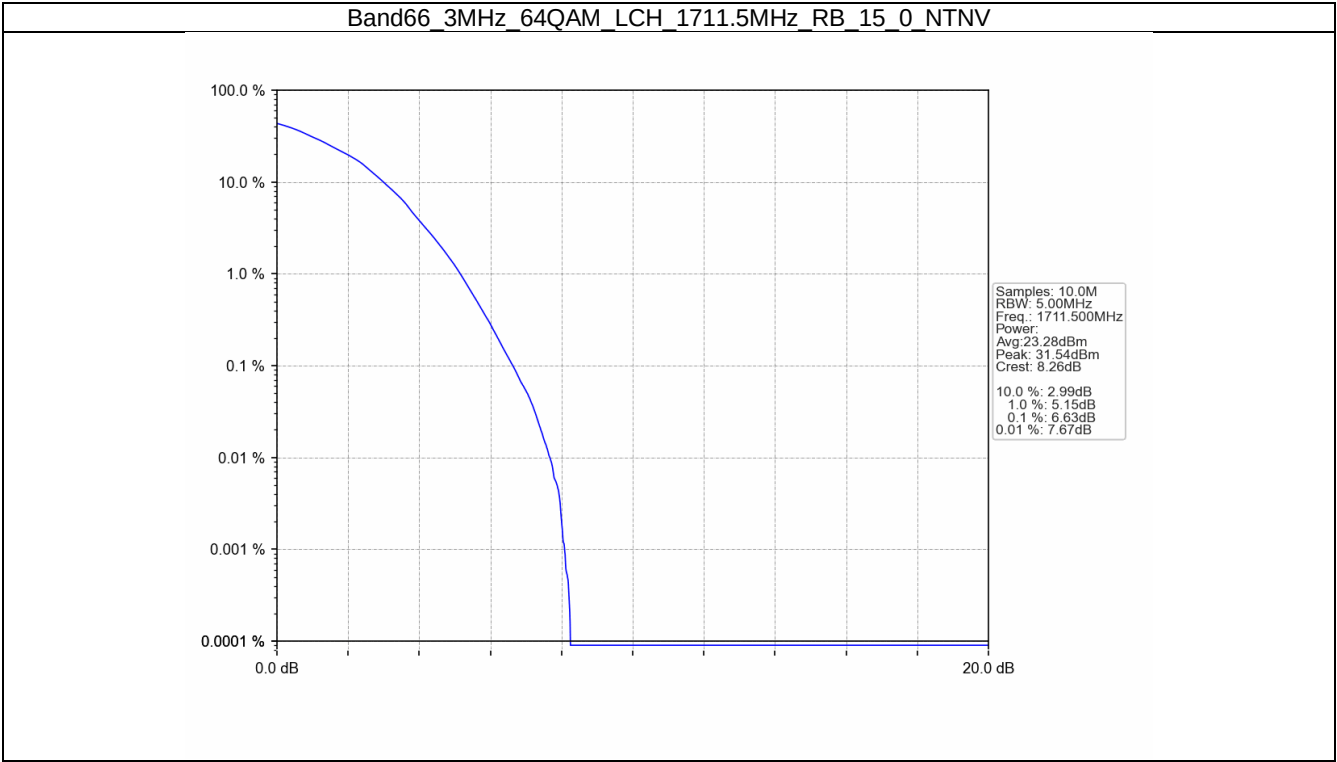


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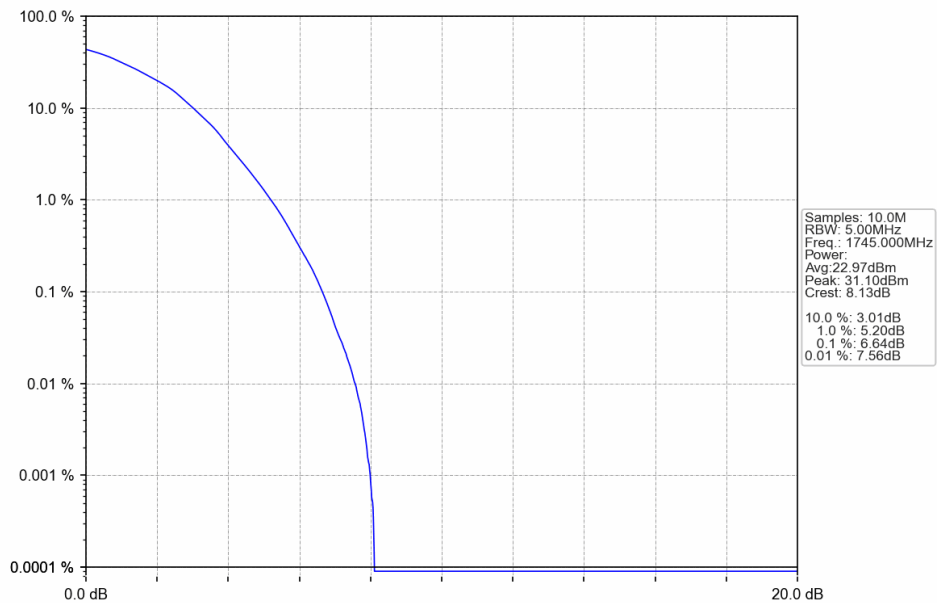
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Band66_3MHz_64QAM_MCH_1745MHz_RB_15_0_NTNV



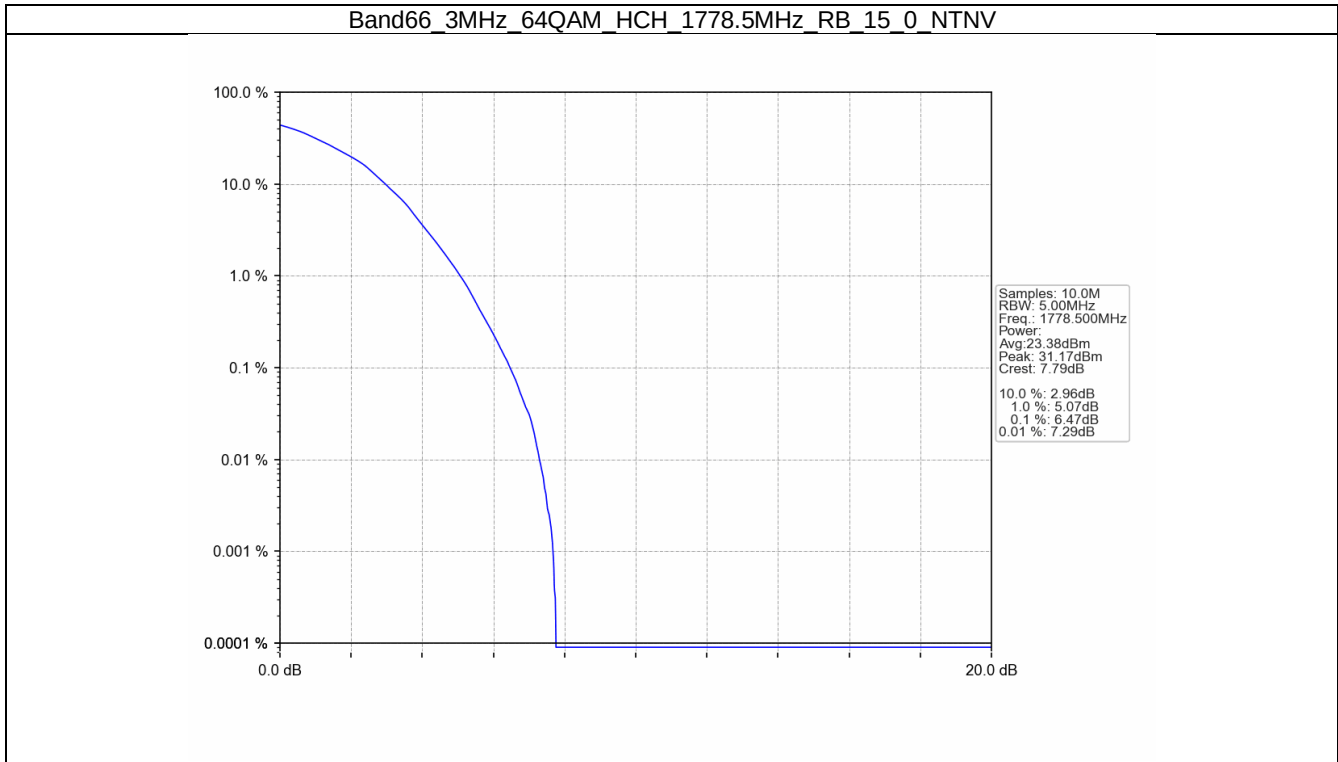


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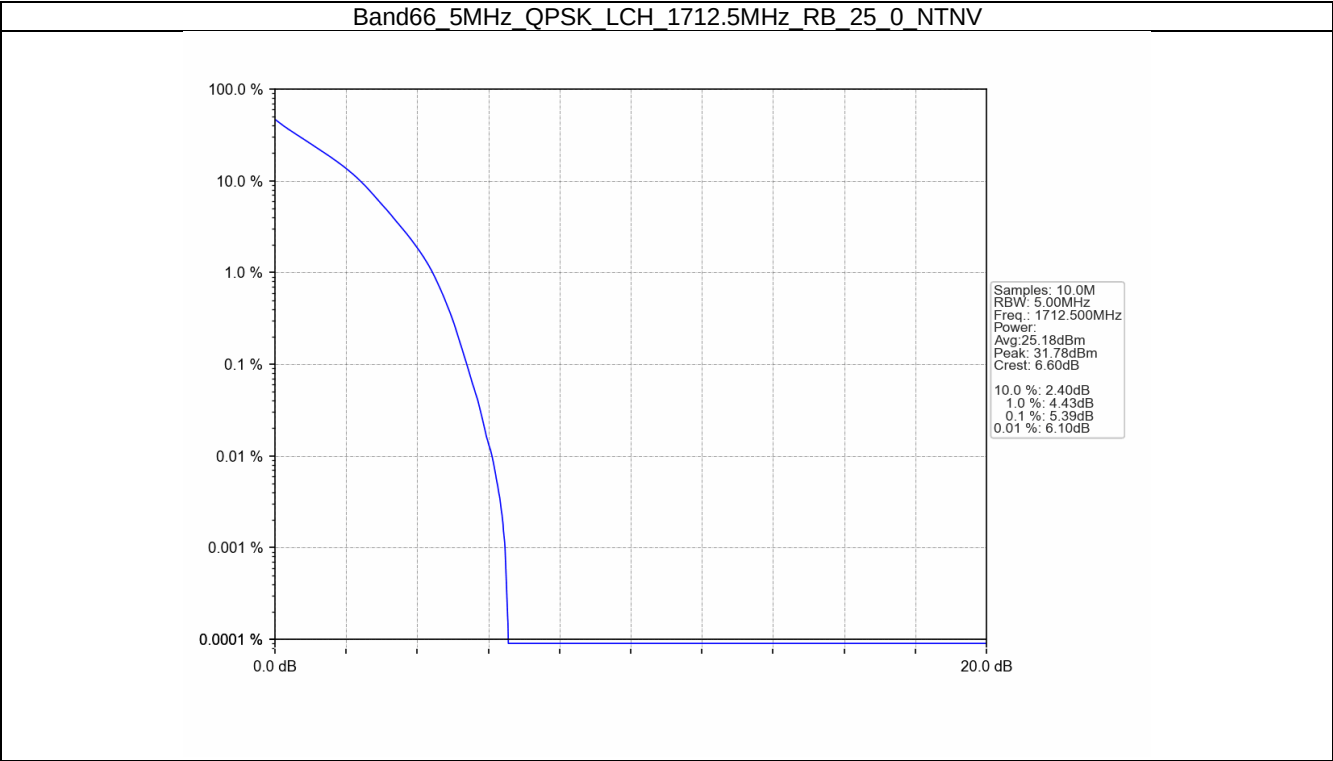
3.3 B66_5MHz

3.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.39	<=13	Pass
	1745	25	0	5.29	<=13	Pass
	1777.5	25	0	5.24	<=13	Pass
16QAM	1712.5	25	0	6.09	<=13	Pass
	1745	25	0	6.01	<=13	Pass
	1777.5	25	0	5.93	<=13	Pass
64QAM	1712.5	25	0	6.56	<=13	Pass
	1745	25	0	6.52	<=13	Pass
	1777.5	25	0	6.47	<=13	Pass



3.3.2 Test Graph





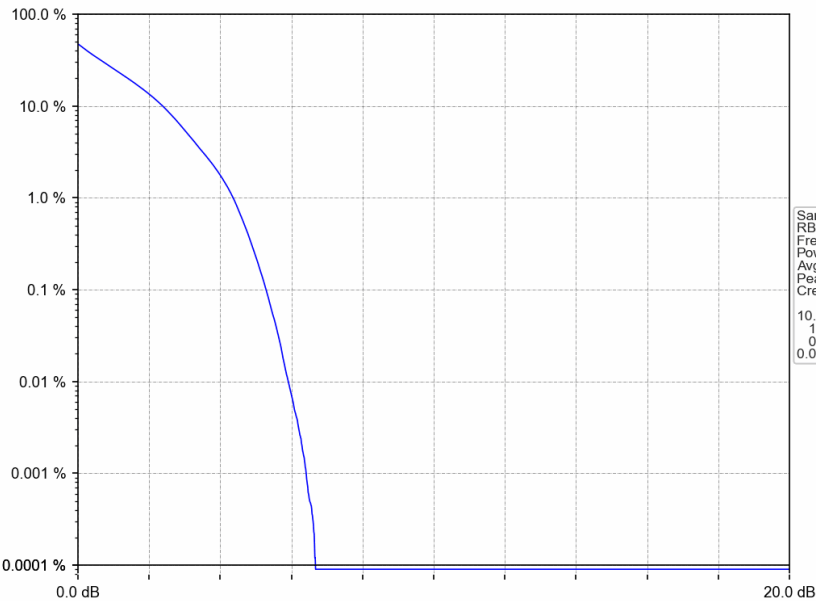
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Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq.: 1745.000MHz
Power:
Avg: 24.95dBm
Peak: 31.78dBm
Crest: 6.83dB
10.0 %: 2.38dB
1.0 %: 4.36dB
0.1 %: 5.29dB
0.01 %: 5.91dB

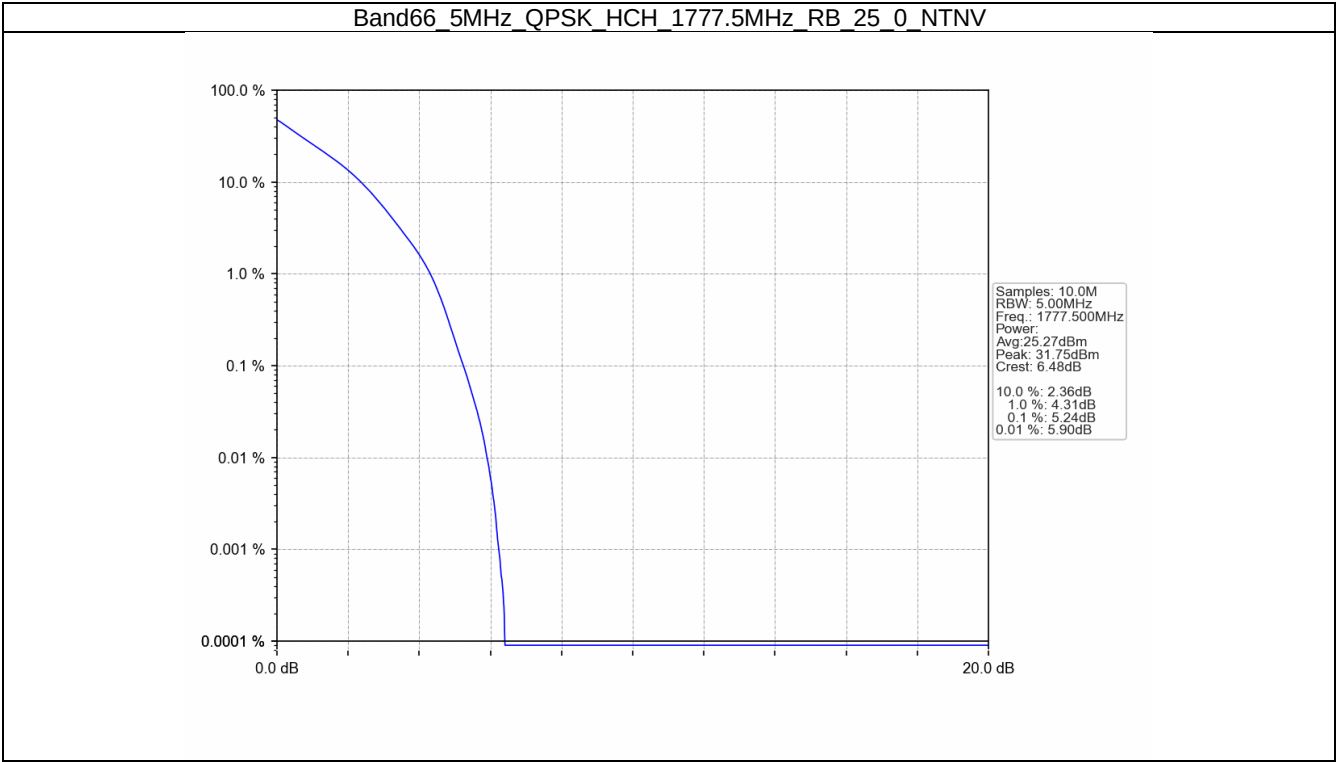


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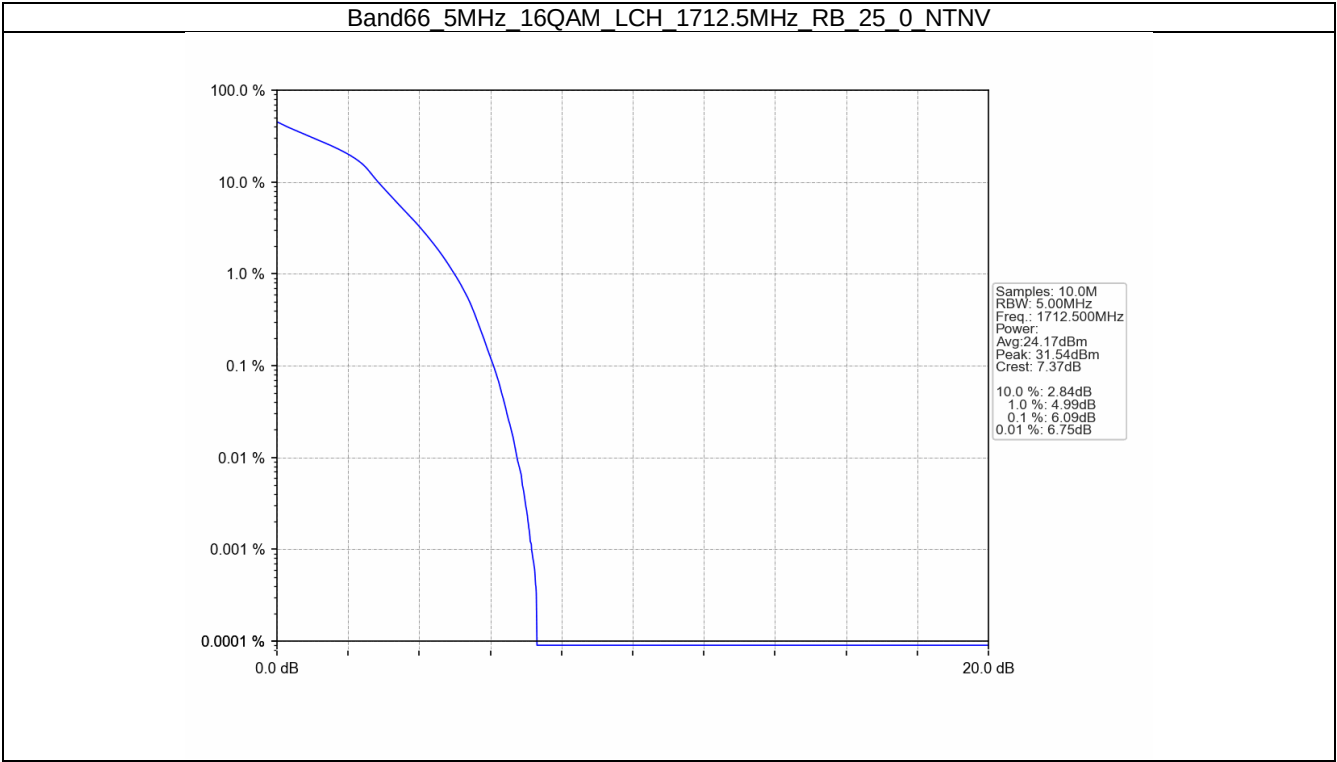


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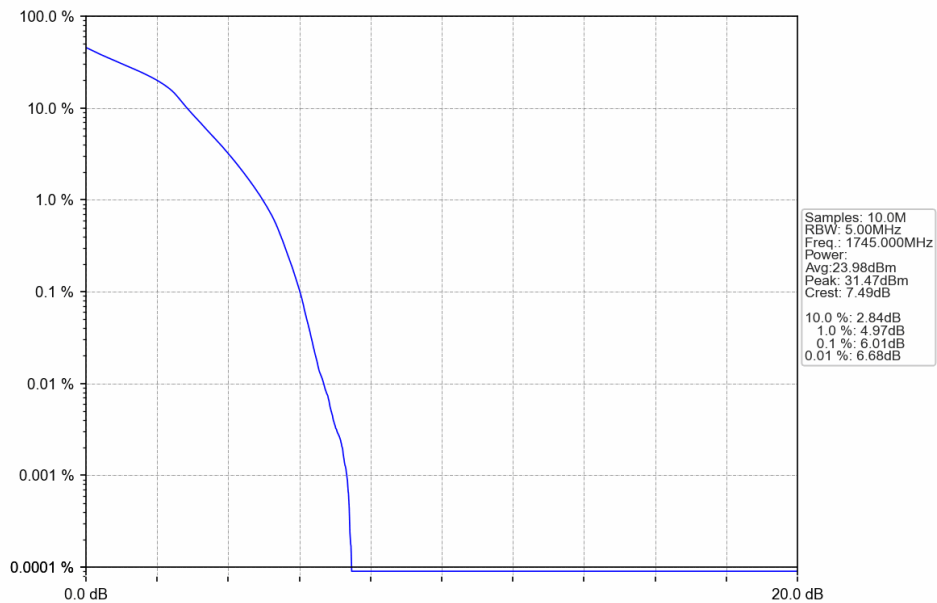
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Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



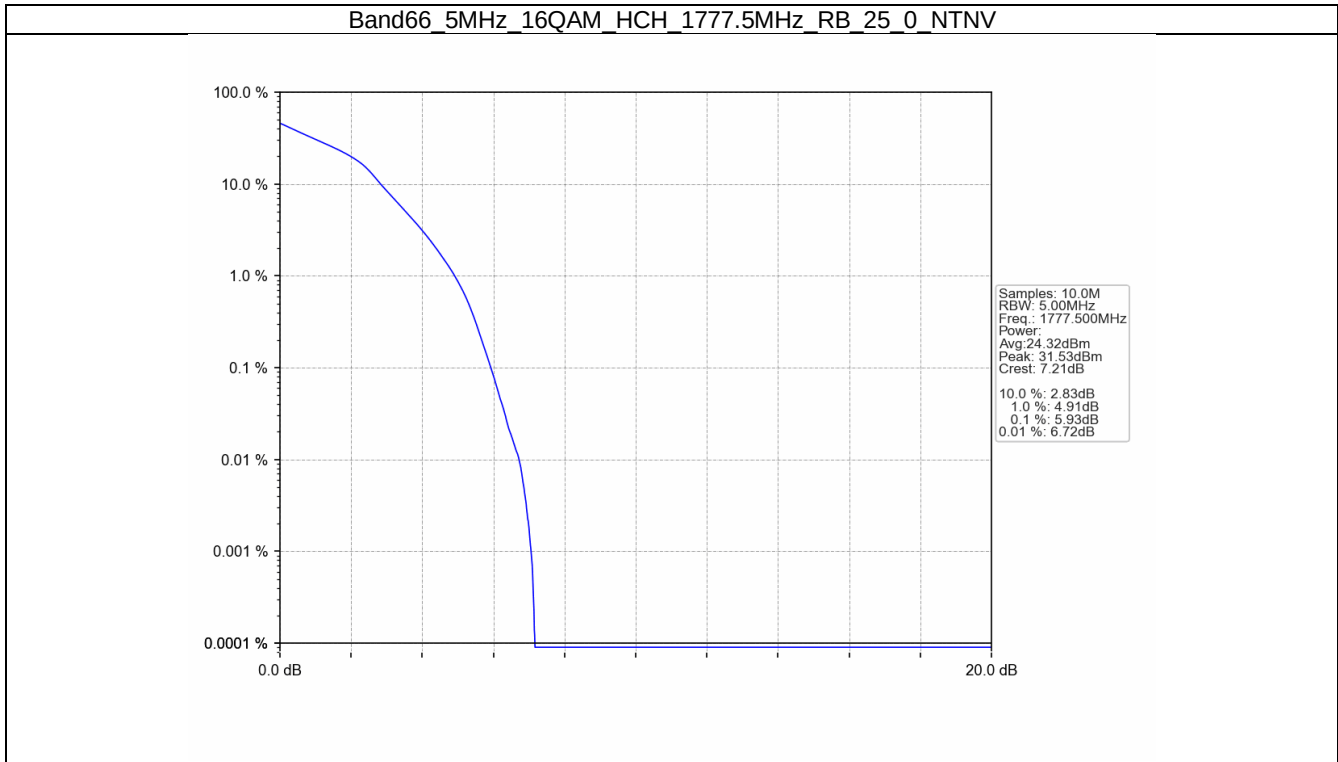


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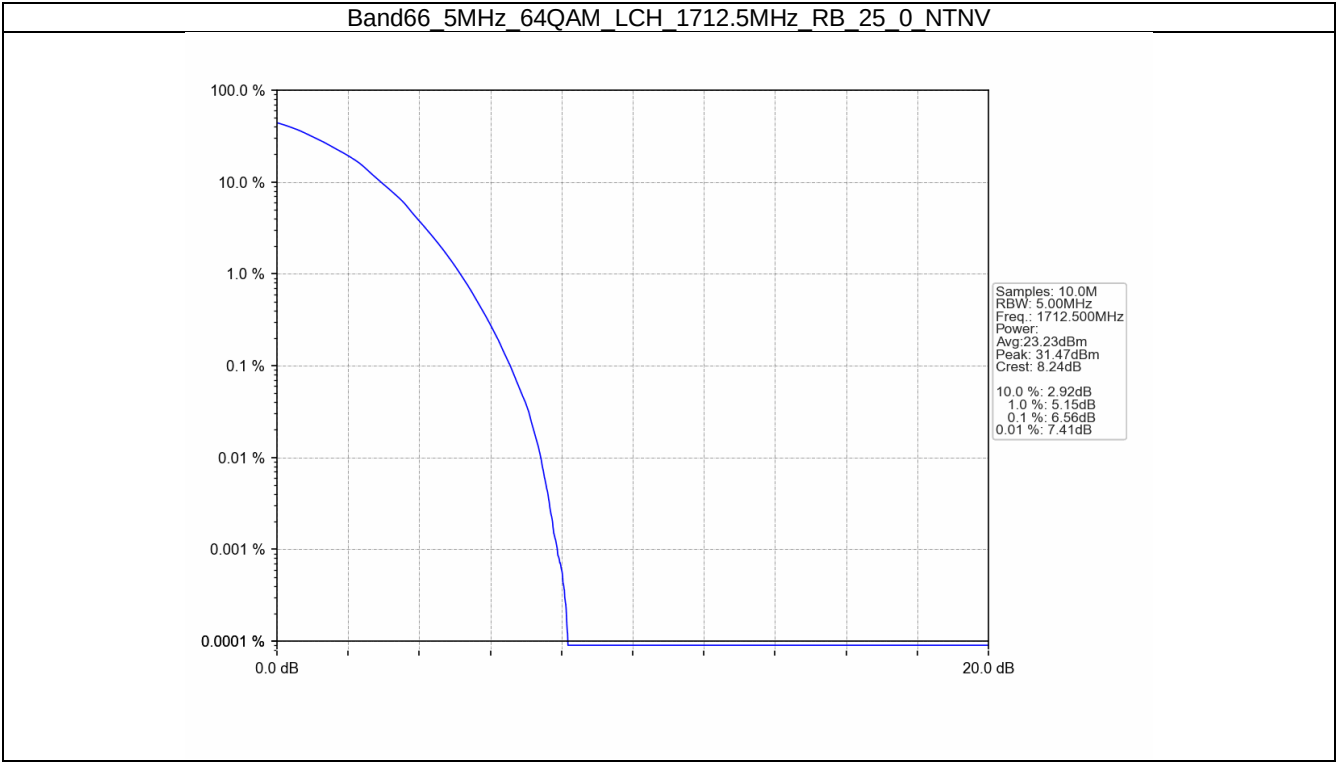


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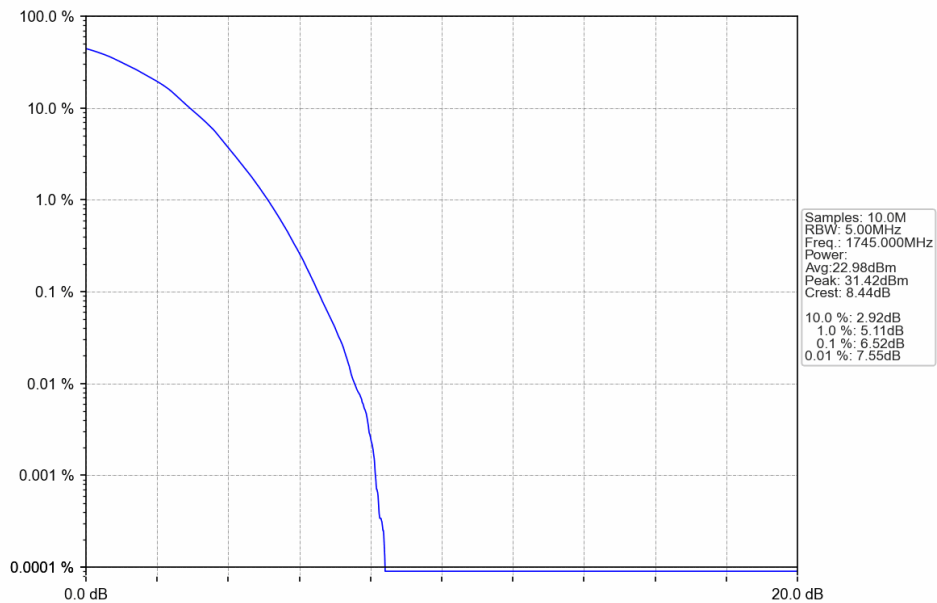
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Band66_5MHz_64QAM_MCH_1745MHz_RB_25_0_NTNV



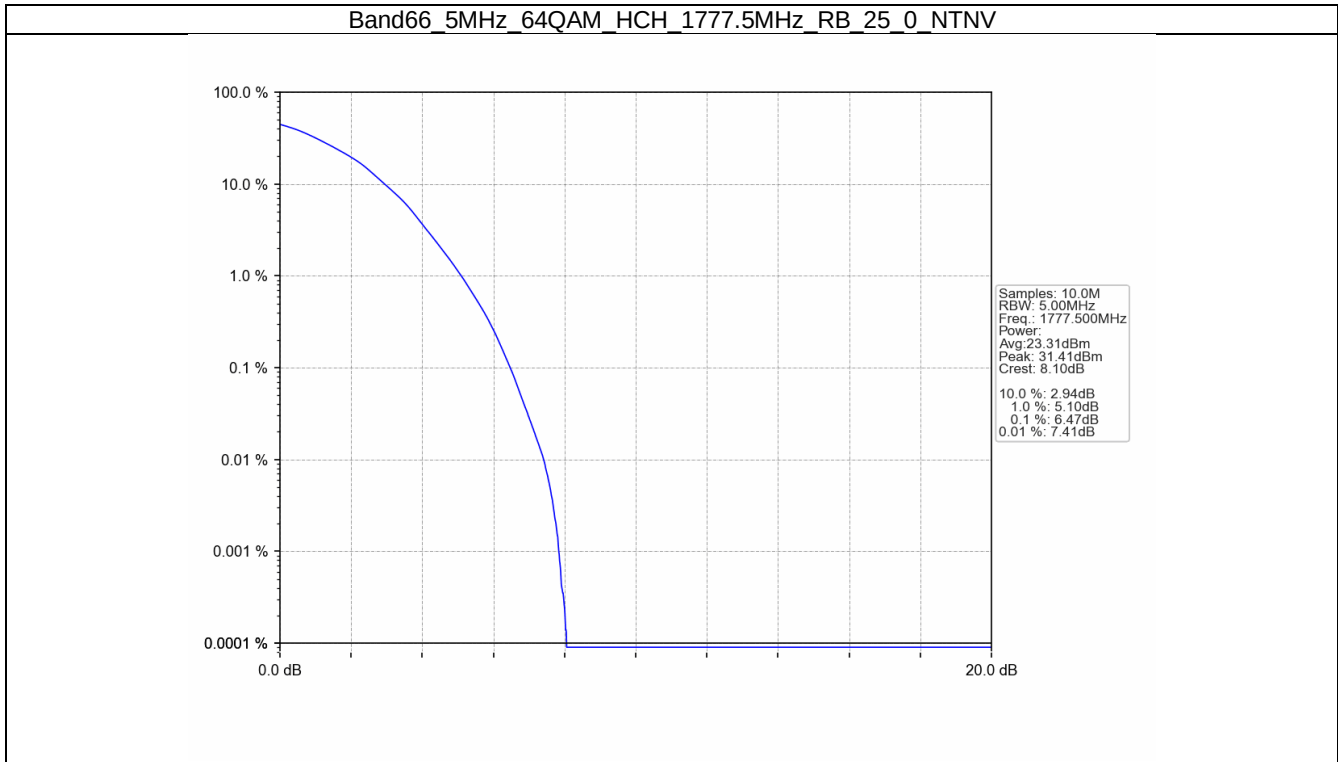


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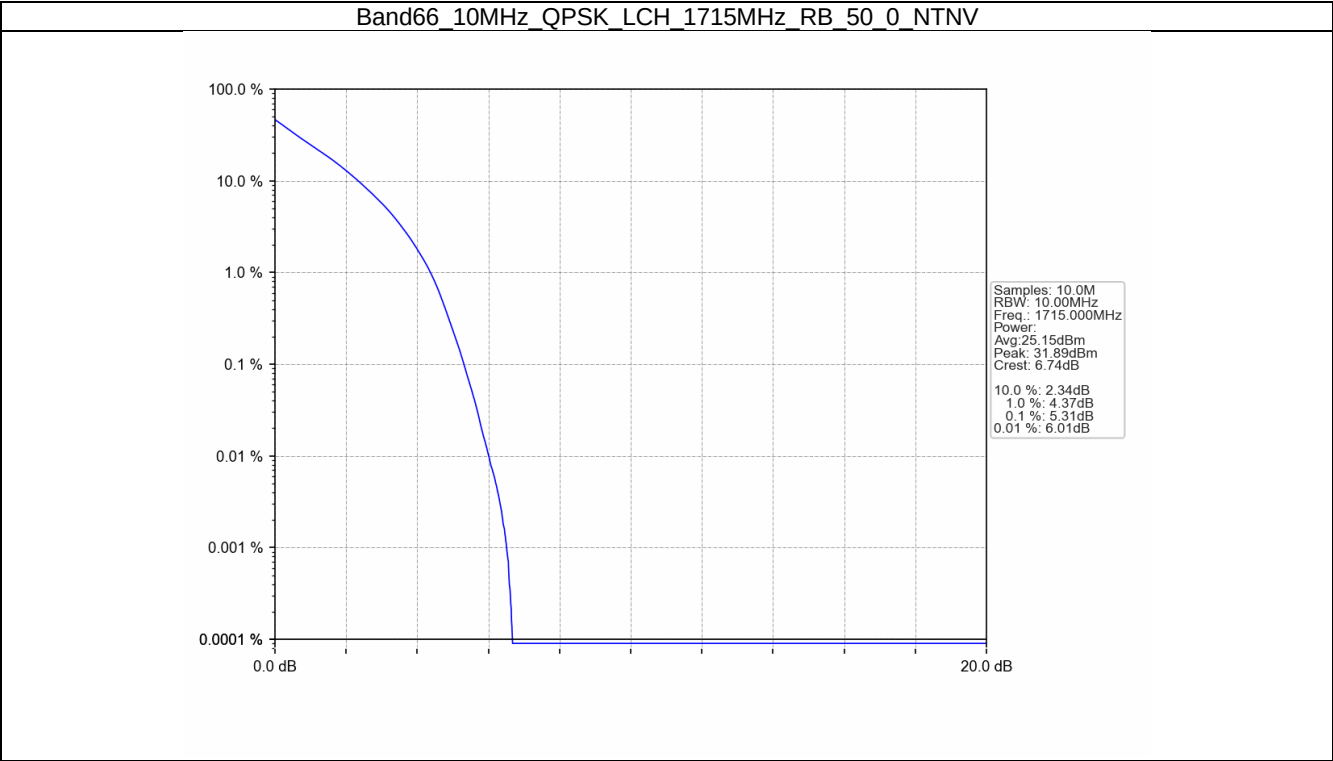
3.4 B66_10MHz

3.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.31	<=13	Pass
	1745	50	0	5.27	<=13	Pass
	1775	50	0	5.27	<=13	Pass
16QAM	1715	50	0	6.05	<=13	Pass
	1745	50	0	6.00	<=13	Pass
	1775	50	0	5.99	<=13	Pass
64QAM	1715	50	0	6.57	<=13	Pass
	1745	50	0	6.59	<=13	Pass
	1775	50	0	6.51	<=13	Pass



3.4.2 Test Graph





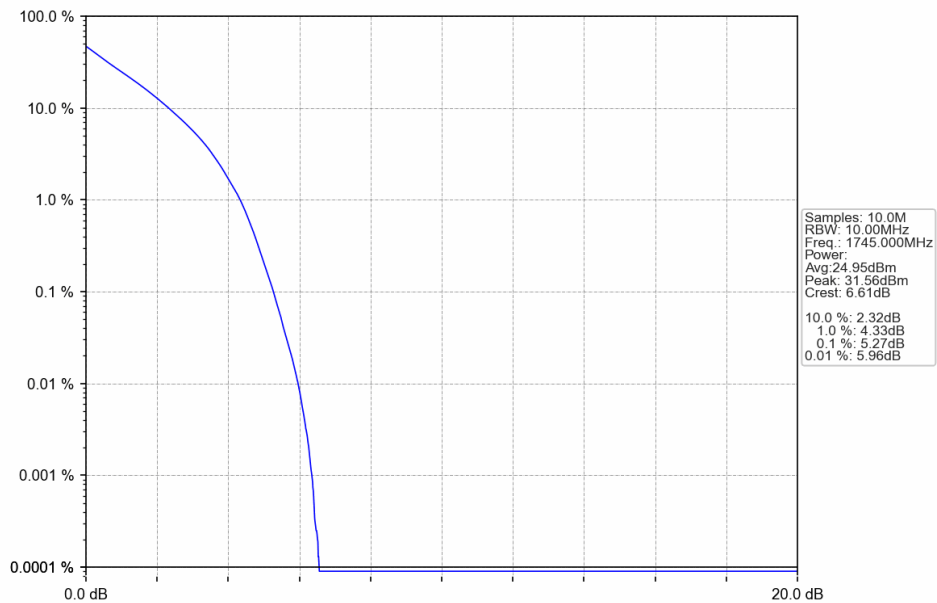
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Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV





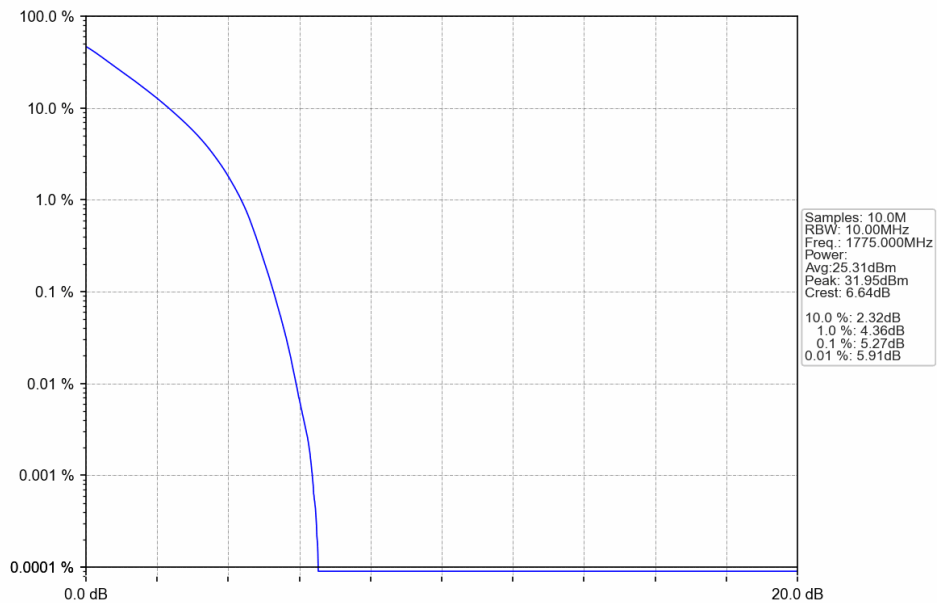
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Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



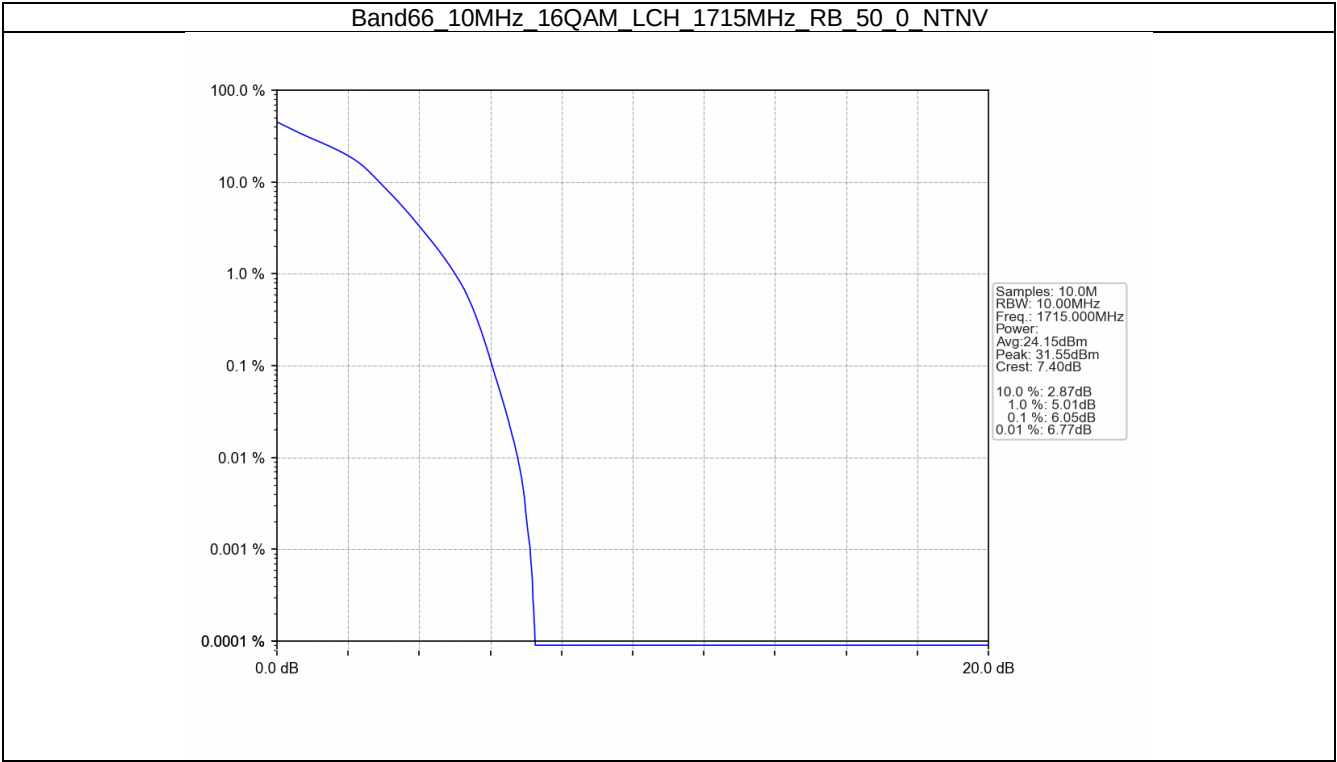


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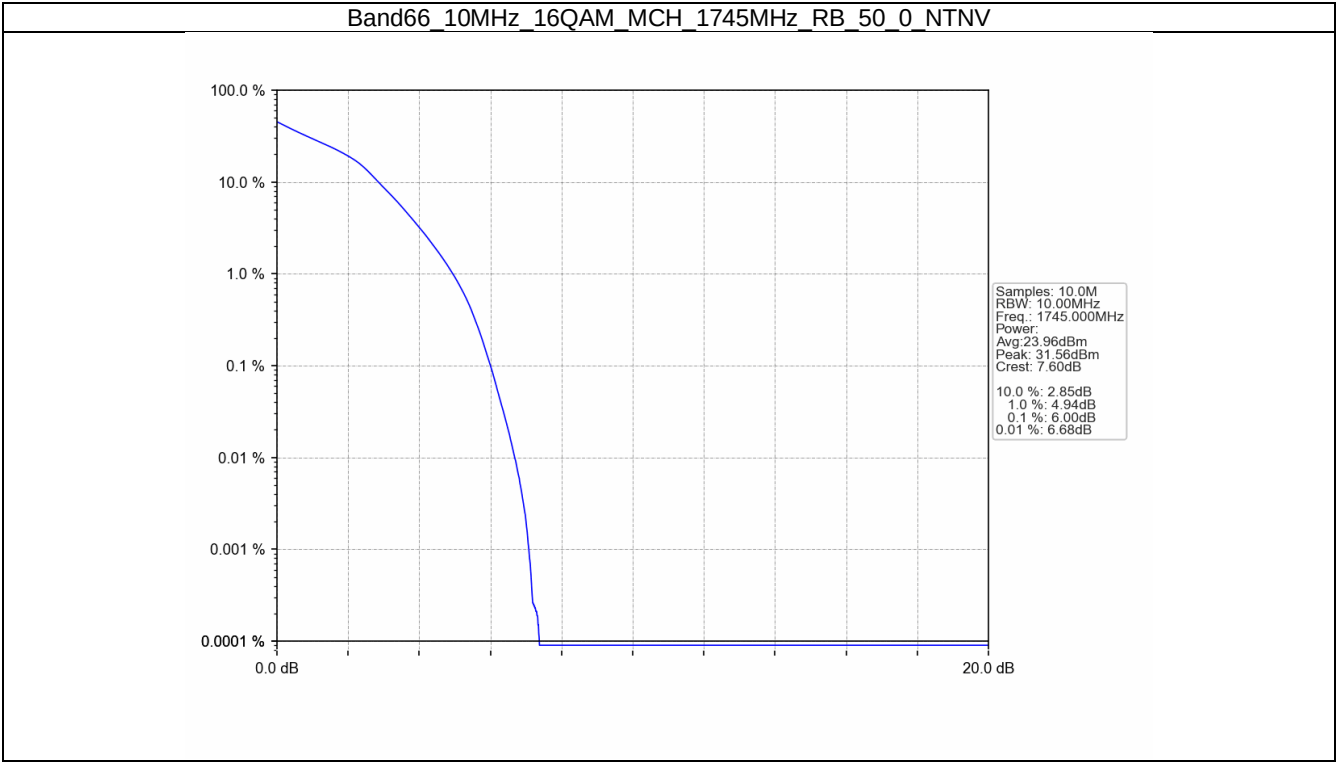


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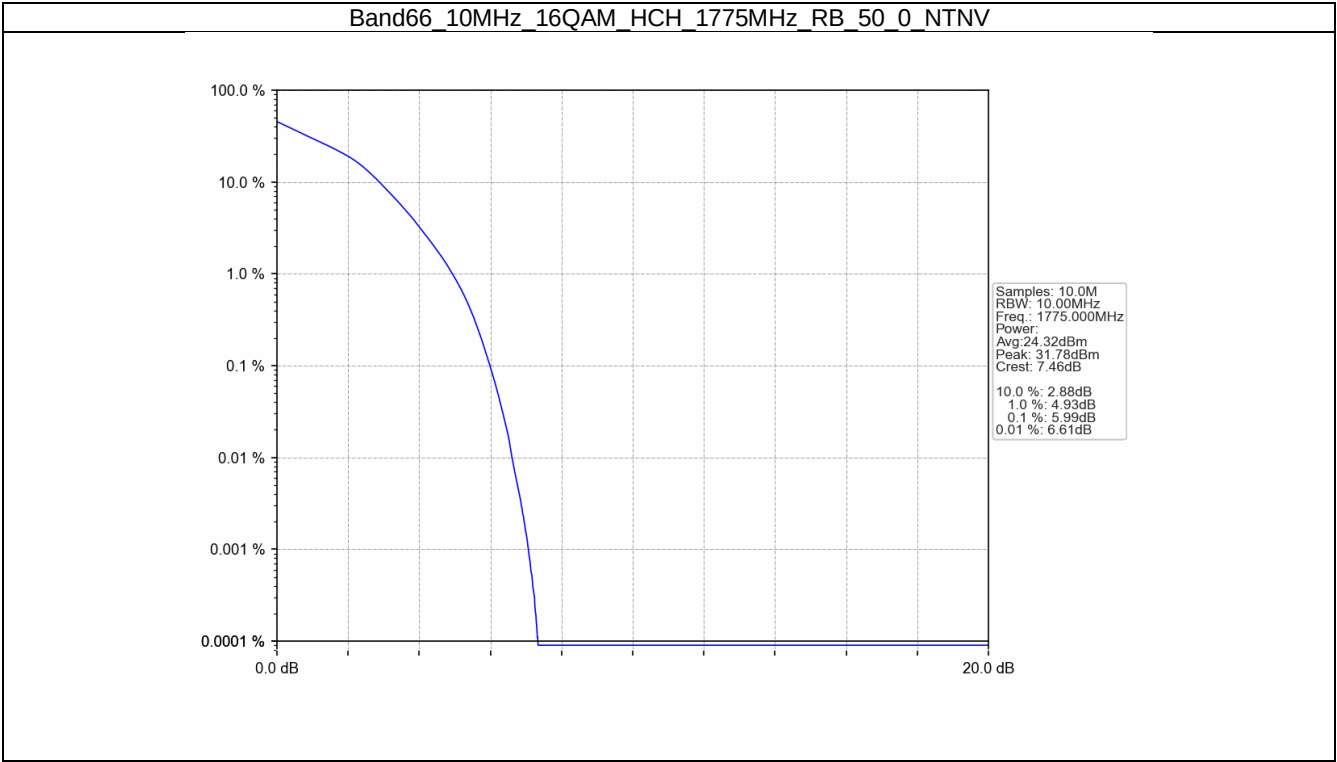


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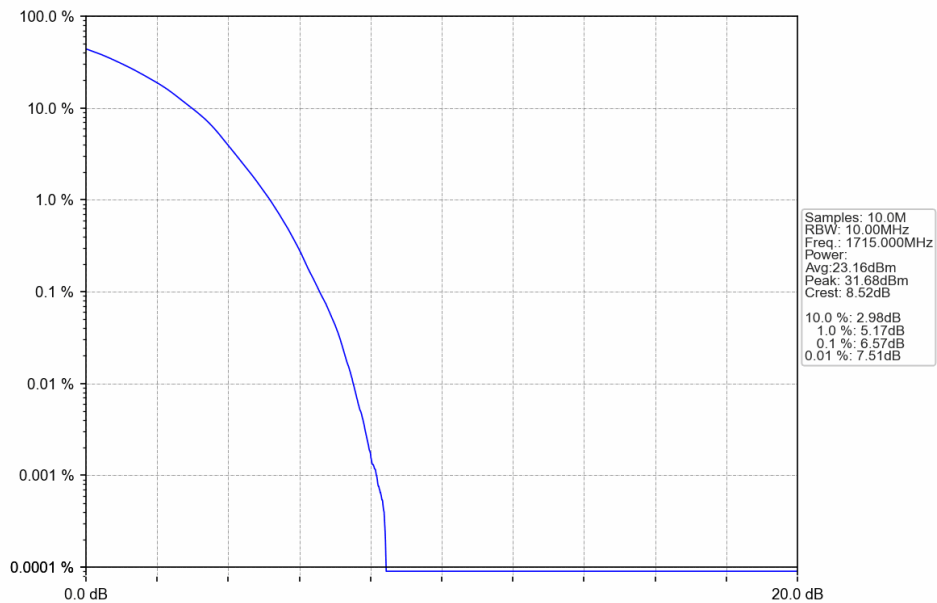
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Band66_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



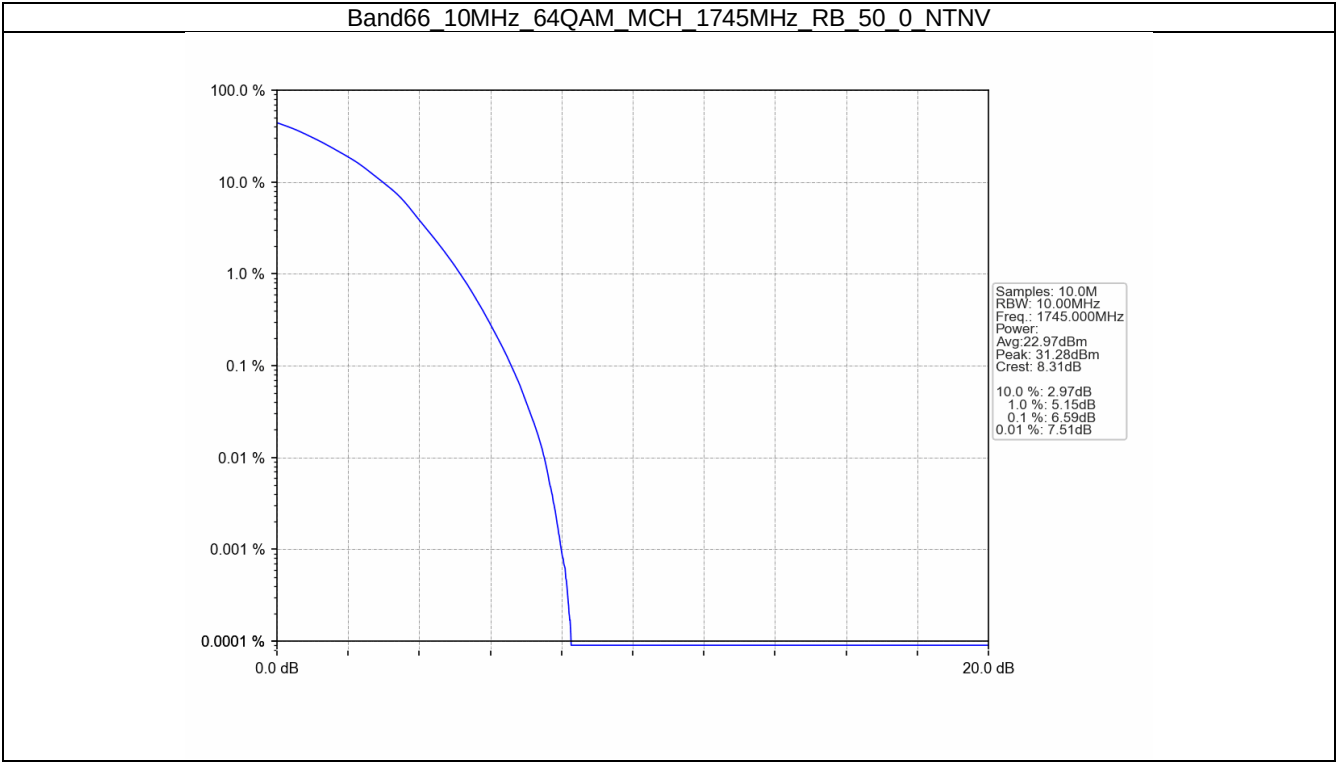


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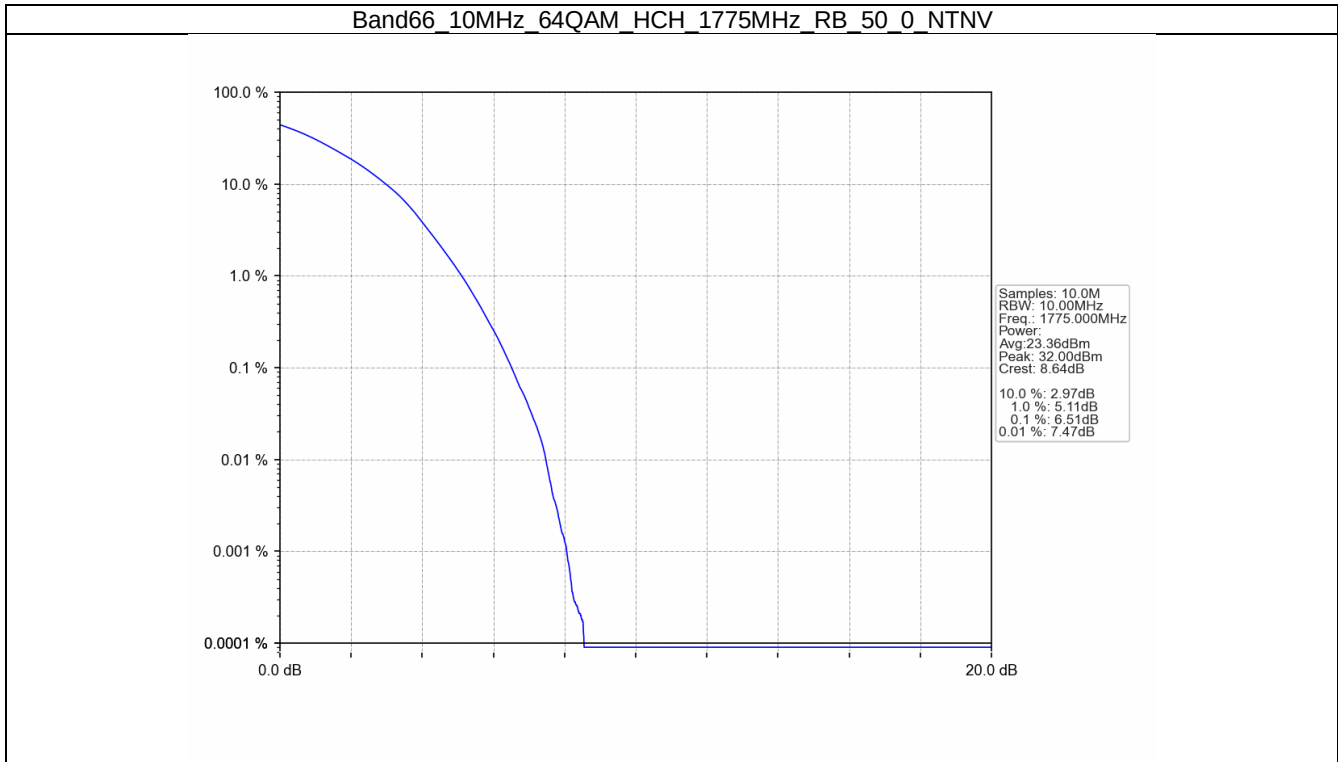


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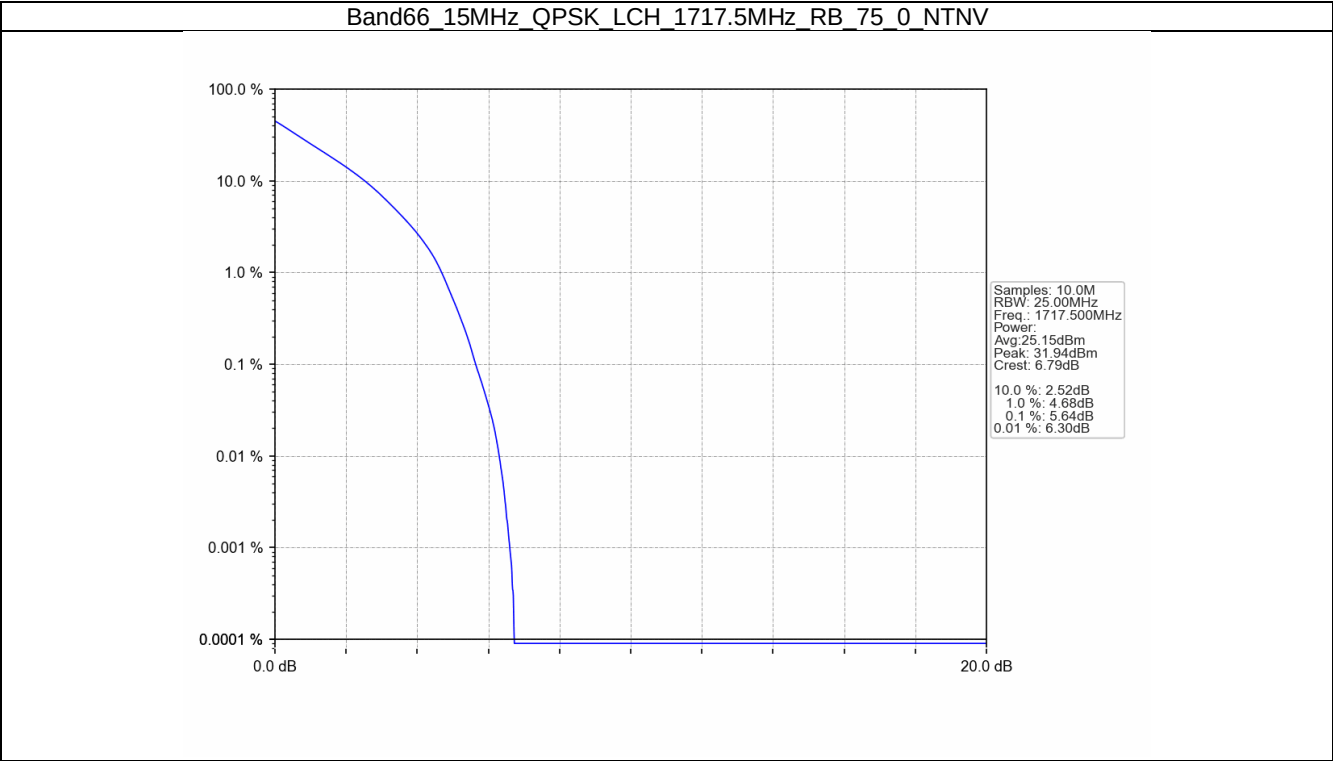
3.5 B66_15MHz

3.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.64	<=13	Pass
	1745	75	0	5.64	<=13	Pass
	1772.5	75	0	5.75	<=13	Pass
16QAM	1717.5	75	0	6.11	<=13	Pass
	1745	75	0	6.19	<=13	Pass
	1772.5	75	0	6.18	<=13	Pass
64QAM	1717.5	75	0	6.51	<=13	Pass
	1745	75	0	6.58	<=13	Pass
	1772.5	75	0	6.63	<=13	Pass



3.5.2 Test Graph





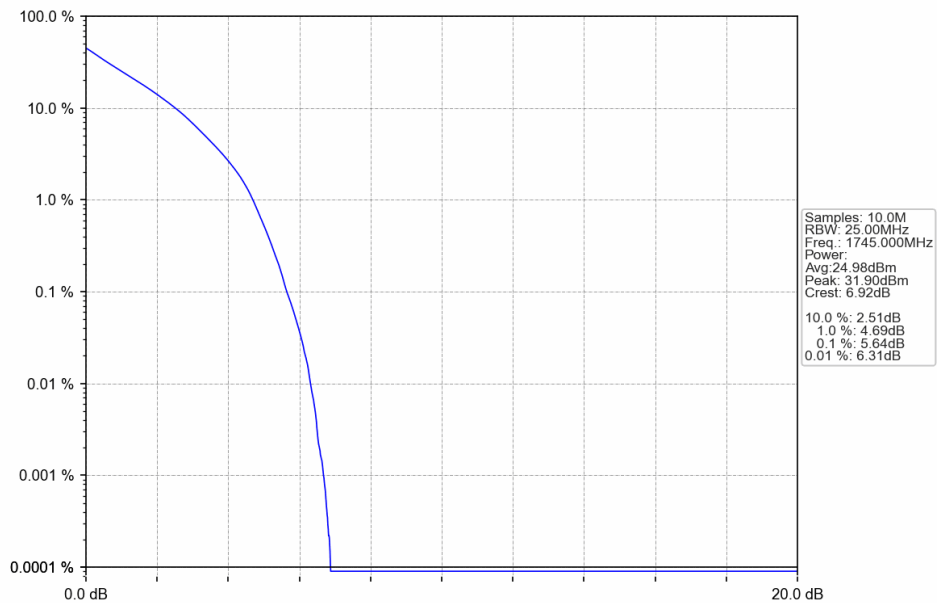
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Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



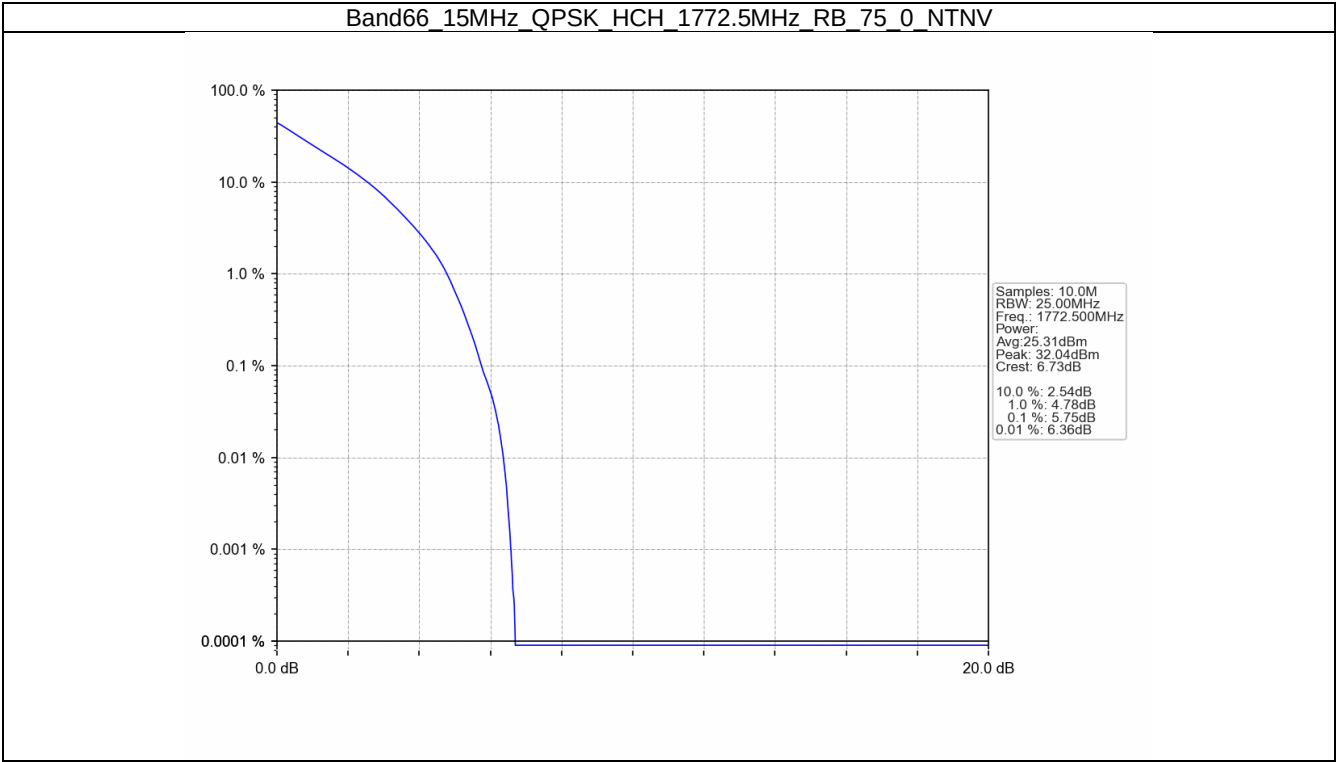


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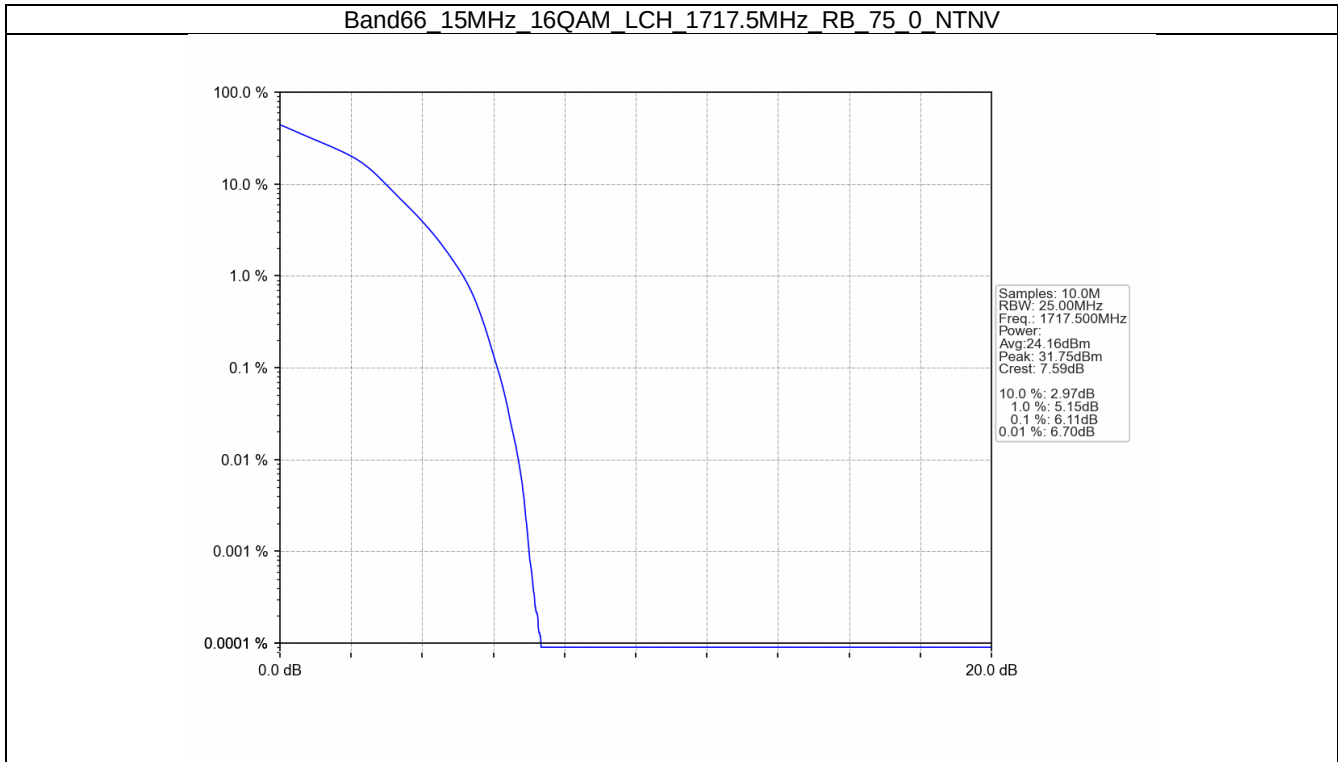


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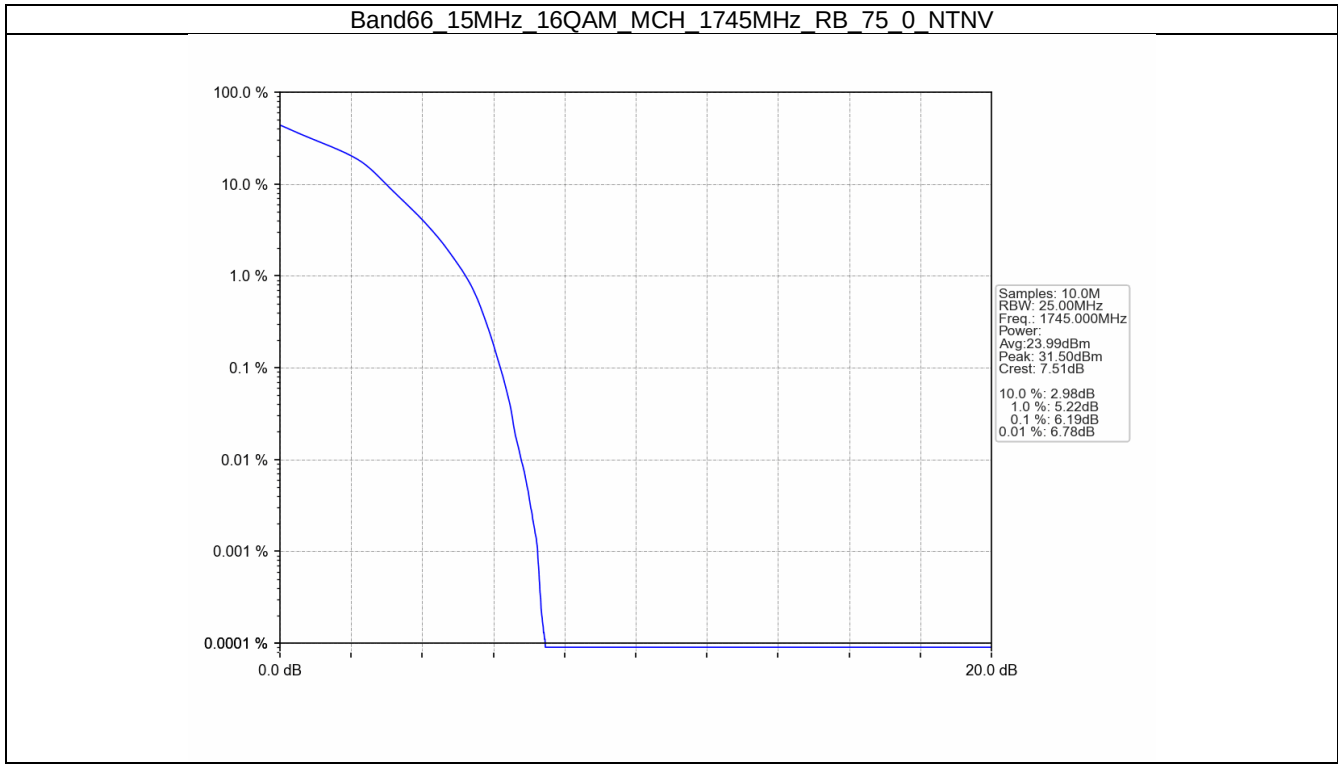


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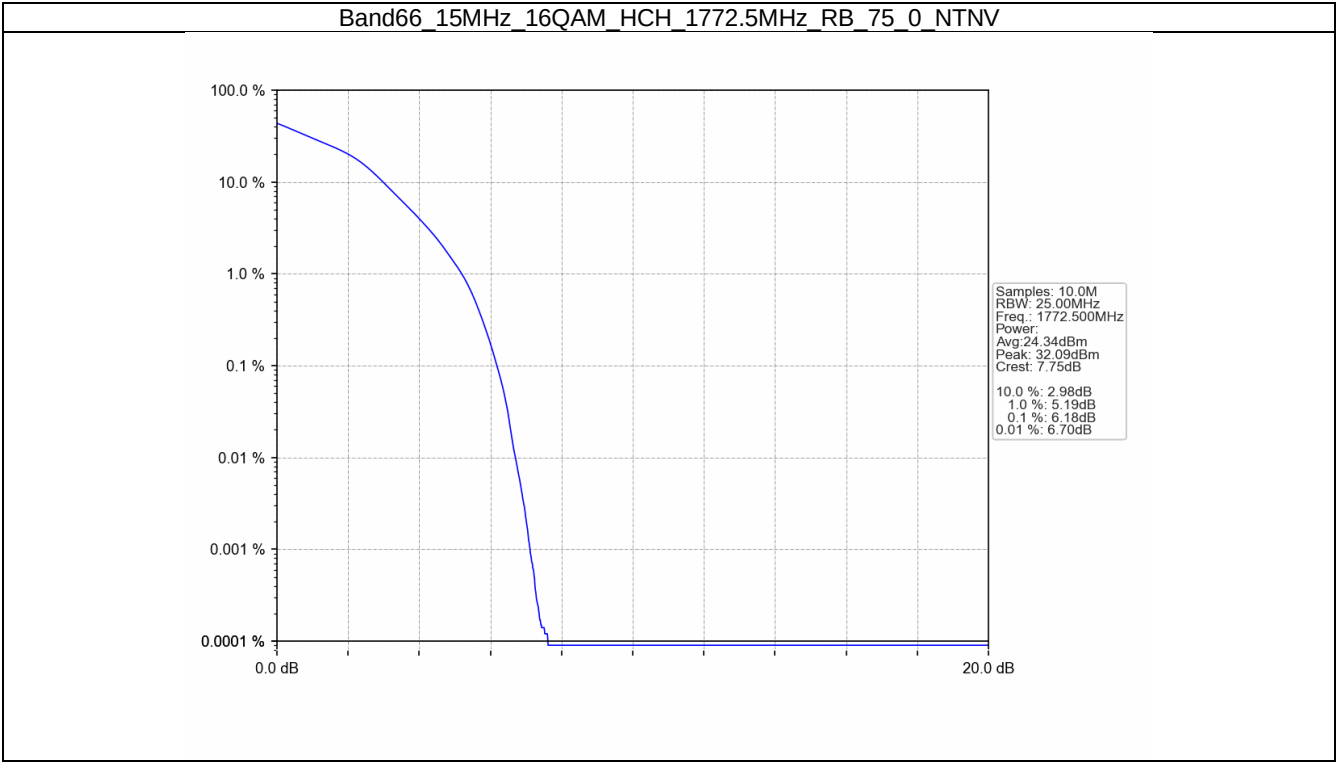


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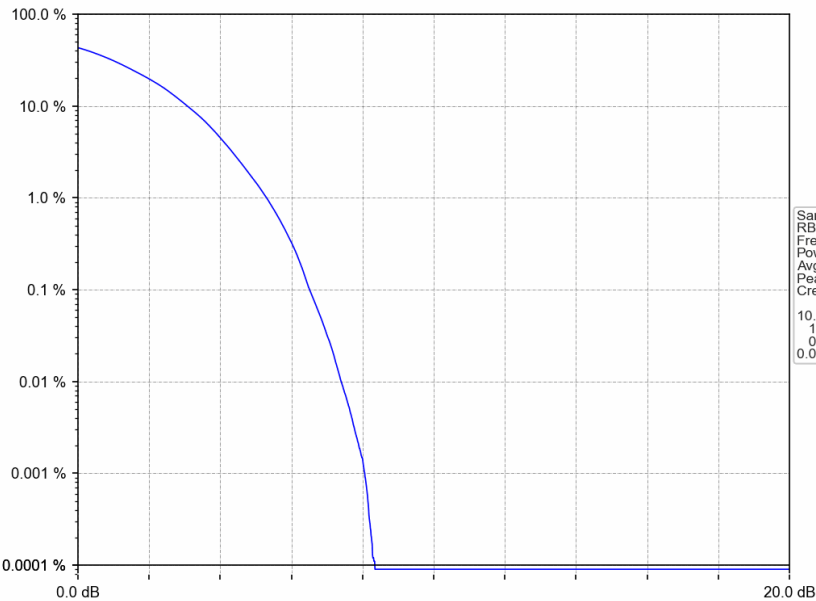
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Band66_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



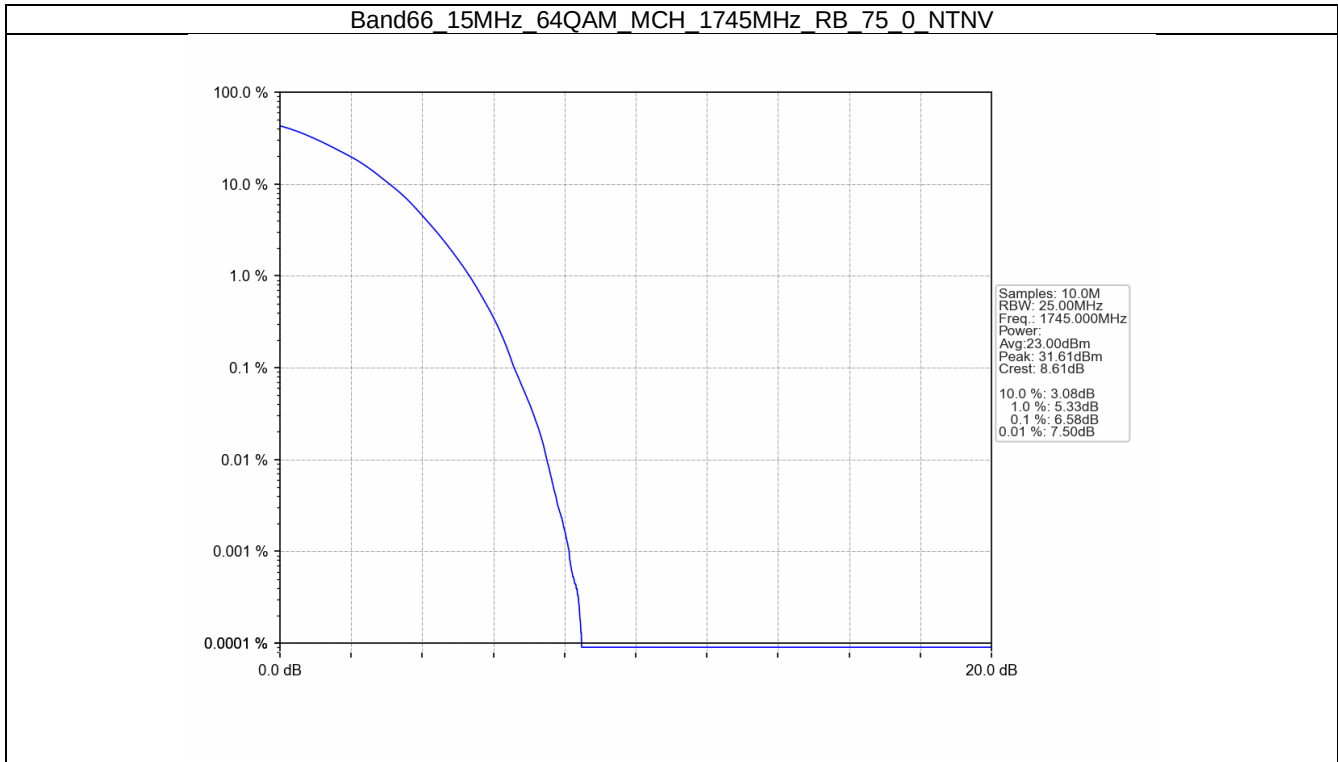


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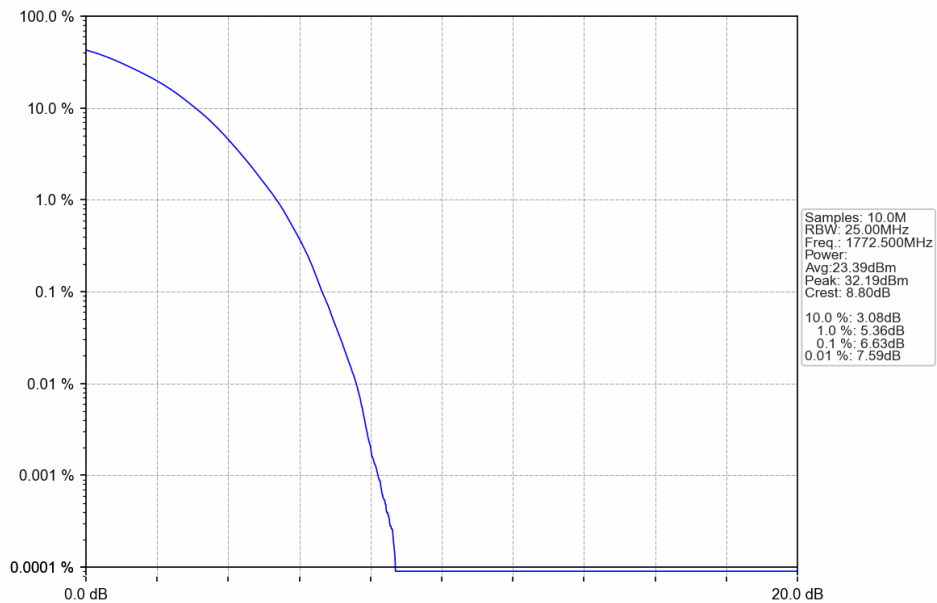
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Band66_15MHz_64QAM_HCH_1772.5MHz_RB_75_0_NTNV





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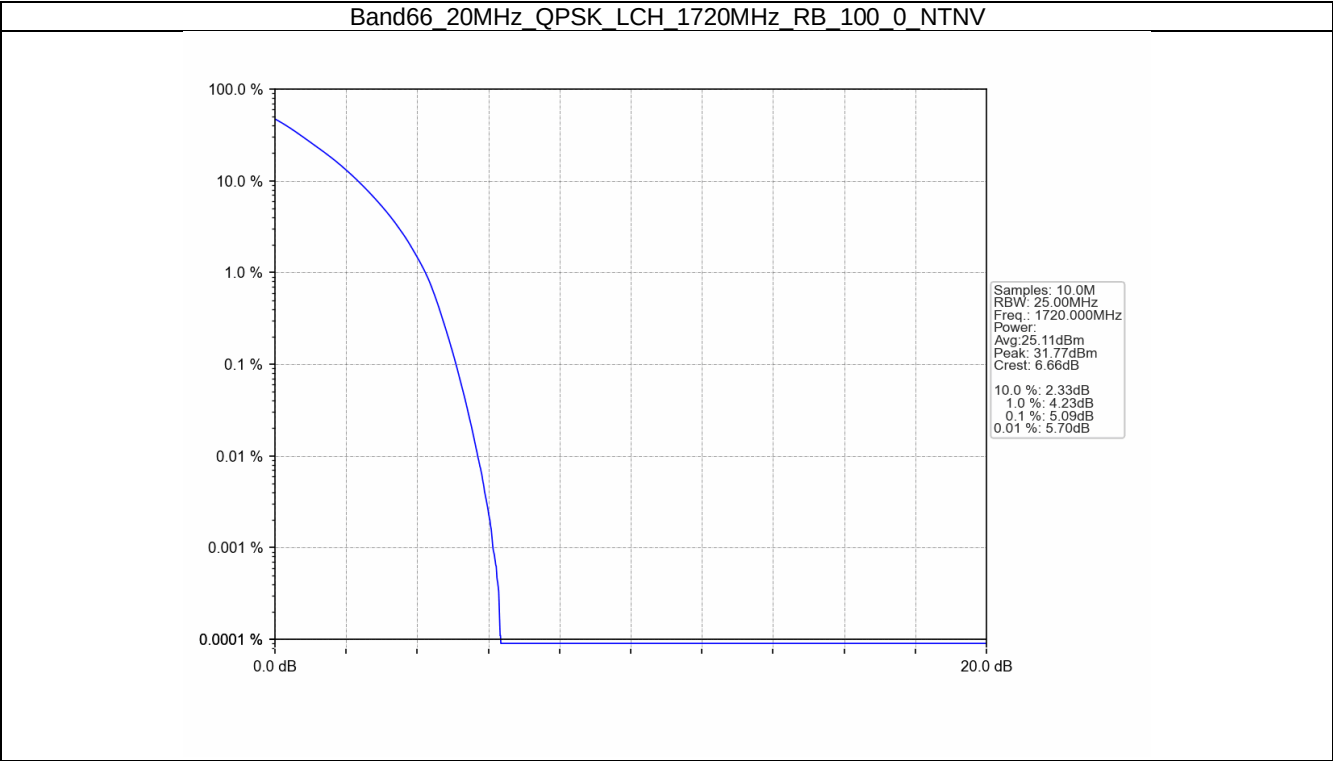
3.6 B66_20MHz

3.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.09	<=13	Pass
	1745	100	0	5.39	<=13	Pass
	1770	100	0	5.59	<=13	Pass
16QAM	1720	100	0	5.94	<=13	Pass
	1745	100	0	6.08	<=13	Pass
	1770	100	0	6.16	<=13	Pass
64QAM	1720	100	0	6.54	<=13	Pass
	1745	100	0	6.62	<=13	Pass
	1770	100	0	6.62	<=13	Pass



3.6.2 Test Graph



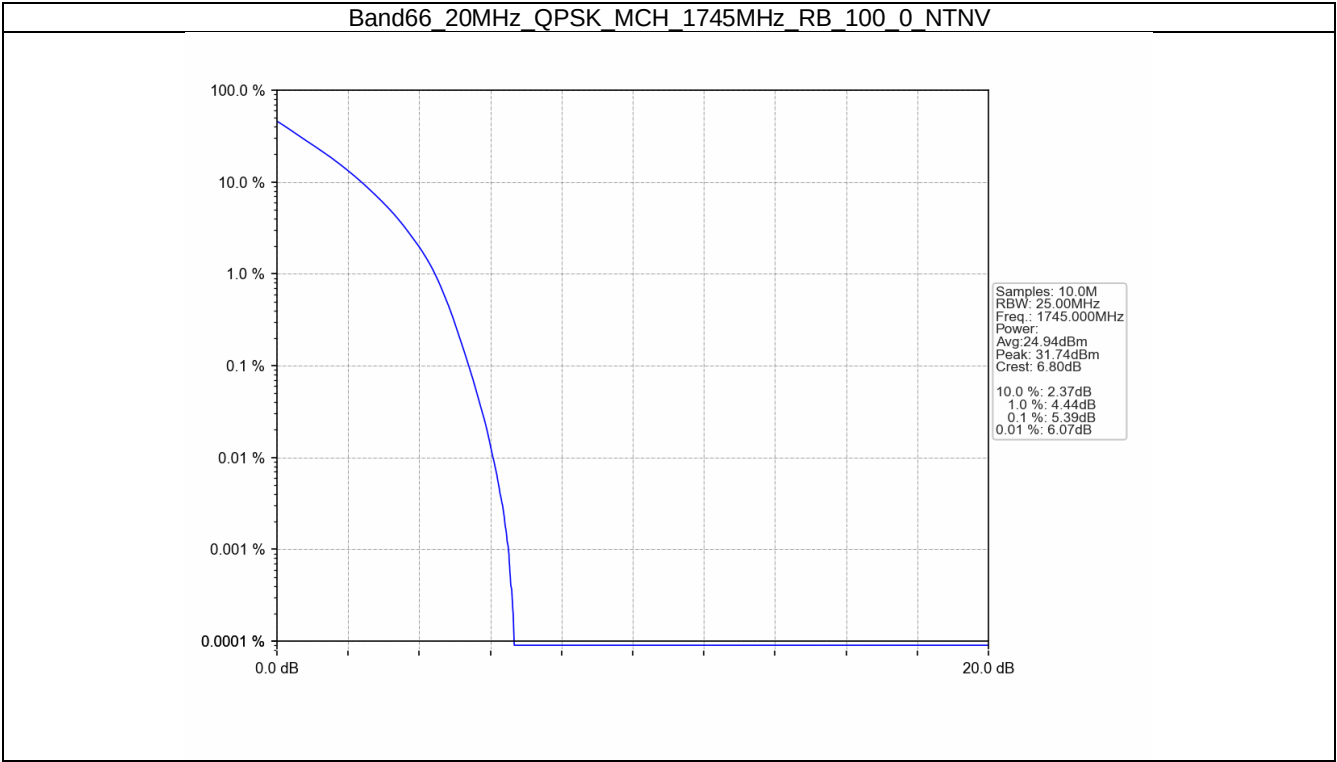


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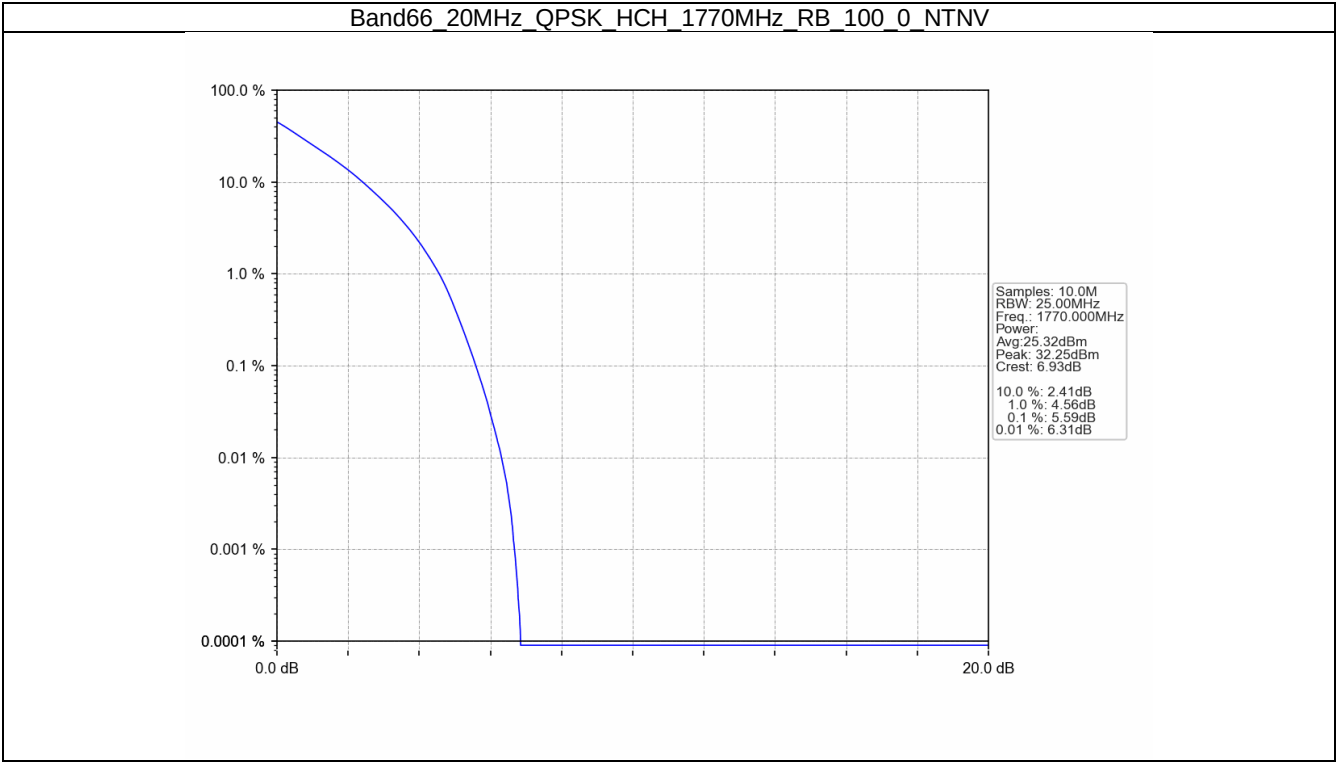


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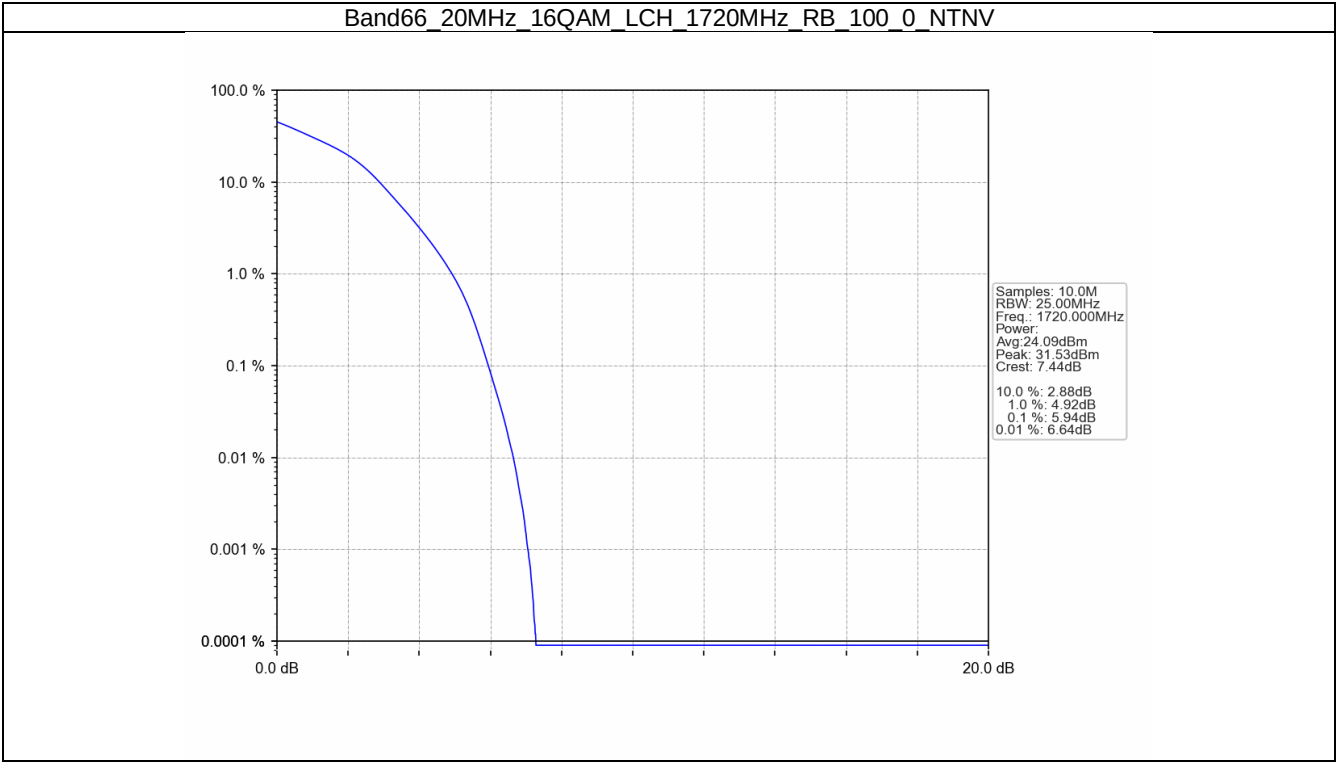


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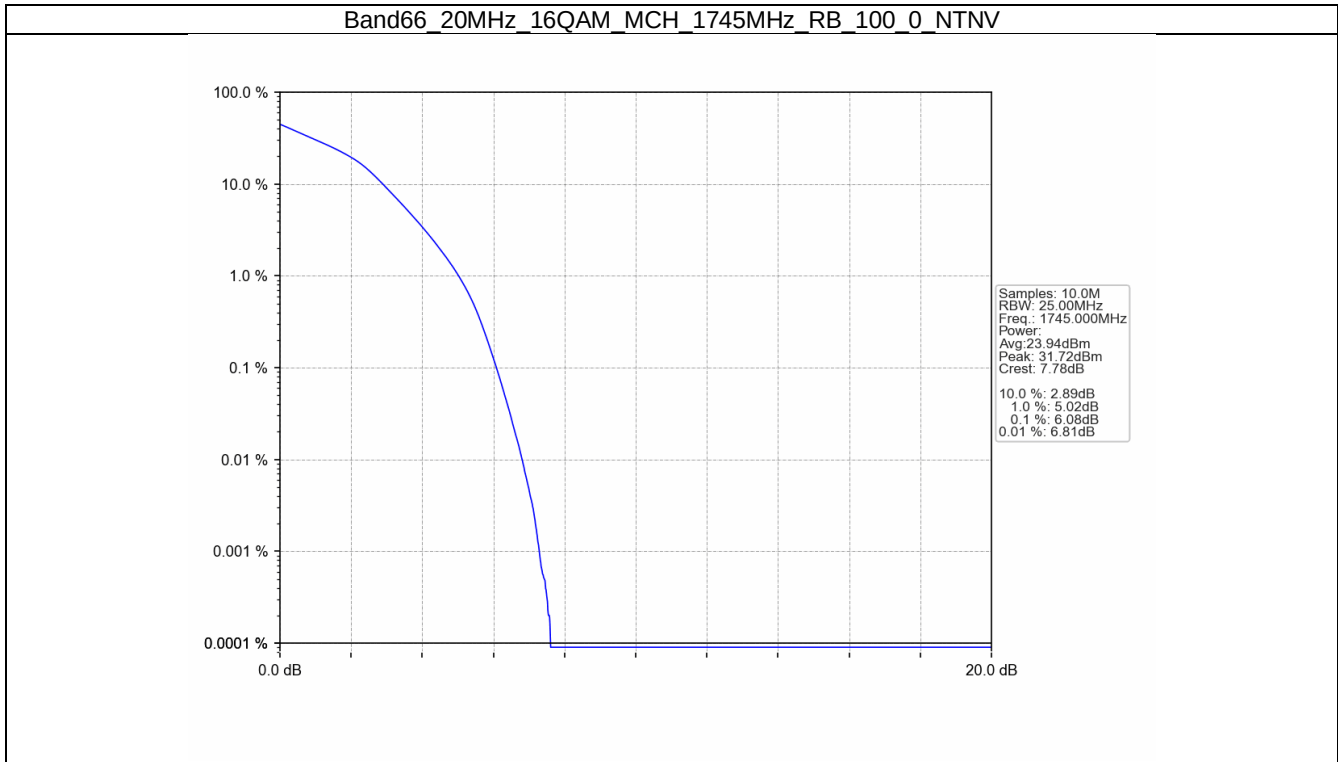


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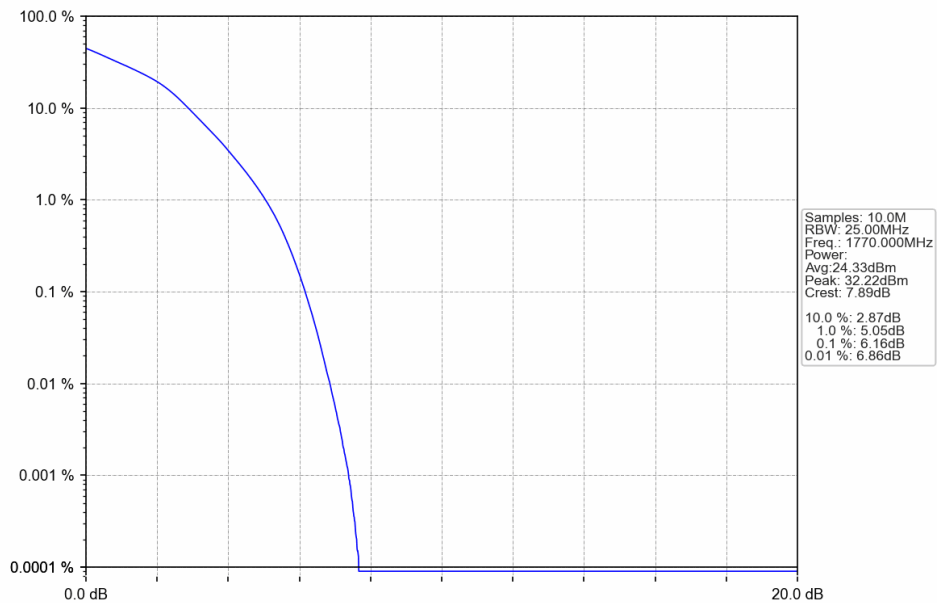
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Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



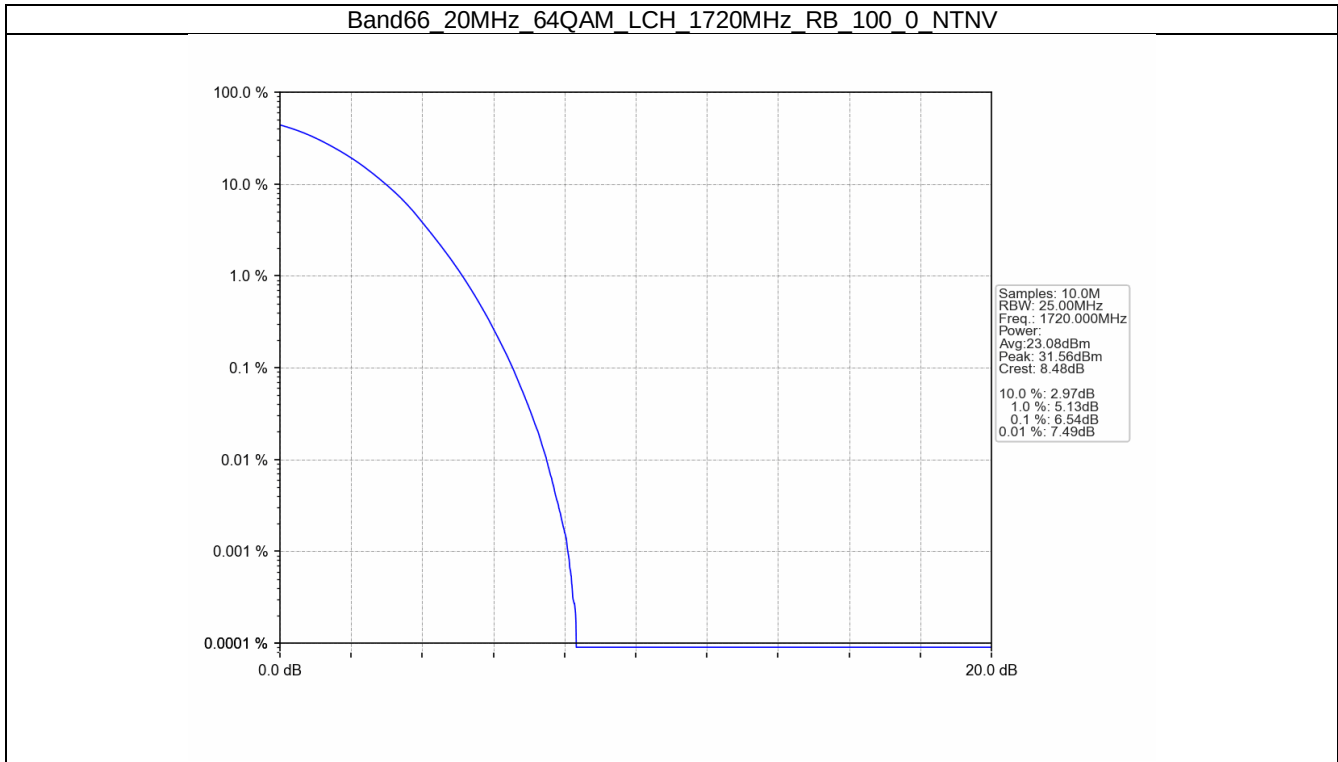


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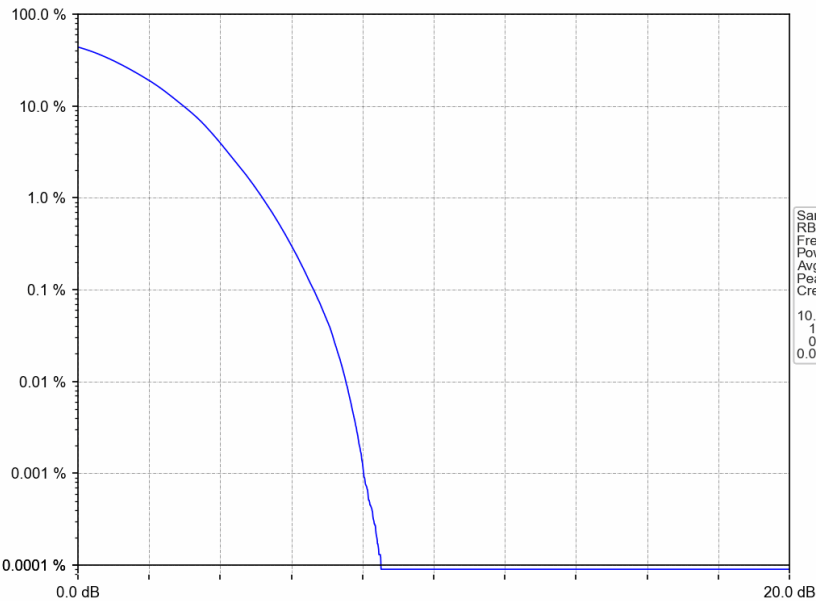
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Band66_20MHz_64QAM_MCH_1745MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 1745.000MHz
Power:
Avg: 22.96dBm
Peak: 31.60dBm
Crest: 8.64dB
10.0 %: 2.96dB
1.0 %: 5.19dB
0.1 %: 6.62dB
0.01 %: 7.53dB



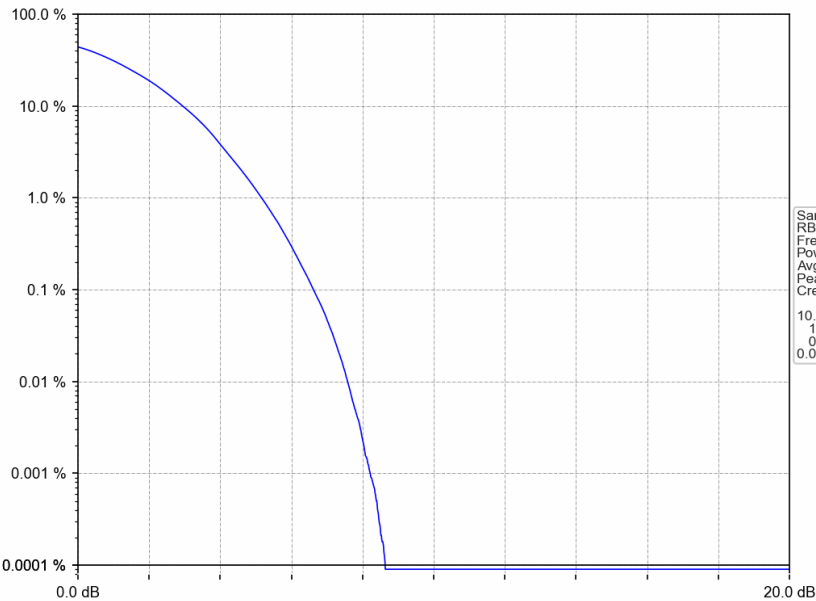
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Band66_20MHz_64QAM_HCH_1770MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 1770.000MHz
Power:
Avg: 23.38dBm
Peak: 32.19dBm
Crest: 8.81dB
10.0 %: 2.94dB
1.0 %: 5.16dB
0.1 %: 6.62dB
0.01 %: 7.58dB



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4. Spurious Emission & Band Edges

4.1 B66_1.4MHz

4.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
64QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass



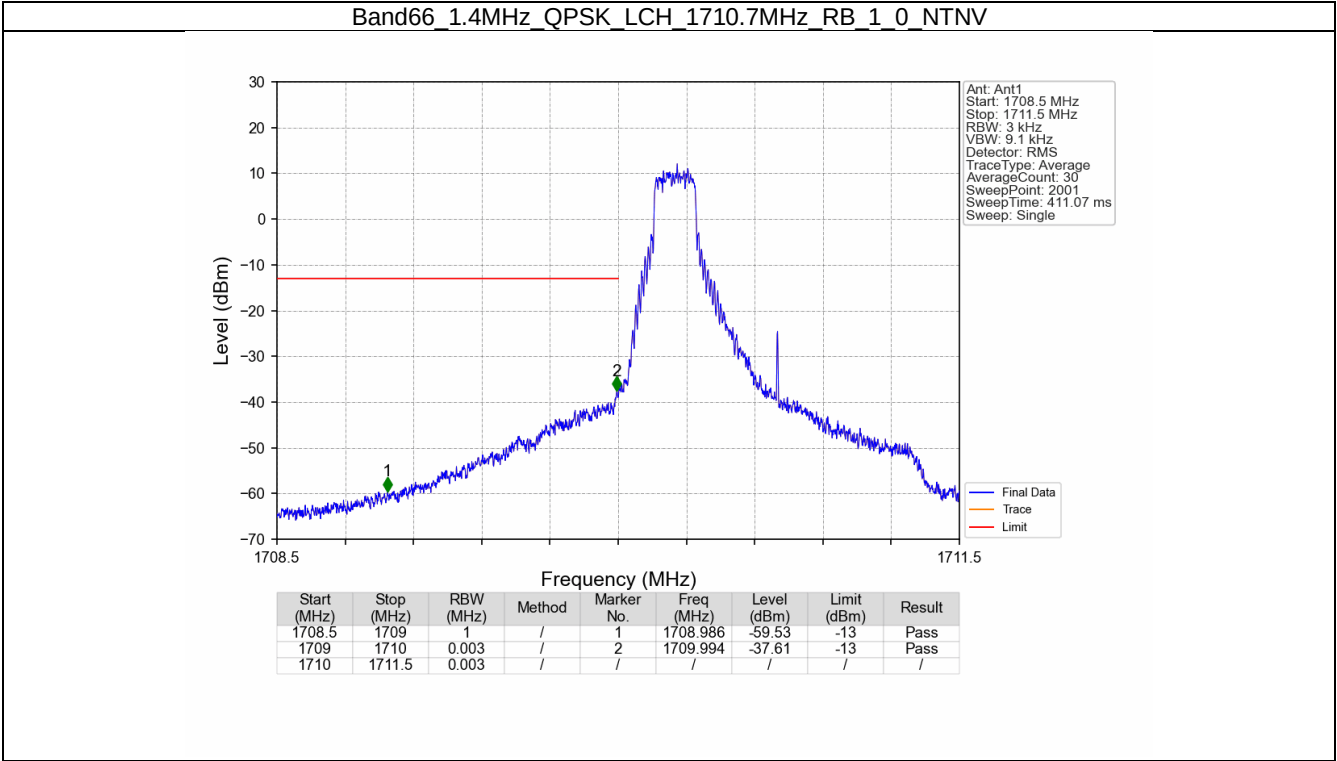
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4.1.2 Test Graph



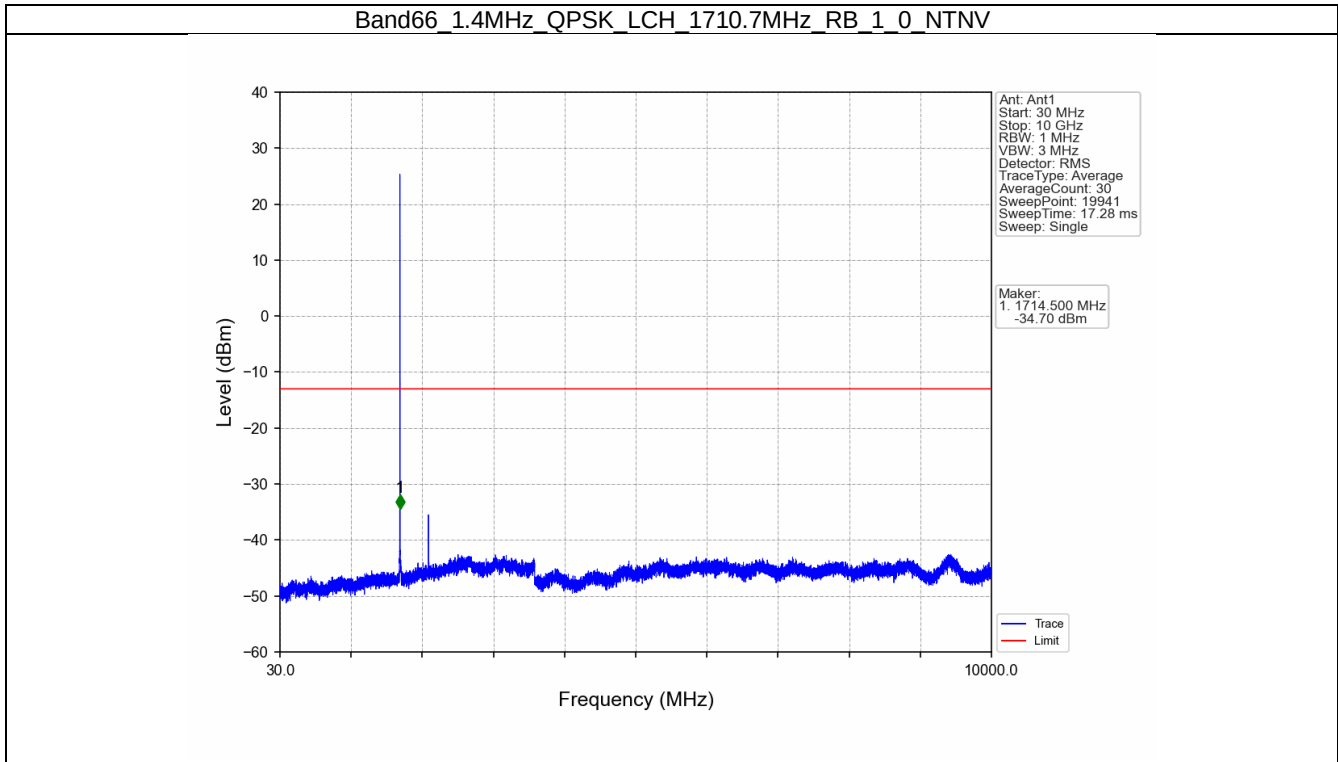


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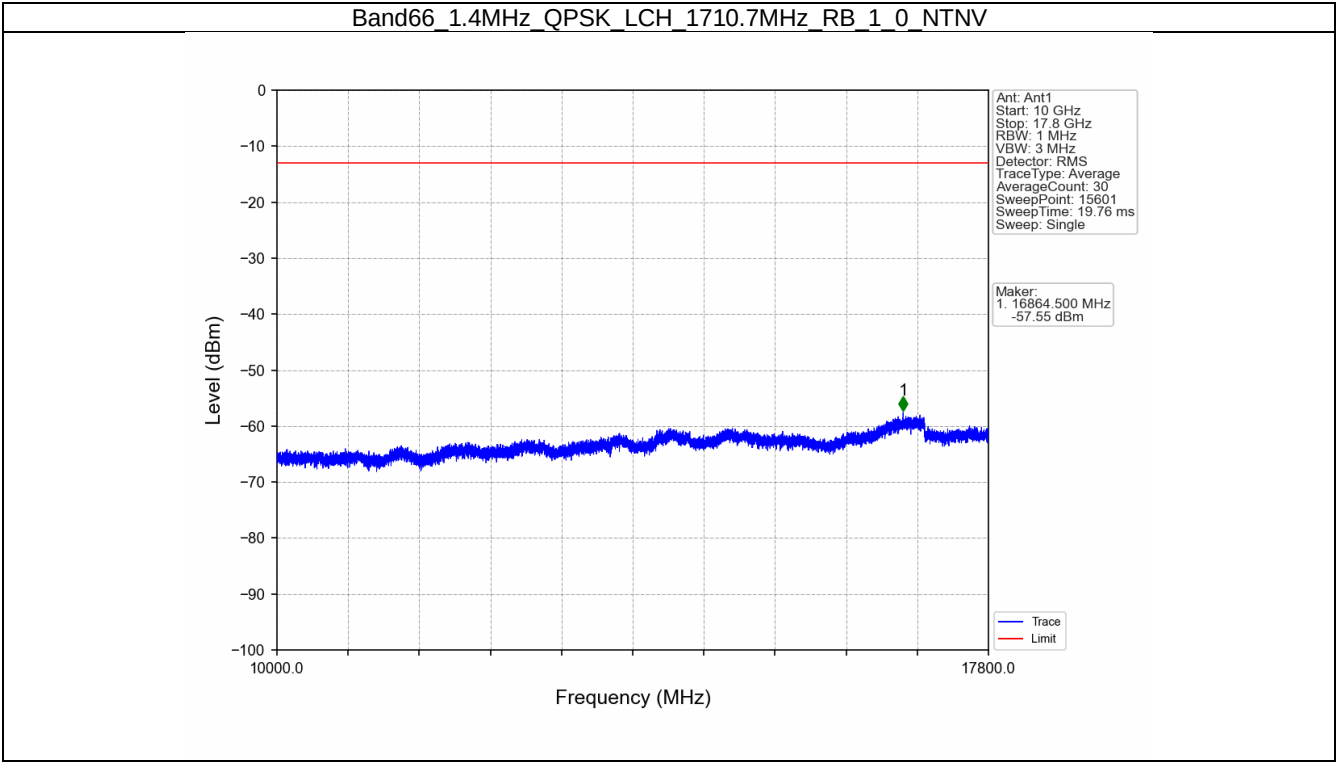


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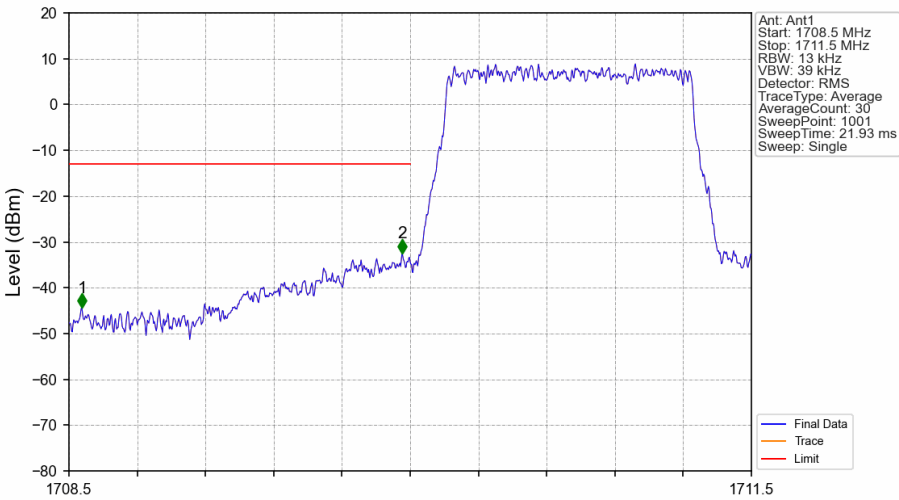
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Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.557	-44.43	-13	Pass
1709	1710	0.013	/	2	1709.964	-32.50	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

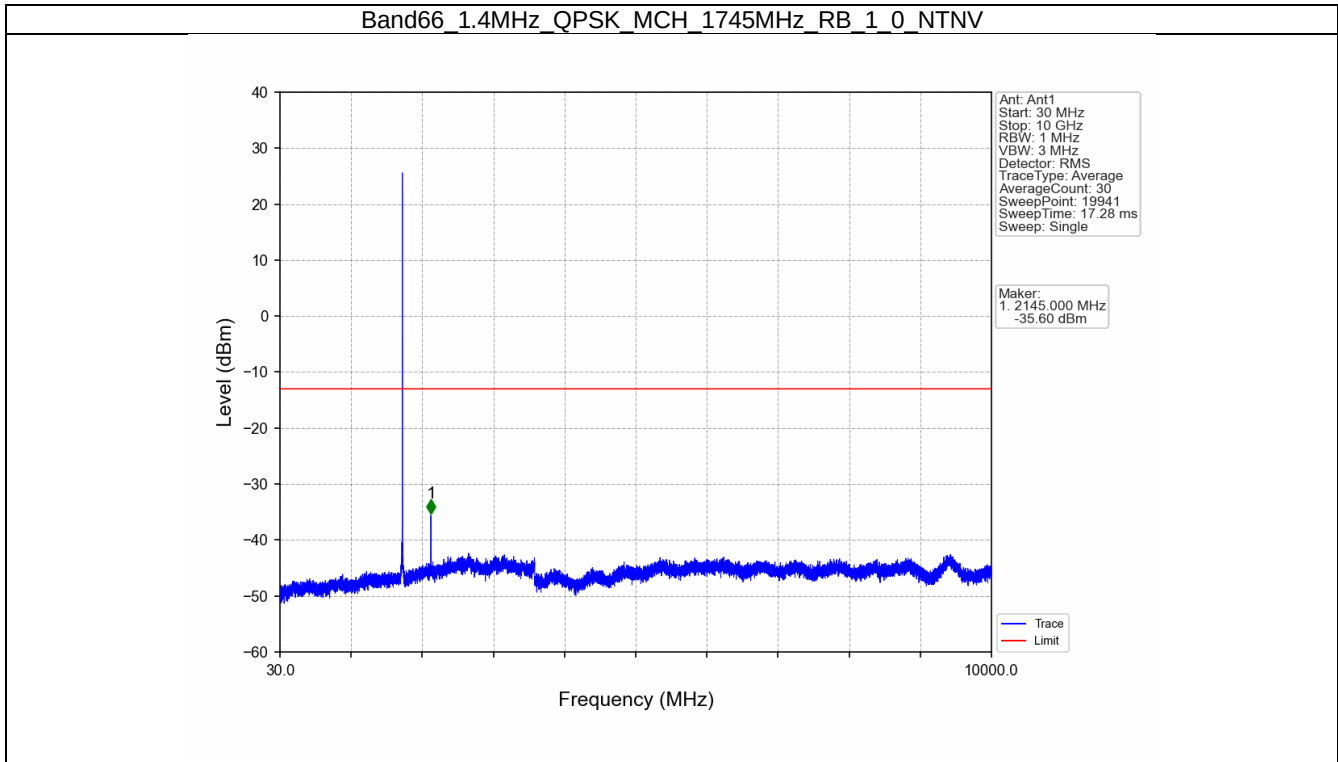


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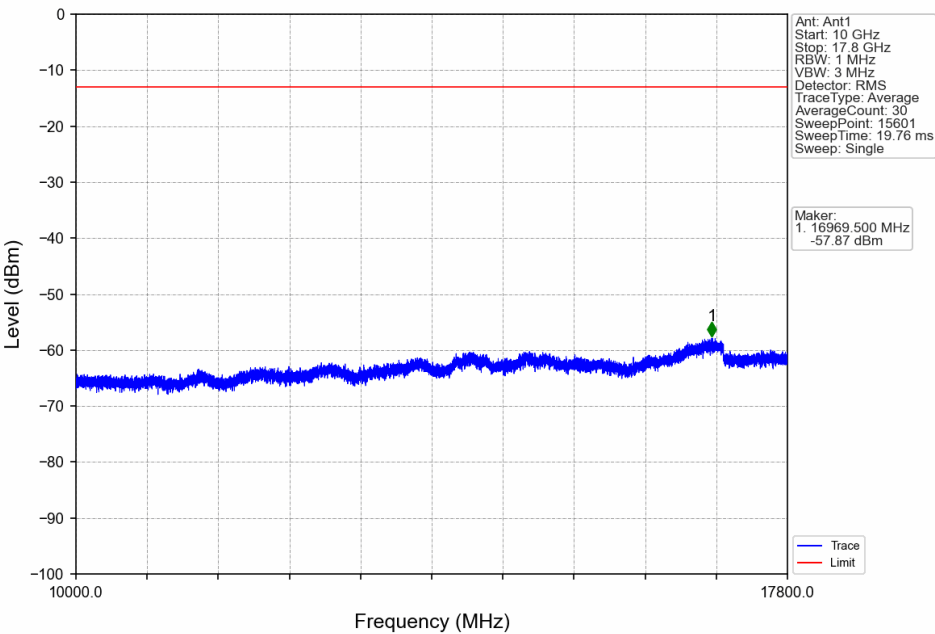
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Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



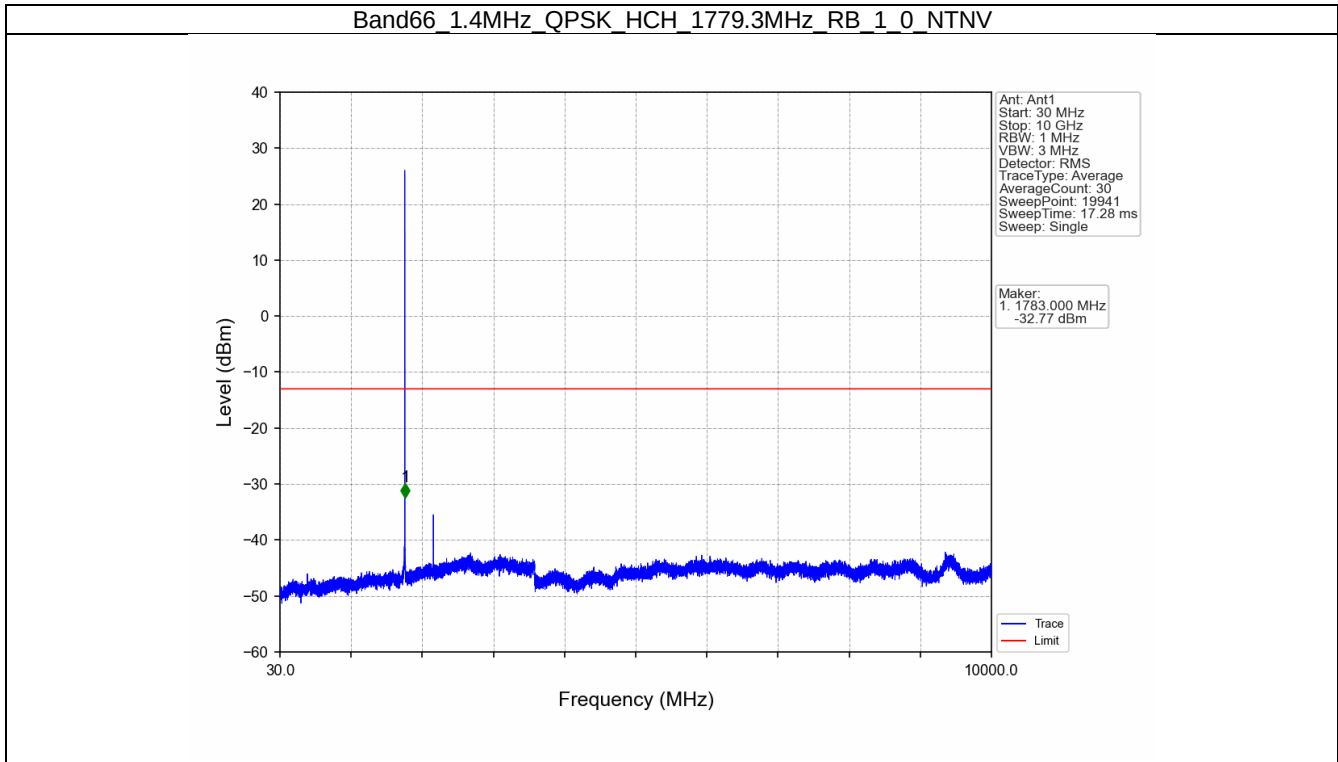


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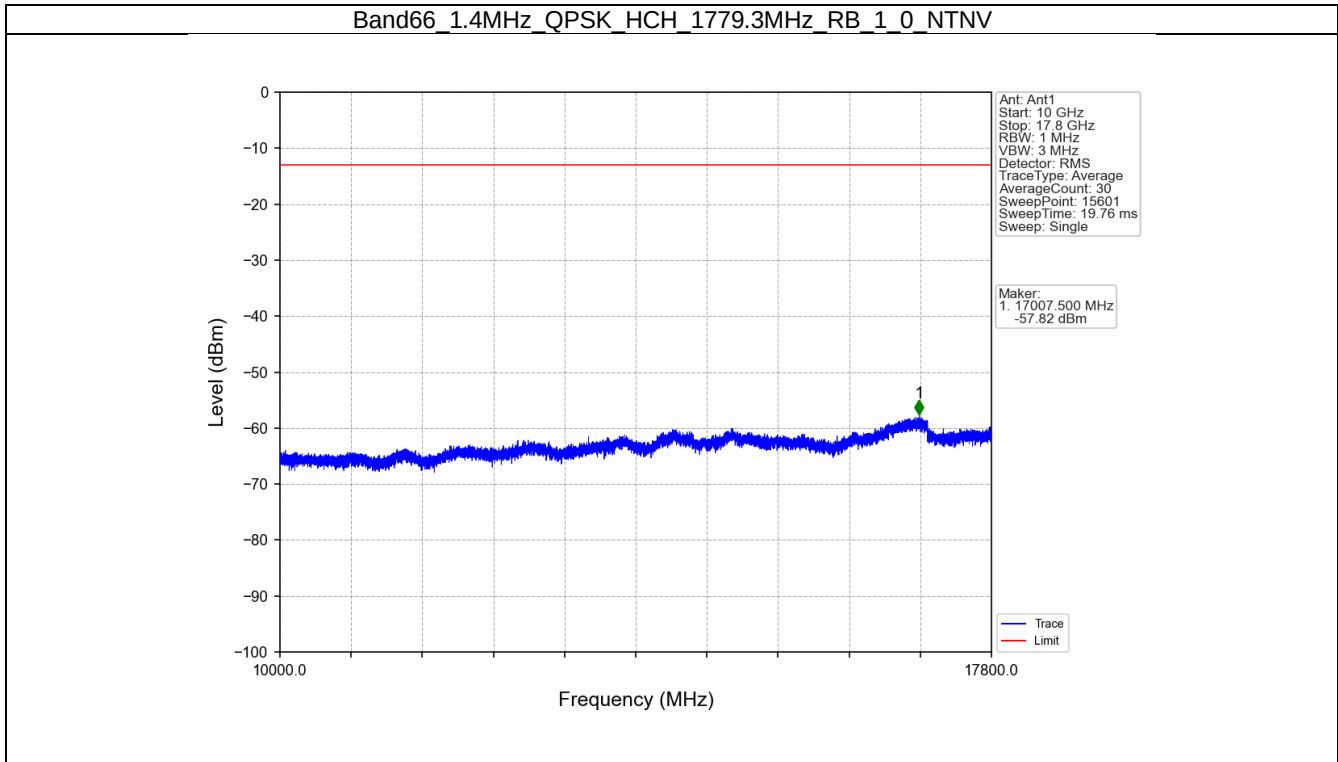


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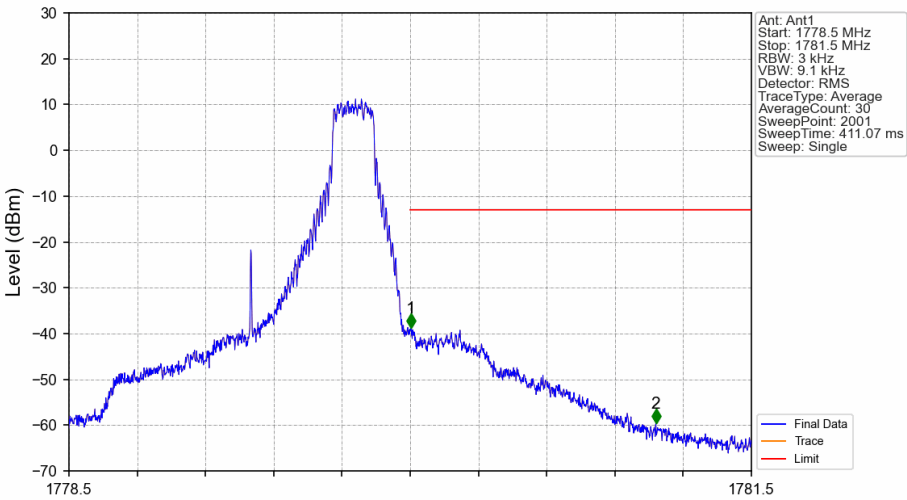
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Band66 1.4MHz QPSK HCH 1779.3MHz RB 1 5 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1778.5	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.003	-38.73	-13	Pass
1781	1781.5	1	/	2	1781.080	-59.63	-13	Pass



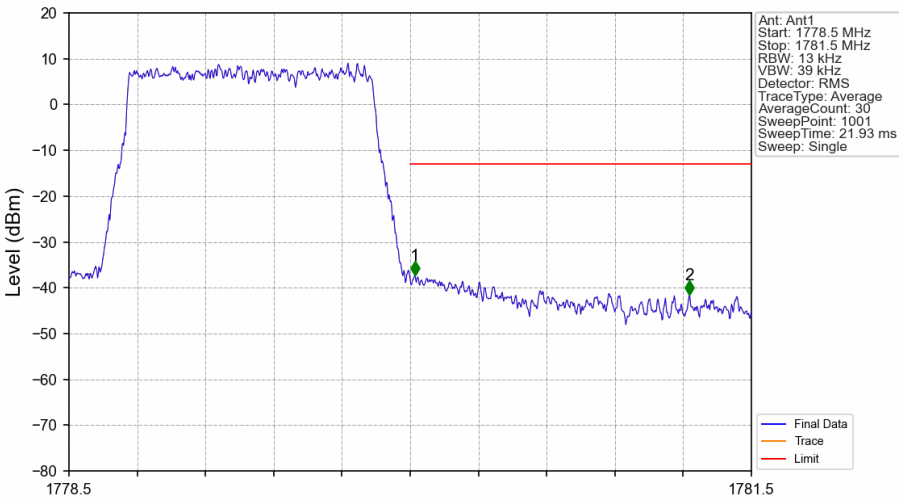
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Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1778.5	1780	0.013	/	/	/	/	/	/
1780	1781	0.013	/	1	1780.021	-37.30	-13	Pass
1781	1781.5	1	/	2	1781.227	-41.52	-13	Pass