-60

-70

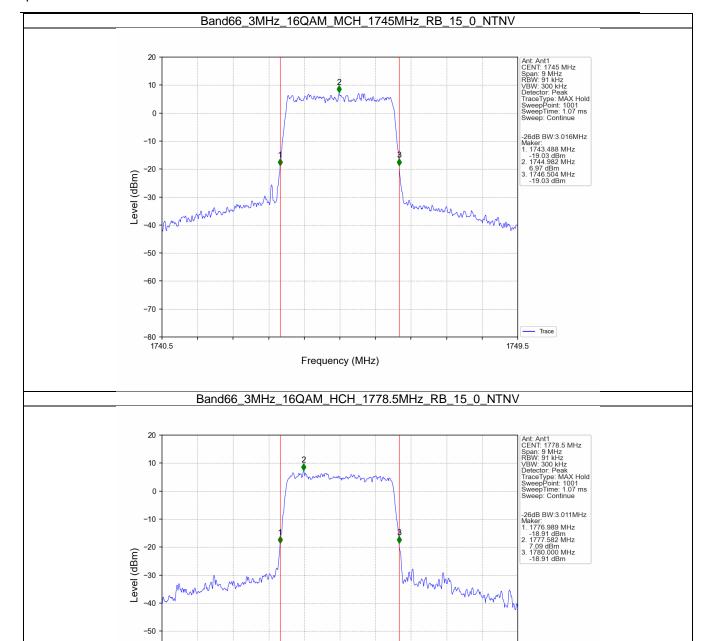
-80 | 1774.0

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IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100

--- Trace

1783.0



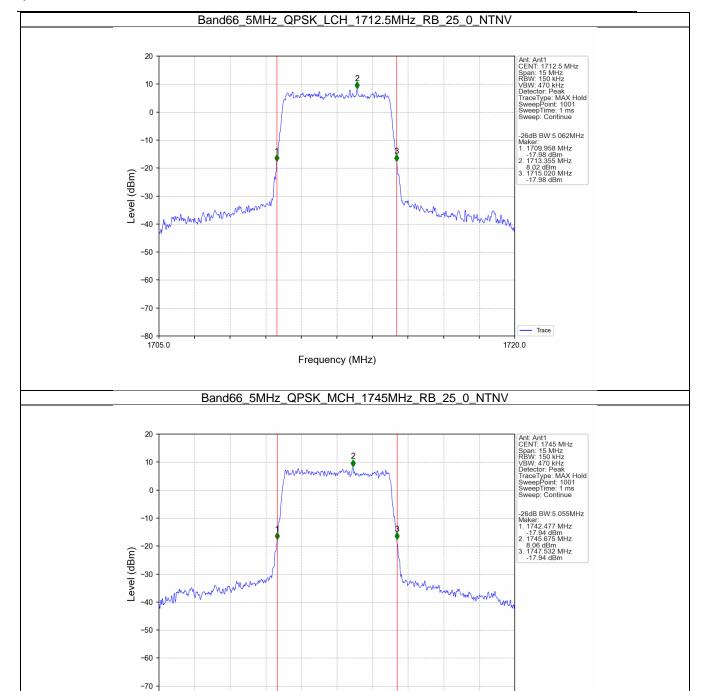
-80 ↓ 1737.5

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IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100

- Trace

1752.5

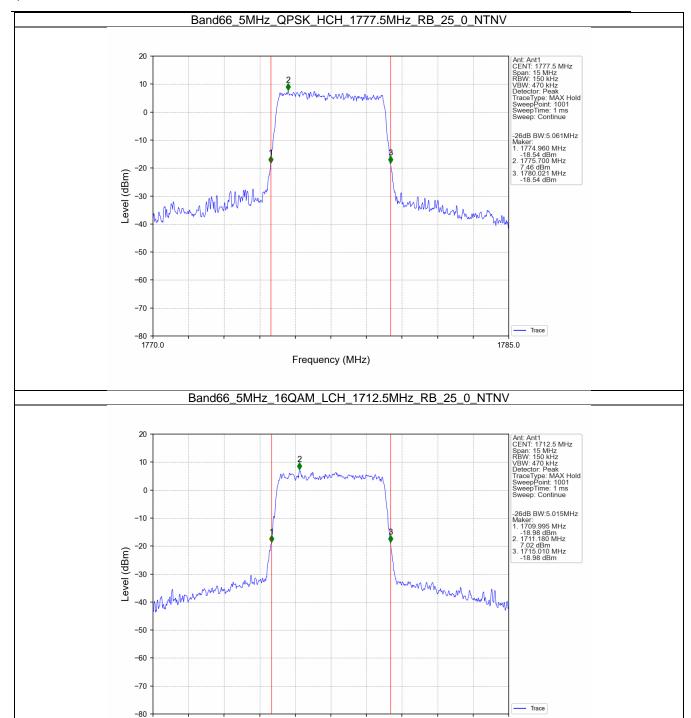


1705.0

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1720.0



-50

-60

-70

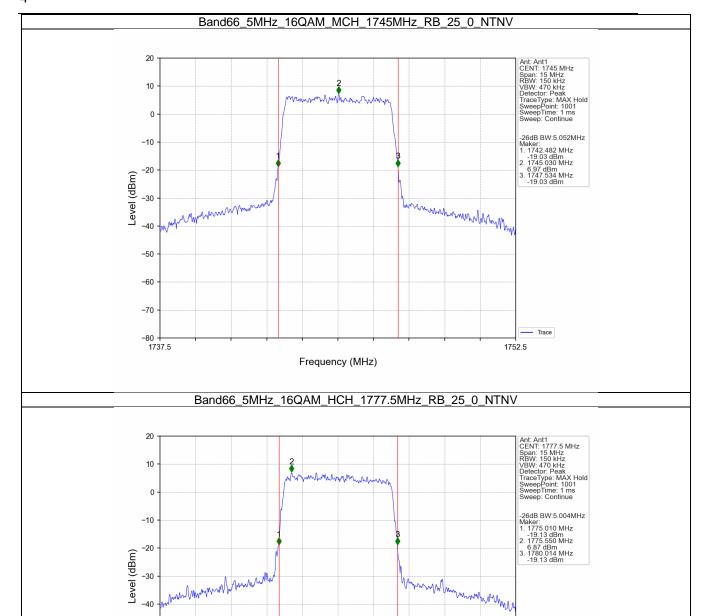
-80 | 1770.0

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IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100

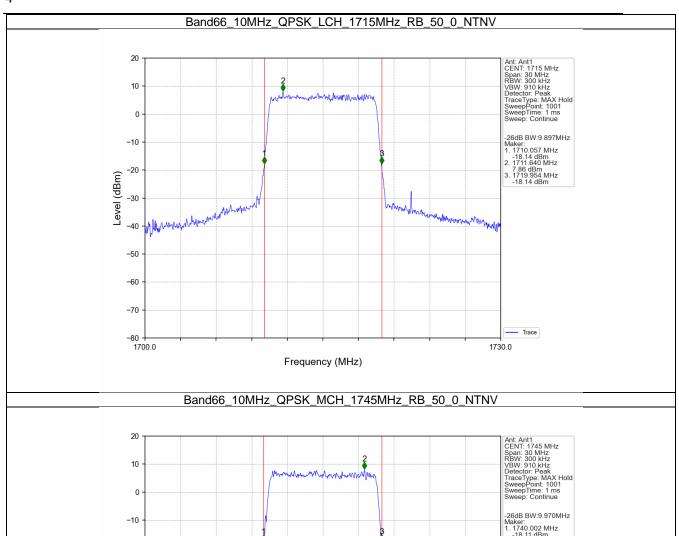
--- Trace

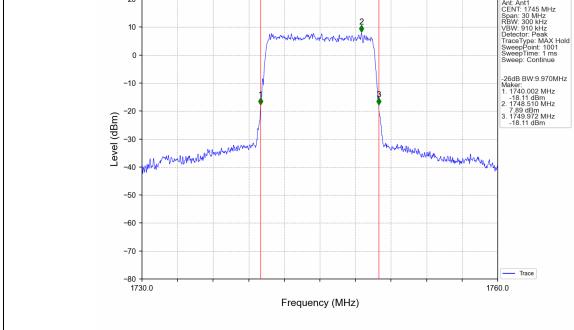
1785.0



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IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100





-40

-50

-60

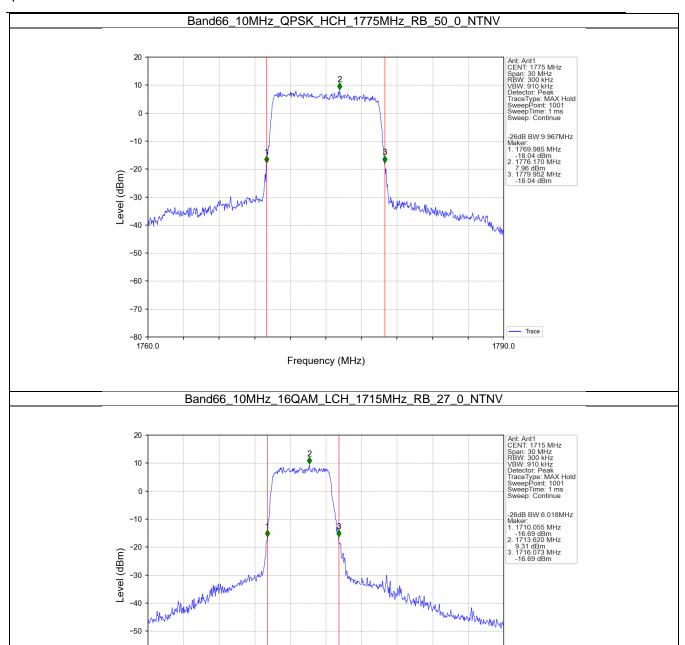
-70

-80 -1700.0 Page 51 of 138

IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100

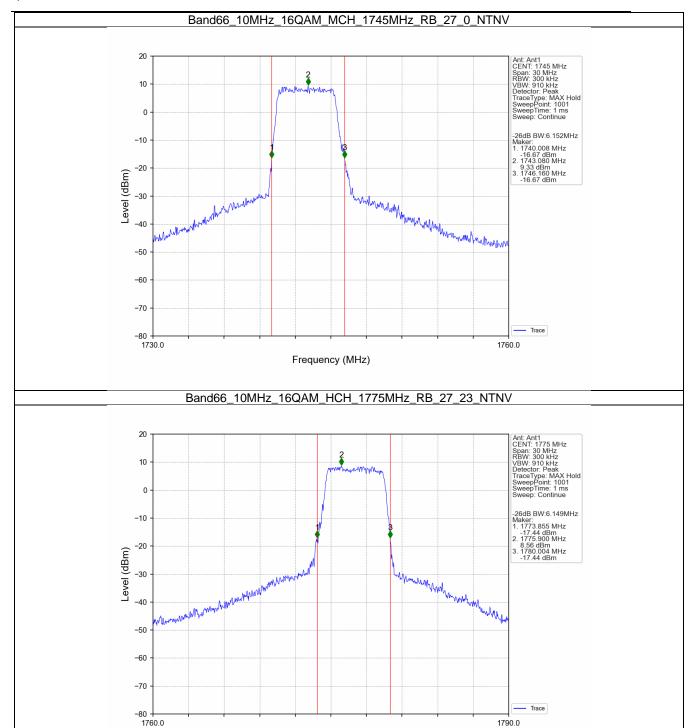
--- Trace

1730.0



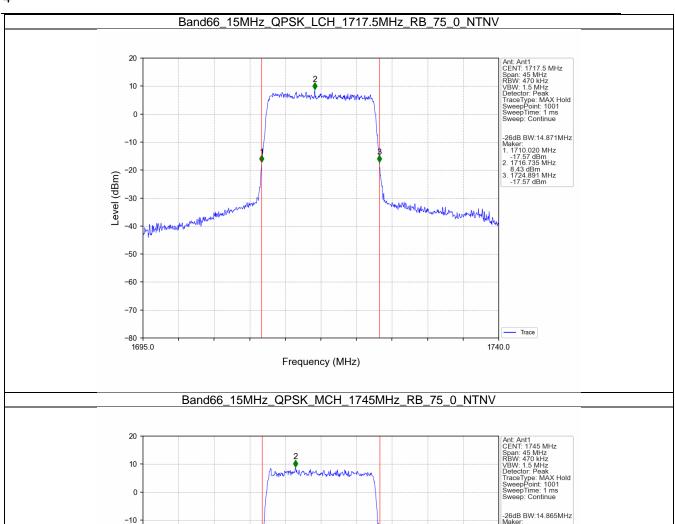
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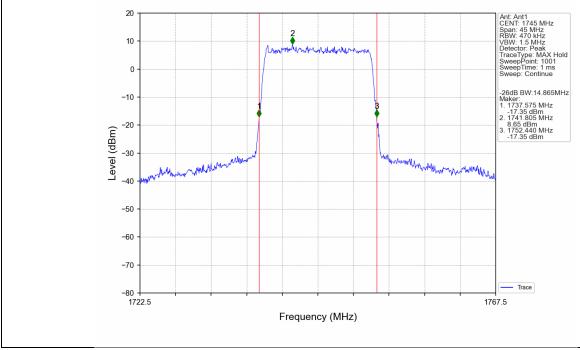
IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100



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IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100





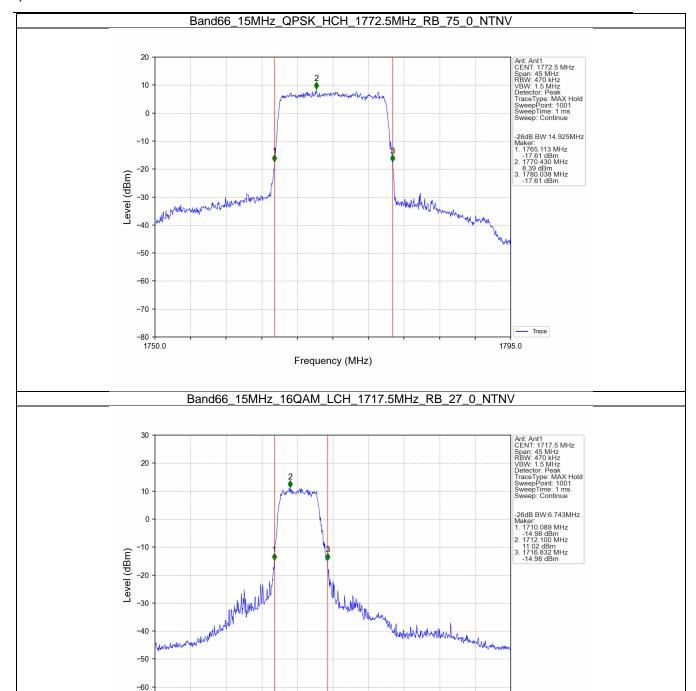
-70 | 1695.0

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IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100

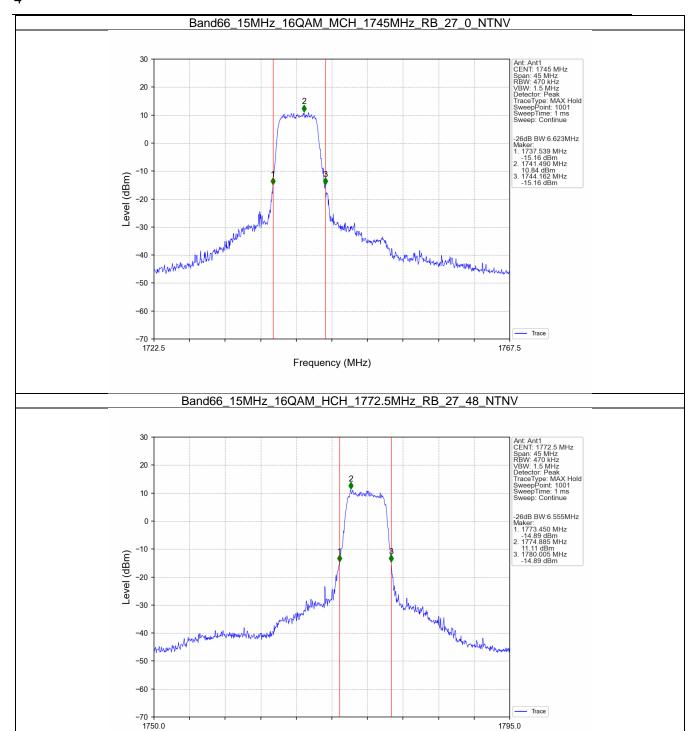
--- Trace

1740.0



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IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100



-60

-70

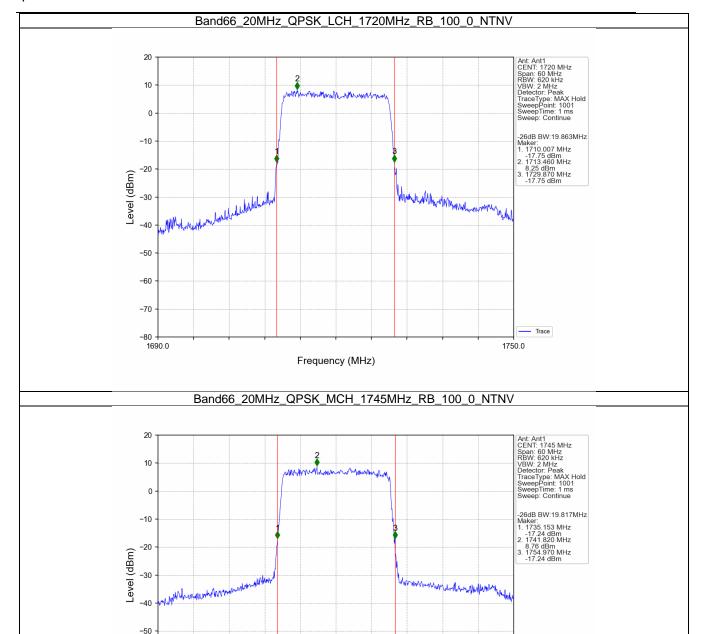
-80 | 1715.0

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IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100

--- Trace

1775.0



-60

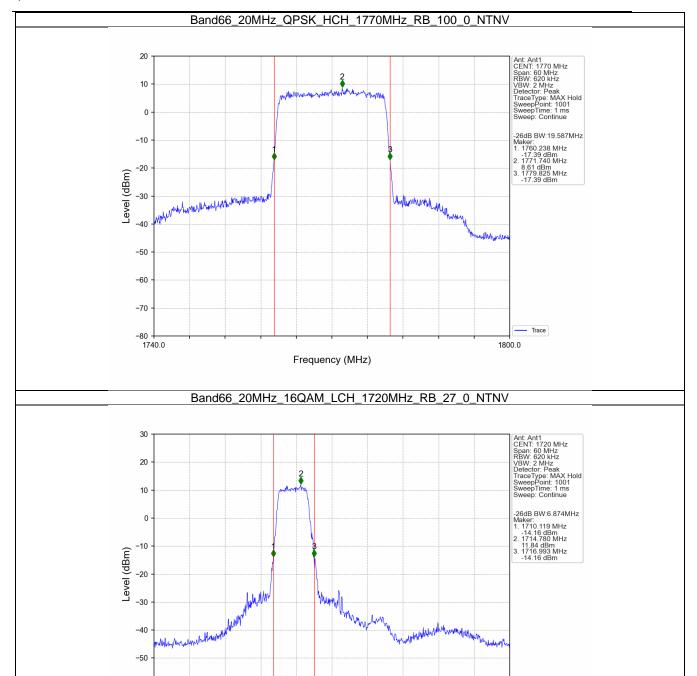
-70 | 1690.0

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IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100

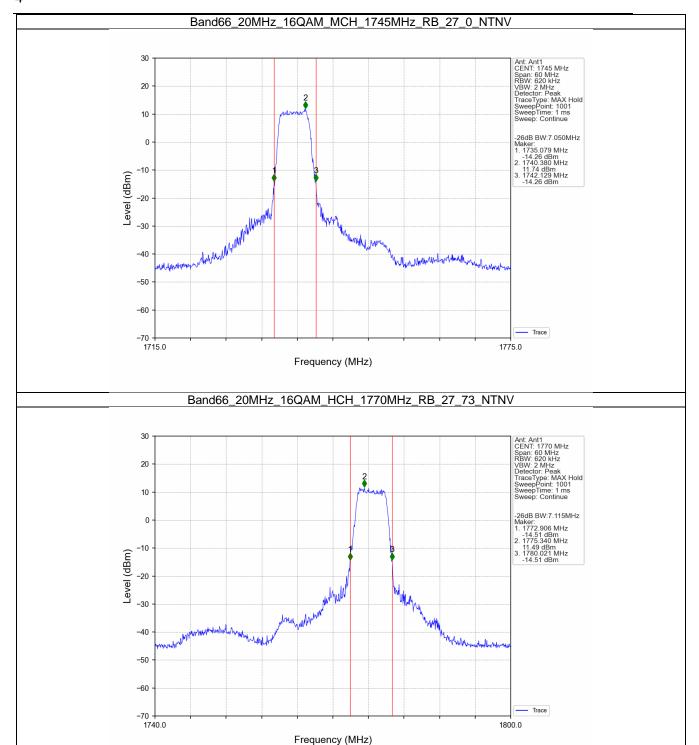
- Trace

1750.0



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IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100





5. Peak-Average Ratio

5.1 Test Result

5.1.1 B66_1.4MHz

		Band	d: 66 / Bandwidth:	1.4MHz / NTNV		
Modulation	Frequency	RB Allo	ocation	Peak-Average Ratio (dB)		Verdict
Modulation	(MHz)	Size	Offset	Result	Limit	verdict
	1710.7	6	0	5.59	<=13	Pass
QPSK	1745	6	0	5.71	<=13	Pass
	1779.3	6	0	5.67	<=13	Pass
	1710.7	6	0	6.44	<=13	Pass
16QAM	1745	6	0	6.47	<=13	Pass
	1779.3	6	0	6.39	<=13	Pass

5.1.2 B66_3MHz

		Ban	d: 66 / Bandwidt	h: 3MHz / NTNV		
Modulation	Frequency	RB Allocation		Peak-Avera	ge Ratio (dB)	\
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict
	1711.5	15	0	5.83	<=13	Pass
QPSK	1745	15	0	5.87	<=13	Pass
	1778.5	15	0	5.76	<=13	Pass
	1711.5	15	0	6.63	<=13	Pass
16QAM	1745	15	0	6.69	<=13	Pass
	1778.5	15	0	6.60	<=13	Pass

5.1.3 B66_5MHz

		Ban	d: 66 / Bandwidt	h: 5MHz / NTNV		
Madulation	Frequency	RB Allocation		Peak-Averag	Peak-Average Ratio (dB)	
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict
	1712.5	25	0	5.85	<=13	Pass
QPSK	1745	25	0	5.85	<=13	Pass
	1777.5	25	0	5.81	<=13	Pass
	1712.5	25	0	6.55	<=13	Pass
16QAM	1745	25	0	6.62	<=13	Pass
	1777.5	25	0	6.54	<=13	Pass

5.1.4 B66_10MHz

		Band	d: 66 / Bandwidth	n: 10MHz / NTNV		
Madulation	Frequency	RB Allocation		Peak-Average Ratio (dB)		\/l' - t
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict
	1715	50	0	5.78	<=13	Pass
QPSK	1745	50	0	5.80	<=13	Pass
	1775	50	0	5.62	<=13	Pass
	1715	27	0	6.56	<=13	Pass
16QAM	1745	27	0	6.60	<=13	Pass
	1775	27	23	6.49	<=13	Pass



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IC: 30652-SEC1004 f 138 FCC ID: 2BAWK-SEC100

5.1.5 B66_15MHz

	Band: 66 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency	RB Allocation		Peak-Average Ratio (dB)		Verdict			
IVIOGUIALIOIT	(MHz)	Size	Offset	Result	Limit	verdict			
	1717.5	75	0	6.18	<=13	Pass			
QPSK	1745	75	0	6.14	<=13	Pass			
	1772.5	75	0	5.84	<=13	Pass			
	1717.5	27	0	6.54	<=13	Pass			
16QAM	1745	27	0	6.53	<=13	Pass			
	1772.5	27	48	6.44	<=13	Pass			

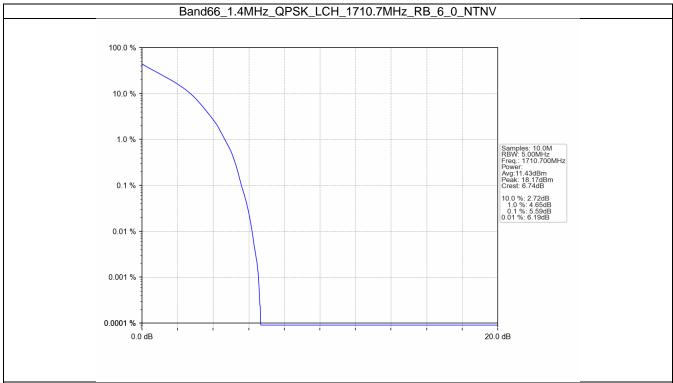
5.1.6 B66_20MHz

		Ban	d: 66 / Bandwidth	n: 20MHz / NTNV		
Madulation	Frequency	RB Allocation		Peak-Avera	ge Ratio (dB)	\/a malia t
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict
	1720	100	0	5.90	<=13	Pass
QPSK	1745	100	0	5.77	<=13	Pass
	1770	100	0	5.56	<=13	Pass
	1720	27	0	6.64	<=13	Pass
16QAM	1745	27	0	6.59	<=13	Pass
	1770	27	73	6.56	<=13	Pass

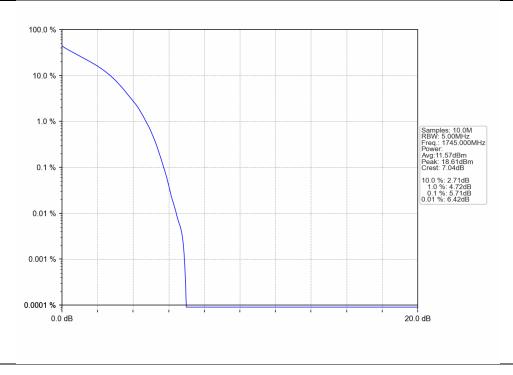


5.2 Test Graph

5.2.1 B66_1.4MHz



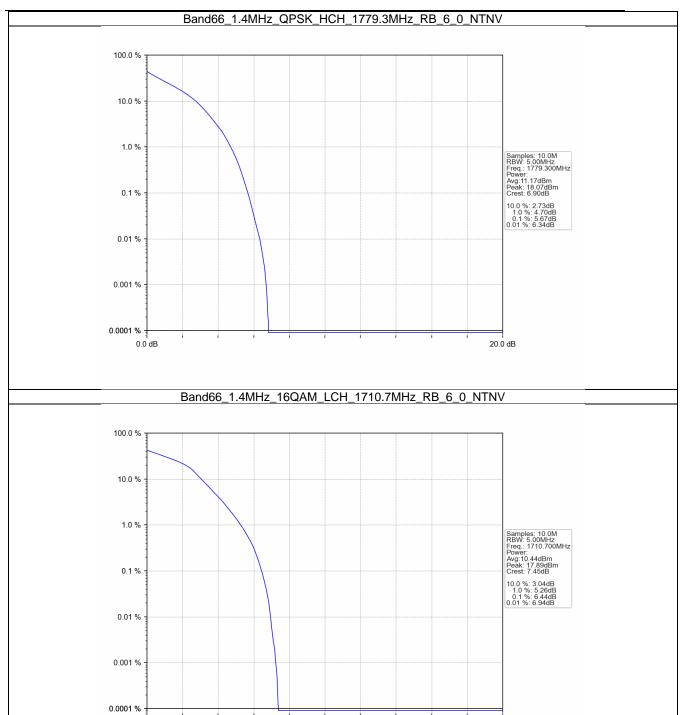




0.0 dB

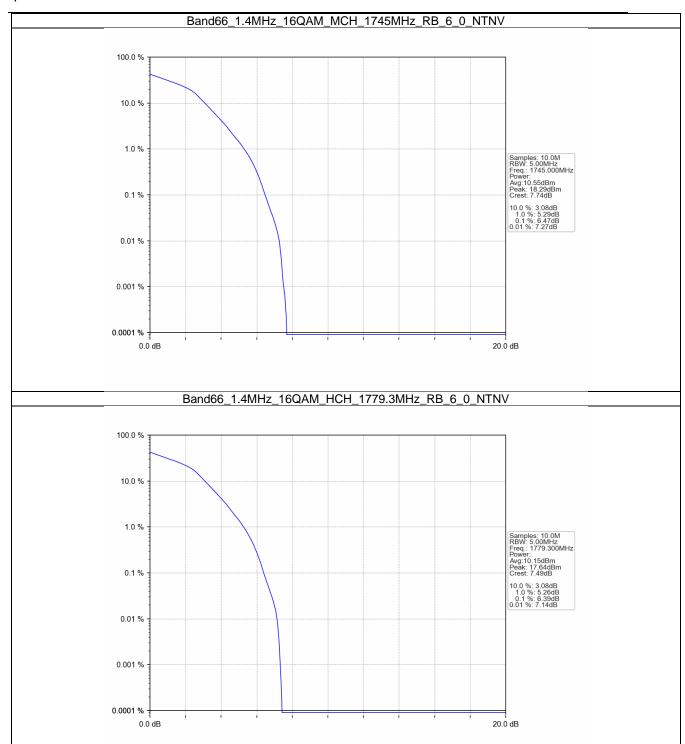
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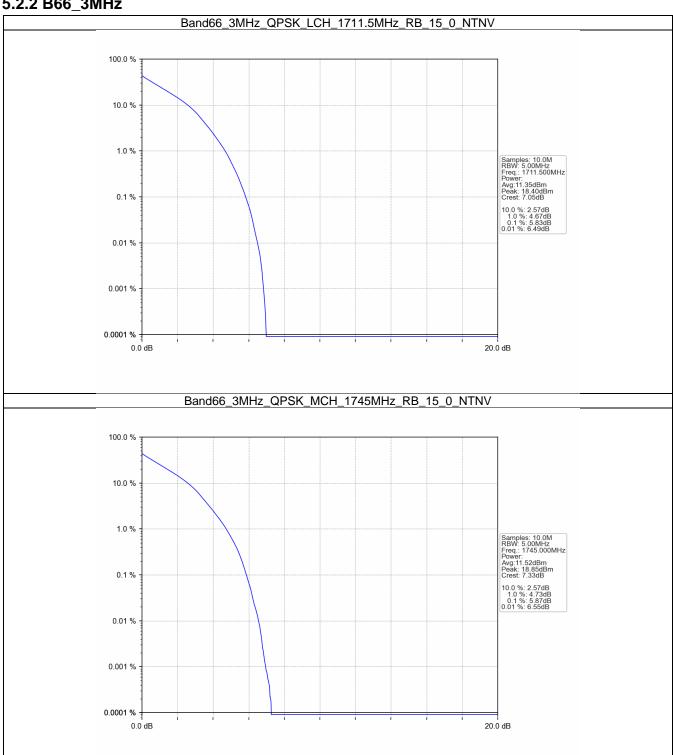
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IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100





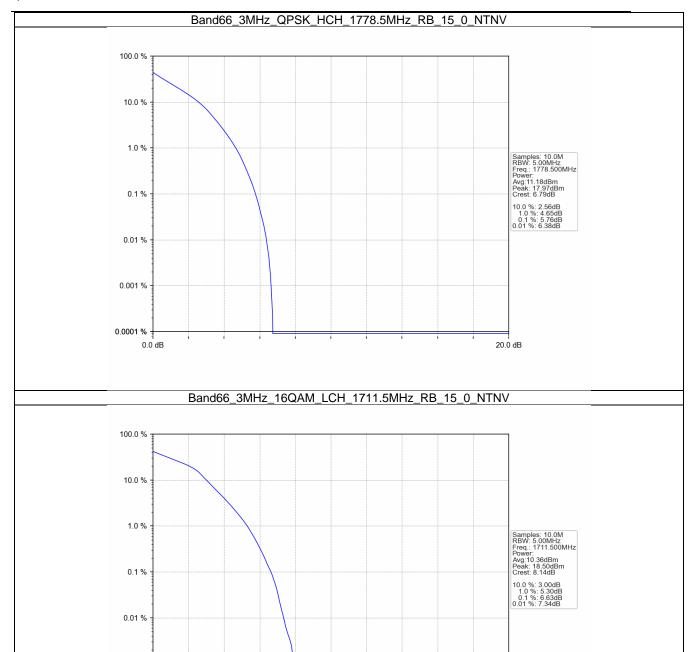
5.2.2 B66_3MHz



0.001 %

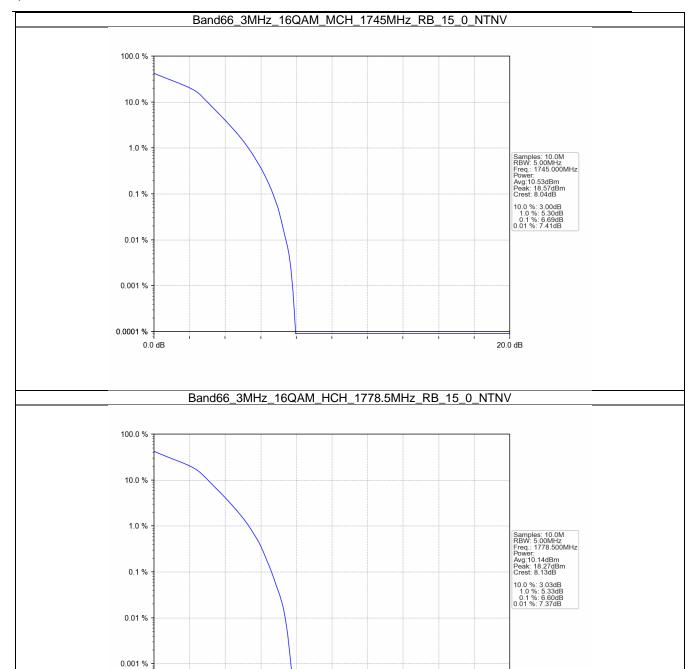
0.0001 % | 0.0 dB Page 65 of 138

IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100



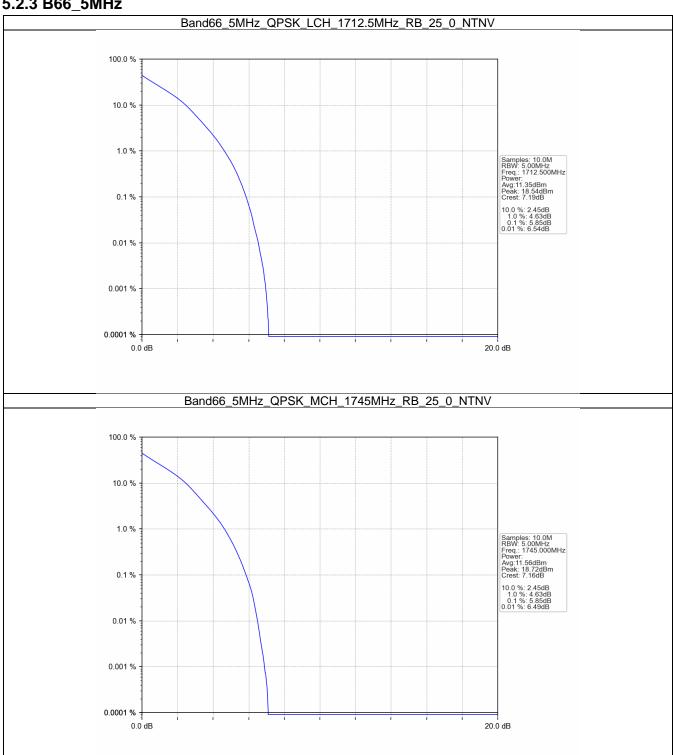
0.0001 % | 0.0 dB Page 66 of 138

IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100





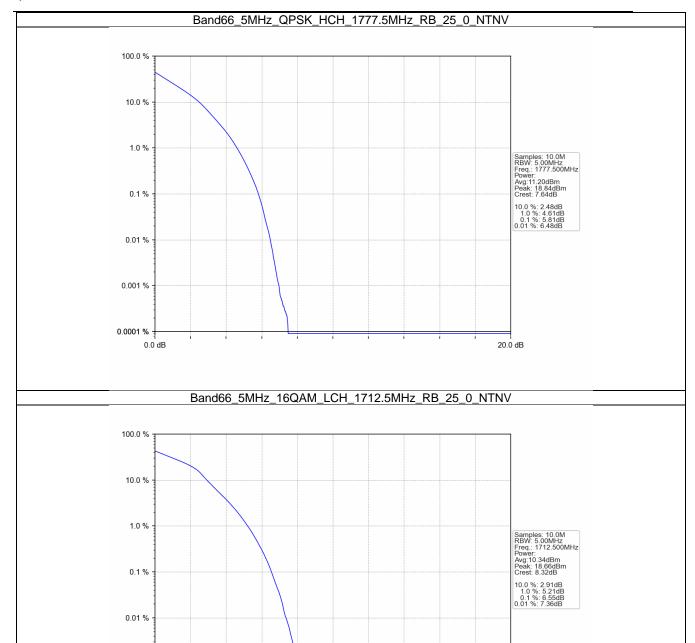
5.2.3 B66_5MHz



0.001 %

0.0001 % | 0.0 dB Page 68 of 138

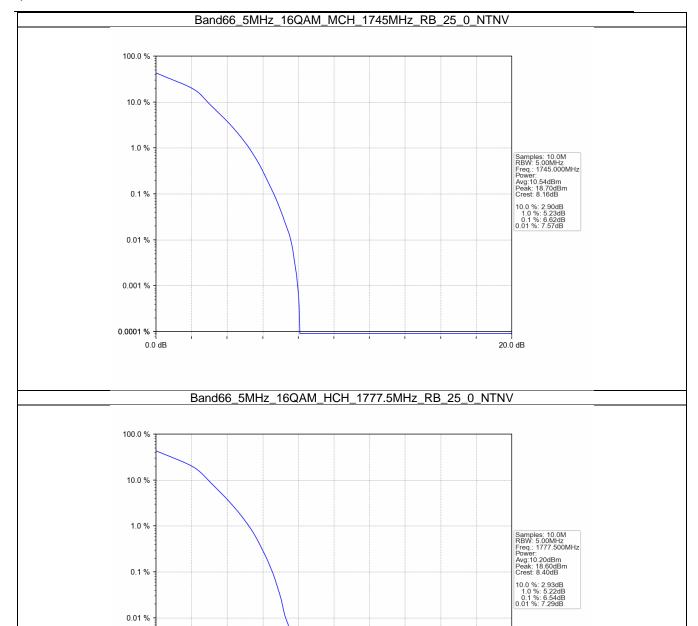
IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100



0.001 %

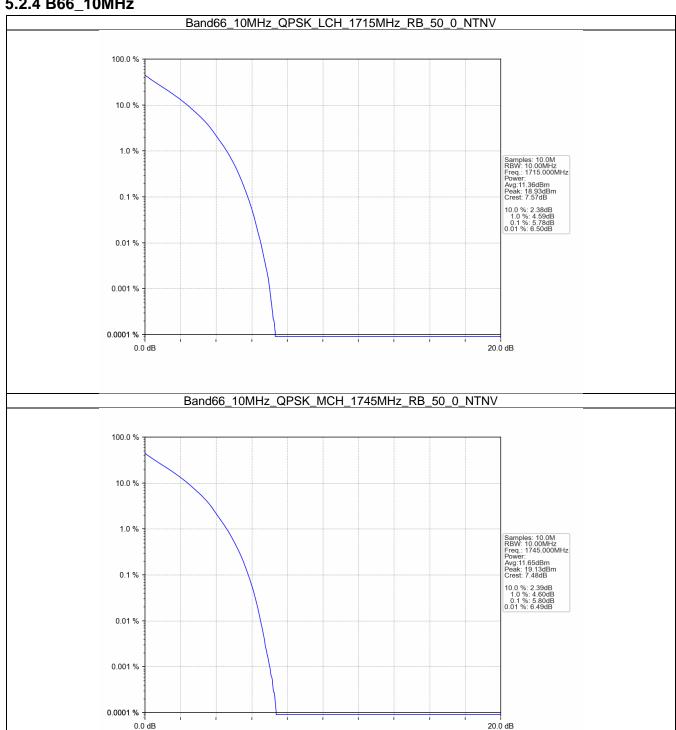
0.0001 % | 0.0 dB Page 69 of 138

IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100



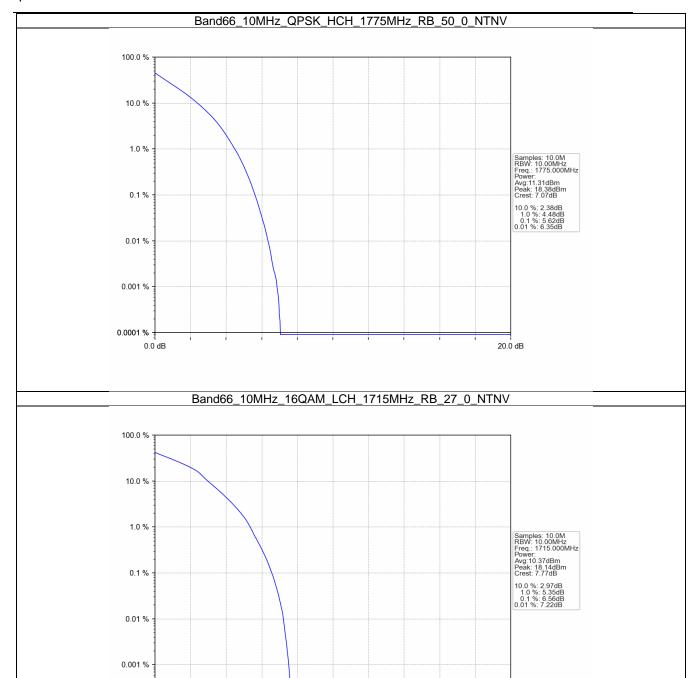


5.2.4 B66_10MHz



0.0001 % | 0.0 dB Page 71 of 138

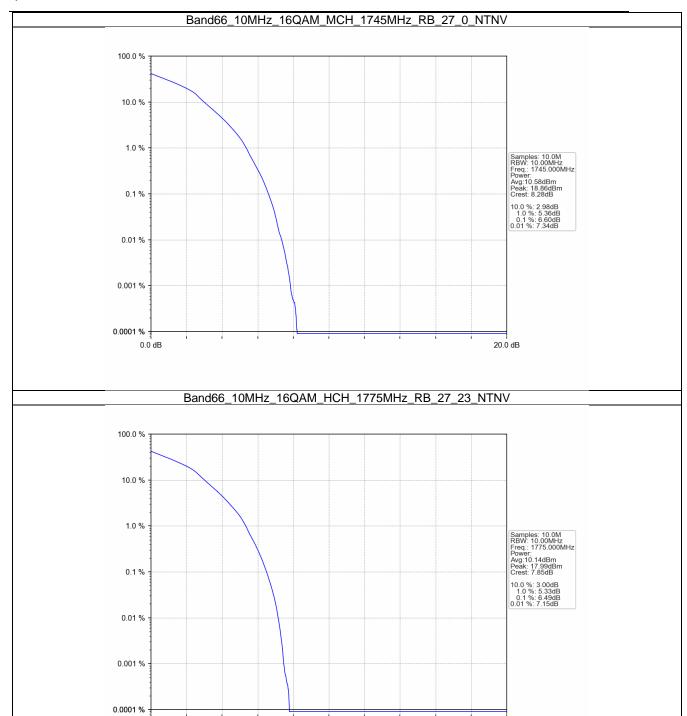
IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100



0.0 dB

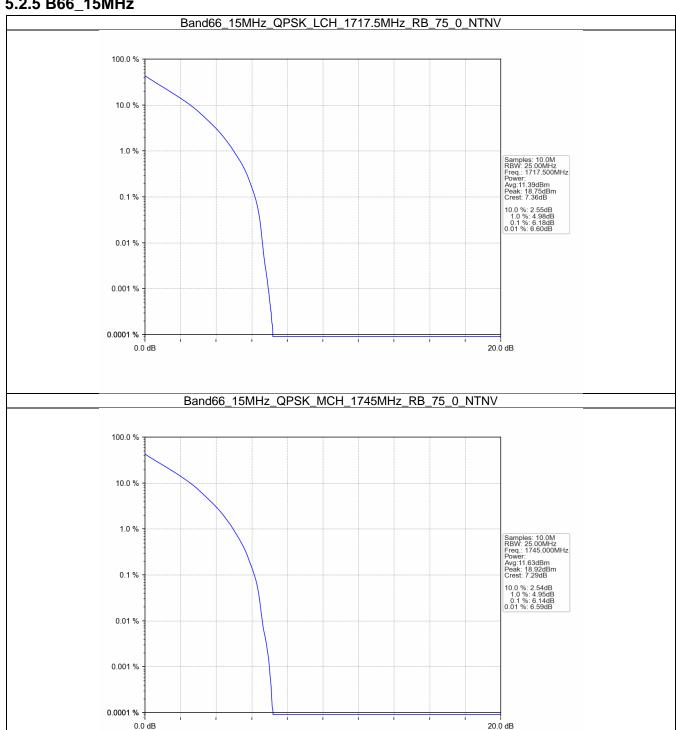
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IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100



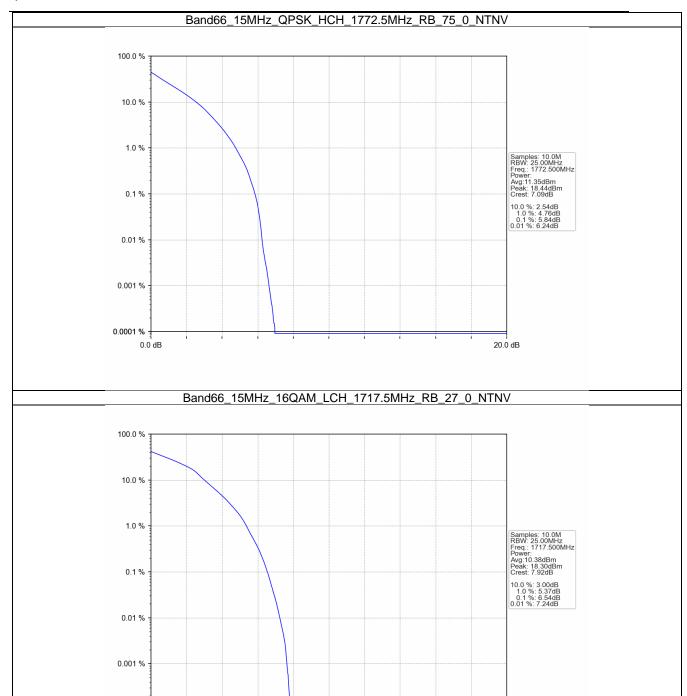


5.2.5 B66_15MHz



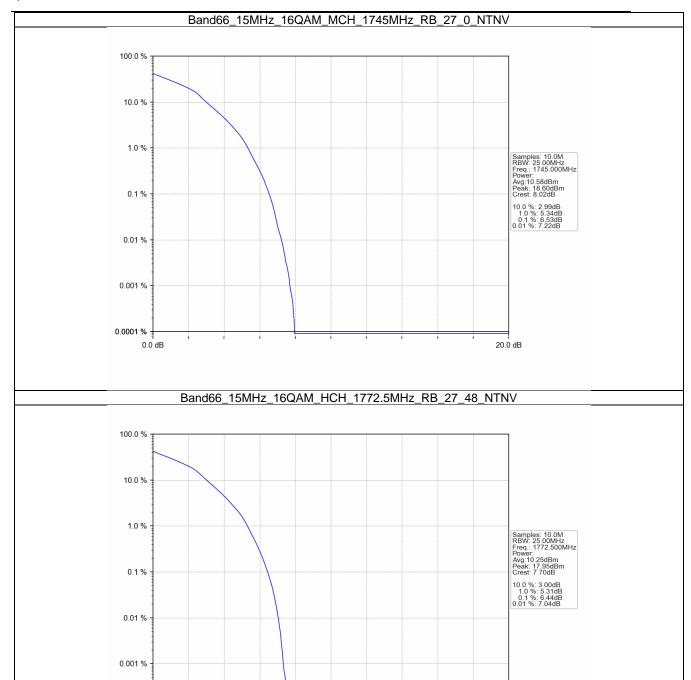
0.0001 % | 0.0 dB Page 74 of 138

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0.0001 % | 0.0 dB Page 75 of 138

IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100

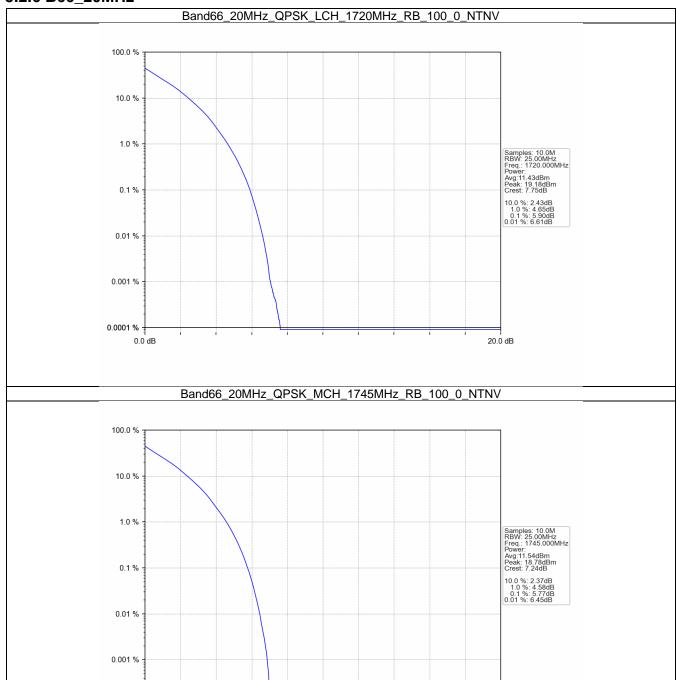




20.0 dB

5.2.6 B66_20MHz

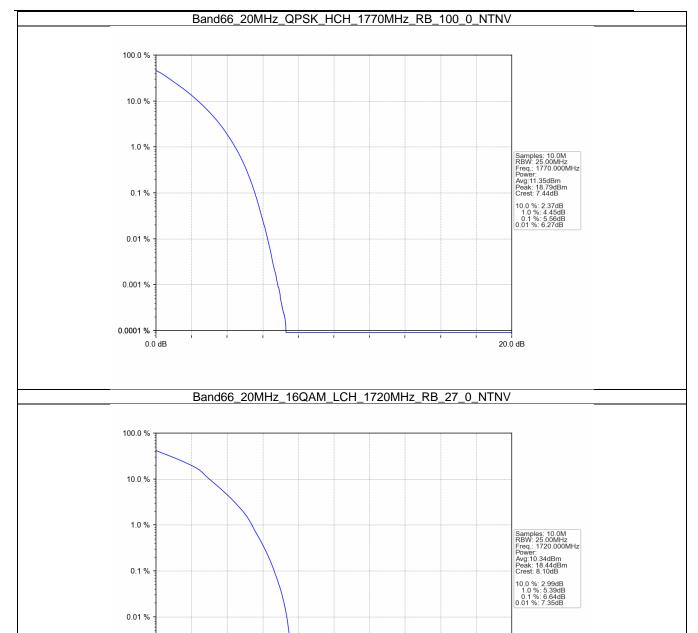
0.0001 % | 0.0 dB



0.001 %

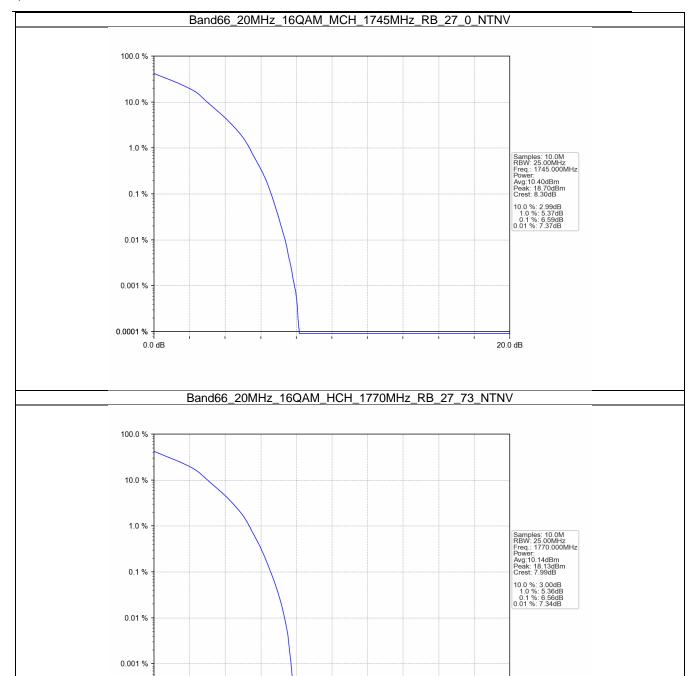
0.0001 % | 0.0 dB Page 77 of 138

IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100



0.0001 % | 0.0 dB Page 78 of 138

IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100





6. Spurious Emission

6.1 Test Result

6.1.1 B66_1.4MHz

		Bar	nd: 66 / Bandwidth:	1.4MHz / NTNV		
Modulation	Frequency	RB Allocation		Spurious Emission		Verdict
viodulation	(MHz)	Size	Offset	Result	Limit	verdict
	1710.7	1	0	Refer To Test	t Graph	Pass
		6	0	Refer To Test	t Graph	Pass
QPSK —	1745	1	0	Refer To Test Graph		Pass
	1779.3	1779.3	0	Refer To Test Graph		Pass
			5	Refer To Test	t Graph	Pass
		6	0	Refer To Test	t Graph	Pass
	1710.7	1	0	Refer To Test	t Graph	Pass
	17 10.7	6	0	Refer To Test	t Graph	Pass
16QAM	1745	1	0	Refer To Test	t Graph	Pass
IOQAM		1779.3	0	Refer To Test Graph		Pass
	1779.3		5	Refer To Test Graph		Pass
		6	0	Refer To Test	t Graph	Pass

6.1.2 B66_3MHz

		Ba	and: 66 / Bandwidth	: 3MHz / NTNV			
Madulation	Frequency	RB Allocation		Spurious Emission		Vardiat	
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict	
	1711.5	1	0	Refer To Test	Graph	Pass	
		15	0	Refer To Test	Graph	Pass	
QPSK -	1745	1	0	Refer To Test Graph		Pass	
QFSK _	1778.5	1	0	Refer To Test	Graph	Pass	
		1778.5	I	14	Refer To Test	Graph	Pass
		15	0	Refer To Test	Graph	Pass	
	1711.5	1	0	Refer To Test	Graph	Pass	
	1/11.5	15	0	Refer To Test	Graph	Pass	
16QAM	1745	1	0	Refer To Test	Graph	Pass	
IOQAIVI		4	0	Refer To Test Graph		Pass	
	1778.5	1778.5	I	14	Refer To Test	Graph	Pass
		15	0	Refer To Test	Graph	Pass	

6.1.3 B66 5MHz

		Ba	and: 66 / Bandwidth	: 5MHz / NTNV		•
Madulation	Frequency	RB Allocation		Spurious Emission		\
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict
QPSK -	1712.5	1	0	Refer To Test	Graph	Pass
	1712.5	25	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
QF3N —		1	0	Refer To Test	Graph	Pass
	1777.5	ı	24	Refer To Test	Graph	Pass
		25	0	Refer To Test	Graph	Pass
160011	1740.5	1	0	Refer To Test	Graph	Pass
16QAM	1712.5	25	0	Refer To Test	Graph	Pass



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FCC ID: 2BAWK-SEC100

	1745	1	0	Refer To Test Graph	Pass
		4	0	Refer To Test Graph	Pass
	1777.5	I	24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B66_10MHz

		Ba	nd: 66 / Bandwidth:	10MHz / NTNV		
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
viodulation		Size	Offset	Result	Limit	verdict
	1715	1	0	Refer To Test	Graph	Pass
QPSK -	1715	50	0	Refer To Test	Graph	Pass
	1745	1	0	Refer To Test Graph		Pass
	1775	4	0	Refer To Test Graph		Pass
		1775	ı	49	Refer To Test Graph	
		50	0	Refer To Test	Graph	Pass
	1715	1	0	Refer To Test	Graph	Pass
16QAM	1745	1	0	Refer To Test Graph		Pass
IOQAW	1775	1775 1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass

6.1.5 B66_15MHz

		Ва	nd: 66 / Bandwidth:	15MHz / NTNV		
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Vardiet
		Size	Offset	Result	Limit	Verdict
QPSK -	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1772.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM -	1717.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1772.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass

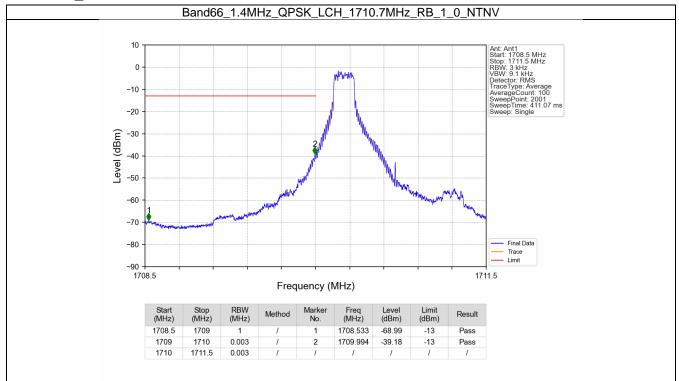
6.1.6 B66_20MHz

		Ва	nd: 66 / Bandwidth:	: 20MHz / NTNV		
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Vandiat
		Size	Offset	Result	Limit	Verdict
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	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
	1745	1	0	Refer To Test Graph		Pass
	1770	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass

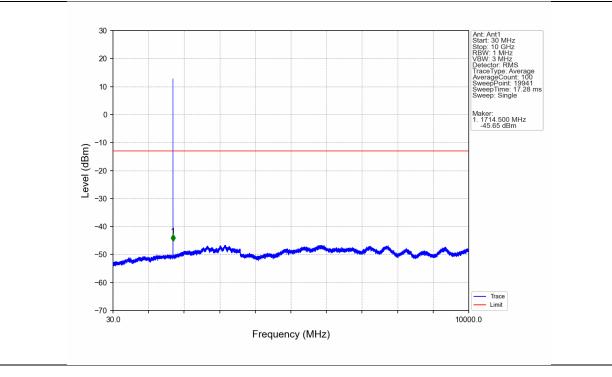


6.2 Test Graph

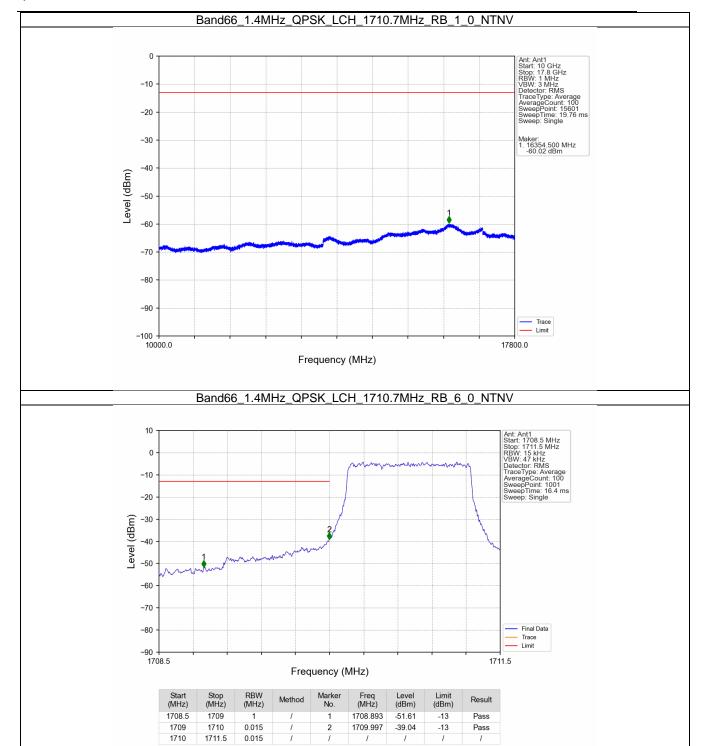
6.2.1 B66_1.4MHz



Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

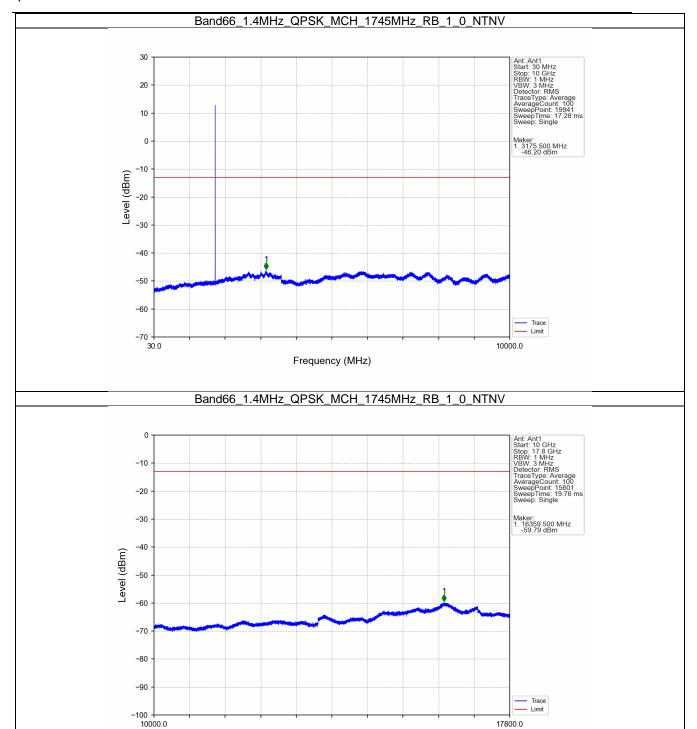


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-70

-80

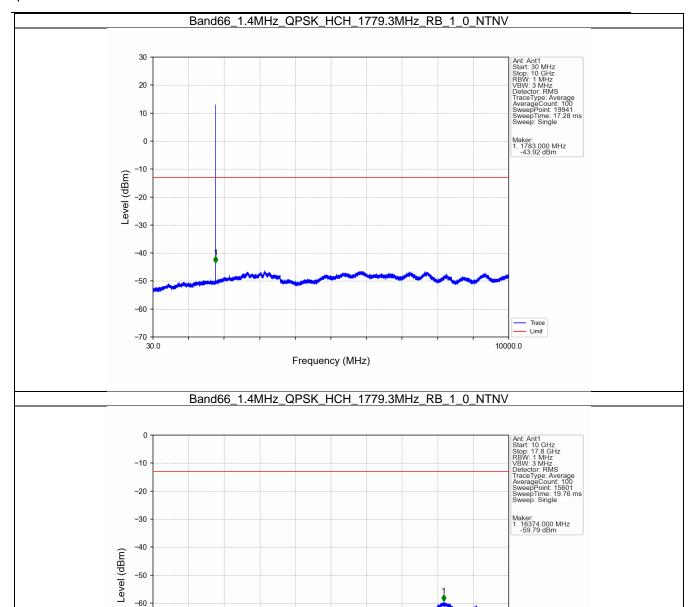
-90

-100 | 10000.0

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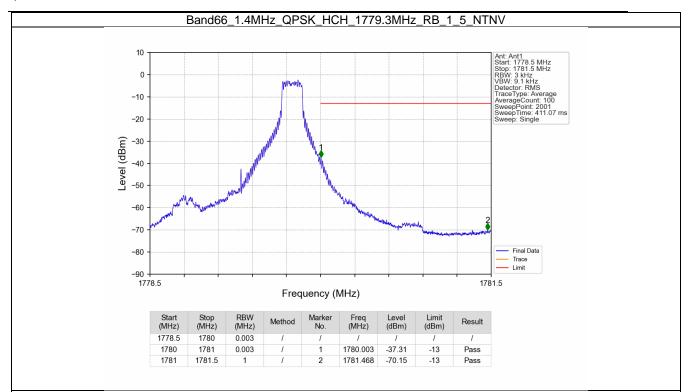
IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100

17800.0

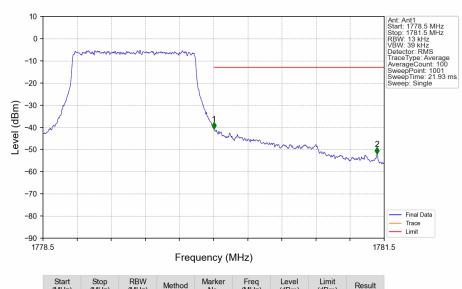


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IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100

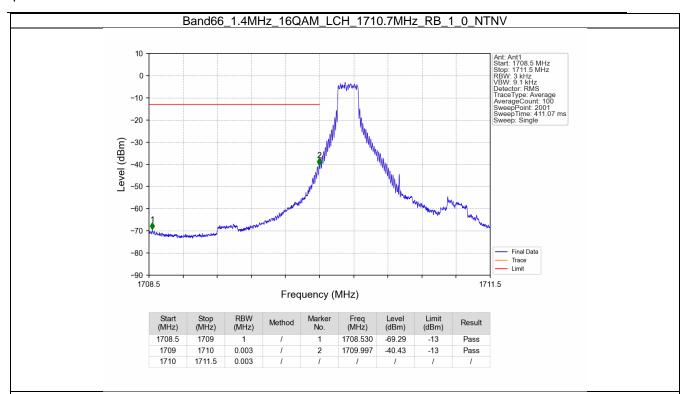


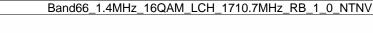
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV

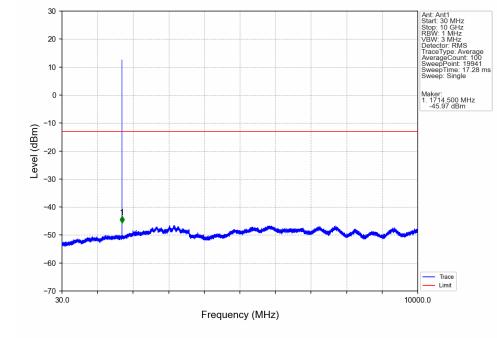


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1778.5	1780	0.013	1	1	1	1	1	1
1780	1781	0.013	1	1	1780.003	-40.73	-13	Pass
1781	1781.5	1	1	2	1781.437	-51.98	-13	Pass

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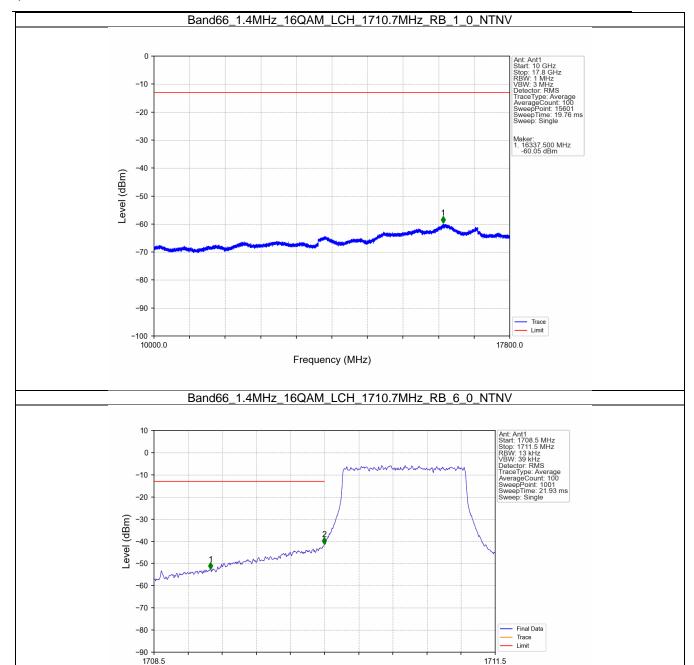






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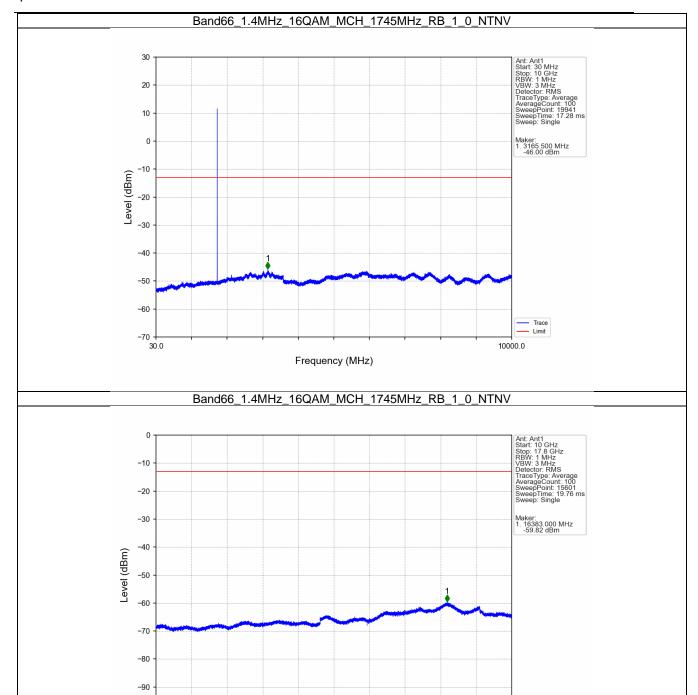
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	1	1	1708.998	-52.64	-13	Pass
1709	1710	0.013	1	2	1709.997	-41.38	-13	Pass
1710	1711.5	0.013	1	1	/	1	1	1

-100 | 10000.0

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17800.0

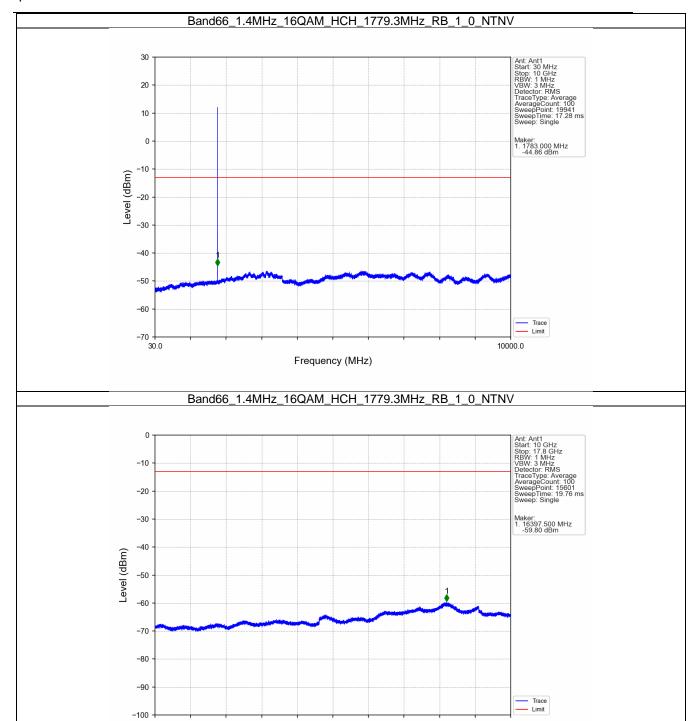


10000.0

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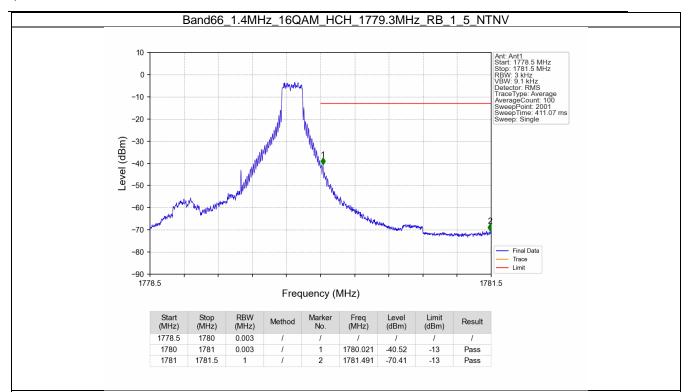
IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100

17800.0

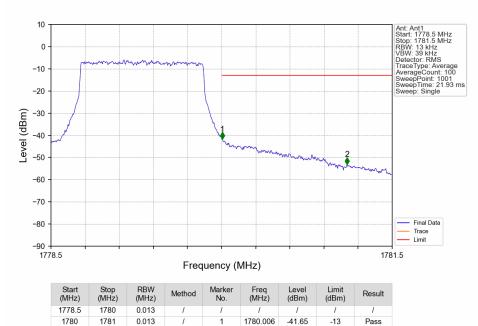


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Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



1781.104

-53.06

-13

Pass

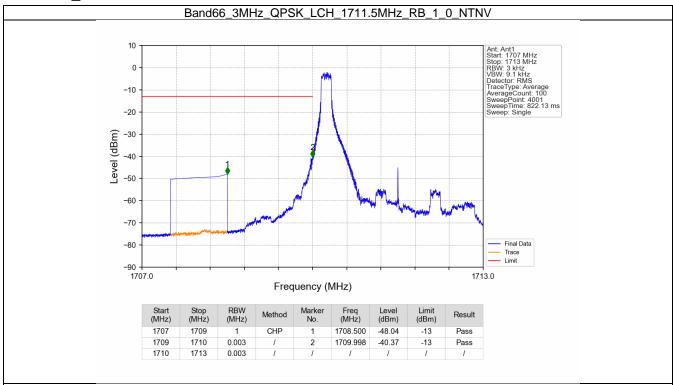
1781

1781.5

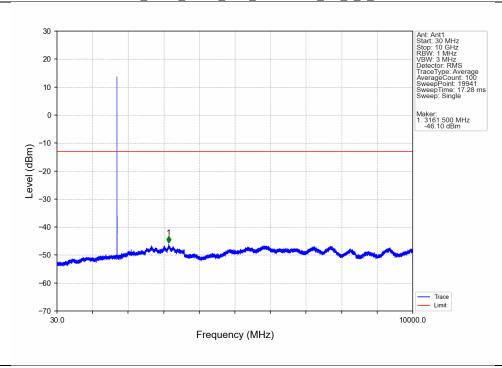


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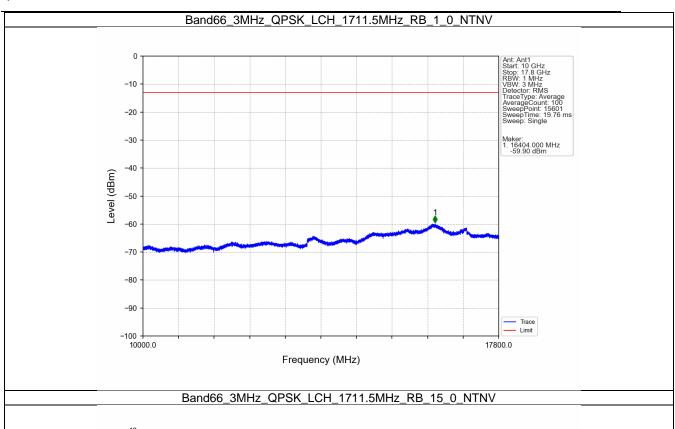
6.2.2 B66_3MHz

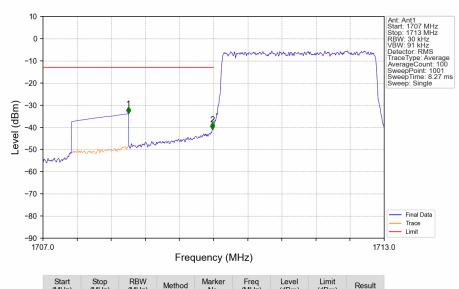


Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



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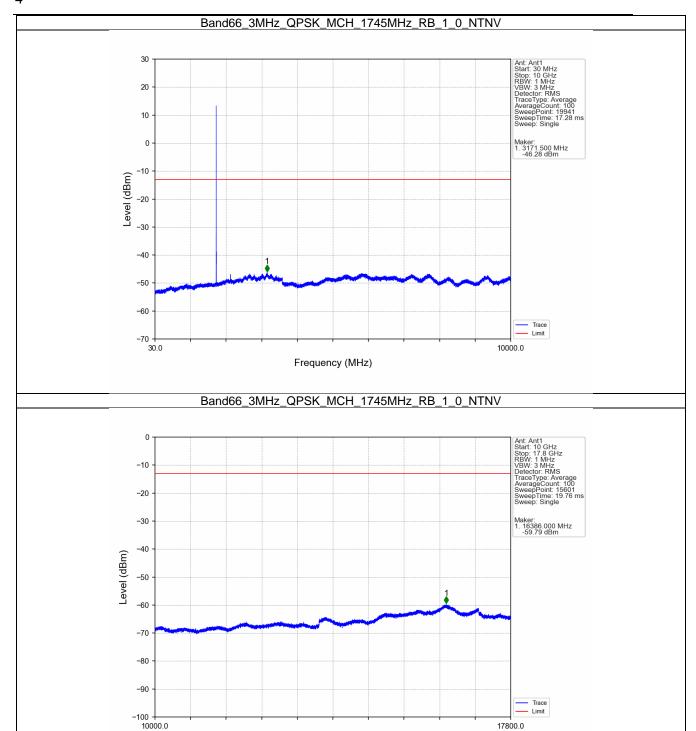




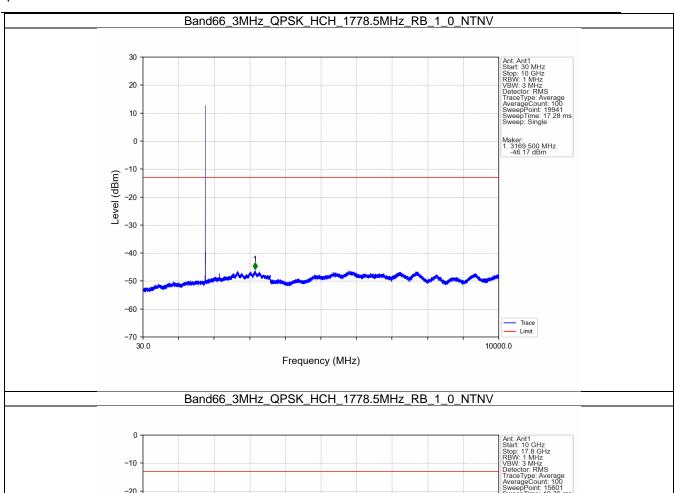
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-33.90	-13	Pass
1709	1710	0.03	1	2	1709.982	-40.87	-13	Pass
1710	1713	0.03	1	1	/	/	1	1

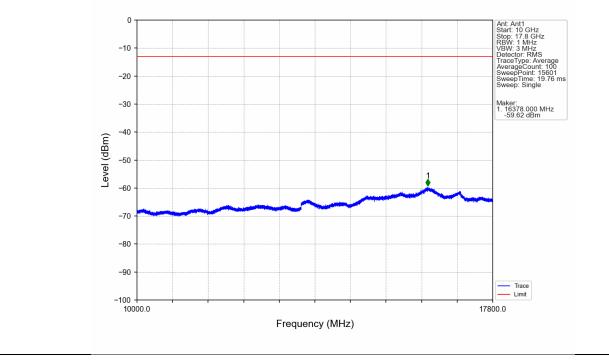
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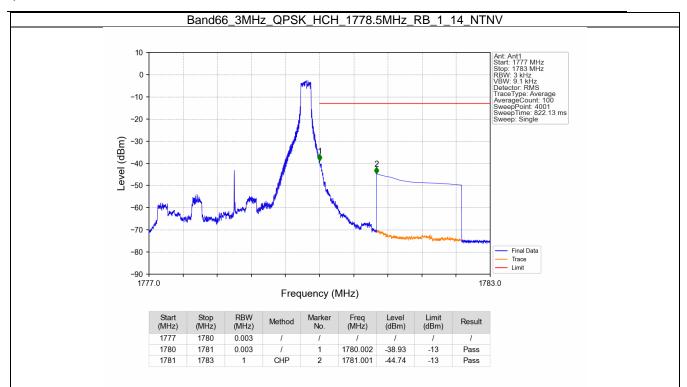
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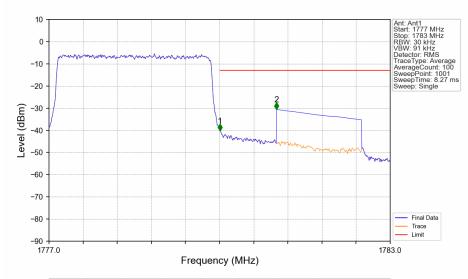


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IC: 30652-SEC1004 FCC ID: 2BAWK-SEC100

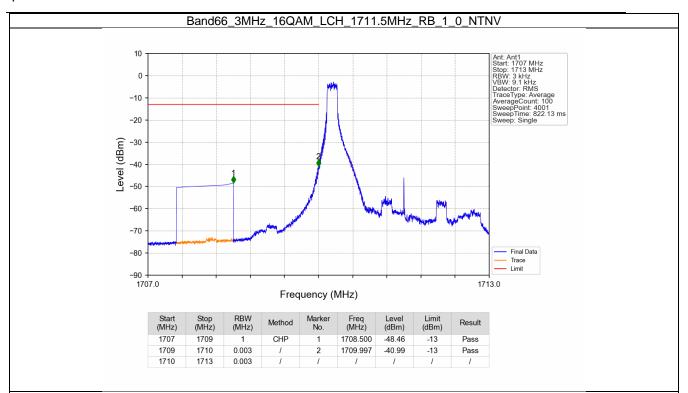


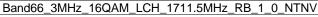
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV

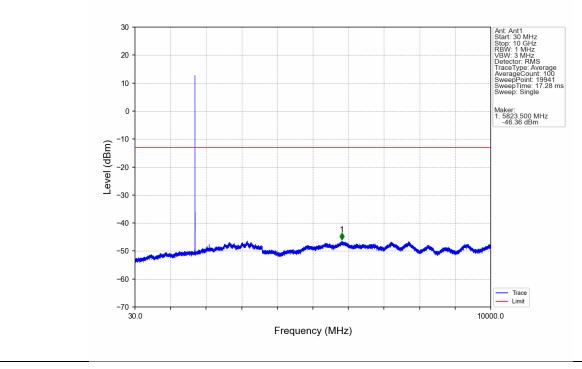


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.03	1	1	1	1	1	1
1780	1781	0.03	1	1	1780.006	-40.14	-13	Pass
1781	1783	1	CHP	2	1781.002	-30.63	-13	Pass

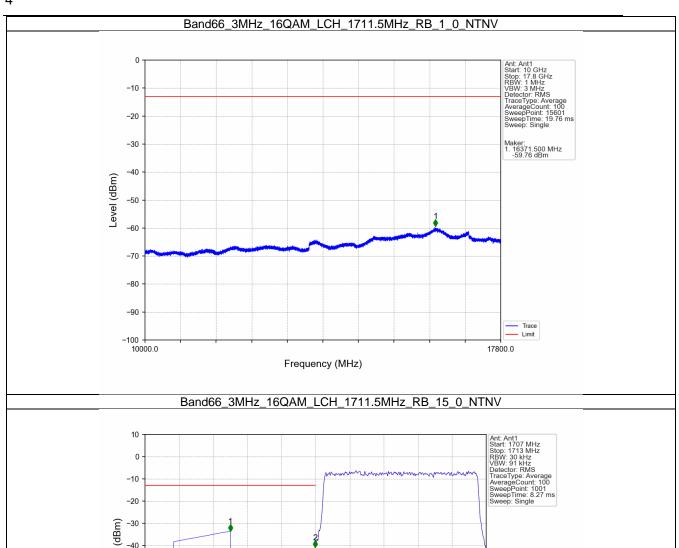
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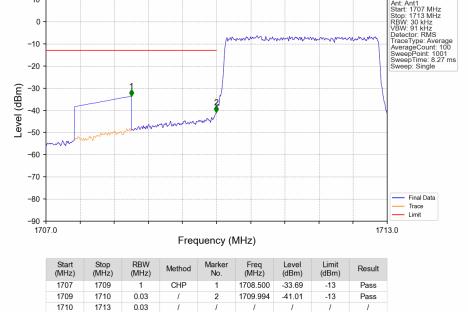






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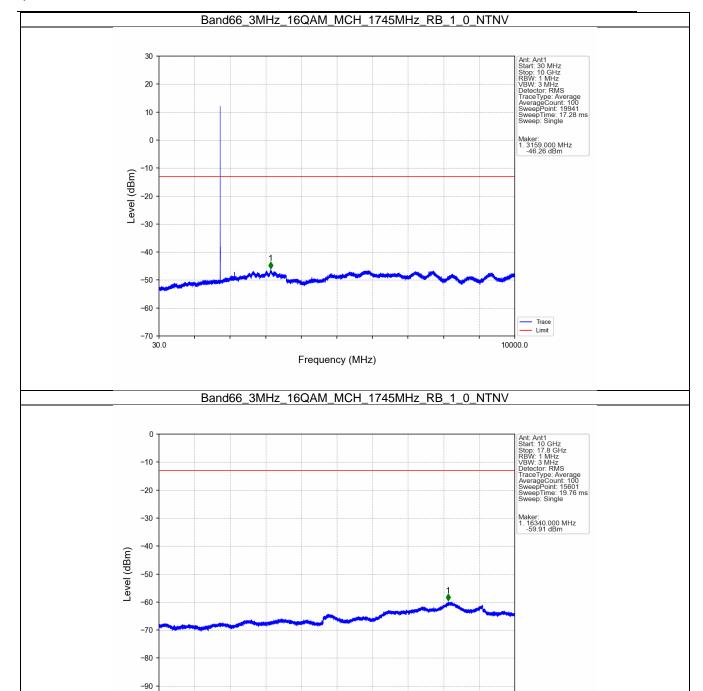


-100 | 10000.0

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17800.0



-90

-100 | 10000.0

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17800.0

