



5. Peak-Average Ratio

## 5.1 Test Result

## 5.1.1 B25\_1.4MHz

		Band	d: 25 / Bandwidth	: 1.4MHz / NTNV		
Modulation	Frequency	RB All	ocation	Peak-Averag	ge Ratio (dB)	\
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict
QPSK	1850.7	6	0	5.19	<=13	Pass
	1882.5	6	0	5.76	<=13	Pass
	1914.3	6	0	5.87	<=13	Pass
	1850.7	6	0	6.08	<=13	Pass
16QAM	1882.5	6	0	6.53	<=13	Pass
	1914.3	6	0	6.59	<=13	Pass

## 5.1.2 B25\_3MHz

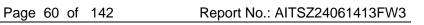
		Bar	d: 25 / Bandwidt	h: 3MHz / NTNV		
Modulation	Frequency	RB Allocation		Peak-Averaç	ge Ratio (dB)	\/a naliat
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict
	1851.5	15	0	5.55	<=13	Pass
QPSK	1882.5	15	0	5.61	<=13	Pass
	1913.5	15	0	5.80	<=13	Pass
	1851.5	15	0	6.42	<=13	Pass
16QAM	1882.5	15	0	6.46	<=13	Pass
	1913.5	15	0	6.61	<=13	Pass

## 5.1.3 B25\_5MHz

		Ban	d: 25 / Bandwidth	: 5MHz / NTNV		
Modulation	Frequency	RB Allo	ocation	Peak-Average Ratio (dB)		\/!: - t
viodulation	(MHz)	Size	Offset	Result	Limit	Verdict
	1852.5	25	0	5.76	<=13	Pass
QPSK	1882.5	25	0	5.80	<=13	Pass
	1912.5	25	0	5.83	<=13	Pass
	1852.5	25	0	6.45	<=13	Pass
16QAM	1882.5	25	0	6.45	<=13	Pass
	1912.5	25	0	6.56	<=13	Pass

## 5.1.4 B25\_10MHz

		Band	d: 25 / Bandwidth	: 10MHz / NTNV		
Madulation	Frequency	RB Allo	ocation	Peak-Avera	ge Ratio (dB)	\
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict
	1855	50	0	5.79	<=13	Pass
QPSK	1882.5	50	0	5.66	<=13	Pass
	1910	50	0	5.69	<=13	Pass
16QAM	1855	50	0	6.52	<=13	Pass
IOQAW	1882.5	50	0	6.45	<=13	Pass



	4040		•	0.50	40	
	1910	50	()	6.50	<=13	Pass
l l	1010		•	0.00	<b>1</b> -10	1 400

# 5.1.5 B25\_15MHz

		Band	d: 25 / Bandwidth	: 15MHz / NTNV		
Madulation	Frequency	RB Allocation		Peak-Averaç	ge Ratio (dB)	\/!:-+
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict
	1857.5	75	0	5.37	<=13	Pass
QPSK	1882.5	75	0	5.18	<=13	Pass
	1907.5	75	0	4.91	<=13	Pass
	1857.5	75	0	6.39	<=13	Pass
16QAM	1882.5	75	0	6.23	<=13	Pass
	1907.5	75	0	6.17	<=13	Pass

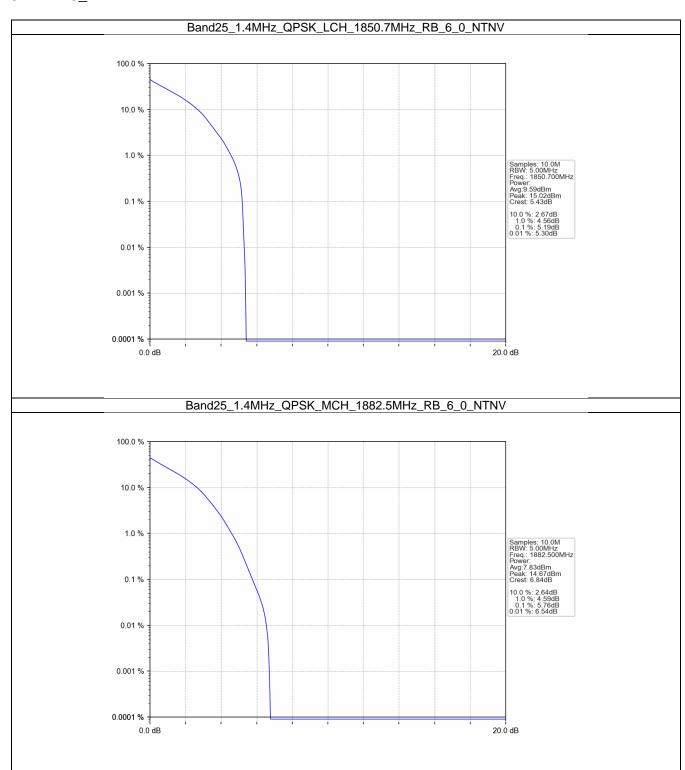
# 5.1.6 B25\_20MHz

		Band	d: 25 / Bandwidth:	: 20MHz / NTNV		
Madulation	Frequency	RB Allocation		Peak-Average Ratio (dB)		\
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict
	1860	100	0	5.63	<=13	Pass
QPSK	1882.5	100	0	5.60	<=13	Pass
	1905	100	0	5.48	<=13	Pass
	1860	100	0	6.68	<=13	Pass
16QAM	1882.5	100	0	6.59	<=13	Pass
	1905	100	0	6.55	<=13	Pass

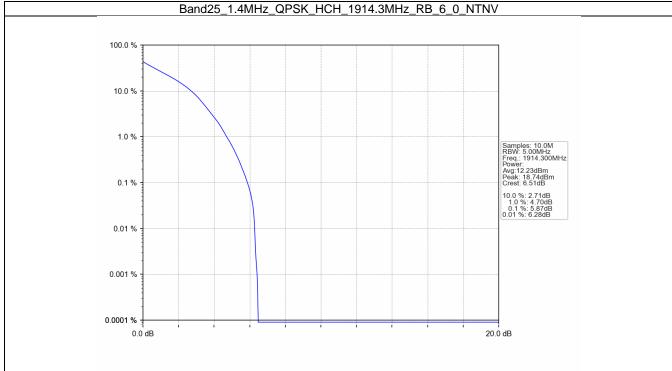


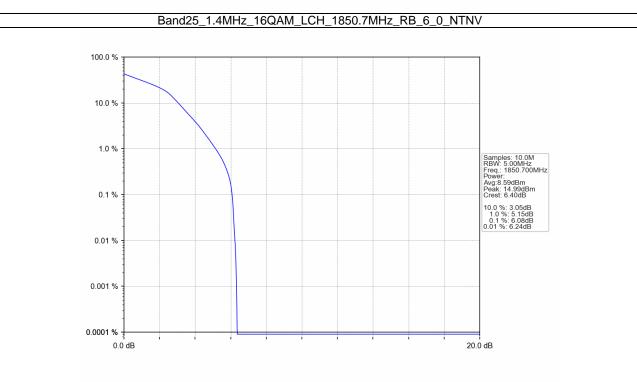
# 5.2 Test Graph

## 5.2.1 B25\_1.4MHz

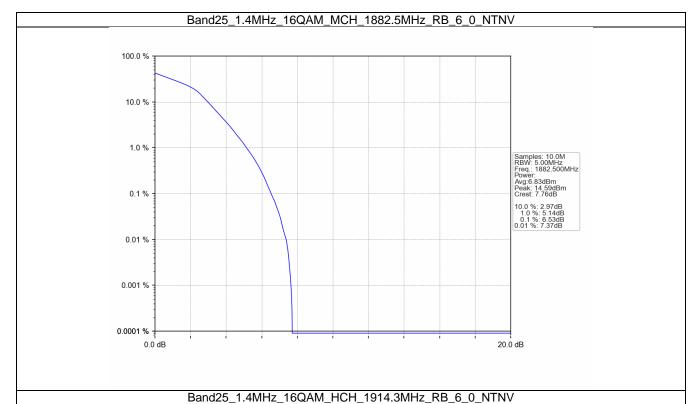


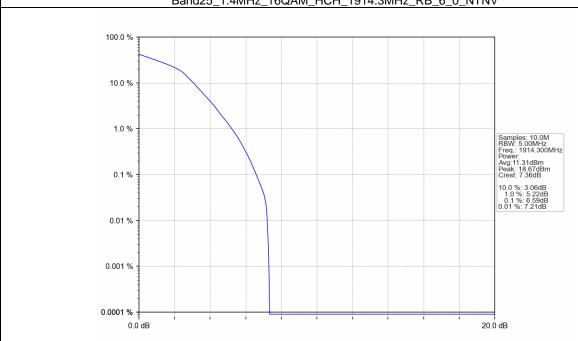






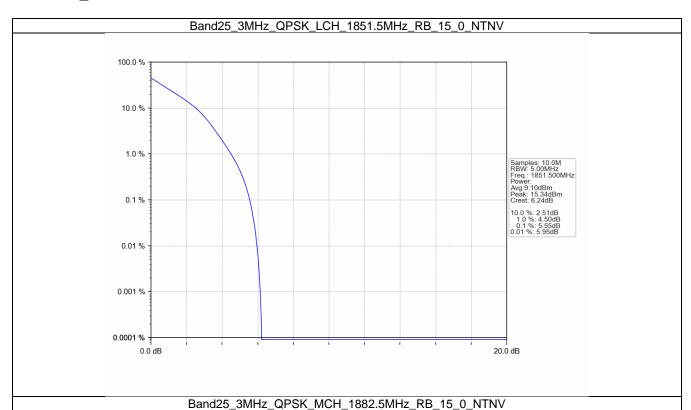




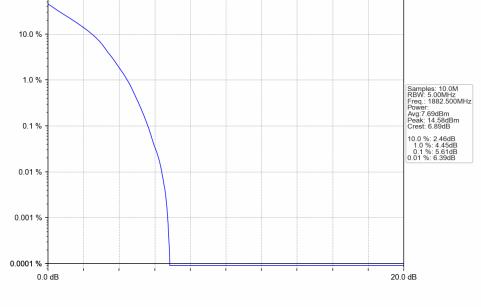




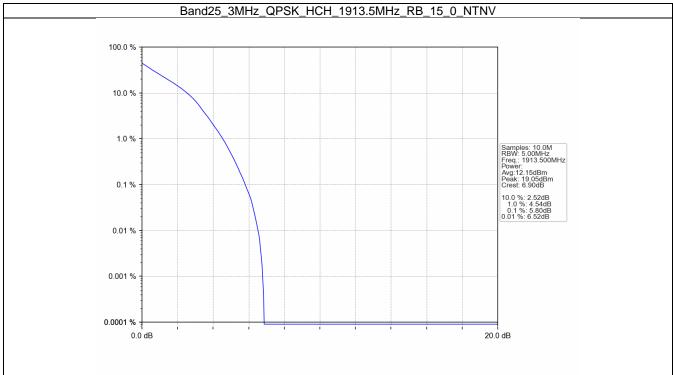
### 5.2.2 B25\_3MHz

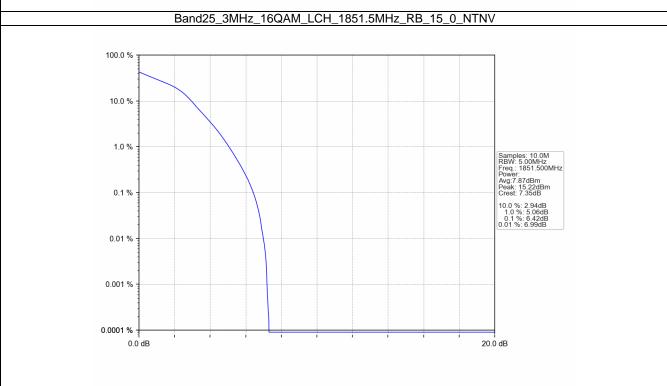




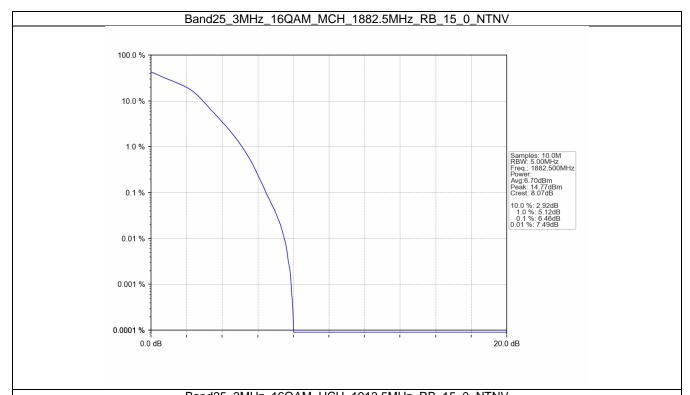


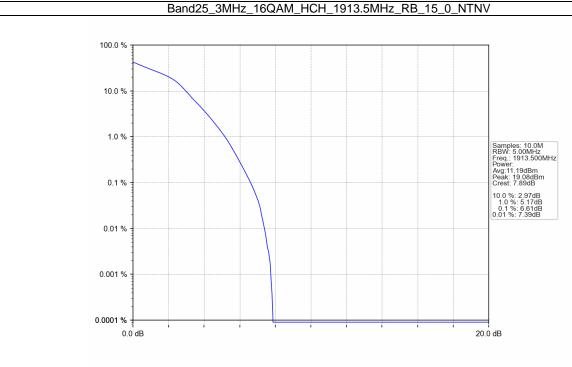






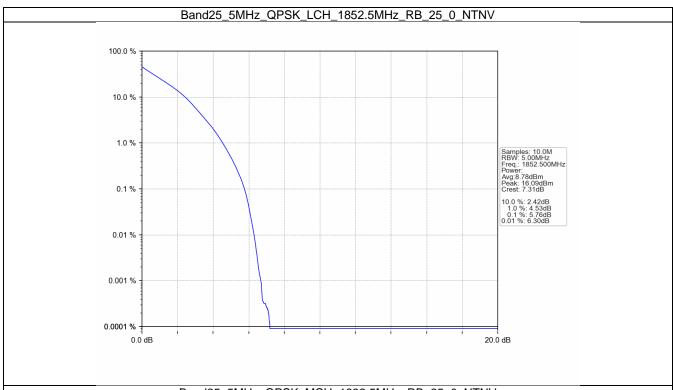


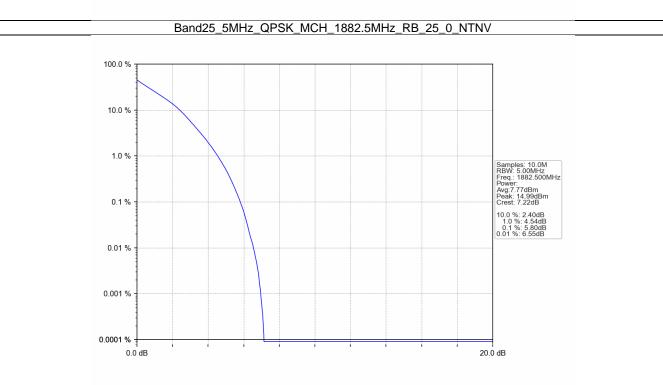




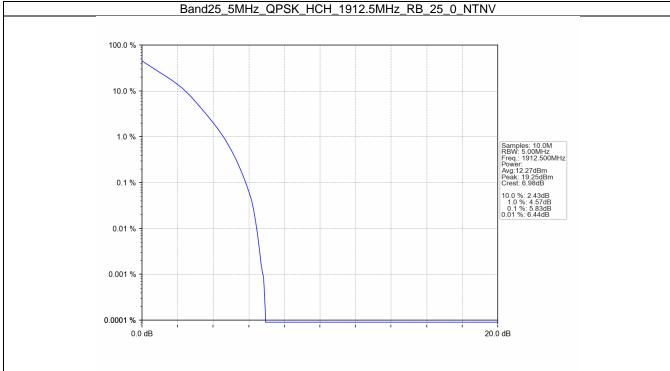


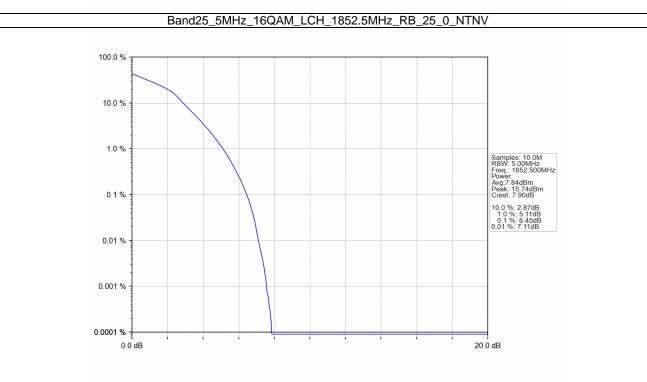
### 5.2.3 B25\_5MHz



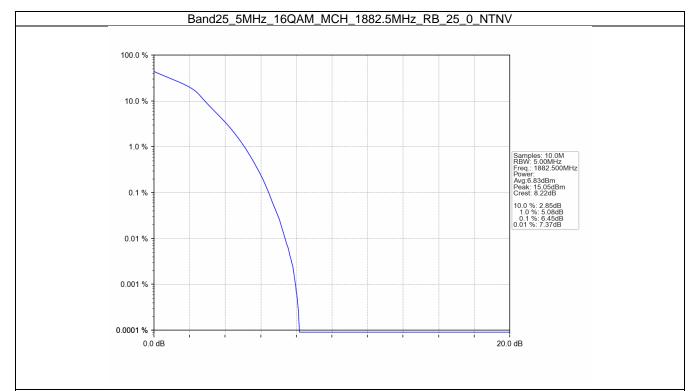


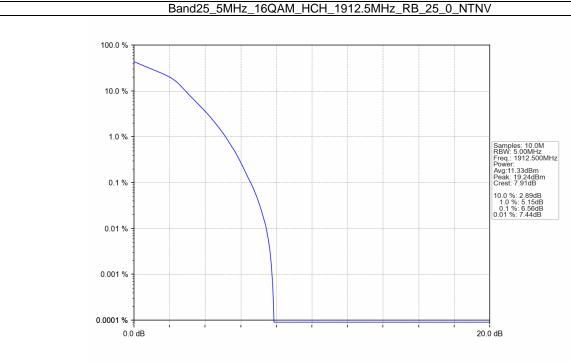






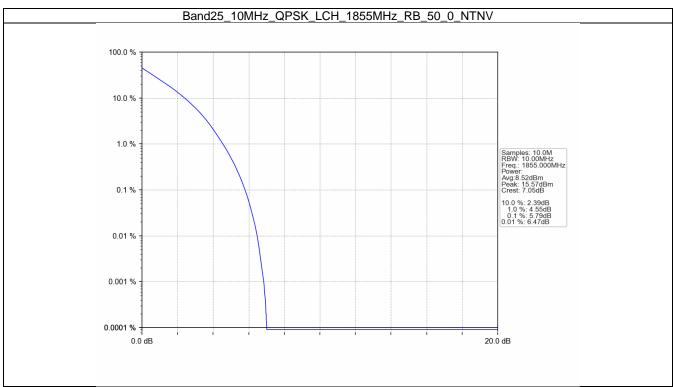


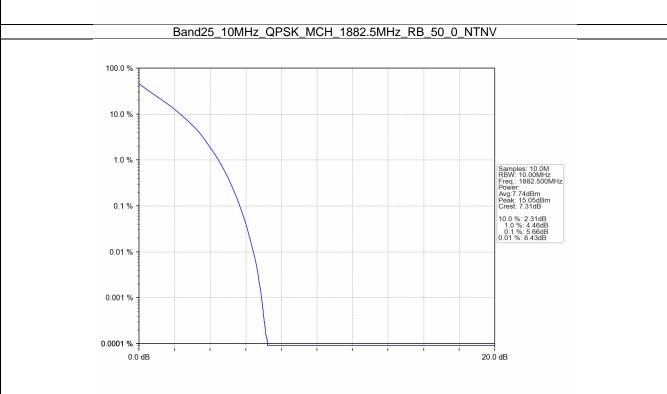




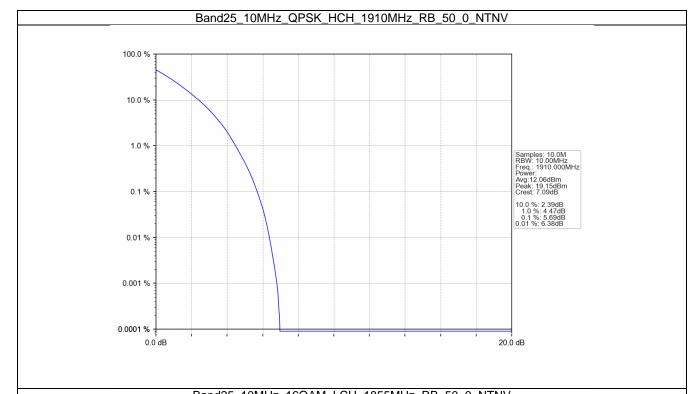


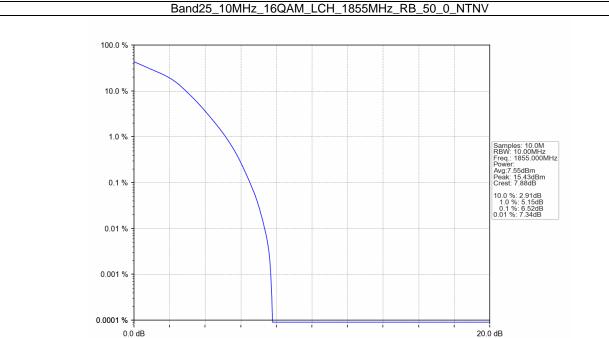
### 5.2.4 B25\_10MHz



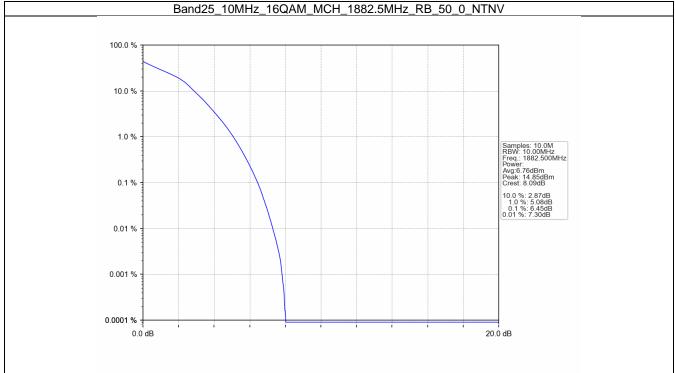


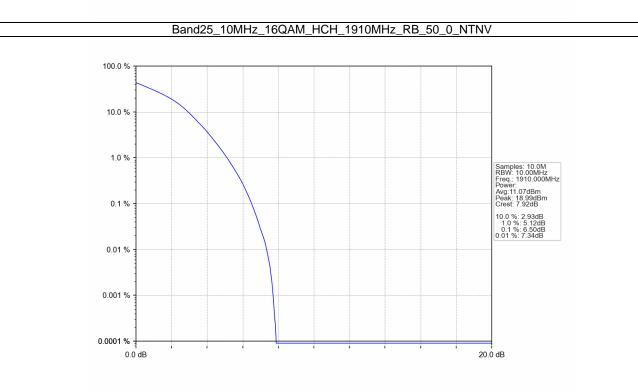






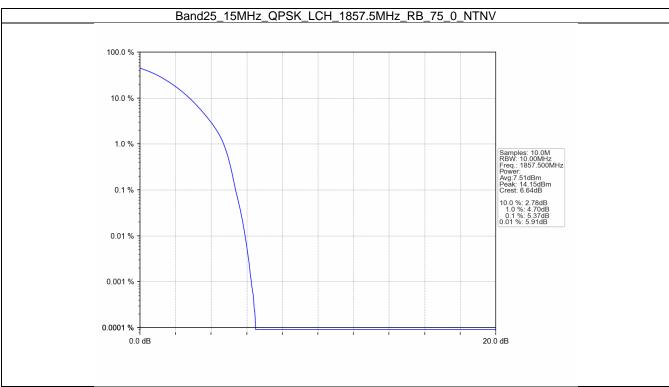


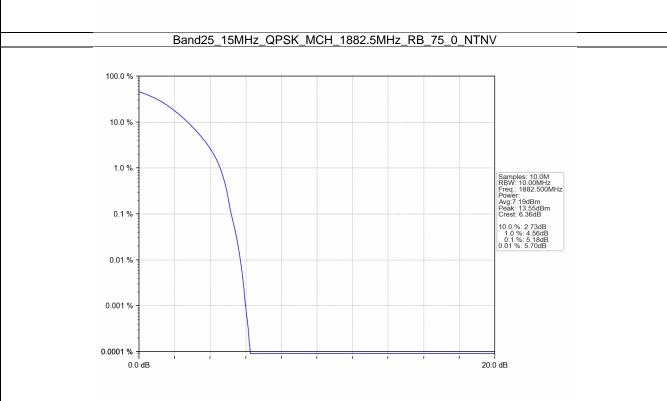




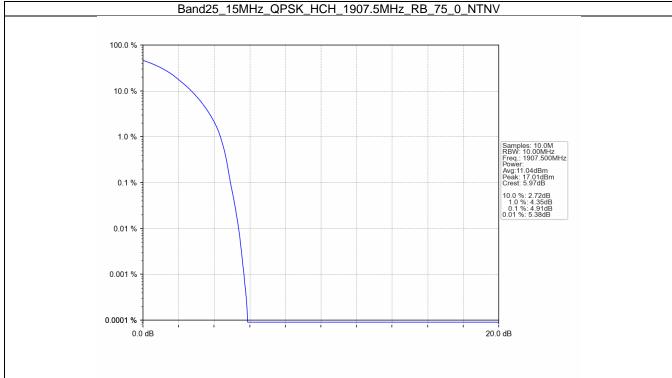


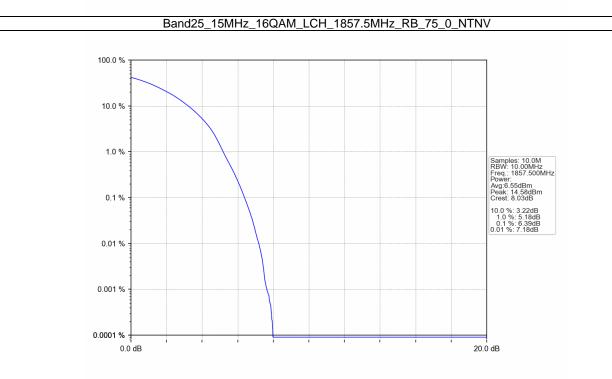
### 5.2.5 B25\_15MHz



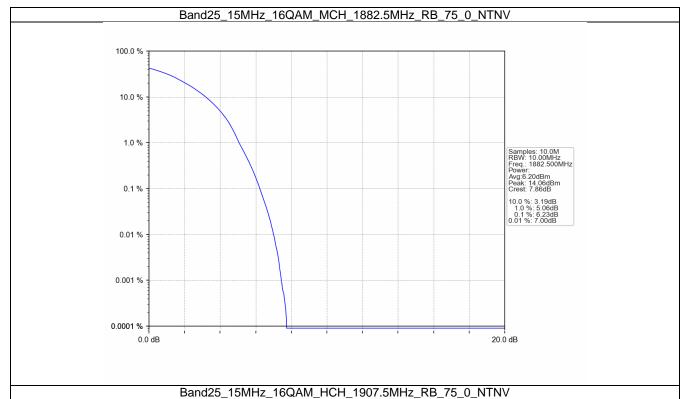


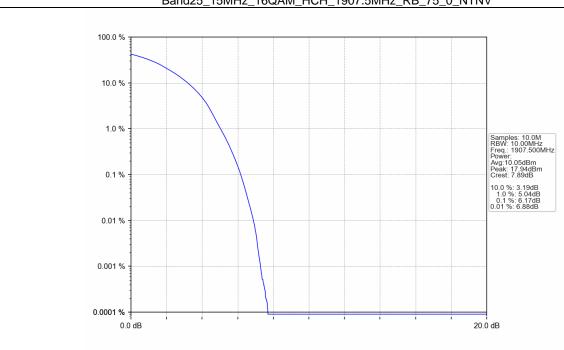








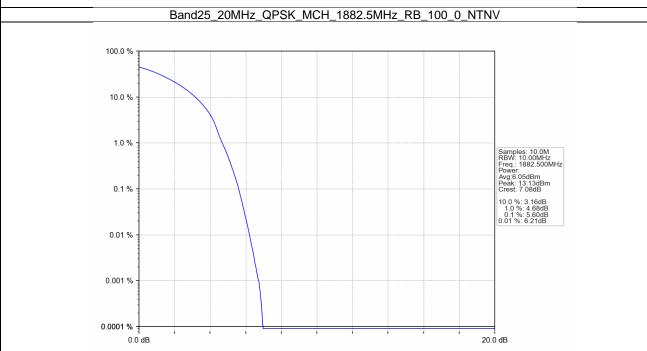






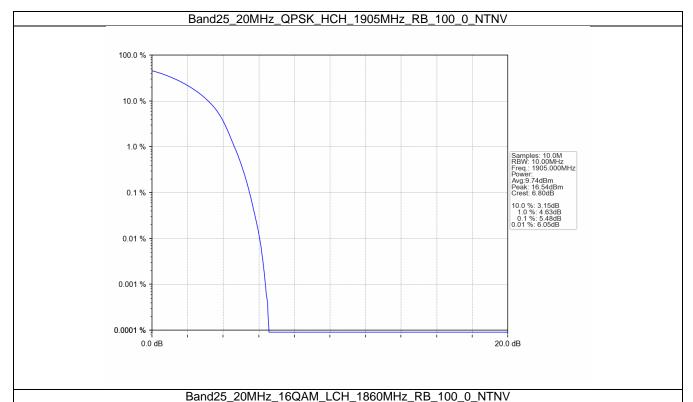
### 5.2.6 B25\_20MHz

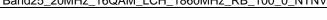


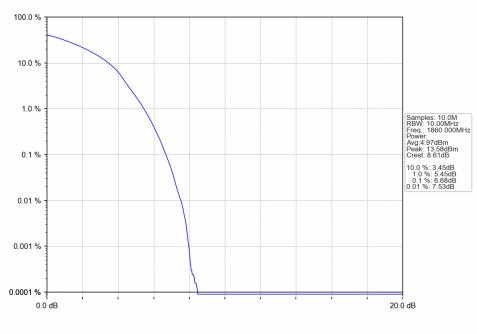




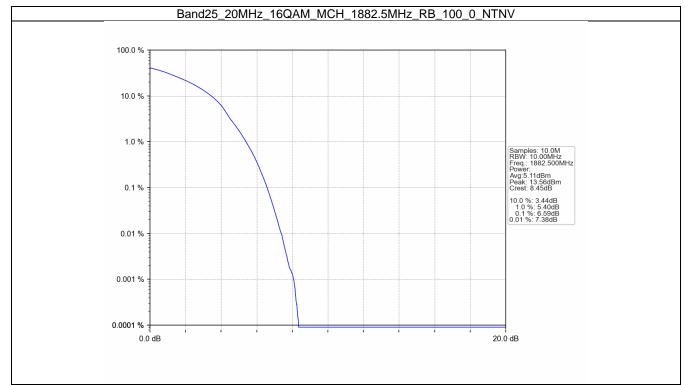


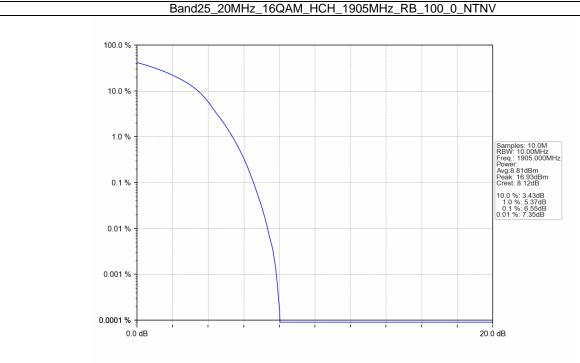














# 6. Spurious Emission

## 6.1 Test Result

# 6.1.1 B25\_1.4MHz

		Bai	nd: 25 / Bandwidth:	1.4MHz / NTNV		
Modulation	Frequency	RB All	ocation	Spurious Emission		Verdict
viodulation	(MHz)	Size	Offset	Result Limit		
	1850.7	1	0	Refer To Test	Graph	Pass
	1650.7	6	0	Refer To Test Graph		Pass
ODCK	QPSK 1882.5	1	0	Refer To Test Graph		Pass
		4	0	Refer To Test Graph		Pass
	1914.3	1914.3	5	Refer To Test	Graph	Pass
		6	0	Refer To Test Graph		Pass
	1850.7	1	0	Refer To Test	Graph	Pass
	1000.7	6	0	Refer To Test	Refer To Test Graph	
16QAM	1882.5	1	0	Refer To Test	Graph	Pass
IOQAW		1914.3	0	Refer To Test Graph		Pass
	1914.3		5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

## 6.1.2 B25\_3MHz

		Ba	and: 25 / Bandwidth	n: 3MHz / NTNV		
Modulation	Frequency	RB All	ocation	Spurious Emission		Verdict
Modulation	(MHz)	Size	Offset	Result	Limit	verdict
1851.5		1	0	Refer To Test	Graph	Pass
	QPSK 1882.5	15	0	Refer To Test Graph		Pass
OBSK		1	0	Refer To Test Graph		Pass
QF3N _		1	0	Refer To Test Graph		Pass
1913.5	1913.5	1913.5	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1851.5	1	0	Refer To Test Graph		Pass
	1001.0	15	0	Refer To Test	Graph	Pass
16QAM	1882.5	1	0	Refer To Test	Graph	Pass
TOQAIVI		1913.5	0	Refer To Test Graph		Pass
	1913.5		14	Refer To Test Graph		Pass
		15	0			Pass

# 6.1.3 B25\_5MHz

		Ва	and: 25 / Bandwidth	: 5MHz / NTNV		
Modulation	Frequency	RB All	ocation	Spurious Emission		\/ P (
	(MHz)	Size	Offset	Result	Limit	Verdict
1852	10E0 E	1	0	Refer To Test Graph		Pass
	1002.0	1652.5		0	Refer To Test	Graph
QPSK	1882.5	1	0	Refer To Test Graph		Pass
QPSK _	4	1	0	Refer To Test	Graph	Pass
	1912.5	I	24	Refer To Test	Graph	Pass
		25	0	Refer To Test Graph		Pass
16QAM	1852.5	1	0	Refer To Test	Graph	Pass



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	25	0	Refer To Test Graph	Pass
1882.5	1	0	Refer To Test Graph	Pass
	4	0	Refer To Test Graph	Pass
1912.5	1	24	Refer To Test Graph	Pass
	25	0	Refer To Test Graph	Pass

# 6.1.4 B25\_10MHz

		Ba	nd: 25 / Bandwidth:	: 10MHz / NTNV		
Madulation	Frequency	RB All	ocation	Spurious Emission		Verdict
Modulation	(MHz)	Size	Offset	Result	Limit	verdict
	1855	1	0	Refer To Test	t Graph	Pass
	1000	50	0	Refer To Test Graph		Pass
QPSK 1882.5	1882.5	1	0	Refer To Test Graph		Pass
		1910	0	Refer To Test Graph		Pass
	1910		49	Refer To Test	t Graph	Pass
		50	0	Refer To Test Graph		Pass
	1855	1	0	Refer To Test	t Graph	Pass
	1000	50	0	Refer To Test Graph		Pass
16QAM	1882.5	1	0	Refer To Test	t Graph	Pass
IOQAIVI		1 -	0	Refer To Test Graph		Pass
	1910		49	Refer To Test Graph		Pass
		50	0			Pass

# 6.1.5 B25\_15MHz

		Ba	ind: 25 / Bandwidth:	: 15MHz / NTNV		
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	Verdict
QPSK -	1857.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1907.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	1857.5	1	0	Refer To Test	Graph	Pass
		75	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1907.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

# 6.1.6 B25\_20MHz

		Baı	nd: 25 / Bandwidtl	h: 20MHz / NTNV		
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Vardiet
		Size	Offset	Result	Limit	Verdict
QPSK -	1860	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1905	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	1860	1	0	Refer To Test Graph		Pass



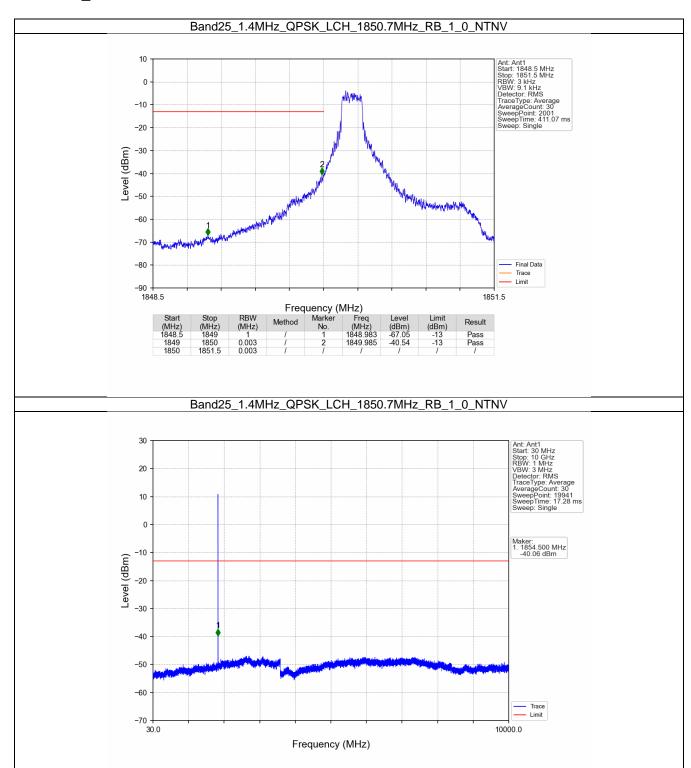
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	100	0	Refer To Test Graph	Pass
1882.5	1	0	Refer To Test Graph	Pass
1905	1	0	Refer To Test Graph	Pass
		99	Refer To Test Graph	Pass
	100	0	Refer To Test Graph	Pass

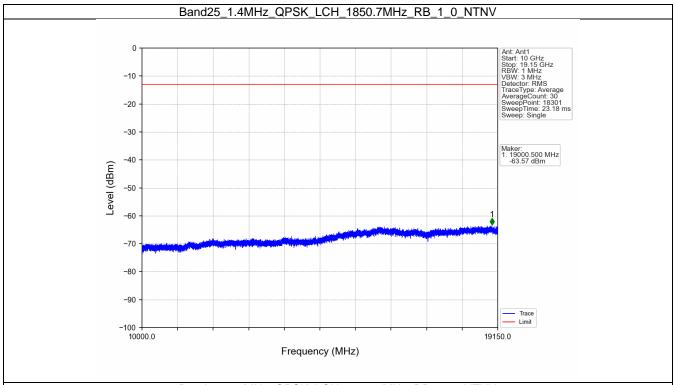


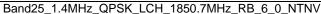
# 6.2 Test Graph

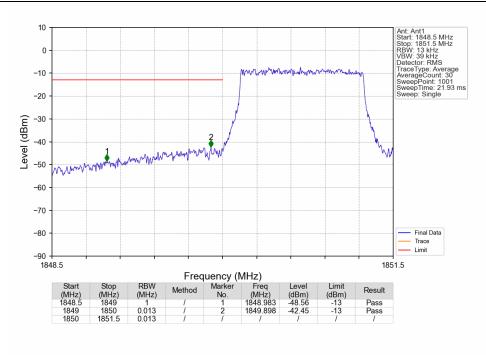
## 6.2.1 B25\_1.4MHz



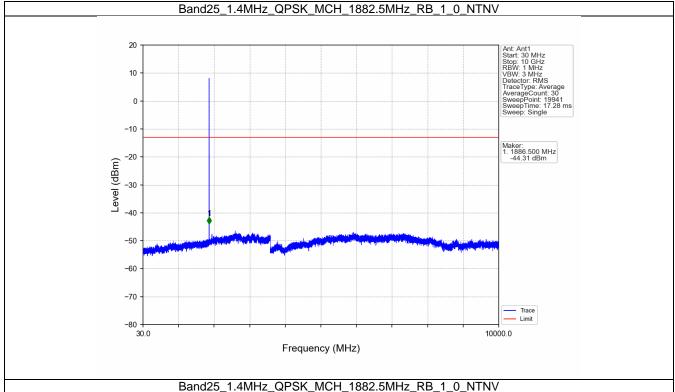


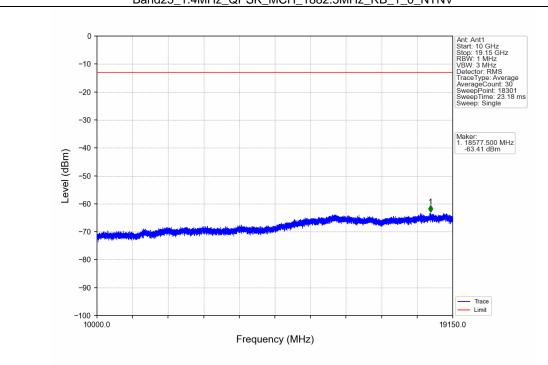




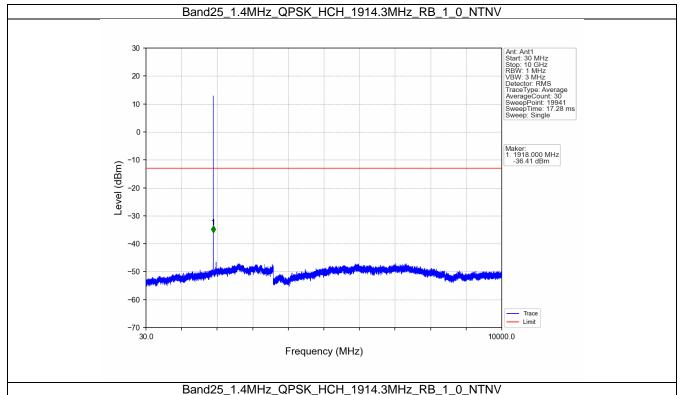


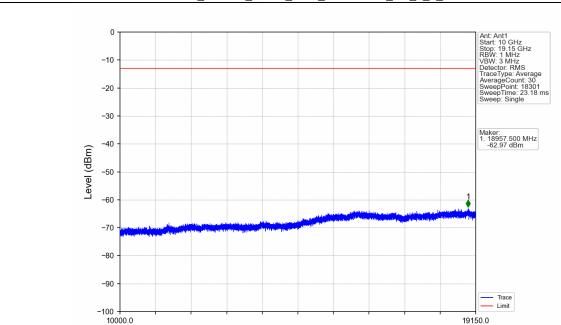






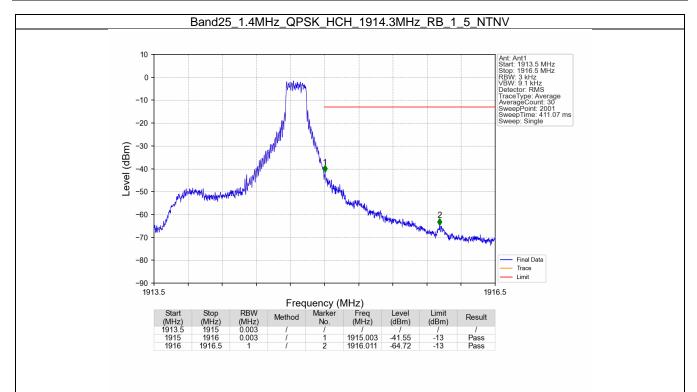




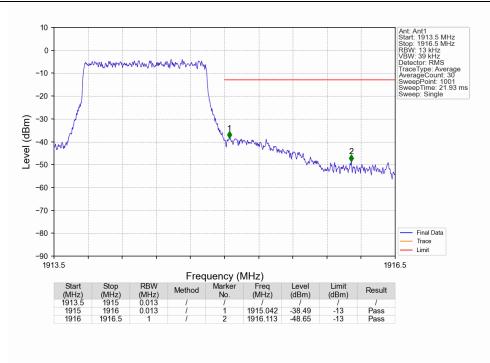


Frequency (MHz)

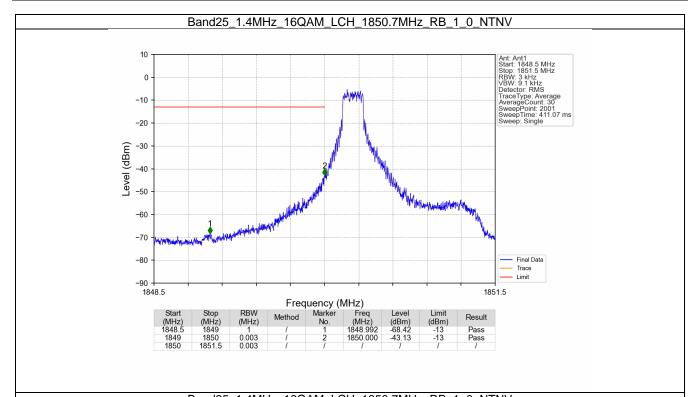


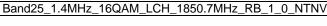


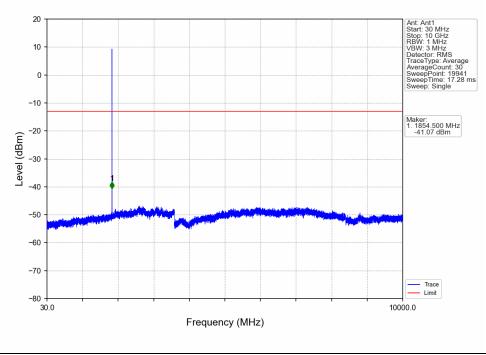






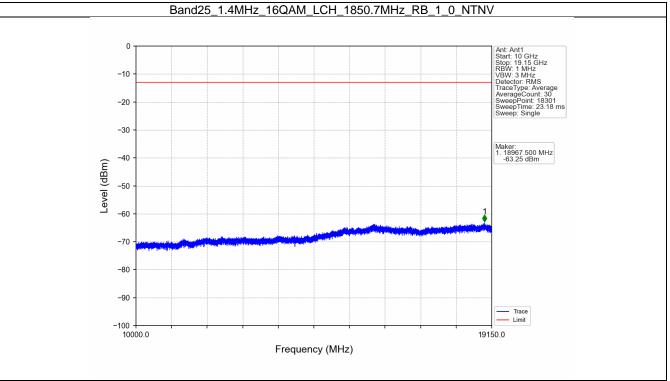




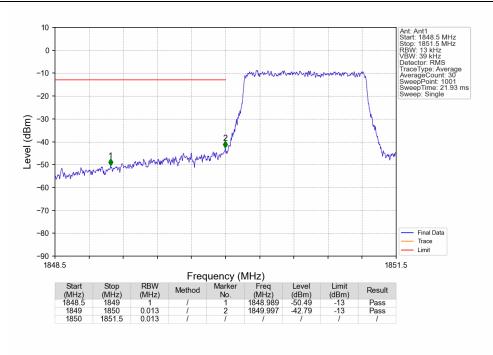




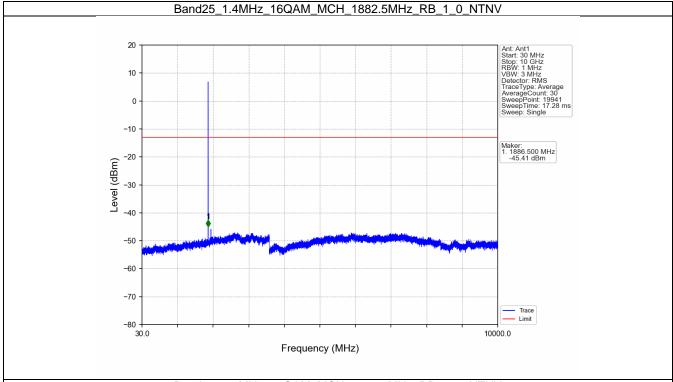




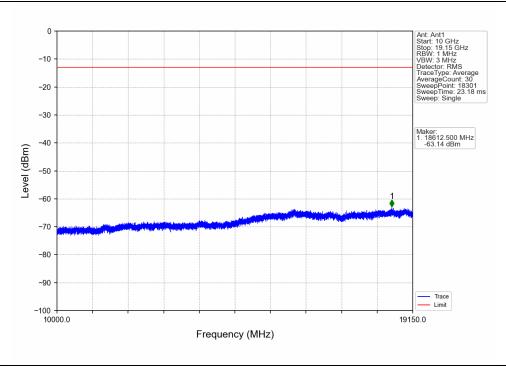
#### Band25\_1.4MHz\_16QAM\_LCH\_1850.7MHz\_RB\_6\_0\_NTNV







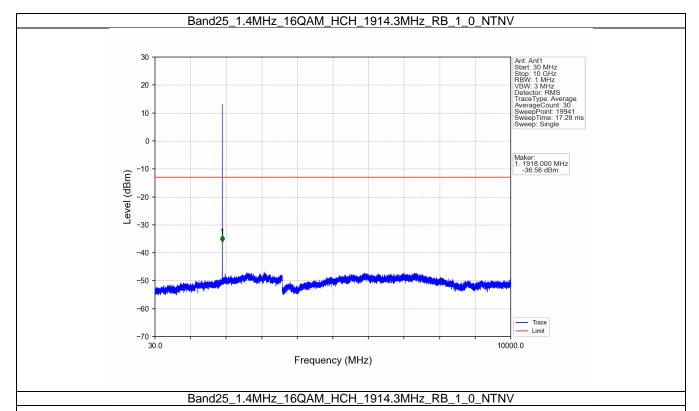


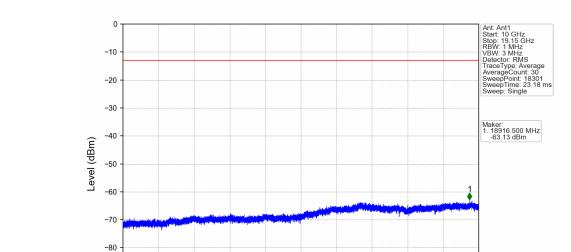




Trace

19150.0





Frequency (MHz)

-90

-100 <del>|</del> 10000.0

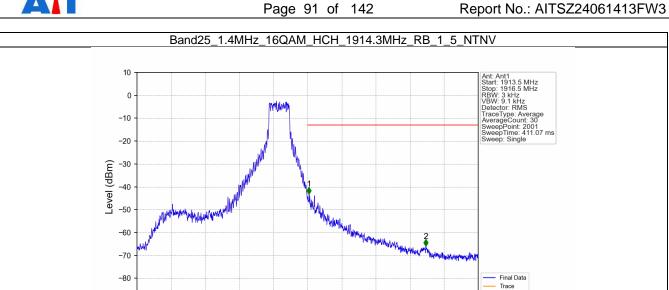
-90 <del>|</del> 1913.5

Start (MHz) 1913.5 1915 1916

Stop (MHz) 1915 1916 1916.5

RBW (MHz) 0.003 0.003

Method



### Band25\_1.4MHz\_16QAM\_HCH\_1914.3MHz\_RB\_6\_0\_NTNV

1915.012 1916.040

Frequency (MHz)
ethod Marker Freq
No. (MHz)

1916.5

Result

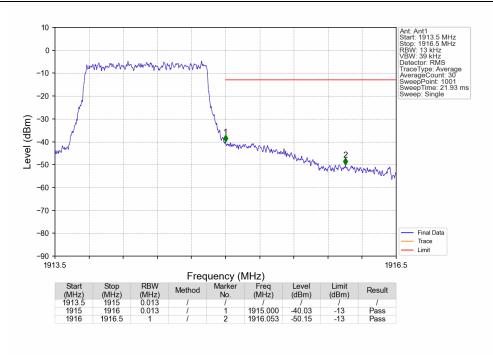
Pass Pass

Limit (dBm)

-13 -13

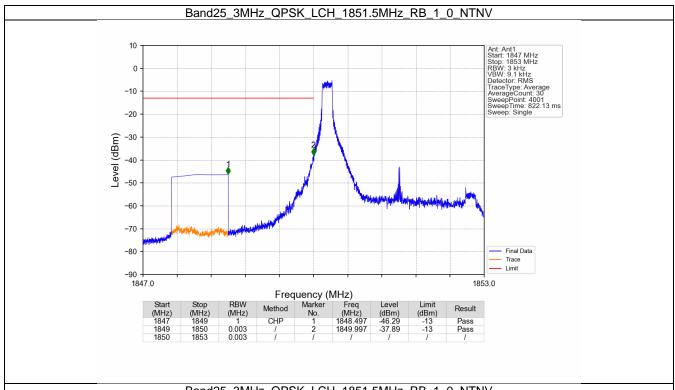
(dBm)

-43.19 -66.01

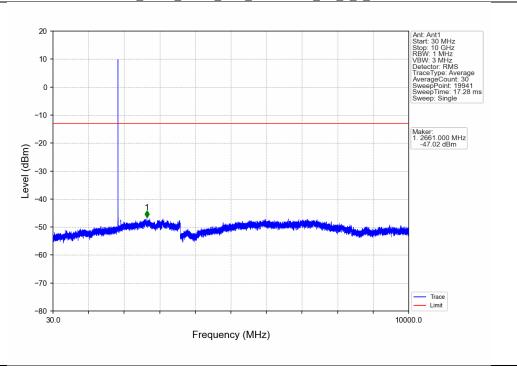




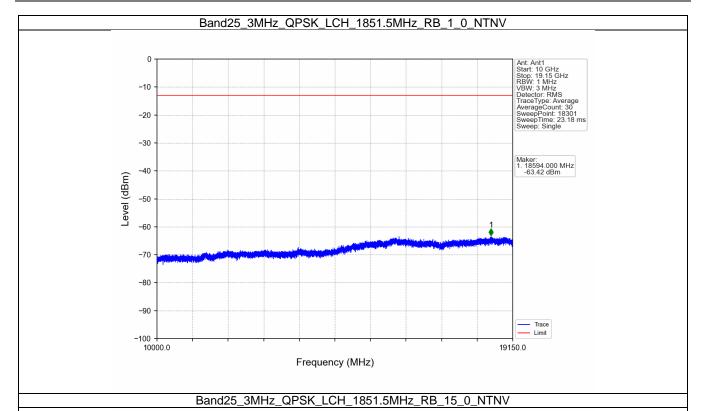
# 6.2.2 B25\_3MHz

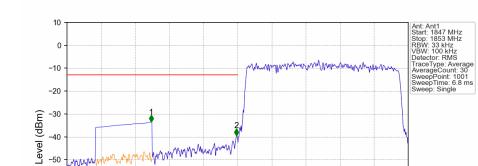


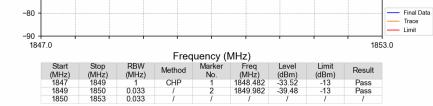












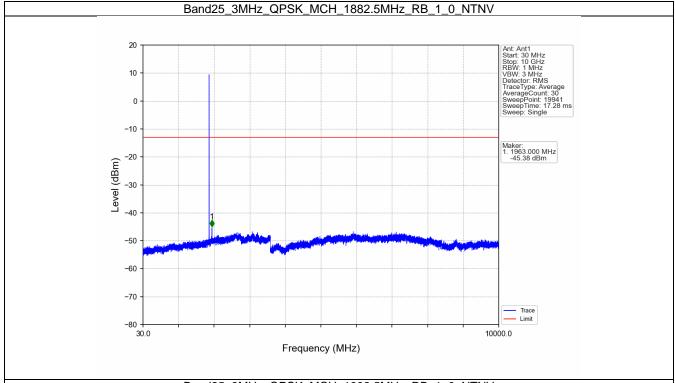
-50

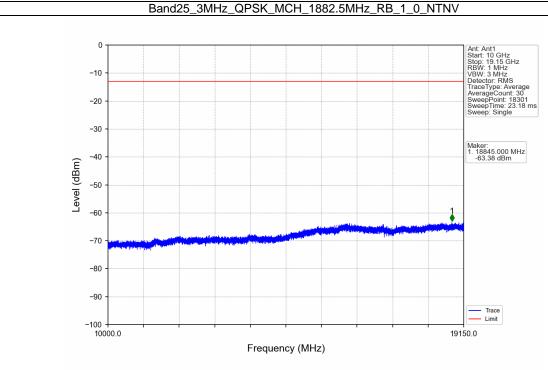
-60 -70

-80

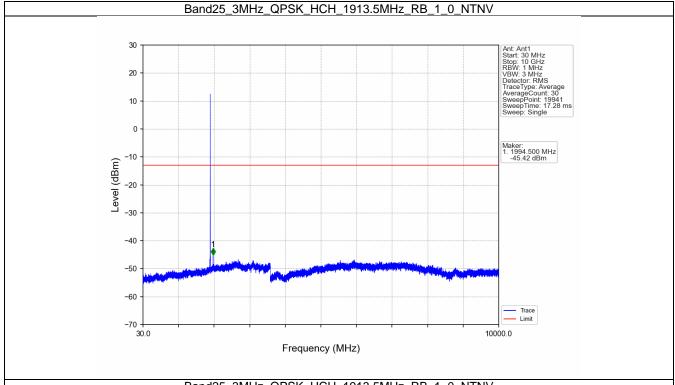
MMMMM

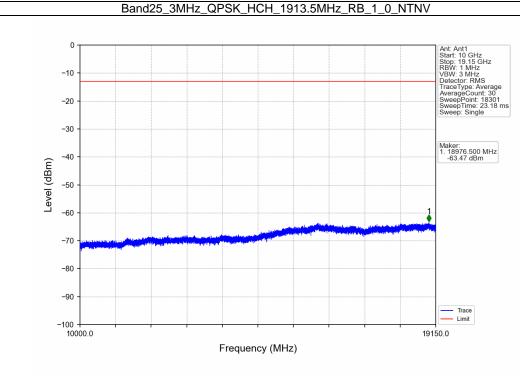




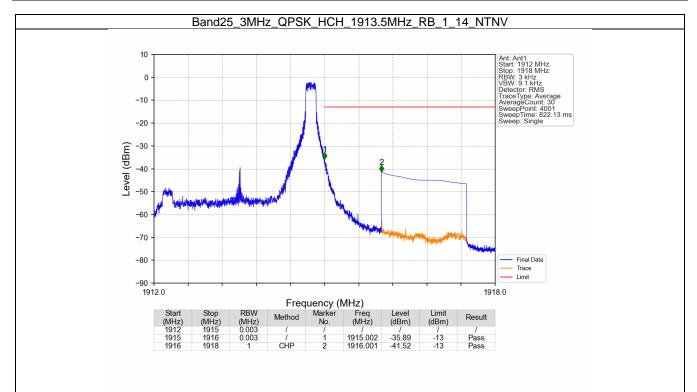




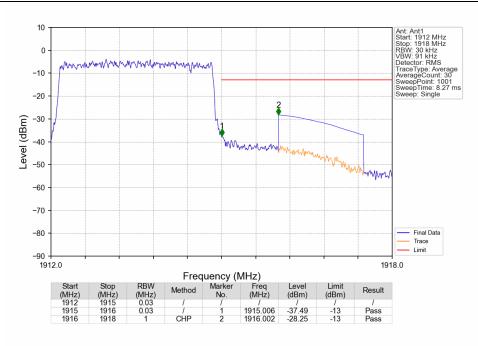




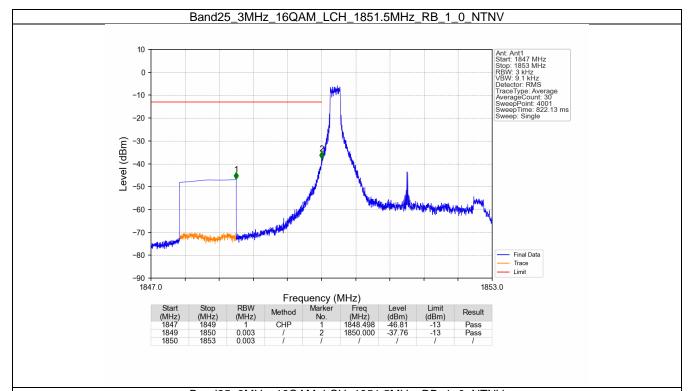


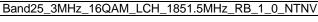


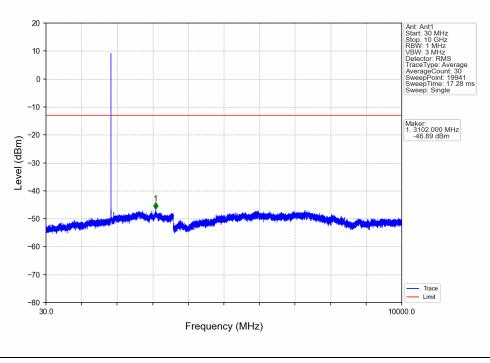
### Band25\_3MHz\_QPSK\_HCH\_1913.5MHz\_RB\_15\_0\_NTNV



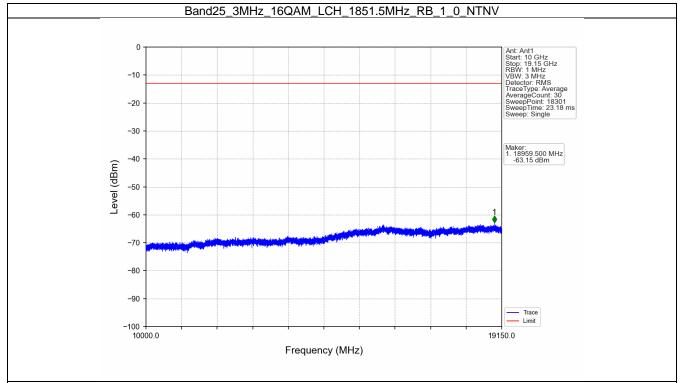




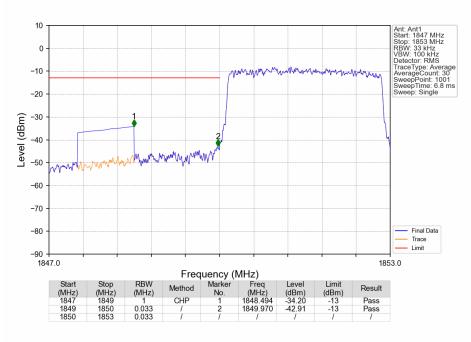




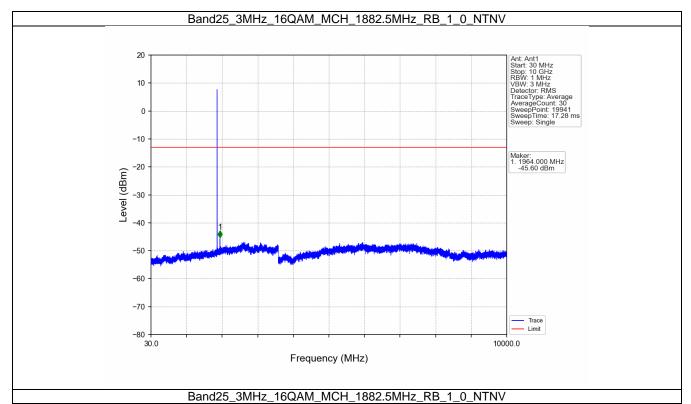


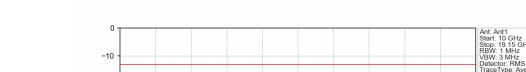


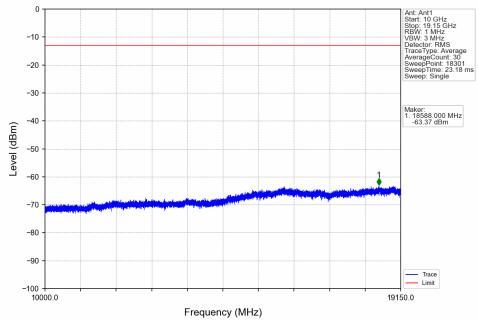




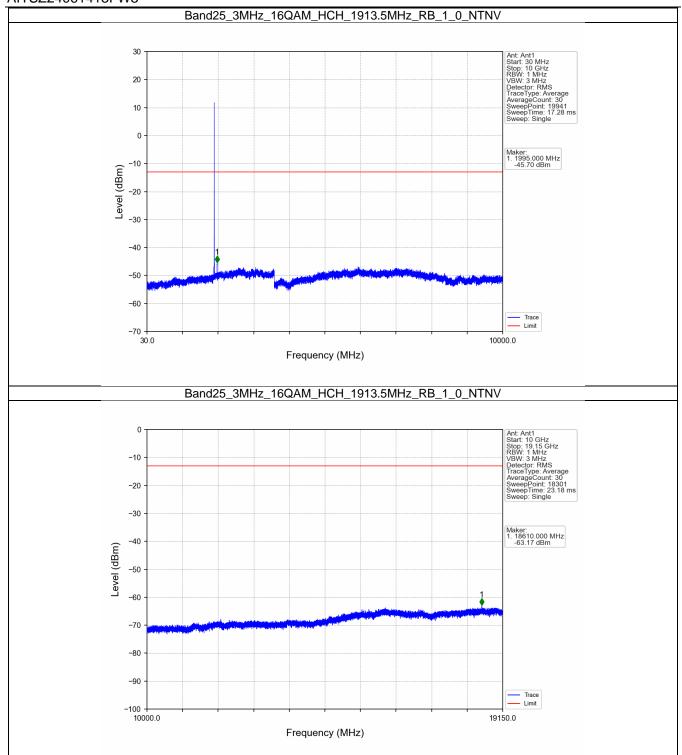




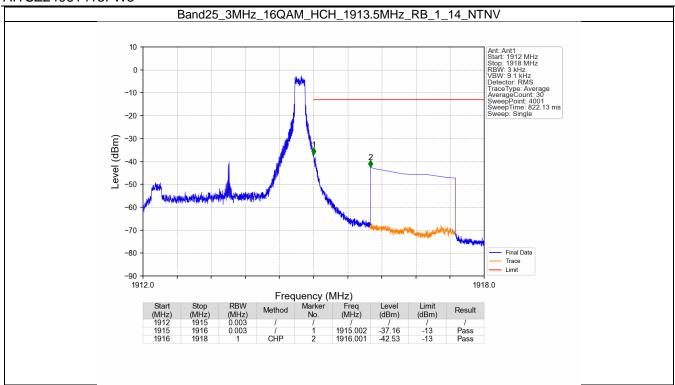




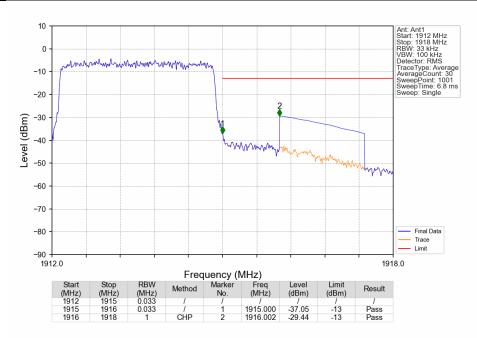








# Band25\_3MHz\_16QAM\_HCH\_1913.5MHz\_RB\_15\_0\_NTNV



— Trace
— Limit

10000.0

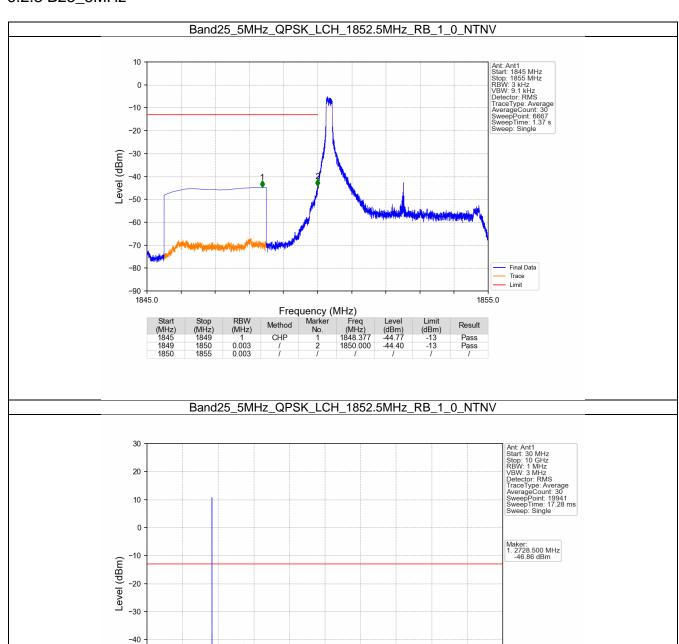


# 6.2.3 B25\_5MHz

-50

-60

-70 <del>↓</del> 30.0



Frequency (MHz)



