



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B4_1.4MHz

	Band: 4 / Bandwidth: 1.4MHz / NTNV								
Mandadatian	Frequency	RB Allo	ocation	Peak-Averaç	ge Ratio (dB)	\/a nalia4			
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict			
QPSK	1710.7	6	0	5.26	<=13	Pass			
	1732.5	6	0	5.60	<=13	Pass			
	1754.3	6	0	5.39	<=13	Pass			
	1710.7	6	0	5.98	<=13	Pass			
16QAM	1732.5	6	0	6.42	<=13	Pass			
	1754.3	6	0	6.16	<=13	Pass			

5.1.2 B4_3MHz

		Bar	nd: 4 / Bandwidth	: 3MHz / NTNV		
Madulation	Frequency	RB Allo	cation	Peak-Averag	e Ratio (dB)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict
	1711.5	15	0	5.34	<=13	Pass
QPSK	1732.5	15	0	5.58	<=13	Pass
	1753.5	15	0	5.39	<=13	Pass
	1711.5	15	0	6.11	<=13	Pass
16QAM	1732.5	15	0	6.37	<=13	Pass
	1753.5	15	0	6.22	<=13	Pass

5.1.3 B4_5MHz

		Bai	nd: 4 / Bandwidth	: 5MHz / NTNV		
Modulation	Frequency	RB Allo	ocation	Peak-Averag	ge Ratio (dB)	\
Modulation	(MHz)	Size	Offset	Result	Limit	Verdict
	1712.5	25	0	5.47	<=13	Pass
QPSK	1732.5	25	0	5.62	<=13	Pass
	1752.5	25	0	5.53	<=13	Pass
	1712.5	25	0	6.14	<=13	Pass
16QAM	1732.5	25	0	6.37	<=13	Pass
i	1752.5	25	0	6.25	<=13	Pass

5.1.4 B4_10MHz

		Ban	d: 4 / Bandwidth	: 10MHz / NTNV		
Modulation	Frequency	RB Allocation		Peak-Averag	ge Ratio (dB)	Verdict
Modulation	(MHz)	Size	Offset	Result	Limit	verdict
	1715	50	0	5.60	<=13	Pass
QPSK	1732.5	50	0	5.64	<=13	Pass
	1750	50	0	5.57	<=13	Pass
16QAM	1715	50	0	6.24	<=13	Pass

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1732.5	50	0	6.39	<=13	Pass
1750	50	0	6.30	<=13	Pass

5.1.5 B4_15MHz

		Ban	d: 4 / Bandwidth:	: 15MHz / NTNV		
Modulation	Frequency	RB Allo	ocation	Peak-Averaç	ge Ratio (dB)	Verdict
Modulation	(MHz)	Size	Offset	Result	Limit	verdict
	1717.5	75	0	5.24	<=13	Pass
QPSK	1732.5	75	0	5.20	<=13	Pass
	1747.5	75	0	5.15	<=13	Pass
	1717.5	75	0	6.19	<=13	Pass
16QAM	1732.5	75	0	6.22	<=13	Pass
	1747.5	75	0	6.20	<=13	Pass

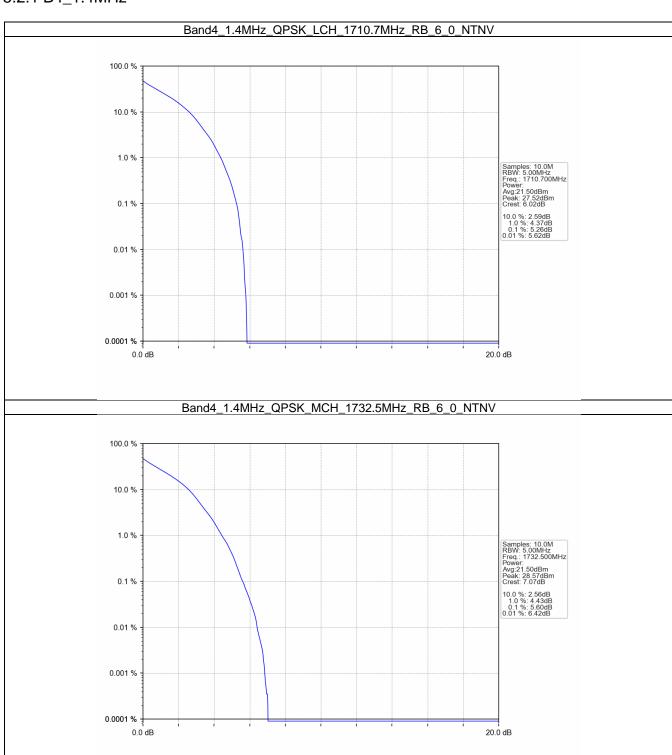
5.1.6 B4_20MHz

		Ban	d: 4 / Bandwidth	: 20MHz / NTNV		
Modulation	Frequency	RB Allo	ocation	Peak-Avera	ge Ratio (dB)	Verdict
Modulation	(MHz)	Size	Offset	Result	Limit	verdict
	1720	100	0	5.61	<=13	Pass
QPSK	1732.5	100	0	5.69	<=13	Pass
	1745	100	0	5.68	<=13	Pass
	1720	100	0	6.59	<=13	Pass
16QAM	1732.5	100	0	6.59	<=13	Pass
	1745	100	0	6.58	<=13	Pass

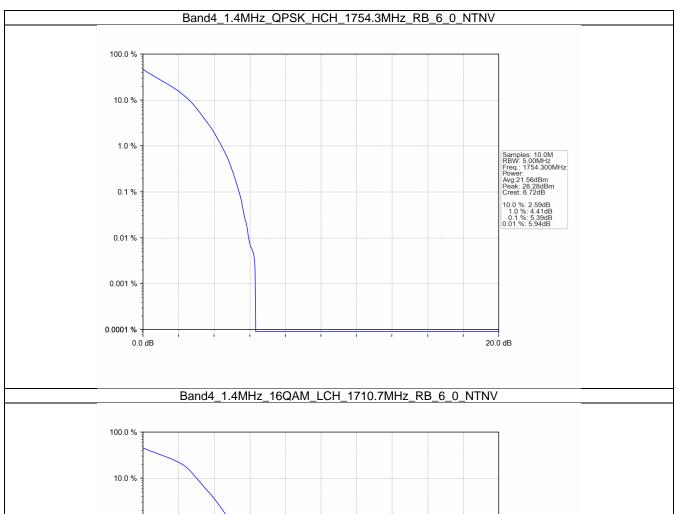


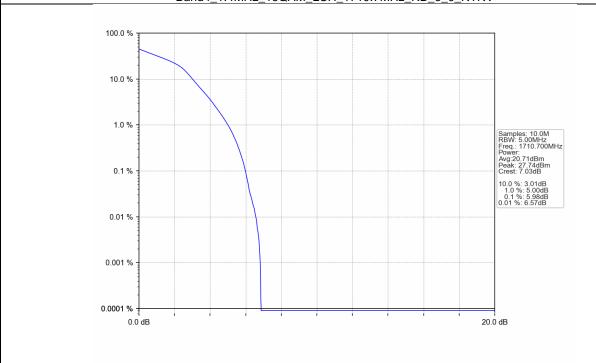
5.2 Test Graph

5.2.1 B4_1.4MHz

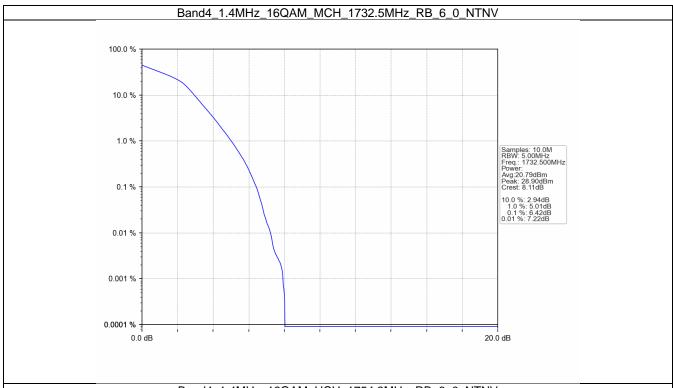


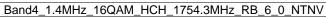


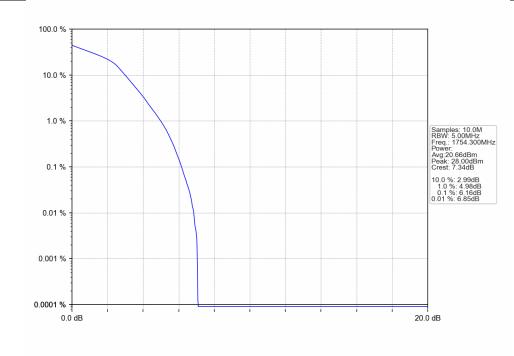






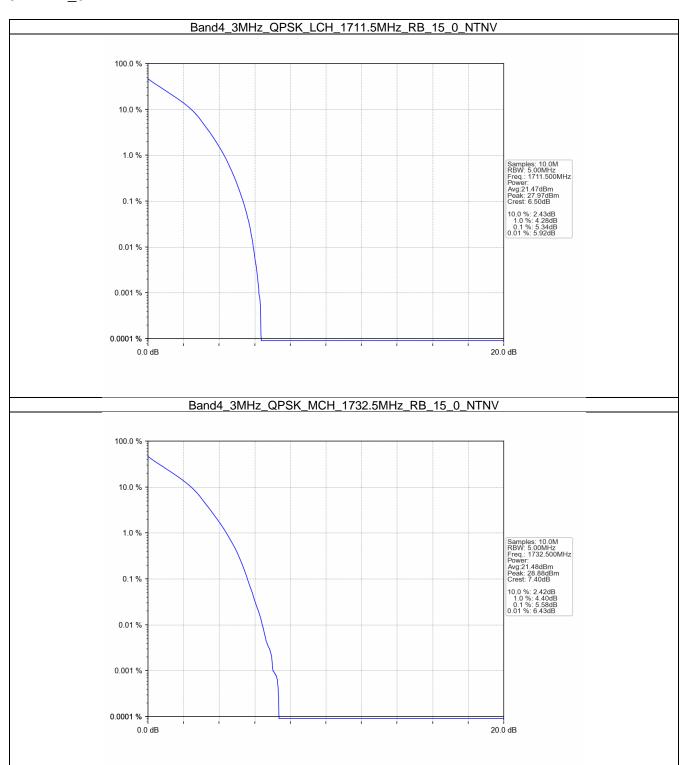








5.2.2 B4_3MHz



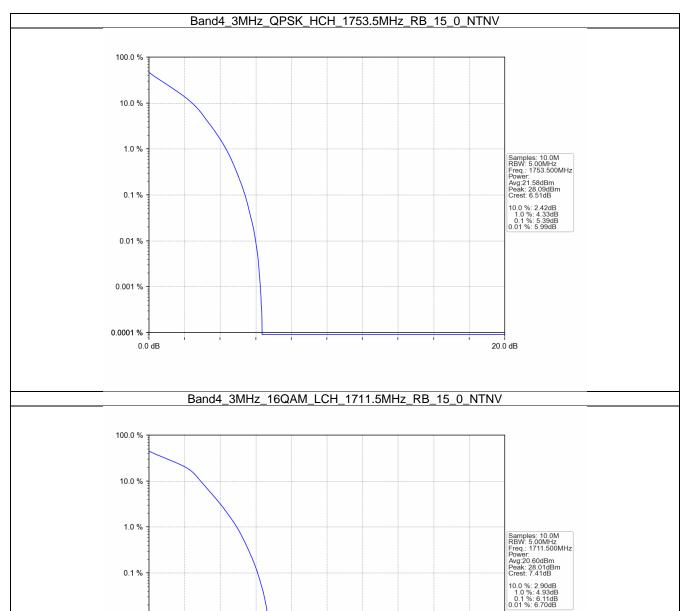
20.0 dB



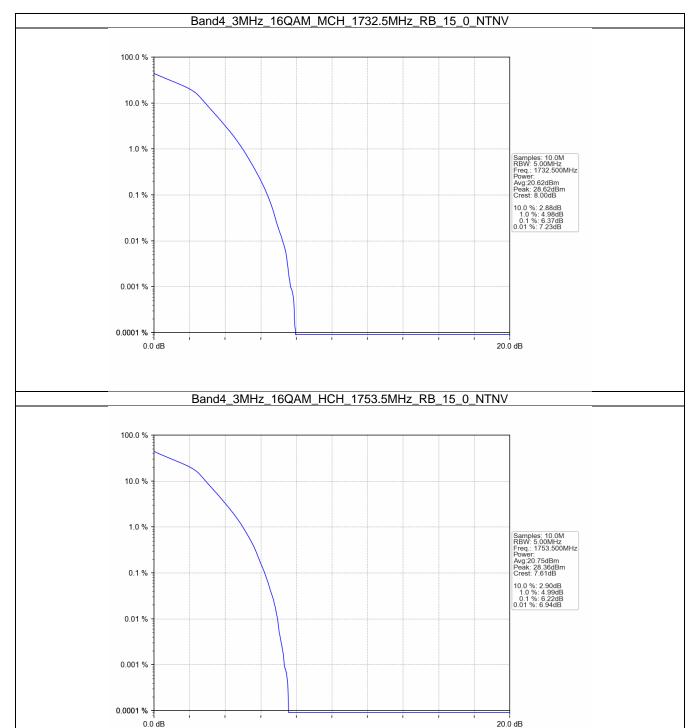
0.01 %

0.001 %

0.0001 % | 0.0 dB

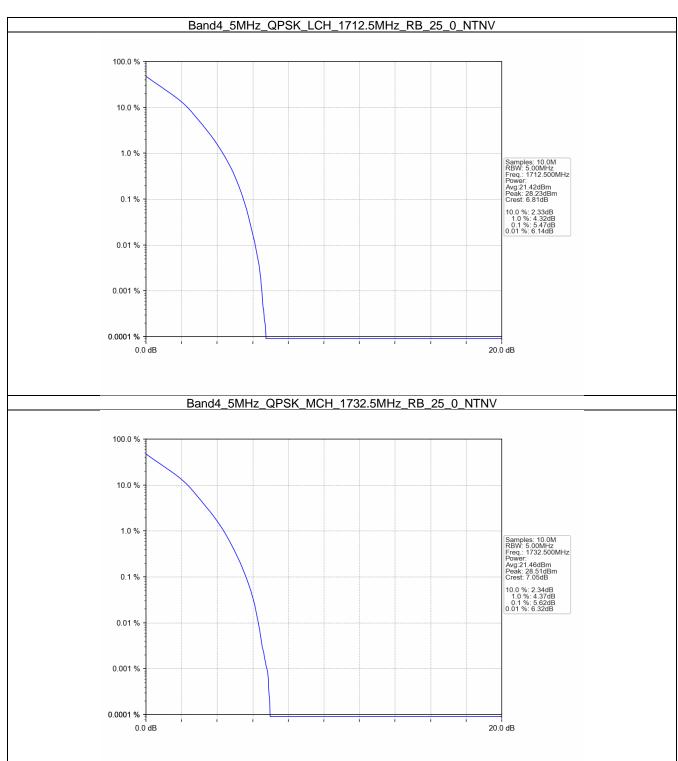




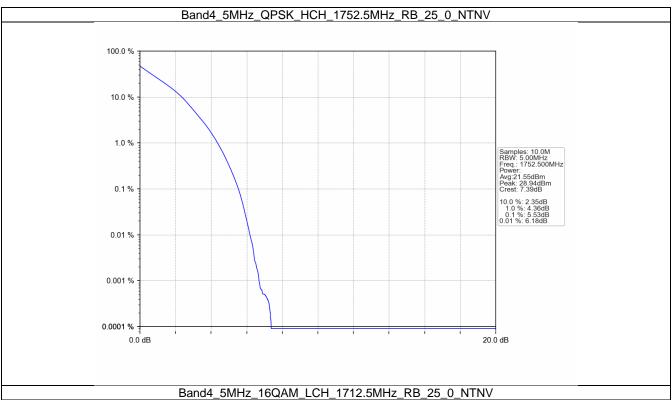


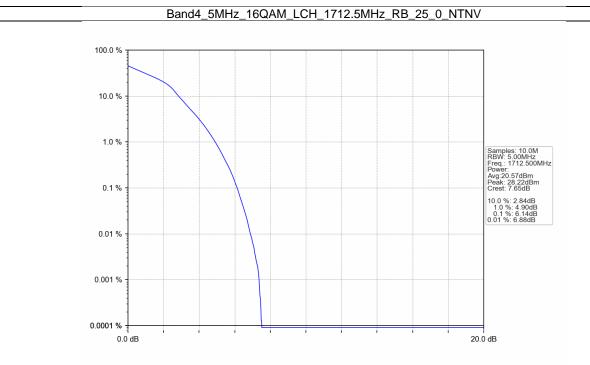


5.2.3 B4_5MHz

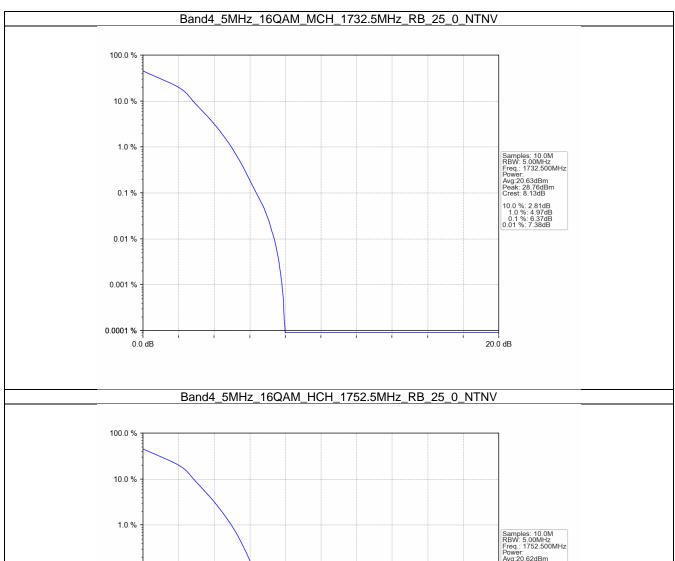


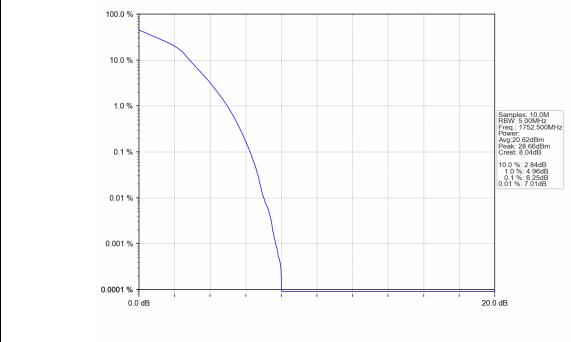






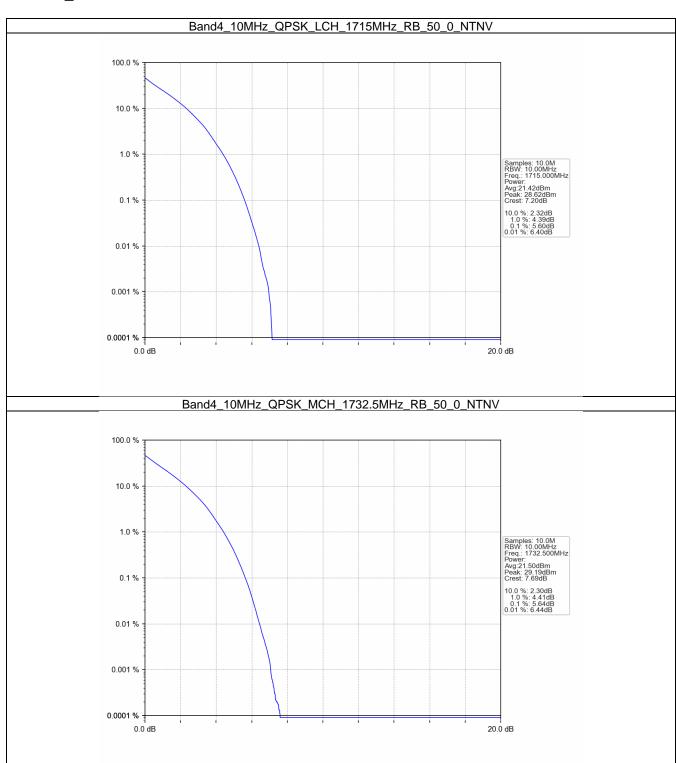








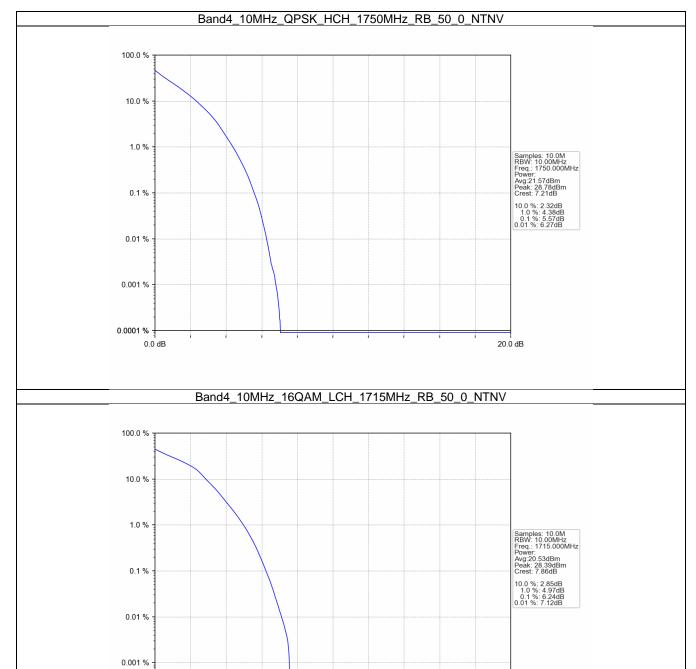
5.2.4 B4_10MHz



20.0 dB



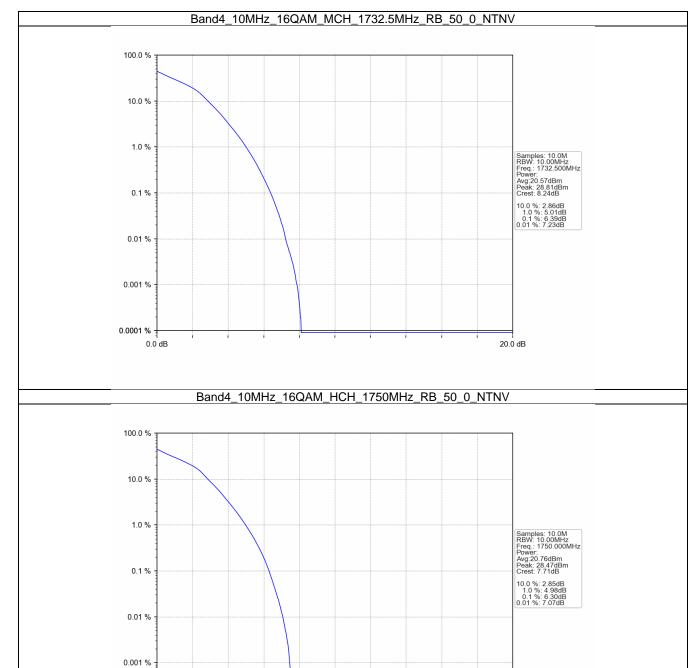
0.0001 % | 0.0 dB



20.0 dB

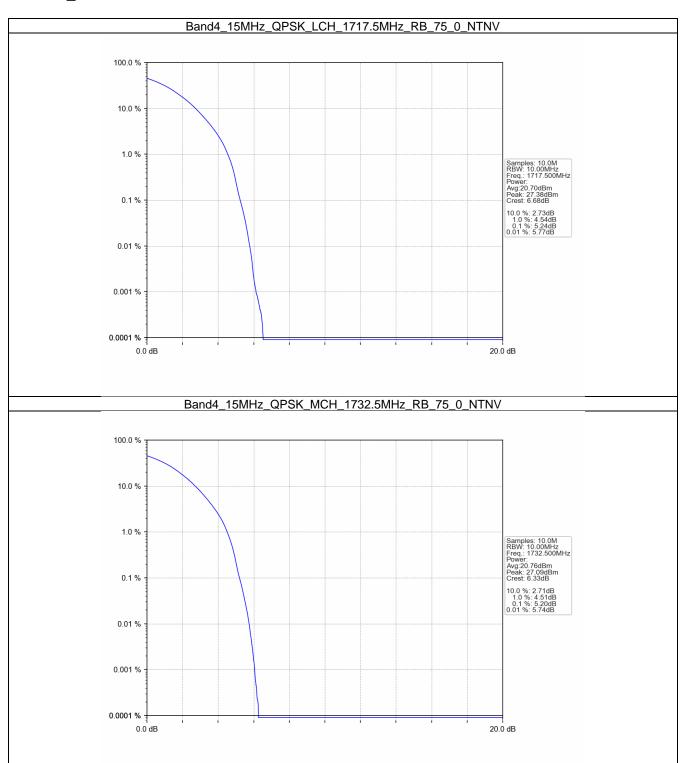


0.0001 % | 0.0 dB

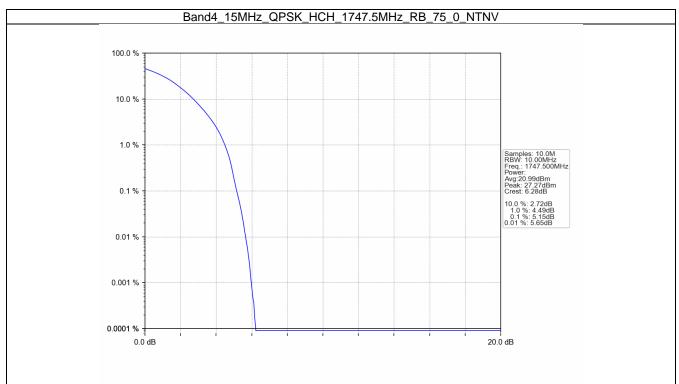


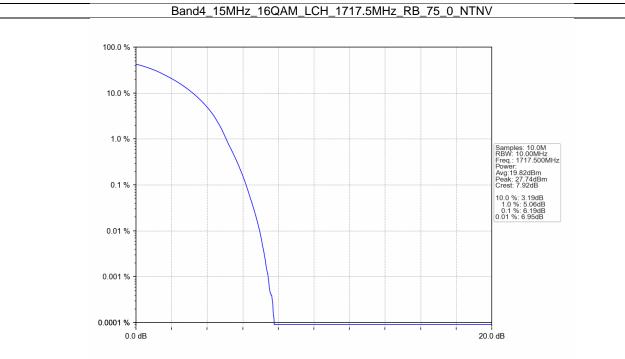


5.2.5 B4_15MHz

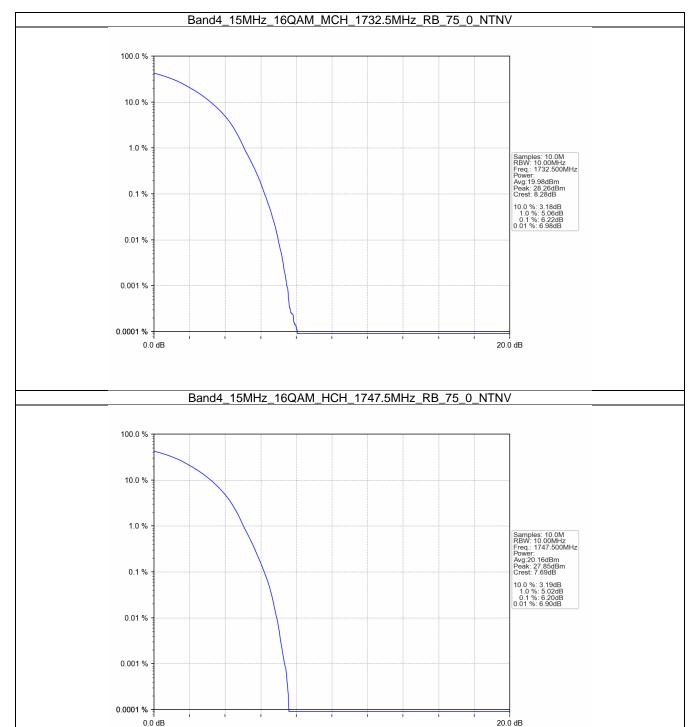






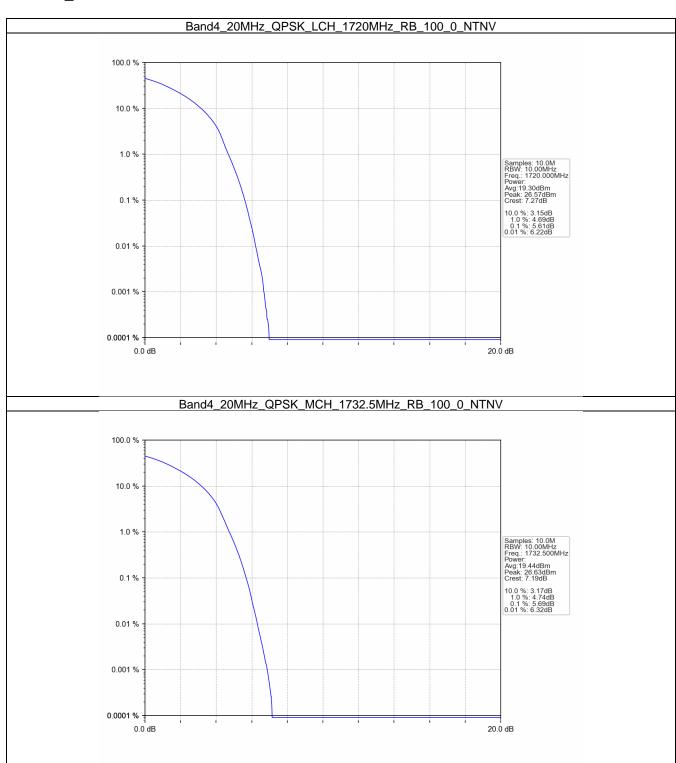




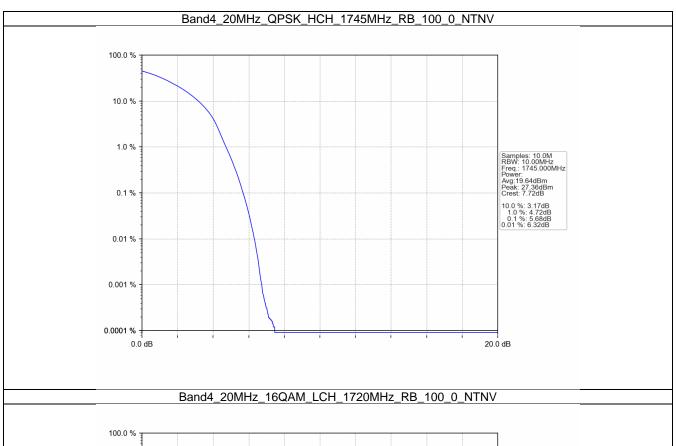


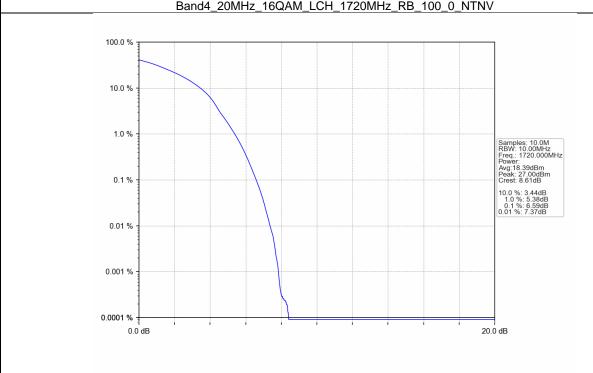


5.2.6 B4_20MHz

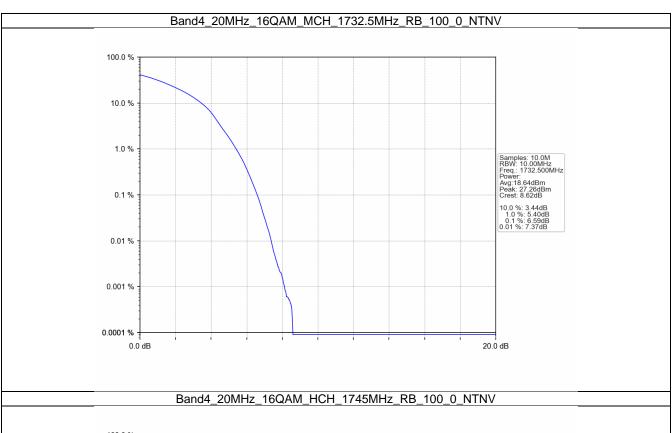


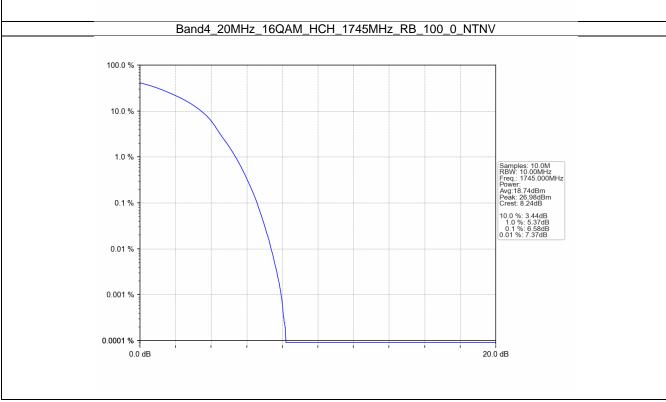














6. Spurious Emission

6.1 Test Result

6.1.1 B4_1.4MHz

		Ba	nd: 4 / Bandwidth:	1.4MHz / NTNV		
Madulation	Frequency	RB All	ocation	Spurious Emission		Verdict
Modulation	(MHz)	Size	Offset	Result	Limit	verdict
QPSK 1	1710.7	1	0	Refer To Tes	t Graph	Pass
	1710.7	6	0	Refer To Tes	t Graph	Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1754.3	0	Refer To Tes	t Graph	Pass
	1754.3		5	Refer To Tes	t Graph	Pass
		6	0	Refer To Test Graph		Pass
	1710.7	1	0	Refer To Tes	t Graph	Pass
	1710.7	6	0	Refer To Tes	t Graph	Pass
16QAM	1732.5	1	0	Refer To Tes	t Graph	Pass
IOQAIVI		1754.3	0	Refer To Test Graph		Pass
	1754.3		5	Refer To Test Graph		Pass
		6	0	Refer To Tes	t Graph	Pass

6.1.2 B4_3MHz

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

6.1.3 B4_5MHz

		Ba	and: 4 / Bandwidth	n: 5MHz / NTNV		
Modulation	Frequency	RB Alle	ocation	Spurious Emission		\
	(MHz)	Size	Offset	Result	Limit	Verdict
171	1710 F	1	0	Refer To Test Graph		Pass
	1712.5	25	0	Refer To Test Graph		Pass
ODCK	1732.5	1	0	Refer To Test Graph		Pass
QPSK		4	0	Refer To Test	Graph	Pass
17:	1752.5	1752.5	24	Refer To Test Graph		Pass
		25	0	Refer To Test	Graph	Pass

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	1710 E	1	0	Refer To Test Graph	Pass
1712.5 16QAM 1732.5	25	0	Refer To Test Graph	Pass	
	1	0	Refer To Test Graph	Pass	
IOQAW		5 1 -	0	Refer To Test Graph	Pass
	1752.5		24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B4_10MHz

		Ba	and: 4 / Bandwidth:	10MHz / NTNV		
Madulation	Frequency	RB All	ocation	Spurious Emission		Verdict
Modulation	(MHz)	Size	Offset	Result Limit		
	1715	1	0	Refer To Tes	t Graph	Pass
	1715	50	0	Refer To Tes	t Graph	Pass
QPSK	1732.5	1	0	Refer To Test Graph		Pass
		1750	0	Refer To Test Graph		Pass
	1750		49	Refer To Tes	t Graph	Pass
		50	0	Refer To Test Graph		Pass
	1715	1	0	Refer To Tes	t Graph	Pass
	1713	50	0	Refer To Test Graph		Pass
16QAM	1732.5	1	0	Refer To Tes	t Graph	Pass
IOQAIVI		1750	0	Refer To Test Graph		Pass
	1750		49	Refer To Test Graph		Pass
		50	0	Refer To Tes	t Graph	Pass

6.1.5 B4_15MHz

		Ba	and: 4 / Bandwidth:	15MHz / NTNV		
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		\/a nali a4
		Size	Offset	Result	Limit	Verdict
QPSK -	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM -	1717.5	1	0	Refer To Tes	t Graph	Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

6.1.6 B4_20MHz

		Ва	nd: 4 / Bandwidtl	n: 20MHz / NTNV		
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Vardiet
		Size	Offset	Result	Limit	Verdict
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass



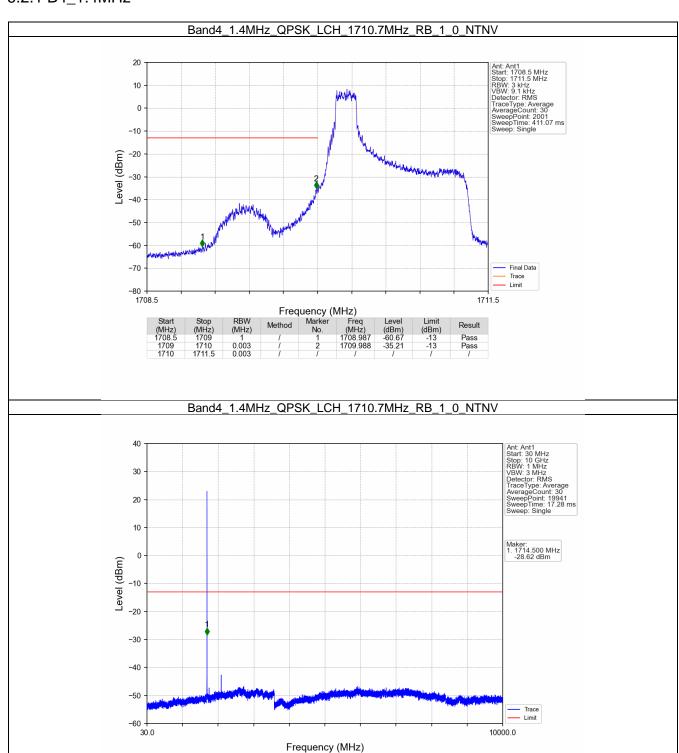
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		100	0	Refer To Test Graph	Pass
16QAM	1720	1 0 Refer To Test Graph		Pass	
		100	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1745	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

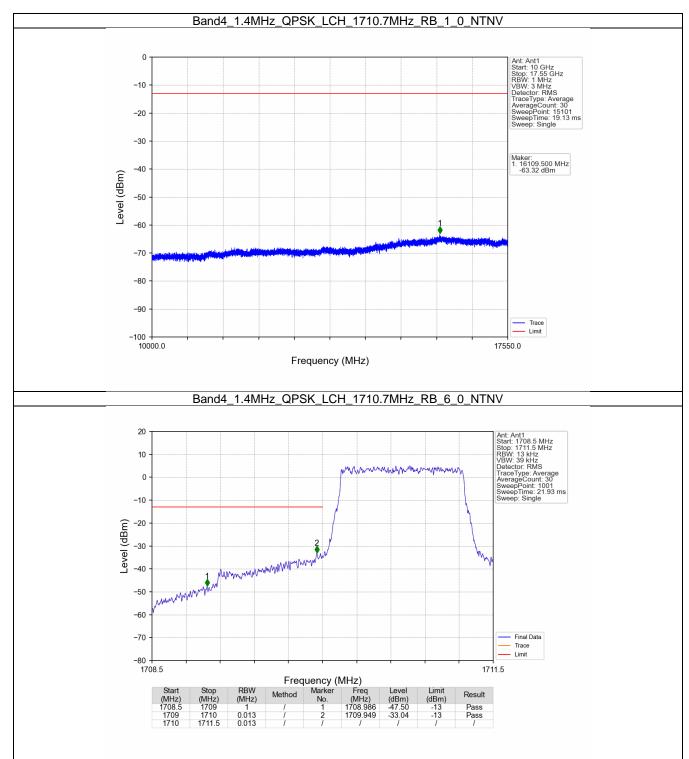


6.2 Test Graph

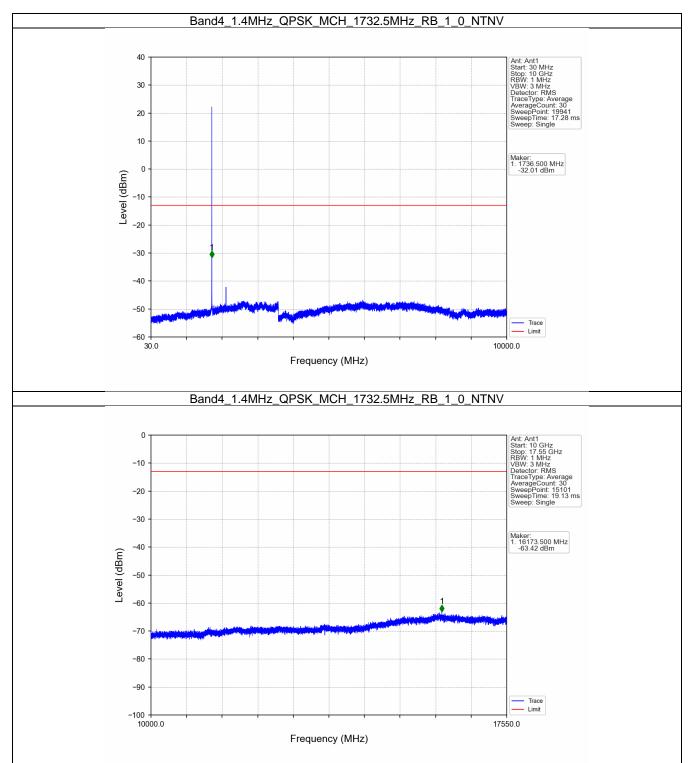
6.2.1 B4_1.4MHz



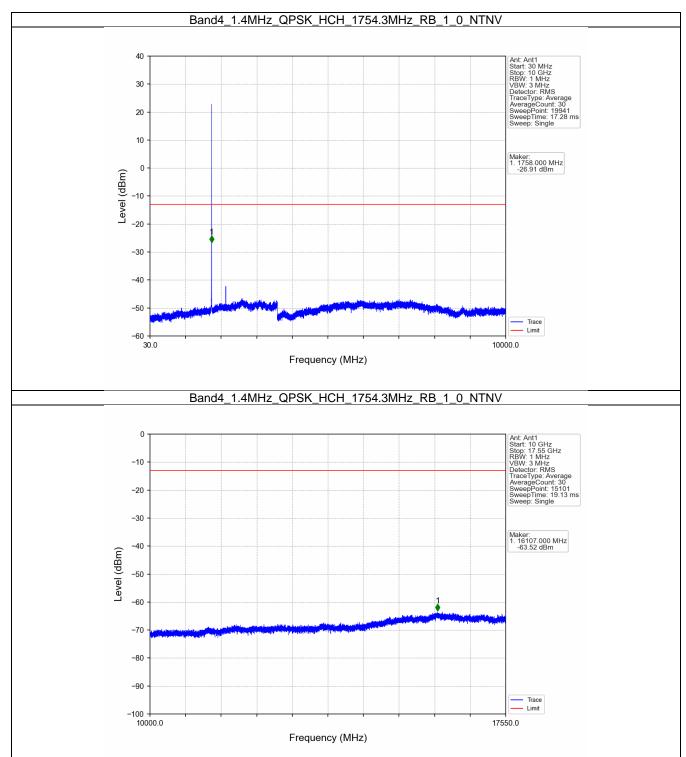




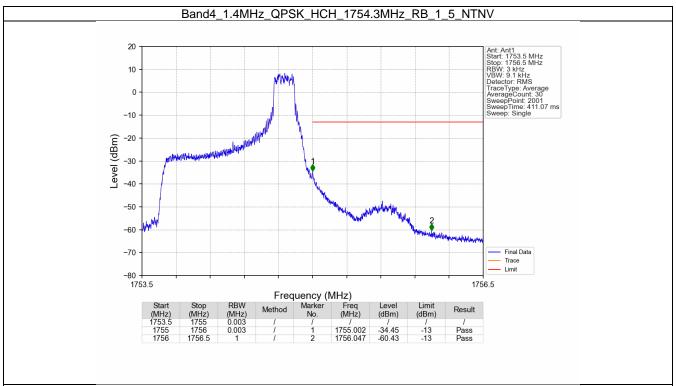




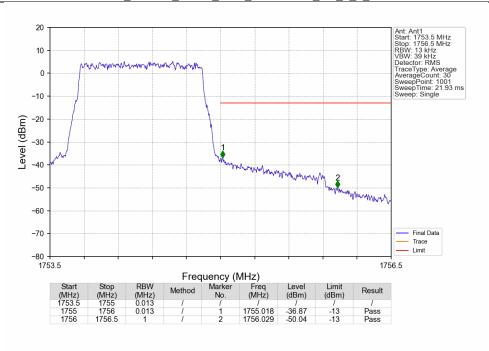




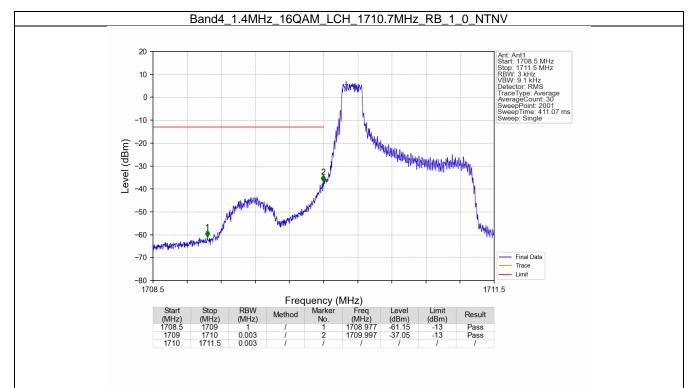




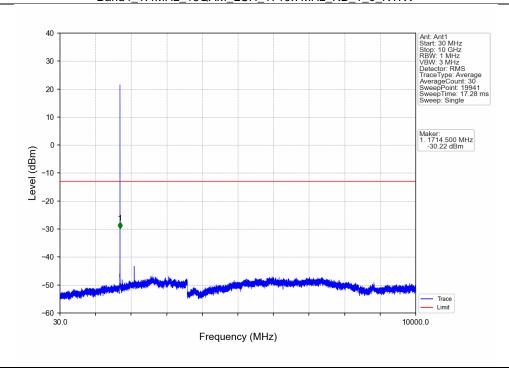
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



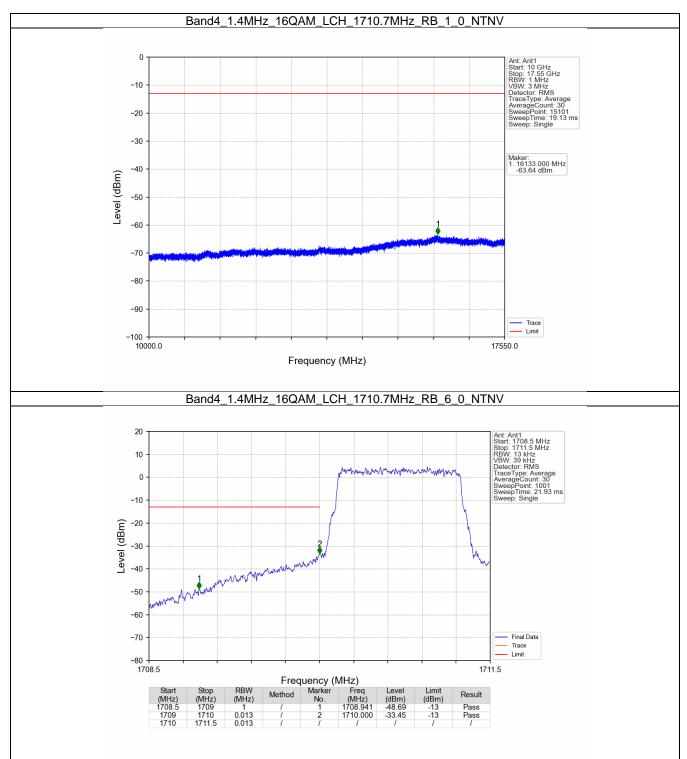




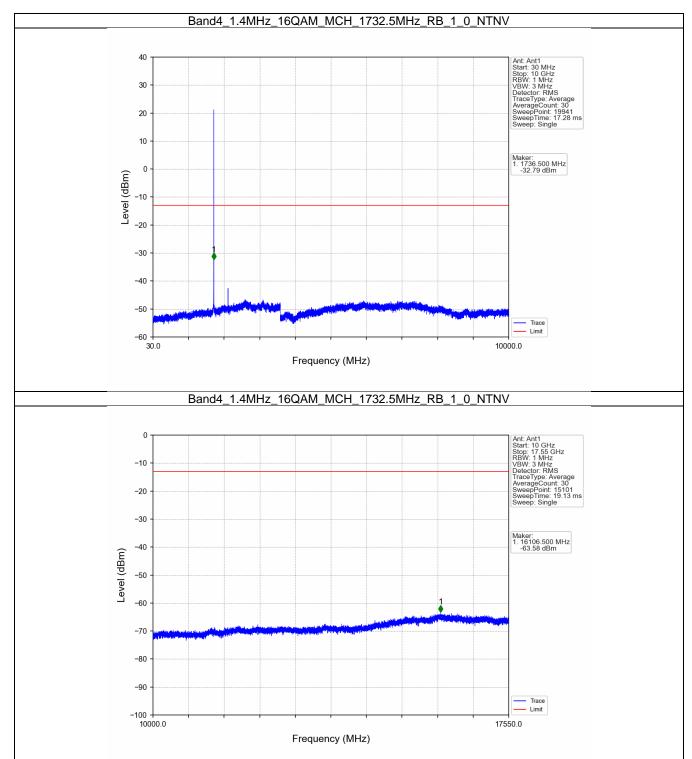




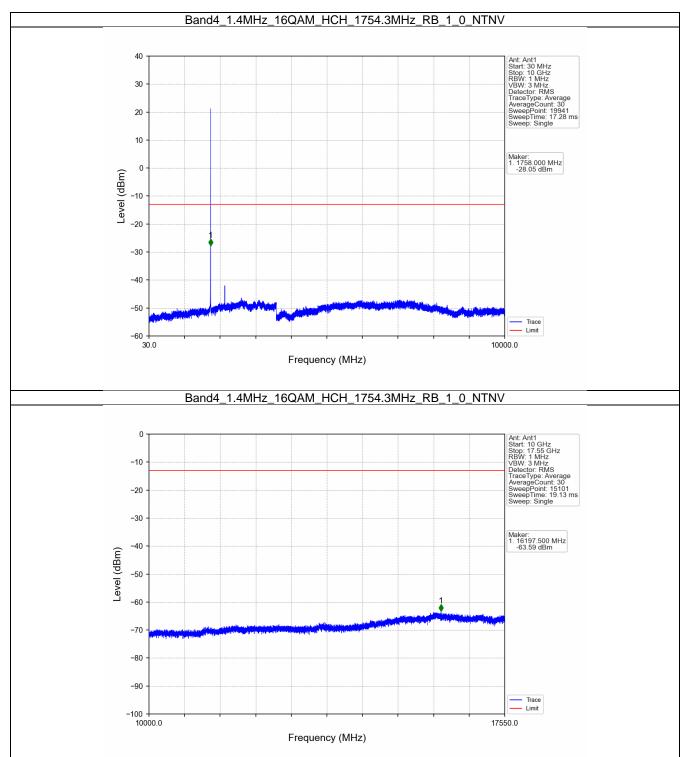




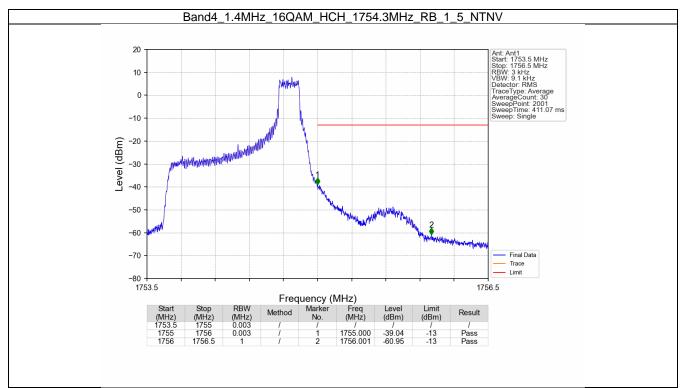


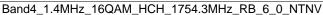


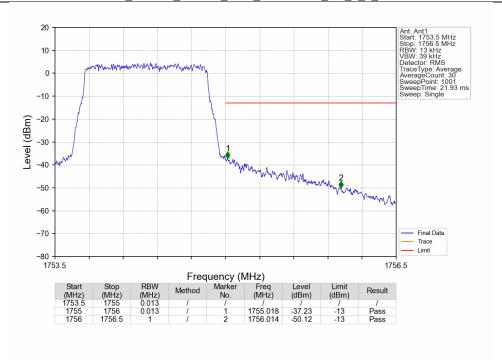






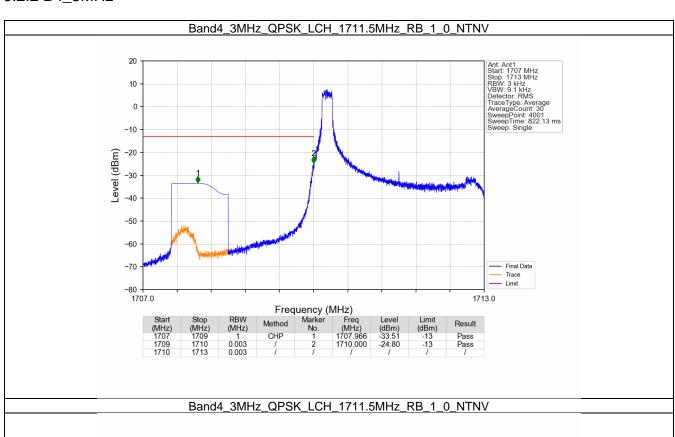


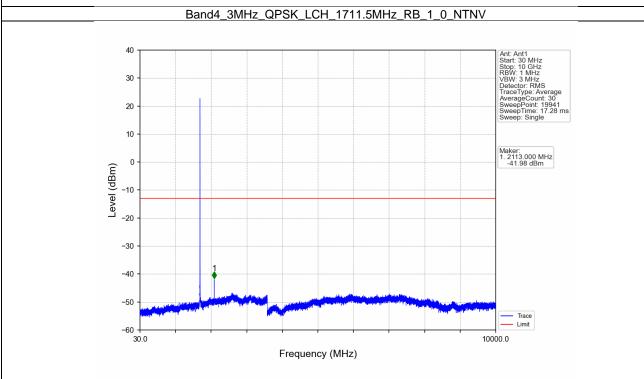




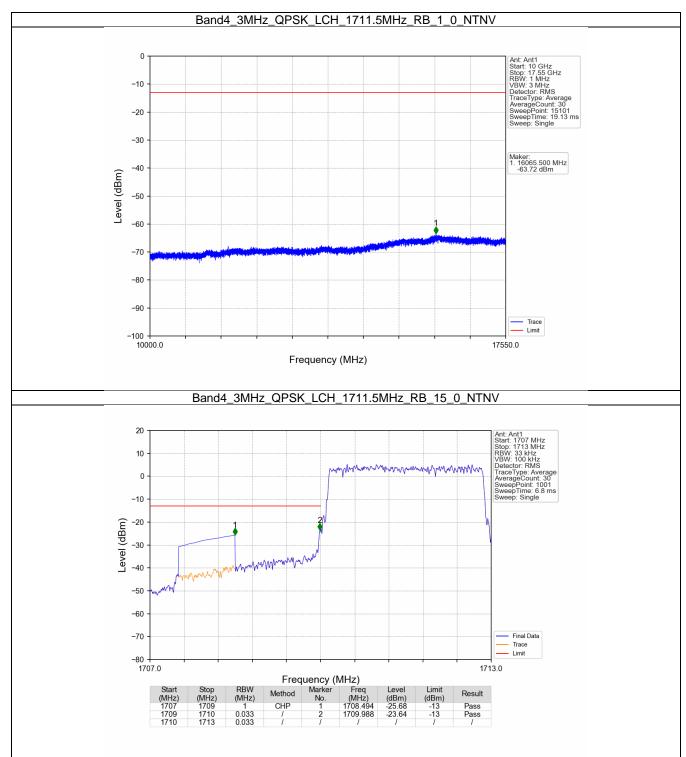


6.2.2 B4_3MHz

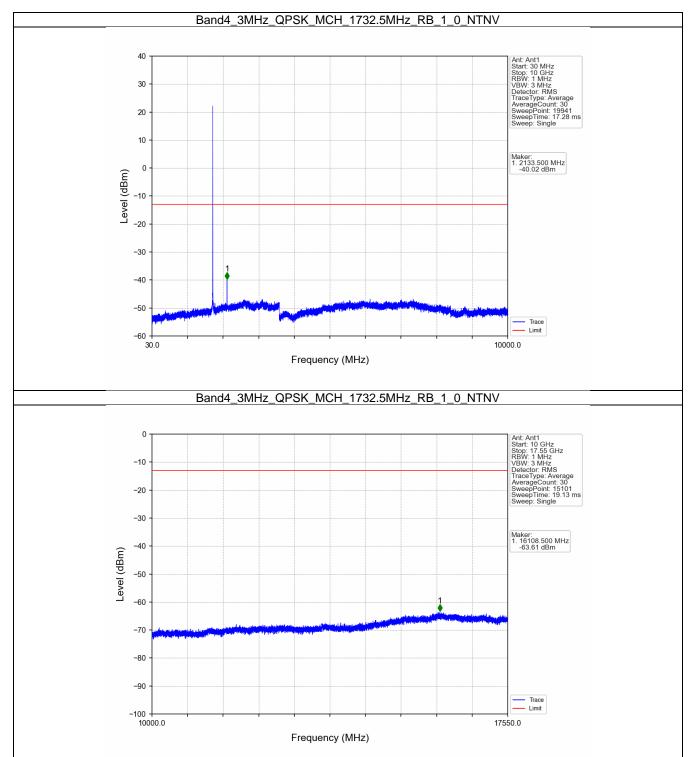




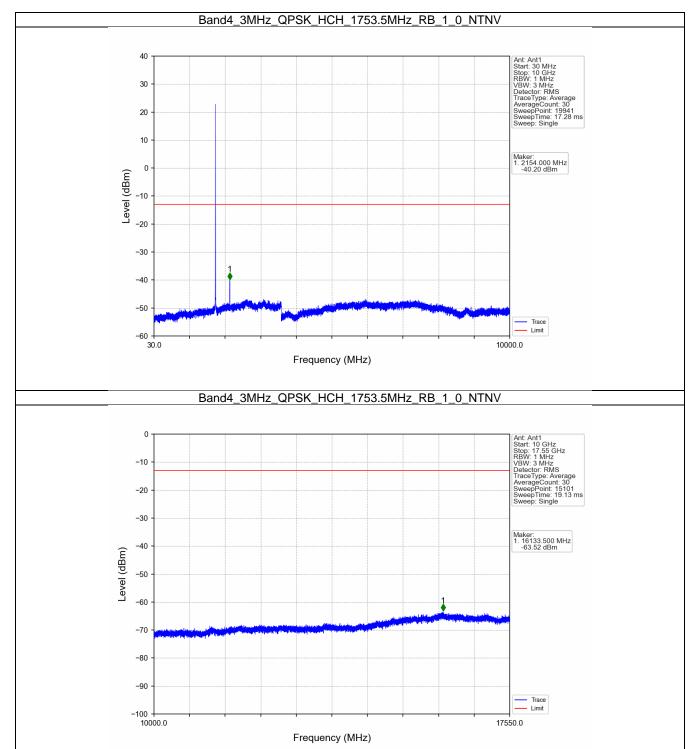




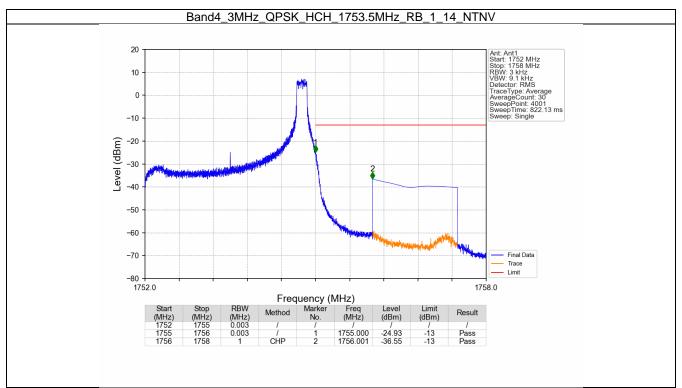


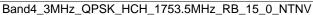


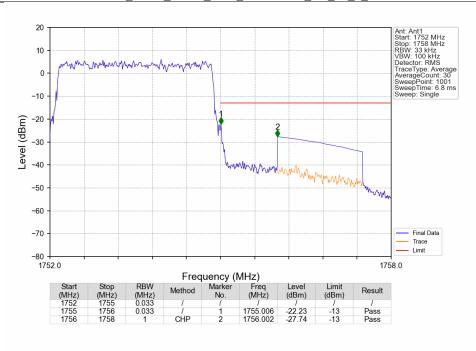




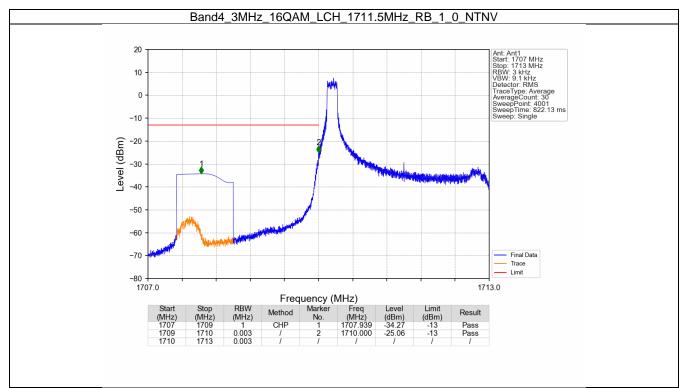


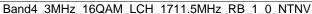


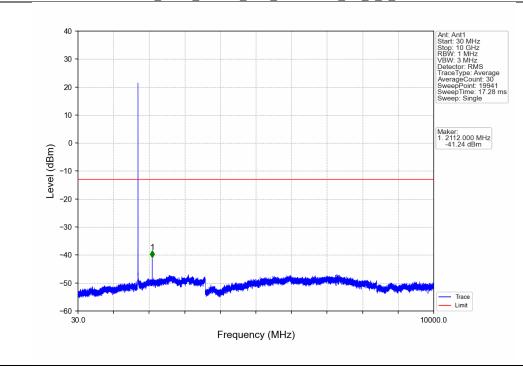




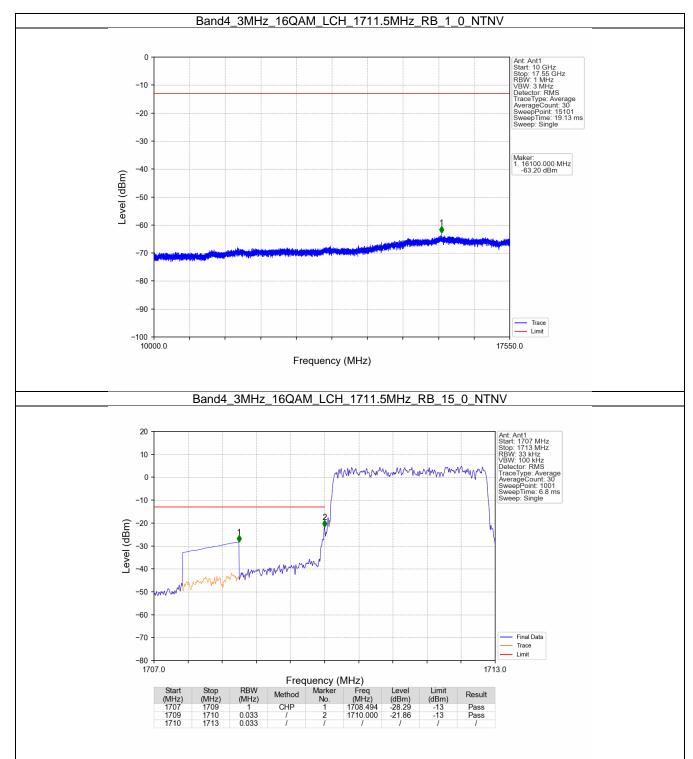




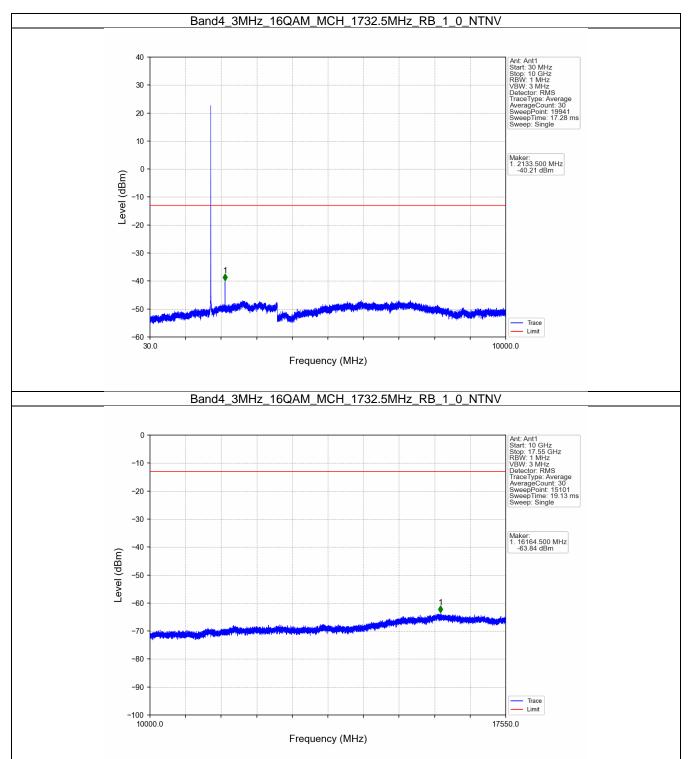




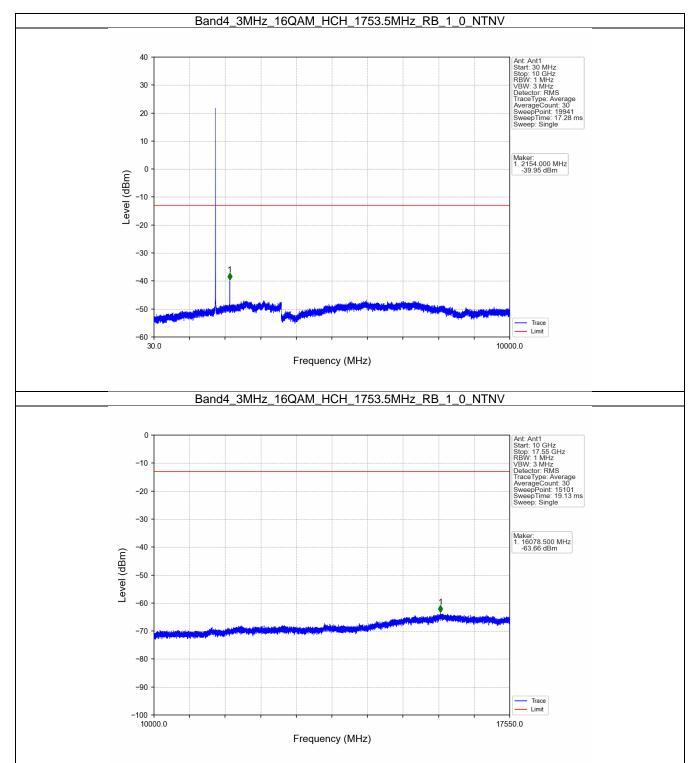




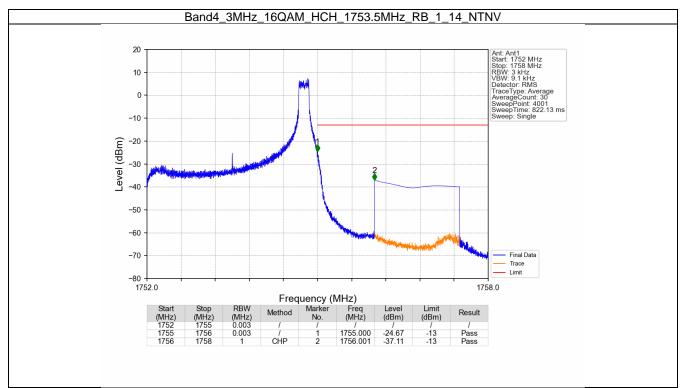


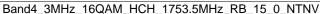


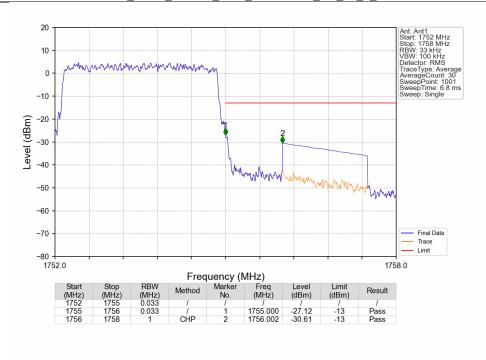






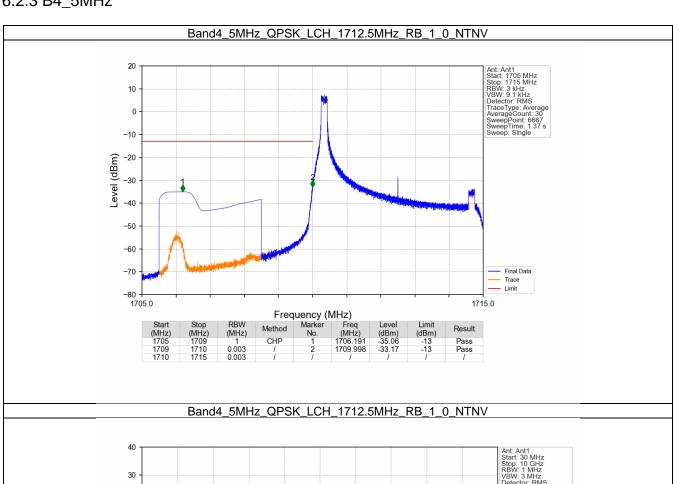


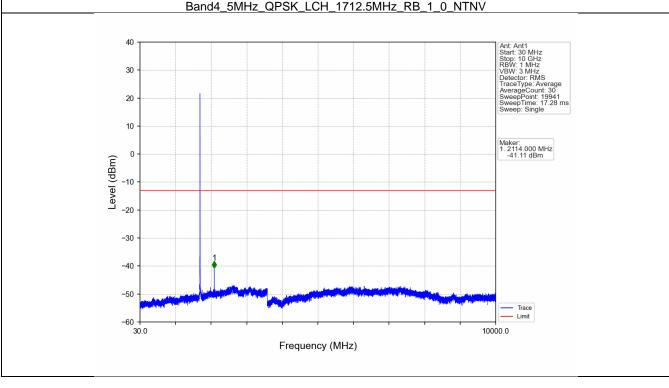




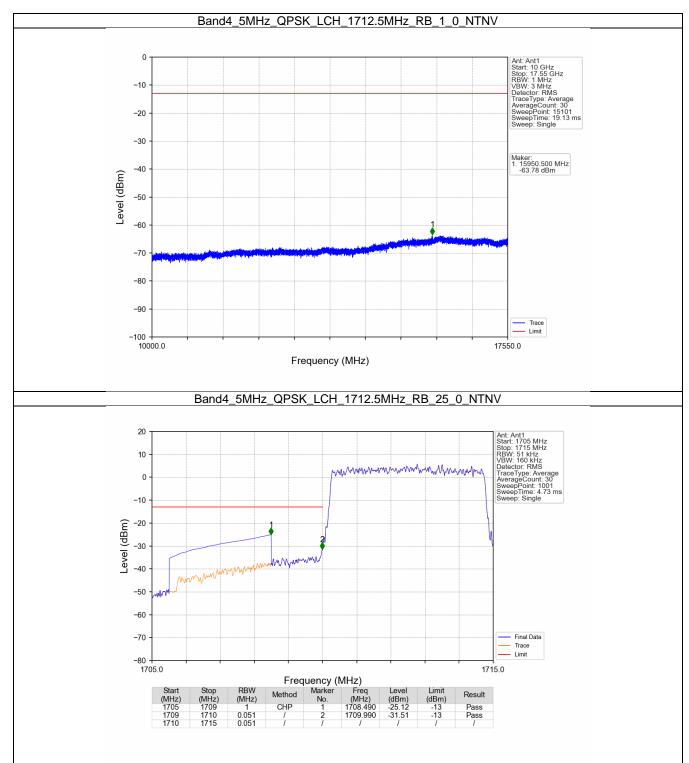


6.2.3 B4_5MHz

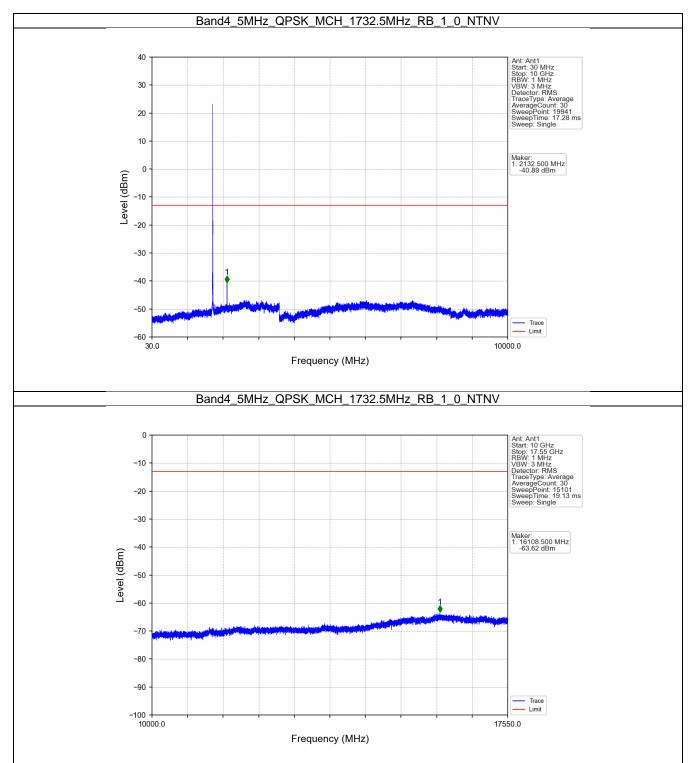




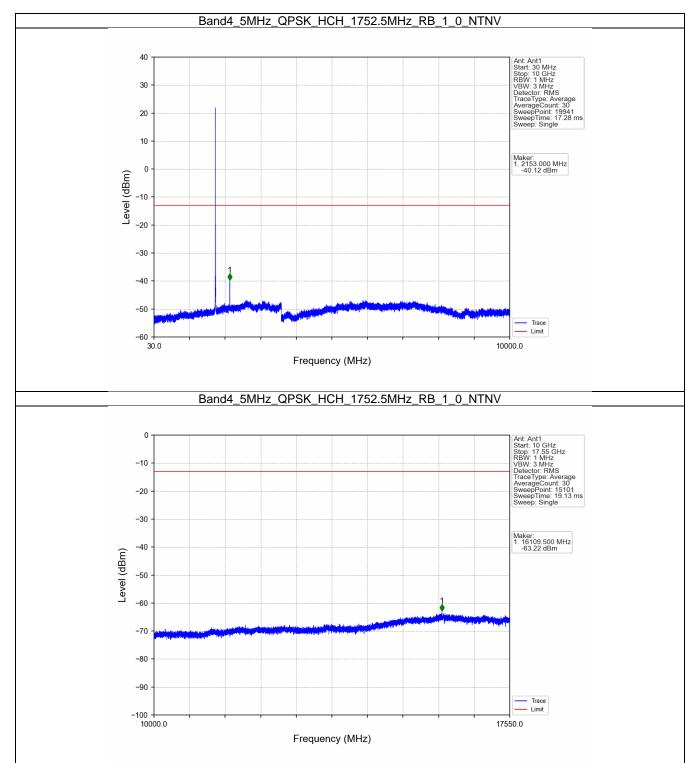




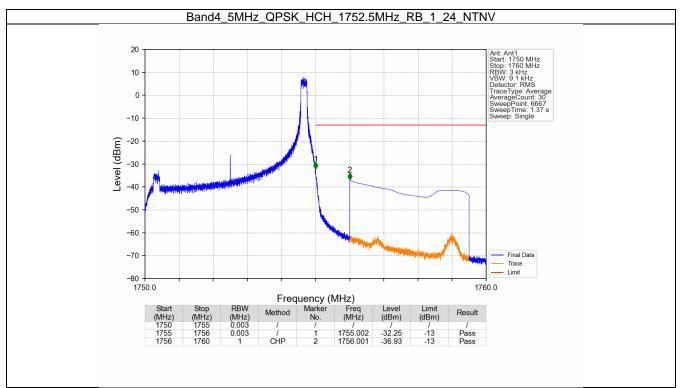


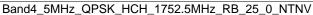


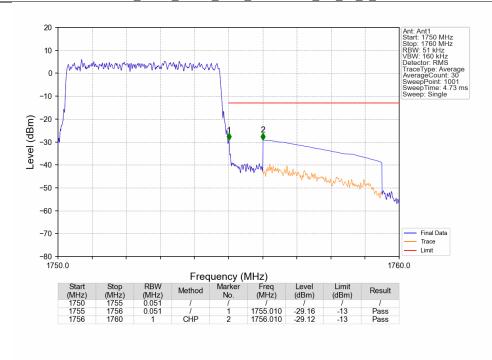




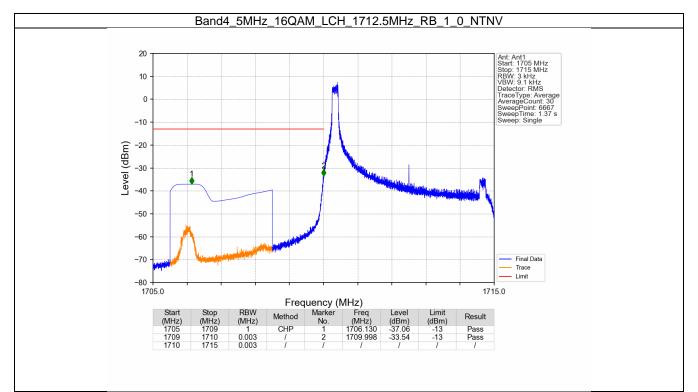


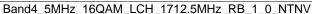


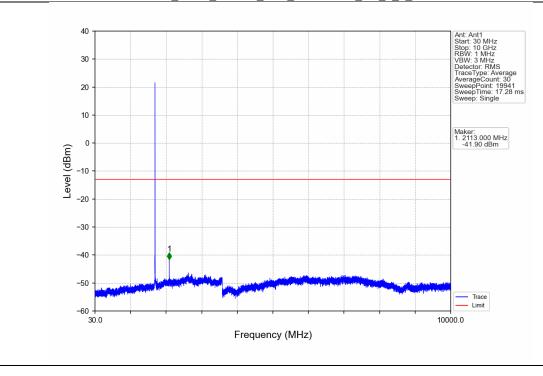




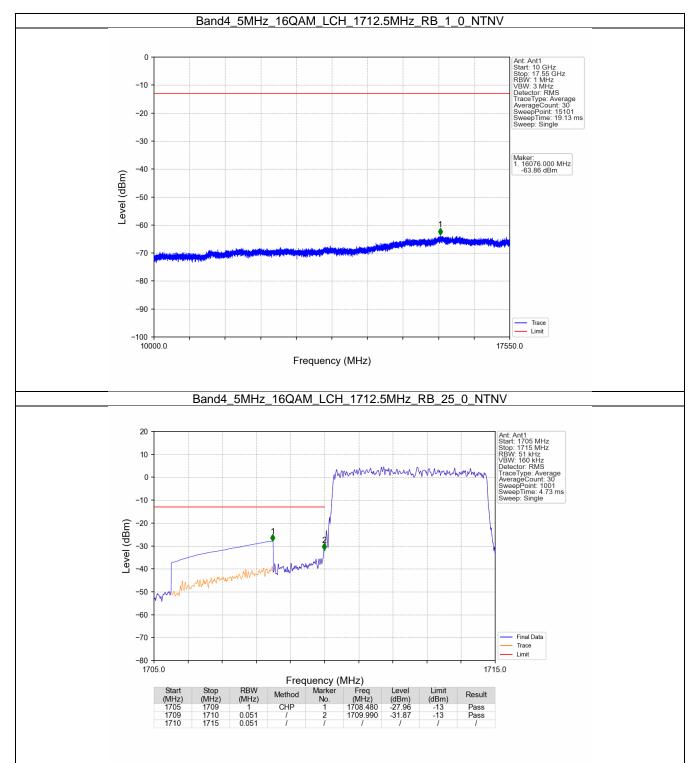




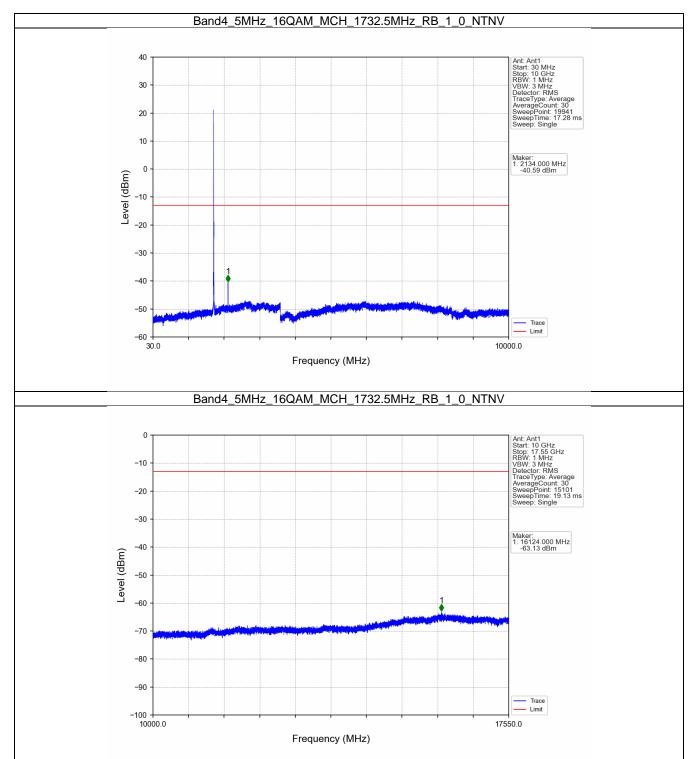




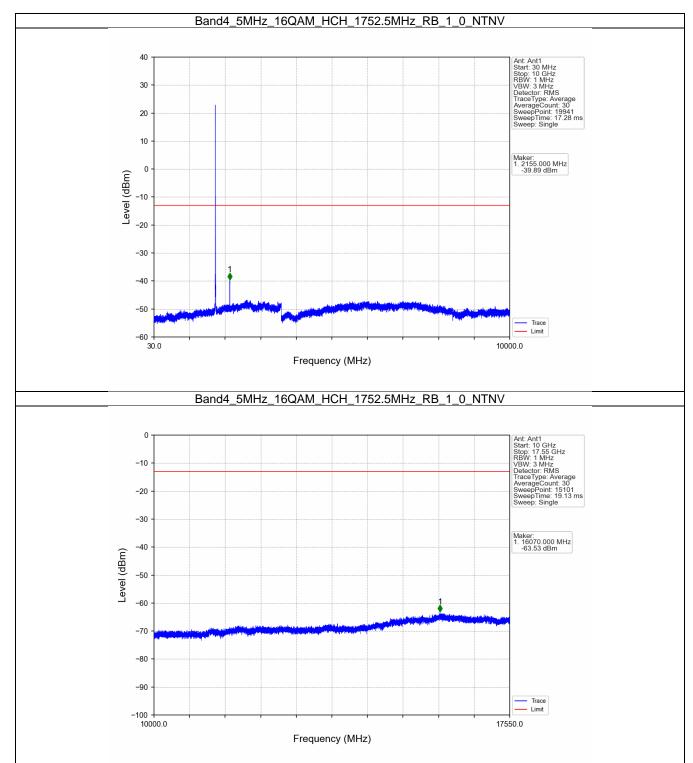




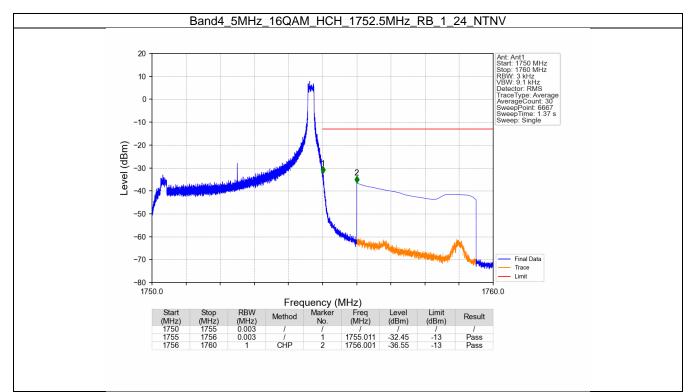


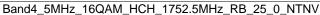


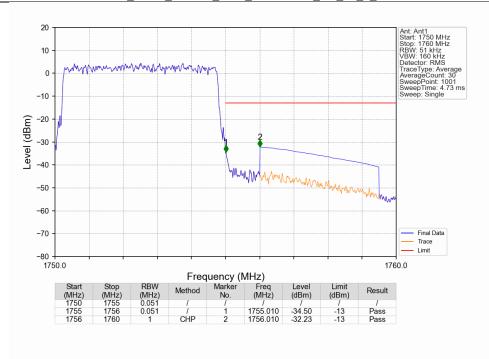












TraceLimit

10000.0

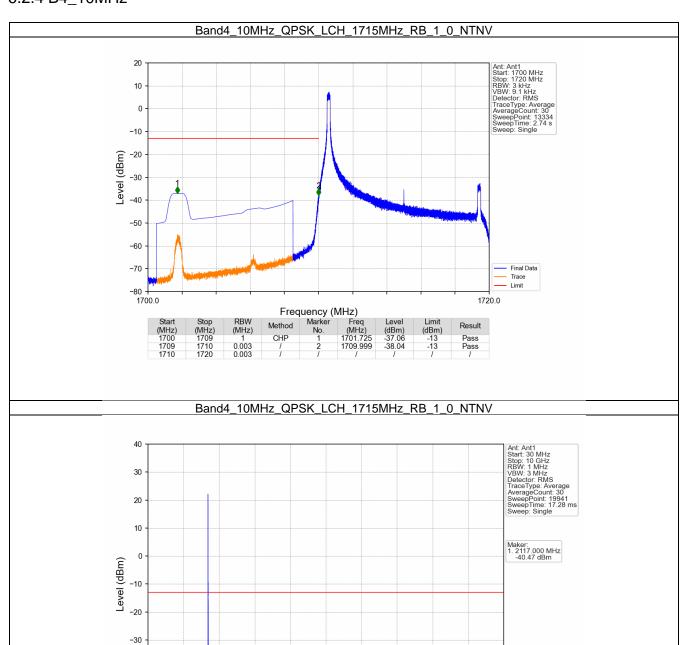


6.2.4 B4_10MHz

-40

-50

-60 ↓ 30.0



Frequency (MHz)



