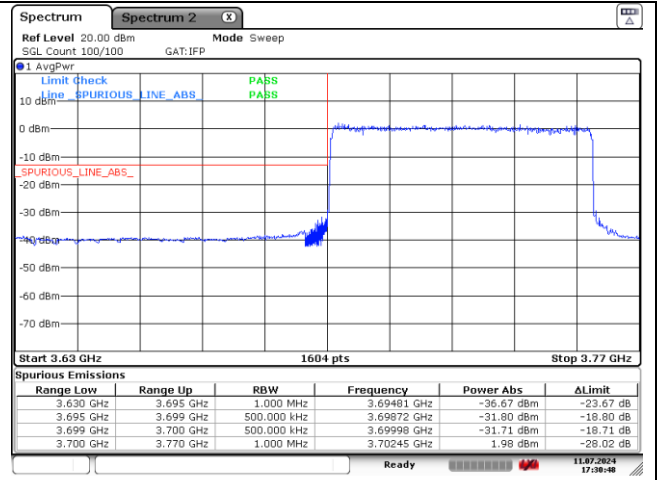
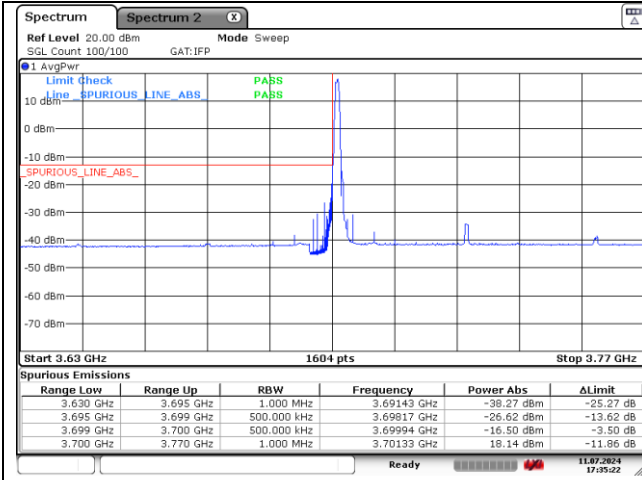
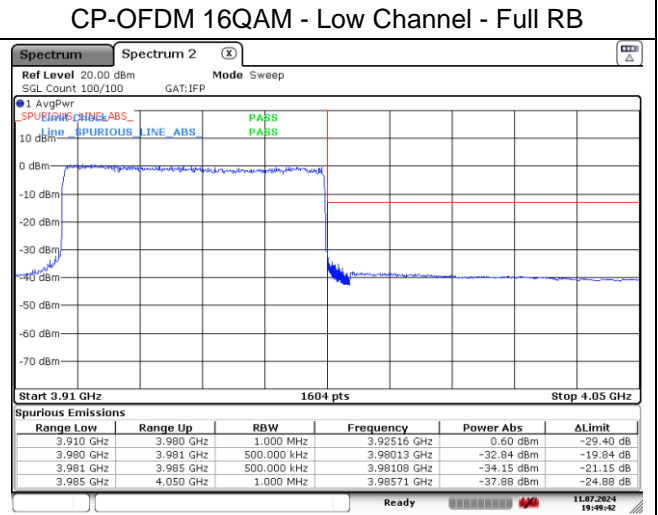
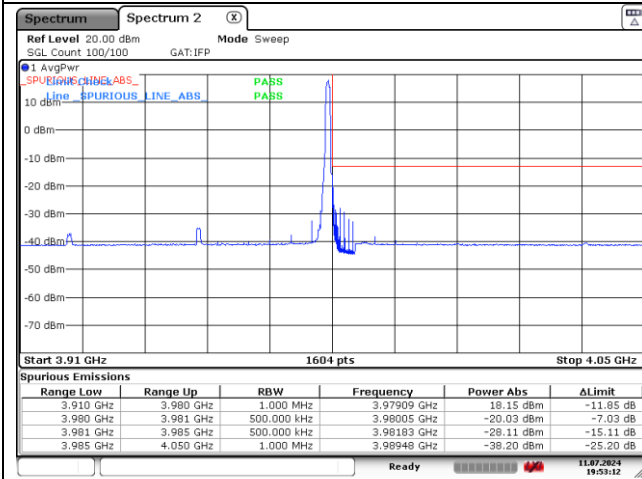


NR band 77_High Band (60 MHz)



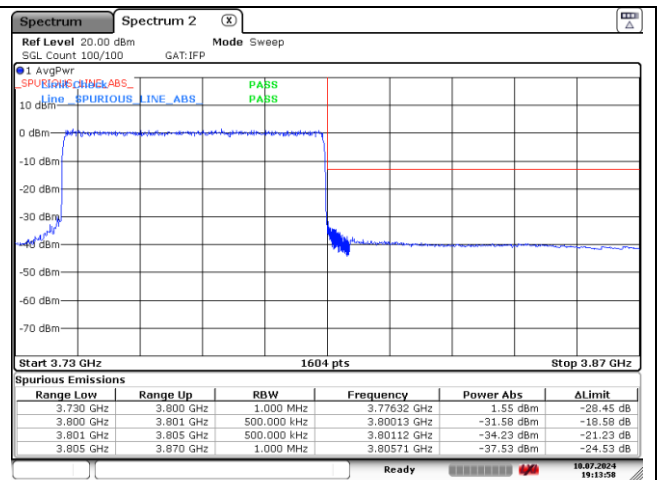
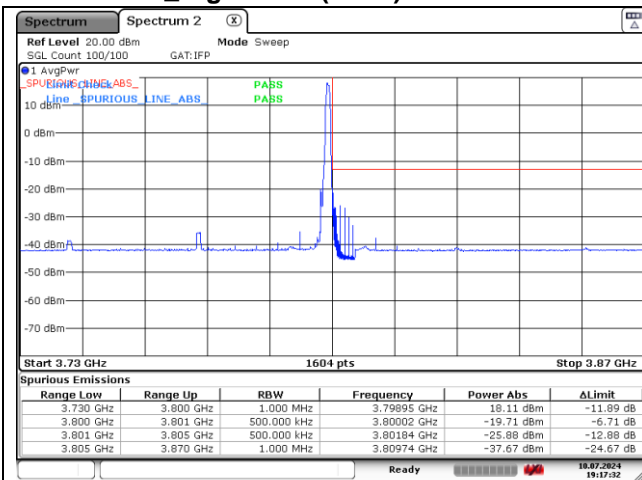
CP-OFDM 16QAM - Low Channel - 1 RB



CP-OFDM 16QAM - High Channel - 1 RB

CP-OFDM 16QAM - High Channel - Full RB

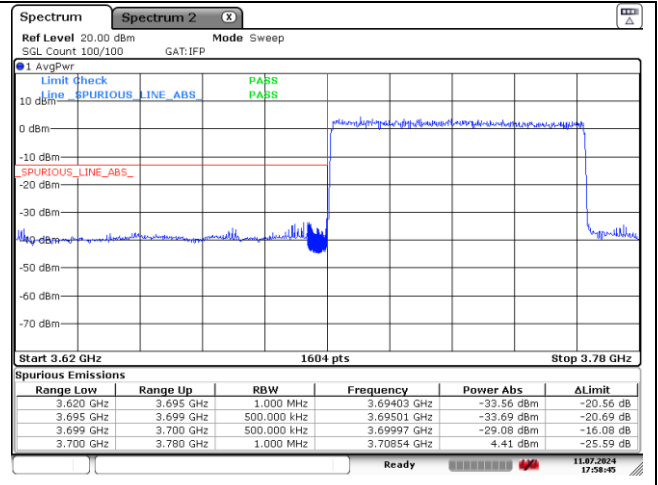
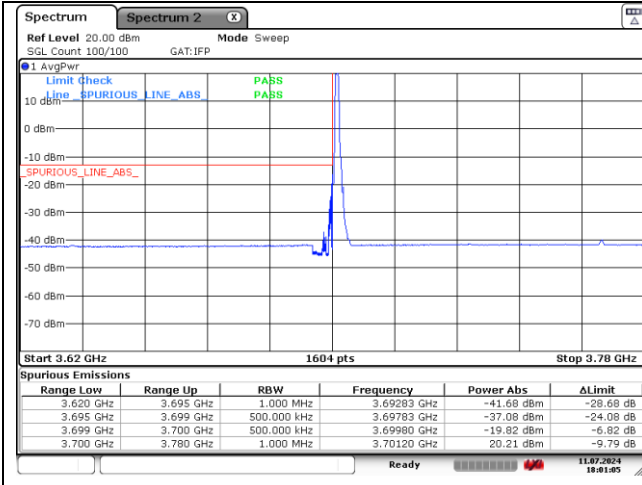
NR band 78_High Band (60 MHz)



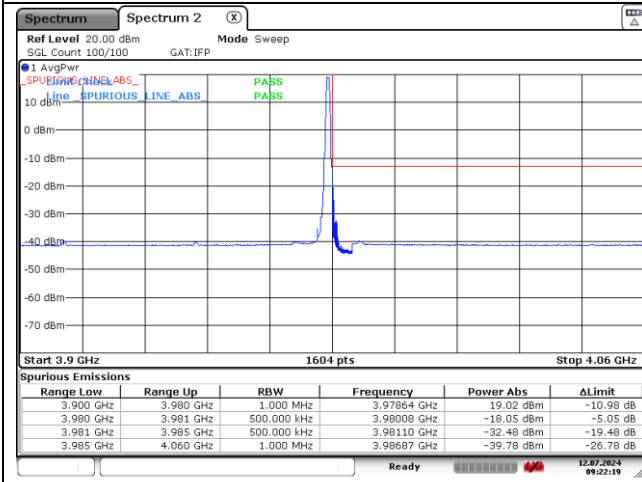
CP-OFDM 16QAM - High Channel - 1 RB

CP-OFDM 16QAM - High Channel - Full RB

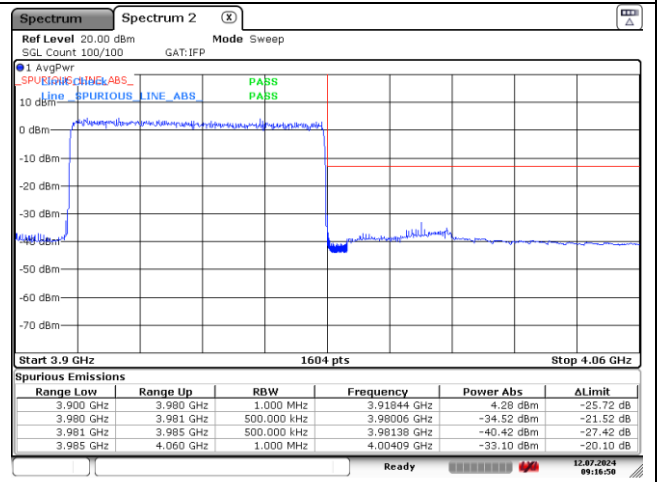
NR band 77_High Band (70 MHz)



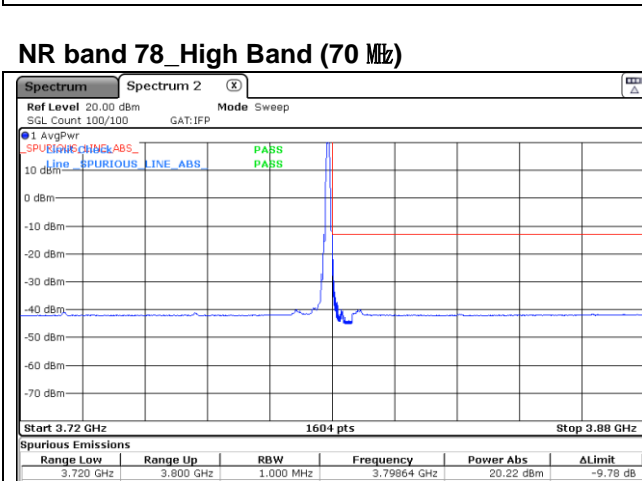
DFT-S-OFDM QPSK - Low Channel - 1 RB



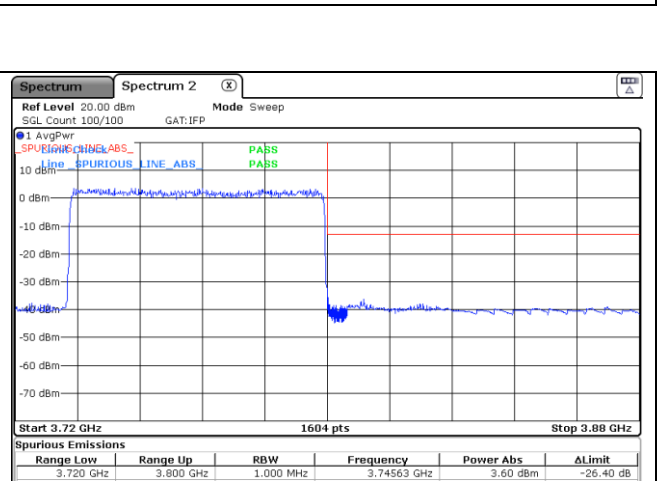
DFT-S-OFDM QPSK - Low Channel - Full RB



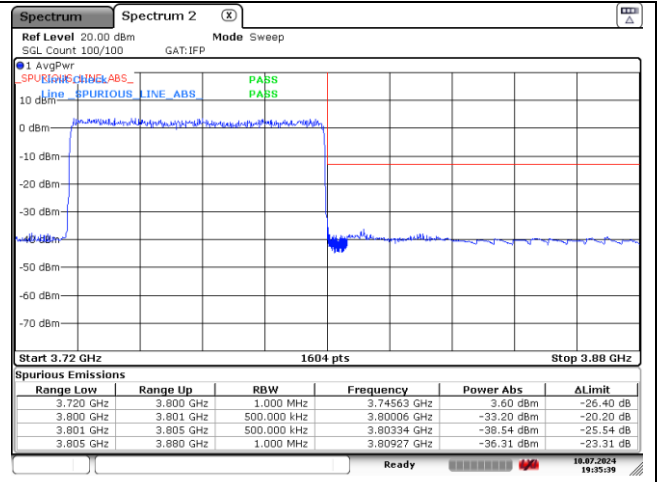
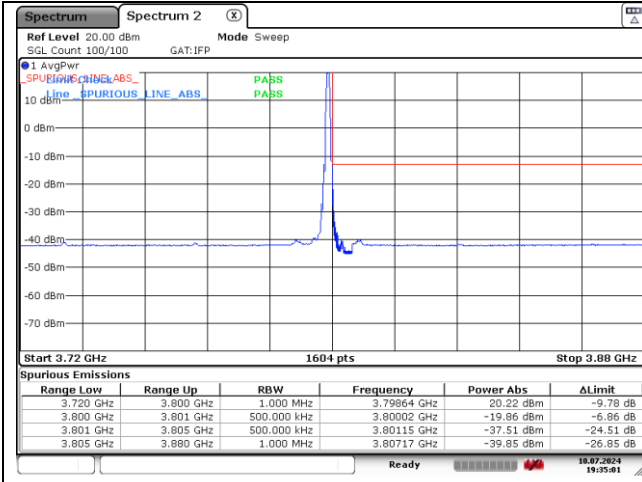
DFT-S-OFDM QPSK - High Channel - 1 RB



DFT-S-OFDM QPSK - High Channel - Full RB



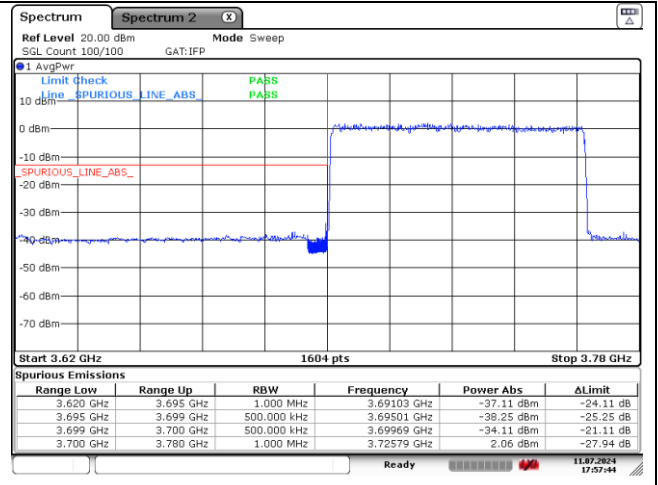
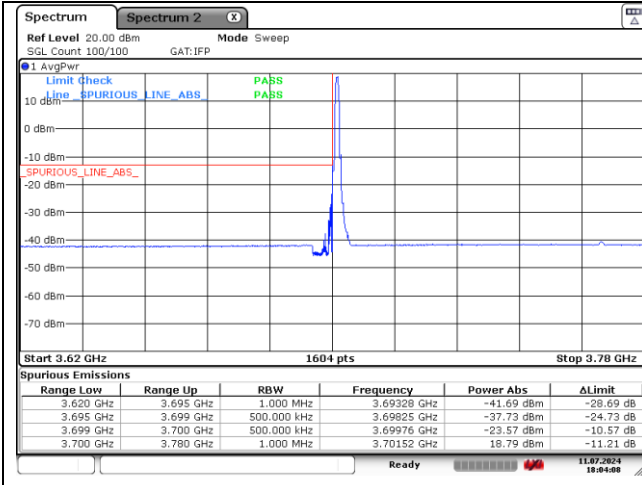
NR band 78_High Band (70 MHz)



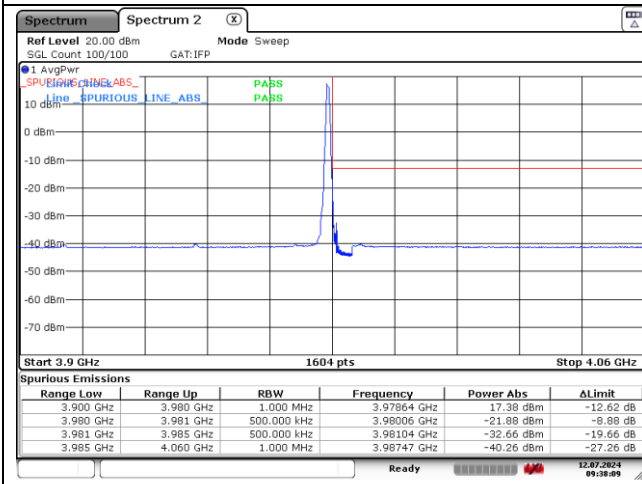
DFT-S-OFDM QPSK - High Channel - 1 RB

DFT-S-OFDM QPSK - High Channel - Full RB

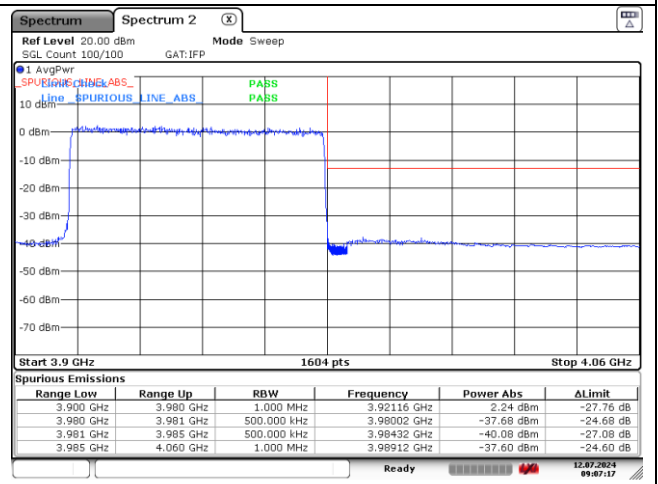
NR band 77_High Band (70 MHz)



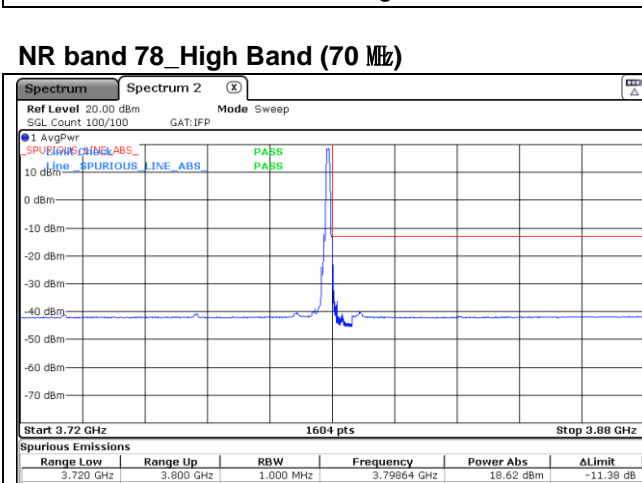
DFT-S-OFDM 16QAM - Low Channel - 1 RB



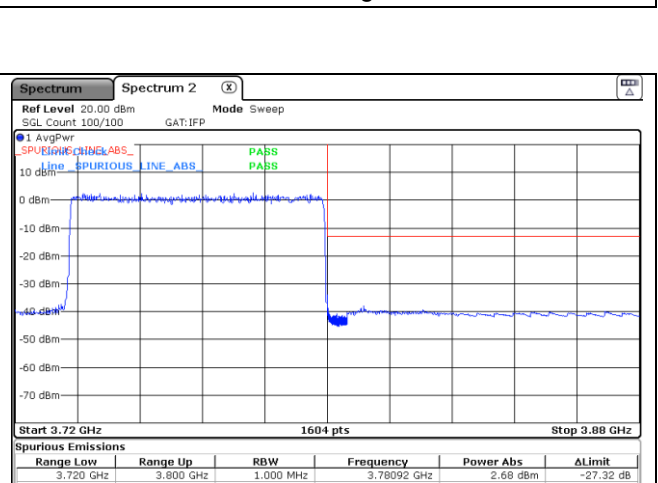
DFT-S-OFDM 16QAM - Low Channel - Full RB



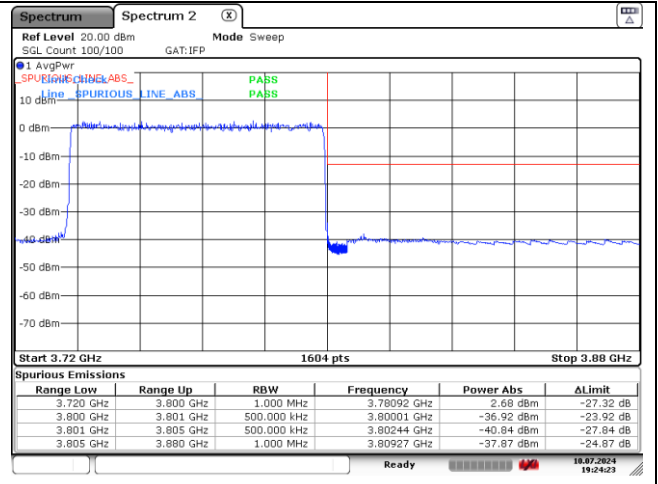
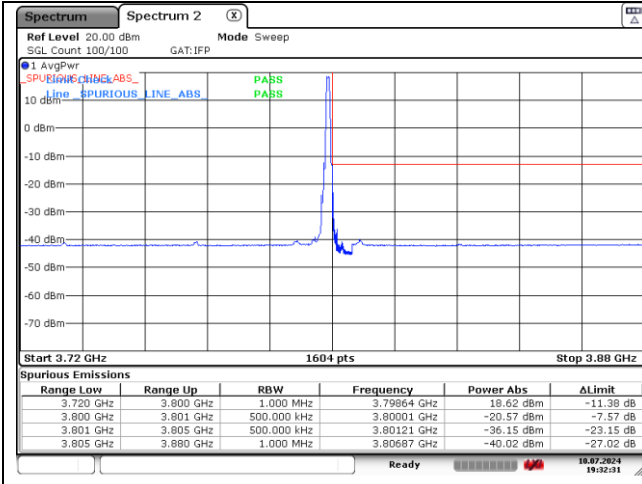
DFT-S-OFDM 16QAM - High Channel - 1 RB



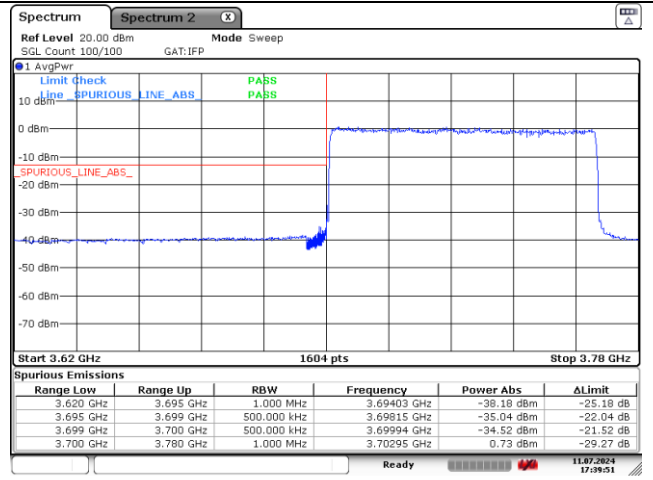
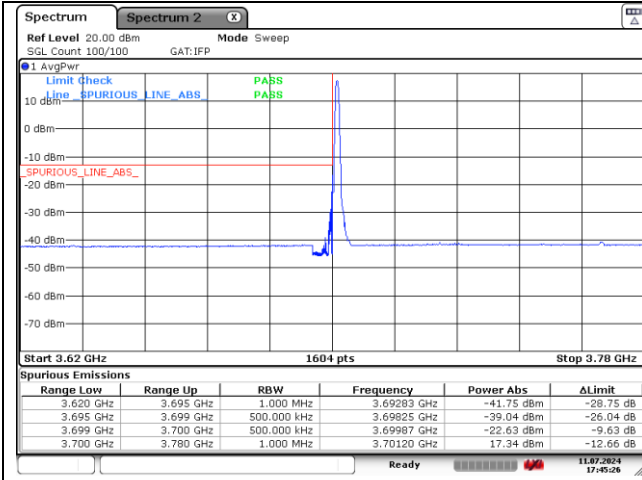
DFT-S-OFDM 16QAM - High Channel - Full RB



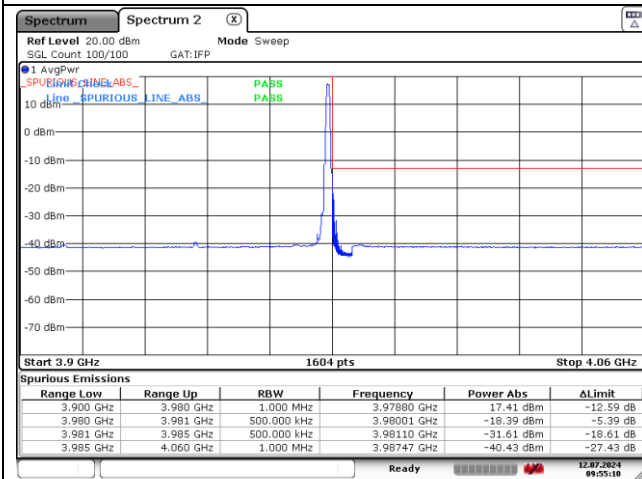
NR band 78_High Band (70 MHz)



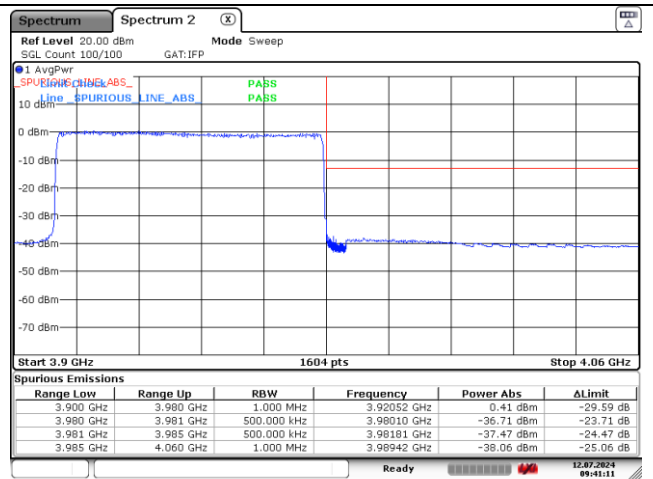
NR band 77_High Band (70 MHz)



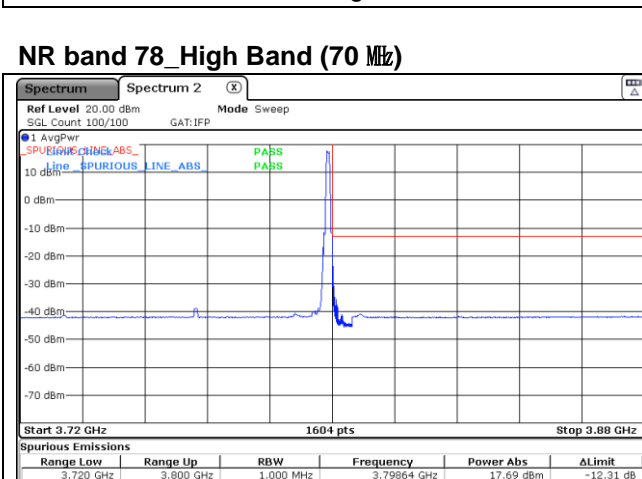
CP-OFDM QPSK - Low Channel - 1 RB



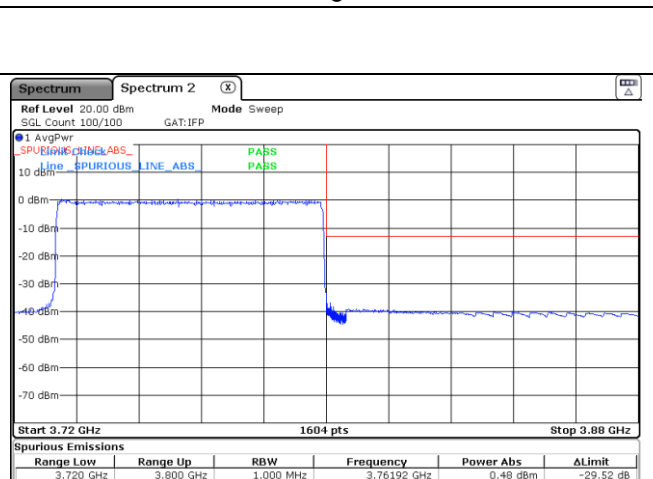
CP-OFDM QPSK - Low Channel - Full RB



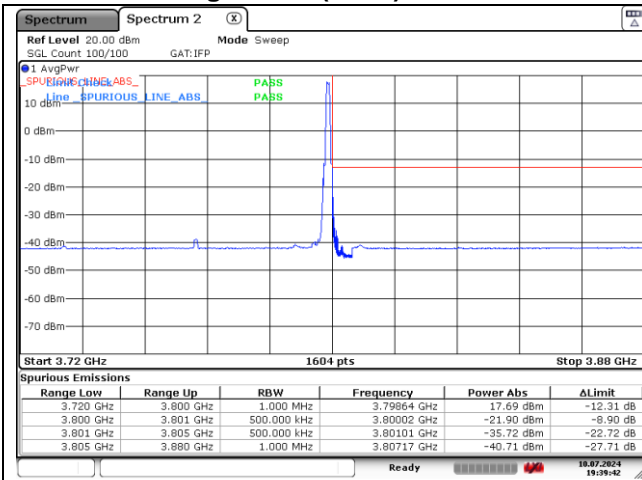
CP-OFDM QPSK - High Channel - 1 RB



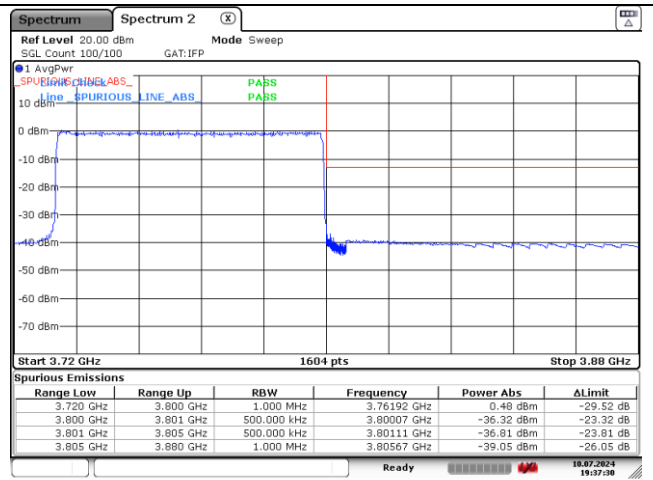
CP-OFDM QPSK - High Channel - Full RB



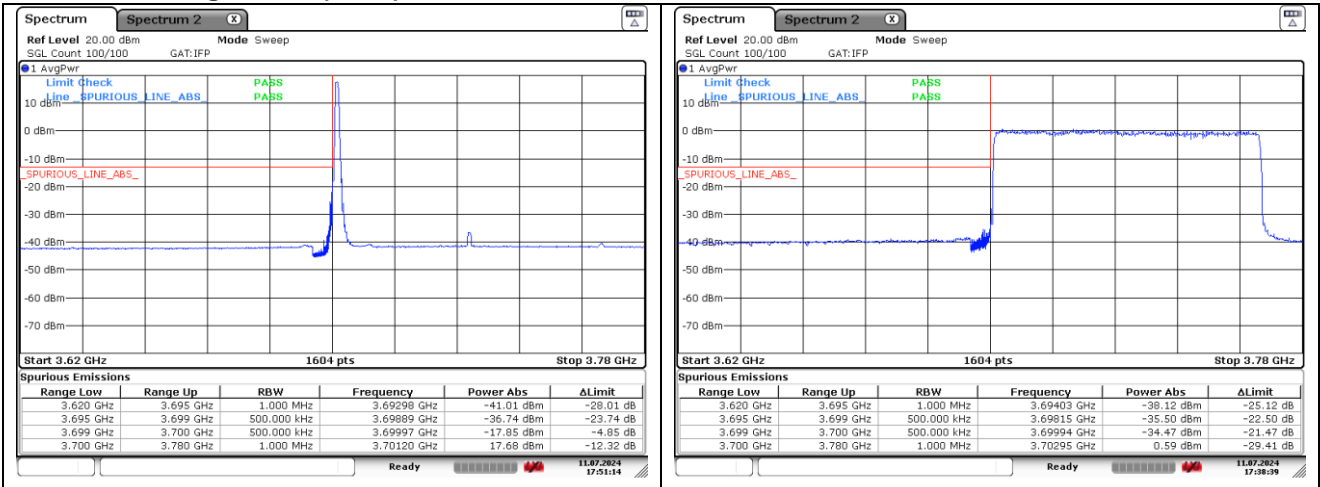
NR band 78_High Band (70 MHz)



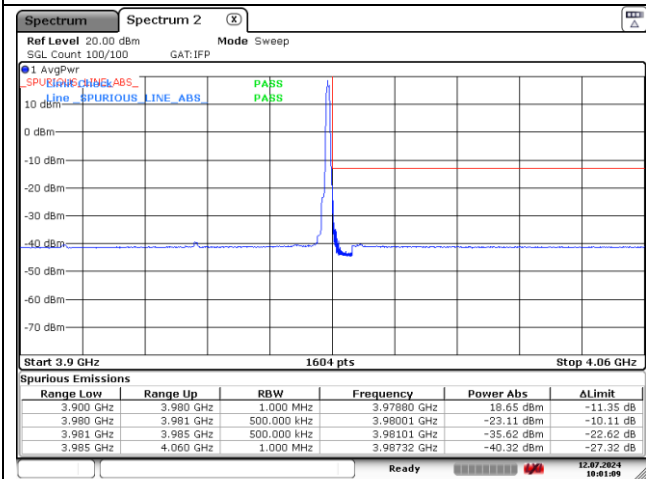
CP-OFDM QPSK - High Channel - Full RB



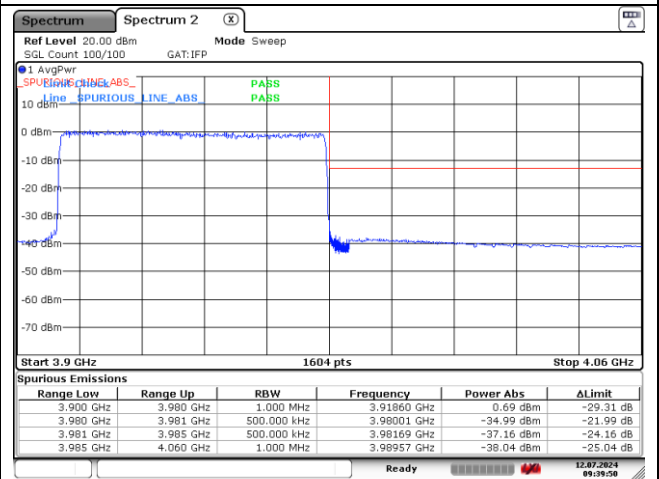
NR band 77_High Band (70 MHz)



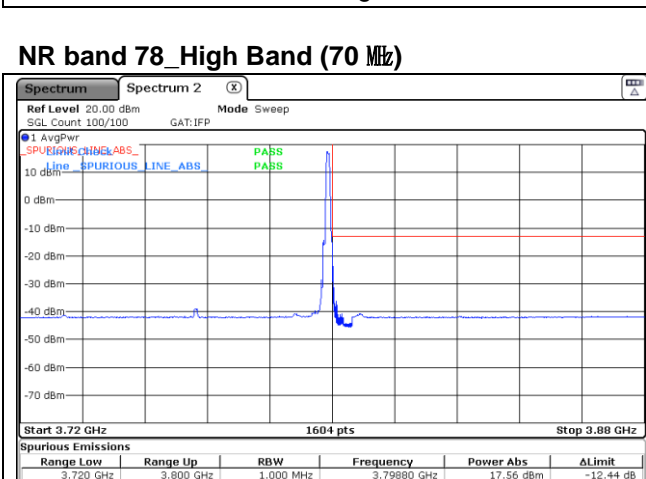
CP-OFDM 16QAM - Low Channel - 1 RB



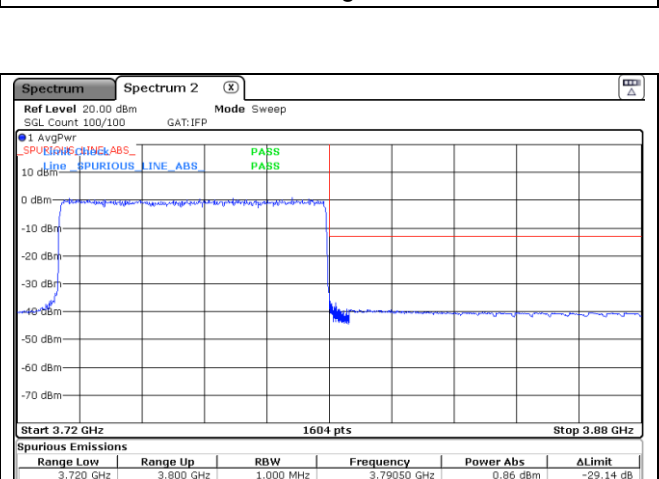
CP-OFDM 16QAM - Low Channel - Full RB



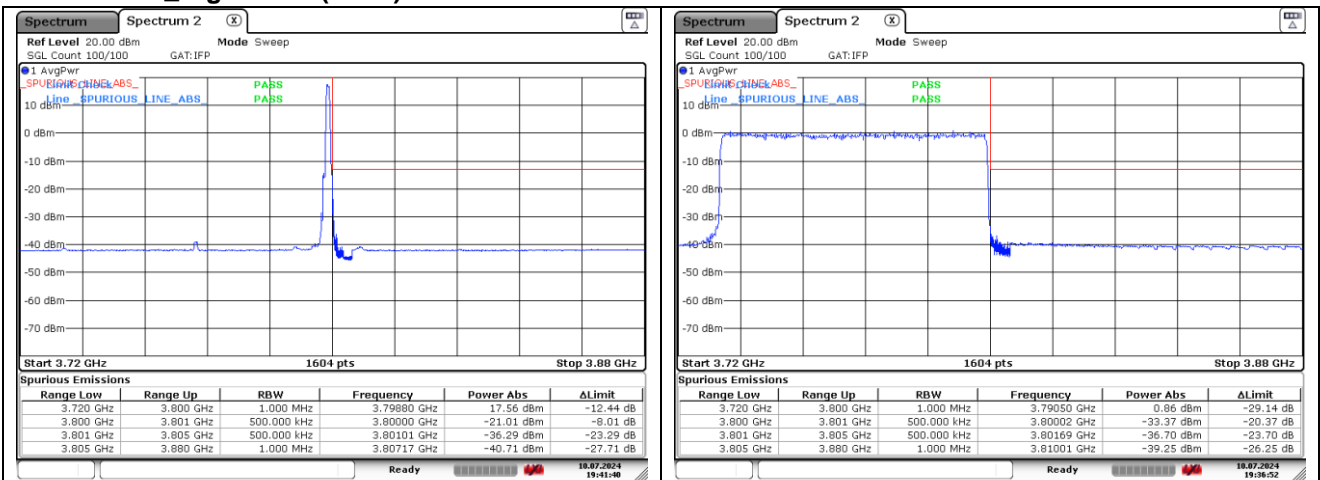
CP-OFDM 16QAM - High Channel - 1 RB



CP-OFDM 16QAM - High Channel - Full RB



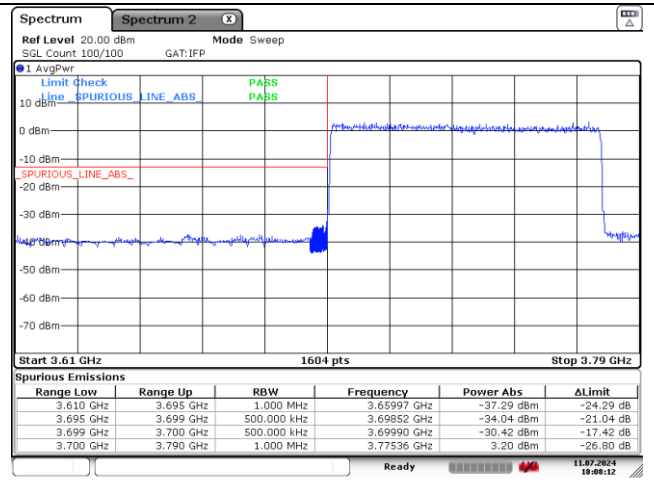
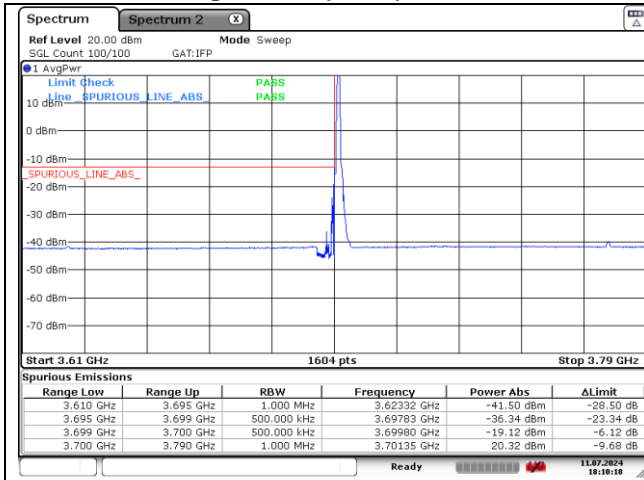
NR band 78_High Band (70 MHz)



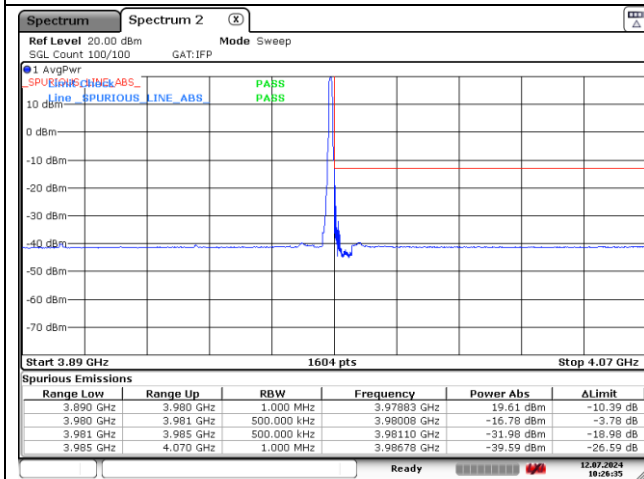
CP-OFDM 16QAM - High Channel - 1 RB

CP-OFDM 16QAM - High Channel - Full RB

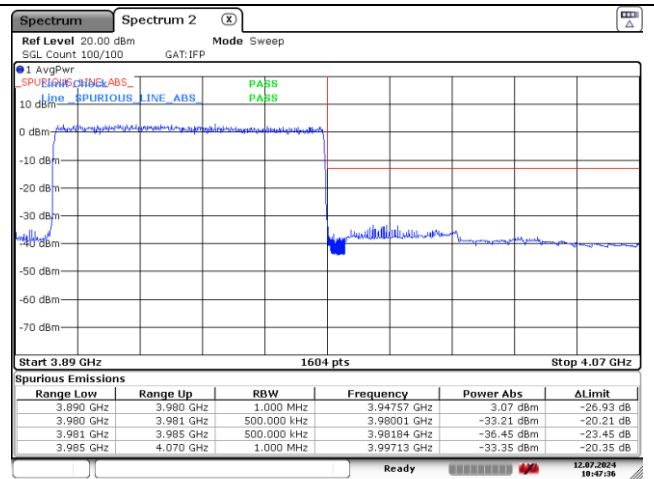
NR band 77_High Band (80 MHz)



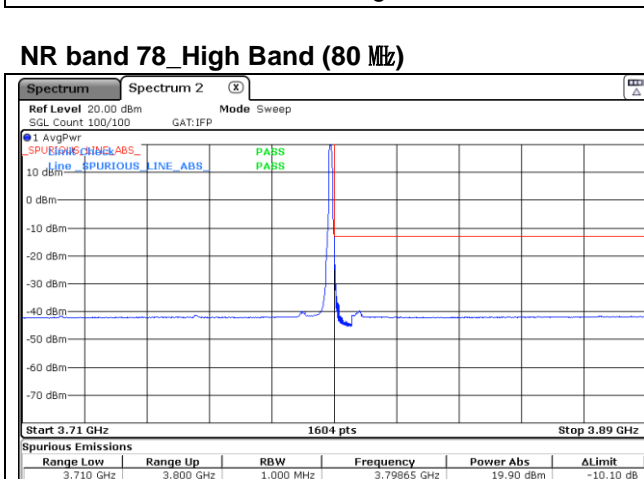
DFT-S-OFDM QPSK - Low Channel - 1 RB



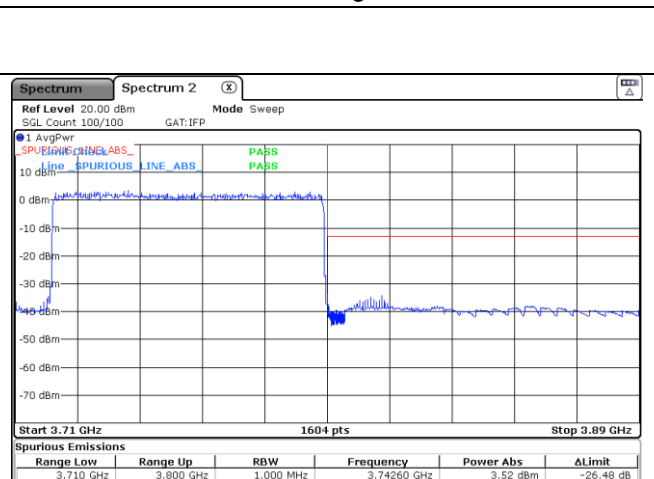
DFT-S-OFDM QPSK - Low Channel - Full RB



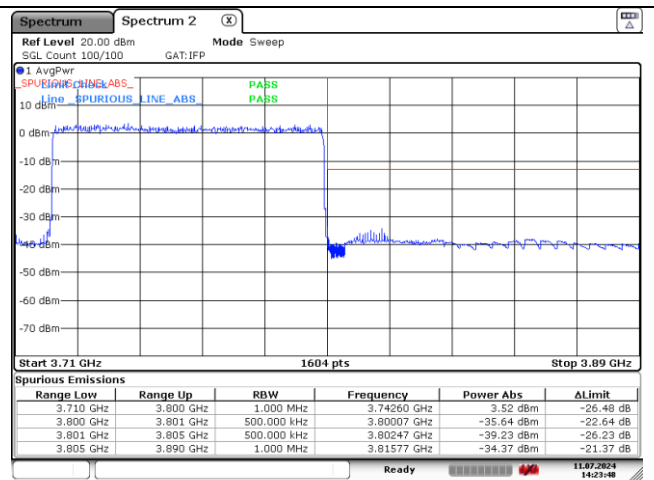
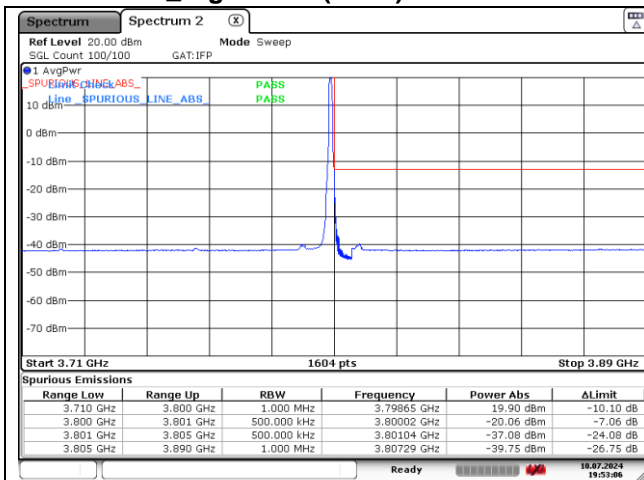
DFT-S-OFDM QPSK - High Channel - 1 RB



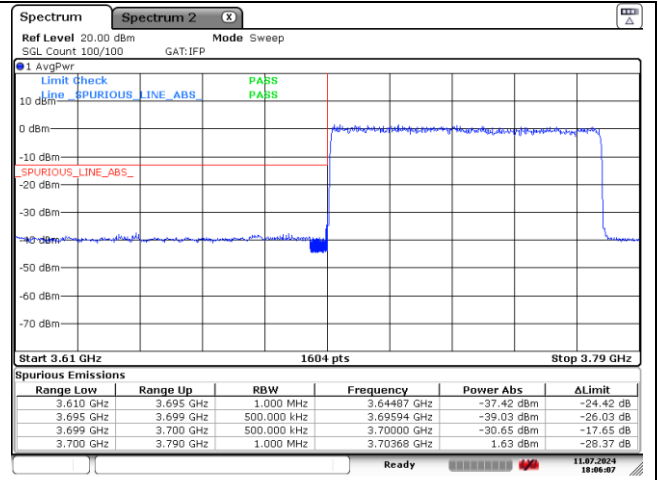
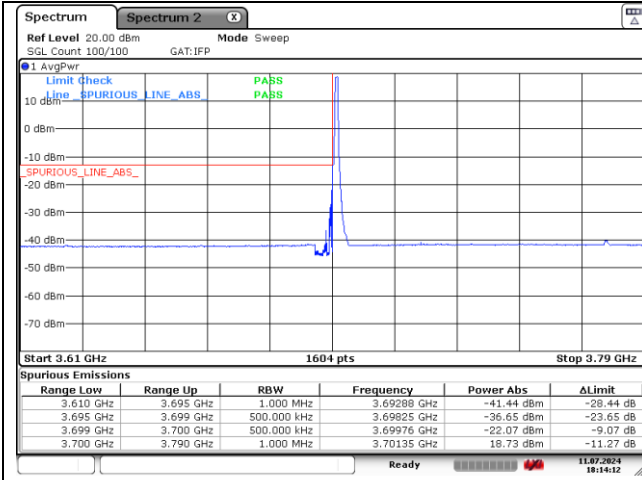
DFT-S-OFDM QPSK - High Channel - Full RB



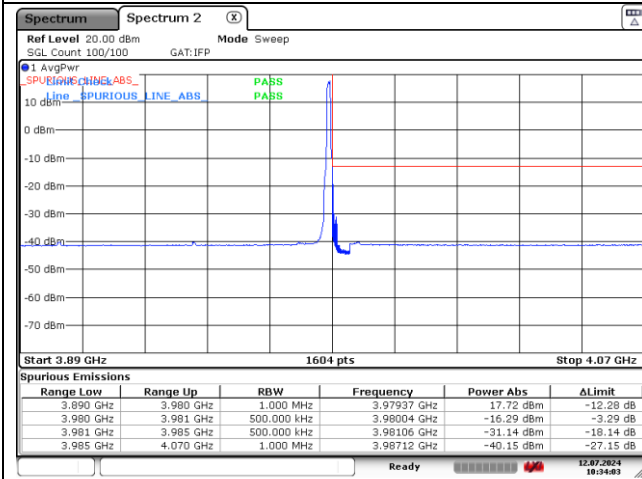
NR band 78_High Band (80 MHz)



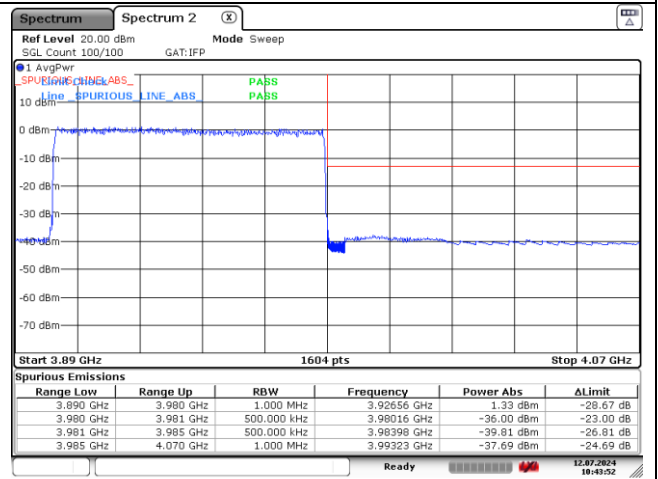
NR band 77_High Band (80 MHz)



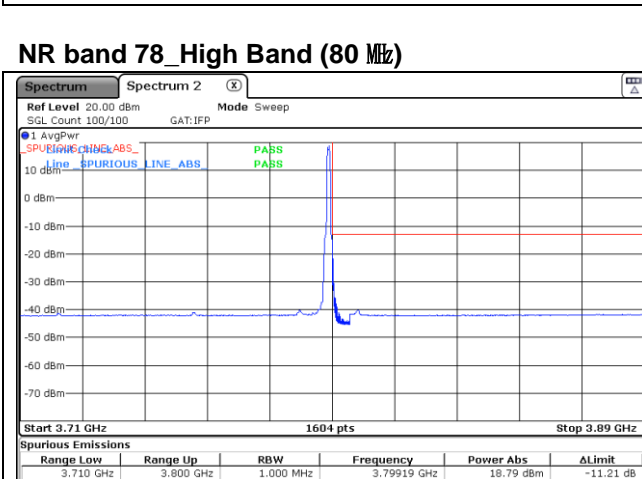
DFT-S-OFDM 16QAM - Low Channel - 1 RB



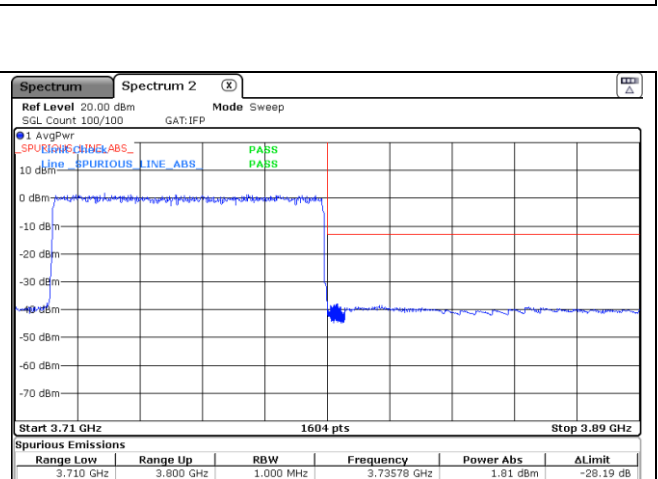
DFT-S-OFDM 16QAM - Low Channel - Full RB



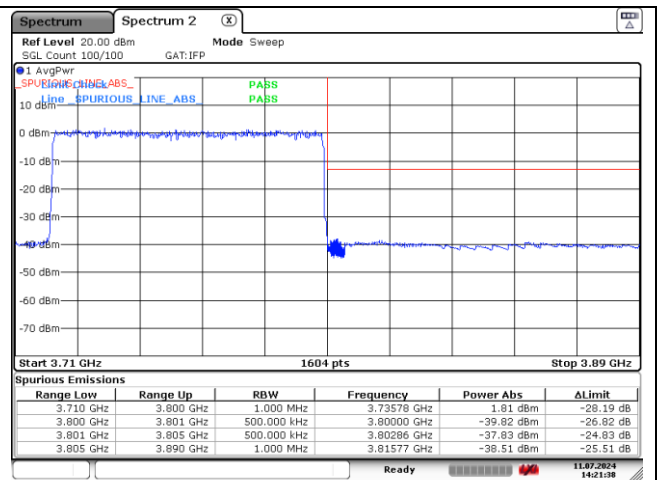
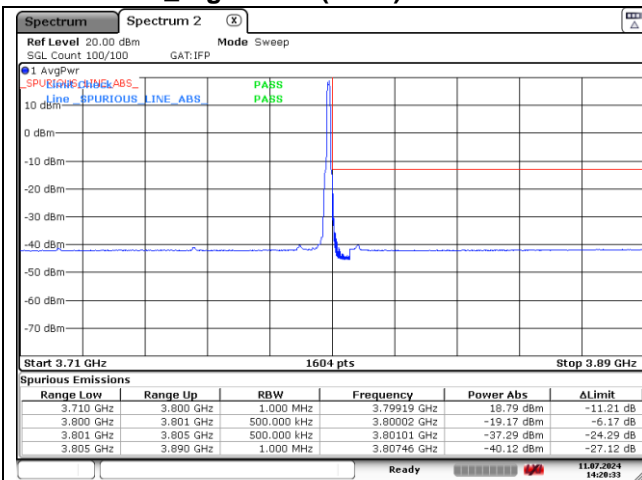
DFT-S-OFDM 16QAM - High Channel - 1 RB



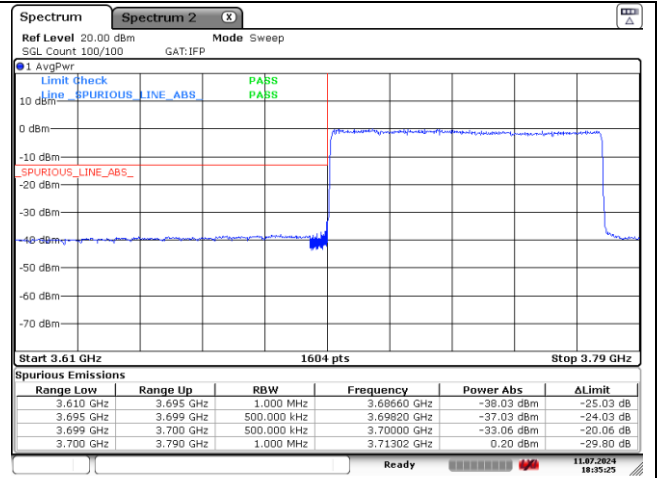
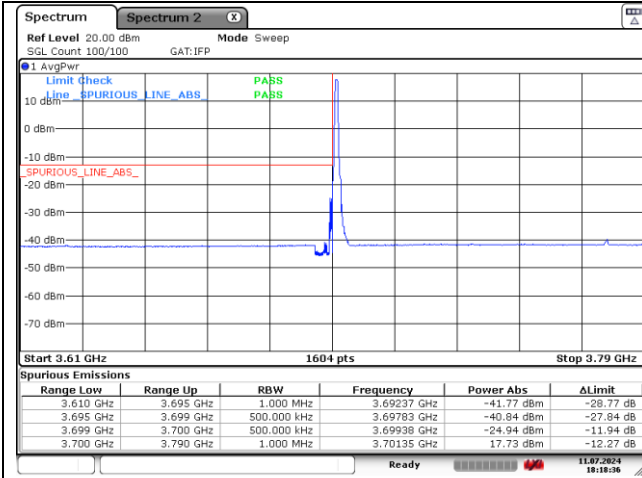
DFT-S-OFDM 16QAM - High Channel - Full RB



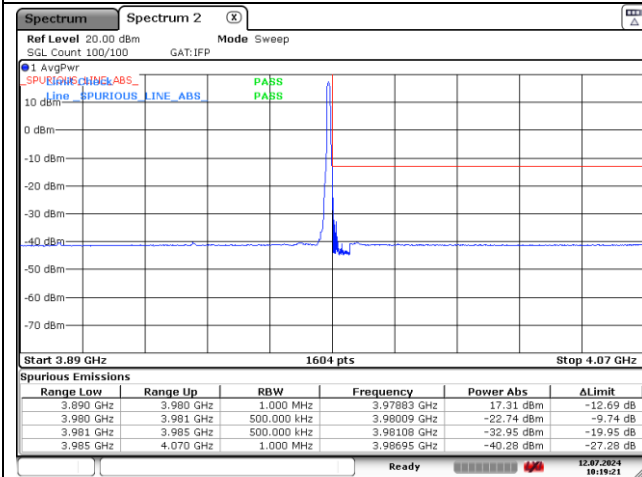
NR band 78_High Band (80 MHz)



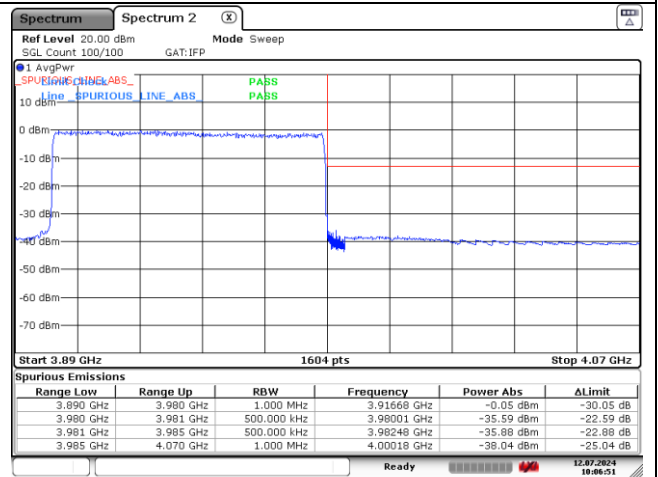
NR band 77_High Band (80 MHz)



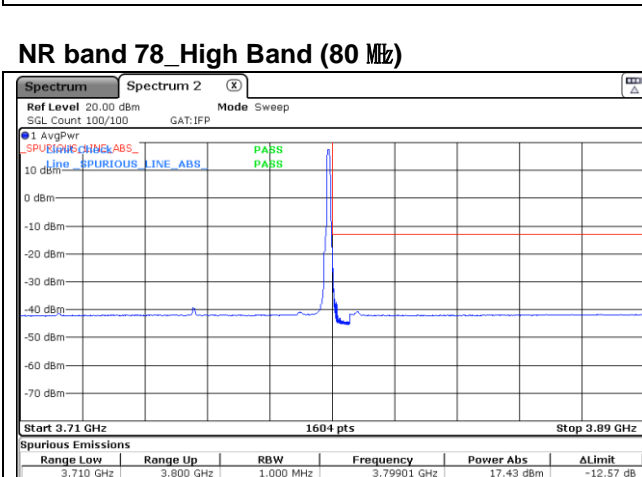
CP-OFDM QPSK - Low Channel - 1 RB



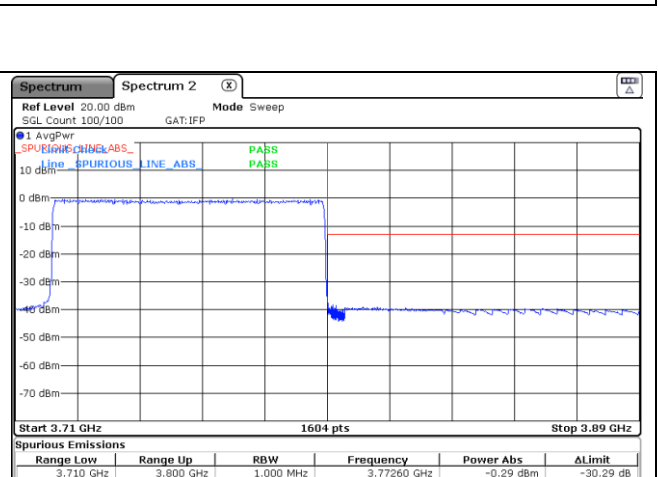
CP-OFDM QPSK - Low Channel - Full RB



CP-OFDM QPSK - High Channel - 1 RB



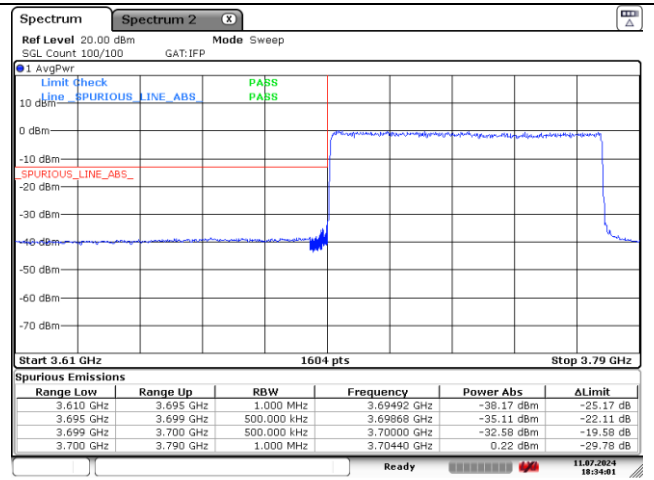
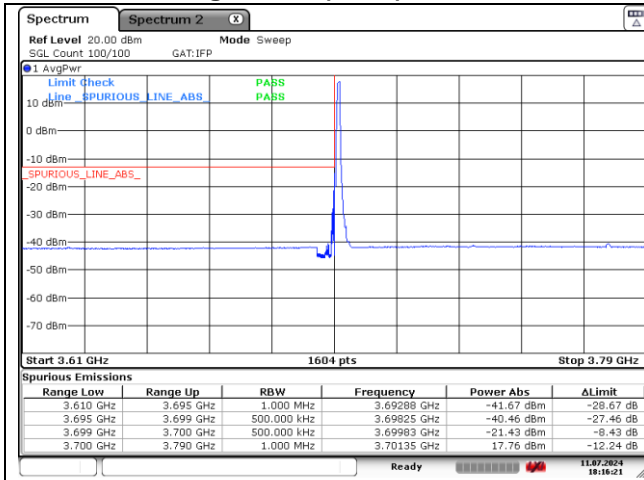
CP-OFDM QPSK - High Channel - Full RB



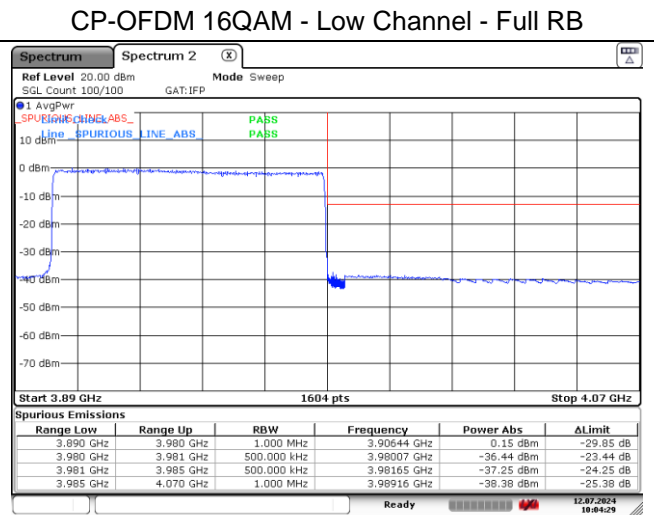
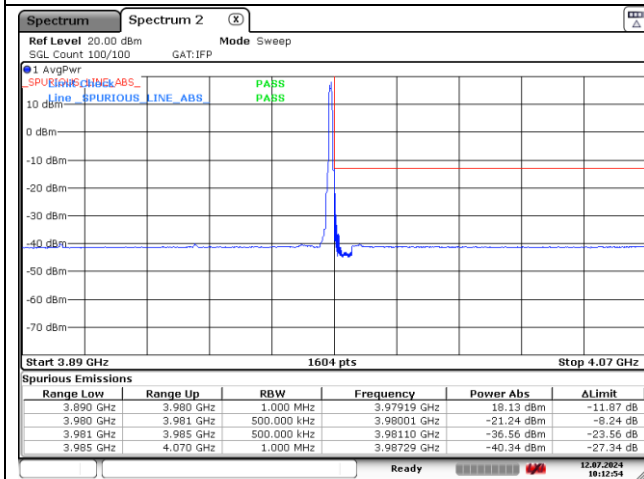
CP-OFDM QPSK - High Channel - 1 RB

CP-OFDM QPSK - High Channel - Full RB

NR band 77_High Band (80 MHz)



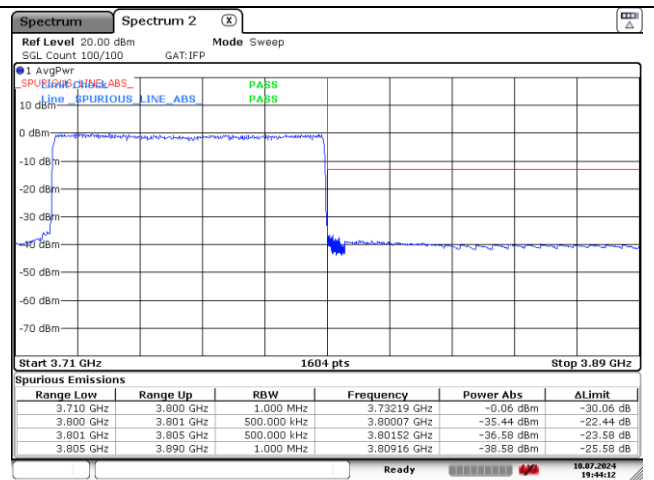
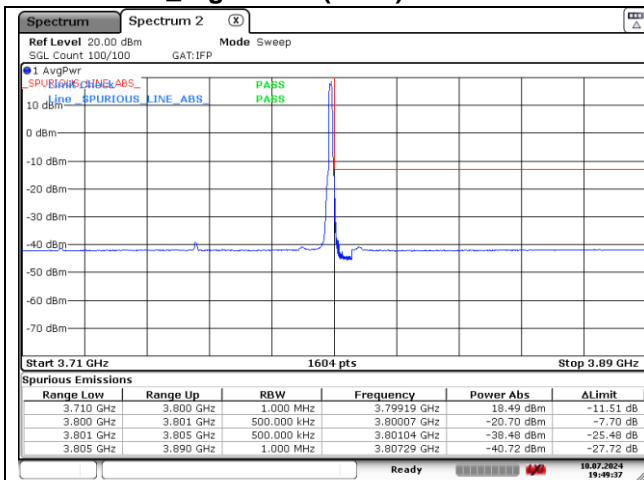
CP-OFDM 16QAM - Low Channel - 1 RB



CP-OFDM 16QAM - High Channel - 1 RB

CP-OFDM 16QAM - High Channel - Full RB

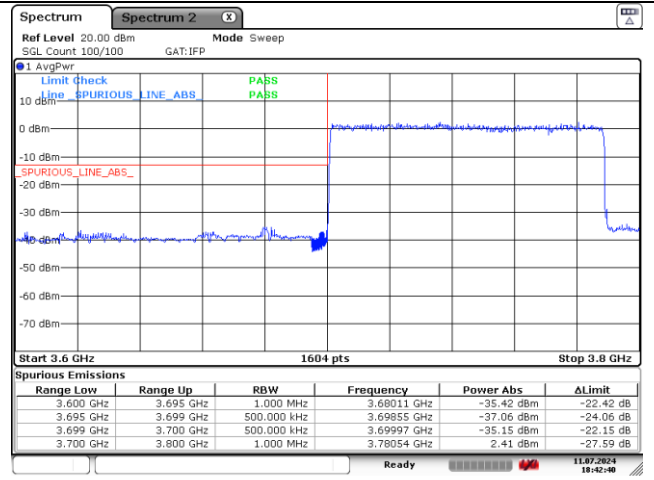
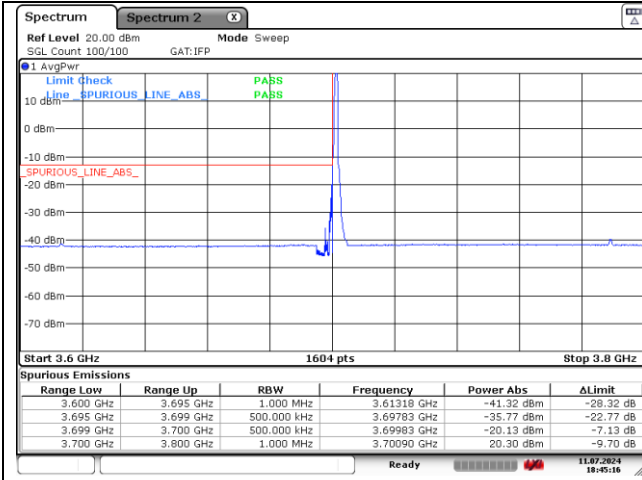
NR band 78_High Band (80 MHz)



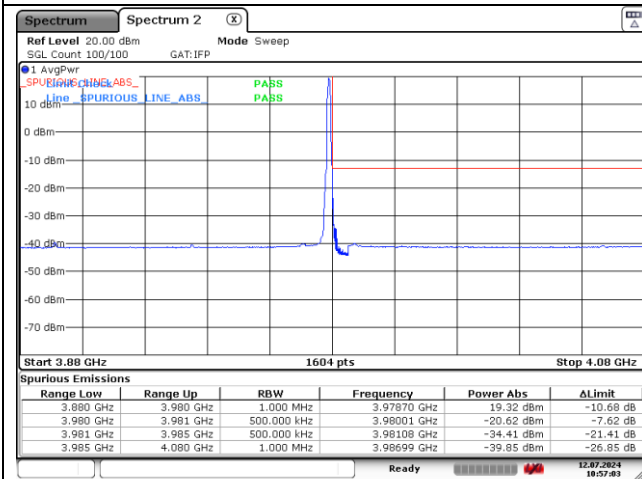
CP-OFDM 16QAM - High Channel - 1 RB

CP-OFDM 16QAM - High Channel - Full RB

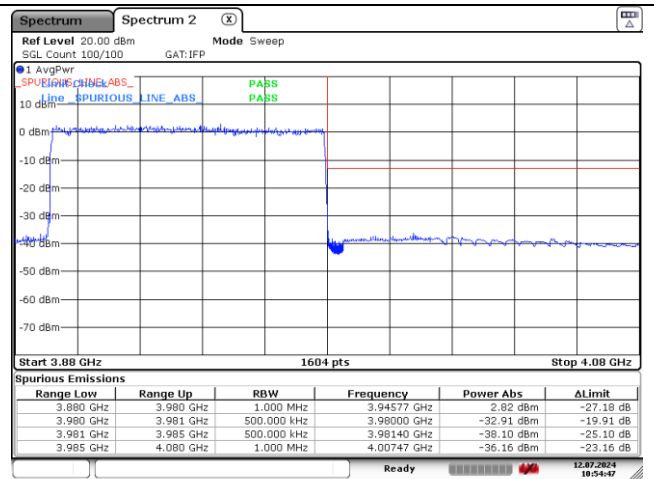
NR band 77_High Band (90 MHz)



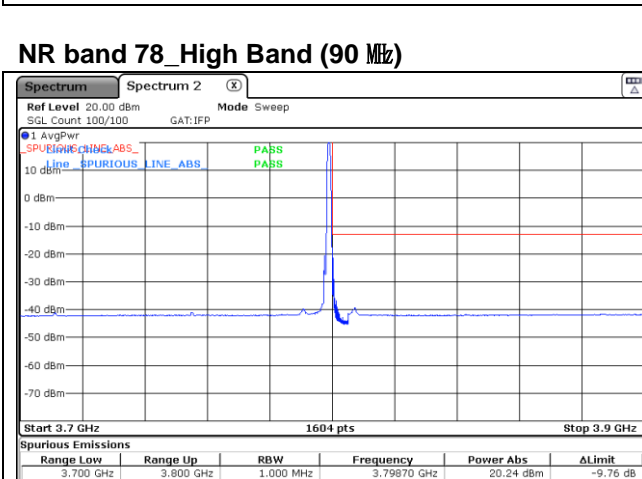
DFT-S-OFDM QPSK - Low Channel - 1 RB



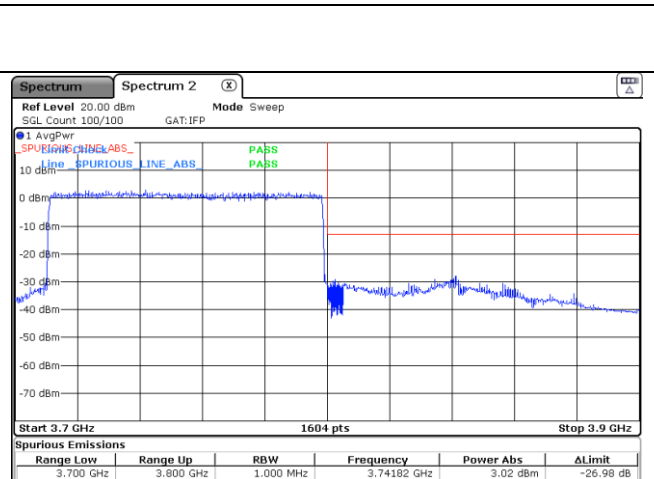
DFT-S-OFDM QPSK - Low Channel - Full RB



DFT-S-OFDM QPSK - High Channel - 1 RB



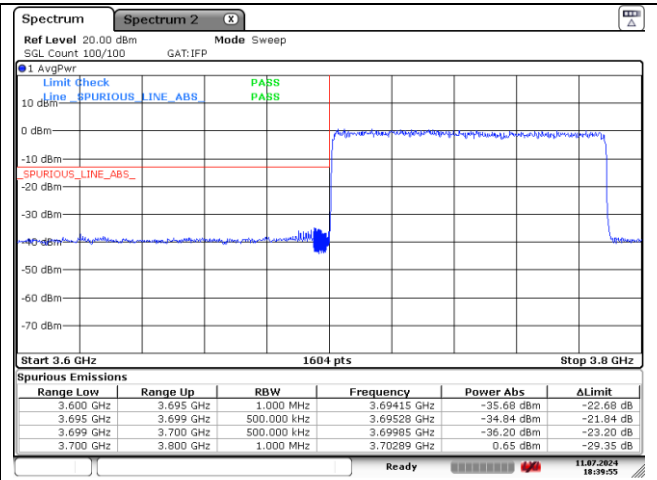
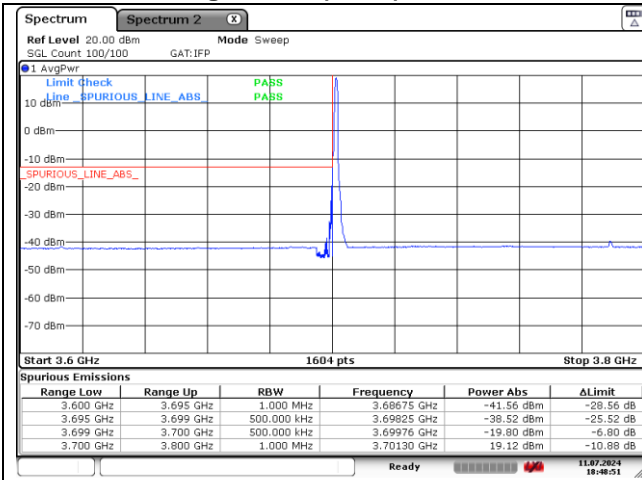
DFT-S-OFDM QPSK - High Channel - Full RB



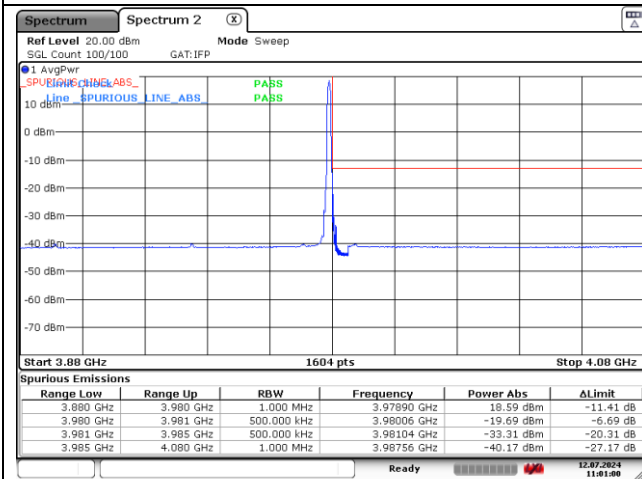
DFT-S-OFDM QPSK - High Channel - 1 RB

DFT-S-OFDM QPSK - High Channel - Full RB

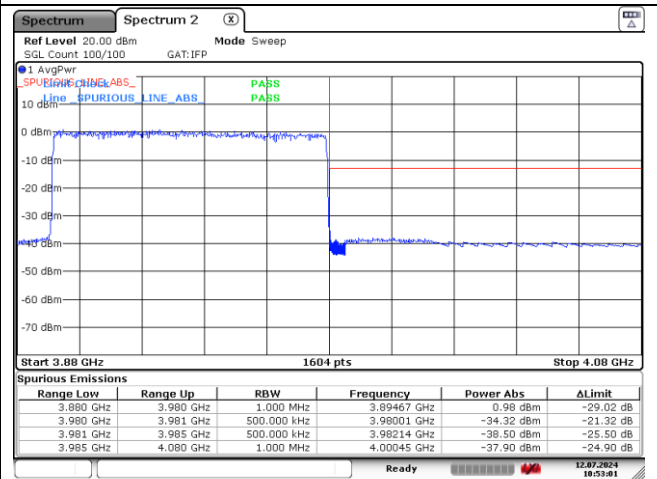
NR band 77_High Band (90 MHz)



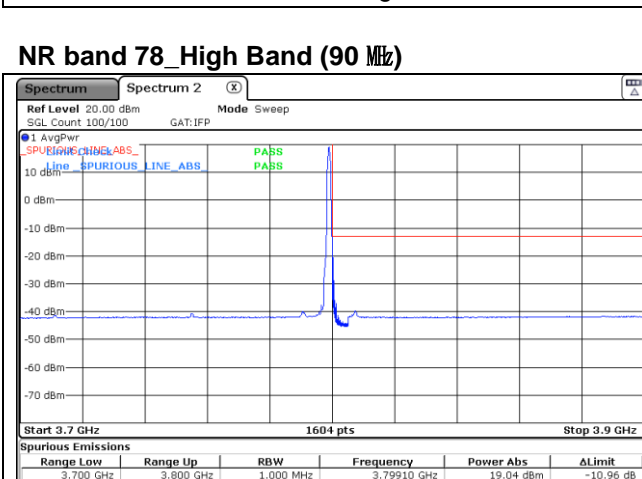
DFT-S-OFDM 16QAM - Low Channel - 1 RB



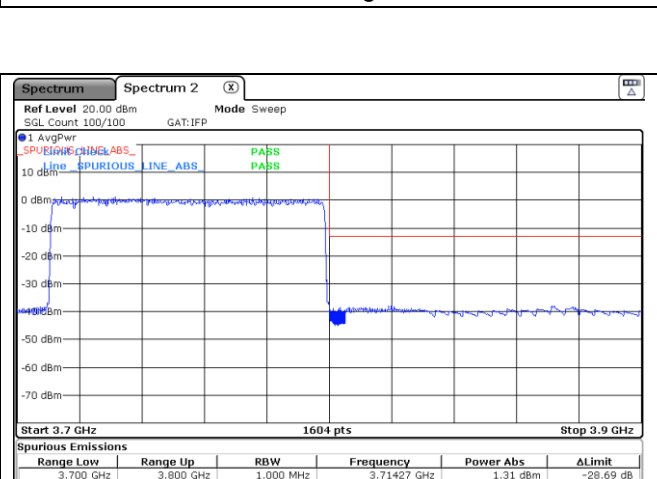
DFT-S-OFDM 16QAM - Low Channel - Full RB



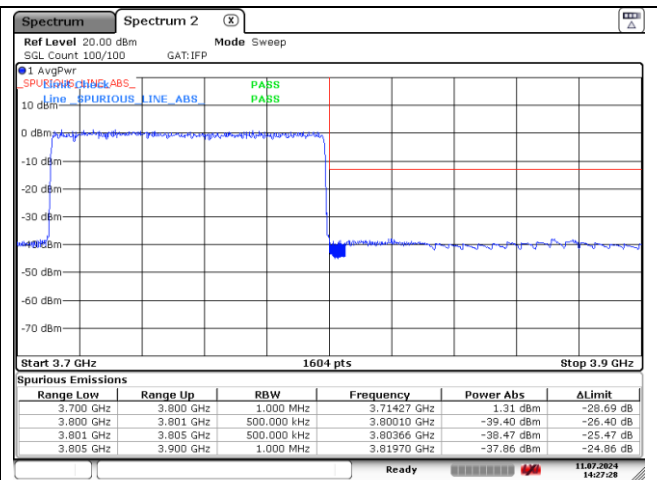
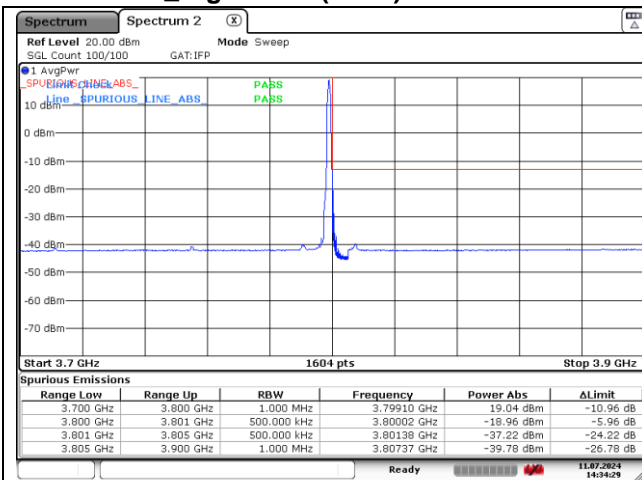
DFT-S-OFDM 16QAM - High Channel - 1 RB



DFT-S-OFDM 16QAM - High Channel - Full RB



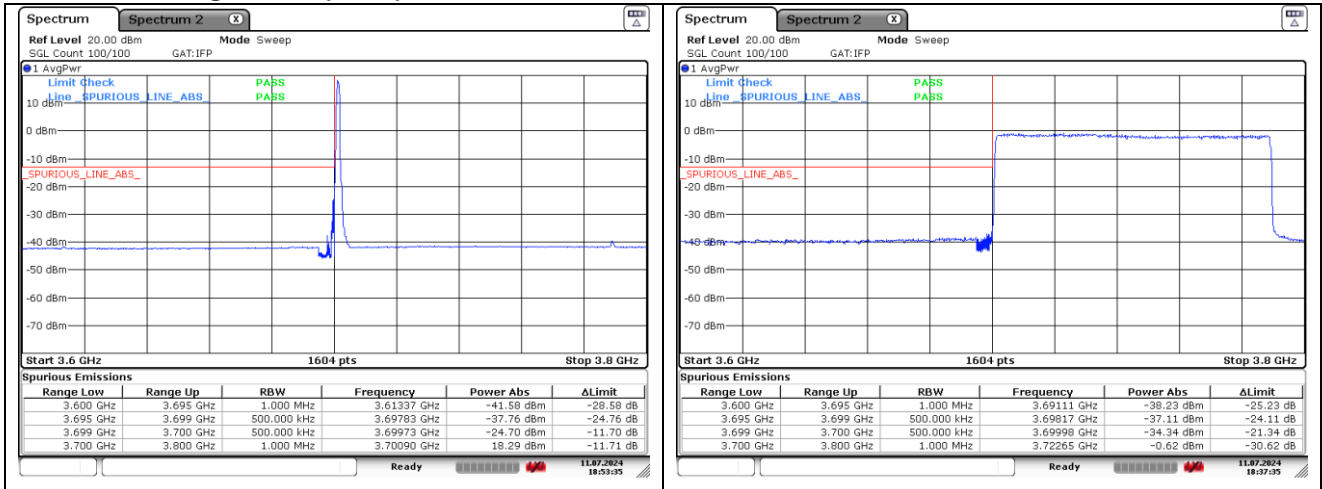
NR band 78_High Band (90 MHz)



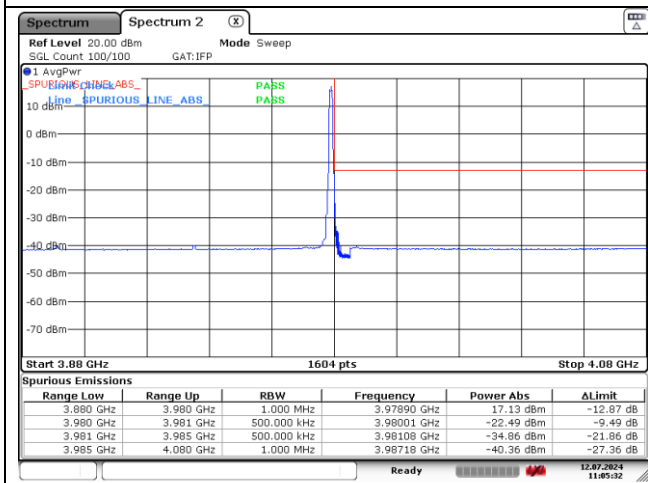
DFT-S-OFDM 16QAM - High Channel - 1 RB

DFT-S-OFDM 16QAM - High Channel - Full RB

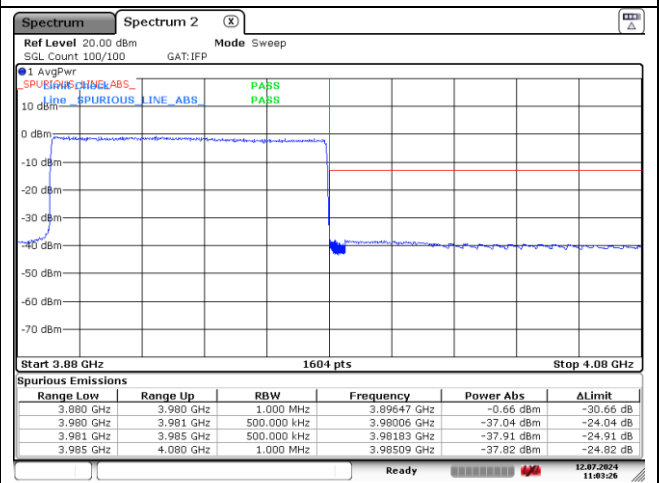
NR band 77_High Band (90 MHz)



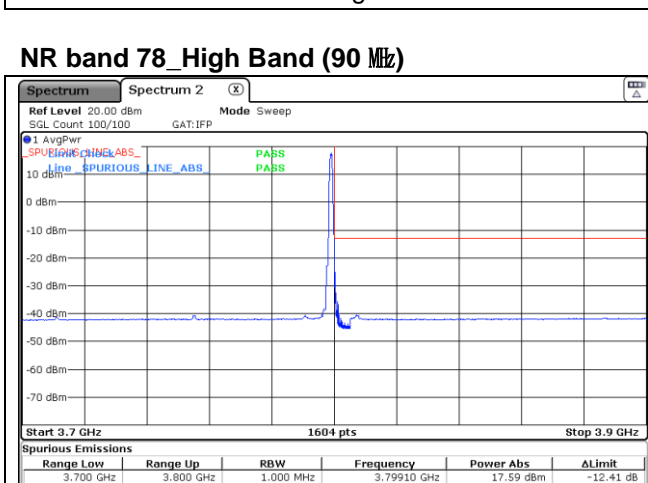
CP-OFDM QPSK - Low Channel - 1 RB



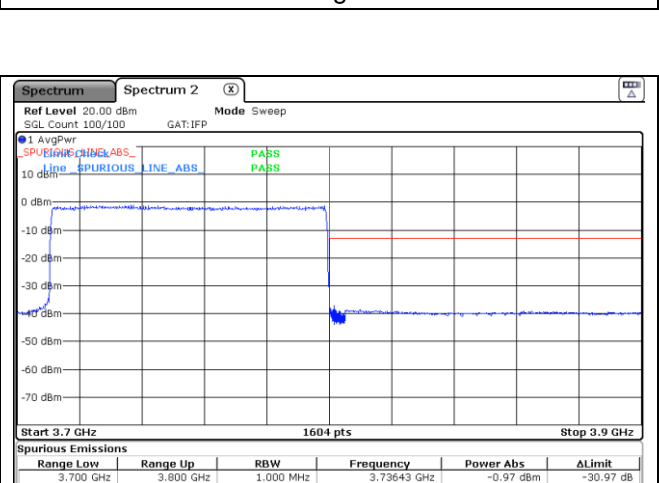
CP-OFDM QPSK - Low Channel - Full RB



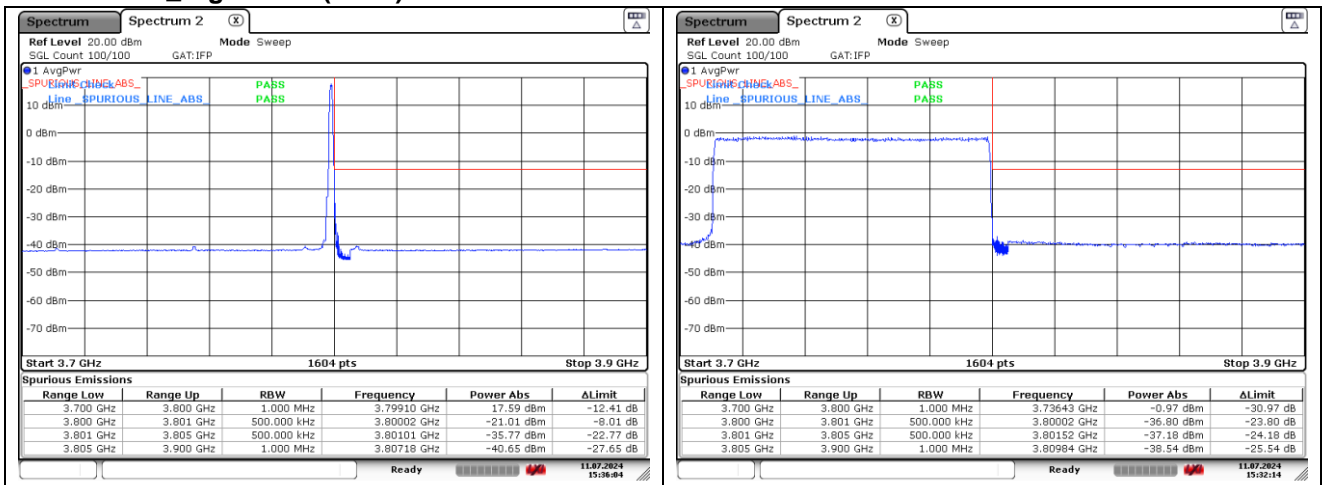
CP-OFDM QPSK - High Channel - 1 RB



CP-OFDM QPSK - High Channel - Full RB



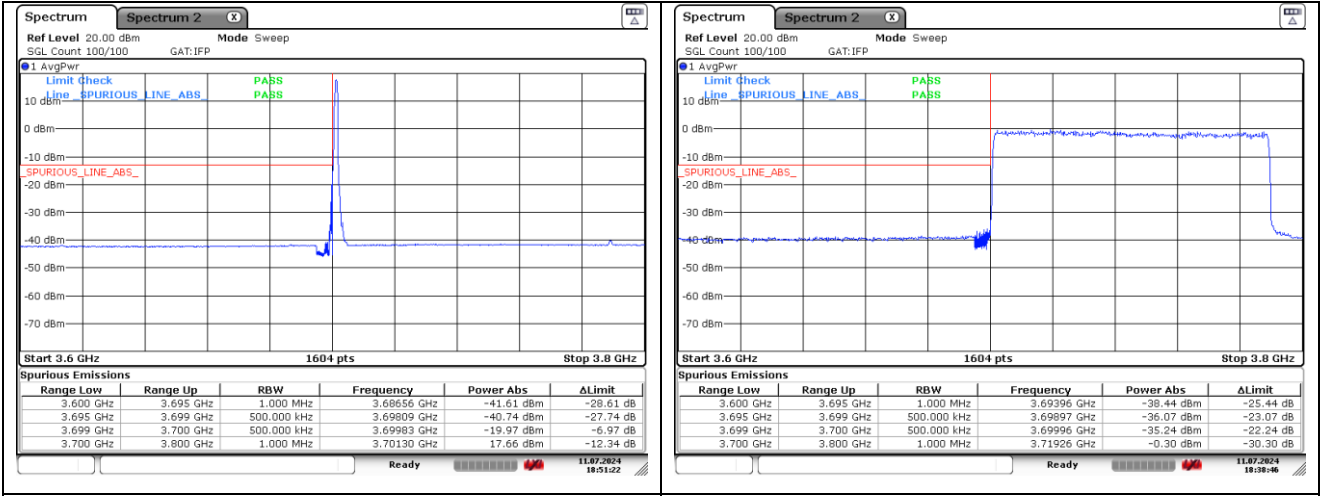
NR band 78_High Band (90 MHz)



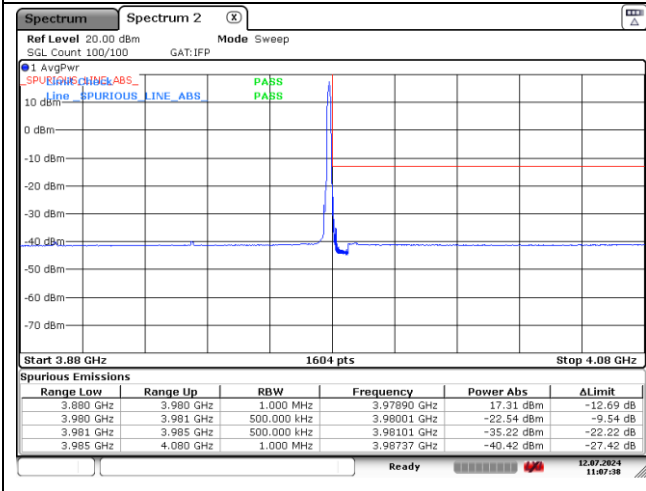
CP-OFDM QPSK - High Channel - 1 RB

CP-OFDM QPSK - High Channel - Full RB

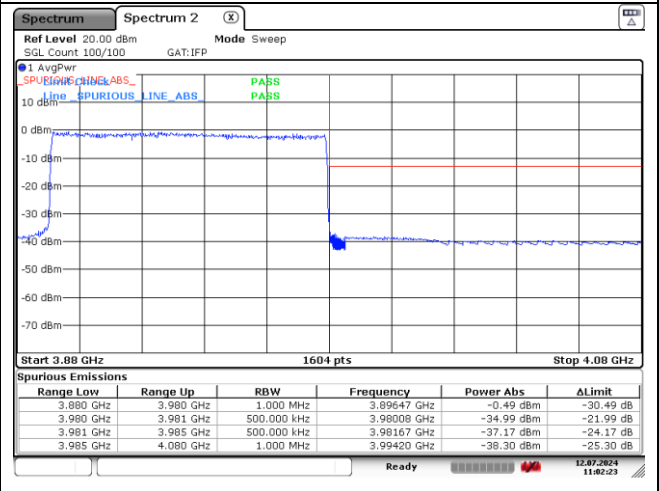
NR band 77_High Band (90 MHz)



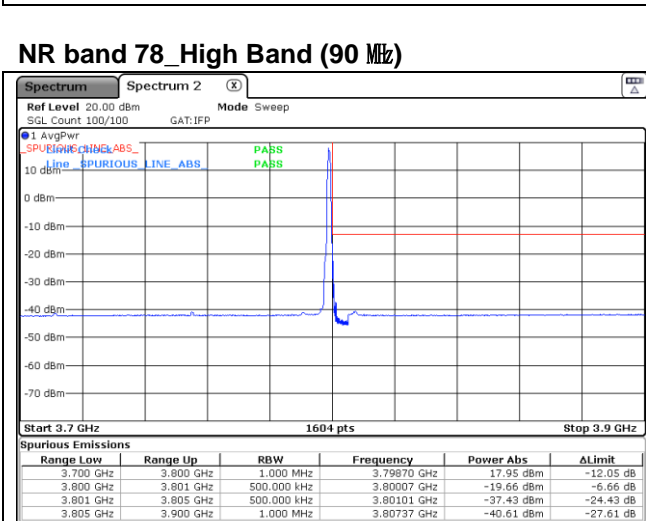
CP-OFDM 16QAM - Low Channel - 1 RB



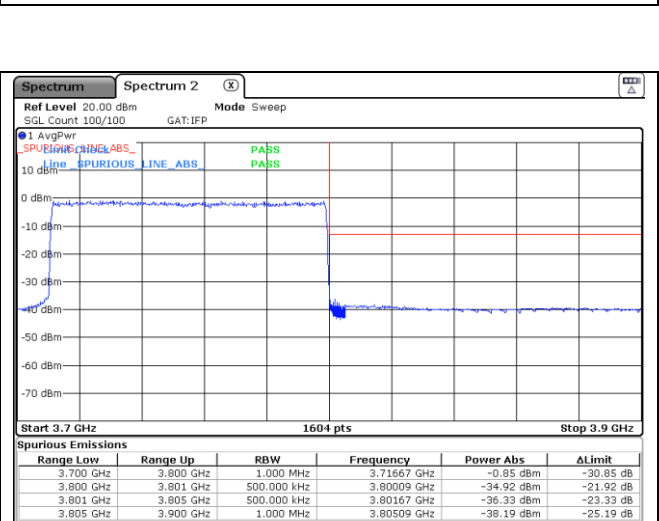
CP-OFDM 16QAM - Low Channel - Full RB



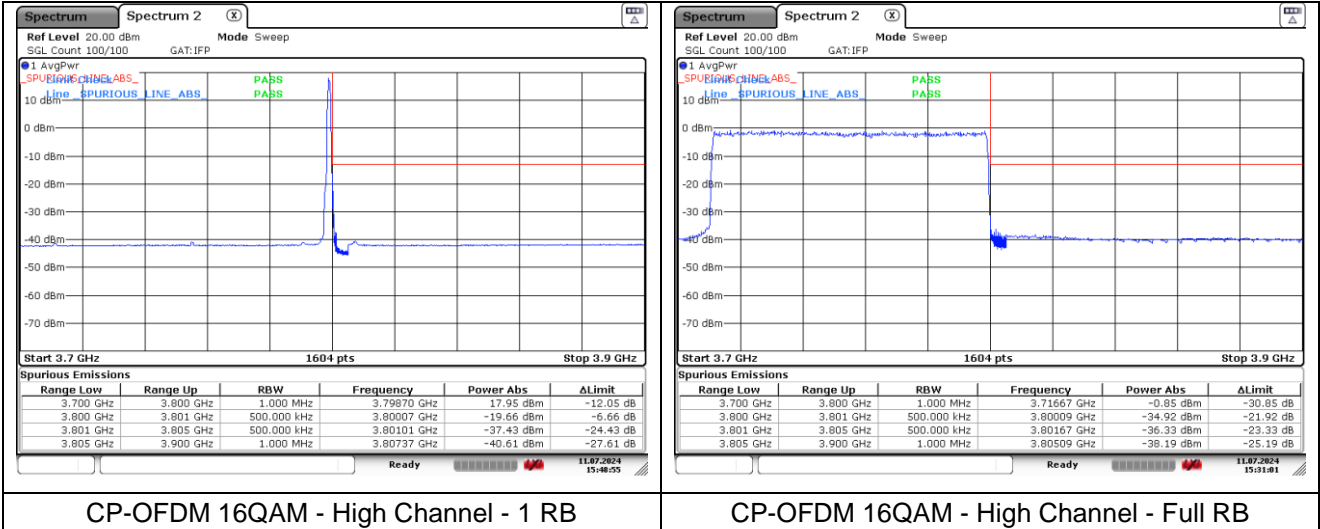
CP-OFDM 16QAM - High Channel - 1 RB



CP-OFDM 16QAM - High Channel - Full RB



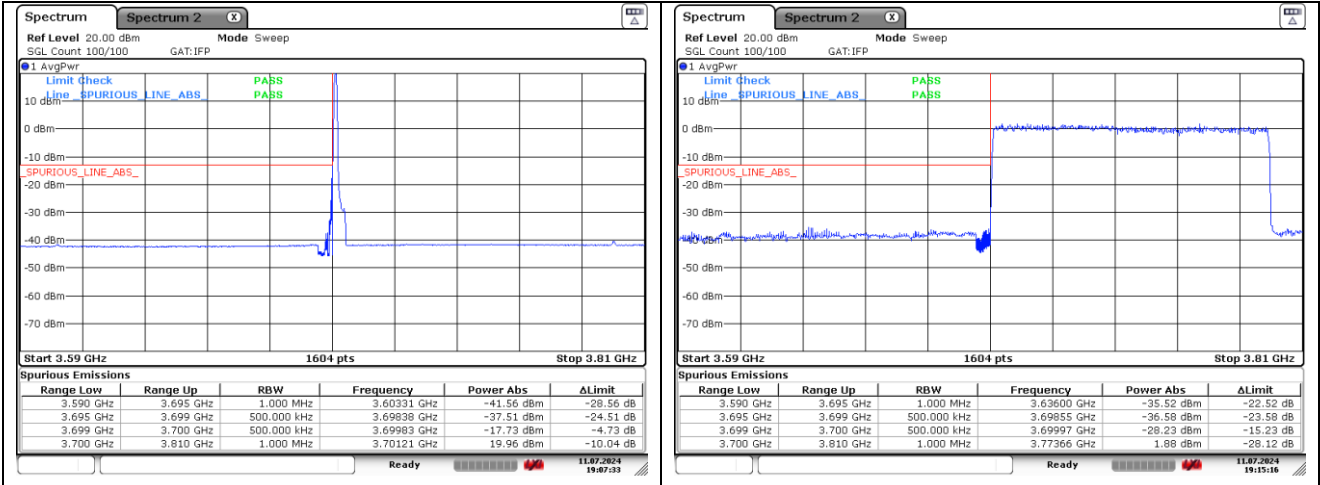
NR band 78_High Band (90 MHz)



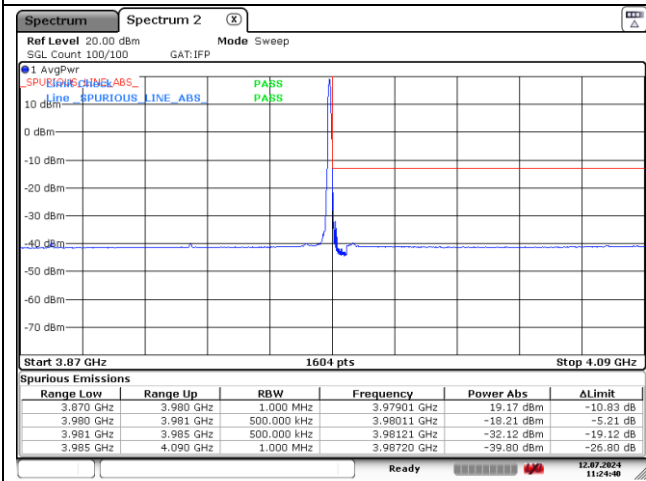
CP-OFDM 16QAM - High Channel - 1 RB

CP-OFDM 16QAM - High Channel - Full RB

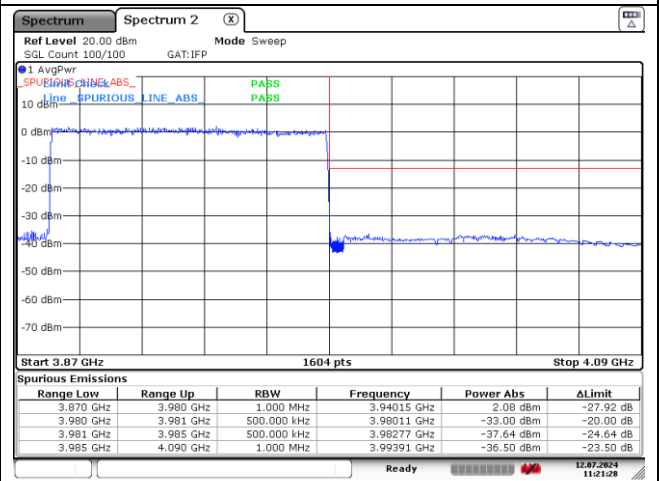
NR band 77_High Band (100 MHz)



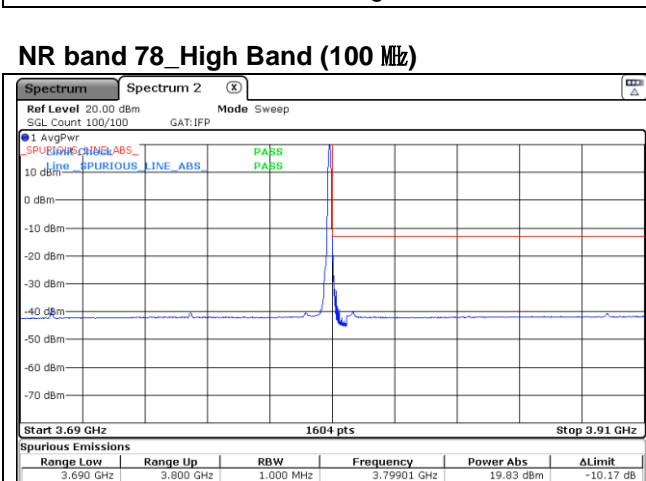
DFT-S-OFDM QPSK - Low Channel - 1 RB



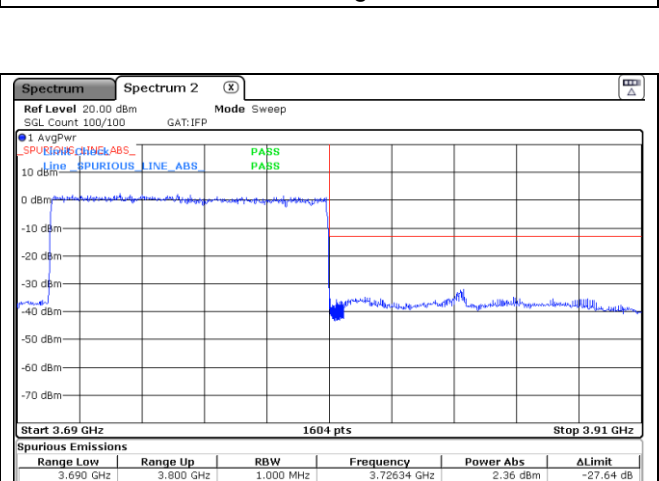
DFT-S-OFDM QPSK - Low Channel - Full RB



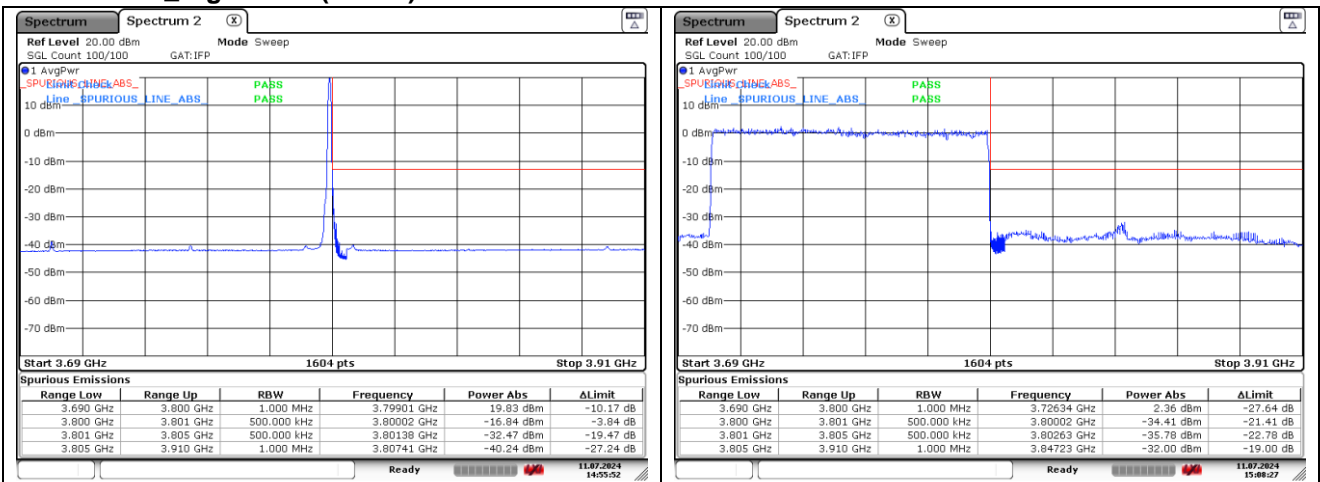
DFT-S-OFDM QPSK - High Channel - 1 RB



DFT-S-OFDM QPSK - High Channel - Full RB



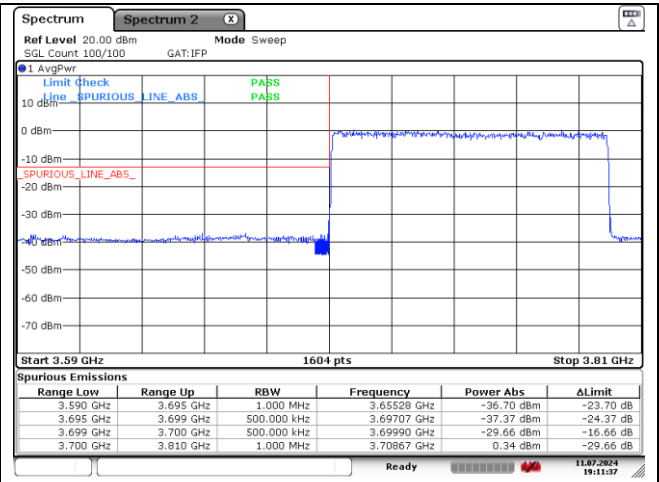
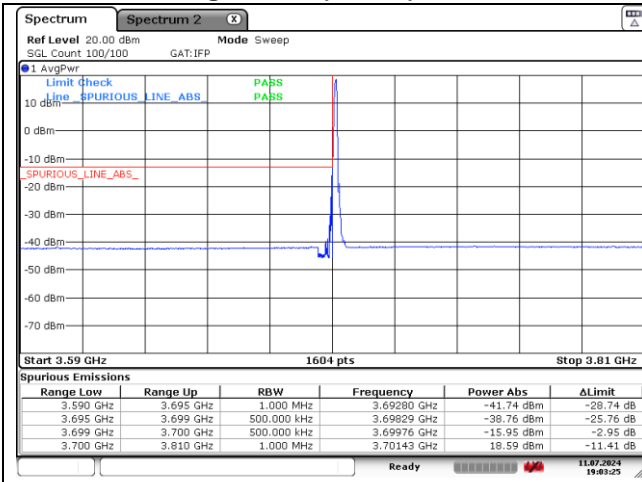
NR band 78_High Band (100 MHz)



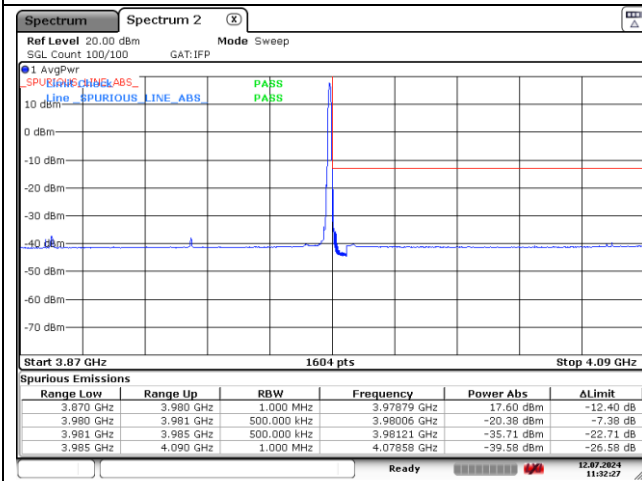
DFT-S-OFDM QPSK - High Channel - 1 RB

DFT-S-OFDM QPSK - High Channel - Full RB

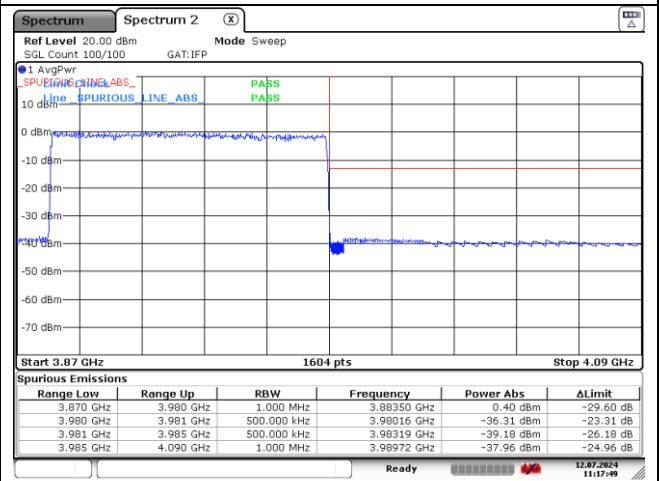
NR band 77_High Band (100 MHz)



DFT-S-OFDM 16QAM - Low Channel - 1 RB



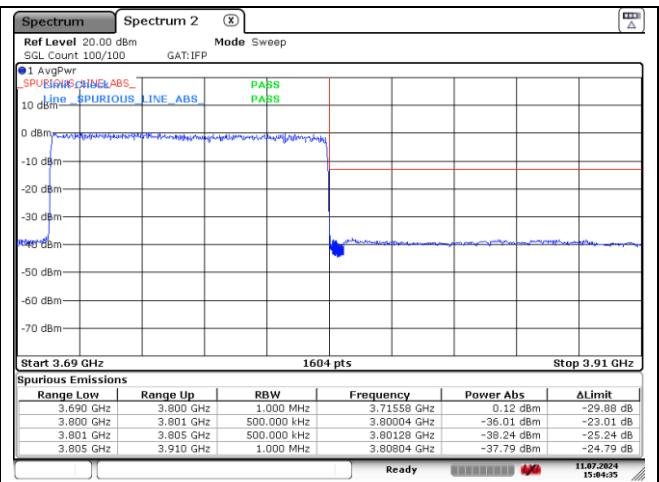
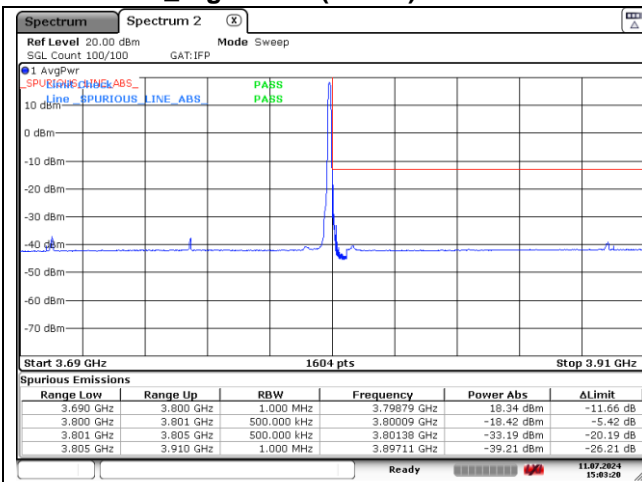
DFT-S-OFDM 16QAM - Low Channel - Full RB



DFT-S-OFDM 16QAM - High Channel - 1 RB

DFT-S-OFDM 16QAM - High Channel - Full RB

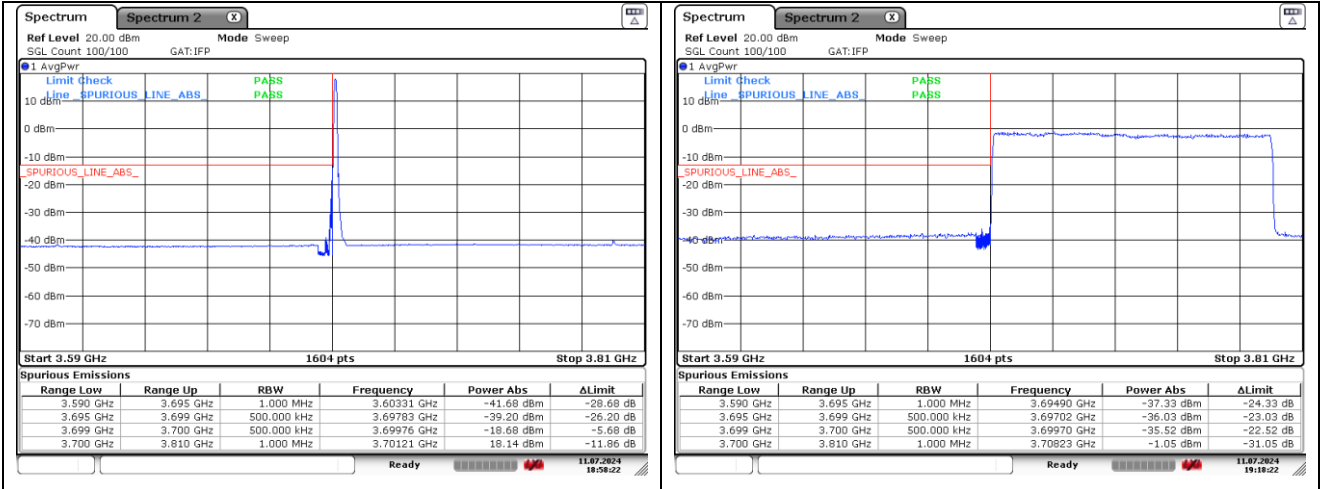
NR band 78_High Band (100 MHz)



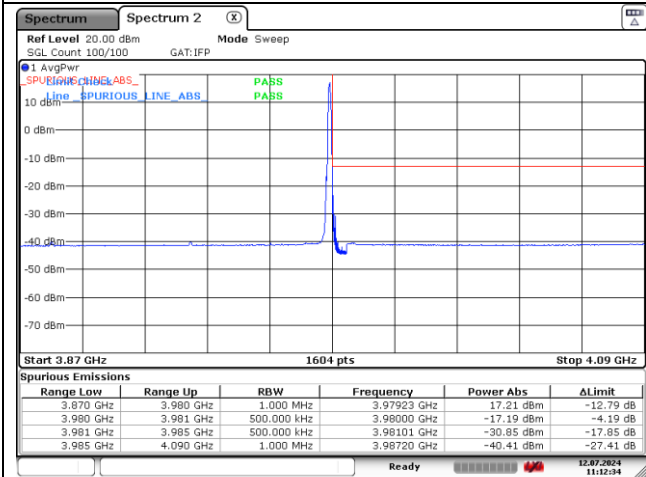
DFT-S-OFDM 16QAM - High Channel - 1 RB

DFT-S-OFDM 16QAM - High Channel - Full RB

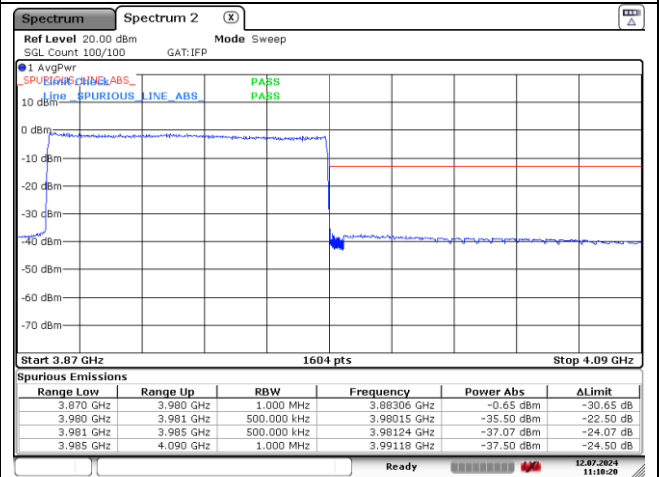
NR band 77_High Band (100 MHz)



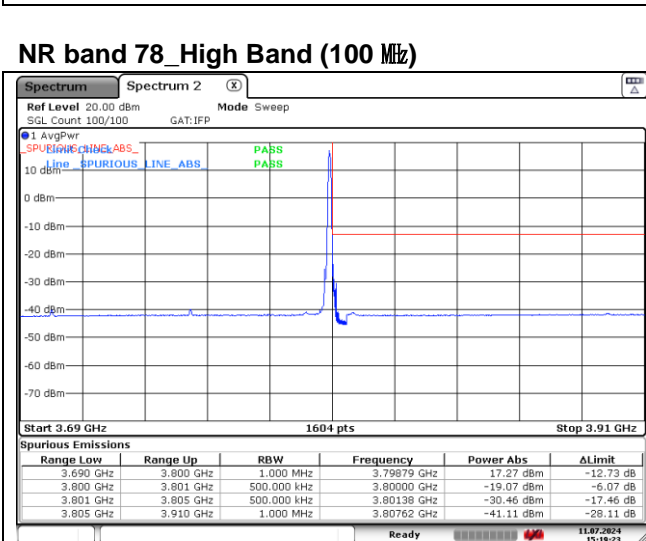
CP-OFDM QPSK - Low Channel - 1 RB



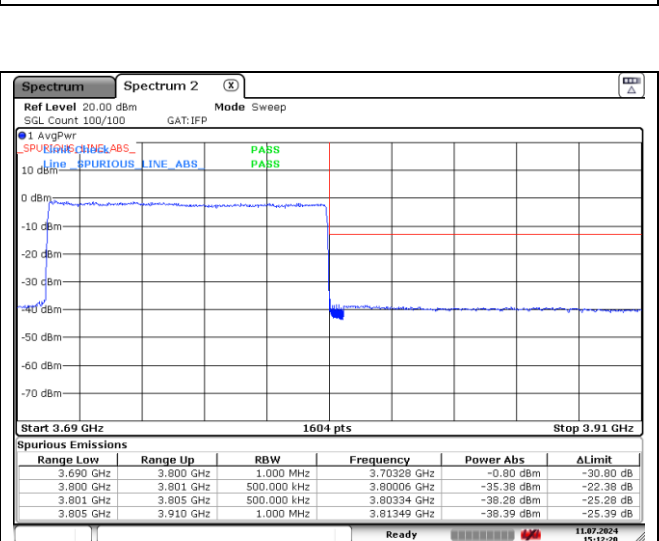
CP-OFDM QPSK - Low Channel - Full RB



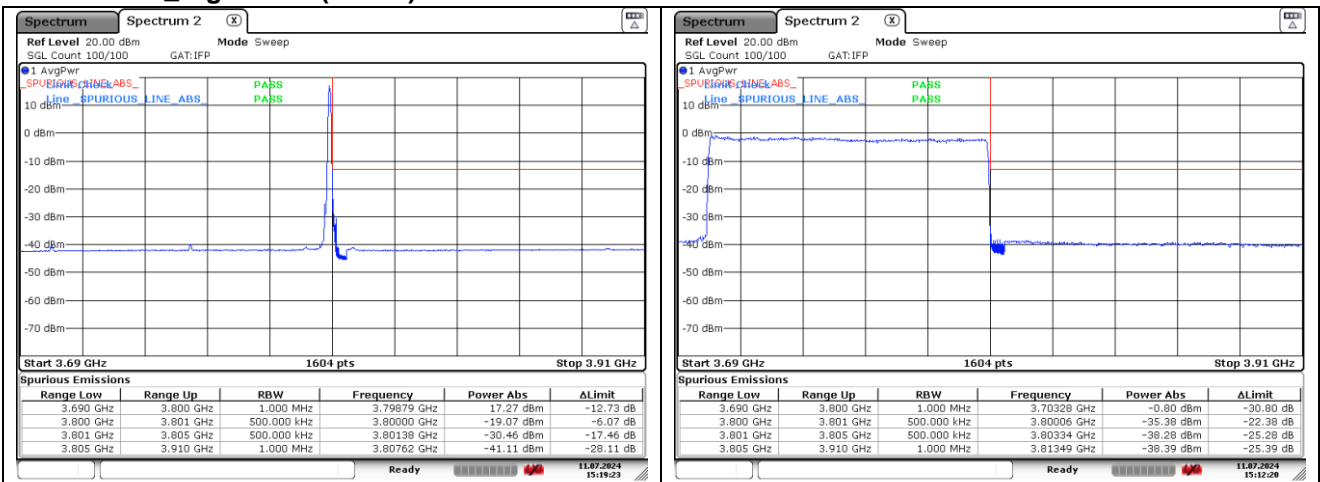
CP-OFDM QPSK - High Channel - 1 RB



CP-OFDM QPSK - High Channel - Full RB



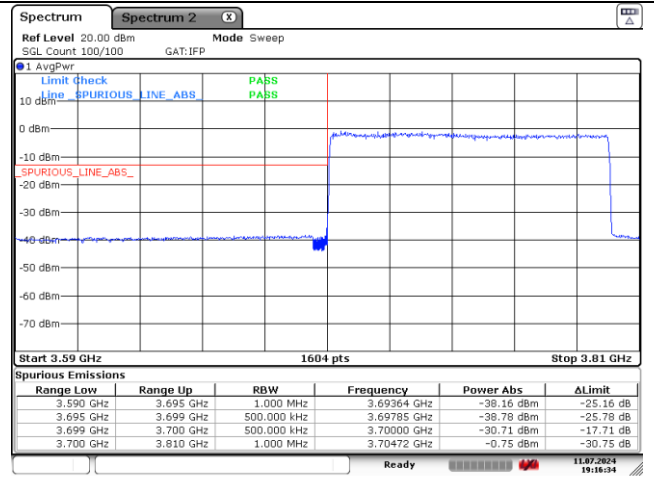
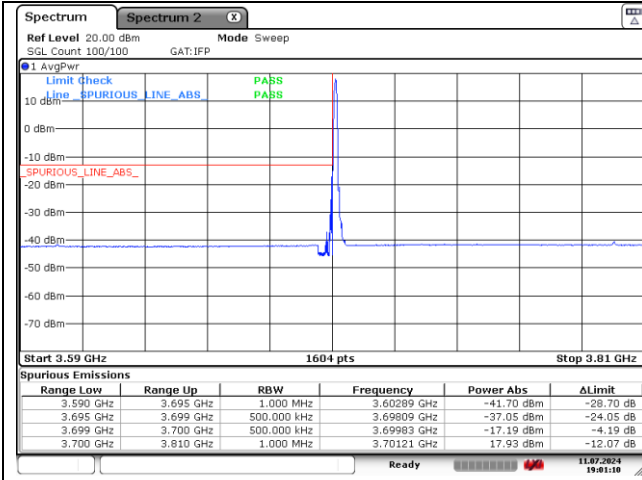
NR band 78_High Band (100 MHz)



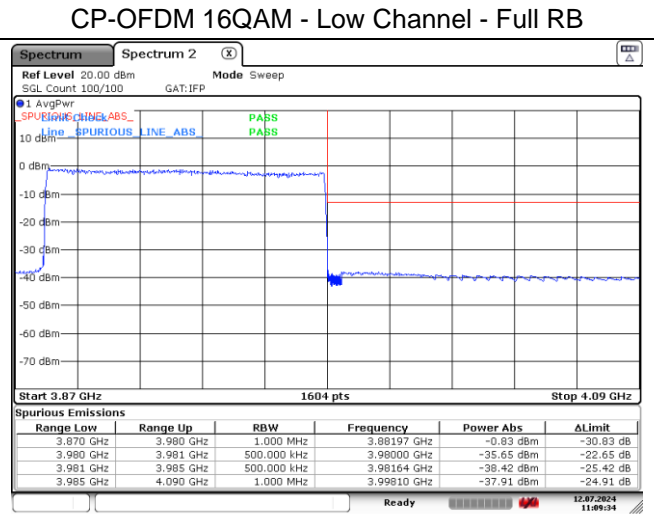
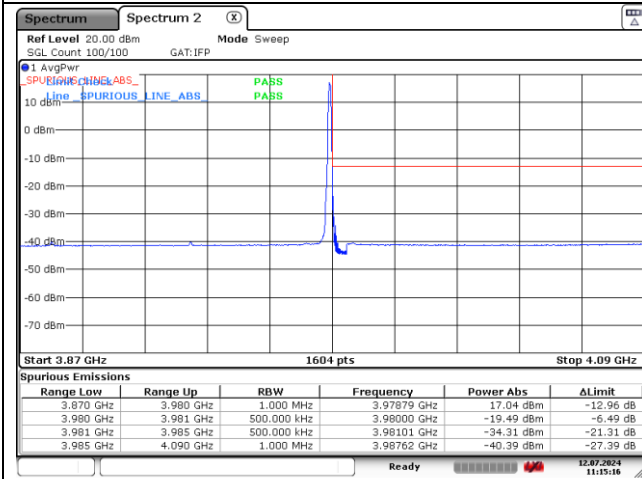
CP-OFDM QPSK - High Channel - 1 RB

CP-OFDM QPSK - High Channel - Full RB

NR band 77_High Band (100 MHz)



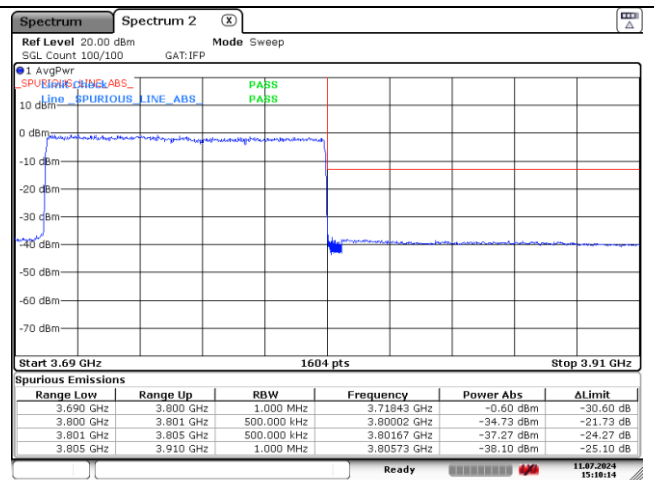
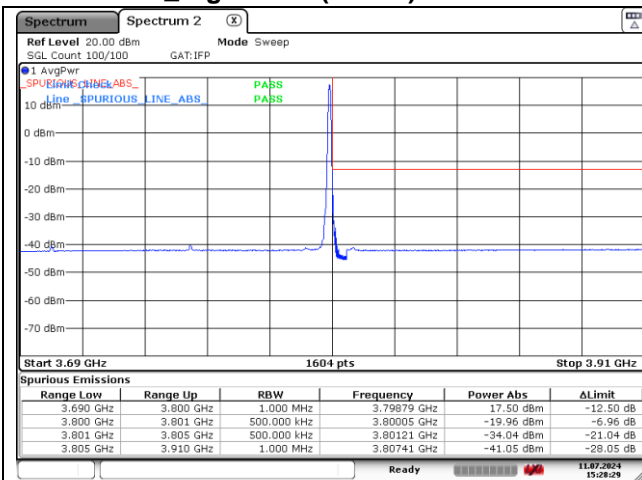
CP-OFDM 16QAM - Low Channel - 1 RB



CP-OFDM 16QAM - High Channel - 1 RB

CP-OFDM 16QAM - High Channel - Full RB

NR band 78_High Band (100 MHz)



CP-OFDM 16QAM - High Channel - 1 RB

CP-OFDM 16QAM - High Channel - Full RB

8. Frequency Stability

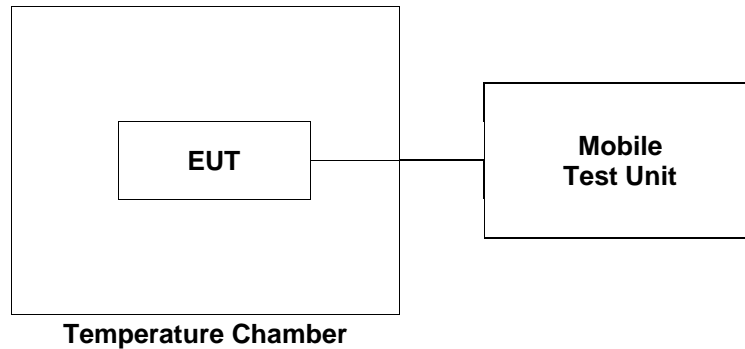
8.1. Limit

- § 2.1055 (a), § 2.1055 (d) & following:

- §27.54, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

8.2. Test Procedure

1. Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to a Mobile Test Unit via feed-through attenuators.
2. The EUT was placed inside the temperature chamber.
3. After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from Mobile Test Unit.



8.3. Test Results

Ambient temperature : (23 ± 1) °C
 Relative humidity : 47 % R.H.

NR band 7 at middle channel

Reference Frequency: 2 535 MHz			
Frequency Stability versus Temperature			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
50	4.10	-8.70	-0.000 75
40		-10.30	-0.001 38
30		-12.50	-0.002 25
20(Ref.)		-6.80	-
10		-5.50	0.000 51
0		-8.60	-0.000 71
-10		-5.10	0.000 67
-20		-9.90	-0.001 22
-30		-11.80	-0.001 97
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.49 (85%)	-11.70	-0.001 93
	4.72 (115%)	-10.10	-0.001 30

NR band 41 at middle channel

Reference Frequency: 2 592.99 MHz			
Frequency Stability versus Temperature			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
50	4.10	-7.70	-0.000 31
40		-5.40	0.000 58
30		-8.60	-0.000 66
20(Ref.)		-6.90	-
10		-9.80	-0.001 12
0		-11.50	-0.001 77
-10		-9.20	-0.000 89
-20		-9.10	-0.000 85
-30		-13.90	-0.002 70
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.49 (85%)	5.90	0.004 94
	4.72 (115%)	-4.60	0.000 89

NR band 77/78_Low Band at middle channel

Reference Frequency: 3 500.01 MHz			
Frequency Stability versus Temperature			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
50	4.10	-9.20	-0.000 83
40		-8.70	-0.000 69
30		-10.20	-0.001 11
20(Ref.)		-6.30	-
10		-9.90	-0.001 03
0		-7.70	-0.000 40
-10		-9.80	-0.001 00
-20		-9.60	-0.000 94
-30		-12.60	-0.001 80
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.49 (85%)	-7.20	-0.000 26
	4.72 (115%)	-5.90	0.000 11

NR band 77/78_High Band at middle channel

Reference Frequency: 3 840 MHz			
Frequency Stability versus Temperature			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
50	4.10	-10.70	-0.001 09
40		-9.90	-0.000 89
30		-9.60	-0.000 81
20(Ref.)		-6.50	-
10		-8.00	-0.000 39
0		-11.70	-0.001 35
-10		-10.80	-0.001 12
-20		-10.90	-0.001 15
-30		-11.90	-0.001 41
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.49 (85%)	-7.70	-0.000 31
	4.72 (115%)	-8.40	-0.000 49

- End of the Test Report -