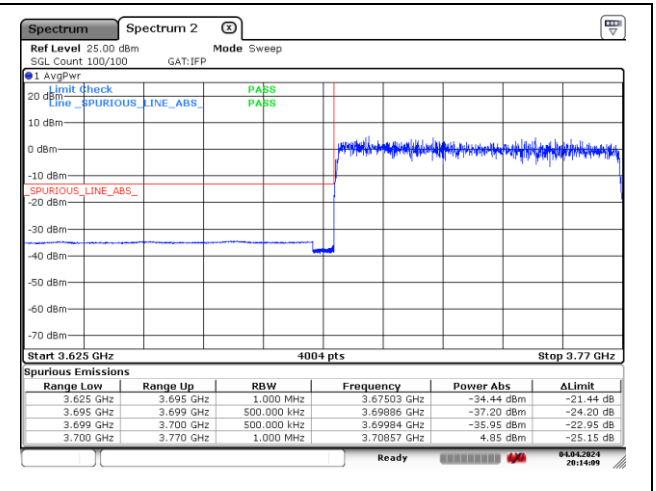
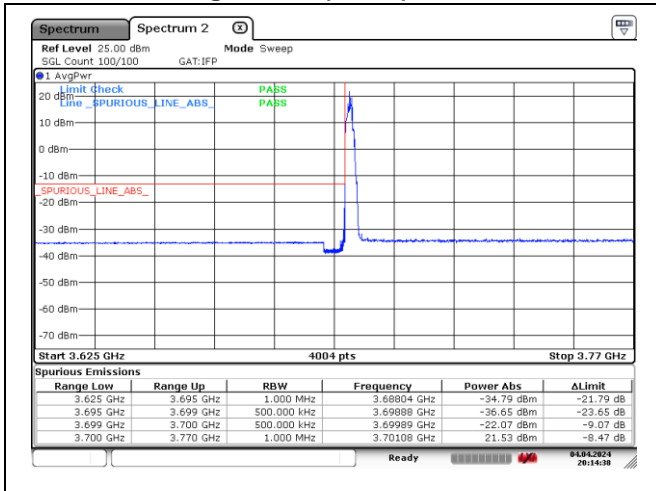
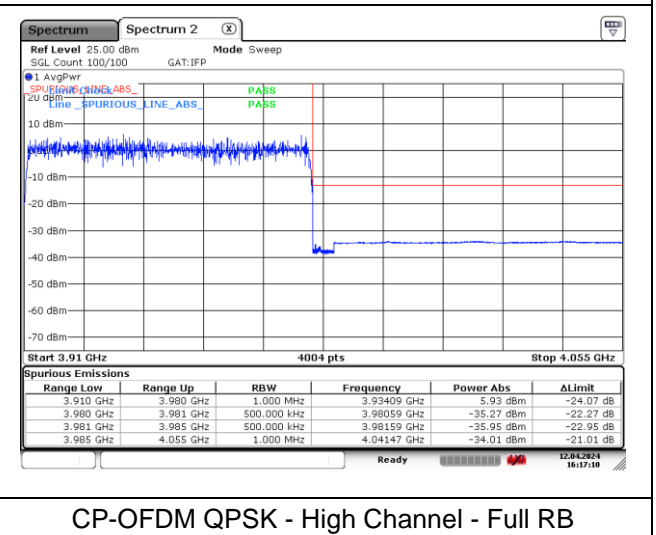
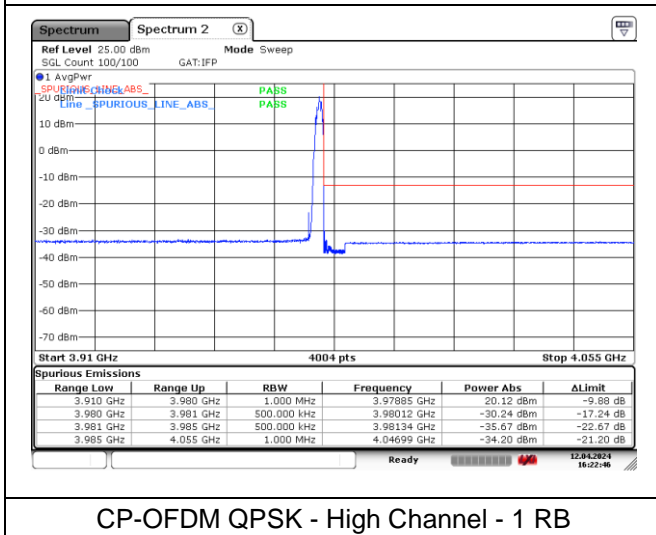


**NR band 77\_High Band (70 MHz)**



CP-OFDM QPSK - Low Channel - 1 RB

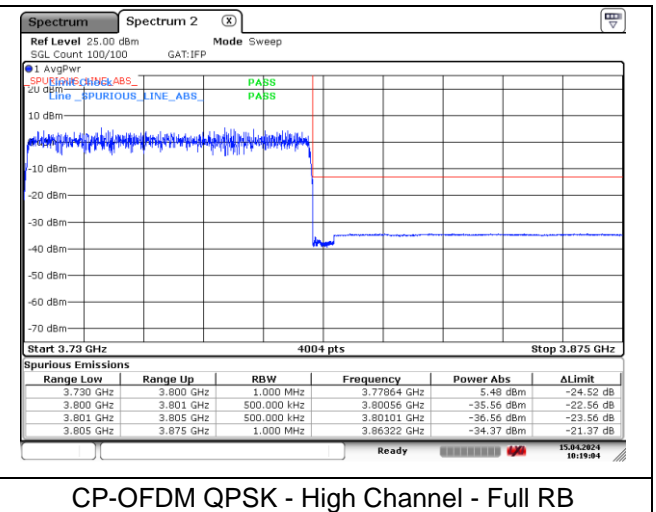
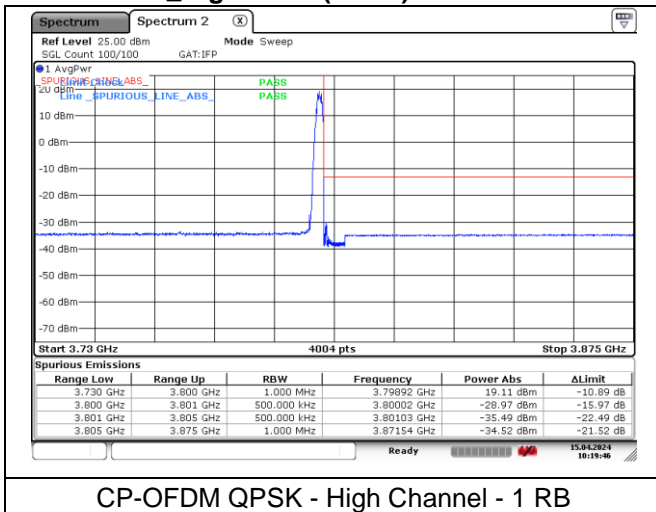
CP-OFDM QPSK - Low Channel - Full RB



CP-OFDM QPSK - High Channel - 1 RB

CP-OFDM QPSK - High Channel - Full RB

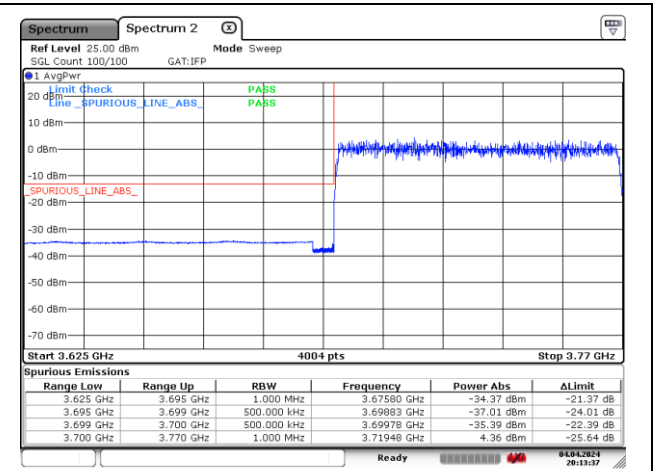
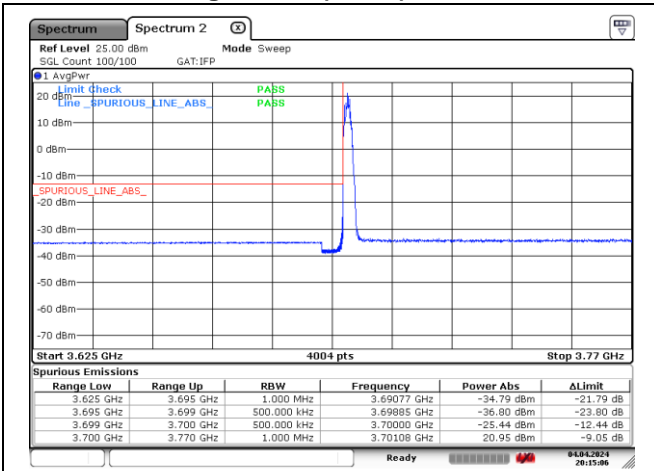
**NR band 78\_High Band (70 MHz)**



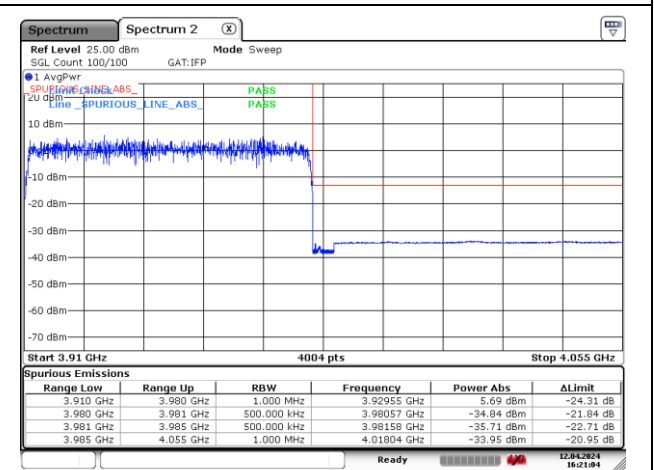
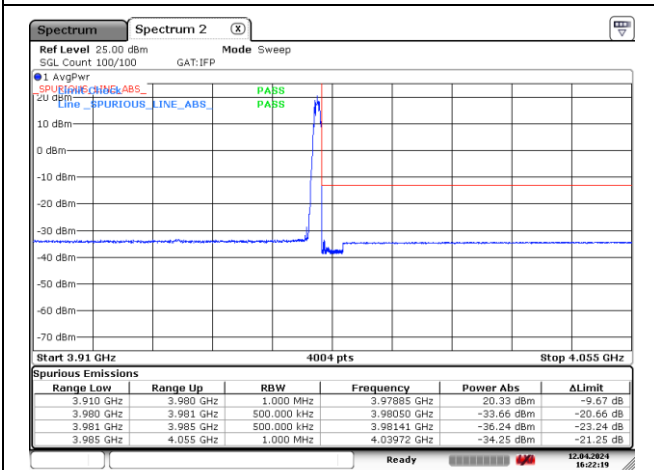
CP-OFDM QPSK - High Channel - 1 RB

CP-OFDM QPSK - High Channel - Full RB

**NR band 77\_High Band (70 MHz)**



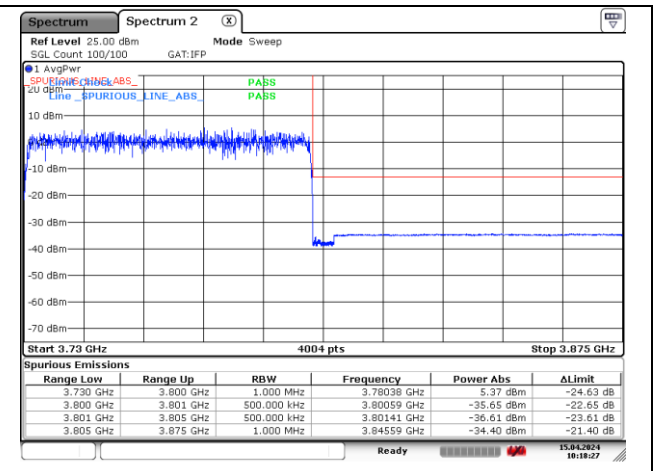
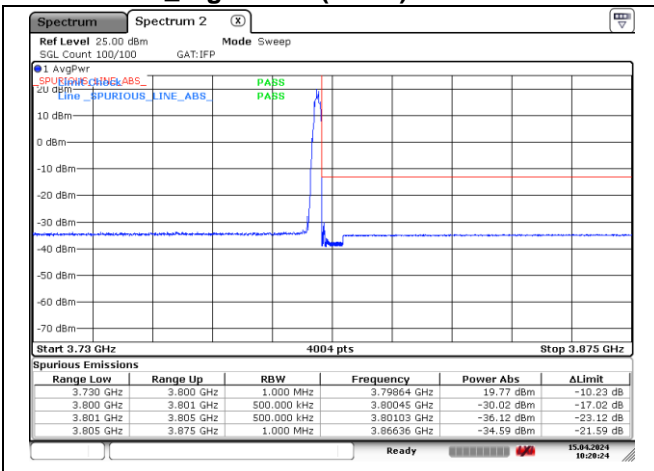
**CP-OFDM 16QAM - Low Channel - 1 RB**



**CP-OFDM 16QAM - High Channel - 1 RB**

**CP-OFDM 16QAM - High Channel - Full RB**

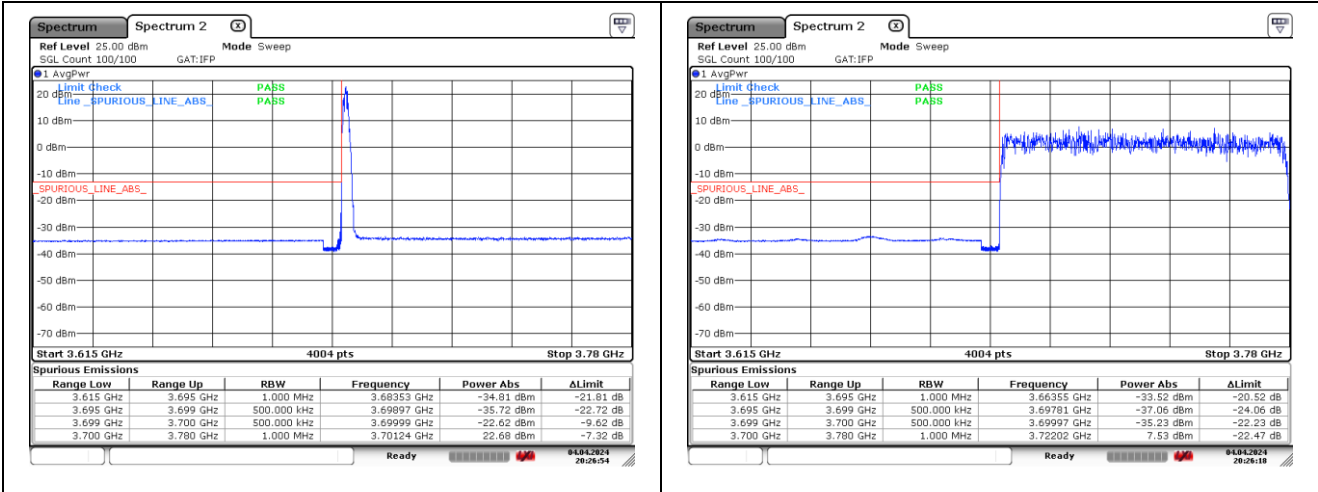
**NR band 78\_High Band (70 MHz)**



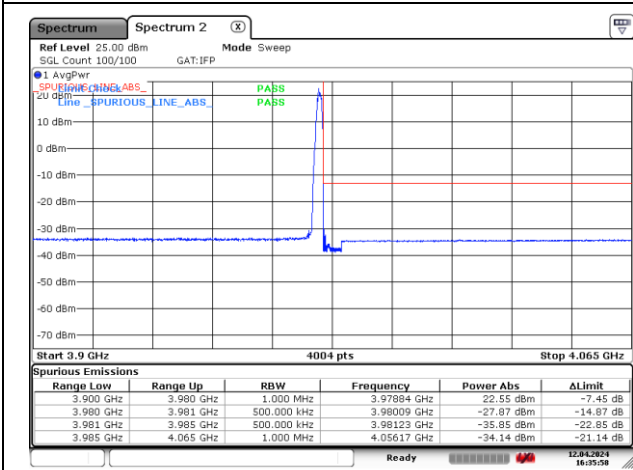
**CP-OFDM 16QAM - High Channel - 1 RB**

**CP-OFDM 16QAM - High Channel - Full RB**

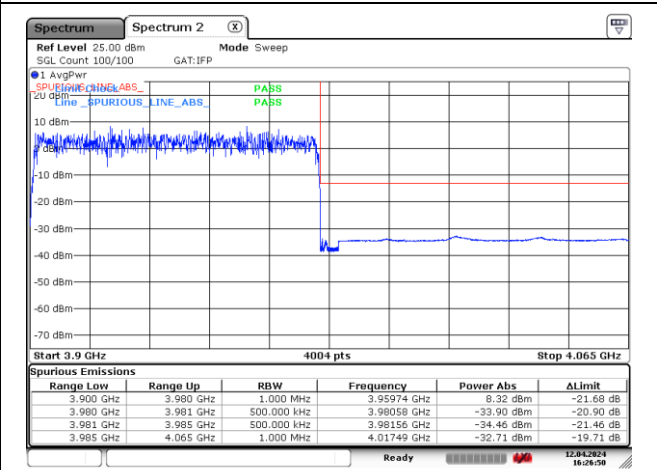
**NR band 77\_High Band (80 MHz)**



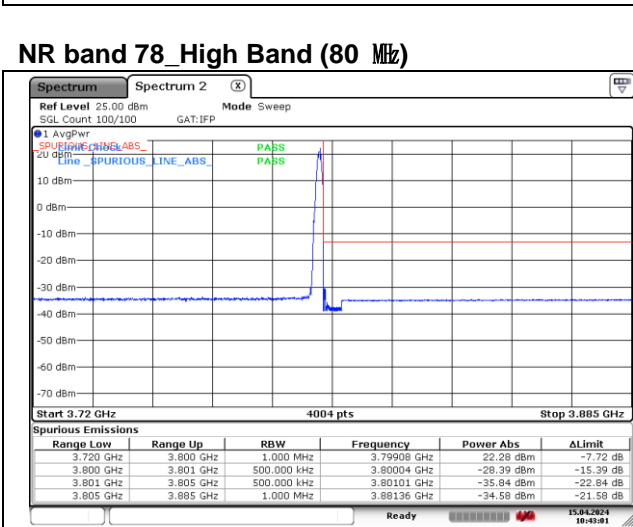
**DFT-S-OFDM BPSK - Low Channel - 1 RB**



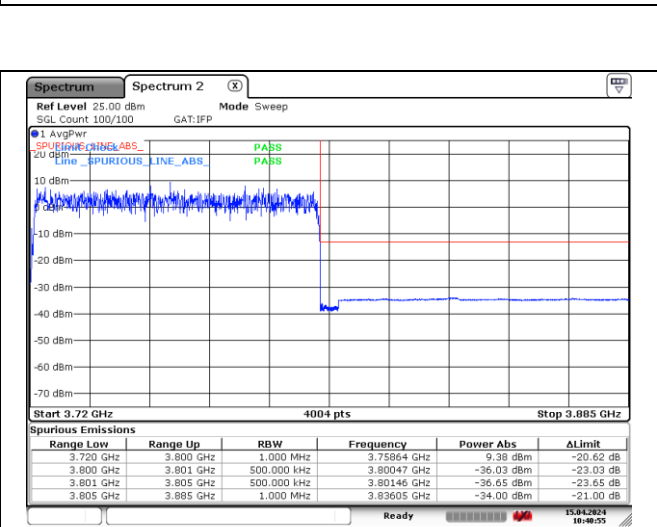
**DFT-S-OFDM BPSK - Low Channel - Full RB**



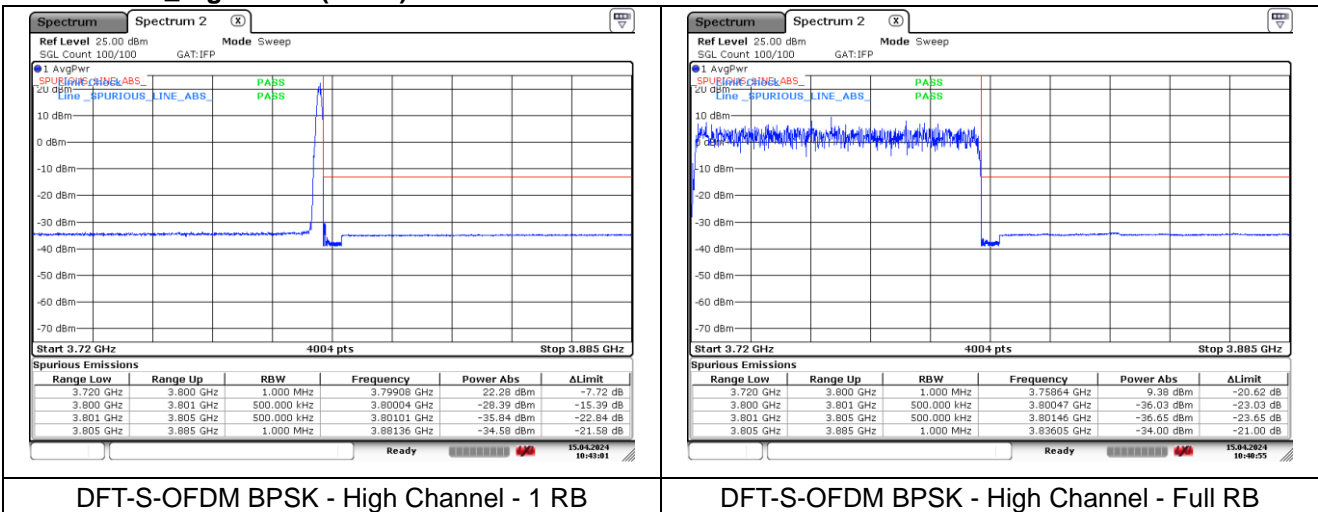
**DFT-S-OFDM BPSK - High Channel - 1 RB**



**DFT-S-OFDM BPSK - High Channel - Full RB**



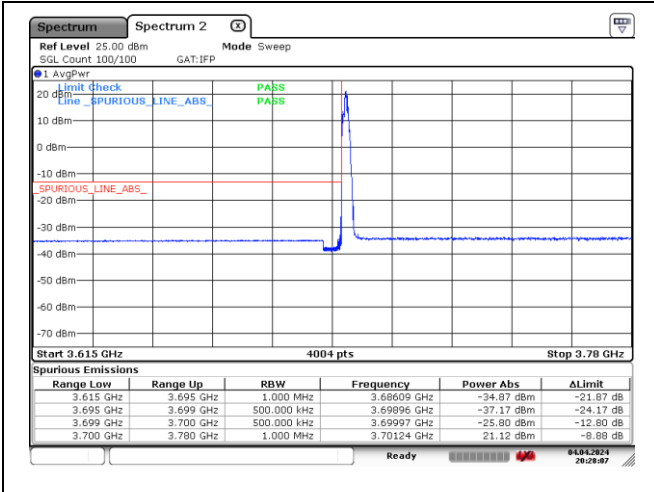
**NR band 78\_High Band (80 MHz)**



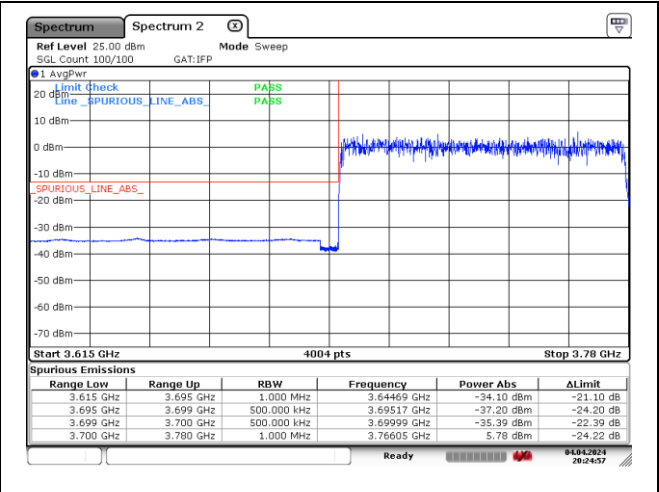
**DFT-S-OFDM BPSK - High Channel - 1 RB**

**DFT-S-OFDM BPSK - High Channel - Full RB**

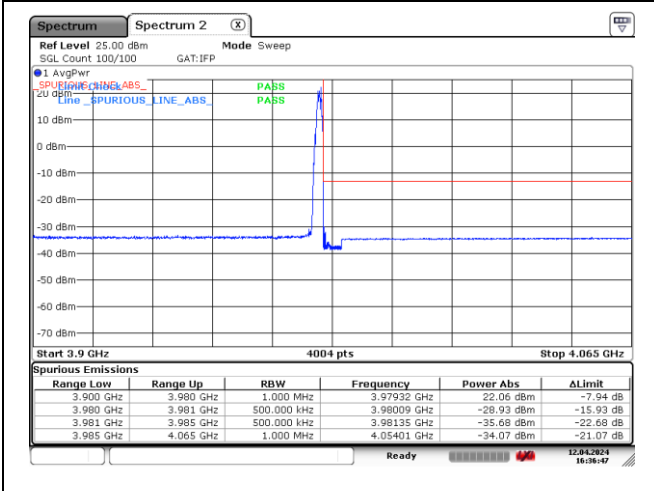
**NR band 77\_High Band (80 MHz)**



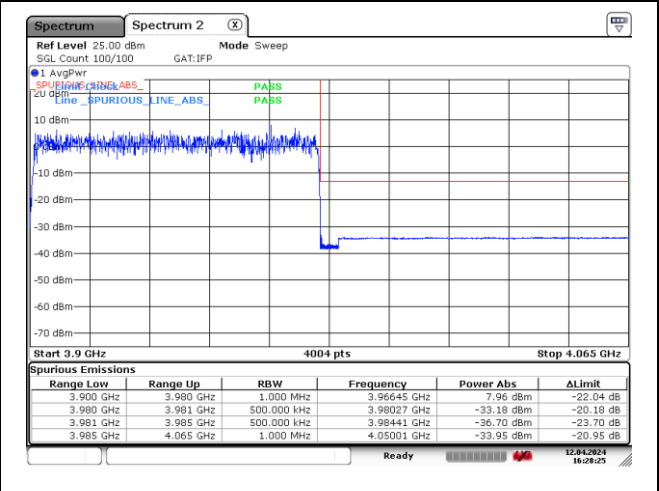
DFT-S-OFDM 16QAM - Low Channel - 1 RB



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

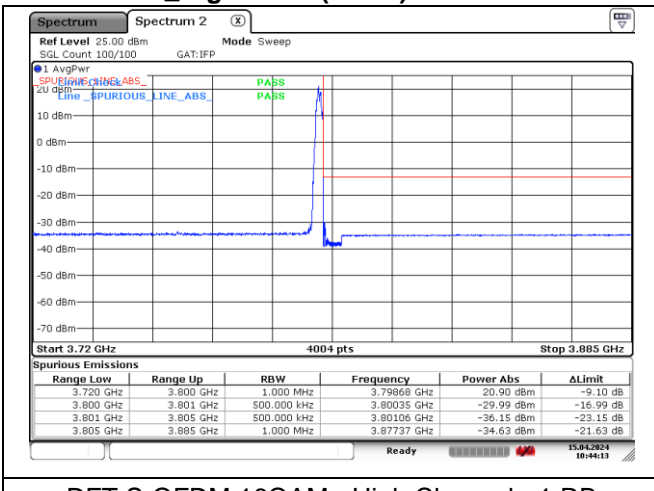


DFT-S-OFDM 16QAM - High Channel - 1 RB

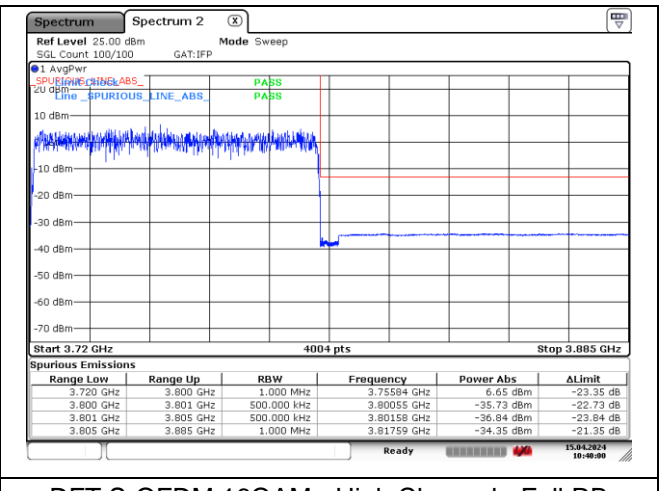


DFT-S-OFDM 16QAM - High Channel - Full RB

**NR band 78\_High Band (80 MHz)**

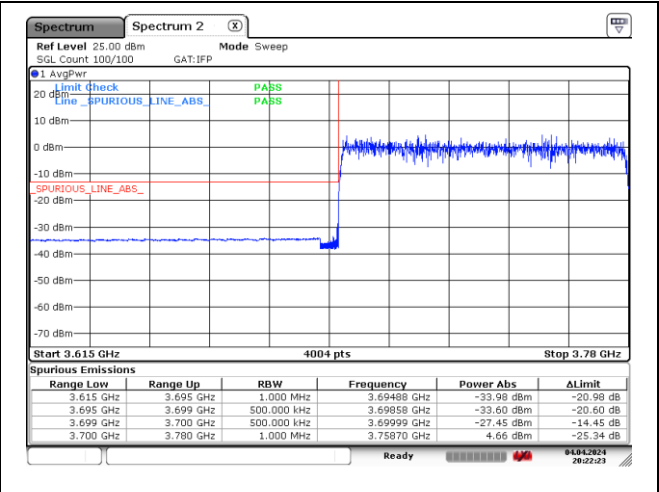
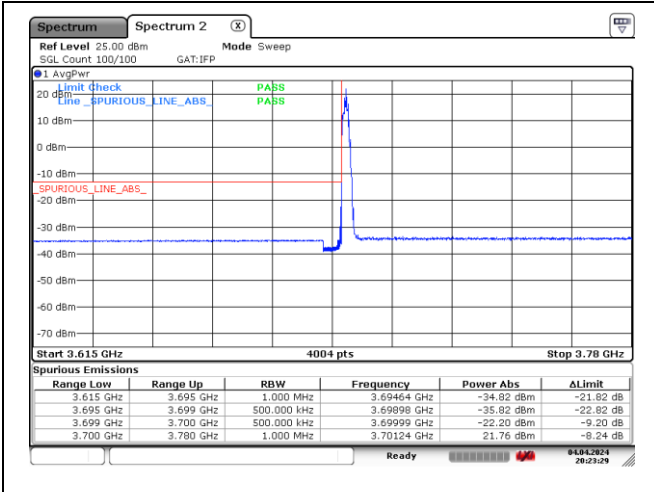


DFT-S-OFDM 16QAM - High Channel - 1 RB



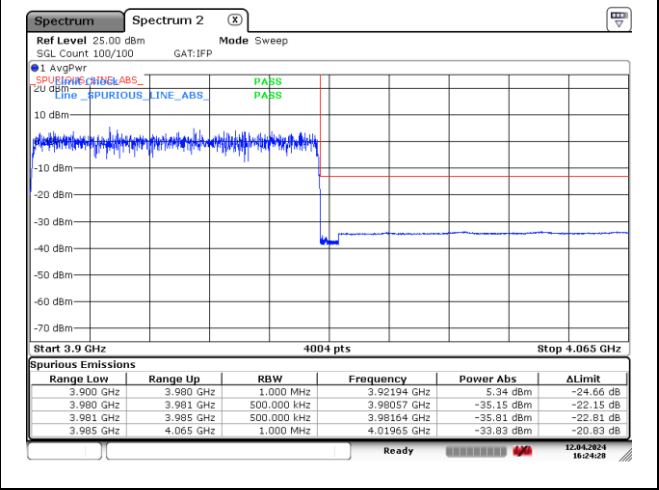
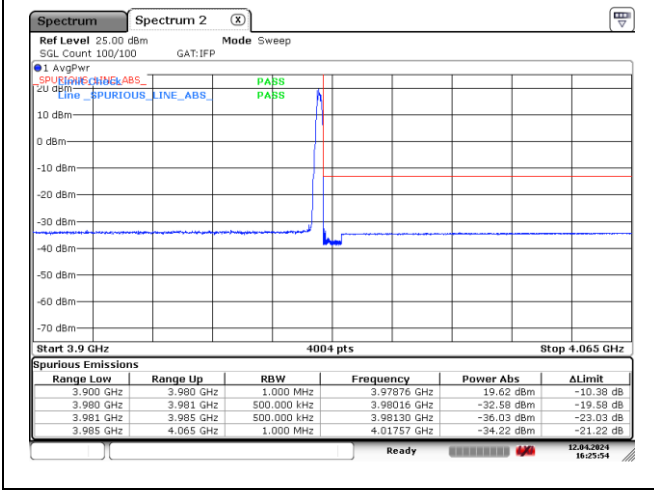
DFT-S-OFDM 16QAM - High Channel - Full RB

**NR band 77\_High Band (80 MHz)**



CP-OFDM QPSK - Low Channel - 1 RB

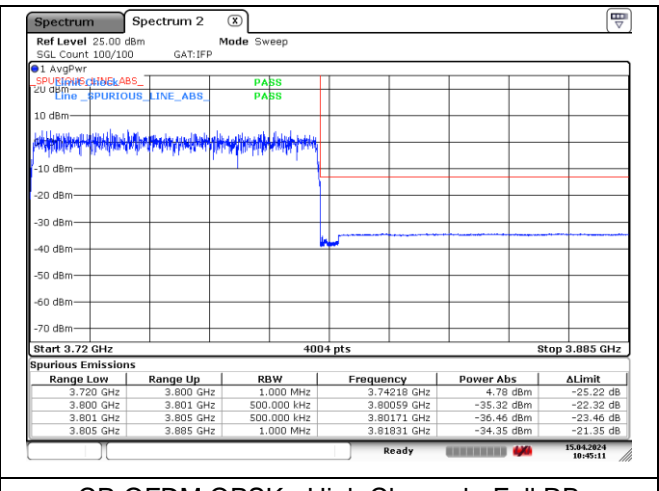
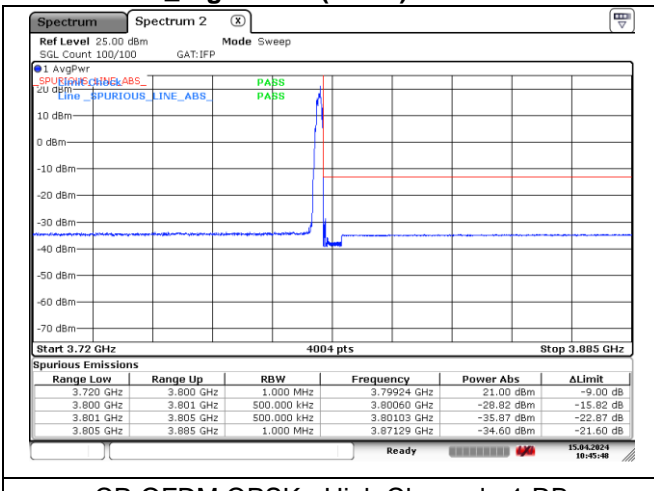
CP-OFDM QPSK - Low Channel - Full RB



CP-OFDM QPSK - High Channel - 1 RB

CP-OFDM QPSK - High Channel - Full RB

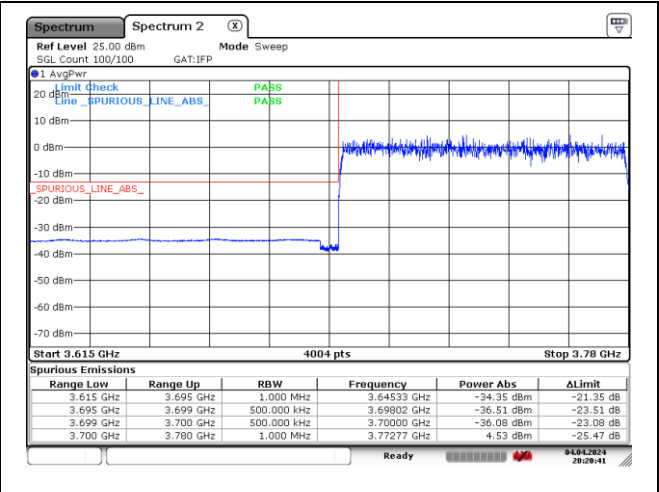
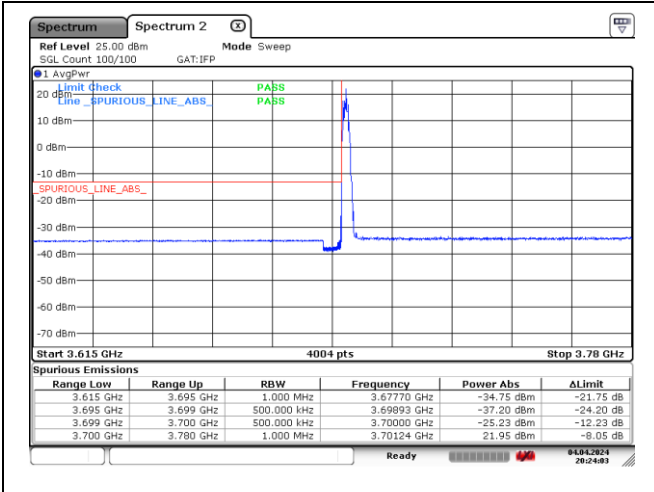
**NR band 78\_High Band (80 MHz)**



CP-OFDM QPSK - High Channel - 1 RB

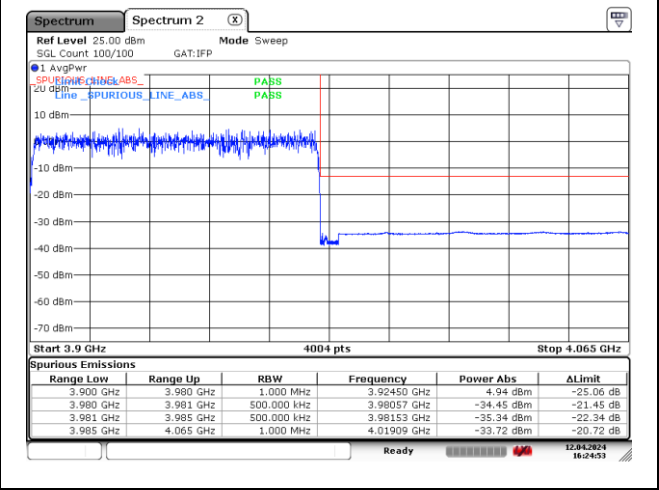
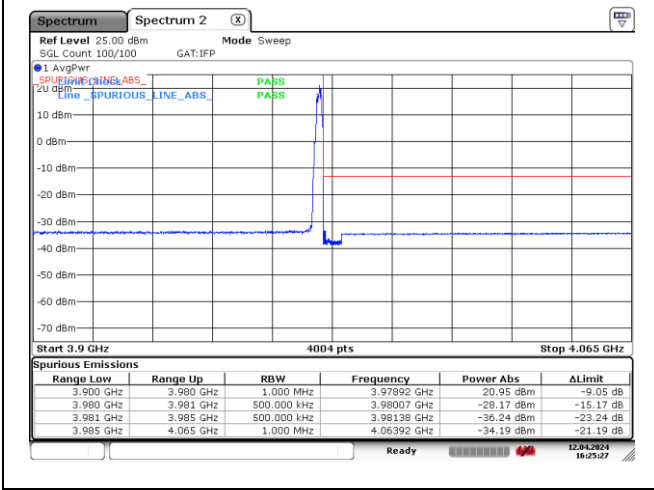
CP-OFDM QPSK - High Channel - Full RB

**NR band 77\_High Band (80 MHz)**



CP-OFDM 16QAM - Low Channel - 1 RB

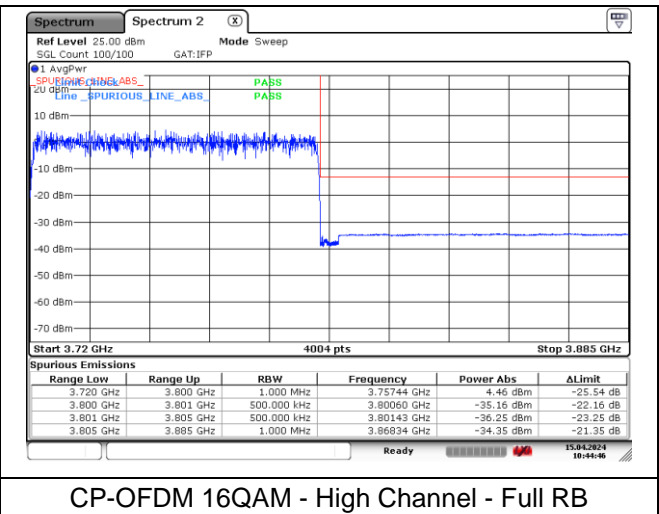
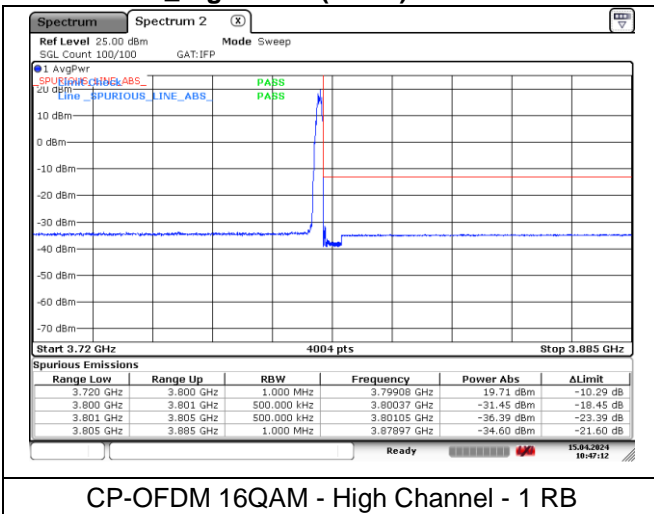
CP-OFDM 16QAM - Low Channel - Full RB



CP-OFDM 16QAM - High Channel - 1 RB

CP-OFDM 16QAM - High Channel - Full RB

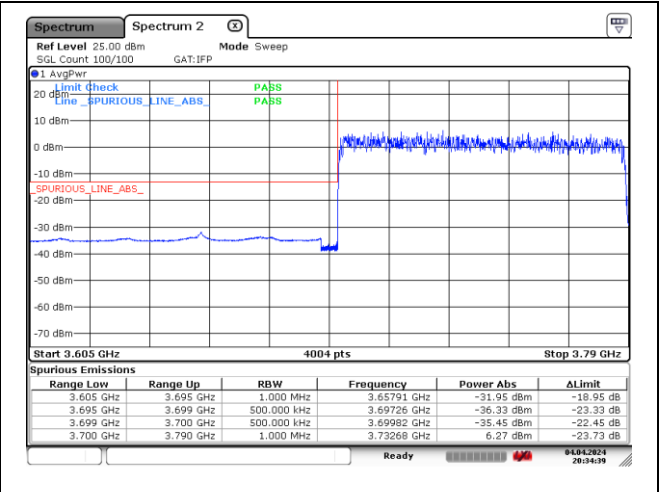
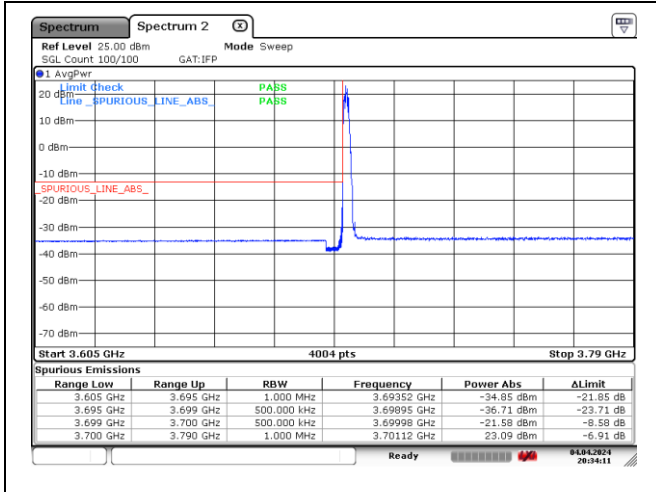
**NR band 78\_High Band (80 MHz)**



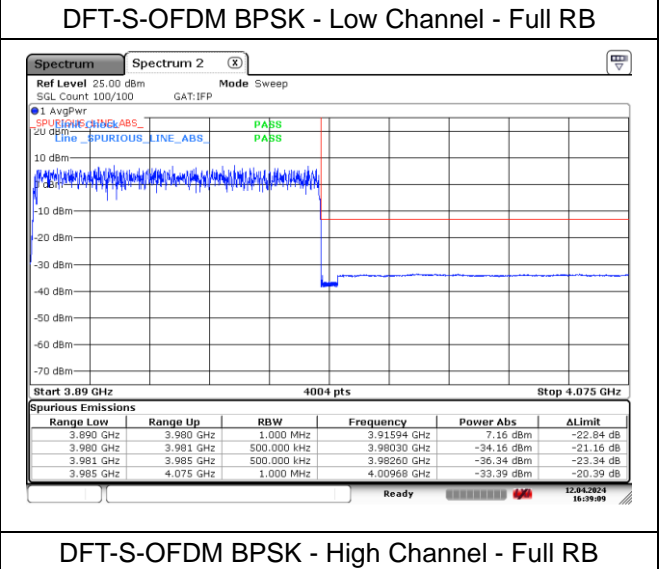
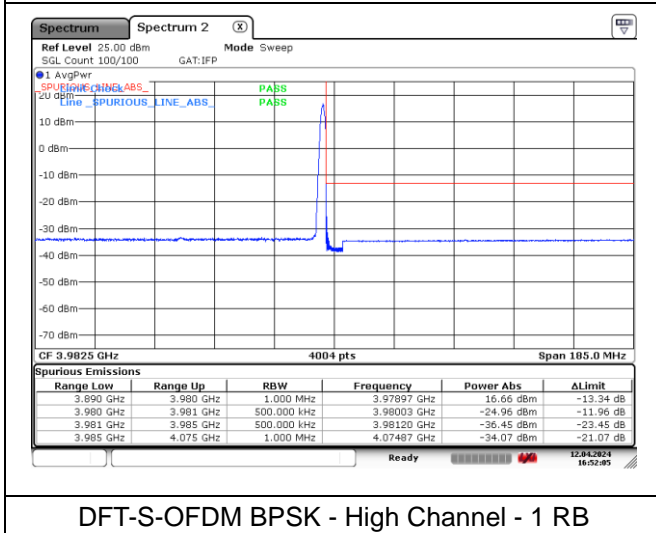
CP-OFDM 16QAM - High Channel - 1 RB

CP-OFDM 16QAM - High Channel - Full RB

**NR band 77\_High Band (90 MHz)**



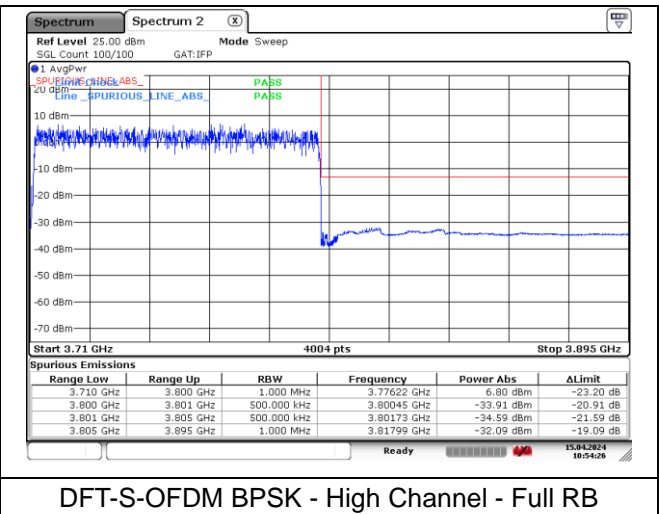
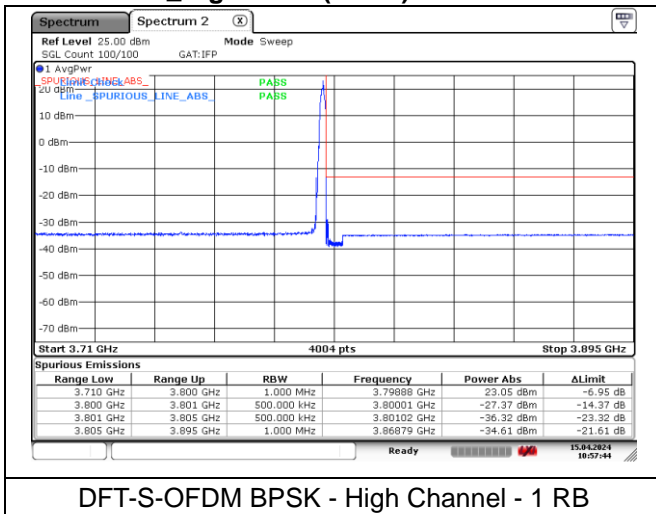
**DFT-S-OFDM BPSK - Low Channel - 1 RB**



**DFT-S-OFDM BPSK - High Channel - 1 RB**

**DFT-S-OFDM BPSK - High Channel - Full RB**

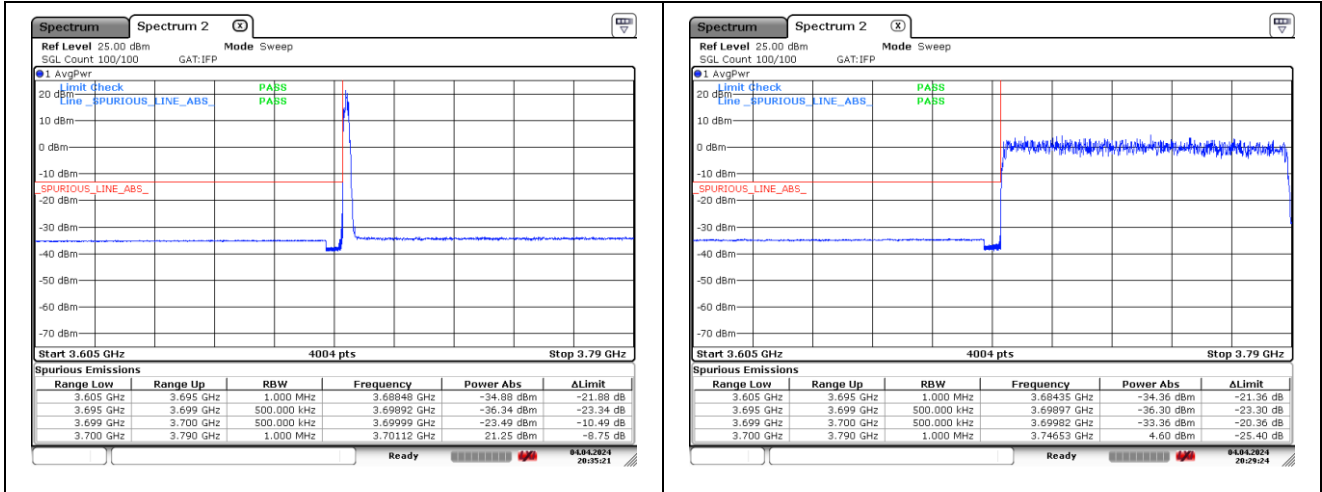
**NR band 78\_High Band (90 MHz)**



**DFT-S-OFDM BPSK - High Channel - 1 RB**

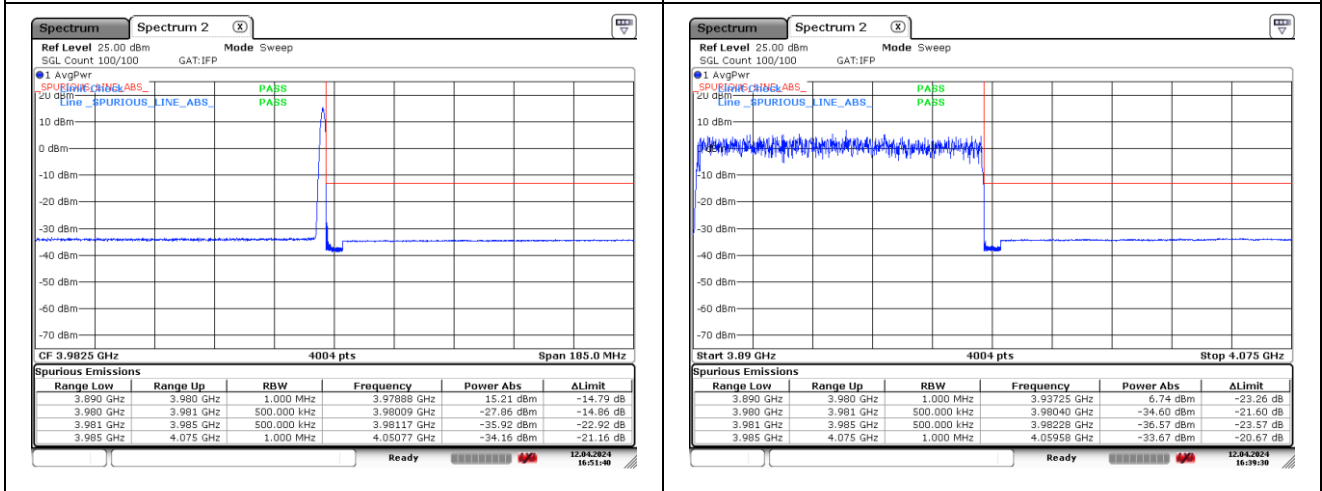
**DFT-S-OFDM BPSK - High Channel - Full RB**

**NR band 77\_High Band (90 MHz)**



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

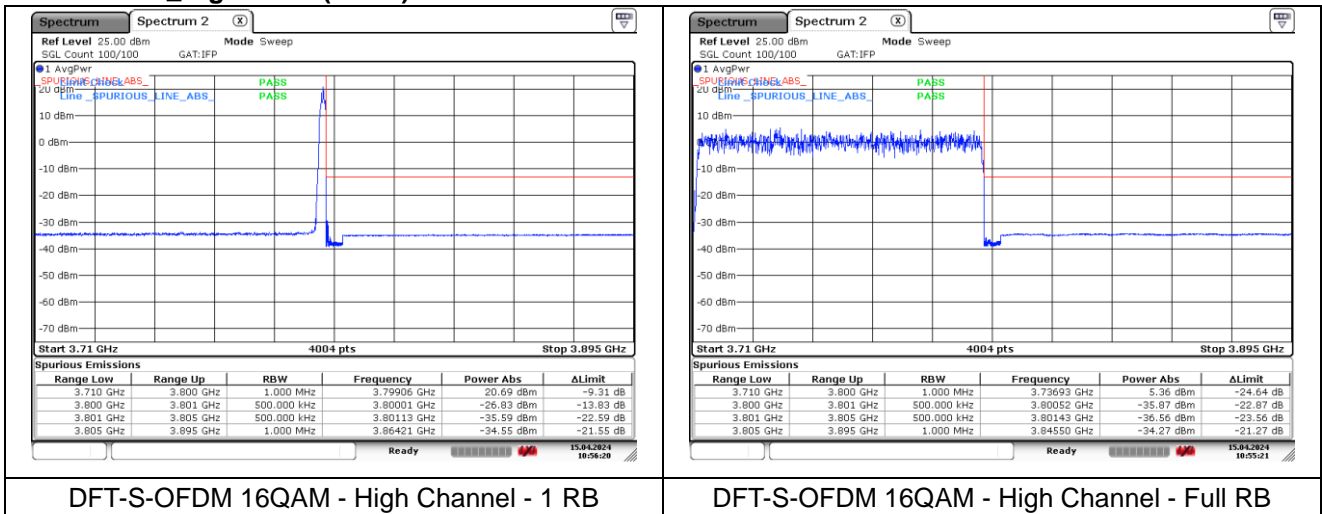
DFT-S-OFDM 16QAM - Low Channel - Full RB



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

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

**NR band 78\_High Band (90 MHz)**

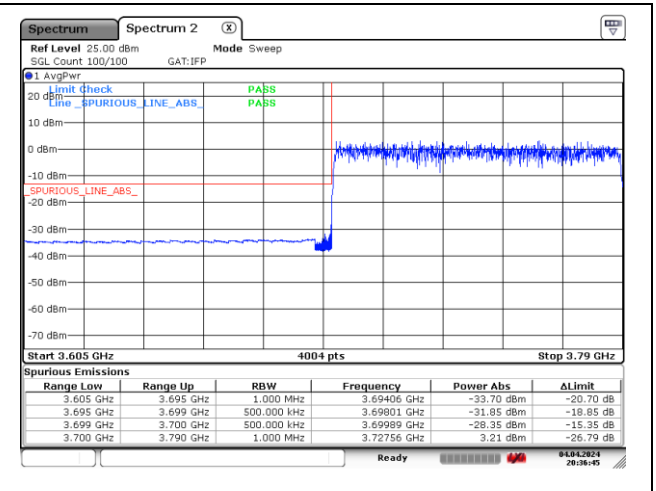
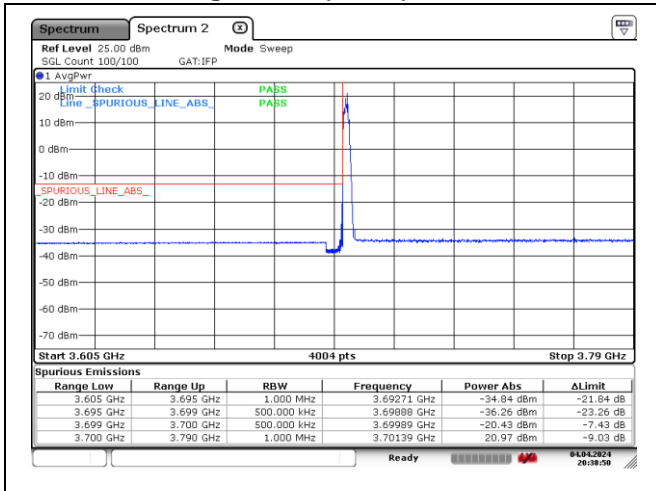


DFT-S-OFDM 16QAM - High Channel - 1 RB

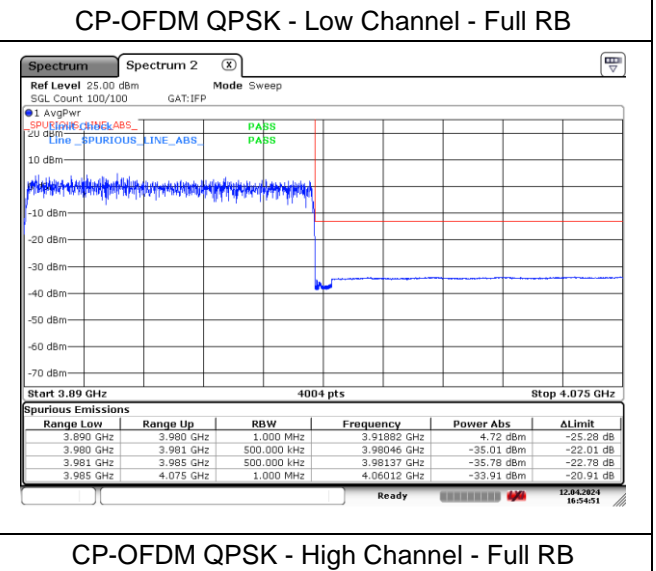
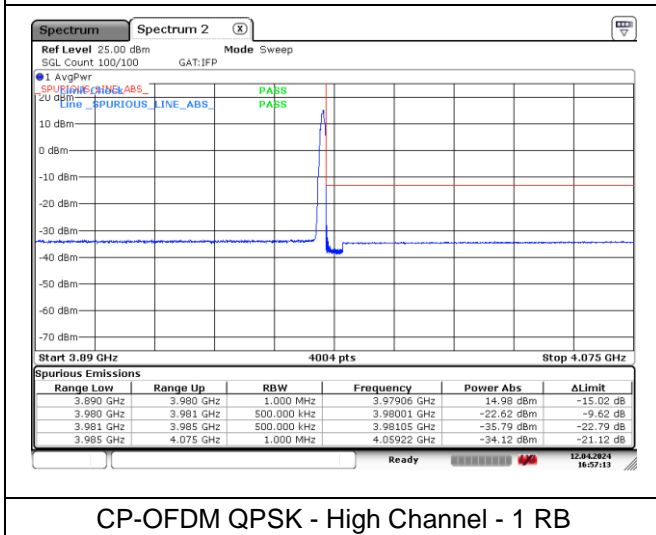
DFT-S-OFDM 16QAM - High Channel - Full RB



**NR band 77\_High Band (90 MHz)**



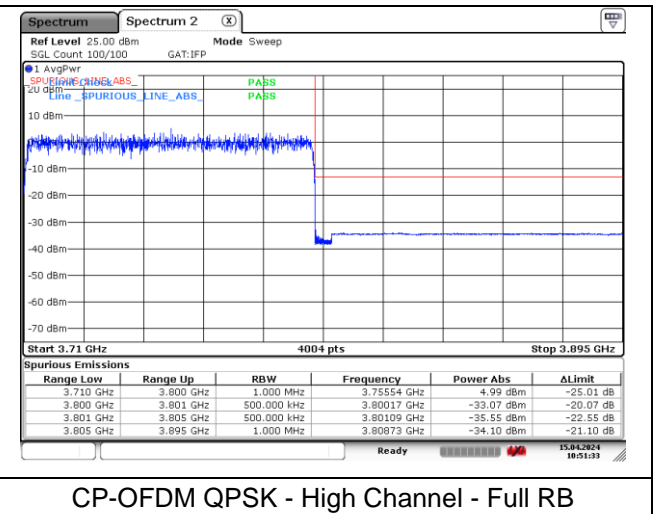
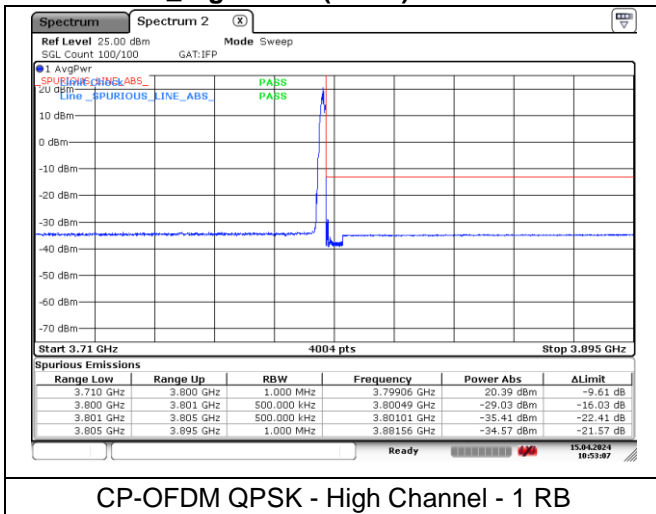
**CP-OFDM QPSK - Low Channel - 1 RB**



**CP-OFDM QPSK - High Channel - 1 RB**

**CP-OFDM QPSK - High Channel - Full RB**

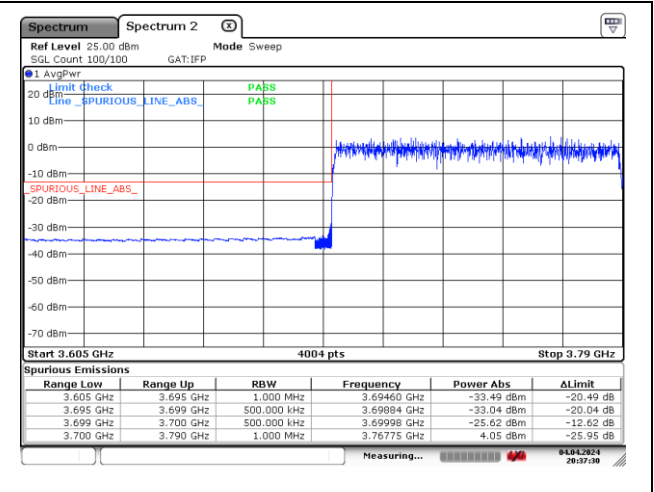
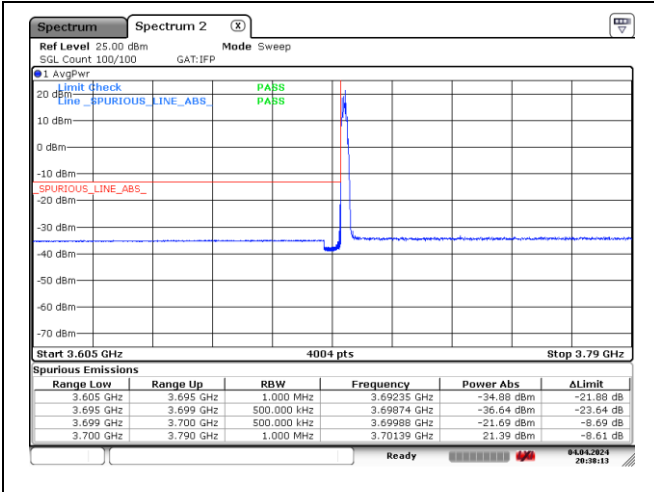
**NR band 78\_High Band (90 MHz)**



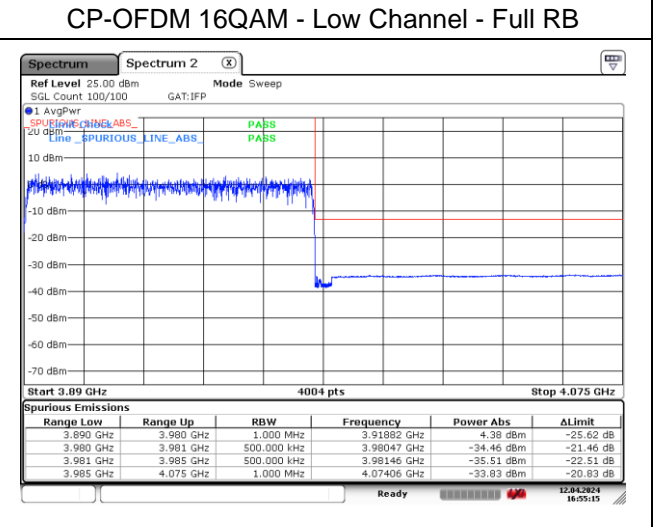
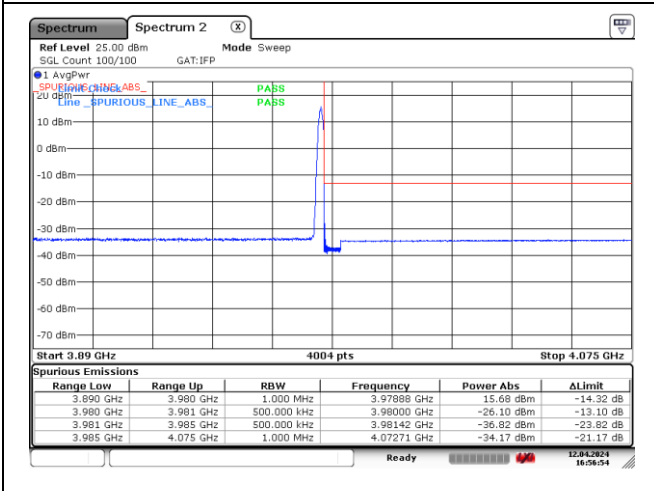
**CP-OFDM QPSK - High Channel - 1 RB**

**CP-OFDM QPSK - High Channel - Full RB**

**NR band 77\_High Band (90 MHz)**



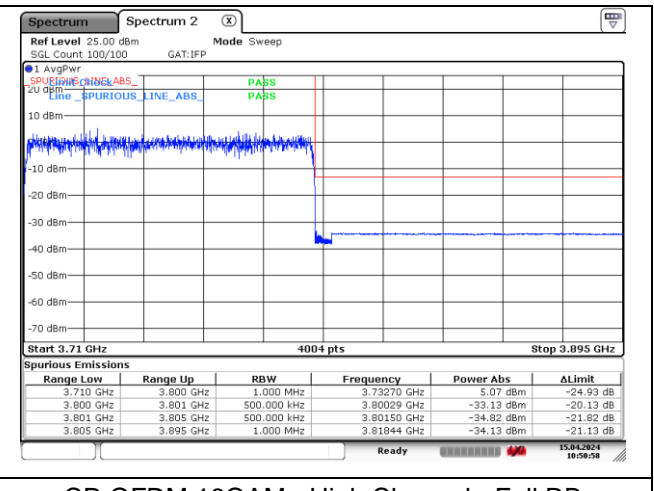
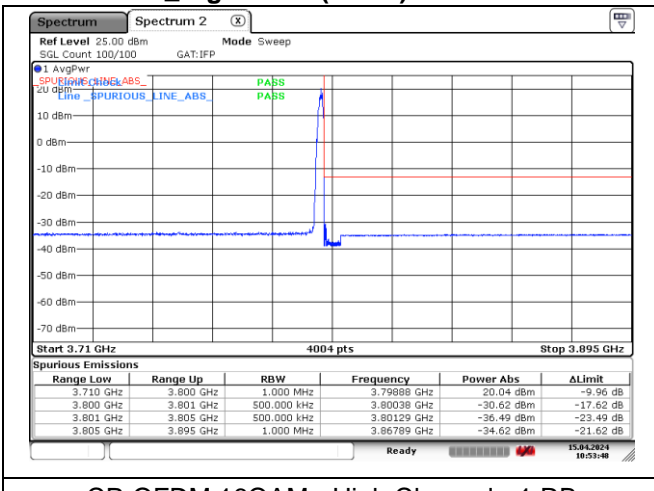
**CP-OFDM 16QAM - Low Channel - 1 RB**



**CP-OFDM 16QAM - High Channel - 1 RB**

**CP-OFDM 16QAM - High Channel - Full RB**

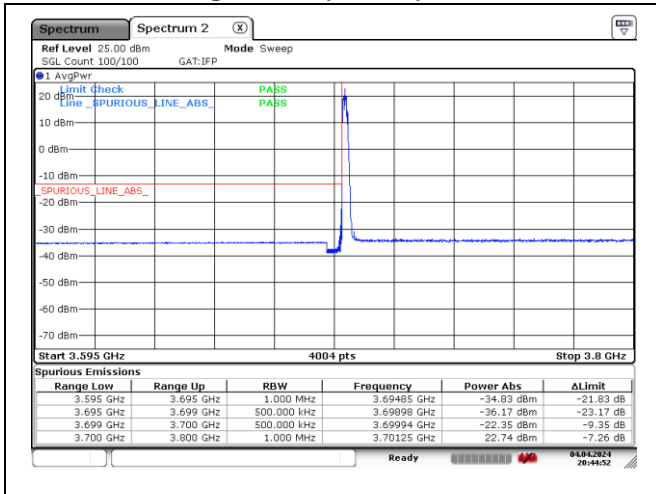
**NR band 78\_High Band (90 MHz)**



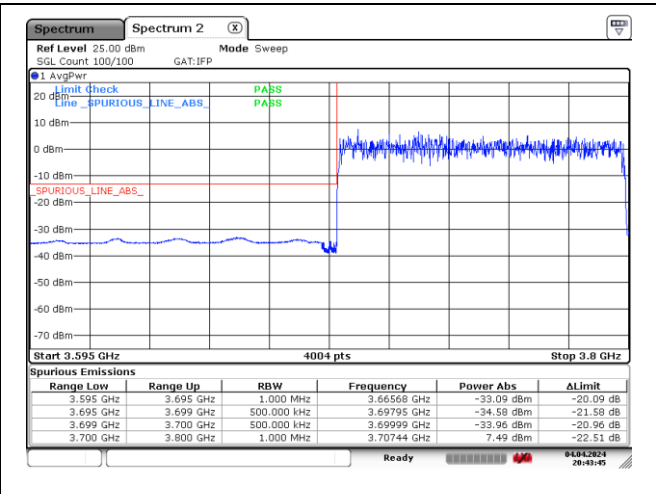
**CP-OFDM 16QAM - High Channel - 1 RB**

**CP-OFDM 16QAM - High Channel - Full RB**

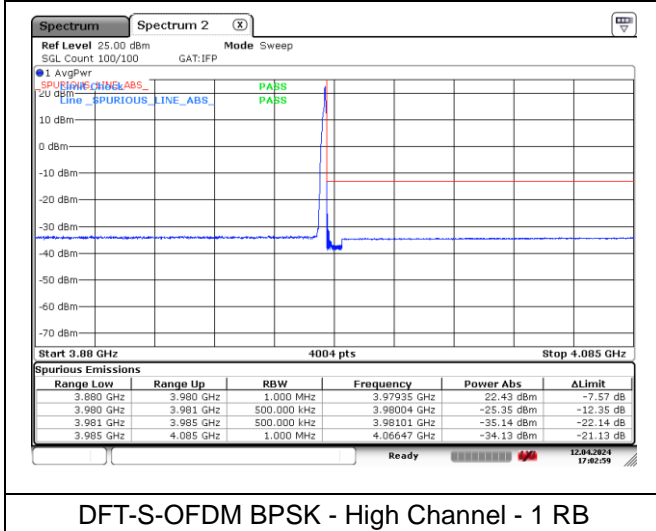
**NR band 77\_High Band (100 MHz)**



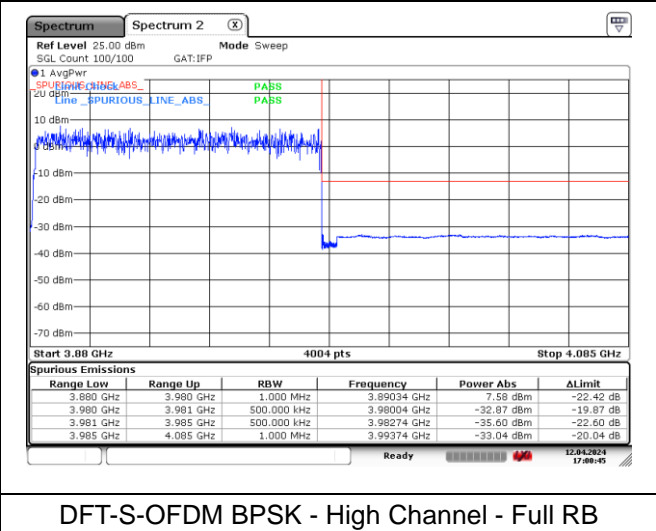
DFT-S-OFDM BPSK - Low Channel - 1 RB



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

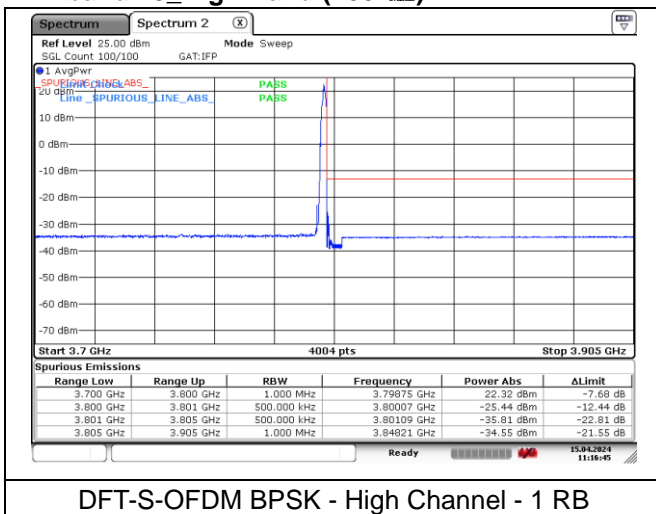


DFT-S-OFDM BPSK - High Channel - 1 RB

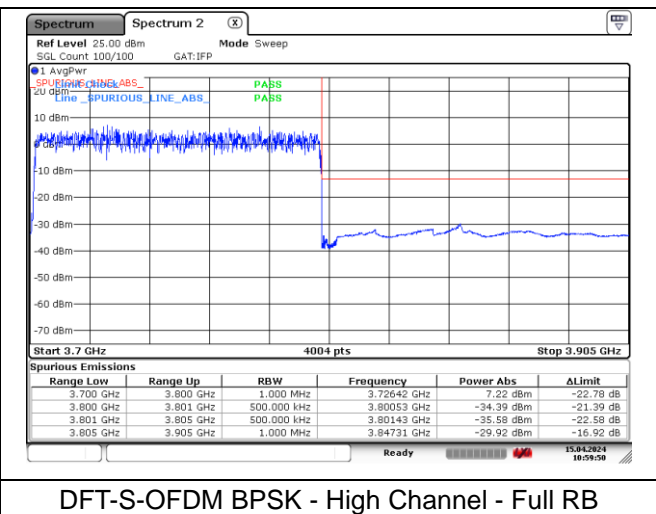


DFT-S-OFDM BPSK - High Channel - Full RB

**NR band 78\_High Band (100 MHz)**

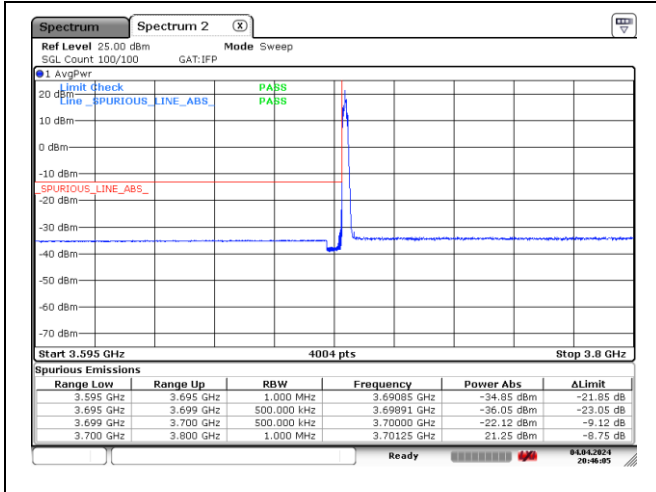


DFT-S-OFDM BPSK - High Channel - 1 RB

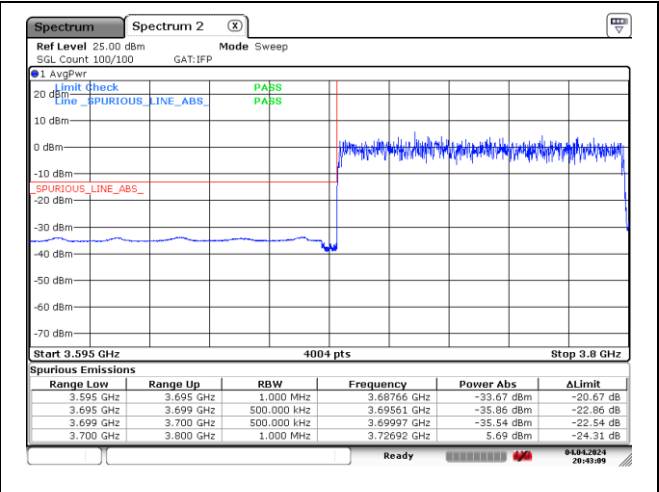


DFT-S-OFDM BPSK - High Channel - Full RB

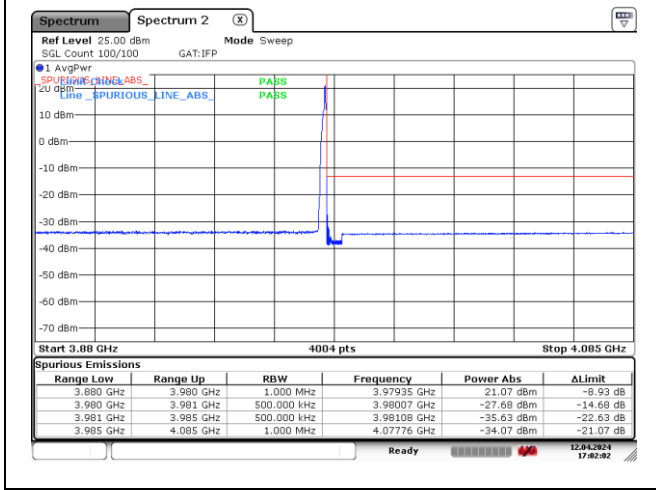
**NR band 77\_High Band (100 MHz)**



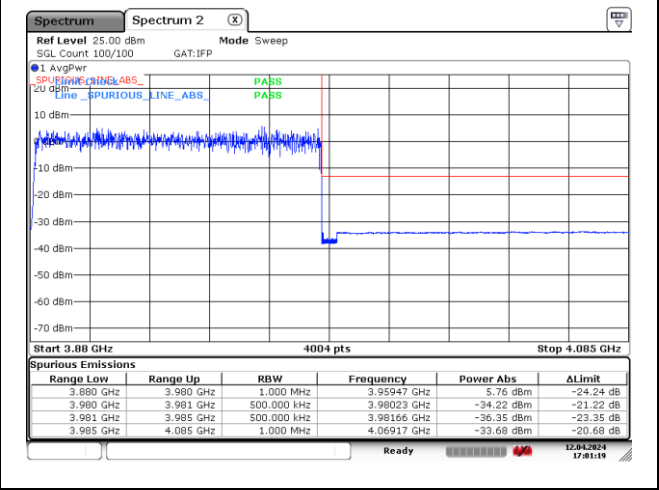
DFT-S-OFDM 16QAM - Low Channel - 1 RB



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

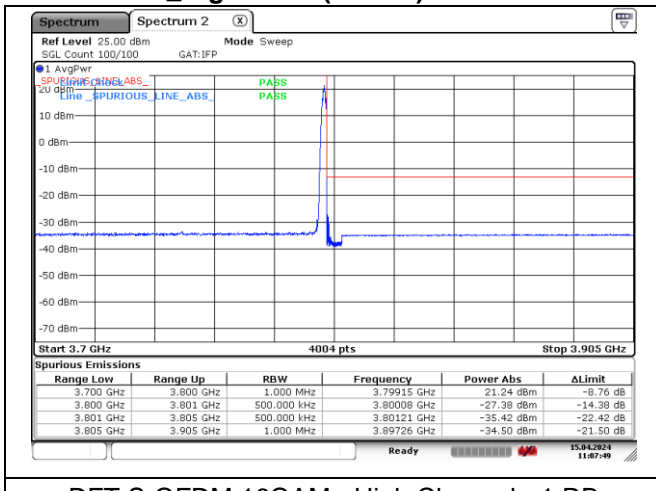


DFT-S-OFDM 16QAM - High Channel - 1 RB

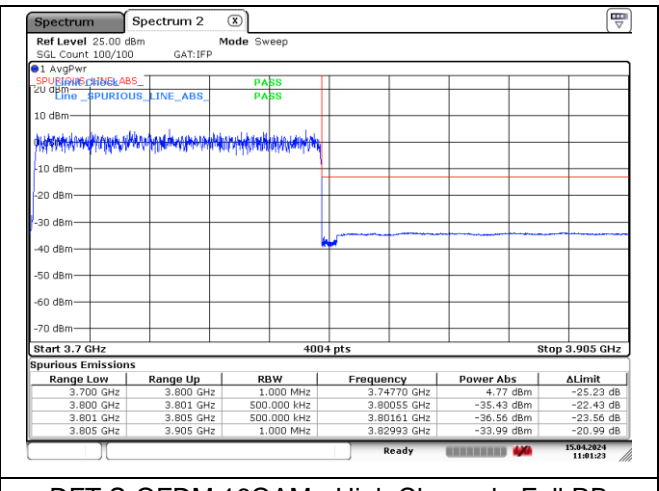


DFT-S-OFDM 16QAM - High Channel - Full RB

**NR band 78\_High Band (100 MHz)**

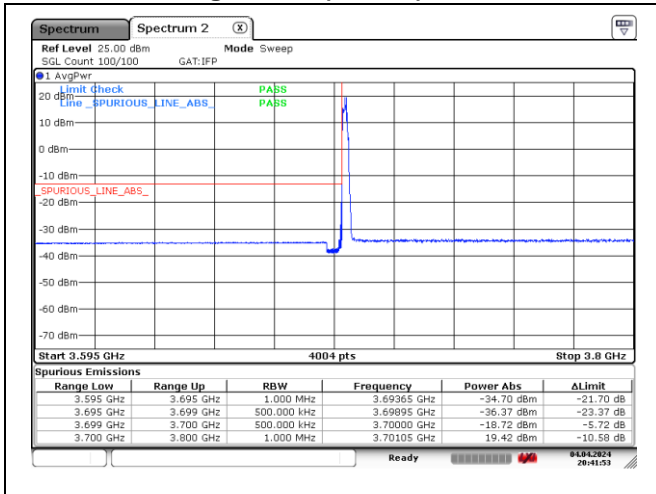


DFT-S-OFDM 16QAM - High Channel - 1 RB

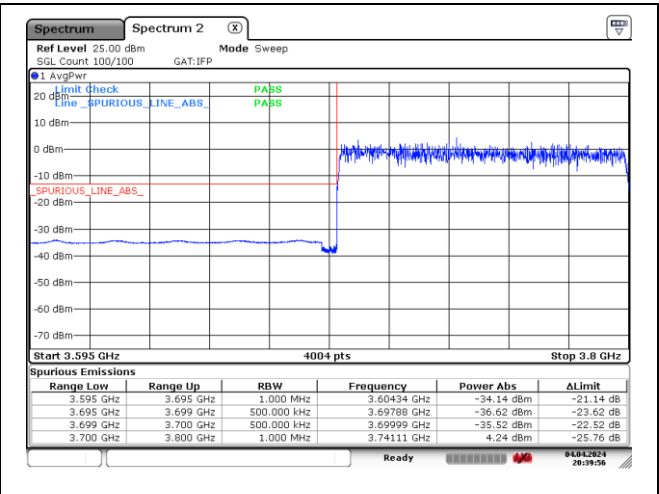


DFT-S-OFDM 16QAM - High Channel - Full RB

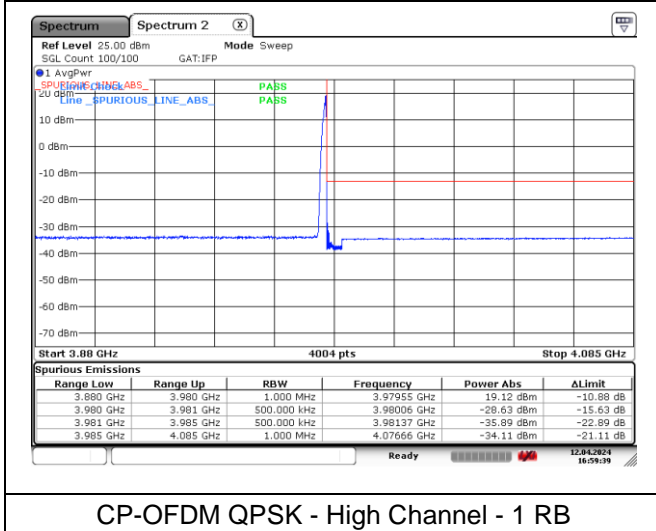
**NR band 77\_High Band (100 MHz)**



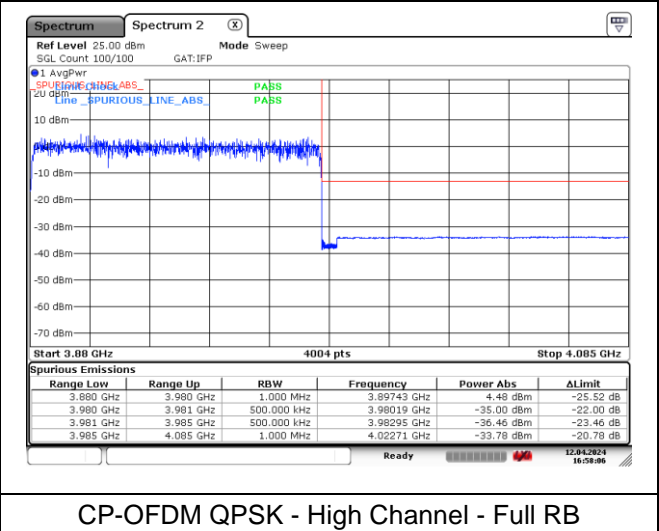
CP-OFDM QPSK - Low Channel - 1 RB



CP-OFDM QPSK - Low Channel - Full RB

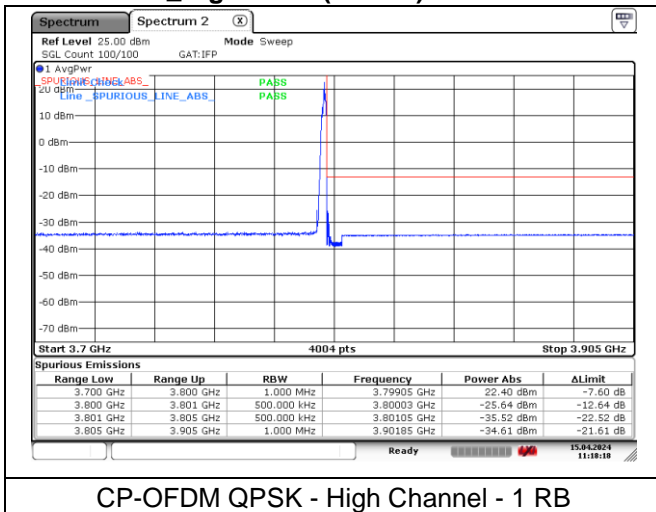


CP-OFDM QPSK - High Channel - 1 RB

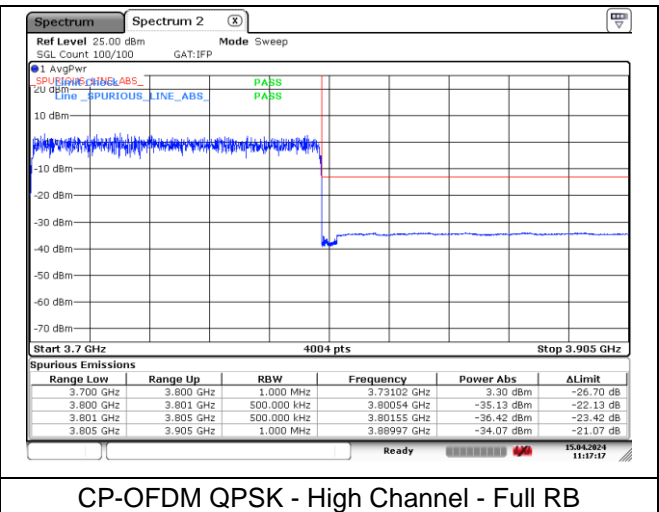


CP-OFDM QPSK - High Channel - Full RB

**NR band 78\_High Band (100 MHz)**

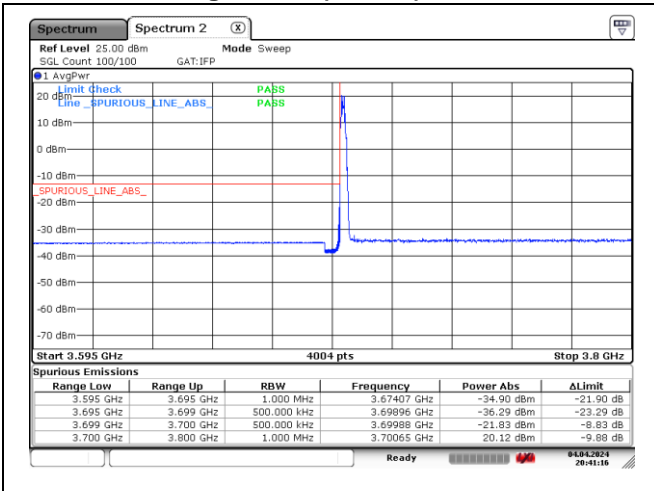


CP-OFDM QPSK - High Channel - 1 RB

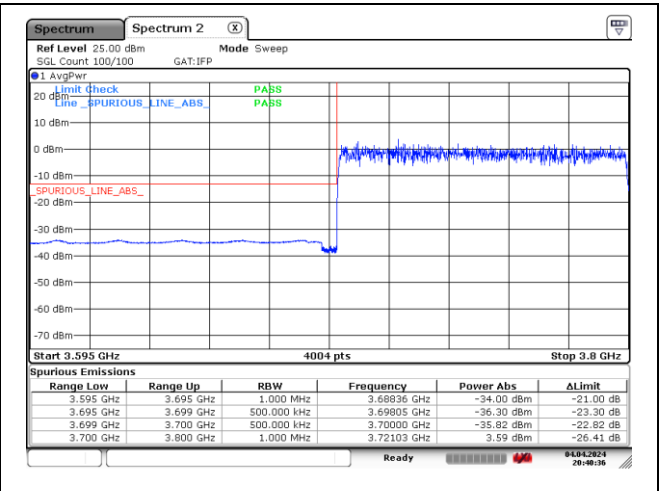


CP-OFDM QPSK - High Channel - Full RB

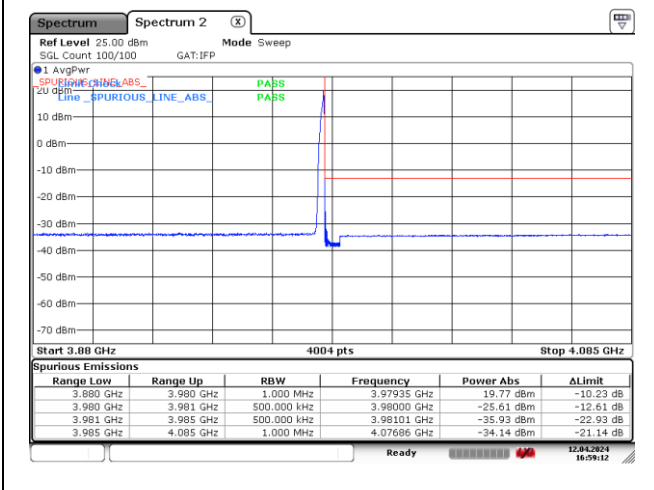
**NR band 77\_High Band (100 MHz)**



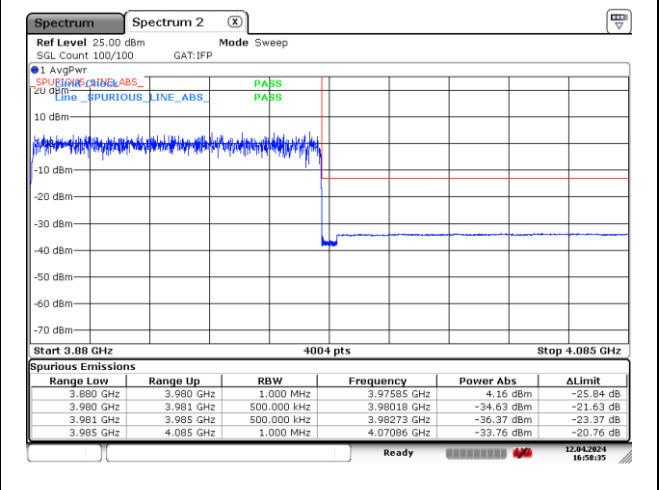
CP-OFDM 16QAM - Low Channel - 1 RB



CP-OFDM 16QAM - Low Channel - Full RB

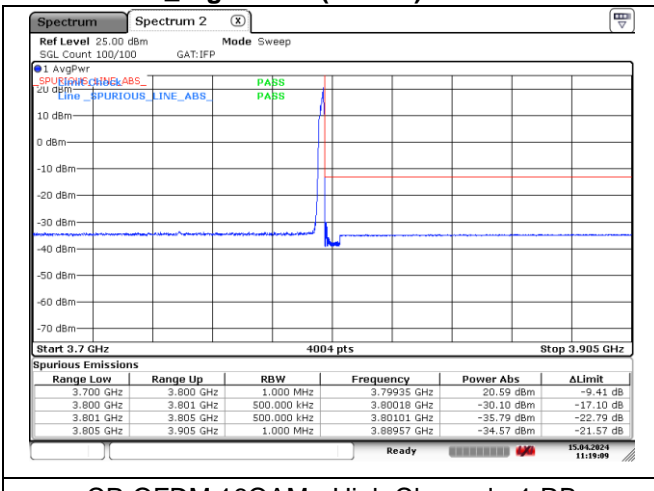


CP-OFDM 16QAM - High Channel - 1 RB

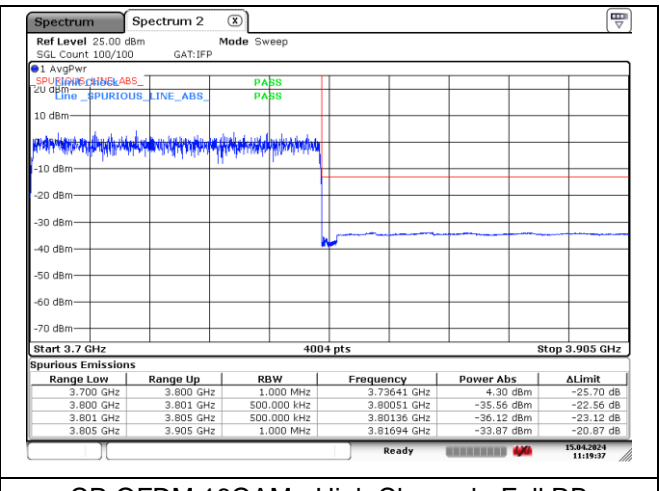


CP-OFDM 16QAM - High Channel - Full RB

**NR band 78\_High Band (100 MHz)**



CP-OFDM 16QAM - High Channel - 1 RB



CP-OFDM 16QAM - High Channel - Full RB

## 8. Frequency Stability

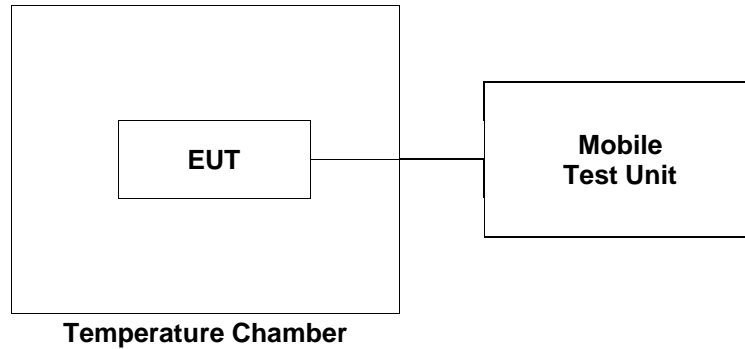
### 8.1. Limit

- § 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 38 at middle channel

Reference Frequency: 2 595.0 MHz			
Frequency Stability versus Temperature			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
50	4.0	4.50	-0.000 27
40		8.70	0.001 35
30		-3.50	-0.003 35
20(Ref.)		5.20	-
10		7.30	0.000 81
0		3.20	-0.000 77
-10		2.80	-0.000 92
-20		3.30	-0.000 73
-30		5.50	0.000 12
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.40 (85%)	3.20	-0.000 77
	4.60 (115%)	5.30	0.000 04

**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	4.00	8.26	0.000 74
40		11.33	0.001 92
30		13.82	0.002 88
20(Ref.)		6.34	-
10		9.23	0.001 11
0		10.97	0.001 79
-10		10.00	0.001 41
-20		9.82	0.001 34
-30		8.22	0.000 73
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.40 (85%)	9.60	0.001 26
	4.60 (115%)	10.98	0.001 79

**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	4.00	8.53	0.001 62
40		7.83	0.001 42
30		14.01	0.003 19
20(Ref.)		2.86	-
10		9.61	0.001 93
0		7.43	0.001 31
-10		7.98	0.001 46
-20		10.87	0.002 29
-30		6.20	0.000 95
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.40 (85%)	7.54	0.001 34
	4.60 (115%)	10.33	0.002 13

**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	4.00	5.80	0.000 92
40		7.86	0.001 46
30		12.97	0.002 79
20(Ref.)		2.25	-
10		8.59	0.001 65
0		5.01	0.000 72
-10		8.23	0.001 56
-20		9.94	0.002 00
-30		3.11	0.000 22
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.40 (85%)	4.57	0.000 60
	4.60 (115%)	8.03	0.001 51

**- End of the Test Report -**