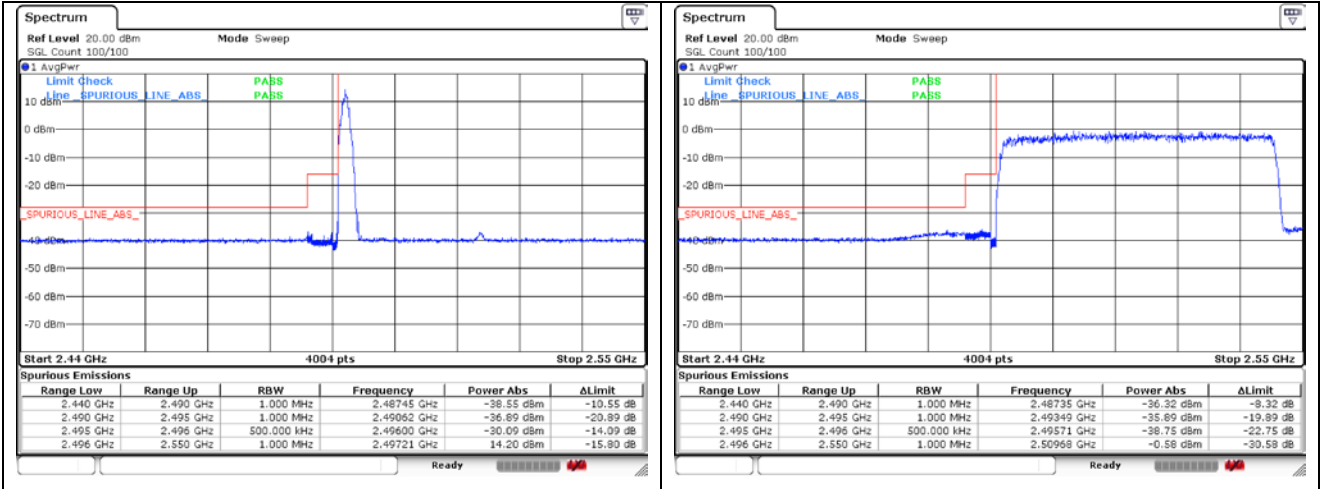
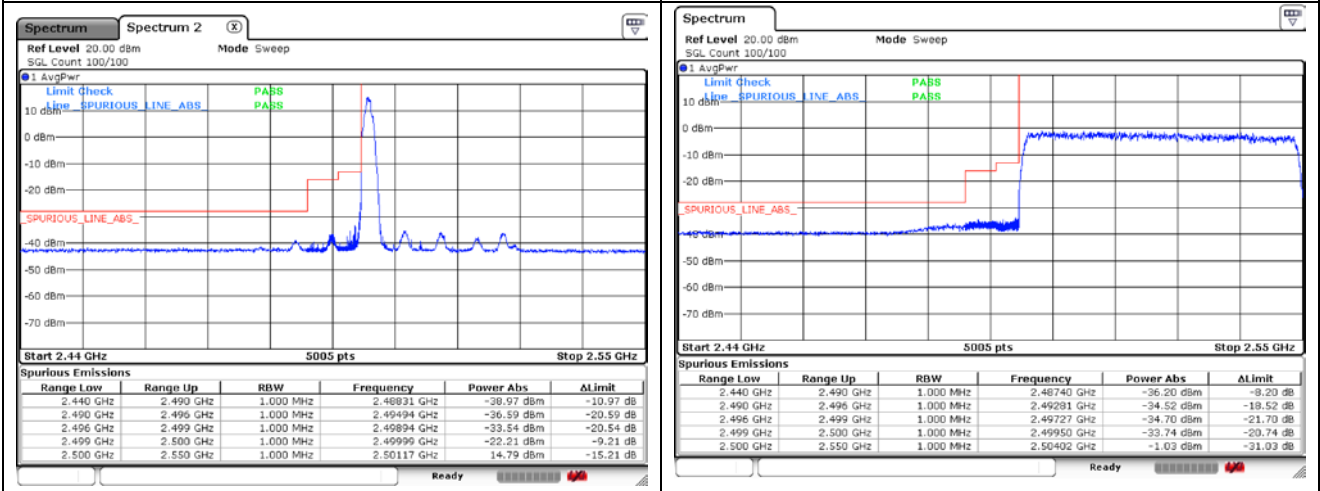


NR band 41 (50 MHz)



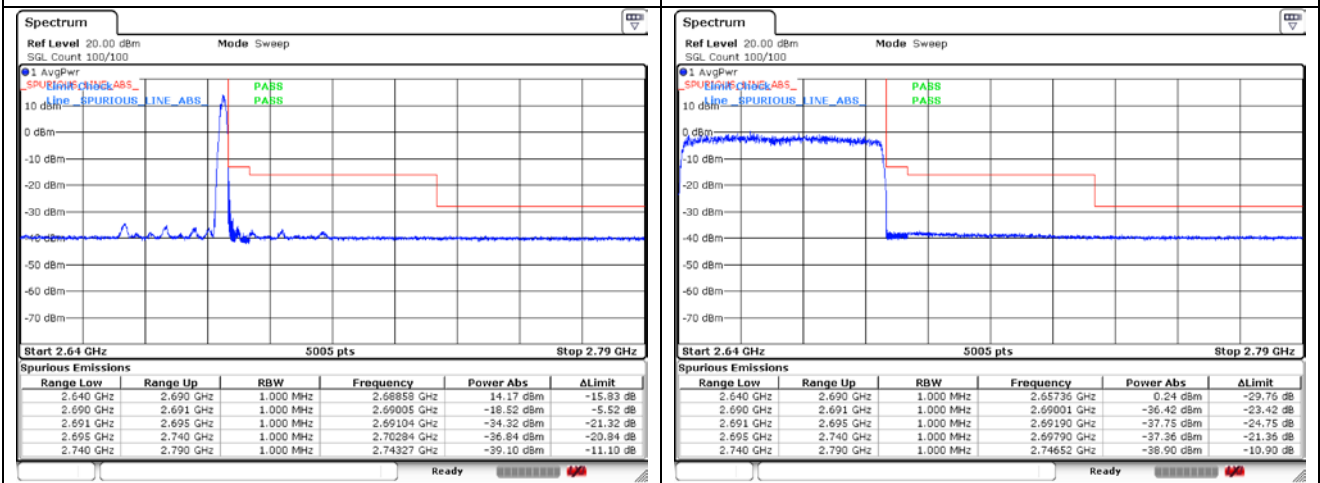
CP-OFDM QPSK - FCC Low Channel - 1 RB

CP-OFDM QPSK - FCC Low Channel - Full RB



CP-OFDM QPSK - IC Low Channel - 1 RB

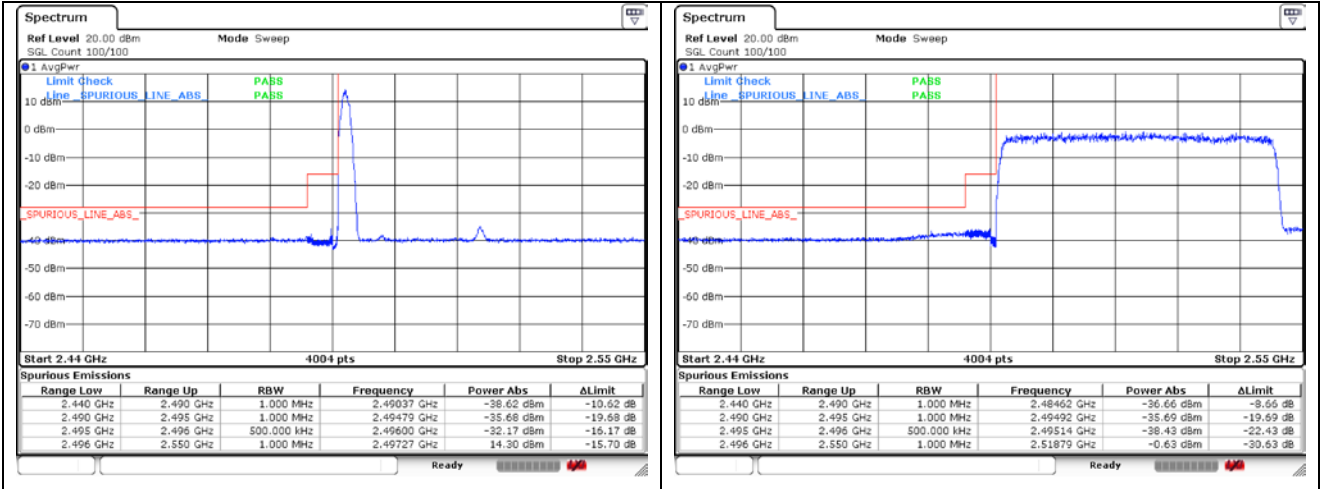
CP-OFDM QPSK - IC Low Channel - Full RB



CP-OFDM QPSK - High Channel - 1 RB

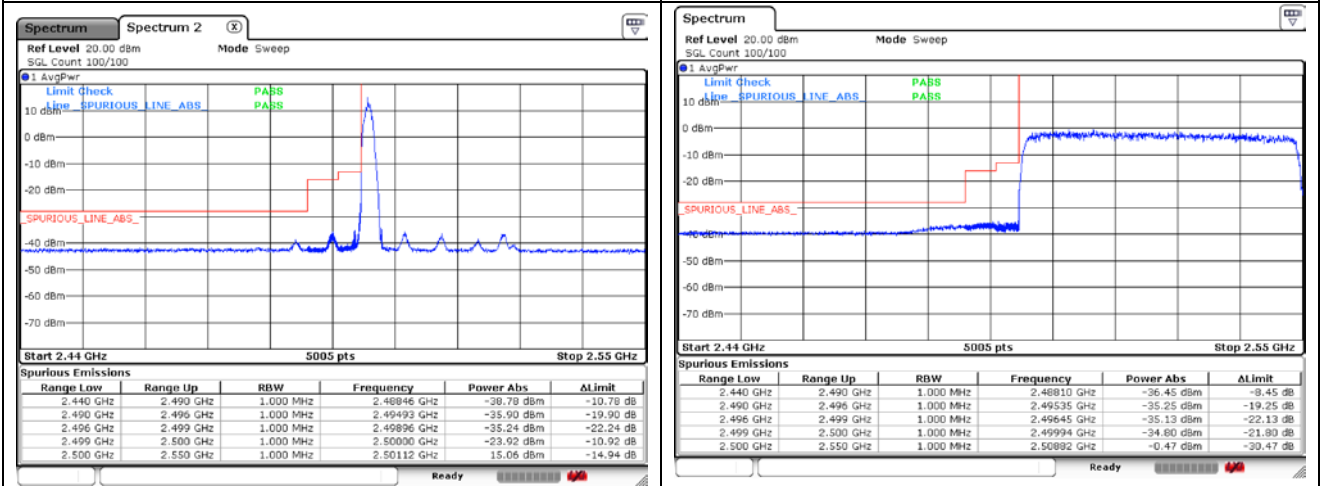
CP-OFDM QPSK - High Channel - Full RB

NR band 41 (50 MHz)



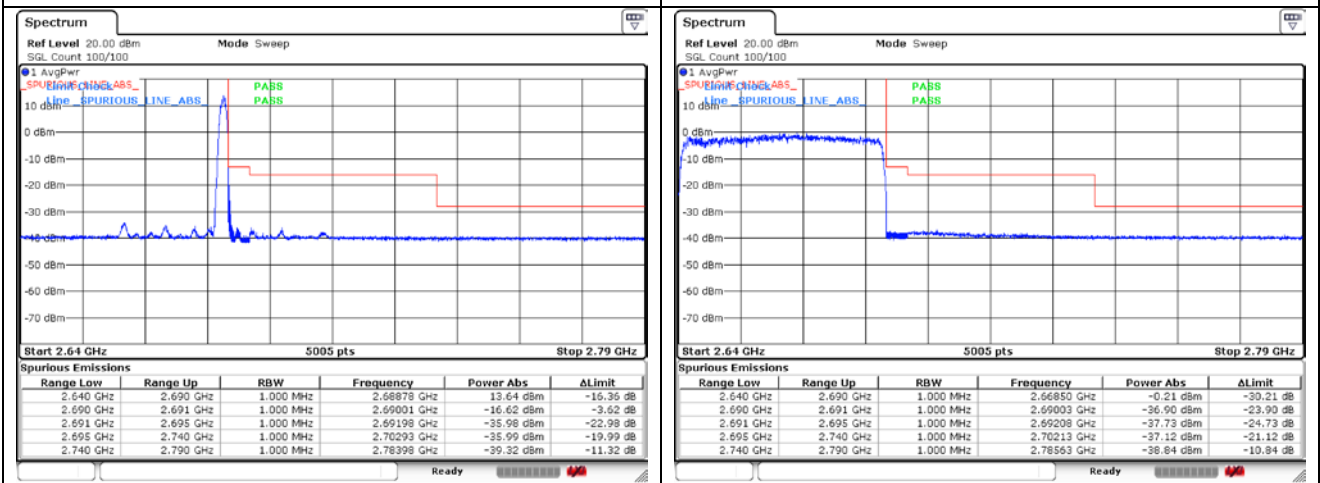
CP-OFDM 16QAM - FCC Low Channel - 1 RB

CP-OFDM 16QAM - FCC Low Channel - Full RB



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

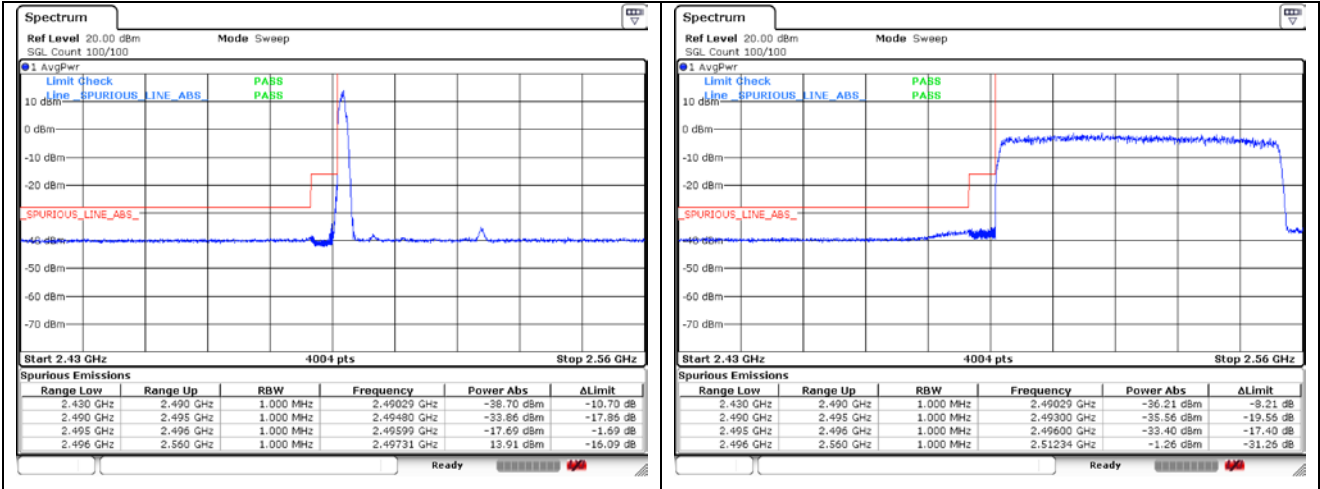
CP-OFDM 16QAM - IC Low Channel - Full RB



CP-OFDM 16QAM - High Channel - 1 RB

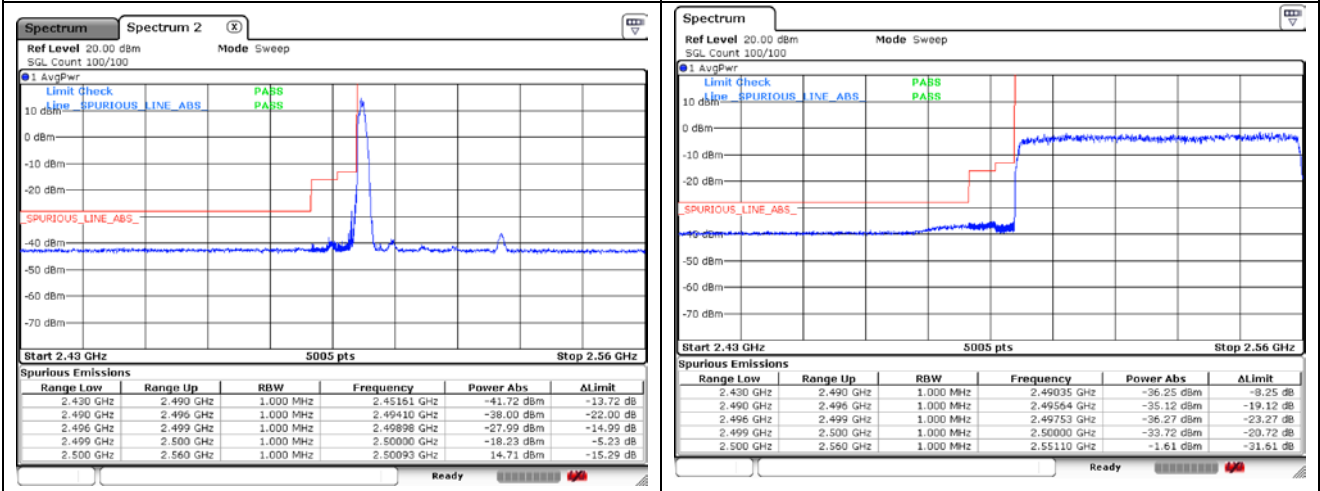
CP-OFDM 16QAM - High Channel - Full RB

NR band 41 (60 MHz)



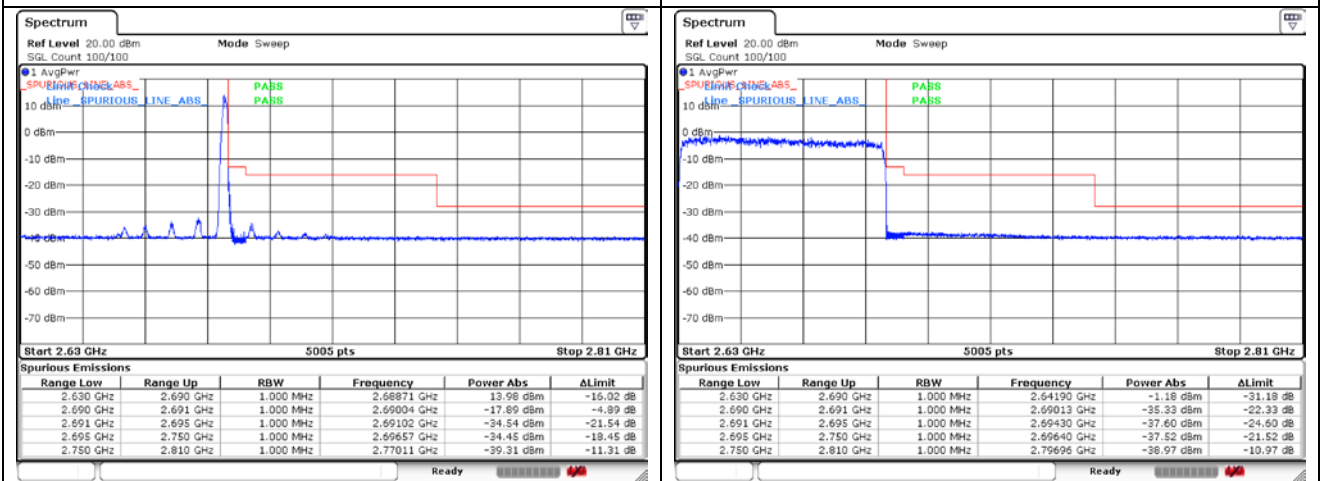
CP-OFDM QPSK - FCC Low Channel - 1 RB

CP-OFDM QPSK - FCC Low Channel - Full RB



CP-OFDM QPSK - IC Low Channel - 1 RB

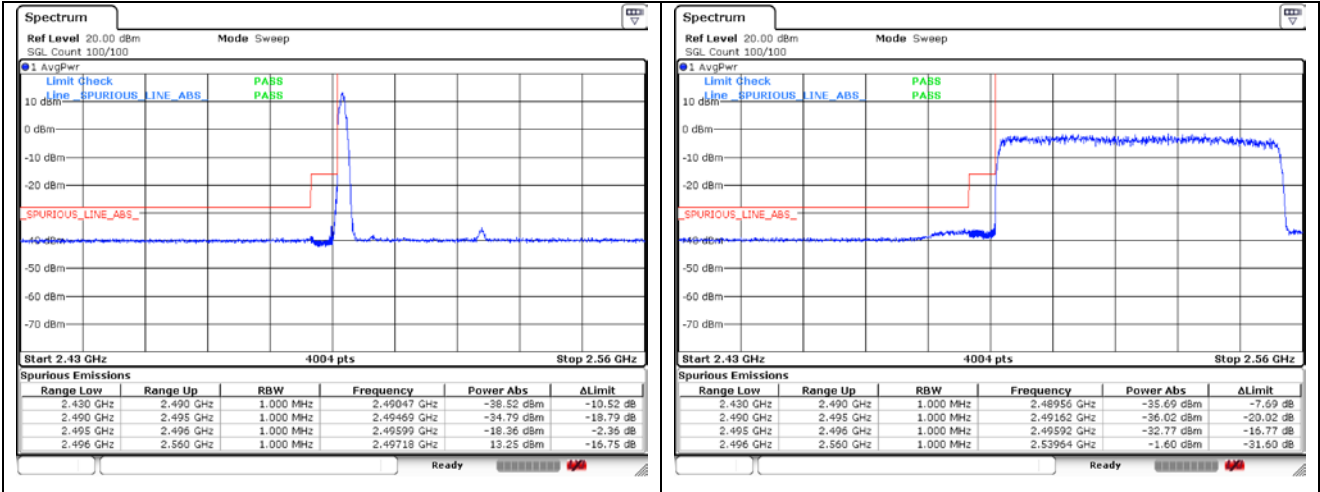
CP-OFDM QPSK - IC Low Channel - Full RB



CP-OFDM QPSK - High Channel - 1 RB

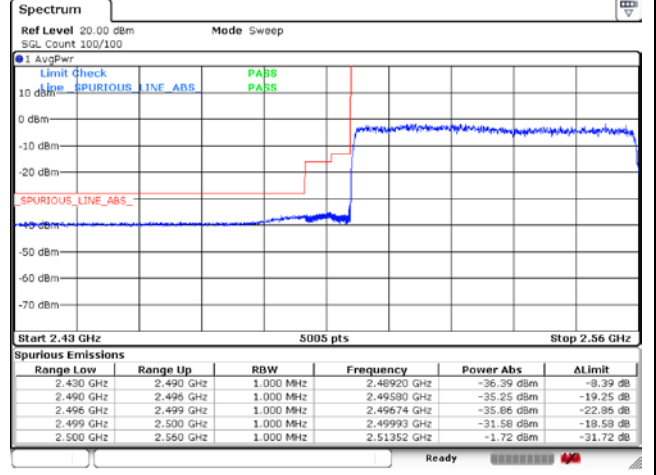
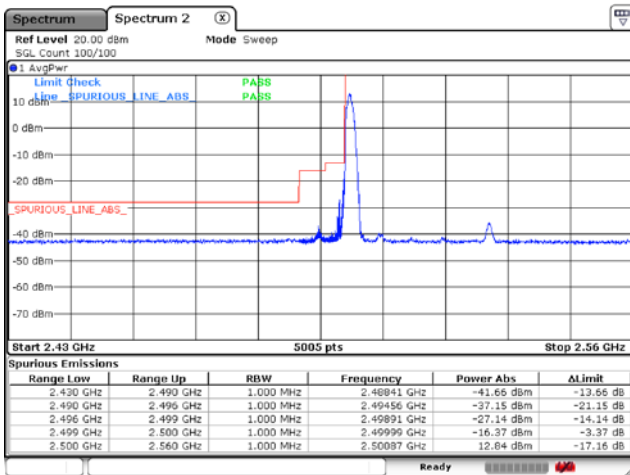
CP-OFDM QPSK - High Channel - Full RB

NR band 41 (60 MHz)



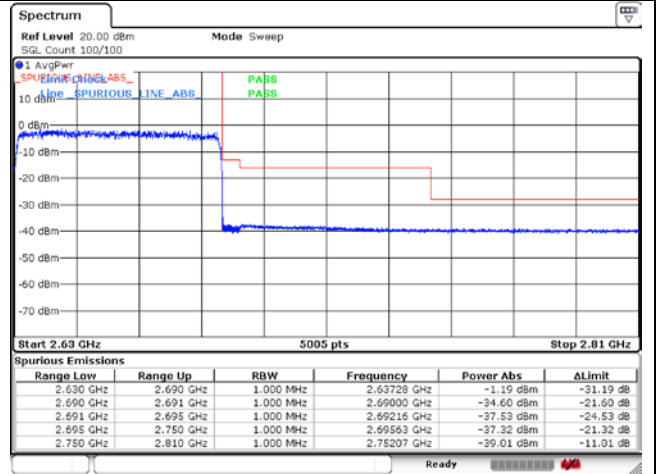
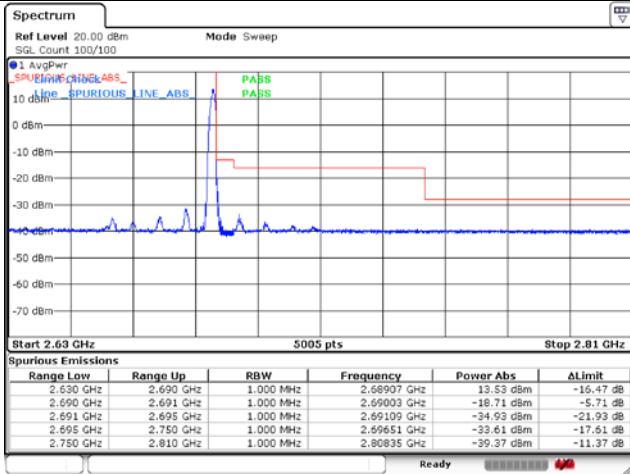
CP-OFDM 16QAM - FCC Low Channel - 1 RB

CP-OFDM 16QAM - FCC Low Channel - Full RB



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

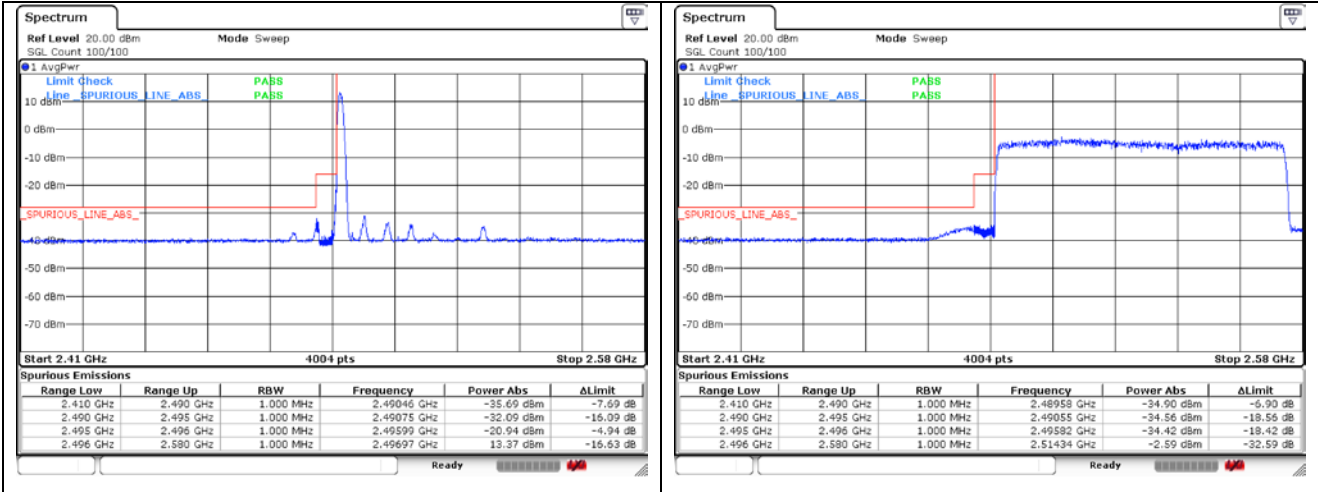
CP-OFDM 16QAM - IC Low Channel - Full RB



CP-OFDM 16QAM - High Channel - 1 RB

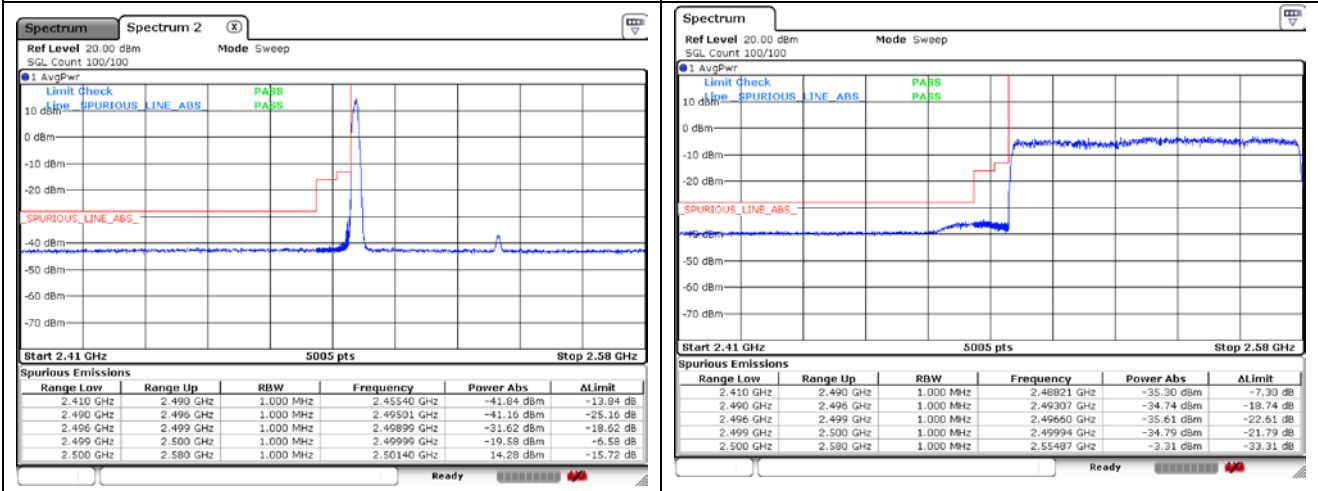
CP-OFDM 16QAM - High Channel - Full RB

NR band 41 (80 MHz)



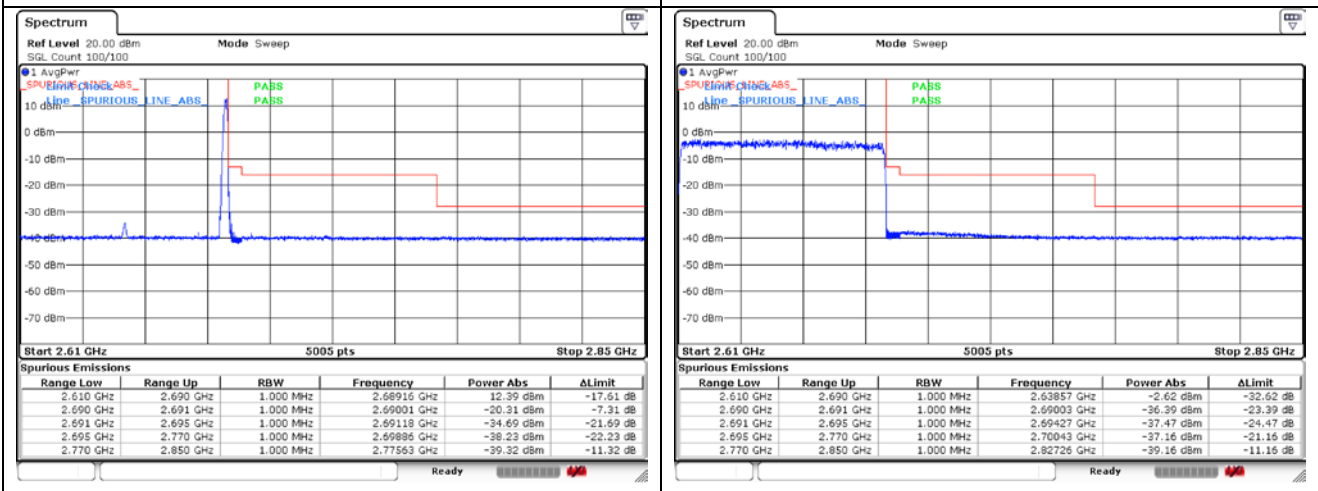
CP-OFDM QPSK - FCC Low Channel - 1 RB

CP-OFDM QPSK - FCC Low Channel - Full RB



CP-OFDM QPSK - IC Low Channel - 1 RB

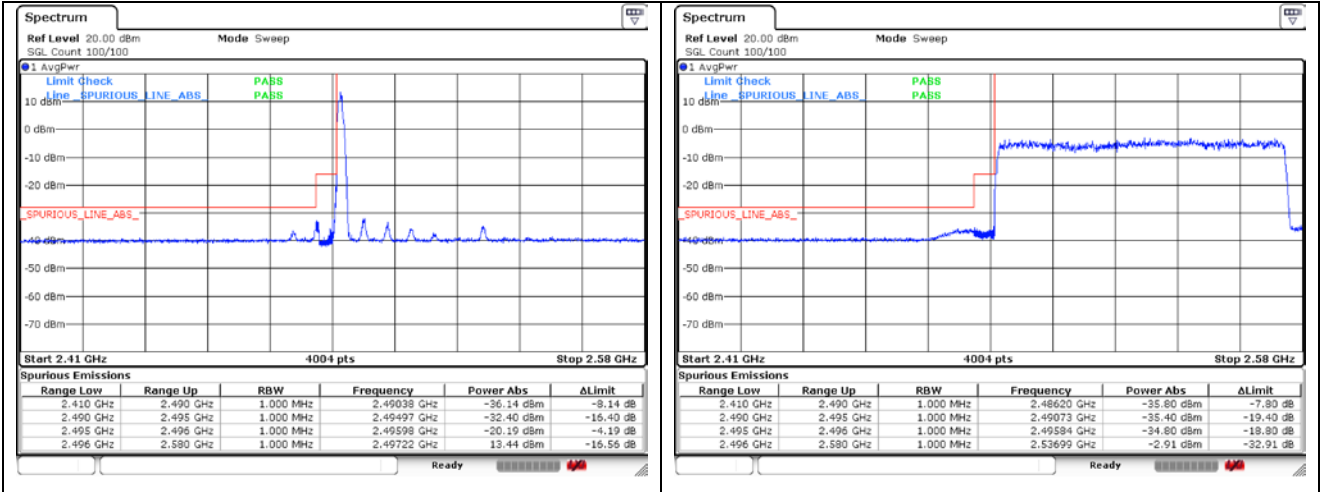
CP-OFDM QPSK - IC Low Channel - Full RB



CP-OFDM QPSK - High Channel - 1 RB

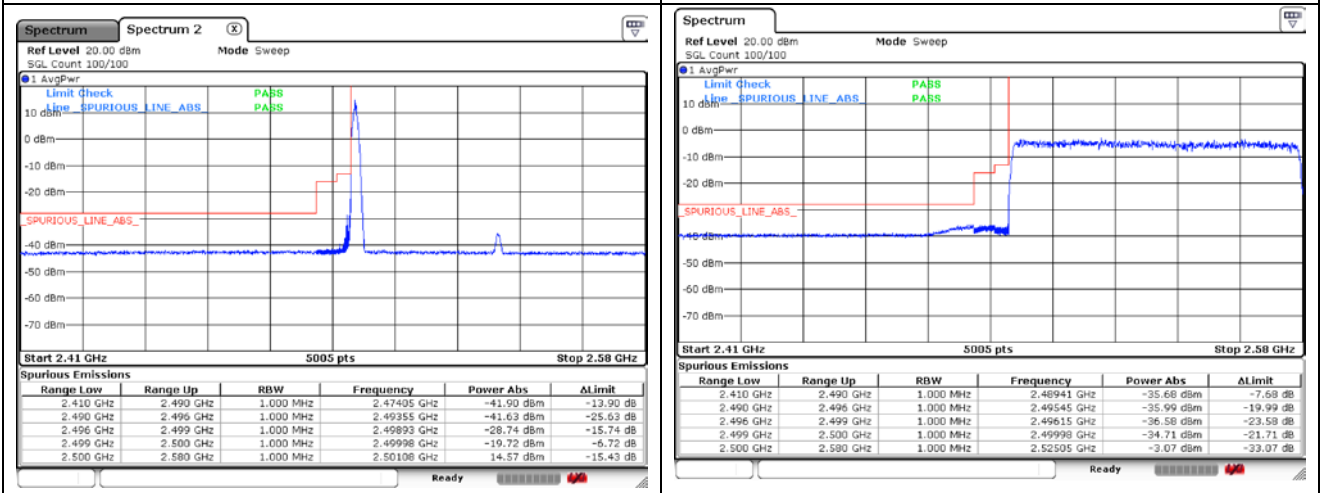
CP-OFDM QPSK - High Channel - Full RB

NR band 41 (80 MHz)



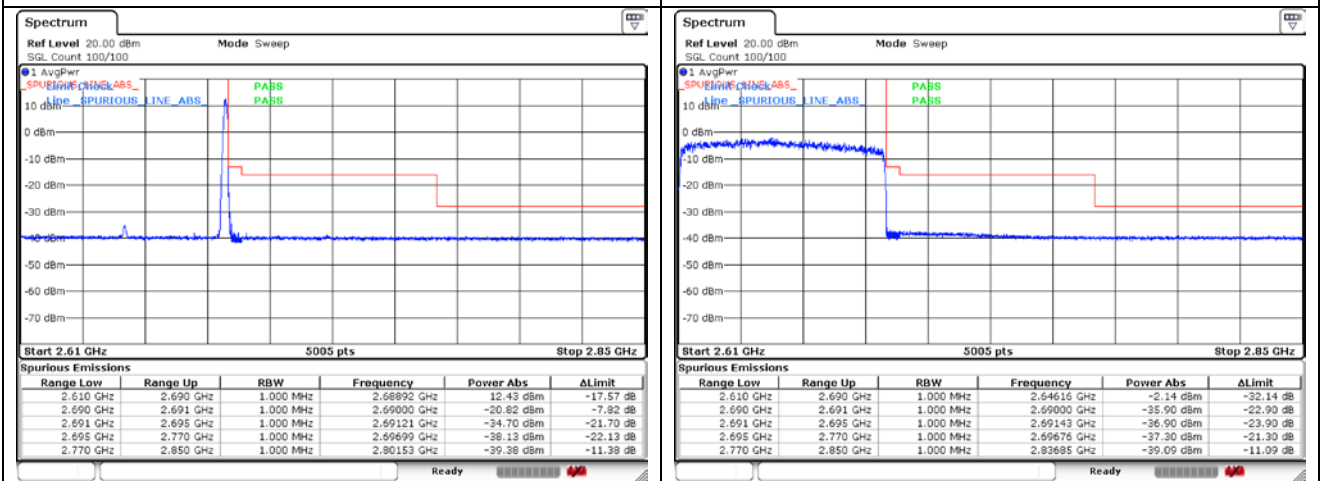
CP-OFDM 16QAM - FCC Low Channel - 1 RB

CP-OFDM 16QAM - FCC Low Channel - Full RB



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

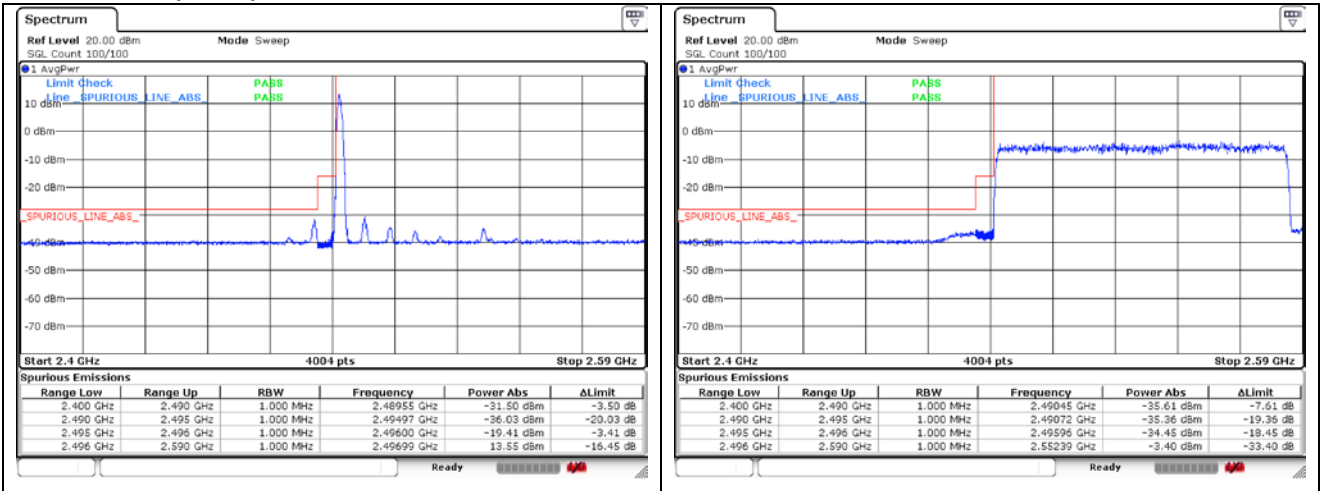
CP-OFDM 16QAM - IC Low Channel - Full RB



CP-OFDM 16QAM - High Channel - 1 RB

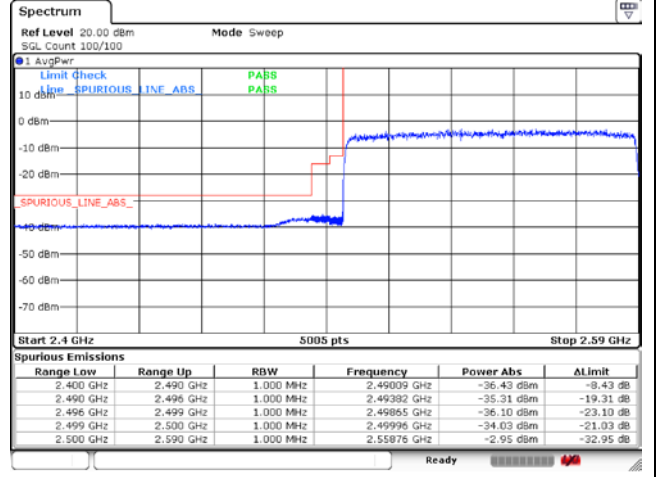
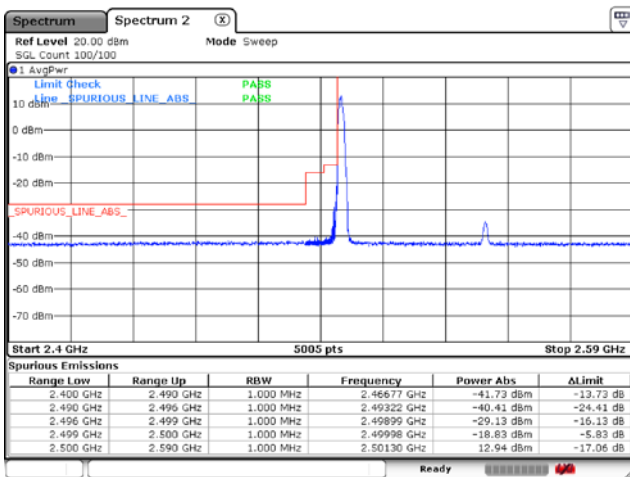
CP-OFDM 16QAM - High Channel - Full RB

NR band 41 (90 MHz)



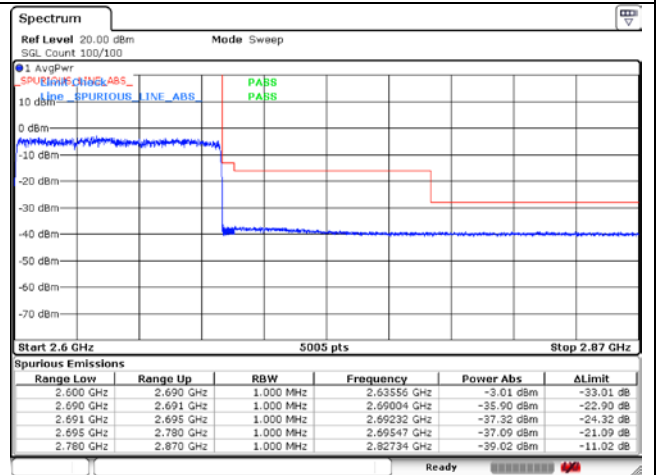
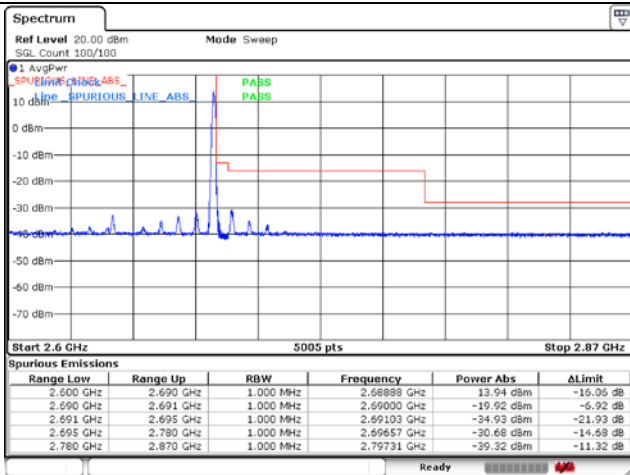
CP-OFDM QPSK - FCC Low Channel - 1 RB

CP-OFDM QPSK - FCC Low Channel - Full RB



CP-OFDM QPSK - IC Low Channel - 1 RB

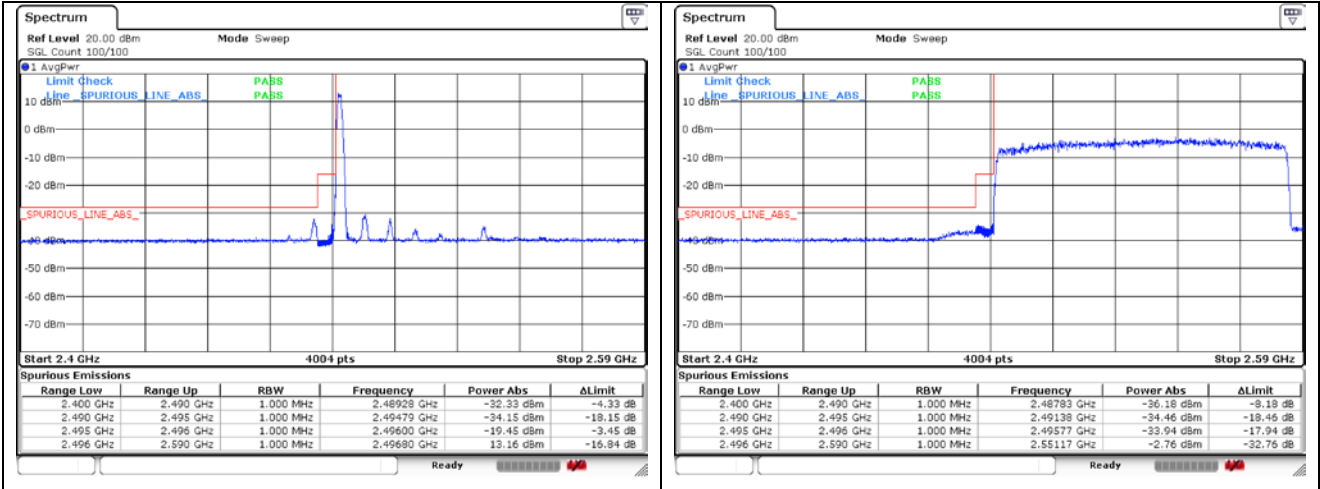
CP-OFDM QPSK - IC Low Channel - Full RB



CP-OFDM QPSK - High Channel - 1 RB

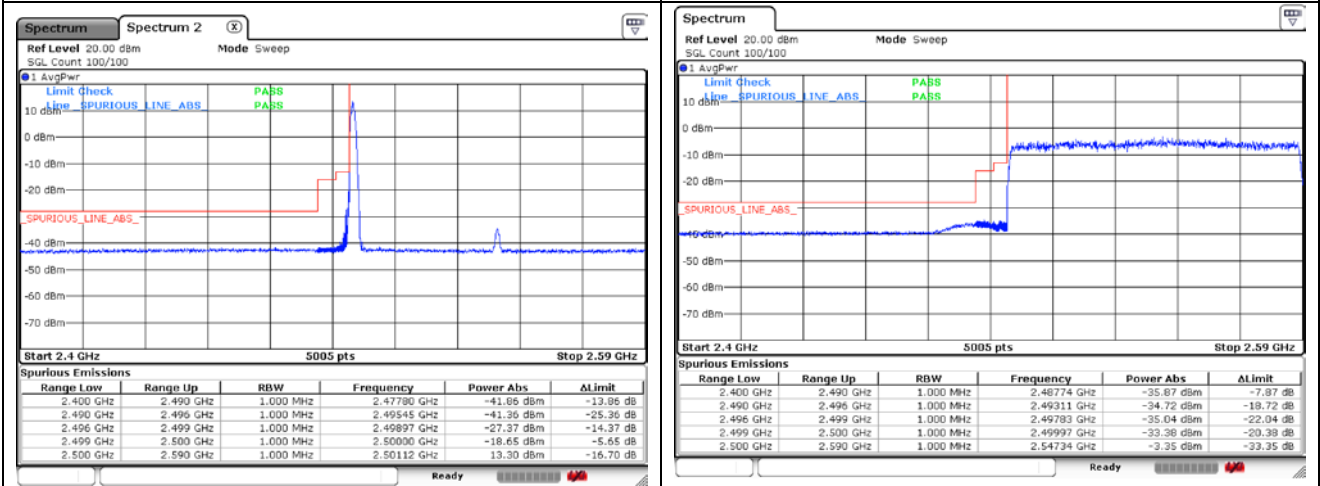
CP-OFDM QPSK - High Channel - Full RB

NR band 41 (90 MHz)



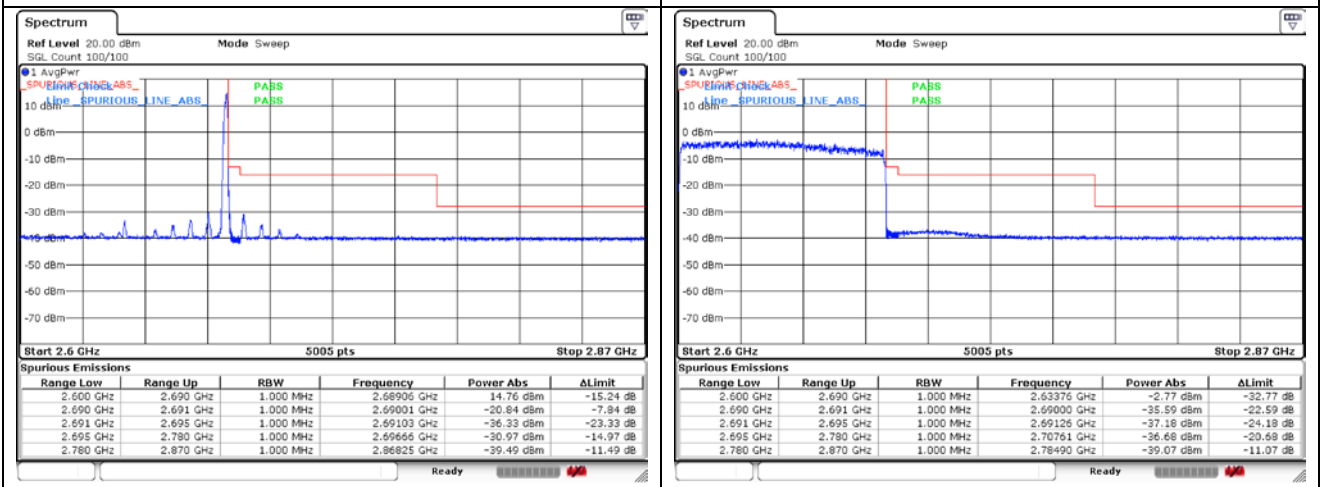
CP-OFDM 16QAM - FCC Low Channel - 1 RB

CP-OFDM 16QAM - FCC Low Channel - Full RB



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

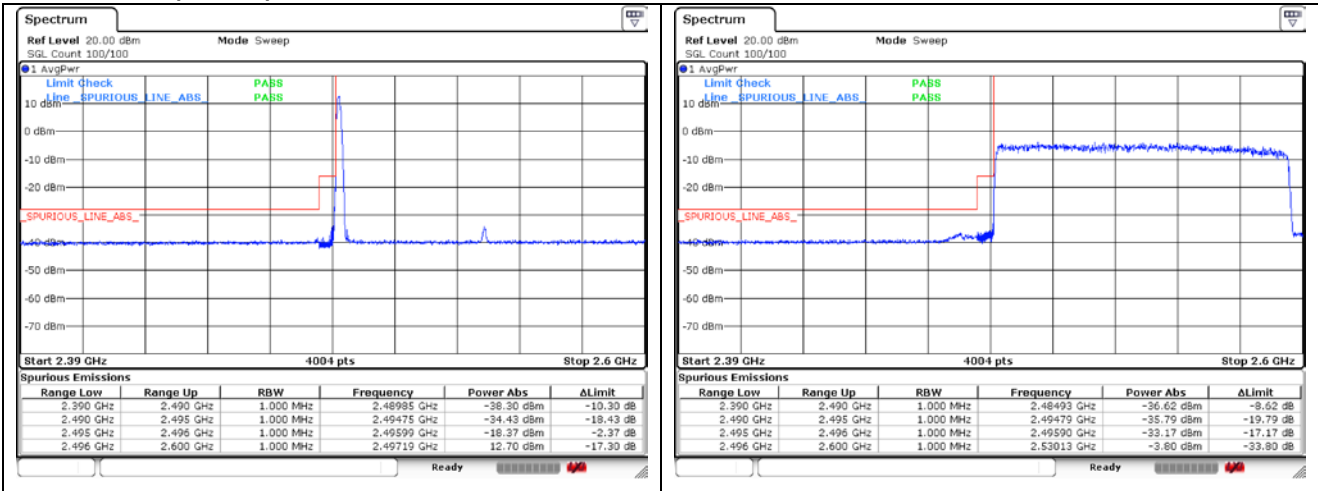
CP-OFDM 16QAM - IC Low Channel - Full RB



CP-OFDM 16QAM - High Channel - 1 RB

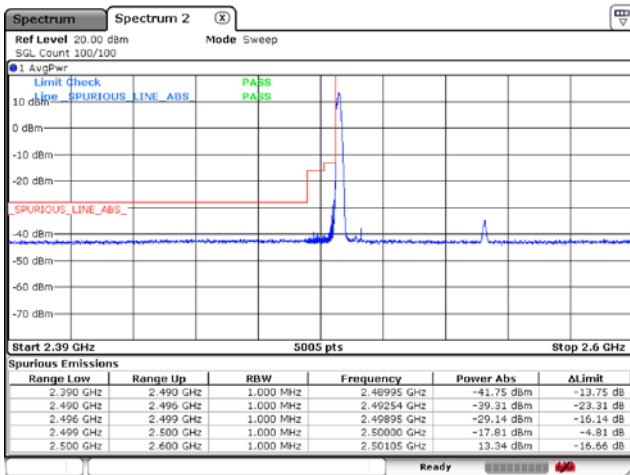
CP-OFDM 16QAM - High Channel - Full RB

NR band 41 (100 MHz)

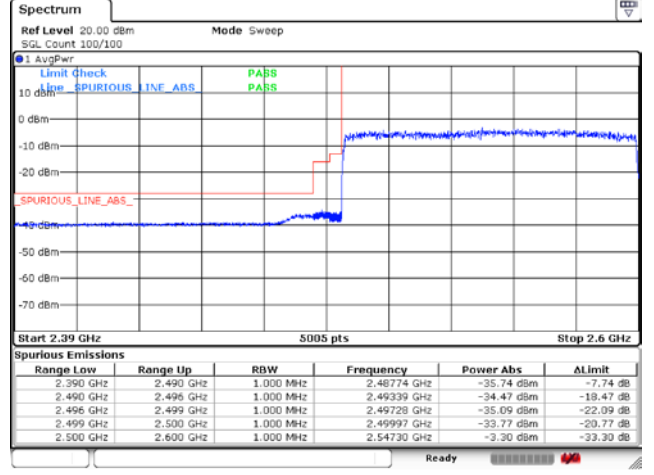


CP-OFDM QPSK - FCC Low Channel - 1 RB

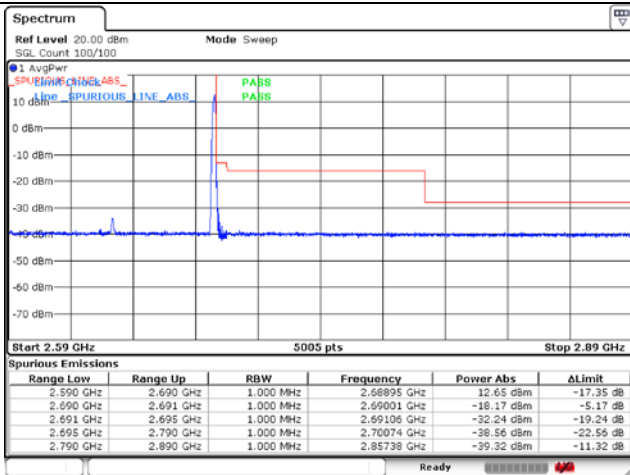
CP-OFDM QPSK - FCC Low Channel - Full RB



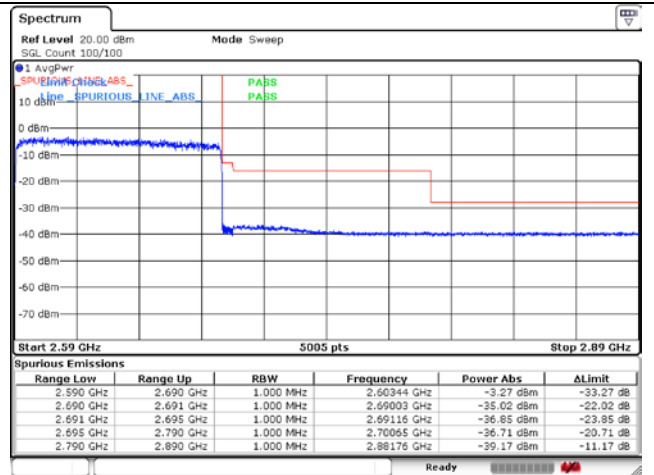
CP-OFDM QPSK - IC Low Channel - 1 RB



CP-OFDM QPSK - IC Low Channel - Full RB

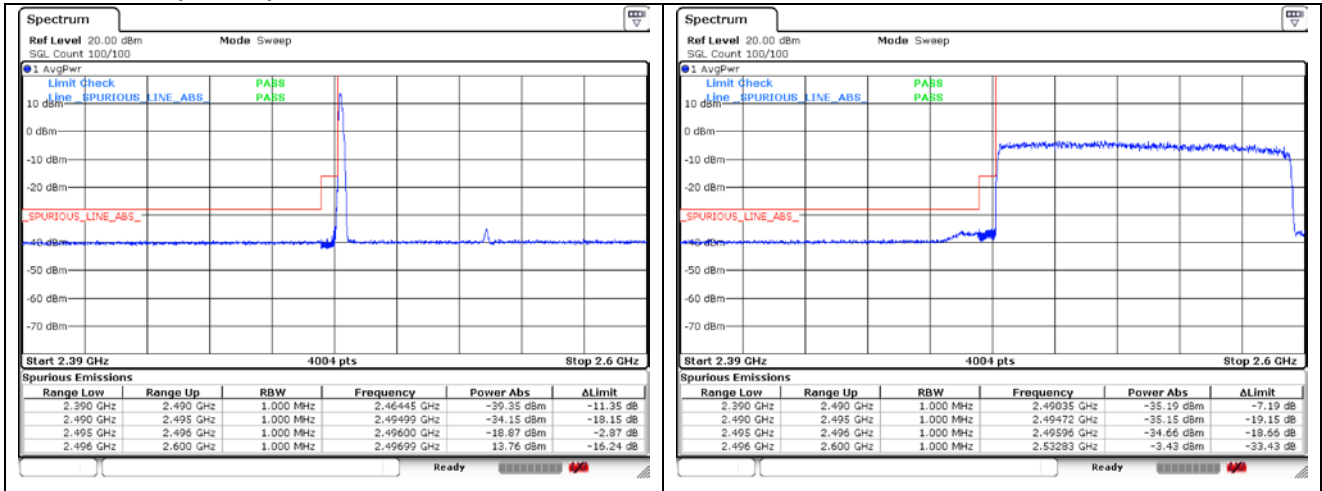


CP-OFDM QPSK - High Channel - 1 RB



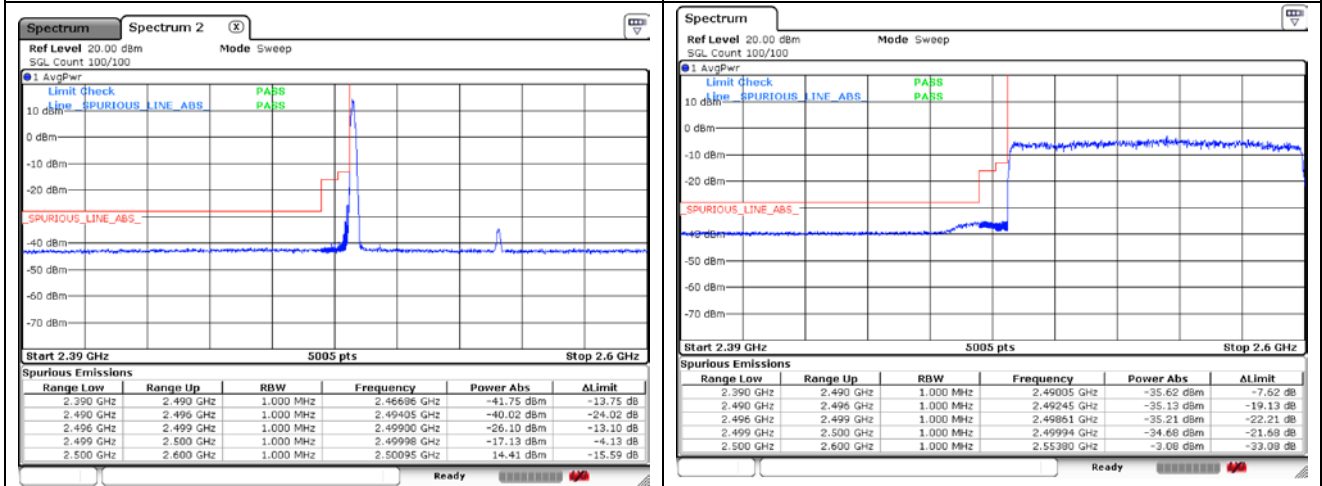
CP-OFDM QPSK - High Channel - Full RB

NR band 41 (100 MHz)



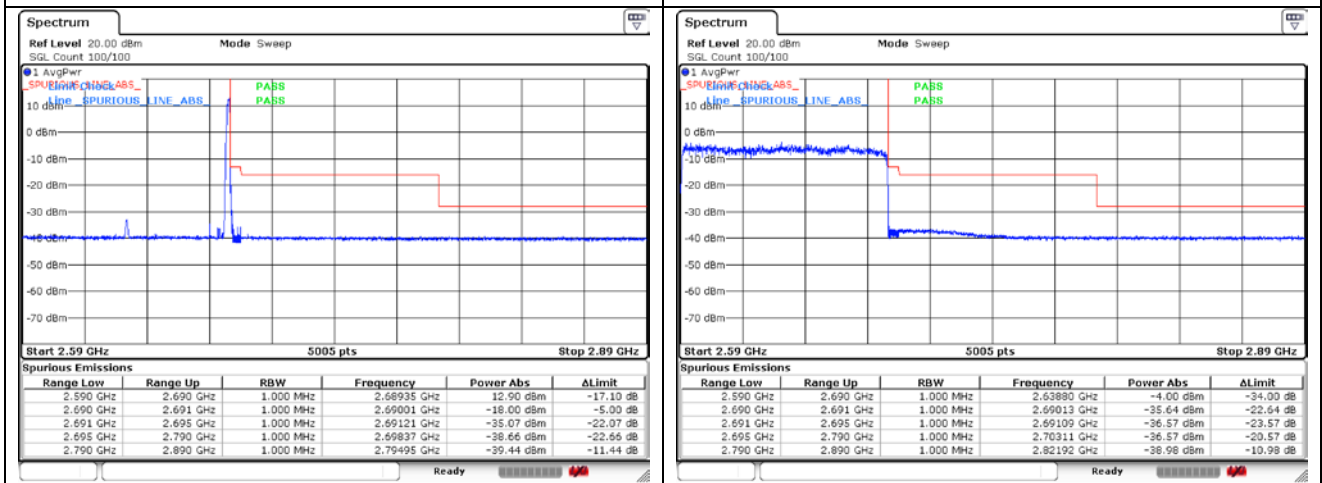
CP-OFDM 16QAM - FCC Low Channel - 1 RB

CP-OFDM 16QAM - FCC Low Channel - Full RB



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

CP-OFDM 16QAM - IC Low Channel - Full RB



CP-OFDM 16QAM - High Channel - 1 RB

CP-OFDM 16QAM - High Channel - Full RB

8. Frequency Stability

8.1. Limit

FCC

- § 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.

IC

- RSS-Gen Issue 5

6.11, for licensed devices, the following measurement conditions apply:

a. at the temperatures of -30°C (-22°F), +20°C (+68°F) and +50°C (+122°F), and at the manufacturer's rated supply voltage

- RSS-199 Issue 3

4.3, the transmitter frequency stability limit shall be determined as follows:

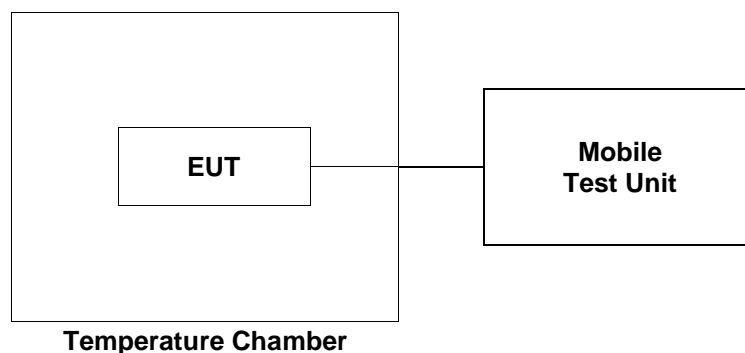
(a) the frequency offset shall be measured according to the procedure described in RSS-Gen and recorded.

(b) using a resolution bandwidth equal to that permitted within the 1 MHz band immediately outside the channel edge, as found in section 4.5, reference points will be selected at the unwanted emission limits, which comply with the attenuation specified in section 4.5 for the type of device under test, on the emission mask of the lowest and highest channels. The frequency at these points shall be recorded as f_L and f_H respectively.

The applicant shall ensure compliance with frequency stability requirements by showing that f_L minus the frequency offset and f_H plus the frequency offset is within the frequency range in which the equipment is designed to operate.

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 41(FCC_SISO) 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	3.90	-19.30	0.002 62
40		-23.50	0.001 00
30		-22.80	0.001 27
20(Ref.)		-26.10	-
10		-16.90	0.003 55
0		19.10	0.017 43
-10		22.30	0.018 67
-20		19.80	0.017 70
-30		-18.20	0.003 05
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.32 (85%)	-24.30	0.000 69
	4.49 (115%)	-29.50	-0.001 31

NR band 41(IC_SISO) 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	3.90	18.30	0.014 10
40		-16.80	0.000 58
30		-15.90	0.000 92
20(Ref.)		-18.30	-
10		-16.40	0.000 73
0		11.10	0.011 33
-10		13.90	0.012 41
-20		11.90	0.011 64
-30		13.60	0.012 29
Frequency Stability versus Power Supply			
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse	
		Frequency Error (Hz)	ppm
20	3.32 (85%)	23.70	0.016 18
	4.49 (115%)	-22.90	-0.001 77

NR band 41(FCC_MIMO) 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	
		Port 1	Port 2	Port 1	Port 2
50	3.90	-15.90	-15.10	0.001 31	0.001 12
40		-19.90	-13.90	-0.000 23	0.001 58
30		-18.30	-16.20	0.000 39	0.000 69
20(Ref.)		-19.30	-18.00	-	-
10		-17.60	-14.00	0.000 66	0.001 54
0		-20.10	-18.30	-0.000 31	-0.000 12
-10		-17.10	-12.20	0.000 85	0.002 24
-20		-14.80	-16.80	0.001 74	0.000 46
-30		24.30	17.80	0.016 81	0.013 81
Frequency Stability versus Power Supply					
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse			
		Frequency Error (Hz)		ppm	
		Port 1	Port 2	Port 1	Port 2
20	3.32 (85%)	-25.70	-18.10	-0.002 47	-0.000 04
	4.49 (115%)	-16.70	-17.10	0.001 00	0.000 35

NR band 41(IC_MIMO) 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	
		Port 1	Port 2	Port 1	Port 2
50	3.90	-21.60	-20.40	-0.001 50	-0.000 62
40		-19.80	-17.80	-0.000 81	0.000 39
30		-20.70	-16.30	-0.001 16	0.000 96
20(Ref.)		-17.70	-18.80	-	-
10		-17.30	-24.70	0.000 15	-0.002 27
0		-14.80	-14.00	0.001 12	0.001 85
-10		14.30	11.30	0.012 33	0.011 60
-20		-18.90	-16.50	-0.000 46	0.000 89
-30		-13.30	-19.90	0.001 70	-0.000 42
Frequency Stability versus Power Supply					
Environment Temperature (°C)	Power Supplied (V)	Frequency Measure with Time Elapse			
		Frequency Error (Hz)		ppm	
		Port 1	Port 2	Port 1	Port 2
20	3.32 (85%)	-22.10	-13.60	-0.001 70	0.002 00
	4.49 (115%)	-17.80	-16.70	-0.000 04	0.000 81

- End of the Test Report -