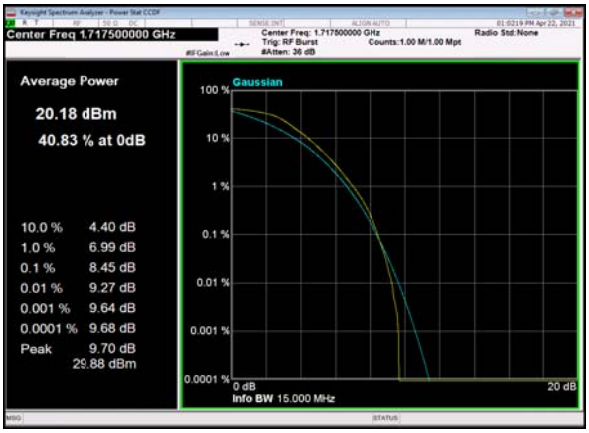
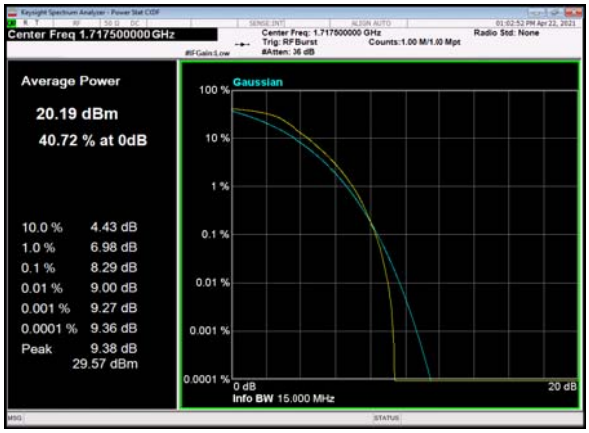
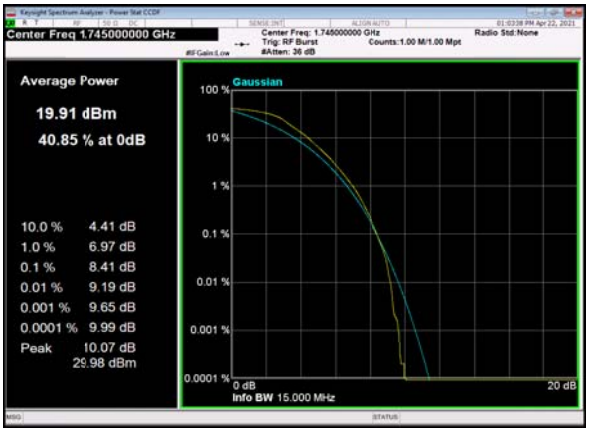
DC_13A_N66(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



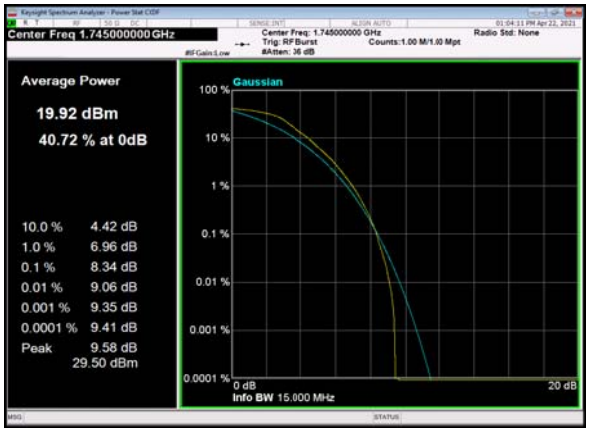
DC_13A_N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



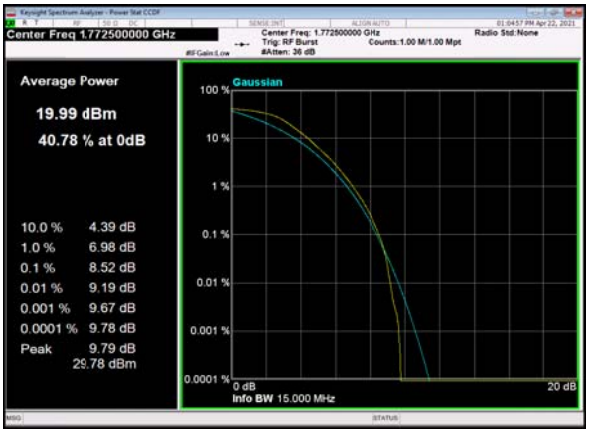
DC_13A_N66(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



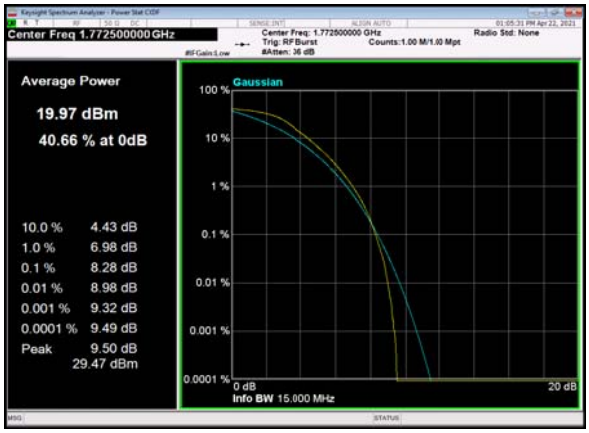
DC_13A_N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



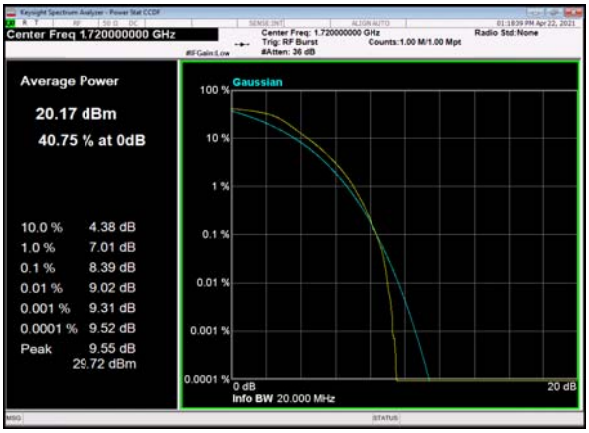
DC_13A_N66(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



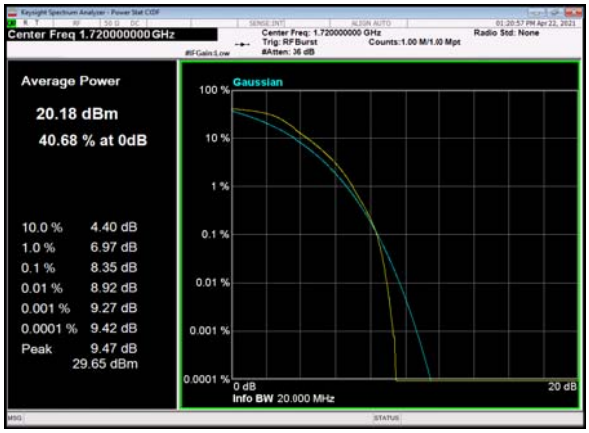
DC_13A_N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



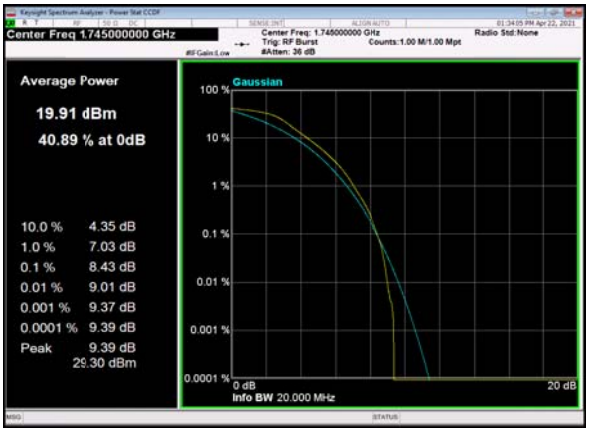
DC_13A_N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



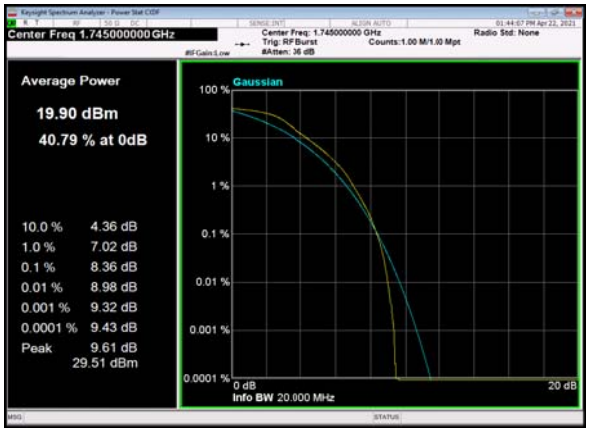
DC_13A_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



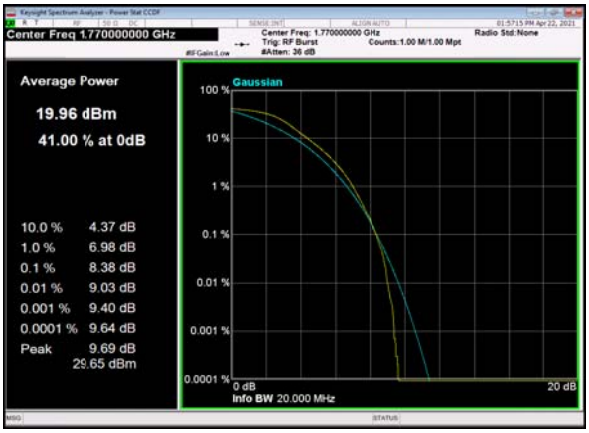
DC_13A_N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



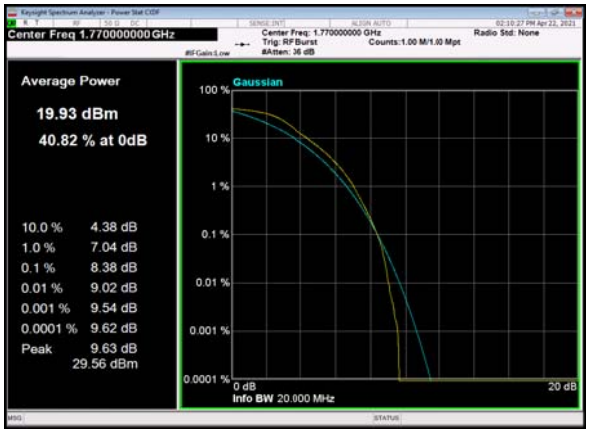
DC_13A_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



DC_13A_N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH

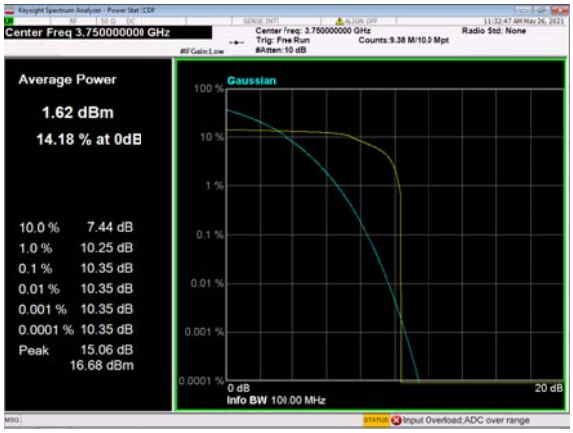


DC_13A_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

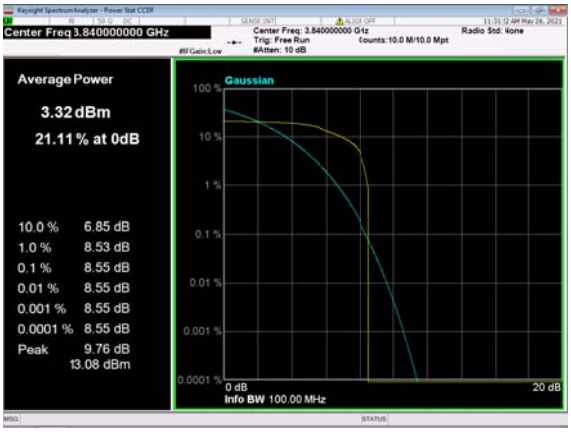


DC_13A_N77(100M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH

DC_13A_N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



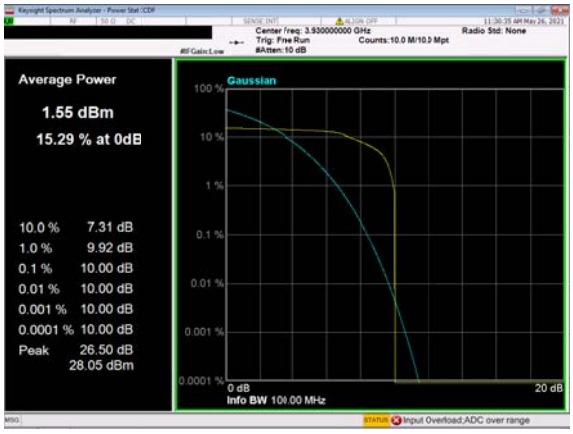
DC_13A_N77(100M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



DC_13A_N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

DC_13A_N77(100M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH

DC_13A_N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

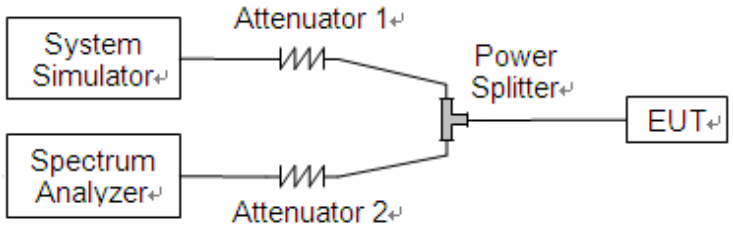


2.5. Conducted Spurious Emissions

2.5.1. Requirement

According to FCC section 2.1051, section 27.53(h), section 27.53(g), section 27.53(l), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P)dB. This calculated to be -13dBm.

2.5.2. Test Description



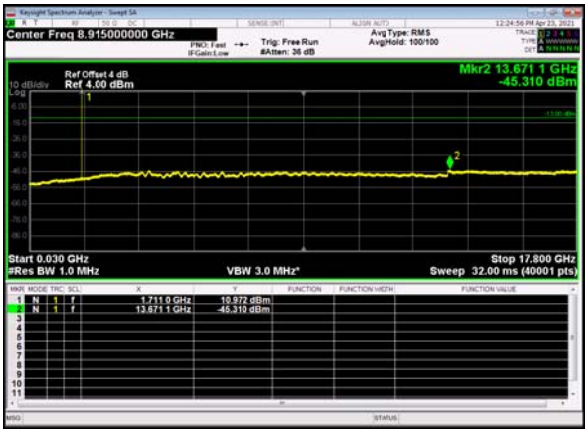
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.5.3. Test procedure

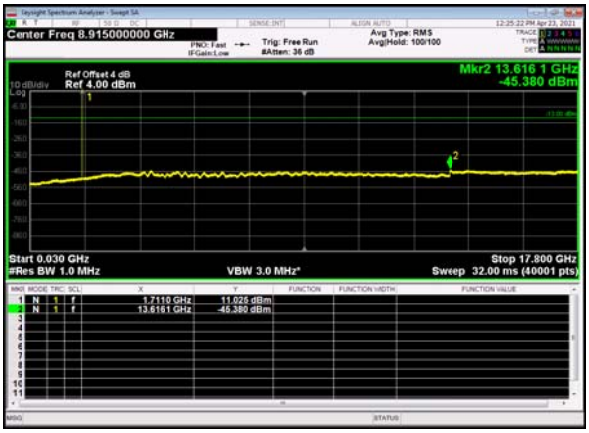
KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

2.5.4. Test Result

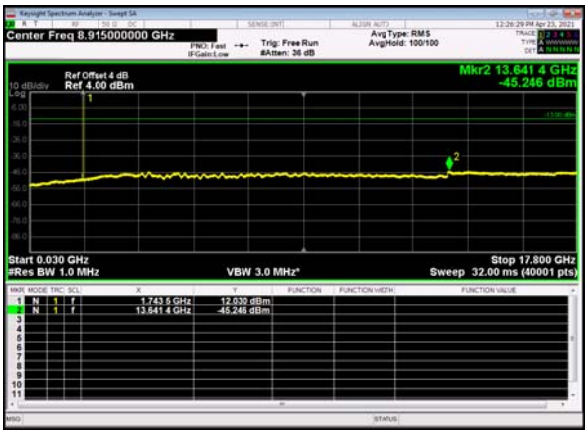
DC_13A_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



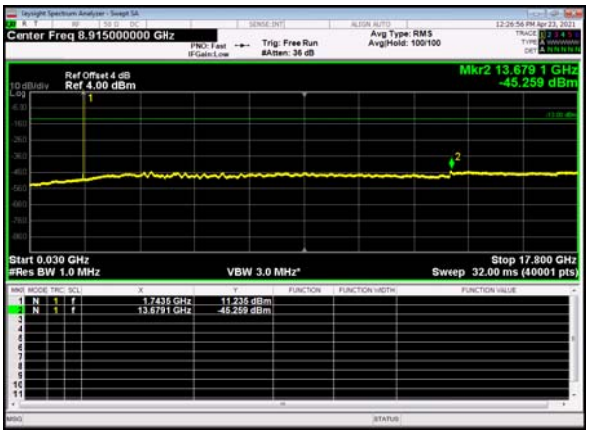
DC_13A_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



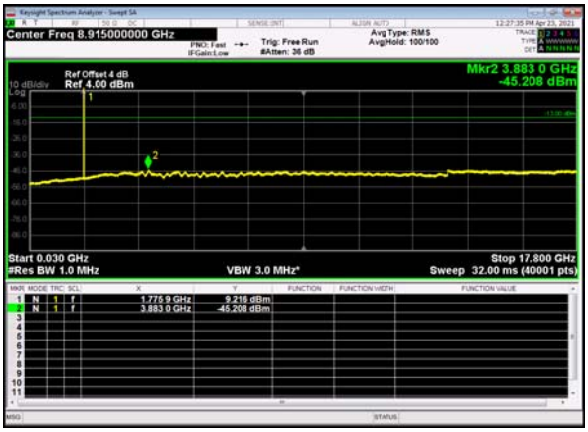
DC_13A_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



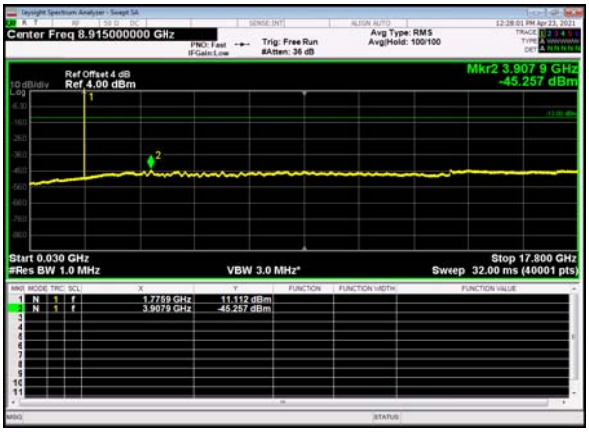
DC_13A_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



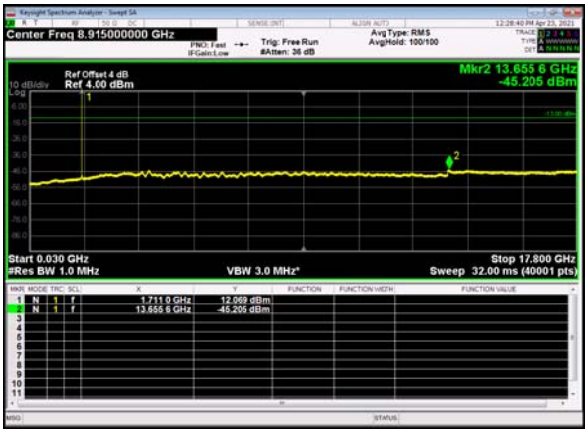
DC_13A_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



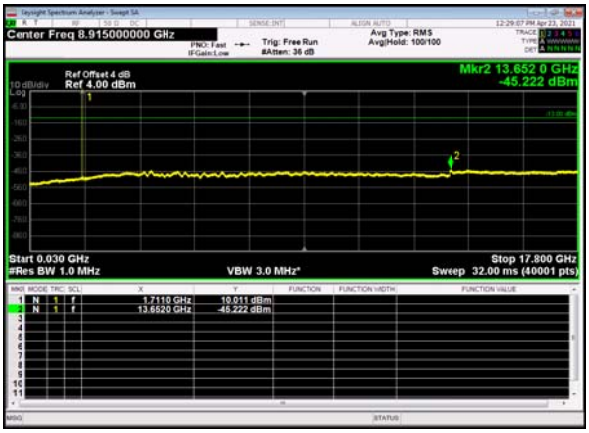
DC_13A_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



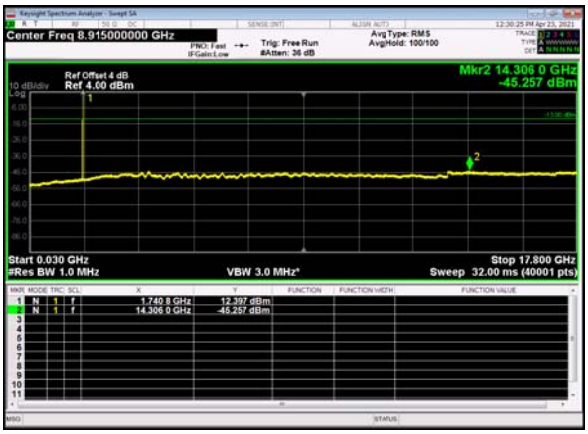
DC_13A_N66(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



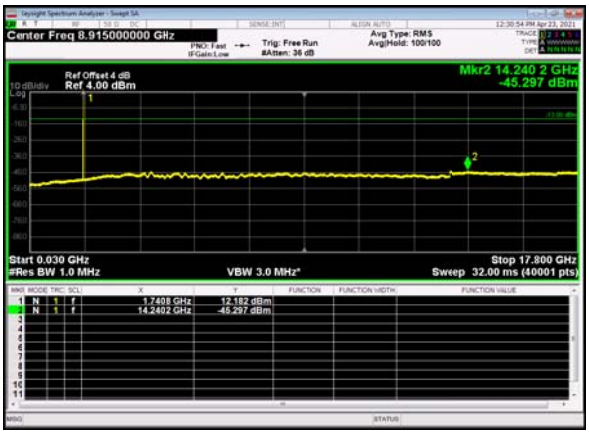
DC_13A_N66(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



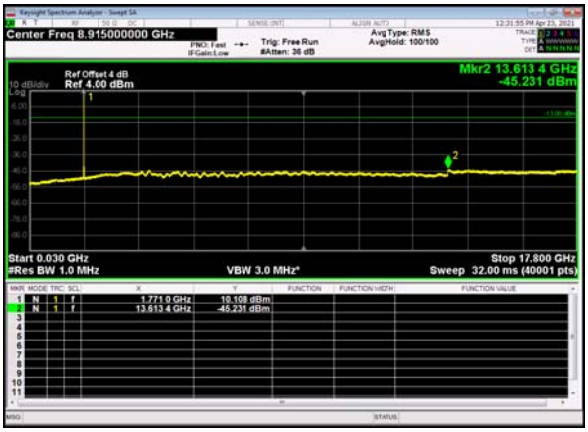
DC_13A_N66(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



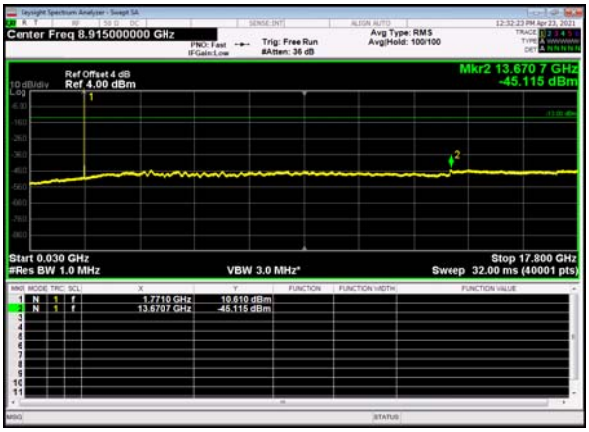
DC_13A_N66(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



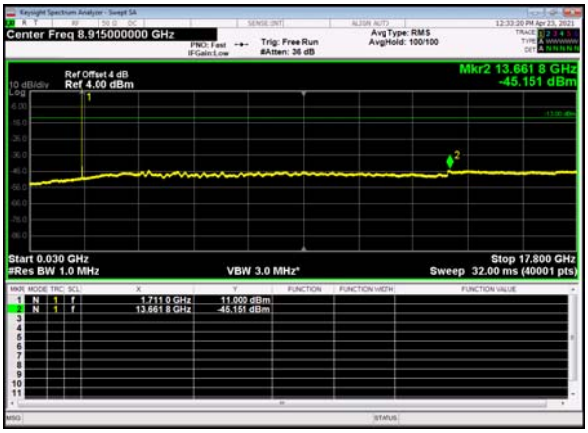
DC_13A_N66(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



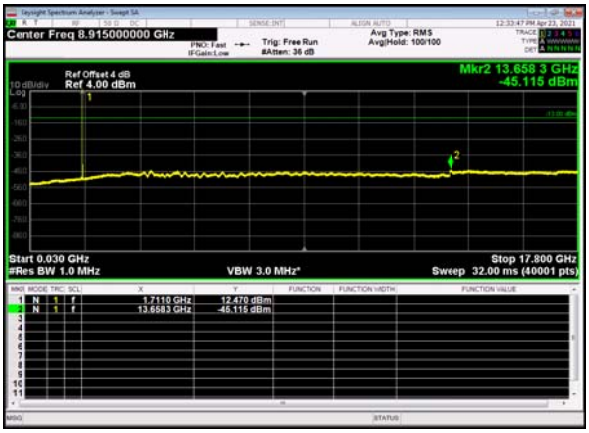
DC_13A_N66(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



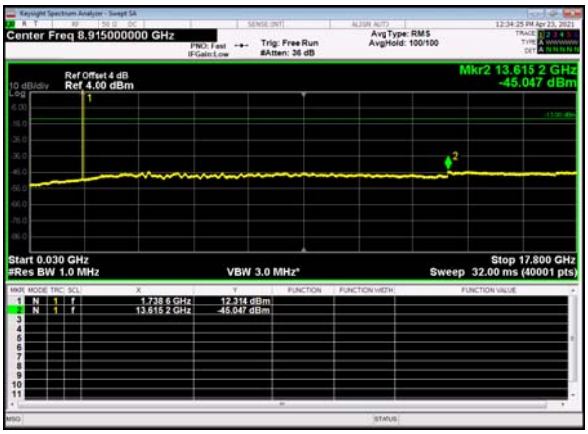
DC_13A_N66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



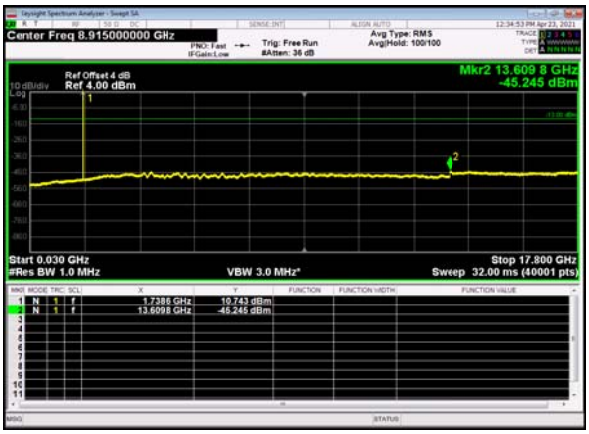
DC_13A_N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



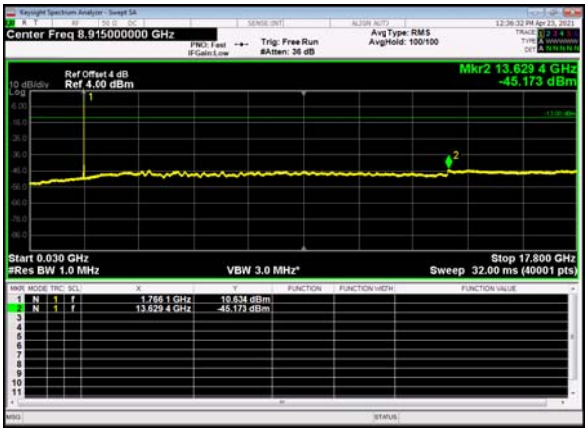
DC_13A_N66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



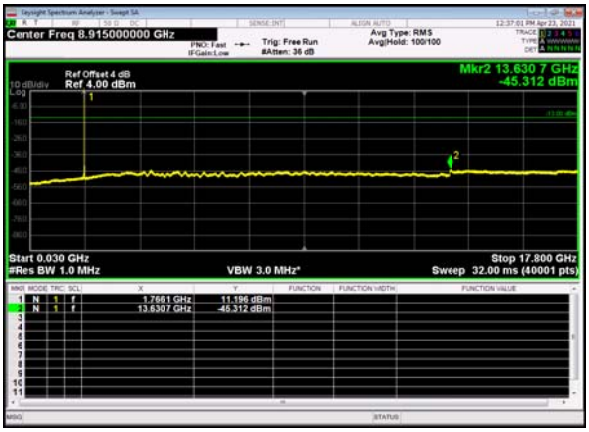
DC_13A_N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



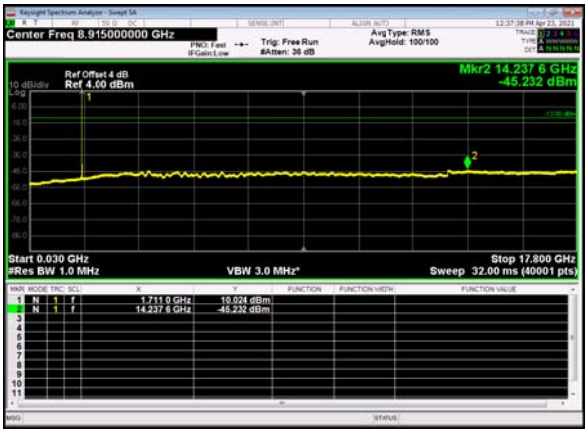
DC_13A_N66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



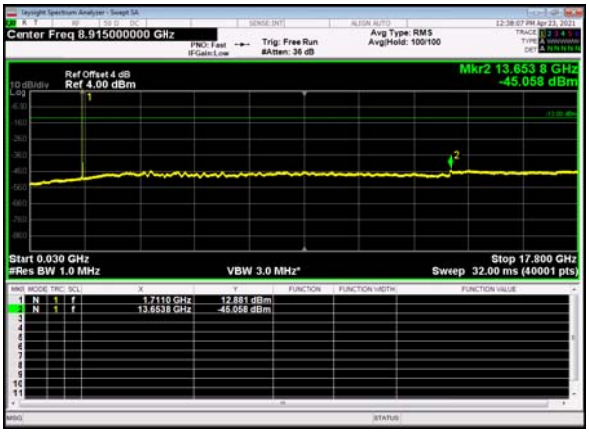
DC_13A_N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



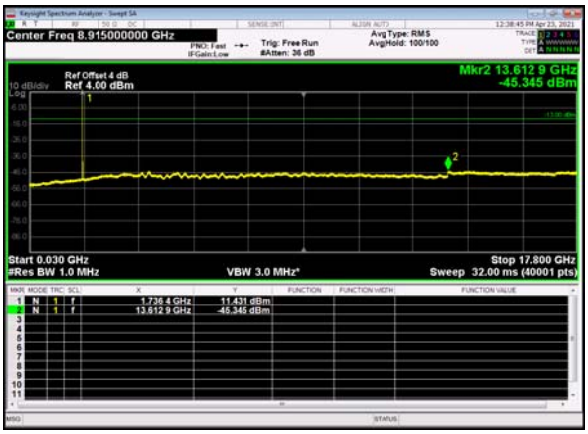
DC_13A_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



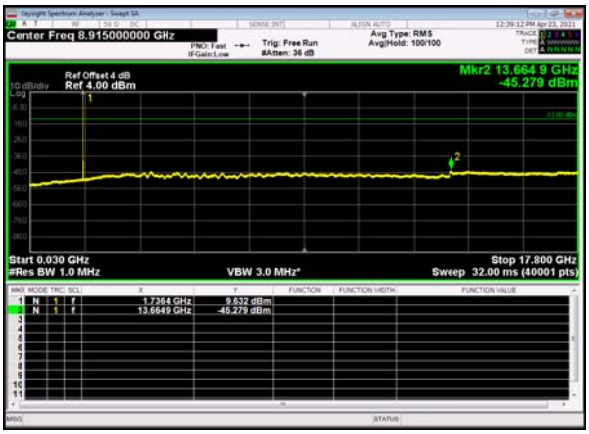
DC_13A_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



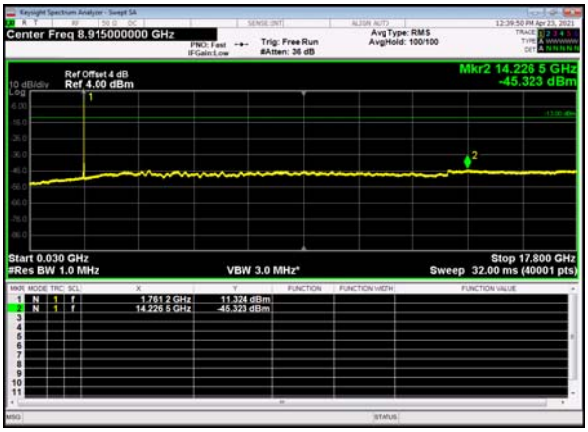
DC_13A_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



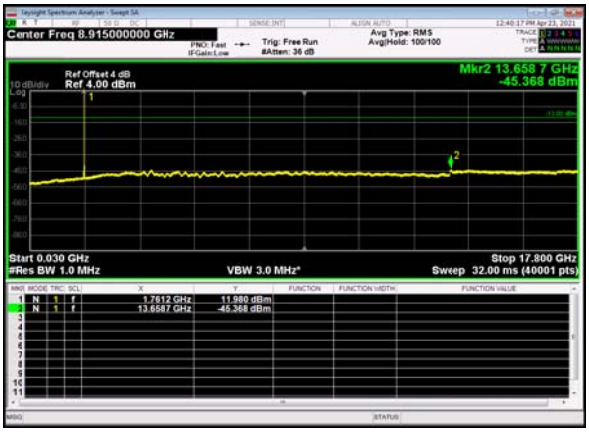
DC_13A_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



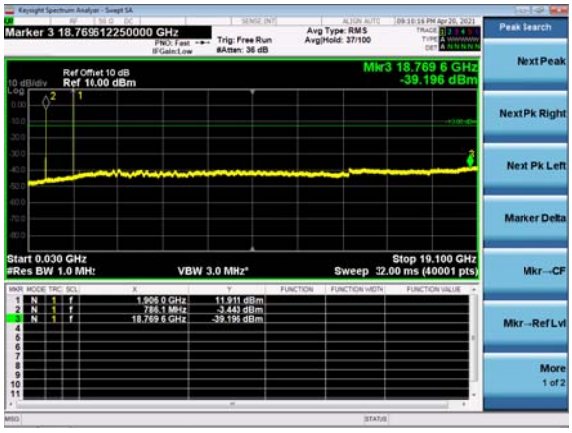
DC_13A_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



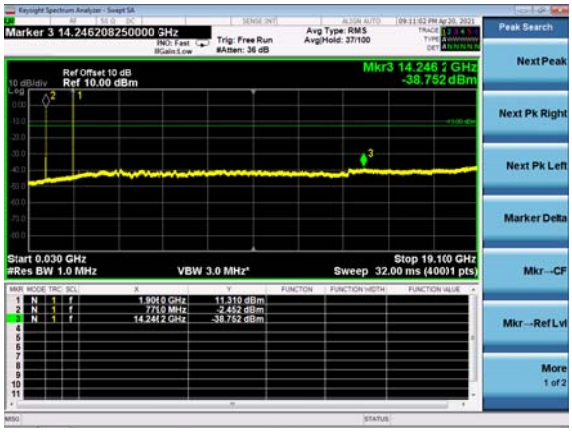
DC_13A_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



DC_13A-66A_N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

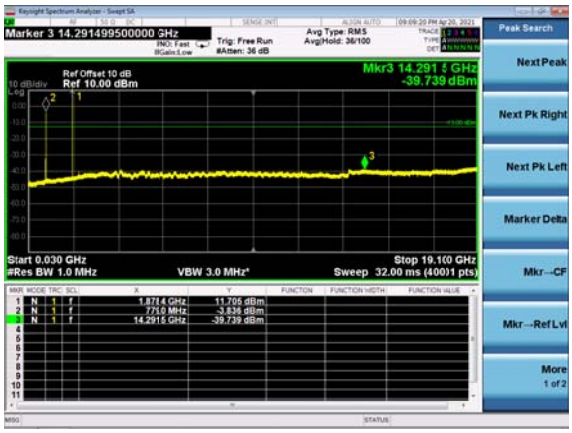


DC_13A-66A_N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

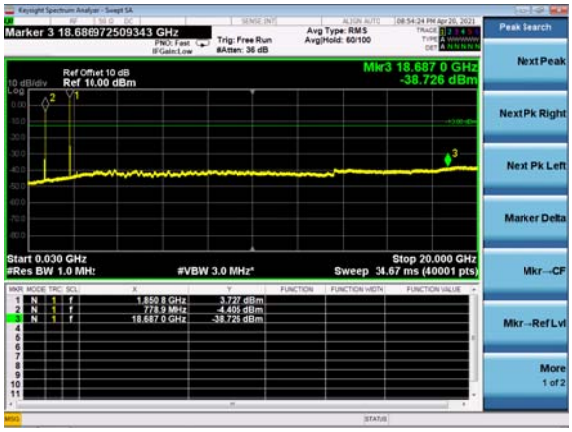


DC_13A-66A_N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

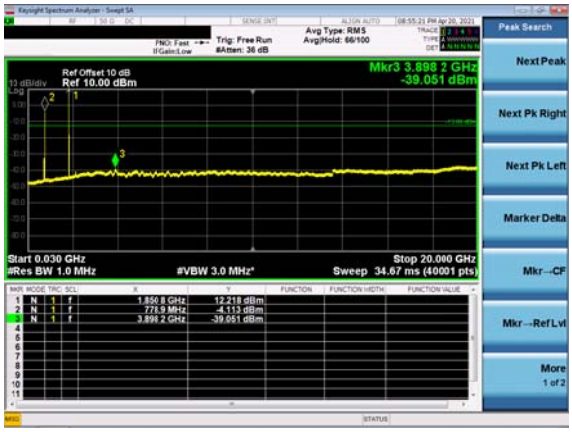
DC_13A-66A_N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



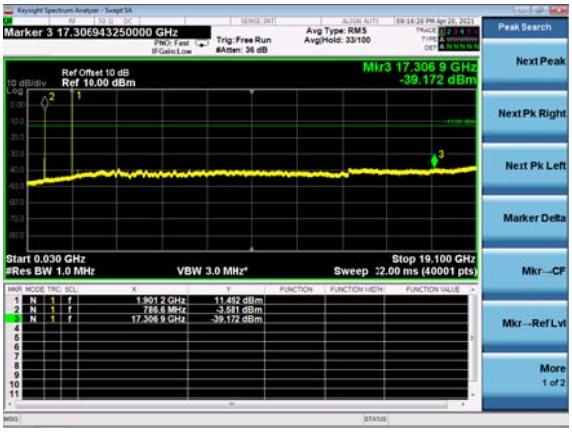
DC_13A-66A_N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



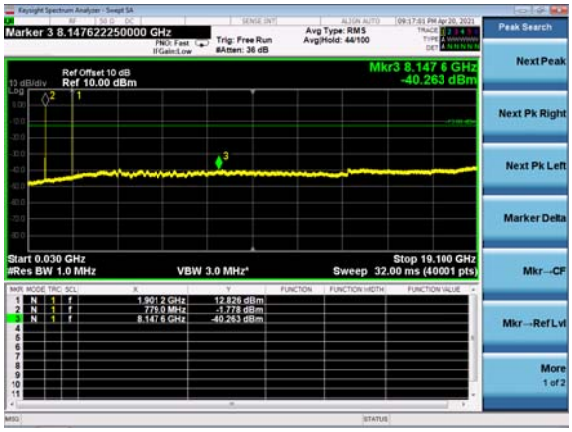
DC_13A-66A_N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



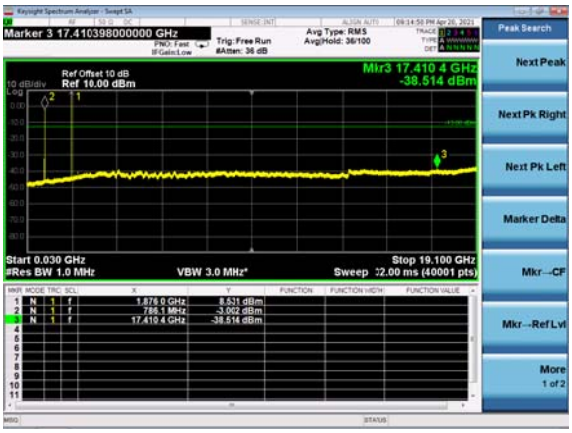
DC_13A-66A_N2(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



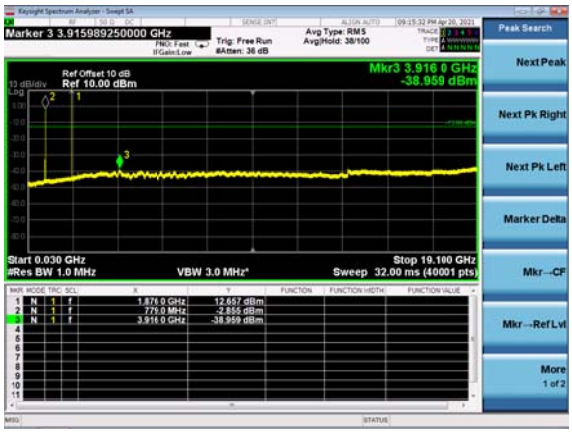
DC_13A-66A_N2(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



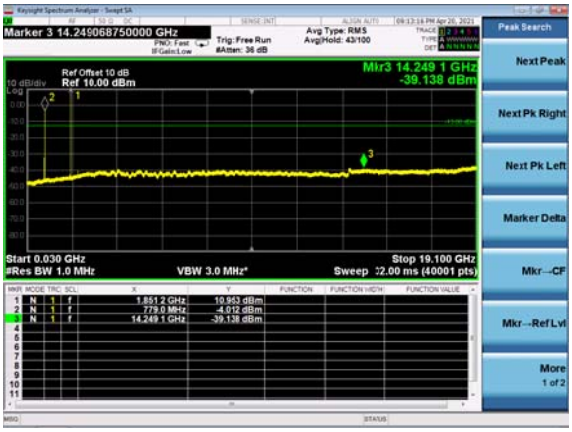
DC_13A-66A_N2(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



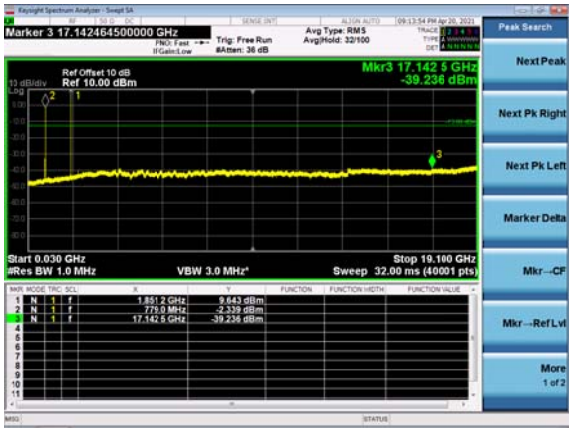
DC_13A-66A_N2(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



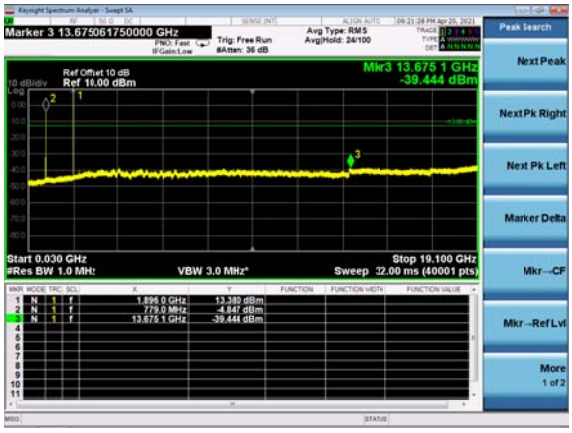
DC_13A-66A_N2(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



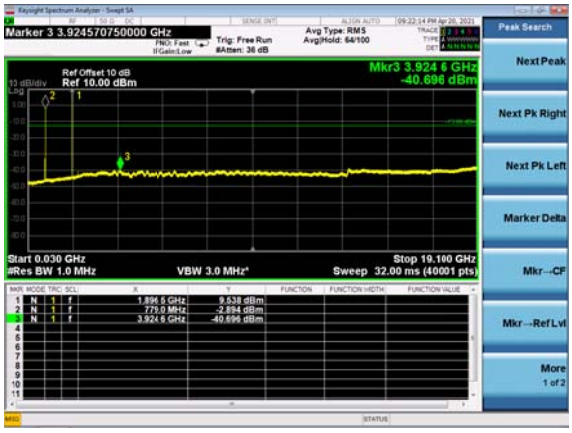
DC_13A-66A_N2(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



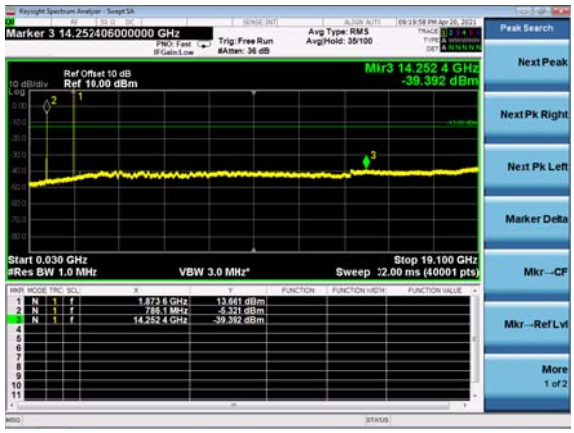
DC_13A-66A_N2(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



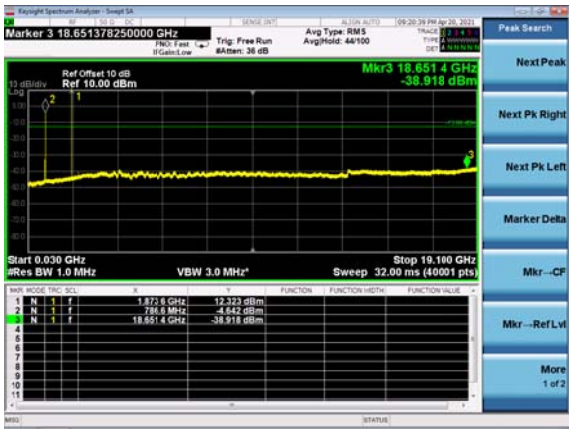
DC_13A-66A_N2(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



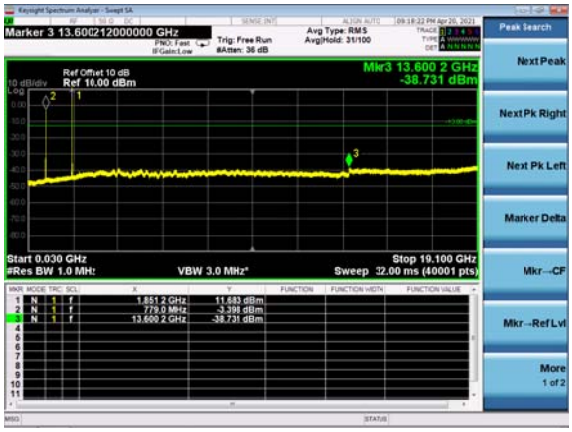
DC_13A-66A_N2(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



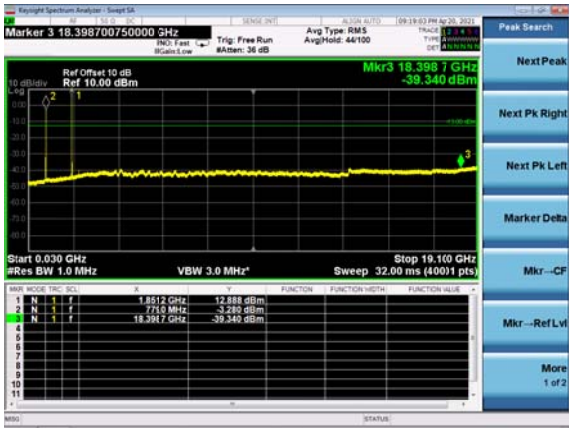
DC_13A-66A_N2(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



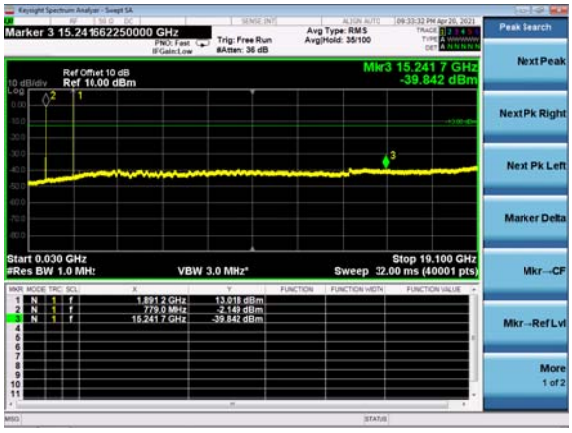
DC_13A-66A_N2(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



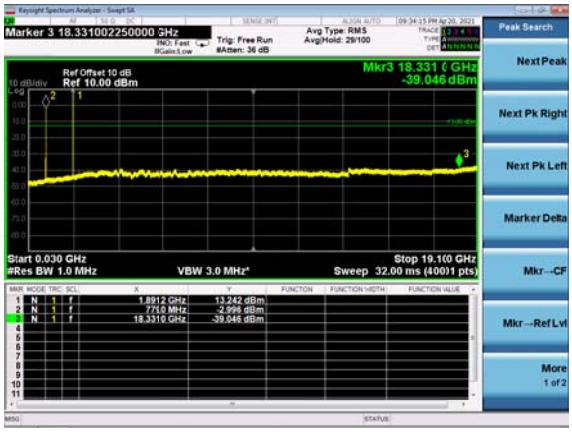
DC_13A-66A_N2(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



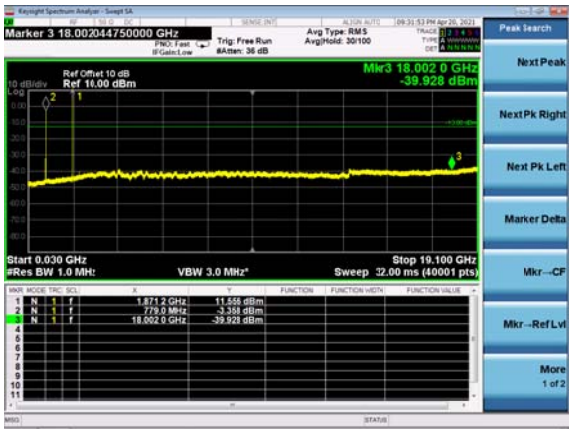
DC_13A-66A_N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



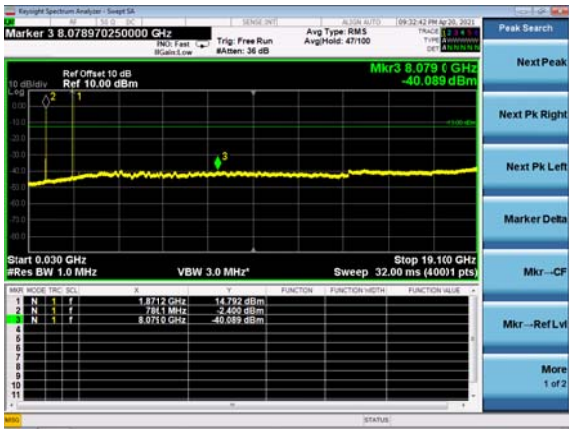
DC_13A-66A_N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



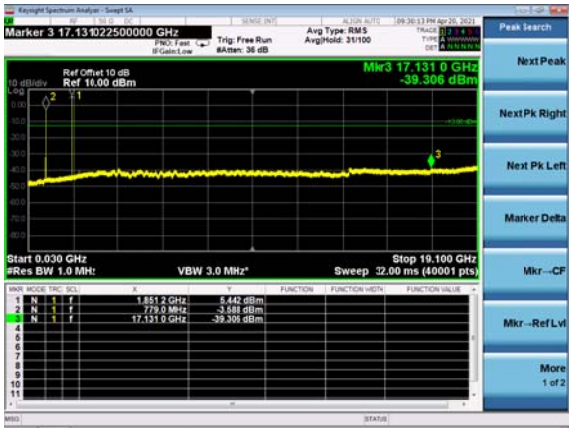
DC_13A-66A_N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



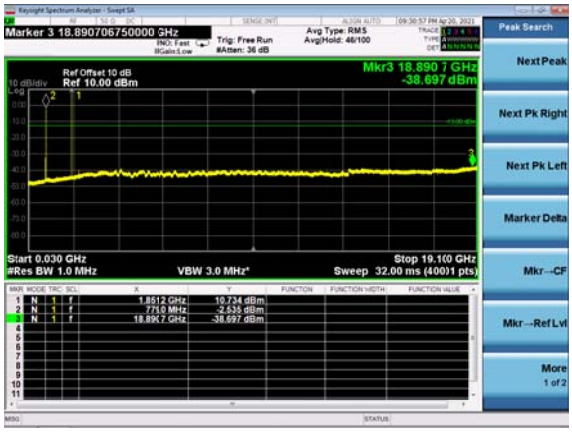
DC_13A-66A_N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



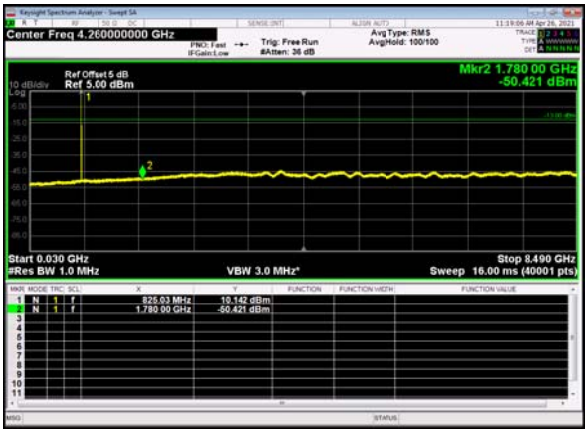
DC_13A-66A_N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



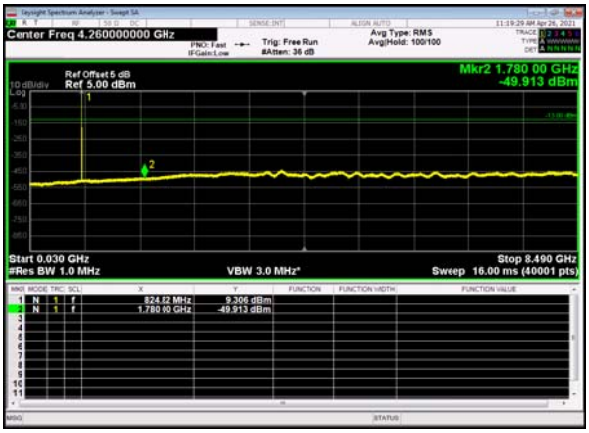
DC_13A-66A_N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



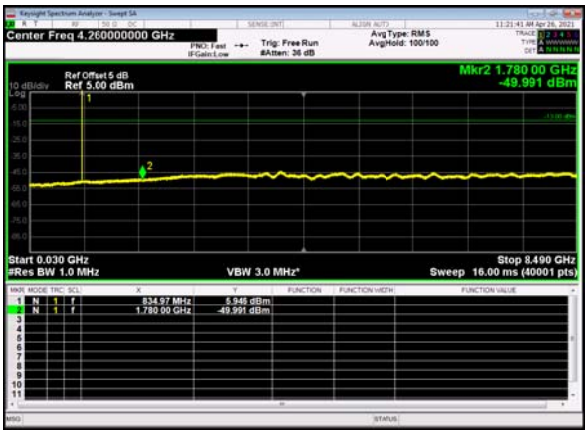
DC_66A_N5(5M)_DFT-s-OFDM_BPSK_ Edge_1RB_Left_Low_CH



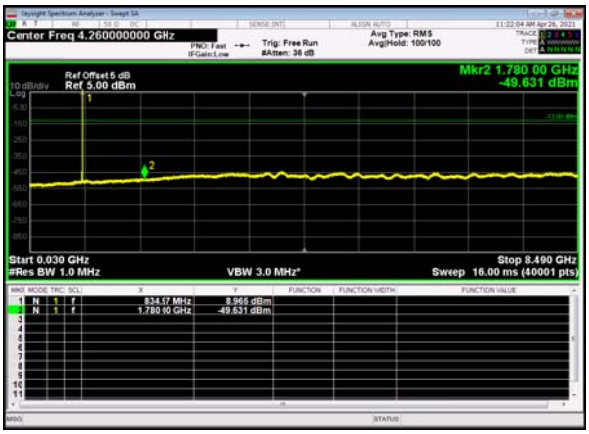
DC_66A_N5(5M)_DFT-s-OFDM_QPSK_ Edge_1RB_Left_Low_CH



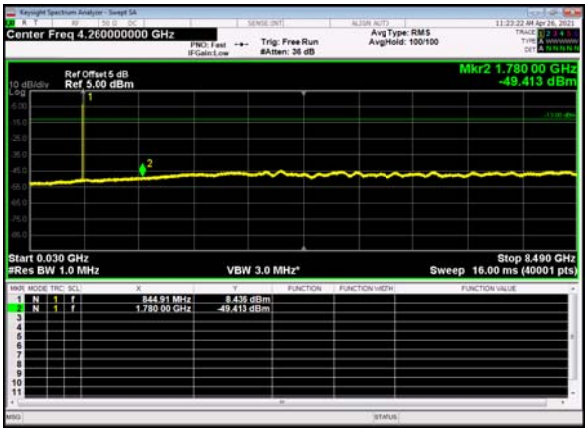
DC_66A_N5(5M)_DFT-s-OFDM_BPSK_ Edge_1RB_Left_Mid_CH



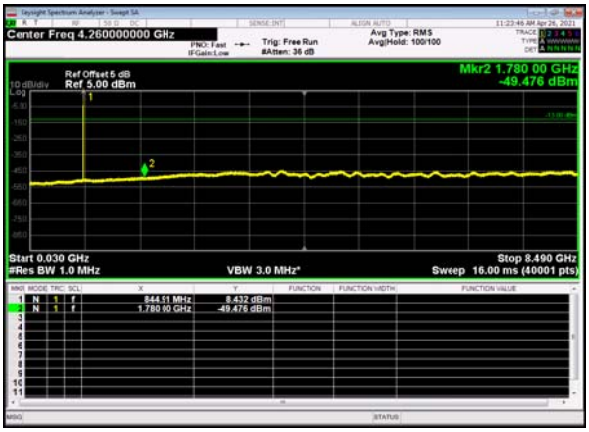
DC_66A_N5(5M)_DFT-s-OFDM_QPSK_ Edge_1RB_Left_Mid_CH



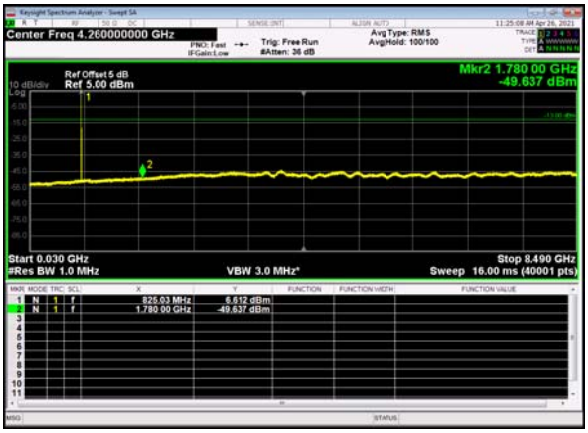
DC_66A_N5(5M)_DFT-s-OFDM_BPSK_ Edge_1RB_Left_High_CH



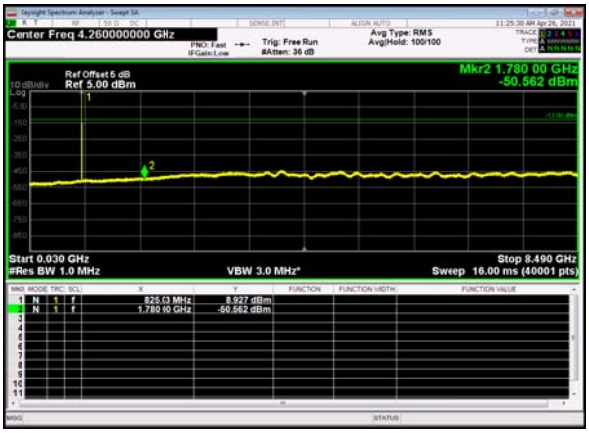
DC_66A_N5(5M)_DFT-s-OFDM_QPSK_ Edge_1RB_Left_High_CH



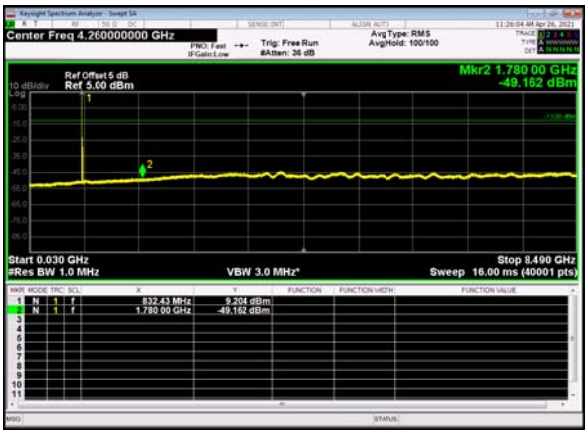
DC_66A_N5(10M)_DFT-s-OFDM_BPSK_ Edge_1RB_Left_Low_CH



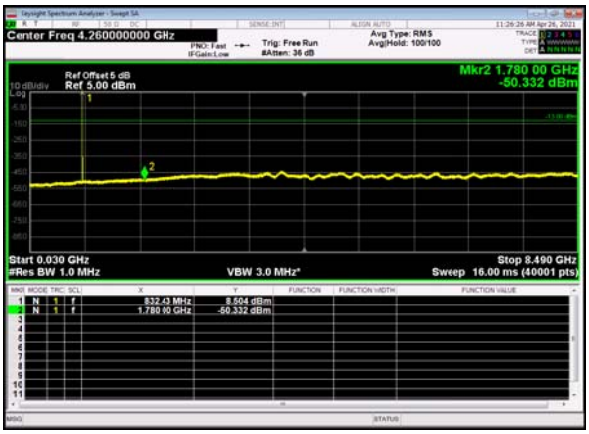
DC_66A_N5(10M)_DFT-s-OFDM_QPSK_ Edge_1RB_Left_Low_CH



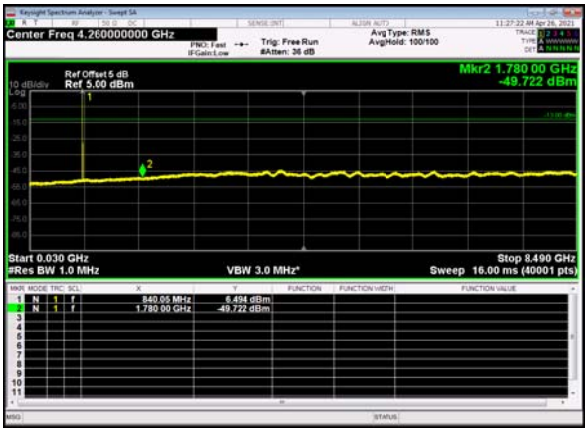
DC_66A_N5(10M)_DFT-s-OFDM_BPSK_ Edge_1RB_Left_Mid_CH



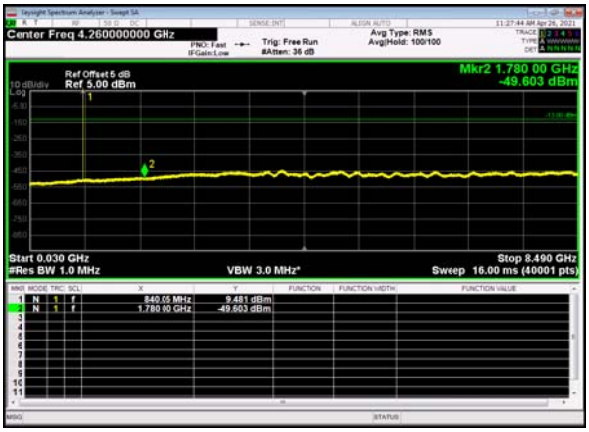
DC_66A_N5(10M)_DFT-s-OFDM_QPSK_ Edge_1RB_Left_Mid_CH



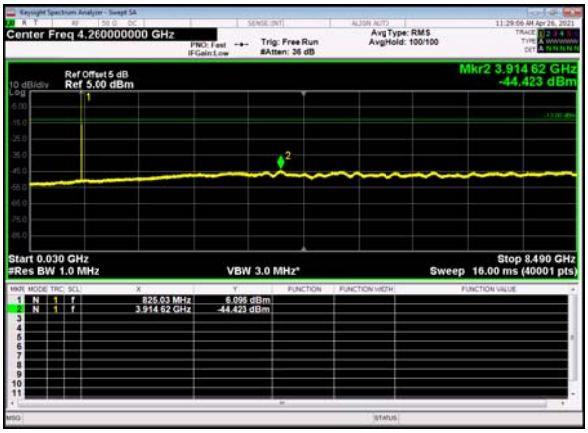
DC_66A_N5(10M)_DFT-s-OFDM_BPSK_ Edge_1RB_Left_High_CH



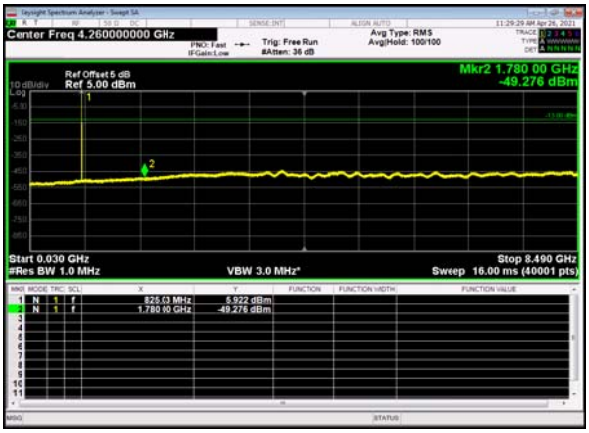
DC_66A_N5(10M)_DFT-s-OFDM_QPSK_ Edge_1RB_Left_High_CH



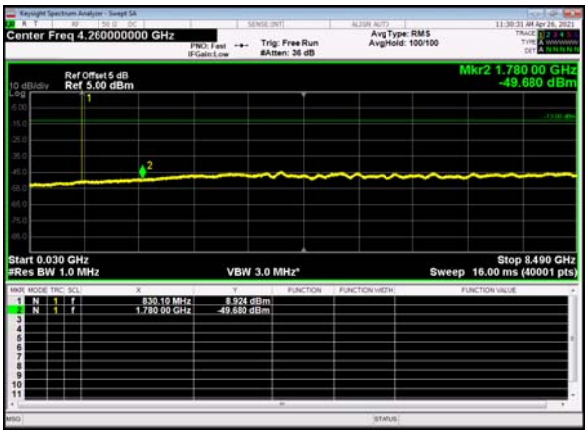
DC_66A_N5(15M)_DFT-s-OFDM_BPSK_ Edge_1RB_Left_Low_CH



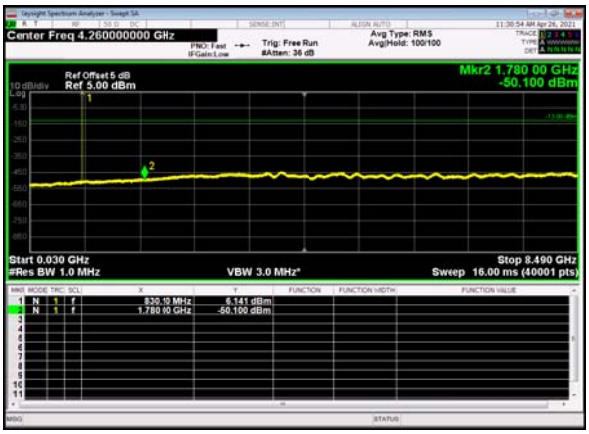
DC_66A_N5(15M)_DFT-s-OFDM_QPSK_ Edge_1RB_Left_Low_CH



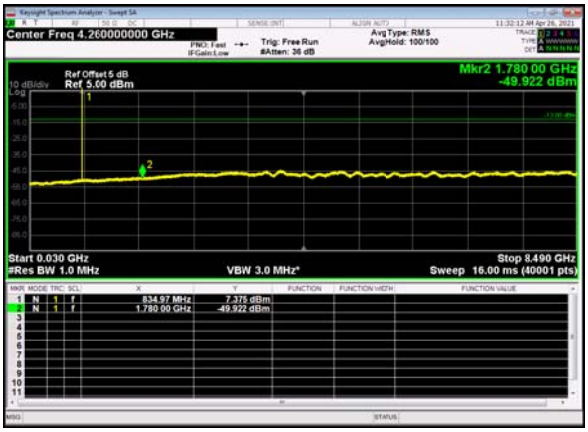
DC_66A_N5(15M)_DFT-s-OFDM_BPSK_ Edge_1RB_Left_Mid_CH



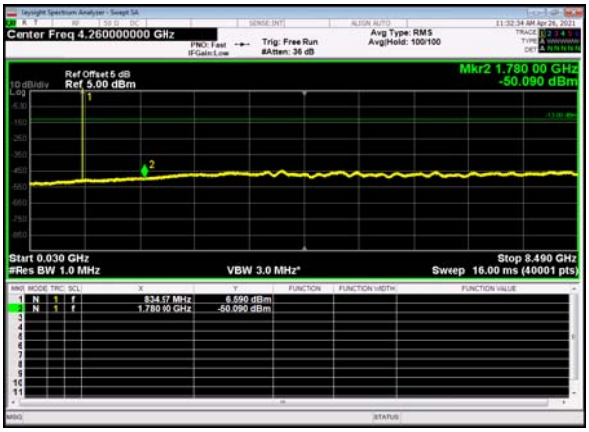
DC_66A_N5(15M)_DFT-s-OFDM_QPSK_ Edge_1RB_Left_Mid_CH



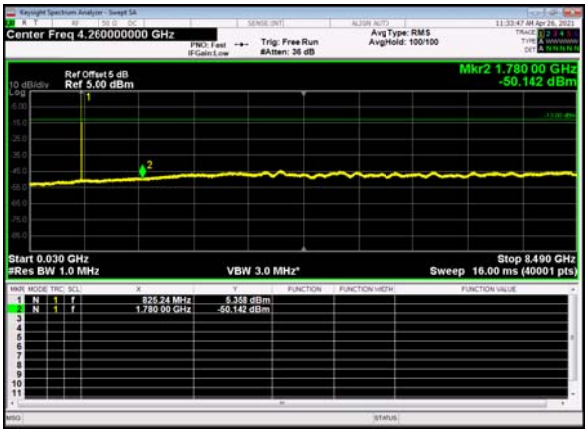
DC_66A_N5(15M)_DFT-s-OFDM_BPSK_ Edge_1RB_Left_High_CH



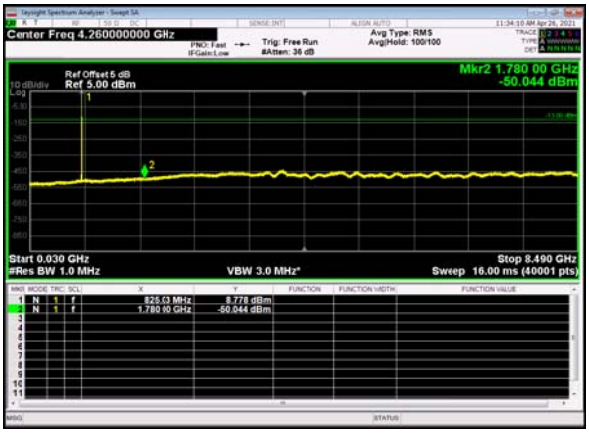
DC_66A_N5(15M)_DFT-s-OFDM_QPSK_ Edge_1RB_Left_High_CH



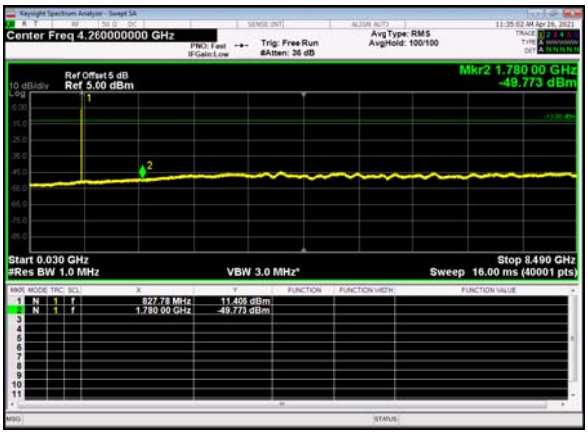
DC_66A_N5(20M)_DFT-s-OFDM_BPSK_ Edge_1RB_Left_Low_CH



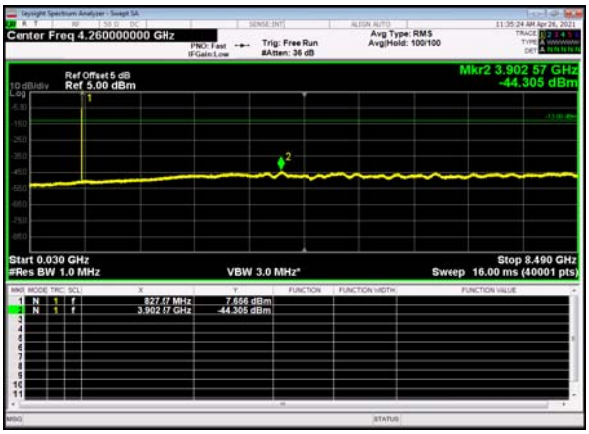
DC_66A_N5(20M)_DFT-s-OFDM_QPSK_ Edge_1RB_Left_Low_CH



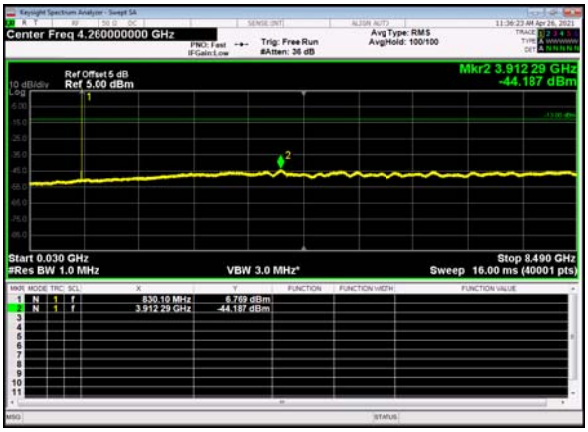
DC_66A_N5(20M)_DFT-s-OFDM_BPSK_ Edge_1RB_Left_Mid_CH



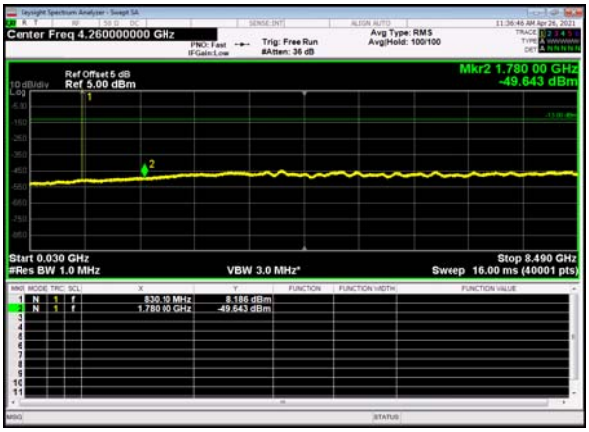
DC_66A_N5(20M)_DFT-s-OFDM_QPSK_ Edge_1RB_Left_Mid_CH

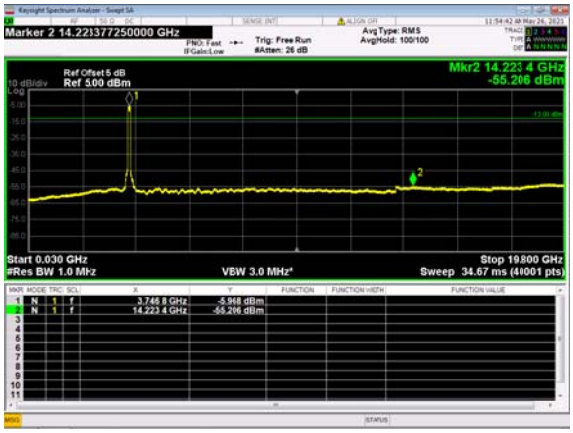
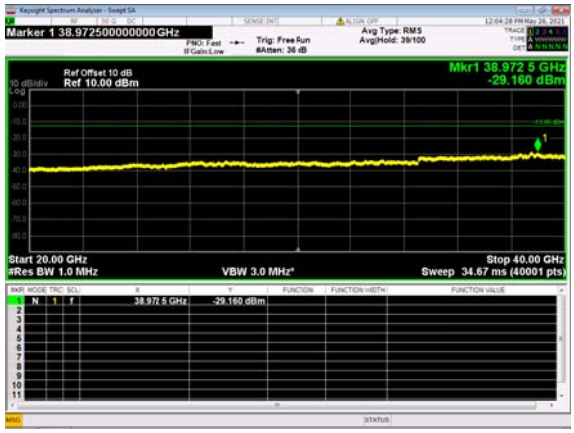
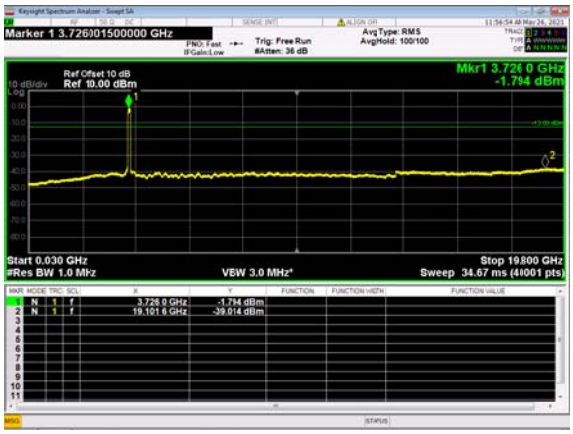
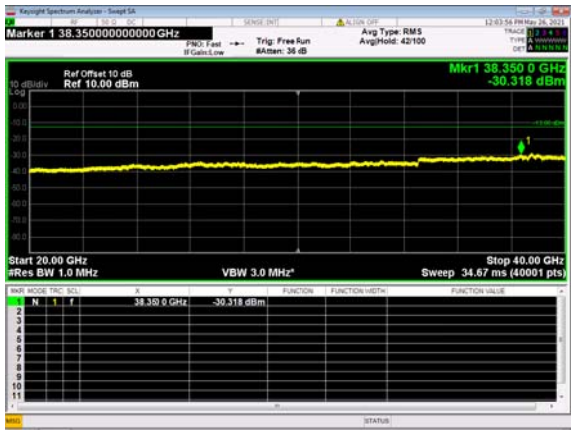
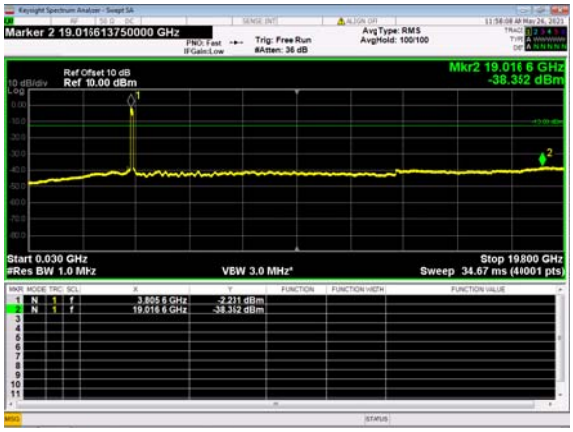
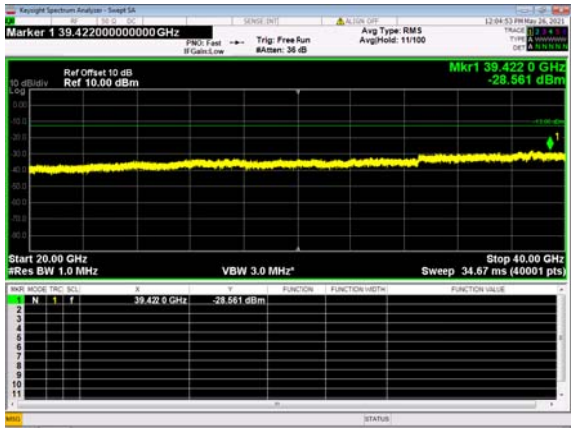


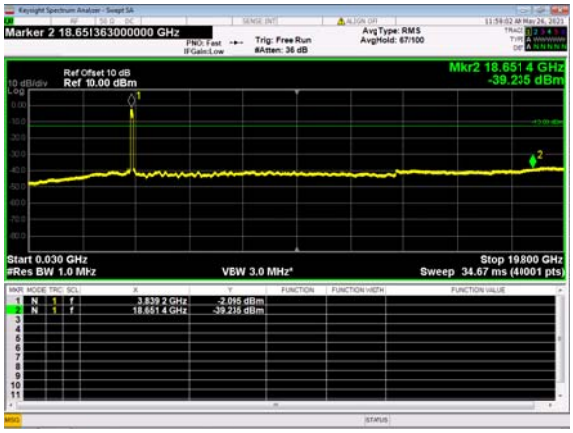
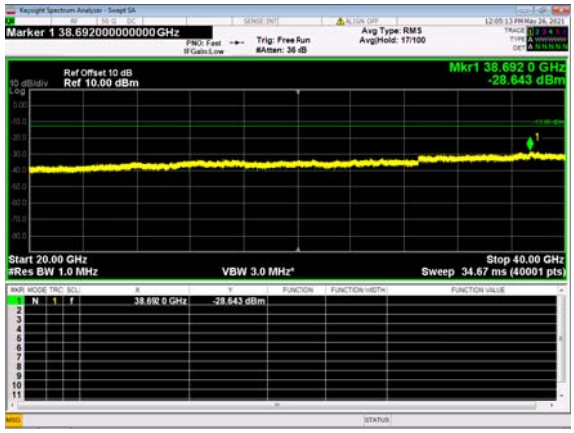
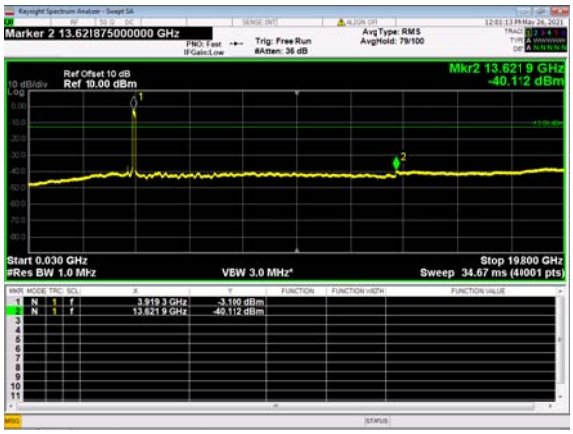
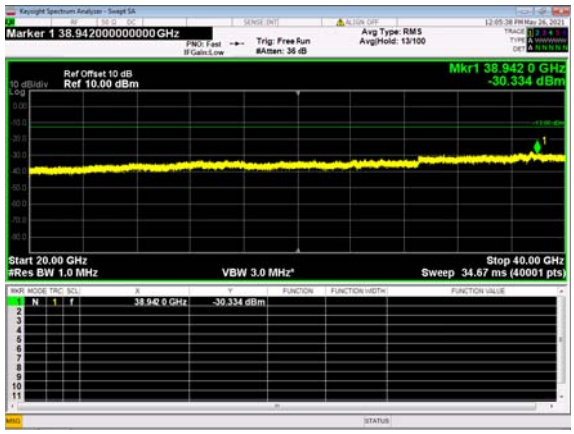
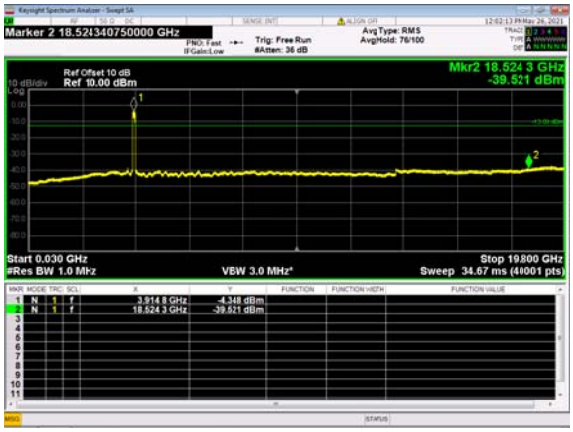
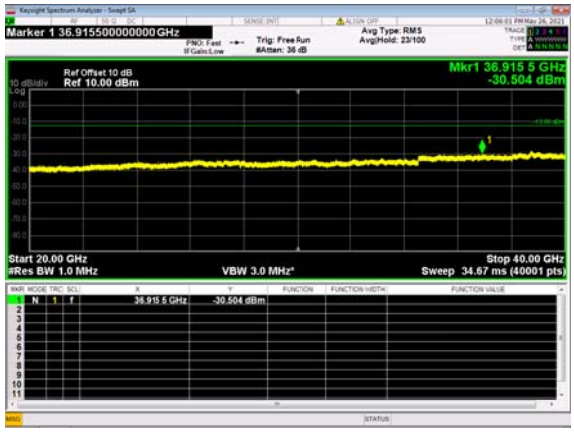
DC_66A_N5(20M)_DFT-s-OFDM_BPSK_ Edge_1RB_Left_High_CH



DC_66A_N5(20M)_DFT-s-OFDM_QPSK_ Edge_1RB_Left_High_CH



B13_N77(100M)_DFT-s-OFDM_BPSK_Edge_1 RB_Left_Low_CH	B13_N77(100M)_DFT-s-OFDM_BPSK_Edge_1 RB_Left_Low_CH
	
B13_N77(100M)_DFT-s-OFDM_QPSK_Edge_ 1RB_Left_Low_CH	B13_N77(100M)_DFT-s-OFDM_QPSK_Edge_ 1RB_Left_Low_CH
	
B13_N77(100M)_DFT-s-OFDM_BPSK_Edge_1 RB_Left_Mid_CH	B13_N77(100M)_DFT-s-OFDM_BPSK_Edge_1 RB_Left_Mid_CH
	

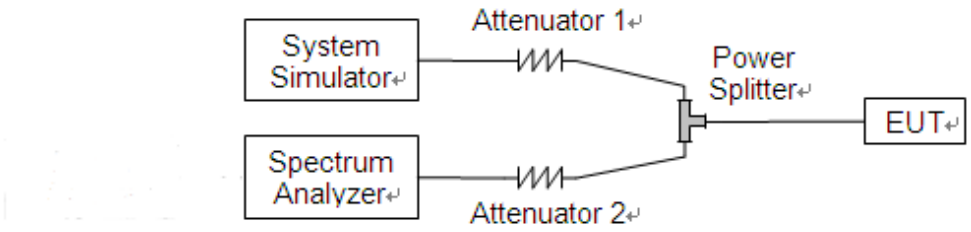
B13_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH	B13_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH
	
B13_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH	B13_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH
	
B13_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH	B13_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH
	

2.6. Band Edge

2.6.1. Requirement

According to FCC section 2.1051, section 27.53(h), section 27.53(g), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

2.6.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

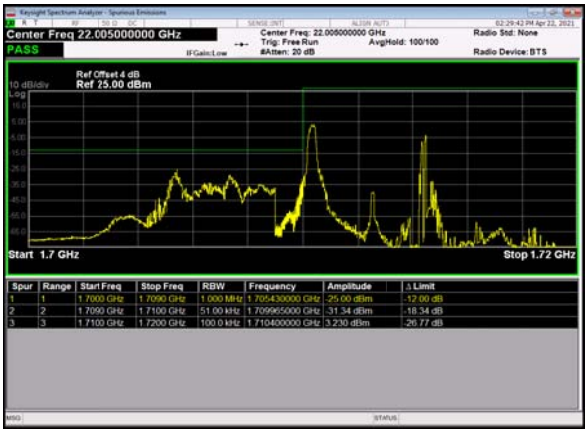
2.6.3. Test procedure

KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

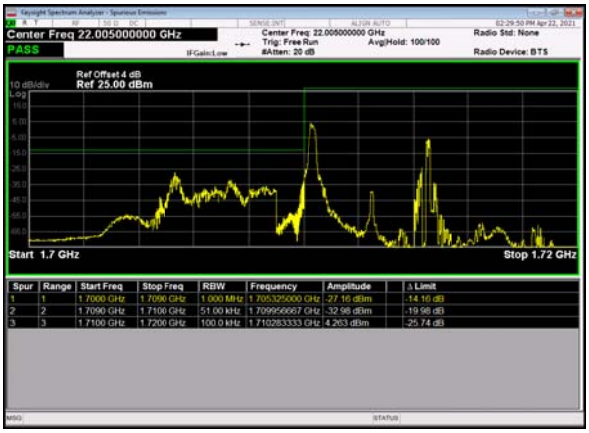
2.6.4. Test Result

The center frequency of spectrum is the band edge frequency and span is 2MHz, Record the max trace into the test report.

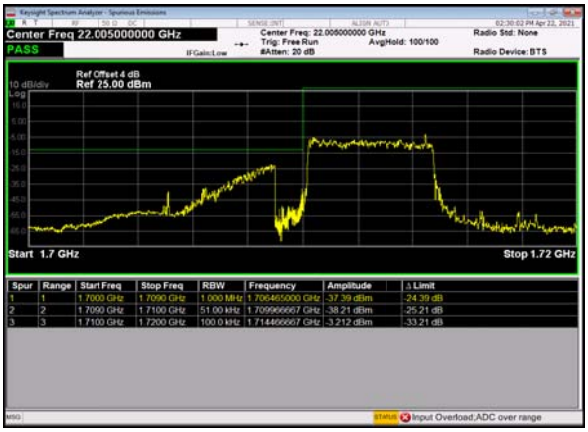
DC_13A_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



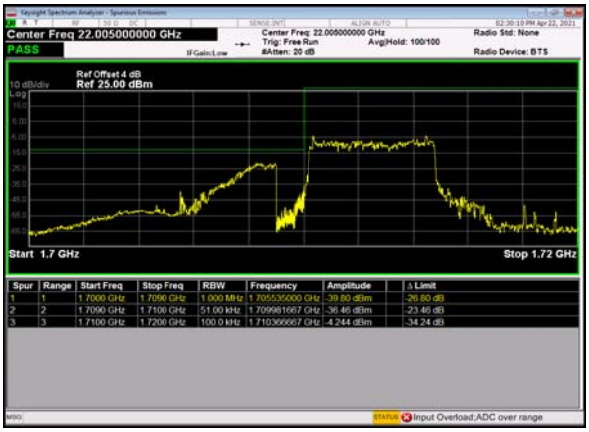
DC_13A_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



DC_13A_N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



DC_13A_N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



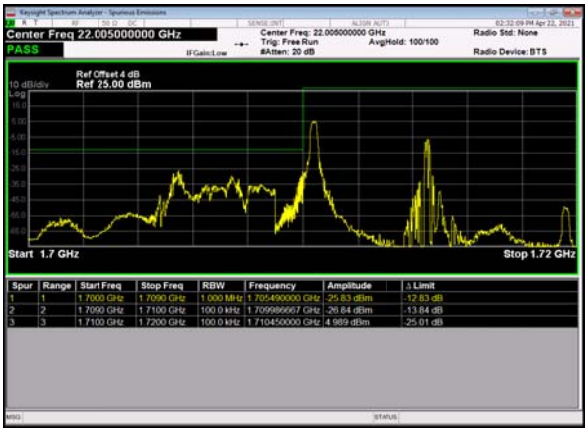
DC_13A_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

DC_13A_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

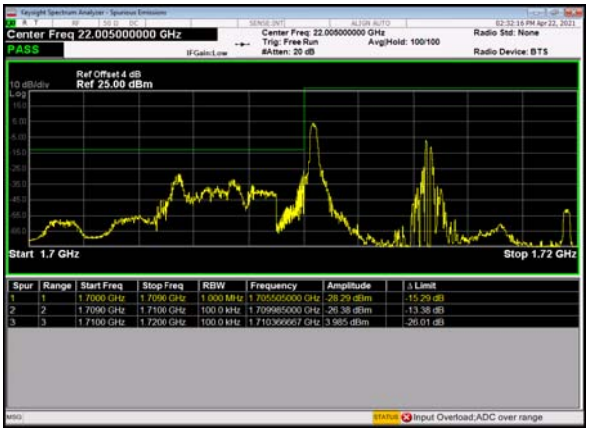
DC_13A_N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

DC_13A_N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

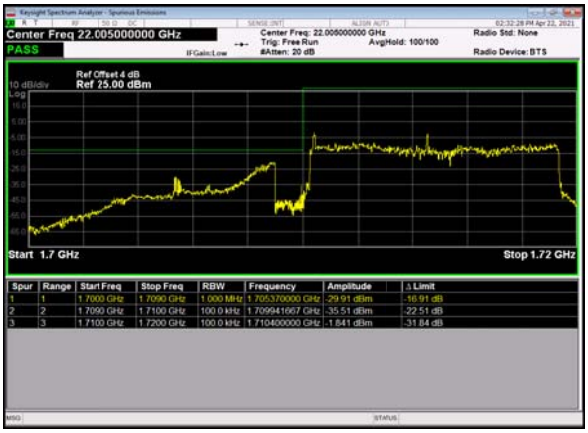
DC_13A_N66(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



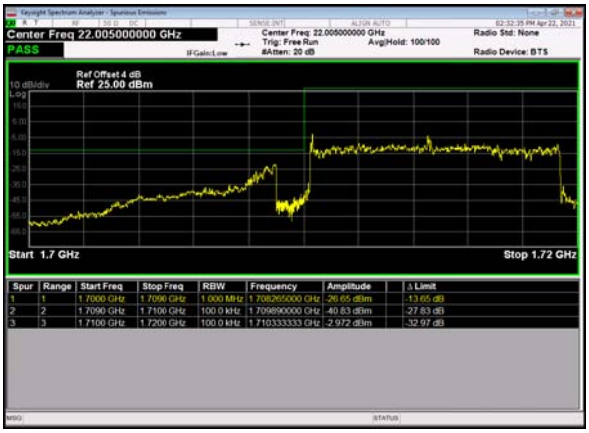
DC_13A_N66(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



DC_13A_N66(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



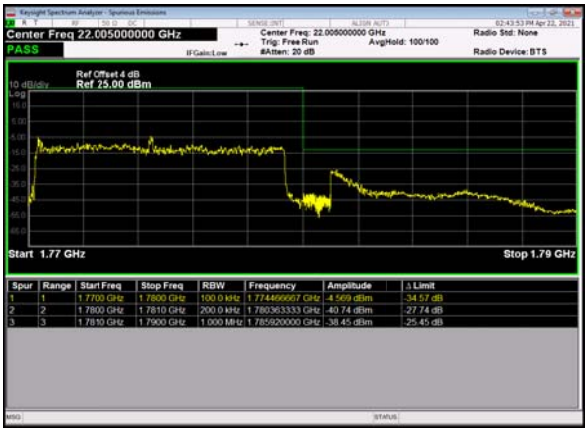
DC_13A_N66(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



DC_13A_N66(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

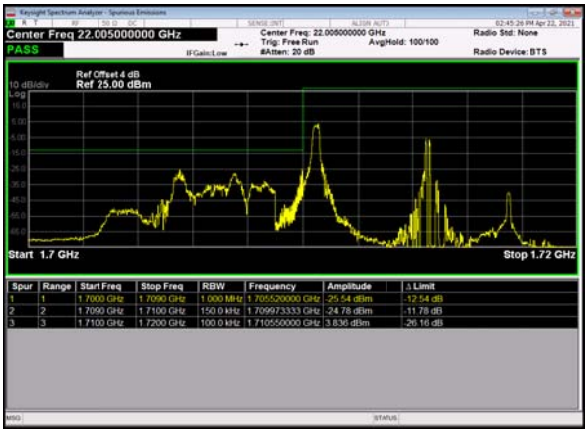
DC_13A_N66(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

DC_13A_N66(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

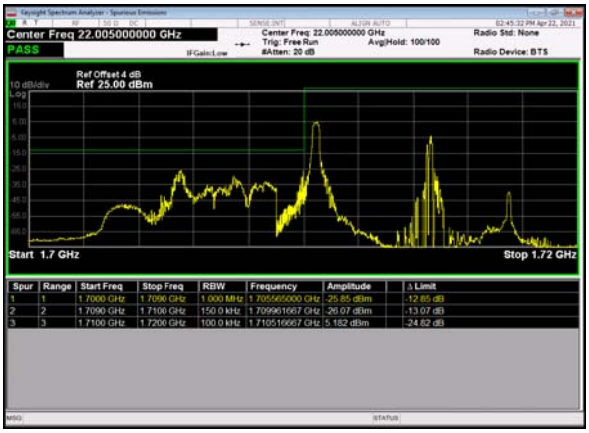


DC_13A_N66(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

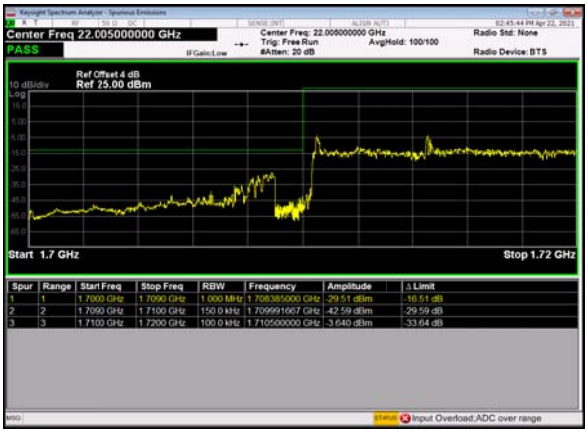
DC_13A_N66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



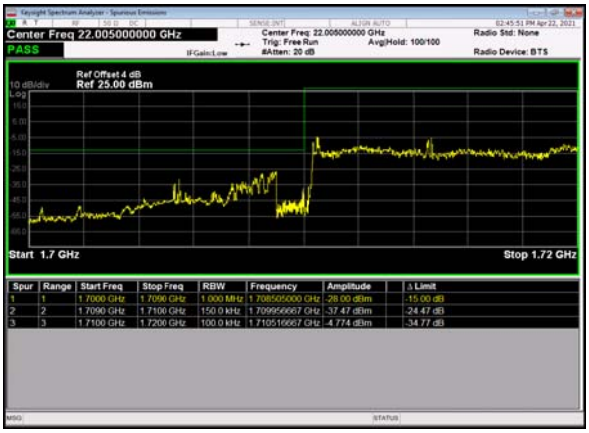
DC_13A_N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



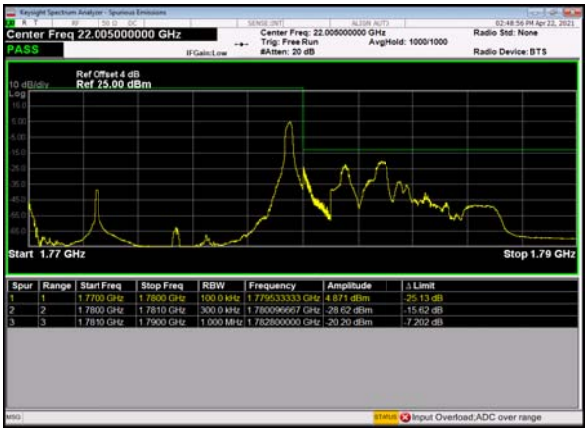
DC_13A_N66(15M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



DC_13A_N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

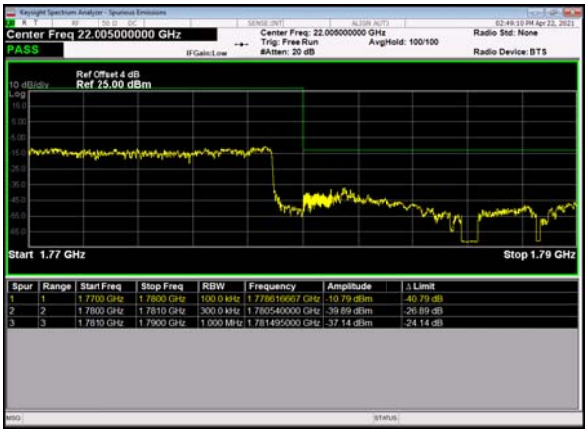


DC_13A_N66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

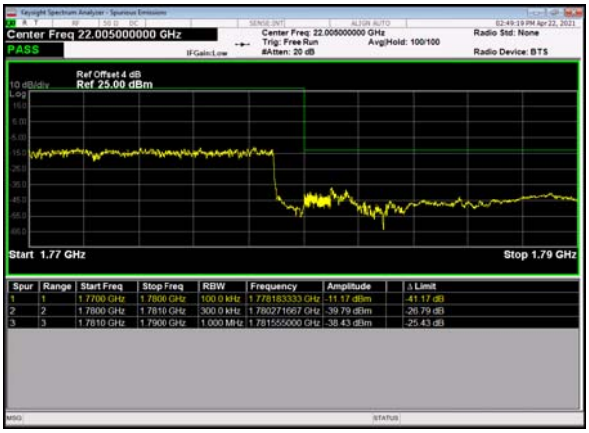


DC_13A_N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

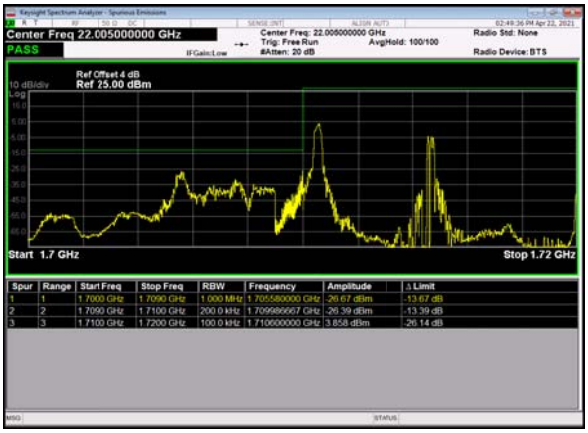
DC_13A_N66(15M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



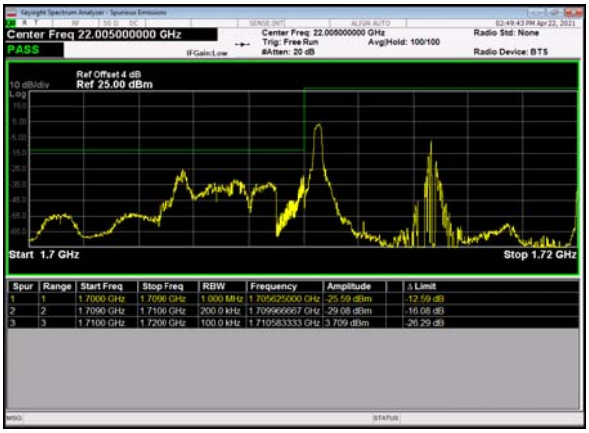
DC_13A_N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



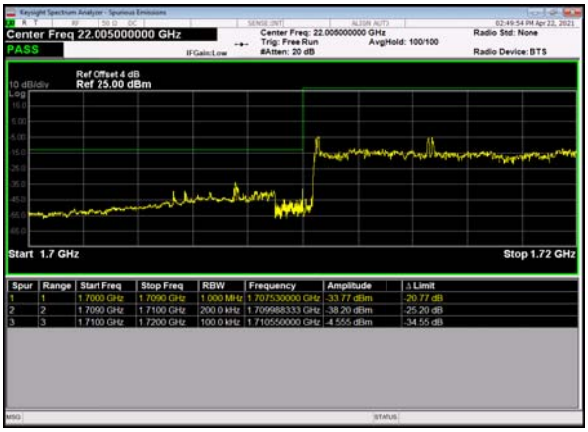
DC_13A_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



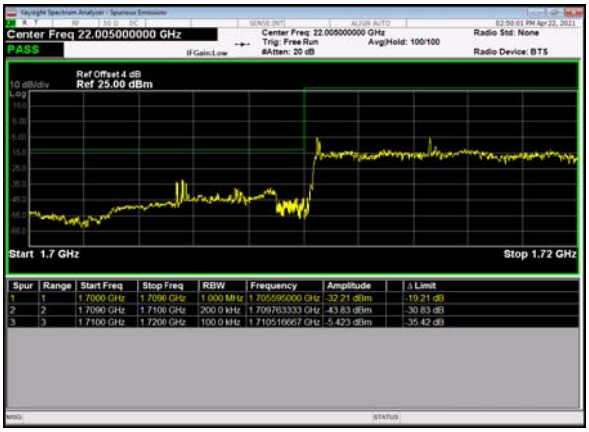
DC_13A_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



DC_13A_N66(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



DC_13A_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



DC_13A_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

DC_13A_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH