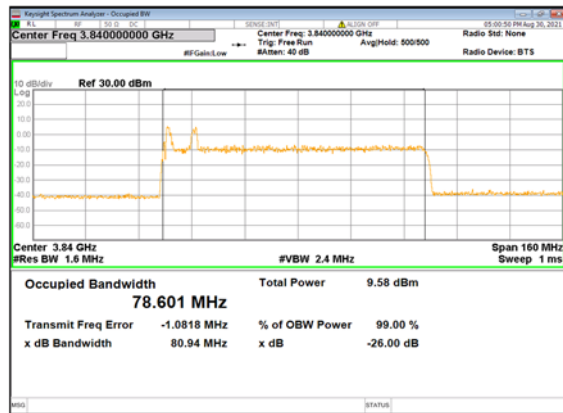
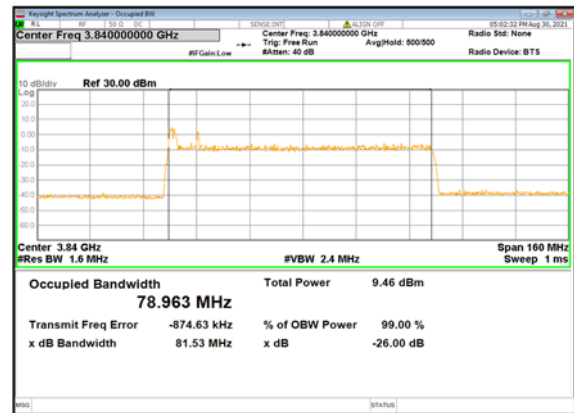
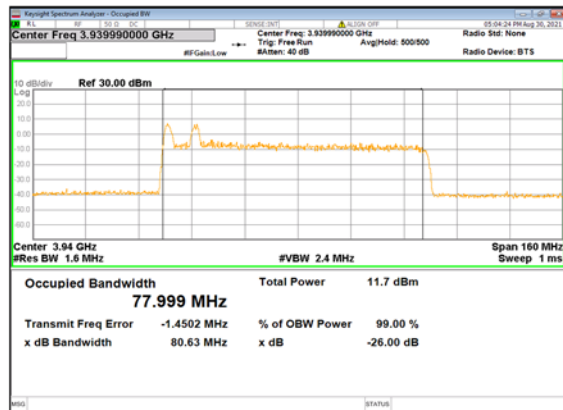
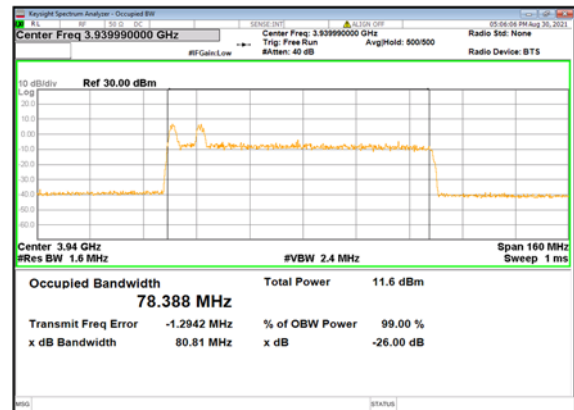
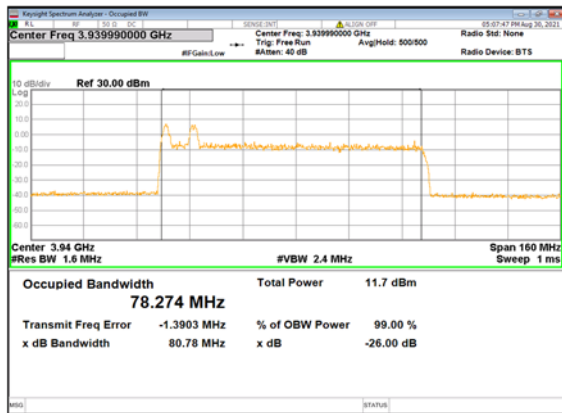
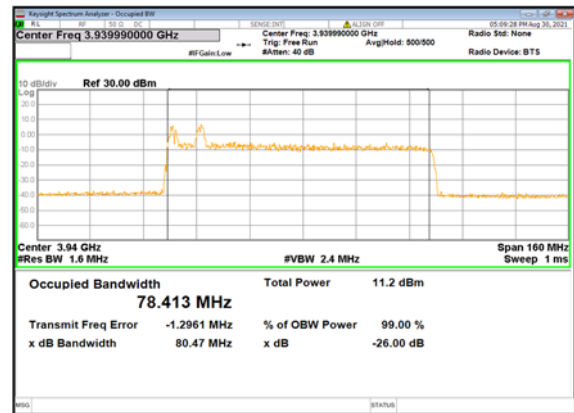
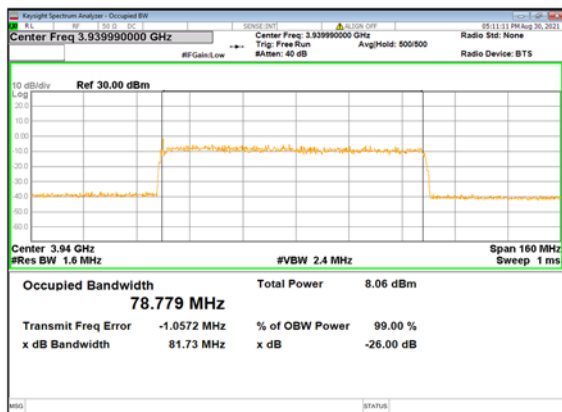
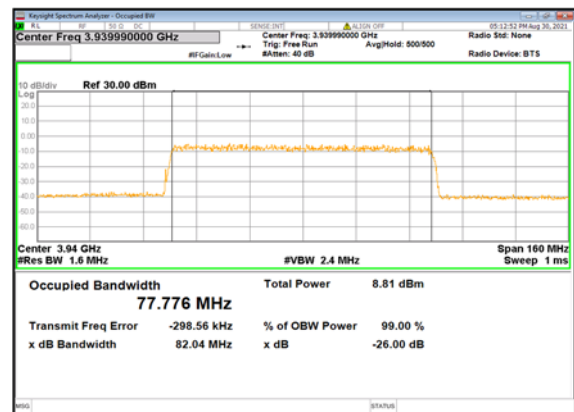
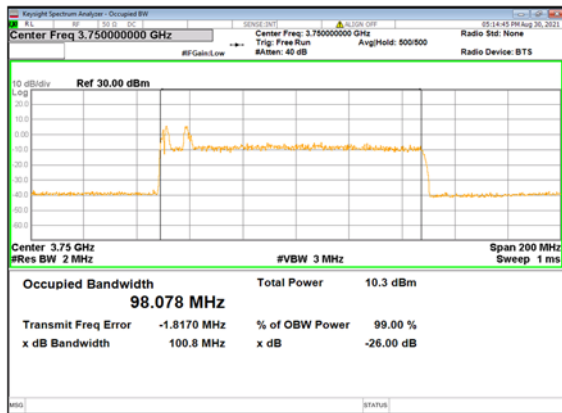
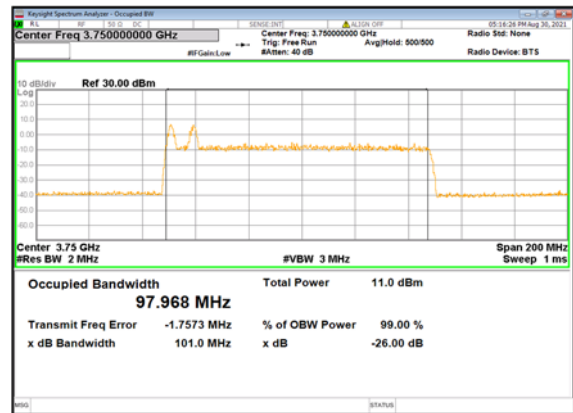
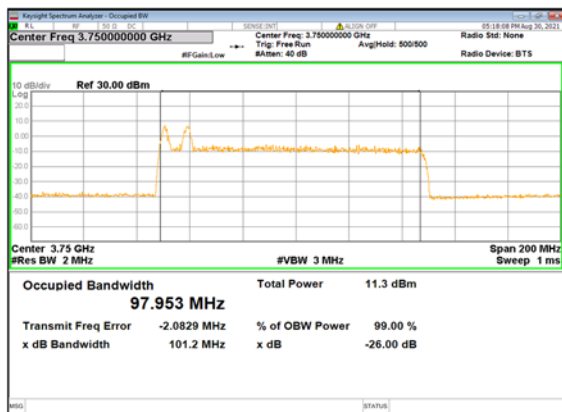
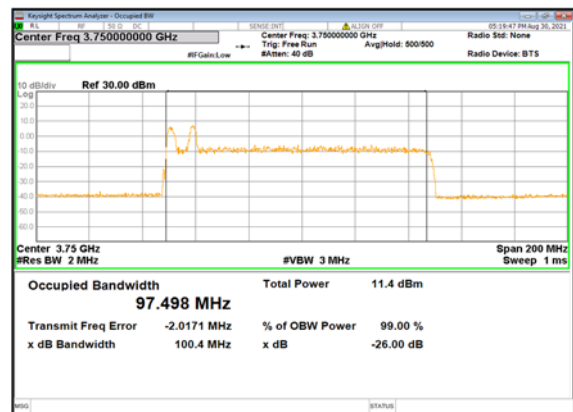
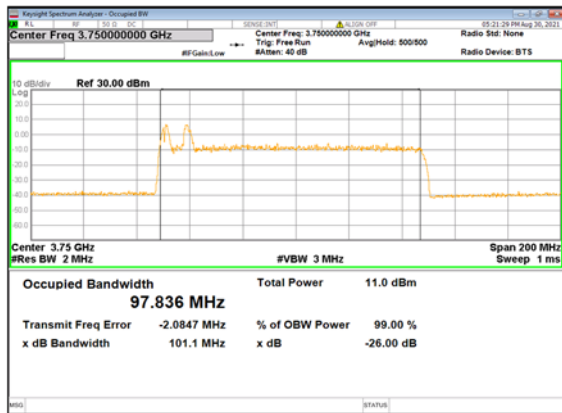
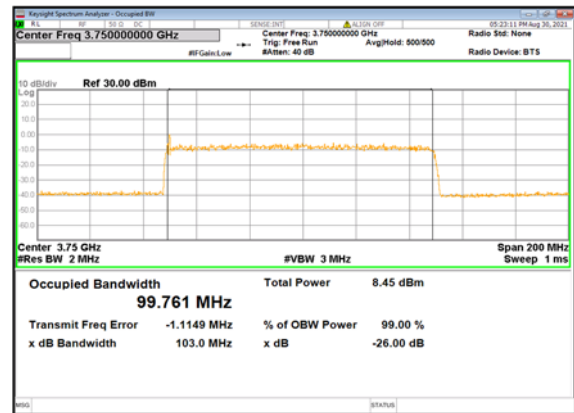
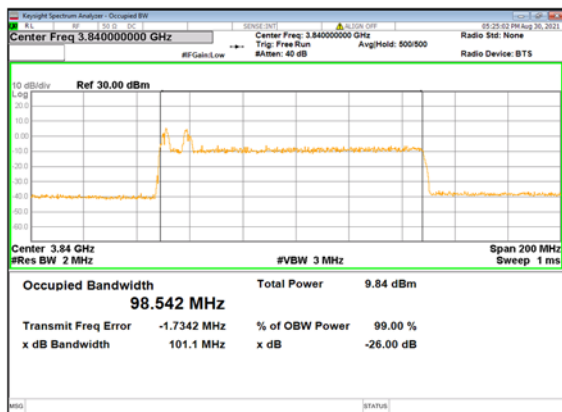
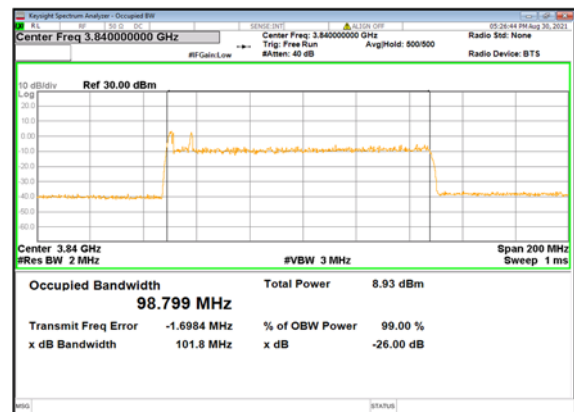
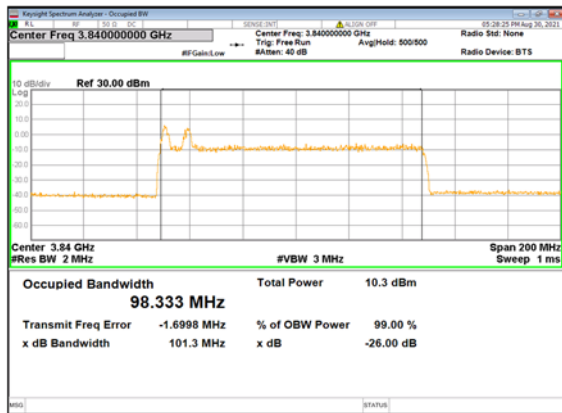
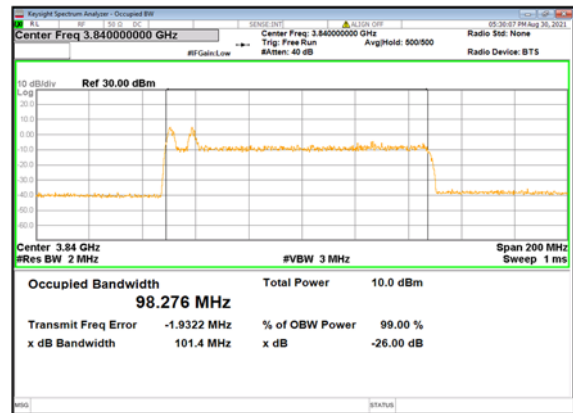
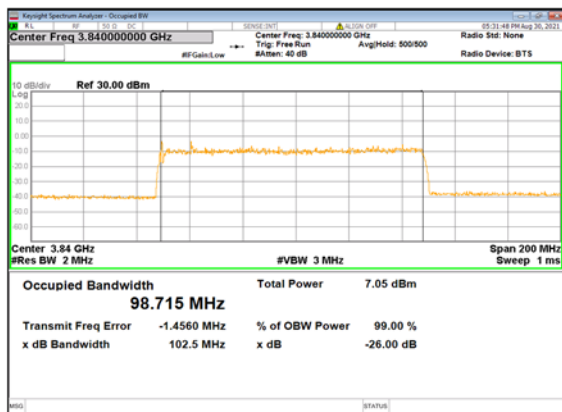
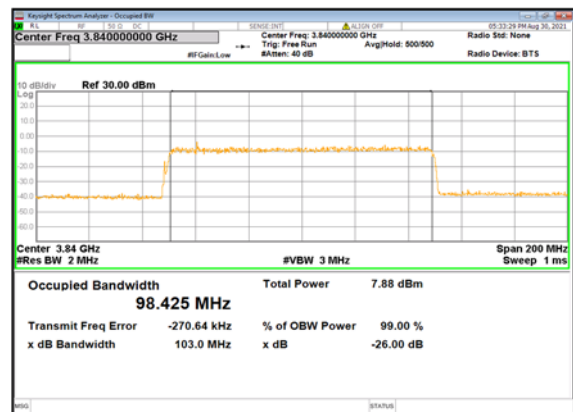


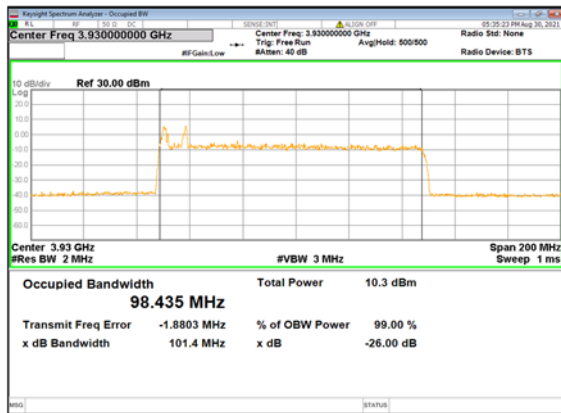
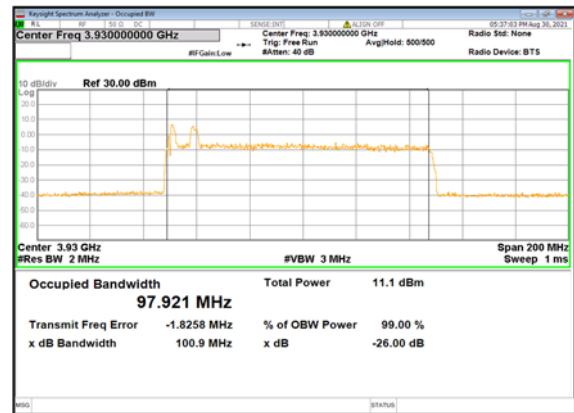
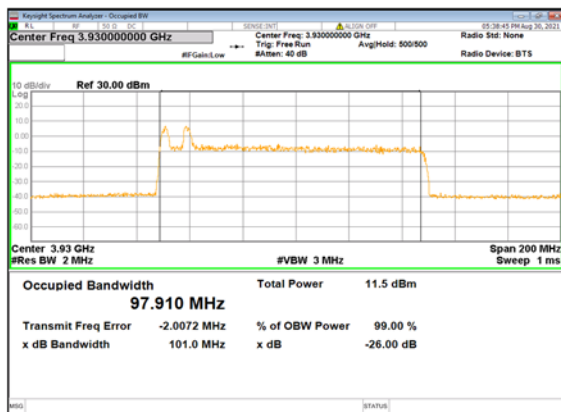
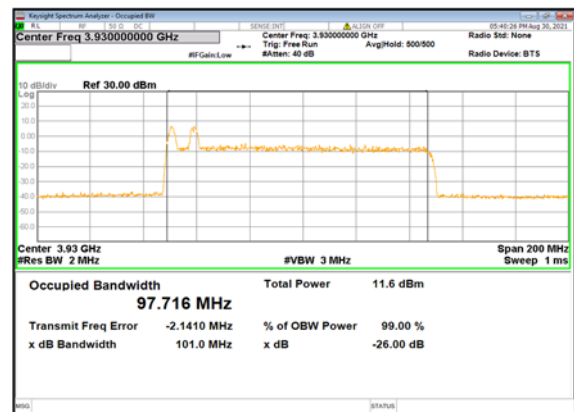
DC_13A_n77 (80M)_DFT-s-OFDM_
256QAM_Outer_Full_Mid_CHDC_13A_n77 (80M)_CP-OFDM_
QPSK_Outer_Full_Mid_CHDC_13A_n77 (80M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_High_CHDC_13A_n77 (80M)_DFT-s-OFDM_
QPSK_Outer_Full_High_CH

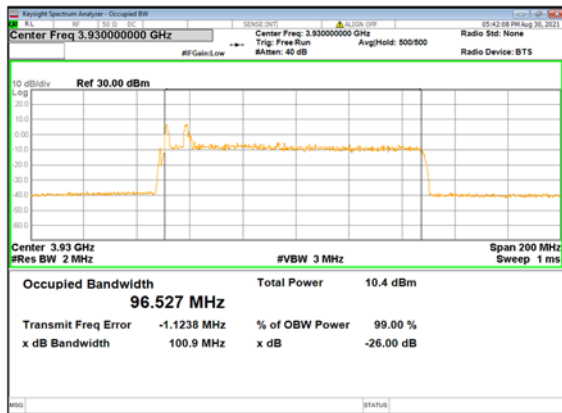
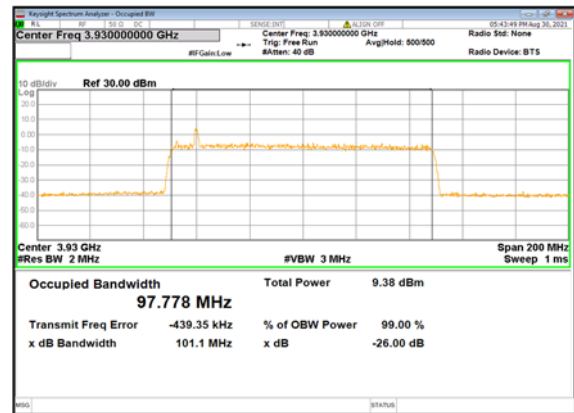
DC_13A_n77 (80M)_DFT-s-OFDM_
16QAM_Outer_Full_High_CHDC_13A_n77 (80M)_DFT-s-OFDM_
64QAM_Outer_Full_High_CHDC_13A_n77 (80M)_DFT-s-OFDM_
256QAM_Outer_Full_High_CHDC_13A_n77 (80M)_CP-OFDM_
QPSK_Outer_Full_High_CH

DC_13A_n77 (100M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Low_CHDC_13A_n77 (100M)_DFT-s-OFDM_
QPSK_Outer_Full_Low_CHDC_13A_n77 (100M)_DFT-s-OFDM_
16QAM_Outer_Full_Low_CHDC_13A_n77 (100M)_DFT-s-OFDM_
64QAM_Outer_Full_Low_CH

DC_13A_n77 (100M)_DFT-s-OFDM_
256QAM_Outer_Full_Low_CHDC_13A_n77 (100M)_CP-OFDM_
QPSK_Outer_Full_Low_CHDC_13A_n77 (100M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Mid_CHDC_13A_n77 (100M)_DFT-s-OFDM_
QPSK_Outer_Full_Mid_CH

DC_13A_n77 (100M)_DFT-s-OFDM_
16QAM_Outer_Full_Mid_CHDC_13A_n77 (100M)_DFT-s-OFDM_
64QAM_Outer_Full_Mid_CHDC_13A_n77 (100M)_DFT-s-OFDM_
256QAM_Outer_Full_Mid_CHDC_13A_n77 (100M)_CP-OFDM_
QPSK_Outer_Full_Mid_CH

DC_13A_n77 (100M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_High_CHDC_13A_n77 (100M)_DFT-s-OFDM_
QPSK_Outer_Full_High_CHDC_13A_n77 (100M)_DFT-s-OFDM_
16QAM_Outer_Full_High_CHDC_13A_n77 (100M)_DFT-s-OFDM_
64QAM_Outer_Full_High_CH

DC_13A_n77 (100M)_DFT-s-OFDM_
256QAM_Outer_Full_High_CHDC_13A_n77 (100M)_CP-OFDM_
QPSK_Outer_Full_High_CH

2.3. Frequency Stability

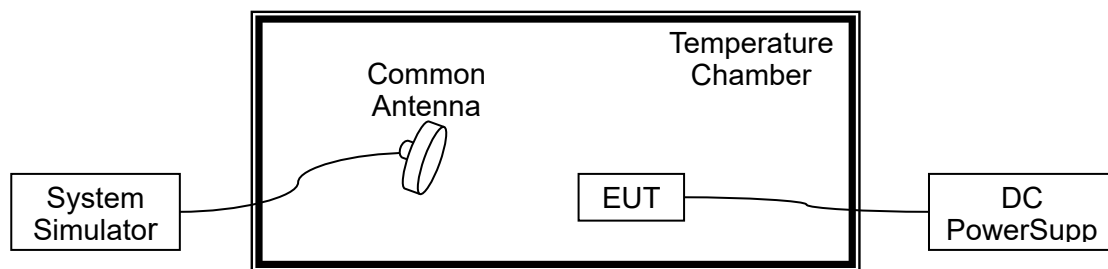
2.3.1. Requirement

According to FCC section 2.1055, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (a) The temperature is varied from -30°C to $+50^{\circ}\text{C}$ at intervals of not more than 10°C .
- (b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

Note: The operating temperature of EUT is from 0°C to 40°C , which are specified by the applicant.

2.3.2. Test Description



The EUT which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power. A call is established between the EUT and the SS via a Common Antenna.

2.3.3. Test procedure

KDB 971168 D01v03 Section 9.0 and ANSI/TIA-603-E-2016.

2.3.4. Test Result

The nominal, highest and lowest extreme voltages are separately 3.85VDC, 4.40VDC and 3.55VDC, which are specified by the applicant; the normal temperature here used is 20°C .



Note: In the same NR frequency band, The measured power in SA mode is higher than that in NSA mode, SA mode is selected to test all test cases.

NR n2, QPSK, Channel 376000, SCS 15kHz, Frequency 1880MHz Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20 (Ref)	18	0.010	PASS
Normal		-10	-20	-0.011	
Normal		0	23	0.012	
Normal		+10	-14	-0.007	
Normal		+20	-18	-0.010	
Normal		+30	25	0.013	
Normal		+40	40	0.021	
Normal		+50	-15	-0.008	
Normal		+55	28	0.015	
High	4.4	+20	20	0.011	
BATT.ENDPOINT	3.55	+20	32	0.017	

NR n66, QPSK, Channel 349000, SCS 15kHz, Frequency 1745MHz Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20 (Ref)	-14	-0.008	PASS
Normal		-10	26	0.015	
Normal		0	-18	-0.010	
Normal		+10	48	0.028	
Normal		+20	-21	-0.012	
Normal		+30	34	0.019	
Normal		+40	24	0.014	
Normal		+50	29	0.017	
Normal		+55	35	0.020	
High	4.4	+20	40	0.023	
BATT.ENDPOINT	3.55	+20	25	0.014	



NR n71, QPSK, Channel 136100, SCS 15kHz, Frequency 680.5MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20 (Ref)	33	0.048	PASS
Normal		-10	36	0.053	
Normal		0	21	0.031	
Normal		+10	37	0.054	
Normal		+20	28	0.041	
Normal		+30	28	0.041	
Normal		+40	17	0.025	
Normal		+50	45	0.066	
Normal		+55	-29	-0.043	
High	4.4	+20	27	0.040	
BATT.ENDPOINT	3.55	+20	16	0.024	

NR n77, QPSK, Channel 650000, SCS 30kHz, Frequency 3750MHz Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20 (Ref)	26	0.007	PASS
Normal		-10	45	0.012	
Normal		0	29	0.008	
Normal		+10	-17	-0.005	
Normal		+20	-19	-0.005	
Normal		+30	48	0.013	
Normal		+40	18	0.005	
Normal		+50	-19	-0.005	
Normal		+55	20	0.005	
High	4.4	+20	-27	-0.007	
BATT.ENDPOINT	3.55	+20	18	0.005	

2.4. Peak to Average Ratio

2.4.1. Requirement

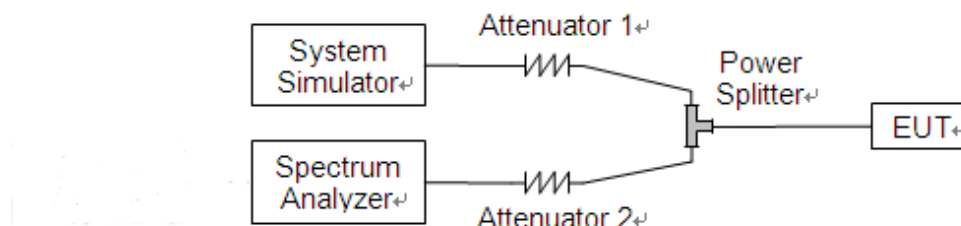
According to FCC section 24.232(d), the peak to average ratio (PAR) of the transmission may not exceed 13dB.

According to FCC section 27.50(d)(5), the peak to average ratio (PAR) of the transmission may not exceed 13dB.

According to FCC section 27.50(j)(4) for n77, In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

2.4.2. Test Description

Test Set:



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.

2.4.3. Test procedure

KDB 971168 D01v03 Section 5.7 and ANSI/TIA-603-E-2016.

2.4.4. Test Result

Record the maximum PAPR level associated with a probability of 0.1%.



Note: In the same NR frequency band, The measured power in SA mode is higher than that in NSA mode, SA mode is selected to test all test cases.

n2					
BW(MHz)	Channel Level	Modulation	Peak to Average Radio(dB)	Limit (dB)	Verdict
5	Low	BPSK	4.73	<=13	PASS
5	Low	QPSK	5.61	<=13	PASS
5	Mid	BPSK	4.59	<=13	PASS
5	Mid	QPSK	5.61	<=13	PASS
5	High	BPSK	4.68	<=13	PASS
5	High	QPSK	5.18	<=13	PASS
10	Low	BPSK	4.61	<=13	PASS
10	Low	QPSK	5.82	<=13	PASS
10	Mid	BPSK	4.63	<=13	PASS
10	Mid	QPSK	5.37	<=13	PASS
10	High	BPSK	4.57	<=13	PASS
10	High	QPSK	4.68	<=13	PASS
15	Low	BPSK	4.16	<=13	PASS
15	Low	QPSK	4.64	<=13	PASS
15	Mid	BPSK	4.82	<=13	PASS
15	Mid	QPSK	5.38	<=13	PASS
15	High	BPSK	4.35	<=13	PASS
15	High	QPSK	4.68	<=13	PASS
20	Low	BPSK	4.78	<=13	PASS
20	Low	QPSK	5.25	<=13	PASS
20	Mid	BPSK	4.71	<=13	PASS
20	Mid	QPSK	5.24	<=13	PASS
20	High	BPSK	5.21	<=13	PASS
20	High	QPSK	5.36	<=13	PASS



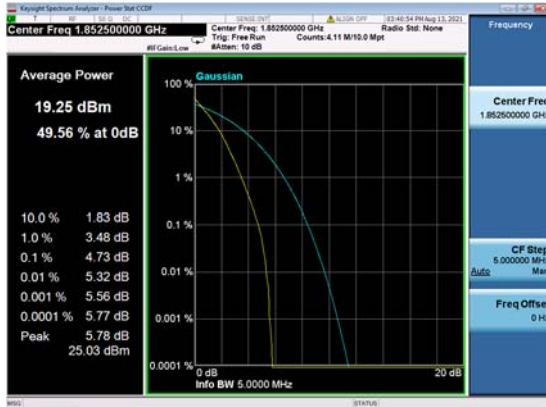
n66					
BW(MHz)	Channel Level	Modulation	Peak to Average Radio(dB)	Limit (dB)	Verdict
5	Low	BPSK	4.56	<=13	PASS
5	Low	QPSK	5.48	<=13	PASS
5	Mid	BPSK	4.64	<=13	PASS
5	Mid	QPSK	5.62	<=13	PASS
5	High	BPSK	4.62	<=13	PASS
5	High	QPSK	5.56	<=13	PASS
10	Low	BPSK	4.66	<=13	PASS
10	Low	QPSK	5.56	<=13	PASS
10	Mid	BPSK	4.72	<=13	PASS
10	Mid	QPSK	5.81	<=13	PASS
10	High	BPSK	4.59	<=13	PASS
10	High	QPSK	5.59	<=13	PASS
15	Low	BPSK	4.76	<=13	PASS
15	Low	QPSK	5.61	<=13	PASS
15	Mid	BPSK	4.79	<=13	PASS
15	Mid	QPSK	5.64	<=13	PASS
15	High	BPSK	4.79	<=13	PASS
15	High	QPSK	5.63	<=13	PASS
20	Low	BPSK	4.67	<=13	PASS
20	Low	QPSK	5.46	<=13	PASS
20	Mid	BPSK	4.83	<=13	PASS
20	Mid	QPSK	5.67	<=13	PASS
20	High	BPSK	4.82	<=13	PASS
20	High	QPSK	5.51	<=13	PASS



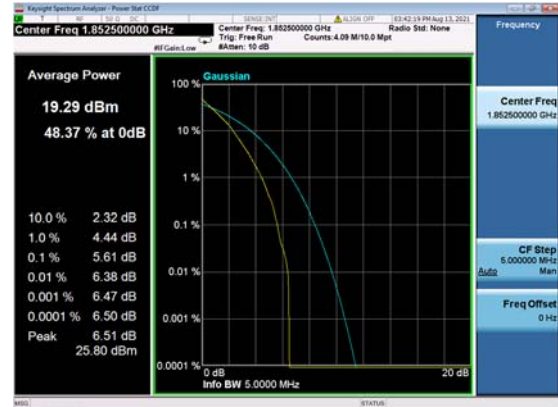
DC_13A_n77					
BW(MHz)	Channel Level	Modulation	Peak to Average Radio(dB)	Limit (dB)	Verdict
30	Low	BPSK	11.93	<=13	PASS
30	Low	QPSK	10.84	<=13	PASS
30	Mid	BPSK	11.00	<=13	PASS
30	Mid	QPSK	12.07	<=13	PASS
30	High	BPSK	10.84	<=13	PASS
30	High	QPSK	11.67	<=13	PASS
40	Low	BPSK	9.88	<=13	PASS
40	Low	QPSK	11.11	<=13	PASS
40	Mid	BPSK	10.90	<=13	PASS
40	Mid	QPSK	11.27	<=13	PASS
40	High	BPSK	10.30	<=13	PASS
40	High	QPSK	10.68	<=13	PASS
60	Low	BPSK	9.42	<=13	PASS
60	Low	QPSK	11.85	<=13	PASS
60	Mid	BPSK	10.59	<=13	PASS
60	Mid	QPSK	10.98	<=13	PASS
60	High	BPSK	9.58	<=13	PASS
60	High	QPSK	11.79	<=13	PASS
80	Low	BPSK	11.82	<=13	PASS
80	Low	QPSK	11.74	<=13	PASS
80	Mid	BPSK	9.91	<=13	PASS
80	Mid	QPSK	11.68	<=13	PASS
80	High	BPSK	10.10	<=13	PASS
80	High	QPSK	11.58	<=13	PASS
100	Low	BPSK	10.07	<=13	PASS
100	Low	QPSK	11.08	<=13	PASS
100	Mid	BPSK	10.41	<=13	PASS
100	Mid	QPSK	10.55	<=13	PASS
100	High	BPSK	10.22	<=13	PASS
100	High	QPSK	12.05	<=13	PASS



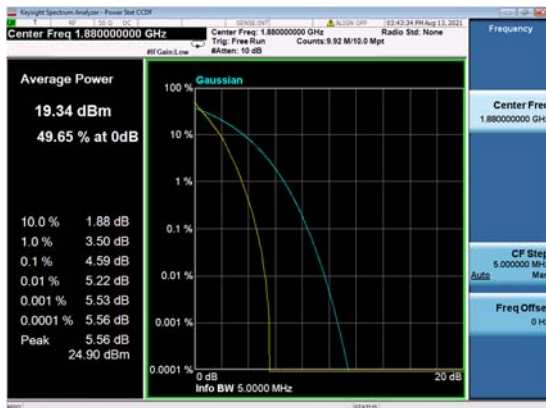
n2(5M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Low_CH



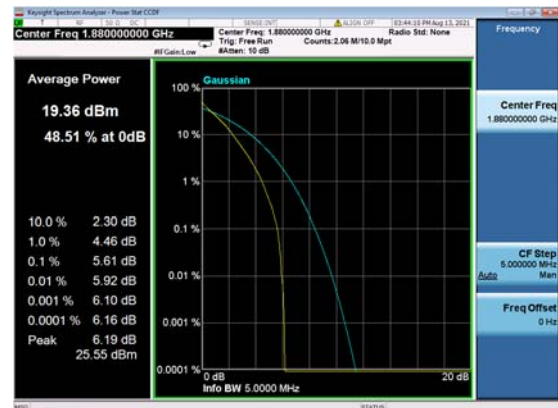
n2(5M)_DFT-s-OFDM_
QPSK_Outer_Full_Low_CH



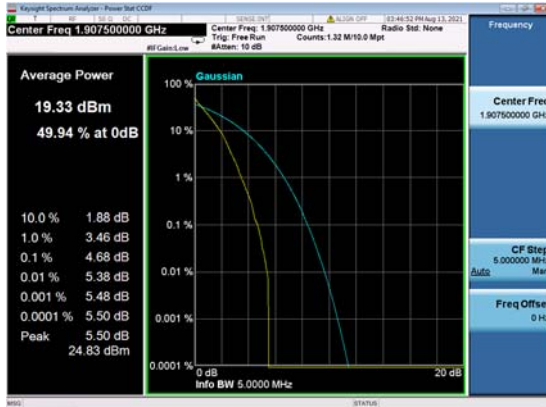
n2(5M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Mid_CH



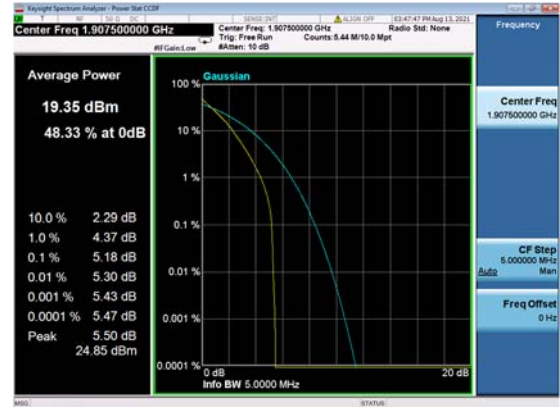
n2(5M)_DFT-s-OFDM_
QPSK_Outer_Full_Mid_CH



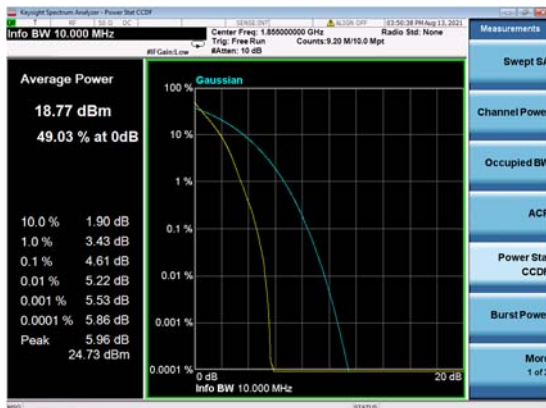
n2(5M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_High_CH



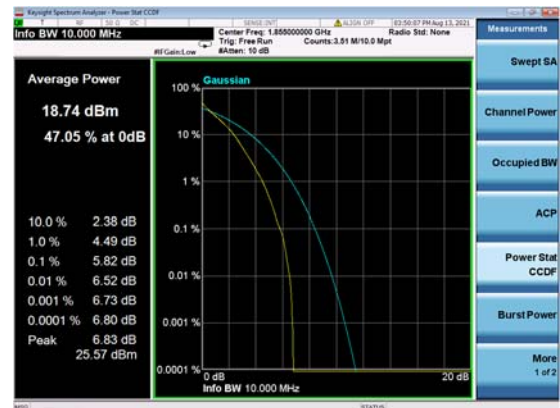
n2(5M)_DFT-s-OFDM_
QPSK_Outer_Full_High_CH



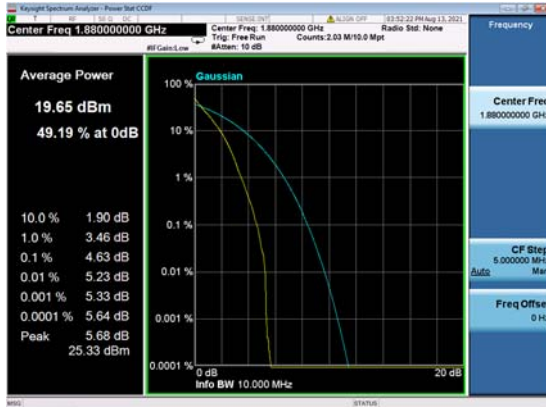
n2(10M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Low_CH



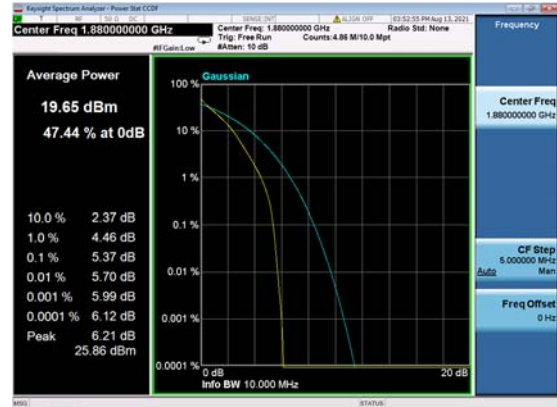
n2(10M)_DFT-s-OFDM_
QPSK_Outer_Full_Low_CH



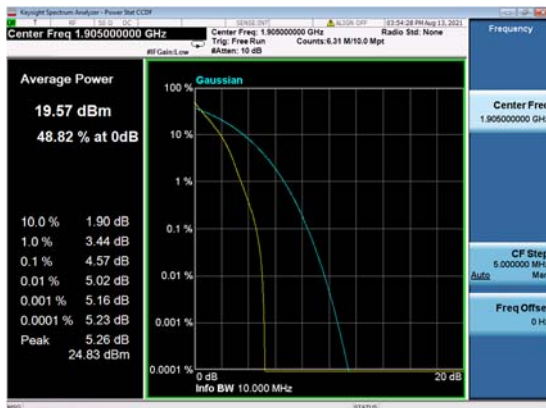
n2(10M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Mid_CH



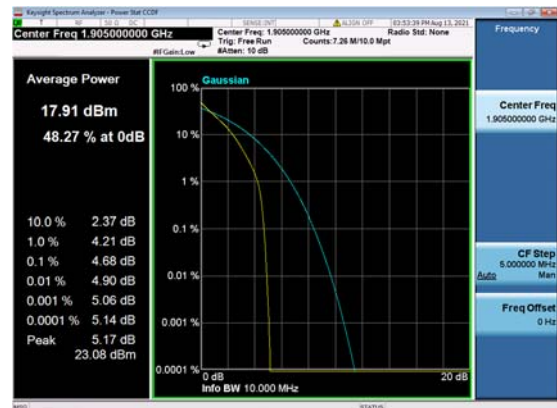
n2(10M)_DFT-s-OFDM_
QPSK_Outer_Full_Mid_CH



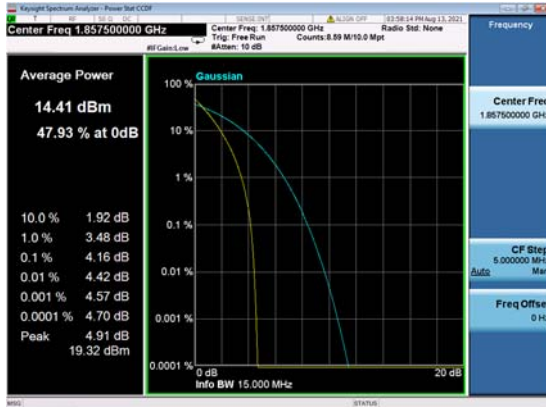
n2(10M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_High_CH



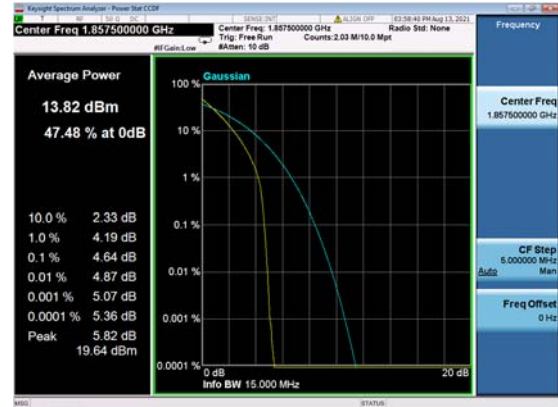
n2(10M)_DFT-s-OFDM_
QPSK_Outer_Full_High_CH



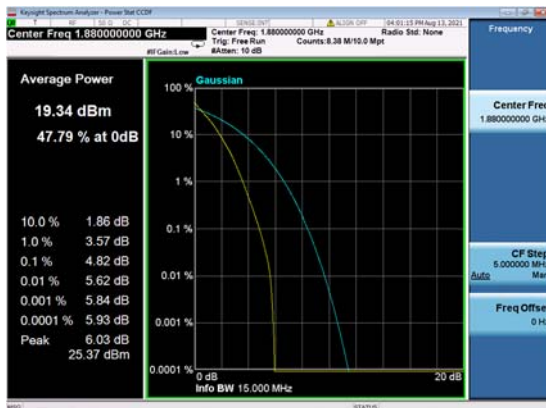
n2(15M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Low_CH



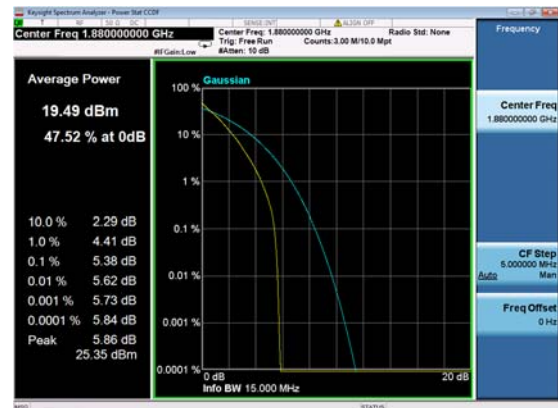
n2(15M)_DFT-s-OFDM_
QPSK_Outer_Full_Low_CH



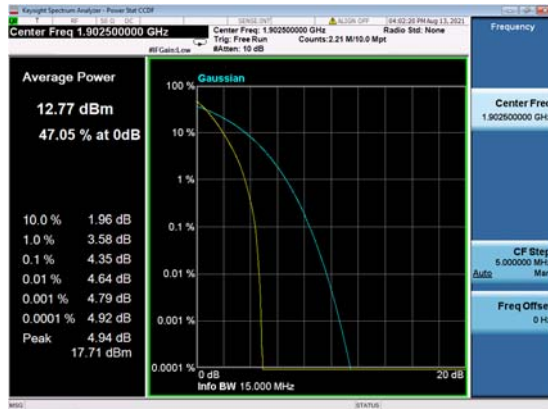
n2(15M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Mid_CH



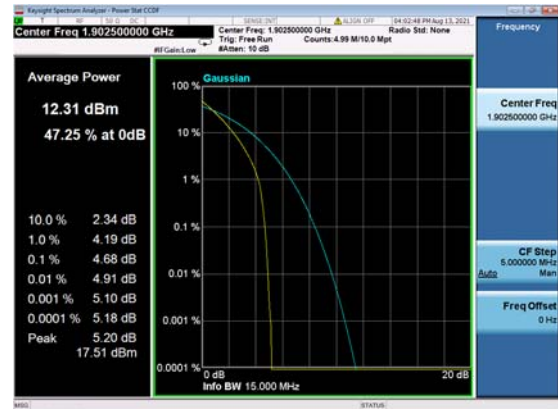
n2(15M)_DFT-s-OFDM_
QPSK_Outer_Full_Mid_CH



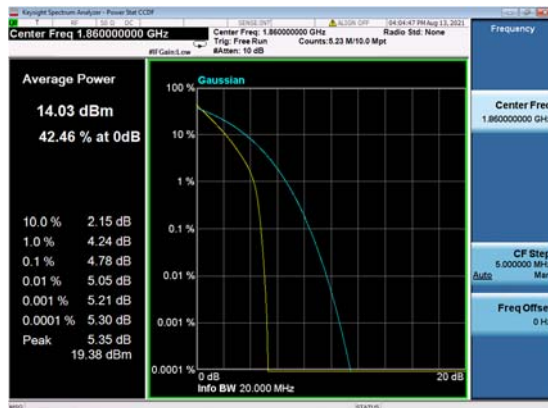
n2(15M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_High_CH



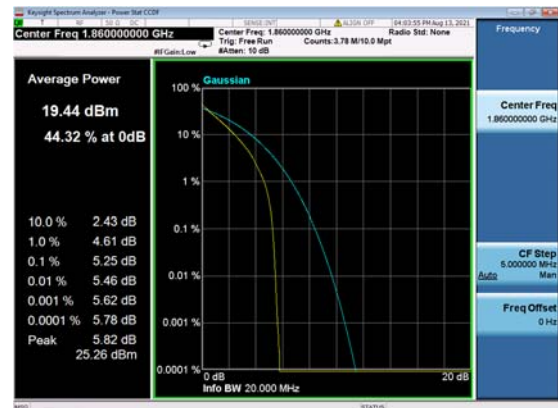
n2(15M)_DFT-s-OFDM_
QPSK_Outer_Full_High_CH



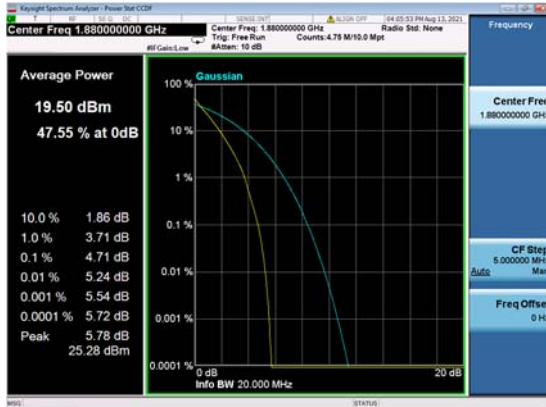
n2(20M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Low_CH



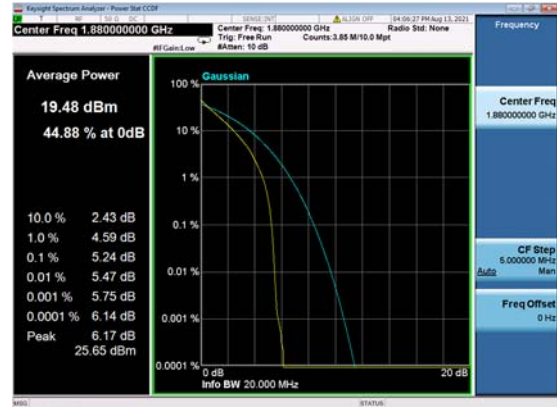
n2(20M)_DFT-s-OFDM_
QPSK_Outer_Full_Low_CH



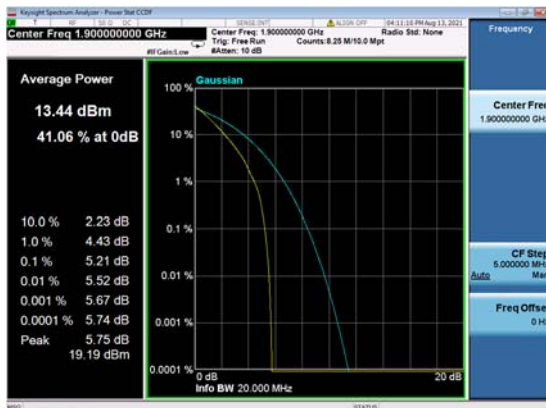
n2(20M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Mid_CH



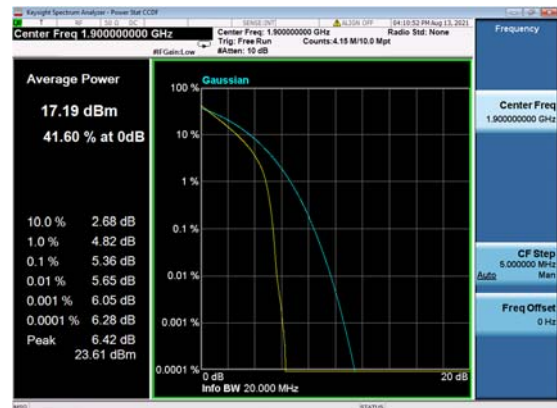
n2(20M)_DFT-s-OFDM_
QPSK_Outer_Full_Mid_CH



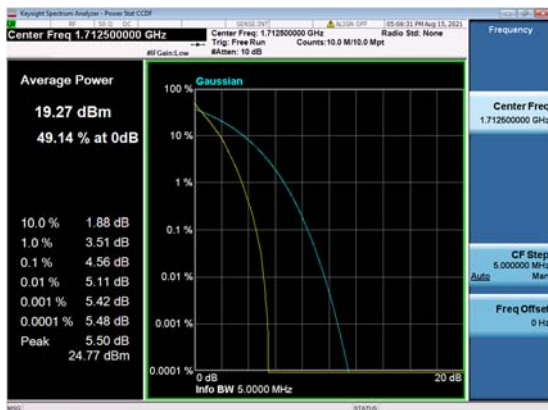
n2(20M)_DFT-s-OFDM_
PI/2 BPSK_OuterFull_High_CH



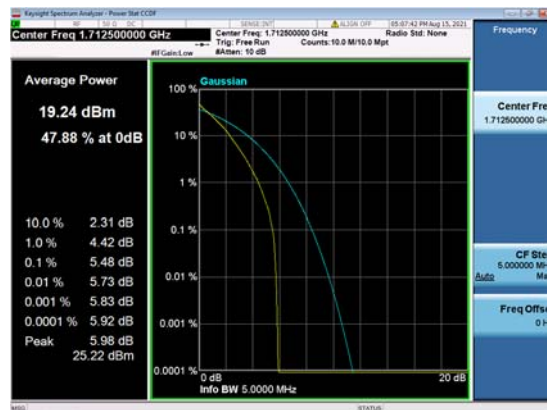
n2(20M)_DFT-s-OFDM_
QPSK_Outer_Full_High_CH



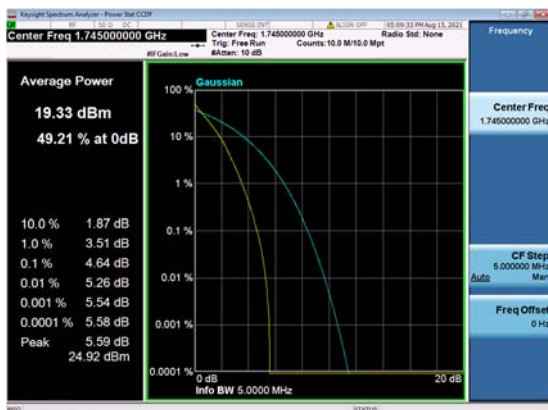
n66(5M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Low_CH



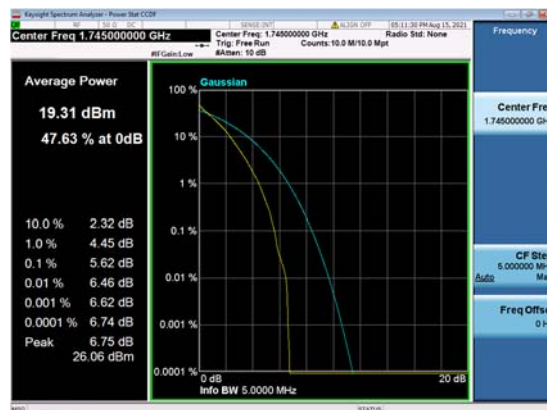
n66(5M)_DFT-s-OFDM_
QPSK_Outer_Full_Low_CH



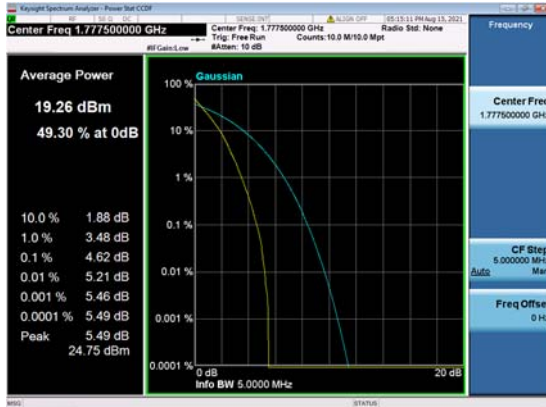
n66(5M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Mid_CH



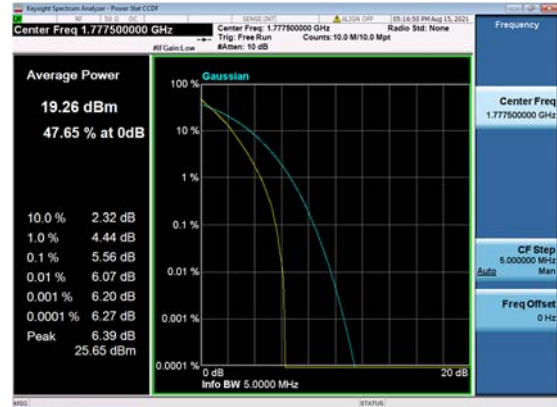
n66(5M)_DFT-s-OFDM_
QPSK_Outer_Full_Mid_CH



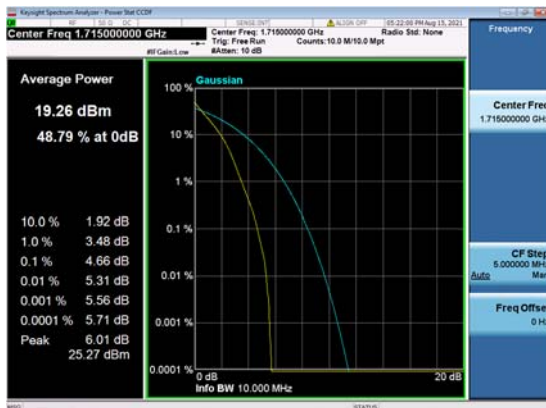
n66(5M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_High_CH



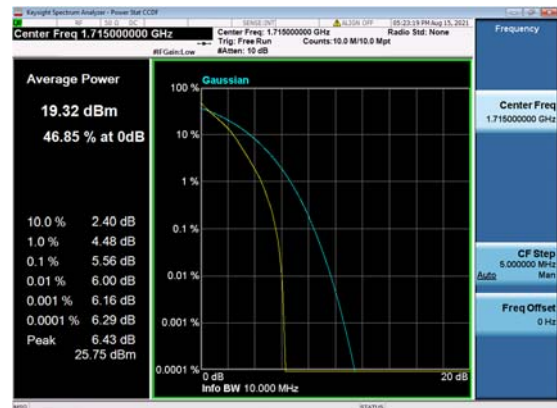
n66(5M)_DFT-s-OFDM_
QPSK_Outer_Full_High_CH



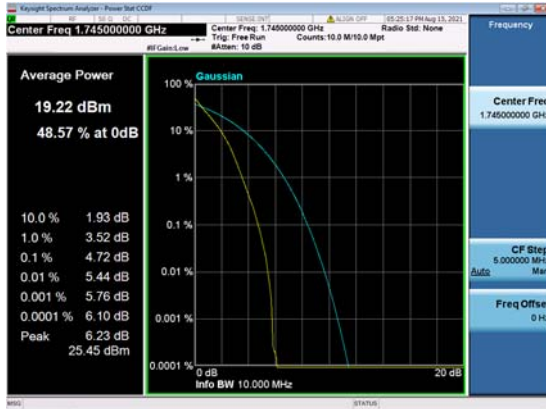
n66(10M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Low_CH



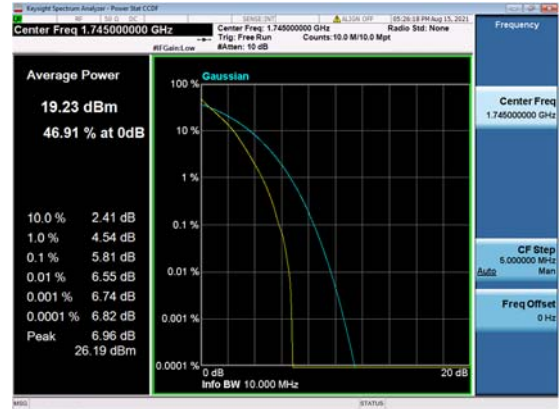
n66(10M)_DFT-s-OFDM_
QPSK_Outer_Full_Low_CH



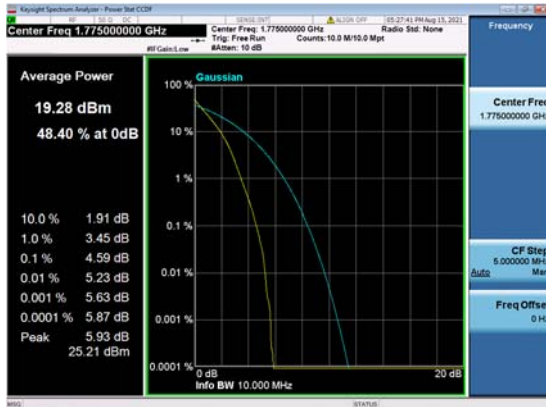
n66(10M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Mid_CH



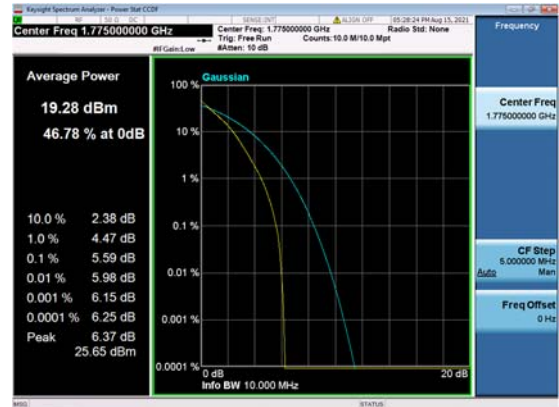
n66(10M)_DFT-s-OFDM_
QPSK_Outer_Full_Mid_CH



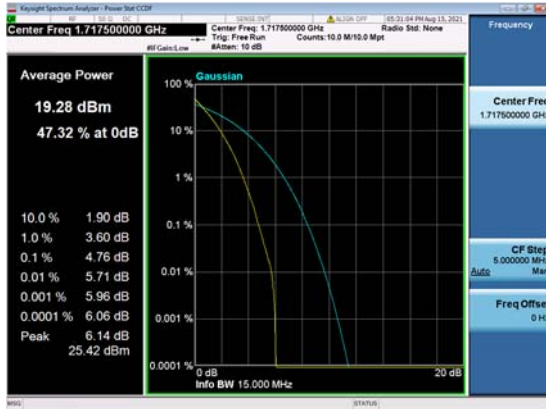
n66(10M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_High_CH



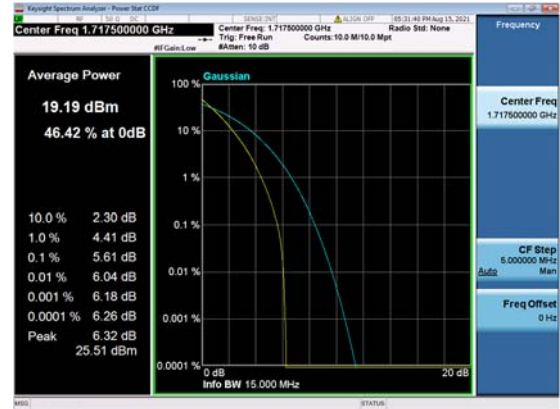
n66(10M)_DFT-s-OFDM_
QPSK_Outer_Full_High_CH



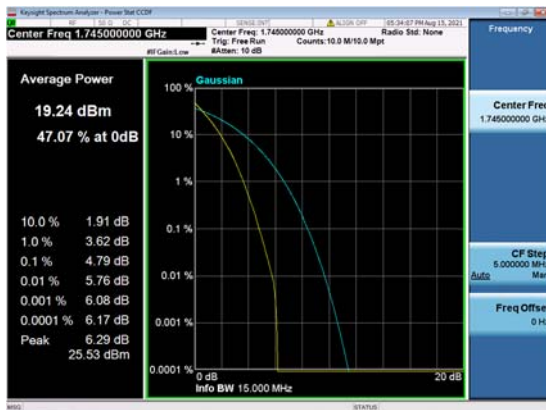
n66(15M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Low_CH



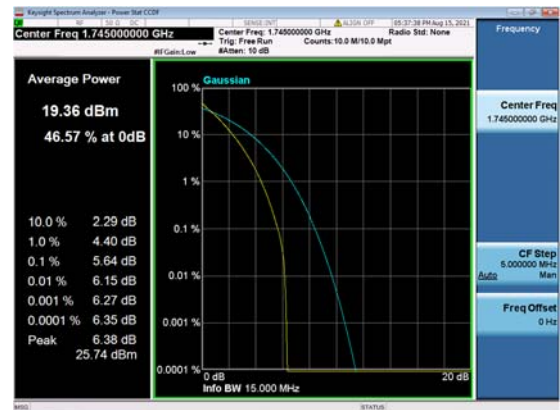
n66(15M)_DFT-s-OFDM_
QPSK_Outer_Full_Low_CH



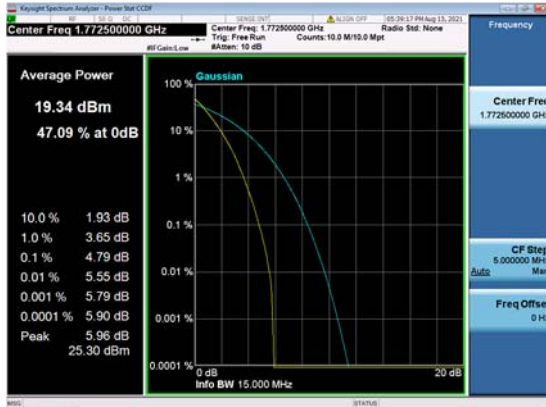
n66(15M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Mid_CH



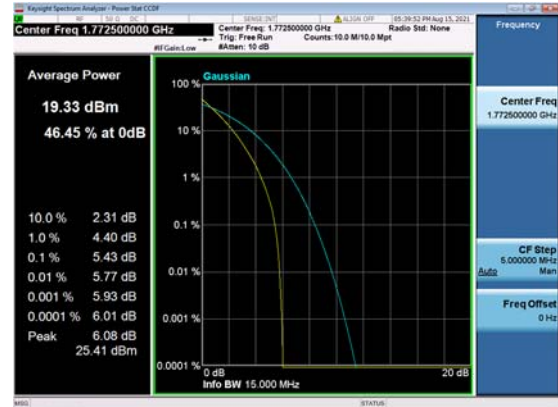
n66(15M)_DFT-s-OFDM_
QPSK_Outer_Full_Mid_CH



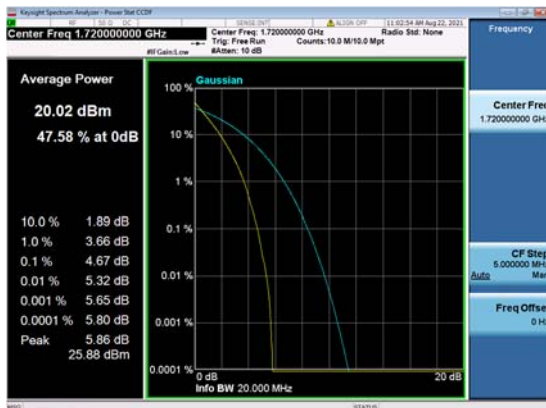
n66(15M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_High_CH



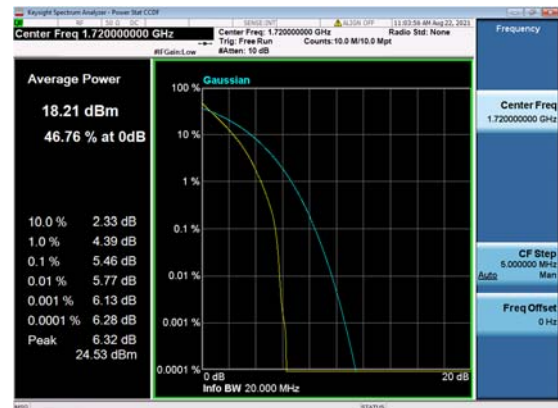
n66(15M)_DFT-s-OFDM_
QPSK_Outer_Full_High_CH



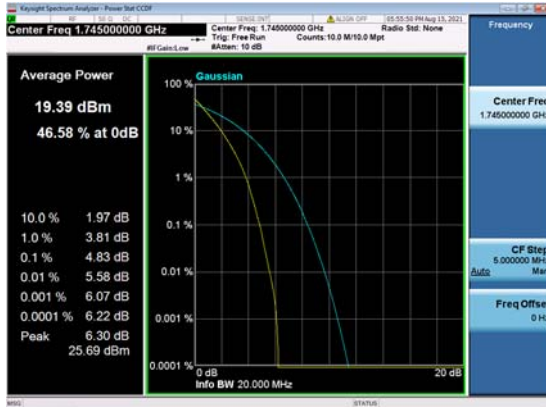
n66(20M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Low_CH



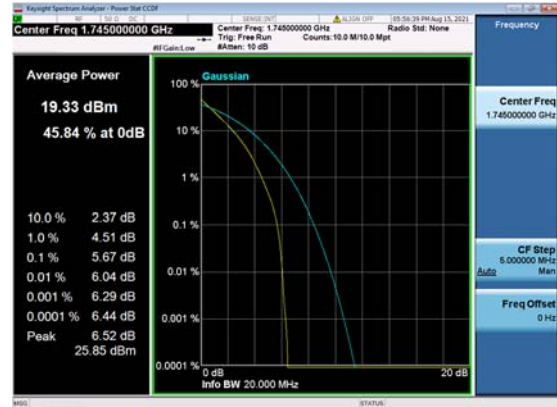
n66(20M)_DFT-s-OFDM_
QPSK_Outer_Full_Low_CH



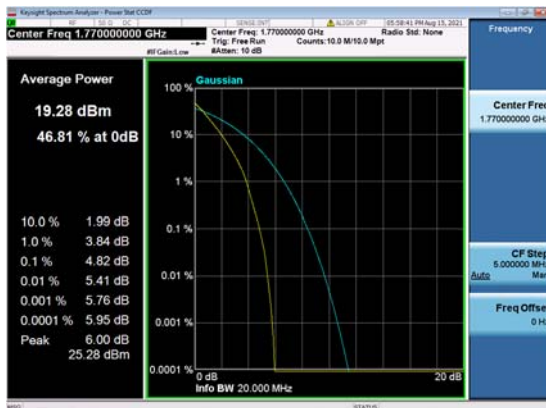
n66(20M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Mid_CH



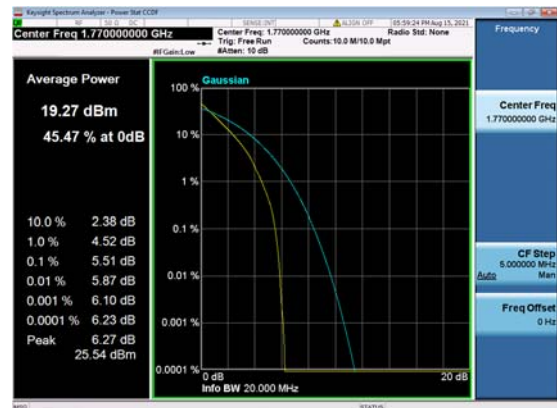
n66(20M)_DFT-s-OFDM_
QPSK_Outer_Full_Mid_CH

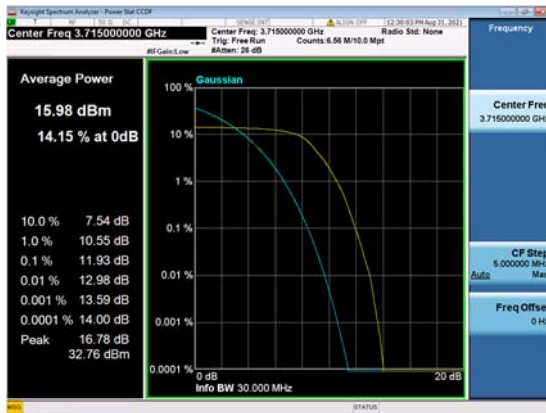
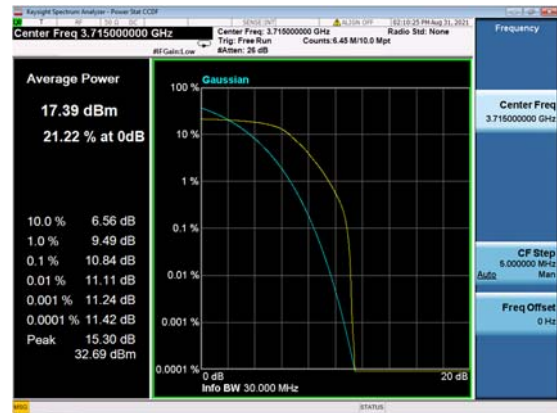
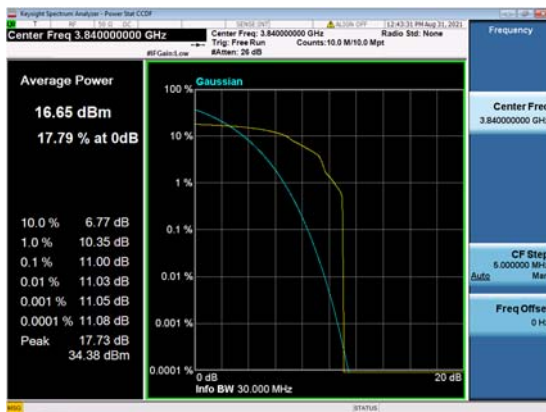
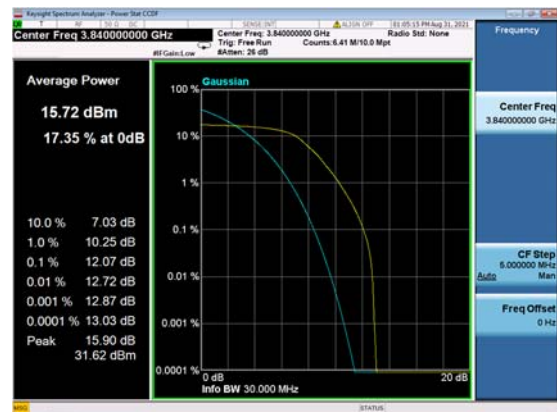


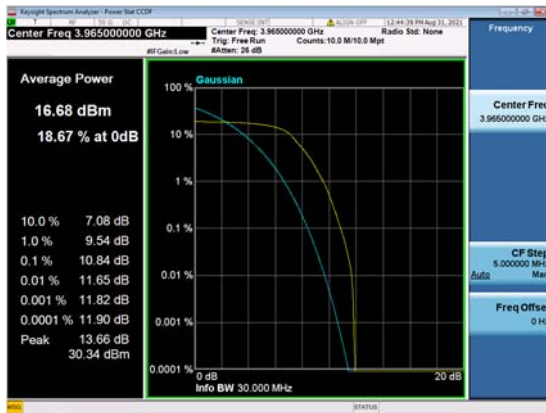
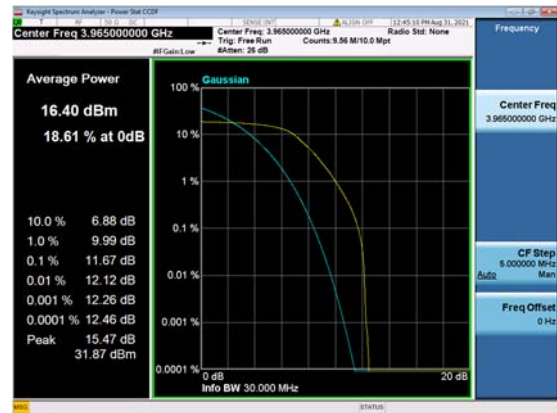
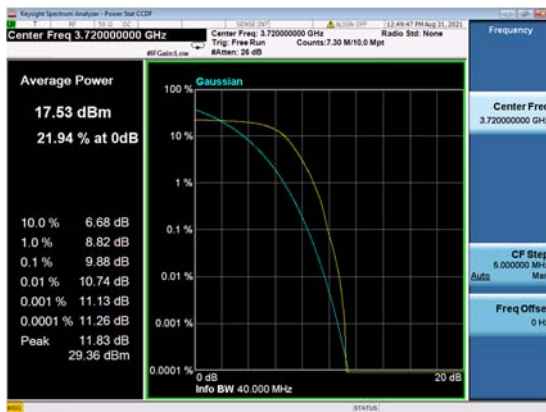
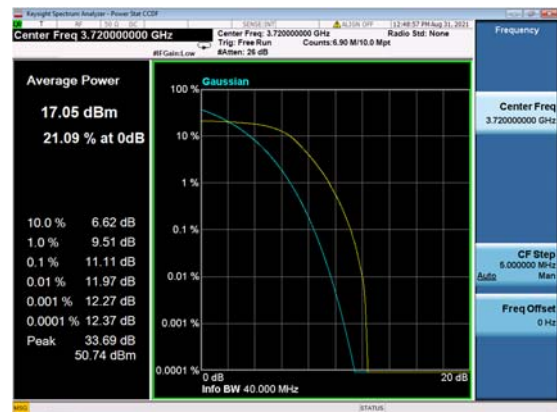
n66(20M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_High_CH

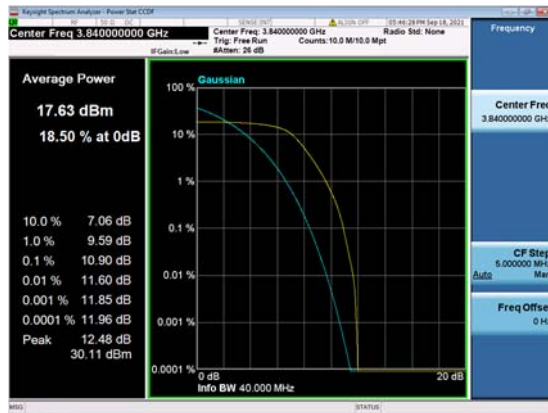
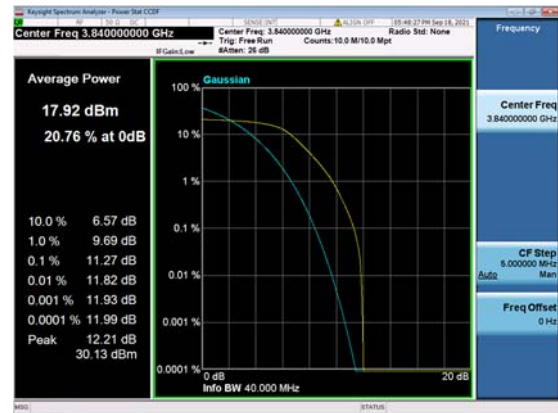
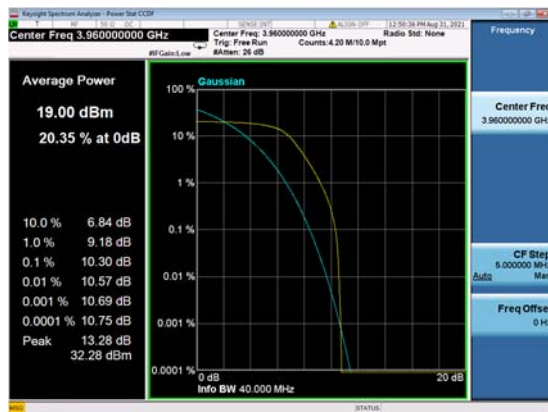
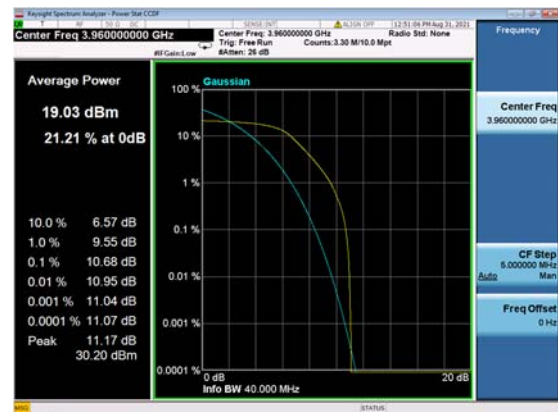


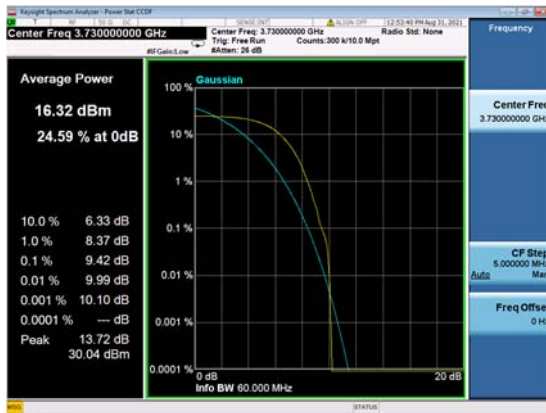
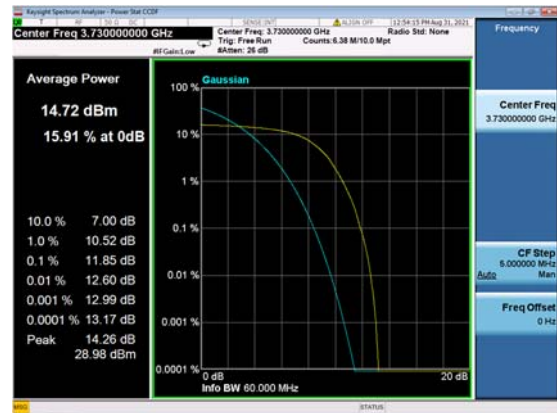
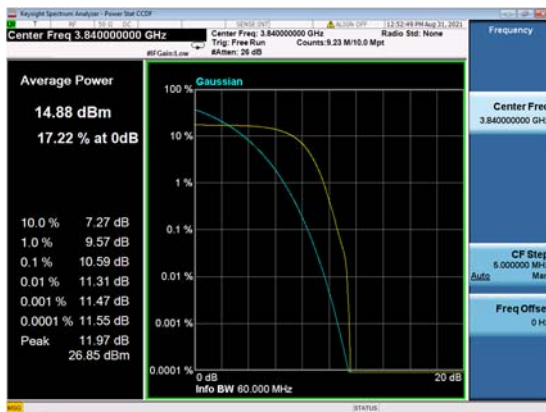
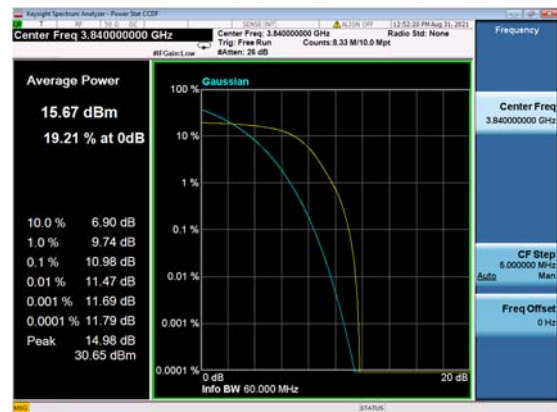
n66(20M)_DFT-s-OFDM_
QPSK_Outer_Full_High_CH



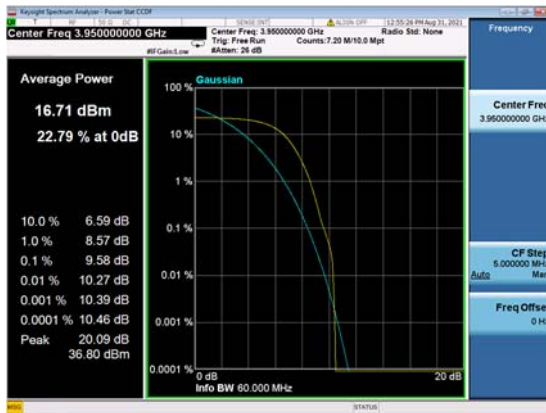
DC_13A_n77(30M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Low_CH

DC_13A_n77(30M)_DFT-s-OFDM_
QPSK_Outer_Full_Low_CH

DC_13A_n77(30M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Mid_CH

DC_13A_n77(30M)_DFT-s-OFDM_
QPSK_Outer_Full_Mid_CH


DC_13A_n77(30M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_High_CH

DC_13A_n77(30M)_DFT-s-OFDM_
QPSK_Outer_Full_High_CH

DC_13A_n77(40M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Low_CH

DC_13A_n77(40M)_DFT-s-OFDM_
QPSK_Outer_Full_Low_CH


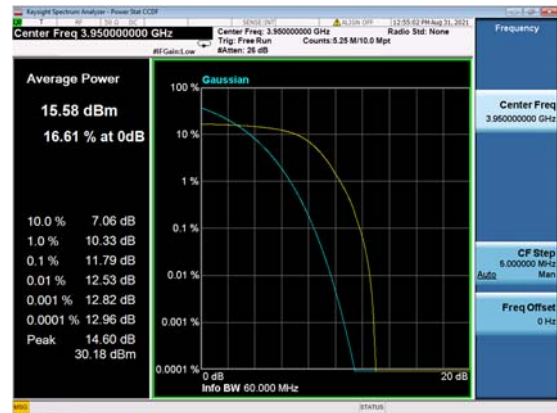
DC_13A_n77(40M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Mid_CH

DC_13A_n77(40M)_DFT-s-OFDM_
QPSK_Outer_Full_Mid_CH

DC_13A_n77(40M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_High_CH

DC_13A_n77(40M)_DFT-s-OFDM_
QPSK_Outer_Full_High_CH


DC_13A_n77(60M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Low_CH

DC_13A_n77(60M)_DFT-s-OFDM_
QPSK_Outer_Full_Low_CH

DC_13A_n77(60M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Mid_CH

DC_13A_n77(60M)_DFT-s-OFDM_
QPSK_Outer_Full_Mid_CH


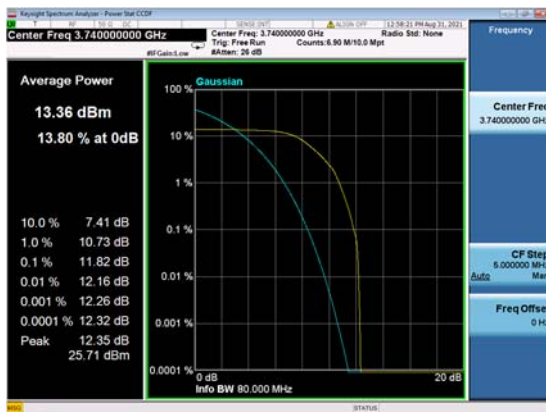
DC_13A_n77(60M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_High_CH



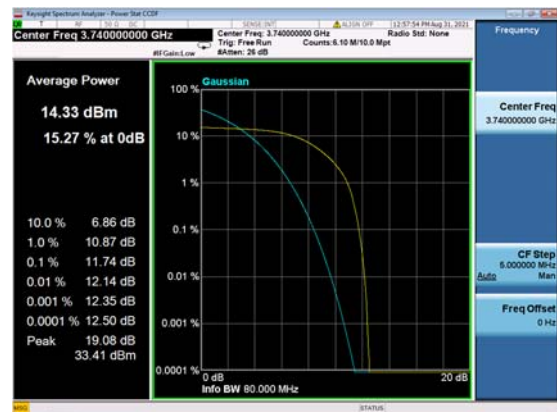
DC_13A_n77(60M)_DFT-s-OFDM_
QPSK_Outer_Full_High_CH

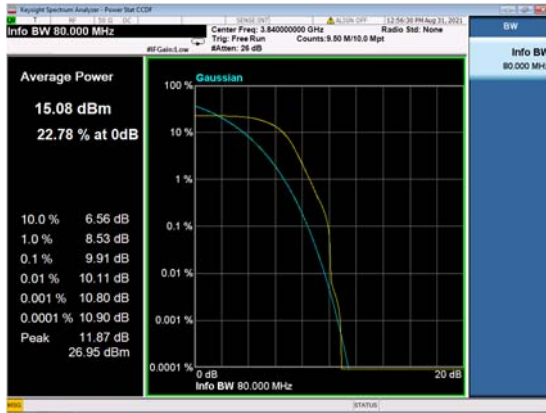
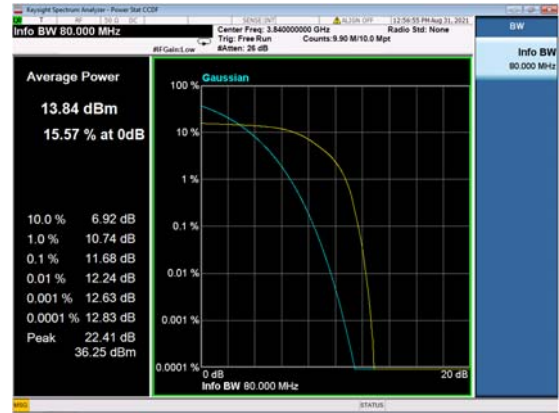
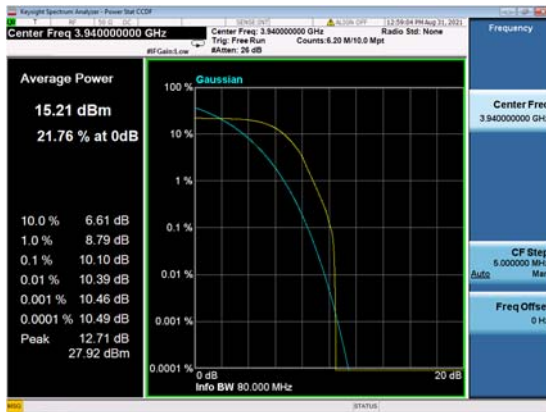
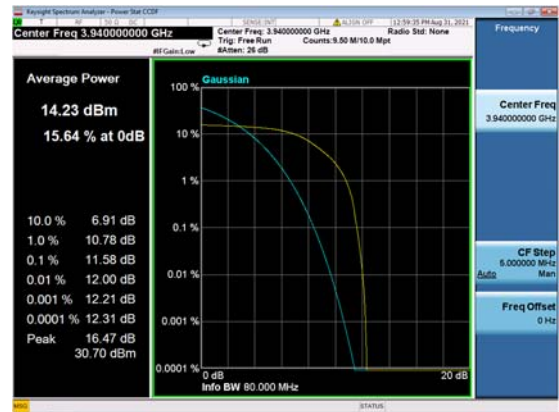


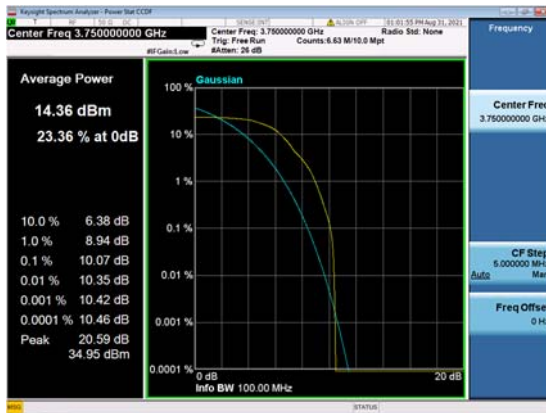
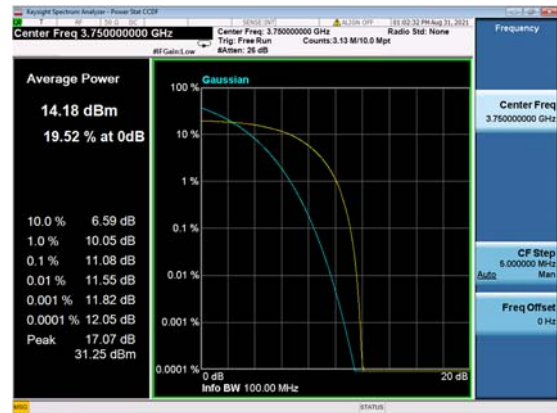
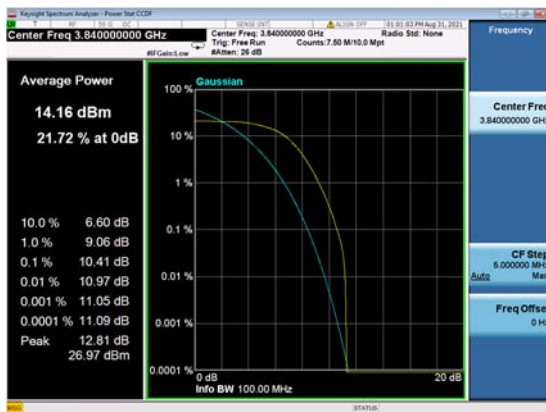
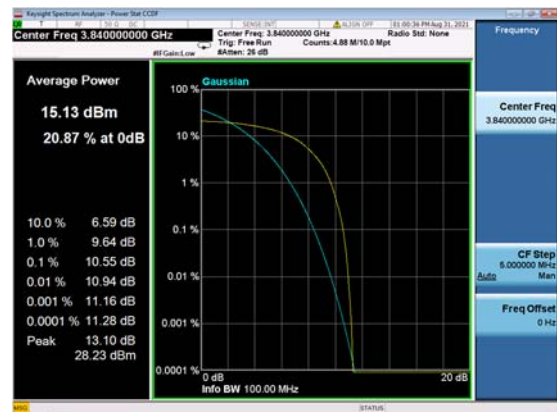
DC_13A_n77(80M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Low_CH



DC_13A_n77(80M)_DFT-s-OFDM_
QPSK_Outer_Full_Low_CH

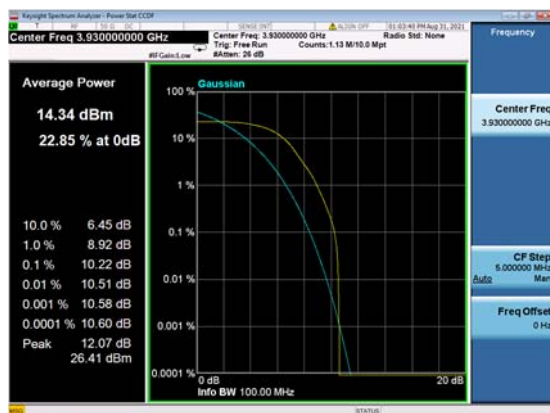


DC_13A_n77(80M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Mid_CH

DC_13A_n77(80M)_DFT-s-OFDM_
QPSK_Outer_Full_Mid_CH

DC_13A_n77(80M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_High_CH

DC_13A_n77(80M)_DFT-s-OFDM_
QPSK_Outer_Full_High_CH


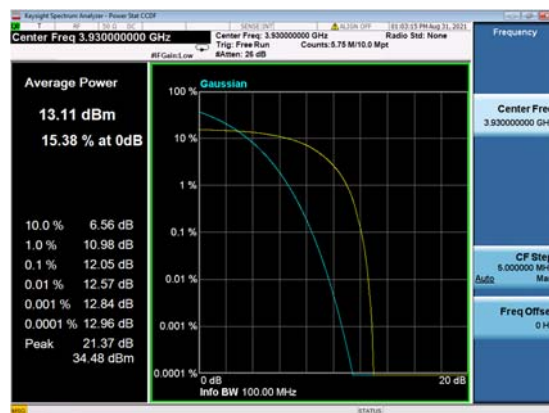
DC_13A_n77(100M)_DFT-s-OFDM_
PI/2 BPSK_Outer_Full_Low_CH

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, 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.

According to FCC section 24.238(a), 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.

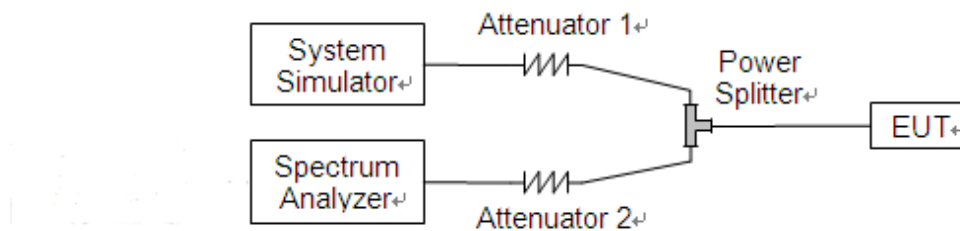
According to FCC section 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

According to FCC section 27.53(h), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB a 1MHz bandwidth.

According to FCC section 27.53(l) (2) for n77, for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.



2.5.2. Test Description



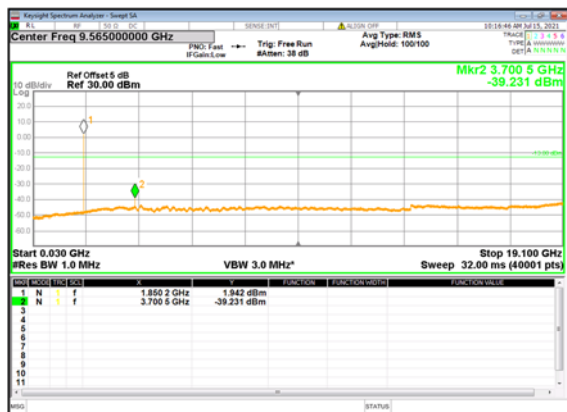
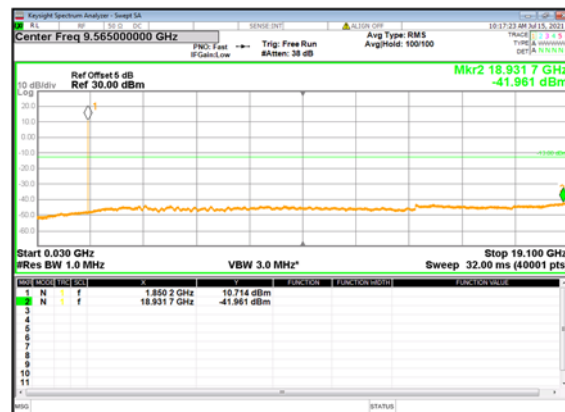
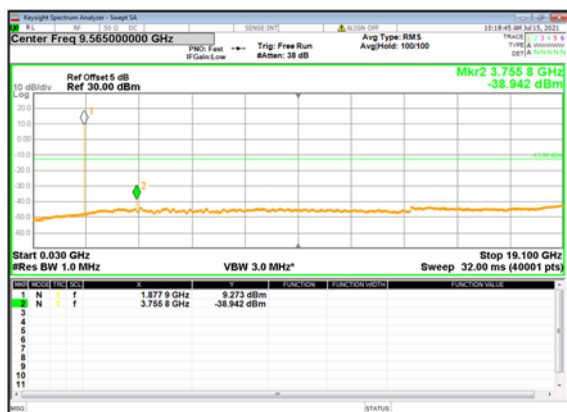
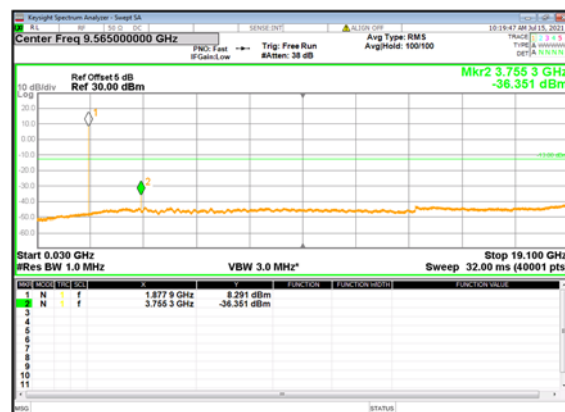
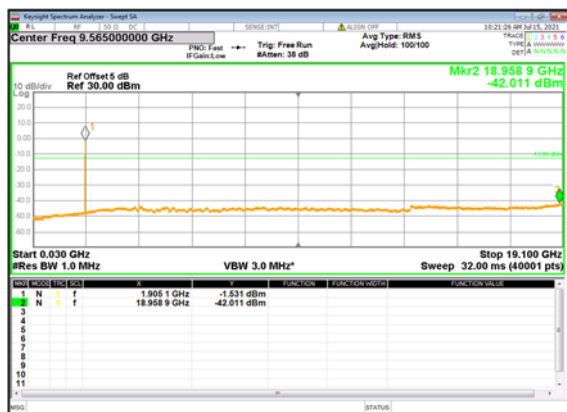
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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

2.5.3. Test procedure

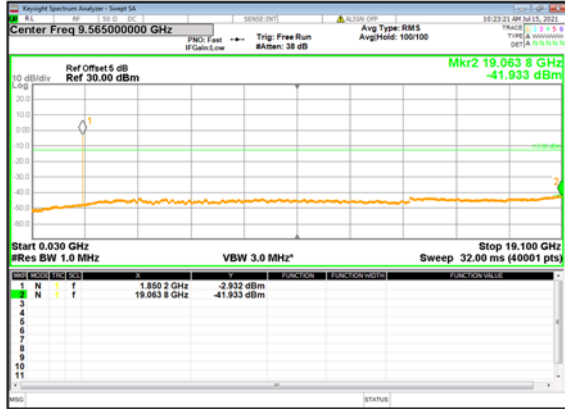
KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

2.5.4. Test Result

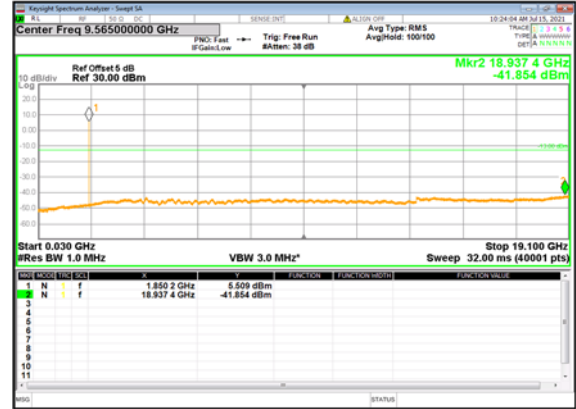
Note: In the same NR frequency band, The measured power in SA mode is higher than that in NSA mode, SA mode is selected to test all test cases.

n2(5M)_DFT-s-OFDM_
BPSK_Edge_1RB_Left_Low_CHn2(5M)_DFT-s-OFDM_
QPSK_Edge_1RB_Left_Low_CHn2(5M)_DFT-s-OFDM_
BPSK_Edge_1RB_Left_Mid_CHn2(5M)_DFT-s-OFDM_
QPSK_Edge_1RB_Left_Mid_CHn2(5M)_DFT-s-OFDM_
BPSK_Edge_1RB_Left_High_CHn2(5M)_DFT-s-OFDM_
QPSK_Edge_1RB_Left_High_CH

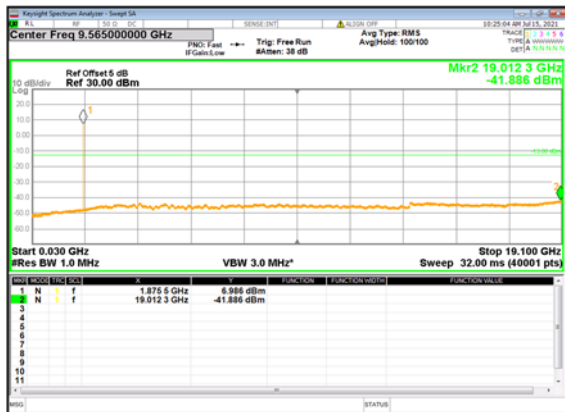
n2(10M)_DFT-s-OFDM_ BPSK_Edge_1RB_Left_Low_CH



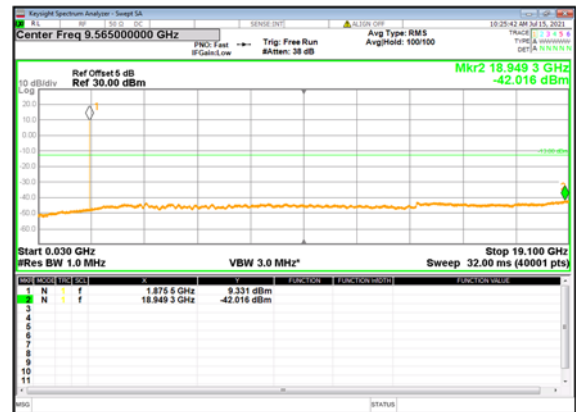
n2(10M)_DFT-s-OFDM_ QPSK_Edge_1RB_Left_Low_CH



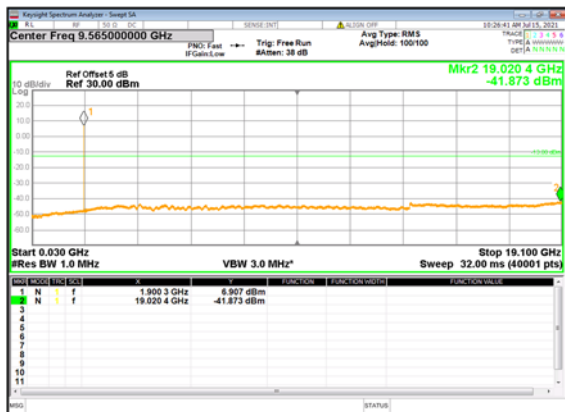
n2(10M)_DFT-s-OFDM_ BPSK_Edge_1RB_Left_Mid_CH



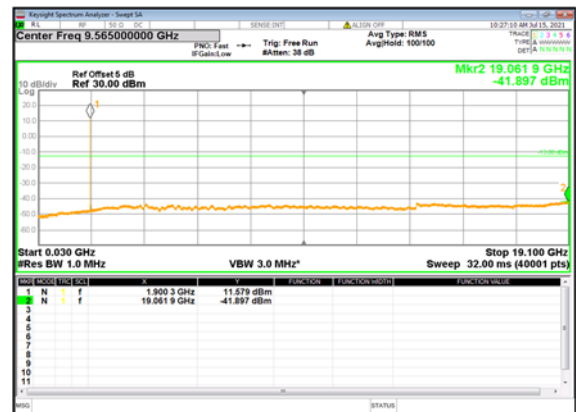
n2(10M)_DFT-s-OFDM_ QPSK_Edge_1RB_Left_Mid_CH



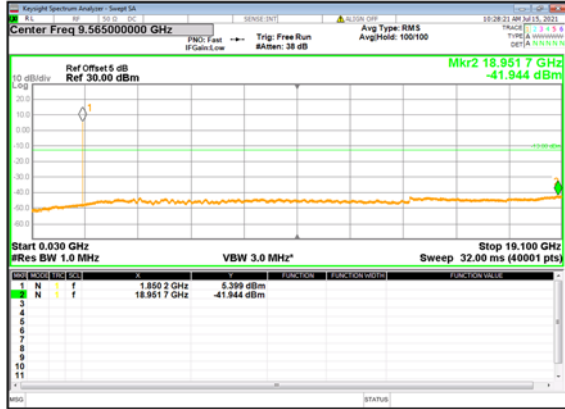
n2(10M)_DFT-s-OFDM_ BPSK_Edge_1RB_Left_High_CH



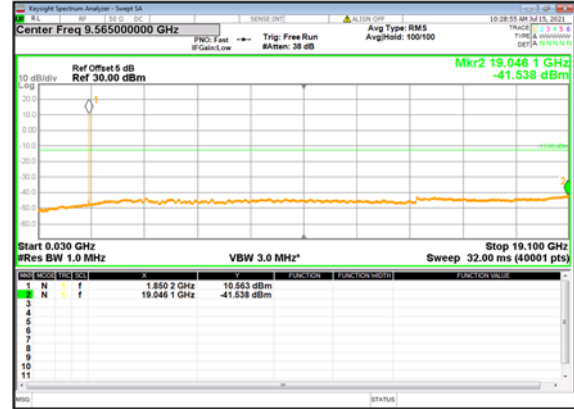
n2(10M)_DFT-s-OFDM_ QPSK_Edge_1RB_Left_High_CH



n2(15M)_DFT-s-OFDM_ BPSK_Edge_1RB_Left_Low_CH



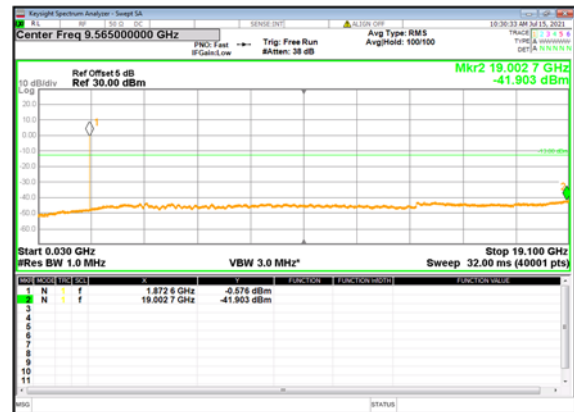
n2(15M)_DFT-s-OFDM_ QPSK_Edge_1RB_Left_Low_CH



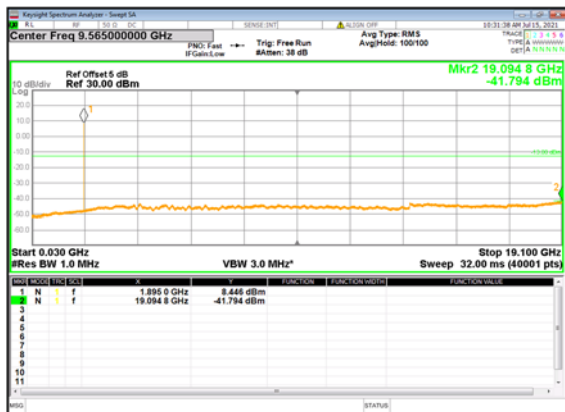
n2(15M)_DFT-s-OFDM_ BPSK_Edge_1RB_Left_Mid_CH



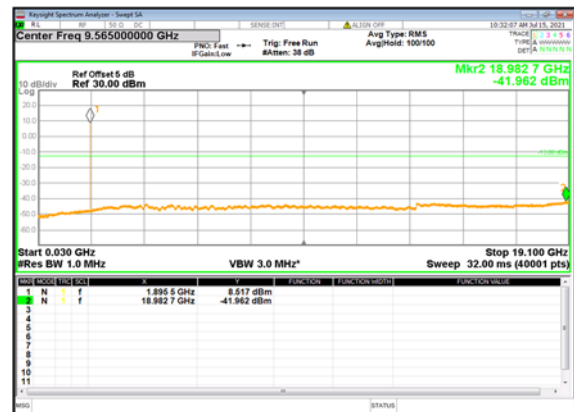
n2(15M)_DFT-s-OFDM_ QPSK_Edge_1RB_Left_Mid_CH



n2(15M)_DFT-s-OFDM_ BPSK_Edge_1RB_Left_High_CH



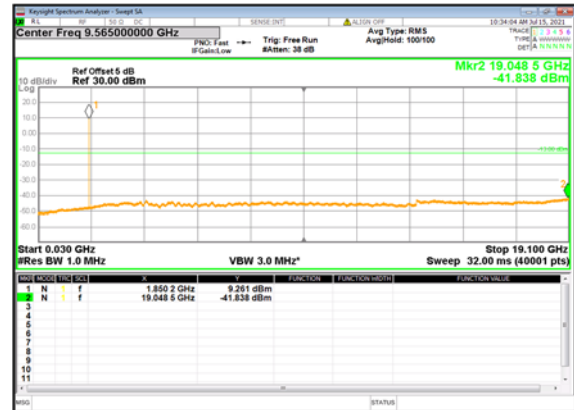
n2(15M)_DFT-s-OFDM_ QPSK_Edge_1RB_Left_High_CH



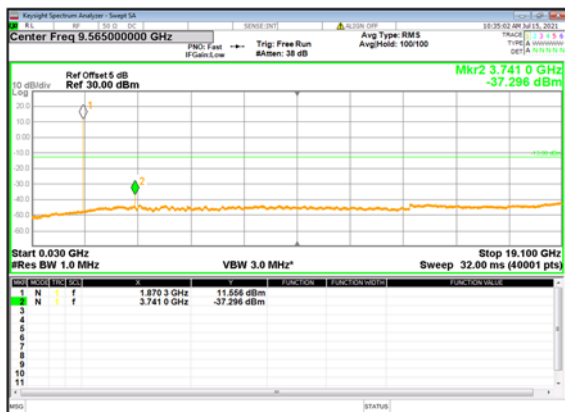
n2(20M)_DFT-s-OFDM_ BPSK_Edge_1RB_Left_Low_CH



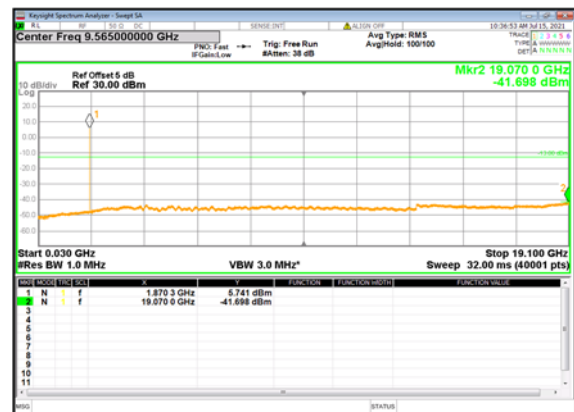
n2(20M)_DFT-s-OFDM_ QPSK_Edge_1RB_Left_Low_CH



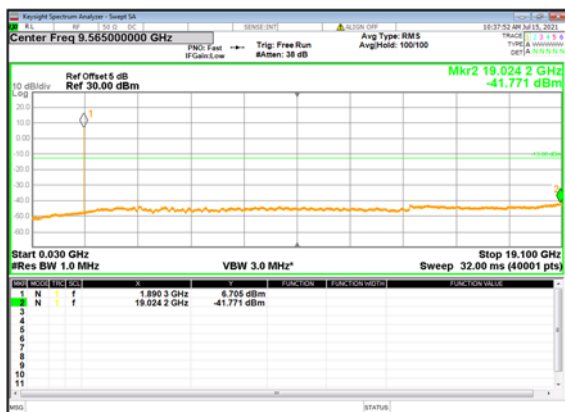
n2(20M)_DFT-s-OFDM_ BPSK_Edge_1RB_Left_Mid_CH



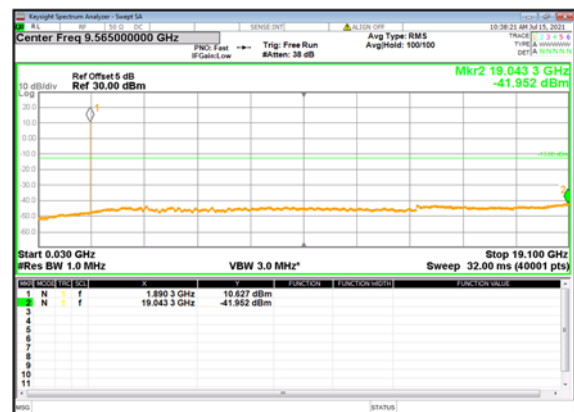
n2(20M)_DFT-s-OFDM_ QPSK_Edge_1RB_Left_Mid_CH



n2(20M)_DFT-s-OFDM_ BPSK_Edge_1RB_Left_High_CH



n2(20M)_DFT-s-OFDM_ QPSK_Edge_1RB_Left_High_CH



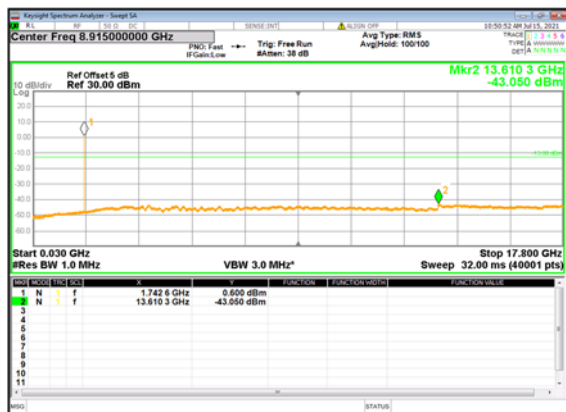
n66(5M)_DFT-s-OFDM_
BPSK_Edge_1RB_Left_Low_CH



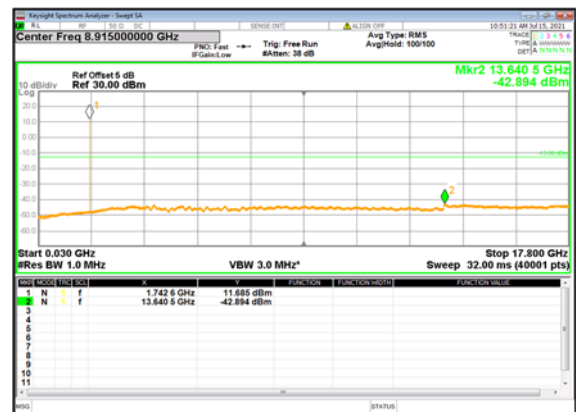
n66(5M)_DFT-s-OFDM_
QPSK_Edge_1RB_Left_Low_CH



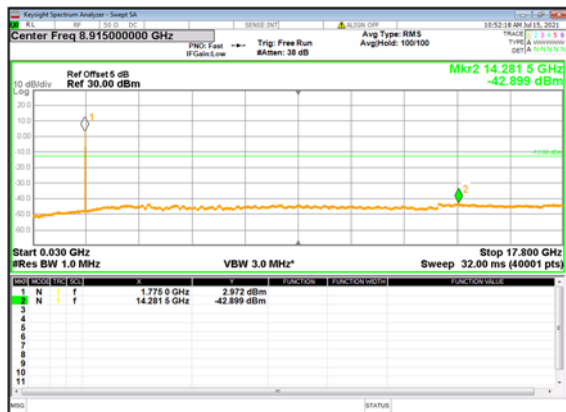
n66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left_Mid_CH



n66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left_Mid_CH



n66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left_High_CH



n66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left_High_CH

