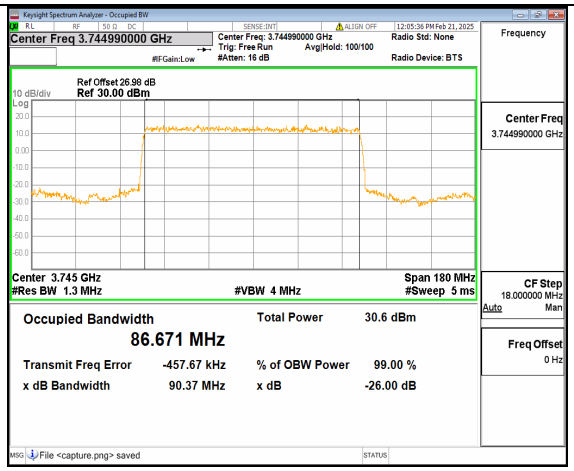
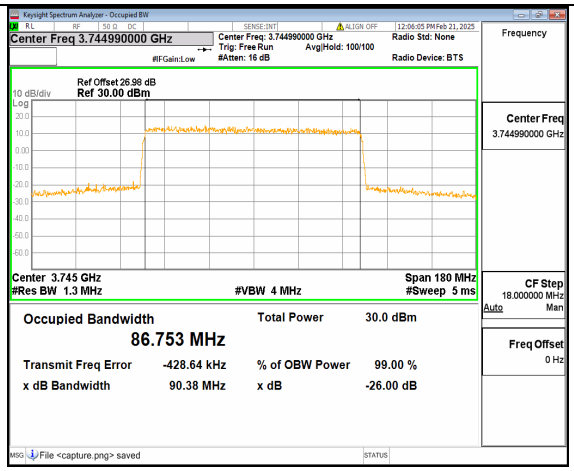
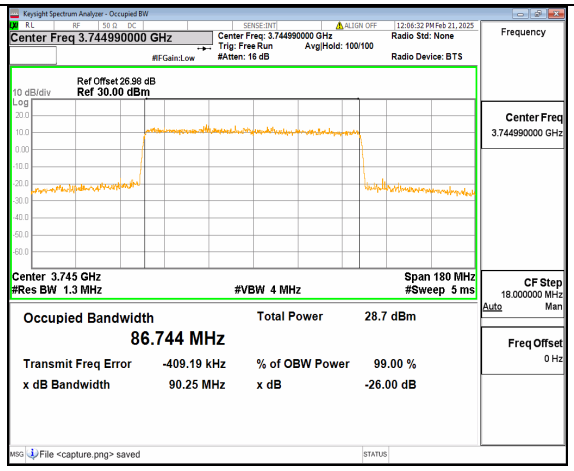


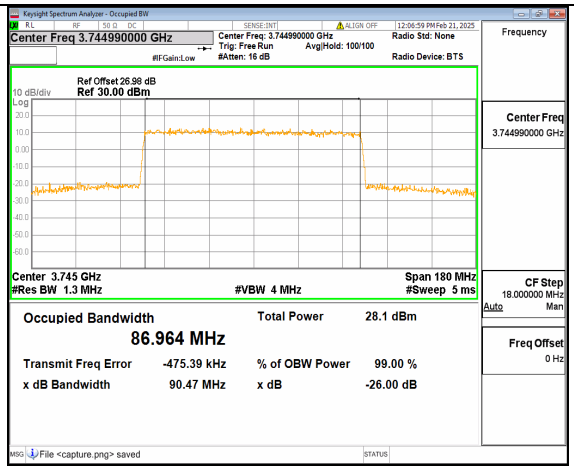
12A_n77(3700-3980MHz) 90M DFT-s-OFDM BPSK Outer_Full Low



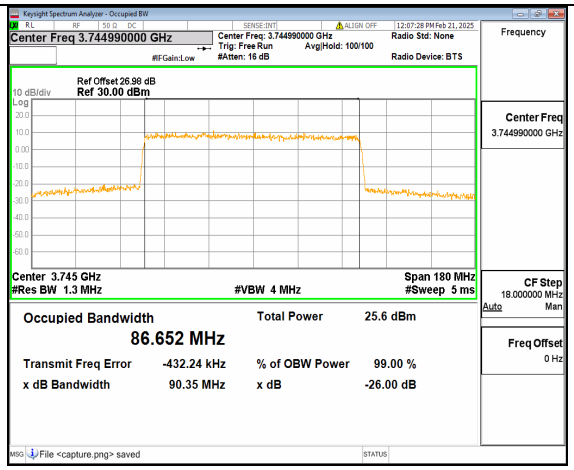
12A_n77(3700-3980MHz) 90M DFT-s-OFDM QPSK Outer_Full Low



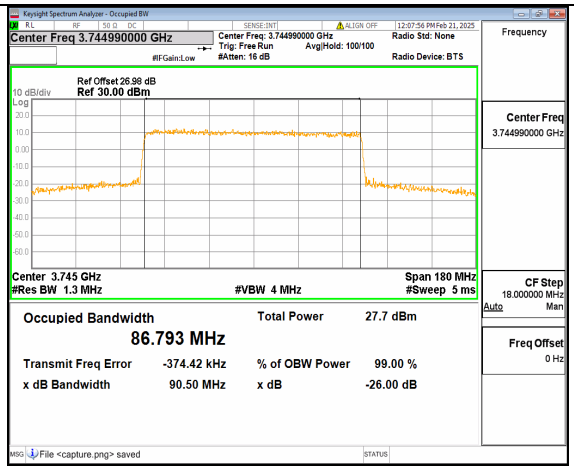
12A_n77(3700-3980MHz) 90M DFT-s-OFDM 16QAM Outer_Full Low



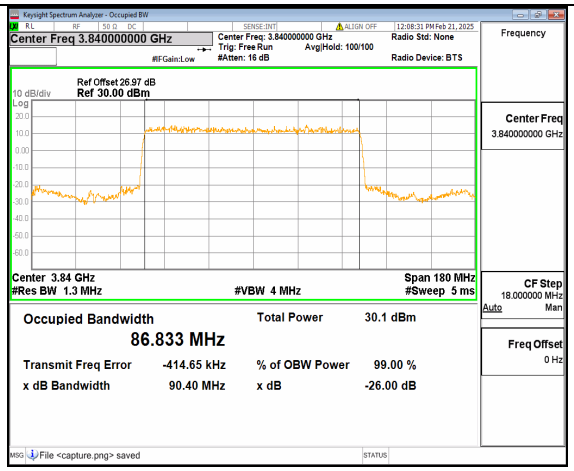
12A_n77(3700-3980MHz) 90M DFT-s-OFDM 64QAM Outer_Full Low



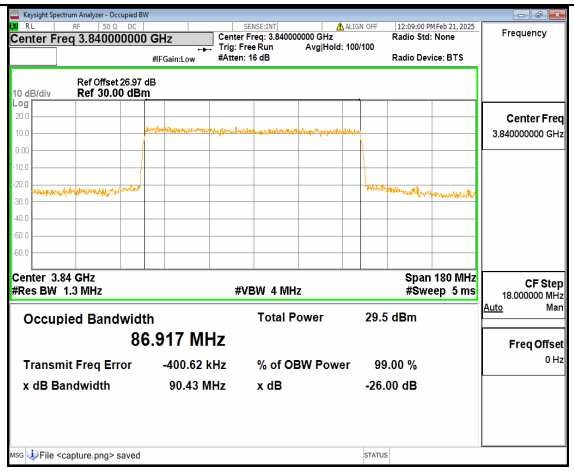
12A_n77(3700-3980MHz) 90M DFT-s-OFDM 256QAM Outer_Full Low



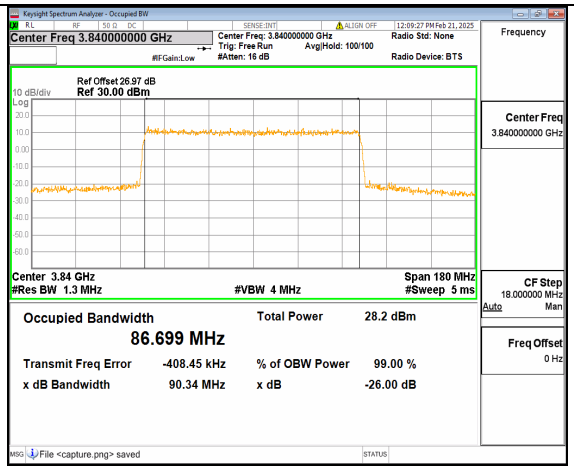
12A_n77(3700-3980MHz) 90M CP-OFDM QPSK Outer_Full Low



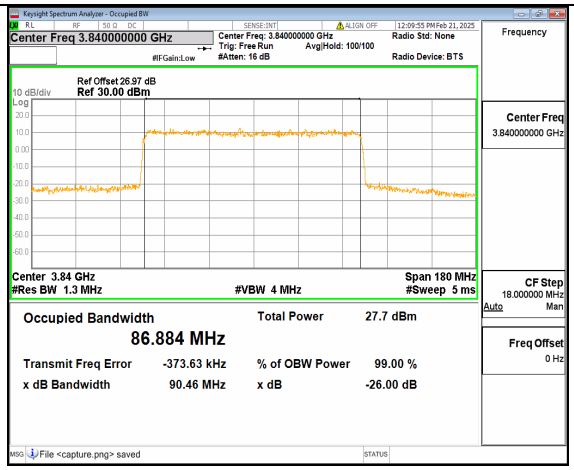
12A_n77(3700-3980MHz) 90M DFT-s-OFDM BPSK Outer_Full Mid



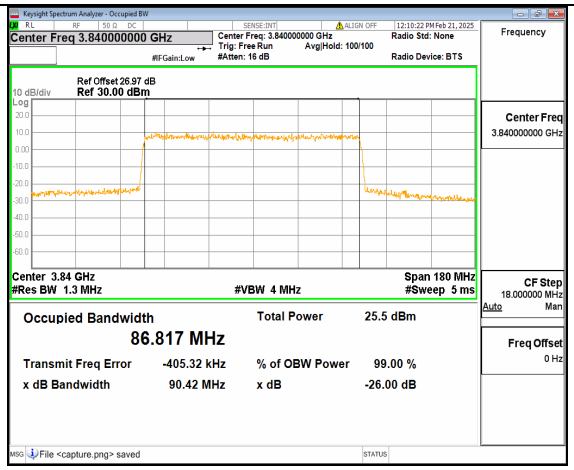
12A_n77(3700-3980MHz) 90M DFT-s-OFDM QPSK Outer_Full Mid



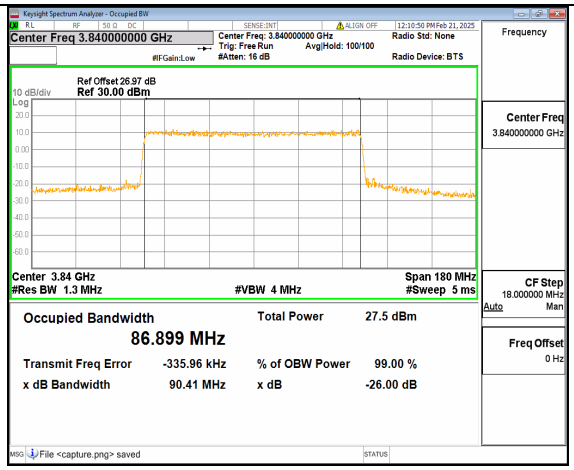
12A_n77(3700-3980MHz) 90M DFT-s-OFDM 16QAM Outer_Full Mid



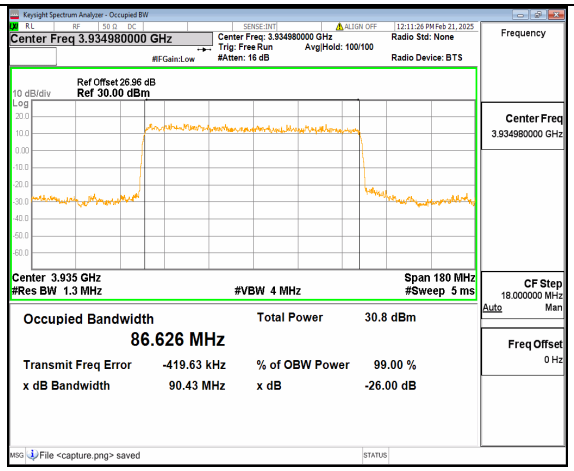
12A_n77(3700-3980MHz) 90M DFT-s-OFDM 64QAM Outer_Full Mid



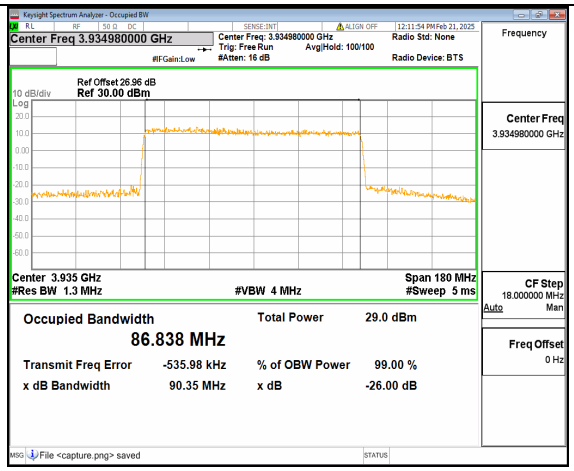
12A_n77(3700-3980MHz) 90M DFT-s-OFDM 256QAM Outer_Full Mid



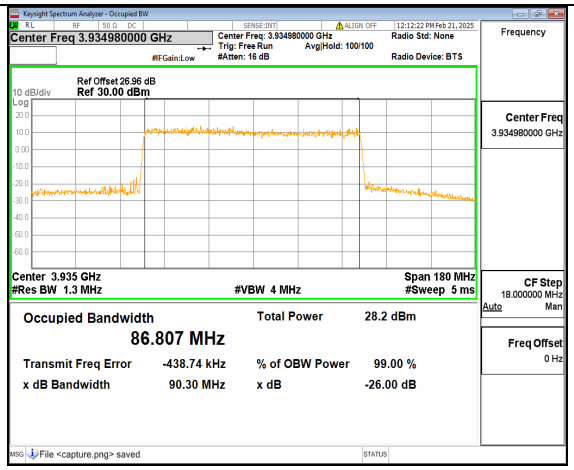
12A_n77(3700-3980MHz) 90M CP-OFDM QPSK Outer_Full Mid



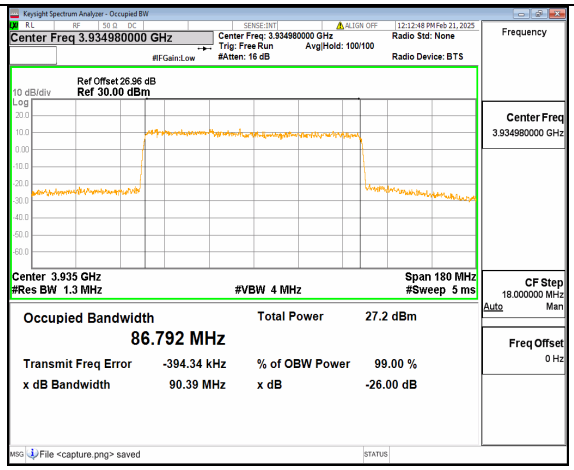
12A_n77(3700-3980MHz) 90M DFT-s-OFDM BPSK Outer_Full High



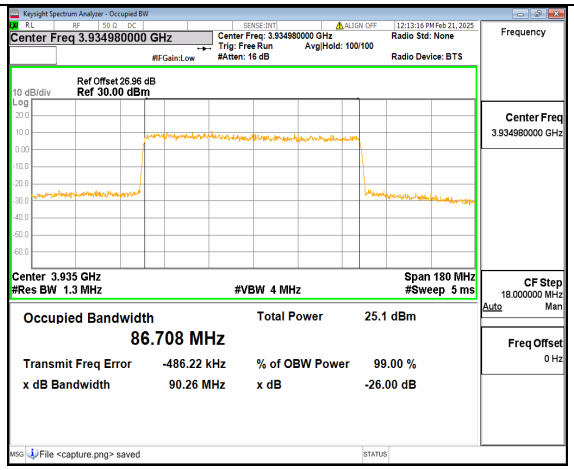
12A_n77(3700-3980MHz) 90M DFT-s-OFDM QPSK Outer_Full High



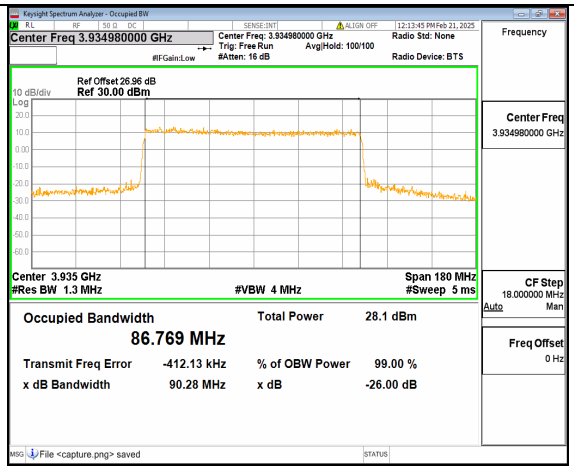
12A_n77(3700-3980MHz) 90M DFT-s-OFDM 16QAM Outer_Full High



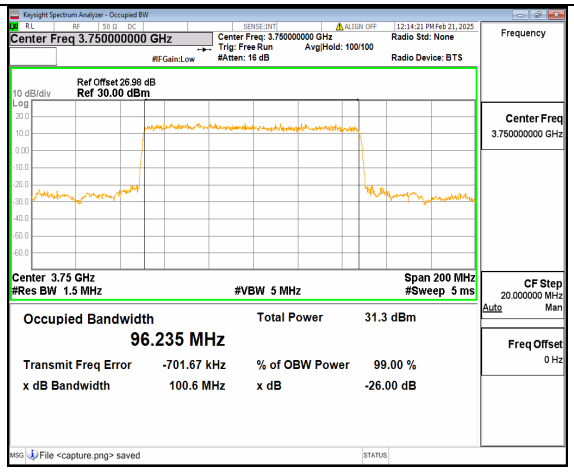
12A_n77(3700-3980MHz) 90M DFT-s-OFDM 64QAM Outer_Full High



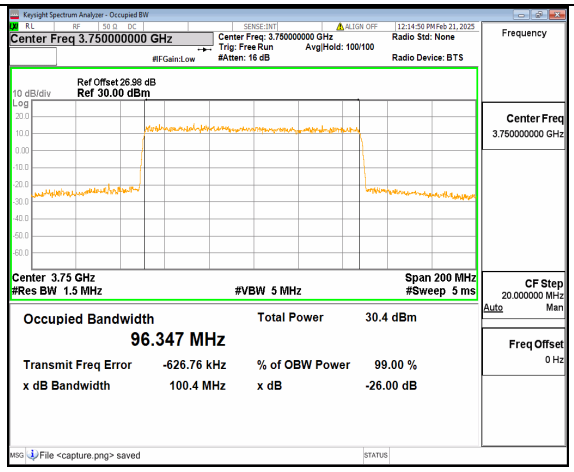
12A_n77(3700-3980MHz) 90M DFT-s-OFDM 256QAM Outer_Full High



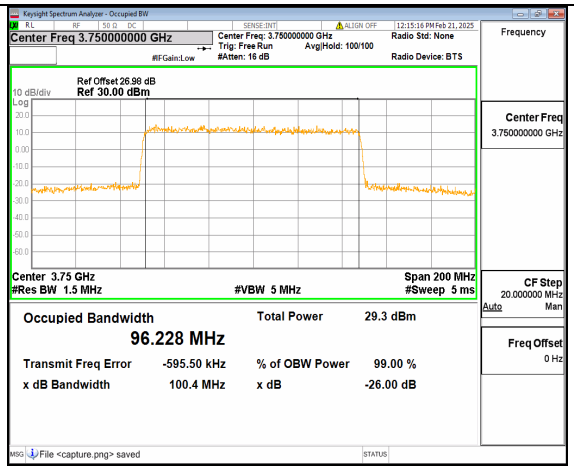
12A_n77(3700-3980MHz) 90M CP-OFDM QPSK Outer_Full High



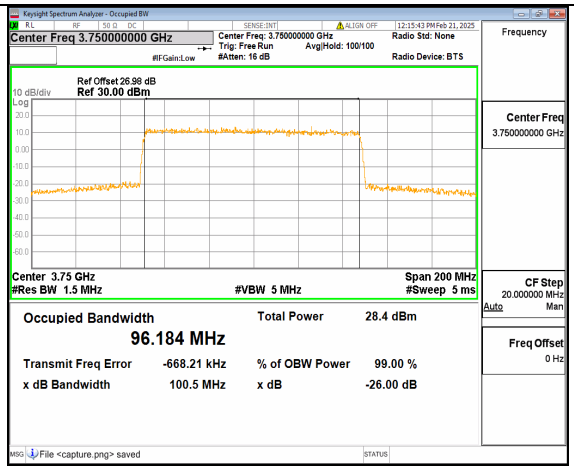
12A_n77(3700-3980MHz) 100M DFT-s-OFDM BPSK Outer_Full Low



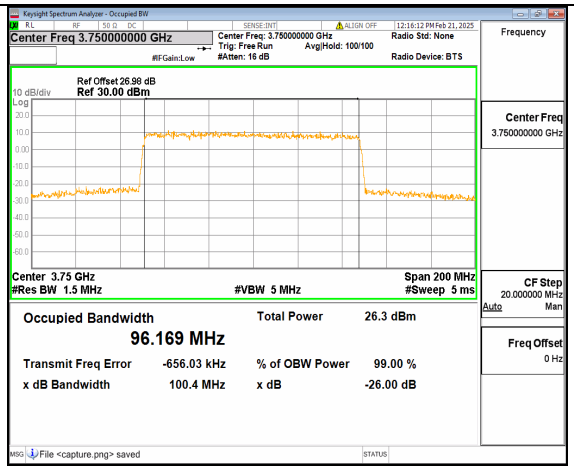
12A_n77(3700-3980MHz) 100M DFT-s-OFDM QPSK Outer_Full Low



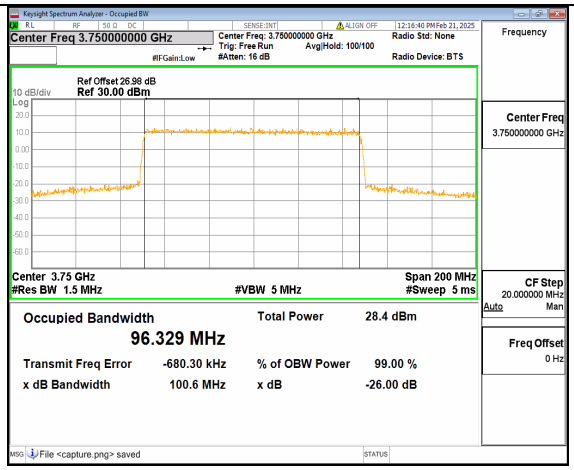
12A_n77(3700-3980MHz) 100M DFT-s-OFDM 16QAM Outer_Full Low



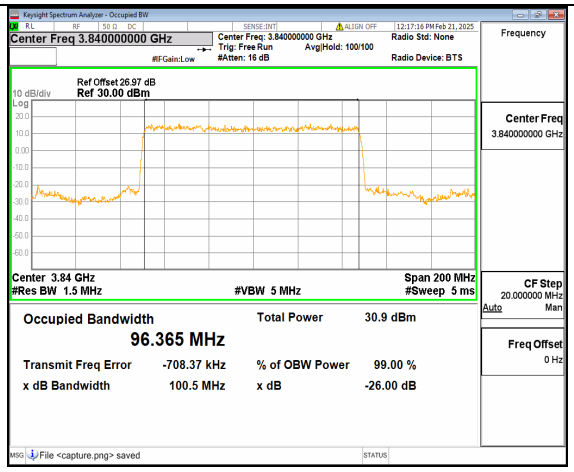
12A_n77(3700-3980MHz) 100M DFT-s-OFDM 64QAM Outer_Full Low



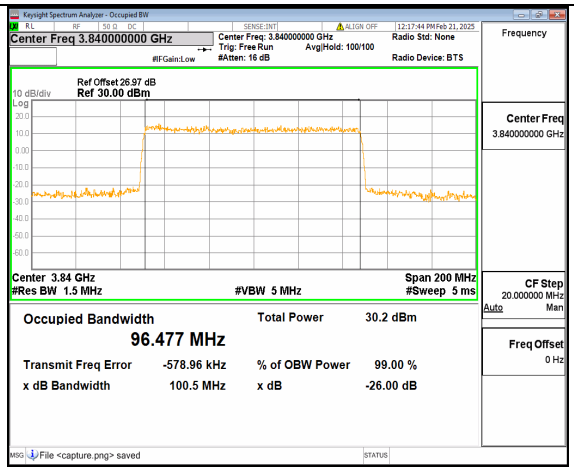
12A_n77(3700-3980MHz) 100M DFT-s-OFDM 256QAM Outer_Full Low



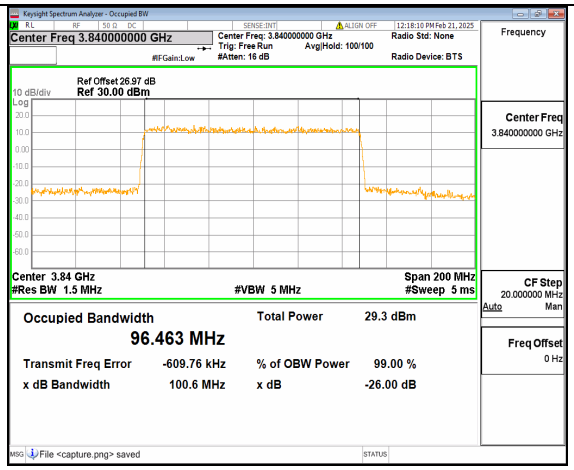
12A_n77(3700-3980MHz) 100M CP-OFDM QPSK Outer_Full Low



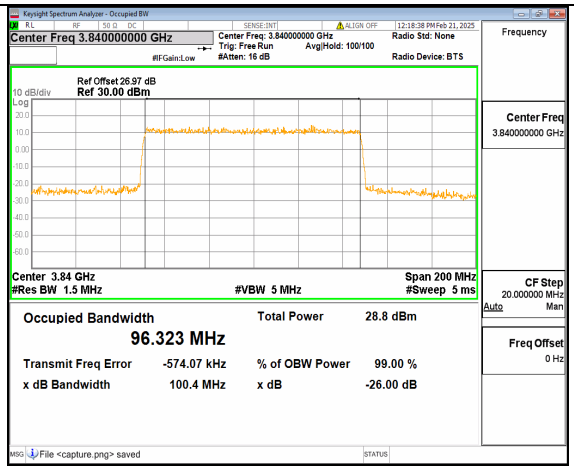
12A_n77(3700-3980MHz) 100M DFT-s-OFDM BPSK Outer_Full Mid



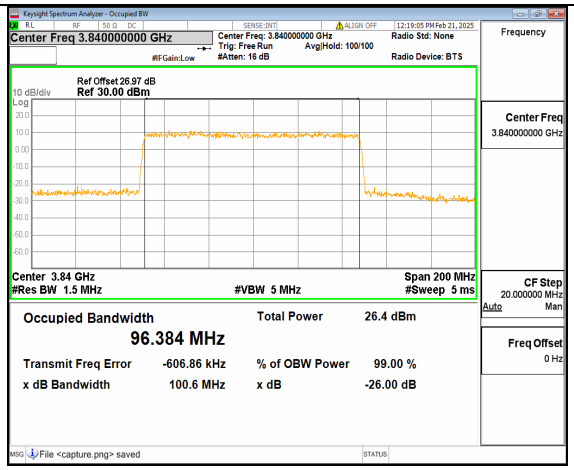
12A_n77(3700-3980MHz) 100M DFT-s-OFDM QPSK Outer_Full Mid



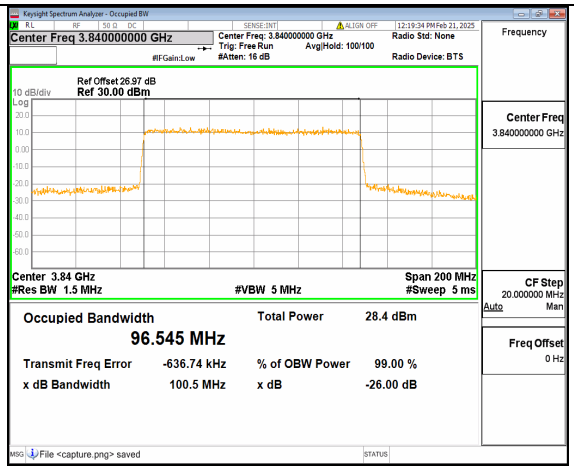
12A_n77(3700-3980MHz) 100M DFT-s-OFDM 16QAM Outer_Full Mid



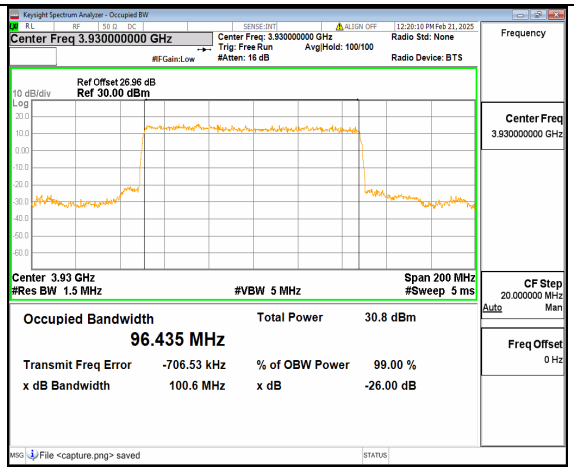
12A_n77(3700-3980MHz) 100M DFT-s-OFDM 64QAM Outer_Full Mid



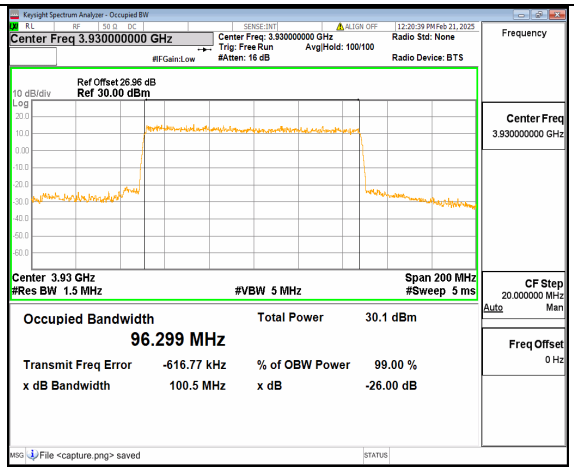
12A_n77(3700-3980MHz) 100M DFT-s-OFDM 256QAM Outer_Full Mid



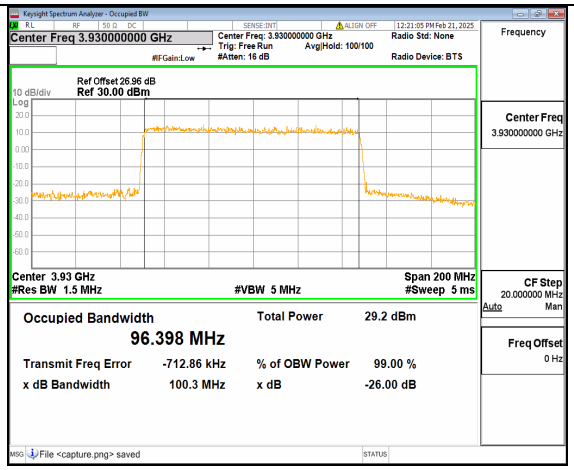
12A_n77(3700-3980MHz) 100M CP-OFDM QPSK Outer_Full Mid



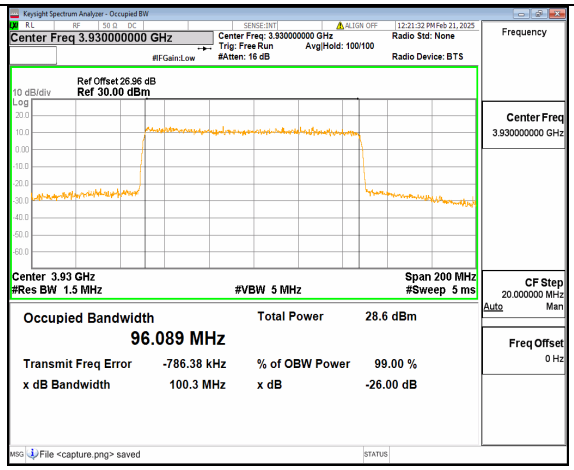
12A_n77(3700-3980MHz) 100M DFT-s-OFDM BPSK Outer_Full High



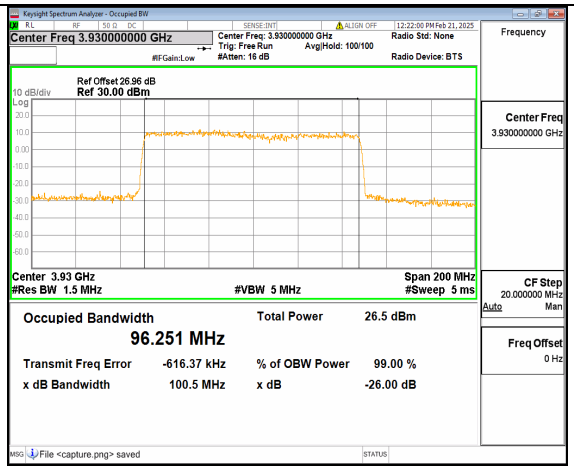
12A_n77(3700-3980MHz) 100M DFT-s-OFDM QPSK Outer_Full High



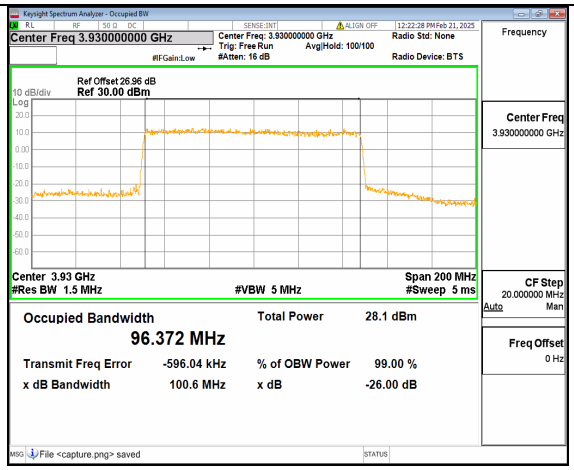
12A_n77(3700-3980MHz) 100M DFT-s-OFDM 16QAM Outer_Full High



12A_n77(3700-3980MHz) 100M DFT-s-OFDM 64QAM Outer_Full High



12A_n77(3700-3980MHz) 100M DFT-s-OFDM 256QAM Outer_Full High



12A_n77(3700-3980MHz) 100M CP-OFDM QPSK Outer_Full High

2.3. Frequency Stability

2.3.1.Requirement

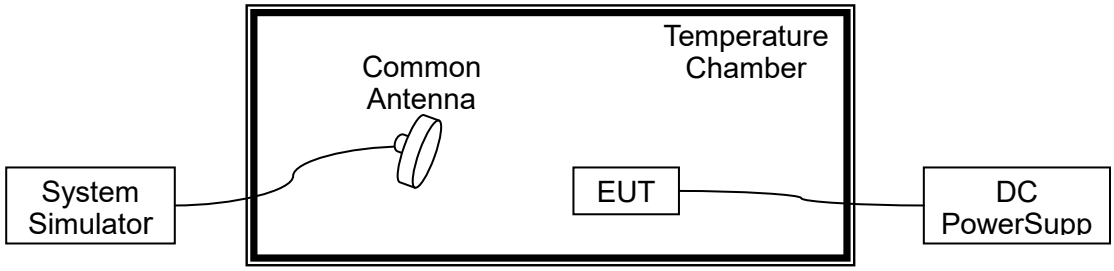
According to FCC section 2.1055, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

(a) The temperature is varied from 0°C to +45°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 -10°C to 50°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 3.60VDC, which are specified by the applicant; the normal temperature here used is 20°C.

B66_n2, QPSK, Channel 376000, SCS 15kHz, Frequency 1880.0MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	18	0.010	PASS
Normal		-10	-5	-0.003	
Normal		0	15	0.008	
Normal		+10	1	0.001	
Normal		+20	19	**0.010**	
Normal		+30	16	0.009	
Normal		+40	17	0.009	
Normal		+50	11	0.006	
High	4.40	+20	13	0.007	
BATT.ENDPOINT	3.60	+20	14	0.007	

B66_n5, QPSK, Channel 167300, SCS 15kHz, Frequency 836.5 MHz Limit=±2.5ppm					
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	14	0.017	PASS
Normal		-10	10	0.012	
Normal		0	13	0.016	
Normal		+10	18	0.022	
Normal		+20	-8	-0.010	
Normal		+30	13	0.016	
Normal		+40	22	**0.026**	
Normal		+50	-5	-0.006	
High	4.40	+20	13	0.016	
BATT.ENDPOINT	3.60	+20	18	0.022	

B66_n41, QPSK, Channel 518598, SCS 30kHz, Frequency 2593MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	13	0.005	PASS
Normal		-10	5	0.002	
Normal		0	19	0.007	
Normal		+10	9	0.003	
Normal		+20	20	**0.008**	
Normal		+30	11	0.004	
Normal		+40	17	0.007	
Normal		+50	-11	-0.004	
High	4.40	+20	16	0.006	
BATT.ENDPOINT	3.60	+20	17	0.007	

B12_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)	-19	-0.011	PASS
Normal		-10	-3	-0.002	
Normal		0	18	0.010	
Normal		+10	-20	-0.011	
Normal		+20	22	**0.013**	
Normal		+30	14	0.008	
Normal		+40	2	0.001	
Normal		+50	16	0.009	
High	4.40	+20	-7	-0.004	
BATT.ENDPOINT	3.60	+20	19	0.011	

B2_n71, QPSK, Channel 136100, SCS 15kHz, Frequency 680.5 MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	16	**0.024**	PASS
Normal		-10	-15	-0.022	
Normal		0	5	0.007	
Normal		+10	15	0.022	
Normal		+20	-15	-0.022	
Normal		+30	13	0.019	
Normal		+40	-13	-0.019	
Normal		+50	-5	-0.007	
High	4.40	+20	14	0.021	
BATT.ENDPOINT	3.60	+20	14	0.021	

B12_n77(3450-3550MHz), QPSK, Channel 633334, SCS 30kHz, Frequency 3550MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	-15	-0.004	PASS
Normal		-10	22	0.006	
Normal		0	-22	-0.006	
Normal		+10	22	0.006	
Normal		+20	6	0.002	
Normal		+30	17	0.005	
Normal		+40	17	0.005	
Normal		+50	20	0.006	
High	4.40	+20	23	**0.007**	
BATT.ENDPOINT	3.60	+20	3	0.001	

B12_N77(3700-3980MHz), QPSK, Channel 656000, SCS 30kHz, Frequency 3840MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Fre. Dev. (Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	16	0.004	PASS
Normal		-10	16	0.004	
Normal		0	0	0.000	
Normal		+10	13	0.003	
Normal		+20	8	0.002	
Normal		+30	16	0.004	
Normal		+40	4	0.001	
Normal		+50	16	0.004	
High	4.40	+20	13	0.003	
BATT.ENDPOINT	3.60	+20	19	**0.005**	

2.4. Peak to Average Ratio

2.4.1.Requirement

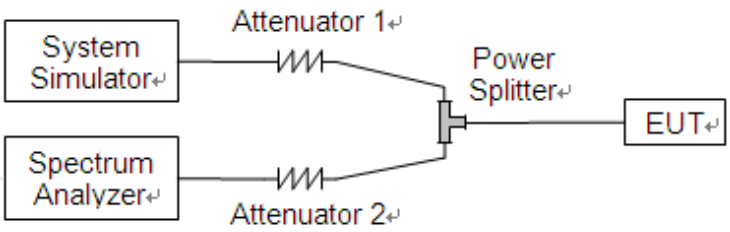
According to FCC section 24.232(d) for n2,in measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

According to FCC section 27.50(d)(5) for n66, 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.

According to FCC section 27.50(j)(4) and 25.50(k)(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.

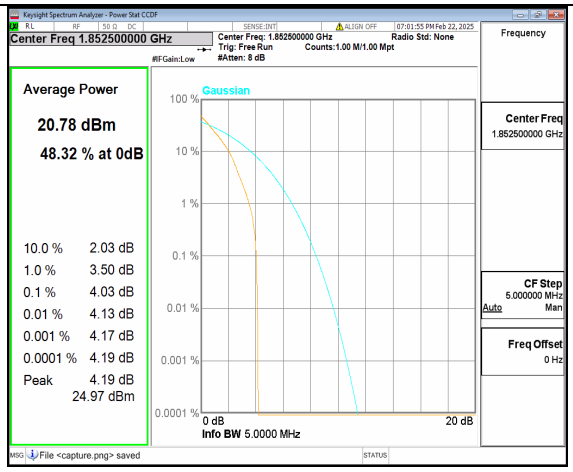
2.4.4.Test Result

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

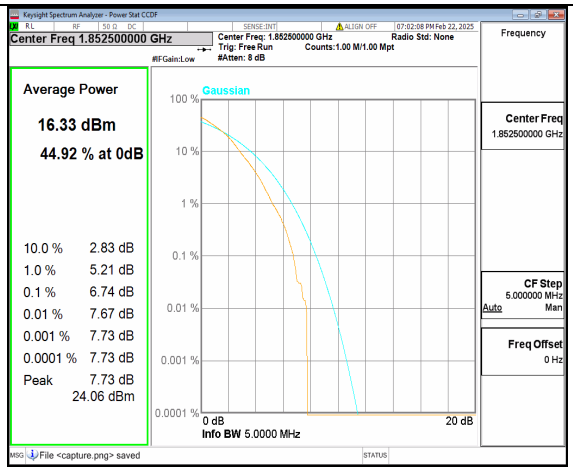
Band	SCS (kHz)	BW (MHz)	ARFCN	Modulation	RB	Result (dB)	Limit (dB)	Verdict
66A_n2	15	5	370500	DFT-s-OFDM PI/2 BPSK	25/0	4.03	13	PASS
66A_n2	15	5	370500	DFT-s-OFDM 256QAM	25/0	6.74	13	PASS
66A_n2	15	5	370500	CP-OFDM QPSK	25/0	7.72	13	PASS
66A_n2	15	5	370500	CP-OFDM 256QAM	25/0	8.89	13	PASS
66A_n2	15	5	376000	DFT-s-OFDM PI/2 BPSK	25/0	4.4	13	PASS
66A_n2	15	5	376000	DFT-s-OFDM 256QAM	25/0	6.87	13	PASS
66A_n2	15	5	376000	CP-OFDM QPSK	25/0	7.52	13	PASS
66A_n2	15	5	376000	CP-OFDM 256QAM	25/0	9.73	13	PASS
66A_n2	15	5	381500	DFT-s-OFDM PI/2 BPSK	25/0	4.34	13	PASS
66A_n2	15	5	381500	DFT-s-OFDM 256QAM	25/0	6.88	13	PASS
66A_n2	15	5	381500	CP-OFDM QPSK	25/0	7.62	13	PASS
66A_n2	15	5	381500	CP-OFDM 256QAM	25/0	8.86	13	PASS
66A_n2	15	10	371000	DFT-s-OFDM PI/2 BPSK	50/0	4.76	13	PASS
66A_n2	15	10	371000	DFT-s-OFDM 256QAM	50/0	6.72	13	PASS
66A_n2	15	10	371000	CP-OFDM QPSK	52/0	7.26	13	PASS
66A_n2	15	10	371000	CP-OFDM 256QAM	52/0	8.83	13	PASS
66A_n2	15	10	376000	DFT-s-OFDM PI/2 BPSK	50/0	4.48	13	PASS
66A_n2	15	10	376000	DFT-s-OFDM 256QAM	50/0	6.86	13	PASS
66A_n2	15	10	376000	CP-OFDM QPSK	52/0	7.58	13	PASS
66A_n2	15	10	376000	CP-OFDM 256QAM	52/0	8.91	13	PASS

66A_n2	15	10	381000	DFT-s-OFDM PI/2 BPSK	50/0	4.56	13	PASS
66A_n2	15	10	381000	DFT-s-OFDM 256QAM	50/0	6.69	13	PASS
66A_n2	15	10	381000	CP-OFDM QPSK	52/0	7.79	13	PASS
66A_n2	15	10	381000	CP-OFDM 256QAM	52/0	8.91	13	PASS
66A_n2	15	15	371500	DFT-s-OFDM PI/2 BPSK	75/0	4.18	13	PASS
66A_n2	15	15	371500	DFT-s-OFDM 256QAM	75/0	7.02	13	PASS
66A_n2	15	15	371500	CP-OFDM QPSK	79/0	7.48	13	PASS
66A_n2	15	15	371500	CP-OFDM 256QAM	79/0	8.61	13	PASS
66A_n2	15	15	376000	DFT-s-OFDM PI/2 BPSK	75/0	4.45	13	PASS
66A_n2	15	15	376000	DFT-s-OFDM 256QAM	75/0	7.11	13	PASS
66A_n2	15	15	376000	CP-OFDM QPSK	79/0	7.6	13	PASS
66A_n2	15	15	376000	CP-OFDM 256QAM	79/0	8.48	13	PASS
66A_n2	15	15	380500	DFT-s-OFDM PI/2 BPSK	75/0	4.39	13	PASS
66A_n2	15	15	380500	DFT-s-OFDM 256QAM	75/0	6.61	13	PASS
66A_n2	15	15	380500	CP-OFDM QPSK	79/0	7.57	13	PASS
66A_n2	15	15	380500	CP-OFDM 256QAM	79/0	8.56	13	PASS
66A_n2	15	20	372000	DFT-s-OFDM PI/2 BPSK	100/0	4.63	13	PASS
66A_n2	15	20	372000	DFT-s-OFDM 256QAM	100/0	6.86	13	PASS
66A_n2	15	20	372000	CP-OFDM QPSK	106/0	7.22	13	PASS
66A_n2	15	20	372000	CP-OFDM 256QAM	106/0	8.87	13	PASS
66A_n2	15	20	376000	DFT-s-OFDM PI/2 BPSK	100/0	8.42	13	PASS
66A_n2	15	20	376000	DFT-s-OFDM 256QAM	100/0	6.84	13	PASS
66A_n2	15	20	376000	CP-OFDM QPSK	106/0	7.81	13	PASS
66A_n2	15	20	376000	CP-OFDM 256QAM	106/0	8.69	13	PASS
66A_n2	15	20	380000	DFT-s-OFDM	100/0	4.82	13	PASS

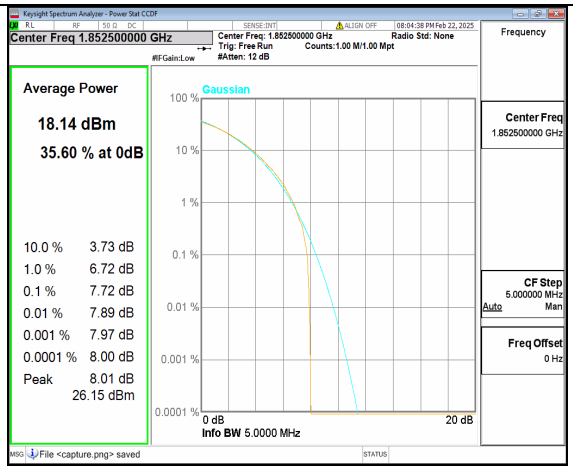
				PI/2 BPSK				
66A_n2	15	20	380000	DFT-s-OFDM 256QAM	100/0	6.91	13	PASS
66A_n2	15	20	380000	CP-OFDM QPSK	106/0	7.6	13	PASS
66A_n2	15	20	380000	CP-OFDM 256QAM	106/0	8.62	13	PASS



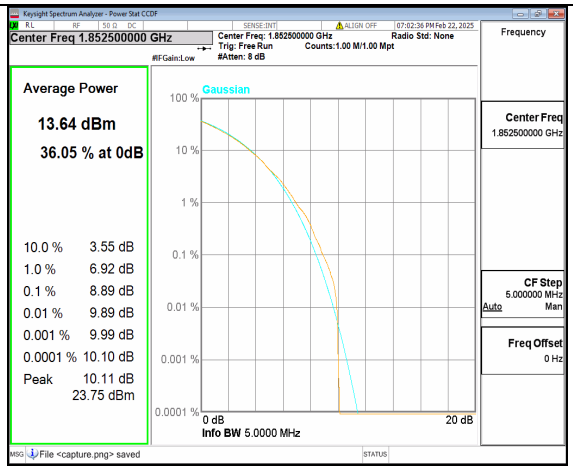
66A_n2 5M DFT-s-OFDM BPSK Outer_Full Low



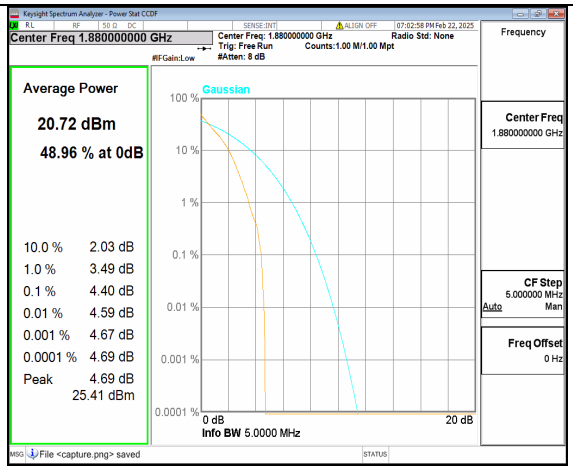
66A_n2 5M DFT-s-OFDM 256QAM Outer_Full Low



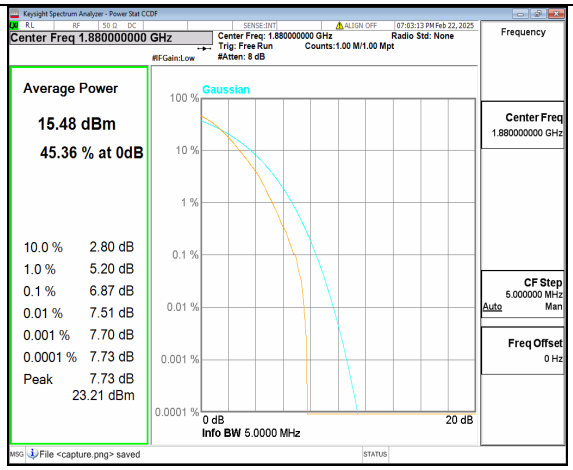
66A_n2 5M CP-OFDM QPSK Outer_Full Low



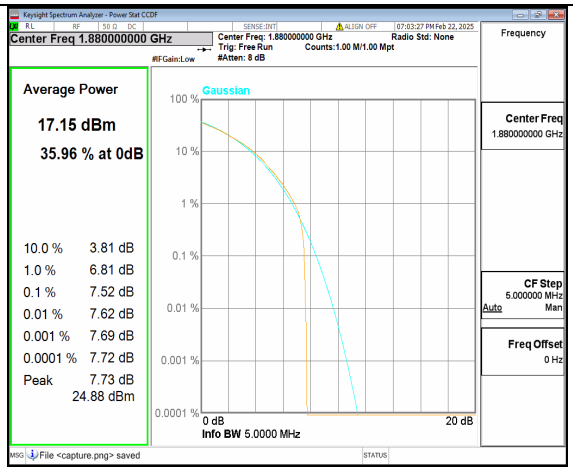
66A_n2 5M CP-OFDM 256QAM Outer_Full Low



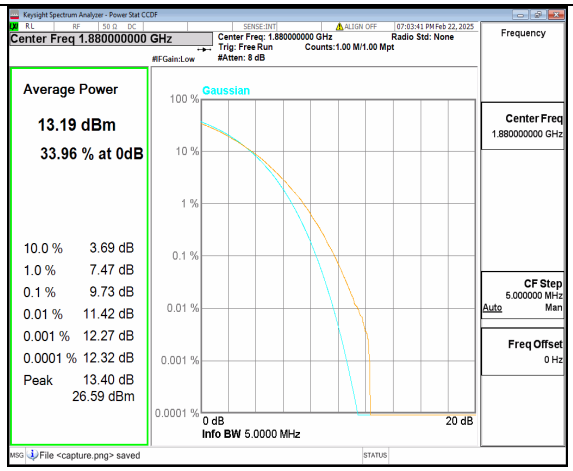
66A_n2 5M DFT-s-OFDM BPSK Outer_Full Mid



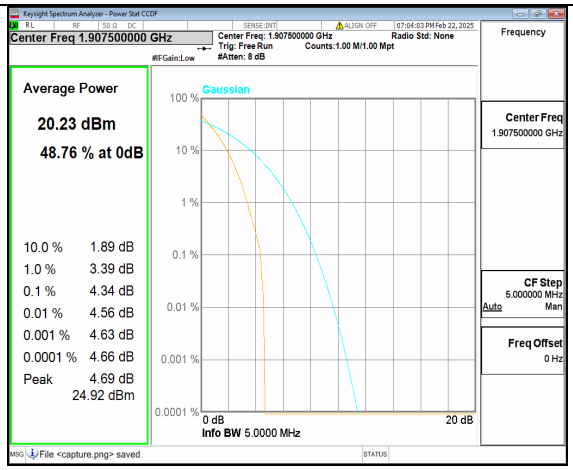
66A_n2 5M DFT-s-OFDM 256QAM Outer_Full Mid



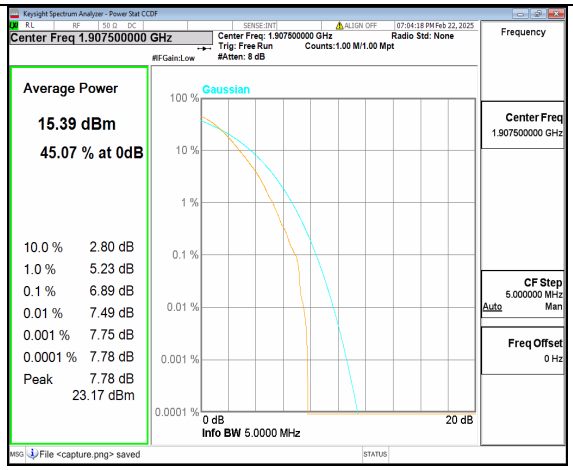
66A_n2 5M CP-OFDM QPSK Outer_Full Mid



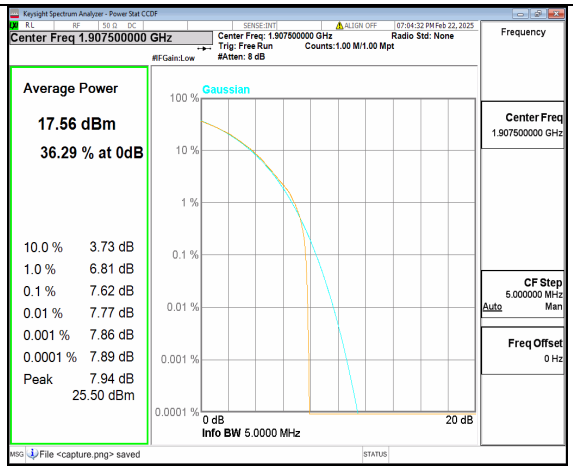
66A_n2 5M CP-OFDM 256QAM Outer_Full Mid



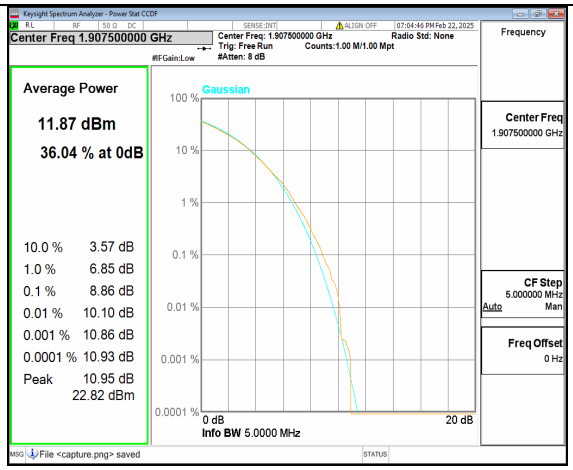
66A_n2 5M DFT-s-OFDM BPSK Outer_Full High



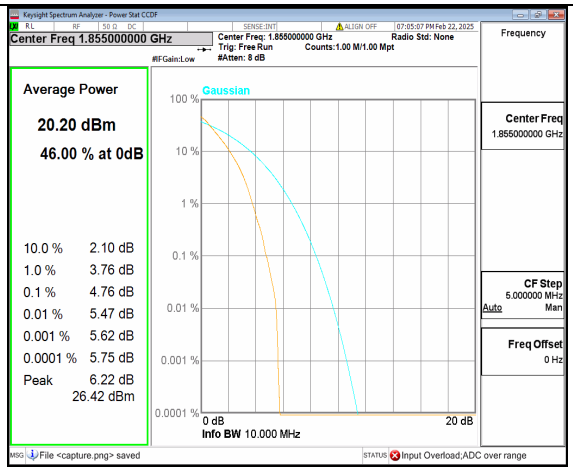
66A_n2 5M DFT-s-OFDM 256QAM Outer_Full High



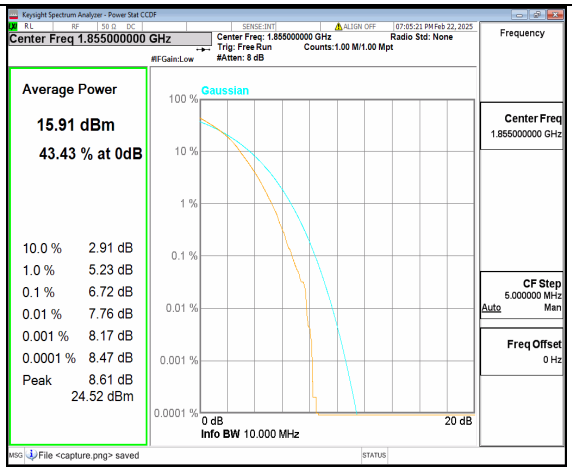
66A_n2 5M CP-OFDM QPSK Outer_Full High



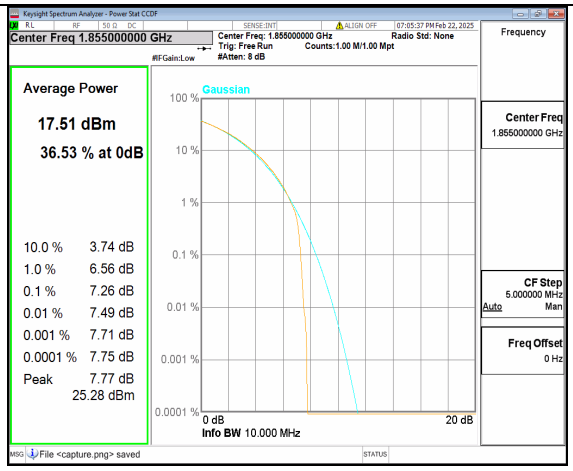
66A_n2 5M CP-OFDM 256QAM Outer_Full High



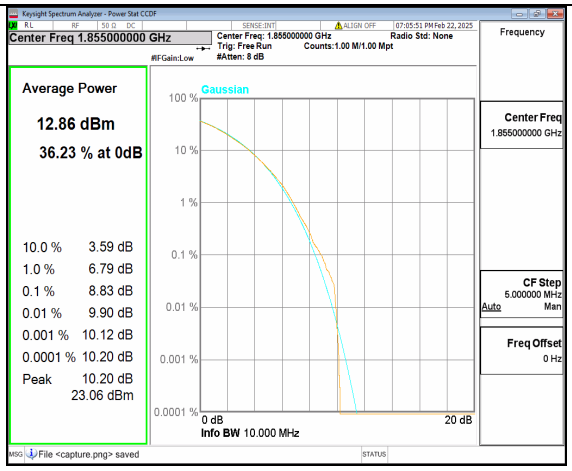
66A_n2 10M DFT-s-OFDM BPSK Outer_Full Low



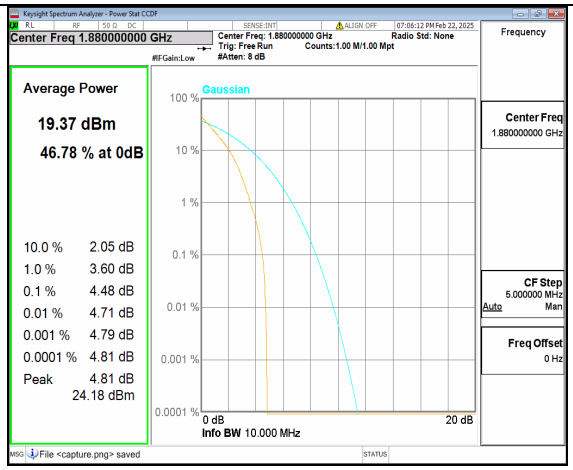
66A_n2 10M DFT-s-OFDM 256QAM Outer_Full Low



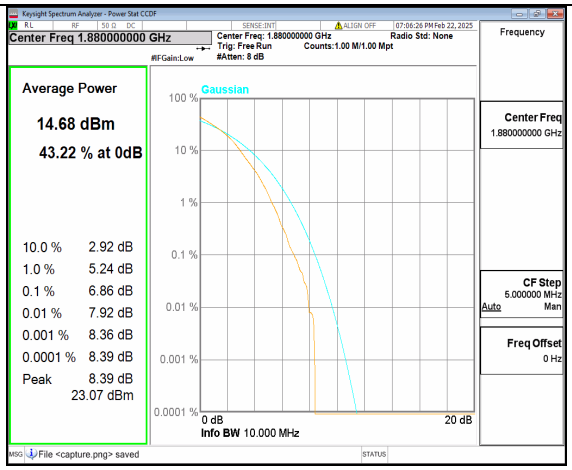
66A_n2 10M CP-OFDM QPSK Outer_Full Low



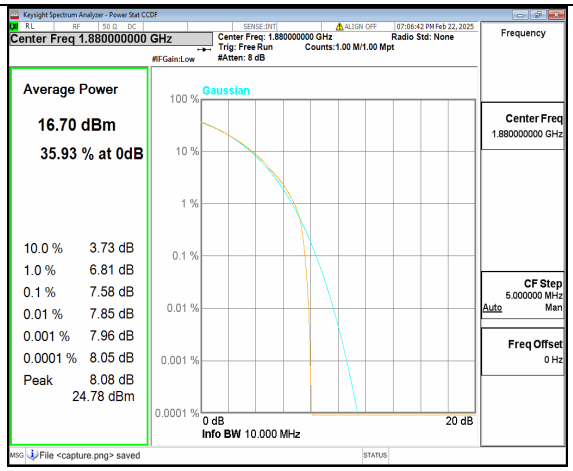
66A_n2 10M CP-OFDM 256QAM Outer_Full Low



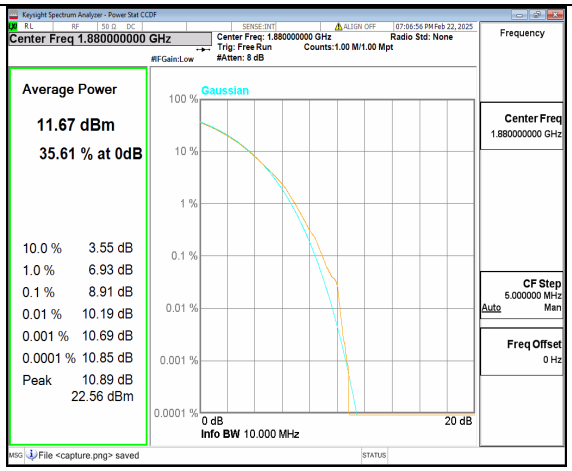
66A_n2 10M DFT-s-OFDM BPSK Outer_Full Mid



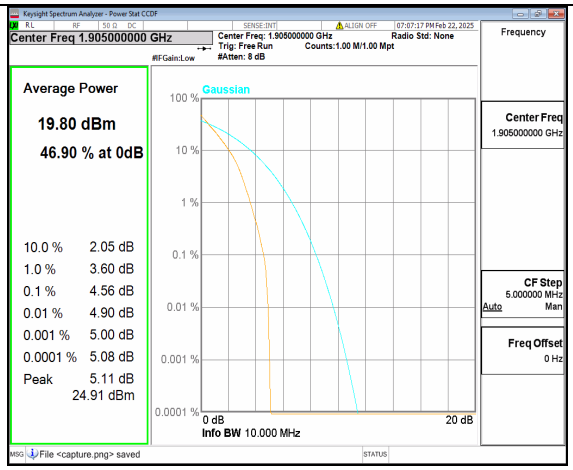
66A_n2 10M DFT-s-OFDM 256QAM Outer_Full Mid



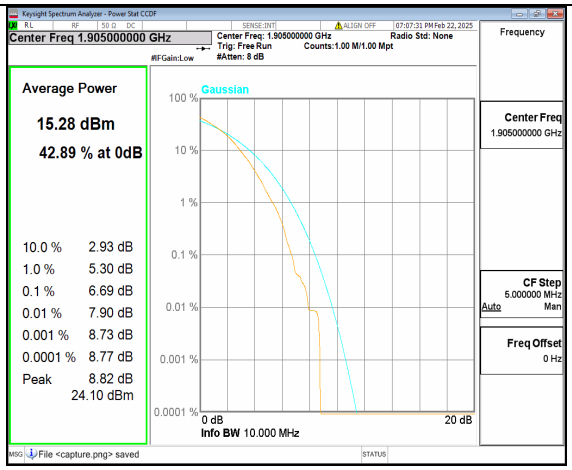
66A_n2 10M CP-OFDM QPSK Outer_Full Mid



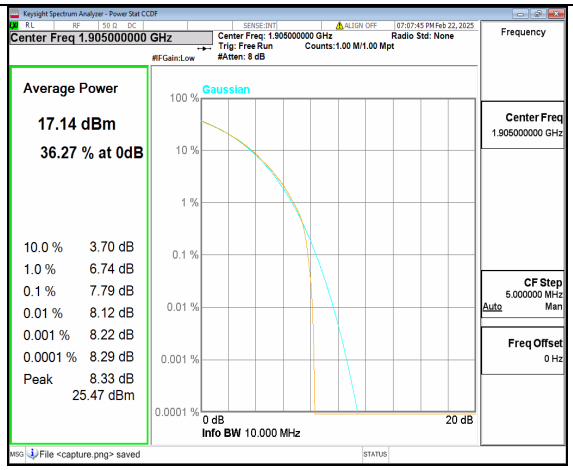
66A_n2 10M CP-OFDM 256QAM Outer_Full Mid



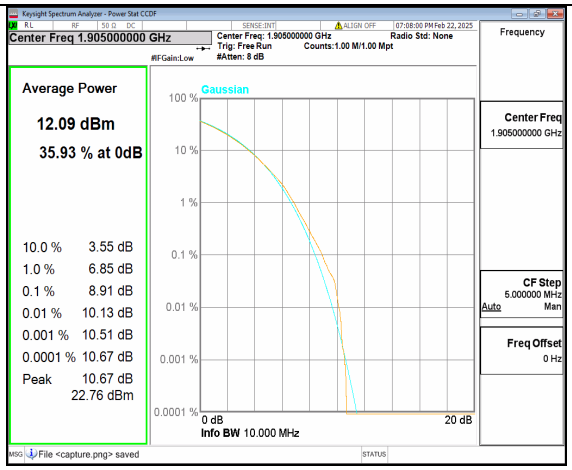
66A_n2 10M DFT-s-OFDM BPSK Outer_Full High



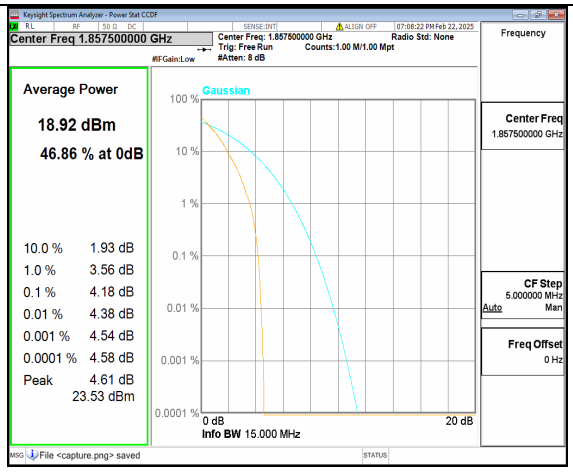
66A_n2 10M DFT-s-OFDM 256QAM Outer_Full High



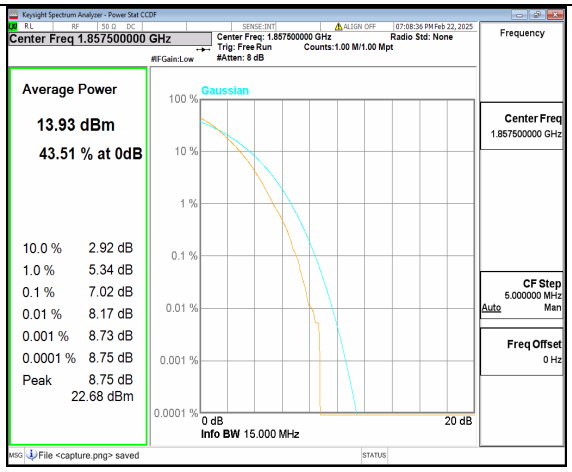
66A_n2 10M CP-OFDM QPSK Outer_Full High



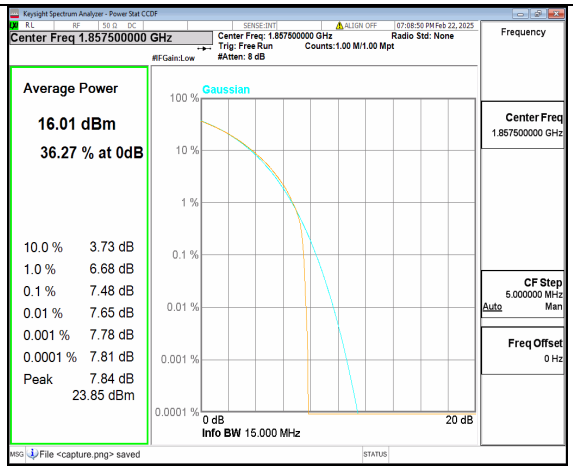
66A_n2 10M CP-OFDM 256QAM Outer_Full High



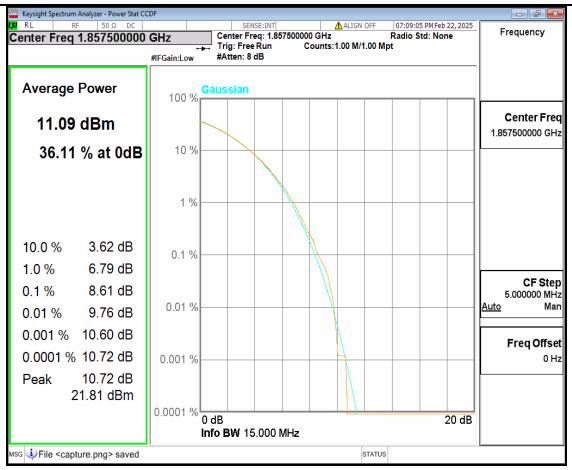
66A_n2 15M DFT-s-OFDM BPSK Outer_Full Low



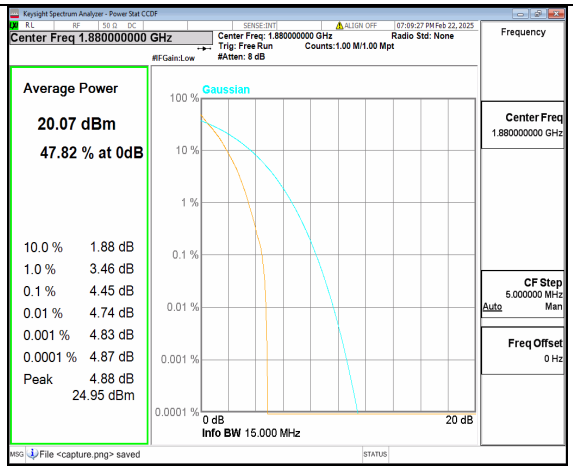
66A_n2 15M DFT-s-OFDM 256QAM Outer_Full Low



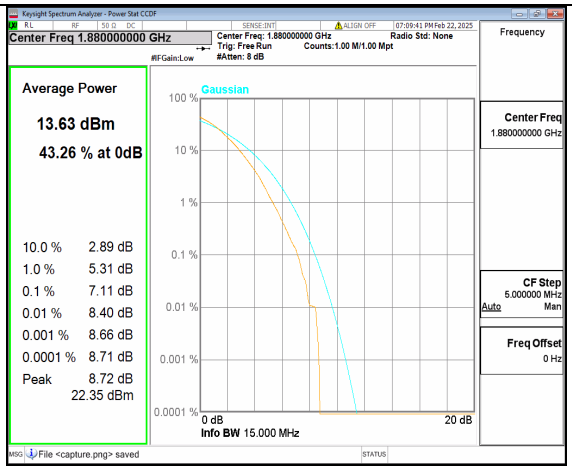
66A_n2 15M CP-OFDM QPSK Outer_Full Low



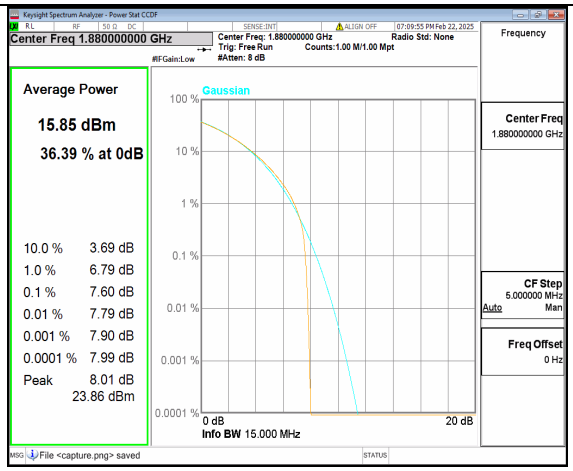
66A_n2 15M CP-OFDM 256QAM Outer_Full Low



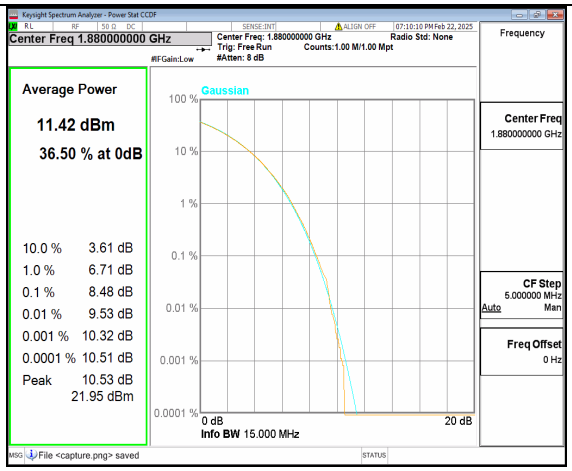
66A_n2 15M DFT-s-OFDM BPSK Outer_Full Mid



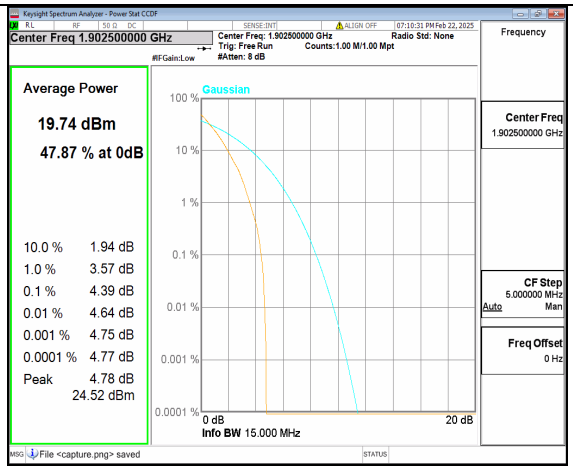
66A_n2 15M DFT-s-OFDM 256QAM Outer_Full Mid



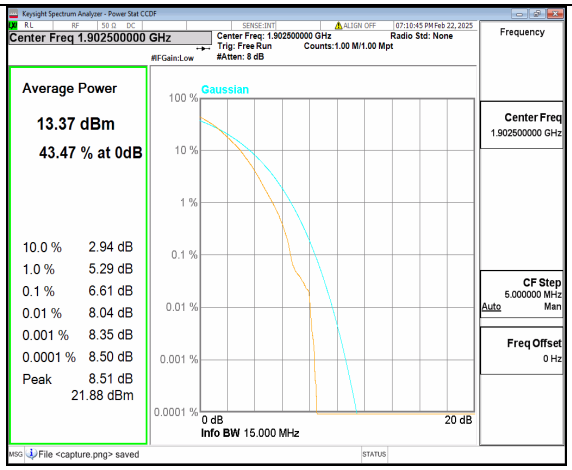
66A_n2 15M CP-OFDM QPSK Outer_Full Mid



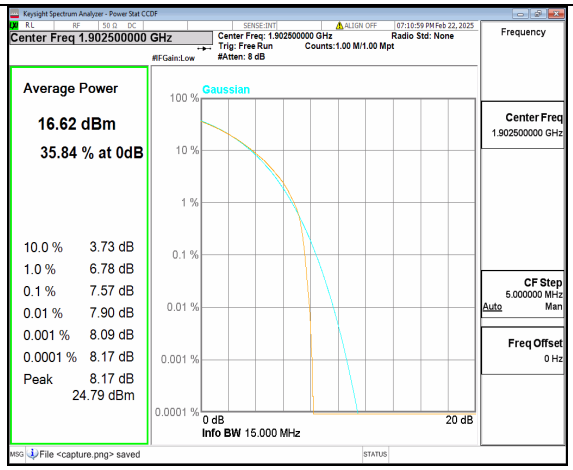
66A_n2 15M CP-OFDM 256QAM Outer_Full Mid



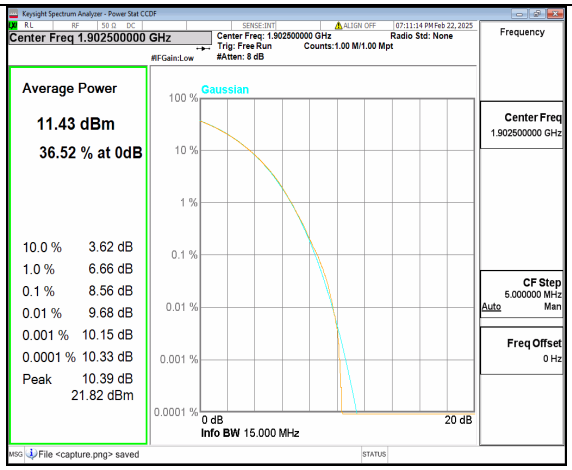
66A_n2 15M DFT-s-OFDM BPSK Outer_Full High



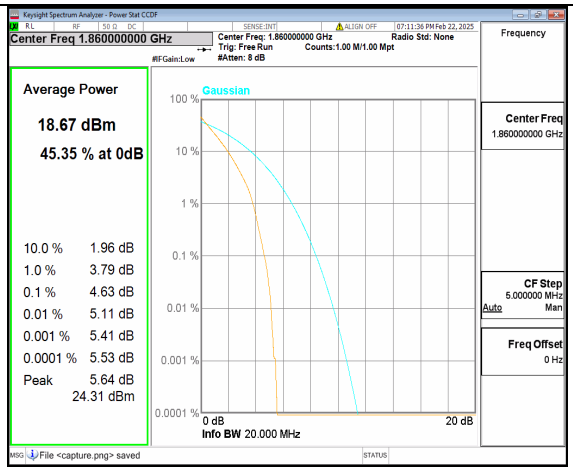
66A_n2 15M DFT-s-OFDM 256QAM Outer_Full High



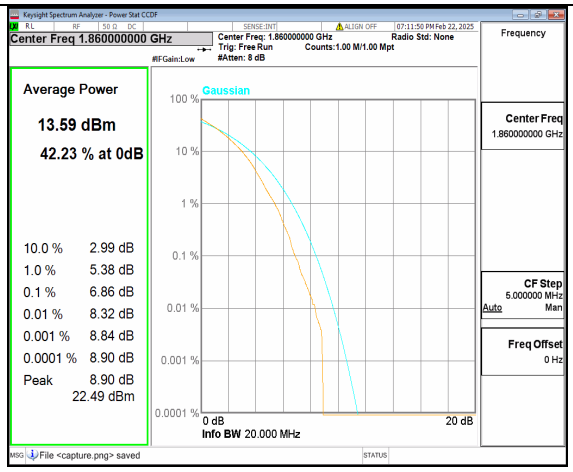
66A_n2 15M CP-OFDM QPSK Outer_Full High



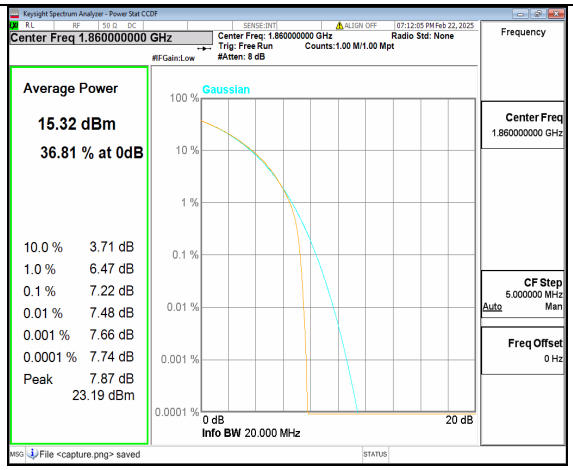
66A_n2 15M CP-OFDM 256QAM Outer_Full High



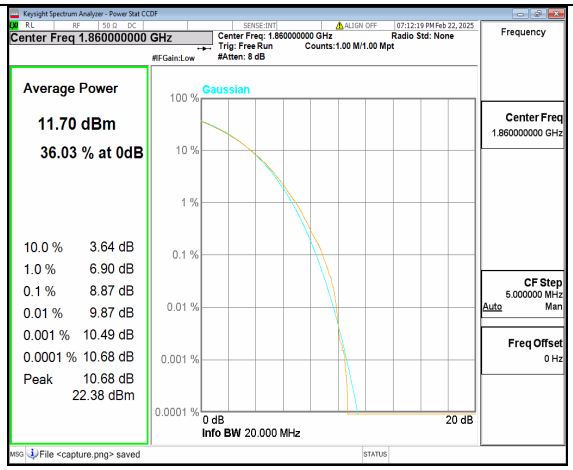
66A_n2 20M DFT-s-OFDM BPSK Outer_Full Low



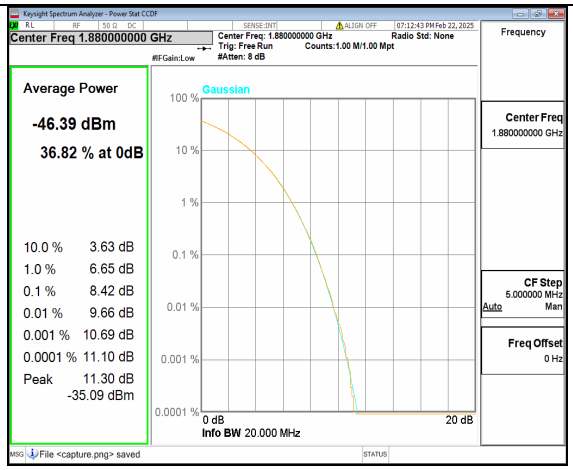
66A_n2 20M DFT-s-OFDM 256QAM Outer_Full Low



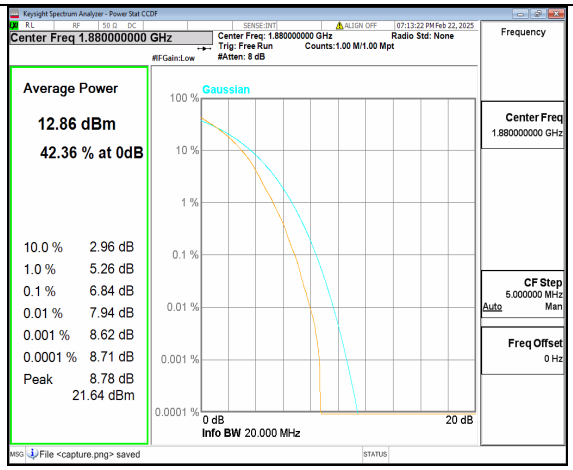
66A_n2 20M CP-OFDM QPSK Outer_Full Low



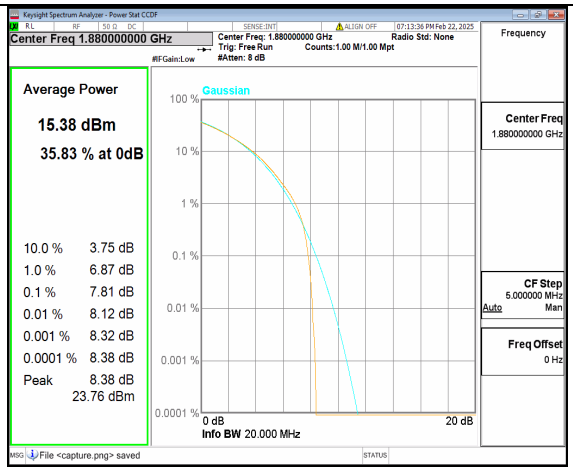
66A_n2 20M CP-OFDM 256QAM Outer_Full Low



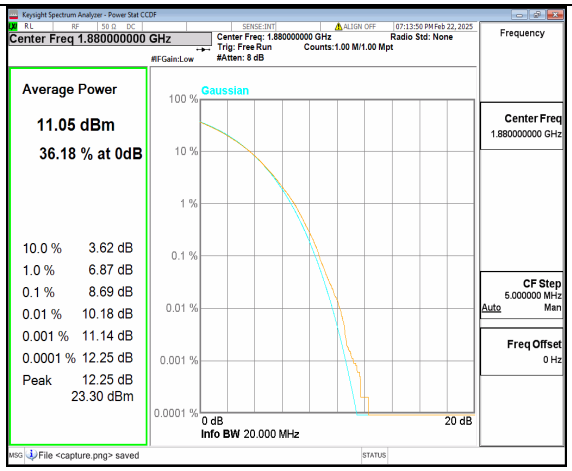
66A_n2 20M DFT-s-OFDM BPSK Outer_Full Mid



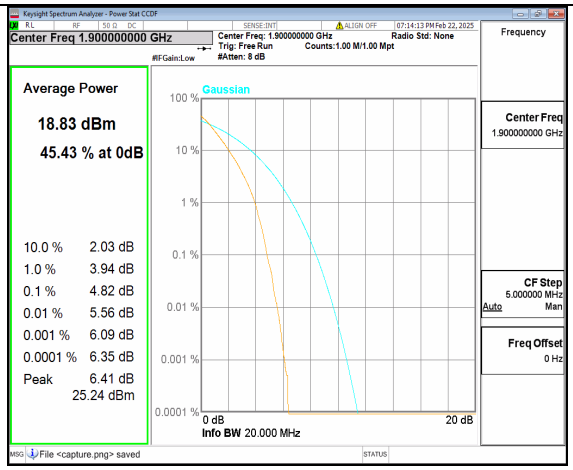
66A_n2 20M DFT-s-OFDM 256QAM Outer_Full Mid



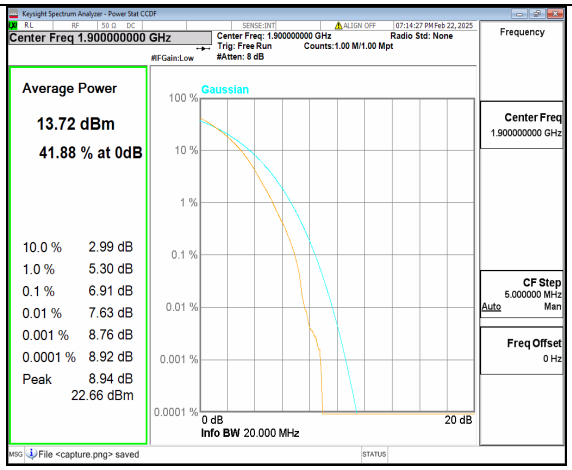
66A_n2 20M CP-OFDM QPSK Outer_Full Mid



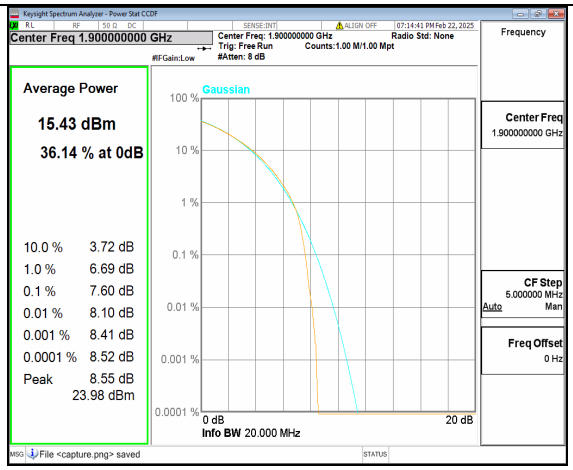
66A_n2 20M CP-OFDM 256QAM Outer_Full Mid



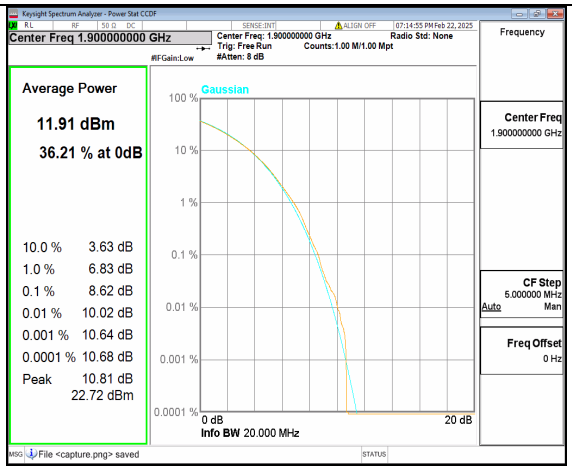
66A_n2 20M DFT-s-OFDM BPSK Outer_Full High



66A_n2 20M DFT-s-OFDM 256QAM Outer_Full High



66A_n2 20M CP-OFDM QPSK Outer_Full High



66A_n2 20M CP-OFDM 256QAM Outer_Full High

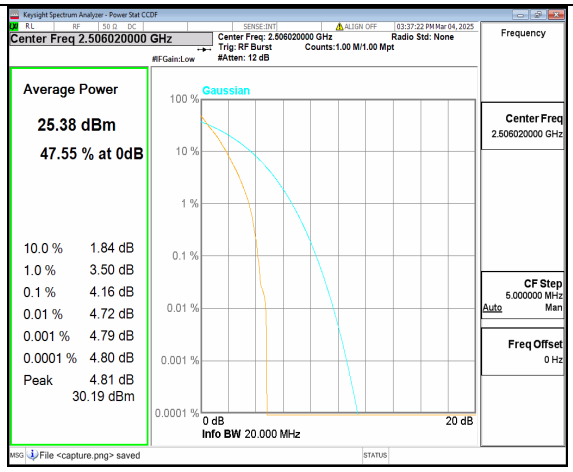
Band	SCS (kHz)	BW (MHz)	ARFCN	Modulation	RB	Result (dB)	Limit (dB)	Verdict
66A_n41	30	20	501204	DFT-s-OFDM PI/2 BPSK	50/0	4.16	13	PASS
66A_n41	30	20	501204	DFT-s-OFDM 256QAM	50/0	6.69	13	PASS
66A_n41	30	20	501204	CP-OFDM QPSK	51/0	7.39	13	PASS
66A_n41	30	20	501204	CP-OFDM 256QAM	51/0	8.76	13	PASS
66A_n41	30	20	518598	DFT-s-OFDM PI/2 BPSK	50/0	4.26	13	PASS
66A_n41	30	20	518598	DFT-s-OFDM 256QAM	50/0	6.72	13	PASS
66A_n41	30	20	518598	CP-OFDM QPSK	51/0	7.34	13	PASS
66A_n41	30	20	518598	CP-OFDM 256QAM	51/0	8.81	13	PASS
66A_n41	30	20	535998	DFT-s-OFDM PI/2 BPSK	50/0	4.17	13	PASS
66A_n41	30	20	535998	DFT-s-OFDM 256QAM	50/0	6.59	13	PASS
66A_n41	30	20	535998	CP-OFDM QPSK	51/0	7.31	13	PASS
66A_n41	30	20	535998	CP-OFDM 256QAM	51/0	8.9	13	PASS
66A_n41	30	30	502200	DFT-s-OFDM PI/2 BPSK	75/0	4	13	PASS
66A_n41	30	30	502200	DFT-s-OFDM 256QAM	75/0	6.35	13	PASS
66A_n41	30	30	502200	CP-OFDM QPSK	78/0	7.22	13	PASS
66A_n41	30	30	502200	CP-OFDM 256QAM	78/0	8.53	13	PASS
66A_n41	30	30	518598	DFT-s-OFDM PI/2 BPSK	75/0	4.03	13	PASS
66A_n41	30	30	518598	DFT-s-OFDM 256QAM	75/0	6.49	13	PASS
66A_n41	30	30	518598	CP-OFDM QPSK	78/0	7.11	13	PASS
66A_n41	30	30	518598	CP-OFDM 256QAM	78/0	8.64	13	PASS
66A_n41	30	30	534996	DFT-s-OFDM PI/2 BPSK	75/0	4.26	13	PASS
66A_n41	30	30	534996	DFT-s-OFDM 256QAM	75/0	6.52	13	PASS
66A_n41	30	30	534996	CP-OFDM QPSK	78/0	7.58	13	PASS

66A_n41	30	30	534996	CP-OFDM 256QAM	78/0	8.75	13	PASS
66A_n41	30	40	503202	DFT-s-OFDM PI/2 BPSK	100/0	3.91	13	PASS
66A_n41	30	40	503202	DFT-s-OFDM 256QAM	100/0	6.91	13	PASS
66A_n41	30	40	503202	CP-OFDM QPSK	106/0	7.21	13	PASS
66A_n41	30	40	503202	CP-OFDM 256QAM	106/0	8.29	13	PASS
66A_n41	30	40	518598	DFT-s-OFDM PI/2 BPSK	100/0	3.89	13	PASS
66A_n41	30	40	518598	DFT-s-OFDM 256QAM	100/0	7.02	13	PASS
66A_n41	30	40	518598	CP-OFDM QPSK	106/0	7.06	13	PASS
66A_n41	30	40	518598	CP-OFDM 256QAM	106/0	8.38	13	PASS
66A_n41	30	40	534000	DFT-s-OFDM PI/2 BPSK	100/0	4.07	13	PASS
66A_n41	30	40	534000	DFT-s-OFDM 256QAM	100/0	6.97	13	PASS
66A_n41	30	40	534000	CP-OFDM QPSK	106/0	7.55	13	PASS
66A_n41	30	40	534000	CP-OFDM 256QAM	106/0	8.45	13	PASS
66A_n41	30	50	504204	DFT-s-OFDM PI/2 BPSK	128/0	4.13	13	PASS
66A_n41	30	50	504204	DFT-s-OFDM 256QAM	128/0	6.69	13	PASS
66A_n41	30	50	504204	CP-OFDM QPSK	133/0	7.57	13	PASS
66A_n41	30	50	504204	CP-OFDM 256QAM	133/0	8.47	13	PASS
66A_n41	30	50	518598	DFT-s-OFDM PI/2 BPSK	128/0	3.83	13	PASS
66A_n41	30	50	518598	DFT-s-OFDM 256QAM	128/0	6.78	13	PASS
66A_n41	30	50	518598	CP-OFDM QPSK	133/0	7.07	13	PASS
66A_n41	30	50	518598	CP-OFDM 256QAM	133/0	8.48	13	PASS
66A_n41	30	50	532998	DFT-s-OFDM PI/2 BPSK	128/0	4.03	13	PASS
66A_n41	30	50	532998	DFT-s-OFDM 256QAM	128/0	6.75	13	PASS
66A_n41	30	50	532998	CP-OFDM QPSK	133/0	6.94	13	PASS
66A_n41	30	50	532998	CP-OFDM	133/0	8.46	13	PASS

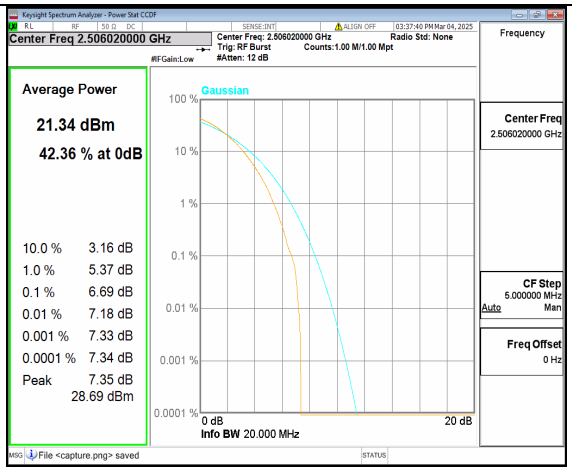
				256QAM				
66A_n41	30	60	505200	DFT-s-OFDM PI/2 BPSK	162/0	4.29	13	PASS
66A_n41	30	60	505200	DFT-s-OFDM 256QAM	162/0	6.74	13	PASS
66A_n41	30	60	505200	CP-OFDM QPSK	162/0	7.04	13	PASS
66A_n41	30	60	505200	CP-OFDM 256QAM	162/0	8.42	13	PASS
66A_n41	30	60	518598	DFT-s-OFDM PI/2 BPSK	162/0	3.84	13	PASS
66A_n41	30	60	518598	DFT-s-OFDM 256QAM	162/0	6.76	13	PASS
66A_n41	30	60	518598	CP-OFDM QPSK	162/0	7.13	13	PASS
66A_n41	30	60	518598	CP-OFDM 256QAM	162/0	8.35	13	PASS
66A_n41	30	60	531996	DFT-s-OFDM PI/2 BPSK	162/0	4.02	13	PASS
66A_n41	30	60	531996	DFT-s-OFDM 256QAM	162/0	6.64	13	PASS
66A_n41	30	60	531996	CP-OFDM QPSK	162/0	7.57	13	PASS
66A_n41	30	60	531996	CP-OFDM 256QAM	162/0	8.36	13	PASS
66A_n41	30	70	506202	DFT-s-OFDM PI/2 BPSK	180/0	4.21	13	PASS
66A_n41	30	70	506202	DFT-s-OFDM 256QAM	180/0	6.55	13	PASS
66A_n41	30	70	506202	CP-OFDM QPSK	189/0	7.57	13	PASS
66A_n41	30	70	506202	CP-OFDM 256QAM	189/0	8.77	13	PASS
66A_n41	30	70	518598	DFT-s-OFDM PI/2 BPSK	180/0	4.13	13	PASS
66A_n41	30	70	518598	DFT-s-OFDM 256QAM	180/0	6.55	13	PASS
66A_n41	30	70	518598	CP-OFDM QPSK	189/0	7.27	13	PASS
66A_n41	30	70	518598	CP-OFDM 256QAM	189/0	8.72	13	PASS
66A_n41	30	70	531000	DFT-s-OFDM PI/2 BPSK	180/0	4.06	13	PASS
66A_n41	30	70	531000	DFT-s-OFDM 256QAM	180/0	6.52	13	PASS
66A_n41	30	70	531000	CP-OFDM QPSK	189/0	6.98	13	PASS
66A_n41	30	70	531000	CP-OFDM 256QAM	189/0	8.74	13	PASS

66A_n41	30	80	507204	DFT-s-OFDM PI/2 BPSK	216/0	4.23	13	PASS
66A_n41	30	80	507204	DFT-s-OFDM 256QAM	216/0	6.61	13	PASS
66A_n41	30	80	507204	CP-OFDM QPSK	217/0	7.06	13	PASS
66A_n41	30	80	507204	CP-OFDM 256QAM	217/0	8.65	13	PASS
66A_n41	30	80	518598	DFT-s-OFDM PI/2 BPSK	216/0	3.83	13	PASS
66A_n41	30	80	518598	DFT-s-OFDM 256QAM	216/0	6.62	13	PASS
66A_n41	30	80	518598	CP-OFDM QPSK	217/0	7.21	13	PASS
66A_n41	30	80	518598	CP-OFDM 256QAM	217/0	8.71	13	PASS
66A_n41	30	80	529998	DFT-s-OFDM PI/2 BPSK	216/0	3.93	13	PASS
66A_n41	30	80	529998	DFT-s-OFDM 256QAM	216/0	6.65	13	PASS
66A_n41	30	80	529998	CP-OFDM QPSK	217/0	7.62	13	PASS
66A_n41	30	80	529998	CP-OFDM 256QAM	217/0	8.72	13	PASS
66A_n41	30	90	508200	DFT-s-OFDM PI/2 BPSK	243/0	4.18	13	PASS
66A_n41	30	90	508200	DFT-s-OFDM 256QAM	243/0	6.75	13	PASS
66A_n41	30	90	508200	CP-OFDM QPSK	245/0	7.08	13	PASS
66A_n41	30	90	508200	CP-OFDM 256QAM	245/0	8.53	13	PASS
66A_n41	30	90	518598	DFT-s-OFDM PI/2 BPSK	243/0	3.79	13	PASS
66A_n41	30	90	518598	DFT-s-OFDM 256QAM	243/0	6.69	13	PASS
66A_n41	30	90	518598	CP-OFDM QPSK	245/0	7.11	13	PASS
66A_n41	30	90	518598	CP-OFDM 256QAM	245/0	8.52	13	PASS
66A_n41	30	90	528996	DFT-s-OFDM PI/2 BPSK	243/0	4.01	13	PASS
66A_n41	30	90	528996	DFT-s-OFDM 256QAM	243/0	6.67	13	PASS
66A_n41	30	90	528996	CP-OFDM QPSK	245/0	7.55	13	PASS
66A_n41	30	90	528996	CP-OFDM 256QAM	245/0	8.56	13	PASS
66A_n41	30	100	509202	DFT-s-OFDM	270/0	4.09	13	PASS

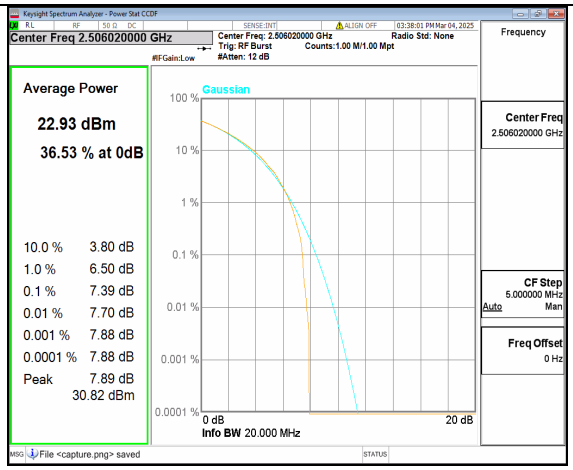
				PI/2 BPSK				
66A_n41	30	100	509202	DFT-s-OFDM 256QAM	270/0	6.64	13	PASS
66A_n41	30	100	509202	CP-OFDM QPSK	273/0	7.54	13	PASS
66A_n41	30	100	509202	CP-OFDM 256QAM	273/0	8.56	13	PASS
66A_n41	30	100	518598	DFT-s-OFDM PI/2 BPSK	270/0	4.06	13	PASS
66A_n41	30	100	518598	DFT-s-OFDM 256QAM	270/0	6.69	13	PASS
66A_n41	30	100	518598	CP-OFDM QPSK	273/0	7.61	13	PASS
66A_n41	30	100	518598	CP-OFDM 256QAM	273/0	8.55	13	PASS
66A_n41	30	100	528000	DFT-s-OFDM PI/2 BPSK	270/0	3.95	13	PASS
66A_n41	30	100	528000	DFT-s-OFDM 256QAM	270/0	6.63	13	PASS
66A_n41	30	100	528000	CP-OFDM QPSK	273/0	7.44	13	PASS
66A_n41	30	100	528000	CP-OFDM 256QAM	273/0	8.64	13	PASS



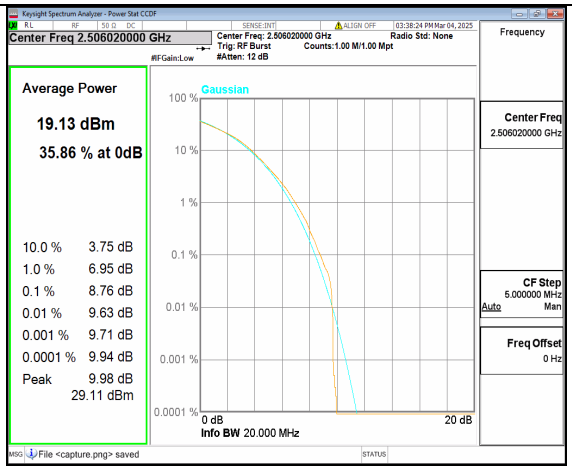
66A_n41 20M DFT-s-OFDM BPSK Outer_Full Low



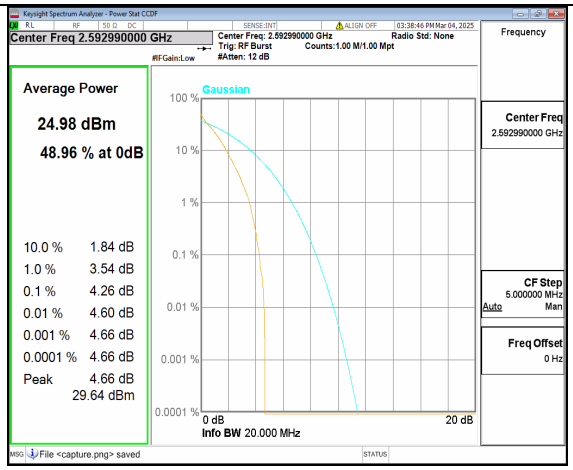
66A_n41 20M DFT-s-OFDM 256QAM Outer_Full Low



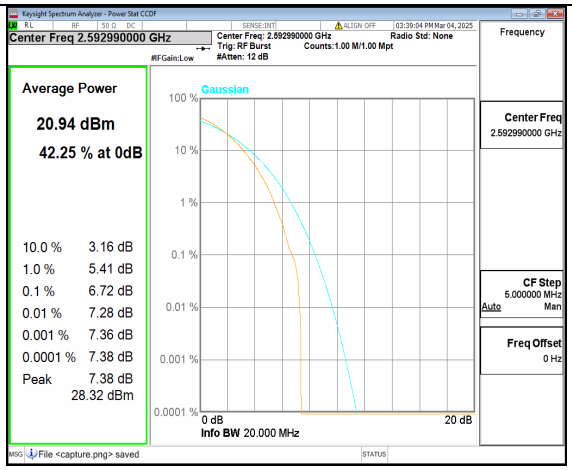
66A_n41 20M CP-OFDM QPSK Outer_Full Low



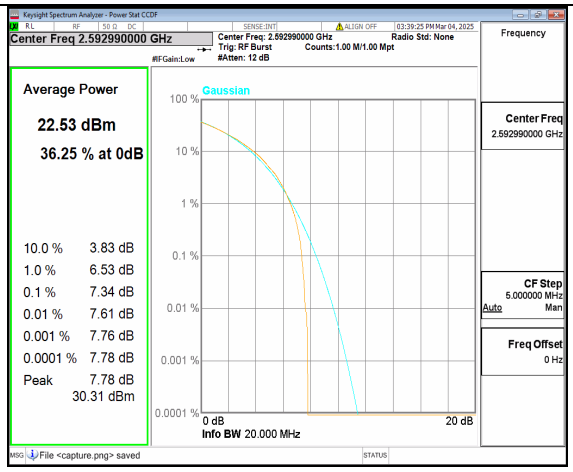
66A_n41 20M CP-OFDM 256QAM Outer_Full Low



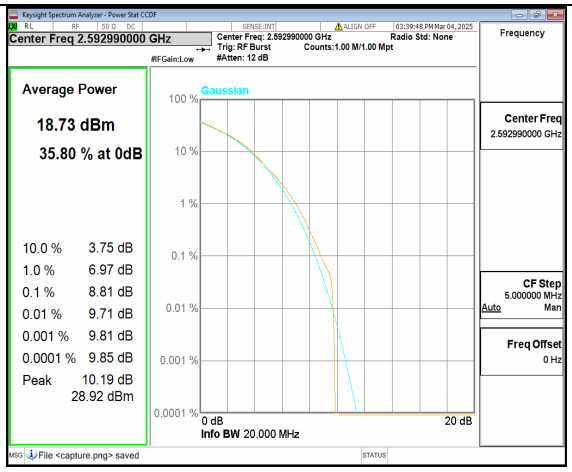
66A_n41 20M DFT-s-OFDM BPSK Outer_Full Mid



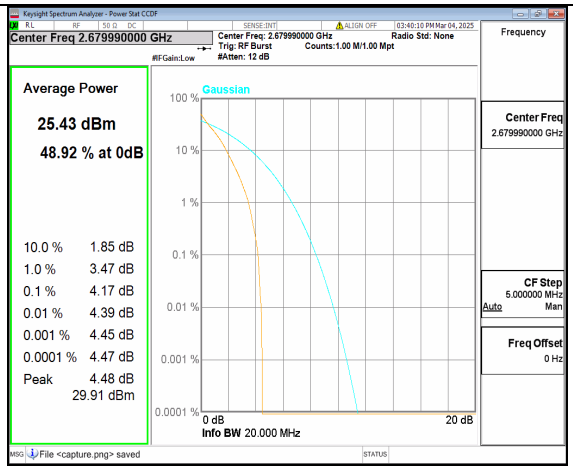
66A_n41 20M DFT-s-OFDM 256QAM Outer_Full Mid



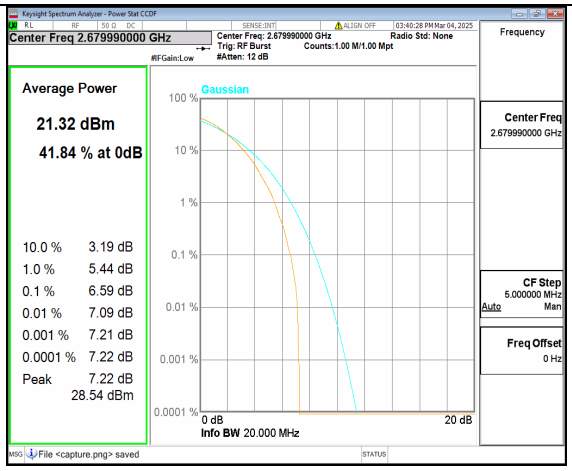
66A_n41 20M CP-OFDM QPSK Outer_Full Mid



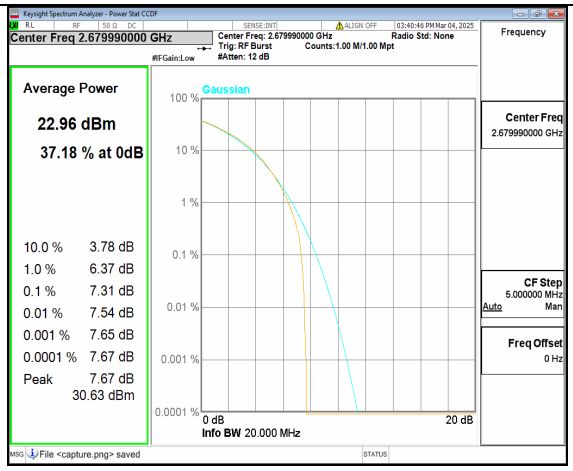
66A_n41 20M CP-OFDM 256QAM Outer_Full Mid



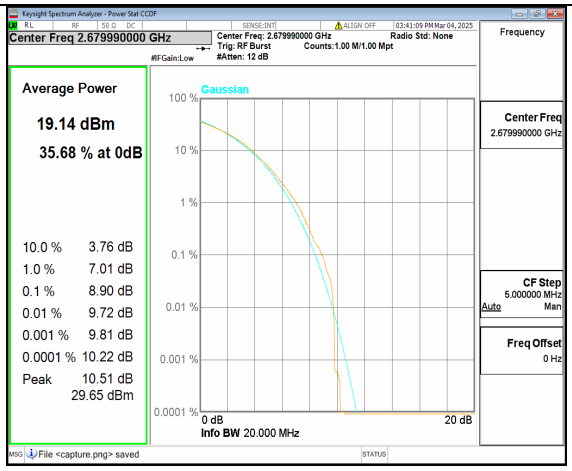
66A_n41 20M DFT-s-OFDM BPSK Outer_Full High



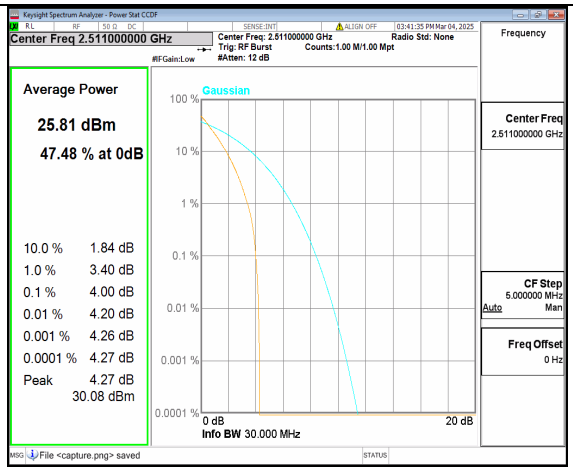
66A_n41 20M DFT-s-OFDM 256QAM Outer_Full High



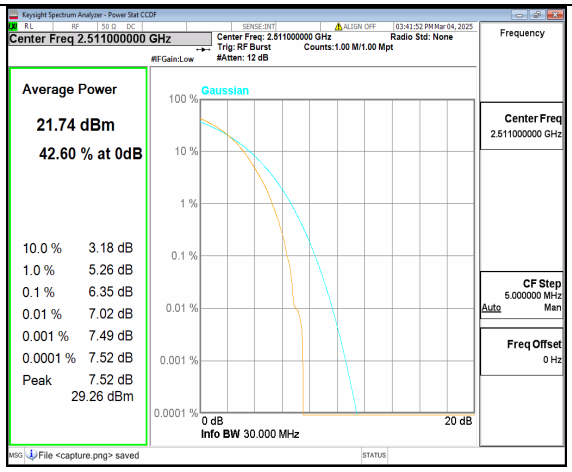
66A_n41 20M CP-OFDM QPSK Outer_Full High



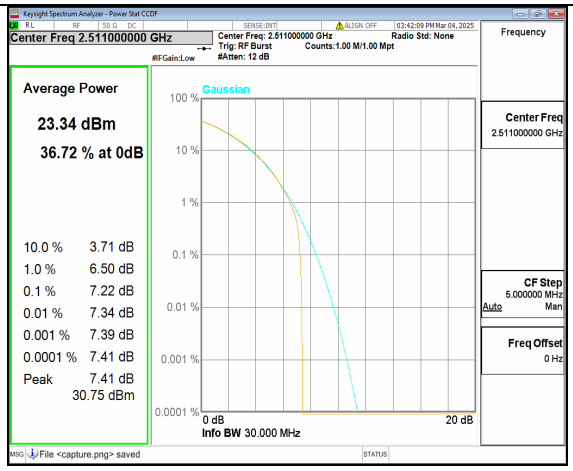
66A_n41 20M CP-OFDM 256QAM Outer_Full High



66A_n41 30M DFT-s-OFDM BPSK Outer_Full Low



66A_n41 30M DFT-s-OFDM 256QAM Outer_Full Low



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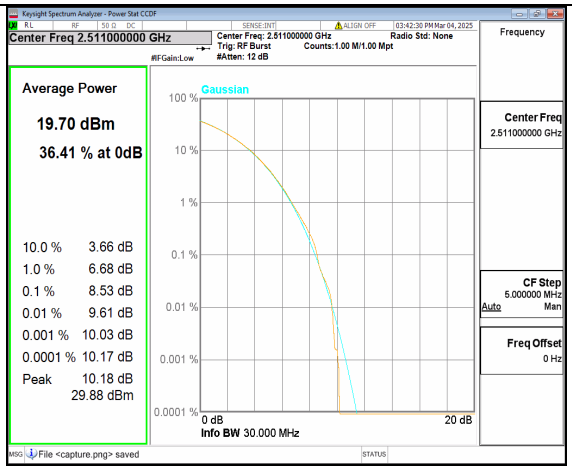
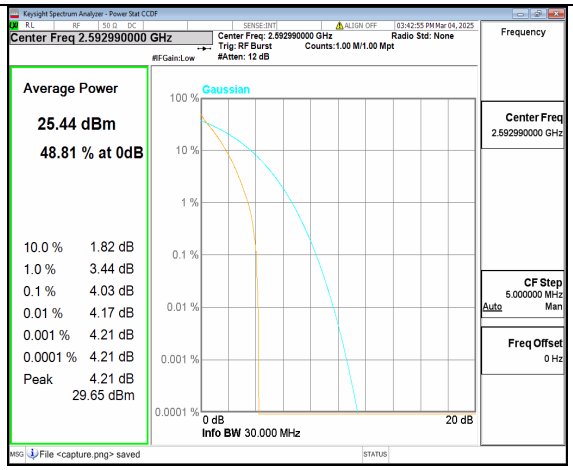
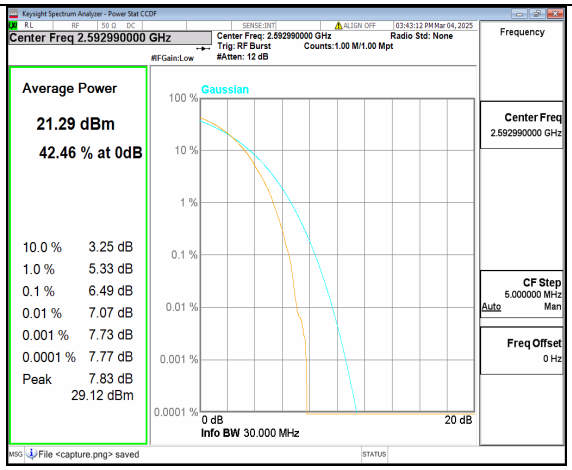


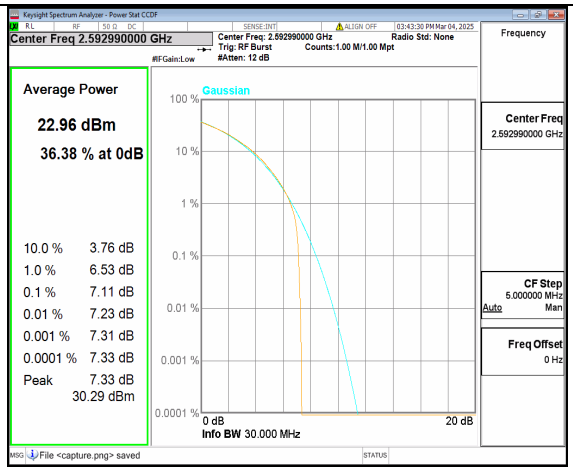
66A_n41 30M CP-OFDM 256QAM Outer_Full Low



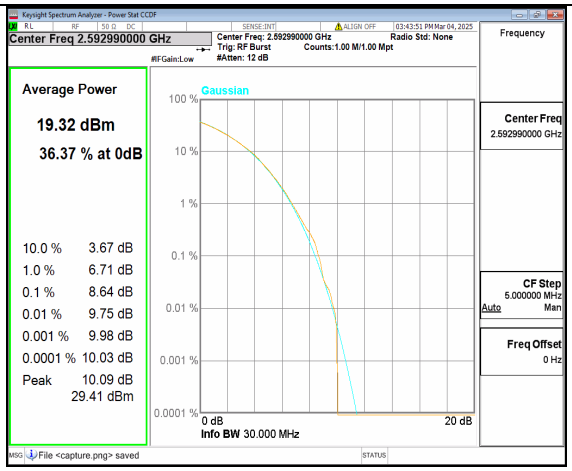
66A_n41 30M DFT-s-OFDM BPSK Outer_Full Mid



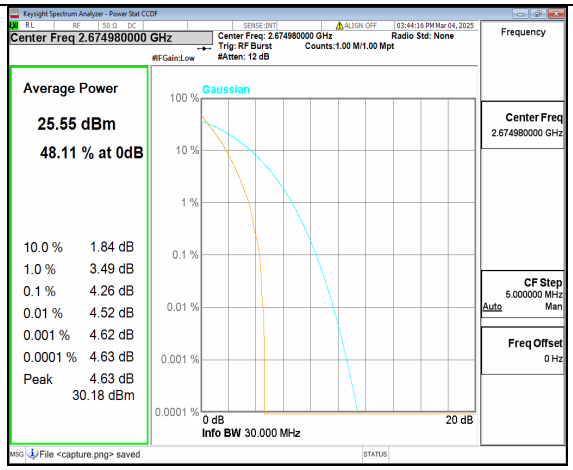
66A_n41 30M DFT-s-OFDM 256QAM Outer_Full Mid



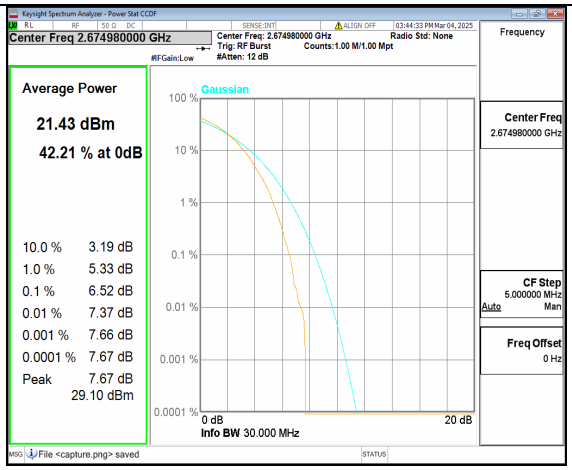
66A_n41 30M CP-OFDM QPSK Outer_Full Mid



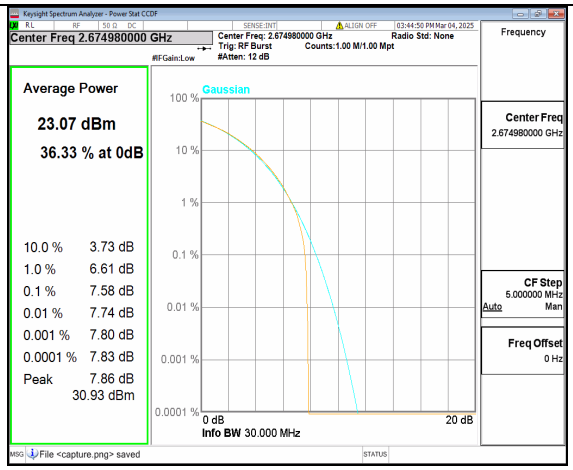
66A_n41 30M CP-OFDM 256QAM Outer_Full Mid



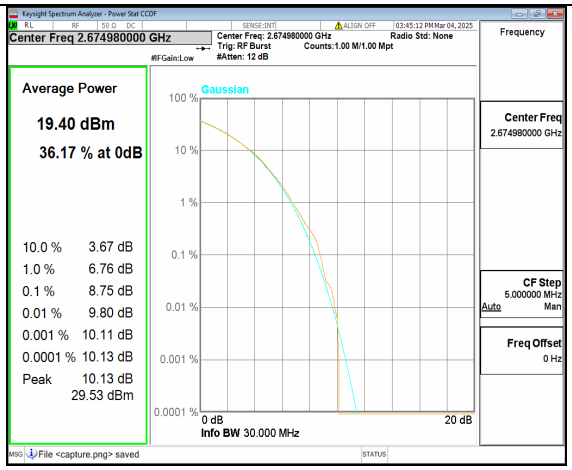
66A_n41 30M DFT-s-OFDM BPSK Outer_Full High



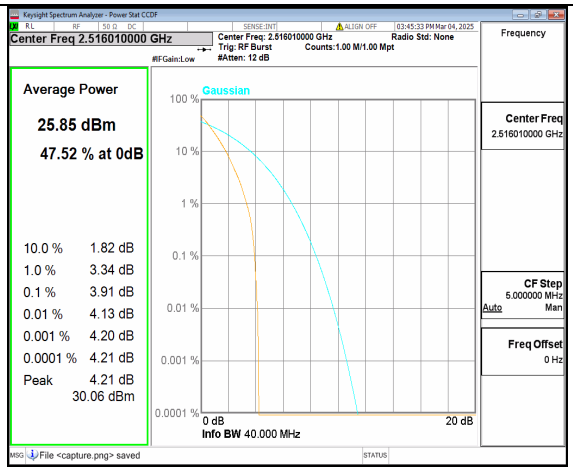
66A_n41 30M DFT-s-OFDM 256QAM Outer_Full High



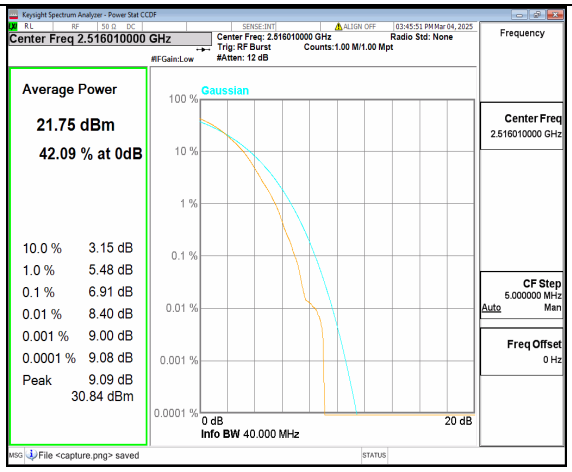
66A_n41 30M CP-OFDM QPSK Outer_Full High



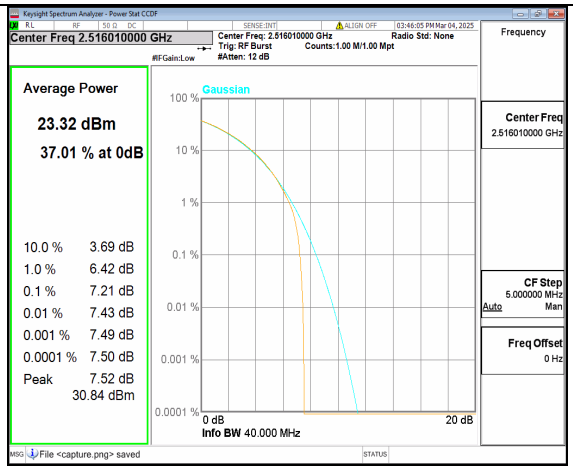
66A_n41 30M CP-OFDM 256QAM Outer_Full High



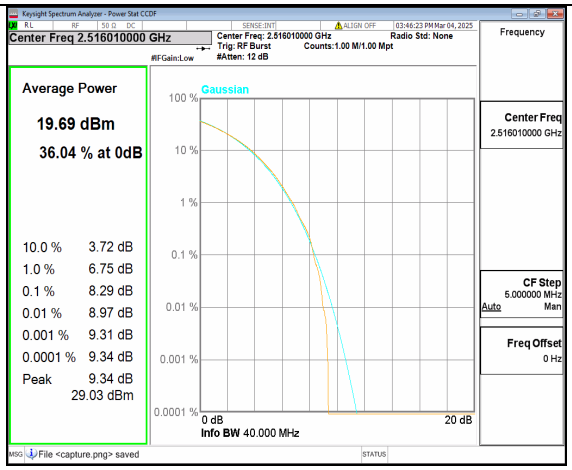
66A_n41 40M DFT-s-OFDM BPSK Outer_Full Low



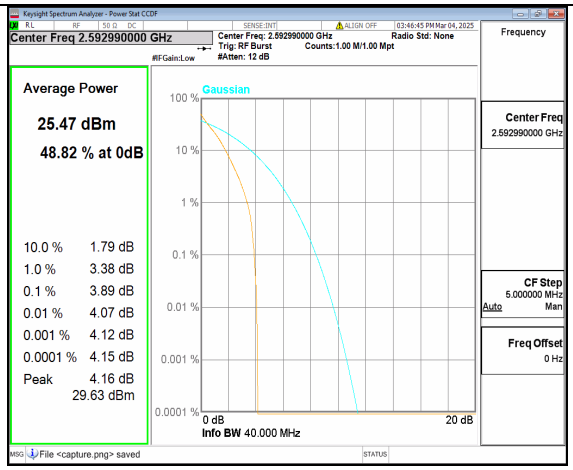
66A_n41 40M DFT-s-OFDM 256QAM Outer_Full Low



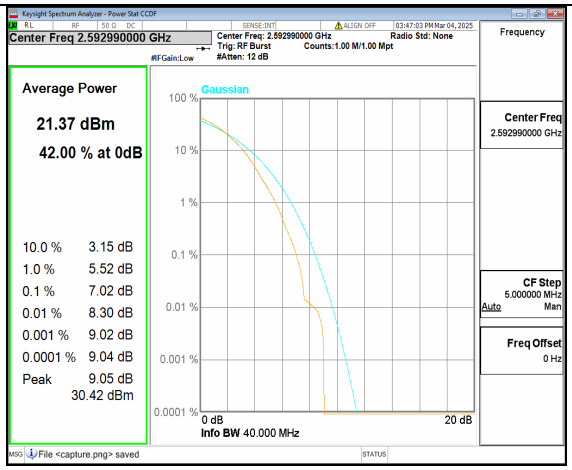
66A_n41 40M CP-OFDM QPSK Outer_Full Low



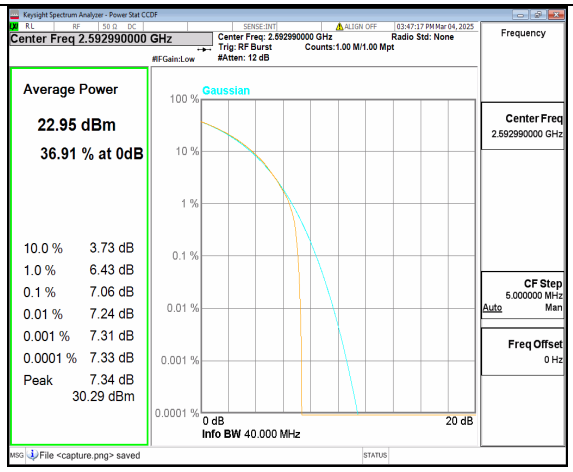
66A_n41 40M CP-OFDM 256QAM Outer_Full Low



66A_n41 40M DFT-s-OFDM BPSK Outer_Full Mid



66A_n41 40M DFT-s-OFDM 256QAM Outer_Full Mid



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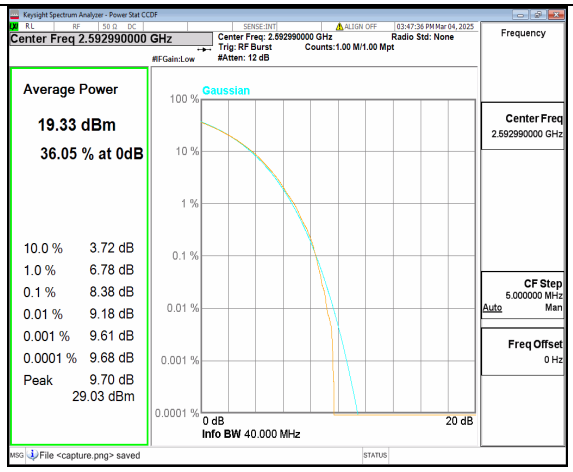
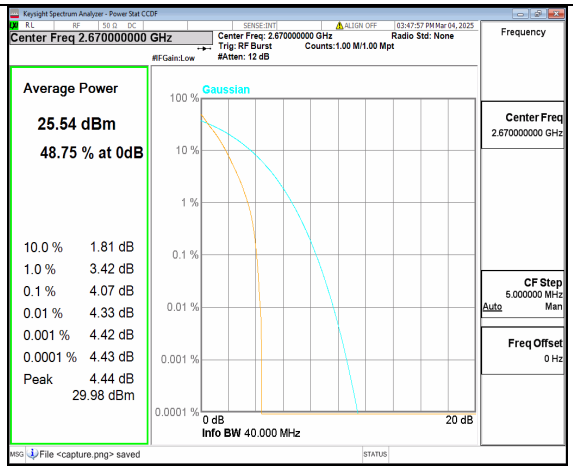
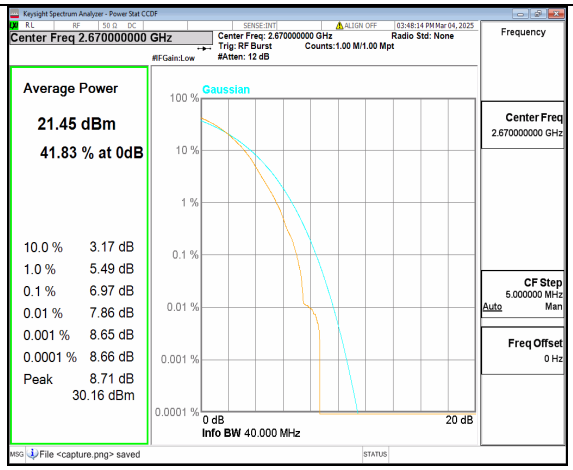


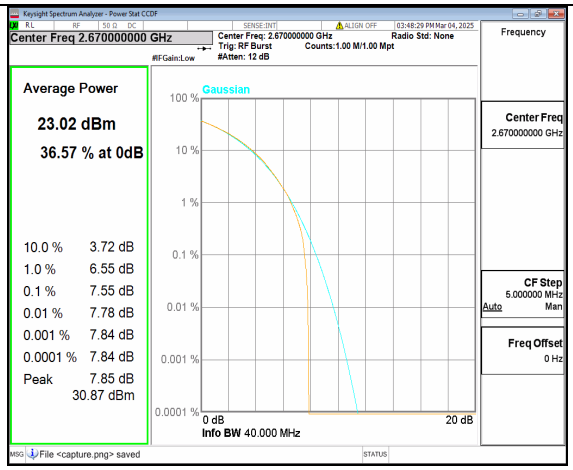
66A_n41 40M CP-OFDM 256QAM Outer_Full Mid



66A_n41 40M DFT-s-OFDM BPSK Outer_Full High



66A_n41 40M DFT-s-OFDM 256QAM Outer_Full High



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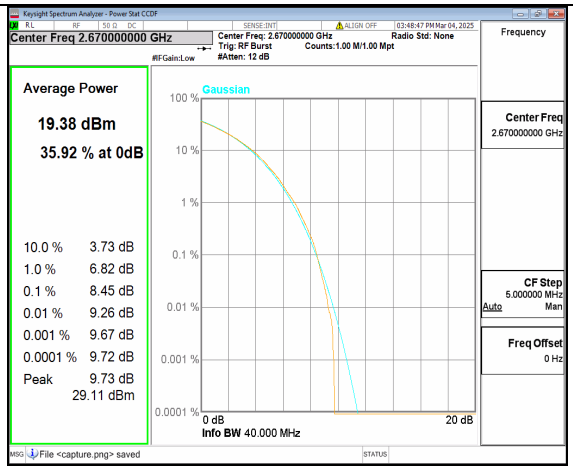
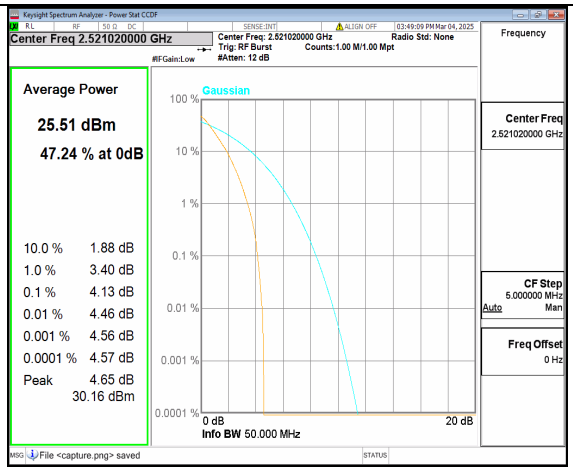
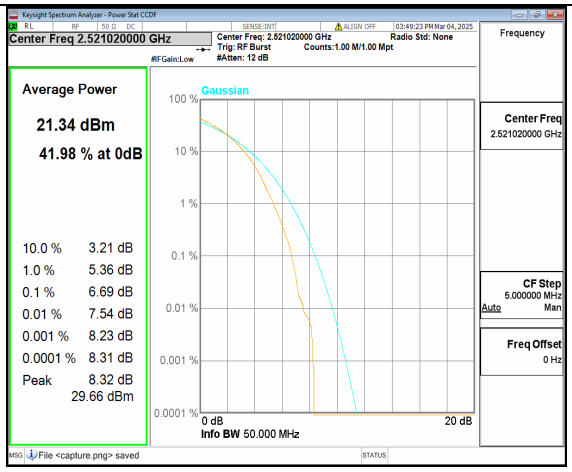


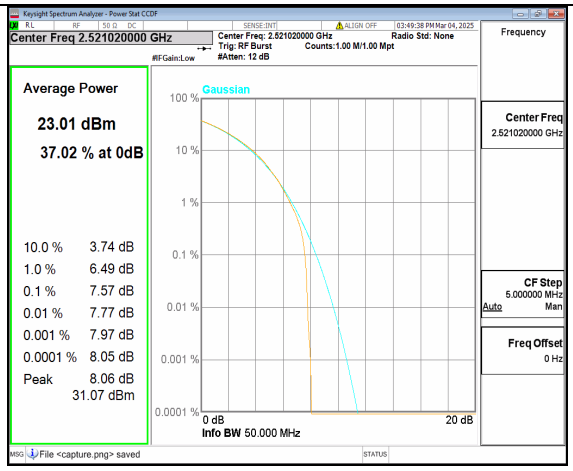
66A_n41 40M CP-OFDM 256QAM Outer_Full High



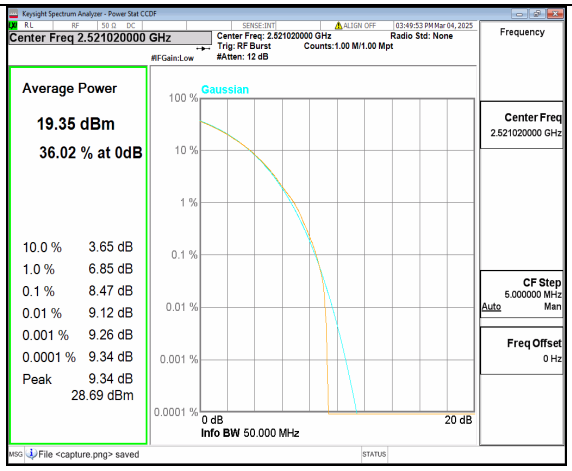
66A_n41 50M DFT-s-OFDM BPSK Outer_Full Low



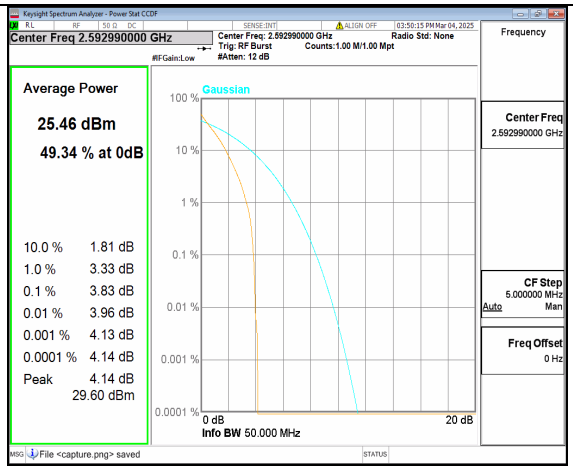
66A_n41 50M DFT-s-OFDM 256QAM Outer_Full Low



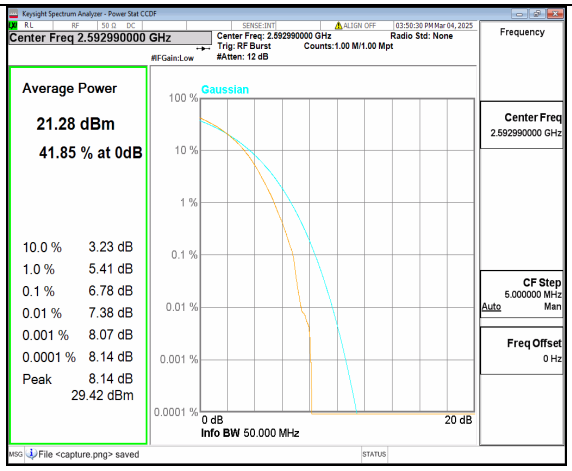
66A_n41 50M CP-OFDM QPSK Outer_Full Low



66A_n41 50M CP-OFDM 256QAM Outer_Full Low



66A_n41 50M DFT-s-OFDM BPSK Outer_Full Mid



66A_n41 50M DFT-s-OFDM 256QAM Outer_Full Mid