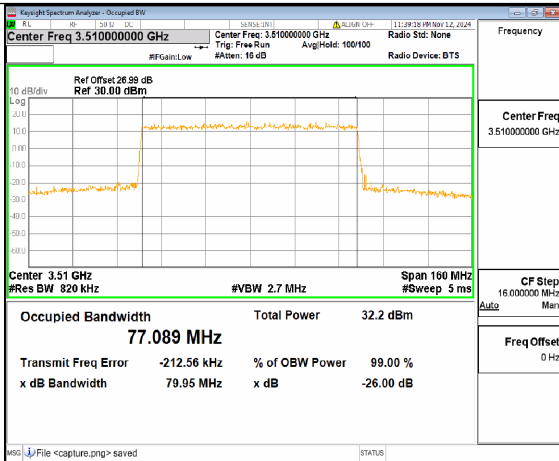
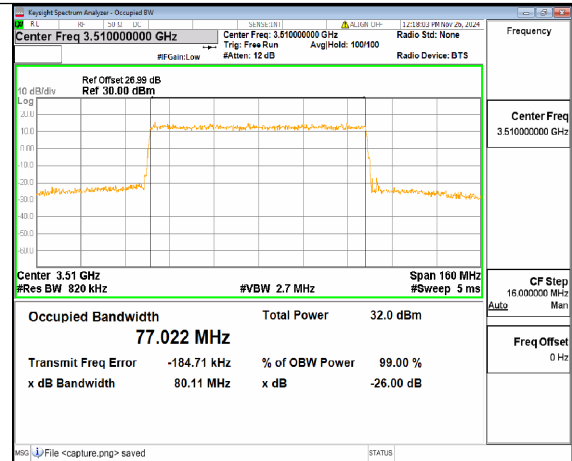
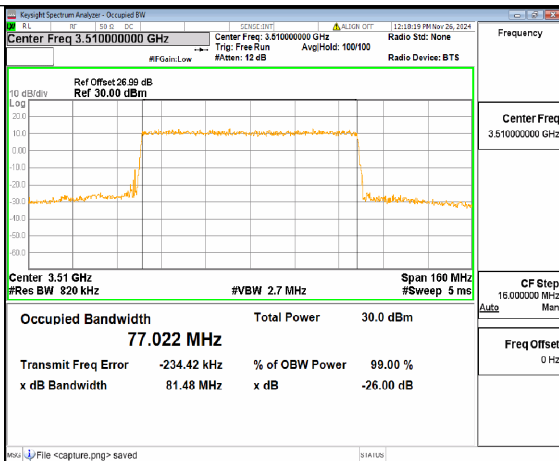
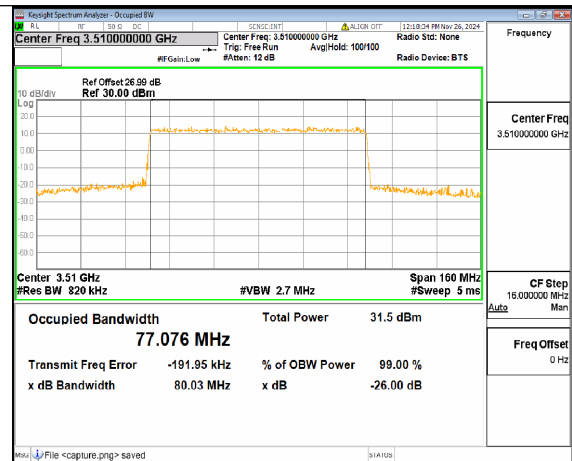
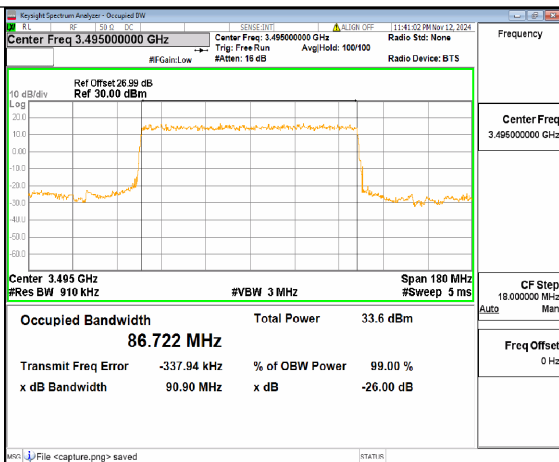
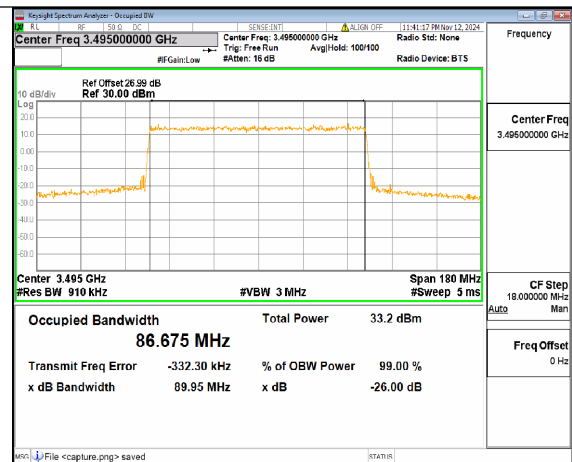
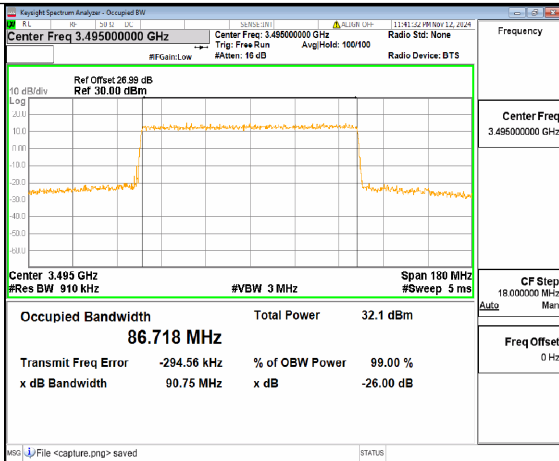
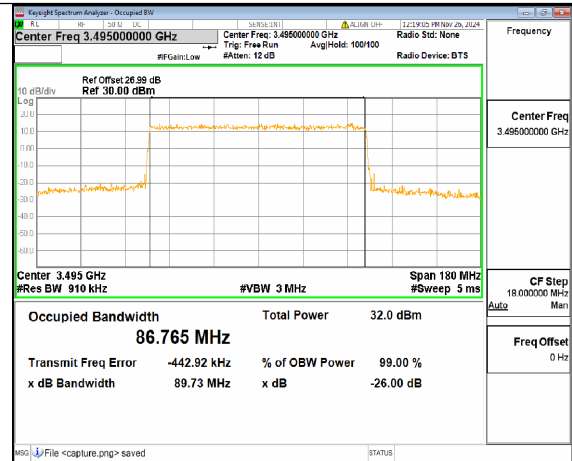


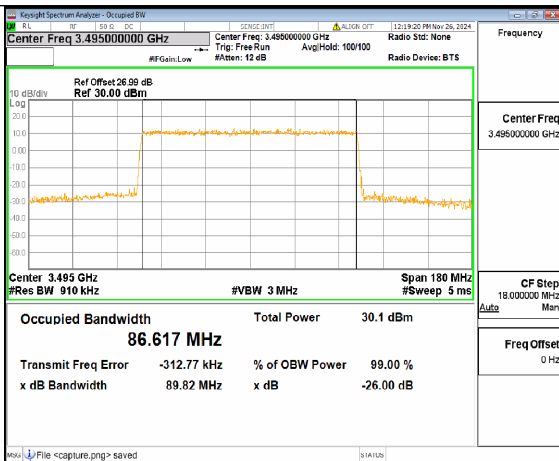
n78(3450-3550MHz) 80M DFT-s-OFDM
16QAM Outer_Full Highn78(3450-3550MHz) 80M DFT-s-OFDM
64QAM Outer_Full Highn78(3450-3550MHz) 80M DFT-s-OFDM
256QAM Outer_Full Highn78(3450-3550MHz) 80M CP-OFDM QPSK
Outer_Full Highn78(3450-3550MHz) 90M DFT-s-OFDM
BPSK Outer_Full Lown78(3450-3550MHz) 90M DFT-s-OFDM
QPSK Outer_Full Low



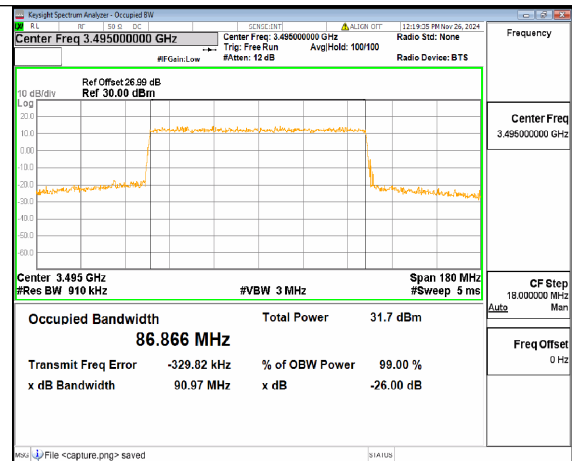
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16QAM Outer_Full Low



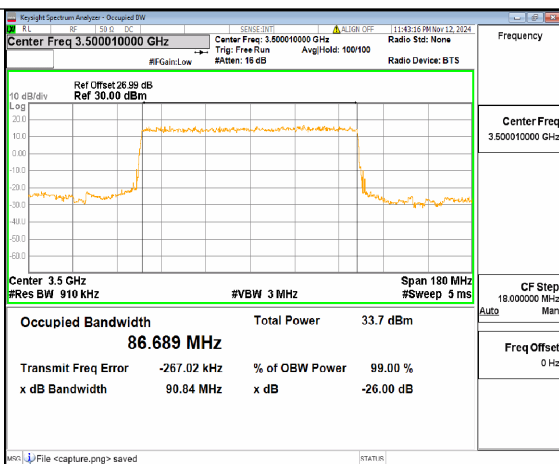
n78(3450-3550MHz) 90M DFT-s-OFDM
64QAM Outer_Full Low



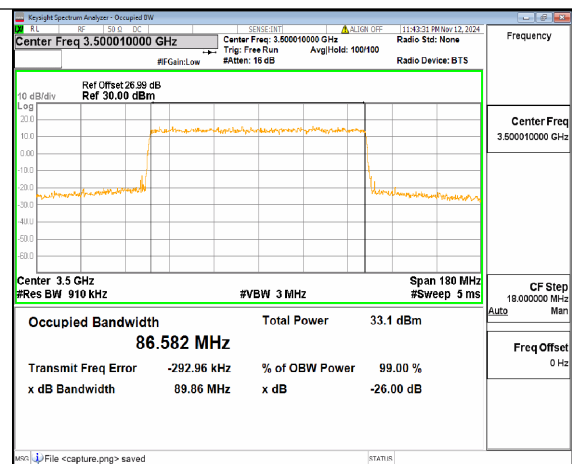
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256QAM Outer_Full Low



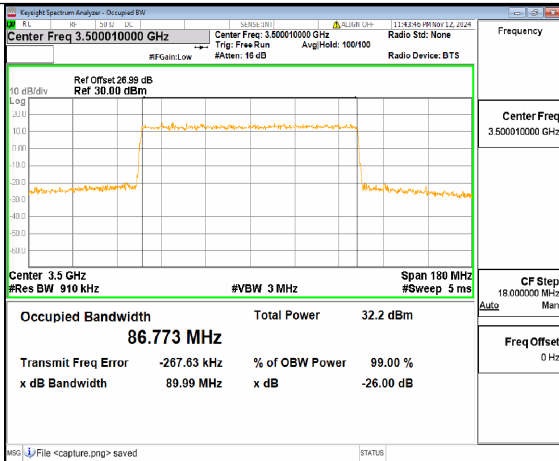
n78(3450-3550MHz) 90M CP-OFDM QPSK
Outer_Full Low



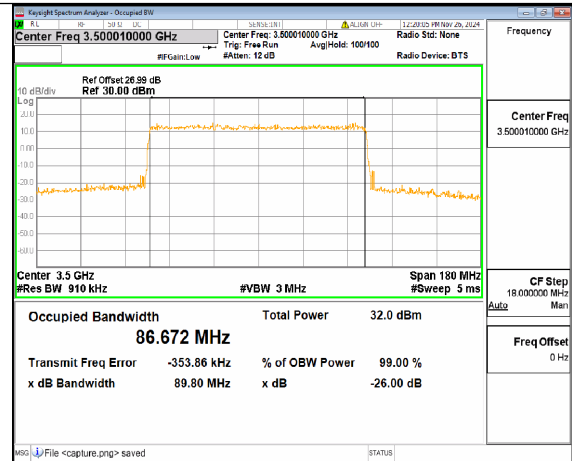
n78(3450-3550MHz) 90M DFT-s-OFDM
BPSK Outer_Full Mid



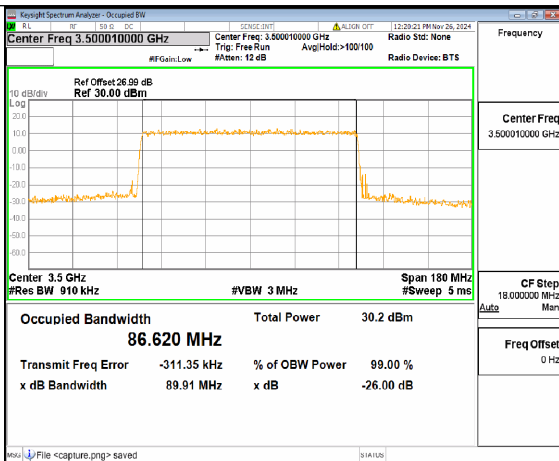
n78(3450-3550MHz) 90M DFT-s-OFDM
QPSK Outer_Full Mid



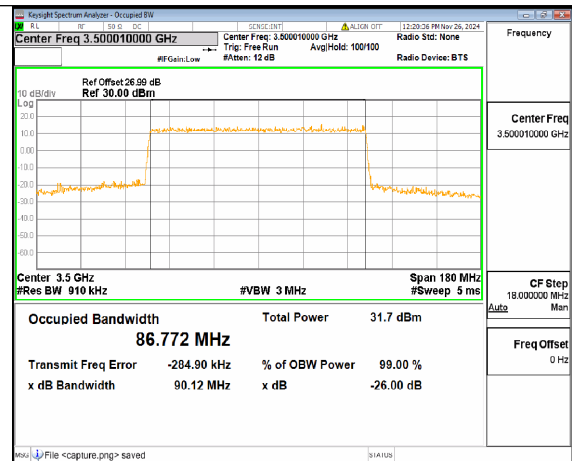
n78(3450-3550MHz) 90M DFT-s-OFDM
16QAM Outer_Full Mid



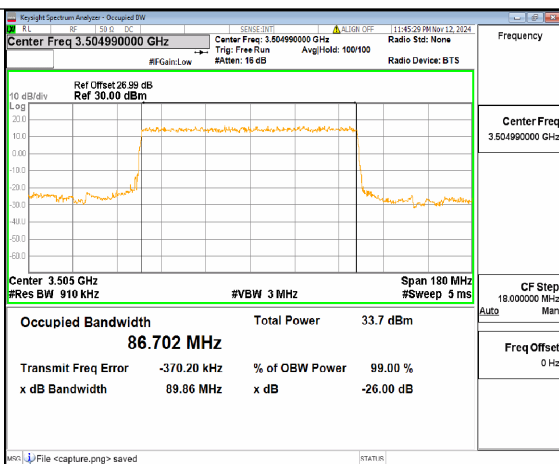
n78(3450-3550MHz) 90M DFT-s-OFDM
64QAM Outer_Full Mid



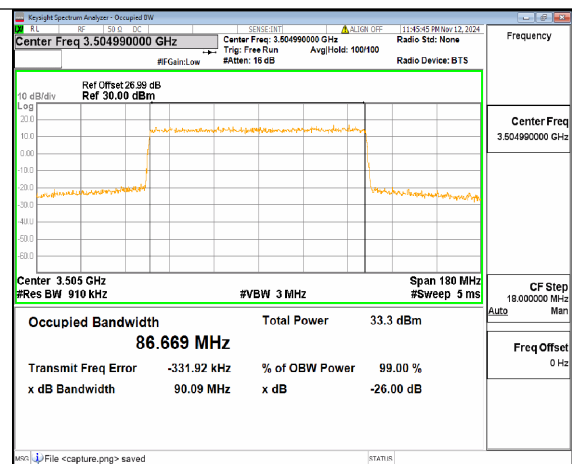
n78(3450-3550MHz) 90M DFT-s-OFDM
256QAM Outer_Full Mid



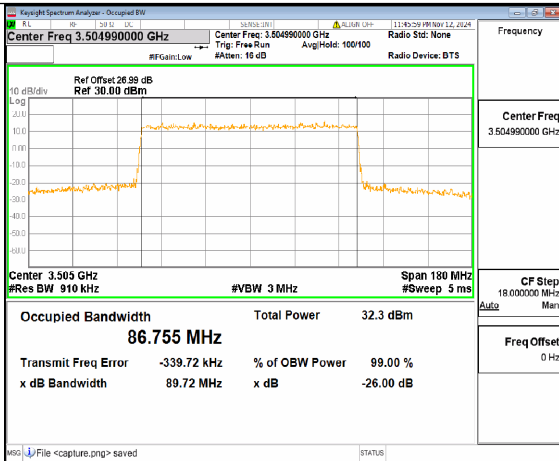
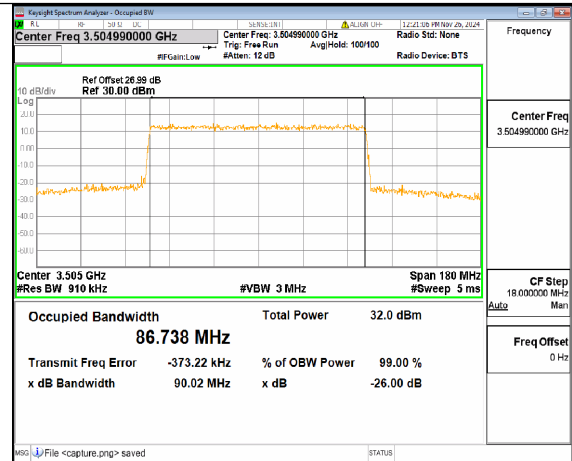
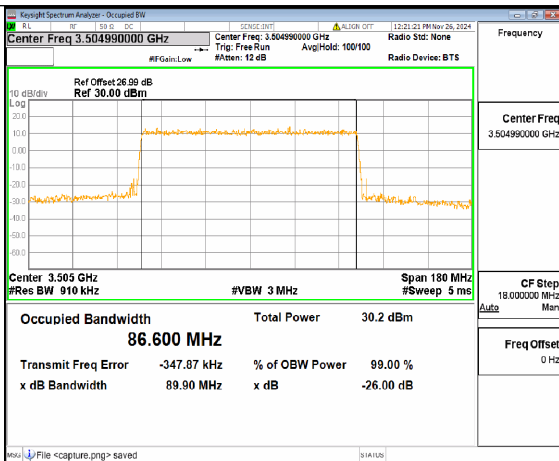
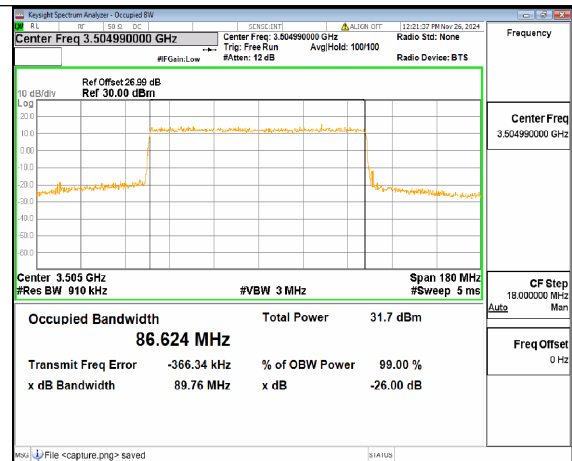
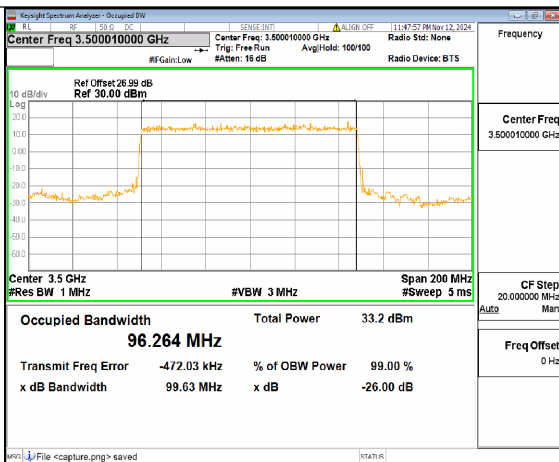
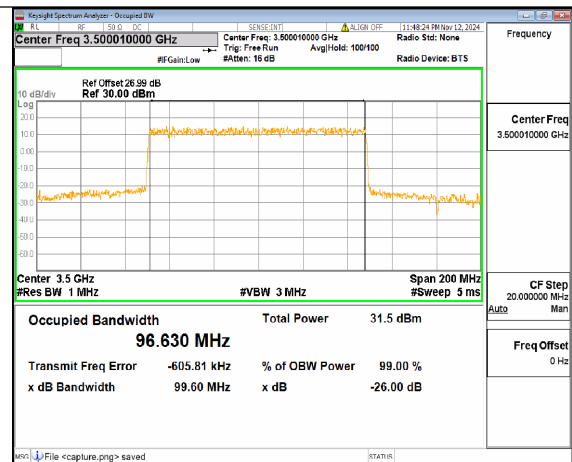
n78(3450-3550MHz) 90M CP-OFDM QPSK
Outer_Full Mid

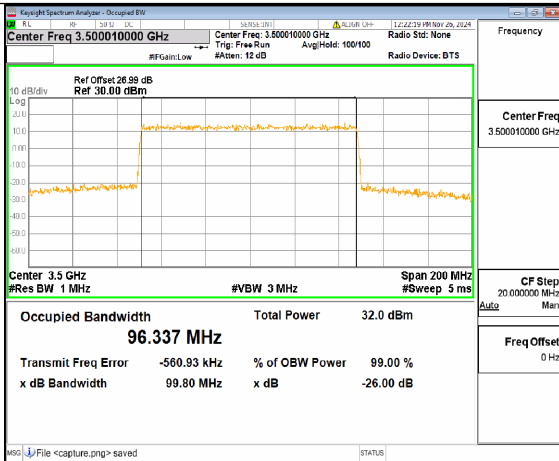


n78(3450-3550MHz) 90M DFT-s-OFDM
BPSK Outer_Full High

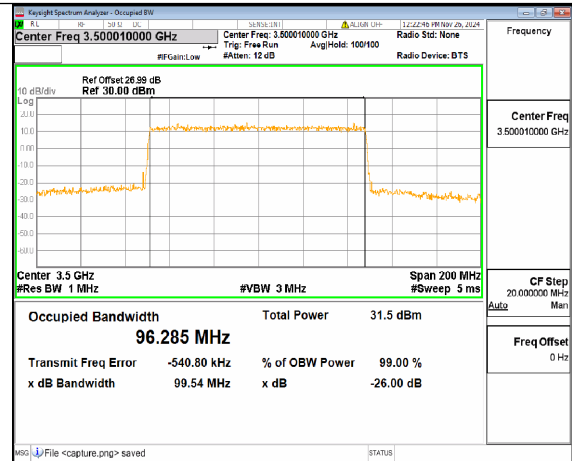


n78(3450-3550MHz) 90M DFT-s-OFDM
QPSK Outer_Full High

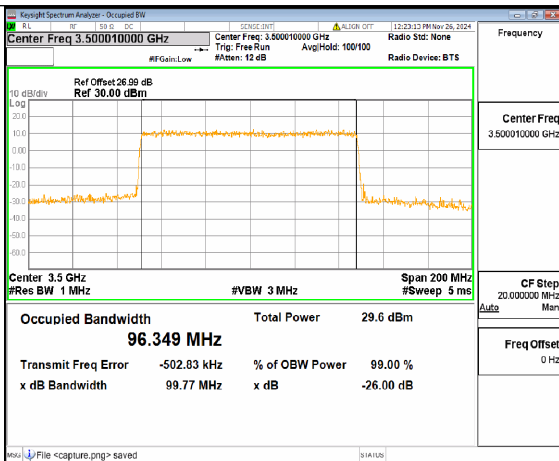
n78(3450-3550MHz) 90M DFT-s-OFDM
16QAM Outer_Full Highn78(3450-3550MHz) 90M DFT-s-OFDM
64QAM Outer_Full Highn78(3450-3550MHz) 90M DFT-s-OFDM
256QAM Outer_Full Highn78(3450-3550MHz) 90M CP-OFDM QPSK
Outer_Full Highn78(3450-3550MHz) 100M DFT-s-OFDM
BPSK Outer_Full Midn78(3450-3550MHz) 100M DFT-s-OFDM
QPSK Outer_Full Mid



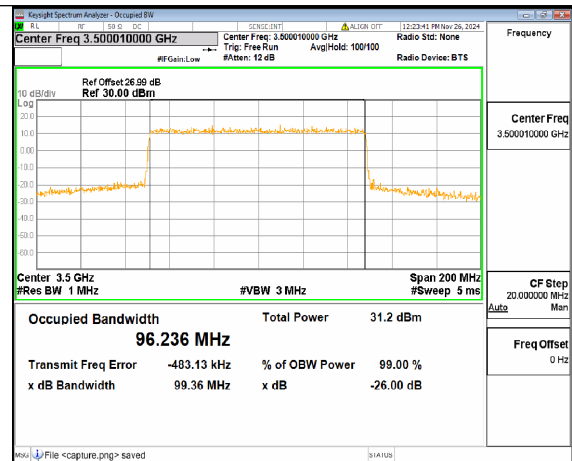
n78(3450-3550MHz) 100M DFT-s-OFDM
16QAM Outer_Full Mid



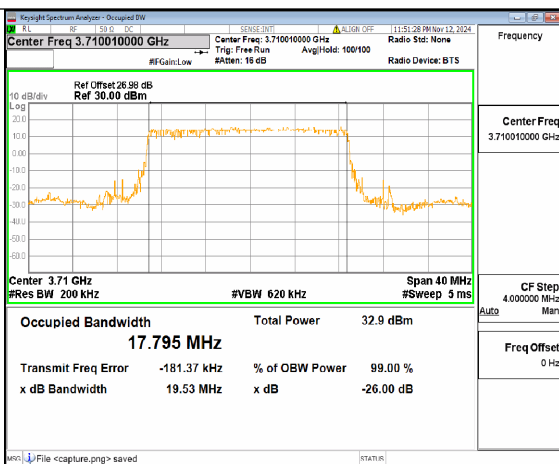
n78(3450-3550MHz) 100M DFT-s-OFDM
64QAM Outer_Full Mid



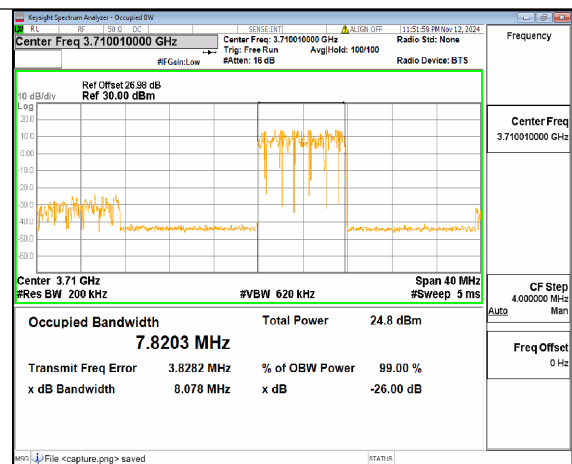
n78(3450-3550MHz) 100M DFT-s-OFDM
256QAM Outer_Full Mid



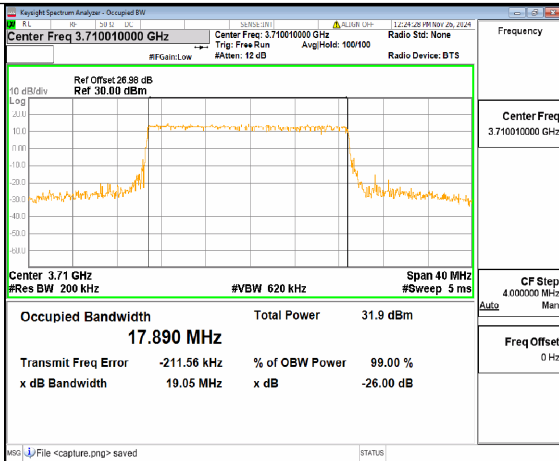
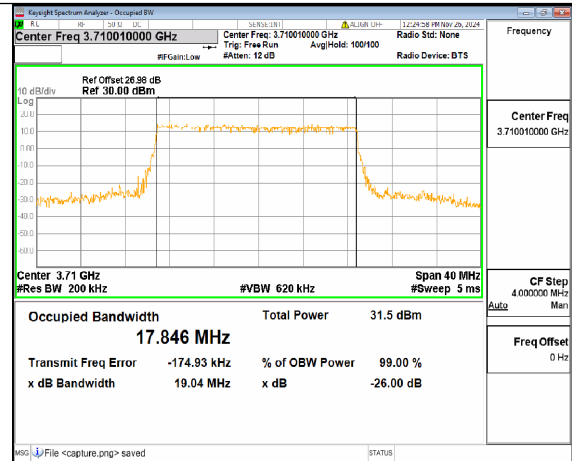
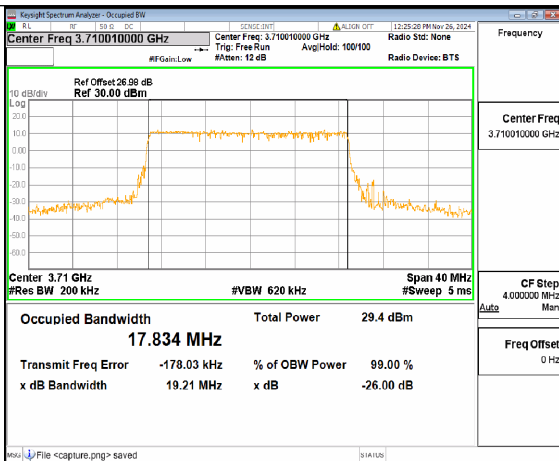
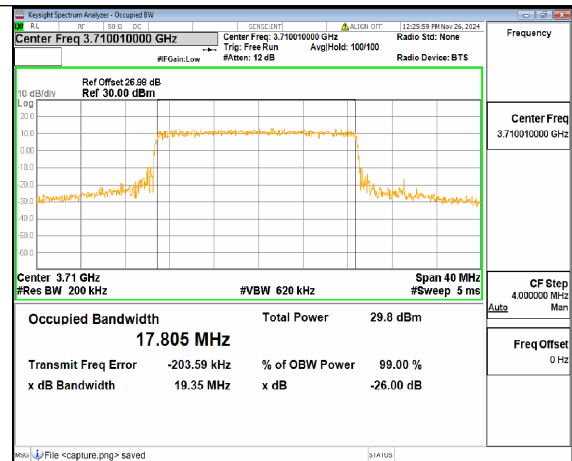
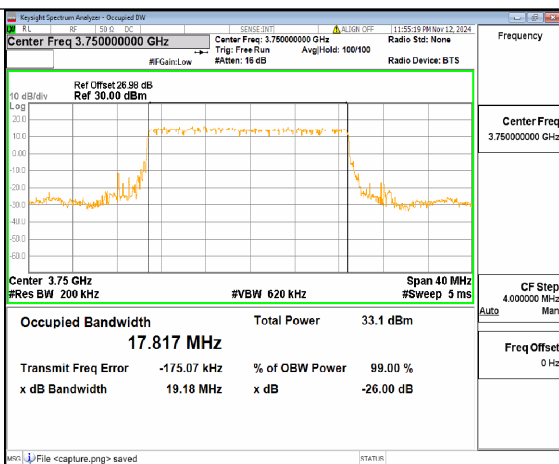
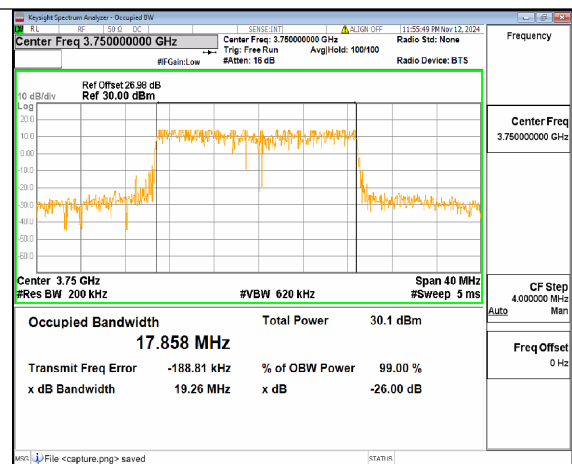
n78(3450-3550MHz) 100M CP-OFDM
QPSK Outer_Full Mid

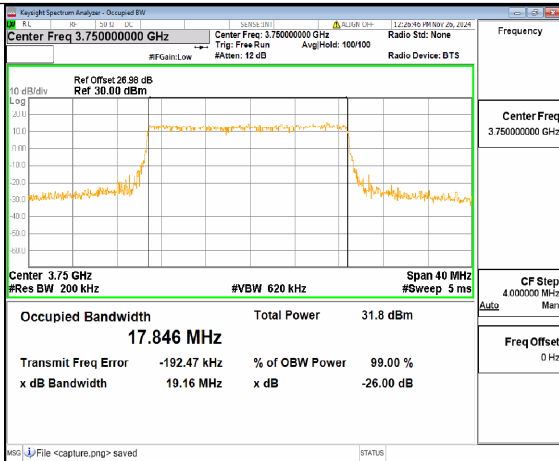


n78(3700-3800MHz) 20M DFT-s-OFDM
BPSK Outer_Full Low

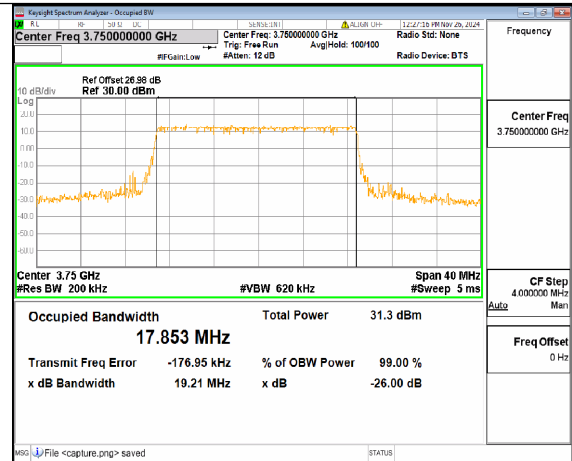


n78(3700-3800MHz) 20M DFT-s-OFDM
QPSK Outer_Full Low

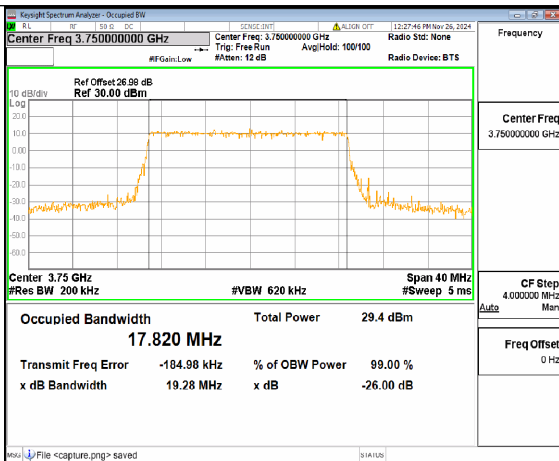
n78(3700-3800MHz) 20M DFT-s-OFDM
16QAM Outer_Full Lown78(3700-3800MHz) 20M DFT-s-OFDM
64QAM Outer_Full Lown78(3700-3800MHz) 20M DFT-s-OFDM
256QAM Outer_Full Lown78(3700-3800MHz) 20M CP-OFDM QPSK
Outer_Full Lown78(3700-3800MHz) 20M DFT-s-OFDM
BPSK Outer_Full Midn78(3700-3800MHz) 20M DFT-s-OFDM
QPSK Outer_Full Mid



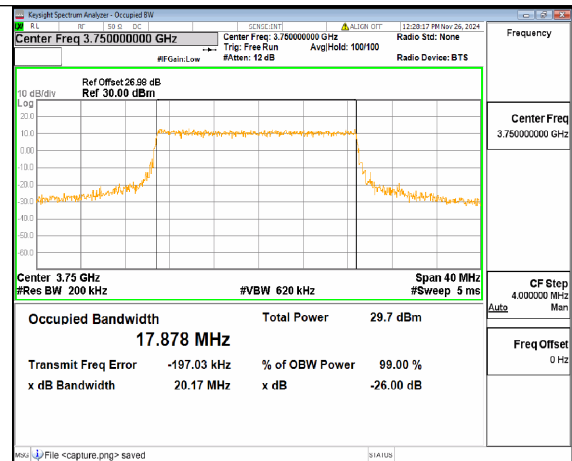
n78(3700-3800MHz) 20M DFT-s-OFDM
16QAM Outer_Full Mid



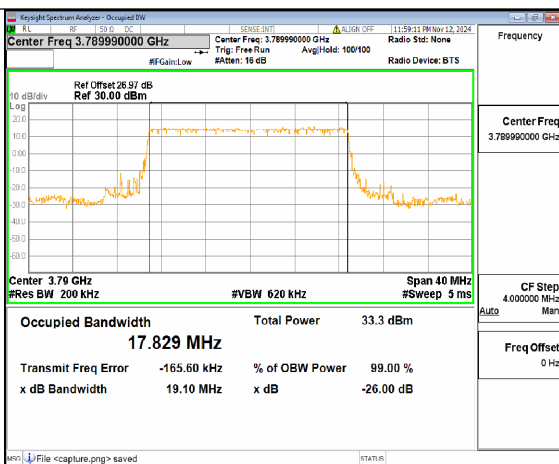
n78(3700-3800MHz) 20M DFT-s-OFDM
64QAM Outer_Full Mid



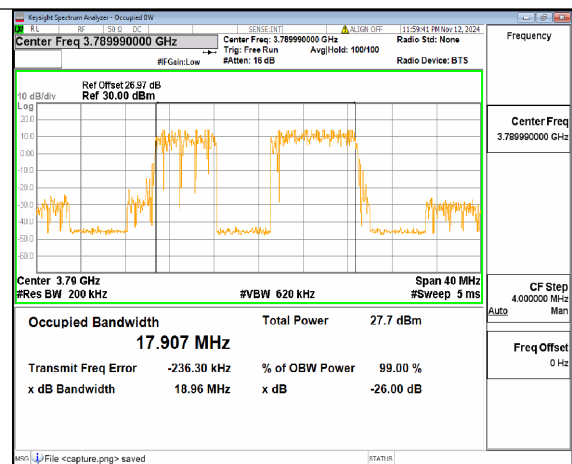
n78(3700-3800MHz) 20M DFT-s-OFDM
256QAM Outer_Full Mid



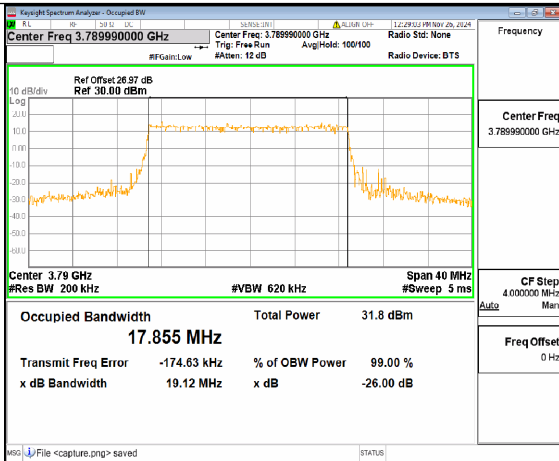
n78(3700-3800MHz) 20M CP-OFDM QPSK
Outer_Full Mid



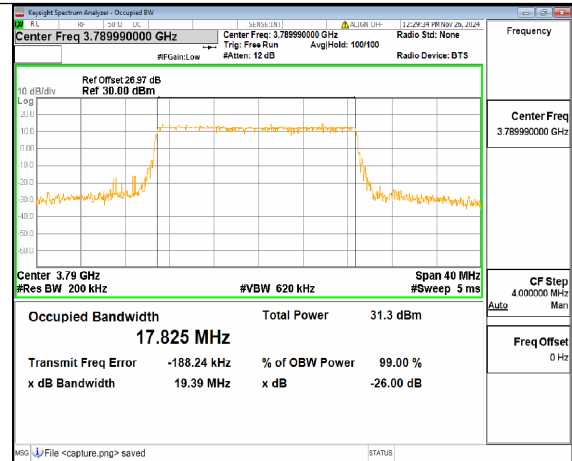
n78(3700-3800MHz) 20M DFT-s-OFDM
BPSK Outer_Full High



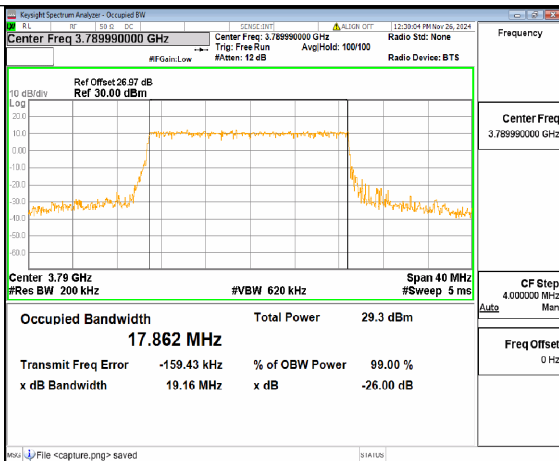
n78(3700-3800MHz) 20M DFT-s-OFDM
QPSK Outer_Full High



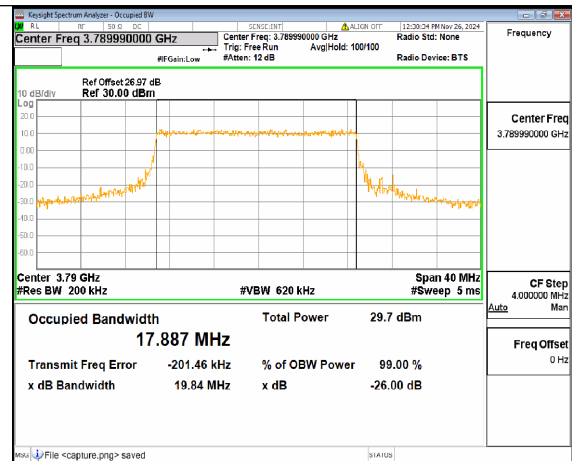
n78(3700-3800MHz) 20M DFT-s-OFDM
16QAM Outer_Full High



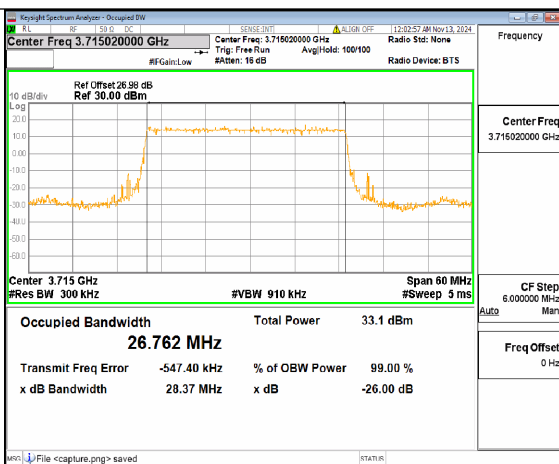
n78(3700-3800MHz) 20M DFT-s-OFDM
64QAM Outer_Full High



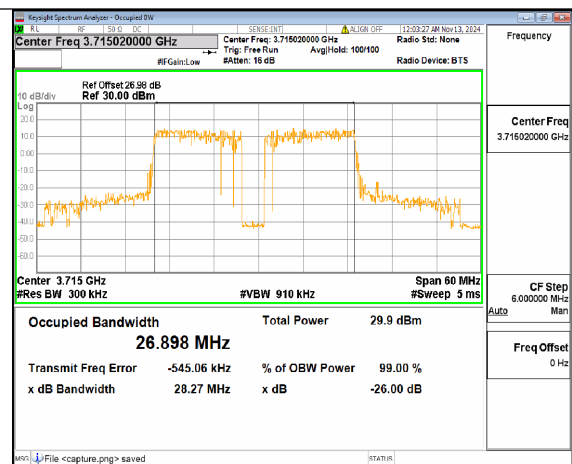
n78(3700-3800MHz) 20M DFT-s-OFDM
256QAM Outer_Full High



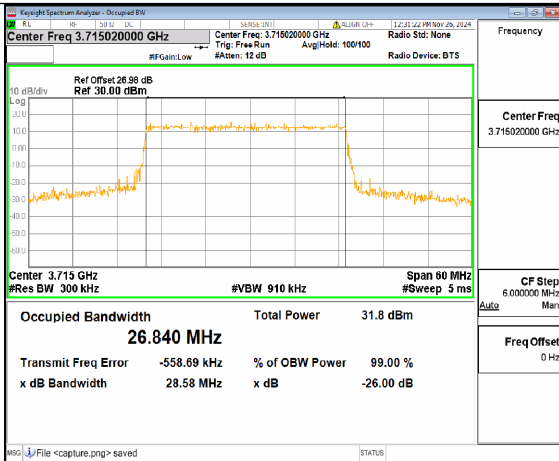
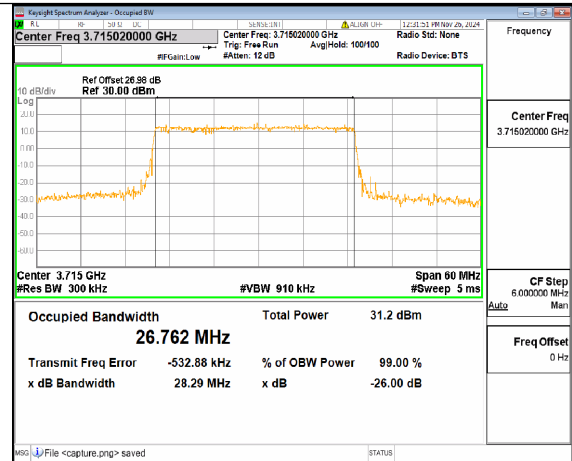
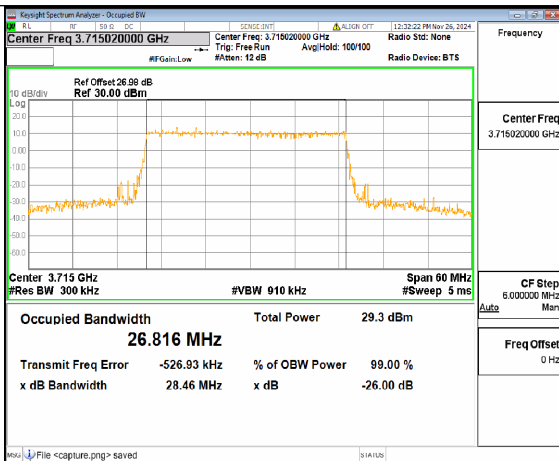
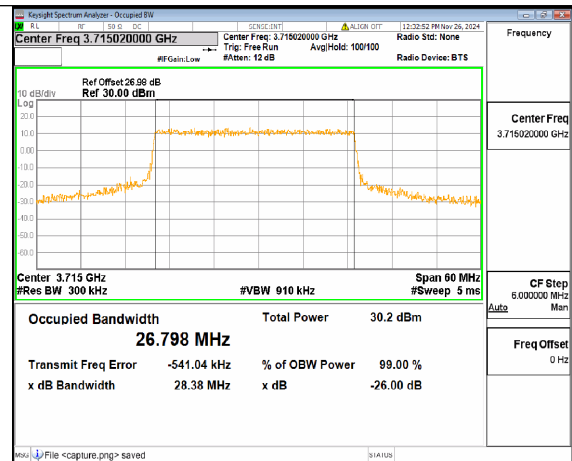
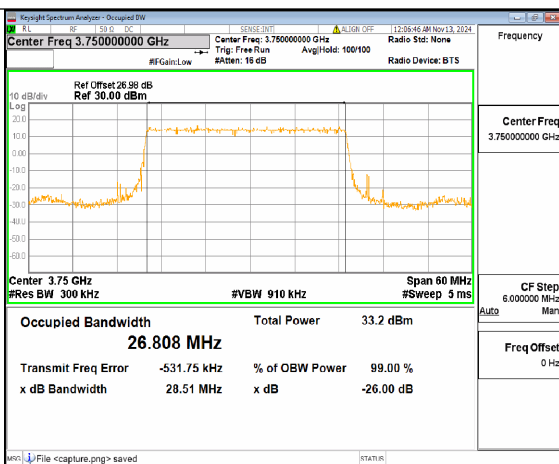
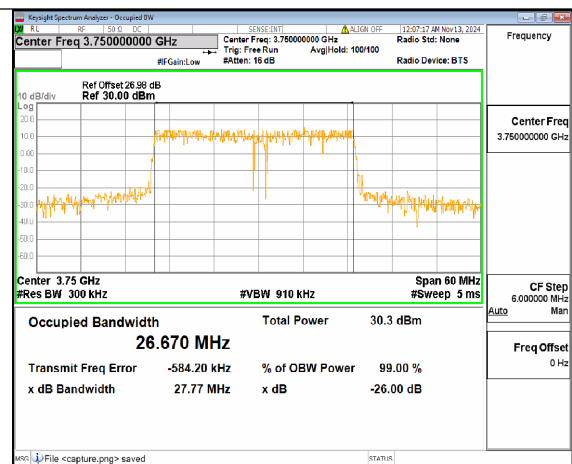
n78(3700-3800MHz) 20M CP-OFDM QPSK
Outer_Full High

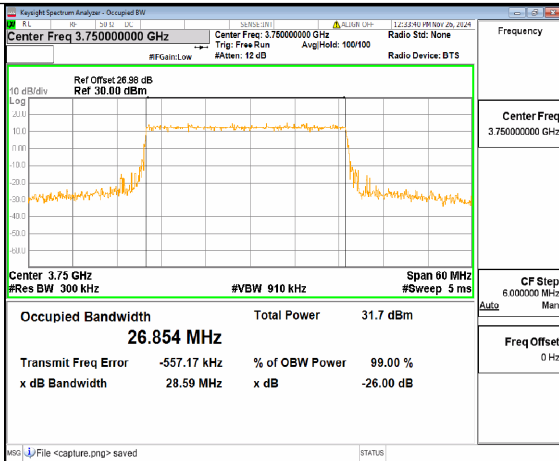


n78(3700-3800MHz) 30M DFT-s-OFDM
BPSK Outer_Full Low

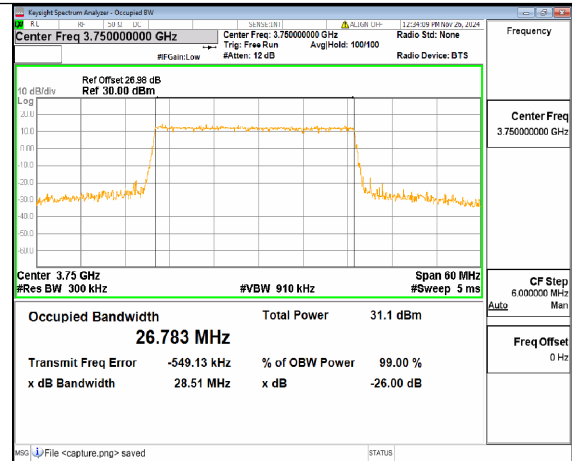


n78(3700-3800MHz) 30M DFT-s-OFDM
QPSK Outer_Full Low

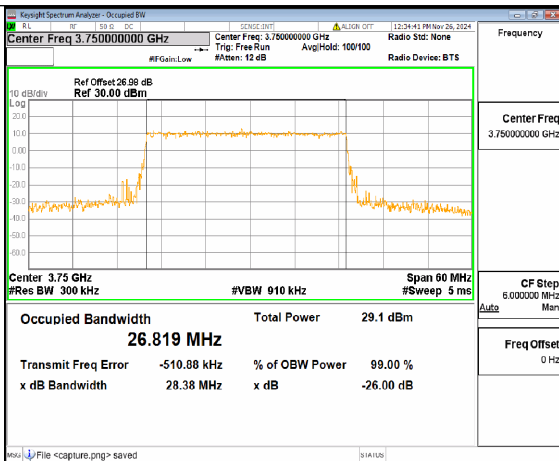
n78(3700-3800MHz) 30M DFT-s-OFDM
16QAM Outer_Full Lown78(3700-3800MHz) 30M DFT-s-OFDM
64QAM Outer_Full Lown78(3700-3800MHz) 30M DFT-s-OFDM
256QAM Outer_Full Lown78(3700-3800MHz) 30M CP-OFDM QPSK
Outer_Full Lown78(3700-3800MHz) 30M DFT-s-OFDM
BPSK Outer_Full Midn78(3700-3800MHz) 30M DFT-s-OFDM
QPSK Outer_Full Mid



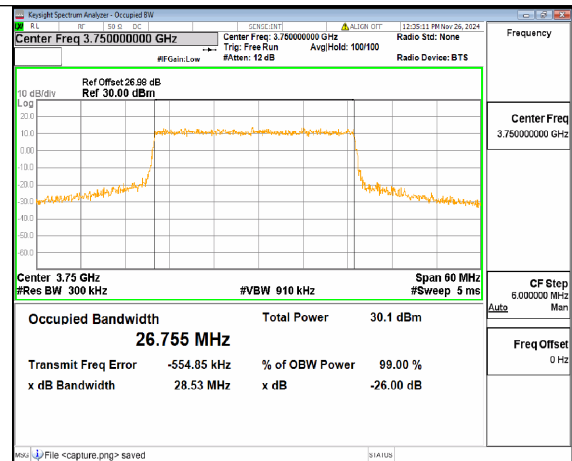
n78(3700-3800MHz) 30M DFT-s-OFDM
16QAM Outer_Full Mid



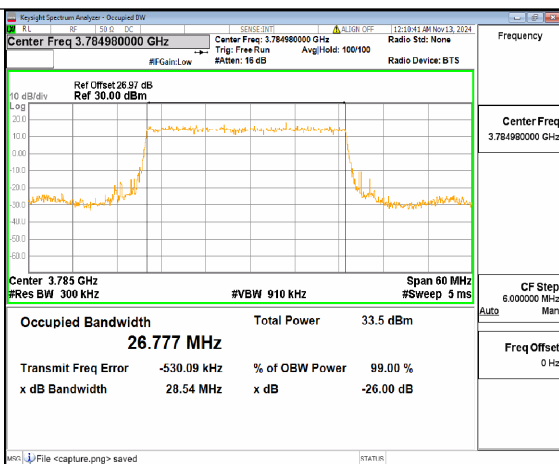
n78(3700-3800MHz) 30M DFT-s-OFDM
64QAM Outer_Full Mid



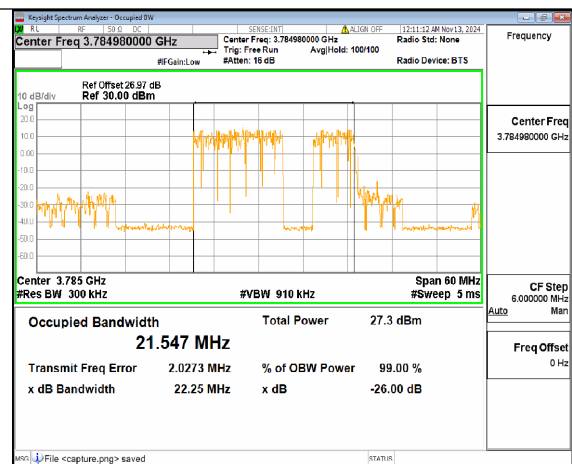
n78(3700-3800MHz) 30M DFT-s-OFDM
256QAM Outer_Full Mid



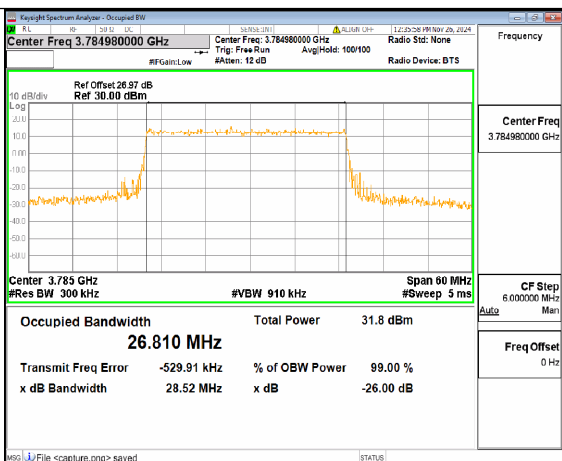
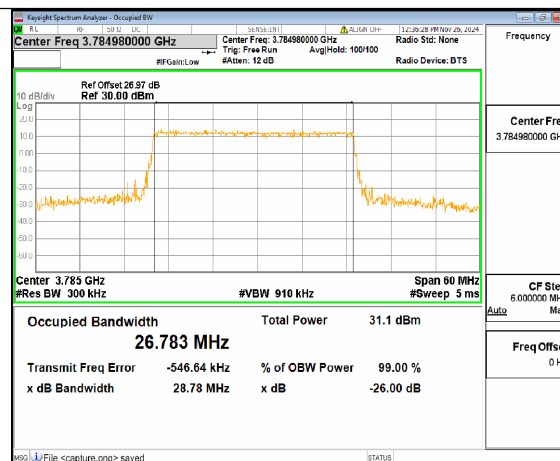
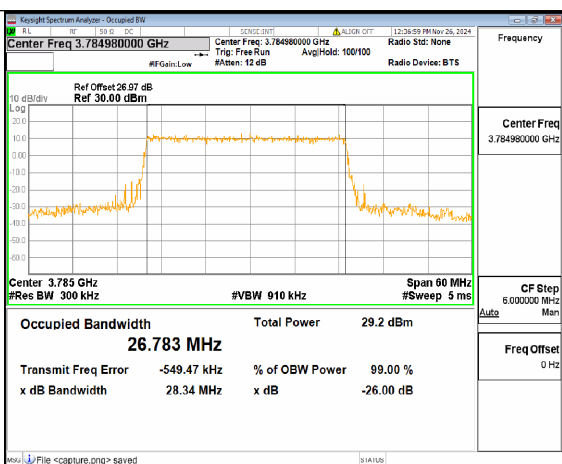
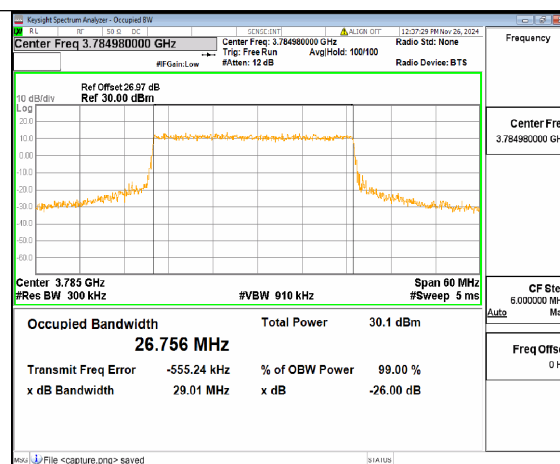
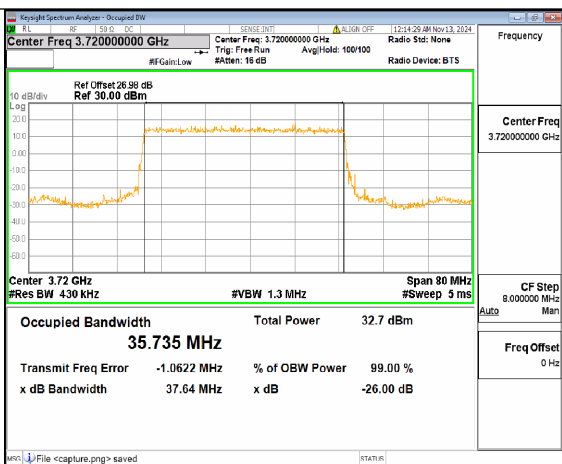
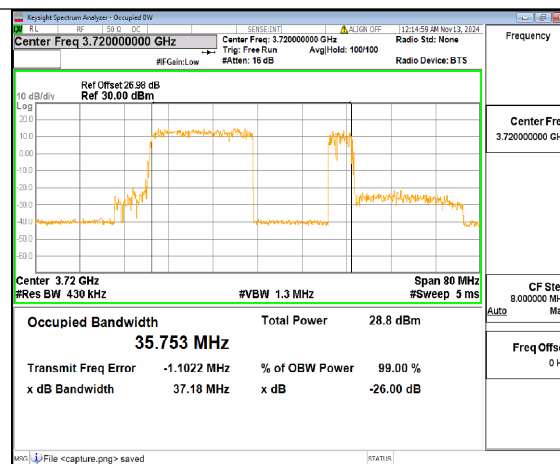
n78(3700-3800MHz) 30M CP-OFDM QPSK
Outer_Full Mid

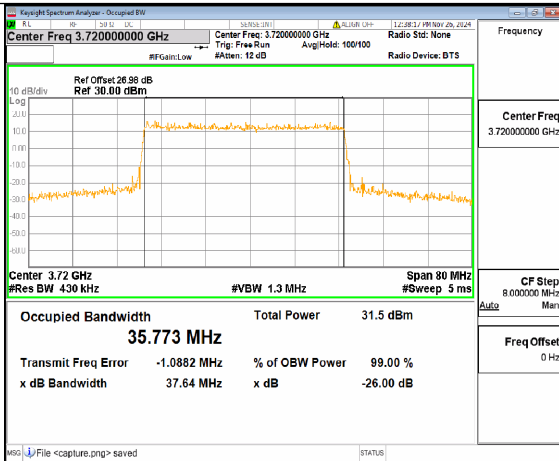


n78(3700-3800MHz) 30M DFT-s-OFDM
BPSK Outer_Full High

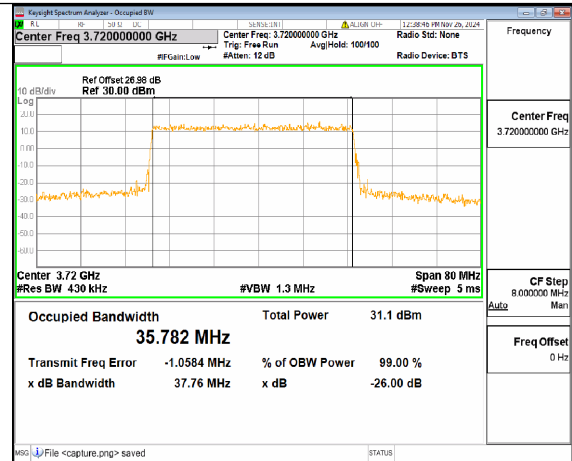


n78(3700-3800MHz) 30M DFT-s-OFDM
QPSK Outer_Full High

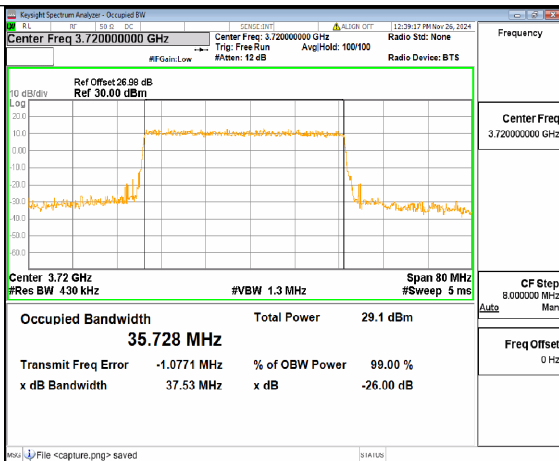
n78(3700-3800MHz) 30M DFT-s-OFDM
16QAM Outer_Full Highn78(3700-3800MHz) 30M DFT-s-OFDM
64QAM Outer_Full Highn78(3700-3800MHz) 30M DFT-s-OFDM
256QAM Outer_Full Highn78(3700-3800MHz) 30M CP-OFDM QPSK
Outer_Full Highn78(3700-3800MHz) 40M DFT-s-OFDM
BPSK Outer_Full Lown78(3700-3800MHz) 40M DFT-s-OFDM
QPSK Outer_Full Low



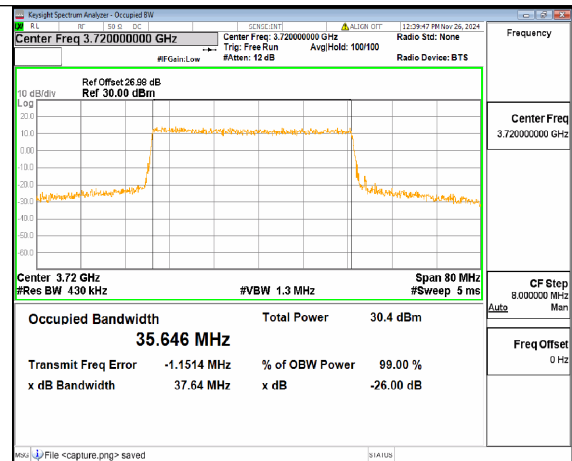
n78(3700-3800MHz) 40M DFT-s-OFDM
16QAM Outer_Full Low



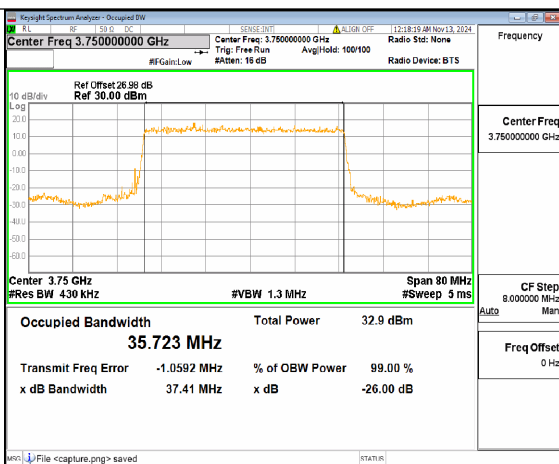
n78(3700-3800MHz) 40M DFT-s-OFDM
64QAM Outer_Full Low



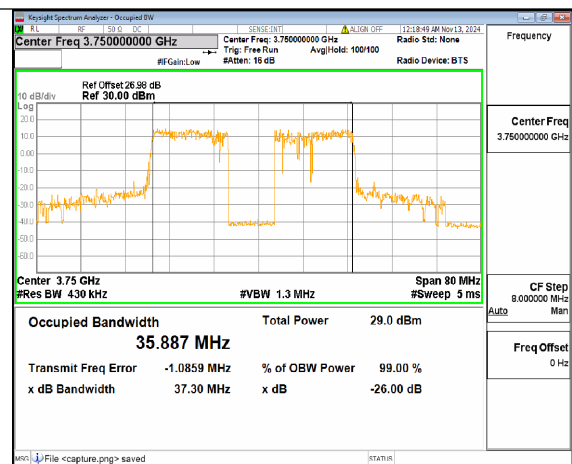
n78(3700-3800MHz) 40M DFT-s-OFDM
256QAM Outer_Full Low



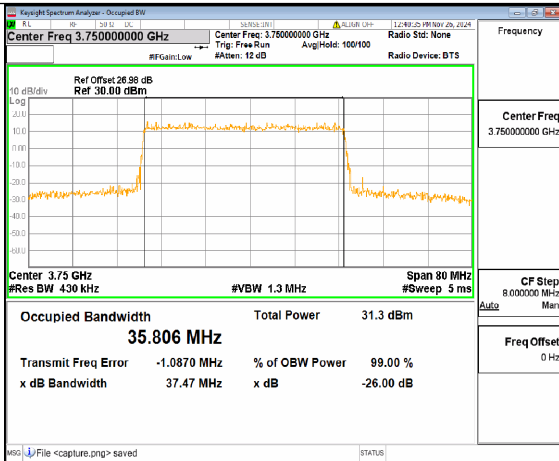
n78(3700-3800MHz) 40M CP-OFDM QPSK
Outer_Full Low



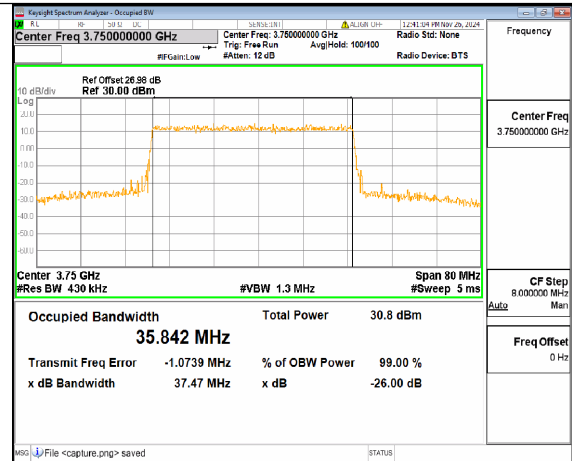
n78(3700-3800MHz) 40M DFT-s-OFDM
BPSK Outer_Full Mid



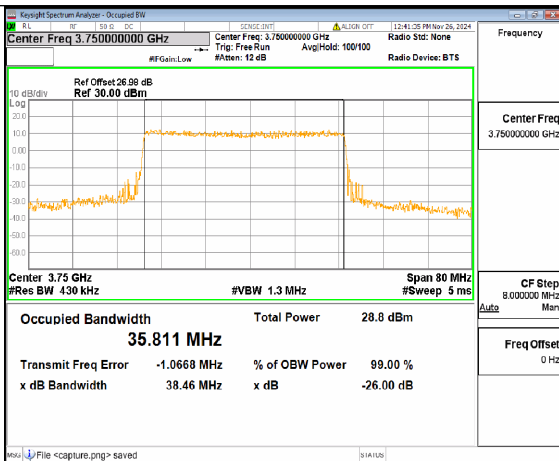
n78(3700-3800MHz) 40M DFT-s-OFDM
QPSK Outer_Full Mid



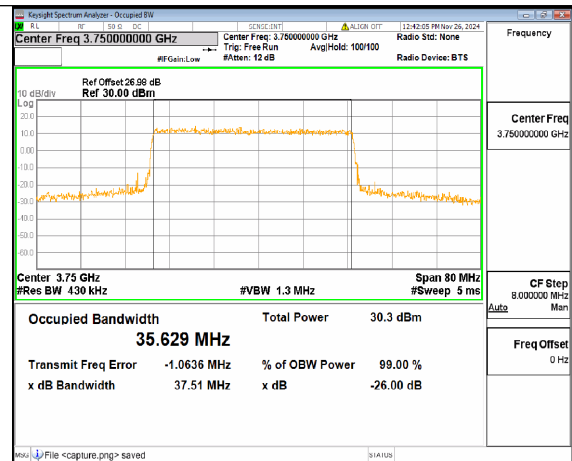
n78(3700-3800MHz) 40M DFT-s-OFDM
16QAM Outer_Full Mid



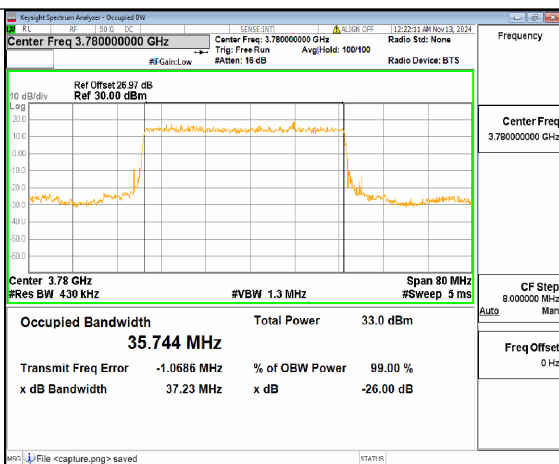
n78(3700-3800MHz) 40M DFT-s-OFDM
64QAM Outer_Full Mid



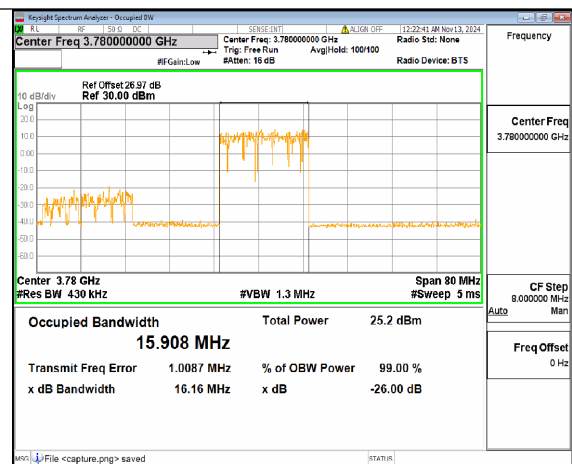
n78(3700-3800MHz) 40M DFT-s-OFDM
256QAM Outer_Full Mid



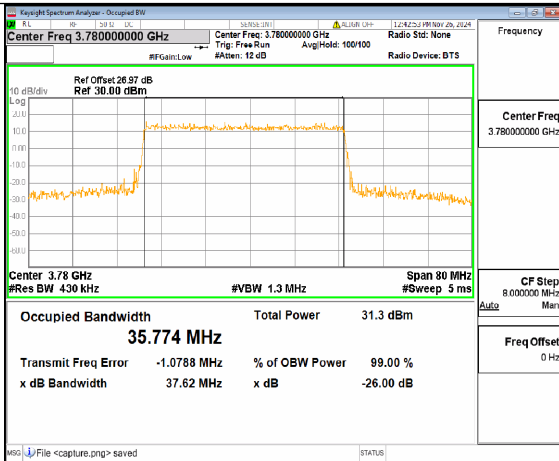
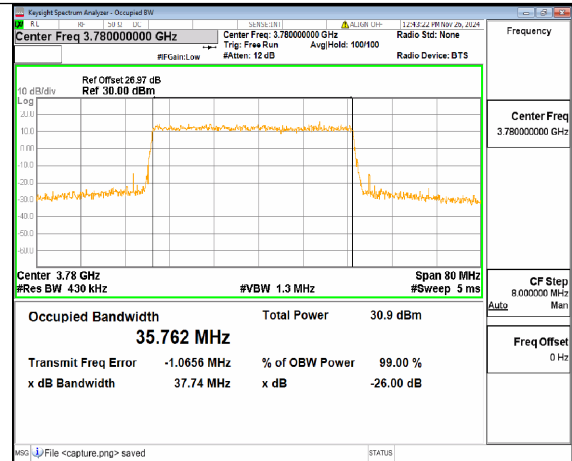
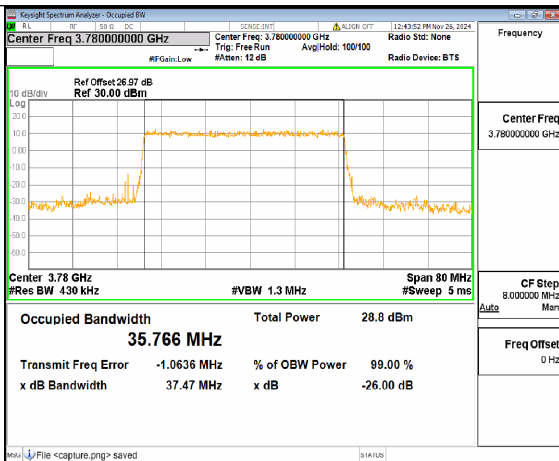
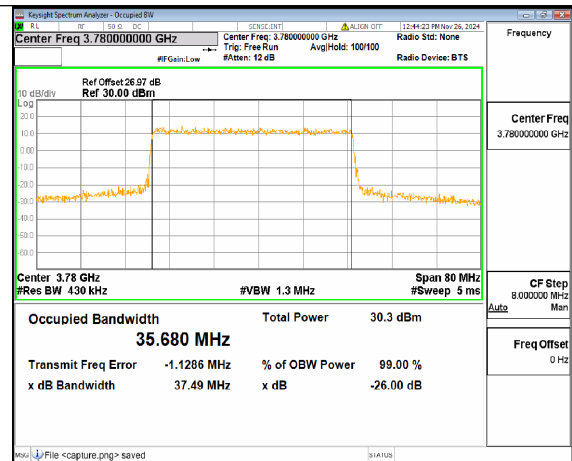
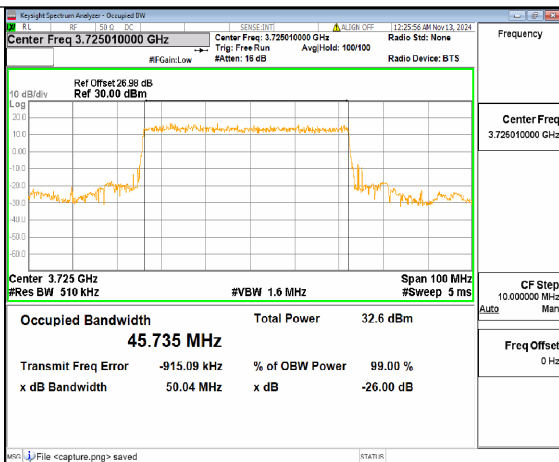
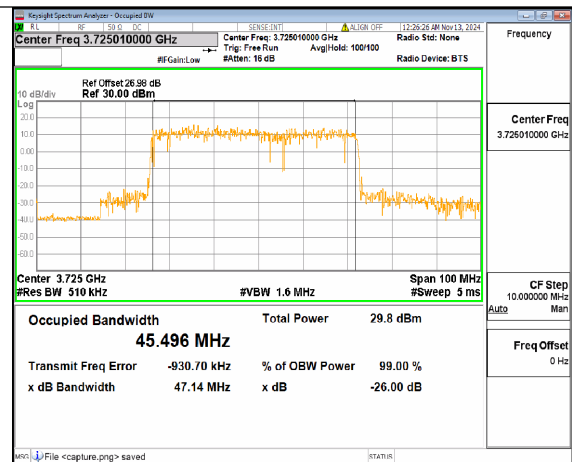
n78(3700-3800MHz) 40M CP-OFDM QPSK
Outer_Full Mid

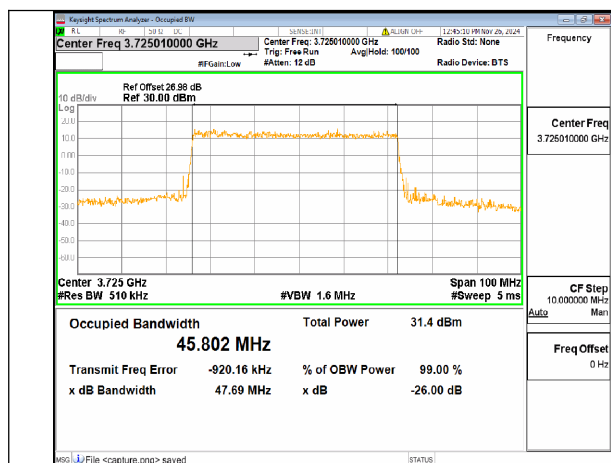
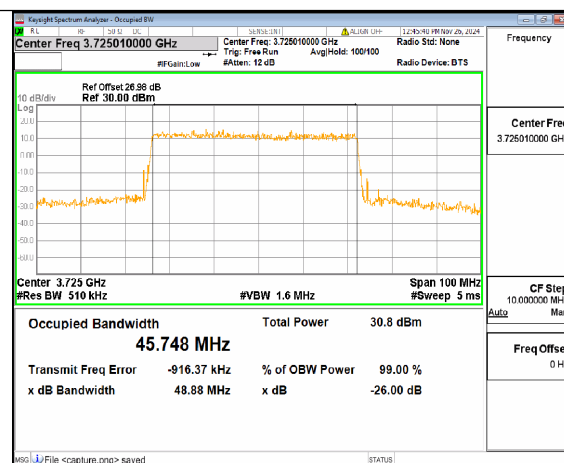
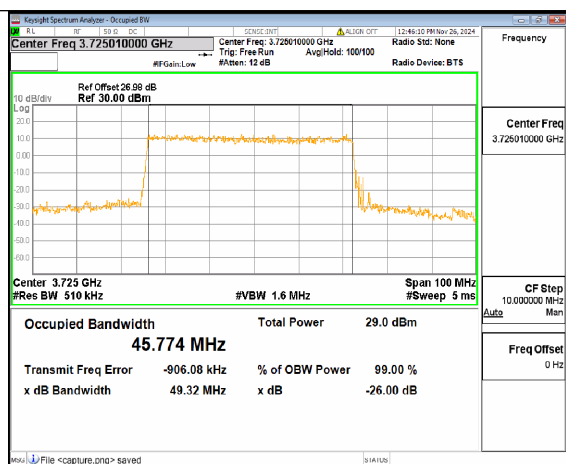
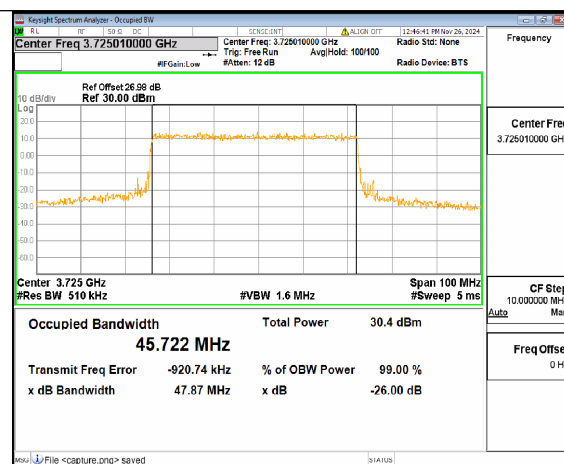
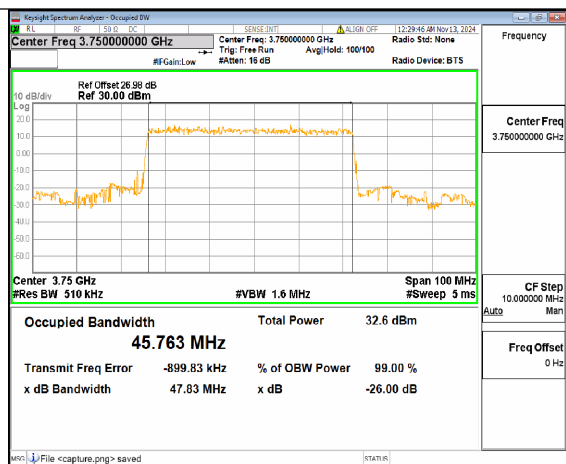
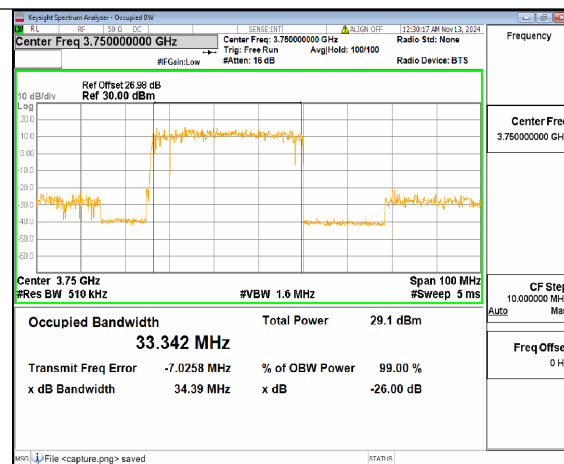


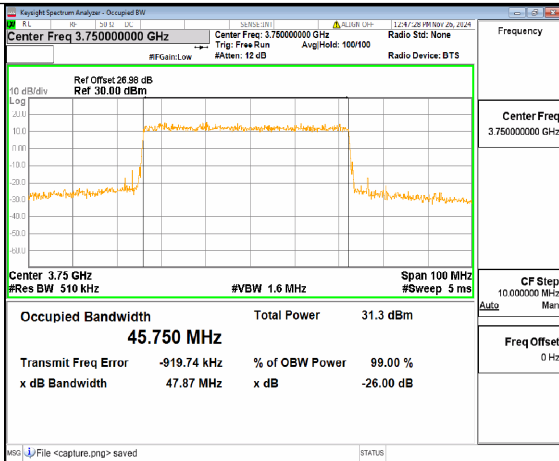
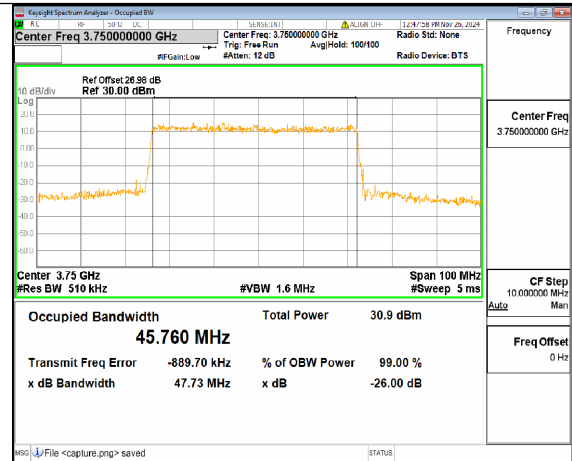
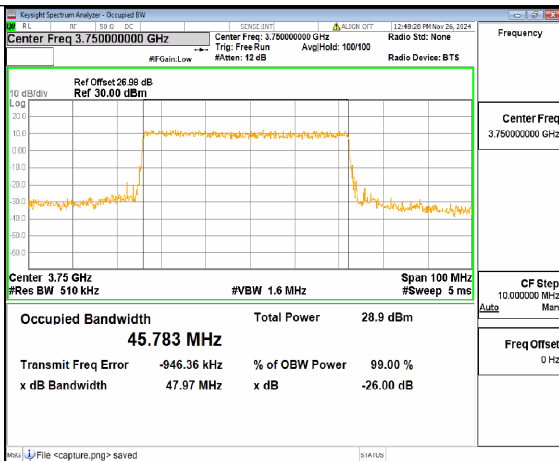
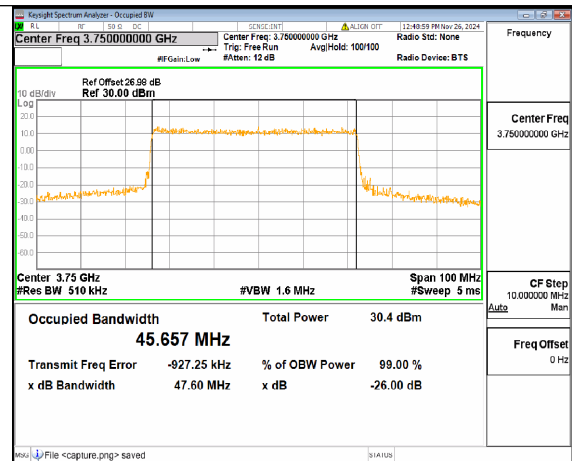
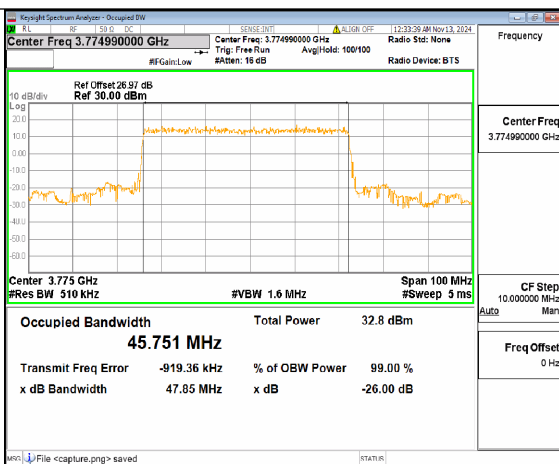
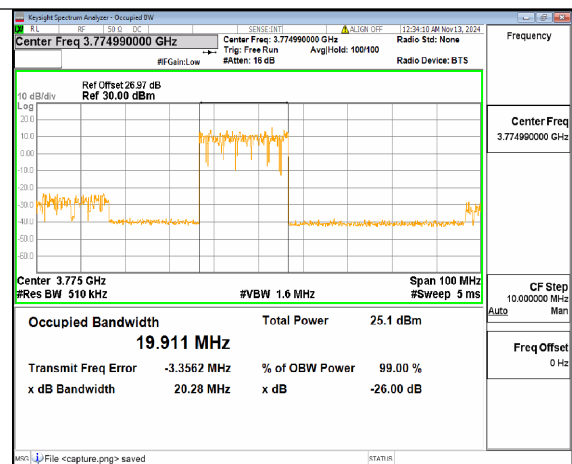
n78(3700-3800MHz) 40M DFT-s-OFDM
BPSK Outer_Full High

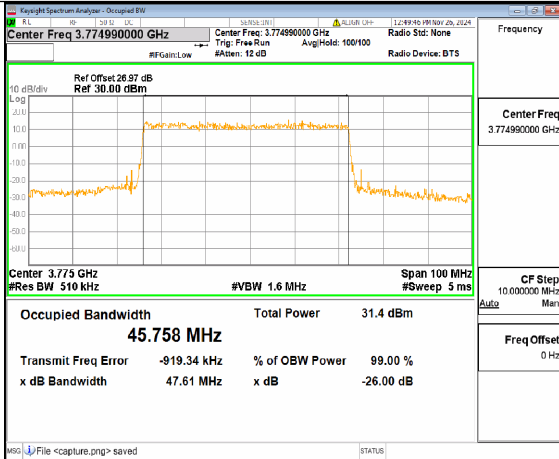
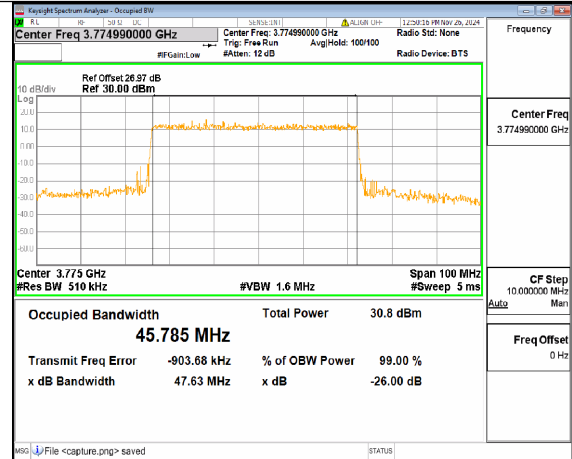
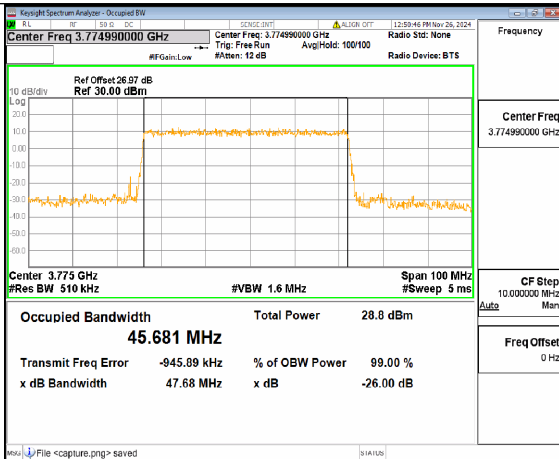
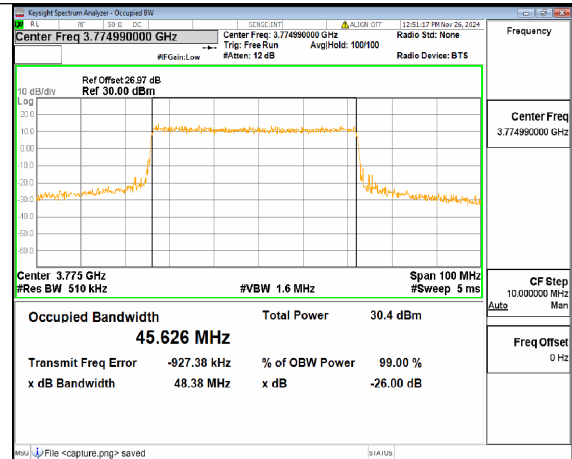
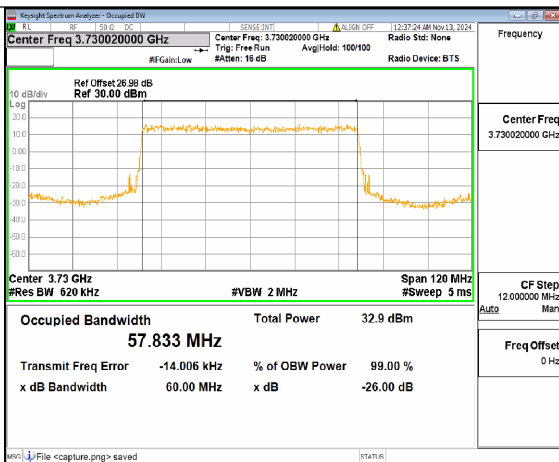
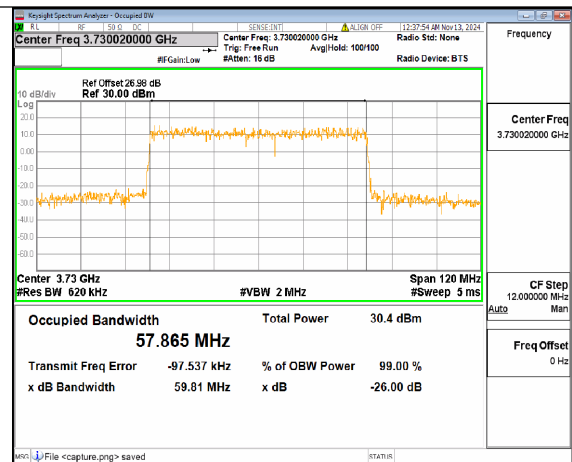


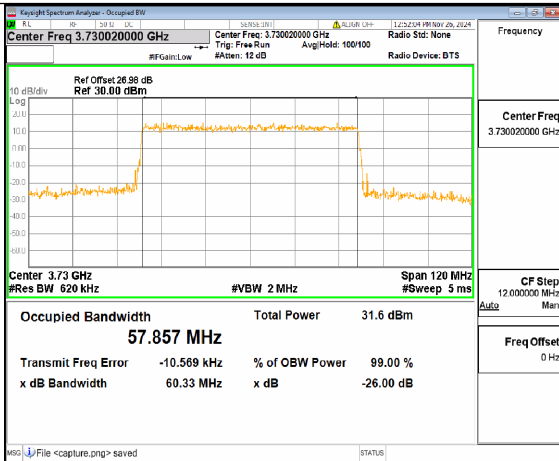
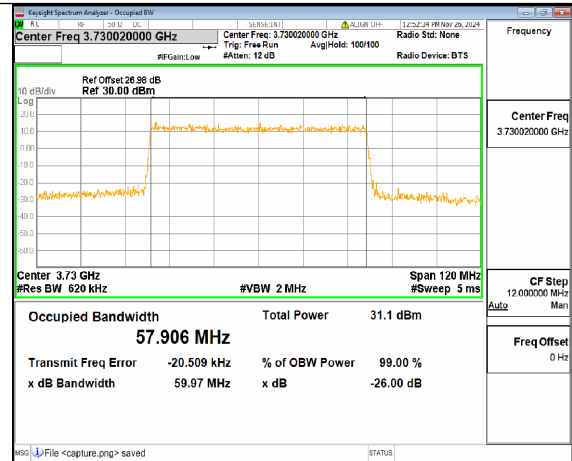
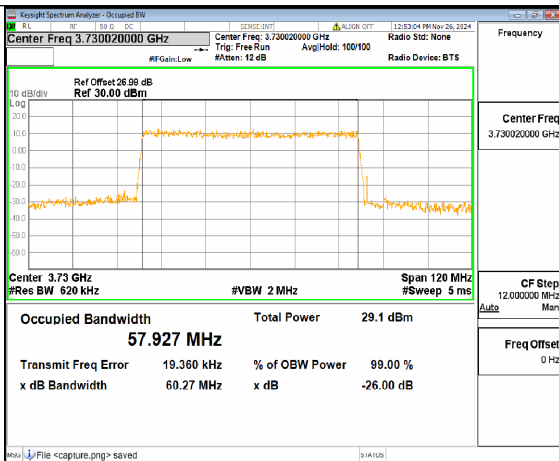
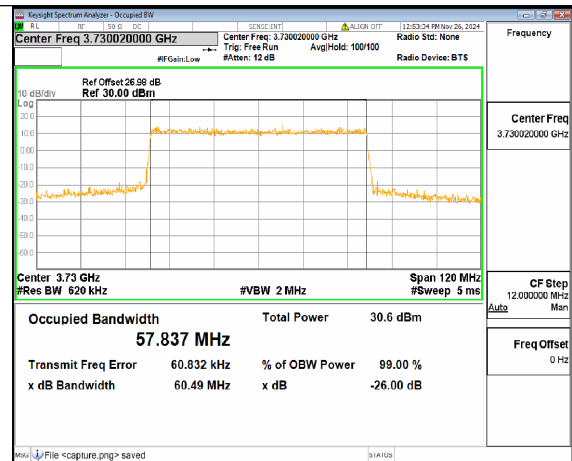
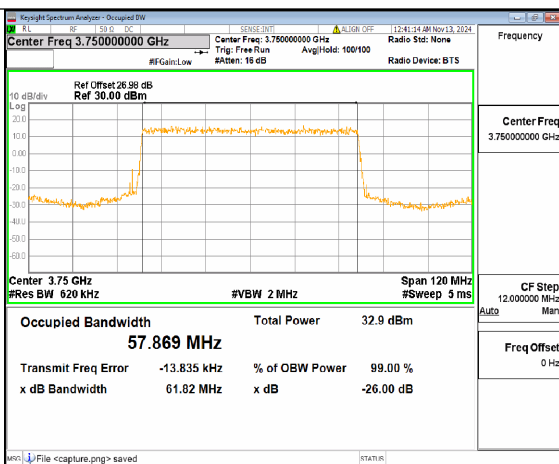
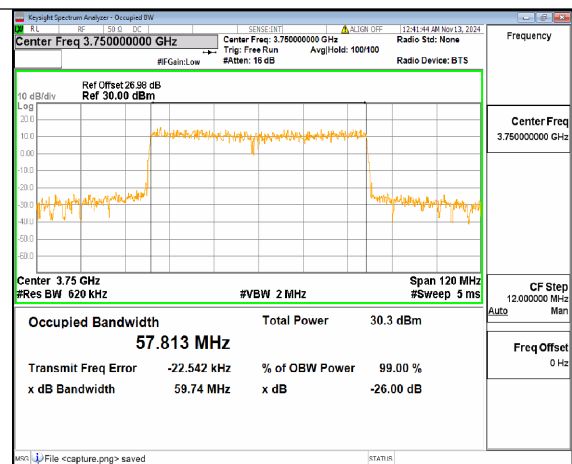
n78(3700-3800MHz) 40M DFT-s-OFDM
QPSK Outer_Full High

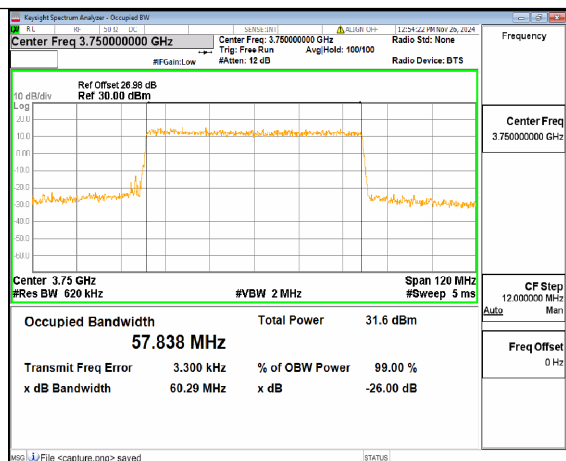
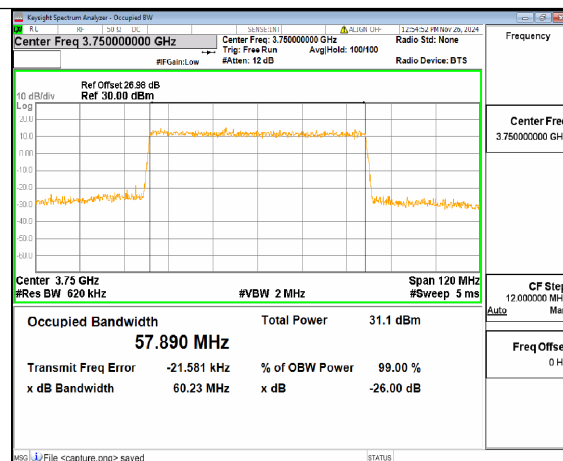
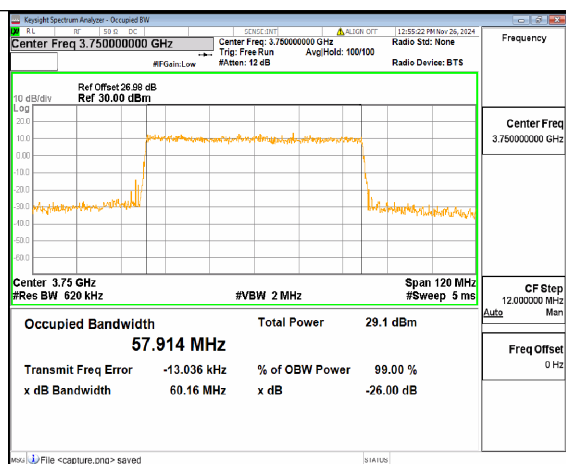
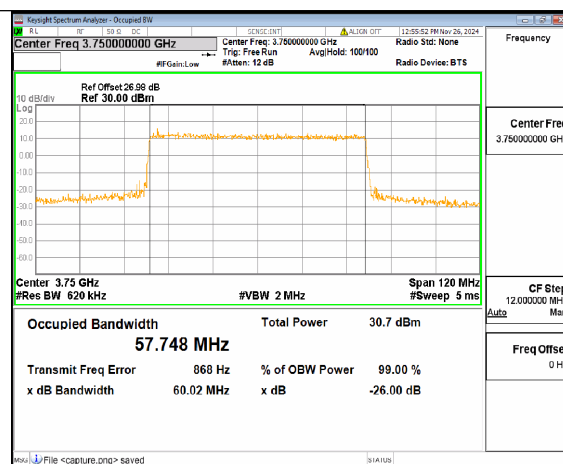
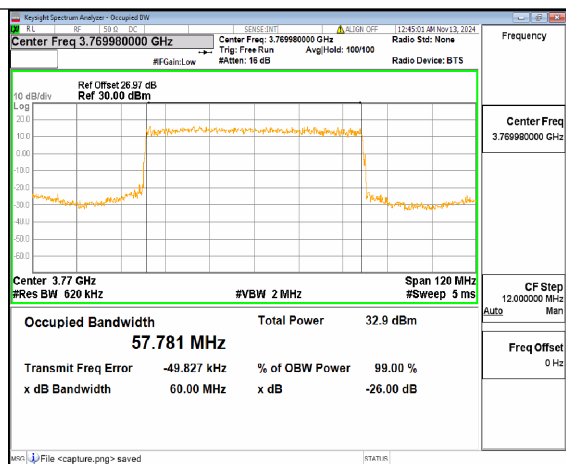
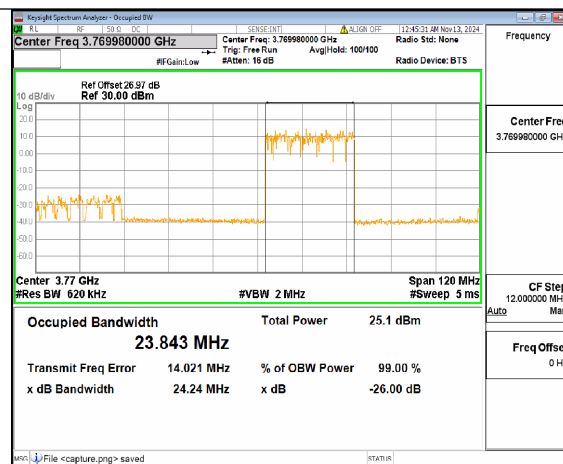
n78(3700-3800MHz) 40M DFT-s-OFDM
16QAM Outer_Full Highn78(3700-3800MHz) 40M DFT-s-OFDM
64QAM Outer_Full Highn78(3700-3800MHz) 40M DFT-s-OFDM
256QAM Outer_Full Highn78(3700-3800MHz) 40M CP-OFDM QPSK
Outer_Full Highn78(3700-3800MHz) 50M DFT-s-OFDM
BPSK Outer_Full Lown78(3700-3800MHz) 50M DFT-s-OFDM
QPSK Outer_Full Low

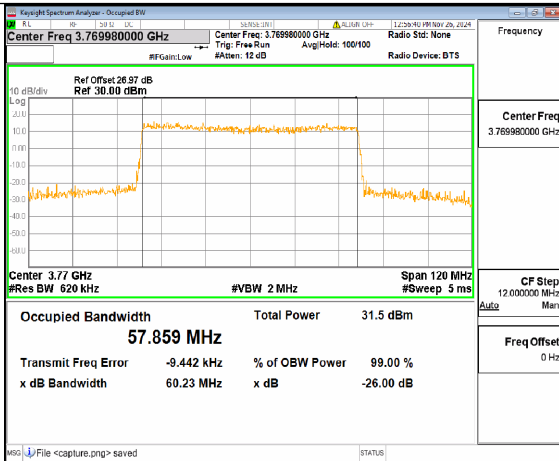
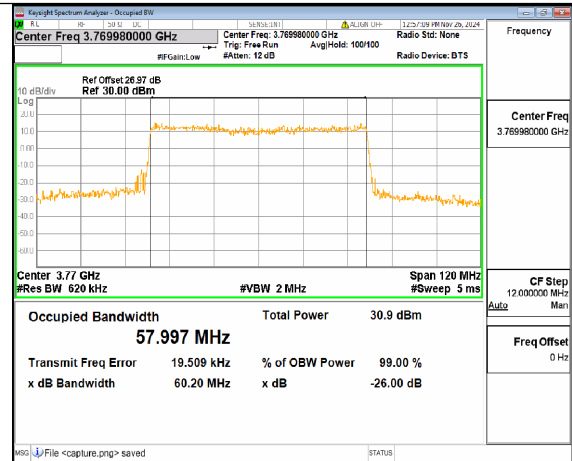
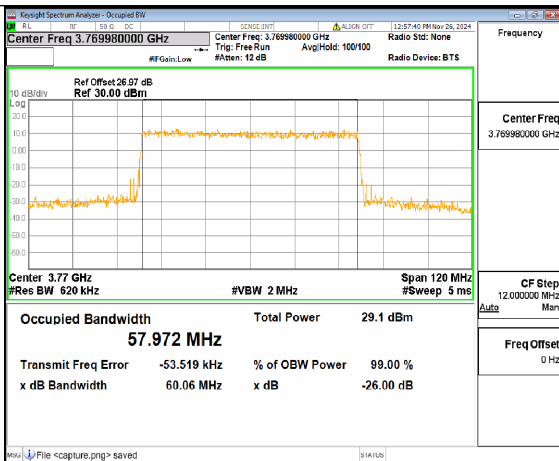
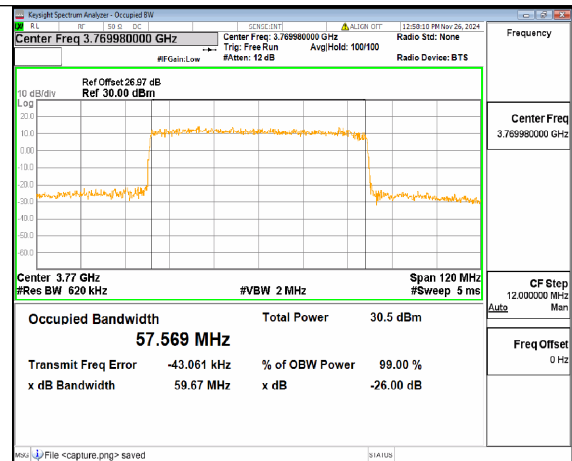
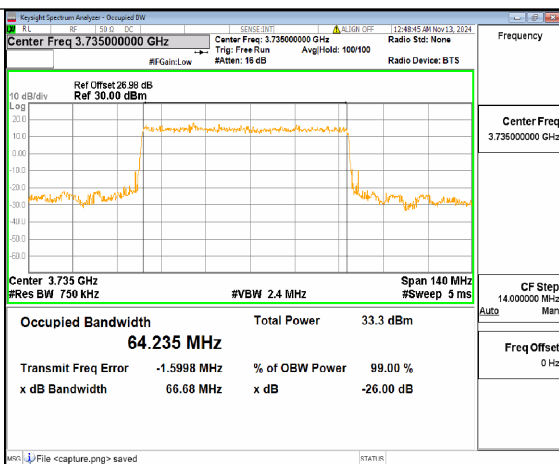
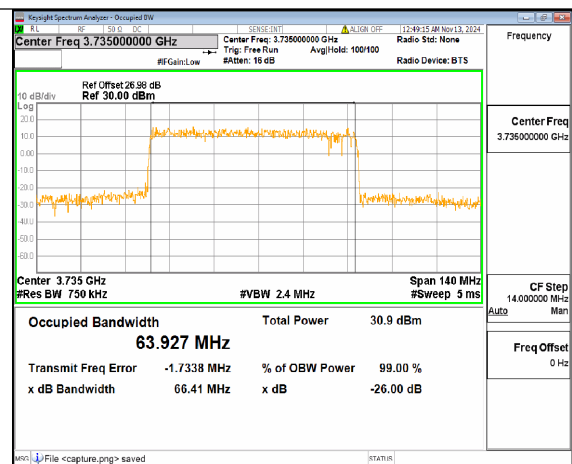
n78(3700-3800MHz) 50M DFT-s-OFDM
16QAM Outer_Full Lown78(3700-3800MHz) 50M DFT-s-OFDM
64QAM Outer_Full Lown78(3700-3800MHz) 50M DFT-s-OFDM
256QAM Outer_Full Lown78(3700-3800MHz) 50M CP-OFDM QPSK
Outer_Full Lown78(3700-3800MHz) 50M DFT-s-OFDM
BPSK Outer_Full Midn78(3700-3800MHz) 50M DFT-s-OFDM
QPSK Outer_Full Mid

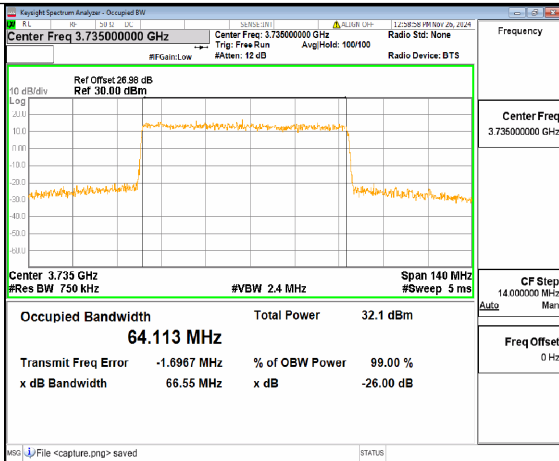
n78(3700-3800MHz) 50M DFT-s-OFDM
16QAM Outer_Full Midn78(3700-3800MHz) 50M DFT-s-OFDM
64QAM Outer_Full Midn78(3700-3800MHz) 50M DFT-s-OFDM
256QAM Outer_Full Midn78(3700-3800MHz) 50M CP-OFDM QPSK
Outer_Full Midn78(3700-3800MHz) 50M DFT-s-OFDM
BPSK Outer_Full Highn78(3700-3800MHz) 50M DFT-s-OFDM
QPSK Outer_Full High

n78(3700-3800MHz) 50M DFT-s-OFDM
16QAM Outer_Full Highn78(3700-3800MHz) 50M DFT-s-OFDM
64QAM Outer_Full Highn78(3700-3800MHz) 50M DFT-s-OFDM
256QAM Outer_Full Highn78(3700-3800MHz) 50M CP-OFDM QPSK
Outer_Full Highn78(3700-3800MHz) 60M DFT-s-OFDM
BPSK Outer_Full Lown78(3700-3800MHz) 60M DFT-s-OFDM
QPSK Outer_Full Low

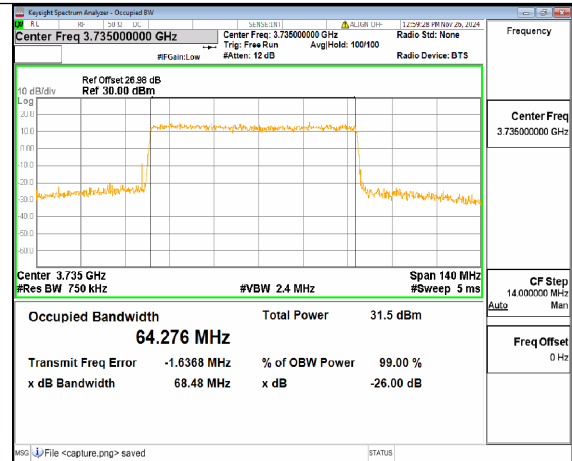
n78(3700-3800MHz) 60M DFT-s-OFDM
16QAM Outer_Full Lown78(3700-3800MHz) 60M DFT-s-OFDM
64QAM Outer_Full Lown78(3700-3800MHz) 60M DFT-s-OFDM
256QAM Outer_Full Lown78(3700-3800MHz) 60M CP-OFDM QPSK
Outer_Full Lown78(3700-3800MHz) 60M DFT-s-OFDM
BPSK Outer_Full Midn78(3700-3800MHz) 60M DFT-s-OFDM
QPSK Outer_Full Mid

n78(3700-3800MHz) 60M DFT-s-OFDM
16QAM Outer_Full Midn78(3700-3800MHz) 60M DFT-s-OFDM
64QAM Outer_Full Midn78(3700-3800MHz) 60M DFT-s-OFDM
256QAM Outer_Full Midn78(3700-3800MHz) 60M CP-OFDM QPSK
Outer_Full Midn78(3700-3800MHz) 60M DFT-s-OFDM
BPSK Outer_Full Highn78(3700-3800MHz) 60M DFT-s-OFDM
QPSK Outer_Full High

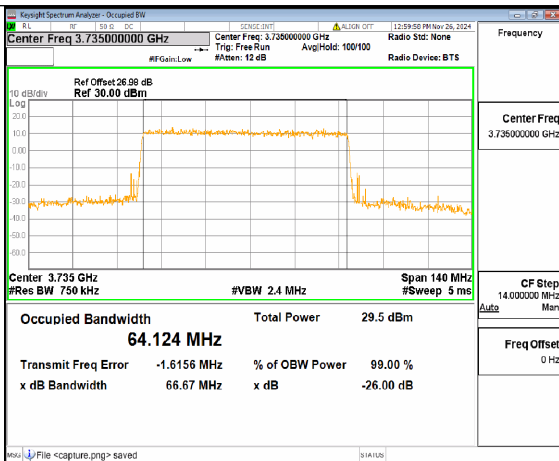
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16QAM Outer_Full Highn78(3700-3800MHz) 60M DFT-s-OFDM
64QAM Outer_Full Highn78(3700-3800MHz) 60M DFT-s-OFDM
256QAM Outer_Full Highn78(3700-3800MHz) 60M CP-OFDM QPSK
Outer_Full Highn78(3700-3800MHz) 70M DFT-s-OFDM
BPSK Outer_Full Lown78(3700-3800MHz) 70M DFT-s-OFDM
QPSK Outer_Full Low



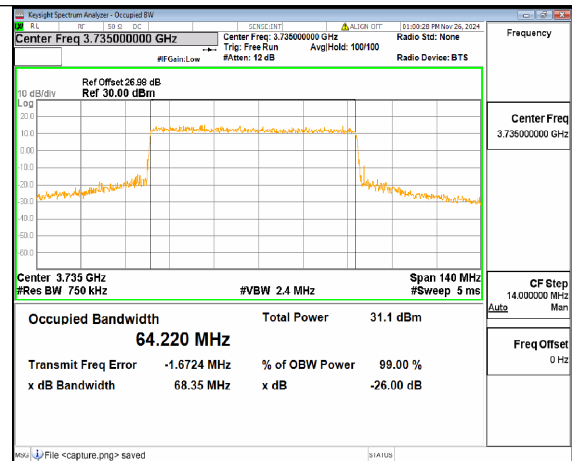
n78(3700-3800MHz) 70M DFT-s-OFDM
16QAM Outer_Full Low



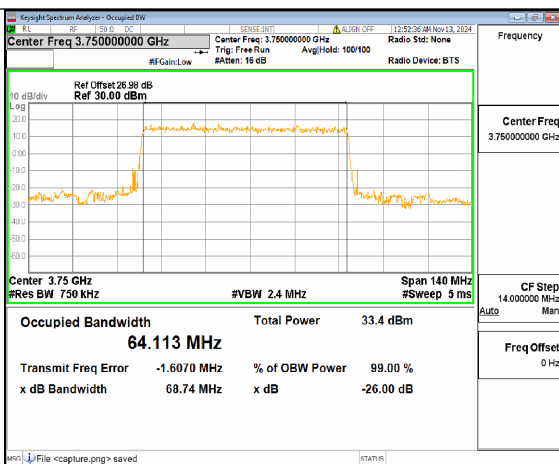
n78(3700-3800MHz) 70M DFT-s-OFDM
64QAM Outer_Full Low



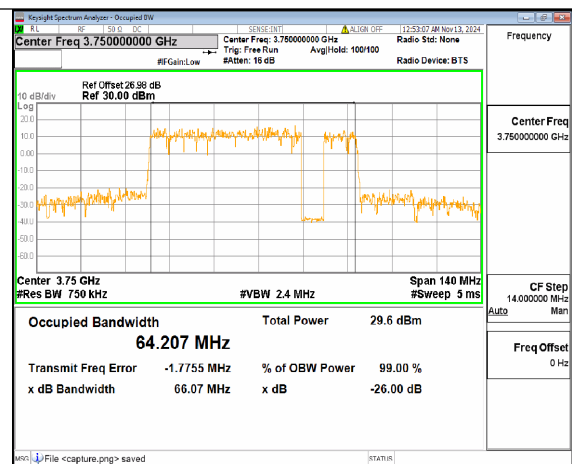
n78(3700-3800MHz) 70M DFT-s-OFDM
256QAM Outer_Full Low



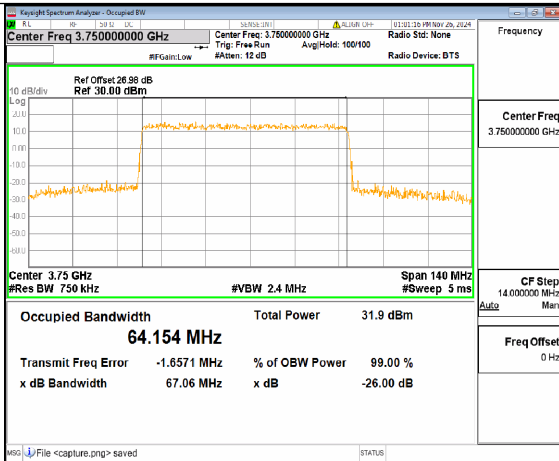
n78(3700-3800MHz) 70M CP-OFDM QPSK
Outer_Full Low



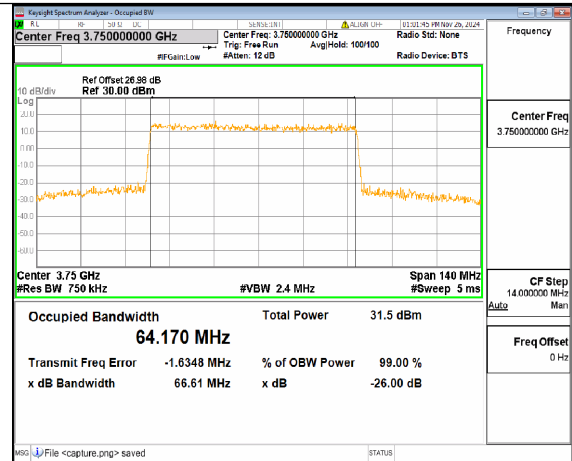
n78(3700-3800MHz) 70M DFT-s-OFDM
BPSK Outer_Full Mid



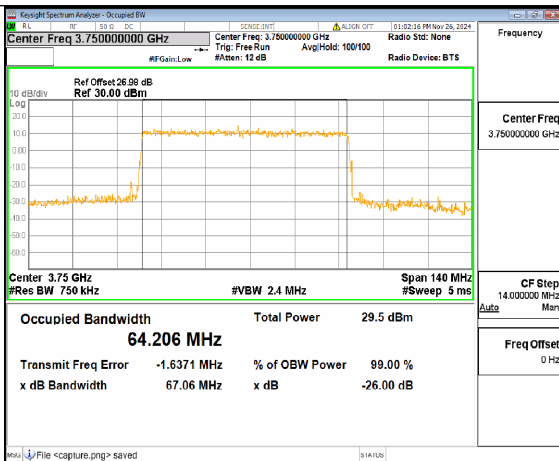
n78(3700-3800MHz) 70M DFT-s-OFDM
QPSK Outer_Full Mid



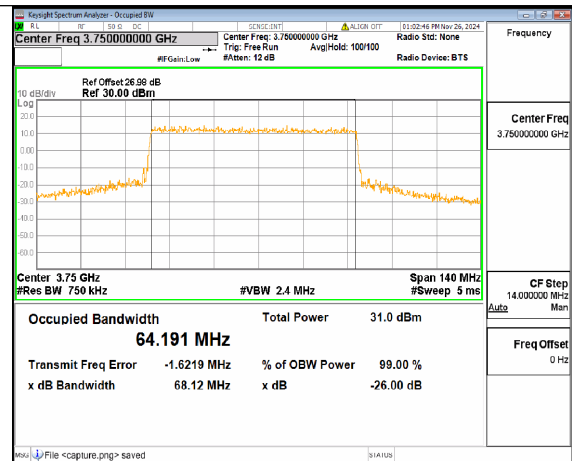
n78(3700-3800MHz) 70M DFT-s-OFDM
16QAM Outer_Full Mid



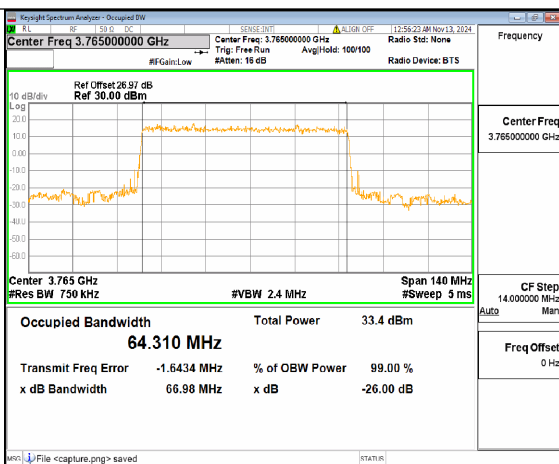
n78(3700-3800MHz) 70M DFT-s-OFDM
64QAM Outer_Full Mid



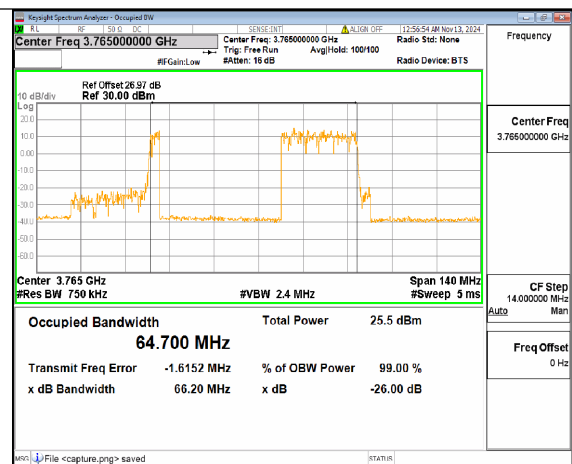
n78(3700-3800MHz) 70M DFT-s-OFDM
256QAM Outer_Full Mid



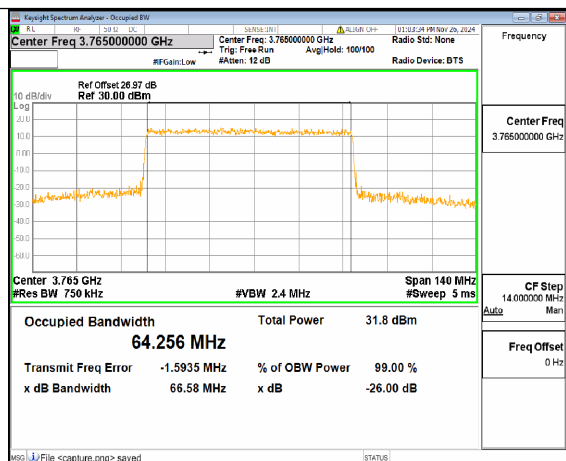
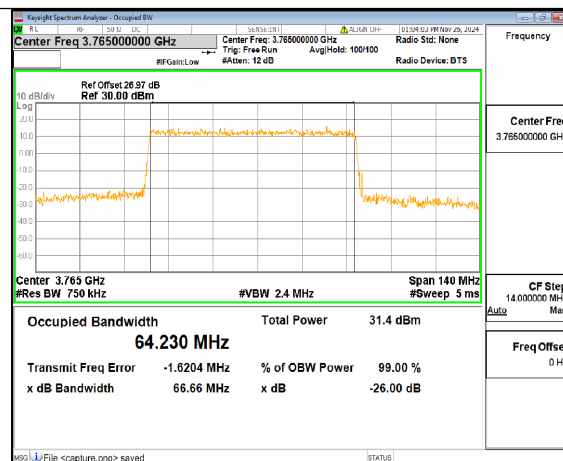
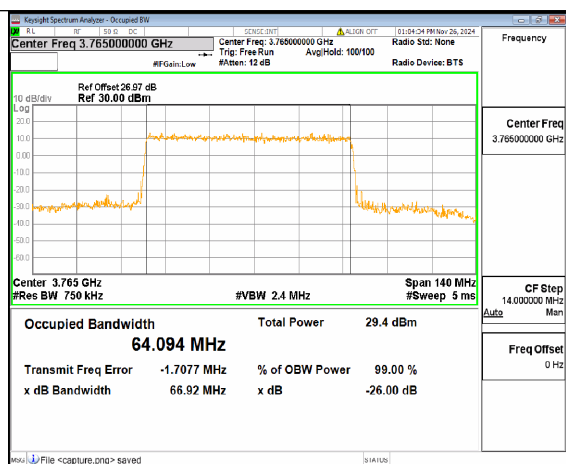
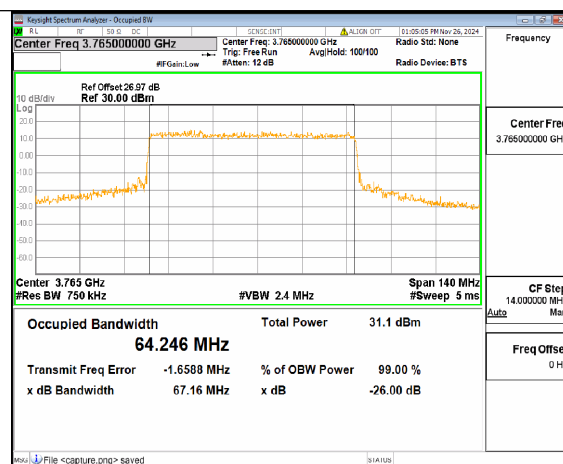
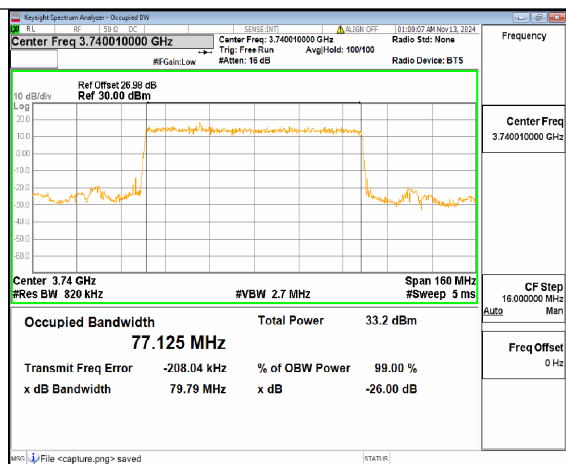
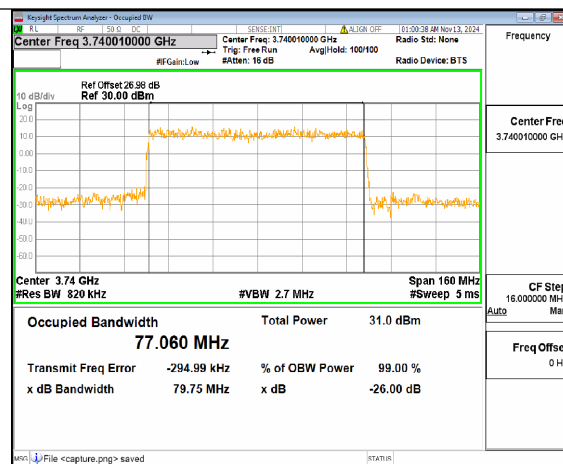
n78(3700-3800MHz) 70M CP-OFDM QPSK
Outer_Full Mid

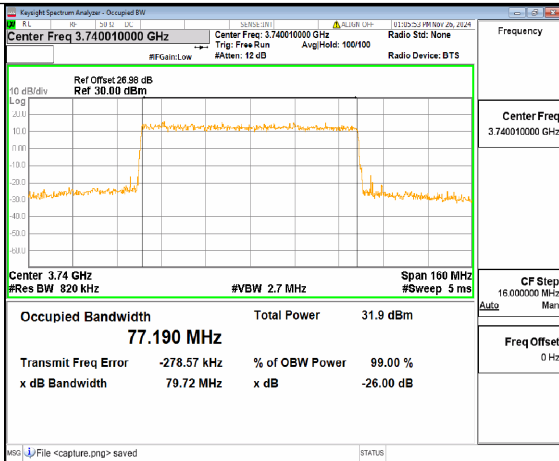


n78(3700-3800MHz) 70M DFT-s-OFDM
BPSK Outer_Full High

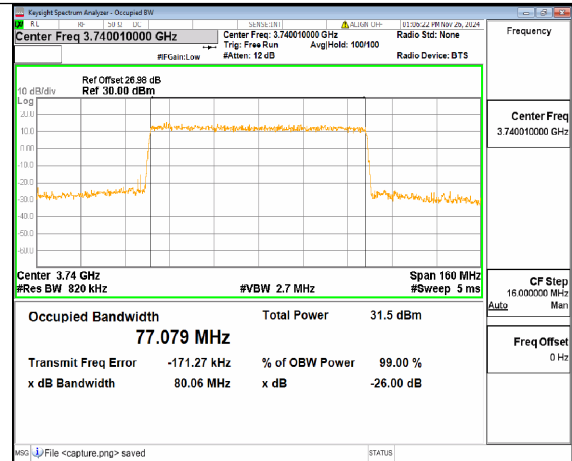


n78(3700-3800MHz) 70M DFT-s-OFDM
QPSK Outer_Full High

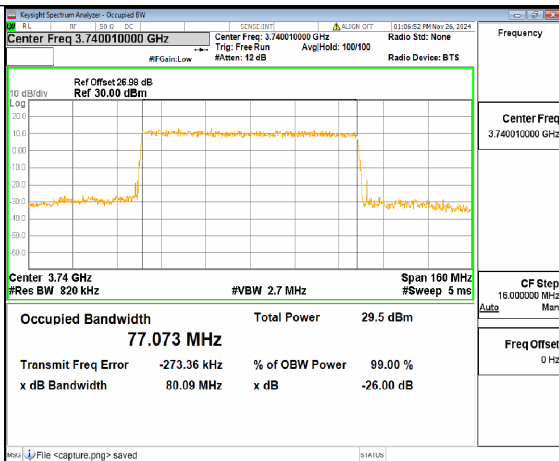
n78(3700-3800MHz) 70M DFT-s-OFDM
16QAM Outer_Full Highn78(3700-3800MHz) 70M DFT-s-OFDM
64QAM Outer_Full Highn78(3700-3800MHz) 70M DFT-s-OFDM
256QAM Outer_Full Highn78(3700-3800MHz) 70M CP-OFDM QPSK
Outer_Full Highn78(3700-3800MHz) 80M DFT-s-OFDM
BPSK Outer_Full Lown78(3700-3800MHz) 80M DFT-s-OFDM
QPSK Outer_Full Low



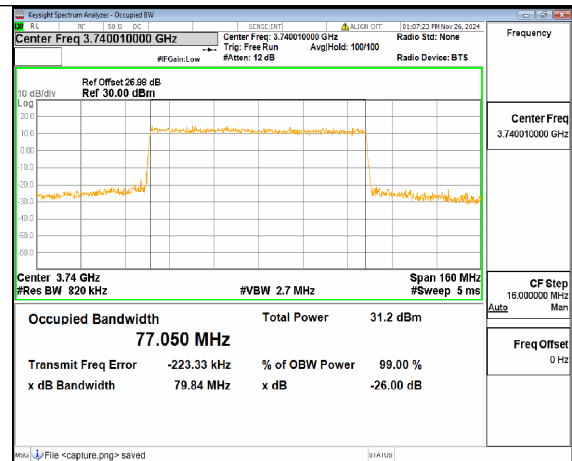
n78(3700-3800MHz) 80M DFT-s-OFDM
16QAM Outer_Full Low



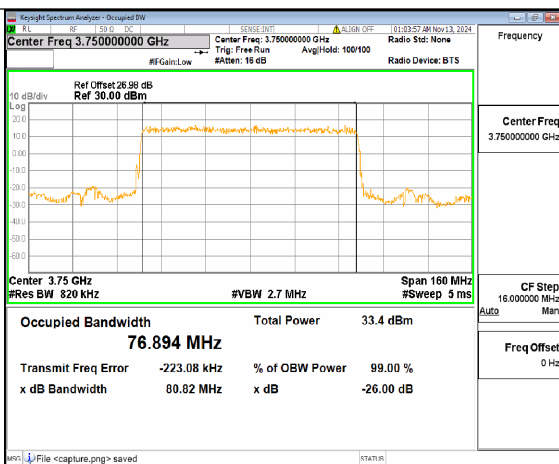
n78(3700-3800MHz) 80M DFT-s-OFDM
64QAM Outer_Full Low



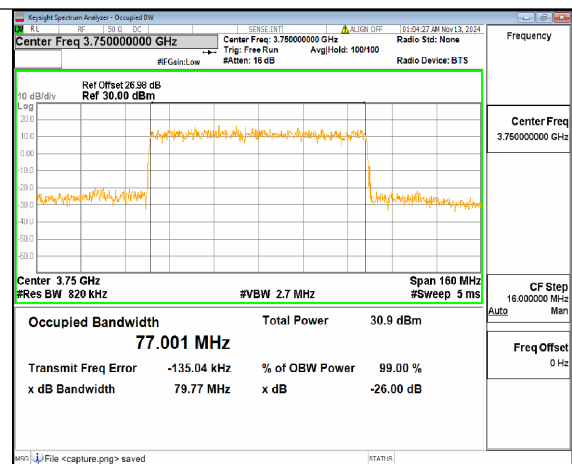
n78(3700-3800MHz) 80M DFT-s-OFDM
256QAM Outer_Full Low



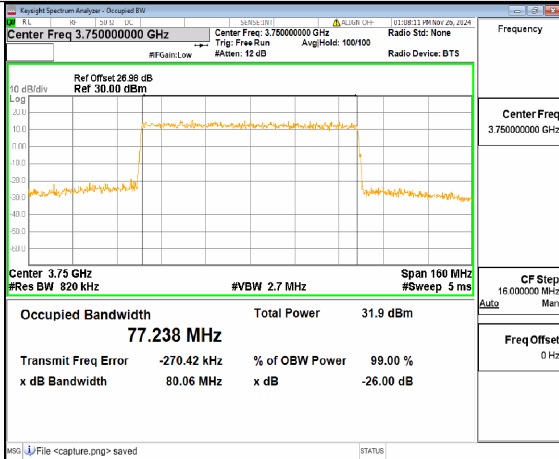
n78(3700-3800MHz) 80M CP-OFDM QPSK
Outer_Full Low



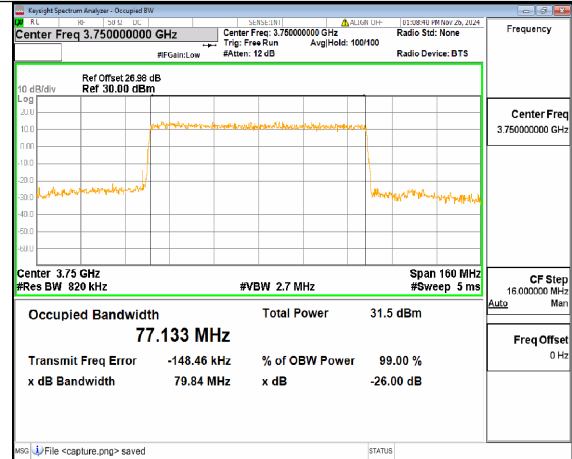
n78(3700-3800MHz) 80M DFT-s-OFDM
BPSK Outer_Full Mid



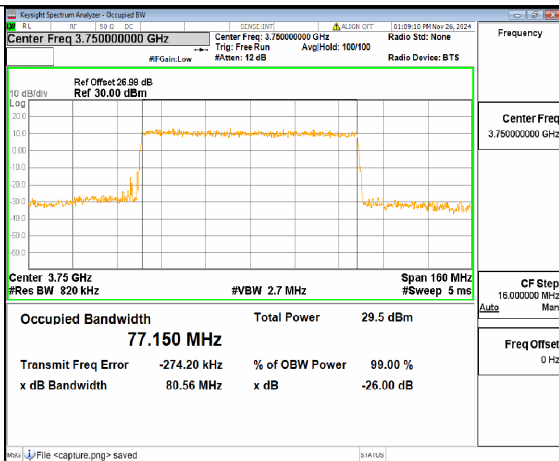
n78(3700-3800MHz) 80M DFT-s-OFDM
QPSK Outer_Full Mid



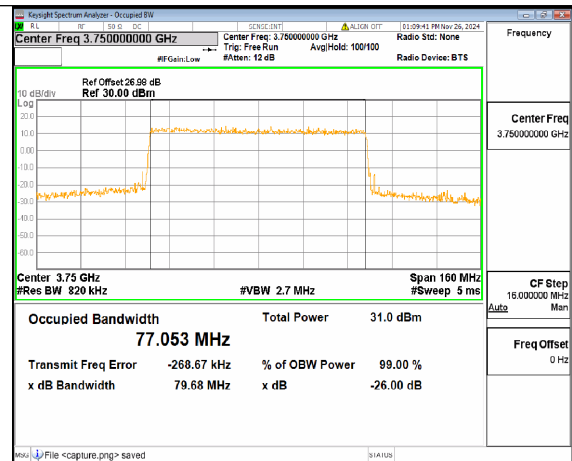
n78(3700-3800MHz) 80M DFT-s-OFDM
16QAM Outer_Full Mid



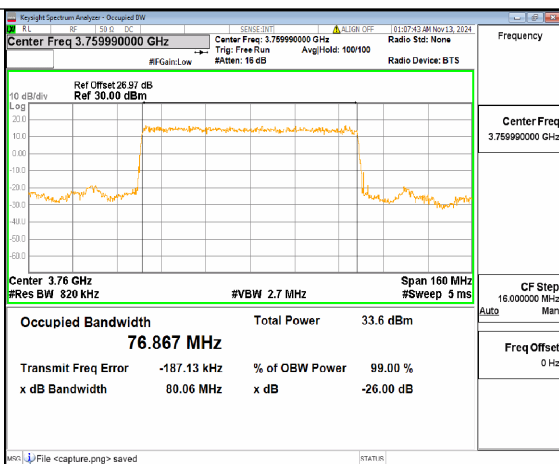
n78(3700-3800MHz) 80M DFT-s-OFDM
64QAM Outer_Full Mid



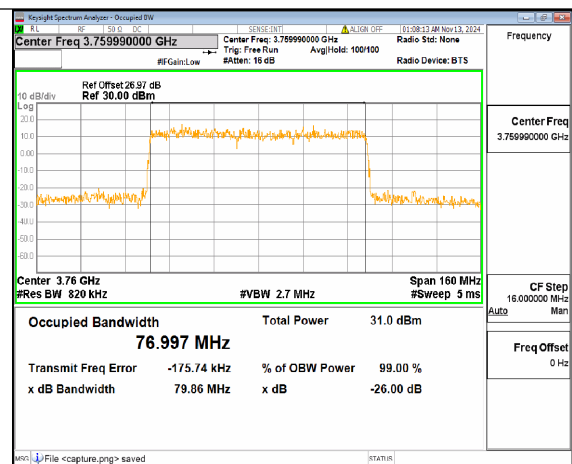
n78(3700-3800MHz) 80M DFT-s-OFDM
256QAM Outer_Full Mid



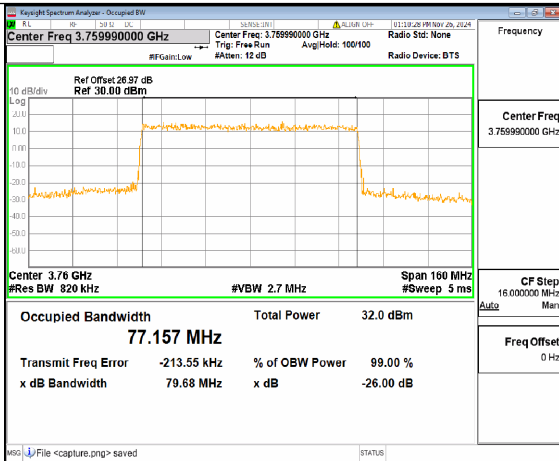
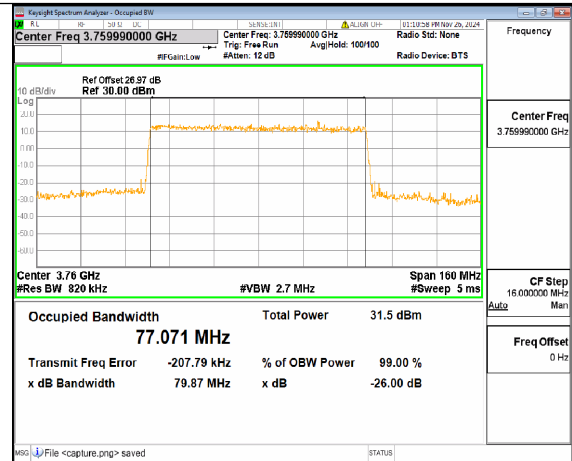
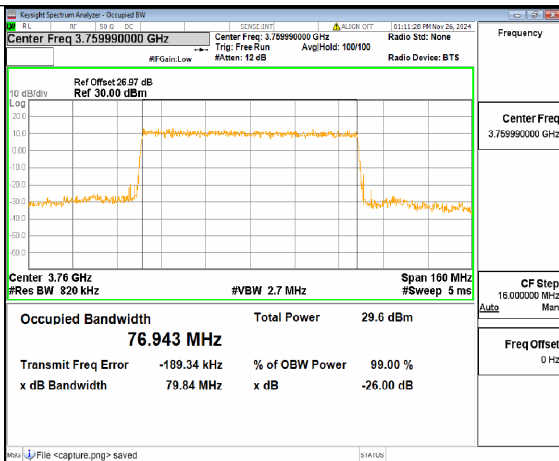
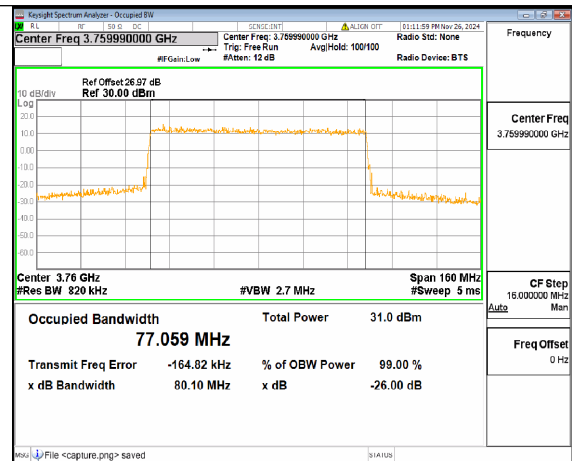
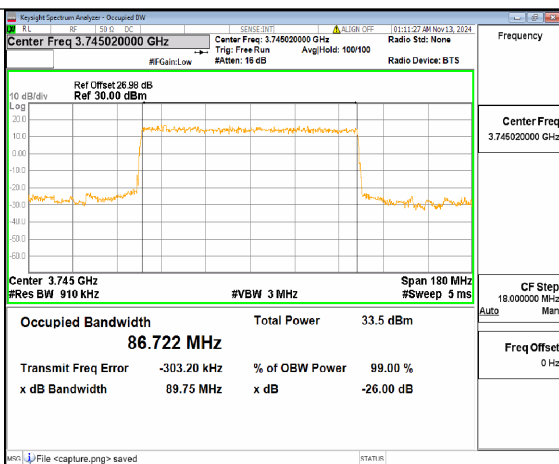
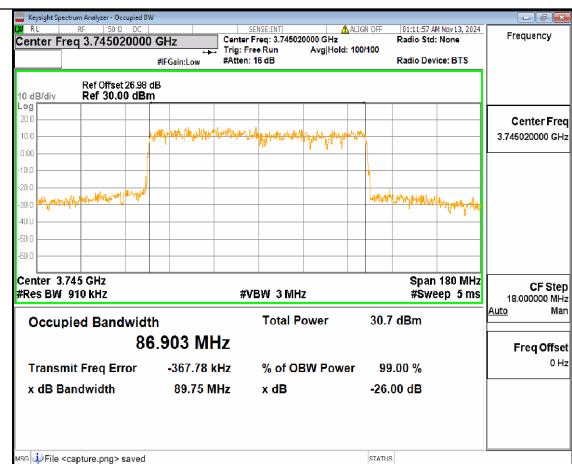
n78(3700-3800MHz) 80M CP-OFDM QPSK
Outer_Full Mid

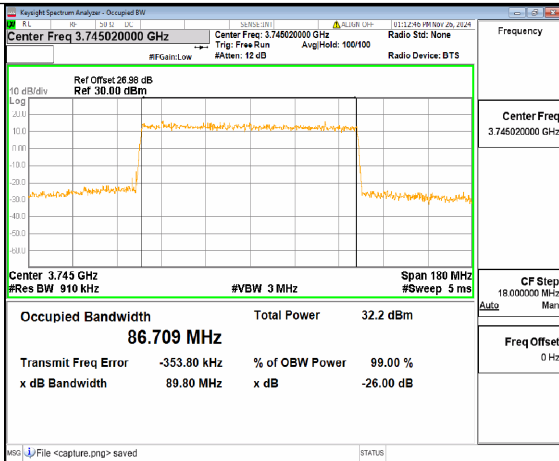
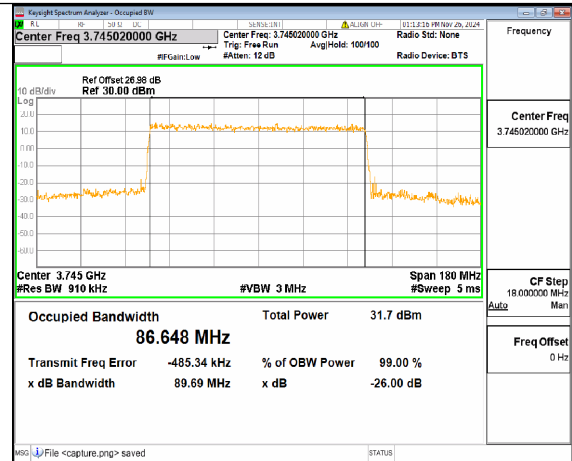
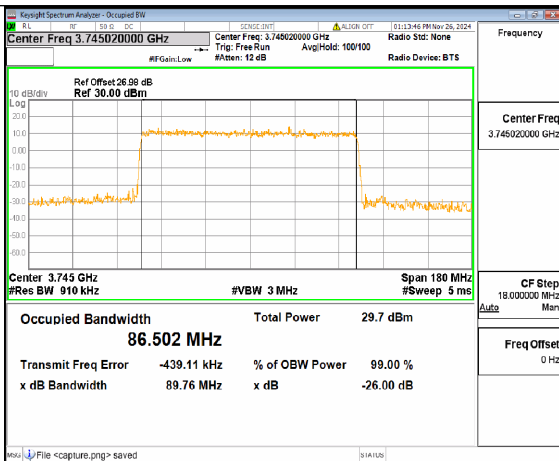
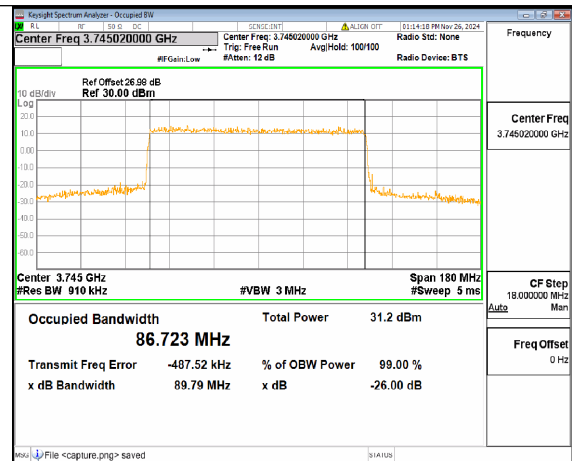
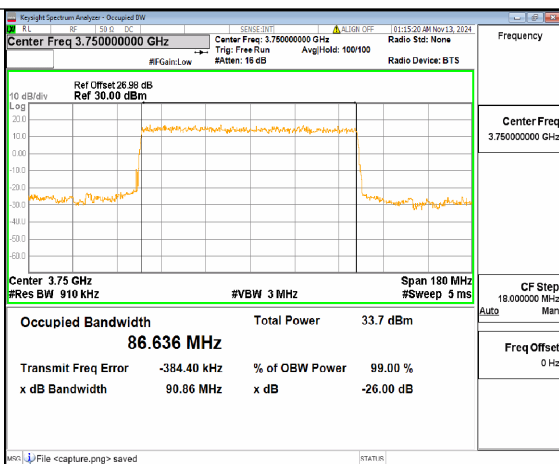
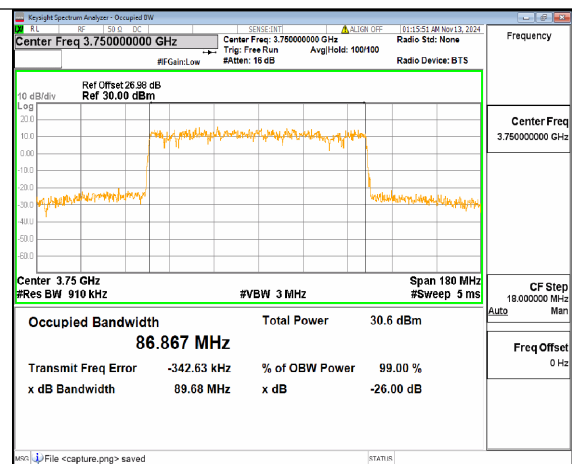


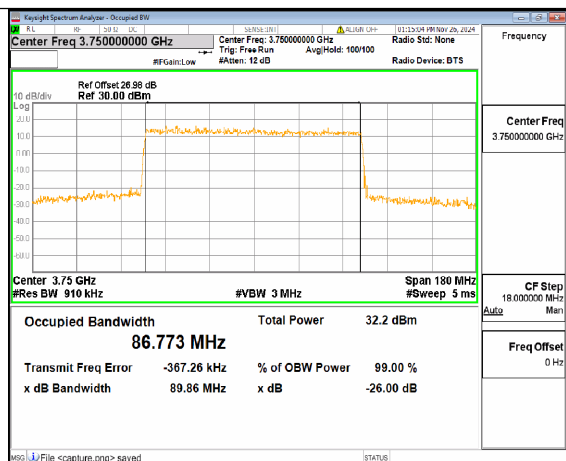
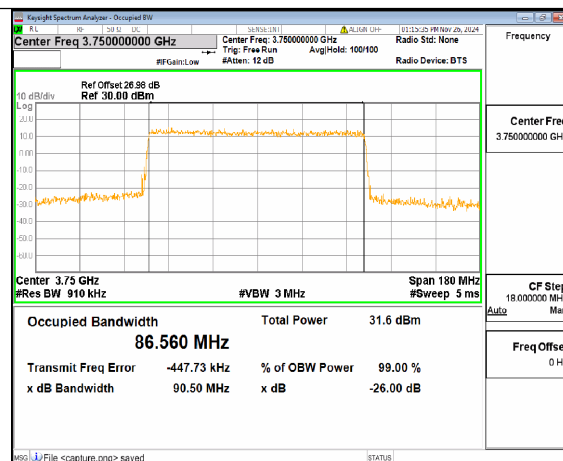
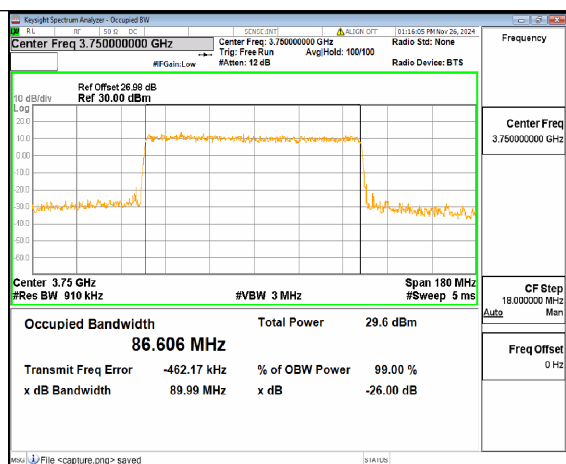
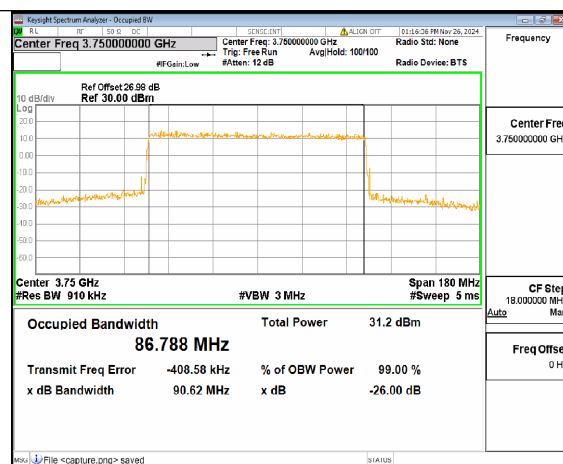
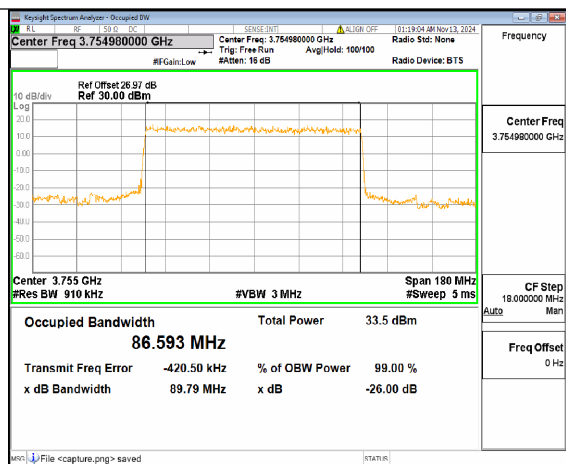
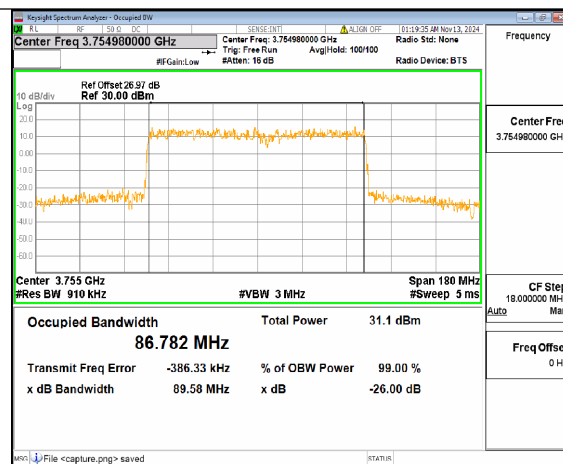
n78(3700-3800MHz) 80M DFT-s-OFDM
BPSK Outer_Full High

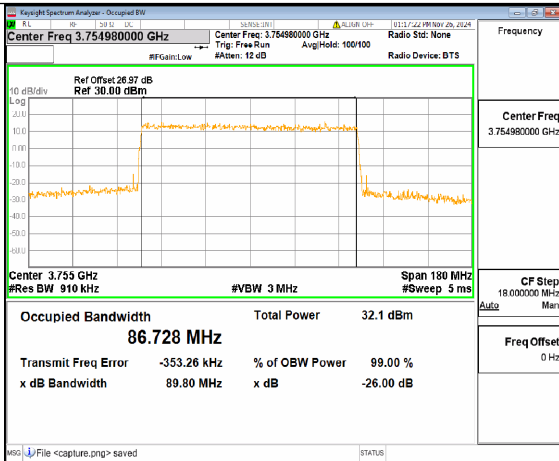
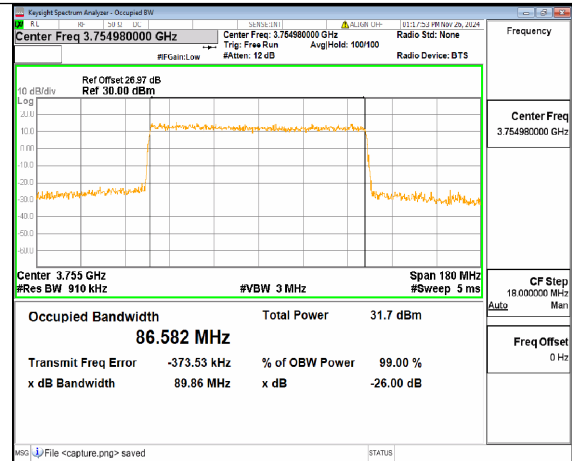
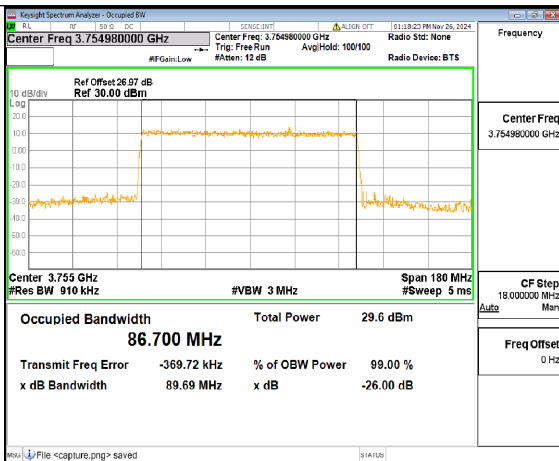
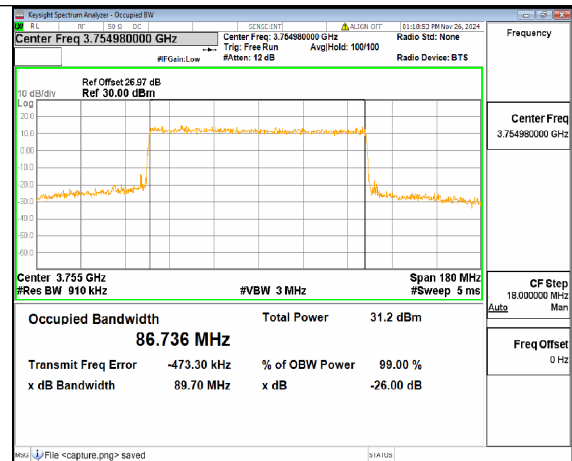
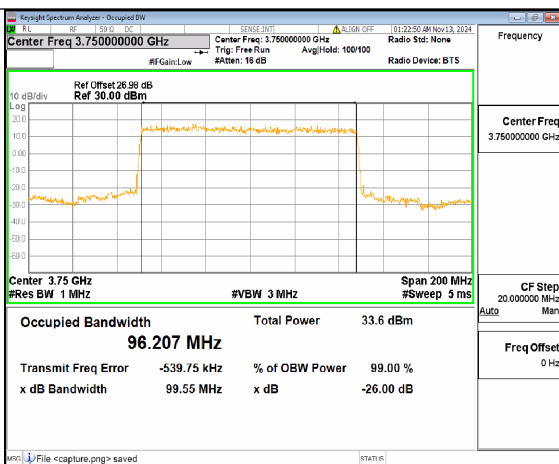
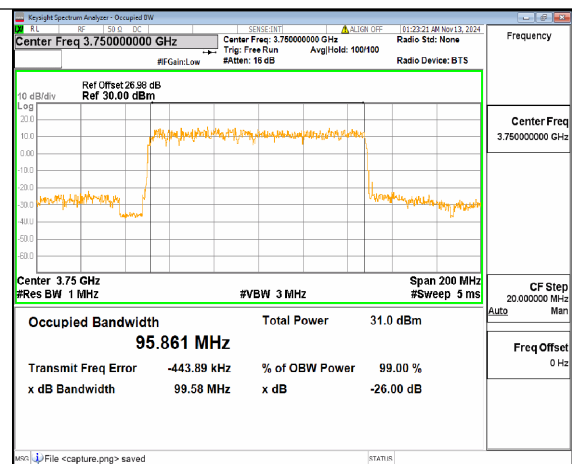


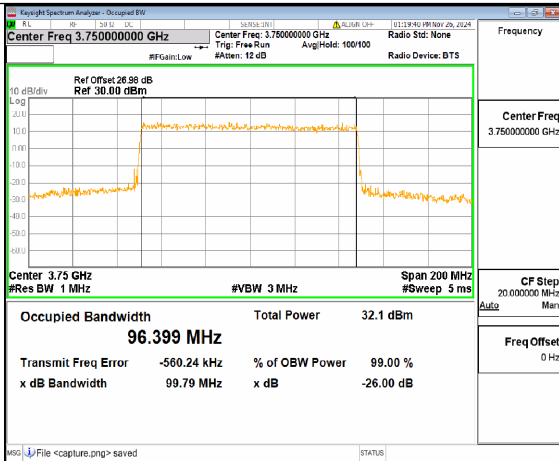
n78(3700-3800MHz) 80M DFT-s-OFDM
QPSK Outer_Full High

n78(3700-3800MHz) 80M DFT-s-OFDM
16QAM Outer_Full Highn78(3700-3800MHz) 80M DFT-s-OFDM
64QAM Outer_Full Highn78(3700-3800MHz) 80M DFT-s-OFDM
256QAM Outer_Full Highn78(3700-3800MHz) 80M CP-OFDM QPSK
Outer_Full Highn78(3700-3800MHz) 90M DFT-s-OFDM
BPSK Outer_Full Lown78(3700-3800MHz) 90M DFT-s-OFDM
QPSK Outer_Full Low

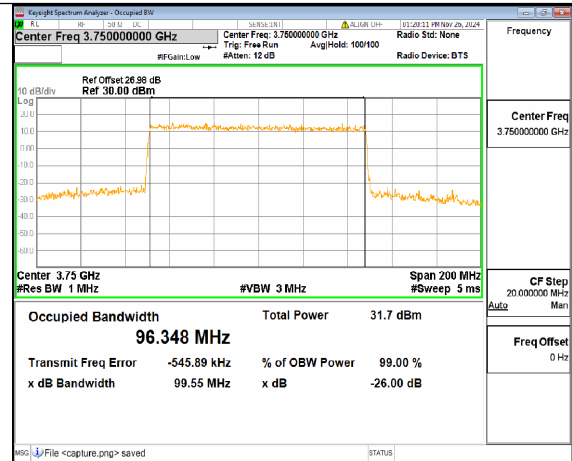
n78(3700-3800MHz) 90M DFT-s-OFDM
16QAM Outer_Full Lown78(3700-3800MHz) 90M DFT-s-OFDM
64QAM Outer_Full Lown78(3700-3800MHz) 90M DFT-s-OFDM
256QAM Outer_Full Lown78(3700-3800MHz) 90M CP-OFDM QPSK
Outer_Full Lown78(3700-3800MHz) 90M DFT-s-OFDM
BPSK Outer_Full Midn78(3700-3800MHz) 90M DFT-s-OFDM
QPSK Outer_Full Mid

n78(3700-3800MHz) 90M DFT-s-OFDM
16QAM Outer_Full Midn78(3700-3800MHz) 90M DFT-s-OFDM
64QAM Outer_Full Midn78(3700-3800MHz) 90M DFT-s-OFDM
256QAM Outer_Full Midn78(3700-3800MHz) 90M CP-OFDM QPSK
Outer_Full Midn78(3700-3800MHz) 90M DFT-s-OFDM
BPSK Outer_Full Highn78(3700-3800MHz) 90M DFT-s-OFDM
QPSK Outer_Full High

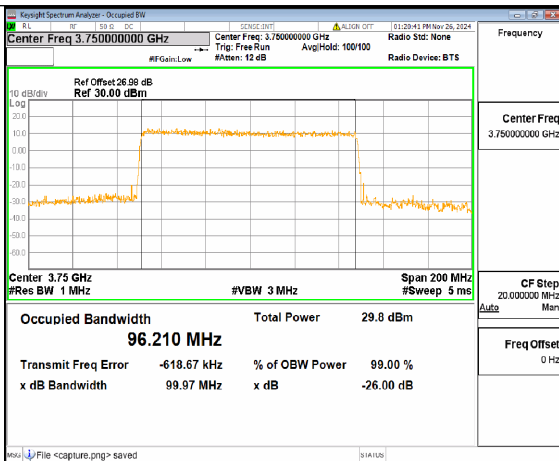
n78(3700-3800MHz) 90M DFT-s-OFDM
16QAM Outer_Full Highn78(3700-3800MHz) 90M DFT-s-OFDM
64QAM Outer_Full Highn78(3700-3800MHz) 90M DFT-s-OFDM
256QAM Outer_Full Highn78(3700-3800MHz) 90M CP-OFDM QPSK
Outer_Full Highn78(3700-3800MHz) 100M DFT-s-OFDM
BPSK Outer_Full Midn78(3700-3800MHz) 100M DFT-s-OFDM
QPSK Outer_Full Mid



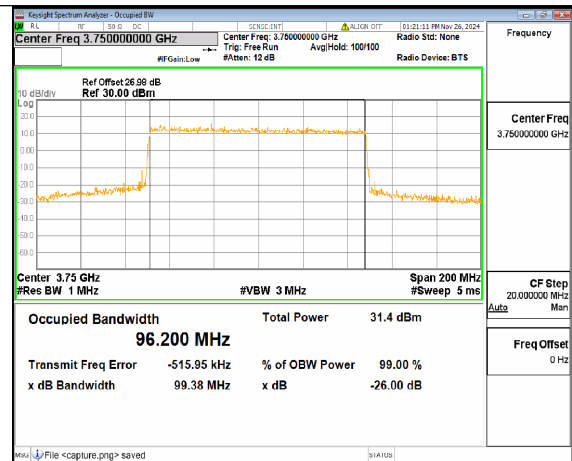
n78(3700-3800MHz) 100M DFT-s-OFDM
16QAM Outer_Full Mid



n78(3700-3800MHz) 100M DFT-s-OFDM
64QAM Outer_Full Mid



n78(3700-3800MHz) 100M DFT-s-OFDM
256QAM Outer_Full Mid



n78(3700-3800MHz) 100M CP-OFDM
QPSK Outer_Full Mid

2.3. Frequency Stability

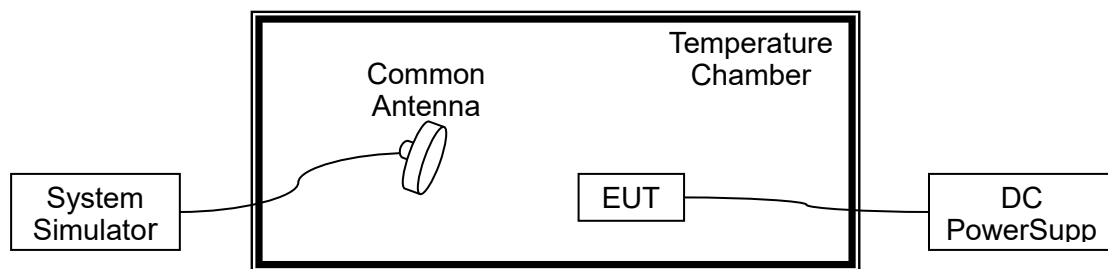
2.3.1. Requirement

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 0°C to 45°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, 4.4VDC and 3.65VDC, which are specified by the applicant; the normal temperature here used is 20°C.



NR 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	3.87	+20(Ref)	12	0.006	PASS
Normal		0	19	0.010	
Normal		+10	18	0.010	
Normal		+20	20	0.011	
Normal		+30	10	0.005	
Normal		+40	13	0.007	
Normal		+45	20	0.011	
High	4.45	+20	14	0.007	
BATT.ENDPOINT	3.65	+20	17	0.009	

NR 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	3.87	+20(Ref)	14	0.017	PASS
Normal		0	20	0.024	
Normal		+10	0	0.000	
Normal		+20	18	0.022	
Normal		+30	13	0.016	
Normal		+40	8	0.010	
Normal		+45	14	0.017	
High	4.45	+20	17	0.020	
BATT.ENDPOINT	3.65	+20	14	0.017	

NR n7, QPSK, Channel 507000, SCS 15kHz, Frequency 2535 MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	15	0.006	PASS
Normal		0	15	0.006	
Normal		+10	20	0.008	
Normal		+20	-6	-0.002	
Normal		+30	16	0.006	
Normal		+40	20	0.008	
Normal		+45	14	0.006	
High	4.45	+20	4	0.002	
BATT.ENDPOINT	3.65	+20	13	0.005	



NR n25, QPSK, Channel 376500, SCS 15kHz, Frequency 1882.5 MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	19	0.010	PASS
Normal		0	17	0.009	
Normal		+10	11	0.006	
Normal		+20	20	0.011	
Normal		+30	15	0.008	
Normal		+40	2	0.001	
Normal		+45	20	0.011	
High	4.45	+20	23	0.012	PASS
BATT.ENDPOINT	3.65	+20	0	0.000	

NR n26(814-824MHz), QPSK, Channel 163800, SCS 15kHz, Frequency 819 MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	-11	-0.013	PASS
Normal		0	14	0.017	
Normal		+10	-13	-0.016	
Normal		+20	-2	-0.002	
Normal		+30	13	0.016	
Normal		+40	13	0.016	
Normal		+45	1	0.001	
High	4.45	+20	13	0.016	PASS
BATT.ENDPOINT	3.65	+20	16	0.019	



NR n26(824-849MHz), QPSK, Channel 167300, SCS 15kHz, Frequency 836.5 MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	13	0.016	PASS
Normal		0	6	0.007	
Normal		+10	14	0.017	
Normal		+20	23	0.028	
Normal		+30	-18	-0.022	
Normal		+40	0	0.000	
Normal		+45	19	0.023	
High	4.45	+20	-16	-0.020	
BATT.ENDPOINT	3.65	+20	3	0.004	

NR n30, QPSK, Channel 462000, SCS 15kHz, Frequency 2310 MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	-3	-0.001	PASS
Normal		0	20	0.009	
Normal		+10	-2	-0.001	
Normal		+20	18	0.008	
Normal		+30	20	0.009	
Normal		+40	-18	-0.008	
Normal		+45	-4	-0.002	
High	4.45	+20	19	0.008	
BATT.ENDPOINT	3.65	+20	-22	-0.010	

NR n41, QPSK, Channel 518598, SCS 30kHz, Frequency 2593MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	-16	-0.006	PASS
Normal		0	-17	-0.007	
Normal		+10	16	0.006	
Normal		+20	-23	-0.009	
Normal		+30	-1	0.000	
Normal		+40	19	0.007	
Normal		+45	23	0.009	
High	4.45	+20	15	0.006	
BATT.ENDPOINT	3.65	+20	-20	-0.008	

NR n48, QPSK, Channel 641666, SCS 30kHz, Frequency 3624.99MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	-8	-0.002	PASS
Normal		0	20	0.006	



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Normal		+10	18	0.005	
Normal		+20	15	0.004	
Normal		+30	-15	-0.004	
Normal		+40	-1	0.000	
Normal		+45	16	0.004	
High	4.45	+20	19	0.005	
BATT.ENDPOINT	3.65	+20	3	0.001	

NR n66, QPSK, Channel 349000, SCS 15kHz, Frequency 1745MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	13	0.007	PASS
Normal		0	15	0.009	
Normal		+10	22	0.013	
Normal		+20	5	0.003	
Normal		+30	13	0.007	
Normal		+40	9	0.005	
Normal		+45	14	0.008	
High	4.45	+20	-23	-0.013	
BATT.ENDPOINT	3.65	+20	-12	-0.007	



NR 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	3.87	+20(Ref)	2	0.003	PASS
Normal		0	13	0.019	
Normal		+10	16	0.024	
Normal		+20	19	0.028	
Normal		+30	-14	-0.021	
Normal		+40	21	0.031	
Normal		+45	6	0.009	
High	4.45	+20	16	0.024	
BATT.ENDPOINT	3.65	+20	23	0.034	

NR n77(3700 MHz ~ 3980 MHz), QPSK, Channel 656000, SCS 30kHz, Frequency 3840MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.987	+20(Ref)	18	0.005	PASS
Normal		0	5	0.001	
Normal		+10	13	0.003	
Normal		+20	13	0.003	
Normal		+30	5	0.001	
Normal		+40	18	0.005	
Normal		+45	13	0.003	
High	4.45	+20	16	0.004	
BATT.ENDPOINT	3.65	+20	15	0.004	

NR n77 (3450 MHz ~ 3550 MHz), QPSK, Channel 633334, SCS 30kHz, Frequency 3550MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	-22	-0.006	PASS
Normal		0	-1	0.000	
Normal		+10	20	0.006	
Normal		+20	-18	-0.005	
Normal		+30	9	0.003	
Normal		+40	20	0.006	
Normal		+45	-12	-0.003	
High	4.45	+20	15	0.004	
BATT.ENDPOINT	3.65	+20	-4	-0.001	



NR n78(3700 MHz ~ 3800 MHz), QPSK, Channel 650000, SCS 30kHz, Frequency 3750MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.93	+20(Ref)	13	0.003	PASS
Normal		0	18	0.005	
Normal		+10	1	0.000	
Normal		+20	20	0.005	
Normal		+30	15	0.004	
Normal		+40	5	0.001	
Normal		+45	19	0.005	
High	4.53	+20	-12	-0.003	PASS
BATT.ENDPOINT	3.50	+20	13	0.003	

NR n78 (3450 MHz ~ 3550 MHz), QPSK, Channel 633334, SCS 30kHz, Frequency 3550MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	-5	-0.001	PASS
Normal		0	18	0.005	
Normal		+10	20	0.006	
Normal		+20	-13	-0.004	
Normal		+30	19	0.005	
Normal		+40	-15	-0.004	
Normal		+45	-23	-0.007	
High	4.45	+20	3	0.001	PASS
BATT.ENDPOINT	3.65	+20	16	0.005	

2.4. Peak to Average Ratio

2.4.1. Requirement

According to FCC section 24.232(d) for n2, n25, 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.

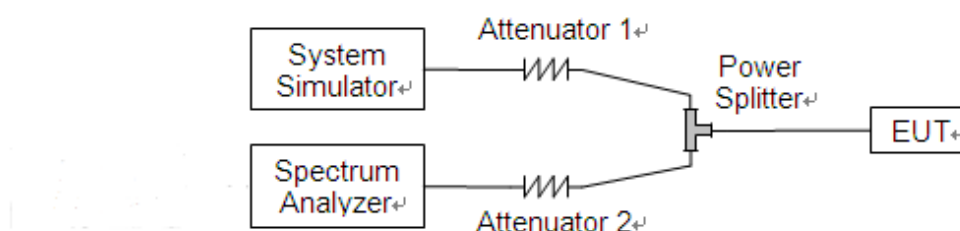
According to FCC section 96.41(g) for n48, the peak-to-average power ratio (PAPR) of any CBSD transmitter output power must not exceed 13 dB. PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities or another Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

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,n78, 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.

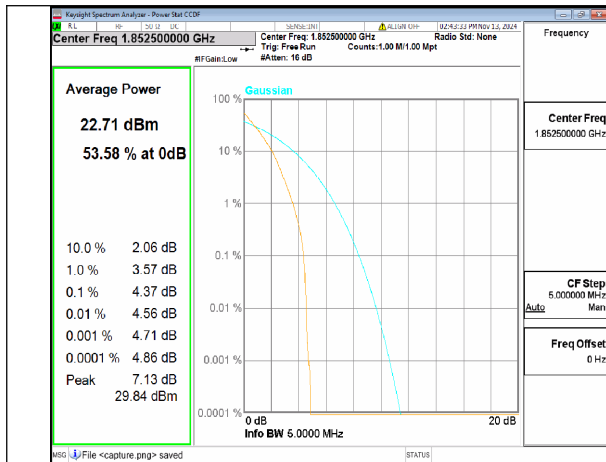
Band	SCS (kHz)	BW (MHz)	ARFCN	Modulation	RB	Result (dB)	Limit (dB)	Verdict
n2	15	5	370500	DFT-s-OFDM PI/2 BPSK	25/0	4.37	13	PASS
n2	15	5	370500	DFT-s-OFDM 256QAM	25/0	6.54	13	PASS
n2	15	5	370500	CP-OFDM QPSK	25/0	7.28	13	PASS
n2	15	5	370500	CP-OFDM 256QAM	25/0	8.55	13	PASS
n2	15	5	376000	DFT-s-OFDM PI/2 BPSK	25/0	4.12	13	PASS
n2	15	5	376000	DFT-s-OFDM 256QAM	25/0	6.59	13	PASS
n2	15	5	376000	CP-OFDM QPSK	25/0	7.1	13	PASS
n2	15	5	376000	CP-OFDM 256QAM	25/0	8.52	13	PASS
n2	15	5	381500	DFT-s-OFDM PI/2 BPSK	25/0	4.53	13	PASS
n2	15	5	381500	DFT-s-OFDM 256QAM	25/0	6.42	13	PASS
n2	15	5	381500	CP-OFDM QPSK	25/0	7.39	13	PASS
n2	15	5	381500	CP-OFDM 256QAM	25/0	8.46	13	PASS
n2	15	10	371000	DFT-s-OFDM PI/2 BPSK	50/0	4.42	13	PASS
n2	15	10	371000	DFT-s-OFDM 256QAM	50/0	6.7	13	PASS
n2	15	10	371000	CP-OFDM QPSK	52/0	7.28	13	PASS
n2	15	10	371000	CP-OFDM 256QAM	52/0	8.5	13	PASS



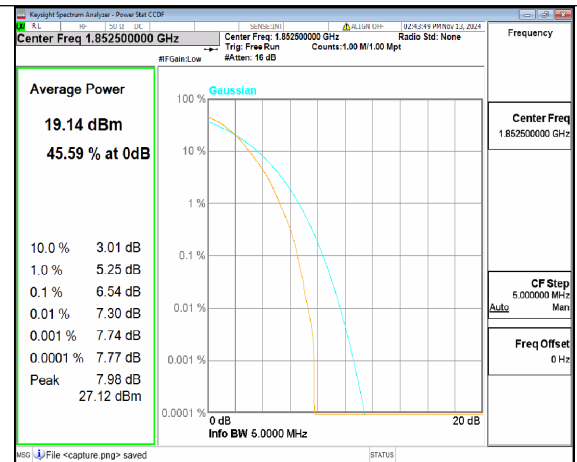
n2	15	10	376000	DFT-s-OFDM PI/2 BPSK	50/0	4.46	13	PASS
n2	15	10	376000	DFT-s-OFDM 256QAM	50/0	6.73	13	PASS
n2	15	10	376000	CP-OFDM QPSK	52/0	6.98	13	PASS
n2	15	10	376000	CP-OFDM 256QAM	52/0	8.67	13	PASS
n2	15	10	381000	DFT-s-OFDM PI/2 BPSK	50/0	4.25	13	PASS
n2	15	10	381000	DFT-s-OFDM 256QAM	50/0	6.8	13	PASS
n2	15	10	381000	CP-OFDM QPSK	52/0	7.6	13	PASS
n2	15	10	381000	CP-OFDM 256QAM	52/0	8.54	13	PASS
n2	15	15	371500	DFT-s-OFDM PI/2 BPSK	75/0	4.12	13	PASS
n2	15	15	371500	DFT-s-OFDM 256QAM	75/0	6.57	13	PASS
n2	15	15	371500	CP-OFDM QPSK	79/0	6.98	13	PASS
n2	15	15	371500	CP-OFDM 256QAM	79/0	8.16	13	PASS
n2	15	15	376000	DFT-s-OFDM PI/2 BPSK	75/0	4.04	13	PASS
n2	15	15	376000	DFT-s-OFDM 256QAM	75/0	6.6	13	PASS
n2	15	15	376000	CP-OFDM QPSK	79/0	6.92	13	PASS
n2	15	15	376000	CP-OFDM 256QAM	79/0	8.17	13	PASS
n2	15	15	380500	DFT-s-OFDM PI/2 BPSK	75/0	4	13	PASS
n2	15	15	380500	DFT-s-OFDM 256QAM	75/0	6.5	13	PASS
n2	15	15	380500	CP-OFDM QPSK	79/0	6.91	13	PASS
n2	15	15	380500	CP-OFDM 256QAM	79/0	8.22	13	PASS
n2	15	20	372000	DFT-s-OFDM PI/2 BPSK	100/0	4.18	13	PASS
n2	15	20	372000	DFT-s-OFDM 256QAM	100/0	6.68	13	PASS
n2	15	20	372000	CP-OFDM	106/0	6.97	13	PASS



				QPSK				
n2	15	20	372000	CP-OFDM 256QAM	106/0	8.32	13	PASS
n2	15	20	376000	DFT-s-OFDM PI/2 BPSK	100/0	4.15	13	PASS
n2	15	20	376000	DFT-s-OFDM 256QAM	100/0	6.56	13	PASS
n2	15	20	376000	CP-OFDM QPSK	106/0	6.95	13	PASS
n2	15	20	376000	CP-OFDM 256QAM	106/0	8.22	13	PASS
n2	15	20	380000	DFT-s-OFDM PI/2 BPSK	100/0	4.22	13	PASS
n2	15	20	380000	DFT-s-OFDM 256QAM	100/0	6.67	13	PASS
n2	15	20	380000	CP-OFDM QPSK	106/0	7.11	13	PASS
n2	15	20	380000	CP-OFDM 256QAM	106/0	8.3	13	PASS



n2 5M DFT-s-OFDM BPSK Outer_Full Low



n2 5M DFT-s-OFDM 256QAM Outer_Full Low