B26_N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH
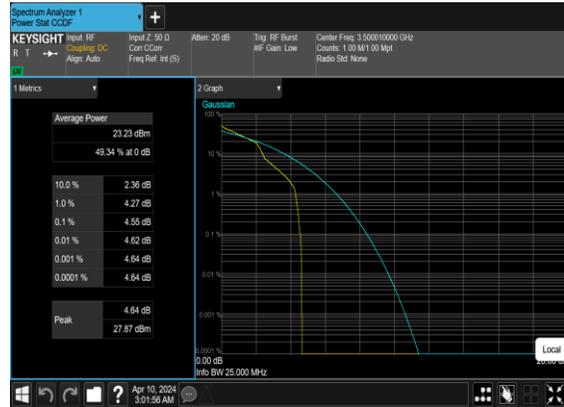

Spectrum Analyzer 1
Power Stat CCDF
KEYSIGHT
R T
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr
Freq Ref: Int (S)
Atten: 20 dB
Trig: RF Burst
#IF Gain: Low
Center Freq: 3.500010000 GHz
Counts: 1.00 M/1.00 Mpt
Radio Std: None

1 Metrics
2 Graph
Gaussian

Average Power	
	26.36 dBm
	48.71 % at 0 dB
10.0 %	1.96 dB
1.0 %	3.30 dB
0.1 %	3.76 dB
0.01 %	3.94 dB
0.001 %	4.05 dB
0.0001 %	4.09 dB
Peak	4.10 dB
	30.46 dBm

0.00 dB
Info BW 25.000 MHz
Local
Apr 10, 2024
3:00:38 AM

B26_N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH

Spectrum Analyzer 1
Power Stat CCDF
KEYSIGHT
R T
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr
Freq Ref: Int (S)
Atten: 20 dB
Trig: RF Burst
#IF Gain: Low
Center Freq: 3.500010000 GHz
Counts: 1.00 M/1.00 Mpt
Radio Std: None

1 Metrics
2 Graph
Gaussian

Average Power	
	23.21 dBm
	49.42 % at 0 dB
10.0 %	2.21 dB
1.0 %	3.24 dB
0.1 %	3.76 dB
0.01 %	3.83 dB
0.001 %	3.88 dB
0.0001 %	3.89 dB
Peak	3.89 dB
	27.10 dBm

0.00 dB
Info BW 25.000 MHz
Local
Apr 10, 2024
3:01:04 AM

B26_N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

Spectrum Analyzer 1
Power Stat CCDF
KEYSIGHT
R T
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr
Freq Ref: Int (S)
Atten: 20 dB
Trig: RF Burst
#IF Gain: Low
Center Freq: 3.500010000 GHz
Counts: 1.00 M/1.00 Mpt
Radio Std: None

1 Metrics
2 Graph
Gaussian

Average Power	
	25.86 dBm
	48.86 % at 0 dB
10.0 %	2.39 dB
1.0 %	4.02 dB
0.1 %	4.37 dB
0.01 %	4.51 dB
0.001 %	4.58 dB
0.0001 %	4.70 dB
Peak	4.70 dB
	30.56 dBm

0.00 dB
Info BW 25.000 MHz
Local
Apr 10, 2024
3:01:31 AM

B26_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

Spectrum Analyzer 1
Power Stat CCDF
KEYSIGHT
R T
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr
Freq Ref: Int (S)
Atten: 20 dB
Trig: RF Burst
#IF Gain: Low
Center Freq: 3.500010000 GHz
Counts: 1.00 M/1.00 Mpt
Radio Std: None

1 Metrics
2 Graph
Gaussian

Average Power	
	23.23 dBm
	49.34 % at 0 dB
10.0 %	2.36 dB
1.0 %	4.27 dB
0.1 %	4.55 dB
0.01 %	4.62 dB
0.001 %	4.64 dB
0.0001 %	4.64 dB
Peak	4.64 dB
	27.87 dBm

0.00 dB
Info BW 25.000 MHz
Local
Apr 10, 2024
3:01:56 AM

Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
78	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.221	19.52
78	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.194	19.18
78	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.209	19.47
78	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.181	19.26
78	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.883	29.02
78	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.869	29.3
78	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.829	28.92
78	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.848	29.39
78	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.84	39.24
78	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.858	39.19
78	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.812	39.44
78	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.983	39.81
78	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.433	49.11
78	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.491	49.07
78	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.387	49.27
78	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.523	49.17
78	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.873	59.68
78	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.961	59.87
78	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.787	59.67
78	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.777	59.74
78	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.53	69.68
78	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.587	69.87
78	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.433	69.66
78	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.415	69.68
78	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.595	80.1
78	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.678	79.99

78	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.677	79.96
78	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.334	79.85
78	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.469	90.24
78	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.683	90.53
78	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.447	90.45
78	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.339	90.09
78	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.564	100.5
78	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.665	100.6
78	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.492	100.6
78	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.351	100.5
78	30	10	633334	3500.01	CP-OFDM QPSK	24@0	8.5877	9.566
78	30	10	633334	3500.01	CP-OFDM 16 QAM	24@0	8.5718	9.406
78	30	10	633334	3500.01	CP-OFDM 64 QAM	24@0	8.5579	9.412
78	30	10	633334	3500.01	CP-OFDM 256 QAM	24@0	8.5731	9.297
78	30	15	633334	3500.01	CP-OFDM QPSK	38@0	13.539	14.83
78	30	15	633334	3500.01	CP-OFDM 16 QAM	38@0	13.571	14.38
78	30	15	633334	3500.01	CP-OFDM 64 QAM	38@0	13.604	14.67
78	30	15	633334	3500.01	CP-OFDM 256 QAM	38@0	13.545	14.51
78	30	25	633334	3500.01	CP-OFDM QPSK	65@0	23.203	24.39
78	30	25	633334	3500.01	CP-OFDM 16 QAM	65@0	23.206	24.39
78	30	25	633334	3500.01	CP-OFDM 64 QAM	65@0	23.23	24.38
78	30	25	633334	3500.01	CP-OFDM 256 QAM	65@0	23.265	24.69

B26_N78(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH
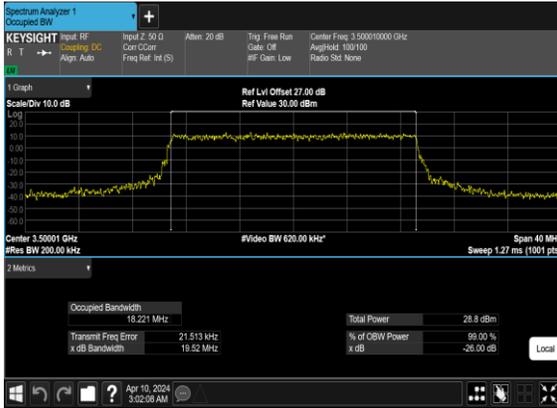
B26_N78(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B26_N78(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B26_N78(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

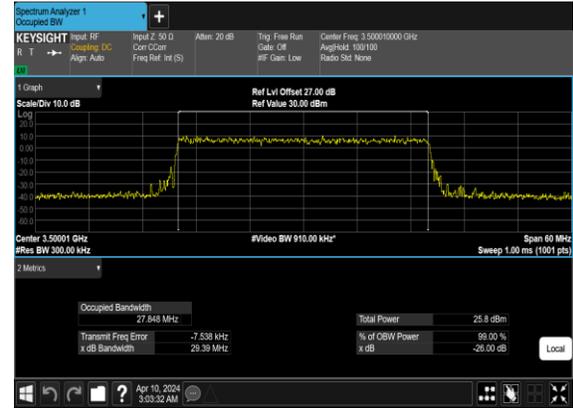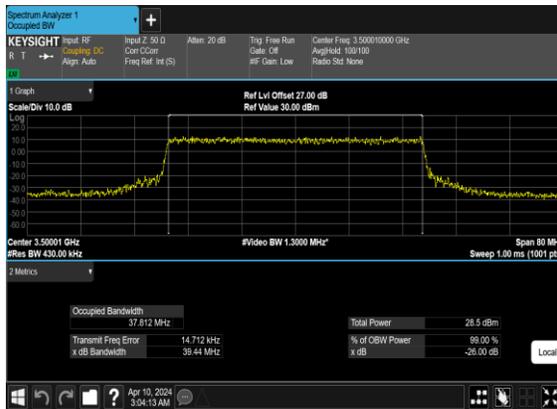## B26_N78(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH
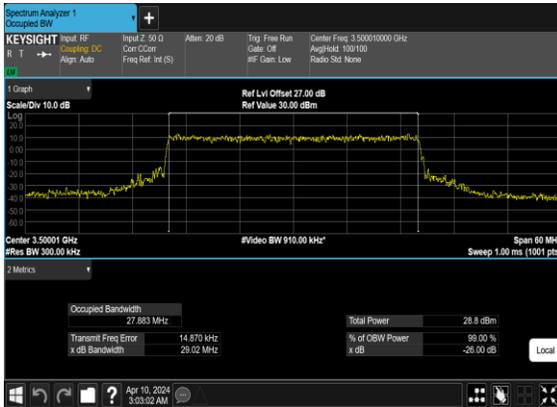
B26_N78(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B26_N78(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B26_N78(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH
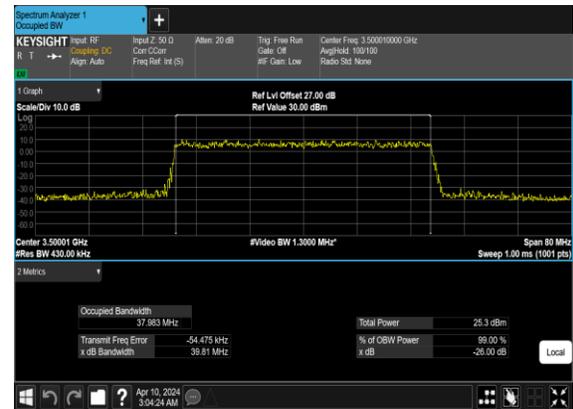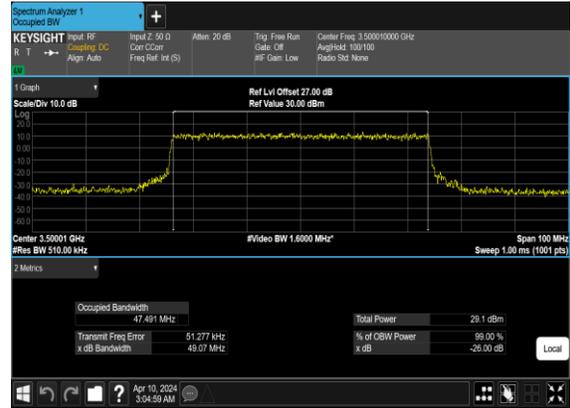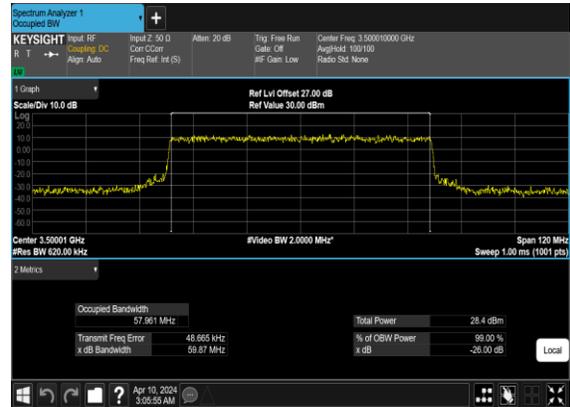

B26_N78(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

B26_N78(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B26_N78(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B26_N78(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

B26_N78(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

B26_N78(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B26_N78(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH
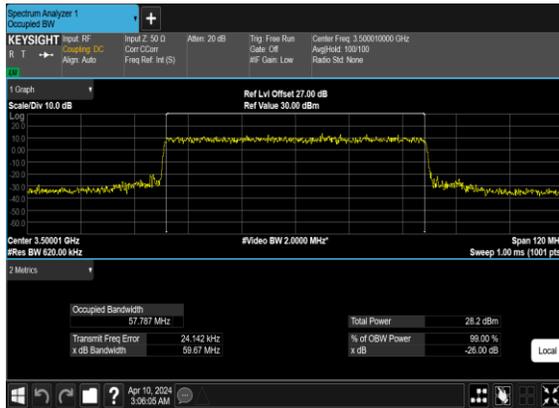

B26_N78(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

B26_N78(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH
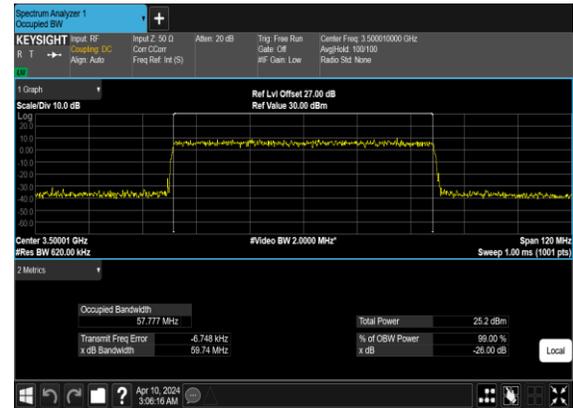

B26_N78(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B26_N78(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B26_N78(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

B26_N78(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

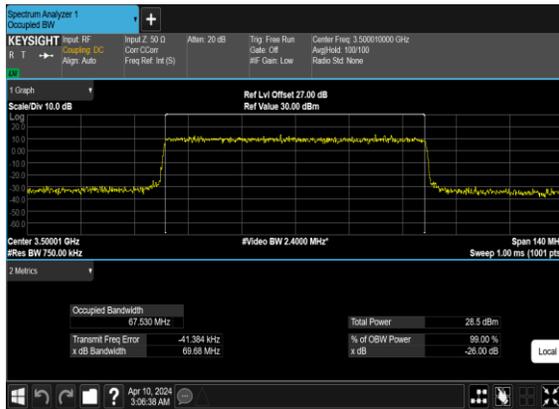## B26_N78(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B26_N78(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B26_N78(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

B26_N78(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

B26_N78(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B26_N78(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH
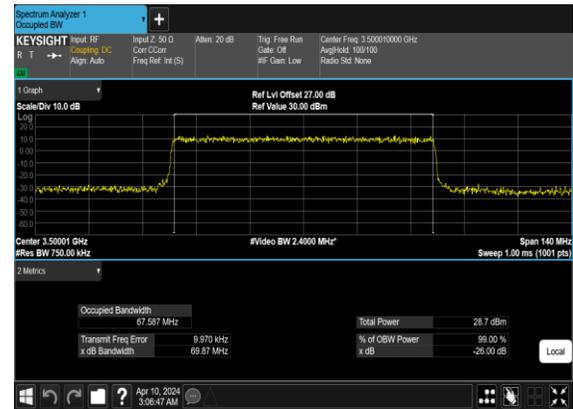

B26_N78(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

B26_N78(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

B26_N78(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B26_N78(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B26_N78(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

B26_N78(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

B26_N78(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B26_N78(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH
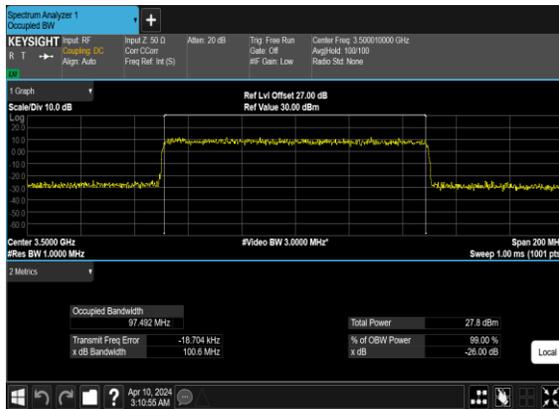
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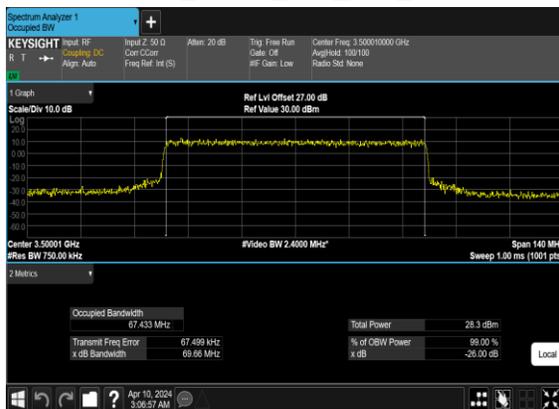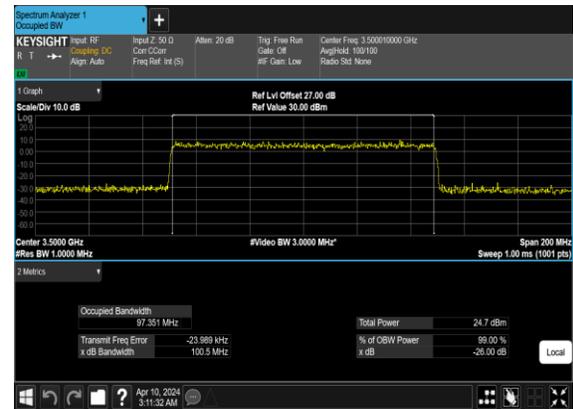
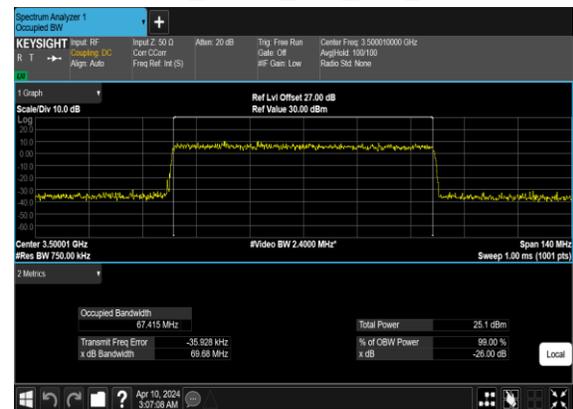## B26_N78(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

B26_N78(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B26_N78(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B26_N78(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

B26_N78(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

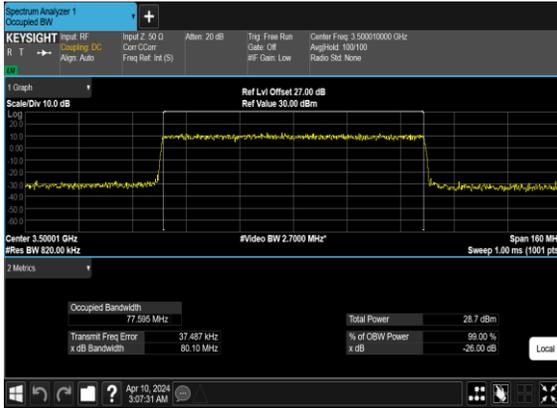## B26_N78(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH
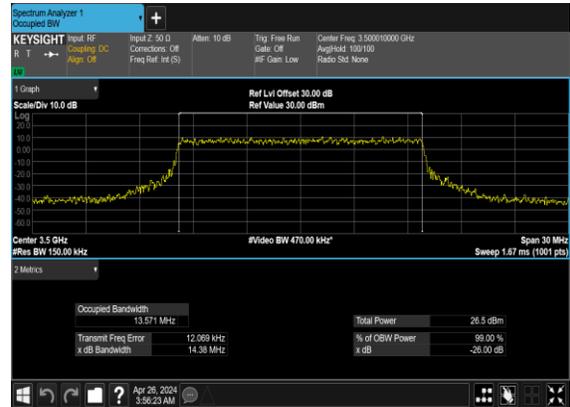
B26_N78(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

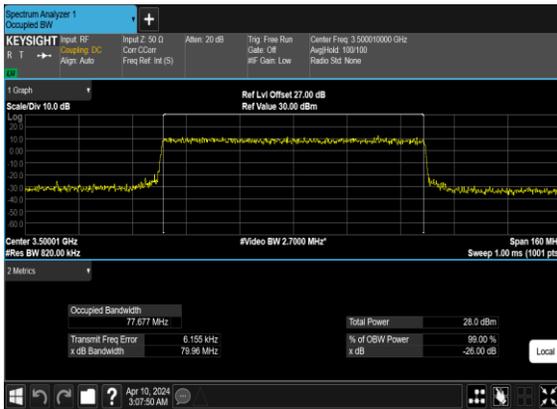## B26_N78(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

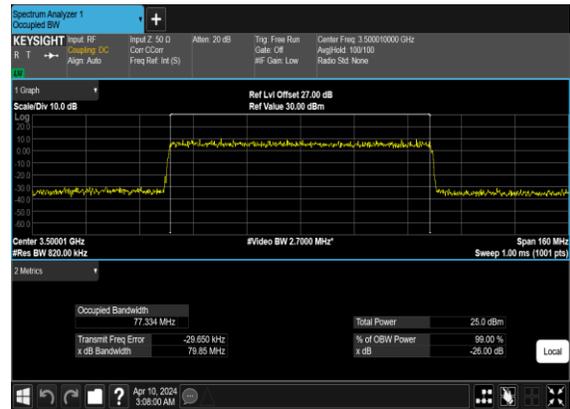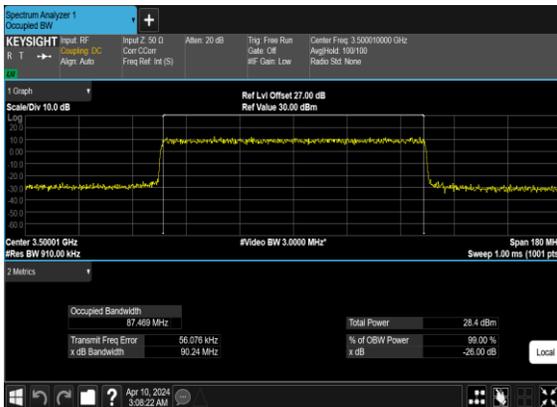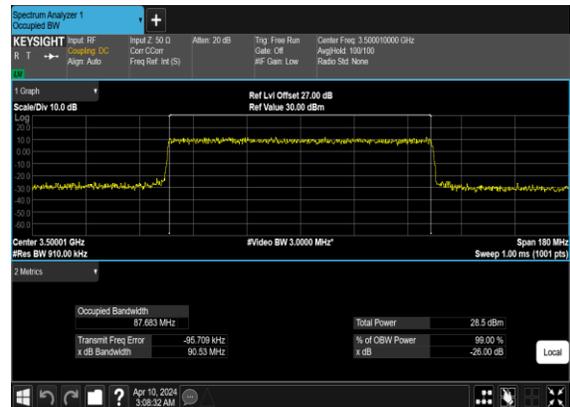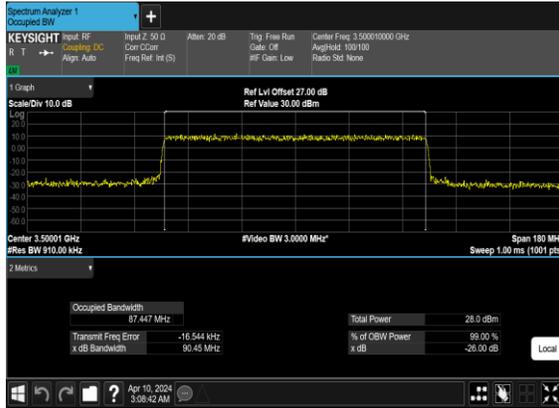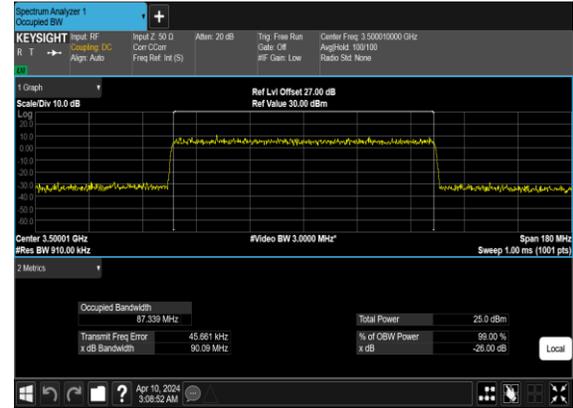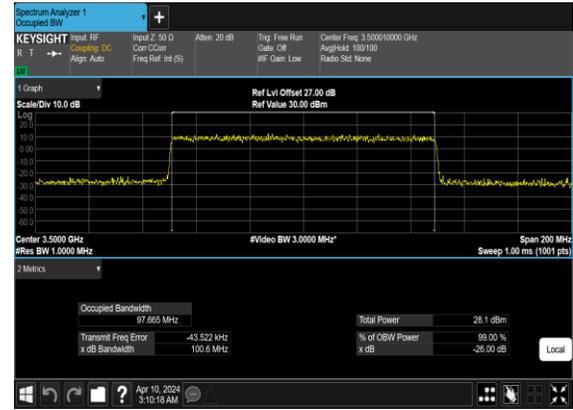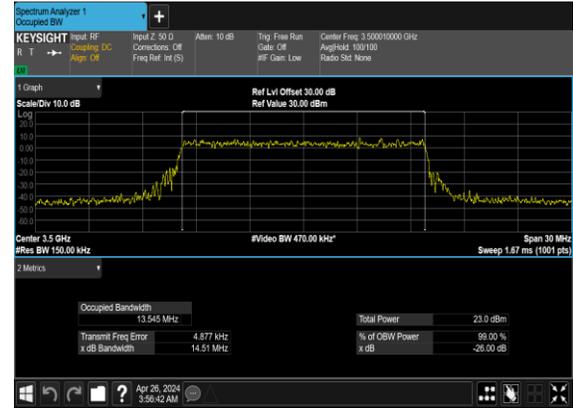## B26_N78(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

B26_N78(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B26_N78(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH
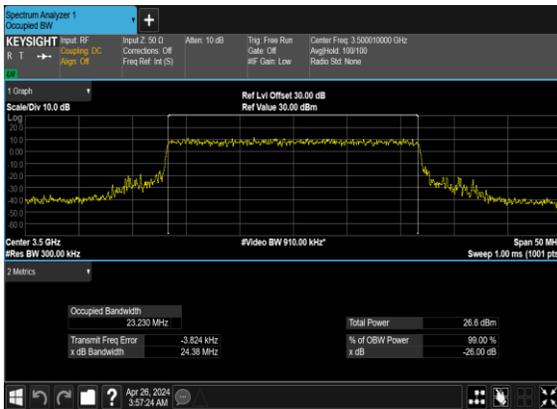
B26_N78(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH
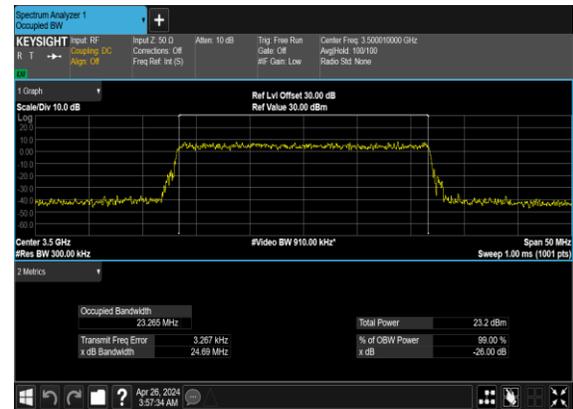
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	60	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS

78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	PASS

B26_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

B26_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

B26_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

B26_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

B26_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

B26_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

B26_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

B26_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

B26_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

B26_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

B26_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

B26_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

B26_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

B26_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

B26_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

B26_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

B26_N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

B26_N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

B26_N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

B26_N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

B26_N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

B26_N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

B26_N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

B26_N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

B26_N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

B26_N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

B26_N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

B26_N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

Conducted Band Edge

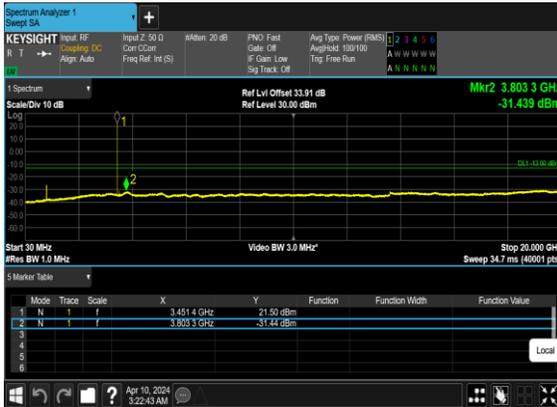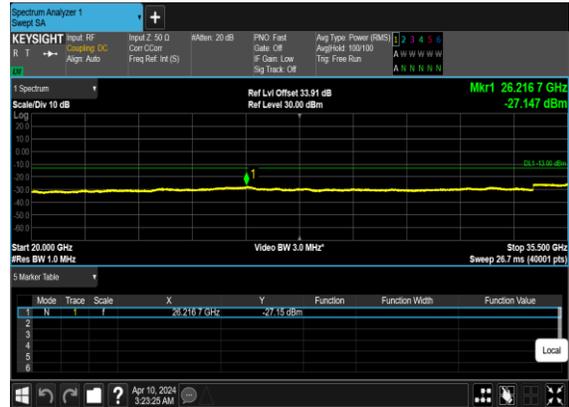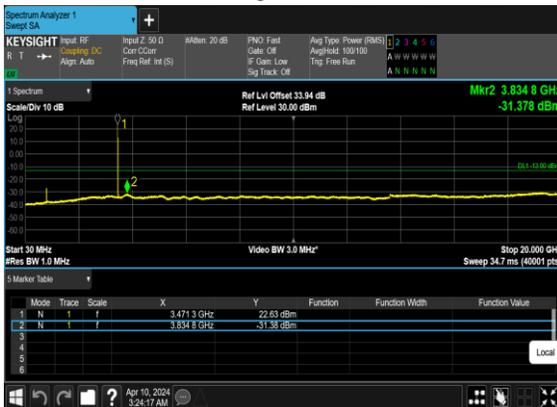| NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@161	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@161	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	see graph	PASS
78	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	10	630334	3455.01	DFT-s-OFDM BPSK	24@0	see graph	PASS
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	see graph	PASS
78	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@23	see graph	PASS
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@23	see graph	PASS
78	30	10	636332	3544.98	DFT-s-OFDM BPSK	24@0	see graph	PASS
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@0	see graph	PASS

B26_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

B26_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

B26_N78(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

B26_N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

B26_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

B26_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH
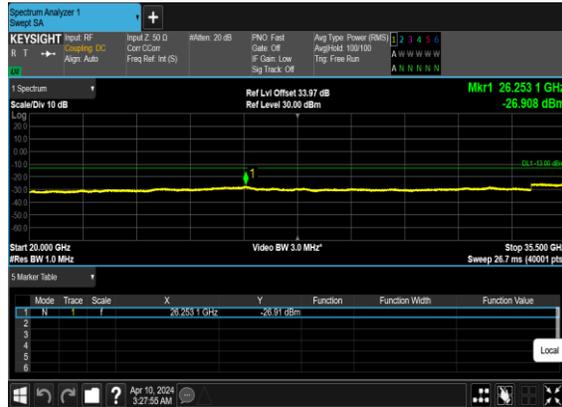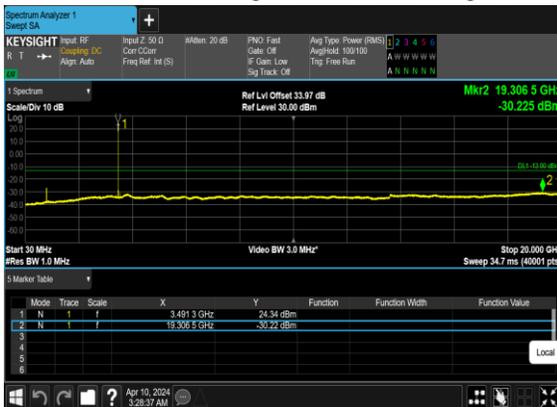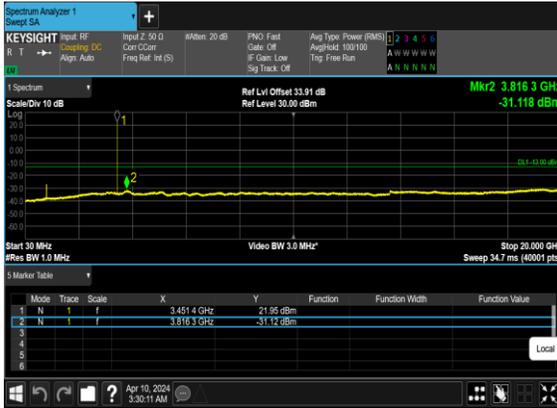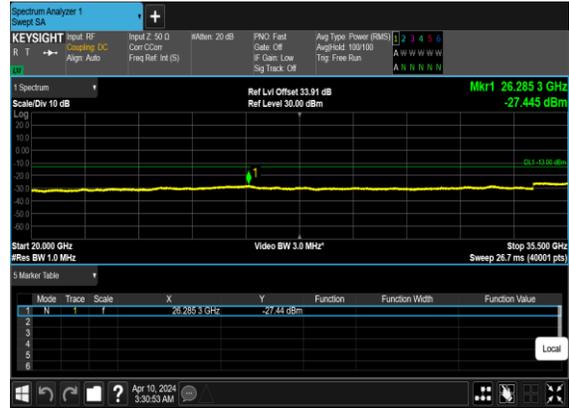
B26_N78(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF Input Z: 50 Ω Atten: 20 dB Trig: Free Run Center Freq: 22.005000000 GHz
R T Coupling: DC Corr CCorr Gate: Off AvgHold: 100/100
Align: Auto Freq Ref: Int (S) IF Gain: Low Radio Std: None
PASS

3 All Range Graph
Ref Lvl Offset 33.95 dB
Ref Value 30.00 dBm
Scale/Div 10.0 dB
Log

Start 3.450 GHz Stop 3.600 GHz

4 All Range Table
Measure Trace / Trace Type Trace 1 Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.4500 GHz	3.5500 GHz	100.0 kHz	3.499000000 GHz	-2.838 dBm	-32.84 dB
2	2	3.5500 GHz	3.5510 GHz	200.0 kHz	3.550046667 GHz	-29.29 dBm	-16.29 dB
3	3	3.5510 GHz	3.5550 GHz	510.0 kHz	3.551086667 GHz	-30.34 dBm	-17.34 dB
4	4	3.5550 GHz	3.6000 GHz	1.000 MHz	3.555000000 GHz	-33.08 dBm	-20.08 dB

Apr 10, 2024 3:41:09 AM

B26_N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF Input Z: 50 Ω Atten: 20 dB Trig: Free Run Center Freq: 22.005000000 GHz
R T Coupling: DC Corr CCorr Gate: Off AvgHold: 100/100
Align: Auto Freq Ref: Int (S) IF Gain: Low Radio Std: None
PASS

3 All Range Graph
Ref Lvl Offset 33.98 dB
Ref Value 30.00 dBm
Scale/Div 10.0 dB
Log

Start 3.450 GHz Stop 3.600 GHz

4 All Range Table
Measure Trace / Trace Type Trace 1 Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.4500 GHz	3.5500 GHz	100.0 kHz	3.527833333 GHz	-3.491 dBm	-33.49 dB
2	2	3.5500 GHz	3.5510 GHz	200.0 kHz	3.550046667 GHz	-28.30 dBm	-15.30 dB
3	3	3.5510 GHz	3.5550 GHz	510.0 kHz	3.551533333 GHz	-31.58 dBm	-18.58 dB
4	4	3.5550 GHz	3.6000 GHz	1.000 MHz	3.596925000 GHz	-31.29 dBm	-18.29 dB

Apr 10, 2024 3:41:38 AM

B26_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF Input Z: 50 Ω Atten: 20 dB Trig: Free Run Center Freq: 22.005000000 GHz
R T Coupling: DC Corr CCorr Gate: Off AvgHold: 100/100
Align: Auto Freq Ref: Int (S) IF Gain: Low Radio Std: None
PASS

3 All Range Graph
Ref Lvl Offset 33.97 dB
Ref Value 30.00 dBm
Scale/Div 10.0 dB

Start 3.400 GHz Stop 3.600 GHz

4 All Range Table
Measure Trace / Trace Type Trace 1 Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.4000 GHz	3.4450 GHz	1.000 MHz	3.443575000 GHz	-36.29 dBm	-23.29 dB
2	2	3.4450 GHz	3.4490 GHz	510.0 kHz	3.448886667 GHz	-35.71 dBm	-22.71 dB
3	3	3.4490 GHz	3.4500 GHz	200.0 kHz	3.449053333 GHz	-21.23 dBm	-8.232 dB
4	4	3.4500 GHz	3.5500 GHz	100.0 kHz	3.451000000 GHz	16.12 dBm	-13.88 dB
5	5	3.5500 GHz	3.5510 GHz	200.0 kHz	3.550058000 GHz	-30.50 dBm	-30.50 dB
6	6	3.5510 GHz	3.5550 GHz	510.0 kHz	3.554253333 GHz	-40.09 dBm	-27.09 dB
7	7	3.5550 GHz	3.6000 GHz	1.000 MHz	3.599625000 GHz	-37.28 dBm	-24.28 dB

Apr 10, 2024 3:42:22 AM

B26_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF Input Z: 50 Ω Atten: 20 dB Trig: Free Run Center Freq: 22.005000000 GHz
R T Coupling: DC Corr CCorr Gate: Off AvgHold: 100/100
Align: Auto Freq Ref: Int (S) IF Gain: Low Radio Std: None
PASS

3 All Range Graph
Ref Lvl Offset 33.97 dB
Ref Value 30.00 dBm
Scale/Div 10.0 dB

Start 3.400 GHz Stop 3.600 GHz

4 All Range Table
Measure Trace / Trace Type Trace 1 Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.4000 GHz	3.4450 GHz	1.000 MHz	3.443425000 GHz	-36.89 dBm	-23.89 dB
2	2	3.4450 GHz	3.4490 GHz	510.0 kHz	3.448940000 GHz	-31.23 dBm	-18.23 dB
3	3	3.4490 GHz	3.4500 GHz	200.0 kHz	3.449560667 GHz	-16.63 dBm	-3.628 dB
4	4	3.4500 GHz	3.5500 GHz	100.0 kHz	3.451000000 GHz	14.06 dBm	-15.94 dB
5	5	3.5500 GHz	3.5510 GHz	200.0 kHz	3.550073333 GHz	-43.58 dBm	-30.58 dB
6	6	3.5510 GHz	3.5550 GHz	510.0 kHz	3.554886667 GHz	-40.36 dBm	-27.36 dB
7	7	3.5550 GHz	3.6000 GHz	1.000 MHz	3.588600000 GHz	-37.45 dBm	-24.45 dB

Apr 10, 2024 3:42:56 AM

B26_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF Input Z: 50 Ω Atten: 20 dB Trig: Free Run Center Freq: 22.005000000 GHz
R T Coupling: DC Corr CCorr Gate: Off AvgHold: 100/100
Align: Auto Freq Ref: Int (S) IF Gain: Low Radio Std: None
PASS

3 All Range Graph
Ref Lvl Offset 33.93 dB
Ref Value 30.00 dBm
Scale/Div 10.0 dB

Start 3.400 GHz Stop 3.600 GHz

4 All Range Table
Measure Trace / Trace Type Trace 1 Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.4000 GHz	3.4450 GHz	1.000 MHz	3.405555000 GHz	-37.73 dBm	-24.73 dB
2	2	3.4450 GHz	3.4490 GHz	510.0 kHz	3.448820000 GHz	-27.57 dBm	-27.57 dB
3	3	3.4490 GHz	3.4500 GHz	200.0 kHz	3.449028333 GHz	-43.75 dBm	-30.75 dB
4	4	3.4500 GHz	3.5500 GHz	100.0 kHz	3.548033333 GHz	15.29 dBm	-14.71 dB
5	5	3.5500 GHz	3.5510 GHz	200.0 kHz	3.550006667 GHz	-14.35 dBm	-1.355 dB
6	6	3.5510 GHz	3.5550 GHz	510.0 kHz	3.551006667 GHz	-34.16 dBm	-21.16 dB
7	7	3.5550 GHz	3.6000 GHz	1.000 MHz	3.556275000 GHz	-36.03 dBm	-23.03 dB

Apr 10, 2024 3:43:29 AM

B26_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF Input Z: 50 Ω Atten: 20 dB Trig: Free Run Center Freq: 22.005000000 GHz
R T Coupling: DC Corr CCorr Gate: Off AvgHold: 100/100
Align: Auto Freq Ref: Int (S) IF Gain: Low Radio Std: None
PASS

3 All Range Graph
Ref Lvl Offset 33.97 dB
Ref Value 30.00 dBm
Scale/Div 10.0 dB

Start 3.400 GHz Stop 3.600 GHz

4 All Range Table
Measure Trace / Trace Type Trace 1 Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.4000 GHz	3.4450 GHz	1.000 MHz	3.401800000 GHz	-37.63 dBm	-24.63 dB
2	2	3.4450 GHz	3.4490 GHz	510.0 kHz	3.448413333 GHz	-40.12 dBm	-27.12 dB
3	3	3.4490 GHz	3.4500 GHz	200.0 kHz	3.449656667 GHz	-43.51 dBm	-30.51 dB
4	4	3.4500 GHz	3.5500 GHz	100.0 kHz	3.548033333 GHz	14.91 dBm	-15.09 dB
5	5	3.5500 GHz	3.5510 GHz	200.0 kHz	3.550018333 GHz	-18.63 dBm	-5.629 dB
6	6	3.5510 GHz	3.5550 GHz	510.0 kHz	3.551146667 GHz	-33.44 dBm	-20.44 dB
7	7	3.5550 GHz	3.6000 GHz	1.000 MHz	3.556500000 GHz	-36.11 dBm	-23.11 dB

Apr 10, 2024 3:44:02 AM

B26_N78(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH

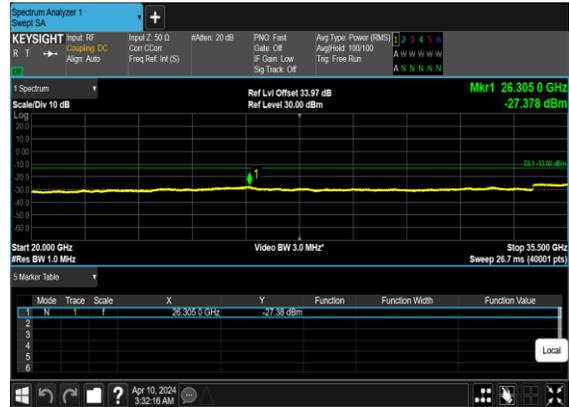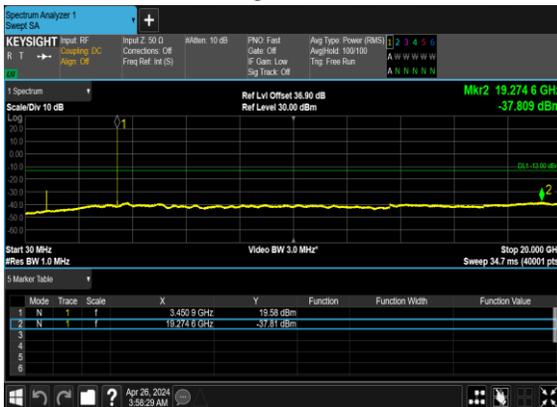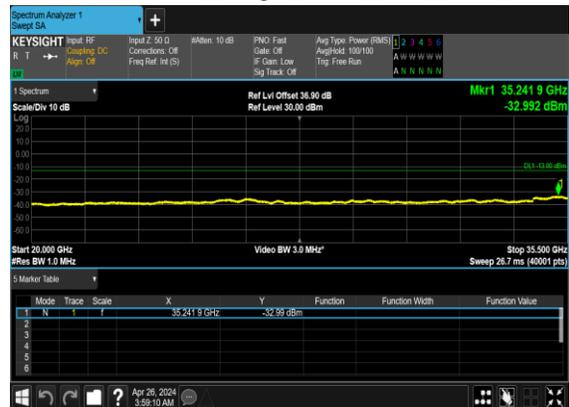## B26_N78(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH
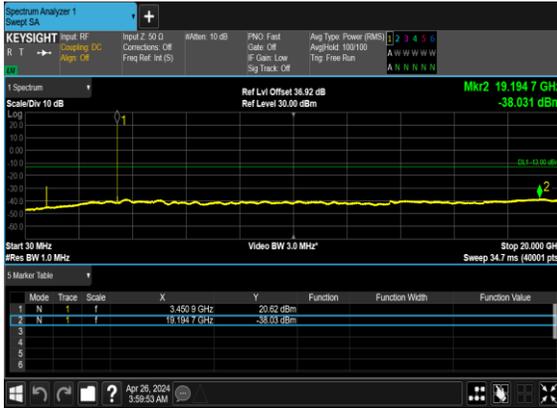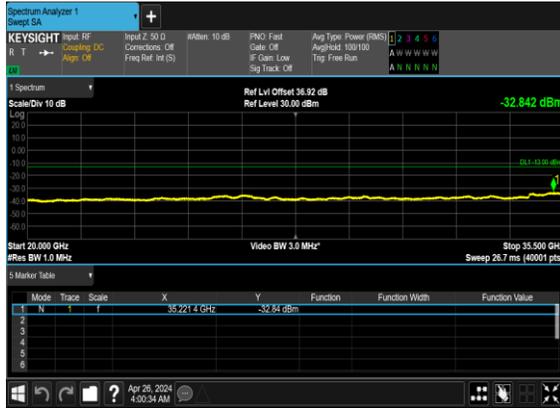

B26_N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

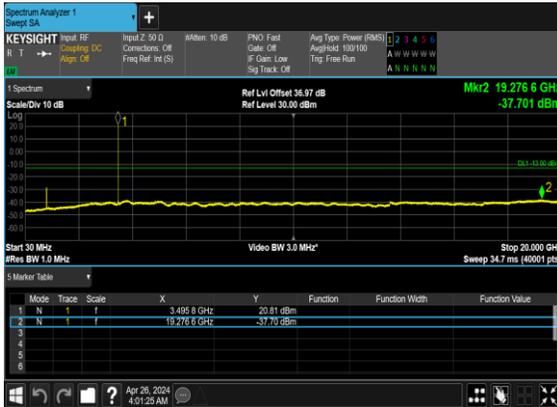## B26_N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH
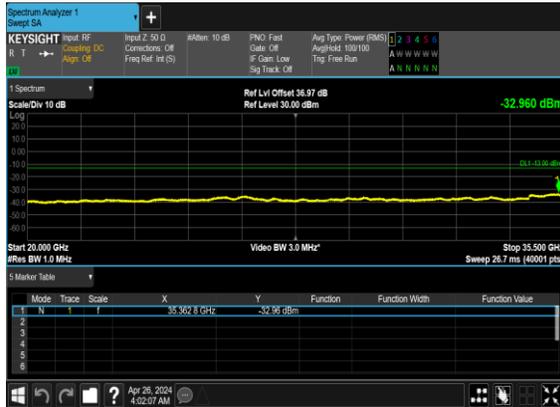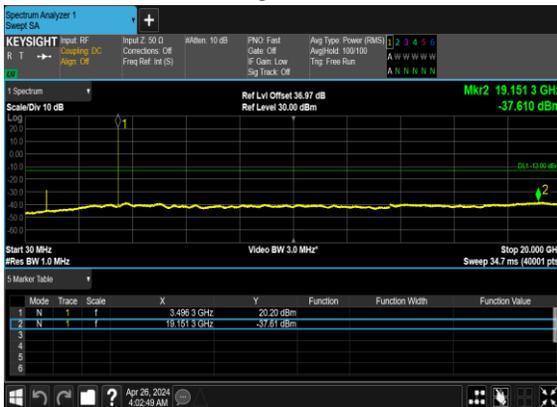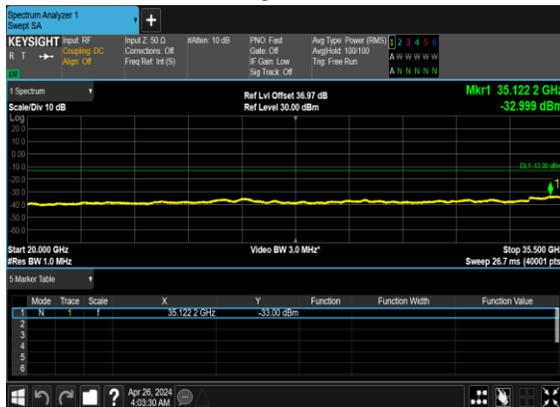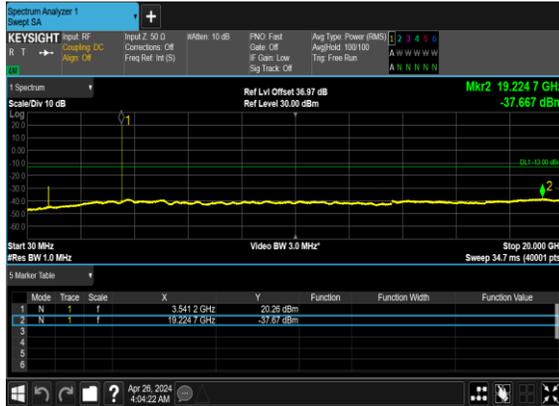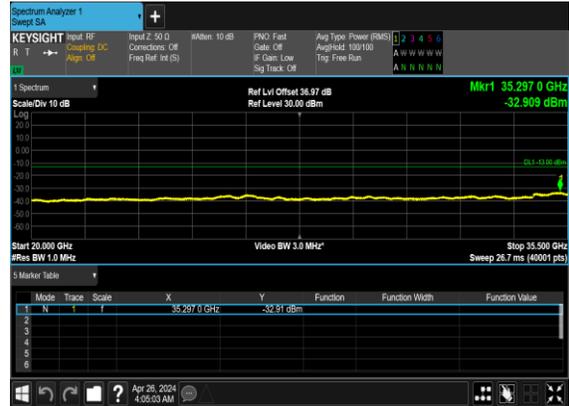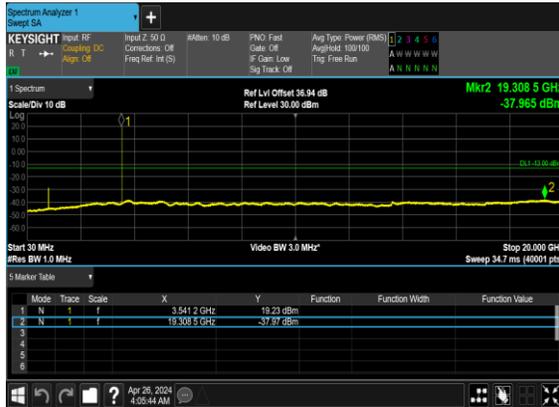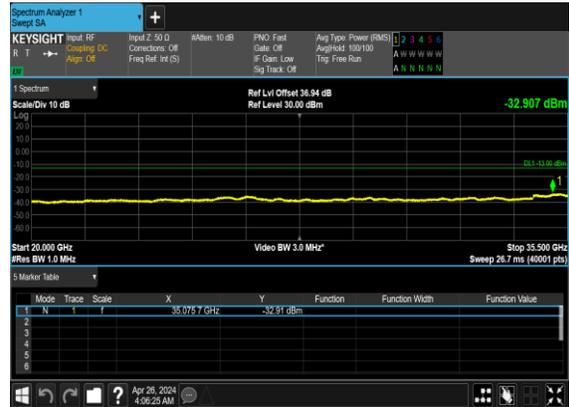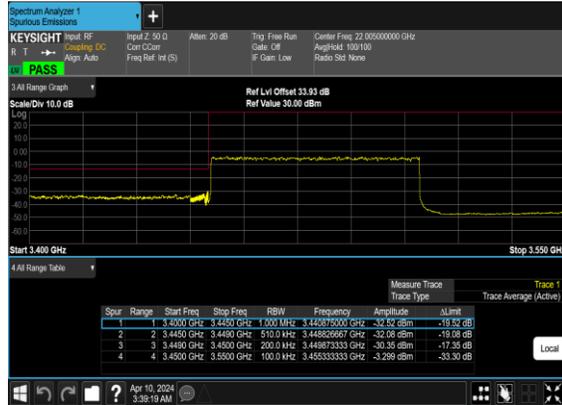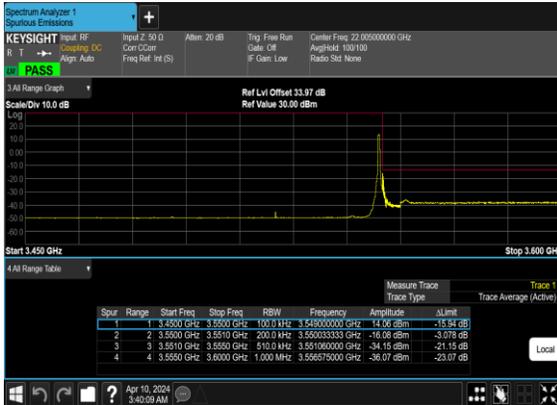

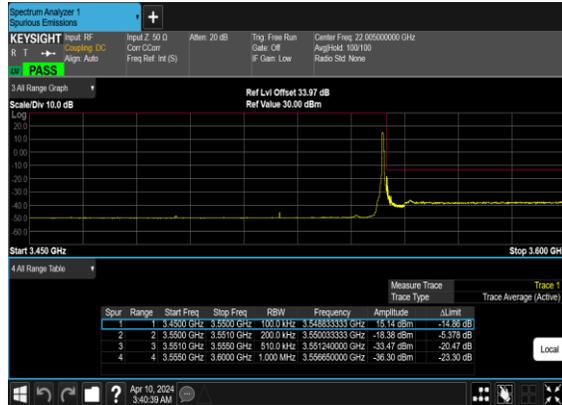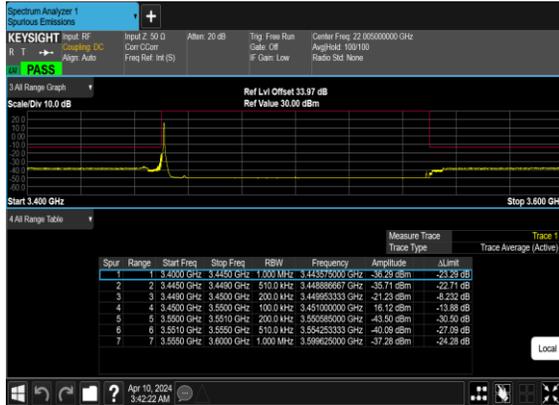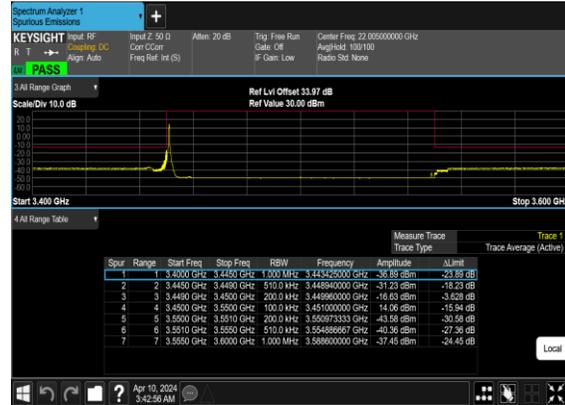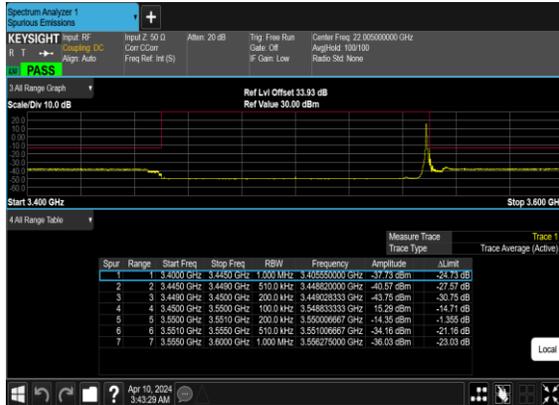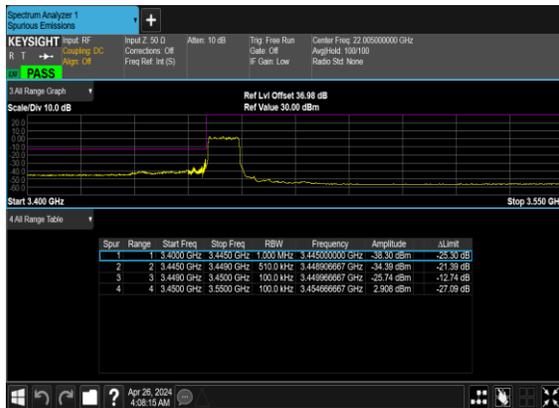## B26_N78(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

B26_N78(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

B26_N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF Input Z: 50 Ω Atten: 10 dB Trig: Free Run Center Freq: 22.005000000 GHz
R T Coupling: DC Corrections: Off Gate: Off AvgHold: 100/100
Align: Off Freq Ref: Int (S) IF Gain: Low Radio Std: None
PASS

3 All Range Graph
Scale/Div 10.0 dB
Ref Lvl Offset 36.91 dB
Ref Value 30.00 dBm

Start 3.450 GHz   Stop 3.600 GHz

4 All Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.4500 GHz	3.5500 GHz	100.0 kHz	3.549000000 GHz	12.43 dBm	-17.57 dB
2	2	3.5500 GHz	3.5510 GHz	100.0 kHz	3.550031667 GHz	-22.51 dBm	-9.515 dB
3	3	3.5510 GHz	3.5550 GHz	510.0 kHz	3.551100000 GHz	-31.09 dBm	-18.09 dB
4	4	3.5550 GHz	3.6000 GHz	1.000 MHz	3.556200000 GHz	-40.50 dBm	-27.50 dB

Apr 26, 2024
4:09:36 AM

B26_N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF Input Z: 50 Ω Atten: 10 dB Trig: Free Run Center Freq: 22.005000000 GHz
R T Coupling: DC Corrections: Off Gate: Off AvgHold: 100/100
Align: Off Freq Ref: Int (S) IF Gain: Low Radio Std: None
PASS

3 All Range Graph
Scale/Div 10.0 dB
Ref Lvl Offset 36.93 dB
Ref Value 30.00 dBm

Start 3.450 GHz   Stop 3.600 GHz

4 All Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.4500 GHz	3.5500 GHz	100.0 kHz	3.549000000 GHz	14.15 dBm	-15.85 dB
2	2	3.5500 GHz	3.5510 GHz	100.0 kHz	3.550005000 GHz	-21.91 dBm	-8.915 dB
3	3	3.5510 GHz	3.5550 GHz	510.0 kHz	3.551080000 GHz	-33.95 dBm	-20.95 dB
4	4	3.5550 GHz	3.6000 GHz	1.000 MHz	3.556725000 GHz	-40.19 dBm	-27.19 dB

Apr 26, 2024
4:10:06 AM

B26_N78(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF Input Z: 50 Ω Atten: 10 dB Trig: Free Run Center Freq: 22.005000000 GHz
R T Coupling: DC Corrections: Off Gate: Off AvgHold: 100/100
Align: Off Freq Ref: Int (S) IF Gain: Low Radio Std: None
PASS

3 All Range Graph
Scale/Div 10.0 dB
Ref Lvl Offset 36.96 dB
Ref Value 30.00 dBm

Start 3.450 GHz   Stop 3.600 GHz

4 All Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.4500 GHz	3.5500 GHz	100.0 kHz	3.544000000 GHz	3.501 dBm	-26.50 dB
2	2	3.5500 GHz	3.5510 GHz	100.0 kHz	3.550003333 GHz	-22.84 dBm	-9.839 dB
3	3	3.5510 GHz	3.5550 GHz	510.0 kHz	3.553286667 GHz	-29.02 dBm	-16.02 dB
4	4	3.5550 GHz	3.6000 GHz	1.000 MHz	3.555150000 GHz	-27.91 dBm	-14.91 dB

Apr 26, 2024
4:10:36 AM

B26_N78(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF Input Z: 50 Ω Atten: 10 dB Trig: Free Run Center Freq: 22.005000000 GHz
R T Coupling: DC Corrections: Off Gate: Off AvgHold: 100/100
Align: Off Freq Ref: Int (S) IF Gain: Low Radio Std: None
PASS

3 All Range Graph
Scale/Div 10.0 dB
Ref Lvl Offset 36.96 dB
Ref Value 30.00 dBm

Start 3.450 GHz   Stop 3.600 GHz

4 All Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.4500 GHz	3.5500 GHz	100.0 kHz	3.545166667 GHz	3.401 dBm	-26.60 dB
2	2	3.5500 GHz	3.5510 GHz	100.0 kHz	3.550006667 GHz	-25.42 dBm	-12.42 dB
3	3	3.5510 GHz	3.5550 GHz	510.0 kHz	3.551533333 GHz	-32.81 dBm	-19.81 dB
4	4	3.5550 GHz	3.6000 GHz	1.000 MHz	3.557400000 GHz	-33.84 dBm	-20.84 dB

Apr 26, 2024
4:11:04 AM

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Note: Pre-scanned harmonic for the different antennas and open/close status, we choose the worst antenna mode to perform final test and record in the report.

				n77 SA / NR 100MHz / QPSK(ANT7) Open				
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-64.01	-13	-51.01	-74.22	3.03	13.24	H
	10368	-61.68	-13	-48.68	-71.13	3.56	13.01	H
	13824	-61.40	-13	-48.40	-70.92	3.92	13.44	H
	6912	-64.13	-13	-51.13	-74.34	3.03	13.24	V
	10368	-62.10	-13	-49.10	-71.55	3.56	13.01	V
	13824	-61.91	-13	-48.91	-71.43	3.92	13.44	V

				EN-DC_2A_n78A / LTE 10MHz + NR 100MHz / QPSK(5+7) Open				
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-64.21	-13	-51.21	-74.42	3.03	13.24	H
	10368	-61.40	-13	-48.40	-70.85	3.56	13.01	H
	13824	-61.51	-13	-48.51	-71.03	3.92	13.44	H
	6912	-64.27	-13	-51.27	-74.48	3.03	13.24	V
	10368	-61.73	-13	-48.73	-71.18	3.56	13.01	V
	13824	-61.24	-13	-48.24	-70.76	3.92	13.44	V

				EN-DC_5A_n78A / LTE 10MHz + NR 100MHz / QPSK(0+7) for Other PA Open				
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-64.36	-13	-51.36	-74.57	3.03	13.24	H
	10356	-57.47	-13	-44.47	-66.92	3.56	13.01	H
	13824	-61.21	-13	-48.21	-70.73	3.92	13.44	H
	6912	-64.25	-13	-51.25	-74.46	3.03	13.24	V
	10356	-57.61	-13	-44.61	-67.06	3.56	13.01	V
	13824	-61.06	-13	-48.06	-70.58	3.92	13.44	V

EN-DC_7A_n78A / LTE 10MHz + NR 100MHz / QPSK(5+7) Open							
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-63.40	-13	-50.40	-73.61	3.03	13.24	H
	10368	-61.74	-13	-48.74	-71.19	3.56	13.01	H
	13824	-61.34	-13	-48.34	-70.86	3.92	13.44	H
	6912	-64.22	-13	-51.22	-74.43	3.03	13.24	V
	10368	-61.80	-13	-48.80	-71.25	3.56	13.01	V
	13824	-61.57	-13	-48.57	-71.09	3.92	13.44	V

EN-DC_26A_n78A / LTE 10MHz + NR 100MHz / QPSK(0+7) for Other PA Open							
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-63.43	-13	-50.43	-73.64	3.03	13.24	H
	10356	-58.20	-13	-45.20	-67.65	3.56	13.01	H
	13824	-61.13	-13	-48.13	-70.65	3.92	13.44	H
	6912	-64.12	-13	-51.12	-74.33	3.03	13.24	V
	10356	-58.30	-13	-45.30	-67.75	3.56	13.01	V
	13824	-61.13	-13	-48.13	-70.65	3.92	13.44	V

EN-DC_38A_n78A / LTE 10MHz + NR 100MHz / QPSK(5+7) Open							
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-63.23	-13	-50.23	-73.44	3.03	13.24	H
	10356	-59.13	-13	-46.13	-68.58	3.56	13.01	H
	13824	-60.92	-13	-47.92	-70.44	3.92	13.44	H
	6912	-63.97	-13	-50.97	-74.18	3.03	13.24	V
	10356	-62.02	-13	-49.02	-71.47	3.56	13.01	V
	13824	-61.30	-13	-48.30	-70.82	3.92	13.44	V

EN-DC_41A_n78A / LTE 10MHz + NR 100MHz / QPSK(5+7) Open							
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-64.20	-13	-51.20	-74.41	3.03	13.24	H
	10368	-61.26	-13	-48.26	-70.71	3.56	13.01	H
	13824	-61.27	-13	-48.27	-70.79	3.92	13.44	H
	6912	-64.17	-13	-51.17	-74.38	3.03	13.24	V
	10368	-61.21	-13	-48.21	-70.66	3.56	13.01	V
	13824	-61.69	-13	-48.69	-71.21	3.92	13.44	V

EN-DC_66A_n78A / LTE 10MHz + NR 100MHz / QPSK(5+7) Open							
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-64.00	-13	-51.00	-74.21	3.03	13.24	H
	10368	-61.81	-13	-48.81	-71.26	3.56	13.01	H
	13824	-61.43	-13	-48.43	-70.95	3.92	13.44	H
	6912	-64.15	-13	-51.15	-74.36	3.03	13.24	V
	10368	-61.30	-13	-48.30	-70.75	3.56	13.01	V
	13824	-61.18	-13	-48.18	-70.70	3.92	13.44	V

n77 UL MIMO / NR 100+100MHz / QPSK(ANT7+6) Open							
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-64.33	-13	-51.33	-74.54	3.03	13.24	H
	10368	-61.68	-13	-48.68	-71.13	3.56	13.01	H
	13824	-61.25	-13	-48.25	-70.77	3.92	13.44	H
	6912	-64.07	-13	-51.07	-74.28	3.03	13.24	V
	10368	-61.89	-13	-48.89	-71.34	3.56	13.01	V
	13824	-61.54	-13	-48.54	-71.06	3.92	13.44	V

n78 SA / NR 100MHz / QPSK(ANT7) Open							
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-64.00	-13	-51.00	-74.21	3.03	13.24	H
	10368	-61.83	-13	-48.83	-71.28	3.56	13.01	H
	13824	-61.47	-13	-48.47	-70.99	3.92	13.44	H
	6912	-64.43	-13	-51.43	-74.64	3.03	13.24	V
	10368	-62.19	-13	-49.19	-71.64	3.56	13.01	V
	13824	-61.81	-13	-48.81	-71.33	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.