B2_N77(40M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH
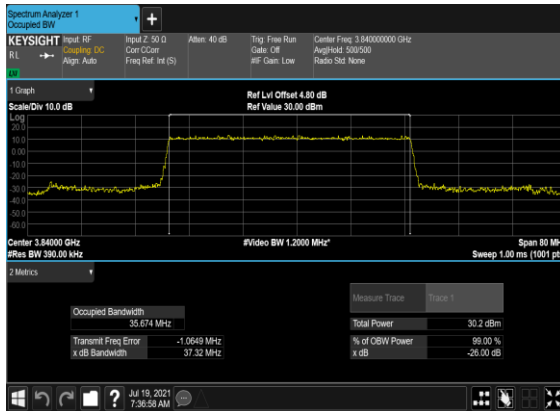

Occupied Bandwidth 35.674 MHz
Total Power 30.2 dBm
Transmit Freq Error -1.0649 MHz
x dB Bandwidth 37.32 MHz
% of OBW Power 99.00 %
x dB -26.00 dB

B2_N77(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

Occupied Bandwidth 35.689 MHz
Total Power 30.3 dBm
Transmit Freq Error -1.0575 MHz
x dB Bandwidth 37.07 MHz
% of OBW Power 99.00 %
x dB -26.00 dB

B2_N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

Occupied Bandwidth 37.796 MHz
Total Power 27.6 dBm
Transmit Freq Error 11.408 kHz
x dB Bandwidth 39.22 MHz
% of OBW Power 99.00 %
x dB -26.00 dB

B2_N77(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

Occupied Bandwidth 37.819 MHz
Total Power 27.9 dBm
Transmit Freq Error 30.192 kHz
x dB Bandwidth 39.35 MHz
% of OBW Power 99.00 %
x dB -26.00 dB

B2_N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

Occupied Bandwidth 37.840 MHz
Total Power 27.4 dBm
Transmit Freq Error 38.582 kHz
x dB Bandwidth 39.46 MHz
% of OBW Power 99.00 %
x dB -26.00 dB

B2_N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

Occupied Bandwidth 37.865 MHz
Total Power 24.3 dBm
Transmit Freq Error 52.067 kHz
x dB Bandwidth 39.47 MHz
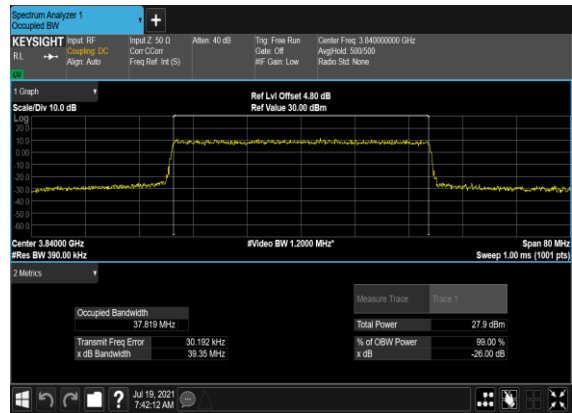% of OBW Power 99.00 %
x dB -26.00 dB

B2_N77(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

Spectrum Analyzer 1
Occupied BW

KEYSIGHT
RL
Input: RF　Input Z: 50 Ω　Atten: 40 dB　Trig: Free Run　Center Freq: 3.840000000 GHz
Coupling: DC　Corr CCorr　Gate: Off　Avg|Hold: 500/500
Align: Auto　Freq Ref: Int (S)　#IF Gain: Low　Radio Std: None

1 Graph
Scale/Div 10.0 dB
Log

Ref Lvl Offset 4.80 dB
Ref Value 30.00 dBm

Center 3.84000 GHz　#Video BW 1.5000 MHz*　Span 100 MHz
#Res BW 510.00 kHz　Sweep 1.00 ms (1001 pts)

2 Metrics

Measure Trace　Trace 1

Occupied Bandwidth	45.776 MHz	Total Power	29.3 dBm
Transmit Freq Error	-873.81 kHz	% of OBW Power	99.00 %
x dB Bandwidth	47.54 MHz	x dB	-26.00 dB

Jul 19, 2021
7:47:37 AM

B2_N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

Spectrum Analyzer 1
Occupied BW

KEYSIGHT
RL
Input: RF　Input Z: 50 Ω　Atten: 40 dB　Trig: Free Run　Center Freq: 3.840000000 GHz
Coupling: DC　Corr CCorr　Gate: Off　Avg|Hold: 500/500
Align: Auto　Freq Ref: Int (S)　#IF Gain: Low　Radio Std: None

1 Graph
Scale/Div 10.0 dB
Log

Ref Lvl Offset 4.80 dB
Ref Value 30.00 dBm

Center 3.84000 GHz　#Video BW 1.5000 MHz*　Span 100 MHz
#Res BW 510.00 kHz　Sweep 1.00 ms (1001 pts)

2 Metrics

Measure Trace　Trace 1

Occupied Bandwidth	45.754 MHz	Total Power	29.4 dBm
Transmit Freq Error	-901.87 kHz	% of OBW Power	99.00 %
x dB Bandwidth	47.36 MHz	x dB	-26.00 dB

Jul 19, 2021
7:49:21 AM

B2_N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

Spectrum Analyzer 1
Occupied BW

KEYSIGHT
RL
Input: RF　Input Z: 50 Ω　Atten: 40 dB　Trig: Free Run　Center Freq: 3.840000000 GHz
Coupling: DC　Corr CCorr　Gate: Off　Avg|Hold: 500/500
Align: Auto　Freq Ref: Int (S)　#IF Gain: Low　Radio Std: None

1 Graph
Scale/Div 10.0 dB
Log

Ref Lvl Offset 4.80 dB
Ref Value 30.00 dBm

Center 3.84000 GHz　#Video BW 1.5000 MHz*　Span 100 MHz
#Res BW 510.00 kHz　Sweep 1.00 ms (1001 pts)

2 Metrics

Measure Trace　Trace 1

Occupied Bandwidth	47.430 MHz	Total Power	27.3 dBm
Transmit Freq Error	5.133 kHz	% of OBW Power	99.00 %
x dB Bandwidth	49.47 MHz	x dB	-26.00 dB

Jul 19, 2021
7:51:07 AM

B2_N77(50M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

Spectrum Analyzer 1
Occupied BW

KEYSIGHT
RL
Input: RF　Input Z: 50 Ω　Atten: 40 dB　Trig: Free Run　Center Freq: 3.840000000 GHz
Coupling: DC　Corr CCorr　Gate: Off　Avg|Hold: 500/500
Align: Auto　Freq Ref: Int (S)　#IF Gain: Low　Radio Std: None

1 Graph
Scale/Div 10.0 dB
Log

Ref Lvl Offset 4.80 dB
Ref Value 30.00 dBm

Center 3.84000 GHz　#Video BW 1.5000 MHz*　Span 100 MHz
#Res BW 510.00 kHz　Sweep 1.00 ms (1001 pts)

2 Metrics

Measure Trace　Trace 1

Occupied Bandwidth	47.536 MHz	Total Power	27.4 dBm
Transmit Freq Error	54.404 kHz	% of OBW Power	99.00 %
x dB Bandwidth	49.14 MHz	x dB	-26.00 dB

Jul 19, 2021
7:52:51 AM

B2_N77(50M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

Spectrum Analyzer 1
Occupied BW

KEYSIGHT
RL
Input: RF　Input Z: 50 Ω　Atten: 40 dB　Trig: Free Run　Center Freq: 3.840000000 GHz
Coupling: DC　Corr CCorr　Gate: Off　Avg|Hold: 500/500
Align: Auto　Freq Ref: Int (S)　#IF Gain: Low　Radio Std: None

1 Graph
Scale/Div 10.0 dB
Log

Ref Lvl Offset 4.80 dB
Ref Value 30.00 dBm

Center 3.84000 GHz　#Video BW 1.5000 MHz*　Span 100 MHz
#Res BW 510.00 kHz　Sweep 1.00 ms (1001 pts)

2 Metrics

Measure Trace　Trace 1

Occupied Bandwidth	47.526 MHz	Total Power	26.8 dBm
Transmit Freq Error	7.331 kHz	% of OBW Power	99.00 %
x dB Bandwidth	49.16 MHz	x dB	-26.00 dB

Jul 19, 2021
7:54:35 AM

B2_N77(50M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

Spectrum Analyzer 1
Occupied BW

KEYSIGHT
RL
Input: RF　Input Z: 50 Ω　Atten: 40 dB　Trig: Free Run　Center Freq: 3.840000000 GHz
Coupling: DC　Corr CCorr　Gate: Off　Avg|Hold: 500/500
Align: Auto　Freq Ref: Int (S)　#IF Gain: Low　Radio Std: None

1 Graph
Scale/Div 10.0 dB
Log

Ref Lvl Offset 4.80 dB
Ref Value 30.00 dBm

Center 3.84000 GHz　#Video BW 1.5000 MHz*　Span 100 MHz
#Res BW 510.00 kHz　Sweep 1.00 ms (1001 pts)

2 Metrics

Measure Trace　Trace 1

Occupied Bandwidth	47.506 MHz	Total Power	23.9 dBm
Transmit Freq Error	-14.669 kHz	% of OBW Power	99.00 %
x dB Bandwidth	49.14 MHz	x dB	-26.00 dB

Jul 19, 2021
7:56:21 AM

B2_N77(60M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

B2_N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

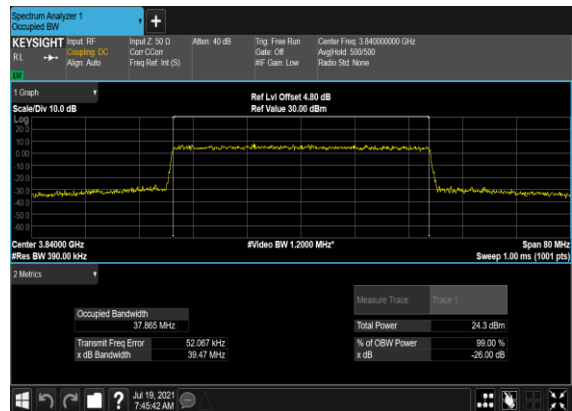## B2_N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

B2_N77(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH
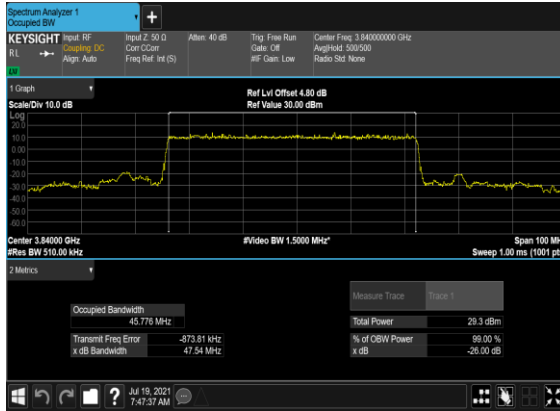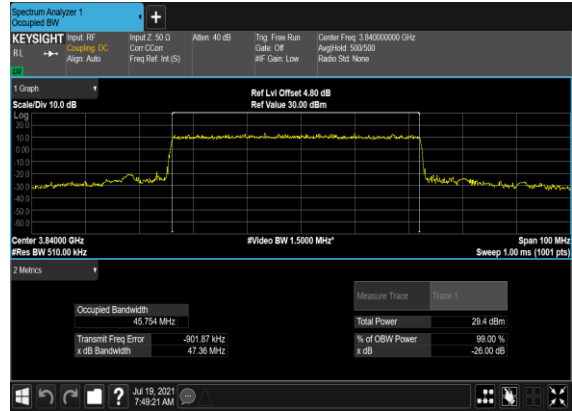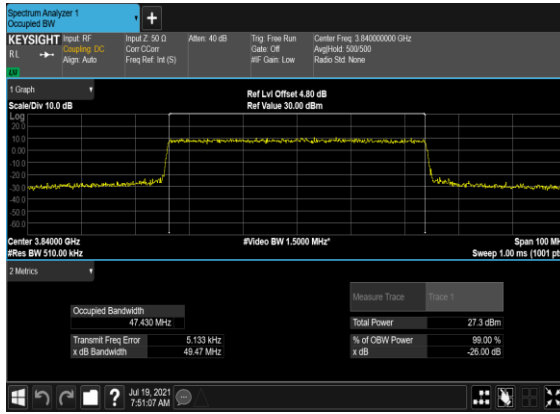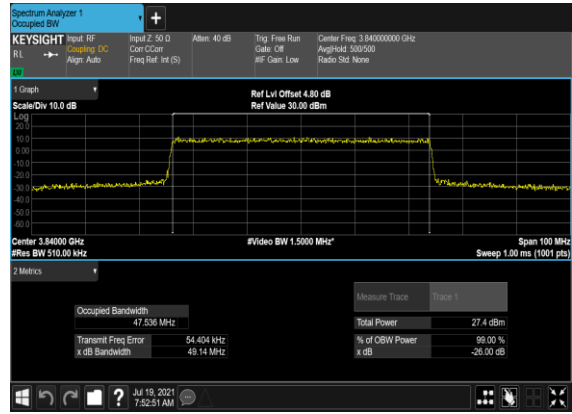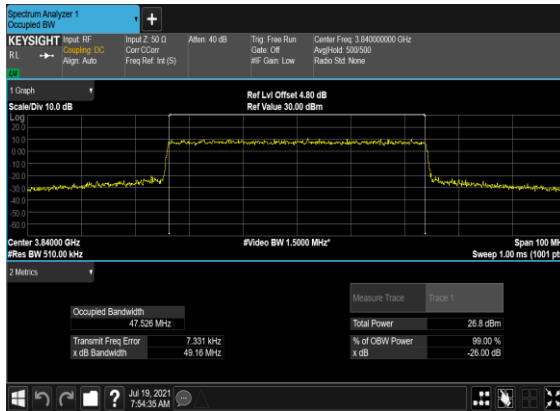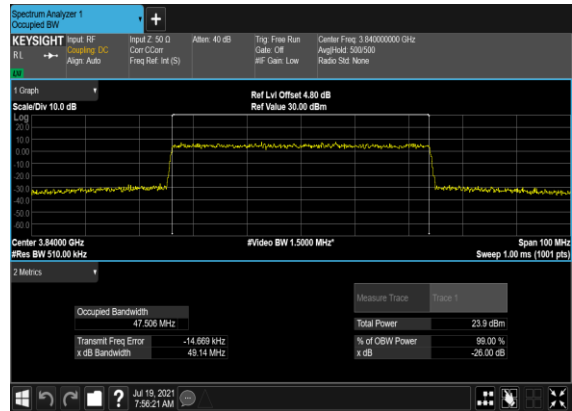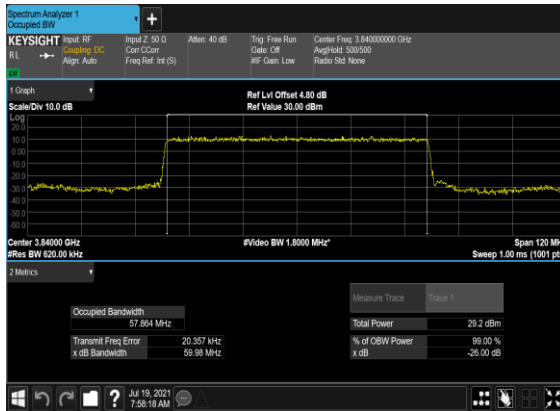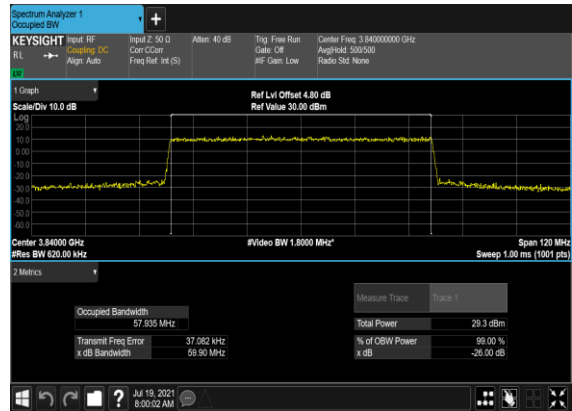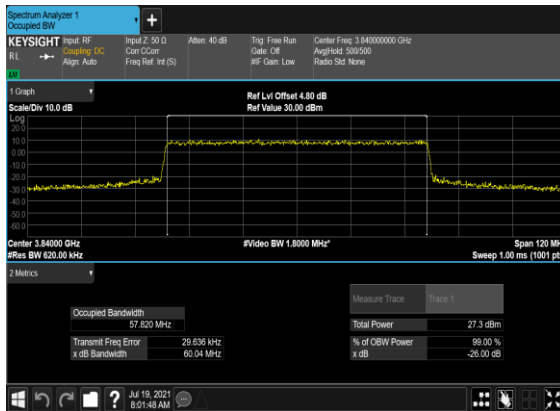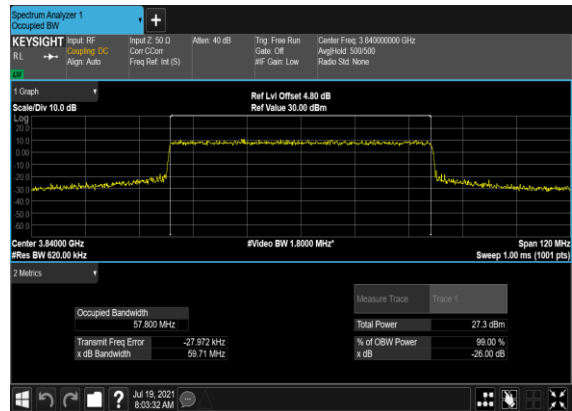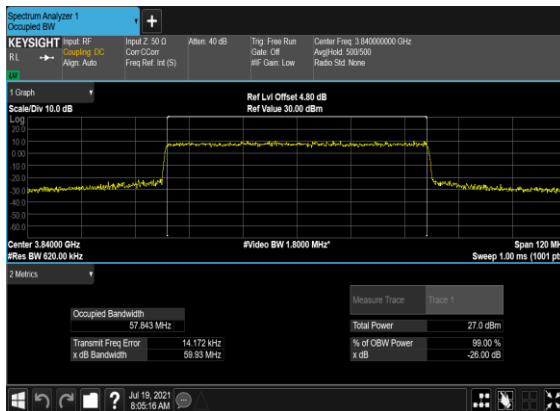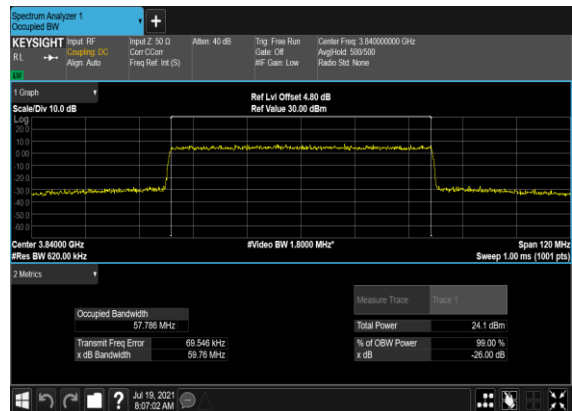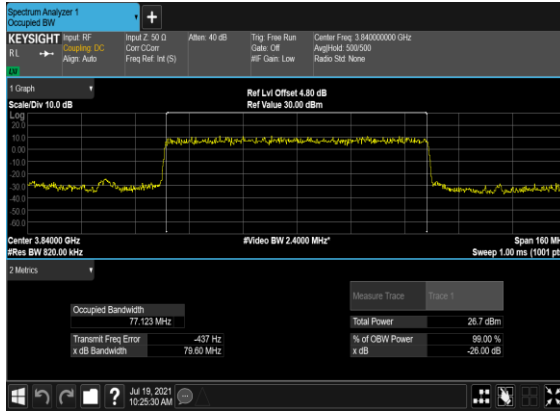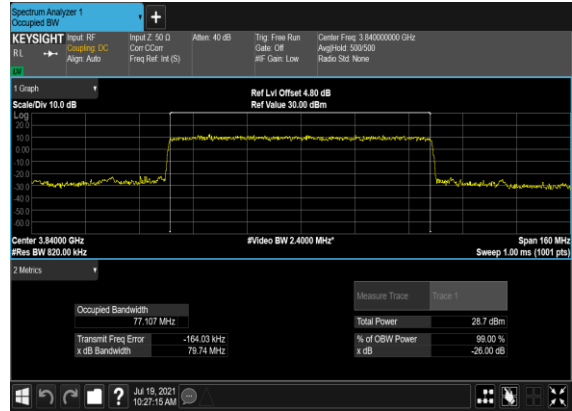

B2_N77(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH
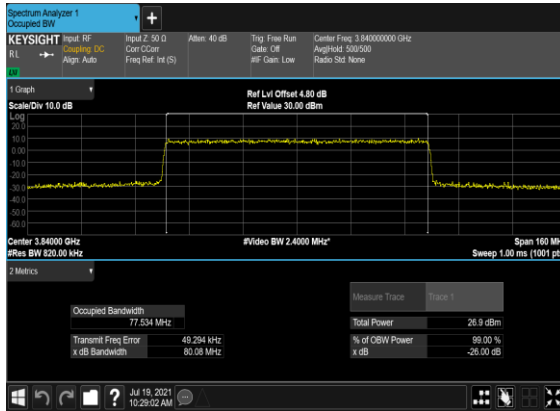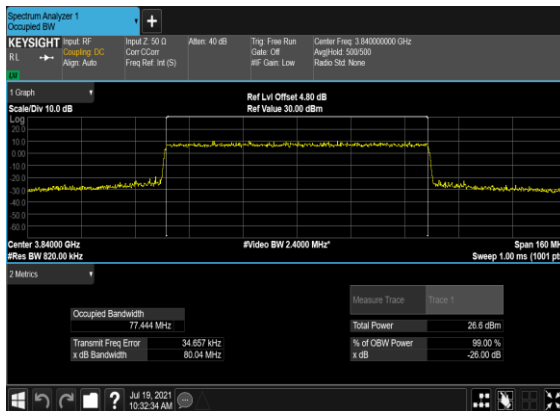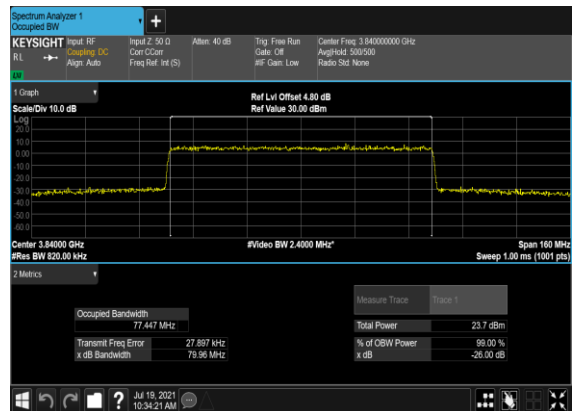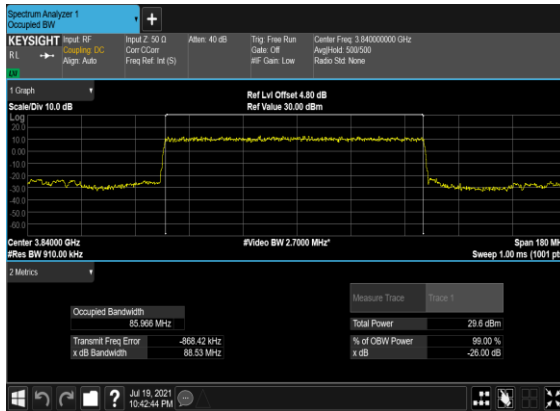

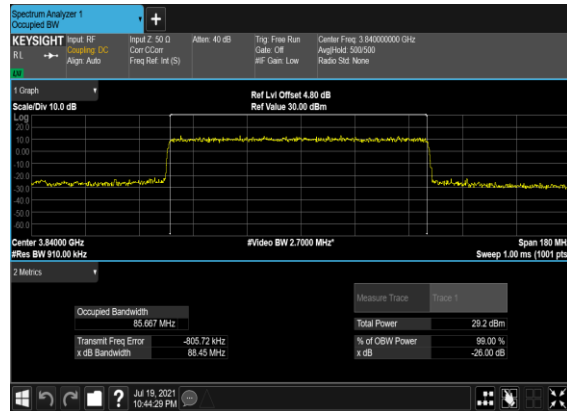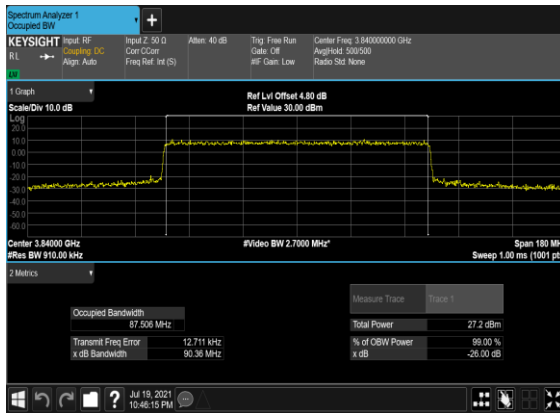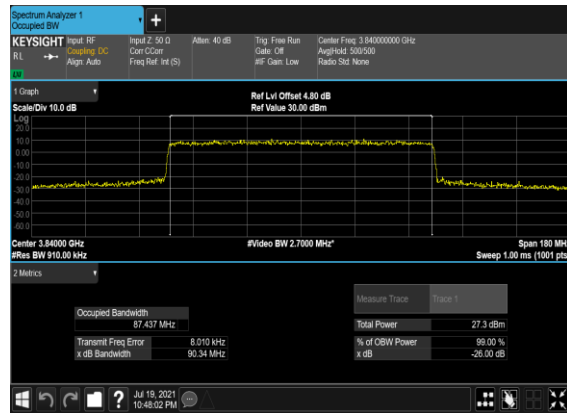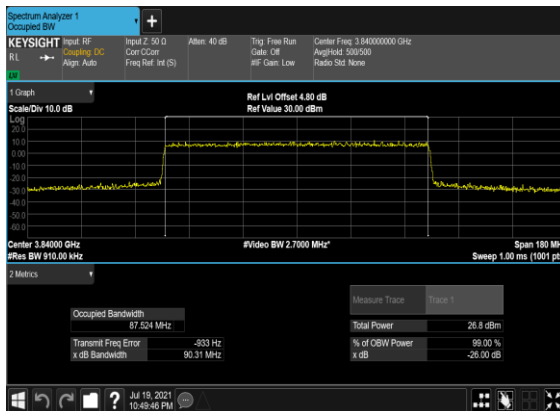## B2_N77(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

B2_N77(80M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input: RF Input Z: 50 Ω Atten: 40 dB Trig: Free Run Center Freq: 3.840000000 GHz
RL Coupling: DC Corr CCorr Gate: Off AvgHold: 500/500
Align: Auto Freq Ref: Int (S) #IF Gain: Low Radio Std: None

1 Graph
Scale/Div 10.0 dB Ref Lvl Offset 4.80 dB
Log Ref Value 30.00 dBm

Center 3.84000 GHz #Video BW 2.4000 MHz* Span 160 MHz
#Res BW 820.00 kHz Sweep 1.00 ms (1001 pts)

2 Metrics Measure Trace Trace 1

Occupied Bandwidth
77.123 MHz Total Power 26.7 dBm
Transmit Freq Error -437 Hz % of OBW Power 99.00 %
x dB Bandwidth 79.60 MHz x dB -26.00 dB

Jul 19, 2021 10:25:30 AM

B2_N77(80M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input: RF Input Z: 50 Ω Atten: 40 dB Trig: Free Run Center Freq: 3.840000000 GHz
RL Coupling: DC Corr CCorr Gate: Off AvgHold: 500/500
Align: Auto Freq Ref: Int (S) #IF Gain: Low Radio Std: None

1 Graph
Scale/Div 10.0 dB Ref Lvl Offset 4.80 dB
Log Ref Value 30.00 dBm

Center 3.84000 GHz #Video BW 2.4000 MHz* Span 160 MHz
#Res BW 820.00 kHz Sweep 1.00 ms (1001 pts)

2 Metrics Measure Trace Trace 1

Occupied Bandwidth
77.107 MHz Total Power 28.7 dBm
Transmit Freq Error -164.03 kHz % of OBW Power 99.00 %
x dB Bandwidth 79.74 MHz x dB -26.00 dB

Jul 19, 2021 10:27:15 AM

B2_N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input: RF Input Z: 50 Ω Atten: 40 dB Trig: Free Run Center Freq: 3.840000000 GHz
RL Coupling: DC Corr CCorr Gate: Off AvgHold: 500/500
Align: Auto Freq Ref: Int (S) #IF Gain: Low Radio Std: None

1 Graph
Scale/Div 10.0 dB Ref Lvl Offset 4.80 dB
Log Ref Value 30.00 dBm

Center 3.84000 GHz #Video BW 2.4000 MHz* Span 160 MHz
#Res BW 820.00 kHz Sweep 1.00 ms (1001 pts)

2 Metrics Measure Trace Trace 1

Occupied Bandwidth
77.534 MHz Total Power 26.9 dBm
Transmit Freq Error 49.294 kHz % of OBW Power 99.00 %
x dB Bandwidth 80.08 MHz x dB -26.00 dB

Jul 19, 2021 10:29:02 AM

B2_N77(80M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input: RF Input Z: 50 Ω Atten: 40 dB Trig: Free Run Center Freq: 3.840000000 GHz
RL Coupling: DC Corr CCorr Gate: Off AvgHold: 500/500
Align: Auto Freq Ref: Int (S) #IF Gain: Low Radio Std: None

1 Graph
Scale/Div 10.0 dB Ref Lvl Offset 4.80 dB
Log Ref Value 30.00 dBm

Center 3.84000 GHz #Video BW 2.4000 MHz* Span 160 MHz
#Res BW 820.00 kHz Sweep 1.00 ms (1001 pts)

2 Metrics Measure Trace Trace 1

Occupied Bandwidth
77.533 MHz Total Power 27.0 dBm
Transmit Freq Error 38.776 kHz % of OBW Power 99.00 %
x dB Bandwidth 79.97 MHz x dB -26.00 dB

Jul 19, 2021 10:30:48 AM

B2_N77(80M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input: RF Input Z: 50 Ω Atten: 40 dB Trig: Free Run Center Freq: 3.840000000 GHz
RL Coupling: DC Corr CCorr Gate: Off AvgHold: 500/500
Align: Auto Freq Ref: Int (S) #IF Gain: Low Radio Std: None

1 Graph
Scale/Div 10.0 dB Ref Lvl Offset 4.80 dB
Log Ref Value 30.00 dBm

Center 3.84000 GHz #Video BW 2.4000 MHz* Span 160 MHz
#Res BW 820.00 kHz Sweep 1.00 ms (1001 pts)

2 Metrics Measure Trace Trace 1

Occupied Bandwidth
77.444 MHz Total Power 26.6 dBm
Transmit Freq Error 34.657 kHz % of OBW Power 99.00 %
x dB Bandwidth 80.04 MHz x dB -26.00 dB

Jul 19, 2021 10:32:34 AM

B2_N77(80M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input: RF Input Z: 50 Ω Atten: 40 dB Trig: Free Run Center Freq: 3.840000000 GHz
RL Coupling: DC Corr CCorr Gate: Off AvgHold: 500/500
Align: Auto Freq Ref: Int (S) #IF Gain: Low Radio Std: None

1 Graph
Scale/Div 10.0 dB Ref Lvl Offset 4.80 dB
Log Ref Value 30.00 dBm

Center 3.84000 GHz #Video BW 2.4000 MHz* Span 160 MHz
#Res BW 820.00 kHz Sweep 1.00 ms (1001 pts)

2 Metrics Measure Trace Trace 1

Occupied Bandwidth
77.447 MHz Total Power 23.7 dBm
Transmit Freq Error 27.897 kHz % of OBW Power 99.00 %
x dB Bandwidth 79.96 MHz x dB -26.00 dB

Jul 19, 2021 10:34:21 AM

B2_N77(90M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

B2_N77(90M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH
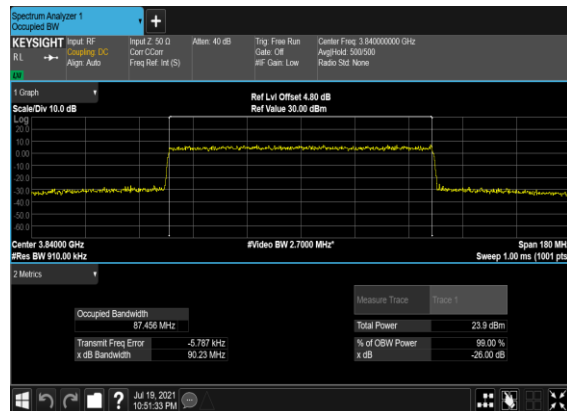

B2_N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

B2_N77(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

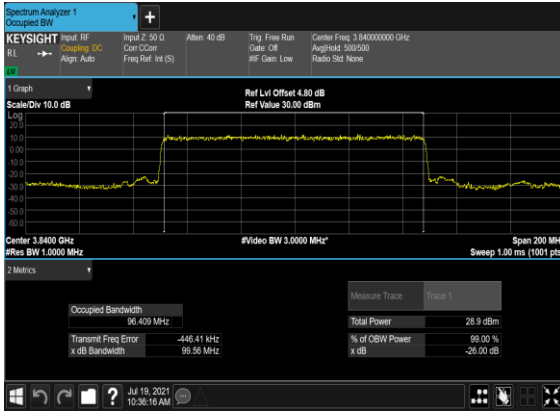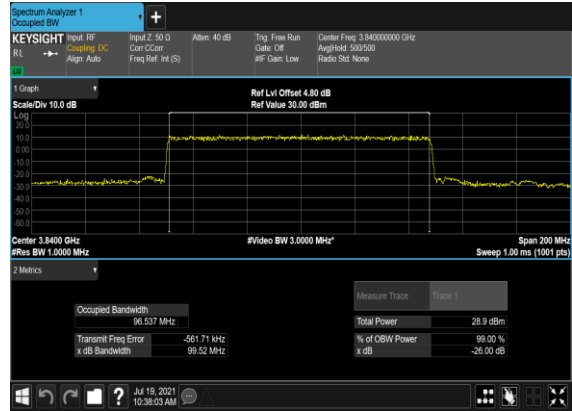## B2_N77(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B2_N77(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH
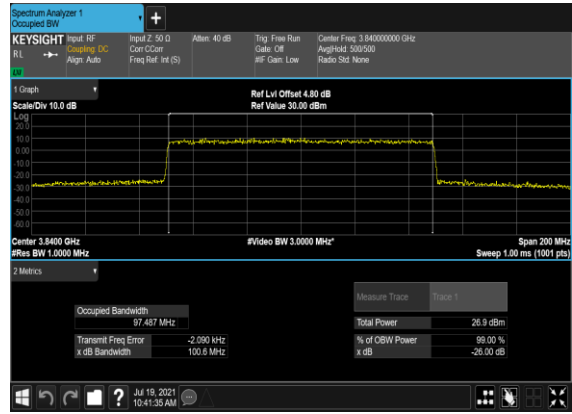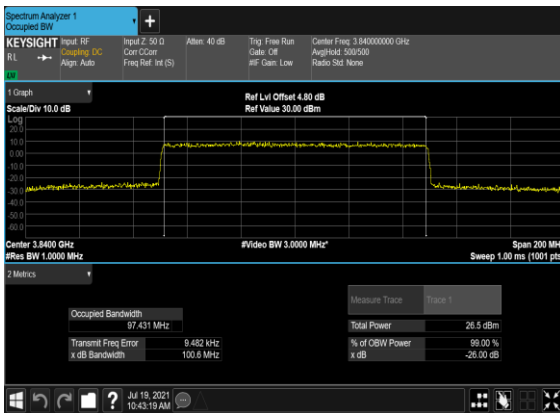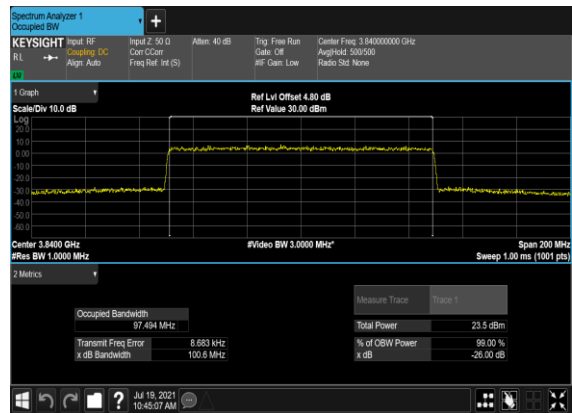
B2_N77(100M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

Occupied Bandwidth: 96.409 MHz
Transmit Freq Error: -446.41 kHz
x dB Bandwidth: 99.56 MHz
Total Power: 28.9 dBm
% of OBW Power: 99.00 %
x dB: -26.00 dB

B2_N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

Occupied Bandwidth: 96.537 MHz
Transmit Freq Error: -561.71 kHz
x dB Bandwidth: 99.52 MHz
Total Power: 28.9 dBm
% of OBW Power: 99.00 %
x dB: -26.00 dB

B2_N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

Occupied Bandwidth: 97.296 MHz
Transmit Freq Error: 17.990 kHz
x dB Bandwidth: 100.4 MHz
Total Power: 26.9 dBm
% of OBW Power: 99.00 %
x dB: -26.00 dB

B2_N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

Occupied Bandwidth: 97.487 MHz
Transmit Freq Error: -2.090 kHz
x dB Bandwidth: 100.6 MHz
Total Power: 26.9 dBm
% of OBW Power: 99.00 %
x dB: -26.00 dB

B2_N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

Occupied Bandwidth: 97.431 MHz
Transmit Freq Error: 9.482 kHz
x dB Bandwidth: 100.6 MHz
Total Power: 26.5 dBm
% of OBW Power: 99.00 %
x dB: -26.00 dB

B2_N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

Occupied Bandwidth: 97.494 MHz
Transmit Freq Error: 8.683 kHz
x dB Bandwidth: 100.6 MHz
Total Power: 23.5 dBm
% of OBW Power: 99.00 %
x dB: -26.00 dB

Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	20	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	---

77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	60	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	60	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---

77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

B2_N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

B2_N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

B2_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

B2_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

B2_N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

B2_N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

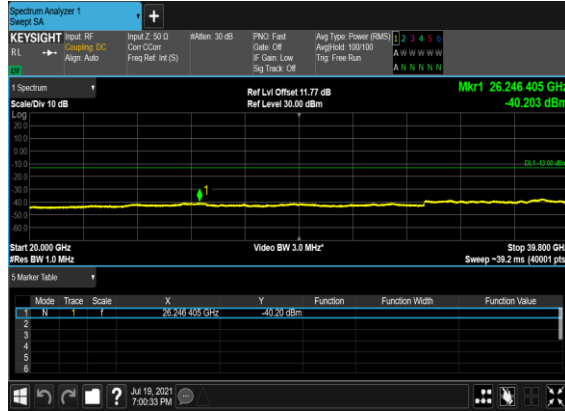## B2_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

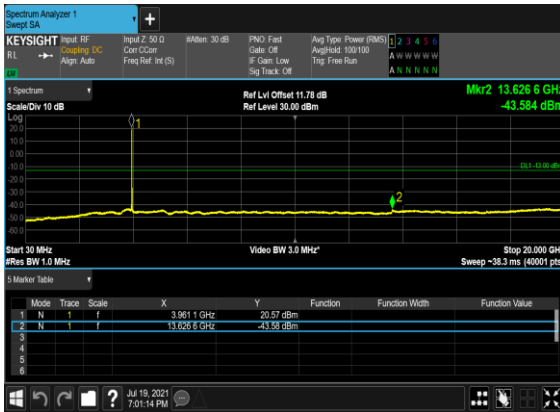## B2_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

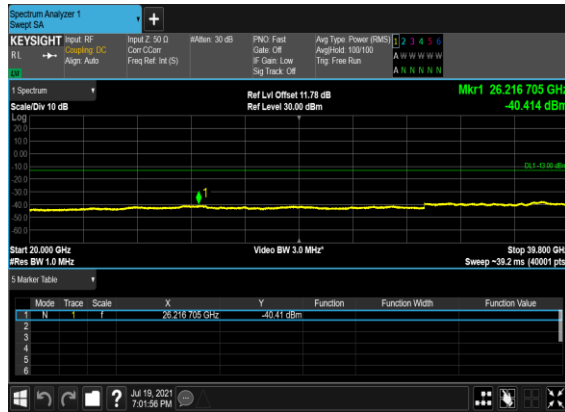## B2_N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

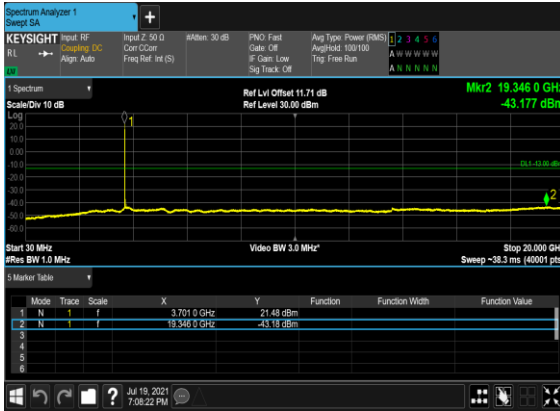## B2_N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

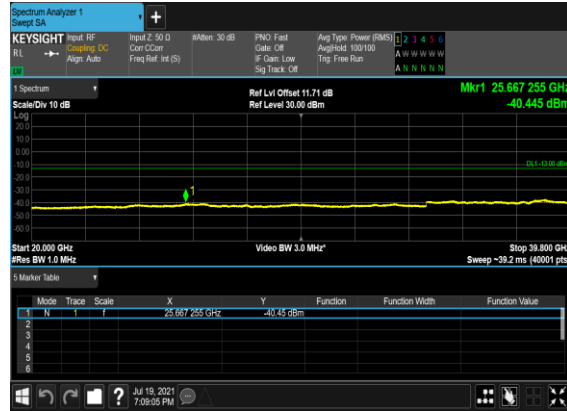## B2_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

B2_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

B2_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

B2_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

B2_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

B2_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

B2_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

B2_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

B2_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

B2_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

B2_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

B2_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

B2_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

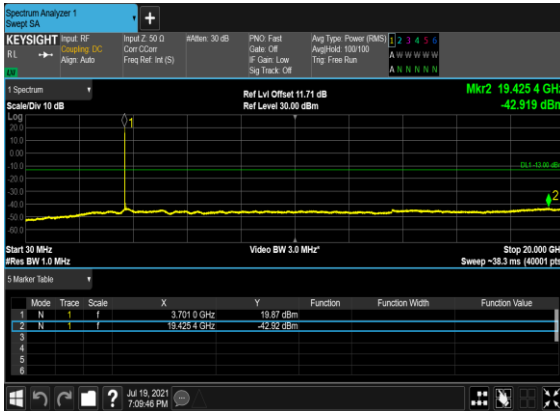## B2_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

B2_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

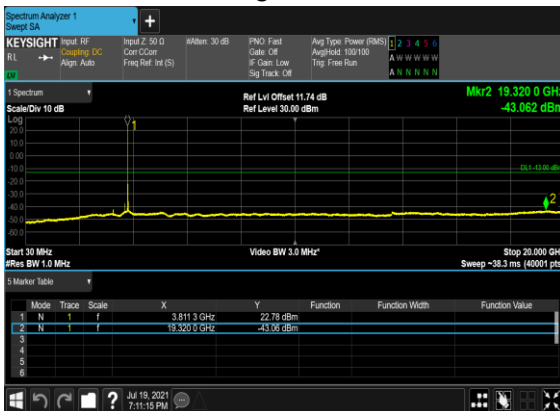## B2_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

B2_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH
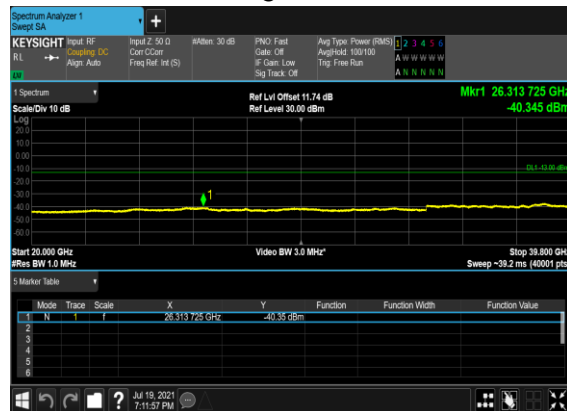

B2_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH
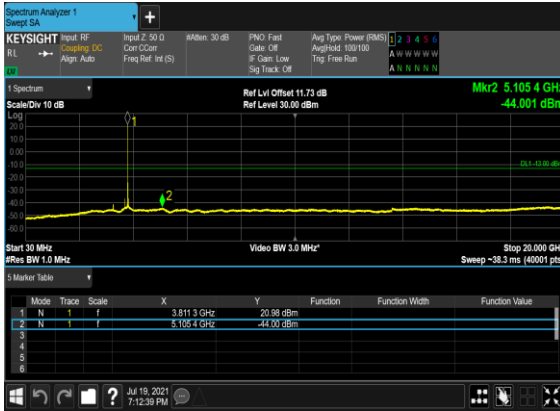

B2_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH
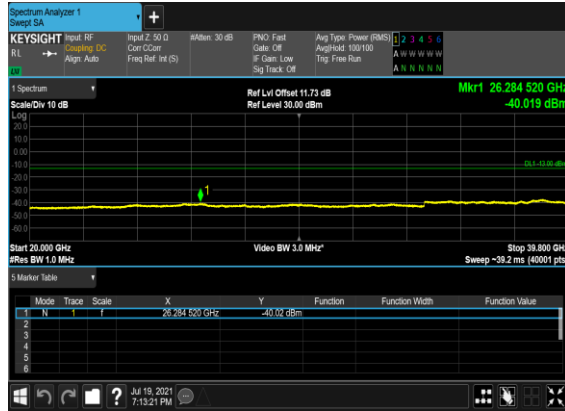

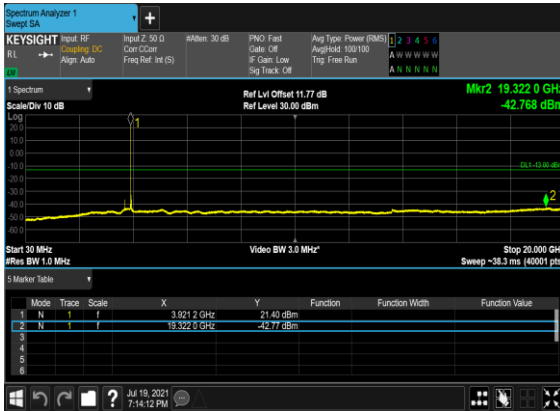## B2_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

B2_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH
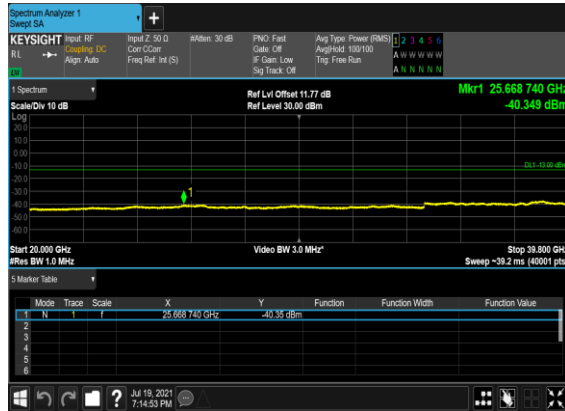

B2_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH
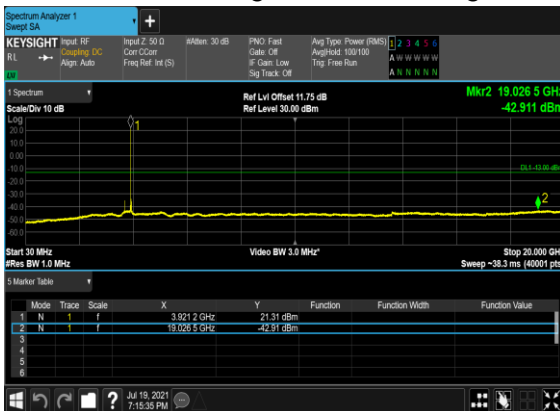

B2_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH
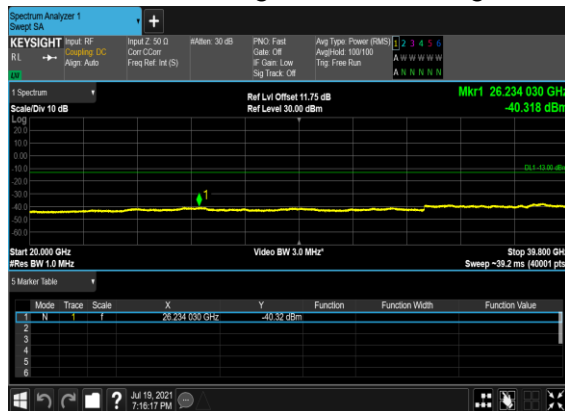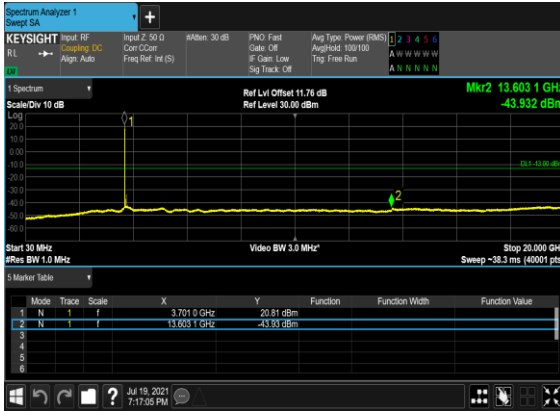

B2_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

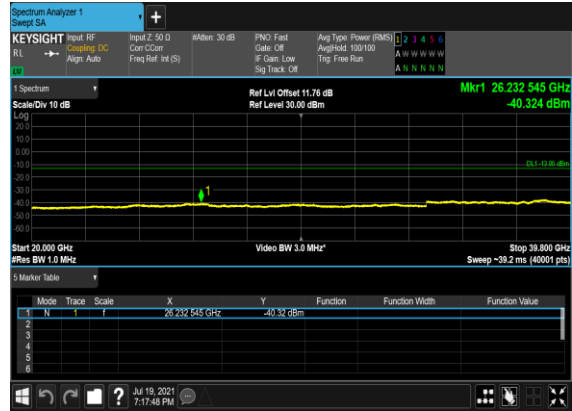## B2_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

B2_N77(100M)_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
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@50	see graph	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@50	see graph	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	162@0	see graph	**PASS**
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	162@0	see graph	**PASS**
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	1@161	see graph	**PASS**
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@161	see graph	**PASS**
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	162@0	see graph	**PASS**
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	162@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@272	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@272	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

B2_N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF   Input Z: 50 Ω   Atten: 30 dB   Trig: Free Run   Center Freq: 22.005000000 GHz
R L   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
Scale/Div 10.0 dB
Ref Lvl Offset 11.78 dB
Ref Value 30.00 dBm
Log

Start 3.600 GHz   Stop 3.800 GHz

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

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.6000 GHz	3.6950 GHz	1.000 MHz	3.684391667 GHz	-39.09 dBm	-26.69 dB
2	2	3.6950 GHz	3.6990 GHz	510.0 kHz	3.696686667 GHz	-27.33 dBm	-14.33 dB
3	3	3.6990 GHz	3.7000 GHz	200.0 kHz	3.699981667 GHz	-16.76 dBm	-3.764 dB
4	4	3.7000 GHz	3.8000 GHz	100.0 kHz	3.701000000 GHz	17.95 dBm	-12.05 dB

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B2_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF   Input Z: 50 Ω   Atten: 30 dB   Trig: Free Run   Center Freq: 22.005000000 GHz
R L   Coupling: DC   Corr CCorr   Gate: Off   AvgHold: 200/200
        Align: Auto   Freq Ref: Int (S)   IF Gain: Low   Radio Std: None
PASS

3 All Range Graph
Scale/Div 10.0 dB
Ref Lvl Offset 11.75 dB
Ref Value 30.00 dBm
Log

Start 3.600 GHz   Stop 3.800 GHz

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

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.6000 GHz	3.6950 GHz	1.000 MHz	3.693733333 GHz	-33.12 dBm	-20.12 dB
2	2	3.6950 GHz	3.6990 GHz	510.0 kHz	3.698700000 GHz	-27.76 dBm	-14.76 dB
3	3	3.6990 GHz	3.7000 GHz	200.0 kHz	3.699990000 GHz	-15.90 dBm	-2.904 dB
4	4	3.7000 GHz	3.8000 GHz	100.0 kHz	3.701000000 GHz	16.52 dBm	-13.48 dB

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B2_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS

Spectrum Analyzer 1
Channel Power

KEYSIGHT Input: RF   Input Z: 50 Ω   Atten: 50 dB   Trig: Free Run   Center Freq: 3.699000000 GHz
R L   Coupling: DC   Corr CCorr   #PNO: Fast   AvgHold: 500/500
        Align: Auto   Freq Ref: Int (S)   #IF Gain: Low   Radio Std: None
PASS

1 Graph
Scale/Div 10.0 dB
Ref Lvl Offset 11.75 dB
Ref Value 30.00 dBm
Log

Center 3.6999000 GHz   Span 400 kHz
#Res BW 30.000 kHz   #Video BW 91.000 kHz*   Sweep 1.00 ms (1001 pts)

2 Metrics

Total Channel Power	-21.99 dBm / 200 kHz
Total Power Spectral Density	-75.00 dBm/Hz

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B2_N77(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF   Input Z: 50 Ω   Atten: 30 dB   Trig: Free Run   Center Freq: 22.005000000 GHz
R L   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
Scale/Div 10.0 dB
Ref Lvl Offset 11.77 dB
Ref Value 30.00 dBm
Log

Start 3.600 GHz   Stop 3.800 GHz

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

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.6000 GHz	3.6950 GHz	1.000 MHz	3.692308333 GHz	-29.30 dBm	-16.30 dB
2	2	3.6950 GHz	3.6990 GHz	510.0 kHz	3.698753333 GHz	-31.44 dBm	-18.44 dB
3	3	3.6990 GHz	3.7000 GHz	200.0 kHz	3.700000000 GHz	-30.60 dBm	-17.60 dB
4	4	3.7000 GHz	3.8000 GHz	100.0 kHz	3.706500000 GHz	1.423 dBm	-28.58 dB

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B2_N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF   Input Z: 50 Ω   Atten: 30 dB   Trig: Free Run   Center Freq: 22.005000000 GHz
R L   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
Scale/Div 10.0 dB
Ref Lvl Offset 11.78 dB
Ref Value 30.00 dBm
Log

Start 3.600 GHz   Stop 3.800 GHz

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

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.6000 GHz	3.6950 GHz	1.000 MHz	3.694541667 GHz	-28.64 dBm	-15.64 dB
2	2	3.6950 GHz	3.6990 GHz	510.0 kHz	3.698253333 GHz	-28.15 dBm	-15.15 dB
3	3	3.6990 GHz	3.7000 GHz	200.0 kHz	3.699970000 GHz	-29.99 dBm	-16.99 dB
4	4	3.7000 GHz	3.8000 GHz	100.0 kHz	3.718333333 GHz	1.976 dBm	-28.02 dB

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B2_N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF   Input Z: 50 Ω   Atten: 30 dB   Trig: Free Run   Center Freq: 22.005000000 GHz
R L   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
Scale/Div 10.0 dB
Ref Lvl Offset 11.77 dB
Ref Value 30.00 dBm
Log

Start 3.880 GHz   Stop 4.080 GHz

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

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.8800 GHz	3.9800 GHz	100.0 kHz	3.979000000 GHz	17.66 dBm	-12.34 dB
2	2	3.9800 GHz	3.9810 GHz	200.0 kHz	3.980038333 GHz	-17.68 dBm	-4.681 dB
3	3	3.9810 GHz	3.9850 GHz	510.0 kHz	3.981053333 GHz	-26.58 dBm	-13.58 dB
4	4	3.9850 GHz	4.0800 GHz	1.000 MHz	3.985633333 GHz	-35.20 dBm	-22.20 dB

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B2_N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

B2_N77(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

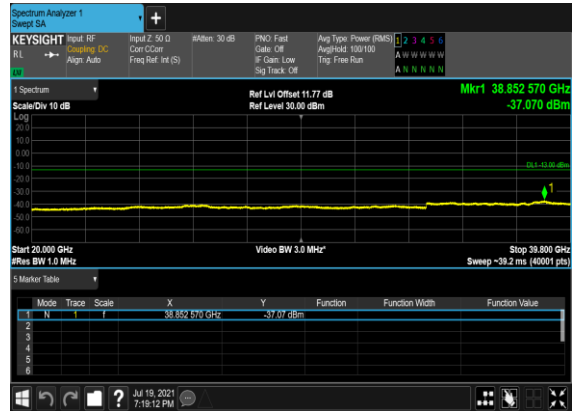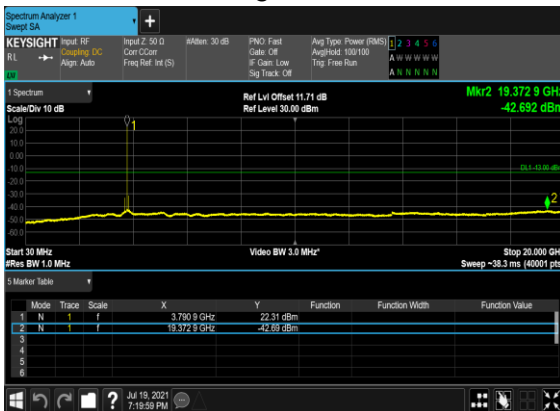## B2_N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

B2_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

B2_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH
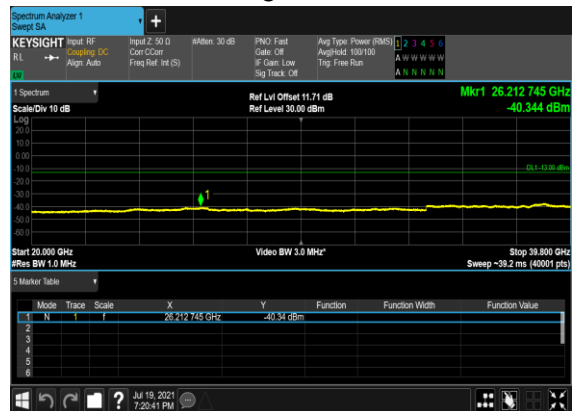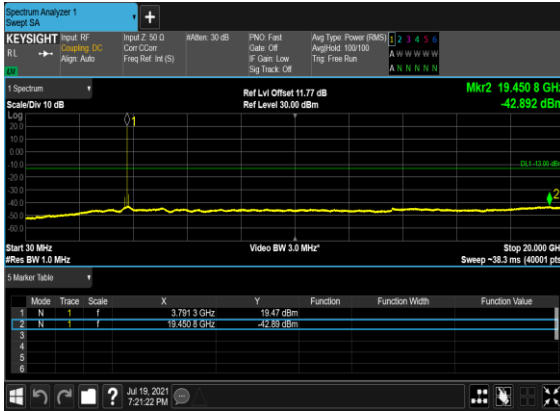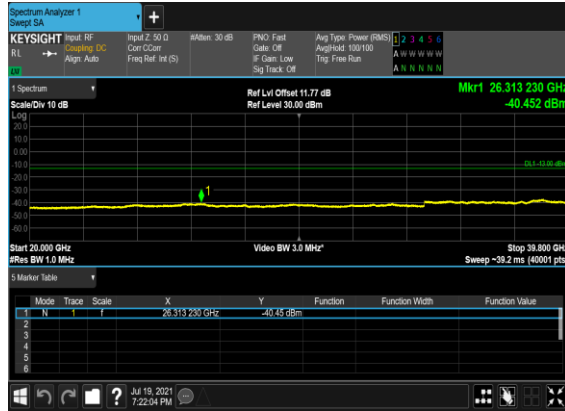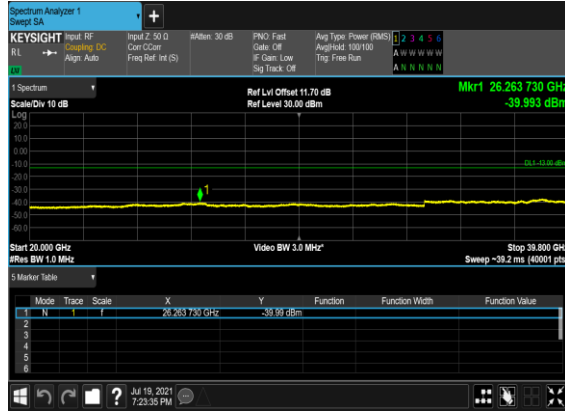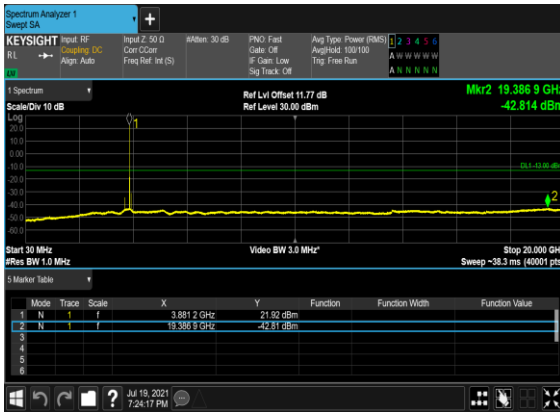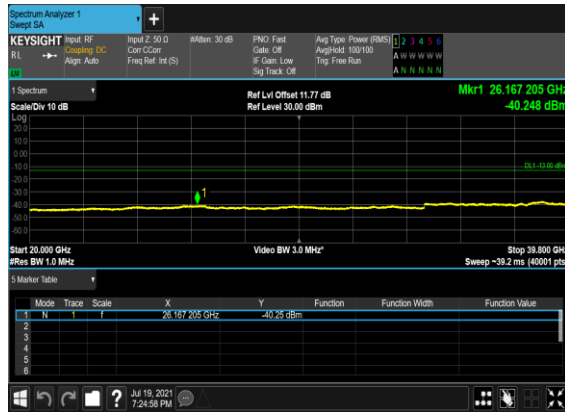

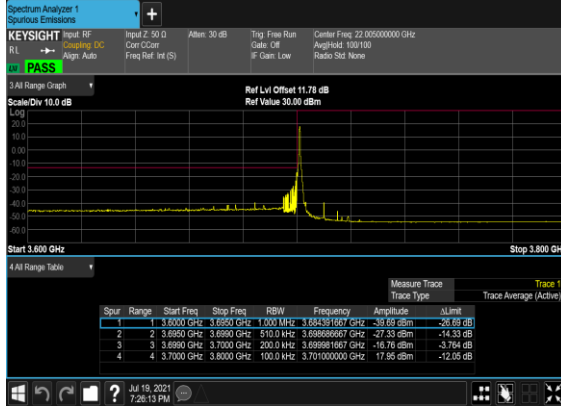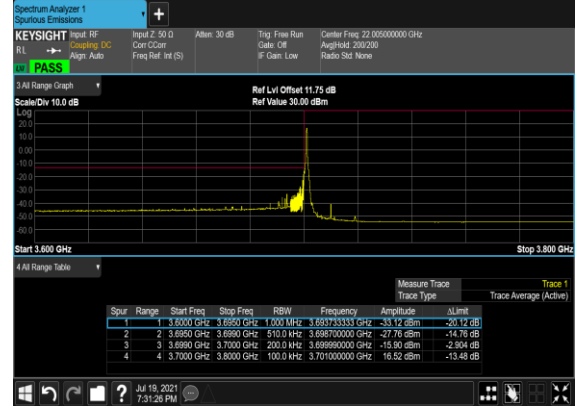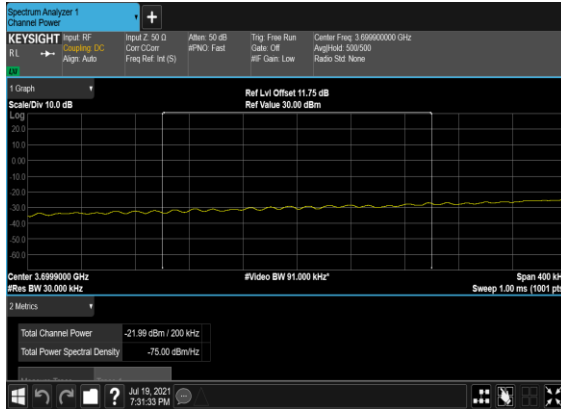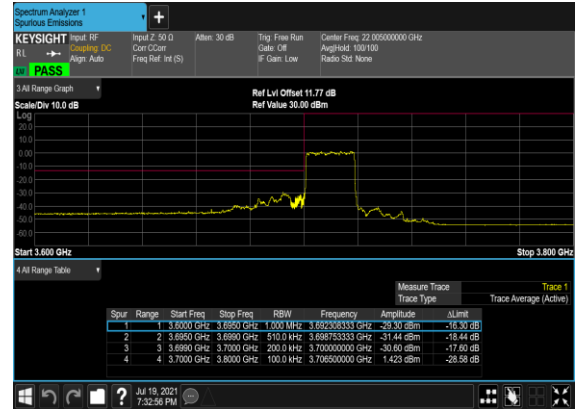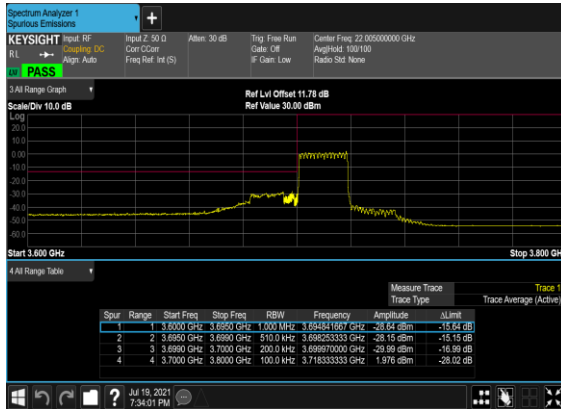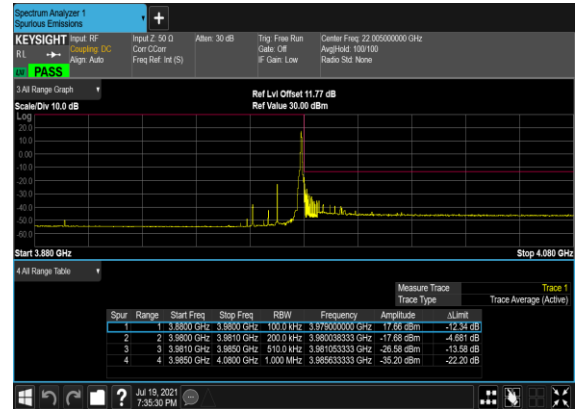## B2_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS

B2_N77(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH
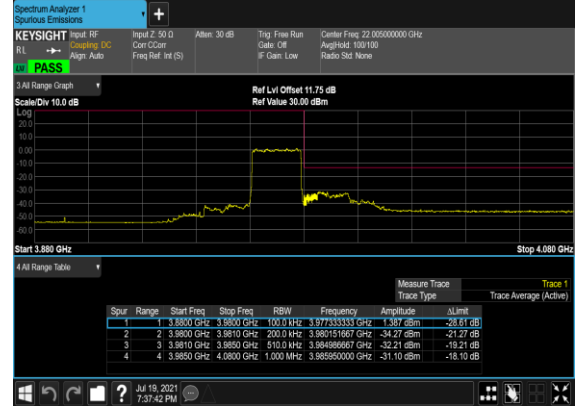

B2_N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

B2_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

B2_N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS
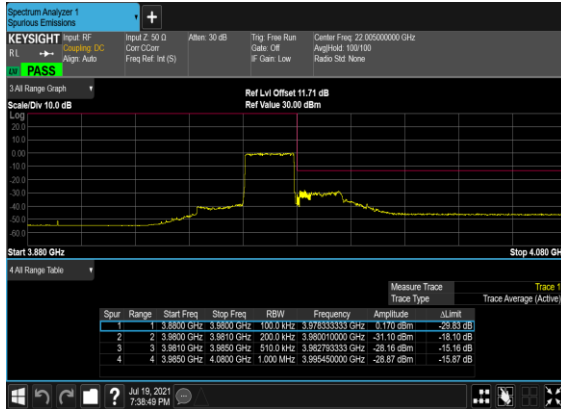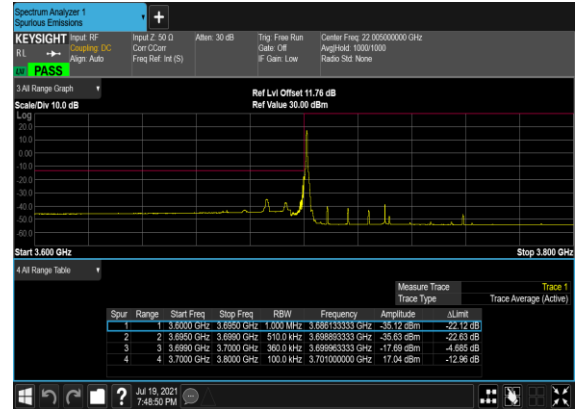

B2_N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

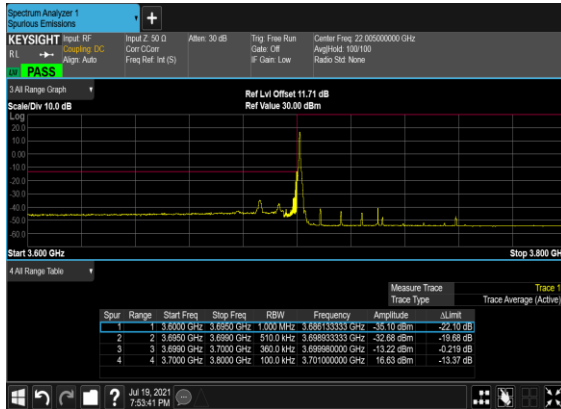## B2_N77(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

B2_N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

B2_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH
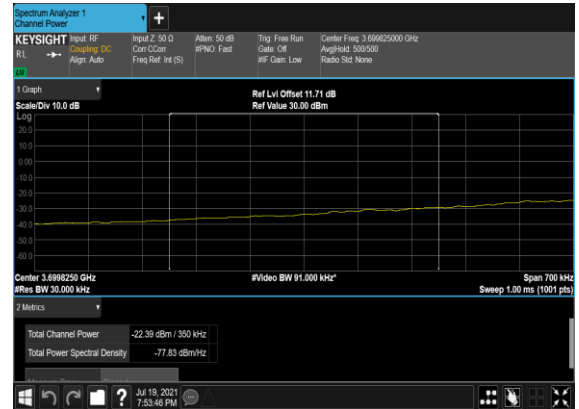

B2_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS
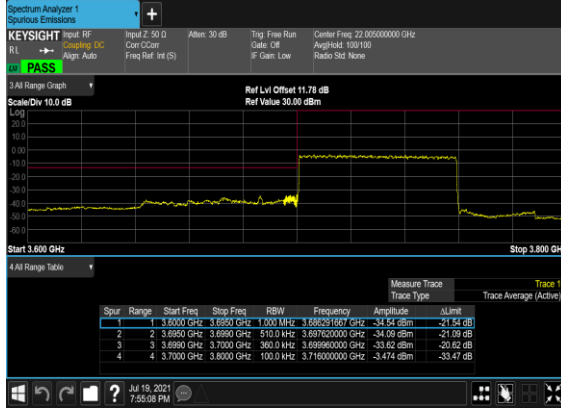

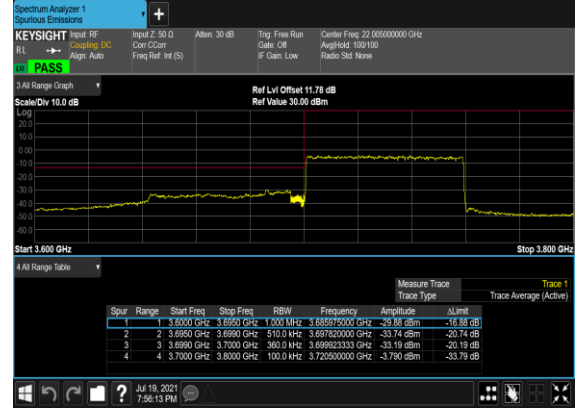## B2_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

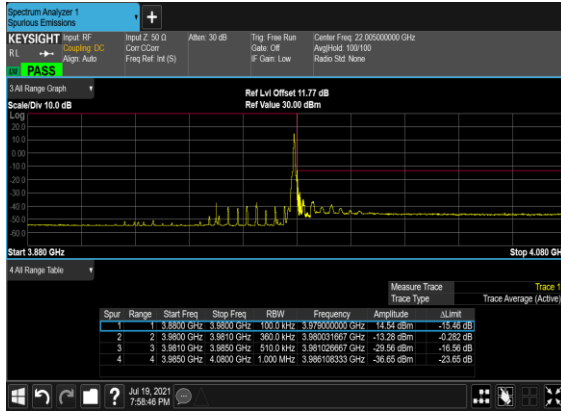## B2_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS

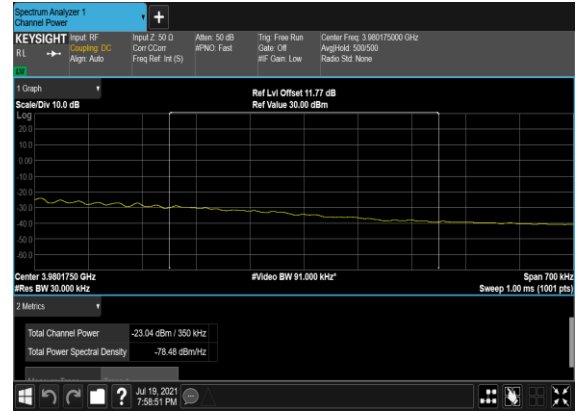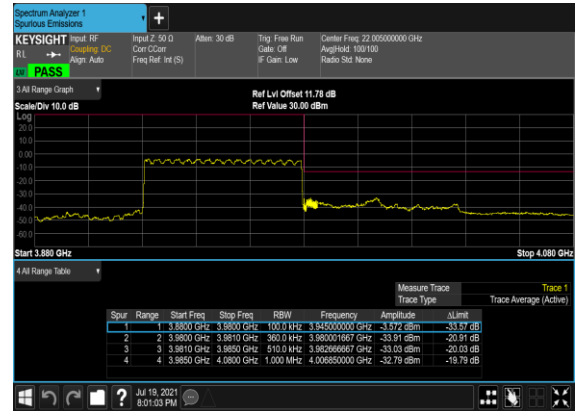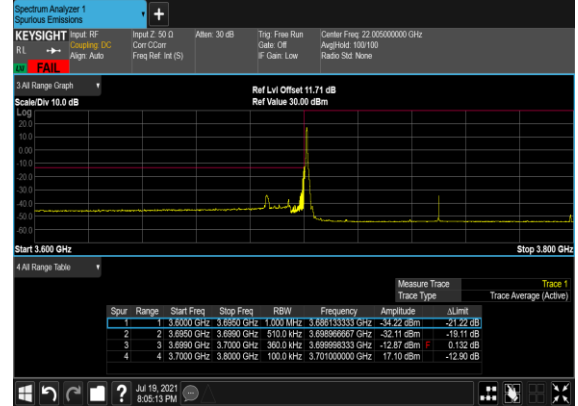## B2_N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

B2_N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.6000 GHz	3.6950 GHz	1.000 MHz	3.691833333 GHz	-31.61 dBm	-18.61 dB
2	2	3.6950 GHz	3.6990 GHz	510.0 kHz	3.695126667 GHz	-33.14 dBm	-20.14 dB
3	3	3.6990 GHz	3.7000 GHz	360.0 kHz	3.699991667 GHz	-34.84 dBm	-21.84 dB
4	4	3.7000 GHz	3.8000 GHz	100.0 kHz	3.702166667 GHz	-5.909 dBm	-35.91 dB

B2_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.8800 GHz	3.9800 GHz	100.0 kHz	3.979000000 GHz	16.66 dBm	-13.34 dB
2	2	3.9800 GHz	3.9810 GHz	360.0 kHz	3.980061667 GHz	-14.61 dBm	-1.609 dB
3	3	3.9810 GHz	3.9850 GHz	510.0 kHz	3.981226667 GHz	-32.08 dBm	-19.08 dB
4	4	3.9850 GHz	4.0800 GHz	1.000 MHz	3.986108333 GHz	-42.36 dBm	-29.36 dB

B2_N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CHP_PASS**

Total Channel Power   -23.21 dBm / 350 kHz

Total Power Spectral Density   -78.65 dBm/Hz

B2_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.8800 GHz	3.9800 GHz	100.0 kHz	3.978833333 GHz	17.32 dBm	-12.68 dB
2	2	3.9800 GHz	3.9810 GHz	360.0 kHz	3.980001667 GHz	-14.74 dBm	-1.744 dB
3	3	3.9810 GHz	3.9850 GHz	510.0 kHz	3.981006667 GHz	-32.11 dBm	-19.11 dB
4	4	3.9850 GHz	4.0800 GHz	1.000 MHz	3.985000000 GHz	-43.61 dBm	-30.61 dB

B2_N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**

Total Channel Power   -23.83 dBm / 350 kHz

Total Power Spectral Density   -79.27 dBm/Hz

B2_N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.8800 GHz	3.9800 GHz	100.0 kHz	3.921666667 GHz	-4.882 dBm	-34.88 dB
2	2	3.9800 GHz	3.9810 GHz	360.0 kHz	3.980115000 GHz	-35.50 dBm	-22.50 dB
3	3	3.9810 GHz	3.9850 GHz	510.0 kHz	3.984220000 GHz	-34.04 dBm	-21.04 dB
4	4	3.9850 GHz	4.0800 GHz	1.000 MHz	3.986741667 GHz	-33.95 dBm	-20.95 dB

B2_N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

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LTE Band: 5, LTE BW: 10M, LTE ARFCN: Mid

<Ant. 4>

Transmitter Conducted Output Power And EIRP, (GT - LC)=5.0dBi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	23.42	28.42	0.6950
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.49	28.49	0.7063
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	23.66	28.66	0.7345
77	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	23.48	28.48	0.7047
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	23.66	28.66	0.7345
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	23.67	28.67	0.7362
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	22.53	27.53	0.5662
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	22.86	27.86	0.6109
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	22.93	27.93	0.6209
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	21.14	26.14	0.4111
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	21.07	26.07	0.4046
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	21.31	26.31	0.4276
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	19.12	24.12	0.2582
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	19.15	24.15	0.2600
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	19.35	24.35	0.2723
77	30	100	650000	3750	CP-OFDM QPSK	137@68	22.13	27.13	0.5164
77	30	100	650000	3750	CP-OFDM QPSK	1@1	22.26	27.26	0.5321
77	30	100	650000	3750	CP-OFDM QPSK	1@271	22.31	27.31	0.5383
77	30	100	656000	3840	DFT-s-OFDM PI/2	135@67	23.76	28.76	0.7516

					BPSK				
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	23.57	28.57	0.7194
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@271	23.64	28.64	0.7311
77	30	100	656000	3840	DFT-s-OFDM QPSK	135@67	23.79	28.79	0.7568
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@1	23.64	28.64	0.7311
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@271	23.74	28.74	0.7482
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	135@67	23.02	28.02	0.6339
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@1	22.88	27.88	0.6138
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@271	22.91	27.91	0.6180
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	135@67	21.41	26.41	0.4375
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@1	21.21	26.21	0.4178
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@271	21.36	26.36	0.4325
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	135@67	19.49	24.49	0.2812
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@1	19.4	24.4	0.2754
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@271	19.59	24.59	0.2877
77	30	100	656000	3840	CP-OFDM QPSK	137@68	22.44	27.44	0.5546
77	30	100	656000	3840	CP-OFDM QPSK	1@1	22.33	27.33	0.5408
77	30	100	656000	3840	CP-OFDM QPSK	1@271	22.46	27.46	0.5572
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	135@67	23.73	28.73	0.7464
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@1	24.01	29.01	0.7962
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@271	22.97	27.97	0.6266
77	30	100	662000	3930	DFT-s-OFDM QPSK	135@67	23.69	28.69	0.7396
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@1	24.12	29.12	0.8166
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@271	23.05	28.05	0.6383
77	30	100	662000	3930	DFT-s-	135@67	22.82	27.82	0.6053

					OFDM 16 QAM				
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@1	23.31	28.31	0.6776
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@271	22.21	27.21	0.5260
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	135@67	21.36	26.36	0.4325
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@1	21.72	26.72	0.4699
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@271	20.69	25.69	0.3707
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	135@67	19.41	24.41	0.2761
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@1	19.79	24.79	0.3013
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@271	18.77	23.77	0.2382
77	30	100	662000	3930	CP-OFDM QPSK	137@68	22.34	27.34	0.5420
77	30	100	662000	3930	CP-OFDM QPSK	1@1	22.76	27.76	0.5970
77	30	100	662000	3930	CP-OFDM QPSK	1@271	21.65	26.65	0.4624

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<Ant. 4+5>

Transmitter Conducted Output Power And EIRP, all transmit signals are completely uncorrelated with each other, so Directional gain=5.0dBi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Ant4 Power(dBm)	Ant5 Power(dBm)	Combine Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	20	647334	3710.01	CP-OFDM QPSK	25@12	20.22	18.98	22.65	27.65	0.5827
77	30	20	647334	3710.01	CP-OFDM QPSK	1@1	20.37	19.21	22.84	27.84	0.6080
77	30	20	647334	3710.01	CP-OFDM QPSK	1@49	20.1	18.84	22.53	27.53	0.5657
77	30	20	647334	3710.01	CP-OFDM 16 QAM	25@12	19.76	18.49	22.18	27.18	0.5226
77	30	20	647334	3710.01	CP-OFDM 16 QAM	1@1	19.74	18.72	22.27	27.27	0.5334
77	30	20	647334	3710.01	CP-OFDM 16 QAM	1@49	19.62	18.36	22.05	27.05	0.5065
77	30	20	647334	3710.01	CP-OFDM 64 QAM	25@12	18.34	16.95	20.71	25.71	0.3724
77	30	20	647334	3710.01	CP-OFDM 64 QAM	1@1	18.2	17.05	20.67	25.67	0.3693
77	30	20	647334	3710.01	CP-OFDM 64 QAM	1@49	18.07	17.12	20.63	25.63	0.3657
77	30	20	647334	3710.01	CP-OFDM 256 QAM	25@12	15.16	14.06	17.66	22.66	0.1843
77	30	20	647334	3710.01	CP-OFDM 256 QAM	1@1	15.39	14.46	17.96	22.96	0.1977
77	30	20	647334	3710.01	CP-OFDM 256 QAM	1@49	15.09	14.02	17.60	22.60	0.1819
77	30	20	656000	3840	CP-OFDM QPSK	25@12	20.1	17.22	21.90	26.90	0.4903
77	30	20	656000	3840	CP-OFDM QPSK	1@1	20.59	17.63	22.37	27.37	0.5455
77	30	20	656000	3840	CP-OFDM QPSK	1@49	20.29	17.39	22.09	27.09	0.5114
77	30	20	656000	3840	CP-OFDM 16 QAM	25@12	19.72	16.78	21.50	26.50	0.4471
77	30	20	656000	3840	CP-OFDM 16 QAM	1@1	19.85	16.86	21.62	26.62	0.4590
77	30	20	656000	3840	CP-OFDM 16 QAM	1@49	20.01	16.95	21.75	26.75	0.4736
77	30	20	656000	3840	CP-OFDM 64 QAM	25@12	18.27	15.28	20.04	25.04	0.3190
77	30	20	656000	3840	CP-OFDM 64 QAM	1@1	18.21	15.73	20.15	25.15	0.3277
77	30	20	656000	3840	CP-OFDM 64 QAM	1@49	18.2	15.59	20.10	25.10	0.3235
77	30	20	656000	3840	CP-OFDM 256 QAM	25@12	15.29	12.43	17.10	22.10	0.1622
77	30	20	656000	3840	CP-OFDM 256 QAM	1@1	15.32	12.44	17.12	22.12	0.1631
77	30	20	656000	3840	CP-OFDM 256 QAM	1@49	15.4	12.55	17.22	22.22	0.1665
77	30	20	664666	3969.99	CP-OFDM QPSK	25@12	19.83	17.94	22.00	27.00	0.5009
77	30	20	664666	3969.99	CP-OFDM QPSK	1@1	20.19	18.02	22.25	27.25	0.5308
77	30	20	664666	3969.99	CP-OFDM QPSK	1@49	20.11	18.28	22.30	27.30	0.5372

77	30	20	664666	3969.99	CP-OFDM 16 QAM	25@12	19.42	17.52	21.58	26.58	0.4553
77	30	20	664666	3969.99	CP-OFDM 16 QAM	1@1	19.62	17.6	21.74	26.74	0.4717
77	30	20	664666	3969.99	CP-OFDM 16 QAM	1@49	19.71	17.83	21.88	26.88	0.4877
77	30	20	664666	3969.99	CP-OFDM 64 QAM	25@12	17.93	16.01	20.09	25.09	0.3225
77	30	20	664666	3969.99	CP-OFDM 64 QAM	1@1	18.04	16.19	20.22	25.22	0.3329
77	30	20	664666	3969.99	CP-OFDM 64 QAM	1@49	18.08	16.66	20.44	25.44	0.3498
77	30	20	664666	3969.99	CP-OFDM 256 QAM	25@12	14.98	12.91	17.08	22.08	0.1613
77	30	20	664666	3969.99	CP-OFDM 256 QAM	1@1	15.25	12.83	17.22	22.22	0.1666
77	30	20	664666	3969.99	CP-OFDM 256 QAM	1@49	15.14	13.09	17.25	22.25	0.1677
77	30	40	648000	3720	CP-OFDM QPSK	50@25	20.06	19	22.57	27.57	0.5718
77	30	40	648000	3720	CP-OFDM QPSK	1@1	20.55	19.41	23.03	28.03	0.6350
77	30	40	648000	3720	CP-OFDM QPSK	1@104	20.43	18.97	22.77	27.77	0.5986
77	30	40	648000	3720	CP-OFDM 16 QAM	50@25	19.82	18.6	22.26	27.26	0.5325
77	30	40	648000	3720	CP-OFDM 16 QAM	1@1	20.03	18.96	22.54	27.54	0.5673
77	30	40	648000	3720	CP-OFDM 16 QAM	1@104	19.81	18.52	22.22	27.22	0.5276
77	30	40	648000	3720	CP-OFDM 64 QAM	50@25	18.33	17.03	20.74	25.74	0.3749
77	30	40	648000	3720	CP-OFDM 64 QAM	1@1	18.32	17.48	20.93	25.93	0.3918
77	30	40	648000	3720	CP-OFDM 64 QAM	1@104	18.3	17.03	20.72	25.72	0.3734
77	30	40	648000	3720	CP-OFDM 256 QAM	50@25	15.3	14.05	17.73	22.73	0.1875
77	30	40	648000	3720	CP-OFDM 256 QAM	1@1	15.21	14.45	17.86	22.86	0.1931
77	30	40	648000	3720	CP-OFDM 256 QAM	1@104	15.37	13.75	17.65	22.65	0.1839
77	30	40	656000	3840	CP-OFDM QPSK	50@25	20.44	17.39	22.19	27.19	0.5233
77	30	40	656000	3840	CP-OFDM QPSK	1@1	20.68	17.94	22.53	27.53	0.5666
77	30	40	656000	3840	CP-OFDM QPSK	1@104	20.61	17.42	22.31	27.31	0.5385
77	30	40	656000	3840	CP-OFDM 16 QAM	50@25	19.95	16.98	21.72	26.72	0.4704
77	30	40	656000	3840	CP-OFDM 16 QAM	1@1	19.97	17.37	21.87	26.87	0.4866
77	30	40	656000	3840	CP-OFDM 16 QAM	1@104	20.21	17.12	21.94	26.94	0.4948
77	30	40	656000	3840	CP-OFDM 64 QAM	50@25	18.45	15.45	20.21	25.21	0.3322
77	30	40	656000	3840	CP-OFDM 64 QAM	1@1	18.58	15.98	20.48	25.48	0.3533
77	30	40	656000	3840	CP-OFDM 64 QAM	1@104	18.34	15.55	20.18	25.18	0.3293
77	30	40	656000	3840	CP-OFDM 256 QAM	50@25	15.53	12.46	17.27	22.27	0.1687
77	30	40	656000	3840	CP-OFDM 256 QAM	1@1	15.34	13.03	17.35	22.35	0.1717
77	30	40	656000	3840	CP-OFDM 256 QAM	1@104	15.41	12.61	17.24	22.24	0.1676
77	30	40	664000	3960	CP-OFDM QPSK	50@25	20.2	18.11	22.29	27.29	0.5358

77	30	40	664000	3960	CP-OFDM QPSK	1@1	20.66	18.31	22.65	27.65	0.5824
77	30	40	664000	3960	CP-OFDM QPSK	1@104	20.37	18.69	22.62	27.62	0.5782
77	30	40	664000	3960	CP-OFDM 16 QAM	50@25	19.74	17.52	21.78	26.78	0.4765
77	30	40	664000	3960	CP-OFDM 16 QAM	1@1	19.78	17.74	21.89	26.89	0.4885
77	30	40	664000	3960	CP-OFDM 16 QAM	1@104	19.85	18.08	22.06	27.06	0.5087
77	30	40	664000	3960	CP-OFDM 64 QAM	50@25	18.22	16.04	20.28	25.28	0.3370
77	30	40	664000	3960	CP-OFDM 64 QAM	1@1	18.44	16.18	20.47	25.47	0.3520
77	30	40	664000	3960	CP-OFDM 64 QAM	1@104	18.07	16.73	20.46	25.46	0.3517
77	30	40	664000	3960	CP-OFDM 256 QAM	50@25	15.27	13.04	17.31	22.31	0.1701
77	30	40	664000	3960	CP-OFDM 256 QAM	1@1	15.49	12.94	17.41	22.41	0.1742
77	30	40	664000	3960	CP-OFDM 256 QAM	1@104	15.15	13.48	17.41	22.41	0.1740
77	30	50	648334	3725.01	CP-OFDM QPSK	64@32	20.22	18.82	22.59	27.59	0.5737
77	30	50	648334	3725.01	CP-OFDM QPSK	1@1	20.41	19.17	22.84	27.84	0.6088
77	30	50	648334	3725.01	CP-OFDM QPSK	1@131	20.25	18.33	22.41	27.41	0.5502
77	30	50	648334	3725.01	CP-OFDM 16 QAM	64@32	19.77	18.36	22.13	27.13	0.5167
77	30	50	648334	3725.01	CP-OFDM 16 QAM	1@1	19.56	18.66	22.14	27.14	0.5180
77	30	50	648334	3725.01	CP-OFDM 16 QAM	1@131	19.87	17.88	22.00	27.00	0.5010
77	30	50	648334	3725.01	CP-OFDM 64 QAM	64@32	18.27	16.71	20.57	25.57	0.3606
77	30	50	648334	3725.01	CP-OFDM 64 QAM	1@1	18.23	17.22	20.76	25.76	0.3771
77	30	50	648334	3725.01	CP-OFDM 64 QAM	1@131	18.12	16.46	20.38	25.38	0.3451
77	30	50	648334	3725.01	CP-OFDM 256 QAM	64@32	15.12	13.79	17.52	22.52	0.1785
77	30	50	648334	3725.01	CP-OFDM 256 QAM	1@1	15.22	14.09	17.70	22.70	0.1863
77	30	50	648334	3725.01	CP-OFDM 256 QAM	1@131	15.24	13.36	17.41	22.41	0.1742
77	30	50	656000	3840	CP-OFDM QPSK	64@32	20.65	17.59	22.39	27.39	0.5488
77	30	50	656000	3840	CP-OFDM QPSK	1@1	20.84	17.96	22.64	27.64	0.5814
77	30	50	656000	3840	CP-OFDM QPSK	1@131	20.54	17.36	22.25	27.25	0.5303
77	30	50	656000	3840	CP-OFDM 16 QAM	64@32	20.21	17.06	21.92	26.92	0.4926
77	30	50	656000	3840	CP-OFDM 16 QAM	1@1	20.19	17.43	22.04	27.04	0.5054
77	30	50	656000	3840	CP-OFDM 16 QAM	1@131	19.85	16.8	21.60	26.60	0.4568
77	30	50	656000	3840	CP-OFDM 64 QAM	64@32	18.69	15.59	20.42	25.42	0.3484
77	30	50	656000	3840	CP-OFDM 64 QAM	1@1	18.41	15.98	20.37	25.37	0.3446
77	30	50	656000	3840	CP-OFDM 64 QAM	1@131	18.23	15.64	20.14	25.14	0.3263
77	30	50	656000	3840	CP-OFDM 256 QAM	64@32	15.63	12.57	17.37	22.37	0.1728
77	30	50	656000	3840	CP-OFDM 256 QAM	1@1	15.42	12.98	17.38	22.38	0.1730

77	30	50	656000	3840	CP-OFDM 256 QAM	1@131	15.44	12.52	17.23	22.23	0.1672
77	30	50	663666	3954.99	CP-OFDM QPSK	64@32	20.21	18.04	22.27	27.27	0.5333
77	30	50	663666	3954.99	CP-OFDM QPSK	1@1	20.8	18.32	22.74	27.74	0.5950
77	30	50	663666	3954.99	CP-OFDM QPSK	1@131	20.3	18.43	22.48	27.48	0.5591
77	30	50	663666	3954.99	CP-OFDM 16 QAM	64@32	19.77	17.54	21.81	26.81	0.4794
77	30	50	663666	3954.99	CP-OFDM 16 QAM	1@1	20.08	17.68	22.05	27.05	0.5075
77	30	50	663666	3954.99	CP-OFDM 16 QAM	1@131	19.73	17.69	21.84	26.84	0.4829
77	30	50	663666	3954.99	CP-OFDM 64 QAM	64@32	18.33	16.12	20.37	25.37	0.3447
77	30	50	663666	3954.99	CP-OFDM 64 QAM	1@1	18.41	16.29	20.49	25.49	0.3539
77	30	50	663666	3954.99	CP-OFDM 64 QAM	1@131	18.03	16.55	20.36	25.36	0.3438
77	30	50	663666	3954.99	CP-OFDM 256 QAM	64@32	15.15	12.73	17.12	22.12	0.1628
77	30	50	663666	3954.99	CP-OFDM 256 QAM	1@1	15.36	12.61	17.21	22.21	0.1663
77	30	50	663666	3954.99	CP-OFDM 256 QAM	1@131	14.91	13.12	17.12	22.12	0.1628
77	30	60	648668	3730.02	CP-OFDM QPSK	81@40	20.19	18.87	22.59	27.59	0.5742
77	30	60	648668	3730.02	CP-OFDM QPSK	1@1	20.48	19.49	23.02	28.02	0.6344
77	30	60	648668	3730.02	CP-OFDM QPSK	1@160	20.38	18.45	22.53	27.53	0.5665
77	30	60	648668	3730.02	CP-OFDM 16 QAM	81@40	19.78	18.42	22.16	27.16	0.5204
77	30	60	648668	3730.02	CP-OFDM 16 QAM	1@1	19.78	18.87	22.36	27.36	0.5444
77	30	60	648668	3730.02	CP-OFDM 16 QAM	1@160	19.67	17.92	21.89	26.89	0.4890
77	30	60	648668	3730.02	CP-OFDM 64 QAM	81@40	18.25	16.89	20.63	25.63	0.3659
77	30	60	648668	3730.02	CP-OFDM 64 QAM	1@1	18.05	17.54	20.81	25.81	0.3813
77	30	60	648668	3730.02	CP-OFDM 64 QAM	1@160	18.22	16.86	20.60	25.60	0.3634
77	30	60	648668	3730.02	CP-OFDM 256 QAM	81@40	15.23	13.79	17.58	22.58	0.1811
77	30	60	648668	3730.02	CP-OFDM 256 QAM	1@1	15.27	14.25	17.80	22.80	0.1906
77	30	60	648668	3730.02	CP-OFDM 256 QAM	1@160	15.26	13.28	17.39	22.39	0.1735
77	30	60	656000	3840	CP-OFDM QPSK	81@40	20.36	17.52	22.18	27.18	0.5222
77	30	60	656000	3840	CP-OFDM QPSK	1@1	20.37	18.12	22.40	27.40	0.5495
77	30	60	656000	3840	CP-OFDM QPSK	1@160	20.51	17.27	22.20	27.20	0.5243
77	30	60	656000	3840	CP-OFDM 16 QAM	81@40	19.73	16.94	21.57	26.57	0.4535
77	30	60	656000	3840	CP-OFDM 16 QAM	1@1	19.95	17.43	21.88	26.88	0.4876
77	30	60	656000	3840	CP-OFDM 16 QAM	1@160	19.87	16.66	21.57	26.57	0.4535
77	30	60	656000	3840	CP-OFDM 64 QAM	81@40	18.22	15.34	20.02	25.02	0.3180
77	30	60	656000	3840	CP-OFDM 64 QAM	1@1	18.41	16.15	20.44	25.44	0.3496
77	30	60	656000	3840	CP-OFDM 64 QAM	1@160	18.43	15.74	20.30	25.30	0.3389

77	30	60	656000	3840	CP-OFDM 256 QAM	81@40	15.26	12.45	17.09	22.09	0.1618
77	30	60	656000	3840	CP-OFDM 256 QAM	1@1	15.31	13.11	17.36	22.36	0.1721
77	30	60	656000	3840	CP-OFDM 256 QAM	1@160	15.23	12.39	17.05	22.05	0.1603
77	30	60	663332	3949.98	CP-OFDM QPSK	81@40	19.83	17.43	21.80	26.80	0.4791
77	30	60	663332	3949.98	CP-OFDM QPSK	1@1	20.37	17.53	22.19	27.19	0.5234
77	30	60	663332	3949.98	CP-OFDM QPSK	1@160	19.8	17.73	21.90	26.90	0.4895
77	30	60	663332	3949.98	CP-OFDM 16 QAM	81@40	19.41	16.97	21.37	26.37	0.4335
77	30	60	663332	3949.98	CP-OFDM 16 QAM	1@1	19.71	16.75	21.49	26.49	0.4454
77	30	60	663332	3949.98	CP-OFDM 16 QAM	1@160	19.35	17.53	21.54	26.54	0.4513
77	30	60	663332	3949.98	CP-OFDM 64 QAM	81@40	17.86	15.41	19.82	24.82	0.3031
77	30	60	663332	3949.98	CP-OFDM 64 QAM	1@1	18.11	15.44	19.99	24.99	0.3153
77	30	60	663332	3949.98	CP-OFDM 64 QAM	1@160	17.45	16.22	19.89	24.89	0.3082
77	30	60	663332	3949.98	CP-OFDM 256 QAM	81@40	14.97	12.43	16.89	21.89	0.1546
77	30	60	663332	3949.98	CP-OFDM 256 QAM	1@1	14.95	12.4	16.87	21.87	0.1538
77	30	60	663332	3949.98	CP-OFDM 256 QAM	1@160	14.79	13.02	17.00	22.00	0.1587
77	30	80	649334	3740.01	CP-OFDM QPSK	108@54	20.22	18.6	22.50	27.50	0.5617
77	30	80	649334	3740.01	CP-OFDM QPSK	1@1	20.48	19.35	22.96	27.96	0.6255
77	30	80	649334	3740.01	CP-OFDM QPSK	1@215	20.28	17.96	22.28	27.28	0.5350
77	30	80	649334	3740.01	CP-OFDM 16 QAM	108@54	19.77	18.29	22.10	27.10	0.5132
77	30	80	649334	3740.01	CP-OFDM 16 QAM	1@1	19.77	18.91	22.37	27.37	0.5460
77	30	80	649334	3740.01	CP-OFDM 16 QAM	1@215	19.93	17.27	21.81	26.81	0.4798
77	30	80	649334	3740.01	CP-OFDM 64 QAM	108@54	18.23	16.82	20.59	25.59	0.3624
77	30	80	649334	3740.01	CP-OFDM 64 QAM	1@1	18.19	17.45	20.85	25.85	0.3842
77	30	80	649334	3740.01	CP-OFDM 64 QAM	1@215	18.25	15.98	20.27	25.27	0.3367
77	30	80	649334	3740.01	CP-OFDM 256 QAM	108@54	15.24	13.66	17.53	22.53	0.1791
77	30	80	649334	3740.01	CP-OFDM 256 QAM	1@1	15.39	14.45	17.96	22.96	0.1975
77	30	80	649334	3740.01	CP-OFDM 256 QAM	1@215	15.17	13.01	17.23	22.23	0.1672
77	30	80	656000	3840	CP-OFDM QPSK	108@54	20.41	17.53	22.21	27.21	0.5266
77	30	80	656000	3840	CP-OFDM QPSK	1@1	20.84	18.58	22.87	27.87	0.6117
77	30	80	656000	3840	CP-OFDM QPSK	1@215	20.72	17.62	22.45	27.45	0.5561
77	30	80	656000	3840	CP-OFDM 16 QAM	108@54	19.94	17.1	21.76	26.76	0.4741
77	30	80	656000	3840	CP-OFDM 16 QAM	1@1	20.11	18.01	22.20	27.20	0.5243
77	30	80	656000	3840	CP-OFDM 16 QAM	1@215	19.85	17.08	21.69	26.69	0.4669
77	30	80	656000	3840	CP-OFDM 64 QAM	108@54	18.36	15.56	20.19	25.19	0.3305

77	30	80	656000	3840	CP-OFDM 64 QAM	1@1	18.48	16.43	20.59	25.59	0.3618
77	30	80	656000	3840	CP-OFDM 64 QAM	1@215	18.52	15.51	20.28	25.28	0.3374
77	30	80	656000	3840	CP-OFDM 256 QAM	108@54	15.4	12.61	17.24	22.24	0.1673
77	30	80	656000	3840	CP-OFDM 256 QAM	1@1	15.56	13.15	17.53	22.53	0.1791
77	30	80	656000	3840	CP-OFDM 256 QAM	1@215	15.36	12.66	17.23	22.23	0.1670
77	30	80	662666	3939.99	CP-OFDM QPSK	108@54	20.05	17.48	21.96	26.96	0.4969
77	30	80	662666	3939.99	CP-OFDM QPSK	1@1	20.43	17.18	22.11	27.11	0.5143
77	30	80	662666	3939.99	CP-OFDM QPSK	1@215	20.19	17.72	22.14	27.14	0.5174
77	30	80	662666	3939.99	CP-OFDM 16 QAM	108@54	19.87	17.14	21.73	26.73	0.4706
77	30	80	662666	3939.99	CP-OFDM 16 QAM	1@1	20.14	16.76	21.78	26.78	0.4766
77	30	80	662666	3939.99	CP-OFDM 16 QAM	1@215	20.2	17.05	21.91	26.91	0.4915
77	30	80	662666	3939.99	CP-OFDM 64 QAM	108@54	18.35	15.62	20.21	25.21	0.3316
77	30	80	662666	3939.99	CP-OFDM 64 QAM	1@1	18.36	15.53	20.18	25.18	0.3298
77	30	80	662666	3939.99	CP-OFDM 64 QAM	1@215	18.42	15.61	20.25	25.25	0.3349
77	30	80	662666	3939.99	CP-OFDM 256 QAM	108@54	15.25	12.54	17.11	22.11	0.1627
77	30	80	662666	3939.99	CP-OFDM 256 QAM	1@1	15.34	12.4	17.12	22.12	0.1631
77	30	80	662666	3939.99	CP-OFDM 256 QAM	1@215	15.41	12.96	17.37	22.37	0.1724
77	30	90	649668	3745.02	CP-OFDM QPSK	120@60	20.32	18.73	22.61	27.61	0.5765
77	30	90	649668	3745.02	CP-OFDM QPSK	1@1	20.75	19.56	23.21	28.21	0.6616
77	30	90	649668	3745.02	CP-OFDM QPSK	1@243	20.6	17.65	22.38	27.38	0.5472
77	30	90	649668	3745.02	CP-OFDM 16 QAM	120@60	19.91	18.22	22.16	27.16	0.5196
77	30	90	649668	3745.02	CP-OFDM 16 QAM	1@1	20.11	18.87	22.54	27.54	0.5681
77	30	90	649668	3745.02	CP-OFDM 16 QAM	1@243	20.03	17.02	21.79	26.79	0.4776
77	30	90	649668	3745.02	CP-OFDM 64 QAM	120@60	18.41	16.74	20.67	25.67	0.3686
77	30	90	649668	3745.02	CP-OFDM 64 QAM	1@1	18.41	17.81	21.13	26.13	0.4103
77	30	90	649668	3745.02	CP-OFDM 64 QAM	1@243	18.42	15.9	20.35	25.35	0.3428
77	30	90	649668	3745.02	CP-OFDM 256 QAM	120@60	15.42	13.56	17.60	22.60	0.1819
77	30	90	649668	3745.02	CP-OFDM 256 QAM	1@1	15.36	14.22	17.84	22.84	0.1922
77	30	90	649668	3745.02	CP-OFDM 256 QAM	1@243	15.42	12.88	17.34	22.34	0.1715
77	30	90	656000	3840	CP-OFDM QPSK	120@60	20.52	17.68	22.34	27.34	0.5418
77	30	90	656000	3840	CP-OFDM QPSK	1@1	20.7	18.55	22.77	27.77	0.5980
77	30	90	656000	3840	CP-OFDM QPSK	1@243	20.61	17.41	22.31	27.31	0.5381
77	30	90	656000	3840	CP-OFDM 16 QAM	120@60	20.11	17.12	21.88	26.88	0.4873
77	30	90	656000	3840	CP-OFDM 16 QAM	1@1	20.42	17.95	22.37	27.37	0.5456

77	30	90	656000	3840	CP-OFDM 16 QAM	1@243	20.1	16.87	21.79	26.79	0.4774
77	30	90	656000	3840	CP-OFDM 64 QAM	120@60	18.47	15.68	20.31	25.31	0.3393
77	30	90	656000	3840	CP-OFDM 64 QAM	1@1	18.74	16.76	20.87	25.87	0.3866
77	30	90	656000	3840	CP-OFDM 64 QAM	1@243	18.37	15.5	20.18	25.18	0.3295
77	30	90	656000	3840	CP-OFDM 256 QAM	120@60	15.46	12.52	17.24	22.24	0.1677
77	30	90	656000	3840	CP-OFDM 256 QAM	1@1	15.64	13.57	17.74	22.74	0.1878
77	30	90	656000	3840	CP-OFDM 256 QAM	1@243	15.28	12.48	17.11	22.11	0.1626
77	30	90	662332	3934.98	CP-OFDM QPSK	120@60	20.06	17.43	21.95	26.95	0.4956
77	30	90	662332	3934.98	CP-OFDM QPSK	1@1	20.46	17.33	22.18	27.18	0.5226
77	30	90	662332	3934.98	CP-OFDM QPSK	1@243	19.81	17.75	21.91	26.91	0.4911
77	30	90	662332	3934.98	CP-OFDM 16 QAM	120@60	19.58	16.98	21.48	26.48	0.4448
77	30	90	662332	3934.98	CP-OFDM 16 QAM	1@1	19.84	16.56	21.51	26.51	0.4480
77	30	90	662332	3934.98	CP-OFDM 16 QAM	1@243	19.28	17.11	21.34	26.34	0.4305
77	30	90	662332	3934.98	CP-OFDM 64 QAM	120@60	18.07	15.47	19.97	24.97	0.3142
77	30	90	662332	3934.98	CP-OFDM 64 QAM	1@1	18.25	15.45	20.08	25.08	0.3223
77	30	90	662332	3934.98	CP-OFDM 64 QAM	1@243	17.49	15.99	19.81	24.81	0.3030
77	30	90	662332	3934.98	CP-OFDM 256 QAM	120@60	15.22	12.44	17.06	22.06	0.1607
77	30	90	662332	3934.98	CP-OFDM 256 QAM	1@1	15.3	12.21	17.03	22.03	0.1598
77	30	90	662332	3934.98	CP-OFDM 256 QAM	1@243	14.61	13.07	16.92	21.92	0.1555
77	30	100	650000	3750	CP-OFDM QPSK	135@67	20.16	18.55	22.44	27.44	0.5546
77	30	100	650000	3750	CP-OFDM QPSK	1@1	20.55	19.44	23.04	28.04	0.6369
77	30	100	650000	3750	CP-OFDM QPSK	1@271	20.48	17.5	22.25	27.25	0.5310
77	30	100	650000	3750	CP-OFDM 16 QAM	135@67	19.75	18.08	22.01	27.01	0.5018
77	30	100	650000	3750	CP-OFDM 16 QAM	1@1	19.99	18.89	22.49	27.49	0.5604
77	30	100	650000	3750	CP-OFDM 16 QAM	1@271	20.19	16.71	21.80	26.80	0.4786
77	30	100	650000	3750	CP-OFDM 64 QAM	135@67	18.16	16.59	20.46	25.46	0.3512
77	30	100	650000	3750	CP-OFDM 64 QAM	1@1	18.34	17.59	20.99	25.99	0.3973
77	30	100	650000	3750	CP-OFDM 64 QAM	1@271	18.3	15.58	20.16	25.16	0.3281
77	30	100	650000	3750	CP-OFDM 256 QAM	135@67	15.13	13.44	17.38	22.38	0.1729
77	30	100	650000	3750	CP-OFDM 256 QAM	1@1	15.27	14.07	17.72	22.72	0.1871
77	30	100	650000	3750	CP-OFDM 256 QAM	1@271	15.34	12.46	17.14	22.14	0.1639
77	30	100	656000	3840	CP-OFDM QPSK	135@67	20.22	17.51	22.08	27.08	0.5109
77	30	100	656000	3840	CP-OFDM QPSK	1@1	20.76	18.67	22.85	27.85	0.6095
77	30	100	656000	3840	CP-OFDM QPSK	1@271	20.84	17.45	22.48	27.48	0.5595

77	30	100	656000	3840	CP-OFDM 16 QAM	135@67	19.85	17.09	21.70	26.70	0.4673
77	30	100	656000	3840	CP-OFDM 16 QAM	1@1	20.05	18.19	22.23	27.23	0.5283
77	30	100	656000	3840	CP-OFDM 16 QAM	1@271	20.14	16.83	21.80	26.80	0.4790
77	30	100	656000	3840	CP-OFDM 64 QAM	135@67	18.53	15.63	20.33	25.33	0.3410
77	30	100	656000	3840	CP-OFDM 64 QAM	1@1	18.56	16.78	20.77	25.77	0.3776
77	30	100	656000	3840	CP-OFDM 64 QAM	1@271	18.43	15.58	20.25	25.25	0.3346
77	30	100	656000	3840	CP-OFDM 256 QAM	135@67	15.51	12.58	17.30	22.30	0.1697
77	30	100	656000	3840	CP-OFDM 256 QAM	1@1	15.41	13.75	17.67	22.67	0.1849
77	30	100	656000	3840	CP-OFDM 256 QAM	1@271	15.46	12.35	17.19	22.19	0.1655
77	30	100	662000	3930	CP-OFDM QPSK	135@67	20.13	17.44	22.00	27.00	0.5012
77	30	100	662000	3930	CP-OFDM QPSK	1@1	20.41	17.34	22.15	27.15	0.5189
77	30	100	662000	3930	CP-OFDM QPSK	1@271	19.82	17.95	22.00	27.00	0.5006
77	30	100	662000	3930	CP-OFDM 16 QAM	135@67	19.64	16.95	21.51	26.51	0.4477
77	30	100	662000	3930	CP-OFDM 16 QAM	1@1	19.97	16.67	21.64	26.64	0.4609
77	30	100	662000	3930	CP-OFDM 16 QAM	1@271	19.41	17.44	21.55	26.55	0.4514
77	30	100	662000	3930	CP-OFDM 64 QAM	135@67	18.19	15.47	20.05	25.05	0.3199
77	30	100	662000	3930	CP-OFDM 64 QAM	1@1	18.18	15.54	20.07	25.07	0.3212
77	30	100	662000	3930	CP-OFDM 64 QAM	1@271	17.66	16.02	19.93	24.93	0.3110
77	30	100	662000	3930	CP-OFDM 256 QAM	135@67	15.13	12.46	17.01	22.01	0.1588
77	30	100	662000	3930	CP-OFDM 256 QAM	1@1	15.28	12.38	17.08	22.08	0.1614
77	30	100	662000	3930	CP-OFDM 256 QAM	1@271	14.79	13.01	17.00	22.00	0.1585

5G NR n77 UL-MIMO

Peak-to-Average Ratio

Mode	5G NR UL-MIMO n77 / 20MHz / CP-OFDM (Ant4)				
Mod.	QPSK	QPSK			Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	7.25	7.62			
Middle CH	7.42	7.77			PASS
Highest CH	7.07	7.33			

Mode	5G NR UL-MIMO n77 / 20MHz / CP-OFDM (Ant5)				
Mod.	QPSK	QPSK			Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.97	7.01			
Middle CH	6.29	7.22			PASS
Highest CH	5.74	6.46			