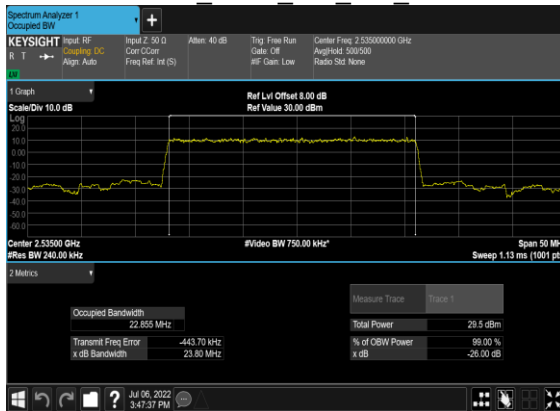
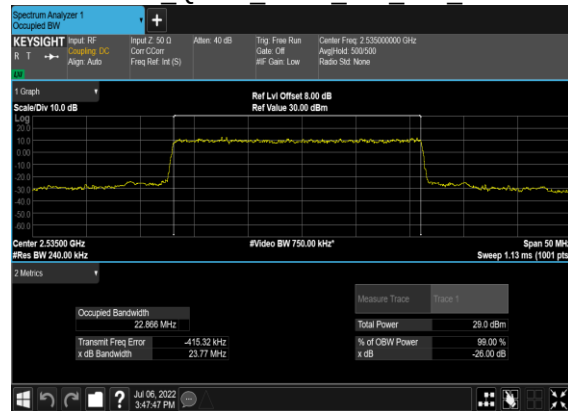


N7(25M)_DFT-s-OFDM_PI_2-
BPSK Outer Full Mid CH



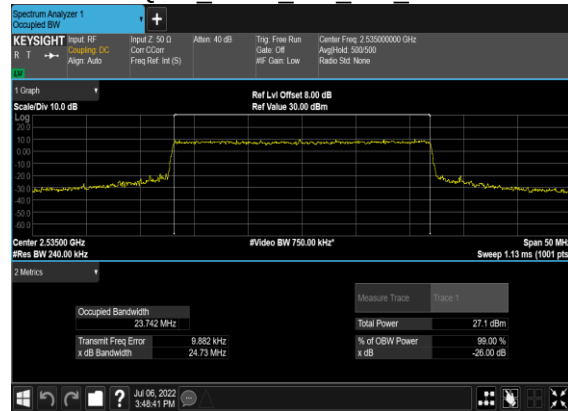
N7(25M)_DFT-s-
OFDM QPSK Outer Full Mid CH



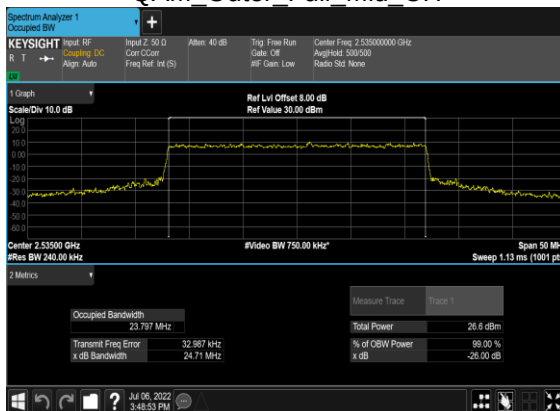
N7(25M)_CP-
OFDM QPSK Outer Full Mid CH



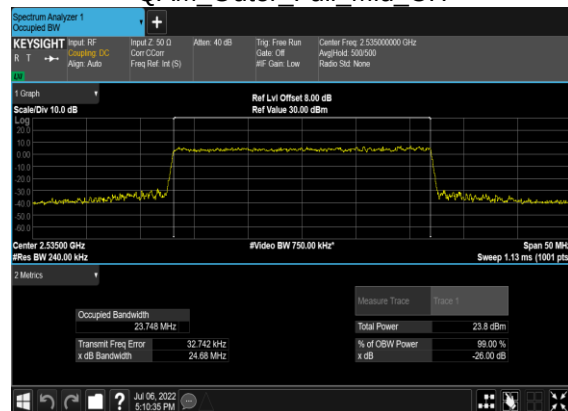
N7(25M)_CP-OFDM_16
QAM Outer Full Mid CH



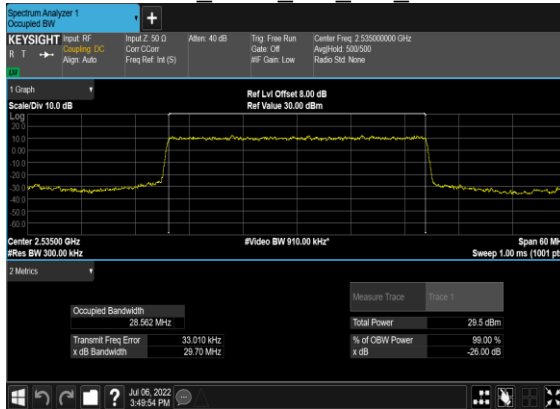
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QAM Outer Full Mid CH



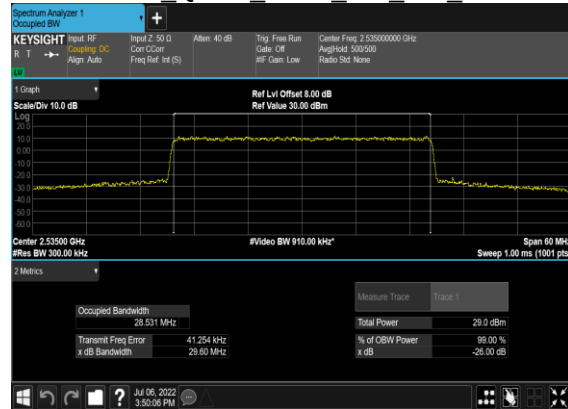
N7(25M)_CP-OFDM_256
QAM Outer Full Mid CH



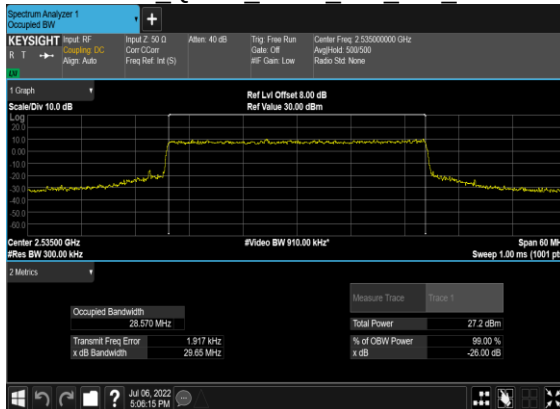
N7(30M)_DFT-s-OFDM_PI_2-
BPSK Outer Full Mid CH



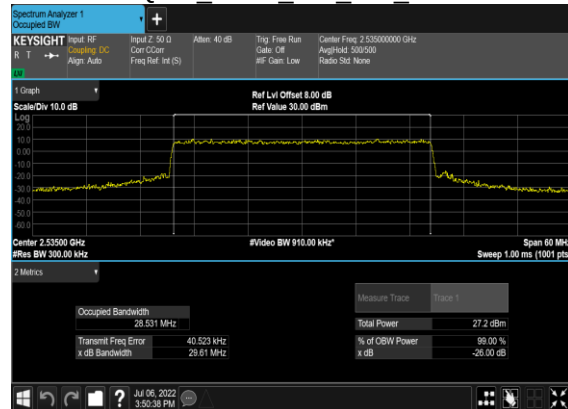
N7(30M)_DFT-s-
OFDM QPSK Outer Full Mid CH



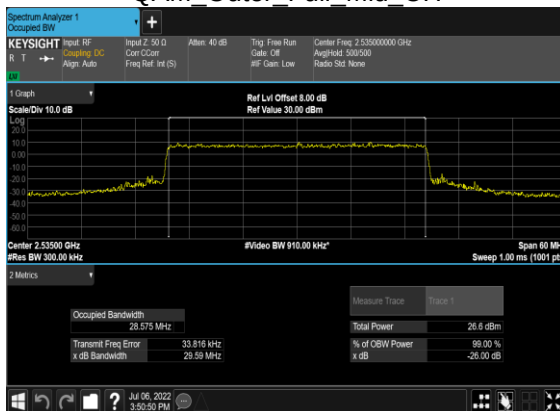
N7(30M)_CP-
OFDM QPSK Outer Full Mid CH



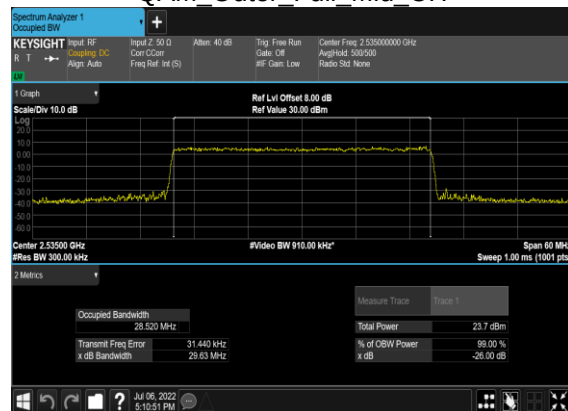
N7(30M)_CP-OFDM_16
QAM Outer Full Mid CH



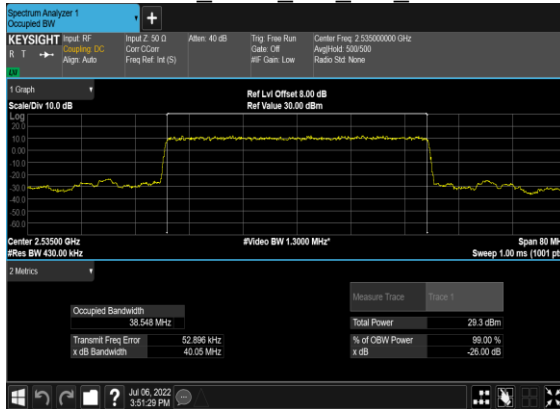
N7(30M)_CP-OFDM_64
QAM Outer Full Mid CH



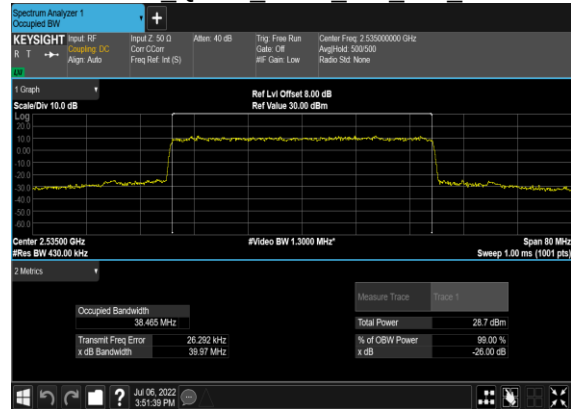
N7(30M)_CP-OFDM_256
QAM Outer Full Mid CH



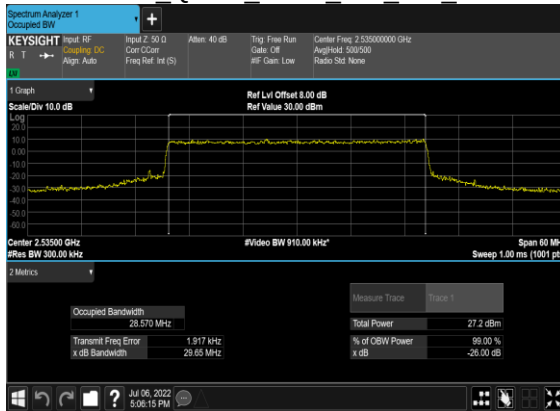
N7(40M)_DFT-s-OFDM_PI_2-
BPSK Outer Full Mid CH



N7(40M)_DFT-s-
OFDM QPSK Outer Full Mid CH



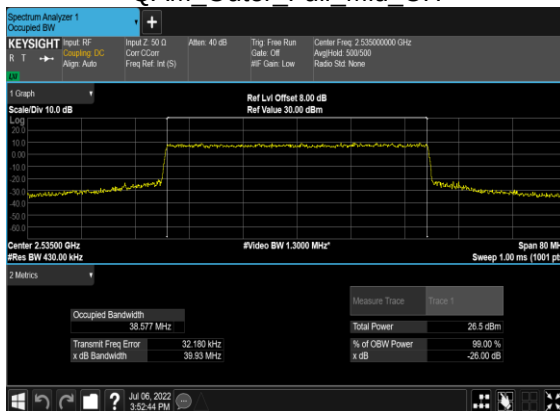
N7(40M)_CP-
OFDM QPSK Outer Full Mid CH



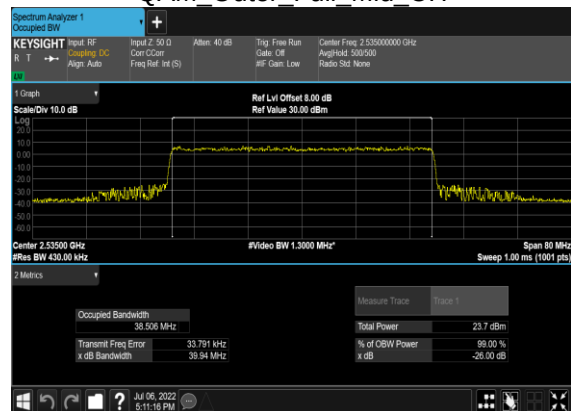
N7(40M)_CP-OFDM_16
QAM Outer Full Mid CH



N7(40M)_CP-OFDM_64
QAM Outer Full Mid CH



N7(40M)_CP-OFDM_256
QAM Outer Full Mid CH



Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
7	15	5	524500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	5	524500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	524500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	524500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	5	524500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	524500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	531000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	5	531000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	531000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	531000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	5	531000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	531000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	537500	2567.5	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	5	537500	2567.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	537500	2567.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	537500	2567.5	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	5	537500	2567.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	537500	2567.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	526000	2510.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	20	526000	2510.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	526000	2510.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	526000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	---

7	15	20	526000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	526000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	531000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	20	531000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	531000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	536000	2560.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	20	536000	2560.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	536000	2560.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	536000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	20	536000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	536000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	528000	2520.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	40	528000	2520.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	528000	2520.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	528000	2520.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	40	528000	2520.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	528000	2520.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	531000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	40	531000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	531000	2535.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	531000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	---

7	15	40	531000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	531000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	534000	2550.0	DFT-s-OFDM BPSK	1@0	see graph	---
7	15	40	534000	2550.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	534000	2550.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	534000	2550.0	DFT-s-OFDM QPSK	1@0	see graph	---
7	15	40	534000	2550.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	534000	2550.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

N7(5M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



N7(5M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



N7(5M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



N7(5M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



N7(5M)_DFT-s-OFDM BPSK Edge 1RB Left Mid CH



N7(5M)_DFT-s-OFDM BPSK Edge 1RB Left Mid CH



N7(5M)_DFT-s-
OFDM QPSK Edge 1RB Left Mid CH



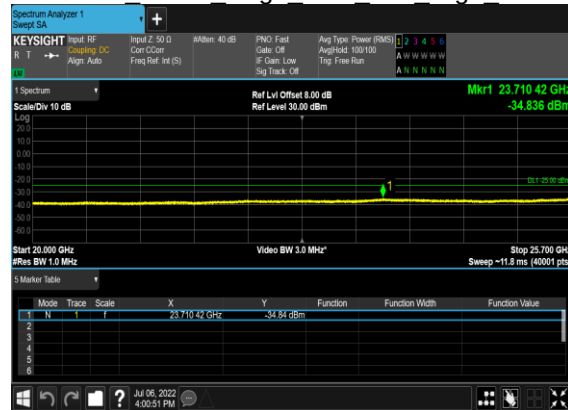
N7(5M)_DFT-s-
OFDM QPSK Edge 1RB Left Mid CH



N7(5M)_DFT-s-
OFDM BPSK Edge 1RB Left High CH



N7(5M)_DFT-s-
OFDM BPSK Edge 1RB Left High CH



N7(5M)_DFT-s-
OFDM QPSK Edge 1RB Left High CH



N7(5M)_DFT-s-
OFDM QPSK Edge 1RB Left High CH



N7(20M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



N7(20M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



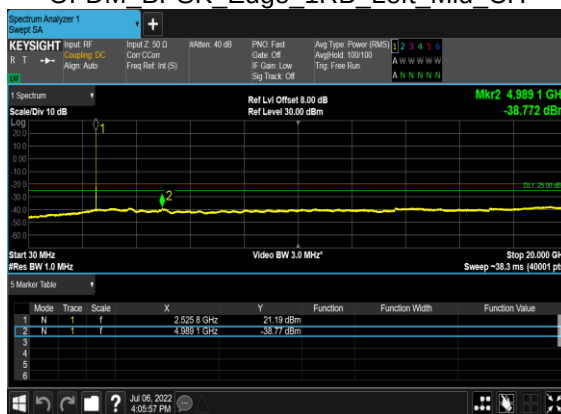
N7(20M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



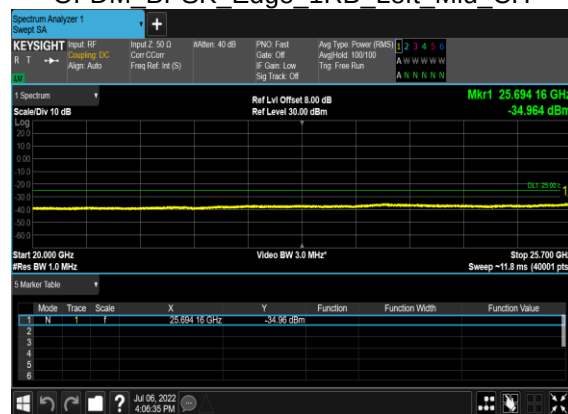
N7(20M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



N7(20M)_DFT-s-OFDM BPSK Edge 1RB Left Mid CH



N7(20M)_DFT-s-OFDM BPSK Edge 1RB Left Mid CH



N7(20M)_DFT-s-
OFDM QPSK Edge 1RB Left Mid CH



N7(20M)_DFT-s-
OFDM QPSK Edge 1RB Left Mid CH



N7(20M)_DFT-s-
OFDM BPSK Edge 1RB Left High CH



N7(20M)_DFT-s-
OFDM BPSK Edge 1RB Left High CH



N7(20M)_DFT-s-
OFDM QPSK Edge 1RB Left High CH



N7(20M)_DFT-s-
OFDM QPSK Edge 1RB Left High CH



N7(40M)_DFT-s-
OFDM BPSK Edge 1RB Left Low CH



N7(40M)_DFT-s-
OFDM BPSK Edge 1RB Left Low CH



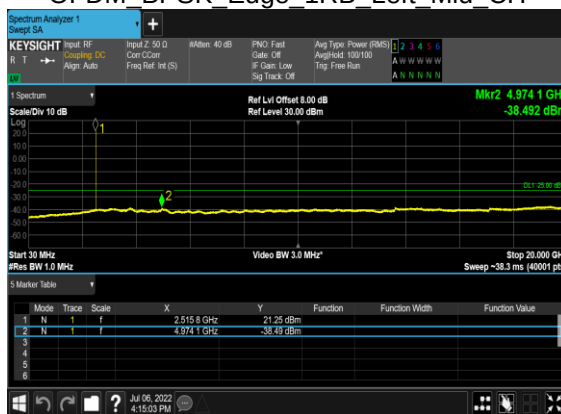
N7(40M)_DFT-s-
OFDM QPSK Edge 1RB Left Low CH



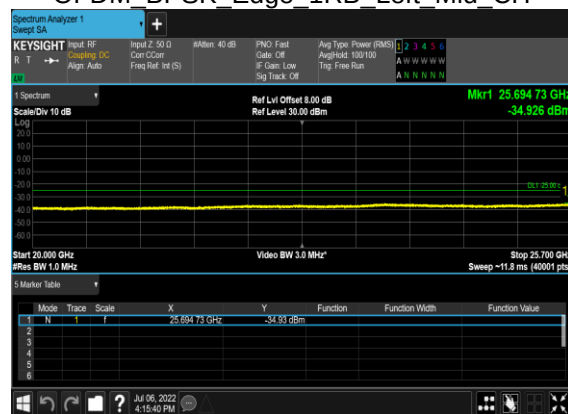
N7(40M)_DFT-s-
OFDM QPSK Edge 1RB Left Low CH



N7(40M)_DFT-s-
OFDM BPSK Edge 1RB Left Mid CH



N7(40M)_DFT-s-
OFDM BPSK Edge 1RB Left Mid CH



N7(40M)_DFT-s-
OFDM QPSK Edge 1RB Left Mid CH



N7(40M)_DFT-s-
OFDM QPSK Edge 1RB Left Mid CH



N7(40M)_DFT-s-
OFDM BPSK Edge 1RB Left High CH



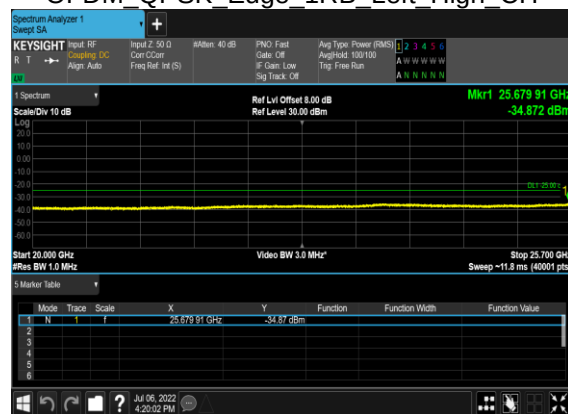
N7(40M)_DFT-s-
OFDM BPSK Edge 1RB Left High CH



N7(40M)_DFT-s-
OFDM QPSK Edge 1RB Left High CH



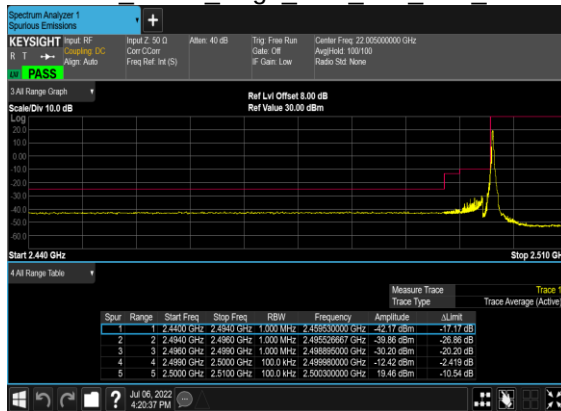
N7(40M)_DFT-s-
OFDM QPSK Edge 1RB Left High CH



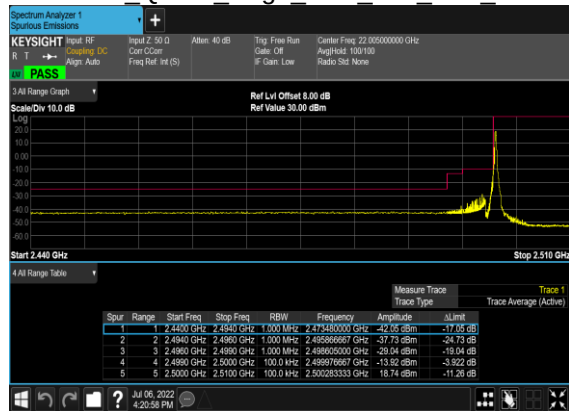
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
7	15	5	524500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	524500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	524500	2502.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
7	15	5	524500	2502.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
7	15	5	537500	2567.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
7	15	5	537500	2567.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
7	15	5	537500	2567.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
7	15	5	537500	2567.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
7	15	20	526000	2510.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	20	526000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	20	526000	2510.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
7	15	20	526000	2510.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
7	15	20	536000	2560.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
7	15	20	536000	2560.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
7	15	20	536000	2560.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
7	15	20	536000	2560.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
7	15	40	528000	2520.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	40	528000	2520.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	40	528000	2520.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
7	15	40	528000	2520.0	DFT-s-OFDM QPSK	216@0	see graph	PASS
7	15	40	534000	2550.0	DFT-s-OFDM BPSK	1@215	see graph	PASS
7	15	40	534000	2550.0	DFT-s-OFDM QPSK	1@215	see graph	PASS
7	15	40	534000	2550.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
7	15	40	534000	2550.0	DFT-s-OFDM QPSK	216@0	see graph	PASS

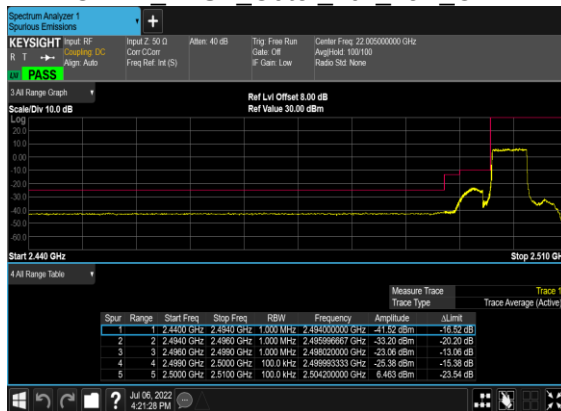
N7(5M)_DFT-s-
OFDM BPSK Edge 1RB Left Low CH



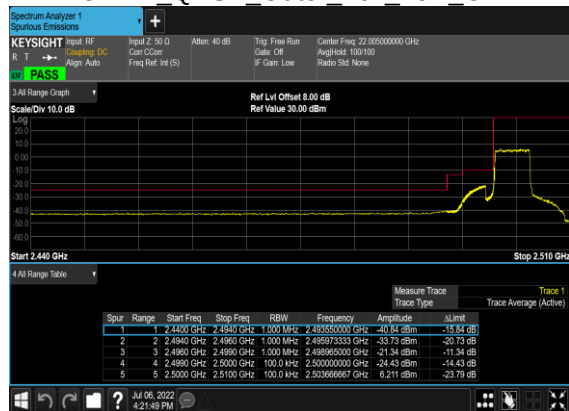
N7(5M)_DFT-s-
OFDM QPSK Edge 1RB Left Low CH



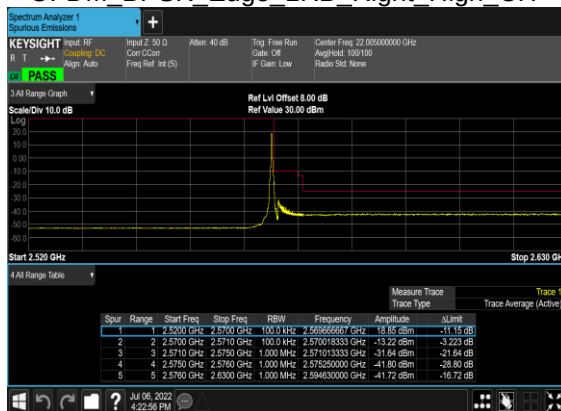
N7(5M)_DFT-s-
OFDM BPSK Outer Full Low CH



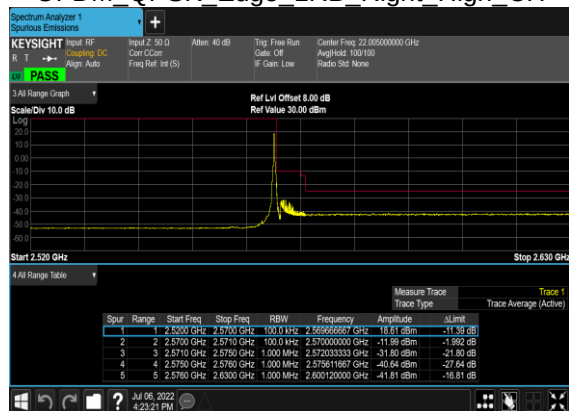
N7(5M)_DFT-s-
OFDM QPSK Outer Full Low CH



N7(5M)_DFT-s-
OFDM BPSK Edge 1RB Right High CH



N7(5M)_DFT-s-
OFDM QPSK Edge 1RB Right High CH



Keysight Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input RF
R T $\leftrightarrow$ **Calibrating DC**
Align Auto

OK PASS

3 All Range Graph
Scale/Div 10.0 dB
Log
Start 2.520 GHz
4 All Range Table
Stop 2.630 GHz

Input Z: 50 Ω
Center Freq 22.00000000 GHz
Ref Level Offset 8.00 dB
Ref Value 30.00 dBm

Trig Freq Run
Chan Off
IF Gain: Low
Rxn3 Stop Noise

2.570 GHz -24.83 dBm

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.5200 GHz	2.5700 GHz	100.11 kHz	2.5700516667 GHz	-24.83 dBm	-24.83 dB
2	2	2.5700 GHz	2.5710 GHz	100.0 kHz	2.570066667 GHz	-24.71 dBm	-14.71 dB
3	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.572530000 GHz	-23.01 dBm	-13.01 dB
4	4	2.5750 GHz	2.5780 GHz	1.000 MHz	2.576918333 GHz	-26.82 dBm	-26.82 dB
5	5	2.5780 GHz	2.6300 GHz	1.000 MHz	2.578600000 GHz	-40.06 dBm	-15.06 dB

Trace Type: Measure Trace
Trace Average (Active)

Jul 06, 2022
4:23:47 PM

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input RF
R T → **Passing DC**
→ **Auto** **Auto**
Low PASS

Input Z: 50 Ω
Port Conn: Coax
Freq Ref: 10 (s)
Att: 40 dB
Trig: Free Run
Ch: Off
RF Gain: Low
Center Freq: 22.05000000 GHz
Amp/Hz: 100/100
Radio Set: None

3 All Range Graph
Scale/Div 10.0 dB
Log
Start 2.520 GHz
Stop 2.630 GHz
Ref Lvl Offset: 8.00 dB
Ref Value 30.00 dBm

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Alt
1	1	2.5200 GHz	2.5700 GHz	100.0 MHz	2.565000000 GHz	5.93 dBm	-24.07 dB
2	2	2.5700 GHz	2.5710 GHz	100.0 MHz	2.570033333 GHz	-24.60 dBm	-14.60 dB
3	3	2.5710 GHz	2.5780 GHz	1.000 MHz	2.574020000 GHz	-21.00 dBm	-11.00 dB
4	4	2.5780 GHz	2.5790 GHz	1.000 MHz	2.578500000 GHz	-37.32 dBm	-24.32 dB
5	5	2.5790 GHz	2.6300 GHz	1.000 MHz	2.579500000 GHz	-39.58 dBm	-14.58 dB

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

Jul 06, 2022
4:24:13 PM

Keysight Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input RF
R T $\leftrightarrow$ Locking DC
Align Auto

Input Z: 50 Ω
Port C: Ctx
Freq Ref: Hz (s)

Att: 40 dB

Trig: Free Run
Gate: Off
IF Gain: Low

Center Freq: 22.00050000 GHz
AegHz4: 1000/100
Radio Std: None

PASS

3.48 Range Graph

Scale/Div: 10.0 dB

Log

Start 2.440 GHz

4.81 Range Table

Ref Lvl Offset: 8.00 dBm
Ref Value: 30.00 dBm

Stop 2.510 GHz

Measure Trace
Trace Type

Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	dBm
1	2	2.4400 GHz	2.4500 GHz	1.000 MHz	2.450726907 GHz	-42.80 dBm	-17.30 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.495981667 GHz	-41.85 dBm	-28.85 dB
3	3	2.4900 GHz	2.4990 GHz	1.000 MHz	2.498900000 GHz	-34.41 dBm	-24.41 dB
4	4	2.4990 GHz	2.5000 GHz	43.0 MHz	2.499983333 GHz	-11.28 dBm	-1.28 dB
5	5	2.5000 GHz	2.5100 GHz	1.000 MHz	2.500516667 GHz	19.37 dBm	-10.63 dB

Jul 06, 2022
4:25:47 PM

Spectrum Analyzer 1
Spectrum Emulators 1

KEYSIGHT Input: RF Output: DC
R T Auto Auto Auto
Use PASS

3 dB Range Graph
Scale Div 10.0 dB
Log

Start 2.440 GHz Stop 2.510 GHz

4 All Range Table

Measure Trace
Trace Type Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	dBm
1	2	2.4400 GHz	2.4500 GHz	1.000 MHz	2.457725200 GHz	-24.58 dBm	-17.63 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.495734167 GHz	-42.00 dBm	-29.00 dB
3	3	2.4860 GHz	2.4960 GHz	1.000 MHz	2.489825000 GHz	-34.85 dBm	-24.85 dB
4	4	2.4960 GHz	2.5000 GHz	430.0 kHz	2.499968333 GHz	-12.58 dBm	-2.04 dB
5	5	2.5000 GHz	2.5100 GHz	1.000 MHz	2.500596667 GHz	-18.61 dBm	-11.39 dB

Jul 06, 2022
4:27:12 PM

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input RF
R T → Creating DC
Align Auto

Input Z: 50 Ω
Port Corr
Freq Ref In (s)

Att'n: 40 dB

Trig: Free Run
Gate Off
IF Gain: Low

Center Freq: 22.00000000 GHz
Amp/Hz: 100/10
Radio Std: None

dB PASS

3 dB Range Graph

Scale/Div: 10.0 dB

Log

Ref Lvl: Offset: 0.00 dB
Ref Value: 30.00 dBm

Start: 2.440 GHz

Stop: 2.510 GHz

4 All Range Table

Measure Trace
Trace Type
Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Altitude
1	2	2.4200 GHz	2.4950 GHz	1.000 MHz	2.430000000 GHz	-31.90 dBm	-31.90 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.490675000 GHz	-30.25 dBm	-17.25 dB
3	3	2.4960 GHz	2.4960 GHz	1.000 MHz	2.498950000 GHz	-26.27 dBm	-16.27 dB
4	4	2.4960 GHz	2.5000 GHz	430.0 kHz	2.499983333 GHz	-27.05 dBm	-17.05 dB
5	5	2.5000 GHz	2.5100 GHz	100.0 kHz	2.508150000 GHz	-6.70 dBm	-26.38 dB

Jul 06, 2022
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Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF
R 1 → Coupling: DC
Algo: Auto

Input 2: 50.0
Cen CCoar
Freq Ref: 1st (S)

Att: 40 dB

Trp Freq Run
Gate Off
IF Gain: Low

Center Freq: 22.05000000 GHz
Amp/Hz: 100/100
Radio Std: None

3.6A Range Graph

Scale Div 10.0 dB

Ref Level Offset 8.00 dB
Ref Value 33.08 dBm

Start 2.440 GHz

Stop 2.510 GHz

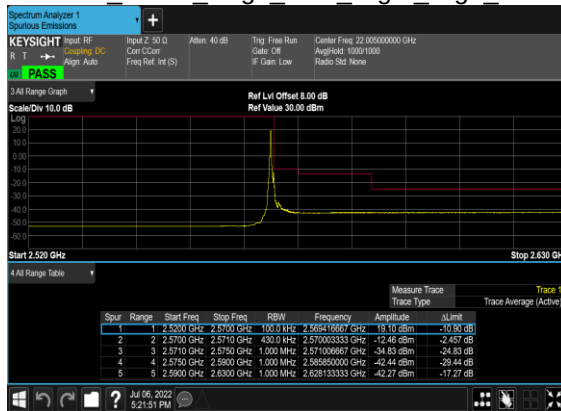
4 AII Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	dBm
2	2.42000 GHz to 2.49500 GHz	2.49500 GHz	1.000 MHz	2.492415931 GHz	-21.31 dBm	-21.924 dB	
2	2.49050 GHz to 2.49800 GHz	2.49800 GHz	1.000 MHz	2.4959504167 GHz	-27.81 dBm	-14.81 dB	
3	2.49800 GHz to 2.49800 GHz	2.49800 GHz	1.000 MHz	2.4989595000 GHz	-24.44 dBm	-14.44 dB	
4	2.49800 GHz to 2.50000 GHz	2.50000 GHz	430.0 kHz	2.4999393333 GHz	-25.43 dBm	-15.43 dB	
5	2.50000 GHz to 2.51000 GHz	2.51000 GHz	100.0 kHz	2.5073933333 GHz	-30.02 dBm	-30.09 dB	

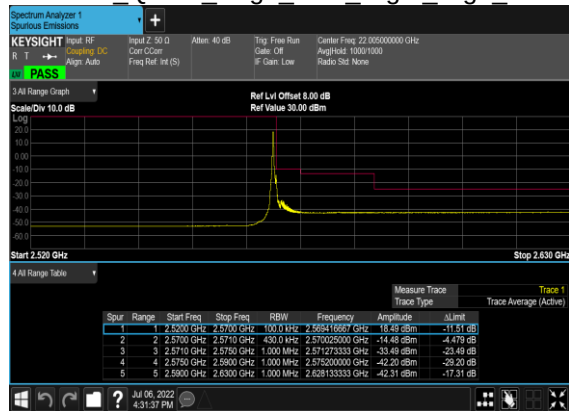
Measure Trace
Trace Type

Trace 1
Trace Average (Active)

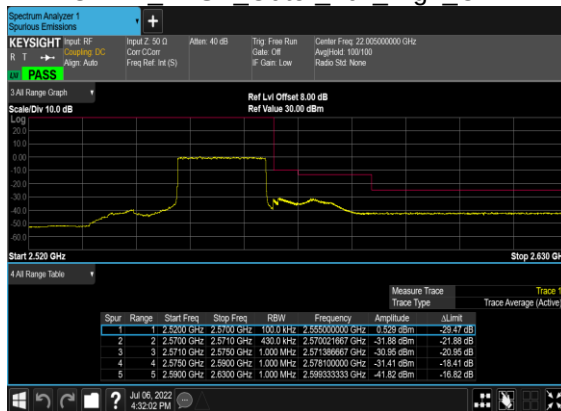
N7(20M)_DFT-s-OFDM BPSK Edge 1RB Right High CH



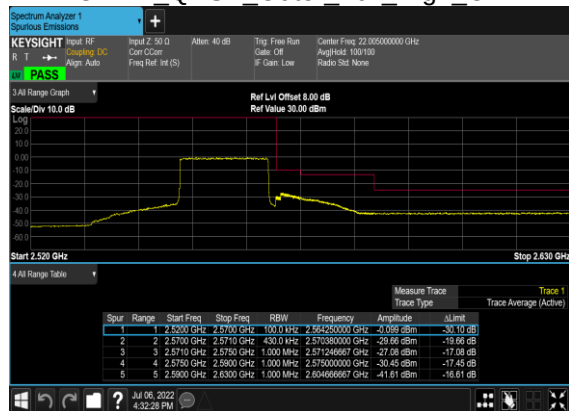
N7(20M)_DFT-s-OFDM QPSK Edge 1RB Right High CH



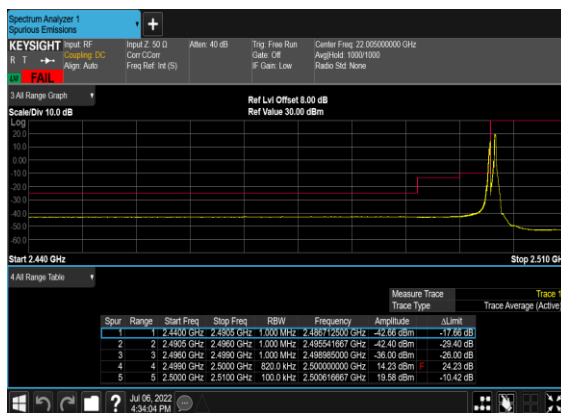
N7(20M)_DFT-s-OFDM BPSK Outer Full High CH



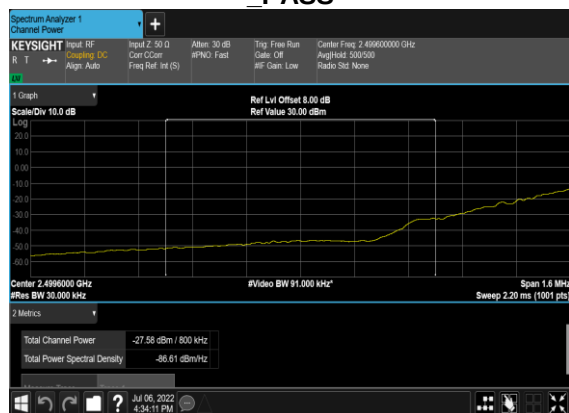
N7(20M)_DFT-s-OFDM QPSK Outer Full High CH



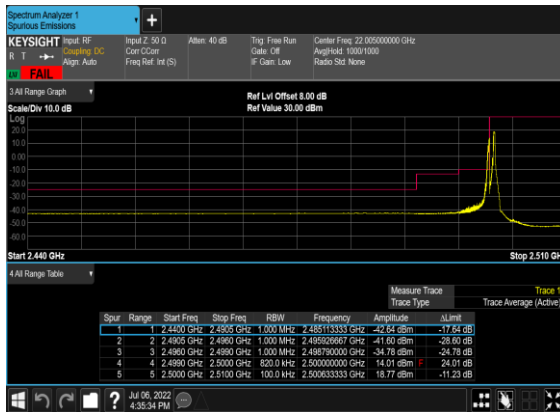
N7(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



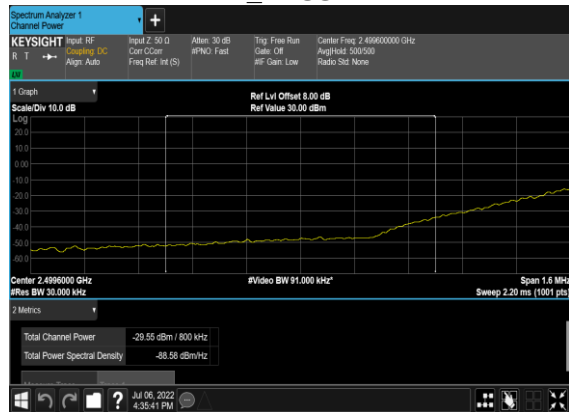
N7(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



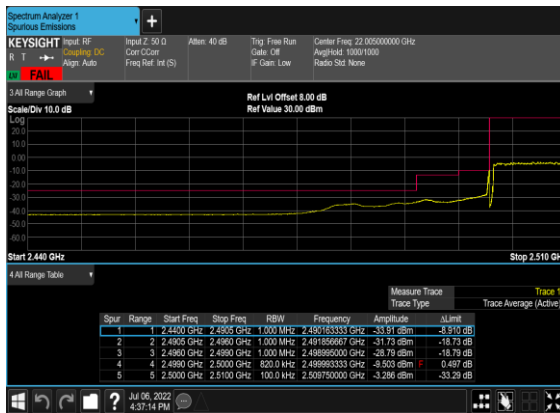
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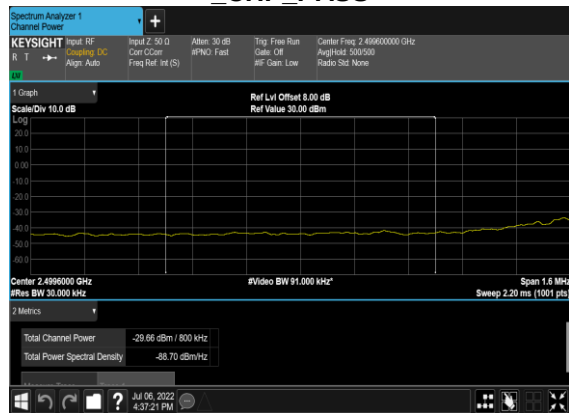
N7(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP PASS



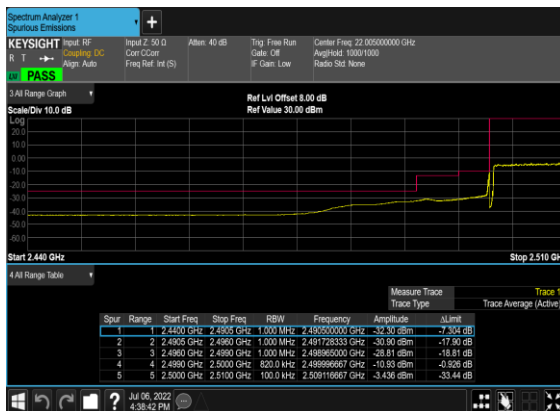
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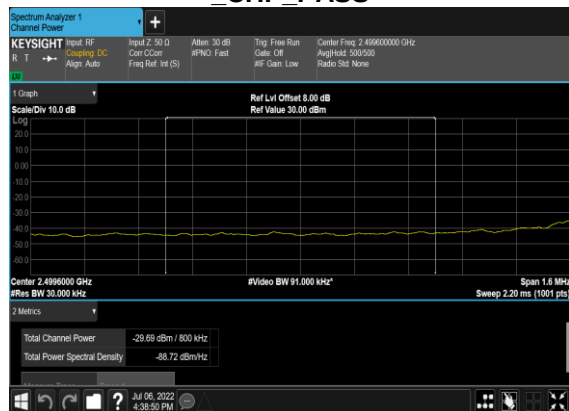
N7(40M)_DFT-s- OFDM_BPSK_Outer_Full_Low_CH CHP PASS



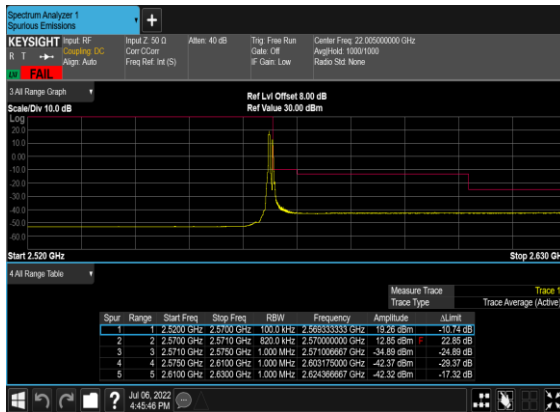
N7(40M)_DFT-s- OFDM_QPSK_Outer_Full_Low_CH



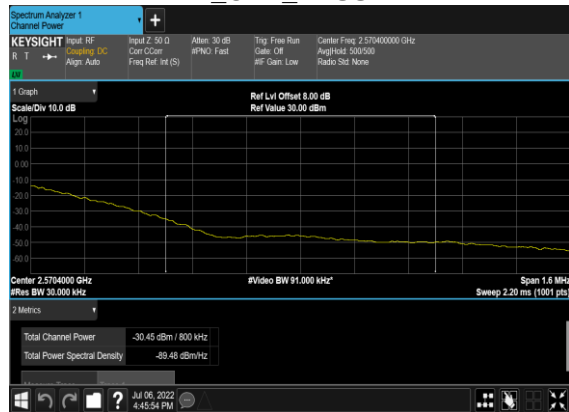
N7(40M)_DFT-s- OFDM_QPSK_Outer_Full_Low_CH CHP PASS



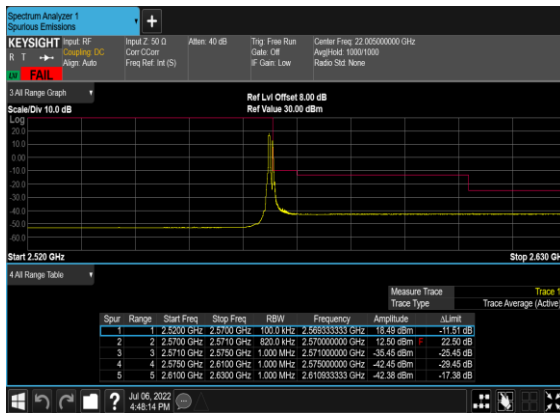
N7(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



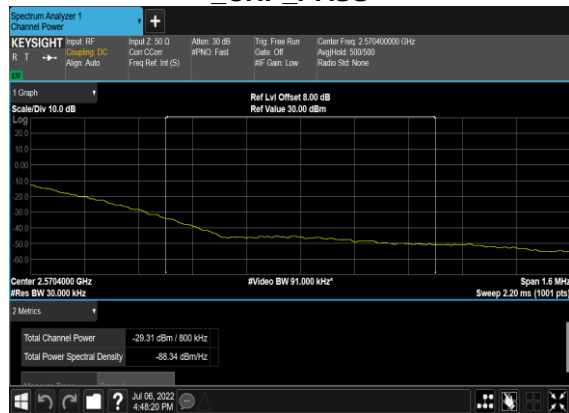
N7(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH _CHP_PASS



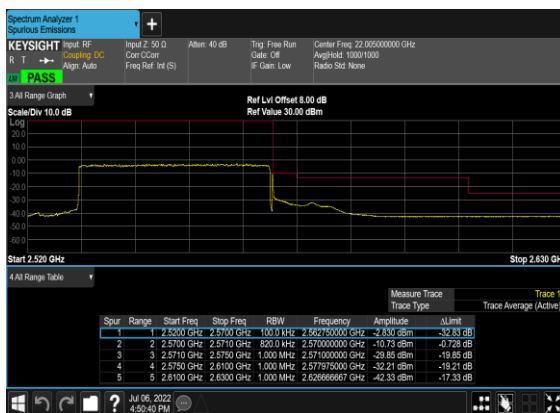
N7(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



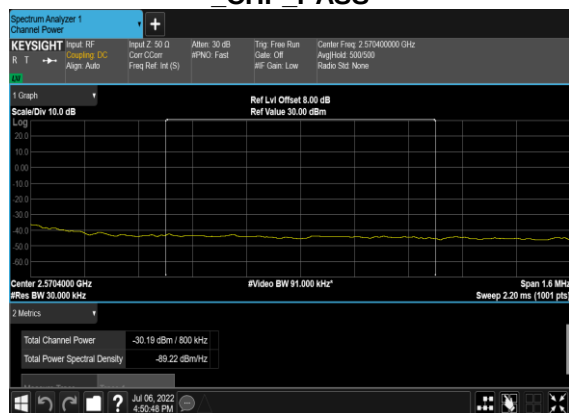
N7(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH _CHP_PASS



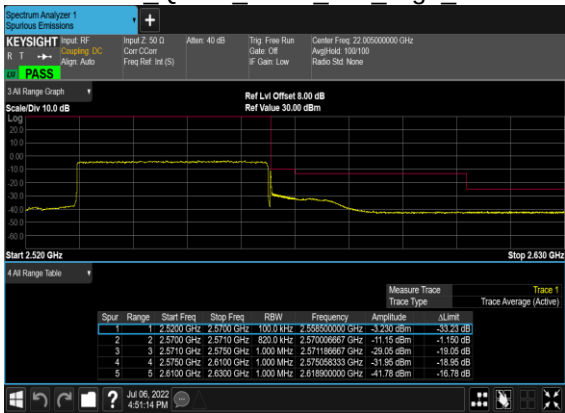
N7(40M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



N7(40M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH _CHP_PASS



N7(40M)_DFT-s-
OFDM QPSK Outer Full High CH



FR1 N38(ANT0)

Transmitter Conducted Output Power And EIRP, (G_T - L_C)= -2.5dBi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
38	30	20	516000	2580	DFT-s-OFDM QPSK	1@1	22.35	19.85	0.0966
38	30	20	516000	2580	DFT-s-OFDM 16 QAM	1@1	21.25	18.75	0.0750
38	30	20	519000	2595	DFT-s-OFDM QPSK	1@1	22.43	19.93	0.0984
38	30	20	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.65	19.15	0.0822
38	30	20	522000	2610	DFT-s-OFDM QPSK	1@1	22.34	19.84	0.0964
38	30	20	522000	2610	DFT-s-OFDM 16 QAM	1@1	21.63	19.13	0.0818
38	30	30	517000	2585	DFT-s-OFDM QPSK	1@1	22.33	19.83	0.0962
38	30	30	517000	2585	DFT-s-OFDM 16 QAM	1@1	21.57	19.07	0.0807
38	30	30	519000	2595	DFT-s-OFDM QPSK	1@1	22.46	19.96	0.0991
38	30	30	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.69	19.19	0.0830
38	30	30	521000	2605	DFT-s-OFDM QPSK	1@1	22.58	20.08	0.1019
38	30	30	521000	2605	DFT-s-OFDM 16 QAM	1@1	21.74	19.24	0.0839
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	50@25	22.56	20.06	0.1014
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@1	22.34	19.84	0.0964
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@104	22.61	20.11	0.1026
38	30	40	518000	2590	DFT-s-OFDM QPSK	50@25	22.55	20.05	0.1012
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@1	22.36	19.86	0.0968
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@104	22.65	20.15	0.1035
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	50@25	21.44	18.94	0.0783
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@1	21.55	19.05	0.0804
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@104	21.87	19.37	0.0865
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	50@25	20.06	17.56	0.0570
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@1	19.54	17.04	0.0506
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@104	19.85	17.35	0.0543
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	50@25	18.18	15.68	0.0370
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@1	17.94	15.44	0.0350
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@104	18.12	15.62	0.0365
38	30	40	518000	2590	CP-OFDM QPSK	53@26	20.94	18.44	0.0698
38	30	40	518000	2590	CP-OFDM QPSK	1@1	20.84	18.34	0.0682
38	30	40	518000	2590	CP-OFDM QPSK	1@104	21.13	18.63	0.0729

38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	50@25	22.61	20.11	0.1026
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	22.44	19.94	0.0986
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@104	22.66	20.16	0.1038
38	30	40	519000	2595	DFT-s-OFDM QPSK	50@25	22.62	20.12	0.1028
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@1	22.45	19.95	0.0989
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@104	22.67	20.17	0.1040
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	50@25	21.48	18.98	0.0791
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.67	19.17	0.0826
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@104	21.91	19.41	0.0873
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	50@25	20.08	17.58	0.0573
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@1	19.67	17.17	0.0521
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@104	19.91	17.41	0.0551
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	50@25	18.21	15.71	0.0372
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@1	17.99	15.49	0.0354
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@104	18.18	15.68	0.0370
38	30	40	519000	2595	CP-OFDM QPSK	53@26	21.05	18.55	0.0716
38	30	40	519000	2595	CP-OFDM QPSK	1@1	20.9	18.4	0.0692
38	30	40	519000	2595	CP-OFDM QPSK	1@104	21.16	18.66	0.0735
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	50@25	22.54	20.04	0.1009
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@1	22.45	19.95	0.0989
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@104	22.7	20.2	0.1047
38	30	40	520000	2600	DFT-s-OFDM QPSK	50@25	22.55	20.05	0.1012
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@1	22.53	20.03	0.1007
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@104	22.75	20.25	0.1059
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	50@25	21.61	19.11	0.0815
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@1	21.74	19.24	0.0839
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@104	21.94	19.44	0.0879
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	50@25	20.07	17.57	0.0571
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@1	19.68	17.18	0.0522
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@104	19.92	17.42	0.0552
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	50@25	18.27	15.77	0.0378
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@1	18.1	15.6	0.0363
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@104	18.22	15.72	0.0373
38	30	40	520000	2600	CP-OFDM QPSK	53@26	21.04	18.54	0.0714
38	30	40	520000	2600	CP-OFDM QPSK	1@1	20.88	18.38	0.0689
38	30	40	520000	2600	CP-OFDM QPSK	1@104	21.17	18.67	0.0736

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
38	30	20	519000	2595.0	DFT-s-OFDM QPSK	50@0	0.00135	PASS	NV
38	30	20	519000	2595.0	DFT-s-OFDM QPSK	50@0	0.00212	PASS	LV
38	30	20	519000	2595.0	DFT-s-OFDM QPSK	50@0	0.00414	PASS	HV
38	30	20	519000	2595.0	DFT-s-OFDM QPSK	50@0	0.00952	PASS	-30°C
38	30	20	519000	2595.0	DFT-s-OFDM QPSK	50@0	0.00591	PASS	-20°C
38	30	20	519000	2595.0	DFT-s-OFDM QPSK	50@0	0.00316	PASS	-10°C
38	30	20	519000	2595.0	DFT-s-OFDM QPSK	50@0	0.00565	PASS	0°C
38	30	20	519000	2595.0	DFT-s-OFDM QPSK	50@0	0.00425	PASS	10°C
38	30	20	519000	2595.0	DFT-s-OFDM QPSK	50@0	0.00325	PASS	20°C
38	30	20	519000	2595.0	DFT-s-OFDM QPSK	50@0	0.00731	PASS	30°C
38	30	20	519000	2595.0	DFT-s-OFDM QPSK	50@0	0.00543	PASS	40°C
38	30	20	519000	2595.0	DFT-s-OFDM QPSK	50@0	0.00401	PASS	50°C

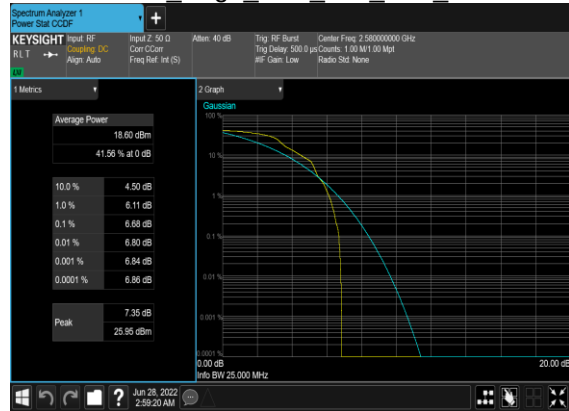
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
38	30	20	516000	2580.0	DFT-s-OFDM PI/2 BPSK	50@0	6.89	13	PASS
38	30	20	516000	2580.0	DFT-s-OFDM PI/2 BPSK	1@0	6.68	13	PASS
38	30	20	516000	2580.0	DFT-s-OFDM QPSK	50@0	7.48	13	PASS
38	30	20	516000	2580.0	DFT-s-OFDM QPSK	1@0	6.95	13	PASS
38	30	20	519000	2595.0	DFT-s-OFDM PI/2 BPSK	50@0	6.57	13	PASS
38	30	20	519000	2595.0	DFT-s-OFDM PI/2 BPSK	1@0	6.81	13	PASS
38	30	20	519000	2595.0	DFT-s-OFDM QPSK	50@0	7.85	13	PASS
38	30	20	519000	2595.0	DFT-s-OFDM QPSK	1@0	7.51	13	PASS
38	30	20	522000	2610.0	DFT-s-OFDM PI/2 BPSK	50@0	6.74	13	PASS
38	30	20	522000	2610.0	DFT-s-OFDM PI/2 BPSK	1@0	7.15	13	PASS
38	30	20	522000	2610.0	DFT-s-OFDM QPSK	50@0	7.49	13	PASS
38	30	20	522000	2610.0	DFT-s-OFDM QPSK	1@0	6.74	13	PASS

N38(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Low_CH



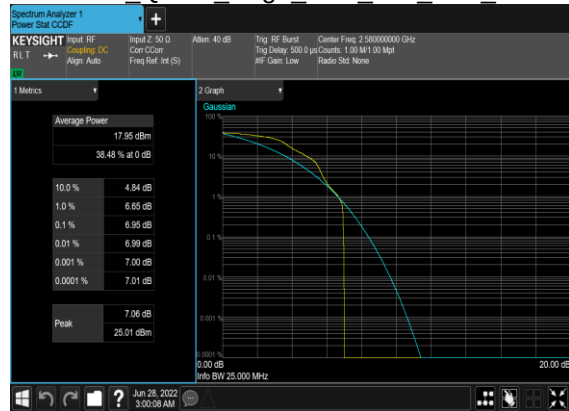
N38(20M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Low_CH



N38(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N38(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



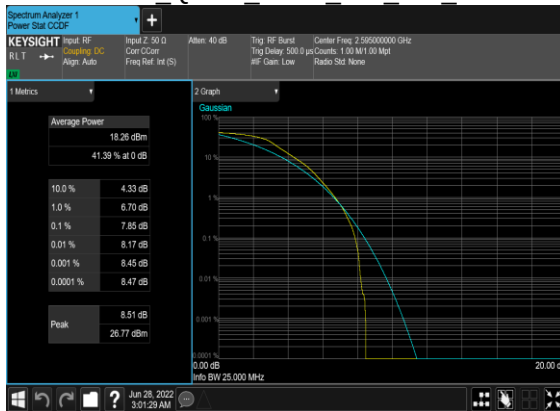
N38(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



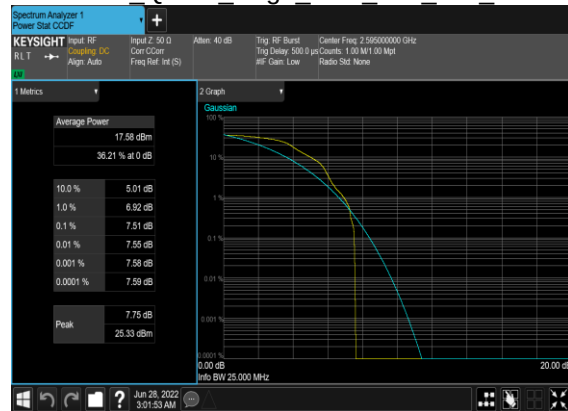
N38(20M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Mid_CH



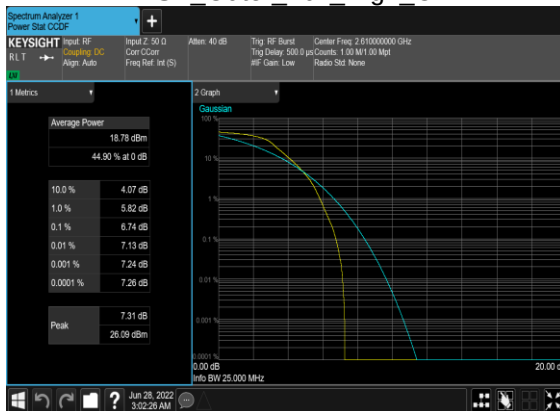
N38(20M)_DFT-s-OFDM QPSK Outer Full Mid CH



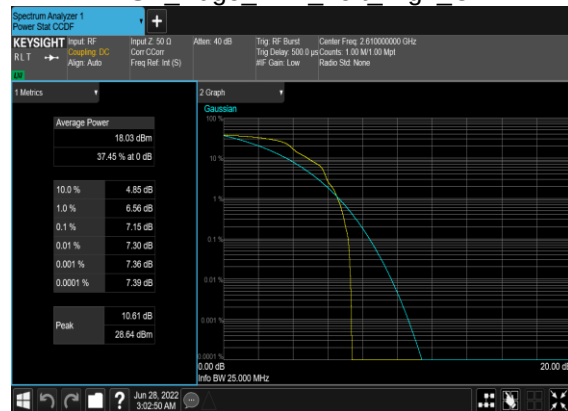
N38(20M)_DFT-s-OFDM QPSK Edge 1RB Left Mid CH



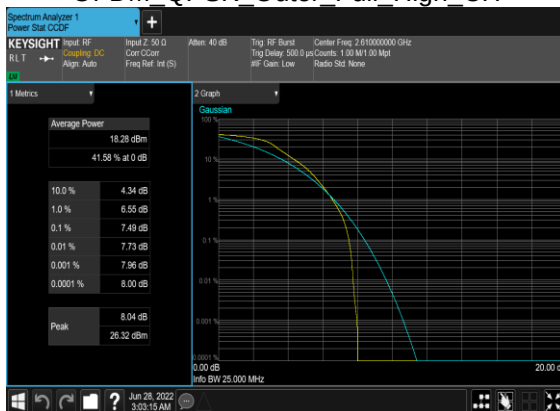
N38(20M)_DFT-s-OFDM_PI_2-BPSK Outer Full High CH



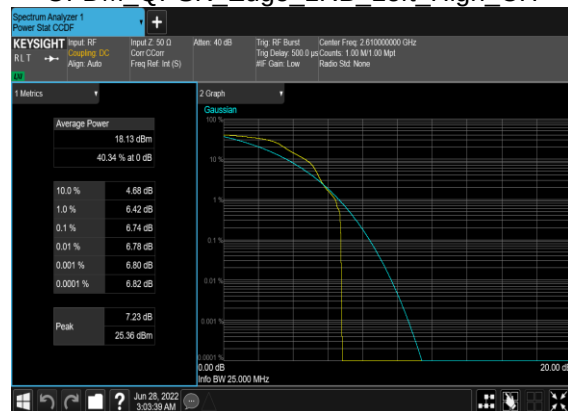
N38(20M)_DFT-s-OFDM_PI_2-BPSK Edge 1RB Left High CH



N38(20M)_DFT-s-OFDM QPSK Outer Full High CH



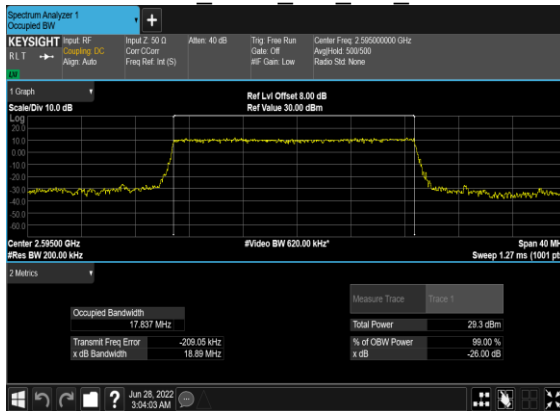
N38(20M)_DFT-s-OFDM QPSK Edge 1RB Left High CH



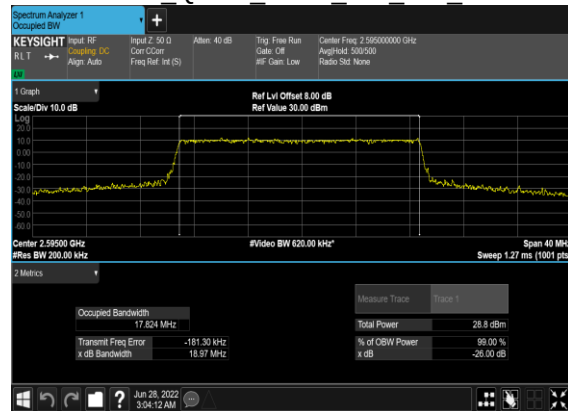
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
38	30	20	519000	2595.0	DFT-s-OFDM PI/2 BPSK	50@0	17.837	18.89
38	30	20	519000	2595.0	DFT-s-OFDM QPSK	50@0	17.824	18.97
38	30	20	519000	2595.0	CP-OFDM QPSK	51@0	18.253	19.57
38	30	20	519000	2595.0	CP-OFDM 16 QAM	51@0	18.247	19.33
38	30	20	519000	2595.0	CP-OFDM 64 QAM	51@0	18.219	19.33
38	30	20	519000	2595.0	CP-OFDM 256 QAM	51@0	18.166	19.31
38	30	30	519000	2595.0	DFT-s-OFDM PI/2 BPSK	75@0	26.729	28.06
38	30	30	519000	2595.0	DFT-s-OFDM QPSK	75@0	26.767	28.09
38	30	30	519000	2595.0	CP-OFDM QPSK	78@0	27.896	29.23
38	30	30	519000	2595.0	CP-OFDM 16 QAM	78@0	27.884	29.34
38	30	30	519000	2595.0	CP-OFDM 64 QAM	78@0	27.866	29.27
38	30	30	519000	2595.0	CP-OFDM 256 QAM	78@0	27.872	29.3
38	30	40	519000	2595.0	DFT-s-OFDM PI/2 BPSK	100@0	35.74	37.21
38	30	40	519000	2595.0	DFT-s-OFDM QPSK	100@0	35.782	37.25
38	30	40	519000	2595.0	CP-OFDM QPSK	106@0	37.879	39.47
38	30	40	519000	2595.0	CP-OFDM 16 QAM	106@0	37.846	39.36
38	30	40	519000	2595.0	CP-OFDM 64 QAM	106@0	37.867	39.39
38	30	40	519000	2595.0	CP-OFDM 256 QAM	106@0	37.812	39.31

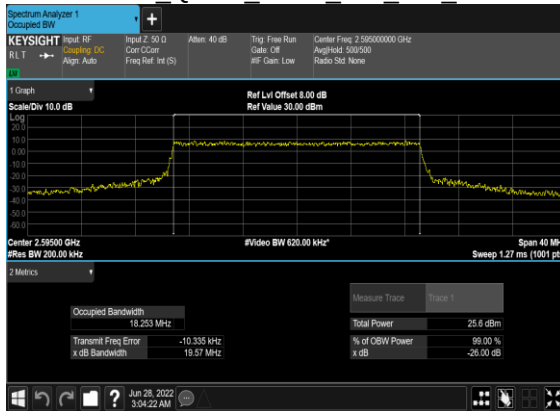
N38(20M)_DFT-s-OFDM_PI_2-
BPSK Outer Full Mid CH



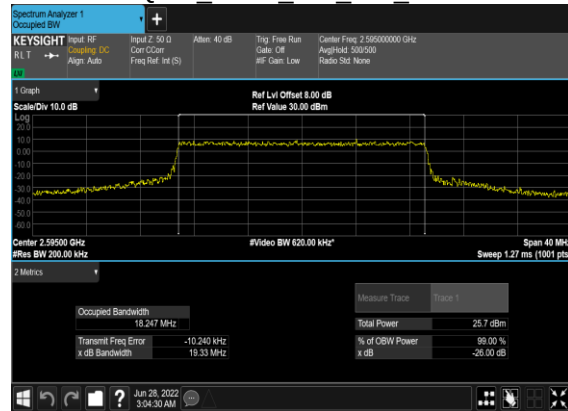
N38(20M)_DFT-s-
OFDM QPSK Outer Full Mid CH



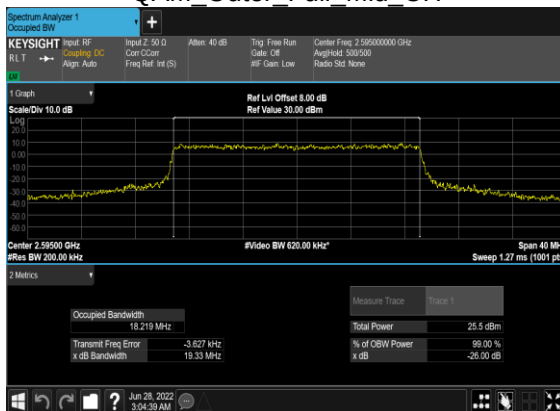
N38(20M)_CP-
OFDM QPSK Outer Full Mid CH



N38(20M)_CP-OFDM_16
QAM Outer Full Mid CH



N38(20M)_CP-OFDM_64
QAM Outer Full Mid CH



N38(20M)_CP-OFDM_256
QAM Outer Full Mid CH

