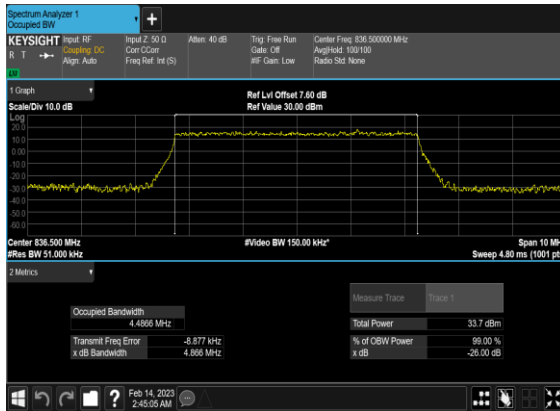
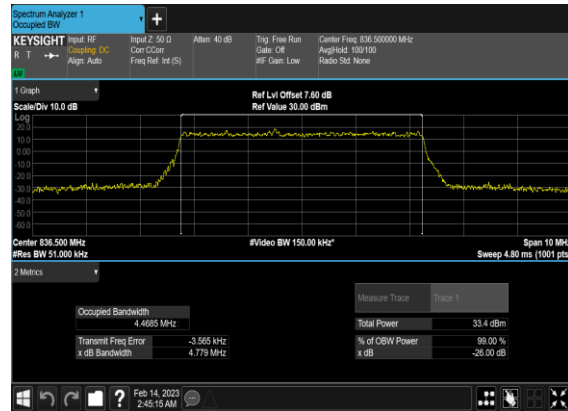


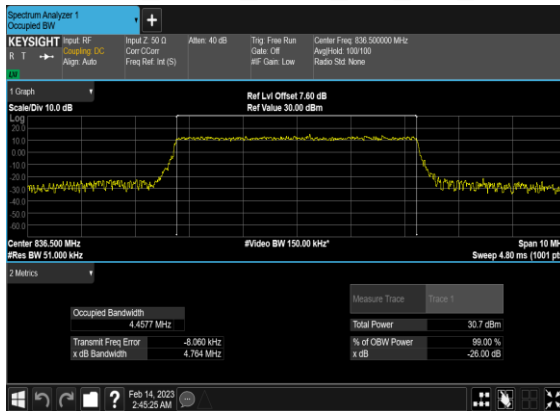
N5(5M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



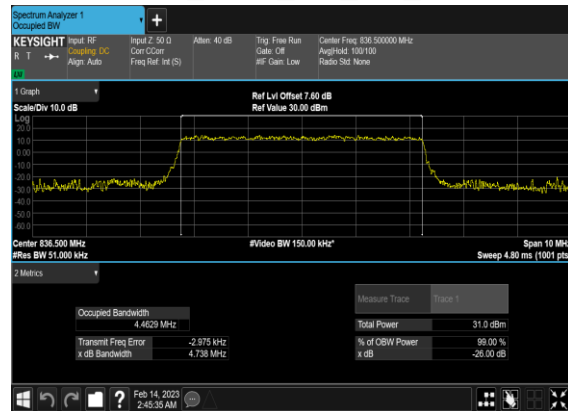
N5(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



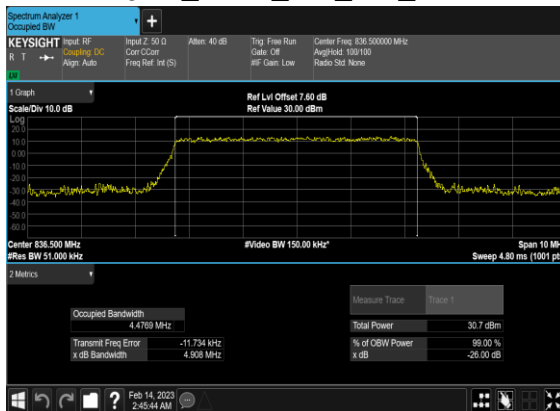
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OFDM_QPSK_Outer_Full_Mid_CH



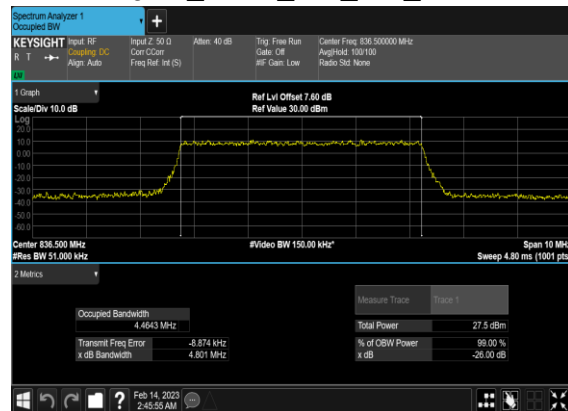
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QAM_Outer_Full_Mid_CH



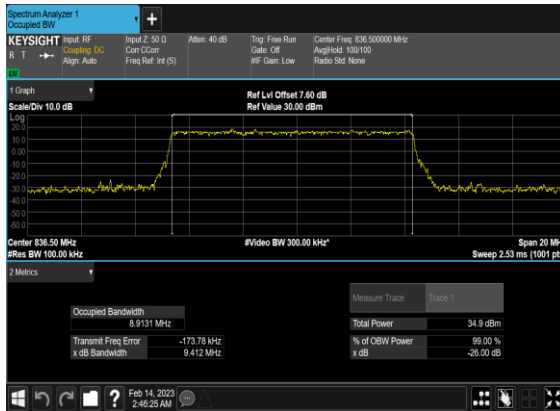
N5(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



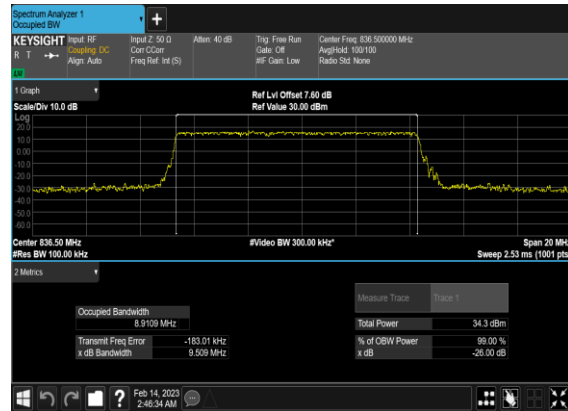
N5(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



N5(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



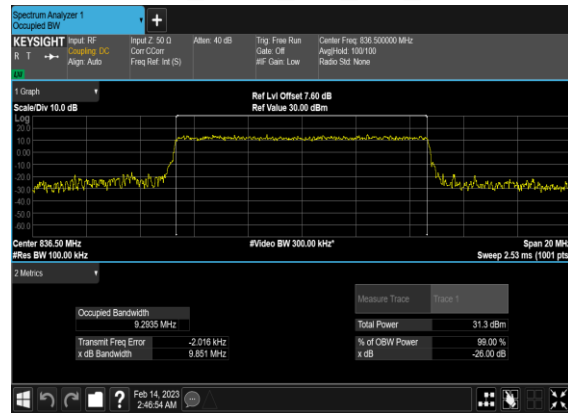
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OFDM_QPSK_Outer_Full_Mid_CH



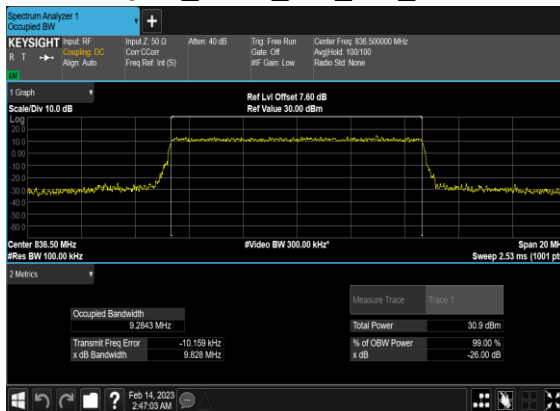
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OFDM_QPSK_Outer_Full_Mid_CH



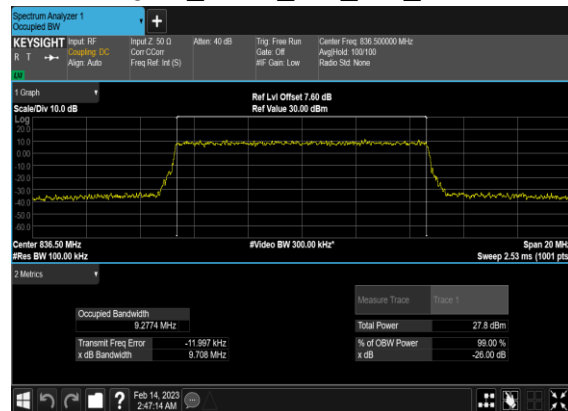
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QAM_Outer_Full_Mid_CH



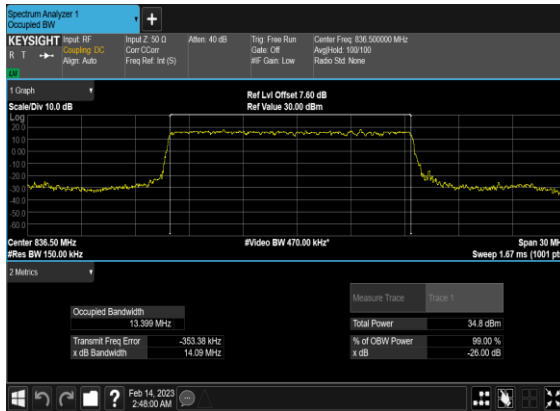
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QAM_Outer_Full_Mid_CH



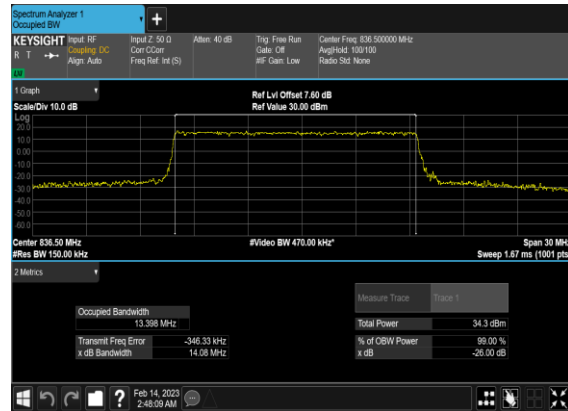
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QAM_Outer_Full_Mid_CH



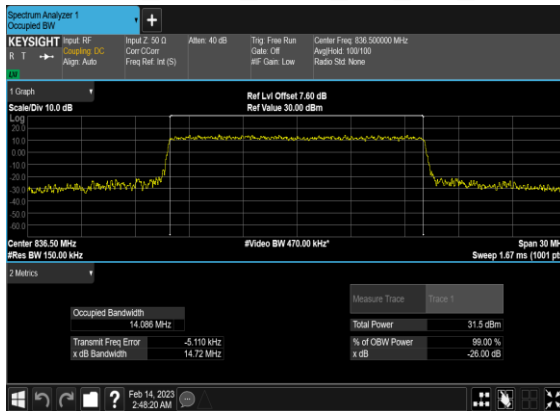
N5(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



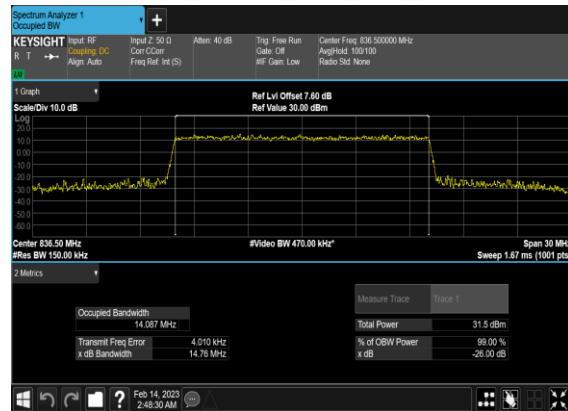
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OFDM_QPSK_Outer_Full_Mid_CH



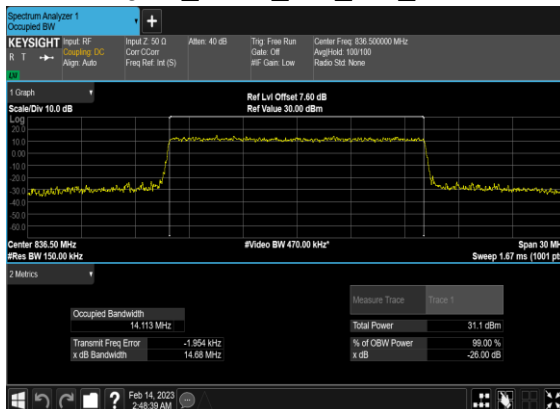
N5(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



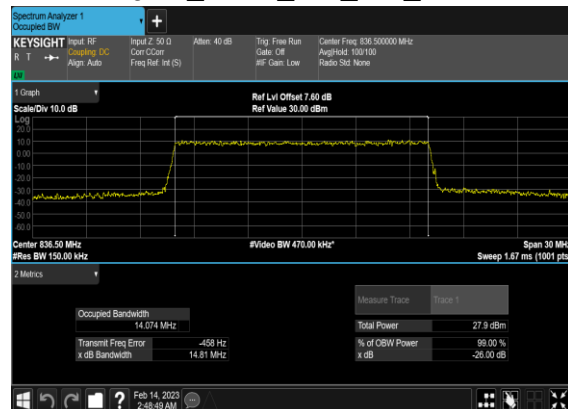
N5(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



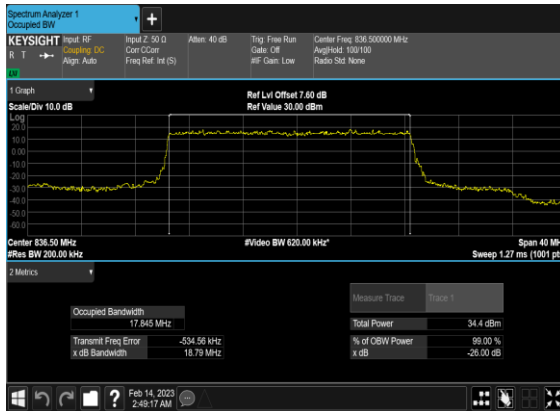
N5(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



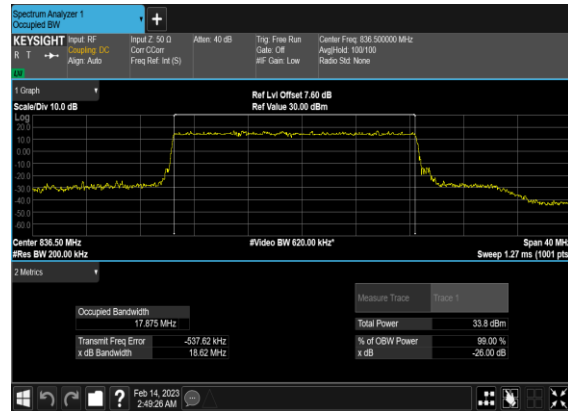
N5(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



N5(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



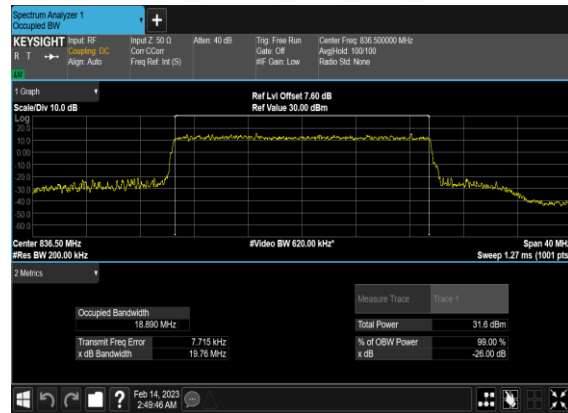
N5(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



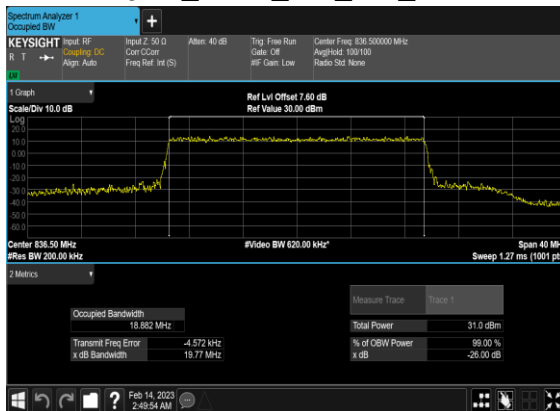
N5(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



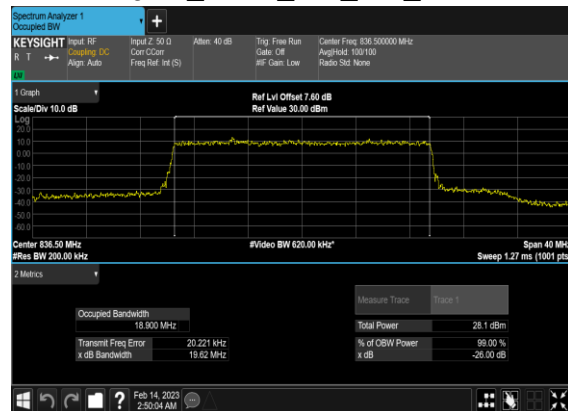
N5(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N5(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N5(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

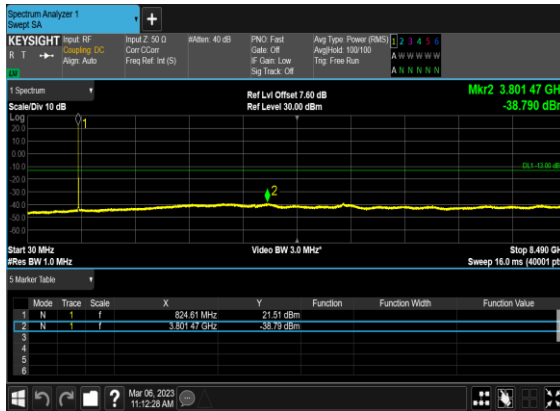


Conducted Spurious Emissions

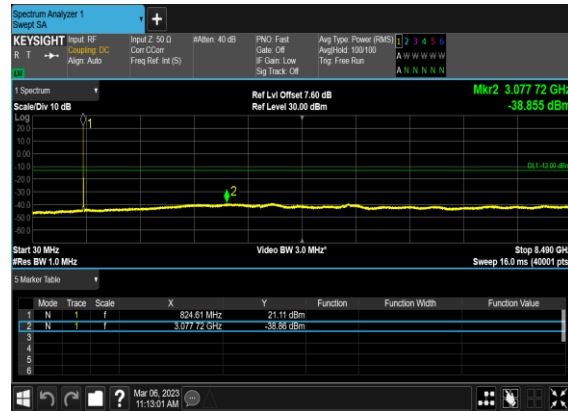
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
5	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	5	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	169300	846.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	168800	844.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	168800	844.0	DFT-s-OFDM BPSK	1@0	see graph	PASS

5	15	10	168800	844.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	10	168800	844.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	167800	839.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	167800	839.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	167800	839.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	20	167800	839.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

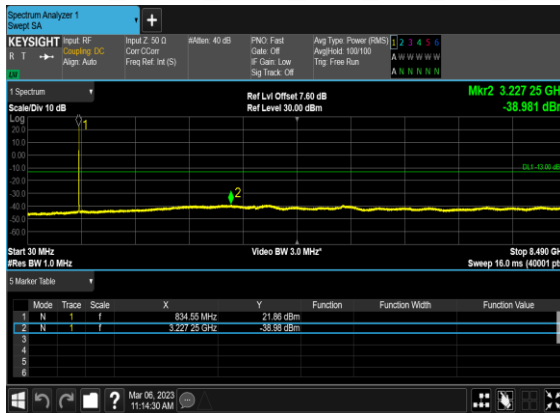
N5(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



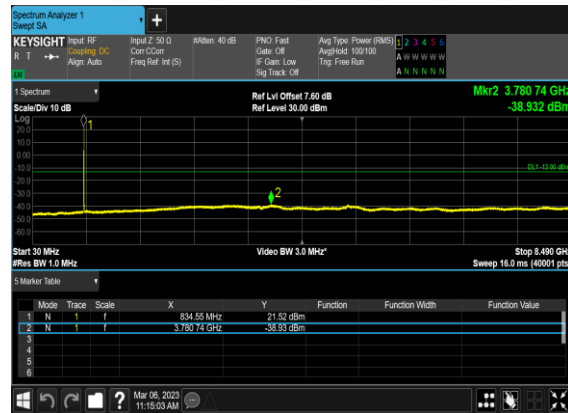
N5(5M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



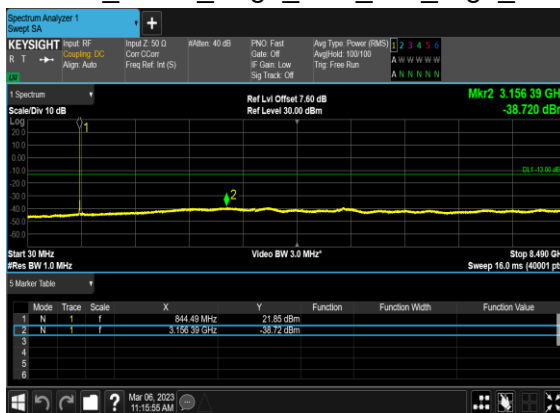
N5(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



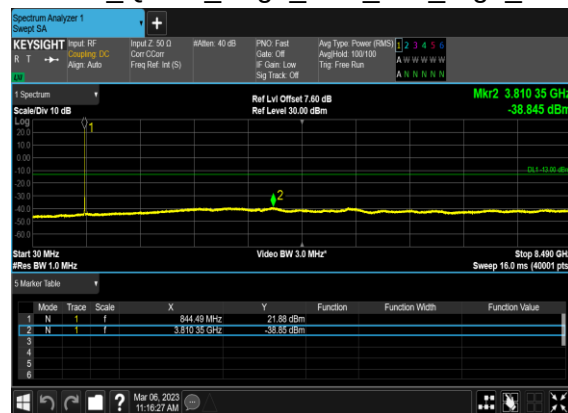
N5(5M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



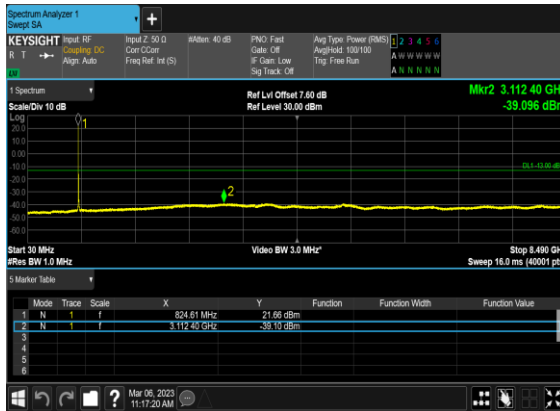
N5(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



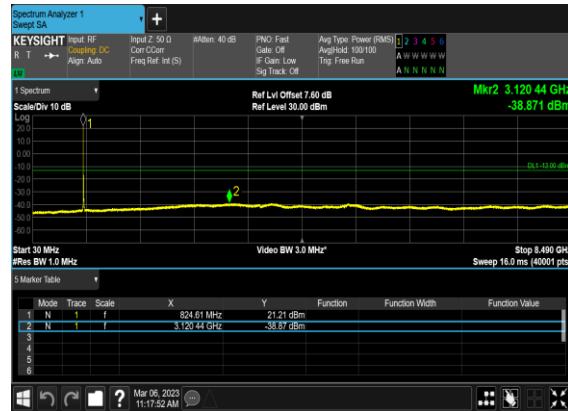
N5(5M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



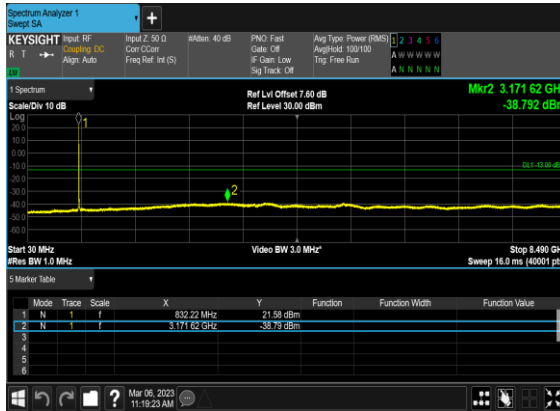
N5(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



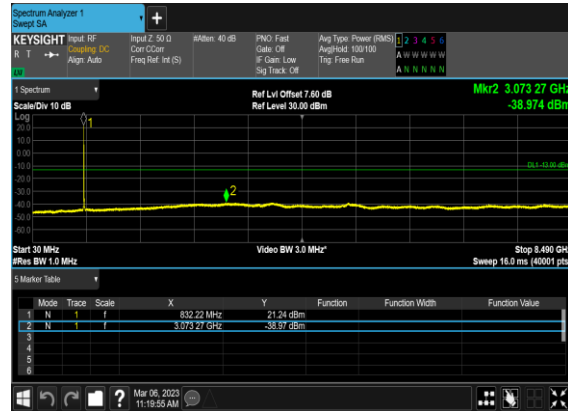
N5(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



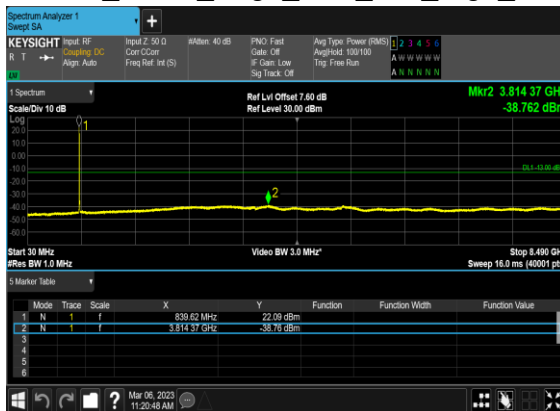
N5(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



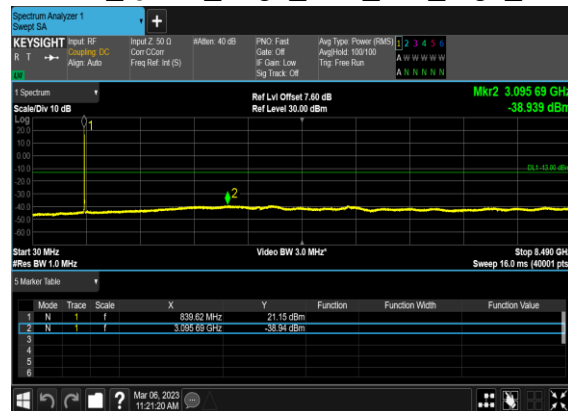
N5(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



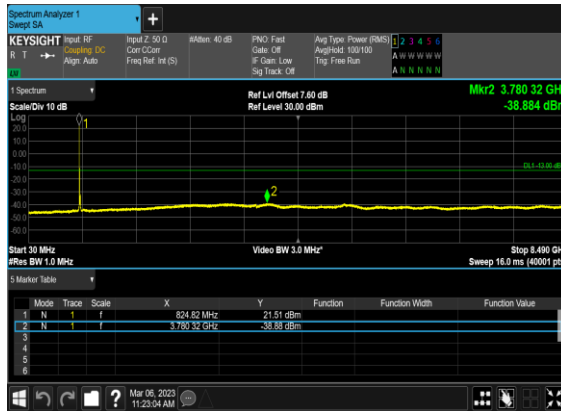
N5(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



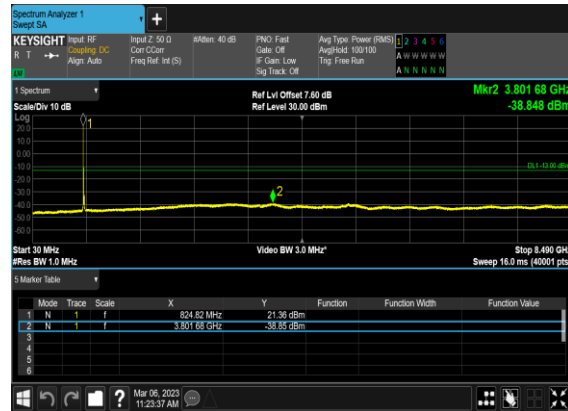
N5(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



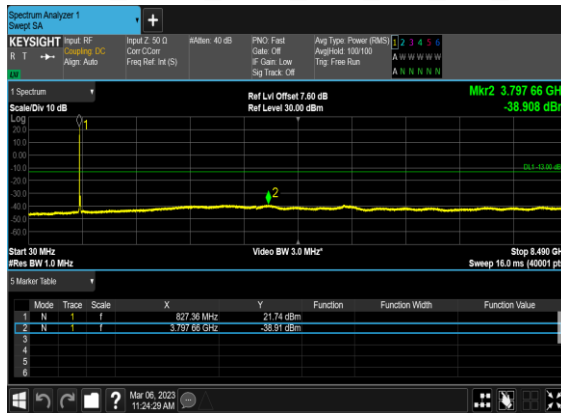
N5(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



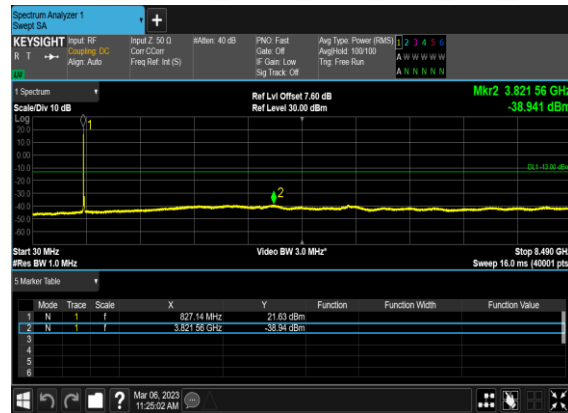
N5(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



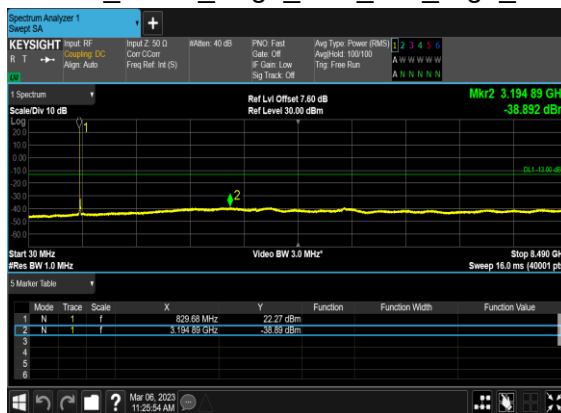
N5(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



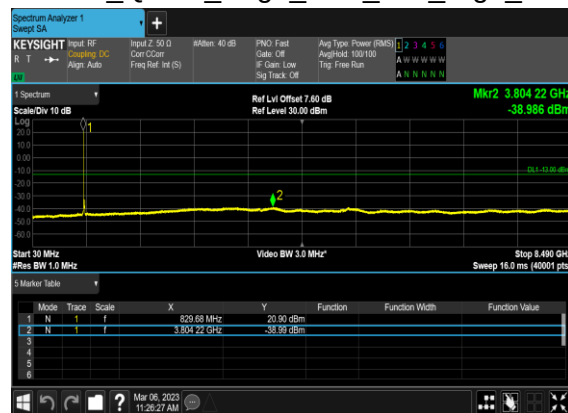
N5(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N5(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



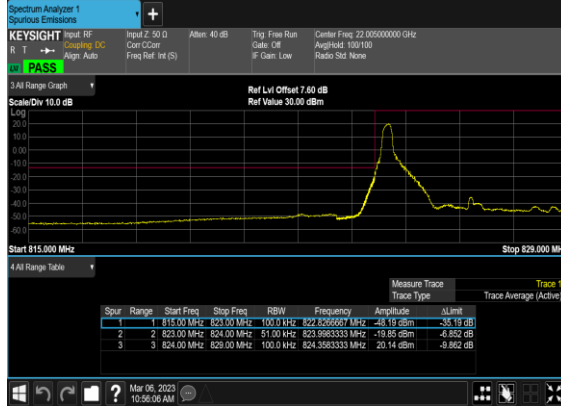
N5(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



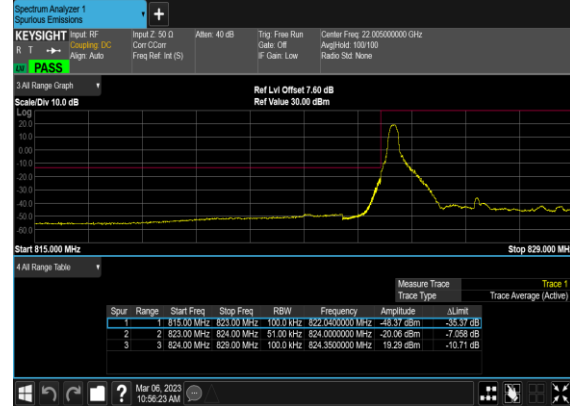
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
5	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	5	165300	826.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
5	15	5	165300	826.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
5	15	10	168800	844.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
5	15	10	168800	844.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
5	15	10	168800	844.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
5	15	10	168800	844.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
5	15	20	167800	839.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
5	15	20	167800	839.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
5	15	20	167800	839.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
5	15	20	167800	839.0	DFT-s-OFDM QPSK	100@0	see graph	PASS

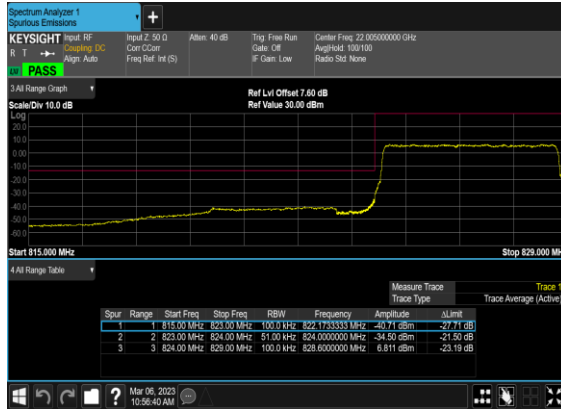
N5(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



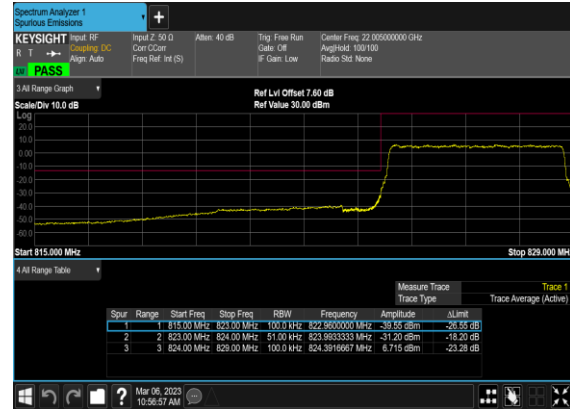
N5(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



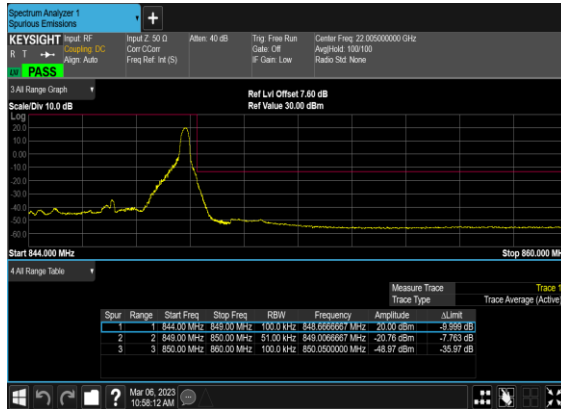
N5(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



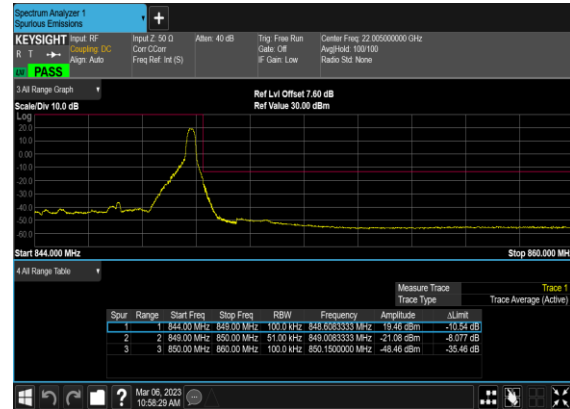
N5(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N5(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N5(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



Spectrum Analyzer 1
Spurious Emissions

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

Input 2: 50.0
Con: Coe
Freq Ref: Int (S)

Att: 40 dB

Trig: Free Run
Gate: Off
IF Gain: Low

Center Freq: 22 00000000 GHz
Amplitude: 100.00
Ratio: Std None

PASS

3 All Range Graph

Scale/Div 10.0 dB

Log

Ref Lvl Offset 7.60 dB
Ref Value 30.00 dBm

Start 844.000 MHz Stop 860.000 MHz

4 All Range Table

Measure Trace
Trace Type

Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	A1mz
1	1	844.00 MHz	848.00 MHz	100.0 Hz	845.0003333 MHz	7.216 dBm	-22.78 dB
2	2	849.00 MHz	850.00 MHz	51.00 MHz	849.0000000 MHz	-30.00 dBm	-17.00 dB
3	3	850.00 MHz	860.00 MHz	100.0 Hz	850.3333333 MHz	-39.66 dBm	-26.66 dB

Mar 06, 2023
10:58:46 AM

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input RF **Channel EO** Input Z: 50 Ω
R T **Align: Auto** Corr: Corr Freq Ref: Int (S) Attm: 40 dB
Thp: Freq Run Cal: Off IF Gain: Low Center Freq: 22 000000000 GHz
AvgMode: 100100 Noise Src: None

IN PASS

3 All Range Graph
Scale/Div: 10.0 dB
Log

Ref Lvl Offset: 7.60 dB
Ref Value: 30.00 dBm

Start: 844.00 MHz Stop: 860.00 MHz

4 All Range Table

		Measure Trace		Trace Type		Trace Average (Active)	
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	dBm
1	1	844.00 MHz	849.00 MHz	100.0 kHz	847.0166667 MHz	6.976 dBm	-24.32 dB
2	2	849.00 MHz	850.00 MHz	51.50 kHz	851.0000000 MHz	-31.26 dBm	-18.26 dB
3	3	850.00 MHz	860.00 MHz	100.0 kHz	850.0166667 MHz	-39.50 dBm	-26.50 dB

Mar 06, 2023
10:55:04 AM

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input RF: *Channel OC*
R T $\leftrightarrow$ *Align Auto*
PASS

Input 2.50 GHz
Corr CC: Off
Freq Ref: Int (S)

Atten: 40 dB

Trig: Free Run
Gate: Off
IF Gain: Low

Center Freq: 22 005000000 GHz
Amp/Hz: 100/100
Radio Std: None

3 All Range Graph

Scale/Div 10.0 dB

Ref Lvl Offset: 7.60 dB
Ref Value 30.00 dBm

Start 815.00 MHz Stop 829.00 MHz

4 All Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δf/Hz
1	1	815.00 MHz	824.00 MHz	100.0 Hz	824.00000000 MHz	-29.30 dBm	-36.30 dB
2	2	823.00 MHz	824.00 MHz	100.0 Hz	823.97166667 MHz	-17.46 dBm	-4.46 dB
3	3	824.00 MHz	829.00 MHz	100.0 Hz	824.41888889 MHz	-19.82 dBm	-10.19 dB

Measure Trace
Trace Type
Trace Average (Active)

Mar 06, 2023
11:00:17 AM

Spectrum Analyzer 1
Spectrum Emissions

KEYSIGHT Input: RF Output: DC
R T → Align: Auto

Input Z: 50 Ω Core: Center
Att: 40 dB Freq Ref: 1st (S)

Trig: Free Run Gate: Off
F: Gain: Low

Center Freq: 22.00000000 GHz
Agt: 100.100
Rate: Std: None

REF **PASS**

3 All Range Graph
Scale/Div: 10.0 dB

Log

Ref Lvl Offset: 7.60 dB
Ref Value: 30.00 dBm

Start: 815.000 MHz Stop: 829.000 MHz

4 All Range Table

		Measure Trace		Trace Type		Trace Average (Active)	
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	dBm
1	1	815.00 MHz	824.00 MHz	100.0 kHz	824.986667 MHz	-29.10 dBm	-36.10 dB
2	2	823.00 MHz	824.00 MHz	100.0 kHz	824.000000 MHz	-17.04 dBm	-4.035 dB
3	3	824.00 MHz	829.00 MHz	100.0 kHz	824.37500000 MHz	18.91 dBm	-11.09 dB

[illegible]

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input: RF
R 1 → Coupling: DC
Amp: Auto
PASS

Input Z: 50 Ω
Core C: AT
Freq Ref: 1st (S)
Att: 40 dB
Trip: Free Run
Gate: Off
IF: Gain Low
Center Freq: 22.000000000 GHz
Avg/Hd: 100/100
Radio Std: None

3 dB Range Graph
Scale/Div: 10.0 dB
Ref Lvl Offset: 7.60 dBm
Ref Value: 30.00 dBm

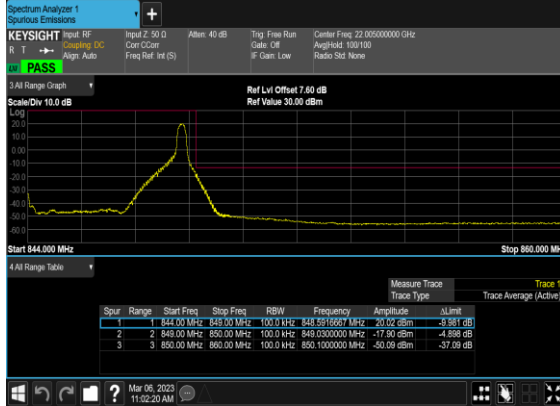
Start 815.00 MHz
Stop 829.000 MHz

4 All Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLvl
					Trace Type	Measure Trace 1	Trace Average (Auto)
1	815.00 MHz	815.00 MHz	815.00 MHz	100.0 MHz	827.8999999999 MHz	-26.36 dBm	-26.36 dB
2	823.00 MHz	824.00 MHz	100.0 MHz	823.9999999999 MHz	-31.15 dBm	-18.15 dB	
3	824.00 MHz	829.00 MHz	100.0 MHz	827.8999999999 MHz	-3.63 dBm	-26.64 dB	

Mar 08, 2023
11:01:26 AM

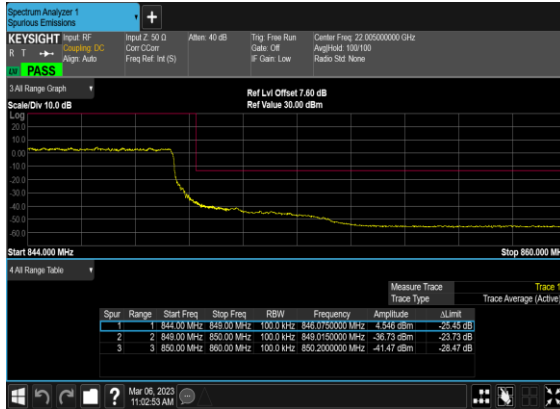
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OFDM_BPSK_Edge_1RB_Right_High_CH



N5(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



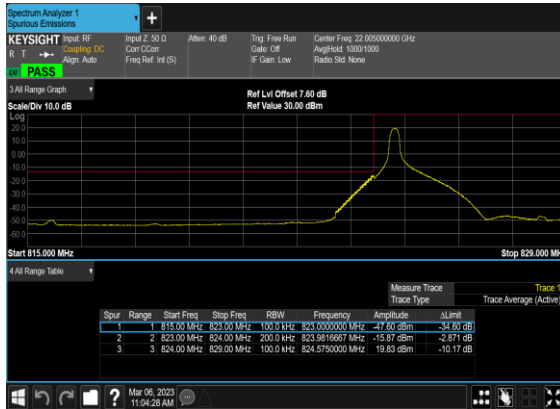
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OFDM_BPSK_Outer_Full_High_CH



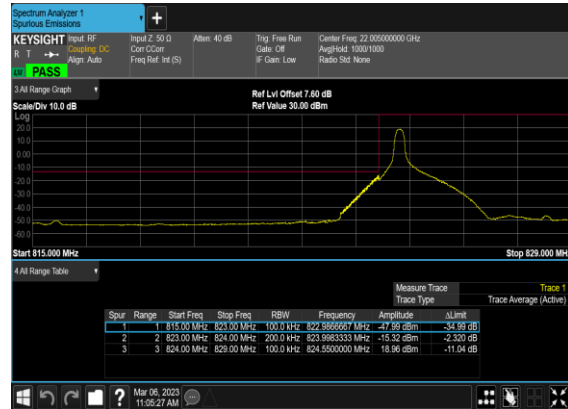
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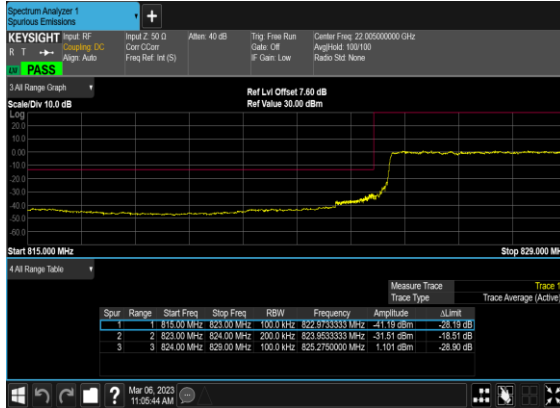
N5(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



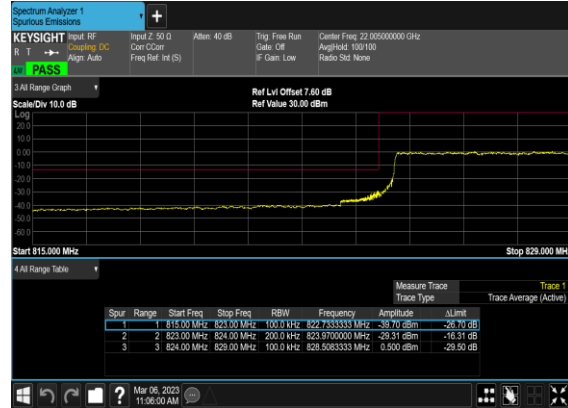
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OFDM_QPSK_Edge_1RB_Left_Low_CH



N5(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



N5(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



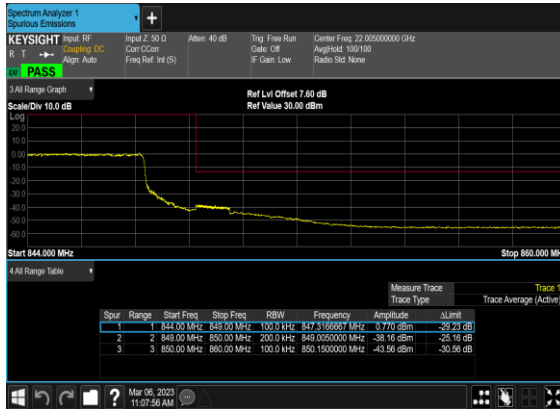
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OFDM_BPSK_Edge_1RB_Right_High_CH



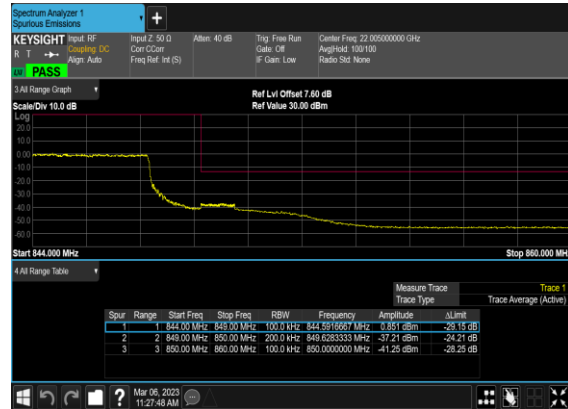
N5(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N5(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N5(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



FR1 N7-Ant 0

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-3.5dBi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@1	22.98	19.48	0.0887
7	15	5	500500	2502.5	DFT-s-OFDM 16 QAM	1@1	21.55	18.05	0.0638
7	15	5	507000	2535	DFT-s-OFDM QPSK	1@1	23.26	19.76	0.0946
7	15	5	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.13	18.63	0.0729
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@1	23.44	19.94	0.0986
7	15	5	513500	2567.5	DFT-s-OFDM 16 QAM	1@1	22.23	18.73	0.0746
7	15	10	501000	2505	DFT-s-OFDM QPSK	1@1	23	19.5	0.0891
7	15	10	501000	2505	DFT-s-OFDM 16 QAM	1@1	21.78	18.28	0.0673
7	15	10	507000	2535	DFT-s-OFDM QPSK	1@1	23.25	19.75	0.0944
7	15	10	507000	2535	DFT-s-OFDM 16 QAM	1@1	21.98	18.48	0.0705
7	15	10	513000	2565	DFT-s-OFDM QPSK	1@1	23.44	19.94	0.0986
7	15	10	513000	2565	DFT-s-OFDM 16 QAM	1@1	22.1	18.6	0.0724
7	15	15	501500	2507.5	DFT-s-OFDM QPSK	1@1	23.02	19.52	0.0895
7	15	15	501500	2507.5	DFT-s-OFDM 16 QAM	1@1	21.77	18.27	0.0671
7	15	15	507000	2535	DFT-s-OFDM QPSK	1@1	23.24	19.74	0.0942
7	15	15	507000	2535	DFT-s-OFDM 16 QAM	1@1	21.96	18.46	0.0701
7	15	15	512500	2562.5	DFT-s-OFDM QPSK	1@1	23.33	19.83	0.0962
7	15	15	512500	2562.5	DFT-s-OFDM 16 QAM	1@1	22.11	18.61	0.0726
7	15	20	502000	2510	DFT-s-OFDM QPSK	1@1	23.08	19.58	0.0908
7	15	20	502000	2510	DFT-s-OFDM 16 QAM	1@1	21.88	18.38	0.0689
7	15	20	507000	2535	DFT-s-OFDM QPSK	1@1	23.21	19.71	0.0935
7	15	20	507000	2535	DFT-s-OFDM 16 QAM	1@1	21.99	18.49	0.0706
7	15	20	512000	2560	DFT-s-OFDM QPSK	1@1	23.37	19.87	0.0971
7	15	20	512000	2560	DFT-s-OFDM 16 QAM	1@1	22.12	18.62	0.0728
7	15	25	502500	2512.5	DFT-s-OFDM QPSK	1@1	22.84	19.34	0.0859
7	15	25	502500	2512.5	DFT-s-OFDM 16 QAM	1@1	21.62	18.12	0.0649
7	15	25	507000	2535	DFT-s-OFDM QPSK	1@1	23.03	19.53	0.0897
7	15	25	507000	2535	DFT-s-OFDM 16 QAM	1@1	21.77	18.27	0.0671
7	15	25	511500	2557.5	DFT-s-OFDM QPSK	1@1	22.99	19.49	0.0889

7	15	25	511500	2557.5	DFT-s-OFDM 16 QAM	1@1	22.01	18.51	0.0710
7	15	30	503000	2515	DFT-s-OFDM QPSK	1@1	22.76	19.26	0.0843
7	15	30	503000	2515	DFT-s-OFDM 16 QAM	1@1	21.63	18.13	0.0650
7	15	30	507000	2535	DFT-s-OFDM QPSK	1@1	22.45	18.95	0.0785
7	15	30	507000	2535	DFT-s-OFDM 16 QAM	1@1	21.66	18.16	0.0655
7	15	30	511000	2555	DFT-s-OFDM QPSK	1@1	22.49	18.99	0.0793
7	15	30	511000	2555	DFT-s-OFDM 16 QAM	1@1	21.78	18.28	0.0673
7	15	40	504000	2520	DFT-s-OFDM QPSK	1@1	22.19	18.69	0.0740
7	15	40	504000	2520	DFT-s-OFDM 16 QAM	1@1	21.43	17.93	0.0621
7	15	40	507000	2535	DFT-s-OFDM QPSK	1@1	22.2	18.7	0.0741
7	15	40	507000	2535	DFT-s-OFDM 16 QAM	1@1	21.44	17.94	0.0622
7	15	40	510000	2550	DFT-s-OFDM QPSK	1@1	22.37	18.87	0.0771
7	15	40	510000	2550	DFT-s-OFDM 16 QAM	1@1	21.64	18.14	0.0652
7	15	50	505000	2525	DFT-s-OFDM PI/2 BPSK	135@67	22.85	19.35	0.0861
7	15	50	505000	2525	DFT-s-OFDM PI/2 BPSK	1@1	22.52	19.02	0.0798
7	15	50	505000	2525	DFT-s-OFDM PI/2 BPSK	1@268	22.93	19.43	0.0877
7	15	50	505000	2525	DFT-s-OFDM QPSK	135@67	22.92	19.42	0.0875
7	15	50	505000	2525	DFT-s-OFDM QPSK	1@1	22.64	19.14	0.0820
7	15	50	505000	2525	DFT-s-OFDM QPSK	1@268	23.08	19.58	0.0908
7	15	50	505000	2525	DFT-s-OFDM 16 QAM	135@67	21.95	18.45	0.0700
7	15	50	505000	2525	DFT-s-OFDM 16 QAM	1@1	21.82	18.32	0.0679
7	15	50	505000	2525	DFT-s-OFDM 16 QAM	1@268	22.23	18.73	0.0746
7	15	50	505000	2525	DFT-s-OFDM 64 QAM	135@67	20.49	16.99	0.0500
7	15	50	505000	2525	DFT-s-OFDM 64 QAM	1@1	20.12	16.62	0.0459
7	15	50	505000	2525	DFT-s-OFDM 64 QAM	1@268	20.44	16.94	0.0494
7	15	50	505000	2525	DFT-s-OFDM 256 QAM	135@67	18.45	14.95	0.0313
7	15	50	505000	2525	DFT-s-OFDM 256 QAM	1@1	17.95	14.45	0.0279
7	15	50	505000	2525	DFT-s-OFDM 256 QAM	1@268	18.35	14.85	0.0305
7	15	50	505000	2525	CP-OFDM QPSK	135@67	21.48	17.98	0.0628
7	15	50	505000	2525	CP-OFDM QPSK	1@1	21.04	17.54	0.0568
7	15	50	505000	2525	CP-OFDM QPSK	1@268	21.4	17.9	0.0617
7	15	50	507000	2535	DFT-s-OFDM PI/2 BPSK	135@67	22.88	19.38	0.0867
7	15	50	507000	2535	DFT-s-OFDM PI/2 BPSK	1@1	22.5	19	0.0794
7	15	50	507000	2535	DFT-s-OFDM PI/2 BPSK	1@268	23.29	19.79	0.0953
7	15	50	507000	2535	DFT-s-OFDM QPSK	135@67	23.02	19.52	0.0895

7	15	50	507000	2535	DFT-s-OFDM QPSK	1@1	22.65	19.15	0.0822
7	15	50	507000	2535	DFT-s-OFDM QPSK	1@268	23.45	19.95	0.0989
7	15	50	507000	2535	DFT-s-OFDM 16 QAM	135@67	22.02	18.52	0.0711
7	15	50	507000	2535	DFT-s-OFDM 16 QAM	1@1	21.86	18.36	0.0685
7	15	50	507000	2535	DFT-s-OFDM 16 QAM	1@268	22.61	19.11	0.0815
7	15	50	507000	2535	DFT-s-OFDM 64 QAM	135@67	20.64	17.14	0.0518
7	15	50	507000	2535	DFT-s-OFDM 64 QAM	1@1	19.94	16.44	0.0441
7	15	50	507000	2535	DFT-s-OFDM 64 QAM	1@268	20.93	17.43	0.0553
7	15	50	507000	2535	DFT-s-OFDM 256 QAM	135@67	18.5	15	0.0316
7	15	50	507000	2535	DFT-s-OFDM 256 QAM	1@1	17.95	14.45	0.0279
7	15	50	507000	2535	DFT-s-OFDM 256 QAM	1@268	18.73	15.23	0.0333
7	15	50	507000	2535	CP-OFDM QPSK	135@67	21.54	18.04	0.0637
7	15	50	507000	2535	CP-OFDM QPSK	1@1	21.01	17.51	0.0564
7	15	50	507000	2535	CP-OFDM QPSK	1@268	21.89	18.39	0.0690
7	15	50	509000	2545	DFT-s-OFDM PI/2 BPSK	135@67	22.95	19.45	0.0881
7	15	50	509000	2545	DFT-s-OFDM PI/2 BPSK	1@1	22.59	19.09	0.0811
7	15	50	509000	2545	DFT-s-OFDM PI/2 BPSK	1@268	22.92	19.42	0.0875
7	15	50	509000	2545	DFT-s-OFDM QPSK	135@67	22.98	19.48	0.0887
7	15	50	509000	2545	DFT-s-OFDM QPSK	1@1	22.78	19.28	0.0847
7	15	50	509000	2545	DFT-s-OFDM QPSK	1@268	23.03	19.53	0.0897
7	15	50	509000	2545	DFT-s-OFDM 16 QAM	135@67	22.16	18.66	0.0735
7	15	50	509000	2545	DFT-s-OFDM 16 QAM	1@1	21.99	18.49	0.0706
7	15	50	509000	2545	DFT-s-OFDM 16 QAM	1@268	22.26	18.76	0.0752
7	15	50	509000	2545	DFT-s-OFDM 64 QAM	135@67	20.65	17.15	0.0519
7	15	50	509000	2545	DFT-s-OFDM 64 QAM	1@1	20.1	16.6	0.0457
7	15	50	509000	2545	DFT-s-OFDM 64 QAM	1@268	20.43	16.93	0.0493
7	15	50	509000	2545	DFT-s-OFDM 256 QAM	135@67	18.54	15.04	0.0319
7	15	50	509000	2545	DFT-s-OFDM 256 QAM	1@1	18.14	14.64	0.0291
7	15	50	509000	2545	DFT-s-OFDM 256 QAM	1@268	18.43	14.93	0.0311
7	15	50	509000	2545	CP-OFDM QPSK	135@67	21.63	18.13	0.0650
7	15	50	509000	2545	CP-OFDM QPSK	1@1	21.24	17.74	0.0594
7	15	50	509000	2545	CP-OFDM QPSK	1@268	21.5	18	0.0631

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0063	PASS	NV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0039	PASS	LV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0023	PASS	HV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0021	PASS	-30°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0046	PASS	-20°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0063	PASS	-10°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0066	PASS	0°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0025	PASS	10°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0063	PASS	20°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0045	PASS	30°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0058	PASS	40°C
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0025	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
7	15	20	502000	2510.0	DFT-s-OFDM PI/2 BPSK	100@0	4.07	13	PASS
7	15	20	502000	2510.0	DFT-s-OFDM PI/2 BPSK	1@0	3.21	13	PASS
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	100@0	5.22	13	PASS
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	3.92	13	PASS
7	15	20	507000	2535.0	DFT-s-OFDM PI/2 BPSK	100@0	4.19	13	PASS
7	15	20	507000	2535.0	DFT-s-OFDM PI/2 BPSK	1@0	3.14	13	PASS
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	5.37	13	PASS
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	1@0	3.84	13	PASS
7	15	20	512000	2560.0	DFT-s-OFDM PI/2 BPSK	100@0	4.05	13	PASS
7	15	20	512000	2560.0	DFT-s-OFDM PI/2 BPSK	1@0	2.93	13	PASS
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	100@0	5.21	13	PASS
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	3.54	13	PASS

N7(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Low_CH



N7(20M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Low_CH



N7(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N7(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N7(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N7(20M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Mid_CH



N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N7(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



N7(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

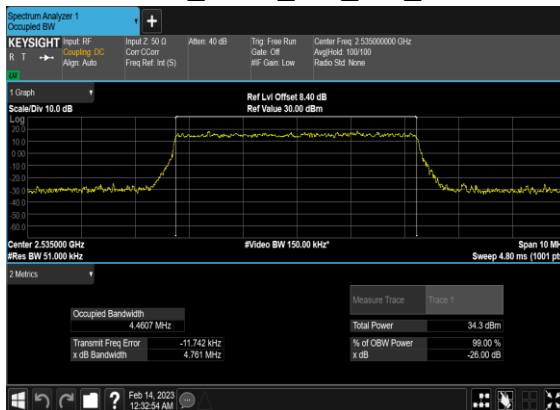


Occupied Bandwidth

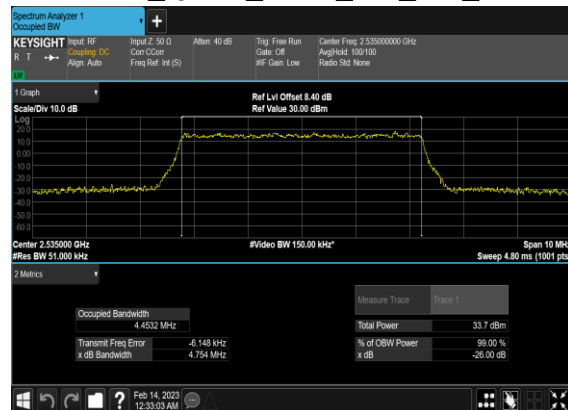
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
7	15	5	507000	2535.0	DFT-s-OFDM PI/2 BPSK	25@0	4.4607	4.761
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	25@0	4.4532	4.754
7	15	5	507000	2535.0	CP-OFDM QPSK	25@0	4.4576	4.815
7	15	5	507000	2535.0	CP-OFDM 16 QAM	25@0	4.4542	4.789
7	15	5	507000	2535.0	CP-OFDM 64 QAM	25@0	4.4568	4.779
7	15	5	507000	2535.0	CP-OFDM 256 QAM	25@0	4.4626	4.809
7	15	10	507000	2535.0	DFT-s-OFDM PI/2 BPSK	50@0	8.9364	9.541
7	15	10	507000	2535.0	DFT-s-OFDM QPSK	50@0	8.9086	9.583
7	15	10	507000	2535.0	CP-OFDM QPSK	52@0	9.2728	9.849
7	15	10	507000	2535.0	CP-OFDM 16 QAM	52@0	9.2872	9.842
7	15	10	507000	2535.0	CP-OFDM 64 QAM	52@0	9.2943	9.837
7	15	10	507000	2535.0	CP-OFDM 256 QAM	52@0	9.2684	9.776
7	15	15	507000	2535.0	DFT-s-OFDM PI/2 BPSK	75@0	13.414	14.11
7	15	15	507000	2535.0	DFT-s-OFDM QPSK	75@0	13.442	14.06
7	15	15	507000	2535.0	CP-OFDM QPSK	79@0	14.121	14.7
7	15	15	507000	2535.0	CP-OFDM 16 QAM	79@0	14.096	14.67
7	15	15	507000	2535.0	CP-OFDM 64 QAM	79@0	14.121	14.82
7	15	15	507000	2535.0	CP-OFDM 256 QAM	79@0	14.064	14.73
7	15	20	507000	2535.0	DFT-s-OFDM PI/2 BPSK	100@0	17.867	18.75
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	17.804	18.97
7	15	20	507000	2535.0	CP-OFDM QPSK	106@0	18.882	19.76
7	15	20	507000	2535.0	CP-OFDM 16 QAM	106@0	18.888	19.73
7	15	20	507000	2535.0	CP-OFDM 64 QAM	106@0	18.892	19.76
7	15	20	507000	2535.0	CP-OFDM 256 QAM	106@0	18.901	19.89

7	15	25	507000	2535.0	DFT-s-OFDM PI/2 BPSK	128@0	22.765	23.51
7	15	25	507000	2535.0	DFT-s-OFDM QPSK	128@0	22.945	23.81
7	15	25	507000	2535.0	CP-OFDM QPSK	133@0	23.76	24.82
7	15	25	507000	2535.0	CP-OFDM 16 QAM	133@0	23.755	24.86
7	15	25	507000	2535.0	CP-OFDM 64 QAM	133@0	23.771	24.7
7	15	25	507000	2535.0	CP-OFDM 256 QAM	133@0	23.773	24.64
7	15	30	507000	2535.0	DFT-s-OFDM PI/2 BPSK	160@0	28.578	29.56
7	15	30	507000	2535.0	DFT-s-OFDM QPSK	160@0	28.597	29.64
7	15	30	507000	2535.0	CP-OFDM QPSK	160@0	28.618	29.58
7	15	30	507000	2535.0	CP-OFDM 16 QAM	160@0	28.54	29.59
7	15	30	507000	2535.0	CP-OFDM 64 QAM	160@0	28.587	29.49
7	15	30	507000	2535.0	CP-OFDM 256 QAM	160@0	28.592	29.57
7	15	40	507000	2535.0	DFT-s-OFDM PI/2 BPSK	216@0	38.644	40.08
7	15	40	507000	2535.0	DFT-s-OFDM QPSK	216@0	38.553	39.95
7	15	40	507000	2535.0	CP-OFDM QPSK	216@0	38.61	40.12
7	15	40	507000	2535.0	CP-OFDM 16 QAM	216@0	38.599	39.96
7	15	40	507000	2535.0	CP-OFDM 64 QAM	216@0	38.693	39.87
7	15	40	507000	2535.0	CP-OFDM 256 QAM	216@0	38.624	39.86
7	15	50	507000	2535.0	DFT-s-OFDM PI/2 BPSK	270@0	48.125	49.79
7	15	50	507000	2535.0	DFT-s-OFDM QPSK	270@0	48.171	49.77
7	15	50	507000	2535.0	CP-OFDM QPSK	270@0	48.238	49.92
7	15	50	507000	2535.0	CP-OFDM 16 QAM	270@0	48.081	49.77
7	15	50	507000	2535.0	CP-OFDM 64 QAM	270@0	48.144	49.72
7	15	50	507000	2535.0	CP-OFDM 256 QAM	270@0	48.118	49.83

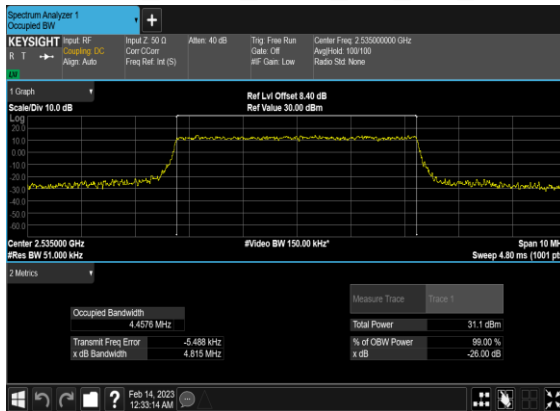
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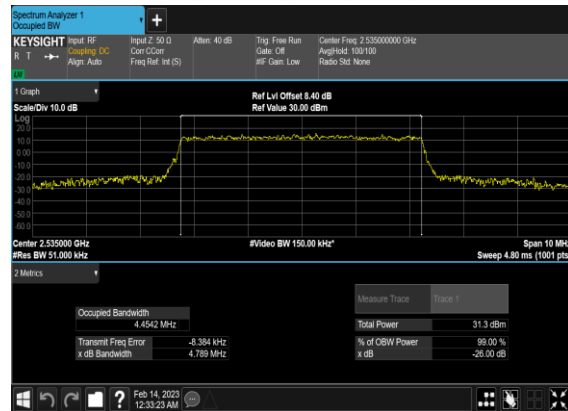
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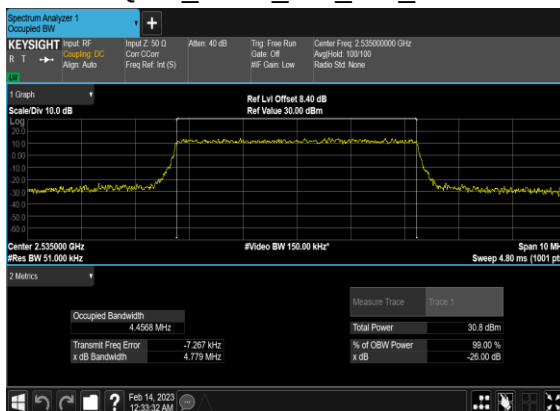
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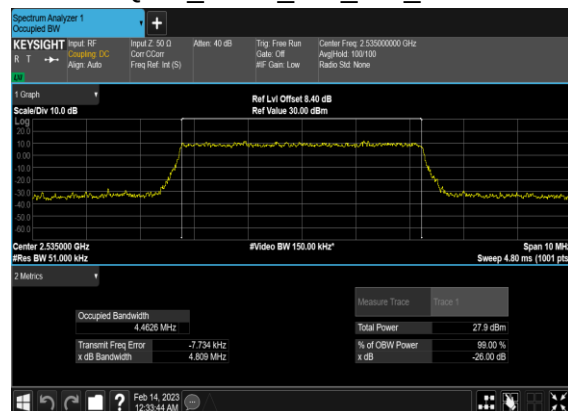
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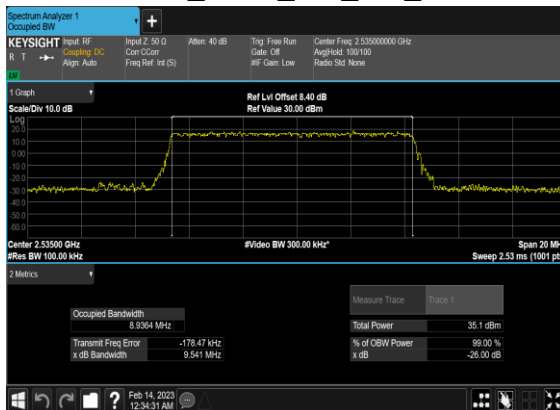
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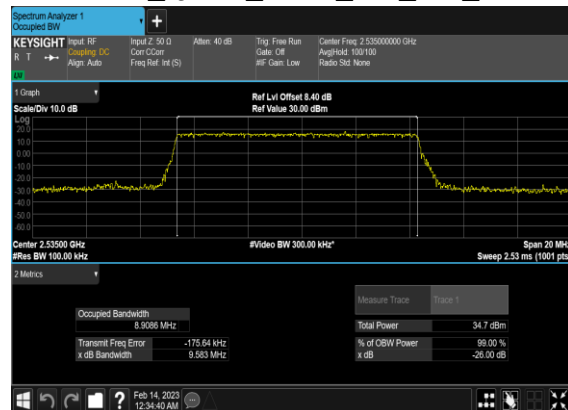
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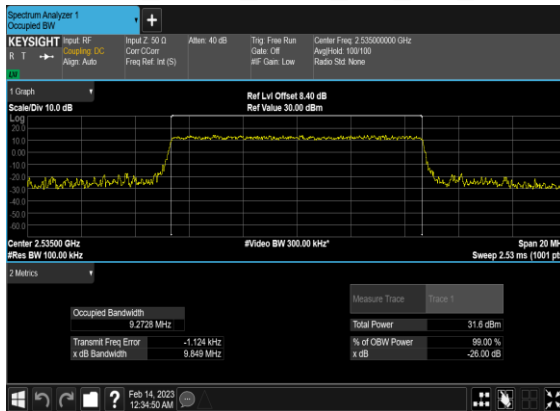
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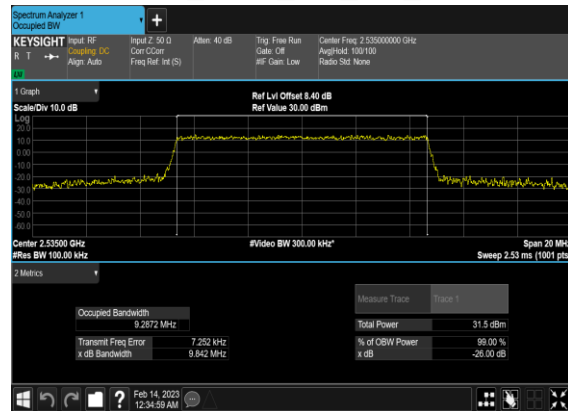
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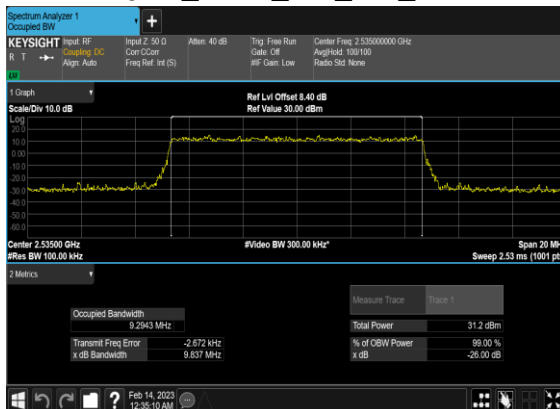
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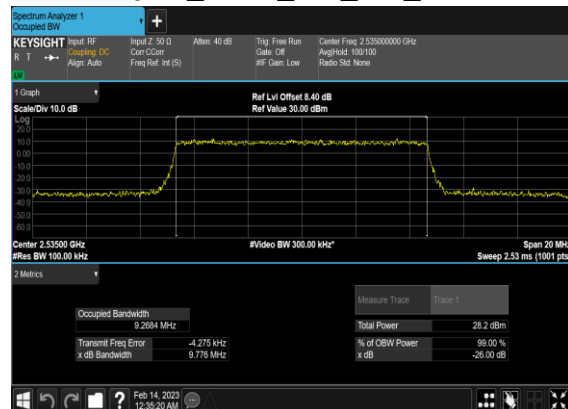
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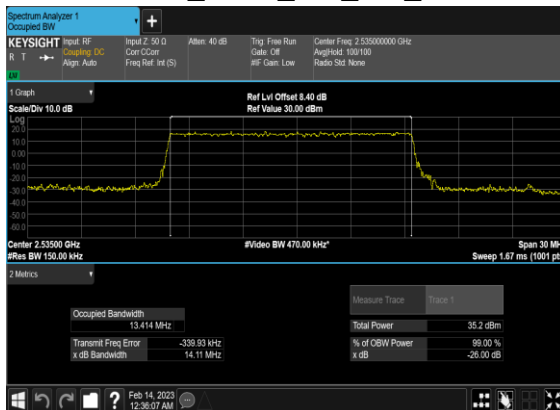
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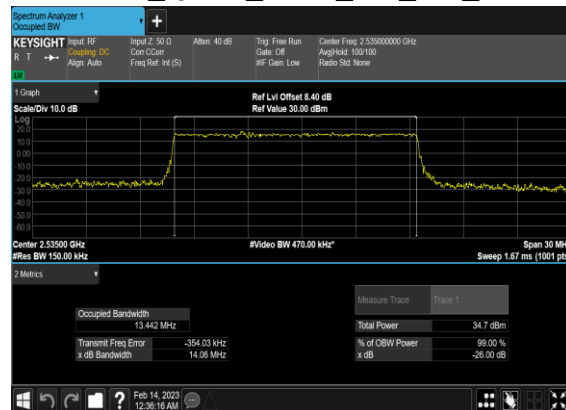
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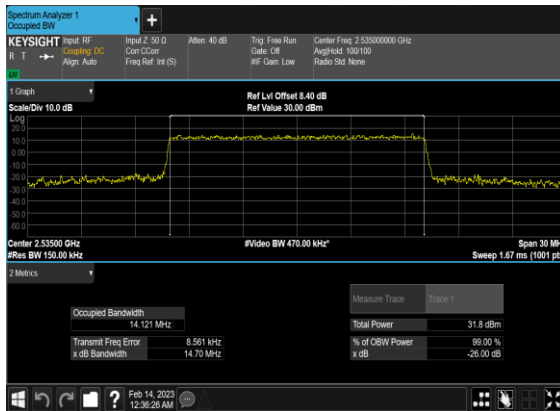
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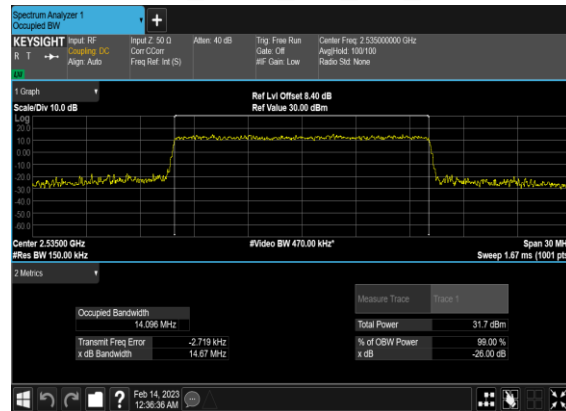
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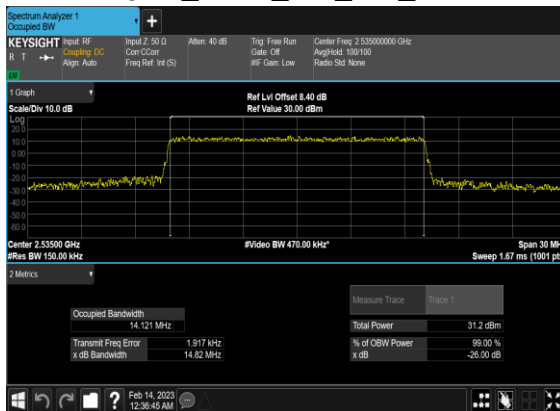
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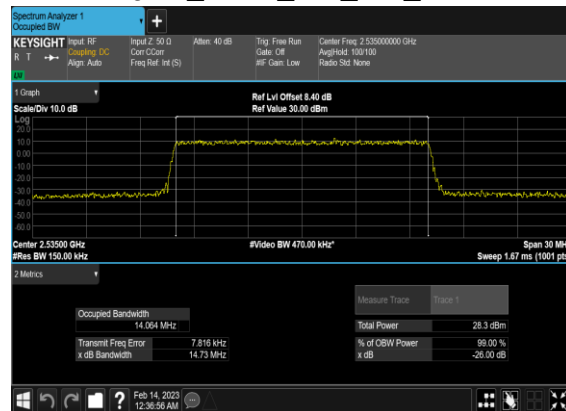
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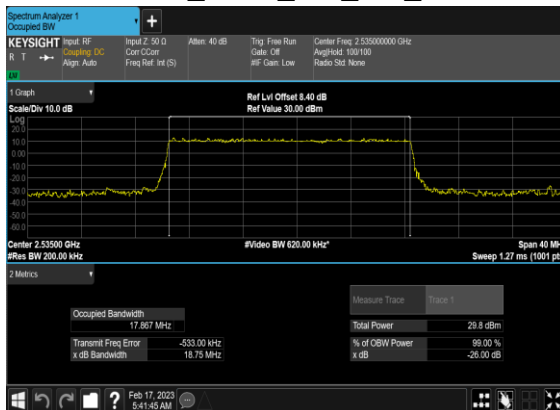
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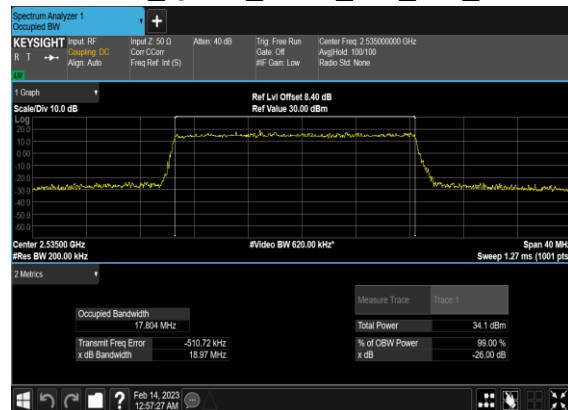
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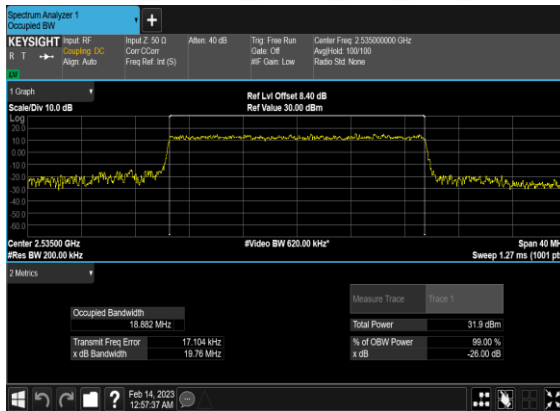
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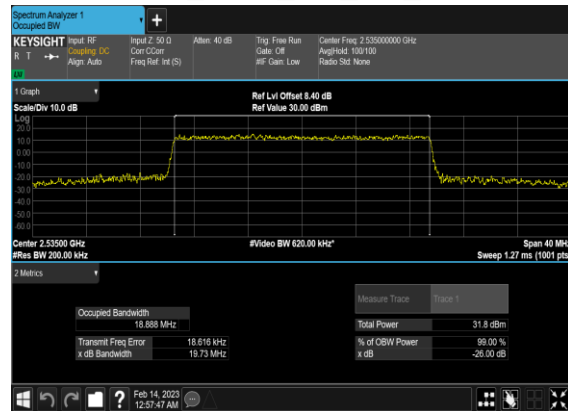
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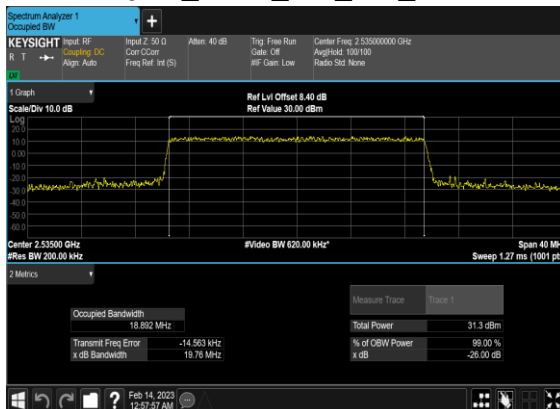
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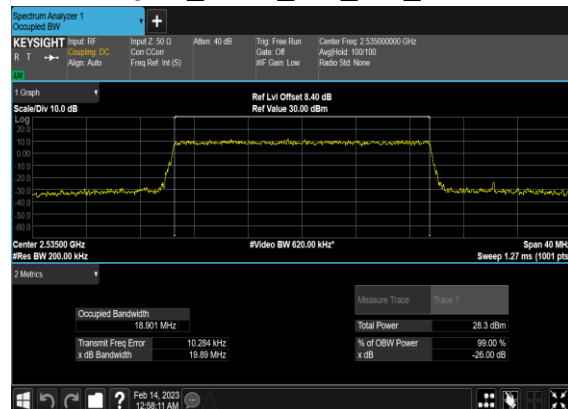
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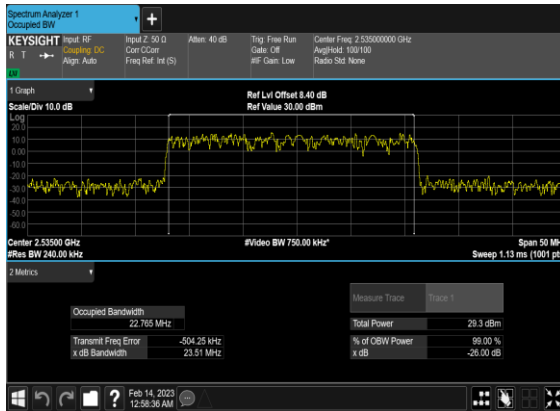
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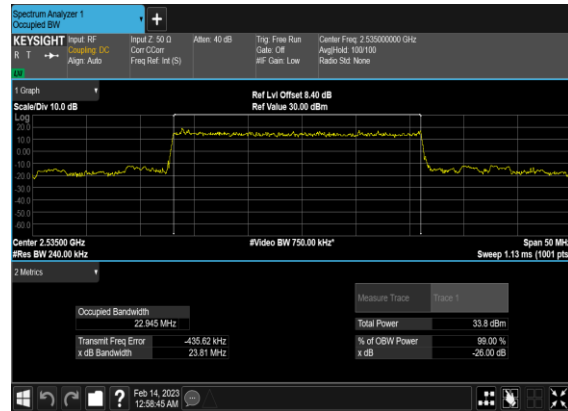
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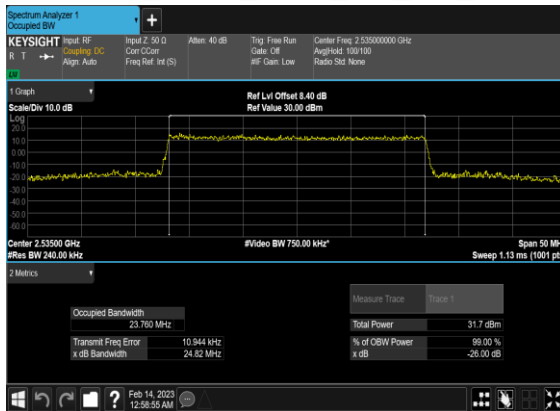
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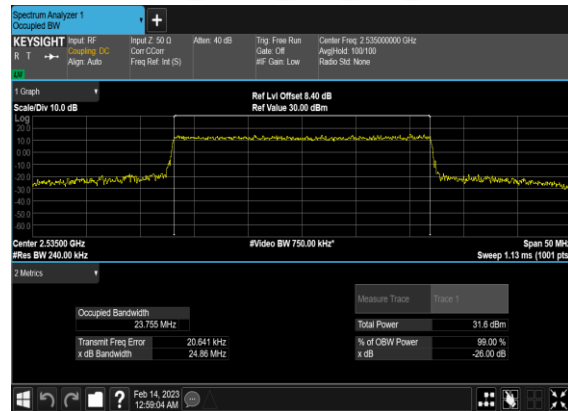
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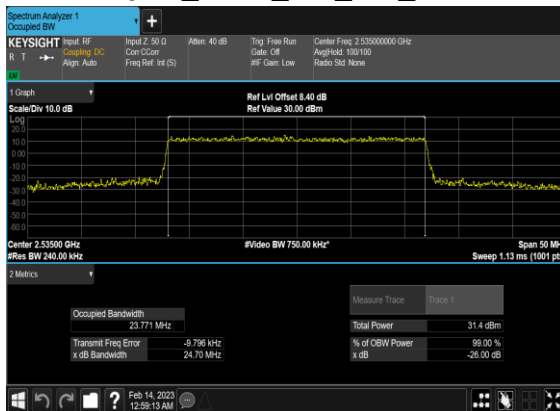
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QAM_Outer_Full_Mid_CH



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QAM_Outer_Full_Mid_CH



N7(25M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

