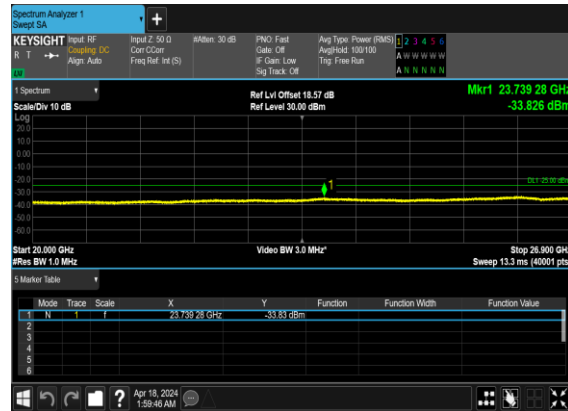


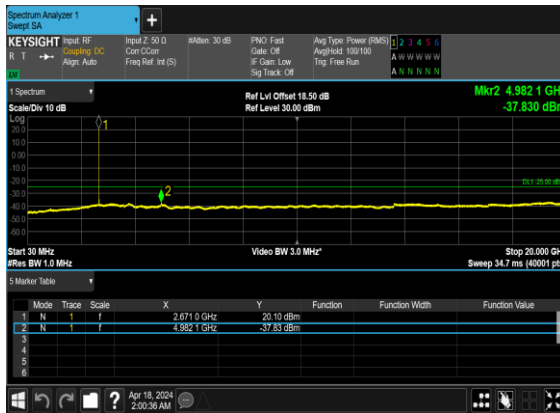
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



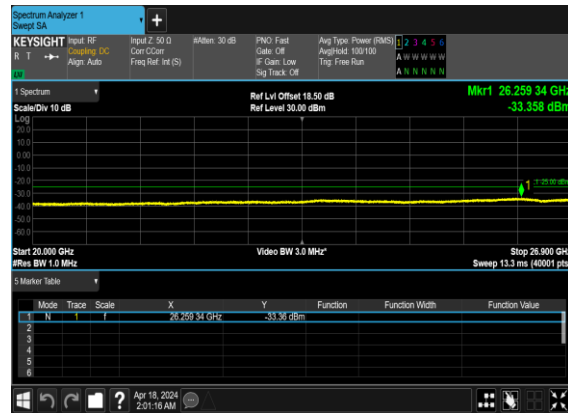
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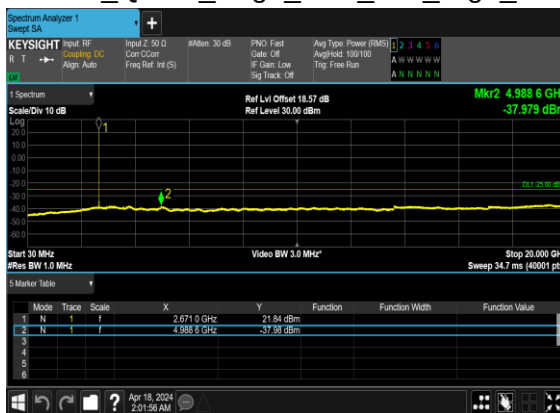
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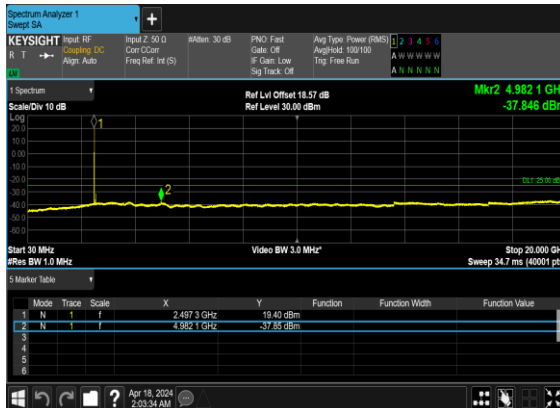
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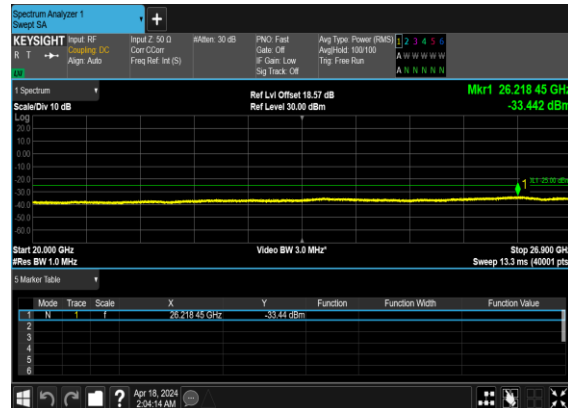
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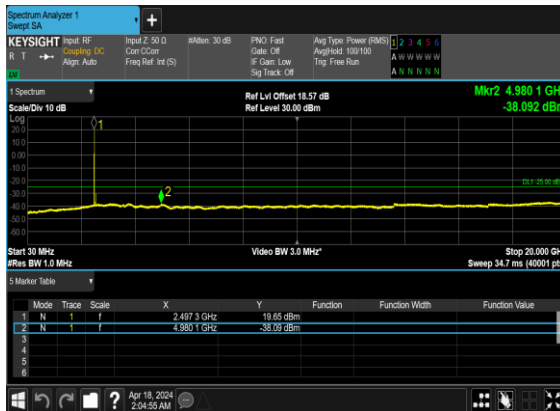
N41(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



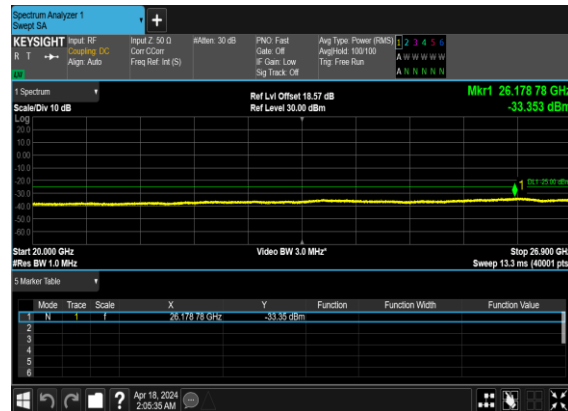
N41(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



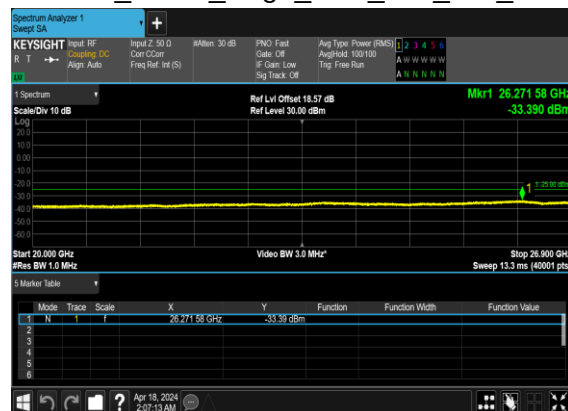
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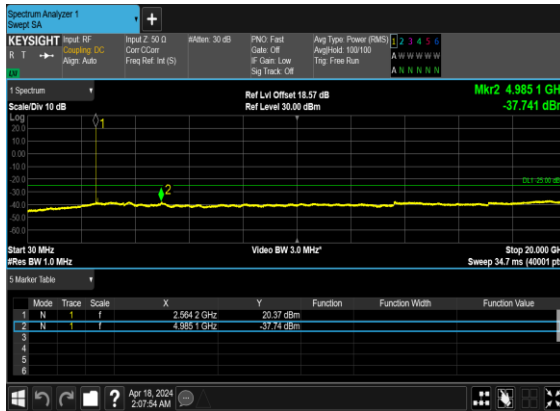
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OFDM_BPSK_Edge_1RB_Left_Mid_CH



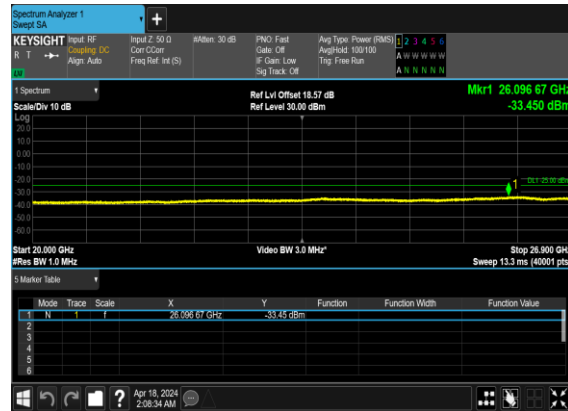
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OFDM_BPSK_Edge_1RB_Left_Mid_CH



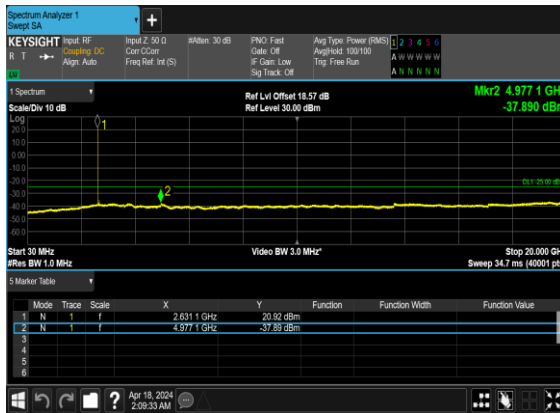
N41(60M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



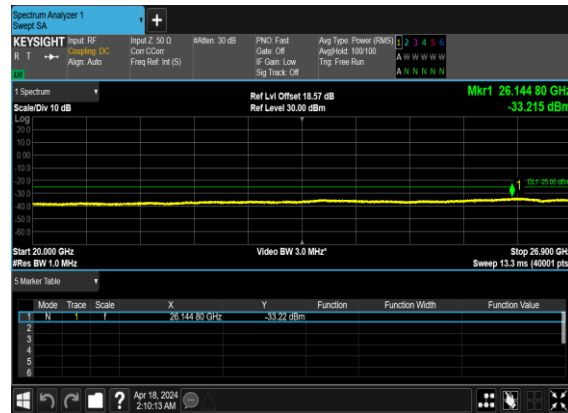
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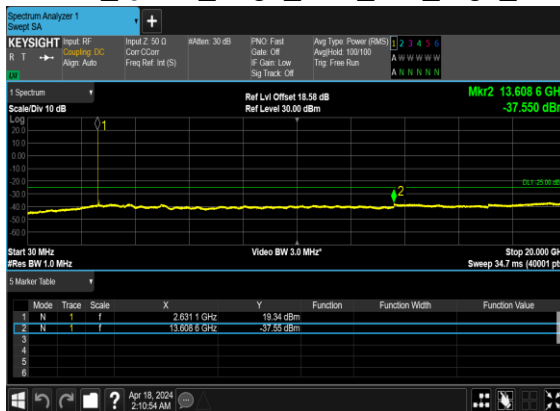
N41(60M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



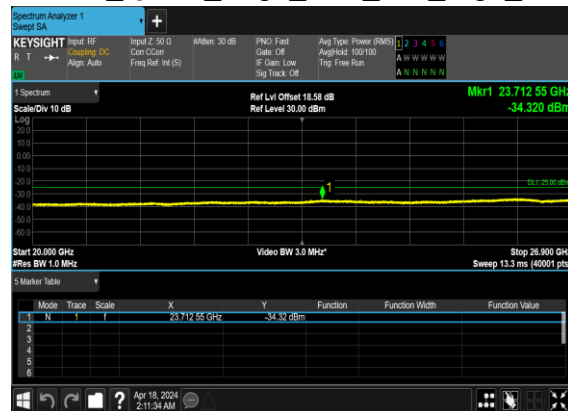
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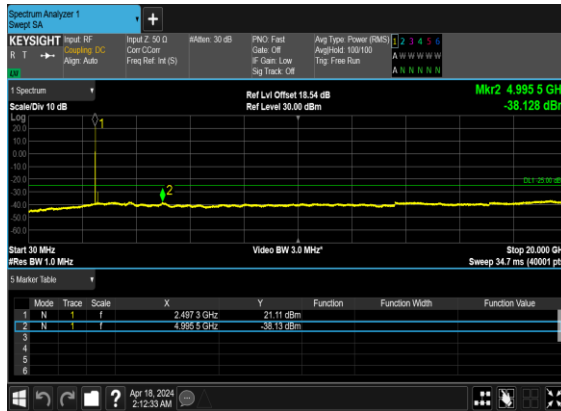
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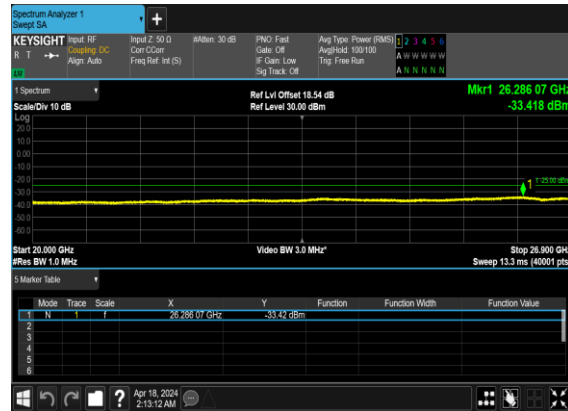
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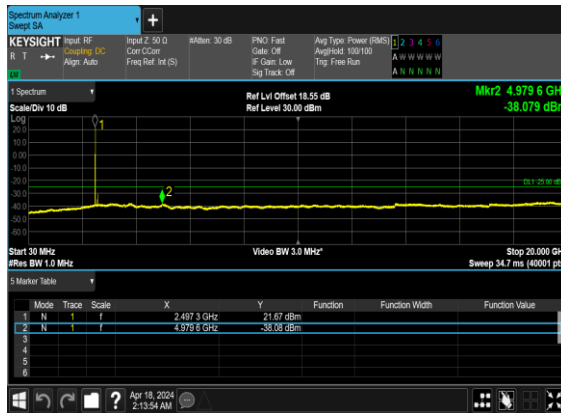
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



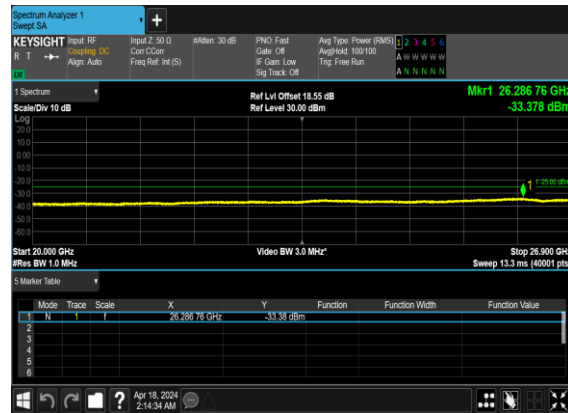
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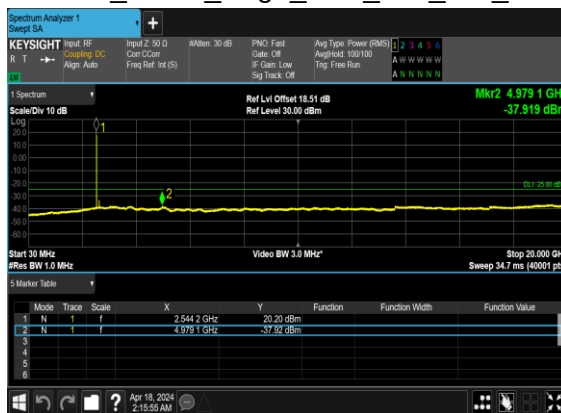
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



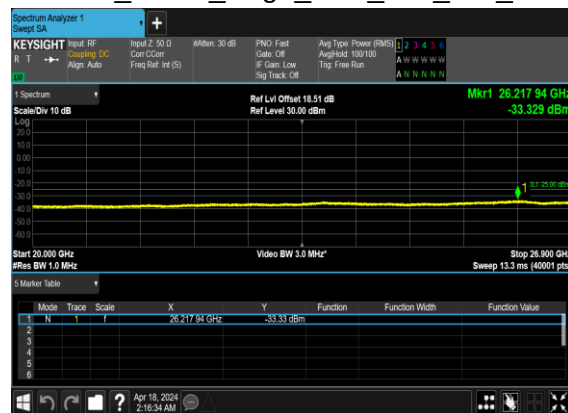
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



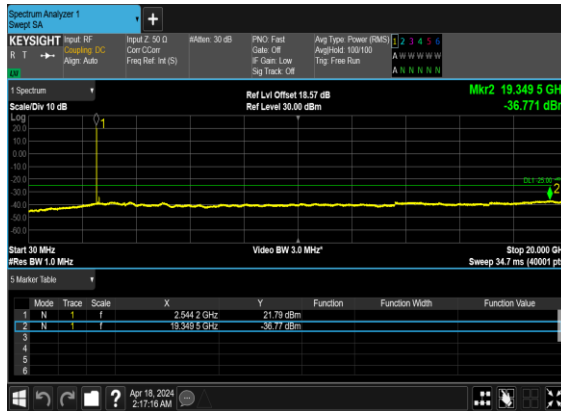
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



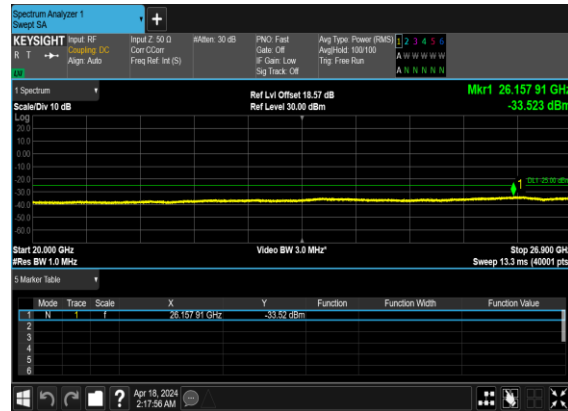
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



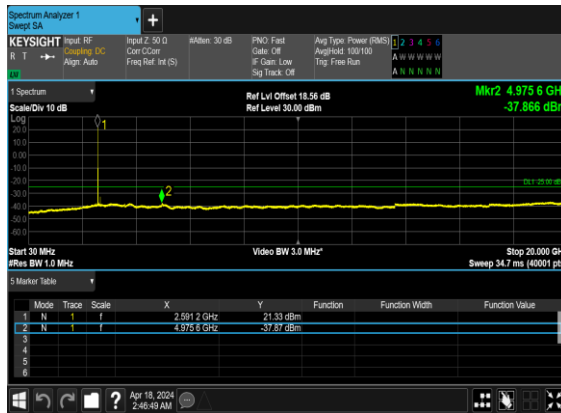
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



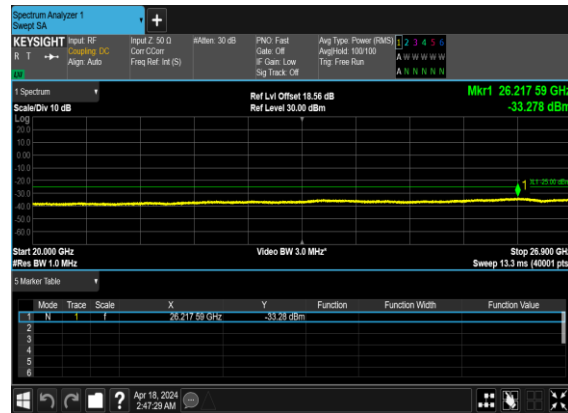
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



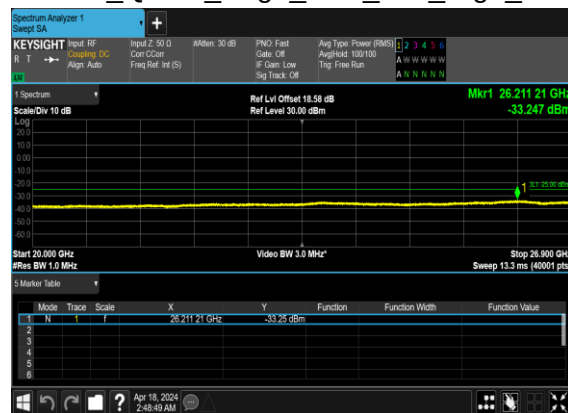
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



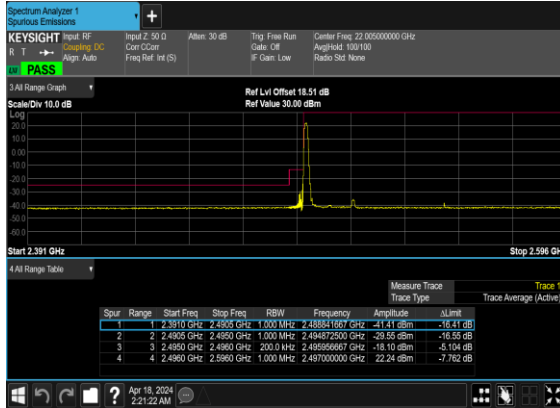
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



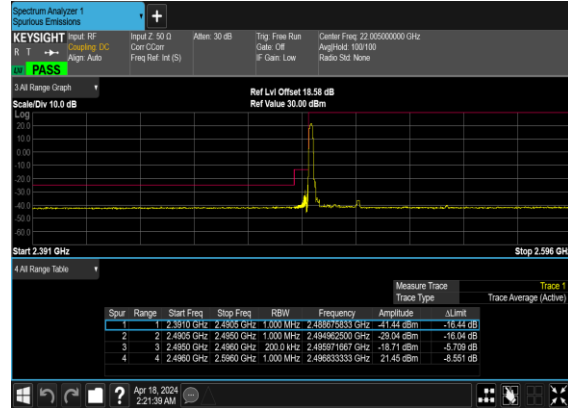
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	20	501204	2506.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	20	501204	2506.02	DFT-s-OFDM BPSK	50@0	see graph	PASS
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	see graph	PASS
41	30	20	535998	2679.99	DFT-s-OFDM BPSK	1@50	see graph	PASS
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@50	see graph	PASS
41	30	20	535998	2679.99	DFT-s-OFDM BPSK	50@0	see graph	PASS
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	see graph	PASS
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	162@0	see graph	PASS
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	162@0	see graph	PASS
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	1@161	see graph	PASS
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@161	see graph	PASS
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	162@0	see graph	PASS
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	162@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	270@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	270@0	see graph	PASS

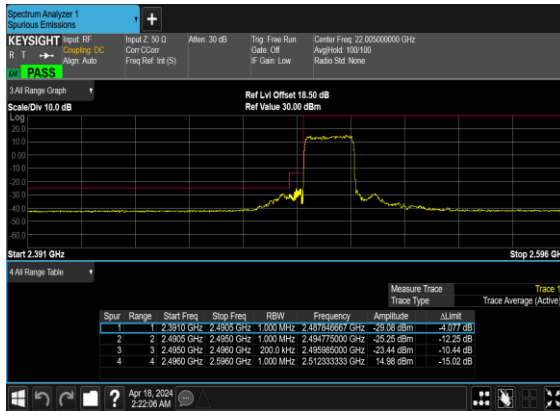
N41(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



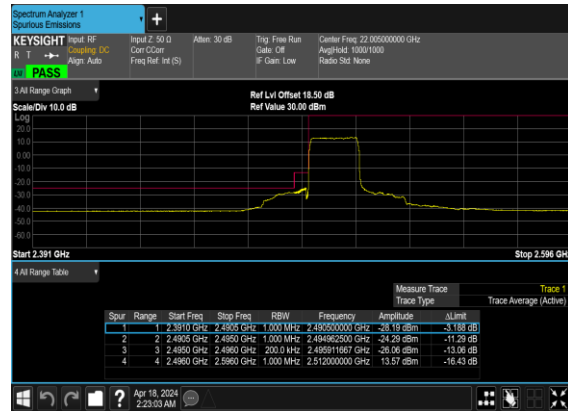
N41(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



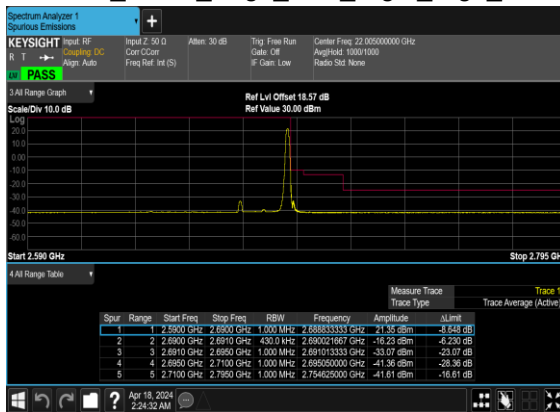
N41(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



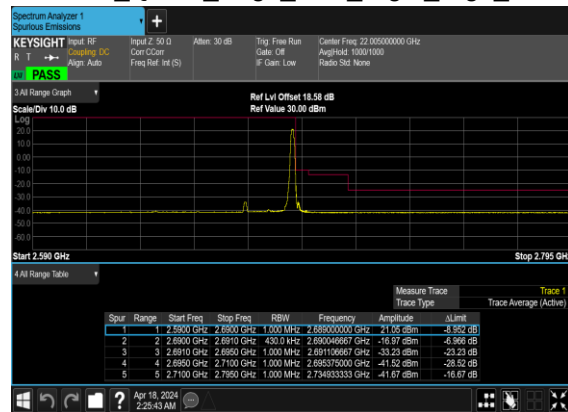
N41(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



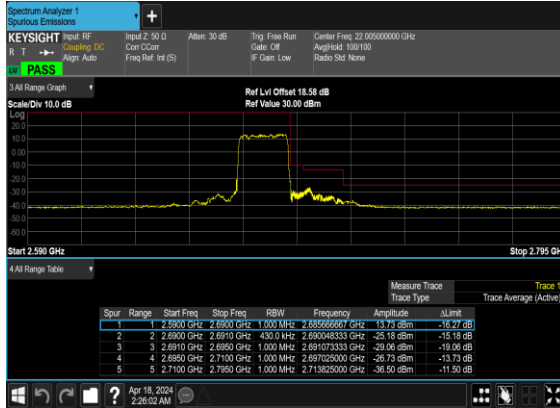
N41(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



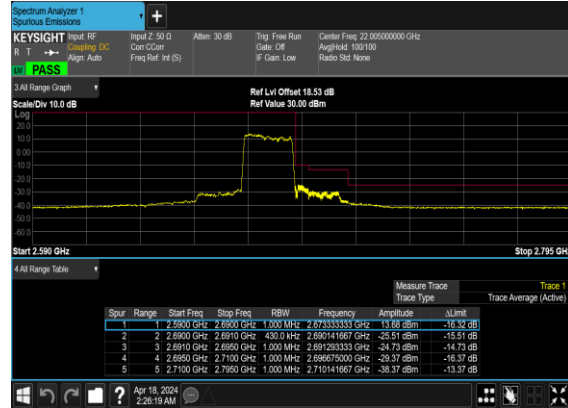
N41(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



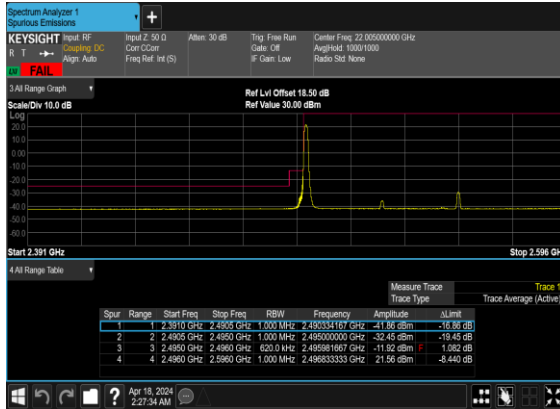
N41(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



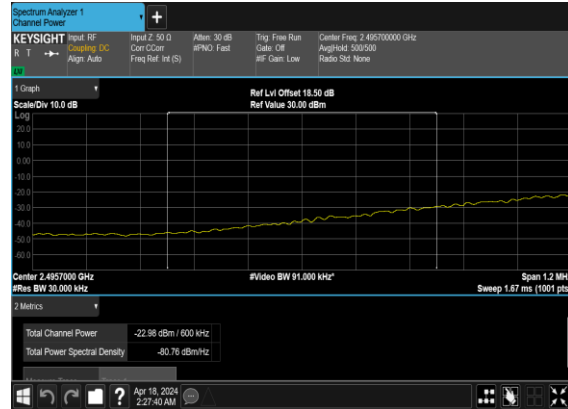
N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



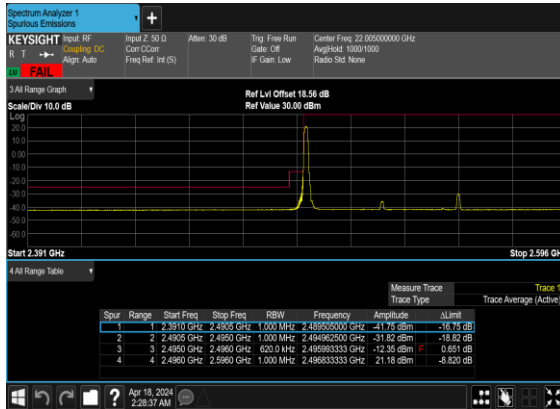
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



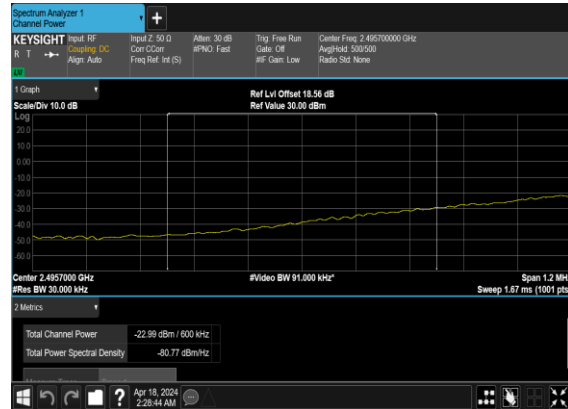
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



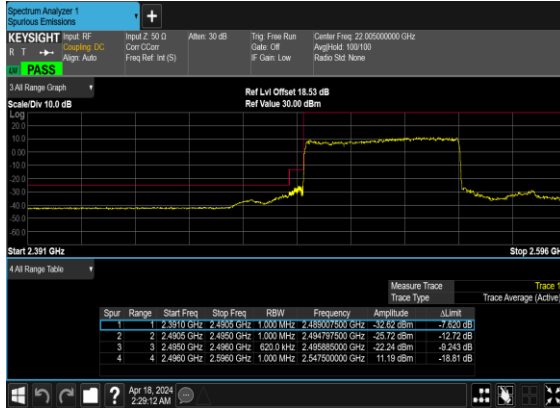
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



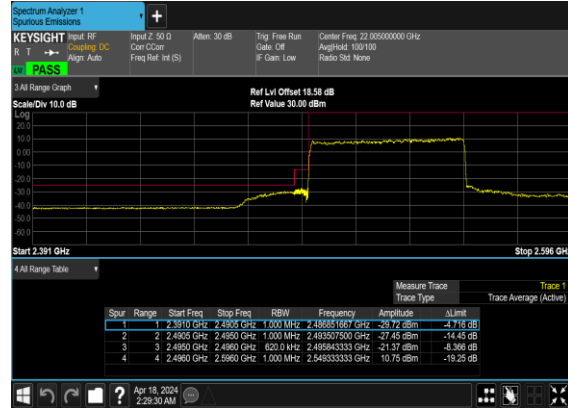
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



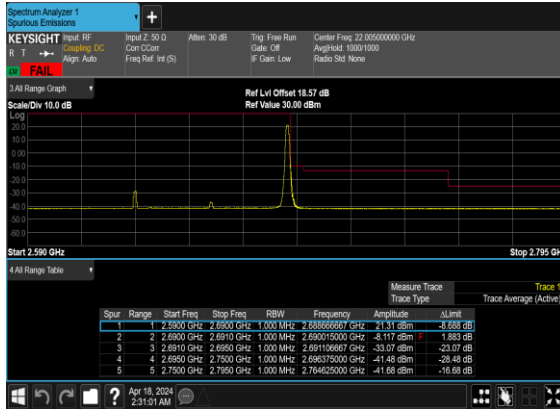
N41(60M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



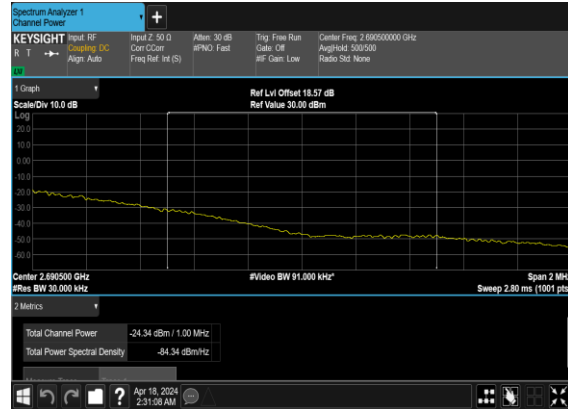
N41(60M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



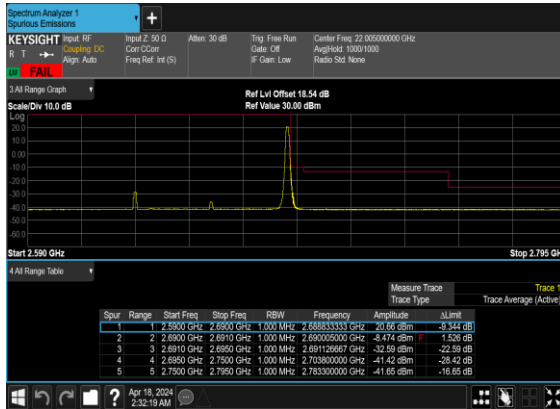
N41(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



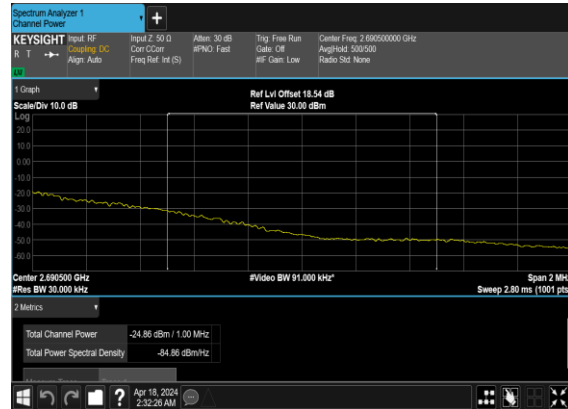
N41(60M)_DFT-s-OFDM_BPSK_
Edge_1RB_Right_High_CH_CHP_PASS



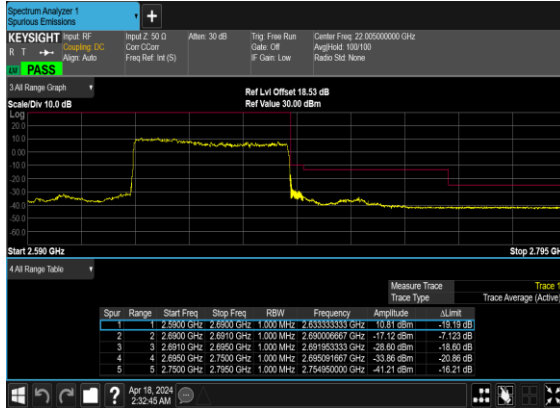
N41(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



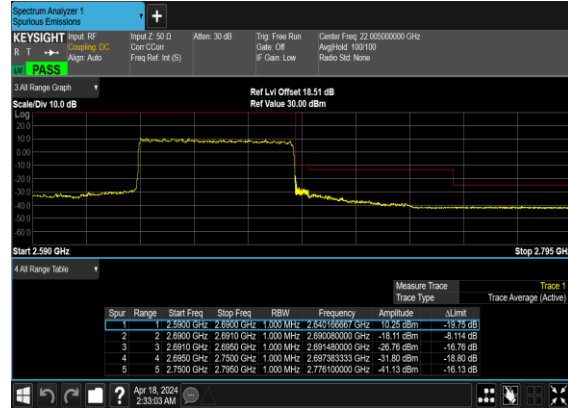
N41(60M)_DFT-s-OFDM_QPSK_
Edge_1RB_Right_High_CH_CHP_PASS



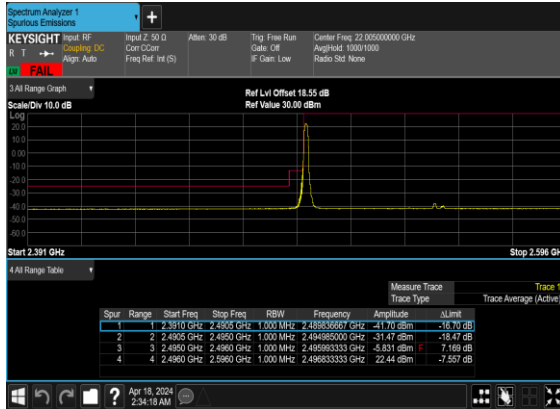
N41(60M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



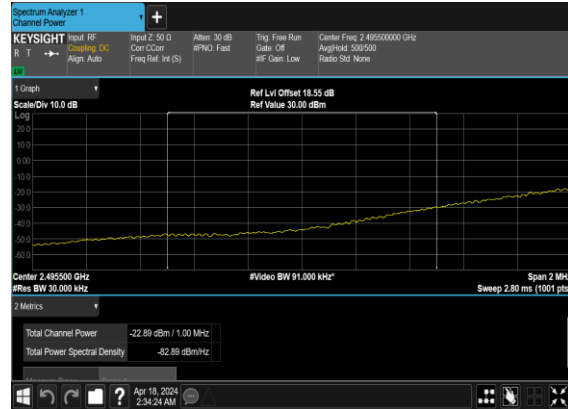
N41(60M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



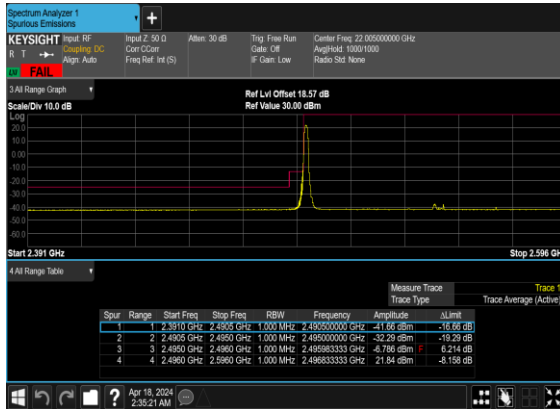
N41(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



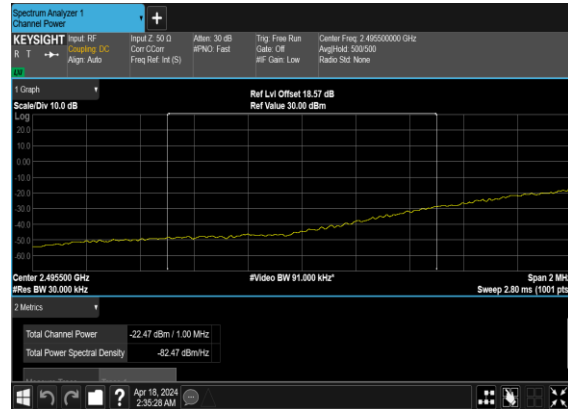
N41(100M)_DFT-s-OFDM_BPSK
_Edge_1RB_Left_Low_CH_CHP_PASS



N41(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(100M)_DFT-s-OFDM_QPSK
_Edge_1RB_Left_Low_CH_CHP_PASS



Keysight Spectrum Analyzer 1
Spectrum Emulation

KEYSIGHT **Imped** **DC**
B T $\rightarrow$ **Align** **Auto**

Input 2: 50.0
Corr Coef
Freq Ref: Int (S)

Attain: 30.0
Trig Freq: Real
Gate: Off
IF Gain: Low

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

dB PASS

3.44 Range Graph
Scale/Div: 10.0 dB
Log
Ref Lvl Offset: 18.58 dB
Ref Value: 30.00 dBm

Start 2.391 GHz
Stop 2.596 GHz

4 dB Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Level
1	2	2.4910 GHz	2.4950 GHz	1.000 MHz	2.492000000 GHz	-26.10 dBm	-3.307 dB
2	2	2.4950 GHz	2.4950 GHz	1.000 MHz	2.492765000 GHz	-24.51 dBm	-11.51 dB
3	3	2.4950 GHz	2.4960 GHz	1.000 MHz	2.495900000 GHz	-18.08 dBm	-6.079 dB
4	4	2.4960 GHz	2.5960 GHz	1.000 MHz	2.548833333 GHz	10.34 dBm	-19.06 dB

Measure Trace
Trace Type
Trace Average (Active)

Apr 18, 2024
2:35:56 AM

The screenshot displays a Spectrum Analyzer 1 interface. At the top, the title bar reads "Spectrum Analyzer 1" and "Spectrum Emissions". Below this, the "KEYSIGHT" logo is visible, followed by "N11" and "PSS". The "Input 2: 30 D" is selected, and the "Align: Auto" is set. The "Center Freq" is 22,000,000,000 GHz, and the "Span" is 100,100. The "Ref Lvl Offset" is 18.52 dBm, and the "Ref Value" is 30.00 dBm. The "Scale/Div" is 10.0 dB. The "Start" frequency is 2,391 GHz, and the "Stop" frequency is 2,596 GHz. The "4 All Range Table" is expanded, showing a table of spurs. The table has columns for Spur, Range, Start Freq, Stop Freq, RBW, Frequency, Amplitude, and dLmt. The table contains four rows of data, with the first row highlighted in blue. The bottom status bar shows the date and time: "Apr 18, 2024 2:36:13 AM".

Input 2: 30 D
Align: Auto
Center Freq: 22,000,000,000 GHz
Span: 100,100
Ref Lvl Offset: 18.52 dBm
Ref Value: 30.00 dBm

Scale/Div: 10.0 dB

Start: 2,391 GHz
Stop: 2,596 GHz

4 All Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	dLmt
1	1	2,391.0 GHz	2,391.0 GHz	1.000 MHz	2,391,000,000.000 GHz	-3.15 dBm	-3.15 dBm
2	2	2,495.0 GHz	2,495.0 GHz	1.000 MHz	2,495,000,000.000 GHz	-26.14 dBm	-13.02 dBm
3	3	2,495.0 GHz	2,496.0 GHz	1.000 MHz	2,495,850,000.000 GHz	-19.29 dBm	-6.288 dBm
4	4	2,496.0 GHz	2,596.0 GHz	1.000 MHz	2,527,933,333.333 GHz	6.681 dBm	-23.12 dBm

Measure Trace
Trace Type
Trace Average (Trace 1)

Apr 18, 2024 2:36:13 AM

Spectrum Analyzer 1
 Spurious Emissions
 KEYSIGHT Input RF
 R 1 Channels DC
 Align: Auto
 Span: FAIL
 Center Freq: 2.950 GHz
 Span: 400 kHz
 Res: 30 dB
 Ref: 30 dBm
 Freq Ref: Int (S)
 Trig Mode: Run
 Gate: Off
 IF Gain: Low
 Center Freq: 2.950000000 GHz
 Span: 400.000 kHz
 Ratio Std: None
 3 kHz Range Graph
 Ref Lvl Offset: 18.57 dB
 Ref Value: 30.00 dBm
 100 dBm
 80 dBm
 60 dBm
 40 dBm
 20 dBm
 0 dBm
 -20 dBm
 -40 dBm
 -60 dBm
 Start: 2.950 GHz
 Stop: 2.950 GHz
 4 kHz Range Table
 Measure Trace
 Trace Type Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	dLimit
1	1	2.9500 GHz	2.9500 GHz	1.000 MHz	2.950000000 GHz	-21.90 dBm	-3.605 dB
2	2	2.9490 GHz	2.9490 GHz	1.000 MHz	2.949000000 GHz	-47.60 dBm	-3.304 dB
3	3	2.9510 GHz	2.9510 GHz	1.000 MHz	2.951000000 GHz	-34.02 dBm	-24.02 dB
4	4	2.9500 GHz	2.9500 GHz	1.000 MHz	2.950000000 GHz	-41.51 dBm	-28.51 dB
5	5	2.9500 GHz	2.9500 GHz	1.000 MHz	2.950000000 GHz	-41.65 dBm	-16.65 dB

 Apr 19, 2024
 2:37:44 AM

Spectrum Analyzer 1
Channel Power

KEYSIGHT	Input RF	Attenu: 30 dB	Trig: Free Run	Center Freq: 2.695000000 GHz
R 1	Measuring DC	Cont Coef	Gain: Off	Amplitude: 200.000
	Align: Auto	Freq Ref: Int (S)	#F Gain: Low	Ratio Std: None

1 Graph

Scale Div 10.0 dB

Ref Lvl Offset 18.57 dB
Ref Value 30.00 dBm

Center 2.695000 GHz
#Video BW 91.000 kHz

Span 2 MHz
Sweep 2.80 ms (1001 pts)

2 Metrics
Total Channel Power -25.32 dBm / 1.00 MHz
Total Power Spectral Density -85.53 dBm/MHz

Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input RF
R 1 → → → Align: Auto
FAIL

Input: 250.0
Conn: SMC
Freq Ref: Int (S)

Attain: 30 dB
Tog: Freq Run
Gate: Off
IF Gain: Low

Center Freq: 22 000000000 GHz
AgtHdiz: 1000.100
Radio Std: None

3 dB Range Group
Scale: Div 10.0 dB
Ref Lvl Offset: 18.55 dB
Ref Value: 30.00 dBm

Start: 2.975 GHz
Stop: 2.975 GHz

4 dB Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.9800 GHz	2.9800 GHz	1.000 MHz	2.980833333 GHz	-20.46 dBm	-9.50 dB
2	2	2.9800 GHz	2.9810 GHz	1.000 MHz	2.980183333 GHz	-2.60 dBm	-2.50 dB
3	3	2.9810 GHz	2.9820 GHz	1.000 MHz	2.981000000 GHz	-34.21 dBm	-24.21 dB
4	4	2.9850 GHz	2.9900 GHz	1.000 MHz	2.987816667 GHz	-41.58 dBm	-28.59 dB
5	5	2.9900 GHz	2.9950 GHz	1.000 MHz	2.991033333 GHz	-41.68 dBm	-18.68 dB

Measure Trace
Trace Type Trace Average (Active)

Apr 19, 2024
2:39:03 AM

Spectrum Analyzer 1
Channel Power

KEYSIGHT Input: RF Frequency: 2.895000000 GHz Span: 2 MHz
 R 1 → Align: Auto Input 2: 50.0 Core C:00 Trig: Free Run Center Freq: 2.895000000 GHz
 Freq Ref: Int (S) #P:0: Fast Gain: Off Arg:0: 0.000000000
 #F: Gain: Low Radio Std: None

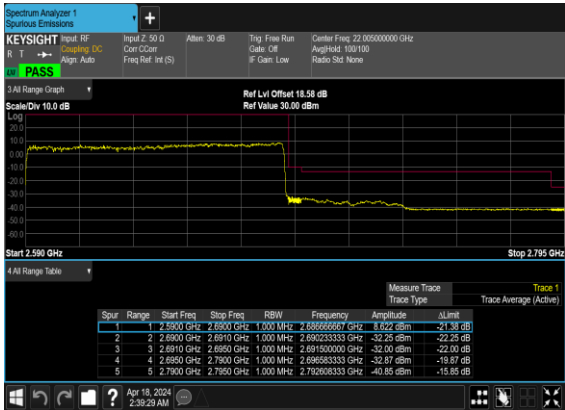
1 Graph
 Scale/Div: 10.0 dB
 Ref Lvl Offset: 18.55 dB
 Ref Value: 30.00 dBm
 #Video BW: 91.000 kHz

Center: 2.895000000 GHz
 #Res: BW: 30.000 kHz
 Span: 2 MHz
 Sweep: 2.80 ms (1001 pts)

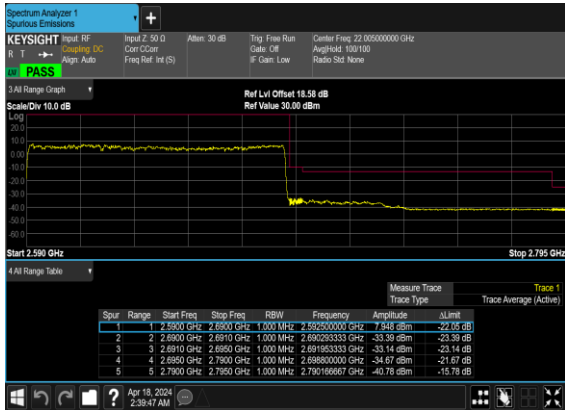
2 Metrics
 Total Channel Power: -24.35 dBm / 1.00 MHz
 Total Power Spectral Density: -84.35 dBm/Hz

Apr 18, 2024
 2:39:10 AM

N41(100M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N41(100M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



FR1 n66 (ANT1)

LTE Band: 2(ANT0), LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=3.2dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@1	22.89	26.09	0.4064
66	15	5	342500	1712.5	DFT-s-OFDM 16 QAM	1@1	22.01	25.21	0.3319
66	15	5	349000	1745	DFT-s-OFDM QPSK	1@1	22.48	25.68	0.3698
66	15	5	349000	1745	DFT-s-OFDM 16 QAM	1@1	21.67	24.87	0.3069
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@1	23.02	26.22	0.4188
66	15	5	355500	1777.5	DFT-s-OFDM 16 QAM	1@1	22.14	25.34	0.3420
66	15	10	343000	1715	DFT-s-OFDM QPSK	1@1	22.46	25.66	0.3681
66	15	10	343000	1715	DFT-s-OFDM 16 QAM	1@1	21.68	24.88	0.3076
66	15	10	349000	1745	DFT-s-OFDM QPSK	1@1	22.47	25.67	0.3690
66	15	10	349000	1745	DFT-s-OFDM 16 QAM	1@1	21.52	24.72	0.2965
66	15	10	355000	1775	DFT-s-OFDM QPSK	1@1	23.18	26.38	0.4345
66	15	10	355000	1775	DFT-s-OFDM 16 QAM	1@1	22.25	25.45	0.3508
66	15	15	343500	1717.5	DFT-s-OFDM QPSK	1@1	22.85	26.05	0.4027
66	15	15	343500	1717.5	DFT-s-OFDM 16 QAM	1@1	21.22	24.42	0.2767
66	15	15	349000	1745	DFT-s-OFDM QPSK	1@1	22.06	25.26	0.3357
66	15	15	349000	1745	DFT-s-OFDM 16 QAM	1@1	21.35	24.55	0.2851
66	15	15	354500	1772.5	DFT-s-OFDM QPSK	1@1	23.02	26.22	0.4188
66	15	15	354500	1772.5	DFT-s-OFDM 16 QAM	1@1	22.27	25.47	0.3524
66	15	20	344000	1720	DFT-s-OFDM QPSK	1@1	22.11	25.31	0.3396
66	15	20	344000	1720	DFT-s-OFDM 16 QAM	1@1	21.1	24.3	0.2692
66	15	20	349000	1745	DFT-s-OFDM QPSK	1@1	23.05	26.25	0.4217
66	15	20	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.66	25.86	0.3855
66	15	20	354000	1770	DFT-s-OFDM QPSK	1@1	23.1	26.3	0.4266
66	15	20	354000	1770	DFT-s-OFDM 16 QAM	1@1	22.33	25.53	0.3573
66	15	25	344500	1722.5	DFT-s-OFDM QPSK	1@1	23.08	26.28	0.4246
66	15	25	344500	1722.5	DFT-s-OFDM 16 QAM	1@1	22.28	25.48	0.3532
66	15	25	349000	1745	DFT-s-OFDM QPSK	1@1	23.28	26.48	0.4446
66	15	25	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.53	25.73	0.3741
66	15	25	353500	1767.5	DFT-s-OFDM QPSK	1@1	23.29	26.49	0.4457
66	15	25	353500	1767.5	DFT-s-OFDM 16 QAM	1@1	22.44	25.64	0.3664
66	15	30	345000	1725	DFT-s-OFDM QPSK	1@1	23.18	26.38	0.4345
66	15	30	345000	1725	DFT-s-OFDM 16 QAM	1@1	22.35	25.55	0.3589
66	15	30	349000	1745	DFT-s-OFDM QPSK	1@1	23.25	26.45	0.4416
66	15	30	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.22	25.42	0.3483
66	15	30	353000	1765	DFT-s-OFDM QPSK	1@1	23.44	26.64	0.4613

66	15	30	353000	1765	DFT-s-OFDM 16 QAM	1@1	22.47	25.67	0.3690
66	15	40	346000	1730	DFT-s-OFDM PI/2 BPSK	108@54	23.26	26.46	0.4426
66	15	40	346000	1730	DFT-s-OFDM PI/2 BPSK	1@1	23.02	26.22	0.4188
66	15	40	346000	1730	DFT-s-OFDM PI/2 BPSK	1@214	23.09	26.29	0.4256
66	15	40	346000	1730	DFT-s-OFDM QPSK	108@54	23.09	26.29	0.4256
66	15	40	346000	1730	DFT-s-OFDM QPSK	1@1	23.05	26.25	0.4217
66	15	40	346000	1730	DFT-s-OFDM QPSK	1@214	22.99	26.19	0.4159
66	15	40	346000	1730	DFT-s-OFDM 16 QAM	108@54	22.21	25.41	0.3475
66	15	40	346000	1730	DFT-s-OFDM 16 QAM	1@1	22.17	25.37	0.3443
66	15	40	346000	1730	DFT-s-OFDM 16 QAM	1@214	22.23	25.43	0.3491
66	15	40	346000	1730	DFT-s-OFDM 64 QAM	108@54	20.81	24.01	0.2518
66	15	40	346000	1730	DFT-s-OFDM 64 QAM	1@1	20.77	23.97	0.2495
66	15	40	346000	1730	DFT-s-OFDM 64 QAM	1@214	20.7	23.9	0.2455
66	15	40	346000	1730	DFT-s-OFDM 256 QAM	108@54	18.92	22.12	0.1629
66	15	40	346000	1730	DFT-s-OFDM 256 QAM	1@1	19.24	22.44	0.1754
66	15	40	346000	1730	DFT-s-OFDM 256 QAM	1@214	18.56	21.76	0.1500
66	15	40	346000	1730	CP-OFDM QPSK	108@54	21.65	24.85	0.3055
66	15	40	346000	1730	CP-OFDM QPSK	1@1	21.66	24.86	0.3062
66	15	40	346000	1730	CP-OFDM QPSK	1@214	21.64	24.84	0.3048
66	15	40	349000	1745	DFT-s-OFDM PI/2 BPSK	108@54	23.29	26.49	0.4457
66	15	40	349000	1745	DFT-s-OFDM PI/2 BPSK	1@1	23.16	26.36	0.4325
66	15	40	349000	1745	DFT-s-OFDM PI/2 BPSK	1@214	23.11	26.31	0.4276
66	15	40	349000	1745	DFT-s-OFDM QPSK	108@54	23.2	26.4	0.4365
66	15	40	349000	1745	DFT-s-OFDM QPSK	1@1	23.22	26.42	0.4385
66	15	40	349000	1745	DFT-s-OFDM QPSK	1@214	23.14	26.34	0.4305
66	15	40	349000	1745	DFT-s-OFDM 16 QAM	108@54	22.26	25.46	0.3516
66	15	40	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.29	25.49	0.3540
66	15	40	349000	1745	DFT-s-OFDM 16 QAM	1@214	22.32	25.52	0.3565
66	15	40	349000	1745	DFT-s-OFDM 64 QAM	108@54	20.86	24.06	0.2547
66	15	40	349000	1745	DFT-s-OFDM 64 QAM	1@1	20.98	24.18	0.2618
66	15	40	349000	1745	DFT-s-OFDM 64 QAM	1@214	20.98	24.18	0.2618
66	15	40	349000	1745	DFT-s-OFDM 256 QAM	108@54	18.94	22.14	0.1637
66	15	40	349000	1745	DFT-s-OFDM 256 QAM	1@1	19.13	22.33	0.1710
66	15	40	349000	1745	DFT-s-OFDM 256 QAM	1@214	18.53	21.73	0.1489
66	15	40	349000	1745	CP-OFDM QPSK	108@54	21.76	24.96	0.3133
66	15	40	349000	1745	CP-OFDM QPSK	1@1	21.88	25.08	0.3221
66	15	40	349000	1745	CP-OFDM QPSK	1@214	21.7	24.9	0.3090
66	15	40	352000	1760	DFT-s-OFDM PI/2 BPSK	108@54	23.26	26.46	0.4426
66	15	40	352000	1760	DFT-s-OFDM PI/2 BPSK	1@1	23.1	26.3	0.4266
66	15	40	352000	1760	DFT-s-OFDM PI/2 BPSK	1@214	23.08	26.28	0.4246
66	15	40	352000	1760	DFT-s-OFDM QPSK	108@54	23.17	26.37	0.4335
66	15	40	352000	1760	DFT-s-OFDM QPSK	1@1	23.1	26.3	0.4266
66	15	40	352000	1760	DFT-s-OFDM QPSK	1@214	23.02	26.22	0.4188
66	15	40	352000	1760	DFT-s-OFDM 16 QAM	108@54	22.22	25.42	0.3483

66	15	40	352000	1760	DFT-s-OFDM 16 QAM	1@1	22.12	25.32	0.3404
66	15	40	352000	1760	DFT-s-OFDM 16 QAM	1@214	22.13	25.33	0.3412
66	15	40	352000	1760	DFT-s-OFDM 64 QAM	108@54	20.79	23.99	0.2506
66	15	40	352000	1760	DFT-s-OFDM 64 QAM	1@1	20.72	23.92	0.2466
66	15	40	352000	1760	DFT-s-OFDM 64 QAM	1@214	20.69	23.89	0.2449
66	15	40	352000	1760	DFT-s-OFDM 256 QAM	108@54	18.99	22.19	0.1656
66	15	40	352000	1760	DFT-s-OFDM 256 QAM	1@1	19.24	22.44	0.1754
66	15	40	352000	1760	DFT-s-OFDM 256 QAM	1@214	18.66	21.86	0.1535
66	15	40	352000	1760	CP-OFDM QPSK	108@54	21.7	24.9	0.3090
66	15	40	352000	1760	CP-OFDM QPSK	1@1	21.7	24.9	0.3090
66	15	40	352000	1760	CP-OFDM QPSK	1@214	21.65	24.85	0.3055

FR1 n66 (ANT0)

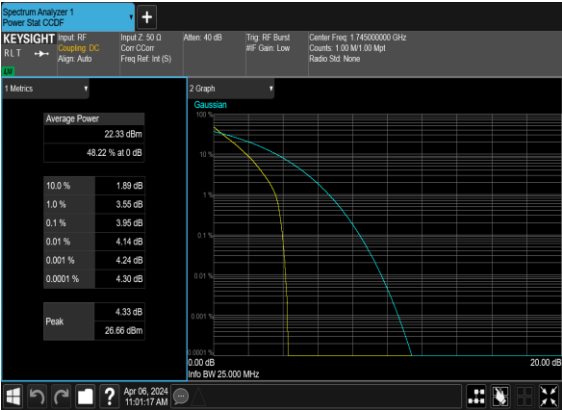
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0064	PASS	NV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0060	PASS	LV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0064	PASS	HV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0060	PASS	-30°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0027	PASS	-20°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0021	PASS	-10°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0050	PASS	0°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0035	PASS	10°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0064	PASS	20°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0029	PASS	30°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0023	PASS	40°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0047	PASS	50°C

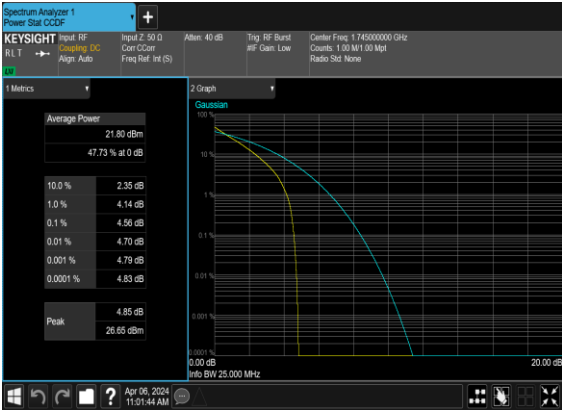
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	3.95	13	PASS
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	4.56	13	PASS

N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

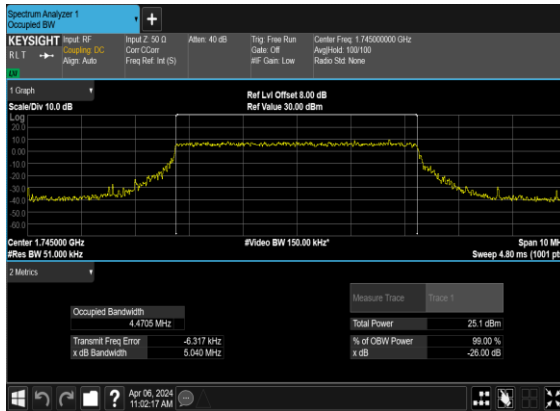


Occupied Bandwidth

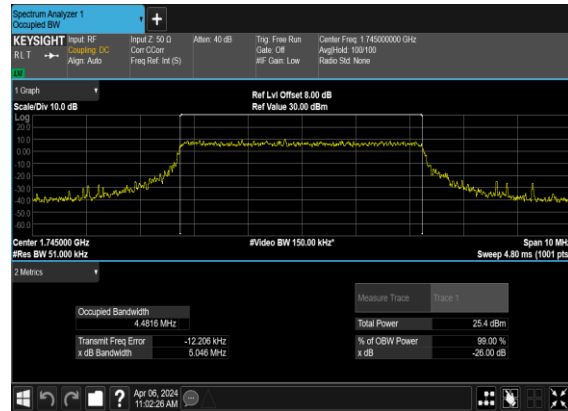
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
66	15	5	349000	1745.0	CP-OFDM QPSK	25@0	4.4705	5.04
66	15	5	349000	1745.0	CP-OFDM 16 QAM	25@0	4.4816	5.046
66	15	5	349000	1745.0	CP-OFDM 64 QAM	25@0	4.4736	5.076
66	15	5	349000	1745.0	CP-OFDM 256 QAM	25@0	4.4727	5.021
66	15	10	349000	1745.0	CP-OFDM QPSK	52@0	9.2769	10.03
66	15	10	349000	1745.0	CP-OFDM 16 QAM	52@0	9.3025	10.02
66	15	10	349000	1745.0	CP-OFDM 64 QAM	52@0	9.282	9.961
66	15	10	349000	1745.0	CP-OFDM 256 QAM	52@0	9.2857	9.947
66	15	15	349000	1745.0	CP-OFDM QPSK	79@0	14.105	14.92
66	15	15	349000	1745.0	CP-OFDM 16 QAM	79@0	14.091	14.69
66	15	15	349000	1745.0	CP-OFDM 64 QAM	79@0	14.094	14.89
66	15	15	349000	1745.0	CP-OFDM 256 QAM	79@0	14.096	14.75
66	15	20	349000	1745.0	CP-OFDM QPSK	106@0	18.915	19.95
66	15	20	349000	1745.0	CP-OFDM 16 QAM	106@0	18.97	19.89
66	15	20	349000	1745.0	CP-OFDM 64 QAM	106@0	18.94	19.69
66	15	20	349000	1745.0	CP-OFDM 256 QAM	106@0	18.904	19.71
66	15	25	349000	1745.0	CP-OFDM QPSK	133@0	23.747	24.81
66	15	25	349000	1745.0	CP-OFDM 16 QAM	133@0	23.756	24.79
66	15	25	349000	1745.0	CP-OFDM 64 QAM	133@0	23.794	24.86
66	15	25	349000	1745.0	CP-OFDM 256 QAM	133@0	23.75	24.69
66	15	30	349000	1745.0	CP-OFDM QPSK	160@0	28.523	29.67
66	15	30	349000	1745.0	CP-OFDM 16 QAM	160@0	28.625	29.68
66	15	30	349000	1745.0	CP-OFDM 64 QAM	160@0	28.568	29.59
66	15	30	349000	1745.0	CP-OFDM 256 QAM	160@0	28.564	29.71
66	15	40	349000	1745.0	CP-OFDM QPSK	216@0	38.542	39.96

66	15	40	349000	1745.0	CP-OFDM 16 QAM	216@0	38.562	39.91
66	15	40	349000	1745.0	CP-OFDM 64 QAM	216@0	38.607	40.01
66	15	40	349000	1745.0	CP-OFDM 256 QAM	216@0	38.491	39.92

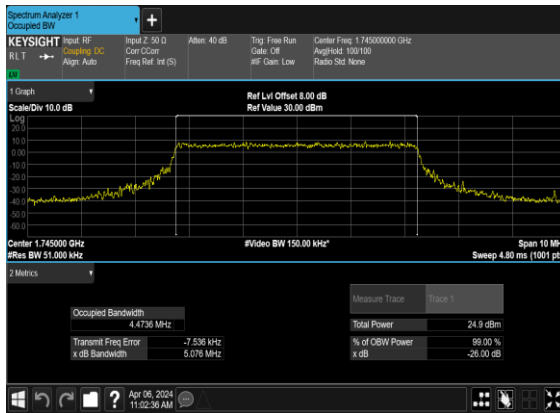
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OFDM_QPSK_Outer_Full_Mid_CH



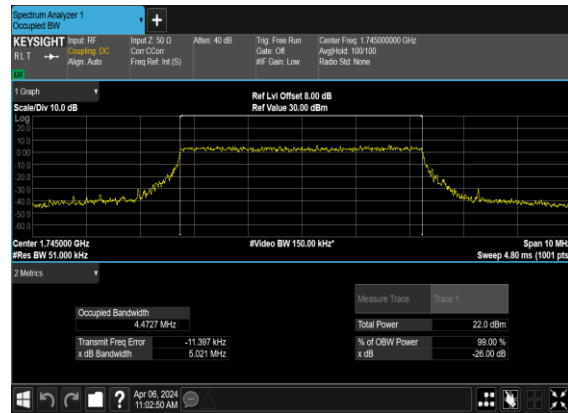
N66(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



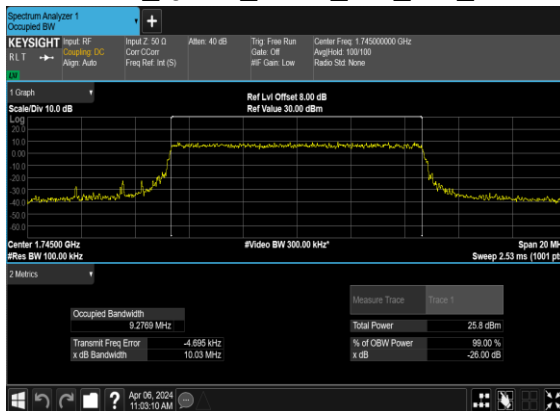
N66(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



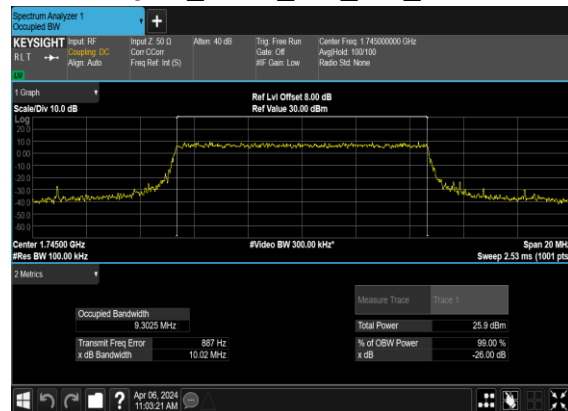
N66(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



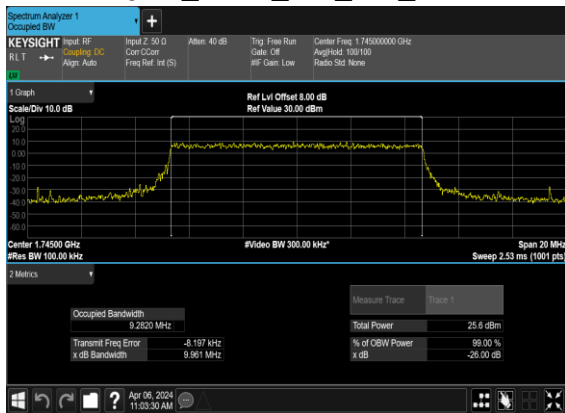
N66(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



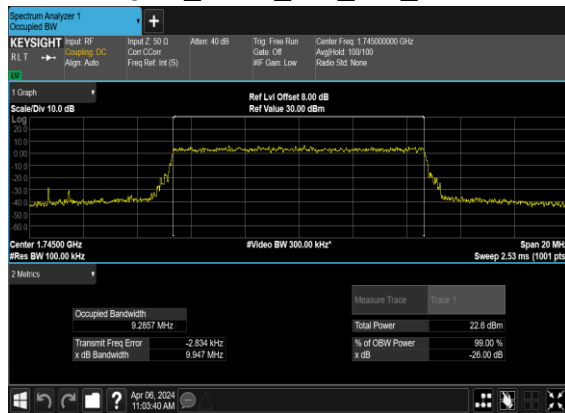
N66(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N66(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



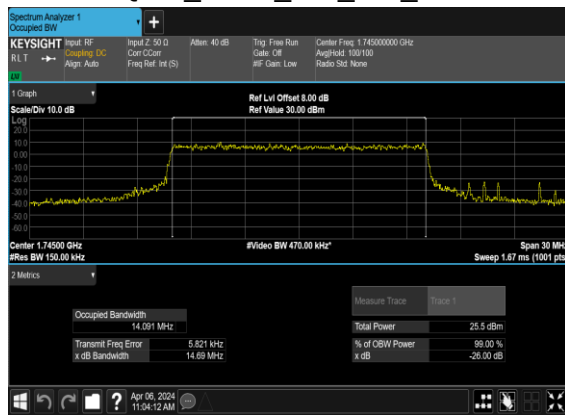
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QAM_Outer_Full_Mid_CH



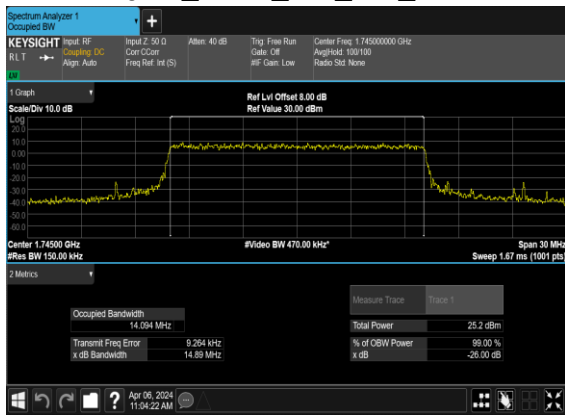
N66(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



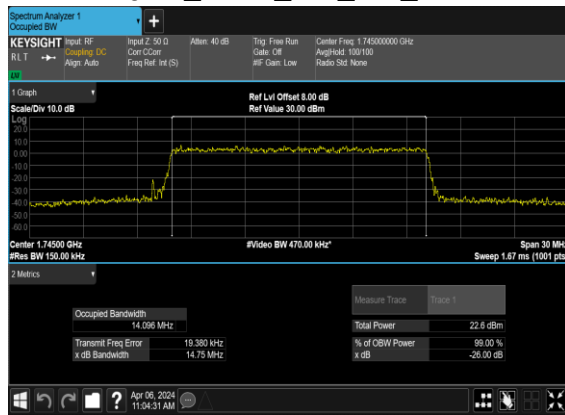
N66(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



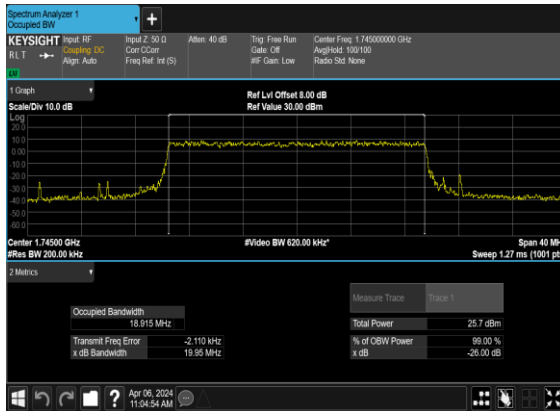
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QAM_Outer_Full_Mid_CH



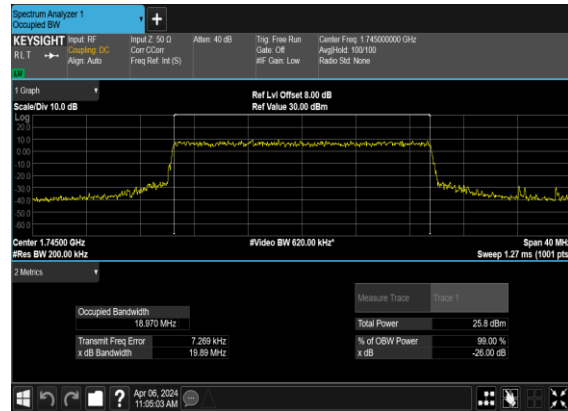
N66(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



N66(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



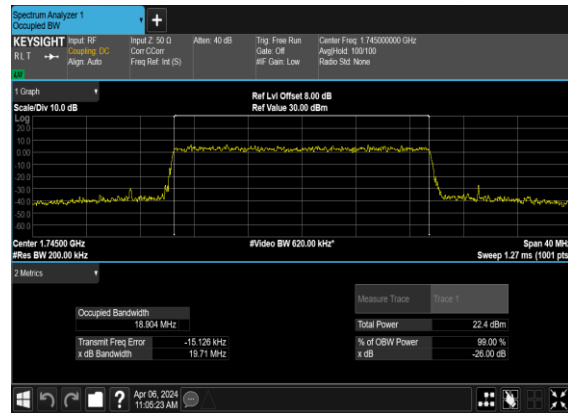
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QAM_Outer_Full_Mid_CH



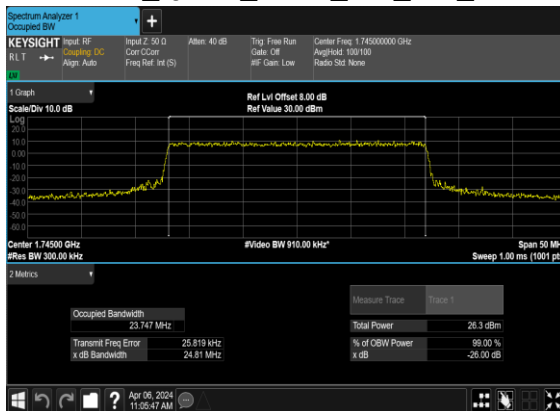
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QAM_Outer_Full_Mid_CH



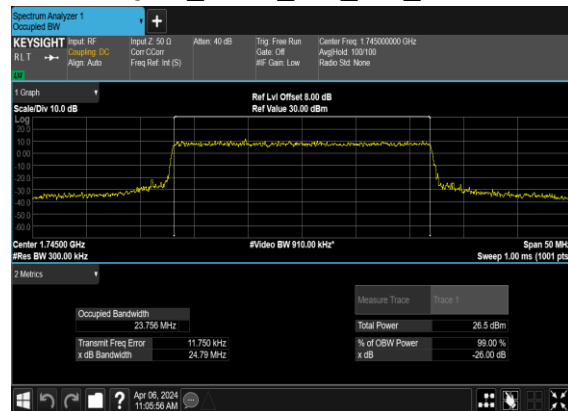
N66(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



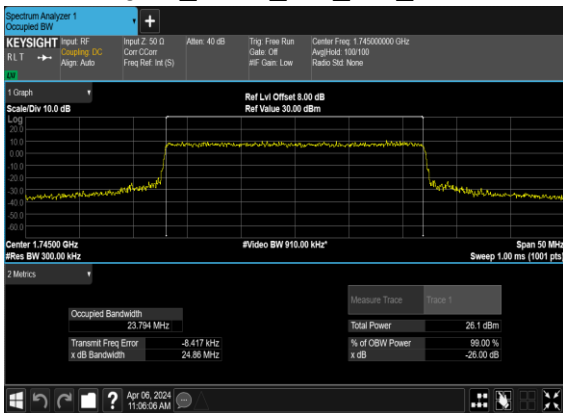
N66(25M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



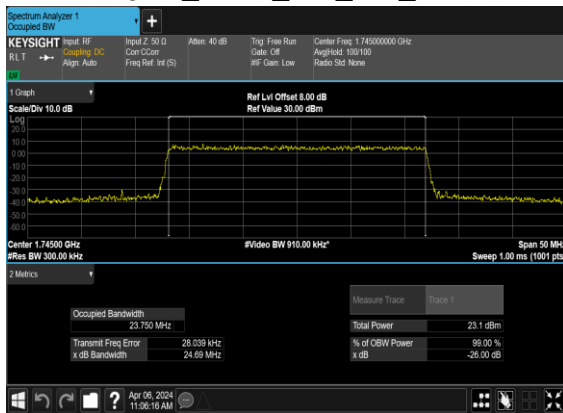
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QAM_Outer_Full_Mid_CH



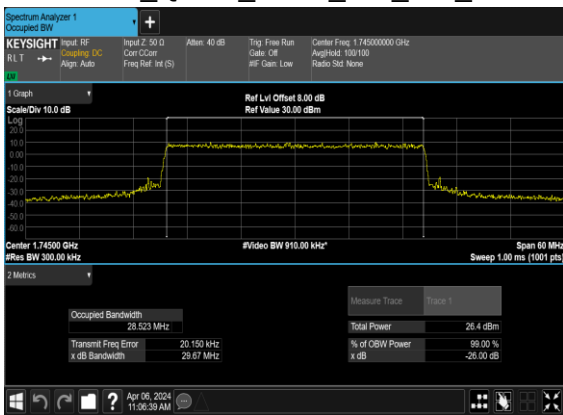
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QAM_Outer_Full_Mid_CH



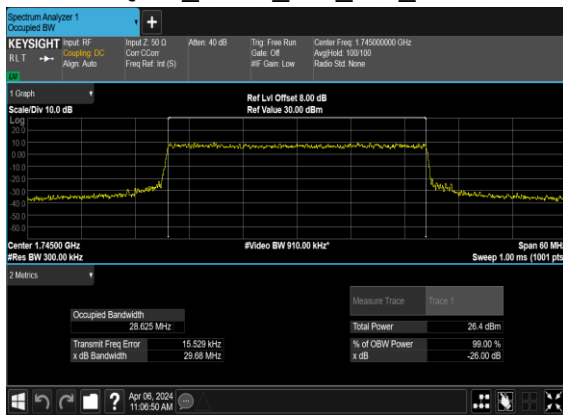
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QAM_Outer_Full_Mid_CH



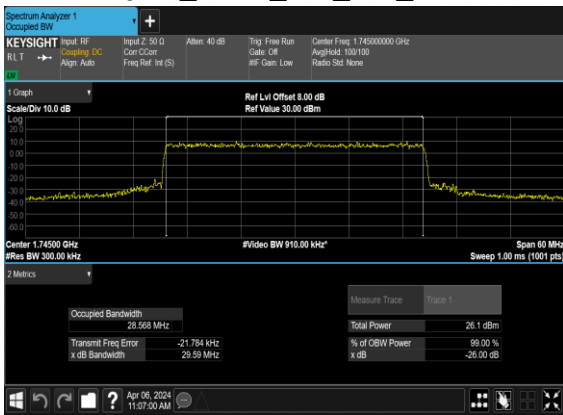
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OFDM_QPSK_Outer_Full_Mid_CH



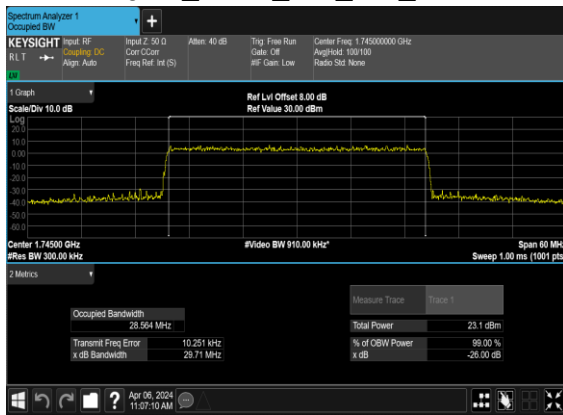
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QAM_Outer_Full_Mid_CH



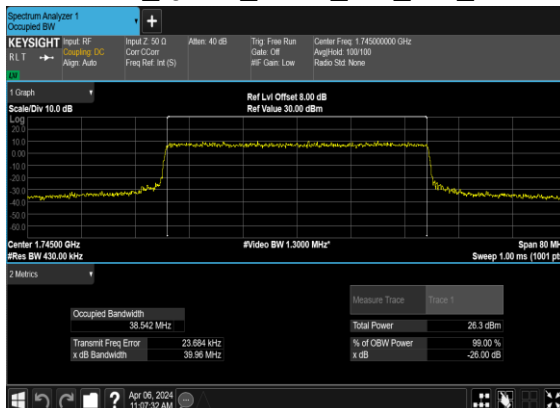
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QAM_Outer_Full_Mid_CH



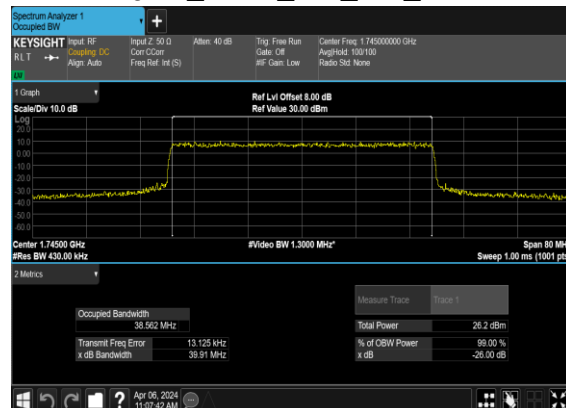
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QAM_Outer_Full_Mid_CH



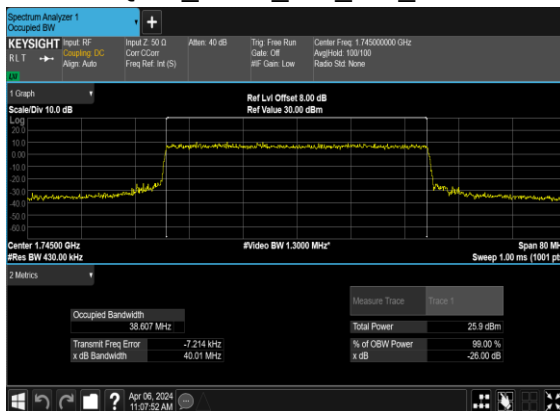
N66(40M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



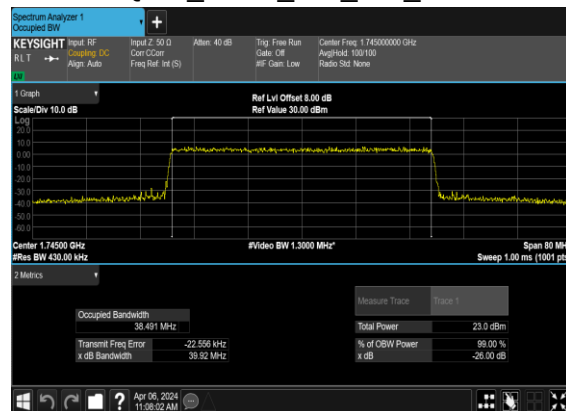
N66(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N66(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N66(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

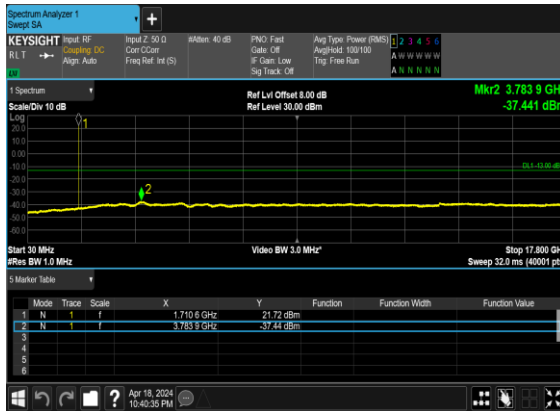


Conducted Spurious Emissions

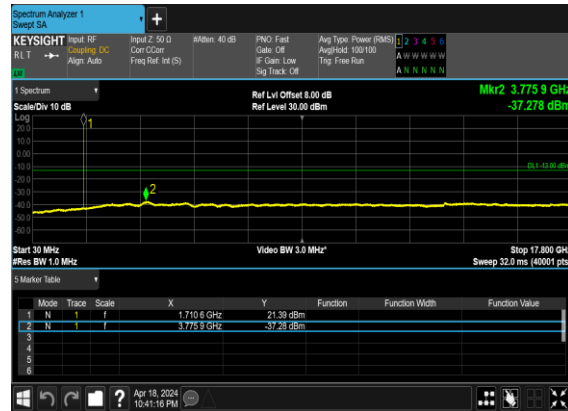
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	20	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	1@0	see graph	PASS

66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	346000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	40	346000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	40	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	352000	1760.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	40	352000	1760.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

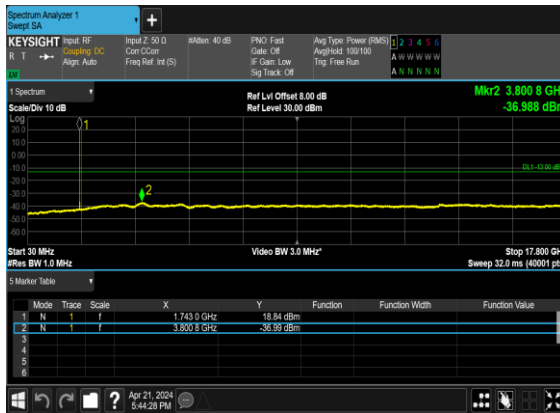
N66(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



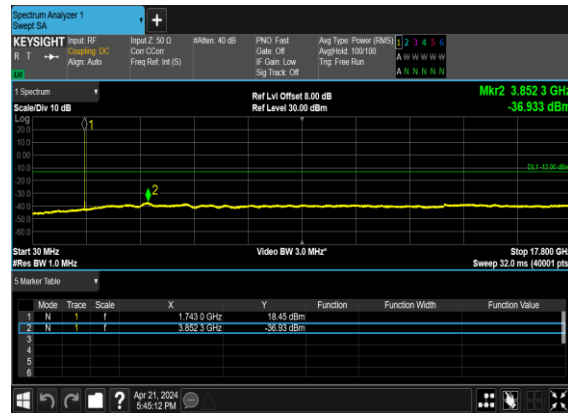
N66(5M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



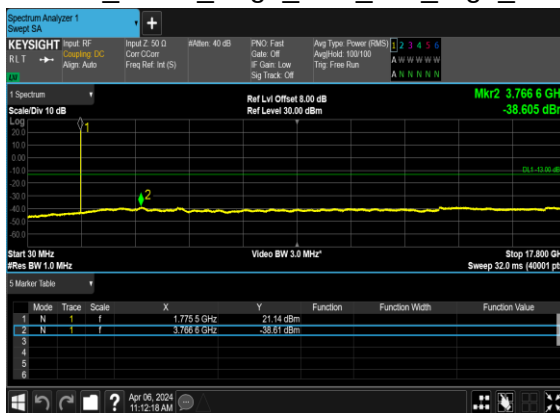
N66(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



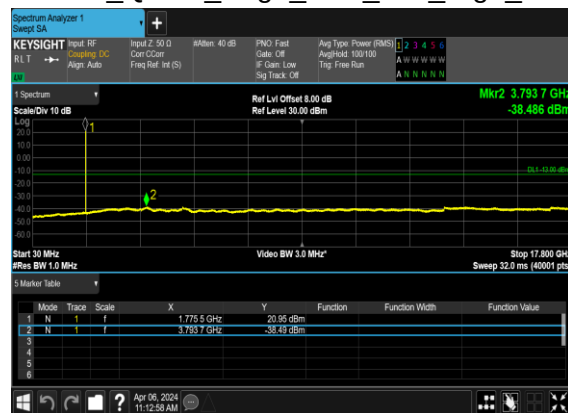
N66(5M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Mid_CH



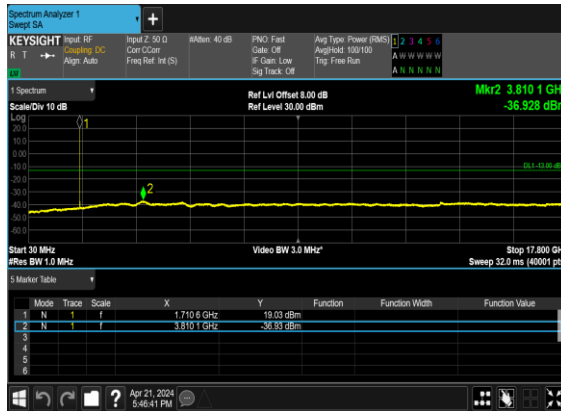
N66(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



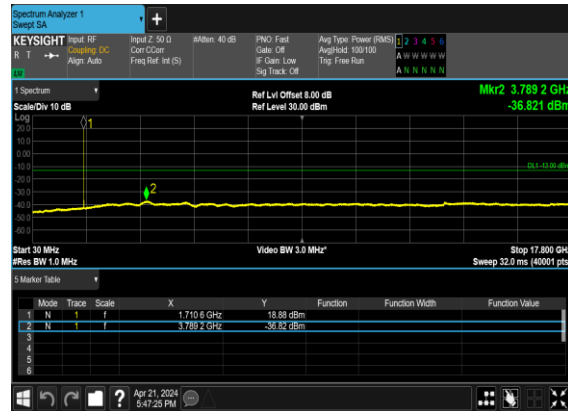
N66(5M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



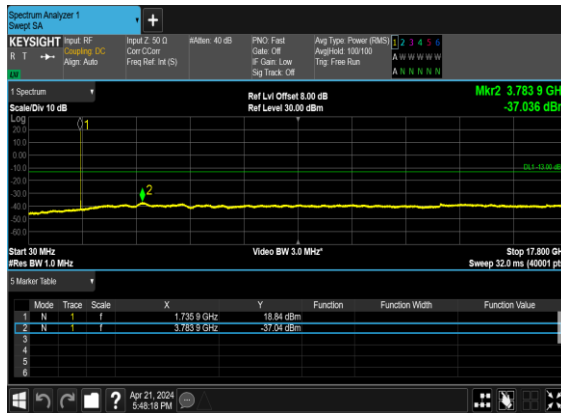
N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



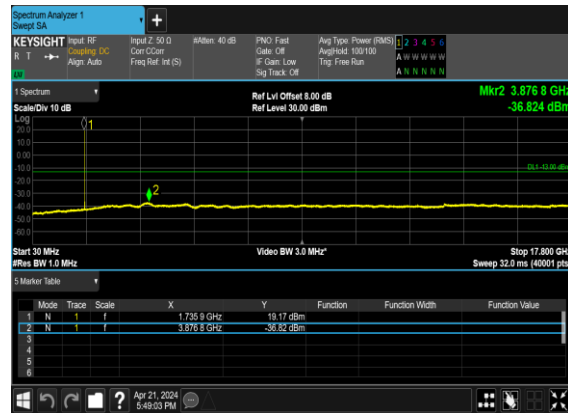
N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



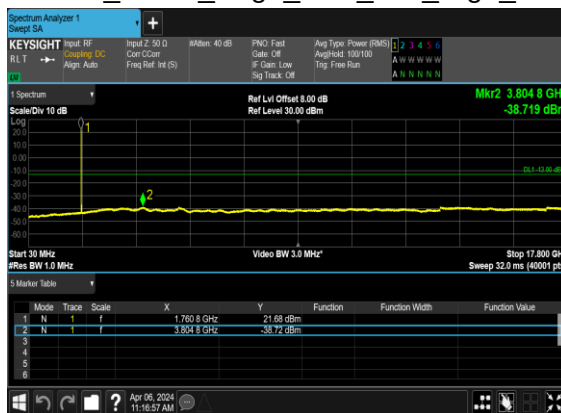
N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

