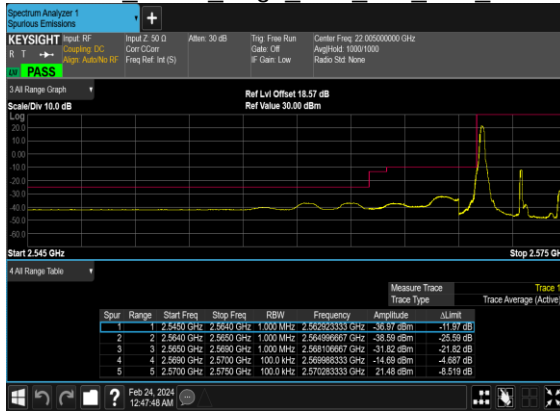
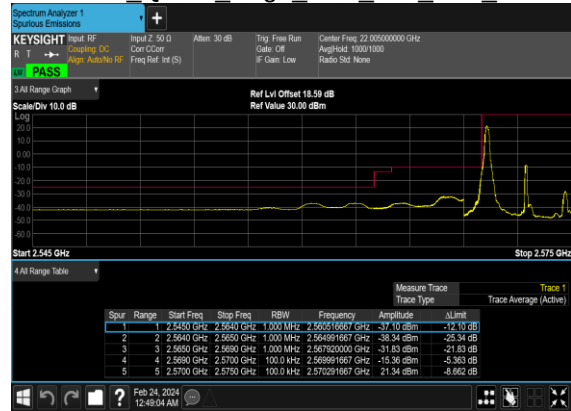


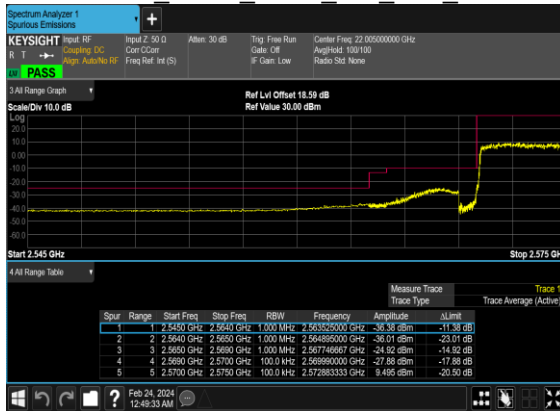
N38(5M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



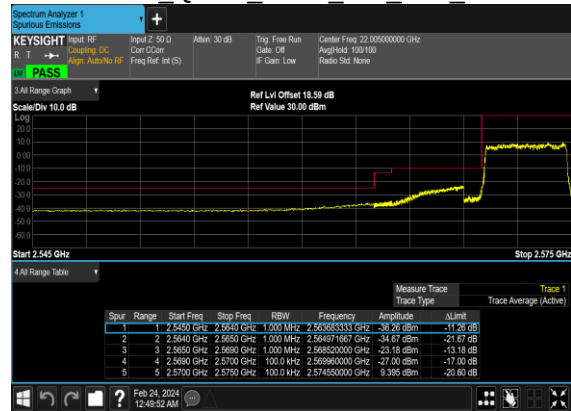
N38(5M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



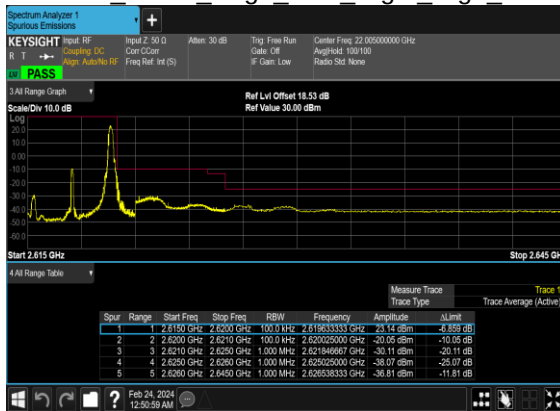
N38(5M)_DFT-s-OFDM BPSK Outer Full Low CH



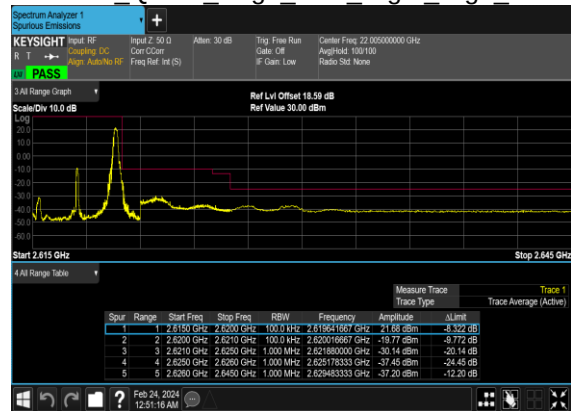
N38(5M)_DFT-s-OFDM QPSK Outer Full Low CH



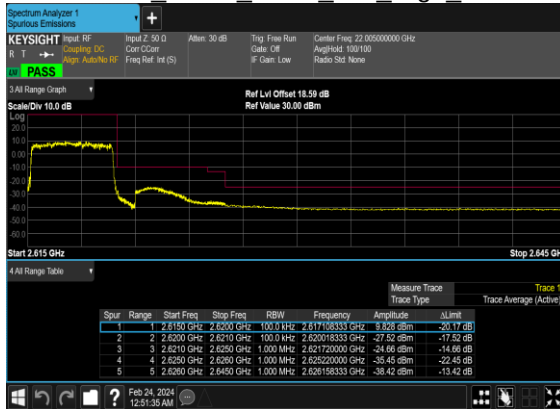
N38(5M)_DFT-s-OFDM BPSK Edge 1RB Right High CH



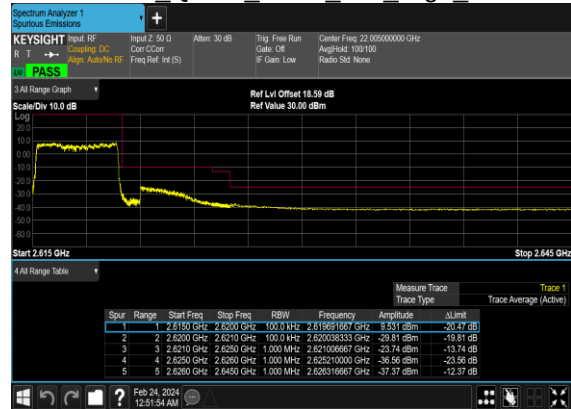
N38(5M)_DFT-s-OFDM QPSK Edge 1RB Right High CH



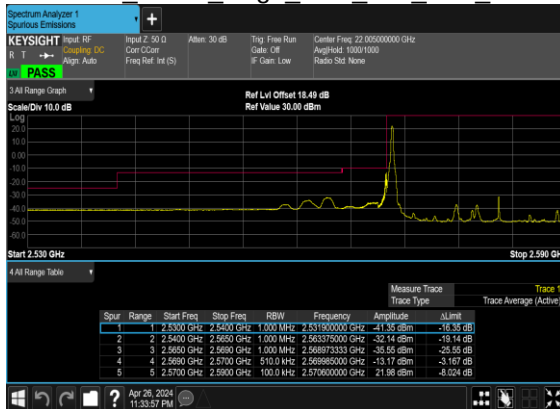
N38(5M)_DFT-s-OFDM BPSK Outer Full High CH



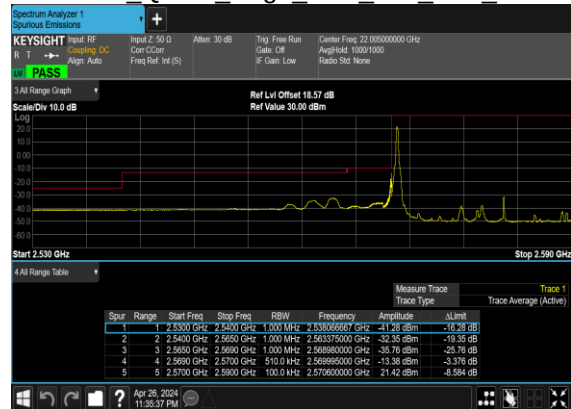
N38(5M)_DFT-s-OFDM QPSK Outer Full High CH



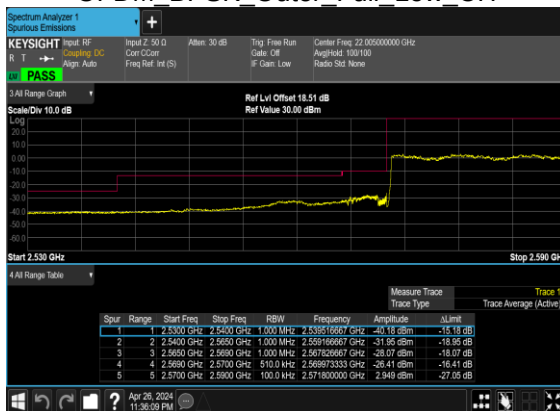
N38(25M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



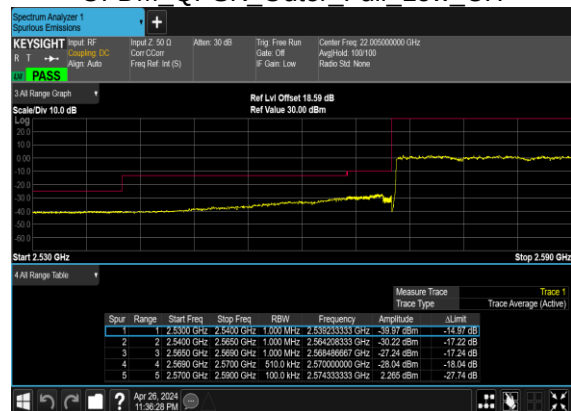
N38(25M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



N38(25M)_DFT-s-OFDM BPSK Outer Full Low CH



N38(25M)_DFT-s-OFDM QPSK Outer Full Low CH



Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input RF
R T → ← Trigger DC
Align Auto

Input Z: 50 Ω Attenu: 30 dB
Corr: Corr Trig Freq Run
Freq Ref: (s) Off: Cal Mode: Stop

Center Freq: 22.00000000 GHz
Amp/Hz: 1000/100
Radio Std: None

PASS

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

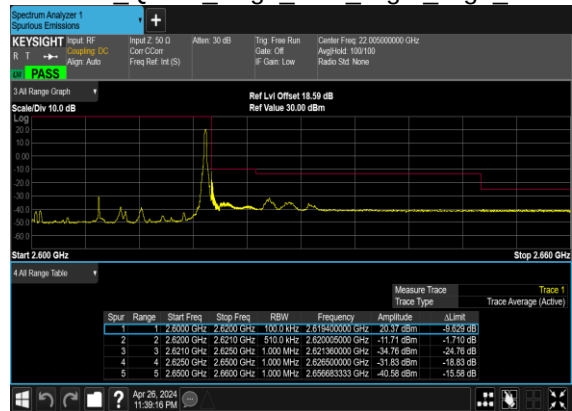
Start: 2.600 GHz Stop: 2.660 GHz

4 All Range Tab

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	A1Mk
1	2	2.6000 GHz	2.6200 GHz	100.0 kHz	2.619306667 GHz	-21.75 dBm	-2.254 dB
2	2	2.6200 GHz	2.6210 MHz	2.620006667 GHz	-12.40 dBm	-2.403 dB	
3	3	2.6200 GHz	2.6250 GHz	1.000 MHz	2.621006667 GHz	-35.35 dBm	-26.35 dB
4	4	2.6250 GHz	2.6600 GHz	1.000 MHz	2.656433333 GHz	-32.25 dBm	-19.25 dB
5	5	2.6600 GHz	2.6600 GHz	1.000 MHz	2.660333333 GHz	-41.19 dBm	-16.19 dB

Measure Trace Type: Trace Average (Active)

Apr 26, 2024 11:36:57 PM



Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input Ref: 50.0 Attain: 30.0 dB Trig Freq: 2.000000000 GHz Center Freq: 2.600000000 GHz
R T → Locking DC Align: Auto Corr: Off Gate: Off IF Gain: Low Ref Level Offset: 10.57 dBm
40 PASS Ref Value: 30.00 dBm

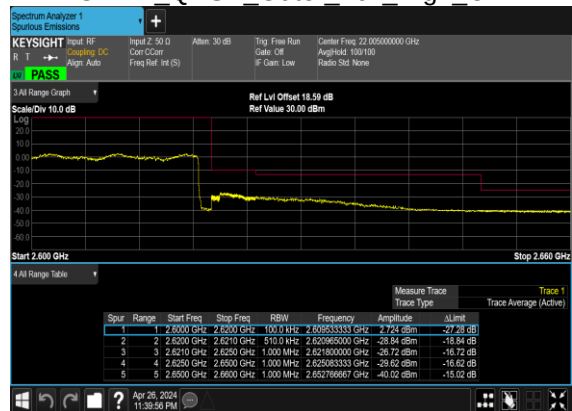
3.60 Range Graph
Scale/Div 10.0 dB
Log
30.0
20.0
10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0

Start 2.600 GHz Stop 2.660 GHz

4.00 Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	AltMet
1	2.6000 GHz	2.6000 GHz	100.11 Hz	2.615000000 GHz	2.600 dBm	-27.36 dBm	
2	2.6200 GHz	2.6210 GHz	510.0 MHz	2.620333333 GHz	-30.07 dBm	-20.07 dB	
3	2.6240 GHz	2.6250 GHz	1.000 MHz	2.624133333 GHz	-27.24 dBm	-17.24 dB	
4	2.6250 GHz	2.6500 GHz	1.000 MHz	2.638333333 GHz	-29.70 dBm	-16.70 dB	
5	2.6500 GHz	2.6600 GHz	1.000 MHz	2.650333333 GHz	-40.22 dBm	-15.22 dB	

Measure Trace Trace Type Trace Average (Active)

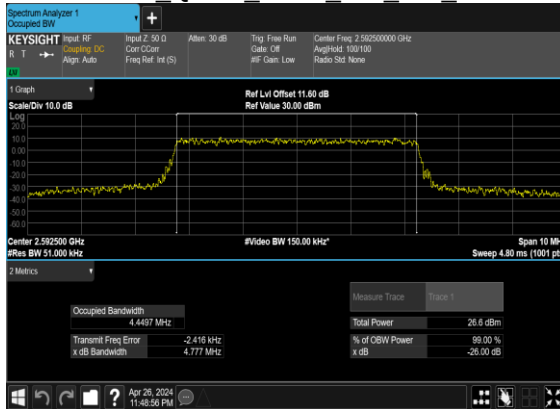


FR1 N38 MIMO-ANT(3+8)-ANT8 – SCS 15k

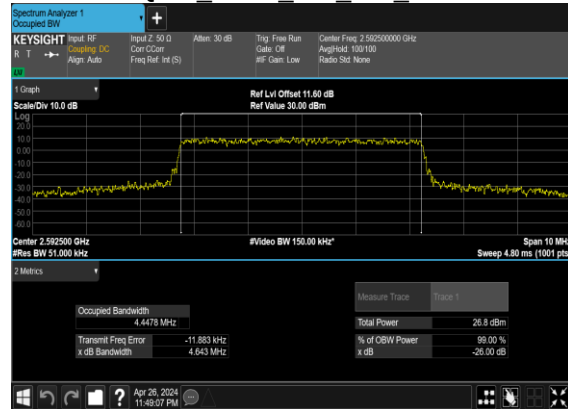
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
38	15	5	518500	2592.5	CP-OFDM QPSK	25@0	4.4497	4.777
38	15	5	518500	2592.5	CP-OFDM 16 QAM	25@0	4.4478	4.643
38	15	5	518500	2592.5	CP-OFDM 64 QAM	25@0	4.4586	4.764
38	15	5	518500	2592.5	CP-OFDM 256 QAM	25@0	4.465	4.723
38	15	25	519000	2595.0	CP-OFDM QPSK	133@0	23.718	24.57
38	15	25	519000	2595.0	CP-OFDM 16 QAM	133@0	23.762	24.67
38	15	25	519000	2595.0	CP-OFDM 64 QAM	133@0	23.701	24.58
38	15	25	519000	2595.0	CP-OFDM 256 QAM	133@0	23.718	24.59

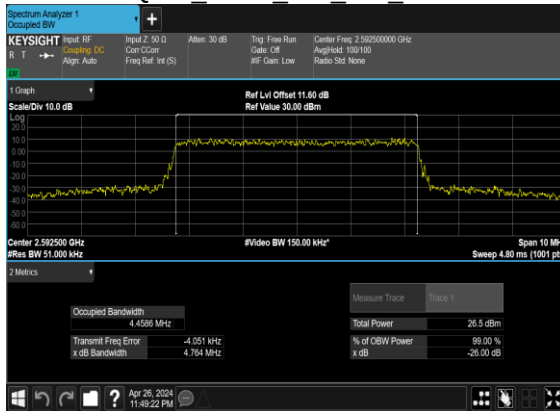
N38(5M)_CP-
OFDM QPSK Outer Full Mid CH



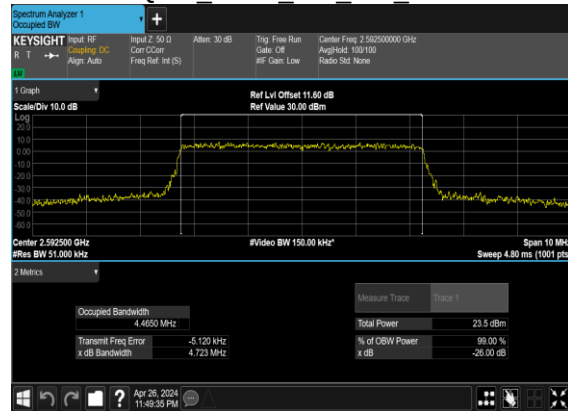
N38(5M)_CP-OFDM_16
QAM Outer Full Mid CH



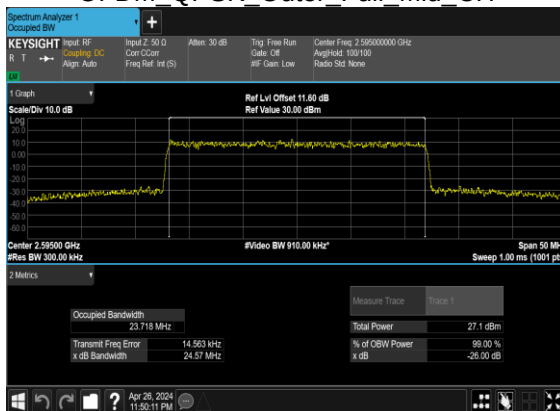
N38(5M)_CP-OFDM_64
QAM Outer Full Mid CH



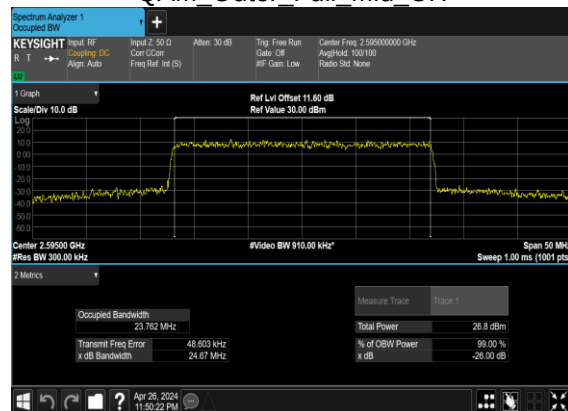
N38(5M)_CP-OFDM_256
QAM Outer Full Mid CH



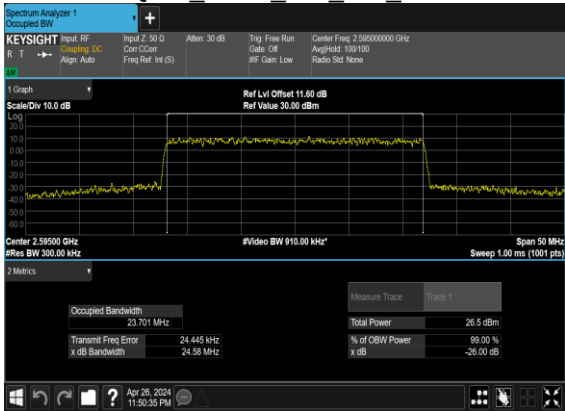
N38(25M)_CP-
OFDM QPSK Outer Full Mid CH



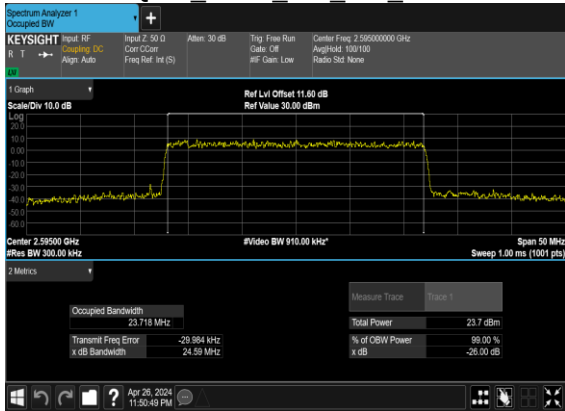
N38(25M)_CP-OFDM_16
QAM Outer Full Mid CH



N38(25M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N38(25M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	---
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	see graph	---
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	15	5	518500	2592.5	DFT-s-OFDM BPSK	1@0	see graph	---
38	15	5	518500	2592.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	15	5	518500	2592.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	15	5	518500	2592.5	DFT-s-OFDM QPSK	1@0	see graph	---
38	15	5	518500	2592.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	15	5	518500	2592.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	1@0	see graph	---
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@0	see graph	---
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@0	see graph	PASS

38	15	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	---
38	15	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	15	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	---
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	15	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	---
38	15	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	15	25	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	---
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	15	25	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	---
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	---
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@0	see graph	PASS

N38(5M)_DFT-s-
OFDM BPSK Edge 1RB Left Low CH



N38(5M)_DFT-s-
OFDM BPSK Edge 1RB Left Low CH



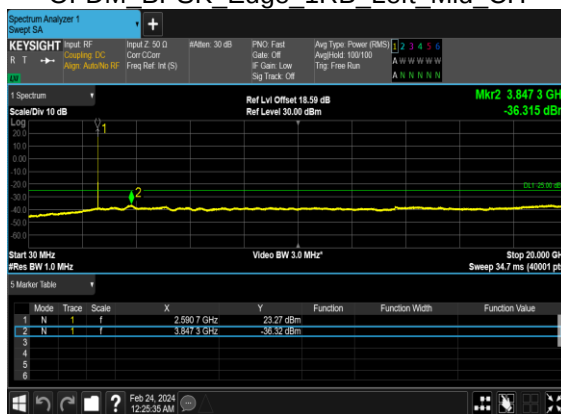
N38(5M)_DFT-s-
OFDM QPSK Edge 1RB Left Low CH



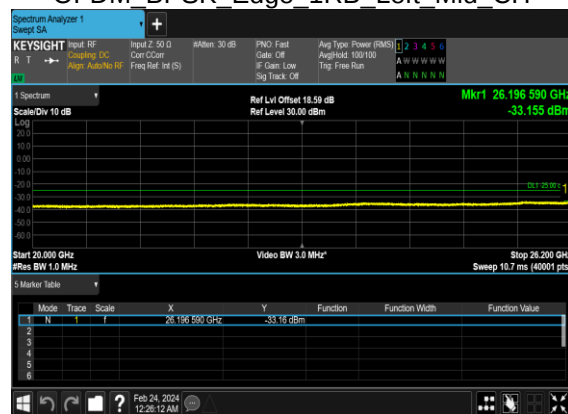
N38(5M)_DFT-s-
OFDM QPSK Edge 1RB Left Low CH



N38(5M)_DFT-s-
OFDM BPSK Edge 1RB Left Mid CH



N38(5M)_DFT-s-
OFDM BPSK Edge 1RB Left Mid CH



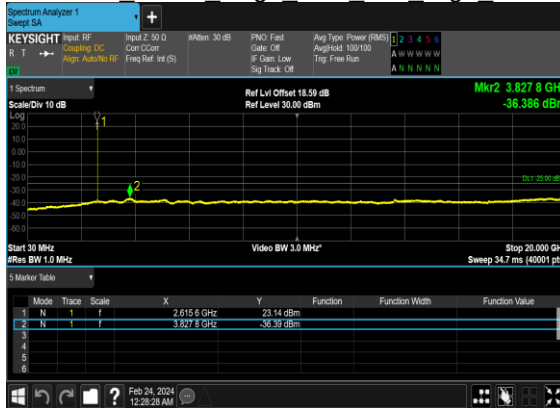
N38(5M)_DFT-s-OFDM QPSK Edge 1RB Left Mid CH



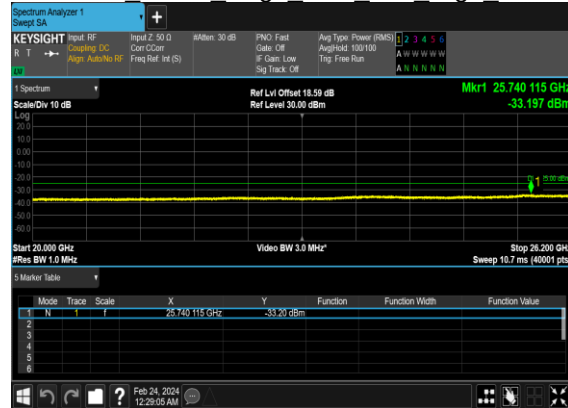
N38(5M)_DFT-s-OFDM QPSK Edge 1RB Left Mid CH



N38(5M)_DFT-s-OFDM BPSK Edge 1RB Left High CH



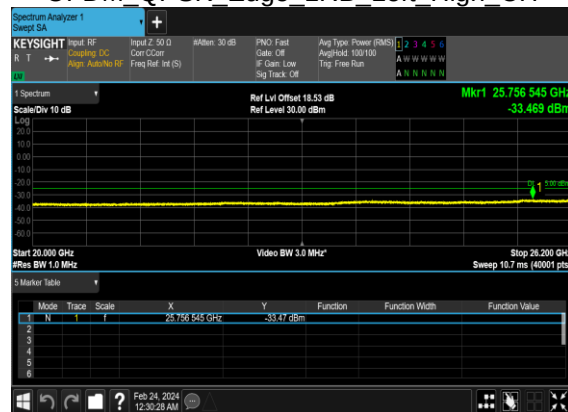
N38(5M)_DFT-s-OFDM BPSK Edge 1RB Left High CH



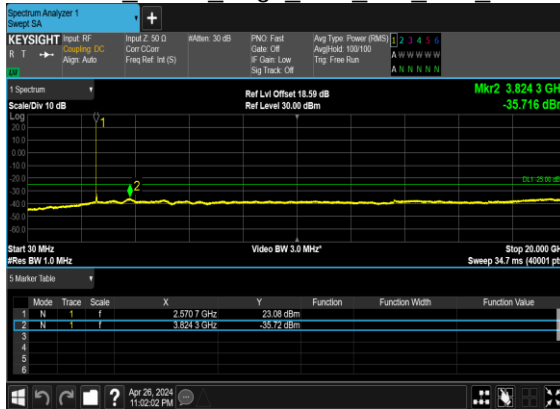
N38(5M)_DFT-s-OFDM QPSK Edge 1RB Left High CH



N38(5M)_DFT-s-OFDM QPSK Edge 1RB Left High CH



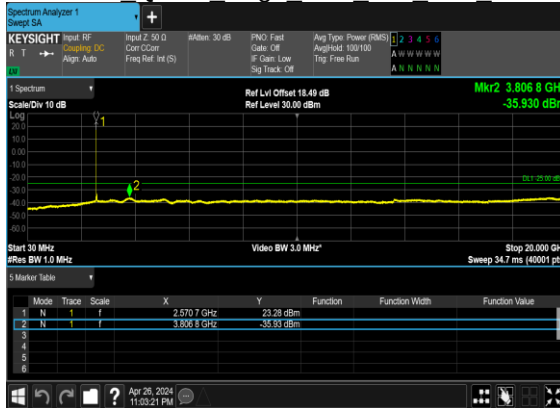
N38(25M)_DFT-s-
OFDM BPSK Edge 1RB Left Low CH



N38(25M)_DFT-s-
OFDM BPSK Edge 1RB Left Low CH



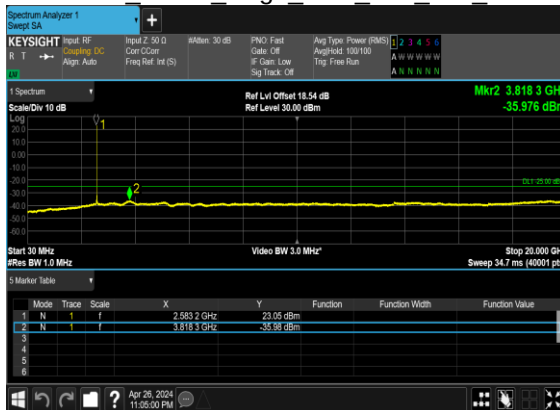
N38(25M)_DFT-s-
OFDM QPSK Edge 1RB Left Low CH



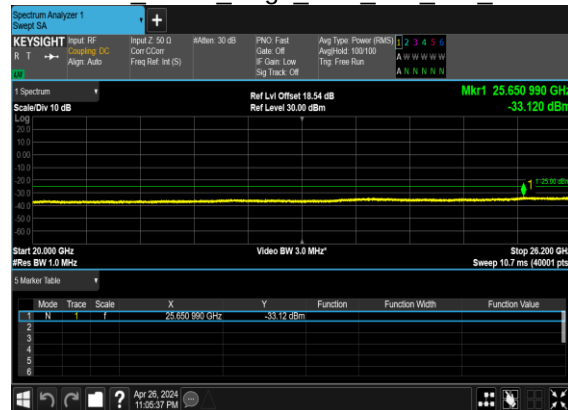
N38(25M)_DFT-s-
OFDM QPSK Edge 1RB Left Low CH



N38(25M)_DFT-s-
OFDM BPSK Edge 1RB Left Mid CH



N38(25M)_DFT-s-
OFDM BPSK Edge 1RB Left Mid CH



N38(25M)_DFT-s-OFDM QPSK Edge 1RB Left Mid CH



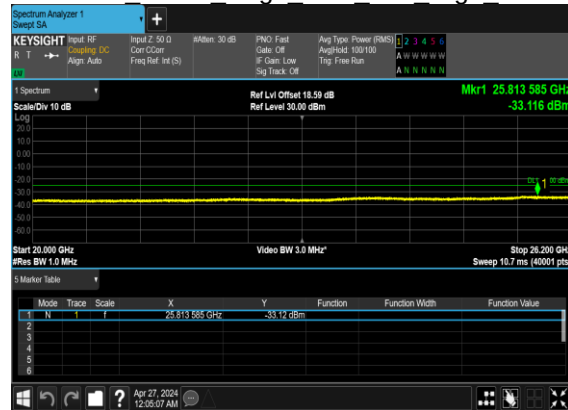
N38(25M)_DFT-s-OFDM QPSK Edge 1RB Left Mid CH



N38(25M)_DFT-s-OFDM BPSK Edge 1RB Left High CH



N38(25M)_DFT-s-OFDM BPSK Edge 1RB Left High CH



N38(25M)_DFT-s-OFDM QPSK Edge 1RB Left High CH



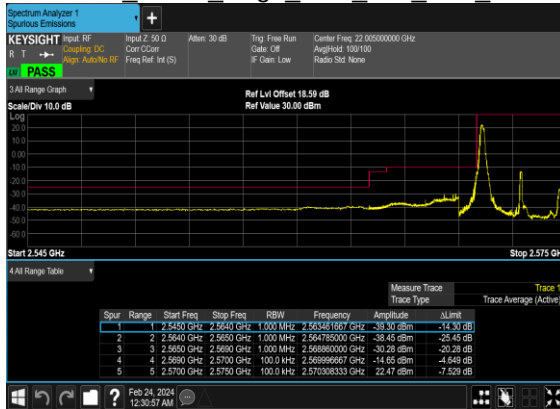
N38(25M)_DFT-s-OFDM QPSK Edge 1RB Left High CH



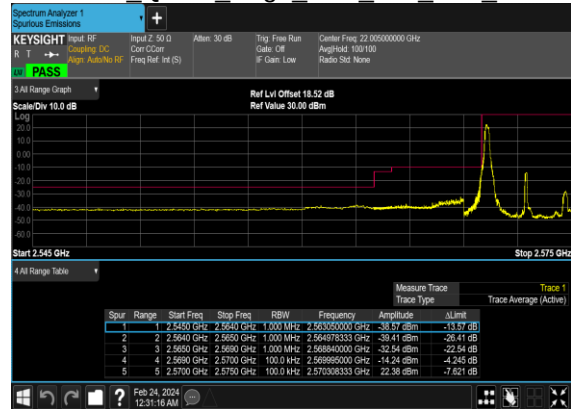
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	15	5	514500	2572.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
38	15	5	514500	2572.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
38	15	5	523500	2617.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
38	15	5	523500	2617.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
38	15	25	516500	2582.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	15	25	516500	2582.5	DFT-s-OFDM BPSK	128@0	see graph	PASS
38	15	25	516500	2582.5	DFT-s-OFDM QPSK	128@0	see graph	PASS
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	1@132	see graph	PASS
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	1@132	see graph	PASS
38	15	25	521500	2607.5	DFT-s-OFDM BPSK	128@0	see graph	PASS
38	15	25	521500	2607.5	DFT-s-OFDM QPSK	128@0	see graph	PASS

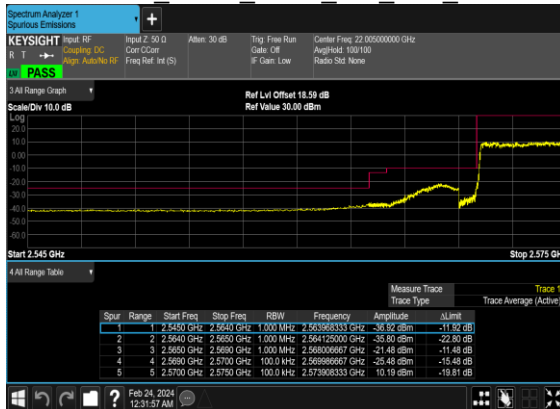
N38(5M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



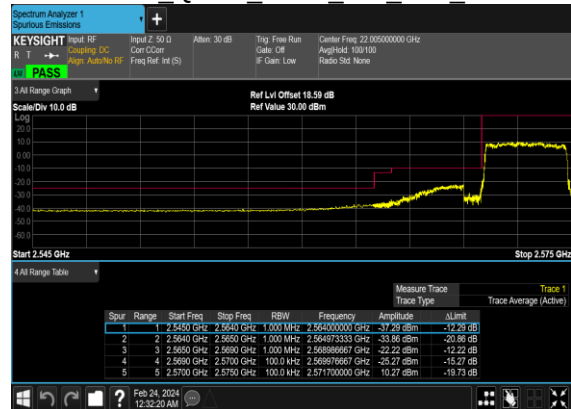
N38(5M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



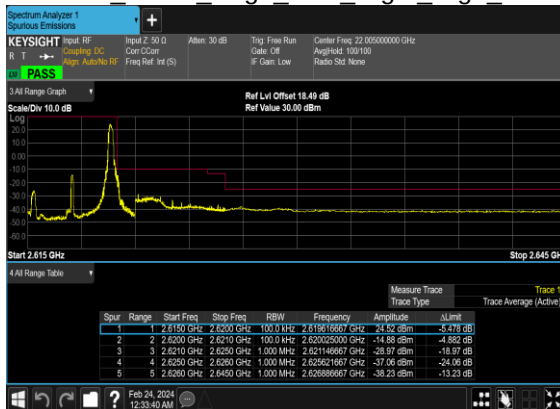
N38(5M)_DFT-s-OFDM BPSK Outer Full Low CH



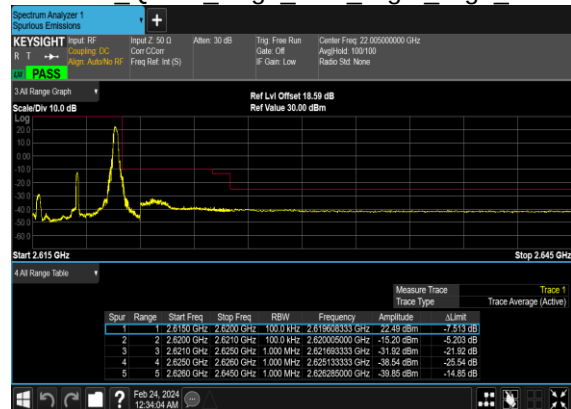
N38(5M)_DFT-s-OFDM QPSK Outer Full Low CH



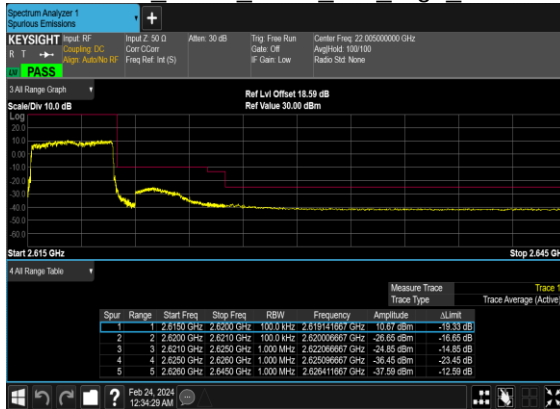
N38(5M)_DFT-s-OFDM BPSK Edge 1RB Right High CH



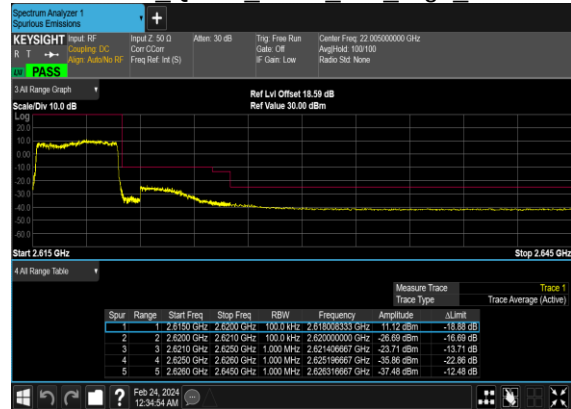
N38(5M)_DFT-s-OFDM QPSK Edge 1RB Right High CH



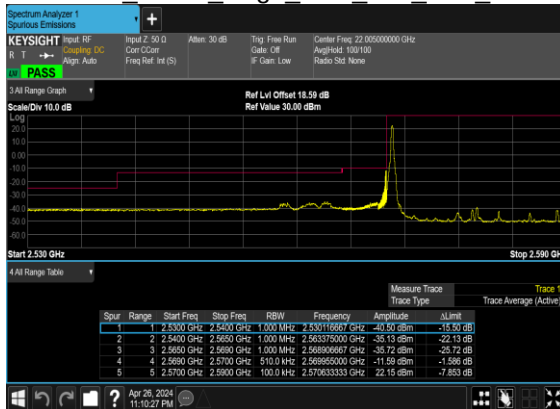
N38(5M)_DFT-s-OFDM BPSK Outer Full High CH



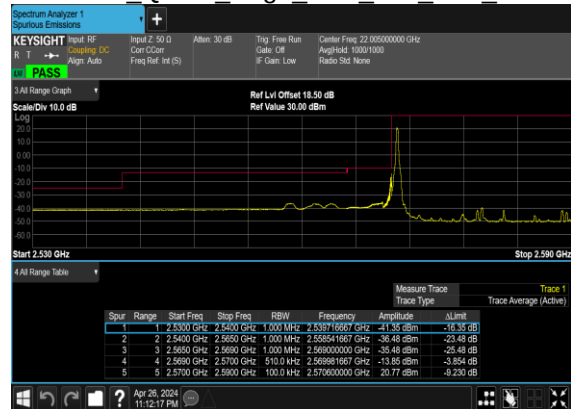
N38(5M)_DFT-s-OFDM QPSK Outer Full High CH



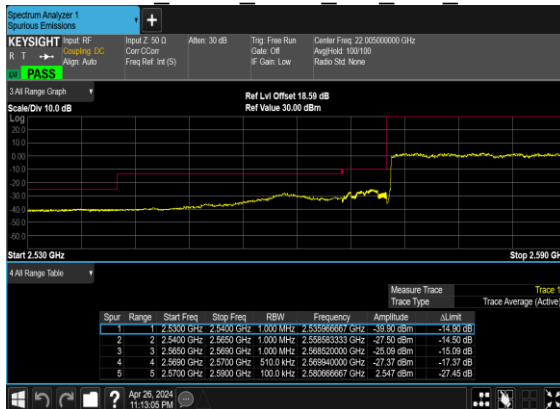
N38(25M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



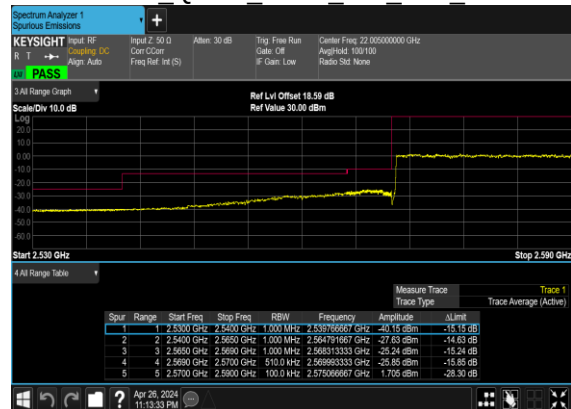
N38(25M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



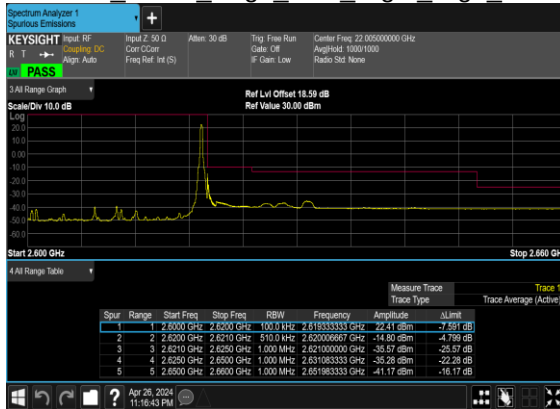
N38(25M)_DFT-s-OFDM BPSK Outer Full Low CH



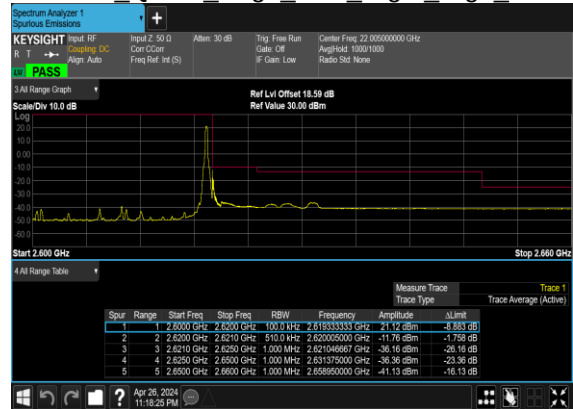
N38(25M)_DFT-s-OFDM QPSK Outer Full Low CH



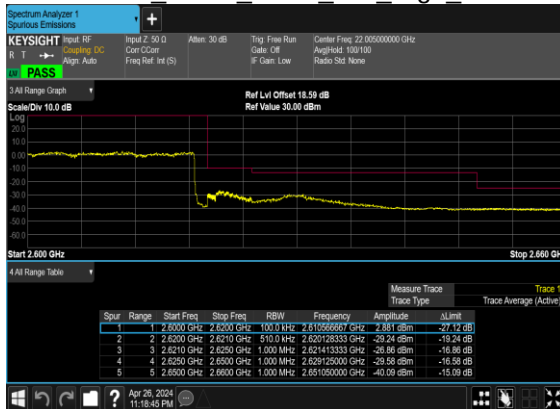
N38(25M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



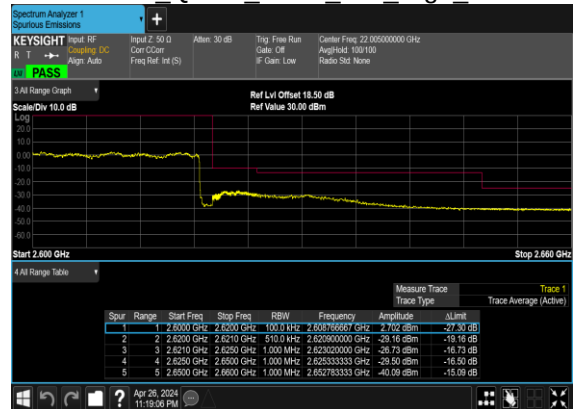
N38(25M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



N38(25M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



N38(25M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



FR1 N41 MIMO-ANT(3+8)_ANT3 – SCS 15k

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=2.51 dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT8 Power(dBm)	ANT3 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
41	15	10	500202	2501.01	DFT-s-OFDM QPSK	1@1	23.48	23.18	26.34	28.85	0.7674
41	15	10	500202	2501.01	DFT-s-OFDM 16 QAM	1@1	22.23	22.19	25.22	27.73	0.5929
41	15	10	518601	2593.005	DFT-s-OFDM QPSK	1@1	23.82	24.08	26.96	29.47	0.8851
41	15	10	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	22.61	23.25	25.95	28.46	0.7015
41	15	10	537000	2685	DFT-s-OFDM QPSK	1@1	23.58	24.6	27.13	29.64	0.9204
41	15	10	537000	2685	DFT-s-OFDM 16 QAM	1@1	22.48	23.69	26.14	28.65	0.7328
41	15	15	500700	2503.5	DFT-s-OFDM QPSK	1@1	23.43	23	26.23	28.74	0.7482
41	15	15	500700	2503.5	DFT-s-OFDM 16 QAM	1@1	22.3	22.2	25.26	27.77	0.5984
41	15	15	518601	2593.005	DFT-s-OFDM QPSK	1@1	23.71	23.95	26.84	29.35	0.8610
41	15	15	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	22.56	23.12	25.86	28.37	0.6871
41	15	15	536499	2682.495	DFT-s-OFDM QPSK	1@1	23.38	24.51	26.99	29.5	0.8913
41	15	15	536499	2682.495	DFT-s-OFDM 16 QAM	1@1	22.3	23.7	26.07	28.58	0.7211
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	1@1	23.47	23.14	26.32	28.83	0.7638
41	15	20	501201	2506.005	DFT-s-OFDM 16 QAM	1@1	22.33	22.24	25.30	27.81	0.6039
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	1@1	23.72	23.9	26.82	29.33	0.8570
41	15	20	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	22.6	23.13	25.88	28.39	0.6902
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	1@1	23.49	24.6	27.09	29.6	0.9120
41	15	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@1	22.35	23.73	26.10	28.61	0.7261
41	15	30	502200	2511	DFT-s-OFDM QPSK	1@1	23.45	24.63	27.09	29.6	0.9120
41	15	30	502200	2511	DFT-s-OFDM 16 QAM	1@1	22.33	23.45	25.94	28.45	0.6998
41	15	30	518601	2593.005	DFT-s-OFDM QPSK	1@1	23.41	24.56	27.03	29.54	0.8995
41	15	30	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	22.29	23.61	26.01	28.52	0.7112
41	15	30	534999	2674.995	DFT-s-OFDM QPSK	1@1	23.06	24.34	26.76	29.27	0.8453
41	15	30	534999	2674.995	DFT-s-OFDM 16 QAM	1@1	21.87	23.29	25.65	28.16	0.6546
41	15	40	503202	2516.01	DFT-s-OFDM QPSK	1@1	23.27	23.51	26.40	28.91	0.7780
41	15	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@1	22.15	22.33	25.25	27.76	0.5970
41	15	40	518598	2593.005	DFT-s-OFDM QPSK	1@1	23.47	23.78	26.64	29.15	0.8222
41	15	40	518598	2593.005	DFT-s-OFDM 16 QAM	1@1	22.36	22.62	25.50	28.01	0.6324
41	15	40	534000	2670	DFT-s-OFDM QPSK	1@1	22.99	24.39	26.76	29.27	0.8453
41	15	40	534000	2670	DFT-s-OFDM 16 QAM	1@1	21.86	23.32	25.66	28.17	0.6561

41	15	50	504201	2521.005	DFT-s-OFDM PI/2 BPSK	135@67	23.41	23.34	26.39	28.9	0.7762
41	15	50	504201	2521.005	DFT-s-OFDM PI/2 BPSK	1@1	23.2	23.39	26.31	28.82	0.7621
41	15	50	504201	2521.005	DFT-s-OFDM PI/2 BPSK	1@268	23.4	23.44	26.43	28.94	0.7834
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	135@67	23.41	23.51	26.47	28.98	0.7907
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	1@1	23.18	23.27	26.24	28.75	0.7499
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	1@268	23.33	23.35	26.35	28.86	0.7691
41	15	50	504201	2521.005	DFT-s-OFDM 16 QAM	135@67	22.42	22.68	25.56	28.07	0.6412
41	15	50	504201	2521.005	DFT-s-OFDM 16 QAM	1@1	22.13	22.2	25.18	27.69	0.5875
41	15	50	504201	2521.005	DFT-s-OFDM 16 QAM	1@268	22.26	22.36	25.32	27.83	0.6067
41	15	50	504201	2521.005	DFT-s-OFDM 64 QAM	135@67	20.88	21.12	24.01	26.52	0.4487
41	15	50	504201	2521.005	DFT-s-OFDM 64 QAM	1@1	20.46	20.64	23.56	26.07	0.4046
41	15	50	504201	2521.005	DFT-s-OFDM 64 QAM	1@268	20.65	21.02	23.85	26.36	0.4325
41	15	50	504201	2521.005	DFT-s-OFDM 256 QAM	135@67	18.9	19.06	21.99	24.5	0.2818
41	15	50	504201	2521.005	DFT-s-OFDM 256 QAM	1@1	18.49	18.58	21.55	24.06	0.2547
41	15	50	504201	2521.005	DFT-s-OFDM 256 QAM	1@268	18.62	18.67	21.66	24.17	0.2612
41	15	50	504201	2521.005	CP-OFDM QPSK	135@67	21.87	22.12	25.01	27.52	0.5649
41	15	50	504201	2521.005	CP-OFDM QPSK	1@1	21.86	21.94	24.91	27.42	0.5521
41	15	50	504201	2521.005	CP-OFDM QPSK	1@268	21.94	21.85	24.91	27.42	0.5521
41	15	50	518601	2593.005	DFT-s-OFDM PI/2 BPSK	135@67	23.55	24.01	26.80	29.31	0.8531
41	15	50	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@1	23.56	23.87	26.73	29.24	0.8395
41	15	50	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@268	23.7	24.44	27.10	29.61	0.9141
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	135@67	23.63	24.05	26.86	29.37	0.8650
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	1@1	23.62	23.8	26.72	29.23	0.8375
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	1@268	23.49	24.74	27.17	29.68	0.9290
41	15	50	518601	2593.005	DFT-s-OFDM 16 QAM	135@67	22.65	23.22	25.95	28.46	0.7015
41	15	50	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	22.41	22.8	25.62	28.13	0.6501
41	15	50	518601	2593.005	DFT-s-OFDM 16 QAM	1@268	22.57	23.31	25.97	28.48	0.7047
41	15	50	518601	2593.005	DFT-s-OFDM 64 QAM	135@67	21.12	21.71	24.44	26.95	0.4955
41	15	50	518601	2593.005	DFT-s-OFDM 64 QAM	1@1	21.22	21.47	24.36	26.87	0.4864
41	15	50	518601	2593.005	DFT-s-OFDM 64 QAM	1@268	21.05	21.67	24.38	26.89	0.4887
41	15	50	518601	2593.005	DFT-s-OFDM 256 QAM	135@67	19.09	19.68	22.41	24.92	0.3105
41	15	50	518601	2593.005	DFT-s-OFDM 256 QAM	1@1	18.82	19.07	21.96	24.47	0.2799
41	15	50	518601	2593.005	DFT-s-OFDM 256 QAM	1@268	18.92	19.65	22.31	24.82	0.3034
41	15	50	518601	2593.005	CP-OFDM QPSK	135@67	22.06	22.67	25.39	27.9	0.6166
41	15	50	518601	2593.005	CP-OFDM QPSK	1@1	22.08	22.47	25.29	27.8	0.6026
41	15	50	518601	2593.005	CP-OFDM QPSK	1@268	22.26	22.96	25.63	28.14	0.6516

41	15	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	135@67	23.17	24.49	26.89	29.4	0.8710
41	15	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	1@1	23.04	24.4	26.78	29.29	0.8492
41	15	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	1@268	23.5	24.48	27.03	29.54	0.8995
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	135@67	23.21	24.54	26.94	29.45	0.8810
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	1@1	23.19	24.25	26.76	29.27	0.8453
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	1@268	23.39	24.46	26.97	29.48	0.8872
41	15	50	532998	2664.99	DFT-s-OFDM 16 QAM	135@67	22.22	23.58	25.96	28.47	0.7031
41	15	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@1	21.89	23.19	25.60	28.11	0.6471
41	15	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@268	22.28	23.35	25.86	28.37	0.6871
41	15	50	532998	2664.99	DFT-s-OFDM 64 QAM	135@67	20.7	22.12	24.48	26.99	0.5000
41	15	50	532998	2664.99	DFT-s-OFDM 64 QAM	1@1	20.61	21.65	24.17	26.68	0.4656
41	15	50	532998	2664.99	DFT-s-OFDM 64 QAM	1@268	20.63	21.77	24.25	26.76	0.4742
41	15	50	532998	2664.99	DFT-s-OFDM 256 QAM	135@67	18.75	20.09	22.48	24.99	0.3155
41	15	50	532998	2664.99	DFT-s-OFDM 256 QAM	1@1	18.26	19.58	21.98	24.49	0.2812
41	15	50	532998	2664.99	DFT-s-OFDM 256 QAM	1@268	18.81	19.57	22.22	24.73	0.2972
41	15	50	532998	2664.99	CP-OFDM QPSK	135@67	21.67	23.08	25.44	27.95	0.6237
41	15	50	532998	2664.99	CP-OFDM QPSK	1@1	21.75	22.93	25.39	27.9	0.6166
41	15	50	532998	2664.99	CP-OFDM QPSK	1@268	21.97	22.78	25.40	27.91	0.6180

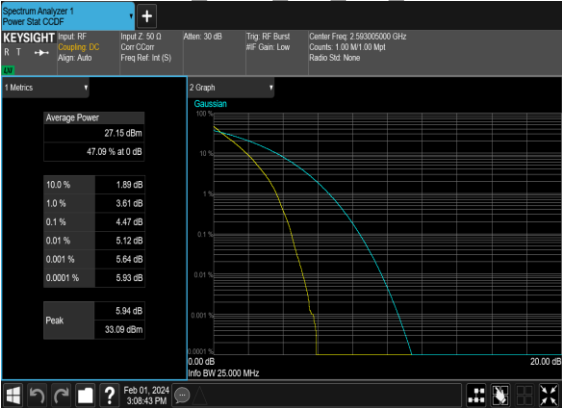
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0040	PASS	NV
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0055	PASS	LV
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0070	PASS	HV
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0052	PASS	-30°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0062	PASS	-20°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0063	PASS	-10°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0068	PASS	0°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0062	PASS	10°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0040	PASS	20°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0022	PASS	30°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0021	PASS	40°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0031	PASS	50°C

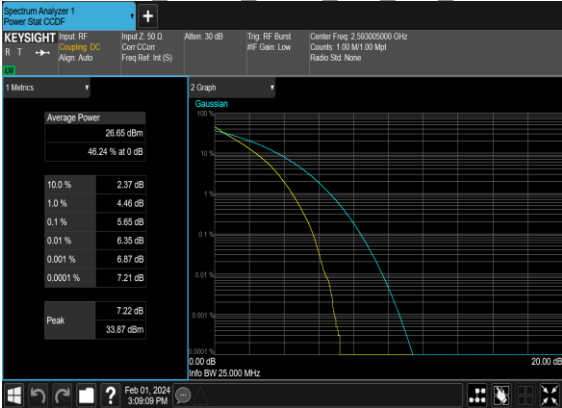
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	15	20	518601	2593.005	DFT-s-OFDM PI/2 BPSK	100@0	4.47	13	PASS
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	5.65	13	PASS

N41(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



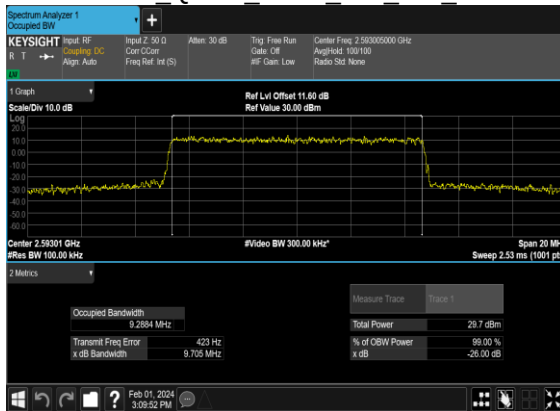
N41(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



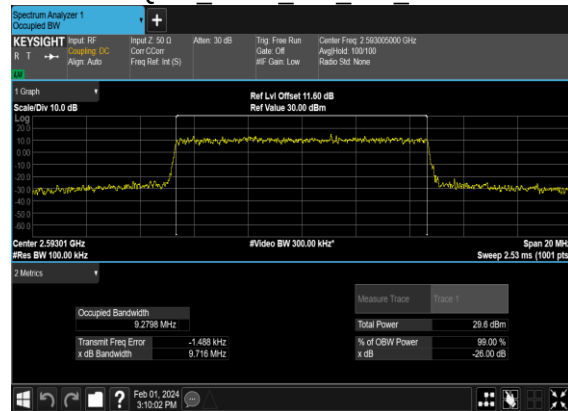
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
41	15	10	518601	2593.01	CP-OFDM QPSK	52@0	9.2884	9.705
41	15	10	518601	2593.01	CP-OFDM 16 QAM	52@0	9.2798	9.716
41	15	10	518601	2593.01	CP-OFDM 64 QAM	52@0	9.2906	9.697
41	15	10	518601	2593.01	CP-OFDM 256 QAM	52@0	9.2724	9.603
41	15	15	518601	2593.01	CP-OFDM QPSK	79@0	14.041	14.58
41	15	15	518601	2593.01	CP-OFDM 16 QAM	79@0	14.067	14.62
41	15	15	518601	2593.01	CP-OFDM 64 QAM	79@0	14.103	14.61
41	15	15	518601	2593.01	CP-OFDM 256 QAM	79@0	14.073	14.75
41	15	20	518601	2593.01	CP-OFDM QPSK	106@0	18.969	19.52
41	15	20	518601	2593.01	CP-OFDM 16 QAM	106@0	18.941	19.5
41	15	20	518601	2593.01	CP-OFDM 64 QAM	106@0	18.913	19.59
41	15	20	518601	2593.01	CP-OFDM 256 QAM	106@0	18.933	19.7
41	15	30	518601	2593.01	CP-OFDM QPSK	160@0	28.531	29.47
41	15	30	518601	2593.01	CP-OFDM 16 QAM	160@0	28.581	29.57
41	15	30	518601	2593.01	CP-OFDM 64 QAM	160@0	28.471	29.55
41	15	30	518601	2593.01	CP-OFDM 256 QAM	160@0	28.538	29.57
41	15	40	518598	2593.01	CP-OFDM QPSK	216@0	38.514	39.86
41	15	40	518598	2593.01	CP-OFDM 16 QAM	216@0	38.472	39.76
41	15	40	518598	2593.01	CP-OFDM 64 QAM	216@0	38.57	39.82
41	15	40	518598	2593.01	CP-OFDM 256 QAM	216@0	38.488	39.87
41	15	50	518601	2593.01	CP-OFDM QPSK	270@0	48.078	49.66
41	15	50	518601	2593.01	CP-OFDM 16 QAM	270@0	48.118	49.76
41	15	50	518601	2593.01	CP-OFDM 64 QAM	270@0	48.01	49.78
41	15	50	518601	2593.01	CP-OFDM 256 QAM	270@0	48.136	49.69

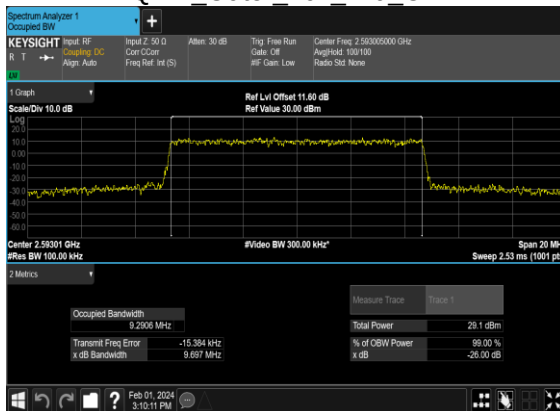
N41(10M)_CP-
OFDM QPSK Outer Full Mid CH



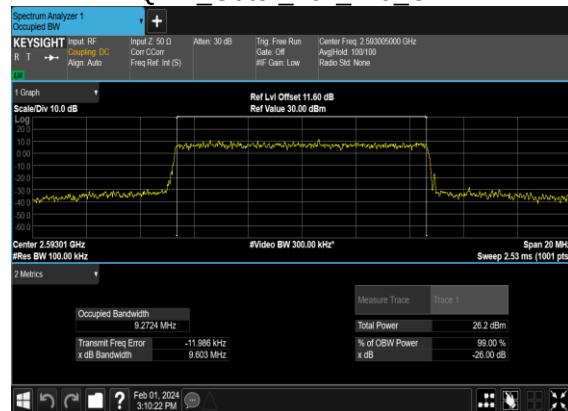
N41(10M)_CP-OFDM_16
QAM Outer Full Mid CH



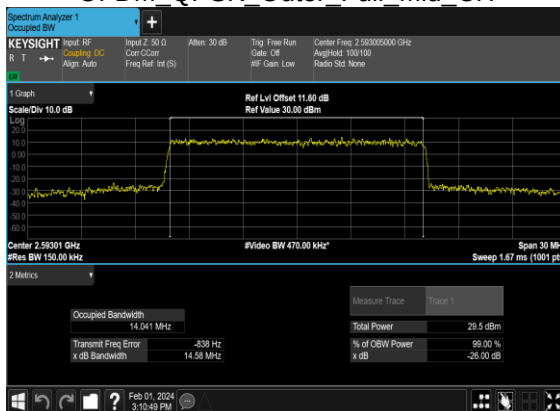
N41(10M)_CP-OFDM_64
QAM Outer Full Mid CH



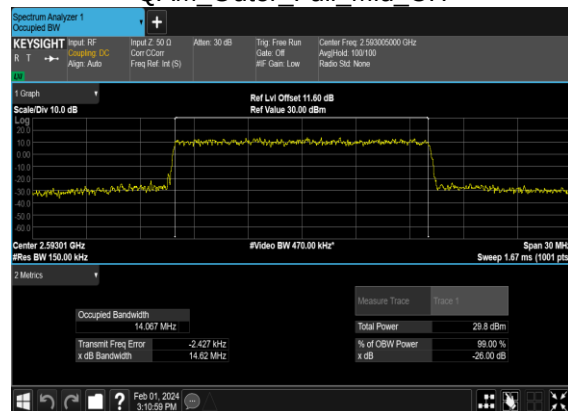
N41(10M)_CP-OFDM_256
QAM Outer Full Mid CH



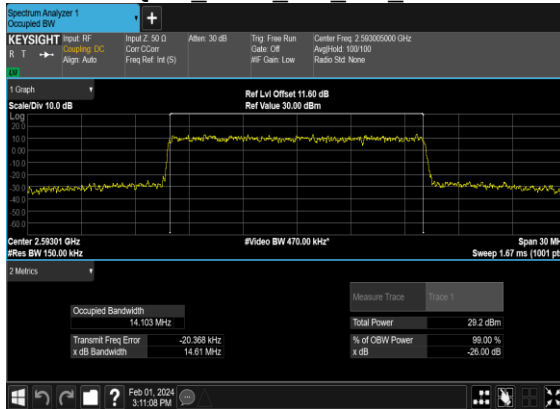
N41(15M)_CP-
OFDM QPSK Outer Full Mid CH



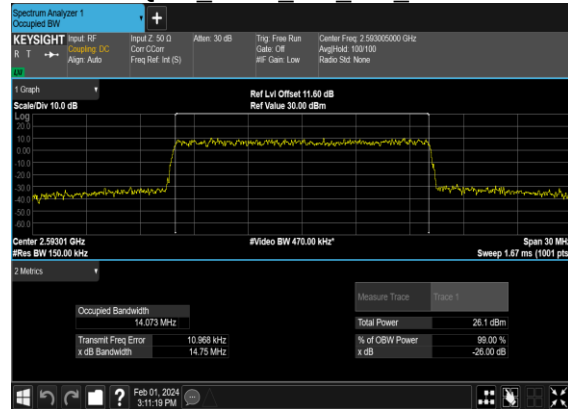
N41(15M)_CP-OFDM_16
QAM Outer Full Mid CH



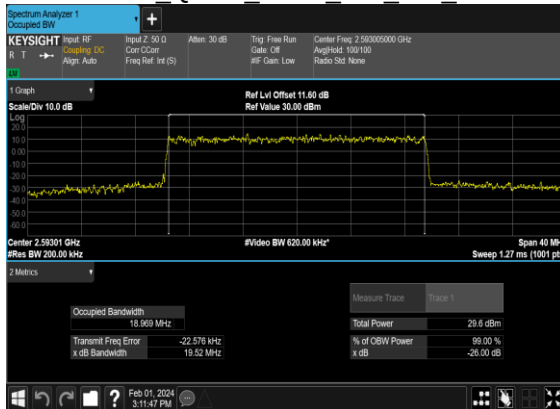
N41(15M)_CP-OFDM_64
QAM Outer Full Mid CH



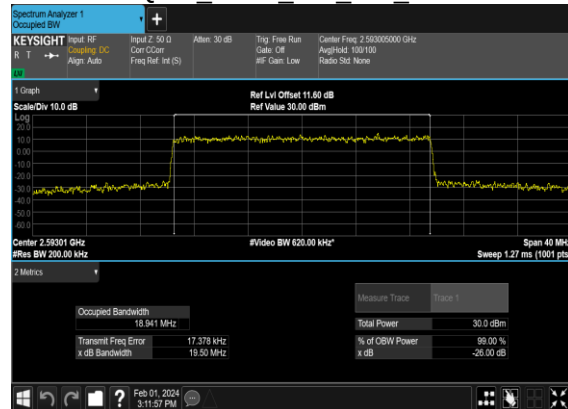
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QAM Outer Full Mid CH



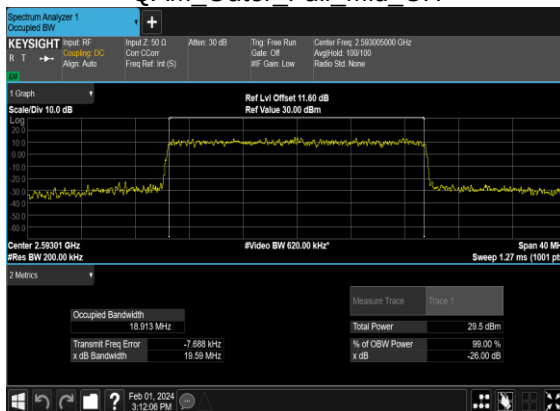
N41(20M)_CP-OFDM_QPSK Outer Full Mid CH



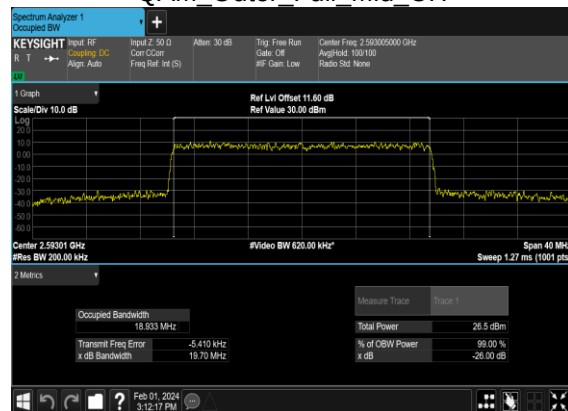
N41(20M)_CP-OFDM_16
QAM Outer Full Mid CH



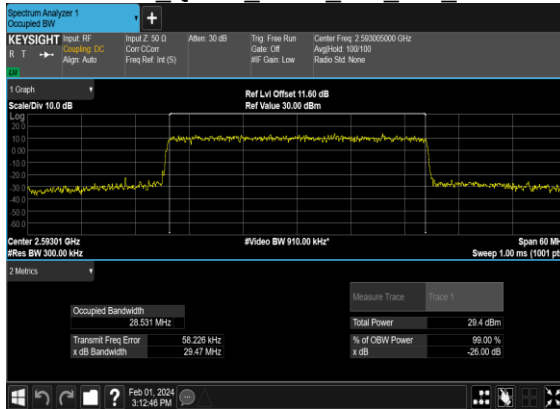
N41(20M)_CP-OFDM_64
QAM Outer Full Mid CH



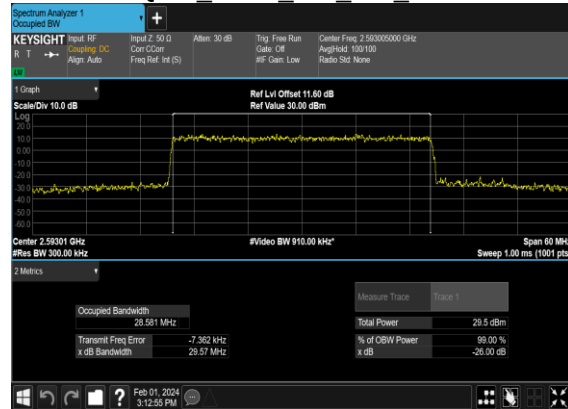
N41(20M)_CP-OFDM_256
QAM Outer Full Mid CH



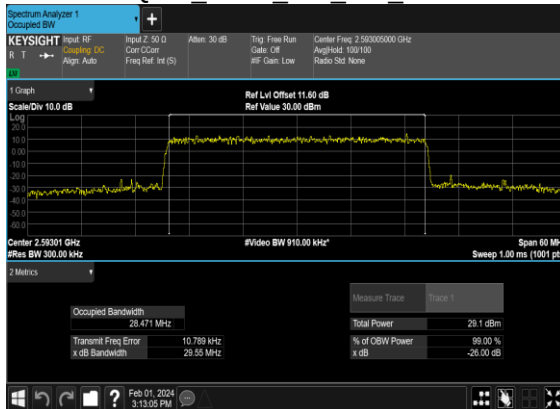
N41(30M)_CP-OFDM_QPSK Outer Full Mid CH



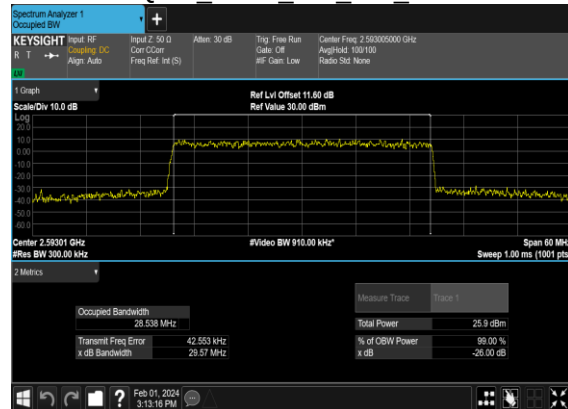
N41(30M)_CP-OFDM_16QAM Outer Full Mid CH



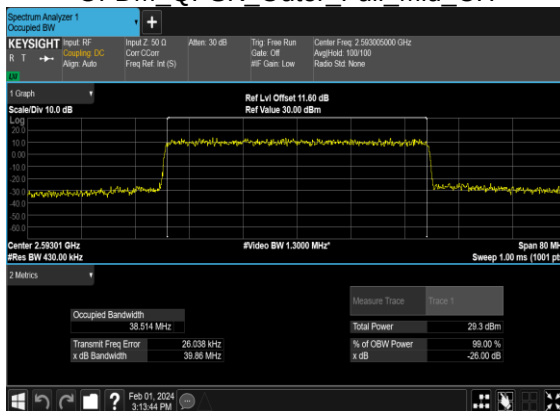
N41(30M)_CP-OFDM_64QAM Outer Full Mid CH



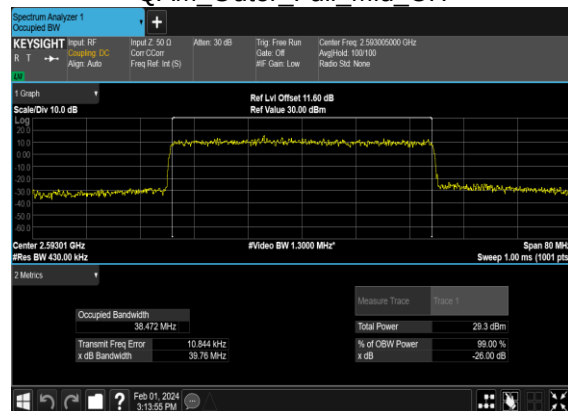
N41(30M)_CP-OFDM_256QAM Outer Full Mid CH



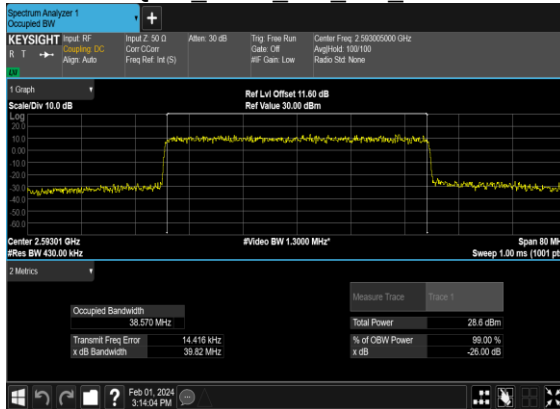
N41(40M)_CP-OFDM_QPSK Outer Full Mid CH



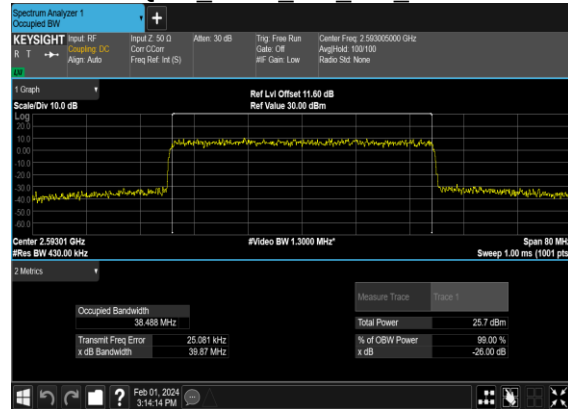
N41(40M)_CP-OFDM_16QAM Outer Full Mid CH



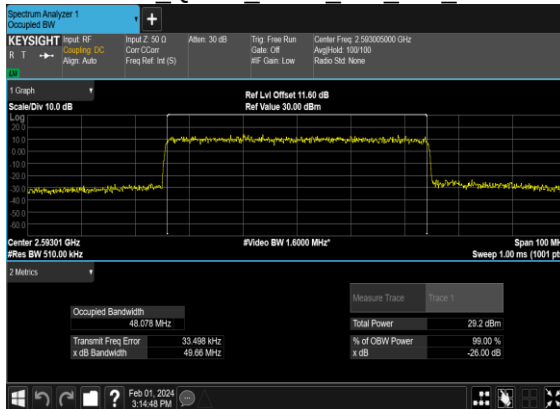
N41(40M)_CP-OFDM_64
QAM Outer Full Mid CH



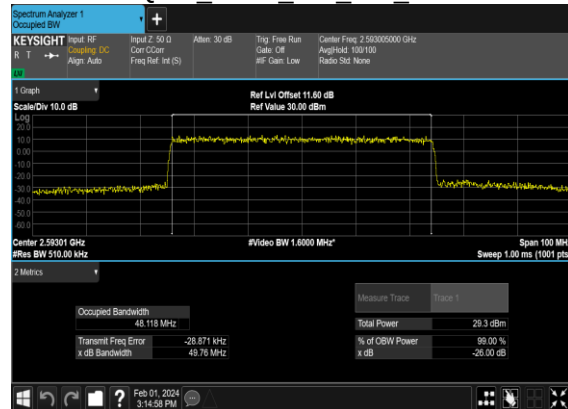
N41(40M)_CP-OFDM_256
QAM Outer Full Mid CH



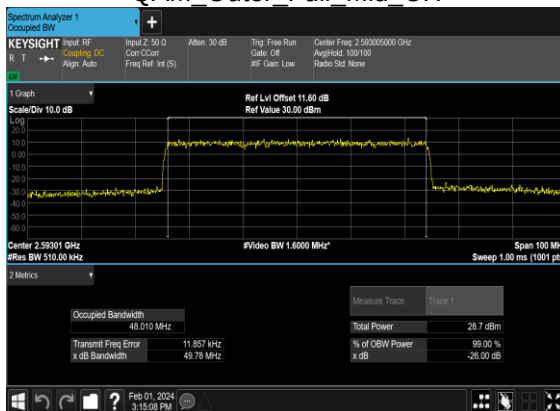
N41(50M)_CP-OFDM_QPSK Outer Full Mid CH



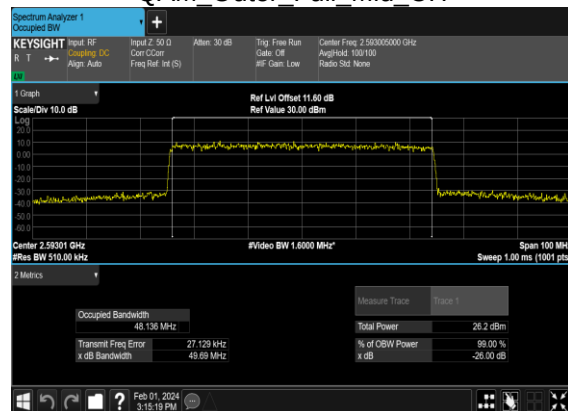
N41(50M)_CP-OFDM_16
QAM Outer Full Mid CH



N41(50M)_CP-OFDM_64
QAM Outer Full Mid CH



N41(50M)_CP-OFDM_256
QAM Outer Full Mid CH



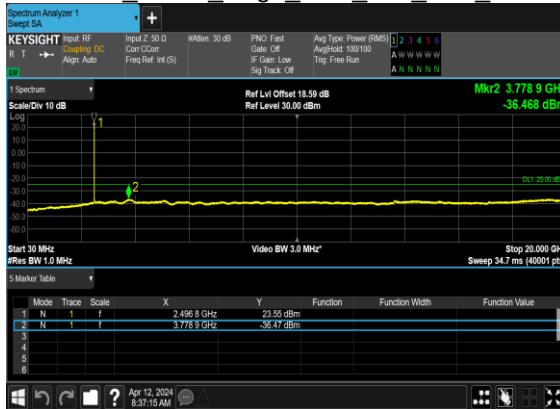
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	15	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	---
41	15	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	---
41	15	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	10	518601	2593.005	DFT-s-OFDM BPSK	1@0	see graph	---
41	15	10	518601	2593.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	10	518601	2593.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	10	518601	2593.005	DFT-s-OFDM QPSK	1@0	see graph	---
41	15	10	518601	2593.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	10	518601	2593.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	10	537000	2685.0	DFT-s-OFDM BPSK	1@0	see graph	---
41	15	10	537000	2685.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	10	537000	2685.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	---
41	15	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	20	501201	2506.005	DFT-s-OFDM BPSK	1@0	see graph	---
41	15	20	501201	2506.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	20	501201	2506.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	1@0	see graph	---

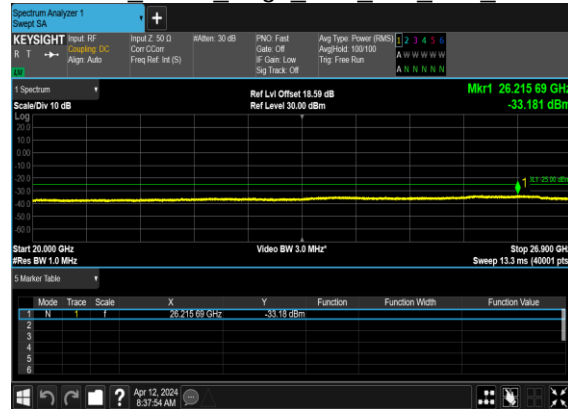
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	20	518601	2593.005	DFT-s-OFDM BPSK	1@0	see graph	---
41	15	20	518601	2593.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	20	518601	2593.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	1@0	see graph	---
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	20	535998	2679.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	15	20	535998	2679.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	20	535998	2679.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	50	504201	2521.005	DFT-s-OFDM BPSK	1@0	see graph	---
41	15	50	504201	2521.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	50	504201	2521.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	1@0	see graph	---
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	50	518601	2593.005	DFT-s-OFDM BPSK	1@0	see graph	---
41	15	50	518601	2593.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	50	518601	2593.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	1@0	see graph	---

41	15	50	518601	2593.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	50	532998	2664.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	15	50	532998	2664.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	50	532998	2664.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	PASS

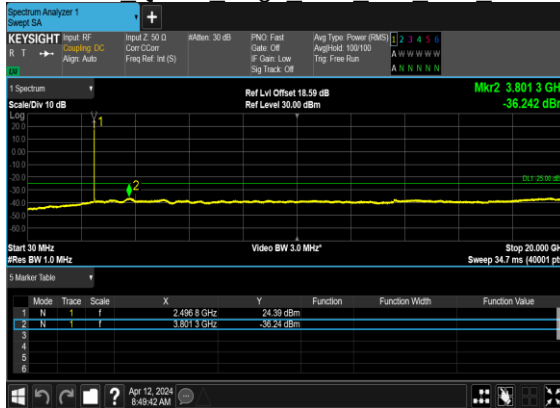
N41(10M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



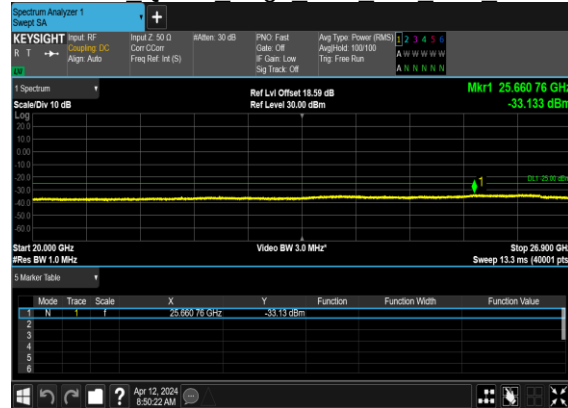
N41(10M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



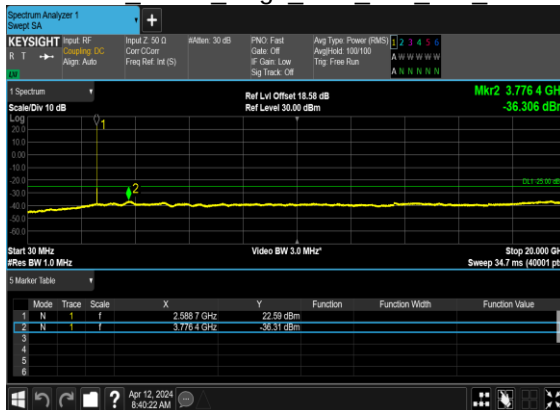
N41(10M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



N41(10M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



N41(10M)_DFT-s-OFDM BPSK Edge 1RB Left Mid CH



N41(10M)_DFT-s-OFDM BPSK Edge 1RB Left Mid CH

