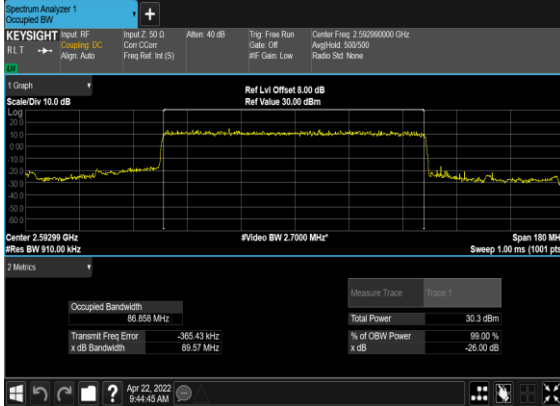
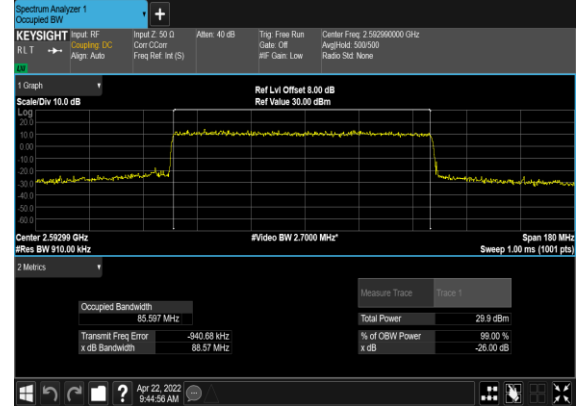


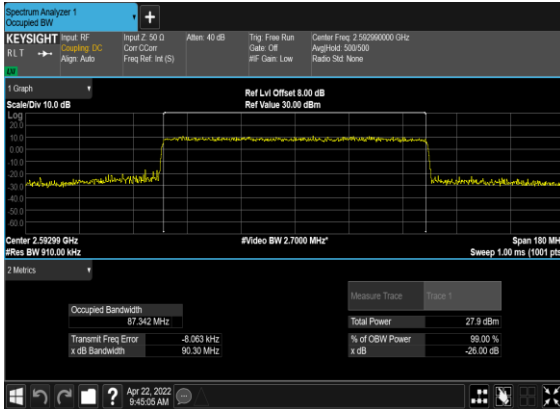
N41(90M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



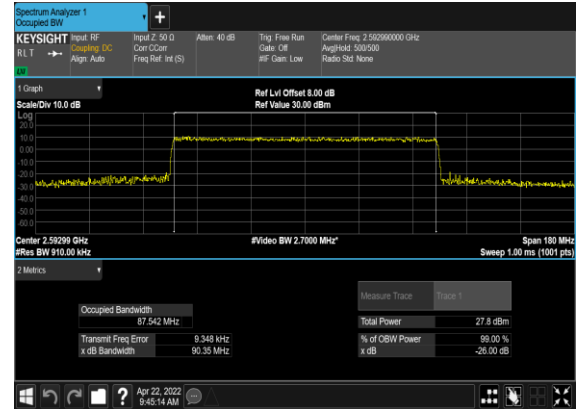
N41(90M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



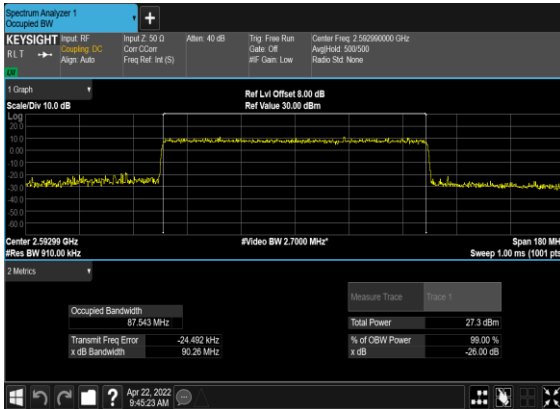
N41(90M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



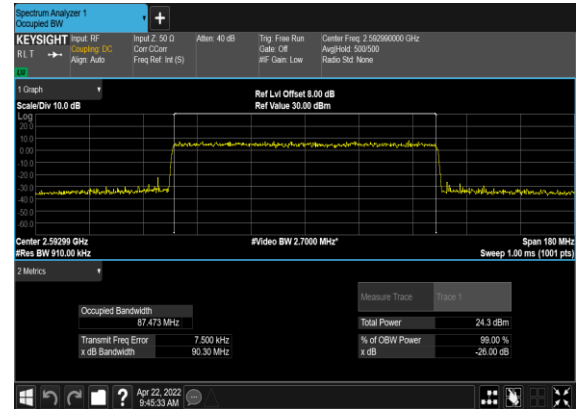
N41(90M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



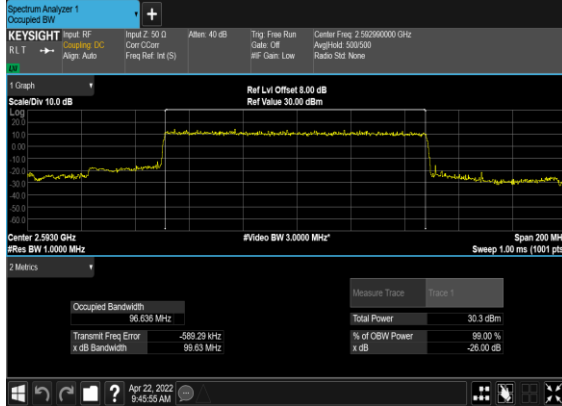
N41(90M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



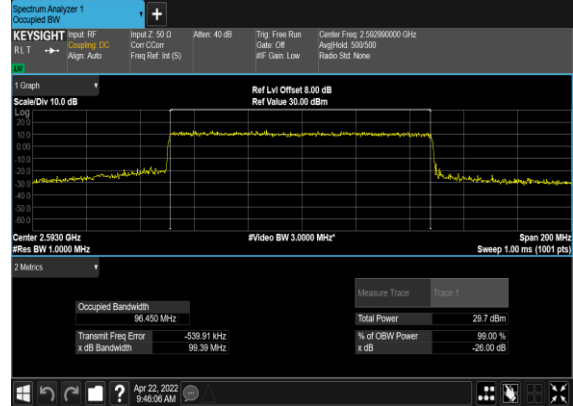
N41(90M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



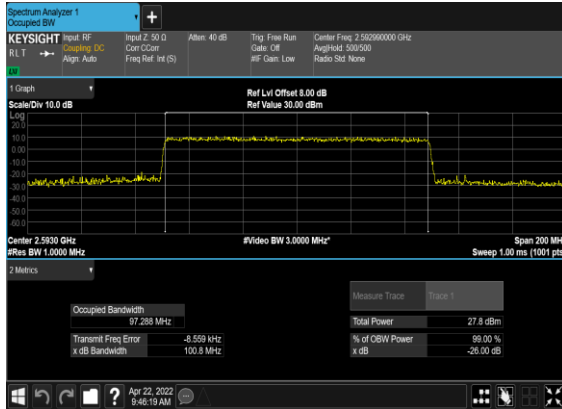
N41(100M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



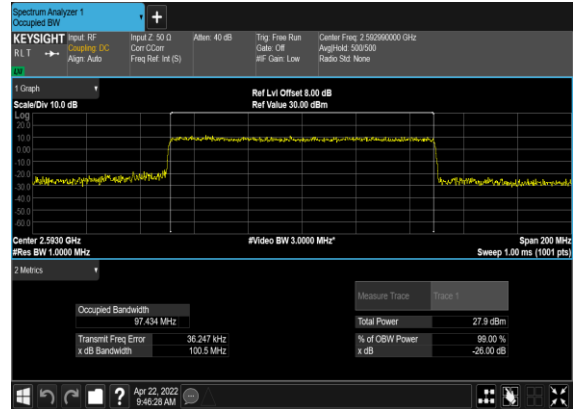
N41(100M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



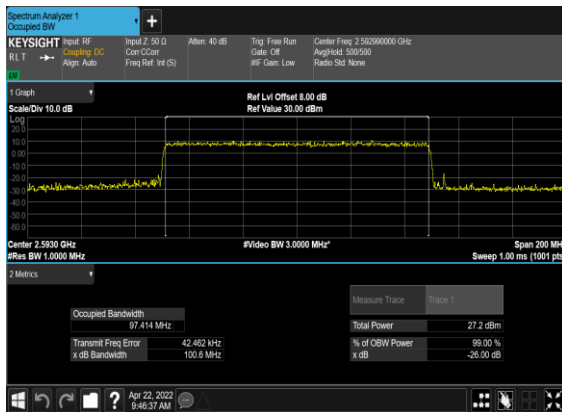
N41(100M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



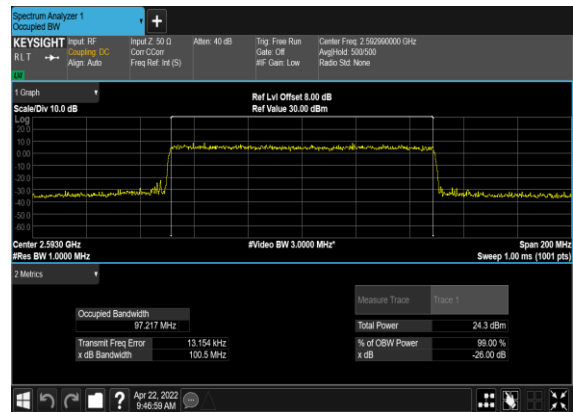
N41(100M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N41(100M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



N41(100M)\_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	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	10	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	---

41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	50	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	50	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	50	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---

41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>

N41(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



N41(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



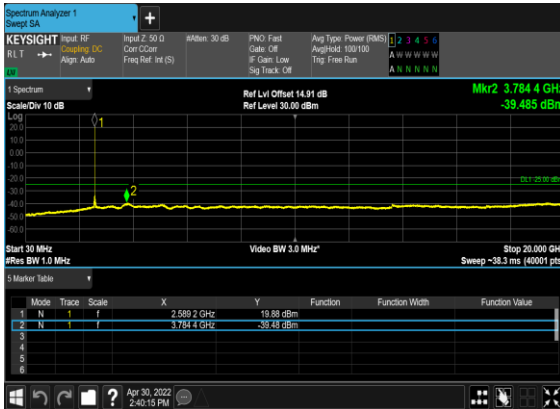
N41(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



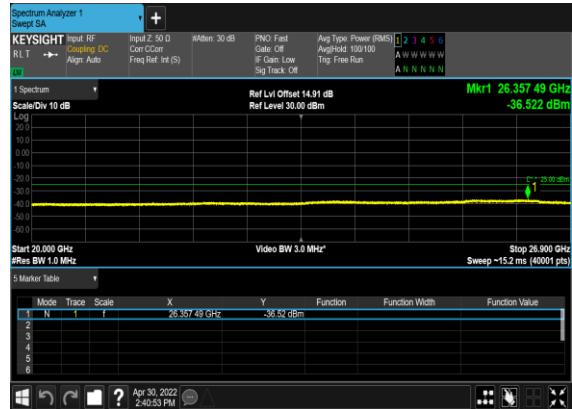
N41(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N41(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



N41(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



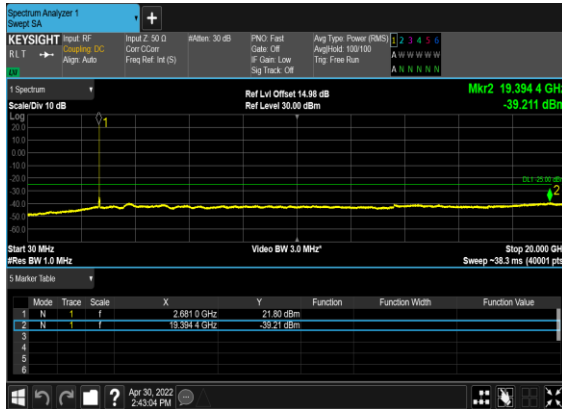
N41(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N41(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



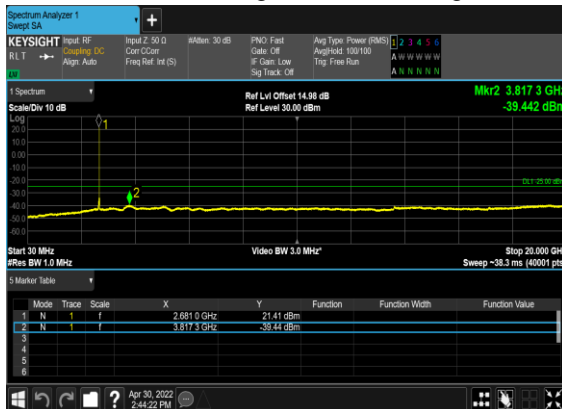
N41(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



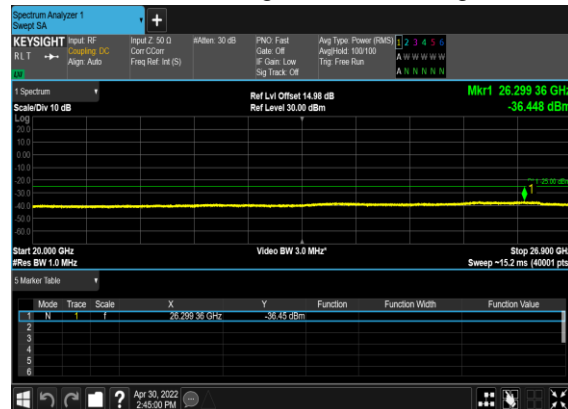
N41(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N41(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



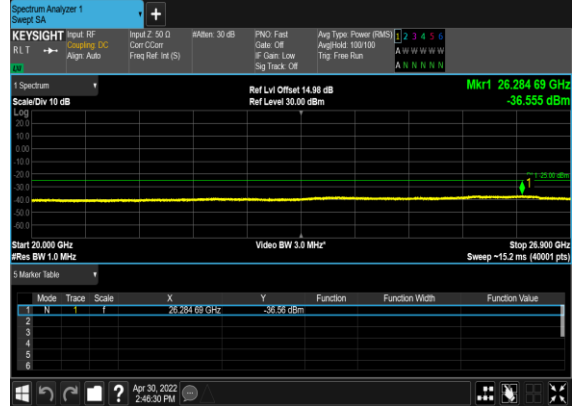
N41(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



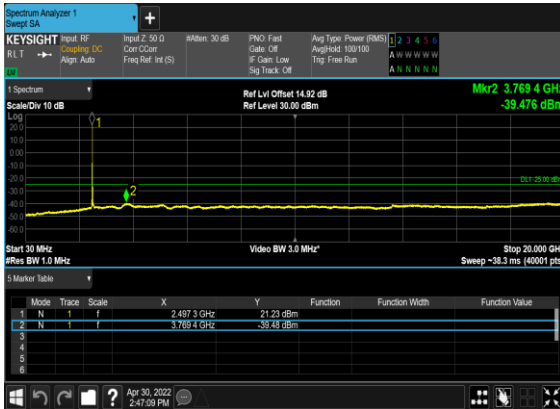
N41(50M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



N41(50M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



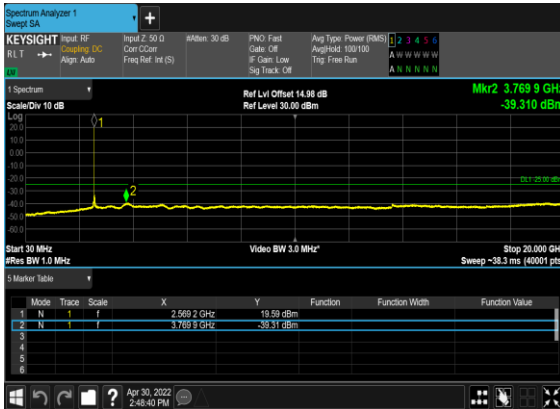
N41(50M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N41(50M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N41(50M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



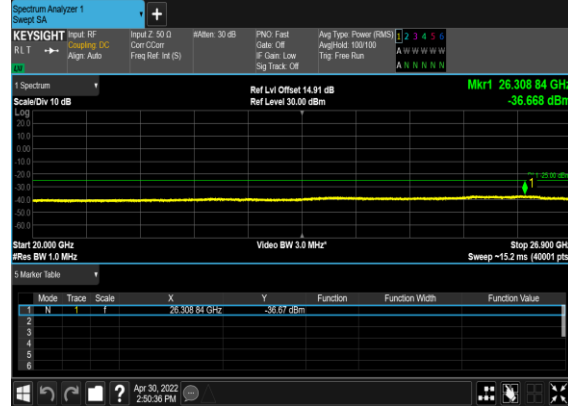
N41(50M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



N41(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



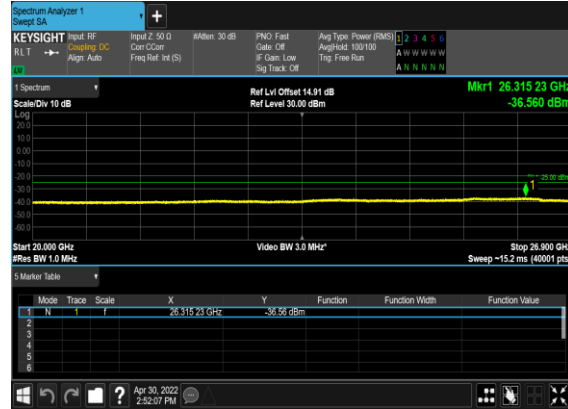
N41(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



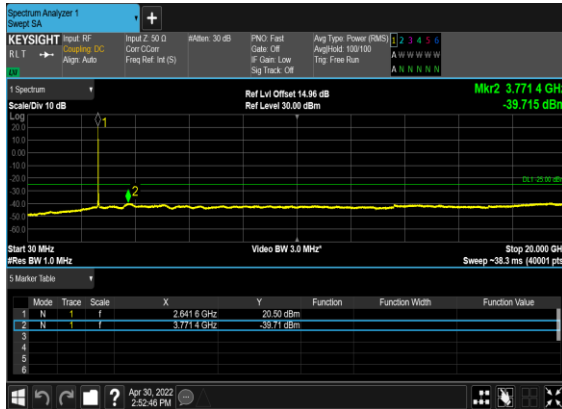
N41(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N41(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N41(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



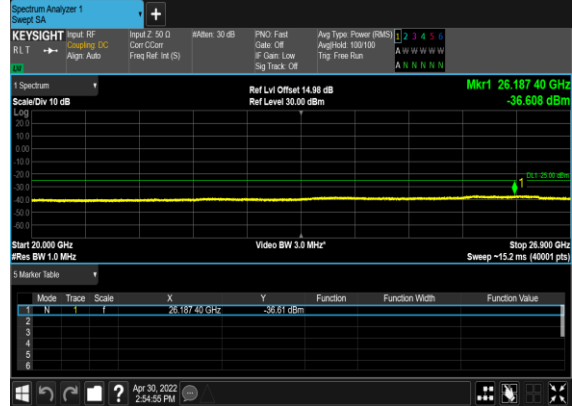
N41(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



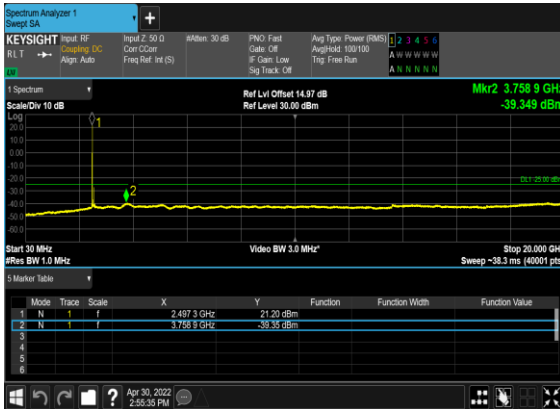
N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



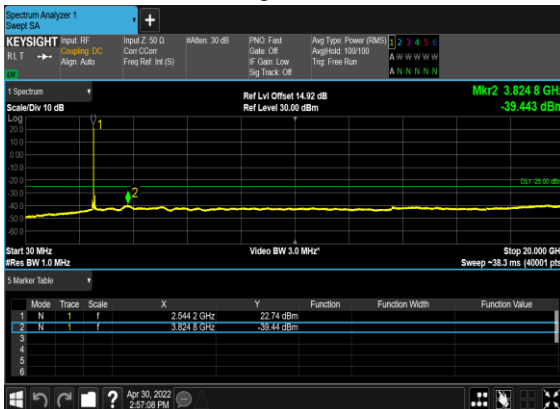
N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



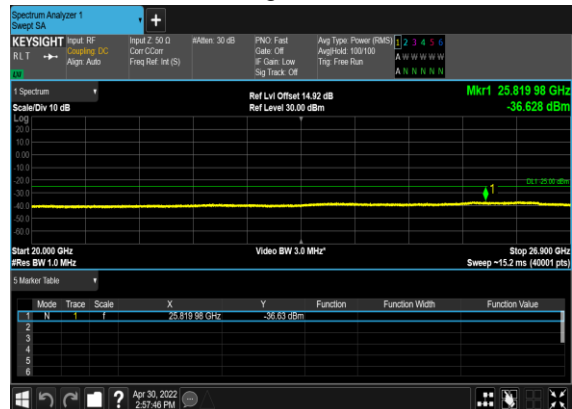
N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



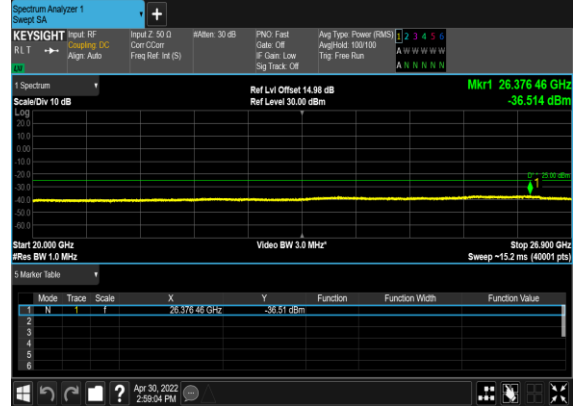
N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



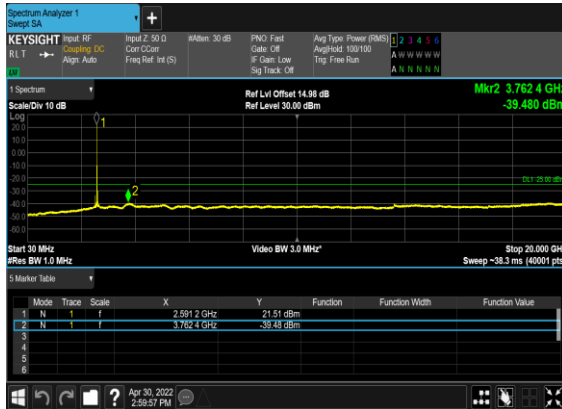
N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



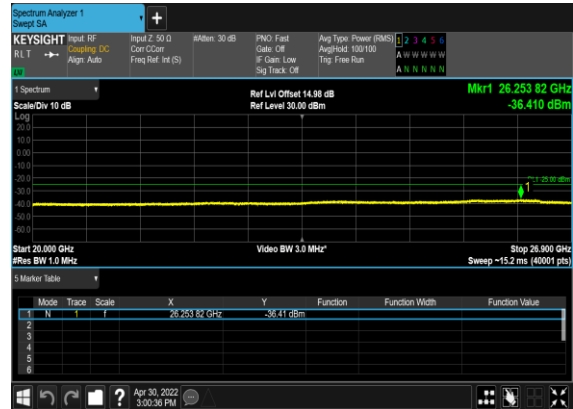
N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



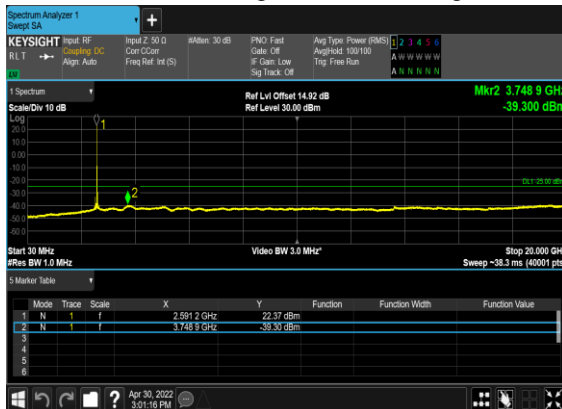
N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



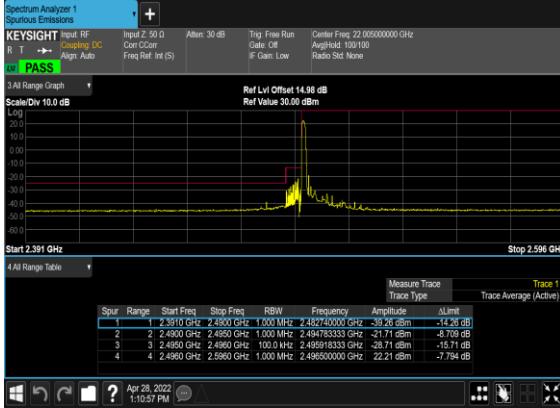
N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



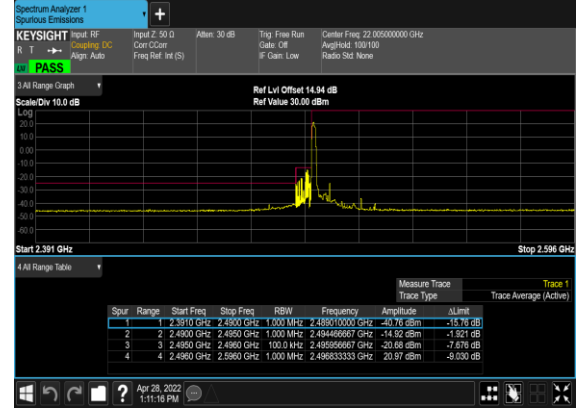
## Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	24@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	24@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@23	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@23	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	128@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	128@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@132	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	128@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(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



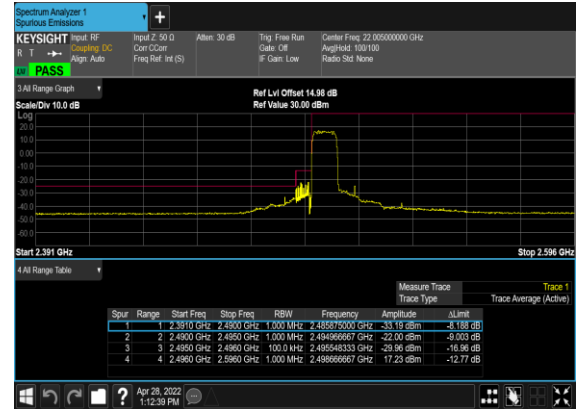
### N41(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



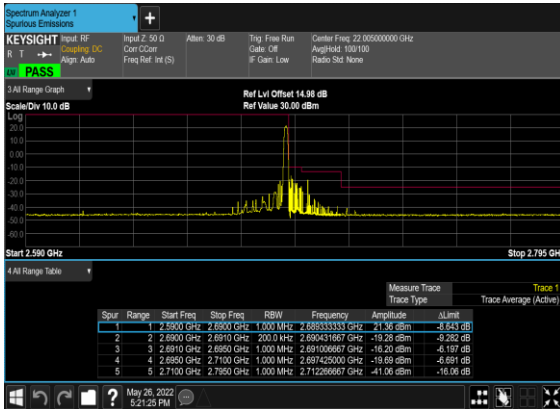
### N41(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



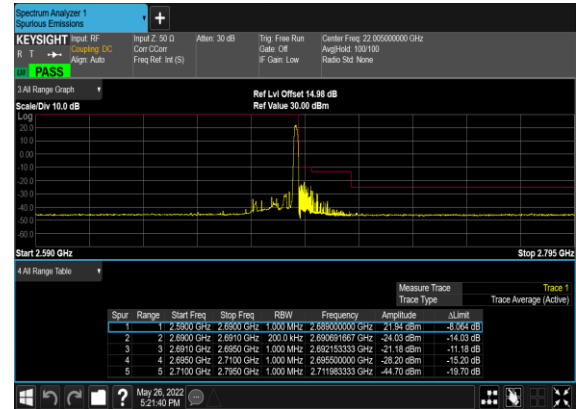
### N41(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



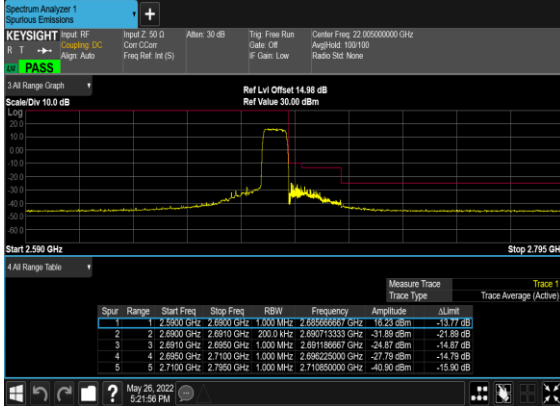
### N41(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



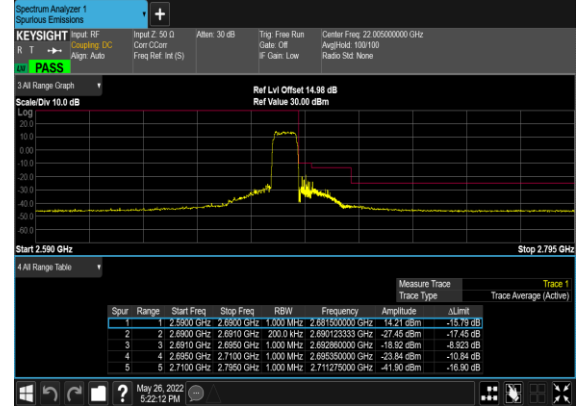
### N41(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



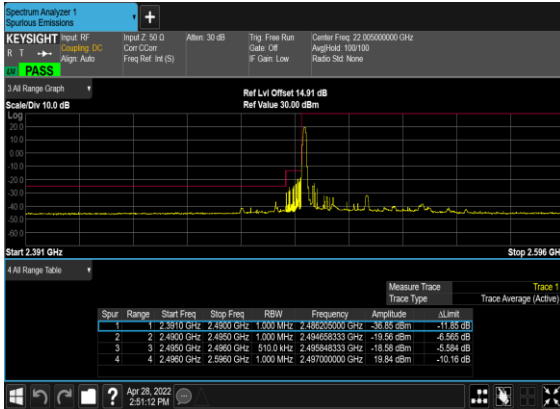
N41(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



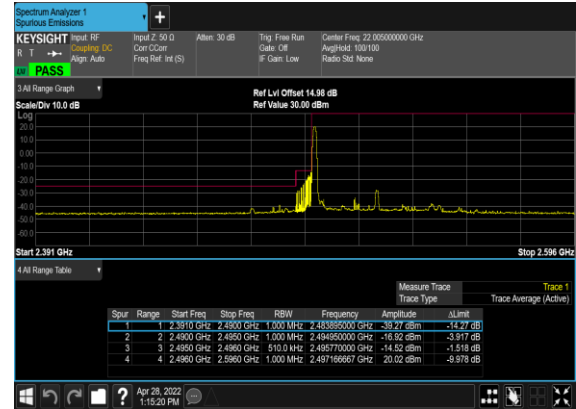
N41(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



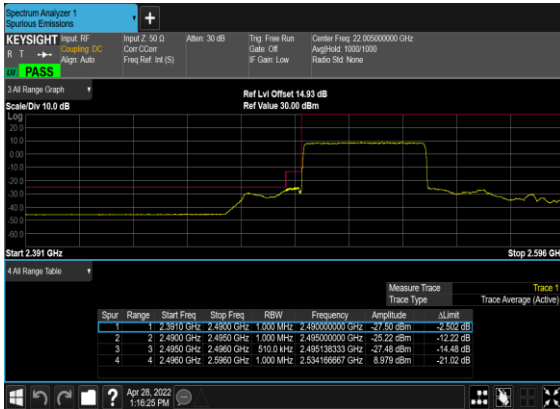
N41(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



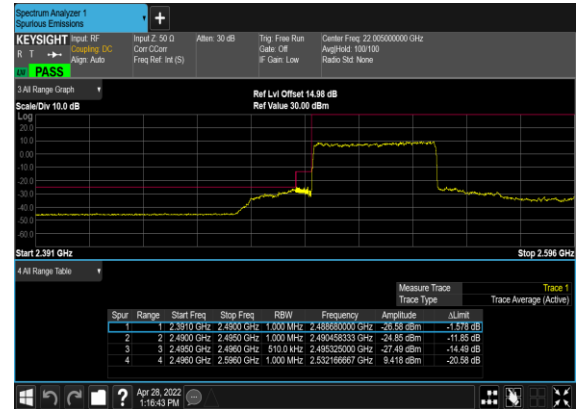
N41(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



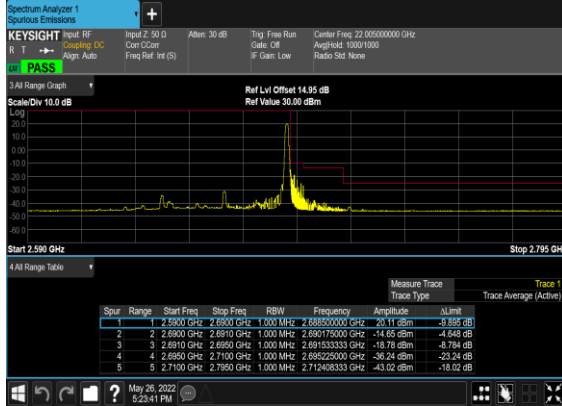
N41(50M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



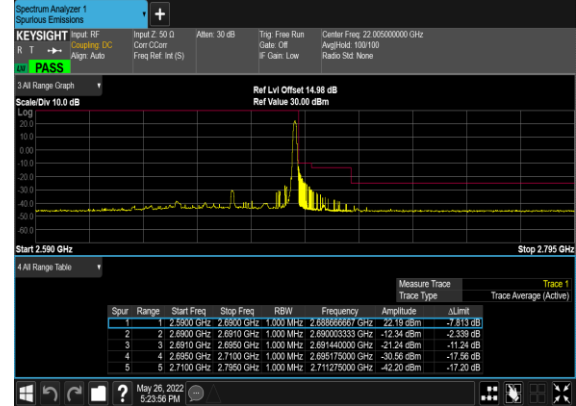
N41(50M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



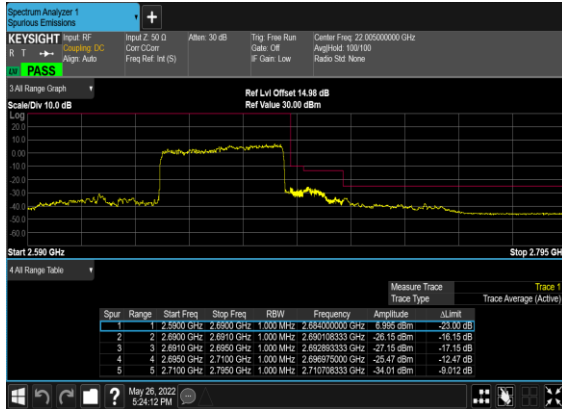
N41(50M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



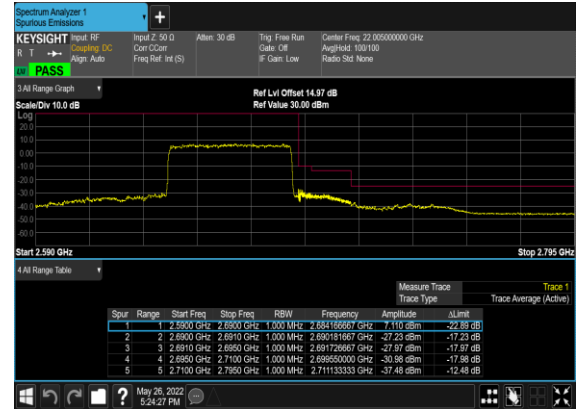
N41(50M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



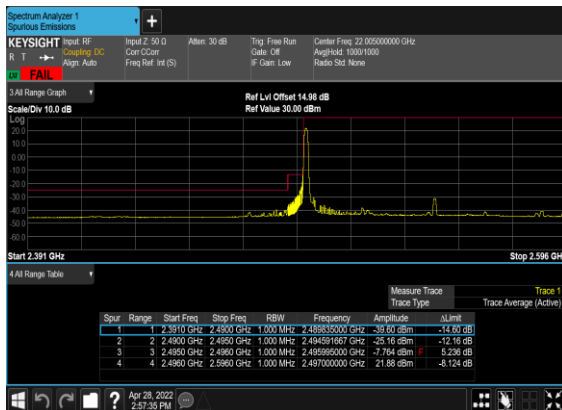
N41(50M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH



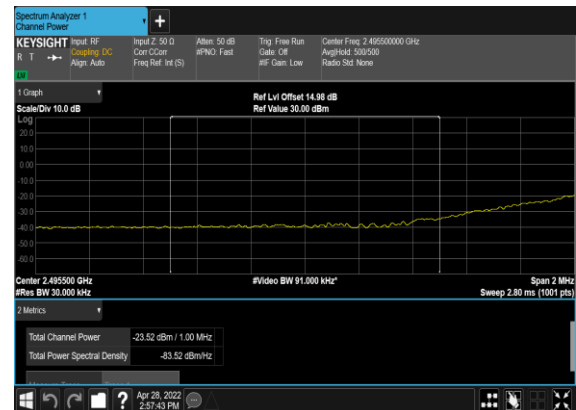
N41(50M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH



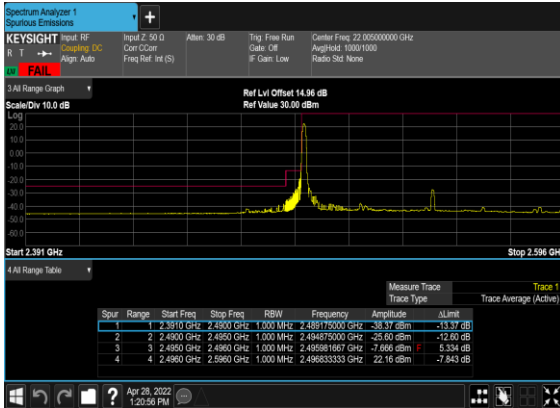
N41(100M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



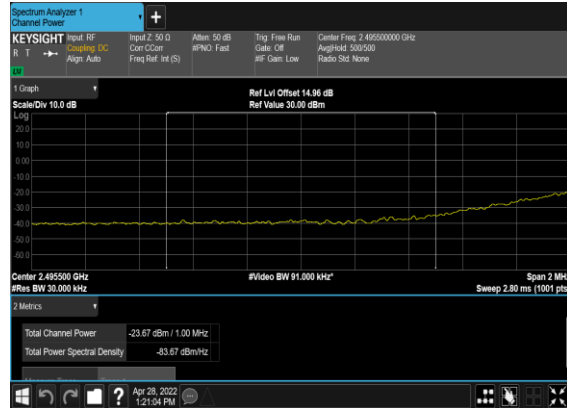
N41(100M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH  
\_CHP\_PASS



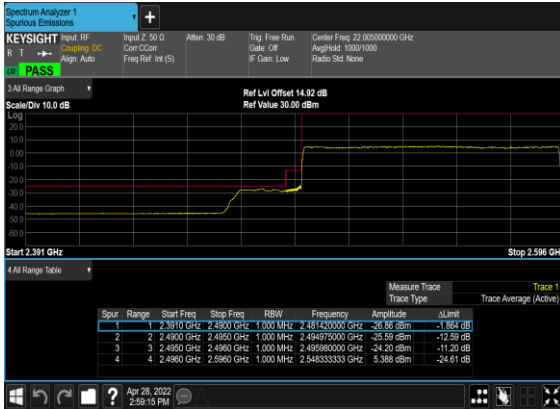
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



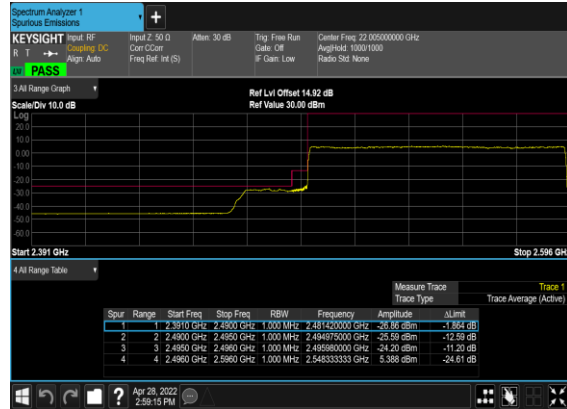
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS



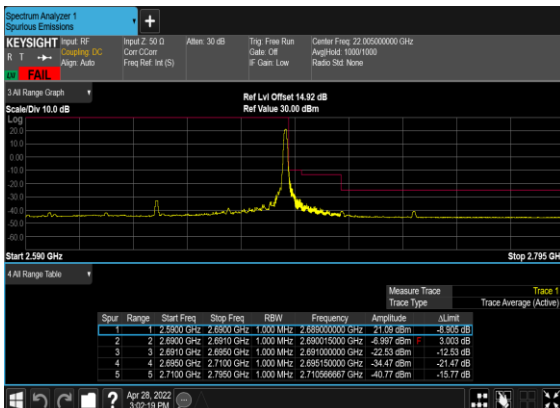
### N41(100M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



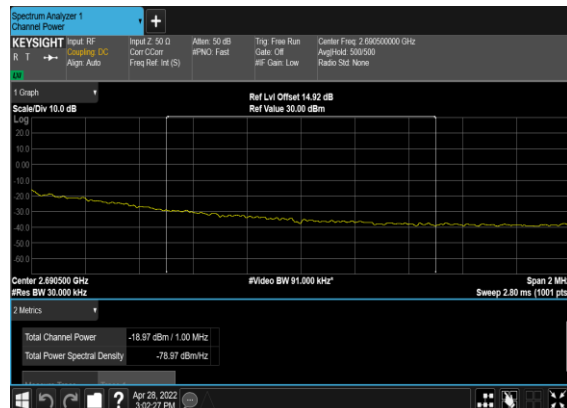
### N41(100M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



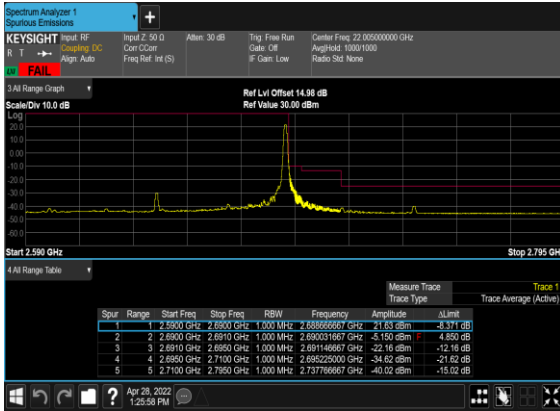
### N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



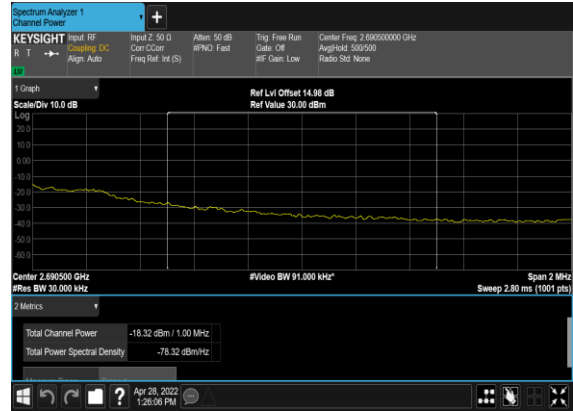
### N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH\_CHP\_PASS



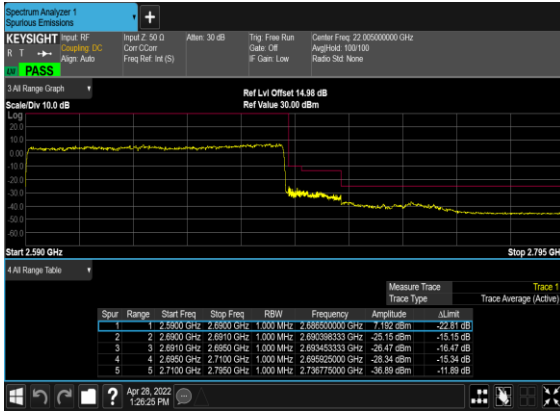
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



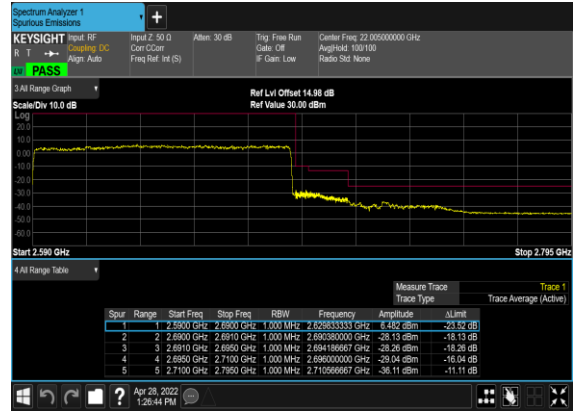
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH\_CHP\_PASS



### N41(100M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



### N41(100M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



# FR1 N41 UL MIMO- SCS 15KHz (ANT5+ANT6)

## Transmitter Conducted Output Power and EIRP Gain=-2.19dBi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT6 Power (dBm)	ANT5 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
41	15	10	500202	2501.01	DFT-s-OFDM PI/2 BPSK	25@12	25.96	26.08	29.03	26.84	0.4831
41	15	10	500202	2501.01	DFT-s-OFDM PI/2 BPSK	1@1	25.51	25.86	28.70	26.51	0.4476
41	15	10	500202	2501.01	DFT-s-OFDM PI/2 BPSK	1@50	25.65	26.02	28.85	26.66	0.4634
41	15	10	500202	2501.01	DFT-s-OFDM QPSK	25@12	26.51	25.95	29.25	27.06	0.5081
41	15	10	500202	2501.01	DFT-s-OFDM QPSK	1@1	25.42	25.72	28.58	26.39	0.4358
41	15	10	500202	2501.01	DFT-s-OFDM QPSK	1@50	25.61	25.77	28.70	26.51	0.4478
41	15	10	500202	2501.01	DFT-s-OFDM 16 QAM	25@12	23.77	23.42	26.61	24.42	0.2766
41	15	10	500202	2501.01	DFT-s-OFDM 16 QAM	1@1	23.49	23.52	26.52	24.33	0.2707
41	15	10	500202	2501.01	DFT-s-OFDM 16 QAM	1@50	23.72	23.31	26.53	24.34	0.2717
41	15	10	500202	2501.01	DFT-s-OFDM 64 QAM	25@12	22.34	21.89	25.13	22.94	0.1968
41	15	10	500202	2501.01	DFT-s-OFDM 64 QAM	1@1	22.22	21.64	24.95	22.76	0.1888
41	15	10	500202	2501.01	DFT-s-OFDM 64 QAM	1@50	22.19	21.22	24.74	22.55	0.1800
41	15	10	500202	2501.01	DFT-s-OFDM 256 QAM	25@12	19.06	18.6	21.85	19.66	0.0924
41	15	10	500202	2501.01	DFT-s-OFDM 256 QAM	1@1	18.63	18.8	21.73	19.54	0.0899
41	15	10	500202	2501.01	DFT-s-OFDM 256 QAM	1@50	19.05	18.79	21.93	19.74	0.0942
41	15	10	500202	2501.01	CP-OFDM QPSK	26@13	22.36	22.01	25.20	23.01	0.1999
41	15	10	500202	2501.01	CP-OFDM QPSK	1@1	23.24	22.68	25.98	23.79	0.2393
41	15	10	500202	2501.01	CP-OFDM QPSK	1@50	23.17	22.94	26.07	23.88	0.2442
41	15	10	518601	2501.01	DFT-s-OFDM PI/2 BPSK	25@12	27.33	25.57	29.55	27.36	0.5444
41	15	10	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@1	26.3	25.35	28.86	26.67	0.4646
41	15	10	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@50	26.46	25.36	28.96	26.77	0.4748
41	15	10	518601	2593.005	DFT-s-OFDM QPSK	25@12	27.39	25.36	29.50	27.31	0.5386
41	15	10	518601	2593.005	DFT-s-OFDM QPSK	1@1	26.35	25.14	28.80	26.61	0.4579
41	15	10	518601	2593.005	DFT-s-OFDM QPSK	1@50	26.41	25.37	28.93	26.74	0.4722
41	15	10	518601	2593.005	DFT-s-OFDM 16 QAM	25@12	24.5	22.87	26.77	24.58	0.2872
41	15	10	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	24.29	22.96	26.69	24.50	0.2816
41	15	10	518601	2593.005	DFT-s-OFDM 16 QAM	1@50	24.58	22.92	26.84	24.65	0.2917
41	15	10	518601	2593.005	DFT-s-OFDM 64 QAM	25@12	23.05	21.35	25.29	23.10	0.2043
41	15	10	518601	2593.005	DFT-s-OFDM 64 QAM	1@1	22.75	21.3	25.10	22.91	0.1952
41	15	10	518601	2593.005	DFT-s-OFDM 64 QAM	1@50	21.16	21.2	24.19	22.00	0.1585

41	15	10	518601	2593.005	DFT-s-OFDM 256 QAM	25@12	18.84	18.52	21.69	19.50	0.0892
41	15	10	518601	2593.005	DFT-s-OFDM 256 QAM	1@1	19.25	17.52	21.48	19.29	0.0849
41	15	10	518601	2593.005	DFT-s-OFDM 256 QAM	1@50	19.37	18.26	21.86	19.67	0.0927
41	15	10	518601	2593.005	CP-OFDM QPSK	26@13	22.07	22.39	25.24	23.05	0.2020
41	15	10	518601	2593.005	CP-OFDM QPSK	1@1	24.07	22.33	26.30	24.11	0.2574
41	15	10	518601	2593.005	CP-OFDM QPSK	1@50	23.87	22.2	26.13	23.94	0.2475
41	15	10	537000	2593.005	DFT-s-OFDM PI/2 BPSK	25@12	27.4	24.58	29.23	27.04	0.5053
41	15	10	537000	2685	DFT-s-OFDM PI/2 BPSK	1@1	26.46	24.42	28.57	26.38	0.4344
41	15	10	537000	2685	DFT-s-OFDM PI/2 BPSK	1@50	26.31	24.17	28.38	26.19	0.4160
41	15	10	537000	2685	DFT-s-OFDM QPSK	25@12	27.44	24.36	29.18	26.99	0.4998
41	15	10	537000	2685	DFT-s-OFDM QPSK	1@1	26.39	24.33	28.49	26.30	0.4267
41	15	10	537000	2685	DFT-s-OFDM QPSK	1@50	26.28	24.21	28.38	26.19	0.4157
41	15	10	537000	2685	DFT-s-OFDM 16 QAM	25@12	24.47	21.83	26.36	24.17	0.2611
41	15	10	537000	2685	DFT-s-OFDM 16 QAM	1@1	24.4	21.91	26.34	24.15	0.2601
41	15	10	537000	2685	DFT-s-OFDM 16 QAM	1@50	24.38	21.87	26.31	24.12	0.2585
41	15	10	537000	2685	DFT-s-OFDM 64 QAM	25@12	23	20.47	24.93	22.74	0.1878
41	15	10	537000	2685	DFT-s-OFDM 64 QAM	1@1	22.79	20.35	24.75	22.56	0.1803
41	15	10	537000	2685	DFT-s-OFDM 64 QAM	1@50	22.78	20.21	24.69	22.50	0.1779
41	15	10	537000	2685	DFT-s-OFDM 256 QAM	25@12	18.16	18.66	21.43	19.24	0.0839
41	15	10	537000	2685	DFT-s-OFDM 256 QAM	1@1	18.94	19.19	22.08	19.89	0.0974
41	15	10	537000	2685	DFT-s-OFDM 256 QAM	1@50	19.84	19.89	22.88	20.69	0.1171
41	15	10	537000	2685	CP-OFDM QPSK	26@13	21.97	22.64	25.33	23.14	0.2060
41	15	10	537000	2685	CP-OFDM QPSK	1@1	23.75	21.68	25.85	23.66	0.2321
41	15	10	537000	2685	CP-OFDM QPSK	1@50	23.82	21.56	25.85	23.66	0.2320
41	15	15	500700	2503.5	DFT-s-OFDM PI/2 BPSK	36@18	26.38	25.87	29.14	26.95	0.4958
41	15	15	500700	2503.5	DFT-s-OFDM PI/2 BPSK	1@1	25.41	25.66	28.55	26.36	0.4322
41	15	15	500700	2503.5	DFT-s-OFDM PI/2 BPSK	1@77	25.41	25.73	28.58	26.39	0.4358
41	15	15	500700	2503.5	DFT-s-OFDM QPSK	36@18	26.47	25.72	29.12	26.93	0.4933
41	15	15	500700	2503.5	DFT-s-OFDM QPSK	1@1	25.45	25.52	28.50	26.31	0.4271
41	15	15	500700	2503.5	DFT-s-OFDM QPSK	1@77	25.44	25.71	28.59	26.40	0.4363
41	15	15	500700	2503.5	DFT-s-OFDM 16 QAM	36@18	23.53	23.13	26.34	24.15	0.2603
41	15	15	500700	2503.5	DFT-s-OFDM 16 QAM	1@1	23.49	23.05	26.29	24.10	0.2568
41	15	15	500700	2503.5	DFT-s-OFDM 16 QAM	1@77	23.54	23.35	26.46	24.27	0.2671
41	15	15	500700	2503.5	DFT-s-OFDM 64 QAM	36@18	21.97	21.77	24.88	22.69	0.1858
41	15	15	500700	2503.5	DFT-s-OFDM 64 QAM	1@1	22.27	21.42	24.88	22.69	0.1856
41	15	15	500700	2503.5	DFT-s-OFDM 64 QAM	1@77	21.97	21.23	24.63	22.44	0.1752

41	15	15	500700	2503.5	DFT-s-OFDM 256 QAM	36@18	18.19	18	21.11	18.92	0.0779
41	15	15	500700	2503.5	DFT-s-OFDM 256 QAM	1@1	18.55	18.59	21.58	19.39	0.0869
41	15	15	500700	2503.5	DFT-s-OFDM 256 QAM	1@77	18.75	18.74	21.76	19.57	0.0905
41	15	15	500700	2503.5	CP-OFDM QPSK	39@19	22.1	22.94	25.55	23.36	0.2168
41	15	15	500700	2503.5	CP-OFDM QPSK	1@1	23.08	22.66	25.89	23.70	0.2342
41	15	15	500700	2503.5	CP-OFDM QPSK	1@77	22.89	22.83	25.87	23.68	0.2334
41	15	15	518601	2593.005	DFT-s-OFDM PI/2 BPSK	36@18	27.31	25.41	29.47	27.28	0.5350
41	15	15	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@1	26.26	25.08	28.72	26.53	0.4498
41	15	15	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@77	26.41	25.12	28.82	26.63	0.4606
41	15	15	518601	2593.005	DFT-s-OFDM QPSK	36@18	27.4	25.15	29.43	27.24	0.5296
41	15	15	518601	2593.005	DFT-s-OFDM QPSK	1@1	26.24	25.01	28.68	26.49	0.4455
41	15	15	518601	2593.005	DFT-s-OFDM QPSK	1@77	26.3	25.08	28.74	26.55	0.4522
41	15	15	518601	2593.005	DFT-s-OFDM 16 QAM	36@18	24.39	22.59	26.59	24.40	0.2756
41	15	15	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	24.3	22.64	26.56	24.37	0.2735
41	15	15	518601	2593.005	DFT-s-OFDM 16 QAM	1@77	24.35	22.76	26.64	24.45	0.2785
41	15	15	518601	2593.005	DFT-s-OFDM 64 QAM	36@18	22.8	21.11	25.05	22.86	0.1931
41	15	15	518601	2593.005	DFT-s-OFDM 64 QAM	1@1	22.79	21.17	25.07	22.88	0.1939
41	15	15	518601	2593.005	DFT-s-OFDM 64 QAM	1@77	22.78	21.19	25.07	22.88	0.1940
41	15	15	518601	2593.005	DFT-s-OFDM 256 QAM	36@18	19.56	17.93	21.83	19.64	0.0921
41	15	15	518601	2593.005	DFT-s-OFDM 256 QAM	1@1	19.7	18	21.94	19.75	0.0945
41	15	15	518601	2593.005	DFT-s-OFDM 256 QAM	1@77	19.89	18.27	22.17	19.98	0.0994
41	15	15	518601	2593.005	CP-OFDM QPSK	39@19	22.93	21.95	25.48	23.29	0.2132
41	15	15	518601	2593.005	CP-OFDM QPSK	1@1	23.78	21.97	25.98	23.79	0.2393
41	15	15	518601	2593.005	CP-OFDM QPSK	1@77	23.93	22.29	26.20	24.01	0.2516
41	15	15	536499	2682.495	DFT-s-OFDM PI/2 BPSK	36@18	27.41	24.33	29.15	26.96	0.4963
41	15	15	536499	2682.495	DFT-s-OFDM PI/2 BPSK	1@1	26.48	24.21	28.50	26.31	0.4278
41	15	15	536499	2682.495	DFT-s-OFDM PI/2 BPSK	1@77	26.26	24.01	28.29	26.10	0.4073
41	15	15	536499	2682.495	DFT-s-OFDM QPSK	36@18	26.38	25.18	28.83	26.64	0.4615
41	15	15	536499	2682.495	DFT-s-OFDM QPSK	1@1	26.45	24.2	28.48	26.29	0.4255
41	15	15	536499	2682.495	DFT-s-OFDM QPSK	1@77	26.17	24	28.23	26.04	0.4017
41	15	15	536499	2682.495	DFT-s-OFDM 16 QAM	36@18	24.28	21.74	26.20	24.01	0.2520
41	15	15	536499	2682.495	DFT-s-OFDM 16 QAM	1@1	24.24	21.87	26.23	24.04	0.2532
41	15	15	536499	2682.495	DFT-s-OFDM 16 QAM	1@77	24.35	21.67	26.22	24.03	0.2532
41	15	15	536499	2682.495	DFT-s-OFDM 64 QAM	36@18	22.84	20.25	24.75	22.56	0.1801
41	15	15	536499	2682.495	DFT-s-OFDM 64 QAM	1@1	22.67	20.57	24.76	22.57	0.1806
41	15	15	536499	2682.495	DFT-s-OFDM 64 QAM	1@77	22.66	20.29	24.65	22.46	0.1760

41	15	15	536499	2682.495	DFT-s-OFDM 256 QAM	36@18	19.51	17.01	21.45	19.26	0.0843
41	15	15	536499	2682.495	DFT-s-OFDM 256 QAM	1@1	18.89	17.19	21.13	18.94	0.0784
41	15	15	536499	2682.495	DFT-s-OFDM 256 QAM	1@77	18.92	18.55	21.75	19.56	0.0903
41	15	15	536499	2682.495	CP-OFDM QPSK	39@19	22.45	21.95	25.22	23.03	0.2008
41	15	15	536499	2682.495	CP-OFDM QPSK	1@1	23.72	21.37	25.71	23.52	0.2250
41	15	15	536499	2682.495	CP-OFDM QPSK	1@77	23.83	21.05	25.67	23.48	0.2228
41	15	20	501201	2506.005	DFT-s-OFDM PI/2 BPSK	50@25	26.36	25.68	29.04	26.85	0.4846
41	15	20	501201	2506.005	DFT-s-OFDM PI/2 BPSK	1@1	25.39	25.55	28.48	26.29	0.4257
41	15	20	501201	2506.005	DFT-s-OFDM PI/2 BPSK	1@104	25.35	25.63	28.50	26.31	0.4278
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	50@25	26.46	25.56	29.04	26.85	0.4846
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	1@1	25.36	25.43	28.41	26.22	0.4184
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	1@104	25.32	25.59	28.47	26.28	0.4244
41	15	20	501201	2506.005	DFT-s-OFDM 16 QAM	50@25	23.39	23.09	26.25	24.06	0.2549
41	15	20	501201	2506.005	DFT-s-OFDM 16 QAM	1@1	23.44	22.92	26.20	24.01	0.2517
41	15	20	501201	2506.005	DFT-s-OFDM 16 QAM	1@104	23.36	23.36	26.37	24.18	0.2618
41	15	20	501201	2506.005	DFT-s-OFDM 64 QAM	50@25	21.91	21.58	24.76	22.57	0.1807
41	15	20	501201	2506.005	DFT-s-OFDM 64 QAM	1@1	21.94	21.5	24.74	22.55	0.1797
41	15	20	501201	2506.005	DFT-s-OFDM 64 QAM	1@104	21.56	21.91	24.75	22.56	0.1803
41	15	20	501201	2506.005	DFT-s-OFDM 256 QAM	50@25	18.45	18.73	21.60	19.41	0.0873
41	15	20	501201	2506.005	DFT-s-OFDM 256 QAM	1@1	18.84	17.93	21.42	19.23	0.0837
41	15	20	501201	2506.005	DFT-s-OFDM 256 QAM	1@104	18.71	18.71	21.72	19.53	0.0897
41	15	20	501201	2506.005	CP-OFDM QPSK	53@26	22.87	22.74	25.82	23.63	0.2305
41	15	20	501201	2506.005	CP-OFDM QPSK	1@1	23.06	22.63	25.86	23.67	0.2328
41	15	20	501201	2506.005	CP-OFDM QPSK	1@104	22.95	22.66	25.82	23.63	0.2306
41	15	20	518601	2593.005	DFT-s-OFDM PI/2 BPSK	50@25	27.36	25.24	29.44	27.25	0.5307
41	15	20	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@1	26.25	25	28.68	26.49	0.4457
41	15	20	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@104	26.5	25.08	28.86	26.67	0.4643
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	50@25	27.37	25.08	29.38	27.19	0.5241
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	1@1	26.07	24.82	28.50	26.31	0.4276
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	1@104	26.49	25.12	28.87	26.68	0.4655
41	15	20	518601	2593.005	DFT-s-OFDM 16 QAM	50@25	24.21	22.51	26.45	24.26	0.2669
41	15	20	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	24.1	22.49	26.38	24.19	0.2624
41	15	20	518601	2593.005	DFT-s-OFDM 16 QAM	1@104	24.25	22.68	26.55	24.36	0.2726
41	15	20	518601	2593.005	DFT-s-OFDM 64 QAM	50@25	22.69	20.99	24.93	22.74	0.1881
41	15	20	518601	2593.005	DFT-s-OFDM 64 QAM	1@1	22.32	21.02	24.73	22.54	0.1794
41	15	20	518601	2593.005	DFT-s-OFDM 64 QAM	1@104	21.21	21.25	24.24	22.05	0.1603

41	15	20	518601	2593.005	DFT-s-OFDM 256 QAM	50@25	19.48	17.81	21.74	19.55	0.0901
41	15	20	518601	2593.005	DFT-s-OFDM 256 QAM	1@1	19.56	18.08	21.89	19.70	0.0934
41	15	20	518601	2593.005	DFT-s-OFDM 256 QAM	1@104	19.71	18.13	22.00	19.81	0.0958
41	15	20	518601	2593.005	CP-OFDM QPSK	53@26	22.9	22.23	25.59	23.40	0.2187
41	15	20	518601	2593.005	CP-OFDM QPSK	1@1	23.82	22.17	26.08	23.89	0.2451
41	15	20	518601	2593.005	CP-OFDM QPSK	1@104	23.91	22.05	26.09	23.90	0.2454
41	15	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	50@25	27.32	24.42	29.12	26.93	0.4929
41	15	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	1@1	26.5	24.28	28.54	26.35	0.4316
41	15	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	1@104	26.29	24.05	28.32	26.13	0.4105
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	50@25	27.39	24.19	29.09	26.90	0.4896
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	1@1	26.49	24.31	28.55	26.36	0.4321
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	1@104	26.19	23.92	28.21	26.02	0.4001
41	15	20	535998	2679.99	DFT-s-OFDM 16 QAM	50@25	24.16	21.72	26.12	23.93	0.2471
41	15	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@1	24.24	21.96	26.26	24.07	0.2552
41	15	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@104	24.35	21.54	26.18	23.99	0.2505
41	15	20	535998	2679.99	DFT-s-OFDM 64 QAM	50@25	22.74	20.3	24.70	22.51	0.1782
41	15	20	535998	2679.99	DFT-s-OFDM 64 QAM	1@1	22.61	20.19	24.58	22.39	0.1732
41	15	20	535998	2679.99	DFT-s-OFDM 64 QAM	1@104	22.86	20	24.67	22.48	0.1771
41	15	20	535998	2679.99	DFT-s-OFDM 256 QAM	50@25	19.37	18.79	22.10	19.91	0.0979
41	15	20	535998	2679.99	DFT-s-OFDM 256 QAM	1@1	19.48	18.78	22.15	19.96	0.0992
41	15	20	535998	2679.99	DFT-s-OFDM 256 QAM	1@104	19.07	18.47	21.79	19.60	0.0912
41	15	20	535998	2679.99	CP-OFDM QPSK	53@26	22.76	22.36	25.57	23.38	0.2180
41	15	20	535998	2679.99	CP-OFDM QPSK	1@1	23.72	21.47	25.75	23.56	0.2270
41	15	20	535998	2679.99	CP-OFDM QPSK	1@104	22.25	22.77	25.53	23.34	0.2157
41	15	30	502200	2511	DFT-s-OFDM PI/2 BPSK	80@40	25.26	24.05	27.71	25.52	0.3562
41	15	30	502200	2511	DFT-s-OFDM PI/2 BPSK	1@1	25.16	23.54	27.44	25.25	0.3346
41	15	30	502200	2511	DFT-s-OFDM PI/2 BPSK	1@158	25.03	24.09	27.60	25.41	0.3472
41	15	30	502200	2511	DFT-s-OFDM QPSK	80@40	25.13	23.79	27.52	25.33	0.3413
41	15	30	502200	2511	DFT-s-OFDM QPSK	1@1	24.98	23.42	27.28	25.09	0.3228
41	15	30	502200	2511	DFT-s-OFDM QPSK	1@158	24.88	24.16	27.55	25.36	0.3432
41	15	30	502200	2511	DFT-s-OFDM 16 QAM	80@40	22.6	21.32	25.02	22.83	0.1917
41	15	30	502200	2511	DFT-s-OFDM 16 QAM	1@1	22.4	20.86	24.71	22.52	0.1786
41	15	30	502200	2511	DFT-s-OFDM 16 QAM	1@158	22.3	21.34	24.86	22.67	0.1848
41	15	30	502200	2511	DFT-s-OFDM 64 QAM	80@40	20.97	19.8	23.43	21.24	0.1332
41	15	30	502200	2511	DFT-s-OFDM 64 QAM	1@1	21.2	19.41	23.41	21.22	0.1323
41	15	30	502200	2511	DFT-s-OFDM 64 QAM	1@158	20.88	20	23.47	21.28	0.1344

41	15	30	502200	2511	DFT-s-OFDM 256 QAM	80@40	17.98	18.59	21.31	19.12	0.0816
41	15	30	502200	2511	DFT-s-OFDM 256 QAM	1@1	17.73	18.68	21.24	19.05	0.0804
41	15	30	502200	2511	DFT-s-OFDM 256 QAM	1@158	17.26	18.56	20.97	18.78	0.0755
41	15	30	502200	2511	CP-OFDM QPSK	80@40	22.46	22.53	25.51	23.32	0.2146
41	15	30	502200	2511	CP-OFDM QPSK	1@1	22.08	22.44	25.27	23.08	0.2034
41	15	30	502200	2511	CP-OFDM QPSK	1@158	22.03	21.05	24.58	22.39	0.1733
41	15	30	518601	2511	DFT-s-OFDM PI/2 BPSK	80@40	25.38	24.49	27.97	25.78	0.3783
41	15	30	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@1	25.24	24.48	27.89	25.70	0.3713
41	15	30	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@158	25.04	24.25	27.67	25.48	0.3534
41	15	30	518601	2593.005	DFT-s-OFDM QPSK	80@40	25.16	24.31	27.77	25.58	0.3611
41	15	30	518601	2593.005	DFT-s-OFDM QPSK	1@1	25.11	24.38	27.77	25.58	0.3615
41	15	30	518601	2593.005	DFT-s-OFDM QPSK	1@158	25.09	24.2	27.68	25.49	0.3538
41	15	30	518601	2593.005	DFT-s-OFDM 16 QAM	80@40	22.52	21.84	25.20	23.01	0.2002
41	15	30	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	22.55	21.77	25.19	23.00	0.1994
41	15	30	518601	2593.005	DFT-s-OFDM 16 QAM	1@158	22.48	21.59	25.07	22.88	0.1940
41	15	30	518601	2593.005	DFT-s-OFDM 64 QAM	80@40	21.05	20.34	23.72	21.53	0.1422
41	15	30	518601	2593.005	DFT-s-OFDM 64 QAM	1@1	21.05	20.37	23.73	21.54	0.1427
41	15	30	518601	2593.005	DFT-s-OFDM 64 QAM	1@158	21.09	20.3	23.72	21.53	0.1423
41	15	30	518601	2593.005	DFT-s-OFDM 256 QAM	80@40	18.09	18.52	21.32	19.13	0.0819
41	15	30	518601	2593.005	DFT-s-OFDM 256 QAM	1@1	17.81	18.65	21.26	19.07	0.0807
41	15	30	518601	2593.005	DFT-s-OFDM 256 QAM	1@158	17.82	18.34	21.10	18.91	0.0778
41	15	30	518601	2593.005	CP-OFDM QPSK	80@40	22.45	22.47	25.47	23.28	0.2128
41	15	30	518601	2593.005	CP-OFDM QPSK	1@1	22.29	21.51	24.93	22.74	0.1878
41	15	30	518601	2593.005	CP-OFDM QPSK	1@158	22.19	22.27	25.24	23.05	0.2019
41	15	30	534999	2674.995	DFT-s-OFDM PI/2 BPSK	80@40	25.53	24.77	28.18	25.99	0.3969
41	15	30	534999	2674.995	DFT-s-OFDM PI/2 BPSK	1@1	25.14	24.49	27.84	25.65	0.3671
41	15	30	534999	2674.995	DFT-s-OFDM PI/2 BPSK	1@158	25.44	23.93	27.76	25.57	0.3606
41	15	30	534999	2674.995	DFT-s-OFDM QPSK	80@40	25.42	24.62	28.05	25.86	0.3854
41	15	30	534999	2674.995	DFT-s-OFDM QPSK	1@1	25.09	24.42	27.78	25.59	0.3621
41	15	30	534999	2674.995	DFT-s-OFDM QPSK	1@158	25.42	23.96	27.76	25.57	0.3607
41	15	30	534999	2674.995	DFT-s-OFDM 16 QAM	80@40	22.89	22.05	25.50	23.31	0.2143
41	15	30	534999	2674.995	DFT-s-OFDM 16 QAM	1@1	22.53	22.59	25.57	23.38	0.2178
41	15	30	534999	2674.995	DFT-s-OFDM 16 QAM	1@158	22.83	21.46	25.21	23.02	0.2004
41	15	30	534999	2674.995	DFT-s-OFDM 64 QAM	80@40	21.38	20.64	24.04	21.85	0.1530
41	15	30	534999	2674.995	DFT-s-OFDM 64 QAM	1@1	20.95	20.67	23.82	21.63	0.1456
41	15	30	534999	2674.995	DFT-s-OFDM 64 QAM	1@158	21.53	20.21	23.93	21.74	0.1493

41	15	30	534999	2674.995	DFT-s-OFDM 256 QAM	80@40	21.61	20.86	24.26	22.07	0.1611
41	15	30	534999	2674.995	DFT-s-OFDM 256 QAM	1@1	17.63	17.35	20.50	18.31	0.0678
41	15	30	534999	2674.995	DFT-s-OFDM 256 QAM	1@158	17.94	18.77	21.39	19.20	0.0831
41	15	30	534999	2674.995	CP-OFDM QPSK	80@40	22.27	22.49	25.39	23.20	0.2090
41	15	30	534999	2674.995	CP-OFDM QPSK	1@1	22.47	21.71	25.12	22.93	0.1962
41	15	30	534999	2674.995	CP-OFDM QPSK	1@158	22.55	21.2	24.94	22.75	0.1883
41	15	40	503202	2516.01	DFT-s-OFDM PI/2 BPSK	108@54	25.09	23.79	27.50	25.31	0.3395
41	15	40	503202	2516.01	DFT-s-OFDM PI/2 BPSK	1@1	25.05	23.16	27.22	25.03	0.3182
41	15	40	503202	2516.01	DFT-s-OFDM PI/2 BPSK	1@214	24.9	24.13	27.54	25.35	0.3430
41	15	40	503202	2516.01	DFT-s-OFDM QPSK	108@54	25.06	23.69	27.44	25.25	0.3349
41	15	40	503202	2516.01	DFT-s-OFDM QPSK	1@1	24.98	23.21	27.19	25.00	0.3166
41	15	40	503202	2516.01	DFT-s-OFDM QPSK	1@214	24.85	24.07	27.49	25.30	0.3387
41	15	40	503202	2516.01	DFT-s-OFDM 16 QAM	108@54	22.49	21.2	24.90	22.71	0.1868
41	15	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@1	22.45	21.03	24.81	22.62	0.1827
41	15	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@214	22.18	21.49	24.86	22.67	0.1849
41	15	40	503202	2516.01	DFT-s-OFDM 64 QAM	108@54	21.05	19.64	23.41	21.22	0.1325
41	15	40	503202	2516.01	DFT-s-OFDM 64 QAM	1@1	21.1	19.26	23.29	21.10	0.1287
41	15	40	503202	2516.01	DFT-s-OFDM 64 QAM	1@214	20.88	20.33	23.62	21.43	0.1391
41	15	40	503202	2516.01	DFT-s-OFDM 256 QAM	108@54	21.09	19.73	23.47	21.28	0.1344
41	15	40	503202	2516.01	DFT-s-OFDM 256 QAM	1@1	17.57	18.35	20.99	18.80	0.0758
41	15	40	503202	2516.01	DFT-s-OFDM 256 QAM	1@214	17.66	18.68	21.21	19.02	0.0798
41	15	40	503202	2516.01	CP-OFDM QPSK	108@54	22.46	22.35	25.42	23.23	0.2102
41	15	40	503202	2516.01	CP-OFDM QPSK	1@1	22.14	22.27	25.22	23.03	0.2007
41	15	40	503202	2516.01	CP-OFDM QPSK	1@214	22.85	22.45	25.66	23.47	0.2226
41	15	40	518601	2593.005	DFT-s-OFDM PI/2 BPSK	108@54	25.32	24.32	27.86	25.67	0.3689
41	15	40	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@1	25.19	24.42	27.83	25.64	0.3666
41	15	40	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@214	25.39	24.19	27.84	25.65	0.3674
41	15	40	518601	2593.005	DFT-s-OFDM QPSK	108@54	25.22	24.12	27.72	25.53	0.3569
41	15	40	518601	2593.005	DFT-s-OFDM QPSK	1@1	25.1	24.32	27.74	25.55	0.3587
41	15	40	518601	2593.005	DFT-s-OFDM QPSK	1@214	25.22	25.17	28.21	26.02	0.3995
41	15	40	518601	2593.005	DFT-s-OFDM 16 QAM	108@54	22.71	21.61	25.21	23.02	0.2002
41	15	40	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	22.98	21.97	25.51	23.32	0.2150
41	15	40	518601	2593.005	DFT-s-OFDM 16 QAM	1@214	23.2	21.61	25.49	23.30	0.2137
41	15	40	518601	2593.005	DFT-s-OFDM 64 QAM	108@54	21.2	20.25	23.76	21.57	0.1436
41	15	40	518601	2593.005	DFT-s-OFDM 64 QAM	1@1	20.97	20.54	23.77	21.58	0.1439
41	15	40	518601	2593.005	DFT-s-OFDM 64 QAM	1@214	21.13	20.16	23.68	21.49	0.1410

41	15	40	518601	2593.005	DFT-s-OFDM 256 QAM	108@54	17.8	18.76	21.32	19.13	0.0818
41	15	40	518601	2593.005	DFT-s-OFDM 256 QAM	1@1	17.6	18.76	21.23	19.04	0.0801
41	15	40	518601	2593.005	DFT-s-OFDM 256 QAM	1@214	17.45	18.66	21.11	18.92	0.0779
41	15	40	518601	2593.005	CP-OFDM QPSK	108@54	22.43	22.42	25.44	23.25	0.2111
41	15	40	518601	2593.005	CP-OFDM QPSK	1@1	22.25	21.52	24.91	22.72	0.1871
41	15	40	518601	2593.005	CP-OFDM QPSK	1@214	22.34	21.13	24.79	22.60	0.1819
41	15	40	534000	2670	DFT-s-OFDM PI/2 BPSK	108@54	25.7	24.85	28.31	26.12	0.4089
41	15	40	534000	2670	DFT-s-OFDM PI/2 BPSK	1@1	25.14	24.53	27.86	25.67	0.3686
41	15	40	534000	2670	DFT-s-OFDM PI/2 BPSK	1@214	25.4	23.92	27.73	25.54	0.3583
41	15	40	534000	2670	DFT-s-OFDM QPSK	108@54	25.51	24.69	28.13	25.94	0.3926
41	15	40	534000	2670	DFT-s-OFDM QPSK	1@1	25.04	24.5	27.79	25.60	0.3630
41	15	40	534000	2670	DFT-s-OFDM QPSK	1@214	25.32	23.94	27.69	25.50	0.3552
41	15	40	534000	2670	DFT-s-OFDM 16 QAM	108@54	22.99	22.22	25.63	23.44	0.2209
41	15	40	534000	2670	DFT-s-OFDM 16 QAM	1@1	22.48	22	25.26	23.07	0.2026
41	15	40	534000	2670	DFT-s-OFDM 16 QAM	1@214	23.44	21.82	25.72	23.53	0.2252
41	15	40	534000	2670	DFT-s-OFDM 64 QAM	108@54	21.59	20.72	24.19	22.00	0.1584
41	15	40	534000	2670	DFT-s-OFDM 64 QAM	1@1	21.12	20.43	23.80	21.61	0.1448
41	15	40	534000	2670	DFT-s-OFDM 64 QAM	1@214	21.91	20.1	24.11	21.92	0.1556
41	15	40	534000	2670	DFT-s-OFDM 256 QAM	108@54	18.22	17.42	20.85	18.66	0.0734
41	15	40	534000	2670	DFT-s-OFDM 256 QAM	1@1	17.77	17.07	20.44	18.25	0.0669
41	15	40	534000	2670	DFT-s-OFDM 256 QAM	1@214	18.36	18.65	21.52	19.33	0.0857
41	15	40	534000	2670	CP-OFDM QPSK	108@54	22.33	22.32	25.34	23.15	0.2063
41	15	40	534000	2670	CP-OFDM QPSK	1@1	22.33	21.64	25.01	22.82	0.1914
41	15	40	534000	2670	CP-OFDM QPSK	1@214	22.83	20.97	25.01	22.82	0.1914
41	15	50	504201	2521.005	DFT-s-OFDM PI/2 BPSK	135@67	25.1	23.81	27.51	25.32	0.3406
41	15	50	504201	2521.005	DFT-s-OFDM PI/2 BPSK	1@1	25.08	23	27.17	24.98	0.3150
41	15	50	504201	2521.005	DFT-s-OFDM PI/2 BPSK	1@268	24.98	24.33	27.68	25.49	0.3538
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	135@67	24.94	23.71	27.38	25.19	0.3303
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	1@1	24.87	25.87	28.41	26.22	0.4187
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	1@268	24.87	24.21	27.56	25.37	0.3446
41	15	50	504201	2521.005	DFT-s-OFDM 16 QAM	135@67	22.5	21.19	24.90	22.71	0.1868
41	15	50	504201	2521.005	DFT-s-OFDM 16 QAM	1@1	22.39	20.4	24.52	22.33	0.1709
41	15	50	504201	2521.005	DFT-s-OFDM 16 QAM	1@268	22.45	21.71	25.11	22.92	0.1957
41	15	50	504201	2521.005	DFT-s-OFDM 64 QAM	135@67	21.03	19.66	23.41	21.22	0.1324
41	15	50	504201	2521.005	DFT-s-OFDM 64 QAM	1@1	21.01	18.97	23.12	20.93	0.1239
41	15	50	504201	2521.005	DFT-s-OFDM 64 QAM	1@268	20.91	20.49	23.72	21.53	0.1421

41	15	50	504201	2521.005	DFT-s-OFDM 256 QAM	135@67	17.63	18.37	21.03	18.84	0.0765
41	15	50	504201	2521.005	DFT-s-OFDM 256 QAM	1@1	17.69	18.53	21.14	18.95	0.0785
41	15	50	504201	2521.005	DFT-s-OFDM 256 QAM	1@268	17.69	17.12	20.42	18.23	0.0666
41	15	50	504201	2521.005	CP-OFDM QPSK	135@67	22.3	22.06	25.19	23.00	0.1996
41	15	50	504201	2521.005	CP-OFDM QPSK	1@1	22.14	22.23	25.20	23.01	0.1998
41	15	50	504201	2521.005	CP-OFDM QPSK	1@268	22.94	22.49	25.73	23.54	0.2260
41	15	50	518601	2593.005	DFT-s-OFDM PI/2 BPSK	135@67	25.56	24.63	28.13	25.94	0.3927
41	15	50	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@1	25.3	24.73	28.03	25.84	0.3841
41	15	50	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@268	25.36	24.47	27.95	25.76	0.3765
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	135@67	25.35	24.47	27.94	25.75	0.3761
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	1@1	25.31	24.64	28.00	25.81	0.3809
41	15	50	518601	2593.005	DFT-s-OFDM QPSK	1@268	25.22	24.45	27.86	25.67	0.3692
41	15	50	518601	2593.005	DFT-s-OFDM 16 QAM	135@67	22.76	21.94	25.38	23.19	0.2084
41	15	50	518601	2593.005	DFT-s-OFDM 16 QAM	1@1	22.68	22.09	25.41	23.22	0.2097
41	15	50	518601	2593.005	DFT-s-OFDM 16 QAM	1@268	22.78	21.83	25.34	23.15	0.2066
41	15	50	518601	2593.005	DFT-s-OFDM 64 QAM	135@67	21.2	20.37	23.82	21.63	0.1454
41	15	50	518601	2593.005	DFT-s-OFDM 64 QAM	1@1	21.58	20.72	24.18	21.99	0.1582
41	15	50	518601	2593.005	DFT-s-OFDM 64 QAM	1@268	21.54	20.66	24.13	21.94	0.1564
41	15	50	518601	2593.005	DFT-s-OFDM 256 QAM	135@67	21.38	20.55	24.00	21.81	0.1515
41	15	50	518601	2593.005	DFT-s-OFDM 256 QAM	1@1	17.53	18.83	21.24	19.05	0.0803
41	15	50	518601	2593.005	DFT-s-OFDM 256 QAM	1@268	17.49	16.98	20.25	18.06	0.0640
41	15	50	518601	2593.005	CP-OFDM QPSK	135@67	22.26	22.31	25.30	23.11	0.2044
41	15	50	518601	2593.005	CP-OFDM QPSK	1@1	22.31	21.72	25.04	22.85	0.1925
41	15	50	518601	2593.005	CP-OFDM QPSK	1@268	22.28	21.49	24.91	22.72	0.1872
41	15	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	135@67	25.57	25.1	28.35	26.16	0.4132
41	15	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	1@1	25.14	24.39	27.79	25.60	0.3632
41	15	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	1@268	25.63	24.18	27.98	25.79	0.3789
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	135@67	25.42	24.86	28.16	25.97	0.3953
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	1@1	25.08	24.45	27.79	25.60	0.3628
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	1@268	25.6	24.07	27.91	25.72	0.3735
41	15	50	532998	2664.99	DFT-s-OFDM 16 QAM	135@67	22.9	22.47	25.70	23.51	0.2244
41	15	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@1	22.45	21.82	25.16	22.97	0.1980
41	15	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@268	22.99	21.71	25.41	23.22	0.2098
41	15	50	532998	2664.99	DFT-s-OFDM 64 QAM	135@67	21.46	20.93	24.21	22.02	0.1593
41	15	50	532998	2664.99	DFT-s-OFDM 64 QAM	1@1	21.12	20.47	23.82	21.63	0.1455
41	15	50	532998	2664.99	DFT-s-OFDM 64 QAM	1@268	21.82	20.42	24.19	22.00	0.1584

41	15	50	532998	2664.99	DFT-s-OFDM 256 QAM	135@67	18.41	18	21.22	19.03	0.0800
41	15	50	532998	2664.99	DFT-s-OFDM 256 QAM	1@1	17.86	17.03	20.48	18.29	0.0674
41	15	50	532998	2664.99	DFT-s-OFDM 256 QAM	1@268	18.46	18.44	21.46	19.27	0.0845
41	15	50	532998	2664.99	CP-OFDM QPSK	135@67	22.3	22.36	25.34	23.15	0.2066
41	15	50	532998	2664.99	CP-OFDM QPSK	1@1	22.23	21.56	24.92	22.73	0.1874
41	15	50	532998	2664.99	CP-OFDM QPSK	1@268	22.77	21.17	25.05	22.86	0.1934

# FR1 N41 MIMO- SCS 15KHz (ANT5)

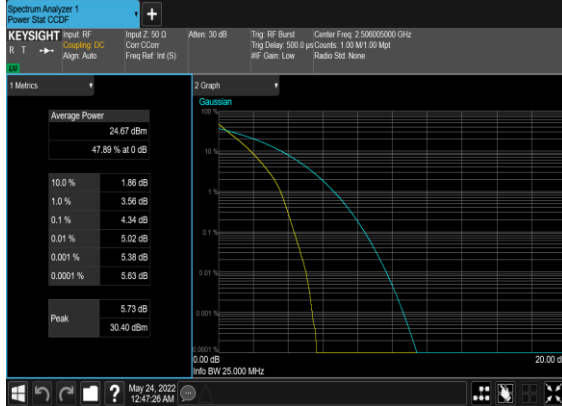
## Frequency Stability

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	0.00528	PASS	NV
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00544	PASS	LV
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00508	PASS	HV
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00551	PASS	-30°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.002	PASS	-20°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00585	PASS	-10°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00613	PASS	0°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00374	PASS	10°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00562	PASS	20°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00443	PASS	30°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.0031	PASS	40°C
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	0.00324	PASS	50°C

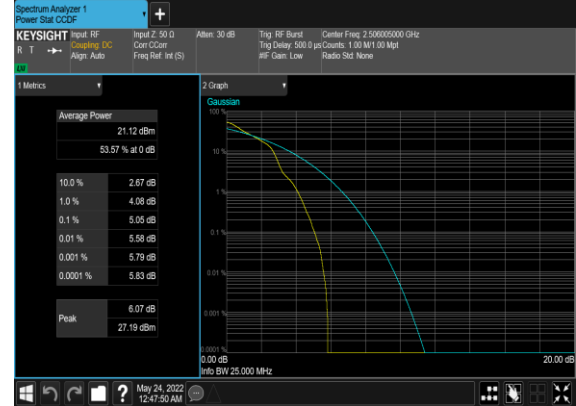
## Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arcfn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	15	20	501201	2506.005	DFT-s-OFDM PI/2 BPSK	100@0	4.34	13	PASS
41	15	20	501201	2506.005	DFT-s-OFDM PI/2 BPSK	1@0	5.05	13	PASS
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	100@0	5.62	13	PASS
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	1@0	6.72	13	PASS
41	15	20	518601	2593.005	DFT-s-OFDM PI/2 BPSK	100@0	4.38	13	PASS
41	15	20	518601	2593.005	DFT-s-OFDM PI/2 BPSK	1@0	4.95	13	PASS
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	100@0	5.65	13	PASS
41	15	20	518601	2593.005	DFT-s-OFDM QPSK	1@0	7.12	13	PASS
41	15	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	100@0	4.28	13	PASS
41	15	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	1@0	4.53	13	PASS
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	100@0	5.61	13	PASS
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	6.44	13	PASS

N41(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Low\_CH



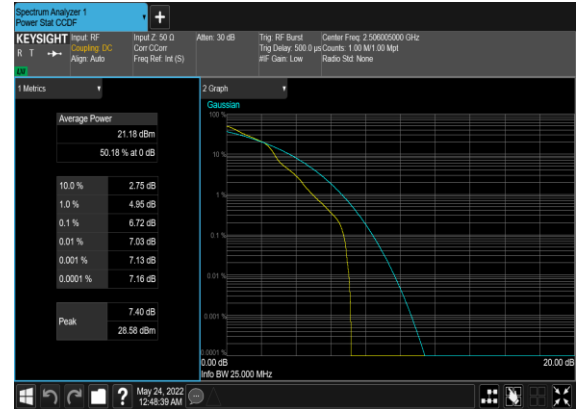
N41(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Low\_CH



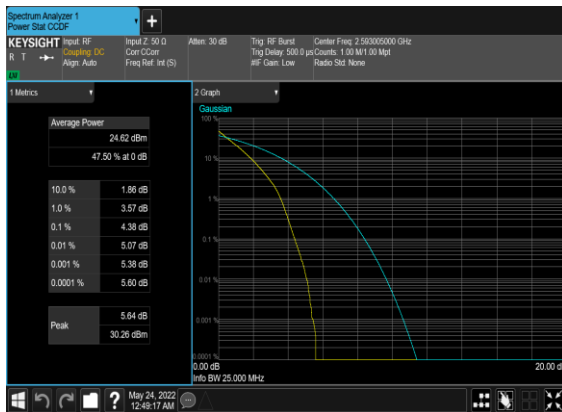
N41(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



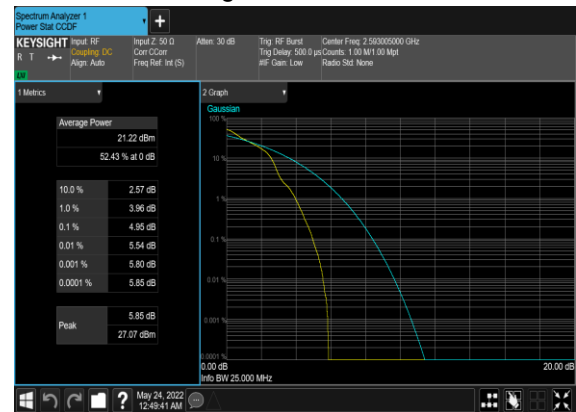
N41(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



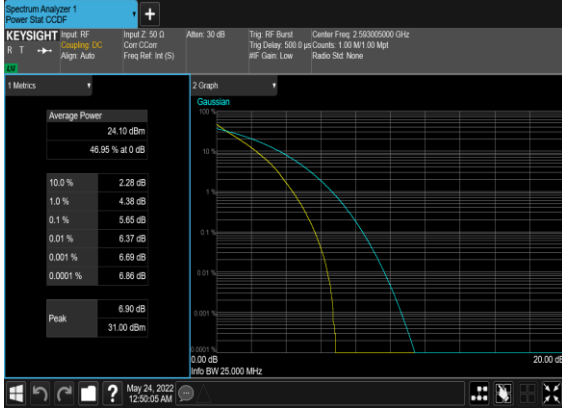
N41(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



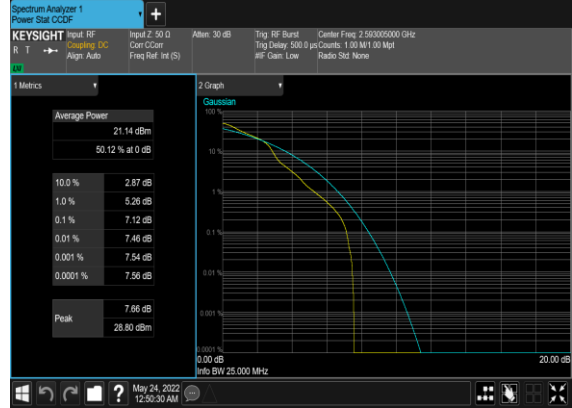
N41(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Mid\_CH



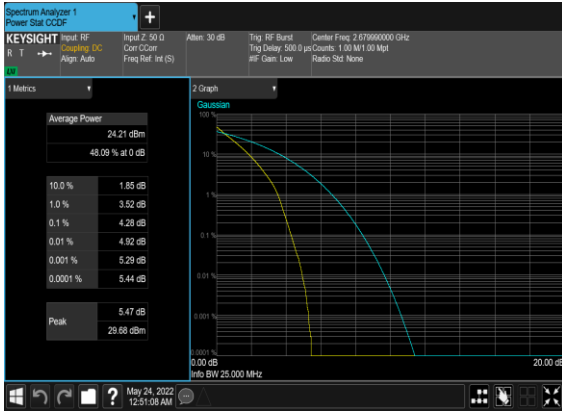
N41(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



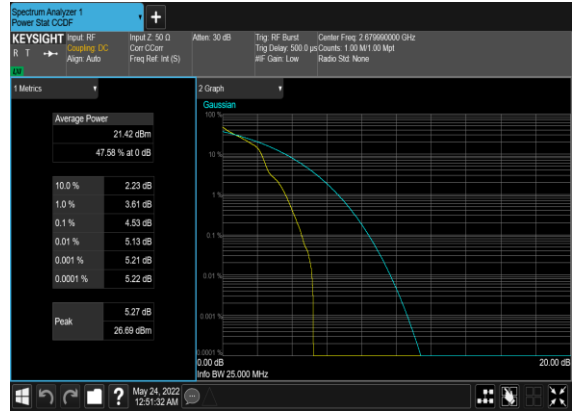
N41(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



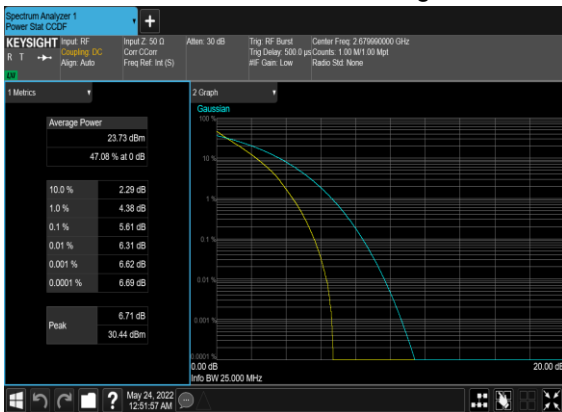
N41(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_High\_CH



N41(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Edge\_1RB\_Left\_High\_CH



N41(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH



N41(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

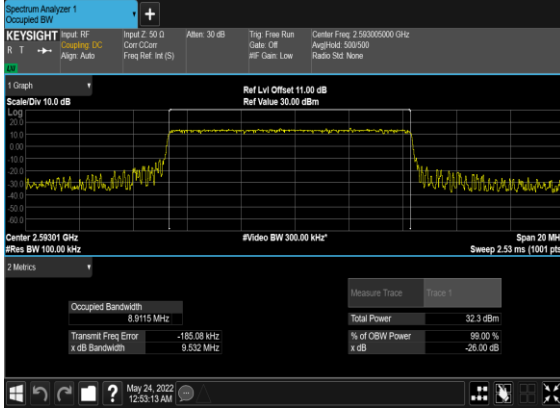


## Occupied Bandwidth

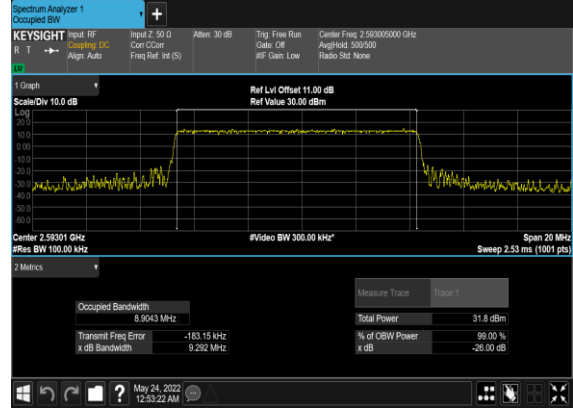
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
41	15	10	518601	2593.01	DFT-s-OFDM PI/2 BPSK	50@0	8.9115	9.532
41	15	10	518601	2593.01	DFT-s-OFDM QPSK	50@0	8.9043	9.292
41	15	10	518601	2593.01	CP-OFDM QPSK	52@0	9.2723	9.766
41	15	10	518601	2593.01	CP-OFDM 16 QAM	52@0	9.282	9.867
41	15	10	518601	2593.01	CP-OFDM 64 QAM	52@0	9.2835	9.71
41	15	10	518601	2593.01	CP-OFDM 256 QAM	52@0	9.2974	10.1
41	15	15	518601	2593.01	DFT-s-OFDM PI/2 BPSK	75@0	13.377	13.92
41	15	15	518601	2593.01	DFT-s-OFDM QPSK	75@0	13.37	14.09
41	15	15	518601	2593.01	CP-OFDM QPSK	79@0	14.079	14.87
41	15	15	518601	2593.01	CP-OFDM 16 QAM	79@0	14.059	14.75
41	15	15	518601	2593.01	CP-OFDM 64 QAM	79@0	14.12	14.87
41	15	15	518601	2593.01	CP-OFDM 256 QAM	79@0	14.089	14.68
41	15	20	518601	2593.01	DFT-s-OFDM PI/2 BPSK	100@0	17.863	18.52
41	15	20	518601	2593.01	DFT-s-OFDM QPSK	100@0	17.863	18.48
41	15	20	518601	2593.01	CP-OFDM QPSK	106@0	18.904	19.93
41	15	20	518601	2593.01	CP-OFDM 16 QAM	106@0	18.889	19.61
41	15	20	518601	2593.01	CP-OFDM 64 QAM	106@0	18.917	19.73
41	15	20	518601	2593.01	CP-OFDM 256 QAM	106@0	18.93	19.83
41	15	30	518601	2593.01	DFT-s-OFDM PI/2 BPSK	160@0	28.6	29.85
41	15	30	518601	2593.01	DFT-s-OFDM QPSK	160@0	28.592	29.66
41	15	30	518601	2593.01	CP-OFDM QPSK	160@0	28.569	29.7
41	15	30	518601	2593.01	CP-OFDM 16 QAM	160@0	28.586	29.66
41	15	30	518601	2593.01	CP-OFDM 64 QAM	160@0	28.506	29.58
41	15	30	518601	2593.01	CP-OFDM 256 QAM	160@0	28.498	29.96
41	15	40	518601	2593.01	DFT-s-OFDM PI/2 BPSK	216@0	38.551	39.86

41	15	40	518601	2593.01	DFT-s-OFDM QPSK	216@0	38.512	39.94
41	15	40	518601	2593.01	CP-OFDM QPSK	216@0	38.543	39.94
41	15	40	518601	2593.01	CP-OFDM 16 QAM	216@0	38.551	39.98
41	15	40	518601	2593.01	CP-OFDM 64 QAM	216@0	38.512	39.96
41	15	40	518601	2593.01	CP-OFDM 256 QAM	216@0	48.592	39.87
41	15	50	518601	2593.01	DFT-s-OFDM PI/2 BPSK	270@0	48.111	49.85
41	15	50	518601	2593.01	DFT-s-OFDM QPSK	270@0	48.198	49.98
41	15	50	518601	2593.01	CP-OFDM QPSK	270@0	48.097	49.7
41	15	50	518601	2593.01	CP-OFDM 16 QAM	270@0	48.144	49.82
41	15	50	518601	2593.01	CP-OFDM 64 QAM	270@0	48.166	50.23
41	15	50	518601	2593.01	CP-OFDM 256 QAM	270@0	48.189	49.73

N41(10M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



N41(10M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



N41(10M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



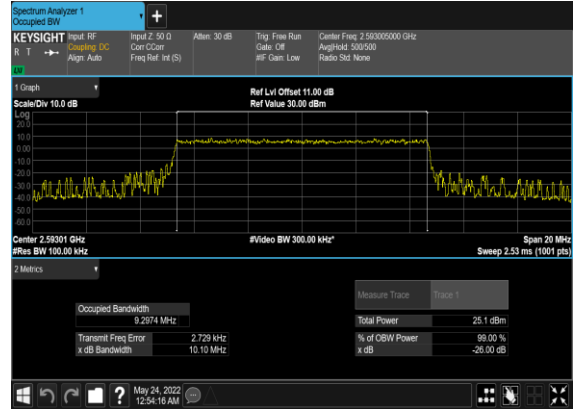
N41(10M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



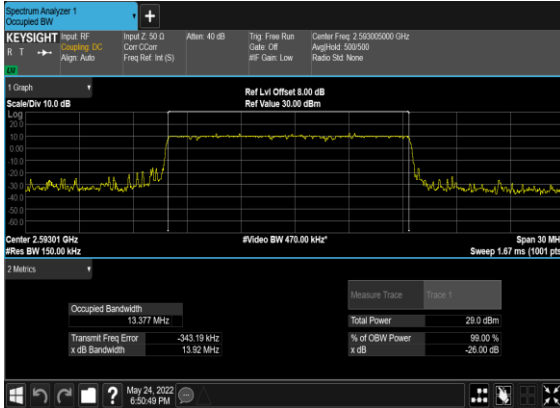
N41(10M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



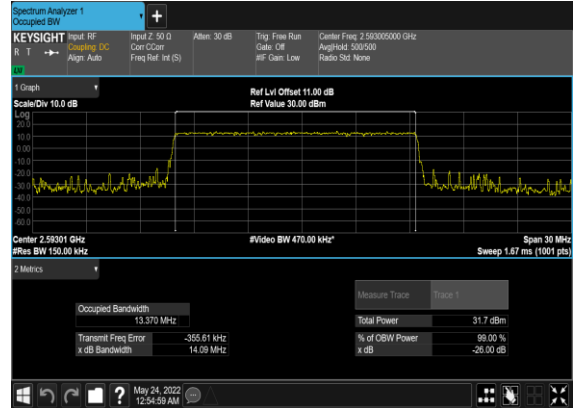
N41(10M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



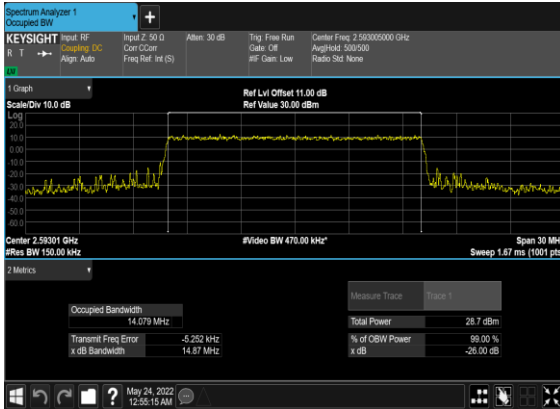
N41(15M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



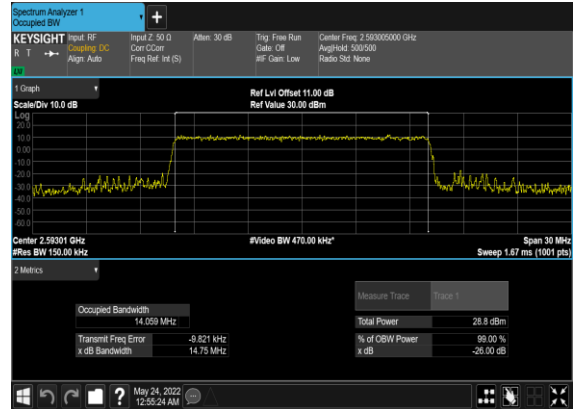
N41(15M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



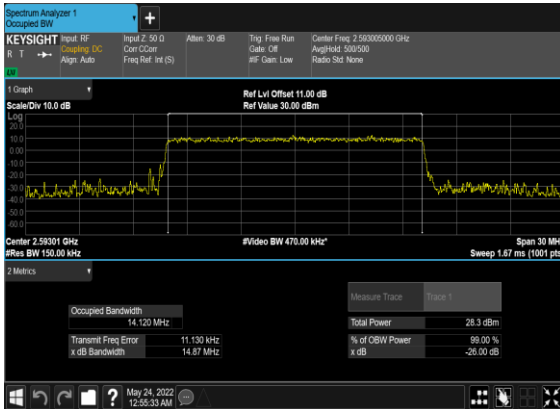
N41(15M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



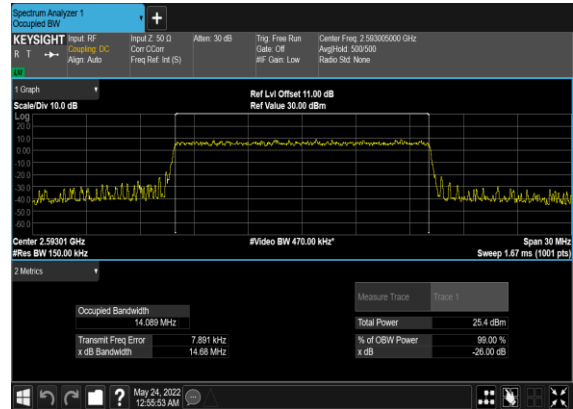
N41(15M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



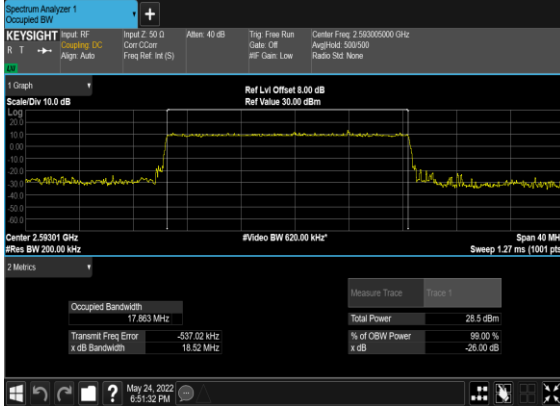
N41(15M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



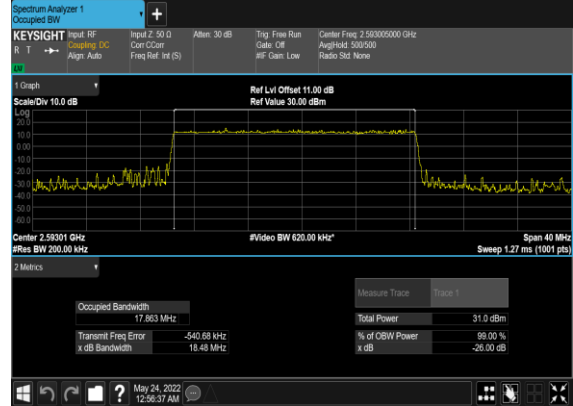
N41(15M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



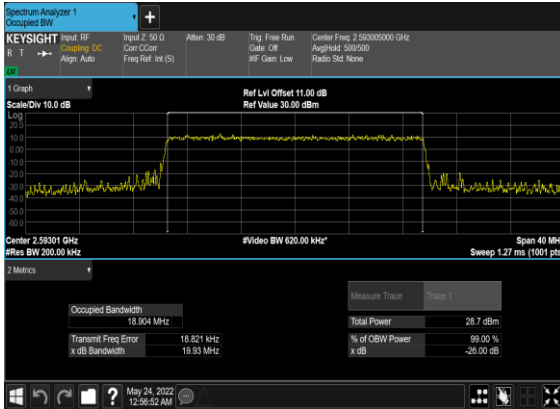
N41(20M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



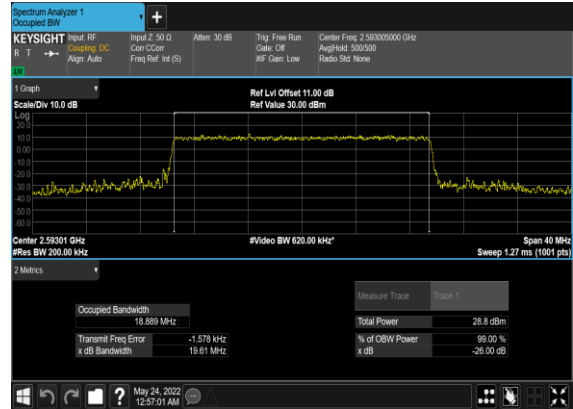
N41(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



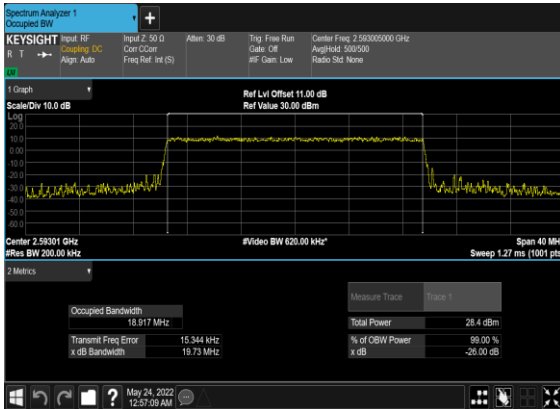
N41(20M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



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

