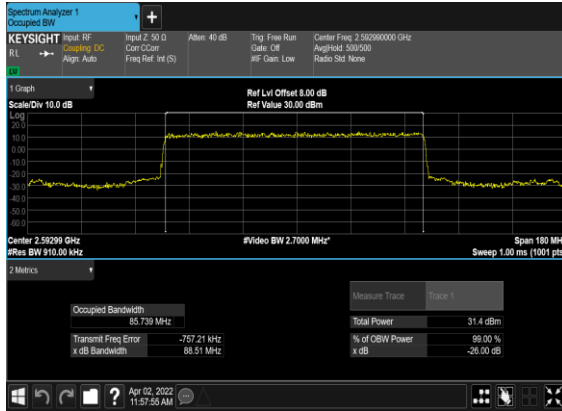
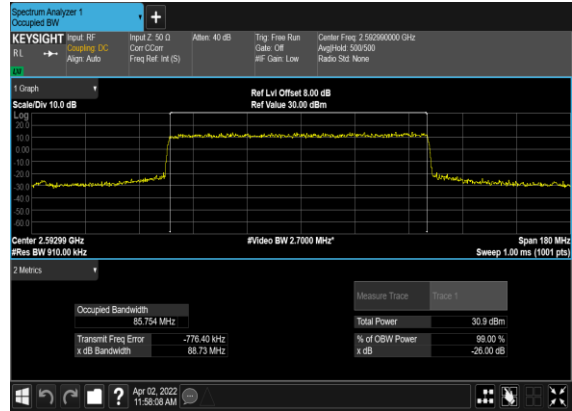


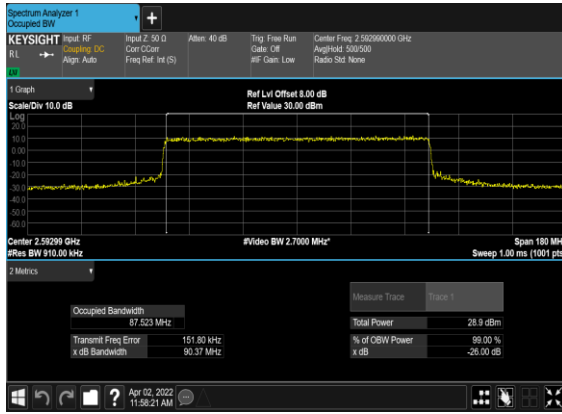
### N41(90M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



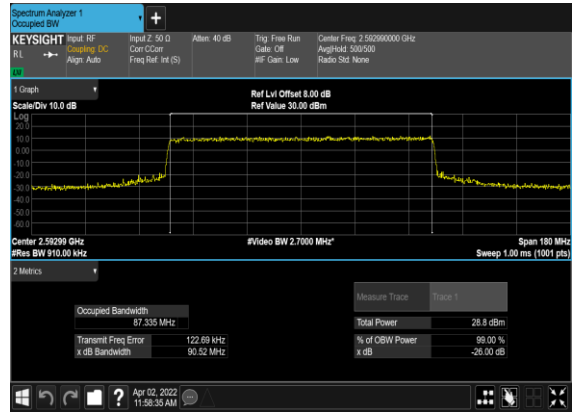
### N41(90M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



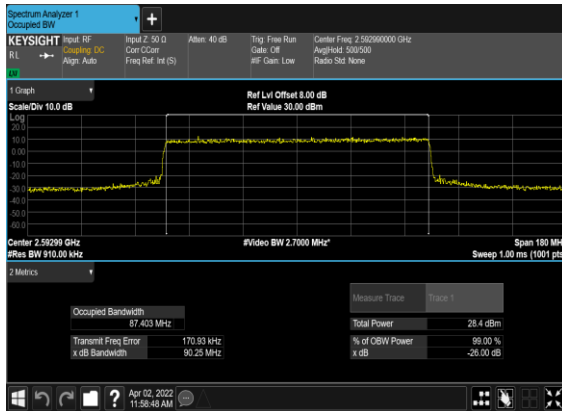
### N41(90M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



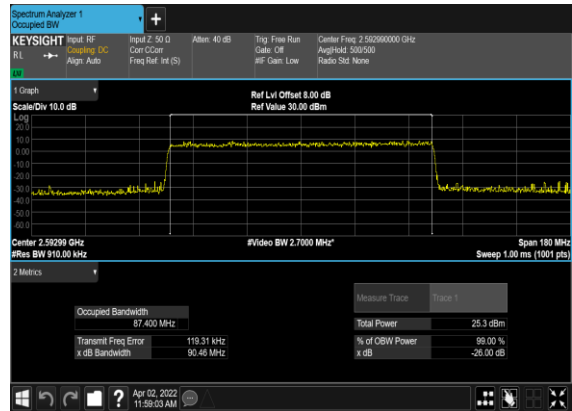
### N41(90M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



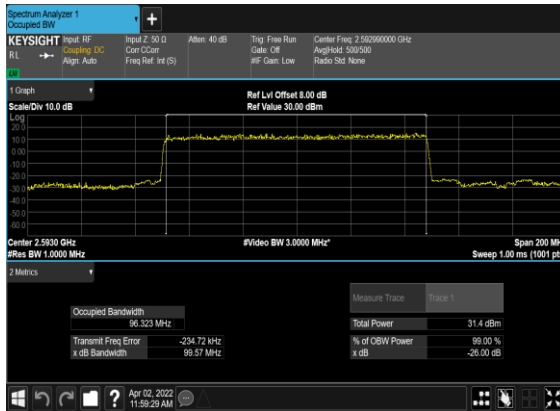
### N41(90M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



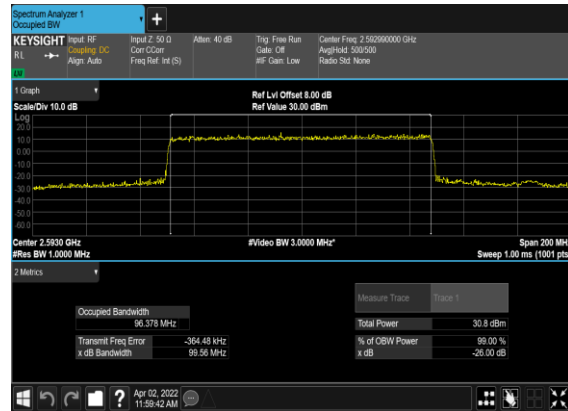
### N41(90M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH



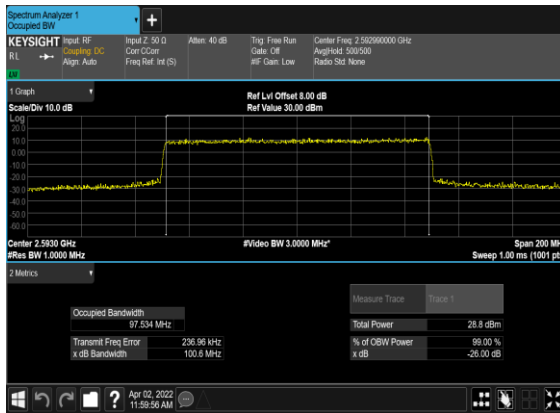
### N41(100M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



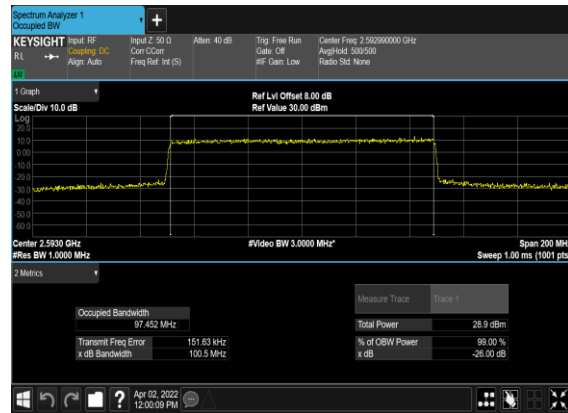
### N41(100M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



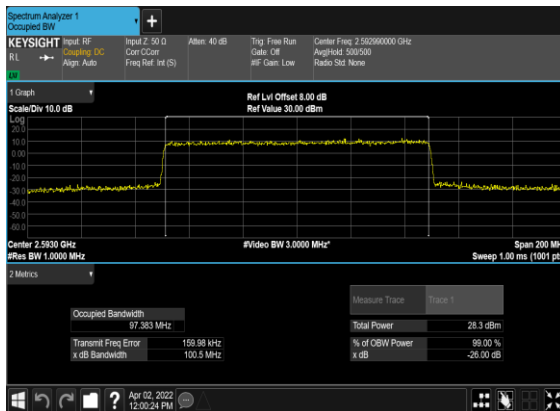
### N41(100M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



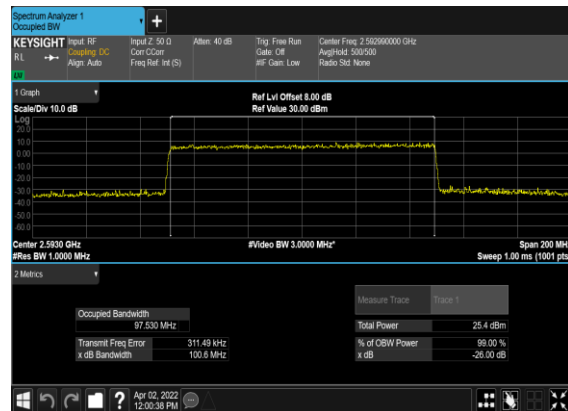
### N41(100M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



### 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	20	501204	2506.02	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	20	501204	2506.02	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	20	501204	2506.02	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	20	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	20	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	20	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	20	535998	2679.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	20	535998	2679.99	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	20	535998	2679.99	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	1@0	see graph	---

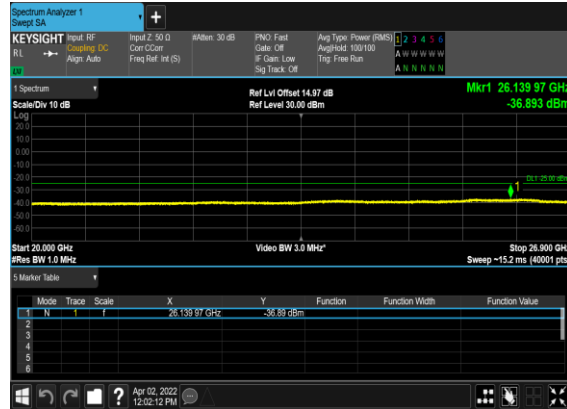
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	60	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	60	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	60	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
41	30	60	531996	2659.98	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>

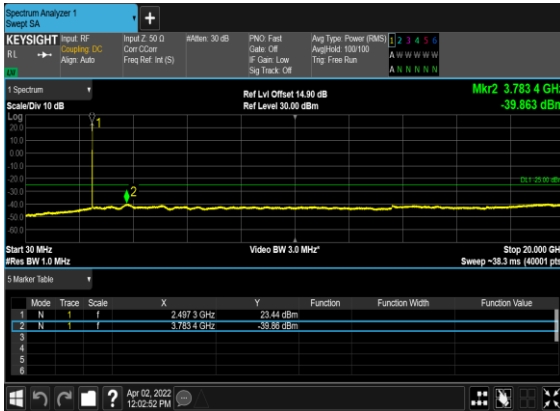
N41(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



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



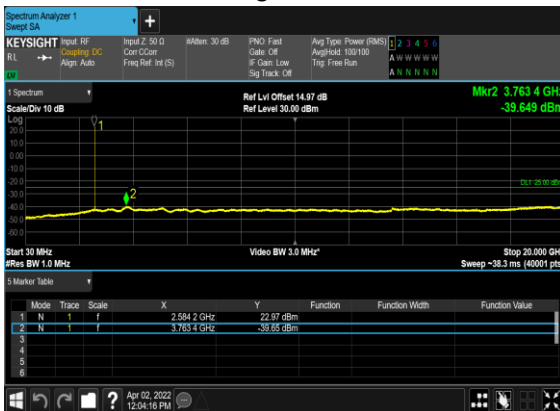
N41(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



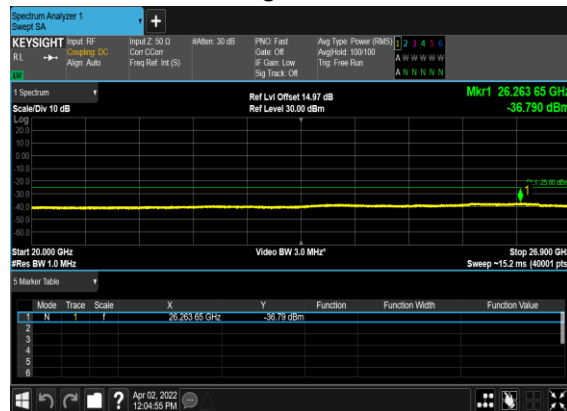
N41(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



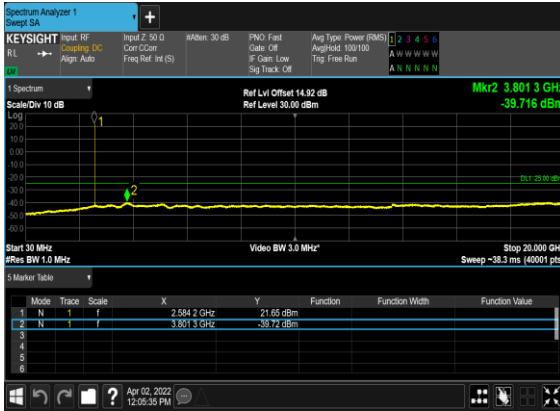
N41(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



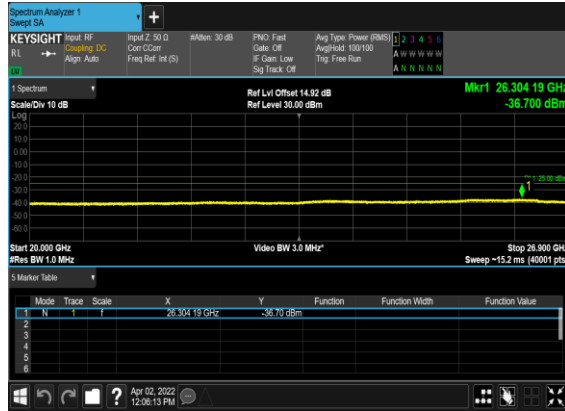
N41(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



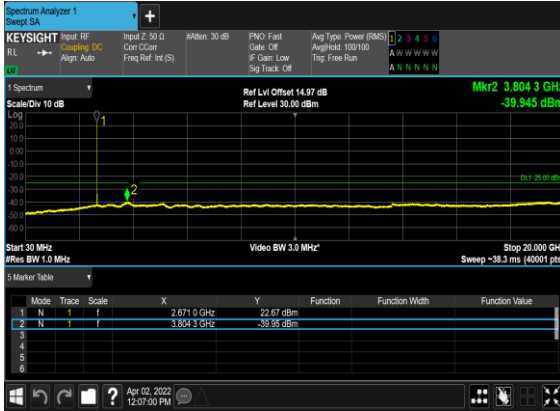
N41(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



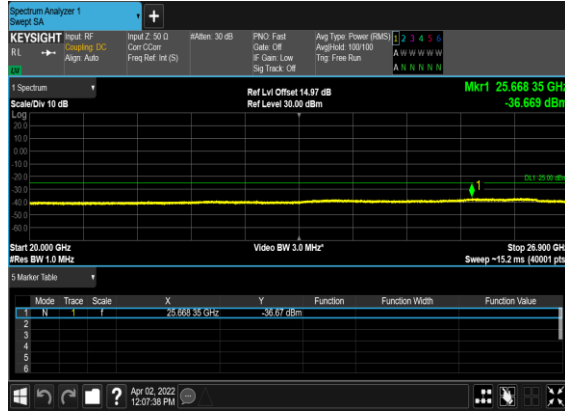
N41(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



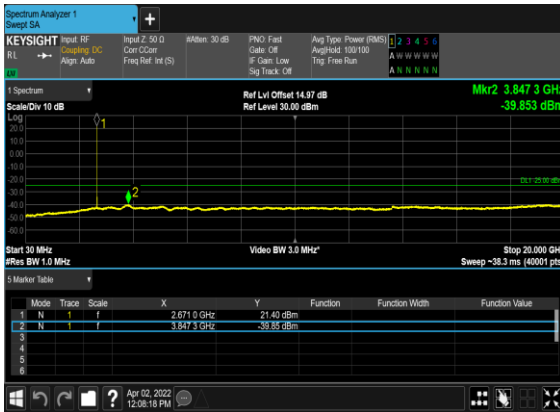
N41(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



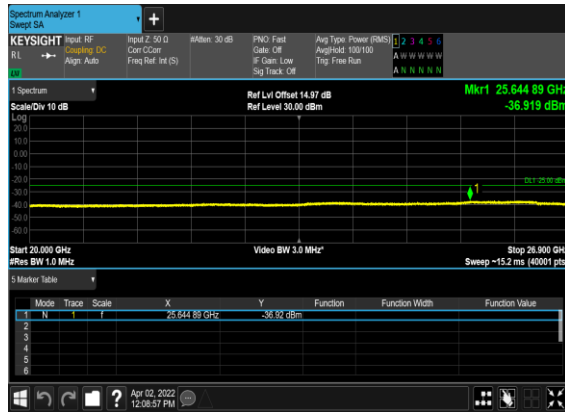
N41(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



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



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



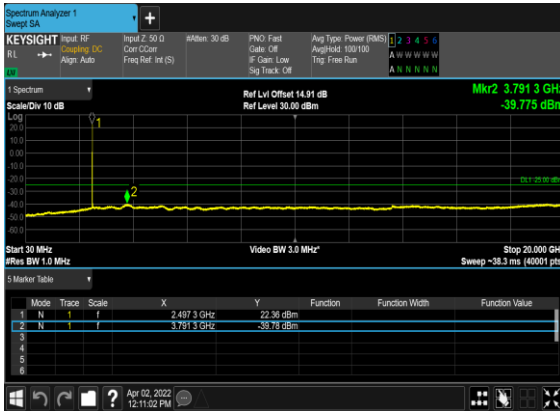
### N41(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



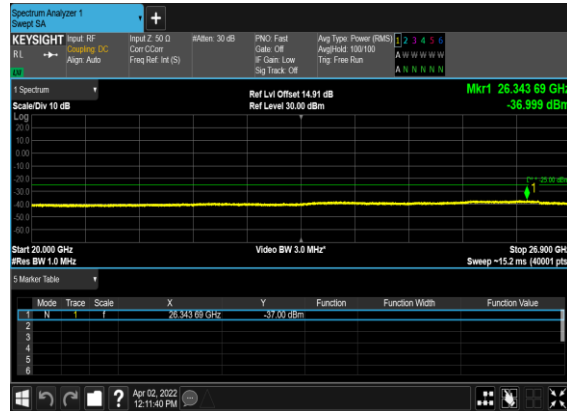
### N41(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



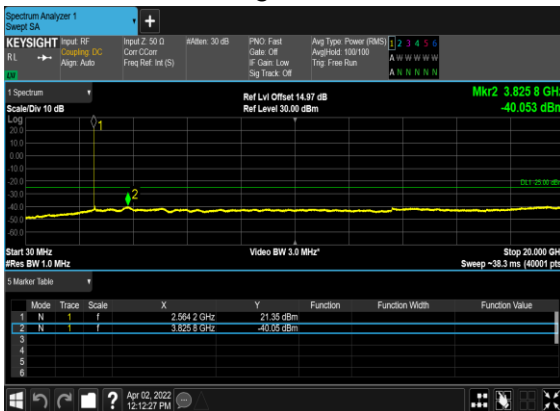
### N41(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



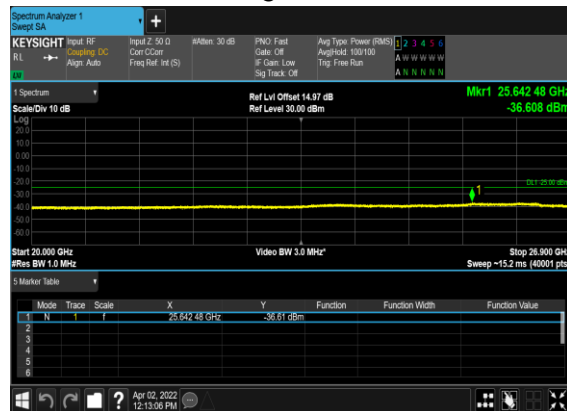
### N41(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



### N41(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



### N41(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH





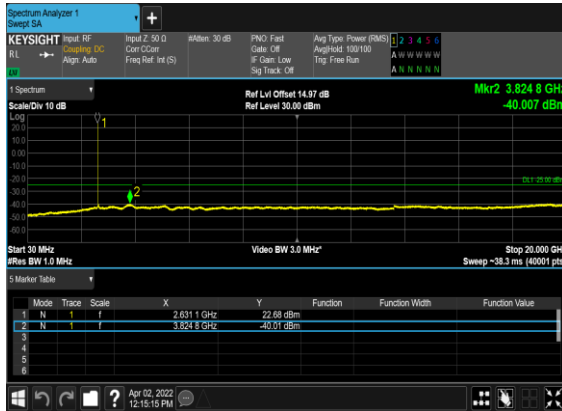
### N41(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



### N41(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



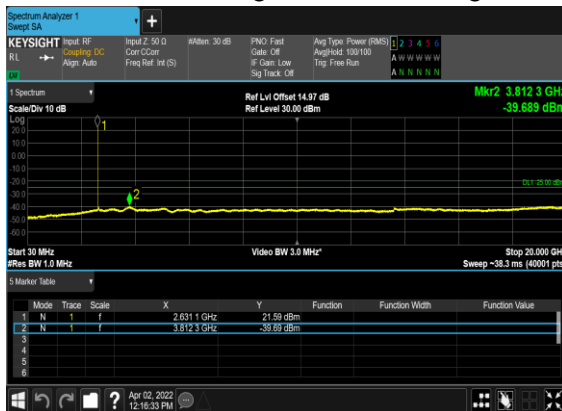
### N41(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



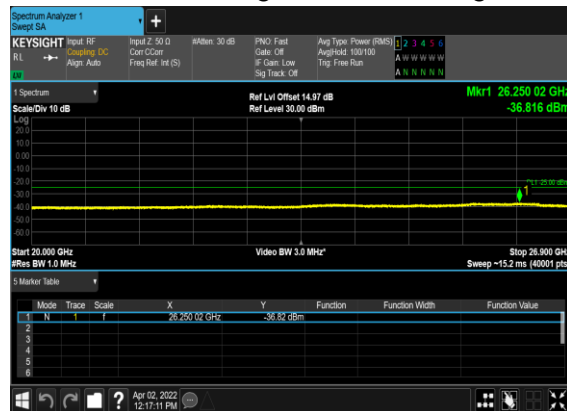
### N41(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



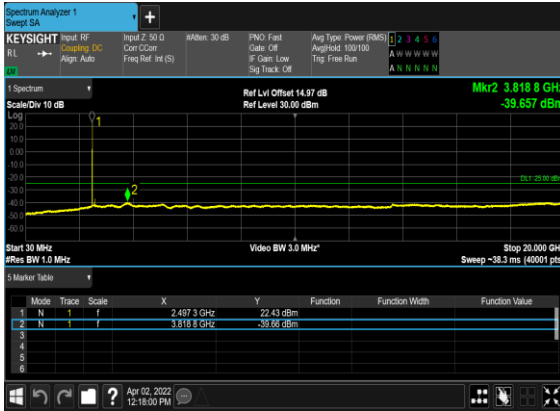
### N41(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



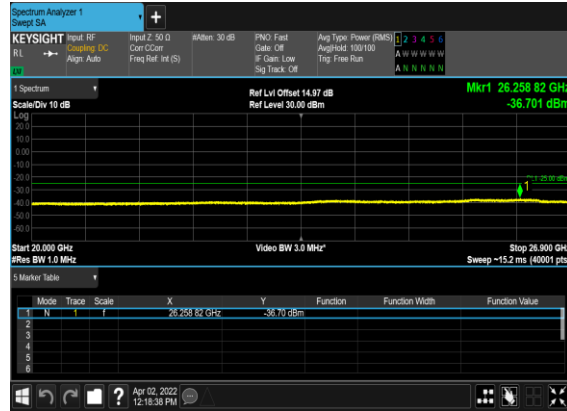
### N41(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



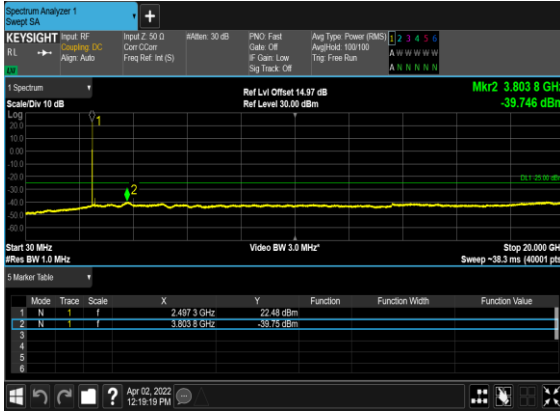
### N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



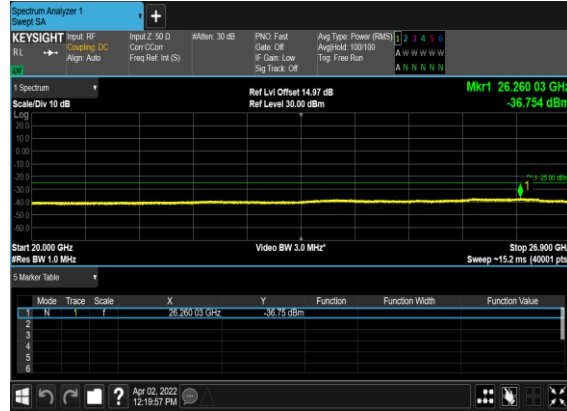
### N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



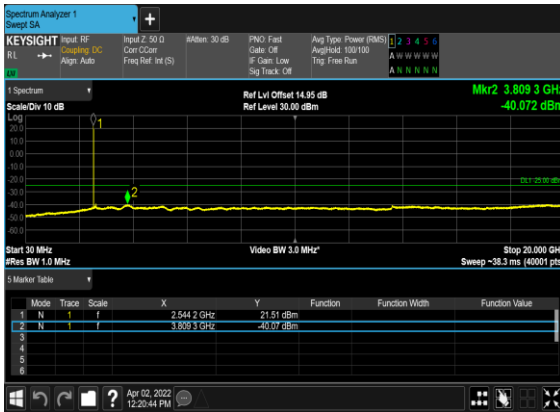
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



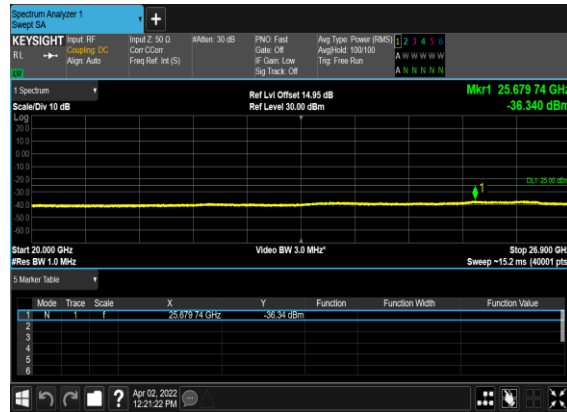
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



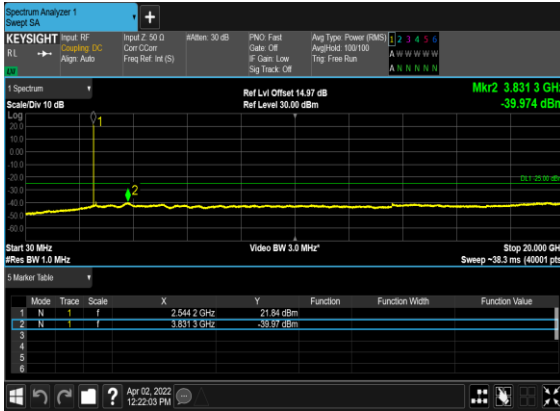
### N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



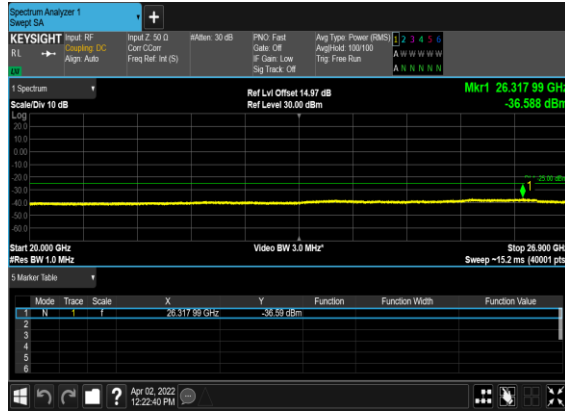
### N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



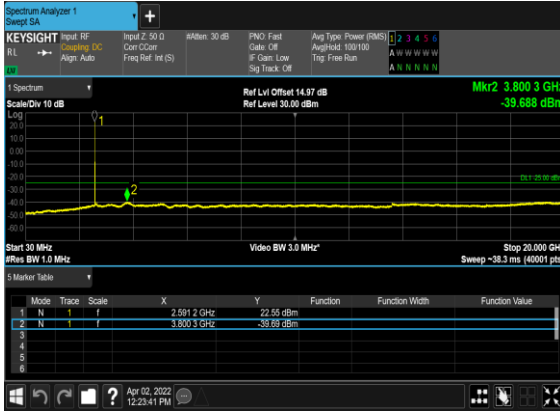
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



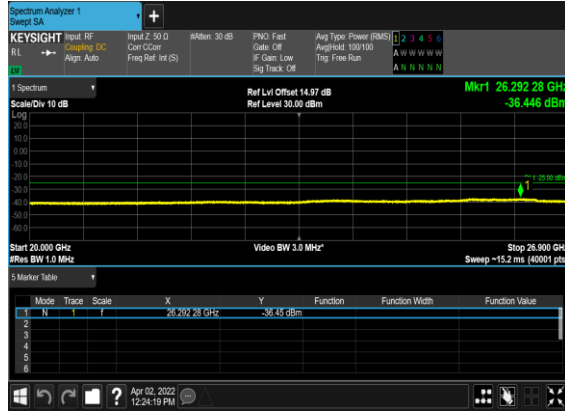
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



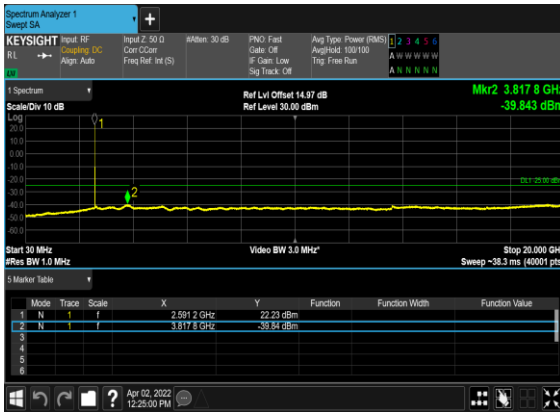
### N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



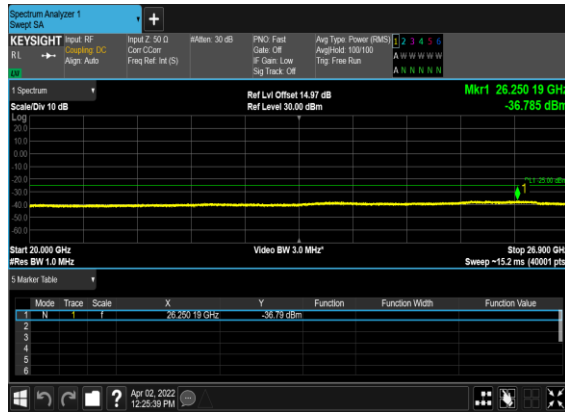
### N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



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



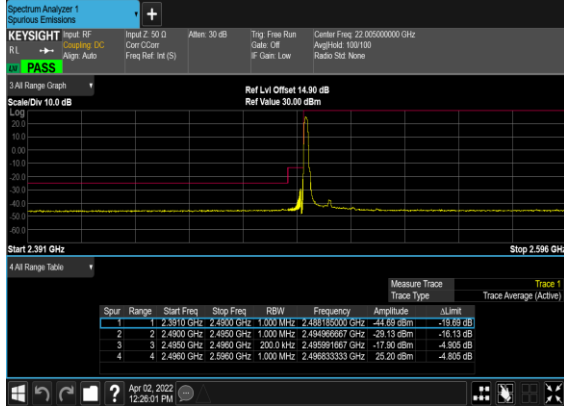
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



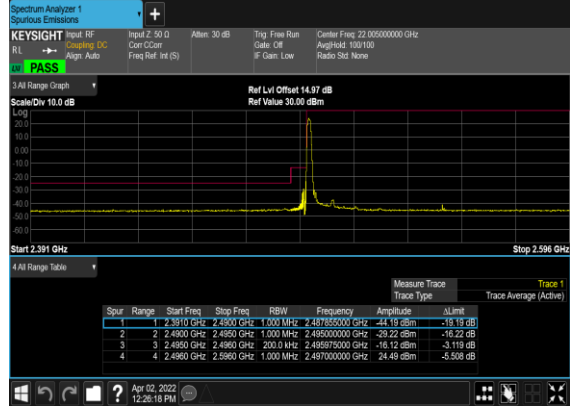
## Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	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

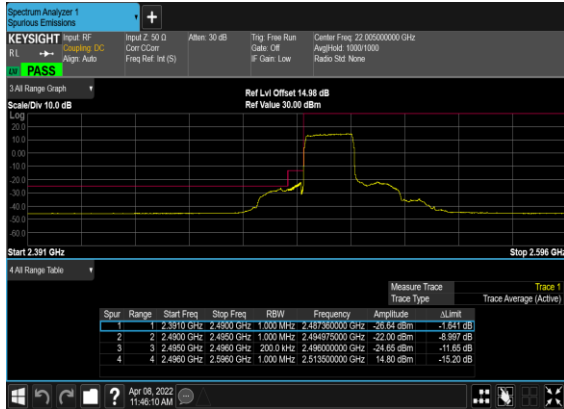
N41(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



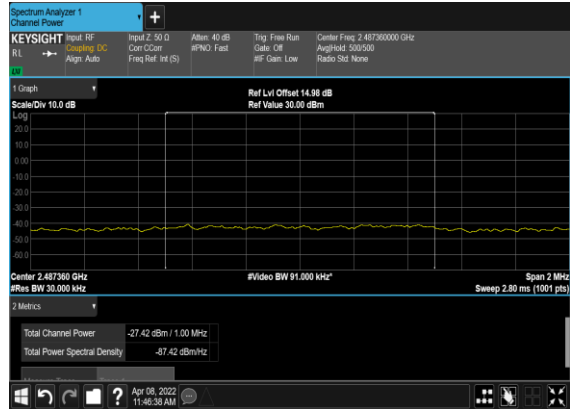
N41(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



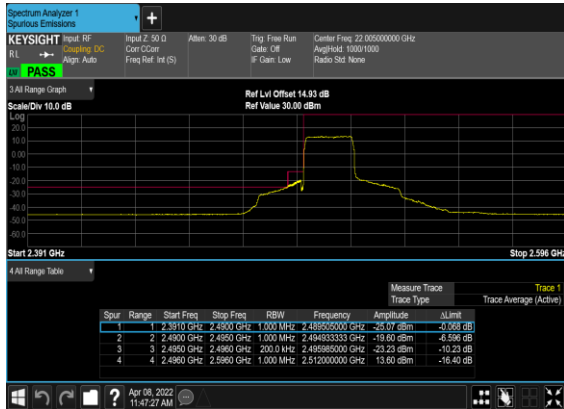
N41(20M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH



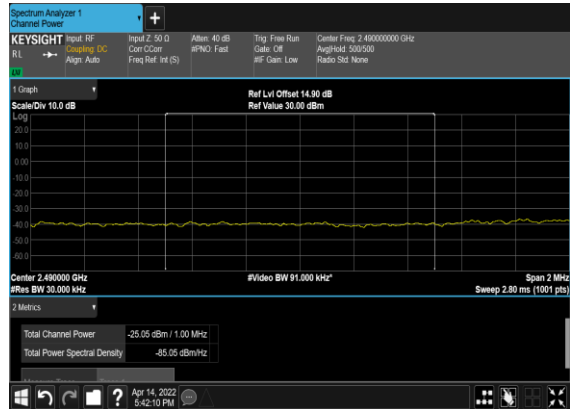
N41(20M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH\_CHP\_PASS



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



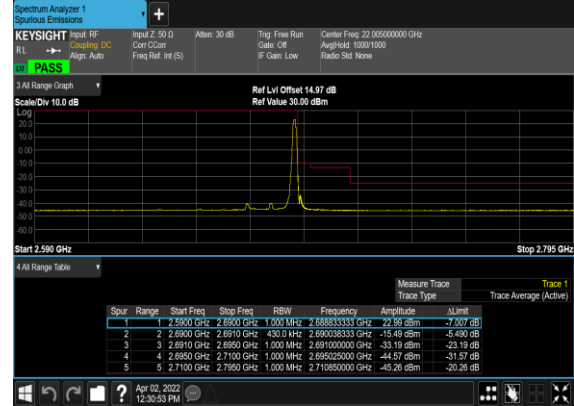
N41(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH\_CHP\_PASS



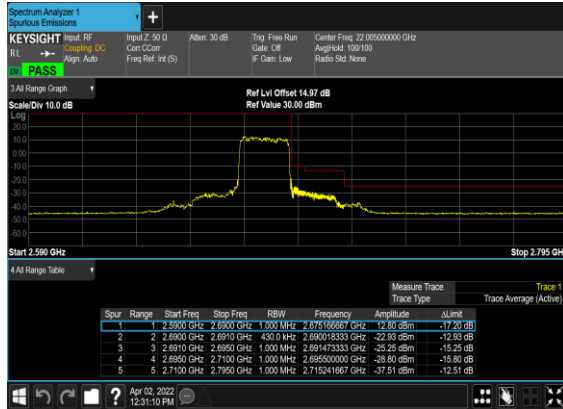
### N41(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



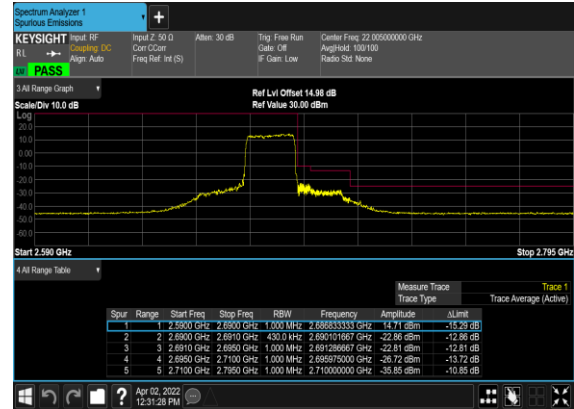
### N41(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



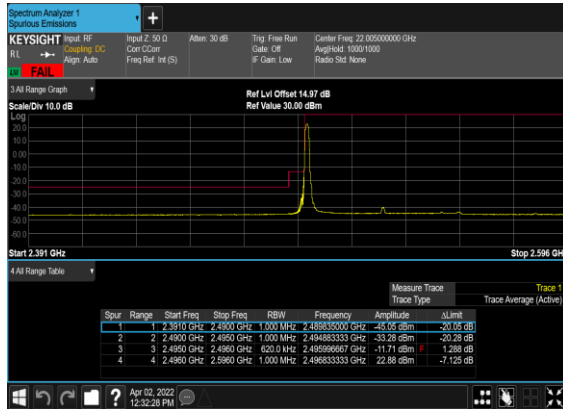
### N41(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



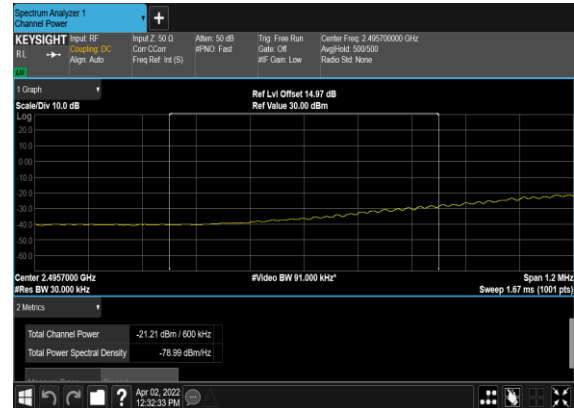
### N41(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



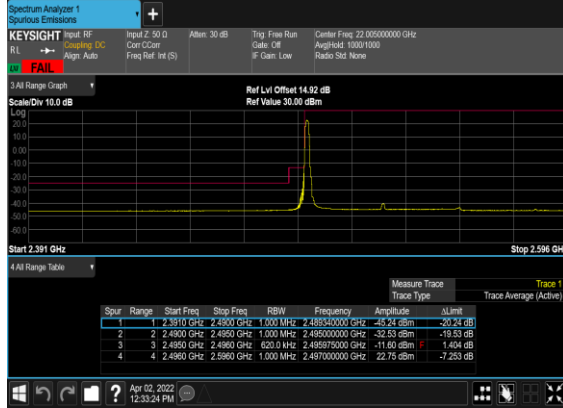
### N41(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



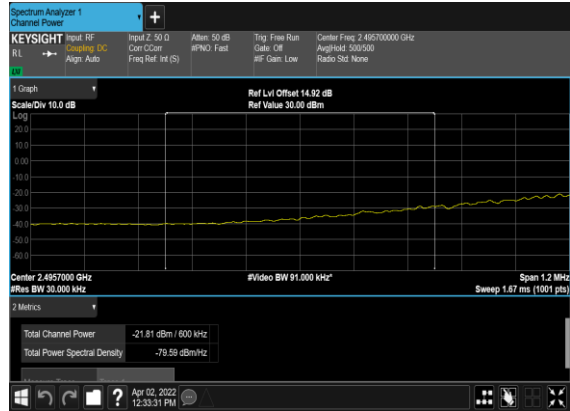
### N41(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS



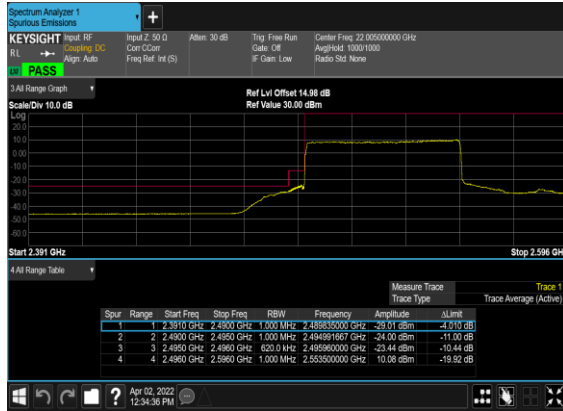
N41(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



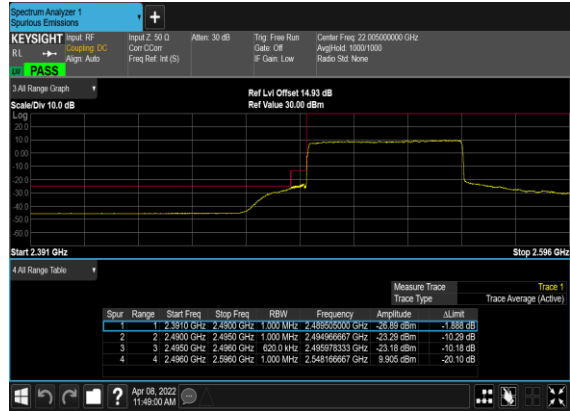
N41(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS



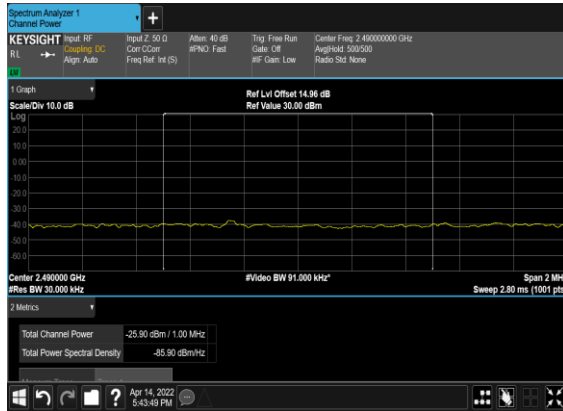
N41(60M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



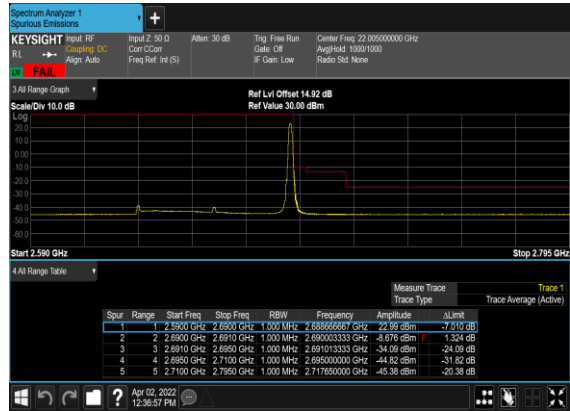
N41(60M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



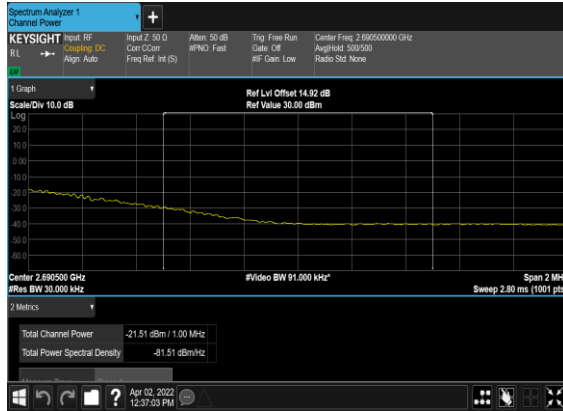
N41(60M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH\_CHP\_PAS



N41(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



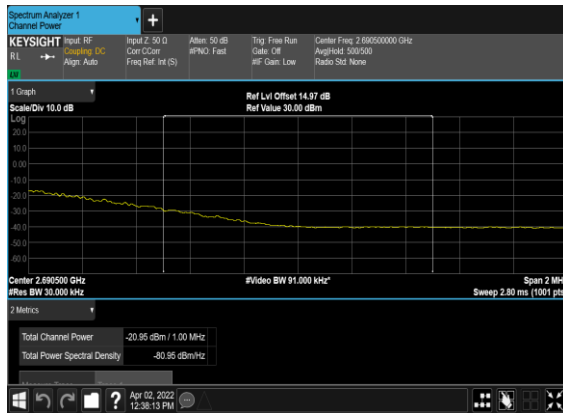
N41(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH\_CHP\_PASS



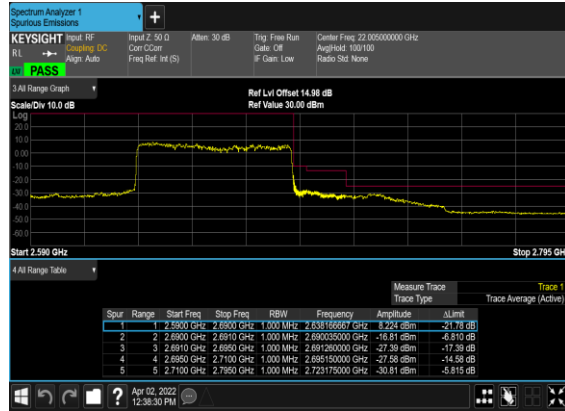
N41(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



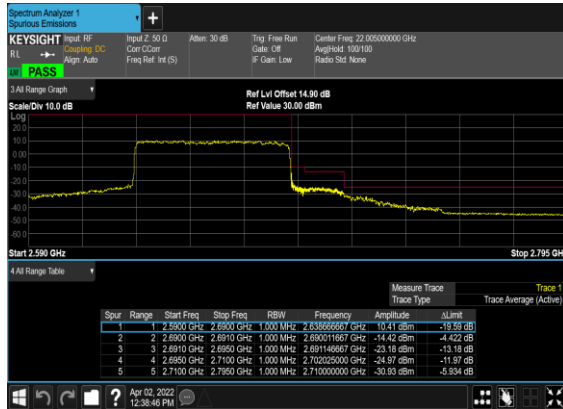
N41(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH\_CHP\_PASS



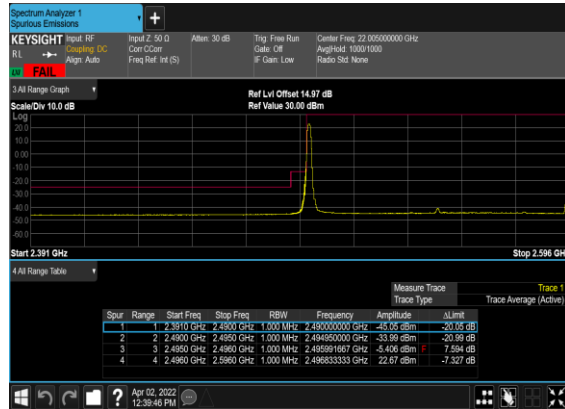
N41(60M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



N41(60M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH

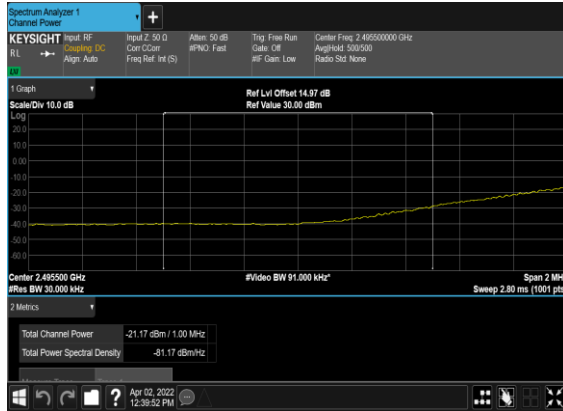


N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH

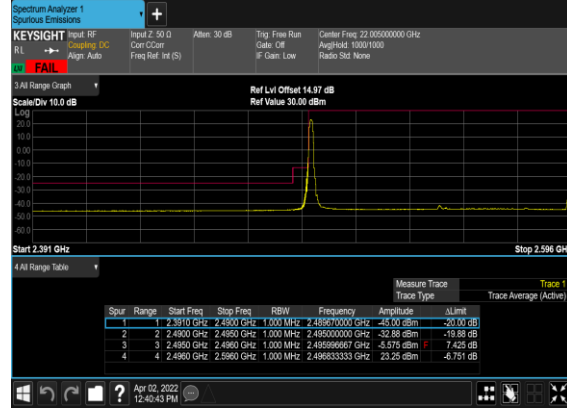




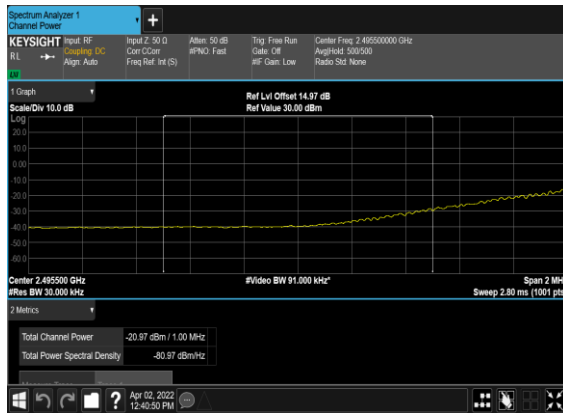
N41(100M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_P  
ASS



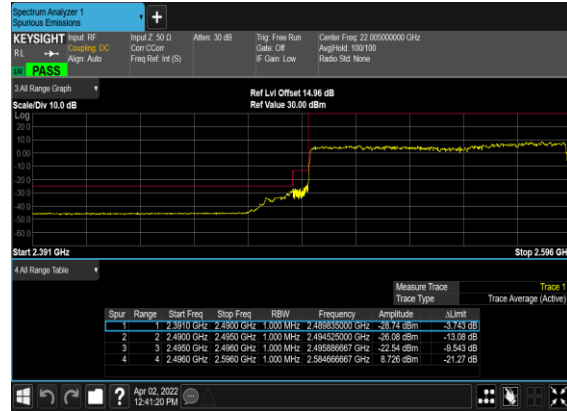
N41(100M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



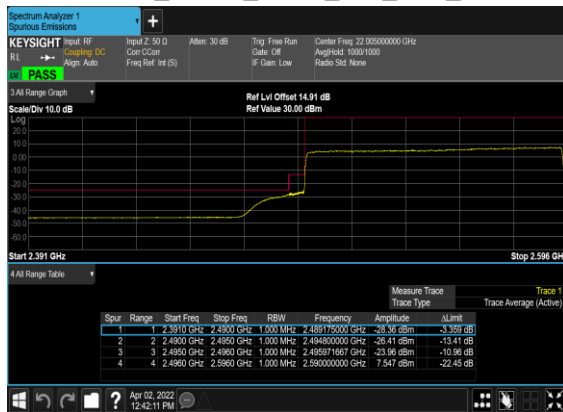
N41(100M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_P  
ASS



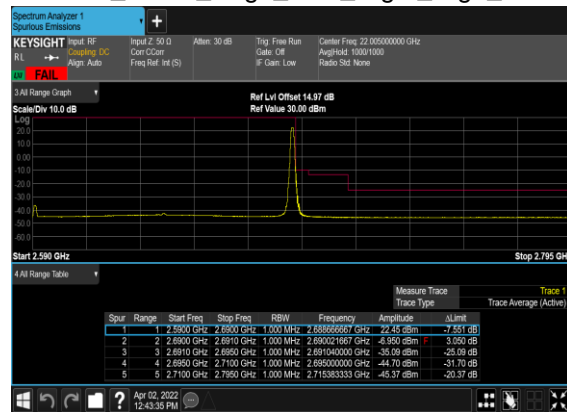
N41(100M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH



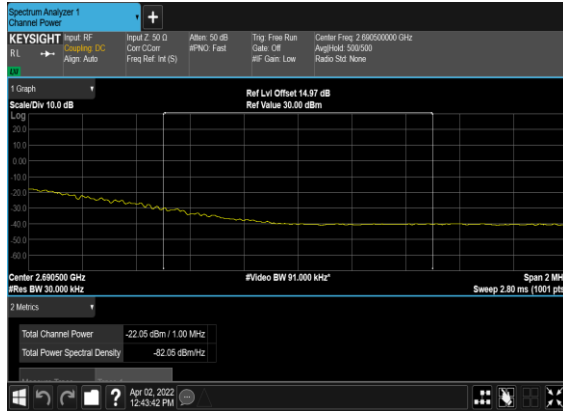
N41(100M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



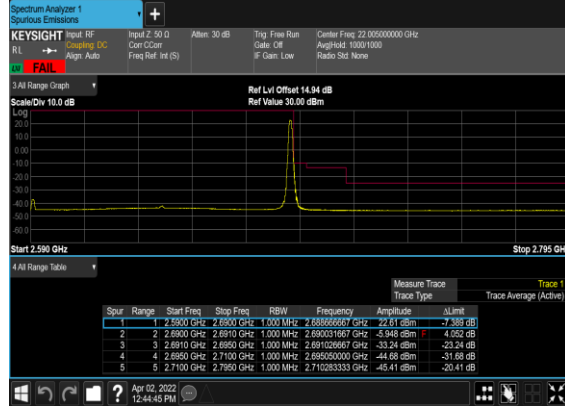
N41(100M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



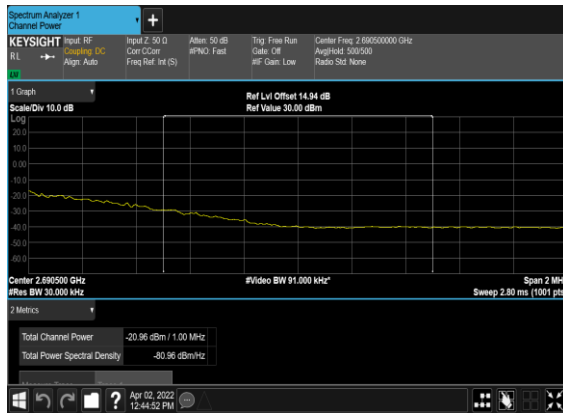
### N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH\_CHP\_PASS



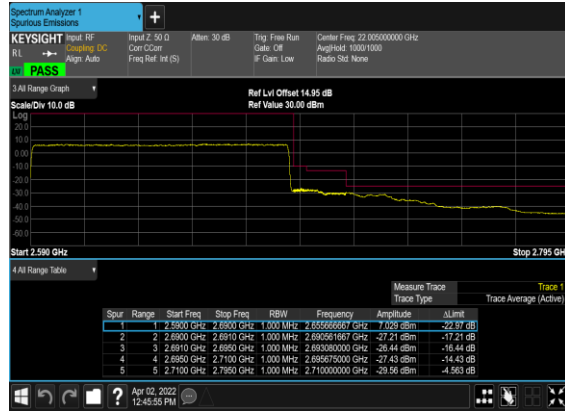
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



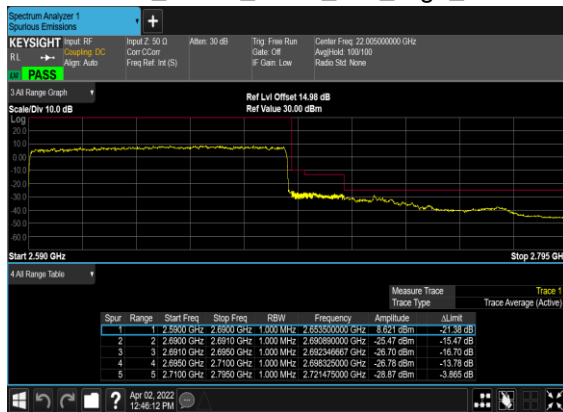
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH\_CHP\_PASS



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



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



# FR1 N41 MIMO-ANT8+1

## Transmitter Conducted Output Power And EIRP, (G<sub>T</sub>-L<sub>C</sub>)=0.39dBi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT8 Power (dBm)	ANT1 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
41	30	20	501204	2506.02	CP-OFDM QPSK	25@12	23.22	23.27	26.26	26.65	0.4619
41	30	20	501204	2506.02	CP-OFDM QPSK	1@1	22.96	23.33	26.16	26.55	0.4518
41	30	20	501204	2506.02	CP-OFDM QPSK	1@49	22.9	23.23	26.08	26.47	0.4434
41	30	20	501204	2506.02	CP-OFDM 16 QAM	25@12	22.55	22.79	25.68	26.07	0.4048
41	30	20	501204	2506.02	CP-OFDM 16 QAM	1@1	22.71	22.8	25.77	26.16	0.4126
41	30	20	501204	2506.02	CP-OFDM 16 QAM	1@49	22.64	22.66	25.66	26.05	0.4027
41	30	20	501204	2506.02	CP-OFDM 64 QAM	25@12	21.04	21.4	24.23	24.62	0.2900
41	30	20	501204	2506.02	CP-OFDM 64 QAM	1@1	21.19	21.14	24.18	24.57	0.2861
41	30	20	501204	2506.02	CP-OFDM 64 QAM	1@49	21.1	20.95	24.04	24.43	0.2771
41	30	20	501204	2506.02	CP-OFDM 256 QAM	25@12	17.98	18.34	21.17	21.56	0.1434
41	30	20	501204	2506.02	CP-OFDM 256 QAM	1@1	18.03	18.38	21.22	21.61	0.1448
41	30	20	501204	2506.02	CP-OFDM 256 QAM	1@49	17.96	18.24	21.11	21.50	0.1413
41	30	20	518598	2592.99	CP-OFDM QPSK	25@12	22.67	23.15	25.93	26.32	0.4282
41	30	20	518598	2592.99	CP-OFDM QPSK	1@1	22.51	23.05	25.80	26.19	0.4158
41	30	20	518598	2592.99	CP-OFDM QPSK	1@49	22.78	23.22	26.02	26.41	0.4371
41	30	20	518598	2592.99	CP-OFDM 16 QAM	25@12	22.26	22.65	25.47	25.86	0.3854
41	30	20	518598	2592.99	CP-OFDM 16 QAM	1@1	21.99	22.47	25.25	25.64	0.3662
41	30	20	518598	2592.99	CP-OFDM 16 QAM	1@49	22.2	22.69	25.46	25.85	0.3848
41	30	20	518598	2592.99	CP-OFDM 64 QAM	25@12	20.7	21.24	23.99	24.38	0.2741
41	30	20	518598	2592.99	CP-OFDM 64 QAM	1@1	20.63	20.77	23.71	24.10	0.2571
41	30	20	518598	2592.99	CP-OFDM 64 QAM	1@49	20.83	20.95	23.90	24.29	0.2686
41	30	20	518598	2592.99	CP-OFDM 256 QAM	25@12	17.71	18.13	20.94	21.33	0.1357
41	30	20	518598	2592.99	CP-OFDM 256 QAM	1@1	17.54	18.04	20.81	21.20	0.1317
41	30	20	518598	2592.99	CP-OFDM 256 QAM	1@49	17.74	18.25	21.01	21.40	0.1381
41	30	20	535998	2679.99	CP-OFDM QPSK	25@12	22.67	22.81	25.75	26.14	0.4112
41	30	20	535998	2679.99	CP-OFDM QPSK	1@1	22.63	22.8	25.73	26.12	0.4089
41	30	20	535998	2679.99	CP-OFDM QPSK	1@49	22.72	22.93	25.84	26.23	0.4194
41	30	20	535998	2679.99	CP-OFDM 16 QAM	25@12	22.23	22.19	25.22	25.61	0.3639

41	30	20	535998	2679.99	CP-OFDM 16 QAM	1@1	22.28	22.09	25.20	25.59	0.3619
41	30	20	535998	2679.99	CP-OFDM 16 QAM	1@49	22.22	22.17	25.21	25.60	0.3627
41	30	20	535998	2679.99	CP-OFDM 64 QAM	25@12	20.7	20.81	23.77	24.16	0.2604
41	30	20	535998	2679.99	CP-OFDM 64 QAM	1@1	20.72	20.5	23.62	24.01	0.2519
41	30	20	535998	2679.99	CP-OFDM 64 QAM	1@49	20.72	20.6	23.67	24.06	0.2547
41	30	20	535998	2679.99	CP-OFDM 256 QAM	25@12	17.68	17.74	20.72	21.11	0.1291
41	30	20	535998	2679.99	CP-OFDM 256 QAM	1@1	17.64	17.69	20.68	21.07	0.1278
41	30	20	535998	2679.99	CP-OFDM 256 QAM	1@49	17.64	17.81	20.74	21.13	0.1296
41	30	30	502200	2511	CP-OFDM QPSK	39@19	22.95	23.27	26.12	26.51	0.4480
41	30	30	502200	2511	CP-OFDM QPSK	1@1	22.95	23.35	26.16	26.55	0.4524
41	30	30	502200	2511	CP-OFDM QPSK	1@76	23.15	23.62	26.40	26.79	0.4777
41	30	30	502200	2511	CP-OFDM 16 QAM	39@19	22.54	22.77	25.67	26.06	0.4034
41	30	30	502200	2511	CP-OFDM 16 QAM	1@1	22.63	22.74	25.70	26.09	0.4060
41	30	30	502200	2511	CP-OFDM 16 QAM	1@76	22.74	22.95	25.86	26.25	0.4214
41	30	30	502200	2511	CP-OFDM 64 QAM	39@19	21.01	21.24	24.14	24.53	0.2836
41	30	30	502200	2511	CP-OFDM 64 QAM	1@1	21.05	21.17	24.12	24.51	0.2825
41	30	30	502200	2511	CP-OFDM 64 QAM	1@76	21.05	21.29	24.18	24.57	0.2865
41	30	30	502200	2511	CP-OFDM 256 QAM	39@19	17.99	18.22	21.12	21.51	0.1415
41	30	30	502200	2511	CP-OFDM 256 QAM	1@1	17.94	18.39	21.18	21.57	0.1436
41	30	30	502200	2511	CP-OFDM 256 QAM	1@76	17.99	18.46	21.24	21.63	0.1456
41	30	30	518598	2592.99	CP-OFDM QPSK	39@19	22.68	23.24	25.98	26.37	0.4334
41	30	30	518598	2592.99	CP-OFDM QPSK	1@1	22.53	23.14	25.86	26.25	0.4213
41	30	30	518598	2592.99	CP-OFDM QPSK	1@76	23.04	23.49	26.28	26.67	0.4646
41	30	30	518598	2592.99	CP-OFDM 16 QAM	39@19	22.17	22.7	25.45	25.84	0.3840
41	30	30	518598	2592.99	CP-OFDM 16 QAM	1@1	22.2	22.62	25.43	25.82	0.3815
41	30	30	518598	2592.99	CP-OFDM 16 QAM	1@76	22.57	22.96	25.78	26.17	0.4140
41	30	30	518598	2592.99	CP-OFDM 64 QAM	39@19	20.62	21.19	23.92	24.31	0.2701
41	30	30	518598	2592.99	CP-OFDM 64 QAM	1@1	20.63	20.87	23.76	24.15	0.2601
41	30	30	518598	2592.99	CP-OFDM 64 QAM	1@76	21.01	21.17	24.10	24.49	0.2813
41	30	30	518598	2592.99	CP-OFDM 256 QAM	39@19	17.58	18.23	20.93	21.32	0.1354
41	30	30	518598	2592.99	CP-OFDM 256 QAM	1@1	18.01	18.25	21.14	21.53	0.1423
41	30	30	518598	2592.99	CP-OFDM 256 QAM	1@76	18.01	18.54	21.29	21.68	0.1473
41	30	30	534996	2674.98	CP-OFDM QPSK	39@19	22.83	22.73	25.79	26.18	0.4150
41	30	30	534996	2674.98	CP-OFDM QPSK	1@1	22.64	22.64	25.65	26.04	0.4018

41	30	30	534996	2674.98	CP-OFDM QPSK	1@76	23.11	23.04	26.09	26.48	0.4442
41	30	30	534996	2674.98	CP-OFDM 16 QAM	39@19	22.38	22.25	25.33	25.72	0.3729
41	30	30	534996	2674.98	CP-OFDM 16 QAM	1@1	22.31	22.15	25.24	25.63	0.3657
41	30	30	534996	2674.98	CP-OFDM 16 QAM	1@76	22.38	22.42	25.41	25.80	0.3802
41	30	30	534996	2674.98	CP-OFDM 64 QAM	39@19	20.83	20.73	23.79	24.18	0.2619
41	30	30	534996	2674.98	CP-OFDM 64 QAM	1@1	20.73	20.53	23.64	24.03	0.2530
41	30	30	534996	2674.98	CP-OFDM 64 QAM	1@76	20.83	20.77	23.81	24.20	0.2631
41	30	30	534996	2674.98	CP-OFDM 256 QAM	39@19	17.84	17.74	20.80	21.19	0.1315
41	30	30	534996	2674.98	CP-OFDM 256 QAM	1@1	17.65	17.75	20.71	21.10	0.1288
41	30	30	534996	2674.98	CP-OFDM 256 QAM	1@76	17.73	18.05	20.90	21.29	0.1347
41	30	40	503202	2516.01	CP-OFDM QPSK	53@26	23.03	23.23	26.14	26.53	0.4499
41	30	40	503202	2516.01	CP-OFDM QPSK	1@1	23.04	23.48	26.28	26.67	0.4641
41	30	40	503202	2516.01	CP-OFDM QPSK	1@104	23.16	23.46	26.32	26.71	0.4691
41	30	40	503202	2516.01	CP-OFDM 16 QAM	53@26	22.54	22.71	25.64	26.03	0.4005
41	30	40	503202	2516.01	CP-OFDM 16 QAM	1@1	22.69	22.79	25.75	26.14	0.4112
41	30	40	503202	2516.01	CP-OFDM 16 QAM	1@104	22.86	22.79	25.84	26.23	0.4193
41	30	40	503202	2516.01	CP-OFDM 64 QAM	53@26	21	21.2	24.11	24.50	0.2819
41	30	40	503202	2516.01	CP-OFDM 64 QAM	1@1	21.12	21.2	24.17	24.56	0.2858
41	30	40	503202	2516.01	CP-OFDM 64 QAM	1@104	21.27	21.2	24.25	24.64	0.2908
41	30	40	503202	2516.01	CP-OFDM 256 QAM	53@26	17.99	18.17	21.09	21.48	0.1406
41	30	40	503202	2516.01	CP-OFDM 256 QAM	1@1	18.07	18.42	21.26	21.65	0.1462
41	30	40	503202	2516.01	CP-OFDM 256 QAM	1@104	18.19	18.42	21.32	21.71	0.1481
41	30	40	518598	2592.99	CP-OFDM QPSK	53@26	22.65	23.2	25.94	26.33	0.4299
41	30	40	518598	2592.99	CP-OFDM QPSK	1@1	22.56	23.26	25.93	26.32	0.4290
41	30	40	518598	2592.99	CP-OFDM QPSK	1@104	23.21	23.35	26.29	26.68	0.4657
41	30	40	518598	2592.99	CP-OFDM 16 QAM	53@26	22.2	22.7	25.47	25.86	0.3853
41	30	40	518598	2592.99	CP-OFDM 16 QAM	1@1	22.3	22.76	25.55	25.94	0.3923
41	30	40	518598	2592.99	CP-OFDM 16 QAM	1@104	22.76	22.84	25.81	26.20	0.4169
41	30	40	518598	2592.99	CP-OFDM 64 QAM	53@26	20.66	21.25	23.98	24.37	0.2732
41	30	40	518598	2592.99	CP-OFDM 64 QAM	1@1	20.65	20.98	23.83	24.22	0.2641
41	30	40	518598	2592.99	CP-OFDM 64 QAM	1@104	21.09	21.02	24.07	24.46	0.2790
41	30	40	518598	2592.99	CP-OFDM 256 QAM	53@26	17.62	18.19	20.92	21.31	0.1354
41	30	40	518598	2592.99	CP-OFDM 256 QAM	1@1	18.1	18.41	21.27	21.66	0.1465
41	30	40	518598	2592.99	CP-OFDM 256 QAM	1@104	18.03	18.48	21.27	21.66	0.1466

41	30	40	534000	2670	CP-OFDM QPSK	53@26	22.82	22.79	25.82	26.21	0.4174
41	30	40	534000	2670	CP-OFDM QPSK	1@1	22.66	22.77	25.73	26.12	0.4089
41	30	40	534000	2670	CP-OFDM QPSK	1@104	22.9	23.01	25.97	26.36	0.4321
41	30	40	534000	2670	CP-OFDM 16 QAM	53@26	22.34	22.33	25.35	25.74	0.3746
41	30	40	534000	2670	CP-OFDM 16 QAM	1@1	22.28	22.26	25.28	25.67	0.3690
41	30	40	534000	2670	CP-OFDM 16 QAM	1@104	22.53	22.51	25.53	25.92	0.3909
41	30	40	534000	2670	CP-OFDM 64 QAM	53@26	20.84	20.82	23.84	24.23	0.2649
41	30	40	534000	2670	CP-OFDM 64 QAM	1@1	20.88	20.47	23.69	24.08	0.2559
41	30	40	534000	2670	CP-OFDM 64 QAM	1@104	21.1	20.66	23.90	24.29	0.2683
41	30	40	534000	2670	CP-OFDM 256 QAM	53@26	17.8	17.79	20.81	21.20	0.1317
41	30	40	534000	2670	CP-OFDM 256 QAM	1@1	17.67	17.83	20.76	21.15	0.1303
41	30	40	534000	2670	CP-OFDM 256 QAM	1@104	17.9	18.02	20.97	21.36	0.1368
41	30	50	504204	2521.02	CP-OFDM QPSK	67@33	23.04	23.27	26.17	26.56	0.4526
41	30	50	504204	2521.02	CP-OFDM QPSK	1@1	22.96	23.38	26.19	26.58	0.4545
41	30	50	504204	2521.02	CP-OFDM QPSK	1@131	23.33	23.41	26.38	26.77	0.4754
41	30	50	504204	2521.02	CP-OFDM 16 QAM	67@33	22.55	22.83	25.70	26.09	0.4067
41	30	50	504204	2521.02	CP-OFDM 16 QAM	1@1	22.58	22.76	25.68	26.07	0.4047
41	30	50	504204	2521.02	CP-OFDM 16 QAM	1@131	22.94	22.88	25.92	26.31	0.4276
41	30	50	504204	2521.02	CP-OFDM 64 QAM	67@33	21.03	21.35	24.20	24.59	0.2880
41	30	50	504204	2521.02	CP-OFDM 64 QAM	1@1	21.08	21.11	24.11	24.50	0.2815
41	30	50	504204	2521.02	CP-OFDM 64 QAM	1@131	21.39	21.2	24.31	24.70	0.2949
41	30	50	504204	2521.02	CP-OFDM 256 QAM	67@33	18.02	18.26	21.15	21.54	0.1426
41	30	50	504204	2521.02	CP-OFDM 256 QAM	1@1	17.97	18.38	21.19	21.58	0.1439
41	30	50	504204	2521.02	CP-OFDM 256 QAM	1@131	18.3	18.42	21.37	21.76	0.1500
41	30	50	518598	2592.99	CP-OFDM QPSK	67@33	22.73	23.21	25.99	26.38	0.4342
41	30	50	518598	2592.99	CP-OFDM QPSK	1@1	22.52	23.19	25.88	26.27	0.4235
41	30	50	518598	2592.99	CP-OFDM QPSK	1@131	22.95	23.33	26.15	26.54	0.4513
41	30	50	518598	2592.99	CP-OFDM 16 QAM	67@33	22.29	22.76	25.54	25.93	0.3919
41	30	50	518598	2592.99	CP-OFDM 16 QAM	1@1	22.25	22.66	25.47	25.86	0.3855
41	30	50	518598	2592.99	CP-OFDM 16 QAM	1@131	22.69	22.76	25.74	26.13	0.4098
41	30	50	518598	2592.99	CP-OFDM 64 QAM	67@33	20.7	21.27	24.00	24.39	0.2751
41	30	50	518598	2592.99	CP-OFDM 64 QAM	1@1	20.6	20.99	23.81	24.20	0.2630
41	30	50	518598	2592.99	CP-OFDM 64 QAM	1@131	21.06	21.06	24.07	24.46	0.2793
41	30	50	518598	2592.99	CP-OFDM 256 QAM	67@33	17.73	18.2	20.98	21.37	0.1371

41	30	50	518598	2592.99	CP-OFDM 256 QAM	1@1	17.56	18.31	20.96	21.35	0.1365
41	30	50	518598	2592.99	CP-OFDM 256 QAM	1@131	17.97	18.35	21.17	21.56	0.1434
41	30	50	532998	2664.99	CP-OFDM QPSK	67@33	22.8	22.93	25.88	26.27	0.4232
41	30	50	532998	2664.99	CP-OFDM QPSK	1@1	22.58	22.8	25.70	26.09	0.4066
41	30	50	532998	2664.99	CP-OFDM QPSK	1@131	22.75	22.99	25.88	26.27	0.4238
41	30	50	532998	2664.99	CP-OFDM 16 QAM	67@33	22.33	22.36	25.36	25.75	0.3754
41	30	50	532998	2664.99	CP-OFDM 16 QAM	1@1	22.21	22.33	25.28	25.67	0.3690
41	30	50	532998	2664.99	CP-OFDM 16 QAM	1@131	22.39	22.45	25.43	25.82	0.3820
41	30	50	532998	2664.99	CP-OFDM 64 QAM	67@33	20.79	20.85	23.83	24.22	0.2643
41	30	50	532998	2664.99	CP-OFDM 64 QAM	1@1	20.78	20.5	23.65	24.04	0.2537
41	30	50	532998	2664.99	CP-OFDM 64 QAM	1@131	20.93	20.7	23.83	24.22	0.2640
41	30	50	532998	2664.99	CP-OFDM 256 QAM	67@33	17.81	17.81	20.82	21.21	0.1321
41	30	50	532998	2664.99	CP-OFDM 256 QAM	1@1	17.57	17.85	20.72	21.11	0.1292
41	30	50	532998	2664.99	CP-OFDM 256 QAM	1@131	17.69	18.01	20.86	21.25	0.1335
41	30	60	505200	2526	CP-OFDM QPSK	81@40	23.1	23.35	26.24	26.63	0.4599
41	30	60	505200	2526	CP-OFDM QPSK	1@1	22.91	23.36	26.15	26.54	0.4509
41	30	60	505200	2526	CP-OFDM QPSK	1@160	23.36	23.45	26.42	26.81	0.4792
41	30	60	505200	2526	CP-OFDM 16 QAM	81@40	22.61	22.9	25.77	26.16	0.4128
41	30	60	505200	2526	CP-OFDM 16 QAM	1@1	22.54	22.75	25.66	26.05	0.4024
41	30	60	505200	2526	CP-OFDM 16 QAM	1@160	22.88	22.83	25.87	26.26	0.4222
41	30	60	505200	2526	CP-OFDM 64 QAM	81@40	21.16	21.39	24.29	24.68	0.2936
41	30	60	505200	2526	CP-OFDM 64 QAM	1@1	21.03	21.26	24.16	24.55	0.2849
41	30	60	505200	2526	CP-OFDM 64 QAM	1@160	21.37	21.28	24.34	24.73	0.2969
41	30	60	505200	2526	CP-OFDM 256 QAM	81@40	18.19	18.39	21.30	21.69	0.1476
41	30	60	505200	2526	CP-OFDM 256 QAM	1@1	17.99	18.46	21.24	21.63	0.1456
41	30	60	505200	2526	CP-OFDM 256 QAM	1@160	18.27	18.54	21.42	21.81	0.1516
41	30	60	518598	2592.99	CP-OFDM QPSK	81@40	23.1	23.3	26.21	26.60	0.4572
41	30	60	518598	2592.99	CP-OFDM QPSK	1@1	23.11	23.31	26.22	26.61	0.4583
41	30	60	518598	2592.99	CP-OFDM QPSK	1@160	23.23	23.35	26.30	26.69	0.4667
41	30	60	518598	2592.99	CP-OFDM 16 QAM	81@40	22.18	22.83	25.53	25.92	0.3906
41	30	60	518598	2592.99	CP-OFDM 16 QAM	1@1	22.24	22.68	25.48	25.87	0.3860
41	30	60	518598	2592.99	CP-OFDM 16 QAM	1@160	22.55	22.74	25.66	26.05	0.4024
41	30	60	518598	2592.99	CP-OFDM 64 QAM	81@40	20.71	21.33	24.04	24.43	0.2774
41	30	60	518598	2592.99	CP-OFDM 64 QAM	1@1	20.69	21.16	23.94	24.33	0.2711

41	30	60	518598	2592.99	CP-OFDM 64 QAM	1@160	21.04	21.15	24.11	24.50	0.2816
41	30	60	518598	2592.99	CP-OFDM 256 QAM	81@40	17.76	18.32	21.06	21.45	0.1396
41	30	60	518598	2592.99	CP-OFDM 256 QAM	1@1	18.1	18.45	21.29	21.68	0.1472
41	30	60	518598	2592.99	CP-OFDM 256 QAM	1@160	17.9	18.49	21.22	21.61	0.1447
41	30	60	531996	2659.98	CP-OFDM QPSK	81@40	22.86	22.95	25.92	26.31	0.4271
41	30	60	531996	2659.98	CP-OFDM QPSK	1@1	22.62	22.9	25.77	26.16	0.4133
41	30	60	531996	2659.98	CP-OFDM QPSK	1@160	22.78	23.01	25.91	26.30	0.4263
41	30	60	531996	2659.98	CP-OFDM 16 QAM	81@40	22.32	22.5	25.42	25.81	0.3812
41	30	60	531996	2659.98	CP-OFDM 16 QAM	1@1	22.34	22.37	25.37	25.76	0.3763
41	30	60	531996	2659.98	CP-OFDM 16 QAM	1@160	22.5	22.58	25.55	25.94	0.3927
41	30	60	531996	2659.98	CP-OFDM 64 QAM	81@40	20.87	21	23.95	24.34	0.2714
41	30	60	531996	2659.98	CP-OFDM 64 QAM	1@1	20.8	20.58	23.70	24.09	0.2565
41	30	60	531996	2659.98	CP-OFDM 64 QAM	1@160	20.91	20.87	23.90	24.29	0.2686
41	30	60	531996	2659.98	CP-OFDM 256 QAM	81@40	17.9	17.98	20.95	21.34	0.1362
41	30	60	531996	2659.98	CP-OFDM 256 QAM	1@1	17.59	17.99	20.80	21.19	0.1317
41	30	60	531996	2659.98	CP-OFDM 256 QAM	1@160	17.75	18.26	21.02	21.41	0.1384
41	30	70	506202	2531.01	CP-OFDM QPSK	95@47	22.98	23.24	26.12	26.51	0.4479
41	30	70	506202	2531.01	CP-OFDM QPSK	1@1	22.87	23.2	26.05	26.44	0.4404
41	30	70	506202	2531.01	CP-OFDM QPSK	1@187	23.19	23.21	26.21	26.60	0.4571
41	30	70	506202	2531.01	CP-OFDM 16 QAM	95@47	22.54	22.79	25.68	26.07	0.4043
41	30	70	506202	2531.01	CP-OFDM 16 QAM	1@1	22.28	22.71	25.51	25.90	0.3891
41	30	70	506202	2531.01	CP-OFDM 16 QAM	1@187	22.52	22.65	25.60	25.99	0.3968
41	30	70	506202	2531.01	CP-OFDM 64 QAM	95@47	21.07	21.26	24.18	24.57	0.2862
41	30	70	506202	2531.01	CP-OFDM 64 QAM	1@1	20.97	20.94	23.97	24.36	0.2726
41	30	70	506202	2531.01	CP-OFDM 64 QAM	1@187	21.12	20.94	24.04	24.43	0.2774
41	30	70	506202	2531.01	CP-OFDM 256 QAM	95@47	18.04	18.24	21.15	21.54	0.1426
41	30	70	506202	2531.01	CP-OFDM 256 QAM	1@1	17.81	18.36	21.10	21.49	0.1411
41	30	70	506202	2531.01	CP-OFDM 256 QAM	1@187	18.04	18.26	21.16	21.55	0.1429
41	30	70	518598	2592.99	CP-OFDM QPSK	95@47	22.54	23.17	25.88	26.27	0.4233
41	30	70	518598	2592.99	CP-OFDM QPSK	1@1	22.51	23.18	25.87	26.26	0.4225
41	30	70	518598	2592.99	CP-OFDM QPSK	1@187	22.85	23.38	26.13	26.52	0.4491
41	30	70	518598	2592.99	CP-OFDM 16 QAM	95@47	22.08	22.69	25.41	25.80	0.3798
41	30	70	518598	2592.99	CP-OFDM 16 QAM	1@1	22.14	22.64	25.41	25.80	0.3800
41	30	70	518598	2592.99	CP-OFDM 16 QAM	1@187	22.5	22.68	25.60	25.99	0.3973



41	30	70	518598	2592.99	CP-OFDM 64 QAM	95@47	20.59	21.19	23.91	24.30	0.2692
41	30	70	518598	2592.99	CP-OFDM 64 QAM	1@1	20.57	21.06	23.83	24.22	0.2644
41	30	70	518598	2592.99	CP-OFDM 64 QAM	1@187	20.95	21.01	23.99	24.38	0.2742
41	30	70	518598	2592.99	CP-OFDM 256 QAM	95@47	17.58	18.15	20.88	21.27	0.1341
41	30	70	518598	2592.99	CP-OFDM 256 QAM	1@1	17.52	18.33	20.95	21.34	0.1363
41	30	70	518598	2592.99	CP-OFDM 256 QAM	1@187	17.88	18.17	21.04	21.43	0.1389
41	30	70	531000	2655	CP-OFDM QPSK	95@47	22.71	22.95	25.84	26.23	0.4199
41	30	70	531000	2655	CP-OFDM QPSK	1@1	22.5	22.8	25.66	26.05	0.4030
41	30	70	531000	2655	CP-OFDM QPSK	1@187	22.91	23.01	25.97	26.36	0.4326
41	30	70	531000	2655	CP-OFDM 16 QAM	95@47	22.14	22.41	25.29	25.68	0.3696
41	30	70	531000	2655	CP-OFDM 16 QAM	1@1	21.96	22.26	25.12	25.51	0.3559
41	30	70	531000	2655	CP-OFDM 16 QAM	1@187	22.3	22.44	25.38	25.77	0.3776
41	30	70	531000	2655	CP-OFDM 64 QAM	95@47	20.64	20.85	23.76	24.15	0.2598
41	30	70	531000	2655	CP-OFDM 64 QAM	1@1	20.63	20.56	23.61	24.00	0.2509
41	30	70	531000	2655	CP-OFDM 64 QAM	1@187	20.89	20.78	23.85	24.24	0.2652
41	30	70	531000	2655	CP-OFDM 256 QAM	95@47	17.7	17.88	20.80	21.19	0.1316
41	30	70	531000	2655	CP-OFDM 256 QAM	1@1	17.52	17.96	20.76	21.15	0.1302
41	30	70	531000	2655	CP-OFDM 256 QAM	1@187	17.78	18.01	20.91	21.30	0.1348
41	30	80	507204	2536.02	CP-OFDM QPSK	109@54	23.03	23.26	26.16	26.55	0.4515
41	30	80	507204	2536.02	CP-OFDM QPSK	1@1	22.78	23.19	26.00	26.39	0.4355
41	30	80	507204	2536.02	CP-OFDM QPSK	1@215	22.98	23.2	26.10	26.49	0.4458
41	30	80	507204	2536.02	CP-OFDM 16 QAM	109@54	22.49	22.77	25.64	26.03	0.4011
41	30	80	507204	2536.02	CP-OFDM 16 QAM	1@1	22.46	22.77	25.63	26.02	0.3998
41	30	80	507204	2536.02	CP-OFDM 16 QAM	1@215	22.64	22.71	25.69	26.08	0.4051
41	30	80	507204	2536.02	CP-OFDM 64 QAM	109@54	21.03	21.29	24.17	24.56	0.2859
41	30	80	507204	2536.02	CP-OFDM 64 QAM	1@1	21	20.99	24.01	24.40	0.2751
41	30	80	507204	2536.02	CP-OFDM 64 QAM	1@215	21.2	20.88	24.05	24.44	0.2782
41	30	80	507204	2536.02	CP-OFDM 256 QAM	109@54	18.05	18.32	21.20	21.59	0.1441
41	30	80	507204	2536.02	CP-OFDM 256 QAM	1@1	17.76	18.41	21.11	21.50	0.1412
41	30	80	507204	2536.02	CP-OFDM 256 QAM	1@215	17.92	18.25	21.10	21.49	0.1409
41	30	80	518598	2592.99	CP-OFDM QPSK	109@54	22.61	23.1	25.87	26.26	0.4229
41	30	80	518598	2592.99	CP-OFDM QPSK	1@1	22.49	23.1	25.82	26.21	0.4174
41	30	80	518598	2592.99	CP-OFDM QPSK	1@215	22.87	23.18	26.04	26.43	0.4393
41	30	80	518598	2592.99	CP-OFDM 16 QAM	109@54	22.07	22.72	25.42	25.81	0.3808

41	30	80	518598	2592.99	CP-OFDM 16 QAM	1@1	21.94	22.6	25.29	25.68	0.3701
41	30	80	518598	2592.99	CP-OFDM 16 QAM	1@215	22.28	22.69	25.50	25.89	0.3882
41	30	80	518598	2592.99	CP-OFDM 64 QAM	109@54	20.64	21.18	23.93	24.32	0.2703
41	30	80	518598	2592.99	CP-OFDM 64 QAM	1@1	20.59	20.92	23.77	24.16	0.2605
41	30	80	518598	2592.99	CP-OFDM 64 QAM	1@215	20.91	20.94	23.94	24.33	0.2707
41	30	80	518598	2592.99	CP-OFDM 256 QAM	109@54	17.58	18.23	20.93	21.32	0.1354
41	30	80	518598	2592.99	CP-OFDM 256 QAM	1@1	17.51	18.3	20.93	21.32	0.1356
41	30	80	518598	2592.99	CP-OFDM 256 QAM	1@215	17.79	18.26	21.04	21.43	0.1390
41	30	80	529998	2649.99	CP-OFDM QPSK	109@54	22.61	22.85	25.74	26.13	0.4104
41	30	80	529998	2649.99	CP-OFDM QPSK	1@1	22.44	22.82	25.64	26.03	0.4013
41	30	80	529998	2649.99	CP-OFDM QPSK	1@215	22.74	23.07	25.92	26.31	0.4274
41	30	80	529998	2649.99	CP-OFDM 16 QAM	109@54	22.16	22.4	25.29	25.68	0.3700
41	30	80	529998	2649.99	CP-OFDM 16 QAM	1@1	22.03	22.28	25.17	25.56	0.3595
41	30	80	529998	2649.99	CP-OFDM 16 QAM	1@215	22.36	22.47	25.43	25.82	0.3816
41	30	80	529998	2649.99	CP-OFDM 64 QAM	109@54	20.69	20.87	23.79	24.18	0.2619
41	30	80	529998	2649.99	CP-OFDM 64 QAM	1@1	20.51	20.66	23.60	23.99	0.2504
41	30	80	529998	2649.99	CP-OFDM 64 QAM	1@215	20.82	20.94	23.89	24.28	0.2680
41	30	80	529998	2649.99	CP-OFDM 256 QAM	109@54	17.66	17.9	20.79	21.18	0.1313
41	30	80	529998	2649.99	CP-OFDM 256 QAM	1@1	17.41	17.87	20.66	21.05	0.1272
41	30	80	529998	2649.99	CP-OFDM 256 QAM	1@215	17.74	18.09	20.93	21.32	0.1355
41	30	90	508200	2541	CP-OFDM QPSK	123@61	23.03	23.26	26.16	26.55	0.4515
41	30	90	508200	2541	CP-OFDM QPSK	1@1	22.84	23.2	26.03	26.42	0.4389
41	30	90	508200	2541	CP-OFDM QPSK	1@243	23.01	23.26	26.15	26.54	0.4505
41	30	90	508200	2541	CP-OFDM 16 QAM	123@61	22.5	22.84	25.68	26.07	0.4049
41	30	90	508200	2541	CP-OFDM 16 QAM	1@1	22.35	22.72	25.55	25.94	0.3926
41	30	90	508200	2541	CP-OFDM 16 QAM	1@243	22.55	22.79	25.68	26.07	0.4048
41	30	90	508200	2541	CP-OFDM 64 QAM	123@61	21.05	21.31	24.19	24.58	0.2872
41	30	90	508200	2541	CP-OFDM 64 QAM	1@1	21	20.97	24.00	24.39	0.2745
41	30	90	508200	2541	CP-OFDM 64 QAM	1@243	21.22	21.08	24.16	24.55	0.2852
41	30	90	508200	2541	CP-OFDM 256 QAM	123@61	18.03	18.3	21.18	21.57	0.1435
41	30	90	508200	2541	CP-OFDM 256 QAM	1@1	17.82	18.33	21.09	21.48	0.1407
41	30	90	508200	2541	CP-OFDM 256 QAM	1@243	17.97	18.34	21.17	21.56	0.1432
41	30	90	518598	2592.99	CP-OFDM QPSK	123@61	22.59	23.21	25.92	26.31	0.4277
41	30	90	518598	2592.99	CP-OFDM QPSK	1@1	22.54	23.19	25.89	26.28	0.4244

41	30	90	518598	2592.99	CP-OFDM QPSK	1@243	22.8	23.35	26.09	26.48	0.4450
41	30	90	518598	2592.99	CP-OFDM 16 QAM	123@61	22.08	22.77	25.45	25.84	0.3836
41	30	90	518598	2592.99	CP-OFDM 16 QAM	1@1	22.16	22.6	25.40	25.79	0.3790
41	30	90	518598	2592.99	CP-OFDM 16 QAM	1@243	22.47	22.79	25.64	26.03	0.4012
41	30	90	518598	2592.99	CP-OFDM 64 QAM	123@61	20.62	21.26	23.96	24.35	0.2724
41	30	90	518598	2592.99	CP-OFDM 64 QAM	1@1	20.48	21.13	23.83	24.22	0.2641
41	30	90	518598	2592.99	CP-OFDM 64 QAM	1@243	20.91	21.16	24.05	24.44	0.2778
41	30	90	518598	2592.99	CP-OFDM 256 QAM	123@61	18.01	18.21	21.12	21.51	0.1416
41	30	90	518598	2592.99	CP-OFDM 256 QAM	1@1	18.1	18.33	21.23	21.62	0.1451
41	30	90	518598	2592.99	CP-OFDM 256 QAM	1@243	18.21	18.4	21.32	21.71	0.1481
41	30	90	528996	2644.98	CP-OFDM QPSK	123@61	22.67	22.86	25.78	26.17	0.4137
41	30	90	528996	2644.98	CP-OFDM QPSK	1@1	22.37	22.86	25.63	26.02	0.4001
41	30	90	528996	2644.98	CP-OFDM QPSK	1@243	22.8	23.07	25.95	26.34	0.4303
41	30	90	528996	2644.98	CP-OFDM 16 QAM	123@61	22.17	22.42	25.31	25.70	0.3713
41	30	90	528996	2644.98	CP-OFDM 16 QAM	1@1	21.94	22.37	25.17	25.56	0.3598
41	30	90	528996	2644.98	CP-OFDM 16 QAM	1@243	22.35	22.59	25.48	25.87	0.3865
41	30	90	528996	2644.98	CP-OFDM 64 QAM	123@61	20.66	20.93	23.81	24.20	0.2629
41	30	90	528996	2644.98	CP-OFDM 64 QAM	1@1	20.54	20.65	23.61	24.00	0.2509
41	30	90	528996	2644.98	CP-OFDM 64 QAM	1@243	20.96	20.92	23.95	24.34	0.2717
41	30	90	528996	2644.98	CP-OFDM 256 QAM	123@61	17.68	17.9	20.80	21.19	0.1316
41	30	90	528996	2644.98	CP-OFDM 256 QAM	1@1	17.37	18.03	20.72	21.11	0.1292
41	30	90	528996	2644.98	CP-OFDM 256 QAM	1@243	17.79	18.18	21.00	21.39	0.1377
41	30	100	509202	2546.01	CP-OFDM QPSK	137@68	23.02	23.23	26.14	26.53	0.4494
41	30	100	509202	2546.01	CP-OFDM QPSK	1@1	22.83	23.21	26.03	26.42	0.4390
41	30	100	509202	2546.01	CP-OFDM QPSK	1@271	23.02	23.37	26.21	26.60	0.4570
41	30	100	509202	2546.01	CP-OFDM 16 QAM	137@68	22.61	22.79	25.71	26.10	0.4075
41	30	100	509202	2546.01	CP-OFDM 16 QAM	1@1	22.42	22.71	25.58	25.97	0.3952
41	30	100	509202	2546.01	CP-OFDM 16 QAM	1@271	22.58	22.8	25.70	26.09	0.4066
41	30	100	509202	2546.01	CP-OFDM 64 QAM	137@68	21.17	21.32	24.26	24.65	0.2915
41	30	100	509202	2546.01	CP-OFDM 64 QAM	1@1	21.05	21.01	24.04	24.43	0.2774
41	30	100	509202	2546.01	CP-OFDM 64 QAM	1@271	21.22	21.11	24.18	24.57	0.2861
41	30	100	509202	2546.01	CP-OFDM 256 QAM	137@68	18.1	18.32	21.22	21.61	0.1449
41	30	100	509202	2546.01	CP-OFDM 256 QAM	1@1	17.81	18.42	21.14	21.53	0.1421
41	30	100	509202	2546.01	CP-OFDM 256 QAM	1@271	18.05	18.43	21.25	21.64	0.1460

41	30	100	518598	2592.99	CP-OFDM QPSK	137@68	22.83	23.16	26.01	26.40	0.4364
41	30	100	518598	2592.99	CP-OFDM QPSK	1@1	22.88	23.24	26.07	26.46	0.4430
41	30	100	518598	2592.99	CP-OFDM QPSK	1@271	22.82	23.25	26.05	26.44	0.4406
41	30	100	518598	2592.99	CP-OFDM 16 QAM	137@68	22.19	22.65	25.44	25.83	0.3825
41	30	100	518598	2592.99	CP-OFDM 16 QAM	1@1	22.06	22.67	25.39	25.78	0.3781
41	30	100	518598	2592.99	CP-OFDM 16 QAM	1@271	22.53	22.8	25.68	26.07	0.4043
41	30	100	518598	2592.99	CP-OFDM 64 QAM	137@68	20.58	21.19	23.91	24.30	0.2689
41	30	100	518598	2592.99	CP-OFDM 64 QAM	1@1	20.65	20.91	23.79	24.18	0.2620
41	30	100	518598	2592.99	CP-OFDM 64 QAM	1@271	21.07	21.08	24.09	24.48	0.2802
41	30	100	518598	2592.99	CP-OFDM 256 QAM	137@68	17.59	18.19	20.91	21.30	0.1349
41	30	100	518598	2592.99	CP-OFDM 256 QAM	1@1	17.45	18.31	20.91	21.30	0.1349
41	30	100	518598	2592.99	CP-OFDM 256 QAM	1@271	17.88	18.34	21.13	21.52	0.1418
41	30	100	528000	2640	CP-OFDM QPSK	137@68	22.71	22.97	25.85	26.24	0.4209
41	30	100	528000	2640	CP-OFDM QPSK	1@1	22.29	22.8	25.56	25.95	0.3938
41	30	100	528000	2640	CP-OFDM QPSK	1@271	22.8	23.05	25.94	26.33	0.4292
41	30	100	528000	2640	CP-OFDM 16 QAM	137@68	22.24	22.48	25.37	25.76	0.3769
41	30	100	528000	2640	CP-OFDM 16 QAM	1@1	21.83	22.24	25.05	25.44	0.3500
41	30	100	528000	2640	CP-OFDM 16 QAM	1@271	22.36	22.64	25.51	25.90	0.3893
41	30	100	528000	2640	CP-OFDM 64 QAM	137@68	20.76	21	23.89	24.28	0.2680
41	30	100	528000	2640	CP-OFDM 64 QAM	1@1	20.46	20.56	23.52	23.91	0.2461
41	30	100	528000	2640	CP-OFDM 64 QAM	1@271	21	20.92	23.97	24.36	0.2729
41	30	100	528000	2640	CP-OFDM 256 QAM	137@68	17.63	18	20.83	21.22	0.1324
41	30	100	528000	2640	CP-OFDM 256 QAM	1@1	17.25	17.89	20.59	20.98	0.1254
41	30	100	528000	2640	CP-OFDM 256 QAM	1@271	17.79	18.28	21.05	21.44	0.1394

# FR1 N41 MIMO-ANT1

## Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.00497	PASS	NV
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.00401	PASS	LV
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.00458	PASS	HV
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.00241	PASS	-30°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.00572	PASS	-20°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.00041	PASS	-10°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.00231	PASS	0°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.00385	PASS	10°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.00042	PASS	20°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.00487	PASS	30°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.00321	PASS	40°C
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	0.00396	PASS	50°C

## Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	30	20	501204	2506.02	CP-OFDM QPSK	51@0	9.9	13	PASS
41	30	20	501204	2506.02	CP-OFDM QPSK	1@0	10.01	13	PASS
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	9.86	13	PASS
41	30	20	518598	2592.99	CP-OFDM QPSK	1@0	10.08	13	PASS
41	30	20	535998	2679.99	CP-OFDM QPSK	51@0	9.82	13	PASS
41	30	20	535998	2679.99	CP-OFDM QPSK	1@0	10.02	13	PASS

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



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



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



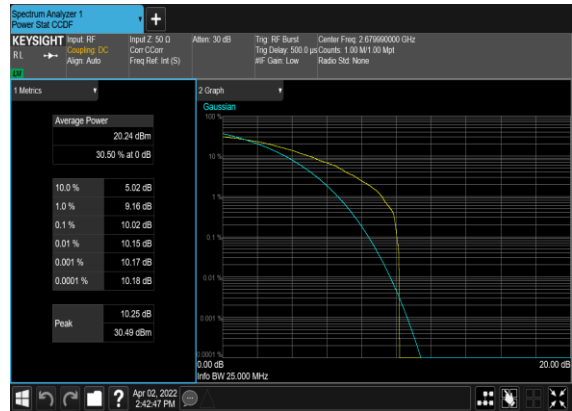
N41(20M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



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



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



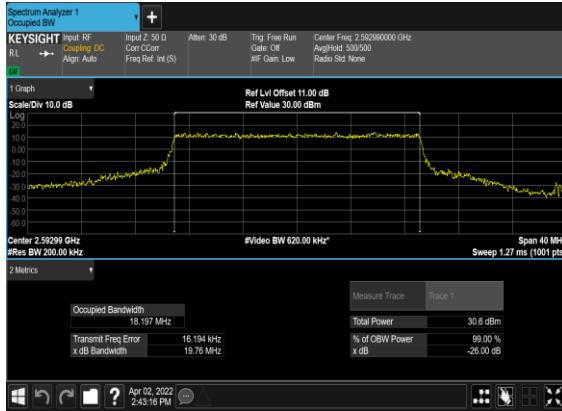
## Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	18.197	19.76
41	30	20	518598	2592.99	CP-OFDM 16 QAM	51@0	18.205	19.83
41	30	20	518598	2592.99	CP-OFDM 64 QAM	51@0	18.234	19.75
41	30	20	518598	2592.99	CP-OFDM 256 QAM	51@0	18.208	19.5
41	30	30	518598	2592.99	CP-OFDM QPSK	78@0	27.862	29.39
41	30	30	518598	2592.99	CP-OFDM 16 QAM	78@0	27.847	29.18
41	30	30	518598	2592.99	CP-OFDM 64 QAM	78@0	27.864	29.45
41	30	30	518598	2592.99	CP-OFDM 256 QAM	78@0	27.876	29.5
41	30	40	518598	2592.99	CP-OFDM QPSK	106@0	37.845	39.69
41	30	40	518598	2592.99	CP-OFDM 16 QAM	106@0	37.919	39.44
41	30	40	518598	2592.99	CP-OFDM 64 QAM	106@0	37.859	39.8
41	30	40	518598	2592.99	CP-OFDM 256 QAM	106@0	37.876	39.67
41	30	50	518598	2592.99	CP-OFDM QPSK	133@0	47.482	49.72
41	30	50	518598	2592.99	CP-OFDM 16 QAM	133@0	47.523	49.66
41	30	50	518598	2592.99	CP-OFDM 64 QAM	133@0	47.503	49.7
41	30	50	518598	2592.99	CP-OFDM 256 QAM	133@0	47.487	49.55
41	30	60	518598	2592.99	CP-OFDM QPSK	162@0	57.78	60.16
41	30	60	518598	2592.99	CP-OFDM 16 QAM	162@0	57.862	60.09
41	30	60	518598	2592.99	CP-OFDM 64 QAM	162@0	57.835	60.13
41	30	60	518598	2592.99	CP-OFDM 256 QAM	162@0	57.927	60.28
41	30	70	518598	2592.99	CP-OFDM QPSK	189@0	67.44	69.81
41	30	70	518598	2592.99	CP-OFDM 16 QAM	189@0	67.433	69.91
41	30	70	518598	2592.99	CP-OFDM 64 QAM	189@0	67.485	69.63
41	30	70	518598	2592.99	CP-OFDM 256 QAM	189@0	67.491	69.57
41	30	80	518598	2592.99	CP-OFDM QPSK	217@0	77.374	80.11

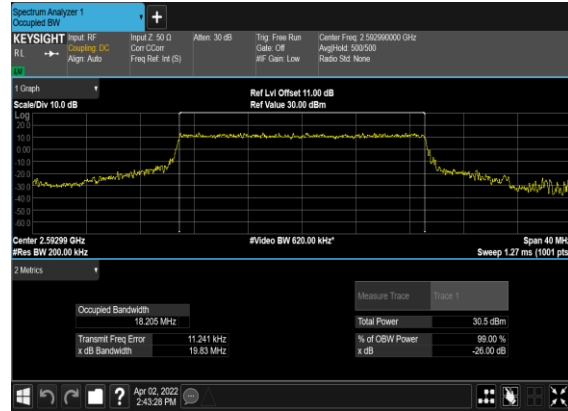


41	30	80	518598	2592.99	CP-OFDM 16 QAM	217@0	77.557	80.08
41	30	80	518598	2592.99	CP-OFDM 64 QAM	217@0	77.487	80.02
41	30	80	518598	2592.99	CP-OFDM 256 QAM	217@0	77.469	80.22
41	30	90	518598	2592.99	CP-OFDM QPSK	245@0	87.402	90.58
41	30	90	518598	2592.99	CP-OFDM 16 QAM	245@0	87.431	90.2
41	30	90	518598	2592.99	CP-OFDM 64 QAM	245@0	87.669	90.42
41	30	90	518598	2592.99	CP-OFDM 256 QAM	245@0	87.753	90.33
41	30	100	518598	2592.99	CP-OFDM QPSK	273@0	97.566	100.6
41	30	100	518598	2592.99	CP-OFDM 16 QAM	273@0	97.475	100.6
41	30	100	518598	2592.99	CP-OFDM 64 QAM	273@0	97.433	100.8
41	30	100	518598	2592.99	CP-OFDM 256 QAM	273@0	97.591	100.5

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



### N41(20M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



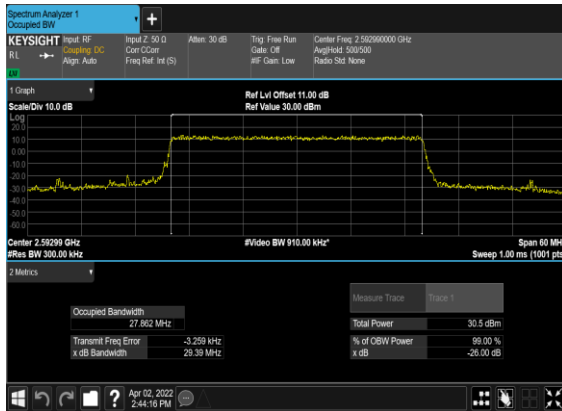
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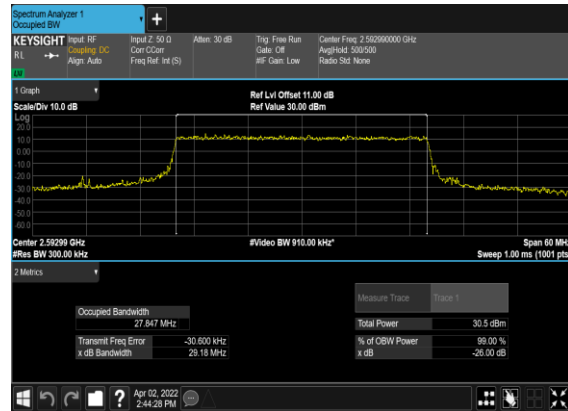
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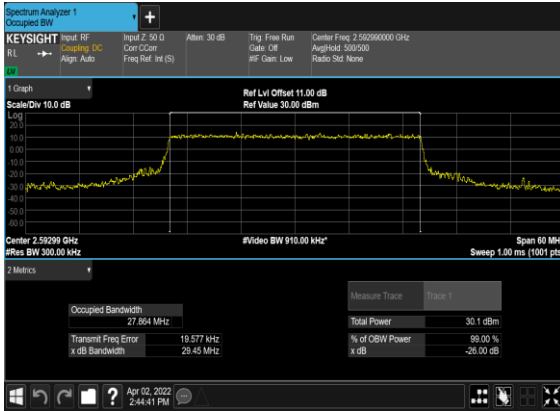
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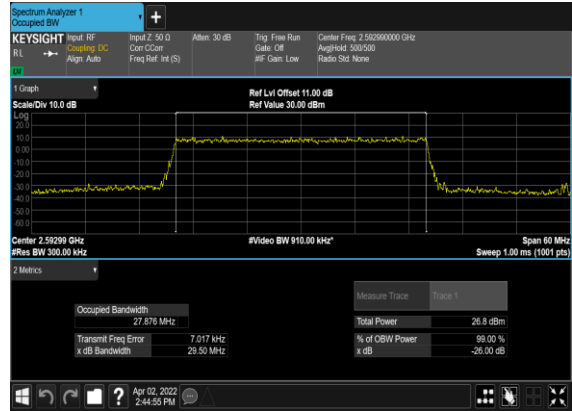
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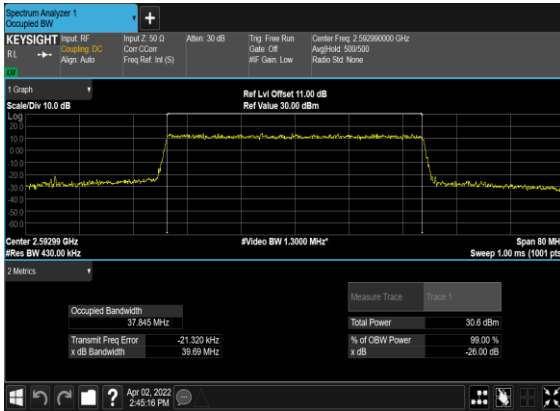
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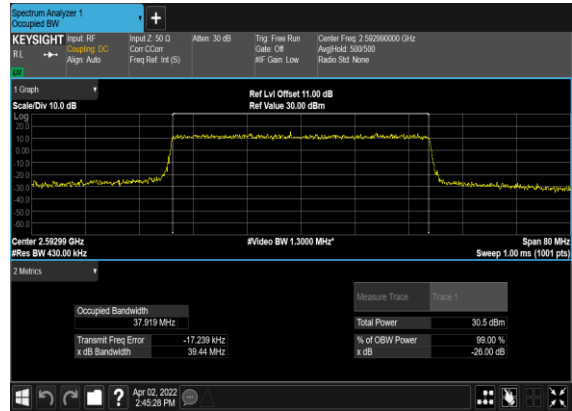
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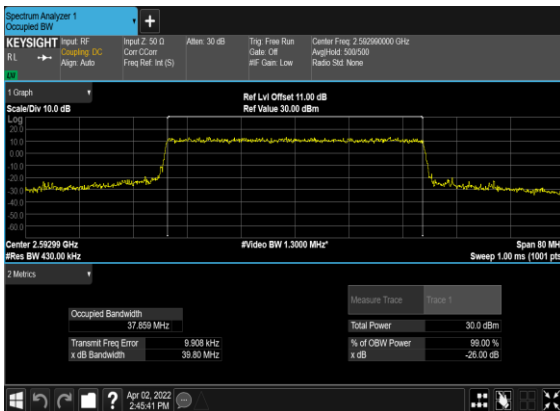
### N41(40M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



### N41(40M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



### N41(40M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



### N41(40M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH

