

Keysight Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input RF: Input Z: 50 Ω, Port CCoer, Freq Ref: Int (S), #Adbm: 30 dB, PHO Fast Gate: Off, IF Gain: Low, Sig Track: Off, Avg Type: Power (RMS), Averaging: 100/100, Trig: Free Run, A W W W W W, A N N N N N

1 Spectrum
Scale/Div 10 dB
Log
30.0
20.0
10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
-100.0
Start 30 MHz
#Res 150.0 MHz
Video BW 3.0 MHz*
Stop 20.00 GHz
Sweep 24.7 ms (400001 pts)

Ref Lvl Offset: 15.59 dBm
Ref Level: 30.00 dBm

Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	f	2.4068 GHz	21.30 dBm			
2	N	f	2.7711 GHz	-39.01 dBm			
3							
4							
5							
6							

[illegible]

Keysight Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input RF: 3.850 GHz
 R T → Creating DC
 Align: Auto

Input Z: 50 Ω
 Corr: CCOR
 Freq Ref: Int (S)

Att: 30 dB
 PNO: Fast
 Gate: Off
 S: Gain: Low
 Sig Track: Off

Avg Type: Power (RMS)
 A: 1 2 3 4 5 6
 W: W W W W W W
 Trg: Free Run
 A: N N N N N N

1 Spectrum
 Scale/Div: 10 dB
 Log
 30.0
 20.0
 10.0
 0.0
 -10.0
 -20.0
 -30.0
 -40.0
 -50.0
 -60.0
 -70.0
 -80.0
 -90.0
 -100.0

Ref Lvl Offset: 15.59 dB
 Ref Level: 30.00 dBm

Mkr2: 3.850 GHz
 -39.034 dBm

Start: 30 MHz
 #Res: BW 1.0 MHz

Video BW: 3.0 MHz

Stop: 2000 MHz
 Sweep: 24.7 ms (40001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.4068 GHz	19.33 dBm		
2	N	1	f	3.8502 GHz	-39.03 dBm		
3							
4							
5							
6							

Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input: RF, Output: DC, Acq: Auto, Span: 30 dB, PNO: First, Gate: Off, IF: 500 kHz, Avg Type: Power (RMS), Avg Hold: 100/100, Sig Track: Off

R T → Input Z: 50 Ω, Span: 30 dB, PNO: First, Gate: Off, IF: 500 kHz, Avg Type: Power (RMS), Avg Hold: 100/100, Sig Track: Off

1 Spectrum
Scale/Div 10 dB
Log
Start 20.000 GHz
#Res BW 1.0 MHz
Video BW 3.0 MHz
Stop 26.000 GHz
Sweep 13.3 ms (40001 pt)

Mkr1 26.27710 GHz
-36.071 dBm

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	F	26.27710 GHz	-36.07 dBm			
2							
3							
4							
5							
6							

Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input RF: **Impedance** **DC** **Cal** **Auto**
 R T **→** **Align** **Auto**
 Input 2: 50.0
 Corr C/Corr
 Freq Ref: Int (S)

dBm: 30 dB
 PNO: Fast
 Gate: Off
 A/Hold: 100/100
 IF Gain: Low
 Sig Track: Off

Avg Type: Power (RMS)
 Trng: Free Run

1 2 3 4 5 6
 A W W W W W
 A N N N N N

1 Spectrum
 Scale/Div 10 dB
 Log
 0
 -10
 -20
 -30
 -40
 -50
 -60
 -70
 -80
 -90
 -100

Ref Lvl Offset 15.59 dB
 Ref Level 30.00 dBm

Mkr2 3.014 GHz
 -38.955 dBm

Start 50 MHz
 Span 50 MHz
 Video BW 3.0 MHz

Stop 200.0 MHz
 Ssamp 34.7 ms (40001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.5837 GHz	22.10 dBm		
2	N	1	f	3.014 GHz	-38.96 dBm		
3							
4							
5							
6							

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Spectrum Analyzer 1
Sweet SA

KEYSIGHT Input RF
R T →→→
Align Auto

Input 2: 50 D
Core CClear
Freq Ref: Int (S)

Attenu 30 dB

PNO Fast
Gate: Off
IF Cam: Low
Sig Track: Off

Avg Type: Power (RMS)
Aughold: 100/100
Trig: Free Run

1 2 3 4 5 6
A H W W W W
A H N N N N

1 Spectrum
Scale/Div 10 dB
Log
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100

Start 20.000 GHz
Res BW 1.0 MHz

Ref Lvl Offset 15.59 dB
Ref Level 30.00 dBm

Video BW 3.0 MHz

Stop 26.000 GHz
Sweep 13.3 ms (40001 pts)

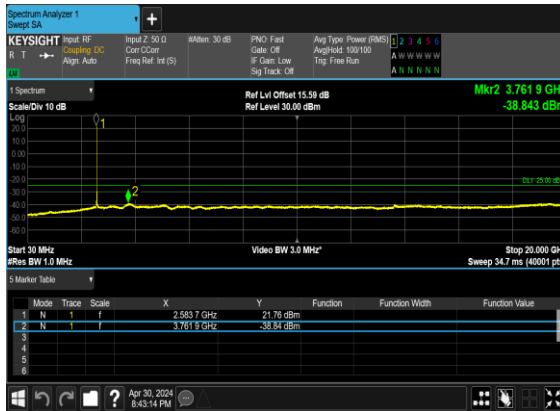
26.246 GHz
-35.98 dBm

6 Marker Table

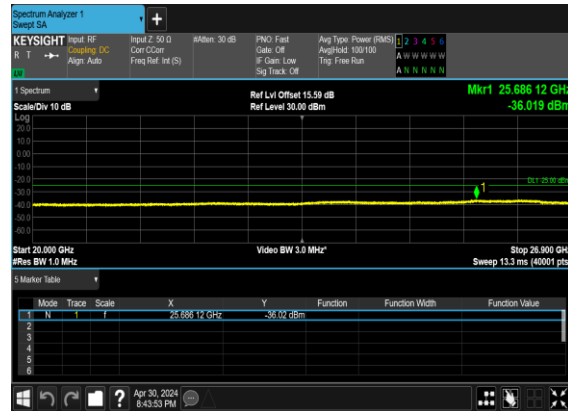
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	F	26.246 05 GHz	-35.98 dBm		
2							
3							
4							
5							
6							

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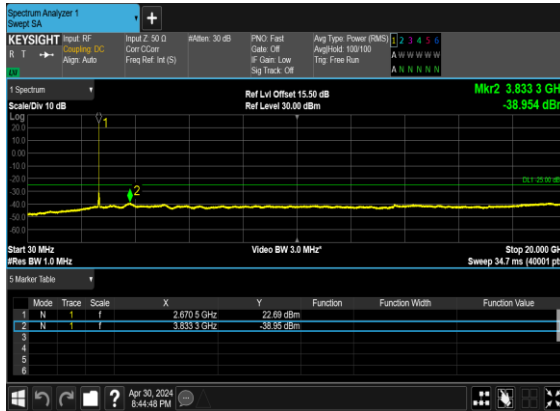
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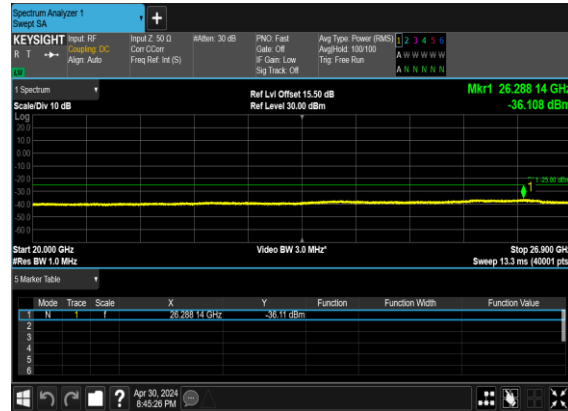
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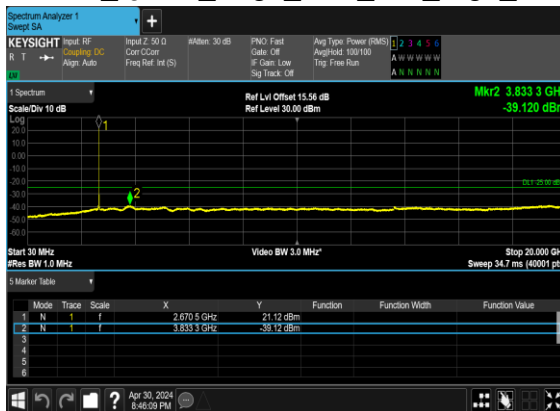
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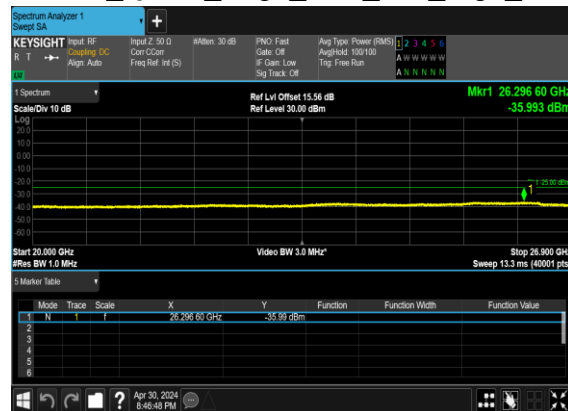
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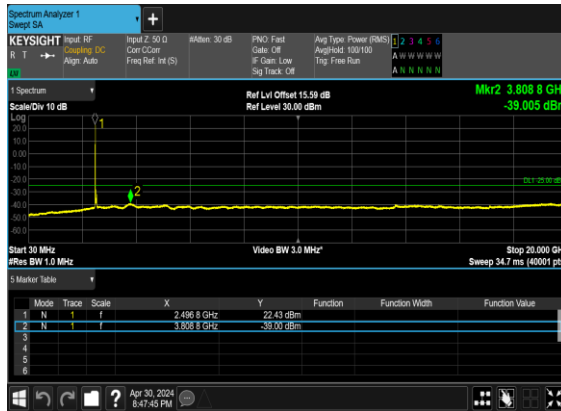
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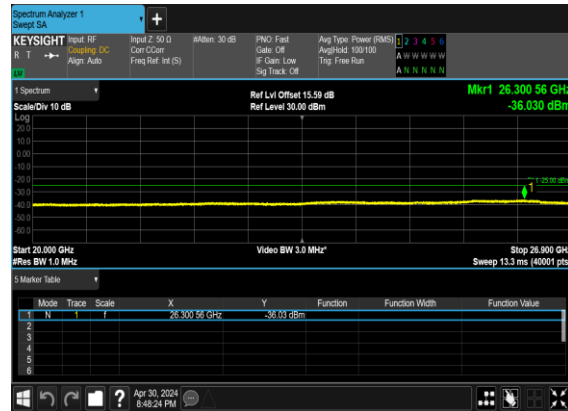
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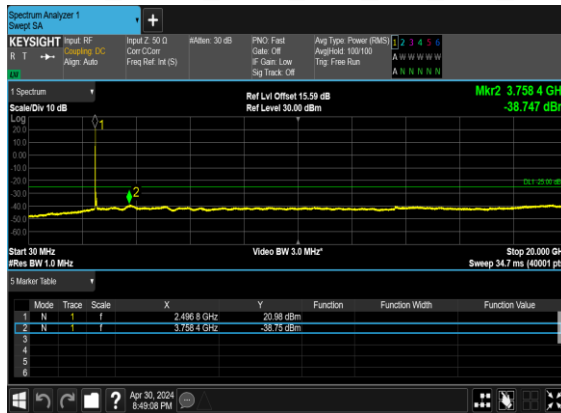
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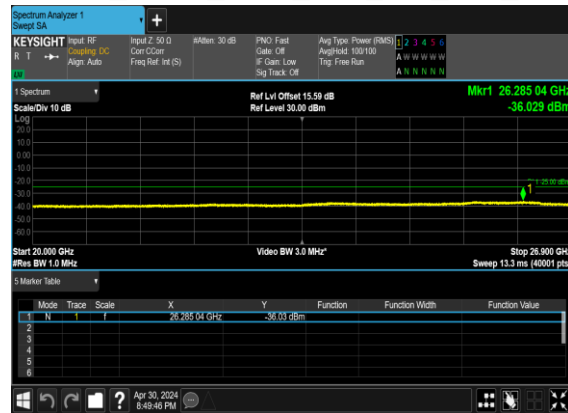
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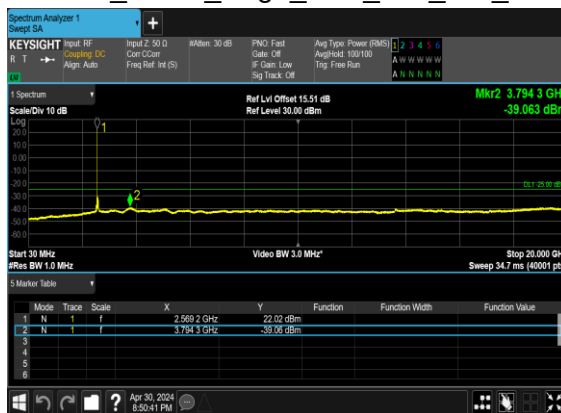
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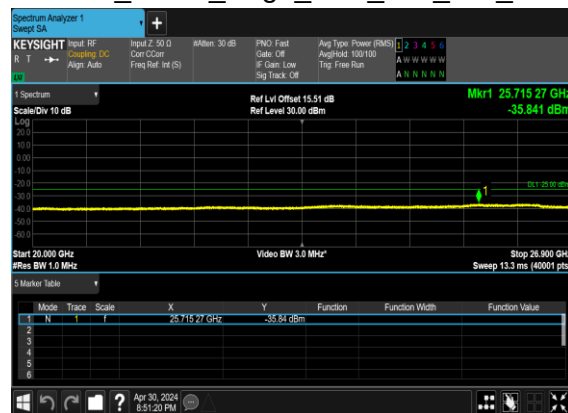
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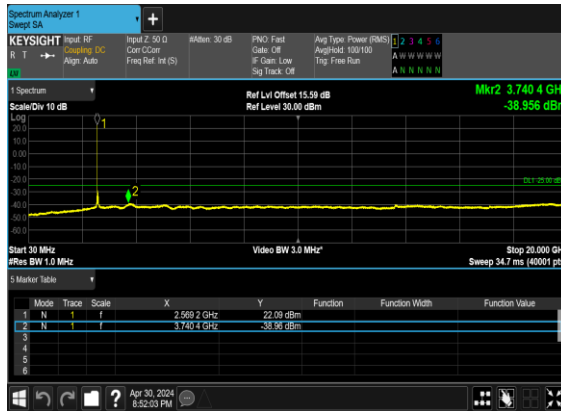
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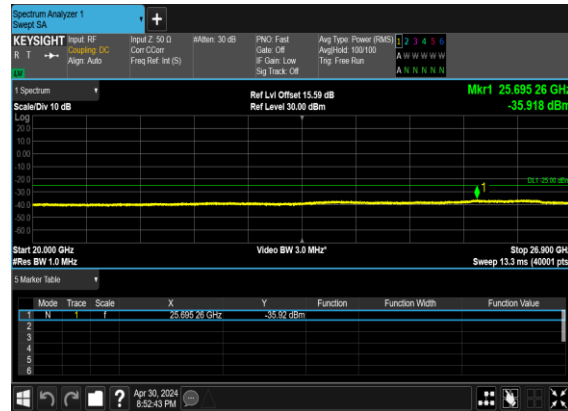
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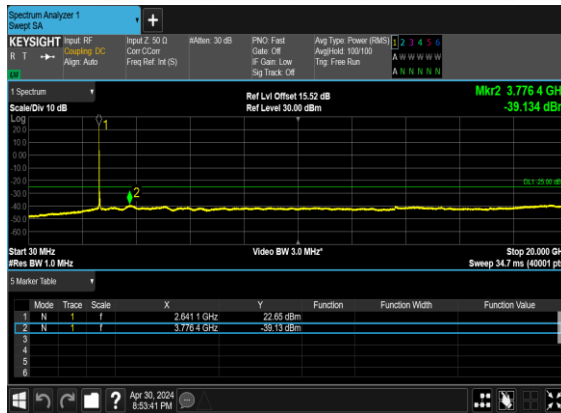
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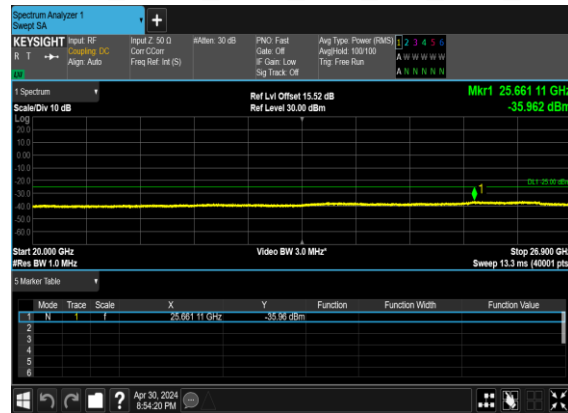
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B2_N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



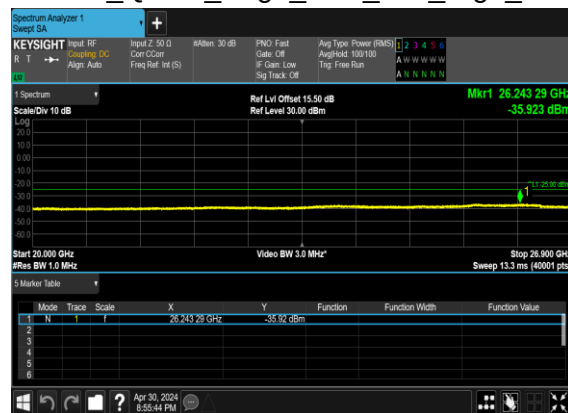
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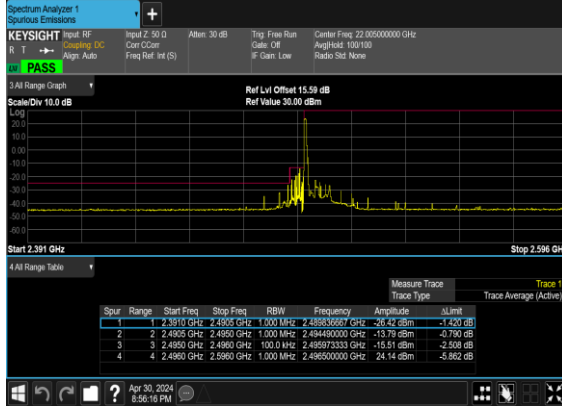
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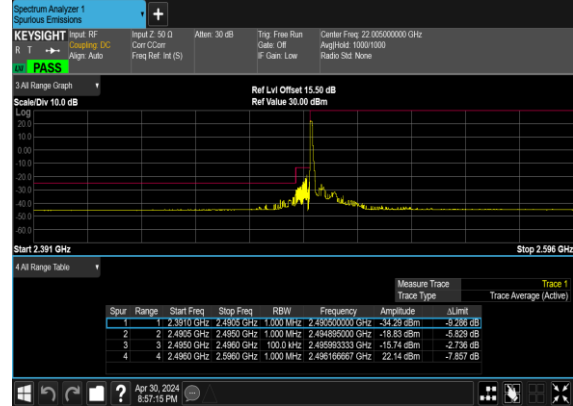
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	15	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	10	500202	2501.01	DFT-s-OFDM BPSK	50@0	see graph	PASS
41	15	10	500202	2501.01	DFT-s-OFDM QPSK	50@0	see graph	PASS
41	15	10	537000	2685.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
41	15	10	537000	2685.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
41	15	10	537000	2685.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
41	15	10	537000	2685.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
41	15	20	501201	2506.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	20	501201	2506.005	DFT-s-OFDM BPSK	100@0	see graph	PASS
41	15	20	501201	2506.005	DFT-s-OFDM QPSK	100@0	see graph	PASS
41	15	20	535998	2679.99	DFT-s-OFDM BPSK	1@105	see graph	PASS
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	1@105	see graph	PASS
41	15	20	535998	2679.99	DFT-s-OFDM BPSK	100@0	see graph	PASS
41	15	20	535998	2679.99	DFT-s-OFDM QPSK	100@0	see graph	PASS
41	15	50	504201	2521.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	15	50	504201	2521.005	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	15	50	504201	2521.005	DFT-s-OFDM QPSK	270@0	see graph	PASS
41	15	50	532998	2664.99	DFT-s-OFDM BPSK	1@269	see graph	PASS
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	1@269	see graph	PASS
41	15	50	532998	2664.99	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	15	50	532998	2664.99	DFT-s-OFDM QPSK	270@0	see graph	PASS

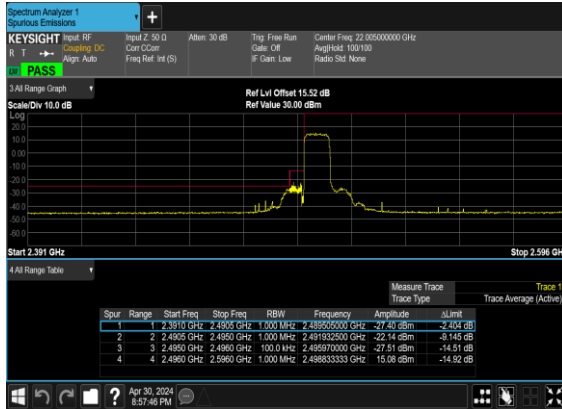
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OFDM_BPSK_Edge_1RB_Left_Low_CH



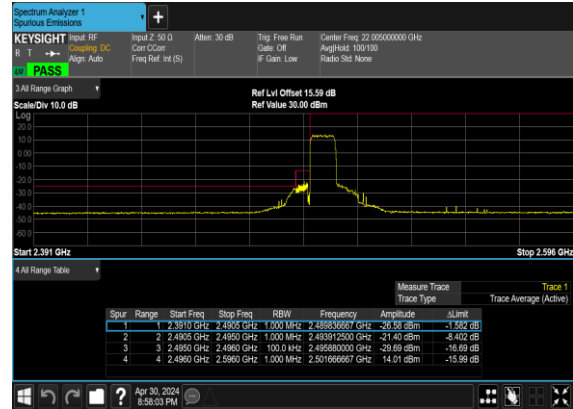
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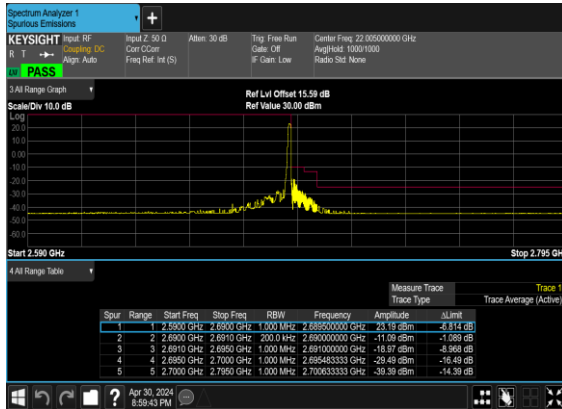
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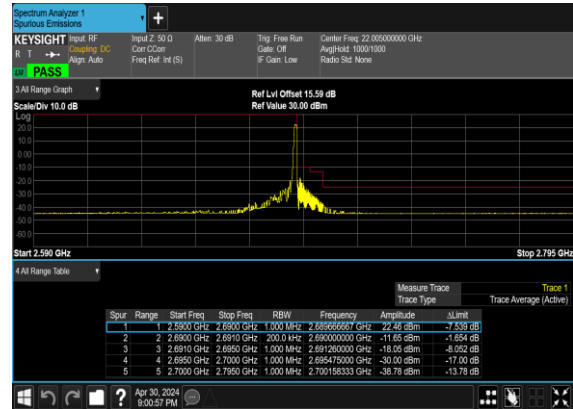
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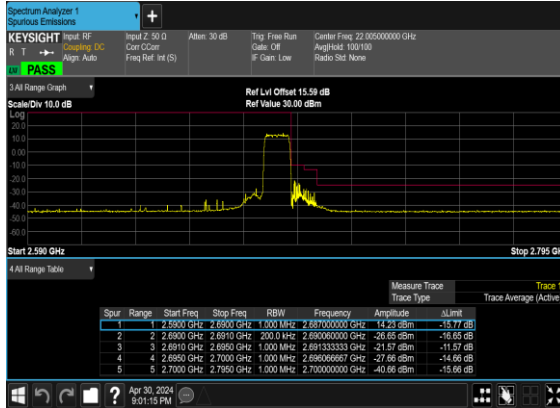
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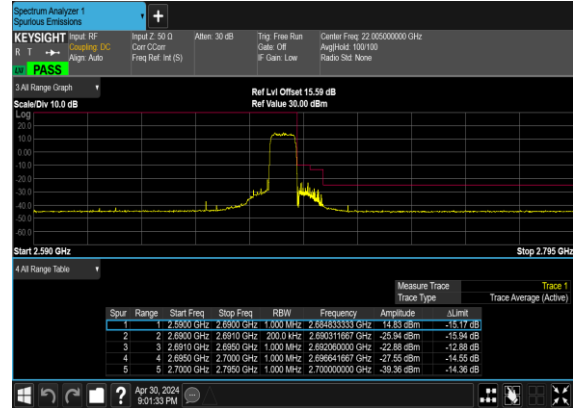
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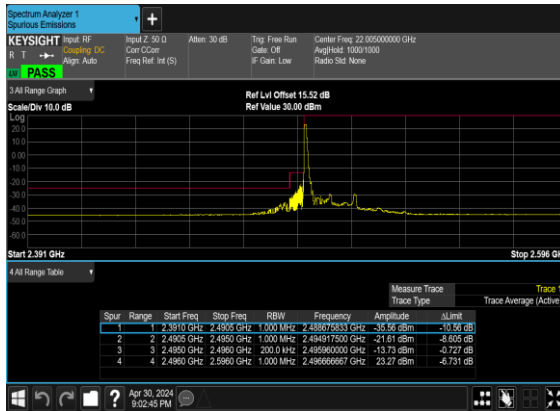
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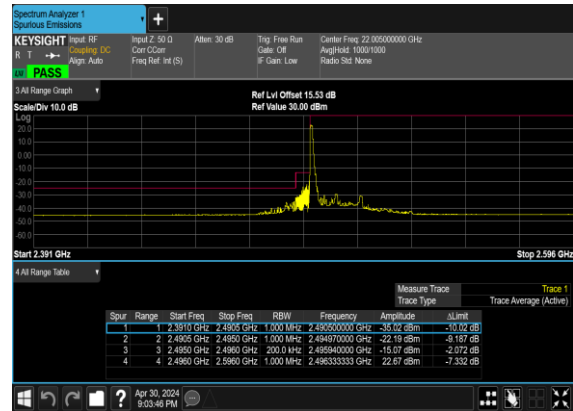
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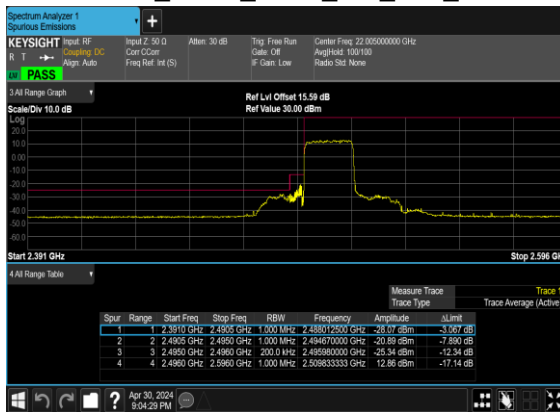
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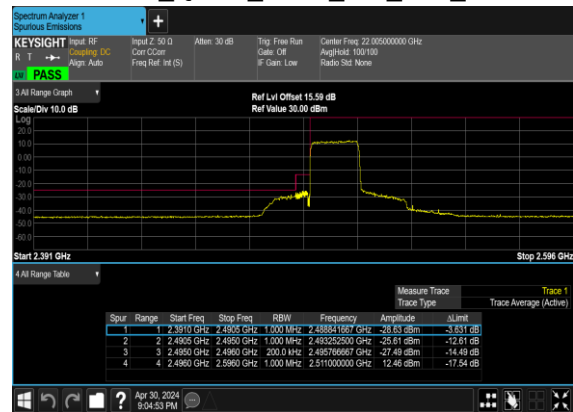
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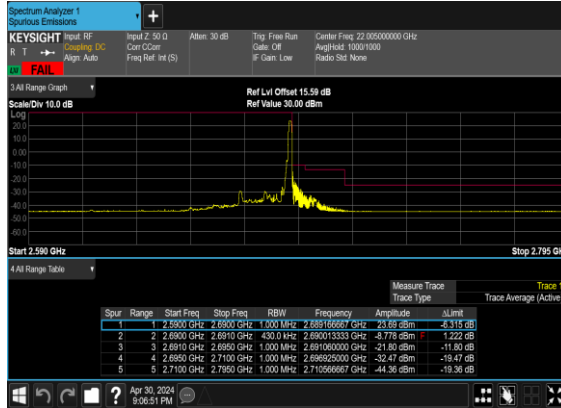
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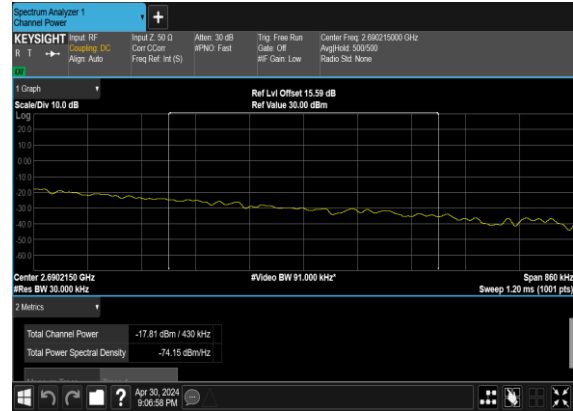
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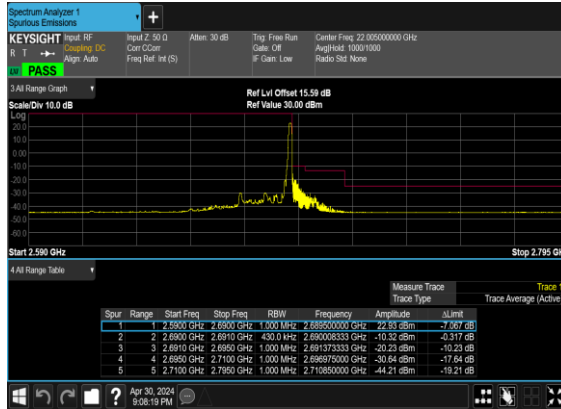
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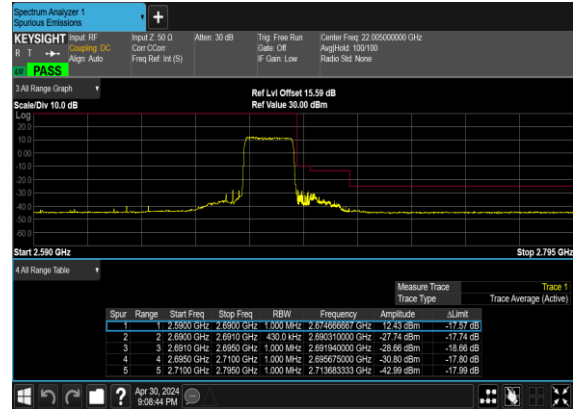
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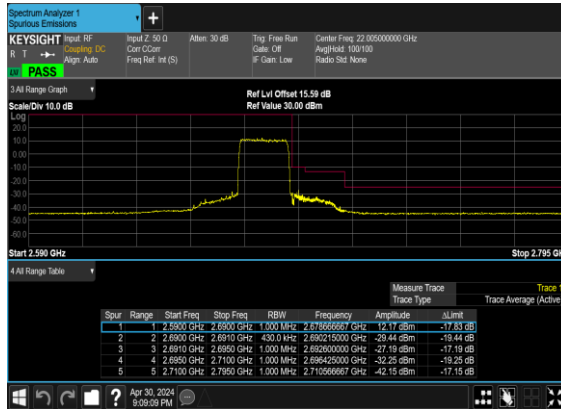
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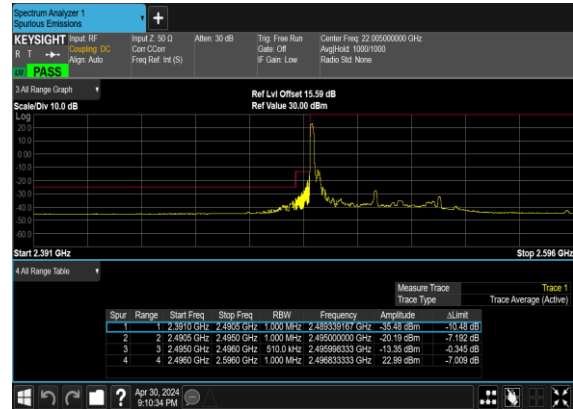
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B2_N41(20M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



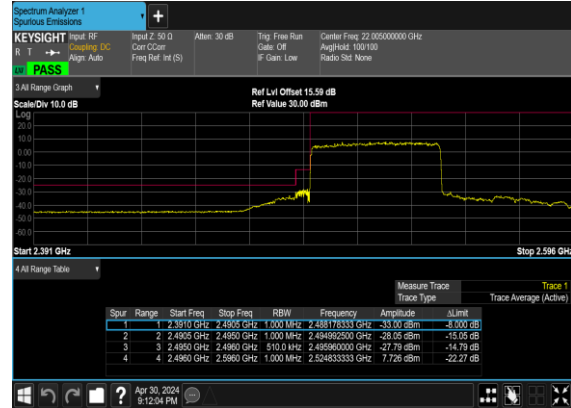
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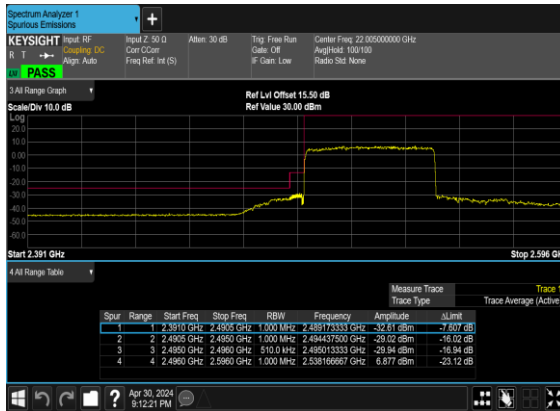
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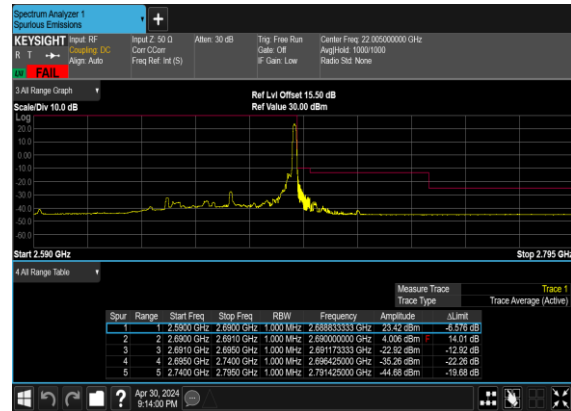
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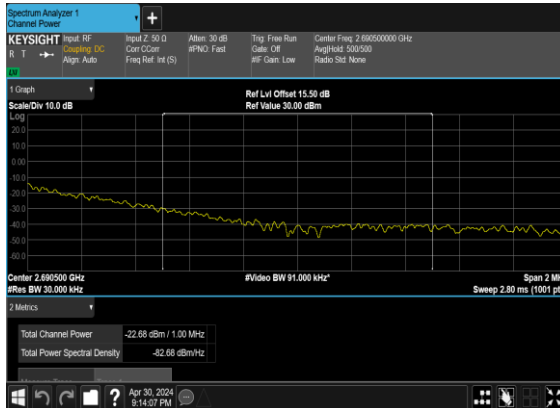
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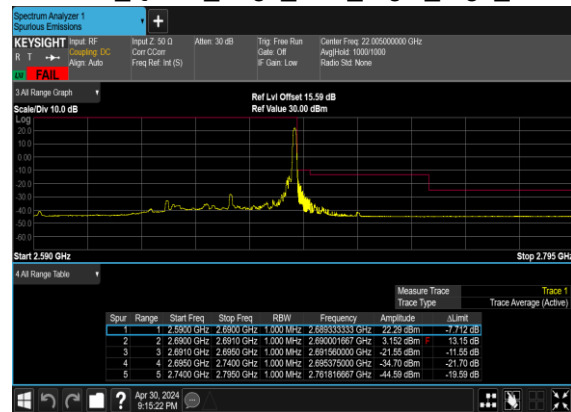
B2_N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



B2_N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_chp
_PASS



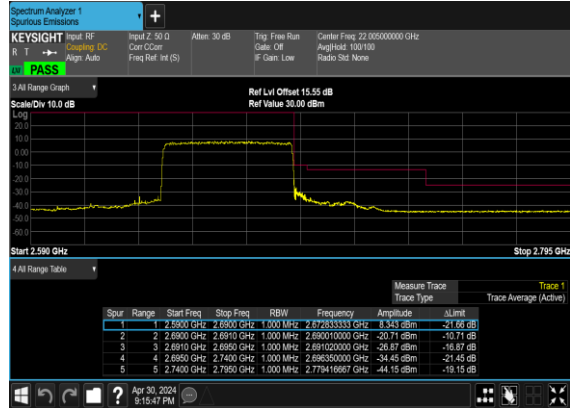
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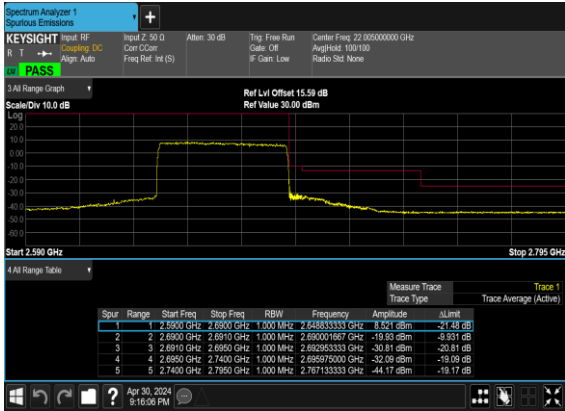
B2_N41(50M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



B2_N41(50M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



B2_N41(50M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



FR1 ENDC_2A_n41A(other PA)-SCS 30k

LTE Band: 2, LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=3dBi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@1	23.6	26.6	0.4571
41	30	10	500202	2501.01	DFT-s-OFDM 16 QAM	1@1	22.46	25.46	0.3516
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@1	23.43	26.43	0.4395
41	30	10	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	22.39	25.39	0.3459
41	30	10	537000	2685	DFT-s-OFDM QPSK	1@1	23.31	26.31	0.4276
41	30	10	537000	2685	DFT-s-OFDM 16 QAM	1@1	22.3	25.3	0.3388
41	30	15	500700	2503.5	DFT-s-OFDM QPSK	1@1	23.56	26.56	0.4529
41	30	15	500700	2503.5	DFT-s-OFDM 16 QAM	1@1	22.49	25.49	0.3540
41	30	15	518598	2592.99	DFT-s-OFDM QPSK	1@1	23.45	26.45	0.4416
41	30	15	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	22.44	25.44	0.3499
41	30	15	536496	2682.48	DFT-s-OFDM QPSK	1@1	23.21	26.21	0.4178
41	30	15	536496	2682.48	DFT-s-OFDM 16 QAM	1@1	22.16	25.16	0.3281
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@1	23.54	26.54	0.4508
41	30	20	501204	2506.02	DFT-s-OFDM 16 QAM	1@1	22.43	25.43	0.3491
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@1	23.43	26.43	0.4395
41	30	20	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	22.46	25.46	0.3516
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@1	23.15	26.15	0.4121
41	30	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@1	22.11	25.11	0.3243
41	30	30	502200	2511	DFT-s-OFDM QPSK	1@1	23.43	26.43	0.4395
41	30	30	502200	2511	DFT-s-OFDM 16 QAM	1@1	22.37	25.37	0.3443
41	30	30	518598	2592.99	DFT-s-OFDM QPSK	1@1	23.43	26.43	0.4395
41	30	30	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	22.41	25.41	0.3475
41	30	30	534996	2674.98	DFT-s-OFDM QPSK	1@1	23.12	26.12	0.4093
41	30	30	534996	2674.98	DFT-s-OFDM 16 QAM	1@1	22.09	25.09	0.3228
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	1@1	23.24	26.24	0.4207
41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@1	22.24	25.24	0.3342
41	30	40	518598	2592.99	DFT-s-OFDM QPSK	1@1	23.2	26.2	0.4169
41	30	40	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	22.21	25.21	0.3319
41	30	40	534000	2670	DFT-s-OFDM QPSK	1@1	22.99	25.99	0.3972
41	30	40	534000	2670	DFT-s-OFDM 16 QAM	1@1	21.98	24.98	0.3148
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@1	23.49	26.49	0.4457
41	30	50	504204	2521.02	DFT-s-OFDM 16 QAM	1@1	22.46	25.46	0.3516
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@1	23.54	26.54	0.4508
41	30	50	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	22.53	25.53	0.3573
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@1	23.28	26.28	0.4246

41	30	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@1	22.27	25.27	0.3365
41	30	60	505200	2526	DFT-s-OFDM QPSK	1@1	23.52	26.52	0.4487
41	30	60	505200	2526	DFT-s-OFDM 16 QAM	1@1	22.52	25.52	0.3565
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@1	23.6	26.6	0.4571
41	30	60	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	22.56	25.56	0.3597
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@1	23.32	26.32	0.4285
41	30	60	531996	2659.98	DFT-s-OFDM 16 QAM	1@1	22.36	25.36	0.3436
41	30	70	505200	2531.01	DFT-s-OFDM QPSK	1@1	23.26	26.26	0.4227
41	30	70	505200	2531.01	DFT-s-OFDM 16 QAM	1@1	22.41	25.41	0.3475
41	30	70	518598	2592.99	DFT-s-OFDM QPSK	1@1	23.33	26.33	0.4295
41	30	70	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	22.48	25.48	0.3532
41	30	70	531996	2655	DFT-s-OFDM QPSK	1@1	23.16	26.16	0.4130
41	30	70	531996	2655	DFT-s-OFDM 16 QAM	1@1	22.27	25.27	0.3365
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@1	23.41	26.41	0.4375
41	30	80	507204	2536.02	DFT-s-OFDM 16 QAM	1@1	22.37	25.37	0.3443
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	1@1	23.47	26.47	0.4436
41	30	80	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	22.45	25.45	0.3508
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@1	23.26	26.26	0.4227
41	30	80	529998	2649.99	DFT-s-OFDM 16 QAM	1@1	22.24	25.24	0.3342
41	30	90	508200	2541	DFT-s-OFDM QPSK	1@1	23.28	26.28	0.4246
41	30	90	508200	2541	DFT-s-OFDM 16 QAM	1@1	22.32	25.32	0.3404
41	30	90	518598	2592.99	DFT-s-OFDM QPSK	1@1	23.38	26.38	0.4345
41	30	90	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	22.43	25.43	0.3491
41	30	90	528996	2644.98	DFT-s-OFDM QPSK	1@1	22.99	25.99	0.3972
41	30	90	528996	2644.98	DFT-s-OFDM 16 QAM	1@1	22.07	25.07	0.3214
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	135@67	23.73	26.73	0.4710
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	1@1	23.06	26.06	0.4036
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	1@271	23.01	26.01	0.3990
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	135@67	23.75	26.75	0.4732
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@1	23.26	26.26	0.4227
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@271	23.15	26.15	0.4121
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	135@67	22.75	25.75	0.3758
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@1	21.98	24.98	0.3148
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@271	21.88	24.88	0.3076
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	135@67	21.24	24.24	0.2655
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@1	20.69	23.69	0.2339
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@271	20.6	23.6	0.2291
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	135@67	19.25	22.25	0.1679
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@1	18.86	21.86	0.1535
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@271	18.74	21.74	0.1493
41	30	100	509202	2546.01	CP-OFDM QPSK	137@68	22.21	25.21	0.3319
41	30	100	509202	2546.01	CP-OFDM QPSK	1@1	21.62	24.62	0.2897
41	30	100	509202	2546.01	CP-OFDM QPSK	1@271	21.54	24.54	0.2844
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	135@67	23.6	26.6	0.4571

41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	23.18	26.18	0.4150
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@271	23.42	26.42	0.4385
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	135@67	23.61	26.61	0.4581
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@1	23.25	26.25	0.4217
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@271	23.52	26.52	0.4487
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	135@67	22.62	25.62	0.3648
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	22.25	25.25	0.3350
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@271	22.46	25.46	0.3516
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	135@67	21.14	24.14	0.2594
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	20.54	23.54	0.2259
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@271	20.92	23.92	0.2466
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	135@67	19.16	22.16	0.1644
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	18.89	21.89	0.1545
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@271	19.13	22.13	0.1633
41	30	100	518598	2592.99	CP-OFDM QPSK	137@68	22.08	25.08	0.3221
41	30	100	518598	2592.99	CP-OFDM QPSK	1@1	21.69	24.69	0.2944
41	30	100	518598	2592.99	CP-OFDM QPSK	1@271	21.9	24.9	0.3090
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	135@67	23.55	26.55	0.4519
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	1@1	22.6	25.6	0.3631
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	1@271	23.16	26.16	0.4130
41	30	100	528000	2640	DFT-s-OFDM QPSK	135@67	23.56	26.56	0.4529
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@1	22.62	25.62	0.3648
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@271	23.2	26.2	0.4169
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	135@67	22.54	25.54	0.3581
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@1	21.78	24.78	0.3006
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@271	22.2	25.2	0.3311
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	135@67	21.09	24.09	0.2564
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@1	20.15	23.15	0.2065
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@271	20.77	23.77	0.2382
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	135@67	19.05	22.05	0.1603
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@1	18.34	21.34	0.1361
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@271	18.85	21.85	0.1531
41	30	100	528000	2640	CP-OFDM QPSK	137@68	22.01	25.01	0.3170
41	30	100	528000	2640	CP-OFDM QPSK	1@1	21.09	24.09	0.2564
41	30	100	528000	2640	CP-OFDM QPSK	1@271	21.63	24.63	0.2904

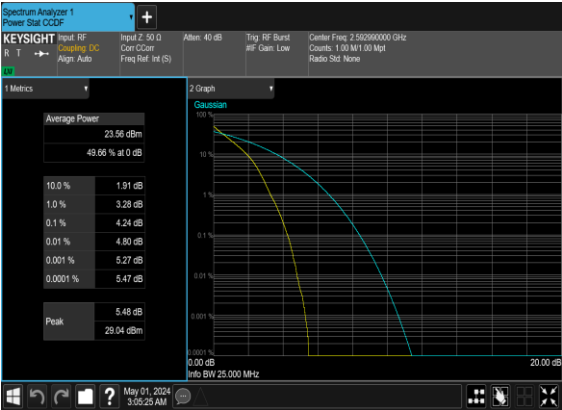
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0026	PASS	NV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0031	PASS	LV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0062	PASS	HV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0055	PASS	-30°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0049	PASS	-20°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0066	PASS	-10°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0041	PASS	0°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0060	PASS	10°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0026	PASS	20°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0023	PASS	30°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0051	PASS	40°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0026	PASS	50°C

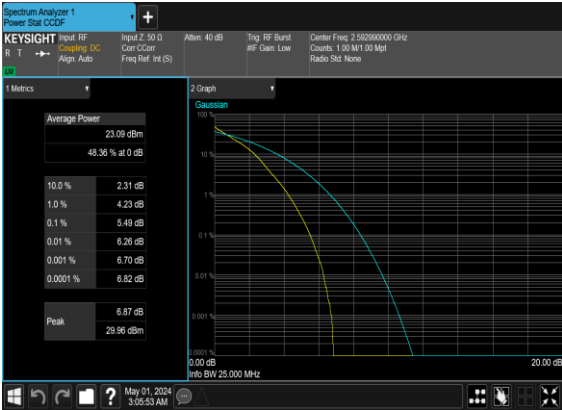
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	50@0	4.24	13	PASS
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	5.49	13	PASS

B2_N41(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



B2_N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

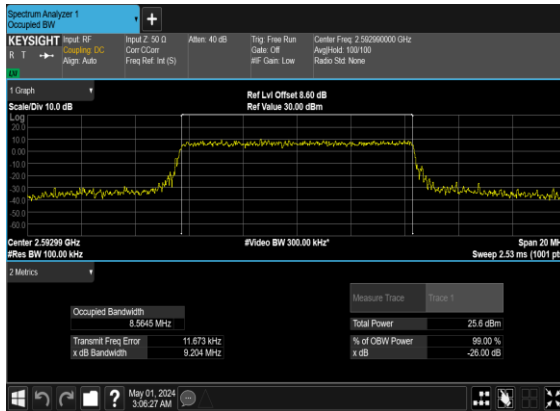


Occupied Bandwidth

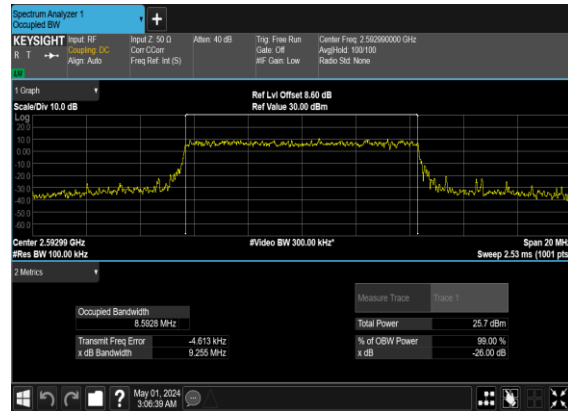
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
41	30	10	518598	2592.99	CP-OFDM QPSK	24@0	8.5645	9.204
41	30	10	518598	2592.99	CP-OFDM 16 QAM	24@0	8.5928	9.255
41	30	10	518598	2592.99	CP-OFDM 64 QAM	24@0	8.5866	9.348
41	30	10	518598	2592.99	CP-OFDM 256 QAM	24@0	8.5879	9.198
41	30	15	518598	2592.99	CP-OFDM QPSK	38@0	13.568	14.3
41	30	15	518598	2592.99	CP-OFDM 16 QAM	38@0	13.587	14.48
41	30	15	518598	2592.99	CP-OFDM 64 QAM	38@0	13.575	14.52
41	30	15	518598	2592.99	CP-OFDM 256 QAM	38@0	13.519	14.53
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	18.222	19.47
41	30	20	518598	2592.99	CP-OFDM 16 QAM	51@0	18.158	19.43
41	30	20	518598	2592.99	CP-OFDM 64 QAM	51@0	18.172	19.13
41	30	20	518598	2592.99	CP-OFDM 256 QAM	51@0	18.22	19.07
41	30	30	518598	2592.99	CP-OFDM QPSK	78@0	27.824	28.98
41	30	30	518598	2592.99	CP-OFDM 16 QAM	78@0	27.893	28.93
41	30	30	518598	2592.99	CP-OFDM 64 QAM	78@0	27.787	29.18
41	30	30	518598	2592.99	CP-OFDM 256 QAM	78@0	27.785	29.11
41	30	40	518598	2592.99	CP-OFDM QPSK	106@0	37.806	39.27
41	30	40	518598	2592.99	CP-OFDM 16 QAM	106@0	37.777	39.07
41	30	40	518598	2592.99	CP-OFDM 64 QAM	106@0	37.866	39.25
41	30	40	518598	2592.99	CP-OFDM 256 QAM	106@0	37.746	39.25
41	30	50	518598	2592.99	CP-OFDM QPSK	133@0	47.529	49.26
41	30	50	518598	2592.99	CP-OFDM 16 QAM	133@0	47.481	49.13
41	30	50	518598	2592.99	CP-OFDM 64 QAM	133@0	47.502	49.13
41	30	50	518598	2592.99	CP-OFDM 256 QAM	133@0	47.493	49.2
41	30	60	518598	2592.99	CP-OFDM QPSK	162@0	57.822	59.68

41	30	60	518598	2592.99	CP-OFDM 16 QAM	162@0	58.034	59.82
41	30	60	518598	2592.99	CP-OFDM 64 QAM	162@0	57.847	59.67
41	30	60	518598	2592.99	CP-OFDM 256 QAM	162@0	57.959	59.78
41	30	70	518598	2592.99	CP-OFDM QPSK	189@0	67.386	69.6
41	30	70	518598	2592.99	CP-OFDM 16 QAM	189@0	67.718	69.83
41	30	70	518598	2592.99	CP-OFDM 64 QAM	189@0	67.573	69.65
41	30	70	518598	2592.99	CP-OFDM 256 QAM	189@0	67.394	69.66
41	30	80	518598	2592.99	CP-OFDM QPSK	217@0	77.392	80.03
41	30	80	518598	2592.99	CP-OFDM 16 QAM	217@0	77.471	79.88
41	30	80	518598	2592.99	CP-OFDM 64 QAM	217@0	77.56	79.92
41	30	80	518598	2592.99	CP-OFDM 256 QAM	217@0	77.562	80.2
41	30	90	518598	2592.99	CP-OFDM QPSK	245@0	87.301	90.3
41	30	90	518598	2592.99	CP-OFDM 16 QAM	245@0	87.555	90.28
41	30	90	518598	2592.99	CP-OFDM 64 QAM	245@0	87.698	90.27
41	30	90	518598	2592.99	CP-OFDM 256 QAM	245@0	87.497	90.18
41	30	100	518598	2592.99	CP-OFDM QPSK	273@0	97.315	100.5
41	30	100	518598	2592.99	CP-OFDM 16 QAM	273@0	97.314	100.5
41	30	100	518598	2592.99	CP-OFDM 64 QAM	273@0	97.326	100.4
41	30	100	518598	2592.99	CP-OFDM 256 QAM	273@0	97.488	100.4

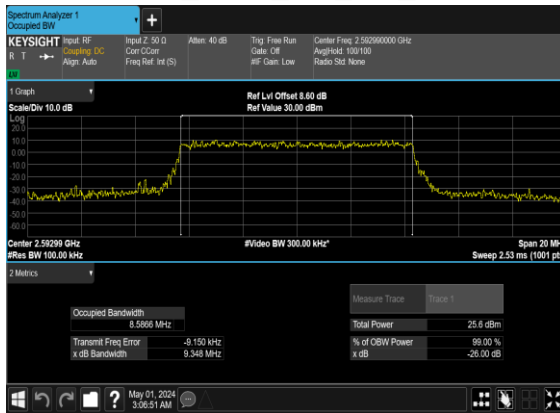
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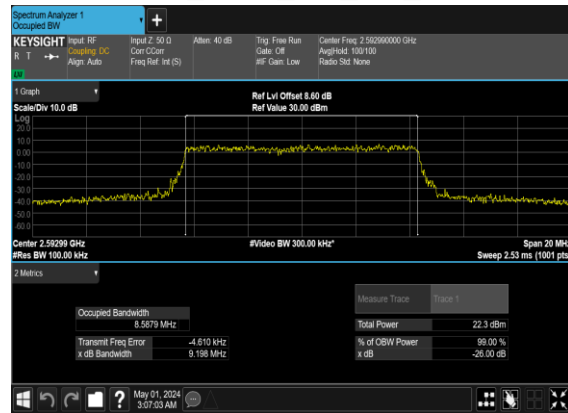
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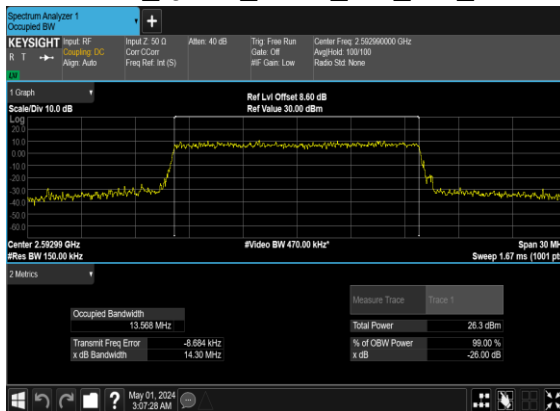
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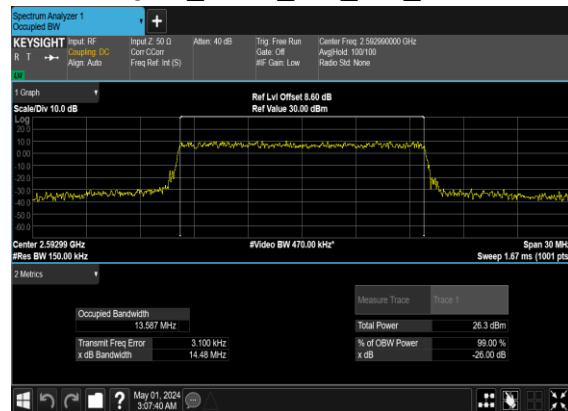
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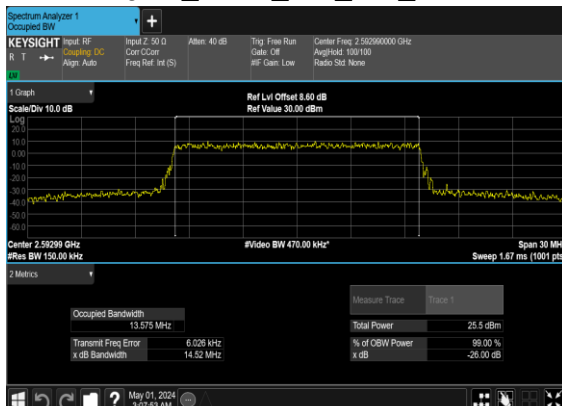
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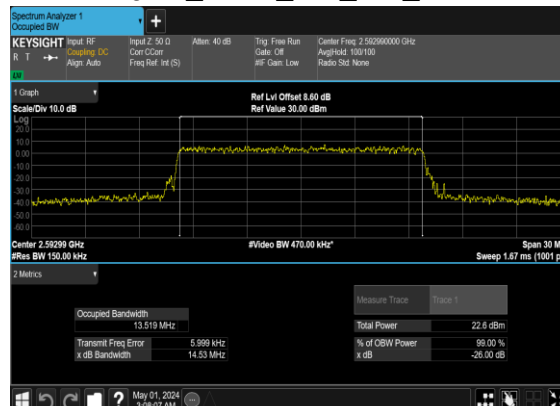
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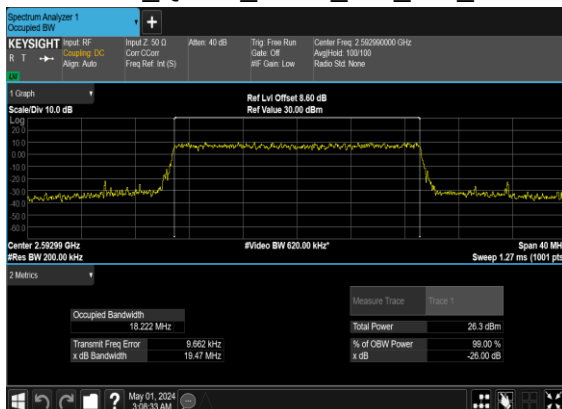
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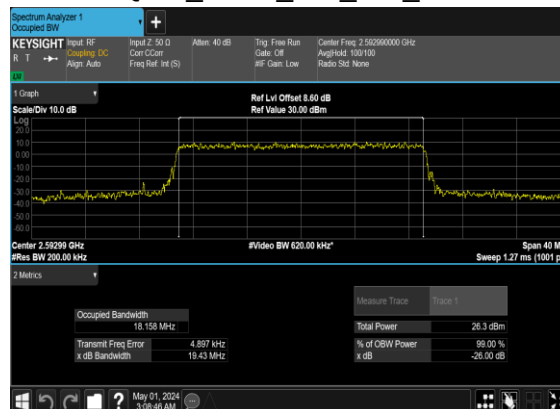
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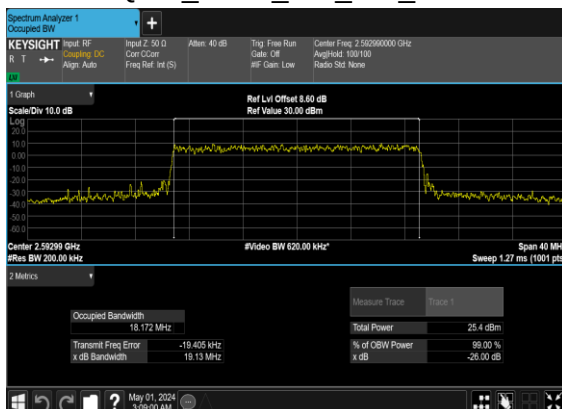
B2_N41(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



B2_N41(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



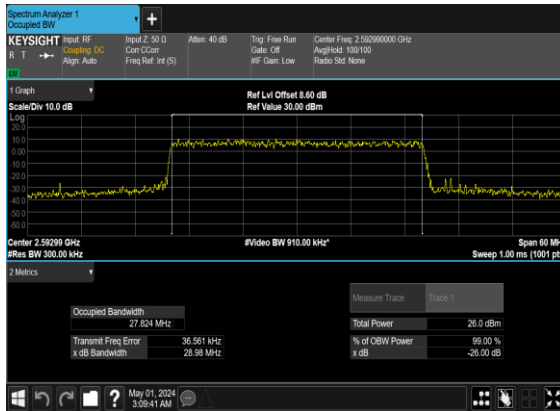
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QAM_Outer_Full_Mid_CH



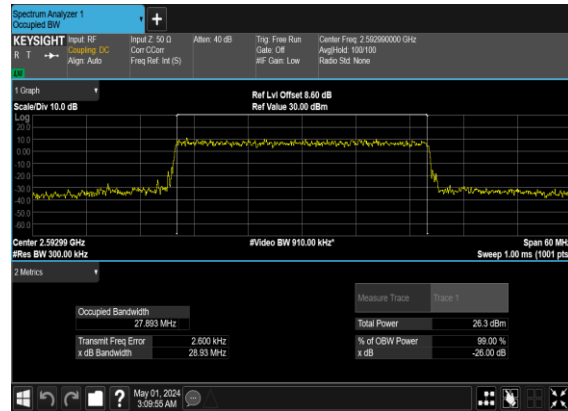
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QAM_Outer_Full_Mid_CH



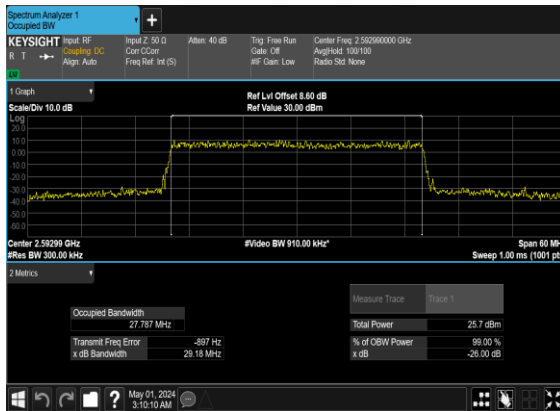
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OFDM_QPSK_Outer_Full_Mid_CH



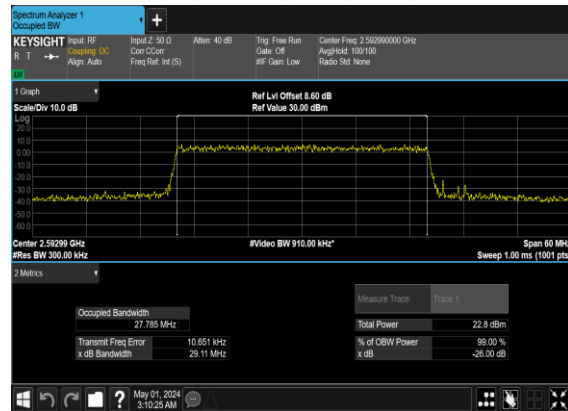
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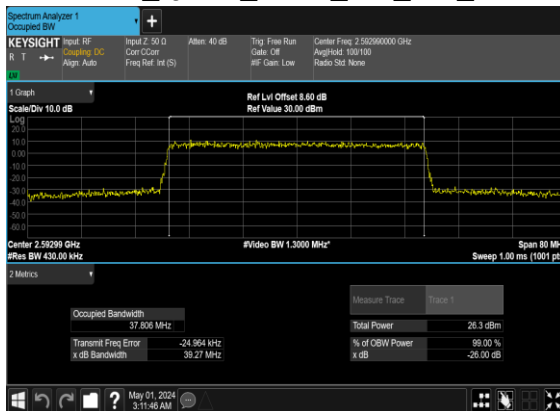
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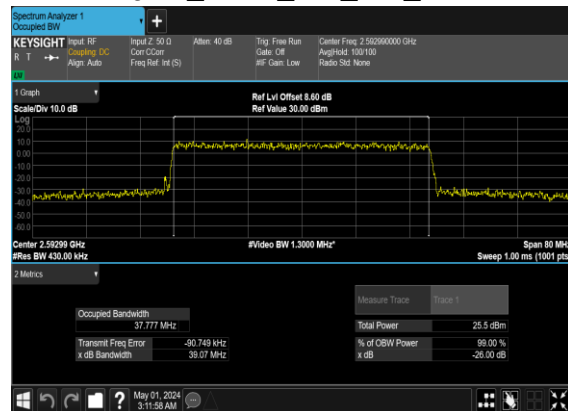
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QAM_Outer_Full_Mid_CH



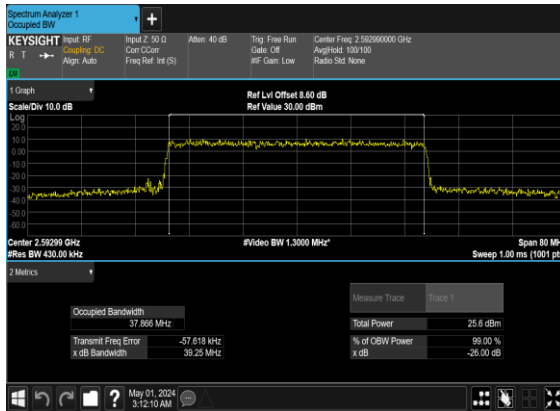
B2_N41(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



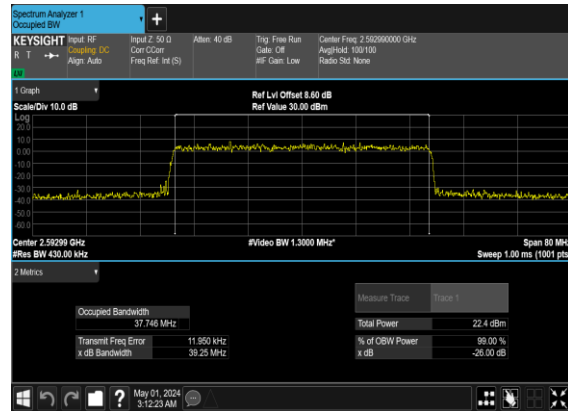
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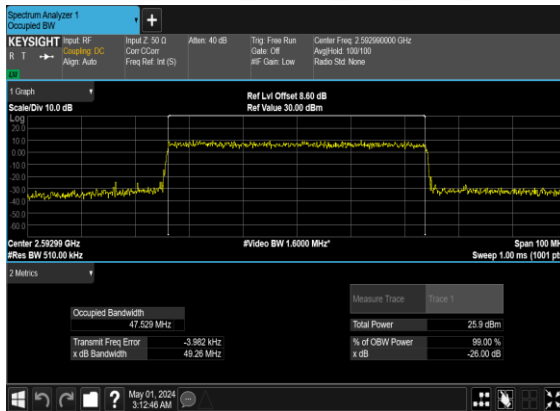
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QAM_Outer_Full_Mid_CH



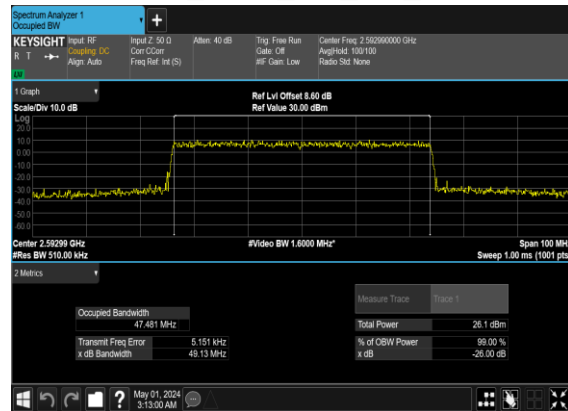
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QAM_Outer_Full_Mid_CH



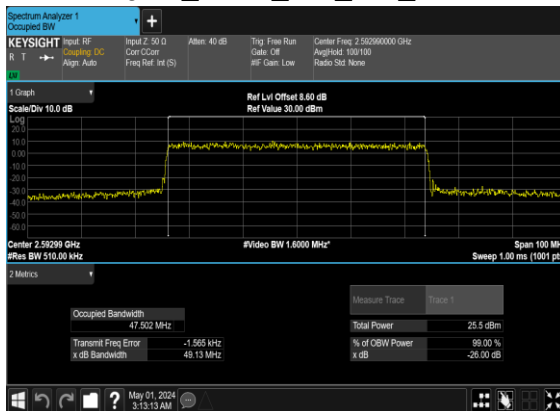
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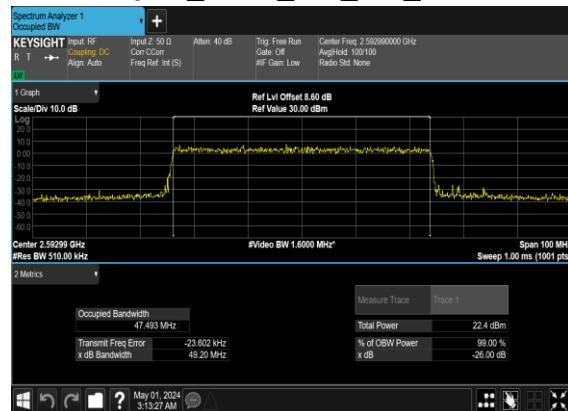
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QAM_Outer_Full_Mid_CH



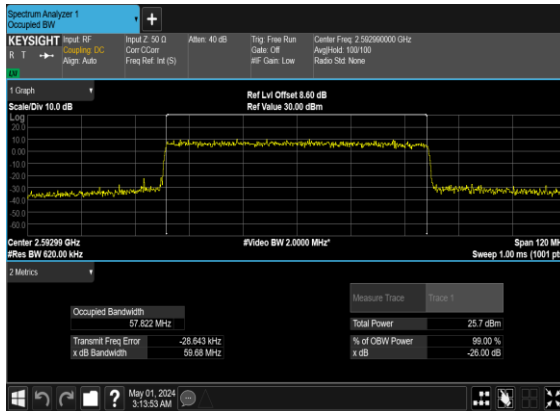
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QAM_Outer_Full_Mid_CH



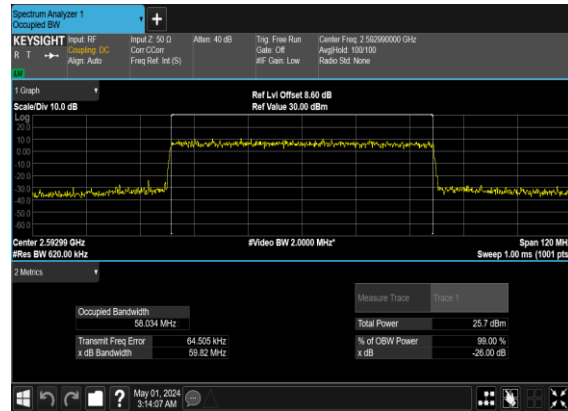
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QAM_Outer_Full_Mid_CH



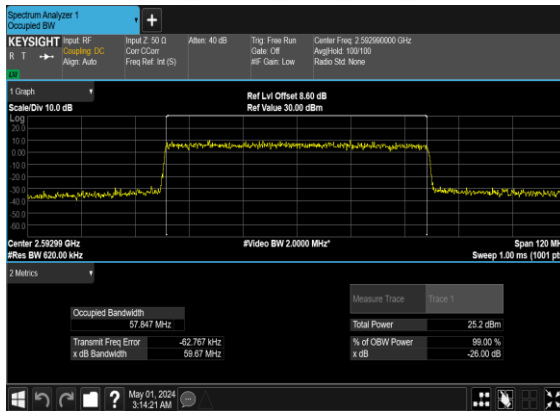
B2_N41(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



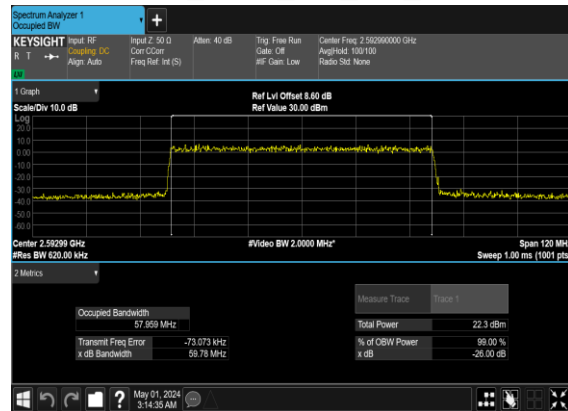
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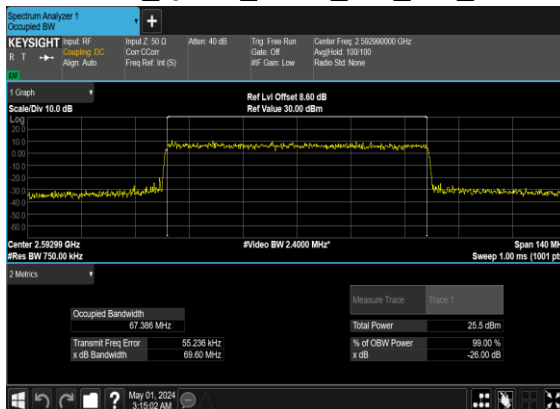
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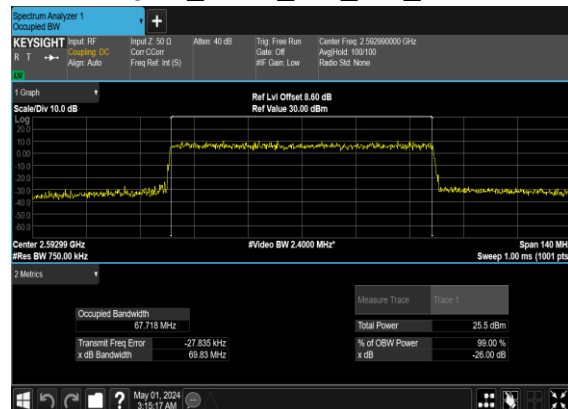
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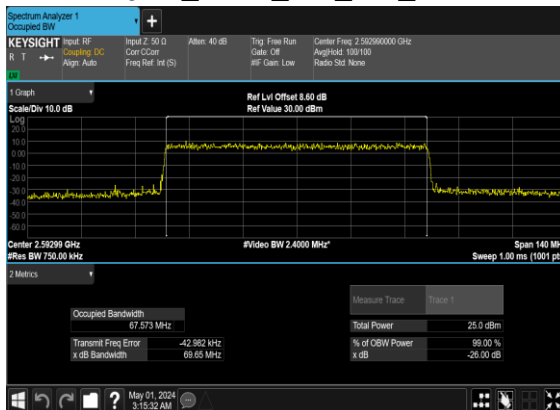
B2_N41(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



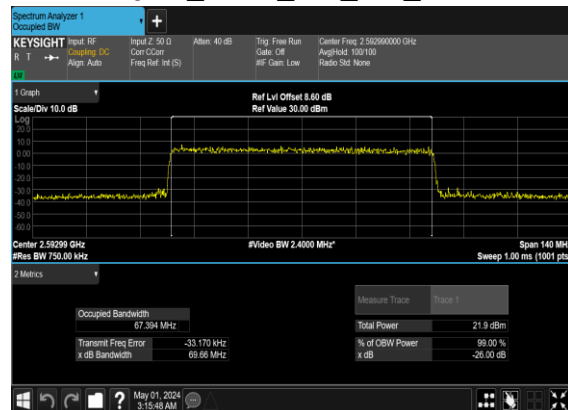
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QAM_Outer_Full_Mid_CH



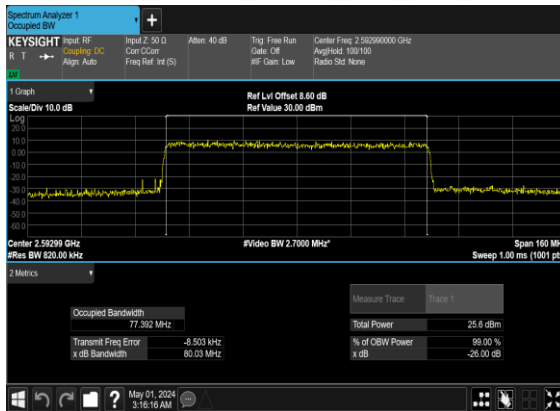
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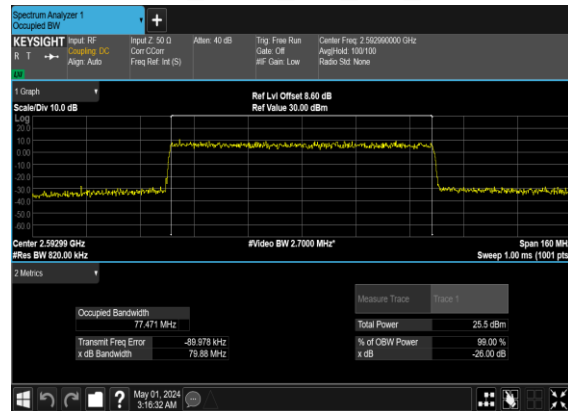
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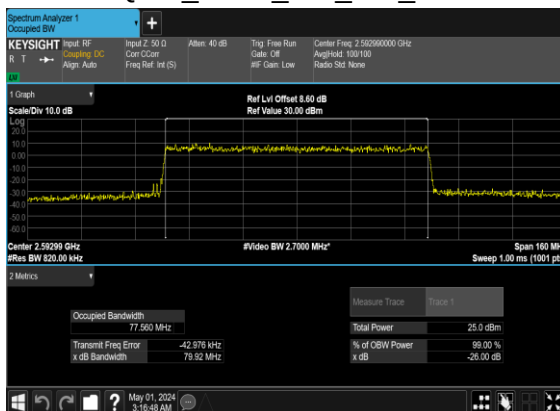
B2_N41(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



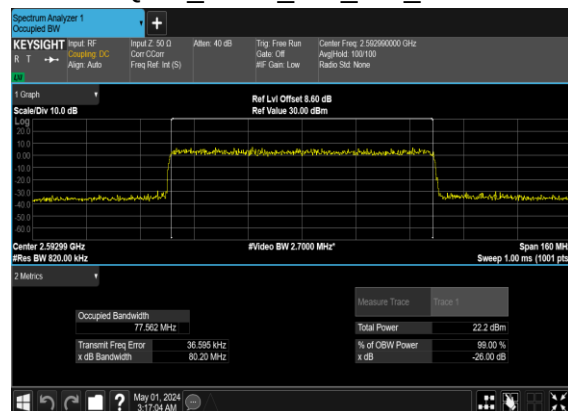
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QAM_Outer_Full_Mid_CH



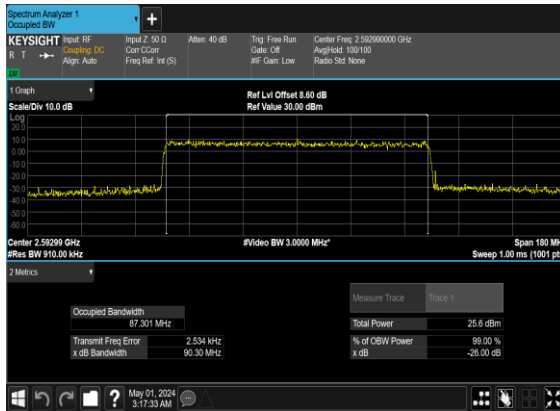
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QAM_Outer_Full_Mid_CH



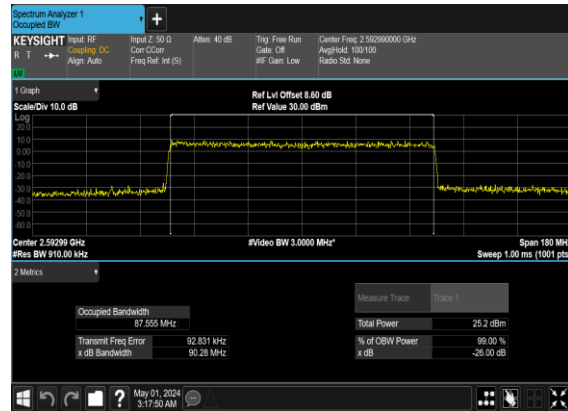
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QAM_Outer_Full_Mid_CH



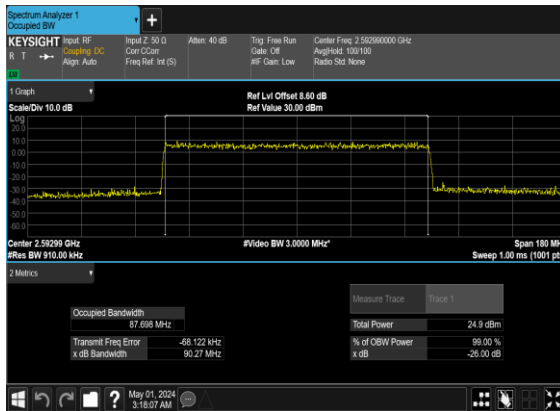
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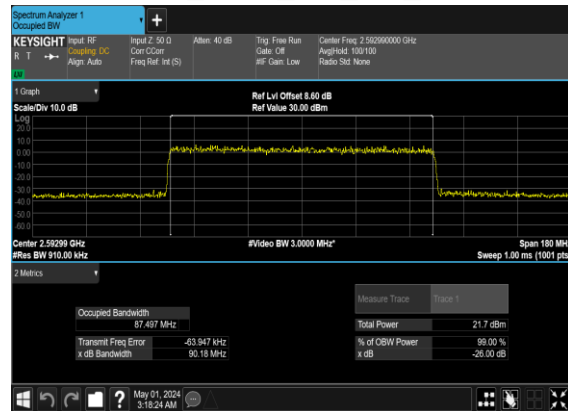
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QAM_Outer_Full_Mid_CH



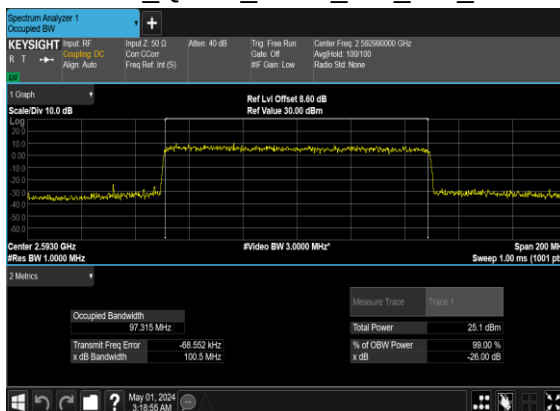
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QAM_Outer_Full_Mid_CH



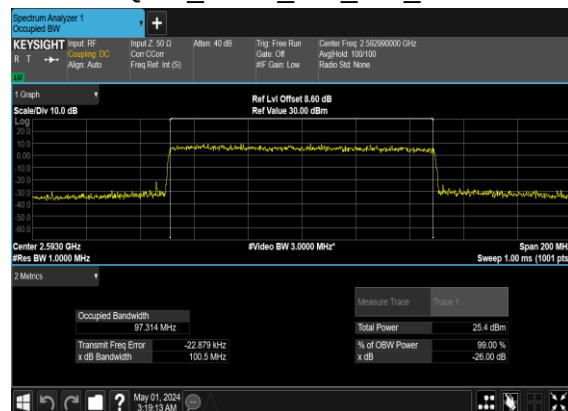
B2_N41(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



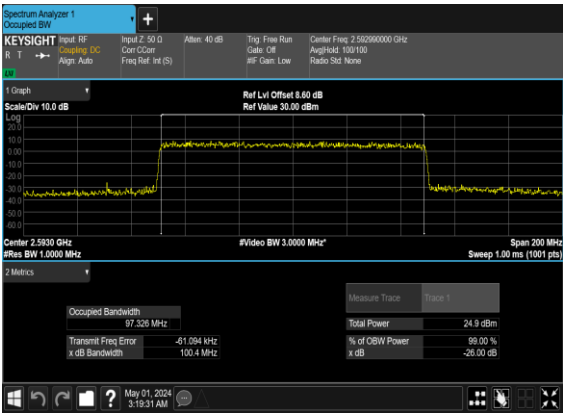
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OFDM_QPSK_Outer_Full_Mid_CH



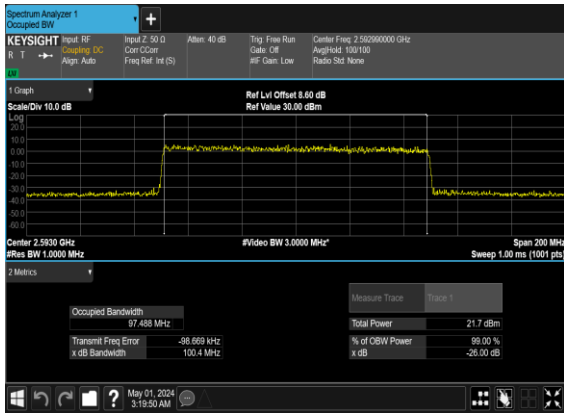
B2_N41(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B2_N41(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



B2_N41(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



Conducted Spurious Emissions

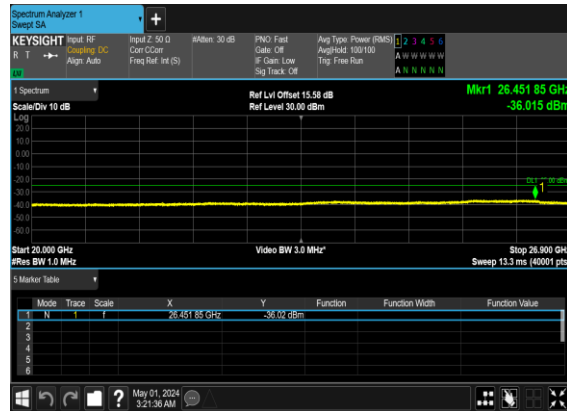
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see 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	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
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	PASS
41	30	50	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
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	PASS
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
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	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@0	see graph	PASS

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	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
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	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	---
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
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	PASS
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
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	PASS
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
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	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
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	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

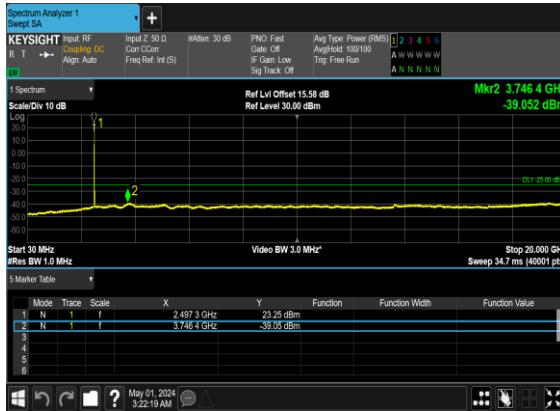
B2_N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



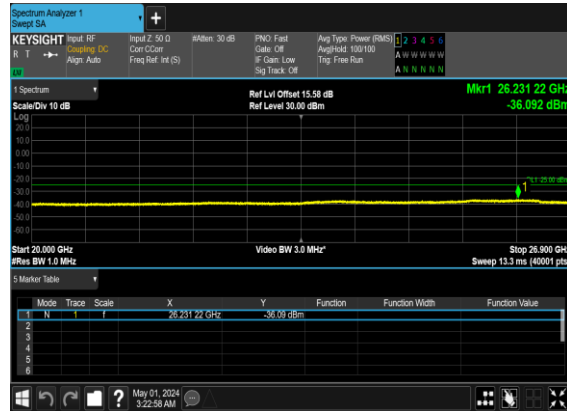
B2_N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



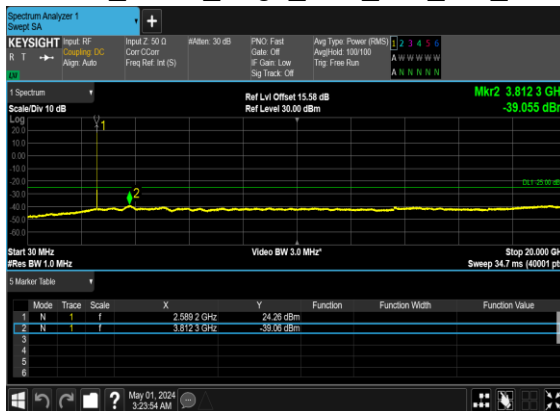
B2_N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



B2_N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

