

B7\_N5(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



B7\_N5(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



B7\_N5(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_High\_CH



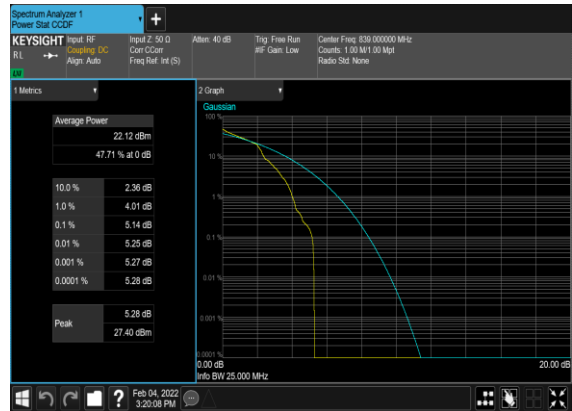
B7\_N5(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_High\_CH



B7\_N5(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



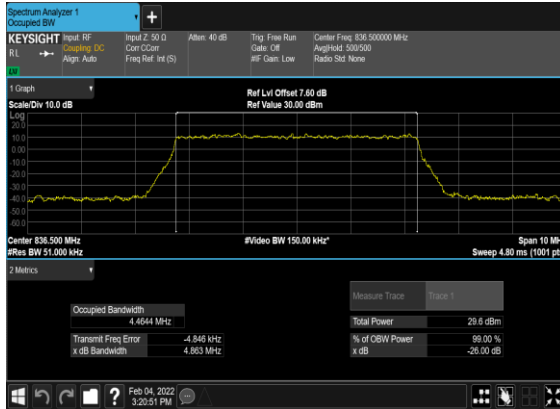
B7\_N5(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



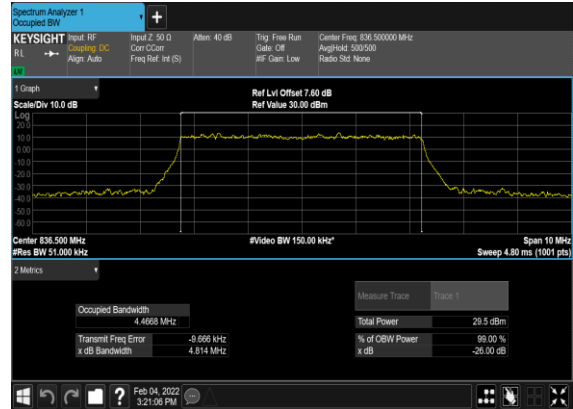
## Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
5	15	5	176300	836.5	DFT-s-OFDM PI/2 BPSK	25@0	4.4644	4.863
5	15	5	176300	836.5	DFT-s-OFDM QPSK	25@0	4.4668	4.814
5	15	5	176300	836.5	CP-OFDM QPSK	25@0	4.4665	4.933
5	15	5	176300	836.5	CP-OFDM 16 QAM	25@0	4.4838	4.957
5	15	5	176300	836.5	CP-OFDM 64 QAM	25@0	4.4765	4.952
5	15	5	176300	836.5	CP-OFDM 256 QAM	25@0	4.468	4.907
5	15	10	176300	836.5	DFT-s-OFDM PI/2 BPSK	50@0	8.8928	9.42
5	15	10	176300	836.5	DFT-s-OFDM QPSK	50@0	8.8987	9.522
5	15	10	176300	836.5	CP-OFDM QPSK	52@0	9.2554	9.907
5	15	10	176300	836.5	CP-OFDM 16 QAM	52@0	9.2545	9.874
5	15	10	176300	836.5	CP-OFDM 64 QAM	52@0	9.2625	9.84
5	15	10	176300	836.5	CP-OFDM 256 QAM	52@0	9.2704	9.917
5	15	15	176300	836.5	DFT-s-OFDM PI/2 BPSK	75@0	13.359	14.06
5	15	15	176300	836.5	DFT-s-OFDM QPSK	75@0	13.358	14.06
5	15	15	176300	836.5	CP-OFDM QPSK	79@0	14.072	14.83
5	15	15	176300	836.5	CP-OFDM 16 QAM	79@0	14.098	14.86
5	15	15	176300	836.5	CP-OFDM 64 QAM	79@0	14.112	14.77
5	15	15	176300	836.5	CP-OFDM 256 QAM	79@0	14.057	14.8
5	15	20	176300	836.5	DFT-s-OFDM PI/2 BPSK	100@0	17.822	18.69
5	15	20	176300	836.5	DFT-s-OFDM QPSK	100@0	17.825	18.69
5	15	20	176300	836.5	CP-OFDM QPSK	106@0	18.866	19.78
5	15	20	176300	836.5	CP-OFDM 16 QAM	106@0	18.907	19.81
5	15	20	176300	836.5	CP-OFDM 64 QAM	106@0	18.88	19.72
5	15	20	176300	836.5	CP-OFDM 256 QAM	106@0	18.925	19.76

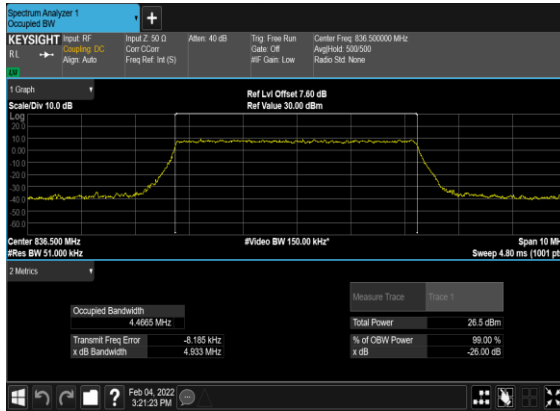
B7\_N5(5M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



B7\_N5(5M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



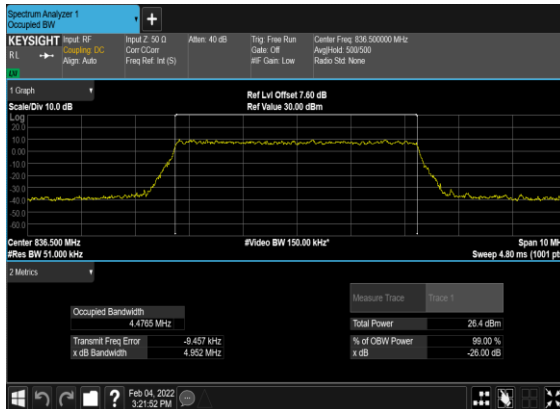
B7\_N5(5M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



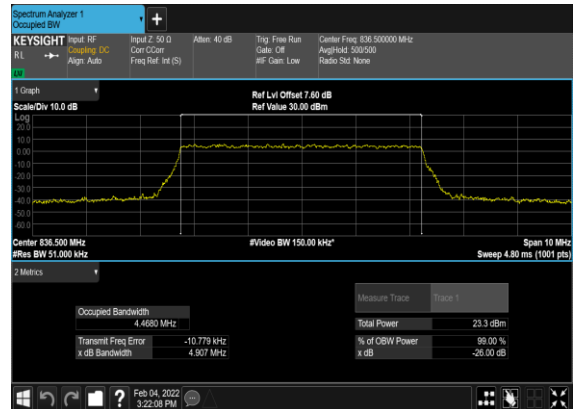
B7\_N5(5M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



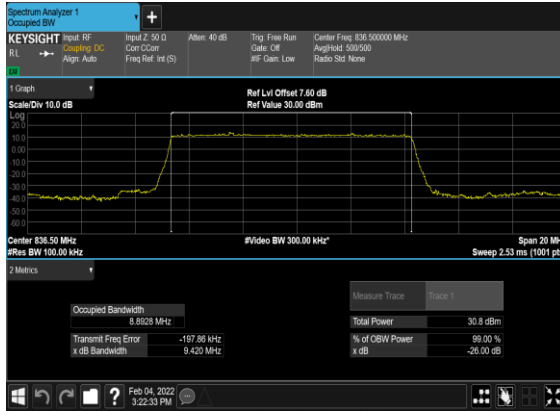
B7\_N5(5M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



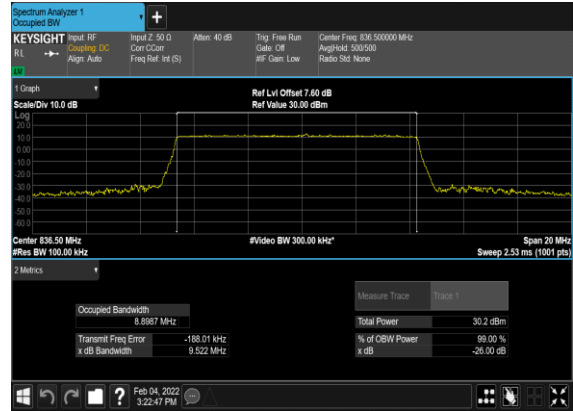
B7\_N5(5M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



### B7\_N5(10M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



### B7\_N5(10M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



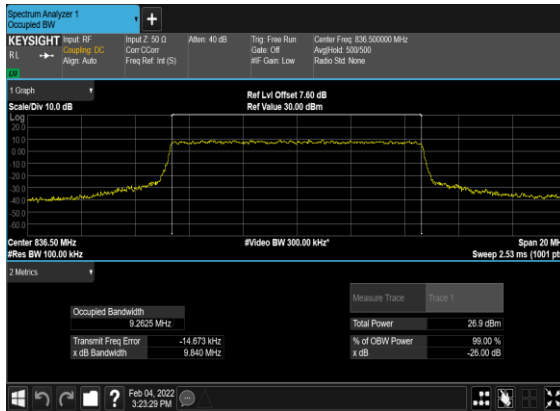
### B7\_N5(10M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



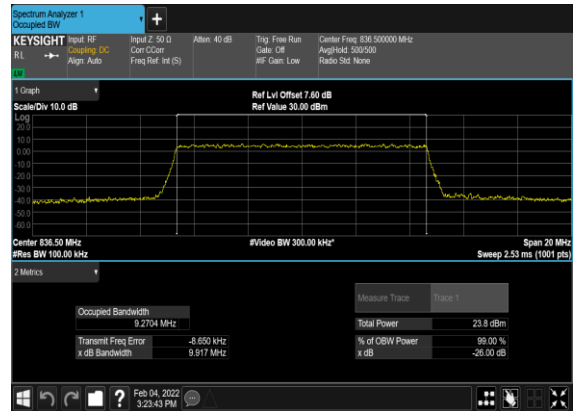
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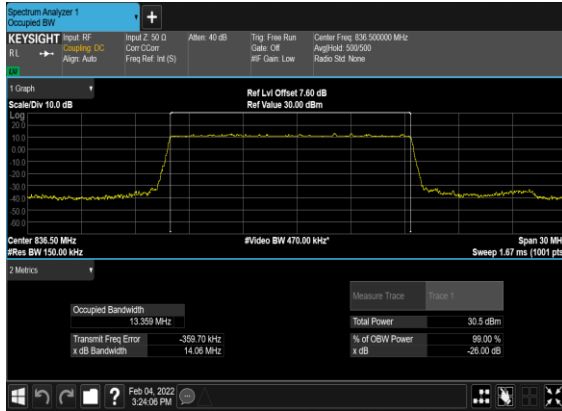
### B7\_N5(10M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



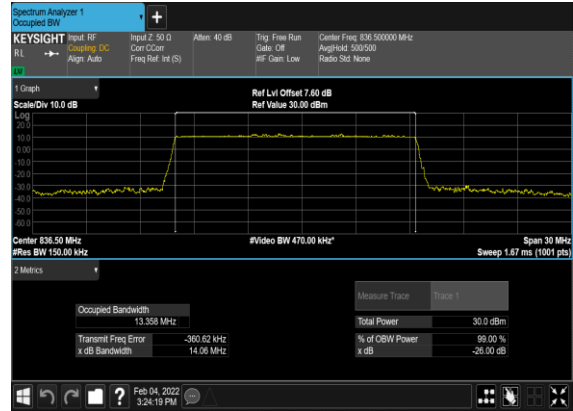
### B7\_N5(10M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



### B7\_N5(15M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



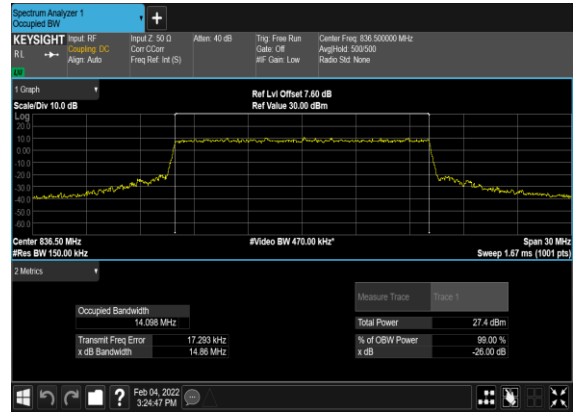
### B7\_N5(15M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



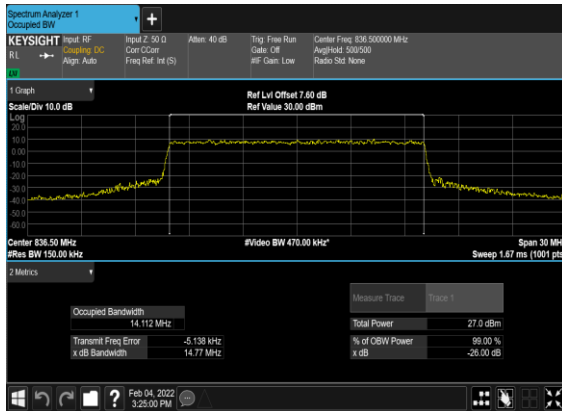
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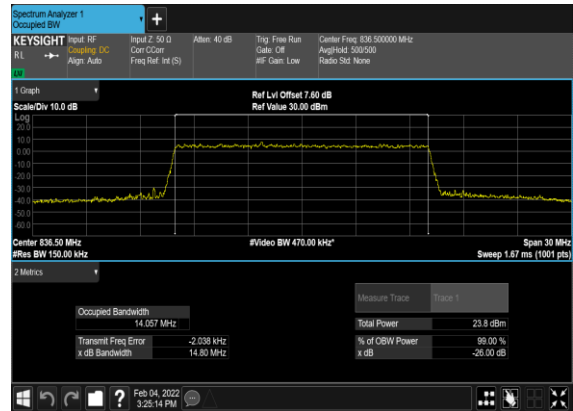
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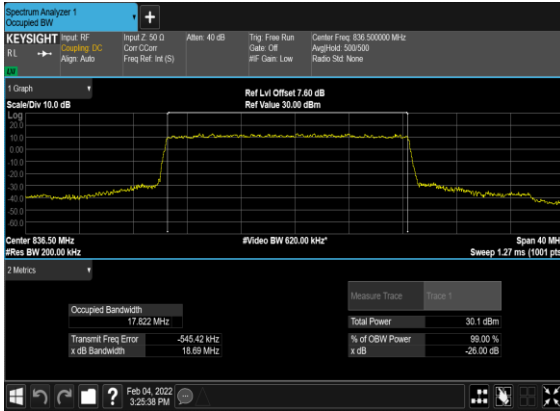
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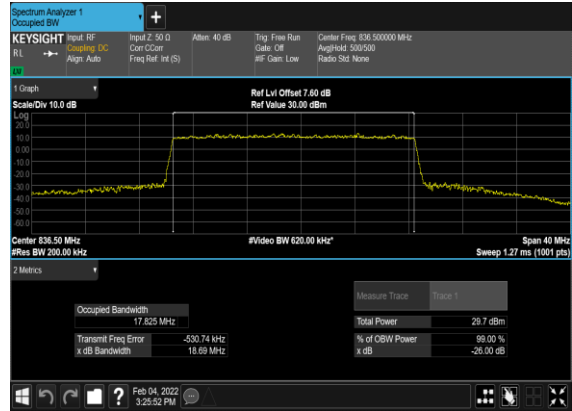
### B7\_N5(15M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



### B7\_N5(20M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



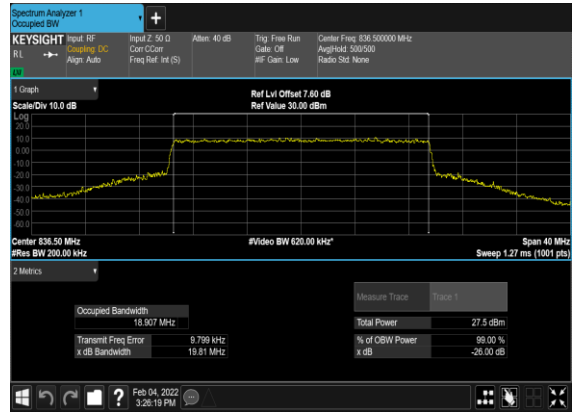
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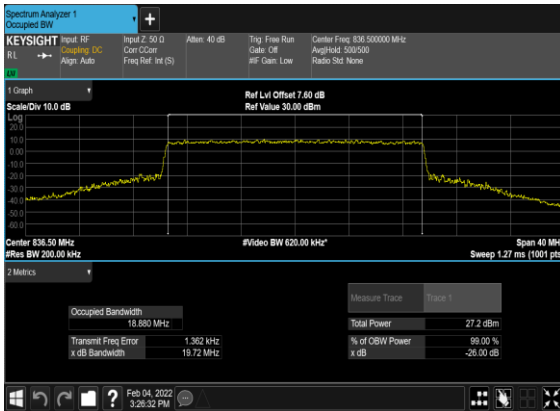
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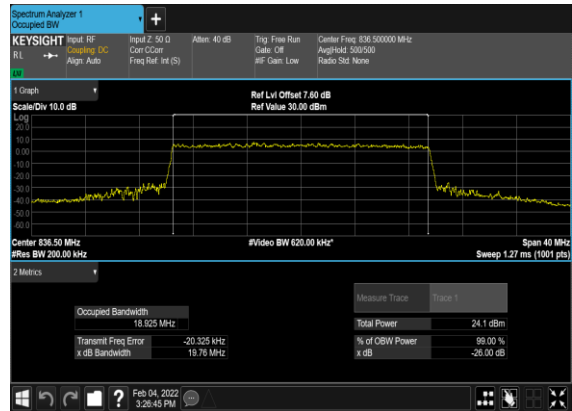
### B7\_N5(20M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



### B7\_N5(20M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



### B7\_N5(20M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



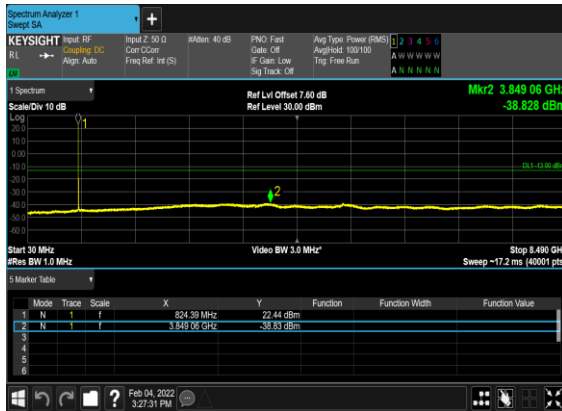
## Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
5	15	5	174300	826.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	174300	826.5	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
5	15	5	174300	826.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	5	174300	826.5	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
5	15	5	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
5	15	5	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	5	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
5	15	5	178300	846.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	178300	846.5	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
5	15	5	178300	846.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	5	178300	846.5	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
5	15	10	174800	829.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	174800	829.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
5	15	10	174800	829.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	10	174800	829.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
5	15	10	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
5	15	10	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	10	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
5	15	10	177800	844.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	177800	844.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>

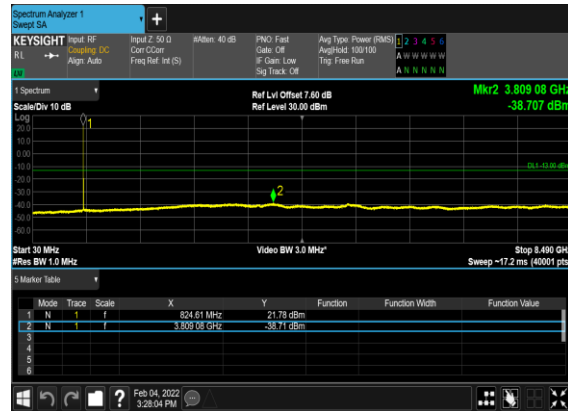
5	15	10	177800	844.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	10	177800	844.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
5	15	20	175800	834.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	175800	834.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
5	15	20	175800	834.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	20	175800	834.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
5	15	20	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
5	15	20	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	20	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
5	15	20	176800	839.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	176800	839.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
5	15	20	176800	839.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	20	176800	839.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>



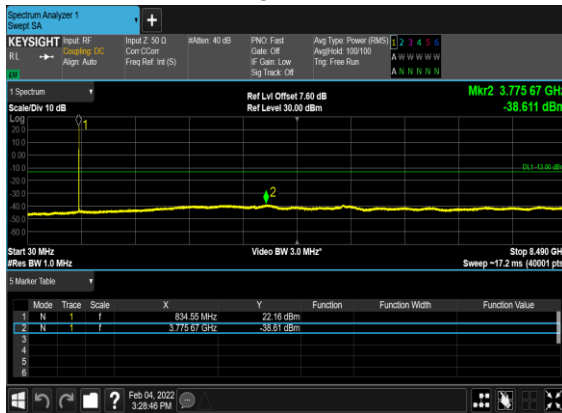
### B7\_N5(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



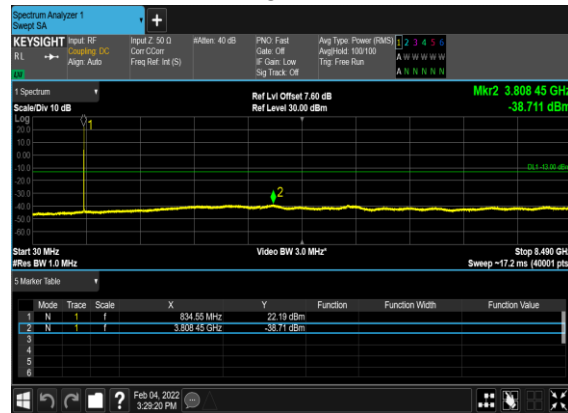
### B7\_N5(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



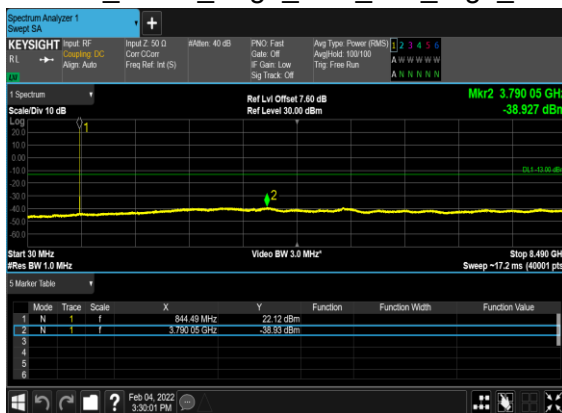
### B7\_N5(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



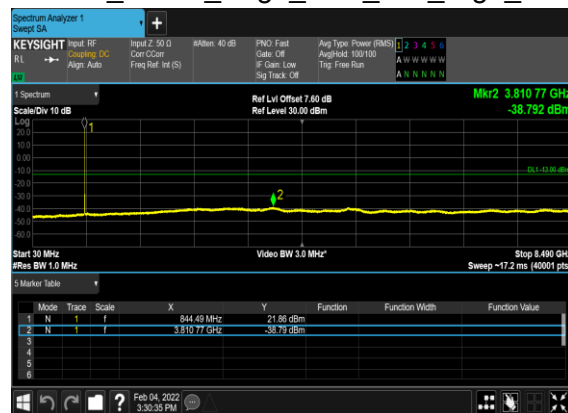
### B7\_N5(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



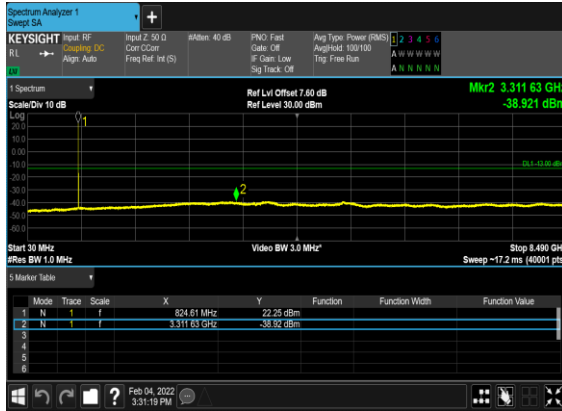
### B7\_N5(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



### B7\_N5(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



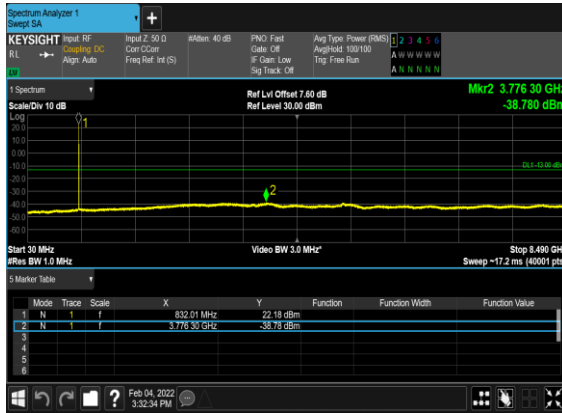
B7\_N5(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



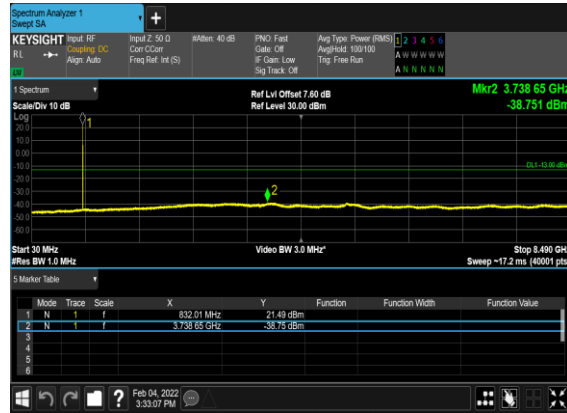
B7\_N5(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



B7\_N5(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



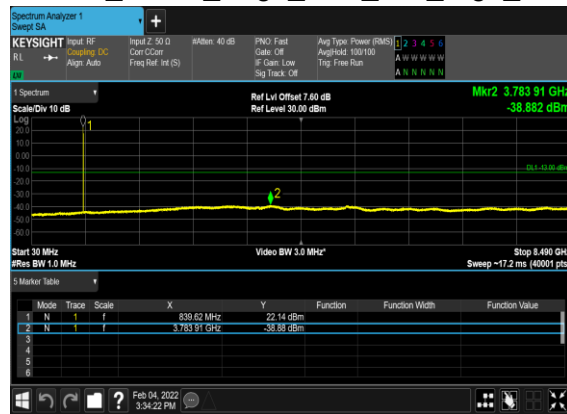
B7\_N5(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



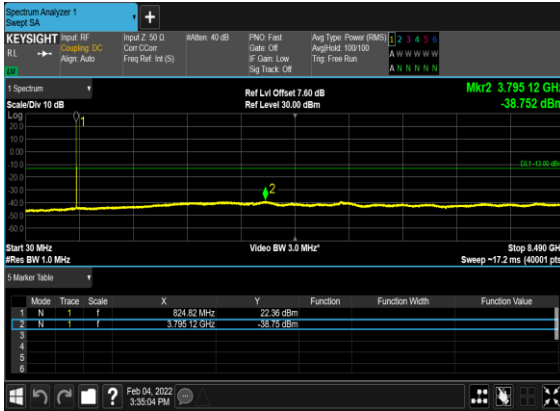
B7\_N5(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



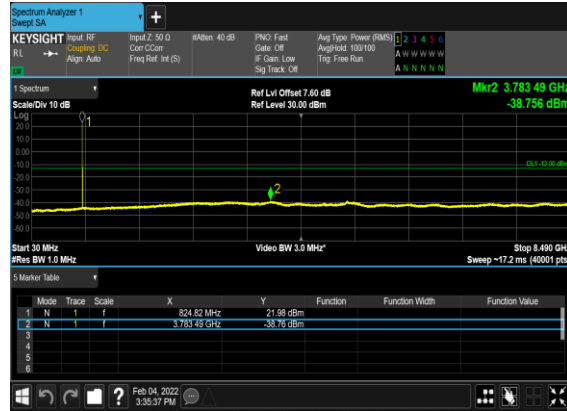
B7\_N5(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



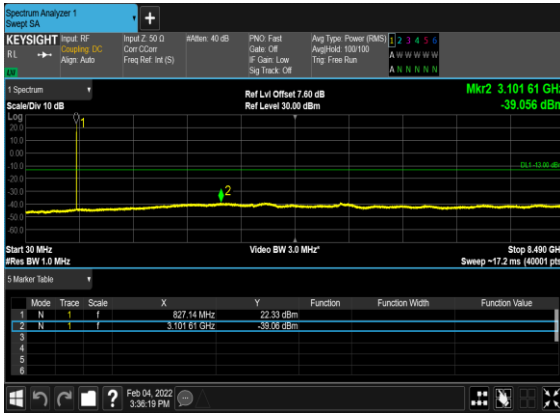
B7\_N5(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



B7\_N5(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



B7\_N5(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



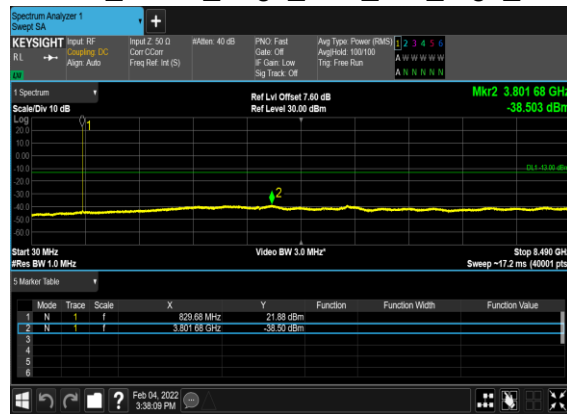
B7\_N5(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



B7\_N5(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



B7\_N5(20M)\_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
5	15	5	174300	826.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	174300	826.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	5	174300	826.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
5	15	5	174300	826.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
5	15	5	178300	846.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
5	15	5	178300	846.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
5	15	5	178300	846.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
5	15	5	178300	846.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
5	15	10	174800	829.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	174800	829.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	174800	829.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
5	15	10	174800	829.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
5	15	10	177800	844.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
5	15	10	177800	844.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
5	15	10	177800	844.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
5	15	10	177800	844.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
5	15	20	175800	834.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	175800	834.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	175800	834.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
5	15	20	175800	834.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
5	15	20	176800	839.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
5	15	20	176800	839.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
5	15	20	176800	839.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
5	15	20	176800	839.0	DFT-s-OFDM QPSK	100@0	see graph	PASS

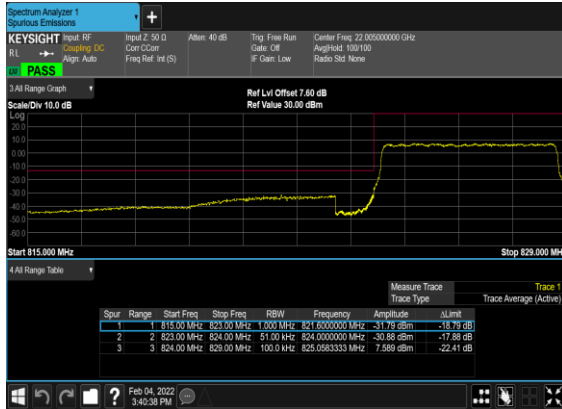
### B7\_N5(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



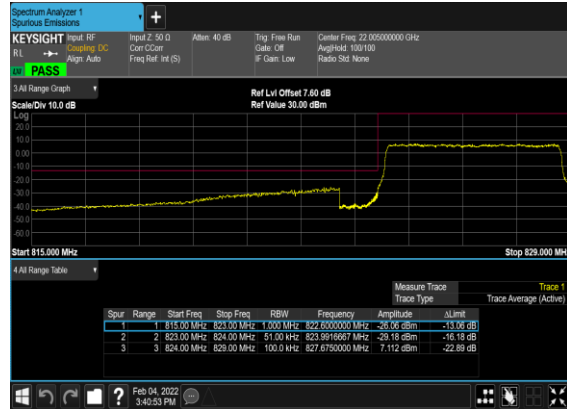
### B7\_N5(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



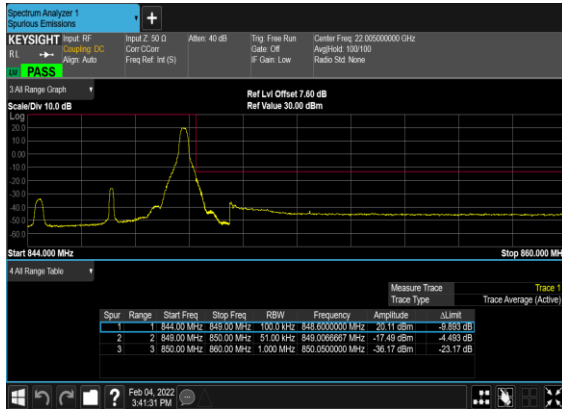
### B7\_N5(5M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



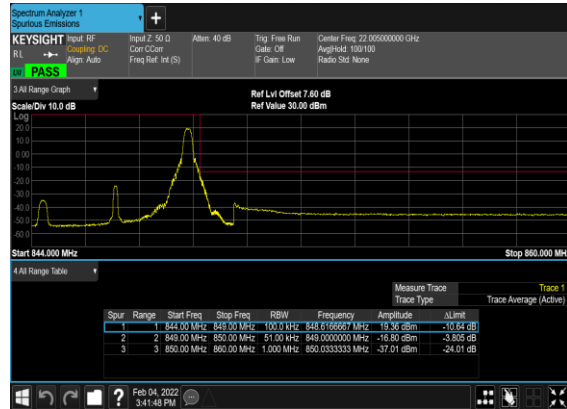
### B7\_N5(5M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



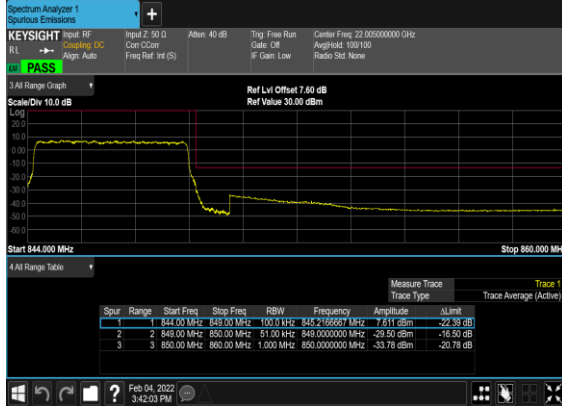
### B7\_N5(5M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



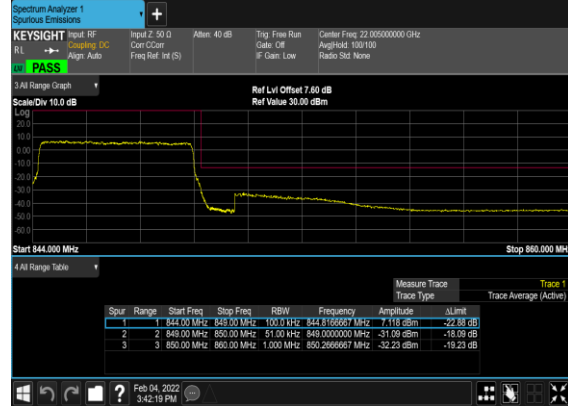
### B7\_N5(5M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



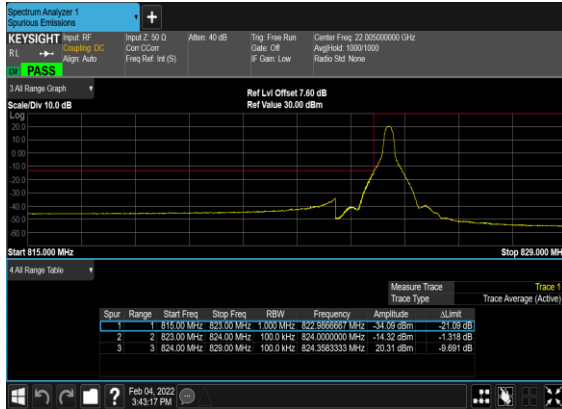
B7\_N5(5M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH



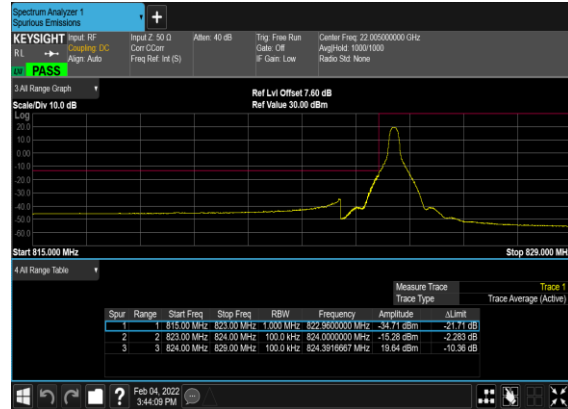
B7\_N5(5M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH



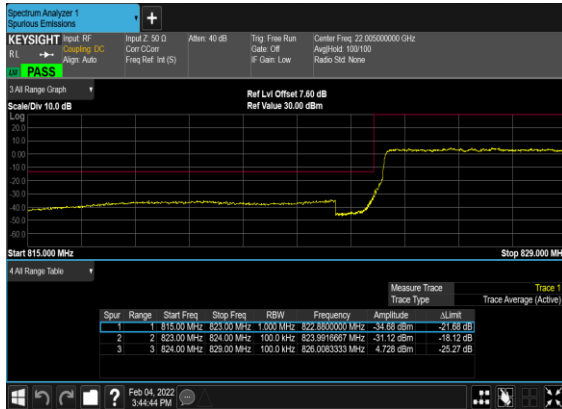
B7\_N5(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



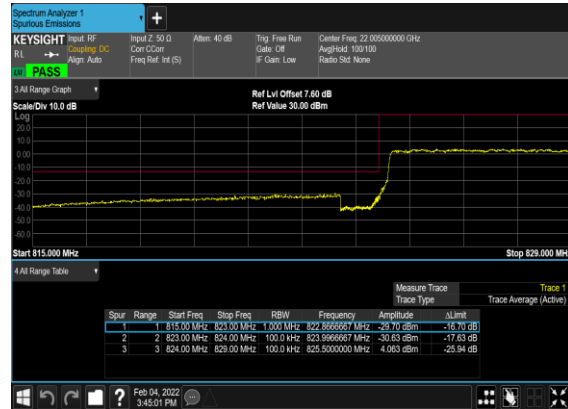
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OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



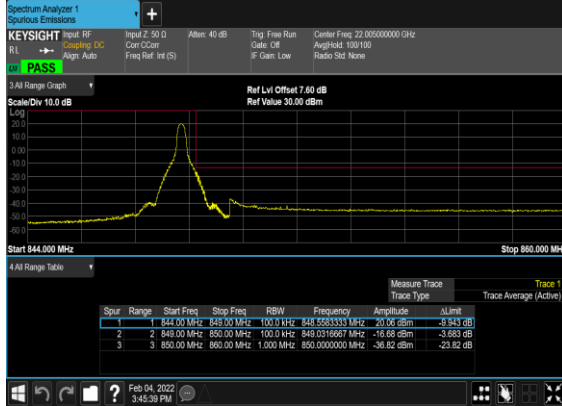
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OFDM\_BPSK\_Outer\_Full\_Low\_CH



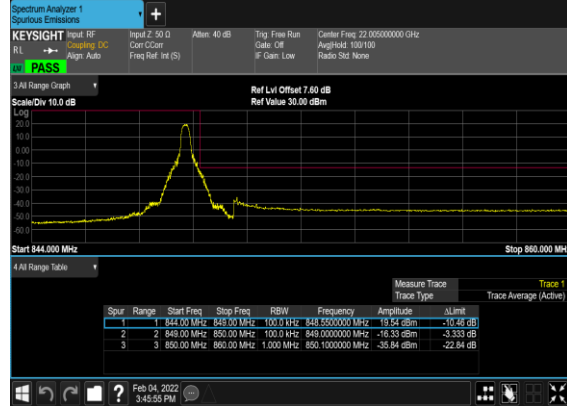
B7\_N5(10M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



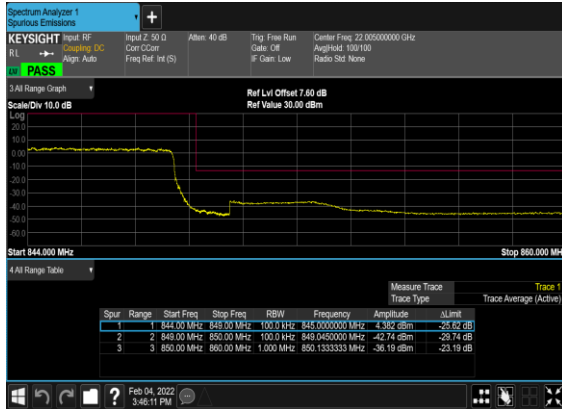
B7\_N5(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



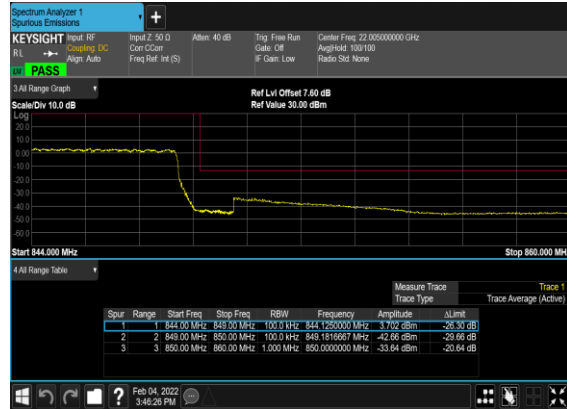
B7\_N5(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



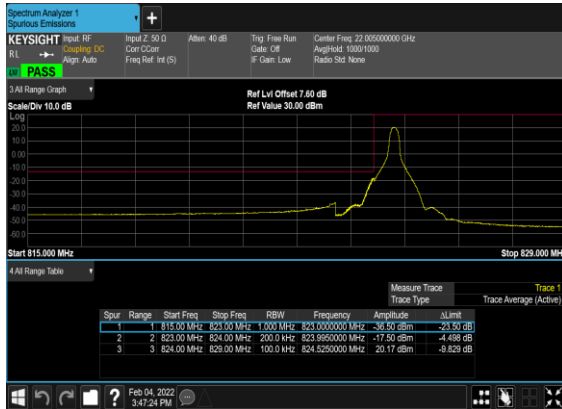
B7\_N5(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



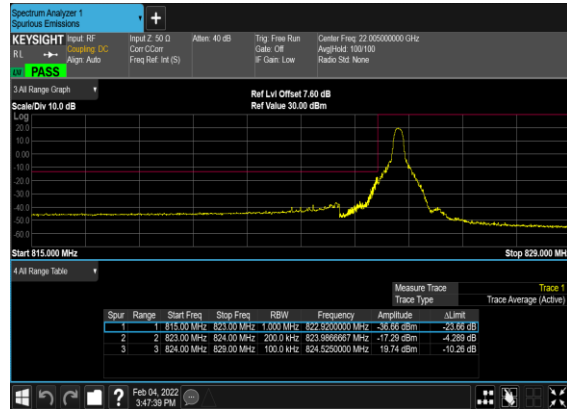
B7\_N5(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



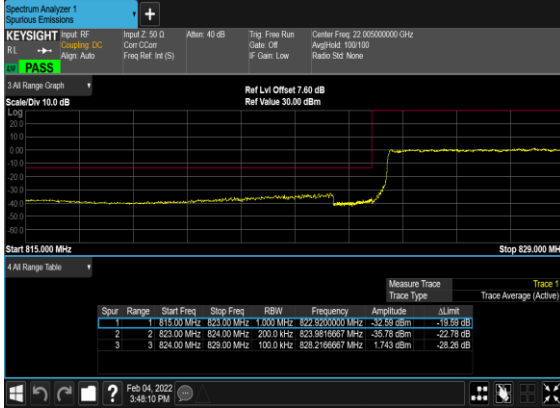
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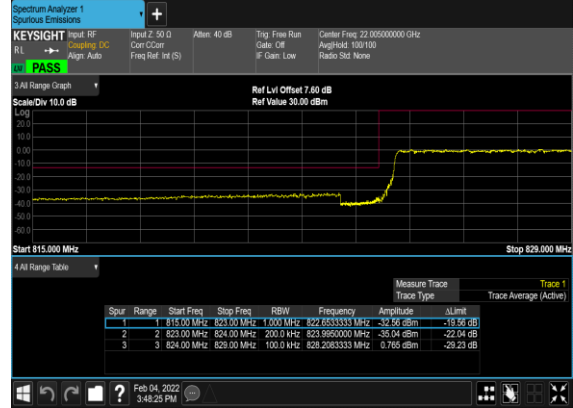
B7\_N5(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



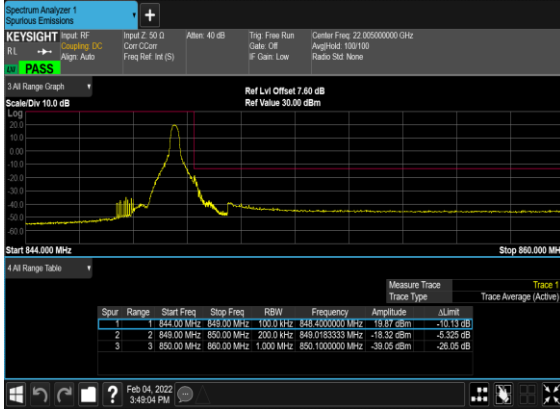
B7\_N5(20M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH



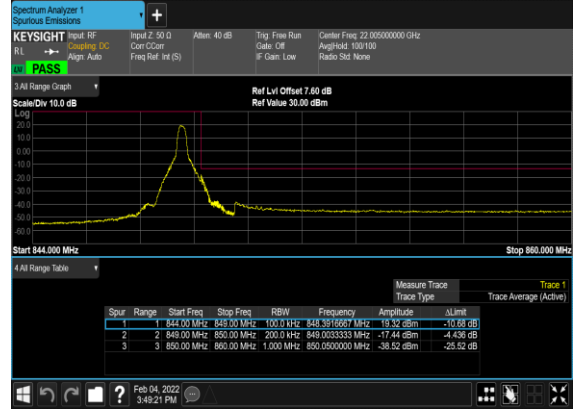
B7\_N5(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



B7\_N5(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



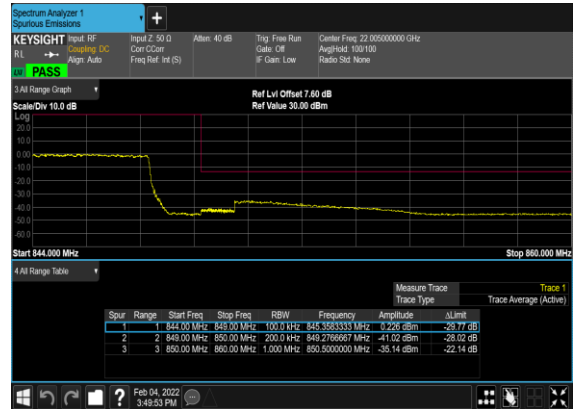
B7\_N5(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



B7\_N5(20M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH



B7\_N5(20M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH





**FR1 N7<Ant. 5>****Transmitter Conducted Output Power And EIRP, (G<sub>T</sub>-L<sub>C</sub>)=0.8dB**

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
Band	(kHz)	(MHz)		(MHz)					
7	15	5	524500	2502.5	DFT-s-OFDM PI/2 BPSK	12@6	23.4	24.2	0.2630
7	15	5	524500	2502.5	DFT-s-OFDM PI/2 BPSK	1@1	23.36	24.16	0.2606
7	15	5	524500	2502.5	DFT-s-OFDM PI/2 BPSK	1@23	23.4	24.2	0.2630
7	15	5	524500	2502.5	DFT-s-OFDM QPSK	12@6	23.51	24.31	0.2698
7	15	5	524500	2502.5	DFT-s-OFDM QPSK	1@1	23.6	24.4	0.2754
7	15	5	524500	2502.5	DFT-s-OFDM QPSK	1@23	23.7	24.5	0.2818
7	15	5	524500	2502.5	DFT-s-OFDM 16 QAM	12@6	22.41	23.21	0.2094
7	15	5	524500	2502.5	DFT-s-OFDM 16 QAM	1@1	22.66	23.46	0.2218
7	15	5	524500	2502.5	DFT-s-OFDM 16 QAM	1@23	22.73	23.53	0.2254
7	15	5	524500	2502.5	DFT-s-OFDM 64 QAM	12@6	21.12	21.92	0.1556
7	15	5	524500	2502.5	DFT-s-OFDM 64 QAM	1@1	21.15	21.95	0.1567
7	15	5	524500	2502.5	DFT-s-OFDM 64 QAM	1@23	21.21	22.01	0.1589
7	15	5	524500	2502.5	DFT-s-OFDM 256 QAM	12@6	18.86	19.66	0.0925
7	15	5	524500	2502.5	DFT-s-OFDM 256 QAM	1@1	18.65	19.45	0.0881
7	15	5	524500	2502.5	DFT-s-OFDM 256 QAM	1@23	18.74	19.54	0.0899
7	15	5	524500	2502.5	CP-OFDM QPSK	13@6	22.02	22.82	0.1914
7	15	5	524500	2502.5	CP-OFDM QPSK	1@1	21.8	22.6	0.1820
7	15	5	524500	2502.5	CP-OFDM QPSK	1@23	21.97	22.77	0.1892
7	15	5	531000	2535	DFT-s-OFDM PI/2 BPSK	12@6	23.5	24.3	0.2692

7	15	5	531000	2535	DFT-s-OFDM PI/2 BPSK	1@1	23.43	24.23	0.2649
7	15	5	531000	2535	DFT-s-OFDM PI/2 BPSK	1@23	23.49	24.29	0.2685
7	15	5	531000	2535	DFT-s-OFDM QPSK	12@6	23.59	24.39	0.2748
7	15	5	531000	2535	DFT-s-OFDM QPSK	1@1	23.64	24.44	0.2780
7	15	5	531000	2535	DFT-s-OFDM QPSK	1@23	23.82	24.62	0.2897
7	15	5	531000	2535	DFT-s-OFDM 16 QAM	12@6	22.44	23.24	0.2109
7	15	5	531000	2535	DFT-s-OFDM 16 QAM	1@1	22.67	23.47	0.2223
7	15	5	531000	2535	DFT-s-OFDM 16 QAM	1@23	22.74	23.54	0.2259
7	15	5	531000	2535	DFT-s-OFDM 64 QAM	12@6	21.17	21.97	0.1574
7	15	5	531000	2535	DFT-s-OFDM 64 QAM	1@1	21.23	22.03	0.1596
7	15	5	531000	2535	DFT-s-OFDM 64 QAM	1@23	21.29	22.09	0.1618
7	15	5	531000	2535	DFT-s-OFDM 256 QAM	12@6	18.82	19.62	0.0916
7	15	5	531000	2535	DFT-s-OFDM 256 QAM	1@1	18.56	19.36	0.0863
7	15	5	531000	2535	DFT-s-OFDM 256 QAM	1@23	18.63	19.43	0.0877
7	15	5	531000	2535	CP-OFDM QPSK	13@6	22.05	22.85	0.1928
7	15	5	531000	2535	CP-OFDM QPSK	1@1	22.11	22.91	0.1954
7	15	5	531000	2535	CP-OFDM QPSK	1@23	21.77	22.57	0.1807
7	15	5	537500	2567.5	DFT-s-OFDM PI/2 BPSK	12@6	23.41	24.21	0.2636
7	15	5	537500	2567.5	DFT-s-OFDM PI/2 BPSK	1@1	23.39	24.19	0.2624
7	15	5	537500	2567.5	DFT-s-OFDM PI/2 BPSK	1@23	23.39	24.19	0.2624
7	15	5	537500	2567.5	DFT-s-OFDM QPSK	12@6	23.46	24.26	0.2667
7	15	5	537500	2567.5	DFT-s-OFDM QPSK	1@1	23.5	24.3	0.2692
7	15	5	537500	2567.5	DFT-s-OFDM QPSK	1@23	23.7	24.5	0.2818
7	15	5	537500	2567.5	DFT-s-OFDM 16	12@6	22.37	23.17	0.2075

QAM										
7	15	5	537500	2567.5	DFT-s-OFDM 16 QAM	1@1	22.57	23.37	0.2173	
7	15	5	537500	2567.5	DFT-s-OFDM 16 QAM	1@23	22.67	23.47	0.2223	
7	15	5	537500	2567.5	DFT-s-OFDM 64 QAM	12@6	21.08	21.88	0.1542	
7	15	5	537500	2567.5	DFT-s-OFDM 64 QAM	1@1	21.15	21.95	0.1567	
7	15	5	537500	2567.5	DFT-s-OFDM 64 QAM	1@23	21.17	21.97	0.1574	
7	15	5	537500	2567.5	DFT-s-OFDM 256 QAM	12@6	18.65	19.45	0.0881	
7	15	5	537500	2567.5	DFT-s-OFDM 256 QAM	1@1	18.64	19.44	0.0879	
7	15	5	537500	2567.5	DFT-s-OFDM 256 QAM	1@23	18.74	19.54	0.0899	
7	15	5	537500	2567.5	CP-OFDM QPSK	13@6	21.94	22.74	0.1879	
7	15	5	537500	2567.5	CP-OFDM QPSK	1@1	22.06	22.86	0.1932	
7	15	5	537500	2567.5	CP-OFDM QPSK	1@23	21.64	22.44	0.1754	
7	15	10	525000	2505	DFT-s-OFDM PI/2 BPSK	25@12	23.49	24.29	0.2685	
7	15	10	525000	2505	DFT-s-OFDM PI/2 BPSK	1@1	23.37	24.17	0.2612	
7	15	10	525000	2505	DFT-s-OFDM PI/2 BPSK	1@50	23.42	24.22	0.2642	
7	15	10	525000	2505	DFT-s-OFDM QPSK	25@12	23.57	24.37	0.2735	
7	15	10	525000	2505	DFT-s-OFDM QPSK	1@1	23.56	24.36	0.2729	
7	15	10	525000	2505	DFT-s-OFDM QPSK	1@50	23.75	24.55	0.2851	
7	15	10	525000	2505	DFT-s-OFDM 16 QAM	25@12	22.55	23.35	0.2163	
7	15	10	525000	2505	DFT-s-OFDM 16 QAM	1@1	22.66	23.46	0.2218	
7	15	10	525000	2505	DFT-s-OFDM 16 QAM	1@50	22.72	23.52	0.2249	
7	15	10	525000	2505	DFT-s-OFDM 64 QAM	25@12	21.2	22	0.1585	
7	15	10	525000	2505	DFT-s-OFDM 64 QAM	1@1	21.24	22.04	0.1600	
7	15	10	525000	2505	DFT-s-OFDM 64 QAM	1@50	21.21	22.01	0.1589	

7	15	10	525000	2505	DFT-s-OFDM 256 QAM	25@12	18.65	19.45	0.0881
7	15	10	525000	2505	DFT-s-OFDM 256 QAM	1@1	18.5	19.3	0.0851
7	15	10	525000	2505	DFT-s-OFDM 256 QAM	1@50	18.56	19.36	0.0863
7	15	10	525000	2505	CP-OFDM QPSK	26@13	21.97	22.77	0.1892
7	15	10	525000	2505	CP-OFDM QPSK	1@1	22.1	22.9	0.1950
7	15	10	525000	2505	CP-OFDM QPSK	1@50	21.78	22.58	0.1811
7	15	10	531000	2535	DFT-s-OFDM PI/2 BPSK	25@12	23.54	24.34	0.2716
7	15	10	531000	2535	DFT-s-OFDM PI/2 BPSK	1@1	23.5	24.3	0.2692
7	15	10	531000	2535	DFT-s-OFDM PI/2 BPSK	1@50	23.51	24.31	0.2698
7	15	10	531000	2535	DFT-s-OFDM QPSK	25@12	23.56	24.36	0.2729
7	15	10	531000	2535	DFT-s-OFDM QPSK	1@1	23.62	24.42	0.2767
7	15	10	531000	2535	DFT-s-OFDM QPSK	1@50	23.79	24.59	0.2877
7	15	10	531000	2535	DFT-s-OFDM 16 QAM	25@12	22.65	23.45	0.2213
7	15	10	531000	2535	DFT-s-OFDM 16 QAM	1@1	22.67	23.47	0.2223
7	15	10	531000	2535	DFT-s-OFDM 16 QAM	1@50	22.76	23.56	0.2270
7	15	10	531000	2535	DFT-s-OFDM 64 QAM	25@12	21.21	22.01	0.1589
7	15	10	531000	2535	DFT-s-OFDM 64 QAM	1@1	21.22	22.02	0.1592
7	15	10	531000	2535	DFT-s-OFDM 64 QAM	1@50	21.31	22.11	0.1626
7	15	10	531000	2535	DFT-s-OFDM 256 QAM	25@12	18.65	19.45	0.0881
7	15	10	531000	2535	DFT-s-OFDM 256 QAM	1@1	18.78	19.58	0.0908
7	15	10	531000	2535	DFT-s-OFDM 256 QAM	1@50	18.81	19.61	0.0914
7	15	10	531000	2535	CP-OFDM QPSK	26@13	22.04	22.84	0.1923
7	15	10	531000	2535	CP-OFDM QPSK	1@1	22.19	22.99	0.1991
7	15	10	531000	2535	CP-OFDM QPSK	1@50	21.88	22.68	0.1854

7	15	10	537000	2565	DFT-s-OFDM PI/2 BPSK	25@12	23.51	24.31	0.2698
7	15	10	537000	2565	DFT-s-OFDM PI/2 BPSK	1@1	23.45	24.25	0.2661
7	15	10	537000	2565	DFT-s-OFDM PI/2 BPSK	1@50	23.45	24.25	0.2661
7	15	10	537000	2565	DFT-s-OFDM QPSK	25@12	23.56	24.36	0.2729
7	15	10	537000	2565	DFT-s-OFDM QPSK	1@1	23.63	24.43	0.2773
7	15	10	537000	2565	DFT-s-OFDM QPSK	1@50	23.7	24.5	0.2818
7	15	10	537000	2565	DFT-s-OFDM 16 QAM	25@12	22.58	23.38	0.2178
7	15	10	537000	2565	DFT-s-OFDM 16 QAM	1@1	22.66	23.46	0.2218
7	15	10	537000	2565	DFT-s-OFDM 16 QAM	1@50	22.73	23.53	0.2254
7	15	10	537000	2565	DFT-s-OFDM 64 QAM	25@12	21.18	21.98	0.1578
7	15	10	537000	2565	DFT-s-OFDM 64 QAM	1@1	21.2	22	0.1585
7	15	10	537000	2565	DFT-s-OFDM 64 QAM	1@50	21.23	22.03	0.1596
7	15	10	537000	2565	DFT-s-OFDM 256 QAM	25@12	18.65	19.45	0.0881
7	15	10	537000	2565	DFT-s-OFDM 256 QAM	1@1	18.55	19.35	0.0861
7	15	10	537000	2565	DFT-s-OFDM 256 QAM	1@50	18.56	19.36	0.0863
7	15	10	537000	2565	CP-OFDM QPSK	26@13	21.98	22.78	0.1897
7	15	10	537000	2565	CP-OFDM QPSK	1@1	22.12	22.92	0.1959
7	15	10	537000	2565	CP-OFDM QPSK	1@50	21.73	22.53	0.1791
7	15	15	525500	2507.5	DFT-s-OFDM PI/2 BPSK	36@18	23.44	24.24	0.2655
7	15	15	525500	2507.5	DFT-s-OFDM PI/2 BPSK	1@1	23.33	24.13	0.2588
7	15	15	525500	2507.5	DFT-s-OFDM PI/2 BPSK	1@77	23.36	24.16	0.2606
7	15	15	525500	2507.5	DFT-s-OFDM QPSK	36@18	23.41	24.21	0.2636
7	15	15	525500	2507.5	DFT-s-OFDM QPSK	1@1	23.36	24.16	0.2606
7	15	15	525500	2507.5	DFT-s-OFDM	1@77	23.41	24.21	0.2636

QPSK									
7	15	15	525500	2507.5	DFT-s-OFDM 16 QAM	36@18	22.41	23.21	0.2094
7	15	15	525500	2507.5	DFT-s-OFDM 16 QAM	1@1	22.47	23.27	0.2123
7	15	15	525500	2507.5	DFT-s-OFDM 16 QAM	1@77	22.56	23.36	0.2168
7	15	15	525500	2507.5	DFT-s-OFDM 64 QAM	36@18	20.98	21.78	0.1507
7	15	15	525500	2507.5	DFT-s-OFDM 64 QAM	1@1	20.98	21.78	0.1507
7	15	15	525500	2507.5	DFT-s-OFDM 64 QAM	1@77	21.07	21.87	0.1538
7	15	15	525500	2507.5	DFT-s-OFDM 256 QAM	36@18	18.68	19.48	0.0887
7	15	15	525500	2507.5	DFT-s-OFDM 256 QAM	1@1	18.6	19.4	0.0871
7	15	15	525500	2507.5	DFT-s-OFDM 256 QAM	1@77	18.59	19.39	0.0869
7	15	15	525500	2507.5	CP-OFDM QPSK	39@19	22.03	22.83	0.1919
7	15	15	525500	2507.5	CP-OFDM QPSK	1@1	21.9	22.7	0.1862
7	15	15	525500	2507.5	CP-OFDM QPSK	1@77	21.6	22.4	0.1738
7	15	15	531000	2535	DFT-s-OFDM PI/2 BPSK	36@18	23.53	24.33	0.2710
7	15	15	531000	2535	DFT-s-OFDM PI/2 BPSK	1@1	23.34	24.14	0.2594
7	15	15	531000	2535	DFT-s-OFDM PI/2 BPSK	1@77	23.46	24.26	0.2667
7	15	15	531000	2535	DFT-s-OFDM QPSK	36@18	23.56	24.36	0.2729
7	15	15	531000	2535	DFT-s-OFDM QPSK	1@1	23.36	24.16	0.2606
7	15	15	531000	2535	DFT-s-OFDM QPSK	1@77	23.55	24.35	0.2723
7	15	15	531000	2535	DFT-s-OFDM 16 QAM	36@18	22.6	23.4	0.2188
7	15	15	531000	2535	DFT-s-OFDM 16 QAM	1@1	22.51	23.31	0.2143
7	15	15	531000	2535	DFT-s-OFDM 16 QAM	1@77	22.69	23.49	0.2234
7	15	15	531000	2535	DFT-s-OFDM 64 QAM	36@18	21.15	21.95	0.1567
7	15	15	531000	2535	DFT-s-OFDM 64 QAM	1@1	20.91	21.71	0.1483

7	15	15	531000	2535	DFT-s-OFDM 64 QAM	1@77	21.17	21.97	0.1574
7	15	15	531000	2535	DFT-s-OFDM 256 QAM	36@18	18.68	19.48	0.0887
7	15	15	531000	2535	DFT-s-OFDM 256 QAM	1@1	18.59	19.39	0.0869
7	15	15	531000	2535	DFT-s-OFDM 256 QAM	1@77	18.77	19.57	0.0906
7	15	15	531000	2535	CP-OFDM QPSK	39@19	22.11	22.91	0.1954
7	15	15	531000	2535	CP-OFDM QPSK	1@1	22.04	22.84	0.1923
7	15	15	531000	2535	CP-OFDM QPSK	1@77	21.77	22.57	0.1807
7	15	15	536500	2562.5	DFT-s-OFDM PI/2 BPSK	36@18	23.37	24.17	0.2612
7	15	15	536500	2562.5	DFT-s-OFDM PI/2 BPSK	1@1	23.27	24.07	0.2553
7	15	15	536500	2562.5	DFT-s-OFDM PI/2 BPSK	1@77	23.27	24.07	0.2553
7	15	15	536500	2562.5	DFT-s-OFDM QPSK	36@18	23.44	24.24	0.2655
7	15	15	536500	2562.5	DFT-s-OFDM QPSK	1@1	23.37	24.17	0.2612
7	15	15	536500	2562.5	DFT-s-OFDM QPSK	1@77	23.34	24.14	0.2594
7	15	15	536500	2562.5	DFT-s-OFDM 16 QAM	36@18	22.45	23.25	0.2113
7	15	15	536500	2562.5	DFT-s-OFDM 16 QAM	1@1	22.54	23.34	0.2158
7	15	15	536500	2562.5	DFT-s-OFDM 16 QAM	1@77	22.54	23.34	0.2158
7	15	15	536500	2562.5	DFT-s-OFDM 64 QAM	36@18	20.98	21.78	0.1507
7	15	15	536500	2562.5	DFT-s-OFDM 64 QAM	1@1	21.03	21.83	0.1524
7	15	15	536500	2562.5	DFT-s-OFDM 64 QAM	1@77	21.03	21.83	0.1524
7	15	15	536500	2562.5	DFT-s-OFDM 256 QAM	36@18	18.65	19.45	0.0881
7	15	15	536500	2562.5	DFT-s-OFDM 256 QAM	1@1	18.53	19.33	0.0857
7	15	15	536500	2562.5	DFT-s-OFDM 256 QAM	1@77	18.6	19.4	0.0871
7	15	15	536500	2562.5	CP-OFDM QPSK	39@19	21.94	22.74	0.1879
7	15	15	536500	2562.5	CP-OFDM QPSK	1@1	21.79	22.59	0.1816

7	15	15	536500	2562.5	CP-OFDM QPSK	1@77	21.61	22.41	0.1742
7	15	20	526000	2510	DFT-s- OFDM PI/2 BPSK	50@25	23.45	24.25	0.2661
7	15	20	526000	2510	DFT-s- OFDM PI/2 BPSK	1@1	23.26	24.06	0.2547
7	15	20	526000	2510	DFT-s- OFDM PI/2 BPSK	1@104	23.45	24.25	0.2661
7	15	20	526000	2510	DFT-s- OFDM QPSK	50@25	23.43	24.23	0.2649
7	15	20	526000	2510	DFT-s- OFDM QPSK	1@1	23.49	24.29	0.2685
7	15	20	526000	2510	DFT-s- OFDM QPSK	1@104	23.55	24.35	0.2723
7	15	20	526000	2510	DFT-s- OFDM 16 QAM	50@25	22.38	23.18	0.2080
7	15	20	526000	2510	DFT-s- OFDM 16 QAM	1@1	22.47	23.27	0.2123
7	15	20	526000	2510	DFT-s- OFDM 16 QAM	1@104	22.47	23.27	0.2123
7	15	20	526000	2510	DFT-s- OFDM 64 QAM	50@25	20.95	21.75	0.1496
7	15	20	526000	2510	DFT-s- OFDM 64 QAM	1@1	21.01	21.81	0.1517
7	15	20	526000	2510	DFT-s- OFDM 64 QAM	1@104	21	21.8	0.1514
7	15	20	526000	2510	DFT-s- OFDM 256 QAM	50@25	18.9	19.7	0.0933
7	15	20	526000	2510	DFT-s- OFDM 256 QAM	1@1	18.7	19.5	0.0891
7	15	20	526000	2510	DFT-s- OFDM 256 QAM	1@104	18.72	19.52	0.0895
7	15	20	526000	2510	CP-OFDM QPSK	53@26	21.92	22.72	0.1871
7	15	20	526000	2510	CP-OFDM QPSK	1@1	21.64	22.44	0.1754
7	15	20	526000	2510	CP-OFDM QPSK	1@104	21.64	22.44	0.1754
7	15	20	531000	2535	DFT-s- OFDM PI/2 BPSK	50@25	23.55	24.35	0.2723
7	15	20	531000	2535	DFT-s- OFDM PI/2 BPSK	1@1	23.36	24.16	0.2606
7	15	20	531000	2535	DFT-s- OFDM PI/2 BPSK	1@104	23.51	24.31	0.2698
7	15	20	531000	2535	DFT-s- OFDM QPSK	50@25	23.58	24.38	0.2742
7	15	20	531000	2535	DFT-s- OFDM QPSK	1@1	23.51	24.31	0.2698



7	15	20	531000	2535	DFT-s-OFDM QPSK	1@104	23.67	24.47	0.2799
7	15	20	531000	2535	DFT-s-OFDM 16 QAM	50@25	22.57	23.37	0.2173
7	15	20	531000	2535	DFT-s-OFDM 16 QAM	1@1	22.55	23.35	0.2163
7	15	20	531000	2535	DFT-s-OFDM 16 QAM	1@104	22.69	23.49	0.2234
7	15	20	531000	2535	DFT-s-OFDM 64 QAM	50@25	21.19	21.99	0.1581
7	15	20	531000	2535	DFT-s-OFDM 64 QAM	1@1	21.11	21.91	0.1552
7	15	20	531000	2535	DFT-s-OFDM 64 QAM	1@104	21.2	22	0.1585
7	15	20	531000	2535	DFT-s-OFDM 256 QAM	50@25	18.65	19.45	0.0881
7	15	20	531000	2535	DFT-s-OFDM 256 QAM	1@1	18.72	19.52	0.0895
7	15	20	531000	2535	DFT-s-OFDM 256 QAM	1@104	18.86	19.66	0.0925
7	15	20	531000	2535	CP-OFDM QPSK	53@26	22.07	22.87	0.1936
7	15	20	531000	2535	CP-OFDM QPSK	1@1	21.81	22.61	0.1824
7	15	20	531000	2535	CP-OFDM QPSK	1@104	21.77	22.57	0.1807
7	15	20	536000	2560	DFT-s-OFDM PI/2 BPSK	50@25	23.39	24.19	0.2624
7	15	20	536000	2560	DFT-s-OFDM PI/2 BPSK	1@1	23.32	24.12	0.2582
7	15	20	536000	2560	DFT-s-OFDM PI/2 BPSK	1@104	23.29	24.09	0.2564
7	15	20	536000	2560	DFT-s-OFDM QPSK	50@25	23.52	24.32	0.2704
7	15	20	536000	2560	DFT-s-OFDM QPSK	1@1	23.54	24.34	0.2716
7	15	20	536000	2560	DFT-s-OFDM QPSK	1@104	23.51	24.31	0.2698
7	15	20	536000	2560	DFT-s-OFDM 16 QAM	50@25	22.45	23.25	0.2113
7	15	20	536000	2560	DFT-s-OFDM 16 QAM	1@1	22.56	23.36	0.2168
7	15	20	536000	2560	DFT-s-OFDM 16 QAM	1@104	22.52	23.32	0.2148
7	15	20	536000	2560	DFT-s-OFDM 64 QAM	50@25	21.02	21.82	0.1521
7	15	20	536000	2560	DFT-s-OFDM 64 QAM	1@1	21.08	21.88	0.1542

QAM									
7	15	20	536000	2560	DFT-s-OFDM 64 QAM	1@104	21.06	21.86	0.1535
7	15	20	536000	2560	DFT-s-OFDM 256 QAM	50@25	18.62	19.42	0.0875
7	15	20	536000	2560	DFT-s-OFDM 256 QAM	1@1	18.69	19.49	0.0889
7	15	20	536000	2560	DFT-s-OFDM 256 QAM	1@104	18.67	19.47	0.0885
7	15	20	536000	2560	CP-OFDM QPSK	53@26	21.94	22.74	0.1879
7	15	20	536000	2560	CP-OFDM QPSK	1@1	21.73	22.53	0.1791
7	15	20	536000	2560	CP-OFDM QPSK	1@104	21.54	22.34	0.1714
7	15	25	526500	2512.5	DFT-s-OFDM PI/2 BPSK	64@32	23.42	24.22	0.2642
7	15	25	526500	2512.5	DFT-s-OFDM PI/2 BPSK	1@1	23.36	24.16	0.2606
7	15	25	526500	2512.5	DFT-s-OFDM PI/2 BPSK	1@131	23.45	24.25	0.2661
7	15	25	526500	2512.5	DFT-s-OFDM QPSK	64@32	23.48	24.28	0.2679
7	15	25	526500	2512.5	DFT-s-OFDM QPSK	1@1	23.58	24.38	0.2742
7	15	25	526500	2512.5	DFT-s-OFDM QPSK	1@131	23.64	24.44	0.2780
7	15	25	526500	2512.5	DFT-s-OFDM 16 QAM	64@32	22.46	23.26	0.2118
7	15	25	526500	2512.5	DFT-s-OFDM 16 QAM	1@1	22.6	23.4	0.2188
7	15	25	526500	2512.5	DFT-s-OFDM 16 QAM	1@131	22.65	23.45	0.2213
7	15	25	526500	2512.5	DFT-s-OFDM 64 QAM	64@32	21.01	21.81	0.1517
7	15	25	526500	2512.5	DFT-s-OFDM 64 QAM	1@1	21.11	21.91	0.1552
7	15	25	526500	2512.5	DFT-s-OFDM 64 QAM	1@131	21.16	21.96	0.1570
7	15	25	526500	2512.5	DFT-s-OFDM 256 QAM	64@32	18.97	19.77	0.0948
7	15	25	526500	2512.5	DFT-s-OFDM 256 QAM	1@1	18.73	19.53	0.0897
7	15	25	526500	2512.5	DFT-s-OFDM 256 QAM	1@131	18.72	19.52	0.0895
7	15	25	526500	2512.5	CP-OFDM QPSK	67@33	22.02	22.82	0.1914

7	15	25	526500	2512.5	CP-OFDM QPSK	1@1	21.73	22.53	0.1791
7	15	25	526500	2512.5	CP-OFDM QPSK	1@131	21.77	22.57	0.1807
7	15	25	531000	2535	DFT-s- OFDM PI/2 BPSK	64@32	23.56	24.36	0.2729
7	15	25	531000	2535	DFT-s- OFDM PI/2 BPSK	1@1	23.38	24.18	0.2618
7	15	25	531000	2535	DFT-s- OFDM PI/2 BPSK	1@131	23.59	24.39	0.2748
7	15	25	531000	2535	DFT-s- OFDM QPSK	64@32	23.64	24.44	0.2780
7	15	25	531000	2535	DFT-s- OFDM QPSK	1@1	23.61	24.41	0.2761
7	15	25	531000	2535	DFT-s- OFDM QPSK	1@131	23.8	24.6	0.2884
7	15	25	531000	2535	DFT-s- OFDM 16 QAM	64@32	22.56	23.36	0.2168
7	15	25	531000	2535	DFT-s- OFDM 16 QAM	1@1	22.63	23.43	0.2203
7	15	25	531000	2535	DFT-s- OFDM 16 QAM	1@131	22.76	23.56	0.2270
7	15	25	531000	2535	DFT-s- OFDM 64 QAM	64@32	21.05	21.85	0.1531
7	15	25	531000	2535	DFT-s- OFDM 64 QAM	1@1	21.1	21.9	0.1549
7	15	25	531000	2535	DFT-s- OFDM 64 QAM	1@131	21.32	22.12	0.1629
7	15	25	531000	2535	DFT-s- OFDM 256 QAM	64@32	18.65	19.45	0.0881
7	15	25	531000	2535	DFT-s- OFDM 256 QAM	1@1	18.73	19.53	0.0897
7	15	25	531000	2535	DFT-s- OFDM 256 QAM	1@131	18.84	19.64	0.0920
7	15	25	531000	2535	CP-OFDM QPSK	67@33	22.01	22.81	0.1910
7	15	25	531000	2535	CP-OFDM QPSK	1@1	21.76	22.56	0.1803
7	15	25	531000	2535	CP-OFDM QPSK	1@131	21.87	22.67	0.1849
7	15	25	535500	2557.5	DFT-s- OFDM PI/2 BPSK	64@32	23.51	24.31	0.2698
7	15	25	535500	2557.5	DFT-s- OFDM PI/2 BPSK	1@1	23.46	24.26	0.2667
7	15	25	535500	2557.5	DFT-s- OFDM PI/2 BPSK	1@131	23.22	24.02	0.2523
7	15	25	535500	2557.5	DFT-s- OFDM QPSK	64@32	23.45	24.25	0.2661

7	15	25	535500	2557.5	DFT-s-OFDM QPSK	1@1	23.62	24.42	0.2767
7	15	25	535500	2557.5	DFT-s-OFDM QPSK	1@131	23.7	24.5	0.2818
7	15	25	535500	2557.5	DFT-s-OFDM 16 QAM	64@32	22.49	23.29	0.2133
7	15	25	535500	2557.5	DFT-s-OFDM 16 QAM	1@1	22.7	23.5	0.2239
7	15	25	535500	2557.5	DFT-s-OFDM 16 QAM	1@131	22.62	23.42	0.2198
7	15	25	535500	2557.5	DFT-s-OFDM 64 QAM	64@32	21.06	21.86	0.1535
7	15	25	535500	2557.5	DFT-s-OFDM 64 QAM	1@1	21.22	22.02	0.1592
7	15	25	535500	2557.5	DFT-s-OFDM 64 QAM	1@131	21.14	21.94	0.1563
7	15	25	535500	2557.5	DFT-s-OFDM 256 QAM	64@32	18.21	19.01	0.0796
7	15	25	535500	2557.5	DFT-s-OFDM 256 QAM	1@1	18.8	19.6	0.0912
7	15	25	535500	2557.5	DFT-s-OFDM 256 QAM	1@131	18.8	19.6	0.0912
7	15	25	535500	2557.5	CP-OFDM QPSK	67@33	21.98	22.78	0.1897
7	15	25	535500	2557.5	CP-OFDM QPSK	1@1	21.86	22.66	0.1845
7	15	25	535500	2557.5	CP-OFDM QPSK	1@131	21.8	22.6	0.1820
7	15	30	527000	2515	DFT-s-OFDM PI/2 BPSK	80@40	23.41	24.21	0.2636
7	15	30	527000	2515	DFT-s-OFDM PI/2 BPSK	1@1	23.34	24.14	0.2594
7	15	30	527000	2515	DFT-s-OFDM PI/2 BPSK	1@158	23.48	24.28	0.2679
7	15	30	527000	2515	DFT-s-OFDM QPSK	80@40	23.45	24.25	0.2661
7	15	30	527000	2515	DFT-s-OFDM QPSK	1@1	23.59	24.39	0.2748
7	15	30	527000	2515	DFT-s-OFDM QPSK	1@158	23.7	24.5	0.2818
7	15	30	527000	2515	DFT-s-OFDM 16 QAM	80@40	22.5	23.3	0.2138
7	15	30	527000	2515	DFT-s-OFDM 16 QAM	1@1	22.63	23.43	0.2203
7	15	30	527000	2515	DFT-s-OFDM 16 QAM	1@158	22.72	23.52	0.2249
7	15	30	527000	2515	DFT-s-OFDM 64	80@40	21.03	21.83	0.1524

QAM									
7	15	30	527000	2515	DFT-s-OFDM 64 QAM	1@1	21.15	21.95	0.1567
7	15	30	527000	2515	DFT-s-OFDM 64 QAM	1@158	21.21	22.01	0.1589
7	15	30	527000	2515	DFT-s-OFDM 256 QAM	80@40	18.91	19.71	0.0935
7	15	30	527000	2515	DFT-s-OFDM 256 QAM	1@1	18.74	19.54	0.0899
7	15	30	527000	2515	DFT-s-OFDM 256 QAM	1@158	18.85	19.65	0.0923
7	15	30	527000	2515	CP-OFDM QPSK	80@40	21.93	22.73	0.1875
7	15	30	527000	2515	CP-OFDM QPSK	1@1	21.74	22.54	0.1795
7	15	30	527000	2515	CP-OFDM QPSK	1@158	22.05	22.85	0.1928
7	15	30	531000	2535	DFT-s-OFDM PI/2 BPSK	80@40	23.57	24.37	0.2735
7	15	30	531000	2535	DFT-s-OFDM PI/2 BPSK	1@1	23.38	24.18	0.2618
7	15	30	531000	2535	DFT-s-OFDM PI/2 BPSK	1@158	23.57	24.37	0.2735
7	15	30	531000	2535	DFT-s-OFDM QPSK	80@40	23.64	24.44	0.2780
7	15	30	531000	2535	DFT-s-OFDM QPSK	1@1	23.59	24.39	0.2748
7	15	30	531000	2535	DFT-s-OFDM QPSK	1@158	23.81	24.61	0.2891
7	15	30	531000	2535	DFT-s-OFDM 16 QAM	80@40	22.56	23.36	0.2168
7	15	30	531000	2535	DFT-s-OFDM 16 QAM	1@1	22.63	23.43	0.2203
7	15	30	531000	2535	DFT-s-OFDM 16 QAM	1@158	22.8	23.6	0.2291
7	15	30	531000	2535	DFT-s-OFDM 64 QAM	80@40	21.04	21.84	0.1528
7	15	30	531000	2535	DFT-s-OFDM 64 QAM	1@1	21.11	21.91	0.1552
7	15	30	531000	2535	DFT-s-OFDM 64 QAM	1@158	21.31	22.11	0.1626
7	15	30	531000	2535	DFT-s-OFDM 256 QAM	80@40	18.65	19.45	0.0881
7	15	30	531000	2535	DFT-s-OFDM 256 QAM	1@1	18.7	19.5	0.0891
7	15	30	531000	2535	DFT-s-OFDM 256 QAM	1@158	18.89	19.69	0.0931

7	15	30	531000	2535	CP-OFDM QPSK	80@40	22.02	22.82	0.1914
7	15	30	531000	2535	CP-OFDM QPSK	1@1	21.76	22.56	0.1803
7	15	30	531000	2535	CP-OFDM QPSK	1@158	21.92	22.72	0.1871
7	15	30	535000	2555	DFT-s- OFDM PI/2 BPSK	80@40	23.47	24.27	0.2673
7	15	30	535000	2555	DFT-s- OFDM PI/2 BPSK	1@1	23.49	24.29	0.2685
7	15	30	535000	2555	DFT-s- OFDM PI/2 BPSK	1@158	23.4	24.2	0.2630
7	15	30	535000	2555	DFT-s- OFDM QPSK	80@40	23.55	24.35	0.2723
7	15	30	535000	2555	DFT-s- OFDM QPSK	1@1	23.65	24.45	0.2786
7	15	30	535000	2555	DFT-s- OFDM QPSK	1@158	23.64	24.44	0.2780
7	15	30	535000	2555	DFT-s- OFDM 16 QAM	80@40	22.59	23.39	0.2183
7	15	30	535000	2555	DFT-s- OFDM 16 QAM	1@1	22.72	23.52	0.2249
7	15	30	535000	2555	DFT-s- OFDM 16 QAM	1@158	22.71	23.51	0.2244
7	15	30	535000	2555	DFT-s- OFDM 64 QAM	80@40	21.12	21.92	0.1556
7	15	30	535000	2555	DFT-s- OFDM 64 QAM	1@1	21.26	22.06	0.1607
7	15	30	535000	2555	DFT-s- OFDM 64 QAM	1@158	21.19	21.99	0.1581
7	15	30	535000	2555	DFT-s- OFDM 256 QAM	80@40	18.62	19.42	0.0875
7	15	30	535000	2555	DFT-s- OFDM 256 QAM	1@1	18.82	19.62	0.0916
7	15	30	535000	2555	DFT-s- OFDM 256 QAM	1@158	18.75	19.55	0.0902
7	15	30	535000	2555	CP-OFDM QPSK	80@40	22	22.8	0.1905
7	15	30	535000	2555	CP-OFDM QPSK	1@1	21.89	22.69	0.1858
7	15	30	535000	2555	CP-OFDM QPSK	1@158	21.76	22.56	0.1803
7	15	40	528000	2520	DFT-s- OFDM PI/2 BPSK	108@54	23.49	24.29	0.2685
7	15	40	528000	2520	DFT-s- OFDM PI/2 BPSK	1@1	23.35	24.15	0.2600
7	15	40	528000	2520	DFT-s- OFDM PI/2 BPSK	1@214	23.64	24.44	0.2780

7	15	40	528000	2520	DFT-s-OFDM QPSK	108@54	23.54	24.34	0.2716
7	15	40	528000	2520	DFT-s-OFDM QPSK	1@1	23.56	24.36	0.2729
7	15	40	528000	2520	DFT-s-OFDM QPSK	1@214	23.74	24.54	0.2844
7	15	40	528000	2520	DFT-s-OFDM 16 QAM	108@54	22.54	23.34	0.2158
7	15	40	528000	2520	DFT-s-OFDM 16 QAM	1@1	22.61	23.41	0.2193
7	15	40	528000	2520	DFT-s-OFDM 16 QAM	1@214	22.86	23.66	0.2323
7	15	40	528000	2520	DFT-s-OFDM 64 QAM	108@54	21.05	21.85	0.1531
7	15	40	528000	2520	DFT-s-OFDM 64 QAM	1@1	21.05	21.85	0.1531
7	15	40	528000	2520	DFT-s-OFDM 64 QAM	1@214	21.35	22.15	0.1641
7	15	40	528000	2520	DFT-s-OFDM 256 QAM	108@54	18.98	19.78	0.0951
7	15	40	528000	2520	DFT-s-OFDM 256 QAM	1@1	18.76	19.56	0.0904
7	15	40	528000	2520	DFT-s-OFDM 256 QAM	1@214	19.03	19.83	0.0962
7	15	40	528000	2520	CP-OFDM QPSK	108@54	22.02	22.82	0.1914
7	15	40	528000	2520	CP-OFDM QPSK	1@1	21.66	22.46	0.1762
7	15	40	528000	2520	CP-OFDM QPSK	1@214	21.92	22.72	0.1871
7	15	40	531000	2535	DFT-s-OFDM PI/2 BPSK	108@54	23.59	24.39	0.2748
7	15	40	531000	2535	DFT-s-OFDM PI/2 BPSK	1@1	23.31	24.11	0.2576
7	15	40	531000	2535	DFT-s-OFDM PI/2 BPSK	1@214	23.55	24.35	0.2723
7	15	40	531000	2535	DFT-s-OFDM QPSK	108@54	23.55	24.35	0.2723
7	15	40	531000	2535	DFT-s-OFDM QPSK	1@1	23.55	24.35	0.2723
7	15	40	531000	2535	DFT-s-OFDM QPSK	1@214	23.73	24.53	0.2838
7	15	40	531000	2535	DFT-s-OFDM 16 QAM	108@54	22.58	23.38	0.2178
7	15	40	531000	2535	DFT-s-OFDM 16 QAM	1@1	22.62	23.42	0.2198
7	15	40	531000	2535	DFT-s-OFDM 16 QAM	1@214	22.78	23.58	0.2280

QAM									
7	15	40	531000	2535	DFT-s-OFDM 64 QAM	108@54	21.09	21.89	0.1545
7	15	40	531000	2535	DFT-s-OFDM 64 QAM	1@1	21.05	21.85	0.1531
7	15	40	531000	2535	DFT-s-OFDM 64 QAM	1@214	21.26	22.06	0.1607
7	15	40	531000	2535	DFT-s-OFDM 256 QAM	108@54	18.22	19.02	0.0798
7	15	40	531000	2535	DFT-s-OFDM 256 QAM	1@1	18.69	19.49	0.0889
7	15	40	531000	2535	DFT-s-OFDM 256 QAM	1@214	18.94	19.74	0.0942
7	15	40	531000	2535	CP-OFDM QPSK	108@54	22.04	22.84	0.1923
7	15	40	531000	2535	CP-OFDM QPSK	1@1	21.98	22.78	0.1897
7	15	40	531000	2535	CP-OFDM QPSK	1@214	22.15	22.95	0.1972
7	15	40	534000	2550	DFT-s-OFDM PI/2 BPSK	108@54	23.54	24.34	0.2716
7	15	40	534000	2550	DFT-s-OFDM PI/2 BPSK	1@1	23.39	24.19	0.2624
7	15	40	534000	2550	DFT-s-OFDM PI/2 BPSK	1@214	23.45	24.25	0.2661
7	15	40	534000	2550	DFT-s-OFDM QPSK	108@54	23.65	24.45	0.2786
7	15	40	534000	2550	DFT-s-OFDM QPSK	1@1	23.52	24.32	0.2704
7	15	40	534000	2550	DFT-s-OFDM QPSK	1@214	23.68	24.48	0.2805
7	15	40	534000	2550	DFT-s-OFDM 16 QAM	108@54	22.69	23.49	0.2234
7	15	40	534000	2550	DFT-s-OFDM 16 QAM	1@1	22.67	23.47	0.2223
7	15	40	534000	2550	DFT-s-OFDM 16 QAM	1@214	22.75	23.55	0.2265
7	15	40	534000	2550	DFT-s-OFDM 64 QAM	108@54	21.23	22.03	0.1596
7	15	40	534000	2550	DFT-s-OFDM 64 QAM	1@1	21.17	21.97	0.1574
7	15	40	534000	2550	DFT-s-OFDM 64 QAM	1@214	21.21	22.01	0.1589
7	15	40	534000	2550	DFT-s-OFDM 256 QAM	108@54	19.1	19.9	0.0977
7	15	40	534000	2550	DFT-s-OFDM 256 QAM	1@1	18.83	19.63	0.0918



7	15	40	534000	2550	DFT-s-OFDM 256 QAM	1@214	18.9	19.7	0.0933
7	15	40	534000	2550	CP-OFDM QPSK	108@54	22.11	22.91	0.1954
7	15	40	534000	2550	CP-OFDM QPSK	1@1	21.85	22.65	0.1841
7	15	40	534000	2550	CP-OFDM QPSK	1@214	21.84	22.64	0.1837

## Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	100@0	0.00662	<b>PASS</b>	NV
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	100@0	0.00241	<b>PASS</b>	LV
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	100@0	0.00321	<b>PASS</b>	HV
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	100@0	0.00442	<b>PASS</b>	-30°C
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	100@0	0.00418	<b>PASS</b>	-20°C
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	100@0	0.00634	<b>PASS</b>	-10°C
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	100@0	0.00346	<b>PASS</b>	0°C
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	100@0	0.00313	<b>PASS</b>	10°C
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	100@0	0.00681	<b>PASS</b>	20°C
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	100@0	0.00544	<b>PASS</b>	30°C
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	100@0	0.00553	<b>PASS</b>	40°C
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	100@0	0.00513	<b>PASS</b>	50°C

## Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
7	15	20	526000	2510.0	DFT-s-OFDM PI/2 BPSK	100@0	3.94	13	PASS
7	15	20	526000	2510.0	DFT-s-OFDM PI/2 BPSK	1@0	4.06	13	PASS
7	15	20	526000	2510.0	DFT-s-OFDM QPSK	100@0	5.19	13	PASS
7	15	20	526000	2510.0	DFT-s-OFDM QPSK	1@0	5.22	13	PASS
7	15	20	531000	2535.0	DFT-s-OFDM PI/2 BPSK	100@0	3.85	13	PASS
7	15	20	531000	2535.0	DFT-s-OFDM PI/2 BPSK	1@0	3.72	13	PASS
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	100@0	5.23	13	PASS
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	1@0	5.51	13	PASS
7	15	20	536000	2560.0	DFT-s-OFDM PI/2 BPSK	100@0	3.79	13	PASS
7	15	20	536000	2560.0	DFT-s-OFDM PI/2 BPSK	1@0	3.66	13	PASS
7	15	20	536000	2560.0	DFT-s-OFDM QPSK	100@0	5.15	13	PASS
7	15	20	536000	2560.0	DFT-s-OFDM QPSK	1@0	5.2	13	PASS

N7(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Low\_CH



N7(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Low\_CH



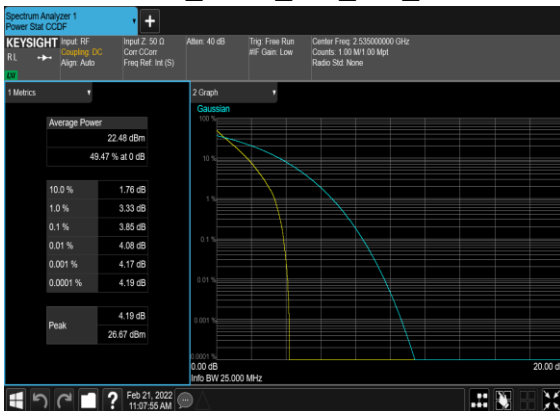
N7(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



N7(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N7(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



N7(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Mid\_CH



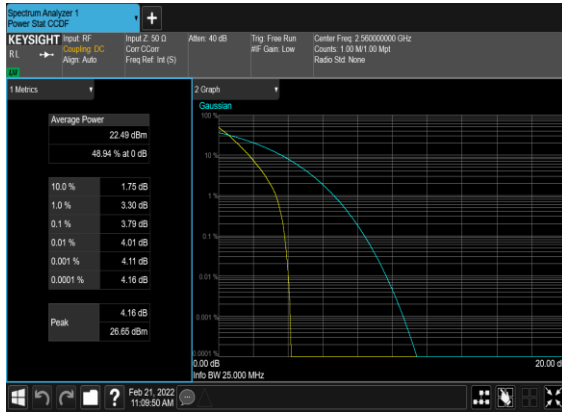
N7(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



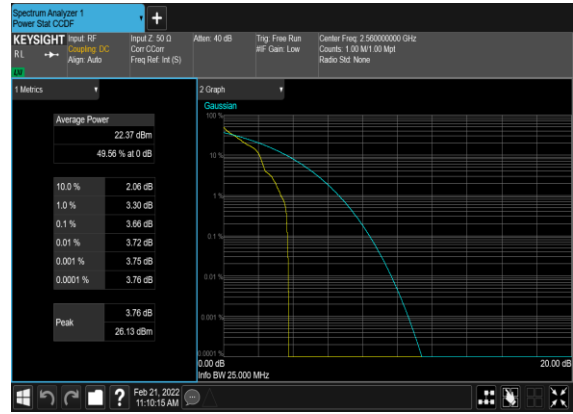
N7(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N7(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_High\_CH



N7(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_High\_CH



N7(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



N7(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

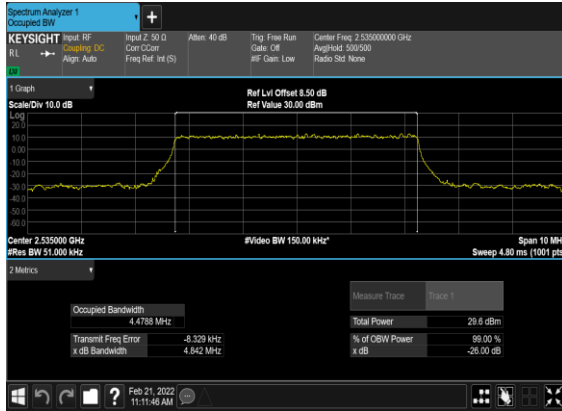


## Occupied Bandwidth

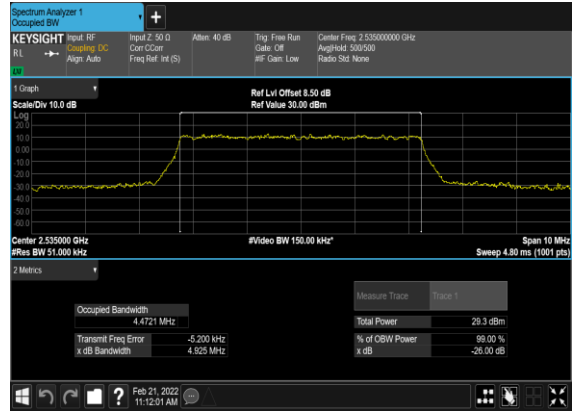
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
7	15	5	531000	2535.0	DFT-s-OFDM PI/2 BPSK	25@0	4.4788	4.842
7	15	5	531000	2535.0	DFT-s-OFDM QPSK	25@0	4.4721	4.925
7	15	5	531000	2535.0	CP-OFDM QPSK	25@0	4.4697	4.91
7	15	5	531000	2535.0	CP-OFDM 16 QAM	25@0	4.4943	4.97
7	15	5	531000	2535.0	CP-OFDM 64 QAM	25@0	4.4613	4.893
7	15	5	531000	2535.0	CP-OFDM 256 QAM	25@0	4.4792	4.935
7	15	10	531000	2535.0	DFT-s-OFDM PI/2 BPSK	50@0	8.891	9.477
7	15	10	531000	2535.0	DFT-s-OFDM QPSK	50@0	8.9255	9.552
7	15	10	531000	2535.0	CP-OFDM QPSK	52@0	9.2738	9.912
7	15	10	531000	2535.0	CP-OFDM 16 QAM	52@0	9.2806	9.894
7	15	10	531000	2535.0	CP-OFDM 64 QAM	52@0	9.2739	9.874
7	15	10	531000	2535.0	CP-OFDM 256 QAM	52@0	9.2824	9.936
7	15	15	531000	2535.0	DFT-s-OFDM PI/2 BPSK	75@0	13.377	14.2
7	15	15	531000	2535.0	DFT-s-OFDM QPSK	75@0	13.408	14.19
7	15	15	531000	2535.0	CP-OFDM QPSK	79@0	14.094	14.88
7	15	15	531000	2535.0	CP-OFDM 16 QAM	79@0	14.094	14.78
7	15	15	531000	2535.0	CP-OFDM 64 QAM	79@0	14.104	14.84
7	15	15	531000	2535.0	CP-OFDM 256 QAM	79@0	14.084	14.81
7	15	20	531000	2535.0	DFT-s-OFDM PI/2 BPSK	100@0	17.895	18.65
7	15	20	531000	2535.0	DFT-s-OFDM QPSK	100@0	17.849	18.74
7	15	20	531000	2535.0	CP-OFDM QPSK	106@0	18.903	19.79
7	15	20	531000	2535.0	CP-OFDM 16 QAM	106@0	18.913	19.77
7	15	20	531000	2535.0	CP-OFDM 64 QAM	106@0	18.909	20.37
7	15	20	531000	2535.0	CP-OFDM 256 QAM	106@0	18.945	19.71

7	15	25	531000	2535.0	DFT-s-OFDM PI/2 BPSK	128@0	22.838	23.8
7	15	25	531000	2535.0	DFT-s-OFDM QPSK	128@0	22.837	23.8
7	15	25	531000	2535.0	CP-OFDM QPSK	133@0	23.715	24.72
7	15	25	531000	2535.0	CP-OFDM 16 QAM	133@0	23.71	24.72
7	15	25	531000	2535.0	CP-OFDM 64 QAM	133@0	23.735	24.62
7	15	25	531000	2535.0	CP-OFDM 256 QAM	133@0	23.737	24.72
7	15	30	531000	2535.0	DFT-s-OFDM PI/2 BPSK	160@0	28.557	29.63
7	15	30	531000	2535.0	DFT-s-OFDM QPSK	160@0	28.495	29.53
7	15	30	531000	2535.0	CP-OFDM QPSK	160@0	28.516	29.63
7	15	30	531000	2535.0	CP-OFDM 16 QAM	160@0	28.548	29.59
7	15	30	531000	2535.0	CP-OFDM 64 QAM	160@0	28.524	29.61
7	15	30	531000	2535.0	CP-OFDM 256 QAM	160@0	28.56	29.58
7	15	40	531000	2535.0	DFT-s-OFDM PI/2 BPSK	216@0	38.515	39.85
7	15	40	531000	2535.0	DFT-s-OFDM QPSK	216@0	38.446	39.88
7	15	40	531000	2535.0	CP-OFDM QPSK	216@0	38.494	39.93
7	15	40	531000	2535.0	CP-OFDM 16 QAM	216@0	38.536	39.89
7	15	40	531000	2535.0	CP-OFDM 64 QAM	216@0	38.571	39.91
7	15	40	531000	2535.0	CP-OFDM 256 QAM	216@0	38.52	39.88

### N7(5M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



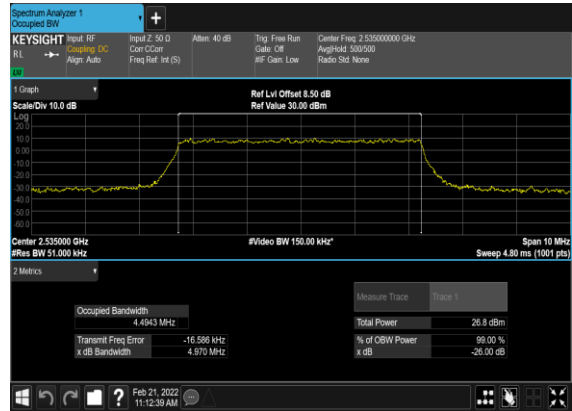
### N7(5M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



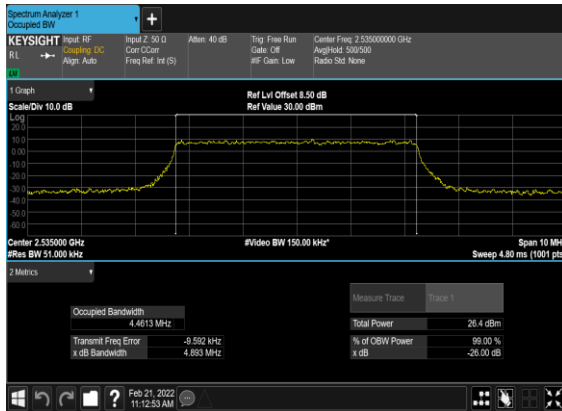
### N7(5M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



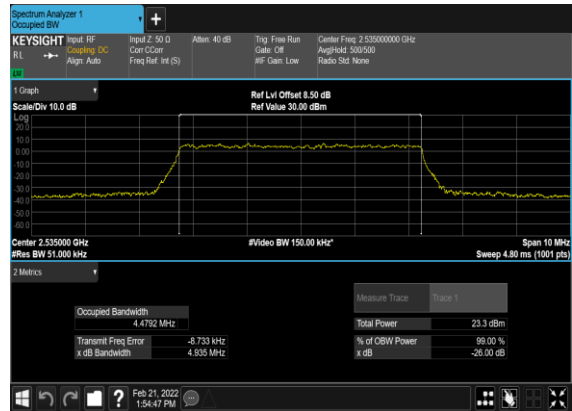
### N7(5M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



### N7(5M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH

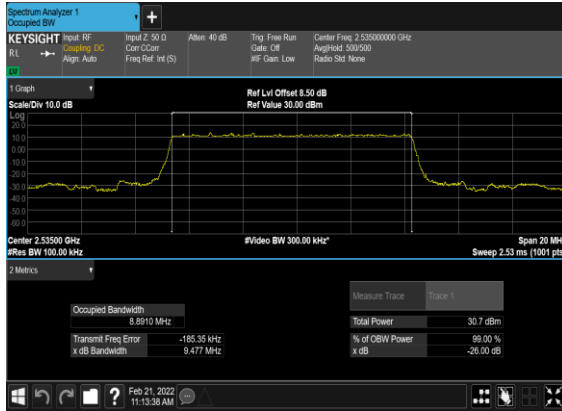


### N7(5M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH

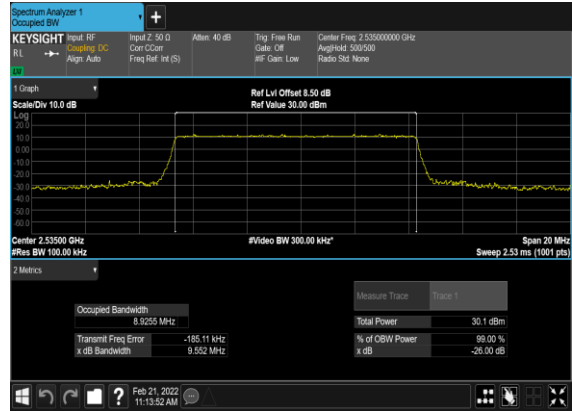




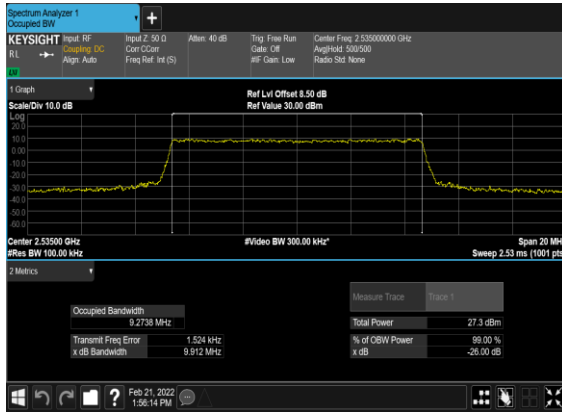
### N7(10M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



### N7(10M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



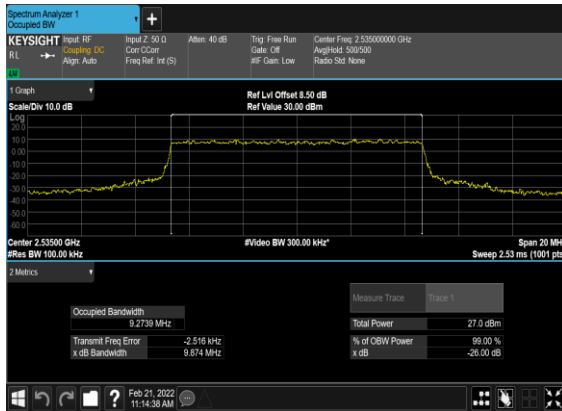
### N7(10M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



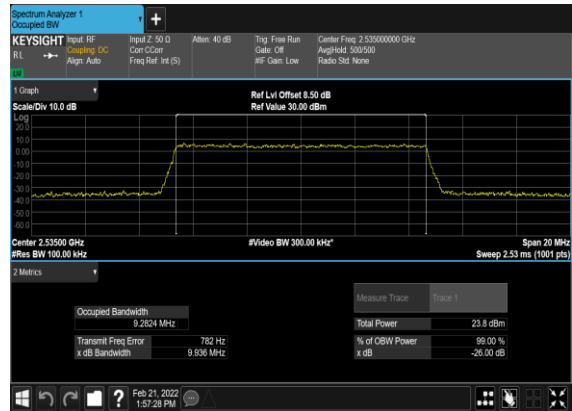
### N7(10M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



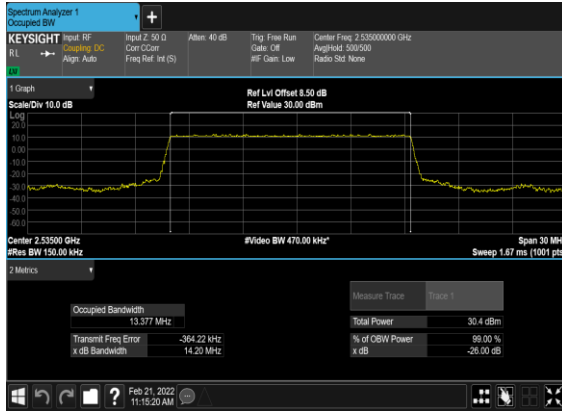
### N7(10M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



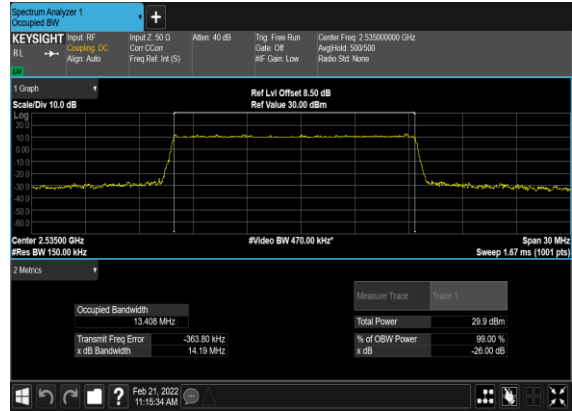
### N7(10M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



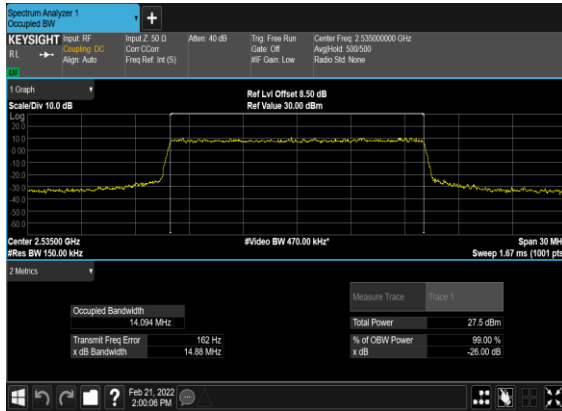
### N7(15M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



### N7(15M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



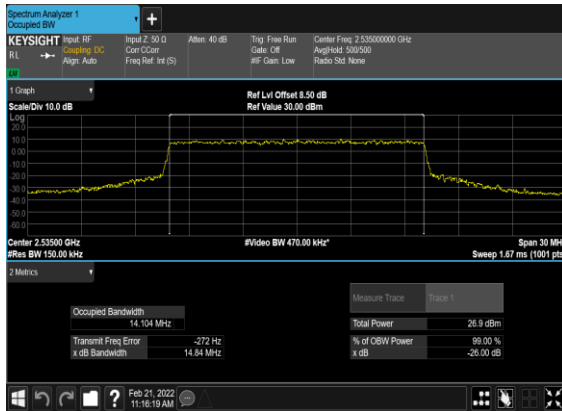
### N7(15M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



### N7(15M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



### N7(15M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



### N7(15M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH

