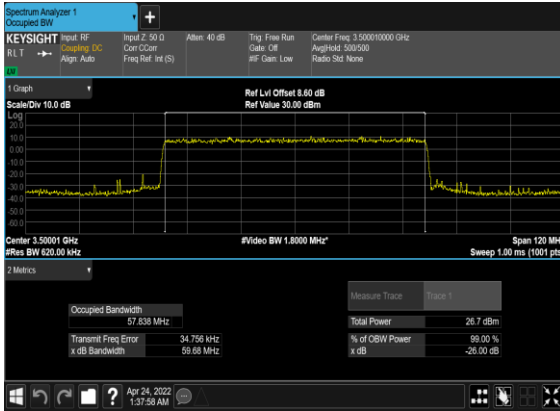
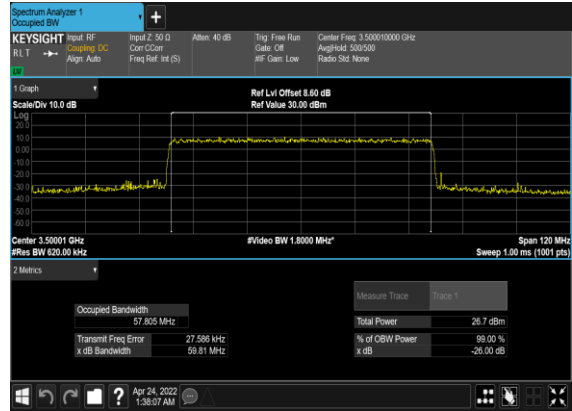


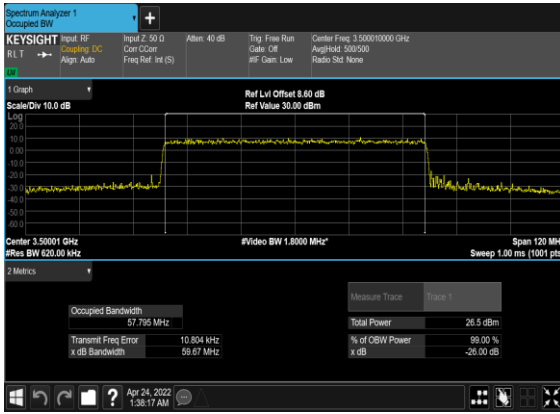
### N77(60M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



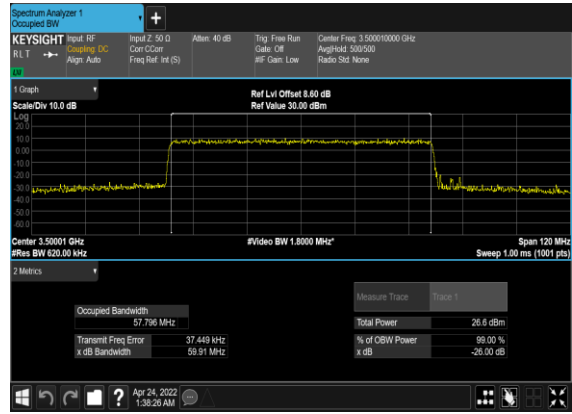
### N77(60M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



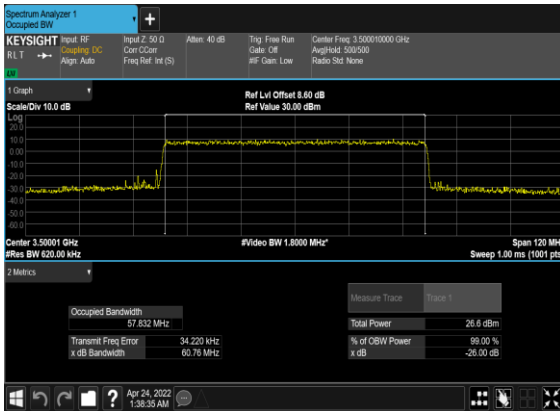
### N77(60M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



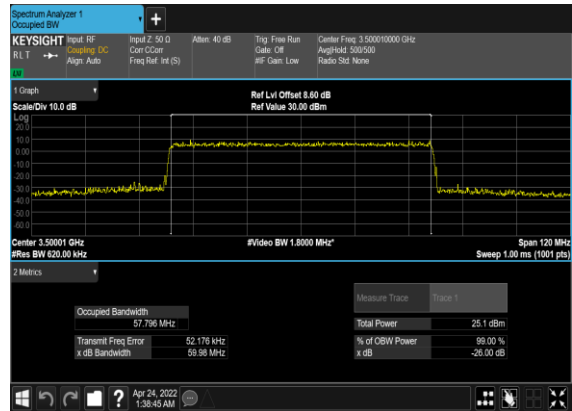
### N77(60M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



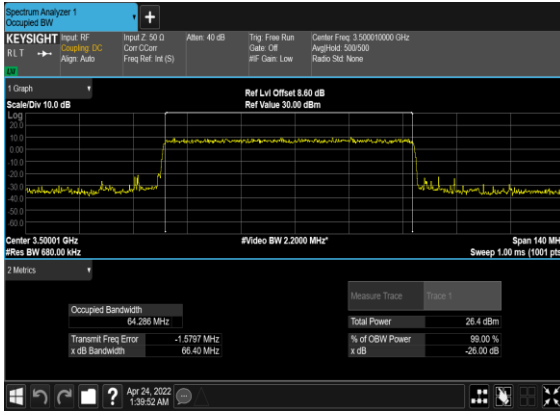
### N77(60M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



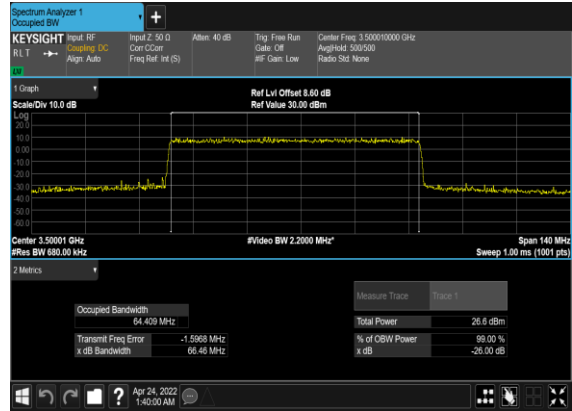
### N77(60M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



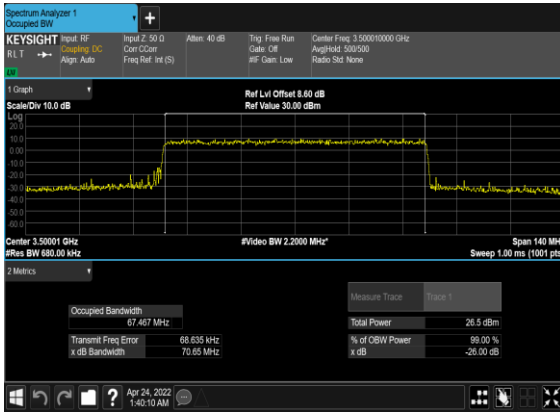
### N77(70M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



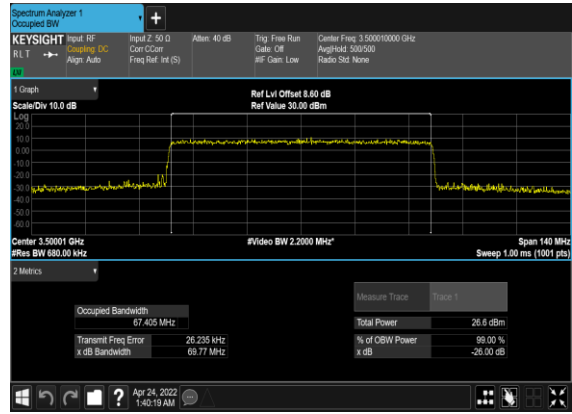
### N77(70M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



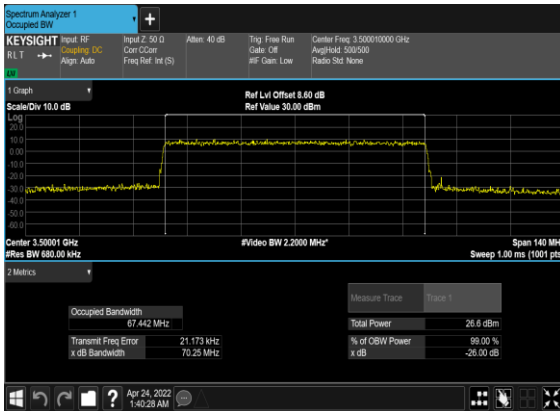
### N77(70M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



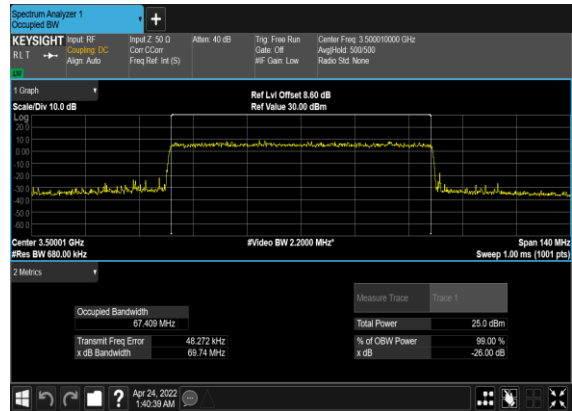
### N77(70M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



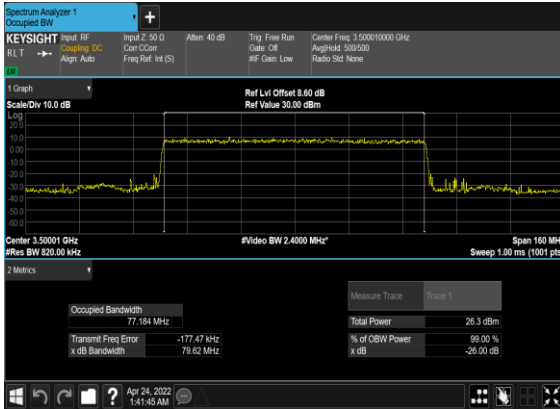
### N77(70M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



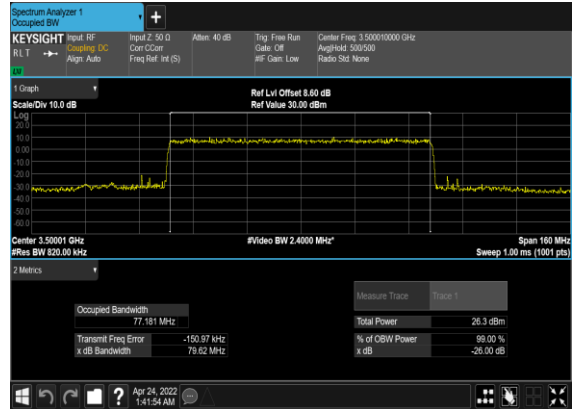
### N77(70M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



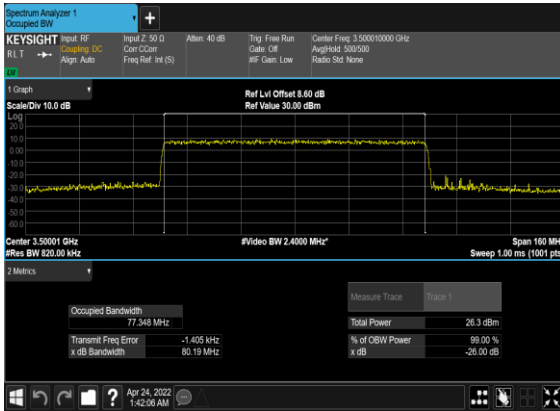
### N77(80M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



### N77(80M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



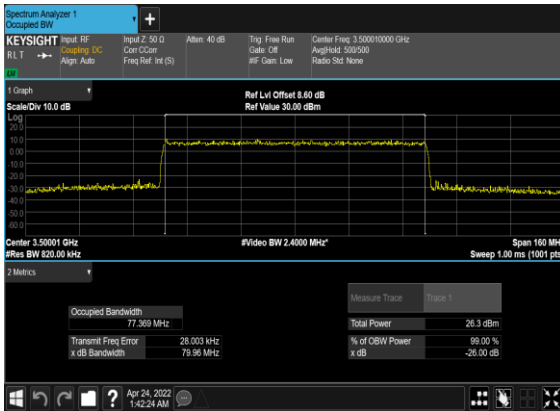
### N77(80M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



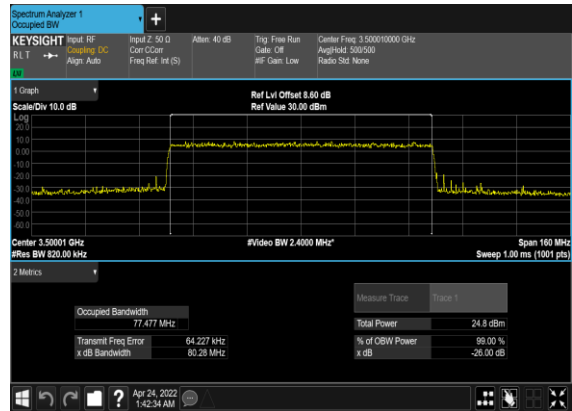
### N77(80M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



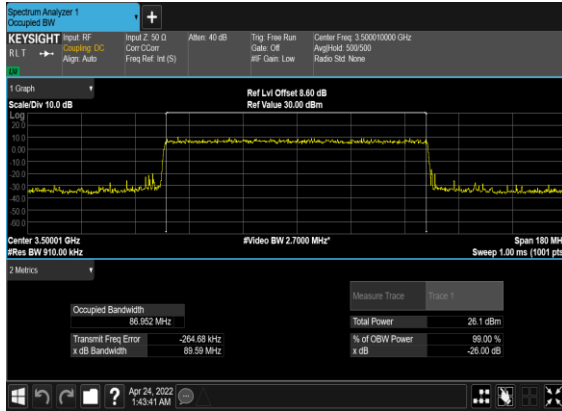
### N77(80M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



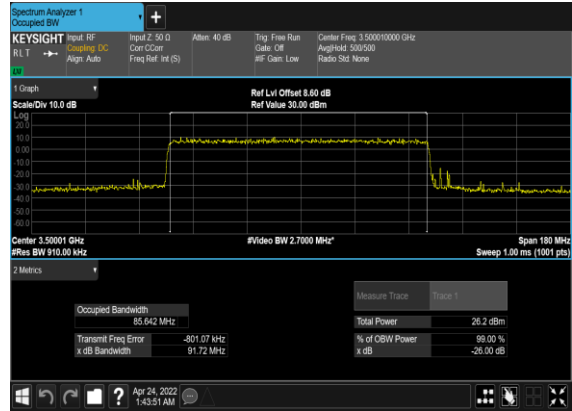
### N77(80M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



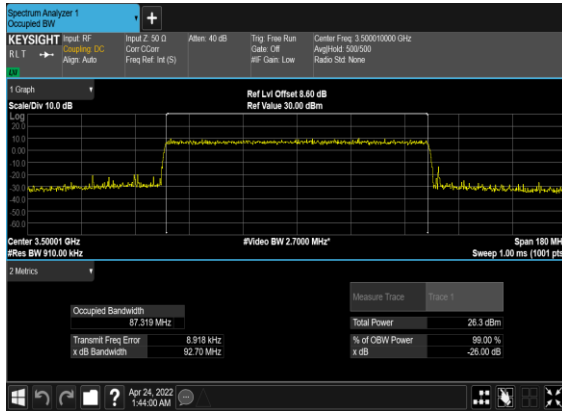
### N77(90M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



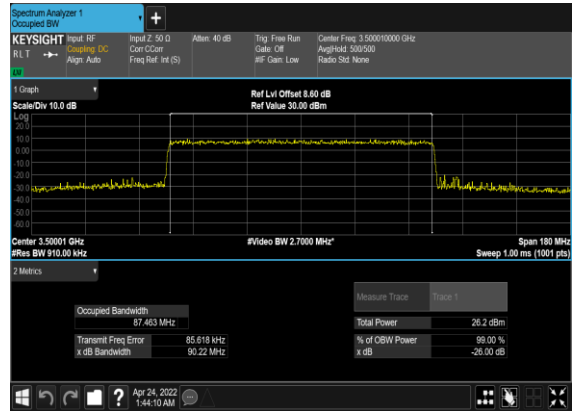
### N77(90M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



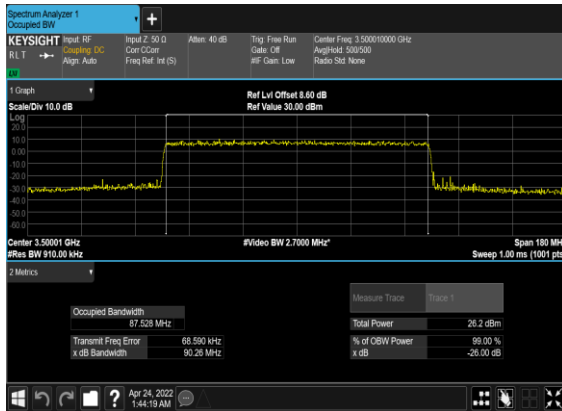
### N77(90M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



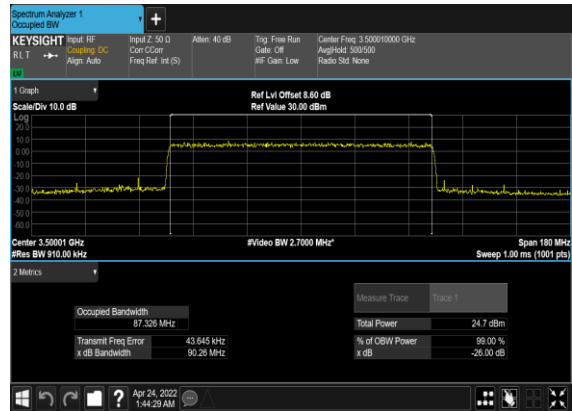
### N77(90M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



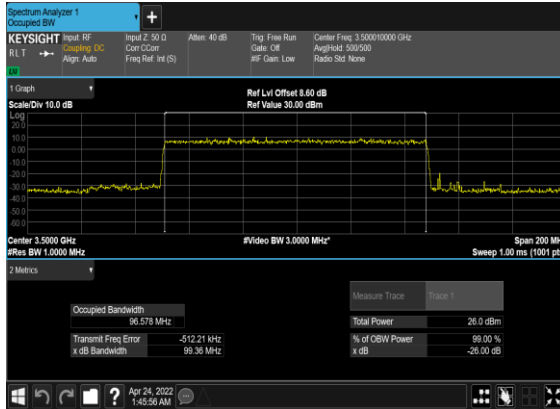
### N77(90M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



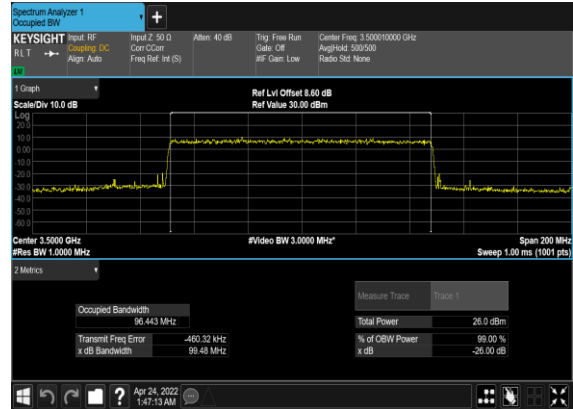
### N77(90M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



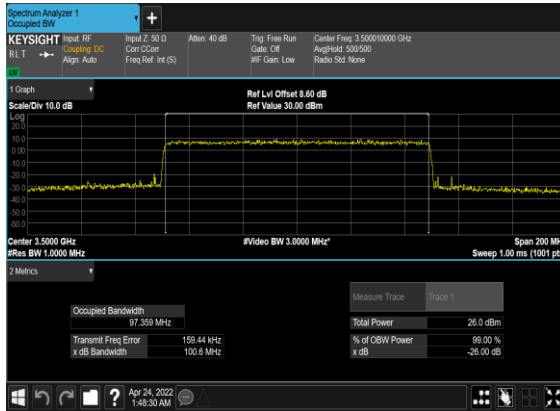
### N77(100M)\_DFT-s-OFDM\_PI\_2- BPSK\_Outer\_Full\_Mid\_CH



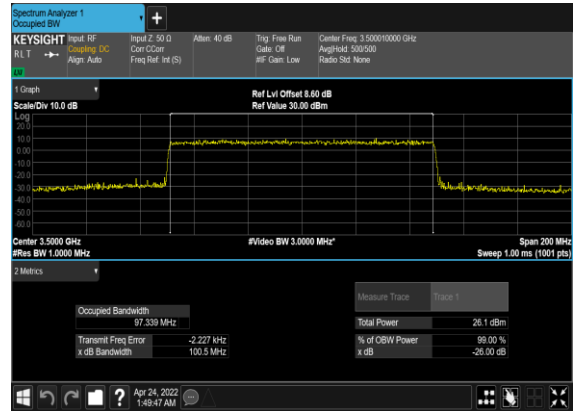
### N77(100M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



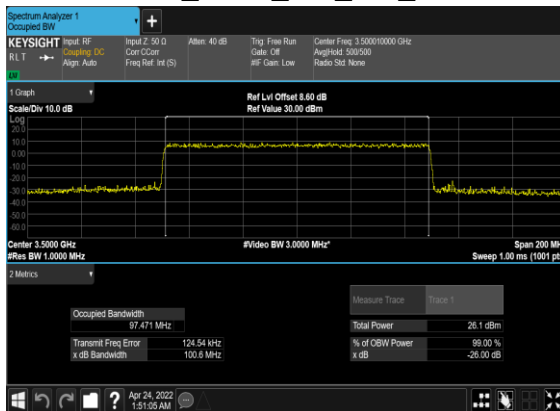
### N77(100M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



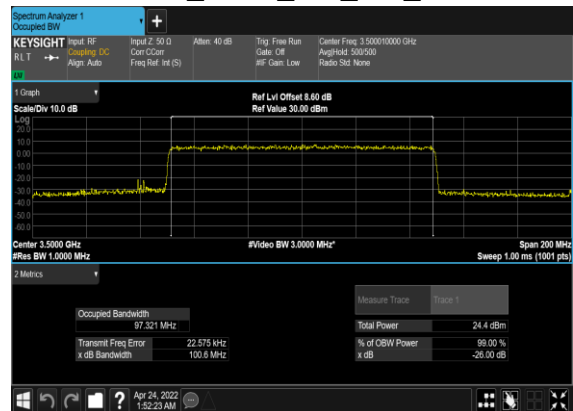
### N77(100M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



### N77(100M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



### N77(100M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH

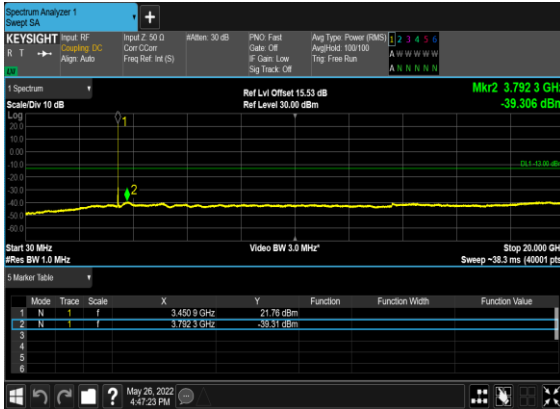


## Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	---

77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	<b>PASS</b>
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	<b>PASS</b>

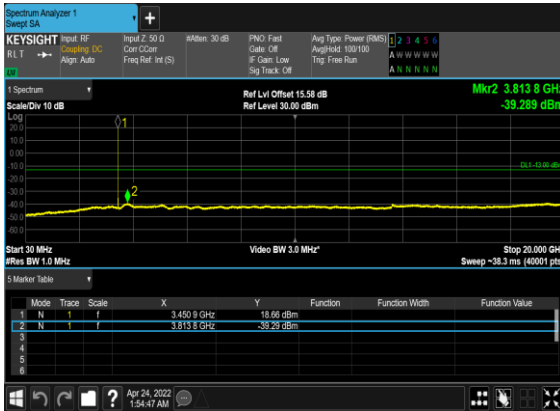
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



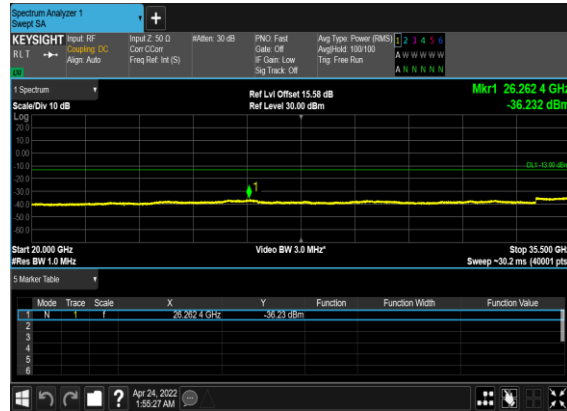
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



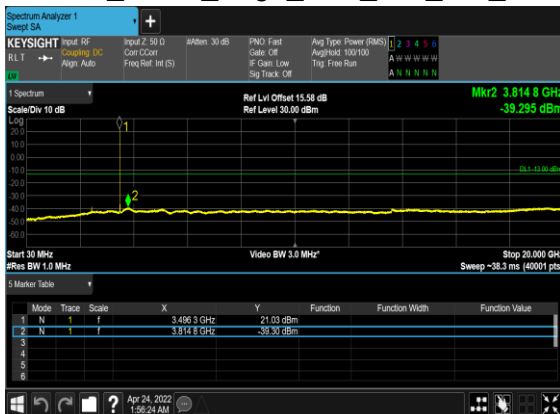
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



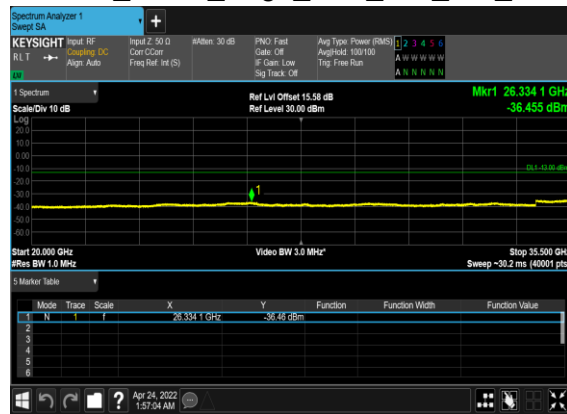
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH

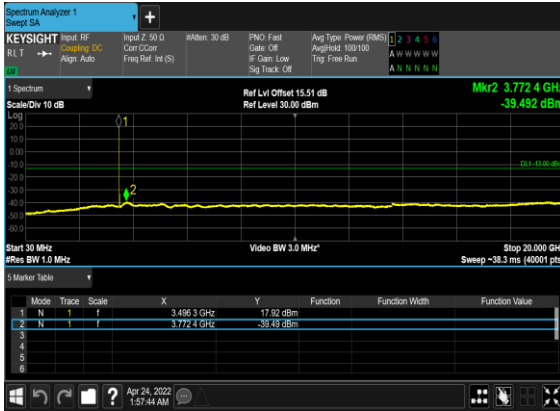


### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH

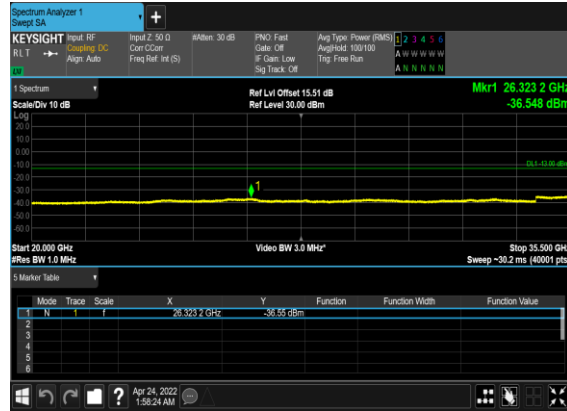




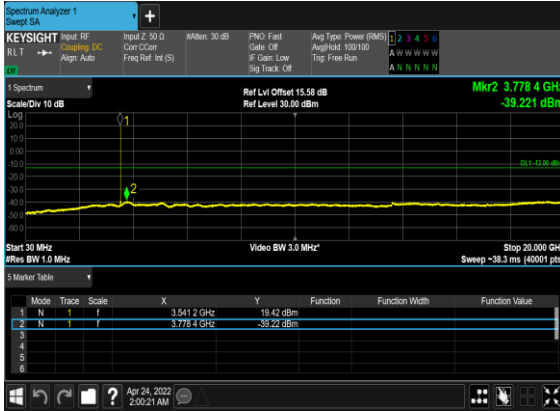
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



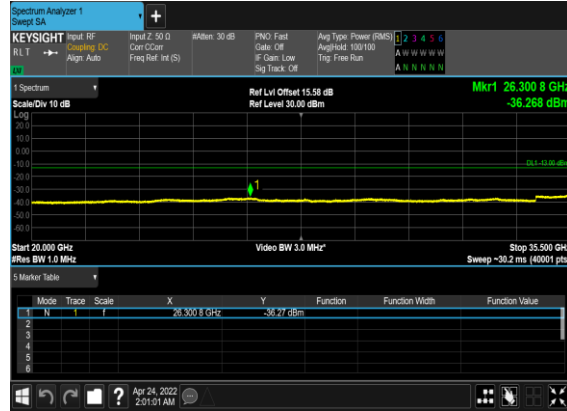
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



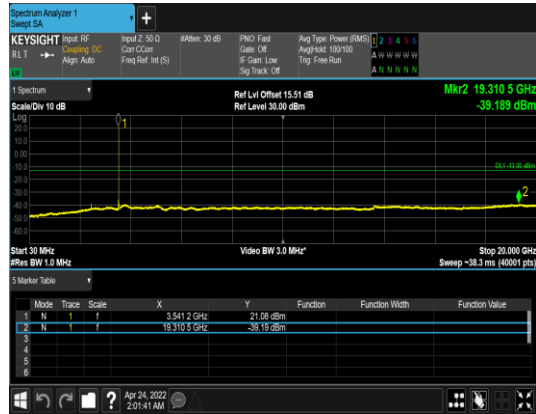
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



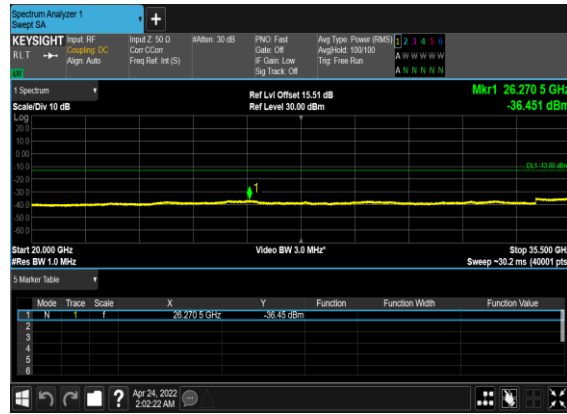
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



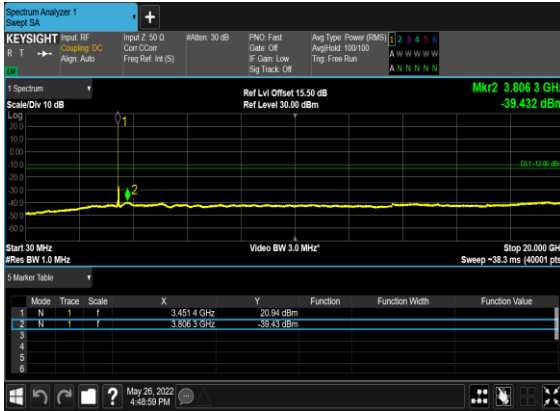
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



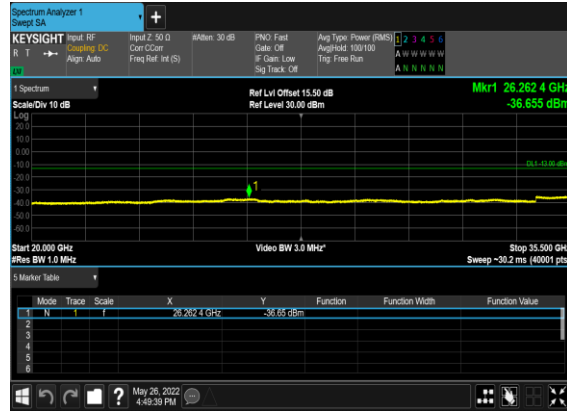
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



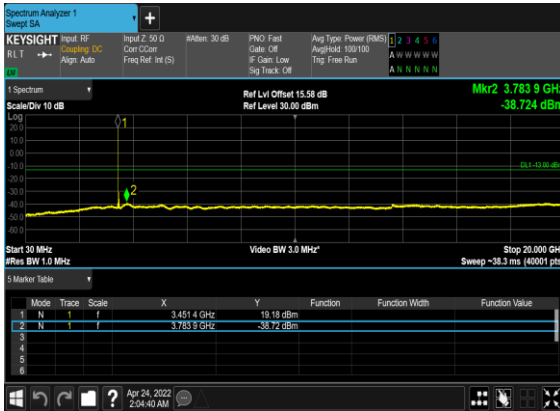
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



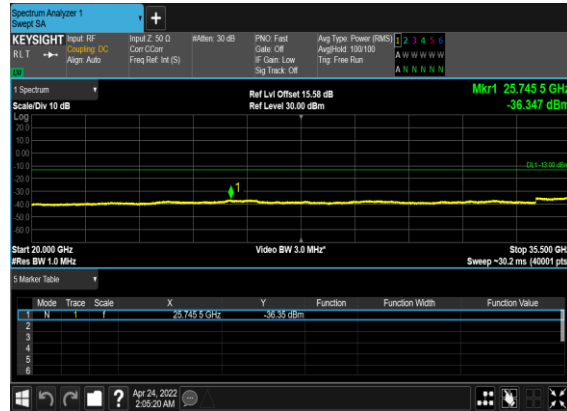
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



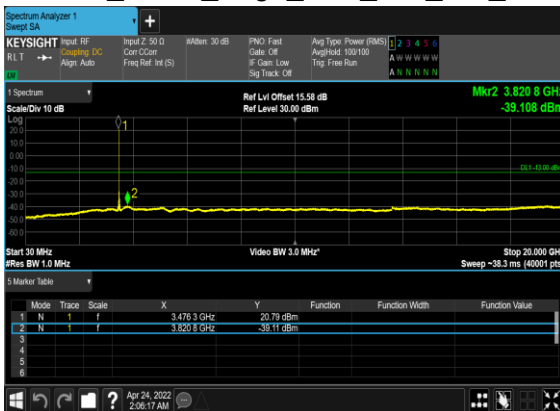
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



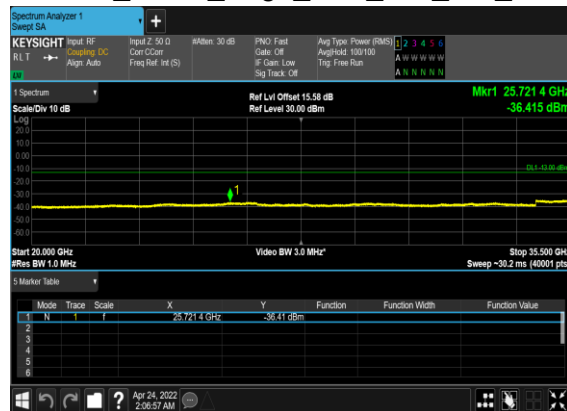
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



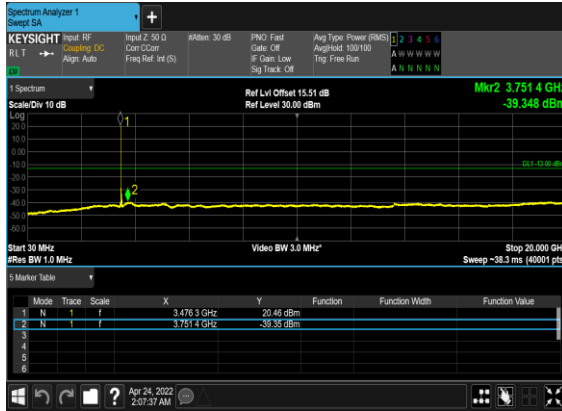
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



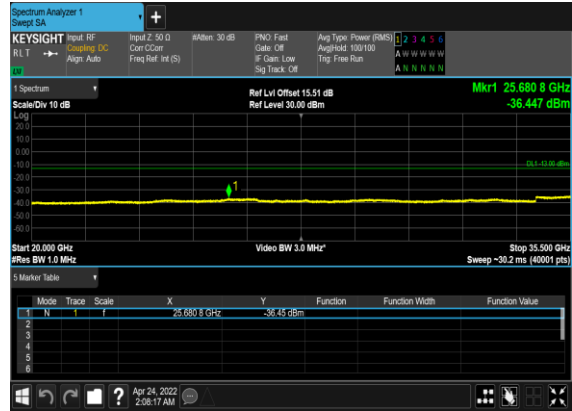
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



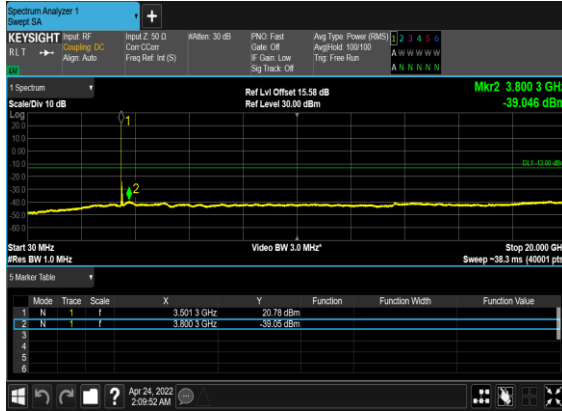
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



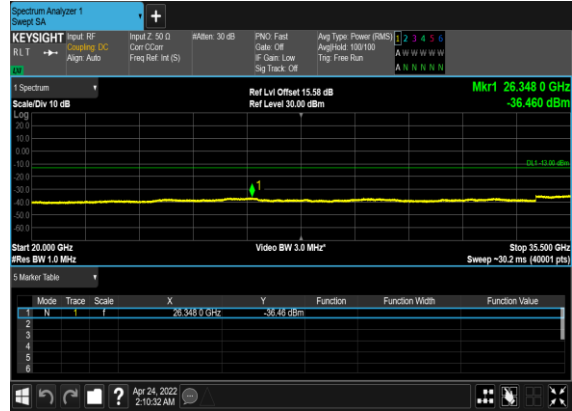
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



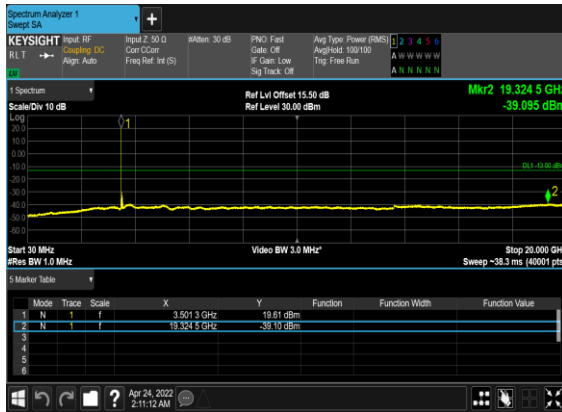
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



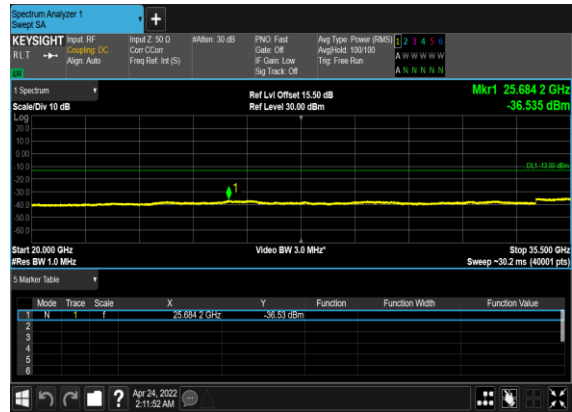
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



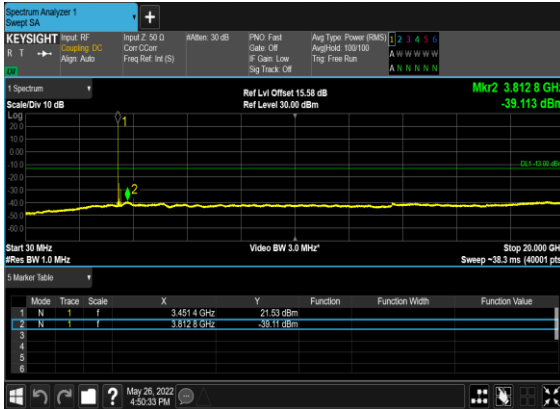
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



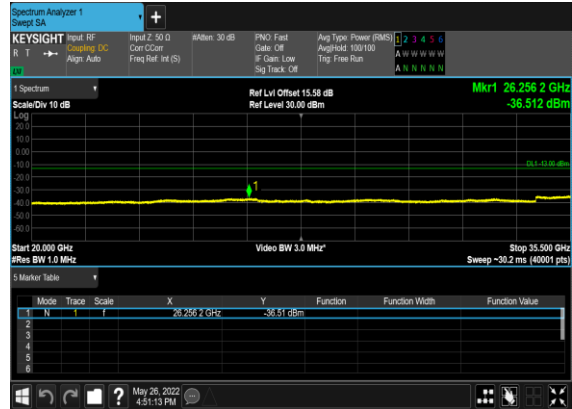
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



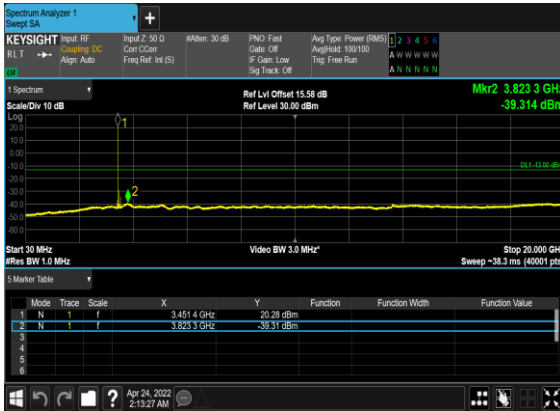
### N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



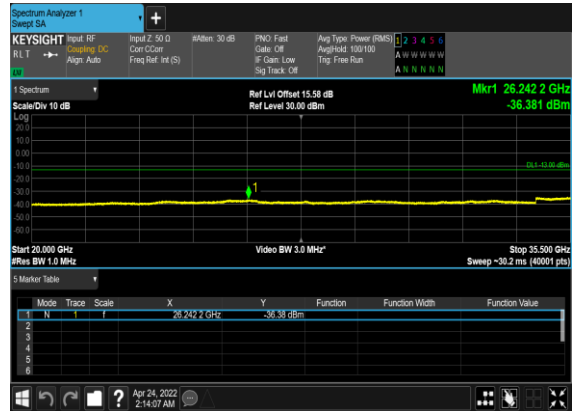
### N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



### N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



### N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



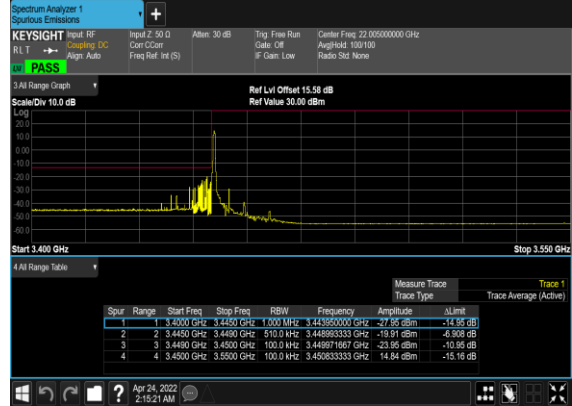
## Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@23	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@23	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@132	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@132	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	see graph	PASS

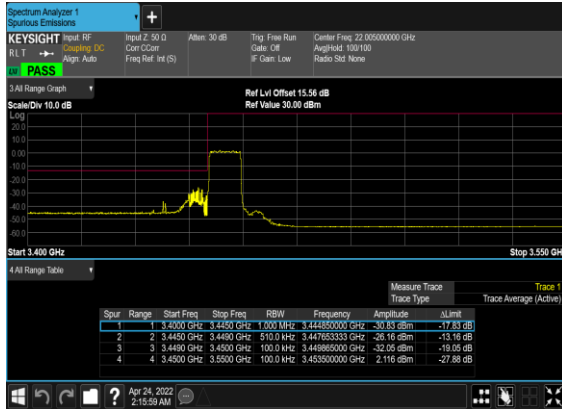
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



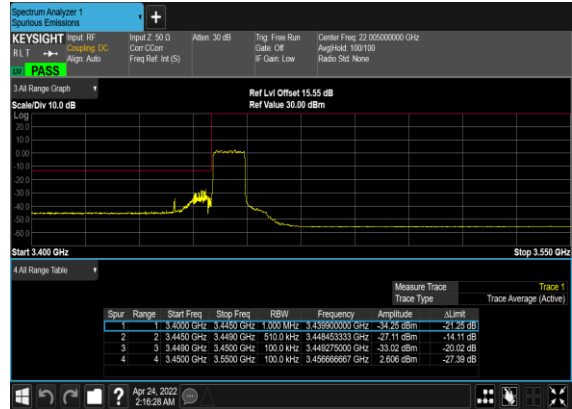
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



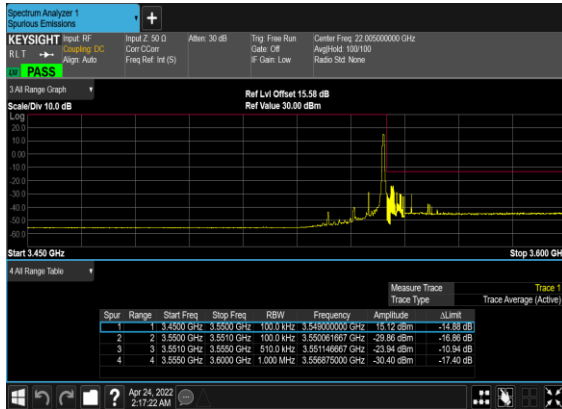
### N77(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



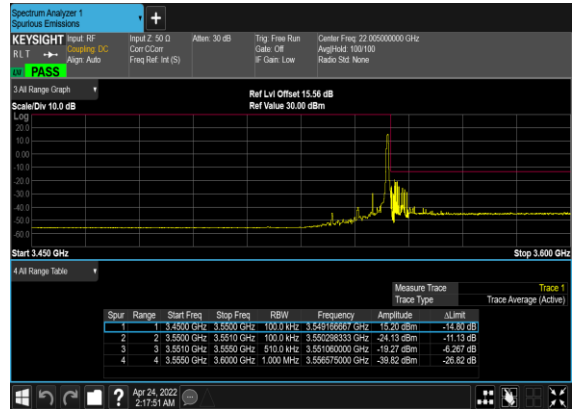
### N77(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



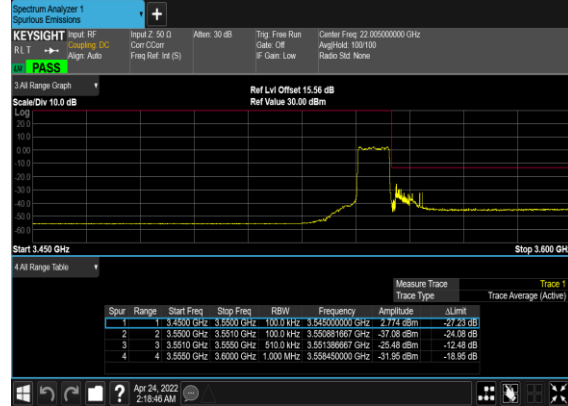
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



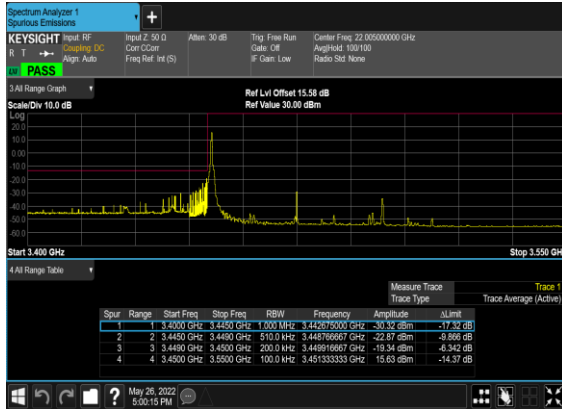
N77(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



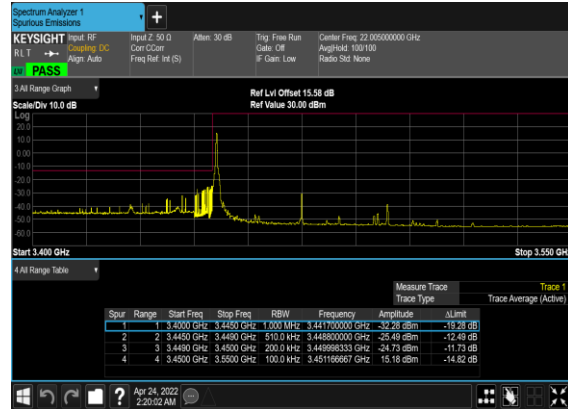
N77(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



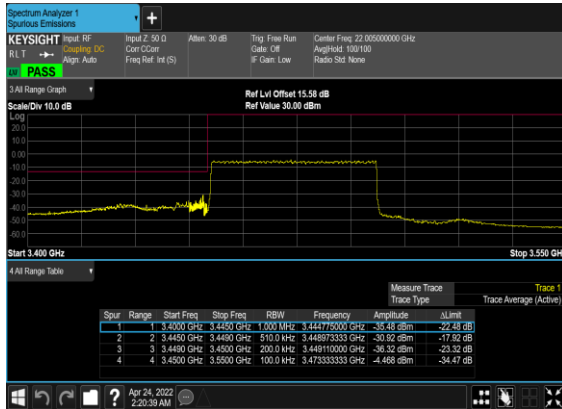
N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



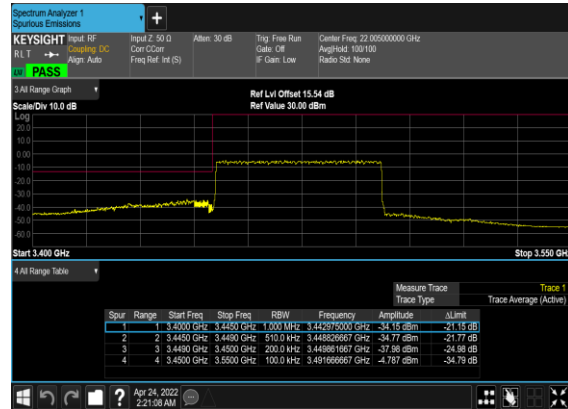
N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N77(50M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



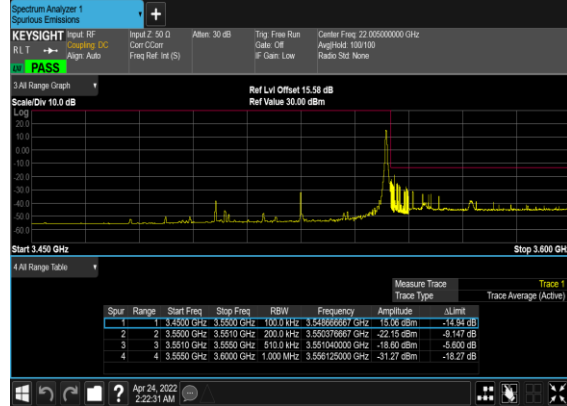
N77(50M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



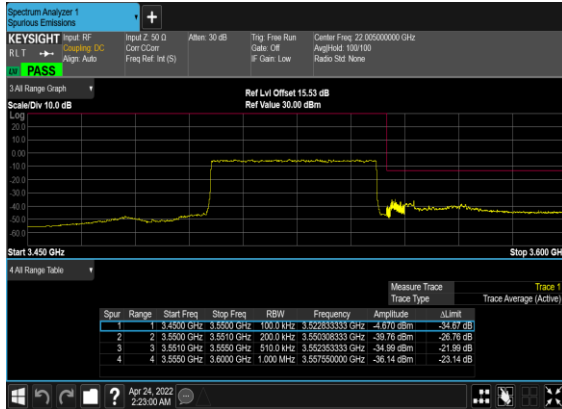
N77(50M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



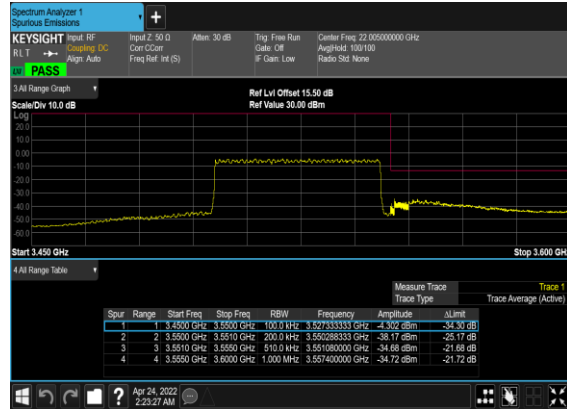
N77(50M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



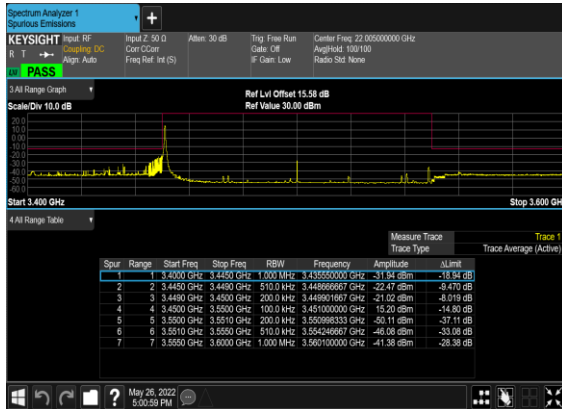
N77(50M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH



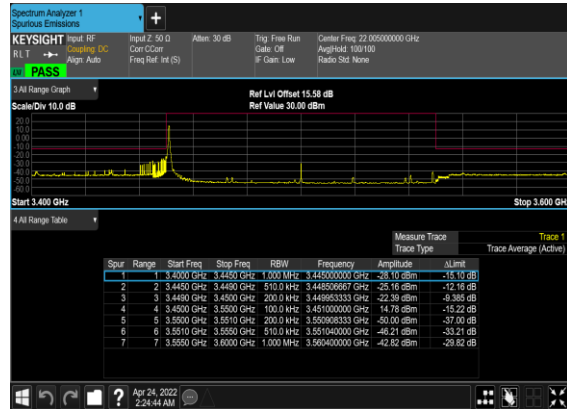
N77(50M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH



N77(100M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



N77(100M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH

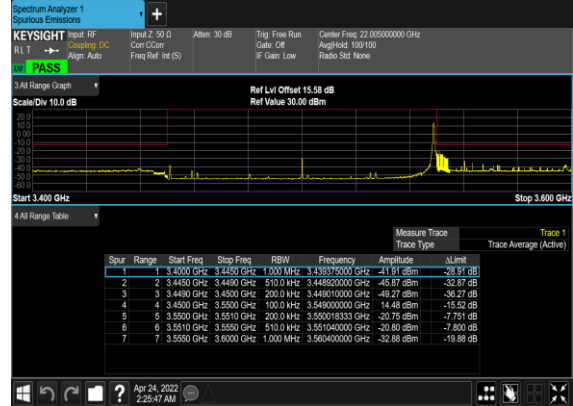




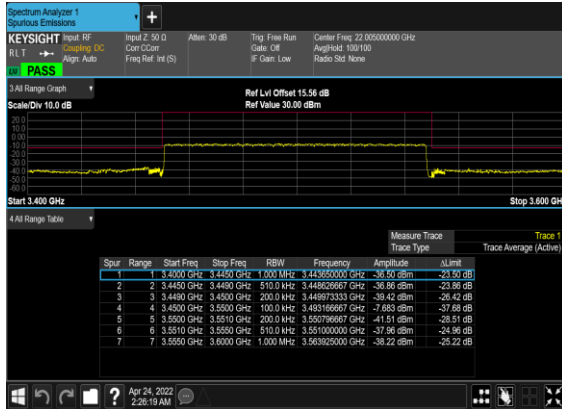
### N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_Mid\_CH



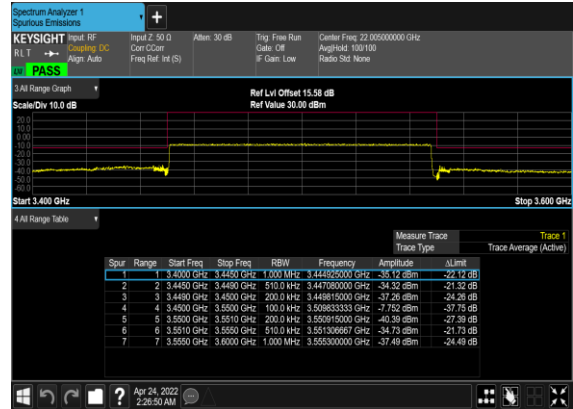
### N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_Mid\_CH



### N77(100M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Mid\_CH



### N77(100M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



## FR1 N77 MIMO-15K(Ant 3+5)

**Transmitter Conducted Output Power And EIRP, ( $G_T - L_C$ ) = -4.94dBi**

MIMO Antenna gain=  $10 \log[(10^{\text{Ant.3 gain}/20} + 10^{\text{Ant.5 gain}/20})^2 / 2]$

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT3 Power(dBm)	ANT5 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	25@12	22.42	22.43	25.44	20.50	0.1121
77	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	22.48	22.5	25.50	20.56	0.1138
77	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@50	22.47	22.5	25.50	20.56	0.1136
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	25@12	22.54	22.56	25.56	20.62	0.1154
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	22.48	22.39	25.45	20.51	0.1123
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@50	22.48	22.47	25.49	20.55	0.1134
77	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	25@12	21.46	21.52	24.50	19.56	0.0904
77	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	21.58	21.24	24.42	19.48	0.0888
77	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@50	21.41	21.39	24.41	19.47	0.0885
77	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	25@12	19.91	19.96	22.95	18.01	0.0632
77	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@1	20.21	19.7	22.97	18.03	0.0636
77	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@50	20.15	20.17	23.17	18.23	0.0665
77	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	25@12	17.94	18.02	20.99	16.05	0.0403
77	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@1	17.84	17.82	20.84	15.90	0.0389
77	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@50	17.93	17.91	20.93	15.99	0.0397
77	15	10	630334	3455.01	CP-OFDM QPSK	26@13	21.22	21.25	24.25	19.31	0.0852
77	15	10	630334	3455.01	CP-OFDM QPSK	1@1	21.13	21.04	24.10	19.16	0.0823
77	15	10	630334	3455.01	CP-OFDM QPSK	1@50	21.02	20.93	23.99	19.05	0.0803
77	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	22.68	22.77	25.74	20.80	0.1201

77	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.68	22.77	25.74	20.80	0.1201
77	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@50	22.64	22.76	25.71	20.77	0.1194
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	25@12	22.71	22.84	25.79	20.85	0.1215
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.66	22.7	25.69	20.75	0.1189
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@50	22.54	22.72	25.64	20.70	0.1175
77	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	21.68	21.74	24.72	19.78	0.0951
77	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.52	21.64	24.59	19.65	0.0923
77	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@50	21.67	21.53	24.61	19.67	0.0927
77	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	20.08	20.22	23.16	18.22	0.0664
77	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.36	19.67	23.04	18.10	0.0646
77	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@50	19.86	19.65	22.77	17.83	0.0606
77	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	20.09	20.25	23.18	18.24	0.0667
77	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.06	18.19	21.14	16.20	0.0416
77	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@50	17.97	18.17	21.08	16.14	0.0411
77	15	10	633334	3500.01	CP-OFDM QPSK	26@13	21.22	21.25	24.25	19.31	0.0852
77	15	10	633334	3500.01	CP-OFDM QPSK	1@1	21.21	21.31	24.27	19.33	0.0857
77	15	10	633334	3500.01	CP-OFDM QPSK	1@50	21.07	21.16	24.13	19.19	0.0829
77	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	25@12	22.85	23.08	25.98	21.04	0.1270
77	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	1@1	22.83	23.07	25.96	21.02	0.1265
77	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	1@50	22.7	23.02	25.87	20.93	0.1240
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	25@12	22.84	23.05	25.96	21.02	0.1264
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@1	22.85	22.98	25.93	20.99	0.1255
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@50	22.63	23.07	25.87	20.93	0.1238
77	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	25@12	21.8	22.01	24.92	19.98	0.0995

77	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@1	21.75	22	24.89	19.95	0.0988
77	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@50	21.6	21.88	24.75	19.81	0.0958
77	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	25@12	20.26	20.62	23.45	18.51	0.0710
77	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	1@1	20.48	20.26	23.38	18.44	0.0699
77	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	1@50	19.88	20.25	23.08	18.14	0.0652
77	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	25@12	18.15	18.47	21.32	16.38	0.0435
77	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	1@1	18.17	18.43	21.31	16.37	0.0434
77	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	1@50	18.08	18.43	21.27	16.33	0.0429
77	15	10	636333	3544.995	CP-OFDM QPSK	26@13	21.32	21.6	24.47	19.53	0.0898
77	15	10	636333	3544.995	CP-OFDM QPSK	1@1	21.42	21.6	24.52	19.58	0.0908
77	15	10	636333	3544.995	CP-OFDM QPSK	1@50	21.08	21.52	24.32	19.38	0.0866
77	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	36@18	22.06	22.09	25.09	20.15	0.1034
77	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	22.59	22.53	25.57	20.63	0.1156
77	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@77	22.57	22.59	25.59	20.65	0.1162
77	15	15	630500	3457.5	DFT-s-OFDM QPSK	36@18	22.65	22.6	25.64	20.70	0.1174
77	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	22.56	22.46	25.52	20.58	0.1143
77	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@77	22.56	22.51	25.55	20.61	0.1150
77	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	36@18	21.62	21.57	24.61	19.67	0.0926
77	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	21.5	21.48	24.50	19.56	0.0904
77	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@77	21.55	21.37	24.47	19.53	0.0898
77	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	36@18	20.13	20.13	23.14	18.20	0.0661
77	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@1	19.99	20	23.01	18.07	0.0641
77	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@77	20.18	20.21	23.21	18.27	0.0671
77	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	36@18	20.03	20.1	23.08	18.14	0.0651

77	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@1	17.92	17.81	20.88	15.94	0.0392
77	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@77	17.86	17.93	20.91	15.97	0.0395
77	15	15	630500	3457.5	CP-OFDM QPSK	39@19	21.35	21.53	24.45	19.51	0.0894
77	15	15	630500	3457.5	CP-OFDM QPSK	1@1	21.18	21.05	24.13	19.19	0.0829
77	15	15	630500	3457.5	CP-OFDM QPSK	1@77	21.11	21.2	24.17	19.23	0.0837
77	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	22.75	22.86	25.82	20.88	0.1223
77	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.73	22.75	25.75	20.81	0.1205
77	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@77	22.61	22.81	25.72	20.78	0.1197
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	36@18	22.71	22.83	25.78	20.84	0.1214
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.75	22.72	25.75	20.81	0.1204
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@77	22.62	22.83	25.74	20.80	0.1201
77	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	21.73	21.83	24.79	19.85	0.0966
77	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.69	21.79	24.75	19.81	0.0957
77	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@77	21.53	21.73	24.64	19.70	0.0934
77	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	20.21	20.27	23.25	18.31	0.0678
77	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	19.95	20.15	23.06	18.12	0.0649
77	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@77	20	20.48	23.26	18.32	0.0679
77	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	20.14	20.28	23.22	18.28	0.0673
77	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.97	18.17	21.08	16.14	0.0411
77	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@77	17.96	18.15	21.07	16.13	0.0410
77	15	15	633334	3500.01	CP-OFDM QPSK	39@19	21.15	21.29	24.23	19.29	0.0849
77	15	15	633334	3500.01	CP-OFDM QPSK	1@1	21.19	21.23	24.22	19.28	0.0847
77	15	15	633334	3500.01	CP-OFDM QPSK	1@77	21.18	21.35	24.28	19.34	0.0858
77	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	36@18	22.86	23.15	26.02	21.08	0.1282
77	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	22.76	23.05	25.92	20.98	0.1252

77	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@77	22.71	23.04	25.89	20.95	0.1244
77	15	15	636166	3542.49	DFT-s-OFDM QPSK	36@18	22.78	23.12	25.96	21.02	0.1266
77	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	22.82	23.05	25.95	21.01	0.1261
77	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@77	22.65	23.01	25.84	20.90	0.1231
77	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	36@18	21.84	22.06	24.96	20.02	0.1005
77	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	21.63	22.05	24.86	19.92	0.0981
77	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@77	21.6	21.98	24.80	19.86	0.0969
77	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	36@18	20.22	20.6	23.42	18.48	0.0705
77	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@1	20.18	20.3	23.25	18.31	0.0678
77	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@77	20.21	20.68	23.46	18.52	0.0711
77	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	36@18	20.17	20.51	23.35	18.41	0.0694
77	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@1	18.18	18.42	21.31	16.37	0.0434
77	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@77	17.98	18.29	21.15	16.21	0.0418
77	15	15	636166	3542.49	CP-OFDM QPSK	39@19	21.25	21.54	24.41	19.47	0.0885
77	15	15	636166	3542.49	CP-OFDM QPSK	1@1	21.29	21.48	24.40	19.46	0.0882
77	15	15	636166	3542.49	CP-OFDM QPSK	1@77	21.15	21.65	24.42	19.48	0.0887
77	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	50@25	21.78	22.14	24.97	20.03	0.1008
77	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@1	22.09	22.14	25.13	20.19	0.1044
77	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@104	22.56	22.62	25.60	20.66	0.1164
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	50@25	22.59	22.65	25.63	20.69	0.1172
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@1	22.61	22.68	25.66	20.72	0.1179
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@104	22.5	22.56	25.54	20.60	0.1148
77	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	50@25	21.6	21.64	24.63	19.69	0.0931
77	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@1	21.58	21.54	24.57	19.63	0.0918

77	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@104	21.62	21.39	24.52	19.58	0.0907
77	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	50@25	20.13	20.13	23.14	18.20	0.0661
77	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	1@1	19.8	19.84	22.83	17.89	0.0615
77	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	1@104	19.86	20.3	23.10	18.16	0.0654
77	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	50@25	20.08	20.05	23.08	18.14	0.0651
77	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	1@1	17.98	17.97	20.99	16.05	0.0402
77	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	1@104	17.97	18.06	21.03	16.09	0.0406
77	15	20	630667	3460.005	CP-OFDM QPSK	53@26	21.13	21.09	24.12	19.18	0.0828
77	15	20	630667	3460.005	CP-OFDM QPSK	1@1	21.13	21.35	24.25	19.31	0.0853
77	15	20	630667	3460.005	CP-OFDM QPSK	1@104	21.06	20.96	24.02	19.08	0.0809
77	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	22.67	22.81	25.75	20.81	0.1205
77	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.75	22.8	25.79	20.85	0.1215
77	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	22.66	22.84	25.76	20.82	0.1208
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	50@25	22.7	22.83	25.78	20.84	0.1212
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.71	22.8	25.77	20.83	0.1209
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@104	22.55	22.73	25.65	20.71	0.1178
77	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	21.66	21.85	24.77	19.83	0.0961
77	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.58	21.84	24.72	19.78	0.0951
77	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	21.58	21.63	24.62	19.68	0.0928
77	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	20.21	20.24	23.24	18.30	0.0675
77	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.46	20.06	23.27	18.33	0.0682
77	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	19.83	20.54	23.21	18.27	0.0671
77	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	20.24	20.27	23.27	18.33	0.0680
77	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.14	18.23	21.20	16.26	0.0422

77	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	17.95	18.21	21.09	16.15	0.0412
77	15	20	633334	3500.01	CP-OFDM QPSK	53@26	21.2	21.25	24.24	19.30	0.0850
77	15	20	633334	3500.01	CP-OFDM QPSK	1@1	21.19	21.27	24.24	19.30	0.0851
77	15	20	633334	3500.01	CP-OFDM QPSK	1@104	21.05	21.41	24.24	19.30	0.0852
77	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	50@25	22.76	23.18	25.99	21.05	0.1272
77	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	22.77	23.05	25.92	20.98	0.1254
77	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@104	22.64	22.98	25.82	20.88	0.1226
77	15	20	636000	3540	DFT-s-OFDM QPSK	50@25	22.79	23.1	25.96	21.02	0.1264
77	15	20	636000	3540	DFT-s-OFDM QPSK	1@1	22.8	23.12	25.97	21.03	0.1269
77	15	20	636000	3540	DFT-s-OFDM QPSK	1@104	22.65	23.03	25.85	20.91	0.1234
77	15	20	636000	3540	DFT-s-OFDM 16 QAM	50@25	21.78	22.1	24.95	20.01	0.1003
77	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	21.52	21.86	24.70	19.76	0.0947
77	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@104	21.56	22.06	24.83	19.89	0.0974
77	15	20	636000	3540	DFT-s-OFDM 64 QAM	50@25	20.31	20.57	23.45	18.51	0.0710
77	15	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	20.5	19.98	23.26	18.32	0.0679
77	15	20	636000	3540	DFT-s-OFDM 64 QAM	1@104	19.82	20.7	23.29	18.35	0.0684
77	15	20	636000	3540	DFT-s-OFDM 256 QAM	50@25	18.17	18.42	21.31	16.37	0.0433
77	15	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	18.2	18.44	21.33	16.39	0.0436
77	15	20	636000	3540	DFT-s-OFDM 256 QAM	1@104	17.99	18.44	21.23	16.29	0.0426
77	15	20	636000	3540	CP-OFDM QPSK	53@26	21.24	21.45	24.36	19.42	0.0874
77	15	20	636000	3540	CP-OFDM QPSK	1@1	21.28	21.56	24.43	19.49	0.0890
77	15	20	636000	3540	CP-OFDM QPSK	1@104	21.06	21.45	24.27	19.33	0.0857
77	15	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	64@32	21.99	22.04	25.03	20.09	0.1020
77	15	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@1	22.53	22.62	25.59	20.65	0.1160
77	15	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@131	22.63	22.6	25.63	20.69	0.1171



77	15	25	630834	3462.51	DFT-s-OFDM QPSK	64@32	22.57	22.61	25.60	20.66	0.1164
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	22.65	22.57	25.62	20.68	0.1170
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@131	22.64	22.57	25.62	20.68	0.1168
77	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	64@32	21.51	21.62	24.58	19.64	0.0920
77	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	21.59	21.38	24.50	19.56	0.0903
77	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@131	21.51	21.6	24.57	19.63	0.0917
77	15	25	630834	3462.51	DFT-s-OFDM 64 QAM	64@32	20.03	20.03	23.04	18.10	0.0646
77	15	25	630834	3462.51	DFT-s-OFDM 64 QAM	1@1	19.83	19.89	22.87	17.93	0.0621
77	15	25	630834	3462.51	DFT-s-OFDM 64 QAM	1@131	19.88	20.37	23.14	18.20	0.0661
77	15	25	630834	3462.51	DFT-s-OFDM 256 QAM	64@32	19.95	20.03	23.00	18.06	0.0640
77	15	25	630834	3462.51	DFT-s-OFDM 256 QAM	1@1	17.86	18.09	20.99	16.05	0.0402
77	15	25	630834	3462.51	DFT-s-OFDM 256 QAM	1@131	17.96	18.07	21.03	16.09	0.0406
77	15	25	630834	3462.51	CP-OFDM QPSK	67@33	21.52	21.23	24.39	19.45	0.0881
77	15	25	630834	3462.51	CP-OFDM QPSK	1@1	21.19	21.25	24.23	19.29	0.0849
77	15	25	630834	3462.51	CP-OFDM QPSK	1@131	20.95	21.12	24.05	19.11	0.0814
77	15	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	22.61	22.79	25.71	20.77	0.1194
77	15	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.74	22.87	25.82	20.88	0.1223
77	15	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	22.59	22.78	25.70	20.76	0.1190
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	64@32	22.64	22.78	25.72	20.78	0.1197
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.8	22.92	25.87	20.93	0.1239
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@131	22.64	22.91	25.79	20.85	0.1215
77	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	21.58	21.71	24.66	19.72	0.0937
77	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.69	21.65	24.68	19.74	0.0942
77	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	21.39	21.72	24.57	19.63	0.0918

77	15	25	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	20.05	20.25	23.16	18.22	0.0664
77	15	25	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.44	20.56	23.51	18.57	0.0720
77	15	25	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	19.89	20.53	23.23	18.29	0.0675
77	15	25	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	20.16	20.2	23.19	18.25	0.0668
77	15	25	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.22	18.13	21.19	16.25	0.0421
77	15	25	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	17.99	18.22	21.12	16.18	0.0415
77	15	25	633334	3500.01	CP-OFDM QPSK	67@33	21.19	21.2	24.21	19.27	0.0844
77	15	25	633334	3500.01	CP-OFDM QPSK	1@1	21.34	21.35	24.36	19.42	0.0874
77	15	25	633334	3500.01	CP-OFDM QPSK	1@131	20.94	21.33	24.15	19.21	0.0834
77	15	25	635833	3537.495	DFT-s-OFDM PI/2 BPSK	64@32	22.7	22.91	25.82	20.88	0.1224
77	15	25	635833	3537.495	DFT-s-OFDM PI/2 BPSK	1@1	22.73	22.99	25.87	20.93	0.1239
77	15	25	635833	3537.495	DFT-s-OFDM PI/2 BPSK	1@131	22.59	22.95	25.78	20.84	0.1215
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	64@32	22.7	22.89	25.81	20.87	0.1221
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@1	22.76	23.03	25.91	20.97	0.1250
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@131	22.6	22.95	25.79	20.85	0.1216
77	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	64@32	21.64	21.91	24.79	19.85	0.0965
77	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	1@1	21.55	21.9	24.74	19.80	0.0955
77	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	1@131	21.58	21.93	24.77	19.83	0.0961
77	15	25	635833	3537.495	DFT-s-OFDM 64 QAM	64@32	20.14	20.44	23.30	18.36	0.0686
77	15	25	635833	3537.495	DFT-s-OFDM 64 QAM	1@1	19.96	20.24	23.11	18.17	0.0657
77	15	25	635833	3537.495	DFT-s-OFDM 64 QAM	1@131	20.26	20.65	23.47	18.53	0.0713
77	15	25	635833	3537.495	DFT-s-OFDM 256 QAM	64@32	20.11	20.35	23.24	18.30	0.0676
77	15	25	635833	3537.495	DFT-s-OFDM 256 QAM	1@1	18.1	18.45	21.29	16.35	0.0431
77	15	25	635833	3537.495	DFT-s-OFDM 256 QAM	1@131	17.95	18.47	21.23	16.29	0.0425

77	15	25	635833	3537.495	CP-OFDM QPSK	67@33	21.14	21.23	24.20	19.26	0.0842
77	15	25	635833	3537.495	CP-OFDM QPSK	1@1	21.36	21.46	24.42	19.48	0.0887
77	15	25	635833	3537.495	CP-OFDM QPSK	1@131	21.07	21.4	24.25	19.31	0.0853
77	15	30	631000	3465	DFT-s- OFDM PI/2 BPSK	80@40	22.05	22.11	25.09	20.15	0.1035
77	15	30	631000	3465	DFT-s- OFDM PI/2 BPSK	1@1	22.63	22.6	25.63	20.69	0.1171
77	15	30	631000	3465	DFT-s- OFDM PI/2 BPSK	1@158	22.59	22.61	25.61	20.67	0.1167
77	15	30	631000	3465	DFT-s- OFDM QPSK	80@40	22.64	22.68	25.67	20.73	0.1183
77	15	30	631000	3465	DFT-s- OFDM QPSK	1@1	22.59	22.69	25.65	20.71	0.1178
77	15	30	631000	3465	DFT-s- OFDM QPSK	1@158	22.7	22.7	25.71	20.77	0.1194
77	15	30	631000	3465	DFT-s- OFDM 16 QAM	80@40	21.6	21.64	24.63	19.69	0.0931
77	15	30	631000	3465	DFT-s- OFDM 16 QAM	1@1	21.35	21.55	24.46	19.52	0.0896
77	15	30	631000	3465	DFT-s- OFDM 16 QAM	1@158	21.47	21.6	24.55	19.61	0.0913
77	15	30	631000	3465	DFT-s- OFDM 64 QAM	80@40	20.05	20.15	23.11	18.17	0.0656
77	15	30	631000	3465	DFT-s- OFDM 64 QAM	1@1	19.79	19.84	22.83	17.89	0.0615
77	15	30	631000	3465	DFT-s- OFDM 64 QAM	1@158	19.82	19.96	22.90	17.96	0.0625
77	15	30	631000	3465	DFT-s- OFDM 256 QAM	80@40	18.07	18.16	21.13	16.19	0.0415
77	15	30	631000	3465	DFT-s- OFDM 256 QAM	1@1	18.01	17.96	21.00	16.06	0.0403
77	15	30	631000	3465	DFT-s- OFDM 256 QAM	1@158	17.98	18.12	21.06	16.12	0.0409
77	15	30	631000	3465	CP-OFDM QPSK	80@40	21.03	21.04	24.05	19.11	0.0814
77	15	30	631000	3465	CP-OFDM QPSK	1@1	21.05	21.11	24.09	19.15	0.0822
77	15	30	631000	3465	CP-OFDM QPSK	1@158	21.09	21.15	24.13	19.19	0.0830
77	15	30	633334	3500.01	DFT-s- OFDM PI/2 BPSK	80@40	22.72	22.86	25.80	20.86	0.1219
77	15	30	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@1	22.79	22.86	25.84	20.90	0.1229
77	15	30	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@158	22.53	22.85	25.70	20.76	0.1192
77	15	30	633334	3500.01	DFT-s- OFDM QPSK	80@40	22.67	22.82	25.76	20.82	0.1207

77	15	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.75	22.79	25.78	20.84	0.1213
77	15	30	633334	3500.01	DFT-s-OFDM QPSK	1@158	22.6	22.89	25.76	20.82	0.1207
77	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	80@40	21.76	21.84	24.81	19.87	0.0971
77	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.6	21.87	24.75	19.81	0.0957
77	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@158	21.58	21.8	24.70	19.76	0.0947
77	15	30	633334	3500.01	DFT-s-OFDM 64 QAM	80@40	20.24	20.26	23.26	18.32	0.0679
77	15	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.05	20.03	23.05	18.11	0.0647
77	15	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@158	20.36	20.54	23.46	18.52	0.0711
77	15	30	633334	3500.01	DFT-s-OFDM 256 QAM	80@40	20.24	20.29	23.28	18.34	0.0682
77	15	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.21	18.21	21.22	16.28	0.0425
77	15	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@158	17.89	18.32	21.12	16.18	0.0415
77	15	30	633334	3500.01	CP-OFDM QPSK	80@40	21.14	21.22	24.19	19.25	0.0841
77	15	30	633334	3500.01	CP-OFDM QPSK	1@1	21.41	21.54	24.49	19.55	0.0901
77	15	30	633334	3500.01	CP-OFDM QPSK	1@158	21.15	21.56	24.37	19.43	0.0877
77	15	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	80@40	22.85	23.01	25.94	21.00	0.1259
77	15	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	22.77	23.11	25.95	21.01	0.1263
77	15	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@158	22.7	23.08	25.90	20.96	0.1249
77	15	30	635666	3534.99	DFT-s-OFDM QPSK	80@40	22.82	23.1	25.97	21.03	0.1268
77	15	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	22.84	23.08	25.97	21.03	0.1268
77	15	30	635666	3534.99	DFT-s-OFDM QPSK	1@158	22.66	23.01	25.85	20.91	0.1233
77	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	80@40	21.79	22.05	24.93	19.99	0.0998
77	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	21.68	21.92	24.81	19.87	0.0971
77	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@158	21.45	22.02	24.75	19.81	0.0958
77	15	30	635666	3534.99	DFT-s-OFDM 64 QAM	80@40	20.28	20.4	23.35	18.41	0.0694

77	15	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	20.01	20.39	23.21	18.27	0.0672
77	15	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@158	19.86	20.7	23.31	18.37	0.0687
77	15	30	635666	3534.99	DFT-s-OFDM 256 QAM	80@40	20.32	20.54	23.44	18.50	0.0708
77	15	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	18.06	18.36	21.22	16.28	0.0425
77	15	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@158	17.98	18.31	21.16	16.22	0.0419
77	15	30	635666	3534.99	CP-OFDM QPSK	80@40	21.24	21.52	24.39	19.45	0.0882
77	15	30	635666	3534.99	CP-OFDM QPSK	1@1	21.19	21.78	24.51	19.57	0.0905
77	15	30	635666	3534.99	CP-OFDM QPSK	1@158	21.13	21.72	24.45	19.51	0.0892
77	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	108@54	22.12	22.15	25.15	20.21	0.1048
77	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	22.52	22.66	25.60	20.66	0.1164
77	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@214	22.71	22.68	25.71	20.77	0.1193
77	15	40	631334	3470.01	DFT-s-OFDM QPSK	108@54	22.59	22.58	25.60	20.66	0.1163
77	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	22.62	22.73	25.69	20.75	0.1187
77	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@214	22.77	22.63	25.71	20.77	0.1194
77	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	108@54	21.59	21.58	24.60	19.66	0.0924
77	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	21.54	21.55	24.56	19.62	0.0915
77	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@214	21.67	21.57	24.63	19.69	0.0931
77	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	108@54	20.09	20.15	23.13	18.19	0.0659
77	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	20.32	20.29	23.32	18.38	0.0688
77	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@214	19.89	20.34	23.13	18.19	0.0659
77	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	108@54	20.15	20.19	23.18	18.24	0.0667
77	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	18.12	18.14	21.14	16.20	0.0417
77	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@214	18.13	18.11	21.13	16.19	0.0416
77	15	40	631334	3470.01	CP-OFDM QPSK	108@54	21.09	21.22	24.17	19.23	0.0837
77	15	40	631334	3470.01	CP-OFDM QPSK	1@1	21.13	21.36	24.26	19.32	0.0854

77	15	40	631334	3470.01	CP-OFDM QPSK	1@214	21.05	21.1	24.09	19.15	0.0821
77	15	40	633334	3500.01	DFT-s- OFDM PI/2 BPSK	108@54	22.77	22.81	25.80	20.86	0.1219
77	15	40	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@1	22.74	22.92	25.84	20.90	0.1231
77	15	40	633334	3500.01	DFT-s- OFDM PI/2 BPSK	1@214	22.68	22.9	25.80	20.86	0.1219
77	15	40	633334	3500.01	DFT-s- OFDM QPSK	108@54	22.73	22.85	25.80	20.86	0.1219
77	15	40	633334	3500.01	DFT-s- OFDM QPSK	1@1	22.67	22.76	25.73	20.79	0.1198
77	15	40	633334	3500.01	DFT-s- OFDM QPSK	1@214	22.49	22.92	25.72	20.78	0.1197
77	15	40	633334	3500.01	DFT-s- OFDM 16 QAM	108@54	21.67	21.77	24.73	19.79	0.0953
77	15	40	633334	3500.01	DFT-s- OFDM 16 QAM	1@1	21.58	21.69	24.65	19.71	0.0934
77	15	40	633334	3500.01	DFT-s- OFDM 16 QAM	1@214	21.58	21.78	24.69	19.75	0.0944
77	15	40	633334	3500.01	DFT-s- OFDM 64 QAM	108@54	20.14	20.34	23.25	18.31	0.0678
77	15	40	633334	3500.01	DFT-s- OFDM 64 QAM	1@1	20.06	20.62	23.36	18.42	0.0695
77	15	40	633334	3500.01	DFT-s- OFDM 64 QAM	1@214	19.94	19.78	22.87	17.93	0.0621
77	15	40	633334	3500.01	DFT-s- OFDM 256 QAM	108@54	20.26	20.32	23.30	18.36	0.0686
77	15	40	633334	3500.01	DFT-s- OFDM 256 QAM	1@1	18.19	18.21	21.21	16.27	0.0424
77	15	40	633334	3500.01	DFT-s- OFDM 256 QAM	1@214	18.03	18.32	21.19	16.25	0.0421
77	15	40	633334	3500.01	CP-OFDM QPSK	108@54	21.23	21.28	24.27	19.33	0.0856
77	15	40	633334	3500.01	CP-OFDM QPSK	1@1	21.23	21.37	24.31	19.37	0.0865
77	15	40	633334	3500.01	CP-OFDM QPSK	1@214	21.04	21.35	24.21	19.27	0.0845
77	15	40	635333	3529.995	DFT-s- OFDM PI/2 BPSK	108@54	22.78	23.05	25.93	20.99	0.1255
77	15	40	635333	3529.995	DFT-s- OFDM PI/2 BPSK	1@1	22.71	23	25.87	20.93	0.1238
77	15	40	635333	3529.995	DFT-s- OFDM PI/2 BPSK	1@214	22.6	22.92	25.77	20.83	0.1212
77	15	40	635333	3529.995	DFT-s- OFDM QPSK	108@54	22.81	23.01	25.92	20.98	0.1254
77	15	40	635333	3529.995	DFT-s- OFDM QPSK	1@1	22.75	23.15	25.96	21.02	0.1266
77	15	40	635333	3529.995	DFT-s- OFDM	1@214	22.59	22.86	25.74	20.80	0.1202

QPSK											
77	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	108@54	21.79	22.02	24.92	19.98	0.0995
77	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@1	21.66	21.93	24.81	19.87	0.0970
77	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@214	21.54	21.98	24.78	19.84	0.0963
77	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	108@54	20.24	20.46	23.36	18.42	0.0695
77	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	1@1	20.23	19.94	23.10	18.16	0.0654
77	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	1@214	19.91	20.63	23.30	18.36	0.0685
77	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	108@54	18.22	18.43	21.34	16.40	0.0436
77	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	1@1	18.15	18.55	21.36	16.42	0.0439
77	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	1@214	18.04	18.42	21.24	16.30	0.0427
77	15	40	635333	3529.995	CP-OFDM QPSK	108@54	21.23	21.35	24.30	19.36	0.0863
77	15	40	635333	3529.995	CP-OFDM QPSK	1@1	21.22	21.58	24.41	19.47	0.0886
77	15	40	635333	3529.995	CP-OFDM QPSK	1@214	21.05	21.43	24.25	19.31	0.0854
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	135@67	22.19	22.22	25.22	20.28	0.1065
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@1	22.64	22.66	25.66	20.72	0.1180
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@268	22.61	22.65	25.64	20.70	0.1175
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	135@67	22.73	22.74	25.75	20.81	0.1204
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@1	22.68	22.71	25.71	20.77	0.1193
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@268	22.66	22.68	25.68	20.74	0.1186
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	135@67	21.7	21.75	24.74	19.80	0.0954
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@1	21.57	21.71	24.65	19.71	0.0936
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@268	21.45	21.4	24.44	19.50	0.0890
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	135@67	20.22	20.15	23.20	18.26	0.0669
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@1	20.29	19.94	23.13	18.19	0.0659
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@268	19.73	19.92	22.84	17.90	0.0616

QAM											
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	135@67	18.13	18.13	21.14	16.20	0.0417
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@1	18.04	18.13	21.10	16.16	0.0413
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@268	18.08	18.15	21.13	16.19	0.0415
77	15	50	631667	3475.005	CP-OFDM QPSK	135@67	21.05	21.21	24.14	19.20	0.0832
77	15	50	631667	3475.005	CP-OFDM QPSK	1@1	21.33	21.14	24.25	19.31	0.0852
77	15	50	631667	3475.005	CP-OFDM QPSK	1@268	21.01	21.11	24.07	19.13	0.0819
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	22.78	22.82	25.81	20.87	0.1222
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.8	22.9	25.86	20.92	0.1236
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@268	22.65	22.9	25.79	20.85	0.1215
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	135@67	22.76	22.88	25.83	20.89	0.1228
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.85	22.92	25.90	20.96	0.1246
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@268	22.74	22.78	25.77	20.83	0.1211
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	21.68	21.83	24.77	19.83	0.0961
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.76	21.73	24.76	19.82	0.0958
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@268	21.53	21.86	24.71	19.77	0.0948
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	20.2	20.32	23.27	18.33	0.0681
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	19.98	20.42	23.22	18.28	0.0672
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@268	20.17	19.79	22.99	18.05	0.0639
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	20.15	20.4	23.29	18.35	0.0683
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.21	18.36	21.30	16.36	0.0432
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@268	18.08	18.35	21.23	16.29	0.0425
77	15	50	633334	3500.01	CP-OFDM QPSK	135@67	21.21	21.33	24.28	19.34	0.0859
77	15	50	633334	3500.01	CP-OFDM QPSK	1@1	21.22	21.38	24.31	19.37	0.0865
77	15	50	633334	3500.01	CP-OFDM QPSK	1@268	21.13	21.51	24.33	19.39	0.0870



77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	135@67	22.69	22.95	25.83	20.89	0.1228
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	22.77	22.92	25.86	20.92	0.1235
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@268	22.61	23	25.82	20.88	0.1225
77	15	50	635000	3525	DFT-s-OFDM QPSK	135@67	22.78	22.95	25.88	20.94	0.1241
77	15	50	635000	3525	DFT-s-OFDM QPSK	1@1	22.85	22.94	25.91	20.97	0.1249
77	15	50	635000	3525	DFT-s-OFDM QPSK	1@268	22.63	22.92	25.79	20.85	0.1216
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	135@67	21.75	21.92	24.85	19.91	0.0979
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	21.84	21.74	24.80	19.86	0.0968
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@268	21.55	21.83	24.70	19.76	0.0947
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	135@67	20.23	20.46	23.36	18.42	0.0695
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	20.07	20.36	23.23	18.29	0.0674
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@268	19.92	20.59	23.28	18.34	0.0682
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	135@67	20.21	20.43	23.33	18.39	0.0691
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	18.24	18.39	21.33	16.39	0.0435
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@268	18.09	18.31	21.21	16.27	0.0424
77	15	50	635000	3525	CP-OFDM QPSK	135@67	21.26	21.38	24.33	19.39	0.0869
77	15	50	635000	3525	CP-OFDM QPSK	1@1	21.33	21.44	24.40	19.46	0.0882
77	15	50	635000	3525	CP-OFDM QPSK	1@268	21.26	21.36	24.32	19.38	0.0867

# FR1 N77 MIMO-15K(Ant 3)

## Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00306	PASS	NV
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00545	PASS	LV
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00321	PASS	HV
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00594	PASS	-30°C
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00488	PASS	-20°C
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00029	PASS	-10°C
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00391	PASS	0°C
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00253	PASS	10°C
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00261	PASS	20°C
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00391	PASS	30°C
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00228	PASS	40°C
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00265	PASS	50°C

## Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	100@0	4.63	13	PASS
77	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@0	4.52	13	PASS
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	100@0	5.87	13	PASS
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@0	6.33	13	PASS
77	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	4.6	13	PASS
77	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	4.57	13	PASS
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	5.92	13	PASS
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	5.94	13	PASS
77	15	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	100@0	4.66	13	PASS
77	15	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@0	4.53	13	PASS
77	15	20	636000	3540.0	DFT-s-OFDM QPSK	100@0	5.88	13	PASS
77	15	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	6.85	13	PASS

N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Low\_CH



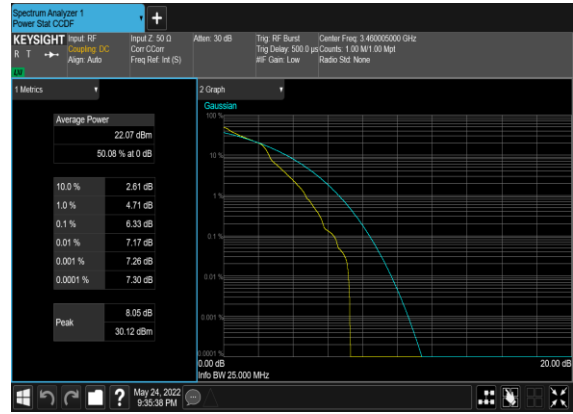
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Low\_CH



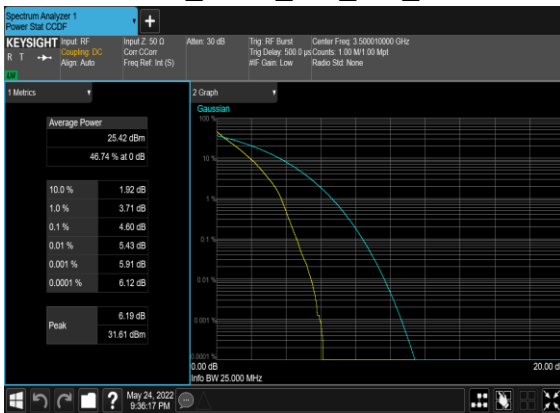
N77(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



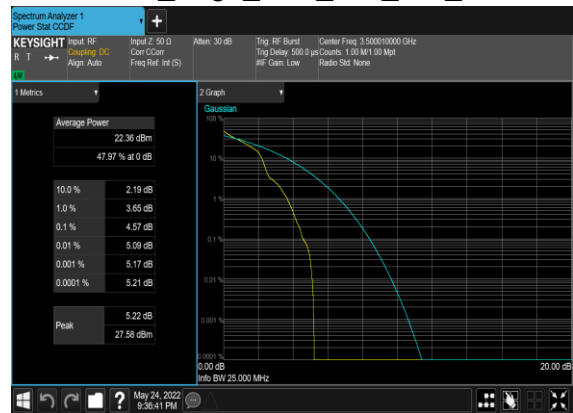
N77(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



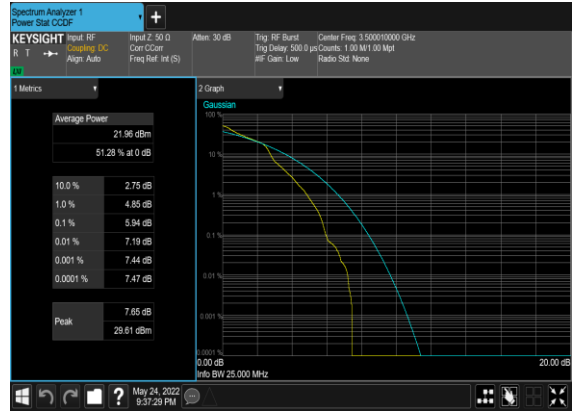
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_Mid\_CH



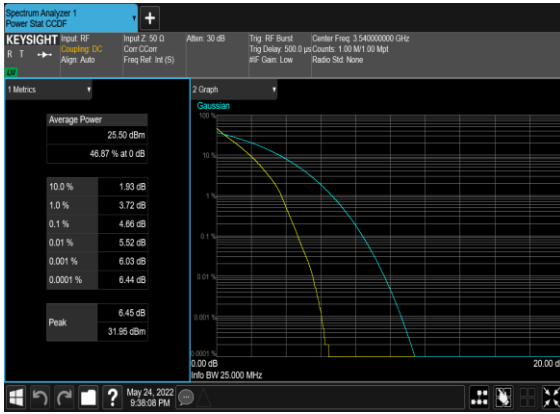
N77(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



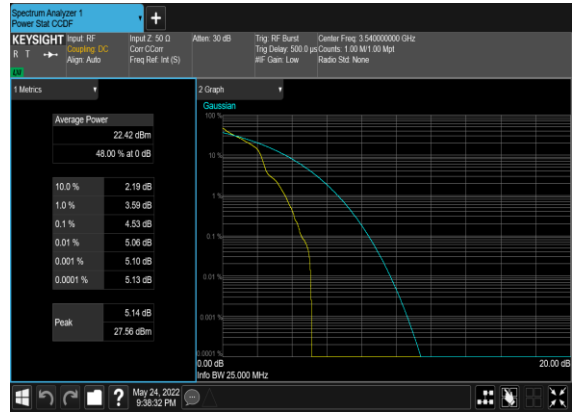
N77(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_High\_CH



N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Edge\_1RB\_Left\_High\_CH



N77(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



N77(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)
77	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	8.9175	9.35
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	50@0	8.8854	9.292
77	15	10	633334	3500.01	CP-OFDM QPSK	52@0	8.9152	9.35
77	15	10	633334	3500.01	CP-OFDM 16 QAM	52@0	9.2841	9.733
77	15	10	633334	3500.01	CP-OFDM 64 QAM	52@0	9.2883	9.811
77	15	10	633334	3500.01	CP-OFDM 256 QAM	52@0	9.2656	9.738
77	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	75@0	13.377	13.95
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	75@0	13.399	14.02
77	15	15	633334	3500.01	CP-OFDM QPSK	79@0	14.12	14.69
77	15	15	633334	3500.01	CP-OFDM 16 QAM	79@0	14.104	14.68
77	15	15	633334	3500.01	CP-OFDM 64 QAM	79@0	14.113	14.72
77	15	15	633334	3500.01	CP-OFDM 256 QAM	79@0	14.145	14.71
77	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	17.844	18.6
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	17.837	18.61
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	18.907	19.6
77	15	20	633334	3500.01	CP-OFDM 16 QAM	106@0	18.913	19.68
77	15	20	633334	3500.01	CP-OFDM 64 QAM	106@0	18.893	19.64
77	15	20	633334	3500.01	CP-OFDM 256 QAM	106@0	18.945	20.03
77	15	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	128@0	22.911	23.8
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	128@0	22.824	23.72
77	15	25	633334	3500.01	CP-OFDM QPSK	133@0	23.721	24.58
77	15	25	633334	3500.01	CP-OFDM 16 QAM	133@0	23.746	24.54
77	15	25	633334	3500.01	CP-OFDM 64 QAM	133@0	23.746	24.6
77	15	25	633334	3500.01	CP-OFDM 256 QAM	133@0	23.685	24.54

77	15	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	160@0	28.566	29.73
77	15	30	633334	3500.01	DFT-s-OFDM QPSK	160@0	28.614	29.99
77	15	30	633334	3500.01	CP-OFDM QPSK	160@0	28.583	29.55
77	15	30	633334	3500.01	CP-OFDM 16 QAM	160@0	28.556	29.67
77	15	30	633334	3500.01	CP-OFDM 64 QAM	160@0	28.441	29.65
77	15	30	633334	3500.01	CP-OFDM 256 QAM	160@0	28.558	29.92
77	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	216@0	38.599	40.24
77	15	40	633334	3500.01	DFT-s-OFDM QPSK	216@0	38.574	39.87
77	15	40	633334	3500.01	CP-OFDM QPSK	216@0	38.549	40.16
77	15	40	633334	3500.01	CP-OFDM 16 QAM	216@0	38.508	39.84
77	15	40	633334	3500.01	CP-OFDM 64 QAM	216@0	38.476	39.89
77	15	40	633334	3500.01	CP-OFDM 256 QAM	216@0	38.61	40.28
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	48.154	49.85
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	270@0	48.175	50.01
77	15	50	633334	3500.01	CP-OFDM QPSK	270@0	48.189	49.76
77	15	50	633334	3500.01	CP-OFDM 16 QAM	270@0	48.142	49.72
77	15	50	633334	3500.01	CP-OFDM 64 QAM	270@0	48.17	49.75
77	15	50	633334	3500.01	CP-OFDM 256 QAM	270@0	48.165	49.83