

## FCC Part 27

## Occupied bandwidth

n77\_1

Mode	99% OBW (MHz)	EBW (MHz)
10MHz_15kHz_3455MHz_CP-OFDM 16 QAM_RB52@0	9.283	9.55
10MHz_15kHz_3455MHz_CP-OFDM 256 QAM_RB52@0	9.288	9.569
10MHz_15kHz_3455MHz_CP-OFDM 64 QAM_RB52@0	9.284	9.558
10MHz_15kHz_3455MHz_CP-OFDM QPSK_RB52@0	9.283	9.556
10MHz_15kHz_3455MHz_DFT-s-OFDM 16 QAM_RB50@0	9.217	9.153
10MHz_15kHz_3455MHz_DFT-s-OFDM 256 QAM_RB50@0	9.218	9.189
10MHz_15kHz_3455MHz_DFT-s-OFDM 64 QAM_RB50@0	9.208	9.174
10MHz_15kHz_3455MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	9.215	9.165
10MHz_15kHz_3455MHz_DFT-s-OFDM QPSK_RB50@0	9.211	9.151
10MHz_15kHz_3500MHz_CP-OFDM 16 QAM_RB52@0	9.284	9.528
10MHz_15kHz_3500MHz_CP-OFDM 256 QAM_RB52@0	9.289	9.571
10MHz_15kHz_3500MHz_CP-OFDM 64 QAM_RB52@0	9.284	9.539
10MHz_15kHz_3500MHz_CP-OFDM QPSK_RB52@0	9.283	9.545
10MHz_15kHz_3500MHz_DFT-s-OFDM 16 QAM_RB50@0	9.217	9.162
10MHz_15kHz_3500MHz_DFT-s-OFDM 256 QAM_RB50@0	9.180	9.183
10MHz_15kHz_3500MHz_DFT-s-OFDM 64 QAM_RB50@0	9.211	9.146
10MHz_15kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	9.210	9.194
10MHz_15kHz_3500MHz_DFT-s-OFDM QPSK_RB50@0	9.211	9.181
10MHz_15kHz_3545MHz_CP-OFDM 16 QAM_RB52@0	9.287	9.539
10MHz_15kHz_3545MHz_CP-OFDM 256 QAM_RB52@0	9.287	9.543
10MHz_15kHz_3545MHz_CP-OFDM 64 QAM_RB52@0	9.284	9.535
10MHz_15kHz_3545MHz_CP-OFDM QPSK_RB52@0	9.283	9.513
10MHz_15kHz_3545MHz_DFT-s-OFDM 16 QAM_RB50@0	9.218	9.17
10MHz_15kHz_3545MHz_DFT-s-OFDM 256 QAM_RB50@0	9.208	9.17
10MHz_15kHz_3545MHz_DFT-s-OFDM 64 QAM_RB50@0	9.204	9.156
10MHz_15kHz_3545MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	9.207	9.147
10MHz_15kHz_3545MHz_DFT-s-OFDM QPSK_RB50@0	9.212	9.174
15MHz_15kHz_3457.5MHz_CP-OFDM 16 QAM_RB79@0	14.110	14.427
15MHz_15kHz_3457.5MHz_CP-OFDM 256 QAM_RB79@0	14.104	14.433
15MHz_15kHz_3457.5MHz_CP-OFDM 64 QAM_RB79@0	14.110	14.456
15MHz_15kHz_3457.5MHz_CP-OFDM QPSK_RB79@0	14.107	14.451
15MHz_15kHz_3457.5MHz_DFT-s-OFDM 16 QAM_RB75@0	13.996	13.704
15MHz_15kHz_3457.5MHz_DFT-s-OFDM 256 QAM_RB75@0	14.002	13.694
15MHz_15kHz_3457.5MHz_DFT-s-OFDM 64 QAM_RB75@0	13.945	13.726
15MHz_15kHz_3457.5MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	13.982	13.706
15MHz_15kHz_3457.5MHz_DFT-s-OFDM QPSK_RB75@0	13.948	13.69
15MHz_15kHz_3500MHz_CP-OFDM 16 QAM_RB79@0	14.109	14.423
15MHz_15kHz_3500MHz_CP-OFDM 256 QAM_RB79@0	14.108	14.435

Mode	99% OBW (MHz)	EBW (MHz)
15MHz_15kHz_3500MHz_CP-OFDM 64 QAM_RB79@0	14.109	14.447
15MHz_15kHz_3500MHz_CP-OFDM QPSK_RB79@0	14.103	14.463
15MHz_15kHz_3500MHz_DFT-s-OFDM 16 QAM_RB75@0	13.997	13.727
15MHz_15kHz_3500MHz_DFT-s-OFDM 256 QAM_RB75@0	13.983	13.688
15MHz_15kHz_3500MHz_DFT-s-OFDM 64 QAM_RB75@0	13.989	13.69
15MHz_15kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	13.992	13.73
15MHz_15kHz_3500MHz_DFT-s-OFDM QPSK_RB75@0	13.946	13.718
15MHz_15kHz_3542.5MHz_CP-OFDM 16 QAM_RB79@0	14.109	14.43
15MHz_15kHz_3542.5MHz_CP-OFDM 256 QAM_RB79@0	14.106	14.445
15MHz_15kHz_3542.5MHz_CP-OFDM 64 QAM_RB79@0	14.104	14.406
15MHz_15kHz_3542.5MHz_CP-OFDM QPSK_RB79@0	14.103	14.467
15MHz_15kHz_3542.5MHz_DFT-s-OFDM 16 QAM_RB75@0	13.991	13.715
15MHz_15kHz_3542.5MHz_DFT-s-OFDM 256 QAM_RB75@0	14.006	13.719
15MHz_15kHz_3542.5MHz_DFT-s-OFDM 64 QAM_RB75@0	13.996	13.709
15MHz_15kHz_3542.5MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	14.048	13.715
15MHz_15kHz_3542.5MHz_DFT-s-OFDM QPSK_RB75@0	13.998	13.697
20MHz_15kHz_3460MHz_CP-OFDM 16 QAM_RB106@0	18.924	19.31
20MHz_15kHz_3460MHz_CP-OFDM 256 QAM_RB106@0	18.894	19.304
20MHz_15kHz_3460MHz_CP-OFDM 64 QAM_RB106@0	18.891	19.311
20MHz_15kHz_3460MHz_CP-OFDM QPSK_RB106@0	18.891	19.343
20MHz_15kHz_3460MHz_DFT-s-OFDM 16 QAM_RB100@0	18.768	18.225
20MHz_15kHz_3460MHz_DFT-s-OFDM 256 QAM_RB100@0	18.723	18.165
20MHz_15kHz_3460MHz_DFT-s-OFDM 64 QAM_RB100@0	18.739	18.197
20MHz_15kHz_3460MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	18.697	18.19
20MHz_15kHz_3460MHz_DFT-s-OFDM QPSK_RB100@0	18.779	18.21
20MHz_15kHz_3500MHz_CP-OFDM 16 QAM_RB106@0	18.900	19.291
20MHz_15kHz_3500MHz_CP-OFDM 256 QAM_RB106@0	18.894	19.286
20MHz_15kHz_3500MHz_CP-OFDM 64 QAM_RB106@0	18.895	19.272
20MHz_15kHz_3500MHz_CP-OFDM QPSK_RB106@0	18.895	19.261
20MHz_15kHz_3500MHz_DFT-s-OFDM 16 QAM_RB100@0	18.767	18.224
20MHz_15kHz_3500MHz_DFT-s-OFDM 256 QAM_RB100@0	18.735	18.2
20MHz_15kHz_3500MHz_DFT-s-OFDM 64 QAM_RB100@0	18.763	18.213
20MHz_15kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	18.765	18.193
20MHz_15kHz_3500MHz_DFT-s-OFDM QPSK_RB100@0	18.731	18.212
20MHz_15kHz_3540MHz_CP-OFDM 16 QAM_RB106@0	18.895	19.301
20MHz_15kHz_3540MHz_CP-OFDM 256 QAM_RB106@0	18.889	19.291
20MHz_15kHz_3540MHz_CP-OFDM 64 QAM_RB106@0	18.890	19.285
20MHz_15kHz_3540MHz_CP-OFDM QPSK_RB106@0	18.888	19.284
20MHz_15kHz_3540MHz_DFT-s-OFDM 16 QAM_RB100@0	18.762	18.212
20MHz_15kHz_3540MHz_DFT-s-OFDM 256 QAM_RB100@0	18.734	18.169
20MHz_15kHz_3540MHz_DFT-s-OFDM 64 QAM_RB100@0	18.778	18.215

Mode	99% OBW (MHz)	EBW (MHz)
20MHz_15kHz_3540MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	18.771	18.217
20MHz_15kHz_3540MHz_DFT-s-OFDM QPSK_RB100@0	18.768	18.209
30MHz_15kHz_3465MHz_CP-OFDM 16 QAM_RB160@0	28.521	29.068
30MHz_15kHz_3465MHz_CP-OFDM 256 QAM_RB160@0	28.519	29.099
30MHz_15kHz_3465MHz_CP-OFDM 64 QAM_RB160@0	28.513	29.018
30MHz_15kHz_3465MHz_CP-OFDM QPSK_RB160@0	28.522	29.067
30MHz_15kHz_3465MHz_DFT-s-OFDM 16 QAM_RB160@0	28.525	29.011
30MHz_15kHz_3465MHz_DFT-s-OFDM 256 QAM_RB160@0	28.510	29.038
30MHz_15kHz_3465MHz_DFT-s-OFDM 64 QAM_RB160@0	28.563	29.067
30MHz_15kHz_3465MHz_DFT-s-OFDM PI/2 BPSK_RB160@0	28.514	29.026
30MHz_15kHz_3465MHz_DFT-s-OFDM QPSK_RB160@0	28.524	29.011
30MHz_15kHz_3500MHz_CP-OFDM 16 QAM_RB160@0	28.521	29.057
30MHz_15kHz_3500MHz_CP-OFDM 256 QAM_RB160@0	28.517	29.07
30MHz_15kHz_3500MHz_CP-OFDM 64 QAM_RB160@0	28.514	28.995
30MHz_15kHz_3500MHz_CP-OFDM QPSK_RB160@0	28.522	29.058
30MHz_15kHz_3500MHz_DFT-s-OFDM 16 QAM_RB160@0	28.525	29.041
30MHz_15kHz_3500MHz_DFT-s-OFDM 256 QAM_RB160@0	28.510	29.032
30MHz_15kHz_3500MHz_DFT-s-OFDM 64 QAM_RB160@0	28.523	29.013
30MHz_15kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB160@0	28.565	29.038
30MHz_15kHz_3500MHz_DFT-s-OFDM QPSK_RB160@0	28.513	28.996
30MHz_15kHz_3535MHz_CP-OFDM 16 QAM_RB160@0	28.522	29.052
30MHz_15kHz_3535MHz_CP-OFDM 256 QAM_RB160@0	28.519	29.075
30MHz_15kHz_3535MHz_CP-OFDM 64 QAM_RB160@0	28.514	28.991
30MHz_15kHz_3535MHz_CP-OFDM QPSK_RB160@0	28.526	29.048
30MHz_15kHz_3535MHz_DFT-s-OFDM 16 QAM_RB160@0	28.526	29.034
30MHz_15kHz_3535MHz_DFT-s-OFDM 256 QAM_RB160@0	28.511	29.01
30MHz_15kHz_3535MHz_DFT-s-OFDM 64 QAM_RB160@0	28.564	29.062
30MHz_15kHz_3535MHz_DFT-s-OFDM PI/2 BPSK_RB160@0	28.516	29.053
30MHz_15kHz_3535MHz_DFT-s-OFDM QPSK_RB160@0	28.515	28.989
40MHz_15kHz_3470MHz_CP-OFDM 16 QAM_RB216@0	38.511	39.163
40MHz_15kHz_3470MHz_CP-OFDM 256 QAM_RB216@0	38.514	39.233
40MHz_15kHz_3470MHz_CP-OFDM 64 QAM_RB216@0	38.513	39.11
40MHz_15kHz_3470MHz_CP-OFDM QPSK_RB216@0	38.509	39.23
40MHz_15kHz_3470MHz_DFT-s-OFDM 16 QAM_RB216@0	38.521	39.111
40MHz_15kHz_3470MHz_DFT-s-OFDM 256 QAM_RB216@0	38.475	39.099
40MHz_15kHz_3470MHz_DFT-s-OFDM 64 QAM_RB216@0	38.478	39.11
40MHz_15kHz_3470MHz_DFT-s-OFDM PI/2 BPSK_RB216@0	38.478	39.128
40MHz_15kHz_3470MHz_DFT-s-OFDM QPSK_RB216@0	38.472	39.13
40MHz_15kHz_3500MHz_CP-OFDM 16 QAM_RB216@0	38.512	39.075
40MHz_15kHz_3500MHz_CP-OFDM 256 QAM_RB216@0	38.474	39.124
40MHz_15kHz_3500MHz_CP-OFDM 64 QAM_RB216@0	38.509	39.111

Mode	99% OBW (MHz)	EBW (MHz)
40MHz_15kHz_3500MHz_CP-OFDM QPSK_RB216@0	38.475	39.173
40MHz_15kHz_3500MHz_DFT-s-OFDM 16 QAM_RB216@0	38.509	39.143
40MHz_15kHz_3500MHz_DFT-s-OFDM 256 QAM_RB216@0	38.472	39.155
40MHz_15kHz_3500MHz_DFT-s-OFDM 64 QAM_RB216@0	38.466	39.124
40MHz_15kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB216@0	38.517	39.08
40MHz_15kHz_3500MHz_DFT-s-OFDM QPSK_RB216@0	38.474	39.048
40MHz_15kHz_3530MHz_CP-OFDM 16 QAM_RB216@0	38.513	39.149
40MHz_15kHz_3530MHz_CP-OFDM 256 QAM_RB216@0	38.479	39.087
40MHz_15kHz_3530MHz_CP-OFDM 64 QAM_RB216@0	38.479	39.134
40MHz_15kHz_3530MHz_CP-OFDM QPSK_RB216@0	38.477	39.141
40MHz_15kHz_3530MHz_DFT-s-OFDM 16 QAM_RB216@0	38.515	39.096
40MHz_15kHz_3530MHz_DFT-s-OFDM 256 QAM_RB216@0	38.478	39.089
40MHz_15kHz_3530MHz_DFT-s-OFDM 64 QAM_RB216@0	38.469	39.091
40MHz_15kHz_3530MHz_DFT-s-OFDM PI/2 BPSK_RB216@0	38.476	39.104
40MHz_15kHz_3530MHz_DFT-s-OFDM QPSK_RB216@0	38.470	39.053
50MHz_15kHz_3475MHz_CP-OFDM 16 QAM_RB270@0	48.116	48.914
50MHz_15kHz_3475MHz_CP-OFDM 256 QAM_RB270@0	48.117	48.826
50MHz_15kHz_3475MHz_CP-OFDM 64 QAM_RB270@0	48.152	48.84
50MHz_15kHz_3475MHz_CP-OFDM QPSK_RB270@0	48.115	48.833
50MHz_15kHz_3475MHz_DFT-s-OFDM 16 QAM_RB270@0	48.157	48.848
50MHz_15kHz_3475MHz_DFT-s-OFDM 256 QAM_RB270@0	48.114	48.819
50MHz_15kHz_3475MHz_DFT-s-OFDM 64 QAM_RB270@0	48.117	48.9
50MHz_15kHz_3475MHz_DFT-s-OFDM PI/2 BPSK_RB270@0	48.112	48.869
50MHz_15kHz_3475MHz_DFT-s-OFDM QPSK_RB270@0	48.122	48.84
50MHz_15kHz_3500MHz_CP-OFDM 16 QAM_RB270@0	48.120	48.882
50MHz_15kHz_3500MHz_CP-OFDM 256 QAM_RB270@0	48.156	48.826
50MHz_15kHz_3500MHz_CP-OFDM 64 QAM_RB270@0	48.117	48.801
50MHz_15kHz_3500MHz_CP-OFDM QPSK_RB270@0	48.110	48.835
50MHz_15kHz_3500MHz_DFT-s-OFDM 16 QAM_RB270@0	48.119	48.837
50MHz_15kHz_3500MHz_DFT-s-OFDM 256 QAM_RB270@0	48.113	48.843
50MHz_15kHz_3500MHz_DFT-s-OFDM 64 QAM_RB270@0	48.107	48.803
50MHz_15kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB270@0	48.150	48.791
50MHz_15kHz_3500MHz_DFT-s-OFDM QPSK_RB270@0	48.156	48.775
50MHz_15kHz_3525MHz_CP-OFDM 16 QAM_RB270@0	48.122	48.888
50MHz_15kHz_3525MHz_CP-OFDM 256 QAM_RB270@0	48.162	48.865
50MHz_15kHz_3525MHz_CP-OFDM 64 QAM_RB270@0	48.123	48.856
50MHz_15kHz_3525MHz_CP-OFDM QPSK_RB270@0	48.116	48.905
50MHz_15kHz_3525MHz_DFT-s-OFDM 16 QAM_RB270@0	48.123	48.836
50MHz_15kHz_3525MHz_DFT-s-OFDM 256 QAM_RB270@0	48.117	48.854
50MHz_15kHz_3525MHz_DFT-s-OFDM 64 QAM_RB270@0	48.111	48.829
50MHz_15kHz_3525MHz_DFT-s-OFDM PI/2 BPSK_RB270@0	48.154	48.825

Mode	99% OBW (MHz)	EBW (MHz)
50MHz_15kHz_3525MHz_DFT-s-OFDM QPSK_RB270@0	48.152	48.816

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Mode	99% OBW (MHz)	EBW (MHz)
10MHz_15kHz_3705MHz_CP-OFDM 16 QAM_RB52@0	9.284	9.563
10MHz_15kHz_3705MHz_CP-OFDM 256 QAM_RB52@0	9.283	9.528
10MHz_15kHz_3705MHz_CP-OFDM 64 QAM_RB52@0	9.285	9.523
10MHz_15kHz_3705MHz_CP-OFDM QPSK_RB52@0	9.284	9.571
10MHz_15kHz_3705MHz_DFT-s-OFDM 16 QAM_RB50@0	9.205	9.176
10MHz_15kHz_3705MHz_DFT-s-OFDM 256 QAM_RB50@0	9.177	9.175
10MHz_15kHz_3705MHz_DFT-s-OFDM 64 QAM_RB50@0	9.216	9.188
10MHz_15kHz_3705MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	9.219	9.16
10MHz_15kHz_3705MHz_DFT-s-OFDM QPSK_RB50@0	9.201	9.171
10MHz_15kHz_3840MHz_CP-OFDM 16 QAM_RB52@0	9.285	9.56
10MHz_15kHz_3840MHz_CP-OFDM 256 QAM_RB52@0	9.285	9.536
10MHz_15kHz_3840MHz_CP-OFDM 64 QAM_RB52@0	9.284	9.547
10MHz_15kHz_3840MHz_CP-OFDM QPSK_RB52@0	9.287	9.545
10MHz_15kHz_3840MHz_DFT-s-OFDM 16 QAM_RB50@0	9.203	9.174
10MHz_15kHz_3840MHz_DFT-s-OFDM 256 QAM_RB50@0	9.208	9.146
10MHz_15kHz_3840MHz_DFT-s-OFDM 64 QAM_RB50@0	9.203	9.169
10MHz_15kHz_3840MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	9.209	9.163
10MHz_15kHz_3840MHz_DFT-s-OFDM QPSK_RB50@0	9.246	9.176
10MHz_15kHz_3975MHz_CP-OFDM 16 QAM_RB52@0	9.287	9.54
10MHz_15kHz_3975MHz_CP-OFDM 256 QAM_RB52@0	9.285	9.536
10MHz_15kHz_3975MHz_CP-OFDM 64 QAM_RB52@0	9.288	9.59
10MHz_15kHz_3975MHz_CP-OFDM QPSK_RB52@0	9.287	9.537
10MHz_15kHz_3975MHz_DFT-s-OFDM 16 QAM_RB50@0	9.213	9.188
10MHz_15kHz_3975MHz_DFT-s-OFDM 256 QAM_RB50@0	9.208	9.159
10MHz_15kHz_3975MHz_DFT-s-OFDM 64 QAM_RB50@0	9.214	9.187
10MHz_15kHz_3975MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	9.206	9.171
10MHz_15kHz_3975MHz_DFT-s-OFDM QPSK_RB50@0	9.206	9.187
10MHz_30kHz_3705MHz_CP-OFDM 16 QAM_RB24@0	8.569	8.934
10MHz_30kHz_3705MHz_CP-OFDM 256 QAM_RB24@0	8.572	8.919
10MHz_30kHz_3705MHz_CP-OFDM 64 QAM_RB24@0	8.574	8.935
10MHz_30kHz_3705MHz_CP-OFDM QPSK_RB24@0	8.571	9.034
10MHz_30kHz_3705MHz_DFT-s-OFDM 16 QAM_RB24@0	8.572	8.982
10MHz_30kHz_3705MHz_DFT-s-OFDM 256 QAM_RB24@0	8.574	8.983
10MHz_30kHz_3705MHz_DFT-s-OFDM 64 QAM_RB24@0	8.565	8.981
10MHz_30kHz_3705MHz_DFT-s-OFDM PI/2 BPSK_RB24@0	8.571	8.96
10MHz_30kHz_3705MHz_DFT-s-OFDM QPSK_RB24@0	8.573	8.938
10MHz_30kHz_3840MHz_CP-OFDM 16 QAM_RB24@0	8.566	8.914
10MHz_30kHz_3840MHz_CP-OFDM 256 QAM_RB24@0	8.574	8.959

Mode	99% OBW (MHz)	EBW (MHz)
10MHz_30kHz_3840MHz_CP-OFDM 64 QAM_RB24@0	8.570	8.988
10MHz_30kHz_3840MHz_CP-OFDM QPSK_RB24@0	8.572	8.947
10MHz_30kHz_3840MHz_DFT-s-OFDM 16 QAM_RB24@0	8.567	8.933
10MHz_30kHz_3840MHz_DFT-s-OFDM 256 QAM_RB24@0	8.568	8.998
10MHz_30kHz_3840MHz_DFT-s-OFDM 64 QAM_RB24@0	8.564	8.945
10MHz_30kHz_3840MHz_DFT-s-OFDM PI/2 BPSK_RB24@0	8.570	8.981
10MHz_30kHz_3840MHz_DFT-s-OFDM QPSK_RB24@0	8.568	9.006
10MHz_30kHz_3975MHz_CP-OFDM 16 QAM_RB24@0	8.567	8.913
10MHz_30kHz_3975MHz_CP-OFDM 256 QAM_RB24@0	8.573	8.959
10MHz_30kHz_3975MHz_CP-OFDM 64 QAM_RB24@0	8.568	8.973
10MHz_30kHz_3975MHz_CP-OFDM QPSK_RB24@0	8.575	9.071
10MHz_30kHz_3975MHz_DFT-s-OFDM 16 QAM_RB24@0	8.573	8.992
10MHz_30kHz_3975MHz_DFT-s-OFDM 256 QAM_RB24@0	8.574	8.952
10MHz_30kHz_3975MHz_DFT-s-OFDM 64 QAM_RB24@0	8.567	8.988
10MHz_30kHz_3975MHz_DFT-s-OFDM PI/2 BPSK_RB24@0	8.568	8.979
10MHz_30kHz_3975MHz_DFT-s-OFDM QPSK_RB24@0	8.573	8.957
15MHz_15kHz_3707.5MHz_CP-OFDM 16 QAM_RB79@0	14.111	14.468
15MHz_15kHz_3707.5MHz_CP-OFDM 256 QAM_RB79@0	14.107	14.429
15MHz_15kHz_3707.5MHz_CP-OFDM 64 QAM_RB79@0	14.106	14.46
15MHz_15kHz_3707.5MHz_CP-OFDM QPSK_RB79@0	14.104	14.416
15MHz_15kHz_3707.5MHz_DFT-s-OFDM 16 QAM_RB75@0	14.009	13.694
15MHz_15kHz_3707.5MHz_DFT-s-OFDM 256 QAM_RB75@0	13.987	13.715
15MHz_15kHz_3707.5MHz_DFT-s-OFDM 64 QAM_RB75@0	13.988	13.709
15MHz_15kHz_3707.5MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	13.995	13.699
15MHz_15kHz_3707.5MHz_DFT-s-OFDM QPSK_RB75@0	13.997	13.697
15MHz_15kHz_3840MHz_CP-OFDM 16 QAM_RB79@0	14.110	14.45
15MHz_15kHz_3840MHz_CP-OFDM 256 QAM_RB79@0	14.106	14.435
15MHz_15kHz_3840MHz_CP-OFDM 64 QAM_RB79@0	14.109	14.442
15MHz_15kHz_3840MHz_CP-OFDM QPSK_RB79@0	14.106	14.445
15MHz_15kHz_3840MHz_DFT-s-OFDM 16 QAM_RB75@0	13.994	13.73
15MHz_15kHz_3840MHz_DFT-s-OFDM 256 QAM_RB75@0	13.999	13.699
15MHz_15kHz_3840MHz_DFT-s-OFDM 64 QAM_RB75@0	13.943	13.718
15MHz_15kHz_3840MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	13.995	13.667
15MHz_15kHz_3840MHz_DFT-s-OFDM QPSK_RB75@0	13.944	13.695
15MHz_15kHz_3972.5MHz_CP-OFDM 16 QAM_RB79@0	14.105	14.46
15MHz_15kHz_3972.5MHz_CP-OFDM 256 QAM_RB79@0	14.111	14.455
15MHz_15kHz_3972.5MHz_CP-OFDM 64 QAM_RB79@0	14.105	14.406
15MHz_15kHz_3972.5MHz_CP-OFDM QPSK_RB79@0	14.107	14.441
15MHz_15kHz_3972.5MHz_DFT-s-OFDM 16 QAM_RB75@0	13.997	13.685
15MHz_15kHz_3972.5MHz_DFT-s-OFDM 256 QAM_RB75@0	13.990	13.711
15MHz_15kHz_3972.5MHz_DFT-s-OFDM 64 QAM_RB75@0	13.990	13.717



Mode	99% OBW (MHz)	EBW (MHz)
15MHz_15kHz_3972.5MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	13.988	13.741
15MHz_15kHz_3972.5MHz_DFT-s-OFDM QPSK_RB75@0	13.994	13.689
15MHz_30kHz_3707.5MHz_CP-OFDM 16 QAM_RB38@0	13.529	13.978
15MHz_30kHz_3707.5MHz_CP-OFDM 256 QAM_RB38@0	13.578	13.974
15MHz_30kHz_3707.5MHz_CP-OFDM 64 QAM_RB38@0	13.572	14.046
15MHz_30kHz_3707.5MHz_CP-OFDM QPSK_RB38@0	13.571	14.116
15MHz_30kHz_3707.5MHz_DFT-s-OFDM 16 QAM_RB36@0	13.453	13.296
15MHz_30kHz_3707.5MHz_DFT-s-OFDM 256 QAM_RB36@0	13.461	13.332
15MHz_30kHz_3707.5MHz_DFT-s-OFDM 64 QAM_RB36@0	13.504	13.387
15MHz_30kHz_3707.5MHz_DFT-s-OFDM PI/2 BPSK_RB36@0	13.461	13.25
15MHz_30kHz_3707.5MHz_DFT-s-OFDM QPSK_RB36@0	13.525	13.288
15MHz_30kHz_3840MHz_CP-OFDM 16 QAM_RB38@0	13.564	14.071
15MHz_30kHz_3840MHz_CP-OFDM 256 QAM_RB38@0	13.576	14.029
15MHz_30kHz_3840MHz_CP-OFDM 64 QAM_RB38@0	13.572	14.021
15MHz_30kHz_3840MHz_CP-OFDM QPSK_RB38@0	13.570	14.04
15MHz_30kHz_3840MHz_DFT-s-OFDM 16 QAM_RB36@0	13.448	13.347
15MHz_30kHz_3840MHz_DFT-s-OFDM 256 QAM_RB36@0	13.465	13.334
15MHz_30kHz_3840MHz_DFT-s-OFDM 64 QAM_RB36@0	13.511	13.325
15MHz_30kHz_3840MHz_DFT-s-OFDM PI/2 BPSK_RB36@0	13.457	13.329
15MHz_30kHz_3840MHz_DFT-s-OFDM QPSK_RB36@0	13.465	13.323
15MHz_30kHz_3972.5MHz_CP-OFDM 16 QAM_RB38@0	13.579	14.08
15MHz_30kHz_3972.5MHz_CP-OFDM 256 QAM_RB38@0	13.573	14.115
15MHz_30kHz_3972.5MHz_CP-OFDM 64 QAM_RB38@0	13.573	14.071
15MHz_30kHz_3972.5MHz_CP-OFDM QPSK_RB38@0	13.570	14.089
15MHz_30kHz_3972.5MHz_DFT-s-OFDM 16 QAM_RB36@0	13.451	13.318
15MHz_30kHz_3972.5MHz_DFT-s-OFDM 256 QAM_RB36@0	13.464	13.334
15MHz_30kHz_3972.5MHz_DFT-s-OFDM 64 QAM_RB36@0	13.503	13.381
15MHz_30kHz_3972.5MHz_DFT-s-OFDM PI/2 BPSK_RB36@0	13.462	13.339
15MHz_30kHz_3972.5MHz_DFT-s-OFDM QPSK_RB36@0	13.465	13.26
20MHz_15kHz_3710MHz_CP-OFDM 16 QAM_RB106@0	18.892	19.306
20MHz_15kHz_3710MHz_CP-OFDM 256 QAM_RB106@0	18.888	19.267
20MHz_15kHz_3710MHz_CP-OFDM 64 QAM_RB106@0	18.889	19.284
20MHz_15kHz_3710MHz_CP-OFDM QPSK_RB106@0	18.895	19.325
20MHz_15kHz_3710MHz_DFT-s-OFDM 16 QAM_RB100@0	18.729	18.203
20MHz_15kHz_3710MHz_DFT-s-OFDM 256 QAM_RB100@0	18.726	18.181
20MHz_15kHz_3710MHz_DFT-s-OFDM 64 QAM_RB100@0	18.773	18.224
20MHz_15kHz_3710MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	18.766	18.236
20MHz_15kHz_3710MHz_DFT-s-OFDM QPSK_RB100@0	18.729	18.157
20MHz_15kHz_3840MHz_CP-OFDM 16 QAM_RB106@0	18.899	19.273
20MHz_15kHz_3840MHz_CP-OFDM 256 QAM_RB106@0	18.892	19.305

Mode	99% OBW (MHz)	EBW (MHz)
20MHz_15kHz_3840MHz_CP-OFDM 64 QAM_RB106@0	18.891	19.252
20MHz_15kHz_3840MHz_CP-OFDM QPSK_RB106@0	18.896	19.299
20MHz_15kHz_3840MHz_DFT-s-OFDM 16 QAM_RB100@0	18.734	18.209
20MHz_15kHz_3840MHz_DFT-s-OFDM 256 QAM_RB100@0	18.737	18.248
20MHz_15kHz_3840MHz_DFT-s-OFDM 64 QAM_RB100@0	18.772	18.243
20MHz_15kHz_3840MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	18.769	18.206
20MHz_15kHz_3840MHz_DFT-s-OFDM QPSK_RB100@0	18.764	18.241
20MHz_15kHz_3970MHz_CP-OFDM 16 QAM_RB106@0	18.894	19.319
20MHz_15kHz_3970MHz_CP-OFDM 256 QAM_RB106@0	18.894	19.268
20MHz_15kHz_3970MHz_CP-OFDM 64 QAM_RB106@0	18.891	19.272
20MHz_15kHz_3970MHz_CP-OFDM QPSK_RB106@0	18.897	19.354
20MHz_15kHz_3970MHz_DFT-s-OFDM 16 QAM_RB100@0	18.764	18.191
20MHz_15kHz_3970MHz_DFT-s-OFDM 256 QAM_RB100@0	18.727	18.218
20MHz_15kHz_3970MHz_DFT-s-OFDM 64 QAM_RB100@0	18.801	18.265
20MHz_15kHz_3970MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	18.740	18.233
20MHz_15kHz_3970MHz_DFT-s-OFDM QPSK_RB100@0	18.738	18.257
20MHz_30kHz_3710MHz_CP-OFDM 16 QAM_RB51@0	18.208	18.763
20MHz_30kHz_3710MHz_CP-OFDM 256 QAM_RB51@0	18.203	18.693
20MHz_30kHz_3710MHz_CP-OFDM 64 QAM_RB51@0	18.172	18.733
20MHz_30kHz_3710MHz_CP-OFDM QPSK_RB51@0	18.204	18.766
20MHz_30kHz_3710MHz_DFT-s-OFDM 16 QAM_RB50@0	18.059	18.327
20MHz_30kHz_3710MHz_DFT-s-OFDM 256 QAM_RB50@0	18.042	18.254
20MHz_30kHz_3710MHz_DFT-s-OFDM 64 QAM_RB50@0	18.053	18.218
20MHz_30kHz_3710MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	18.058	18.368
20MHz_30kHz_3710MHz_DFT-s-OFDM QPSK_RB50@0	18.047	18.293
20MHz_30kHz_3840MHz_CP-OFDM 16 QAM_RB51@0	18.201	18.702
20MHz_30kHz_3840MHz_CP-OFDM 256 QAM_RB51@0	18.201	18.698
20MHz_30kHz_3840MHz_CP-OFDM 64 QAM_RB51@0	18.203	18.698
20MHz_30kHz_3840MHz_CP-OFDM QPSK_RB51@0	18.178	18.618
20MHz_30kHz_3840MHz_DFT-s-OFDM 16 QAM_RB50@0	18.057	18.336
20MHz_30kHz_3840MHz_DFT-s-OFDM 256 QAM_RB50@0	18.048	18.302
20MHz_30kHz_3840MHz_DFT-s-OFDM 64 QAM_RB50@0	18.099	18.354
20MHz_30kHz_3840MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	18.082	18.316
20MHz_30kHz_3840MHz_DFT-s-OFDM QPSK_RB50@0	18.016	18.336
20MHz_30kHz_3970MHz_CP-OFDM 16 QAM_RB51@0	18.178	18.682
20MHz_30kHz_3970MHz_CP-OFDM 256 QAM_RB51@0	18.201	18.7
20MHz_30kHz_3970MHz_CP-OFDM 64 QAM_RB51@0	18.209	18.697
20MHz_30kHz_3970MHz_CP-OFDM QPSK_RB51@0	18.178	18.77
20MHz_30kHz_3970MHz_DFT-s-OFDM 16 QAM_RB50@0	18.081	18.324
20MHz_30kHz_3970MHz_DFT-s-OFDM 256 QAM_RB50@0	18.040	18.283
20MHz_30kHz_3970MHz_DFT-s-OFDM 64 QAM_RB50@0	18.098	18.279



Mode	99% OBW (MHz)	EBW (MHz)
20MHz_30kHz_3970MHz_DFT-s-OFDM PI/2 BPSK_RB50@0	18.091	18.305
20MHz_30kHz_3970MHz_DFT-s-OFDM QPSK_RB50@0	18.019	18.373
30MHz_15kHz_3715MHz_CP-OFDM 16 QAM_RB160@0	28.528	29.121
30MHz_15kHz_3715MHz_CP-OFDM 256 QAM_RB160@0	28.526	29.109
30MHz_15kHz_3715MHz_CP-OFDM 64 QAM_RB160@0	28.518	29.074
30MHz_15kHz_3715MHz_CP-OFDM QPSK_RB160@0	28.523	29.069
30MHz_15kHz_3715MHz_DFT-s-OFDM 16 QAM_RB160@0	28.506	29.035
30MHz_15kHz_3715MHz_DFT-s-OFDM 256 QAM_RB160@0	28.511	29.012
30MHz_15kHz_3715MHz_DFT-s-OFDM 64 QAM_RB160@0	28.520	29.006
30MHz_15kHz_3715MHz_DFT-s-OFDM PI/2 BPSK_RB160@0	28.525	29.001
30MHz_15kHz_3715MHz_DFT-s-OFDM QPSK_RB160@0	28.561	29.035
30MHz_15kHz_3840MHz_CP-OFDM 16 QAM_RB160@0	28.527	29.111
30MHz_15kHz_3840MHz_CP-OFDM 256 QAM_RB160@0	28.522	29.094
30MHz_15kHz_3840MHz_CP-OFDM 64 QAM_RB160@0	28.518	29.069
30MHz_15kHz_3840MHz_CP-OFDM QPSK_RB160@0	28.521	29.109
30MHz_15kHz_3840MHz_DFT-s-OFDM 16 QAM_RB160@0	28.521	29.044
30MHz_15kHz_3840MHz_DFT-s-OFDM 256 QAM_RB160@0	28.513	29.019
30MHz_15kHz_3840MHz_DFT-s-OFDM 64 QAM_RB160@0	28.518	29.054
30MHz_15kHz_3840MHz_DFT-s-OFDM PI/2 BPSK_RB160@0	28.523	29.008
30MHz_15kHz_3840MHz_DFT-s-OFDM QPSK_RB160@0	28.513	29.007
30MHz_15kHz_3965MHz_CP-OFDM 16 QAM_RB160@0	28.517	29.043
30MHz_15kHz_3965MHz_CP-OFDM 256 QAM_RB160@0	28.527	29.087
30MHz_15kHz_3965MHz_CP-OFDM 64 QAM_RB160@0	28.520	29.108
30MHz_15kHz_3965MHz_CP-OFDM QPSK_RB160@0	28.524	29.052
30MHz_15kHz_3965MHz_DFT-s-OFDM 16 QAM_RB160@0	28.569	29.061
30MHz_15kHz_3965MHz_DFT-s-OFDM 256 QAM_RB160@0	28.514	29.021
30MHz_15kHz_3965MHz_DFT-s-OFDM 64 QAM_RB160@0	28.517	29.016
30MHz_15kHz_3965MHz_DFT-s-OFDM PI/2 BPSK_RB160@0	28.519	29.049
30MHz_15kHz_3965MHz_DFT-s-OFDM QPSK_RB160@0	28.520	28.989
40MHz_15kHz_3720MHz_CP-OFDM 16 QAM_RB216@0	38.512	39.117
40MHz_15kHz_3720MHz_CP-OFDM 256 QAM_RB216@0	38.511	39.075
40MHz_15kHz_3720MHz_CP-OFDM 64 QAM_RB216@0	38.509	39.159
40MHz_15kHz_3720MHz_CP-OFDM QPSK_RB216@0	38.512	39.182
40MHz_15kHz_3720MHz_DFT-s-OFDM 16 QAM_RB216@0	38.477	39.123
40MHz_15kHz_3720MHz_DFT-s-OFDM 256 QAM_RB216@0	38.467	39.101
40MHz_15kHz_3720MHz_DFT-s-OFDM 64 QAM_RB216@0	38.508	39.157
40MHz_15kHz_3720MHz_DFT-s-OFDM PI/2 BPSK_RB216@0	38.514	39.135
40MHz_15kHz_3720MHz_DFT-s-OFDM QPSK_RB216@0	38.509	39.136
40MHz_15kHz_3840MHz_CP-OFDM 16 QAM_RB216@0	38.513	39.103
40MHz_15kHz_3840MHz_CP-OFDM 256 QAM_RB216@0	38.515	39.149
40MHz_15kHz_3840MHz_CP-OFDM 64 QAM_RB216@0	38.515	39.148

Mode	99% OBW (MHz)	EBW (MHz)
40MHz_15kHz_3840MHz_CP-OFDM QPSK_RB216@0	38.514	39.203
40MHz_15kHz_3840MHz_DFT-s-OFDM 16 QAM_RB216@0	38.518	39.194
40MHz_15kHz_3840MHz_DFT-s-OFDM 256 QAM_RB216@0	38.471	39.131
40MHz_15kHz_3840MHz_DFT-s-OFDM 64 QAM_RB216@0	38.511	39.143
40MHz_15kHz_3840MHz_DFT-s-OFDM PI/2 BPSK_RB216@0	38.519	39.103
40MHz_15kHz_3840MHz_DFT-s-OFDM QPSK_RB216@0	38.511	39.154
40MHz_15kHz_3960MHz_CP-OFDM 16 QAM_RB216@0	38.520	39.219
40MHz_15kHz_3960MHz_CP-OFDM 256 QAM_RB216@0	38.516	39.139
40MHz_15kHz_3960MHz_CP-OFDM 64 QAM_RB216@0	38.512	39.131
40MHz_15kHz_3960MHz_CP-OFDM QPSK_RB216@0	38.515	39.222
40MHz_15kHz_3960MHz_DFT-s-OFDM 16 QAM_RB216@0	38.515	39.144
40MHz_15kHz_3960MHz_DFT-s-OFDM 256 QAM_RB216@0	38.475	39.155
40MHz_15kHz_3960MHz_DFT-s-OFDM 64 QAM_RB216@0	38.480	39.14
40MHz_15kHz_3960MHz_DFT-s-OFDM PI/2 BPSK_RB216@0	38.516	39.124
40MHz_15kHz_3960MHz_DFT-s-OFDM QPSK_RB216@0	38.514	39.187
40MHz_30kHz_3720MHz_CP-OFDM 16 QAM_RB106@0	37.777	38.542
40MHz_30kHz_3720MHz_CP-OFDM 256 QAM_RB106@0	37.817	38.554
40MHz_30kHz_3720MHz_CP-OFDM 64 QAM_RB106@0	37.775	38.527
40MHz_30kHz_3720MHz_CP-OFDM QPSK_RB106@0	37.774	38.642
40MHz_30kHz_3720MHz_DFT-s-OFDM 16 QAM_RB100@0	37.454	36.374
40MHz_30kHz_3720MHz_DFT-s-OFDM 256 QAM_RB100@0	37.499	36.41
40MHz_30kHz_3720MHz_DFT-s-OFDM 64 QAM_RB100@0	37.569	36.395
40MHz_30kHz_3720MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	37.442	36.41
40MHz_30kHz_3720MHz_DFT-s-OFDM QPSK_RB100@0	37.516	36.408
40MHz_30kHz_3840MHz_CP-OFDM 16 QAM_RB106@0	37.815	38.615
40MHz_30kHz_3840MHz_CP-OFDM 256 QAM_RB106@0	37.817	38.551
40MHz_30kHz_3840MHz_CP-OFDM 64 QAM_RB106@0	37.785	38.627
40MHz_30kHz_3840MHz_CP-OFDM QPSK_RB106@0	37.781	38.611
40MHz_30kHz_3840MHz_DFT-s-OFDM 16 QAM_RB100@0	37.444	36.417
40MHz_30kHz_3840MHz_DFT-s-OFDM 256 QAM_RB100@0	37.446	36.37
40MHz_30kHz_3840MHz_DFT-s-OFDM 64 QAM_RB100@0	37.408	36.424
40MHz_30kHz_3840MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	37.444	36.432
40MHz_30kHz_3840MHz_DFT-s-OFDM QPSK_RB100@0	37.513	36.421
40MHz_30kHz_3960MHz_CP-OFDM 16 QAM_RB106@0	37.777	38.575
40MHz_30kHz_3960MHz_CP-OFDM 256 QAM_RB106@0	37.783	38.593
40MHz_30kHz_3960MHz_CP-OFDM 64 QAM_RB106@0	37.821	38.615
40MHz_30kHz_3960MHz_CP-OFDM QPSK_RB106@0	37.783	38.566
40MHz_30kHz_3960MHz_DFT-s-OFDM 16 QAM_RB100@0	37.549	36.48
40MHz_30kHz_3960MHz_DFT-s-OFDM 256 QAM_RB100@0	37.452	36.443
40MHz_30kHz_3960MHz_DFT-s-OFDM 64 QAM_RB100@0	37.455	36.388
40MHz_30kHz_3960MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	37.505	36.34

Mode	99% OBW (MHz)	EBW (MHz)
40MHz_30kHz_3960MHz_DFT-s-OFDM QPSK_RB100@0	37.494	36.521
50MHz_15kHz_3725MHz_CP-OFDM 16 QAM_RB270@0	48.124	48.894
50MHz_15kHz_3725MHz_CP-OFDM 256 QAM_RB270@0	48.118	48.817
50MHz_15kHz_3725MHz_CP-OFDM 64 QAM_RB270@0	48.116	48.873
50MHz_15kHz_3725MHz_CP-OFDM QPSK_RB270@0	48.118	48.824
50MHz_15kHz_3725MHz_DFT-s-OFDM 16 QAM_RB270@0	48.157	48.836
50MHz_15kHz_3725MHz_DFT-s-OFDM 256 QAM_RB270@0	48.115	48.887
50MHz_15kHz_3725MHz_DFT-s-OFDM 64 QAM_RB270@0	48.115	48.812
50MHz_15kHz_3725MHz_DFT-s-OFDM PI/2 BPSK_RB270@0	48.154	48.826
50MHz_15kHz_3725MHz_DFT-s-OFDM QPSK_RB270@0	48.154	48.828
50MHz_15kHz_3840MHz_CP-OFDM 16 QAM_RB270@0	48.150	48.88
50MHz_15kHz_3840MHz_CP-OFDM 256 QAM_RB270@0	48.122	48.847
50MHz_15kHz_3840MHz_CP-OFDM 64 QAM_RB270@0	48.119	48.884
50MHz_15kHz_3840MHz_CP-OFDM QPSK_RB270@0	48.121	48.795
50MHz_15kHz_3840MHz_DFT-s-OFDM 16 QAM_RB270@0	48.162	48.854
50MHz_15kHz_3840MHz_DFT-s-OFDM 256 QAM_RB270@0	48.115	48.834
50MHz_15kHz_3840MHz_DFT-s-OFDM 64 QAM_RB270@0	48.115	48.833
50MHz_15kHz_3840MHz_DFT-s-OFDM PI/2 BPSK_RB270@0	48.106	48.823
50MHz_15kHz_3840MHz_DFT-s-OFDM QPSK_RB270@0	48.122	48.835
50MHz_15kHz_3955MHz_CP-OFDM 16 QAM_RB270@0	48.151	48.868
50MHz_15kHz_3955MHz_CP-OFDM 256 QAM_RB270@0	48.122	48.838
50MHz_15kHz_3955MHz_CP-OFDM 64 QAM_RB270@0	48.117	48.864
50MHz_15kHz_3955MHz_CP-OFDM QPSK_RB270@0	48.125	48.852
50MHz_15kHz_3955MHz_DFT-s-OFDM 16 QAM_RB270@0	48.163	48.84
50MHz_15kHz_3955MHz_DFT-s-OFDM 256 QAM_RB270@0	48.114	48.837
50MHz_15kHz_3955MHz_DFT-s-OFDM 64 QAM_RB270@0	48.116	48.828
50MHz_15kHz_3955MHz_DFT-s-OFDM PI/2 BPSK_RB270@0	48.111	48.823
50MHz_15kHz_3955MHz_DFT-s-OFDM QPSK_RB270@0	48.159	48.828
50MHz_30kHz_3725MHz_CP-OFDM 16 QAM_RB133@0	47.461	48.243
50MHz_30kHz_3725MHz_CP-OFDM 256 QAM_RB133@0	47.406	48.234
50MHz_30kHz_3725MHz_CP-OFDM 64 QAM_RB133@0	47.370	48.233
50MHz_30kHz_3725MHz_CP-OFDM QPSK_RB133@0	47.415	48.273
50MHz_30kHz_3725MHz_DFT-s-OFDM 16 QAM_RB128@0	47.064	46.368
50MHz_30kHz_3725MHz_DFT-s-OFDM 256 QAM_RB128@0	47.002	46.481
50MHz_30kHz_3725MHz_DFT-s-OFDM 64 QAM_RB128@0	47.068	46.428
50MHz_30kHz_3725MHz_DFT-s-OFDM PI/2 BPSK_RB128@0	47.107	46.375
50MHz_30kHz_3725MHz_DFT-s-OFDM QPSK_RB128@0	47.070	46.457
50MHz_30kHz_3840MHz_CP-OFDM 16 QAM_RB133@0	47.452	48.314
50MHz_30kHz_3840MHz_CP-OFDM 256 QAM_RB133@0	47.410	48.267
50MHz_30kHz_3840MHz_CP-OFDM 64 QAM_RB133@0	47.372	48.241
50MHz_30kHz_3840MHz_CP-OFDM QPSK_RB133@0	47.417	48.237

Mode	99% OBW (MHz)	EBW (MHz)
50MHz_30kHz_3840MHz_DFT-s-OFDM 16 QAM_RB128@0	47.005	46.311
50MHz_30kHz_3840MHz_DFT-s-OFDM 256 QAM_RB128@0	46.909	46.364
50MHz_30kHz_3840MHz_DFT-s-OFDM 64 QAM_RB128@0	47.023	46.448
50MHz_30kHz_3840MHz_DFT-s-OFDM PI/2 BPSK_RB128@0	46.960	46.419
50MHz_30kHz_3840MHz_DFT-s-OFDM QPSK_RB128@0	46.956	46.458
50MHz_30kHz_3955MHz_CP-OFDM 16 QAM_RB133@0	47.410	48.386
50MHz_30kHz_3955MHz_CP-OFDM 256 QAM_RB133@0	47.458	48.342
50MHz_30kHz_3955MHz_CP-OFDM 64 QAM_RB133@0	47.454	48.222
50MHz_30kHz_3955MHz_CP-OFDM QPSK_RB133@0	47.418	48.332
50MHz_30kHz_3955MHz_DFT-s-OFDM 16 QAM_RB128@0	47.113	46.444
50MHz_30kHz_3955MHz_DFT-s-OFDM 256 QAM_RB128@0	47.107	46.388
50MHz_30kHz_3955MHz_DFT-s-OFDM 64 QAM_RB128@0	47.170	46.454
50MHz_30kHz_3955MHz_DFT-s-OFDM PI/2 BPSK_RB128@0	47.021	46.433
50MHz_30kHz_3955MHz_DFT-s-OFDM QPSK_RB128@0	47.074	46.436
60MHz_30kHz_3730MHz_CP-OFDM 16 QAM_RB162@0	57.735	58.711
60MHz_30kHz_3730MHz_CP-OFDM 256 QAM_RB162@0	57.620	58.604
60MHz_30kHz_3730MHz_CP-OFDM 64 QAM_RB162@0	57.745	58.678
60MHz_30kHz_3730MHz_CP-OFDM QPSK_RB162@0	57.688	58.671
60MHz_30kHz_3730MHz_DFT-s-OFDM 16 QAM_RB162@0	57.689	58.616
60MHz_30kHz_3730MHz_DFT-s-OFDM 256 QAM_RB162@0	57.734	58.676
60MHz_30kHz_3730MHz_DFT-s-OFDM 64 QAM_RB162@0	57.737	58.676
60MHz_30kHz_3730MHz_DFT-s-OFDM PI/2 BPSK_RB162@0	57.722	58.591
60MHz_30kHz_3730MHz_DFT-s-OFDM QPSK_RB162@0	57.788	58.632
60MHz_30kHz_3840MHz_CP-OFDM 16 QAM_RB162@0	57.685	58.658
60MHz_30kHz_3840MHz_CP-OFDM 256 QAM_RB162@0	57.727	58.666
60MHz_30kHz_3840MHz_CP-OFDM 64 QAM_RB162@0	57.728	58.645
60MHz_30kHz_3840MHz_CP-OFDM QPSK_RB162@0	57.735	58.593
60MHz_30kHz_3840MHz_DFT-s-OFDM 16 QAM_RB162@0	57.806	58.715
60MHz_30kHz_3840MHz_DFT-s-OFDM 256 QAM_RB162@0	57.742	58.717
60MHz_30kHz_3840MHz_DFT-s-OFDM 64 QAM_RB162@0	57.746	58.675
60MHz_30kHz_3840MHz_DFT-s-OFDM PI/2 BPSK_RB162@0	57.747	58.651
60MHz_30kHz_3840MHz_DFT-s-OFDM QPSK_RB162@0	57.791	58.662
60MHz_30kHz_3950MHz_CP-OFDM 16 QAM_RB162@0	57.687	58.735
60MHz_30kHz_3950MHz_CP-OFDM 256 QAM_RB162@0	57.727	58.747
60MHz_30kHz_3950MHz_CP-OFDM 64 QAM_RB162@0	57.725	58.674
60MHz_30kHz_3950MHz_CP-OFDM QPSK_RB162@0	57.735	58.766
60MHz_30kHz_3950MHz_DFT-s-OFDM 16 QAM_RB162@0	57.840	58.754
60MHz_30kHz_3950MHz_DFT-s-OFDM 256 QAM_RB162@0	57.746	58.664
60MHz_30kHz_3950MHz_DFT-s-OFDM 64 QAM_RB162@0	57.747	58.7
60MHz_30kHz_3950MHz_DFT-s-OFDM PI/2 BPSK_RB162@0	57.781	58.681
60MHz_30kHz_3950MHz_DFT-s-OFDM QPSK_RB162@0	57.741	58.691

<b>Mode</b>	<b>99% OBW (MHz)</b>	<b>EBW (MHz)</b>
80MHz_30kHz_3740MHz_CP-OFDM 16 QAM_RB217@0	77.354	78.523
80MHz_30kHz_3740MHz_CP-OFDM 256 QAM_RB217@0	77.345	78.451
80MHz_30kHz_3740MHz_CP-OFDM 64 QAM_RB217@0	77.389	78.488
80MHz_30kHz_3740MHz_CP-OFDM QPSK_RB217@0	77.294	78.379
80MHz_30kHz_3740MHz_DFT-s-OFDM 16 QAM_RB216@0	77.015	78.142
80MHz_30kHz_3740MHz_DFT-s-OFDM 256 QAM_RB216@0	77.023	78.194
80MHz_30kHz_3740MHz_DFT-s-OFDM 64 QAM_RB216@0	77.078	78.162
80MHz_30kHz_3740MHz_DFT-s-OFDM PI/2 BPSK_RB216@0	76.969	78.133
80MHz_30kHz_3740MHz_DFT-s-OFDM QPSK_RB216@0	77.023	78.164
80MHz_30kHz_3840MHz_CP-OFDM 16 QAM_RB217@0	77.394	78.553
80MHz_30kHz_3840MHz_CP-OFDM 256 QAM_RB217@0	77.356	78.428
80MHz_30kHz_3840MHz_CP-OFDM 64 QAM_RB217@0	77.404	78.554
80MHz_30kHz_3840MHz_CP-OFDM QPSK_RB217@0	77.357	78.547
80MHz_30kHz_3840MHz_DFT-s-OFDM 16 QAM_RB216@0	76.930	78.133
80MHz_30kHz_3840MHz_DFT-s-OFDM 256 QAM_RB216@0	77.015	78.052
80MHz_30kHz_3840MHz_DFT-s-OFDM 64 QAM_RB216@0	77.038	78.232
80MHz_30kHz_3840MHz_DFT-s-OFDM PI/2 BPSK_RB216@0	77.125	78.15
80MHz_30kHz_3840MHz_DFT-s-OFDM QPSK_RB216@0	76.972	78.094
80MHz_30kHz_3940MHz_CP-OFDM 16 QAM_RB217@0	77.392	78.623
80MHz_30kHz_3940MHz_CP-OFDM 256 QAM_RB217@0	77.354	78.431
80MHz_30kHz_3940MHz_CP-OFDM 64 QAM_RB217@0	77.401	78.591
80MHz_30kHz_3940MHz_CP-OFDM QPSK_RB217@0	77.341	78.484
80MHz_30kHz_3940MHz_DFT-s-OFDM 16 QAM_RB216@0	76.967	78.101
80MHz_30kHz_3940MHz_DFT-s-OFDM 256 QAM_RB216@0	77.017	78.174
80MHz_30kHz_3940MHz_DFT-s-OFDM 64 QAM_RB216@0	77.031	78.195
80MHz_30kHz_3940MHz_DFT-s-OFDM PI/2 BPSK_RB216@0	77.036	78.138
80MHz_30kHz_3940MHz_DFT-s-OFDM QPSK_RB216@0	76.969	78.116
90MHz_30kHz_3745MHz_CP-OFDM 16 QAM_RB245@0	87.323	88.589
90MHz_30kHz_3745MHz_CP-OFDM 256 QAM_RB245@0	87.247	88.637
90MHz_30kHz_3745MHz_CP-OFDM 64 QAM_RB245@0	87.300	88.575
90MHz_30kHz_3745MHz_CP-OFDM QPSK_RB245@0	87.315	88.587
90MHz_30kHz_3745MHz_DFT-s-OFDM 16 QAM_RB243@0	86.776	87.848
90MHz_30kHz_3745MHz_DFT-s-OFDM 256 QAM_RB243@0	86.646	87.766
90MHz_30kHz_3745MHz_DFT-s-OFDM 64 QAM_RB243@0	86.646	87.844
90MHz_30kHz_3745MHz_DFT-s-OFDM PI/2 BPSK_RB243@0	86.609	87.826
90MHz_30kHz_3745MHz_DFT-s-OFDM QPSK_RB243@0	86.658	87.846
90MHz_30kHz_3840MHz_CP-OFDM 16 QAM_RB245@0	87.321	88.594
90MHz_30kHz_3840MHz_CP-OFDM 256 QAM_RB245@0	87.324	88.504
90MHz_30kHz_3840MHz_CP-OFDM 64 QAM_RB245@0	87.386	88.583
90MHz_30kHz_3840MHz_CP-OFDM QPSK_RB245@0	87.372	88.607
90MHz_30kHz_3840MHz_DFT-s-OFDM 16 QAM_RB243@0	86.828	87.827



Mode	99% OBW (MHz)	EBW (MHz)
90MHz_30kHz_3840MHz_DFT-s-OFDM 256 QAM_RB243@0	86.645	87.811
90MHz_30kHz_3840MHz_DFT-s-OFDM 64 QAM_RB243@0	86.658	87.899
90MHz_30kHz_3840MHz_DFT-s-OFDM PI/2 BPSK_RB243@0	86.702	87.882
90MHz_30kHz_3840MHz_DFT-s-OFDM QPSK_RB243@0	86.645	87.751
90MHz_30kHz_3935MHz_CP-OFDM 16 QAM_RB245@0	87.363	88.578
90MHz_30kHz_3935MHz_CP-OFDM 256 QAM_RB245@0	87.376	88.591
90MHz_30kHz_3935MHz_CP-OFDM 64 QAM_RB245@0	87.429	88.545
90MHz_30kHz_3935MHz_CP-OFDM QPSK_RB245@0	87.381	88.701
90MHz_30kHz_3935MHz_DFT-s-OFDM 16 QAM_RB243@0	86.546	87.862
90MHz_30kHz_3935MHz_DFT-s-OFDM 256 QAM_RB243@0	86.549	87.893
90MHz_30kHz_3935MHz_DFT-s-OFDM 64 QAM_RB243@0	86.583	87.88
90MHz_30kHz_3935MHz_DFT-s-OFDM PI/2 BPSK_RB243@0	86.786	87.84
90MHz_30kHz_3935MHz_DFT-s-OFDM QPSK_RB243@0	86.585	87.849
100MHz_30kHz_3750MHz_CP-OFDM 16 QAM_RB273@0	97.321	98.725
100MHz_30kHz_3750MHz_CP-OFDM 256 QAM_RB273@0	97.258	98.693
100MHz_30kHz_3750MHz_CP-OFDM 64 QAM_RB273@0	97.271	98.588
100MHz_30kHz_3750MHz_CP-OFDM QPSK_RB273@0	97.278	98.718
100MHz_30kHz_3750MHz_DFT-s-OFDM 16 QAM_RB270@0	96.687	97.587
100MHz_30kHz_3750MHz_DFT-s-OFDM 256 QAM_RB270@0	96.516	97.524
100MHz_30kHz_3750MHz_DFT-s-OFDM 64 QAM_RB270@0	96.517	97.591
100MHz_30kHz_3750MHz_DFT-s-OFDM PI/2 BPSK_RB270@0	96.648	97.53
100MHz_30kHz_3750MHz_DFT-s-OFDM QPSK_RB270@0	96.408	97.552
100MHz_30kHz_3840MHz_CP-OFDM 16 QAM_RB273@0	97.320	98.66
100MHz_30kHz_3840MHz_CP-OFDM 256 QAM_RB273@0	97.320	98.716
100MHz_30kHz_3840MHz_CP-OFDM 64 QAM_RB273@0	97.341	98.671
100MHz_30kHz_3840MHz_CP-OFDM QPSK_RB273@0	97.372	98.77
100MHz_30kHz_3840MHz_DFT-s-OFDM 16 QAM_RB270@0	96.418	97.604
100MHz_30kHz_3840MHz_DFT-s-OFDM 256 QAM_RB270@0	96.313	97.622
100MHz_30kHz_3840MHz_DFT-s-OFDM 64 QAM_RB270@0	96.298	97.617
100MHz_30kHz_3840MHz_DFT-s-OFDM PI/2 BPSK_RB270@0	96.481	97.617
100MHz_30kHz_3840MHz_DFT-s-OFDM QPSK_RB270@0	96.368	97.562
100MHz_30kHz_3930MHz_CP-OFDM 16 QAM_RB273@0	97.338	98.737
100MHz_30kHz_3930MHz_CP-OFDM 256 QAM_RB273@0	97.322	98.649
100MHz_30kHz_3930MHz_CP-OFDM 64 QAM_RB273@0	97.273	98.624
100MHz_30kHz_3930MHz_CP-OFDM QPSK_RB273@0	97.322	98.699
100MHz_30kHz_3930MHz_DFT-s-OFDM 16 QAM_RB270@0	96.640	97.605
100MHz_30kHz_3930MHz_DFT-s-OFDM 256 QAM_RB270@0	96.185	97.578
100MHz_30kHz_3930MHz_DFT-s-OFDM 64 QAM_RB270@0	96.199	97.606
100MHz_30kHz_3930MHz_DFT-s-OFDM PI/2 BPSK_RB270@0	96.538	97.557



Mode	99% OBW (MHz)	EBW (MHz)
100MHz_30kHz_3930MHz_DFT-s-OFDM QPSK_RB270@0	96.802	97.625

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Mode	99% OBW (MHz)	EBW (MHz)
10MHz_30kHz_3455MHz_CP-OFDM 16 QAM_RB24@0	8.569	8.972
10MHz_30kHz_3455MHz_CP-OFDM 256 QAM_RB24@0	8.573	8.972
10MHz_30kHz_3455MHz_CP-OFDM 64 QAM_RB24@0	8.575	8.976
10MHz_30kHz_3455MHz_CP-OFDM QPSK_RB24@0	8.570	8.99
10MHz_30kHz_3455MHz_DFT-s-OFDM 16 QAM_RB24@0	8.576	9.02
10MHz_30kHz_3455MHz_DFT-s-OFDM 256 QAM_RB24@0	8.567	8.895
10MHz_30kHz_3455MHz_DFT-s-OFDM 64 QAM_RB24@0	8.565	8.956
10MHz_30kHz_3455MHz_DFT-s-OFDM PI/2 BPSK_RB24@0	8.569	8.978
10MHz_30kHz_3455MHz_DFT-s-OFDM QPSK_RB24@0	8.576	8.923
10MHz_30kHz_3500MHz_CP-OFDM 16 QAM_RB24@0	8.571	8.975
10MHz_30kHz_3500MHz_CP-OFDM 256 QAM_RB24@0	8.569	8.95
10MHz_30kHz_3500MHz_CP-OFDM 64 QAM_RB24@0	8.567	8.991
10MHz_30kHz_3500MHz_CP-OFDM QPSK_RB24@0	8.566	8.995
10MHz_30kHz_3500MHz_DFT-s-OFDM 16 QAM_RB24@0	8.564	8.972
10MHz_30kHz_3500MHz_DFT-s-OFDM 256 QAM_RB24@0	8.571	8.997
10MHz_30kHz_3500MHz_DFT-s-OFDM 64 QAM_RB24@0	8.575	9.008
10MHz_30kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB24@0	8.537	8.944
10MHz_30kHz_3500MHz_DFT-s-OFDM QPSK_RB24@0	8.565	8.962
10MHz_30kHz_3545MHz_CP-OFDM 16 QAM_RB24@0	8.570	9.008
10MHz_30kHz_3545MHz_CP-OFDM 256 QAM_RB24@0	8.574	8.984
10MHz_30kHz_3545MHz_CP-OFDM 64 QAM_RB24@0	8.576	9.042
10MHz_30kHz_3545MHz_CP-OFDM QPSK_RB24@0	8.568	8.992
10MHz_30kHz_3545MHz_DFT-s-OFDM 16 QAM_RB24@0	8.572	8.93
10MHz_30kHz_3545MHz_DFT-s-OFDM 256 QAM_RB24@0	8.577	8.986
10MHz_30kHz_3545MHz_DFT-s-OFDM 64 QAM_RB24@0	8.565	8.916
10MHz_30kHz_3545MHz_DFT-s-OFDM PI/2 BPSK_RB24@0	8.569	8.965
10MHz_30kHz_3545MHz_DFT-s-OFDM QPSK_RB24@0	8.576	8.902
15MHz_30kHz_3457.5MHz_CP-OFDM 16 QAM_RB38@0	13.562	13.969
15MHz_30kHz_3457.5MHz_CP-OFDM 256 QAM_RB38@0	13.570	14.005
15MHz_30kHz_3457.5MHz_CP-OFDM 64 QAM_RB38@0	13.569	13.984
15MHz_30kHz_3457.5MHz_CP-OFDM QPSK_RB38@0	13.571	14.021
15MHz_30kHz_3457.5MHz_DFT-s-OFDM 16 QAM_RB36@0	13.460	13.25
15MHz_30kHz_3457.5MHz_DFT-s-OFDM 256 QAM_RB36@0	13.509	13.288
15MHz_30kHz_3457.5MHz_DFT-s-OFDM 64 QAM_RB36@0	13.463	13.252
15MHz_30kHz_3457.5MHz_DFT-s-OFDM PI/2 BPSK_RB36@0	13.510	13.262
15MHz_30kHz_3457.5MHz_DFT-s-OFDM QPSK_RB36@0	13.469	13.233
15MHz_30kHz_3500MHz_CP-OFDM 16 QAM_RB38@0	13.527	14.057

Mode	99% OBW (MHz)	EBW (MHz)
15MHz_30kHz_3500MHz_CP-OFDM 256 QAM_RB38@0	13.571	13.984
15MHz_30kHz_3500MHz_CP-OFDM 64 QAM_RB38@0	13.572	14.019
15MHz_30kHz_3500MHz_CP-OFDM QPSK_RB38@0	13.568	14.025
15MHz_30kHz_3500MHz_DFT-s-OFDM 16 QAM_RB36@0	13.502	13.32
15MHz_30kHz_3500MHz_DFT-s-OFDM 256 QAM_RB36@0	13.453	13.281
15MHz_30kHz_3500MHz_DFT-s-OFDM 64 QAM_RB36@0	13.468	13.34
15MHz_30kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB36@0	13.505	13.298
15MHz_30kHz_3500MHz_DFT-s-OFDM QPSK_RB36@0	13.465	13.305
15MHz_30kHz_3542.5MHz_CP-OFDM 16 QAM_RB38@0	13.573	14.051
15MHz_30kHz_3542.5MHz_CP-OFDM 256 QAM_RB38@0	13.573	13.996
15MHz_30kHz_3542.5MHz_CP-OFDM 64 QAM_RB38@0	13.565	14.009
15MHz_30kHz_3542.5MHz_CP-OFDM QPSK_RB38@0	13.571	14.04
15MHz_30kHz_3542.5MHz_DFT-s-OFDM 16 QAM_RB36@0	13.451	13.308
15MHz_30kHz_3542.5MHz_DFT-s-OFDM 256 QAM_RB36@0	13.502	13.231
15MHz_30kHz_3542.5MHz_DFT-s-OFDM 64 QAM_RB36@0	13.466	13.356
15MHz_30kHz_3542.5MHz_DFT-s-OFDM PI/2 BPSK_RB36@0	13.462	13.338
15MHz_30kHz_3542.5MHz_DFT-s-OFDM QPSK_RB36@0	13.509	13.386
25MHz_30kHz_3462.5MHz_CP-OFDM 16 QAM_RB65@0	23.204	23.728
25MHz_30kHz_3462.5MHz_CP-OFDM 256 QAM_RB65@0	23.164	23.682
25MHz_30kHz_3462.5MHz_CP-OFDM 64 QAM_RB65@0	23.161	23.765
25MHz_30kHz_3462.5MHz_CP-OFDM QPSK_RB65@0	23.169	23.758
25MHz_30kHz_3462.5MHz_DFT-s-OFDM 16 QAM_RB64@0	22.974	23.4
25MHz_30kHz_3462.5MHz_DFT-s-OFDM 256 QAM_RB64@0	22.904	23.402
25MHz_30kHz_3462.5MHz_DFT-s-OFDM 64 QAM_RB64@0	23.012	23.425
25MHz_30kHz_3462.5MHz_DFT-s-OFDM PI/2 BPSK_RB64@0	23.011	23.431
25MHz_30kHz_3462.5MHz_DFT-s-OFDM QPSK_RB64@0	23.017	23.416
25MHz_30kHz_3500MHz_CP-OFDM 16 QAM_RB65@0	23.201	23.727
25MHz_30kHz_3500MHz_CP-OFDM 256 QAM_RB65@0	23.174	23.773
25MHz_30kHz_3500MHz_CP-OFDM 64 QAM_RB65@0	23.173	23.682
25MHz_30kHz_3500MHz_CP-OFDM QPSK_RB65@0	23.204	23.768
25MHz_30kHz_3500MHz_DFT-s-OFDM 16 QAM_RB64@0	23.012	23.404
25MHz_30kHz_3500MHz_DFT-s-OFDM 256 QAM_RB64@0	23.072	23.402
25MHz_30kHz_3500MHz_DFT-s-OFDM 64 QAM_RB64@0	23.010	23.386
25MHz_30kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB64@0	23.017	23.421
25MHz_30kHz_3500MHz_DFT-s-OFDM QPSK_RB64@0	23.024	23.42
25MHz_30kHz_3537.5MHz_CP-OFDM 16 QAM_RB65@0	23.171	23.809
25MHz_30kHz_3537.5MHz_CP-OFDM 256 QAM_RB65@0	23.165	23.681
25MHz_30kHz_3537.5MHz_CP-OFDM 64 QAM_RB65@0	23.163	23.715
25MHz_30kHz_3537.5MHz_CP-OFDM QPSK_RB65@0	23.175	23.783
25MHz_30kHz_3537.5MHz_DFT-s-OFDM 16 QAM_RB64@0	23.009	23.483

Mode	99% OBW (MHz)	EBW (MHz)
25MHz_30kHz_3537.5MHz_DFT-s-OFDM 256 QAM_RB64@0	22.919	23.348
25MHz_30kHz_3537.5MHz_DFT-s-OFDM 64 QAM_RB64@0	23.021	23.407
25MHz_30kHz_3537.5MHz_DFT-s-OFDM PI/2 BPSK_RB64@0	23.061	23.372
25MHz_30kHz_3537.5MHz_DFT-s-OFDM QPSK_RB64@0	23.052	23.375
30MHz_30kHz_3465MHz_CP-OFDM 16 QAM_RB78@0	27.845	28.473
30MHz_30kHz_3465MHz_CP-OFDM 256 QAM_RB78@0	27.853	28.505
30MHz_30kHz_3465MHz_CP-OFDM 64 QAM_RB78@0	27.808	28.456
30MHz_30kHz_3465MHz_CP-OFDM QPSK_RB78@0	27.807	28.515
30MHz_30kHz_3465MHz_DFT-s-OFDM 16 QAM_RB75@0	27.610	27.398
30MHz_30kHz_3465MHz_DFT-s-OFDM 256 QAM_RB75@0	27.550	27.385
30MHz_30kHz_3465MHz_DFT-s-OFDM 64 QAM_RB75@0	27.601	27.419
30MHz_30kHz_3465MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	27.605	27.447
30MHz_30kHz_3465MHz_DFT-s-OFDM QPSK_RB75@0	27.502	27.422
30MHz_30kHz_3500MHz_CP-OFDM 16 QAM_RB78@0	27.846	28.511
30MHz_30kHz_3500MHz_CP-OFDM 256 QAM_RB78@0	27.804	28.498
30MHz_30kHz_3500MHz_CP-OFDM 64 QAM_RB78@0	27.809	28.385
30MHz_30kHz_3500MHz_CP-OFDM QPSK_RB78@0	27.803	28.386
30MHz_30kHz_3500MHz_DFT-s-OFDM 16 QAM_RB75@0	27.629	27.346
30MHz_30kHz_3500MHz_DFT-s-OFDM 256 QAM_RB75@0	27.611	27.39
30MHz_30kHz_3500MHz_DFT-s-OFDM 64 QAM_RB75@0	27.619	27.408
30MHz_30kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	27.687	27.399
30MHz_30kHz_3500MHz_DFT-s-OFDM QPSK_RB75@0	27.668	27.471
30MHz_30kHz_3535MHz_CP-OFDM 16 QAM_RB78@0	27.809	28.504
30MHz_30kHz_3535MHz_CP-OFDM 256 QAM_RB78@0	27.807	28.462
30MHz_30kHz_3535MHz_CP-OFDM 64 QAM_RB78@0	27.804	28.424
30MHz_30kHz_3535MHz_CP-OFDM QPSK_RB78@0	27.805	28.442
30MHz_30kHz_3535MHz_DFT-s-OFDM 16 QAM_RB75@0	27.618	27.412
30MHz_30kHz_3535MHz_DFT-s-OFDM 256 QAM_RB75@0	27.561	27.385
30MHz_30kHz_3535MHz_DFT-s-OFDM 64 QAM_RB75@0	27.612	27.438
30MHz_30kHz_3535MHz_DFT-s-OFDM PI/2 BPSK_RB75@0	27.615	27.447
30MHz_30kHz_3535MHz_DFT-s-OFDM QPSK_RB75@0	27.665	27.39
40MHz_30kHz_3470MHz_CP-OFDM 16 QAM_RB106@0	37.820	38.652
40MHz_30kHz_3470MHz_CP-OFDM 256 QAM_RB106@0	37.771	38.591
40MHz_30kHz_3470MHz_CP-OFDM 64 QAM_RB106@0	37.780	38.583
40MHz_30kHz_3470MHz_CP-OFDM QPSK_RB106@0	37.776	38.636
40MHz_30kHz_3470MHz_DFT-s-OFDM 16 QAM_RB100@0	37.466	36.417
40MHz_30kHz_3470MHz_DFT-s-OFDM 256 QAM_RB100@0	37.396	36.37
40MHz_30kHz_3470MHz_DFT-s-OFDM 64 QAM_RB100@0	37.451	36.372
40MHz_30kHz_3470MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	37.509	36.454
40MHz_30kHz_3470MHz_DFT-s-OFDM QPSK_RB100@0	37.557	36.43
40MHz_30kHz_3500MHz_CP-OFDM 16 QAM_RB106@0	37.816	38.56

Mode	99% OBW (MHz)	EBW (MHz)
40MHz_30kHz_3500MHz_CP-OFDM 256 QAM_RB106@0	37.773	38.552
40MHz_30kHz_3500MHz_CP-OFDM 64 QAM_RB106@0	37.779	38.533
40MHz_30kHz_3500MHz_CP-OFDM QPSK_RB106@0	37.775	38.466
40MHz_30kHz_3500MHz_DFT-s-OFDM 16 QAM_RB100@0	37.499	36.403
40MHz_30kHz_3500MHz_DFT-s-OFDM 256 QAM_RB100@0	37.398	36.438
40MHz_30kHz_3500MHz_DFT-s-OFDM 64 QAM_RB100@0	37.460	36.362
40MHz_30kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	37.519	36.393
40MHz_30kHz_3500MHz_DFT-s-OFDM QPSK_RB100@0	37.567	36.478
40MHz_30kHz_3530MHz_CP-OFDM 16 QAM_RB106@0	37.785	38.601
40MHz_30kHz_3530MHz_CP-OFDM 256 QAM_RB106@0	37.775	38.552
40MHz_30kHz_3530MHz_CP-OFDM 64 QAM_RB106@0	37.776	38.483
40MHz_30kHz_3530MHz_CP-OFDM QPSK_RB106@0	37.779	38.736
40MHz_30kHz_3530MHz_DFT-s-OFDM 16 QAM_RB100@0	37.518	36.351
40MHz_30kHz_3530MHz_DFT-s-OFDM 256 QAM_RB100@0	37.500	36.4
40MHz_30kHz_3530MHz_DFT-s-OFDM 64 QAM_RB100@0	37.603	36.443
40MHz_30kHz_3530MHz_DFT-s-OFDM PI/2 BPSK_RB100@0	37.561	36.321
40MHz_30kHz_3530MHz_DFT-s-OFDM QPSK_RB100@0	37.517	36.395
50MHz_30kHz_3475MHz_CP-OFDM 16 QAM_RB133@0	47.454	48.322
50MHz_30kHz_3475MHz_CP-OFDM 256 QAM_RB133@0	47.408	48.295
50MHz_30kHz_3475MHz_CP-OFDM 64 QAM_RB133@0	47.406	48.263
50MHz_30kHz_3475MHz_CP-OFDM QPSK_RB133@0	47.414	48.283
50MHz_30kHz_3475MHz_DFT-s-OFDM 16 QAM_RB128@0	47.007	46.392
50MHz_30kHz_3475MHz_DFT-s-OFDM 256 QAM_RB128@0	46.973	46.465
50MHz_30kHz_3475MHz_DFT-s-OFDM 64 QAM_RB128@0	46.873	46.426
50MHz_30kHz_3475MHz_DFT-s-OFDM PI/2 BPSK_RB128@0	46.957	46.409
50MHz_30kHz_3475MHz_DFT-s-OFDM QPSK_RB128@0	47.016	46.398
50MHz_30kHz_3500MHz_CP-OFDM 16 QAM_RB133@0	47.424	48.287
50MHz_30kHz_3500MHz_CP-OFDM 256 QAM_RB133@0	47.408	48.313
50MHz_30kHz_3500MHz_CP-OFDM 64 QAM_RB133@0	47.409	48.324
50MHz_30kHz_3500MHz_CP-OFDM QPSK_RB133@0	47.413	48.191
50MHz_30kHz_3500MHz_DFT-s-OFDM 16 QAM_RB128@0	47.065	46.452
50MHz_30kHz_3500MHz_DFT-s-OFDM 256 QAM_RB128@0	47.053	46.481
50MHz_30kHz_3500MHz_DFT-s-OFDM 64 QAM_RB128@0	47.166	46.481
50MHz_30kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB128@0	47.060	46.419
50MHz_30kHz_3500MHz_DFT-s-OFDM QPSK_RB128@0	47.152	46.372
50MHz_30kHz_3525MHz_CP-OFDM 16 QAM_RB133@0	47.455	48.365
50MHz_30kHz_3525MHz_CP-OFDM 256 QAM_RB133@0	47.411	48.292
50MHz_30kHz_3525MHz_CP-OFDM 64 QAM_RB133@0	47.415	48.353
50MHz_30kHz_3525MHz_CP-OFDM QPSK_RB133@0	47.421	48.267
50MHz_30kHz_3525MHz_DFT-s-OFDM 16 QAM_RB128@0	47.111	46.414
50MHz_30kHz_3525MHz_DFT-s-OFDM 256 QAM_RB128@0	47.072	46.503

Mode	99% OBW (MHz)	EBW (MHz)
50MHz_30kHz_3525MHz_DFT-s-OFDM 64 QAM_RB128@0	46.965	46.365
50MHz_30kHz_3525MHz_DFT-s-OFDM PI/2 BPSK_RB128@0	47.160	46.37
50MHz_30kHz_3525MHz_DFT-s-OFDM QPSK_RB128@0	47.073	46.365
60MHz_30kHz_3480MHz_CP-OFDM 16 QAM_RB162@0	57.728	58.667
60MHz_30kHz_3480MHz_CP-OFDM 256 QAM_RB162@0	57.730	58.692
60MHz_30kHz_3480MHz_CP-OFDM 64 QAM_RB162@0	57.686	58.71
60MHz_30kHz_3480MHz_CP-OFDM QPSK_RB162@0	57.722	58.625
60MHz_30kHz_3480MHz_DFT-s-OFDM 16 QAM_RB162@0	57.681	58.673
60MHz_30kHz_3480MHz_DFT-s-OFDM 256 QAM_RB162@0	57.750	58.707
60MHz_30kHz_3480MHz_DFT-s-OFDM 64 QAM_RB162@0	57.686	58.675
60MHz_30kHz_3480MHz_DFT-s-OFDM PI/2 BPSK_RB162@0	57.668	58.677
60MHz_30kHz_3480MHz_DFT-s-OFDM QPSK_RB162@0	57.727	58.666
60MHz_30kHz_3500MHz_CP-OFDM 16 QAM_RB162@0	57.735	58.701
60MHz_30kHz_3500MHz_CP-OFDM 256 QAM_RB162@0	57.722	58.678
60MHz_30kHz_3500MHz_CP-OFDM 64 QAM_RB162@0	57.677	58.615
60MHz_30kHz_3500MHz_CP-OFDM QPSK_RB162@0	57.721	58.676
60MHz_30kHz_3500MHz_DFT-s-OFDM 16 QAM_RB162@0	57.678	58.647
60MHz_30kHz_3500MHz_DFT-s-OFDM 256 QAM_RB162@0	57.750	58.696
60MHz_30kHz_3500MHz_DFT-s-OFDM 64 QAM_RB162@0	57.725	58.664
60MHz_30kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB162@0	57.685	58.61
60MHz_30kHz_3500MHz_DFT-s-OFDM QPSK_RB162@0	57.725	58.685
60MHz_30kHz_3520MHz_CP-OFDM 16 QAM_RB162@0	57.747	58.697
60MHz_30kHz_3520MHz_CP-OFDM 256 QAM_RB162@0	57.782	58.725
60MHz_30kHz_3520MHz_CP-OFDM 64 QAM_RB162@0	57.739	58.723
60MHz_30kHz_3520MHz_CP-OFDM QPSK_RB162@0	57.729	58.648
60MHz_30kHz_3520MHz_DFT-s-OFDM 16 QAM_RB162@0	57.743	58.675
60MHz_30kHz_3520MHz_DFT-s-OFDM 256 QAM_RB162@0	57.740	58.63
60MHz_30kHz_3520MHz_DFT-s-OFDM 64 QAM_RB162@0	57.723	58.735
60MHz_30kHz_3520MHz_DFT-s-OFDM PI/2 BPSK_RB162@0	57.721	58.641
60MHz_30kHz_3520MHz_DFT-s-OFDM QPSK_RB162@0	57.684	58.671
70MHz_30kHz_3485MHz_CP-OFDM 16 QAM_RB189@0	67.329	68.418
70MHz_30kHz_3485MHz_CP-OFDM 256 QAM_RB189@0	67.335	68.435
70MHz_30kHz_3485MHz_CP-OFDM 64 QAM_RB189@0	67.281	68.509
70MHz_30kHz_3485MHz_CP-OFDM QPSK_RB189@0	67.337	68.457
70MHz_30kHz_3485MHz_DFT-s-OFDM 16 QAM_RB180@0	66.714	65.166
70MHz_30kHz_3485MHz_DFT-s-OFDM 256 QAM_RB180@0	66.918	65.177
70MHz_30kHz_3485MHz_DFT-s-OFDM 64 QAM_RB180@0	66.713	65.022
70MHz_30kHz_3485MHz_DFT-s-OFDM PI/2 BPSK_RB180@0	66.876	65.098
70MHz_30kHz_3485MHz_DFT-s-OFDM QPSK_RB180@0	66.748	65.059
70MHz_30kHz_3500MHz_CP-OFDM 16 QAM_RB189@0	67.329	68.43
70MHz_30kHz_3500MHz_CP-OFDM 256 QAM_RB189@0	67.337	68.39



Mode	99% OBW (MHz)	EBW (MHz)
70MHz_30kHz_3500MHz_CP-OFDM 64 QAM_RB189@0	67.320	68.356
70MHz_30kHz_3500MHz_CP-OFDM QPSK_RB189@0	67.337	68.43
70MHz_30kHz_3500MHz_DFT-s-OFDM 16 QAM_RB180@0	66.881	65.118
70MHz_30kHz_3500MHz_DFT-s-OFDM 256 QAM_RB180@0	66.809	65.086
70MHz_30kHz_3500MHz_DFT-s-OFDM 64 QAM_RB180@0	66.770	65.083
70MHz_30kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB180@0	66.877	65.186
70MHz_30kHz_3500MHz_DFT-s-OFDM QPSK_RB180@0	66.812	65.142
70MHz_30kHz_3515MHz_CP-OFDM 16 QAM_RB189@0	67.381	68.445
70MHz_30kHz_3515MHz_CP-OFDM 256 QAM_RB189@0	67.341	68.364
70MHz_30kHz_3515MHz_CP-OFDM 64 QAM_RB189@0	67.284	68.459
70MHz_30kHz_3515MHz_CP-OFDM QPSK_RB189@0	67.380	68.348
70MHz_30kHz_3515MHz_DFT-s-OFDM 16 QAM_RB180@0	66.871	65.102
70MHz_30kHz_3515MHz_DFT-s-OFDM 256 QAM_RB180@0	66.863	65.036
70MHz_30kHz_3515MHz_DFT-s-OFDM 64 QAM_RB180@0	66.821	65.1
70MHz_30kHz_3515MHz_DFT-s-OFDM PI/2 BPSK_RB180@0	66.929	65.17
70MHz_30kHz_3515MHz_DFT-s-OFDM QPSK_RB180@0	66.867	65.136
80MHz_30kHz_3490MHz_CP-OFDM 16 QAM_RB217@0	77.305	78.482
80MHz_30kHz_3490MHz_CP-OFDM 256 QAM_RB217@0	77.334	78.492
80MHz_30kHz_3490MHz_CP-OFDM 64 QAM_RB217@0	77.346	78.532
80MHz_30kHz_3490MHz_CP-OFDM QPSK_RB217@0	77.298	78.553
80MHz_30kHz_3490MHz_DFT-s-OFDM 16 QAM_RB216@0	77.014	78.14
80MHz_30kHz_3490MHz_DFT-s-OFDM 256 QAM_RB216@0	76.982	78.074
80MHz_30kHz_3490MHz_DFT-s-OFDM 64 QAM_RB216@0	76.922	78.129
80MHz_30kHz_3490MHz_DFT-s-OFDM PI/2 BPSK_RB216@0	76.961	78.137
80MHz_30kHz_3490MHz_DFT-s-OFDM QPSK_RB216@0	76.972	78.094
80MHz_30kHz_3500MHz_CP-OFDM 16 QAM_RB217@0	77.301	78.569
80MHz_30kHz_3500MHz_CP-OFDM 256 QAM_RB217@0	77.337	78.528
80MHz_30kHz_3500MHz_CP-OFDM 64 QAM_RB217@0	77.354	78.519
80MHz_30kHz_3500MHz_CP-OFDM QPSK_RB217@0	77.298	78.559
80MHz_30kHz_3500MHz_DFT-s-OFDM 16 QAM_RB216@0	77.014	78.067
80MHz_30kHz_3500MHz_DFT-s-OFDM 256 QAM_RB216@0	76.985	78.111
80MHz_30kHz_3500MHz_DFT-s-OFDM 64 QAM_RB216@0	76.925	78.104
80MHz_30kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB216@0	76.973	78.076
80MHz_30kHz_3500MHz_DFT-s-OFDM QPSK_RB216@0	77.017	78.129
80MHz_30kHz_3510MHz_CP-OFDM 16 QAM_RB217@0	77.343	78.441
80MHz_30kHz_3510MHz_CP-OFDM 256 QAM_RB217@0	77.342	78.596
80MHz_30kHz_3510MHz_CP-OFDM 64 QAM_RB217@0	77.389	78.542
80MHz_30kHz_3510MHz_CP-OFDM QPSK_RB217@0	77.296	78.442
80MHz_30kHz_3510MHz_DFT-s-OFDM 16 QAM_RB216@0	77.022	78.129
80MHz_30kHz_3510MHz_DFT-s-OFDM 256 QAM_RB216@0	76.923	78.093
80MHz_30kHz_3510MHz_DFT-s-OFDM 64 QAM_RB216@0	77.031	78.07



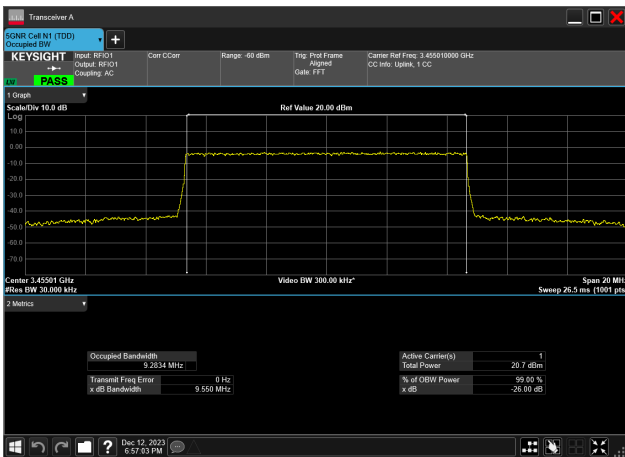
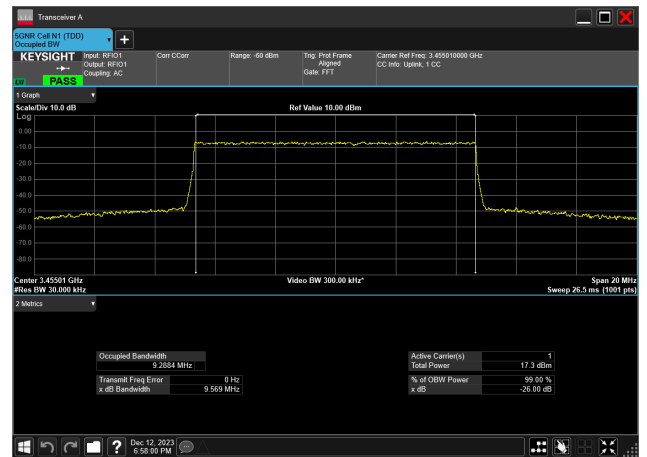
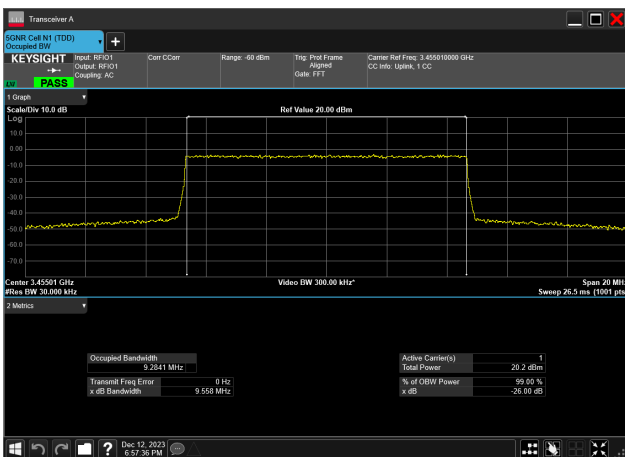
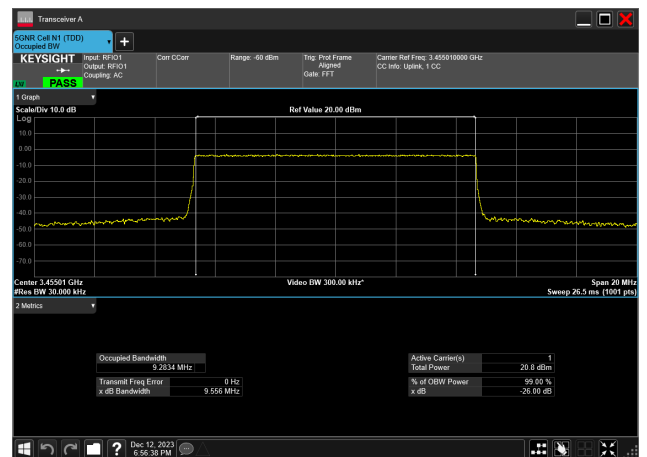
Mode	99% OBW (MHz)	EBW (MHz)
80MHz_30kHz_3510MHz_DFT-s-OFDM PI/2 BPSK_RB216@0	77.038	78.102
80MHz_30kHz_3510MHz_DFT-s-OFDM QPSK_RB216@0	77.030	78.138
90MHz_30kHz_3495MHz_CP-OFDM 16 QAM_RB245@0	87.306	88.677
90MHz_30kHz_3495MHz_CP-OFDM 256 QAM_RB245@0	87.265	88.6
90MHz_30kHz_3495MHz_CP-OFDM 64 QAM_RB245@0	87.262	88.483
90MHz_30kHz_3495MHz_CP-OFDM QPSK_RB245@0	86.655	87.823
90MHz_30kHz_3495MHz_DFT-s-OFDM 16 QAM_RB243@0	86.774	87.83
90MHz_30kHz_3495MHz_DFT-s-OFDM 256 QAM_RB243@0	86.642	87.862
90MHz_30kHz_3495MHz_DFT-s-OFDM 64 QAM_RB243@0	86.606	87.836
90MHz_30kHz_3495MHz_DFT-s-OFDM PI/2 BPSK_RB243@0	86.605	87.824
90MHz_30kHz_3495MHz_DFT-s-OFDM QPSK_RB243@0	86.587	87.811
90MHz_30kHz_3500MHz_CP-OFDM 16 QAM_RB245@0	87.259	88.523
90MHz_30kHz_3500MHz_CP-OFDM 256 QAM_RB245@0	87.262	88.56
90MHz_30kHz_3500MHz_CP-OFDM 64 QAM_RB245@0	87.259	88.509
90MHz_30kHz_3500MHz_CP-OFDM QPSK_RB245@0	87.305	88.567
90MHz_30kHz_3500MHz_DFT-s-OFDM 16 QAM_RB243@0	86.594	87.796
90MHz_30kHz_3500MHz_DFT-s-OFDM 256 QAM_RB243@0	86.532	87.873
90MHz_30kHz_3500MHz_DFT-s-OFDM 64 QAM_RB243@0	86.549	87.795
90MHz_30kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB243@0	86.542	87.867
90MHz_30kHz_3500MHz_DFT-s-OFDM QPSK_RB243@0	86.656	87.885
90MHz_30kHz_3505MHz_CP-OFDM 16 QAM_RB245@0	87.306	88.594
90MHz_30kHz_3505MHz_CP-OFDM 256 QAM_RB245@0	87.317	88.624
90MHz_30kHz_3505MHz_CP-OFDM 64 QAM_RB245@0	87.311	88.6
90MHz_30kHz_3505MHz_CP-OFDM QPSK_RB245@0	87.306	88.555
90MHz_30kHz_3505MHz_DFT-s-OFDM 16 QAM_RB243@0	86.823	87.775
90MHz_30kHz_3505MHz_DFT-s-OFDM 256 QAM_RB243@0	86.656	87.85
90MHz_30kHz_3505MHz_DFT-s-OFDM 64 QAM_RB243@0	86.646	87.838
90MHz_30kHz_3505MHz_DFT-s-OFDM PI/2 BPSK_RB243@0	86.647	87.867
90MHz_30kHz_3505MHz_DFT-s-OFDM QPSK_RB243@0	86.605	87.753
100MHz_30kHz_3500MHz_CP-OFDM 16 QAM_RB273@0	97.264	98.719
100MHz_30kHz_3500MHz_CP-OFDM 256 QAM_RB273@0	97.209	98.779
100MHz_30kHz_3500MHz_CP-OFDM 64 QAM_RB273@0	97.270	98.75
100MHz_30kHz_3500MHz_CP-OFDM QPSK_RB273@0	97.261	98.721
100MHz_30kHz_3500MHz_DFT-s-OFDM 16 QAM_RB270@0	96.403	97.571
100MHz_30kHz_3500MHz_DFT-s-OFDM 256 QAM_RB270@0	96.134	97.547
100MHz_30kHz_3500MHz_DFT-s-OFDM 64 QAM_RB270@0	96.366	97.578
100MHz_30kHz_3500MHz_DFT-s-OFDM PI/2 BPSK_RB270@0	96.410	97.539
100MHz_30kHz_3500MHz_DFT-s-OFDM QPSK_RB270@0	96.350	97.577

n78\_2

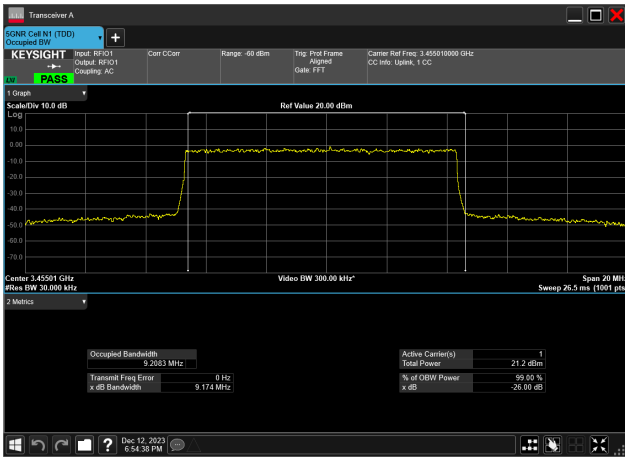
Mode	99% OBW (MHz)	EBW (MHz)
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Mode	99% OBW (MHz)	EBW (MHz)
70MHz_30kHz_3735MHz_CP-OFDM 16 QAM_RB189@0	67.380	68.356
70MHz_30kHz_3735MHz_CP-OFDM 256 QAM_RB189@0	67.381	68.47
70MHz_30kHz_3735MHz_CP-OFDM 64 QAM_RB189@0	67.339	68.337
70MHz_30kHz_3735MHz_CP-OFDM QPSK_RB189@0	67.388	68.479
70MHz_30kHz_3735MHz_DFT-s-OFDM 16 QAM_RB180@0	66.919	65.11
70MHz_30kHz_3735MHz_DFT-s-OFDM 256 QAM_RB180@0	66.858	65.14
70MHz_30kHz_3735MHz_DFT-s-OFDM 64 QAM_RB180@0	66.940	65.122
70MHz_30kHz_3735MHz_DFT-s-OFDM PI/2 BPSK_RB180@0	66.822	65.095
70MHz_30kHz_3735MHz_DFT-s-OFDM QPSK_RB180@0	66.941	65.073
70MHz_30kHz_3750MHz_CP-OFDM 16 QAM_RB189@0	67.399	68.448
70MHz_30kHz_3750MHz_CP-OFDM 256 QAM_RB189@0	67.331	68.453
70MHz_30kHz_3750MHz_CP-OFDM 64 QAM_RB189@0	67.400	68.532
70MHz_30kHz_3750MHz_CP-OFDM QPSK_RB189@0	67.386	68.495
70MHz_30kHz_3750MHz_DFT-s-OFDM 16 QAM_RB180@0	66.981	65.161
70MHz_30kHz_3750MHz_DFT-s-OFDM 256 QAM_RB180@0	66.934	65.143
70MHz_30kHz_3750MHz_DFT-s-OFDM 64 QAM_RB180@0	66.973	65.072
70MHz_30kHz_3750MHz_DFT-s-OFDM PI/2 BPSK_RB180@0	66.874	65.121
70MHz_30kHz_3750MHz_DFT-s-OFDM QPSK_RB180@0	66.879	65.121
70MHz_30kHz_3765MHz_CP-OFDM 16 QAM_RB189@0	67.380	68.432
70MHz_30kHz_3765MHz_CP-OFDM 256 QAM_RB189@0	67.375	68.453
70MHz_30kHz_3765MHz_CP-OFDM 64 QAM_RB189@0	67.375	68.365
70MHz_30kHz_3765MHz_CP-OFDM QPSK_RB189@0	67.380	68.511
70MHz_30kHz_3765MHz_DFT-s-OFDM 16 QAM_RB180@0	66.870	65.113
70MHz_30kHz_3765MHz_DFT-s-OFDM 256 QAM_RB180@0	66.977	65.183
70MHz_30kHz_3765MHz_DFT-s-OFDM 64 QAM_RB180@0	66.985	65.111
70MHz_30kHz_3765MHz_DFT-s-OFDM PI/2 BPSK_RB180@0	66.880	65.086
70MHz_30kHz_3765MHz_DFT-s-OFDM QPSK_RB180@0	66.973	65.119

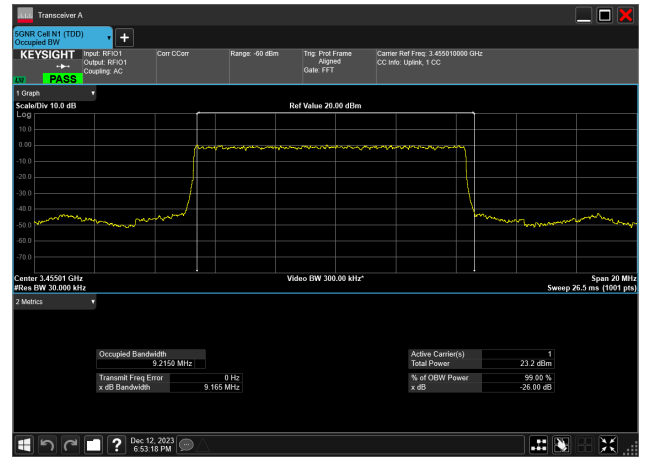
n77\_1

10MHz\_15kHz\_3455MHz\_CP-OFDM 16 QAM\_RB52@0  
9.283 MHz10MHz\_15kHz\_3455MHz\_CP-OFDM 256 QAM\_RB52@0  
9.288 MHz10MHz\_15kHz\_3455MHz\_CP-OFDM 64 QAM\_RB52@0  
9.284 MHz10MHz\_15kHz\_3455MHz\_CP-OFDM QPSK\_RB52@0  
9.283 MHz10MHz\_15kHz\_3455MHz\_DFT-s-OFDM 16 QAM\_RB50@0  
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9.218 MHz

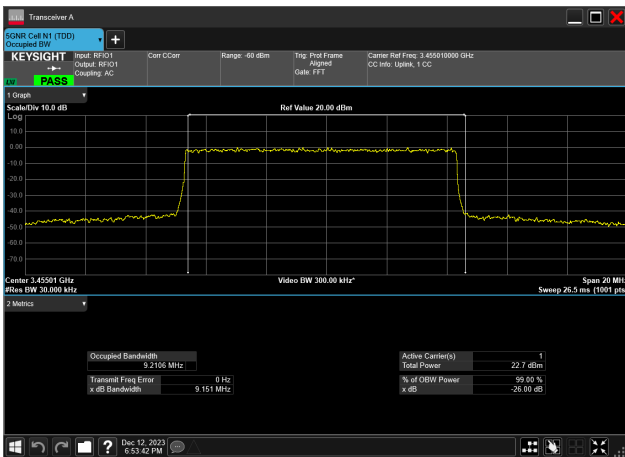
10MHz\_15kHz\_3455MHz\_DFT-s-OFDM 64 QAM\_RB50@0  
9.208 MHz



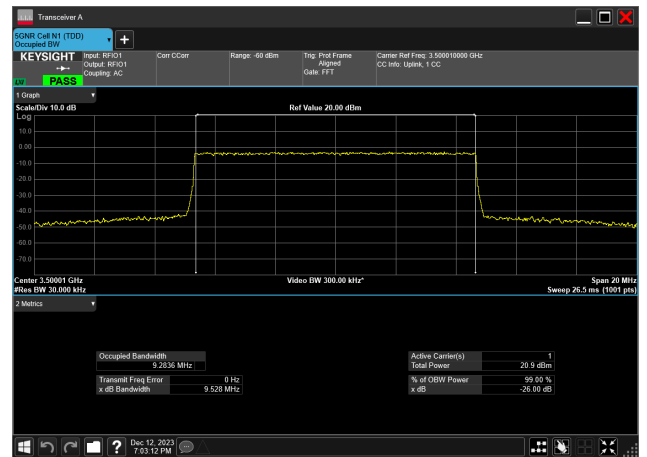
10MHz\_15kHz\_3455MHz\_DFT-s-OFDM PI/2 BPSK\_RB50@0  
9.215 MHz



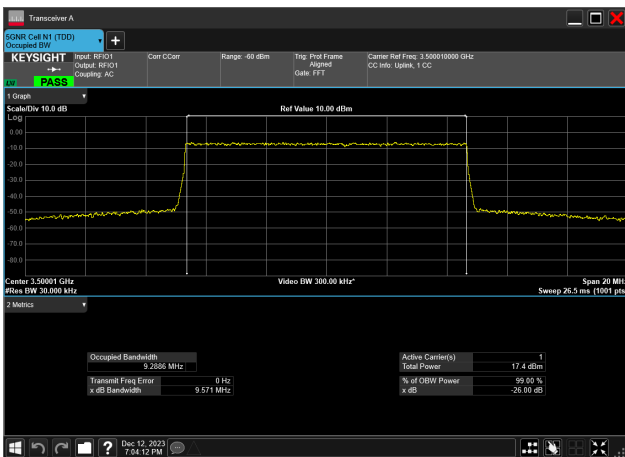
10MHz\_15kHz\_3455MHz\_DFT-s-OFDM QPSK\_RB50@0  
9.211 MHz



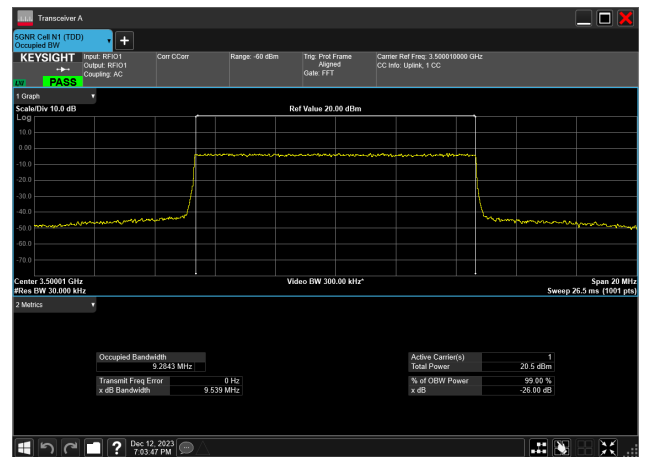
10MHz\_15kHz\_3500MHz\_CP-OFDM 16 QAM\_RB52@0  
9.284 MHz



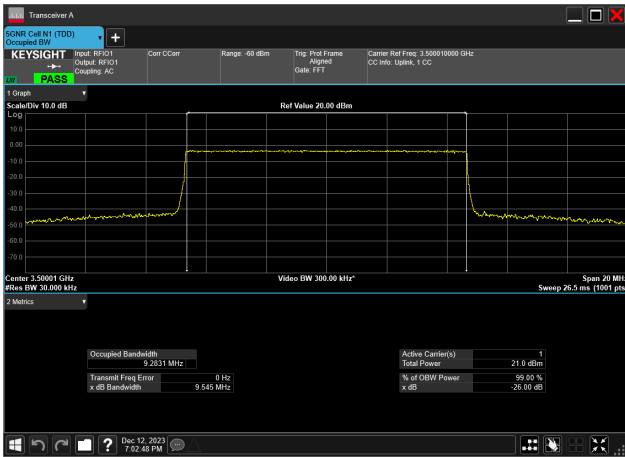
10MHz\_15kHz\_3500MHz\_CP-OFDM 256 QAM\_RB52@0  
9.289 MHz



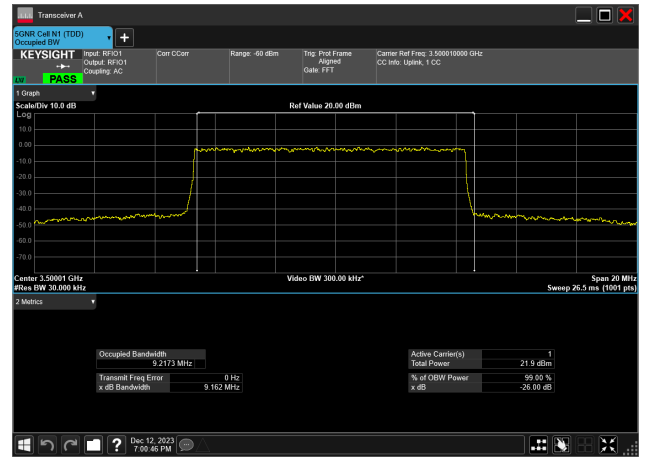
10MHz\_15kHz\_3500MHz\_CP-OFDM 64 QAM\_RB52@0  
9.284 MHz



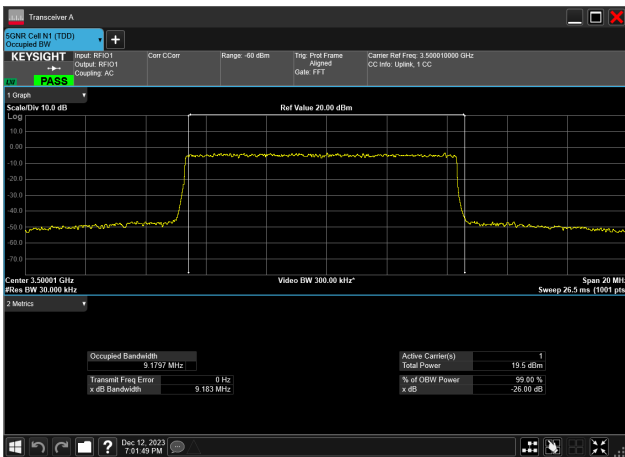
10MHz\_15kHz\_3500MHz\_CP-OFDM QPSK\_RB52@0  
9.283 MHz



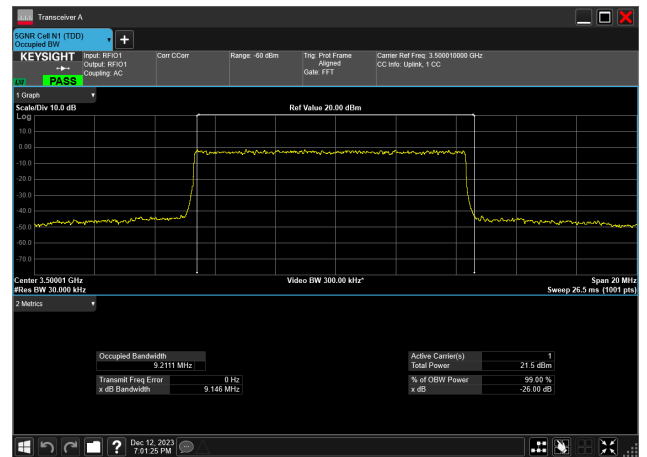
10MHz\_15kHz\_3500MHz\_DFT-s-OFDM 16 QAM\_RB50@0  
9.217 MHz



10MHz\_15kHz\_3500MHz\_DFT-s-OFDM 256 QAM\_RB50@0  
9.180 MHz



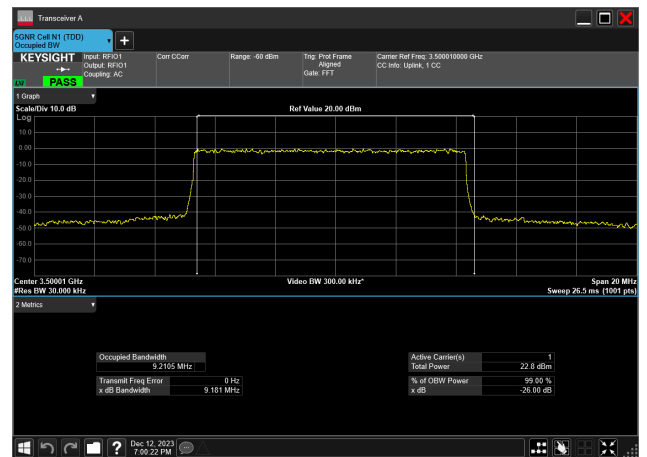
10MHz\_15kHz\_3500MHz\_DFT-s-OFDM 64 QAM\_RB50@0  
9.211 MHz



10MHz\_15kHz\_3500MHz\_DFT-s-OFDM PI/2 BPSK\_RB50@0  
9.210 MHz

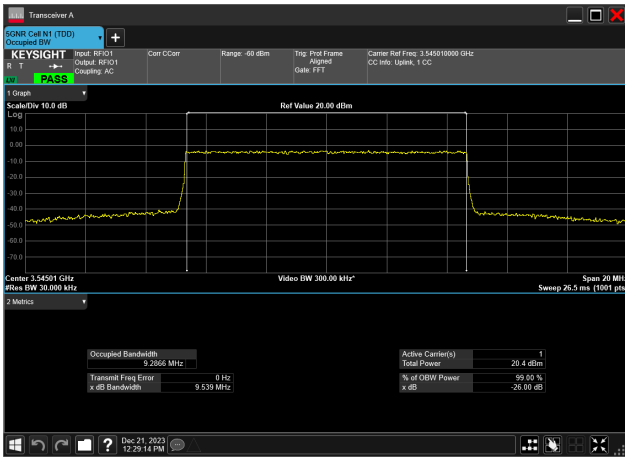


10MHz\_15kHz\_3500MHz\_DFT-s-OFDM QPSK\_RB50@0  
9.211 MHz



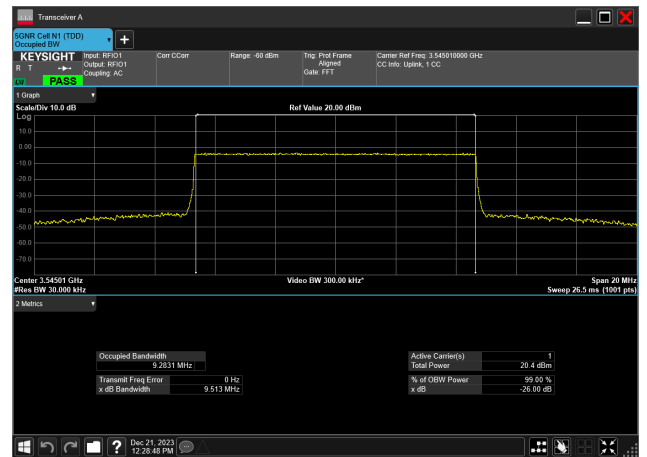
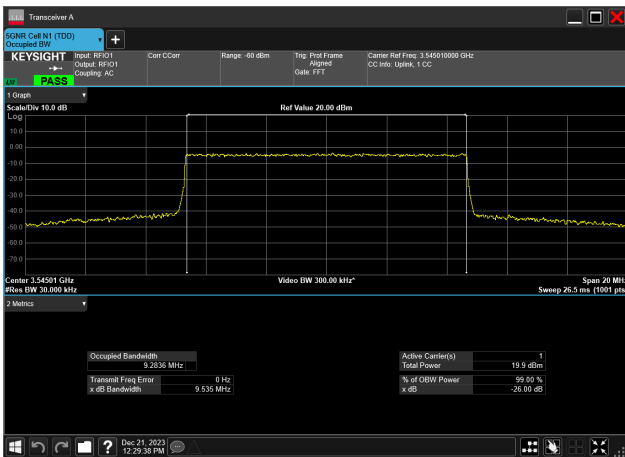
10MHz\_15kHz\_3545MHz\_CP-OFDM 16 QAM\_RB52@0  
9.287 MHz

10MHz\_15kHz\_3545MHz\_CP-OFDM 256 QAM\_RB52@0  
9.287 MHz



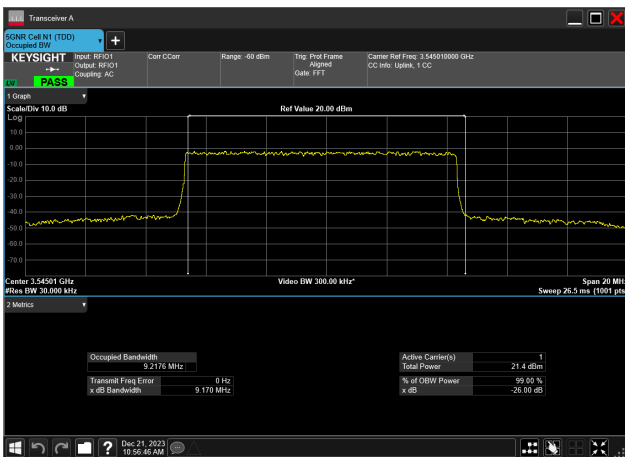
10MHz\_15kHz\_3545MHz\_CP-OFDM 64 QAM\_RB52@0  
9.284 MHz

10MHz\_15kHz\_3545MHz\_CP-OFDM QPSK\_RB52@0  
9.283 MHz



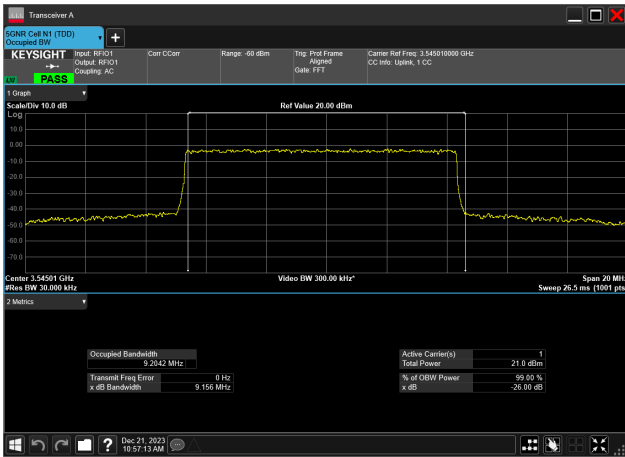
10MHz\_15kHz\_3545MHz\_DFT-s-OFDM 16 QAM\_RB50@0  
9.218 MHz

10MHz\_15kHz\_3545MHz\_DFT-s-OFDM 256 QAM\_RB50@0  
9.208 MHz





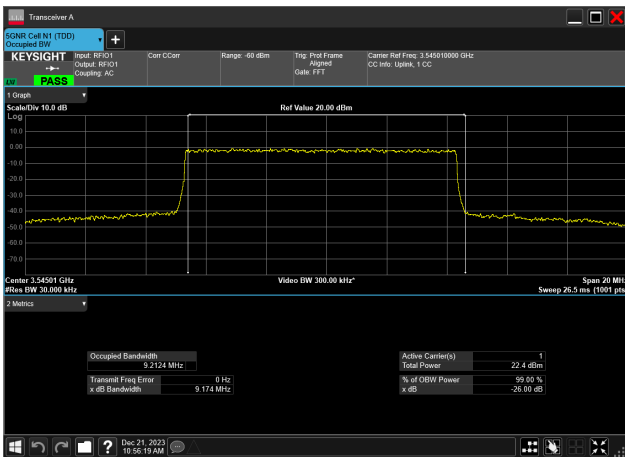
10MHz\_15kHz\_3545MHz\_DFT-s-OFDM 64 QAM\_RB50@  
9.204 MHz



10MHz\_15kHz\_3545MHz\_DFT-s-OFDM PI/2 BPSK\_RB50@  
9.207 MHz



10MHz\_15kHz\_3545MHz\_DFT-s-OFDM QPSK\_RB50@  
9.212 MHz



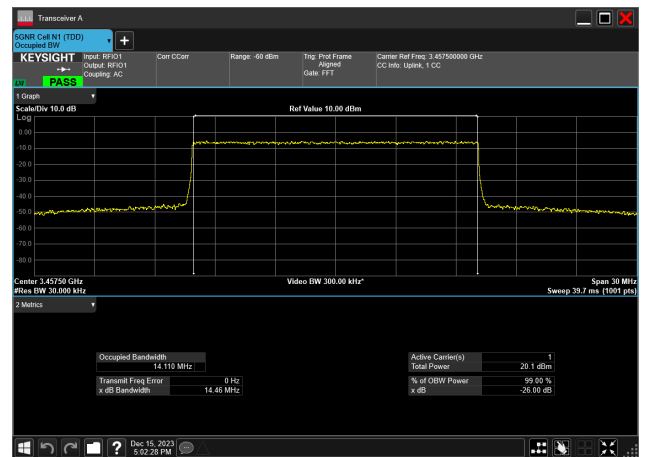
15MHz\_15kHz\_3457.5MHz\_CP-OFDM 16 QAM\_RB79@  
14.110 MHz



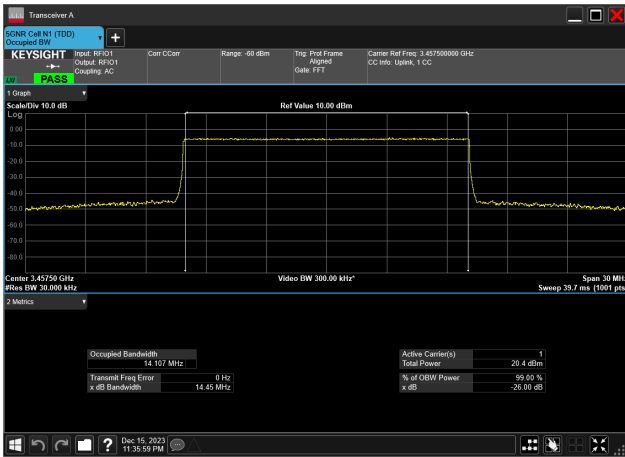
15MHz\_15kHz\_3457.5MHz\_CP-OFDM 256 QAM\_RB79@  
14.104 MHz



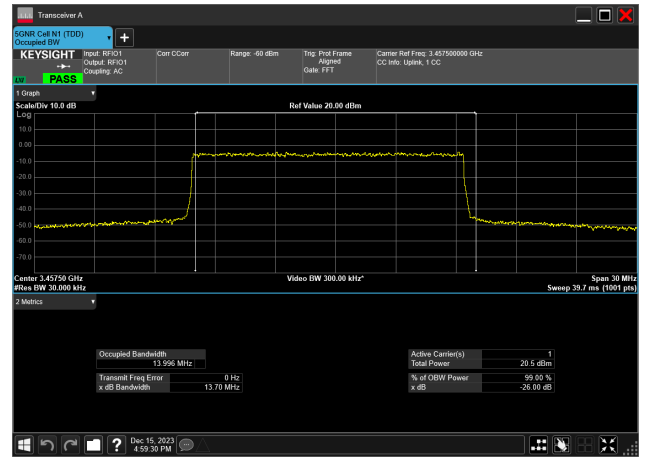
15MHz\_15kHz\_3457.5MHz\_CP-OFDM 64 QAM\_RB79@  
14.110 MHz



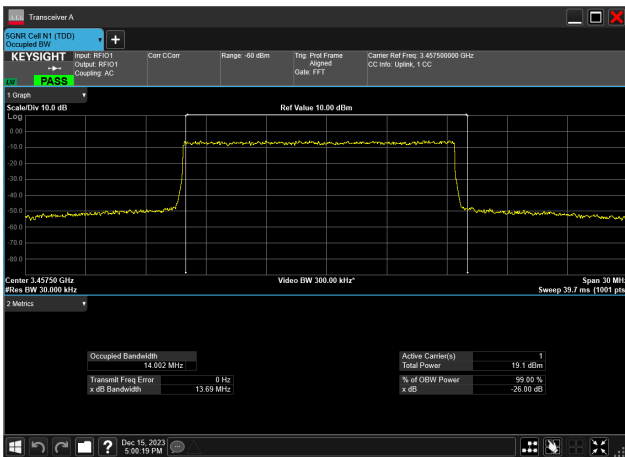
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14.107 MHz



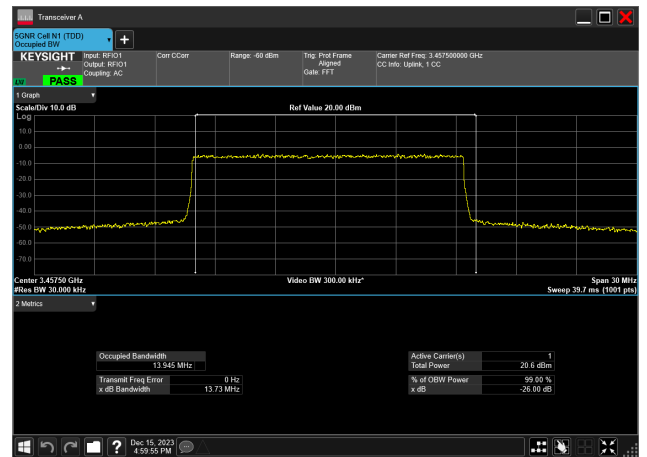
15MHz\_15kHz\_3457.5MHz\_DFT-s-OFDM 16 QAM\_RB75@  
13.996 MHz



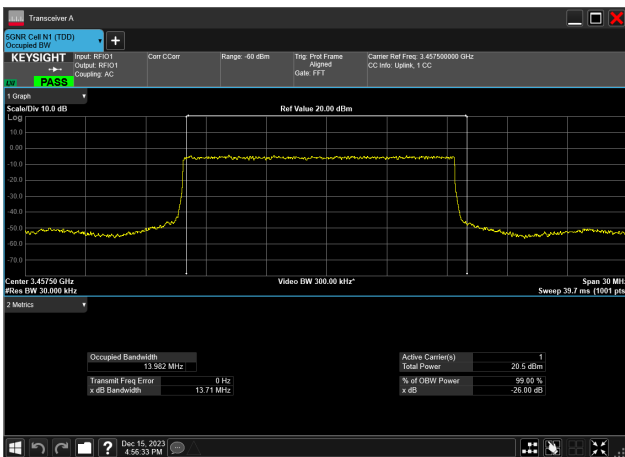
15MHz\_15kHz\_3457.5MHz\_DFT-s-OFDM 256 QAM\_RB75@  
14.002 MHz



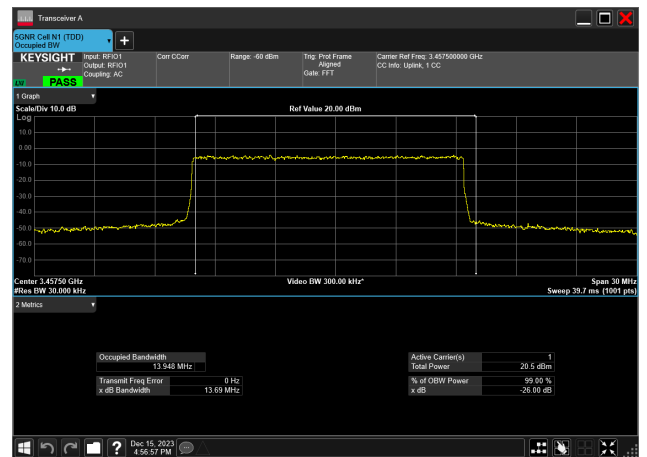
15MHz\_15kHz\_3457.5MHz\_DFT-s-OFDM 64 QAM\_RB75@  
13.945 MHz



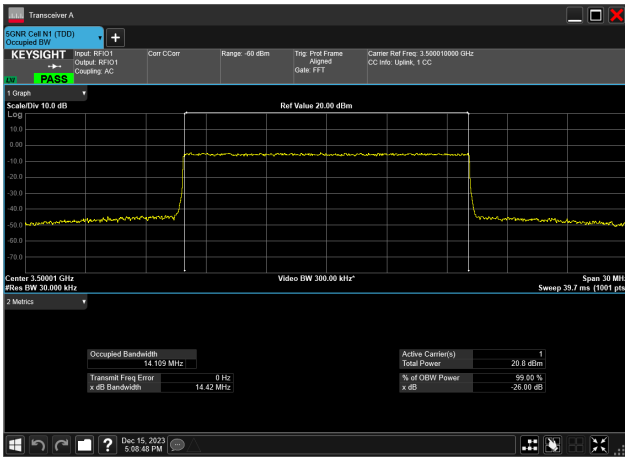
15MHz\_15kHz\_3457.5MHz\_DFT-s-OFDM PI/2 BPSK\_RB75@  
13.982 MHz



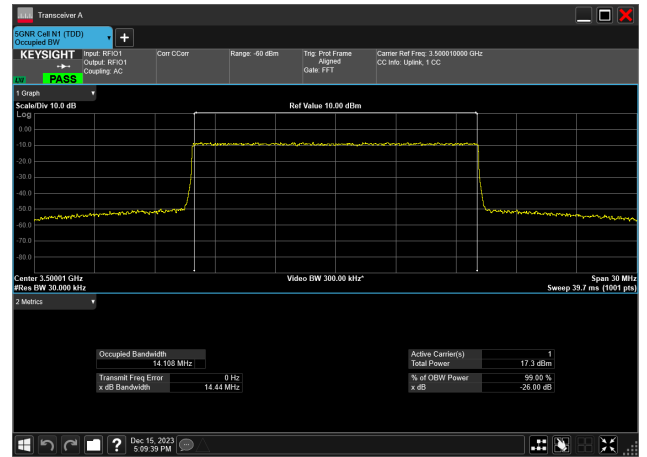
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13.948 MHz



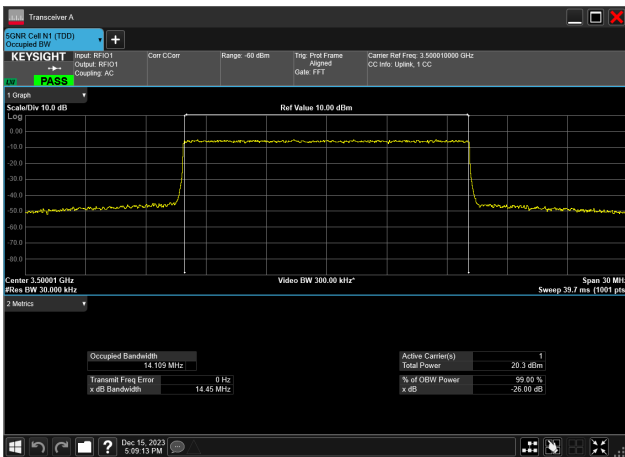
15MHz\_15kHz\_3500MHz\_CP-OFDM 16 QAM\_RB79@  
14.109 MHz



15MHz\_15kHz\_3500MHz\_CP-OFDM 256 QAM\_RB79@  
14.108 MHz



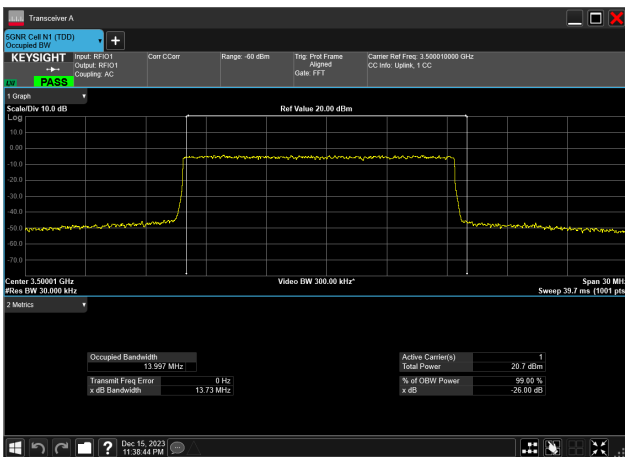
15MHz\_15kHz\_3500MHz\_CP-OFDM 64 QAM\_RB79@  
14.109 MHz



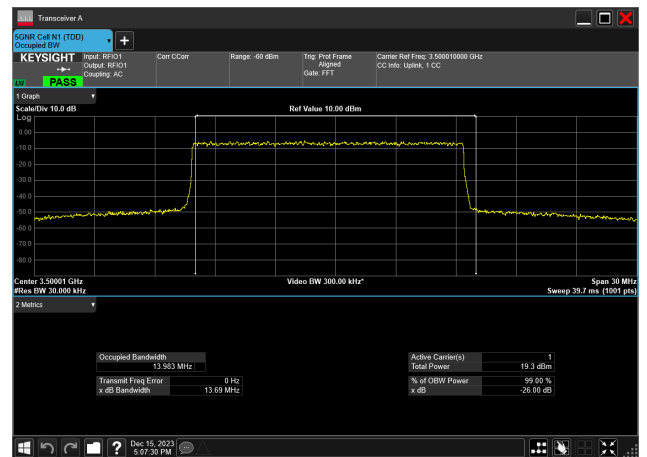
15MHz\_15kHz\_3500MHz\_CP-OFDM QPSK\_RB79@  
14.103 MHz



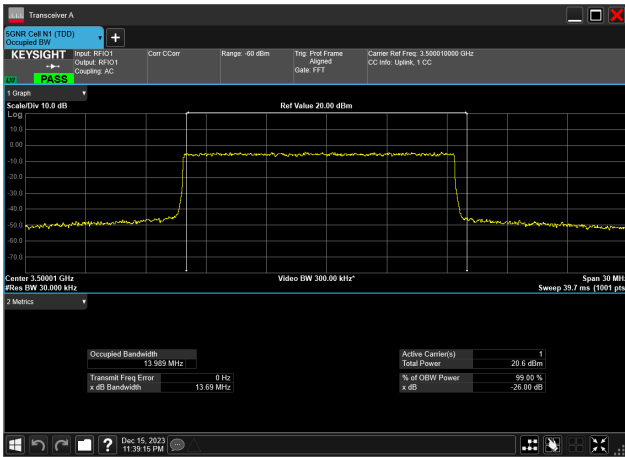
15MHz\_15kHz\_3500MHz\_DFT-s-OFDM 16 QAM\_RB75@  
13.997 MHz



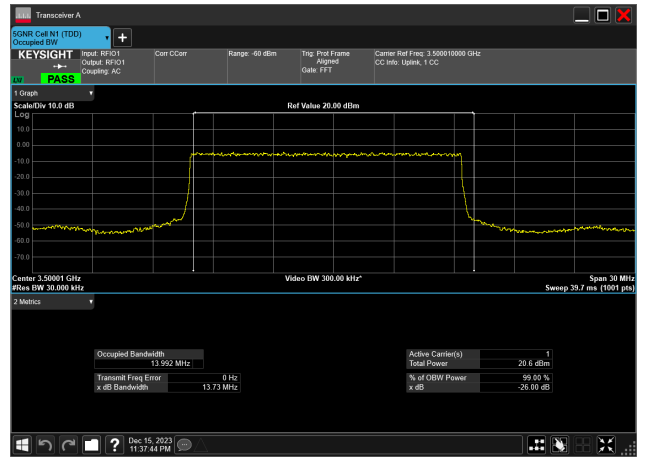
15MHz\_15kHz\_3500MHz\_DFT-s-OFDM 256 QAM\_RB75@  
13.983 MHz



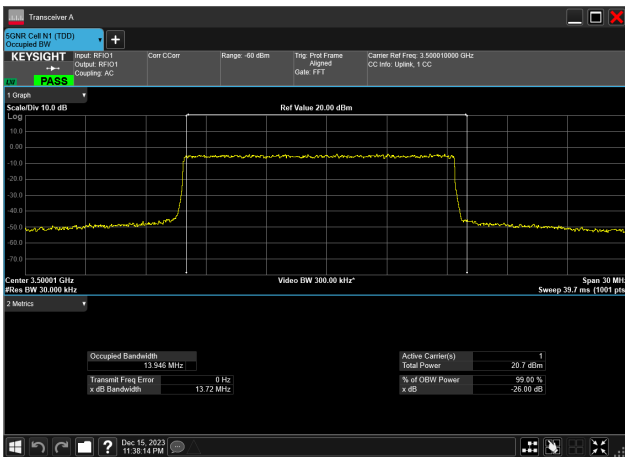
15MHz\_15kHz\_3500MHz\_DFT-s-OFDM 64 QAM\_RB75@0  
13.989 MHz



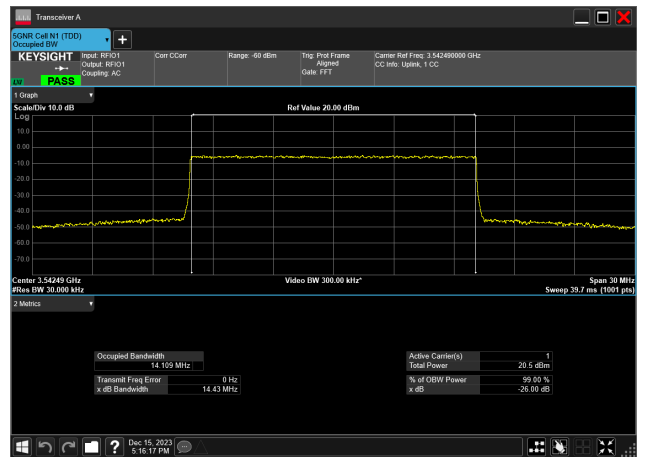
15MHz\_15kHz\_3500MHz\_DFT-s-OFDM PI/2 BPSK\_RB75@0  
13.992 MHz



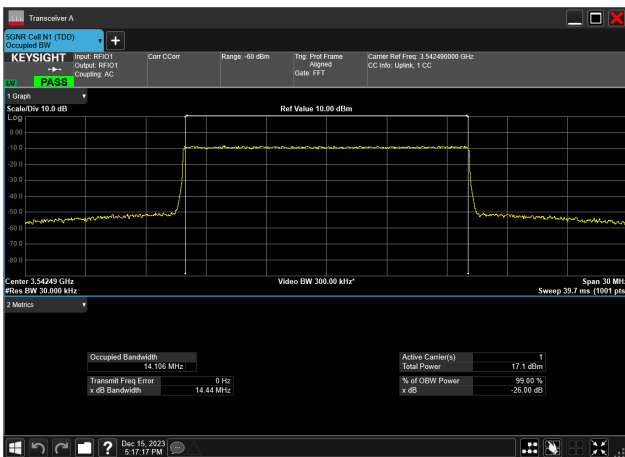
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13.946 MHz



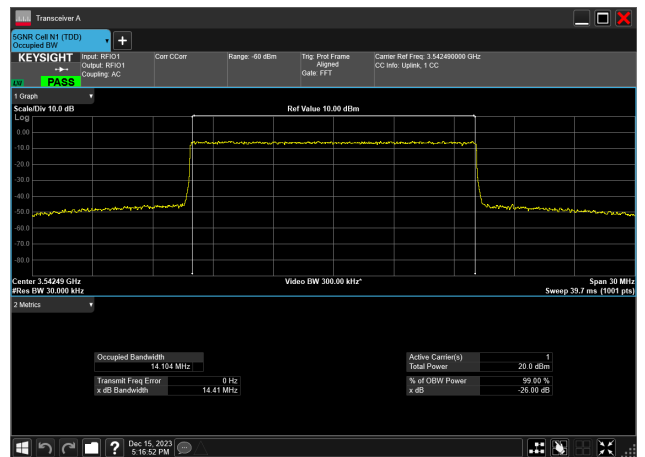
15MHz\_15kHz\_3542.5MHz\_CP-OFDM 16 QAM\_RB79@0  
14.109 MHz



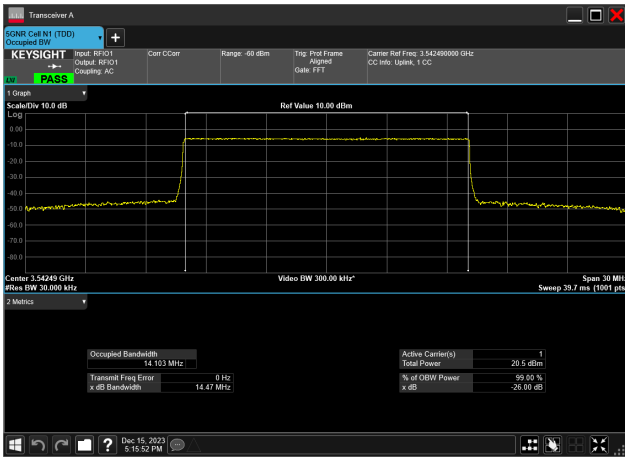
15MHz\_15kHz\_3542.5MHz\_CP-OFDM 256 QAM\_RB79@0  
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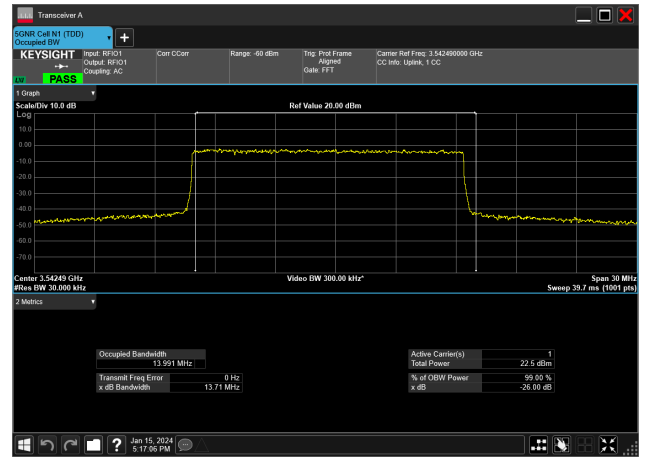
15MHz\_15kHz\_3542.5MHz\_CP-OFDM 64 QAM\_RB79@0  
14.104 MHz



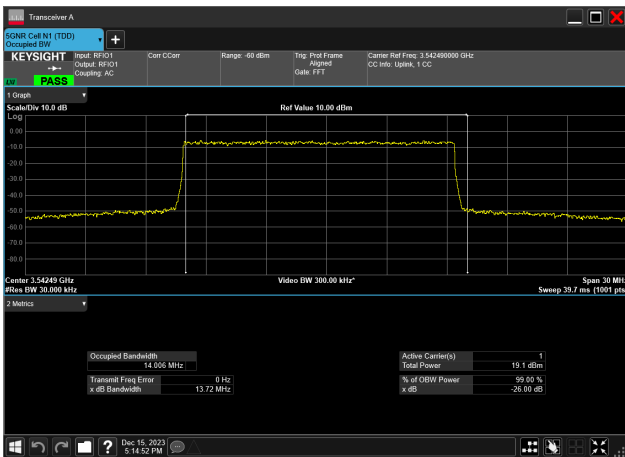
15MHz\_15kHz\_3542.5MHz\_CP-OFDM QPSK\_RB79@  
14.103 MHz



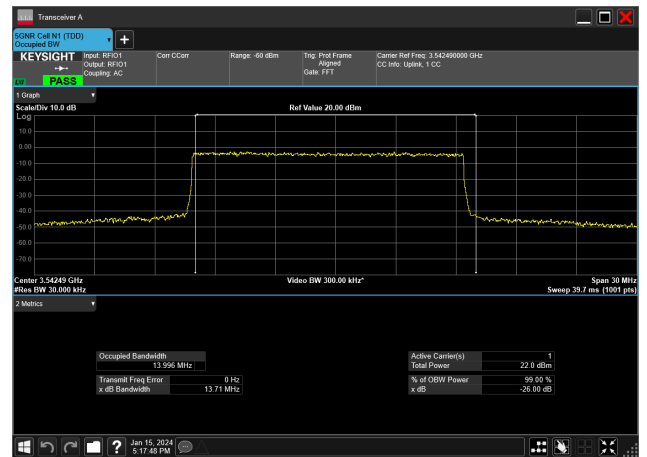
15MHz\_15kHz\_3542.5MHz\_DFT-s-OFDM 16 QAM\_RB75@  
13.991 MHz



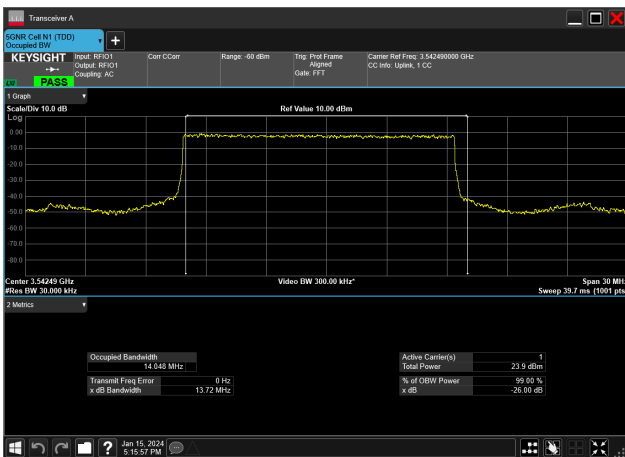
15MHz\_15kHz\_3542.5MHz\_DFT-s-OFDM 256 QAM\_RB75@  
14.006 MHz



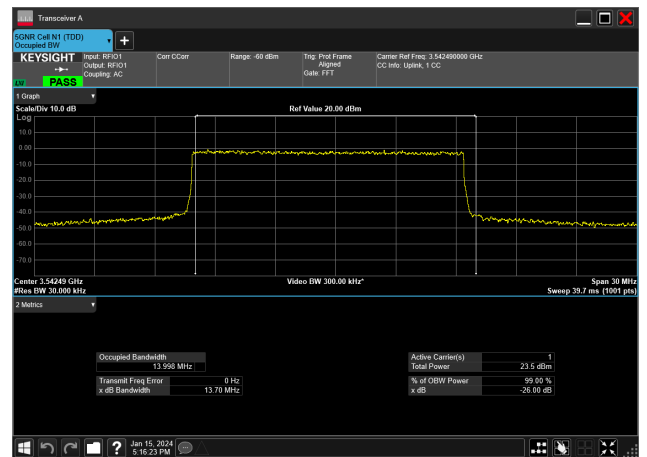
15MHz\_15kHz\_3542.5MHz\_DFT-s-OFDM 64 QAM\_RB75@  
13.996 MHz



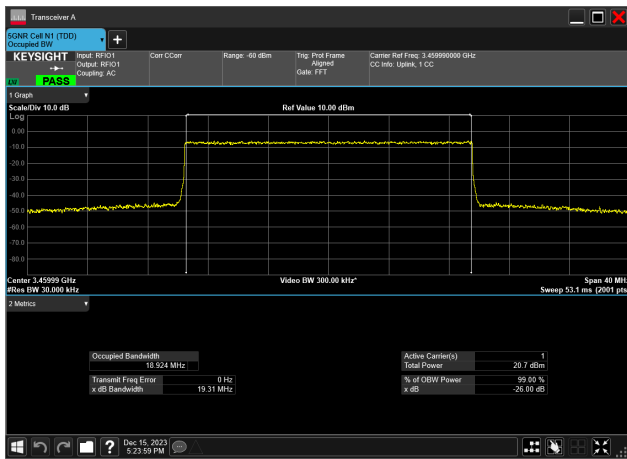
15MHz\_15kHz\_3542.5MHz\_DFT-s-OFDM PI/2 BPSK\_RB75@  
14.048 MHz



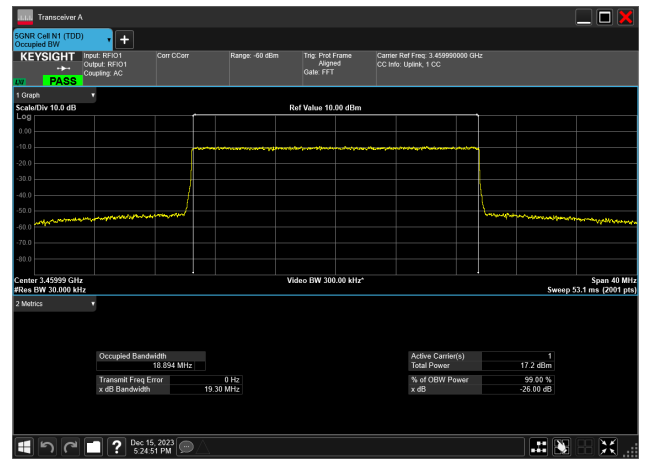
15MHz\_15kHz\_3542.5MHz\_DFT-s-OFDM QPSK\_RB75@  
13.998 MHz



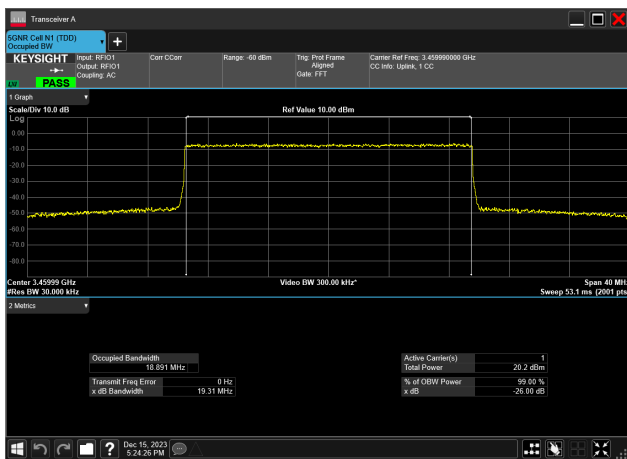
20MHz\_15kHz\_3460MHz\_CP-OFDM 16 QAM\_RB106@0  
18.924 MHz



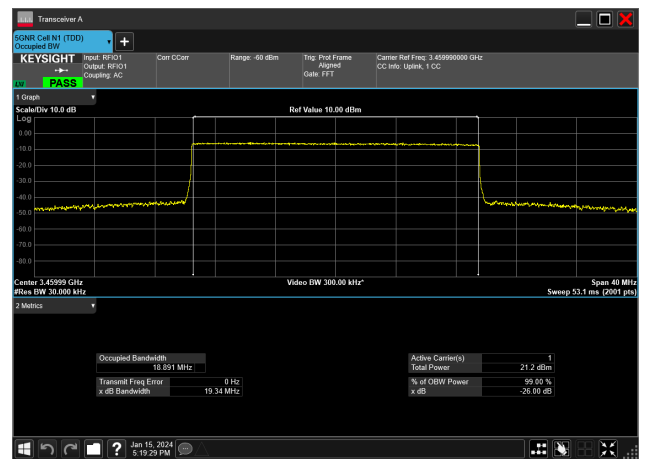
20MHz\_15kHz\_3460MHz\_CP-OFDM 256 QAM\_RB106@0  
18.894 MHz



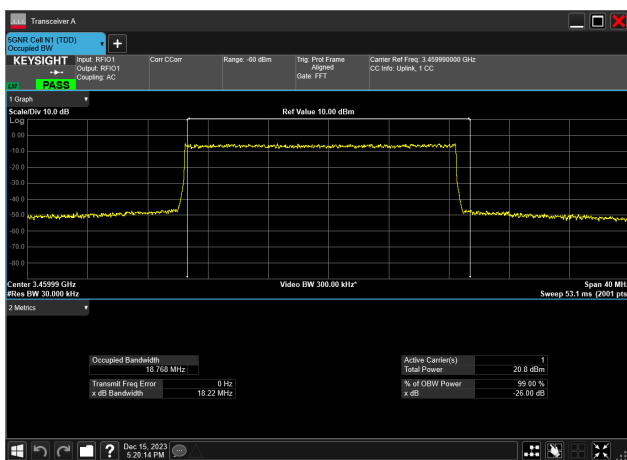
20MHz\_15kHz\_3460MHz\_CP-OFDM 64 QAM\_RB106@0  
18.891 MHz



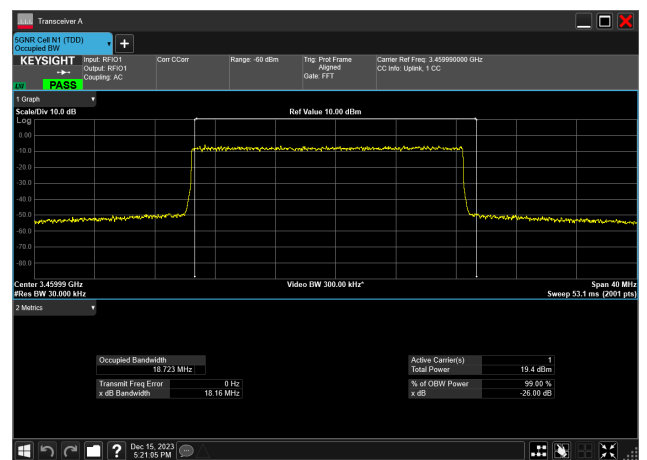
20MHz\_15kHz\_3460MHz\_CP-OFDM QPSK\_RB106@0  
18.891 MHz



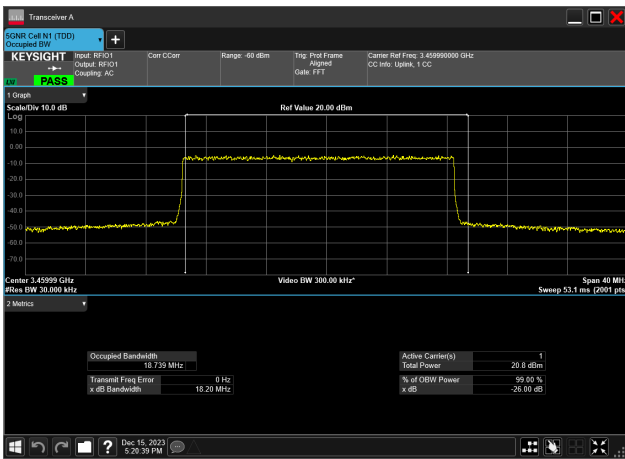
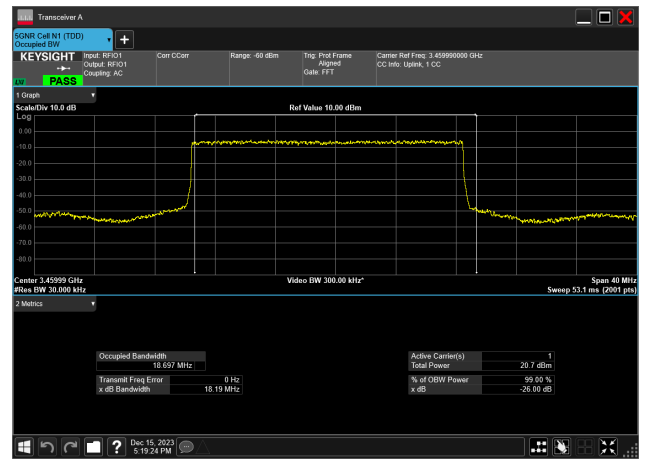
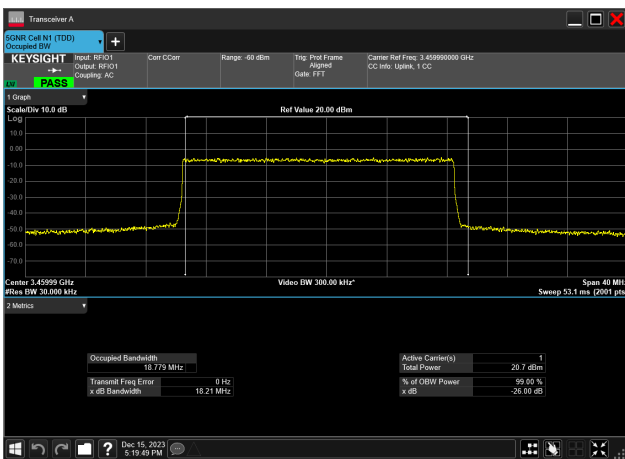
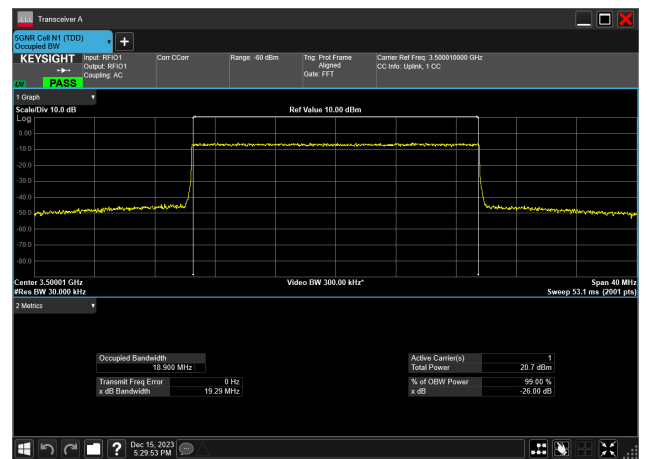
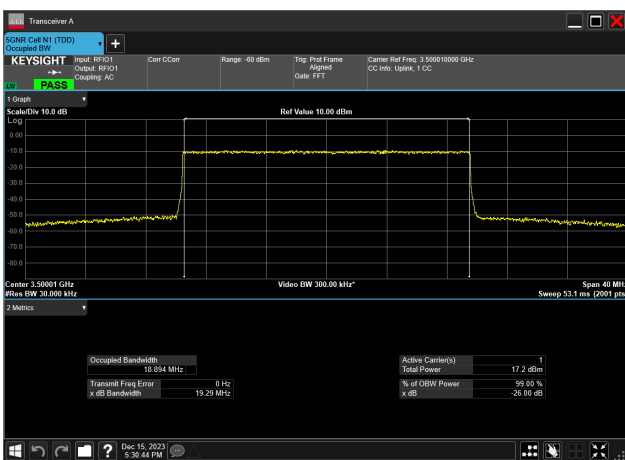
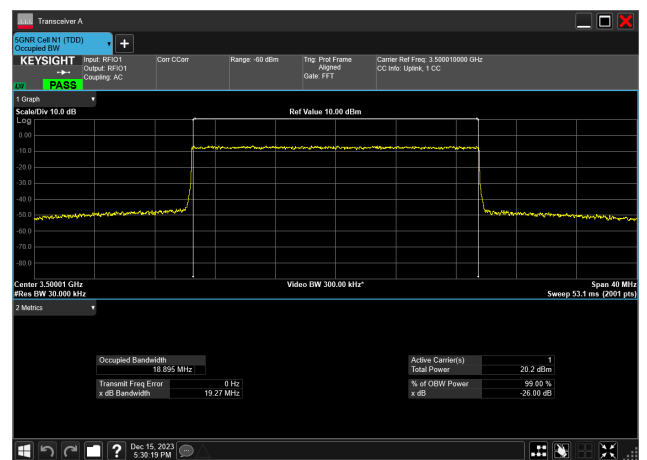
20MHz\_15kHz\_3460MHz\_DFT-s-OFDM 16 QAM\_RB100@0  
18.768 MHz



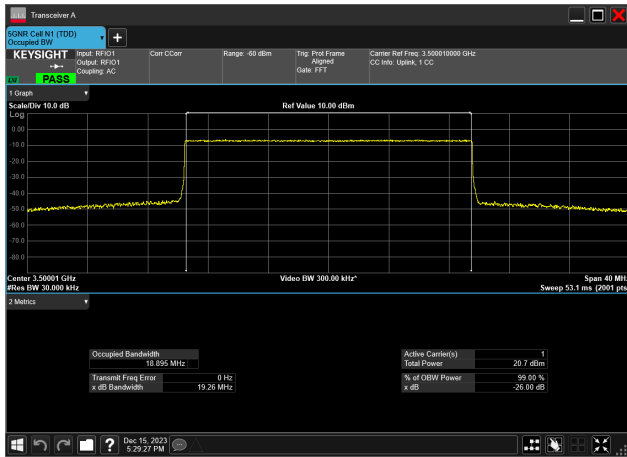
20MHz\_15kHz\_3460MHz\_DFT-s-OFDM 256 QAM\_RB100@0  
18.723 MHz



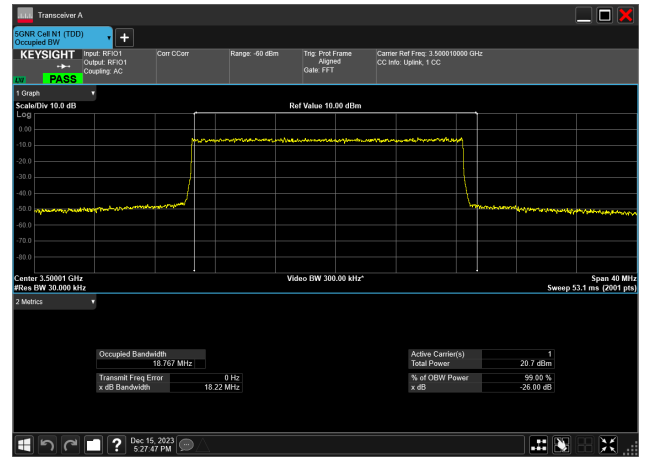


20MHz\_15kHz\_3460MHz\_DFT-s-OFDM 64 QAM\_RB100@  
18.739 MHz20MHz\_15kHz\_3460MHz\_DFT-s-OFDM PI/2 BPSK\_RB100@  
18.697 MHz20MHz\_15kHz\_3460MHz\_DFT-s-OFDM QPSK\_RB100@  
18.779 MHz20MHz\_15kHz\_3500MHz\_CP-OFDM 16 QAM\_RB106@  
18.900 MHz20MHz\_15kHz\_3500MHz\_CP-OFDM 256 QAM\_RB106@  
18.894 MHz20MHz\_15kHz\_3500MHz\_CP-OFDM 64 QAM\_RB106@  
18.895 MHz

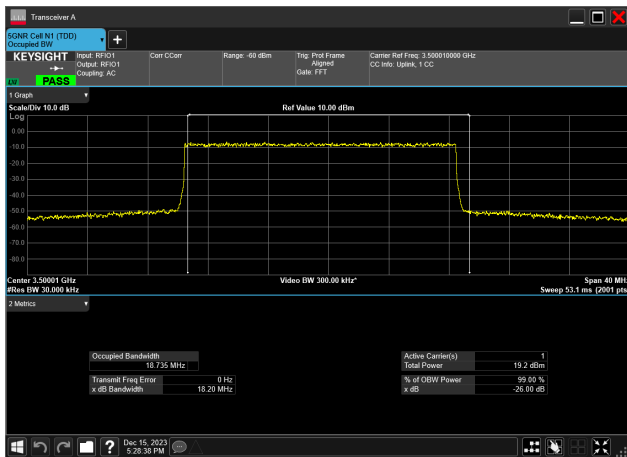
20MHz\_15kHz\_3500MHz\_CP-OFDM QPSK\_RB106@  
18.895 MHz



20MHz\_15kHz\_3500MHz\_DFT-s-OFDM 16 QAM\_RB100@  
18.767 MHz



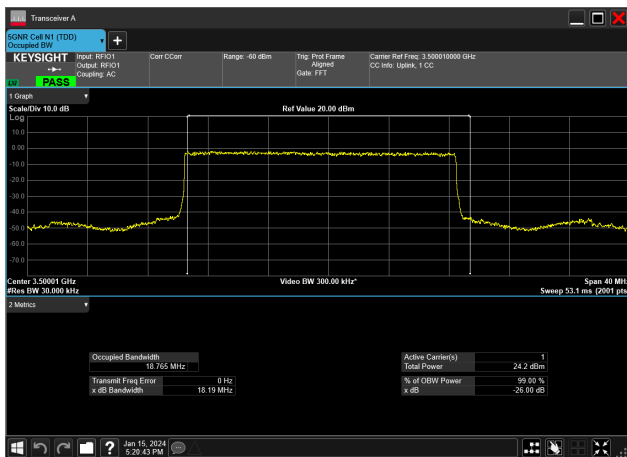
20MHz\_15kHz\_3500MHz\_DFT-s-OFDM 256 QAM\_RB100@  
18.735 MHz



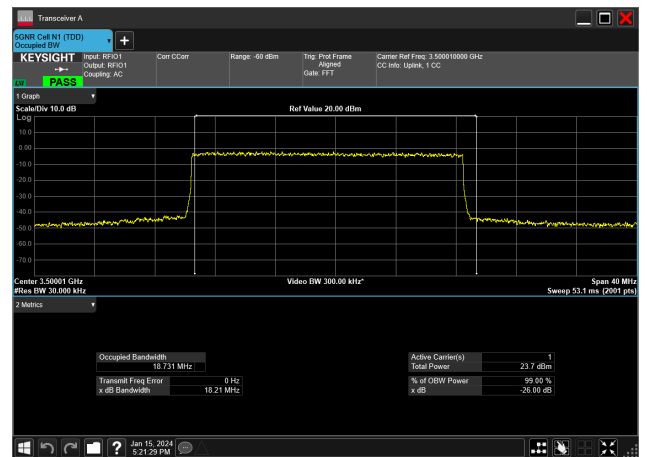
20MHz\_15kHz\_3500MHz\_DFT-s-OFDM 64 QAM\_RB100@  
18.763 MHz



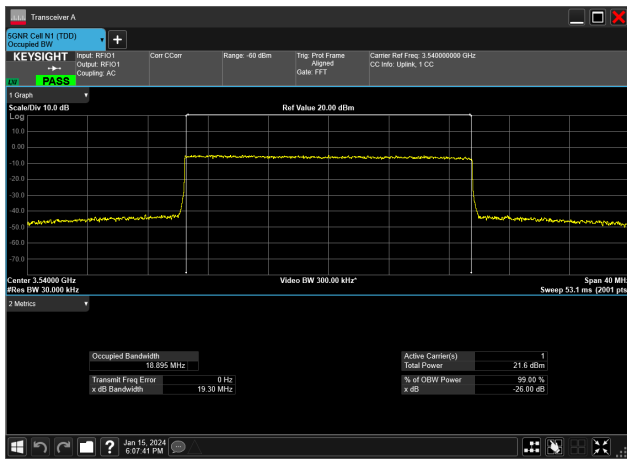
20MHz\_15kHz\_3500MHz\_DFT-s-OFDM PI/2 BPSK\_RB100@  
18.765 MHz



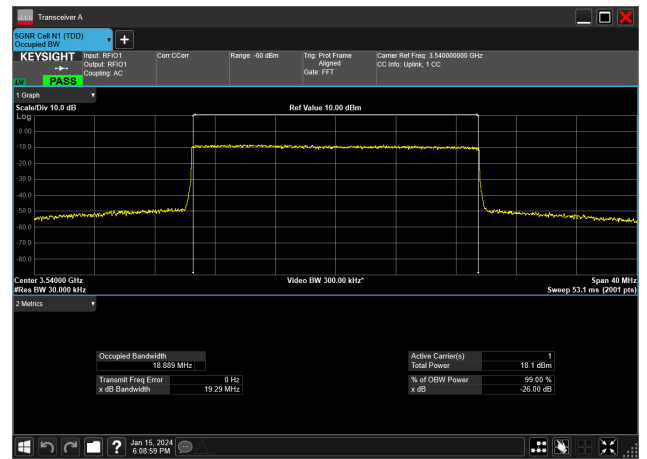
20MHz\_15kHz\_3500MHz\_DFT-s-OFDM QPSK\_RB100@  
18.731 MHz



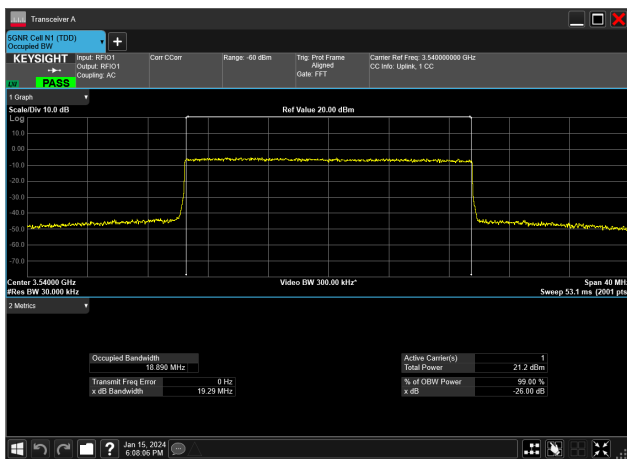
20MHz\_15kHz\_3540MHz\_CP-OFDM 16 QAM\_RB106@  
18.895 MHz



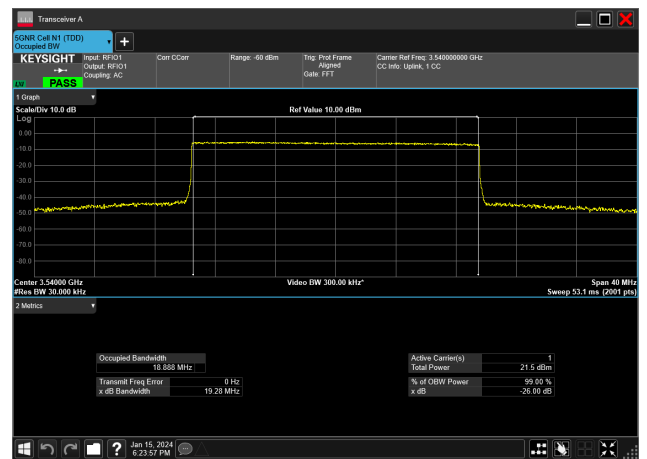
20MHz\_15kHz\_3540MHz\_CP-OFDM 256 QAM\_RB106@  
18.889 MHz



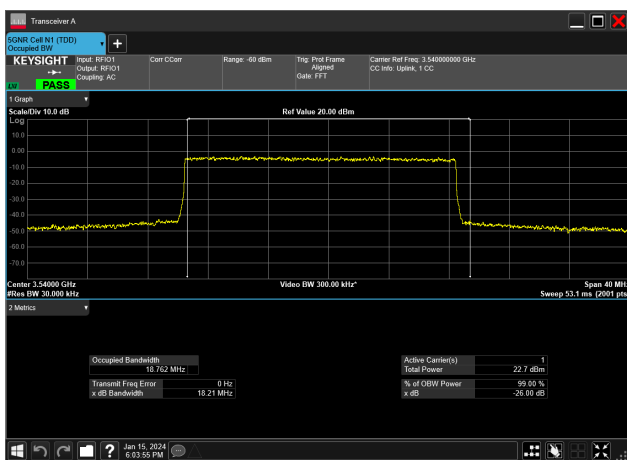
20MHz\_15kHz\_3540MHz\_CP-OFDM 64 QAM\_RB106@  
18.890 MHz



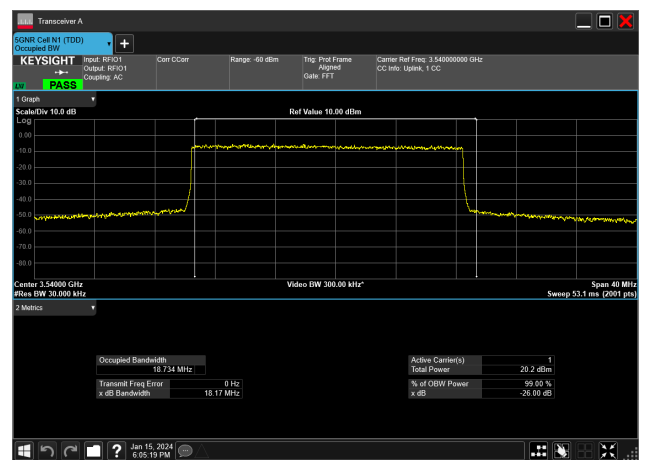
20MHz\_15kHz\_3540MHz\_CP-OFDM QPSK\_RB106@  
18.888 MHz

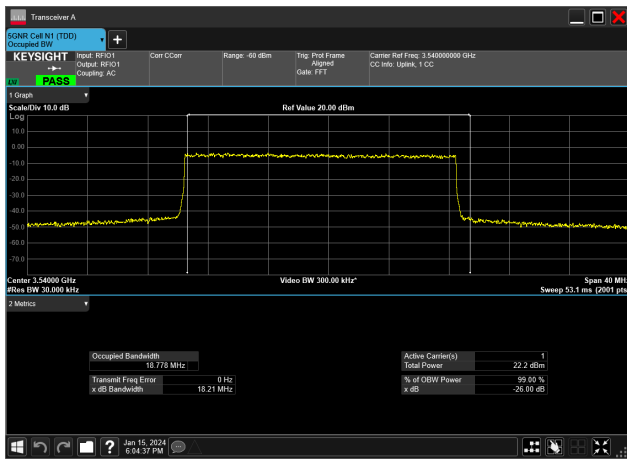
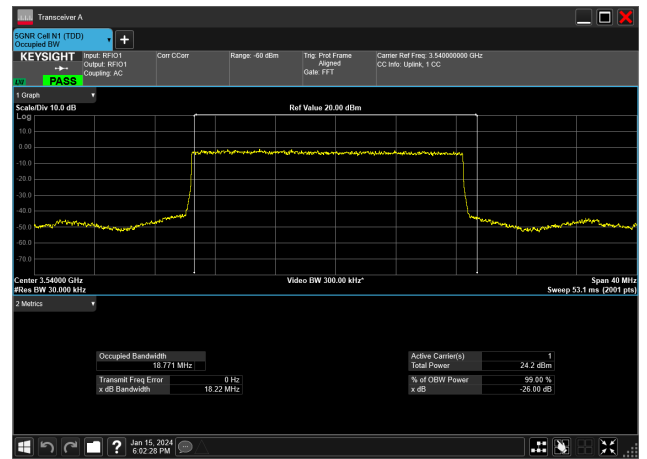
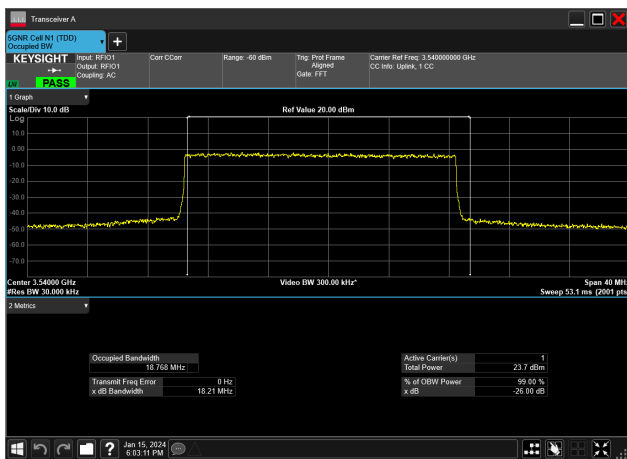
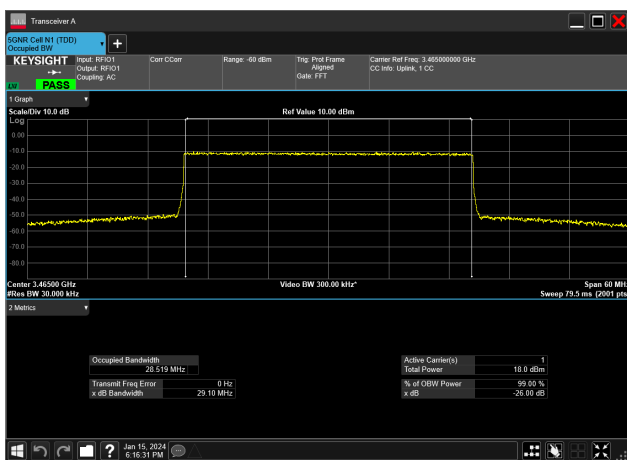
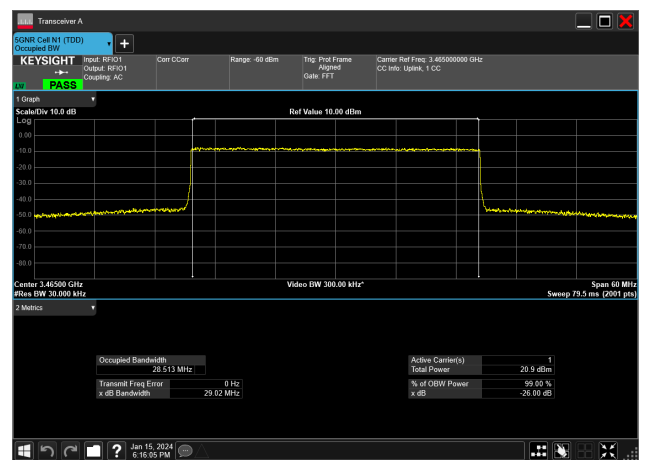


20MHz\_15kHz\_3540MHz\_DFT-s-OFDM 16 QAM\_RB100@  
18.762 MHz

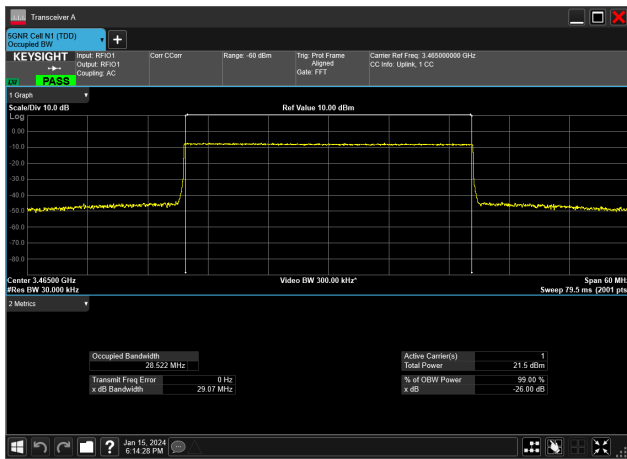


20MHz\_15kHz\_3540MHz\_DFT-s-OFDM 256 QAM\_RB100@  
18.734 MHz

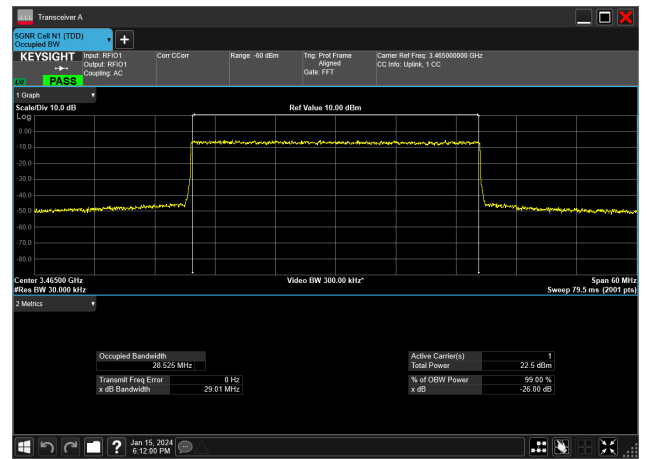


20MHz\_15kHz\_3540MHz\_DFT-s-OFDM 64 QAM\_RB100@  
18.778 MHz20MHz\_15kHz\_3540MHz\_DFT-s-OFDM PI/2 BPSK\_RB100@  
18.771 MHz20MHz\_15kHz\_3540MHz\_DFT-s-OFDM QPSK\_RB100@  
18.768 MHz30MHz\_15kHz\_3465MHz\_CP-OFDM 16 QAM\_RB160@  
28.521 MHz30MHz\_15kHz\_3465MHz\_CP-OFDM 256 QAM\_RB160@  
28.519 MHz30MHz\_15kHz\_3465MHz\_CP-OFDM 64 QAM\_RB160@  
28.513 MHz

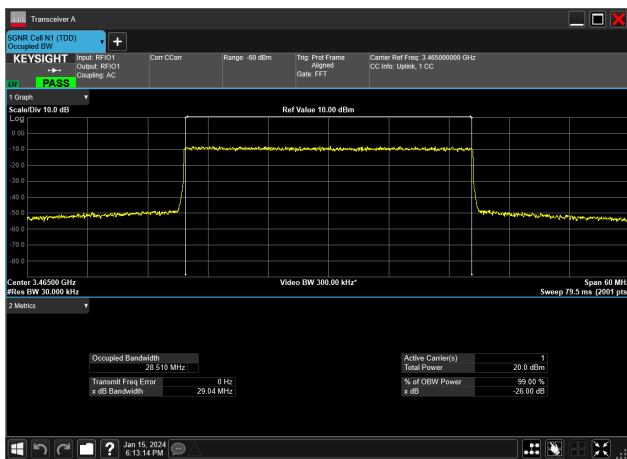
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28.522 MHz



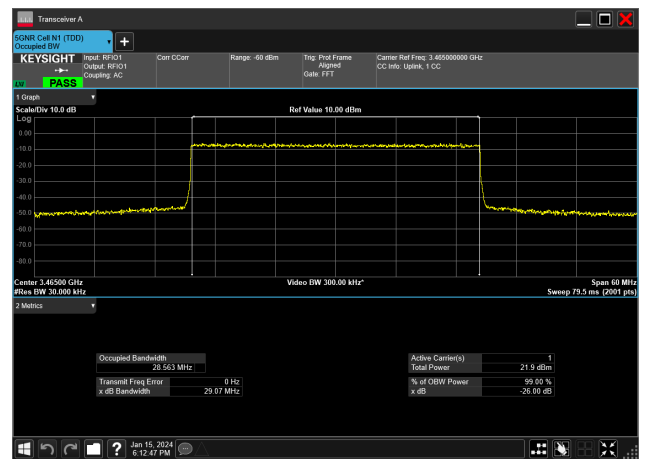
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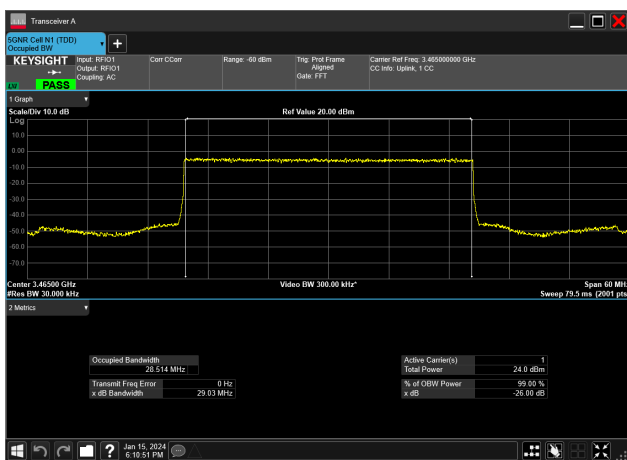
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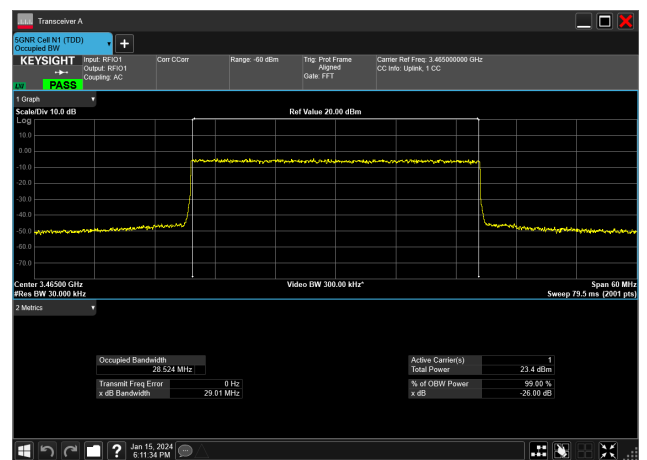
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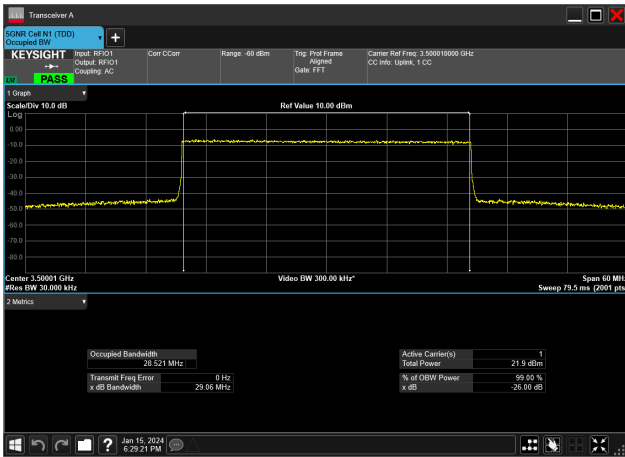
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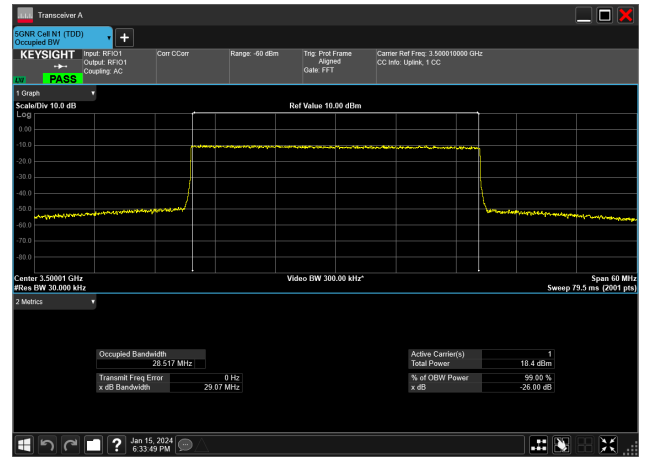
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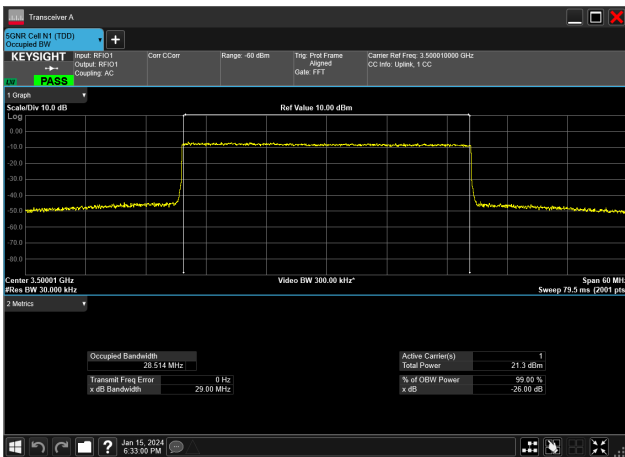
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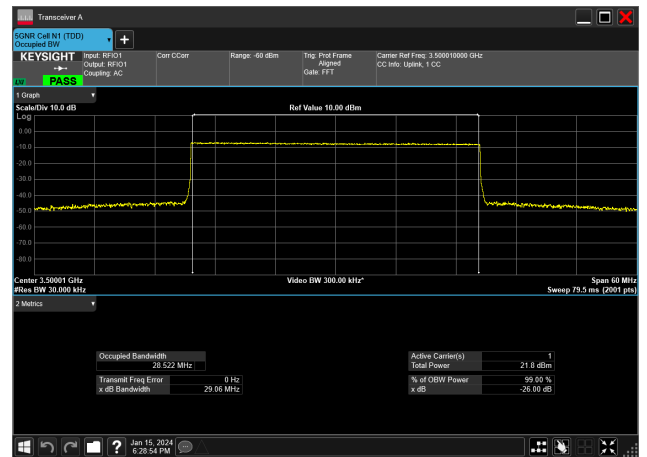
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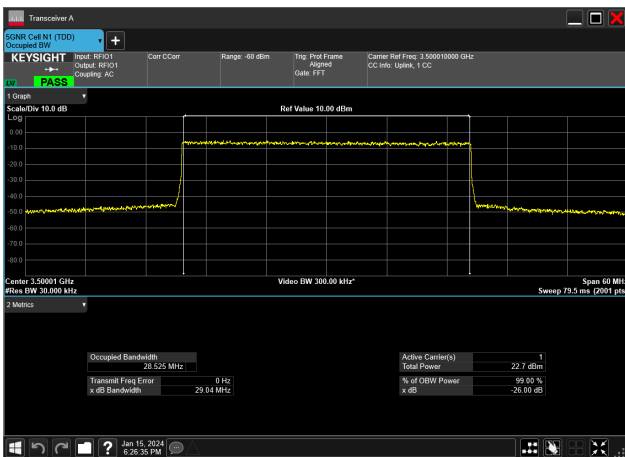
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28.514 MHz



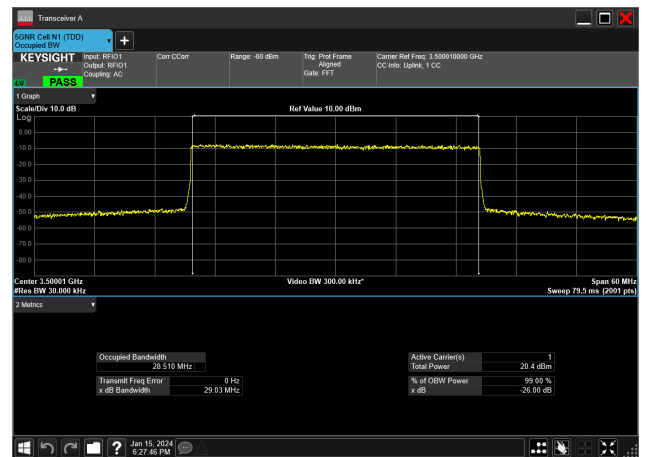
30MHz\_15kHz\_3500MHz\_CP-OFDM QPSK\_RB160@  
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30MHz\_15kHz\_3500MHz\_DFT-s-OFDM 16 QAM\_RB160@  
28.525 MHz

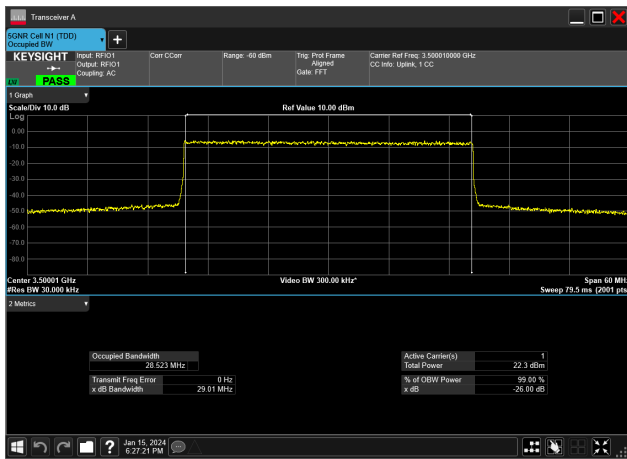


30MHz\_15kHz\_3500MHz\_DFT-s-OFDM 256 QAM\_RB160@  
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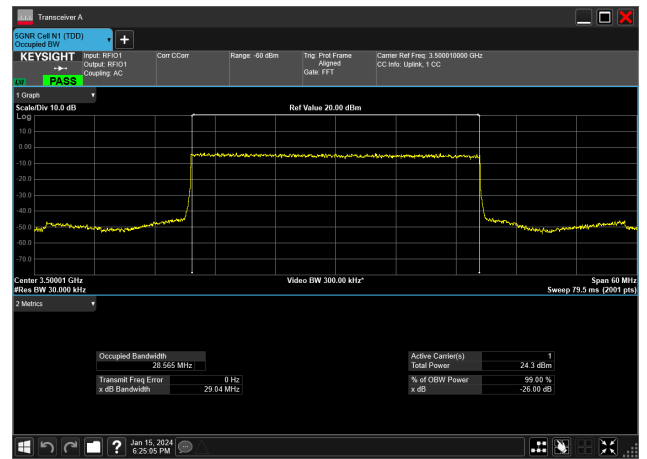




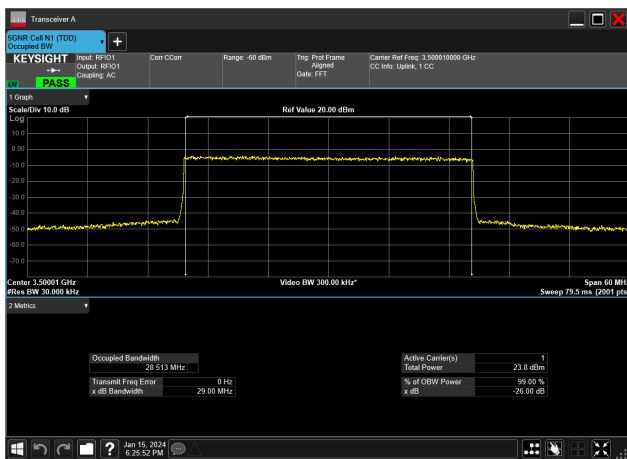
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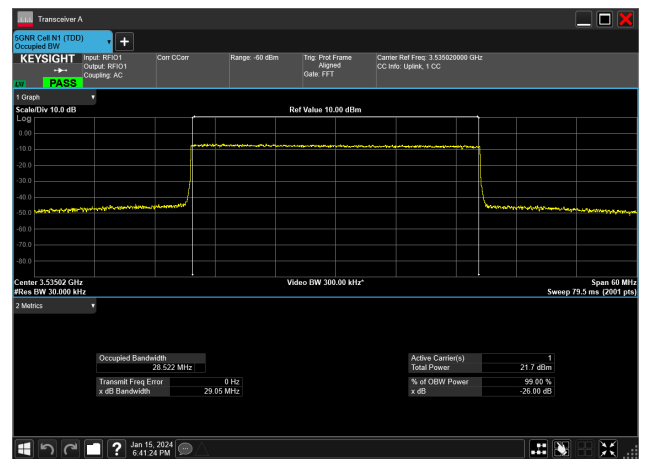
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28.565 MHz



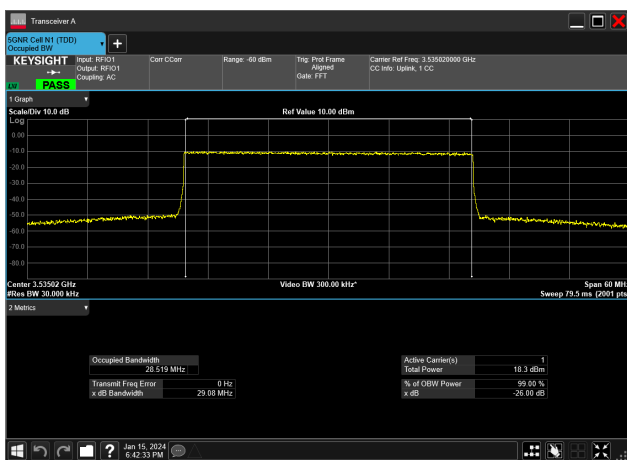
30MHz\_15kHz\_3500MHz\_DFT-s-OFDM QPSK\_RB160@0  
28.513 MHz



30MHz\_15kHz\_3535MHz\_CP-OFDM 16 QAM\_RB160@0  
28.522 MHz



30MHz\_15kHz\_3535MHz\_CP-OFDM 256 QAM\_RB160@0  
28.519 MHz



30MHz\_15kHz\_3535MHz\_CP-OFDM 64 QAM\_RB160@0  
28.514 MHz

