





## R.3 Occupied bandwidth

### TestResult

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	LowLimit	UpLimit	Result
n77	20MHz	30kHz	647334	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	18.08	0.00	20.00	PASS
n77	20MHz	30kHz	647334	2	DFT-s-OFDM QPSK^Outer_Full	18.02	0.00	20.00	PASS
n77	20MHz	30kHz	647334	3	DFT-s-OFDM 16QAM^Outer_Full	18.05	0.00	20.00	PASS
n77	20MHz	30kHz	647334	4	DFT-s-OFDM 64QAM^Outer_Full	18.04	0.00	20.00	PASS
n77	20MHz	30kHz	647334	5	DFT-s-OFDM 256QAM^Outer_Full	18.05	0.00	20.00	PASS
n77	20MHz	30kHz	647334	6	CP-OFDM QPSK^Outer_Full	18.19	0.00	20.00	PASS
n77	20MHz	30kHz	647334	7	CP-OFDM 16QAM^Outer_Full	18.17	0.00	20.00	PASS
n77	20MHz	30kHz	647334	8	CP-OFDM 64QAM^Outer_Full	18.19	0.00	20.00	PASS
n77	20MHz	30kHz	647334	9	CP-OFDM 256QAM^Outer_Full	18.19	0.00	20.00	PASS
n77	20MHz	30kHz	656000	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	18.02	0.00	20.00	PASS
n77	20MHz	30kHz	656000	2	DFT-s-OFDM QPSK^Outer_Full	17.99	0.00	20.00	PASS
n77	20MHz	30kHz	656000	3	DFT-s-OFDM 16QAM^Outer_Full	17.99	0.00	20.00	PASS
n77	20MHz	30kHz	656000	4	DFT-s-OFDM 64QAM^Outer_Full	17.99	0.00	20.00	PASS
n77	20MHz	30kHz	656000	5	DFT-s-OFDM 256QAM^Outer_Full	18.04	0.00	20.00	PASS
n77	20MHz	30kHz	656000	6	CP-OFDM QPSK^Outer_Full	18.17	0.00	20.00	PASS
n77	20MHz	30kHz	656000	7	CP-OFDM 16QAM^Outer_Full	18.17	0.00	20.00	PASS
n77	20MHz	30kHz	656000	8	CP-OFDM 64QAM^Outer_Full	18.19	0.00	20.00	PASS
n77	20MHz	30kHz	656000	9	CP-OFDM 256QAM^Outer_Full	18.19	0.00	20.00	PASS
n77	20MHz	30kHz	664666	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	18.08	0.00	20.00	PASS
n77	20MHz	30kHz	664666	2	DFT-s-OFDM QPSK^Outer_Full	18.02	0.00	20.00	PASS
n77	20MHz	30kHz	664666	3	DFT-s-OFDM 16QAM^Outer_Full	18.05	0.00	20.00	PASS
n77	20MHz	30kHz	664666	4	DFT-s-OFDM 64QAM^Outer_Full	18.02	0.00	20.00	PASS
n77	20MHz	30kHz	664666	5	DFT-s-OFDM 256QAM^Outer_Full	18.02	0.00	20.00	PASS
n77	20MHz	30kHz	664666	6	CP-OFDM QPSK^Outer_Full	18.19	0.00	20.00	PASS
n77	20MHz	30kHz	664666	7	CP-OFDM 16QAM^Outer_Full	18.19	0.00	20.00	PASS
n77	20MHz	30kHz	664666	8	CP-OFDM 64QAM^Outer_Full	18.20	0.00	20.00	PASS
n77	20MHz	30kHz	664666	9	CP-OFDM 256QAM^Outer_Full	18.20	0.00	20.00	PASS
n77	50MHz	30kHz	648334	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	47.05	0.00	50.00	PASS
n77	50MHz	30kHz	648334	2	DFT-s-OFDM QPSK^Outer_Full	46.97	0.00	50.00	PASS
n77	50MHz	30kHz	648334	3	DFT-s-OFDM 16QAM^Outer_Full	46.99	0.00	50.00	PASS
n77	50MHz	30kHz	648334	4	DFT-s-OFDM 64QAM^Outer_Full	47.08	0.00	50.00	PASS
n77	50MHz	30kHz	648334	5	DFT-s-OFDM 256QAM^Outer_Full	46.94	0.00	50.00	PASS
n77	50MHz	30kHz	648334	6	CP-OFDM QPSK^Outer_Full	47.39	0.00	50.00	PASS
n77	50MHz	30kHz	648334	7	CP-OFDM 16QAM^Outer_Full	47.42	0.00	50.00	PASS
n77	50MHz	30kHz	648334	8	CP-OFDM 64QAM^Outer_Full	47.42	0.00	50.00	PASS
n77	50MHz	30kHz	648334	9	CP-OFDM 256QAM^Outer_Full	47.38	0.00	50.00	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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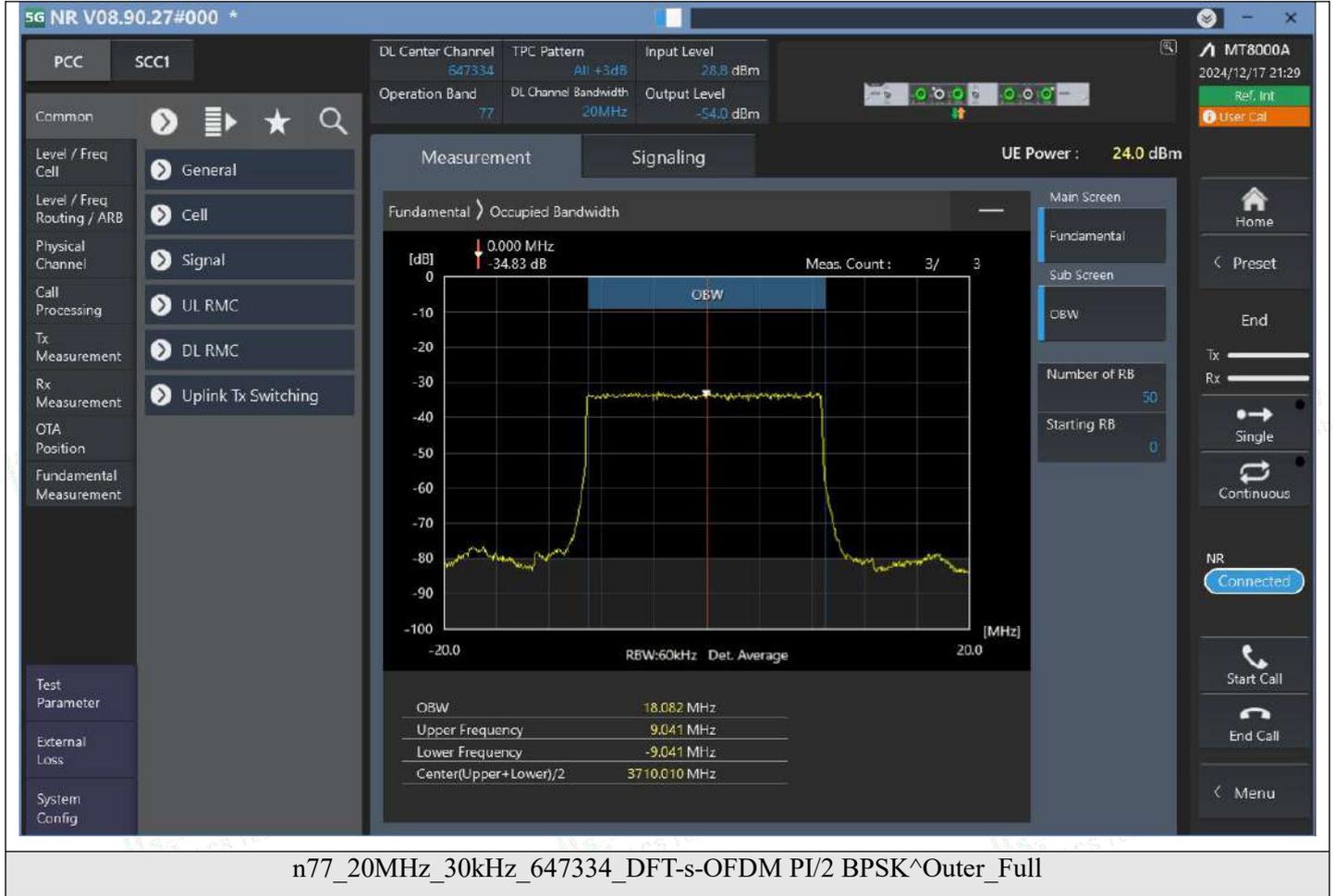
n77	50MHz	30kHz	656000	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	46.90	0.00	50.00	PASS
n77	50MHz	30kHz	656000	2	DFT-s-OFDM QPSK^Outer_Full	46.85	0.00	50.00	PASS
n77	50MHz	30kHz	656000	3	DFT-s-OFDM 16QAM^Outer_Full	46.82	0.00	50.00	PASS
n77	50MHz	30kHz	656000	4	DFT-s-OFDM 64QAM^Outer_Full	46.96	0.00	50.00	PASS
n77	50MHz	30kHz	656000	5	DFT-s-OFDM 256QAM^Outer_Full	46.76	0.00	50.00	PASS
n77	50MHz	30kHz	656000	6	CP-OFDM QPSK^Outer_Full	47.39	0.00	50.00	PASS
n77	50MHz	30kHz	656000	7	CP-OFDM 16QAM^Outer_Full	47.39	0.00	50.00	PASS
n77	50MHz	30kHz	656000	8	CP-OFDM 64QAM^Outer_Full	47.39	0.00	50.00	PASS
n77	50MHz	30kHz	656000	9	CP-OFDM 256QAM^Outer_Full	47.38	0.00	50.00	PASS
n77	50MHz	30kHz	663666	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	46.96	0.00	50.00	PASS
n77	50MHz	30kHz	663666	2	DFT-s-OFDM QPSK^Outer_Full	46.88	0.00	50.00	PASS
n77	50MHz	30kHz	663666	3	DFT-s-OFDM 16QAM^Outer_Full	46.87	0.00	50.00	PASS
n77	50MHz	30kHz	663666	4	DFT-s-OFDM 64QAM^Outer_Full	47.00	0.00	50.00	PASS
n77	50MHz	30kHz	663666	5	DFT-s-OFDM 256QAM^Outer_Full	46.84	0.00	50.00	PASS
n77	50MHz	30kHz	663666	6	CP-OFDM QPSK^Outer_Full	47.39	0.00	50.00	PASS
n77	50MHz	30kHz	663666	7	CP-OFDM 16QAM^Outer_Full	47.41	0.00	50.00	PASS
n77	50MHz	30kHz	663666	8	CP-OFDM 64QAM^Outer_Full	47.41	0.00	50.00	PASS
n77	50MHz	30kHz	663666	9	CP-OFDM 256QAM^Outer_Full	47.39	0.00	50.00	PASS
n77	100MHz	30kHz	650000	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	96.20	0.00	100.00	PASS
n77	100MHz	30kHz	650000	2	DFT-s-OFDM QPSK^Outer_Full	96.04	0.00	100.00	PASS
n77	100MHz	30kHz	650000	3	DFT-s-OFDM 16QAM^Outer_Full	96.13	0.00	100.00	PASS
n77	100MHz	30kHz	650000	4	DFT-s-OFDM 64QAM^Outer_Full	96.13	0.00	100.00	PASS
n77	100MHz	30kHz	650000	5	DFT-s-OFDM 256QAM^Outer_Full	96.08	0.00	100.00	PASS
n77	100MHz	30kHz	650000	6	CP-OFDM QPSK^Outer_Full	97.13	0.00	100.00	PASS
n77	100MHz	30kHz	650000	7	CP-OFDM 16QAM^Outer_Full	97.16	0.00	100.00	PASS
n77	100MHz	30kHz	650000	8	CP-OFDM 64QAM^Outer_Full	97.13	0.00	100.00	PASS
n77	100MHz	30kHz	650000	9	CP-OFDM 256QAM^Outer_Full	97.09	0.00	100.00	PASS
n77	100MHz	30kHz	656000	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	96.04	0.00	100.00	PASS
n77	100MHz	30kHz	656000	2	DFT-s-OFDM QPSK^Outer_Full	95.96	0.00	100.00	PASS
n77	100MHz	30kHz	656000	3	DFT-s-OFDM 16QAM^Outer_Full	96.02	0.00	100.00	PASS
n77	100MHz	30kHz	656000	4	DFT-s-OFDM 64QAM^Outer_Full	96.02	0.00	100.00	PASS
n77	100MHz	30kHz	656000	5	DFT-s-OFDM 256QAM^Outer_Full	96.01	0.00	100.00	PASS
n77	100MHz	30kHz	656000	6	CP-OFDM QPSK^Outer_Full	97.16	0.00	100.00	PASS
n77	100MHz	30kHz	656000	7	CP-OFDM 16QAM^Outer_Full	97.19	0.00	100.00	PASS
n77	100MHz	30kHz	656000	8	CP-OFDM 64QAM^Outer_Full	97.16	0.00	100.00	PASS
n77	100MHz	30kHz	656000	9	CP-OFDM 256QAM^Outer_Full	97.12	0.00	100.00	PASS
n77	100MHz	30kHz	662000	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	96.05	0.00	100.00	PASS
n77	100MHz	30kHz	662000	2	DFT-s-OFDM QPSK^Outer_Full	95.95	0.00	100.00	PASS
n77	100MHz	30kHz	662000	3	DFT-s-OFDM 16QAM^Outer_Full	96.02	0.00	100.00	PASS
n77	100MHz	30kHz	662000	4	DFT-s-OFDM 64QAM^Outer_Full	96.04	0.00	100.00	PASS
n77	100MHz	30kHz	662000	5	DFT-s-OFDM 256QAM^Outer_Full	96.01	0.00	100.00	PASS
n77	100MHz	30kHz	662000	6	CP-OFDM QPSK^Outer_Full	97.16	0.00	100.00	PASS
n77	100MHz	30kHz	662000	7	CP-OFDM 16QAM^Outer_Full	97.19	0.00	100.00	PASS





n77	100MHz	30kHz	662000	8	CP-OFDM 64QAM^Outer_Full	97.18	0.00	100.00	PASS
n77	100MHz	30kHz	662000	9	CP-OFDM 256QAM^Outer_Full	97.13	0.00	100.00	PASS

### TestGraph

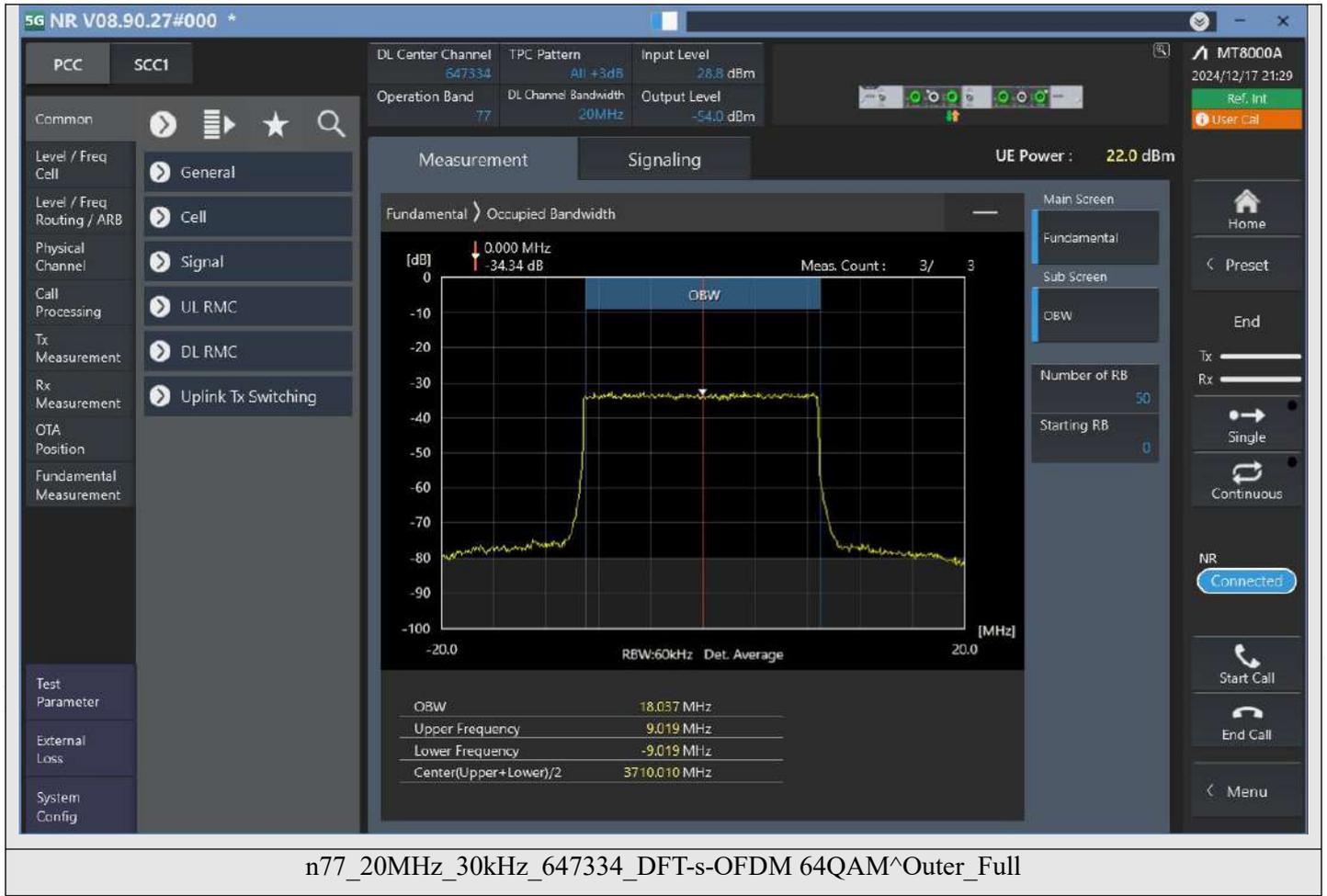


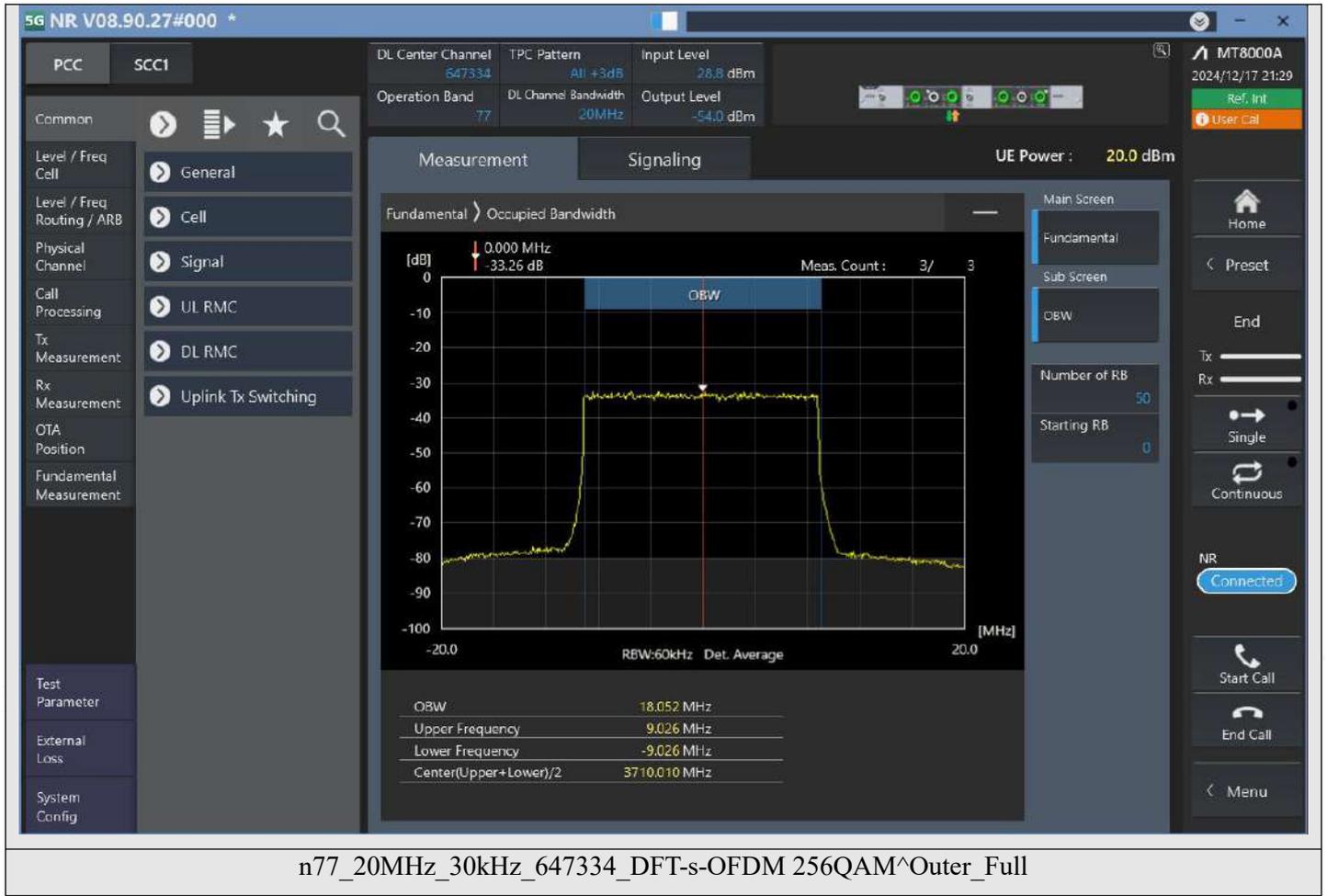
n77\_20MHz\_30kHz\_647334\_DFT-s-OFDM PI/2 BPSK^Outer\_Full







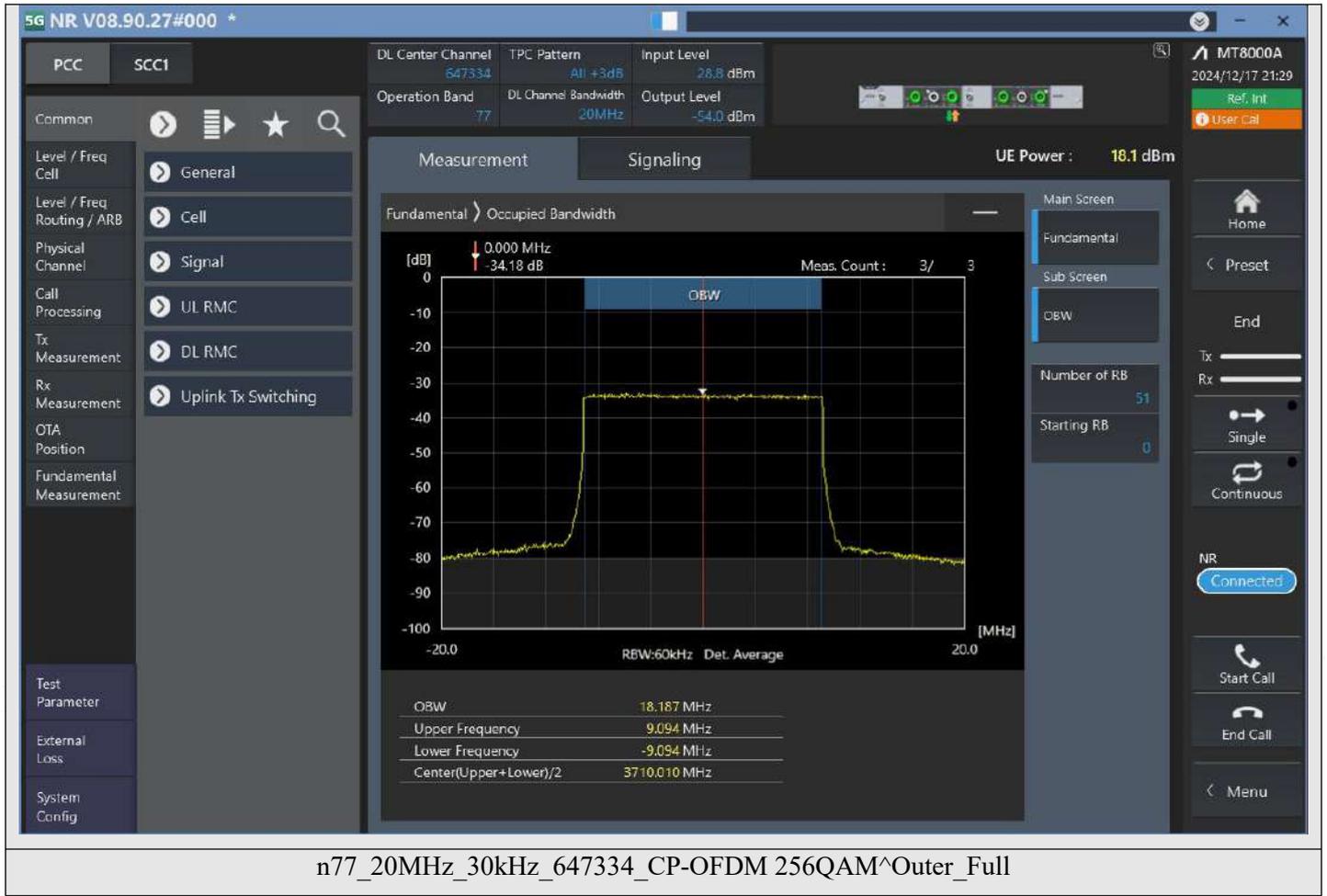




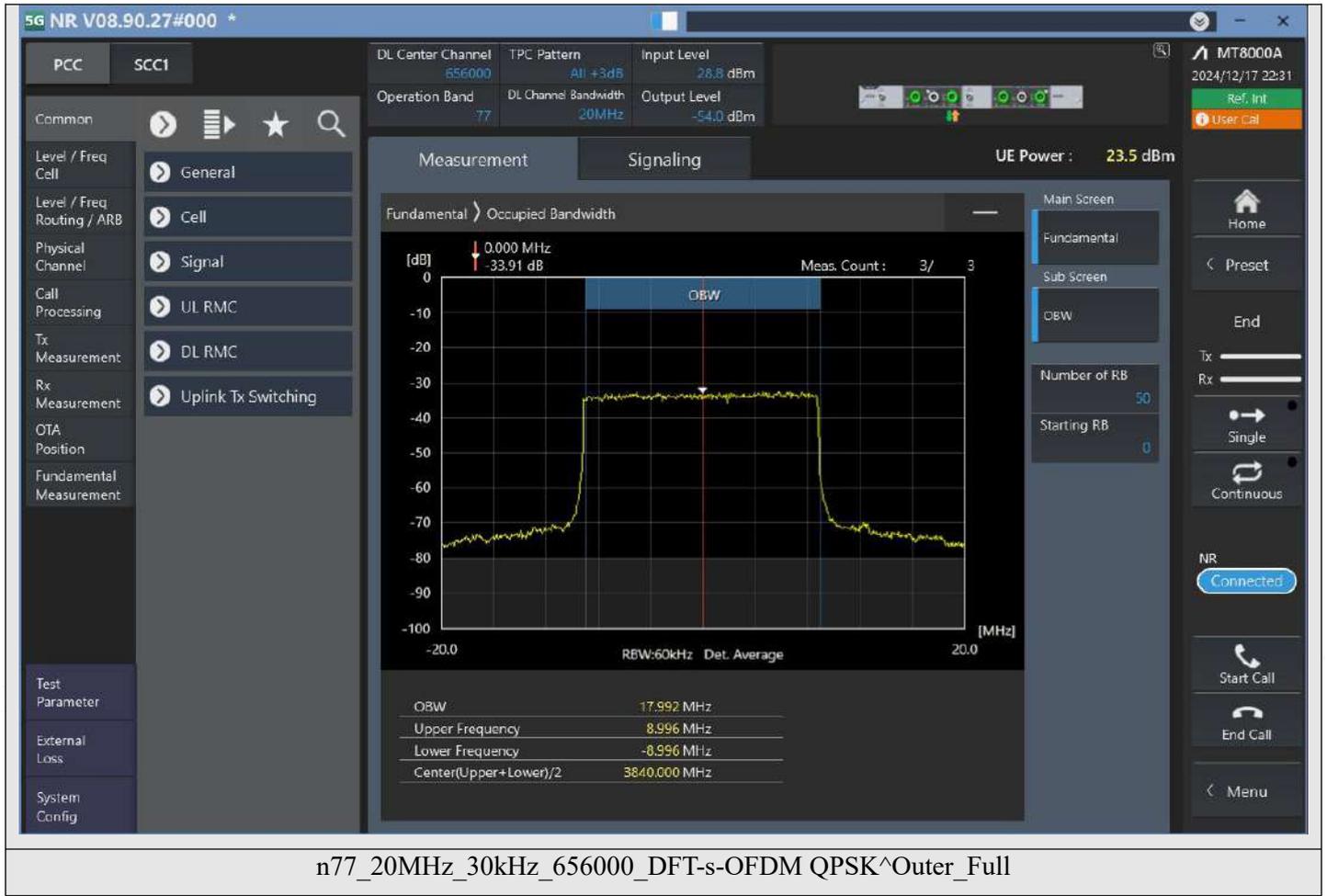


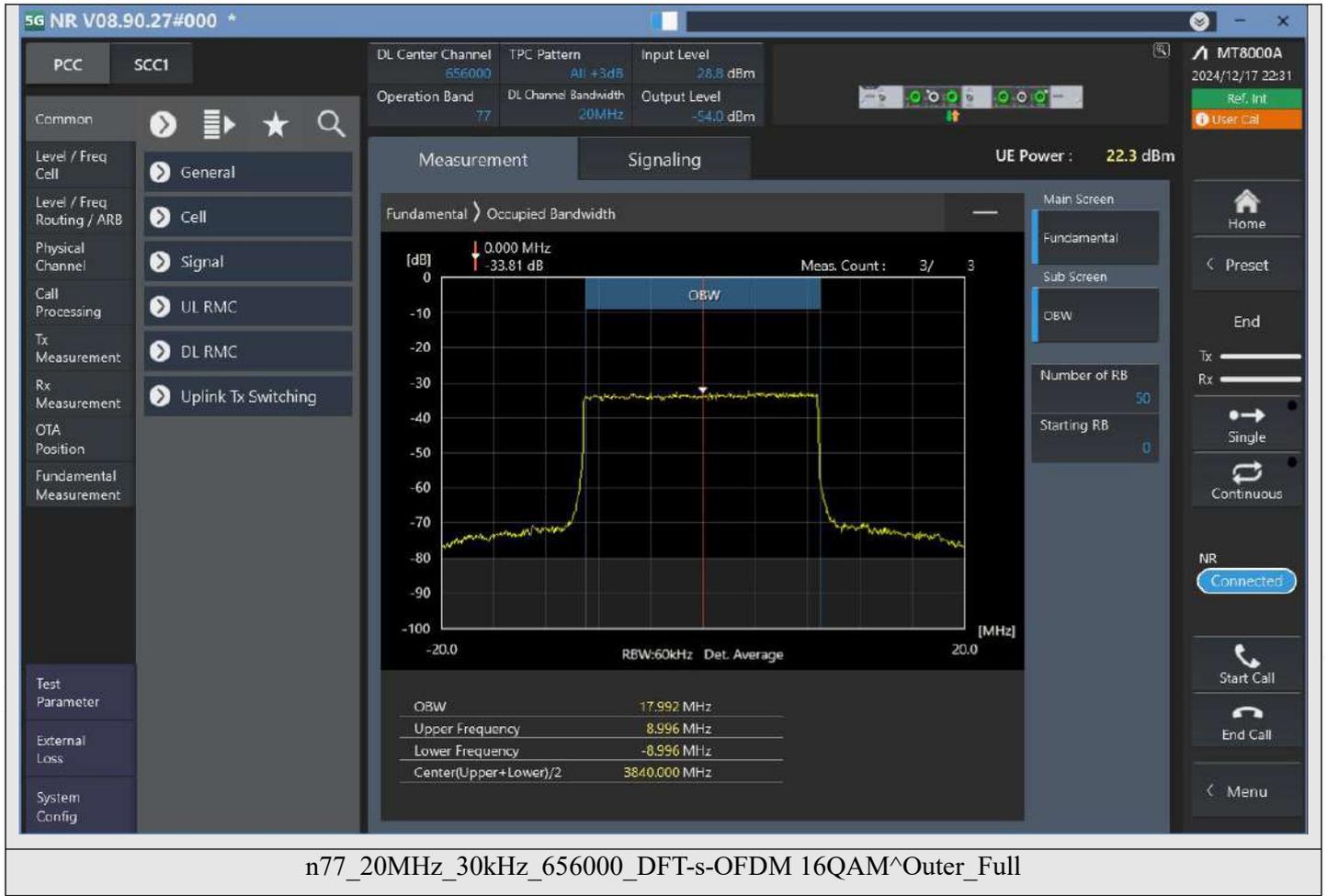












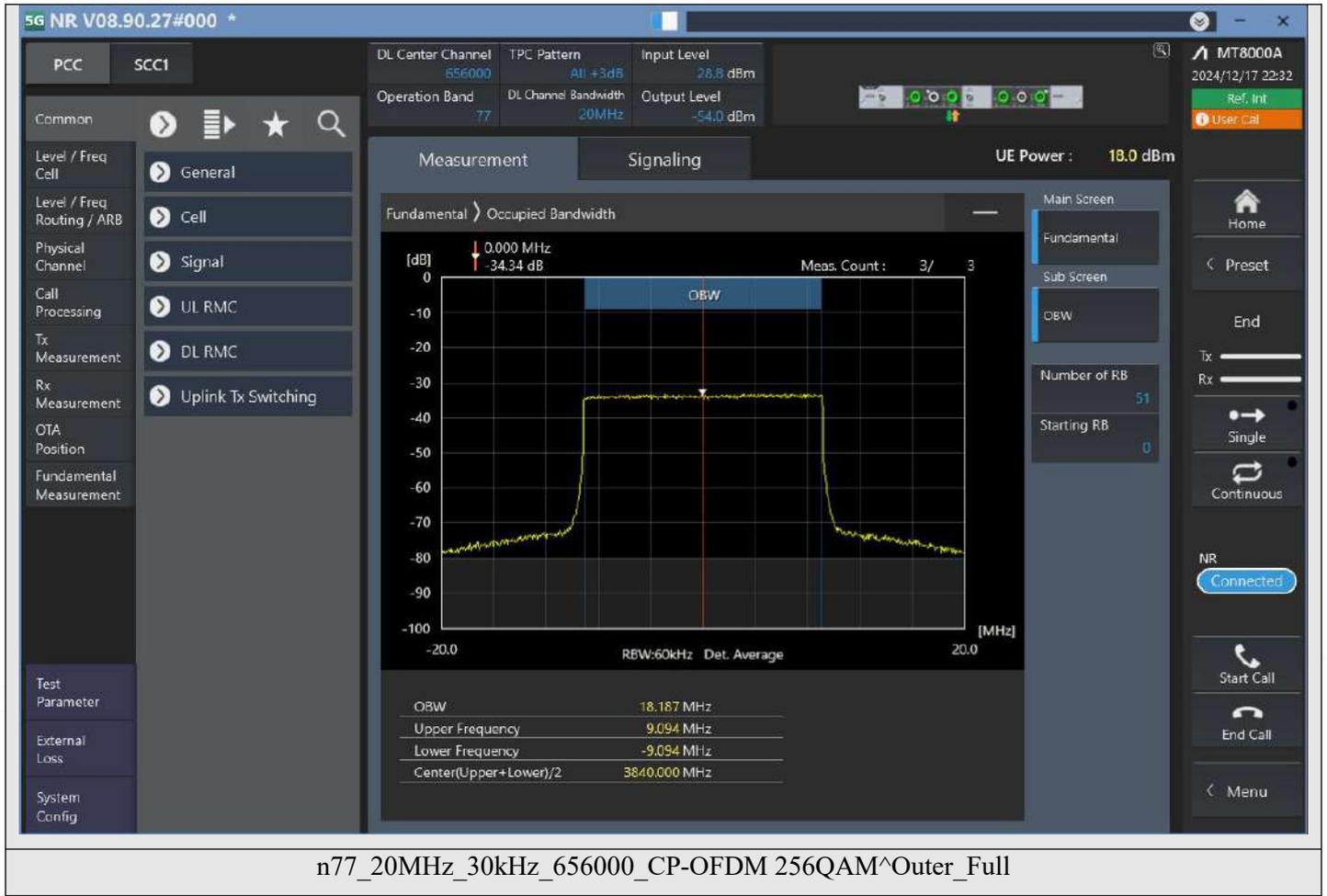








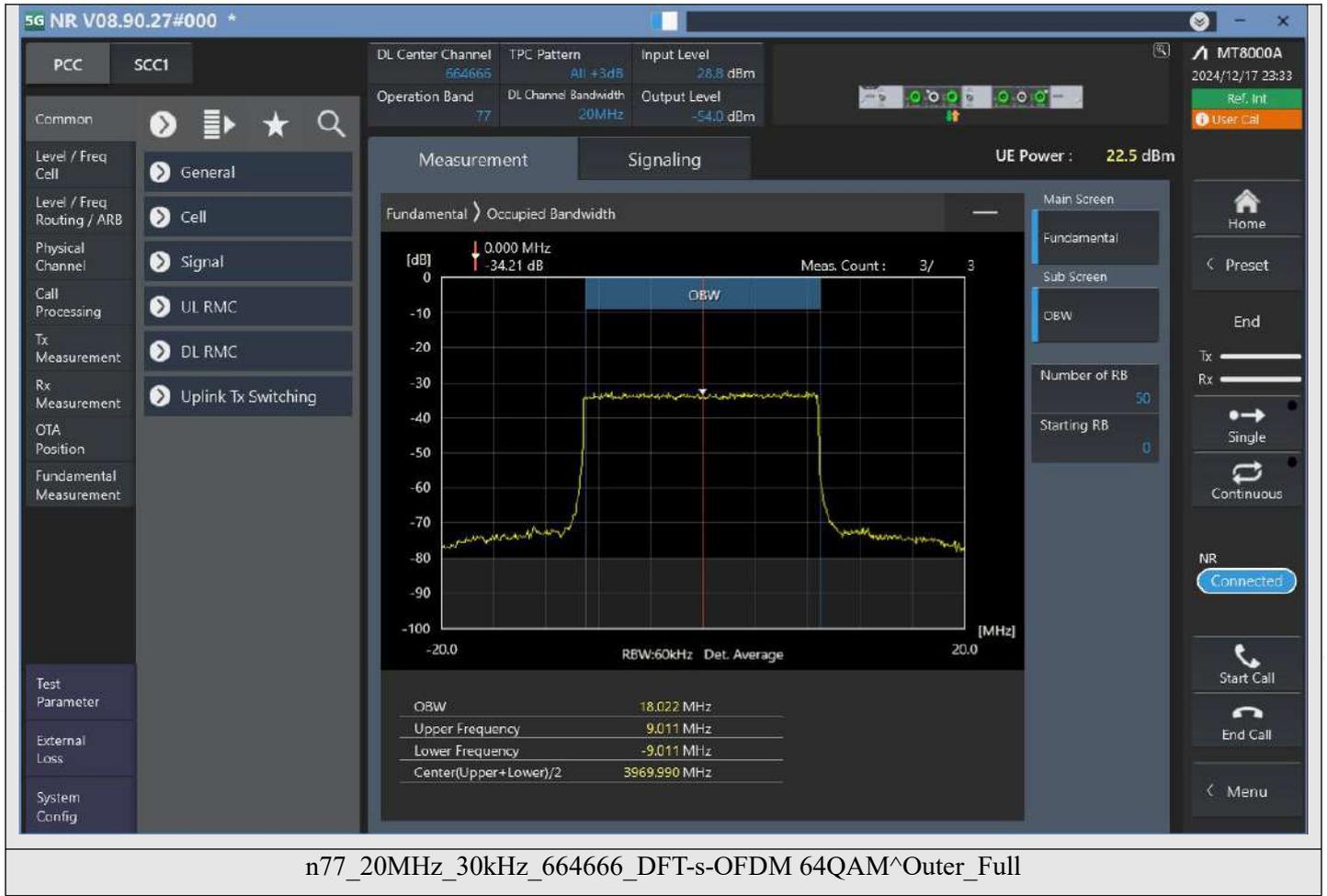










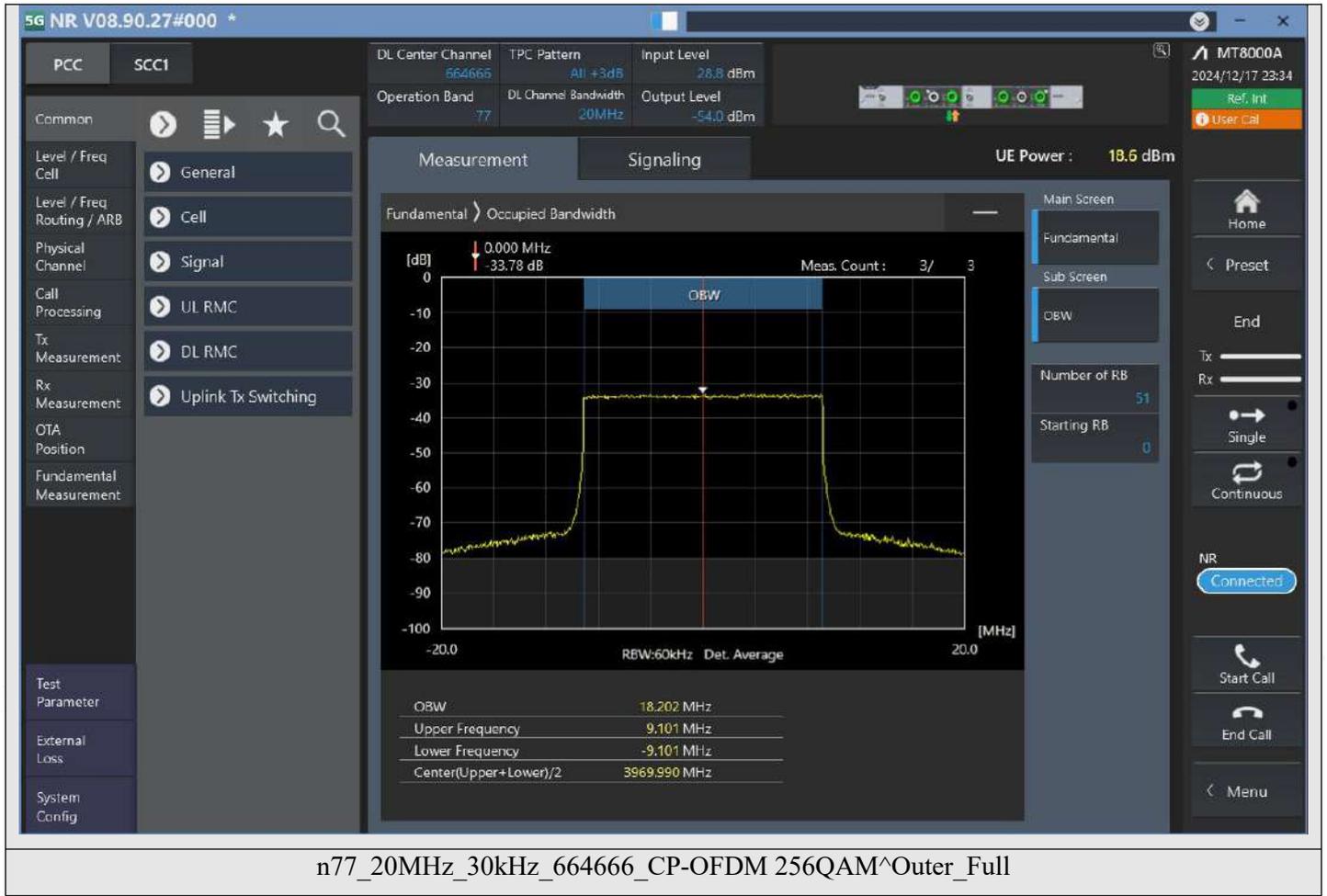




















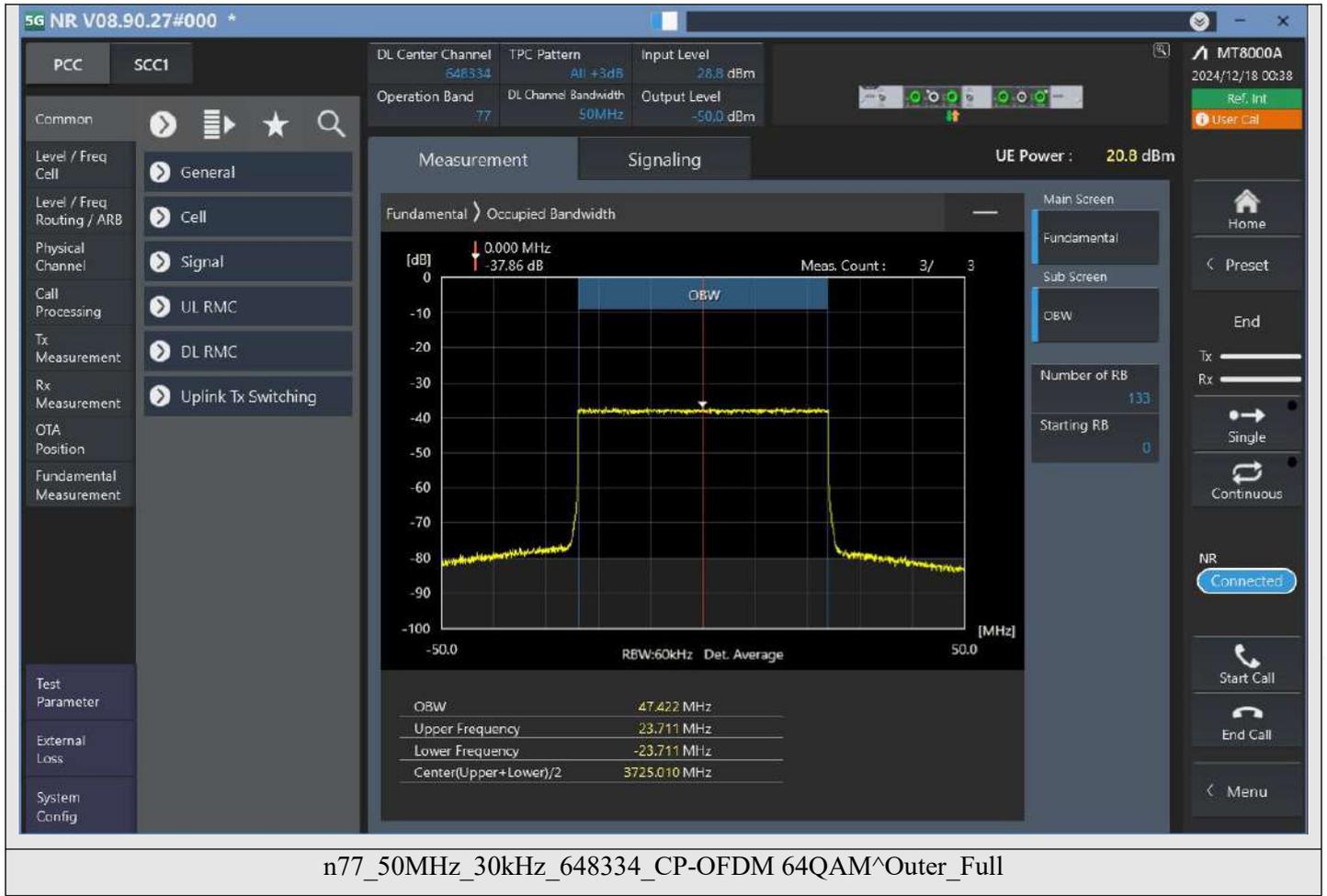


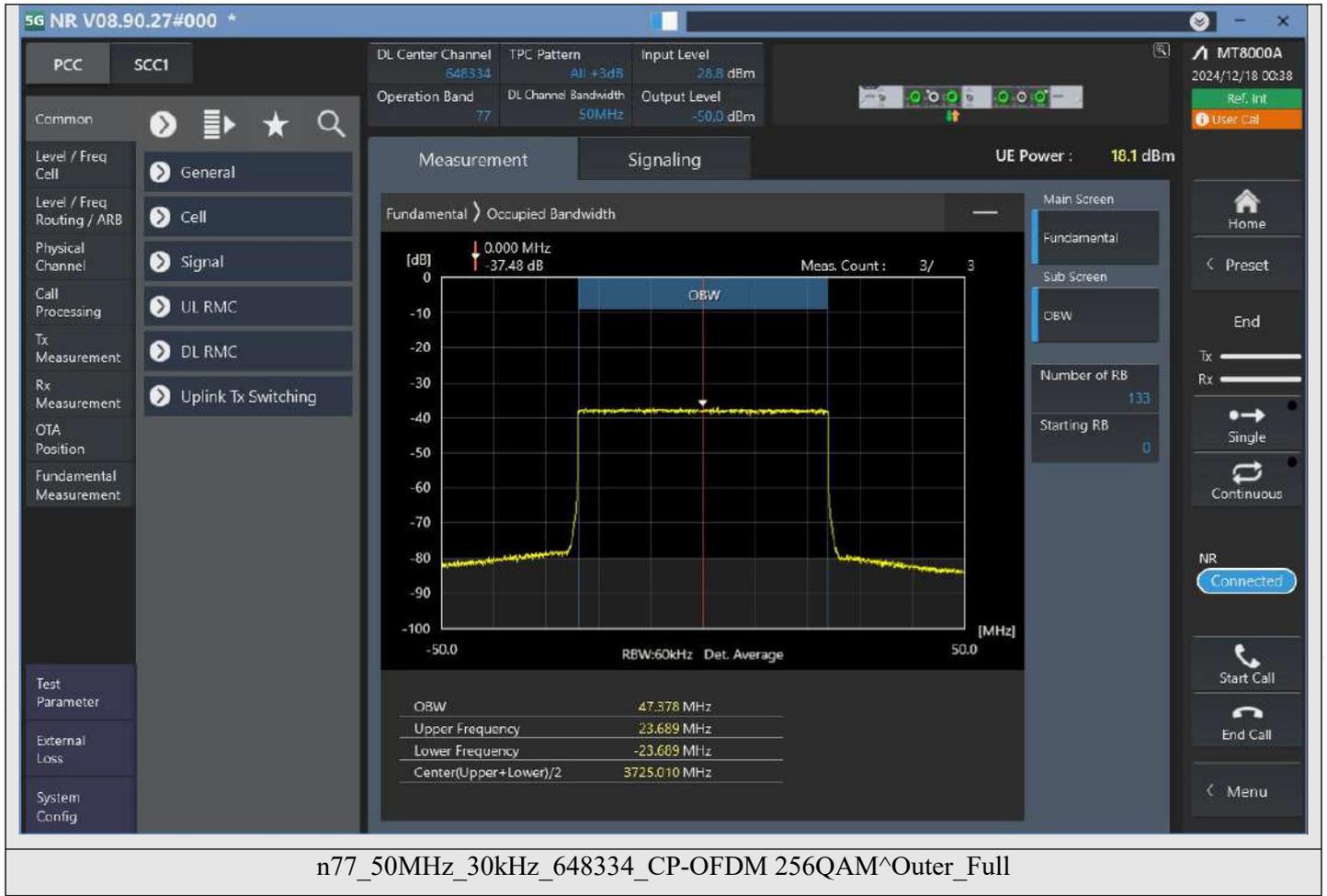
n77\_50MHz\_30kHz\_648334\_DFT-s-OFDM 256QAM^Outer\_Full





























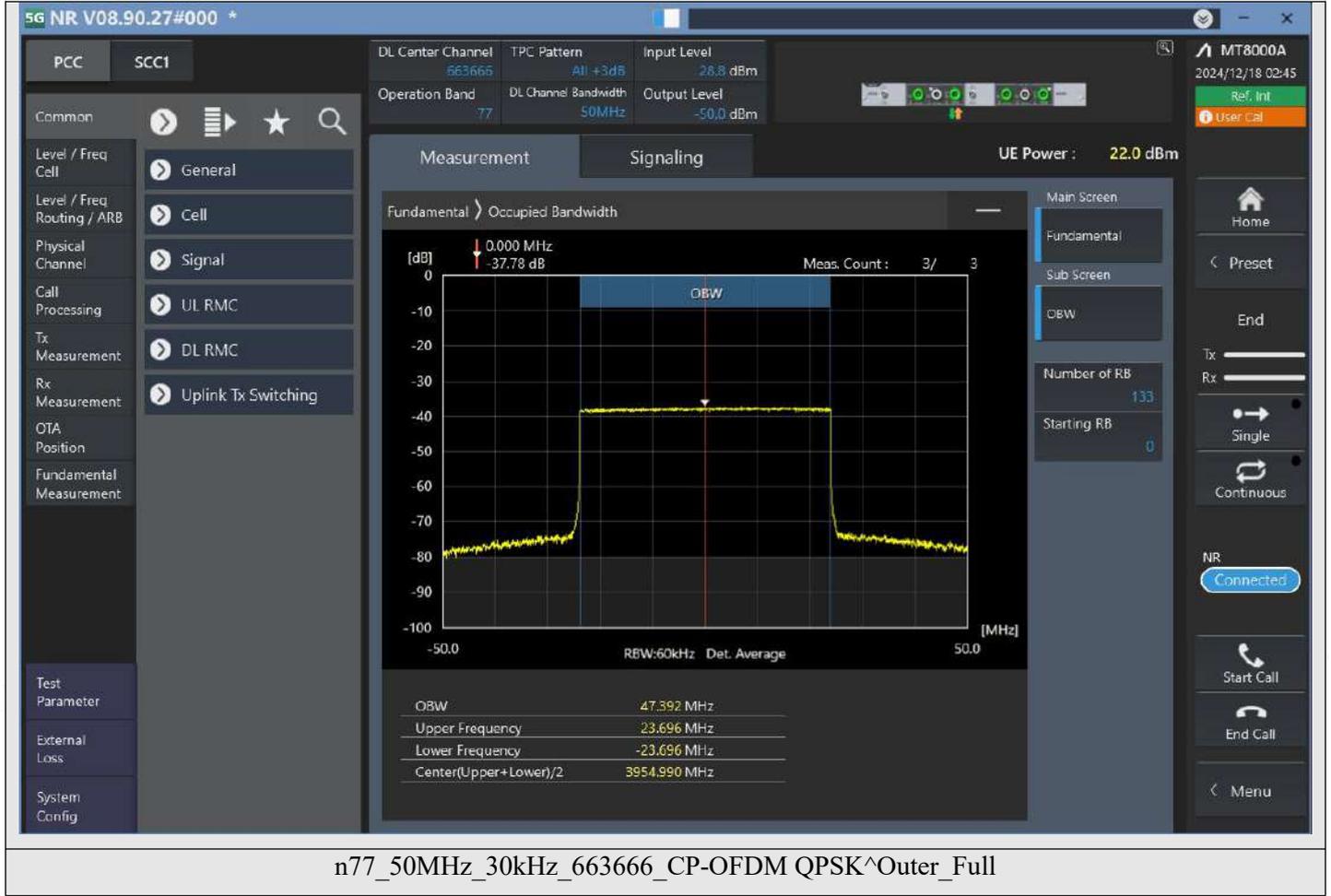


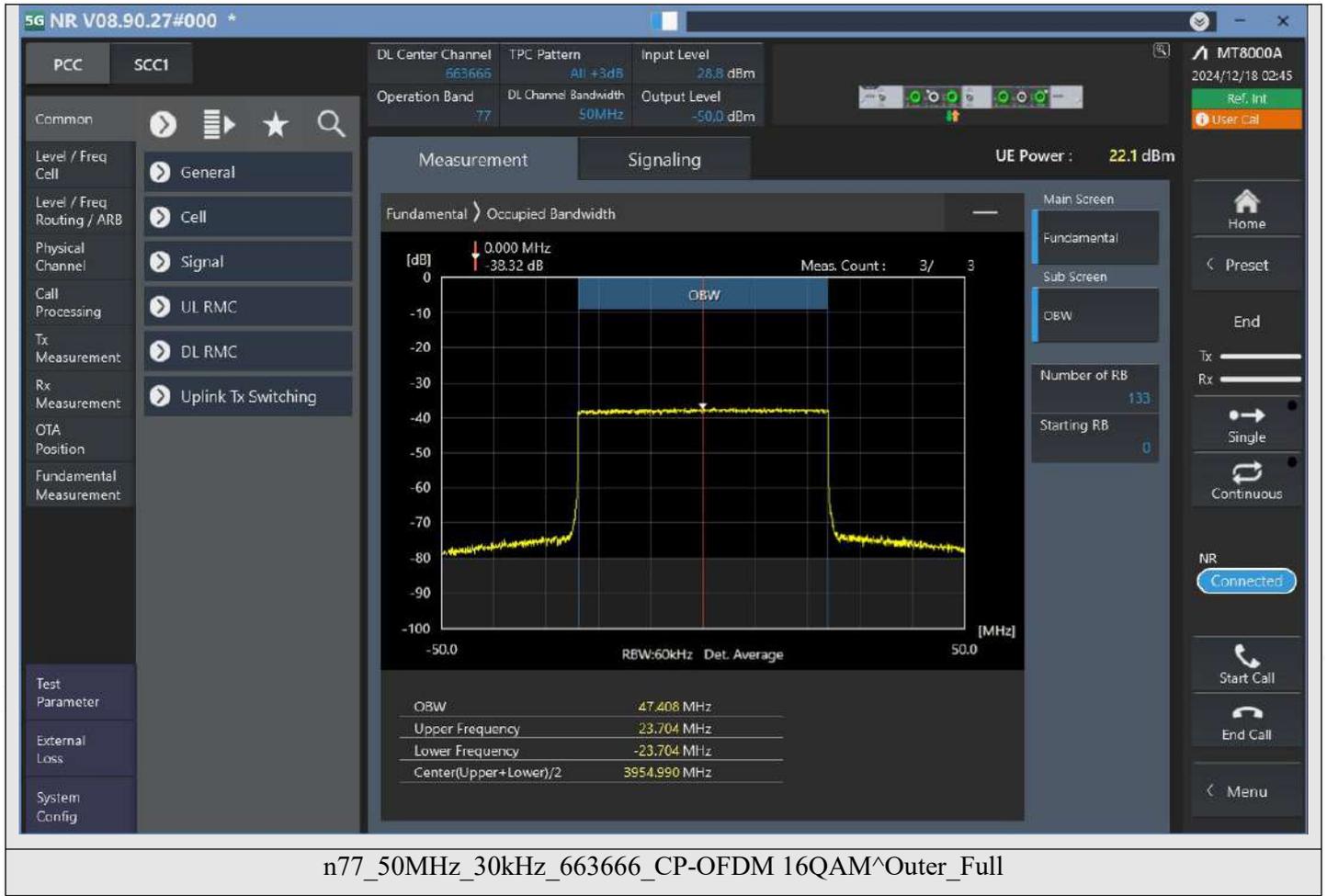




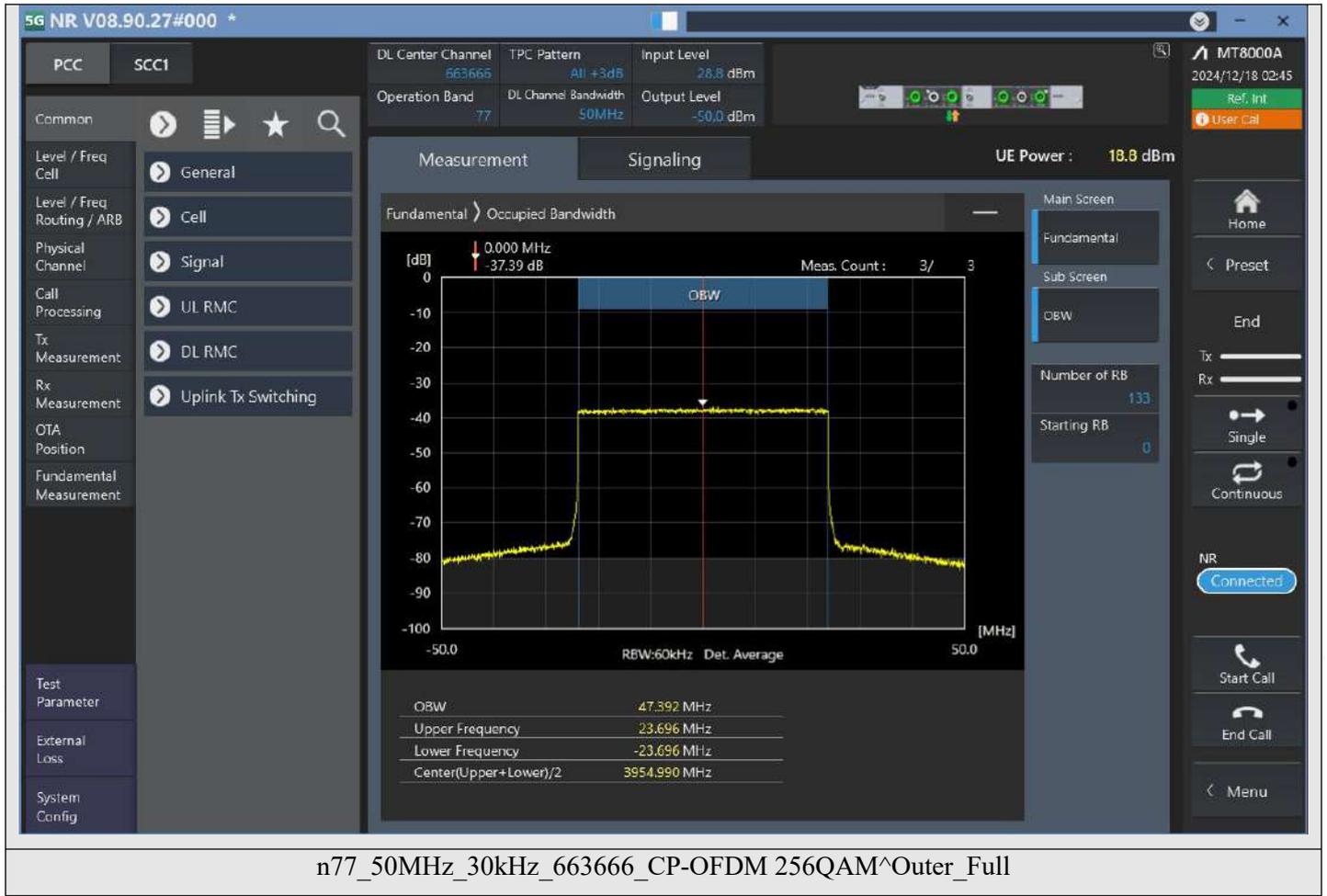


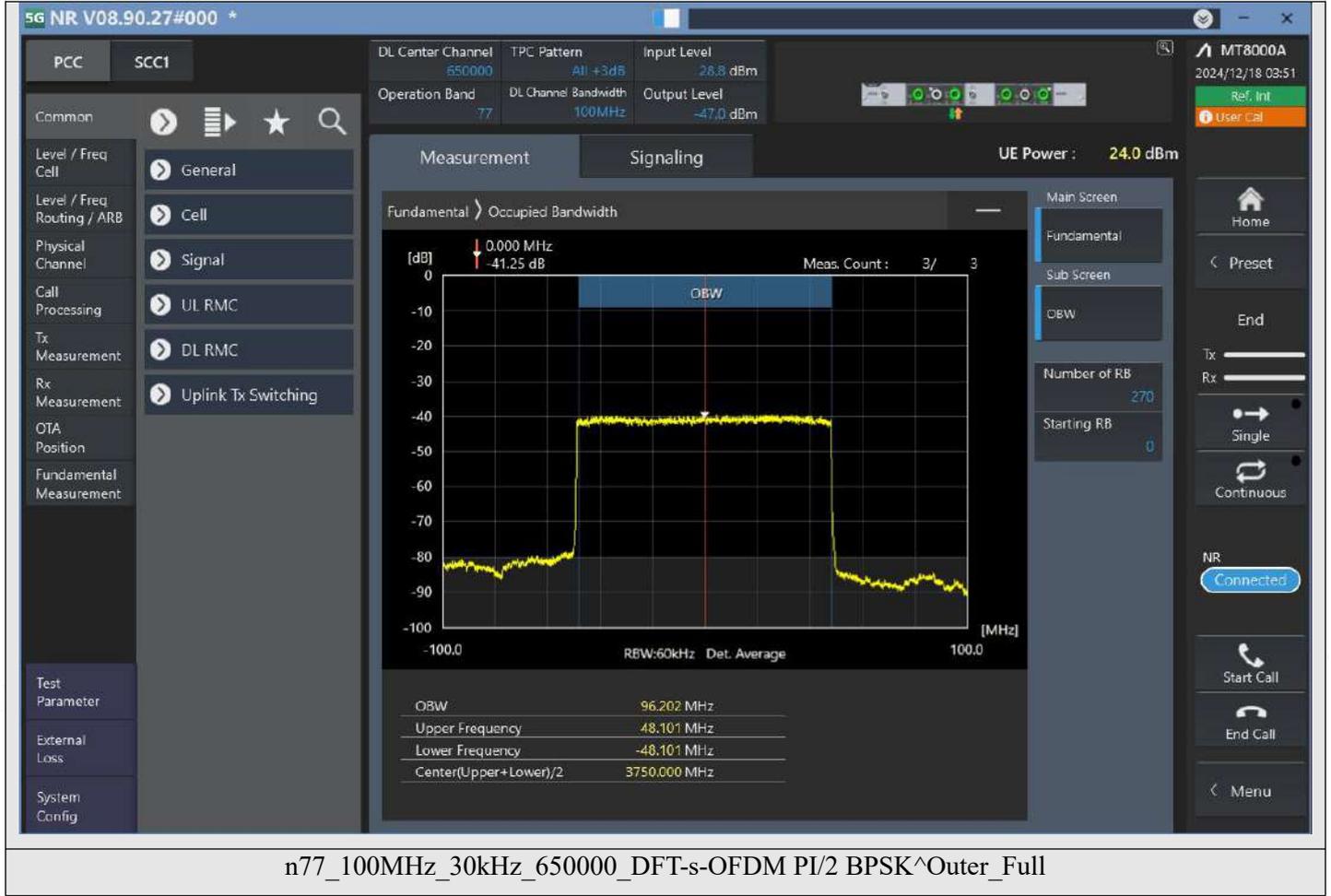


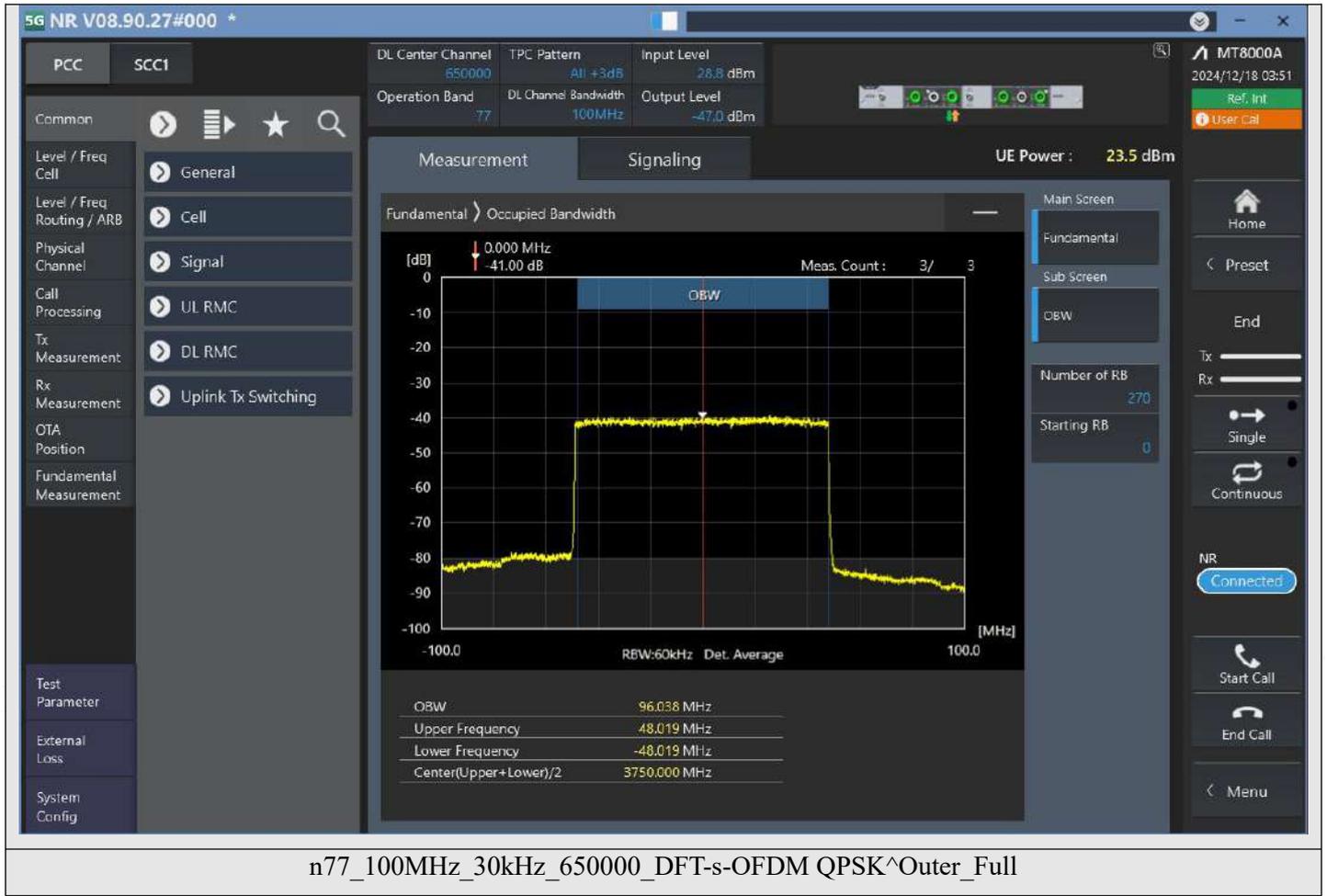












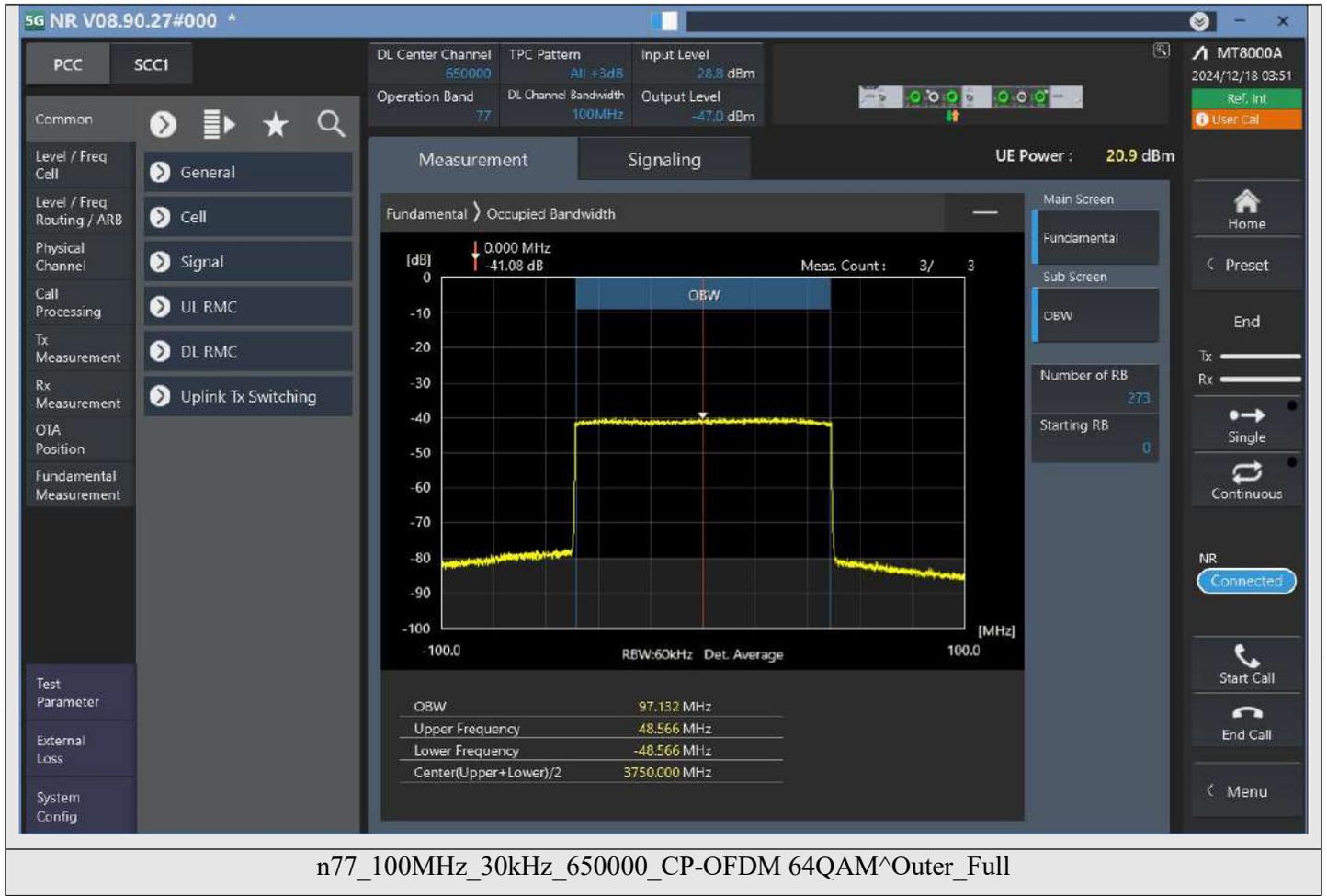




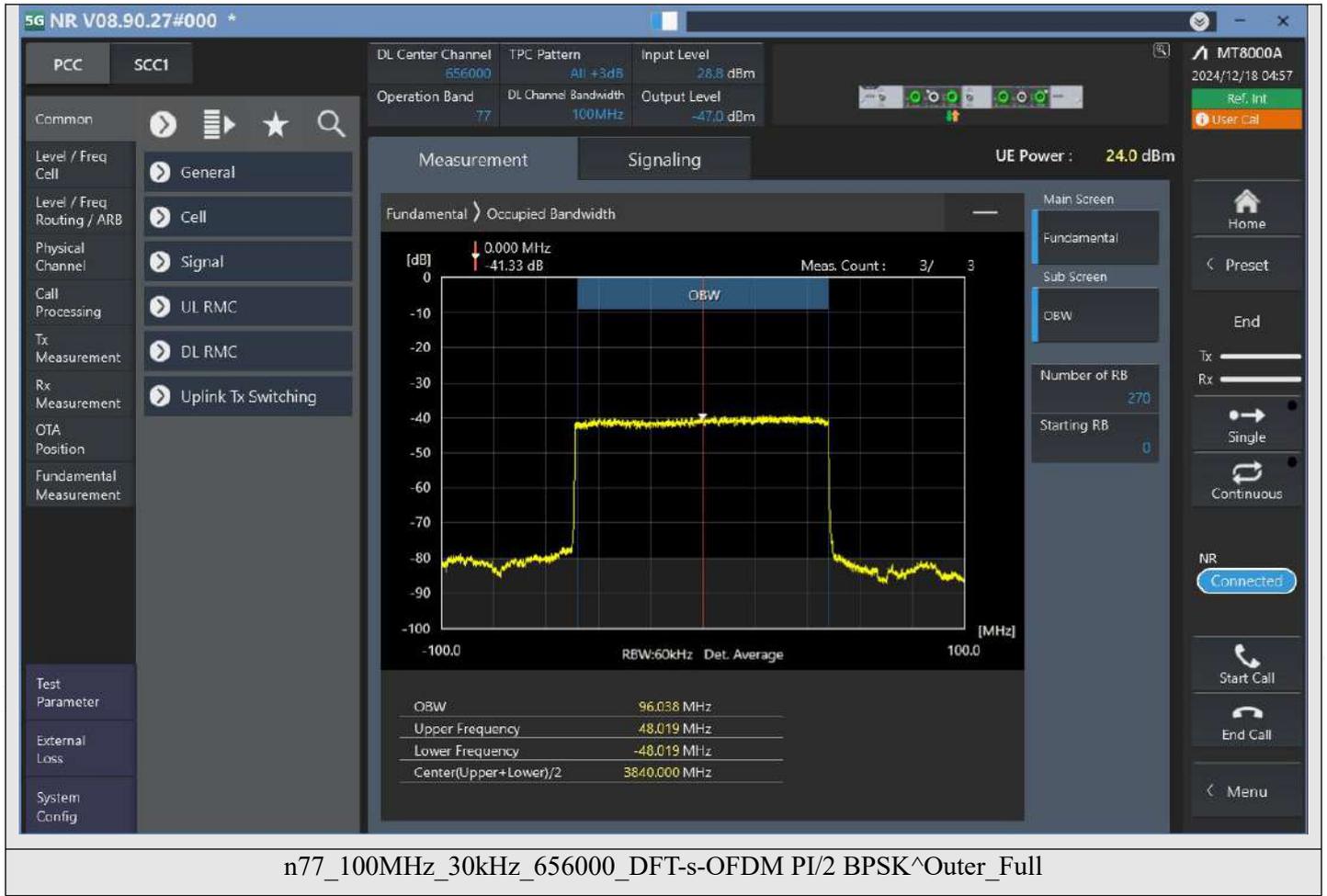


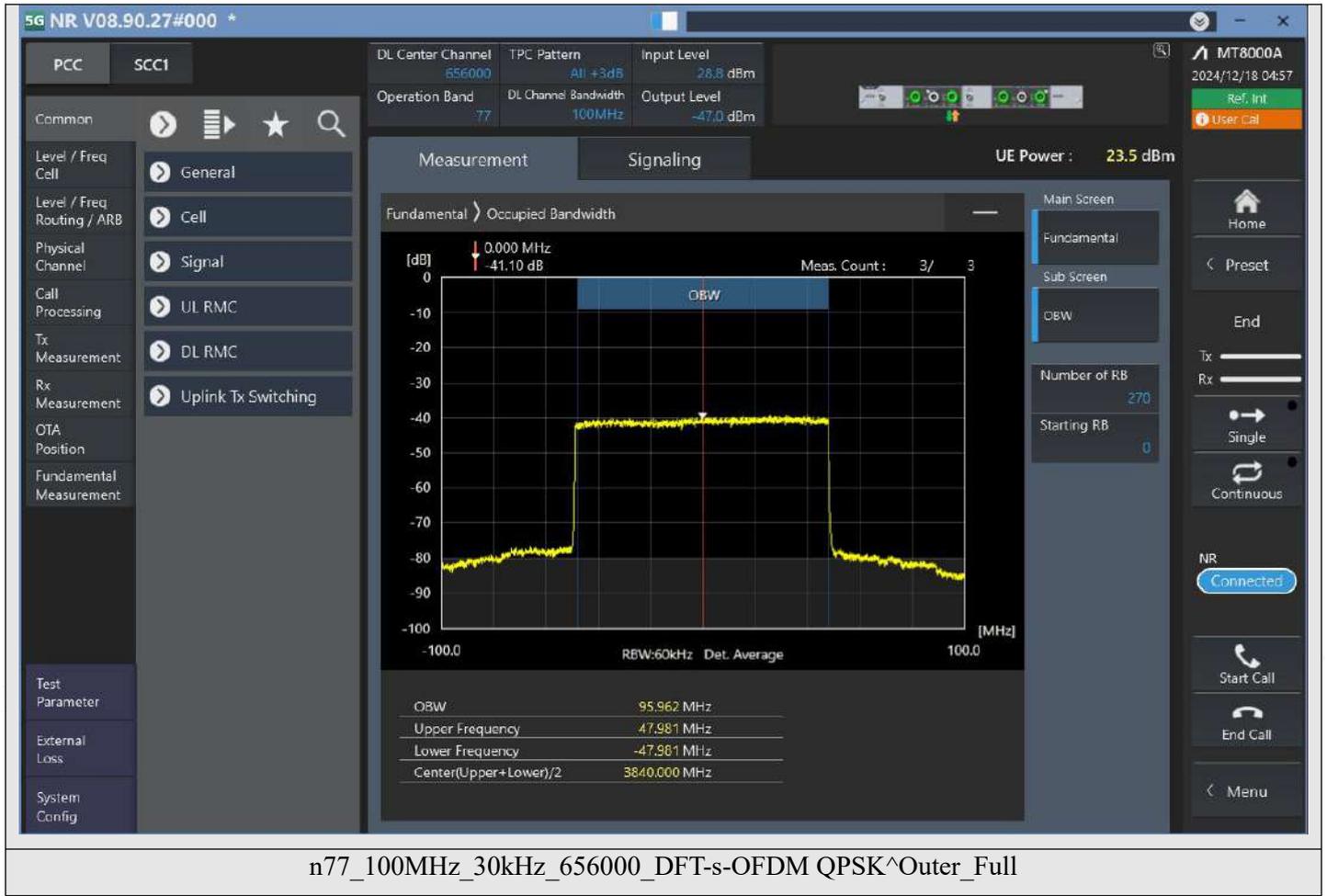














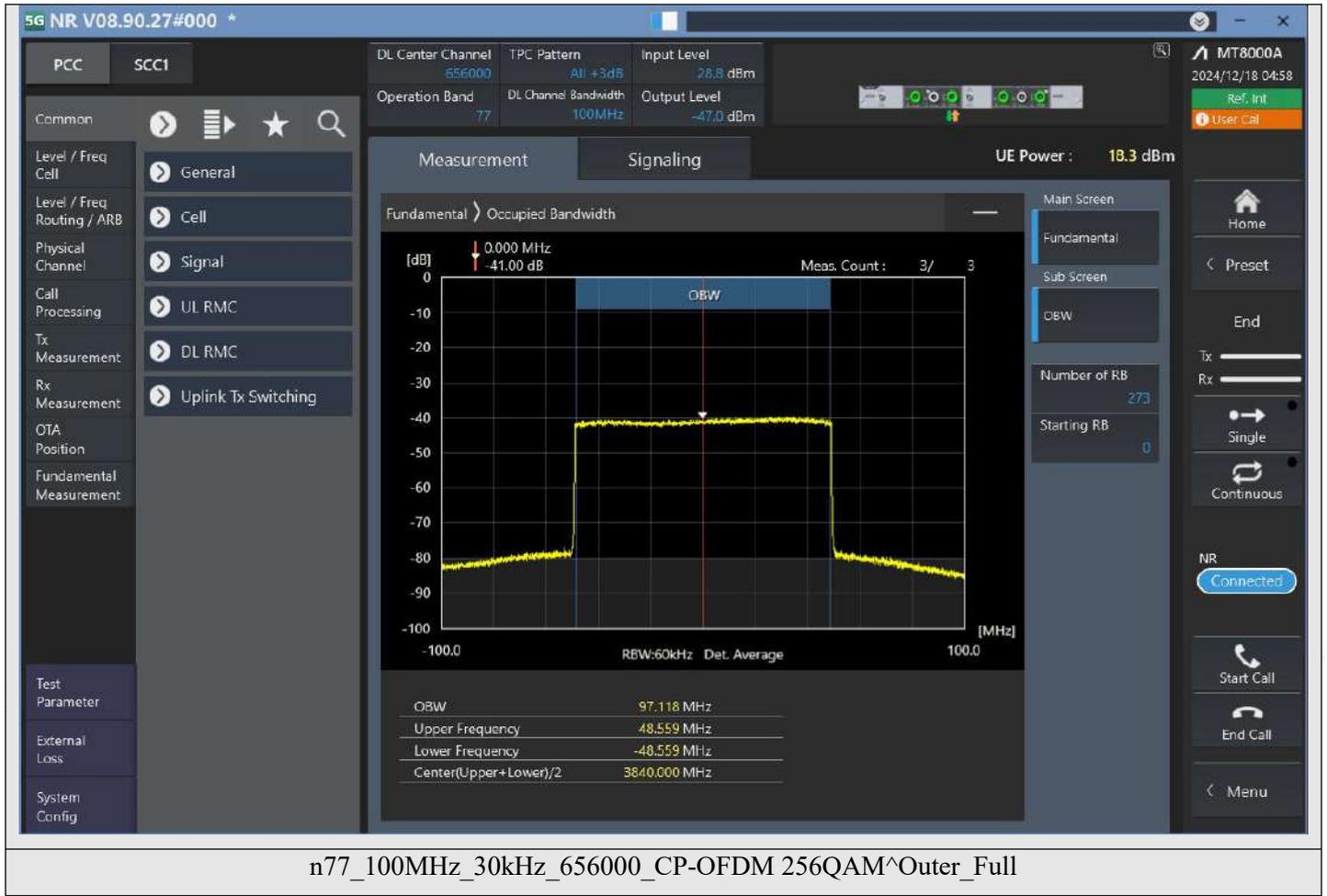


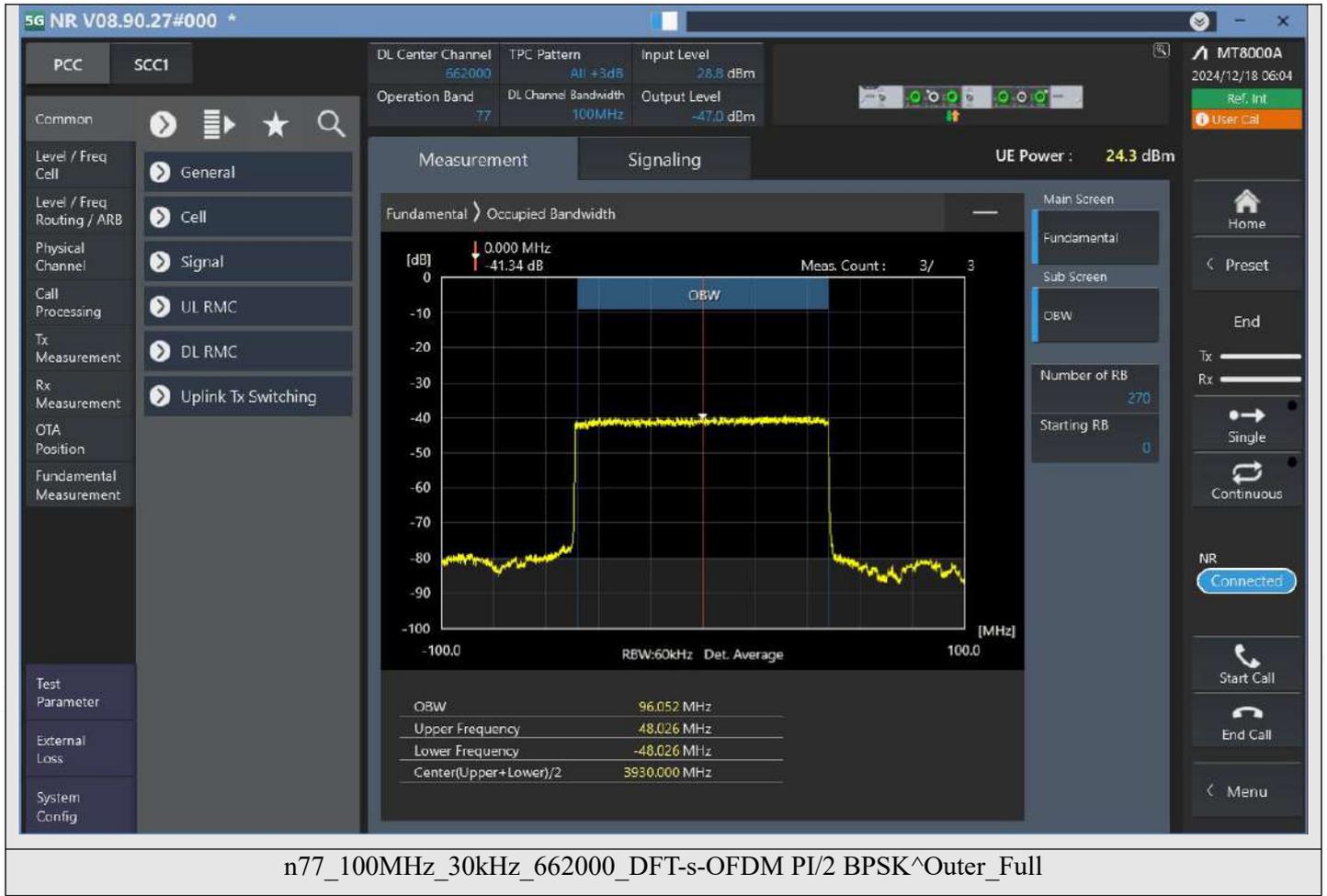
















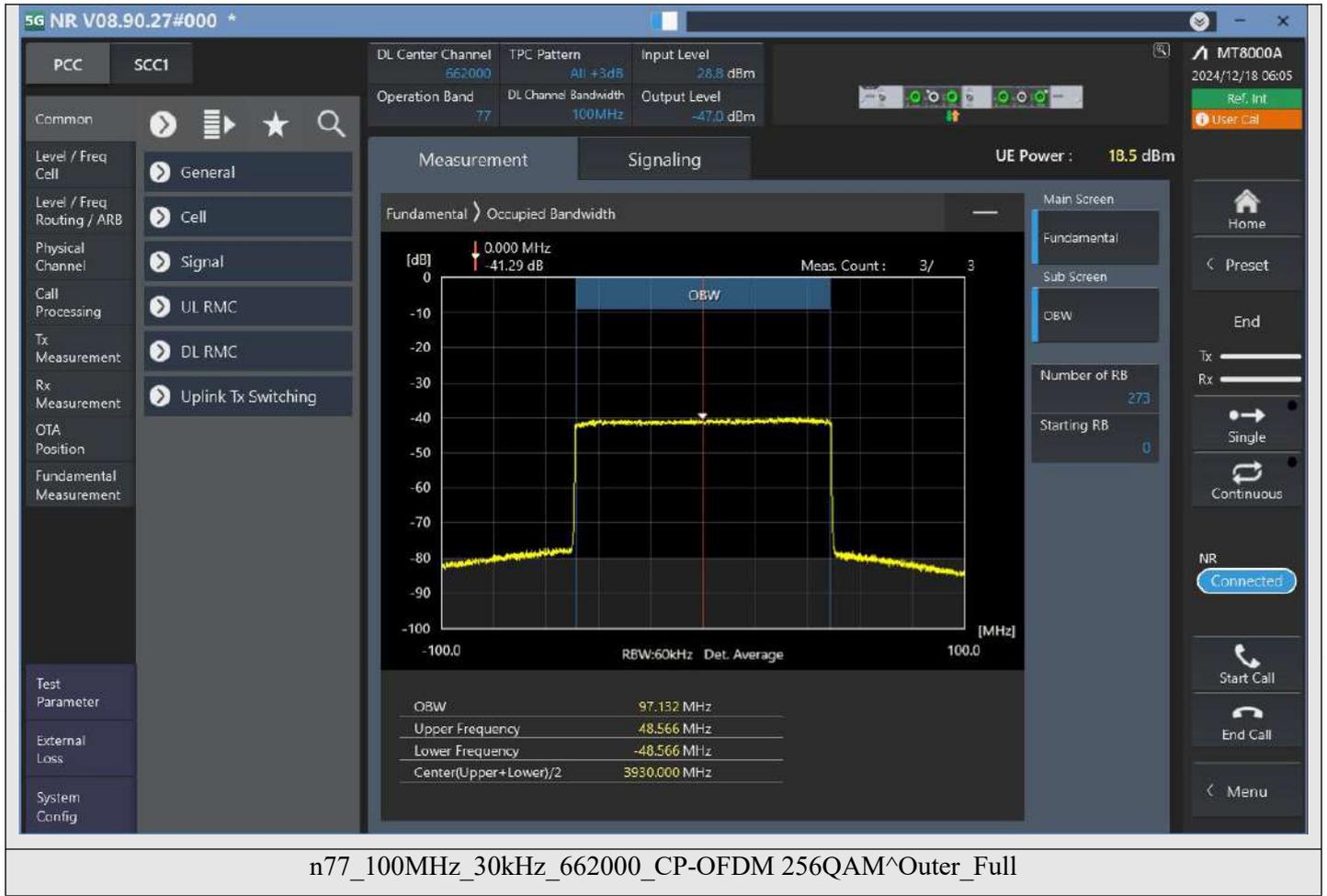














## R.4 Emission bandwidth

### TestResult

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	LowLimit	UpLimit	Result
n77	20MHz	30kHz	647334	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	18.475	0.00	20.00	PASS
n77	20MHz	30kHz	647334	2	DFT-s-OFDM QPSK^Outer_Full	18.450	0.00	20.00	PASS
n77	20MHz	30kHz	647334	3	DFT-s-OFDM 16QAM^Outer_Full	18.325	0.00	20.00	PASS
n77	20MHz	30kHz	647334	4	DFT-s-OFDM 64QAM^Outer_Full	18.450	0.00	20.00	PASS
n77	20MHz	30kHz	647334	5	DFT-s-OFDM 256QAM^Outer_Full	18.425	0.00	20.00	PASS
n77	20MHz	30kHz	647334	6	CP-OFDM QPSK^Outer_Full	18.825	0.00	20.00	PASS
n77	20MHz	30kHz	647334	7	CP-OFDM 16QAM^Outer_Full	18.725	0.00	20.00	PASS
n77	20MHz	30kHz	647334	8	CP-OFDM 64QAM^Outer_Full	18.775	0.00	20.00	PASS
n77	20MHz	30kHz	647334	9	CP-OFDM 256QAM^Outer_Full	18.750	0.00	20.00	PASS
n77	20MHz	30kHz	656000	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	18.450	0.00	20.00	PASS
n77	20MHz	30kHz	656000	2	DFT-s-OFDM QPSK^Outer_Full	18.375	0.00	20.00	PASS
n77	20MHz	30kHz	656000	3	DFT-s-OFDM 16QAM^Outer_Full	18.325	0.00	20.00	PASS
n77	20MHz	30kHz	656000	4	DFT-s-OFDM 64QAM^Outer_Full	18.375	0.00	20.00	PASS
n77	20MHz	30kHz	656000	5	DFT-s-OFDM 256QAM^Outer_Full	18.375	0.00	20.00	PASS
n77	20MHz	30kHz	656000	6	CP-OFDM QPSK^Outer_Full	18.850	0.00	20.00	PASS
n77	20MHz	30kHz	656000	7	CP-OFDM 16QAM^Outer_Full	18.750	0.00	20.00	PASS
n77	20MHz	30kHz	656000	8	CP-OFDM 64QAM^Outer_Full	18.775	0.00	20.00	PASS
n77	20MHz	30kHz	656000	9	CP-OFDM 256QAM^Outer_Full	18.800	0.00	20.00	PASS
n77	20MHz	30kHz	664666	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	18.375	0.00	20.00	PASS
n77	20MHz	30kHz	664666	2	DFT-s-OFDM QPSK^Outer_Full	18.400	0.00	20.00	PASS
n77	20MHz	30kHz	664666	3	DFT-s-OFDM 16QAM^Outer_Full	18.400	0.00	20.00	PASS
n77	20MHz	30kHz	664666	4	DFT-s-OFDM 64QAM^Outer_Full	18.400	0.00	20.00	PASS
n77	20MHz	30kHz	664666	5	DFT-s-OFDM 256QAM^Outer_Full	18.425	0.00	20.00	PASS
n77	20MHz	30kHz	664666	6	CP-OFDM QPSK^Outer_Full	18.825	0.00	20.00	PASS
n77	20MHz	30kHz	664666	7	CP-OFDM 16QAM^Outer_Full	18.850	0.00	20.00	PASS
n77	20MHz	30kHz	664666	8	CP-OFDM 64QAM^Outer_Full	18.875	0.00	20.00	PASS
n77	20MHz	30kHz	664666	9	CP-OFDM 256QAM^Outer_Full	18.750	0.00	20.00	PASS
n77	50MHz	30kHz	648334	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	46.515	0.00	50.00	PASS
n77	50MHz	30kHz	648334	2	DFT-s-OFDM QPSK^Outer_Full	46.485	0.00	50.00	PASS
n77	50MHz	30kHz	648334	3	DFT-s-OFDM 16QAM^Outer_Full	46.455	0.00	50.00	PASS
n77	50MHz	30kHz	648334	4	DFT-s-OFDM 64QAM^Outer_Full	46.575	0.00	50.00	PASS
n77	50MHz	30kHz	648334	5	DFT-s-OFDM 256QAM^Outer_Full	46.515	0.00	50.00	PASS
n77	50MHz	30kHz	648334	6	CP-OFDM QPSK^Outer_Full	48.375	0.00	50.00	PASS
n77	50MHz	30kHz	648334	7	CP-OFDM 16QAM^Outer_Full	48.285	0.00	50.00	PASS
n77	50MHz	30kHz	648334	8	CP-OFDM 64QAM^Outer_Full	48.345	0.00	50.00	PASS
n77	50MHz	30kHz	648334	9	CP-OFDM 256QAM^Outer_Full	48.315	0.00	50.00	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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n77	50MHz	30kHz	656000	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	46.545	0.00	50.00	PASS
n77	50MHz	30kHz	656000	2	DFT-s-OFDM QPSK^Outer_Full	46.515	0.00	50.00	PASS
n77	50MHz	30kHz	656000	3	DFT-s-OFDM 16QAM^Outer_Full	46.545	0.00	50.00	PASS
n77	50MHz	30kHz	656000	4	DFT-s-OFDM 64QAM^Outer_Full	46.545	0.00	50.00	PASS
n77	50MHz	30kHz	656000	5	DFT-s-OFDM 256QAM^Outer_Full	46.545	0.00	50.00	PASS
n77	50MHz	30kHz	656000	6	CP-OFDM QPSK^Outer_Full	48.375	0.00	50.00	PASS
n77	50MHz	30kHz	656000	7	CP-OFDM 16QAM^Outer_Full	48.375	0.00	50.00	PASS
n77	50MHz	30kHz	656000	8	CP-OFDM 64QAM^Outer_Full	48.345	0.00	50.00	PASS
n77	50MHz	30kHz	656000	9	CP-OFDM 256QAM^Outer_Full	48.345	0.00	50.00	PASS
n77	50MHz	30kHz	663666	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	46.545	0.00	50.00	PASS
n77	50MHz	30kHz	663666	2	DFT-s-OFDM QPSK^Outer_Full	46.455	0.00	50.00	PASS
n77	50MHz	30kHz	663666	3	DFT-s-OFDM 16QAM^Outer_Full	46.455	0.00	50.00	PASS
n77	50MHz	30kHz	663666	4	DFT-s-OFDM 64QAM^Outer_Full	46.575	0.00	50.00	PASS
n77	50MHz	30kHz	663666	5	DFT-s-OFDM 256QAM^Outer_Full	46.485	0.00	50.00	PASS
n77	50MHz	30kHz	663666	6	CP-OFDM QPSK^Outer_Full	48.375	0.00	50.00	PASS
n77	50MHz	30kHz	663666	7	CP-OFDM 16QAM^Outer_Full	48.375	0.00	50.00	PASS
n77	50MHz	30kHz	663666	8	CP-OFDM 64QAM^Outer_Full	48.435	0.00	50.00	PASS
n77	50MHz	30kHz	663666	9	CP-OFDM 256QAM^Outer_Full	48.315	0.00	50.00	PASS
n77	100MHz	30kHz	650000	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	97.642	0.00	100.00	PASS
n77	100MHz	30kHz	650000	2	DFT-s-OFDM QPSK^Outer_Full	97.642	0.00	100.00	PASS
n77	100MHz	30kHz	650000	3	DFT-s-OFDM 16QAM^Outer_Full	97.732	0.00	100.00	PASS
n77	100MHz	30kHz	650000	4	DFT-s-OFDM 64QAM^Outer_Full	97.582	0.00	100.00	PASS
n77	100MHz	30kHz	650000	5	DFT-s-OFDM 256QAM^Outer_Full	97.612	0.00	100.00	PASS
n77	100MHz	30kHz	650000	6	CP-OFDM QPSK^Outer_Full	98.722	0.00	100.00	PASS
n77	100MHz	30kHz	650000	7	CP-OFDM 16QAM^Outer_Full	98.662	0.00	100.00	PASS
n77	100MHz	30kHz	650000	8	CP-OFDM 64QAM^Outer_Full	98.662	0.00	100.00	PASS
n77	100MHz	30kHz	650000	9	CP-OFDM 256QAM^Outer_Full	98.632	0.00	100.00	PASS
n77	100MHz	30kHz	656000	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	97.672	0.00	100.00	PASS
n77	100MHz	30kHz	656000	2	DFT-s-OFDM QPSK^Outer_Full	97.702	0.00	100.00	PASS
n77	100MHz	30kHz	656000	3	DFT-s-OFDM 16QAM^Outer_Full	97.702	0.00	100.00	PASS
n77	100MHz	30kHz	656000	4	DFT-s-OFDM 64QAM^Outer_Full	97.612	0.00	100.00	PASS
n77	100MHz	30kHz	656000	5	DFT-s-OFDM 256QAM^Outer_Full	97.582	0.00	100.00	PASS
n77	100MHz	30kHz	656000	6	CP-OFDM QPSK^Outer_Full	98.722	0.00	100.00	PASS
n77	100MHz	30kHz	656000	7	CP-OFDM 16QAM^Outer_Full	98.662	0.00	100.00	PASS
n77	100MHz	30kHz	656000	8	CP-OFDM 64QAM^Outer_Full	98.692	0.00	100.00	PASS
n77	100MHz	30kHz	656000	9	CP-OFDM 256QAM^Outer_Full	98.632	0.00	100.00	PASS
n77	100MHz	30kHz	662000	1	DFT-s-OFDM PI/2 BPSK^Outer_Full	97.672	0.00	100.00	PASS
n77	100MHz	30kHz	662000	2	DFT-s-OFDM QPSK^Outer_Full	97.672	0.00	100.00	PASS
n77	100MHz	30kHz	662000	3	DFT-s-OFDM 16QAM^Outer_Full	97.762	0.00	100.00	PASS
n77	100MHz	30kHz	662000	4	DFT-s-OFDM 64QAM^Outer_Full	97.612	0.00	100.00	PASS
n77	100MHz	30kHz	662000	5	DFT-s-OFDM 256QAM^Outer_Full	97.582	0.00	100.00	PASS
n77	100MHz	30kHz	662000	6	CP-OFDM QPSK^Outer_Full	98.722	0.00	100.00	PASS
n77	100MHz	30kHz	662000	7	CP-OFDM 16QAM^Outer_Full	98.692	0.00	100.00	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



n77	100MHz	30kHz	662000	8	CP-OFDM 64QAM^Outer_Full	98.662	0.00	100.00	PASS
n77	100MHz	30kHz	662000	9	CP-OFDM 256QAM^Outer_Full	98.602	0.00	100.00	PASS

### TestGraph

