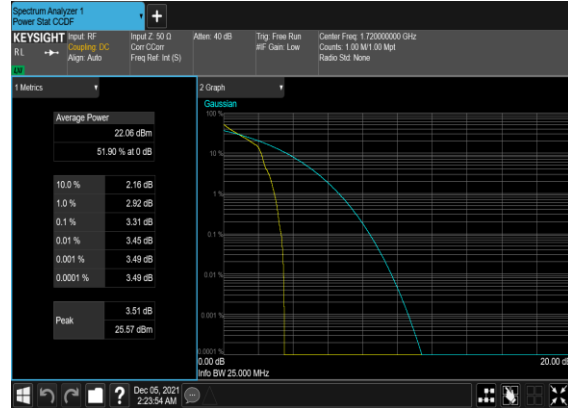


B2_N66(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Low_CH



B2_N66(20M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Low_CH



B2_N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



B2_N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N66(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



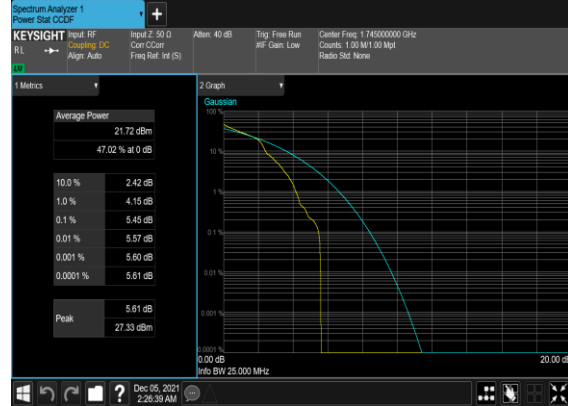
B2_N66(20M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Mid_CH



B2_N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



B2_N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N66(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_High_CH



B2_N66(20M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_High_CH



B2_N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



B2_N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

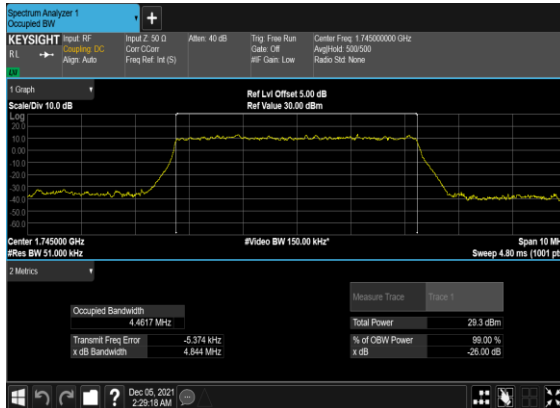


Occupied Bandwidth

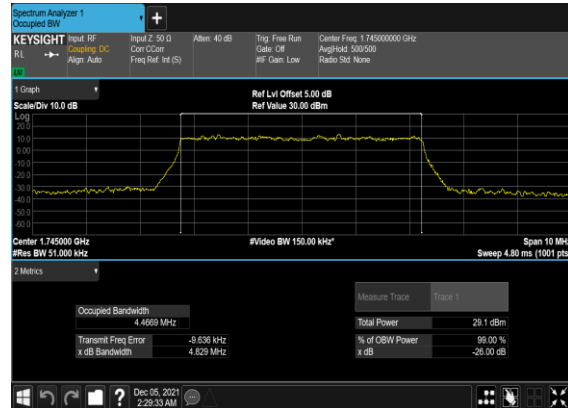
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
66	15	5	429000	1745.0	DFT-s-OFDM PI/2 BPSK	25@0	4.4617	4.844
66	15	5	429000	1745.0	DFT-s-OFDM QPSK	25@0	4.4669	4.829
66	15	5	429000	1745.0	CP-OFDM QPSK	25@0	4.477	4.889
66	15	5	429000	1745.0	CP-OFDM 16 QAM	25@0	4.472	4.911
66	15	5	429000	1745.0	CP-OFDM 64 QAM	25@0	4.4776	4.923
66	15	5	429000	1745.0	CP-OFDM 256 QAM	25@0	4.4688	4.953
66	15	10	429000	1745.0	DFT-s-OFDM PI/2 BPSK	50@0	8.8944	9.491
66	15	10	429000	1745.0	DFT-s-OFDM QPSK	50@0	8.9114	9.538
66	15	10	429000	1745.0	CP-OFDM QPSK	52@0	9.2792	10.0
66	15	10	429000	1745.0	CP-OFDM 16 QAM	52@0	9.2615	9.87
66	15	10	429000	1745.0	CP-OFDM 64 QAM	52@0	9.2693	9.87
66	15	10	429000	1745.0	CP-OFDM 256 QAM	52@0	9.2964	9.905
66	15	15	429000	1745.0	DFT-s-OFDM PI/2 BPSK	75@0	13.398	14.11
66	15	15	429000	1745.0	DFT-s-OFDM QPSK	75@0	13.38	14.14
66	15	15	429000	1745.0	CP-OFDM QPSK	79@0	14.083	14.87
66	15	15	429000	1745.0	CP-OFDM 16 QAM	79@0	14.113	14.8
66	15	15	429000	1745.0	CP-OFDM 64 QAM	79@0	14.107	14.78
66	15	15	429000	1745.0	CP-OFDM 256 QAM	79@0	14.098	14.87
66	15	20	429000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	17.873	18.75
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	17.868	18.71
66	15	20	429000	1745.0	CP-OFDM QPSK	106@0	18.909	19.87
66	15	20	429000	1745.0	CP-OFDM 16 QAM	106@0	18.927	19.86
66	15	20	429000	1745.0	CP-OFDM 64 QAM	106@0	18.93	19.79
66	15	20	429000	1745.0	CP-OFDM 256 QAM	106@0	19.0	19.88
66	15	40	429000	1745.0	DFT-s-OFDM PI/2 BPSK	216@0	38.632	39.97

66	15	40	429000	1745.0	DFT-s-OFDM QPSK	216@0	38.738	39.96
66	15	40	429000	1745.0	CP-OFDM QPSK	216@0	38.603	39.96
66	15	40	429000	1745.0	CP-OFDM 16 QAM	216@0	38.567	39.96
66	15	40	429000	1745.0	CP-OFDM 64 QAM	216@0	38.61	39.86
66	15	40	429000	1745.0	CP-OFDM 256 QAM	216@0	38.606	39.99

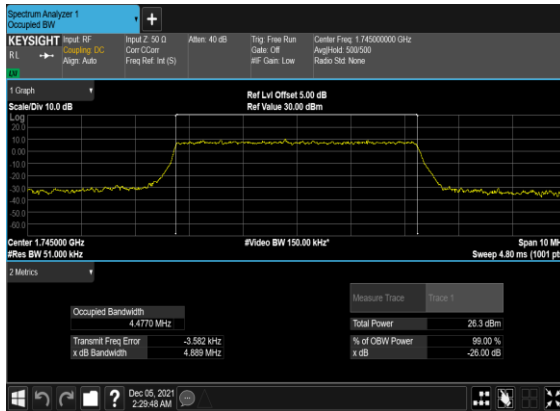
B2_N66(5M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



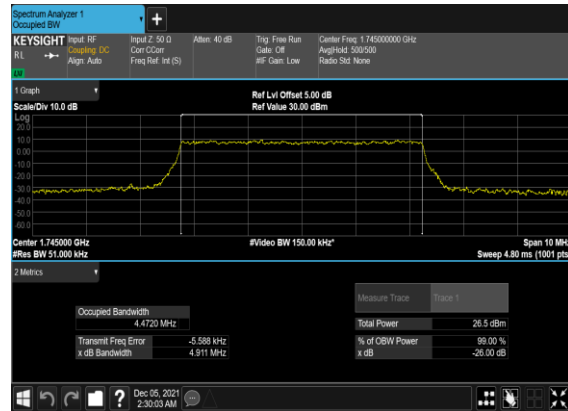
B2_N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



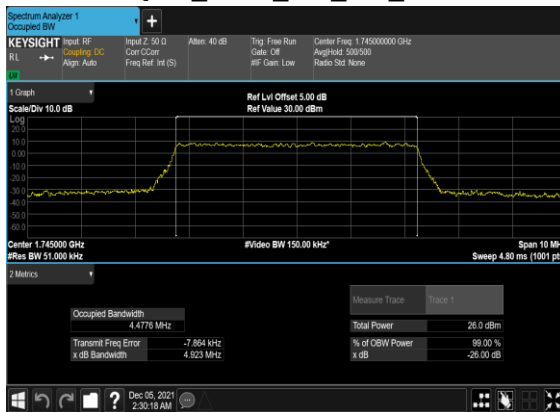
B2_N66(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



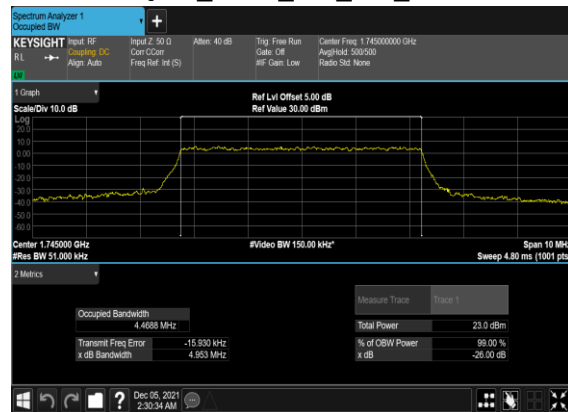
B2_N66(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



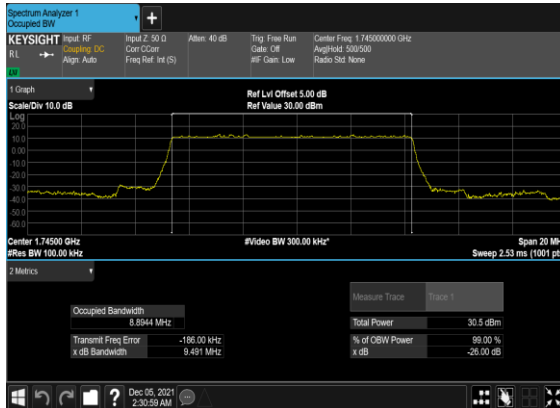
B2_N66(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



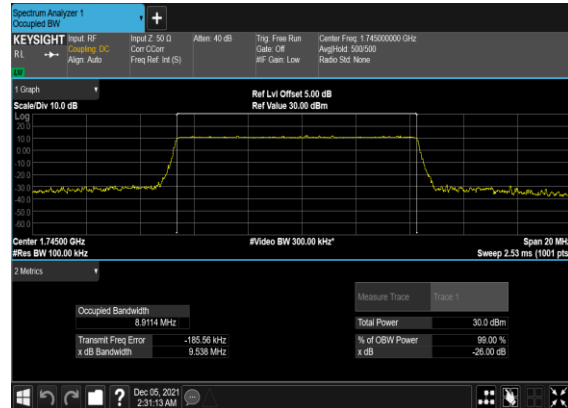
B2_N66(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



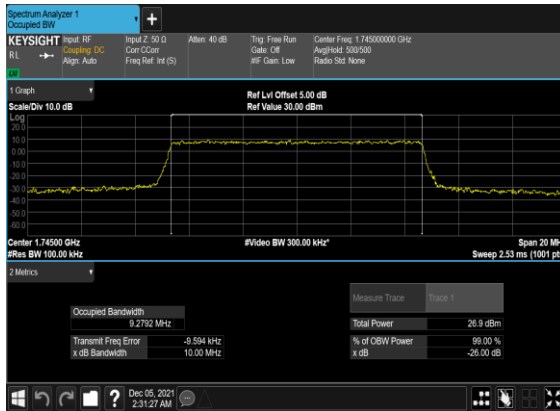
B2_N66(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



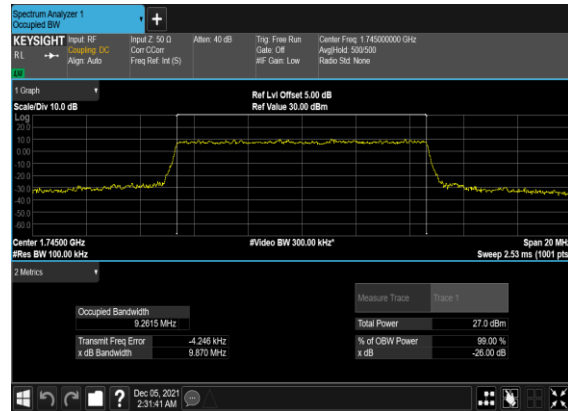
B2_N66(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



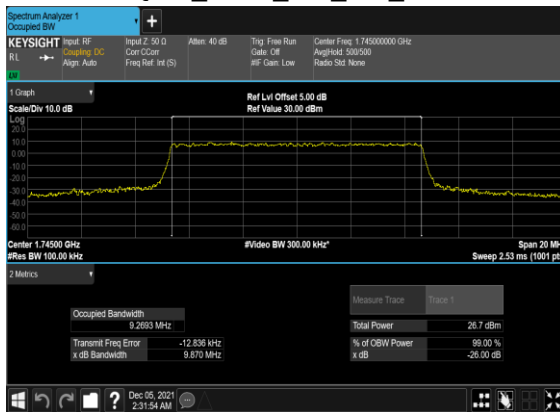
B2_N66(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



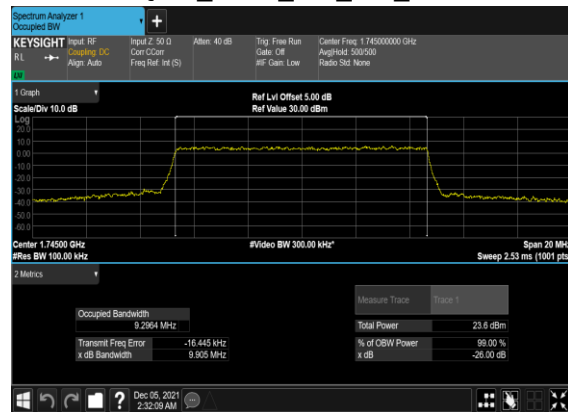
B2_N66(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



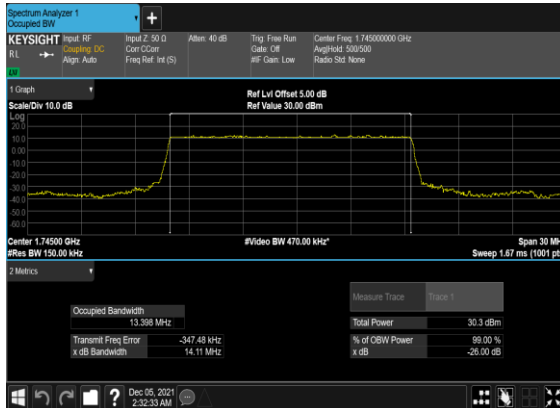
B2_N66(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



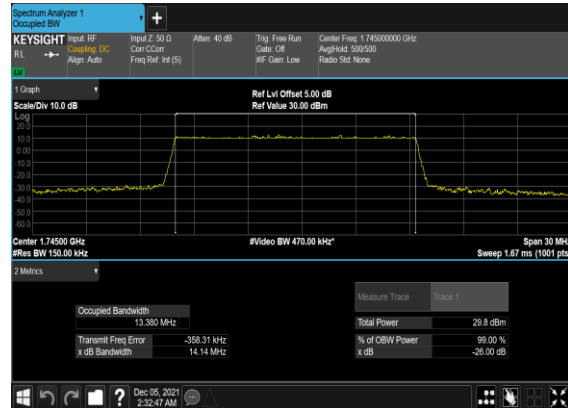
B2_N66(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



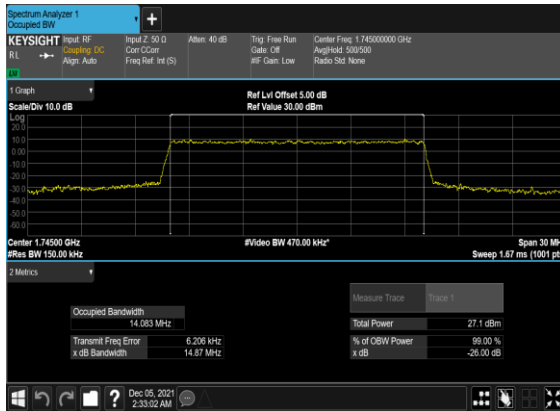
B2_N66(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



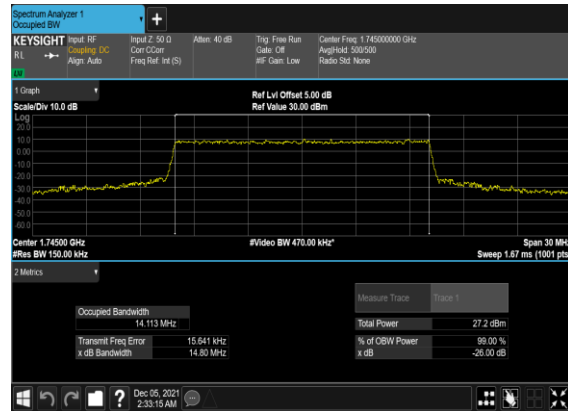
B2_N66(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



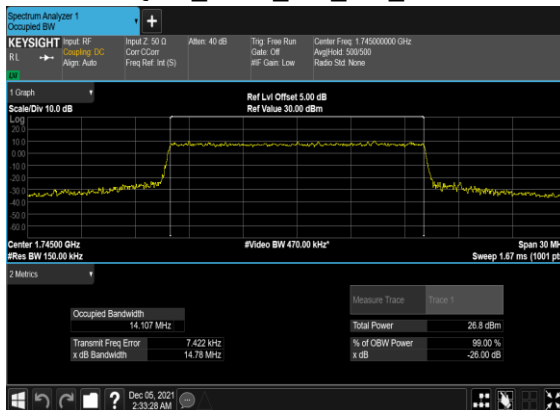
B2_N66(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



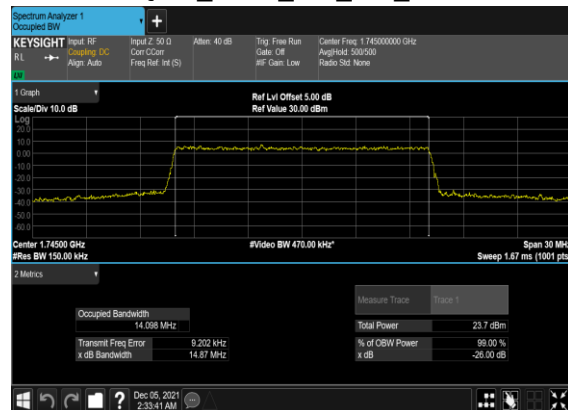
B2_N66(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



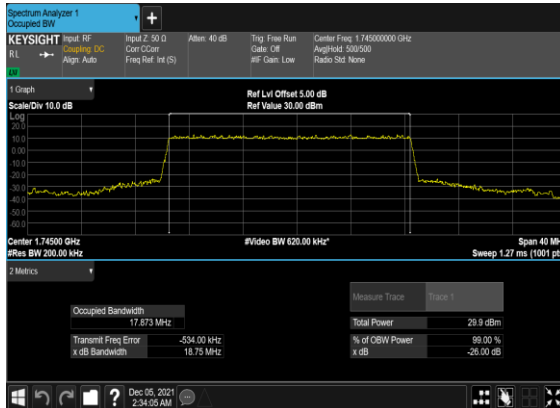
B2_N66(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



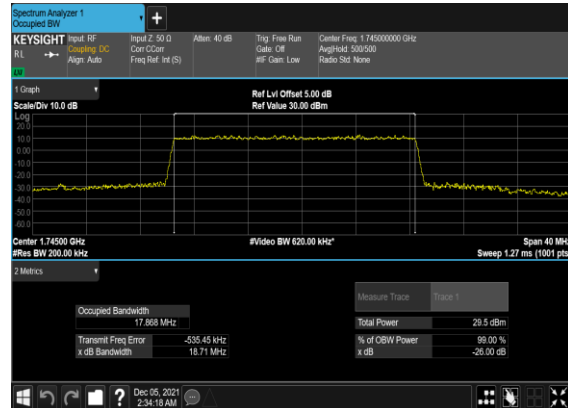
B2_N66(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



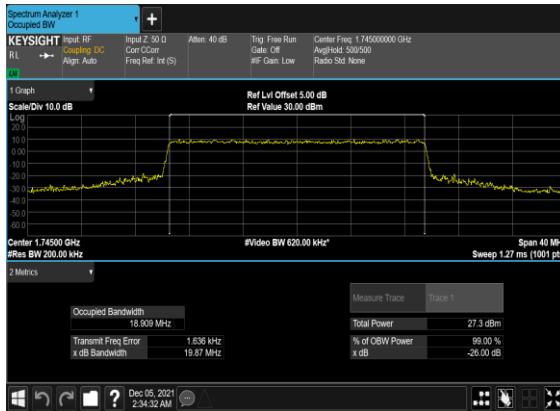
B2_N66(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



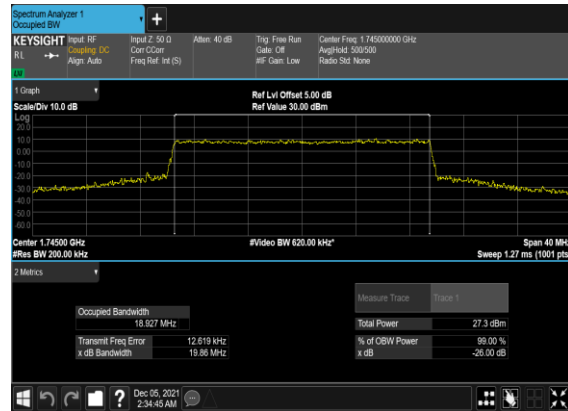
B2_N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



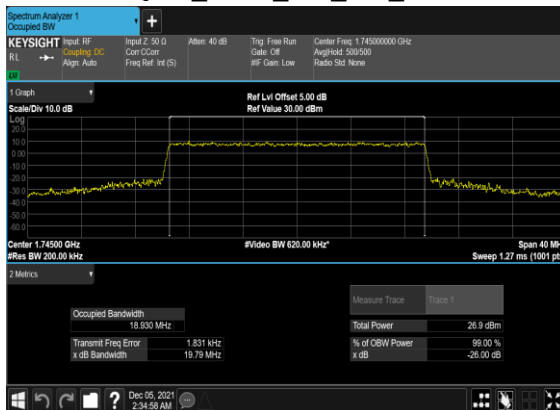
B2_N66(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



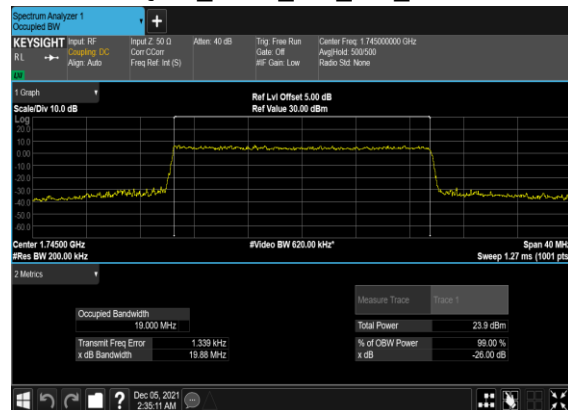
B2_N66(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



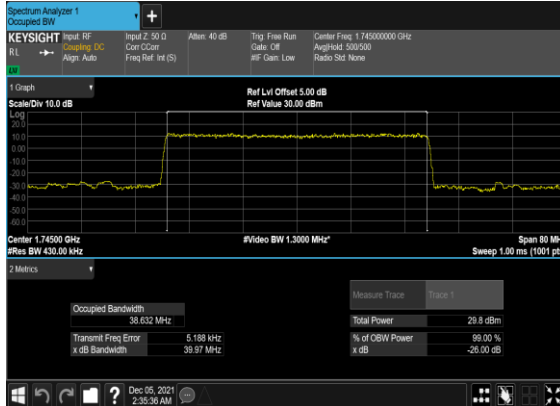
B2_N66(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



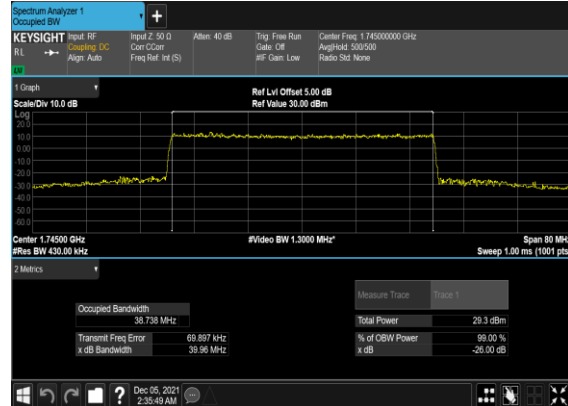
B2_N66(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



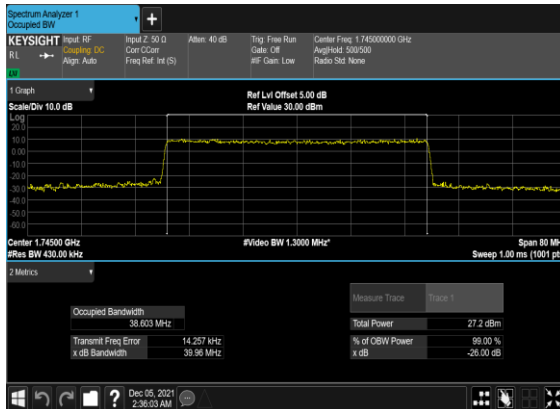
B2_N66(40M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



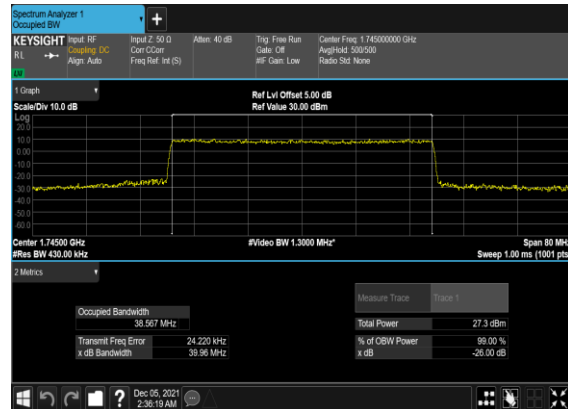
B2_N66(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



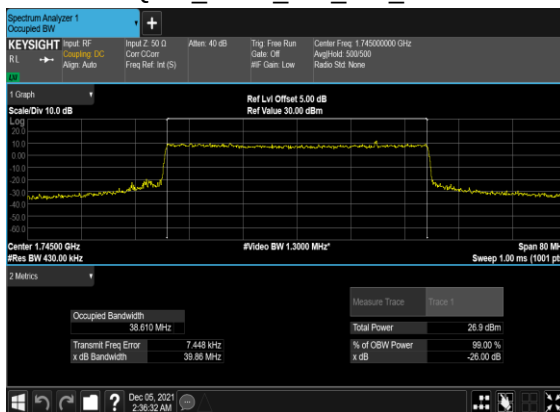
B2_N66(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



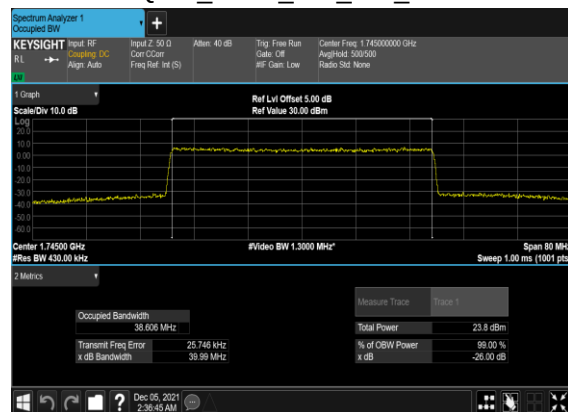
B2_N66(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B2_N66(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



B2_N66(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



Conducted Spurious Emissions

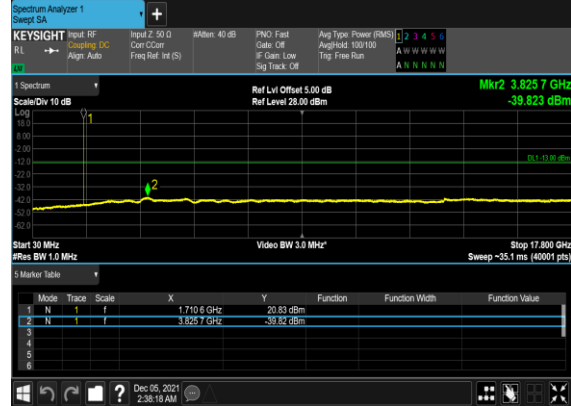
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	422500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	422500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	422500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	422500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	429000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	429000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	435500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	435500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	435500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	435500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	15	423500	1717.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	15	423500	1717.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	15	423500	1717.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	15	423500	1717.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	15	429000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	15	429000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	15	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	15	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	15	434500	1772.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	15	434500	1772.5	DFT-s-OFDM BPSK	1@0	see graph	PASS

66	15	15	434500	1772.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	15	434500	1772.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	426000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	40	426000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	426000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	426000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	429000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	40	429000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	429000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	432000	1760.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	40	432000	1760.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	432000	1760.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	432000	1760.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

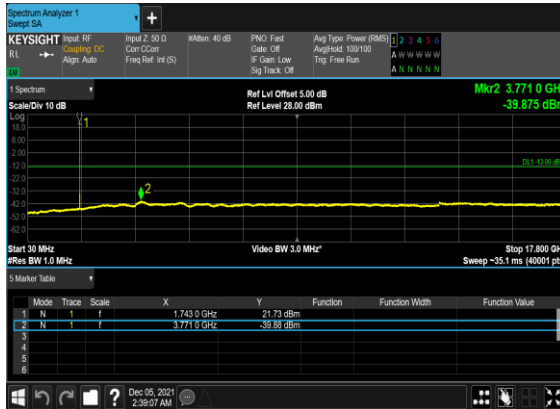
B2_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



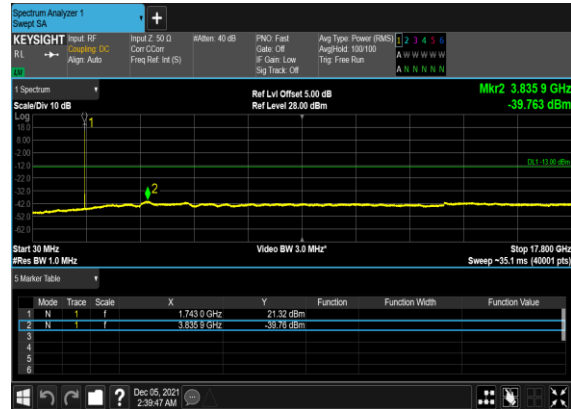
B2_N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



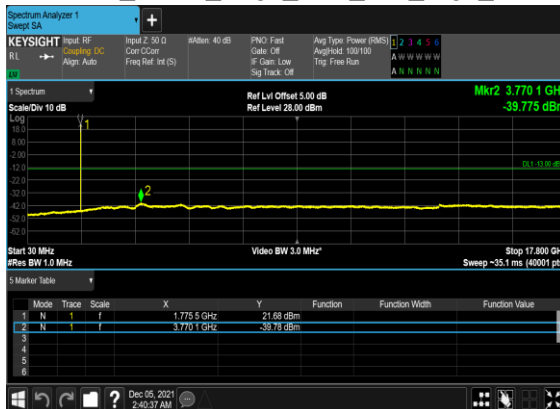
B2_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



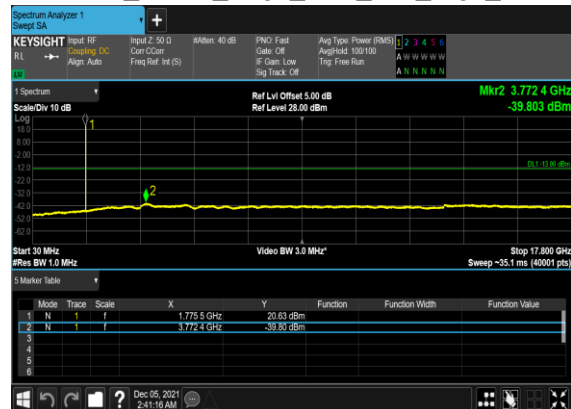
B2_N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



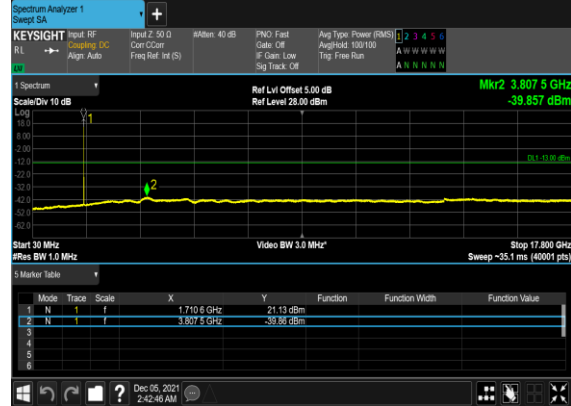
B2_N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



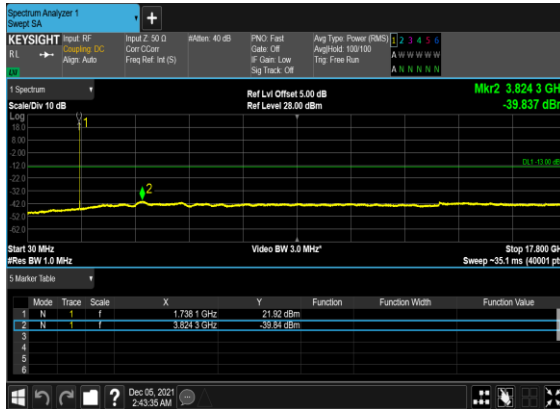
B2_N66(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



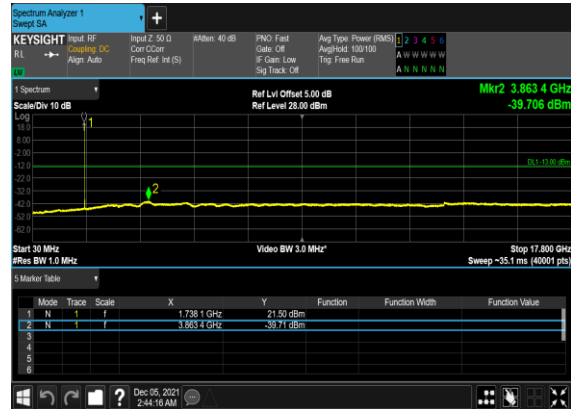
B2_N66(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



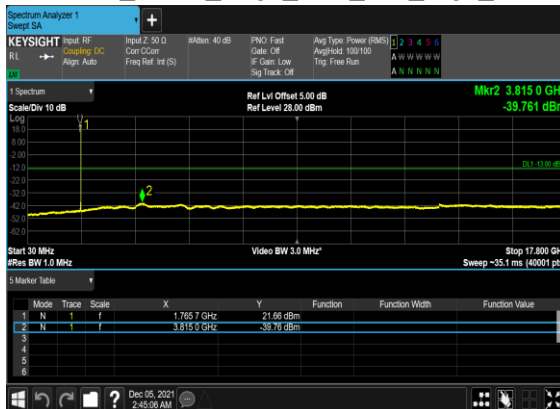
B2_N66(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



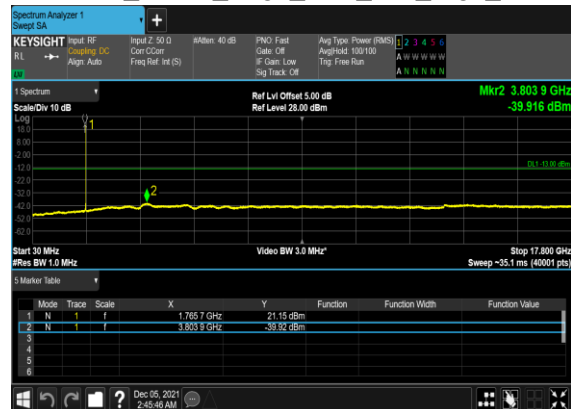
B2_N66(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N66(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



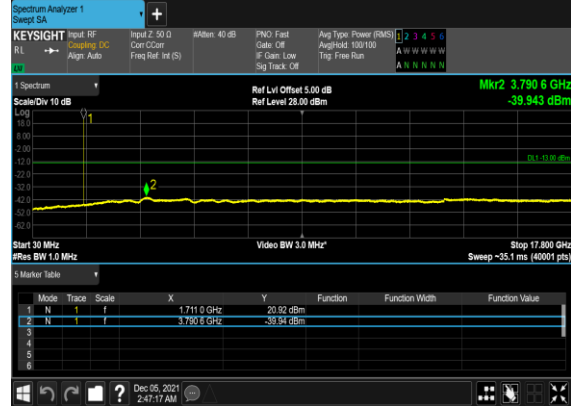
B2_N66(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



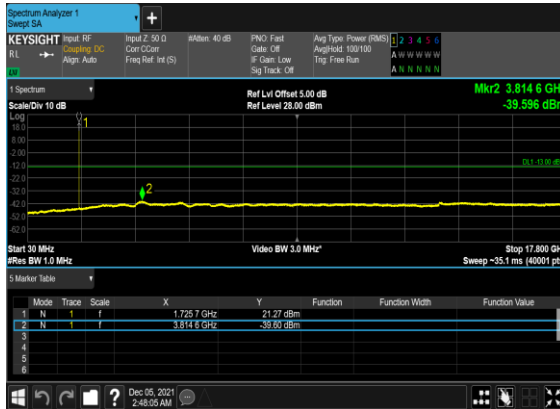
B2_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



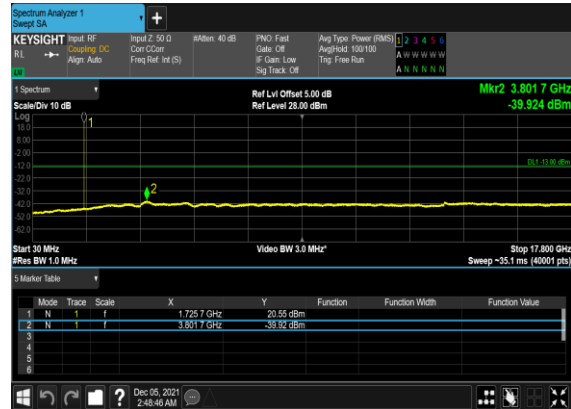
B2_N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



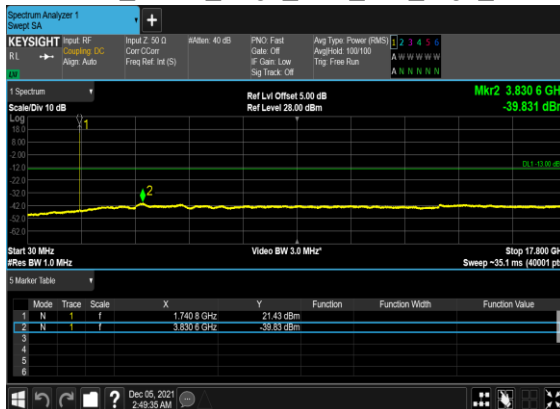
B2_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



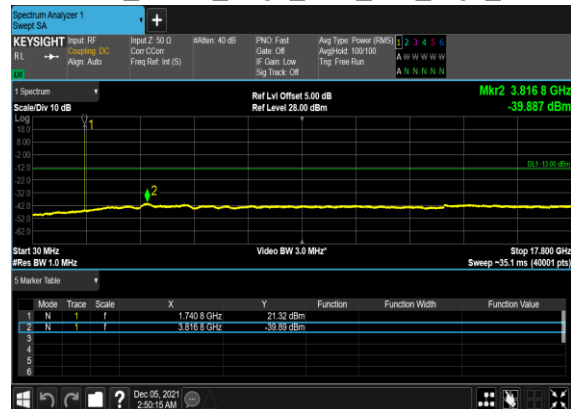
B2_N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



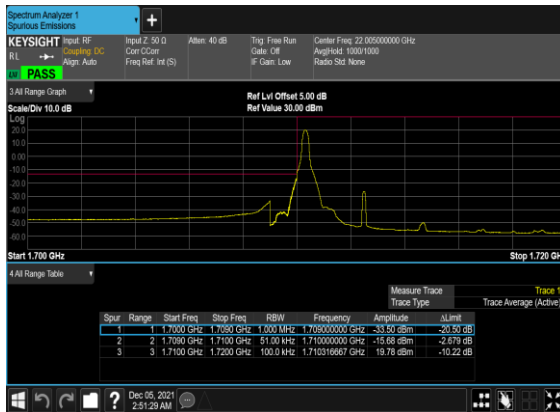
B2_N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



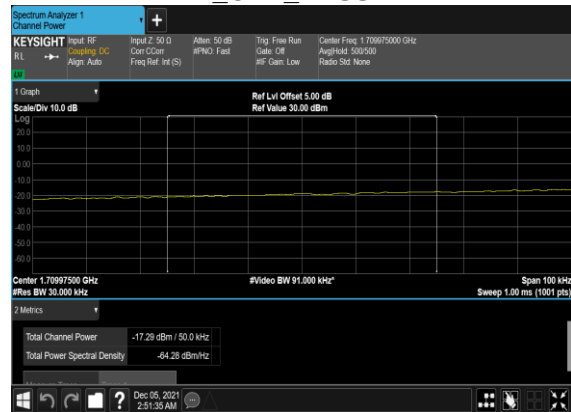
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	422500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	422500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	422500	1712.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
66	15	5	422500	1712.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
66	15	5	435500	1777.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
66	15	5	435500	1777.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
66	15	5	435500	1777.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
66	15	5	435500	1777.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
66	15	15	423500	1717.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	15	423500	1717.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	15	423500	1717.5	DFT-s-OFDM BPSK	75@0	see graph	PASS
66	15	15	423500	1717.5	DFT-s-OFDM QPSK	75@0	see graph	PASS
66	15	15	434500	1772.5	DFT-s-OFDM BPSK	1@78	see graph	PASS
66	15	15	434500	1772.5	DFT-s-OFDM QPSK	1@78	see graph	PASS
66	15	15	434500	1772.5	DFT-s-OFDM BPSK	75@0	see graph	PASS
66	15	15	434500	1772.5	DFT-s-OFDM QPSK	75@0	see graph	PASS
66	15	40	426000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	426000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	426000	1730.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
66	15	40	426000	1730.0	DFT-s-OFDM QPSK	216@0	see graph	PASS
66	15	40	432000	1760.0	DFT-s-OFDM BPSK	1@215	see graph	PASS
66	15	40	432000	1760.0	DFT-s-OFDM QPSK	1@215	see graph	PASS
66	15	40	432000	1760.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
66	15	40	432000	1760.0	DFT-s-OFDM QPSK	216@0	see graph	PASS

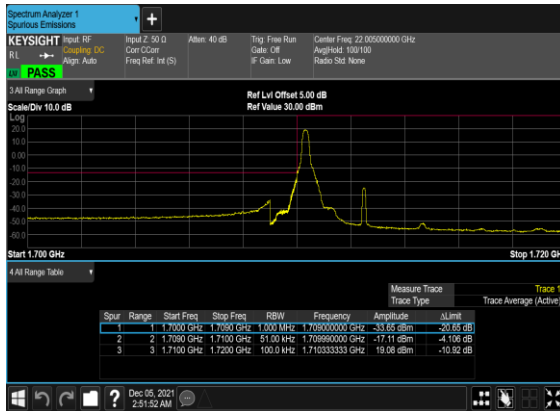
B2_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



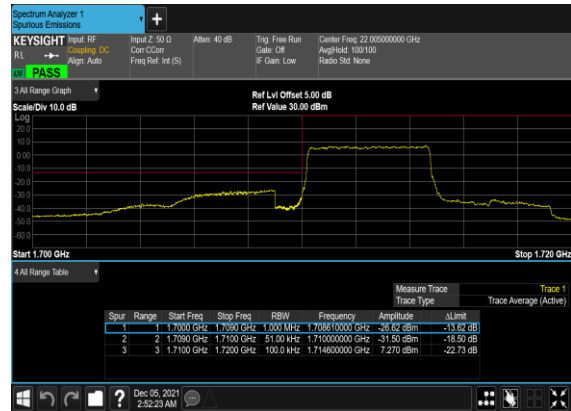
B2_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH
_CHP_PASS



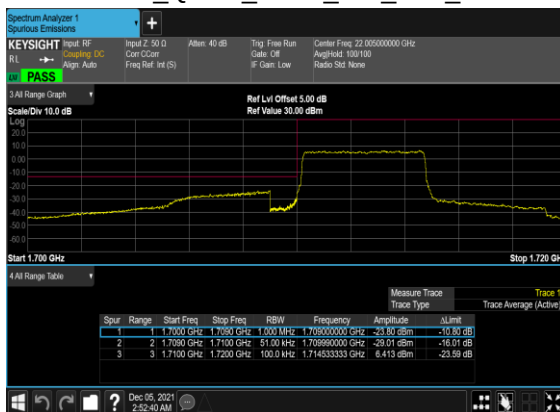
B2_N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



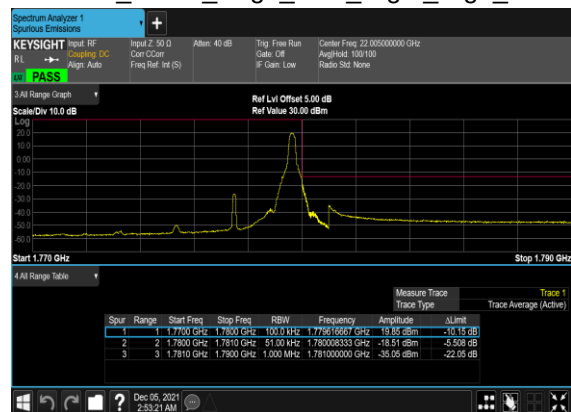
B2_N66(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



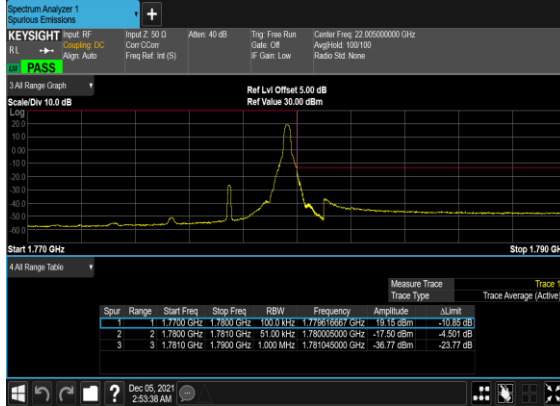
B2_N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



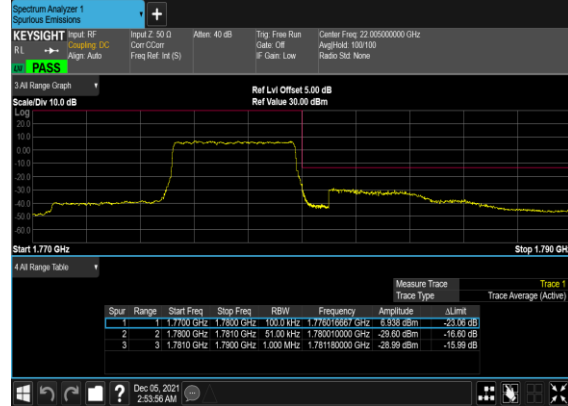
B2_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



B2_N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



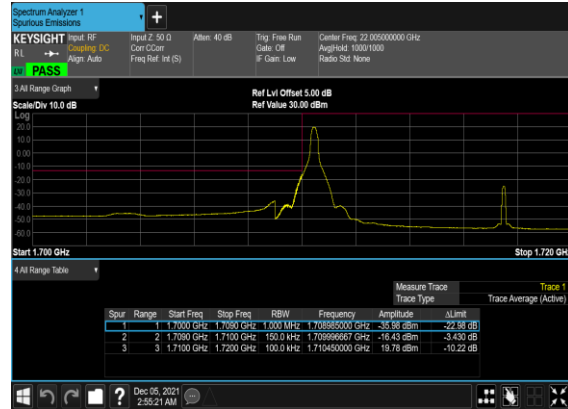
B2_N66(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



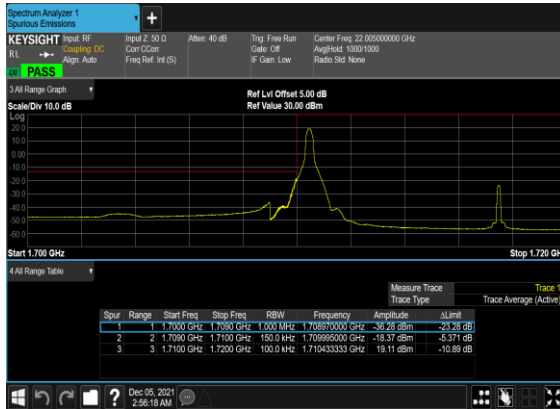
B2_N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



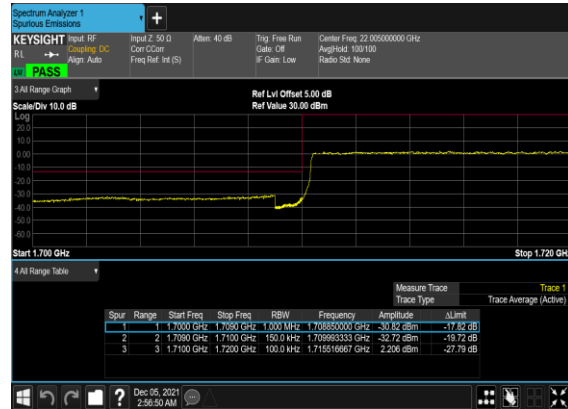
B2_N66(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



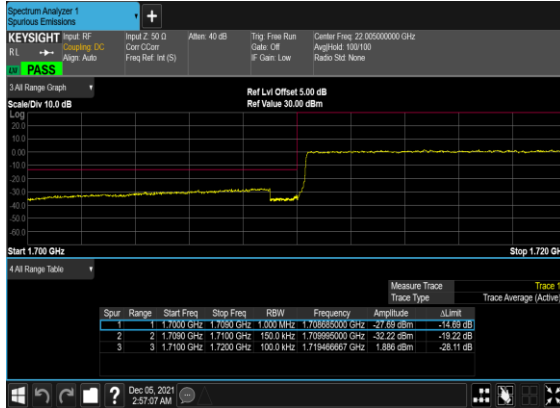
B2_N66(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



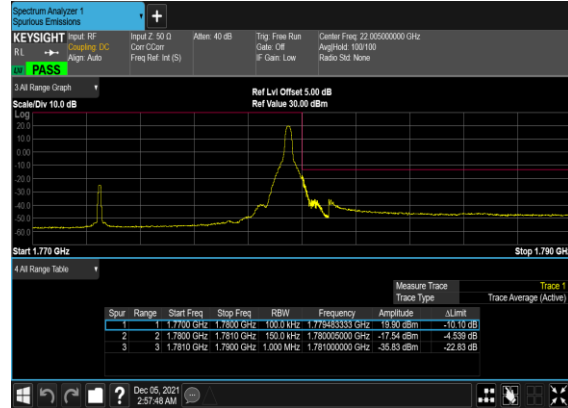
B2_N66(15M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



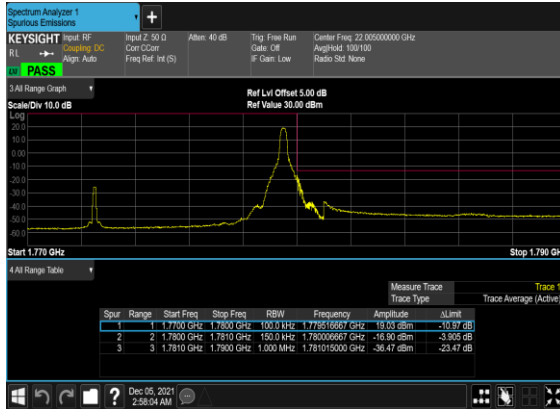
B2_N66(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



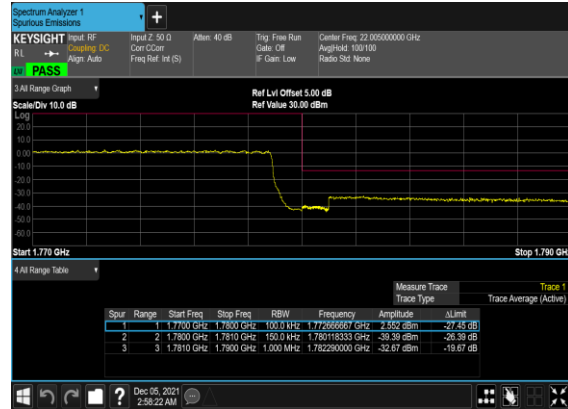
B2_N66(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



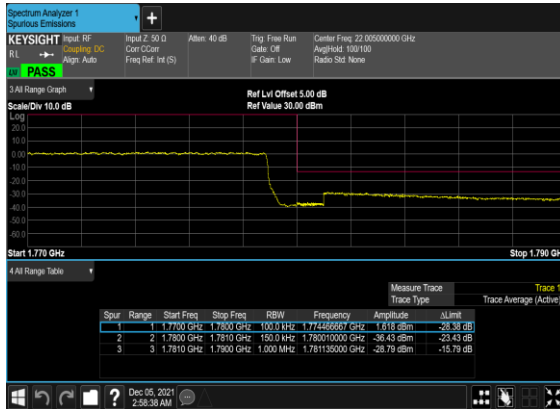
B2_N66(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



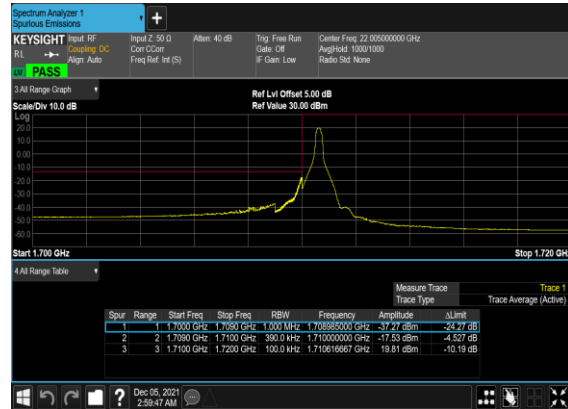
B2_N66(15M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



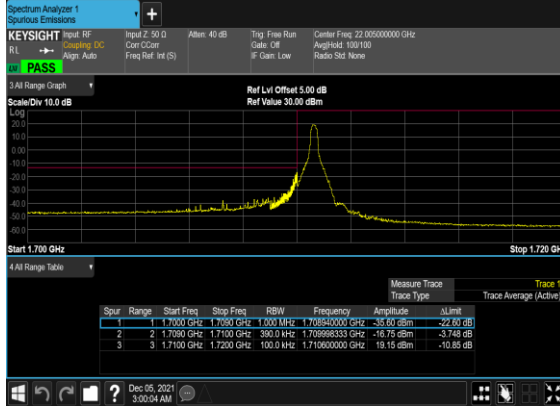
B2_N66(15M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



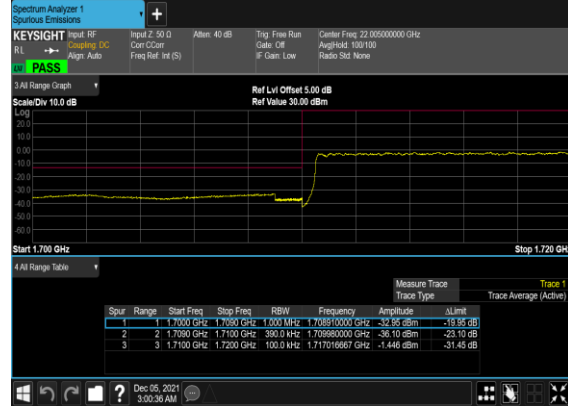
B2_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



B2_N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



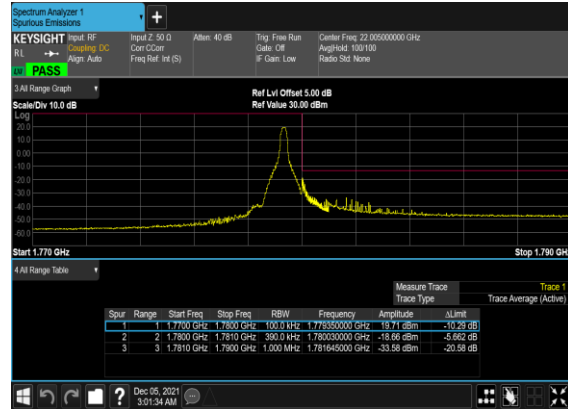
B2_N66(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



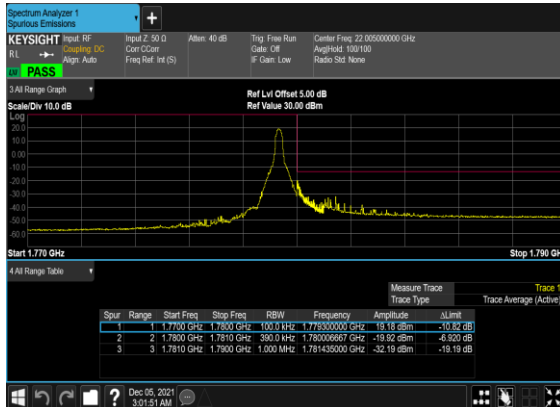
B2_N66(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



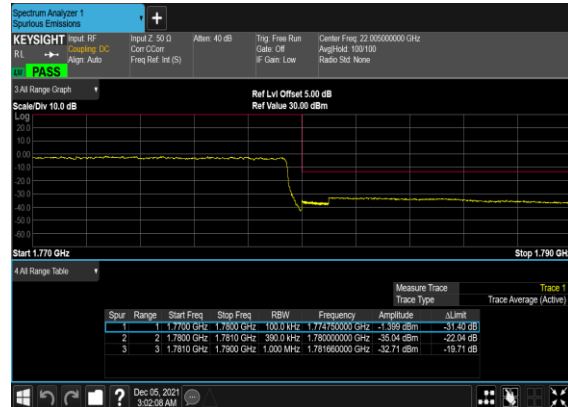
B2_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



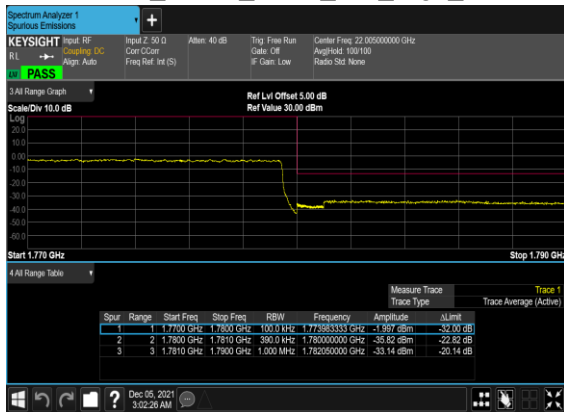
B2_N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B2_N66(40M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



B2_N66(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



FR1 N66 PA2

LTE Band: 7, LTE BW: 10M, LTE ARFCN: Mid

Conducted Power and EIRP

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
66	15	5	422500	1712.5	DFT-s-OFDM PI/2 BPSK	12@6	24.56	21.66	0.1466
66	15	5	422500	1712.5	DFT-s-OFDM PI/2 BPSK	1@1	24.31	21.41	0.1384
66	15	5	422500	1712.5	DFT-s-OFDM PI/2 BPSK	1@23	24.68	21.78	0.1507
66	15	5	422500	1712.5	DFT-s-OFDM QPSK	12@6	23.3	20.4	0.1096
66	15	5	422500	1712.5	DFT-s-OFDM QPSK	1@1	23.16	20.26	0.1062
66	15	5	422500	1712.5	DFT-s-OFDM QPSK	1@23	23.64	20.74	0.1186
66	15	5	422500	1712.5	DFT-s-OFDM 16 QAM	12@6	22.21	19.31	0.0853
66	15	5	422500	1712.5	DFT-s-OFDM 16 QAM	1@1	22.04	19.14	0.0820
66	15	5	422500	1712.5	DFT-s-OFDM 16 QAM	1@23	22.58	19.68	0.0929
66	15	5	422500	1712.5	DFT-s-OFDM 64 QAM	12@6	20.61	17.71	0.0590
66	15	5	422500	1712.5	DFT-s-OFDM 64 QAM	1@1	20.61	17.71	0.0590
66	15	5	422500	1712.5	DFT-s-OFDM 64 QAM	1@23	21.16	18.26	0.0670
66	15	5	422500	1712.5	DFT-s-OFDM 256 QAM	12@6	18.91	16.01	0.0399
66	15	5	422500	1712.5	DFT-s-OFDM 256 QAM	1@1	18.27	15.37	0.0344
66	15	5	422500	1712.5	DFT-s-OFDM 256 QAM	1@23	18.82	15.92	0.0391
66	15	5	422500	1712.5	CP-OFDM QPSK	13@6	21.52	18.62	0.0728
66	15	5	422500	1712.5	CP-OFDM QPSK	1@1	21.66	18.76	0.0752
66	15	5	422500	1712.5	CP-OFDM QPSK	1@23	22.12	19.22	0.0836
66	15	5	429000	1745	DFT-s-OFDM PI/2 BPSK	12@6	24.64	21.74	0.1493
66	15	5	429000	1745	DFT-s-OFDM PI/2 BPSK	1@1	24.7	21.8	0.1514
66	15	5	429000	1745	DFT-s-OFDM PI/2 BPSK	1@23	24.77	21.87	0.1538
66	15	5	429000	1745	DFT-s-OFDM QPSK	12@6	24.17	21.27	0.1340
66	15	5	429000	1745	DFT-s-OFDM QPSK	1@1	24.17	21.27	0.1340
66	15	5	429000	1745	DFT-s-OFDM QPSK	1@23	24.26	21.36	0.1368
66	15	5	429000	1745	DFT-s-OFDM 16 QAM	12@6	23.07	20.17	0.1040
66	15	5	429000	1745	DFT-s-OFDM 16 QAM	1@1	23.09	20.19	0.1045
66	15	5	429000	1745	DFT-s-OFDM 16 QAM	1@23	23.2	20.3	0.1072
66	15	5	429000	1745	DFT-s-OFDM 64 QAM	12@6	21.54	18.64	0.0731

66	15	5	429000	1745	DFT-s-OFDM 64 QAM	1@1	21.71	18.81	0.0760
66	15	5	429000	1745	DFT-s-OFDM 64 QAM	1@23	21.83	18.93	0.0782
66	15	5	429000	1745	DFT-s-OFDM 256 QAM	12@6	19.92	17.02	0.0504
66	15	5	429000	1745	DFT-s-OFDM 256 QAM	1@1	19.49	16.59	0.0456
66	15	5	429000	1745	DFT-s-OFDM 256 QAM	1@23	19.53	16.63	0.0460
66	15	5	429000	1745	CP-OFDM QPSK	13@6	22.44	19.54	0.0899
66	15	5	429000	1745	CP-OFDM QPSK	1@1	22.72	19.82	0.0959
66	15	5	429000	1745	CP-OFDM QPSK	1@23	22.78	19.88	0.0973
66	15	5	435500	1777.5	DFT-s-OFDM PI/2 BPSK	12@6	24.6	21.7	0.1479
66	15	5	435500	1777.5	DFT-s-OFDM PI/2 BPSK	1@1	24.68	21.78	0.1507
66	15	5	435500	1777.5	DFT-s-OFDM PI/2 BPSK	1@23	24.65	21.75	0.1496
66	15	5	435500	1777.5	DFT-s-OFDM QPSK	12@6	23.91	21.01	0.1262
66	15	5	435500	1777.5	DFT-s-OFDM QPSK	1@1	24.11	21.21	0.1321
66	15	5	435500	1777.5	DFT-s-OFDM QPSK	1@23	23.75	20.85	0.1216
66	15	5	435500	1777.5	DFT-s-OFDM 16 QAM	12@6	22.85	19.95	0.0989
66	15	5	435500	1777.5	DFT-s-OFDM 16 QAM	1@1	23.07	20.17	0.1040
66	15	5	435500	1777.5	DFT-s-OFDM 16 QAM	1@23	22.76	19.86	0.0968
66	15	5	435500	1777.5	DFT-s-OFDM 64 QAM	12@6	21.38	18.48	0.0705
66	15	5	435500	1777.5	DFT-s-OFDM 64 QAM	1@1	21.74	18.84	0.0766
66	15	5	435500	1777.5	DFT-s-OFDM 64 QAM	1@23	21.45	18.55	0.0716
66	15	5	435500	1777.5	DFT-s-OFDM 256 QAM	12@6	19.77	16.87	0.0486
66	15	5	435500	1777.5	DFT-s-OFDM 256 QAM	1@1	19.52	16.62	0.0459
66	15	5	435500	1777.5	DFT-s-OFDM 256 QAM	1@23	19.21	16.31	0.0428
66	15	5	435500	1777.5	CP-OFDM QPSK	13@6	22.22	19.32	0.0855
66	15	5	435500	1777.5	CP-OFDM QPSK	1@1	22.72	19.82	0.0959
66	15	5	435500	1777.5	CP-OFDM QPSK	1@23	22.33	19.43	0.0877
66	15	10	423000	1715	DFT-s-OFDM PI/2 BPSK	25@12	24.56	21.66	0.1466
66	15	10	423000	1715	DFT-s-OFDM PI/2 BPSK	1@1	24.31	21.41	0.1384
66	15	10	423000	1715	DFT-s-OFDM PI/2 BPSK	1@50	24.55	21.65	0.1462
66	15	10	423000	1715	DFT-s-OFDM QPSK	25@12	23.78	20.88	0.1225
66	15	10	423000	1715	DFT-s-OFDM QPSK	1@1	23.24	20.34	0.1081
66	15	10	423000	1715	DFT-s-OFDM QPSK	1@50	24.35	21.45	0.1396
66	15	10	423000	1715	DFT-s-OFDM 16 QAM	25@12	22.71	19.81	0.0957
66	15	10	423000	1715	DFT-s-OFDM 16 QAM	1@1	22.13	19.23	0.0838
66	15	10	423000	1715	DFT-s-OFDM 16 QAM	1@50	23.3	20.4	0.1096
66	15	10	423000	1715	DFT-s-OFDM 64 QAM	25@12	21.09	18.19	0.0659

66	15	10	423000	1715	DFT-s-OFDM 64 QAM	1@1	20.7	17.8	0.0603
66	15	10	423000	1715	DFT-s-OFDM 64 QAM	1@50	21.95	19.05	0.0804
66	15	10	423000	1715	DFT-s-OFDM 256 QAM	25@12	19.45	16.55	0.0452
66	15	10	423000	1715	DFT-s-OFDM 256 QAM	1@1	18.38	15.48	0.0353
66	15	10	423000	1715	DFT-s-OFDM 256 QAM	1@50	19.5	16.6	0.0457
66	15	10	423000	1715	CP-OFDM QPSK	26@13	22.1	19.2	0.0832
66	15	10	423000	1715	CP-OFDM QPSK	1@1	21.76	18.86	0.0769
66	15	10	423000	1715	CP-OFDM QPSK	1@50	22.93	20.03	0.1007
66	15	10	429000	1745	DFT-s-OFDM PI/2 BPSK	25@12	24.66	21.76	0.1500
66	15	10	429000	1745	DFT-s-OFDM PI/2 BPSK	1@1	24.64	21.74	0.1493
66	15	10	429000	1745	DFT-s-OFDM PI/2 BPSK	1@50	24.67	21.77	0.1503
66	15	10	429000	1745	DFT-s-OFDM QPSK	25@12	24.22	21.32	0.1355
66	15	10	429000	1745	DFT-s-OFDM QPSK	1@1	24.15	21.25	0.1334
66	15	10	429000	1745	DFT-s-OFDM QPSK	1@50	24.41	21.51	0.1416
66	15	10	429000	1745	DFT-s-OFDM 16 QAM	25@12	23.12	20.22	0.1052
66	15	10	429000	1745	DFT-s-OFDM 16 QAM	1@1	23.06	20.16	0.1038
66	15	10	429000	1745	DFT-s-OFDM 16 QAM	1@50	23.34	20.44	0.1107
66	15	10	429000	1745	DFT-s-OFDM 64 QAM	25@12	21.5	18.6	0.0724
66	15	10	429000	1745	DFT-s-OFDM 64 QAM	1@1	21.74	18.84	0.0766
66	15	10	429000	1745	DFT-s-OFDM 64 QAM	1@50	21.97	19.07	0.0807
66	15	10	429000	1745	DFT-s-OFDM 256 QAM	25@12	19.88	16.98	0.0499
66	15	10	429000	1745	DFT-s-OFDM 256 QAM	1@1	19.51	16.61	0.0458
66	15	10	429000	1745	DFT-s-OFDM 256 QAM	1@50	19.63	16.73	0.0471
66	15	10	429000	1745	CP-OFDM QPSK	26@13	22.54	19.64	0.0920
66	15	10	429000	1745	CP-OFDM QPSK	1@1	22.69	19.79	0.0953
66	15	10	429000	1745	CP-OFDM QPSK	1@50	23.02	20.12	0.1028
66	15	10	435000	1775	DFT-s-OFDM PI/2 BPSK	25@12	24.64	21.74	0.1493
66	15	10	435000	1775	DFT-s-OFDM PI/2 BPSK	1@1	24.61	21.71	0.1483
66	15	10	435000	1775	DFT-s-OFDM PI/2 BPSK	1@50	24.67	21.77	0.1503
66	15	10	435000	1775	DFT-s-OFDM QPSK	25@12	24.18	21.28	0.1343
66	15	10	435000	1775	DFT-s-OFDM QPSK	1@1	24.37	21.47	0.1403
66	15	10	435000	1775	DFT-s-OFDM QPSK	1@50	23.78	20.88	0.1225
66	15	10	435000	1775	DFT-s-OFDM 16 QAM	25@12	23.07	20.17	0.1040
66	15	10	435000	1775	DFT-s-OFDM 16 QAM	1@1	23.33	20.43	0.1104
66	15	10	435000	1775	DFT-s-OFDM 16 QAM	1@50	22.77	19.87	0.0971
66	15	10	435000	1775	DFT-s-OFDM 64 QAM	25@12	21.52	18.62	0.0728

66	15	10	435000	1775	DFT-s-OFDM 64 QAM	1@1	21.95	19.05	0.0804
66	15	10	435000	1775	DFT-s-OFDM 64 QAM	1@50	21.46	18.56	0.0718
66	15	10	435000	1775	DFT-s-OFDM 256 QAM	25@12	19.91	17.01	0.0502
66	15	10	435000	1775	DFT-s-OFDM 256 QAM	1@1	19.61	16.71	0.0469
66	15	10	435000	1775	DFT-s-OFDM 256 QAM	1@50	19.22	16.32	0.0429
66	15	10	435000	1775	CP-OFDM QPSK	26@13	22.48	19.58	0.0908
66	15	10	435000	1775	CP-OFDM QPSK	1@1	22.94	20.04	0.1009
66	15	10	435000	1775	CP-OFDM QPSK	1@50	22.43	19.53	0.0897
66	15	15	423500	1717.5	DFT-s-OFDM PI/2 BPSK	36@18	24.58	21.68	0.1472
66	15	15	423500	1717.5	DFT-s-OFDM PI/2 BPSK	1@1	24.31	21.41	0.1384
66	15	15	423500	1717.5	DFT-s-OFDM PI/2 BPSK	1@77	24.6	21.7	0.1479
66	15	15	423500	1717.5	DFT-s-OFDM QPSK	36@18	24.03	21.13	0.1297
66	15	15	423500	1717.5	DFT-s-OFDM QPSK	1@1	23.23	20.33	0.1079
66	15	15	423500	1717.5	DFT-s-OFDM QPSK	1@77	24.55	21.65	0.1462
66	15	15	423500	1717.5	DFT-s-OFDM 16 QAM	36@18	22.97	20.07	0.1016
66	15	15	423500	1717.5	DFT-s-OFDM 16 QAM	1@1	22.13	19.23	0.0838
66	15	15	423500	1717.5	DFT-s-OFDM 16 QAM	1@77	23.53	20.63	0.1156
66	15	15	423500	1717.5	DFT-s-OFDM 64 QAM	36@18	21.41	18.51	0.0710
66	15	15	423500	1717.5	DFT-s-OFDM 64 QAM	1@1	20.71	17.81	0.0604
66	15	15	423500	1717.5	DFT-s-OFDM 64 QAM	1@77	22.18	19.28	0.0847
66	15	15	423500	1717.5	DFT-s-OFDM 256 QAM	36@18	19.87	16.97	0.0498
66	15	15	423500	1717.5	DFT-s-OFDM 256 QAM	1@1	18.36	15.46	0.0352
66	15	15	423500	1717.5	DFT-s-OFDM 256 QAM	1@77	19.57	16.67	0.0465
66	15	15	423500	1717.5	CP-OFDM QPSK	39@19	22.44	19.54	0.0899
66	15	15	423500	1717.5	CP-OFDM QPSK	1@1	21.74	18.84	0.0766
66	15	15	423500	1717.5	CP-OFDM QPSK	1@77	23.02	20.12	0.1028
66	15	15	429000	1745	DFT-s-OFDM PI/2 BPSK	36@18	24.66	21.76	0.1500
66	15	15	429000	1745	DFT-s-OFDM PI/2 BPSK	1@1	24.52	21.62	0.1452
66	15	15	429000	1745	DFT-s-OFDM PI/2 BPSK	1@77	24.71	21.81	0.1517
66	15	15	429000	1745	DFT-s-OFDM QPSK	36@18	24.19	21.29	0.1346
66	15	15	429000	1745	DFT-s-OFDM QPSK	1@1	24.07	21.17	0.1309
66	15	15	429000	1745	DFT-s-OFDM QPSK	1@77	24.48	21.58	0.1439
66	15	15	429000	1745	DFT-s-OFDM 16 QAM	36@18	23.07	20.17	0.1040
66	15	15	429000	1745	DFT-s-OFDM 16 QAM	1@1	23.02	20.12	0.1028
66	15	15	429000	1745	DFT-s-OFDM 16 QAM	1@77	23.41	20.51	0.1125
66	15	15	429000	1745	DFT-s-OFDM 64 QAM	36@18	21.52	18.62	0.0728

66	15	15	429000	1745	DFT-s-OFDM 64 QAM	1@1	21.64	18.74	0.0748
66	15	15	429000	1745	DFT-s-OFDM 64 QAM	1@77	22.03	19.13	0.0818
66	15	15	429000	1745	DFT-s-OFDM 256 QAM	36@18	19.88	16.98	0.0499
66	15	15	429000	1745	DFT-s-OFDM 256 QAM	1@1	19.52	16.62	0.0459
66	15	15	429000	1745	DFT-s-OFDM 256 QAM	1@77	19.65	16.75	0.0473
66	15	15	429000	1745	CP-OFDM QPSK	39@19	22.55	19.65	0.0923
66	15	15	429000	1745	CP-OFDM QPSK	1@1	22.65	19.75	0.0944
66	15	15	429000	1745	CP-OFDM QPSK	1@77	22.97	20.07	0.1016
66	15	15	434500	1772.5	DFT-s-OFDM PI/2 BPSK	36@18	24.51	21.61	0.1449
66	15	15	434500	1772.5	DFT-s-OFDM PI/2 BPSK	1@1	24.46	21.56	0.1432
66	15	15	434500	1772.5	DFT-s-OFDM PI/2 BPSK	1@77	24.62	21.72	0.1486
66	15	15	434500	1772.5	DFT-s-OFDM QPSK	36@18	24.27	21.37	0.1371
66	15	15	434500	1772.5	DFT-s-OFDM QPSK	1@1	24.43	21.53	0.1422
66	15	15	434500	1772.5	DFT-s-OFDM QPSK	1@77	23.77	20.87	0.1222
66	15	15	434500	1772.5	DFT-s-OFDM 16 QAM	36@18	23.15	20.25	0.1059
66	15	15	434500	1772.5	DFT-s-OFDM 16 QAM	1@1	23.39	20.49	0.1119
66	15	15	434500	1772.5	DFT-s-OFDM 16 QAM	1@77	22.77	19.87	0.0971
66	15	15	434500	1772.5	DFT-s-OFDM 64 QAM	36@18	21.62	18.72	0.0745
66	15	15	434500	1772.5	DFT-s-OFDM 64 QAM	1@1	22.03	19.13	0.0818
66	15	15	434500	1772.5	DFT-s-OFDM 64 QAM	1@77	21.46	18.56	0.0718
66	15	15	434500	1772.5	DFT-s-OFDM 256 QAM	36@18	19.97	17.07	0.0509
66	15	15	434500	1772.5	DFT-s-OFDM 256 QAM	1@1	19.48	16.58	0.0455
66	15	15	434500	1772.5	DFT-s-OFDM 256 QAM	1@77	19.17	16.27	0.0424
66	15	15	434500	1772.5	CP-OFDM QPSK	39@19	22.65	19.75	0.0944
66	15	15	434500	1772.5	CP-OFDM QPSK	1@1	23	20.1	0.1023
66	15	15	434500	1772.5	CP-OFDM QPSK	1@77	22.29	19.39	0.0869
66	15	20	424000	1720	DFT-s-OFDM PI/2 BPSK	50@25	24.5	21.6	0.1445
66	15	20	424000	1720	DFT-s-OFDM PI/2 BPSK	1@1	24.29	21.39	0.1377
66	15	20	424000	1720	DFT-s-OFDM PI/2 BPSK	1@104	24.57	21.67	0.1469
66	15	20	424000	1720	DFT-s-OFDM QPSK	50@25	24.3	21.4	0.1380
66	15	20	424000	1720	DFT-s-OFDM QPSK	1@1	23.19	20.29	0.1069
66	15	20	424000	1720	DFT-s-OFDM QPSK	1@104	24.31	21.41	0.1384
66	15	20	424000	1720	DFT-s-OFDM 16 QAM	50@25	23.25	20.35	0.1084
66	15	20	424000	1720	DFT-s-OFDM 16 QAM	1@1	22.1	19.2	0.0832
66	15	20	424000	1720	DFT-s-OFDM 16 QAM	1@104	23.28	20.38	0.1091
66	15	20	424000	1720	DFT-s-OFDM 64 QAM	50@25	21.73	18.83	0.0764

66	15	20	424000	1720	DFT-s-OFDM 64 QAM	1@1	20.67	17.77	0.0598
66	15	20	424000	1720	DFT-s-OFDM 64 QAM	1@104	21.99	19.09	0.0811
66	15	20	424000	1720	DFT-s-OFDM 256 QAM	50@25	20.03	17.13	0.0516
66	15	20	424000	1720	DFT-s-OFDM 256 QAM	1@1	18.31	15.41	0.0348
66	15	20	424000	1720	DFT-s-OFDM 256 QAM	1@104	19.64	16.74	0.0472
66	15	20	424000	1720	CP-OFDM QPSK	53@26	22.71	19.81	0.0957
66	15	20	424000	1720	CP-OFDM QPSK	1@1	21.71	18.81	0.0760
66	15	20	424000	1720	CP-OFDM QPSK	1@104	22.86	19.96	0.0991
66	15	20	429000	1745	DFT-s-OFDM PI/2 BPSK	50@25	24.64	21.74	0.1493
66	15	20	429000	1745	DFT-s-OFDM PI/2 BPSK	1@1	24.59	21.69	0.1476
66	15	20	429000	1745	DFT-s-OFDM PI/2 BPSK	1@104	24.62	21.72	0.1486
66	15	20	429000	1745	DFT-s-OFDM QPSK	50@25	24.19	21.29	0.1346
66	15	20	429000	1745	DFT-s-OFDM QPSK	1@1	24.09	21.19	0.1315
66	15	20	429000	1745	DFT-s-OFDM QPSK	1@104	24.56	21.66	0.1466
66	15	20	429000	1745	DFT-s-OFDM 16 QAM	50@25	23.04	20.14	0.1033
66	15	20	429000	1745	DFT-s-OFDM 16 QAM	1@1	23.03	20.13	0.1030
66	15	20	429000	1745	DFT-s-OFDM 16 QAM	1@104	23.52	20.62	0.1153
66	15	20	429000	1745	DFT-s-OFDM 64 QAM	50@25	21.5	18.6	0.0724
66	15	20	429000	1745	DFT-s-OFDM 64 QAM	1@1	21.72	18.82	0.0762
66	15	20	429000	1745	DFT-s-OFDM 64 QAM	1@104	22.14	19.24	0.0839
66	15	20	429000	1745	DFT-s-OFDM 256 QAM	50@25	19.87	16.97	0.0498
66	15	20	429000	1745	DFT-s-OFDM 256 QAM	1@1	19.58	16.68	0.0466
66	15	20	429000	1745	DFT-s-OFDM 256 QAM	1@104	19.63	16.73	0.0471
66	15	20	429000	1745	CP-OFDM QPSK	53@26	22.56	19.66	0.0925
66	15	20	429000	1745	CP-OFDM QPSK	1@1	22.64	19.74	0.0942
66	15	20	429000	1745	CP-OFDM QPSK	1@104	23.09	20.19	0.1045
66	15	20	434000	1770	DFT-s-OFDM PI/2 BPSK	50@25	24.48	21.58	0.1439
66	15	20	434000	1770	DFT-s-OFDM PI/2 BPSK	1@1	24.5	21.6	0.1445
66	15	20	434000	1770	DFT-s-OFDM PI/2 BPSK	1@104	24.62	21.72	0.1486
66	15	20	434000	1770	DFT-s-OFDM QPSK	50@25	24.3	21.4	0.1380
66	15	20	434000	1770	DFT-s-OFDM QPSK	1@1	24.49	21.59	0.1442
66	15	20	434000	1770	DFT-s-OFDM QPSK	1@104	23.73	20.83	0.1211
66	15	20	434000	1770	DFT-s-OFDM 16 QAM	50@25	23.17	20.27	0.1064
66	15	20	434000	1770	DFT-s-OFDM 16 QAM	1@1	23.56	20.66	0.1164
66	15	20	434000	1770	DFT-s-OFDM 16 QAM	1@104	22.73	19.83	0.0962
66	15	20	434000	1770	DFT-s-OFDM 64 QAM	50@25	21.66	18.76	0.0752

66	15	20	434000	1770	DFT-s-OFDM 64 QAM	1@1	22.25	19.35	0.0861
66	15	20	434000	1770	DFT-s-OFDM 64 QAM	1@104	21.4	18.5	0.0708
66	15	20	434000	1770	DFT-s-OFDM 256 QAM	50@25	20.01	17.11	0.0514
66	15	20	434000	1770	DFT-s-OFDM 256 QAM	1@1	19.51	16.61	0.0458
66	15	20	434000	1770	DFT-s-OFDM 256 QAM	1@104	19.12	16.22	0.0419
66	15	20	434000	1770	CP-OFDM QPSK	53@26	22.66	19.76	0.0946
66	15	20	434000	1770	CP-OFDM QPSK	1@1	23.13	20.23	0.1054
66	15	20	434000	1770	CP-OFDM QPSK	1@104	22.3	19.4	0.0871
66	15	40	426000	1730	DFT-s-OFDM PI/2 BPSK	108@54	24.66	21.76	0.1500
66	15	40	426000	1730	DFT-s-OFDM PI/2 BPSK	1@1	24.39	21.49	0.1409
66	15	40	426000	1730	DFT-s-OFDM PI/2 BPSK	1@214	24.75	21.85	0.1531
66	15	40	426000	1730	DFT-s-OFDM QPSK	108@54	24.19	21.29	0.1346
66	15	40	426000	1730	DFT-s-OFDM QPSK	1@1	23.03	20.13	0.1030
66	15	40	426000	1730	DFT-s-OFDM QPSK	1@214	24.04	21.14	0.1300
66	15	40	426000	1730	DFT-s-OFDM 16 QAM	108@54	23.14	20.24	0.1057
66	15	40	426000	1730	DFT-s-OFDM 16 QAM	1@1	21.9	19	0.0794
66	15	40	426000	1730	DFT-s-OFDM 16 QAM	1@214	22.98	20.08	0.1019
66	15	40	426000	1730	DFT-s-OFDM 64 QAM	108@54	21.64	18.74	0.0748
66	15	40	426000	1730	DFT-s-OFDM 64 QAM	1@1	20.45	17.55	0.0569
66	15	40	426000	1730	DFT-s-OFDM 64 QAM	1@214	21.6	18.7	0.0741
66	15	40	426000	1730	DFT-s-OFDM 256 QAM	108@54	20.14	17.24	0.0530
66	15	40	426000	1730	DFT-s-OFDM 256 QAM	1@1	18.25	15.35	0.0343
66	15	40	426000	1730	DFT-s-OFDM 256 QAM	1@214	19.2	16.3	0.0427
66	15	40	426000	1730	CP-OFDM QPSK	108@54	22.56	19.66	0.0925
66	15	40	426000	1730	CP-OFDM QPSK	1@1	21.54	18.64	0.0731
66	15	40	426000	1730	CP-OFDM QPSK	1@214	22.59	19.69	0.0931
66	15	40	429000	1745	DFT-s-OFDM PI/2 BPSK	108@54	24.7	21.8	0.1514
66	15	40	429000	1745	DFT-s-OFDM PI/2 BPSK	1@1	24.5	21.6	0.1445
66	15	40	429000	1745	DFT-s-OFDM PI/2 BPSK	1@214	24.75	21.85	0.1531
66	15	40	429000	1745	DFT-s-OFDM QPSK	108@54	24.12	21.22	0.1324
66	15	40	429000	1745	DFT-s-OFDM QPSK	1@1	24.4	21.5	0.1413
66	15	40	429000	1745	DFT-s-OFDM QPSK	1@214	24.21	21.31	0.1352
66	15	40	429000	1745	DFT-s-OFDM 16 QAM	108@54	23.03	20.13	0.1030
66	15	40	429000	1745	DFT-s-OFDM 16 QAM	1@1	23.38	20.48	0.1117
66	15	40	429000	1745	DFT-s-OFDM 16 QAM	1@214	23.18	20.28	0.1067
66	15	40	429000	1745	DFT-s-OFDM 64 QAM	108@54	21.5	18.6	0.0724

66	15	40	429000	1745	DFT-s-OFDM 64 QAM	1@1	22.13	19.23	0.0838
66	15	40	429000	1745	DFT-s-OFDM 64 QAM	1@214	21.83	18.93	0.0782
66	15	40	429000	1745	DFT-s-OFDM 256 QAM	108@54	19.91	17.01	0.0502
66	15	40	429000	1745	DFT-s-OFDM 256 QAM	1@1	19.59	16.69	0.0467
66	15	40	429000	1745	DFT-s-OFDM 256 QAM	1@214	19.59	16.69	0.0467
66	15	40	429000	1745	CP-OFDM QPSK	108@54	22.46	19.56	0.0904
66	15	40	429000	1745	CP-OFDM QPSK	1@1	22.98	20.08	0.1019
66	15	40	429000	1745	CP-OFDM QPSK	1@214	22.75	19.85	0.0966
66	15	40	432000	1760	DFT-s-OFDM PI/2 BPSK	108@54	24.53	21.63	0.1455
66	15	40	432000	1760	DFT-s-OFDM PI/2 BPSK	1@1	24.52	21.62	0.1452
66	15	40	432000	1760	DFT-s-OFDM PI/2 BPSK	1@214	24.67	21.77	0.1503
66	15	40	432000	1760	DFT-s-OFDM QPSK	108@54	24.38	21.48	0.1406
66	15	40	432000	1760	DFT-s-OFDM QPSK	1@1	23.9	21	0.1259
66	15	40	432000	1760	DFT-s-OFDM QPSK	1@214	23.52	20.62	0.1153
66	15	40	432000	1760	DFT-s-OFDM 16 QAM	108@54	23.31	20.41	0.1099
66	15	40	432000	1760	DFT-s-OFDM 16 QAM	1@1	22.83	19.93	0.0984
66	15	40	432000	1760	DFT-s-OFDM 16 QAM	1@214	22.52	19.62	0.0916
66	15	40	432000	1760	DFT-s-OFDM 64 QAM	108@54	21.79	18.89	0.0774
66	15	40	432000	1760	DFT-s-OFDM 64 QAM	1@1	21.53	18.63	0.0729
66	15	40	432000	1760	DFT-s-OFDM 64 QAM	1@214	21.22	18.32	0.0679
66	15	40	432000	1760	DFT-s-OFDM 256 QAM	108@54	20.09	17.19	0.0524
66	15	40	432000	1760	DFT-s-OFDM 256 QAM	1@1	19.33	16.43	0.0440
66	15	40	432000	1760	DFT-s-OFDM 256 QAM	1@214	18.96	16.06	0.0404
66	15	40	432000	1760	CP-OFDM QPSK	108@54	22.75	19.85	0.0966
66	15	40	432000	1760	CP-OFDM QPSK	1@1	22.45	19.55	0.0902
66	15	40	432000	1760	CP-OFDM QPSK	1@214	22.11	19.21	0.0834

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	-0.00275	PASS	NV
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	-0.01112	PASS	LV
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	-0.00555	PASS	HV
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	-0.00844	PASS	-30°C
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	-0.00733	PASS	-20°C
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	-0.00276	PASS	-10°C
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	-0.00794	PASS	0°C
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	-0.00406	PASS	10°C
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	-0.00651	PASS	20°C
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	-0.0038	PASS	30°C
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	-0.00399	PASS	40°C
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	-0.00573	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
66	15	20	424000	1720.0	DFT-s-OFDM PI/2 BPSK	100@0	3.91	13	PASS
66	15	20	424000	1720.0	DFT-s-OFDM PI/2 BPSK	1@0	4.05	13	PASS
66	15	20	424000	1720.0	DFT-s-OFDM QPSK	100@0	5.38	13	PASS
66	15	20	424000	1720.0	DFT-s-OFDM QPSK	1@0	6.19	13	PASS
66	15	20	429000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	4.12	13	PASS
66	15	20	429000	1745.0	DFT-s-OFDM PI/2 BPSK	1@0	3.72	13	PASS
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	5.49	13	PASS
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	1@0	5.72	13	PASS
66	15	20	434000	1770.0	DFT-s-OFDM PI/2 BPSK	100@0	4.02	13	PASS
66	15	20	434000	1770.0	DFT-s-OFDM PI/2 BPSK	1@0	3.78	13	PASS
66	15	20	434000	1770.0	DFT-s-OFDM QPSK	100@0	5.45	13	PASS
66	15	20	434000	1770.0	DFT-s-OFDM QPSK	1@0	5.74	13	PASS

Spectrum Analyzer 1
Power Stat OFF

KEYSIGHT Input RF Input Z: 50 Ω
R/L → Coupling DC Corr CCor
Align Auto Freq Ref Int (S)

Att: 40 dB Trig Free Run
RF Gain Low Center Freq: 1.720000000 GHz
Counts: 1.00 M/1.00 Mpt
Radio Std: None

3 Graph
Gaussian
100%

Average Power
23.67 dBm
47.85 dB at 0 dB

10.0 %	1.89 dB
1.0 %	3.49 dB
0.1 %	3.91 dB
0.01 %	4.12 dB
0.001 %	4.22 dB
0.0001 %	4.26 dB

Peak
4.33 dB
28.00 dBm

0.0001%
0.00 dB
20.00 dB

Info BW 25.000 MHz

Dec 02, 2021
11:49:13.89

The screenshot displays the Keysight Spectrum Analyzer 1 interface. The top status bar shows 'Spectrum Analyzer 1' and 'Power Stat OFF'. The main display area is divided into several sections:

- Input Section:** Shows 'Input RF' (R/L), 'Input 2: 50.0 GHz', 'Coupling DC', 'Align Auto', 'Corr C/Cor', and 'Freq Ref Int (S)'.
- Display Settings:** 'Att: 40 dB', 'Trig: Free Run', 'RF Gain: Low', 'Center Freq: 1.720000000 GHz', 'Counts: 1.00 M/1.00 Mpt', and 'Radio Skd: None'.
- 1 Metrics:** A table showing 'Average Power' at 23.38 dBm and 45.69 dB at 0 dB. A list of power levels (10.0%, 1.0%, 0.1%, 0.01%, 0.001%, 0.0001%) with corresponding dB values (2.41, 3.45, 4.05, 4.21, 4.24, 4.25). A 'Peak' section shows 4.25 dB and 27.63 dBm.
- 2 Graph:** A plot titled 'Gaussian' showing a signal spectrum. The x-axis is '0.00 dB' to '20.00 dB' and the y-axis is '0.00 MHz' to '20.00 MHz'. The signal is a Gaussian curve centered at 1.72 GHz.

Spectrum Analyzer 1
Power Stat OFF

KEYSIGHT Input RF 21.50 GHz
R/L → **Clipping DC**
Align Auto Cor CCor 0.00
Freq Ref Int (S) 1.00

Avg Power
21.85 dBm
43.28 % at 0 dB

10.0 % 2.56 dB
1.0 % 4.61 dB
0.1 % 6.19 dB
0.01 % 6.22 dB
0.001 % 6.24 dB
0.0001 % 6.24 dB

Peak
6.24 dB
28.09 dBm

2 Graph
Gaussian
100%

20.00 dB
10.0001 dB
0.0001 dB
0.001 dB
0.01 dB
0.1 dB
1 dB
10 dB
100 dB

21.50 GHz
100 MHz BW 25.000 MHz

Dec 02, 2001 11:53:29 AM

Keysight Spectrum Analyzer 1
Power Stat: CCDF

KEYSIGHT Input RF
R1. $\rightarrow$ **Creating DC**
Agc: Auto

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

Att: 40 dB
Trig: Free Run
RF Gain: Low

Center Freq: 1.745000000 GHz
Counts: 1.00 M1.00 Mpt
Radio Std: None

1 Meters

Average Power
23.87 dBm
47.04 % at 0.0 dB

10.0 %	1.94 dB
1.0 %	3.61 dB
0.1 %	4.12 dB
0.01 %	4.36 dB
0.001 %	4.47 dB
0.0001 %	4.52 dB

Peak
4.52 dB
28.38 dBm

2 Graph
Gaussian

100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.00 %

0.00 dB
20.00 dB

Info BW 25.000 MHz

Dec-02, 2024 11:34:09 PM

The screenshot displays the Keysight Spectrum Analyzer 1 interface. The top status bar shows 'Spectrum Analyzer 1' and 'Power Stat: CCDF'. The main display area is divided into several sections:

- Left Panel:** Contains the 'KEYSIGHT' logo and a list of input sources: 'RF', 'DC', 'RF', 'DC', 'RF', 'DC'. The 'RF' source is selected, and the 'DC' source is highlighted in blue. Below this, the 'Average Power' is shown as 23.82 dBm, and the 'Peak' power is 27.72 dBm. A table of power levels is also displayed:

Power Level	Power (dB)
10.0 %	2.25 dB
1.0 %	3.17 dB
0.1 %	3.72 dB
0.01 %	3.88 dB
0.001 %	3.90 dB
0.0001 %	3.90 dB
- Top Center:** Shows the 'Center Freq' as 1.745000000 GHz, 'Counts' as 1.00 M1.00 Mpt, and 'Radio Std' as None.
- Right Panel:** Displays a 'Gaussian' signal plot. The x-axis is labeled 'info BW 25.000 MHz' and the y-axis is labeled '0.00 dB'. The plot shows a Gaussian curve with a peak at 23.82 dBm and a bandwidth of 25.000 MHz.

Keysight Spectrum Analyzer 1
Power Stat OFF

KEYSIGHT Input RF Input Z: 50 Ω
R/L → Coupling DC
Align Auto Corr CCor
Freq Ref Int (S)

Att: 40 dB Trig: Free Run
RF Gain: Low
Center Freq: 1.745000000 GHz
Counts: 1.00 M/1.00 Mpt
Radio Std: None

1 Metrics

Average Power

22.75 dBm
44.72% at 0 dB

10.0% 2.42 dB
1.0% 4.53 dB
0.1% 5.49 dB
0.01% 5.75 dB
0.001% 5.85 dB
0.0001% 5.89 dB

Peak

5.93 dB
26.66 dBm

3 Graph

Gaussian 100%

10%
1%
0.1%
0.01%
0.001%
0.0001%
0.0001%
0.00 dB 20.00 dB

Info BW 25.000 MHz

The screenshot displays the Keysight Spectrum Analyzer 1 software interface. The top status bar indicates the device is a Power Stat C223F. The main display area shows a power spectrum plot with a yellow trace representing the signal. The plot is set to a center frequency of 1.745000000 GHz, with a span of 1.00 M1.00 Mpt. The plot shows a signal with a peak power of 22.49 dBm and a noise floor of -58.27 dBm. The plot is labeled 'Gaussian' and '100%'. The x-axis is labeled 'fwhz BW 25.000 MHz' and the y-axis is labeled '0.0001' to '20.00 dBm'.

Keysight Spectrum Analyzer 1
Power Stat C223F

KEYSIGHT Input RF
R/L → Coupling DC
Align Auto

Input Z: 50.0
Corr CCor
Freq Ref: Int (S)

Att: 40 dB
Trig: Free Run
RF Gain: Low
Center Freq: 1.745000000 GHz
Counts: 1.00 M1.00 Mpt
Radio Std: None

1 Metrics

Average Power

	22.49 dBm
	44.87 % at 0 dB
10.0 %	2.46 dB
1.0 %	4.25 dB
0.1 %	5.72 dB
0.01 %	5.76 dB
0.001 %	5.77 dB
0.0001 %	5.78 dB
Peak	5.78 dB
	28.27 dBm

2 Graph

Gaussian
100%

0.0001
0.001
0.01
0.1
1
10
20.00 dBm

0.00 dB
fwhz BW 25.000 MHz

Spectrum Analyzer 1
Power Stat OFF

KEYSIGHT Input RF
R/L → Coupling DC
Align Auto

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

Att: 40 dB
Trig: Free Run
RF Gain: Low
Center Freq: 17.70000000 GHz
Counts: 1.00 M1 0.0 Mpt
Radio Std: None

1 Metrics

Average Power

23.86 dBm
47.53 dB at 0 dB

10.0 % 2.36 dB
1.0 % 3.26 dB
0.1 % 3.78 dB
0.01 % 3.91 dB
0.001 % 3.94 dB
0.0001 % 3.95 dB

Peak

3.95 dB
27.81 dBm

2 Graph

Gaussian
100 %

10
1
0.1
0.01
0.001
0.0001

0.00 dB

0.0001

17.6 BW 25.000 MHz

20.00 dB

Dec 12, 2016
11:36:21 AM

[illegible]

Keysight Spectrum Analyzer 1
Power Stat: CCDF

KEYSIGHT Input RF: 50.0
R1: Cor: CCOR
Freq Ref: Int (S)

Att: 40 dB
Trig: Free Run
RF Gain: Low
Center Freq: 1.770000000 GHz
Counts: 1.00 M1: 0.0 Mpt
Radio Std: None

1 Metrics

Average Power

23.28 dBm
44.29 % at 0.0 dB

10.0 %: 2.54 dB
1.0 %: 4.32 dB
0.1 %: 5.74 dB
0.01 %: 5.78 dB
0.001 %: 5.79 dB
0.0001 %: 5.79 dB

Peak

5.79 dB
29.07 dBm

2 Graph
Gaussian

0.0001 0.001 0.01 0.1 1 10 100

0.00 dB 20.00 dB

Info BW 25.000 MHz

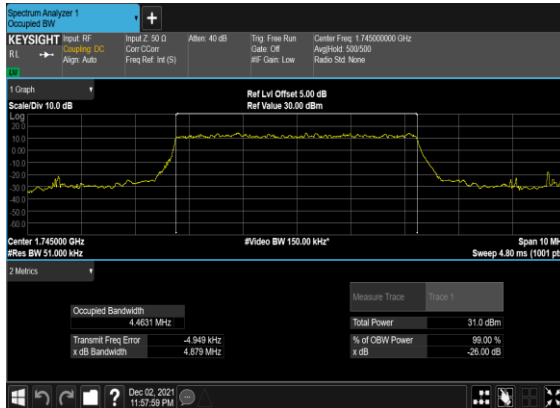
Dec-02, 2024 11:57:19 PM

Occupied Bandwidth

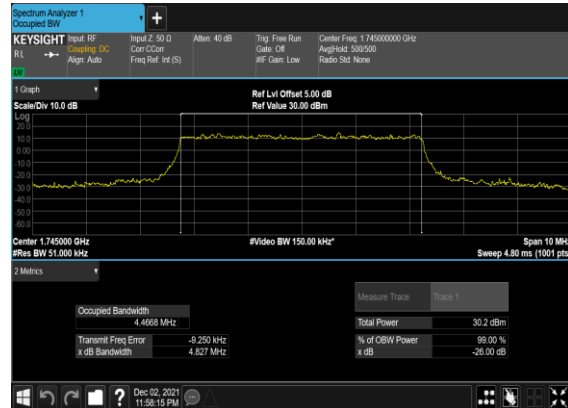
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
66	15	5	429000	1745.0	DFT-s-OFDM PI/2 BPSK	25@0	4.4631	4.879
66	15	5	429000	1745.0	DFT-s-OFDM QPSK	25@0	4.4668	4.827
66	15	5	429000	1745.0	CP-OFDM QPSK	25@0	4.4802	4.955
66	15	5	429000	1745.0	CP-OFDM 16 QAM	25@0	4.4768	4.9
66	15	5	429000	1745.0	CP-OFDM 64 QAM	25@0	4.4811	4.944
66	15	5	429000	1745.0	CP-OFDM 256 QAM	25@0	4.4739	4.98
66	15	10	429000	1745.0	DFT-s-OFDM PI/2 BPSK	50@0	8.8913	9.491
66	15	10	429000	1745.0	DFT-s-OFDM QPSK	50@0	8.9061	9.494
66	15	10	429000	1745.0	CP-OFDM QPSK	52@0	9.2832	9.955
66	15	10	429000	1745.0	CP-OFDM 16 QAM	52@0	9.273	9.884
66	15	10	429000	1745.0	CP-OFDM 64 QAM	52@0	9.2758	9.897
66	15	10	429000	1745.0	CP-OFDM 256 QAM	52@0	9.2943	9.904
66	15	15	429000	1745.0	DFT-s-OFDM PI/2 BPSK	75@0	13.39	14.12
66	15	15	429000	1745.0	DFT-s-OFDM QPSK	75@0	13.396	14.14
66	15	15	429000	1745.0	CP-OFDM QPSK	79@0	14.094	14.89
66	15	15	429000	1745.0	CP-OFDM 16 QAM	79@0	14.115	14.88
66	15	15	429000	1745.0	CP-OFDM 64 QAM	79@0	14.124	14.94
66	15	15	429000	1745.0	CP-OFDM 256 QAM	79@0	14.084	14.88
66	15	20	429000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	17.874	18.75
66	15	20	429000	1745.0	DFT-s-OFDM QPSK	100@0	17.871	18.74
66	15	20	429000	1745.0	CP-OFDM QPSK	106@0	18.935	19.77
66	15	20	429000	1745.0	CP-OFDM 16 QAM	106@0	18.93	20.4
66	15	20	429000	1745.0	CP-OFDM 64 QAM	106@0	18.947	19.73
66	15	20	429000	1745.0	CP-OFDM 256 QAM	106@0	18.997	19.93
66	15	40	429000	1745.0	DFT-s-OFDM PI/2 BPSK	216@0	38.627	39.93

66	15	40	429000	1745.0	DFT-s-OFDM QPSK	216@0	38.619	40.02
66	15	40	429000	1745.0	CP-OFDM QPSK	216@0	38.541	39.96
66	15	40	429000	1745.0	CP-OFDM 16 QAM	216@0	38.558	39.93
66	15	40	429000	1745.0	CP-OFDM 64 QAM	216@0	38.574	39.87
66	15	40	429000	1745.0	CP-OFDM 256 QAM	216@0	38.554	39.94

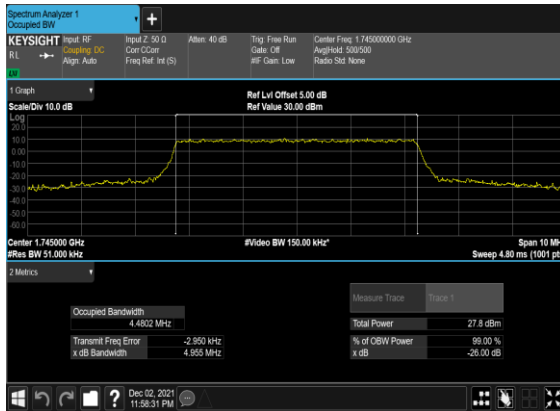
B7_N66(5M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



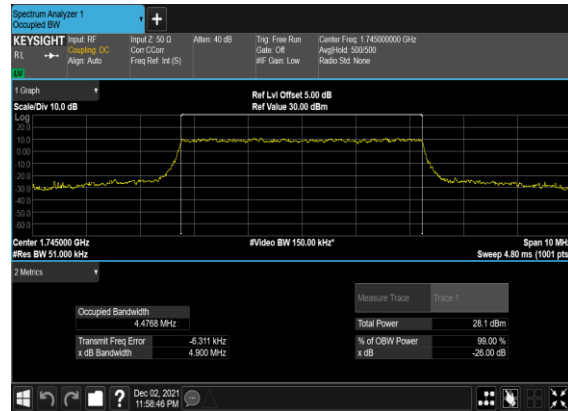
B7_N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



B7_N66(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



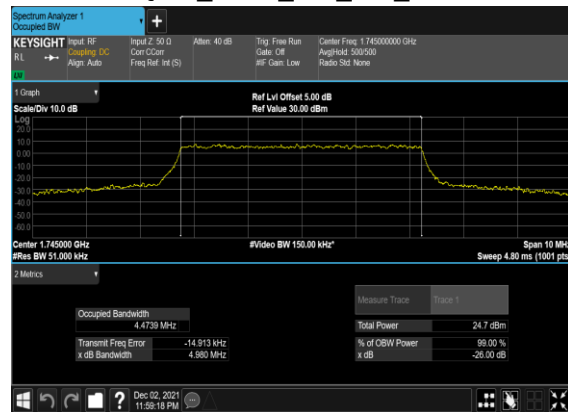
B7_N66(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



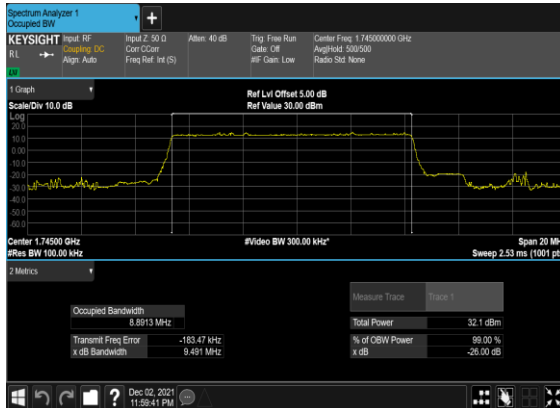
B7_N66(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



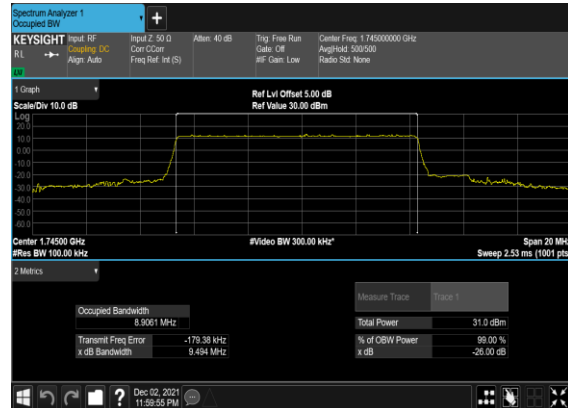
B7_N66(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



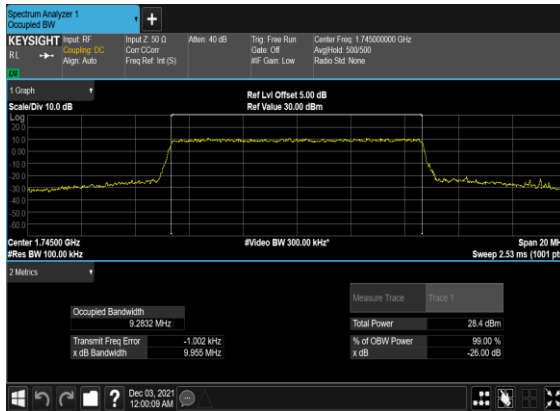
B7_N66(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



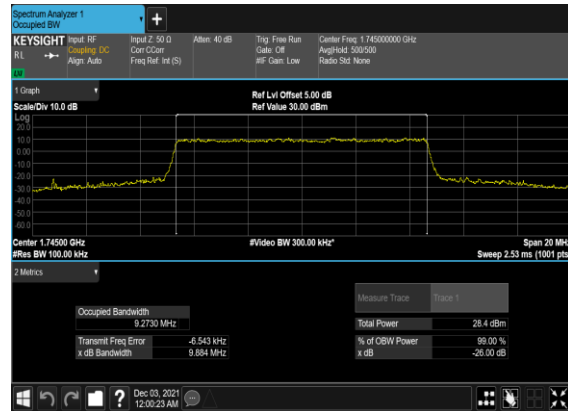
B7_N66(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



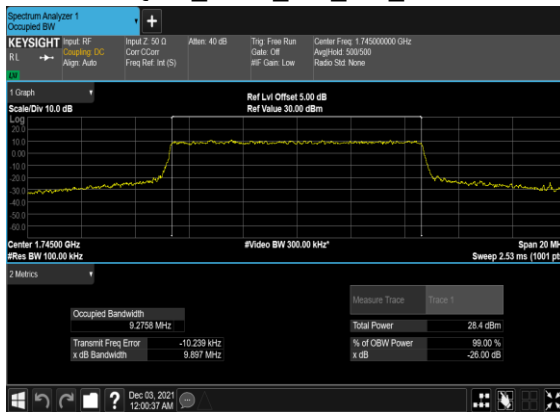
B7_N66(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



B7_N66(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B7_N66(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



B7_N66(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

