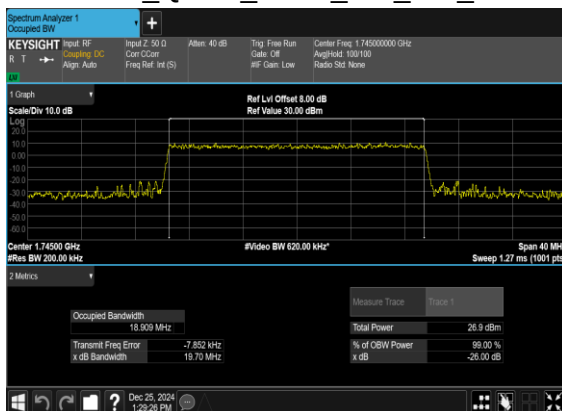
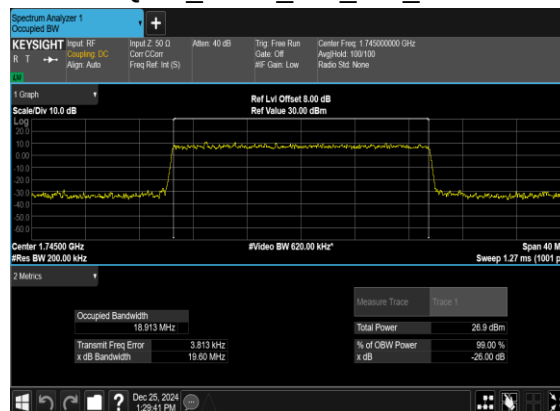




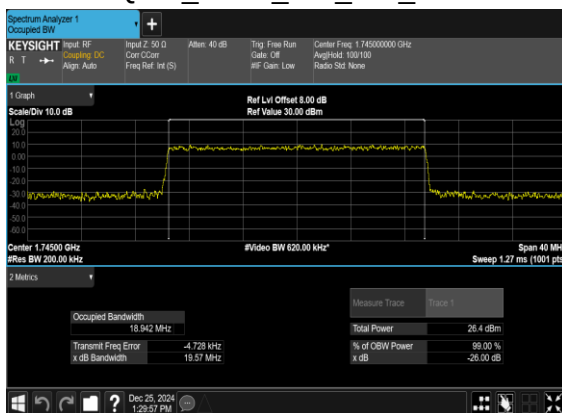
N66(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



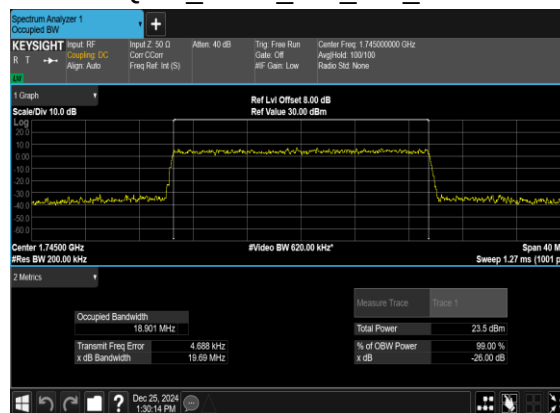
N66(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N66(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

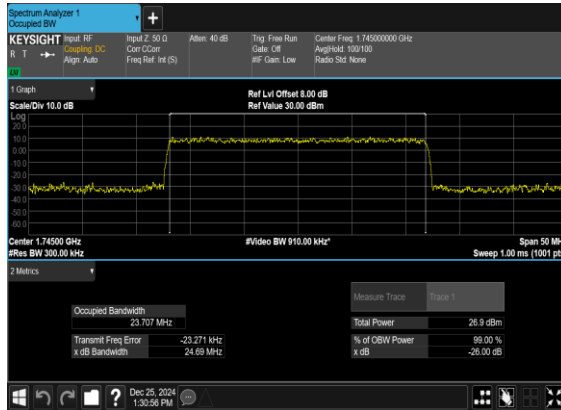


N66(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

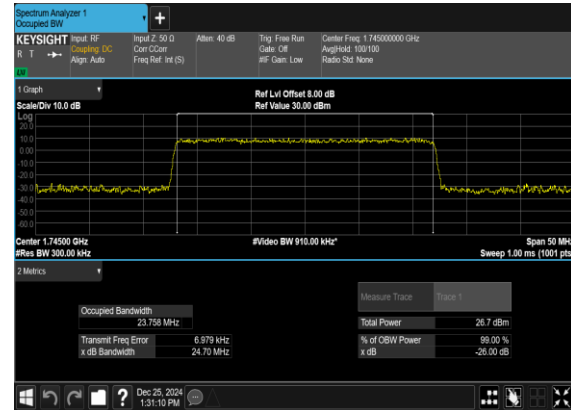




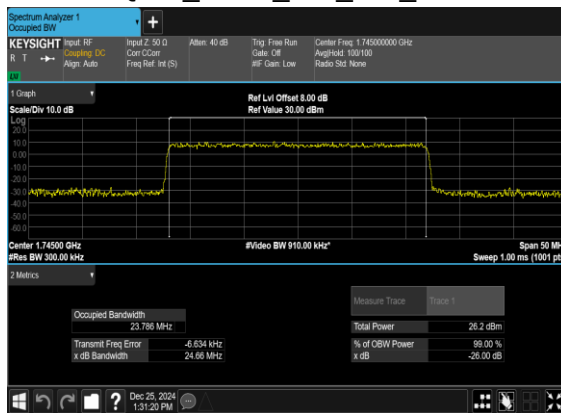
N66(25M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



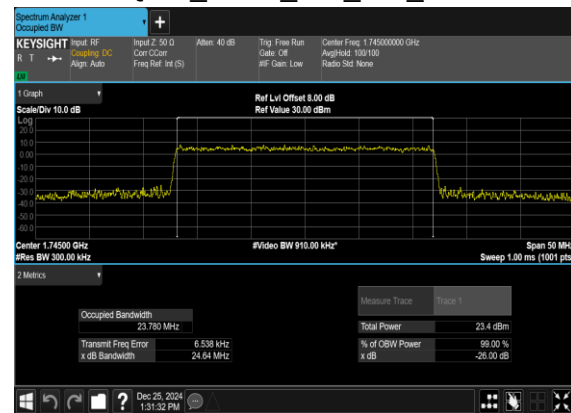
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QAM_Outer_Full_Mid_CH



N66(25M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

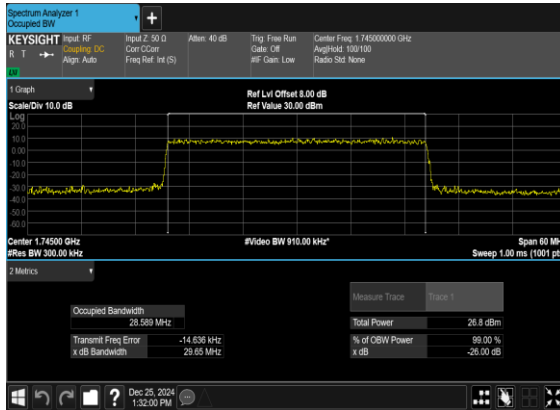


N66(25M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

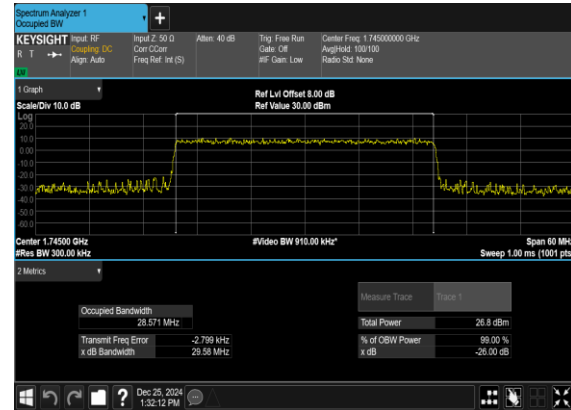




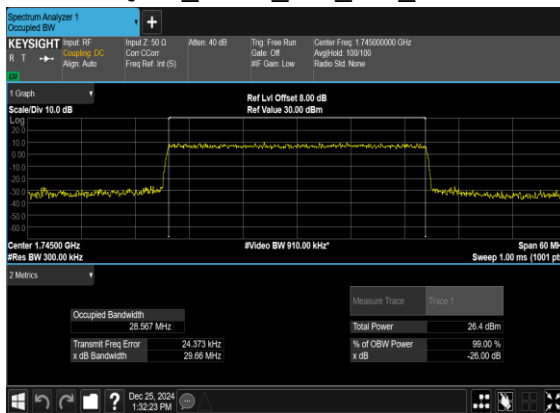
N66(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



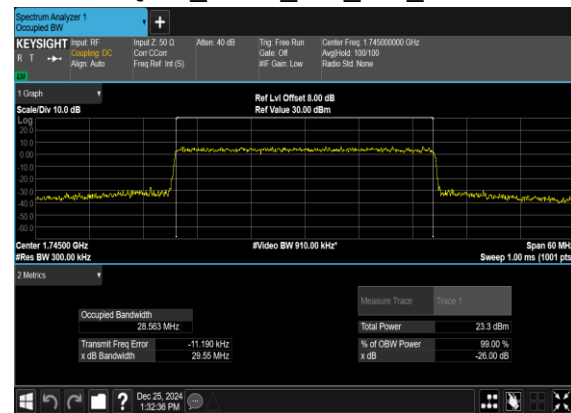
N66(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N66(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

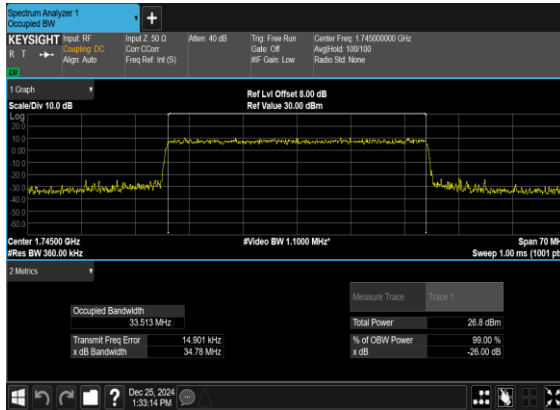


N66(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

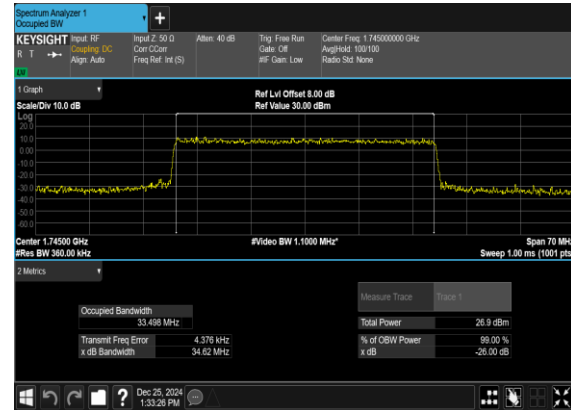




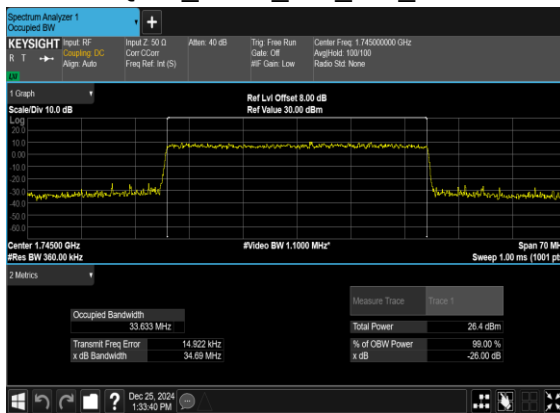
N66(35M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



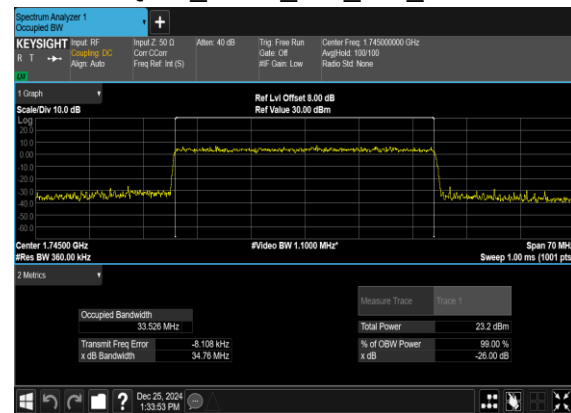
N66(35M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N66(35M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

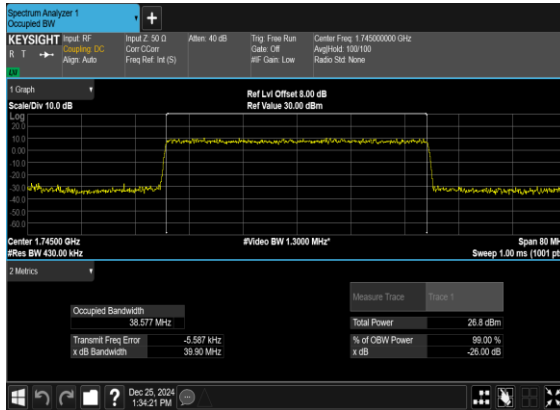


N66(35M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

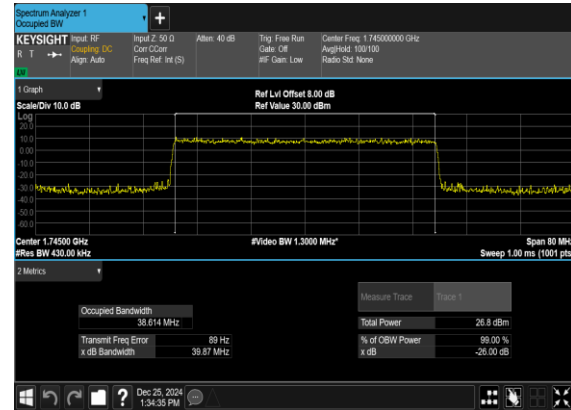




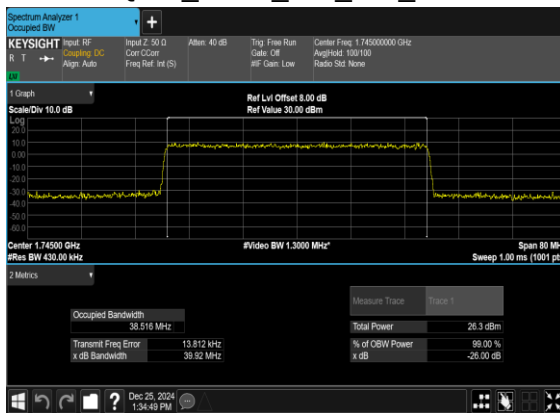
N66(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



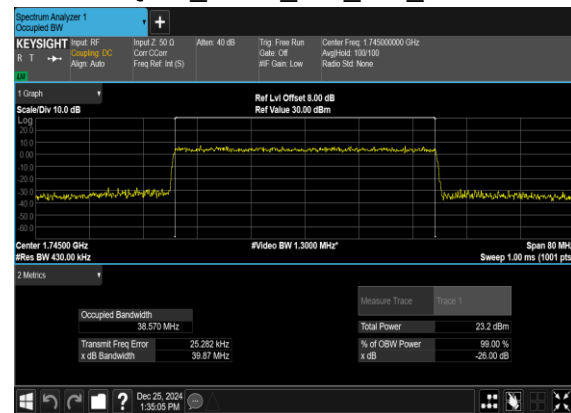
N66(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N66(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

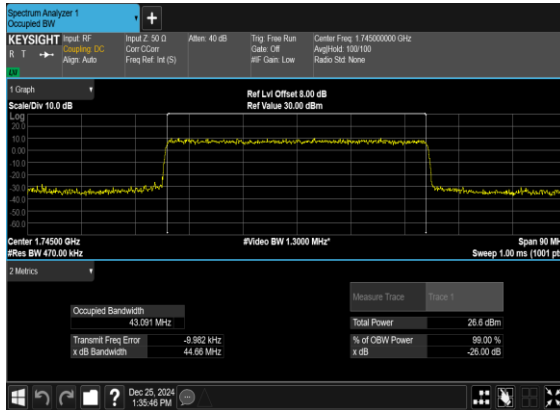


N66(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

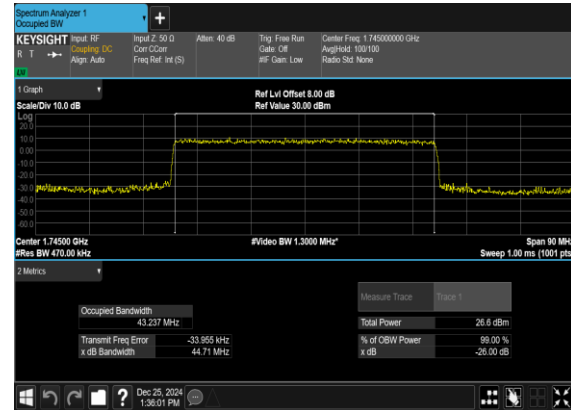




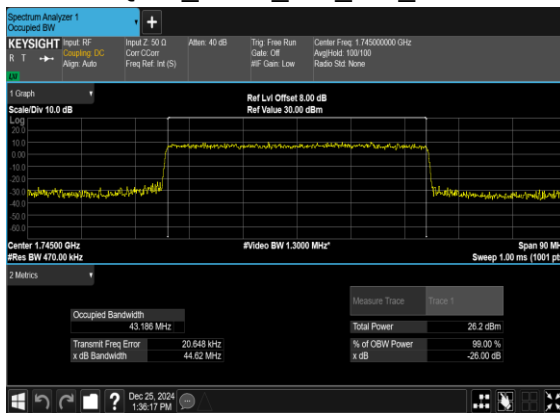
N66(45M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



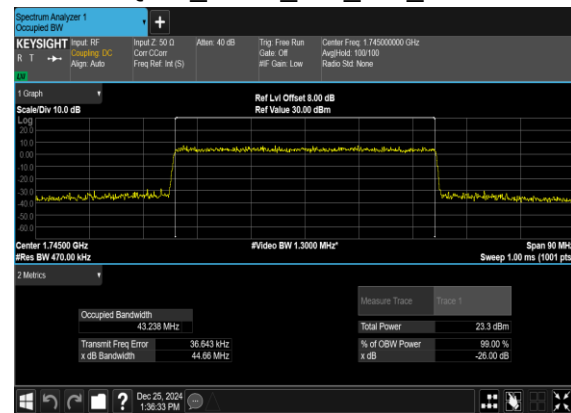
N66(45M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N66(45M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N66(45M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

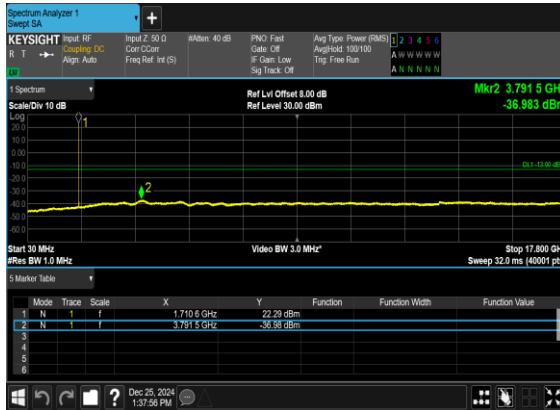
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	25	344500	1722.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	25	344500	1722.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	25	344500	1722.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	25	344500	1722.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	25	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	25	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	25	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---



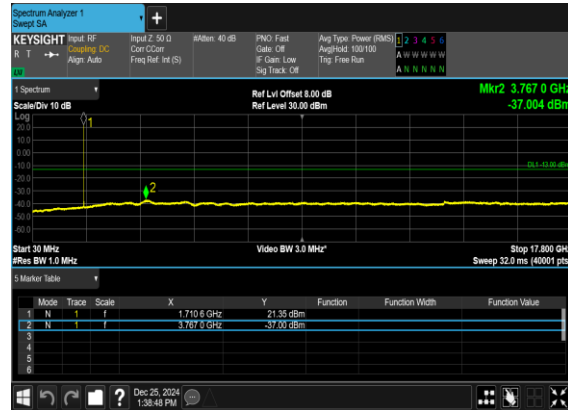
66	15	25	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	25	353500	1767.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	25	353500	1767.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	25	353500	1767.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	25	353500	1767.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	45	346500	1732.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	45	346500	1732.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	45	346500	1732.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	45	346500	1732.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	45	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	45	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	45	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	45	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	45	351500	1757.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	45	351500	1757.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	45	351500	1757.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	45	351500	1757.5	DFT-s-OFDM QPSK	1@0	see graph	PASS



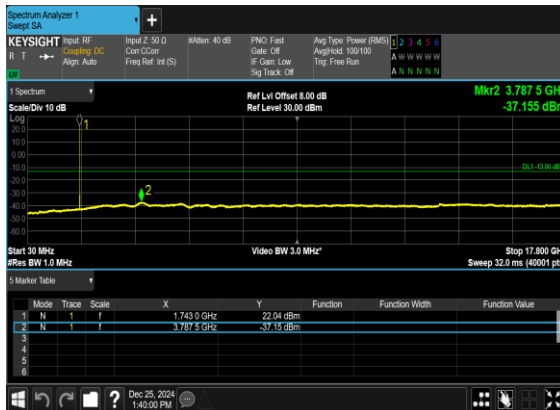
N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



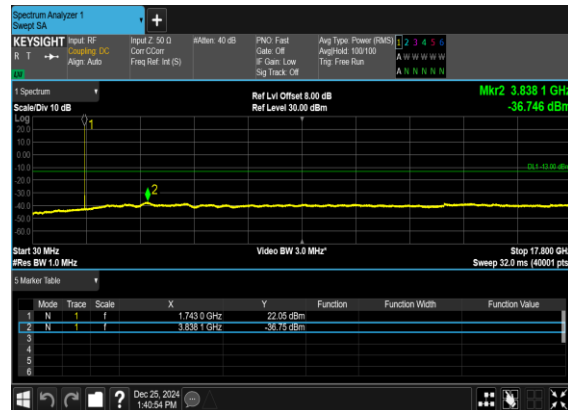
N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

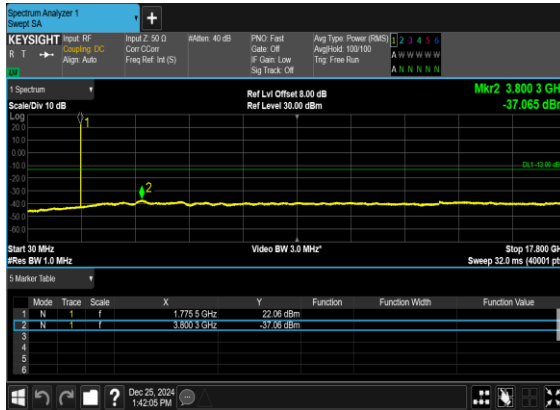


N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

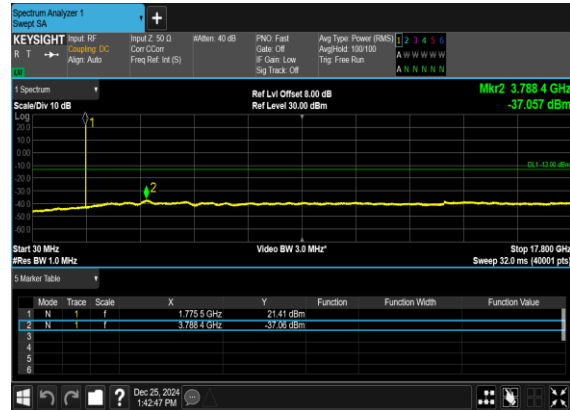




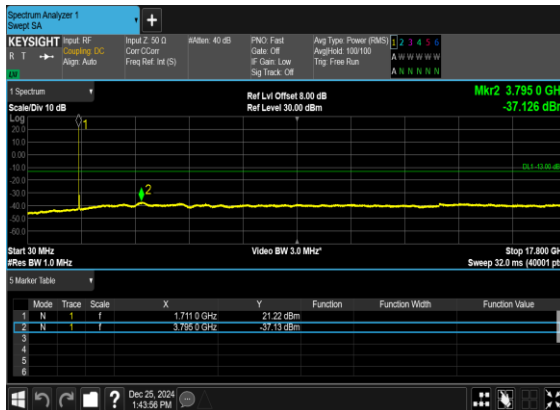
N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



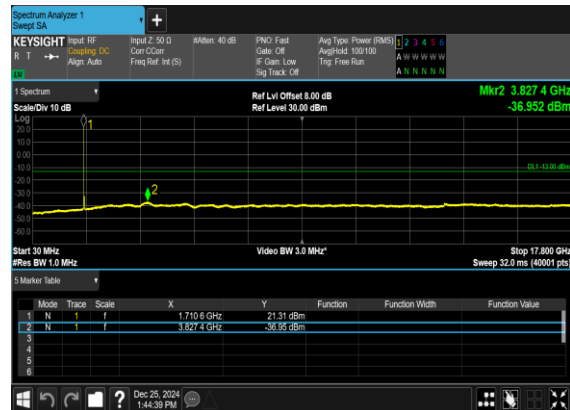
N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N66(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH

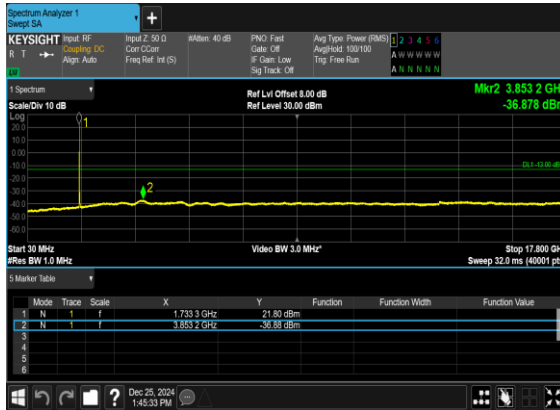


N66(25M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

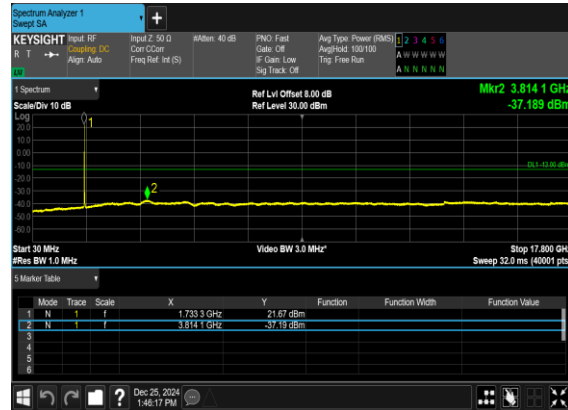




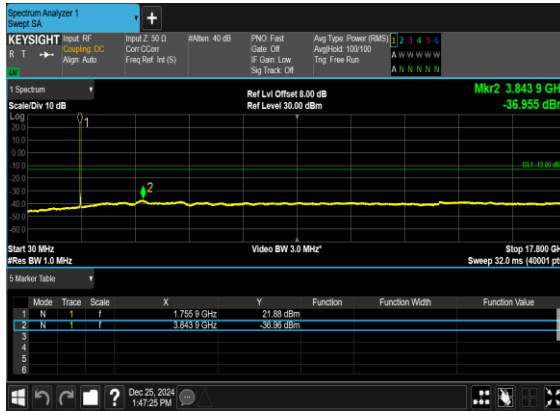
N66(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



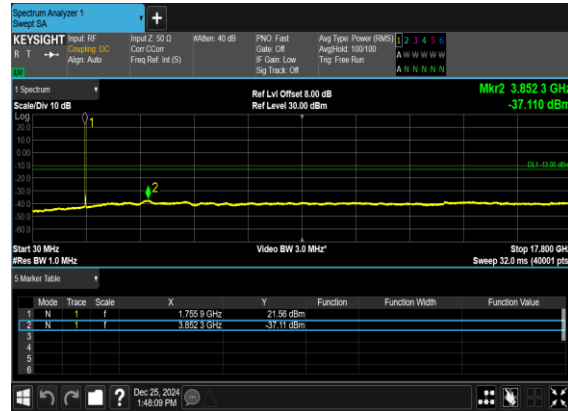
N66(25M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N66(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH

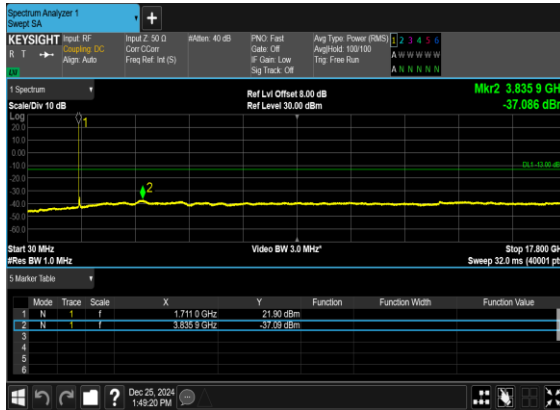


N66(25M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

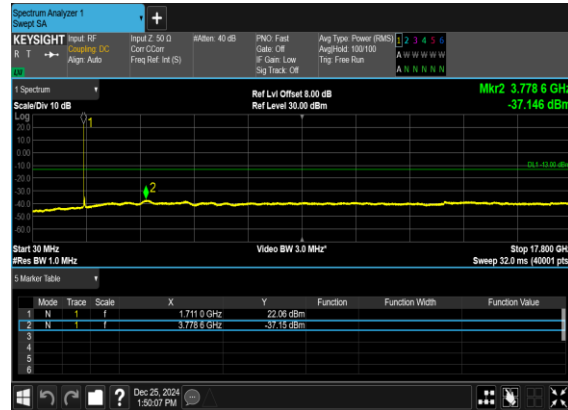




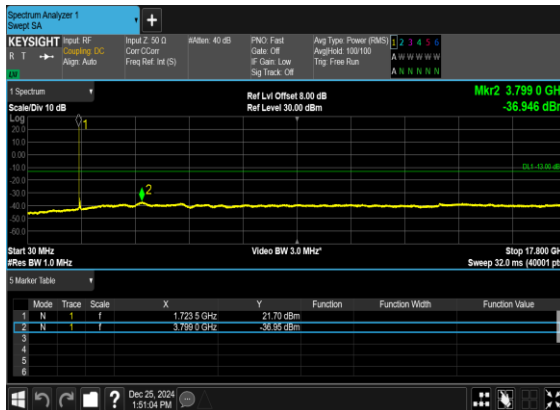
N66(45M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



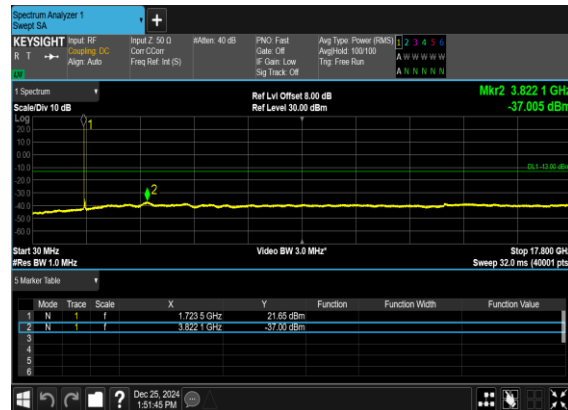
N66(45M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N66(45M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N66(45M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH





N66(45M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N66(45M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



**Conducted Band Edge**

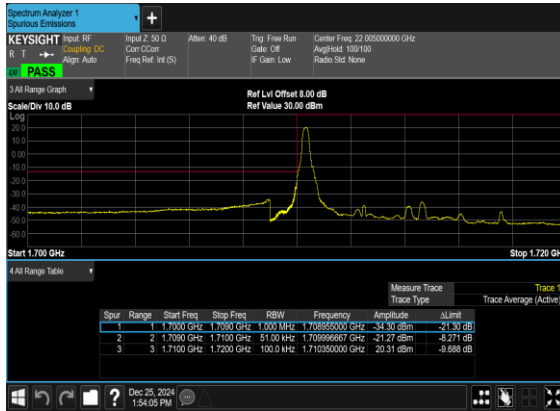
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
66	15	25	344500	1722.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	25	344500	1722.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	25	344500	1722.5	DFT-s-OFDM BPSK	128@0	see graph	PASS
66	15	25	344500	1722.5	DFT-s-OFDM QPSK	128@0	see graph	PASS
66	15	25	353500	1767.5	DFT-s-OFDM BPSK	1@132	see graph	PASS
66	15	25	353500	1767.5	DFT-s-OFDM QPSK	1@132	see graph	PASS
66	15	25	353500	1767.5	DFT-s-OFDM BPSK	128@0	see graph	PASS
66	15	25	353500	1767.5	DFT-s-OFDM QPSK	128@0	see graph	PASS
66	15	45	346500	1732.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	45	346500	1732.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	45	346500	1732.5	DFT-s-OFDM BPSK	240@0	see graph	PASS



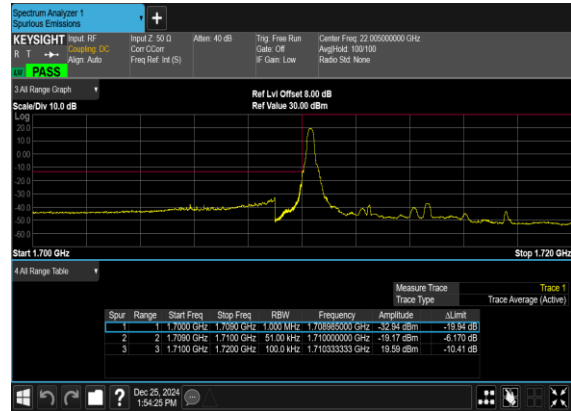
66	15	45	346500	1732.5	DFT-s-OFDM QPSK	240@0	see graph	PASS
66	15	45	351500	1757.5	DFT-s-OFDM BPSK	1@241	see graph	PASS
66	15	45	351500	1757.5	DFT-s-OFDM QPSK	1@241	see graph	PASS
66	15	45	351500	1757.5	DFT-s-OFDM BPSK	240@0	see graph	PASS
66	15	45	351500	1757.5	DFT-s-OFDM QPSK	240@0	see graph	PASS



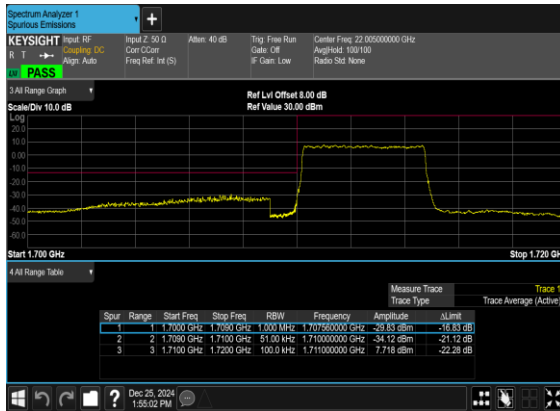
N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



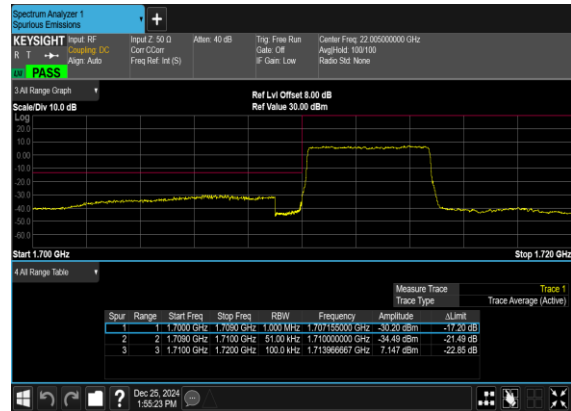
N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N66(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

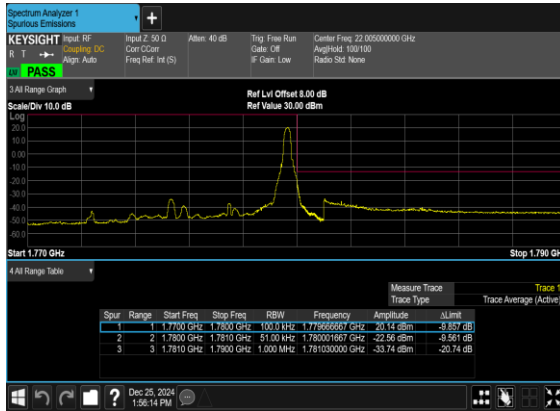


N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

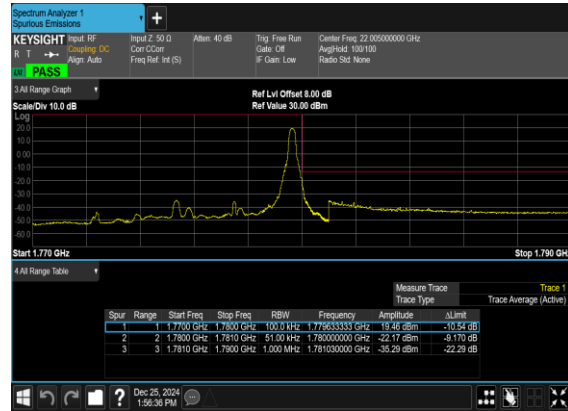




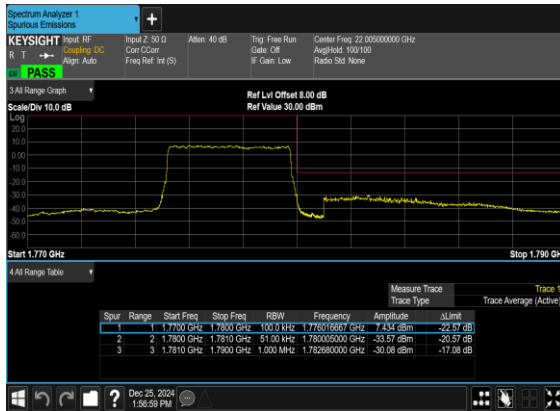
N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



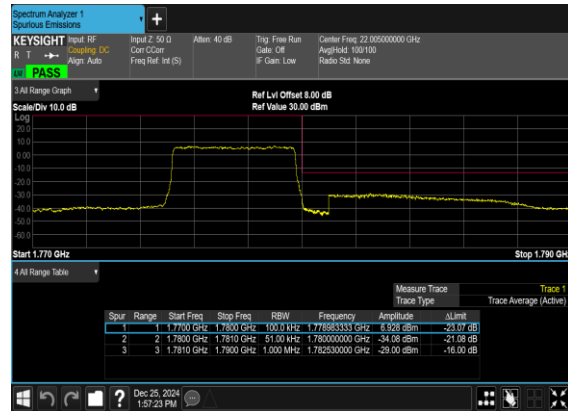
N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N66(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

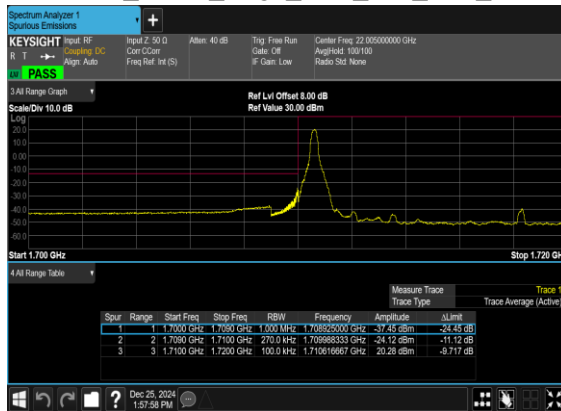


N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

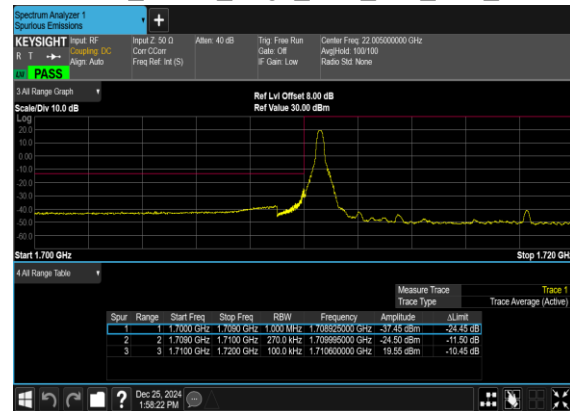




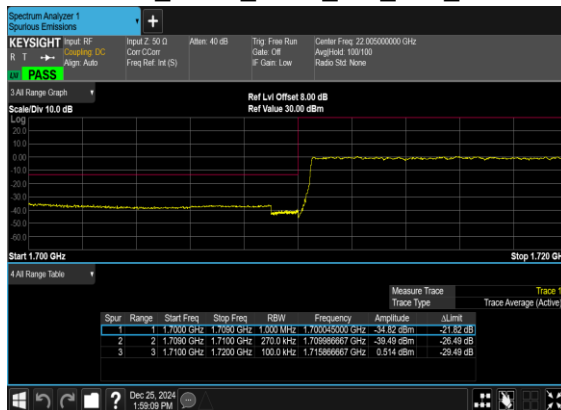
N66(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



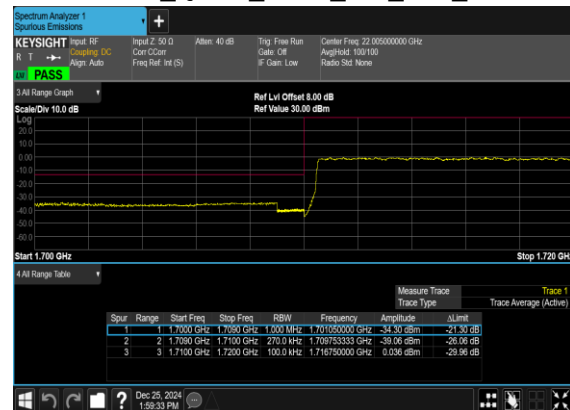
N66(25M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N66(25M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

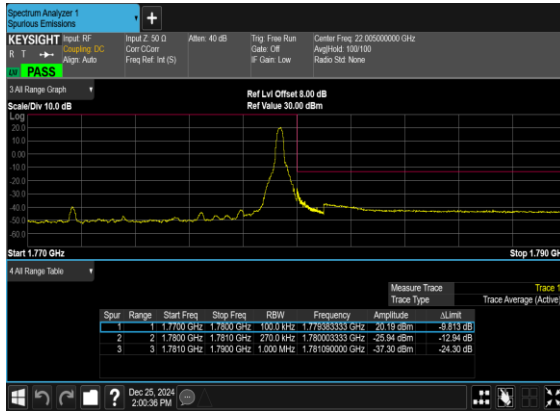


N66(25M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

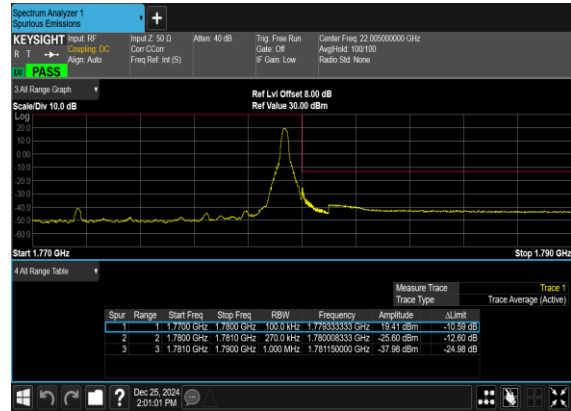




N66(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



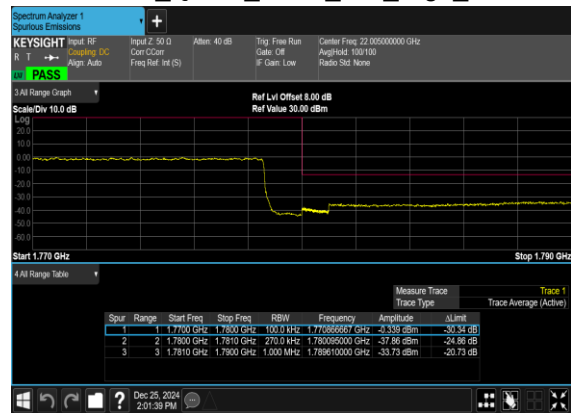
N66(25M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N66(25M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

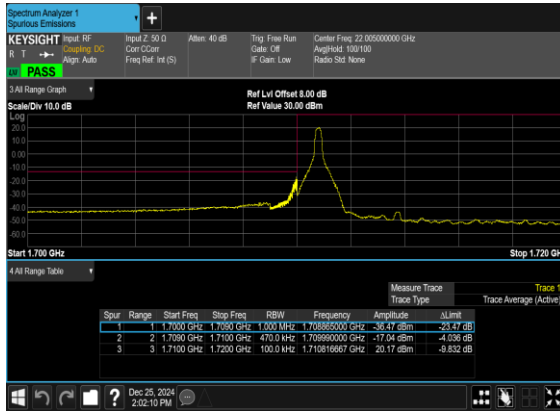


N66(25M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

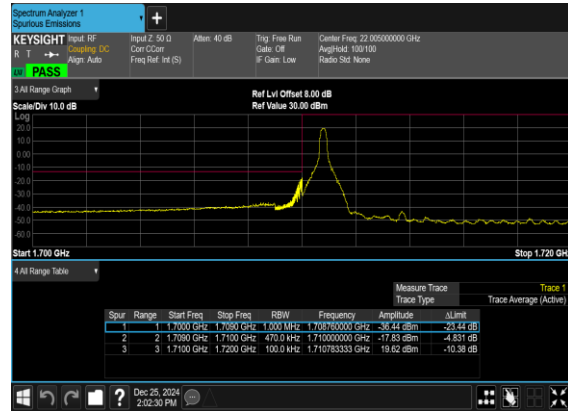




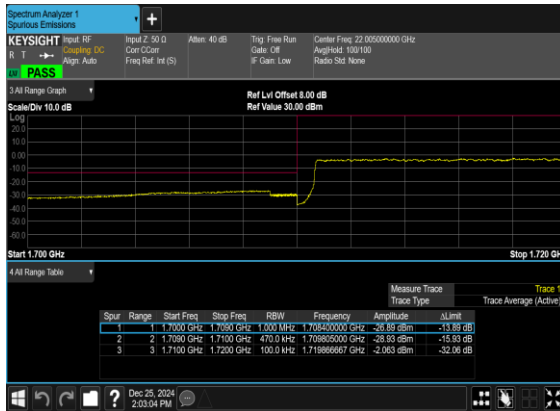
N66(45M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



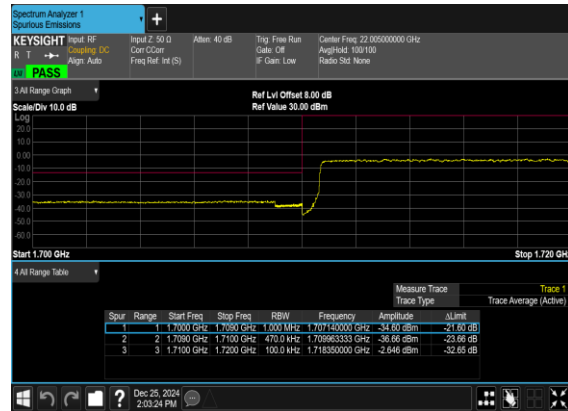
N66(45M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N66(45M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

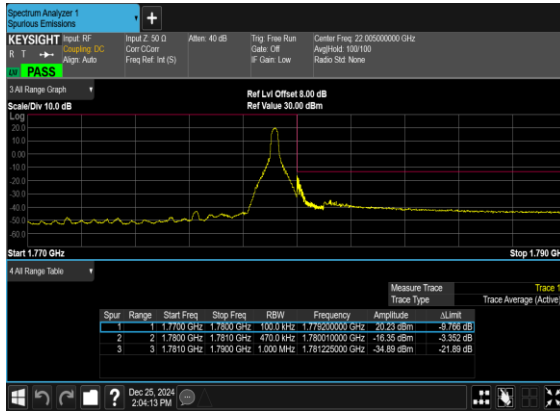


N66(45M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

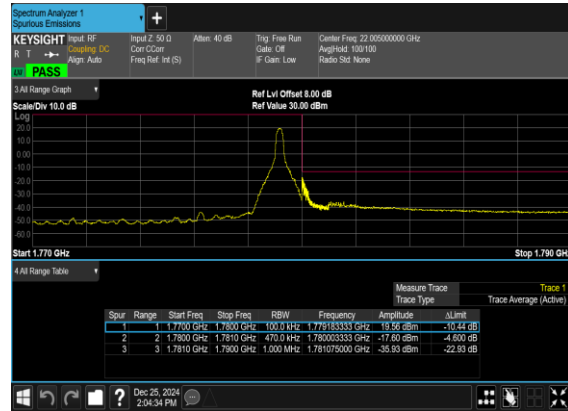




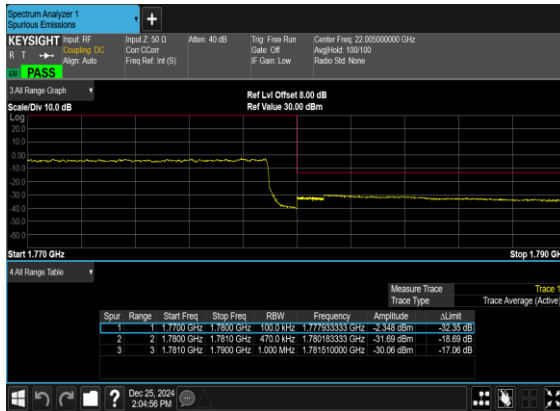
N66(45M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



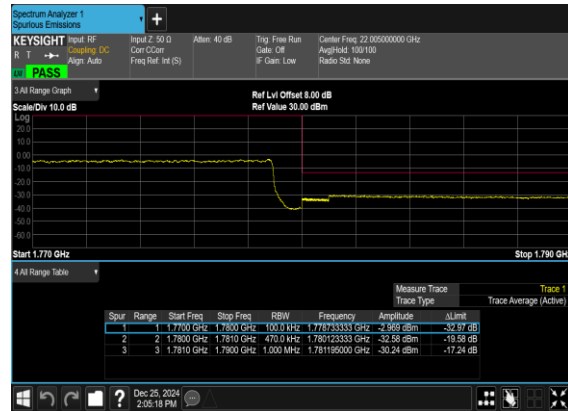
N66(45M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N66(45M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N66(45M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N66 Other PA

LTE Band: 2, LTE BW: 10M, LTE ARFCN: Mid

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	13.5	PASS	NV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	18.5	PASS	LV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	13	PASS	HV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	17	PASS	-30°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	18.9	PASS	-20°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	15.2	PASS	-10°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	16.6	PASS	0°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	18.3	PASS	10°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	13.5	PASS	20°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	12.9	PASS	30°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	18.1	PASS	40°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	17.8	PASS	50°C

 $|\text{MAX}(\Delta f)| = 18.9 \text{ Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	1710.5294811	$\geq 1710 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	1779.3916189	$\leq 1780 \text{ MHz}$	

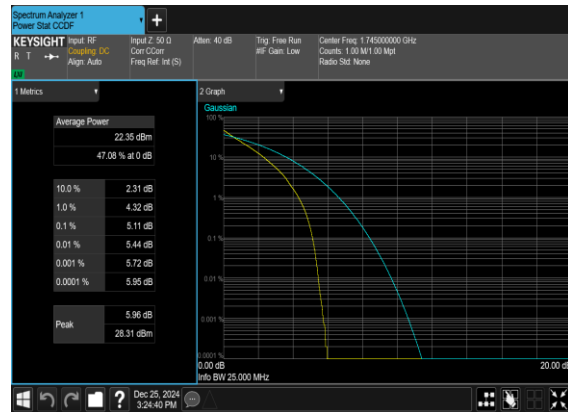
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	4.07	13	PASS
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	5.11	13	PASS

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



B2_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH





Occupied Bandwidth

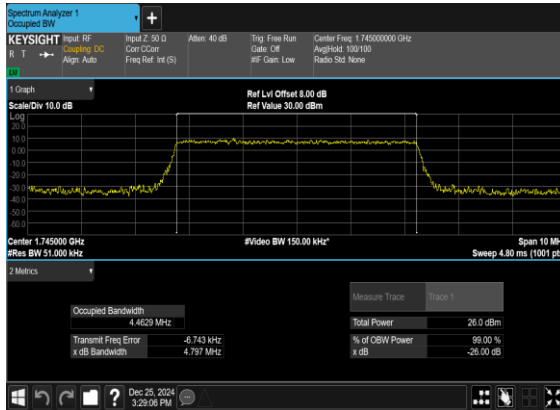
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
66	15	5	349000	1745.0	CP-OFDM QPSK	25@0	4.4629	4.797
66	15	5	349000	1745.0	CP-OFDM 16 QAM	25@0	4.4572	4.784
66	15	5	349000	1745.0	CP-OFDM 64 QAM	25@0	4.477	4.778
66	15	5	349000	1745.0	CP-OFDM 256 QAM	25@0	4.4653	4.808
66	15	10	349000	1745.0	CP-OFDM QPSK	52@0	9.2636	9.753
66	15	10	349000	1745.0	CP-OFDM 16 QAM	52@0	9.2781	9.7
66	15	10	349000	1745.0	CP-OFDM 64 QAM	52@0	9.2808	9.717
66	15	10	349000	1745.0	CP-OFDM 256 QAM	52@0	9.2682	9.709
66	15	15	349000	1745.0	CP-OFDM QPSK	79@0	14.086	14.7
66	15	15	349000	1745.0	CP-OFDM 16 QAM	79@0	14.108	14.64
66	15	15	349000	1745.0	CP-OFDM 64 QAM	79@0	14.087	14.67
66	15	15	349000	1745.0	CP-OFDM 256 QAM	79@0	14.081	14.63
66	15	20	349000	1745.0	CP-OFDM QPSK	106@0	18.908	19.62
66	15	20	349000	1745.0	CP-OFDM 16 QAM	106@0	18.889	19.68
66	15	20	349000	1745.0	CP-OFDM 64 QAM	106@0	18.878	19.61
66	15	20	349000	1745.0	CP-OFDM 256 QAM	106@0	18.868	19.69
66	15	25	349000	1745.0	CP-OFDM QPSK	133@0	23.779	24.69
66	15	25	349000	1745.0	CP-OFDM 16 QAM	133@0	23.727	24.68
66	15	25	349000	1745.0	CP-OFDM 64 QAM	133@0	23.754	24.68
66	15	25	349000	1745.0	CP-OFDM 256 QAM	133@0	23.733	24.7
66	15	30	349000	1745.0	CP-OFDM QPSK	160@0	28.593	29.53
66	15	30	349000	1745.0	CP-OFDM 16 QAM	160@0	28.491	29.66



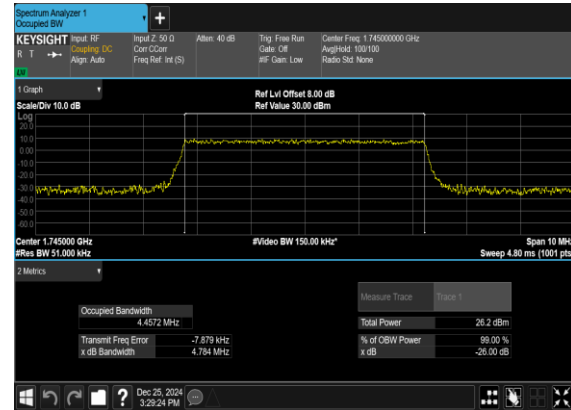
66	15	30	349000	1745.0	CP-OFDM 64 QAM	160@0	28.523	29.61
66	15	30	349000	1745.0	CP-OFDM 256 QAM	160@0	28.567	29.7
66	15	35	349000	1745.0	CP-OFDM QPSK	188@0	33.527	34.75
66	15	35	349000	1745.0	CP-OFDM 16 QAM	188@0	33.523	34.73
66	15	35	349000	1745.0	CP-OFDM 64 QAM	188@0	33.572	34.81
66	15	35	349000	1745.0	CP-OFDM 256 QAM	188@0	33.525	34.66
66	15	40	349000	1745.0	CP-OFDM QPSK	216@0	38.558	39.87
66	15	40	349000	1745.0	CP-OFDM 16 QAM	216@0	38.538	39.98
66	15	40	349000	1745.0	CP-OFDM 64 QAM	216@0	38.614	39.88
66	15	40	349000	1745.0	CP-OFDM 256 QAM	216@0	38.602	39.91
66	15	45	349000	1745.0	CP-OFDM QPSK	242@0	43.153	44.6
66	15	45	349000	1745.0	CP-OFDM 16 QAM	242@0	43.219	44.65
66	15	45	349000	1745.0	CP-OFDM 64 QAM	242@0	43.212	44.61
66	15	45	349000	1745.0	CP-OFDM 256 QAM	242@0	43.164	44.67



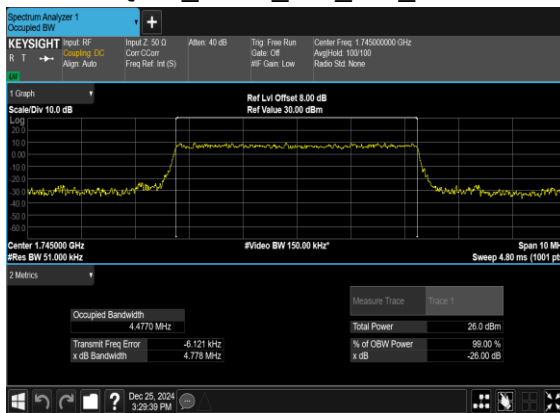
B2_N66(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



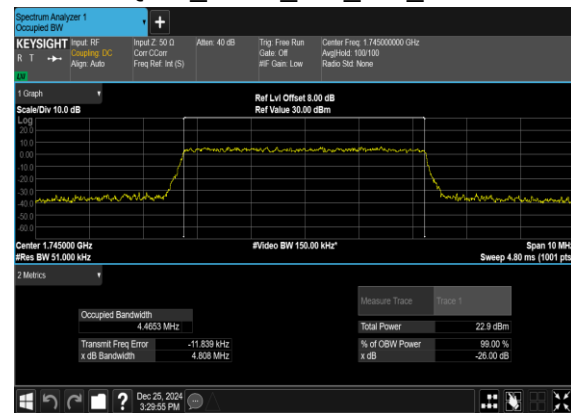
B2_N66(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B2_N66(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

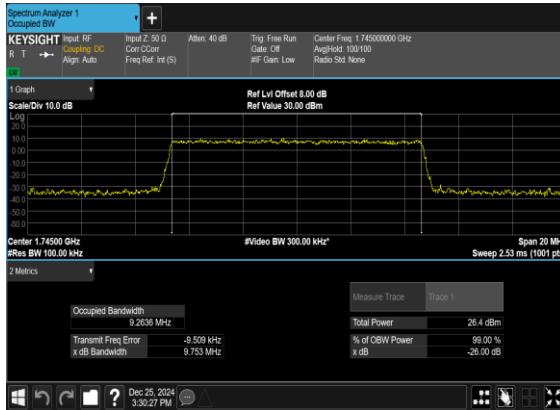


B2_N66(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

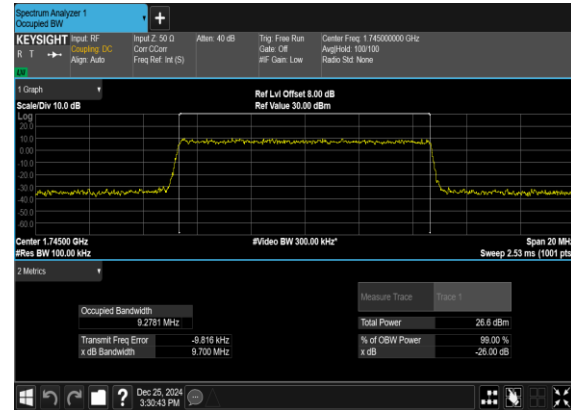




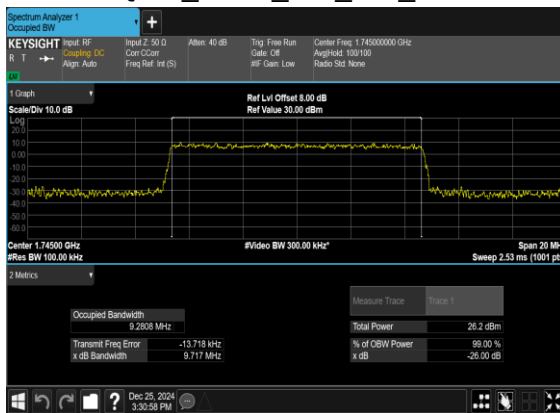
B2_N66(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



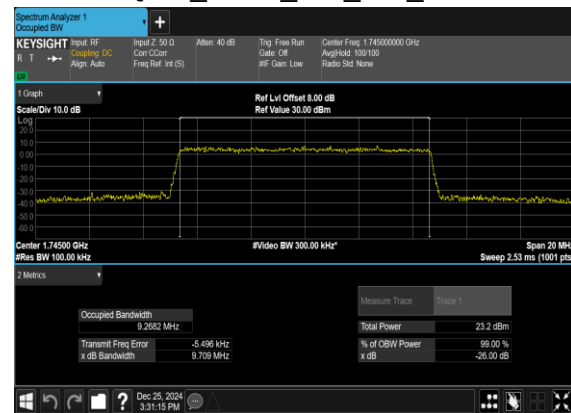
B2_N66(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B2_N66(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

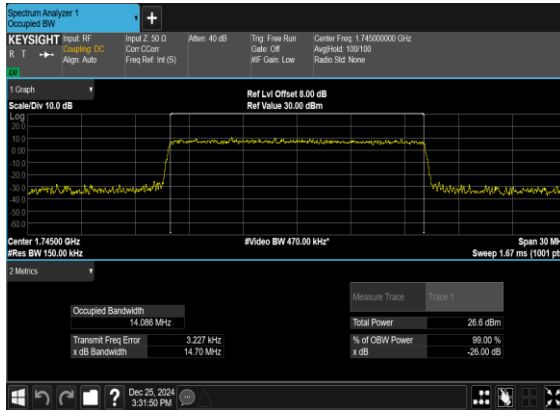


B2_N66(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

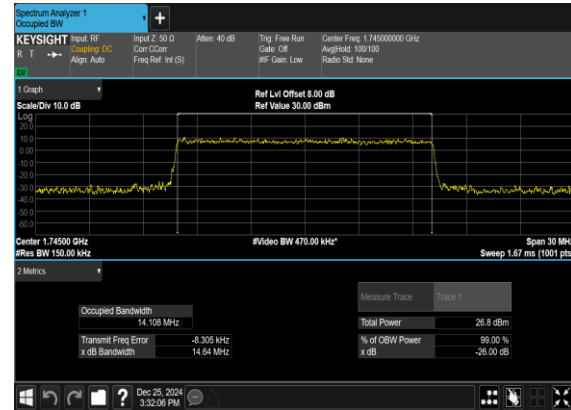




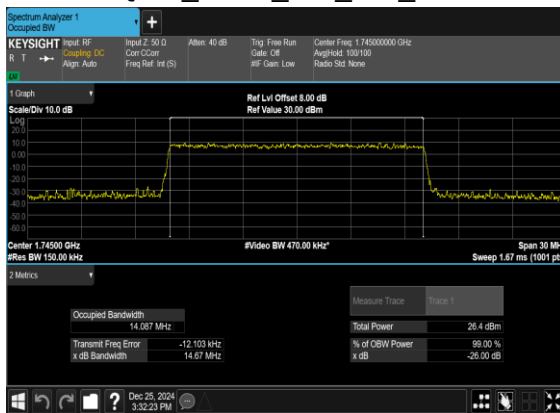
B2_N66(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



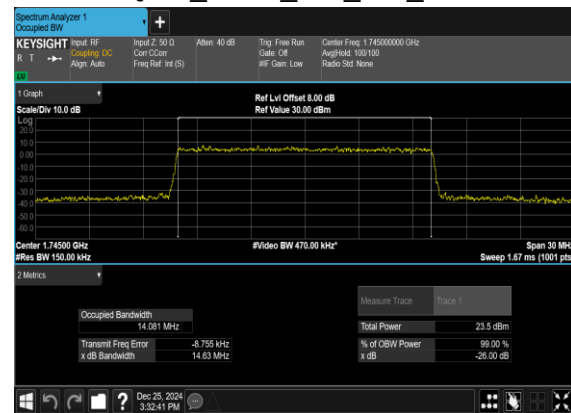
B2_N66(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B2_N66(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

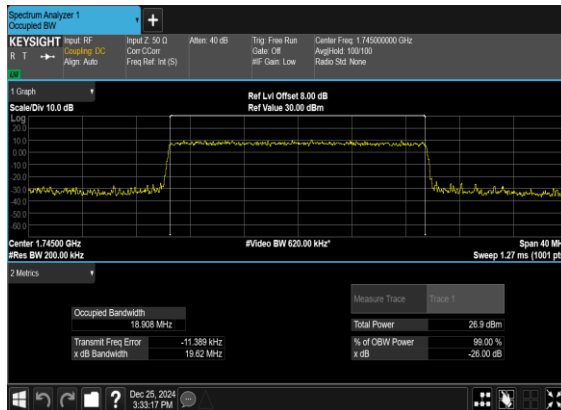


B2_N66(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

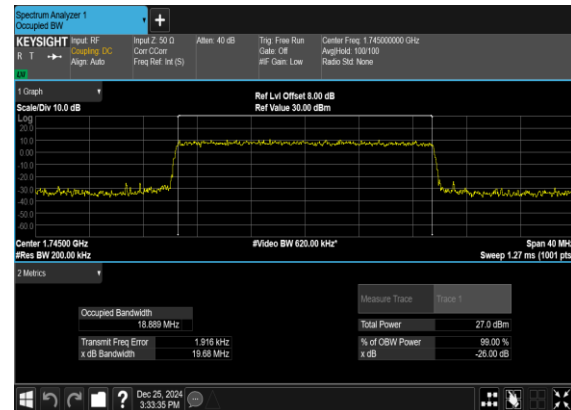




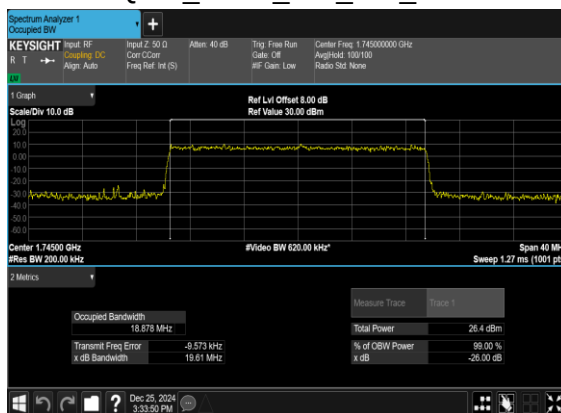
B2_N66(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



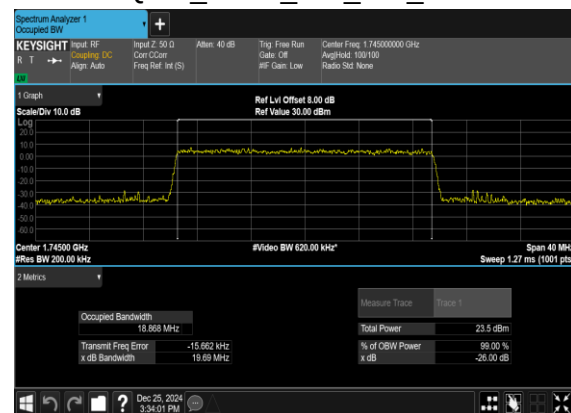
B2_N66(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B2_N66(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

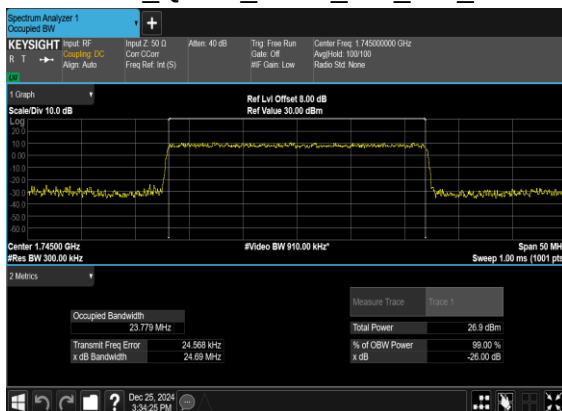


B2_N66(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

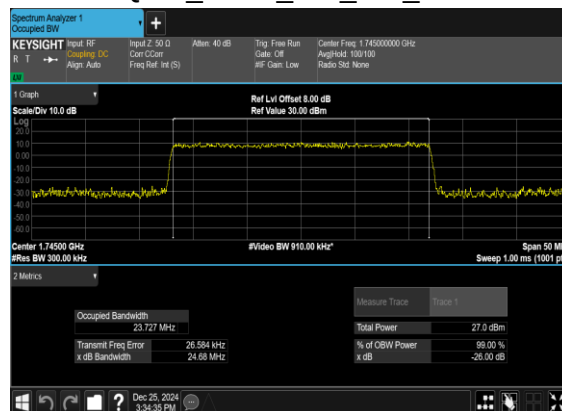




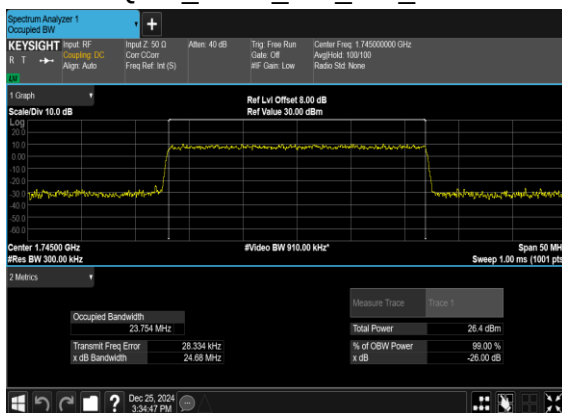
B2_N66(25M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



B2_N66(25M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B2_N66(25M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



B2_N66(25M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

