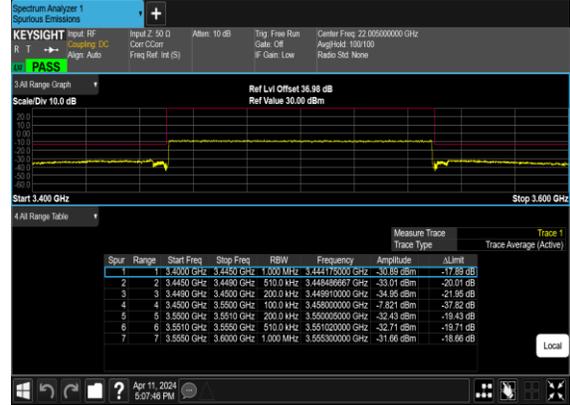


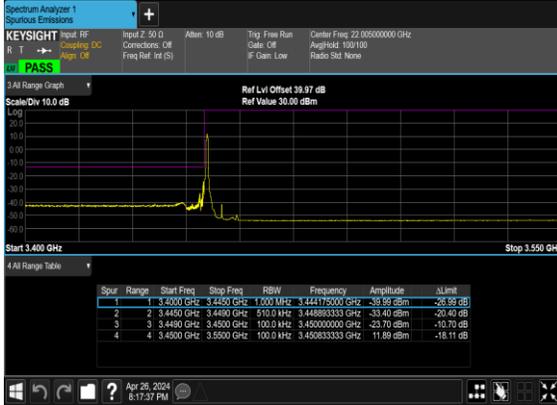
N77(100M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



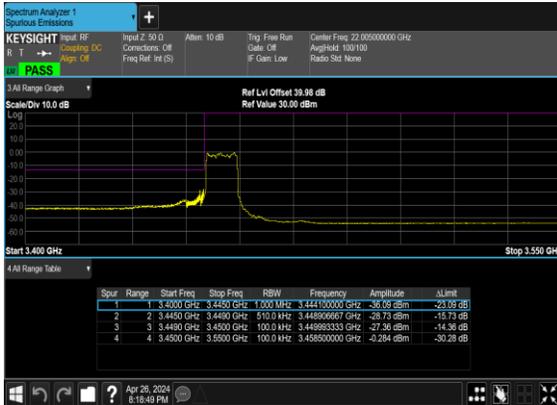
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



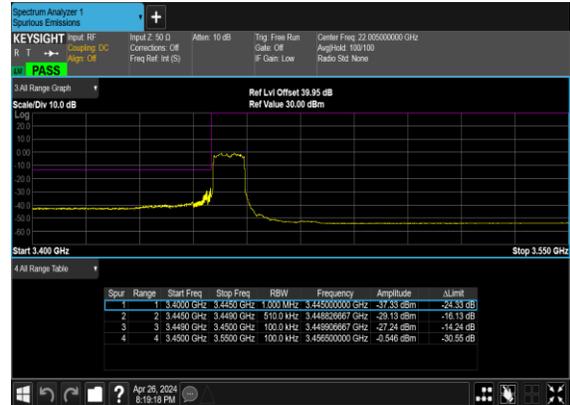
N77(10M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



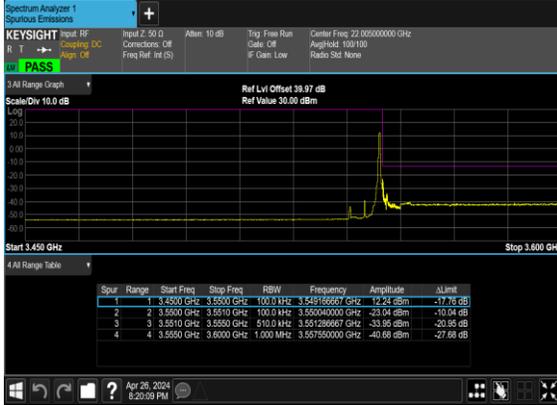
N77(10M)_CP- OFDM_QPSK_Outer_Full_Low_CH



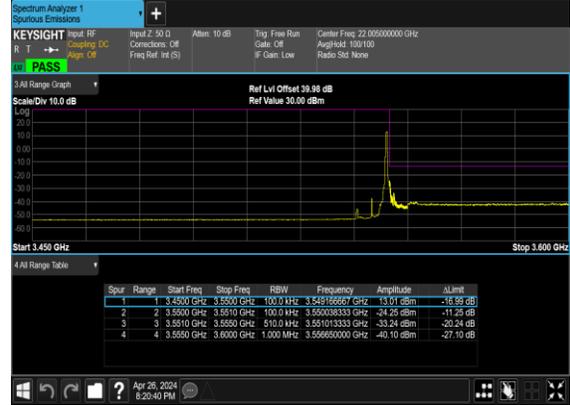
N77(10M)_CP-OFDM_16 QAM_Outer_Full_Low_CH



N77(10M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



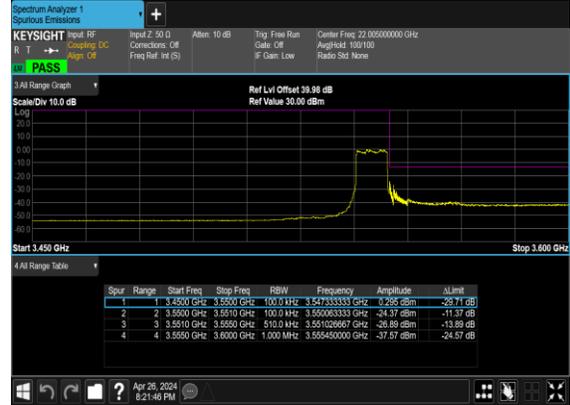
N77(10M)_CP-OFDM_16QAM_Edge_1RB_Right_High_CH



N77(10M)_CP-OFDM_QPSK_Outer_Full_High_CH



N77(10M)_CP-OFDM_16QAM_Outer_Full_High_CH



FR1 N77 MIMO (ANT 7+1)-ANT7

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	0.00217	PASS	NV
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	0.00328	PASS	LV
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	0.00258	PASS	HV
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	-0.00249	PASS	-30°C
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	0.00229	PASS	-20°C
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	0.00364	PASS	-10°C
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	0.00428	PASS	0°C
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	0.00255	PASS	10°C
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	0.00187	PASS	20°C
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	-0.00269	PASS	30°C
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	-0.00436	PASS	40°C
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	0.00245	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	6.74	13	PASS
77	30	20	633334	3500.01	CP-OFDM QPSK	1@0	7.29	13	PASS
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	6.72	13	PASS
77	30	20	633334	3500.01	CP-OFDM 16 QAM	1@0	7.04	13	PASS

N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH



Occupied Bandwidth

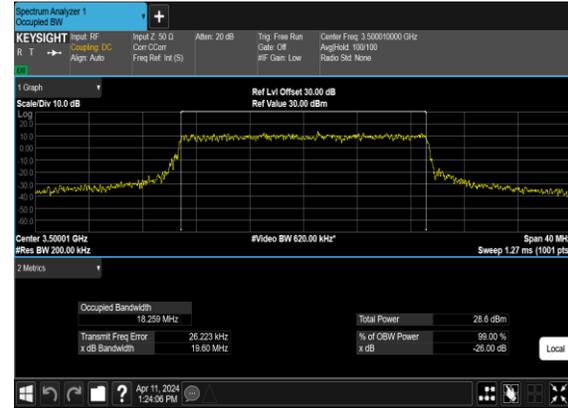
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.198	19.82
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.259	19.6
77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.198	19.56
77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.171	19.21
77	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.879	29.46
77	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.857	29.41
77	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.879	29.01
77	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.748	29.2
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.843	39.36
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.814	40.05
77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.896	39.63
77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.863	39.17
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.456	49.41
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.533	49.21
77	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.566	48.98
77	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.517	49.49
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.774	59.75
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.852	59.99
77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.871	60.0
77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.796	60.35
77	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.503	69.65
77	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.458	69.7
77	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.512	69.73
77	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.673	69.89
77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.439	79.95
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.491	80.19
77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.561	79.92
77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.491	80.27
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.722	90.28
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.412	90.28
77	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.392	90.29
77	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.567	90.23
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.453	100.4
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.591	100.5
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.609	100.6

77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.456	100.7
77	30	10	633334	3500.01	CP-OFDM QPSK	24@0	8.5626	9.781
77	30	10	633334	3500.01	CP-OFDM 16 QAM	24@0	8.5712	9.976
77	30	10	633334	3500.01	CP-OFDM 64 QAM	24@0	8.5747	9.485
77	30	10	633334	3500.01	CP-OFDM 256 QAM	24@0	8.5721	9.503
77	30	15	633334	3500.01	CP-OFDM QPSK	38@0	13.55	14.76
77	30	15	633334	3500.01	CP-OFDM 16 QAM	38@0	13.543	14.89
77	30	15	633334	3500.01	CP-OFDM 64 QAM	38@0	13.575	14.49
77	30	15	633334	3500.01	CP-OFDM 256 QAM	38@0	13.599	14.56
77	30	25	633334	3500.01	CP-OFDM QPSK	65@0	23.27	24.43
77	30	25	633334	3500.01	CP-OFDM 16 QAM	65@0	23.213	24.47
77	30	25	633334	3500.01	CP-OFDM 64 QAM	65@0	23.264	24.74
77	30	25	633334	3500.01	CP-OFDM 256 QAM	65@0	23.24	24.53

N77(20M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N77(30M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



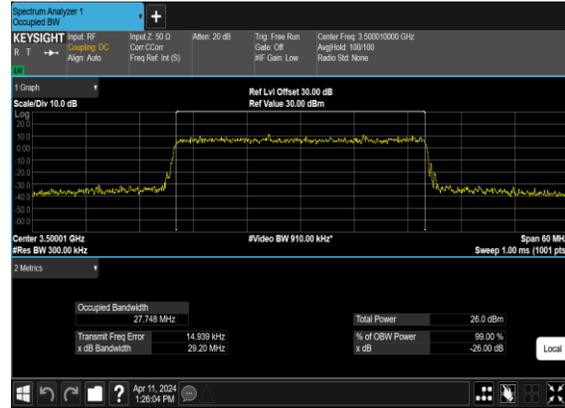
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N77(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



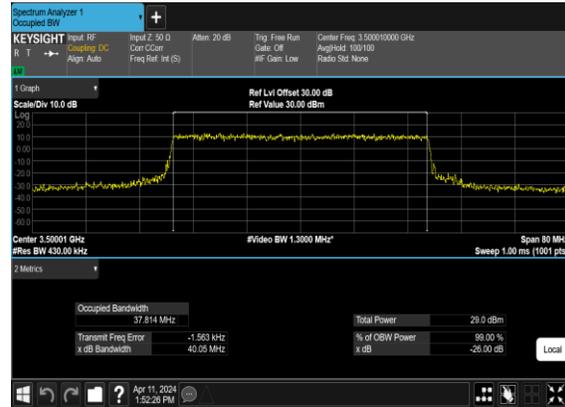
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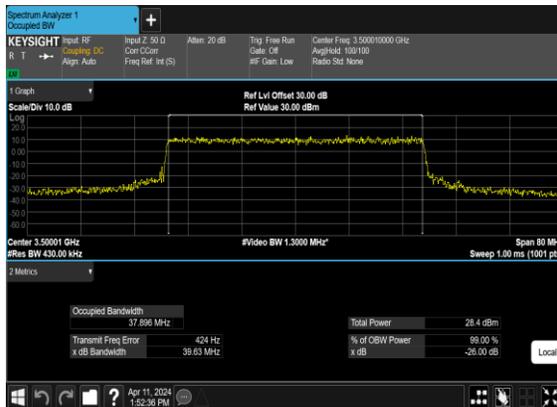
N77(40M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



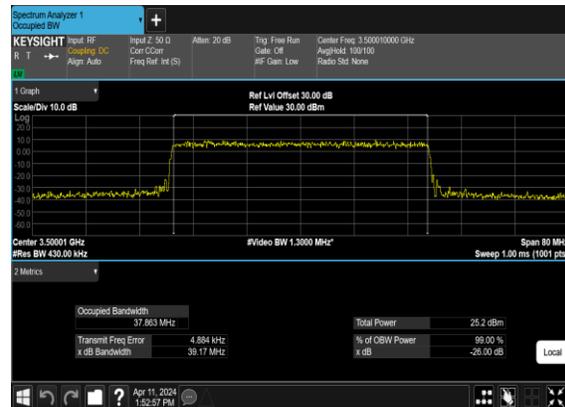
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N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



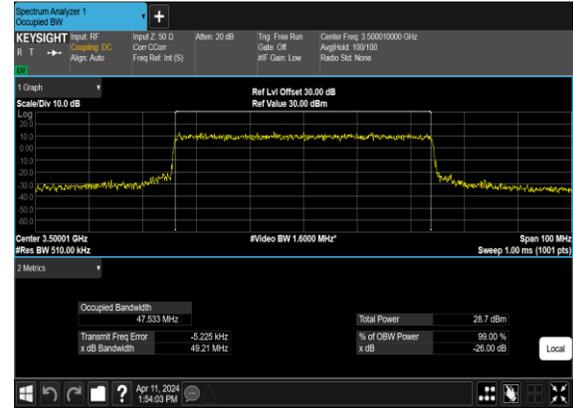
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N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



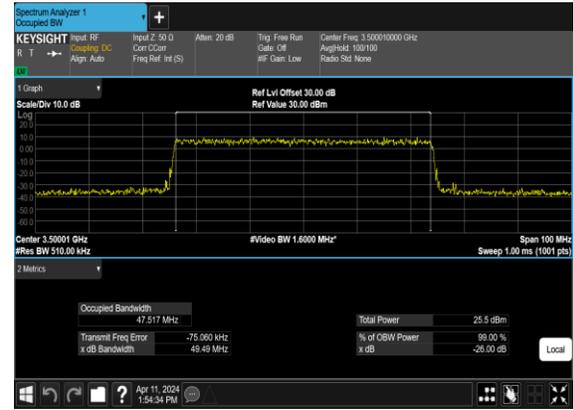
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N77(50M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



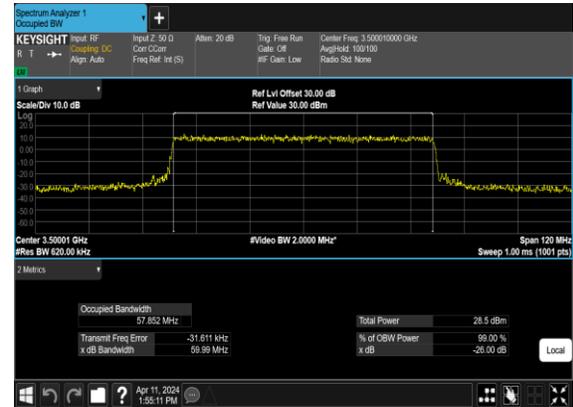
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N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



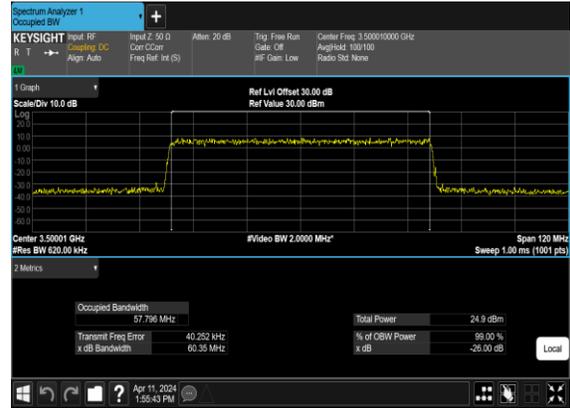
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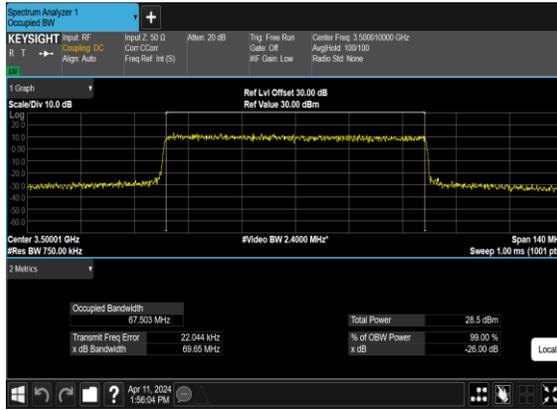
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N77(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N77(70M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



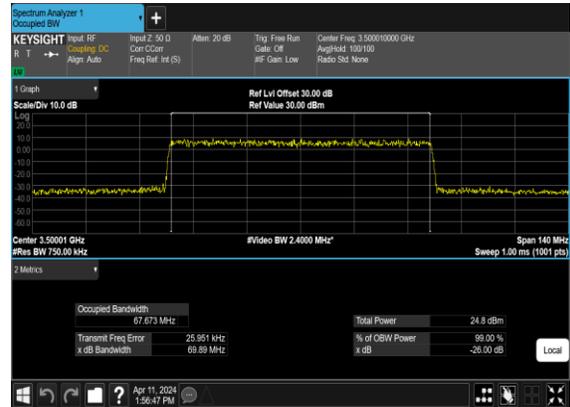
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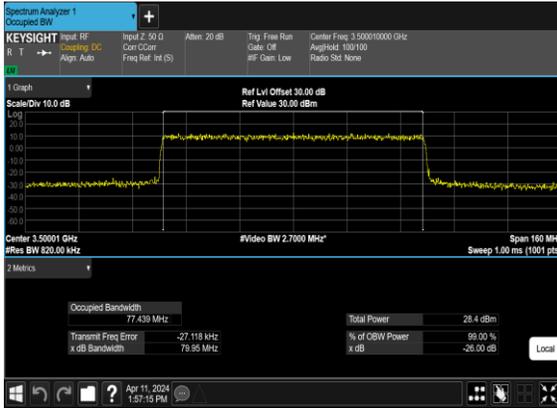
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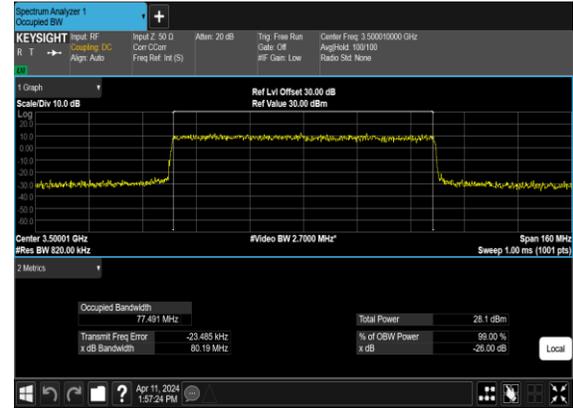
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N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



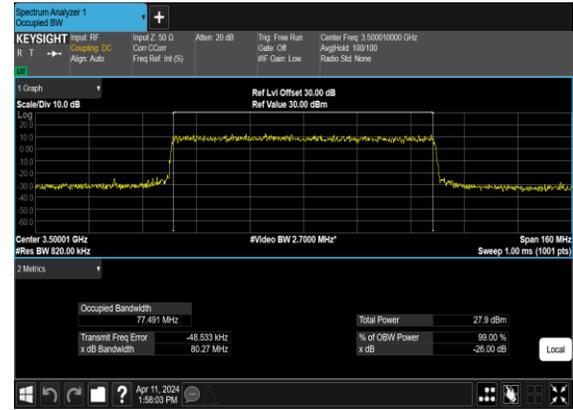
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N77(80M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



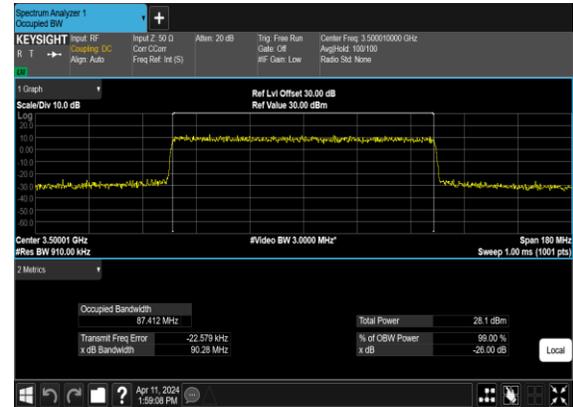
N77(80M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



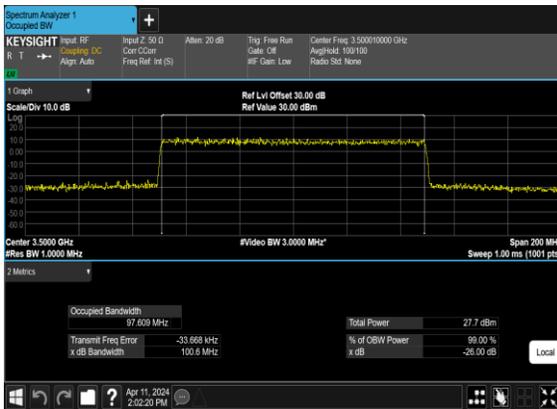
N77(100M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



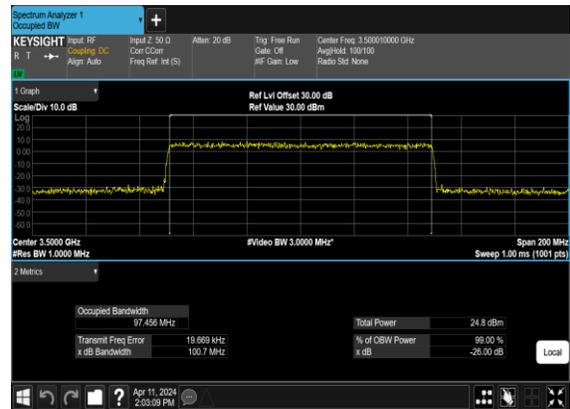
N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



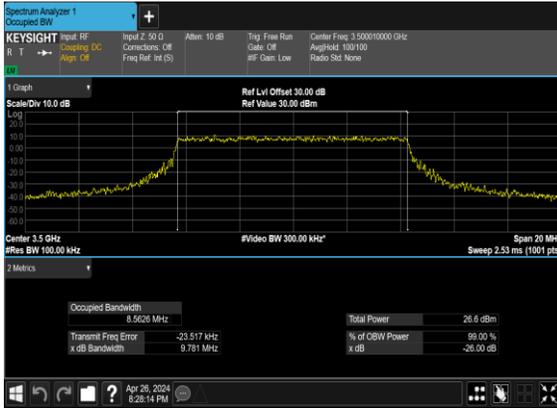
N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



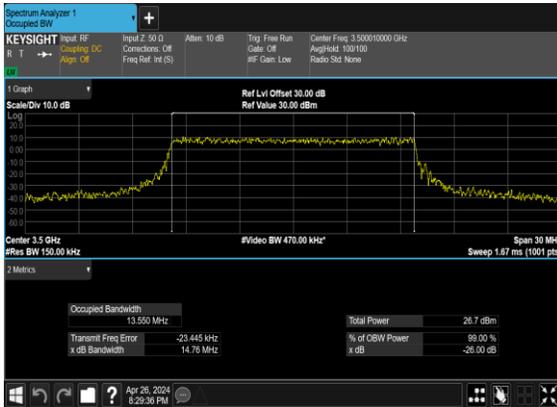
N77(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



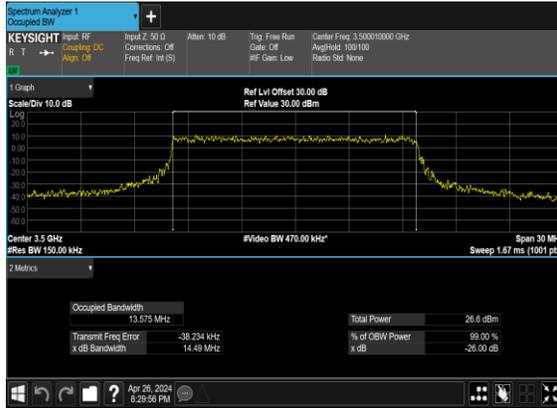
N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



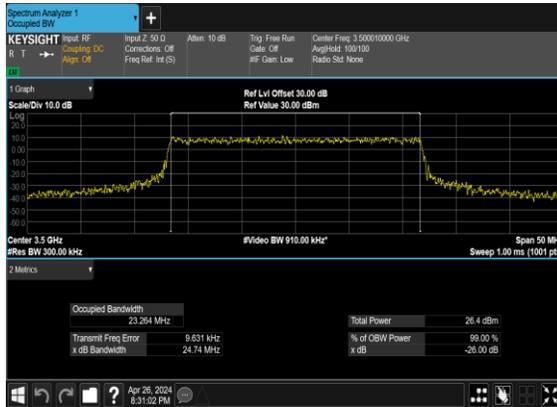
N77(25M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



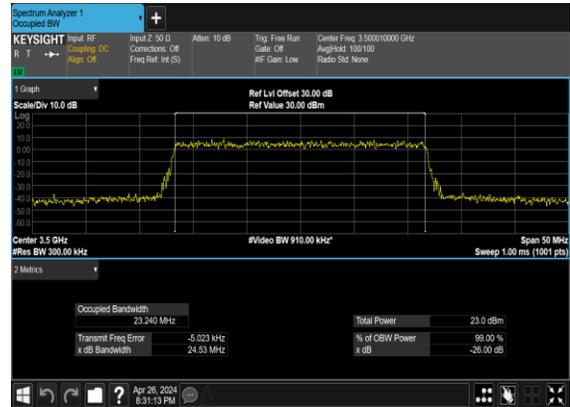
N77(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



Conducted Spurious Emissions

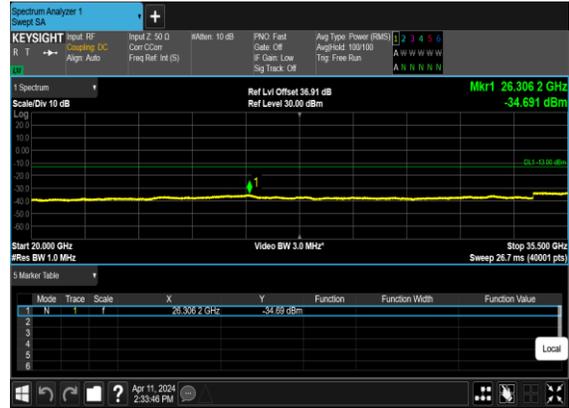
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	60	632000	3480.0	CP-OFDM QPSK	1@0	see graph	---
77	30	60	632000	3480.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	632000	3480.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	632000	3480.0	CP-OFDM 16 QAM	1@0	see graph	---
77	30	60	632000	3480.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	632000	3480.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	633334	3500.01	CP-OFDM QPSK	1@0	see graph	---
77	30	60	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	---
77	30	60	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	634666	3519.99	CP-OFDM QPSK	1@0	see graph	---
77	30	60	634666	3519.99	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	634666	3519.99	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	634666	3519.99	CP-OFDM 16 QAM	1@0	see graph	---
77	30	60	634666	3519.99	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	634666	3519.99	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	---
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	---
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS

77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	---
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	CP-OFDM 16 QAM	1@0	see graph	---
77	30	10	630334	3455.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	10	630334	3455.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	10	633334	3500.01	CP-OFDM QPSK	1@0	see graph	---
77	30	10	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	---
77	30	10	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	10	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	10	636332	3544.98	CP-OFDM QPSK	1@0	see graph	---
77	30	10	636332	3544.98	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	636332	3544.98	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	636332	3544.98	CP-OFDM 16 QAM	1@0	see graph	---
77	30	10	636332	3544.98	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	10	636332	3544.98	CP-OFDM 16 QAM	1@0	see graph	PASS

N77(60M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



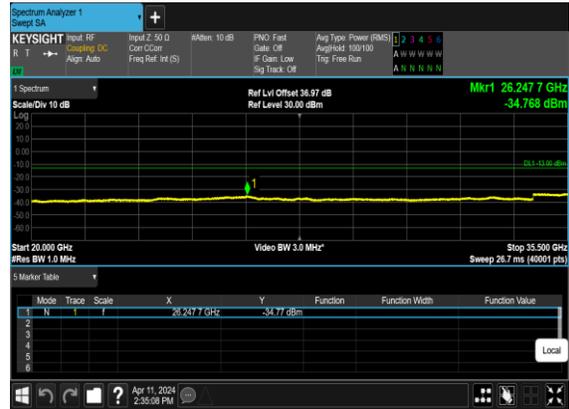
N77(60M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(60M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



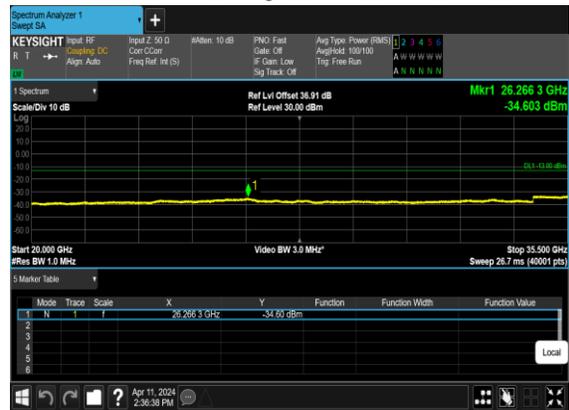
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N77(60M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



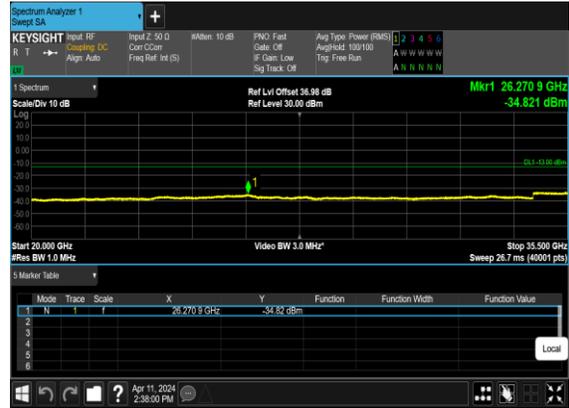
N77(60M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(60M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH



N77(60M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH



N77(60M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



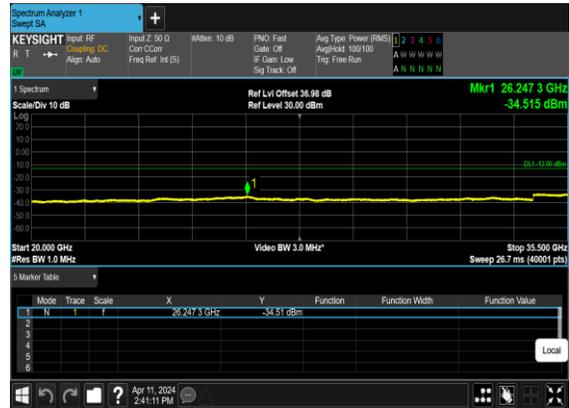
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N77(60M)_CP-OFDM_16 QAM_Edge_1RB_Left_High_CH



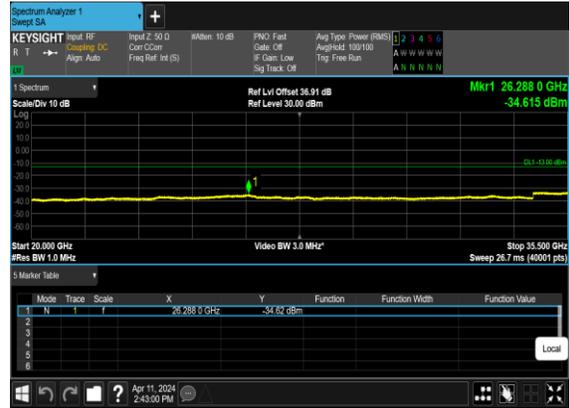
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N77(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH



N77(100M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH



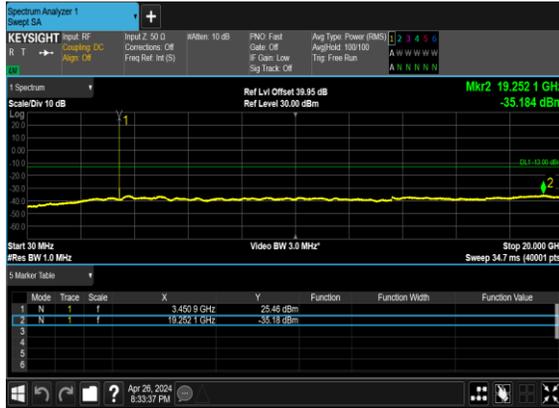
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N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



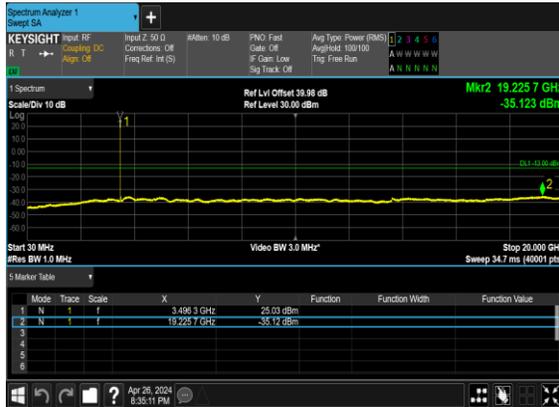
N77(10M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



N77(10M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



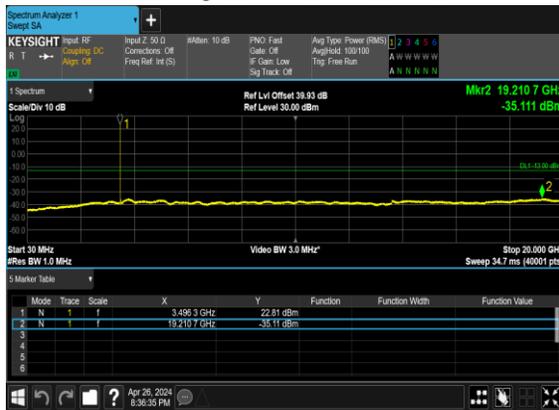
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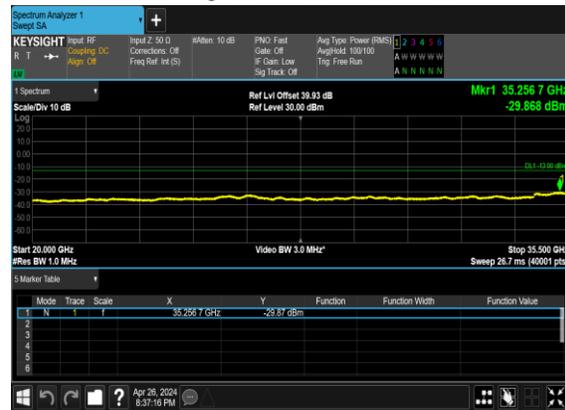
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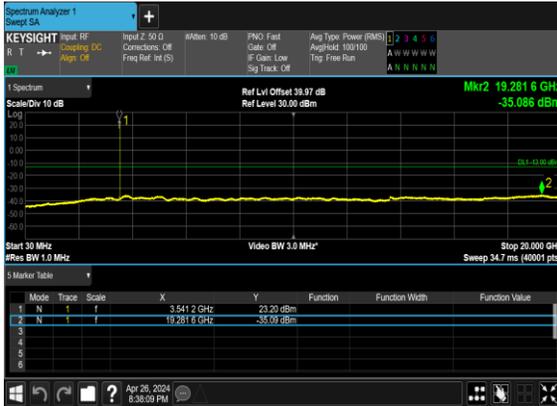
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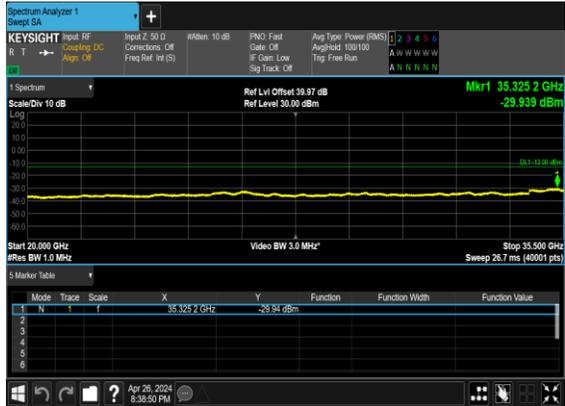
N77(10M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH



N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



N77(10M)_CP-OFDM_16 QAM_Edge_1RB_Left_High_CH



N77(10M)_CP-OFDM_16 QAM_Edge_1RB_Left_High_CH



Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	60	632000	3480.0	CP-OFDM QPSK	1@0	see graph	PASS
77	30	60	632000	3480.0	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	60	632000	3480.0	CP-OFDM QPSK	162@0	see graph	PASS
77	30	60	632000	3480.0	CP-OFDM 16 QAM	162@0	see graph	PASS
77	30	60	634666	3519.99	CP-OFDM QPSK	1@161	see graph	PASS
77	30	60	634666	3519.99	CP-OFDM 16 QAM	1@161	see graph	PASS
77	30	60	634666	3519.99	CP-OFDM QPSK	162@0	see graph	PASS
77	30	60	634666	3519.99	CP-OFDM 16 QAM	162@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	1@272	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@272	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	see graph	PASS
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	see graph	PASS
77	30	10	630334	3455.01	CP-OFDM QPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	CP-OFDM 16 QAM	1@0	see graph	PASS
77	30	10	630334	3455.01	CP-OFDM QPSK	24@0	see graph	PASS
77	30	10	630334	3455.01	CP-OFDM 16 QAM	24@0	see graph	PASS
77	30	10	636332	3544.98	CP-OFDM QPSK	1@23	see graph	PASS
77	30	10	636332	3544.98	CP-OFDM 16 QAM	1@23	see graph	PASS
77	30	10	636332	3544.98	CP-OFDM QPSK	24@0	see graph	PASS
77	30	10	636332	3544.98	CP-OFDM 16 QAM	24@0	see graph	PASS

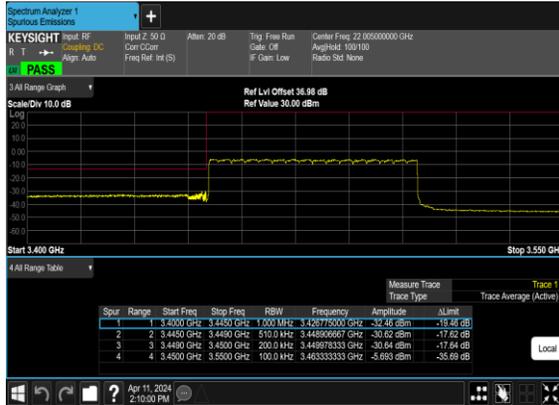
N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



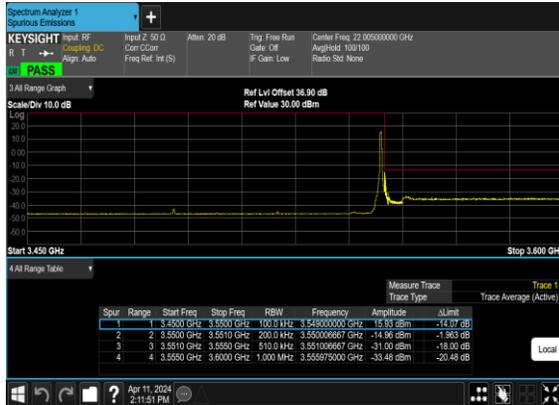
N77(60M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N77(60M)_CP-OFDM_16
QAM_Outer_Full_Low_CH



N77(60M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(60M)_CP-OFDM_16
QAM_Edge_1RB_Right_High_CH



N77(60M)_CP-OFDM_QPSK_Outer_Full_High_CH



N77(60M)_CP-OFDM_16 QAM_Outer_Full_High_CH



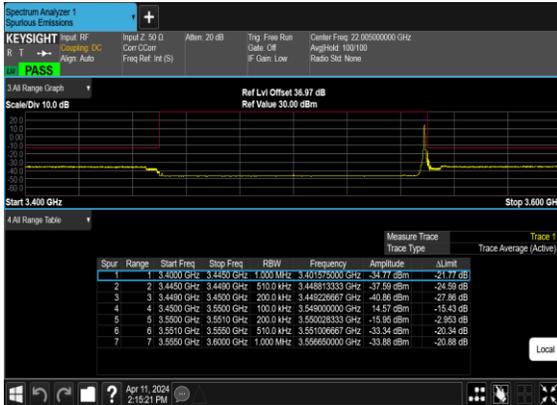
N77(100M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



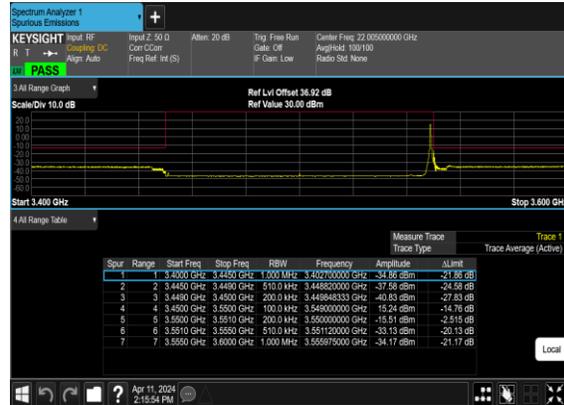
N77(100M)_CP-OFDM_16 QAM_Edge_1RB_Left_Mid_CH



N77(100M)_CP-OFDM_QPSK_Edge_1RB_Right_Mid_CH



N77(100M)_CP-OFDM_16 QAM_Edge_1RB_Right_Mid_CH



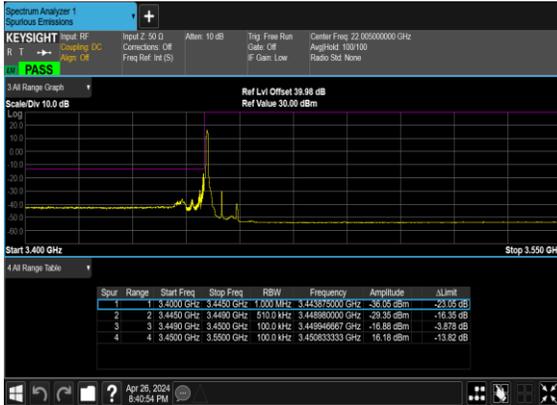
N77(100M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



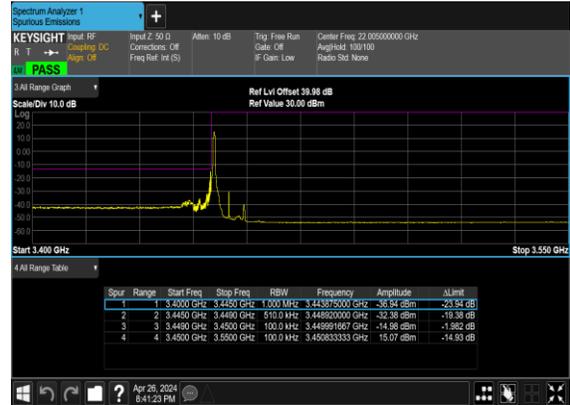
N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



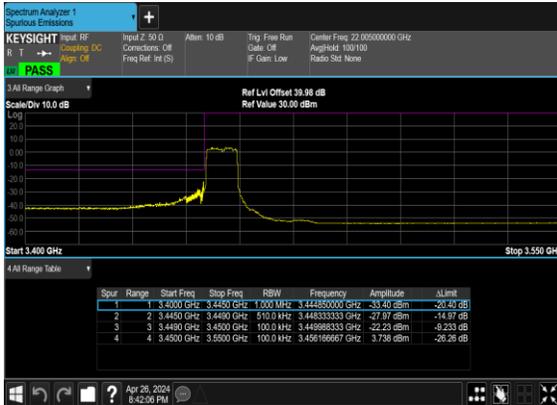
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



N77(10M)_CP- OFDM_QPSK_Outer_Full_Low_CH



N77(10M)_CP-OFDM_16 QAM_Outer_Full_Low_CH

