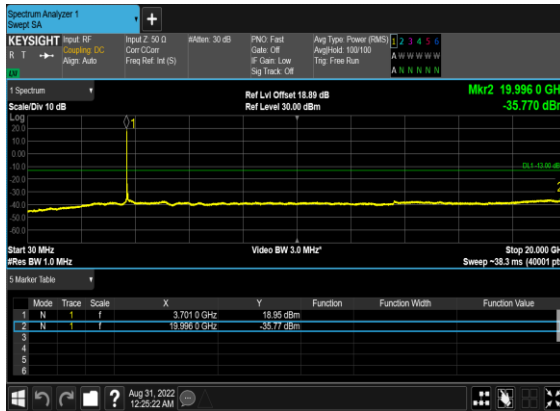
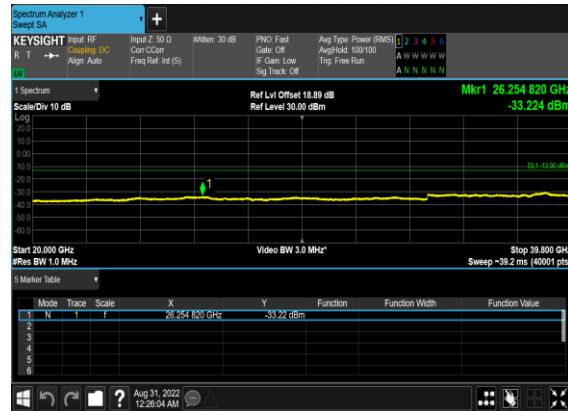


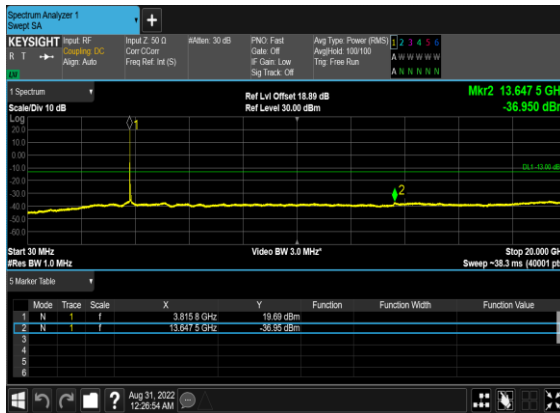
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



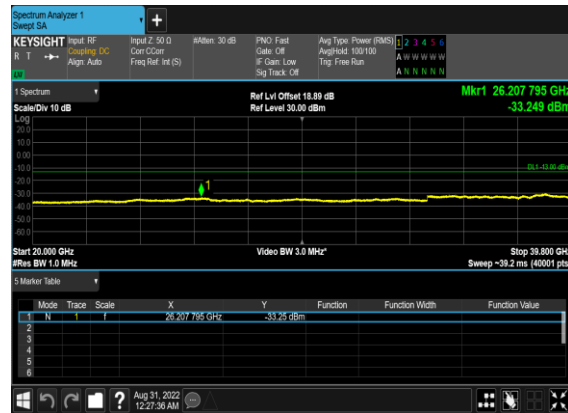
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



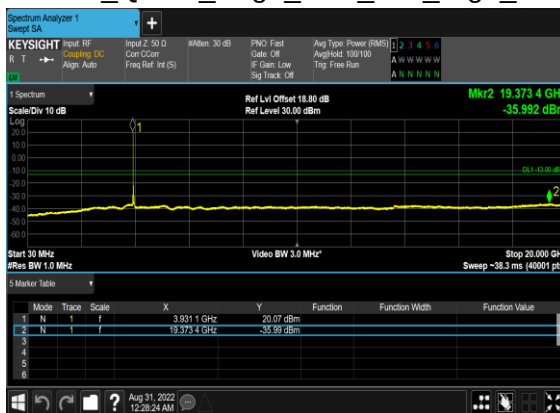
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



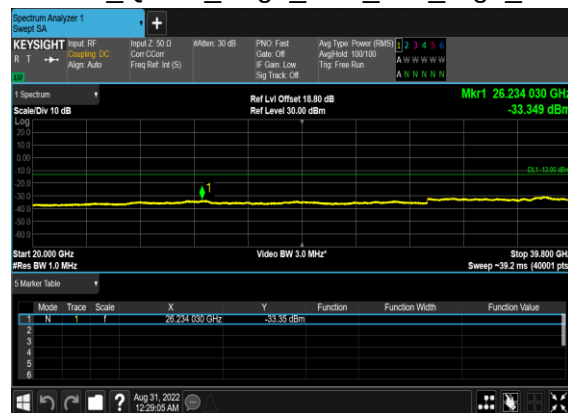
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



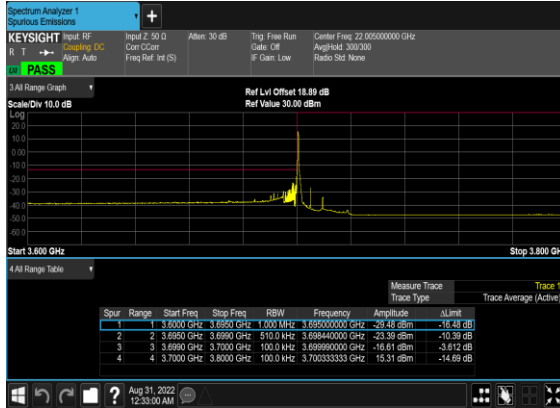
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	10	647000	3705.0	CP-OFDM QPSK	52@0	see graph	PASS
77	15	10	665000	3975.0	CP-OFDM QPSK	1@51	see graph	PASS
77	15	10	665000	3975.0	CP-OFDM QPSK	52@0	see graph	PASS
77	15	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
77	15	20	647334	3710.01	CP-OFDM QPSK	106@0	see graph	PASS
77	15	20	664666	3969.99	CP-OFDM QPSK	1@105	see graph	PASS
77	15	20	664666	3969.99	CP-OFDM QPSK	106@0	see graph	PASS
77	15	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	PASS
77	15	50	648334	3725.01	CP-OFDM QPSK	270@0	see graph	PASS
77	15	50	663666	3954.99	CP-OFDM QPSK	1@269	see graph	PASS
77	15	50	663666	3954.99	CP-OFDM QPSK	270@0	see graph	PASS

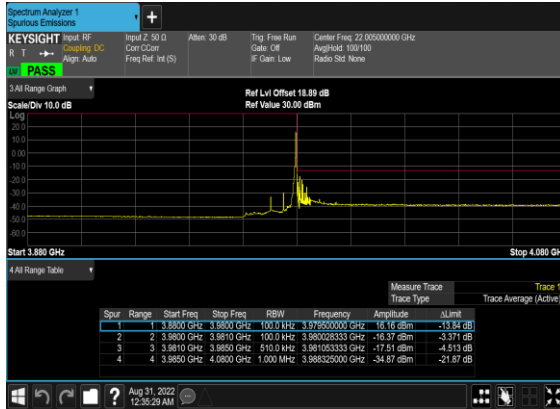
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



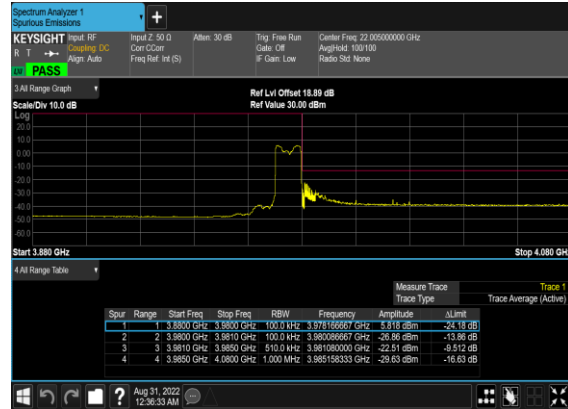
N77(10M)_CP- OFDM_QPSK_Outer_Full_Low_CH



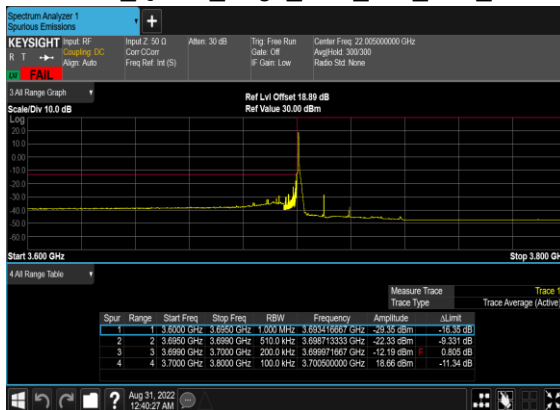
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



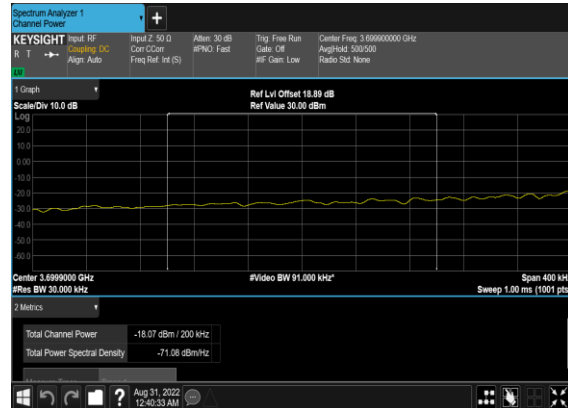
N77(10M)_CP- OFDM_QPSK_Outer_Full_High_CH



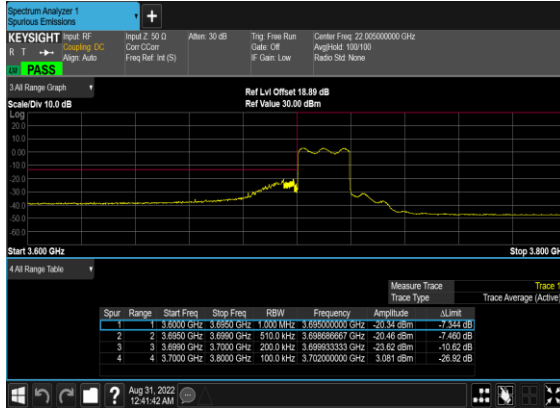
N77(20M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



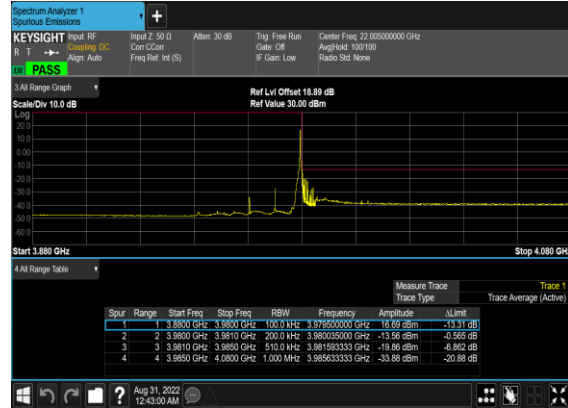
N77(20M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP- PASS



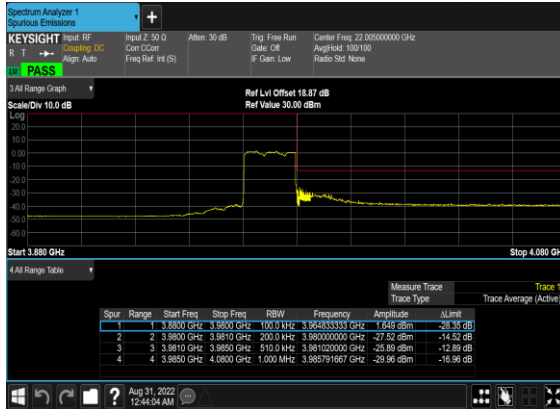
N77(20M)_CP- OFDM_QPSK_Outer_Full_Low_CH



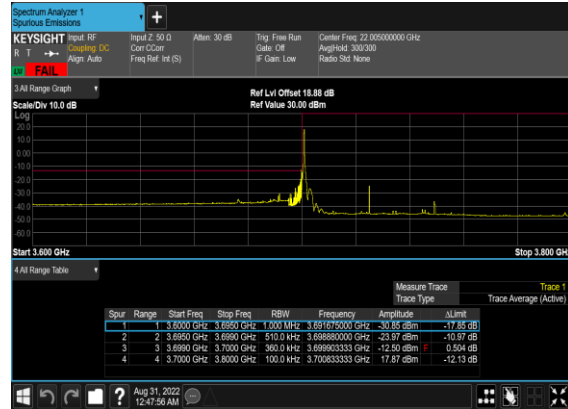
N77(20M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



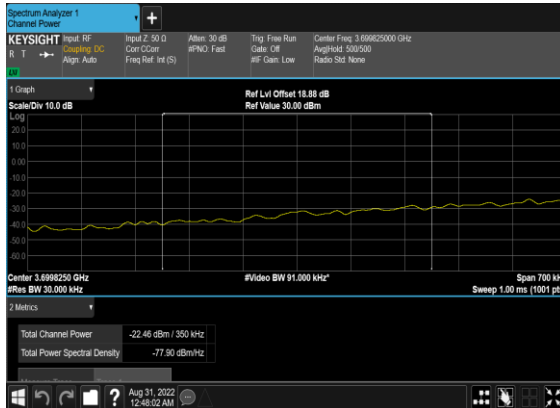
N77(20M)_CP- OFDM_QPSK_Outer_Full_High_CH



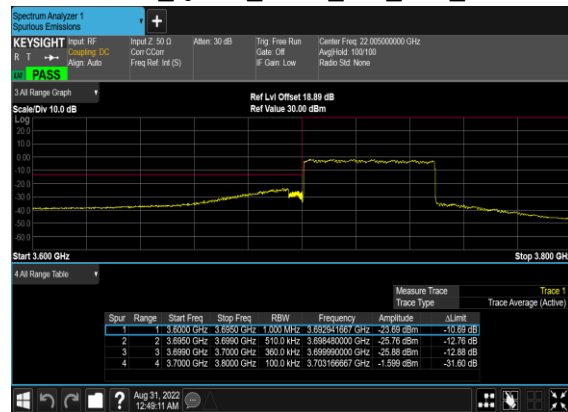
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



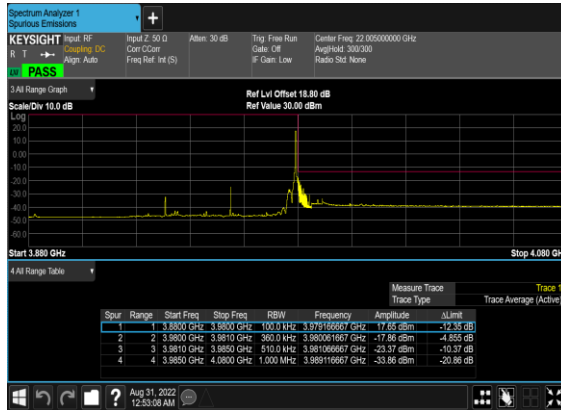
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP- PASS



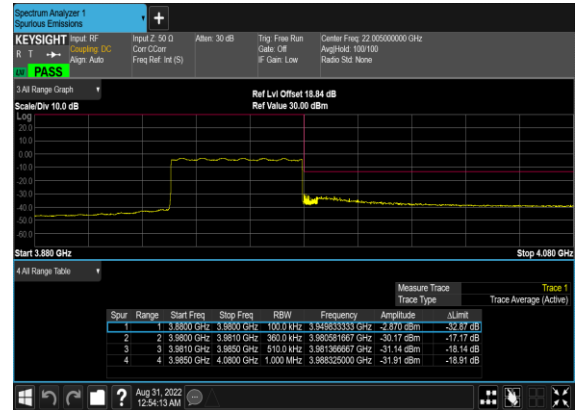
N77(50M)_CP- OFDM_QPSK_Outer_Full_Low_CH



N77(50M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_CP- OFDM_QPSK_Outer_Full_High_CH



FR1 N77 UL MIMO-ANT2(15kHz)

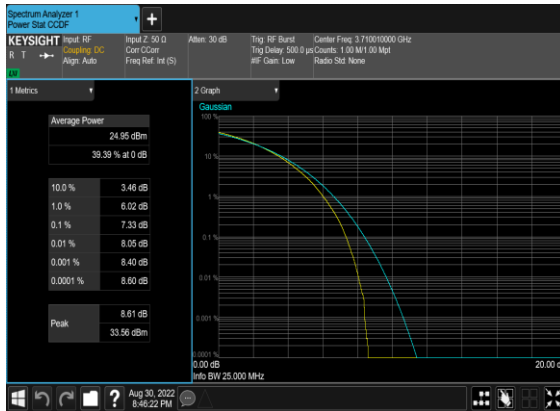
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0053	PASS	NV
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0031	PASS	LV
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0058	PASS	HV
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0028	PASS	-30℃
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0037	PASS	-20℃
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0040	PASS	-10℃
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0038	PASS	0℃
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0025	PASS	10℃
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0053	PASS	20℃
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0033	PASS	30℃
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0021	PASS	40℃
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	0.0065	PASS	50℃

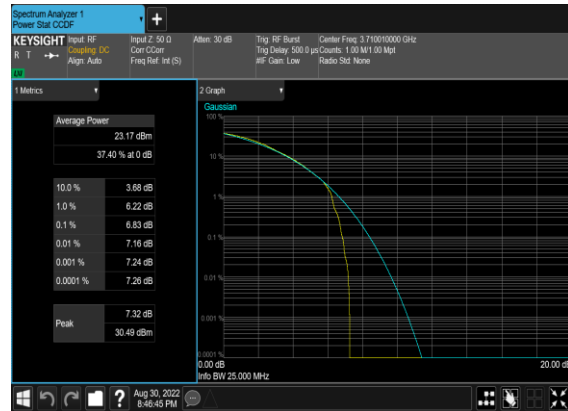
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	15	20	647334	3710.01	CP-OFDM QPSK	106@0	7.33	13	PASS
77	15	20	647334	3710.01	CP-OFDM QPSK	1@0	6.83	13	PASS
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	7.33	13	PASS
77	15	20	656000	3840.0	CP-OFDM QPSK	1@0	7.24	13	PASS
77	15	20	664666	3969.99	CP-OFDM QPSK	106@0	7.85	13	PASS
77	15	20	664666	3969.99	CP-OFDM QPSK	1@0	7.69	13	PASS

N77(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



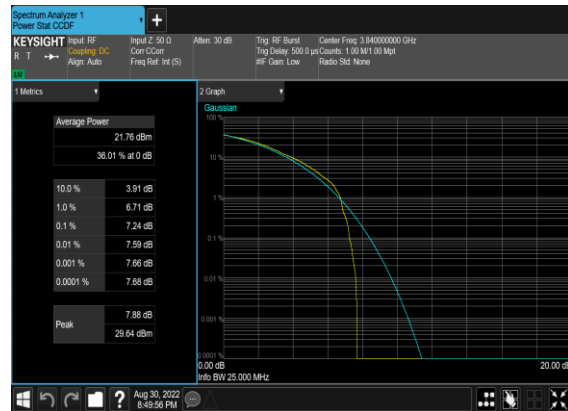
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



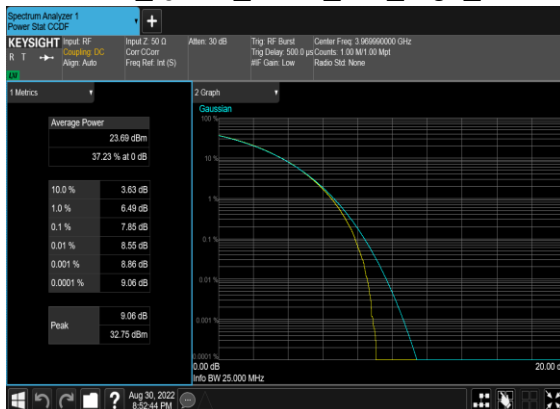
N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



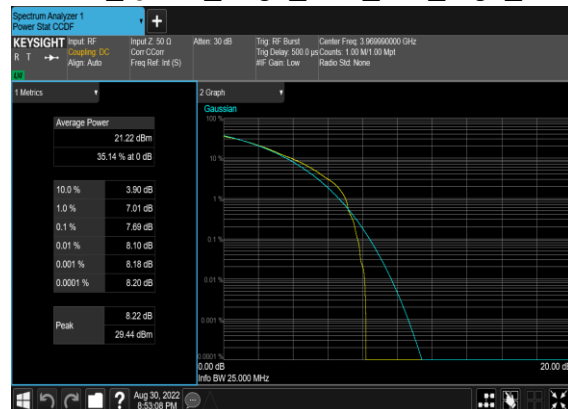
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH



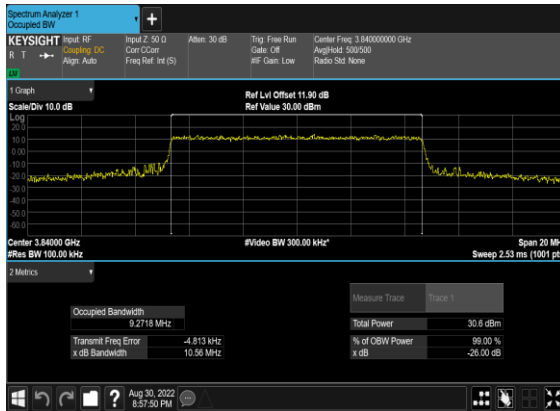
N77(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



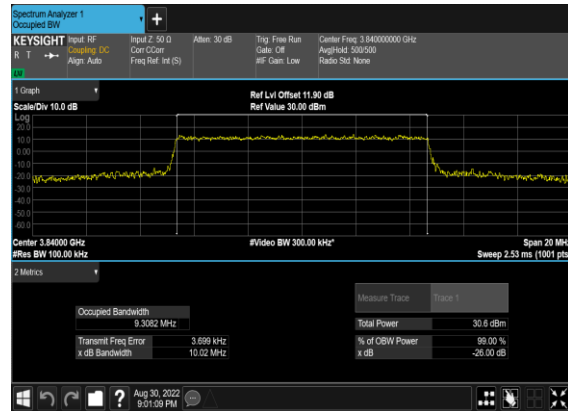
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
77	15	10	656000	3840.0	CP-OFDM QPSK	52@0	9.2718	10.56
77	15	10	656000	3840.0	CP-OFDM 16 QAM	52@0	9.3082	10.02
77	15	10	656000	3840.0	CP-OFDM 64 QAM	52@0	9.2978	9.971
77	15	10	656000	3840.0	CP-OFDM 256 QAM	52@0	9.2816	9.8
77	15	15	656000	3840.0	CP-OFDM QPSK	79@0	14.093	14.82
77	15	15	656000	3840.0	CP-OFDM 16 QAM	79@0	14.099	14.82
77	15	15	656000	3840.0	CP-OFDM 64 QAM	79@0	14.09	14.75
77	15	15	656000	3840.0	CP-OFDM 256 QAM	79@0	14.093	14.78
77	15	20	656000	3840.0	CP-OFDM QPSK	106@0	18.949	19.86
77	15	20	656000	3840.0	CP-OFDM 16 QAM	106@0	18.94	21.53
77	15	20	656000	3840.0	CP-OFDM 64 QAM	106@0	18.934	19.86
77	15	20	656000	3840.0	CP-OFDM 256 QAM	106@0	18.903	19.84
77	15	40	656000	3840.0	CP-OFDM QPSK	216@0	38.587	39.9
77	15	40	656000	3840.0	CP-OFDM 16 QAM	216@0	38.541	39.97
77	15	40	656000	3840.0	CP-OFDM 64 QAM	216@0	38.628	39.93
77	15	40	656000	3840.0	CP-OFDM 256 QAM	216@0	38.507	40.18
77	15	50	656000	3840.0	CP-OFDM QPSK	270@0	48.196	49.75
77	15	50	656000	3840.0	CP-OFDM 16 QAM	270@0	48.182	50.12
77	15	50	656000	3840.0	CP-OFDM 64 QAM	270@0	48.169	49.94
77	15	50	656000	3840.0	CP-OFDM 256 QAM	270@0	48.159	50.07

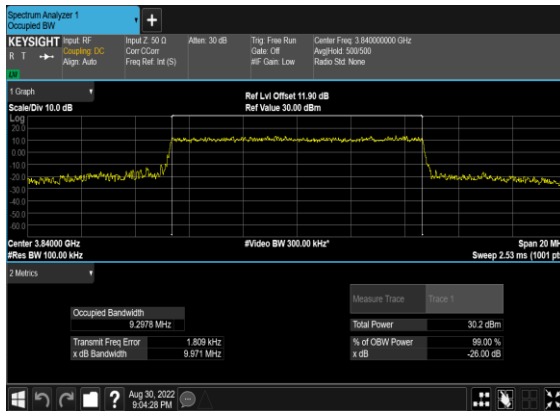
N77(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



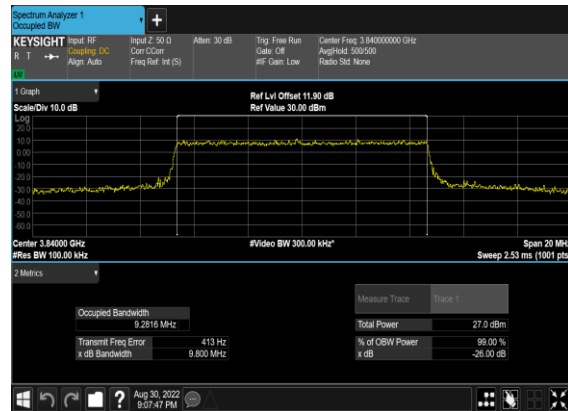
N77(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



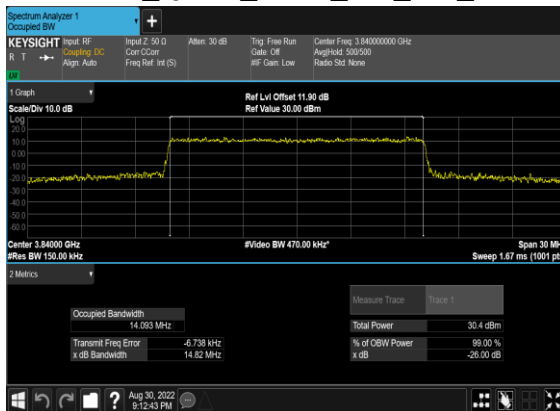
N77(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



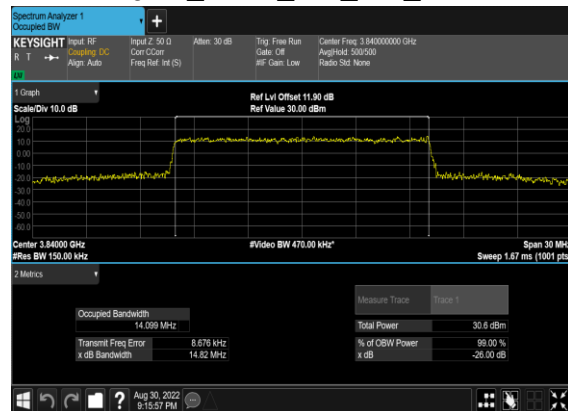
N77(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



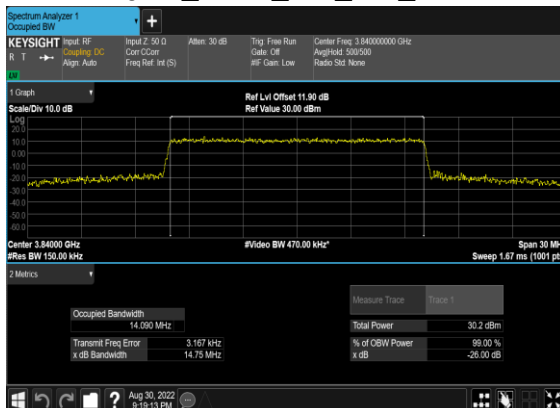
N77(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



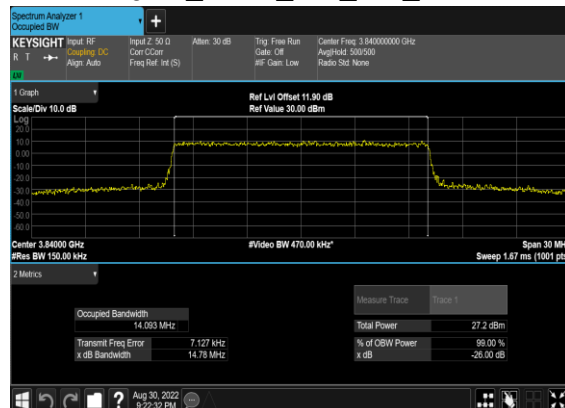
N77(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



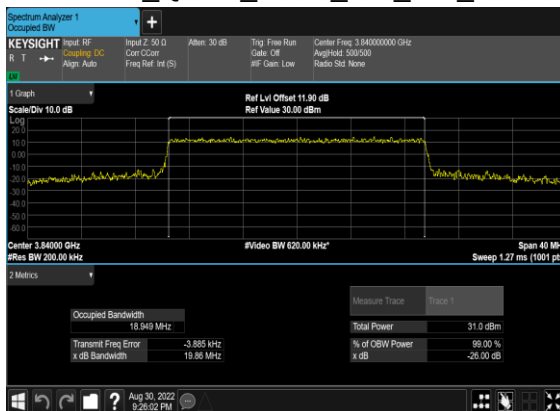
N77(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



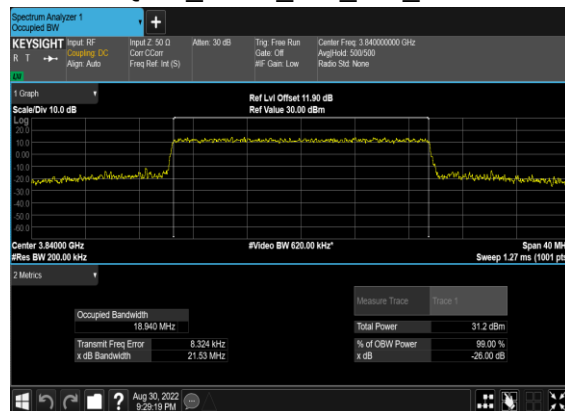
N77(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



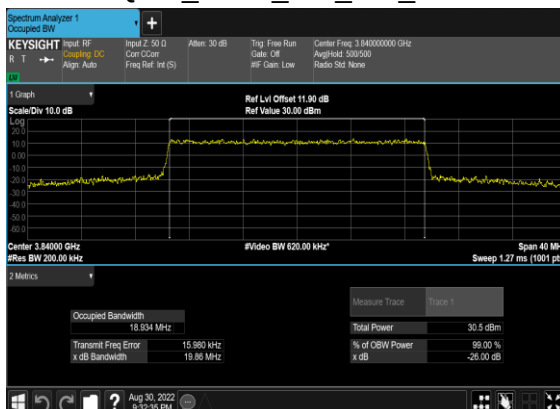
N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



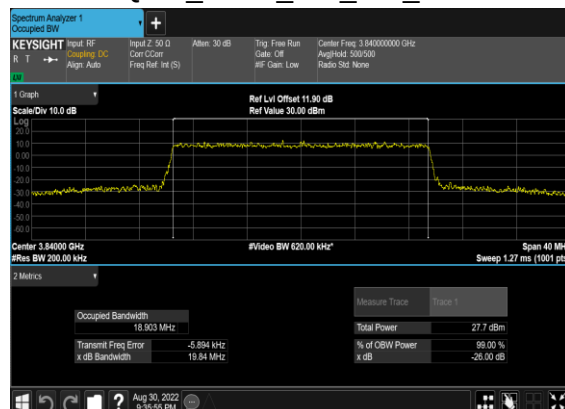
N77(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



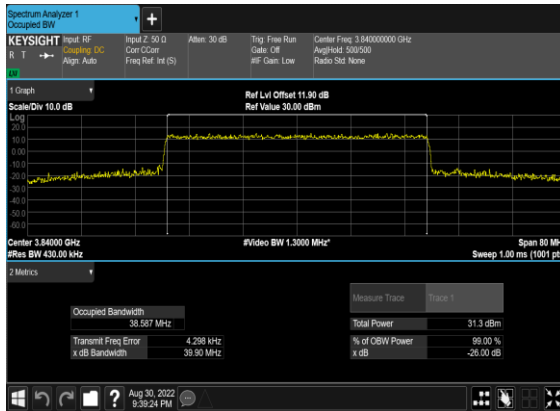
N77(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



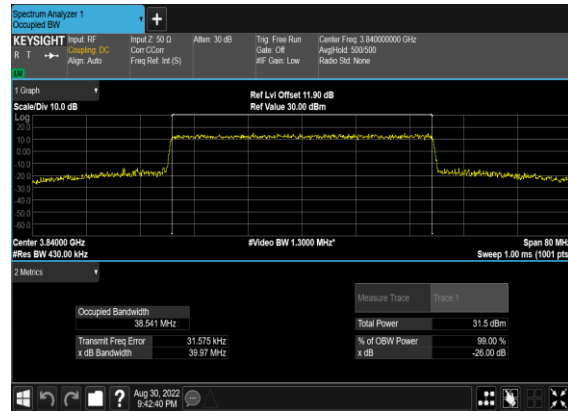
N77(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



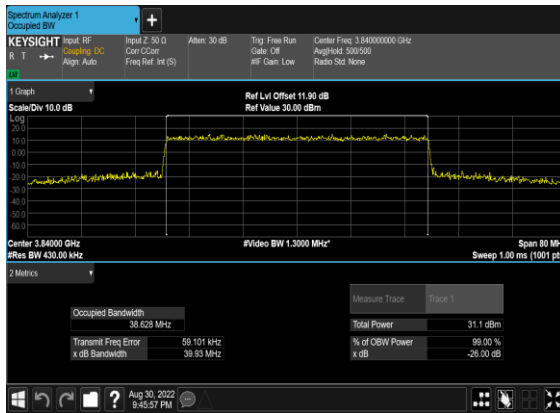
N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



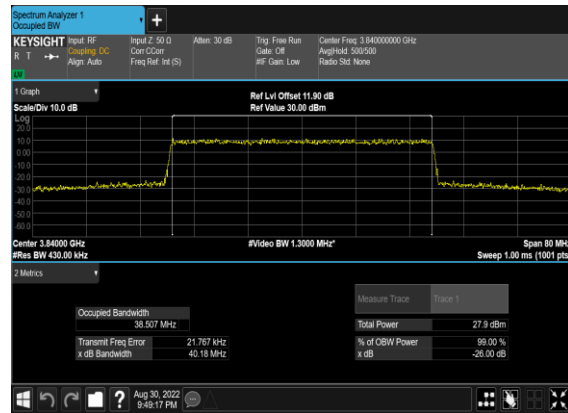
N77(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



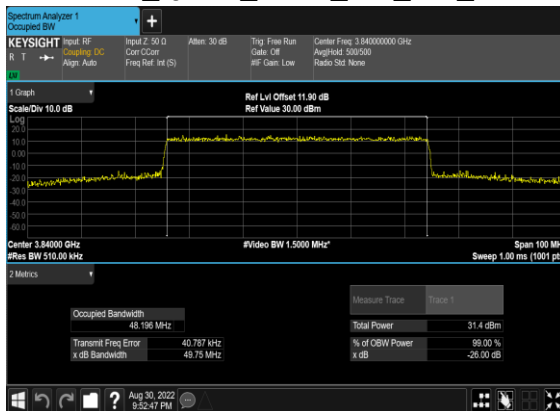
N77(40M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



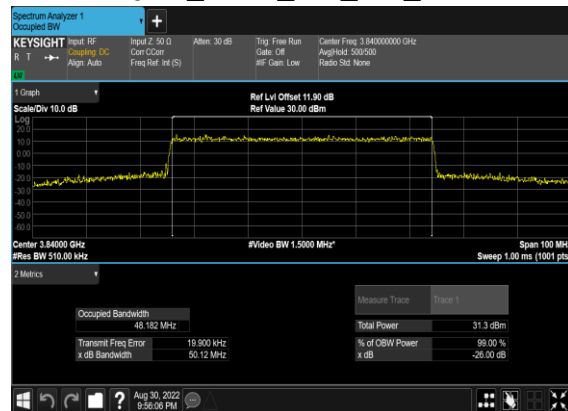
N77(40M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



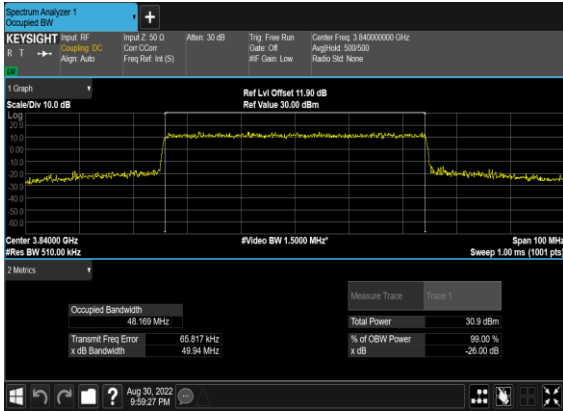
N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



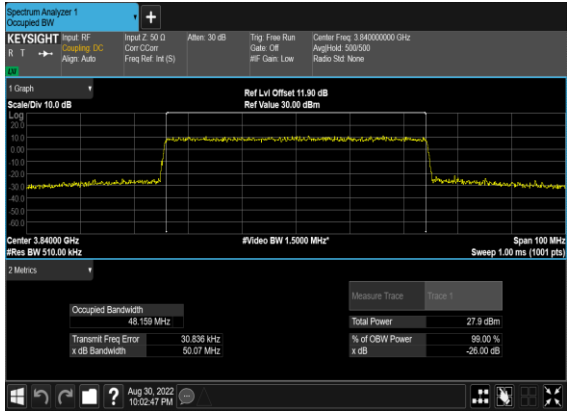
N77(50M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

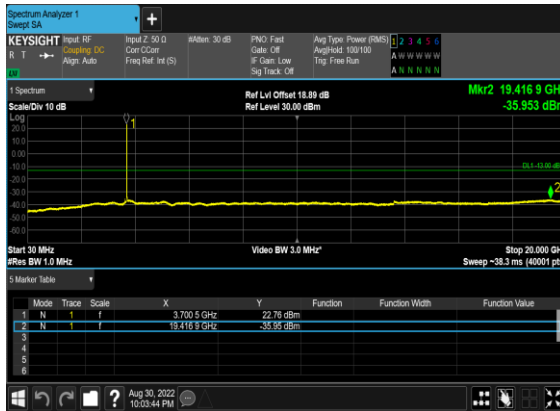


Conducted Spurious Emissions

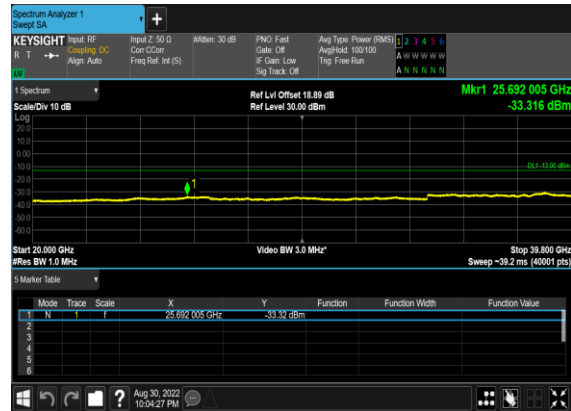
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	---
77	15	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	10	656000	3840.0	CP-OFDM QPSK	1@0	see graph	---
77	15	10	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	10	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	10	665000	3975.0	CP-OFDM QPSK	1@0	see graph	---
77	15	10	665000	3975.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	10	665000	3975.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	---
77	15	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
77	15	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
77	15	20	656000	3840.0	CP-OFDM QPSK	1@0	see graph	---
77	15	20	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	20	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	20	664666	3969.99	CP-OFDM QPSK	1@0	see graph	---
77	15	20	664666	3969.99	CP-OFDM QPSK	1@0	see graph	PASS
77	15	20	664666	3969.99	CP-OFDM QPSK	1@0	see graph	PASS
77	15	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	---
77	15	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	PASS
77	15	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	PASS
77	15	50	656000	3840.0	CP-OFDM QPSK	1@0	see graph	---

77	15	50	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	50	656000	3840.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	50	663666	3954.99	CP-OFDM QPSK	1@0	see graph	---
77	15	50	663666	3954.99	CP-OFDM QPSK	1@0	see graph	PASS
77	15	50	663666	3954.99	CP-OFDM QPSK	1@0	see graph	PASS

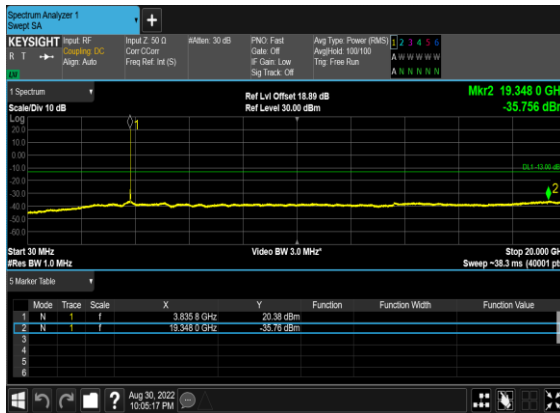
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



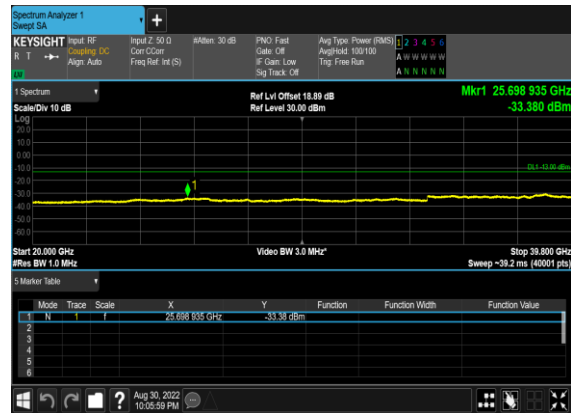
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



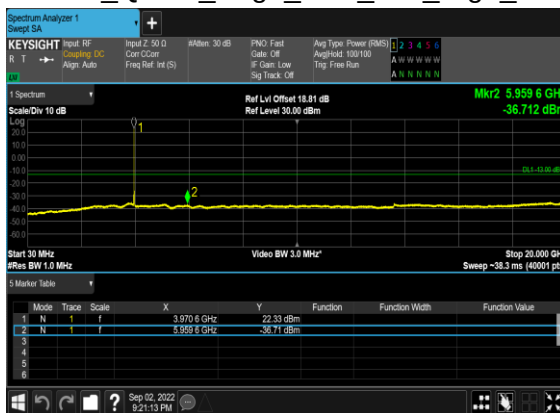
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



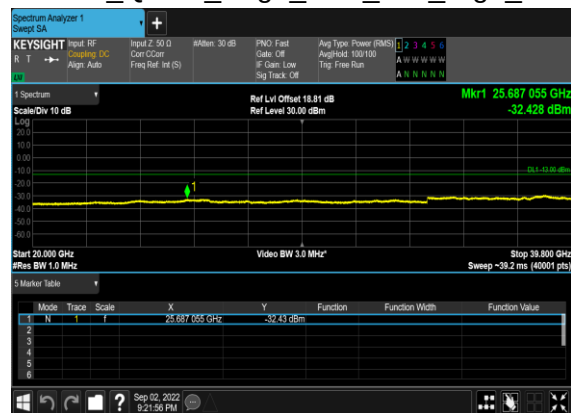
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



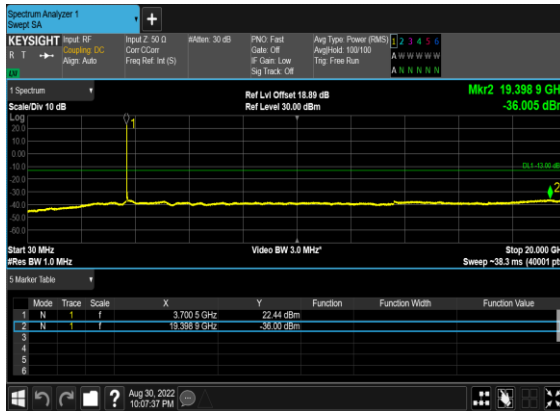
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



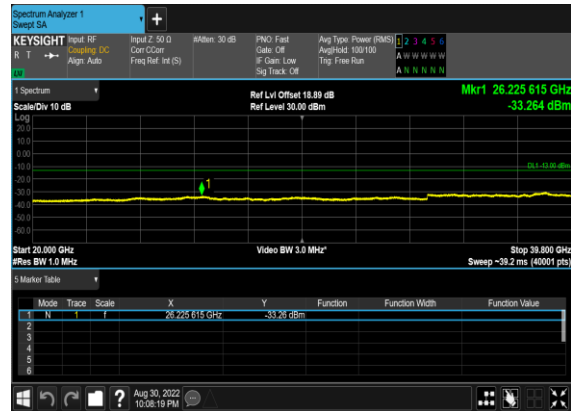
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



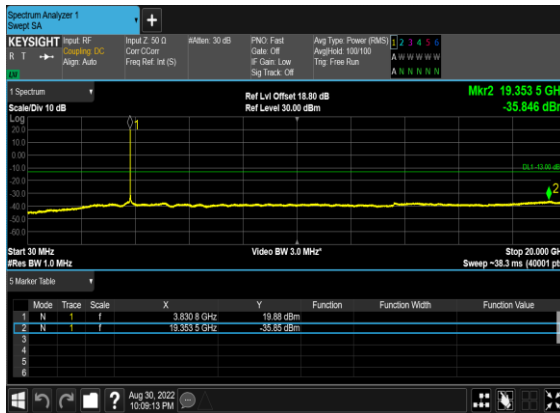
N77(20M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



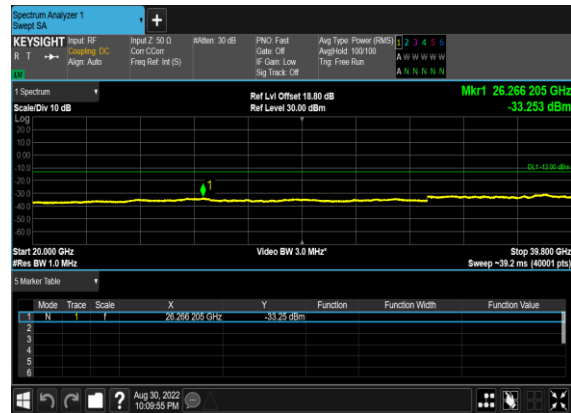
N77(20M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



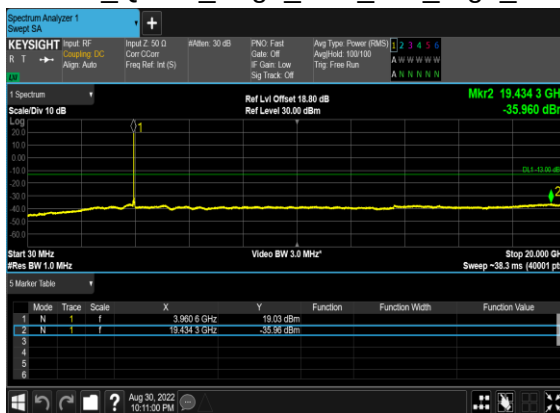
N77(20M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



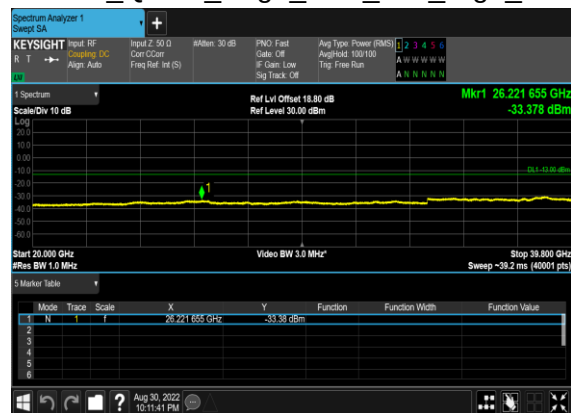
N77(20M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



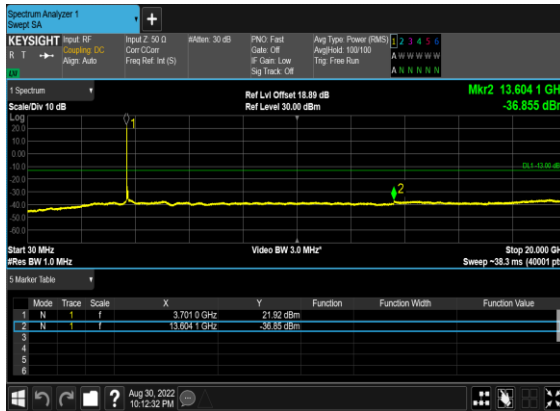
N77(20M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



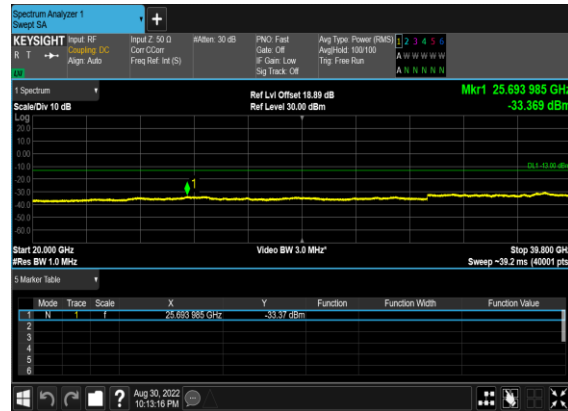
N77(20M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



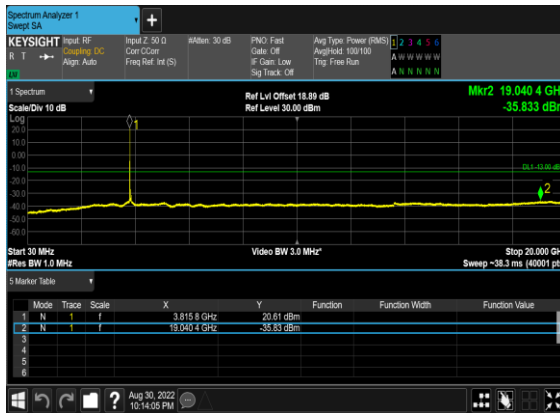
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



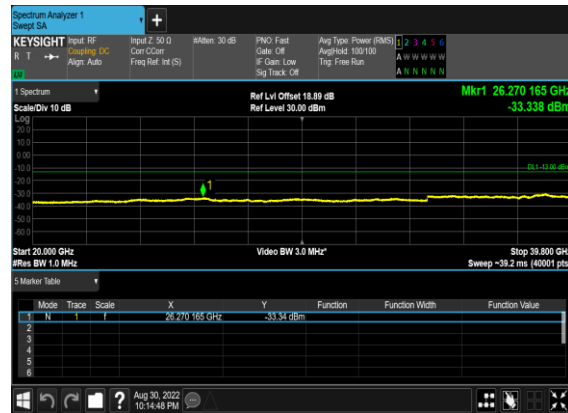
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



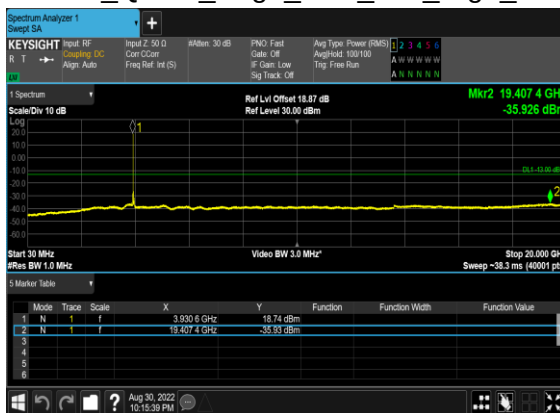
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



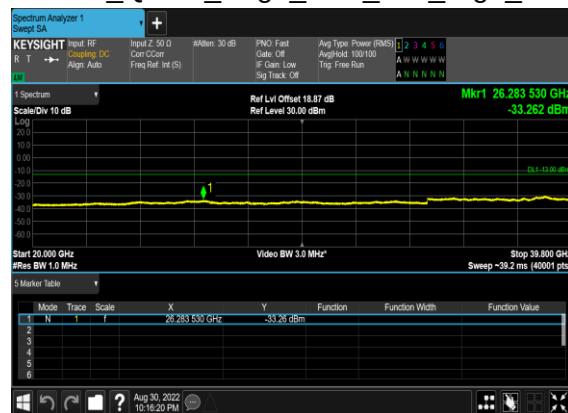
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	647000	3705.0	CP-OFDM QPSK	1@0	see graph	PASS
77	15	10	647000	3705.0	CP-OFDM QPSK	52@0	see graph	PASS
77	15	10	665000	3975.0	CP-OFDM QPSK	1@51	see graph	PASS
77	15	10	665000	3975.0	CP-OFDM QPSK	52@0	see graph	PASS
77	15	20	647334	3710.01	CP-OFDM QPSK	1@0	see graph	PASS
77	15	20	647334	3710.01	CP-OFDM QPSK	106@0	see graph	PASS
77	15	20	664666	3969.99	CP-OFDM QPSK	1@105	see graph	PASS
77	15	20	664666	3969.99	CP-OFDM QPSK	106@0	see graph	PASS
77	15	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	PASS
77	15	50	648334	3725.01	CP-OFDM QPSK	270@0	see graph	PASS
77	15	50	663666	3954.99	CP-OFDM QPSK	1@269	see graph	PASS
77	15	50	663666	3954.99	CP-OFDM QPSK	270@0	see graph	PASS

N77(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



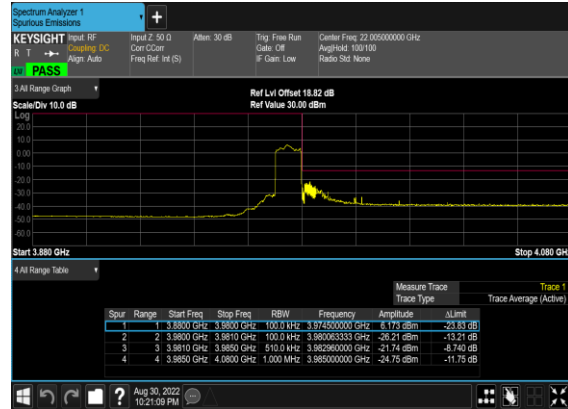
N77(10M)_CP- OFDM_QPSK_Outer_Full_Low_CH



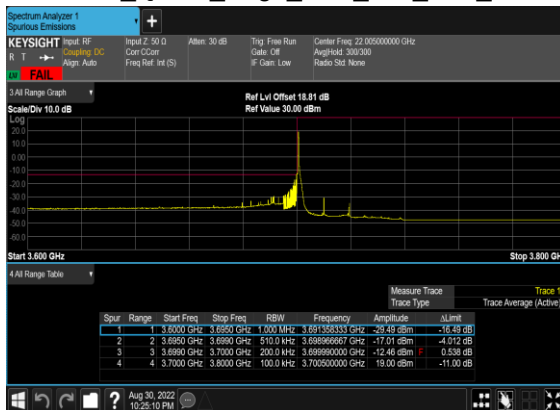
N77(10M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



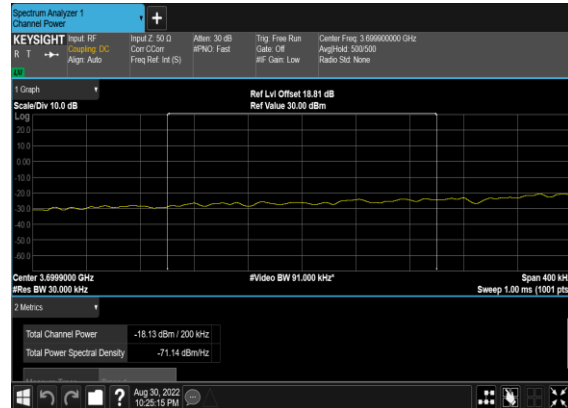
N77(10M)_CP- OFDM_QPSK_Outer_Full_High_CH



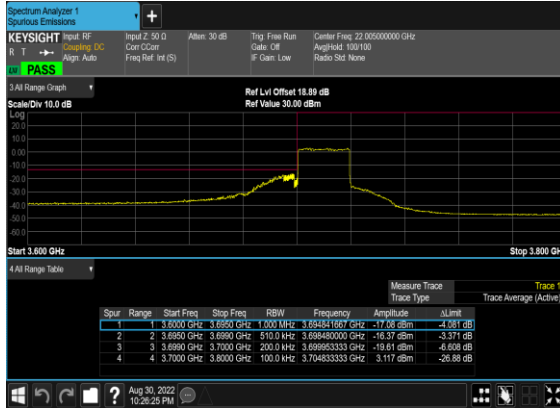
N77(20M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



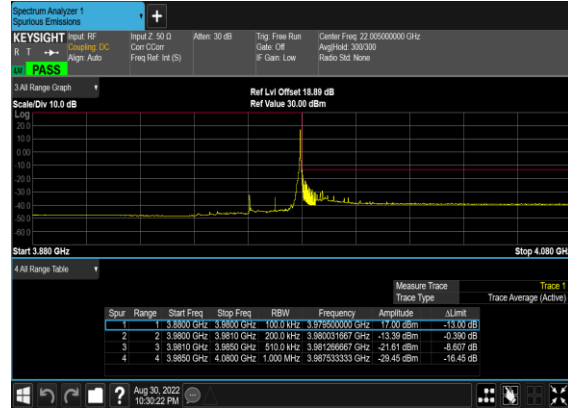
N77(20M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_ PASS



N77(20M)_CP- OFDM_QPSK_Outer_Full_Low_CH



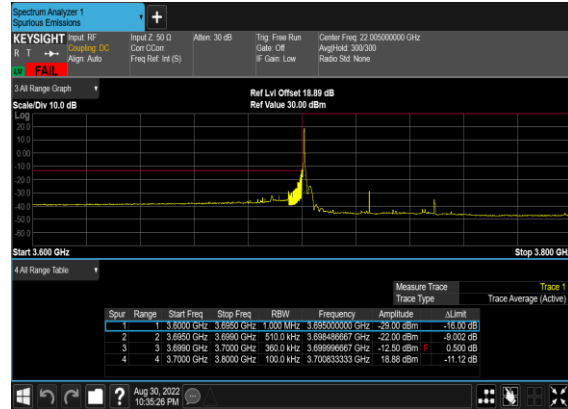
N77(20M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



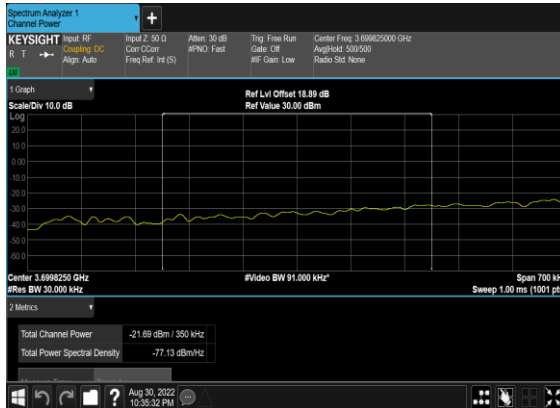
N77(20M)_CP- OFDM_QPSK_Outer_Full_High_CH



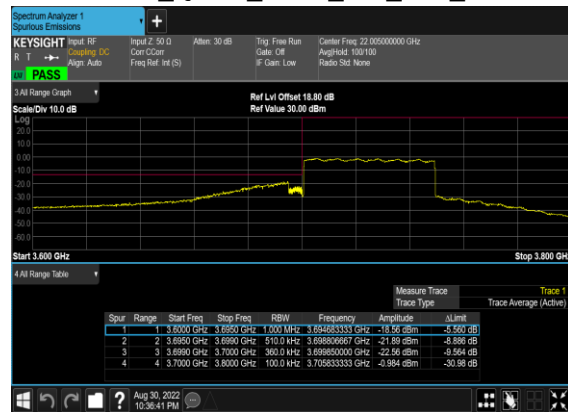
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



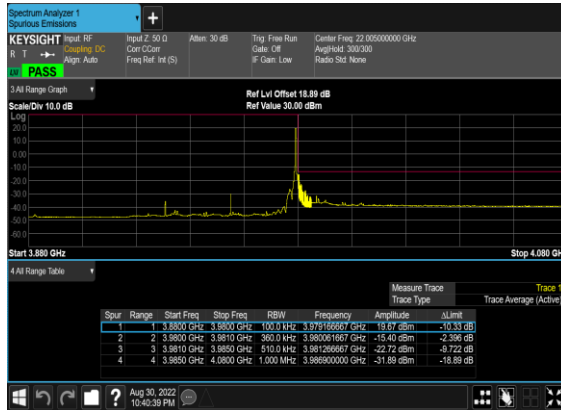
N77(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH_CH_P PASS



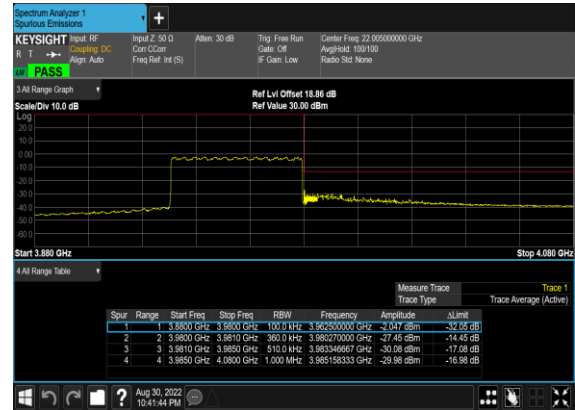
N77(50M)_CP- OFDM_QPSK_Outer_Full_Low_CH



N77(50M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_CP- OFDM_QPSK_Outer_Full_High_CH



FR1 N77-ANT1(30kHz)

Transmitter Conducted Output Power and EIRP, (GT - LC)=0.85dBi

NR Band	SCS	Band Width	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
77	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	26.77	27.62	0.5781
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	25.61	26.46	0.4426
77	30	10	656000	3840	DFT-s-OFDM QPSK	1@1	26.46	27.31	0.5383
77	30	10	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.4	26.25	0.4217
77	30	10	665000	3975	DFT-s-OFDM QPSK	1@1	26.89	27.74	0.5943
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	1@1	25.69	26.54	0.4508
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	26.82	27.67	0.5848
77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	25.6	26.45	0.4416
77	30	15	656000	3840	DFT-s-OFDM QPSK	1@1	26.56	27.41	0.5508
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.44	26.29	0.4256
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	1@1	26.77	27.62	0.5781
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	1@1	25.47	26.32	0.4285
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	26.83	27.68	0.5861
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	25.66	26.51	0.4477
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@1	26.58	27.43	0.5534
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.35	26.2	0.4169
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@1	26.73	27.58	0.5728
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@1	25.53	26.38	0.4345
77	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	26.94	27.79	0.6012
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	25.82	26.67	0.4645
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@1	26.63	27.48	0.5598
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.61	26.46	0.4426
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@1	26.7	27.55	0.5689
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@1	25.6	26.45	0.4416
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	26.87	27.72	0.5916
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	25.72	26.57	0.4539
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@1	26.55	27.4	0.5495
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.46	26.31	0.4276
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@1	26.62	27.47	0.5585
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@1	25.54	26.39	0.4355
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	26.66	27.51	0.5636
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	25.67	26.52	0.4487
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@1	26.35	27.2	0.5248
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.31	26.16	0.4130
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@1	26.54	27.39	0.5483

77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@1	25.47	26.32	0.4285
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	26.69	27.54	0.5675
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	25.56	26.41	0.4375
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@1	26.32	27.17	0.5212
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.27	26.12	0.4093
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@1	26.43	27.28	0.5346
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@1	25.32	26.17	0.4140
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	26.66	27.51	0.5636
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	25.6	26.45	0.4416
77	30	90	656000	3840	DFT-s-OFDM QPSK	1@1	26.29	27.14	0.5176
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.23	26.08	0.4055
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@1	26.36	27.21	0.5260
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@1	25.2	26.05	0.4027
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	26.83	27.68	0.5861
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.66	27.51	0.5636
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	26.5	27.35	0.5433
77	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	26.86	27.71	0.5902
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	26.74	27.59	0.5741
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	26.56	27.41	0.5508
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	25.9	26.75	0.4732
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.53	26.38	0.4345
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	25.45	26.3	0.4266
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	23.96	24.81	0.3027
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.54	24.39	0.2748
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	23.44	24.29	0.2685
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	21.43	22.28	0.1690
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.45	22.3	0.1698
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	21.19	22.04	0.1600
77	30	100	650000	3750	CP-OFDM QPSK	137@68	25.27	26.12	0.4093
77	30	100	650000	3750	CP-OFDM QPSK	1@1	25.24	26.09	0.4064
77	30	100	650000	3750	CP-OFDM QPSK	1@271	25.04	25.89	0.3882
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	135@67	26.68	27.53	0.5662
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	26.29	27.14	0.5176
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@271	26.15	27	0.5012
77	30	100	656000	3840	DFT-s-OFDM QPSK	135@67	26.7	27.55	0.5689
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@1	26.38	27.23	0.5284
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@271	26.23	27.08	0.5105
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	135@67	25.74	26.59	0.4560
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.23	26.08	0.4055
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@271	25.13	25.98	0.3963
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	135@67	23.82	24.67	0.2931
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@1	23.27	24.12	0.2582
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@271	23.13	23.98	0.2500
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	135@67	21.28	22.13	0.1633

77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@1	21.08	21.93	0.1560
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@271	20.87	21.72	0.1486
77	30	100	656000	3840	CP-OFDM QPSK	137@68	25.11	25.96	0.3945
77	30	100	656000	3840	CP-OFDM QPSK	1@1	24.84	25.69	0.3707
77	30	100	656000	3840	CP-OFDM QPSK	1@271	24.69	25.54	0.3581
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	135@67	26.64	27.49	0.5610
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@1	26.25	27.1	0.5129
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@271	26.91	27.76	0.5970
77	30	100	662000	3930	DFT-s-OFDM QPSK	135@67	26.68	27.53	0.5662
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@1	26.38	27.23	0.5284
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@271	27	27.85	0.6095
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	135@67	25.67	26.52	0.4487
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@1	25.23	26.08	0.4055
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@271	25.86	26.71	0.4688
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	135@67	23.8	24.65	0.2917
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@1	23.18	24.03	0.2529
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@271	23.79	24.64	0.2911
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	135@67	21.26	22.11	0.1626
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@1	20.98	21.83	0.1524
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@271	21.64	22.49	0.1774
77	30	100	662000	3930	CP-OFDM QPSK	137@68	25.11	25.96	0.3945
77	30	100	662000	3930	CP-OFDM QPSK	1@1	24.71	25.56	0.3597
77	30	100	662000	3930	CP-OFDM QPSK	1@271	25.34	26.19	0.4159

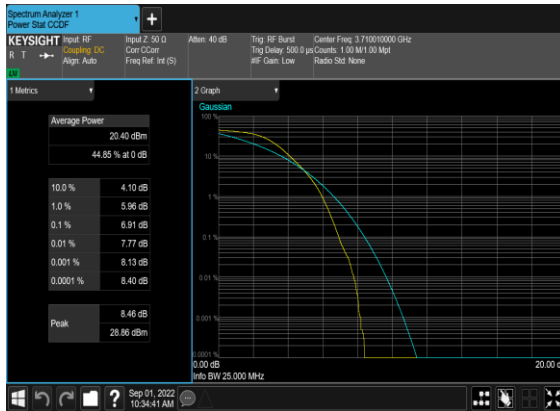
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0054	PASS	NV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0022	PASS	LV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0043	PASS	HV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0027	PASS	-30°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0043	PASS	-20°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0063	PASS	-10°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0033	PASS	0°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0064	PASS	10°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0054	PASS	20°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0068	PASS	30°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0035	PASS	40°C
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0031	PASS	50°C

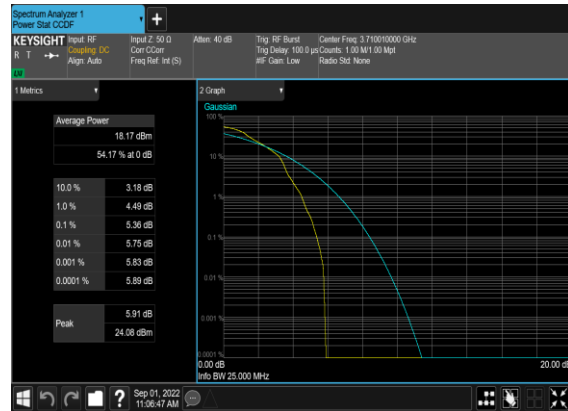
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	50@0	6.91	13	PASS
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@0	5.36	13	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	7.89	13	PASS
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	6.14	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	7.0	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@0	5.55	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	8.04	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	6.07	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	50@0	7.02	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@0	5.28	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	50@0	8.08	13	PASS
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	5.80	13	PASS

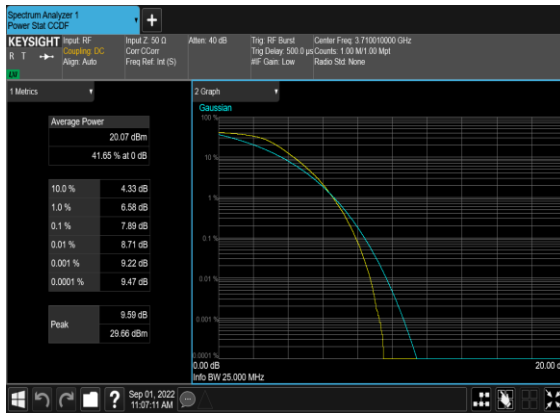
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



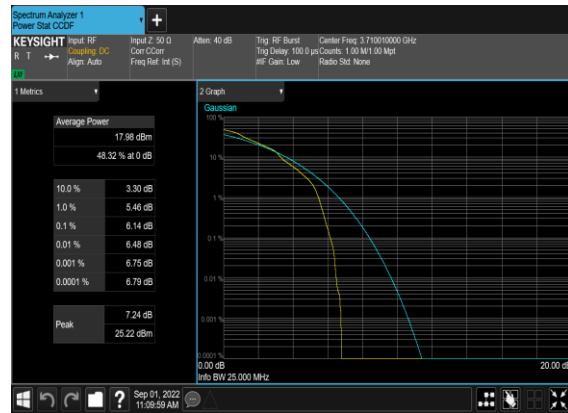
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



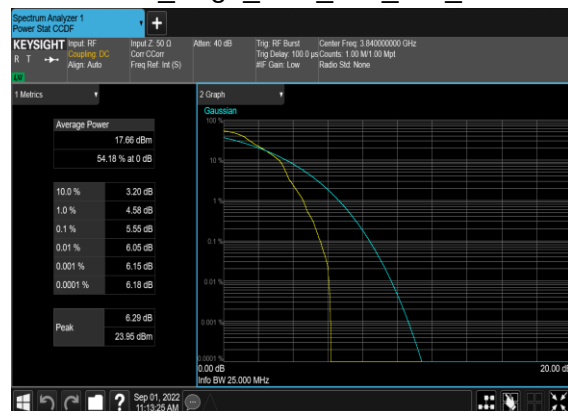
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



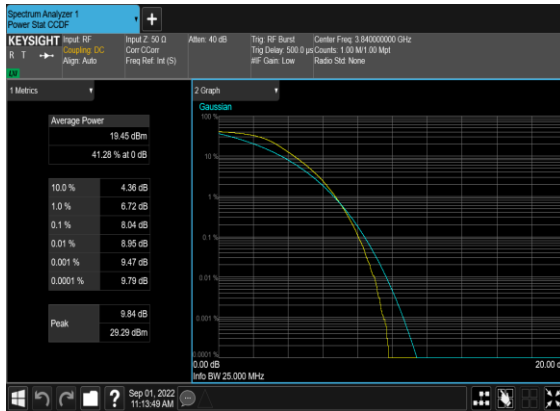
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



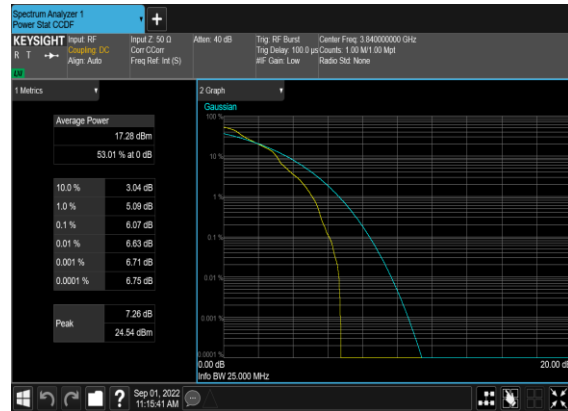
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



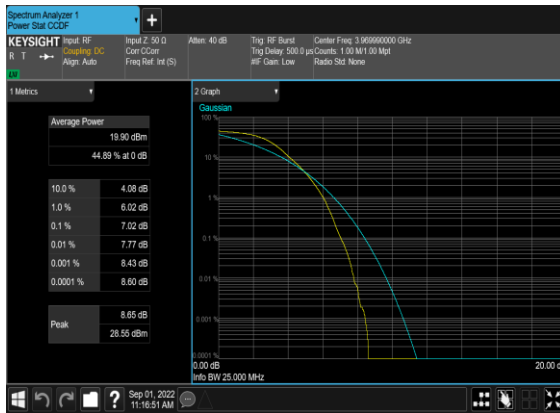
N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



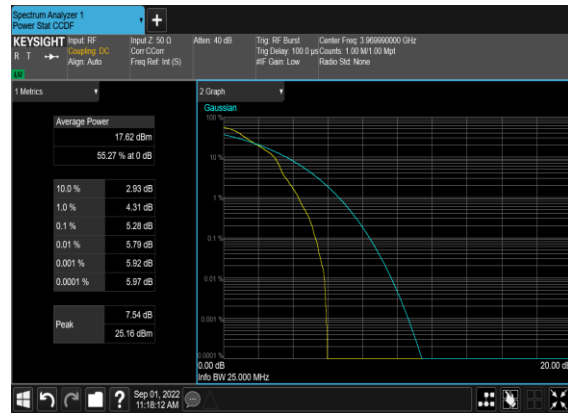
N77(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



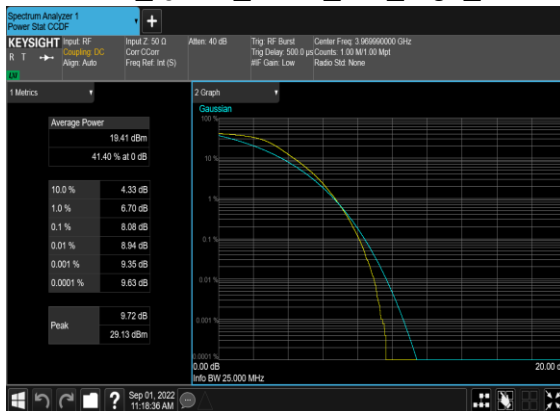
N77(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_High_CH



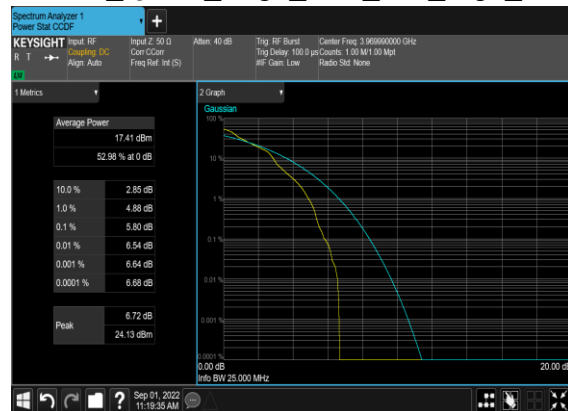
N77(20M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_High_CH



N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N77(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

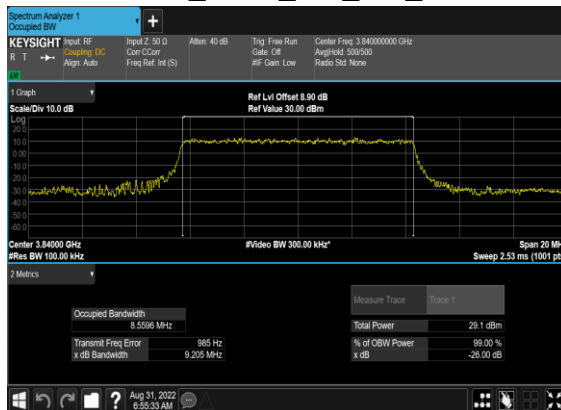


Occupied Bandwidth

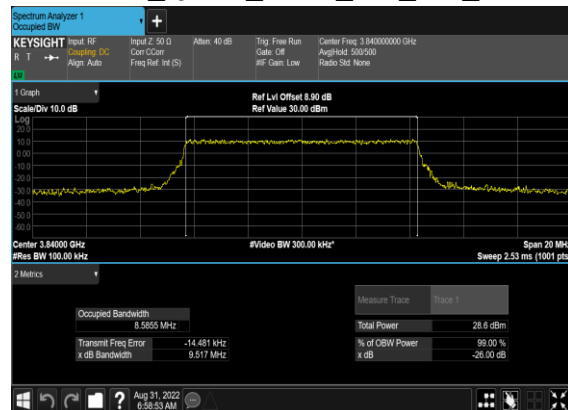
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
77	30	10	656000	3840.0	DFT-s-OFDM PI/2 BPSK	24@0	8.5596	9.205
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	24@0	8.5855	9.517
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.5744	9.436
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.5613	9.407
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.5797	9.486
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.5915	9.434
77	30	15	656000	3840.0	DFT-s-OFDM PI/2 BPSK	36@0	12.871	13.82
77	30	15	656000	3840.0	DFT-s-OFDM QPSK	36@0	12.857	14.02
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.557	14.57
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.56	14.4
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.569	14.53
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.548	14.42
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	17.865	18.93
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	17.842	19.1
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.183	19.36
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.187	19.38
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.23	19.54
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.196	19.18
77	30	40	656000	3840.0	DFT-s-OFDM PI/2 BPSK	100@0	35.8	37.26
77	30	40	656000	3840.0	DFT-s-OFDM QPSK	100@0	35.782	37.39
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.848	39.43
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.855	39.95
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.868	39.56
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.822	39.27
77	30	50	656000	3840.0	DFT-s-OFDM PI/2 BPSK	128@0	45.815	47.9
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	128@0	45.755	47.56
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.505	49.32
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.482	49.37
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.461	49.44
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.471	49.57
77	30	60	656000	3840.0	DFT-s-OFDM PI/2 BPSK	162@0	57.837	59.96
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	162@0	57.87	59.85

77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.81	60.04
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.851	59.87
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.9	59.8
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.789	61.66
77	30	80	656000	3840.0	DFT-s-OFDM PI/2 BPSK	216@0	77.164	79.89
77	30	80	656000	3840.0	DFT-s-OFDM QPSK	216@0	77.108	79.61
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.393	80.3
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.428	80.1
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.517	80.09
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.353	80.22
77	30	90	656000	3840.0	DFT-s-OFDM PI/2 BPSK	240@0	85.545	88.64
77	30	90	656000	3840.0	DFT-s-OFDM QPSK	240@0	85.758	88.76
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.508	90.27
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.567	90.33
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.233	90.34
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.51	93.79
77	30	100	656000	3840.0	DFT-s-OFDM PI/2 BPSK	270@0	96.342	99.47
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	270@0	96.341	99.68
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.435	100.4
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.447	100.6
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.31	100.6
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.551	104.3

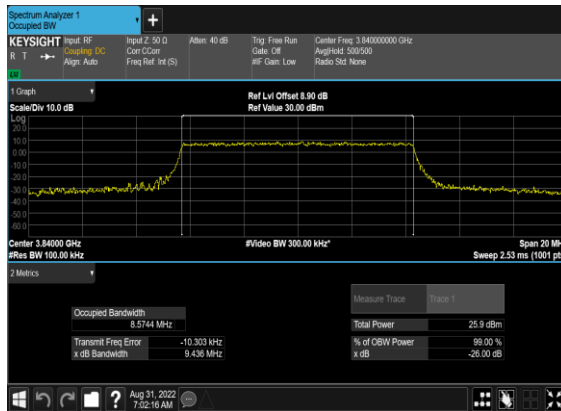
N77(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



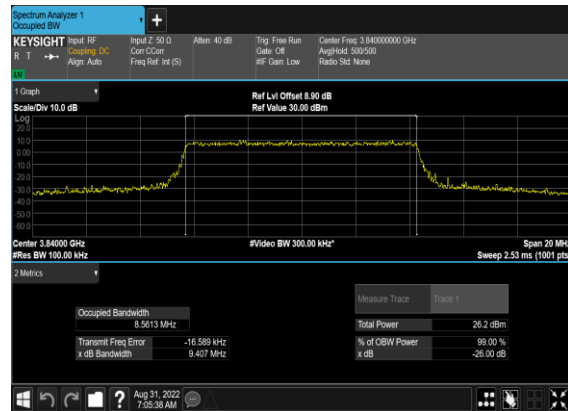
N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



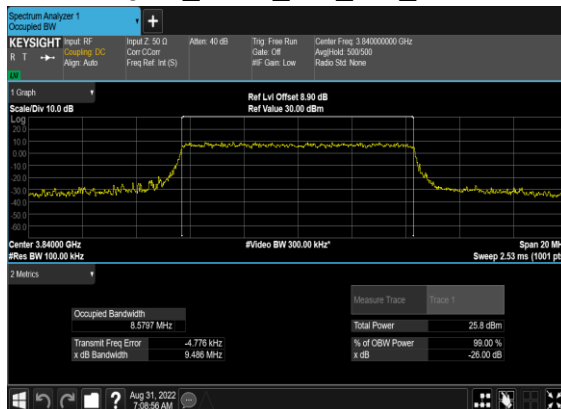
N77(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



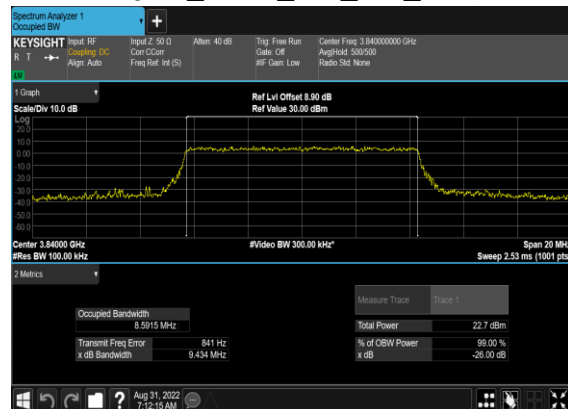
N77(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



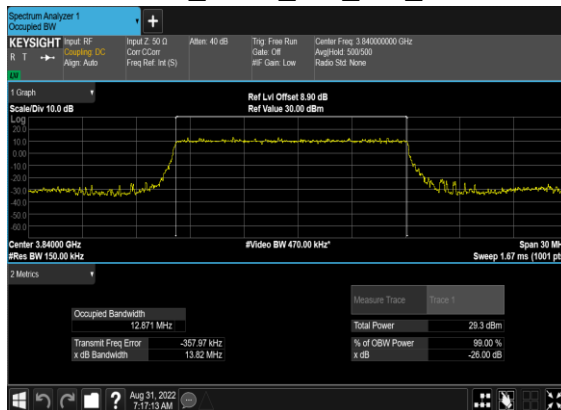
N77(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



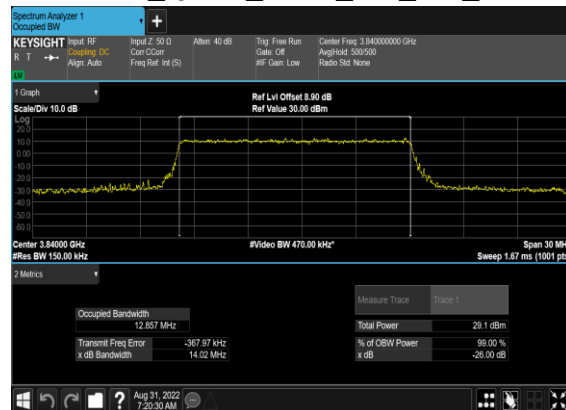
N77(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



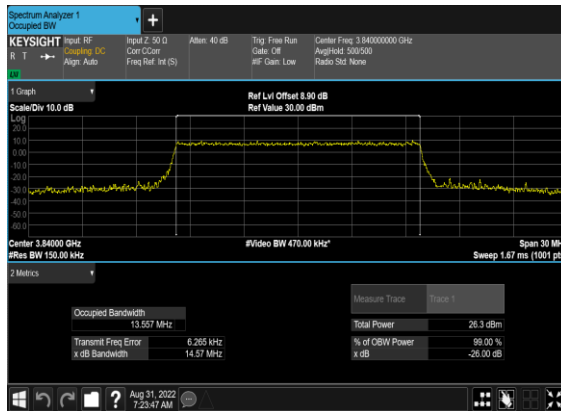
N77(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



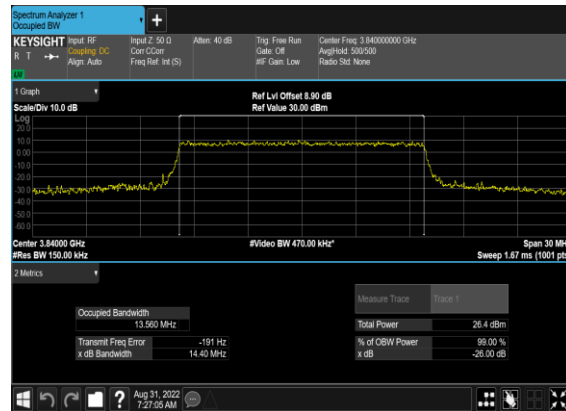
N77(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



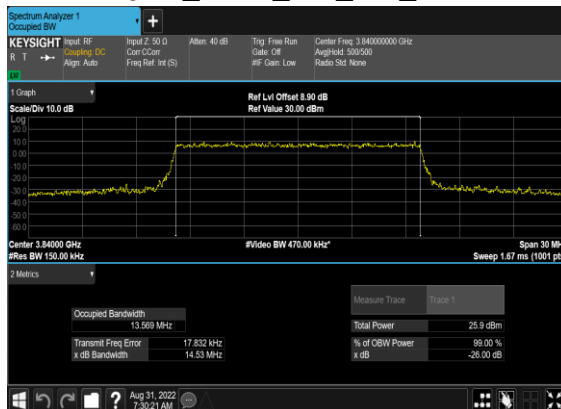
N77(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

