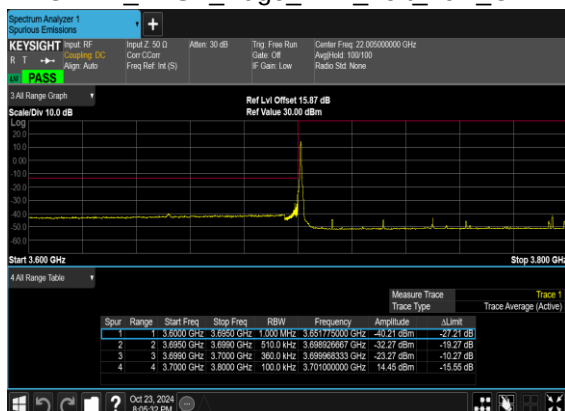
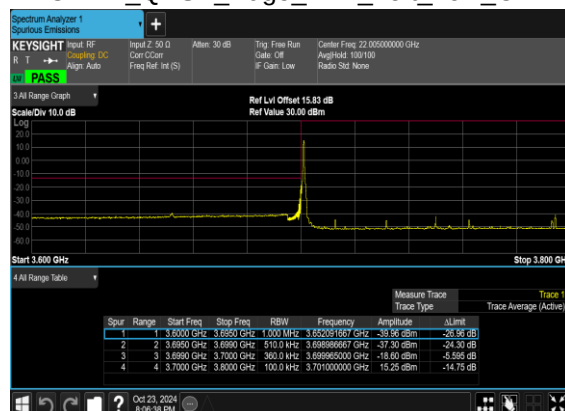
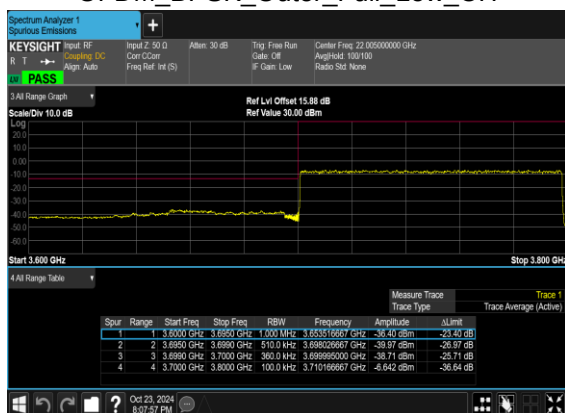
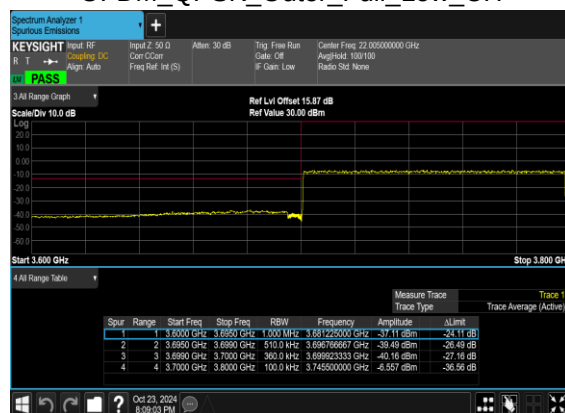
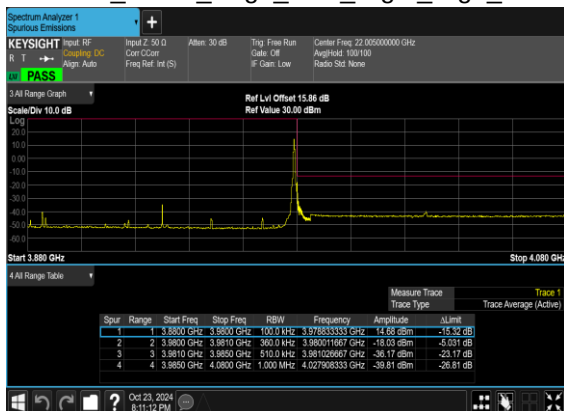
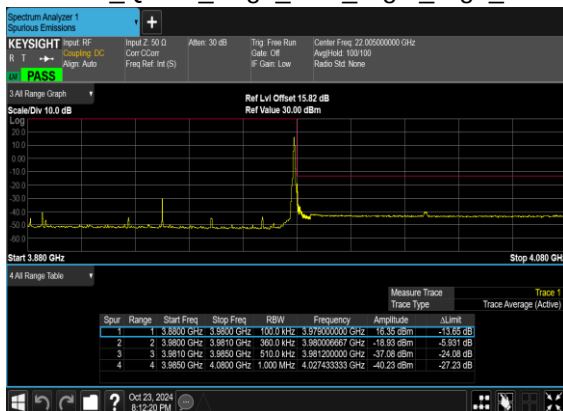
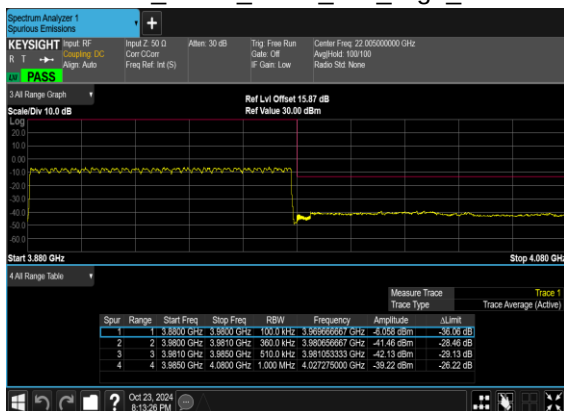
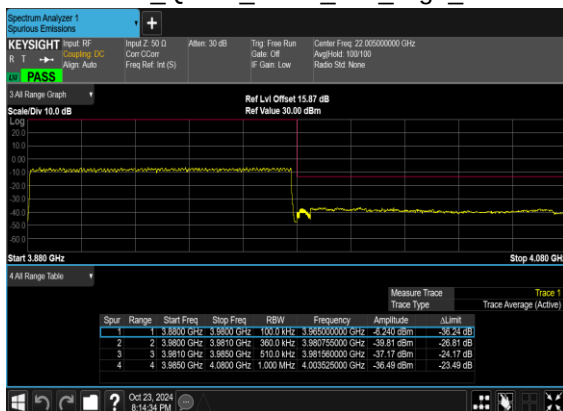


N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

FR1 N78

Transmitter Conducted Output Power And EIRP, ($G_T - L_c$)=2dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.66	27.66	0.5834
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	25.29	27.29	0.5358
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	25.9	27.9	0.6166
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.47	27.47	0.5585
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	26.08	28.08	0.6427
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	25.63	27.63	0.5794
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	25.65	27.65	0.5821
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	25.2	27.2	0.5248
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	26.01	28.01	0.6324
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.55	27.55	0.5689
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	26.11	28.11	0.6471
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	25.65	27.65	0.5821
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	25.68	27.68	0.5861
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	25.18	27.18	0.5224
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	26.04	28.04	0.6368
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.54	27.54	0.5675
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	25.96	27.96	0.6252
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	25.52	27.52	0.5649
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	25.59	27.59	0.5741
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	25.17	27.17	0.5212
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	25.97	27.97	0.6266
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.5	27.5	0.5623
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	25.96	27.96	0.6252
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	25.54	27.54	0.5675
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	25.79	27.79	0.6012
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	25.19	27.19	0.5236
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	25.85	27.85	0.6095
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.44	27.44	0.5546
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	25.92	27.92	0.6194
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	25.5	27.5	0.5623
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	25.67	27.67	0.5848
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	25.24	27.24	0.5297
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	26.04	28.04	0.6368
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.45	27.45	0.5559
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	26.1	28.1	0.6457



78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	25.48	27.48	0.5598
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	25.78	27.78	0.5998
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	25.25	27.25	0.5309
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	26	28	0.6310
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.38	27.38	0.5470
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	26.14	28.14	0.6516
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	25.49	27.49	0.5610
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	25.74	27.74	0.5943
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	25.22	27.22	0.5272
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	25.82	27.82	0.6053
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.37	27.37	0.5458
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	26.02	28.02	0.6339
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	25.42	27.42	0.5521
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	26.14	28.14	0.6516
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.76	27.76	0.5970
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	26.3	28.3	0.6761
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	26.15	28.15	0.6531
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	25.77	27.77	0.5984
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	26.2	28.2	0.6607
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	25.63	27.63	0.5794
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.25	27.25	0.5309
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	25.76	27.76	0.5970
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	24.7	26.7	0.4677
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	24.35	26.35	0.4315
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	24.81	26.81	0.4797
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	24.2	26.2	0.4169
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	23.63	25.63	0.3656
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	24.11	26.11	0.4083
78	30	100	650000	3750	CP-OFDM QPSK	137@68	25.04	27.04	0.5058
78	30	100	650000	3750	CP-OFDM QPSK	1@1	24.66	26.66	0.4634
78	30	100	650000	3750	CP-OFDM QPSK	1@271	25.17	27.17	0.5212

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0041	PASS	NV
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0043	PASS	LV
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0025	PASS	HV
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0058	PASS	-30°C
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0024	PASS	-20°C
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0041	PASS	-10°C
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0066	PASS	0°C
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0040	PASS	10°C
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0041	PASS	20°C
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0054	PASS	30°C
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0021	PASS	40°C
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0047	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
78	30	20	650000	3750.0	DFT-s-OFDM PI/2 BPSK	50@0	4.1	13	PASS
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	5.28	13	PASS

N78(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N78(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH

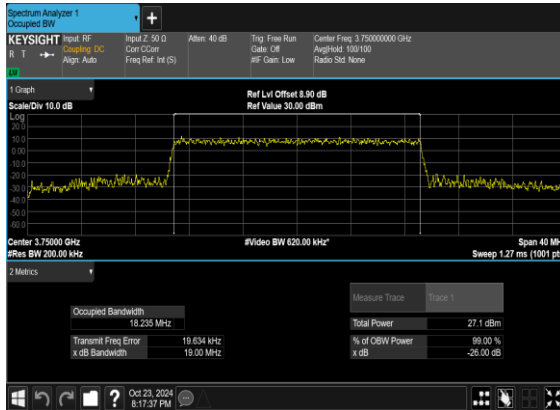


Occupied Bandwidth

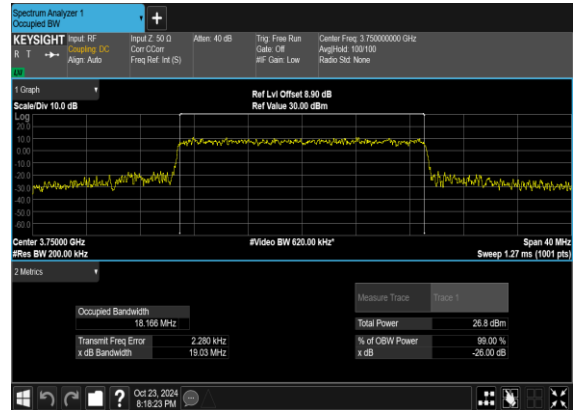
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	18.235	19.0
78	30	20	650000	3750.0	CP-OFDM 16 QAM	51@0	18.166	19.03
78	30	20	650000	3750.0	CP-OFDM 64 QAM	51@0	18.158	19.02
78	30	20	650000	3750.0	CP-OFDM 256 QAM	51@0	18.289	19.14
78	30	30	650000	3750.0	CP-OFDM QPSK	78@0	27.761	28.93
78	30	30	650000	3750.0	CP-OFDM 16 QAM	78@0	27.781	28.89
78	30	30	650000	3750.0	CP-OFDM 64 QAM	78@0	27.742	28.99
78	30	30	650000	3750.0	CP-OFDM 256 QAM	78@0	27.77	29.18
78	30	40	650000	3750.0	CP-OFDM QPSK	106@0	37.841	39.21
78	30	40	650000	3750.0	CP-OFDM 16 QAM	106@0	37.844	39.4
78	30	40	650000	3750.0	CP-OFDM 64 QAM	106@0	37.902	39.2
78	30	40	650000	3750.0	CP-OFDM 256 QAM	106@0	37.831	39.2
78	30	50	650000	3750.0	CP-OFDM QPSK	133@0	47.553	49.02
78	30	50	650000	3750.0	CP-OFDM 16 QAM	133@0	47.424	49.16
78	30	50	650000	3750.0	CP-OFDM 64 QAM	133@0	47.446	49.02
78	30	50	650000	3750.0	CP-OFDM 256 QAM	133@0	47.504	49.11
78	30	60	650000	3750.0	CP-OFDM QPSK	162@0	57.857	63.18
78	30	60	650000	3750.0	CP-OFDM 16 QAM	162@0	57.909	59.59
78	30	60	650000	3750.0	CP-OFDM 64 QAM	162@0	57.679	59.89
78	30	60	650000	3750.0	CP-OFDM 256 QAM	162@0	57.742	59.7
78	30	70	650000	3750.0	CP-OFDM QPSK	189@0	67.658	69.78
78	30	70	650000	3750.0	CP-OFDM 16 QAM	189@0	67.31	69.73
78	30	70	650000	3750.0	CP-OFDM 64 QAM	189@0	67.647	69.76
78	30	70	650000	3750.0	CP-OFDM 256 QAM	189@0	67.417	69.59
78	30	80	650000	3750.0	CP-OFDM QPSK	217@0	77.412	79.9
78	30	80	650000	3750.0	CP-OFDM 16 QAM	217@0	77.474	79.9
78	30	80	650000	3750.0	CP-OFDM 64 QAM	217@0	77.421	80.02
78	30	80	650000	3750.0	CP-OFDM 256 QAM	217@0	77.53	79.91
78	30	90	650000	3750.0	CP-OFDM QPSK	245@0	87.66	90.2
78	30	90	650000	3750.0	CP-OFDM 16 QAM	245@0	87.61	90.14
78	30	90	650000	3750.0	CP-OFDM 64 QAM	245@0	87.665	90.14
78	30	90	650000	3750.0	CP-OFDM 256 QAM	245@0	87.49	90.27
78	30	100	650000	3750.0	CP-OFDM QPSK	273@0	97.447	100.6
78	30	100	650000	3750.0	CP-OFDM 16 QAM	273@0	97.338	100.4
78	30	100	650000	3750.0	CP-OFDM 64 QAM	273@0	97.367	100.5
78	30	100	650000	3750.0	CP-OFDM 256 QAM	273@0	97.213	100.4



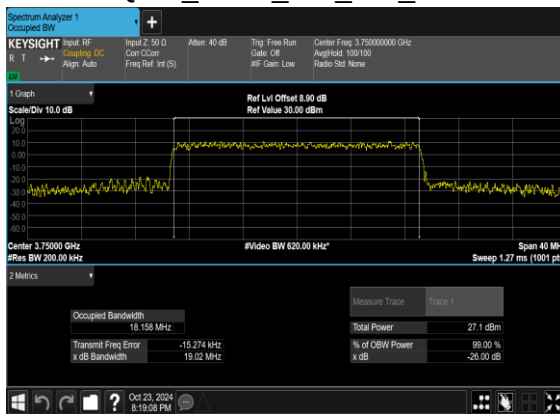
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OFDM_QPSK_Outer_Full_Mid_CH



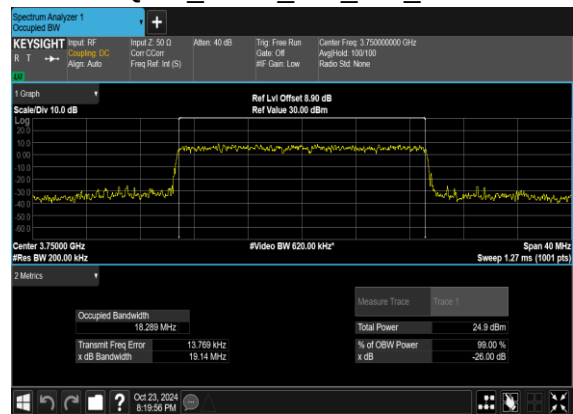
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QAM_Outer_Full_Mid_CH

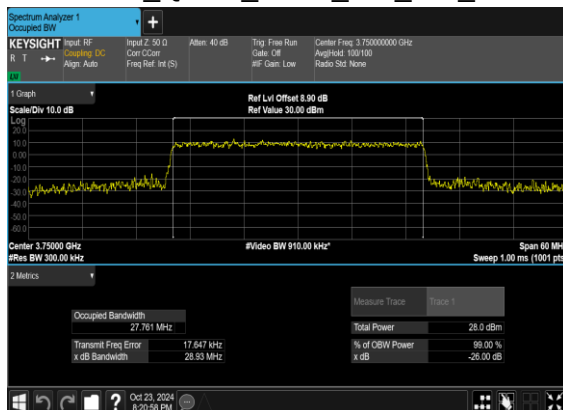
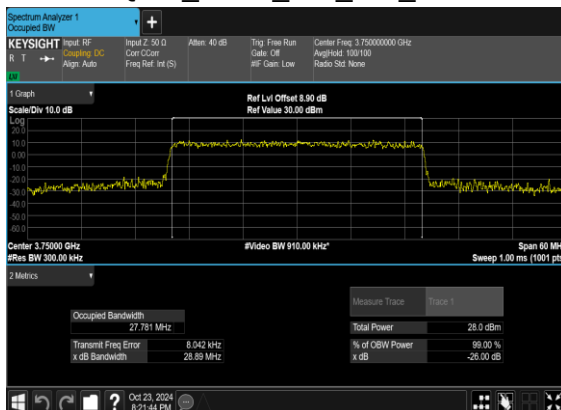
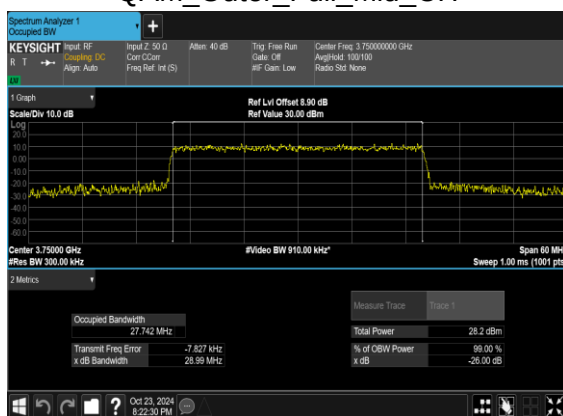
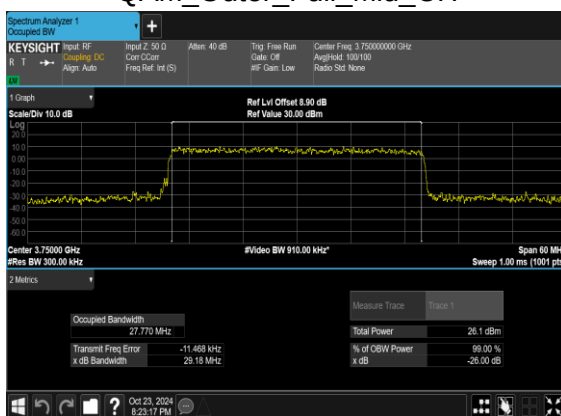


N78(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



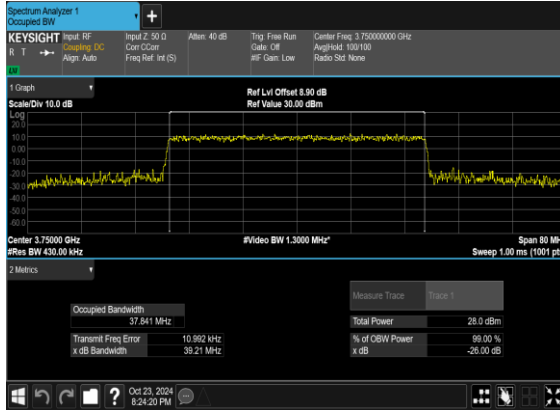
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QAM_Outer_Full_Mid_CH



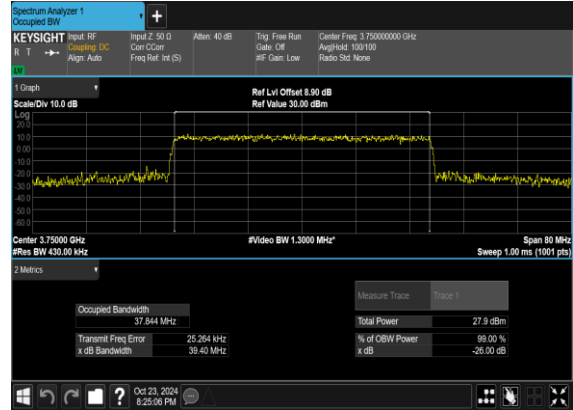
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OFDM_QPSK_Outer_Full_Mid_CHN78(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CHN78(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CHN78(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



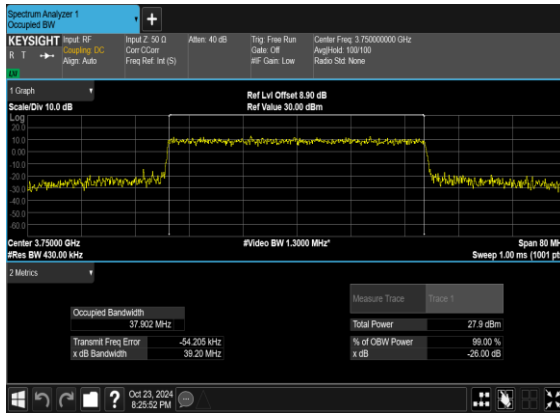
N78(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



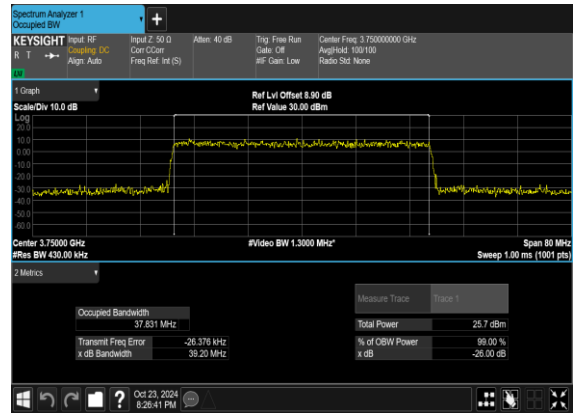
N78(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N78(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

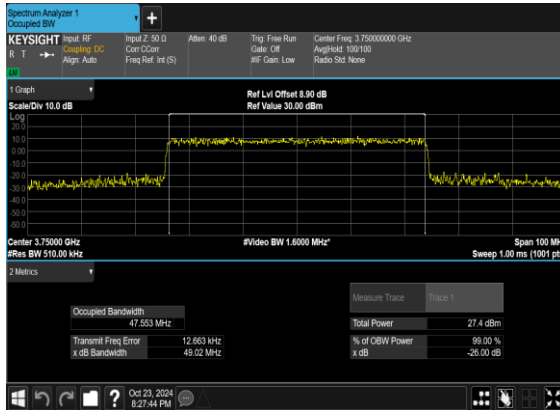


N78(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

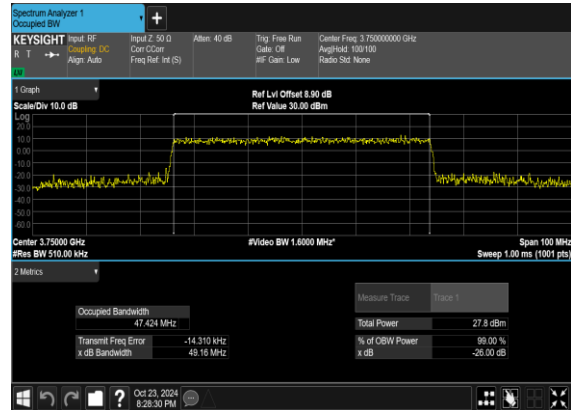




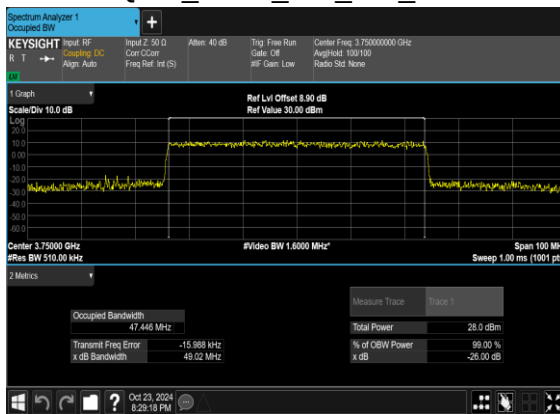
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OFDM_QPSK_Outer_Full_Mid_CH



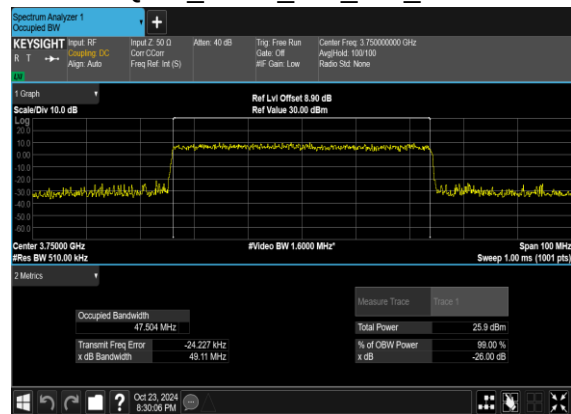
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QAM_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

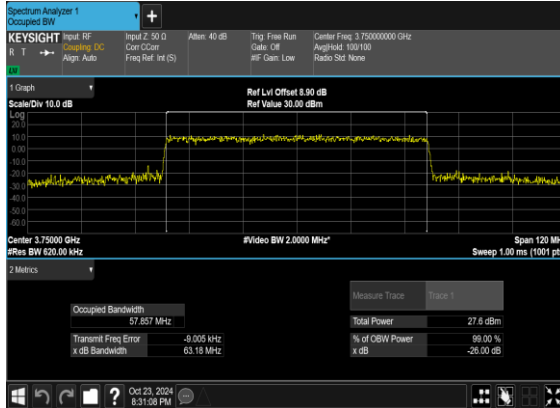


N78(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





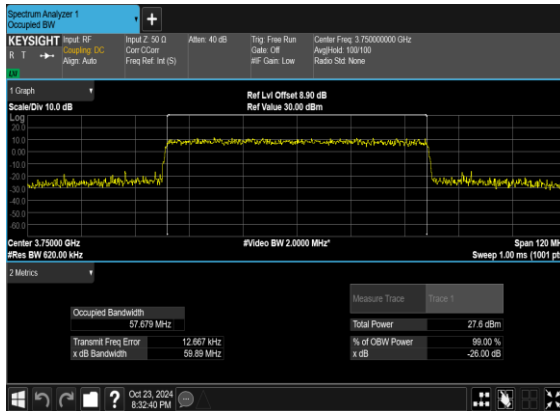
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OFDM_QPSK_Outer_Full_Mid_CH



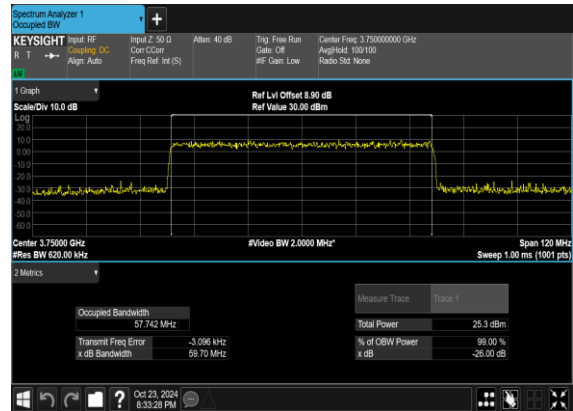
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QAM_Outer_Full_Mid_CH



N78(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

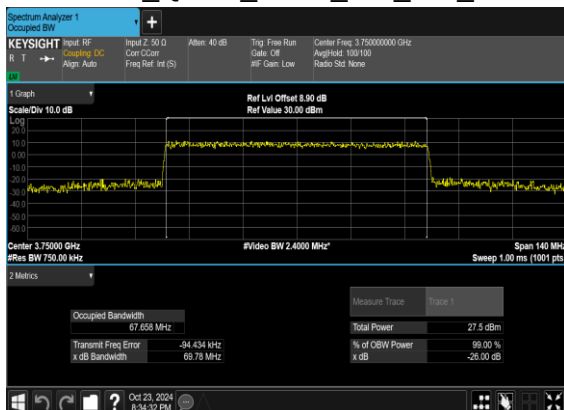


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QAM_Outer_Full_Mid_CH

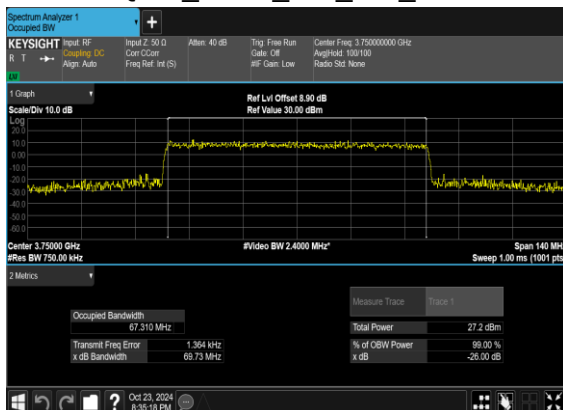




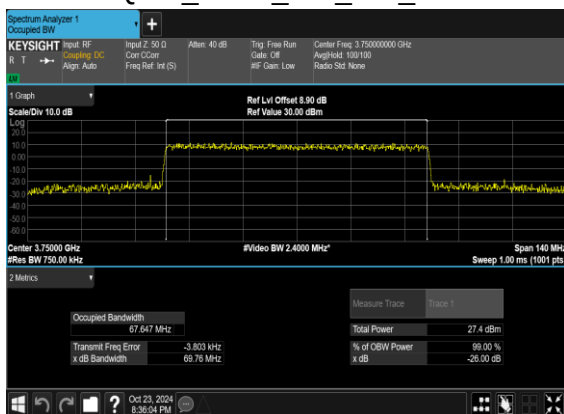
N78(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



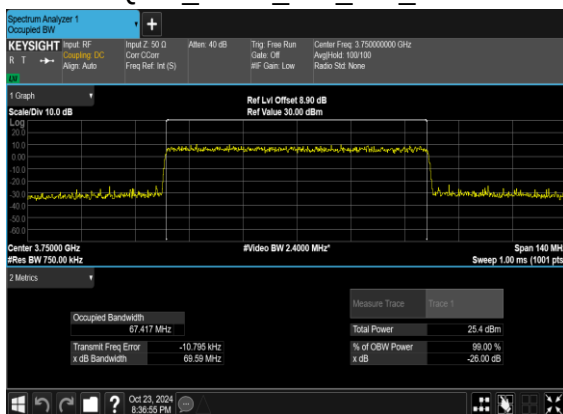
N78(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

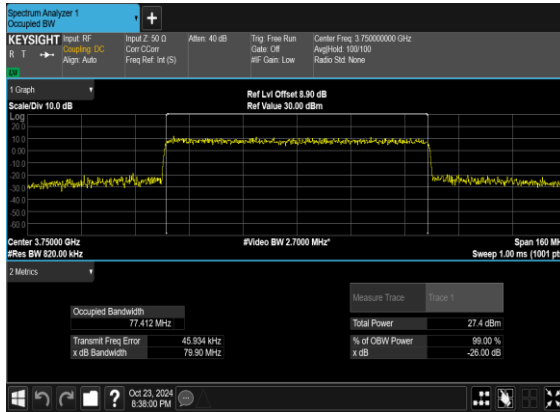


N78(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

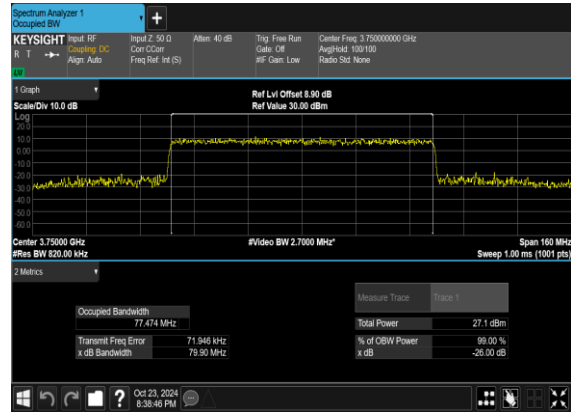




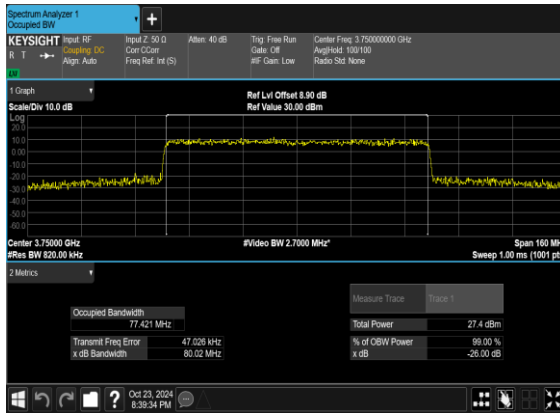
N78(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



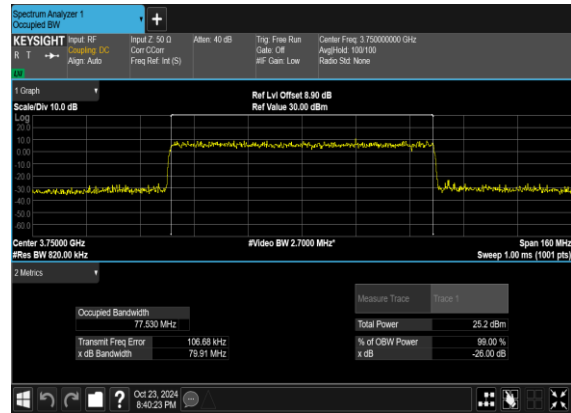
N78(80M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH

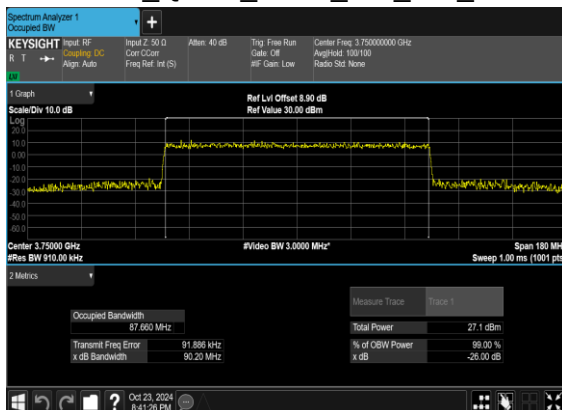
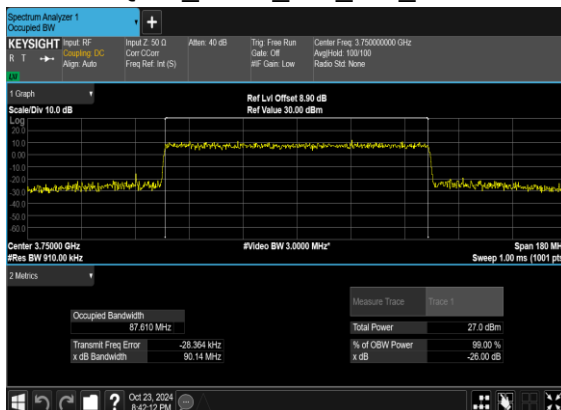
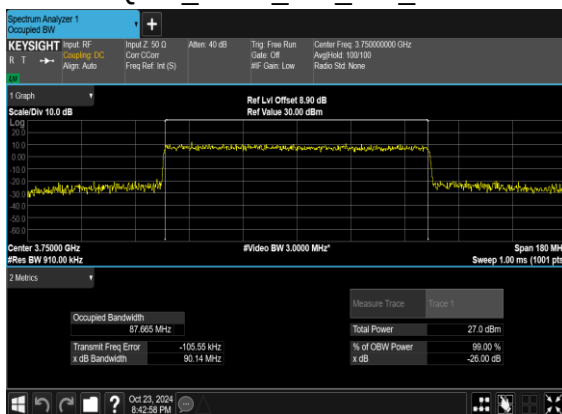
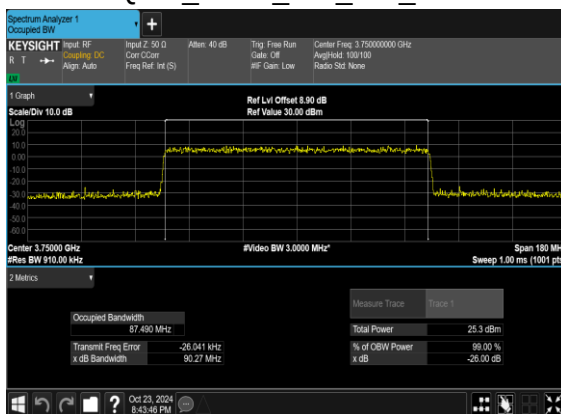


N78(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



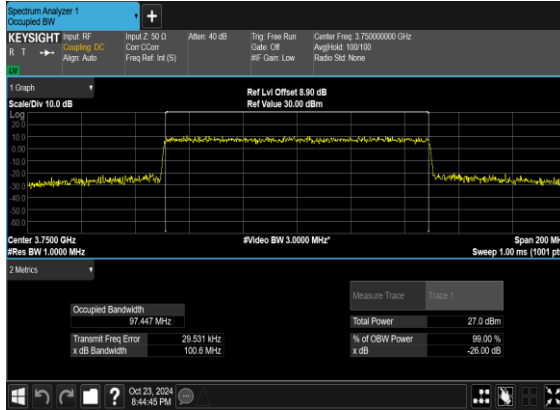
N78(80M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



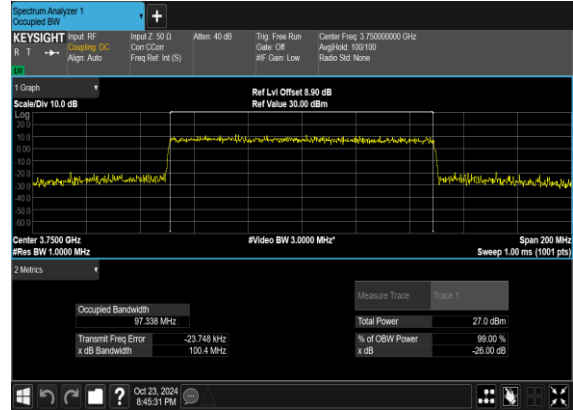
N78(90M)_CP-
OFDM_QPSK_Outer_Full_Mid_CHN78(90M)_CP-OFDM_16
QAM_Outer_Full_Mid_CHN78(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CHN78(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



N78(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



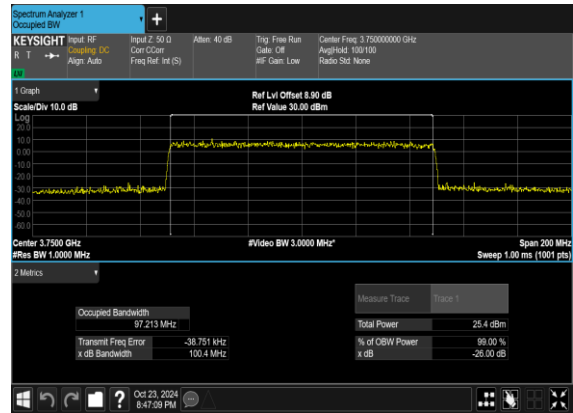
N78(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N78(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



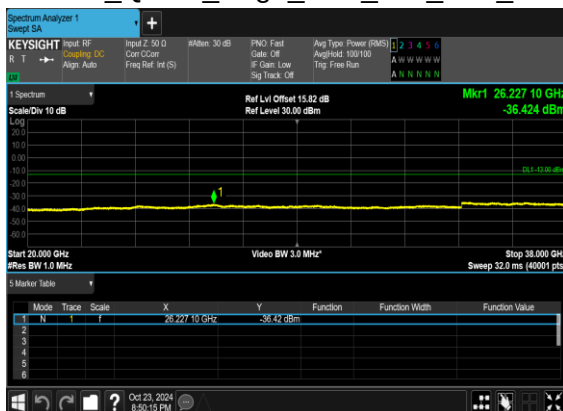
N78(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





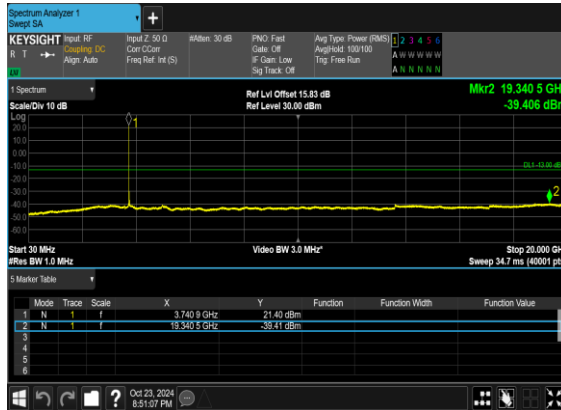
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	20	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	20	652666	3789.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	60	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	60	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	60	651332	3769.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

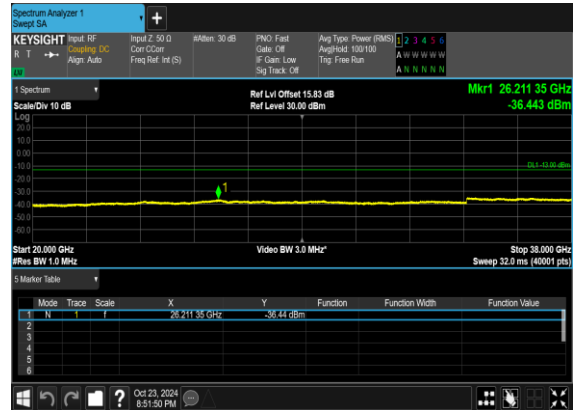
N78(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN78(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN78(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN78(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



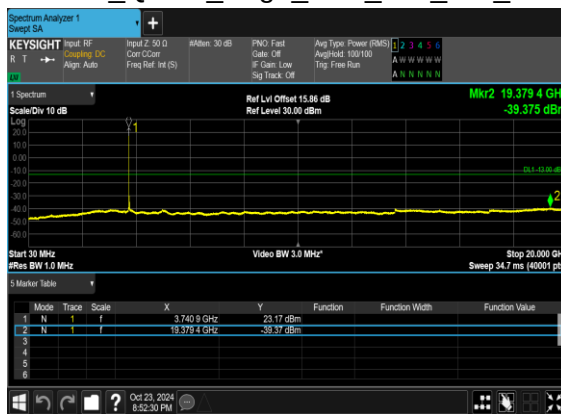
N78(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



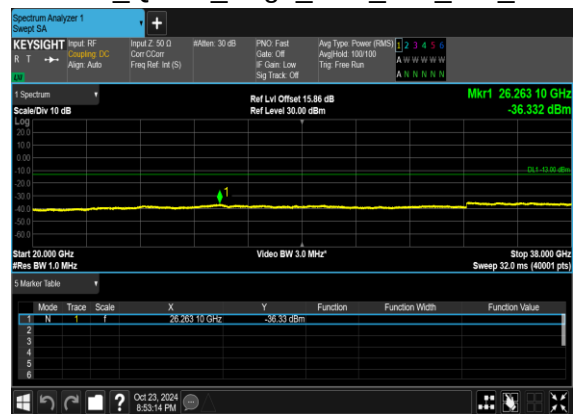
N78(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

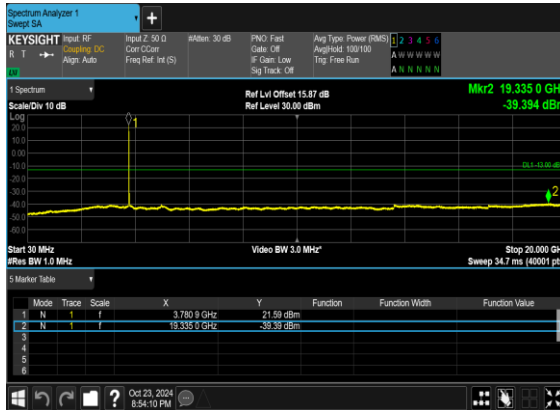


N78(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

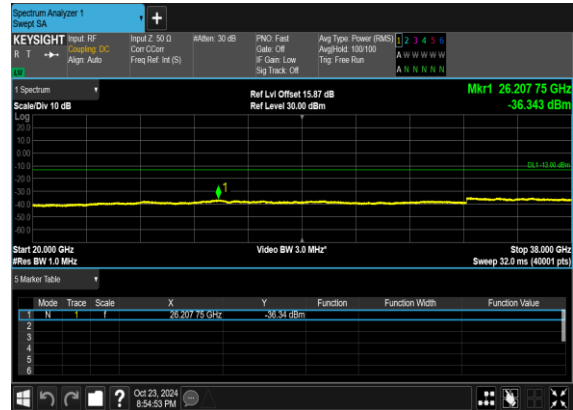




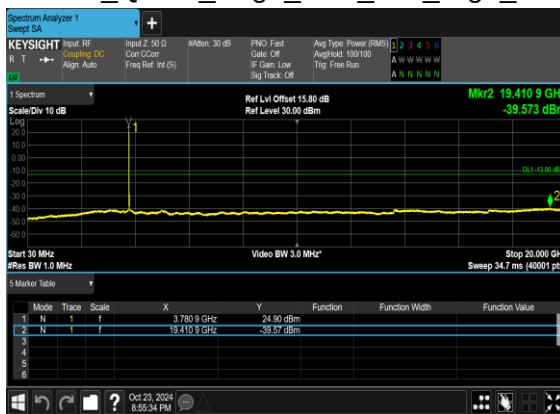
N78(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



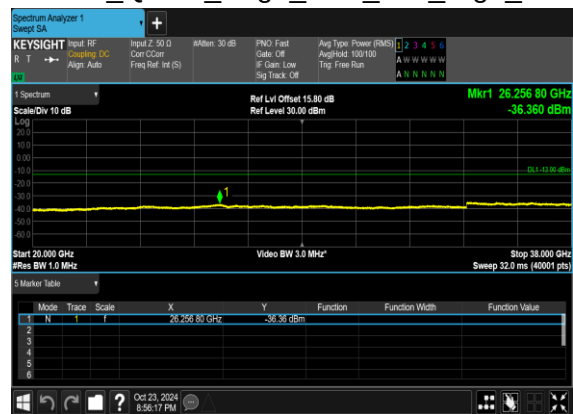
N78(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N78(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

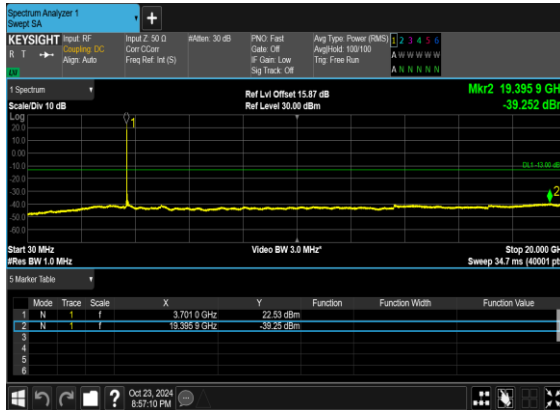


N78(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

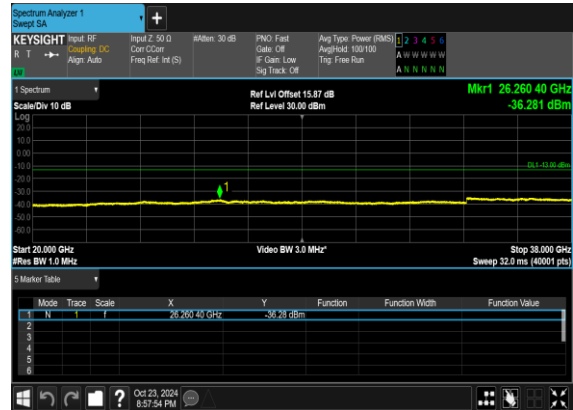




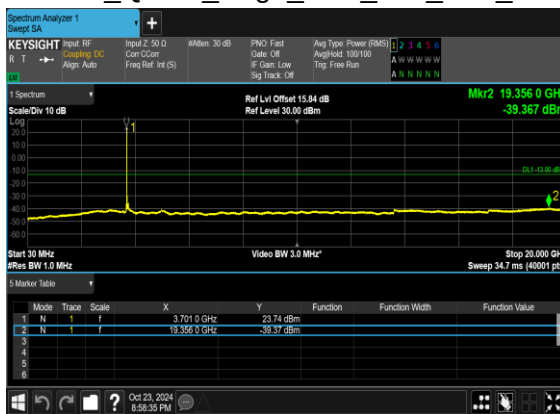
N78(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



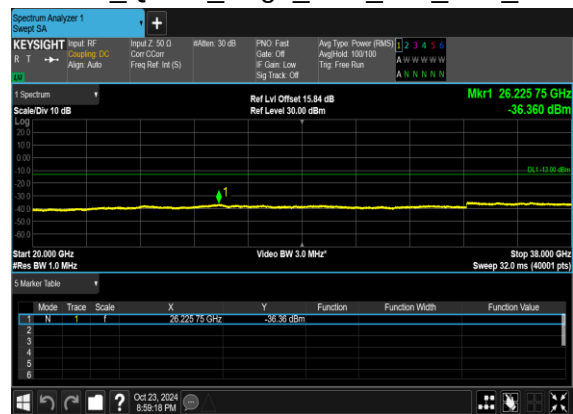
N78(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

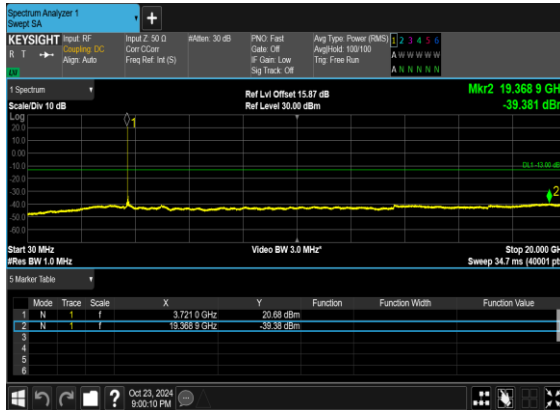


N78(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

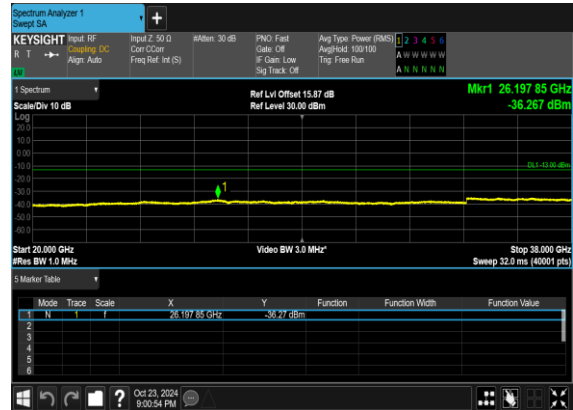




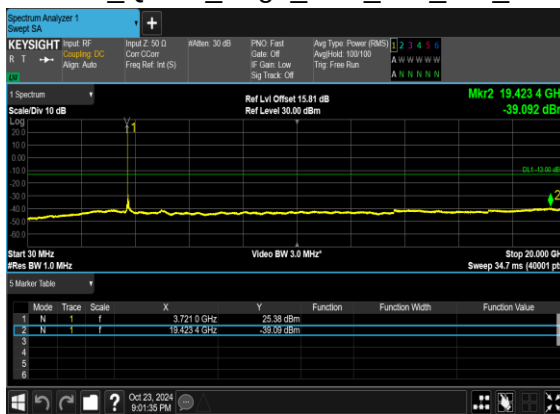
N78(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



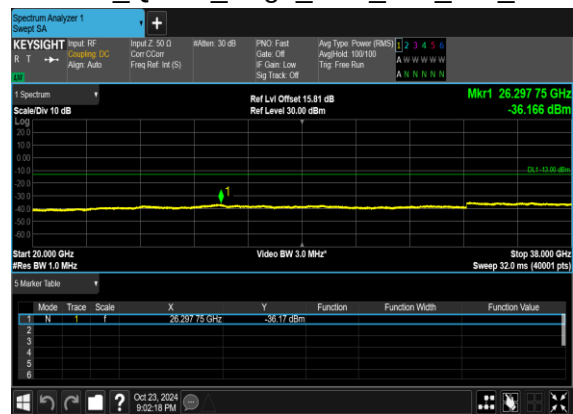
N78(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

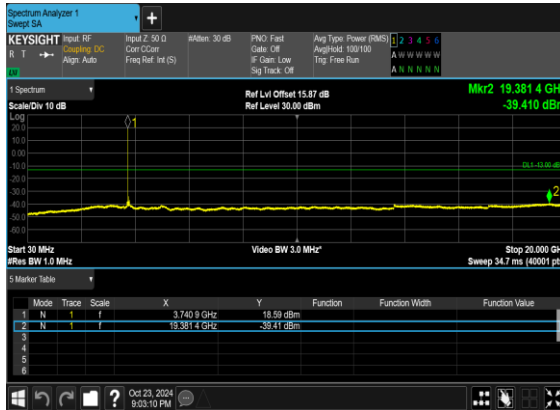


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OFDM_QPSK_Edge_1RB_Left_Mid_CH

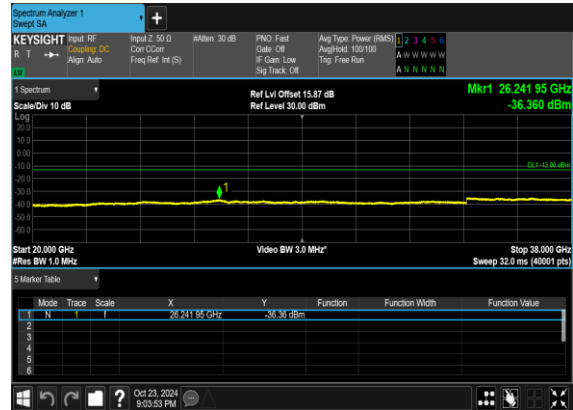




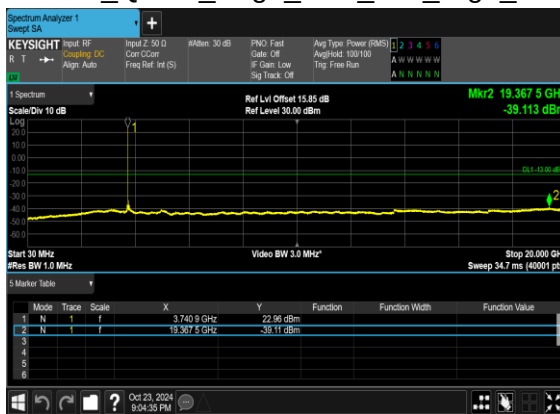
N78(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



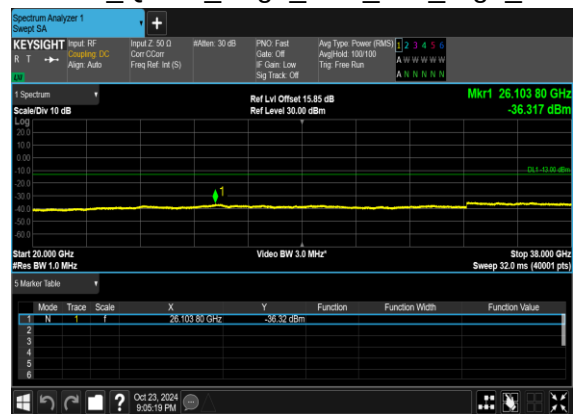
N78(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N78(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

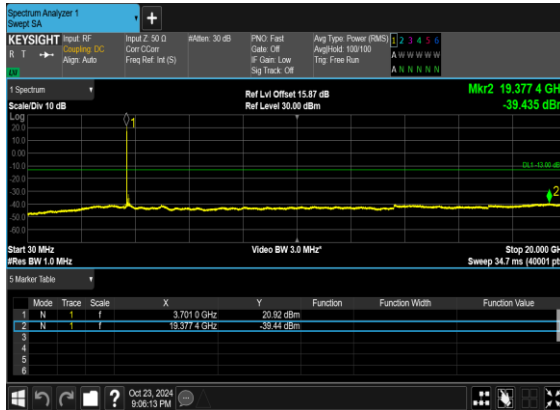


N78(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

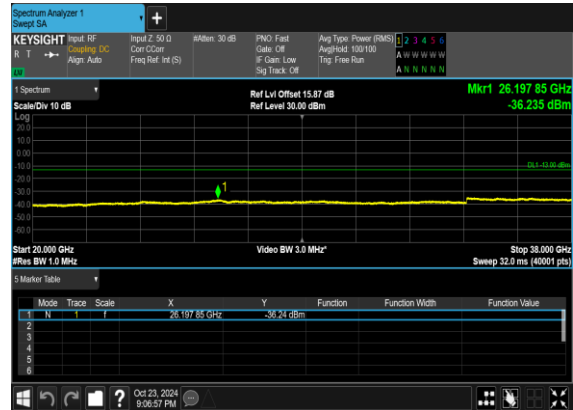




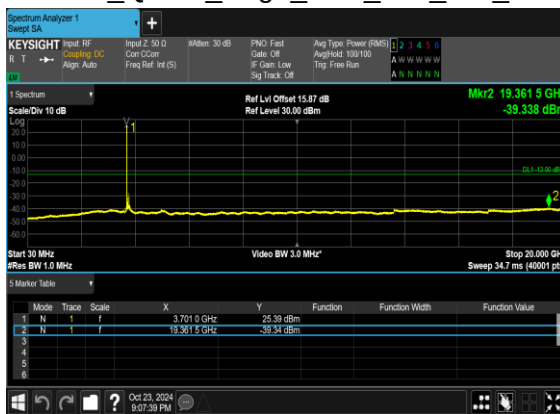
N78(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



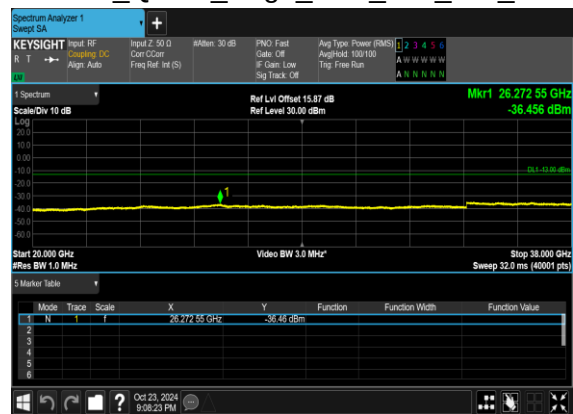
N78(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

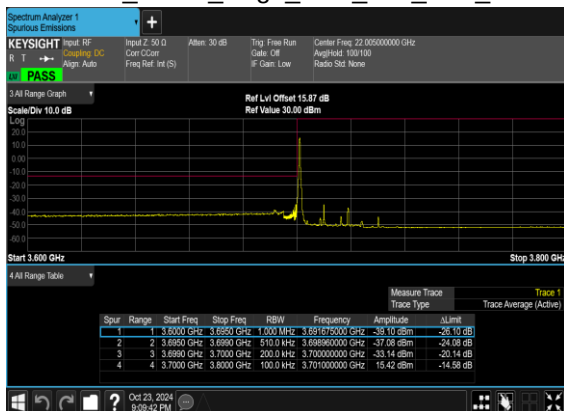
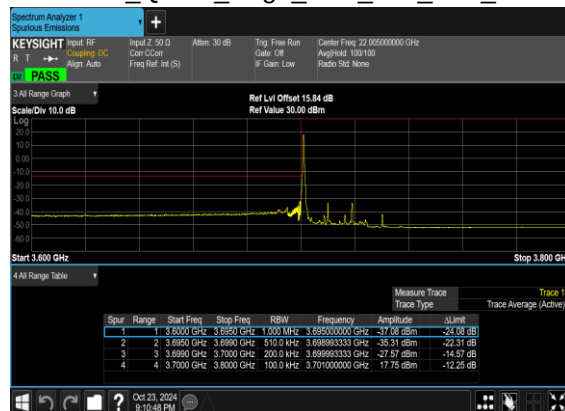
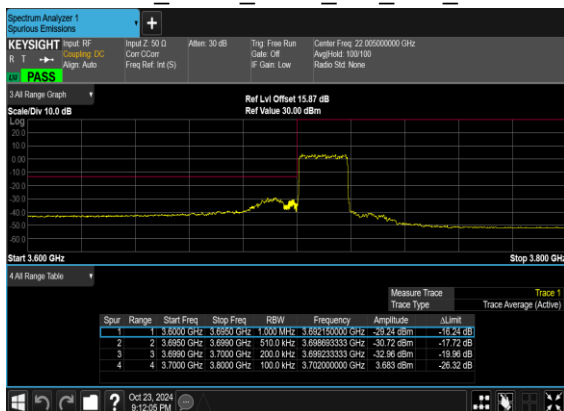
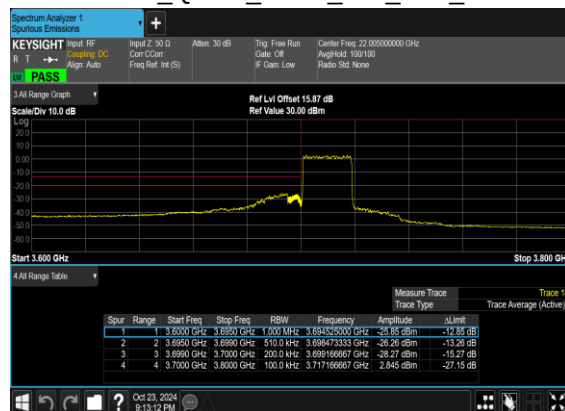


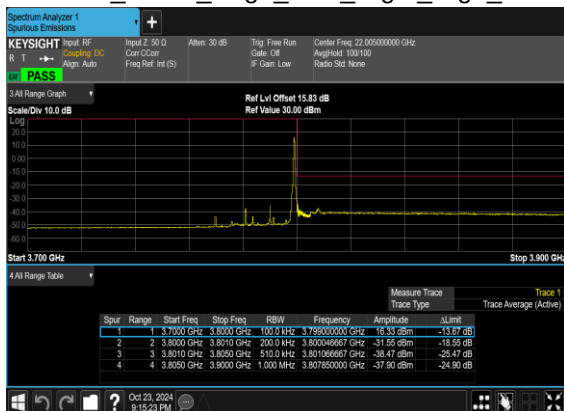
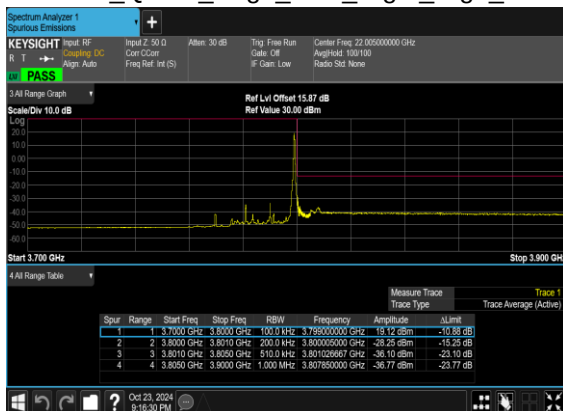
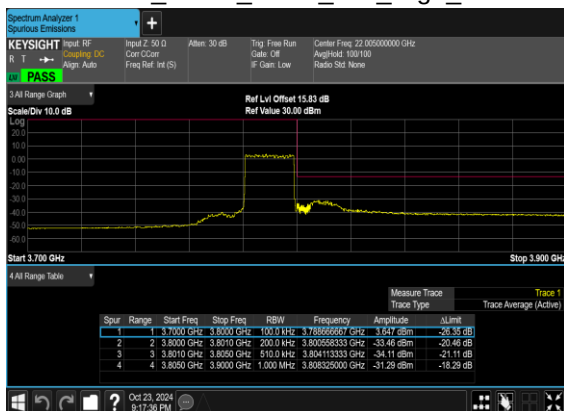
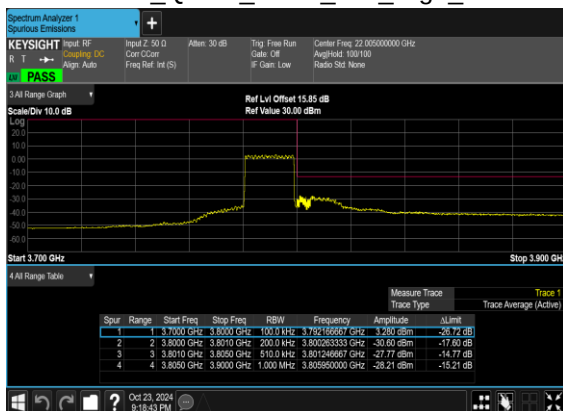
N78(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

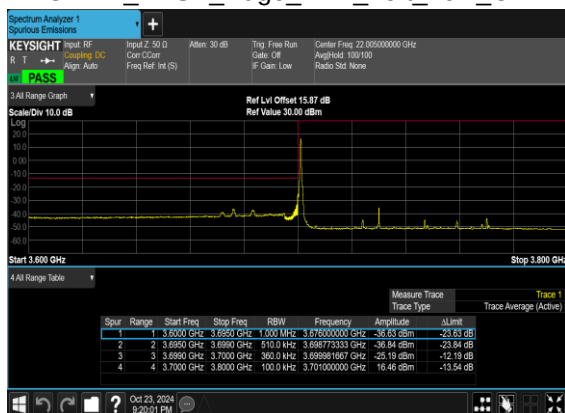
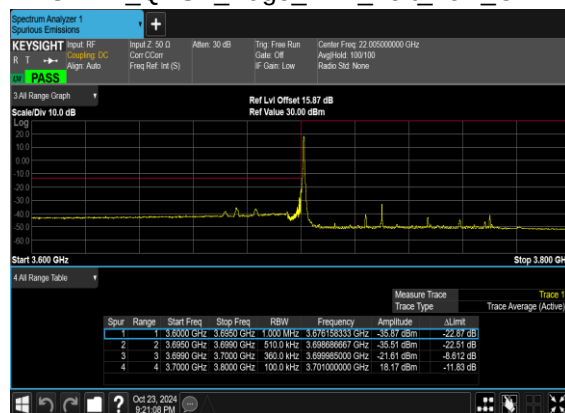
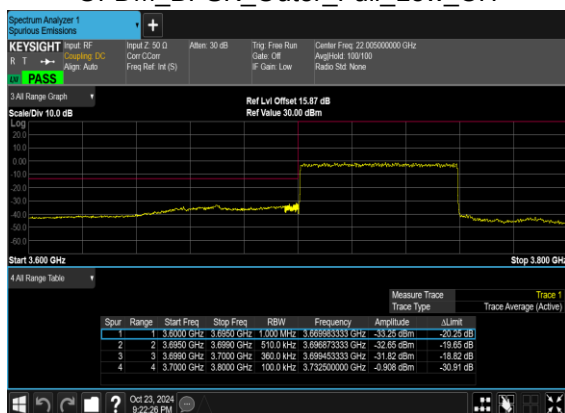
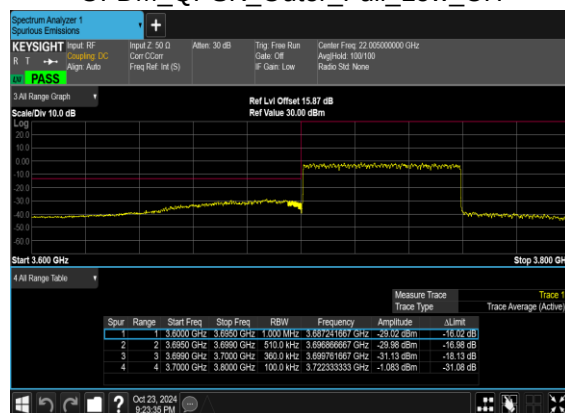


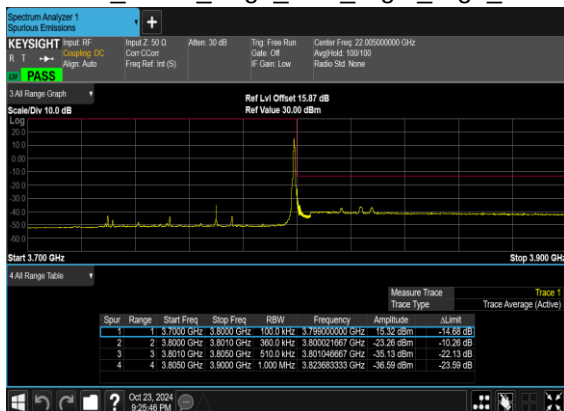
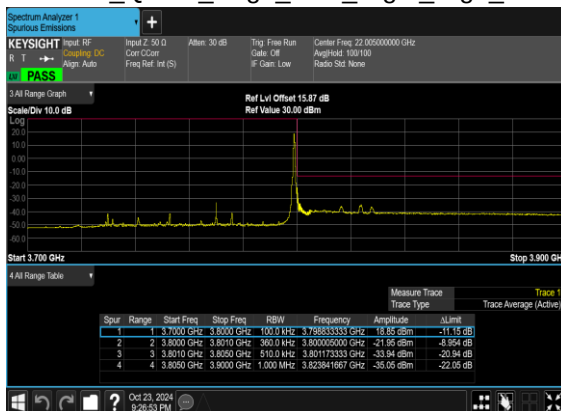
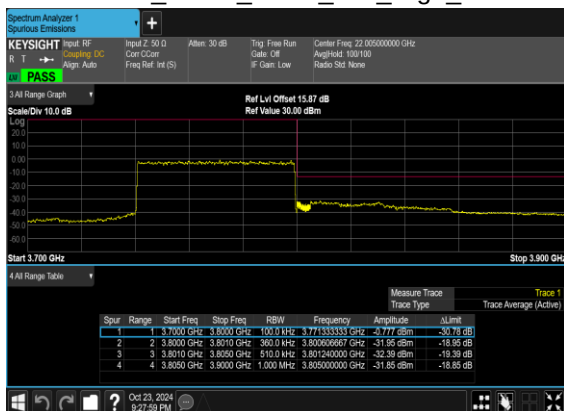
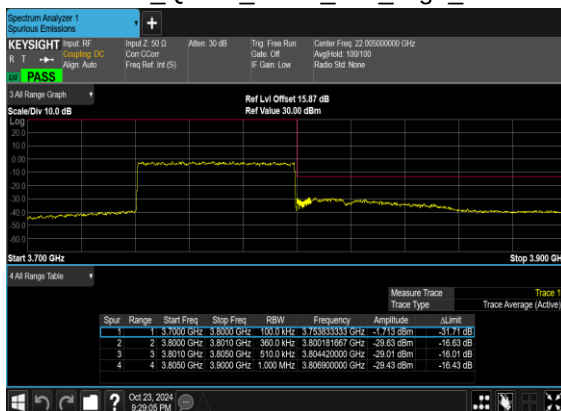
Conducted Band Edge

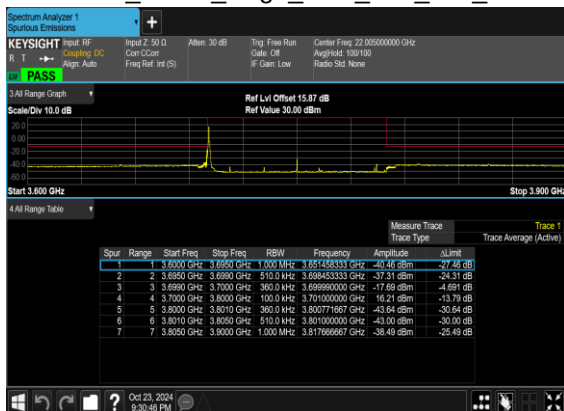
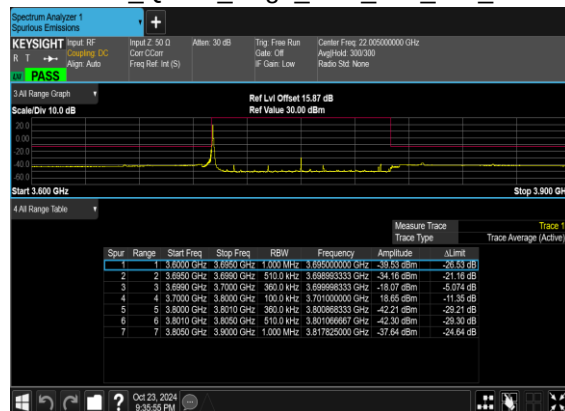
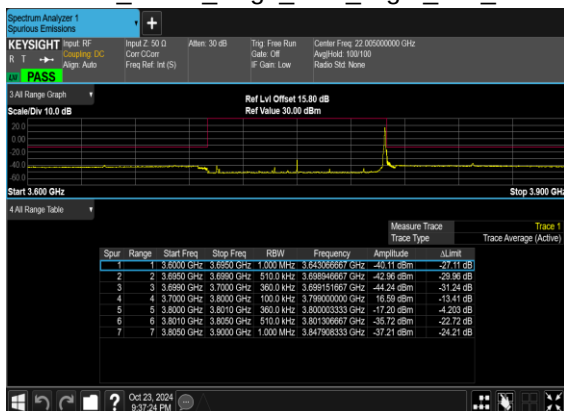
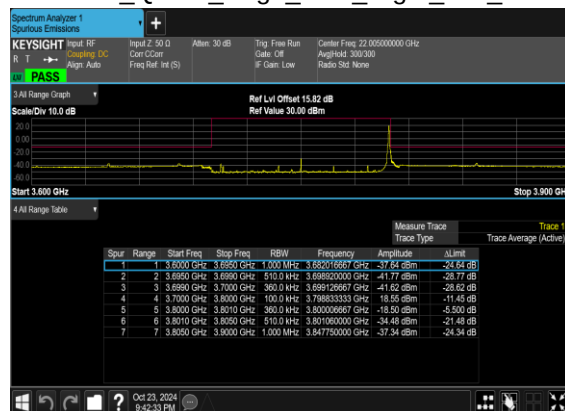
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	647334	3710.01	DFT-s-OFDM BPSK	50@0	see graph	PASS
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM BPSK	1@50	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@50	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM BPSK	50@0	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	50@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM BPSK	1@161	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@161	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	PASS

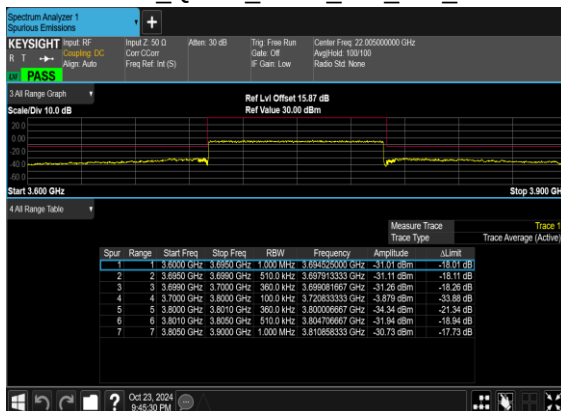
N78(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN78(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN78(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN78(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

N78(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN78(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN78(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN78(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

N78(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN78(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN78(60M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN78(60M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

N78(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN78(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN78(60M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN78(60M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

N78(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN78(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN78(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Mid_CHN78(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_Mid_CH

N78(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Mid_CHN78(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	HuaCong Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

5G NR n77 SA / NR 100MHz / QPSK / ANT9									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7582.36	-58.15	-13	-45.15	-66.46	-61.45	8.30	11.60	H
	11373.54	-55.28	-13	-42.28	-69.62	-56.80	10.48	12.00	H
	15164.72	-52.56	-13	-39.56	-70.65	-54.26	11.80	13.50	H
	7582.36	-58.31	-13	-45.31	-66.62	-61.61	8.30	11.60	V
	11373.54	-50.98	-13	-37.98	-69.4	-52.50	10.48	12.00	V
	15164.72	-52.41	-13	-39.41	-70.49	-54.11	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_7A_n77A / LTE 10MHz + NR 100MHz / QPSK/ANT(5+9)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Middle	7582.36	-58.07	-13	-45.07	-66.38	-61.37	8.30	11.60	H
	11373.54	-55.53	-13	-42.53	-69.87	-57.05	10.48	12.00	H
	15164.72	-52.39	-13	-39.39	-70.48	-54.09	11.80	13.50	H
	7582.36	-58.46	-13	-45.46	-66.77	-61.76	8.30	11.60	V
	11373.54	-51.00	-13	-38.00	-69.42	-52.52	10.48	12.00	V
	15164.72	-52.36	-13	-39.36	-70.44	-54.06	11.80	13.50	V
LTE Band7 Middle	5061.18	-61.32	-25	-36.32	-65.54	-66.88	7.14	12.70	H
	7591.77	-58.07	-25	-33.07	-66.32	-61.37	8.30	11.60	H
	10122.36	-56.89	-25	-31.89	-68.64	-58.41	10.48	12.00	H
	5061.18	-60.47	-25	-35.47	-65.9	-66.03	7.14	12.70	V
	7591.77	-58.46	-25	-33.46	-66.71	-61.76	8.30	11.60	V
	10122.36	-55.61	-25	-30.61	-68.41	-57.13	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



5G NR n78 SA / NR 100MHz / QPSK / ANT9									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7401.00	-57.98	-13	-44.98	-65.82	-61.28	8.30	11.60	H
	11101.50	-54.55	-13	-41.55	-68.93	-56.07	10.48	12.00	H
	14802.00	-52.94	-13	-39.94	-68.94	-54.64	11.80	13.50	H
	7401.00	-57.57	-13	-44.57	-65.38	-60.87	8.30	11.60	V
	11101.50	-52.66	-13	-39.66	-68.97	-54.18	10.48	12.00	V
	14802.00	-52.99	-13	-39.99	-69.27	-54.69	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_7A_n78A / LTE 10MHz + NR 100MHz / QPSK/ANT(5+9)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n78 Middle	7401.00	-58.11	-13	-45.11	-65.95	-61.41	8.30	11.60	H
	11101.50	-54.88	-13	-41.88	-69.26	-56.40	10.48	12.00	H
	14802.00	-53.19	-13	-40.19	-69.19	-54.89	11.80	13.50	H
	7401.00	-57.65	-13	-44.65	-65.46	-60.95	8.30	11.60	V
	11101.50	-52.64	-13	-39.64	-68.95	-54.16	10.48	12.00	V
	14802.00	-53.02	-13	-40.02	-69.30	-54.72	11.80	13.50	V
LTE Band7 Middle	5061.18	-62.16	-25	-37.16	-65.19	-67.72	7.14	12.70	H
	7591.77	-58.96	-25	-33.96	-66.20	-62.26	8.30	11.60	H
	10122.36	-56.96	-25	-31.96	-67.96	-58.48	10.48	12.00	H
	5061.18	-61.01	-25	-36.01	-65.25	-66.57	7.14	12.70	V
	7591.77	-58.96	-25	-33.96	-66.2	-62.26	8.30	11.60	V
	10122.36	-55.84	-25	-30.84	-67.89	-57.36	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.