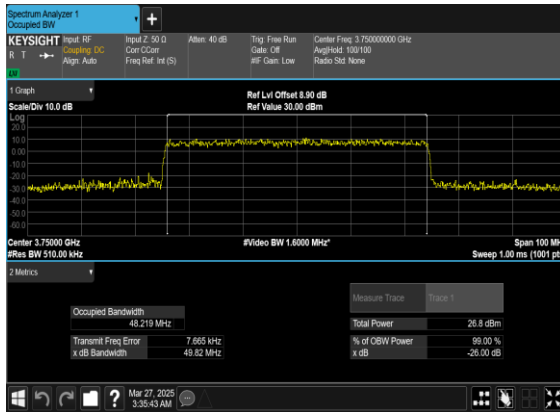
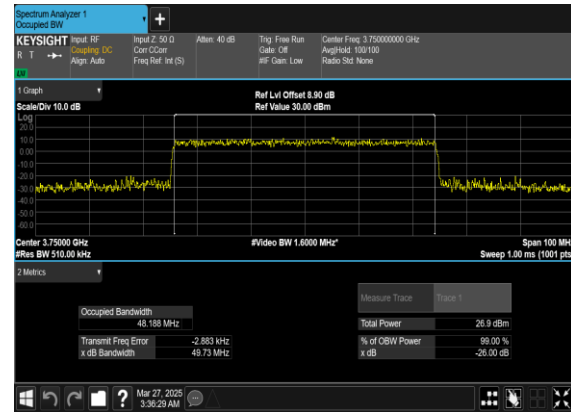




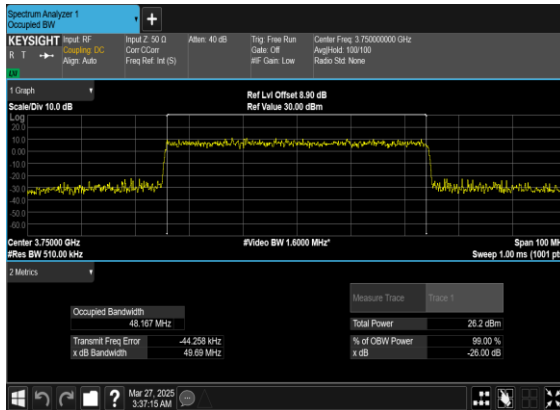
N78(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



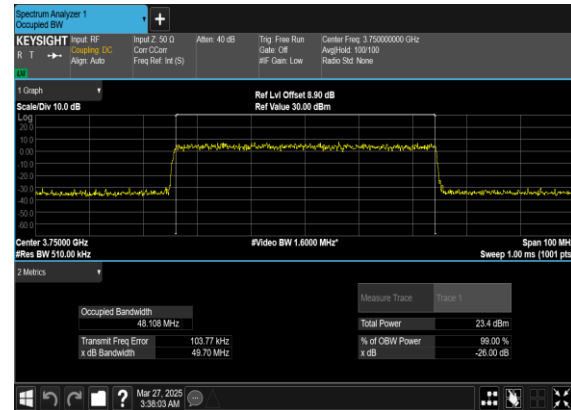
N78(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



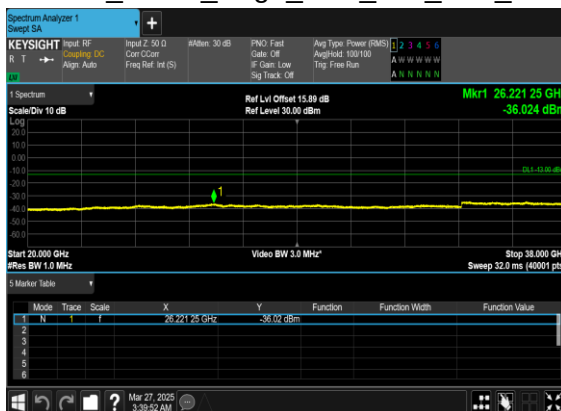
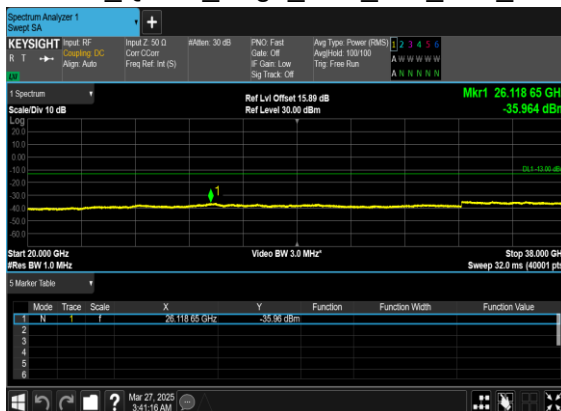


Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	15	40	648000	3720.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	40	648000	3720.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	40	648000	3720.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	40	648000	3720.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	40	648000	3720.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	40	648000	3720.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	40	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	40	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	40	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	40	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	40	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	40	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	40	652000	3780.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	40	652000	3780.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	40	652000	3780.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	40	652000	3780.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	40	652000	3780.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	40	652000	3780.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS



78	15	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	50	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	50	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	50	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	50	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	50	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	50	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	50	651666	3774.99	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	50	651666	3774.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	50	651666	3774.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	1@0	see graph	PASS

N78(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN78(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN78(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN78(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



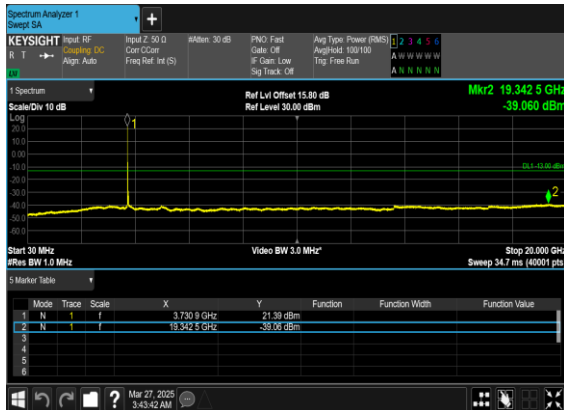
N78(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



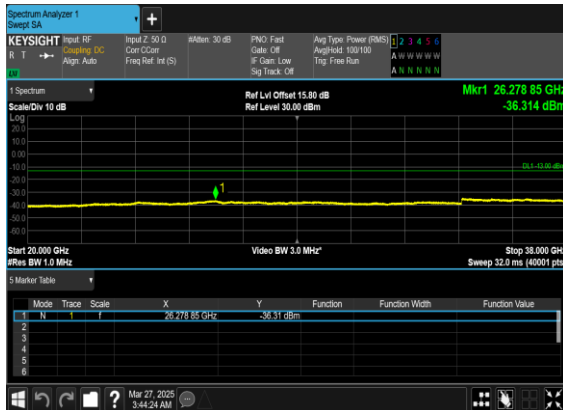
N78(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

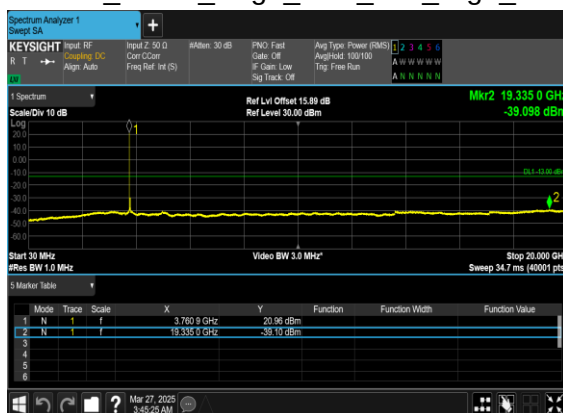


N78(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH





N78(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



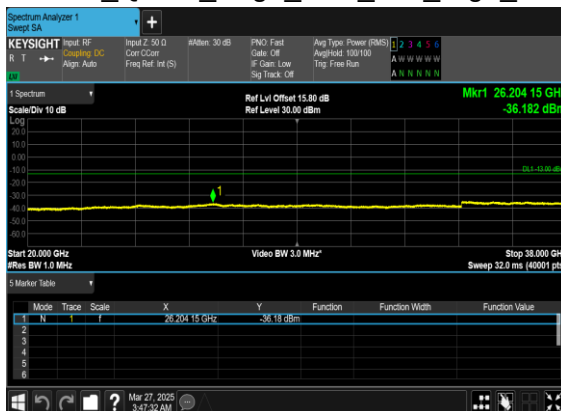
N78(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N78(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N78(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH





N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



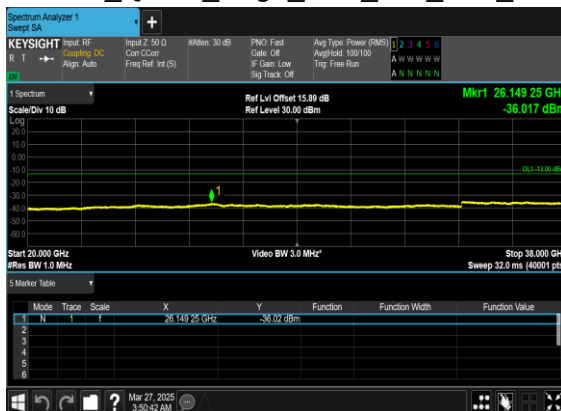
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH





N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



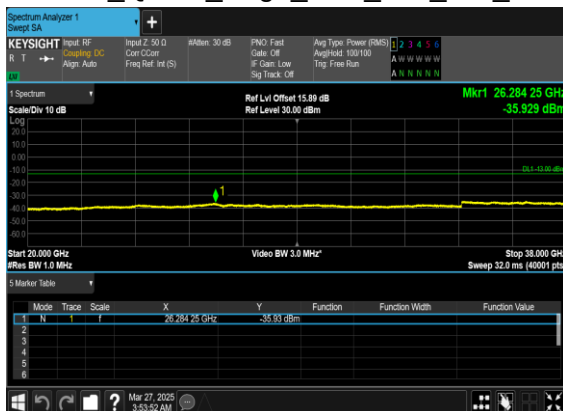
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

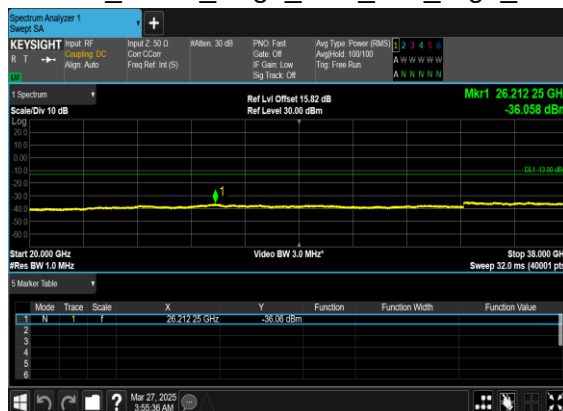
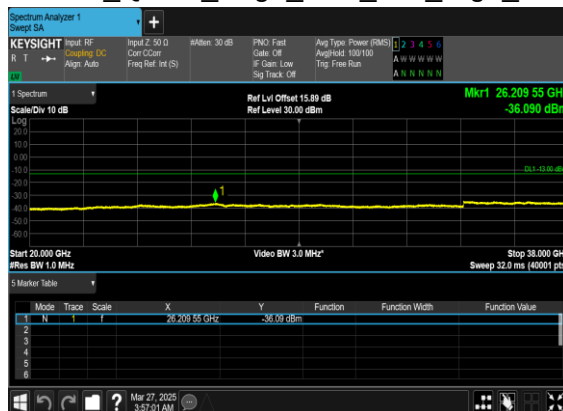


N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



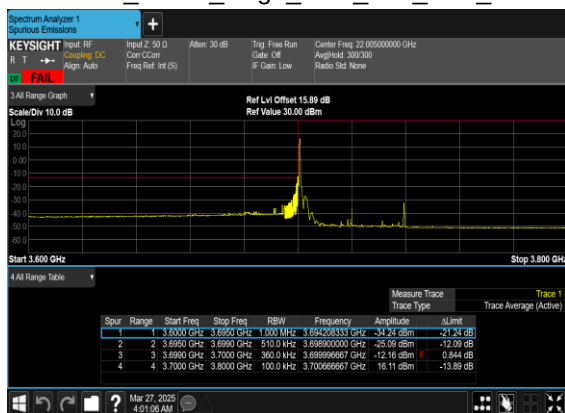
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CHN78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

**Conducted Band Edge**

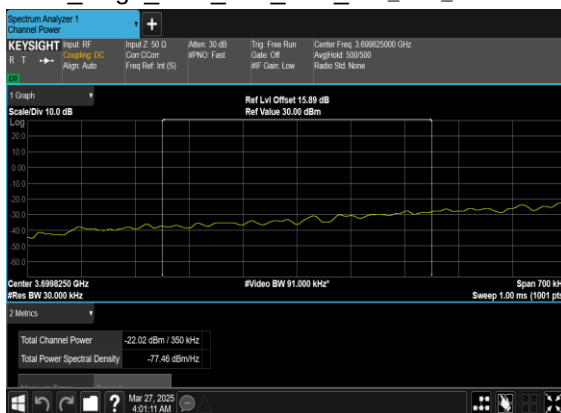
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	15	40	648000	3720.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	40	648000	3720.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	40	648000	3720.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
78	15	40	648000	3720.0	DFT-s-OFDM QPSK	216@0	see graph	PASS
78	15	40	652000	3780.0	DFT-s-OFDM BPSK	1@215	see graph	PASS
78	15	40	652000	3780.0	DFT-s-OFDM QPSK	1@215	see graph	PASS
78	15	40	652000	3780.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
78	15	40	652000	3780.0	DFT-s-OFDM QPSK	216@0	see graph	PASS
78	15	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	50	648334	3725.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	270@0	see graph	PASS
78	15	50	651666	3774.99	DFT-s-OFDM BPSK	1@269	see graph	PASS
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	1@269	see graph	PASS
78	15	50	651666	3774.99	DFT-s-OFDM BPSK	270@0	see graph	PASS
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	270@0	see graph	PASS



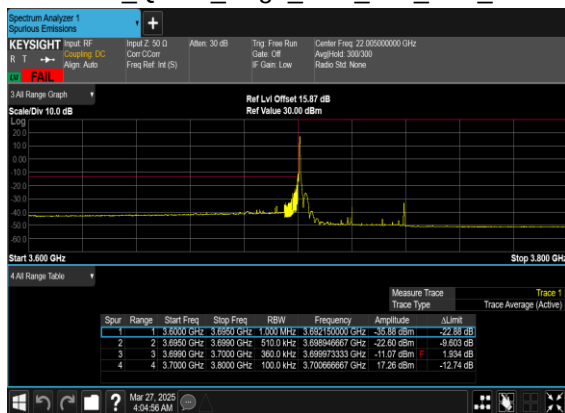
N78(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



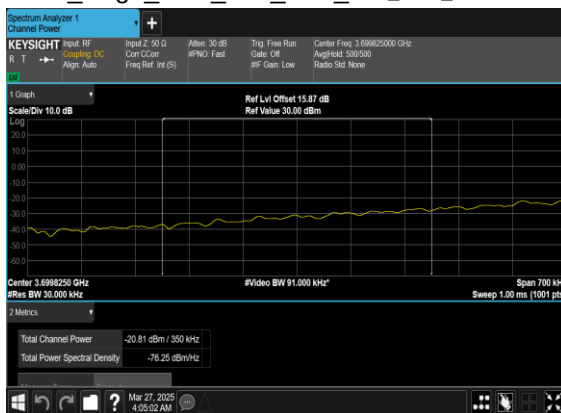
N78(40M)_DFT-s-OFDM_BPSK
Edge_1RB_Left_Low_CH_CHP_PASS



N78(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

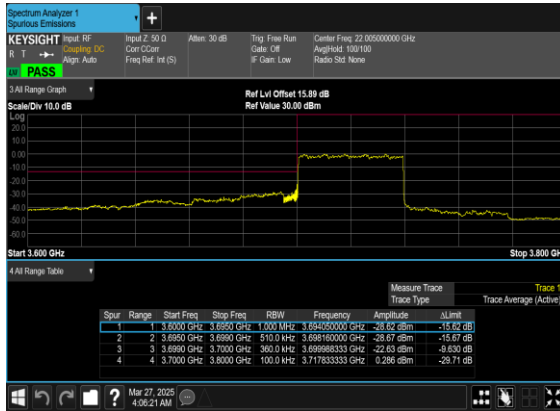


N78(40M)_DFT-s-OFDM_QPSK
Edge_1RB_Left_Low_CH_CHP_PASS





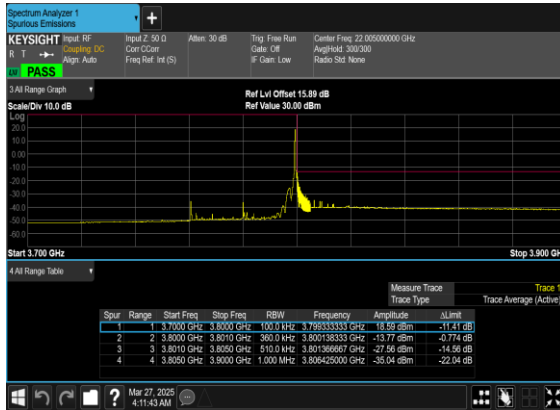
N78(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



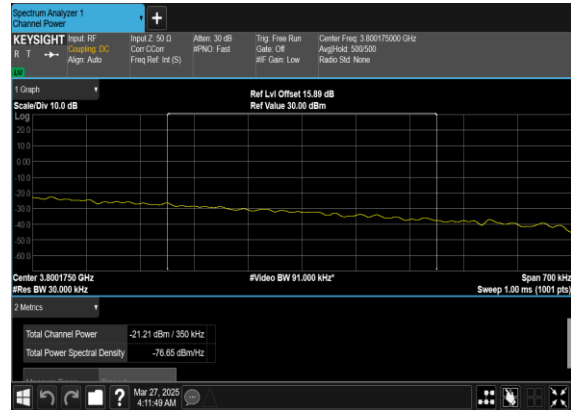
N78(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N78(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH

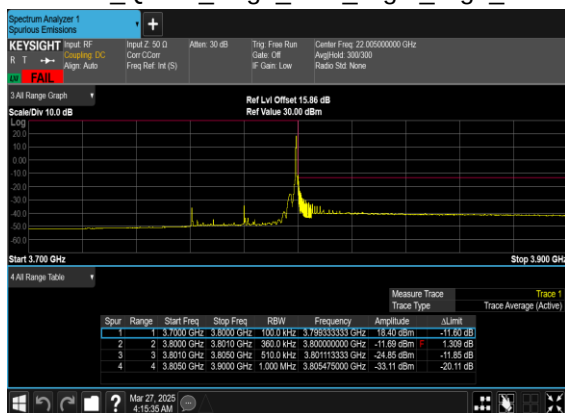


N78(40M)_DFT-s-OFDM_BPSK
_Edge_1RB_Right_High_CH_CHP_PASS

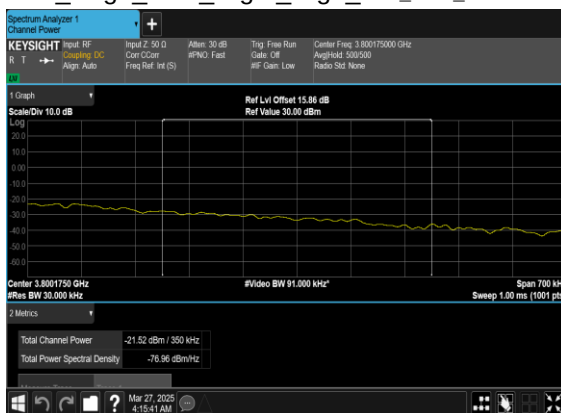




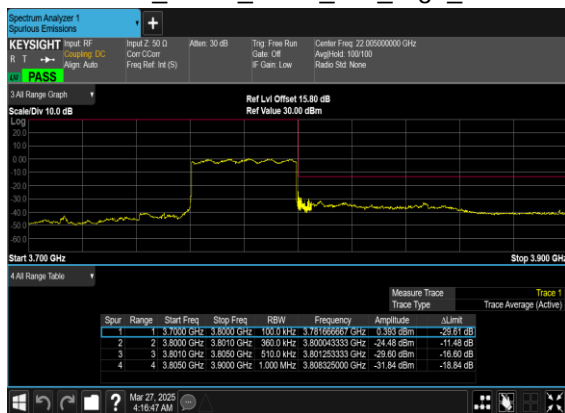
N78(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



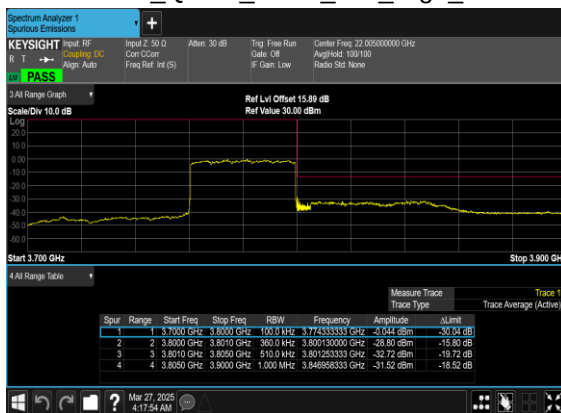
N78(40M)_DFT-s-OFDM_QPSK
Edge_1RB_Right_High_CH_chP_PASS



N78(40M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

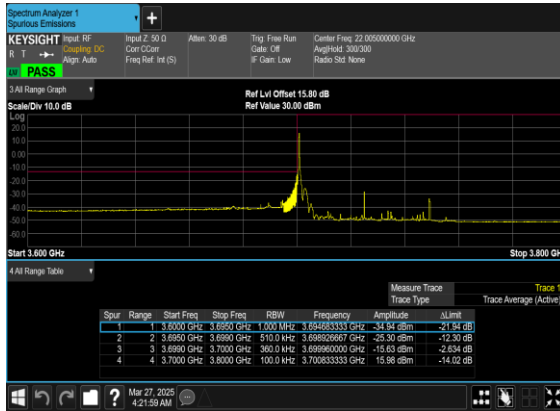


N78(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





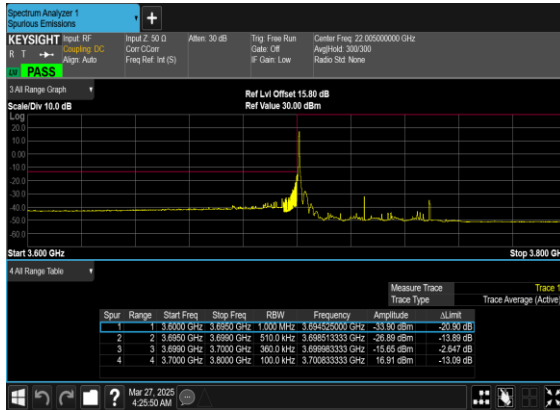
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s-OFDM_BPSK
Edge_1RB_Left_Low_CH_CHP_PASS



N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

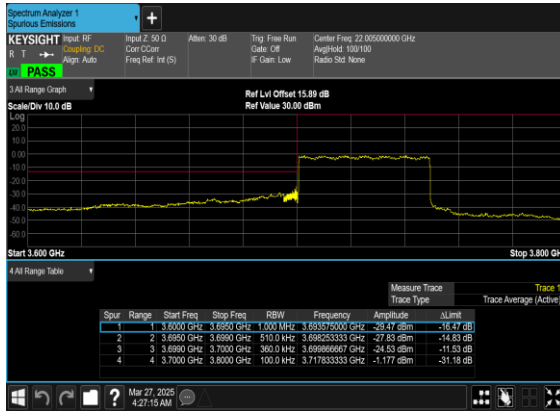


N78(50M)_DFT-s-OFDM_QPSK
Edge_1RB_Left_Low_CH_CHP_PASS

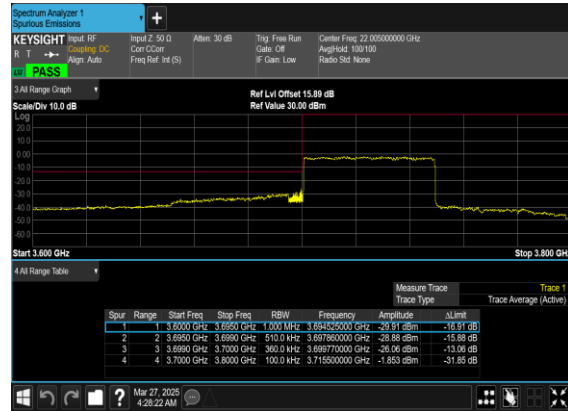




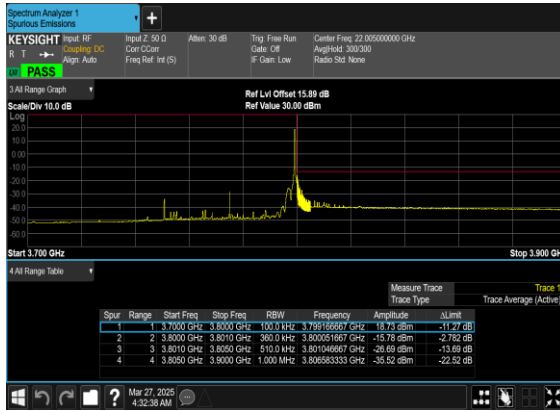
N78(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



N78(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH

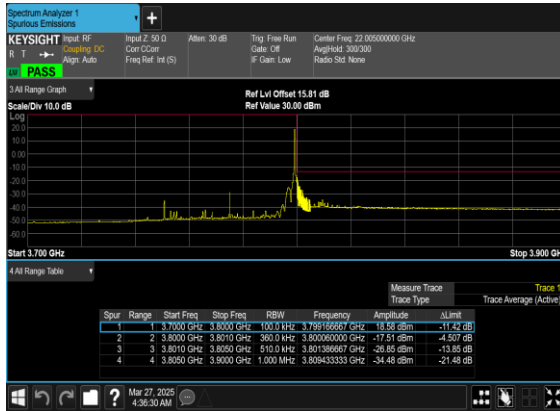


N78(50M)_DFT-s-OFDM_BPSK
_Edge_1RB_Right_High_CH_CHP_PASS

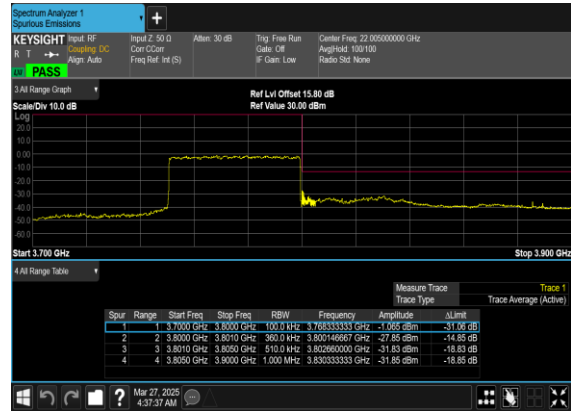




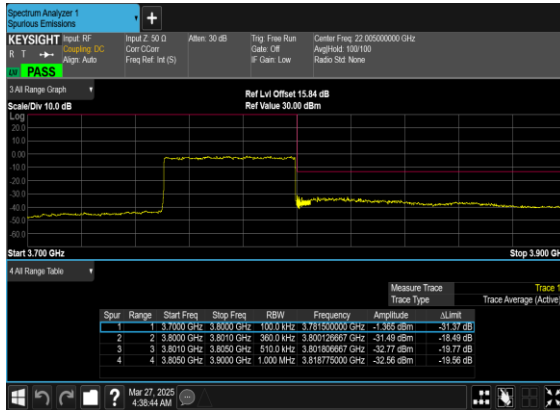
N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N78(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N78(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





FR1 N78 - SCS 30k

Transmitter Conducted Output Power and EIRP (GT - LC)=3.0dB

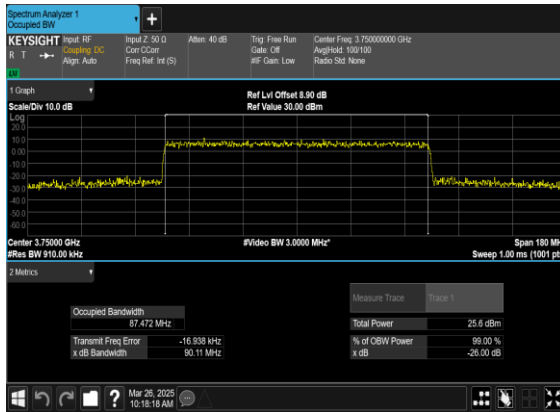
NR	Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	Conducted Power(W)	EIRP(dBm)	EIRP(W)
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	120@60		25.22	0.3327	28.22	0.6637
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1		24.96	0.3133	27.96	0.6252
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@243		25.33	0.3412	28.33	0.6808
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	120@60		25.19	0.3304	28.19	0.6592
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1		24.81	0.3027	27.81	0.6039
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@243		25.26	0.3357	28.26	0.6699
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	120@60		24.19	0.2624	27.19	0.5236
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1		23.74	0.2366	26.74	0.4721
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@243		24.05	0.2541	27.05	0.5070
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	120@60		25.38	0.3451	28.38	0.6887
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1		24.99	0.3155	27.99	0.6295
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@243		25.46	0.3516	28.46	0.7015
78	30	90	650000	3750	DFT-s-OFDM QPSK	120@60		25.26	0.3357	28.26	0.6699
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1		24.84	0.3048	27.84	0.6081
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@243		25.34	0.3420	28.34	0.6823
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	120@60		24.21	0.2636	27.21	0.5260
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1		23.7	0.2344	26.7	0.4677
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@243		24.05	0.2541	27.05	0.5070
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	120@60		25.41	0.3475	28.41	0.6934
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@1		24.88	0.3076	27.88	0.6138
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@243		25.31	0.3396	28.31	0.6776
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	120@60		25.32	0.3404	28.32	0.6792
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1		24.81	0.3027	27.81	0.6039
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@243		25.22	0.3327	28.22	0.6637
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	120@60		24.3	0.2692	27.3	0.5370
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1		23.76	0.2377	26.76	0.4742
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@243		23.99	0.2506	26.99	0.5000

**Occupied Bandwidth**

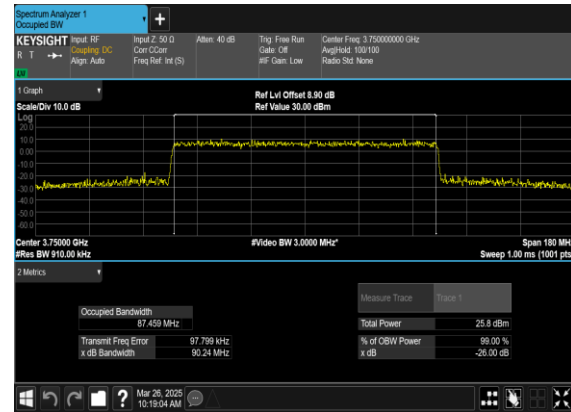
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
78	30	90	650000	3750.0	CP-OFDM QPSK	245@0	87.472	90.11
78	30	90	650000	3750.0	CP-OFDM 16 QAM	245@0	87.459	90.24
78	30	90	650000	3750.0	CP-OFDM 64 QAM	245@0	87.335	90.36
78	30	90	650000	3750.0	CP-OFDM 256 QAM	245@0	87.346	90.38



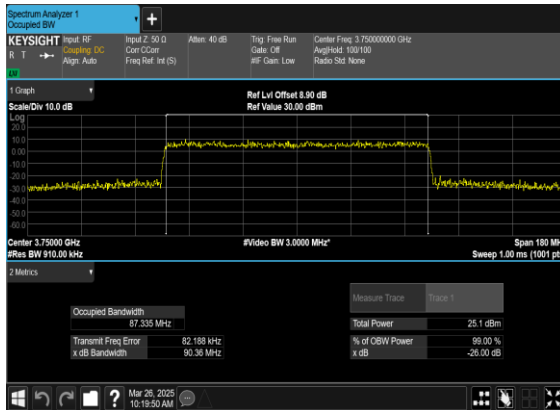
N78(90M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



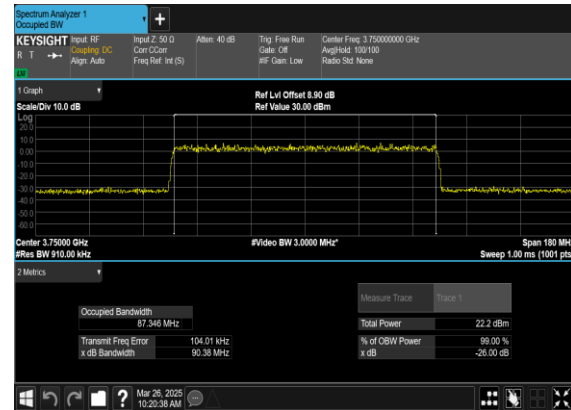
N78(90M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N78(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N78(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



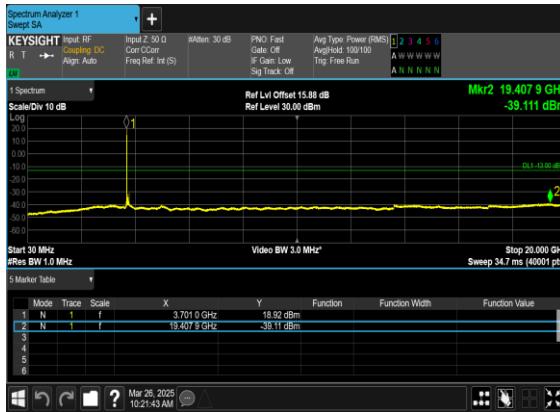


Conducted Spurious Emissions

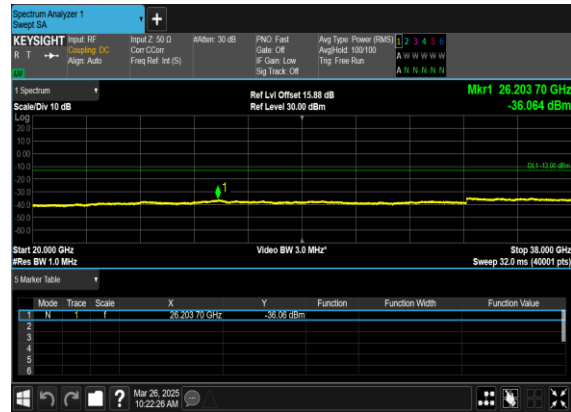
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	90	649668	3745.02	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	90	649668	3745.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	649668	3745.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	90	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	90	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	650332	3754.98	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	90	650332	3754.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	650332	3754.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@0	see graph	PASS



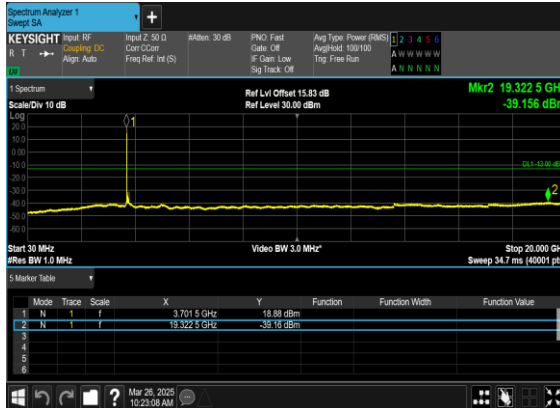
N78(90M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



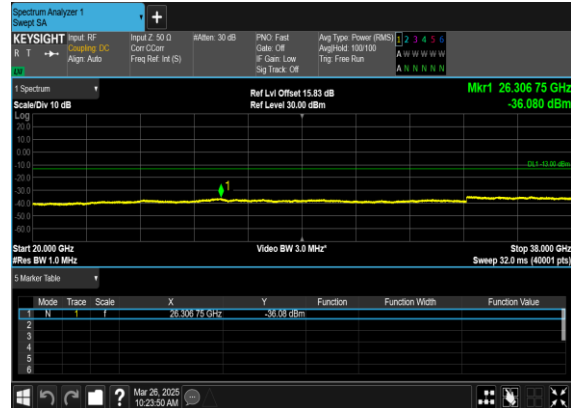
N78(90M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(90M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(90M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH





N78(90M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



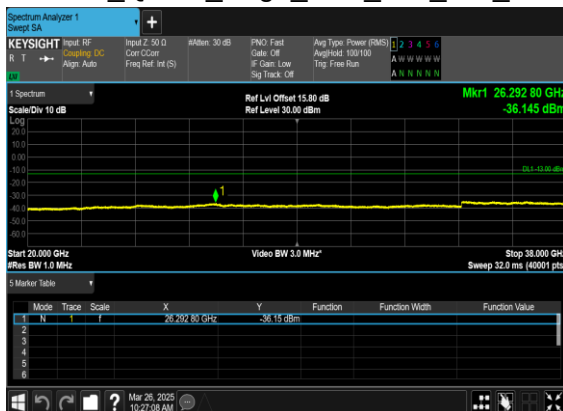
N78(90M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(90M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

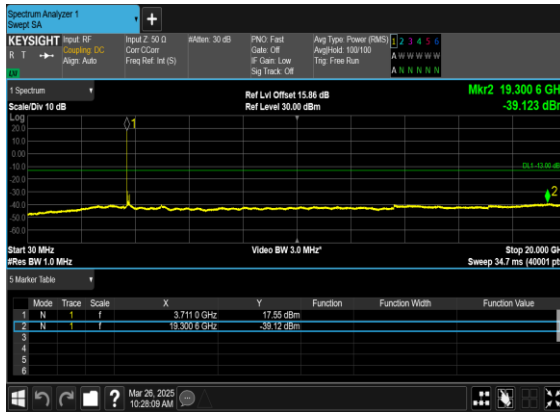


N78(90M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

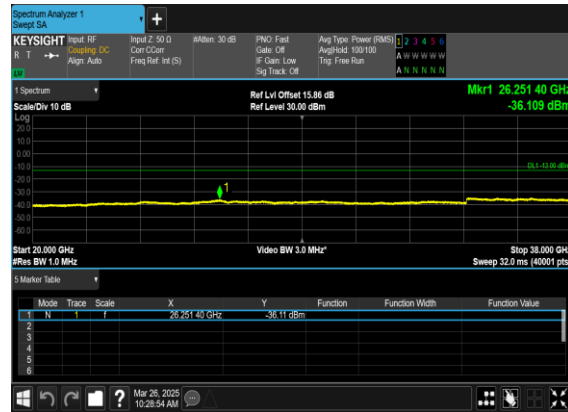




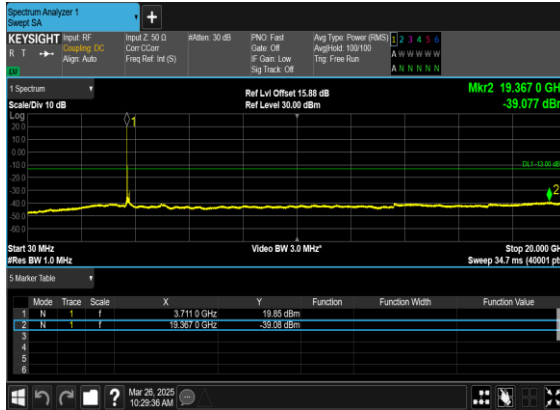
N78(90M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



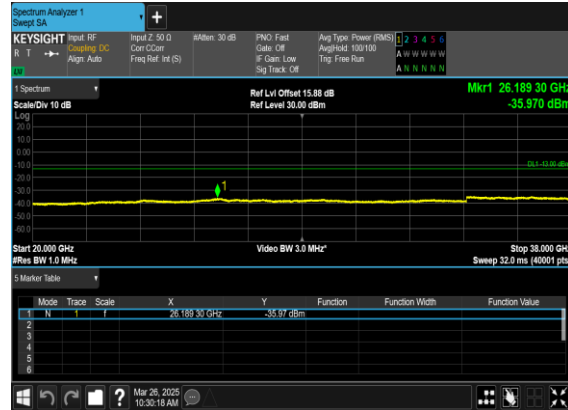
N78(90M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N78(90M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N78(90M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

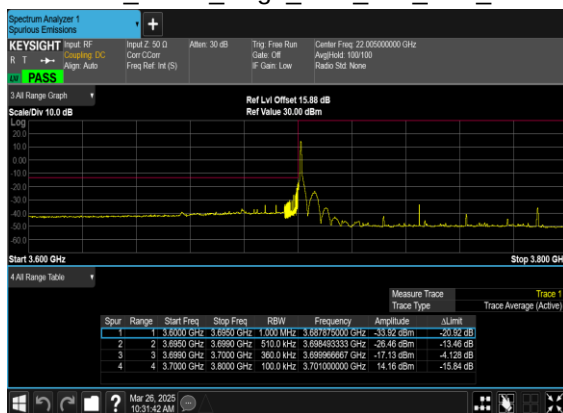


**Conducted Band Edge**

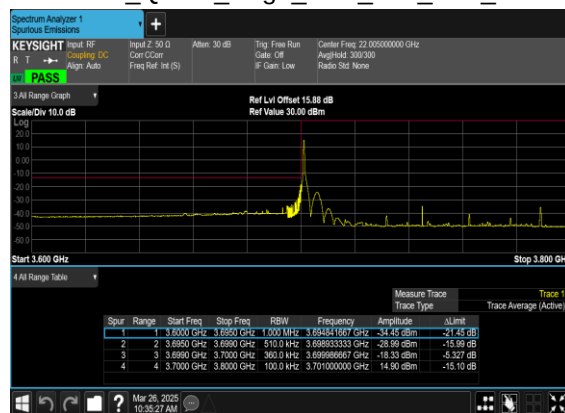
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	90	649668	3745.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	90	649668	3745.02	DFT-s-OFDM BPSK	240@0	see graph	PASS
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	240@0	see graph	PASS
78	30	90	650332	3754.98	DFT-s-OFDM BPSK	1@244	see graph	PASS
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@244	see graph	PASS
78	30	90	650332	3754.98	DFT-s-OFDM BPSK	240@0	see graph	PASS
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	240@0	see graph	PASS



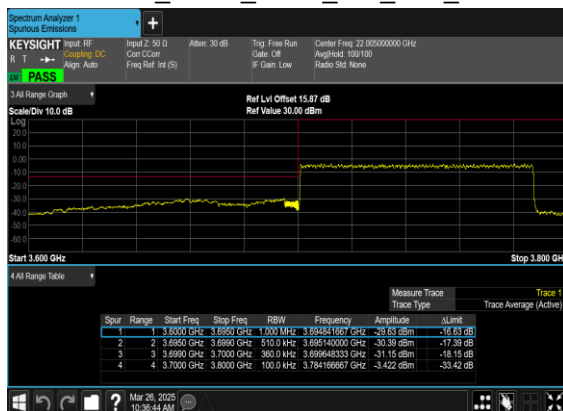
N78(90M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



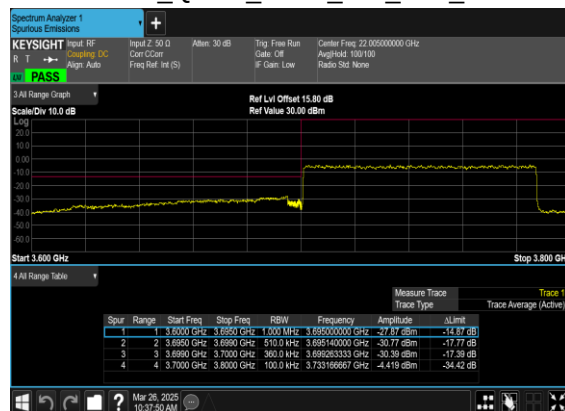
N78(90M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(90M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

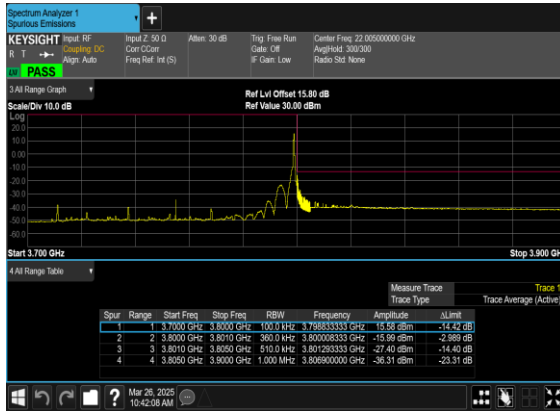


N78(90M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

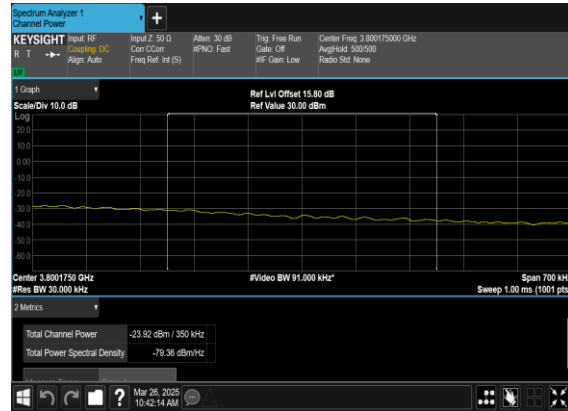




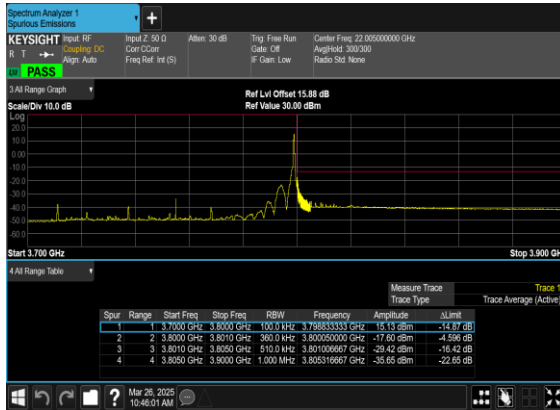
N78(90M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



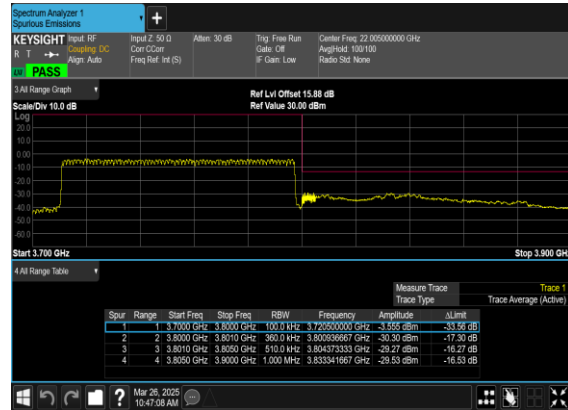
N78(90M)_DFT-s-OFDM_BPSK
Edge_1RB_Right_High_CH_chP_PASS



N78(90M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH

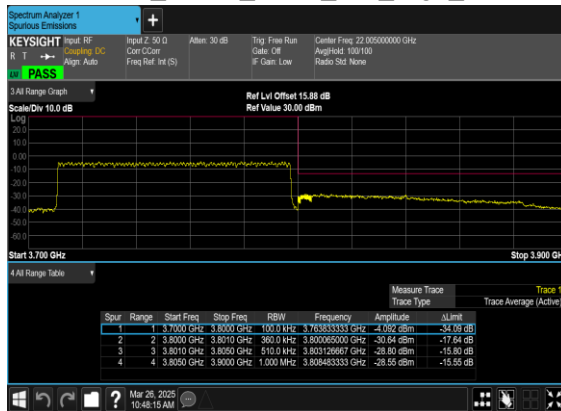


N78(90M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH





N78(90M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N78 - SCS 15k

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

Transmitter Conducted Output Power and EIRP (GT - LC)=3.0dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	Conducted Power(W)	EIRP(dBm)	EIRP(W)
78	15	40	648000	3720	DFT-s-OFDM PI/2 BPSK	108@54	22.51	0.1782	25.51	0.3556
78	15	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	22.13	0.1633	25.13	0.3258
78	15	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@214	22.03	0.1596	25.03	0.3184
78	15	40	648000	3720	DFT-s-OFDM QPSK	108@54	22.39	0.1734	25.39	0.3459
78	15	40	648000	3720	DFT-s-OFDM QPSK	1@1	21.99	0.1581	24.99	0.3155
78	15	40	648000	3720	DFT-s-OFDM QPSK	1@214	21.85	0.1531	24.85	0.3055
78	15	40	648000	3720	DFT-s-OFDM 16 QAM	108@54	21.37	0.1371	24.37	0.2735
78	15	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	21	0.1259	24	0.2512
78	15	40	648000	3720	DFT-s-OFDM 16 QAM	1@214	20.91	0.1233	23.91	0.2460
78	15	40	650000	3750	DFT-s-OFDM PI/2 BPSK	108@54	22.53	0.1791	25.53	0.3573
78	15	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	21.97	0.1574	24.97	0.3141
78	15	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@214	22.22	0.1667	25.22	0.3327
78	15	40	650000	3750	DFT-s-OFDM QPSK	108@54	22.42	0.1746	25.42	0.3483
78	15	40	650000	3750	DFT-s-OFDM QPSK	1@1	21.78	0.1507	24.78	0.3006
78	15	40	650000	3750	DFT-s-OFDM QPSK	1@214	22.06	0.1607	25.06	0.3206
78	15	40	650000	3750	DFT-s-OFDM 16 QAM	108@54	21.45	0.1396	24.45	0.2786
78	15	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	20.78	0.1197	23.78	0.2388
78	15	40	650000	3750	DFT-s-OFDM 16 QAM	1@214	21.1	0.1288	24.1	0.2570
78	15	40	652000	3780	DFT-s-OFDM PI/2 BPSK	108@54	22.76	0.1888	25.76	0.3767
78	15	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	22.03	0.1596	25.03	0.3184
78	15	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@214	22.34	0.1714	25.34	0.3420
78	15	40	652000	3780	DFT-s-OFDM QPSK	108@54	22.65	0.1841	25.65	0.3673
78	15	40	652000	3780	DFT-s-OFDM QPSK	1@1	21.91	0.1552	24.91	0.3097
78	15	40	652000	3780	DFT-s-OFDM QPSK	1@214	22.16	0.1644	25.16	0.3281
78	15	40	652000	3780	DFT-s-OFDM 16 QAM	108@54	21.61	0.1449	24.61	0.2891
78	15	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	20.91	0.1233	23.91	0.2460
78	15	40	652000	3780	DFT-s-OFDM 16 QAM	1@214	21.25	0.1334	24.25	0.2661
78	15	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	135@67	22.46	0.1762	25.46	0.3516
78	15	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	22.33	0.1710	25.33	0.3412
78	15	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@268	22.41	0.1742	25.41	0.3475
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	135@67	22.29	0.1694	25.29	0.3381
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	22.19	0.1656	25.19	0.3304
78	15	50	648334	3725.01	DFT-s-OFDM QPSK	1@268	22.25	0.1679	25.25	0.3350
78	15	50	648334	3725.01	DFT-s-OFDM 16 QAM	135@67	21.35	0.1365	24.35	0.2723
78	15	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	21.27	0.1340	24.27	0.2673
78	15	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@268	21.32	0.1355	24.32	0.2704
78	15	50	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	22.6	0.1820	25.6	0.3631



78	15	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.21	0.1663	25.21	0.3319
78	15	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@268	22.61	0.1824	25.61	0.3639
78	15	50	650000	3750	DFT-s-OFDM QPSK	135@67	22.46	0.1762	25.46	0.3516
78	15	50	650000	3750	DFT-s-OFDM QPSK	1@1	22.08	0.1614	25.08	0.3221
78	15	50	650000	3750	DFT-s-OFDM QPSK	1@268	22.42	0.1746	25.42	0.3483
78	15	50	650000	3750	DFT-s-OFDM 16 QAM	135@67	21.5	0.1413	24.5	0.2818
78	15	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.11	0.1291	24.11	0.2576
78	15	50	650000	3750	DFT-s-OFDM 16 QAM	1@268	21.49	0.1409	24.49	0.2812
78	15	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	135@67	22.81	0.1910	25.81	0.3811
78	15	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	22.37	0.1726	25.37	0.3443
78	15	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@268	22.63	0.1832	25.63	0.3656
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	135@67	22.67	0.1849	25.67	0.3690
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	22.21	0.1663	25.21	0.3319
78	15	50	651666	3774.99	DFT-s-OFDM QPSK	1@268	22.47	0.1766	25.47	0.3524
78	15	50	651666	3774.99	DFT-s-OFDM 16 QAM	135@67	21.68	0.1472	24.68	0.2938
78	15	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	21.31	0.1352	24.31	0.2698
78	15	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@268	21.54	0.1426	24.54	0.2844



FR1 N78 - SCS 30k

LTE Band: 38, LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power and EIRP (GT - LC)=3.0dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	Conducted Power(W)	EIRP(dBm)	EIRP(W)
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	120@60	22.96	0.1977	25.96	0.3945
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	22.42	0.1746	25.42	0.3483
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@243	22.73	0.1875	25.73	0.3741
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	120@60	22.81	0.1910	25.81	0.3811
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	22.3	0.1698	25.3	0.3388
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@243	22.67	0.1849	25.67	0.3690
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	120@60	21.78	0.1507	24.78	0.3006
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	21.29	0.1346	24.29	0.2685
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@243	21.73	0.1489	24.73	0.2972
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	120@60	22.81	0.1910	25.81	0.3811
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	22.38	0.1730	25.38	0.3451
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@243	22.76	0.1888	25.76	0.3767
78	30	90	650000	3750	DFT-s-OFDM QPSK	120@60	22.78	0.1897	25.78	0.3784
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	22.29	0.1694	25.29	0.3381
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@243	22.7	0.1862	25.7	0.3715
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	120@60	21.77	0.1503	24.77	0.2999
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	21.26	0.1337	24.26	0.2667
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@243	21.72	0.1486	24.72	0.2965
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	120@60	22.85	0.1928	25.85	0.3846
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@1	22.43	0.1750	25.43	0.3491
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@243	22.79	0.1901	25.79	0.3793
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	120@60	22.78	0.1897	25.78	0.3784
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	22.22	0.1667	25.22	0.3327
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@243	22.7	0.1862	25.7	0.3715
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	120@60	21.76	0.1500	24.76	0.2992
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	21.21	0.1321	24.21	0.2636
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@243	21.76	0.1500	24.76	0.2992



Software Version: 23.06.1602

FR1 N78 MIMO ANT(M+M2) - SCS 15k**Transmitter Conducted Output Power and EIRP (GT - LC)=3.0dB**

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	ANTM2 Power (dBm)	ANTM Power (dBm)	Conducted Power(dBm)	Conducted Power(W)	EIRP (dBm)	EIRP (W)
78	15	40	648000	3720	CP-OFDM QPSK	108@54	20.77	21.33	24.07	0.2553	27.07	0.5093
78	15	40	648000	3720	CP-OFDM QPSK	1@1	20.49	20.87	23.69	0.2339	26.69	0.4667
78	15	40	648000	3720	CP-OFDM QPSK	1@214	20.42	20.72	23.58	0.2280	26.58	0.4550
78	15	40	648000	3720	CP-OFDM 16 QAM	108@54	20.26	20.81	23.55	0.2265	26.55	0.4519
78	15	40	648000	3720	CP-OFDM 16 QAM	1@1	20.09	20.37	23.24	0.2109	26.24	0.4207
78	15	40	648000	3720	CP-OFDM 16 QAM	1@214	19.9	20.3	23.11	0.2046	26.11	0.4083
78	15	40	650000	3750	CP-OFDM QPSK	108@54	20.79	21.06	23.94	0.2477	26.94	0.4943
78	15	40	650000	3750	CP-OFDM QPSK	1@1	20.32	20.7	23.52	0.2249	26.52	0.4487
78	15	40	650000	3750	CP-OFDM QPSK	1@214	20.58	20.71	23.66	0.2323	26.66	0.4634
78	15	40	650000	3750	CP-OFDM 16 QAM	108@54	20.32	20.56	23.45	0.2213	26.45	0.4416
78	15	40	650000	3750	CP-OFDM 16 QAM	1@1	19.88	20.16	23.03	0.2009	26.03	0.4009
78	15	40	650000	3750	CP-OFDM 16 QAM	1@214	20.15	20.28	23.23	0.2104	26.23	0.4198
78	15	40	652000	3780	CP-OFDM QPSK	108@54	20.96	21.14	24.06	0.2547	27.06	0.5082
78	15	40	652000	3780	CP-OFDM QPSK	1@1	20.44	20.47	23.47	0.2223	26.47	0.4436
78	15	40	652000	3780	CP-OFDM QPSK	1@214	20.68	20.77	23.74	0.2366	26.74	0.4721
78	15	40	652000	3780	CP-OFDM 16 QAM	108@54	20.46	20.67	23.58	0.2280	26.58	0.4550
78	15	40	652000	3780	CP-OFDM 16 QAM	1@1	20.02	20.07	23.06	0.2023	26.06	0.4036
78	15	40	652000	3780	CP-OFDM 16 QAM	1@214	20.26	20.41	23.35	0.2163	26.35	0.4315
78	15	50	648334	3725.01	CP-OFDM QPSK	135@67	20.63	21.27	23.97	0.2495	26.97	0.4977
78	15	50	648334	3725.01	CP-OFDM QPSK	1@1	20.73	21.06	23.91	0.2460	26.91	0.4909
78	15	50	648334	3725.01	CP-OFDM QPSK	1@268	20.78	20.88	23.84	0.2421	26.84	0.4831
78	15	50	648334	3725.01	CP-OFDM 16 QAM	135@67	20.17	20.69	23.45	0.2213	26.45	0.4416
78	15	50	648334	3725.01	CP-OFDM 16 QAM	1@1	20.36	20.57	23.48	0.2228	26.48	0.4446
78	15	50	648334	3725.01	CP-OFDM 16 QAM	1@268	20.37	20.44	23.42	0.2198	26.42	0.4385
78	15	50	650000	3750	CP-OFDM QPSK	135@67	20.78	21.07	23.94	0.2477	26.94	0.4943
78	15	50	650000	3750	CP-OFDM QPSK	1@1	20.61	21.01	23.82	0.2410	26.82	0.4808
78	15	50	650000	3750	CP-OFDM QPSK	1@268	20.99	20.99	24	0.2512	27.00	0.5012
78	15	50	650000	3750	CP-OFDM 16 QAM	135@67	20.29	20.62	23.47	0.2223	26.47	0.4436
78	15	50	650000	3750	CP-OFDM 16 QAM	1@1	20.22	20.52	23.38	0.2178	26.38	0.4345
78	15	50	650000	3750	CP-OFDM 16 QAM	1@268	20.55	20.57	23.57	0.2275	26.57	0.4539
78	15	50	651666	3774.99	CP-OFDM QPSK	135@67	21	21.18	24.1	0.2570	27.10	0.5129
78	15	50	651666	3774.99	CP-OFDM QPSK	1@1	20.77	20.86	23.83	0.2415	26.83	0.4819
78	15	50	651666	3774.99	CP-OFDM QPSK	1@268	20.96	20.94	23.96	0.2489	26.96	0.4966
78	15	50	651666	3774.99	CP-OFDM 16 QAM	135@67	20.45	20.8	23.64	0.2312	26.64	0.4613
78	15	50	651666	3774.99	CP-OFDM 16 QAM	1@1	20.35	20.44	23.41	0.2193	26.41	0.4375
78	15	50	651666	3774.99	CP-OFDM 16 QAM	1@268	20.59	20.67	23.64	0.2312	26.64	0.4613



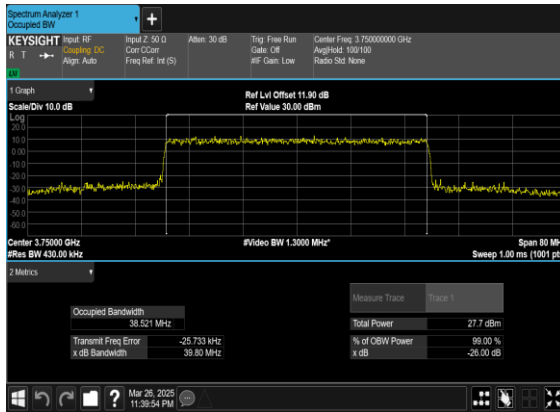
FR1 N78 MIMO ANT M - SCS 15k

Occupied Bandwidth

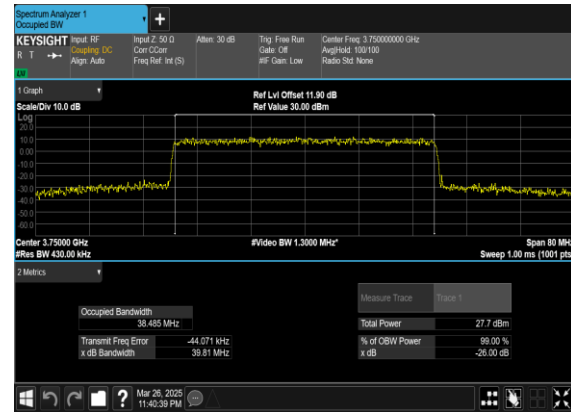
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
78	15	40	650000	3750.0	CP-OFDM QPSK	216@0	38.521	39.8
78	15	40	650000	3750.0	CP-OFDM 16 QAM	216@0	38.485	39.81
78	15	40	650000	3750.0	CP-OFDM 64 QAM	216@0	38.487	39.8
78	15	40	650000	3750.0	CP-OFDM 256 QAM	216@0	38.491	39.82
78	15	50	650000	3750.0	CP-OFDM QPSK	270@0	48.096	49.71
78	15	50	650000	3750.0	CP-OFDM 16 QAM	270@0	48.159	49.72
78	15	50	650000	3750.0	CP-OFDM 64 QAM	270@0	48.161	49.69
78	15	50	650000	3750.0	CP-OFDM 256 QAM	270@0	48.167	49.69



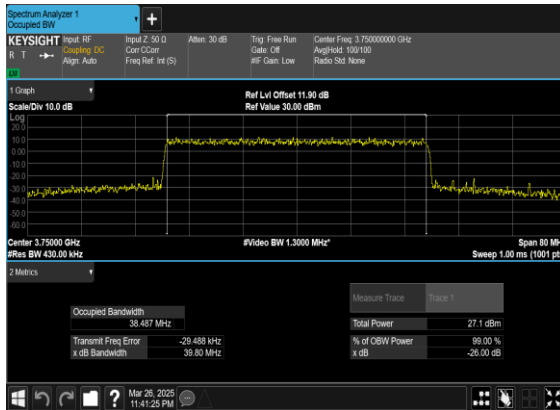
N78(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



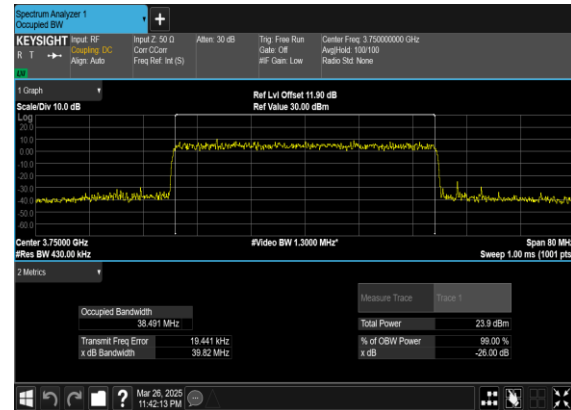
N78(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N78(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

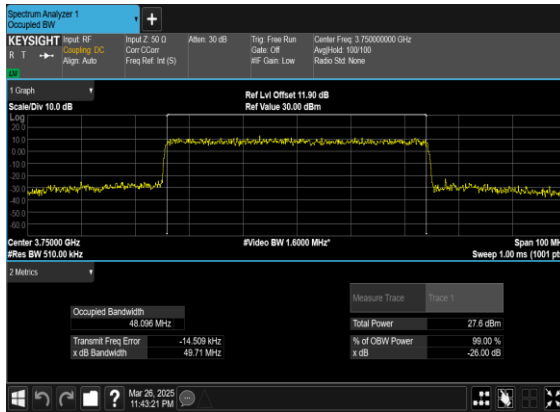


N78(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

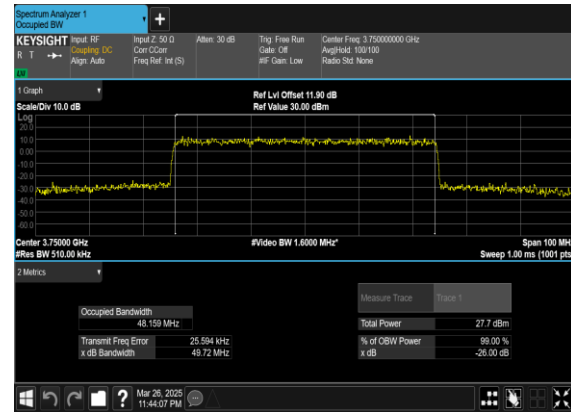




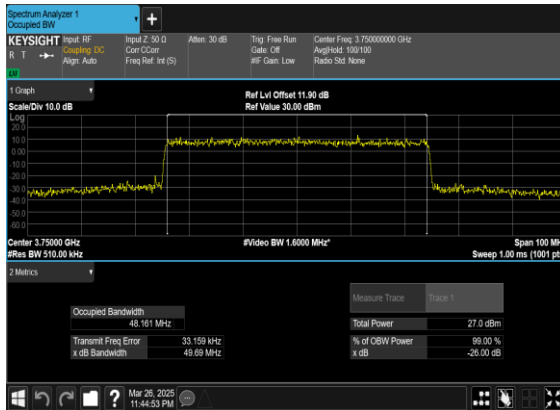
N78(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



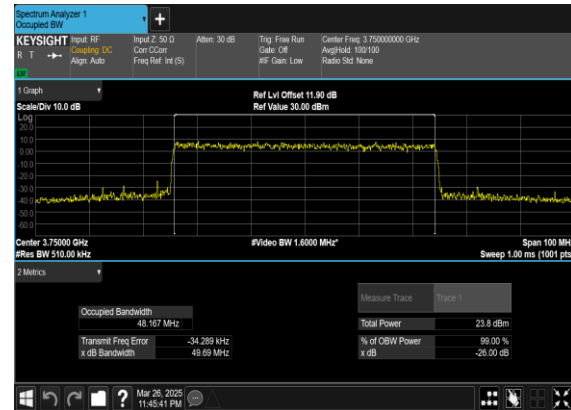
N78(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

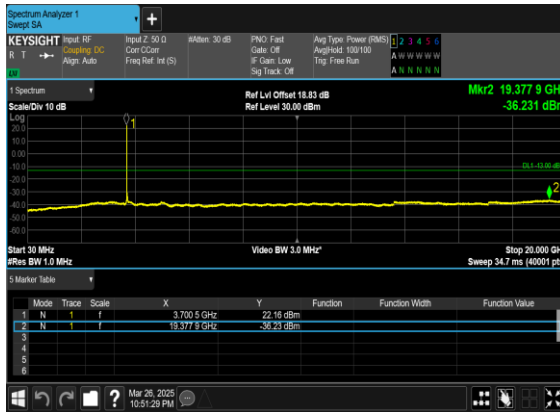


Conducted Spurious Emissions

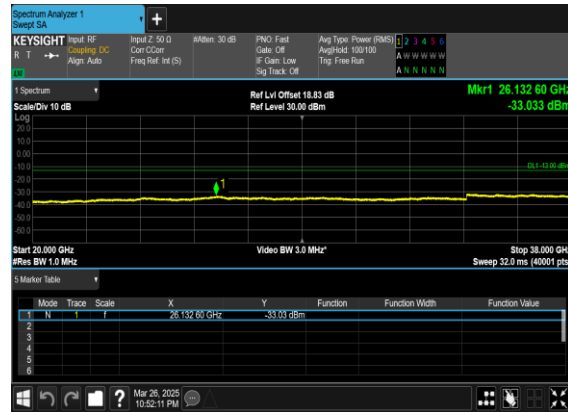
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	15	40	648000	3720.0	CP-OFDM QPSK	1@0	see graph	---
78	15	40	648000	3720.0	CP-OFDM QPSK	1@0	see graph	PASS
78	15	40	648000	3720.0	CP-OFDM QPSK	1@0	see graph	PASS
78	15	40	650000	3750.0	CP-OFDM QPSK	1@0	see graph	---
78	15	40	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
78	15	40	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
78	15	40	652000	3780.0	CP-OFDM QPSK	1@0	see graph	---
78	15	40	652000	3780.0	CP-OFDM QPSK	1@0	see graph	PASS
78	15	40	652000	3780.0	CP-OFDM QPSK	1@0	see graph	PASS
78	15	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	---
78	15	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	PASS
78	15	50	648334	3725.01	CP-OFDM QPSK	1@0	see graph	PASS
78	15	50	650000	3750.0	CP-OFDM QPSK	1@0	see graph	---
78	15	50	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
78	15	50	650000	3750.0	CP-OFDM QPSK	1@0	see graph	PASS
78	15	50	651666	3774.99	CP-OFDM QPSK	1@0	see graph	---
78	15	50	651666	3774.99	CP-OFDM QPSK	1@0	see graph	PASS
78	15	50	651666	3774.99	CP-OFDM QPSK	1@0	see graph	PASS



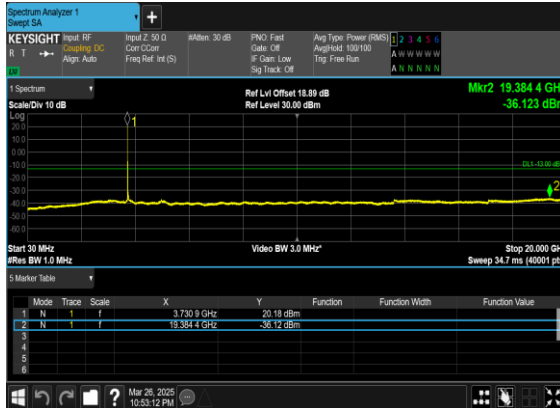
N78(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



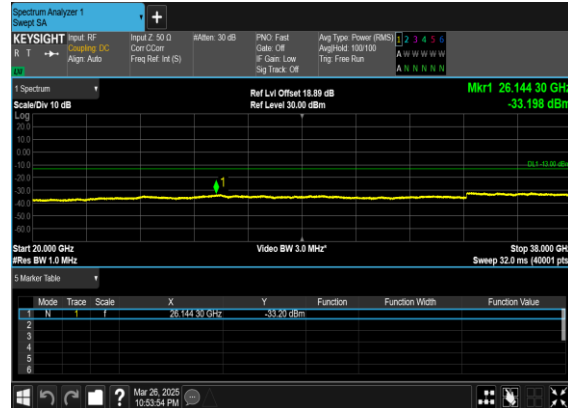
N78(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

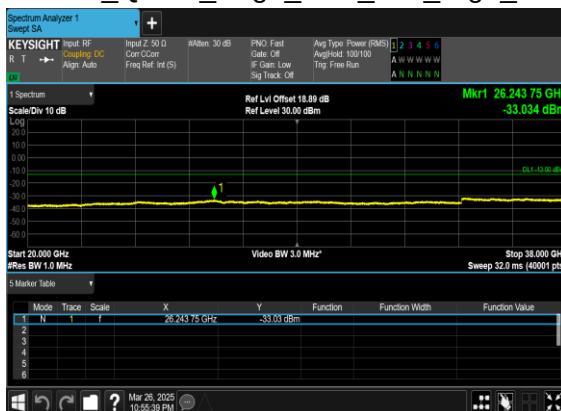




N78(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N78(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N78(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

