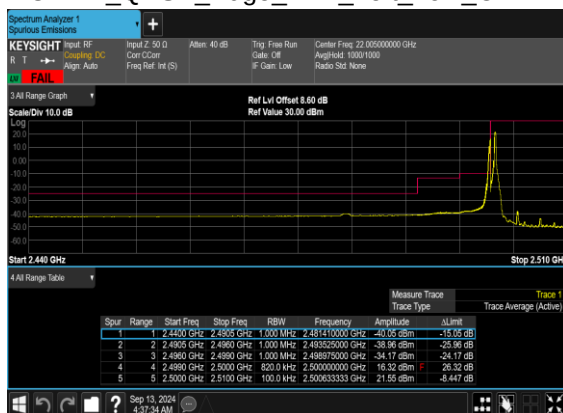
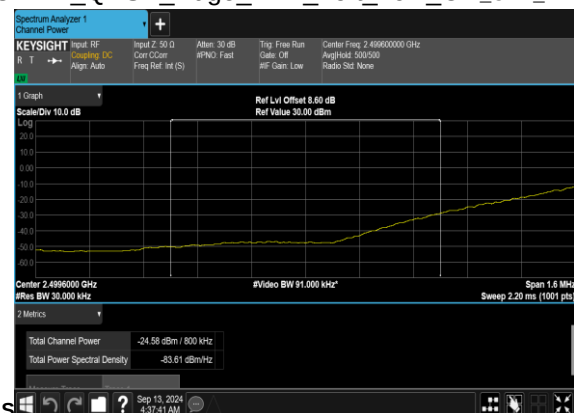
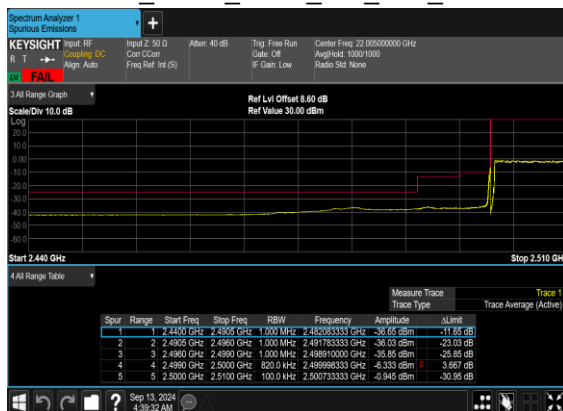
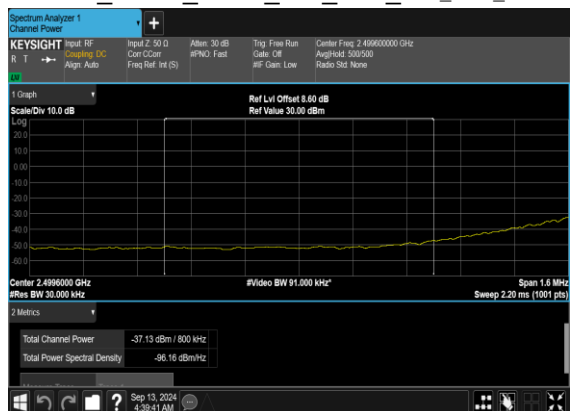
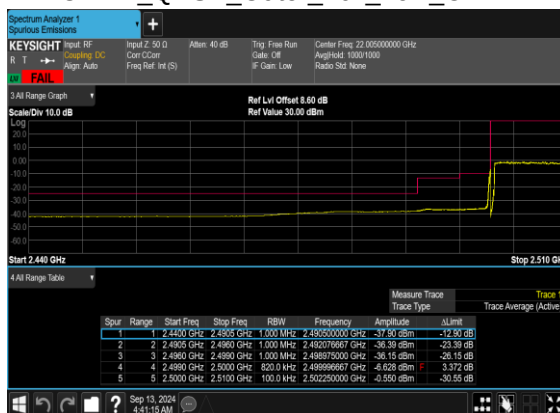
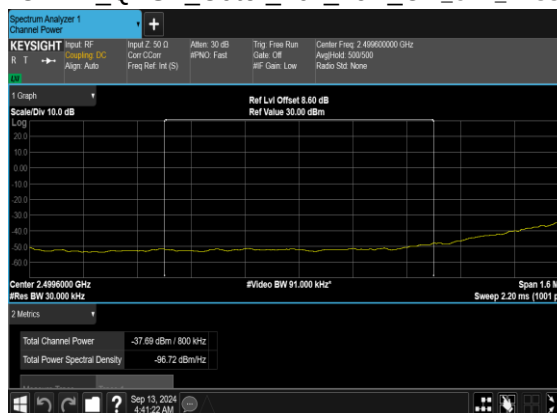
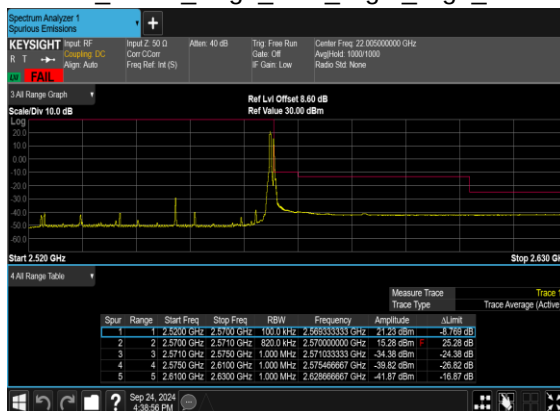
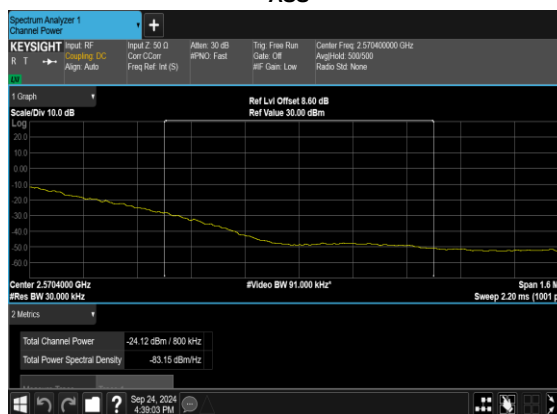
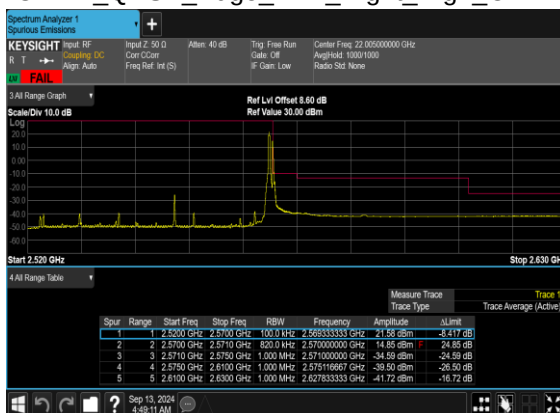
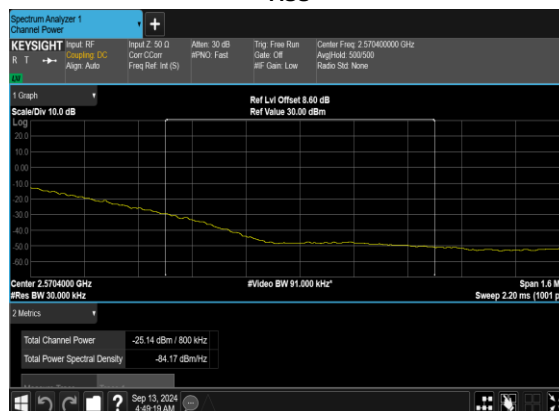
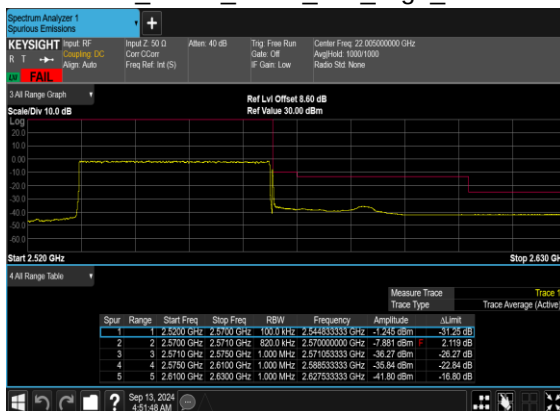
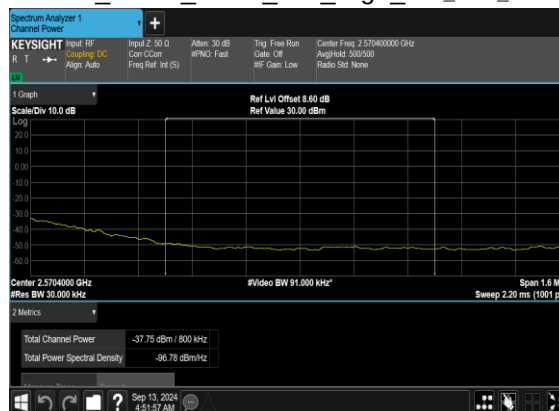


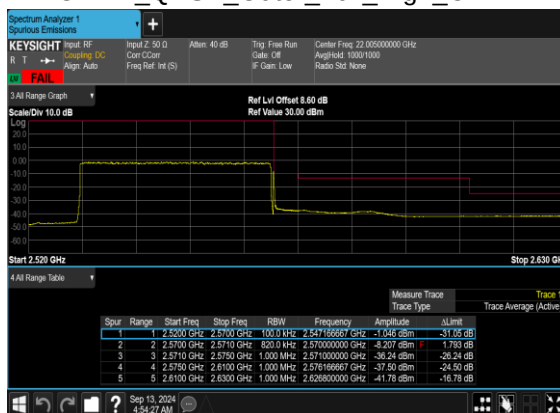
N7(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN7(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASN7(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN7(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH_CHP_PASS

N7(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CHN7(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH_CHP_PASSN7(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN7(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_P
ASS

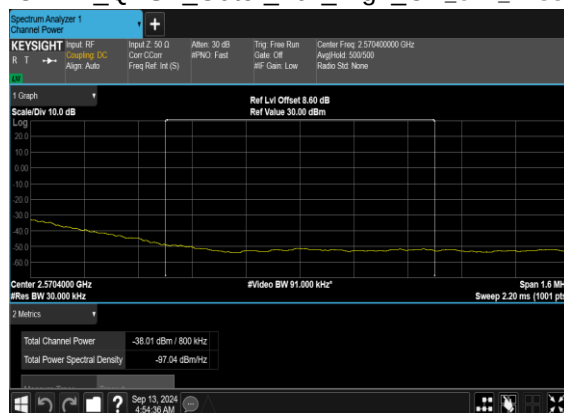
N7(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN7(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_P
ASSN7(40M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN7(40M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH_CHP_PASS



N7(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N7(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH_CHP_PASS





Software Version: 23.06.1602

FR1 N12

Transmitter Conducted Output Power And ERP, (G_T - L_C)=-4.7dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	ERP (dBm)	ERP (W)
12	15	5	140300	701.5	DFT-s-OFDM QPSK	1@1	23.67	16.82	0.0481
12	15	5	140300	701.5	DFT-s-OFDM 16 QAM	1@1	23.21	16.36	0.0433
12	15	5	141500	707.5	DFT-s-OFDM QPSK	1@1	23.73	16.88	0.0488
12	15	5	141500	707.5	DFT-s-OFDM 16 QAM	1@1	23.38	16.53	0.0450
12	15	5	142700	713.5	DFT-s-OFDM QPSK	1@1	23.69	16.84	0.0483
12	15	5	142700	713.5	DFT-s-OFDM 16 QAM	1@1	23.21	16.36	0.0433
12	15	10	140800	704	DFT-s-OFDM QPSK	1@1	23.6	16.75	0.0473
12	15	10	140800	704	DFT-s-OFDM 16 QAM	1@1	23.26	16.41	0.0438
12	15	10	141500	707.5	DFT-s-OFDM QPSK	1@1	23.64	16.79	0.0478
12	15	10	141500	707.5	DFT-s-OFDM 16 QAM	1@1	23.22	16.37	0.0434
12	15	10	142200	711	DFT-s-OFDM QPSK	1@1	23.76	16.91	0.0491
12	15	10	142200	711	DFT-s-OFDM 16 QAM	1@1	23.32	16.47	0.0444
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	36@18	23.64	16.79	0.0478
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	1@1	23.56	16.71	0.0469
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	1@77	23.51	16.66	0.0463
12	15	15	141300	706.5	DFT-s-OFDM QPSK	36@18	23.64	16.79	0.0478
12	15	15	141300	706.5	DFT-s-OFDM QPSK	1@1	23.78	16.93	0.0493
12	15	15	141300	706.5	DFT-s-OFDM QPSK	1@77	23.73	16.88	0.0488
12	15	15	141300	706.5	DFT-s-OFDM 16 QAM	36@18	23.13	16.28	0.0425
12	15	15	141300	706.5	DFT-s-OFDM 16 QAM	1@1	23.29	16.44	0.0441
12	15	15	141300	706.5	DFT-s-OFDM 16 QAM	1@77	23.21	16.36	0.0433
12	15	15	141300	706.5	DFT-s-OFDM 64 QAM	36@18	22.67	15.82	0.0382
12	15	15	141300	706.5	DFT-s-OFDM 64 QAM	1@1	22.45	15.6	0.0363
12	15	15	141300	706.5	DFT-s-OFDM 64 QAM	1@77	22.38	15.53	0.0357
12	15	15	141300	706.5	DFT-s-OFDM 256 QAM	36@18	21.63	14.78	0.0301
12	15	15	141300	706.5	DFT-s-OFDM 256 QAM	1@1	21.55	14.7	0.0295
12	15	15	141300	706.5	DFT-s-OFDM 256 QAM	1@77	21.56	14.71	0.0296
12	15	15	141300	706.5	CP-OFDM QPSK	39@19	22.68	15.83	0.0383
12	15	15	141300	706.5	CP-OFDM QPSK	1@1	22.65	15.8	0.0380
12	15	15	141300	706.5	CP-OFDM QPSK	1@77	22.71	15.86	0.0385
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	36@18	23.65	16.8	0.0479
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@1	23.6	16.75	0.0473
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@77	23.49	16.64	0.0461
12	15	15	141500	707.5	DFT-s-OFDM QPSK	36@18	23.68	16.83	0.0482



12	15	15	141500	707.5	DFT-s-OFDM QPSK	1@1	23.73	16.88	0.0488
12	15	15	141500	707.5	DFT-s-OFDM QPSK	1@77	23.71	16.86	0.0485
12	15	15	141500	707.5	DFT-s-OFDM 16 QAM	36@18	23.13	16.28	0.0425
12	15	15	141500	707.5	DFT-s-OFDM 16 QAM	1@1	23.28	16.43	0.0440
12	15	15	141500	707.5	DFT-s-OFDM 16 QAM	1@77	23.21	16.36	0.0433
12	15	15	141500	707.5	DFT-s-OFDM 64 QAM	36@18	22.68	15.83	0.0383
12	15	15	141500	707.5	DFT-s-OFDM 64 QAM	1@1	22.41	15.56	0.0360
12	15	15	141500	707.5	DFT-s-OFDM 64 QAM	1@77	22.33	15.48	0.0353
12	15	15	141500	707.5	DFT-s-OFDM 256 QAM	36@18	21.65	14.8	0.0302
12	15	15	141500	707.5	DFT-s-OFDM 256 QAM	1@1	21.54	14.69	0.0294
12	15	15	141500	707.5	DFT-s-OFDM 256 QAM	1@77	21.53	14.68	0.0294
12	15	15	141500	707.5	CP-OFDM QPSK	39@19	22.68	15.83	0.0383
12	15	15	141500	707.5	CP-OFDM QPSK	1@1	22.63	15.78	0.0378
12	15	15	141500	707.5	CP-OFDM QPSK	1@77	22.69	15.84	0.0384
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	36@18	23.62	16.77	0.0475
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	1@1	23.58	16.73	0.0471
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	1@77	23.5	16.65	0.0462
12	15	15	141700	708.5	DFT-s-OFDM QPSK	36@18	23.68	16.83	0.0482
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@1	23.7	16.85	0.0484
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@77	23.76	16.91	0.0491
12	15	15	141700	708.5	DFT-s-OFDM 16 QAM	36@18	23.13	16.28	0.0425
12	15	15	141700	708.5	DFT-s-OFDM 16 QAM	1@1	23.31	16.46	0.0443
12	15	15	141700	708.5	DFT-s-OFDM 16 QAM	1@77	23.21	16.36	0.0433
12	15	15	141700	708.5	DFT-s-OFDM 64 QAM	36@18	22.64	15.79	0.0379
12	15	15	141700	708.5	DFT-s-OFDM 64 QAM	1@1	22.55	15.7	0.0372
12	15	15	141700	708.5	DFT-s-OFDM 64 QAM	1@77	22.4	15.55	0.0359
12	15	15	141700	708.5	DFT-s-OFDM 256 QAM	36@18	21.64	14.79	0.0301
12	15	15	141700	708.5	DFT-s-OFDM 256 QAM	1@1	21.48	14.63	0.0290
12	15	15	141700	708.5	DFT-s-OFDM 256 QAM	1@77	21.48	14.63	0.0290
12	15	15	141700	708.5	CP-OFDM QPSK	39@19	22.65	15.8	0.0380
12	15	15	141700	708.5	CP-OFDM QPSK	1@1	22.55	15.7	0.0372
12	15	15	141700	708.5	CP-OFDM QPSK	1@77	22.56	15.71	0.0372

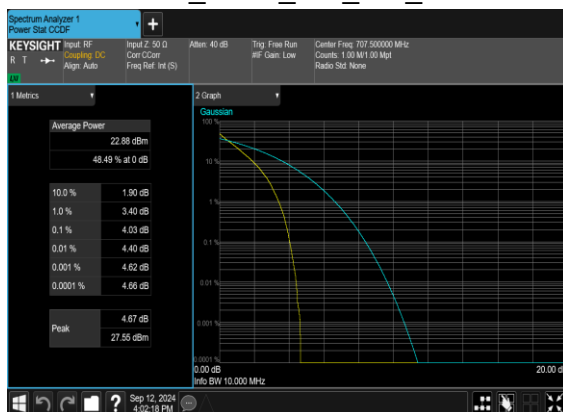
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0023	PASS	NV
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0027	PASS	LV
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0027	PASS	HV
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0047	PASS	-30°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0067	PASS	-20°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0041	PASS	-10°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0052	PASS	0°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0025	PASS	10°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0023	PASS	20°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0048	PASS	30°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0030	PASS	40°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0035	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
12	15	10	141500	707.5	DFT-s-OFDM PI/2 BPSK	50@0	4.03	13	PASS
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	5.14	13	PASS

N12(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH

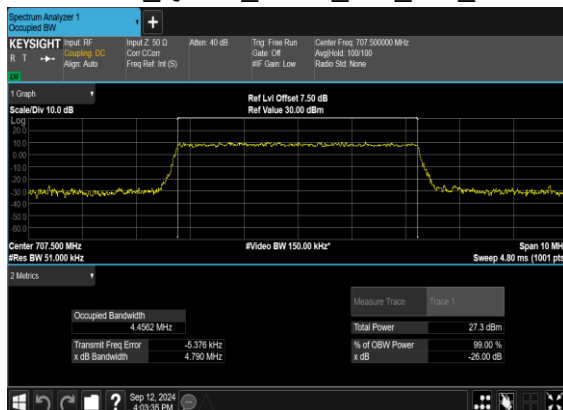
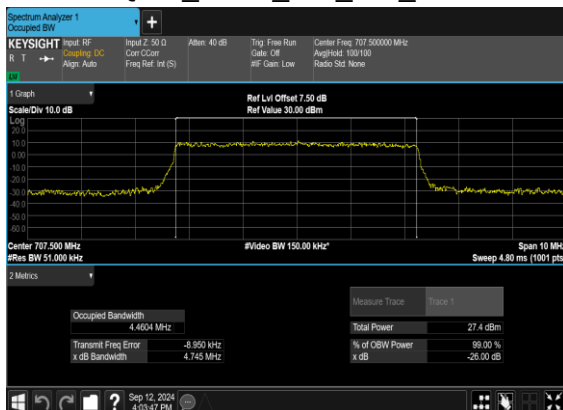
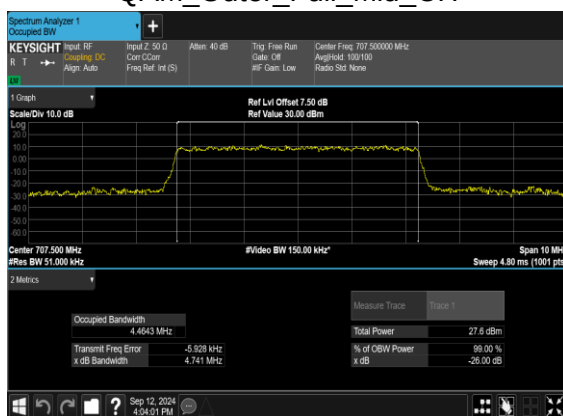
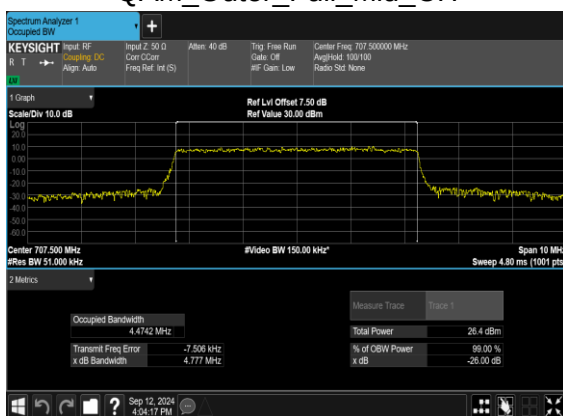


N12(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



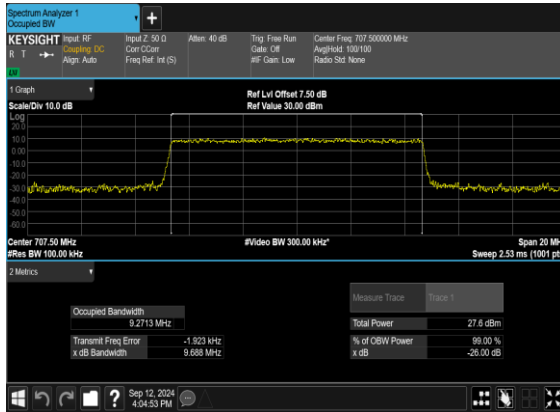
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
12	15	5	141500	707.5	CP-OFDM QPSK	25@0	4.4562	4.79
12	15	5	141500	707.5	CP-OFDM 16 QAM	25@0	4.4604	4.745
12	15	5	141500	707.5	CP-OFDM 64 QAM	25@0	4.4643	4.741
12	15	5	141500	707.5	CP-OFDM 256 QAM	25@0	4.4742	4.777
12	15	10	141500	707.5	CP-OFDM QPSK	52@0	9.2713	9.688
12	15	10	141500	707.5	CP-OFDM 16 QAM	52@0	9.2541	9.73
12	15	10	141500	707.5	CP-OFDM 64 QAM	52@0	9.2705	9.641
12	15	10	141500	707.5	CP-OFDM 256 QAM	52@0	9.2534	9.644
12	15	15	141500	707.5	CP-OFDM QPSK	79@0	14.059	14.66
12	15	15	141500	707.5	CP-OFDM 16 QAM	79@0	14.065	14.69
12	15	15	141500	707.5	CP-OFDM 64 QAM	79@0	14.077	14.7
12	15	15	141500	707.5	CP-OFDM 256 QAM	79@0	14.086	14.67

N12(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CHN12(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CHN12(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CHN12(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



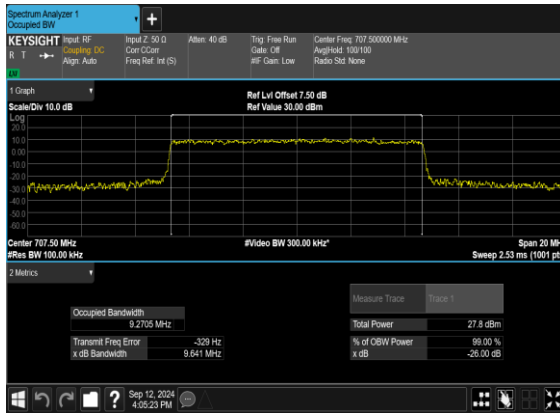
N12(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



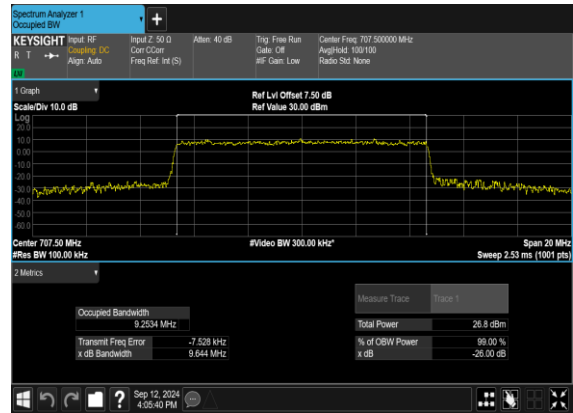
N12(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



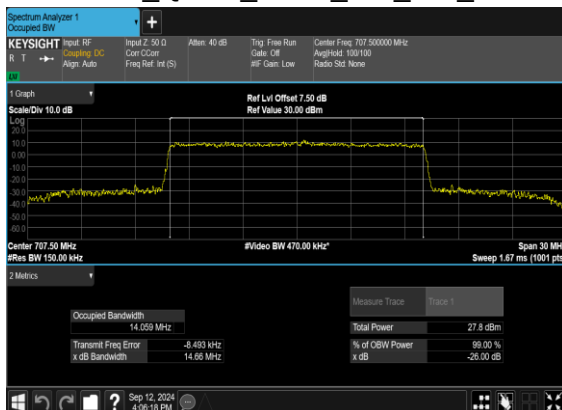
N12(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



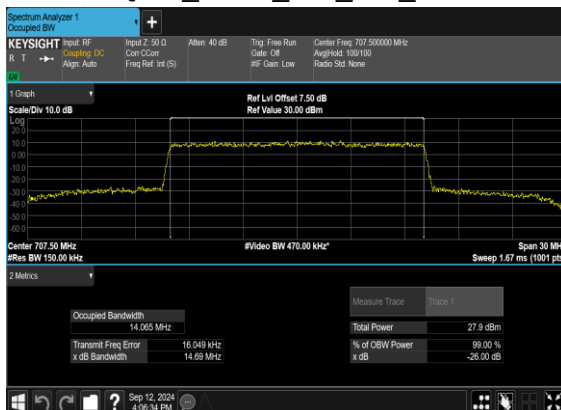
N12(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



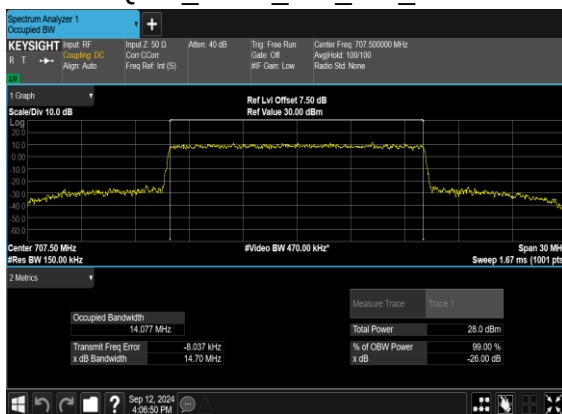
N12(15M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



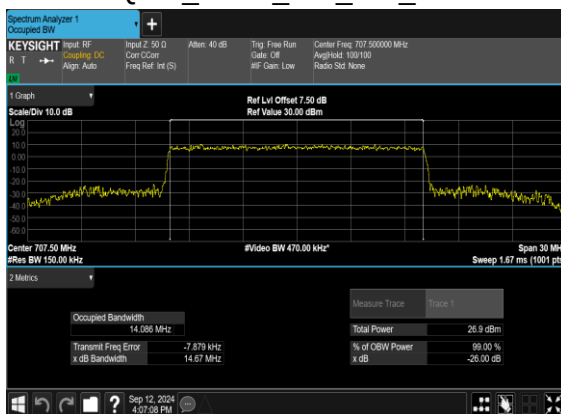
N12(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N12(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N12(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

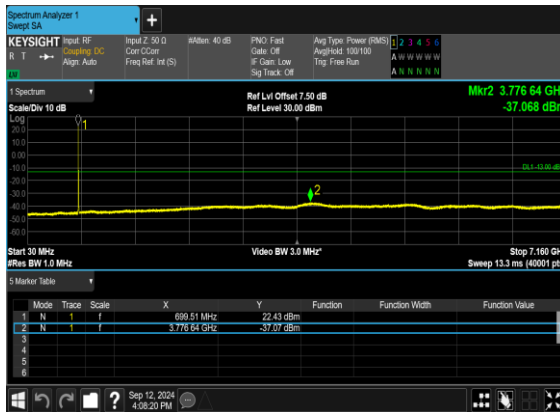
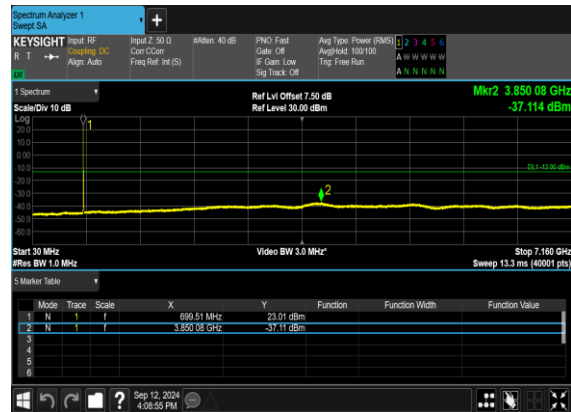
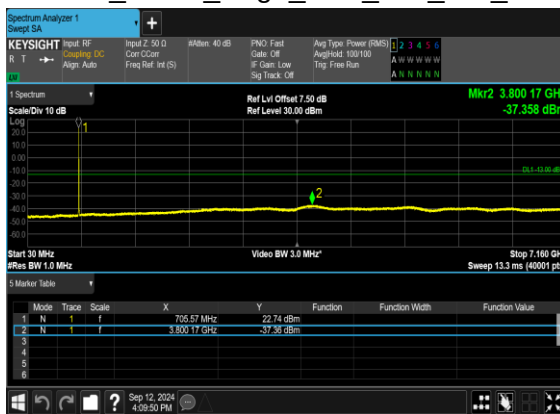
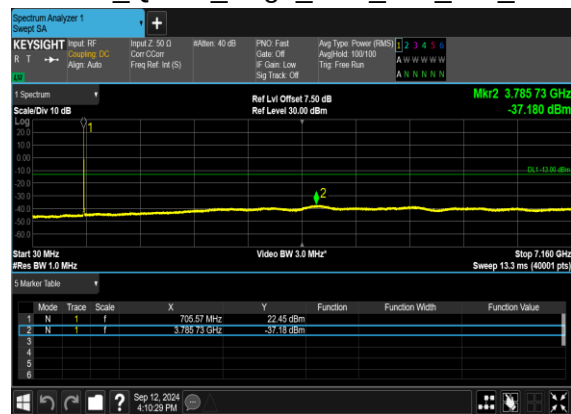
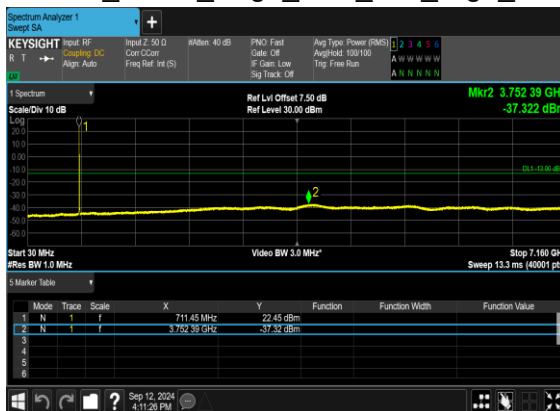


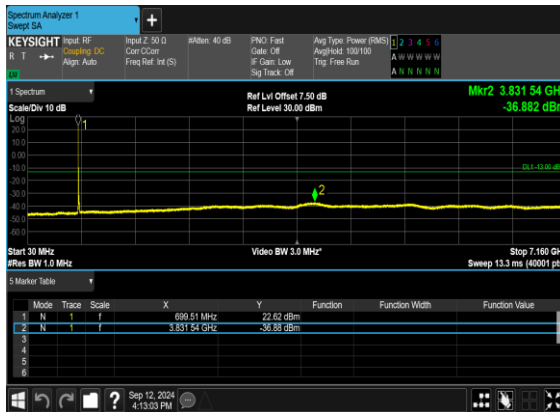
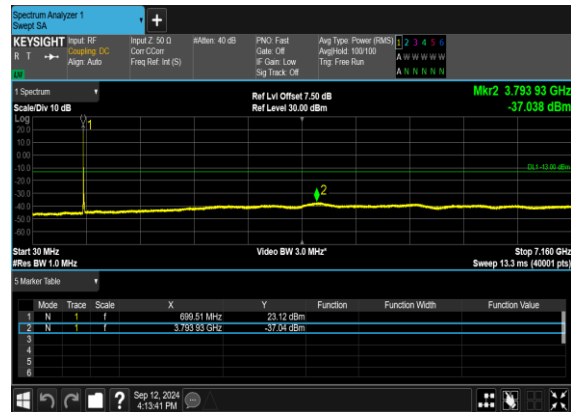
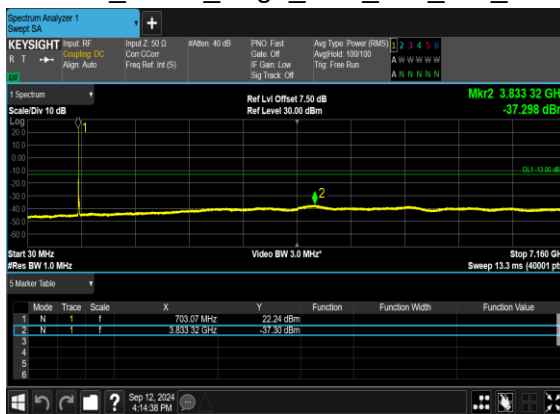
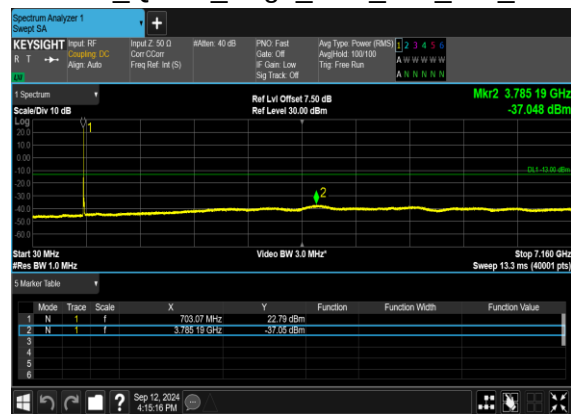
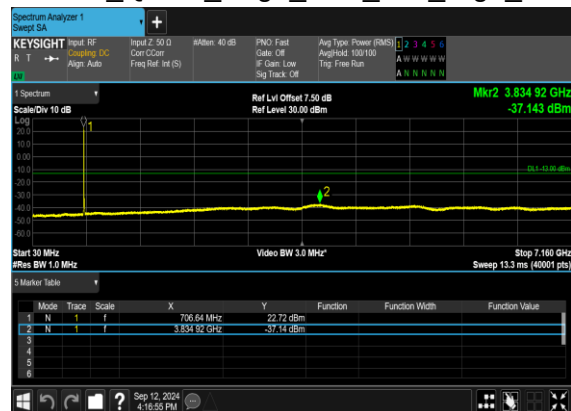
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
12	15	5	140300	701.5	DFT-s-OFDM BPSK	1@0	see graph	---
12	15	5	140300	701.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	5	140300	701.5	DFT-s-OFDM QPSK	1@0	see graph	---
12	15	5	140300	701.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
12	15	5	141500	707.5	DFT-s-OFDM BPSK	1@0	see graph	---
12	15	5	141500	707.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	5	141500	707.5	DFT-s-OFDM QPSK	1@0	see graph	---
12	15	5	141500	707.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
12	15	5	142700	713.5	DFT-s-OFDM BPSK	1@0	see graph	---



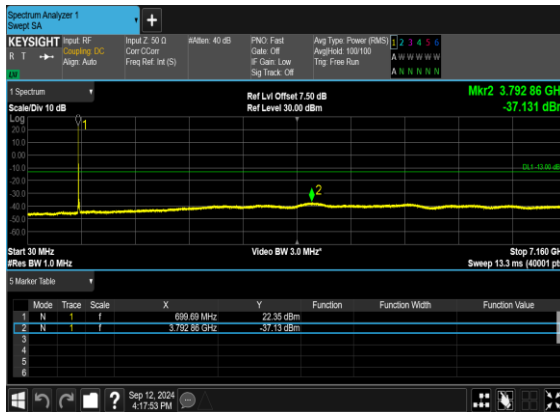
12	15	5	142700	713.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	5	142700	713.5	DFT-s-OFDM QPSK	1@0	see graph	---
12	15	5	142700	713.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
12	15	10	140800	704.0	DFT-s-OFDM BPSK	1@0	see graph	---
12	15	10	140800	704.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	10	140800	704.0	DFT-s-OFDM QPSK	1@0	see graph	---
12	15	10	140800	704.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
12	15	10	141500	707.5	DFT-s-OFDM BPSK	1@0	see graph	---
12	15	10	141500	707.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	10	141500	707.5	DFT-s-OFDM QPSK	1@0	see graph	---
12	15	10	141500	707.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
12	15	10	142200	711.0	DFT-s-OFDM BPSK	1@0	see graph	---
12	15	10	142200	711.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	10	142200	711.0	DFT-s-OFDM QPSK	1@0	see graph	---
12	15	10	142200	711.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
12	15	15	141300	706.5	DFT-s-OFDM BPSK	1@0	see graph	---
12	15	15	141300	706.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	15	141300	706.5	DFT-s-OFDM QPSK	1@0	see graph	---
12	15	15	141300	706.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
12	15	15	141500	707.5	DFT-s-OFDM BPSK	1@0	see graph	---
12	15	15	141500	707.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	15	141500	707.5	DFT-s-OFDM QPSK	1@0	see graph	---
12	15	15	141500	707.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
12	15	15	141700	708.5	DFT-s-OFDM BPSK	1@0	see graph	---
12	15	15	141700	708.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@0	see graph	---
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@0	see graph	PASS

N12(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN12(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN12(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN12(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN12(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN12(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

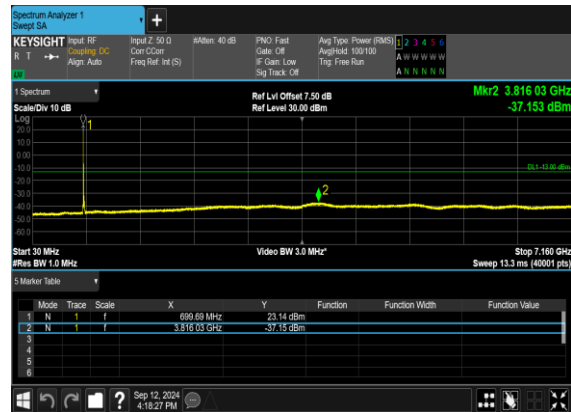
N12(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN12(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN12(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN12(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN12(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN12(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



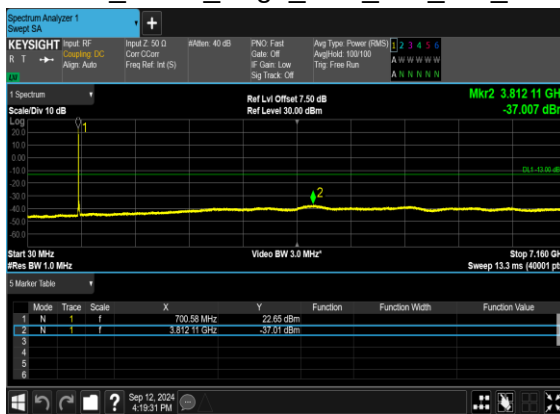
N12(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



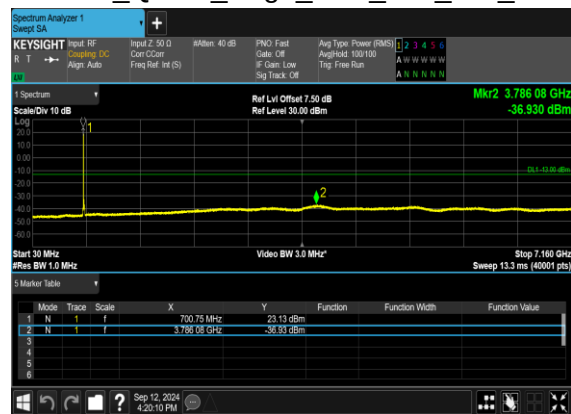
N12(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



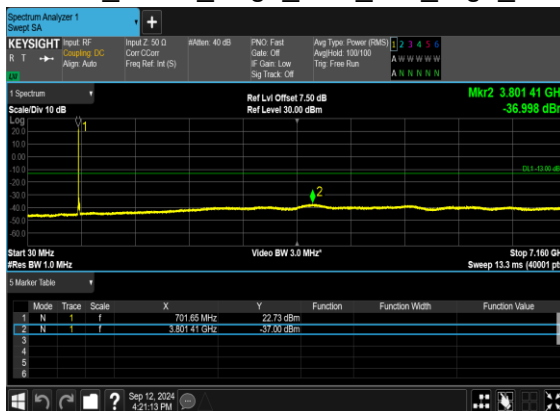
N12(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



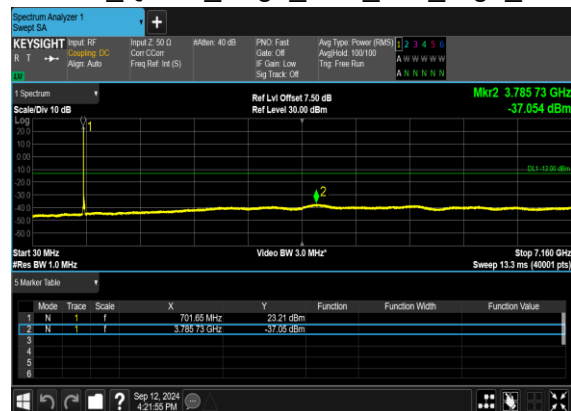
N12(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N12(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH

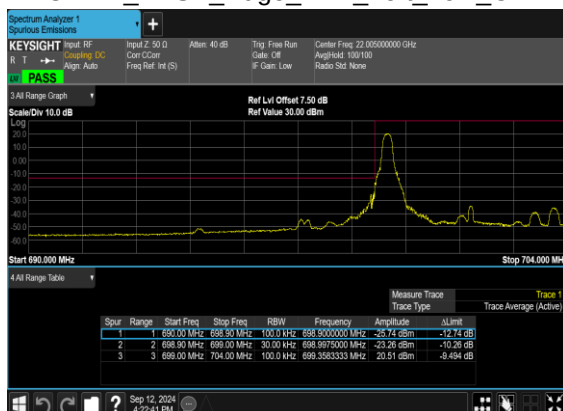
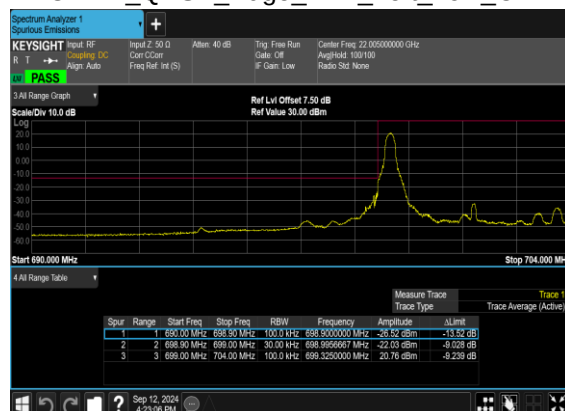
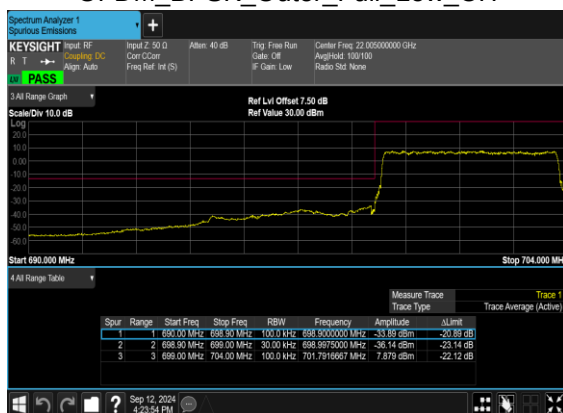
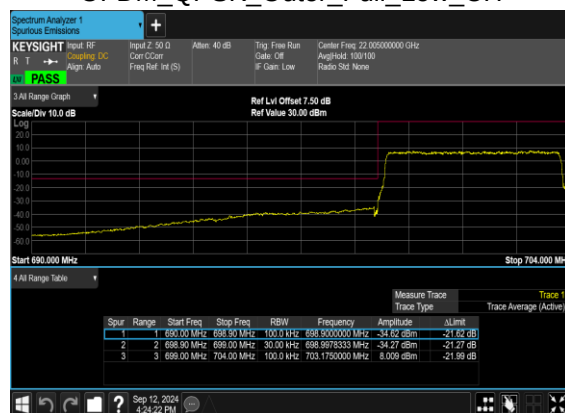


N12(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



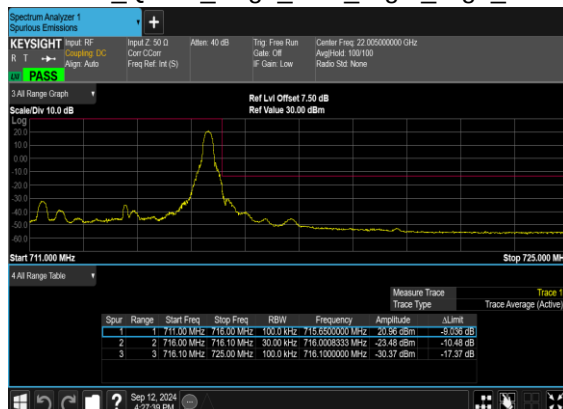
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
12	15	5	140300	701.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	5	140300	701.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
12	15	5	140300	701.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
12	15	5	140300	701.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
12	15	5	142700	713.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
12	15	5	142700	713.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
12	15	5	142700	713.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
12	15	5	142700	713.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
12	15	10	140800	704.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	10	140800	704.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
12	15	10	140800	704.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
12	15	10	140800	704.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
12	15	10	142200	711.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
12	15	10	142200	711.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
12	15	10	142200	711.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
12	15	10	142200	711.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
12	15	15	141300	706.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	15	141300	706.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
12	15	15	141300	706.5	DFT-s-OFDM BPSK	75@0	see graph	PASS
12	15	15	141300	706.5	DFT-s-OFDM QPSK	75@0	see graph	PASS
12	15	15	141700	708.5	DFT-s-OFDM BPSK	1@78	see graph	PASS
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@78	see graph	PASS
12	15	15	141700	708.5	DFT-s-OFDM BPSK	75@0	see graph	PASS
12	15	15	141700	708.5	DFT-s-OFDM QPSK	75@0	see graph	PASS

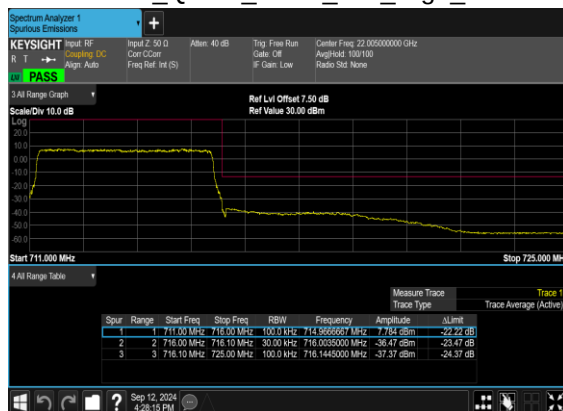
N12(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN12(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN12(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN12(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

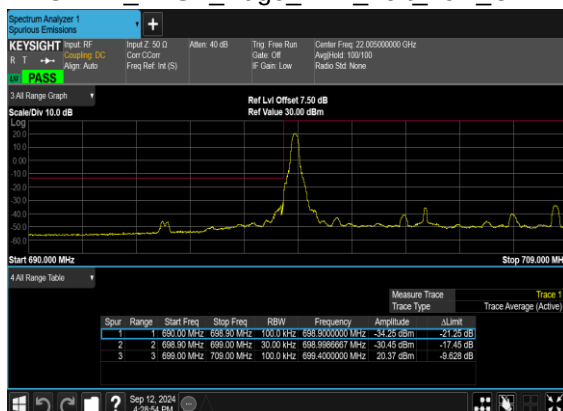
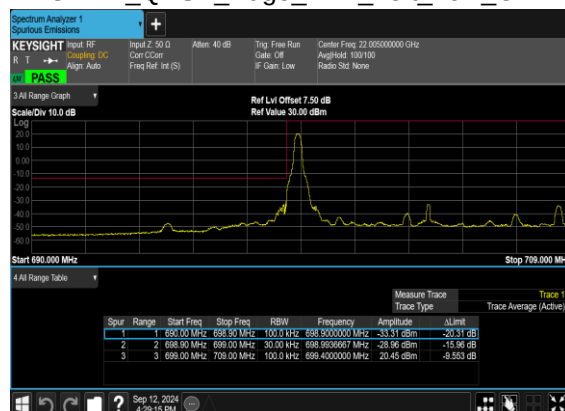
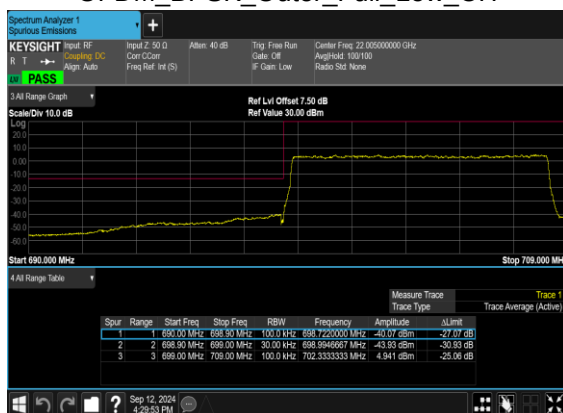
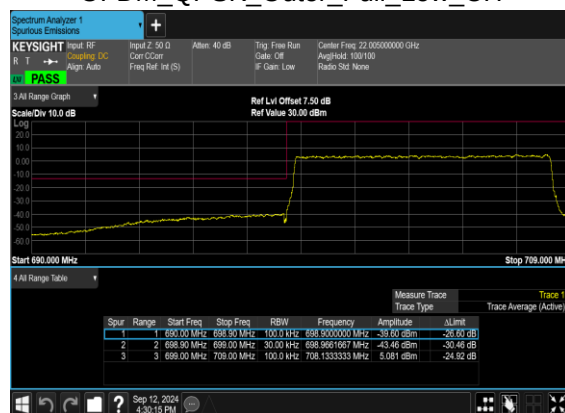


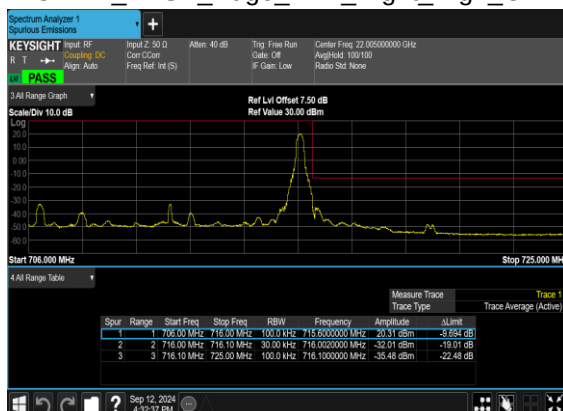
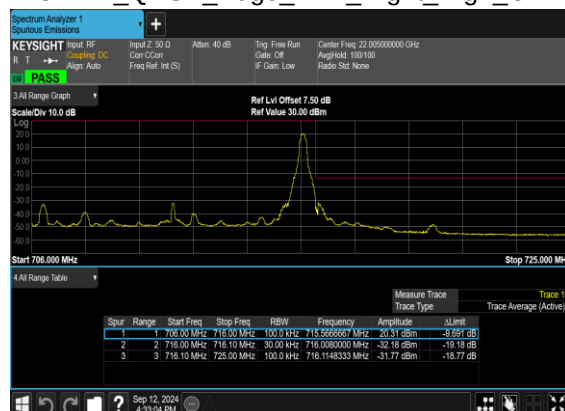
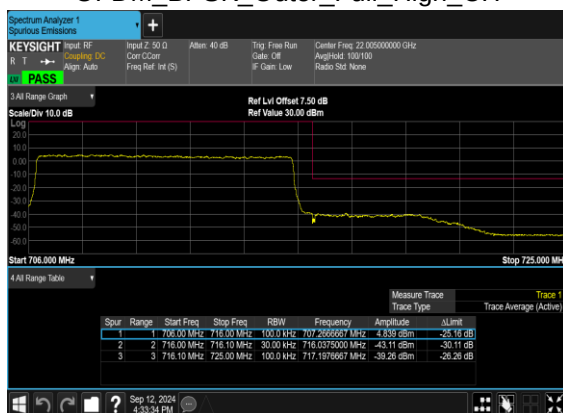
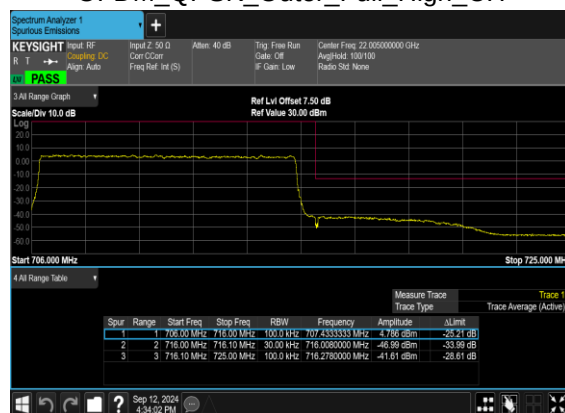
N12(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH

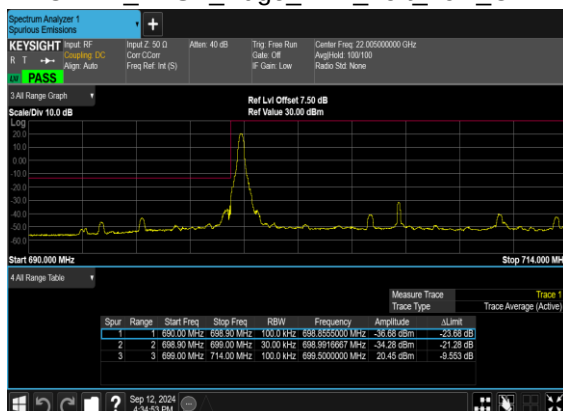
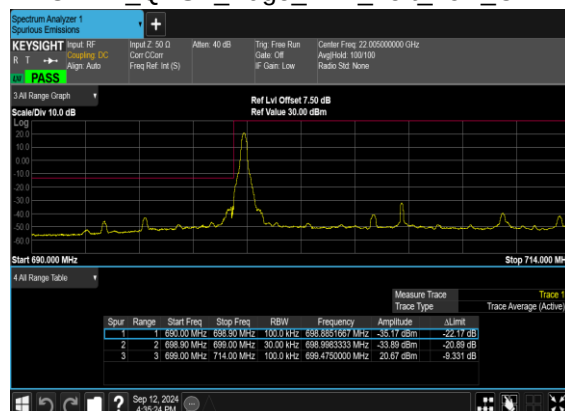
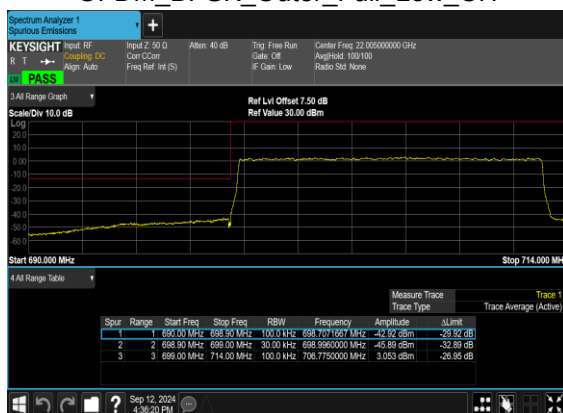
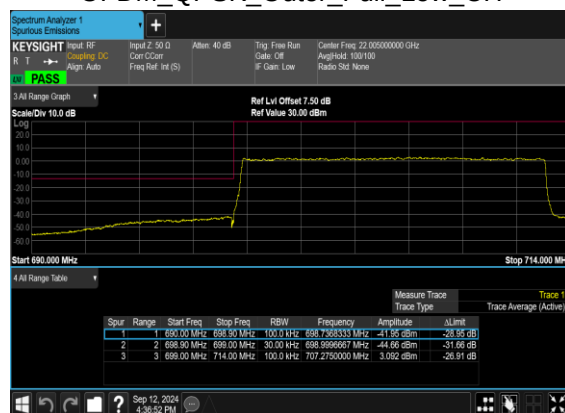


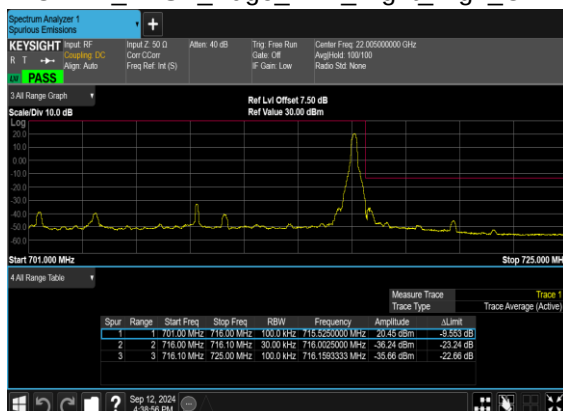
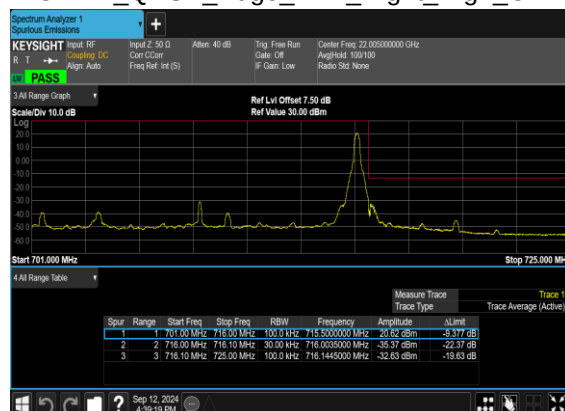
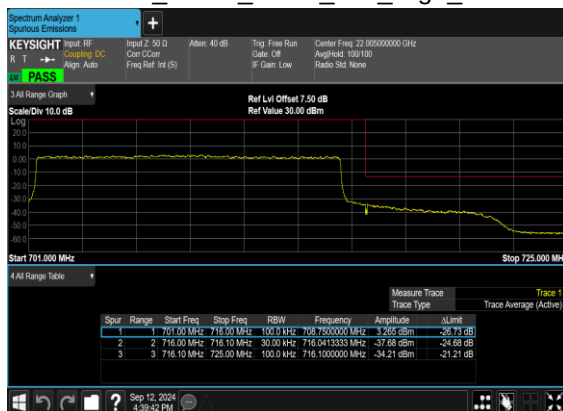
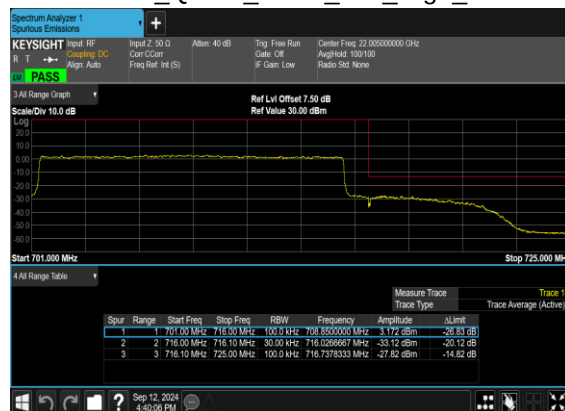
N12(5M)_DFT-s-OFDM QPSK Outer Full High CH



N12(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN12(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN12(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN12(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

N12(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN12(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN12(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN12(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

N12(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN12(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN12(15M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN12(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

N12(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN12(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN12(15M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN12(15M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

FR1 N38

Transmitter Conducted Output Power And EIRP, (G_T - L_c)=0.6dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
38	30	10	515000	2575	DFT-s-OFDM QPSK	1@1	25.22	25.82	0.3819
38	30	10	515000	2575	DFT-s-OFDM 16 QAM	1@1	24.83	25.43	0.3491
38	30	10	519000	2595	DFT-s-OFDM QPSK	1@1	25.16	25.76	0.3767
38	30	10	519000	2595	DFT-s-OFDM 16 QAM	1@1	24.76	25.36	0.3436
38	30	10	523000	2615	DFT-s-OFDM QPSK	1@1	25.07	25.67	0.3690
38	30	10	523000	2615	DFT-s-OFDM 16 QAM	1@1	24.68	25.28	0.3373
38	30	15	515500	2577.5	DFT-s-OFDM QPSK	1@1	25.22	25.82	0.3819
38	30	15	515500	2577.5	DFT-s-OFDM 16 QAM	1@1	24.76	25.36	0.3436
38	30	15	519000	2595	DFT-s-OFDM QPSK	1@1	25.2	25.8	0.3802
38	30	15	519000	2595	DFT-s-OFDM 16 QAM	1@1	24.76	25.36	0.3436
38	30	15	522500	2612.5	DFT-s-OFDM QPSK	1@1	25.06	25.66	0.3681
38	30	15	522500	2612.5	DFT-s-OFDM 16 QAM	1@1	24.57	25.17	0.3289
38	30	20	516000	2580	DFT-s-OFDM QPSK	1@1	25.22	25.82	0.3819
38	30	20	516000	2580	DFT-s-OFDM 16 QAM	1@1	24.83	25.43	0.3491
38	30	20	519000	2595	DFT-s-OFDM QPSK	1@1	25.22	25.82	0.3819
38	30	20	519000	2595	DFT-s-OFDM 16 QAM	1@1	24.75	25.35	0.3428
38	30	20	522000	2610	DFT-s-OFDM QPSK	1@1	25.12	25.72	0.3733
38	30	20	522000	2610	DFT-s-OFDM 16 QAM	1@1	24.69	25.29	0.3381
38	30	30	517000	2585	DFT-s-OFDM QPSK	1@1	25.31	25.91	0.3899
38	30	30	517000	2585	DFT-s-OFDM 16 QAM	1@1	24.88	25.48	0.3532
38	30	30	519000	2595	DFT-s-OFDM QPSK	1@1	25.25	25.85	0.3846
38	30	30	519000	2595	DFT-s-OFDM 16 QAM	1@1	24.78	25.38	0.3451
38	30	30	521000	2605	DFT-s-OFDM QPSK	1@1	25.13	25.73	0.3741
38	30	30	521000	2605	DFT-s-OFDM 16 QAM	1@1	24.69	25.29	0.3381
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	50@25	25.31	25.91	0.3899
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@1	25.35	25.95	0.3936
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@104	25.25	25.85	0.3846
38	30	40	518000	2590	DFT-s-OFDM QPSK	50@25	25.31	25.91	0.3899
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@1	25.28	25.88	0.3873
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@104	25.26	25.86	0.3855
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	50@25	24.81	25.41	0.3475
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@1	24.82	25.42	0.3483
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@104	24.71	25.31	0.3396
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	50@25	24.33	24.93	0.3112
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@1	24.42	25.02	0.3177
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@104	24.41	25.01	0.3170



38	30	40	518000	2590	DFT-s-OFDM 256 QAM	50@25	23.34	23.94	0.2477
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@1	23.19	23.79	0.2393
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@104	23.1	23.7	0.2344
38	30	40	518000	2590	CP-OFDM QPSK	53@26	24.21	24.81	0.3027
38	30	40	518000	2590	CP-OFDM QPSK	1@1	24.21	24.81	0.3027
38	30	40	518000	2590	CP-OFDM QPSK	1@104	24.17	24.77	0.2999
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	50@25	25.27	25.87	0.3864
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	25.34	25.94	0.3926
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@104	25.25	25.85	0.3846
38	30	40	519000	2595	DFT-s-OFDM QPSK	50@25	25.29	25.89	0.3882
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@1	25.29	25.89	0.3882
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@104	25.21	25.81	0.3811
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	50@25	24.8	25.4	0.3467
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@1	24.86	25.46	0.3516
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@104	24.76	25.36	0.3436
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	50@25	24.29	24.89	0.3083
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@1	24.49	25.09	0.3228
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@104	24.37	24.97	0.3141
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	50@25	23.33	23.93	0.2472
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@1	23.24	23.84	0.2421
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@104	23.1	23.7	0.2344
38	30	40	519000	2595	CP-OFDM QPSK	53@26	24.21	24.81	0.3027
38	30	40	519000	2595	CP-OFDM QPSK	1@1	24.22	24.82	0.3034
38	30	40	519000	2595	CP-OFDM QPSK	1@104	24.18	24.78	0.3006
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	50@25	25.25	25.85	0.3846
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@1	25.26	25.86	0.3855
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@104	25.27	25.87	0.3864
38	30	40	520000	2600	DFT-s-OFDM QPSK	50@25	25.21	25.81	0.3811
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@1	25.19	25.79	0.3793
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@104	25.27	25.87	0.3864
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	50@25	24.73	25.33	0.3412
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@1	24.75	25.35	0.3428
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@104	24.76	25.36	0.3436
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	50@25	24.23	24.83	0.3041
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@1	24.37	24.97	0.3141
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@104	24.38	24.98	0.3148
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	50@25	23.25	23.85	0.2427
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@1	23.09	23.69	0.2339
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@104	23.13	23.73	0.2360
38	30	40	520000	2600	CP-OFDM QPSK	53@26	24.22	24.82	0.3034
38	30	40	520000	2600	CP-OFDM QPSK	1@1	24.12	24.72	0.2965
38	30	40	520000	2600	CP-OFDM QPSK	1@104	24.18	24.78	0.3006

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
38	30	10	519000	2595.0	DFT-s-OFDM QPSK	24@0	0.0048	PASS	NV
38	30	10	519000	2595.0	DFT-s-OFDM QPSK	24@0	0.0021	PASS	LV
38	30	10	519000	2595.0	DFT-s-OFDM QPSK	24@0	0.0066	PASS	HV
38	30	10	519000	2595.0	DFT-s-OFDM QPSK	24@0	0.0041	PASS	-30°C
38	30	10	519000	2595.0	DFT-s-OFDM QPSK	24@0	0.0042	PASS	-20°C
38	30	10	519000	2595.0	DFT-s-OFDM QPSK	24@0	0.0062	PASS	-10°C
38	30	10	519000	2595.0	DFT-s-OFDM QPSK	24@0	0.0067	PASS	0°C
38	30	10	519000	2595.0	DFT-s-OFDM QPSK	24@0	0.0057	PASS	10°C
38	30	10	519000	2595.0	DFT-s-OFDM QPSK	24@0	0.0048	PASS	20°C
38	30	10	519000	2595.0	DFT-s-OFDM QPSK	24@0	0.0068	PASS	30°C
38	30	10	519000	2595.0	DFT-s-OFDM QPSK	24@0	0.0032	PASS	40°C
38	30	10	519000	2595.0	DFT-s-OFDM QPSK	24@0	0.0024	PASS	50°C

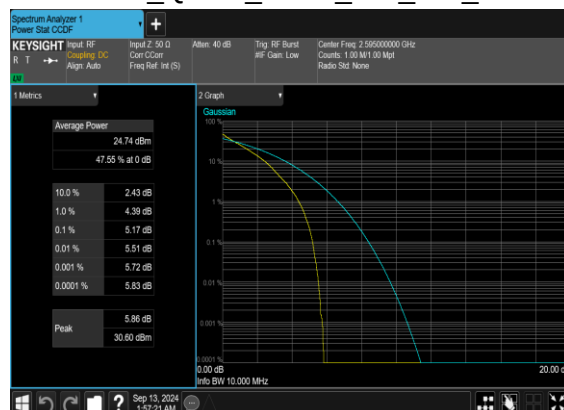
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
38	30	10	519000	2595.0	DFT-s-OFDM PI/2 BPSK	24@0	4.15	13	PASS
38	30	10	519000	2595.0	DFT-s-OFDM QPSK	24@0	5.17	13	PASS

N38(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH

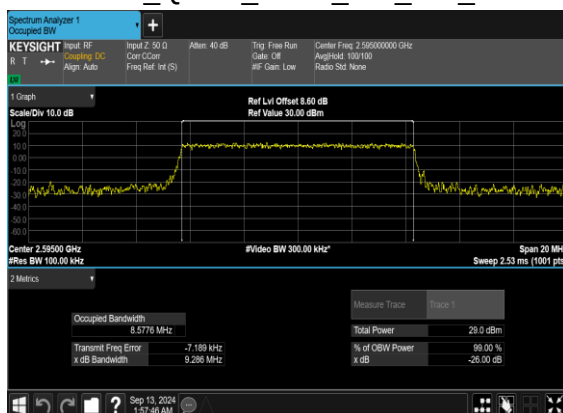
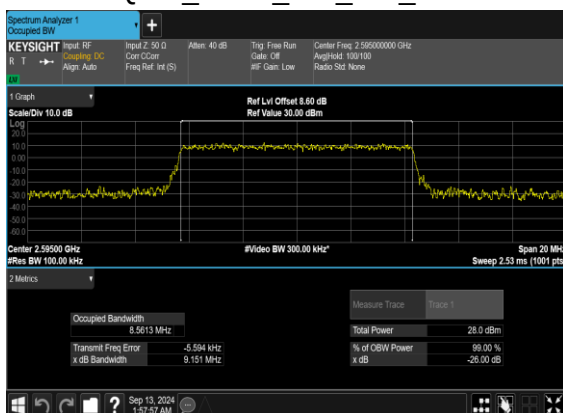
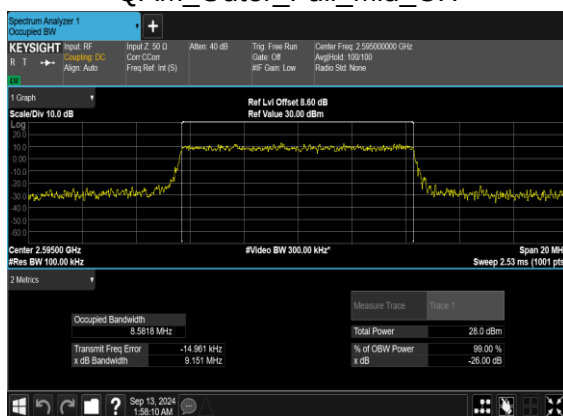
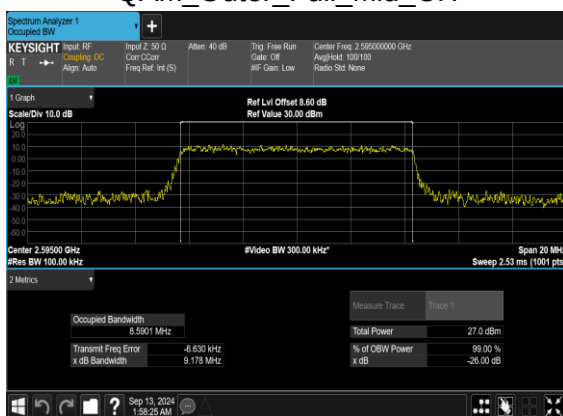


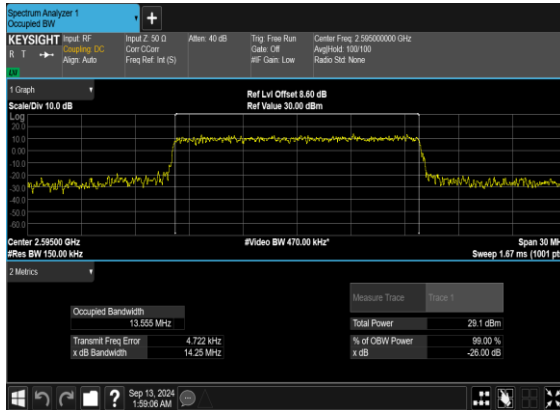
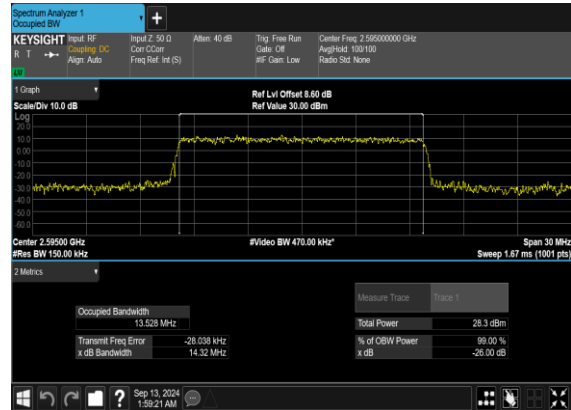
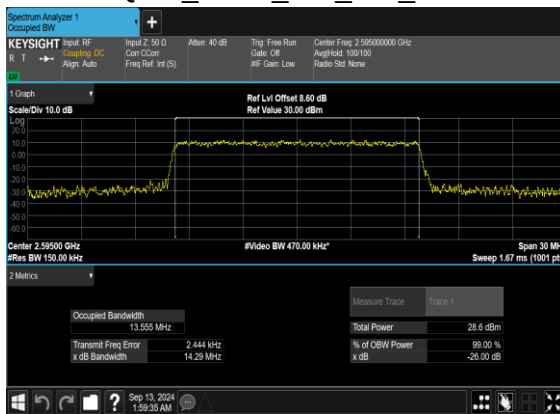
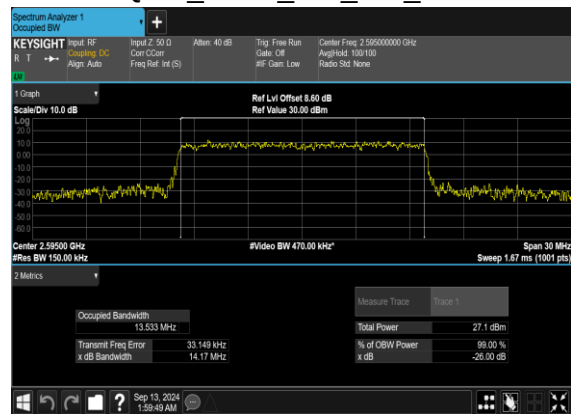
N38(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



Occupied Bandwidth

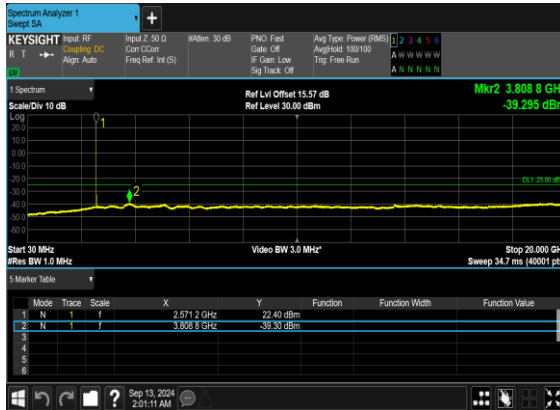
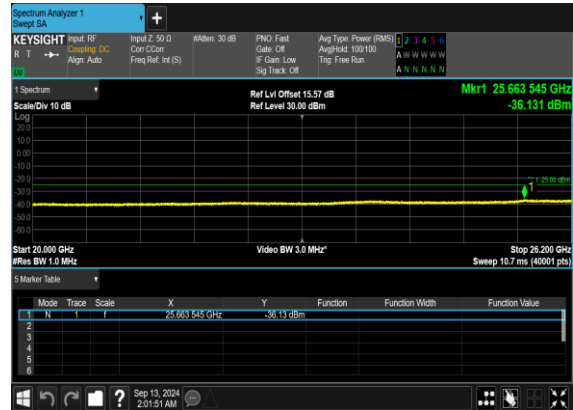
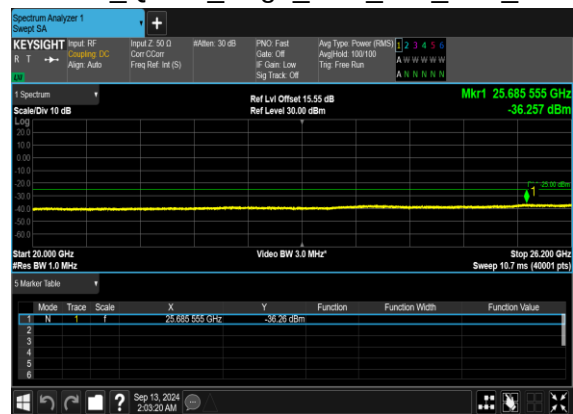
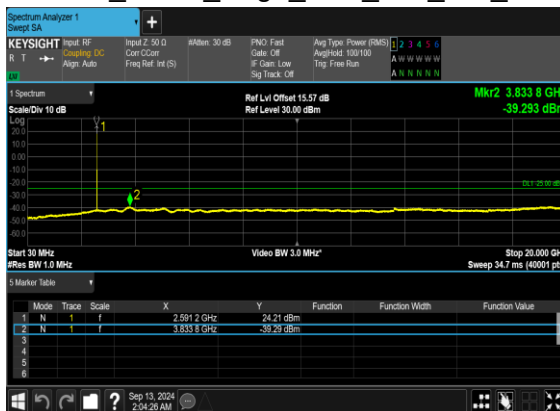
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
38	30	10	519000	2595.0	CP-OFDM QPSK	24@0	8.5776	9.286
38	30	10	519000	2595.0	CP-OFDM 16 QAM	24@0	8.5613	9.151
38	30	10	519000	2595.0	CP-OFDM 64 QAM	24@0	8.5818	9.151
38	30	10	519000	2595.0	CP-OFDM 256 QAM	24@0	8.5901	9.178
38	30	15	519000	2595.0	CP-OFDM QPSK	38@0	13.555	14.25
38	30	15	519000	2595.0	CP-OFDM 16 QAM	38@0	13.528	14.32
38	30	15	519000	2595.0	CP-OFDM 64 QAM	38@0	13.555	14.29
38	30	15	519000	2595.0	CP-OFDM 256 QAM	38@0	13.533	14.17

N38(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CHN38(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CHN38(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CHN38(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

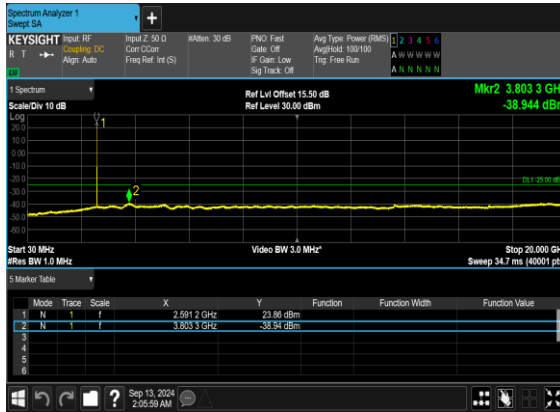
N38(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CHN38(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CHN38(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CHN38(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

Conducted Spurious Emissions

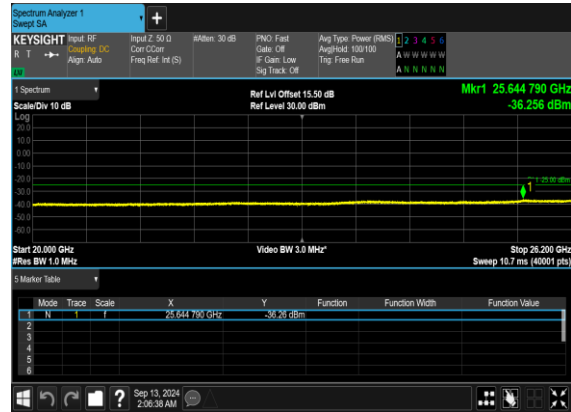
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
38	30	10	515000	2575.0	DFT-s-OFDM BPSK	1@0	see graph	---
38	30	10	515000	2575.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	30	10	515000	2575.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	30	10	515000	2575.0	DFT-s-OFDM QPSK	1@0	see graph	---
38	30	10	515000	2575.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	30	10	515000	2575.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	30	10	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	---
38	30	10	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	30	10	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	30	10	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	---
38	30	10	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	30	10	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	30	10	523000	2615.0	DFT-s-OFDM BPSK	1@0	see graph	---
38	30	10	523000	2615.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	30	10	523000	2615.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	30	10	523000	2615.0	DFT-s-OFDM QPSK	1@0	see graph	---
38	30	10	523000	2615.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	30	10	523000	2615.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	30	15	515500	2577.5	DFT-s-OFDM BPSK	1@0	see graph	---
38	30	15	515500	2577.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	30	15	515500	2577.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	30	15	515500	2577.5	DFT-s-OFDM QPSK	1@0	see graph	---
38	30	15	515500	2577.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	30	15	515500	2577.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	30	15	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	---
38	30	15	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	30	15	519000	2595.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	30	15	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	---
38	30	15	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	30	15	519000	2595.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	30	15	522500	2612.5	DFT-s-OFDM BPSK	1@0	see graph	---
38	30	15	522500	2612.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	30	15	522500	2612.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
38	30	15	522500	2612.5	DFT-s-OFDM QPSK	1@0	see graph	---
38	30	15	522500	2612.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
38	30	15	522500	2612.5	DFT-s-OFDM QPSK	1@0	see graph	PASS

N38(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN38(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN38(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN38(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN38(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN38(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

N38(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N38(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N38(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



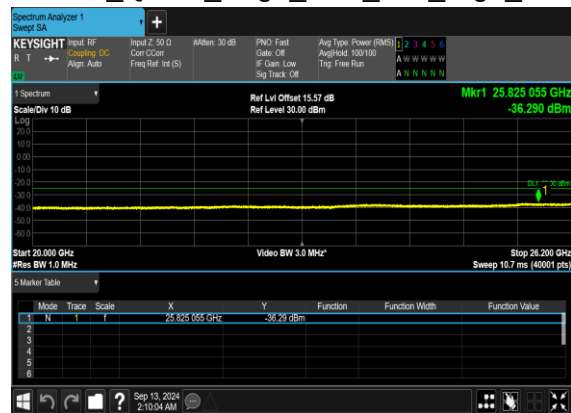
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OFDM_BPSK_Edge_1RB_Left_High_CH



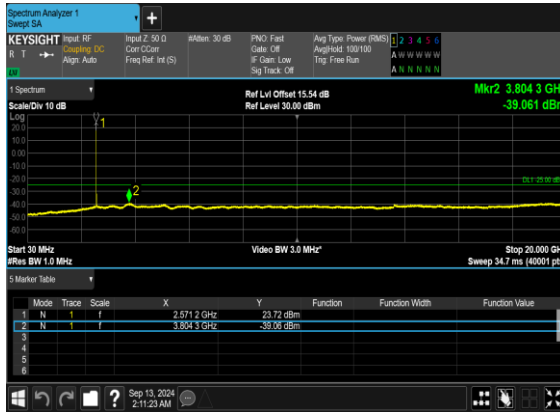
N38(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N38(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N38(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N38(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N38(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N38(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N38(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N38(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

