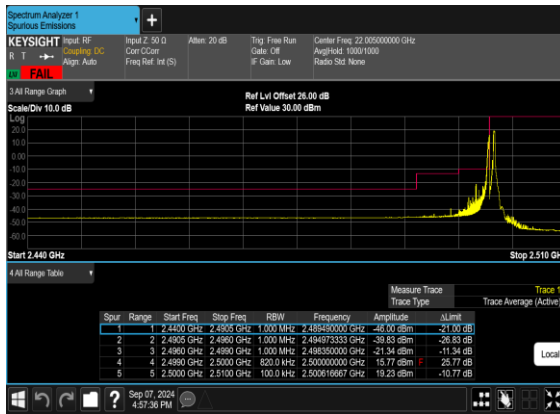
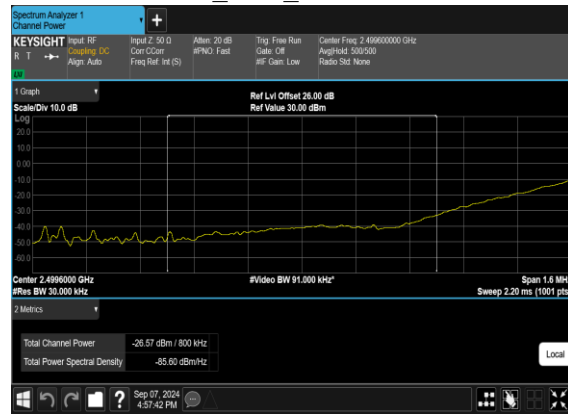




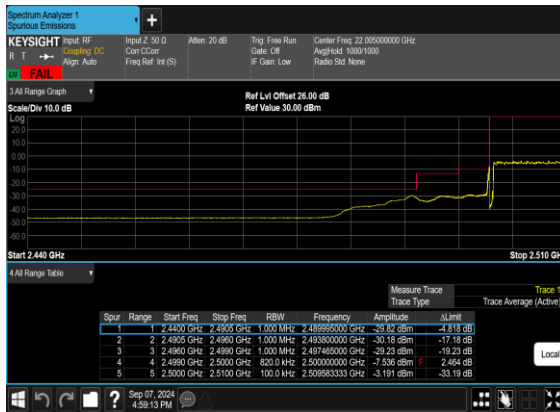
N7(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



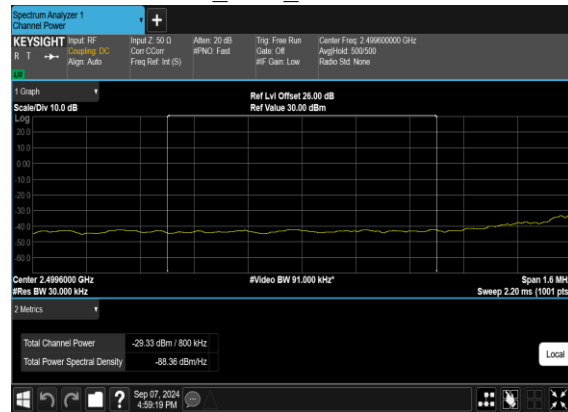
N7(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH
_CHP_PASS



N7(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

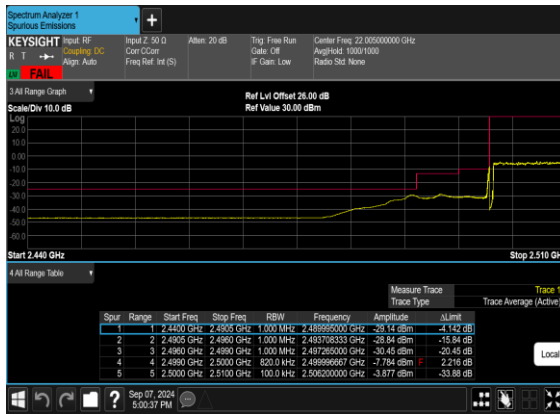


N7(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH
_CHP_PASS

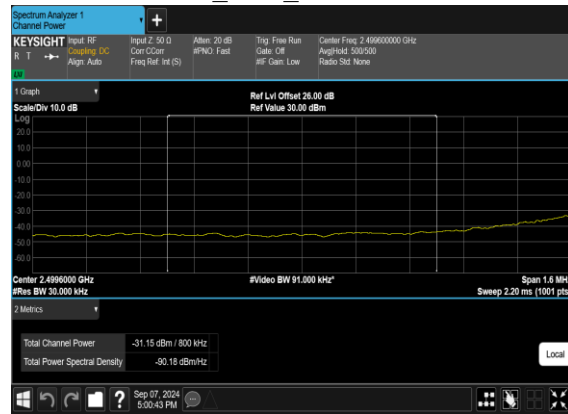




N7(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



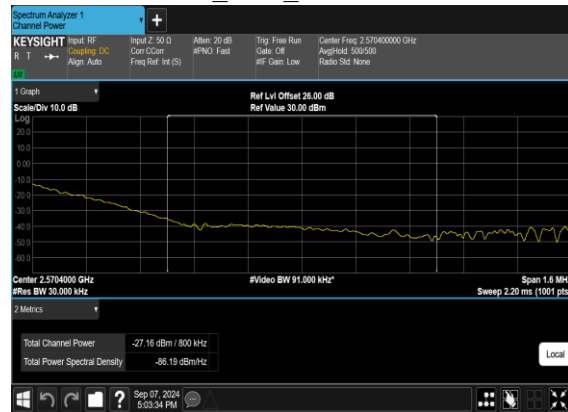
N7(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH
_CHP_PASS



N7(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N7(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH
_CHP_PASS

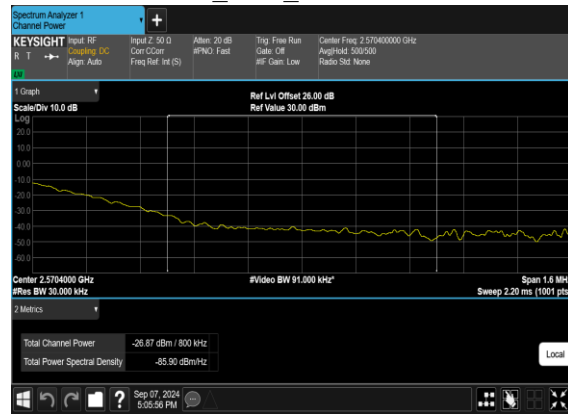




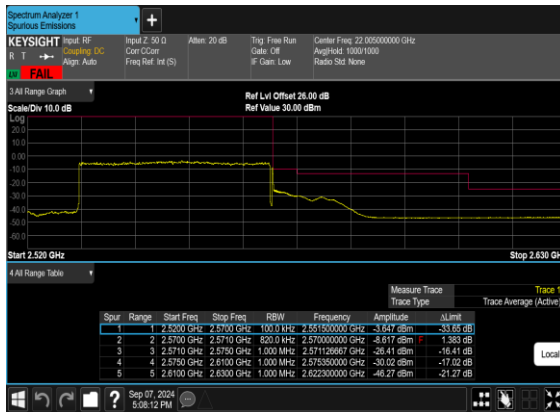
N7(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



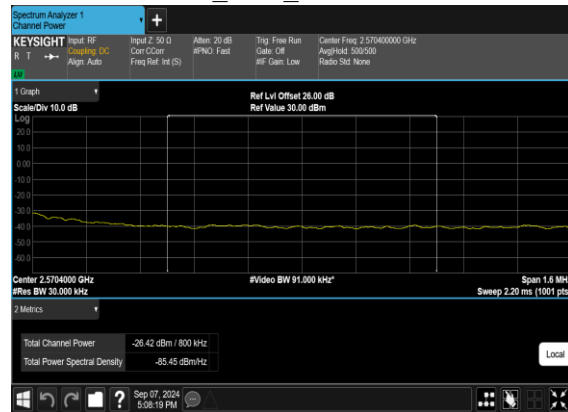
N7(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH
_CHP_PASS



N7(40M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

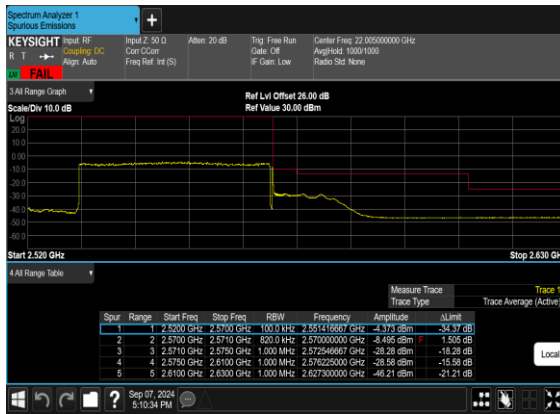


N7(40M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH
_CHP_PASS

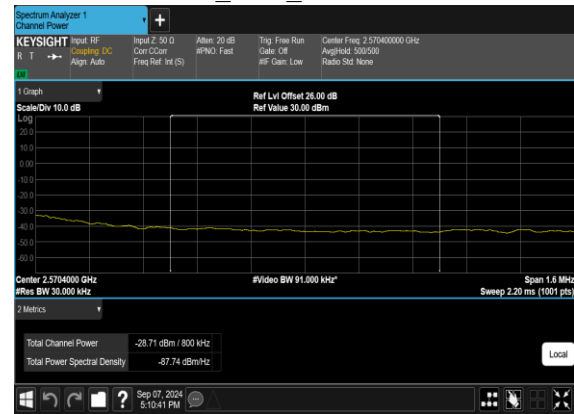




N7(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



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)=-8.8dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
12	15	5	140300	701.5	DFT-s-OFDM PI/2 BPSK	1@1	23.50	12.55	0.0180
12	15	5	140300	701.5	DFT-s-OFDM QPSK	1@1	23.54	12.59	0.0182
12	15	5	140300	701.5	DFT-s-OFDM 16 QAM	1@1	22.73	11.78	0.0151
12	15	5	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@1	23.31	12.36	0.0172
12	15	5	141500	707.5	DFT-s-OFDM QPSK	1@1	23.41	12.46	0.0176
12	15	5	141500	707.5	DFT-s-OFDM 16 QAM	1@1	22.38	11.43	0.0139
12	15	5	142700	713.5	DFT-s-OFDM PI/2 BPSK	1@1	23.15	12.20	0.0166
12	15	5	142700	713.5	DFT-s-OFDM QPSK	1@1	23.24	12.29	0.0169
12	15	5	142700	713.5	DFT-s-OFDM 16 QAM	1@1	22.32	11.37	0.0137
12	15	10	140800	704	DFT-s-OFDM PI/2 BPSK	1@1	23.70	12.75	0.0188
12	15	10	140800	704	DFT-s-OFDM QPSK	1@1	23.55	12.60	0.0182
12	15	10	140800	704	DFT-s-OFDM 16 QAM	1@1	22.57	11.62	0.0145
12	15	10	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@1	23.41	12.46	0.0176
12	15	10	141500	707.5	DFT-s-OFDM QPSK	1@1	23.39	12.44	0.0175
12	15	10	141500	707.5	DFT-s-OFDM 16 QAM	1@1	22.45	11.50	0.0141
12	15	10	142200	711	DFT-s-OFDM PI/2 BPSK	1@1	23.56	12.61	0.0182
12	15	10	142200	711	DFT-s-OFDM QPSK	1@1	23.39	12.44	0.0175
12	15	10	142200	711	DFT-s-OFDM 16 QAM	1@1	22.40	11.45	0.0140
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	36@18	23.42	12.47	0.0177
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	1@1	23.56	12.61	0.0182
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	1@77	23.27	12.32	0.0171
12	15	15	141300	706.5	DFT-s-OFDM QPSK	36@18	23.46	12.51	0.0178
12	15	15	141300	706.5	DFT-s-OFDM QPSK	1@1	23.62	12.67	0.0185
12	15	15	141300	706.5	DFT-s-OFDM QPSK	1@77	23.26	12.31	0.0170
12	15	15	141300	706.5	DFT-s-OFDM 16 QAM	36@18	22.44	11.49	0.0141
12	15	15	141300	706.5	DFT-s-OFDM 16 QAM	1@1	22.64	11.69	0.0148
12	15	15	141300	706.5	DFT-s-OFDM 16 QAM	1@77	22.33	11.38	0.0137
12	15	15	141300	706.5	DFT-s-OFDM 64 QAM	36@18	21.01	10.06	0.0101
12	15	15	141300	706.5	DFT-s-OFDM 64 QAM	1@1	21.26	10.31	0.0107
12	15	15	141300	706.5	DFT-s-OFDM 64 QAM	1@77	20.98	10.03	0.0101
12	15	15	141300	706.5	DFT-s-OFDM 256 QAM	36@18	18.84	7.89	0.0062
12	15	15	141300	706.5	DFT-s-OFDM 256 QAM	1@1	18.60	7.65	0.0058
12	15	15	141300	706.5	DFT-s-OFDM 256 QAM	1@77	18.37	7.42	0.0055
12	15	15	141300	706.5	CP-OFDM QPSK	39@19	21.90	10.95	0.0124



12	15	15	141300	706.5	CP-OFDM QPSK	1@1	22.16	11.21	0.0132
12	15	15	141300	706.5	CP-OFDM QPSK	1@77	21.84	10.89	0.0123
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	36@18	23.47	12.52	0.0179
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@1	23.63	12.68	0.0185
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@77	23.27	12.32	0.0171
12	15	15	141500	707.5	DFT-s-OFDM QPSK	36@18	23.48	12.53	0.0179
12	15	15	141500	707.5	DFT-s-OFDM QPSK	1@1	23.43	12.48	0.0177
12	15	15	141500	707.5	DFT-s-OFDM QPSK	1@77	23.22	12.27	0.0169
12	15	15	141500	707.5	DFT-s-OFDM 16 QAM	36@18	22.50	11.55	0.0143
12	15	15	141500	707.5	DFT-s-OFDM 16 QAM	1@1	22.43	11.48	0.0141
12	15	15	141500	707.5	DFT-s-OFDM 16 QAM	1@77	22.25	11.30	0.0135
12	15	15	141500	707.5	DFT-s-OFDM 64 QAM	36@18	20.98	10.03	0.0101
12	15	15	141500	707.5	DFT-s-OFDM 64 QAM	1@1	20.92	9.97	0.0099
12	15	15	141500	707.5	DFT-s-OFDM 64 QAM	1@77	20.79	9.84	0.0096
12	15	15	141500	707.5	DFT-s-OFDM 256 QAM	36@18	19.25	8.30	0.0068
12	15	15	141500	707.5	DFT-s-OFDM 256 QAM	1@1	19.10	8.15	0.0065
12	15	15	141500	707.5	DFT-s-OFDM 256 QAM	1@77	18.42	7.47	0.0056
12	15	15	141500	707.5	CP-OFDM QPSK	39@19	21.94	10.99	0.0126
12	15	15	141500	707.5	CP-OFDM QPSK	1@1	22.13	11.18	0.0131
12	15	15	141500	707.5	CP-OFDM QPSK	1@77	21.81	10.86	0.0122
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	36@18	23.44	12.49	0.0177
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	1@1	23.60	12.65	0.0184
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	1@77	23.32	12.37	0.0173
12	15	15	141700	708.5	DFT-s-OFDM QPSK	36@18	23.48	12.53	0.0179
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@1	23.51	12.56	0.0180
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@77	23.30	12.35	0.0172
12	15	15	141700	708.5	DFT-s-OFDM 16 QAM	36@18	22.48	11.53	0.0142
12	15	15	141700	708.5	DFT-s-OFDM 16 QAM	1@1	22.57	11.62	0.0145
12	15	15	141700	708.5	DFT-s-OFDM 16 QAM	1@77	22.37	11.42	0.0139
12	15	15	141700	708.5	DFT-s-OFDM 64 QAM	36@18	21.01	10.06	0.0101
12	15	15	141700	708.5	DFT-s-OFDM 64 QAM	1@1	21.22	10.27	0.0106
12	15	15	141700	708.5	DFT-s-OFDM 64 QAM	1@77	20.98	10.03	0.0101
12	15	15	141700	708.5	DFT-s-OFDM 256 QAM	36@18	18.63	7.68	0.0059
12	15	15	141700	708.5	DFT-s-OFDM 256 QAM	1@1	18.56	7.61	0.0058
12	15	15	141700	708.5	DFT-s-OFDM 256 QAM	1@77	18.39	7.44	0.0055
12	15	15	141700	708.5	CP-OFDM QPSK	39@19	21.93	10.98	0.0125
12	15	15	141700	708.5	CP-OFDM QPSK	1@1	22.10	11.15	0.0130
12	15	15	141700	708.5	CP-OFDM QPSK	1@77	21.77	10.82	0.0121



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	0.0044	PASS	NV
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0058	PASS	LV
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0066	PASS	HV
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0052	PASS	-30°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0018	PASS	-20°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0036	PASS	-10°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0040	PASS	0°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0062	PASS	10°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0039	PASS	20°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0066	PASS	30°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0051	PASS	40°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0028	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	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	75@0	3.41	13	PASS
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@0	4.39	13	PASS
12	15	15	141500	707.5	DFT-s-OFDM QPSK	75@0	5.36	13	PASS
12	15	15	141500	707.5	DFT-s-OFDM QPSK	1@0	5.98	13	PASS



N12(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N12(15M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Mid_CH



N12(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



N12(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

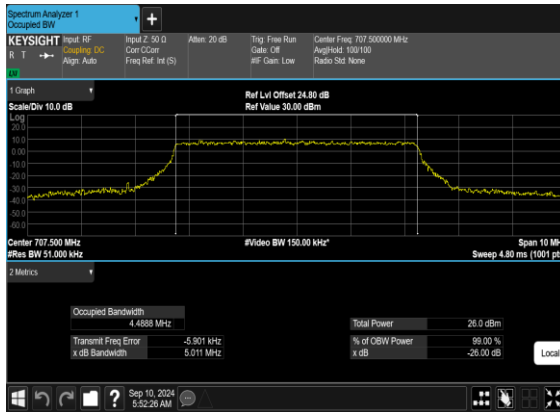


**Occupied Bandwidth**

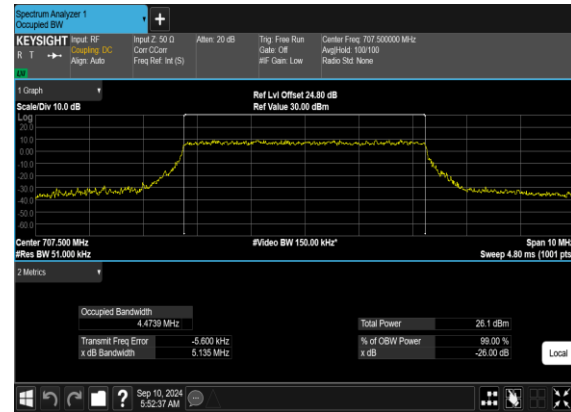
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
12	15	5	141500	707.5	CP-OFDM QPSK	25@0	4.4888	5.011
12	15	5	141500	707.5	CP-OFDM 16 QAM	25@0	4.4739	5.135
12	15	5	141500	707.5	CP-OFDM 64 QAM	25@0	4.4791	5.091
12	15	5	141500	707.5	CP-OFDM 256 QAM	25@0	4.4757	5.073
12	15	10	141500	707.5	CP-OFDM QPSK	52@0	9.2622	9.907
12	15	10	141500	707.5	CP-OFDM 16 QAM	52@0	9.2757	9.898
12	15	10	141500	707.5	CP-OFDM 64 QAM	52@0	9.2666	9.951
12	15	10	141500	707.5	CP-OFDM 256 QAM	52@0	9.2962	9.991
12	15	15	141500	707.5	CP-OFDM QPSK	79@0	14.093	14.93
12	15	15	141500	707.5	CP-OFDM 16 QAM	79@0	14.078	14.91
12	15	15	141500	707.5	CP-OFDM 64 QAM	79@0	14.116	14.9
12	15	15	141500	707.5	CP-OFDM 256 QAM	79@0	14.074	14.82



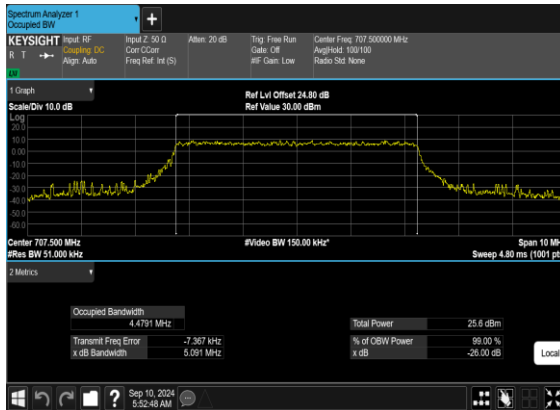
N12(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



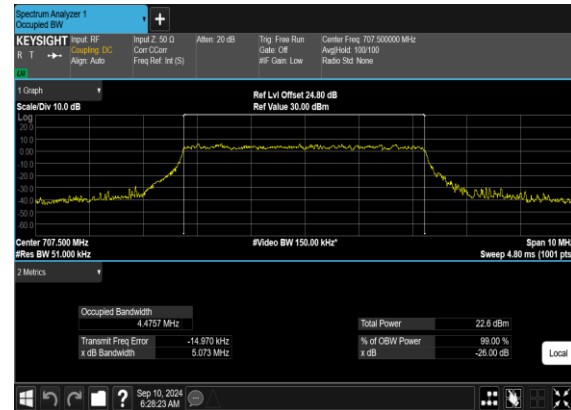
N12(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N12(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

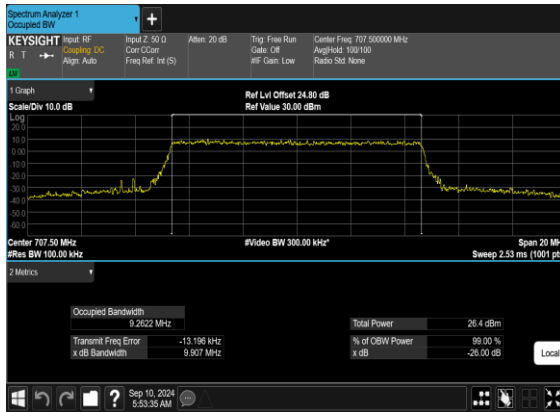


N12(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

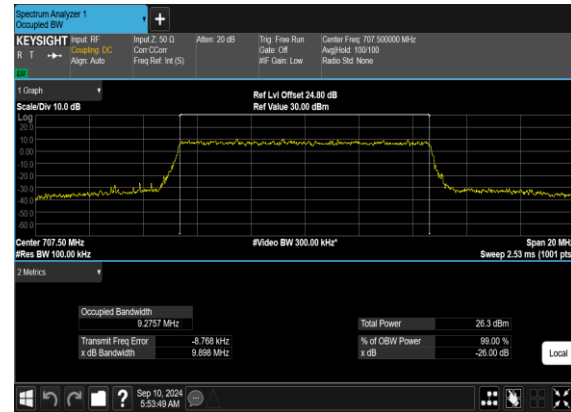




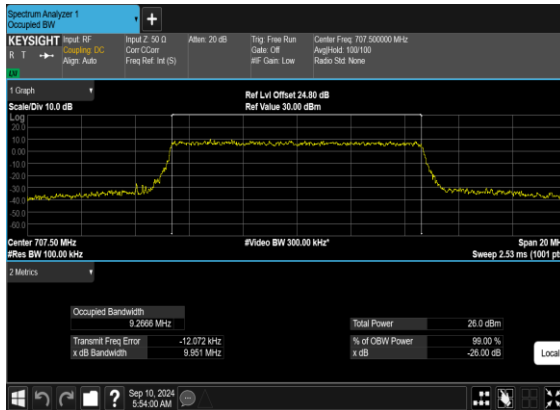
N12(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



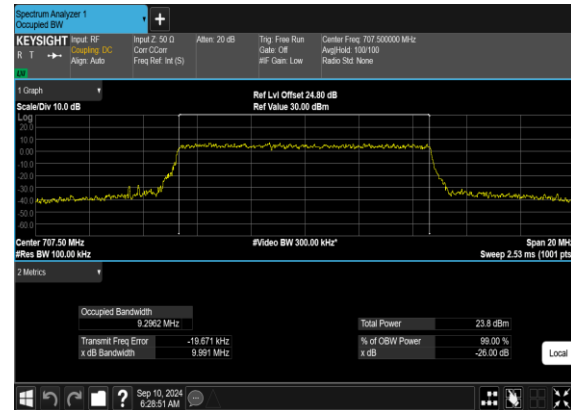
N12(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N12(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

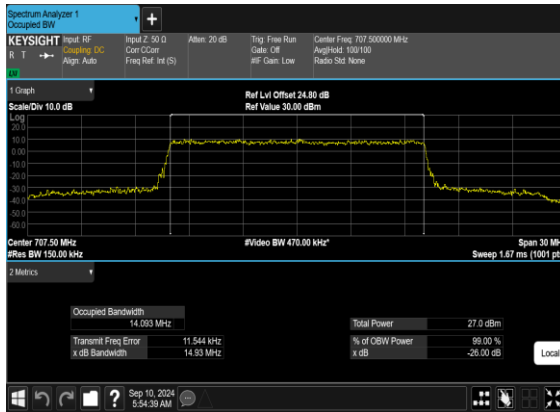


N12(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

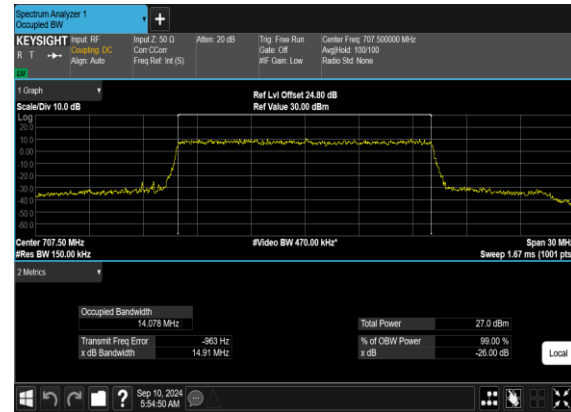




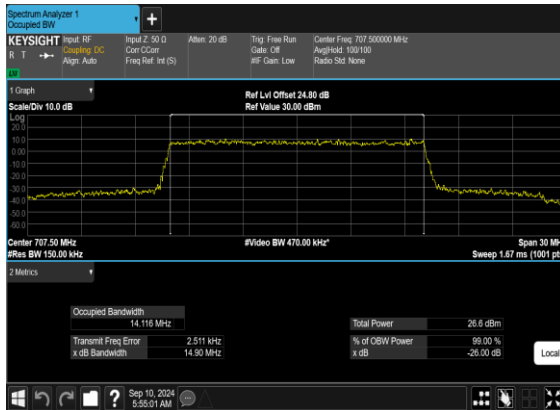
N12(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



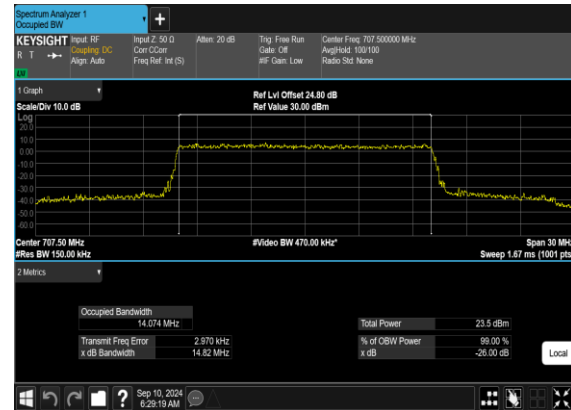
N12(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N12(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N12(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

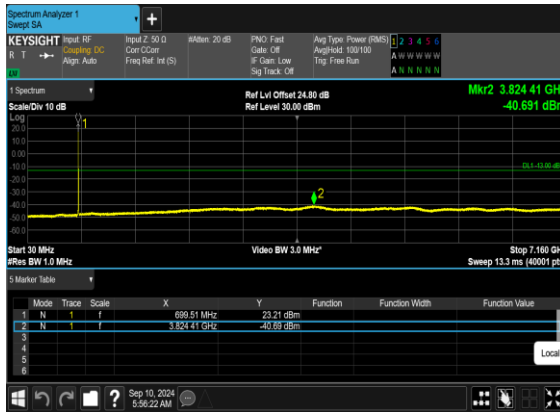
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
12	15	5	140300	701.5	DFT-s-OFDM BPSK	1@0	see graph	---
12	15	5	140300	701.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	5	140300	701.5	DFT-s-OFDM QPSK	1@0	see graph	---
12	15	5	140300	701.5	DFT-s-OFDM QPSK	1@0	see graph	PASS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



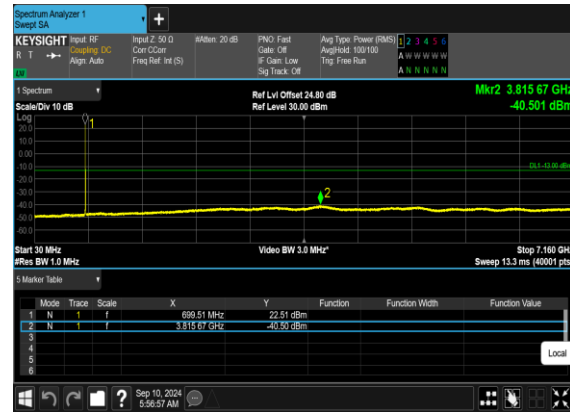
12	15	10	142200	711.0	DFT-s-OFDM BPSK	1@0	see graph	---
12	15	10	142200	711.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	10	142200	711.0	DFT-s-OFDM QPSK	1@0	see graph	---
12	15	10	142200	711.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
12	15	15	141300	706.5	DFT-s-OFDM BPSK	1@0	see graph	---
12	15	15	141300	706.5	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



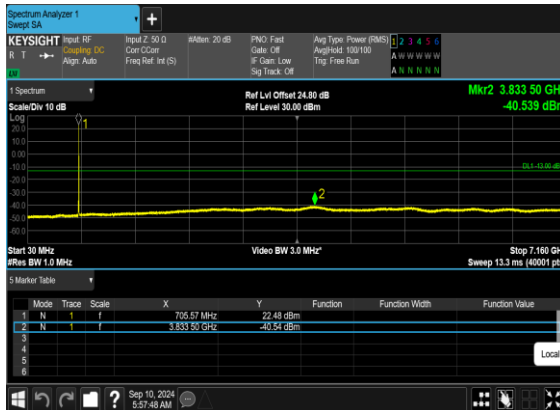
N12(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



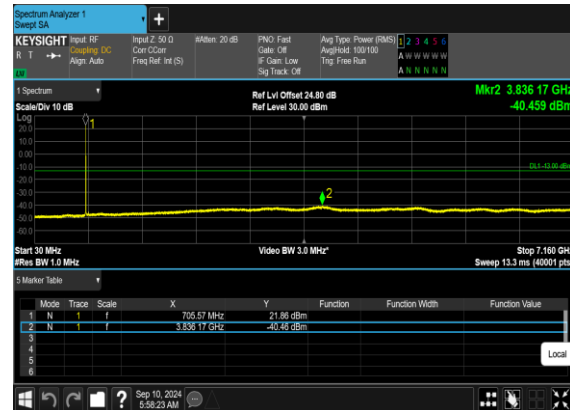
N12(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

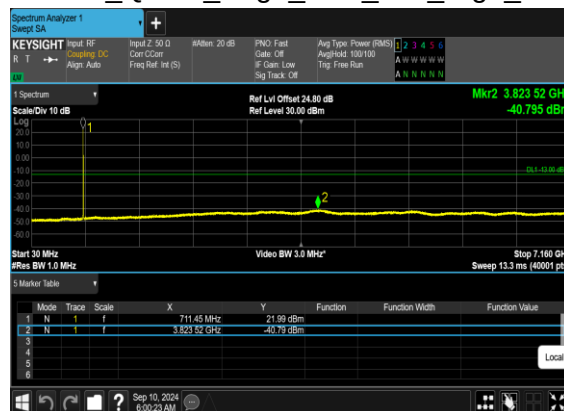
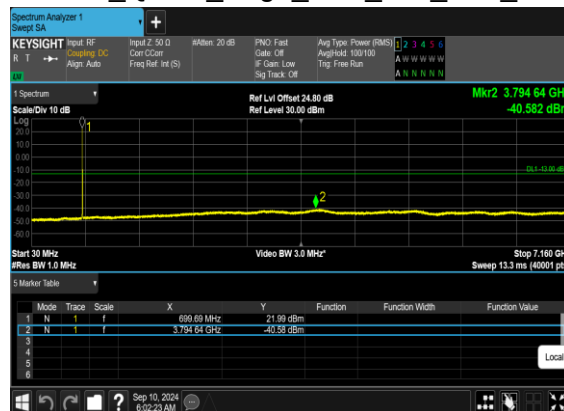


N12(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



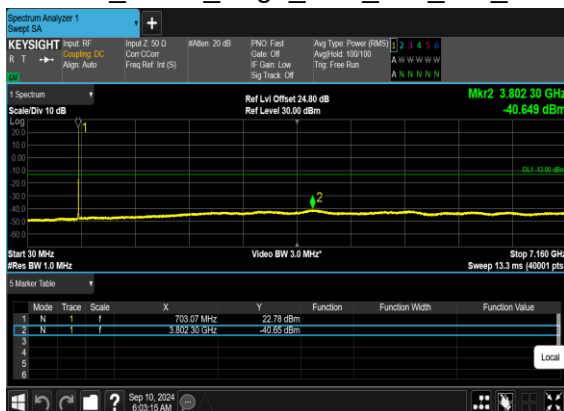
N12(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



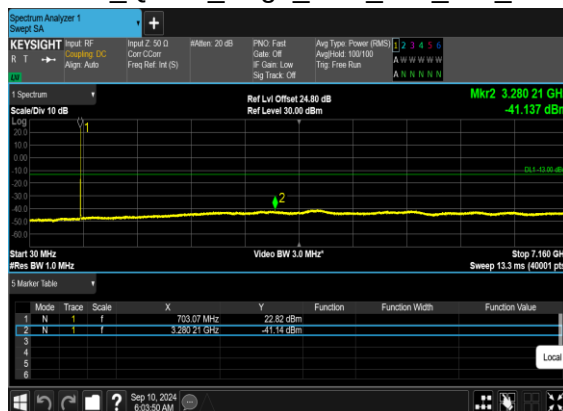
N12(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN12(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CHN12(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN12(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N12(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



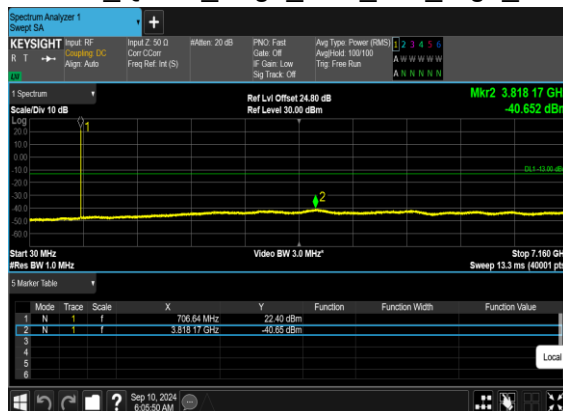
N12(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N12(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH

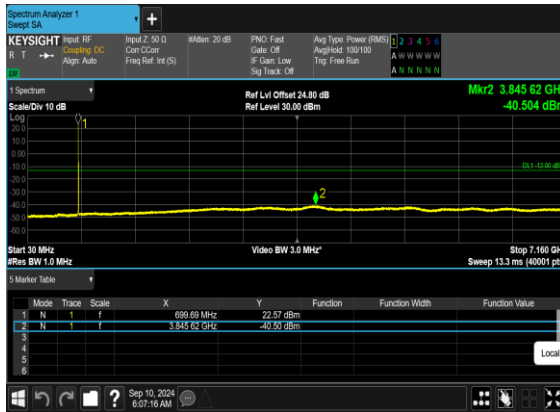


N12(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

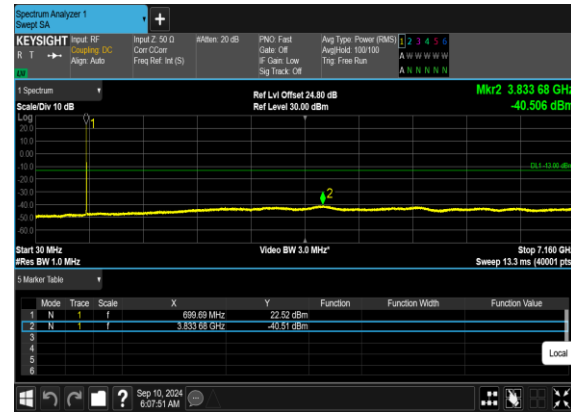




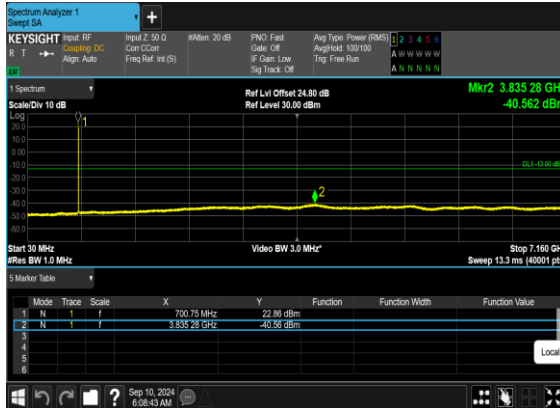
N12(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



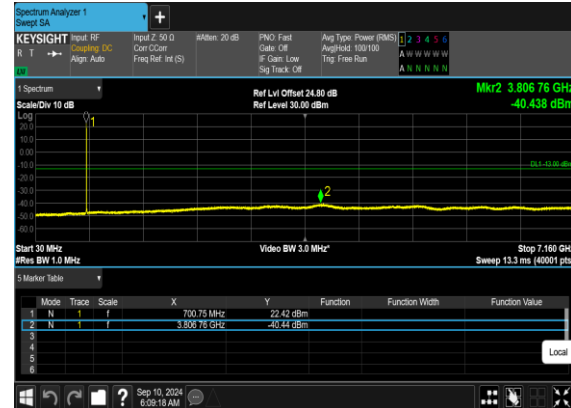
N12(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N12(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

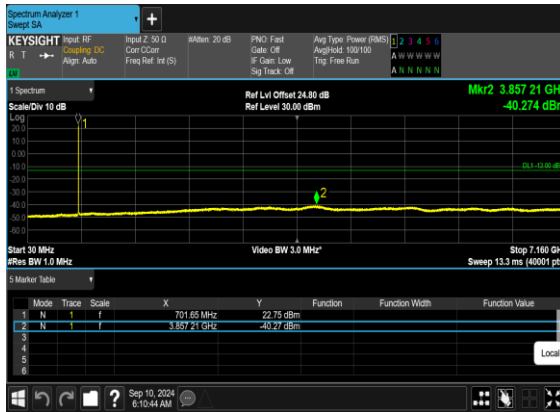


N12(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

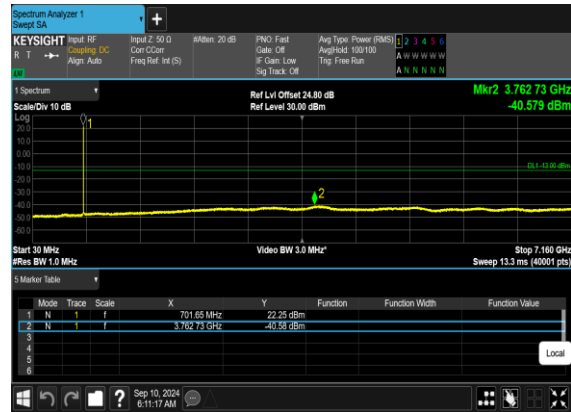




N12(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N12(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH





Conducted Band Edge

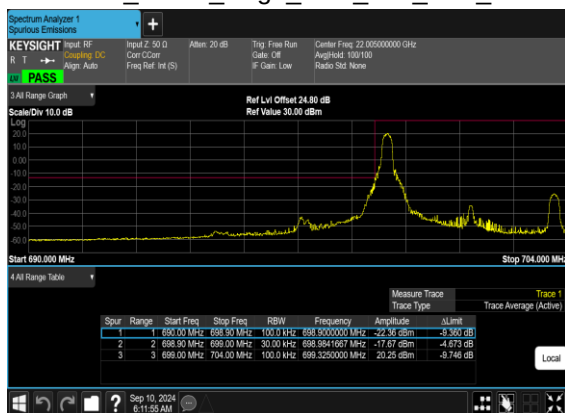
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
12	15	5	140300	701.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	5	140300	701.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
12	15	5	140300	701.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
12	15	5	140300	701.5	DFT-s-OFDM QPSK	25@0	see graph	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



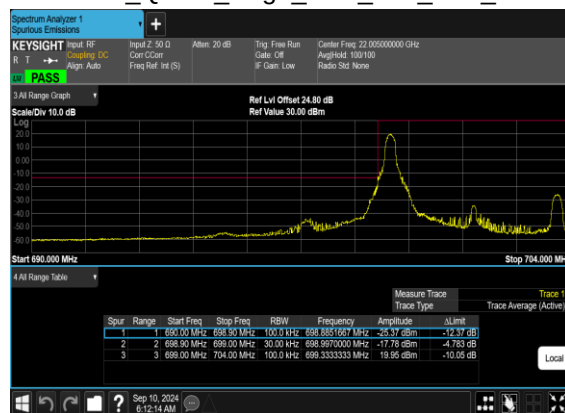
12	15	15	141700	708.5	DFT-s-OFDM BPSK	1@78	see graph	PASS
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@78	see graph	PASS
12	15	15	141700	708.5	DFT-s-OFDM BPSK	75@0	see graph	PASS
12	15	15	141700	708.5	DFT-s-OFDM QPSK	75@0	see graph	PASS



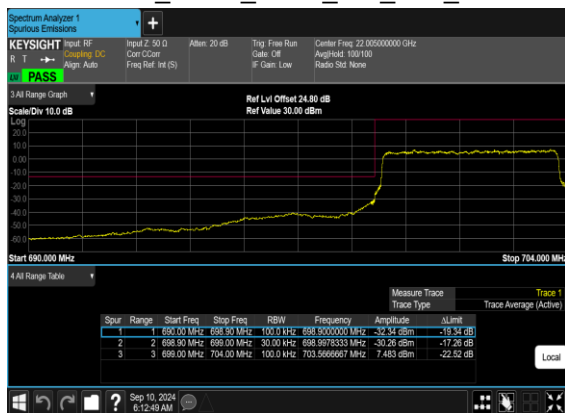
N12(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



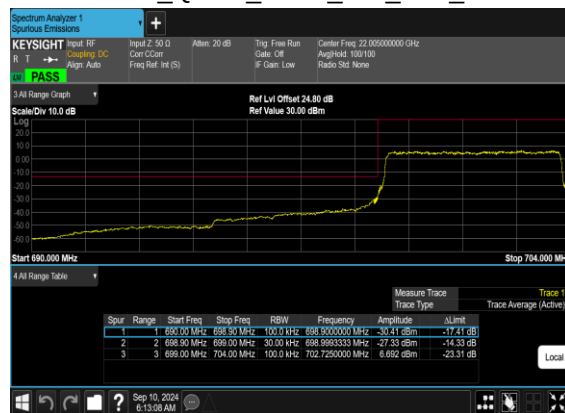
N12(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N12(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

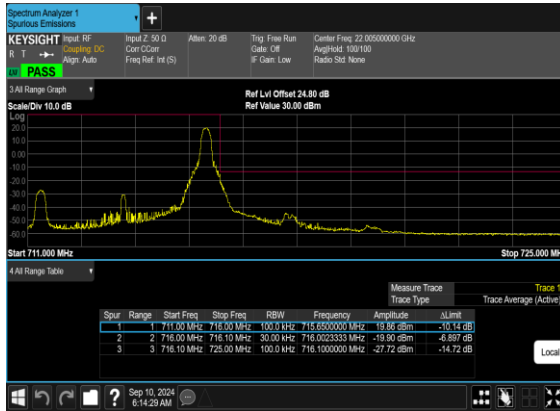


N12(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

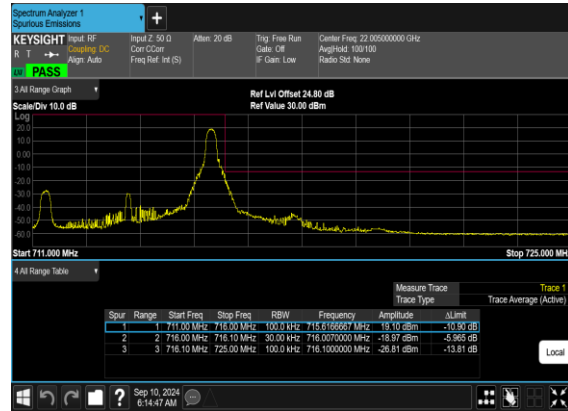




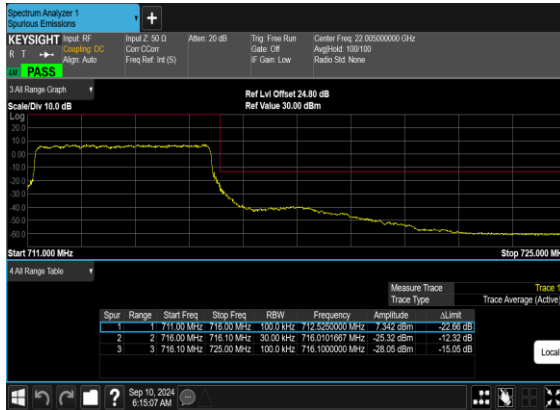
N12(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



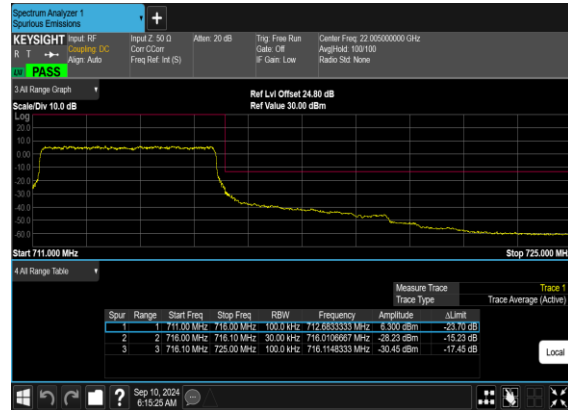
N12(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N12(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

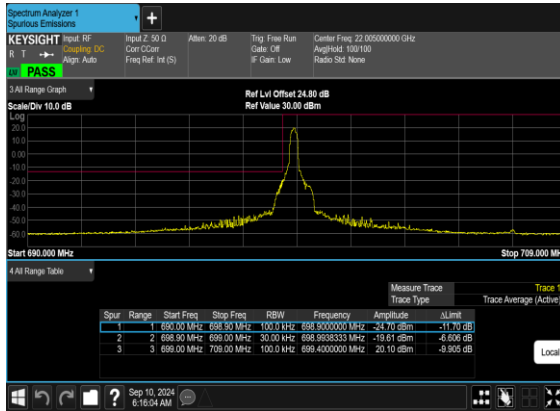


N12(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

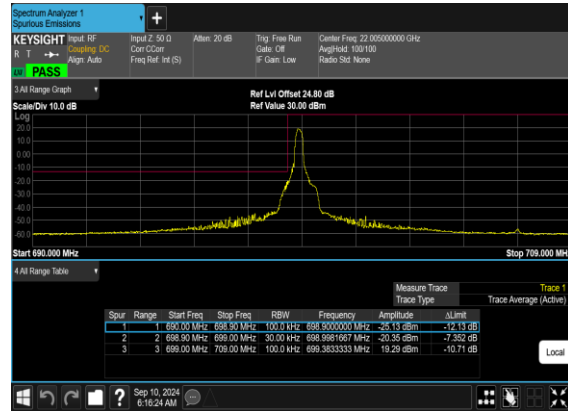




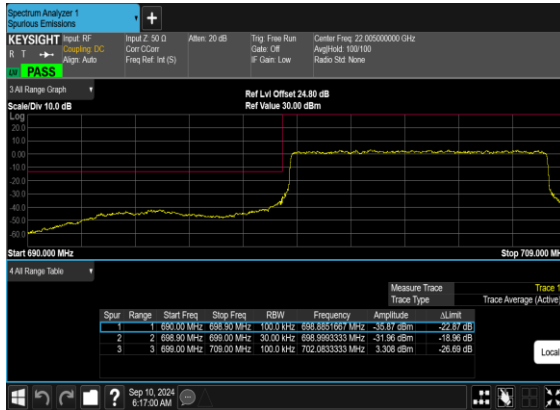
N12(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



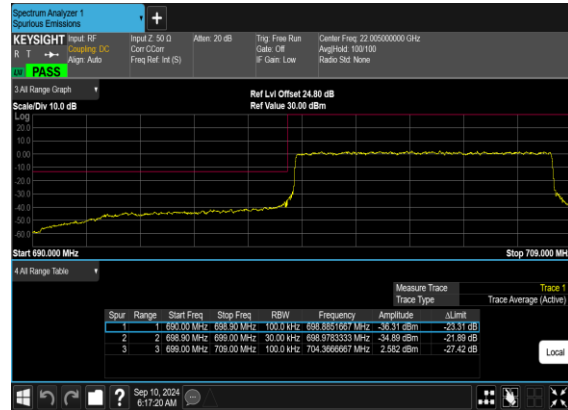
N12(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N12(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

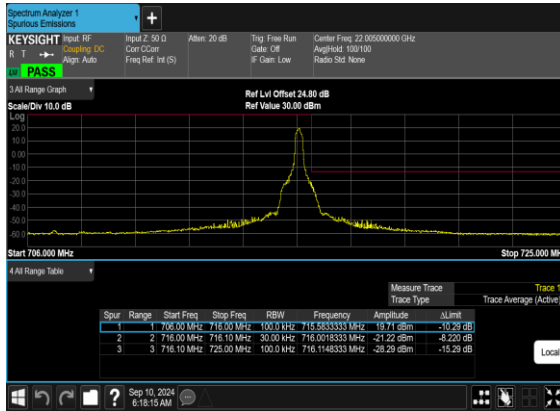


N12(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

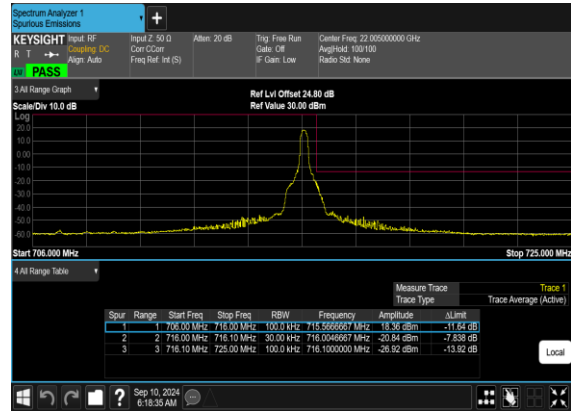




N12(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N12(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N12(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

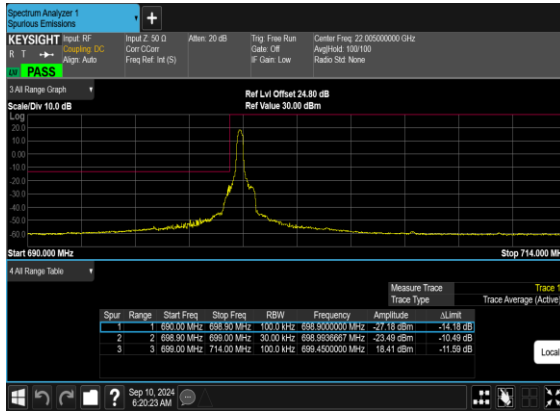


N12(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

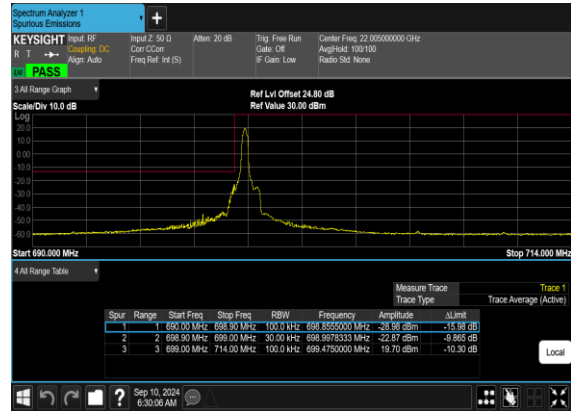




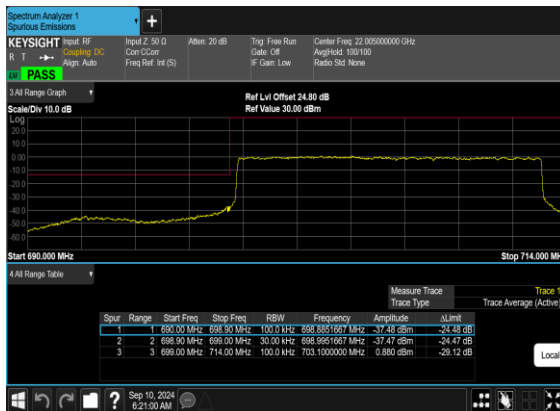
N12(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N12(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N12(15M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

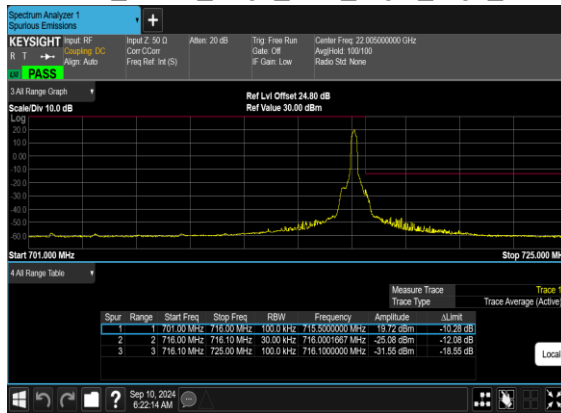


N12(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

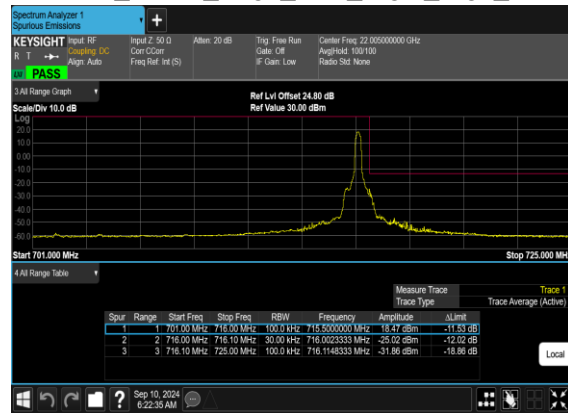




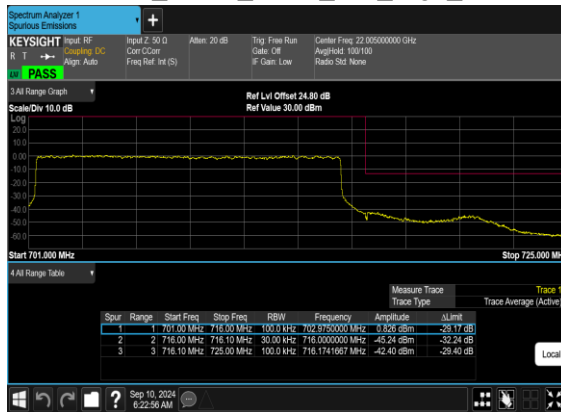
N12(15M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



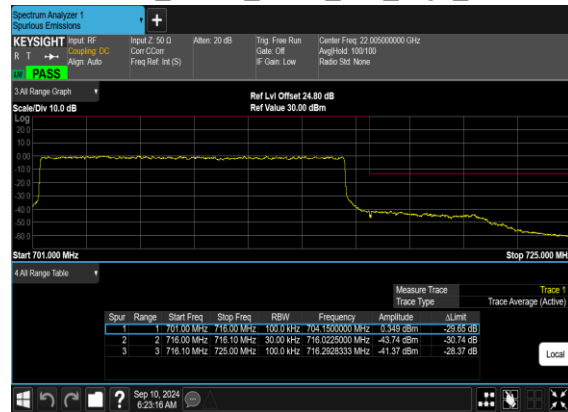
N12(15M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N12(15M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N12(15M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N13

Transmitter Conducted Output Power And ERP, (G_T - L_C)=-9.1dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
13	15	5	149700	779.5	DFT-s-OFDM PI/2 BPSK	1@1	24.31	13.06	0.0202
13	15	5	149700	779.5	DFT-s-OFDM QPSK	1@1	24.25	13.00	0.0200
13	15	5	149700	779.5	DFT-s-OFDM 16 QAM	1@1	23.26	12.01	0.0159
13	15	5	150200	782	DFT-s-OFDM PI/2 BPSK	1@1	24.28	13.03	0.0201
13	15	5	150200	782	DFT-s-OFDM QPSK	1@1	24.32	13.07	0.0203
13	15	5	150200	782	DFT-s-OFDM 16 QAM	1@1	23.36	12.11	0.0163
13	15	5	150700	784.5	DFT-s-OFDM PI/2 BPSK	1@1	24.38	13.13	0.0206
13	15	5	150700	784.5	DFT-s-OFDM QPSK	1@1	24.74	13.49	0.0223
13	15	5	150700	784.5	DFT-s-OFDM 16 QAM	1@1	23.28	12.03	0.0160
13	15	10	150200	782	DFT-s-OFDM PI/2 BPSK	25@12	22.81	11.56	0.0143
13	15	10	150200	782	DFT-s-OFDM PI/2 BPSK	1@1	24.01	12.76	0.0189
13	15	10	150200	782	DFT-s-OFDM PI/2 BPSK	1@50	24.18	12.93	0.0196
13	15	10	150200	782	DFT-s-OFDM QPSK	25@12	24.38	13.13	0.0206
13	15	10	150200	782	DFT-s-OFDM QPSK	1@1	24.05	12.80	0.0191
13	15	10	150200	782	DFT-s-OFDM QPSK	1@50	24.26	13.01	0.0200
13	15	10	150200	782	DFT-s-OFDM 16 QAM	25@12	23.54	12.29	0.0169
13	15	10	150200	782	DFT-s-OFDM 16 QAM	1@1	23.03	11.78	0.0151
13	15	10	150200	782	DFT-s-OFDM 16 QAM	1@50	23.08	11.83	0.0152
13	15	10	150200	782	DFT-s-OFDM 64 QAM	25@12	22.28	11.03	0.0127
13	15	10	150200	782	DFT-s-OFDM 64 QAM	1@1	21.66	10.41	0.0110
13	15	10	150200	782	DFT-s-OFDM 64 QAM	1@50	21.78	10.53	0.0113
13	15	10	150200	782	DFT-s-OFDM 256 QAM	25@12	20.70	9.45	0.0088
13	15	10	150200	782	DFT-s-OFDM 256 QAM	1@1	19.13	7.88	0.0061
13	15	10	150200	782	DFT-s-OFDM 256 QAM	1@50	19.33	8.08	0.0064
13	15	10	150200	782	CP-OFDM QPSK	26@13	22.84	11.59	0.0144
13	15	10	150200	782	CP-OFDM QPSK	1@1	22.47	11.22	0.0132
13	15	10	150200	782	CP-OFDM QPSK	1@50	22.71	11.46	0.0140



Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
13	15	10	150200	782.0	DFT-s-OFDM QPSK	75@0	0.0048	PASS	NV
13	15	10	150200	782.0	DFT-s-OFDM QPSK	75@0	-0.0035	PASS	LV
13	15	10	150200	782.0	DFT-s-OFDM QPSK	75@0	0.0021	PASS	HV
13	15	10	150200	782.0	DFT-s-OFDM QPSK	75@0	0.0045	PASS	-30°C
13	15	10	150200	782.0	DFT-s-OFDM QPSK	75@0	-0.0003	PASS	-20°C
13	15	10	150200	782.0	DFT-s-OFDM QPSK	75@0	0.0032	PASS	-10°C
13	15	10	150200	782.0	DFT-s-OFDM QPSK	75@0	-0.0047	PASS	0°C
13	15	10	150200	782.0	DFT-s-OFDM QPSK	75@0	0.0055	PASS	10°C
13	15	10	150200	782.0	DFT-s-OFDM QPSK	75@0	-0.0026	PASS	20°C
13	15	10	150200	782.0	DFT-s-OFDM QPSK	75@0	0.0032	PASS	30°C
13	15	10	150200	782.0	DFT-s-OFDM QPSK	75@0	-0.0018	PASS	40°C
13	15	10	150200	782.0	DFT-s-OFDM QPSK	75@0	0.0015	PASS	50°C

**Peak to Average Ratio**

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
13	15	10	150200	782.0	DFT-s-OFDM PI/2 BPSK	50@0	4.15	13	PASS
13	15	10	150200	782.0	DFT-s-OFDM PI/2 BPSK	1@0	3.39	13	PASS
13	15	10	150200	782.0	DFT-s-OFDM QPSK	50@0	5.36	13	PASS
13	15	10	150200	782.0	DFT-s-OFDM QPSK	1@0	4.84	13	PASS



N13(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N13(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



N13(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N13(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

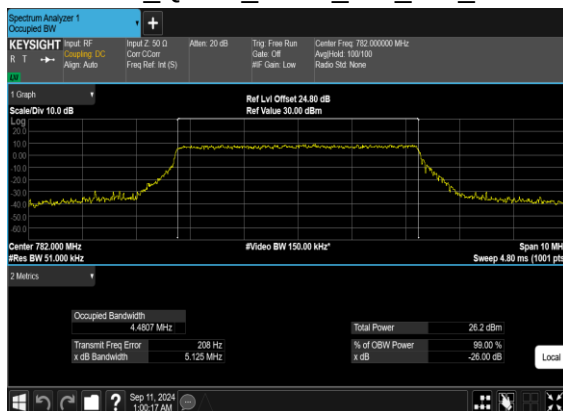


**Occupied Bandwidth**

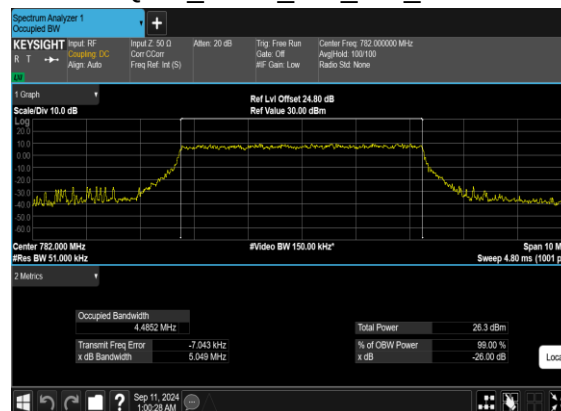
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
13	15	5	150200	782.0	CP-OFDM QPSK	25@0	4.4807	5.125
13	15	5	150200	782.0	CP-OFDM 16 QAM	25@0	4.4852	5.049
13	15	5	150200	782.0	CP-OFDM 64 QAM	25@0	4.4882	5.212
13	15	5	150200	782.0	CP-OFDM 256 QAM	25@0	4.4694	5.108
13	15	10	150200	782.0	CP-OFDM QPSK	52@0	9.2715	9.904
13	15	10	150200	782.0	CP-OFDM 16 QAM	52@0	9.2507	9.876
13	15	10	150200	782.0	CP-OFDM 64 QAM	52@0	9.2579	9.93
13	15	10	150200	782.0	CP-OFDM 256 QAM	52@0	9.2663	10.03



N13(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



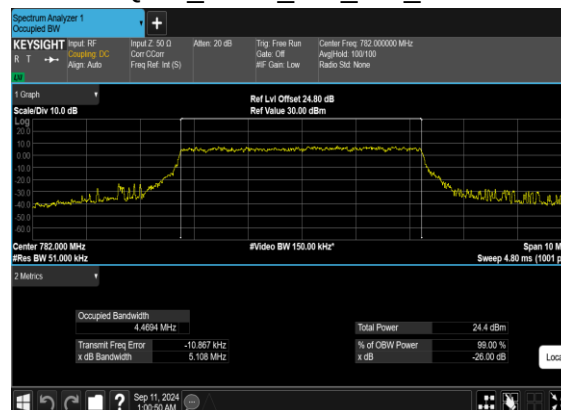
N13(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N13(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

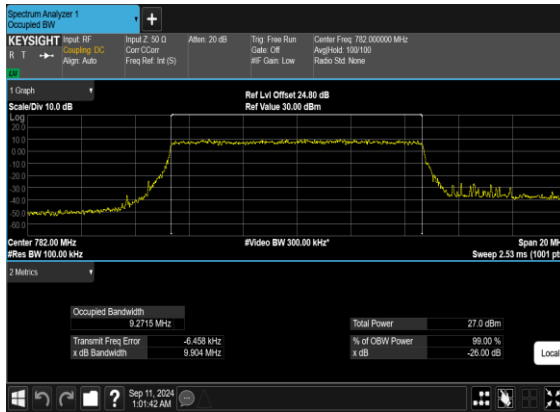


N13(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

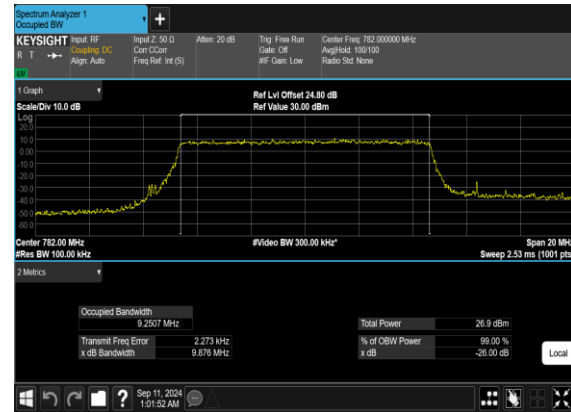




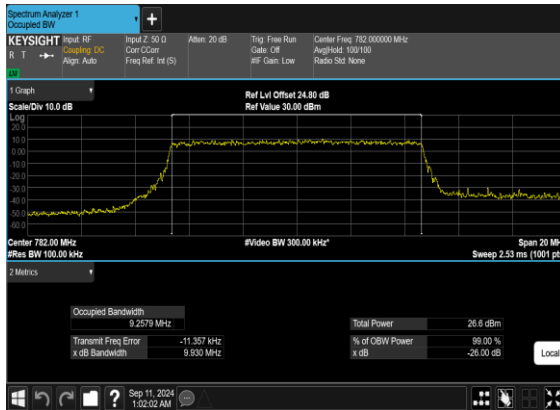
N13(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



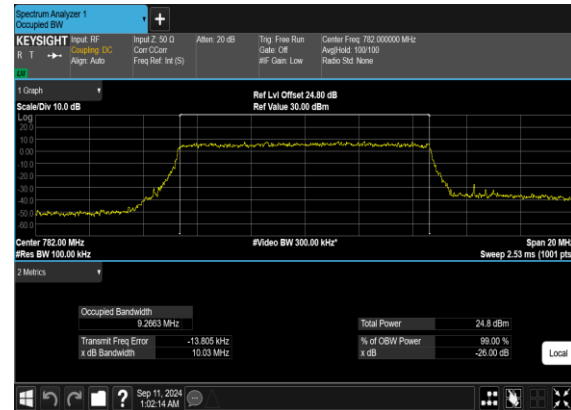
N13(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N13(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N13(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



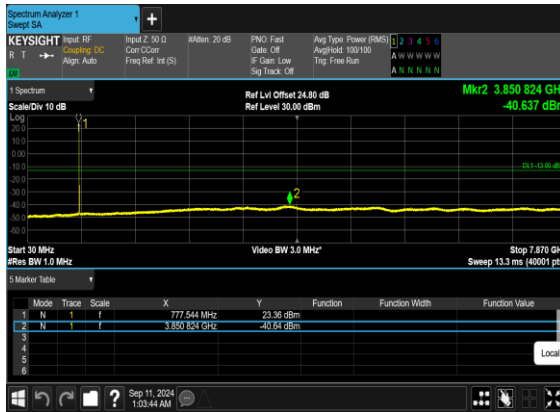


Conducted Spurious Emissions

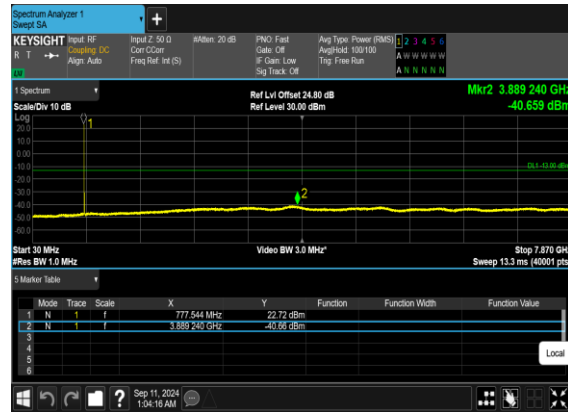
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
13	15	5	149700	779.5	DFT-s-OFDM BPSK	1@0	see graph	---
13	15	5	149700	779.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
13	15	5	149700	779.5	DFT-s-OFDM QPSK	1@0	see graph	---
13	15	5	149700	779.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
13	15	5	150200	782.0	DFT-s-OFDM BPSK	1@0	see graph	---
13	15	5	150200	782.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
13	15	5	150200	782.0	DFT-s-OFDM QPSK	1@0	see graph	---
13	15	5	150200	782.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
13	15	5	150700	784.5	DFT-s-OFDM BPSK	1@0	see graph	---
13	15	5	150700	784.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
13	15	5	150700	784.5	DFT-s-OFDM QPSK	1@0	see graph	---
13	15	5	150700	784.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
13	15	10	150200	782.0	DFT-s-OFDM BPSK	1@0	see graph	---
13	15	10	150200	782.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
13	15	10	150200	782.0	DFT-s-OFDM QPSK	1@0	see graph	---
13	15	10	150200	782.0	DFT-s-OFDM QPSK	1@0	see graph	PASS



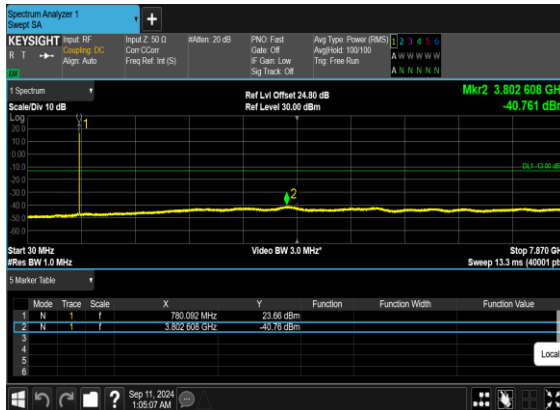
N13(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N13(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N13(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N13(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

