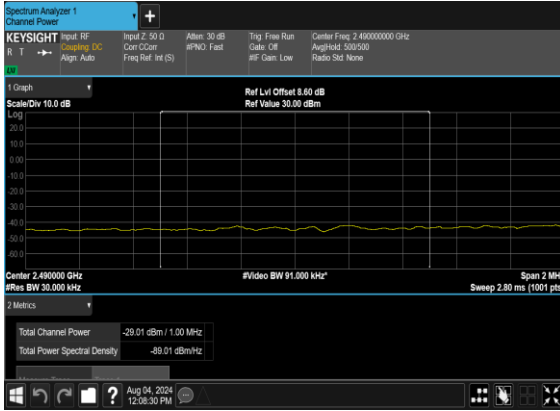
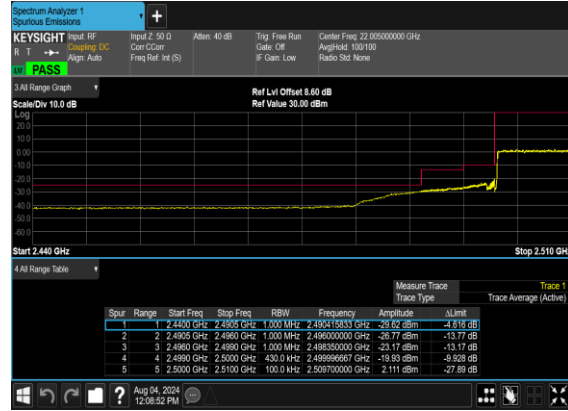




N7(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH_CHP_PASS



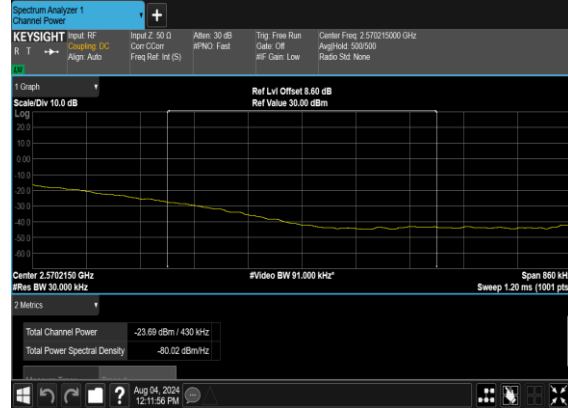
N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

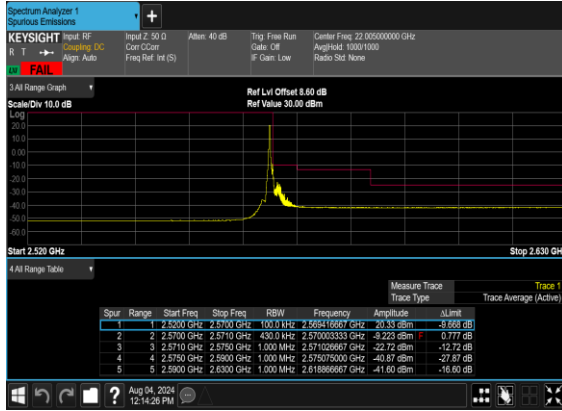


N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_ch P_PASS

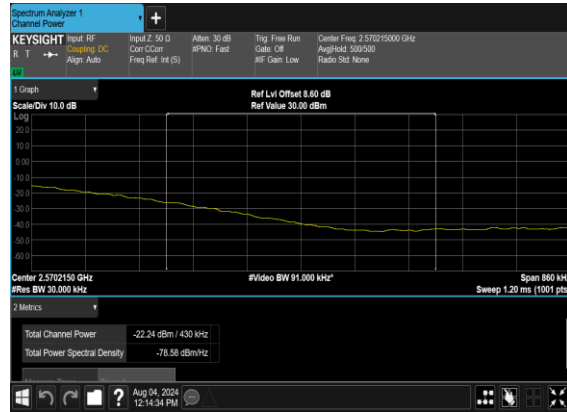




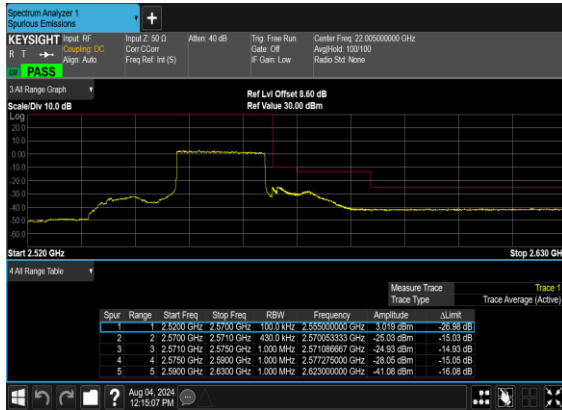
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



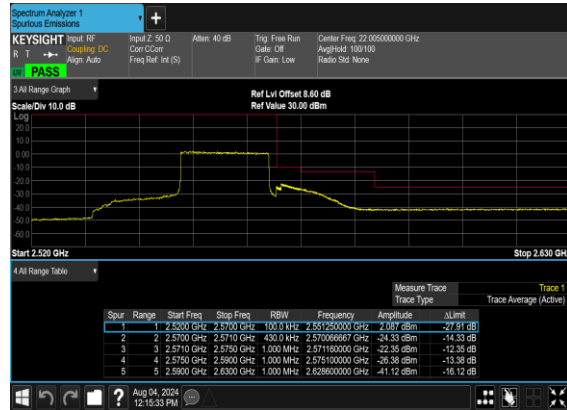
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_ch P_PASS



N7(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

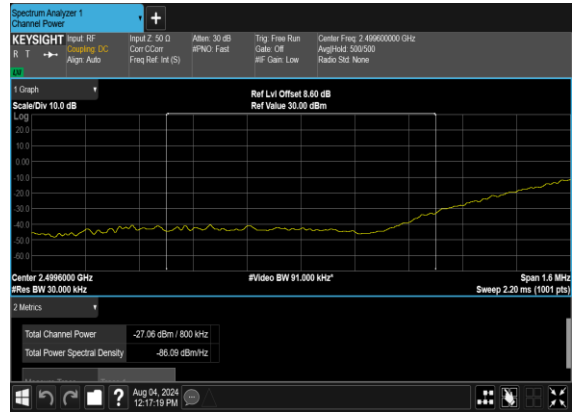




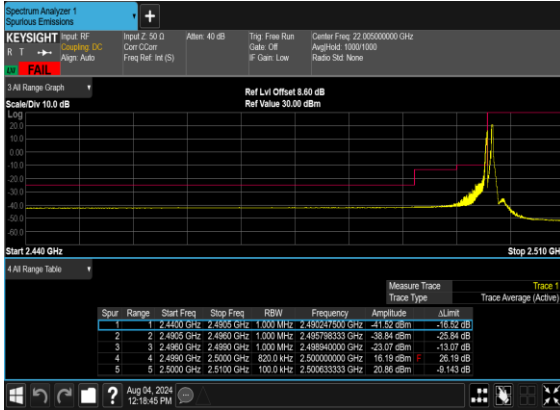
N7(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



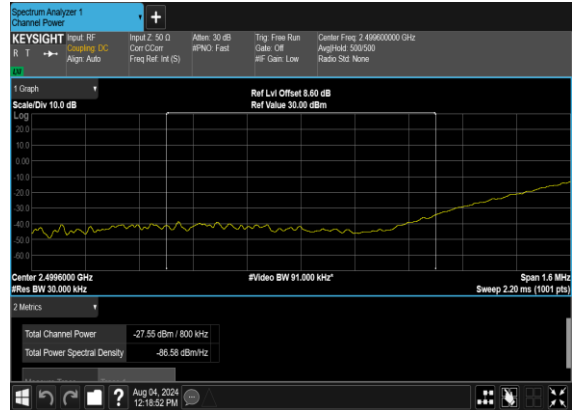
N7(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



N7(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

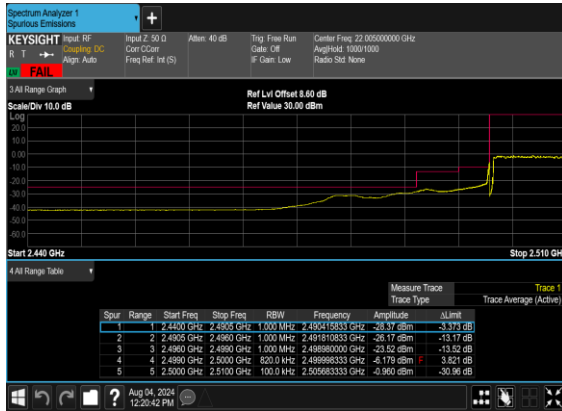


N7(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS





N7(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



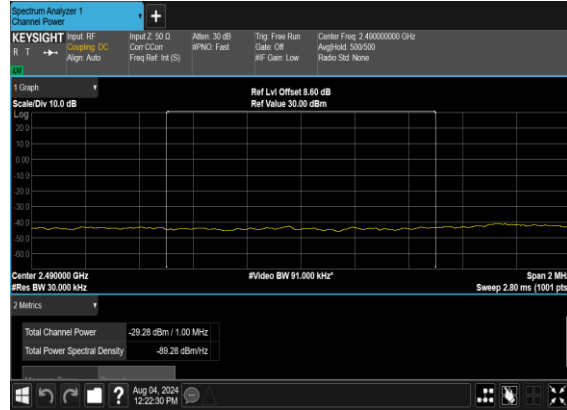
N7(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH_CHP_PASS



N7(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

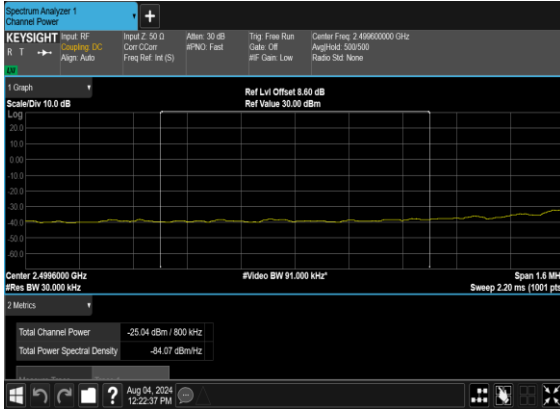


N7(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH_CHP_PASS

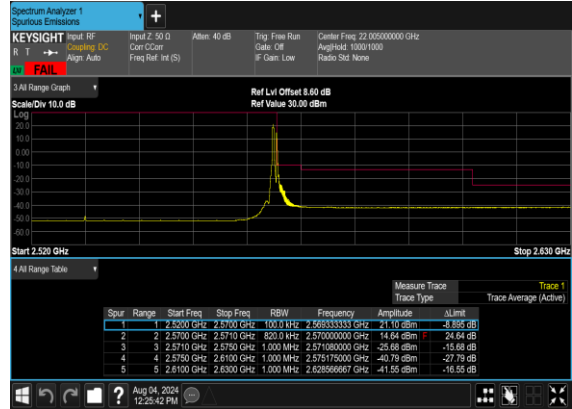




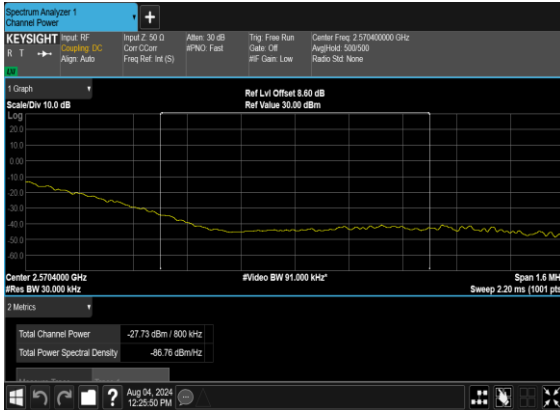
N7(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH_CHP_PASS



N7(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N7(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_ch P_PASS

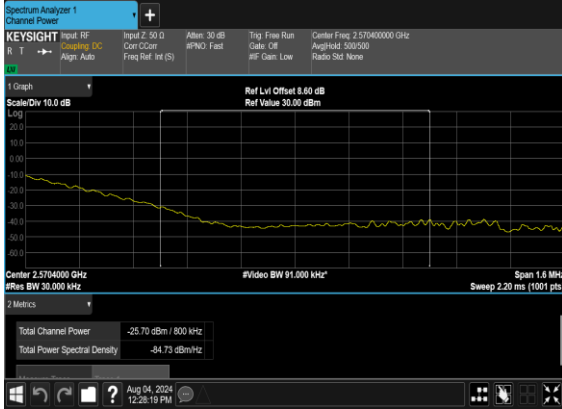


N7(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

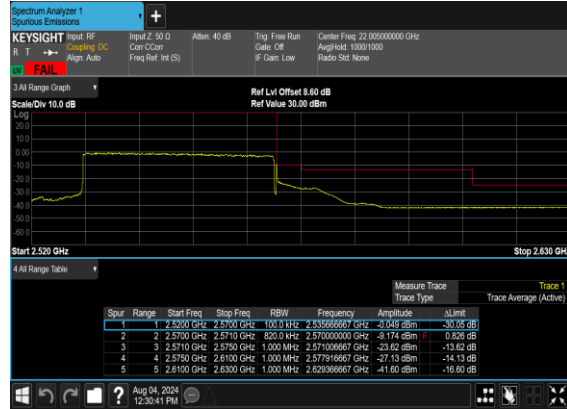




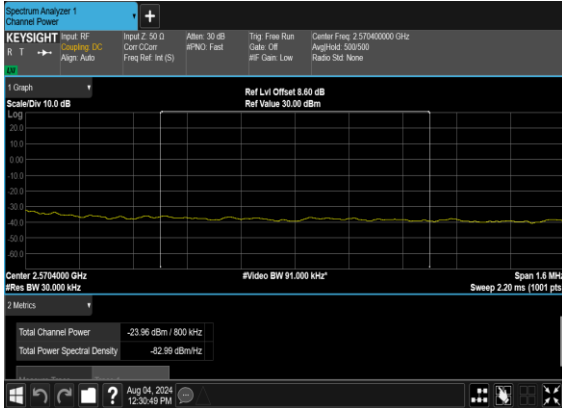
N7(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_ch P_PASS



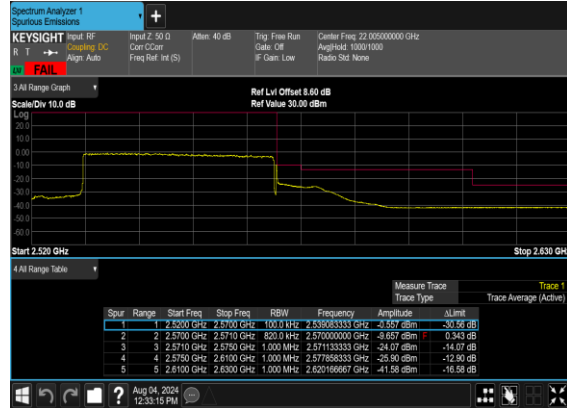
N7(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N7(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH_CHP_PASS

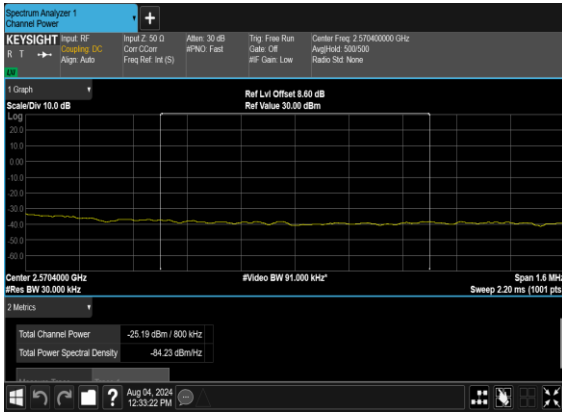


N7(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





N7(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH_CHP_PASS





FR1 N12-SCS 15k

Transmitter Conducted Output Power And ERP, (G_T - L_C)=1.61dB

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	25.09	24.55	0.2851
12	15	5	140300	701.5	DFT-s-OFDM 16 QAM	1@1	24.22	23.68	0.2333
12	15	5	141500	707.5	DFT-s-OFDM QPSK	1@1	24.96	24.42	0.2767
12	15	5	141500	707.5	DFT-s-OFDM 16 QAM	1@1	24.09	23.55	0.2265
12	15	5	142700	713.5	DFT-s-OFDM QPSK	1@1	24.75	24.21	0.2636
12	15	5	142700	713.5	DFT-s-OFDM 16 QAM	1@1	23.94	23.4	0.2188
12	15	10	140800	704	DFT-s-OFDM QPSK	1@1	25.1	24.56	0.2858
12	15	10	140800	704	DFT-s-OFDM 16 QAM	1@1	24.11	23.57	0.2275
12	15	10	141500	707.5	DFT-s-OFDM QPSK	1@1	25.13	24.59	0.2877
12	15	10	141500	707.5	DFT-s-OFDM 16 QAM	1@1	24.2	23.66	0.2323
12	15	10	142200	711	DFT-s-OFDM QPSK	1@1	25.07	24.53	0.2838
12	15	10	142200	711	DFT-s-OFDM 16 QAM	1@1	24.12	23.58	0.2280
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	36@18	25.06	24.52	0.2831
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	1@1	25.09	24.55	0.2851
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	1@77	24.76	24.22	0.2642
12	15	15	141300	706.5	DFT-s-OFDM QPSK	36@18	25	24.46	0.2793
12	15	15	141300	706.5	DFT-s-OFDM QPSK	1@1	25.11	24.57	0.2864
12	15	15	141300	706.5	DFT-s-OFDM QPSK	1@77	24.98	24.44	0.2780
12	15	15	141300	706.5	DFT-s-OFDM 16 QAM	36@18	23.96	23.42	0.2198
12	15	15	141300	706.5	DFT-s-OFDM 16 QAM	1@1	24.17	23.63	0.2307
12	15	15	141300	706.5	DFT-s-OFDM 16 QAM	1@77	23.99	23.45	0.2213
12	15	15	141300	706.5	DFT-s-OFDM 64 QAM	36@18	22.57	22.03	0.1596
12	15	15	141300	706.5	DFT-s-OFDM 64 QAM	1@1	22.75	22.21	0.1663
12	15	15	141300	706.5	DFT-s-OFDM 64 QAM	1@77	22.48	21.94	0.1563
12	15	15	141300	706.5	DFT-s-OFDM 256 QAM	36@18	20.56	20.02	0.1005
12	15	15	141300	706.5	DFT-s-OFDM 256 QAM	1@1	20.5	19.96	0.0991
12	15	15	141300	706.5	DFT-s-OFDM 256 QAM	1@77	20.22	19.68	0.0929
12	15	15	141300	706.5	CP-OFDM QPSK	39@19	23.45	22.91	0.1954
12	15	15	141300	706.5	CP-OFDM QPSK	1@1	23.59	23.05	0.2018
12	15	15	141300	706.5	CP-OFDM QPSK	1@77	23.17	22.63	0.1832
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	36@18	25.15	24.61	0.2891
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@1	25.02	24.48	0.2805
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@77	24.77	24.23	0.2649



12	15	15	141500	707.5	DFT-s-OFDM QPSK	36@18	24.96	24.42	0.2767
12	15	15	141500	707.5	DFT-s-OFDM QPSK	1@1	25.13	24.59	0.2877
12	15	15	141500	707.5	DFT-s-OFDM QPSK	1@77	24.92	24.38	0.2742
12	15	15	141500	707.5	DFT-s-OFDM 16 QAM	36@18	23.92	23.38	0.2178
12	15	15	141500	707.5	DFT-s-OFDM 16 QAM	1@1	24.21	23.67	0.2328
12	15	15	141500	707.5	DFT-s-OFDM 16 QAM	1@77	24.05	23.51	0.2244
12	15	15	141500	707.5	DFT-s-OFDM 64 QAM	36@18	22.46	21.92	0.1556
12	15	15	141500	707.5	DFT-s-OFDM 64 QAM	1@1	22.72	22.18	0.1652
12	15	15	141500	707.5	DFT-s-OFDM 64 QAM	1@77	22.52	21.98	0.1578
12	15	15	141500	707.5	DFT-s-OFDM 256 QAM	36@18	20.49	19.95	0.0989
12	15	15	141500	707.5	DFT-s-OFDM 256 QAM	1@1	20.46	19.92	0.0982
12	15	15	141500	707.5	DFT-s-OFDM 256 QAM	1@77	20.12	19.58	0.0908
12	15	15	141500	707.5	CP-OFDM QPSK	39@19	23.41	22.87	0.1936
12	15	15	141500	707.5	CP-OFDM QPSK	1@1	23.57	23.03	0.2009
12	15	15	141500	707.5	CP-OFDM QPSK	1@77	23.27	22.73	0.1875
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	36@18	25.07	24.53	0.2838
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	1@1	25.13	24.59	0.2877
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	1@77	24.73	24.19	0.2624
12	15	15	141700	708.5	DFT-s-OFDM QPSK	36@18	24.99	24.45	0.2786
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@1	25.03	24.49	0.2812
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@77	24.92	24.38	0.2742
12	15	15	141700	708.5	DFT-s-OFDM 16 QAM	36@18	23.98	23.44	0.2208
12	15	15	141700	708.5	DFT-s-OFDM 16 QAM	1@1	24.15	23.61	0.2296
12	15	15	141700	708.5	DFT-s-OFDM 16 QAM	1@77	24.01	23.47	0.2223
12	15	15	141700	708.5	DFT-s-OFDM 64 QAM	36@18	22.45	21.91	0.1552
12	15	15	141700	708.5	DFT-s-OFDM 64 QAM	1@1	22.7	22.16	0.1644
12	15	15	141700	708.5	DFT-s-OFDM 64 QAM	1@77	22.53	21.99	0.1581
12	15	15	141700	708.5	DFT-s-OFDM 256 QAM	36@18	20.47	19.93	0.0984
12	15	15	141700	708.5	DFT-s-OFDM 256 QAM	1@1	20.57	20.03	0.1007
12	15	15	141700	708.5	DFT-s-OFDM 256 QAM	1@77	20.11	19.57	0.0906
12	15	15	141700	708.5	CP-OFDM QPSK	39@19	23.51	22.97	0.1982
12	15	15	141700	708.5	CP-OFDM QPSK	1@1	23.52	22.98	0.1986
12	15	15	141700	708.5	CP-OFDM QPSK	1@77	23.27	22.73	0.1875



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	0.0061	PASS	NV
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0070	PASS	LV
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0069	PASS	HV
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0060	PASS	-30°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0029	PASS	-20°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0052	PASS	-10°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0022	PASS	0°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0067	PASS	10°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0061	PASS	20°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0026	PASS	30°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0061	PASS	40°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0064	PASS	50°C



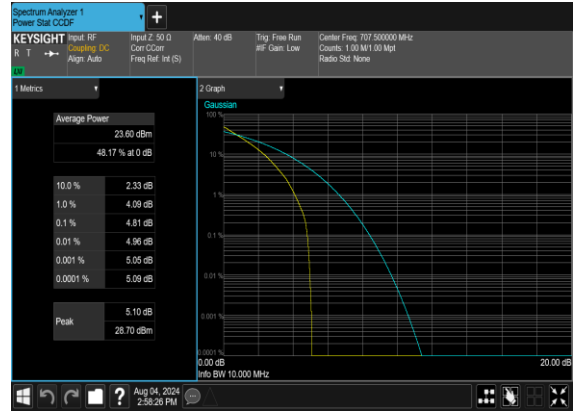
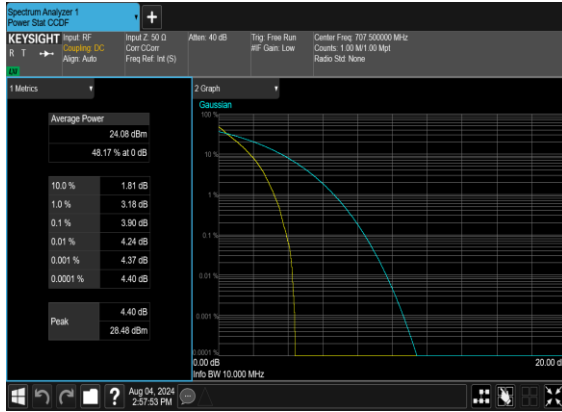
Peak to Average Ratio

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	3.9	13	PASS
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	4.81	13	PASS



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

N12(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



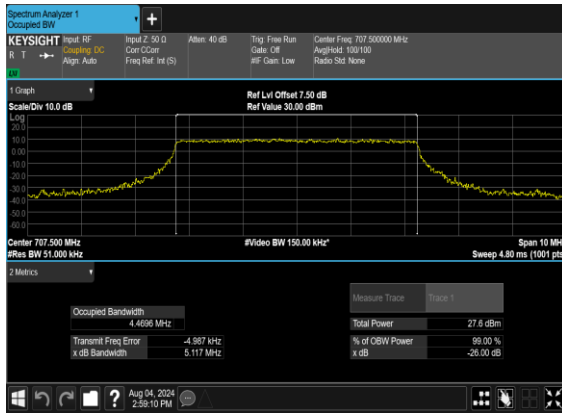


Occupied Bandwidth

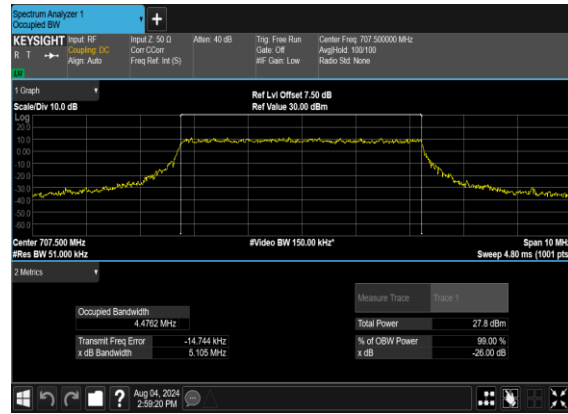
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
12	15	5	141500	707.5	CP-OFDM QPSK	25@0	4.4696	5.117
12	15	5	141500	707.5	CP-OFDM 16 QAM	25@0	4.4762	5.105
12	15	5	141500	707.5	CP-OFDM 64 QAM	25@0	4.4626	5.097
12	15	5	141500	707.5	CP-OFDM 256 QAM	25@0	4.4716	4.98
12	15	10	141500	707.5	CP-OFDM QPSK	52@0	9.2633	10.07
12	15	10	141500	707.5	CP-OFDM 16 QAM	52@0	9.2801	9.962
12	15	10	141500	707.5	CP-OFDM 64 QAM	52@0	9.2329	9.923
12	15	10	141500	707.5	CP-OFDM 256 QAM	52@0	9.2655	10.01
12	15	15	141500	707.5	CP-OFDM QPSK	79@0	14.095	14.89
12	15	15	141500	707.5	CP-OFDM 16 QAM	79@0	14.081	14.94
12	15	15	141500	707.5	CP-OFDM 64 QAM	79@0	14.099	14.77
12	15	15	141500	707.5	CP-OFDM 256 QAM	79@0	14.094	15.07



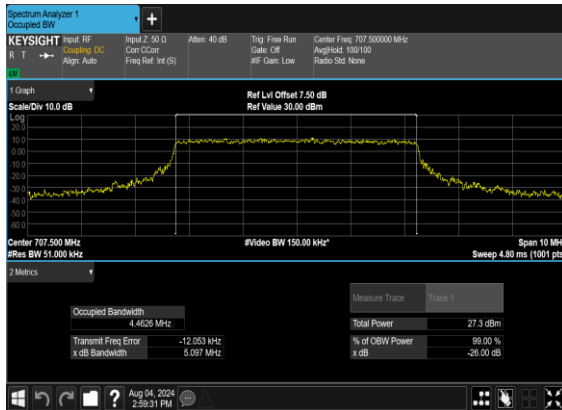
N12(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



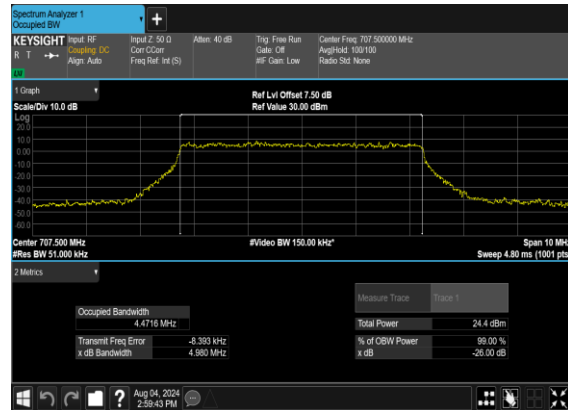
N12(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N12(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N12(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

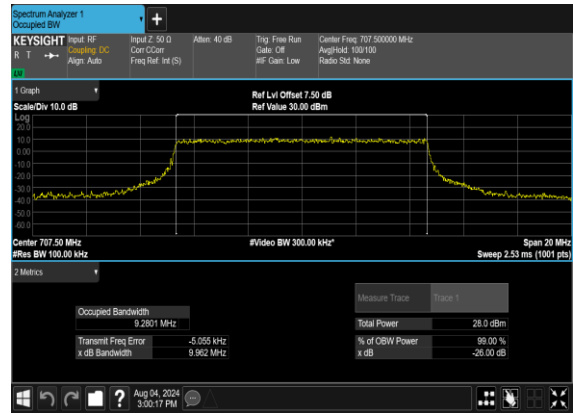




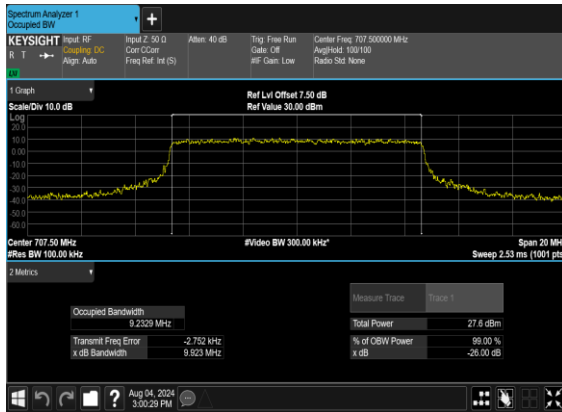
N12(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



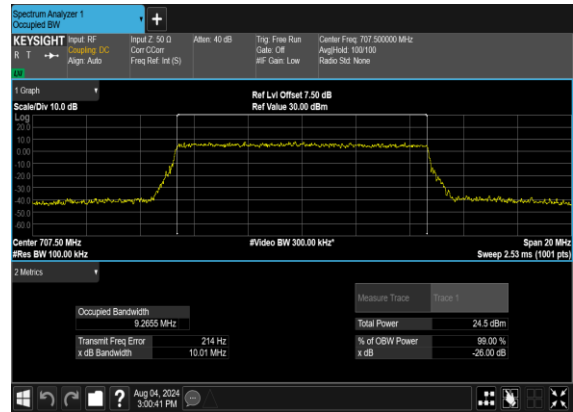
N12(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N12(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

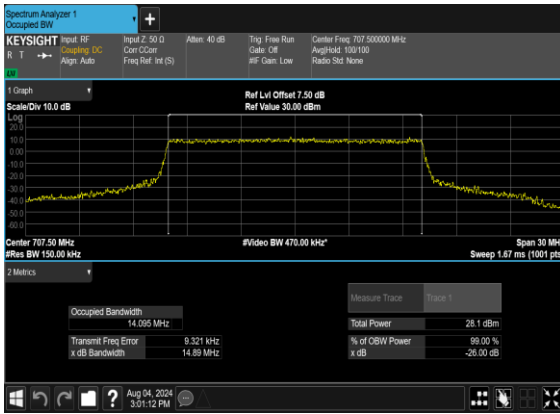


N12(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





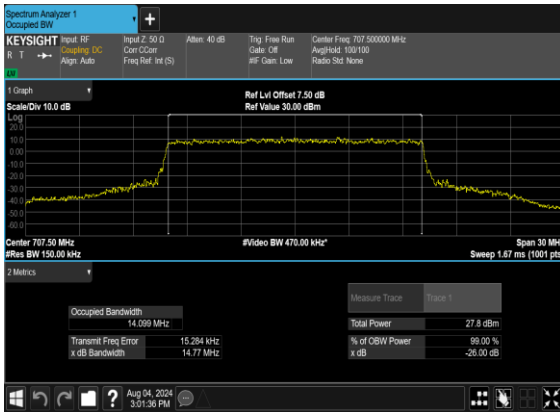
N12(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N12(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N12(15M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N12(15M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

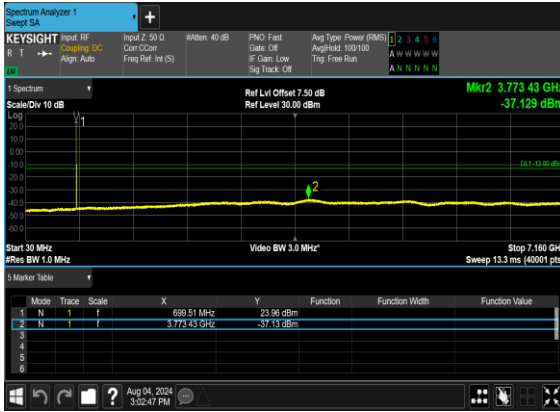
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
12	15	5	140300	701.5	DFT-s-OFDM BPSK	1@0	see graph	---
12	15	5	140300	701.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	5	140300	701.5	DFT-s-OFDM QPSK	1@0	see graph	---
12	15	5	140300	701.5	DFT-s-OFDM QPSK	1@0	see graph	PASS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



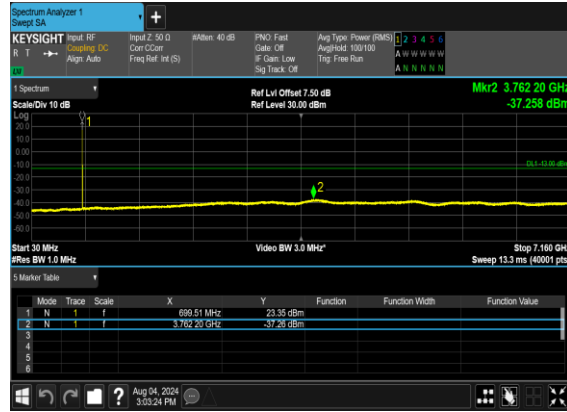
12	15	10	142200	711.0	DFT-s-OFDM BPSK	1@0	see graph	---
12	15	10	142200	711.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	10	142200	711.0	DFT-s-OFDM QPSK	1@0	see graph	---
12	15	10	142200	711.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
12	15	15	141300	706.5	DFT-s-OFDM BPSK	1@0	see graph	---
12	15	15	141300	706.5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



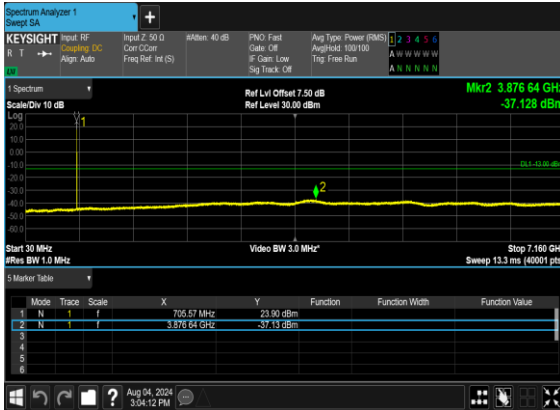
N12(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



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





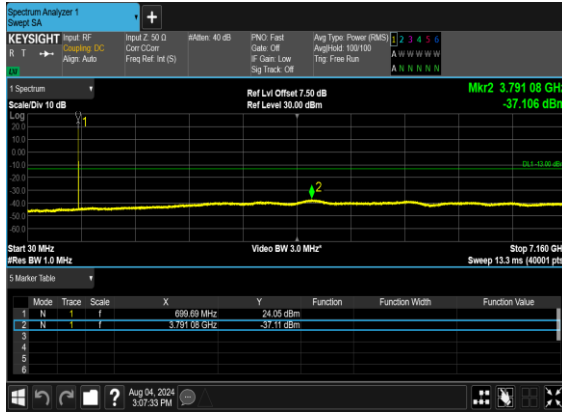
N12(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



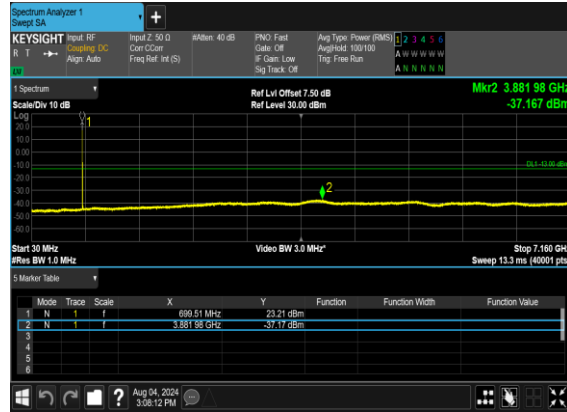
N12(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



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_Edge_1RB_Left_Mid_CH



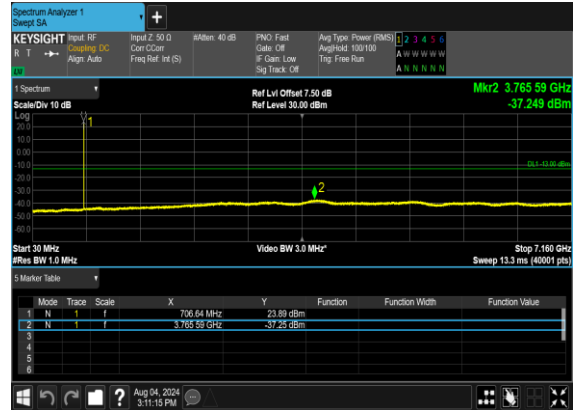
N12(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



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

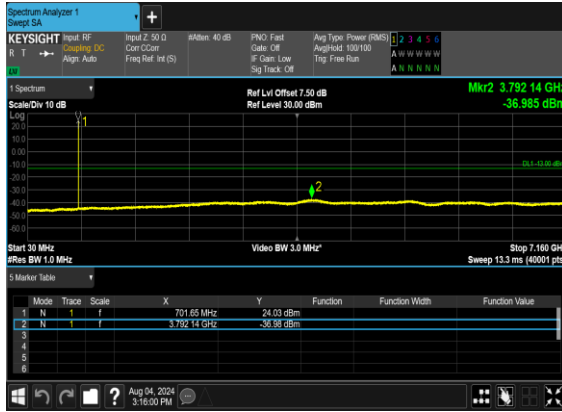


N12(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

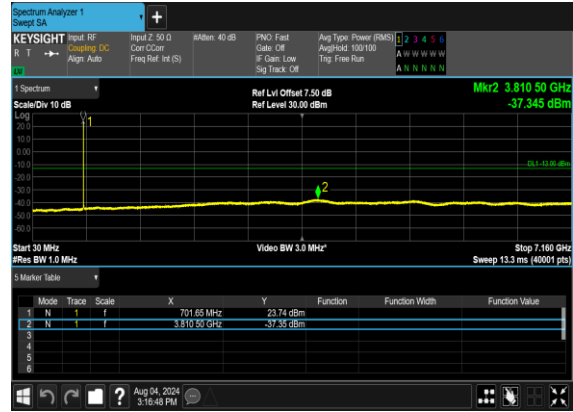




N12(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N12(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH





Conducted Band Edge

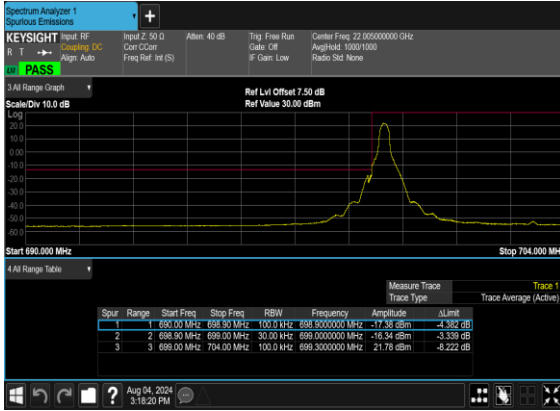
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
12	15	5	140300	701.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
12	15	5	140300	701.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
12	15	5	140300	701.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
12	15	5	140300	701.5	DFT-s-OFDM QPSK	25@0	see graph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



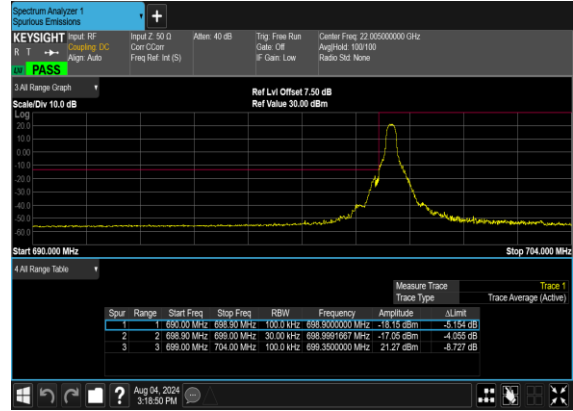
12	15	15	141700	708.5	DFT-s-OFDM BPSK	1@78	see graph	PASS
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@78	see graph	PASS
12	15	15	141700	708.5	DFT-s-OFDM BPSK	75@0	see graph	PASS
12	15	15	141700	708.5	DFT-s-OFDM QPSK	75@0	see graph	PASS



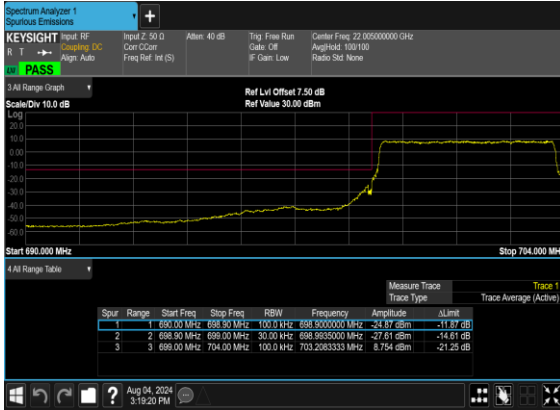
N12(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



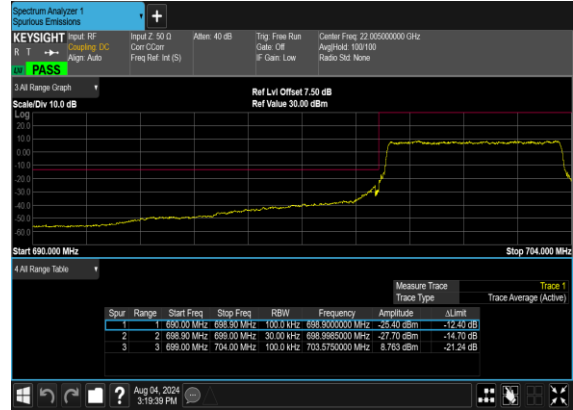
N12(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N12(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

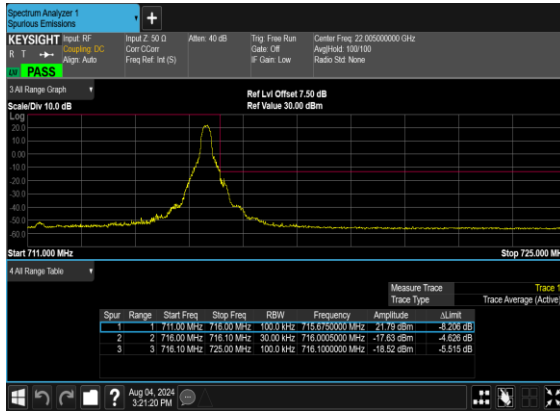


N12(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

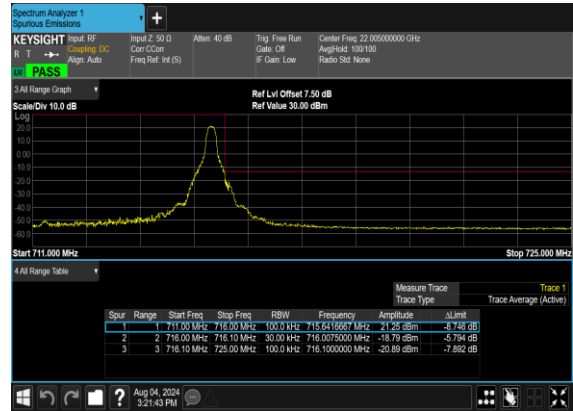




N12(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N12(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N12(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

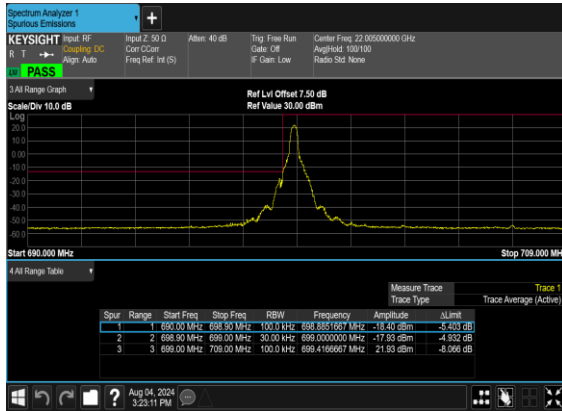


N12(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

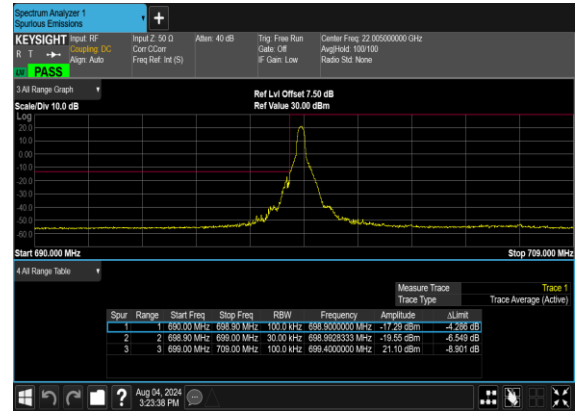




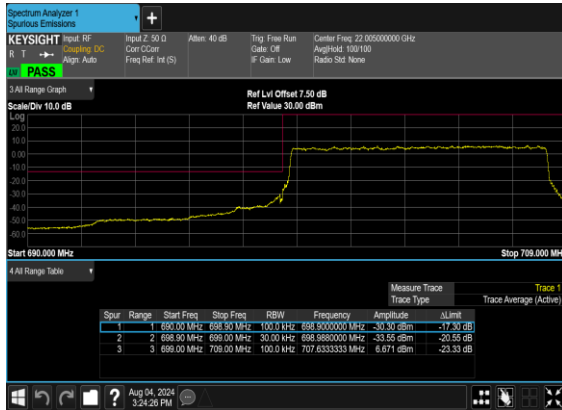
N12(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



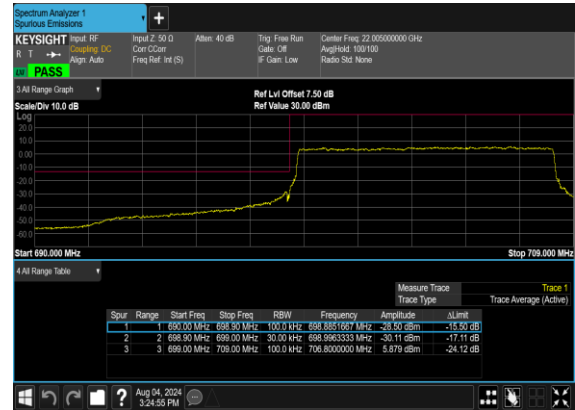
N12(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N12(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

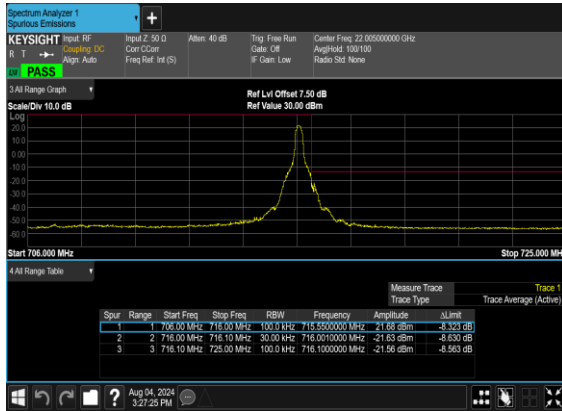


N12(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

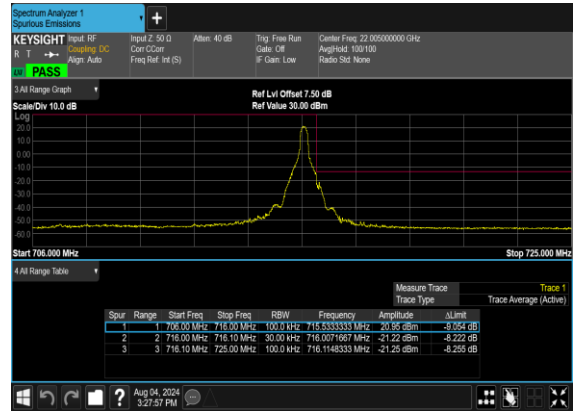




N12(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N12(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N12(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

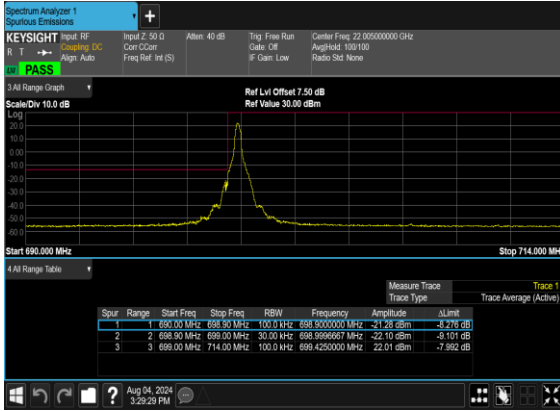


N12(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

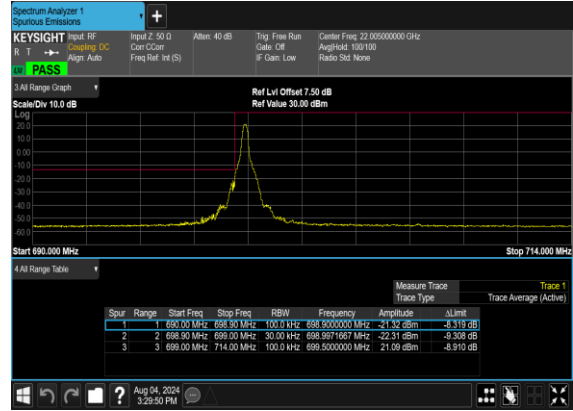




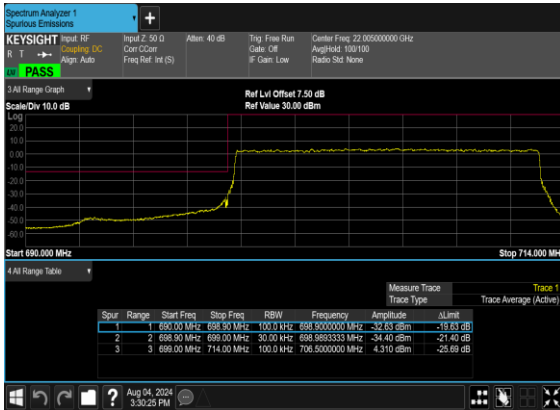
N12(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



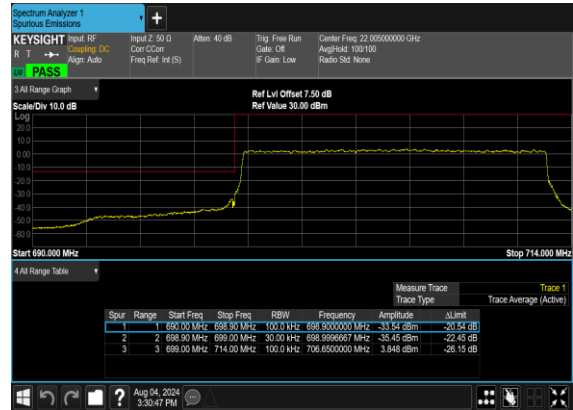
N12(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N12(15M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

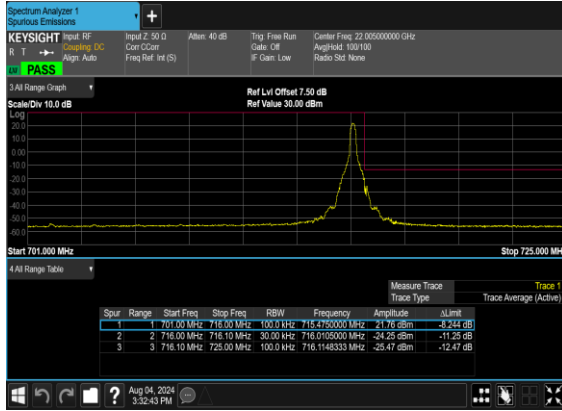


N12(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

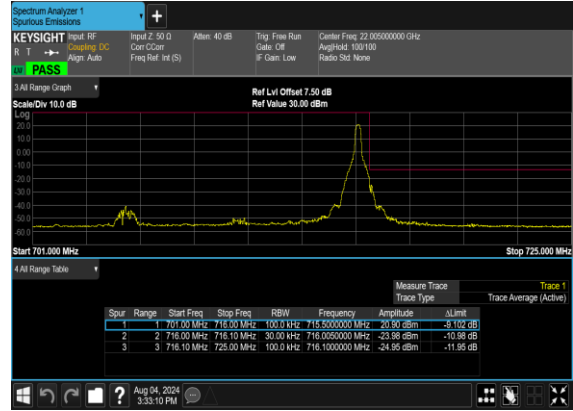




N12(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



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-SCS 15k

Transmitter Conducted Output Power And ERP, (G_T - L_C)=1.83dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	ERP (dBm)	ERP (W)
13	15	5	149700	779.5	DFT-s-OFDM QPSK	1@1	24.73	24.41	0.2761
13	15	5	149700	779.5	DFT-s-OFDM 16 QAM	1@1	23.95	23.63	0.2307
13	15	5	150200	782	DFT-s-OFDM QPSK	1@1	24.76	24.44	0.2780
13	15	5	150200	782	DFT-s-OFDM 16 QAM	1@1	23.89	23.57	0.2275
13	15	5	150700	784.5	DFT-s-OFDM QPSK	1@1	24.77	24.45	0.2786
13	15	5	150700	784.5	DFT-s-OFDM 16 QAM	1@1	23.88	23.56	0.2270
13	15	10	150200	782	DFT-s-OFDM PI/2 BPSK	25@12	24.9	24.58	0.2871
13	15	10	150200	782	DFT-s-OFDM PI/2 BPSK	1@1	24.9	24.58	0.2871
13	15	10	150200	782	DFT-s-OFDM PI/2 BPSK	1@50	24.63	24.31	0.2698
13	15	10	150200	782	DFT-s-OFDM QPSK	25@12	24.79	24.47	0.2799
13	15	10	150200	782	DFT-s-OFDM QPSK	1@1	24.92	24.6	0.2884
13	15	10	150200	782	DFT-s-OFDM QPSK	1@50	24.87	24.55	0.2851
13	15	10	150200	782	DFT-s-OFDM 16 QAM	25@12	23.7	23.38	0.2178
13	15	10	150200	782	DFT-s-OFDM 16 QAM	1@1	23.88	23.56	0.2270
13	15	10	150200	782	DFT-s-OFDM 16 QAM	1@50	23.77	23.45	0.2213
13	15	10	150200	782	DFT-s-OFDM 64 QAM	25@12	22.34	22.02	0.1592
13	15	10	150200	782	DFT-s-OFDM 64 QAM	1@1	22.38	22.06	0.1607
13	15	10	150200	782	DFT-s-OFDM 64 QAM	1@50	22.36	22.04	0.1600



13	15	10	150200	782	DFT-s-OFDM 256 QAM	25@12	20.22	19.9	0.0977
13	15	10	150200	782	DFT-s-OFDM 256 QAM	1@1	19.98	19.66	0.0925
13	15	10	150200	782	DFT-s-OFDM 256 QAM	1@50	19.93	19.61	0.0914
13	15	10	150200	782	CP-OFDM QPSK	26@13	23.2	22.88	0.1941
13	15	10	150200	782	CP-OFDM QPSK	1@1	23.41	23.09	0.2037
13	15	10	150200	782	CP-OFDM QPSK	1@50	23.2	22.88	0.1941



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	50@0	0.0059	PASS	NV
13	15	10	150200	782.0	DFT-s-OFDM QPSK	50@0	0.0059	PASS	LV
13	15	10	150200	782.0	DFT-s-OFDM QPSK	50@0	0.0044	PASS	HV
13	15	10	150200	782.0	DFT-s-OFDM QPSK	50@0	0.0021	PASS	-30°C
13	15	10	150200	782.0	DFT-s-OFDM QPSK	50@0	0.0035	PASS	-20°C
13	15	10	150200	782.0	DFT-s-OFDM QPSK	50@0	0.0024	PASS	-10°C
13	15	10	150200	782.0	DFT-s-OFDM QPSK	50@0	0.0056	PASS	0°C
13	15	10	150200	782.0	DFT-s-OFDM QPSK	50@0	0.0028	PASS	10°C
13	15	10	150200	782.0	DFT-s-OFDM QPSK	50@0	0.0059	PASS	20°C
13	15	10	150200	782.0	DFT-s-OFDM QPSK	50@0	0.0032	PASS	30°C
13	15	10	150200	782.0	DFT-s-OFDM QPSK	50@0	0.0030	PASS	40°C
13	15	10	150200	782.0	DFT-s-OFDM QPSK	50@0	0.0064	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	3.97	13	PASS
13	15	10	150200	782.0	DFT-s-OFDM QPSK	50@0	5.2	13	PASS



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

N13(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



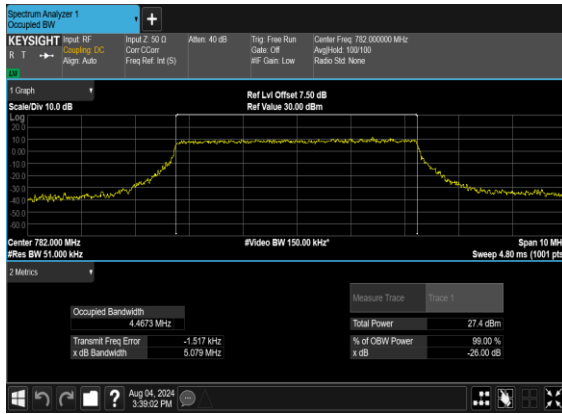


Occupied Bandwidth

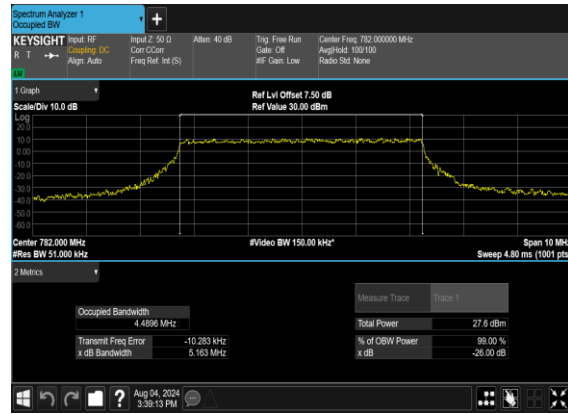
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
13	15	5	150200	782.0	CP-OFDM QPSK	25@0	4.4673	5.079
13	15	5	150200	782.0	CP-OFDM 16 QAM	25@0	4.4896	5.163
13	15	5	150200	782.0	CP-OFDM 64 QAM	25@0	4.4617	4.952
13	15	5	150200	782.0	CP-OFDM 256 QAM	25@0	4.4771	5.012
13	15	10	150200	782.0	CP-OFDM QPSK	52@0	9.2486	9.859
13	15	10	150200	782.0	CP-OFDM 16 QAM	52@0	9.2622	9.843
13	15	10	150200	782.0	CP-OFDM 64 QAM	52@0	9.2507	9.781
13	15	10	150200	782.0	CP-OFDM 256 QAM	52@0	9.2607	10.02



N13(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N13(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N13(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

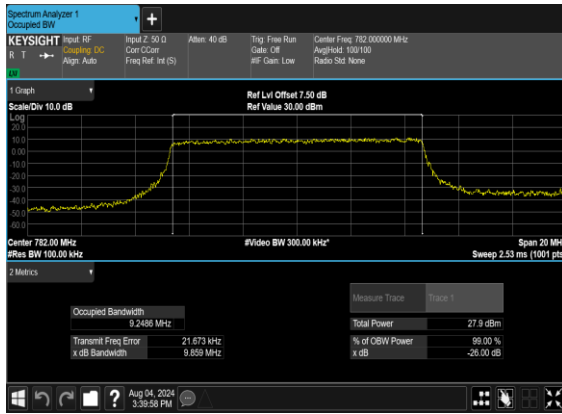


N13(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





N13(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



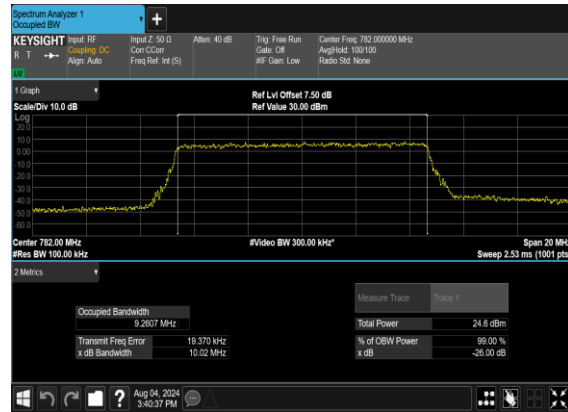
N13(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N13(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N13(10M)_CP-OFDM_256QAM_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