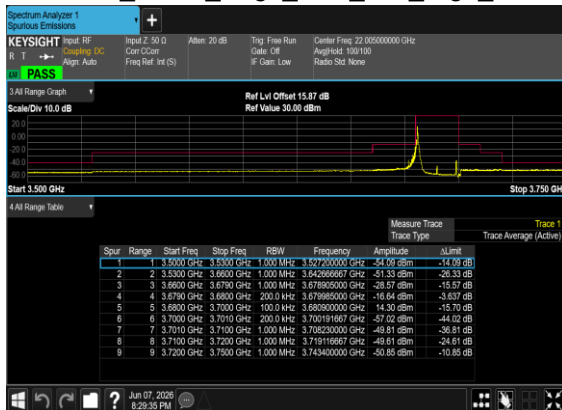
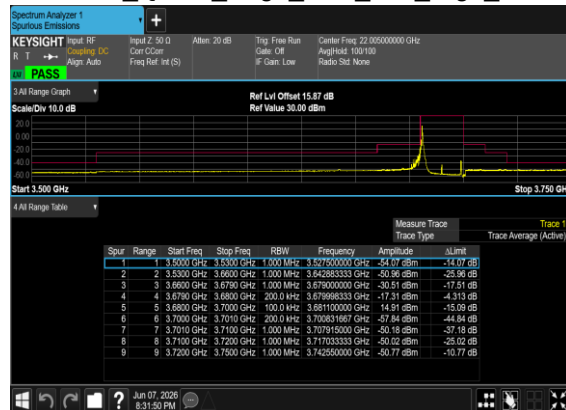
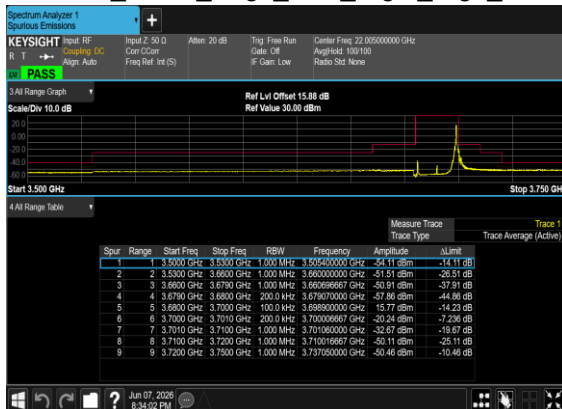
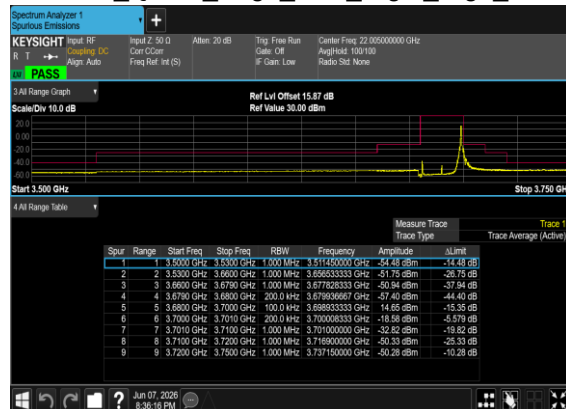
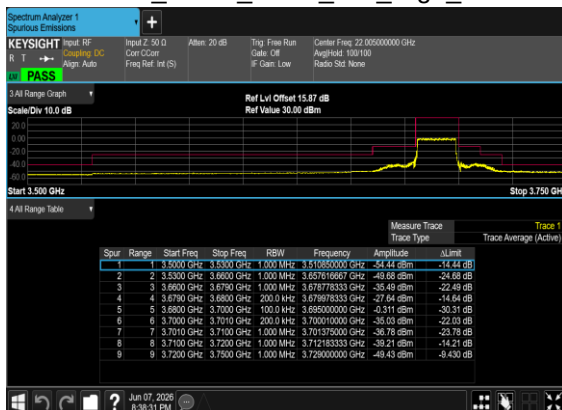
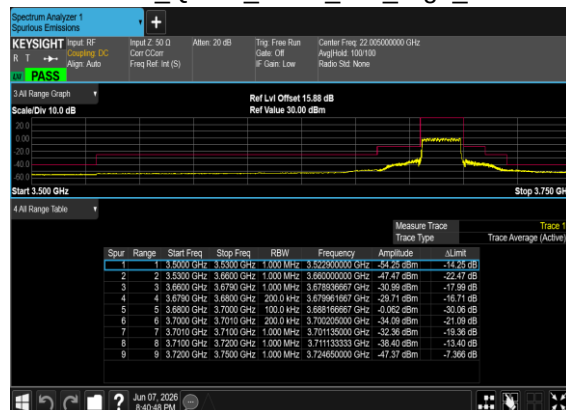
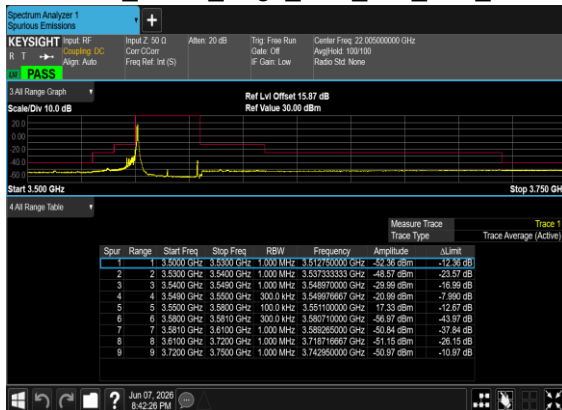
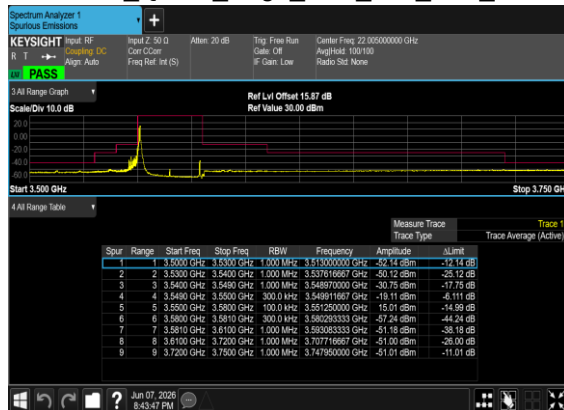
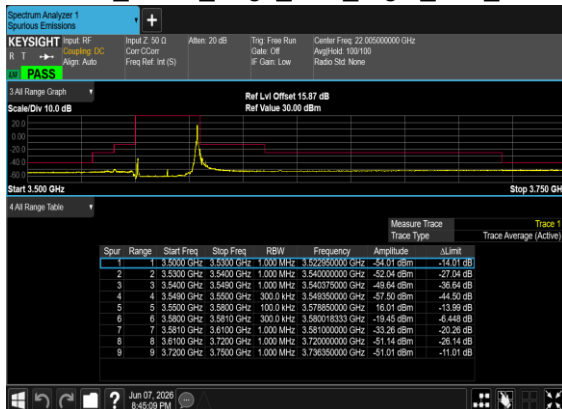
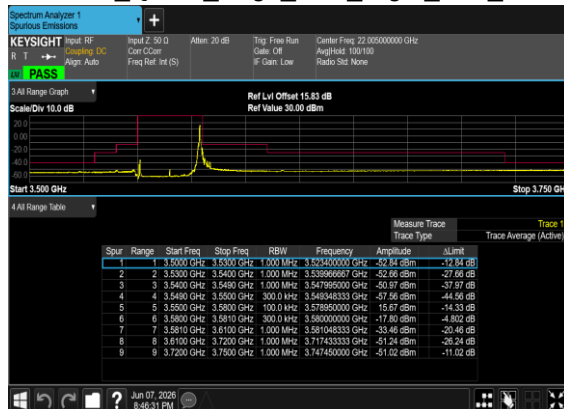
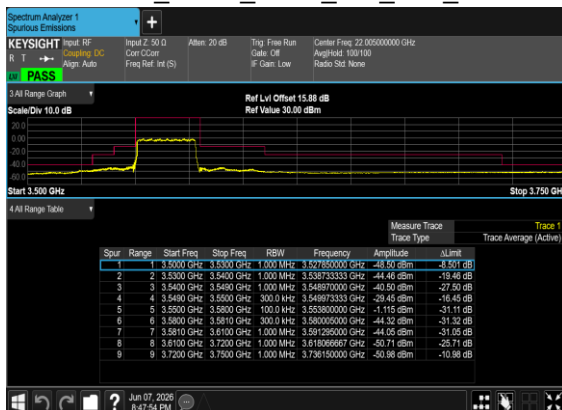
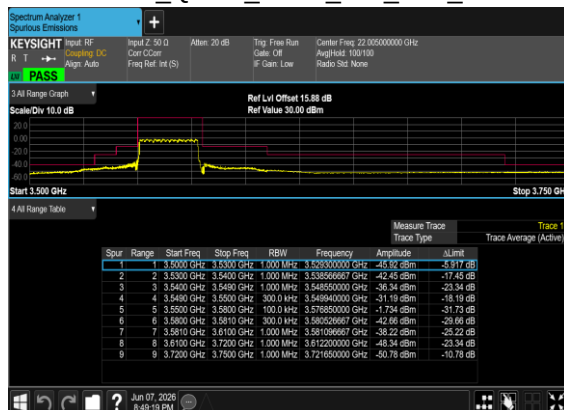
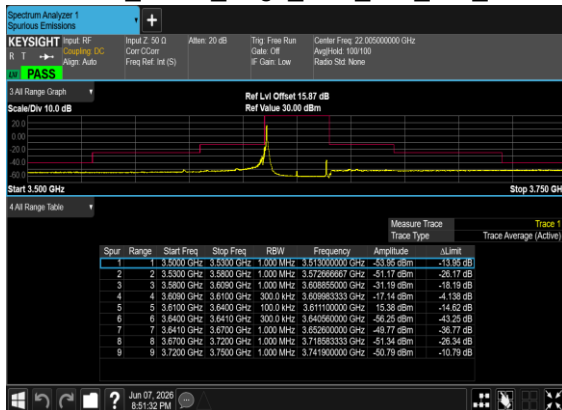
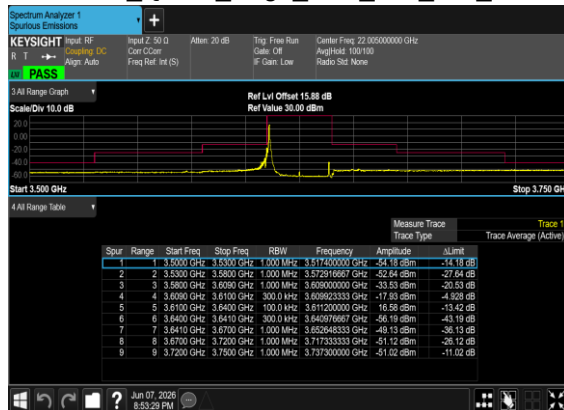
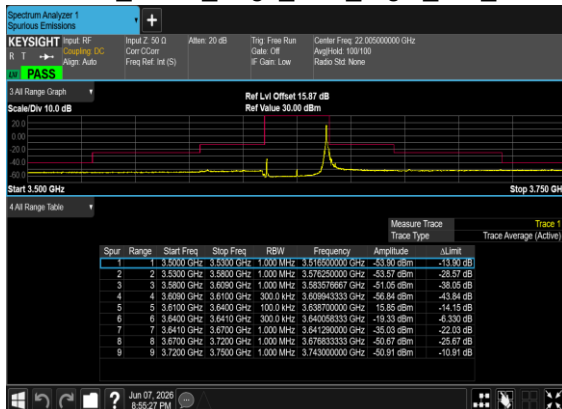
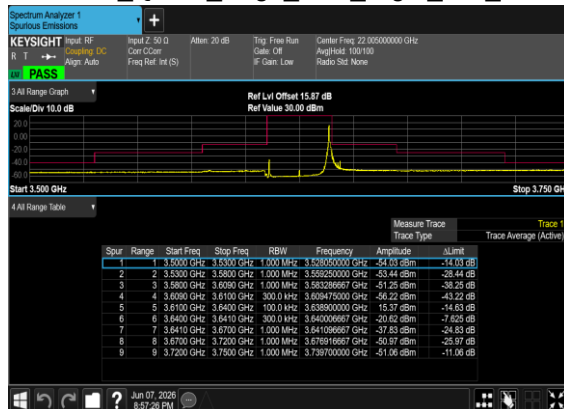
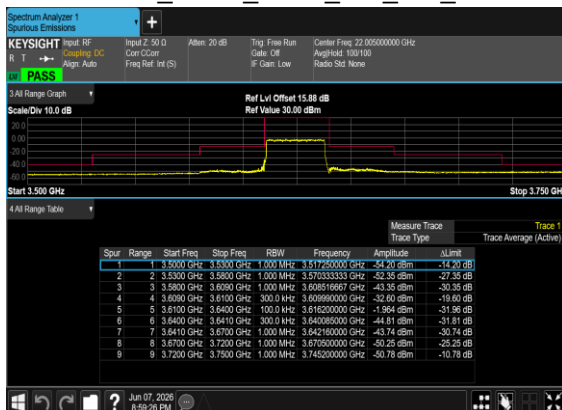
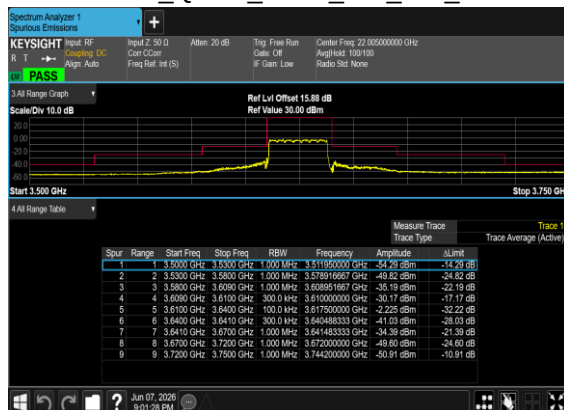
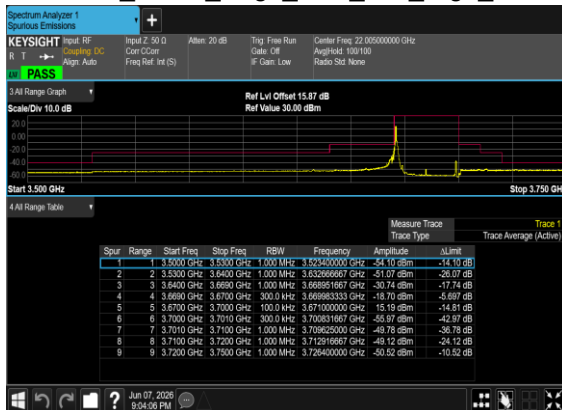
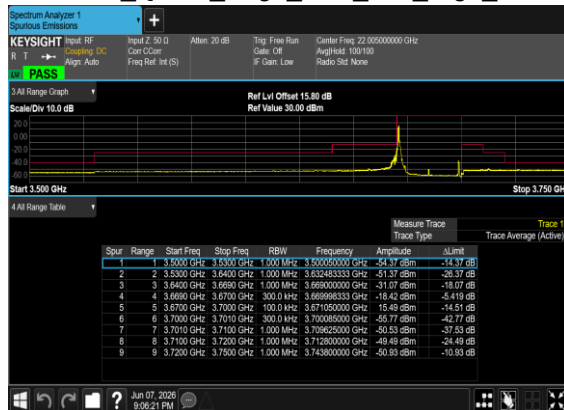
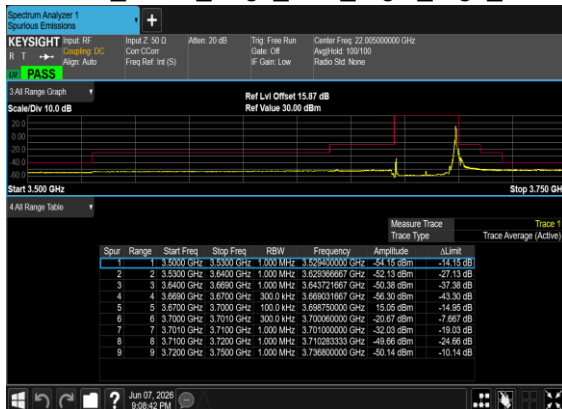
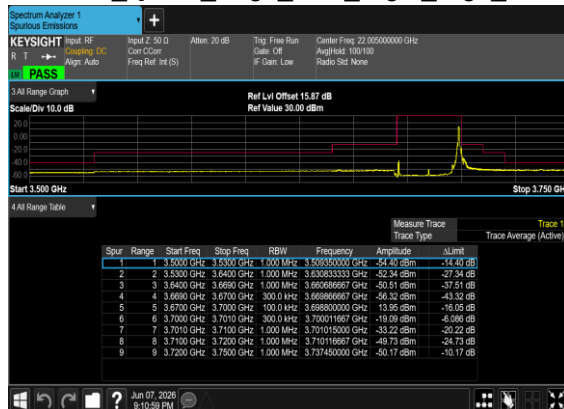
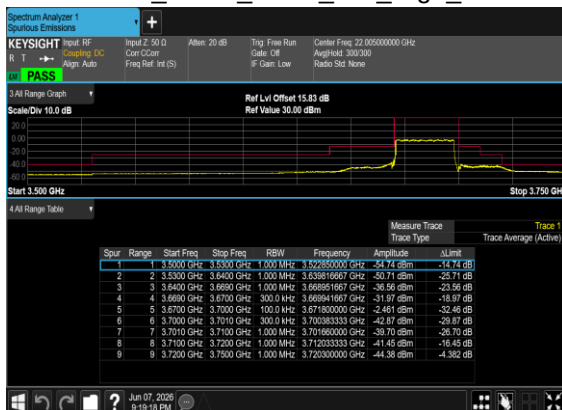
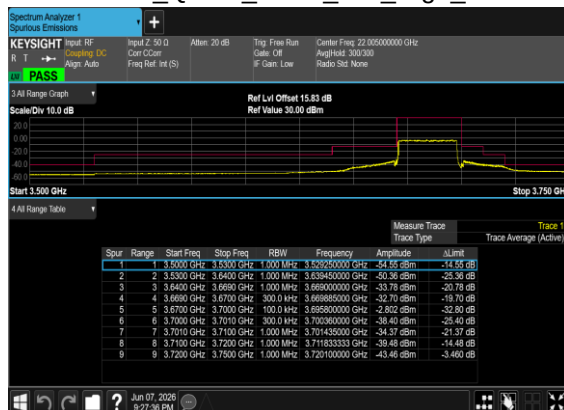
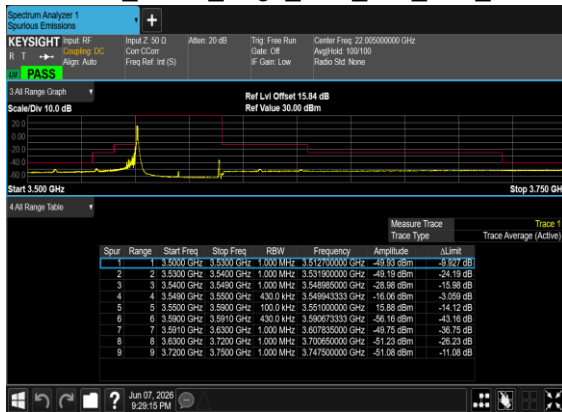
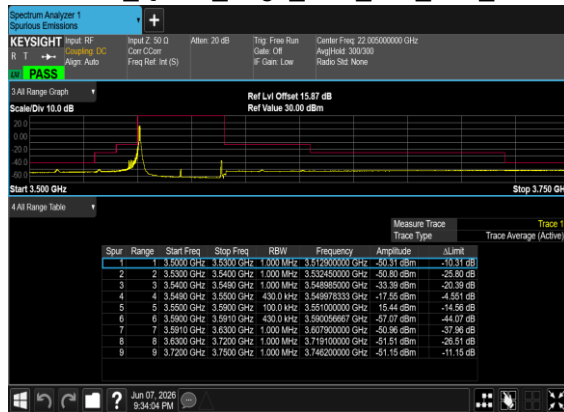
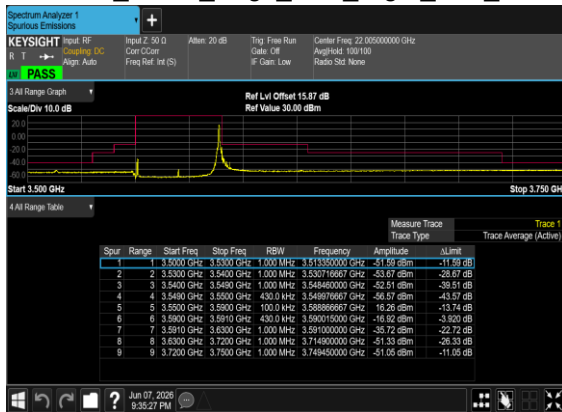
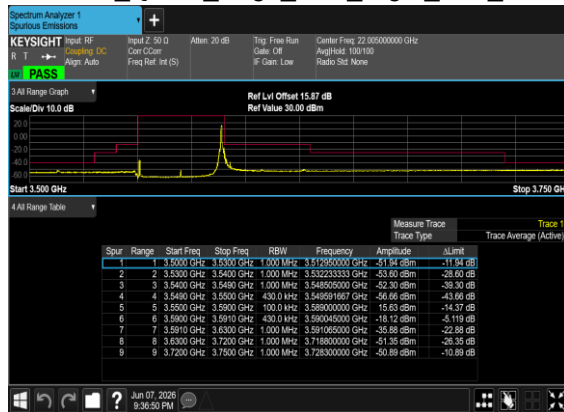
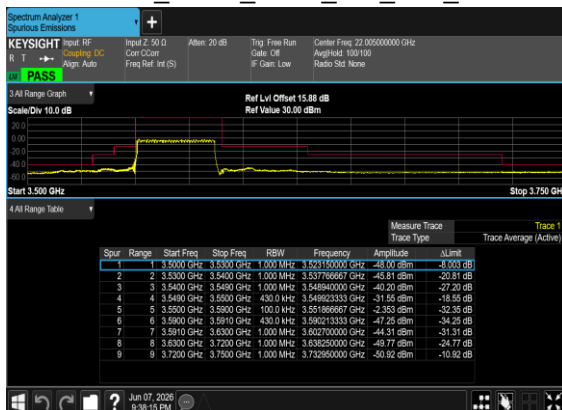
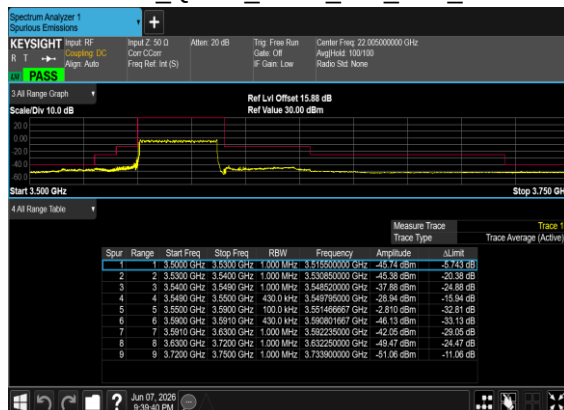


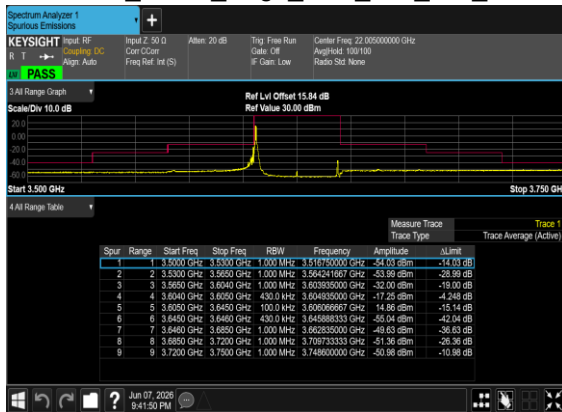
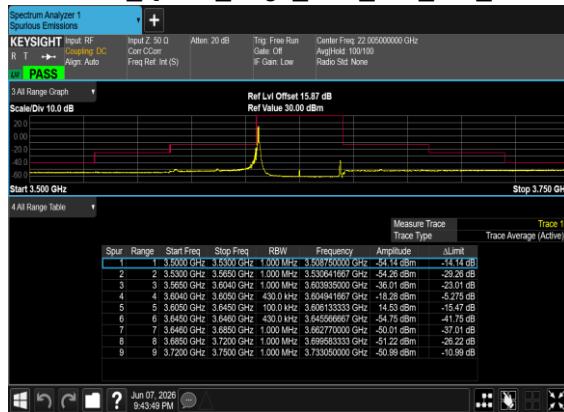
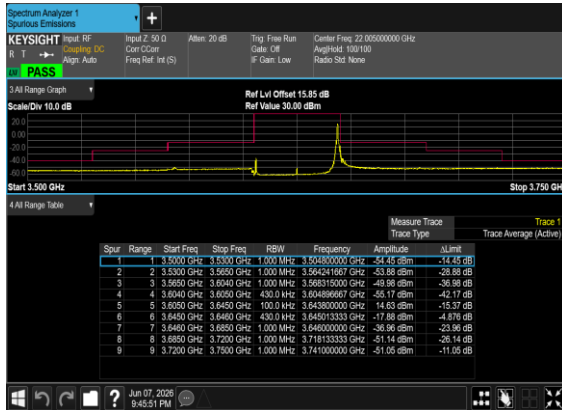
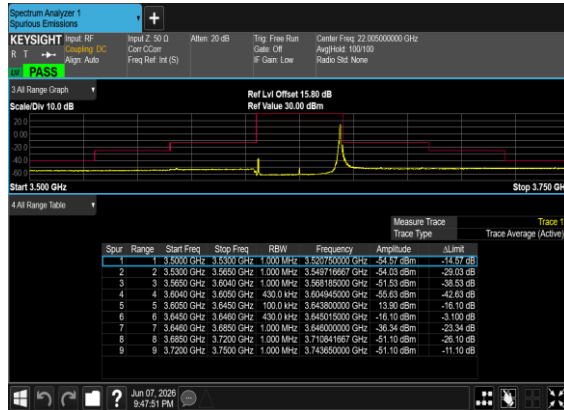
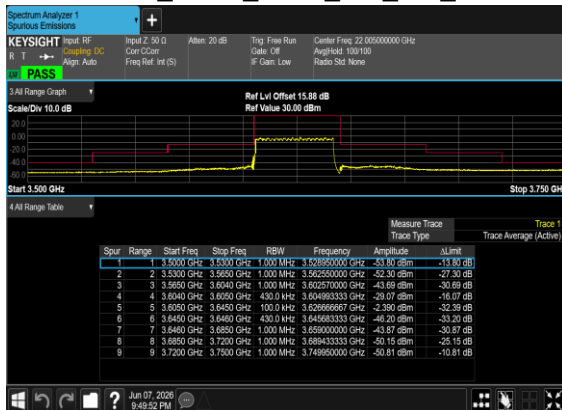
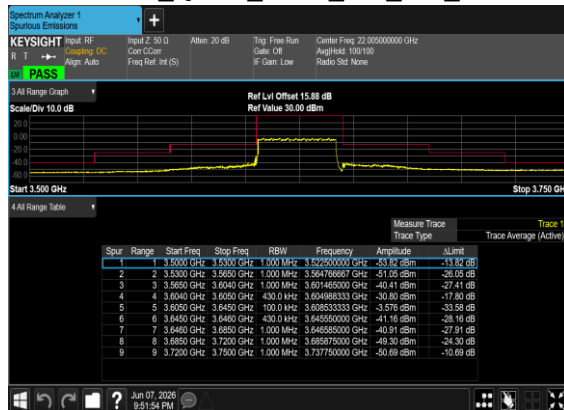
N48(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN48(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CHN48(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN48(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN48(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN48(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

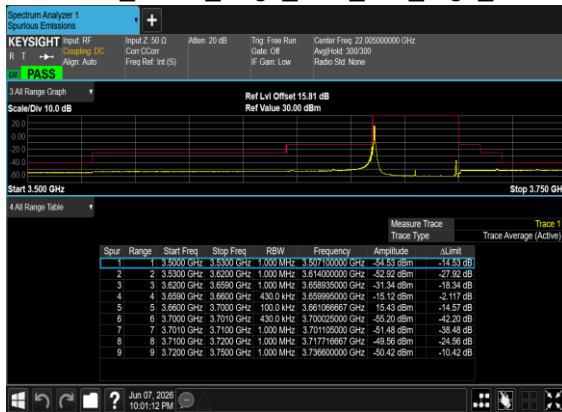
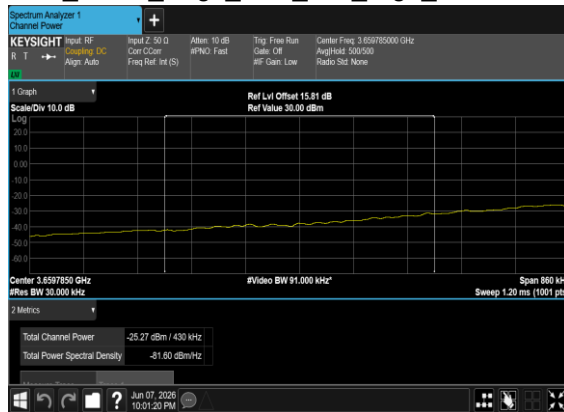
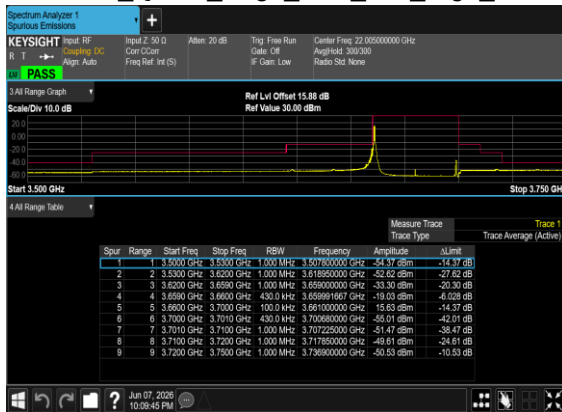
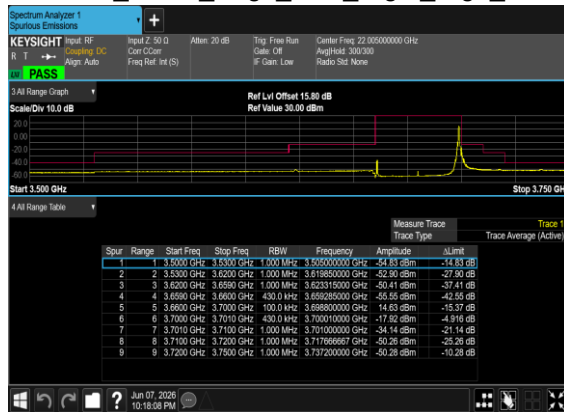
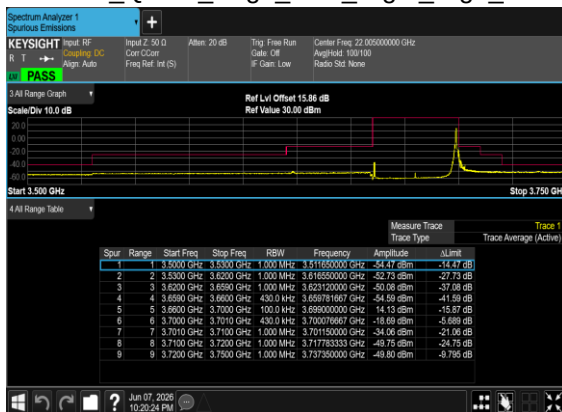
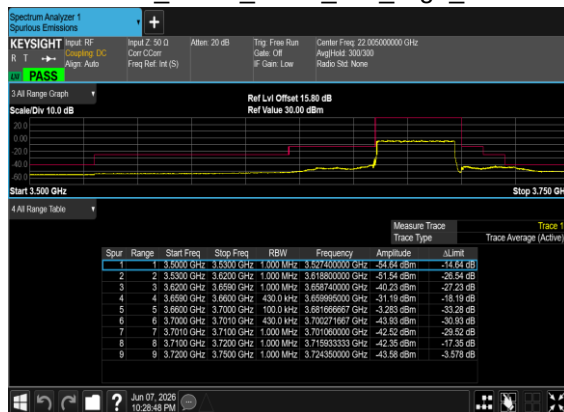
N48(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN48(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN48(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Low_CHN48(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_Low_CHN48(30M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN48(30M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

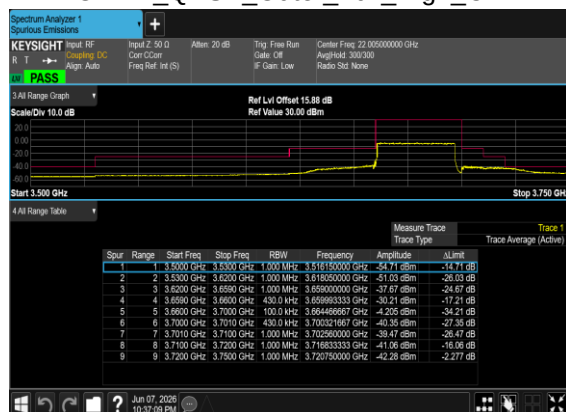
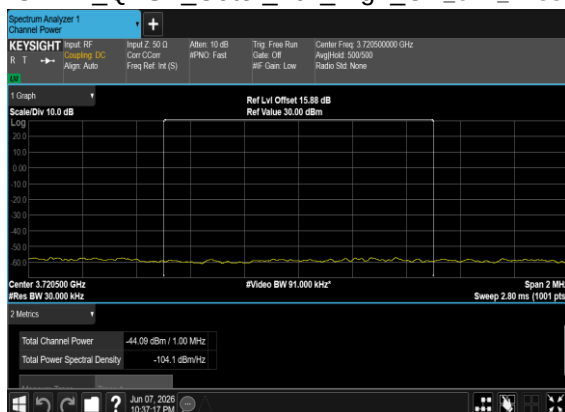
N48(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN48(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN48(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Mid_CHN48(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_Mid_CHN48(30M)_DFT-s-
OFDM_BPSK_Outer_Full_Mid_CHN48(30M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH

N48(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN48(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CHN48(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN48(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN48(30M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHN48(30M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CHN48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CHN48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Low_CHN48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_Low_CHN48(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN48(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CHN48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Mid_CHN48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_Mid_CHN48(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Mid_CHN48(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH

N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CHN48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH_chp_PASSN48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CHN48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHN48(40M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

N48(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CHN48(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH_CHP_PASS



FR1 N48_MIMO-Ant(0+2)

Transmitter Conducted Output Power And EIRP, $(G_T - L_C)=1.0$ dB

NR Band	SCS	BW	Arfcn	Freq (MHz)	Modulation	RB	ANT0 Power (dBm)	ANT2 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
48	30	10	637000	3555	DFT-s-OFDM QPSK	12@6	17.43	18.07	20.77	21.77	0.1503
48	30	10	637000	3555	DFT-s-OFDM QPSK	1@1	18.58	19.14	21.88	22.88	0.1941
48	30	10	637000	3555	DFT-s-OFDM QPSK	1@22	18.54	19.1	21.84	22.84	0.1923
48	30	10	637000	3555	DFT-s-OFDM 16 QAM	12@6	17.52	18.12	20.84	21.84	0.1528
48	30	10	637000	3555	DFT-s-OFDM 16 QAM	1@1	17.58	18.11	20.86	21.86	0.1535
48	30	10	637000	3555	DFT-s-OFDM 16 QAM	1@22	17.54	18.1	20.84	21.84	0.1528
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	12@6	18.35	19.02	21.71	22.71	0.1866
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@1	18.41	19.04	21.75	22.75	0.1884
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@22	18.38	18.98	21.70	22.7	0.1862
48	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	12@6	17.35	18.01	20.70	21.7	0.1479
48	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	17.45	18.09	20.79	21.79	0.1510
48	30	10	641666	3624.99	DFT-s-OFDM 16 QAM	1@22	17.46	18.07	20.79	21.79	0.1510
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	12@6	18.19	19.08	21.67	22.67	0.1849
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@1	18.24	19.11	21.71	22.71	0.1866
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@22	18.19	19.13	21.70	22.7	0.1862
48	30	10	646332	3694.98	DFT-s-OFDM 16 QAM	12@6	17.09	18.15	20.66	21.66	0.1466
48	30	10	646332	3694.98	DFT-s-OFDM 16 QAM	1@1	17.2	18.2	20.74	21.74	0.1493
48	30	10	646332	3694.98	DFT-s-OFDM 16 QAM	1@22	17.19	18.22	20.75	21.75	0.1496
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	18@9	18.41	19.02	21.74	22.74	0.1879
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	1@1	18.46	18.95	21.72	22.72	0.1871
48	30	15	637168	3557.52	DFT-s-OFDM QPSK	1@36	18.28	18.89	21.61	22.61	0.1824
48	30	15	637168	3557.52	DFT-s-OFDM 16 QAM	18@9	17.36	18.02	20.71	21.71	0.1483
48	30	15	637168	3557.52	DFT-s-OFDM 16 QAM	1@1	17.62	18.17	20.91	21.91	0.1552
48	30	15	637168	3557.52	DFT-s-OFDM 16 QAM	1@36	17.38	18.08	20.75	21.75	0.1496
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	18@9	18.42	19.08	21.77	22.77	0.1892
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	1@1	18.44	19.08	21.78	22.78	0.1897
48	30	15	641666	3624.99	DFT-s-OFDM QPSK	1@36	18.37	18.95	21.68	22.68	0.1854
48	30	15	641666	3624.99	DFT-s-OFDM 16 QAM	18@9	17.37	18.04	20.73	21.73	0.1489
48	30	15	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	17.57	18.32	20.97	21.97	0.1574
48	30	15	641666	3624.99	DFT-s-OFDM 16 QAM	1@36	17.46	18.21	20.86	21.86	0.1535
48	30	15	646166	3692.49	DFT-s-OFDM QPSK	18@9	18.17	19.16	21.70	22.7	0.1862
48	30	15	646166	3692.49	DFT-s-OFDM QPSK	1@1	18.19	19.11	21.68	22.68	0.1854
48	30	15	646166	3692.49	DFT-s-OFDM QPSK	1@36	18.07	19.02	21.58	22.58	0.1811
48	30	15	646166	3692.49	DFT-s-OFDM 16 QAM	18@9	17.03	18.06	20.59	21.59	0.1442
48	30	15	646166	3692.49	DFT-s-OFDM 16 QAM	1@1	17.27	18.24	20.79	21.79	0.1510
48	30	15	646166	3692.49	DFT-s-OFDM 16 QAM	1@36	17.15	18.19	20.71	21.71	0.1483
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	25@12	18.46	19.09	21.80	22.8	0.1905
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@1	18.53	19.07	21.82	22.82	0.1914
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@49	18.38	18.92	21.67	22.67	0.1849



NR Band	SCS	BW	Arfcn	Freq (MHz)	Modulation	RB	ANT0 Power (dBm)	ANT2 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
48	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	25@12	17.45	18.08	20.79	21.79	0.1510
48	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	1@1	17.59	18.14	20.88	21.88	0.1542
48	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	1@49	17.4	17.98	20.71	21.71	0.1483
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	25@12	18.43	19.13	21.80	22.8	0.1905
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@1	18.46	19.2	21.86	22.86	0.1932
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@49	18.35	19.04	21.72	22.72	0.1871
48	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	25@12	17.39	18.05	20.74	21.74	0.1493
48	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	17.52	18.15	20.86	21.86	0.1535
48	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	1@49	17.43	18.11	20.79	21.79	0.1510
48	30	20	646000	3690	DFT-s-OFDM QPSK	25@12	18.24	19.24	21.78	22.78	0.1897
48	30	20	646000	3690	DFT-s-OFDM QPSK	1@1	18.21	19.11	21.69	22.69	0.1858
48	30	20	646000	3690	DFT-s-OFDM QPSK	1@49	18.1	19.1	21.64	22.64	0.1837
48	30	20	646000	3690	DFT-s-OFDM 16 QAM	25@12	17.13	18.17	20.69	21.69	0.1476
48	30	20	646000	3690	DFT-s-OFDM 16 QAM	1@1	17.26	18.2	20.77	21.77	0.1503
48	30	20	646000	3690	DFT-s-OFDM 16 QAM	1@49	17.1	18.19	20.69	21.69	0.1476
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	36@18	18.39	18.95	21.69	22.69	0.1858
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	1@1	18.56	19.14	21.87	22.87	0.1936
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	1@76	18.3	18.87	21.60	22.6	0.1820
48	30	30	637668	3565.02	DFT-s-OFDM 16 QAM	36@18	17.35	18.01	20.70	21.7	0.1479
48	30	30	637668	3565.02	DFT-s-OFDM 16 QAM	1@1	17.57	18.25	20.93	21.93	0.1560
48	30	30	637668	3565.02	DFT-s-OFDM 16 QAM	1@76	17.35	17.95	20.67	21.67	0.1469
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	36@18	18.37	19.04	21.73	22.73	0.1875
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@1	18.55	19.19	21.89	22.89	0.1945
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@76	18.38	19.05	21.74	22.74	0.1879
48	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	36@18	17.35	18.02	20.71	21.71	0.1483
48	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	17.59	18.22	20.93	21.93	0.1560
48	30	30	641666	3624.99	DFT-s-OFDM 16 QAM	1@76	17.38	18.12	20.78	21.78	0.1507
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	36@18	18.17	19.1	21.67	22.67	0.1849
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@1	18.44	19.22	21.86	22.86	0.1932
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@76	18.12	19.08	21.64	22.64	0.1837
48	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	36@18	17.2	18.01	20.63	21.63	0.1455
48	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	1@1	17.5	18.2	20.87	21.87	0.1538
48	30	30	645666	3684.99	DFT-s-OFDM 16 QAM	1@76	17.15	18.12	20.67	21.67	0.1469
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	50@25	18.42	19	21.73	22.73	0.1875
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@1	18.36	19.08	21.75	22.75	0.1884
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@104	18.09	18.68	21.41	22.41	0.1742
48	30	40	638000	3570	DFT-s-OFDM QPSK	50@25	18.35	18.97	21.68	22.68	0.1854
48	30	40	638000	3570	DFT-s-OFDM QPSK	1@1	18.28	19.12	21.73	22.73	0.1875
48	30	40	638000	3570	DFT-s-OFDM QPSK	1@104	18.12	18.66	21.41	22.41	0.1742
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	50@25	17.28	17.98	20.65	21.65	0.1462
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	1@1	17.38	18.23	20.84	21.84	0.1528
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	1@104	17.23	17.84	20.56	21.56	0.1432
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	50@25	15.85	16.51	19.20	20.2	0.1047
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	1@1	15.93	16.5	19.23	20.23	0.1054
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	1@104	15.61	16.29	18.97	19.97	0.0993
48	30	40	638000	3570	DFT-s-OFDM 256 QAM	50@25	13.71	14.47	17.12	18.12	0.0649



NR Band	SCS	BW	Arfcn	Freq (MHz)	Modulation	RB	ANT0 Power (dBm)	ANT2 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
48	30	40	638000	3570	DFT-s-OFDM 256 QAM	1@1	13.8	14.6	17.23	18.23	0.0665
48	30	40	638000	3570	DFT-s-OFDM 256 QAM	1@104	13.51	14.23	16.90	17.9	0.0617
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	50@25	18.39	19.14	21.79	22.79	0.1901
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	18.34	19.11	21.75	22.75	0.1884
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@104	18.16	18.92	21.57	22.57	0.1807
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	50@25	18.34	19.08	21.74	22.74	0.1879
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@1	18.23	19.14	21.72	22.72	0.1871
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@104	18.18	18.92	21.58	22.58	0.1811
48	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	50@25	17.36	17.97	20.69	21.69	0.1476
48	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	17.43	18.24	20.86	21.86	0.1535
48	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	1@104	17.18	18	20.62	21.62	0.1452
48	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	50@25	15.82	16.49	19.18	20.18	0.1042
48	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	15.72	16.54	19.16	20.16	0.1038
48	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	1@104	15.86	16.28	19.09	20.09	0.1021
48	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	50@25	13.81	14.44	17.15	18.15	0.0653
48	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	13.66	14.46	17.09	18.09	0.0644
48	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	1@104	13.58	14.17	16.90	17.9	0.0617
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	50@25	18.32	19.43	21.92	22.92	0.1959
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@1	18.26	19.13	21.73	22.73	0.1875
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@104	17.92	19.03	21.52	22.52	0.1786
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	50@25	18.27	19.12	21.73	22.73	0.1875
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@1	18.16	18.97	21.59	22.59	0.1816
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@104	17.92	18.95	21.48	22.48	0.1770
48	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	50@25	17.26	18.11	20.72	21.72	0.1486
48	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	1@1	17.18	18.03	20.64	21.64	0.1459
48	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	1@104	16.96	18.17	20.62	21.62	0.1452
48	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	50@25	15.78	16.61	19.23	20.23	0.1054
48	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	1@1	15.7	16.59	19.18	20.18	0.1042
48	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	1@104	15.53	16.82	19.23	20.23	0.1054
48	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	50@25	13.66	14.62	17.18	18.18	0.0658
48	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	1@1	13.62	14.61	17.15	18.15	0.0653
48	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	1@104	13.35	14.52	16.98	17.98	0.0628

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Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	14.8	PASS	NV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	18	PASS	LV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	19.1	PASS	HV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	11.6	PASS	-30℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	12.4	PASS	-20℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	16.3	PASS	-10℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	19.2	PASS	0℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	15.8	PASS	10℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	14.8	PASS	20℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	16.6	PASS	30℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	10.8	PASS	40℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	17.1	PASS	50℃

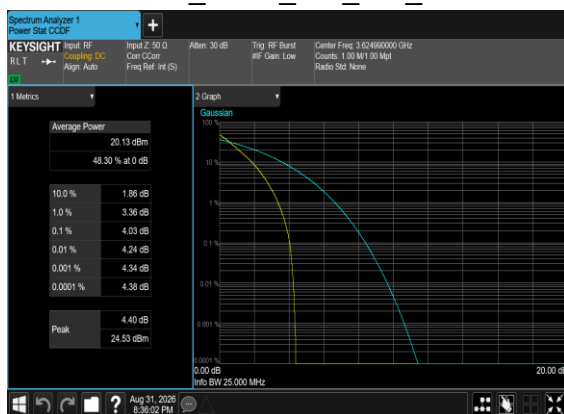
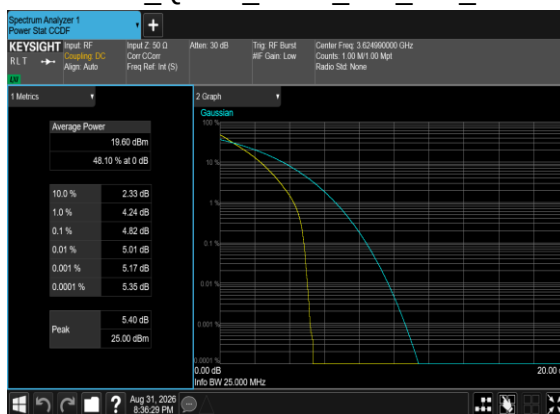
$|\text{MAX}(\Delta f)| = 19.2 \text{ Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	3550.875381	$\geq 3550 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	3699.103691	$\leq 3700 \text{ MHz}$	



Peak to Average Ratio

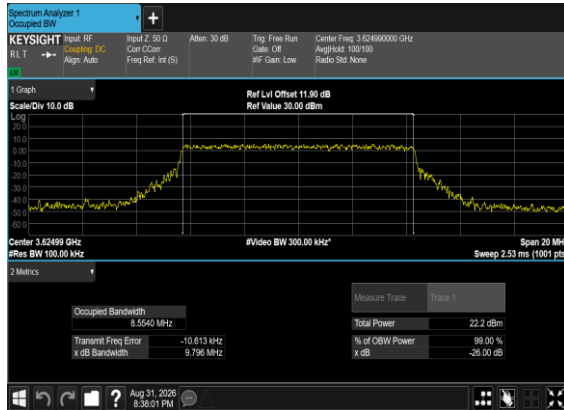
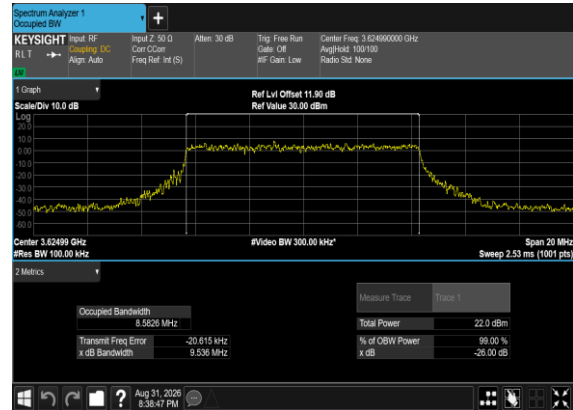
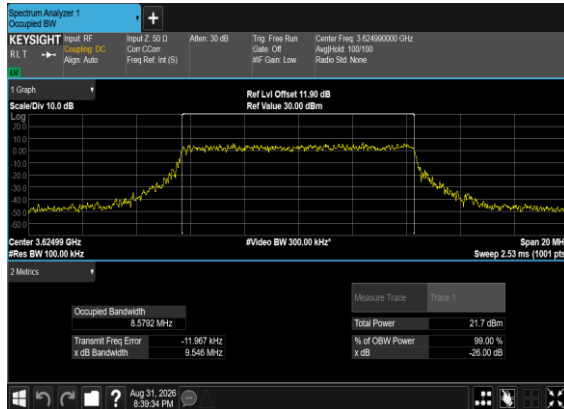
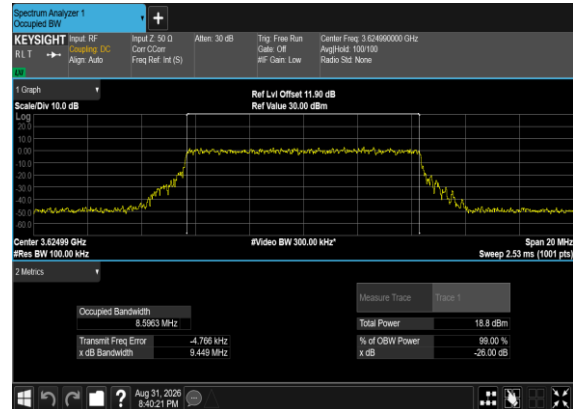
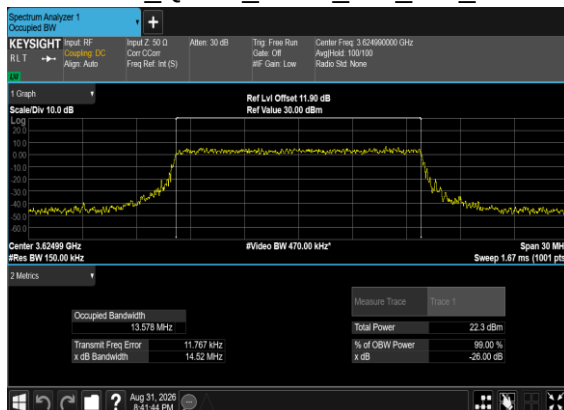
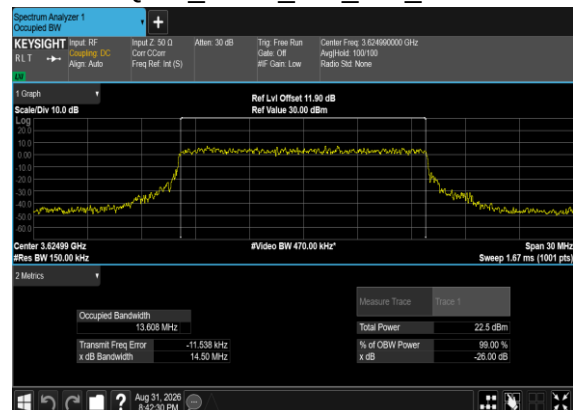
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	50@0	4.03	13	PASS
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	4.82	13	PASS

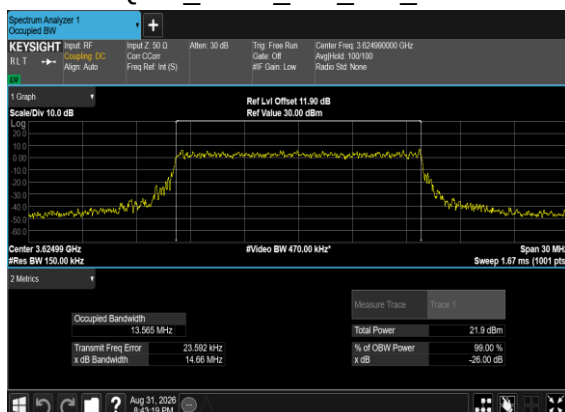
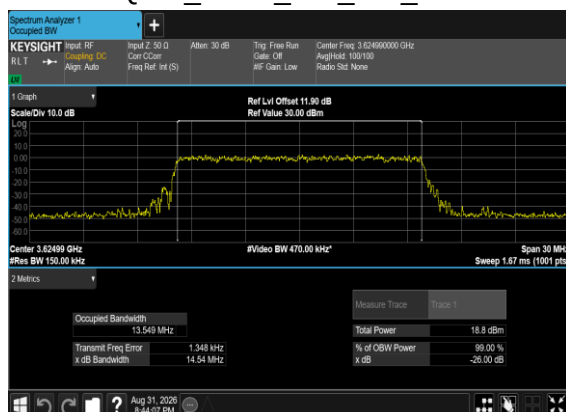
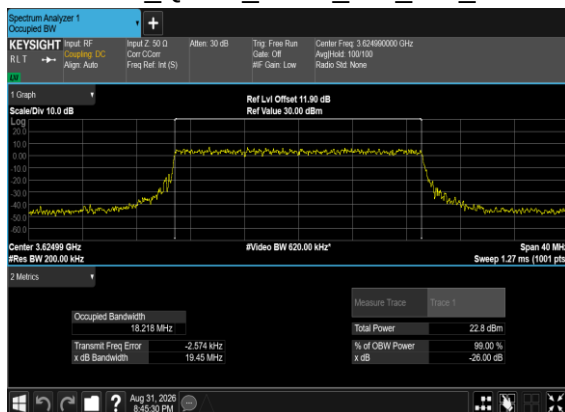
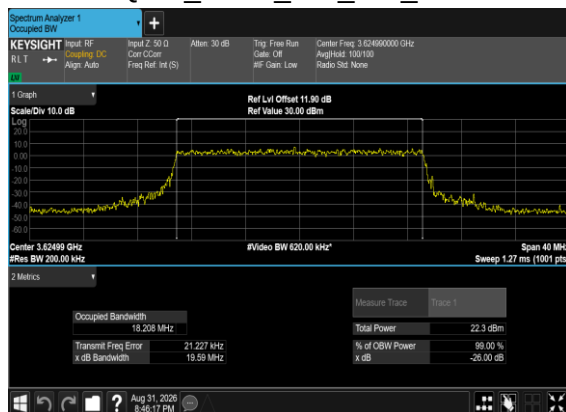
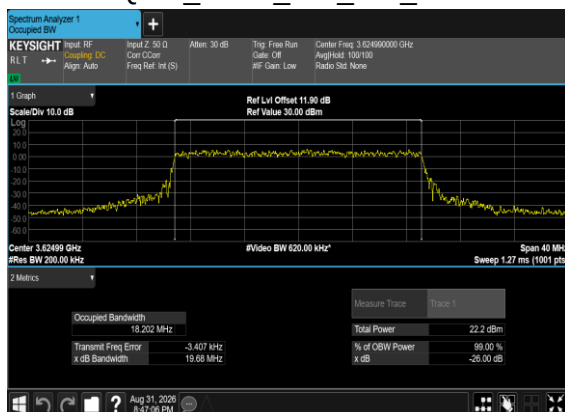
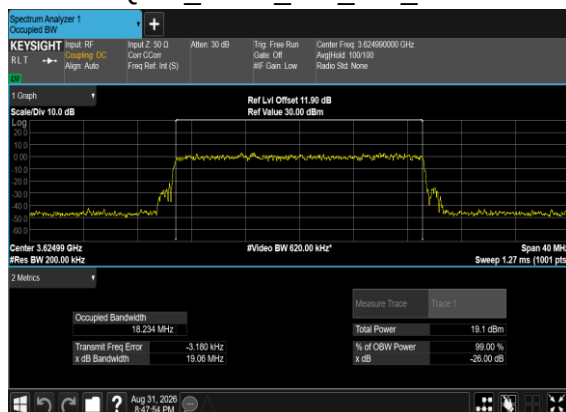
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BPSK_Outer_Full_Mid_CHN48(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH

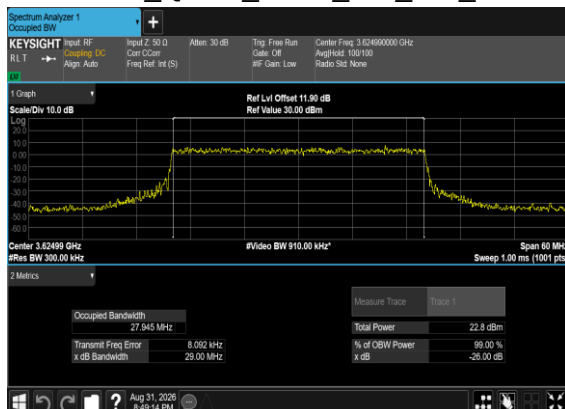
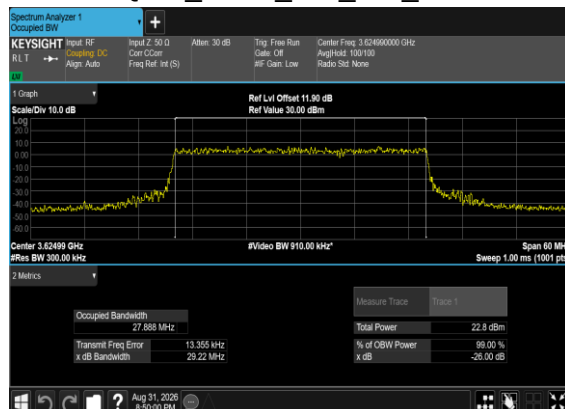
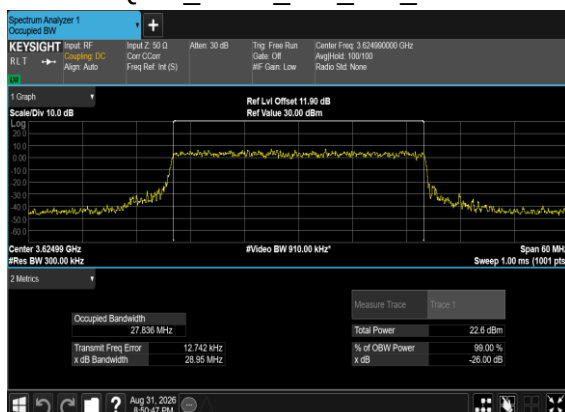
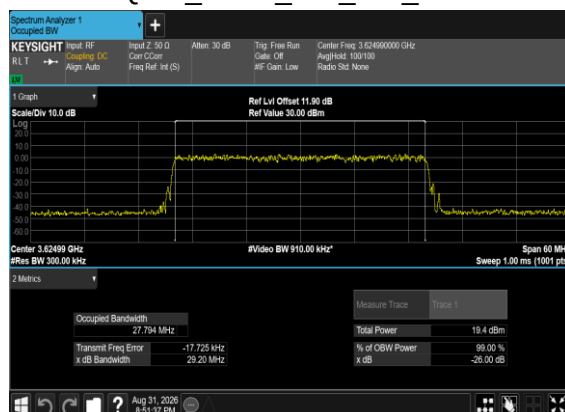
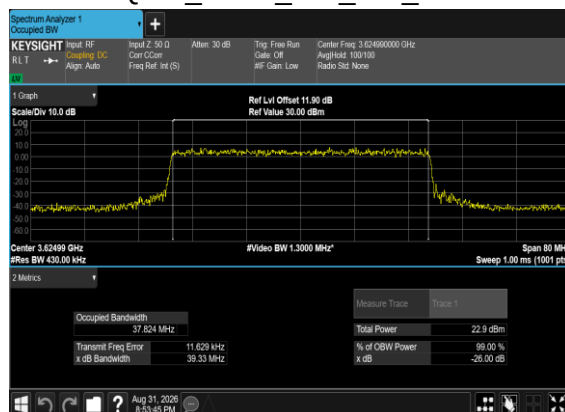


Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
48	30	10	641666	3624.99	CP-OFDM QPSK	24@0	8.554	9.796
48	30	10	641666	3624.99	CP-OFDM 16 QAM	24@0	8.5826	9.536
48	30	10	641666	3624.99	CP-OFDM 64 QAM	24@0	8.5792	9.546
48	30	10	641666	3624.99	CP-OFDM 256 QAM	24@0	8.5963	9.449
48	30	15	641666	3624.99	CP-OFDM QPSK	38@0	13.578	14.52
48	30	15	641666	3624.99	CP-OFDM 16 QAM	38@0	13.608	14.5
48	30	15	641666	3624.99	CP-OFDM 64 QAM	38@0	13.565	14.66
48	30	15	641666	3624.99	CP-OFDM 256 QAM	38@0	13.549	14.54
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	18.218	19.45
48	30	20	641666	3624.99	CP-OFDM 16 QAM	51@0	18.208	19.59
48	30	20	641666	3624.99	CP-OFDM 64 QAM	51@0	18.202	19.68
48	30	20	641666	3624.99	CP-OFDM 256 QAM	51@0	18.234	19.06
48	30	30	641666	3624.99	CP-OFDM QPSK	78@0	27.945	29.0
48	30	30	641666	3624.99	CP-OFDM 16 QAM	78@0	27.888	29.22
48	30	30	641666	3624.99	CP-OFDM 64 QAM	78@0	27.836	28.95
48	30	30	641666	3624.99	CP-OFDM 256 QAM	78@0	27.794	29.2
48	30	40	641666	3624.99	CP-OFDM QPSK	106@0	37.828	39.35
48	30	40	641666	3624.99	CP-OFDM 16 QAM	106@0	37.824	39.33
48	30	40	641666	3624.99	CP-OFDM 64 QAM	106@0	37.872	39.35
48	30	40	641666	3624.99	CP-OFDM 256 QAM	106@0	37.889	39.47

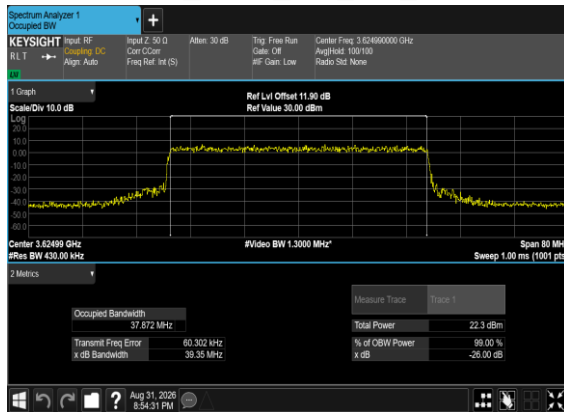
N48(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CHN48(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CHN48(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CHN48(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CHN48(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CHN48(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH

N48(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CHN48(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CHN48(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CHN48(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CHN48(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CHN48(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

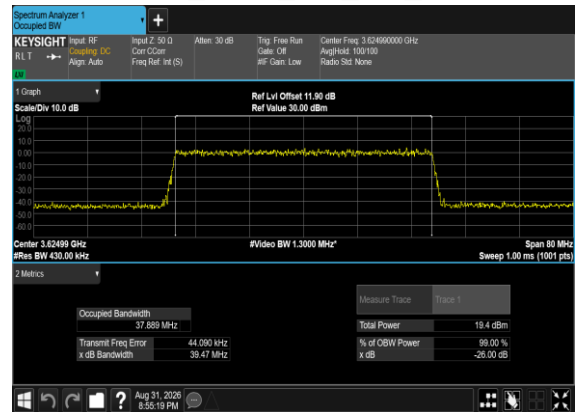
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QAM_Outer_Full_Mid_CHN48(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CHN48(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CHN48(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CHN48(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N48(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N48(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





Adjacent Channel Leakage Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Lower Margin	Upper Margin	Result	Verdict
48	30	10	637000	3555.0	DFT-s-OFDM PI/2 BPSK	24@0	-16.05	-15.53	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM PI/2 BPSK	1@0	-11.46	-22.45	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM PI/2 BPSK	1@23	-22.41	-11.81	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM QPSK	24@0	-14.77	-15.29	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM QPSK	1@0	-10.15	-21.72	see graph	PASS
48	30	10	637000	3555.0	DFT-s-OFDM QPSK	1@23	-21.88	-11.61	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	24@0	-16.31	-14.81	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-11.0	-20.97	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@23	-20.47	-11.54	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	24@0	-13.56	-15.38	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@0	-11.25	-20.7	see graph	PASS
48	30	10	641666	3624.99	DFT-s-OFDM QPSK	1@23	-20.64	-11.97	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	24@0	-14.29	-15.33	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	1@0	-9.62	-18.57	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM PI/2 BPSK	1@23	-19.83	-11.62	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	24@0	-13.53	-13.57	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@0	-10.21	-18.96	see graph	PASS
48	30	10	646332	3694.98	DFT-s-OFDM QPSK	1@23	-17.8	-9.76	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	50@0	-17.46	-18.41	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	1@0	-11.33	-18.05	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	1@50	-20.16	-12.42	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	50@0	-15.3	-16.22	see graph	PASS
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	-11.98	-18.28	see graph	PASS

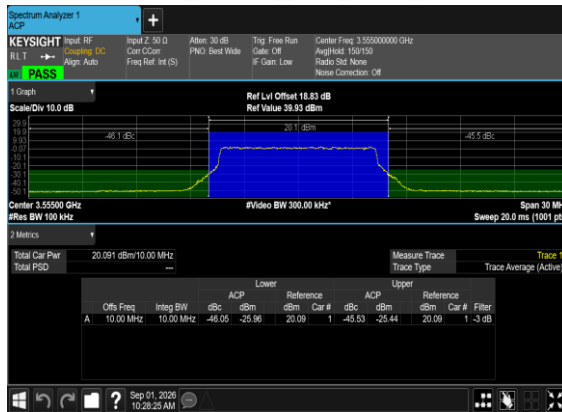


48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@50	-19.33	-12.04	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	50@0	-16.12	-16.19	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-10.78	-18.03	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@50	-17.06	-11.7	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	-13.69	-14.29	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	-10.08	-15.93	see graph	PASS
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@50	-17.22	-11.73	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM PI/2 BPSK	50@0	-14.86	-15.24	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM PI/2 BPSK	1@0	-10.69	-15.93	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM PI/2 BPSK	1@50	-14.88	-9.97	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	50@0	-13.13	-13.53	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@0	-10.16	-14.79	see graph	PASS
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@50	-15.5	-10.69	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM PI/2 BPSK	100@0	-14.16	-13.81	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM PI/2 BPSK	1@0	-12.19	-14.87	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM PI/2 BPSK	1@105	-13.97	-11.37	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	100@0	-13.47	-13.1	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@0	-11.59	-13.18	see graph	PASS
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@105	-14.19	-11.89	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	100@0	-13.84	-13.42	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@0	-10.86	-12.23	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@105	-13.6	-11.19	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	100@0	-13.2	-12.48	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@0	-12.2	-13.93	see graph	PASS
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@105	-14.17	-11.67	see graph	PASS

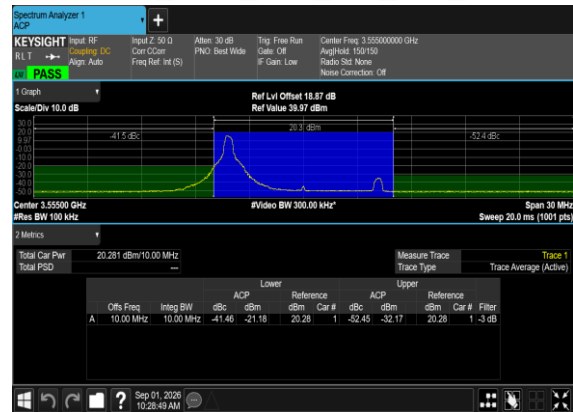


48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	100@0	-13.18	-12.63	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@0	-11.02	-12.93	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@105	-13.53	-11.2	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	100@0	-12.45	-11.99	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@0	-10.99	-12.11	see graph	PASS
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@105	-12.47	-10.07	see graph	PASS

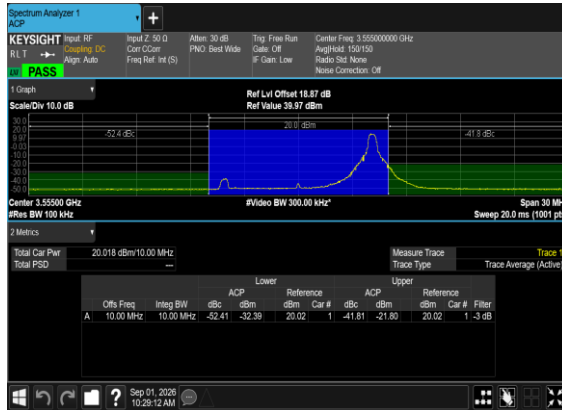
N48(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



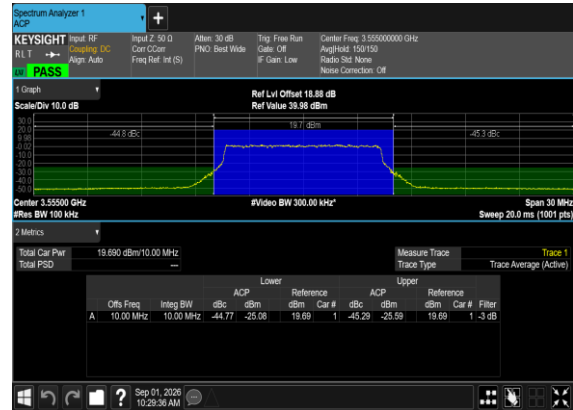
N48(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



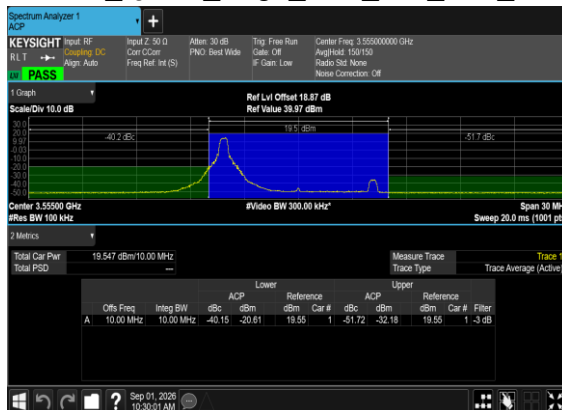
N48(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Right_Low_CH



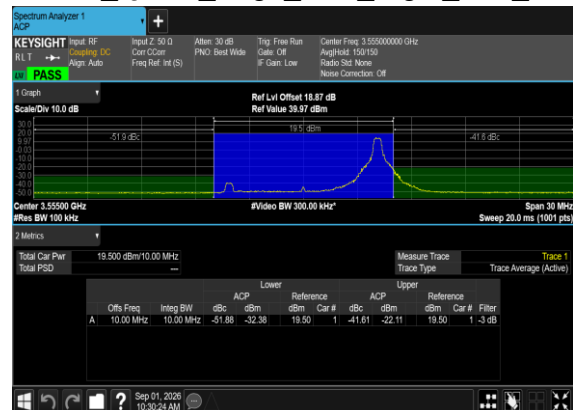
N48(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

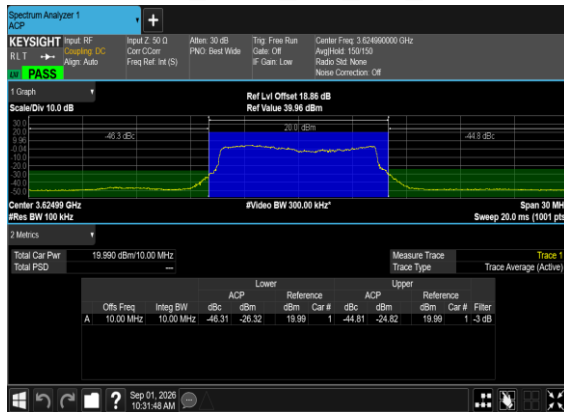
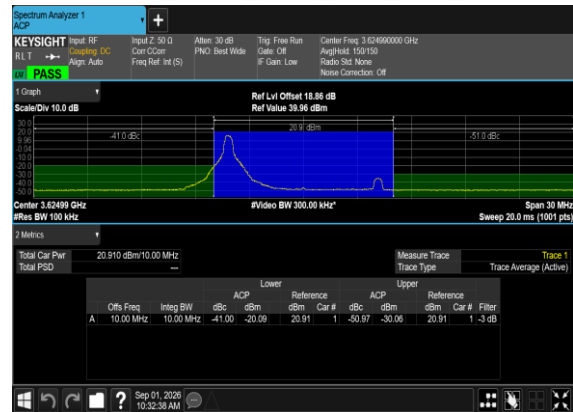
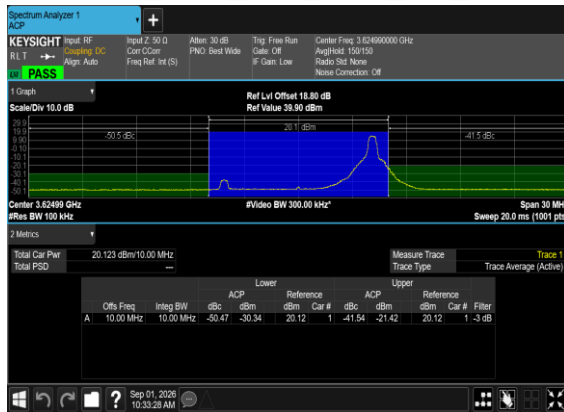
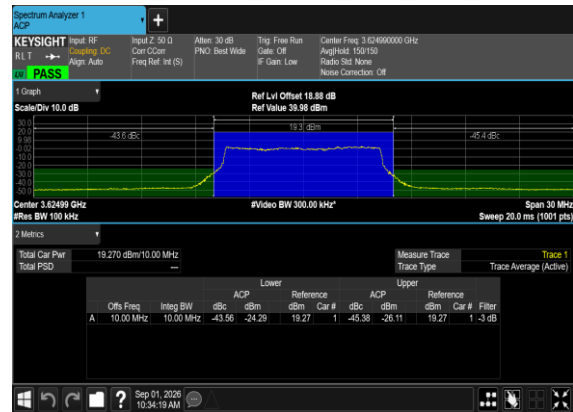
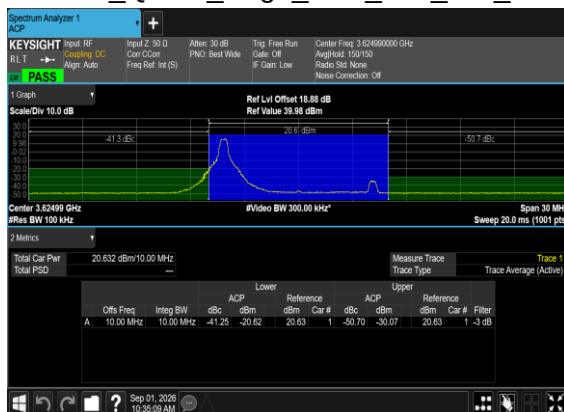


N48(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



N48(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CHN48(10M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Mid_CHN48(10M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Right_Mid_CHN48(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CHN48(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN48(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_Mid_CH