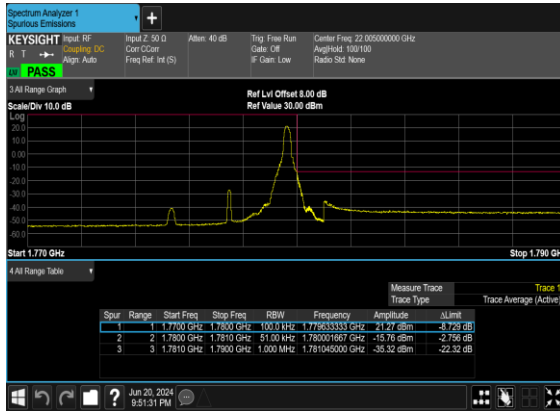




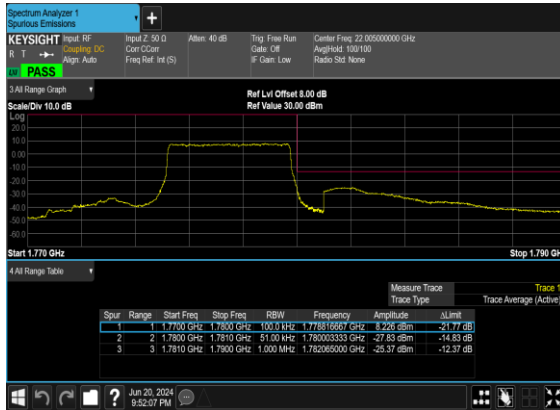
B2_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



B2_N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B2_N66(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

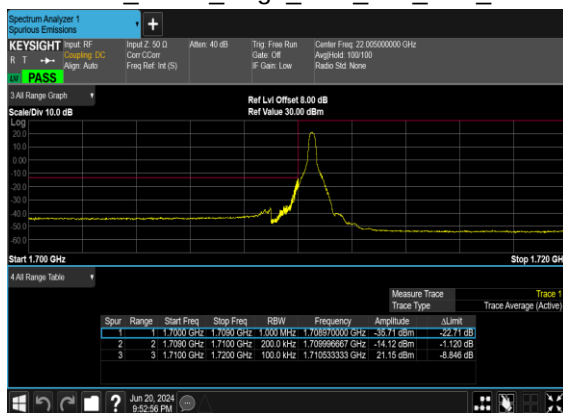


B2_N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

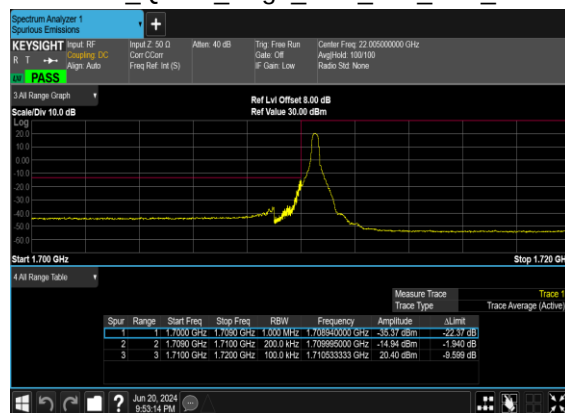




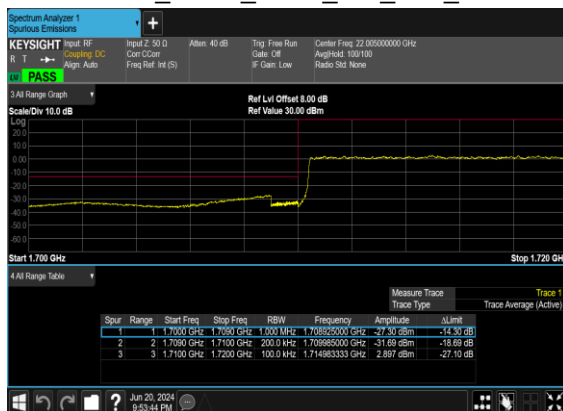
B2_N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



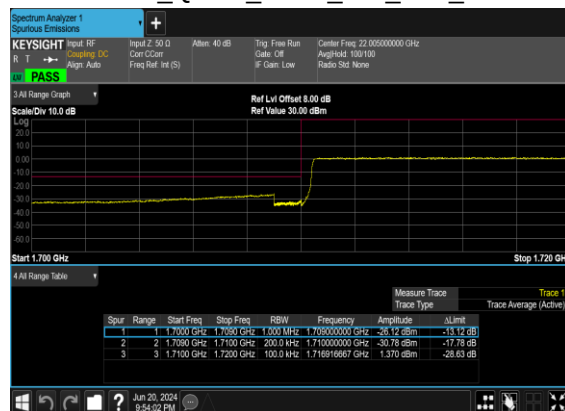
B2_N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

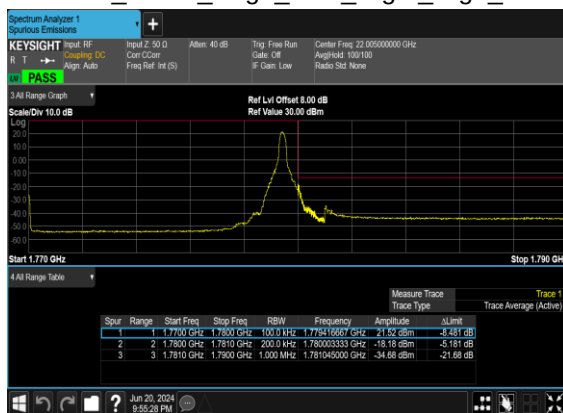
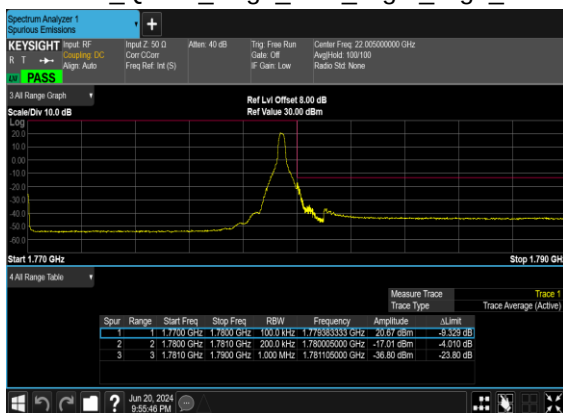
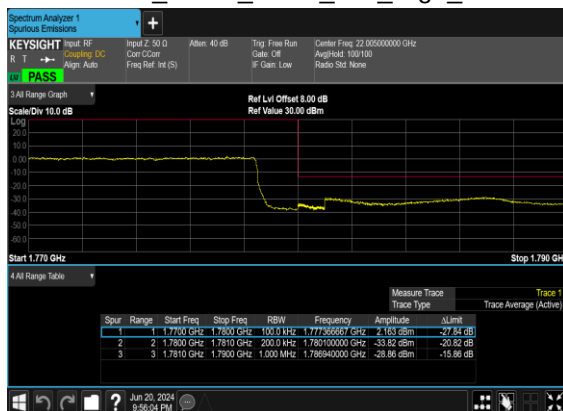
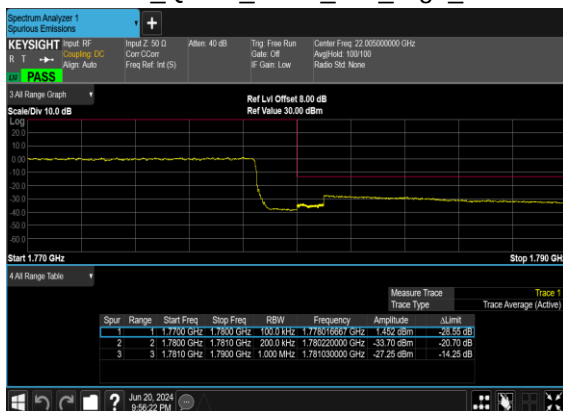


B2_N66(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



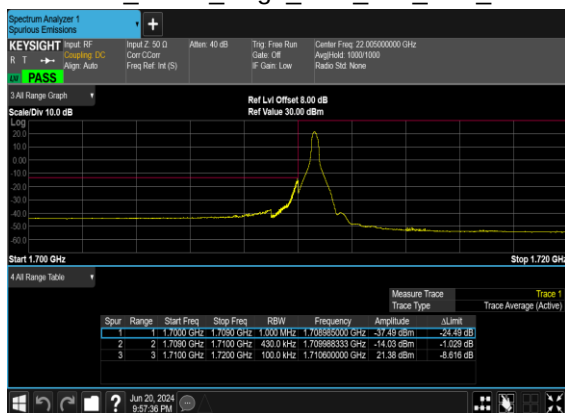
B2_N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



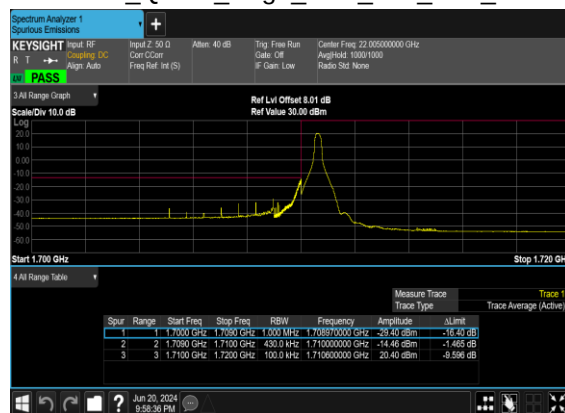
B2_N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHB2_N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CHB2_N66(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CHB2_N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



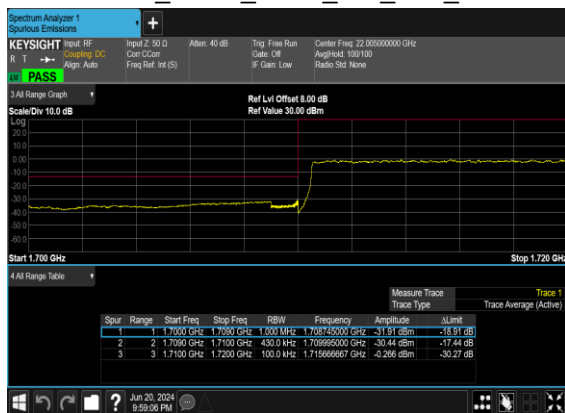
B2_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



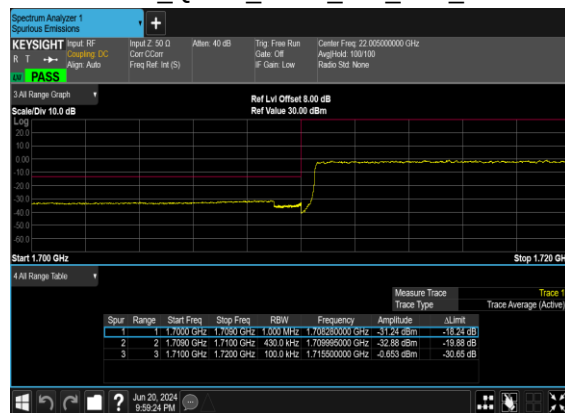
B2_N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N66(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

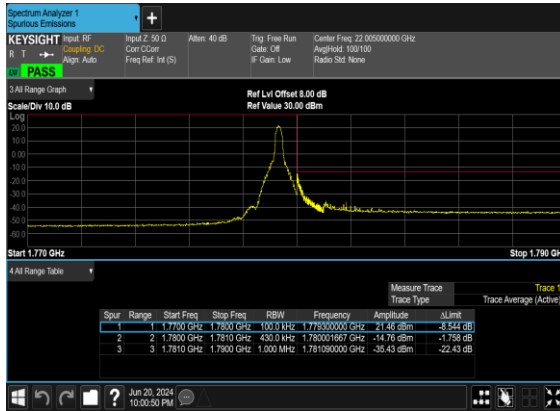


B2_N66(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

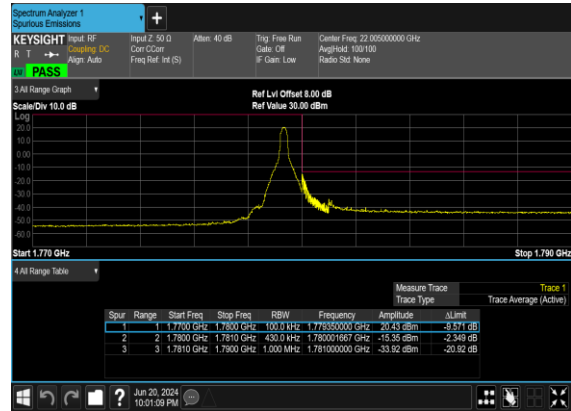




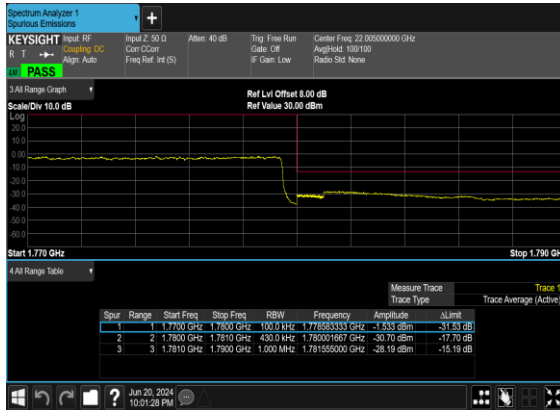
B2_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



B2_N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B2_N66(40M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



B2_N66(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N66(Other PA)

LTE Band: 48, LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=1.47dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@1	24.06	25.53	0.3573
66	15	5	342500	1712.5	DFT-s-OFDM 16 QAM	1@1	22.87	24.34	0.2716
66	15	5	349000	1745	DFT-s-OFDM QPSK	1@1	23.98	25.45	0.3508
66	15	5	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.95	24.42	0.2767
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@1	24.15	25.62	0.3648
66	15	5	355500	1777.5	DFT-s-OFDM 16 QAM	1@1	22.96	24.43	0.2773
66	15	10	343000	1715	DFT-s-OFDM QPSK	1@1	24.07	25.54	0.3581
66	15	10	343000	1715	DFT-s-OFDM 16 QAM	1@1	23	24.47	0.2799
66	15	10	349000	1745	DFT-s-OFDM QPSK	1@1	23.9	25.37	0.3443
66	15	10	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.79	24.26	0.2667
66	15	10	355000	1775	DFT-s-OFDM QPSK	1@1	24.21	25.68	0.3698
66	15	10	355000	1775	DFT-s-OFDM 16 QAM	1@1	23.14	24.61	0.2891
66	15	15	343500	1717.5	DFT-s-OFDM QPSK	1@1	24.07	25.54	0.3581
66	15	15	343500	1717.5	DFT-s-OFDM 16 QAM	1@1	22.96	24.43	0.2773
66	15	15	349000	1745	DFT-s-OFDM QPSK	1@1	23.97	25.44	0.3499
66	15	15	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.83	24.3	0.2692
66	15	15	354500	1772.5	DFT-s-OFDM QPSK	1@1	24.15	25.62	0.3648



66	15	15	354500	1772.5	DFT-s-OFDM 16 QAM	1@1	23.06	24.53	0.2838
66	15	20	344000	1720	DFT-s-OFDM QPSK	1@1	24.07	25.54	0.3581
66	15	20	344000	1720	DFT-s-OFDM 16 QAM	1@1	22.99	24.46	0.2793
66	15	20	349000	1745	DFT-s-OFDM QPSK	1@1	24.01	25.48	0.3532
66	15	20	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.98	24.45	0.2786
66	15	20	354000	1770	DFT-s-OFDM QPSK	1@1	24.11	25.58	0.3614
66	15	20	354000	1770	DFT-s-OFDM 16 QAM	1@1	22.91	24.38	0.2742
66	15	30	345000	1725	DFT-s-OFDM QPSK	1@1	24.14	25.61	0.3639
66	15	30	345000	1725	DFT-s-OFDM 16 QAM	1@1	23.07	24.54	0.2844
66	15	30	349000	1745	DFT-s-OFDM QPSK	1@1	24.01	25.48	0.3532
66	15	30	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.6	24.07	0.2553
66	15	30	353000	1765	DFT-s-OFDM QPSK	1@1	23.89	25.36	0.3436
66	15	30	353000	1765	DFT-s-OFDM 16 QAM	1@1	22.73	24.2	0.2630
66	15	40	346000	1730	DFT-s-OFDM PI/2 BPSK	108@54	23.84	25.31	0.3396
66	15	40	346000	1730	DFT-s-OFDM PI/2 BPSK	1@1	23.9	25.37	0.3443
66	15	40	346000	1730	DFT-s-OFDM PI/2 BPSK	1@214	23.58	25.05	0.3199
66	15	40	346000	1730	DFT-s-OFDM QPSK	108@54	23.91	25.38	0.3451
66	15	40	346000	1730	DFT-s-OFDM QPSK	1@1	23.93	25.4	0.3467
66	15	40	346000	1730	DFT-s-OFDM QPSK	1@214	23.63	25.1	0.3236
66	15	40	346000	1730	DFT-s-OFDM 16 QAM	108@54	22.88	24.35	0.2723
66	15	40	346000	1730	DFT-s-OFDM 16 QAM	1@1	22.85	24.32	0.2704
66	15	40	346000	1730	DFT-s-OFDM 16 QAM	1@214	22.38	23.85	0.2427



66	15	40	346000	1730	DFT-s-OFDM 64 QAM	108@54	21.37	22.84	0.1923
66	15	40	346000	1730	DFT-s-OFDM 64 QAM	1@1	21.34	22.81	0.1910
66	15	40	346000	1730	DFT-s-OFDM 64 QAM	1@214	21.42	22.89	0.1945
66	15	40	346000	1730	DFT-s-OFDM 256 QAM	108@54	19.34	20.81	0.1205
66	15	40	346000	1730	DFT-s-OFDM 256 QAM	1@1	18.03	19.5	0.0891
66	15	40	346000	1730	DFT-s-OFDM 256 QAM	1@214	17.91	19.38	0.0867
66	15	40	346000	1730	CP-OFDM QPSK	108@54	22.41	23.88	0.2443
66	15	40	346000	1730	CP-OFDM QPSK	1@1	22.36	23.83	0.2415
66	15	40	346000	1730	CP-OFDM QPSK	1@214	22.22	23.69	0.2339
66	15	40	349000	1745	DFT-s-OFDM PI/2 BPSK	108@54	23.66	25.13	0.3258
66	15	40	349000	1745	DFT-s-OFDM PI/2 BPSK	1@1	24.13	25.6	0.3631
66	15	40	349000	1745	DFT-s-OFDM PI/2 BPSK	1@214	23.96	25.43	0.3491
66	15	40	349000	1745	DFT-s-OFDM QPSK	108@54	23.61	25.08	0.3221
66	15	40	349000	1745	DFT-s-OFDM QPSK	1@1	24.22	25.69	0.3707
66	15	40	349000	1745	DFT-s-OFDM QPSK	1@214	23.92	25.39	0.3459
66	15	40	349000	1745	DFT-s-OFDM 16 QAM	108@54	22.61	24.08	0.2559
66	15	40	349000	1745	DFT-s-OFDM 16 QAM	1@1	23.08	24.55	0.2851
66	15	40	349000	1745	DFT-s-OFDM 16 QAM	1@214	22.89	24.36	0.2729
66	15	40	349000	1745	DFT-s-OFDM 64 QAM	108@54	21.14	22.61	0.1824
66	15	40	349000	1745	DFT-s-OFDM 64 QAM	1@1	21.74	23.21	0.2094
66	15	40	349000	1745	DFT-s-OFDM 64 QAM	1@214	21.54	23.01	0.2000
66	15	40	349000	1745	DFT-s-OFDM 256 QAM	108@54	19.05	20.52	0.1127
66	15	40	349000	1745	DFT-s-OFDM 256 QAM	1@1	18.24	19.71	0.0935



66	15	40	349000	1745	DFT-s-OFDM 256 QAM	1@214	18.27	19.74	0.0942
66	15	40	349000	1745	CP-OFDM QPSK	108@54	22.1	23.57	0.2275
66	15	40	349000	1745	CP-OFDM QPSK	1@1	22.58	24.05	0.2541
66	15	40	349000	1745	CP-OFDM QPSK	1@214	22.56	24.03	0.2529
66	15	40	352000	1760	DFT-s-OFDM PI/2 BPSK	108@54	23.75	25.22	0.3327
66	15	40	352000	1760	DFT-s-OFDM PI/2 BPSK	1@1	23.64	25.11	0.3243
66	15	40	352000	1760	DFT-s-OFDM PI/2 BPSK	1@214	23.86	25.33	0.3412
66	15	40	352000	1760	DFT-s-OFDM QPSK	108@54	23.67	25.14	0.3266
66	15	40	352000	1760	DFT-s-OFDM QPSK	1@1	23.68	25.15	0.3273
66	15	40	352000	1760	DFT-s-OFDM QPSK	1@214	23.93	25.4	0.3467
66	15	40	352000	1760	DFT-s-OFDM 16 QAM	108@54	22.73	24.2	0.2630
66	15	40	352000	1760	DFT-s-OFDM 16 QAM	1@1	22.66	24.13	0.2588
66	15	40	352000	1760	DFT-s-OFDM 16 QAM	1@214	22.87	24.34	0.2716
66	15	40	352000	1760	DFT-s-OFDM 64 QAM	108@54	21.15	22.62	0.1828
66	15	40	352000	1760	DFT-s-OFDM 64 QAM	1@1	21.31	22.78	0.1897
66	15	40	352000	1760	DFT-s-OFDM 64 QAM	1@214	21.53	23	0.1995
66	15	40	352000	1760	DFT-s-OFDM 256 QAM	108@54	19.14	20.61	0.1151
66	15	40	352000	1760	DFT-s-OFDM 256 QAM	1@1	17.82	19.29	0.0849
66	15	40	352000	1760	DFT-s-OFDM 256 QAM	1@214	18.41	19.88	0.0973
66	15	40	352000	1760	CP-OFDM QPSK	108@54	22.27	23.74	0.2366
66	15	40	352000	1760	CP-OFDM QPSK	1@1	22.13	23.6	0.2291
66	15	40	352000	1760	CP-OFDM QPSK	1@214	22.47	23.94	0.2477



Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0035	PASS	NV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0020	PASS	LV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0062	PASS	HV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0035	PASS	-30℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0064	PASS	-20℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0054	PASS	-10℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0029	PASS	0℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0044	PASS	10℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0035	PASS	20℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0048	PASS	30℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0045	PASS	40℃
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	0.0037	PASS	50℃



Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	3.94	13	PASS
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	5.28	13	PASS



B48_N66(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



B48_N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH





Occupied Bandwidth

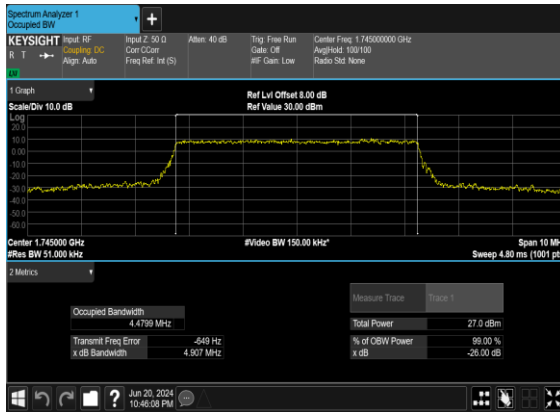
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
66	15	5	349000	1745.0	CP-OFDM QPSK	25@0	4.4799	4.907
66	15	5	349000	1745.0	CP-OFDM 16 QAM	25@0	4.4794	4.952
66	15	5	349000	1745.0	CP-OFDM 64 QAM	25@0	4.4627	4.844
66	15	5	349000	1745.0	CP-OFDM 256 QAM	25@0	4.4778	4.857
66	15	10	349000	1745.0	CP-OFDM QPSK	52@0	9.2824	9.896
66	15	10	349000	1745.0	CP-OFDM 16 QAM	52@0	9.2891	9.825
66	15	10	349000	1745.0	CP-OFDM 64 QAM	52@0	9.2622	9.764
66	15	10	349000	1745.0	CP-OFDM 256 QAM	52@0	9.2824	9.821
66	15	15	349000	1745.0	CP-OFDM QPSK	79@0	14.086	14.7
66	15	15	349000	1745.0	CP-OFDM 16 QAM	79@0	14.073	14.77
66	15	15	349000	1745.0	CP-OFDM 64 QAM	79@0	14.093	14.76
66	15	15	349000	1745.0	CP-OFDM 256 QAM	79@0	14.075	14.81
66	15	20	349000	1745.0	CP-OFDM QPSK	106@0	18.879	19.65
66	15	20	349000	1745.0	CP-OFDM 16 QAM	106@0	18.924	19.7
66	15	20	349000	1745.0	CP-OFDM 64 QAM	106@0	18.911	19.61
66	15	20	349000	1745.0	CP-OFDM 256 QAM	106@0	18.869	19.65
66	15	30	349000	1745.0	CP-OFDM QPSK	160@0	28.567	29.54
66	15	30	349000	1745.0	CP-OFDM 16 QAM	160@0	28.521	29.62
66	15	30	349000	1745.0	CP-OFDM 64 QAM	160@0	28.451	29.57
66	15	30	349000	1745.0	CP-OFDM 256 QAM	160@0	28.578	29.5
66	15	40	349000	1745.0	CP-OFDM QPSK	216@0	38.579	39.85
66	15	40	349000	1745.0	CP-OFDM 16 QAM	216@0	38.498	39.85



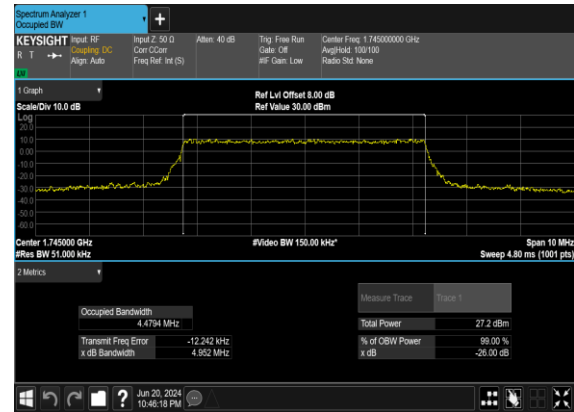
66	15	40	349000	1745.0	CP-OFDM 64 QAM	216@0	38.606	39.84
66	15	40	349000	1745.0	CP-OFDM 256 QAM	216@0	38.508	39.83



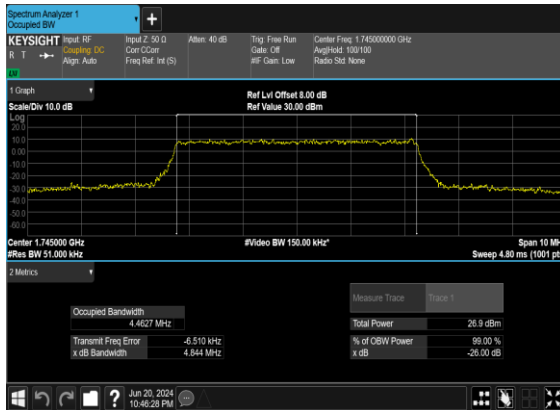
B48_N66(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



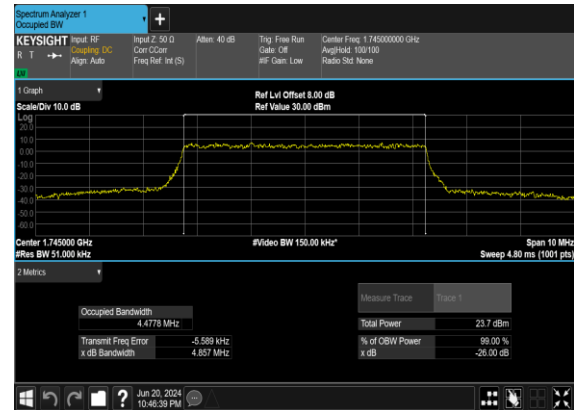
B48_N66(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B48_N66(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

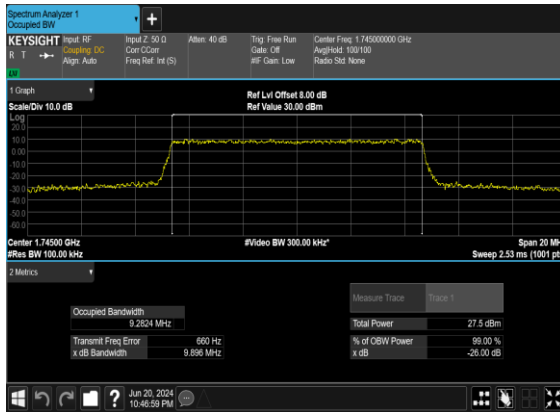


B48_N66(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

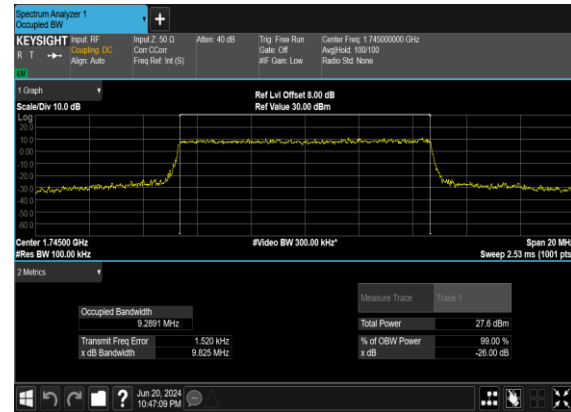




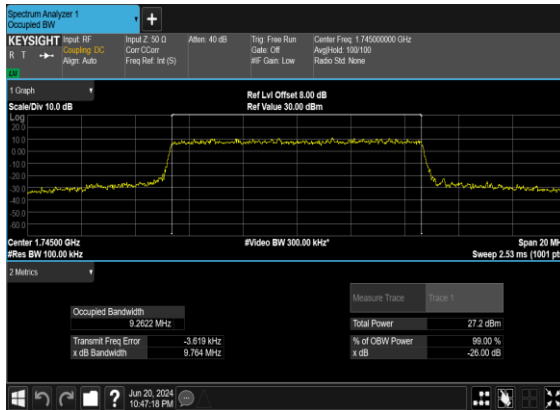
B48_N66(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



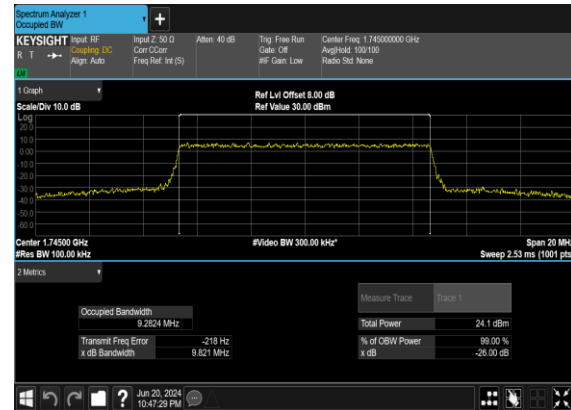
B48_N66(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B48_N66(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

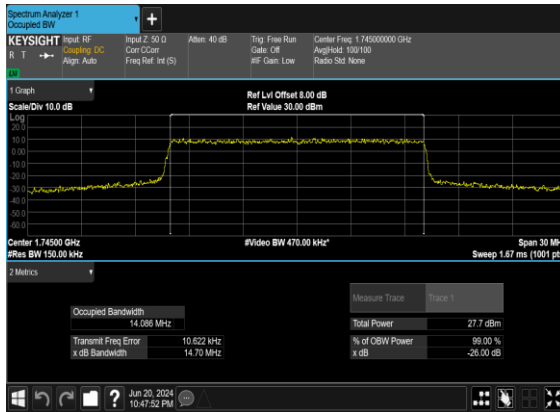


B48_N66(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

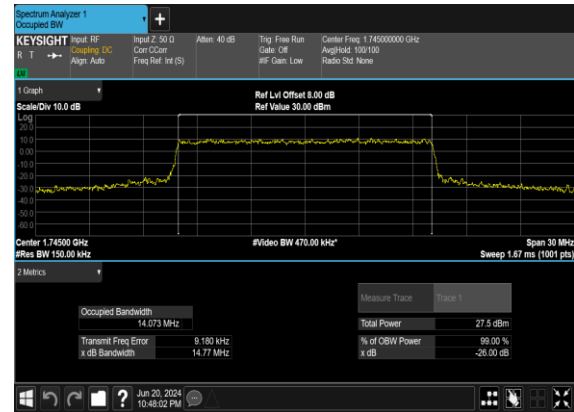




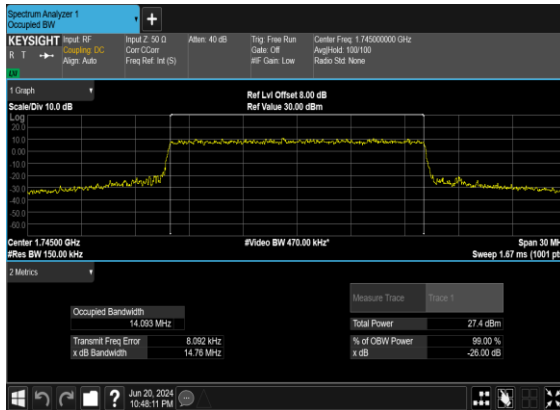
B48_N66(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



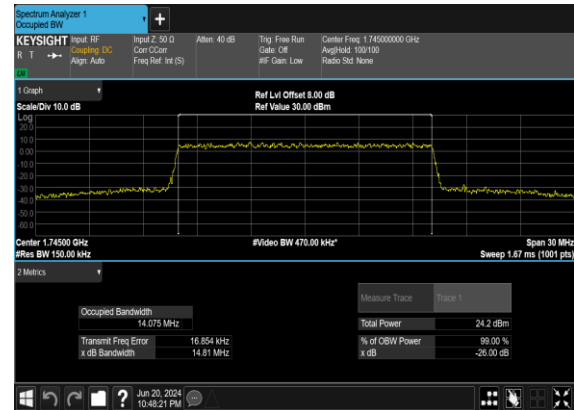
B48_N66(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B48_N66(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

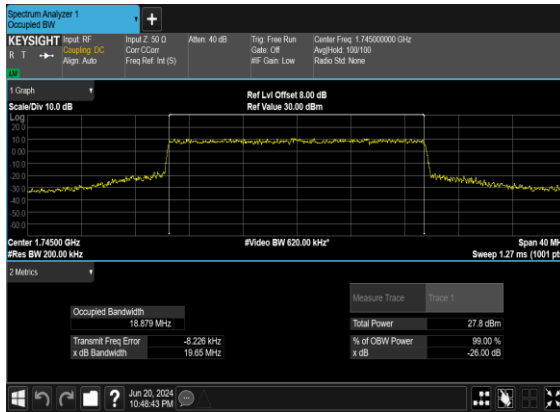


B48_N66(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

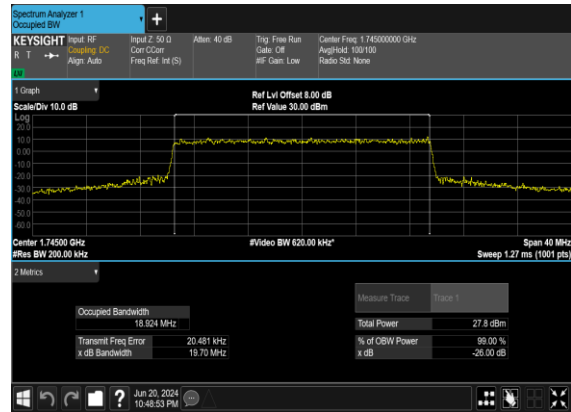




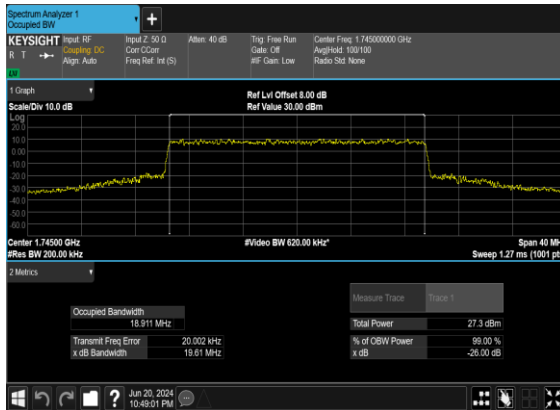
B48_N66(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



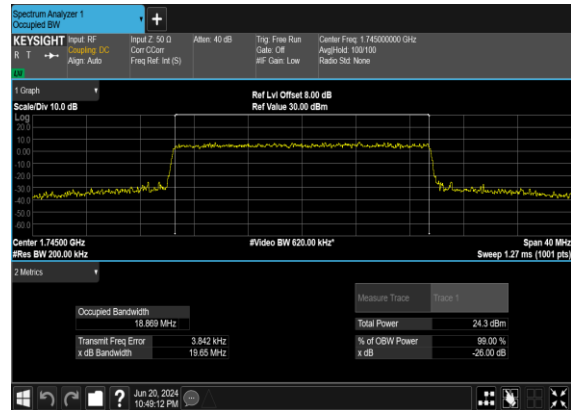
B48_N66(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B48_N66(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

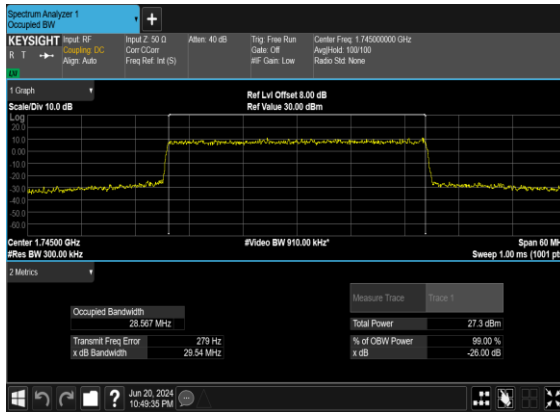


B48_N66(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

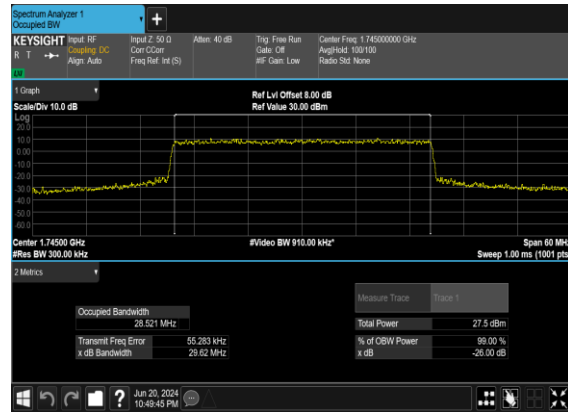




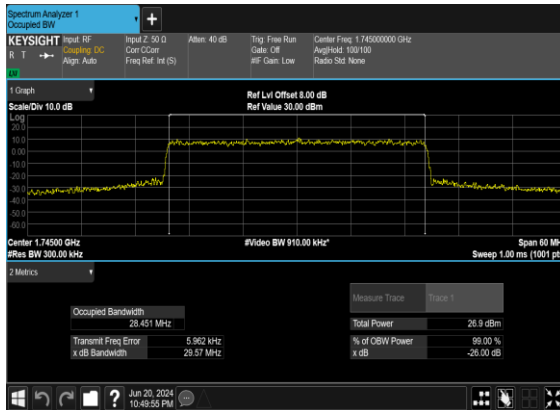
B48_N66(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



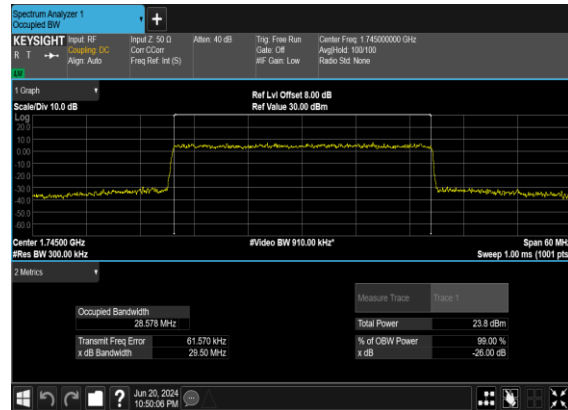
B48_N66(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B48_N66(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

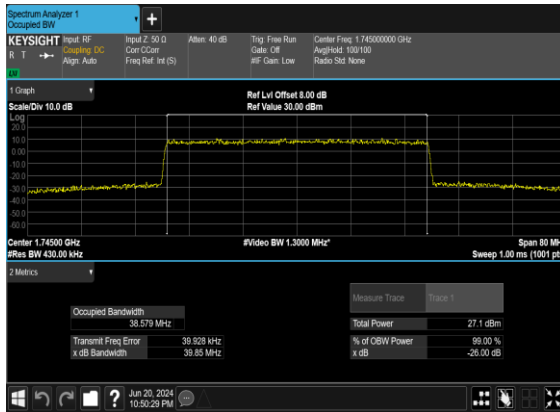


B48_N66(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

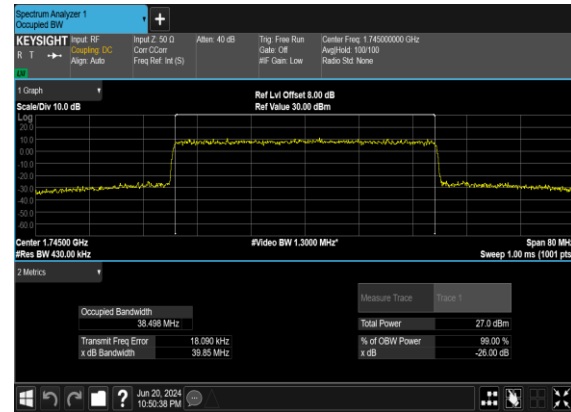




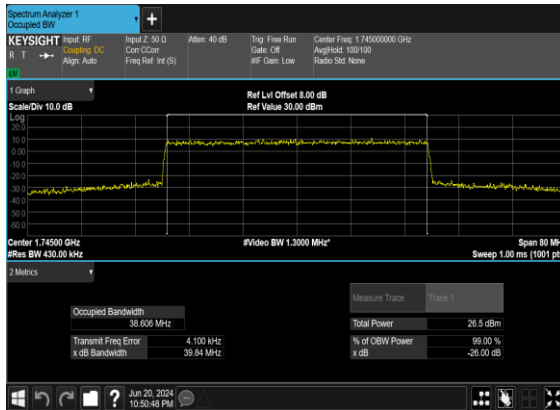
B48_N66(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



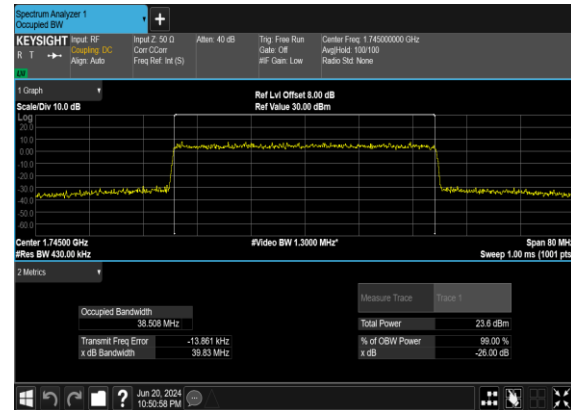
B48_N66(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B48_N66(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



B48_N66(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



**Conducted Spurious Emissions**

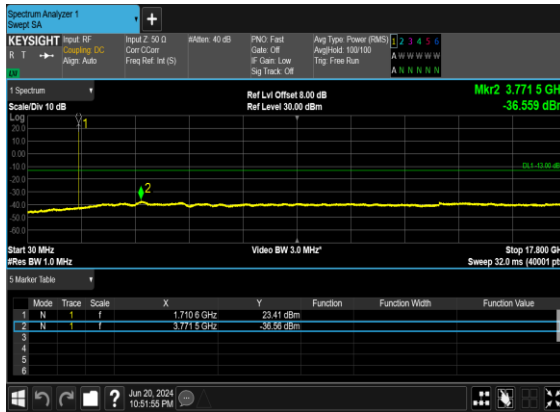
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	20	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS



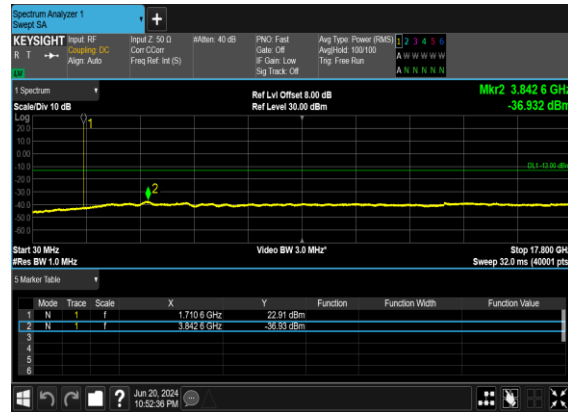
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	346000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	40	346000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	40	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	352000	1760.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	40	352000	1760.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	1@0	see graph	PASS



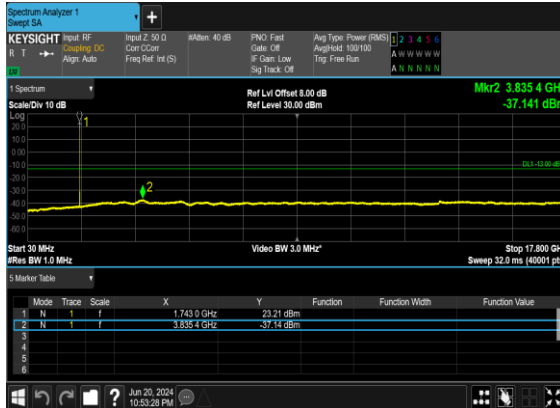
B48_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



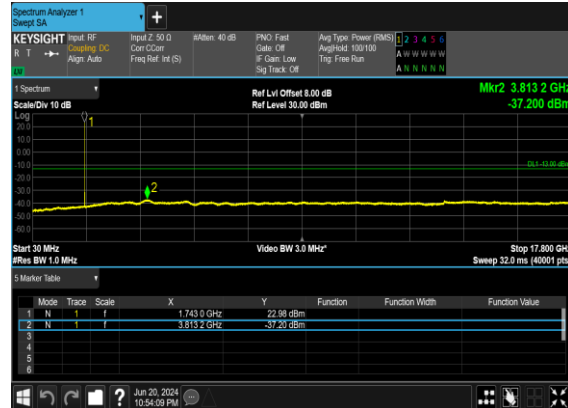
B48_N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B48_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

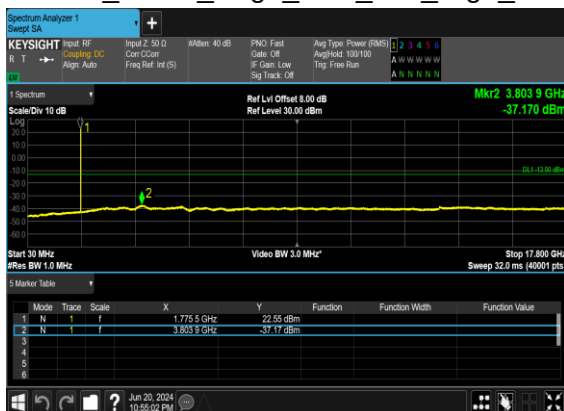


B48_N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

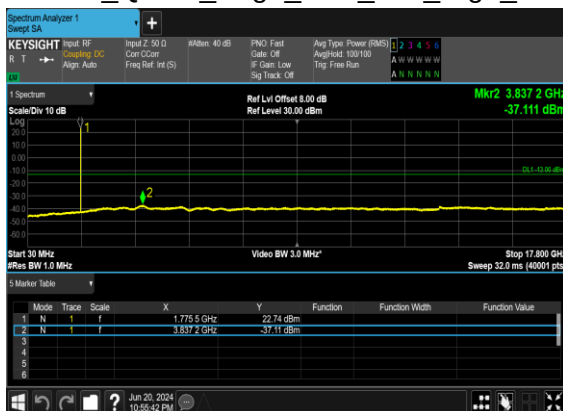




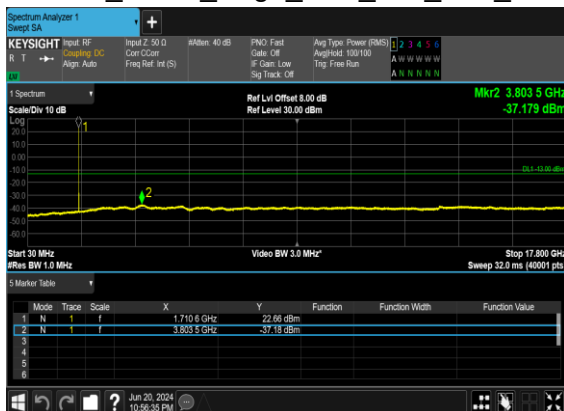
B48_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



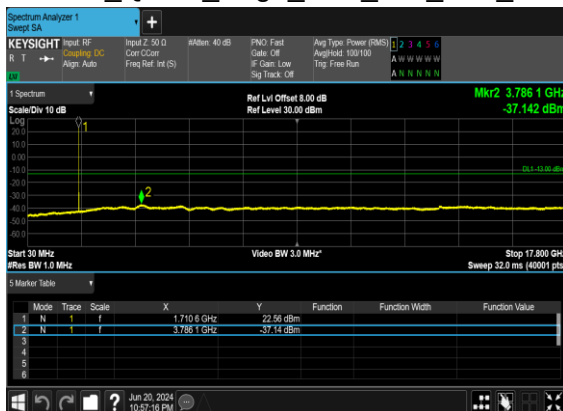
B48_N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



B48_N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH

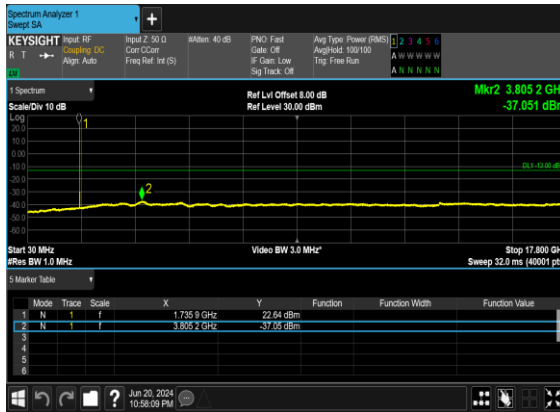


B48_N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

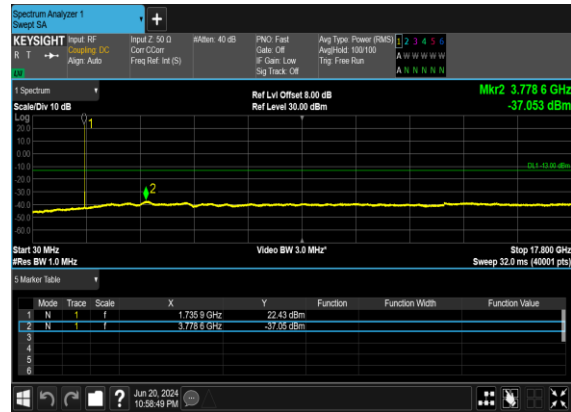




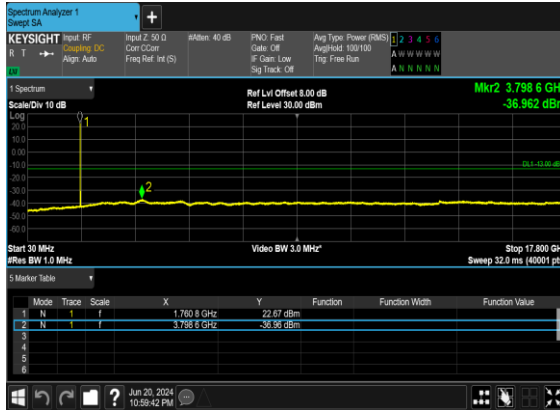
B48_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



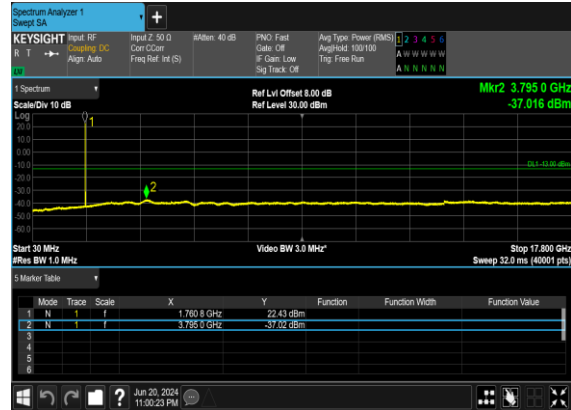
B48_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B48_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

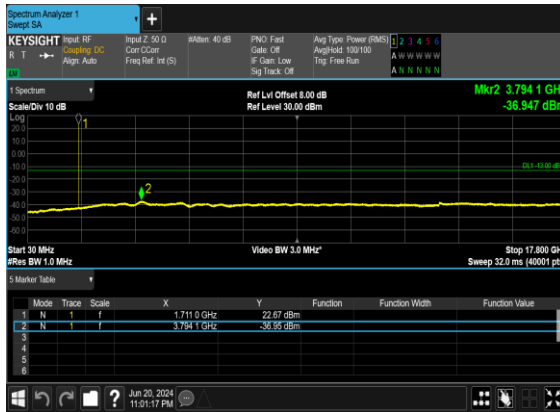


B48_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

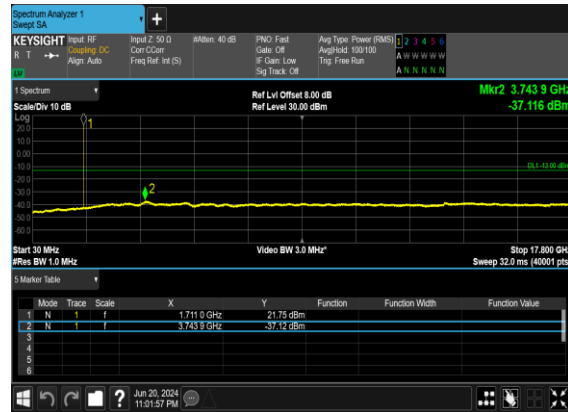




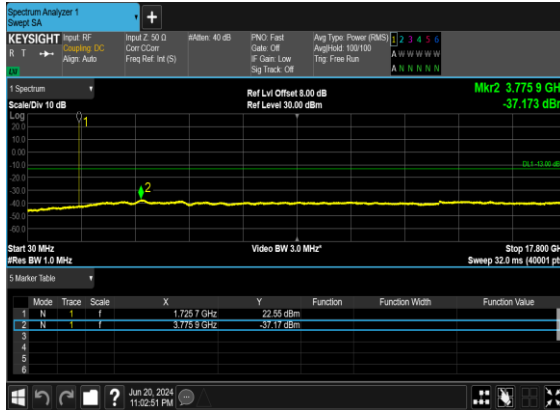
B48_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



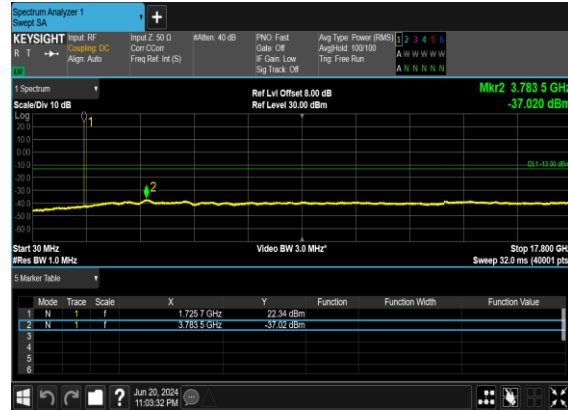
B48_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B48_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

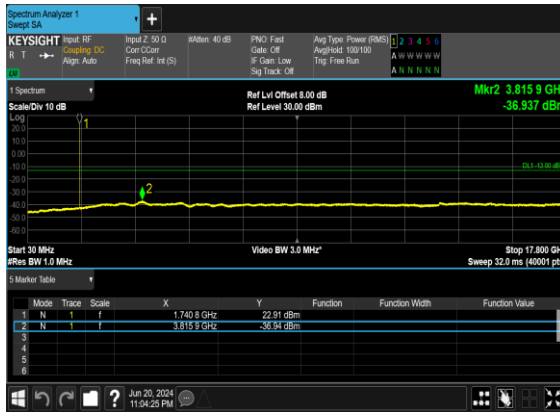


B48_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

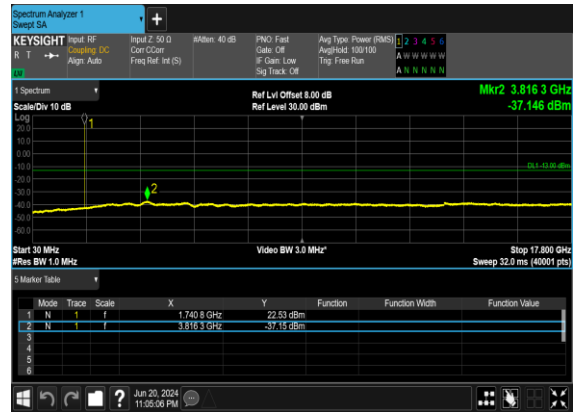




B48_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



B48_N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



**Conducted Band Edge**

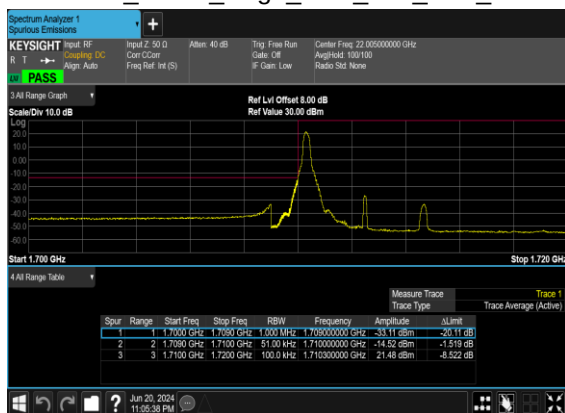
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
66	15	40	346000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	40	346000	1730.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	216@0	see graph	PASS



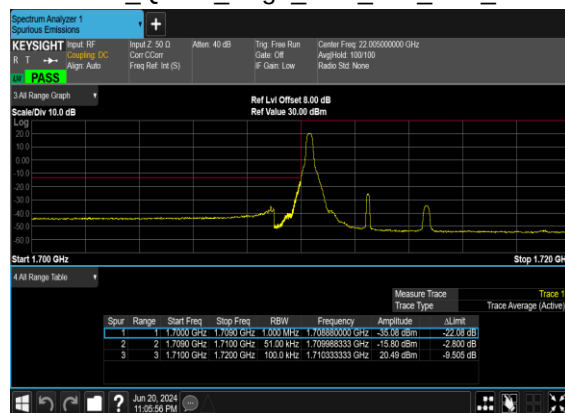
66	15	40	352000	1760.0	DFT-s-OFDM BPSK	1@215	see graph	PASS
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	1@215	see graph	PASS
66	15	40	352000	1760.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	216@0	see graph	PASS



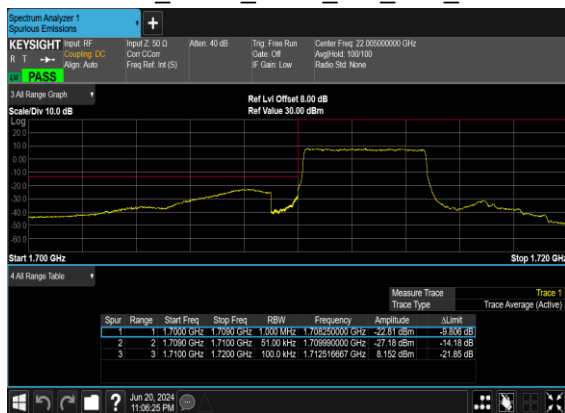
B48_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



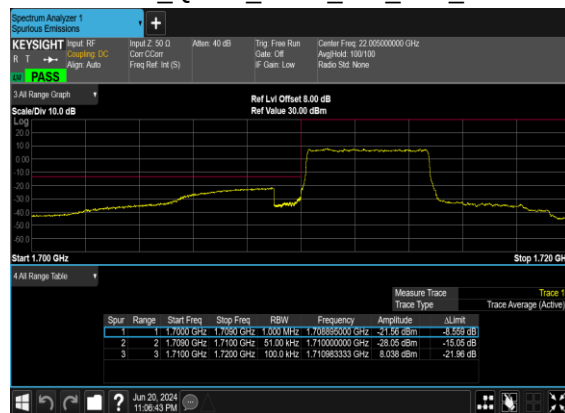
B48_N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B48_N66(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

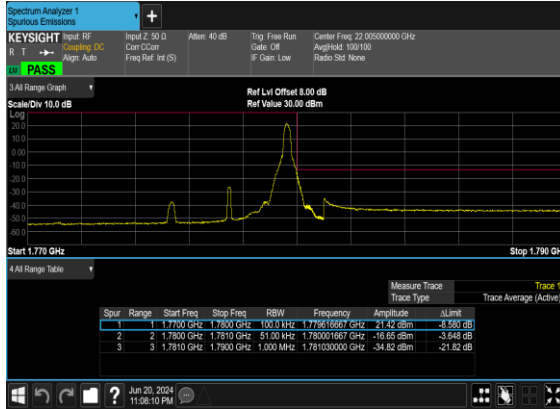


B48_N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

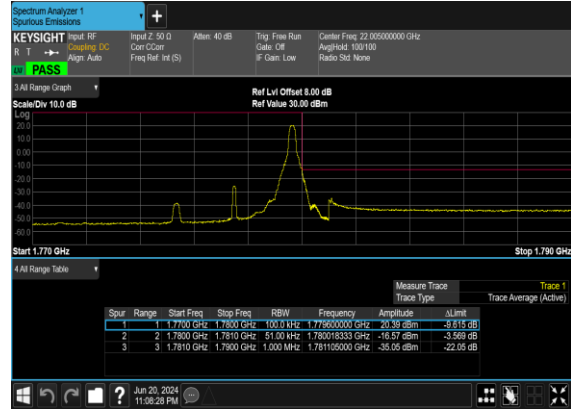




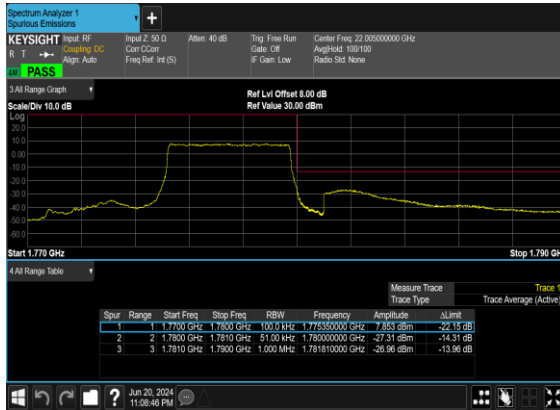
B48_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



B48_N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B48_N66(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

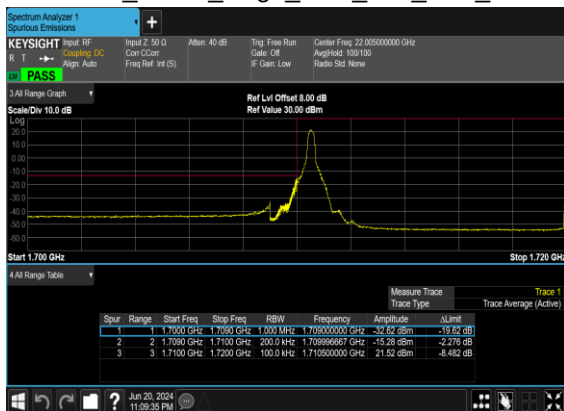


B48_N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

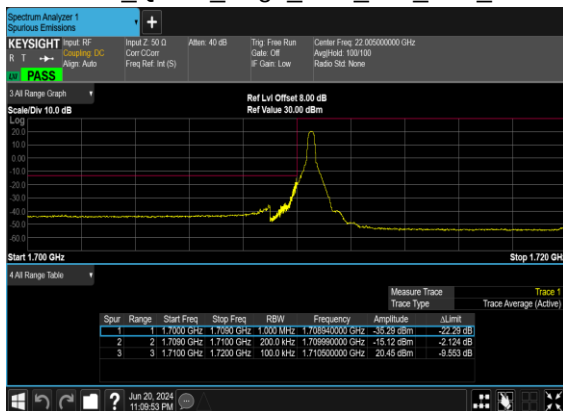




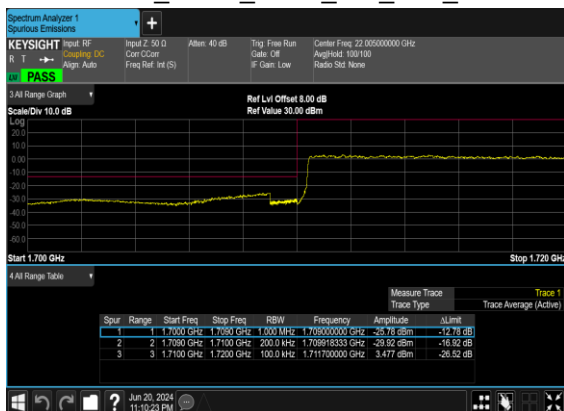
B48_N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



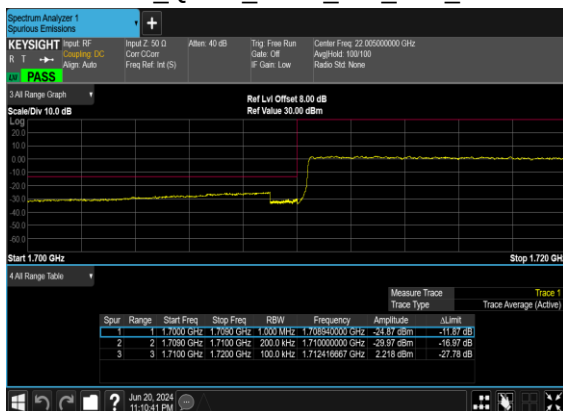
B48_N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B48_N66(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

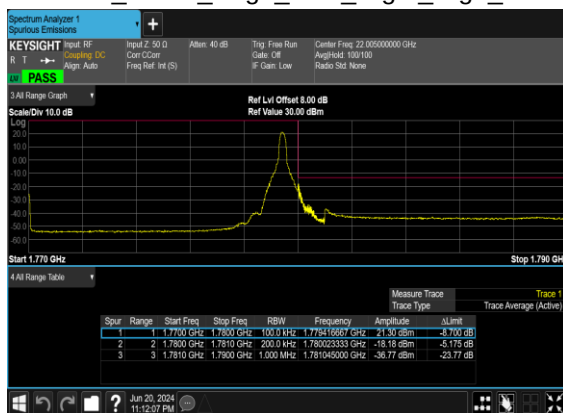


B48_N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

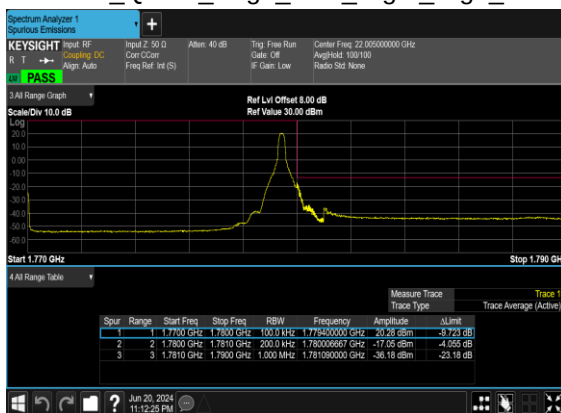




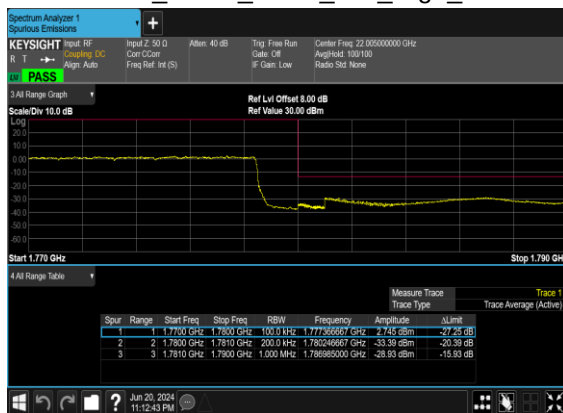
B48_N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



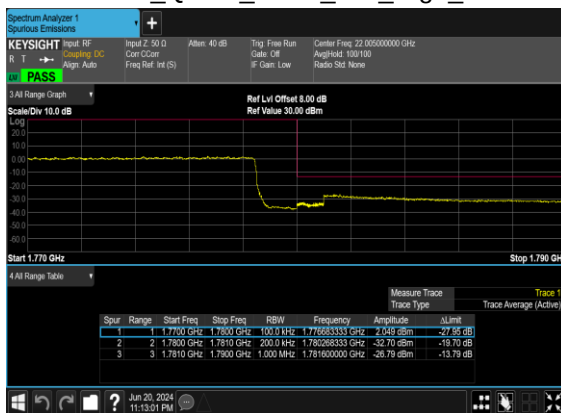
B48_N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B48_N66(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

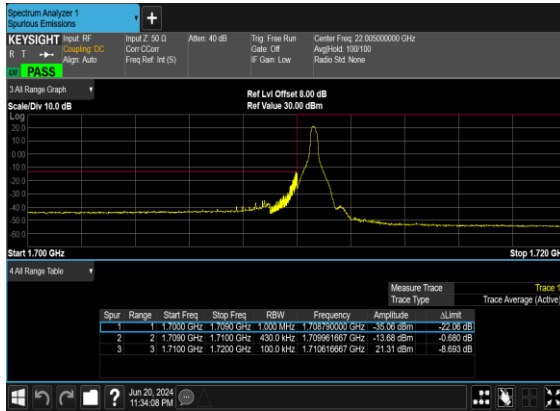


B48_N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

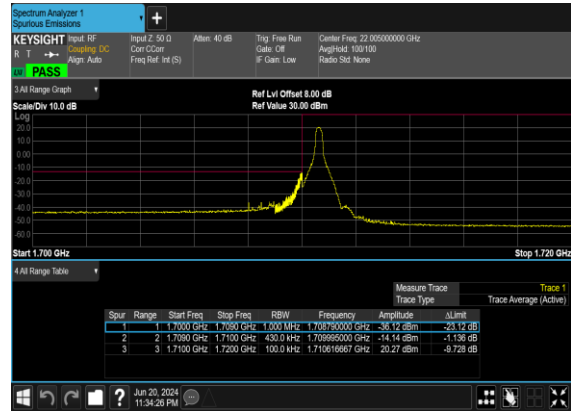




B48_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



B48_N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B48_N66(40M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

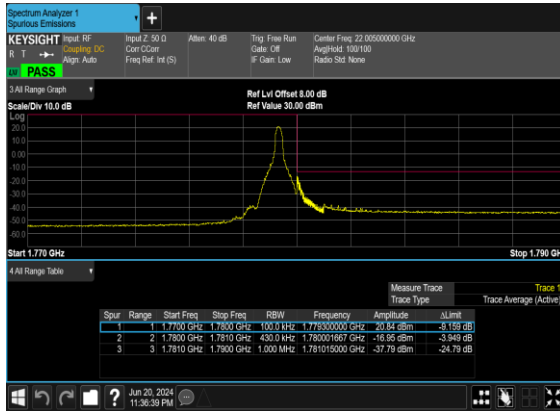


B48_N66(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

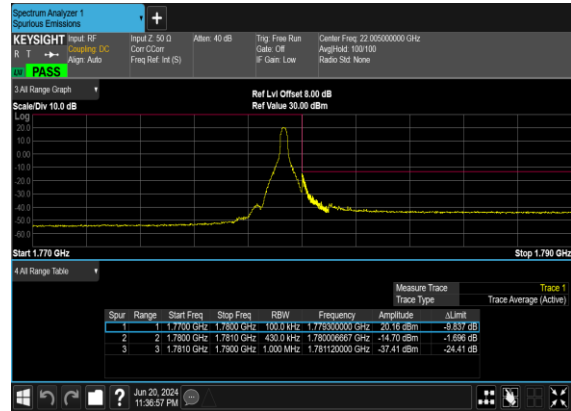




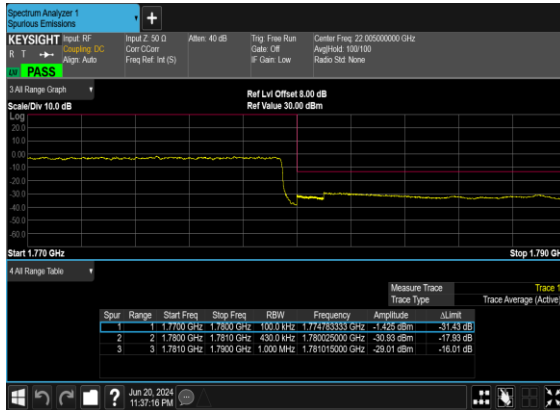
B48_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



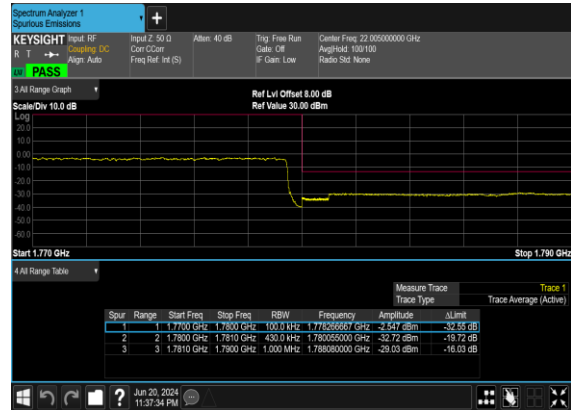
B48_N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B48_N66(40M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



B48_N66(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

n25 SA / NR 40MHz / QPSK(ANT2)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3705	-56.15	-13	-43.15	-68.41	2.64	14.90	H
	5550	-55.66	-13	-42.66	-67.52	2.94	14.80	H
	7410	-54.83	-13	-41.83	-64.60	3.39	13.16	H
	3705	-55.97	-13	-42.97	-68.23	2.64	14.90	V
	5550	-54.69	-13	-41.69	-66.55	2.94	14.80	V
	7410	-54.68	-13	-41.68	-64.45	3.39	13.16	V
Middle	3735	-56.57	-13	-43.57	-68.83	2.64	14.90	H
	5595	-53.26	-13	-40.26	-65.12	2.94	14.80	H
	7455	-54.59	-13	-41.59	-64.36	3.39	13.16	H
	3735	-56.85	-13	-43.85	-69.11	2.64	14.90	V
	5595	-55.07	-13	-42.07	-66.93	2.94	14.80	V
	7455	-53.95	-13	-40.95	-63.72	3.39	13.16	V
Highest	3750	-56.44	-13	-43.44	-68.70	2.64	14.90	H
	5625	-55.82	-13	-42.82	-67.68	2.94	14.80	H
	7515	-54.51	-13	-41.51	-64.28	3.39	13.16	H
	3750	-56.35	-13	-43.35	-68.61	2.64	14.90	V
	5625	-55.84	-13	-42.84	-67.70	2.94	14.80	V
	7515	-54.46	-13	-41.46	-64.23	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



EN-DC_30A_n2A / LTE 10MHz + NR 20MHz / QPSK (ANT0+2)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3705	-69.01	-13	-56.01	-81.27	2.64	14.90	H
	5550	-61.41	-13	-48.41	-73.27	2.94	14.80	H
	7410	-59.08	-13	-46.08	-68.85	3.39	13.16	H
	3705	-68.84	-13	-55.84	-81.10	2.64	14.90	V
	5550	-62.55	-13	-49.55	-74.41	2.94	14.80	V
	7410	-58.85	-13	-45.85	-68.62	3.39	13.16	V
Middle	3735	-68.77	-13	-55.77	-81.03	2.64	14.90	H
	5610	-54.22	-13	-41.22	-66.08	2.94	14.80	H
	7485	-57.90	-13	-44.90	-67.67	3.39	13.16	H
	3735	-68.47	-13	-55.47	-80.73	2.64	14.90	V
	5610	-54.44	-13	-41.44	-66.30	2.94	14.80	V
	7485	-57.88	-13	-44.88	-67.65	3.39	13.16	V
Highest	3780	-68.71	-13	-55.71	-80.97	2.64	14.90	H
	5670	-61.07	-13	-48.07	-72.93	2.94	14.80	H
	7560	-58.40	-13	-45.40	-68.17	3.39	13.16	H
	3780	-68.31	-13	-55.31	-80.57	2.64	14.90	V
	5670	-62.90	-13	-49.90	-74.76	2.94	14.80	V
	7560	-58.63	-13	-45.63	-68.40	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_48A_n25A / LTE 20MHz + NR 40MHz / QPSK (ANT4+5) for Other PA								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3705	-68.72	-13	-55.72	-80.98	2.64	14.90	H
	5550	-62.23	-13	-49.23	-74.09	2.94	14.80	H
	7410	-56.96	-13	-43.96	-66.73	3.39	13.16	H
	3705	-68.84	-13	-55.84	-81.10	2.64	14.90	V
	5550	-61.80	-13	-48.80	-73.66	2.94	14.80	V
	7410	-58.43	-13	-45.43	-68.20	3.39	13.16	V
Middle	3750	-68.82	-13	-55.82	-81.08	2.64	14.90	H
	5625	-62.43	-13	-49.43	-74.29	2.94	14.80	H
	7500	-58.09	-13	-45.09	-67.86	3.39	13.16	H
	3750	-68.92	-13	-55.92	-81.18	2.64	14.90	V
	5625	-61.49	-13	-48.49	-73.35	2.94	14.80	V
	7500	-57.99	-13	-44.99	-67.76	3.39	13.16	V
Highest	3795	-68.81	-13	-55.81	-81.07	2.64	14.90	H
	5685	-61.02	-13	-48.02	-72.88	2.94	14.80	H
	7590	-58.10	-13	-45.10	-67.87	3.39	13.16	H
	3795	-68.31	-13	-55.31	-80.57	2.64	14.90	V
	5685	-62.53	-13	-49.53	-74.39	2.94	14.80	V
	7590	-57.75	-13	-44.75	-67.52	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



EN-DC_66A_n25A / LTE 20MHz + NR 40MHz / QPSK (ANT5+2)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3705	-68.36	-13	-55.36	-80.62	2.64	14.90	H
	5550	-59.59	-13	-46.59	-71.45	2.94	14.80	H
	7410	-59.34	-13	-46.34	-69.11	3.39	13.16	H
	3705	-69.05	-13	-56.05	-81.31	2.64	14.90	V
	5550	-61.20	-13	-48.20	-73.06	2.94	14.80	V
	7410	-58.92	-13	-45.92	-68.69	3.39	13.16	V
Middle	3750	-68.51	-13	-55.51	-80.77	2.64	14.90	H
	5625	-60.50	-13	-47.50	-72.36	2.94	14.80	H
	7500	-57.63	-13	-44.63	-67.40	3.39	13.16	H
	3750	-68.88	-13	-55.88	-81.14	2.64	14.90	V
	5625	-61.92	-13	-48.92	-73.78	2.94	14.80	V
	7500	-57.78	-13	-44.78	-67.55	3.39	13.16	V
Highest	3795	-68.48	-13	-55.48	-80.74	2.64	14.90	H
	5685	-61.47	-13	-48.47	-73.33	2.94	14.80	H
	7590	-57.81	-13	-44.81	-67.58	3.39	13.16	H
	3795	-68.75	-13	-55.75	-81.01	2.64	14.90	V
	5685	-62.97	-13	-49.97	-74.83	2.94	14.80	V
	7590	-58.08	-13	-45.08	-67.85	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

n26 SA / NR 20MHz / QPSK(ANT0)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1632	-60.51	-13	-47.51	-67.48	1.58	10.70	H
	2448	-61.14	-13	-48.14	-69.39	2.102	12.50	H
	3264	-59.51	-13	-46.51	-68.40	2.856	13.90	H
	1632	-60.13	-13	-47.13	-67.10	1.58	10.70	V
	2448	-59.21	-13	-46.21	-67.46	2.10	12.50	V
	3264	-59.53	-13	-46.53	-68.42	2.86	13.90	V
Middle	1648	-61.15	-13	-48.15	-68.12	1.58	10.70	H
	2464	-60.69	-13	-47.69	-68.94	2.102	12.50	H
	3288	-59.91	-13	-46.91	-68.80	2.856	13.90	H
	1648	-60.69	-13	-47.69	-67.66	1.58	10.70	V
	2464	-58.89	-13	-45.89	-67.14	2.10	12.50	V
	3288	-59.95	-13	-46.95	-68.84	2.86	13.90	V
Highest	1656	-61.91	-13	-48.91	-68.88	1.58	10.70	H
	2488	-61.52	-13	-48.52	-69.77	2.102	12.50	H
	3320	-60.20	-13	-47.20	-69.09	2.856	13.90	H
	1656	-61.76	-13	-48.76	-68.73	1.58	10.70	V
	2488	-59.35	-13	-46.35	-67.60	2.10	12.50	V
	3320	-59.92	-13	-46.92	-68.81	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



EN-DC_48A_n5A / LTE 20MHz + NR 20MHz / QPSK (ANT4+0)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-70.92	-13	-57.92	-77.89	1.58	10.70	H
	2472	-62.91	-13	-49.91	-71.16	2.10	12.50	H
	3304	-69.18	-13	-56.18	-78.07	2.86	13.90	H
	1648	-68.78	-13	-55.78	-75.75	1.58	10.70	V
	2472	-59.58	-13	-46.58	-67.83	2.10	12.50	V
	3304	-69.08	-13	-56.08	-77.97	2.86	13.90	V
Middle	1656	-67.23	-13	-54.23	-74.20	1.58	10.70	H
	2480	-55.59	-13	-42.59	-63.84	2.10	12.50	H
	3312	-68.82	-13	-55.82	-77.71	2.86	13.90	H
	1656	-64.61	-13	-51.61	-71.58	1.58	10.70	V
	2480	-51.17	-13	-38.17	-59.42	2.10	12.50	V
	3312	-69.16	-13	-56.16	-78.05	2.86	13.90	V
Highest	1656	-71.10	-13	-58.10	-78.07	1.58	10.70	H
	2488	-63.97	-13	-50.97	-72.22	2.10	12.50	H
	3320	-69.13	-13	-56.13	-78.02	2.86	13.90	H
	1656	-68.94	-13	-55.94	-75.91	1.58	10.70	V
	2488	-59.68	-13	-46.68	-67.93	2.10	12.50	V
	3320	-69.18	-13	-56.18	-78.07	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

N66 SA / NR40MHz / QPSK(ANT2)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-48.25	-13	-35.25	-58.99	2.604	13.34	H
	5130	-55.09	-13	-42.09	-65.60	3.011	13.52	H
	6855	-55.66	-13	-42.66	-65.86	3.271	13.47	H
	3420	-55.84	-13	-42.84	-66.58	2.604	13.34	V
	5130	-54.48	-13	-41.48	-64.99	3.011	13.52	V
	6855	-55.39	-13	-42.39	-65.59	3.271	13.47	V
Middle	3450	-56.74	-13	-43.74	-67.48	2.604	13.34	H
	5175	-54.86	-13	-41.86	-65.37	3.011	13.52	H
	6915	-55.62	-13	-42.62	-65.82	3.271	13.47	H
	3450	-56.02	-13	-43.02	-66.76	2.604	13.34	V
	5175	-54.19	-13	-41.19	-64.70	3.011	13.52	V
	6915	-55.95	-13	-42.95	-66.15	3.271	13.47	V
Highest	3480	-57.18	-13	-44.18	-67.92	2.604	13.34	H
	5220	-55.15	-13	-42.15	-65.66	3.011	13.52	H
	6975	-55.97	-13	-42.97	-66.17	3.271	13.47	H
	3480	-57.59	-13	-44.59	-68.33	2.604	13.34	V
	5220	-55.02	-13	-42.02	-65.53	3.011	13.52	V
	6975	-55.37	-13	-42.37	-65.57	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



EN-DC_30A_n66A / LTE 10MHz + NR 40MHz / QPSK (ANT3+2)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-63.26	-13	-50.26	-74.00	2.604	13.34	H
	5130	-46.05	-13	-33.05	-56.56	3.011	13.52	H
	6855	-59.25	-13	-46.25	-69.45	3.271	13.47	H
	8550	-49.24	-13	-36.24	-56.21	5.527	12.5	H
	3420	-63.64	-13	-50.64	-74.38	2.604	13.34	V
	5130	-55.27	-13	-42.27	-65.78	3.011	13.52	V
	6855	-59.50	-13	-46.50	-69.70	3.271	13.47	V
Middle	3450	-64.18	-13	-51.18	-74.92	2.604	13.34	H
	5175	-51.63	-13	-38.63	-62.14	3.011	13.52	H
	6915	-59.49	-13	-46.49	-69.69	3.271	13.47	H
	3450	-64.55	-13	-51.55	-75.29	2.604	13.34	V
	5175	-54.45	-13	-41.45	-64.96	3.011	13.52	V
	6915	-59.64	-13	-46.64	-69.84	3.271	13.47	V
Highest	3480	-64.43	-13	-51.43	-75.17	2.604	13.34	H
	5220	-50.71	-13	-37.71	-61.22	3.011	13.52	H
	6975	-59.21	-13	-46.21	-69.41	3.271	13.47	H
	3480	-63.04	-13	-50.04	-73.78	2.604	13.34	V
	5220	-52.83	-13	-39.83	-63.34	3.011	13.52	V
	6975	-59.29	-13	-46.29	-69.49	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_48A_n66A / LTE 20MHz + NR 40MHz / QPSK (ANT4+5) for Other PA								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-66.59	-13	-53.59	-77.33	2.604	13.34	H
	5130	-62.55	-13	-49.55	-73.06	3.011	13.52	H
	6840	-57.40	-13	-44.40	-67.60	3.271	13.47	H
	3420	-66.35	-13	-53.35	-77.09	2.604	13.34	V
	5130	-62.55	-13	-49.55	-73.06	3.011	13.52	V
	6840	-57.00	-13	-44.00	-67.20	3.271	13.47	V
Middle	3450	-65.87	-13	-52.87	-76.61	2.604	13.34	H
	5175	-62.66	-13	-49.66	-73.17	3.011	13.52	H
	6900	-56.78	-13	-43.78	-66.98	3.271	13.47	H
	3450	-65.07	-13	-52.07	-75.81	2.604	13.34	V
	5175	-62.56	-13	-49.56	-73.07	3.011	13.52	V
	6900	-56.06	-13	-43.06	-66.26	3.271	13.47	V
Highest	3480	-67.31	-13	-54.31	-78.05	2.604	13.34	H
	5220	-62.76	-13	-49.76	-73.27	3.011	13.52	H
	6960	-57.01	-13	-44.01	-67.21	3.271	13.47	H
	3480	-67.32	-13	-54.32	-78.06	2.604	13.34	V
	5220	-62.33	-13	-49.33	-72.84	3.011	13.52	V
	6960	-54.74	-13	-41.74	-64.94	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.