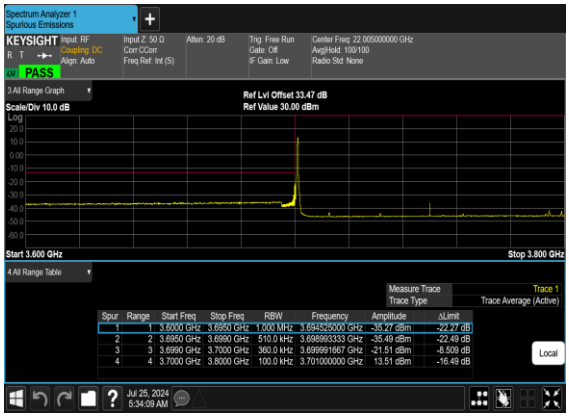
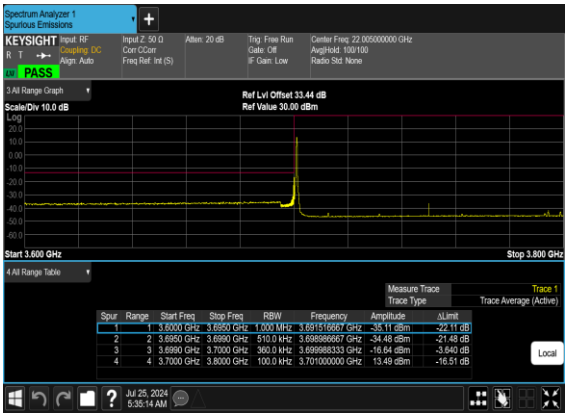
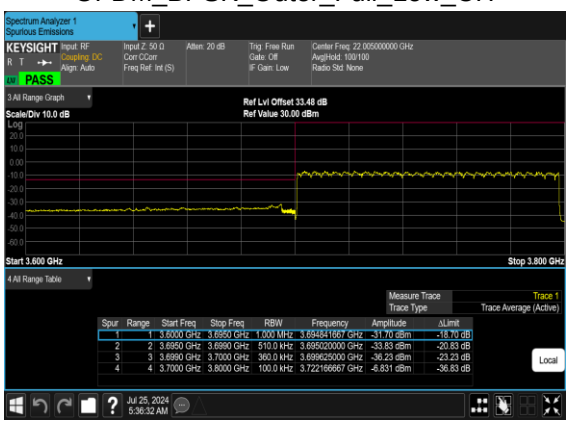
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



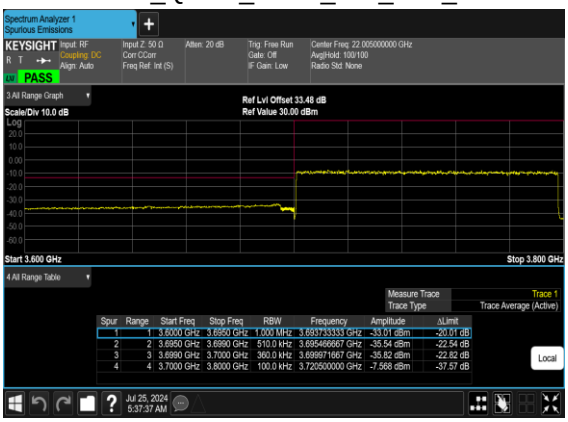
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



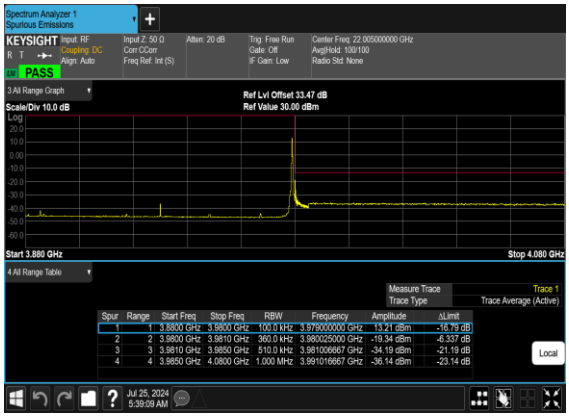
N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



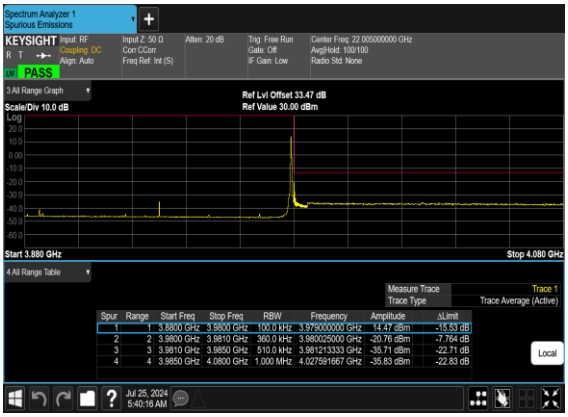
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



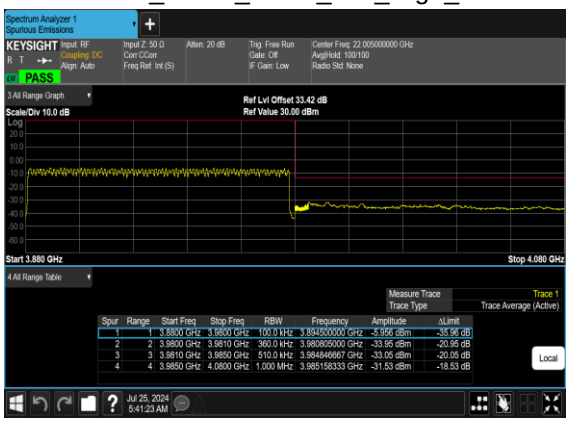
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



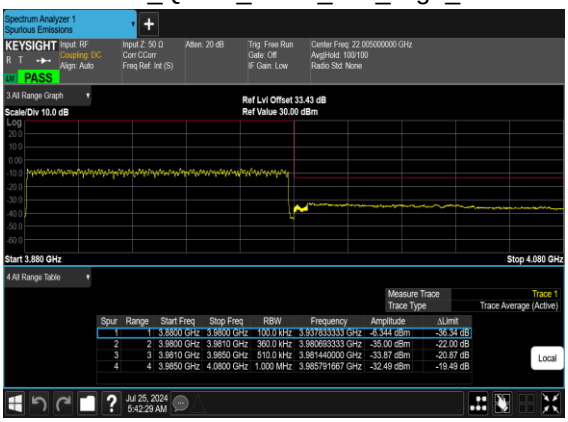
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

FR1 N78_ANT5

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

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP(W)
78	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	25.74	25.14	0.3266
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	25.85	25.25	0.3350
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	24.88	24.28	0.2679
78	30	10	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.37	24.77	0.2999
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	25.38	24.78	0.3006
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.41	23.81	0.2404
78	30	10	653000	3795	DFT-s-OFDM PI/2 BPSK	1@1	25.64	25.04	0.3192
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	25.66	25.06	0.3206
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	24.75	24.15	0.2600
78	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@1	25.77	25.17	0.3289
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	25.92	25.32	0.3404
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	24.87	24.27	0.2673
78	30	15	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.68	25.08	0.3221
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	25.77	25.17	0.3289
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.79	24.19	0.2624
78	30	15	652832	3792.48	DFT-s-OFDM PI/2 BPSK	1@1	25.56	24.96	0.3133
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	25.61	25.01	0.3170
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	24.68	24.08	0.2559
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	25.78	25.18	0.3296
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.85	25.25	0.3350
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	24.9	24.3	0.2692
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.11	25.51	0.3556
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	26.1	25.5	0.3548
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.14	24.54	0.2844
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@1	25.53	24.93	0.3112
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	25.58	24.98	0.3148
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	24.65	24.05	0.2541
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	25.81	25.21	0.3319
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	25.86	25.26	0.3357
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.92	24.32	0.2704
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.20	25.6	0.3631
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	26.23	25.63	0.3656
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.47	24.87	0.3069
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@1	25.34	24.74	0.2979
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	25.42	24.82	0.3034
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	24.42	23.82	0.2410
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	25.81	25.21	0.3319

78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	25.82	25.22	0.3327
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	24.93	24.33	0.2710
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.18	25.58	0.3614
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	26.17	25.57	0.3606
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.43	24.83	0.3041
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	24.41	23.81	0.2404
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	24.46	23.86	0.2432
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	23.51	22.91	0.1954
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	25.83	25.23	0.3334
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	25.85	25.25	0.3350
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	24.93	24.33	0.2710
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.14	25.54	0.3581
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	26.21	25.61	0.3639
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.32	24.72	0.2965
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	24.42	23.82	0.2410
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	24.51	23.91	0.2460
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	23.54	22.94	0.1968
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	25.84	25.24	0.3342
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	25.85	25.25	0.3350
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	24.89	24.29	0.2685
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.18	25.58	0.3614
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	26.19	25.59	0.3622
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.38	24.78	0.3006
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@1	25.67	25.07	0.3214
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	25.75	25.15	0.3273
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	24.78	24.18	0.2618
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	25.87	25.27	0.3365
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	25.92	25.32	0.3404
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	24.97	24.37	0.2735
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.29	25.69	0.3707
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	26.28	25.68	0.3698
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.4	24.8	0.3020
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@1	25.23	24.63	0.2904
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	25.24	24.64	0.2911
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	24.34	23.74	0.2366
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	25.89	25.29	0.3381
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	25.93	25.33	0.3412
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	24.97	24.37	0.2735
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.17	25.57	0.3606
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	26.26	25.66	0.3681
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.42	24.82	0.3034
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@1	26.12	25.52	0.3565
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	26.20	25.6	0.3631
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	25.45	24.85	0.3055
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	25.06	24.46	0.2793

78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	25.16	24.56	0.2858
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	24.14	23.54	0.2259
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.28	25.68	0.3698
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	26.15	25.55	0.3589
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.36	24.76	0.2992
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@1	26.19	25.59	0.3622
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	26.11	25.51	0.3556
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	25.4	24.8	0.3020
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.65	25.05	0.3199
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.17	25.57	0.3606
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	25.98	25.38	0.3451
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	25.63	25.03	0.3184
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	26.31	25.71	0.3724
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	26.04	25.44	0.3499
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	24.67	24.07	0.2553
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.34	24.74	0.2979
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	25.07	24.47	0.2799
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	23.22	22.62	0.1828
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.91	23.31	0.2143
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	23.7	23.1	0.2042
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	21.24	20.64	0.1159
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.76	21.16	0.1306
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	21.59	20.99	0.1256
78	30	100	650000	3750	CP-OFDM QPSK	137@68	24.11	23.51	0.2244
78	30	100	650000	3750	CP-OFDM QPSK	1@1	24.73	24.13	0.2588
78	30	100	650000	3750	CP-OFDM QPSK	1@271	24.56	23.96	0.2489

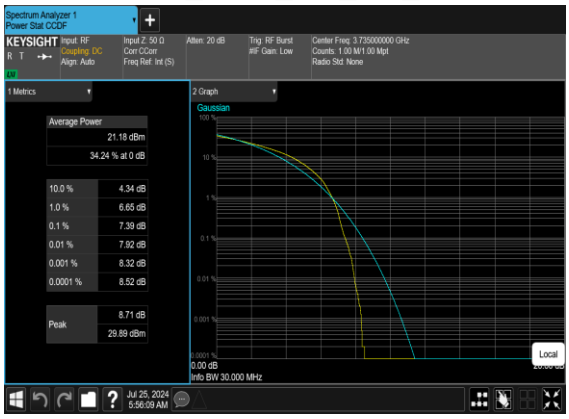
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	75@0	-0.0071	**PASS**	NV
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	75@0	-0.0052	**PASS**	LV
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	75@0	0.0066	**PASS**	HV
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	75@0	-0.0064	**PASS**	-30℃
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	75@0	-0.0081	**PASS**	-20℃
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	75@0	0.0087	**PASS**	-10℃
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	75@0	0.0059	**PASS**	0℃
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	75@0	-0.0062	**PASS**	10℃
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	75@0	-0.0042	**PASS**	20℃
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	75@0	-0.0016	**PASS**	30℃
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	75@0	-0.0059	**PASS**	40℃
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	75@0	0.0086	**PASS**	50℃

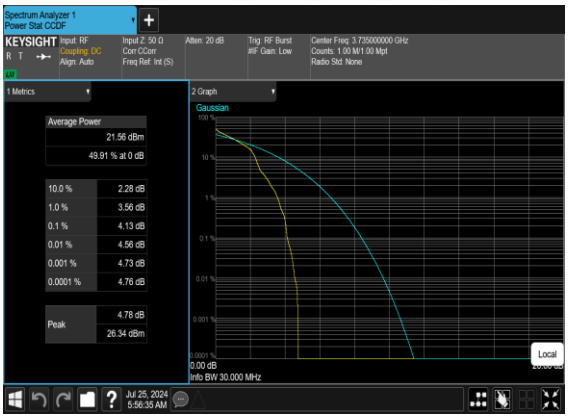
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
78	30	30	650000	3750.0	DFT-s-OFDM PI/2 BPSK	75@0	7.39	13	**PASS**
78	30	30	650000	3750.0	DFT-s-OFDM PI/2 BPSK	1@0	4.13	13	**PASS**
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	75@0	7.17	13	**PASS**
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	1@0	5.65	13	**PASS**

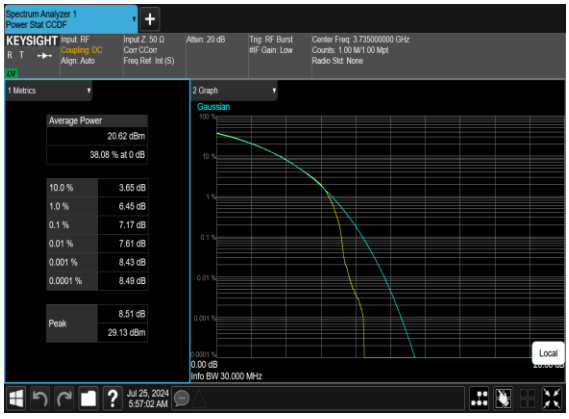
N78(30M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



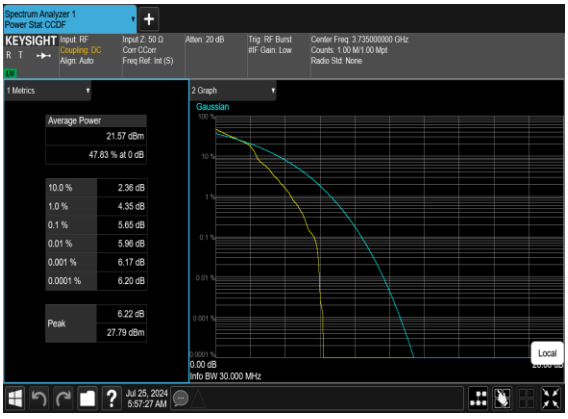
N78(30M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



N78(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



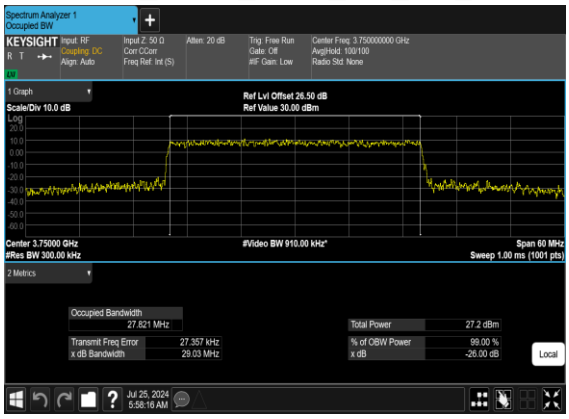
N78(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
78	30	30	650000	3750.0	CP-OFDM QPSK	78@0	27.821	29.03
78	30	30	650000	3750.0	CP-OFDM 16 QAM	78@0	27.795	29.08
78	30	30	650000	3750.0	CP-OFDM 64 QAM	78@0	27.718	28.94
78	30	30	650000	3750.0	CP-OFDM 256 QAM	78@0	27.851	29.1
78	30	70	650000	3750.0	CP-OFDM QPSK	189@0	67.693	69.64
78	30	70	650000	3750.0	CP-OFDM 16 QAM	189@0	67.451	69.67
78	30	70	650000	3750.0	CP-OFDM 64 QAM	189@0	67.513	69.71
78	30	70	650000	3750.0	CP-OFDM 256 QAM	189@0	67.539	69.81

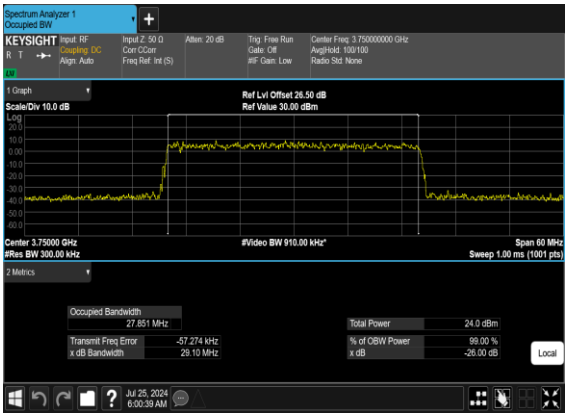
N78(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



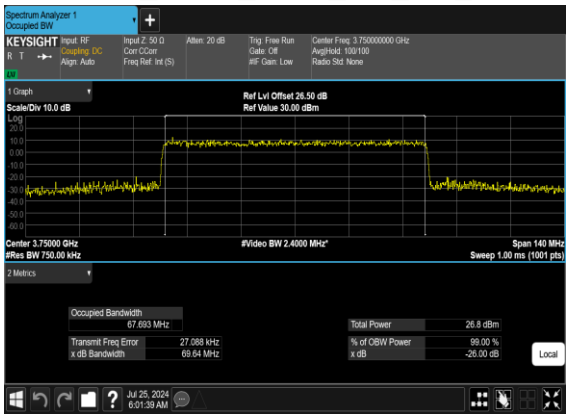
N78(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N78(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

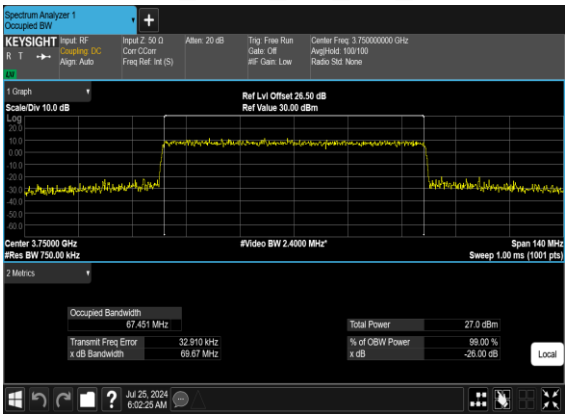
N78(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



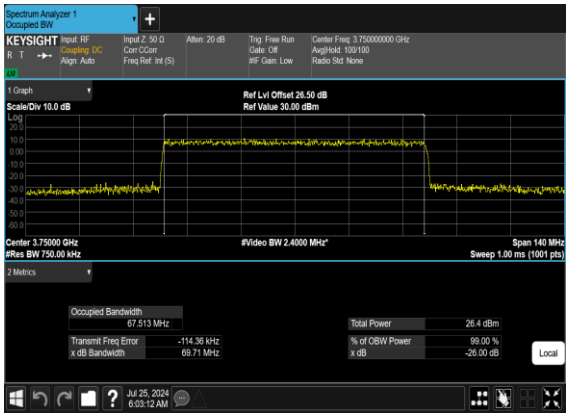
N78(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



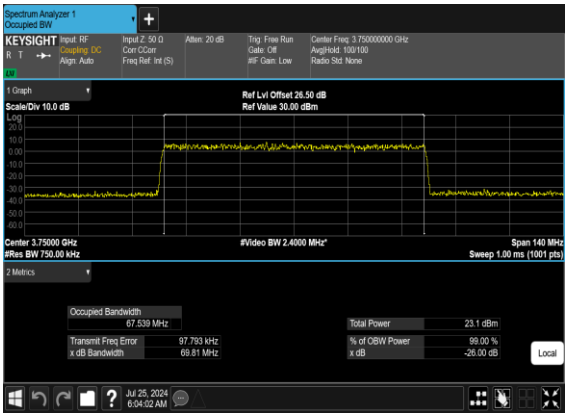
N78(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

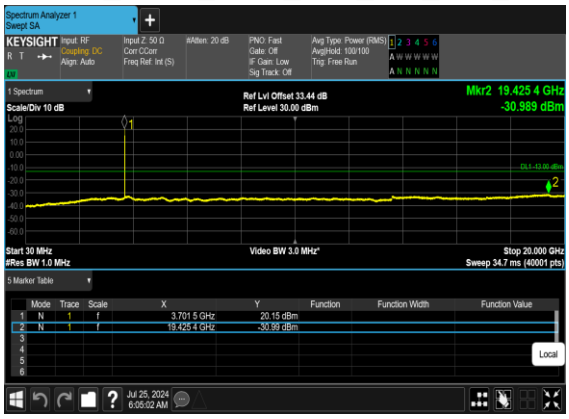


Conducted Spurious Emissions

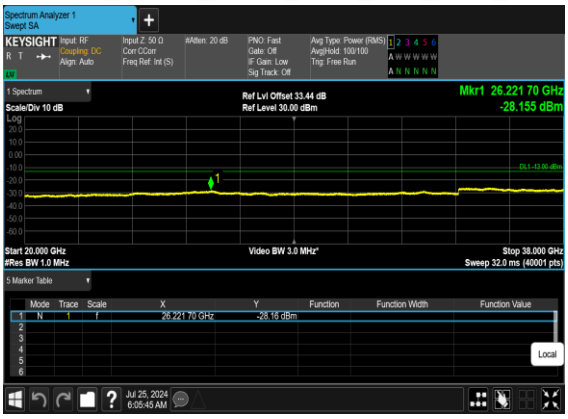
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	30	647668	3715.02	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	30	647668	3715.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	30	647668	3715.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	30	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	30	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	30	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	30	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	30	652332	3784.98	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	30	652332	3784.98	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	30	652332	3784.98	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**

78	30	70	649000	3735.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	70	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	70	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	70	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	70	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	30	70	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	70	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	70	651000	3765.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	70	651000	3765.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	70	651000	3765.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	70	651000	3765.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	30	70	651000	3765.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	70	651000	3765.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

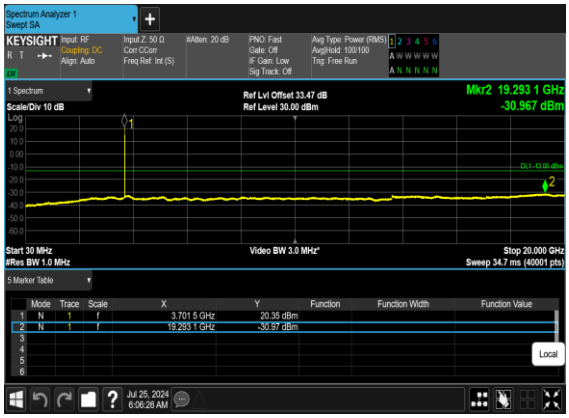
N78(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



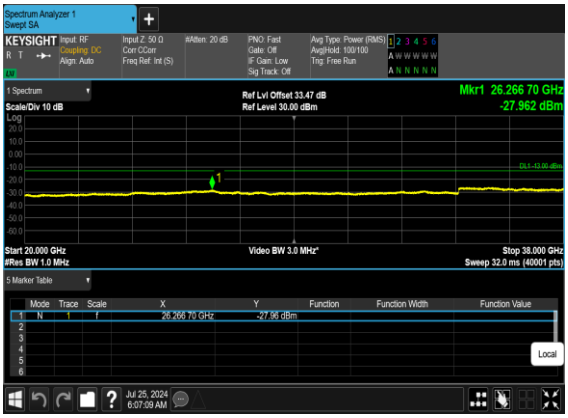
N78(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



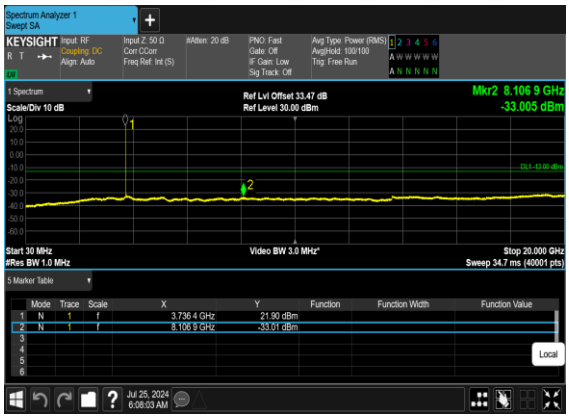
N78(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

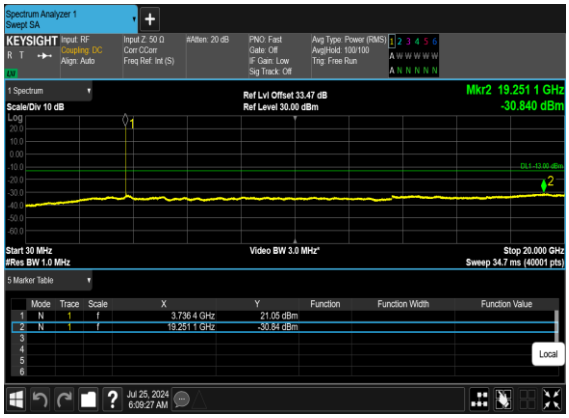


N78(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

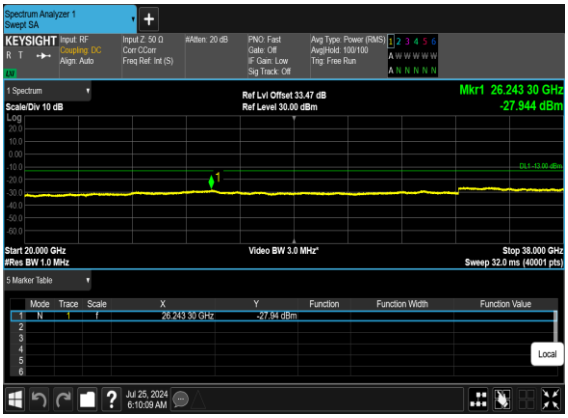


N78(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

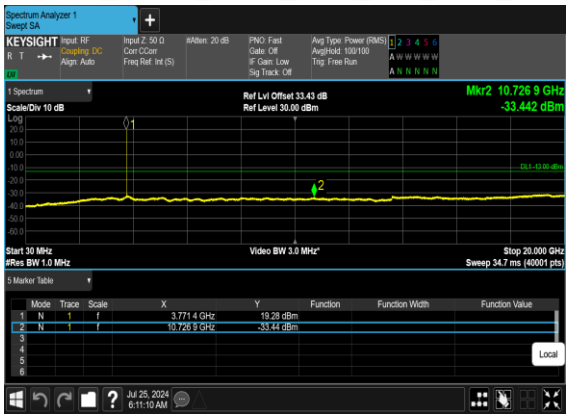
N78(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

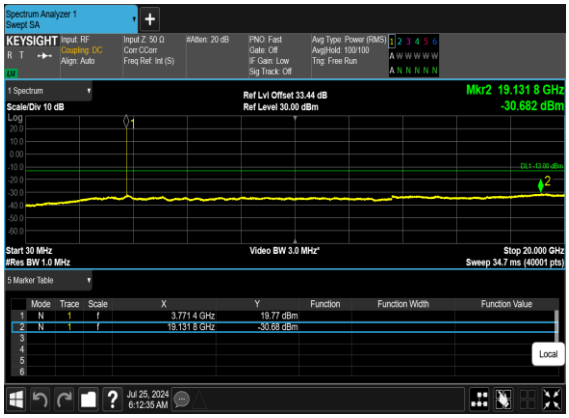


N78(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

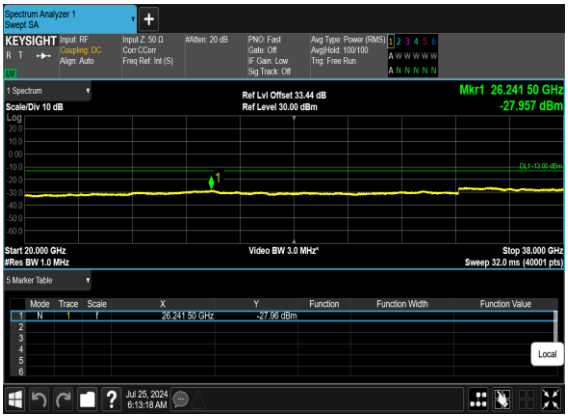


N78(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

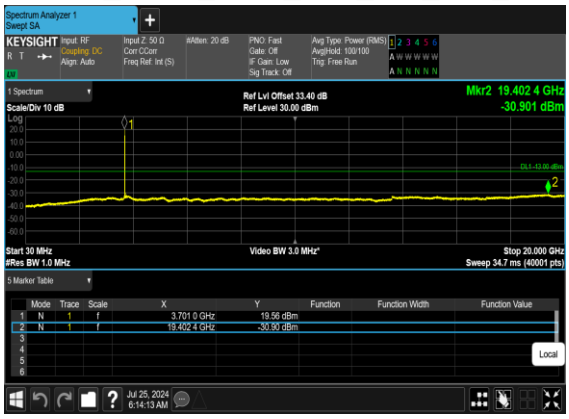
N78(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



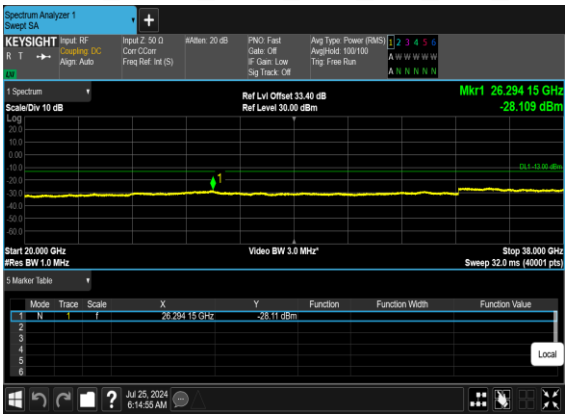
N78(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



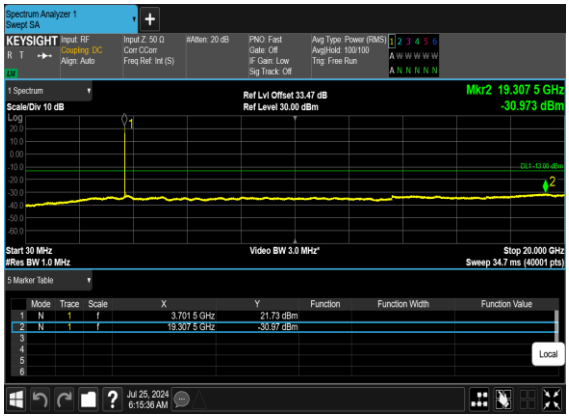
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



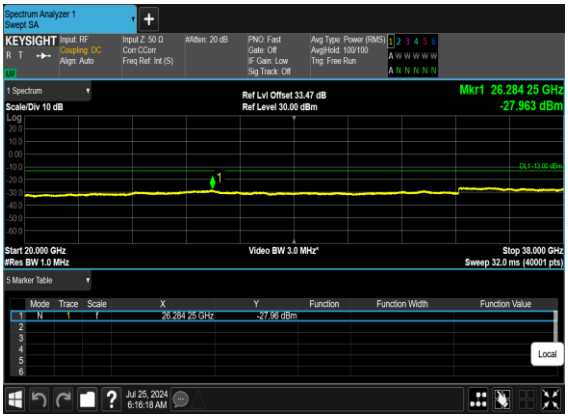
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



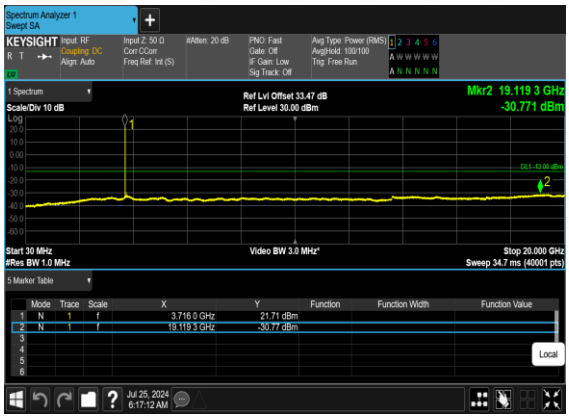
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



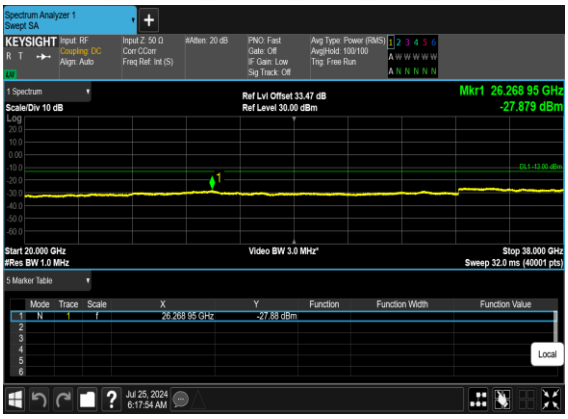
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



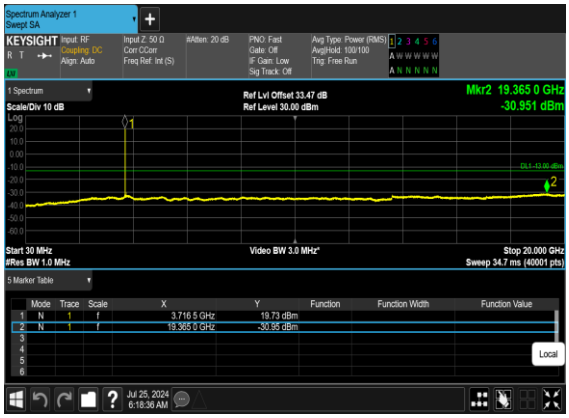
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



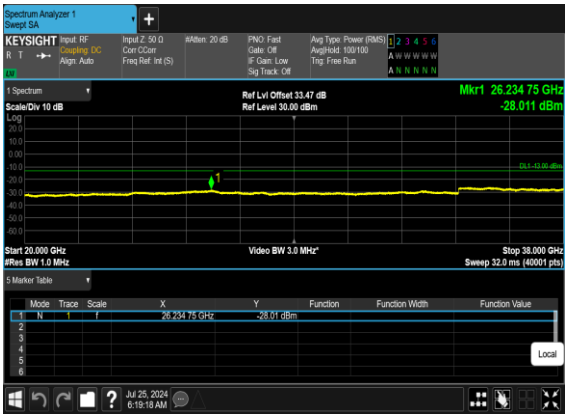
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



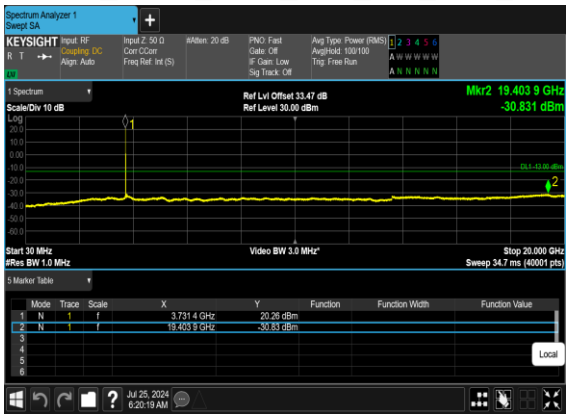
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



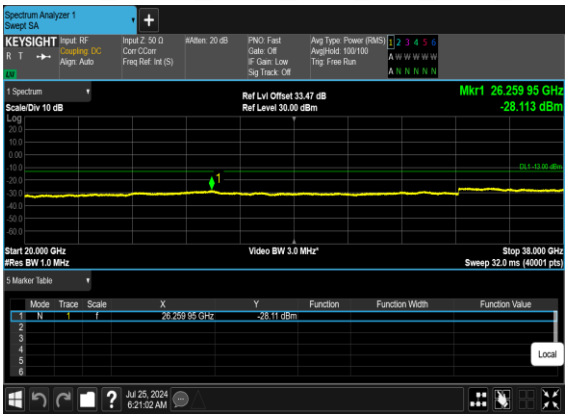
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



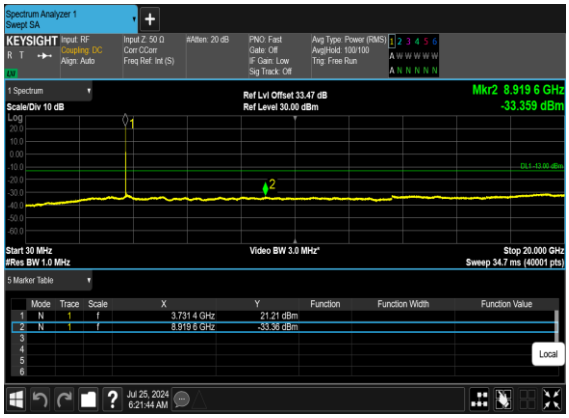
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



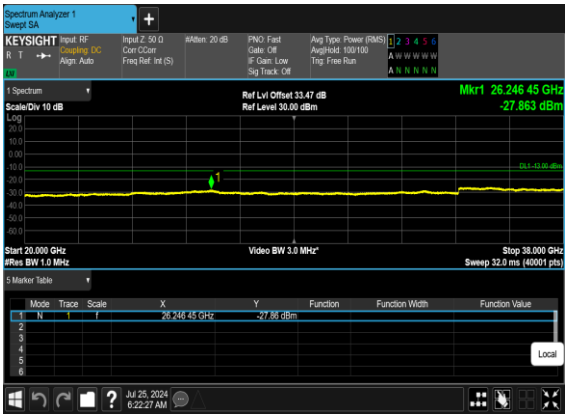
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

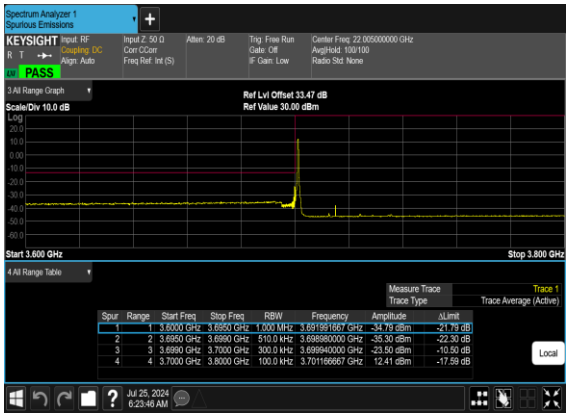


Conducted Band Edge

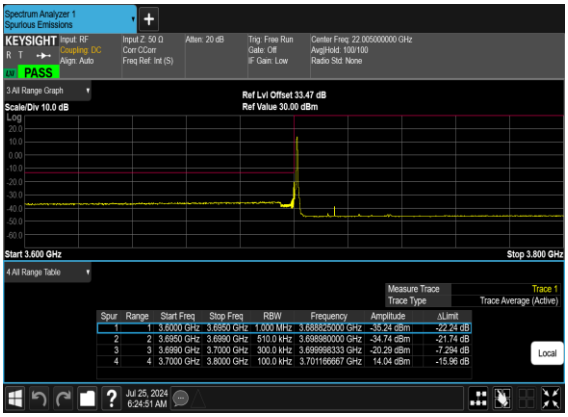
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	30	647668	3715.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	30	647668	3715.02	DFT-s-OFDM BPSK	75@0	see graph	**PASS**
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	75@0	see graph	**PASS**

78	30	30	652332	3784.98	DFT-s-OFDM BPSK	1@77	see graph	**PASS**
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@77	see graph	**PASS**
78	30	30	652332	3784.98	DFT-s-OFDM BPSK	75@0	see graph	**PASS**
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	75@0	see graph	**PASS**
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	70	649000	3735.0	DFT-s-OFDM BPSK	180@0	see graph	**PASS**
78	30	70	649000	3735.0	DFT-s-OFDM QPSK	180@0	see graph	**PASS**
78	30	70	651000	3765.0	DFT-s-OFDM BPSK	1@188	see graph	**PASS**
78	30	70	651000	3765.0	DFT-s-OFDM QPSK	1@188	see graph	**PASS**
78	30	70	651000	3765.0	DFT-s-OFDM BPSK	180@0	see graph	**PASS**
78	30	70	651000	3765.0	DFT-s-OFDM QPSK	180@0	see graph	**PASS**

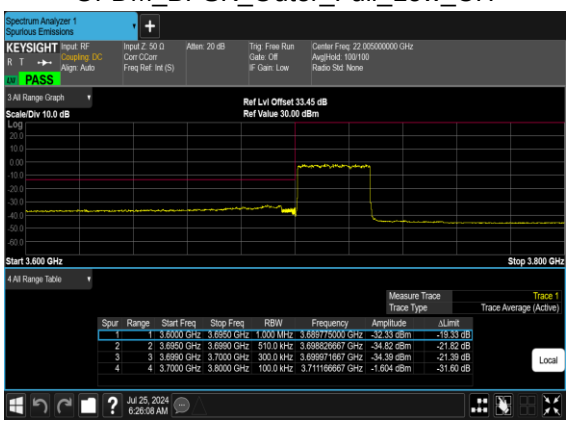
N78(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



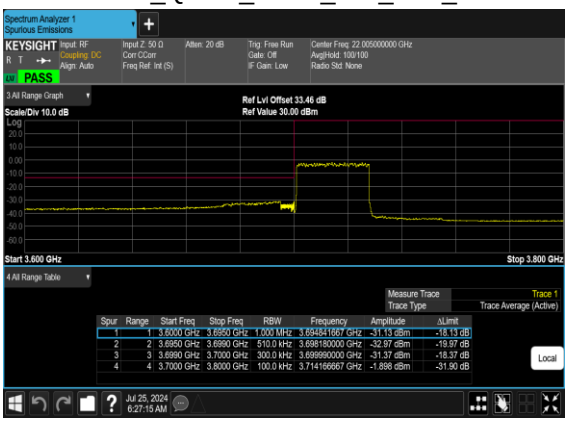
N78(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



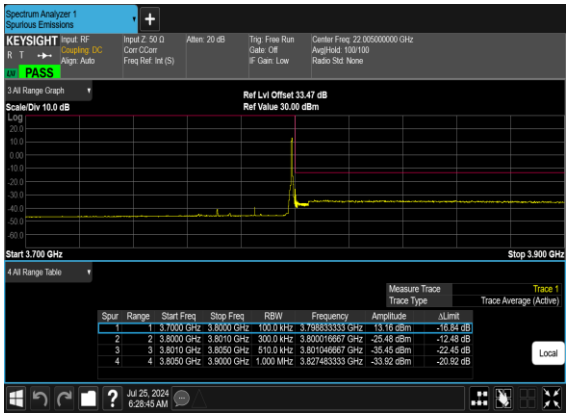
N78(30M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



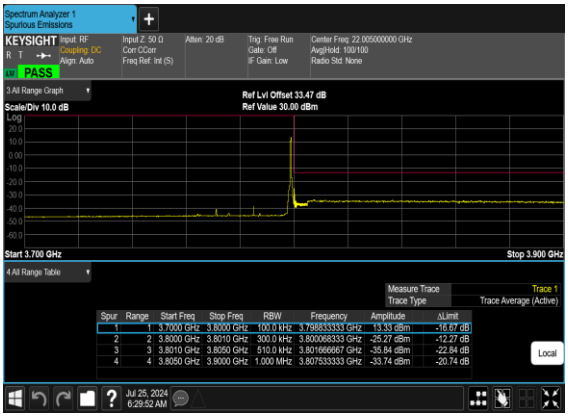
N78(30M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



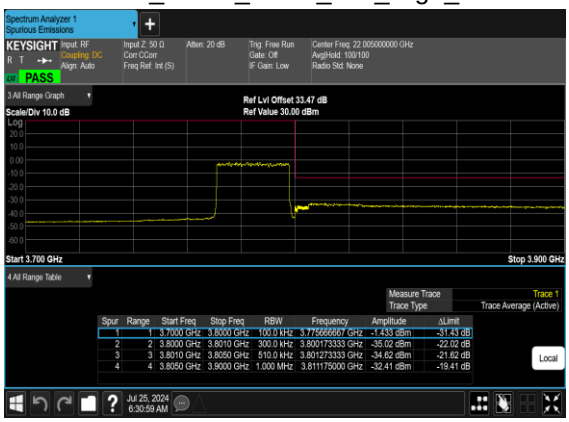
N78(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



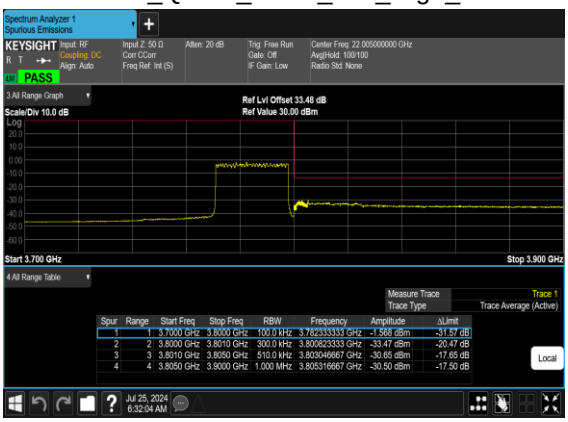
N78(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



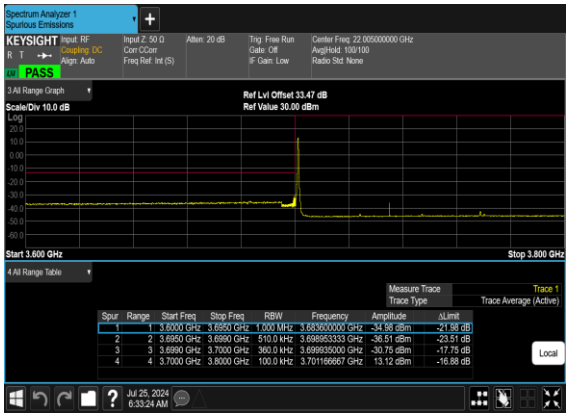
N78(30M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



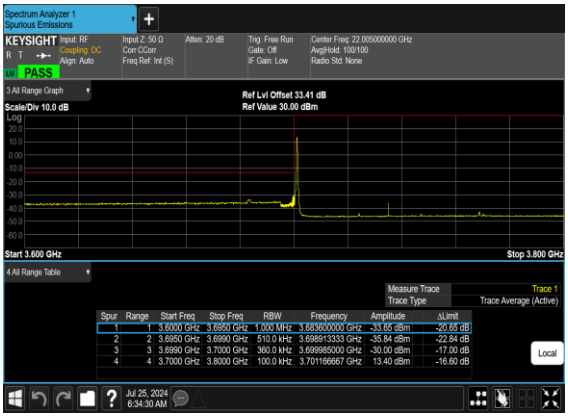
N78(30M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



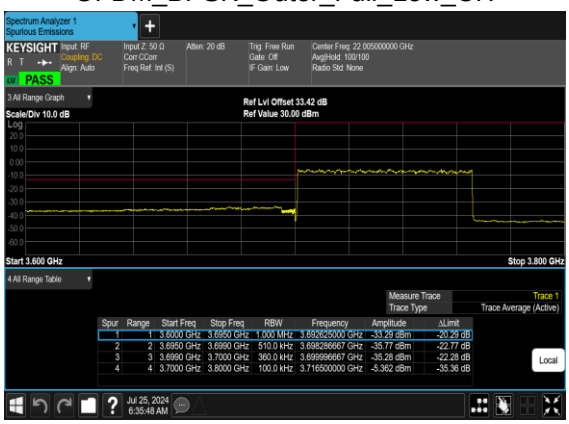
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



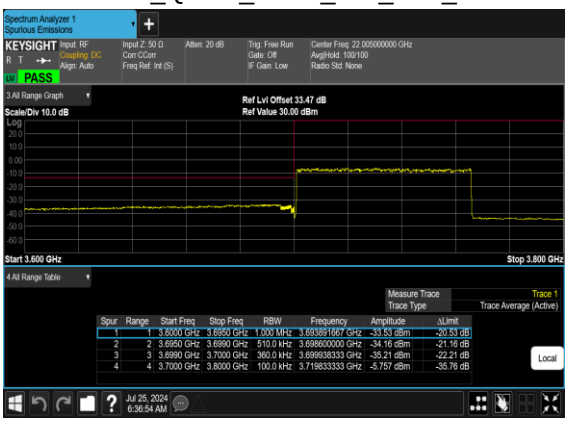
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



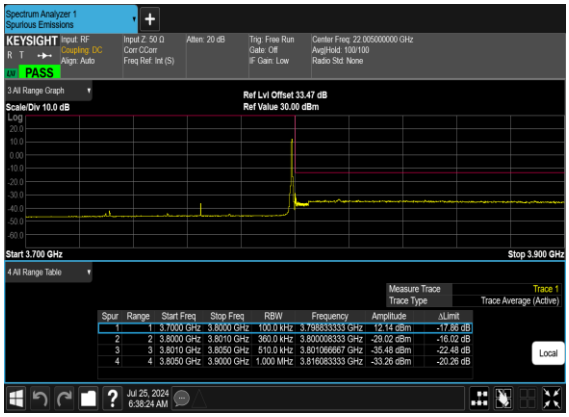
N78(70M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



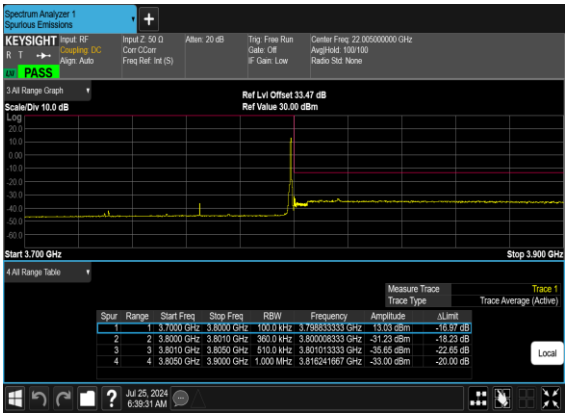
N78(70M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



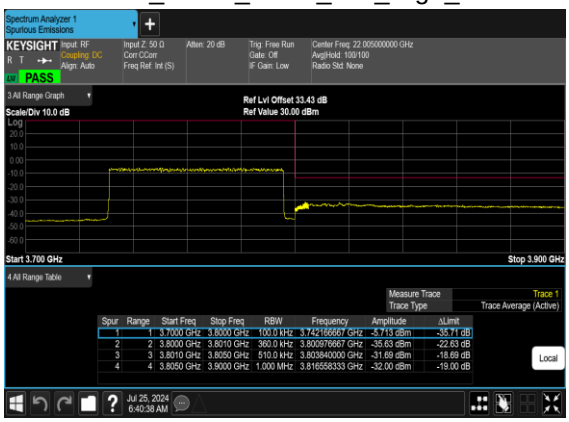
N78(70M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



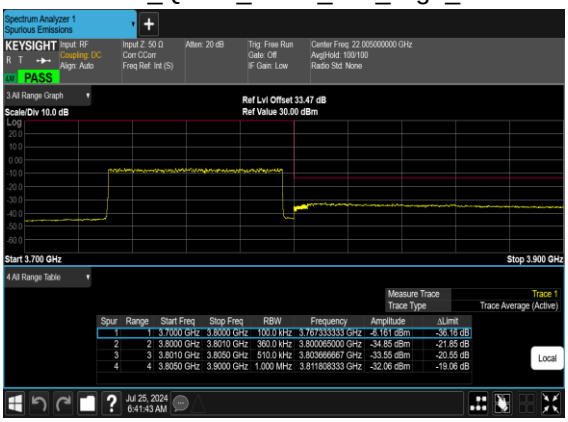
N78(70M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N78(70M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N78(70M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

n77 SA / NR 100MHz / QPSK(ANT5)								
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)
Middle	7583	-47.82	-13	-34.82	-58.03	3.03	13.24	H
	11378	-57.76	-13	-44.76	-67.21	3.56	13.01	H
	15184	-58.88	-13	-45.88	-68.40	3.92	13.44	H
	7583	-51.41	-13	-38.41	-61.62	3.03	13.24	V
	11378	-55.26	-13	-42.26	-64.71	3.56	13.01	V
	15184	-58.67	-13	-45.67	-68.19	3.92	13.44	V

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

n78 SA / NR 100MHz / QPSK(ANT5)								
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)
Middle	7407	-43.33	-13	-30.33	-53.54	3.03	13.24	H
	11103	-52.27	-13	-39.27	-61.72	3.56	13.01	H
	14810	-56.88	-13	-43.88	-66.40	3.92	13.44	H
	7407	-47.26	-13	-34.26	-57.47	3.03	13.24	V
	11103	-54.54	-13	-41.54	-63.99	3.56	13.01	V
	14810	-58.81	-13	-45.81	-68.33	3.92	13.44	V

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

EN-DC_41A_n78A / LTE 20MHz + NR 100MHz / QPSK(1+5)								
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)
Middle	7404	-42.70	-13	-29.70	-52.91	3.03	13.24	H
	11100	-53.85	-13	-40.85	-63.30	3.56	13.01	H
	14808	-59.45	-13	-46.45	-68.97	3.92	13.44	H
	7404	-49.06	-13	-36.06	-59.27	3.03	13.24	V
	11100	-58.15	-13	-45.15	-67.60	3.56	13.01	V
	14808	-59.48	-13	-46.48	-69.00	3.92	13.44	V

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

EN-DC_2A_n77A / LTE 20MHz + NR 100MHz / QPSK(1+5)								
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)
Middle	7584	-48.06	-13	-35.06	-58.27	3.03	13.24	H
	11376	-56.15	-13	-43.15	-65.60	3.56	13.01	H
	15180	-59.02	-13	-46.02	-68.54	3.92	13.44	H
	7584	-51.96	-13	-38.96	-62.17	3.03	13.24	V
	11376	-58.11	-13	-45.11	-67.56	3.56	13.01	V
	15180	-59.13	-13	-46.13	-68.65	3.92	13.44	V

<DSDA Mode>:

For n77 DSDA mode, pretest n77 Part 27O & Part 27Q, choose the worst band of Part 27O to record in the report.

DSDA_LTE B5 + NR n77 / LTE 10MHz + NR 100MHz / QPSK(1+5)								
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)
Middle (LTE B5)	1666	-56.59	-13	-43.59	-63.56	1.58	10.70	H
	2494	-57.57	-13	-44.57	-65.82	2.102	12.50	H
	3328	-55.93	-13	-42.93	-64.82	2.856	13.90	H
	1666	-58.49	-13	-45.49	-65.46	1.58	10.70	V
	2494	-56.14	-13	-43.14	-64.39	2.10	12.50	V
	3328	-56.30	-13	-43.30	-65.19	2.86	13.90	V
Middle (NR n77)	7583	-48.53	-13	-35.53	-58.74	3.03	13.24	H
	11378	-55.66	-13	-42.66	-65.11	3.56	13.01	H
	15184	-59.48	-13	-46.48	-69.00	3.92	13.44	H
	7583	-56.74	-13	-43.74	-66.95	3.03	13.24	V
	11378	-52.31	-13	-39.31	-61.76	3.56	13.01	V
	15184	-59.62	-13	-46.62	-69.14	3.92	13.44	V

DSDA_LTE B7 + NR n77 / LTE 20MHz + NR 100MHz / QPSK(2+5)								
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)
Middle (LTE B7)	5053	-54.36	-25	-29.36	-64.57	3.03	13.24	H
	7572	-63.00	-25	-38.00	-72.45	3.56	13.01	H
	10102	-62.45	-25	-37.45	-71.97	3.92	13.44	H
	5053	-54.47	-25	-29.47	-64.68	3.03	13.24	V
	7572	-63.46	-25	-38.46	-72.91	3.56	13.01	V
	10102	-61.36	-25	-36.36	-70.88	3.92	13.44	V
Middle (NR n77)	7583	-48.36	-13	-35.36	-58.57	3.03	13.24	H
	11378	-58.90	-13	-45.90	-68.35	3.56	13.01	H
	15184	-59.93	-13	-46.93	-69.45	3.92	13.44	H
	7583	-54.66	-13	-41.66	-64.87	3.03	13.24	V
	11378	-53.85	-13	-40.85	-63.30	3.56	13.01	V
	15184	-59.58	-13	-46.58	-69.10	3.92	13.44	V

DSDA_LTE B41 + NR n77 / LTE 20MHz + NR 100MHz / QPSK(2+5)								
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)
Middle (LTE B41)	5168	-54.10	-25	-29.10	-64.31	3.03	13.24	H
	7748	-61.26	-25	-36.26	-70.71	3.56	13.01	H
	10333	-61.97	-25	-36.97	-71.49	3.92	13.44	H
	5168	-54.35	-25	-29.35	-64.56	3.03	13.24	V
	7748	-60.36	-25	-35.36	-69.81	3.56	13.01	V
	10333	-61.40	-25	-36.40	-70.92	3.92	13.44	V
Middle (NR n77)	7583	-46.45	-13	-33.45	-56.66	3.03	13.24	H
	11378	-55.38	-13	-42.38	-64.83	3.56	13.01	H
	15184	-59.36	-13	-46.36	-68.88	3.92	13.44	H
	7583	-56.04	-13	-43.04	-66.25	3.03	13.24	V
	11378	-57.59	-13	-44.59	-67.04	3.56	13.01	V
	15184	-59.59	-13	-46.59	-69.11	3.92	13.44	V

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