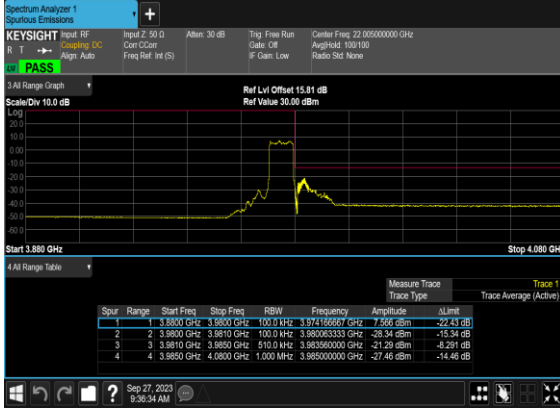
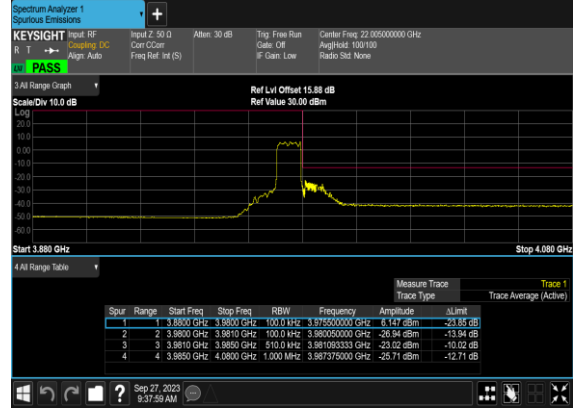


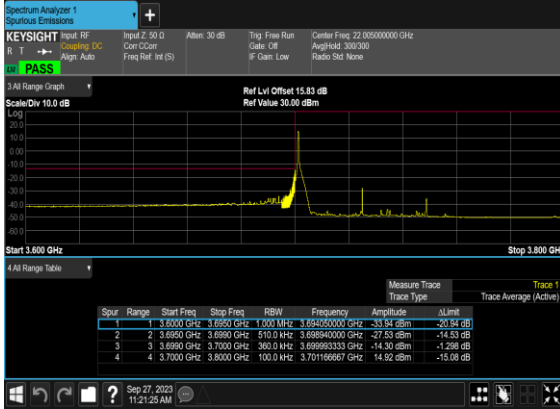
N77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



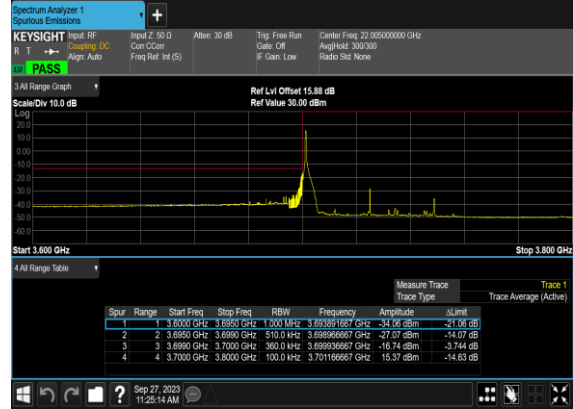
N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



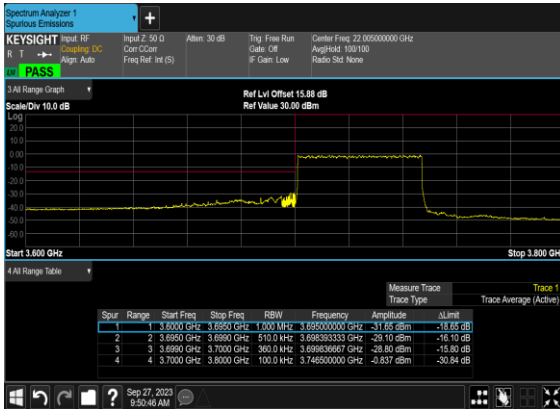
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



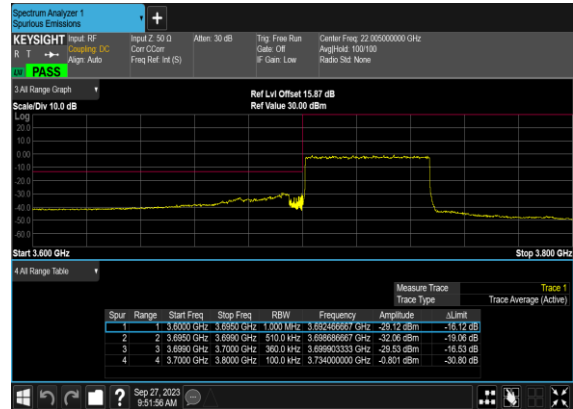
N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



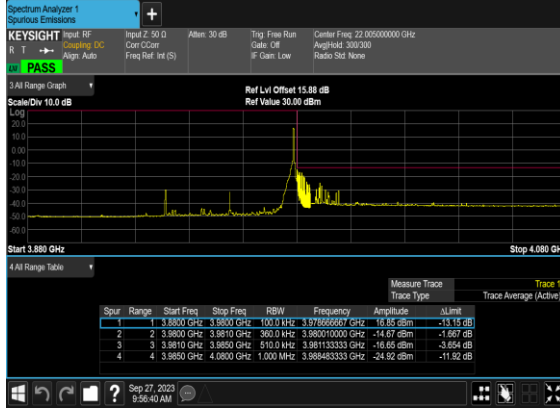
N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



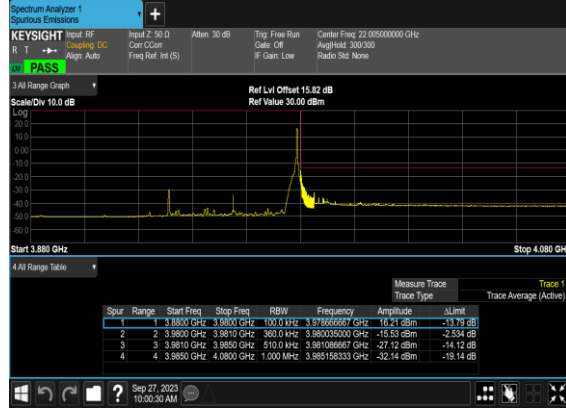
N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



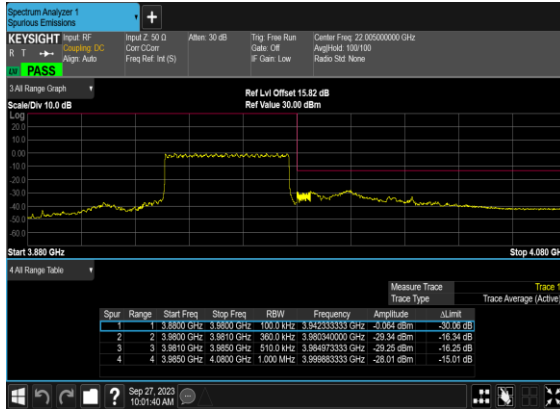
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



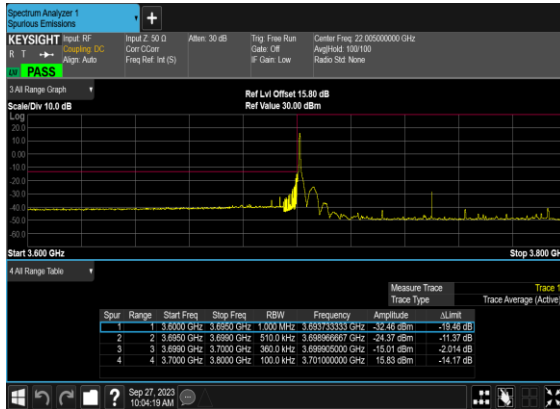
N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



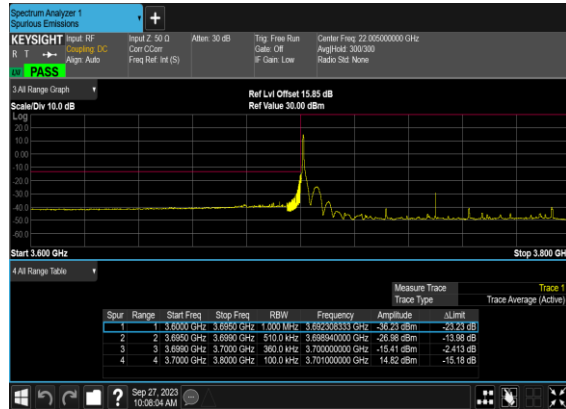
N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



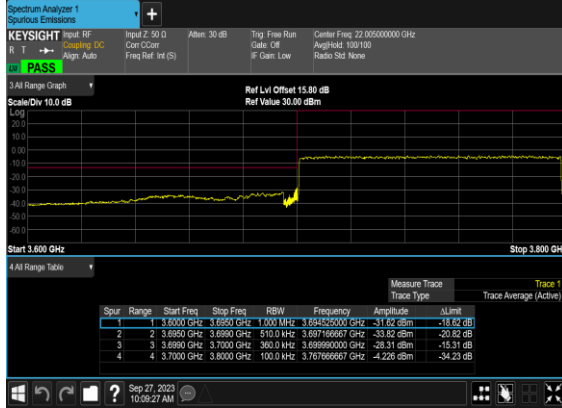
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



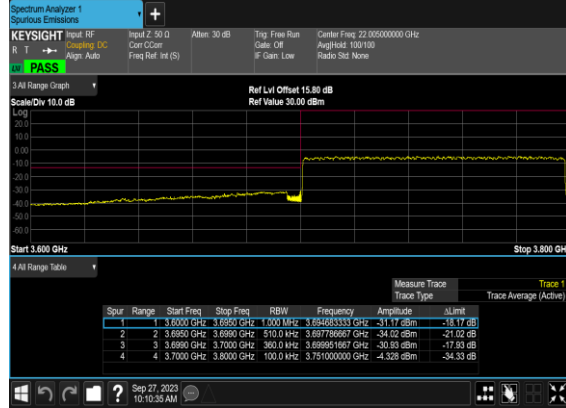
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



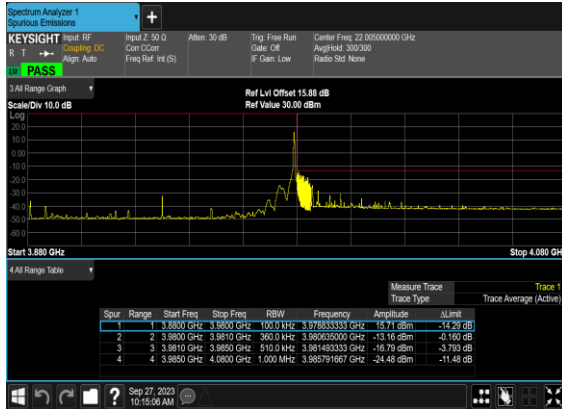
N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



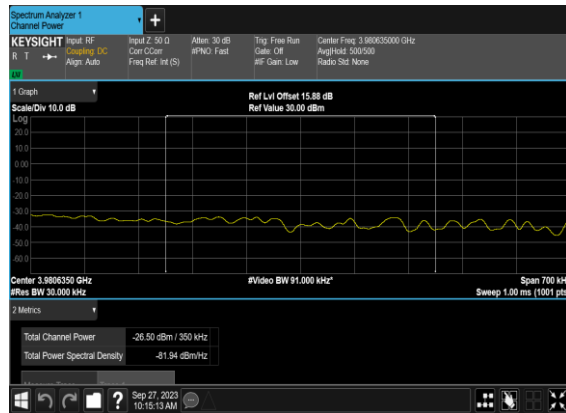
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



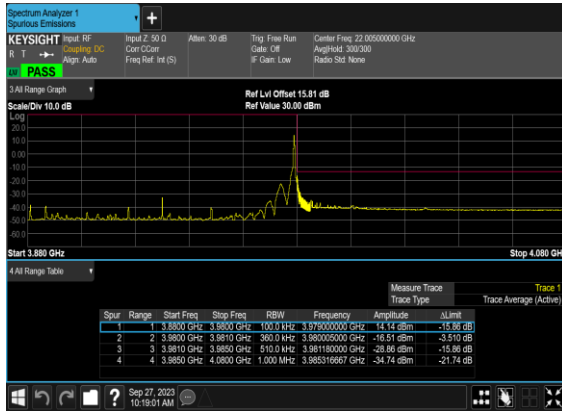
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_CHP ASS



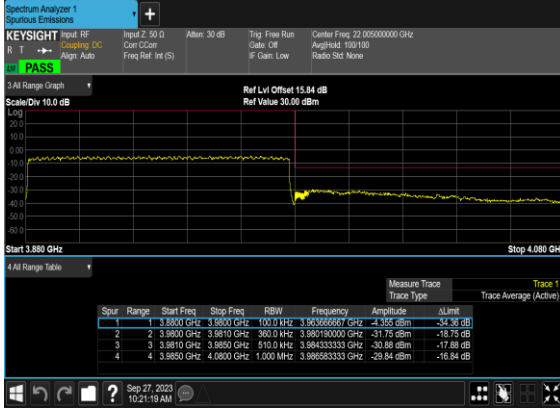
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



FR1 N78(ANT5)

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-2dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	25.74	23.74	0.2366
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	24.92	22.92	0.1959
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	25.84	23.84	0.2421
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.65	22.65	0.1841
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	25.8	23.8	0.2399
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	24.69	22.69	0.1858
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	25.69	23.69	0.2339
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	24.52	22.52	0.1786
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	25.79	23.79	0.2393
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.58	22.58	0.1811
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	25.84	23.84	0.2421
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	24.65	22.65	0.1841
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.55	23.55	0.2265
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	24.37	22.37	0.1726
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	25.69	23.69	0.2339
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.5	22.5	0.1778
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	25.79	23.79	0.2393
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	24.59	22.59	0.1816
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	25.5	23.5	0.2239
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.32	22.32	0.1706
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	25.58	23.58	0.2280
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.36	22.36	0.1722
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	25.53	23.53	0.2254
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	24.35	22.35	0.1718
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	25.26	23.26	0.2118
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	24.09	22.09	0.1618
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	25.32	23.32	0.2148
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.19	22.19	0.1656
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	25.32	23.32	0.2148

78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	24.19	22.19	0.1656
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	25.57	23.57	0.2275
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	24.42	22.42	0.1746
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	25.59	23.59	0.2286
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.44	22.44	0.1754
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	25.56	23.56	0.2270
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	24.4	22.4	0.1738
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	25.4	23.4	0.2188
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	24.22	22.22	0.1667
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	25.48	23.48	0.2228
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.27	22.27	0.1687
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	25.48	23.48	0.2228
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	24.29	22.29	0.1694
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	25.42	23.42	0.2198
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	24.2	22.2	0.1660
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	25.4	23.4	0.2188
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.21	22.21	0.1663
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	25.42	23.42	0.2198
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	24.23	22.23	0.1671
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	25.22	23.22	0.2099
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	24.19	22.19	0.1656
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	25.24	23.24	0.2109
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.46	22.46	0.1762
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	25.17	23.17	0.2075
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	24.38	22.38	0.1730
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	25.06	23.06	0.2023
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	23.93	21.93	0.1560
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	25.04	23.04	0.2014
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.89	21.89	0.1545
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	25.02	23.02	0.2004
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	23.89	21.89	0.1545
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.86	23.86	0.2432
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.94	22.94	0.1968
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	25.01	23.01	0.2000
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	25.9	23.9	0.2455

78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	24.9	22.9	0.1950
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	25.03	23.03	0.2009
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	24.84	22.84	0.1923
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.7	21.7	0.1479
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	23.8	21.8	0.1514
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	23.39	21.39	0.1377
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.3	20.3	0.1072
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	22.48	20.48	0.1117
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	21.37	19.37	0.0865
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.26	18.26	0.0670
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	20.44	18.44	0.0698
78	30	100	650000	3750	CP-OFDM QPSK	137@68	24.33	22.33	0.1710
78	30	100	650000	3750	CP-OFDM QPSK	1@1	23.38	21.38	0.1374
78	30	100	650000	3750	CP-OFDM QPSK	1@271	23.56	21.56	0.1432



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	HuaCong Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

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

n77 SA / NR 100MHz / QPSK(ANT8)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7402.40	-57.98	-13	-44.98	-66.90	-61.31	8.25	11.58	H
	11103.60	-54.30	-13	-41.30	-68.68	-55.85	10.45	12.00	H
	14804.80	-52.78	-13	-39.78	-69.84	-54.49	11.74	13.45	H
	7402.40	-57.91	-13	-44.91	-66.8	-61.24	8.25	11.58	V
	11103.60	-48.31	-13	-35.31	-64.62	-49.86	10.45	12.00	V
	14804.80	-51.99	-13	-38.99	-69.33	-53.70	11.74	13.45	V
Middle	7582.36	-52.96	-13	-39.96	-61.27	-56.26	8.30	11.60	H
	11373.54	-55.60	-13	-42.60	-69.94	-57.12	10.48	12.00	H
	15164.72	-52.38	-13	-39.38	-70.47	-54.08	11.80	13.50	H
	7582.36	-57.73	-13	-44.73	-66.04	-61.03	8.30	11.60	V
	11373.54	-47.53	-13	-34.53	-65.95	-49.05	10.48	12.00	V
	15164.72	-52.59	-13	-39.59	-70.67	-54.29	11.80	13.50	V
Highest	7762.40	-54.71	-13	-41.71	-62.55	-58.01	8.32	11.62	H
	11643.60	-54.02	-13	-41.02	-68.99	-55.70	10.52	12.20	H
	15524.80	-49.67	-13	-36.67	-68.99	-51.37	11.85	13.55	H
	7762.40	-53.96	-13	-40.96	-65.23	-57.26	8.32	11.62	V
	11643.60	-51.22	-13	-38.22	-69.04	-52.90	10.52	12.20	V
	15524.80	-51.42	-13	-38.42	-69.10	-53.12	11.85	13.55	V

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



EN-DC_30A_n77A / LTE 10MHz + NR 100MHz / QPSK(1+5)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Lowest	7402.40	-55.49	-13	-42.49	-64.41	-58.82	8.25	11.58	H
	11103.60	-54.76	-13	-41.76	-69.14	-56.31	10.45	12.00	H
	14804.80	-52.68	-13	-39.68	-69.74	-54.39	11.74	13.45	H
	7402.40	-55.30	-13	-42.30	-64.19	-58.63	8.25	11.58	V
	11103.60	-52.10	-13	-39.10	-68.41	-53.65	10.45	12.00	V
	14804.80	-52.01	-13	-39.01	-69.35	-53.72	11.74	13.45	V
LTE Band30 Lowest	4611.00	-57.22	-40	-17.22	-62.17	-63.47	6.45	12.70	H
	6916.50	-58.32	-40	-18.32	-65.82	-61.72	8.40	11.80	H
	9222.00	-59.98	-40	-19.98	-69.50	-62.33	9.65	12.00	H
	4611.00	-52.53	-40	-12.53	-57.61	-58.78	6.45	12.70	V
	6916.50	-57.41	-40	-17.41	-66.01	-60.81	8.40	11.80	V
	9222.00	-57.76	-40	-17.76	-69.51	-60.11	9.65	12.00	V
NR n77 Middle	7582.36	-55.94	-13	-42.94	-64.25	-59.24	8.30	11.60	H
	11373.54	-55.71	-13	-42.71	-70.05	-57.23	10.48	12.00	H
	15164.72	-52.50	-13	-39.50	-70.59	-54.20	11.80	13.50	H
	7582.36	-55.99	-13	-42.99	-64.3	-59.29	8.30	11.60	V
	11373.54	-49.00	-13	-36.00	-67.42	-50.52	10.48	12.00	V
	15164.72	-52.62	-13	-39.62	-70.70	-54.32	11.80	13.50	V
LTE Band30 Middle	4611.00	-56.83	-40	-16.83	-61.78	-63.08	6.45	12.70	H
	6916.50	-58.21	-40	-18.21	-65.71	-61.61	8.40	11.80	H
	9222.00	-59.91	-40	-19.91	-69.43	-62.26	9.65	12.00	H
	4611.00	-56.05	-40	-16.05	-61.13	-62.30	6.45	12.70	V
	6916.50	-57.52	-40	-17.52	-66.12	-60.92	8.40	11.80	V
	9222.00	-57.27	-40	-17.27	-69.02	-59.62	9.65	12.00	V
NR n77 Highest	7762.40	-55.32	-13	-42.32	-63.16	-58.62	8.32	11.62	H
	11643.60	-53.29	-13	-40.29	-68.26	-54.97	10.52	12.20	H
	15524.80	-49.82	-13	-36.82	-69.14	-51.52	11.85	13.55	H
	7762.40	-54.12	-13	-41.12	-65.39	-57.42	8.32	11.62	V
	11643.60	-50.86	-13	-37.86	-68.68	-52.54	10.52	12.20	V
	15524.80	-51.34	-13	-38.34	-69.02	-53.04	11.85	13.55	V
LTE Band30 Highest	4611.00	-57.01	-40	-17.01	-61.96	-63.26	6.45	12.70	H
	6916.50	-58.44	-40	-18.44	-65.94	-61.84	8.40	11.80	H
	9222.00	-59.31	-40	-19.31	-68.83	-61.66	9.65	12.00	H
	4611.00	-56.36	-40	-16.36	-61.44	-62.61	6.45	12.70	V
	6916.50	-57.34	-40	-17.34	-65.94	-60.74	8.40	11.80	V
	9222.00	-57.36	-40	-17.36	-69.11	-59.71	9.65	12.00	V

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