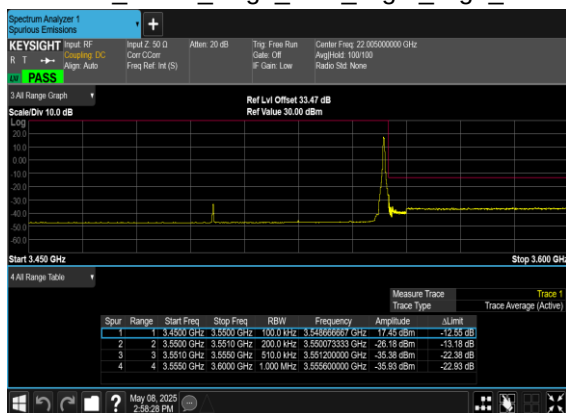
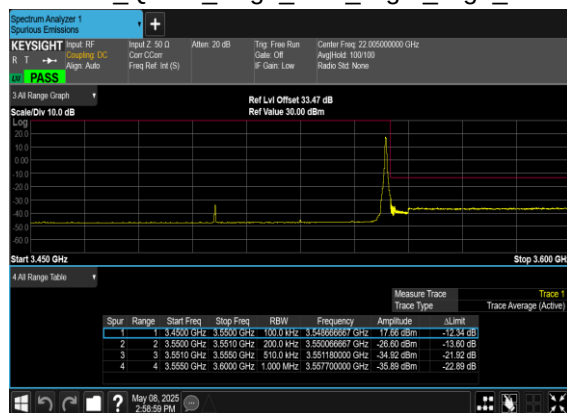




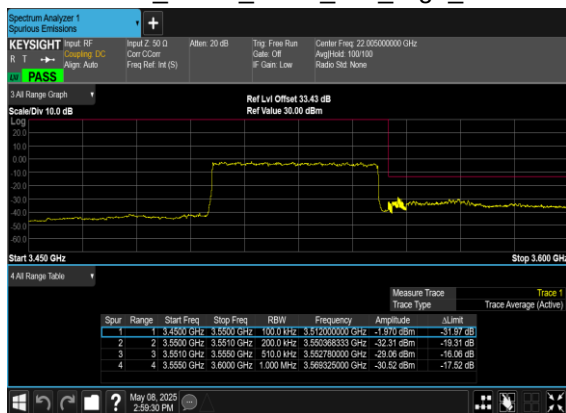
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



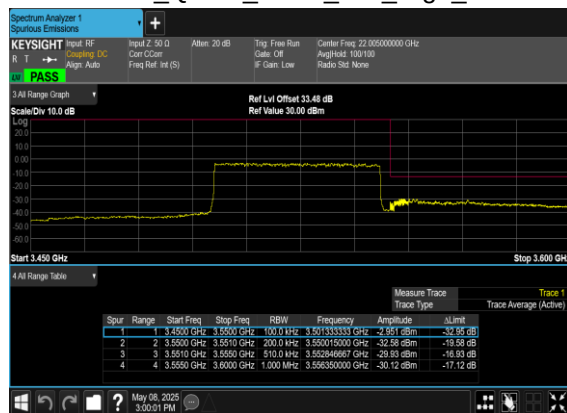
N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

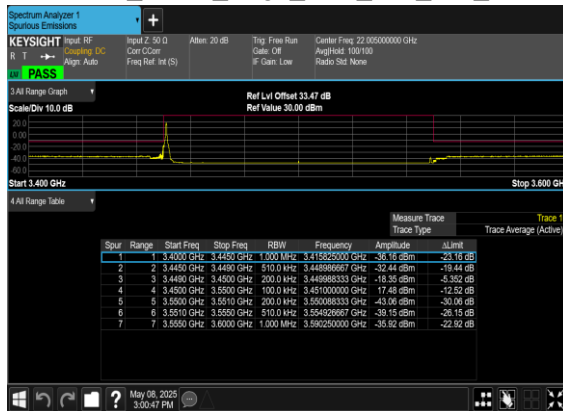


N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

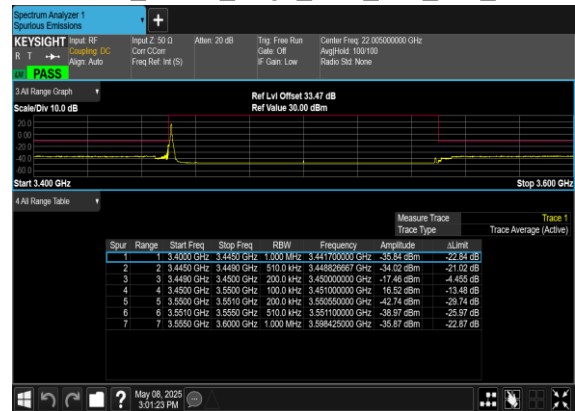




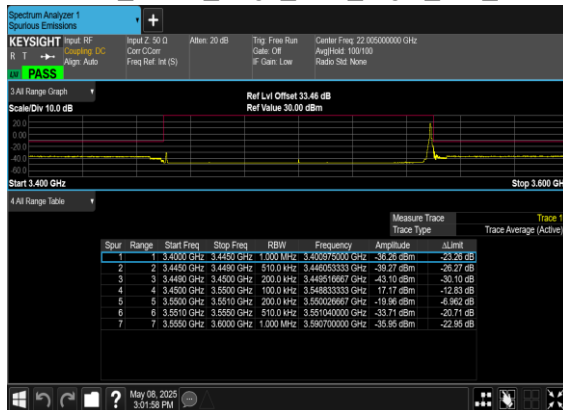
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



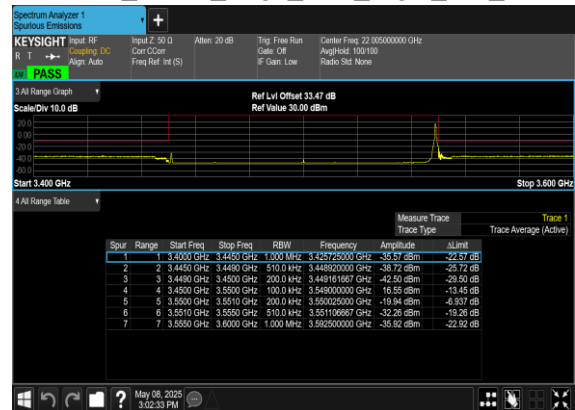
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Mid_CH

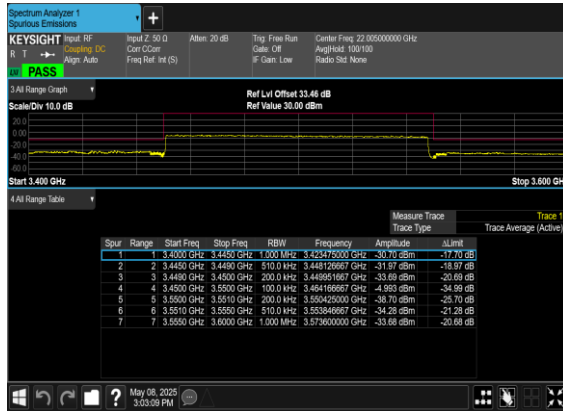


N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_Mid_CH

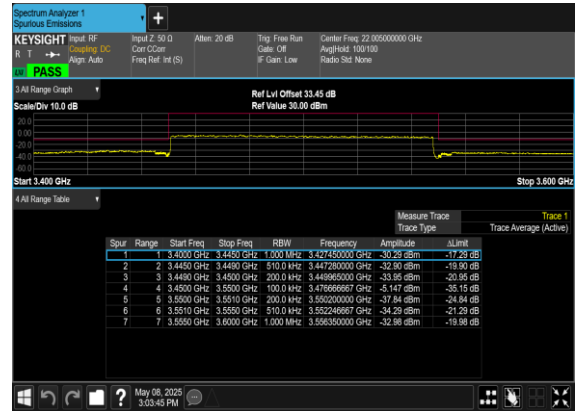




N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Mid_CH



N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH





FR1 N78

Transmitter Conducted Output Power and EIRP, (GT - LC)= 0.1dB

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	23.11	23.21	0.2094
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	23.09	23.19	0.2084
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	23.03	23.13	0.2056
78	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.88	22.98	0.1986
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.86	22.96	0.1977
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.77	22.87	0.1936
78	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@1	23.54	23.64	0.2312
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	23.53	23.63	0.2307
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	23.60	23.70	0.2344
78	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	23.13	23.23	0.2104
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	23.14	23.24	0.2109
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	23.17	23.27	0.2123
78	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.91	23.01	0.2000
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.88	22.98	0.1986
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.76	22.86	0.1932
78	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	23.64	23.74	0.2366
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	23.63	23.73	0.2360
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	23.69	23.79	0.2393
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	23.18	23.28	0.2128
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	23.18	23.28	0.2128
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	23.05	23.15	0.2065
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.00	23.10	0.2042
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.99	23.09	0.2037
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.91	23.01	0.2000
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	23.61	23.71	0.2350
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	23.54	23.64	0.2312
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	23.53	23.63	0.2307
78	30	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@1	23.14	23.24	0.2109
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	23.11	23.21	0.2094
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	23.22	23.32	0.2148
78	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.02	23.12	0.2051
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.01	23.11	0.2046
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.96	23.06	0.2023
78	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	1@1	23.47	23.57	0.2275
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	23.47	23.57	0.2275



78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	23.38	23.48	0.2228
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	23.30	23.40	0.2188
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	23.25	23.35	0.2163
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	23.44	23.54	0.2259
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.23	23.33	0.2153
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.21	23.31	0.2143
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.15	23.25	0.2113
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	23.54	23.64	0.2312
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	23.55	23.65	0.2317
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	23.64	23.74	0.2366
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	23.38	23.48	0.2228
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	23.29	23.39	0.2183
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	23.45	23.55	0.2265
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.43	23.53	0.2254
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.41	23.51	0.2244
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.37	23.47	0.2223
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	23.32	23.42	0.2198
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	23.29	23.39	0.2183
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	23.30	23.40	0.2188
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	22.99	23.09	0.2037
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	22.99	23.09	0.2037
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	22.94	23.04	0.2014
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.02	23.12	0.2051
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.01	23.11	0.2046
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.05	23.15	0.2065
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	22.73	22.83	0.1919
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	22.68	22.78	0.1897
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	22.66	22.76	0.1888
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	23.07	23.17	0.2075
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	23.05	23.15	0.2065
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	23.02	23.12	0.2051
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.11	23.21	0.2094
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.05	23.15	0.2065
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.06	23.16	0.2070
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	22.90	23.00	0.1995
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	22.90	23.00	0.1995
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	22.86	22.96	0.1977
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	22.99	23.09	0.2037
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	23.01	23.11	0.2046
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	22.94	23.04	0.2014
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.03	23.13	0.2056
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.06	23.16	0.2070



78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.95	23.05	0.2018
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	23.00	23.10	0.2042
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	22.99	23.09	0.2037
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	22.98	23.08	0.2032
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	22.97	23.07	0.2028
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	22.93	23.03	0.2009
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	22.95	23.05	0.2018
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.94	23.04	0.2014
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.94	23.04	0.2014
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.90	23.00	0.1995
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	23.06	23.16	0.2070
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	23.02	23.12	0.2051
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	23.11	23.21	0.2094
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	22.92	23.02	0.2004
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	22.86	22.96	0.1977
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	22.87	22.97	0.1982
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.89	22.99	0.1991
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.90	23.00	0.1995
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.85	22.95	0.1972
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	22.95	23.05	0.2018
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	22.92	23.02	0.2004
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	22.92	23.02	0.2004
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	22.86	22.96	0.1977
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.86	22.96	0.1977
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	23.13	23.23	0.2104
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	22.86	22.96	0.1977
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.90	23.00	0.1995
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	23.20	23.30	0.2138
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	22.85	22.95	0.1972
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.81	22.91	0.1954
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	23.26	23.36	0.2168
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	22.86	22.96	0.1977
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.74	22.84	0.1923
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.99	23.09	0.2037
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.35	21.45	0.1396
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.26	21.36	0.1368
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	21.50	21.60	0.1445
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	22.82	22.92	0.1959
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	22.93	23.03	0.2009
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.23	23.33	0.2153

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Jake	Temperature :	22~25°C
		Relative Humidity :	50~53%

Note: Pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

SA n77 / 100MHz / 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)
Middle	6912	-64.31	-13	-51.31	-74.52	3.03	13.24	H
	10368	-60.79	-13	-47.79	-70.24	3.56	13.01	H
	13800	-60.46	-13	-47.46	-69.98	3.92	13.44	H
	6912	-64.45	-13	-51.45	-74.66	3.03	13.24	V
	10368	-60.84	-13	-47.84	-70.29	3.56	13.01	V
	13800	-55.72	-13	-42.72	-65.24	3.92	13.44	V

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

EN-DC_7A_n77A / LTE 20MHz + NR 100MHz / QPSK (ANT6+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)
Middle	6912	-62.42	-13	-49.42	-72.63	3.03	13.24	H
	10356	-52.35	-13	-39.35	-61.80	3.56	13.01	H
	13800	-58.20	-13	-45.20	-67.72	3.92	13.44	H
	6912	-62.52	-13	-49.52	-72.73	3.03	13.24	V
	10356	-57.71	-13	-44.71	-67.16	3.56	13.01	V
	13800	-53.03	-13	-40.03	-62.55	3.92	13.44	V

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