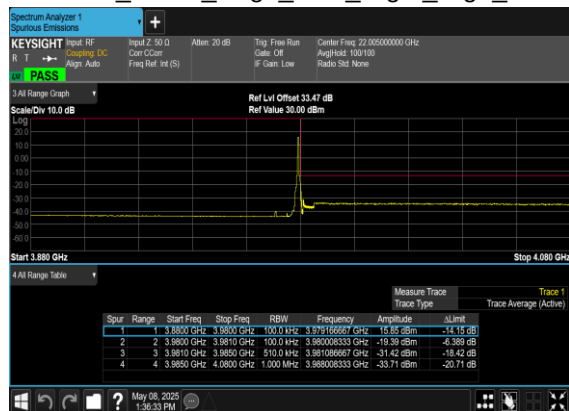
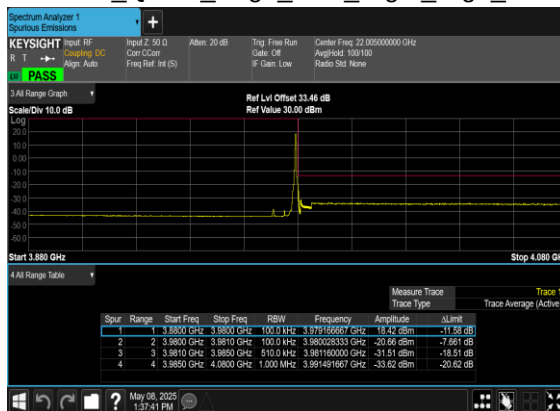




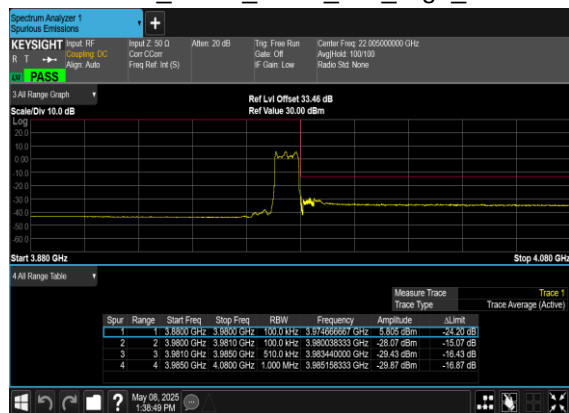
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



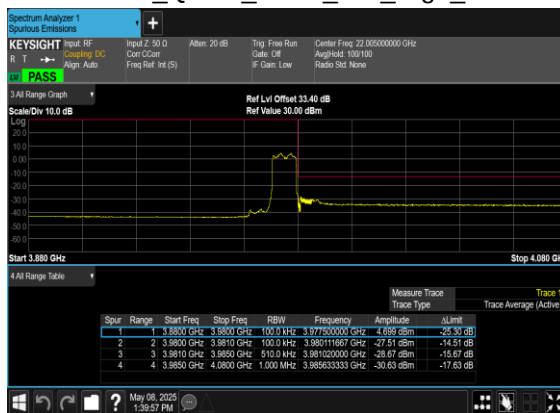
N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

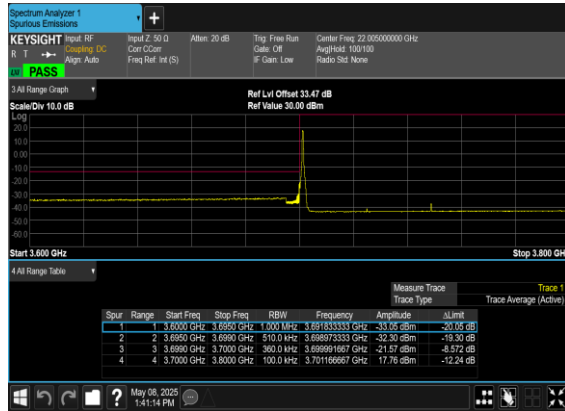


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OFDM_QPSK_Outer_Full_High_CH

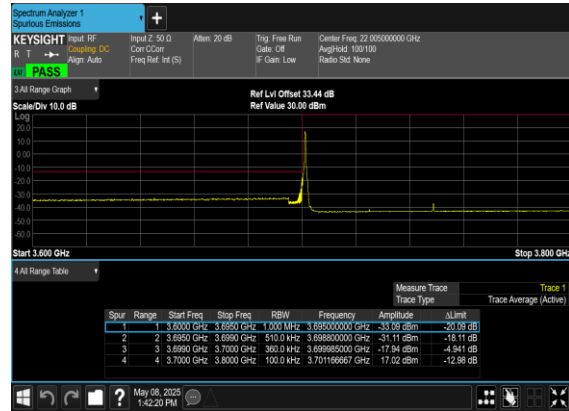




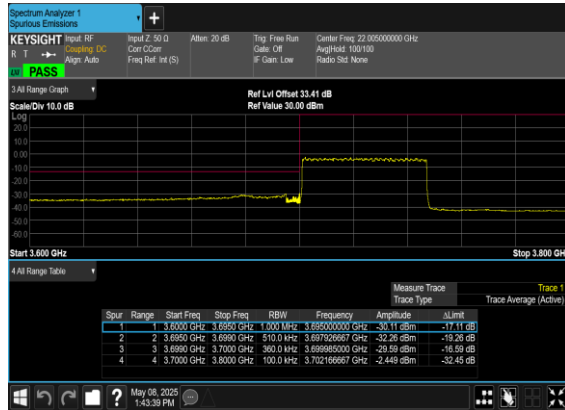
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OFDM_BPSK_Edge_1RB_Left_Low_CH



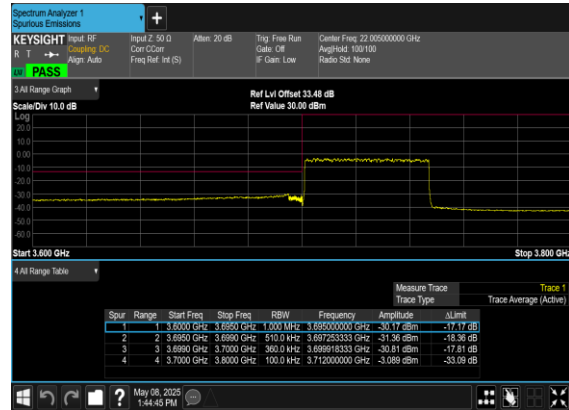
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OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

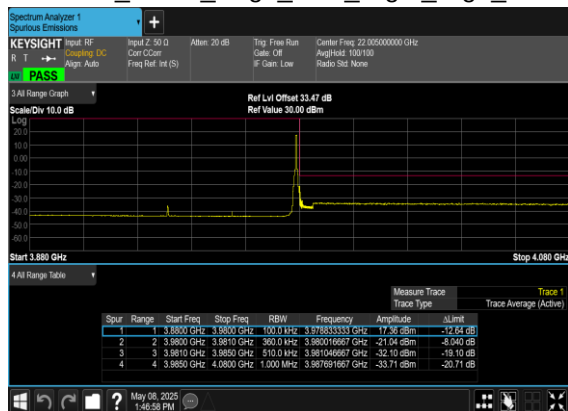


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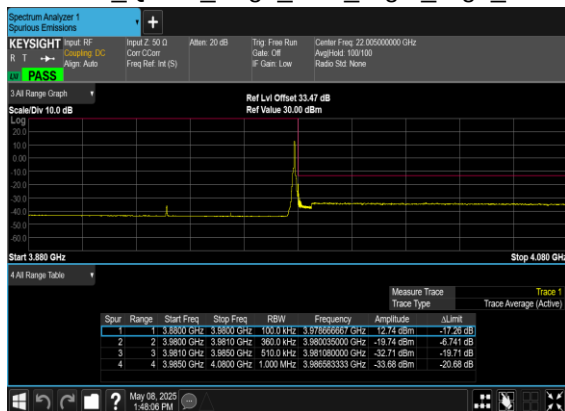




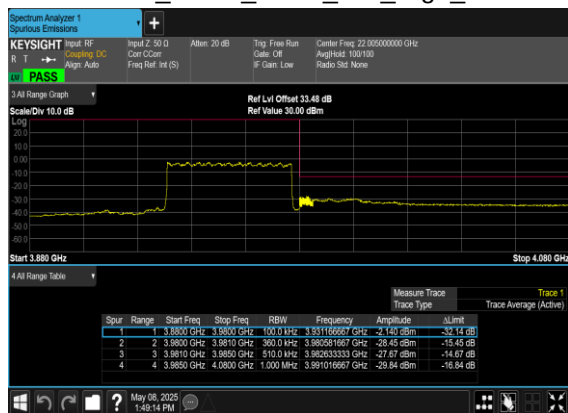
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OFDM_BPSK_Edge_1RB_Right_High_CH



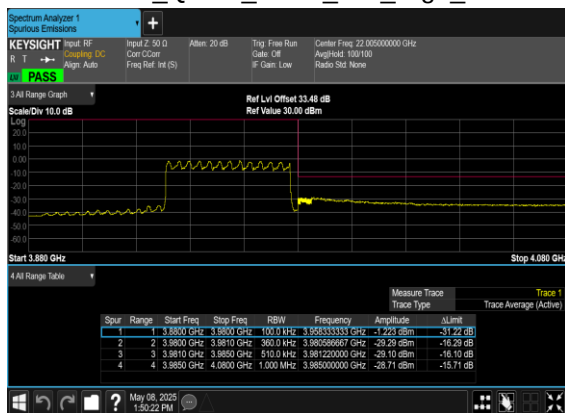
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OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

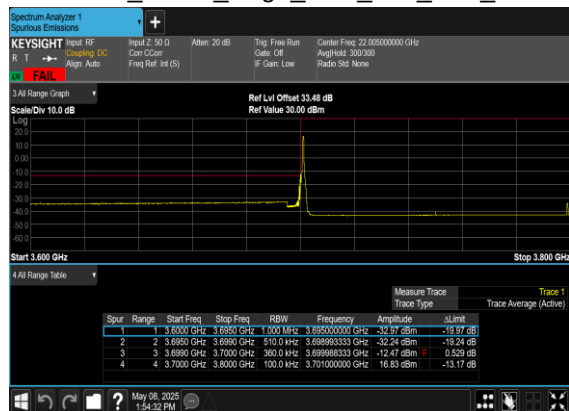


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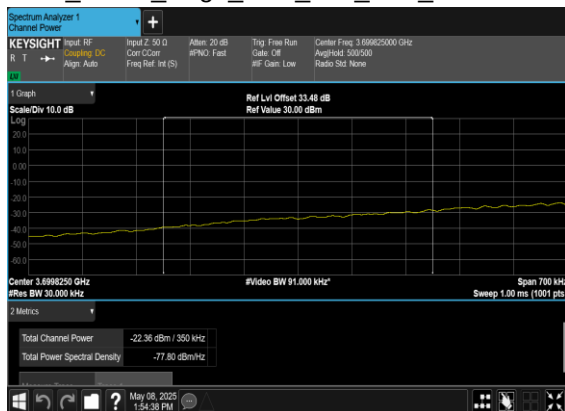




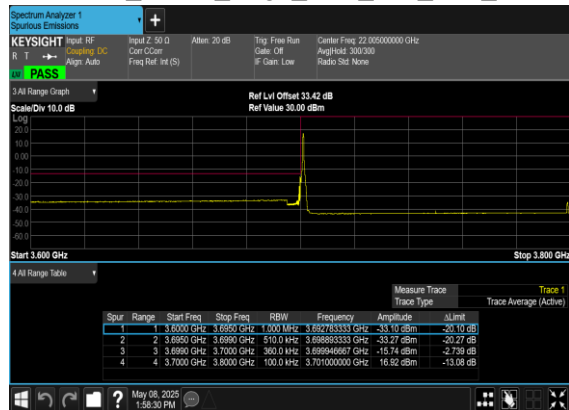
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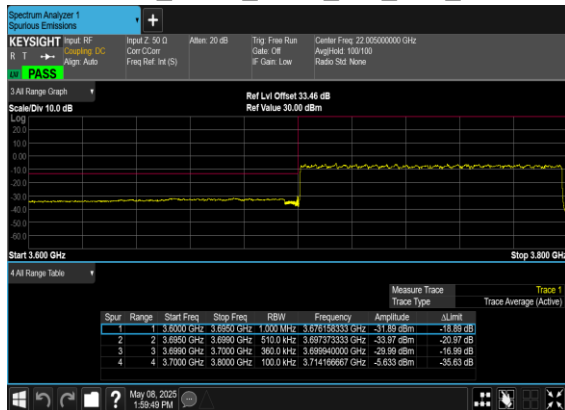
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OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

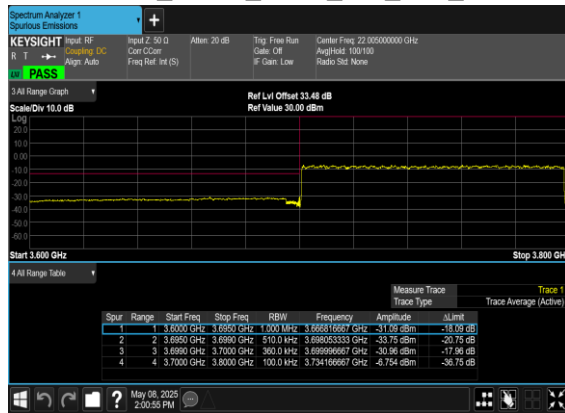


N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

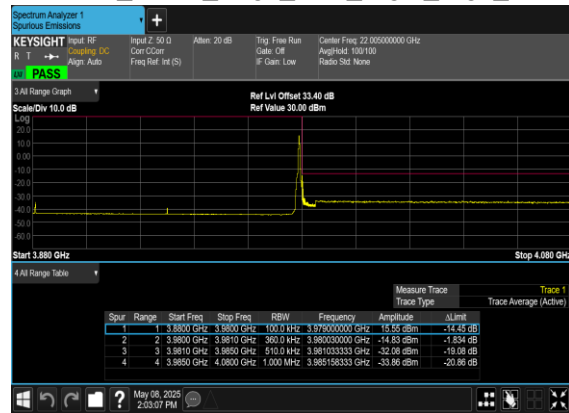




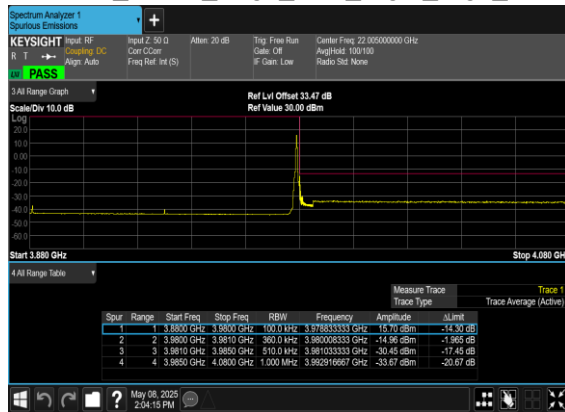
N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



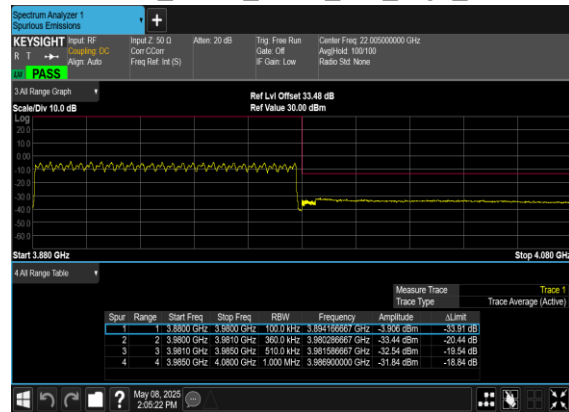
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH

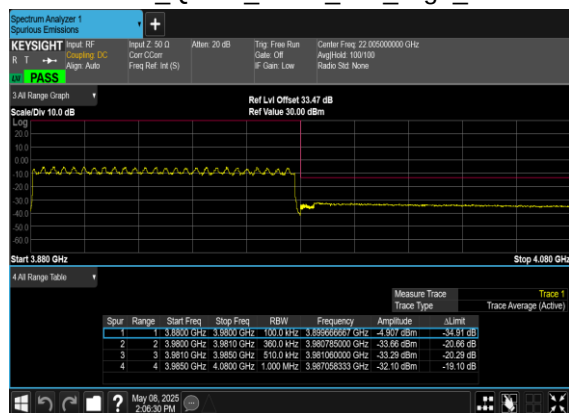


N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH





N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N78

Transmitter Conducted Output Power and EIRP, (GT - LC)= -0.3dB

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	23.81	23.51	0.2244
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	23.78	23.48	0.2228
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	23.91	23.61	0.2296
78	30	10	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.48	23.18	0.2080
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	23.44	23.14	0.2061
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.38	23.08	0.2032
78	30	10	653000	3795	DFT-s-OFDM PI/2 BPSK	1@1	23.51	23.21	0.2094
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	23.49	23.19	0.2084
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	23.44	23.14	0.2061
78	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@1	23.92	23.62	0.2301
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	23.95	23.65	0.2317
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	23.88	23.58	0.2280
78	30	15	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.67	23.37	0.2173
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	23.66	23.36	0.2168
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.78	23.48	0.2228
78	30	15	652832	3792.48	DFT-s-OFDM PI/2 BPSK	1@1	23.55	23.25	0.2113
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	23.55	23.25	0.2113
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	23.52	23.22	0.2099
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	23.95	23.65	0.2317
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	23.94	23.64	0.2312
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	24.02	23.72	0.2355
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.70	23.40	0.2188
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	23.72	23.42	0.2198
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.64	23.34	0.2158
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@1	23.64	23.34	0.2158
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	23.61	23.31	0.2143
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	23.54	23.24	0.2109
78	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	23.92	23.62	0.2301
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	23.92	23.62	0.2301
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	23.89	23.59	0.2286
78	30	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.76	23.46	0.2218



78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	23.74	23.44	0.2208
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.65	23.35	0.2163
78	30	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@1	23.68	23.38	0.2178
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	23.67	23.37	0.2173
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	23.61	23.31	0.2143
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	23.98	23.68	0.2333
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	24.02	23.72	0.2355
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.07	23.77	0.2382
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.93	23.63	0.2307
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	23.92	23.62	0.2301
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.90	23.60	0.2291
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@1	23.74	23.44	0.2208
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	23.74	23.44	0.2208
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	23.68	23.38	0.2178
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	24.09	23.79	0.2393
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	24.10	23.80	0.2399
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	24.15	23.85	0.2427
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	24.07	23.77	0.2382
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	24.05	23.75	0.2371
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.12	23.82	0.2410
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	23.91	23.61	0.2296
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	23.78	23.48	0.2228
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	23.94	23.64	0.2312
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	23.77	23.47	0.2223
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	23.74	23.44	0.2208
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	23.84	23.54	0.2259
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.75	23.45	0.2213
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	23.75	23.45	0.2213
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.67	23.37	0.2173
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	23.37	23.07	0.2028
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	23.36	23.06	0.2023
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	23.45	23.15	0.2065
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	23.68	23.38	0.2178
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	23.67	23.37	0.2173
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	23.77	23.47	0.2223
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.62	23.32	0.2148
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	23.67	23.37	0.2173



78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.68	23.38	0.2178
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@1	23.51	23.21	0.2094
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	23.54	23.24	0.2109
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	23.46	23.16	0.2070
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	23.70	23.40	0.2188
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	23.71	23.41	0.2193
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	23.80	23.50	0.2239
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.69	23.39	0.2183
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	23.68	23.38	0.2178
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.72	23.42	0.2198
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@1	23.72	23.42	0.2198
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	23.71	23.41	0.2193
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	23.63	23.33	0.2153
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	23.65	23.35	0.2163
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	23.65	23.35	0.2163
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	23.64	23.34	0.2158
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.71	23.41	0.2193
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	23.66	23.36	0.2168
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.64	23.34	0.2158
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@1	23.71	23.41	0.2193
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	23.68	23.38	0.2178
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	23.73	23.43	0.2203
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	23.64	23.34	0.2158
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	23.68	23.38	0.2178
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	23.76	23.46	0.2218
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.66	23.36	0.2168
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	23.66	23.36	0.2168
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.79	23.49	0.2234
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@1	23.73	23.43	0.2203
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	23.72	23.42	0.2198
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	23.67	23.37	0.2173
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	23.41	23.11	0.2046
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.64	23.34	0.2158
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	23.26	22.96	0.1977
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	23.42	23.12	0.2051
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	23.67	23.37	0.2173
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	23.26	22.96	0.1977



78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	23.36	23.06	0.2023
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.63	23.33	0.2153
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	23.21	22.91	0.1954
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	23.39	23.09	0.2037
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.49	23.19	0.2084
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	23.05	22.75	0.1884
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	21.91	21.61	0.1449
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	22.02	21.72	0.1486
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	21.69	21.39	0.1377
78	30	100	650000	3750	CP-OFDM QPSK	137@68	23.36	23.06	0.2023
78	30	100	650000	3750	CP-OFDM QPSK	1@1	23.67	23.37	0.2173
78	30	100	650000	3750	CP-OFDM QPSK	1@271	23.30	23.00	0.1995



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 / ANT3								
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	7584.00	-62.38	-13	-49.38	-55.87	-65.68	8.30	H
	11376.00	-53.10	-13	-40.10	-61.54	-54.62	10.48	H
	15180.00	-61.02	-13	-48.02	-61.36	-62.72	11.80	H
	7584.00	-62.93	-13	-49.93	-57.01	-66.23	8.30	V
	11376.00	-53.42	-13	-40.42	-61.59	-54.94	10.48	V
	15180.00	-60.29	-13	-47.29	-61.22	-61.99	11.80	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+3)								
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	7584.00	-60.27	-13	-47.27	-55.87	-63.57	8.30	H
	11388.00	-54.90	-13	-41.90	-61.54	-56.42	10.48	H
	15180.00	-59.40	-13	-46.40	-61.36	-61.10	11.80	H
	7584.00	-60.25	-13	-47.25	-57.01	-63.55	8.30	V
	11388.00	-54.36	-13	-41.36	-61.59	-55.88	10.48	V
	15180.00	-59.56	-13	-46.56	-61.22	-61.26	11.80	V

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