



Appendix_k: Test Data for SA-N77-1-3450M-3550M

Product Name: Smart Phone

Test Model: BraX3

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng





k.1 Conducted Output Power Data

TestResult

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	LowLimit	UpLimit	Result
n77	20MHz	30kHz	630668	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.07	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.03	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.19	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.65	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.65	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.74	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	23.98	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.00	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.17	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.67	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.71	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.20	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.08	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.87	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.11	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.98	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.91	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.73	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.68	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.72	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.72	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.39	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.49	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	24	CP-OFDM QPSK^Inner_Full:PC2	22.67	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.00	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	21.97	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	27	CP-OFDM 16QAM^Inner_Full:PC2	22.22	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.83	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.94	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	30	CP-OFDM 64QAM^Inner_Full:PC2	20.78	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.77	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.81	-99.90	29.00	PASS
n77	20MHz	30kHz	630668	33	CP-OFDM 256QAM^Inner_Full:PC2	17.78	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	23.98	-99.90	29.00	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



n77	20MHz	30kHz	633332	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	23.97	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.09	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.75	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.63	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.65	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.05	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	23.96	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.17	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.72	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.67	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.15	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.02	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.98	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.14	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.81	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.71	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.74	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.68	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.64	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.75	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.36	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.41	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	24	CP-OFDM QPSK^Inner_Full:PC2	22.58	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.07	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.03	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	27	CP-OFDM 16QAM^Inner_Full:PC2	22.13	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.79	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.74	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	30	CP-OFDM 64QAM^Inner_Full:PC2	20.81	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.78	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.78	-99.90	29.00	PASS
n77	20MHz	30kHz	633332	33	CP-OFDM 256QAM^Inner_Full:PC2	17.84	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.08	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.09	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.25	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.82	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.81	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.73	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.02	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.02	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.27	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.80	-99.90	29.00	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



n77	20MHz	30kHz	636000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.81	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.22	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.11	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.03	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.17	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.80	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.91	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.76	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.84	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.81	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.96	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.40	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.48	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	24	CP-OFDM QPSK^Inner_Full:PC2	22.77	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.11	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.05	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	27	CP-OFDM 16QAM^Inner_Full:PC2	22.23	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.92	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.90	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	30	CP-OFDM 64QAM^Inner_Full:PC2	20.98	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.90	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.93	-99.90	29.00	PASS
n77	20MHz	30kHz	636000	33	CP-OFDM 256QAM^Inner_Full:PC2	17.99	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.07	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	23.98	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.20	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.84	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.71	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.78	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.12	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	23.99	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.21	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.84	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.75	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.23	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.24	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.08	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.16	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	22.10	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.87	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.83	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.78	-99.90	29.00	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



n77	50MHz	30kHz	631668	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.71	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.88	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.43	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.29	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	24	CP-OFDM QPSK^Inner_Full:PC2	22.65	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.07	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	21.96	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	27	CP-OFDM 16QAM^Inner_Full:PC2	22.22	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.81	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.78	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	30	CP-OFDM 64QAM^Inner_Full:PC2	20.85	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.85	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.79	-99.90	29.00	PASS
n77	50MHz	30kHz	631668	33	CP-OFDM 256QAM^Inner_Full:PC2	17.90	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.10	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	23.98	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.26	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.85	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.78	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.72	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.11	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	23.99	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.26	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.85	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.75	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.22	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.06	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.95	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.18	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	22.14	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.84	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.87	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.81	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.73	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.93	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.45	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.30	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	24	CP-OFDM QPSK^Inner_Full:PC2	22.65	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.18	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.08	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	27	CP-OFDM 16QAM^Inner_Full:PC2	22.24	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.88	-99.90	29.00	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



n77	50MHz	30kHz	633332	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.75	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	30	CP-OFDM 64QAM^Inner_Full:PC2	20.92	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.89	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.79	-99.90	29.00	PASS
n77	50MHz	30kHz	633332	33	CP-OFDM 256QAM^Inner_Full:PC2	17.98	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.11	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.03	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.19	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.87	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.89	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.69	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.17	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.13	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.19	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.92	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.87	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.24	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.21	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.97	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.14	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.87	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.90	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.77	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.88	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.85	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.93	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.53	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.53	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	24	CP-OFDM QPSK^Inner_Full:PC2	22.62	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.19	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.09	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	27	CP-OFDM 16QAM^Inner_Full:PC2	22.14	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	21.04	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.98	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	30	CP-OFDM 64QAM^Inner_Full:PC2	20.91	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.92	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.92	-99.90	29.00	PASS
n77	50MHz	30kHz	635000	33	CP-OFDM 256QAM^Inner_Full:PC2	17.98	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.21	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.01	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.27	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.86	-99.90	29.00	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

n77	100MHz	30kHz	633332	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.68	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.80	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.28	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.05	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.19	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.88	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.72	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.25	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.16	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.92	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.20	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	22.16	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.79	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.84	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.90	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.71	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.89	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.57	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.31	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	24	CP-OFDM QPSK^Inner_Full:PC2	22.69	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.22	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	21.91	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	27	CP-OFDM 16QAM^Inner_Full:PC2	22.28	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.87	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.71	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	30	CP-OFDM 64QAM^Inner_Full:PC2	20.80	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.98	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.72	-99.90	29.00	PASS
n77	100MHz	30kHz	633332	33	CP-OFDM 256QAM^Inner_Full:PC2	17.89	-99.90	29.00	PASS





k.2 Peak to average ratio

TestResult

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	LowLimit	UpLimit	Result
n77	20MHz	30kHz	630668	1	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	4.3	0.00	13.00	PASS
n77	20MHz	30kHz	630668	2	DFT-s-OFDM QPSK^Outer_Full:PC2	5.5	0.00	13.00	PASS
n77	20MHz	30kHz	630668	3	DFT-s-OFDM 16QAM^Outer_Full:PC2	6.4	0.00	13.00	PASS
n77	20MHz	30kHz	630668	4	DFT-s-OFDM 64QAM^Outer_Full:PC2	6.4	0.00	13.00	PASS
n77	20MHz	30kHz	630668	5	DFT-s-OFDM 256QAM^Outer_Full:PC2	6.6	0.00	13.00	PASS
n77	20MHz	30kHz	630668	6	CP-OFDM QPSK^Outer_Full:PC2	8.0	0.00	13.00	PASS
n77	20MHz	30kHz	630668	7	CP-OFDM 16QAM^Outer_Full:PC2	8.1	0.00	13.00	PASS
n77	20MHz	30kHz	630668	8	CP-OFDM 64QAM^Outer_Full:PC2	8.2	0.00	13.00	PASS
n77	20MHz	30kHz	630668	9	CP-OFDM 256QAM^Outer_Full:PC2	8.7	0.00	13.00	PASS
n77	20MHz	30kHz	633332	1	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	4.4	0.00	13.00	PASS
n77	20MHz	30kHz	633332	2	DFT-s-OFDM QPSK^Outer_Full:PC2	5.5	0.00	13.00	PASS
n77	20MHz	30kHz	633332	3	DFT-s-OFDM 16QAM^Outer_Full:PC2	6.4	0.00	13.00	PASS
n77	20MHz	30kHz	633332	4	DFT-s-OFDM 64QAM^Outer_Full:PC2	6.4	0.00	13.00	PASS
n77	20MHz	30kHz	633332	5	DFT-s-OFDM 256QAM^Outer_Full:PC2	6.7	0.00	13.00	PASS
n77	20MHz	30kHz	633332	6	CP-OFDM QPSK^Outer_Full:PC2	8.0	0.00	13.00	PASS
n77	20MHz	30kHz	633332	7	CP-OFDM 16QAM^Outer_Full:PC2	8.0	0.00	13.00	PASS
n77	20MHz	30kHz	633332	8	CP-OFDM 64QAM^Outer_Full:PC2	8.2	0.00	13.00	PASS
n77	20MHz	30kHz	633332	9	CP-OFDM 256QAM^Outer_Full:PC2	8.8	0.00	13.00	PASS
n77	20MHz	30kHz	636000	1	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	4.4	0.00	13.00	PASS
n77	20MHz	30kHz	636000	2	DFT-s-OFDM QPSK^Outer_Full:PC2	5.5	0.00	13.00	PASS
n77	20MHz	30kHz	636000	3	DFT-s-OFDM 16QAM^Outer_Full:PC2	6.2	0.00	13.00	PASS
n77	20MHz	30kHz	636000	4	DFT-s-OFDM 64QAM^Outer_Full:PC2	6.4	0.00	13.00	PASS
n77	20MHz	30kHz	636000	5	DFT-s-OFDM 256QAM^Outer_Full:PC2	6.6	0.00	13.00	PASS
n77	20MHz	30kHz	636000	6	CP-OFDM QPSK^Outer_Full:PC2	7.9	0.00	13.00	PASS
n77	20MHz	30kHz	636000	7	CP-OFDM 16QAM^Outer_Full:PC2	7.9	0.00	13.00	PASS
n77	20MHz	30kHz	636000	8	CP-OFDM 64QAM^Outer_Full:PC2	8.0	0.00	13.00	PASS
n77	20MHz	30kHz	636000	9	CP-OFDM 256QAM^Outer_Full:PC2	8.7	0.00	13.00	PASS
n77	50MHz	30kHz	631668	1	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	3.7	0.00	13.00	PASS
n77	50MHz	30kHz	631668	2	DFT-s-OFDM QPSK^Outer_Full:PC2	5.3	0.00	13.00	PASS
n77	50MHz	30kHz	631668	3	DFT-s-OFDM 16QAM^Outer_Full:PC2	6.4	0.00	13.00	PASS
n77	50MHz	30kHz	631668	4	DFT-s-OFDM 64QAM^Outer_Full:PC2	6.8	0.00	13.00	PASS
n77	50MHz	30kHz	631668	5	DFT-s-OFDM 256QAM^Outer_Full:PC2	6.8	0.00	13.00	PASS
n77	50MHz	30kHz	631668	6	CP-OFDM QPSK^Outer_Full:PC2	8.1	0.00	13.00	PASS
n77	50MHz	30kHz	631668	7	CP-OFDM 16QAM^Outer_Full:PC2	8.1	0.00	13.00	PASS
n77	50MHz	30kHz	631668	8	CP-OFDM 64QAM^Outer_Full:PC2	8.3	0.00	13.00	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



n77	50MHz	30kHz	631668	9	CP-OFDM 256QAM^Outer_Full:PC2	8.4	0.00	13.00	PASS
n77	50MHz	30kHz	633332	1	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	3.8	0.00	13.00	PASS
n77	50MHz	30kHz	633332	2	DFT-s-OFDM QPSK^Outer_Full:PC2	5.3	0.00	13.00	PASS
n77	50MHz	30kHz	633332	3	DFT-s-OFDM 16QAM^Outer_Full:PC2	6.5	0.00	13.00	PASS
n77	50MHz	30kHz	633332	4	DFT-s-OFDM 64QAM^Outer_Full:PC2	6.6	0.00	13.00	PASS
n77	50MHz	30kHz	633332	5	DFT-s-OFDM 256QAM^Outer_Full:PC2	6.8	0.00	13.00	PASS
n77	50MHz	30kHz	633332	6	CP-OFDM QPSK^Outer_Full:PC2	8.2	0.00	13.00	PASS
n77	50MHz	30kHz	633332	7	CP-OFDM 16QAM^Outer_Full:PC2	8.2	0.00	13.00	PASS
n77	50MHz	30kHz	633332	8	CP-OFDM 64QAM^Outer_Full:PC2	8.3	0.00	13.00	PASS
n77	50MHz	30kHz	633332	9	CP-OFDM 256QAM^Outer_Full:PC2	8.5	0.00	13.00	PASS
n77	50MHz	30kHz	635000	1	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	3.8	0.00	13.00	PASS
n77	50MHz	30kHz	635000	2	DFT-s-OFDM QPSK^Outer_Full:PC2	5.2	0.00	13.00	PASS
n77	50MHz	30kHz	635000	3	DFT-s-OFDM 16QAM^Outer_Full:PC2	6.3	0.00	13.00	PASS
n77	50MHz	30kHz	635000	4	DFT-s-OFDM 64QAM^Outer_Full:PC2	6.5	0.00	13.00	PASS
n77	50MHz	30kHz	635000	5	DFT-s-OFDM 256QAM^Outer_Full:PC2	6.8	0.00	13.00	PASS
n77	50MHz	30kHz	635000	6	CP-OFDM QPSK^Outer_Full:PC2	8.2	0.00	13.00	PASS
n77	50MHz	30kHz	635000	7	CP-OFDM 16QAM^Outer_Full:PC2	8.1	0.00	13.00	PASS
n77	50MHz	30kHz	635000	8	CP-OFDM 64QAM^Outer_Full:PC2	8.3	0.00	13.00	PASS
n77	50MHz	30kHz	635000	9	CP-OFDM 256QAM^Outer_Full:PC2	8.6	0.00	13.00	PASS
n77	100MHz	30kHz	633332	1	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	5.4	0.00	13.00	PASS
n77	100MHz	30kHz	633332	2	DFT-s-OFDM QPSK^Outer_Full:PC2	6.8	0.00	13.00	PASS
n77	100MHz	30kHz	633332	3	DFT-s-OFDM 16QAM^Outer_Full:PC2	7.4	0.00	13.00	PASS
n77	100MHz	30kHz	633332	4	DFT-s-OFDM 64QAM^Outer_Full:PC2	7.3	0.00	13.00	PASS
n77	100MHz	30kHz	633332	5	DFT-s-OFDM 256QAM^Outer_Full:PC2	7.4	0.00	13.00	PASS
n77	100MHz	30kHz	633332	6	CP-OFDM QPSK^Outer_Full:PC2	8.3	0.00	13.00	PASS
n77	100MHz	30kHz	633332	7	CP-OFDM 16QAM^Outer_Full:PC2	8.5	0.00	13.00	PASS
n77	100MHz	30kHz	633332	8	CP-OFDM 64QAM^Outer_Full:PC2	8.4	0.00	13.00	PASS
n77	100MHz	30kHz	633332	9	CP-OFDM 256QAM^Outer_Full:PC2	8.3	0.00	13.00	PASS





TestGraph





























































































