

APPENDIX G

DATA SHEETS



RADIATED EMISSIONS

COMPANY NAME: APPLIED WIRELESS DATE: 5-10-05

EUT: ACU (Audio Control Unit) EUT S/N: 009

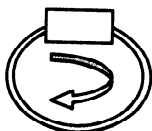
EUT MODEL: 580230 **LOCATION:** ☐ BREA ☐ SILVERADO ☐ AGOURA

SPECIFICATION: FCC PT15.209 CLASS: TEST DISTANCE: 3 METERS LAB: OFFSITE

ANTENNA: ☒ LOOP ☐ BICONICAL ☐ LOG ☐ HORN POLARIZATION: ☐ VERT ☐ HORIZ

☒ QUALIFICATION ☐ ENGINEERING ☐ MFG. AUDIT ENGINEER: J. MADRANGBAYAN

NOTES:



Pol. B

310 CAR # 119(A) AND 120(B)

[illegible]

* DELTA = METER READING - CORRECTED LIMIT



RADIATED EMISSIONS

COMPANY NAME: APPLIED WIRELESS DATE: 5-10-05

EUT: ACU (Audio Control Unit) EUT S/N: 009

EUT MODEL: 580230 **LOCATION:** ☐ BREA ☐ SILVERADO ☐ AGOURA

SPECIFICATION: FCC PT. 15.209 **CLASS:** **TEST DISTANCE:** 3 METERS **LAB:** OFFSITE

ANTENNA: ☐ LOOP ☒ BICONICAL ☒ LOG ☒ HORN POLARIZATION: ☒ VERT ☒ HORIZ

☒ QUALIFICATION ☐ ENGINEERING ☐ MFG. AUDIT ENGINEER: J. M. GONZALEZ

NOTES: 310 CAR # 119(A) AND 120(B)

[illegible]

* DELTA = METER READING - CORRECTED LIMIT

DUAL LATERAL ANTENNA CONFIGURATION

The diagram shows a train with two rail cars, labeled "RAIL CAR 'A'" and "RAIL CAR 'B'". Rail Car A contains seats 15, 14, and 13 from left to right. Rail Car B contains seats 12, 11, 10, and 9 from left to right. Each seat is represented by a red oval with a corresponding number in a blue box below it.

[illegible]

DATA SHEET TITLE

FCC SECTION 15.209 - RADIATED EMISSIONS

CAR LENGTH =	75	feet
DISTANCE BETWEEN		
RAIL CARS =	0	feet
CAR WIDTH=	9	feet
POSITIONS PER SIDE	7	

TOTAL LENGTH =	150	feet
DIST. FROM POSITIONS	1,7,9&15	
TO END OF CAR	10.71	feet
SEPARATION DISTANCE BETWEEN		
ALL POSITIONS	21.43	feet

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	
EUT	ACU	
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	
S/N	009	
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	
DATE	10-May-2005	
TEST ENGINEER	JOEY MADLANGBAYAN	
TEST DISTANCE	3.0	
LOW CHANNEL	88.1	
MIDDLE CHANNEL	97.9	
HIGH CHANNEL	107.7	

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FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 1

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	10-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	1

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	35.6	30.4	QP	36.0	31.7	QP		7.7	1.1	0.0		39.2	-4.3	40.5	-3.0	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	31.6	27.3	QP	35.6	30.0	QP		10.2	1.2	0.0		38.7	-4.8	41.4	-2.1	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	32.6	29.9	QP	33.5	27.9	QP		11.2	1.3	0.0		42.4	-1.1	40.4	-3.1	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 2

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	10-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	2

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	38.1	33.8	QP	34.6	28.9	QP		7.7	1.1	0.0		42.6	-0.9	37.7	-5.8	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	33.6	30.5	QP	34.3	28.8	QP		10.2	1.2	0.0		41.9	-1.6	40.2	-3.3	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	34.6	29.5	QP	32.7	26.5	QP		11.2	1.3	0.0		42.0	-1.5	39.0	-4.5	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 4

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	10-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	4

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	35.6	31.8	QP	32.8	29.8	QP		7.7	1.1	0.0		40.6	-2.9	38.6	-4.9	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	32.9	27.7	QP	32.1	30.1	QP		10.2	1.2	0.0		39.1	-4.4	41.5	-2.0	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	32.0	26.5	QP	31.3	28.9	QP		11.2	1.3	0.0		39.0	-4.5	41.4	-2.1	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 3

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	10-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	3

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	36.0	33.5	QP	35.1	30.7	QP		7.7	1.1	0.0		42.3	-1.2	39.5	-4.0	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	34.8	29.4	QP	33.5	28.7	QP		10.2	1.2	0.0		40.8	-2.7	40.1	-3.4	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	34.1	29.8	QP	32.6	26.8	QP		11.2	1.3	0.0		42.3	-1.2	39.3	-4.2	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 5

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	10-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	5

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	37.1	33.3	QP	33.5	29.1	QP		7.7	1.1	0.0		42.1	-1.4	37.9	-5.6	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	34.6	29.8	QP	34.7	29.7	QP		10.2	1.2	0.0		41.2	-2.3	41.1	-2.4	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	32.0	27.9	QP	32.2	27.4	QP		11.2	1.3	0.0		40.4	-3.1	39.9	-3.6	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 6

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	10-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	6

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	34.0	30.6	QP	34.6	29.2	QP		7.7	1.1	0.0		39.4	-4.1	38.0	-5.5	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	33.4	27.8	QP	33.2	28.7	QP		10.2	1.2	0.0		39.2	-4.3	40.1	-3.4	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	32.1	29.9	QP	31.6	26.8	QP		11.2	1.3	0.0		42.4	-1.1	39.3	-4.2	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 7

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	10-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	7

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	36.2	32.0	QP	34.6	30.5	QP		7.7	1.1	0.0		40.8	-2.7	39.3	-4.2	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	33.2	28.0	QP	35.3	31.6	QP		10.2	1.2	0.0		39.4	-4.1	43.0	-0.5	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	32.3	28.6	QP	30.4	27.9	QP		11.2	1.3	0.0		41.1	-2.4	40.4	-3.1	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 8

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	10-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	8

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	36.4	33.5	QP	33.5	28.7	QP		7.7	1.1	0.0		42.3	-1.2	37.5	-6.0	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	32.1	27.2	QP	32.4	26.9	QP		10.2	1.2	0.0		38.6	-4.9	38.3	-5.2	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	32.1	27.5	QP	31.1	26.5	QP		11.2	1.3	0.0		40.0	-3.5	39.0	-4.5	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 9

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	10-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	9

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	32.6	29.7	QP	35.0	31.4	QP		7.7	1.1	0.0		38.5	-5.0	40.2	-3.3	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	32.4	27.2	QP	31.9	27.3	QP		10.2	1.2	0.0		38.6	-4.9	38.7	-4.8	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	30.7	26.5	QP	31.7	27.0	QP		11.2	1.3	0.0		39.0	-4.5	39.5	-4.0	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 10

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	10-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	10

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	36.4	33.2	QP	36.8	33.1	QP		7.7	1.1	0.0		42.0	-1.5	41.9	-1.6	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	32.3	27.3	QP	33.1	28.1	QP		10.2	1.2	0.0		38.7	-4.8	39.5	-4.0	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.0	27.1	QP	31.0	26.3	QP		11.2	1.3	0.0		39.6	-3.9	38.8	-4.7	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 11

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	10-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	11

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	33.8	28.1	QP	35.9	31.5	QP		7.7	1.1	0.0		36.9	-6.6	40.3	-3.2	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	31.9	26.9	QP	32.7	27.5	QP		10.2	1.2	0.0		38.3	-5.2	38.9	-4.6	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	30.8	26.3	QP	31.1	26.7	QP		11.2	1.3	0.0		38.8	-4.7	39.2	-4.3	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 12

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	10-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	12

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	32.8	27.7	QP	35.3	31.2	QP		7.7	1.1	0.0		36.5	-7.0	40.0	-3.5	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	32.3	26.5	QP	32.6	28.3	QP		10.2	1.2	0.0		37.9	-5.6	39.7	-3.8	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.3	27.5	QP	31.2	26.4	QP		11.2	1.3	0.0		40.0	-3.5	38.9	-4.6	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 13

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	10-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	13

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	35.6	32.4	QP	36.8	33.5	QP		7.7	1.1	0.0		41.2	-2.3	42.3	-1.2	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	32.1	27.5	QP	33.5	28.9	QP		10.2	1.2	0.0		38.9	-4.6	40.3	-3.2	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.4	27.8	QP	30.9	26.5	QP		11.2	1.3	0.0		40.3	-3.2	39.0	-4.5	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 14

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	10-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	14

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	35.7	32.0	QP	36.9	34.2	QP		7.7	1.1	0.0		40.8	-2.7	43.0	-0.5	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	35.3	30.0	QP	33.2	28.2	QP		10.2	1.2	0.0		41.4	-2.1	39.6	-3.9	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	32.3	29.3	QP	31.7	26.2	QP		11.2	1.3	0.0		41.8	-1.7	38.7	-4.8	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 15

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	10-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	15

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	34.0	30.6	QP	35.7	32.5	QP		7.7	1.1	0.0		39.4	-4.1	41.3	-2.2	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	33.4	27.2	QP	33.3	29.0	QP		10.2	1.2	0.0		38.6	-4.9	40.4	-3.1	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.2	26.3	QP	31.6	26.5	QP		11.2	1.3	0.0		38.8	-4.7	39.0	-4.5	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 16

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	10-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [310 Car #'s 119 (A) 120 (B)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 AND -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	16

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	32.8	27.7	QP	32.2	29.0	QP		7.7	1.1	0.0		36.5	-7.0	37.8	-5.7	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	32.2	27.7	QP	32.6	27.3	QP		10.2	1.2	0.0		39.1	-4.4	38.7	-4.8	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.0	26.7	QP	31.0	26.6	QP		11.2	1.3	0.0		39.2	-4.3	39.1	-4.4	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING



RADIATED EMISSIONS

COMPANY NAME: Applied Wireless DATE: 5-9-2005

EUT: ACU (Audio Control Unit) EUT S/N: 009

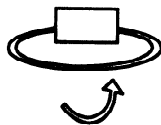
EUT MODEL: S80230 LOCATION: ☐ BREA ☐ SILVERADO ☐ AGOURA

SPECIFICATION: FCC PT 15.209 **CLASS:** **TEST DISTANCE:** 3 METERS **LAB:** OFFSITE

ANTENNA: ☒ LOOP ☐ BICONICAL ☐ LOG ☐ HORN **POLARIZATION:** ☐ VERT ☐ HORIZ

☒ QUALIFICATION ☐ ENGINEERING ☐ MFG. AUDIT ENGINEER: J. MouloungBAYAN

NOTES:



Pol. A



Pol. B

311 CAR # 284(A) AND 283(B)
B A

[illegible]

* DELTA = METER READING - CORRECTED LIMIT



RADIATED EMISSIONS

COMPANY NAME: Applied Wireless DATE: 5-9-2005

EUT: ACU (Audio Control Unit) EUT S/N: 009

EUT MODEL: 580230 LOCATION: ☐ BREA ☐ SILVERADO ☐ AGOURA

SPECIFICATION: FCC PT 15.209 **CLASS:** **TEST DISTANCE:** 3 meters **LAB:** OFFSITE

ANTENNA: ☐ LOOP ☒ BICONICAL ☒ LOG ☒ HORN POLARIZATION: ☐ VERT ☐ HORIZ

☒ QUALIFICATION ☐ ENGINEERING ☐ MFG. AUDIT **ENGINEER:** J. Madulo Bayan

NOTES:

311 CAR # 284^B(~~A~~) AND 283^A(~~B~~)

[illegible]

* DELTA = METER READING - CORRECTED LIMIT

DUAL LATERAL ANTENNA CONFIGURATION

The diagram shows a horizontal train composed of 15 cars. The first 12 cars are labeled "RAIL CAR 'B'" and the last 3 cars are labeled "RAIL CAR 'A'". Below the train, there are 15 numbered positions from 15 to 9, decreasing from left to right. Each position has a red oval above it, representing a car. The positions are numbered 15, 14, 13, 12, 11, 10, and 9 from left to right.

HARMONIC	POSITION #16		
	88.1	97.9	107.7
	Δ	Δ	Δ
1	-5.5	-4.1	-2.1
2			
3			
4			
5			
6			
7			
8			
9			
10			
HARMONIC	POSITION #15		
	88.1	97.9	107.7
	Δ	Δ	Δ
1	-3.6	-3.2	-2.0
2			
3			
4			
5			
6			
7			
8			
9			
10			
HARMONIC	POSITION #14		
	88.1	97.9	107.7
	Δ	Δ	Δ
1	-0.9	-1.7	-2.8
2			
3			
4			
5			
6			
7			
8			
9			
10			
HARMONIC	POSITION #13		
	88.1	97.9	107.7
	Δ	Δ	Δ
1	-0.3	-1.0	-1.7
2			
3			
4			
5			
6			
7			
8			
9			
10			
HARMONIC	POSITION #12		
	88.1	97.9	107.7
	Δ	Δ	Δ
1	-2.9	-3.6	-1.1
2			
3			
4			
5			
6			
7			
8			
9			
10			
HARMONIC	POSITION #11		
	88.1	97.9	107.7
	Δ	Δ	Δ
1	-1.2	-2.9	-3.4
2			
3			
4			
5			
6			
7			
8			
9			
10			
HARMONIC	POSITION #10		
	88.1	97.9	107.7
	Δ	Δ	Δ
1	-1.5	-4.8	-3.4
2			
3			
4			
5			
6			
7			
8			
9			
10			
HARMONIC	POSITION #9		
	88.1	97.9	107.7
	Δ	Δ	Δ
1	-3.8	-1.7	-3.0
2			
3			
4			
5			
6			
7			
8			
9			
10			
HARMONIC	POSITION #8		
	88.1	97.9	107.7
	Δ	Δ	Δ
1	-0.2	-4.2	-3.2
2			
3			
4			
5			
6			
7			
8			
9			
10			

DATA SHEET TITLE

FCC SECTION 15.209 - RADIATED EMISSIONS

CAR LENGTH =	75	feet
DISTANCE BETWEEN		
RAIL CARS =	0	feet
CAR WIDTH=	9	feet
POSITIONS PER SIDE	7	

TOTAL LENGTH =	150	feet
DIST. FROM POSITIONS	1,7,9&15	
TO END OF CAR	10.71	feet
SEPARATION DISTANCE BETWEEN		
ALL POSITIONS	21.43	feet

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	
EUT	ACU	
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	
S/N	009	
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	
DATE	9-May-2005	
TEST ENGINEER	JOEY MADLANGBAYAN	
TEST DISTANCE	3.0	
LOW CHANNEL	88.1	
MIDDLE CHANNEL	97.9	
HIGH CHANNEL	107.7	

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FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 1

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	9-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	TEST POSITION	1

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS
88.1000	35.9	32.5	QP	36.0	33.5	QP		7.7	1.1	0.0		41.3	-2.2	42.3	-1.2	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	32.3	27.5	QP	34.6	29.5	QP		10.2	1.2	0.0		38.9	-4.6	40.9	-2.6	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	32.0	27.7	QP	31.5	27.5	QP		11.2	1.3	0.0		40.2	-3.3	40.0	-3.5	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 2

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	9-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	TEST POSITION	2

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS
88.1000	36.1	31.7	QP	33.7	29.5	QP		7.7	1.1	0.0		40.5	-3.0	38.3	-5.2	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	35.0	31.1	QP	36.5	30.9	QP		10.2	1.2	0.0		42.5	-1.0	42.3	-1.2	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	35.8	30.5	QP	33.6	30.1	QP		11.2	1.3	0.0		43.0	-0.5	42.6	-0.9	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 3

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	9-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	TEST POSITION	3

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS
88.1000	35.4	32.7	QP	35.0	30.2	QP		7.7	1.1	0.0		41.5	-2.0	39.0	-4.5	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	35.7	29.7	QP	34.8	29.1	QP		10.2	1.2	0.0		41.1	-2.4	40.5	-3.0	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	32.8	30.3	QP	33.8	28.2	QP		11.2	1.3	0.0		42.8	-0.7	40.7	-2.8	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 4

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	9-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	TEST POSITION	4

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS
88.1000	35.6	31.6	QP	34.6	30.8	QP		7.7	1.1	0.0		40.4	-3.1	39.6	-3.9	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	32.6	27.0	QP	34.0	28.6	QP		10.2	1.2	0.0		38.4	-5.1	40.0	-3.5	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.6	27.0	QP	33.6	27.4	QP		11.2	1.3	0.0		39.5	-4.0	39.9	-3.6	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 5

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	9-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	TEST POSITION	5

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS
88.1000	36.9	33.8	QP	33.4	29.0	QP		7.7	1.1	0.0		42.6	-0.9	37.8	-5.7	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	34.4	29.4	QP	34.1	28.4	QP		10.2	1.2	0.0		40.8	-2.7	39.8	-3.7	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.8	28.5	QP	32.7	26.9	QP		11.2	1.3	0.0		41.0	-2.5	39.4	-4.1	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 6

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	9-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	TEST POSITION	6

	VERTICAL		HORIZONTAL								VERTICAL		HORIZONTAL				
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)	ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS		
88.1000	34.4	31.4	QP	33.4	29.6	QP		7.7	1.1	0.0		40.2	-3.3	38.4	-5.1	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	34.4	29.6	QP	32.4	27.4	QP		10.2	1.2	0.0		41.0	-2.5	38.8	-4.7	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.7	28.0	QP	32.6	27.4	QP		11.2	1.3	0.0		40.5	-3.0	39.9	-3.6	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 7

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	9-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	TEST POSITION	7

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS
88.1000	35.7	30.6	QP	35.0	30.6	QP		7.7	1.1	0.0		39.4	-4.1	39.4	-4.1	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	33.8	27.5	QP	34.6	30.2	QP		10.2	1.2	0.0		38.9	-4.6	41.6	-1.9	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	32.6	28.7	QP	32.0	27.2	QP		11.2	1.3	0.0		41.2	-2.3	39.7	-3.8	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 8

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	9-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	TEST POSITION	8

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS
88.1000	37.4	34.5	QP	35.0	30.1	QP		7.7	1.1	0.0		43.3	-0.2	38.9	-4.6	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	33.2	27.9	QP	33.0	27.1	QP		10.2	1.2	0.0		39.3	-4.2	38.5	-5.0	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.8	27.8	QP	31.2	26.6	QP		11.2	1.3	0.0		40.3	-3.2	39.1	-4.4	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 9

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	9-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	TEST POSITION	9

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	 (dB)	CORR'D RDG (dBuV/m)	 (dB)	SPEC LIMIT (dBuV/m)	COMMENTS
88.1000	32.9	28.7	QP	36.2	30.9	QP		7.7	1.1	0.0		37.5	-6.0	39.7	-3.8	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	34.7	29.7	QP	34.4	30.4	QP		10.2	1.2	0.0		41.1	-2.4	41.8	-1.7	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	30.9	28.0	QP	31.4	26.5	QP		11.2	1.3	0.0		40.5	-3.0	39.0	-4.5	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 10

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	9-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	TEST POSITION	10

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS
88.1000	37.9	33.2	QP	36.0	32.6	QP		7.7	1.1	0.0		42.0	-1.5	41.4	-2.1	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	32.2	27.2	QP	33.5	27.3	QP		10.2	1.2	0.0		38.6	-4.9	38.7	-4.8	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.5	27.6	QP	31.6	26.7	QP		11.2	1.3	0.0		40.1	-3.4	39.2	-4.3	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 11

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	9-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	TEST POSITION	11

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS
88.1000	36.0	33.5	QP	36.7	32.8	QP		7.7	1.1	0.0		42.3	-1.2	41.6	-1.9	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	33.9	29.2	QP	33.5	27.9	QP		10.2	1.2	0.0		40.6	-2.9	39.3	-4.2	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.6	27.2	QP	31.7	27.6	QP		11.2	1.3	0.0		39.7	-3.8	40.1	-3.4	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 12

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	9-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	TEST POSITION	12

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS
88.1000	32.5	27.2	QP	35.2	31.8	QP		7.7	1.1	0.0		36.0	-7.5	40.6	-2.9	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	32.5	27.5	QP	33.8	28.5	QP		10.2	1.2	0.0		38.9	-4.6	39.9	-3.6	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	32.5	29.9	QP	31.4	26.4	QP		11.2	1.3	0.0		42.4	-1.1	38.9	-4.6	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 13

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	9-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	TEST POSITION	13

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS
88.1000	34.2	29.5	QP	37.4	34.4	QP		7.7	1.1	0.0		38.3	-5.2	43.2	-0.3	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	35.5	31.1	QP	33.5	28.2	QP		10.2	1.2	0.0		42.5	-1.0	39.6	-3.9	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	32.7	29.3	QP	32.6	27.9	QP		11.2	1.3	0.0		41.8	-1.7	40.4	-3.1	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 14

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	9-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	TEST POSITION	14

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS
88.1000	38.9	33.8	QP	37.1	32.9	QP		7.7	1.1	0.0		42.6	-0.9	41.7	-1.8	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	34.9	30.4	QP	32.9	28.0	QP		10.2	1.2	0.0		41.8	-1.7	39.4	-4.1	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	32.3	28.2	QP	30.9	27.0	QP		11.2	1.3	0.0		40.7	-2.8	39.5	-4.0	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 15

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	9-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	TEST POSITION	15

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS
88.1000	33.9	29.3	QP	35.8	31.1	QP		7.7	1.1	0.0		38.1	-5.4	39.9	-3.6	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	34.0	28.9	QP	33.9	27.8	QP		10.2	1.2	0.0		40.3	-3.2	39.2	-4.3	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	32.3	29.0	QP	32.4	26.7	QP		11.2	1.3	0.0		41.5	-2.0	39.2	-4.3	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 16

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	9-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [311 Car #'s 284 (B) 283 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - Dual Lateral Antenna Configuration	TEST POSITION	16

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS
88.1000	32.3	28.9	QP	32.8	29.2	QP		7.7	1.1	0.0		37.7	-5.8	38.0	-5.5	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	33.9	28.0	QP	32.6	27.2	QP		10.2	1.2	0.0		39.4	-4.1	38.6	-4.9	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	33.7	28.9	QP	33.5	26.7	QP		11.2	1.3	0.0		41.4	-2.1	39.2	-4.3	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING



RADIATED EMISSIONS

COMPANY NAME: APPLIED WIRELESS DATE: 5-6-2005

EUT: ACU (AUDIO CONTROL UNIT) EUT S/N: 009

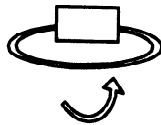
EUT MODEL: 580230 LOCATION: ☐ BREA ☐ SILVERADO ☐ AGOURA

SPECIFICATION: FCC PT 15.209 CLASS: TEST DISTANCE: 3 METERS LAB: OFFSITE

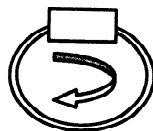
ANTENNA: ☒ LOOP ☐ BICONICAL ☐ LOG ☐ HORN POLARIZATION: ☐ VERT ☐ HORIZ

☒ QUALIFICATION ☐ ENGINEERING ☐ MFG. AUDIT ENGINEER: J. MADHUSAYAN

NOTES:



Pol. A



Pol. B

312 CAR # 671(A) AND 672(B)

Frequency (MHz)	Peak Reading (dBuV/m)	Quasi- Peak (dBuV/m)	Antenna Height (meters)	Azimuth (degrees)	Delta * (dB)	Corrected Limit (dBuV/m)	Comments
							SPURIOUS EMISSIONS
							9KHz TO 30MHz
							No EMISSIONS FOUND

* DELTA = METER READING - CORRECTED LIMIT

RADIATED EMISSIONSCOMPANY NAME: APPLIED WIRELESS DATE: 5-6-05EUT: ACU (AUDIO CONTROL UNIT) EUT S/N: 009EUT MODEL: S80230 LOCATION: ☐ BREA ☐ SILVERADO ☐ AGOURASPECIFICATION: FCC Pt 15, 209 CLASS: _____ TEST DISTANCE: 3 METERS LAB: OFFSITEANTENNA: ☐ LOOP ☒ BICONICAL ☒ LOG ☒ HORN POLARIZATION: ☐ VERT ☐ HORIZ☒ QUALIFICATION ☐ ENGINEERING ☐ MFG. AUDIT ENGINEER: J. MAHOUNGAYANNOTES: 312 CAR # 671(A) AND 672(B)

Frequency (MHz)	Peak Reading (dBuV/m)	Quasi- Peak (dBuV/m)	Antenna Height (meters)	Azimuth (degrees)	Delta * (dB)	Corrected Limit (dBuV/m)	Comments
	SPURIOUS EMISSIONS						
	9kHz to 30MHz						
	No Emissions Found						

* DELTA = METER READING - CORRECTED LIMIT

DUAL LATERAL ANTENNA CONFIGURATION

RAIL CAR "A" RAIL CAR "B"

15 14 13 12 11 10 9

[illegible]

DATA SHEET TITLE

FCC SECTION 15.209 - RADIATED EMISSIONS

CAR LENGTH =	75	feet
DISTANCE BETWEEN		
RAIL CARS =	0	feet
CAR WIDTH=	9	feet
POSITIONS PER SIDE	7	

TOTAL LENGTH =	150	feet
DIST. FROM POSITIONS	1,7,9&15	
TO END OF CAR	10.71	feet
SEPARATION DISTANCE BETWEEN		
ALL POSITIONS	21.43	feet

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	
EUT	ACU	
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	
S/N	009	
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	
DATE	6-May-2005	
TEST ENGINEER	JOEY MADLANGBAYAN	
TEST DISTANCE	3.0	
LOW CHANNEL	88.1	
MIDDLE CHANNEL	97.9	
HIGH CHANNEL	107.7	

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 1

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	6-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	1

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	35.2	31.5	QP	36.1	31.9	QP		7.7	1.1	0.0		40.3	-3.2	40.7	-2.8	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	32.6	28.0	QP	33.4	28.8	QP		10.2	1.2	0.0		39.4	-4.1	40.2	-3.3	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.5	28.5	QP	30.7	27.7	QP		11.2	1.3	0.0		41.0	-2.5	40.2	-3.3	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 2

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	6-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	2

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	36.3	32.2	QP	33.6	30.5	QP		7.7	1.1	0.0		41.0	-2.5	39.3	-4.2	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	34.1		QP	35.9		QP		10.2	1.2	0.0	9.5	36.0	-7.5	37.8	-5.7	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	32.2	30.6	QP	31.2	27.0	QP		11.2	1.3	0.0		43.1	-0.4	39.5	-4.0	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 3

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	6-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	3

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	35.9	32.2	QP	35.8	31.7	QP		7.7	1.1	0.0		41.0	-2.5	40.5	-3.0	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	33.6	28.7	QP	34.9	30.2	QP		10.2	1.2	0.0		40.1	-3.4	41.6	-1.9	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.9	27.4	QP	31.7	28.2	QP		11.2	1.3	0.0		39.9	-3.6	40.7	-2.8	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 4

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	6-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	4

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	35.2	31.8	QP	35.8	32.2	QP		7.7	1.1	0.0		40.6	-2.9	41.0	-2.5	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	32.9	27.2	QP	34.7	30.2	QP		10.2	1.2	0.0		38.6	-4.9	41.6	-1.9	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.2	28.5	QP	32.5	30.5	QP		11.2	1.3	0.0		41.0	-2.5	43.0	-0.5	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 5

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	6-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	5

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	35.5	31.3	QP	34.5	30.4	QP		7.7	1.1	0.0		40.1	-3.4	39.2	-4.3	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	33.4	28.1	QP	34.8	31.0	QP		10.2	1.2	0.0		39.5	-4.0	42.4	-1.1	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.0	27.1	QP	30.3	26.4	QP		11.2	1.3	0.0		39.6	-3.9	38.9	-4.6	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 6

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	6-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	6

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	36.6	32.6	QP	35.0	31.6	QP		7.7	1.1	0.0		41.4	-2.1	40.4	-3.1	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	33.8	29.1	QP	37.4	28.3	QP		10.2	1.2	0.0		40.5	-3.0	39.7	-3.8	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	35.0	29.9	QP	33.3	28.8	QP		11.2	1.3	0.0		42.4	-1.1	41.3	-2.2	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 7

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	6-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	7

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS
88.1000	34.2	25.9	QP	35.2	32.7	QP		7.7	1.1	0.0		34.7	-8.8	41.5	-2.0	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	30.2	26.9	QP	36.6	31.6	QP		10.2	1.2	0.0		38.3	-5.2	43.0	-0.5	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.2	26.1	QP	31.5	26.4	QP		11.2	1.3	0.0		38.6	-4.9	38.9	-4.6	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 8

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	6-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	8

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	34.2	30.6	QP	34.6	30.4	QP		7.7	1.1	0.0		39.4	-4.1	39.2	-4.3	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	31.4	26.5	QP	32.1	26.7	QP		10.2	1.2	0.0		37.9	-5.6	38.1	-5.4	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.3	28.1	QP	31.0	26.5	QP		11.2	1.3	0.0		40.6	-2.9	39.0	-4.5	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 9

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	6-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	9

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	33.5	28.7	QP	34.8	31.9	QP		7.7	1.1	0.0		37.5	-6.0	40.7	-2.8	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	32.4	28.0	QP	31.3	27.2	QP		10.2	1.2	0.0		39.4	-4.1	38.6	-4.9	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.5	28.6	QP	31.8	27.8	QP		11.2	1.3	0.0		41.1	-2.4	40.3	-3.2	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 10

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	6-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	10

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)	ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS		
88.1000	37.7		QP	36.1			7.7	1.1	0.0	9.5	37.0	-6.5	35.4	-8.1	43.5		
176.2000			QP				15.1	0.9	0.0						43.5	NO EMISSION FOUND	
264.3000			QP				17.6	1.1	0.0						46.0	NO EMISSION FOUND	
352.4000			QP				14.6	1.3	0.0						46.0	NO EMISSION FOUND	
440.5000			QP				16.0	1.4	0.0						46.0	NO EMISSION FOUND	
528.6000			QP				17.0	1.5	0.0						46.0	NO EMISSION FOUND	
616.7000			QP				18.0	1.7	0.0						46.0	NO EMISSION FOUND	
704.8000			QP				18.8	1.6	0.0						46.0	NO EMISSION FOUND	
792.9000			QP				19.9	1.4	0.0						46.0	NO EMISSION FOUND	
881.0000			QP				20.5	1.9	0.0						46.0	NO EMISSION FOUND	
97.9000	35.0	30.4	QP	35.1	30.5	QP		10.2	1.2	0.0	41.8	-1.7	41.9	-1.6	43.5		
195.8000			QP			QP		16.6	0.9	0.0					43.5	NO EMISSION FOUND	
293.7000			QP			QP		19.4	1.1	0.0					46.0	NO EMISSION FOUND	
391.6000			QP			QP		15.4	1.4	0.0					46.0	NO EMISSION FOUND	
489.5000			QP			QP		16.5	1.4	0.0					46.0	NO EMISSION FOUND	
587.4000			QP			QP		17.8	1.6	0.0					46.0	NO EMISSION FOUND	
685.3000			QP			QP		18.6	1.7	0.0					46.0	NO EMISSION FOUND	
783.2000			QP			QP		19.8	1.5	0.0					46.0	NO EMISSION FOUND	
881.1000			QP			QP		20.5	1.9	0.0					46.0	NO EMISSION FOUND	
979.0000			A			A		23.3	2.2	0.0					54.0	NO EMISSION FOUND	
107.7000	31.2	27.1	QP	31.6	26.7	QP		11.2	1.3	0.0	39.6	-3.9	39.2	-4.3	43.5		
215.4000			QP			QP		16.6	1.0	0.0					43.5	NO EMISSION FOUND	
323.1000			QP			QP		14.0	1.2	0.0					46.0	NO EMISSION FOUND	
430.8000			QP			QP		15.9	1.4	0.0					46.0	NO EMISSION FOUND	
538.5000			QP			QP		17.1	1.6	0.0					46.0	NO EMISSION FOUND	
646.2000			QP			QP		18.3	1.8	0.0					46.0	NO EMISSION FOUND	
753.9000			QP			QP		19.4	1.8	0.0					46.0	NO EMISSION FOUND	
861.6000			QP			QP		20.4	1.9	0.0					46.0	NO EMISSION FOUND	
969.3000			QP			QP		22.9	2.1	0.0					46.0	NO EMISSION FOUND	
1077.0000			A			A		24.8	2.3	0.0					54.0	NO EMISSION FOUND	

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 11

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	6-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	11

FREQUENCY MHz	VERTICAL		HORIZONTAL		ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)						CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	38.8	QP	35.1	QP		7.7	1.1	0.0	9.5	38.1	-5.4	34.4	-9.1	43.5	
176.2000		QP		QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000		QP		QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000		QP		QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000		QP		QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000		QP		QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000		QP		QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000		QP		QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000		QP		QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000		QP		QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	35.4	31.3	QP	31.7	27.4	QP	10.2	1.2	0.0	42.7	-0.8	38.8	-4.7	43.5	
195.8000		QP		QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000		QP		QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000		QP		QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000		QP		QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000		QP		QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000		QP		QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000		QP		QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000		QP		QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000		A		A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.4	27.2	QP	30.8	26.5	QP	11.2	1.3	0.0	39.7	-3.8	39.0	-4.5	43.5	
215.4000		QP		QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000		QP		QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000		QP		QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000		QP		QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000		QP		QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000		QP		QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000		QP		QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000		QP		QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000		A		A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 12

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	6-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	12

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	36.7	32.7	QP	38.0	32.7	QP		7.7	1.1	0.0		41.5	-2.0	41.5	-2.0	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	27.5		QP	34.7	30.2	QP		10.2	1.2	0.0		38.9	-4.6	41.6	-1.9	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	30.8		QP	31.0	26.9	QP		11.2	1.3	0.0		43.3	-0.2	39.4	-4.1	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 13

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	6-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	13

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)	ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS		
88.1000	35.9		QP	36.6		QP		7.7	1.1	0.0	9.5	35.2	-8.3	35.9	-7.6	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	34.3	30.9	QP	31.9	26.7	QP		10.2	1.2	0.0		42.3	-1.2	38.1	-5.4	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.0	27.4	QP	30.5	26.7	QP		11.2	1.3	0.0		39.9	-3.6	39.2	-4.3	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 14

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	6-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	14

	VERTICAL			HORIZONTAL								VERTICAL		HORIZONTAL			
FREQUENCY MHz	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)	ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)	SPEC LIMIT (dBuV/m)	COMMENTS		
88.1000	35.9		QP	36.3			7.7	1.1	0.0	9.5	35.2	-8.3	35.6	-7.9	43.5		
176.2000			QP				15.1	0.9	0.0						43.5	NO EMISSION FOUND	
264.3000			QP				17.6	1.1	0.0						46.0	NO EMISSION FOUND	
352.4000			QP				14.6	1.3	0.0						46.0	NO EMISSION FOUND	
440.5000			QP				16.0	1.4	0.0						46.0	NO EMISSION FOUND	
528.6000			QP				17.0	1.5	0.0						46.0	NO EMISSION FOUND	
616.7000			QP				18.0	1.7	0.0						46.0	NO EMISSION FOUND	
704.8000			QP				18.8	1.6	0.0						46.0	NO EMISSION FOUND	
792.9000			QP				19.9	1.4	0.0						46.0	NO EMISSION FOUND	
881.0000			QP				20.5	1.9	0.0						46.0	NO EMISSION FOUND	
97.9000	33.2	29.4	QP	35.1	27.9	QP		10.2	1.2	0.0		40.8	-2.7	39.3	-4.2	43.5	
195.8000			QP			QP		16.6	0.9	0.0					43.5	NO EMISSION FOUND	
293.7000			QP			QP		19.4	1.1	0.0					46.0	NO EMISSION FOUND	
391.6000			QP			QP		15.4	1.4	0.0					46.0	NO EMISSION FOUND	
489.5000			QP			QP		16.5	1.4	0.0					46.0	NO EMISSION FOUND	
587.4000			QP			QP		17.8	1.6	0.0					46.0	NO EMISSION FOUND	
685.3000			QP			QP		18.6	1.7	0.0					46.0	NO EMISSION FOUND	
783.2000			QP			QP		19.8	1.5	0.0					46.0	NO EMISSION FOUND	
881.1000			QP			QP		20.5	1.9	0.0					46.0	NO EMISSION FOUND	
979.0000			A			A		23.3	2.2	0.0					54.0	NO EMISSION FOUND	
107.7000	31.2	27.7	QP	31.2	26.5	QP		11.2	1.3	0.0		40.2	-3.3	39.0	-4.5	43.5	
215.4000			QP			QP		16.6	1.0	0.0					43.5	NO EMISSION FOUND	
323.1000			QP			QP		14.0	1.2	0.0					46.0	NO EMISSION FOUND	
430.8000			QP			QP		15.9	1.4	0.0					46.0	NO EMISSION FOUND	
538.5000			QP			QP		17.1	1.6	0.0					46.0	NO EMISSION FOUND	
646.2000			QP			QP		18.3	1.8	0.0					46.0	NO EMISSION FOUND	
753.9000			QP			QP		19.4	1.8	0.0					46.0	NO EMISSION FOUND	
861.6000			QP			QP		20.4	1.9	0.0					46.0	NO EMISSION FOUND	
969.3000			QP			QP		22.9	2.1	0.0					46.0	NO EMISSION FOUND	
1077.0000			A			A		24.8	2.3	0.0					54.0	NO EMISSION FOUND	

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 15

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	6-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	15

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	34.1	31.3	QP	34.7	30.8	QP		7.7	1.1	0.0		40.1	-3.4	39.6	-3.9	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	32.3	27.2	QP	31.7	27.2	QP		10.2	1.2	0.0		38.6	-4.9	38.6	-4.9	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	30.6	26.1	QP	30.8	26.1	QP		11.2	1.3	0.0		38.6	-4.9	38.6	-4.9	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

** DELTA = SPEC LIMIT - CORRECTED DELTA = SPEC LIMIT - CORRECTED READING

FCC SECTION 15.209 - RADIATED EMISSIONS

TEST POSITION # 16

COMPANY	Applied Wireless (for TRN Atlanta, LLC)	DATE	6-May-2005
EUT	ACU	ANT POLARIZATION	VERTICAL & HORIZONTAL
MODEL	580230 [312 Car #'s 672 (B) 671 (A)]	TEST ENGINEER	JOEY MADLANGBAYAN
S/N	009	TEST DISTANCE	3.0 meters
EUT CONFIGURATION	-12 and -8 dBm - DUAL LATERAL ANTENNA CONFIGURATION	TEST POSITION	16

FREQUENCY MHz	VERTICAL			HORIZONTAL			ANT HGHT (m)	ANT FCTR (dB)	CABLE LOSS (dB)	AMP GAIN (dB)	DIST FCTR (dB)	VERTICAL		HORIZONTAL		SPEC LIMIT (dBuV/m)	COMMENTS
	PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)		PEAK RDG (dBuV)	AVERAGE (A) - or - QUASI-PK (QP)							CORR'D RDG (dBuV/m)	Δ (dB)	CORR'D RDG (dBuV/m)	Δ (dB)		
88.1000	32.0	28.8	QP	32.0	28.4	QP		7.7	1.1	0.0		37.6	-5.9	37.2	-6.3	43.5	
176.2000			QP			QP		15.1	0.9	0.0						43.5	NO EMISSION FOUND
264.3000			QP			QP		17.6	1.1	0.0						46.0	NO EMISSION FOUND
352.4000			QP			QP		14.6	1.3	0.0						46.0	NO EMISSION FOUND
440.5000			QP			QP		16.0	1.4	0.0						46.0	NO EMISSION FOUND
528.6000			QP			QP		17.0	1.5	0.0						46.0	NO EMISSION FOUND
616.7000			QP			QP		18.0	1.7	0.0						46.0	NO EMISSION FOUND
704.8000			QP			QP		18.8	1.6	0.0						46.0	NO EMISSION FOUND
792.9000			QP			QP		19.9	1.4	0.0						46.0	NO EMISSION FOUND
881.0000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
97.9000	31.3	26.6	QP	31.1	26.6	QP		10.2	1.2	0.0		38.0	-5.5	38.0	-5.5	43.5	
195.8000			QP			QP		16.6	0.9	0.0						43.5	NO EMISSION FOUND
293.7000			QP			QP		19.4	1.1	0.0						46.0	NO EMISSION FOUND
391.6000			QP			QP		15.4	1.4	0.0						46.0	NO EMISSION FOUND
489.5000			QP			QP		16.5	1.4	0.0						46.0	NO EMISSION FOUND
587.4000			QP			QP		17.8	1.6	0.0						46.0	NO EMISSION FOUND
685.3000			QP			QP		18.6	1.7	0.0						46.0	NO EMISSION FOUND
783.2000			QP			QP		19.8	1.5	0.0						46.0	NO EMISSION FOUND
881.1000			QP			QP		20.5	1.9	0.0						46.0	NO EMISSION FOUND
979.0000			A			A		23.3	2.2	0.0						54.0	NO EMISSION FOUND
107.7000	31.7	26.7	QP	31.0	26.4	QP		11.2	1.3	0.0		39.2	-4.3	38.9	-4.6	43.5	
215.4000			QP			QP		16.6	1.0	0.0						43.5	NO EMISSION FOUND
323.1000			QP			QP		14.0	1.2	0.0						46.0	NO EMISSION FOUND
430.8000			QP			QP		15.9	1.4	0.0						46.0	NO EMISSION FOUND
538.5000			QP			QP		17.1	1.6	0.0						46.0	NO EMISSION FOUND
646.2000			QP			QP		18.3	1.8	0.0						46.0	NO EMISSION FOUND
753.9000			QP			QP		19.4	1.8	0.0						46.0	NO EMISSION FOUND
861.6000			QP			QP		20.4	1.9	0.0						46.0	NO EMISSION FOUND
969.3000			QP			QP		22.9	2.1	0.0						46.0	NO EMISSION FOUND
1077.0000			A			A		24.8	2.3	0.0						54.0	NO EMISSION FOUND

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