

Measurement Point 2A

Operating Mode	Measured Data				Calculated Data				
	FCC MPE for GP/UC Exposure (mW/cm ²)	Measured Electric Field Strength (V/m)	Equivalent Plane		Slant Distance to Target (feet)	Depression Angle to Target (deg.)	Horizontal Plane Relative Field Factor	Vertical Plane Relative Field Factor	Total ERP Toward Target (kW)
			Wave Power Density (mW/cm ²)	FCC MPE for GP/UC Exposure					
All Stations Off-the-Air	0.20	228.5	0.0606	30.30	--	--	--	--	--
WCBS-TV on Main Ant.	0.20	169.6	0.0450	22.50	406.6	28.0	0.920	0.160	0.408
WNBC on Main Ant.	0.20	188.5	0.0500	25.00	487.4	42.4	0.880	0.350	1.651
WNBC on Aux. Ant.	0.20	179	0.0475	23.75	365.7	12.7	0.960	0.800	10.263
WNYW on Main Ant.	0.20	174.3	0.0462	23.10	487.4	42.4	0.840	0.450	2.486
WNYW on Aux. Ant.	0.20	214.4	0.0569	28.45	364.3	11.8	0.950	0.780	9.554
WABC-TV on Main Ant.	0.20	186.1	0.0494	24.70	436.8	34.6	1.000*	0.500*	16.160
WABC-TV on Aux. Ant.	0.20	306.3	0.0812	40.60	357.3	6.0	1.000	0.990	63.314
WVOR-TV on Main Ant.	0.20	179	0.0475	23.75	452.6	37.3	1.000*	0.500*	15.425
WVOR-TV on Aux. Ant.	0.20	381.7	0.1012	50.60	354.4	1.0	1.000	1.000	47.900
WPIX on Main Ant.	0.20	113.1	0.0300	15.00	469.9	40.0	0.780	0.200*	1.602
WPIX on Aux. Ant.	0.20	263.9	0.0700	35.00	356.0	4.2	1.000	1.000	58.900
WNET on Main Ant.	0.20	155.5	0.0412	20.60	452.6	37.3	1.000*	0.600*	16.076
WNET on Aux. Ant.	0.20	245	0.0650	32.50	355.4	3.2	1.000	1.000	47.900
WPXN-TV on Main Ant.	0.38	214.4	0.0569	14.97	409.5	28.7	0.800	0.150	40.608
WNJU on Main Ant.	0.45	226.2	0.0600	13.33	385.6	21.7	1.000*	0.160*	102.826
WGOA on Main Ant.	0.50	167.2	0.0444	8.88	--	--	--	--	--
WTC FM's on Master Ant.	0.20	339.3	0.0900	46.00	356.6	4.8	0.830	1.000*	27.735
									39.26

* Calculation of ERP based on manufacturer's horizontal and vertical plane pattern data unless otherwise noted.
* Assumed value.

Measurement Point 2B

Operating Mode	Measured Data				Calculated Data					
	FCC MPE for GP/UC Exposure (mW/cm ²)	Measured Electric Field Strength (V/m ²)	Equivalent Plane		Percent FCC MPE for GP/UC Exposure	Slant Distance to Target (feet)	Depression Angle to Target (deg.)	Horizontal Plane Relative Field Factor	Vertical Plane Relative Field Factor	Total ERP Toward Target ¹ (kW)
			Wave	Power Density (mW/cm ²)						
All Stations Off-the-Air	0.20	197.9	0.0525	0.0525	26.25	..	..	..	..	..
WCBS-TV on Main Ant.	0.20	155.5	0.0412	0.0412	20.60	423.0	26.8	0.920	0.170	0.523
WNBC on Main Ant.	0.20	186.1	0.0494	0.0494	24.70	501.2	40.9	0.880	0.350	1.651
WNBC on Aux. Ant.	0.20	160.2	0.0425	0.0425	21.25	384.0	12.1	0.920	0.820	9.903
WNYW on Main Ant.	0.20	160.2	0.0425	0.0425	21.25	501.2	40.9	0.840	0.450	2.486
WNYW on Aux. Ant.	0.20	197.9	0.0525	0.0525	26.25	382.6	11.2	0.980	0.800	10.695
WABC-TV on Main Ant.	0.20	188.5	0.0500	0.0500	25.00	452.2	33.2	1.000*	0.500*	16.160
WABC-TV on Aux. Ant.	0.20	388.7	0.1031	0.1031	51.55	376.0	6.7	1.000	1.000	64.600
WWOR-TV on Main Ant.	0.20	174.3	0.0462	0.0462	23.10	467.4	35.9	1.000*	0.500*	16.425
WWOR-TV on Aux. Ant.	0.20	393.4	0.1044	0.1044	52.20	373.2	0.9	1.000	1.000	47.900
WPIX on Main Ant.	0.20	131.9	0.0350	0.0350	17.50	484.2	38.6	0.780	0.200*	1.502
WPIX on Aux. Ant.	0.20	280.3	0.0744	0.0744	37.20	374.7	4.0	1.000	1.000	58.900
WNET on Main Ant.	0.20	195.5	0.0519	0.0519	25.96	467.4	35.9	1.000*	0.500*	16.076
WNET on Aux. Ant.	0.20	278	0.0737	0.0737	36.85	374.2	3.1	1.000	1.000	47.900
WPIX-TV on Main Ant.	0.38	193.2	0.0512	0.0512	13.47	425.9	27.5	0.900	0.150*	61.395
WNYU on Main Ant.	0.45	216.7	0.0575	0.0575	12.78	403.0	20.7	1.000*	0.150*	102.825
WGOAJ on Main Ant.	0.50	303.9	0.0806	0.0806	16.12	..	..	..	..	..
WTC FM's on Master Ant.	0.20	353.4	0.0937	0.0937	46.85	376.1	4.6	0.830	1.000*	27.735
										0.0709
										35.45

¹ Calculation of ERP based on manufacturer's horizontal and vertical plane pattern data unless otherwise noted.

* Assumed value.

Measurement Point 3

Operating Mode	Measured Data				Calculated Data							
	FCC MPE for GP/UC Exposure (mW/cm ²)	Measured Electric Field Strength (V/m ²)	Equivalent Plane		Slant Distance to Target (feet)	Depression Angle to Target (deg.)	Horizontal Plane		Vertical Plane Relative Field Factor	Total ERP Toward Target ¹ (kW)	Equivalent Plane Wave Power Density (mW/cm ²)	Percent FCC MPE for GP/UC Exposure
			Wave	Power Density (mW/cm ²)			Relative Field Factor	Relative Field Factor				
All Stations Off-the-Air	0.20	214.40	0.0569	28.45	--	--	--	--	--	--	--	--
WCBS-TV on Main Ant.	0.20	164.90	0.0437	21.85	440.6	25.6	0.910	0.200	0.709	0.0007	0.0007	0.35
WNBC on Main Ant.	0.20	183.70	0.0487	24.35	516.1	39.4	0.880	0.360	1.651	0.0011	0.0011	0.55
WNBC on Aux. Ant.	0.20	181.40	0.0481	24.05	403.2	11.5	0.880	0.840	9.508	0.0105	0.0105	5.25
WNYW on Main Ant.	0.20	174.30	0.0462	23.10	516.1	39.4	0.840	0.450	2.486	0.0017	0.0017	0.85
WNYW on Aux. Ant.	0.20	202.60	0.0537	26.85	401.9	10.7	1.000	0.820	11.700	0.0130	0.0130	6.60
WABC-TV on Main Ant.	0.20	197.90	0.0525	26.25	468.7	31.9	1.000*	0.500*	16.160	0.0132	0.0132	6.60
WABC-TV on Aux. Ant.	0.20	360.50	0.0956	47.80	395.6	5.4	0.980	1.000	62.042	0.0713	0.0713	35.65
WVOR-TV on Main Ant.	0.20	202.60	0.0537	26.85	483.4	34.5	1.000*	0.500*	15.425	0.0119	0.0119	5.95
WVOR-TV on Aux. Ant.	0.20	419.40	0.1112	55.60	393.0	0.9	0.960	1.000	44.146	0.0514	0.0514	25.70
WPIX on Main Ant.	0.20	141.30	0.0375	18.75	499.6	37.1	0.800	0.200*	1.580	0.0011	0.0011	0.55
WPIX on Aux. Ant.	0.20	393.40	0.1044	52.20	394.4	3.8	0.980	1.000	66.568	0.0654	0.0654	32.70
WNET on Main Ant.	0.20	183.70	0.0487	24.35	483.4	34.5	1.000*	0.500*	15.076	0.0116	0.0116	5.80
WNET on Aux. Ant.	0.20	252.10	0.0669	33.45	393.9	2.9	0.950	1.000	43.230	0.0501	0.0501	25.05
WPIX-TV on Main Ant.	0.38	221.40	0.0587	15.45	443.3	26.3	0.800	0.150*	40.608	0.0371	0.0371	9.76
WNJU on Main Ant.	0.45	230.90	0.0612	13.60	421.3	19.7	1.000*	0.150*	102.825	0.1041	0.1041	23.13
WGOAI on Main Ant.	0.50	190.80	0.0506	10.12	--	--	--	--	--	--	--	--
WTC FM's on Master Ant.	0.20	270.90	0.0719	35.95	394.8	4.4	0.820	1.000*	27.071	0.0625	0.0625	31.25

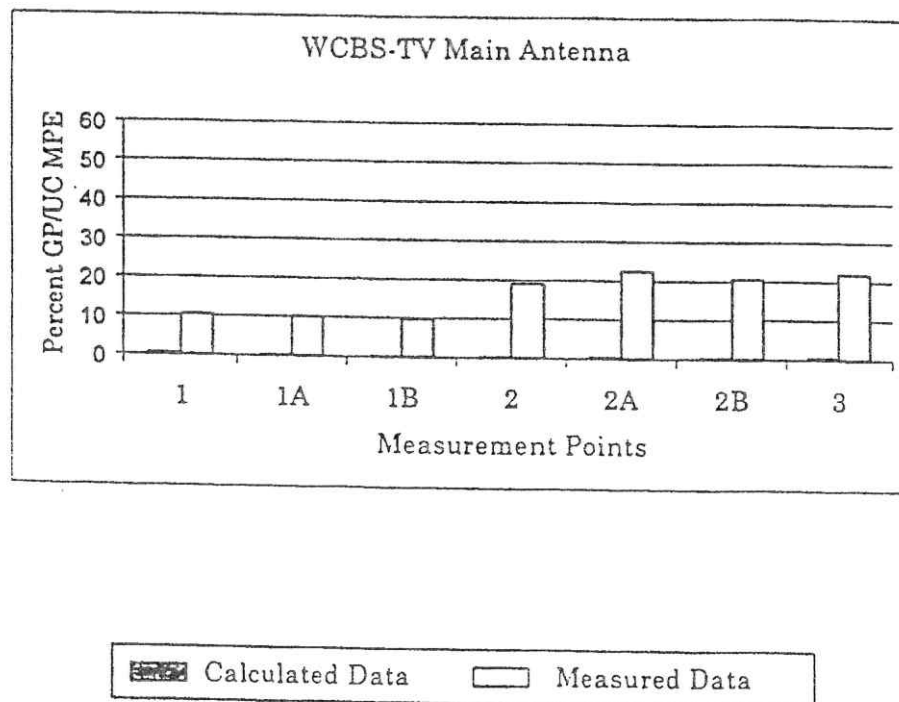
¹ Calculation of ERP based on manufacturer's horizontal and vertical plane pattern data unless otherwise noted.

* Assumed value.

Figure 4
Sheet 1 of 9

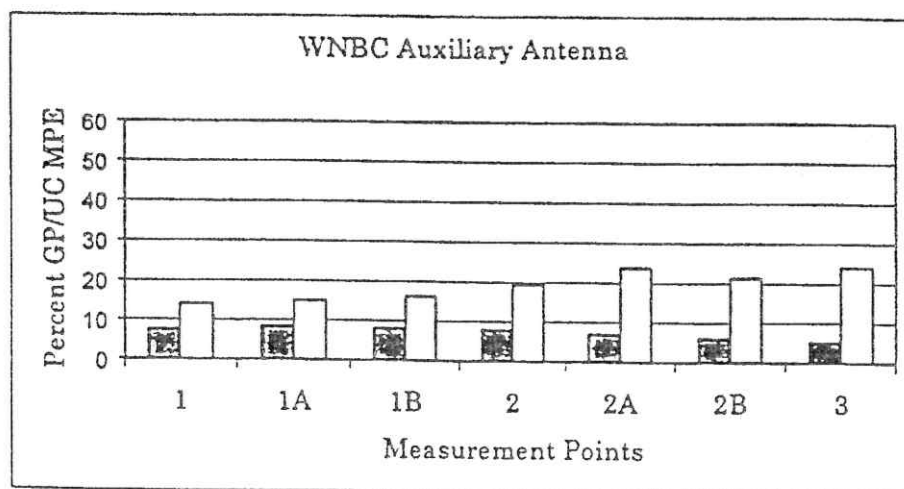
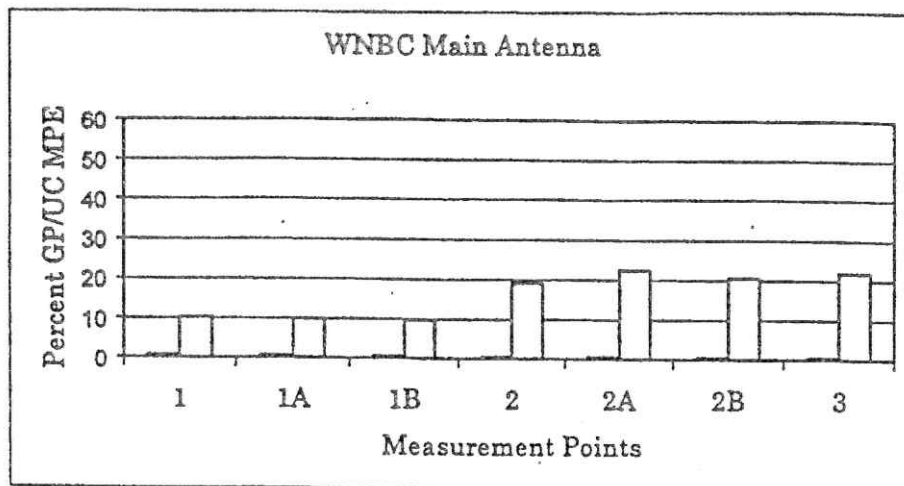
ENGINEERING REPORT
ELECTROMAGNETIC FIELD STRENGTH SURVEY
AT THE SOUTH TOWER OF THE
WORLD TRADE CENTER

GRAPHICAL COMPARISON OF MEASURED AND
CALCULATED EXPOSURE LEVELS



Graphical Comparison Of Measured And
Calculated Exposure Levels

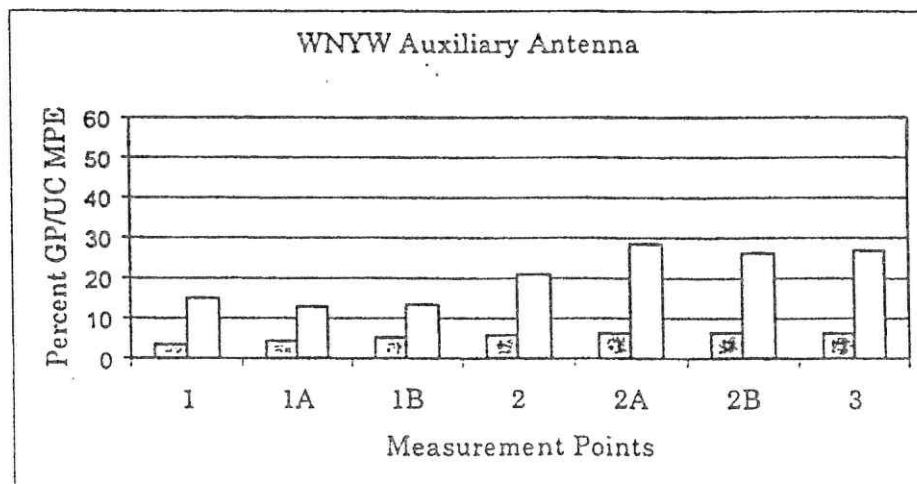
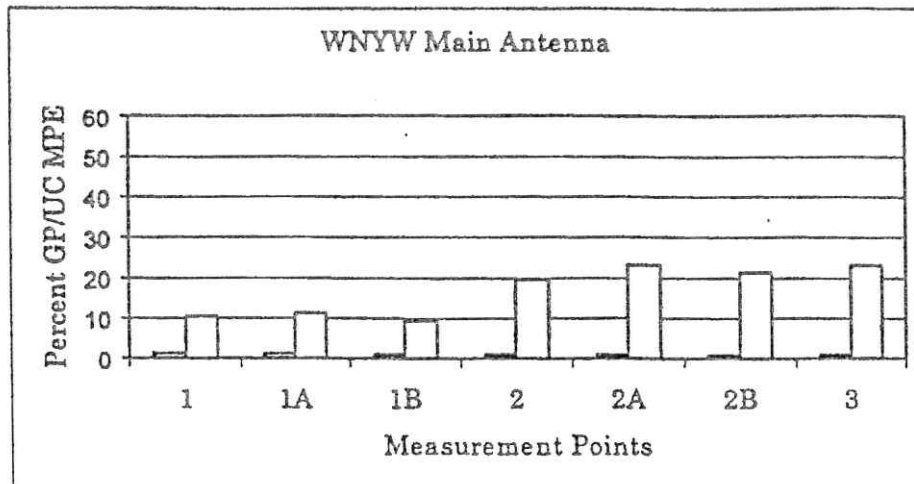
Figure 4
Sheet 2 of 9



Calculated Data
 Measured Data

Graphical Comparison Of Measured And Calculated Exposure Levels

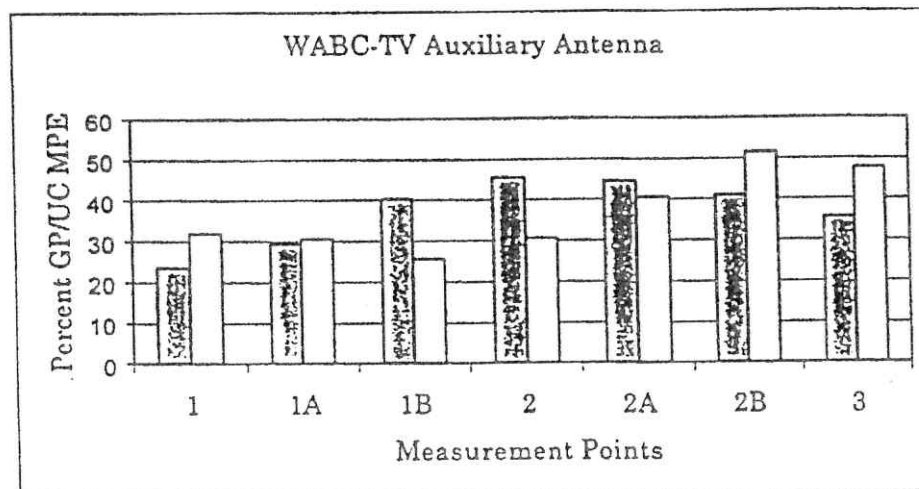
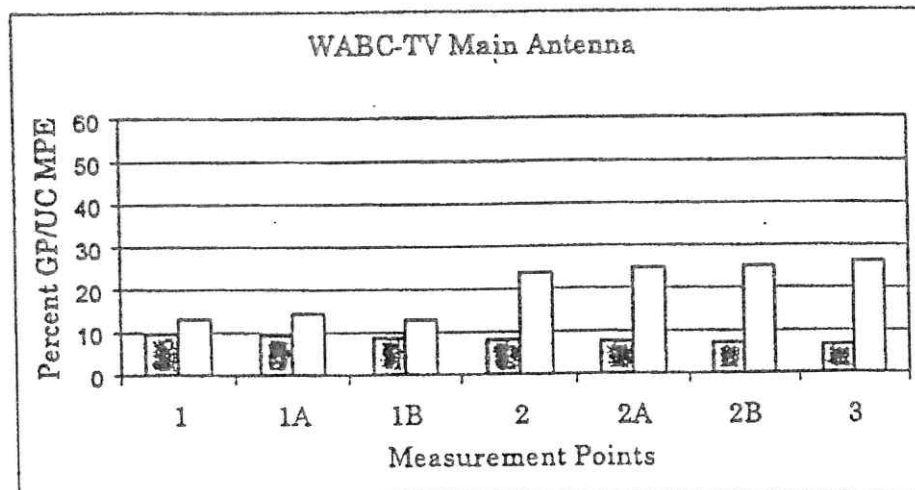
Figure 4
Sheet 3 of 9



 Calculated Data
  Measured Data

Graphical Comparison Of Measured And
Calculated Exposure Levels

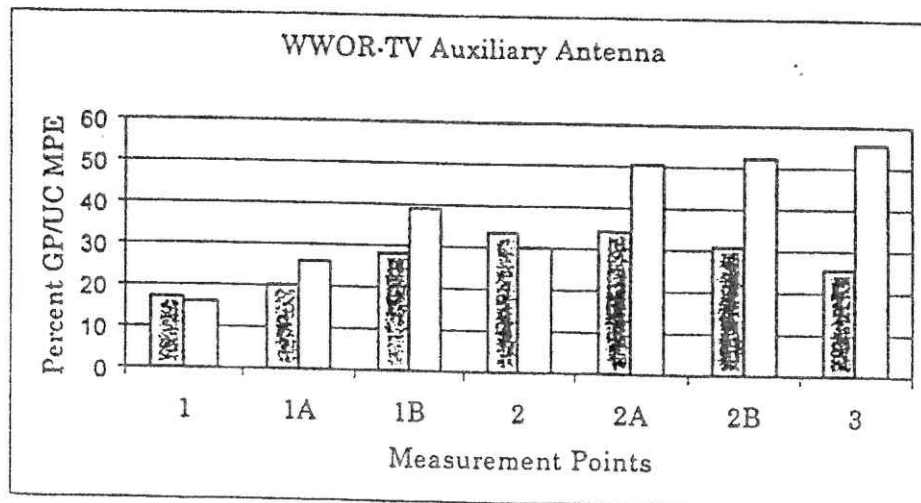
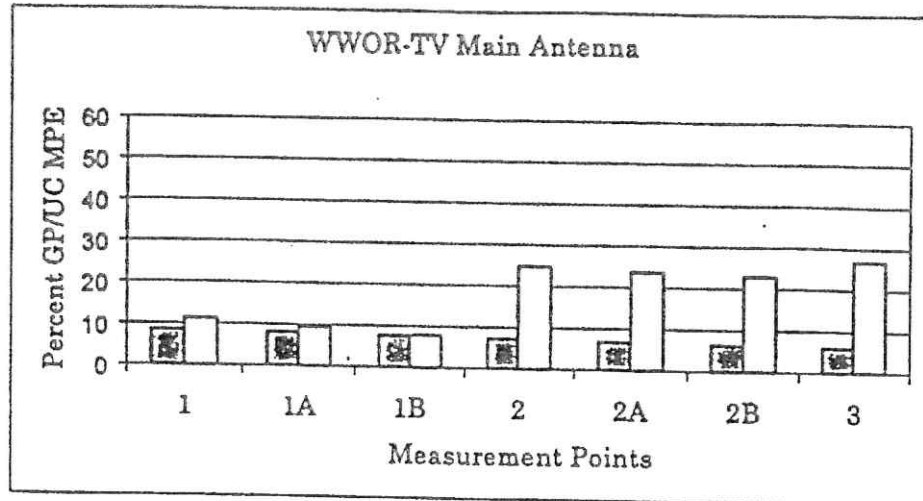
Figure 4
Sheet 4 of 9



 Calculated Data
  Measured Data

Graphical Comparison Of Measured And
Calculated Exposure Levels

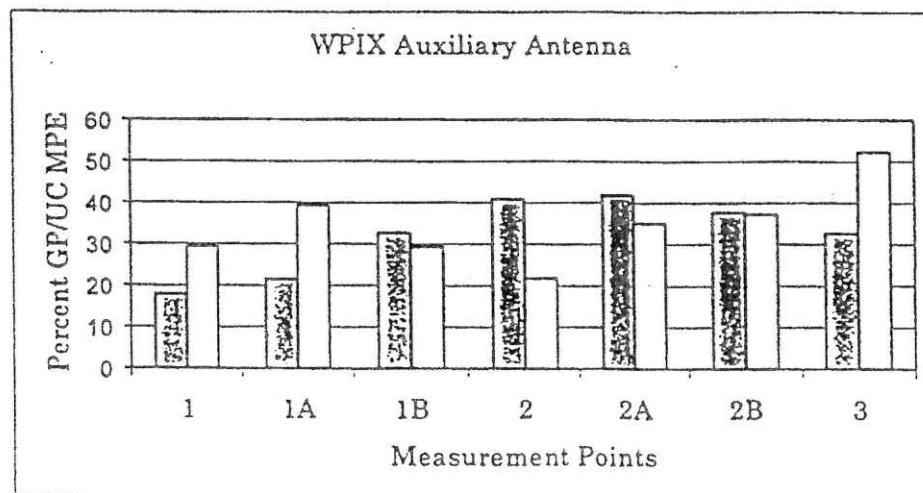
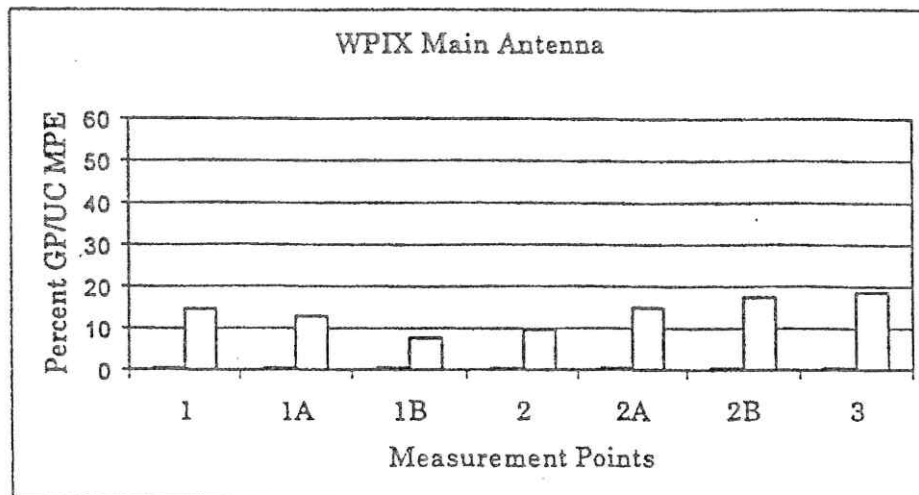
Figure 4
Sheet 5 of 9



Calculated Data Measured Data

Graphical Comparison Of Measured And
Calculated Exposure Levels

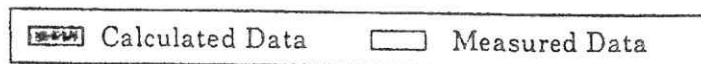
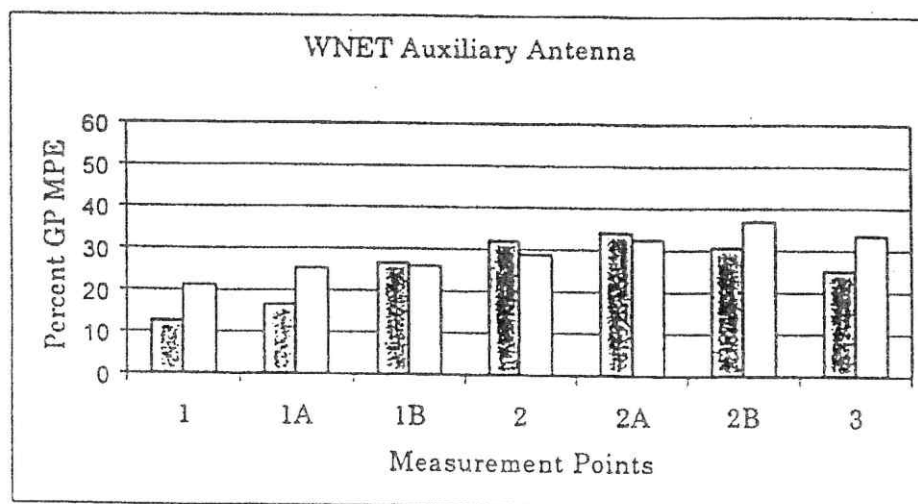
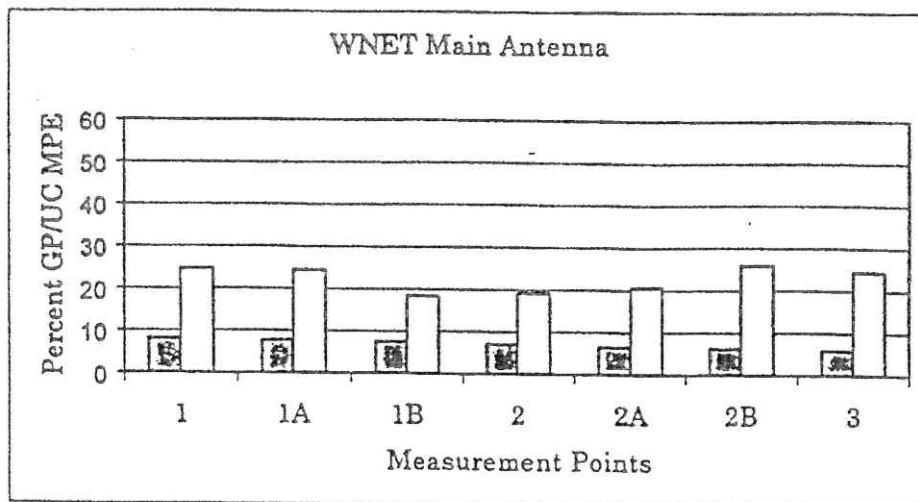
Figure 4
Sheet 6 of 9



 Calculated Data
  Measured Data

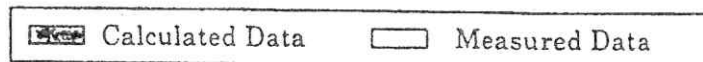
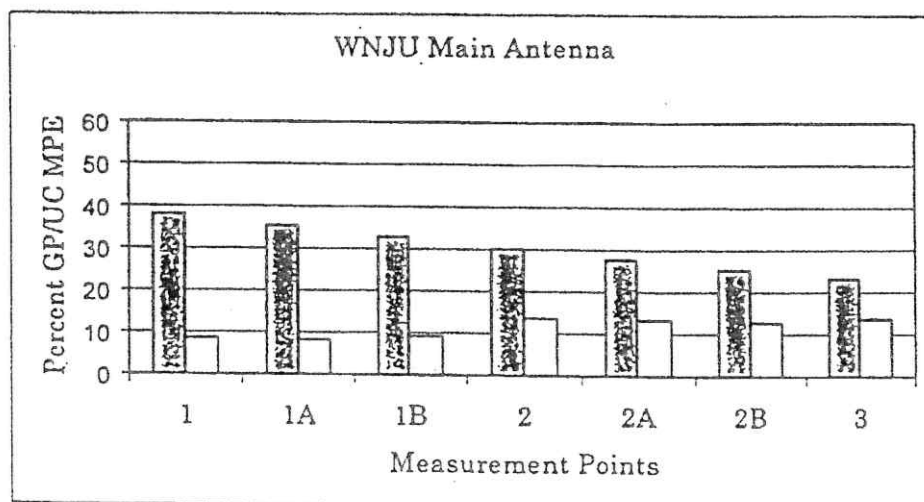
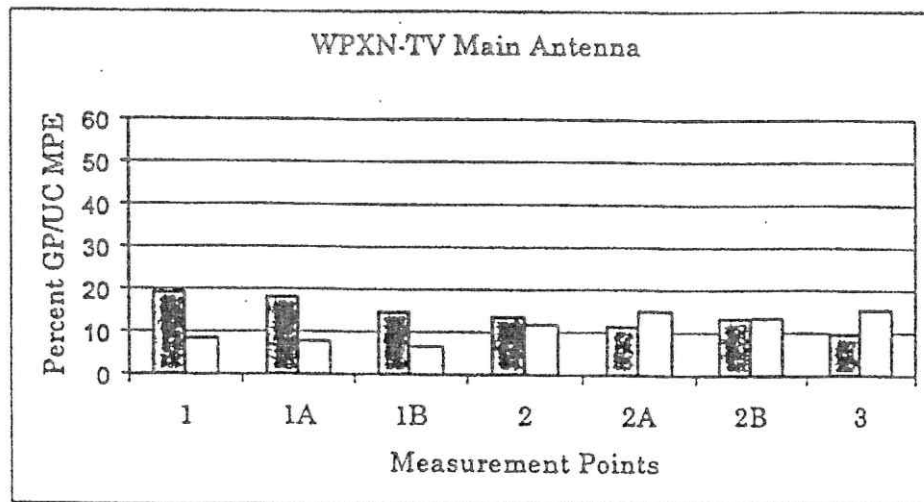
Graphical Comparison Of Measured And Calculated Exposure Levels

Figure 4
Sheet 7 of 9



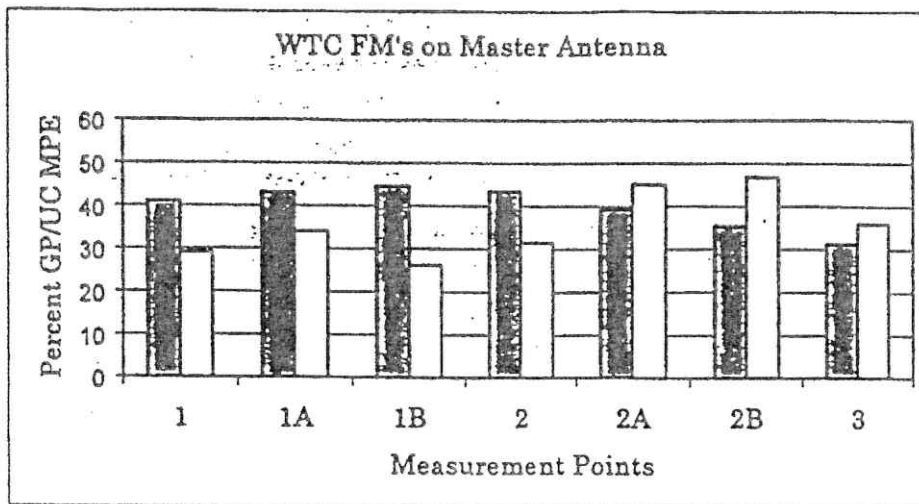
Graphical Comparison Of Measured And
Calculated Exposure Levels

Figure 4
Sheet 8 of 9



Graphical Comparison Of Measured And
Calculated Exposure Levels

Figure 4
Sheet 9 of 9



Calculated Data Measured Data