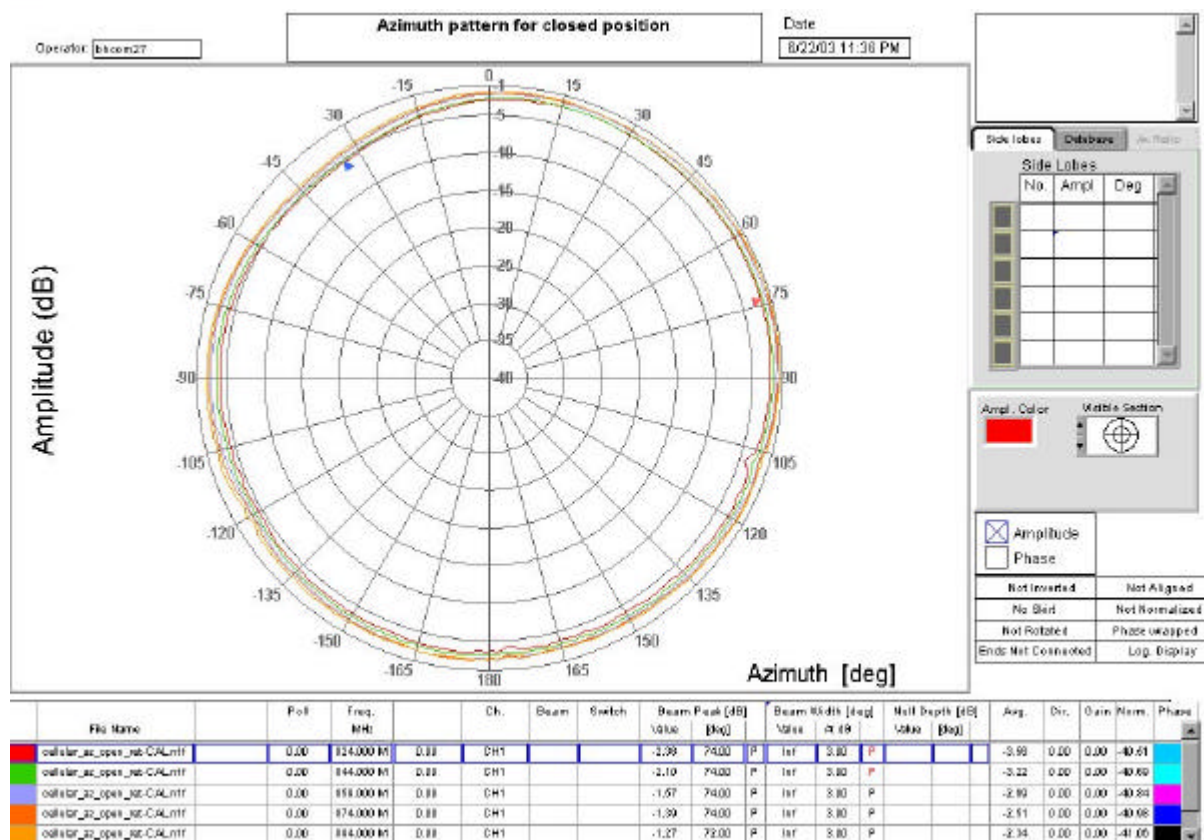
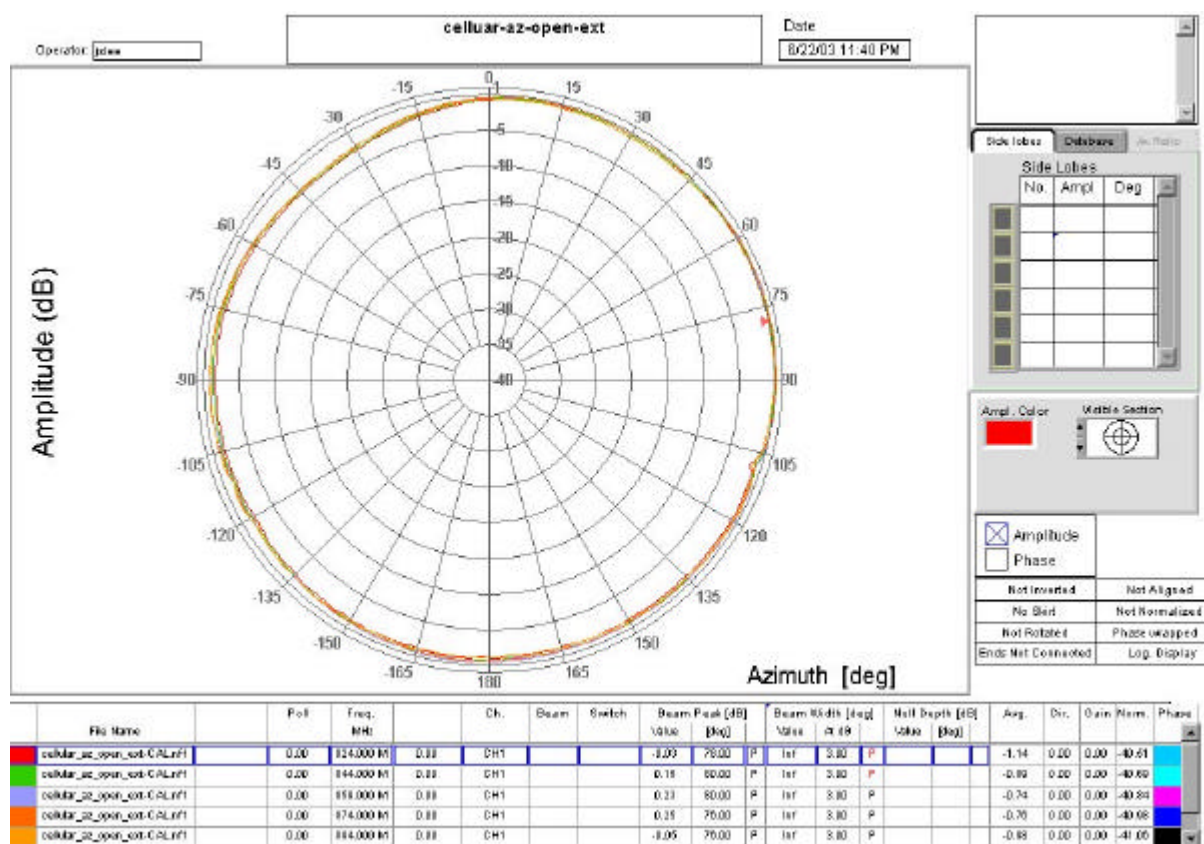
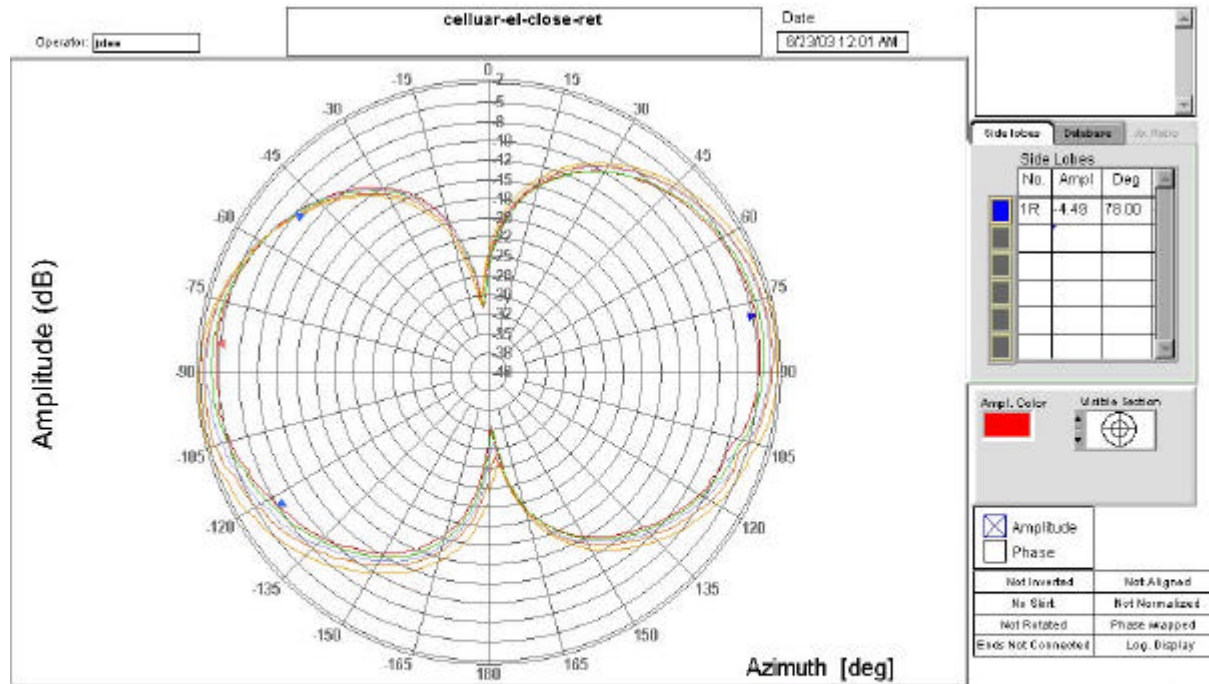


MRW ANTENNA SPECIFICATION	Doc.No MRWPQR10420	Rev. No. 0
RETRACTABLE ANTENNA	Date 2003. 6.27	Page

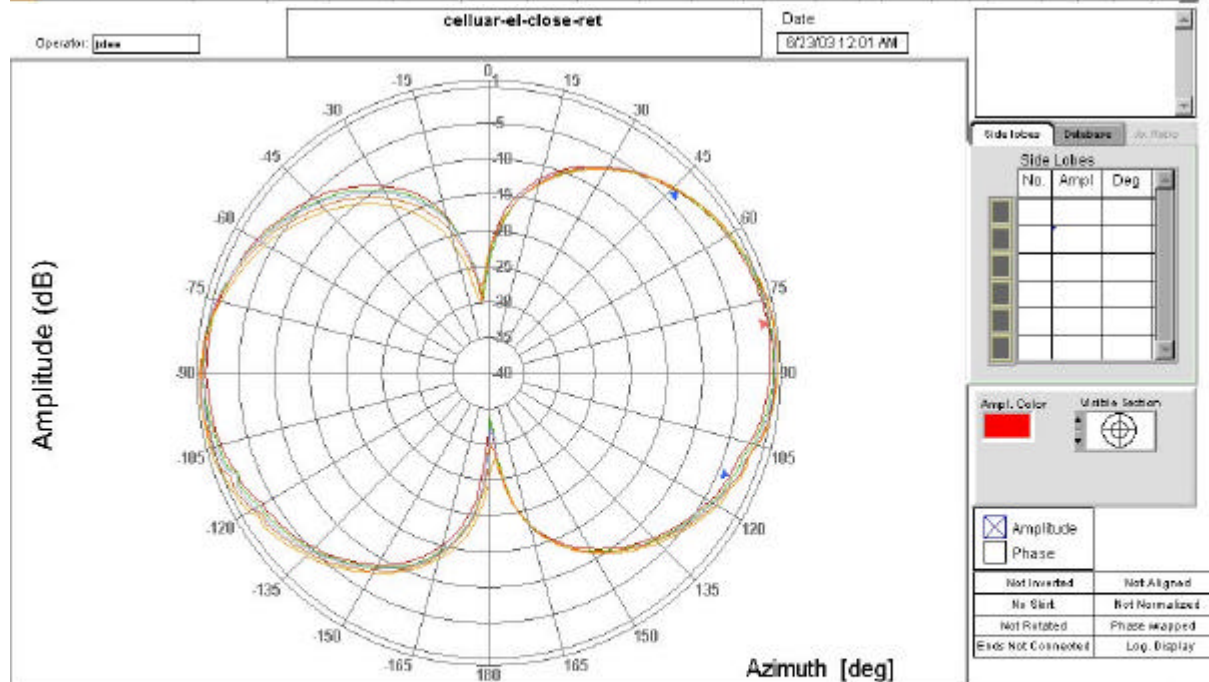


**MRW ANTENNA SPECIFICATION**Doc.No
MRWPQR10420Rev. No.
0**RETRACTABLE ANTENNA**Date
2003. 6.27

Page



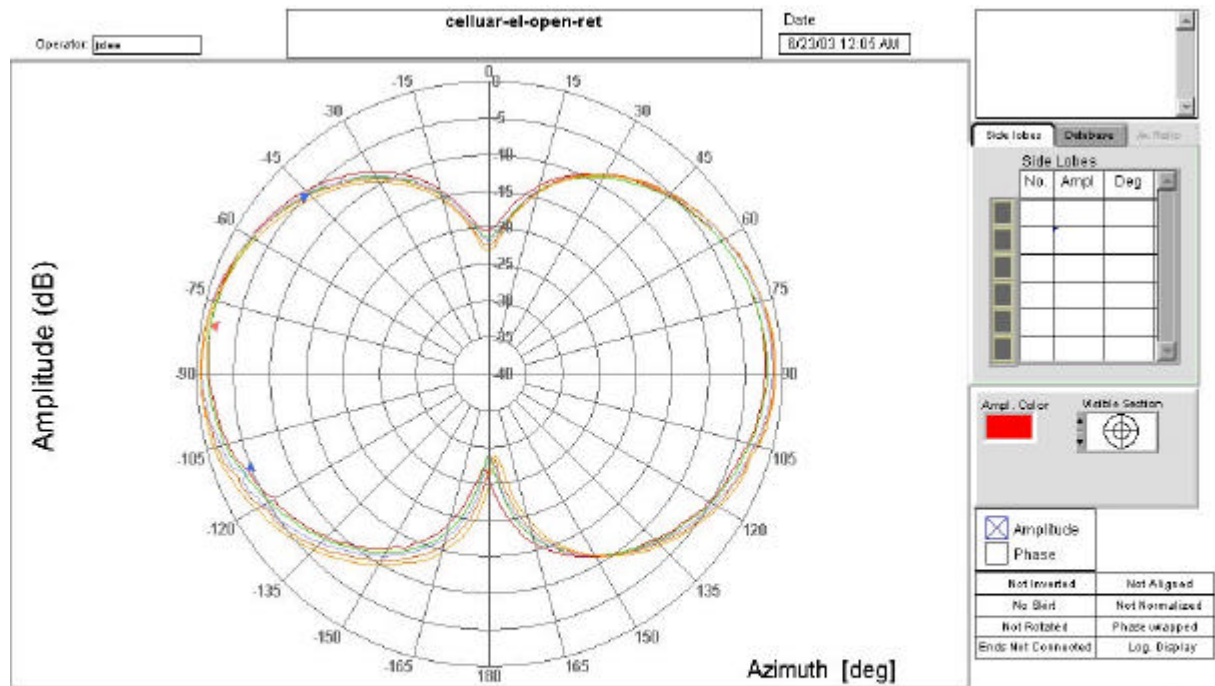
File Name	Polar	Freq. MHz	Ch.	Beam	Switch	Beam Peak [dB] Value [deg]	Beam Width [deg] Value At dB	Null Depth [dB] Value [deg]	Arg.	Dir.	Gain	Norm.	Phase
celluar_el_close-ret-CAL.rtf	0.00	824.000 M	1.00	CHI		-4.48 -84.80 P	72.04 3.00 P		-6.28	0.00	1.00	-40.61	
celluar_el_close-ret-CAL.rtf	0.00	844.000 M	1.00	CHI		-5.38 -88.80 P	97.84 3.00 P		-7.38	0.00	1.00	-40.60	
celluar_el_close-ret-CAL.rtf	0.00	859.000 M	1.00	CHI		-5.18 -90.80 P	93.84 3.00 P		-7.18	0.00	1.00	-40.54	
celluar_el_close-ret-CAL.rtf	0.00	874.000 M	1.00	CHI		-5.81 -90.80 P	95.82 3.00 P		-6.85	0.00	1.00	-40.68	
celluar_el_close-ret-CAL.rtf	0.00	894.000 M	1.00	CHI		-5.18 -100.00 P	95.00 3.00 P		-6.28	0.00	1.00	-41.00	



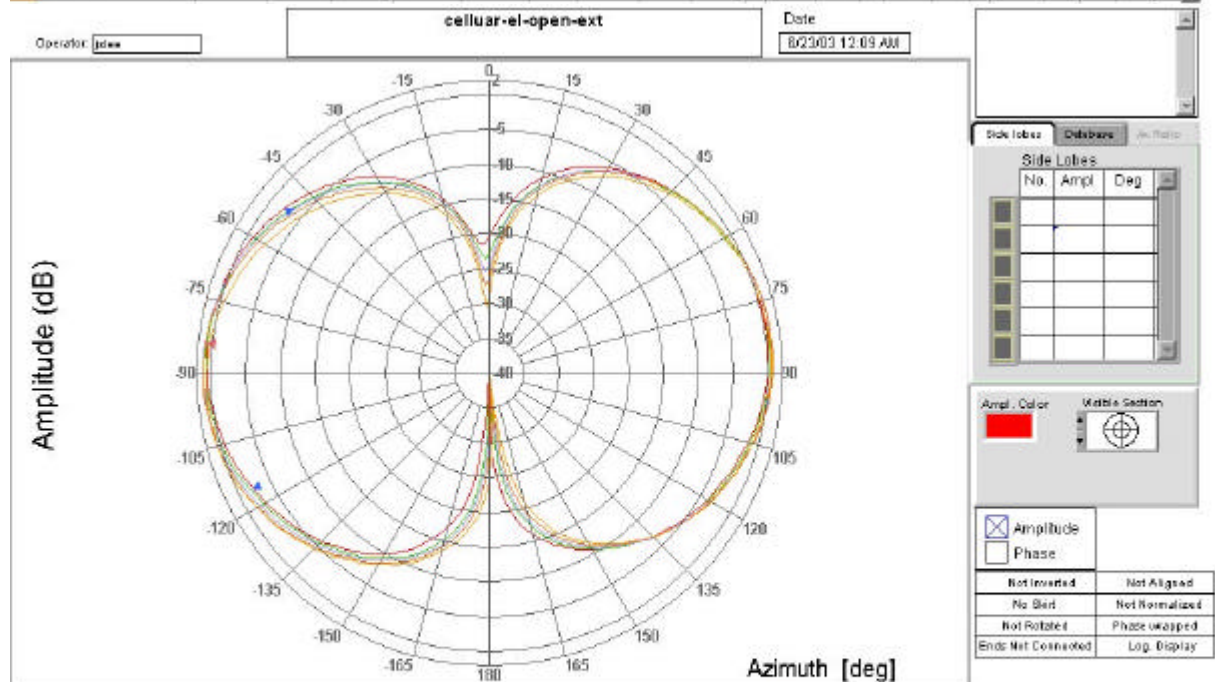
File Name	Polar	Freq. MHz	Ch.	Beam	Switch	Beam Peak [dB] Value [deg]	Beam Width [deg] Value At dB	Null Depth [dB] Value [deg]	Arg.	Dir.	Gain	Norm.	Phase
celluar_el_close-ret-CAL.rtf	0.00	824.000 M	1.00	CHI		-4.31 -80.00 P	88.00 3.00 P		-4.31	0.00	1.00	-40.61	
celluar_el_close-ret-CAL.rtf	0.00	844.000 M	1.00	CHI		-5.11 -82.00 P	95.82 3.00 P		-4.27	0.00	1.00	-40.60	
celluar_el_close-ret-CAL.rtf	0.00	859.000 M	1.00	CHI		-4.48 -82.00 P	95.21 3.00 P		-5.81	0.00	1.00	-40.54	
celluar_el_close-ret-CAL.rtf	0.00	874.000 M	1.00	CHI		-5.06 -82.00 P	95.12 3.00 P		-5.71	0.00	1.00	-40.68	
celluar_el_close-ret-CAL.rtf	0.00	894.000 M	1.00	CHI		-5.06 -84.00 P	95.14 3.00 P		-5.88	0.00	1.00	-41.00	

**MRW ANTENNA SPECIFICATION**Doc.No
MRWPQR10420Rev. No.
0**RETRACTABLE ANTENNA**Date
2003. 6.27

Page



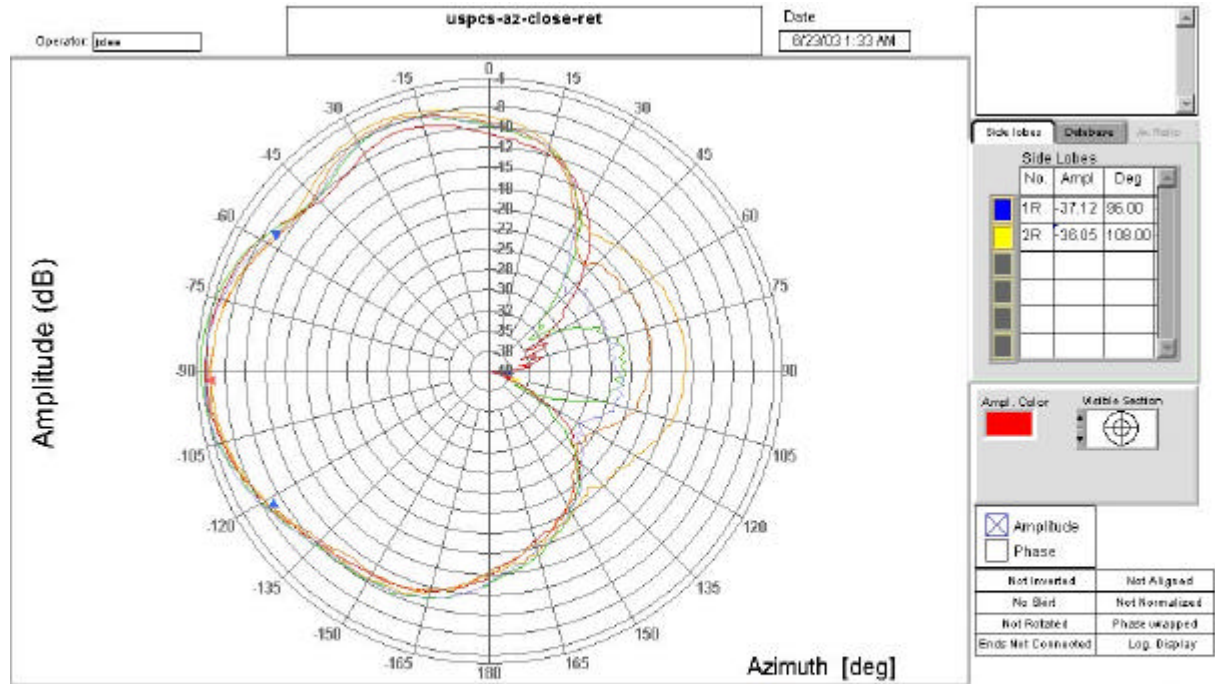
File Name	Polar	Freq. MHz	Ch.	Beam	Switch	Beam Peak (dB)	Beam Width (deg)	Beam SS4th (deg)	Half Depth (dB)	Avg.	Dir.	Gain Norm.	Phase		
celluar_el_open_ret-CAL.rtf	0.00	824.000 MHz	0.00	CH1		-1.35	30.00	P	65.15	3.00	P	-5.82	0.00	0.00	-40.61
celluar_el_open_ret-CAL.rtf	0.00	844.000 MHz	0.00	CH1		-1.32	30.00	P	65.82	3.00	P	-5.59	0.00	0.00	-40.60
celluar_el_open_ret-CAL.rtf	0.00	859.000 MHz	0.00	CH1		-0.04	30.00	P	60.27	3.00	P	-5.81	0.00	0.00	-40.84
celluar_el_open_ret-CAL.rtf	0.00	874.000 MHz	0.00	CH1		-0.52	30.00	P	64.14	3.00	P	-4.84	0.00	0.00	-40.68
celluar_el_open_ret-CAL.rtf	0.00	884.000 MHz	0.00	CH1		-0.01	30.00	P	64.84	3.00	P	-4.70	0.00	0.00	-41.05



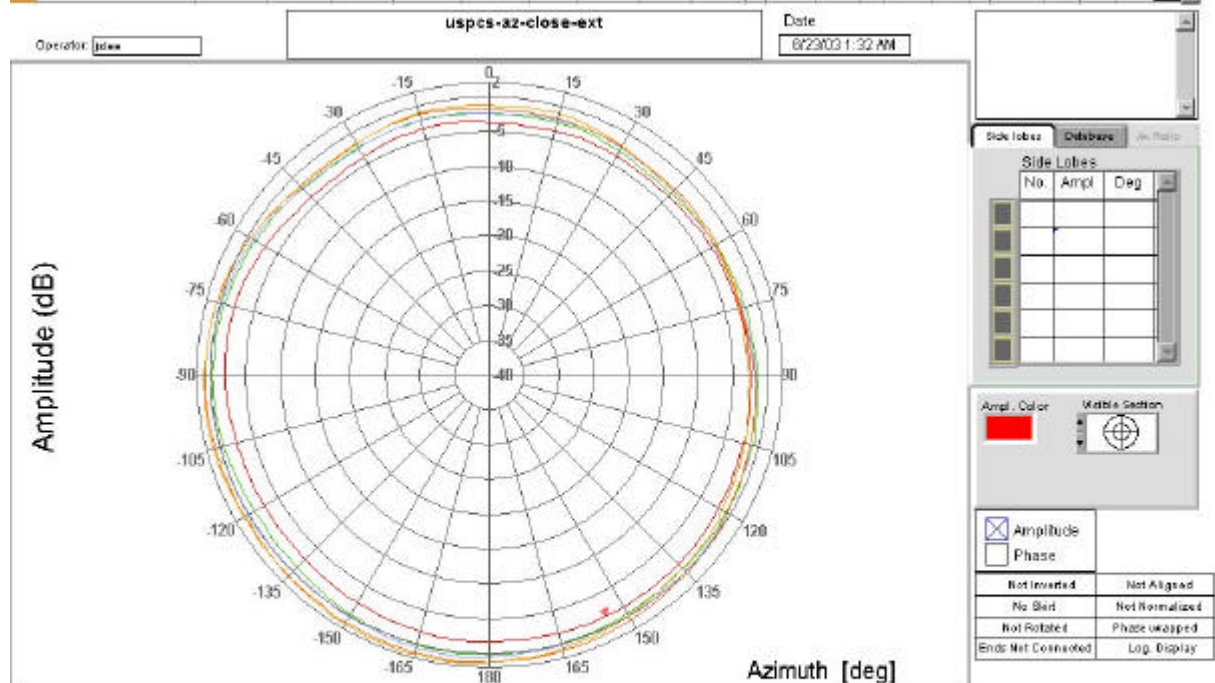
	File Name	Polar	Freq. MHz	Ch.	Beam	Switch	Beam Peak [dB] Value	Beam Width [deg] Value	Beam Width [deg] P	Half Depth [dB] Value	Half Depth [dB] P	Avg.	Dir.	Gain Norm.	Phase			
	celluar_el_open_ext-CAL.rtf	0.00	824.000 MHz	0.00	CH1		0.88	-30.00	P	65.15	3.00	P		-5.80	0.00	0.00	-40.61	
	celluar_el_open_ext-CAL.rtf	0.00	844.000 MHz	0.00	CH1		0.71	-30.00	P	63.73	3.00	P		-5.57	0.00	0.00	-40.60	
	celluar_el_open_ext-CAL.rtf	0.00	859.000 MHz	0.00	CH1		1.87	-30.00	P	62.28	3.00	P		-5.32	0.00	0.00	-40.84	
	celluar_el_open_ext-CAL.rtf	0.00	874.000 MHz	0.00	CH1		1.88	-30.00	P	61.28	3.00	P		-5.31	0.00	0.00	-40.68	
	celluar_el_open_ext-CAL.rtf	0.00	884.000 MHz	0.00	CH1		0.85	-30.00	P	62.58	3.00	P		-5.84	0.00	0.00	-41.05	

**MRW ANTENNA SPECIFICATION**Doc.No
MRWPQR10420Rev. No.
0**RETRACTABLE ANTENNA**Date
2003. 6.27

Page



File Name	PoI	Freq. MHz	Ch.	Beam	Switch	Beam Peak [dB] Value	Beam Width [deg] [deg]	Beam Width [deg] [deg]	Null Depth [dB] Value	Avg.	Dir.	Gain Norm.	Phase		
uspcz_az_close_ret-CAL.nrf	0.00	1650.000 M	0.88	CH1		-5.11	-92.00	P	64.52	3.80	P	-10.38	0.00	0.00	-54.42
uspcz_az_close_ret-CAL.nrf	0.00	1655.000 M	0.88	CH1		-4.94	-92.00	P	65.32	3.80	P	-10.28	0.00	0.00	-54.71
uspcz_az_close_ret-CAL.nrf	0.00	1660.000 M	0.88	CH1		-4.89	-90.00	P	60.84	3.80	P	-10.41	0.00	0.00	-54.62
uspcz_az_close_ret-CAL.nrf	0.00	1665.000 M	0.88	CH1		-5.50	-90.00	P	61.78	3.80	P	-10.77	0.00	0.00	-54.63
uspcz_az_close_ret-CAL.nrf	0.00	1660.000 M	0.88	CH1		-5.79	-90.00	P	65.33	3.80	P	-10.34	0.00	0.00	-55.61



File Name	PoI	Freq. MHz	Ch.	Beam	Switch	Beam Peak [dB] Value	Beam Width [deg] Value	Beam Width [deg] Min	Beam Width [deg] Max	Null Depth [dB] Value	Avg	Dir.	Gain Norm.	Phase	
uspcz_az_close_ext-CAL.nrf	0.00	1650.000 MHz	0.88	CH1		-1.55	-164.88	P	1st	3.80	P	-2.81	0.00	0.00	-54.42
uspcz_az_close_ext-CAL.nrf	0.00	1655.000 MHz	0.88	CH1		0.18	-174.00	P	1st	3.80	P	-1.20	0.00	0.00	-54.71
uspcz_az_close_ext-CAL.nrf	0.00	1660.000 MHz	0.88	CH1		0.88	-170.00	P	1st	3.80	P	-0.82	0.00	0.00	-54.62
uspcz_az_close_ext-CAL.nrf	0.00	1665.000 MHz	0.88	CH1		1.32	-172.00	P	1st	3.80	P	-0.30	0.00	0.00	-54.63
uspcz_az_close_ext-CAL.nrf	0.00	1660.000 MHz	0.88	CH1		1.88	-194.00	P	1st	3.80	P	-0.44	0.00	0.00	-55.61



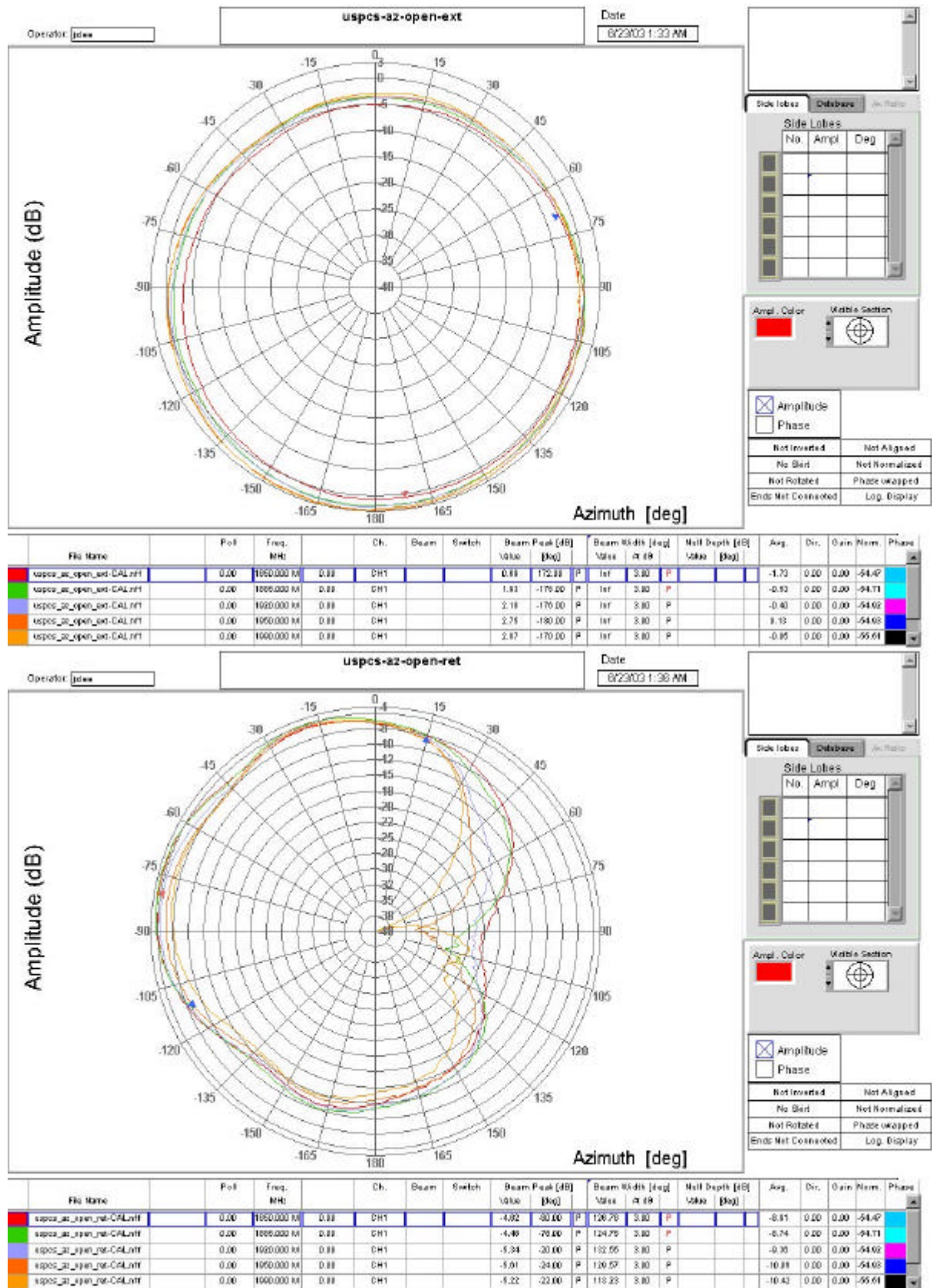
MRW ANTENNA SPECIFICATION

Doc.No
MRWPQR10420Rev. No.
0

RETRACTABLE ANTENNA

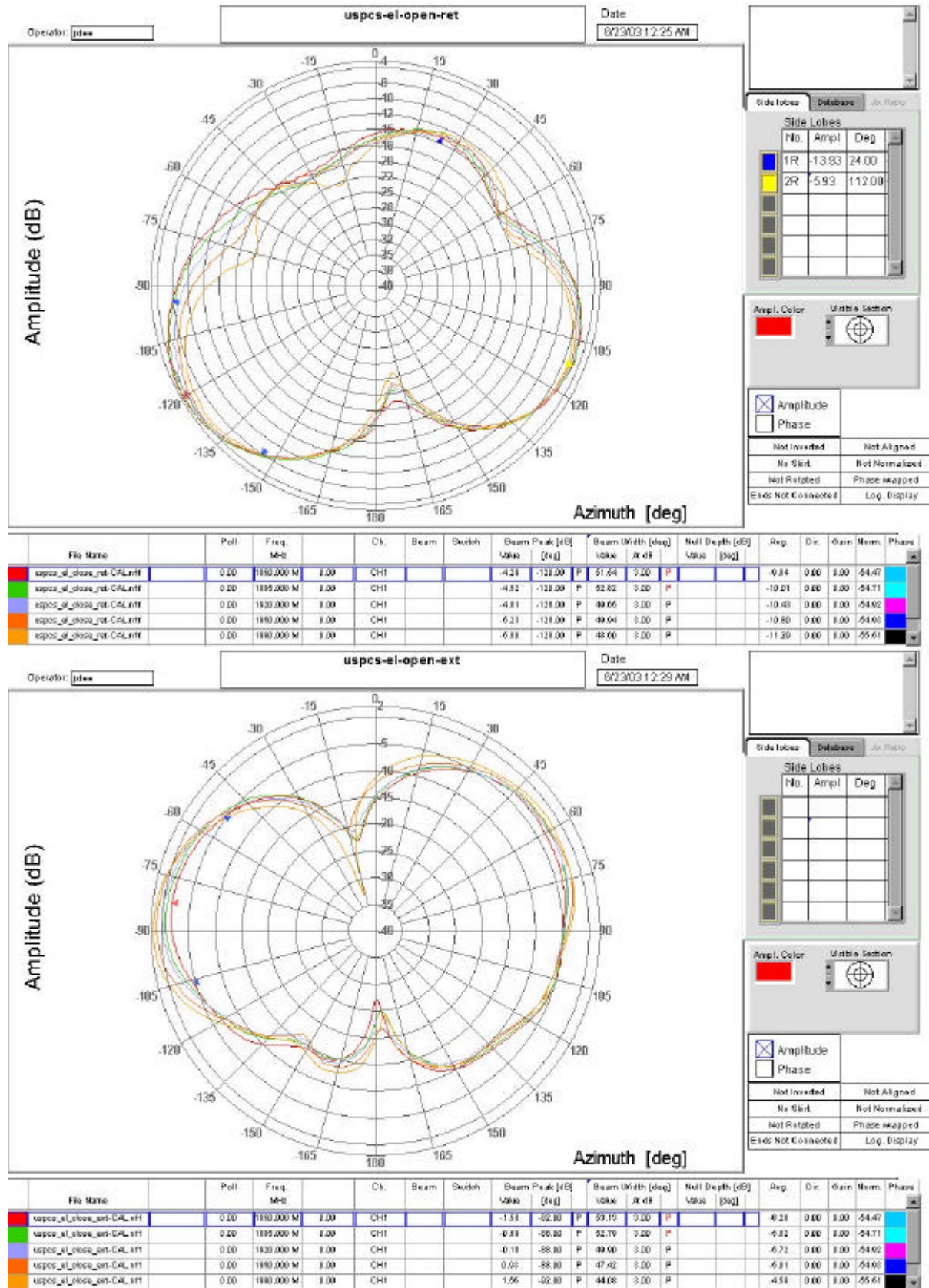
Date
2003. 6.27

Page



**MRW ANTENNA SPECIFICATION**Doc.No
MRWPQR10420Rev. No.
0**RETRACTABLE ANTENNA**Date
2003. 6.27

Page





MRW ANTENNA SPECIFICATION

Doc.No
MRWPQR10420Rev. No.
0

RETRACTABLE ANTENNA

Date
2003. 6.27

Page

