

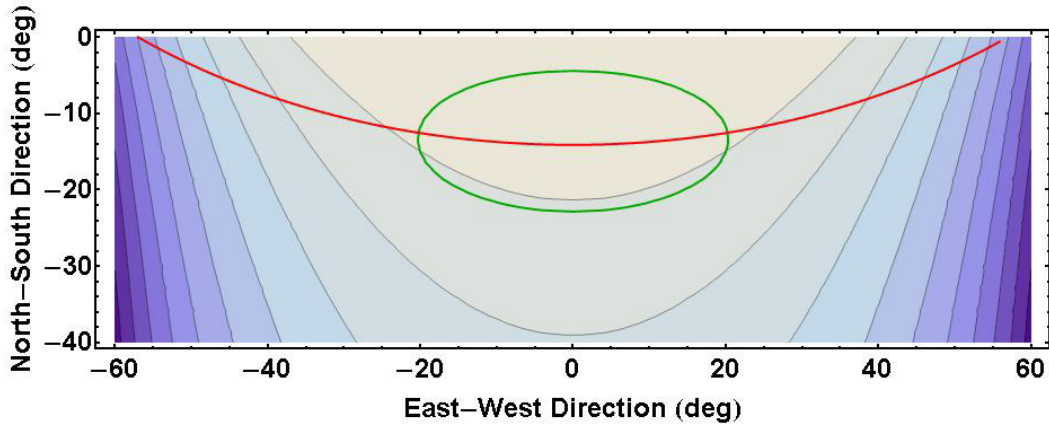
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -15° (S), EW 0° (W)

16 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -0.7 dB Relative



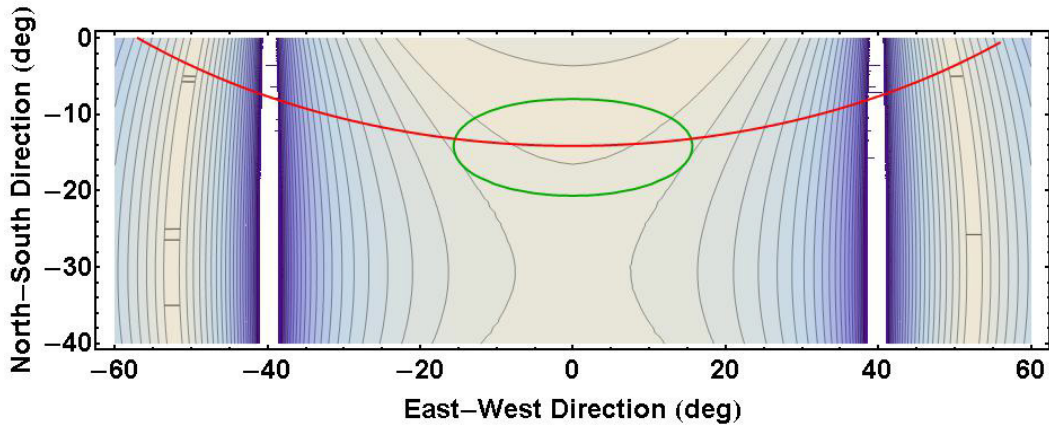
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -15° (S), EW 0° (W)

24 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -0.9 dB Relative



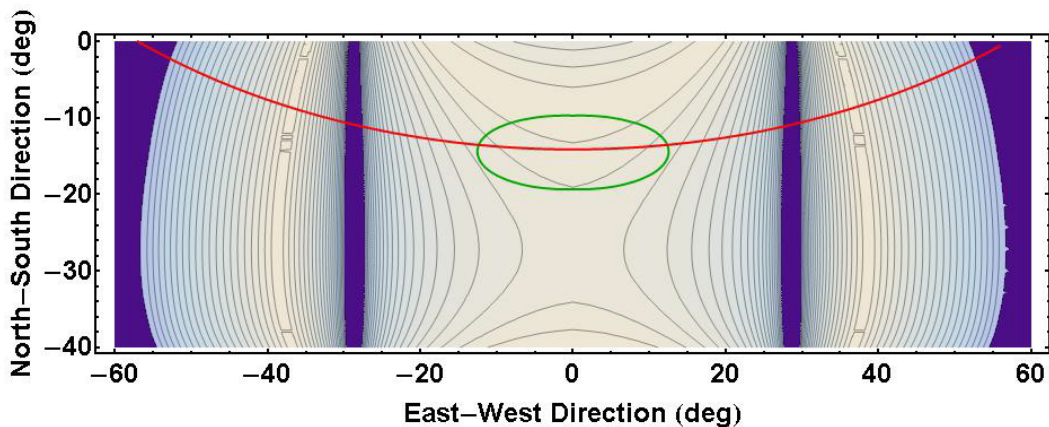
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -15° (S), EW 0° (W)

32 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -2.3 dB Relative



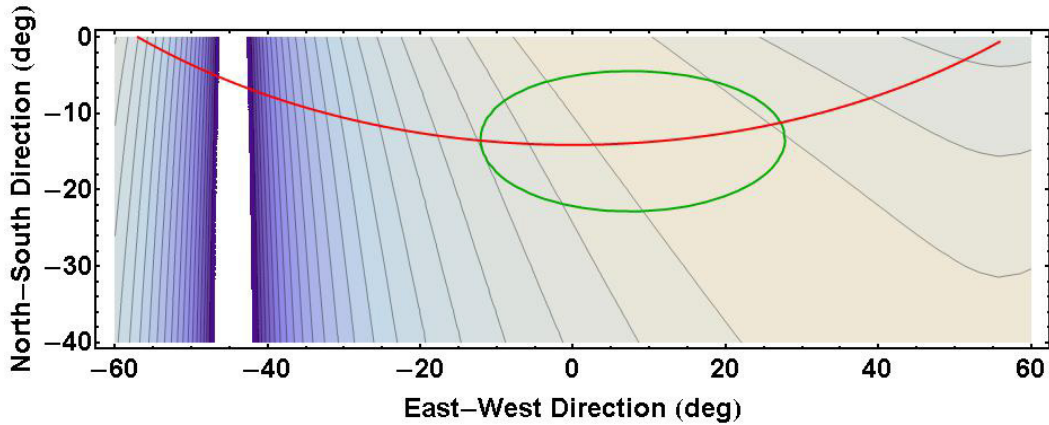
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -15° (S), EW 15° (W)

16 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -1.1 dB Relative



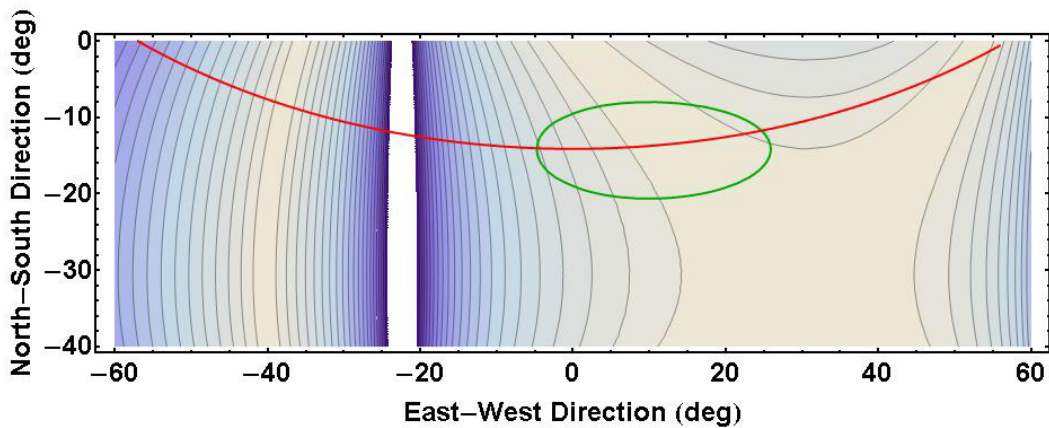
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -15° (S), EW 15° (W)

24 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -1.4 dB Relative



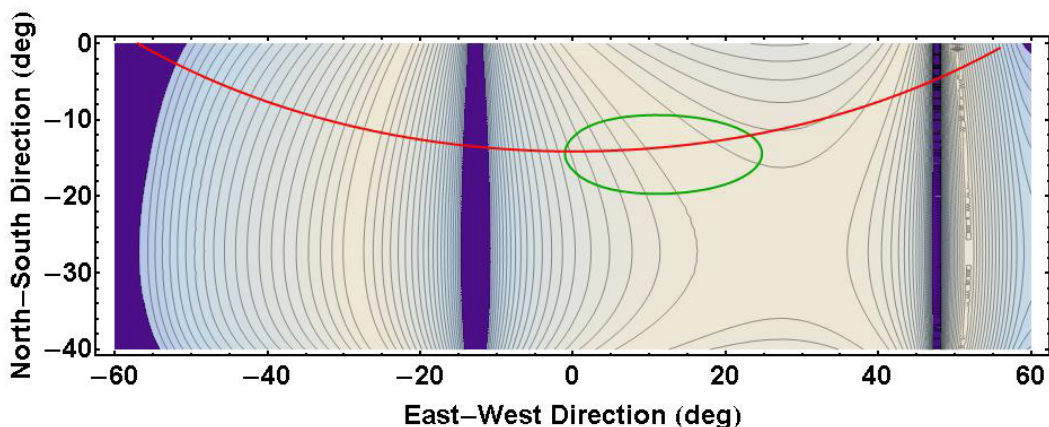
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -15° (S), EW 15° (W)

32 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -3.5 dB Relative



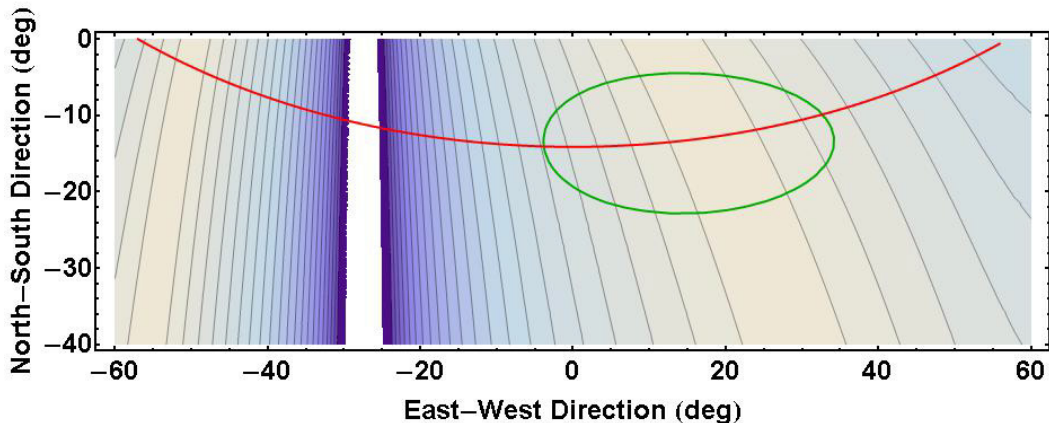
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -15° (S), EW 30° (W)

16 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -2.2 dB Relative



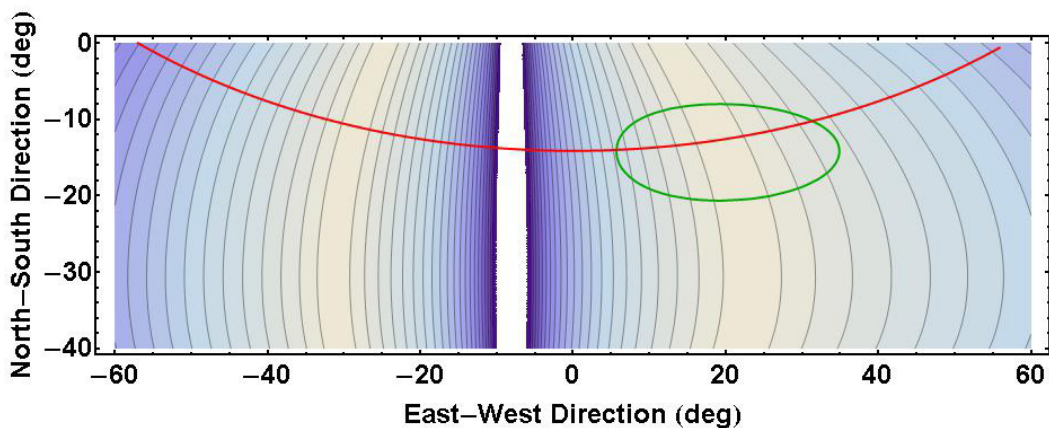
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -15° (S), EW 30° (W)

24 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -3.1 dB Relative



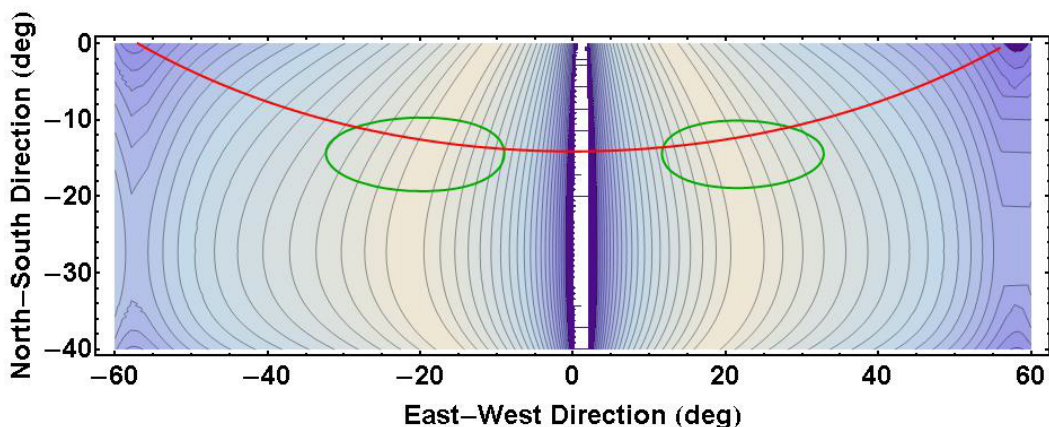
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -15° (S), EW 30° (W)

32 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -4.8 dB Relative



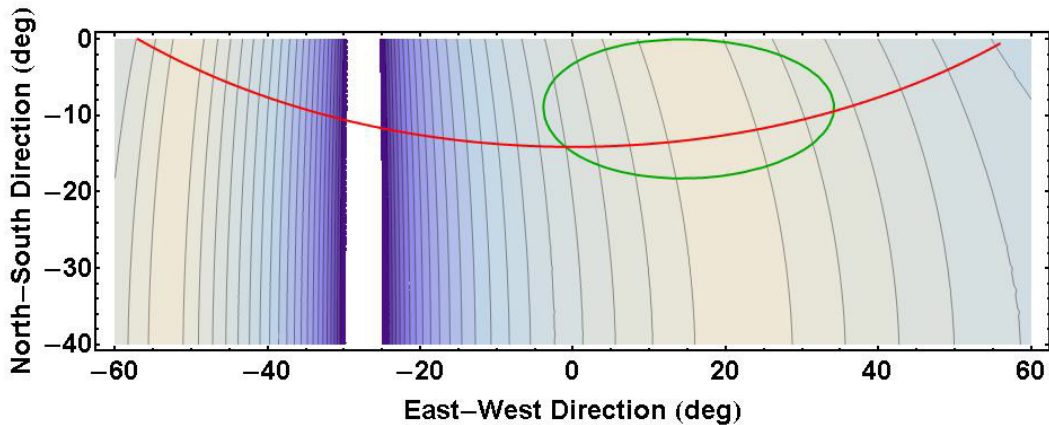
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -10° (S), EW 30° (W)

16 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -1.8 dB Relative



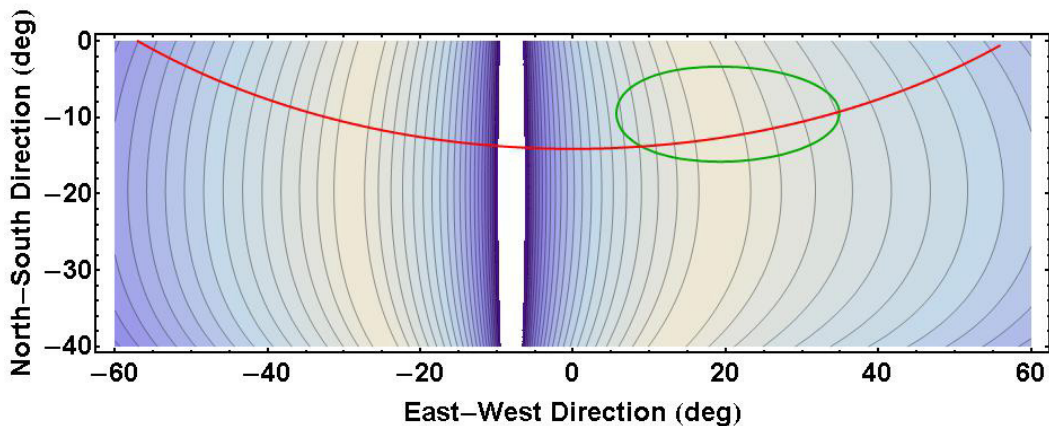
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -10° (S), EW 30° (W)

24 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -2.6 dB Relative



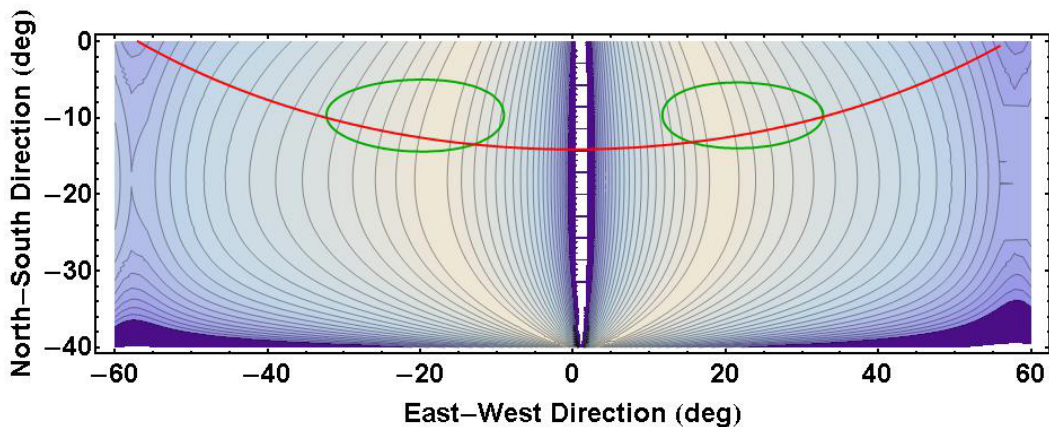
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -10° (S), EW 30° (W)

32 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -4.2 dB Relative



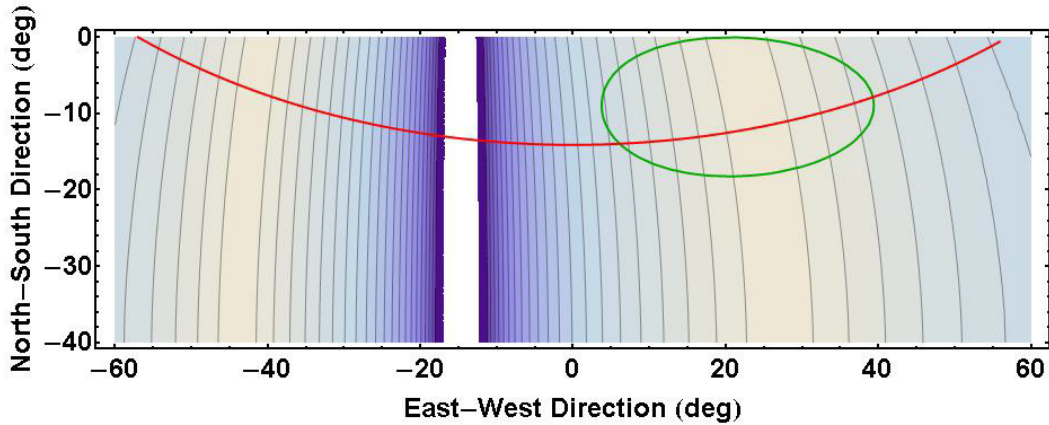
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -10° (S), EW 45° (W)

16 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -3.4 dB Relative



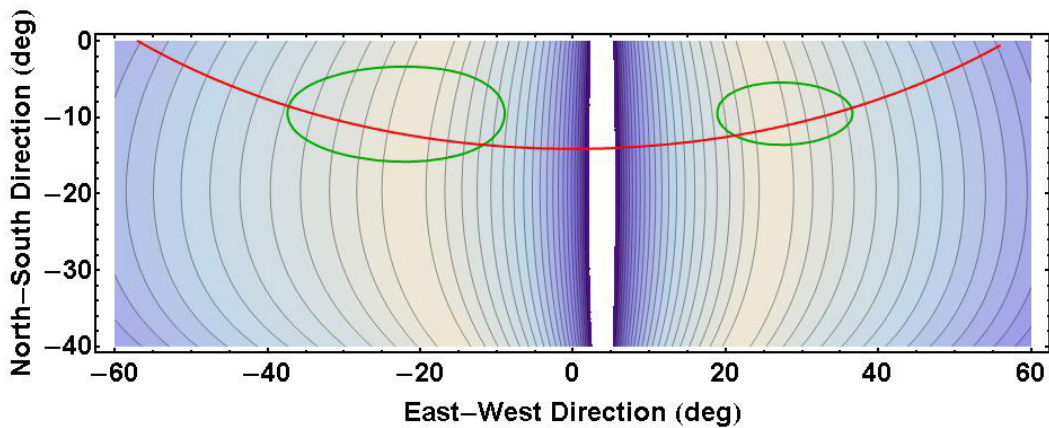
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -10° (S), EW 45° (W)

24 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -3.4 dB Relative



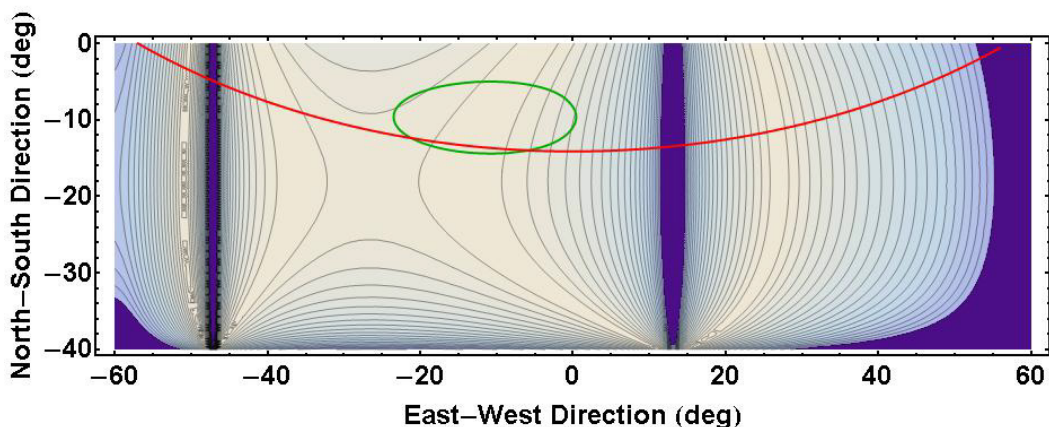
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -10° (S), EW 45° (W)

32 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -2.3 dB Relative



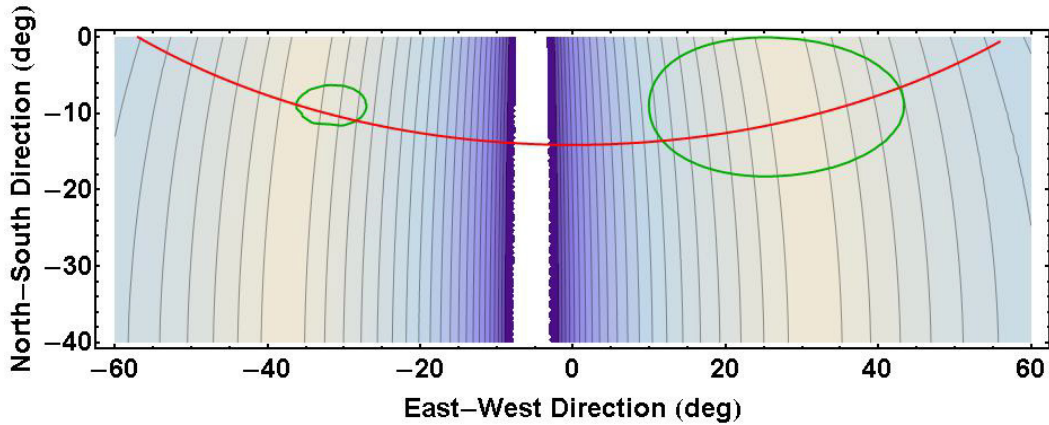
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -10° (S), EW 60° (W)

16 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -5.1 dB Relative



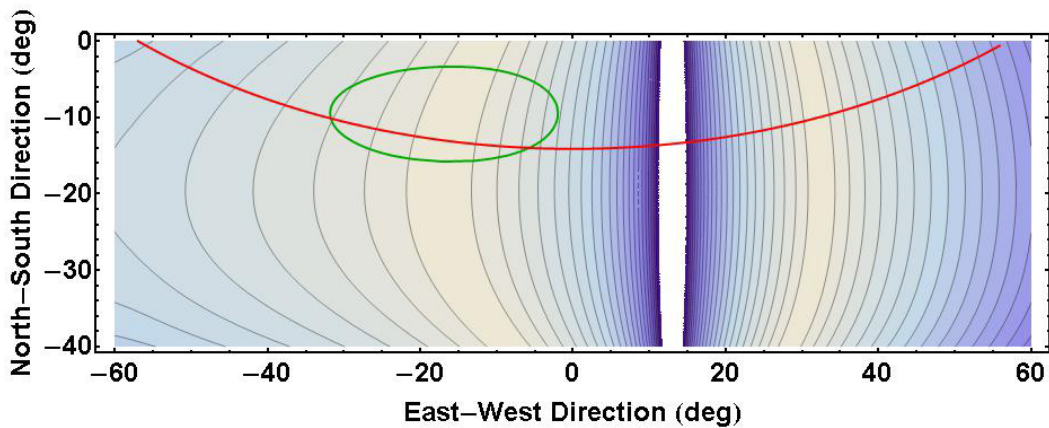
TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -10° (S), EW 60° (W)

24 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -1.9 dB Relative



TFD Array Response Difference Between EW & NS Dipoles

Beam Steering: NS -10° (S), EW 60° (W)

32 MHz 1 dB Contours

Red = Jupiter Track 20 Jan 2015

Green = HPBW, Max Gain = -1.7 dB Relative

