

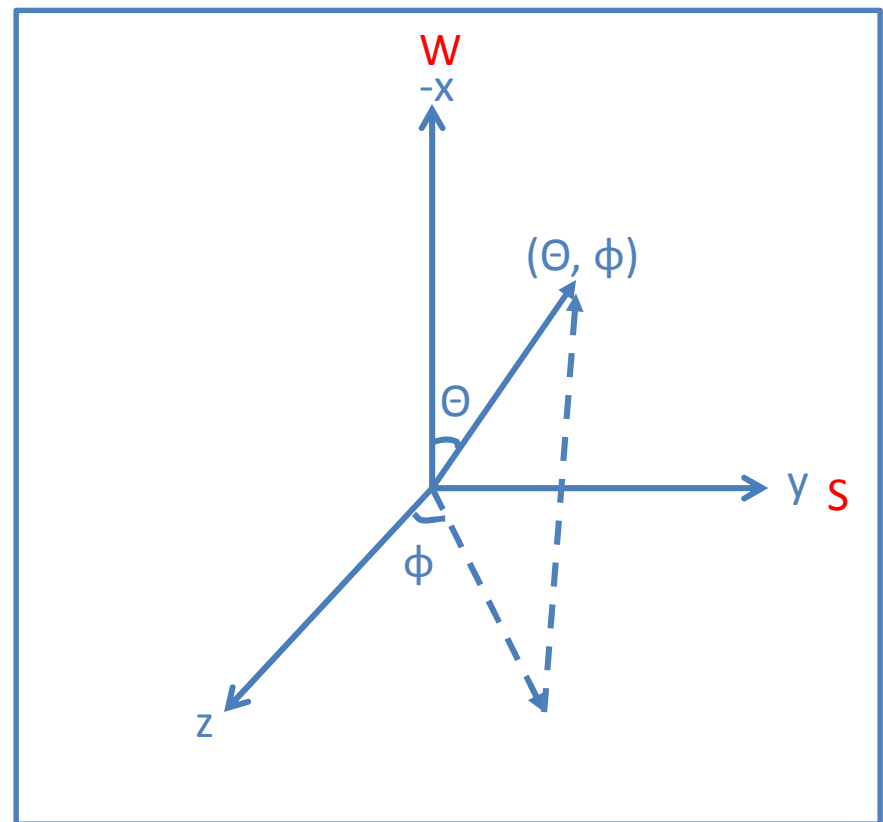
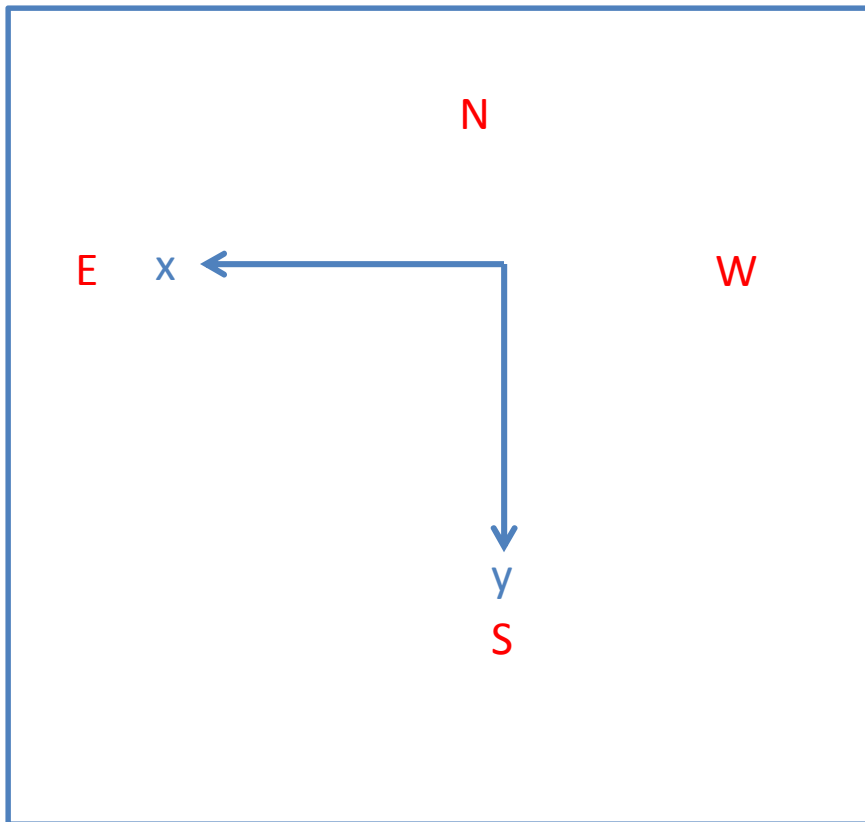
February 22, 2012

# 95 West Adjacent Satellite Off Axis Antenna Performance CONUS Beam

## Maximum Allowable EIRP to meet the -117dBW/m<sup>2</sup>/100 kHz

Maximum EIRP Allowed	
Spec Max flux density, dBW/m <sup>2</sup> /100kHz	-117
Desired channel band width, MHz	24
Symbol rate band width modification factor	1
Effective channel bandwidth, MHz	24
Effective bandwidth, dB-100kHz	23.8
Flux density allowed per channel, dBW/m <sup>2</sup>	-93.2
R, radial distance to GEO, km	42164.0
Angle of separation between satellites, deg	5.6
range between satellites, km	4084.245
Spreading factor, dB/m <sup>2</sup>	-143.2
Atmospheric loss, dB	0
Max satellite EIRP allowed, dBW	50.0

# Coordinate System



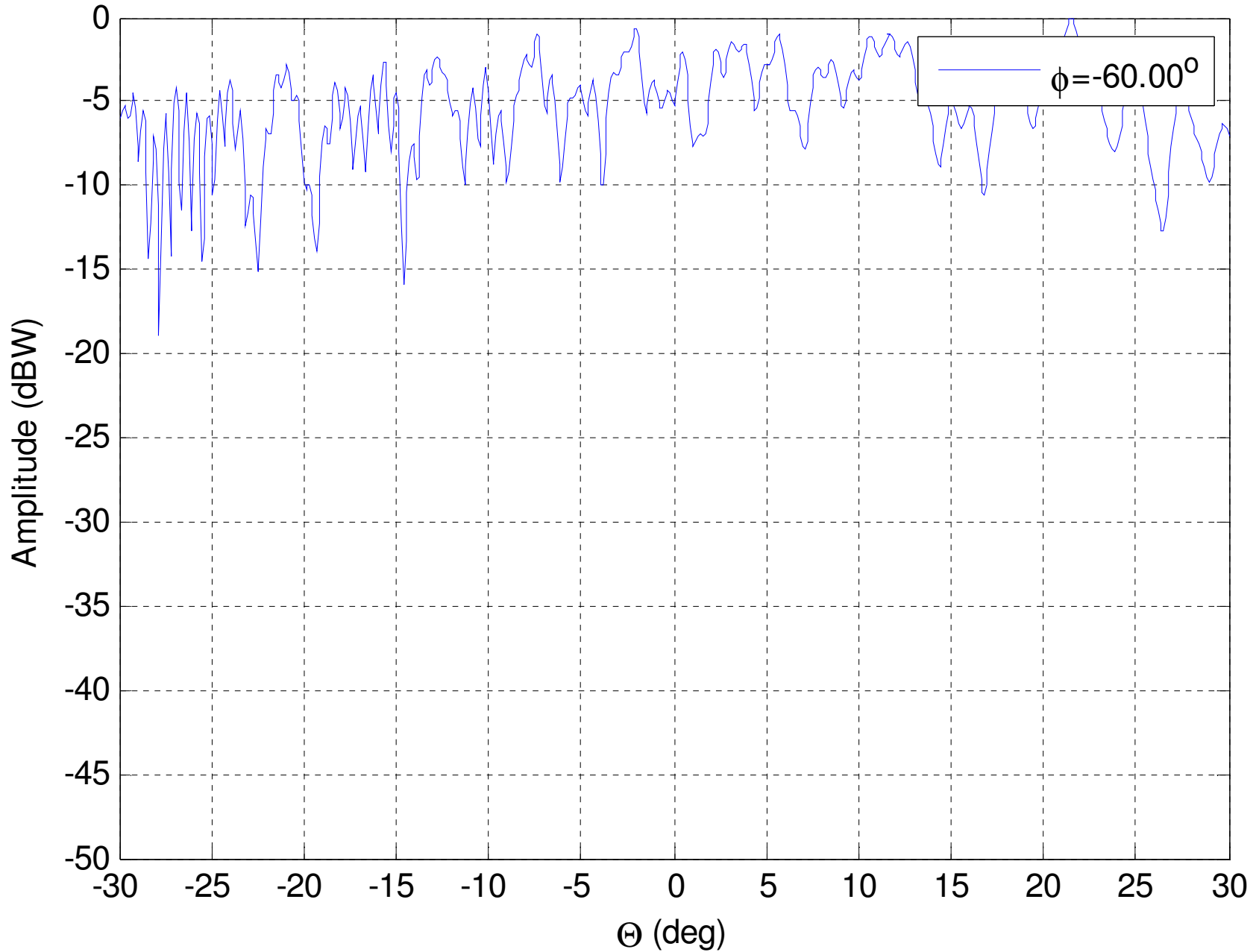
# CONUS Beam, -X Axis Plots

- Both polarizations; RHCP, LHCP
- $-30 < \Theta < 30$  ( $\Theta=0$ : -X -axis)
- $-60 < \phi < 60$
- Freq = 17.3, 17.5, and 17.7 GHz
- The Zero reference line is the peak EIRP listed in the title of each chart
- To convert to antenna directivity subtract the 23.1 dBW conversion factor from the amplitude
- All levels are significantly below the required +50.0 dBW EIRP shown on chart 2

**RHCP at 17.3 GHz**

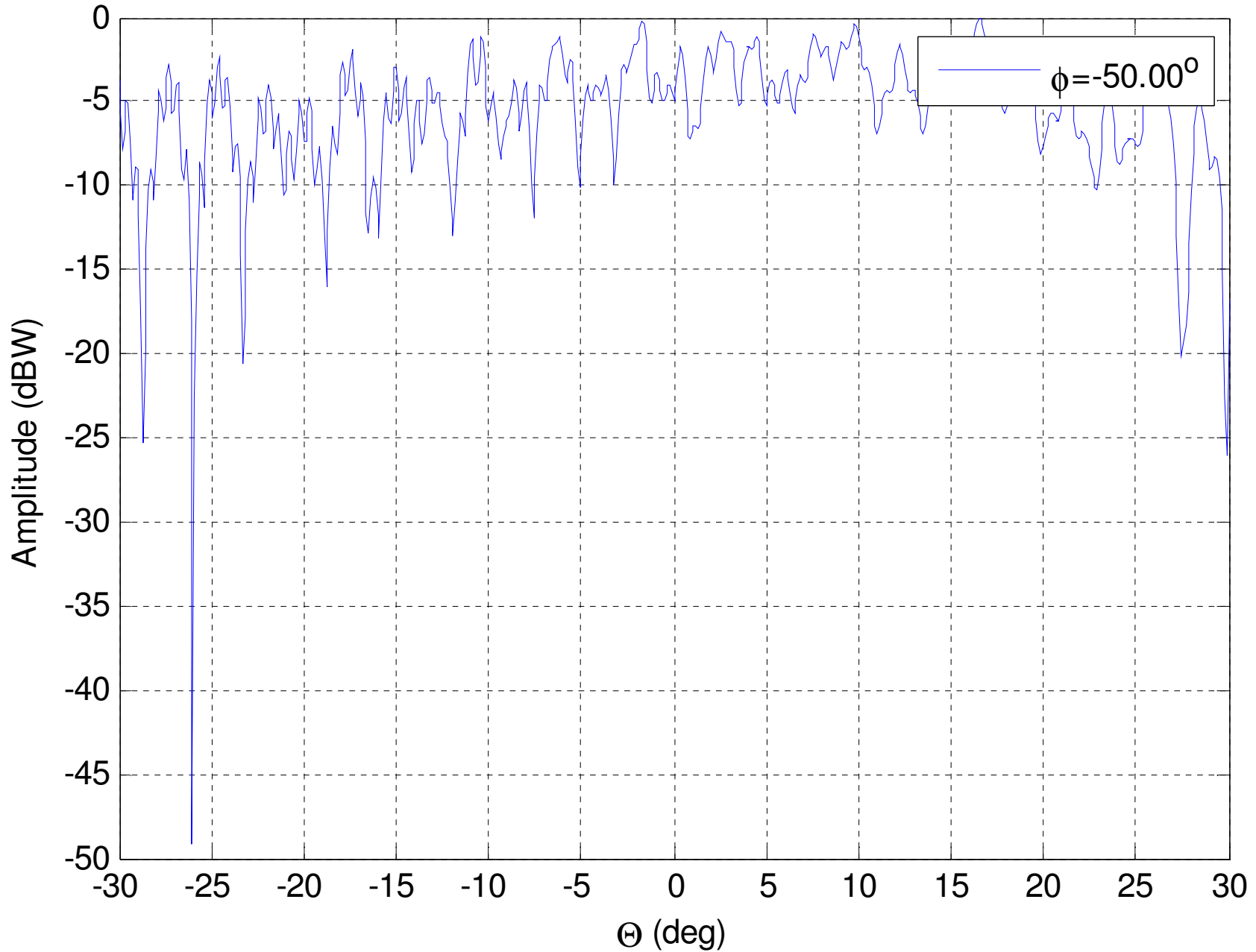
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--60.cut, Peak: -2.23 dBW, Date: 15-Sep-2011



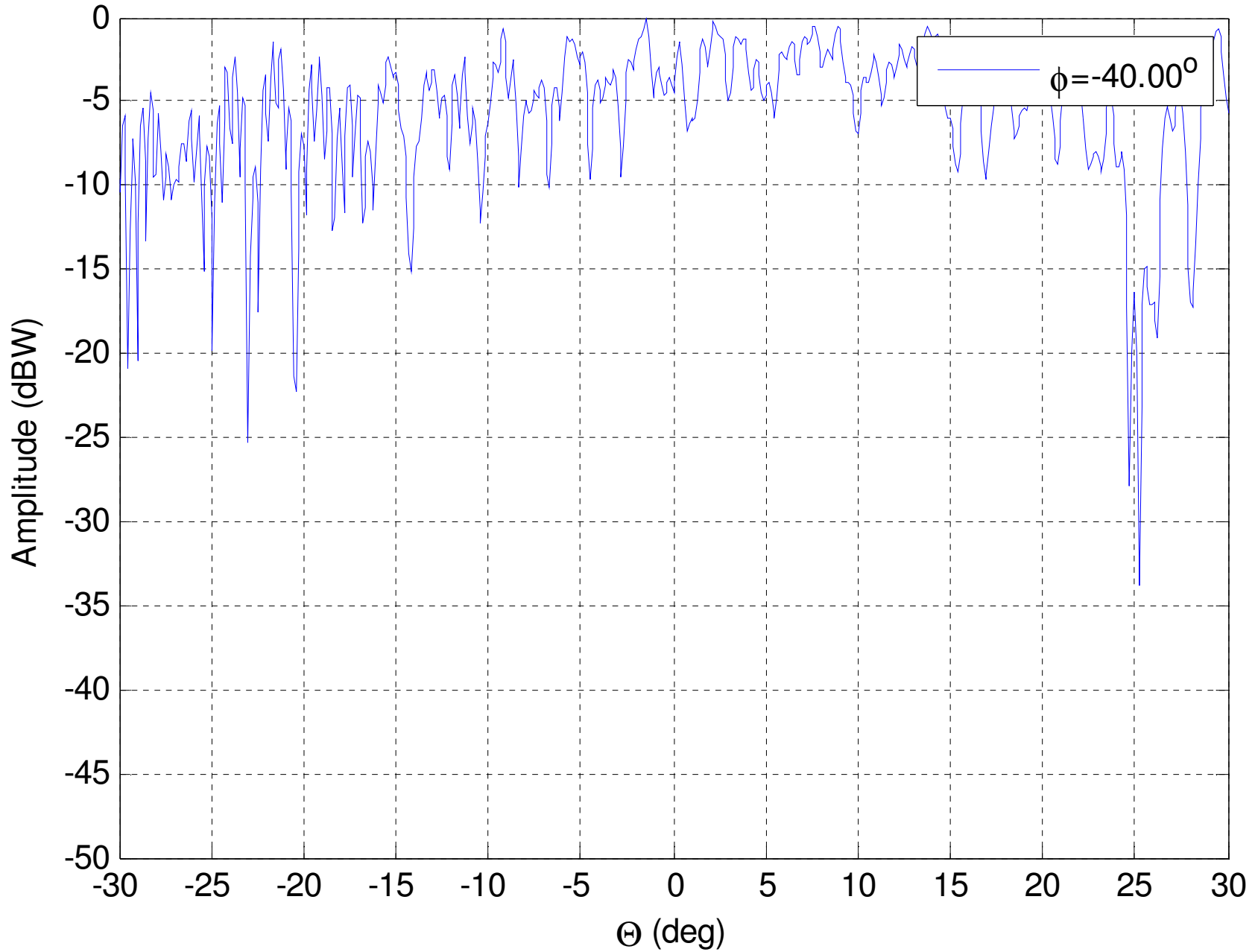
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--50.cut, Peak: -2.61 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

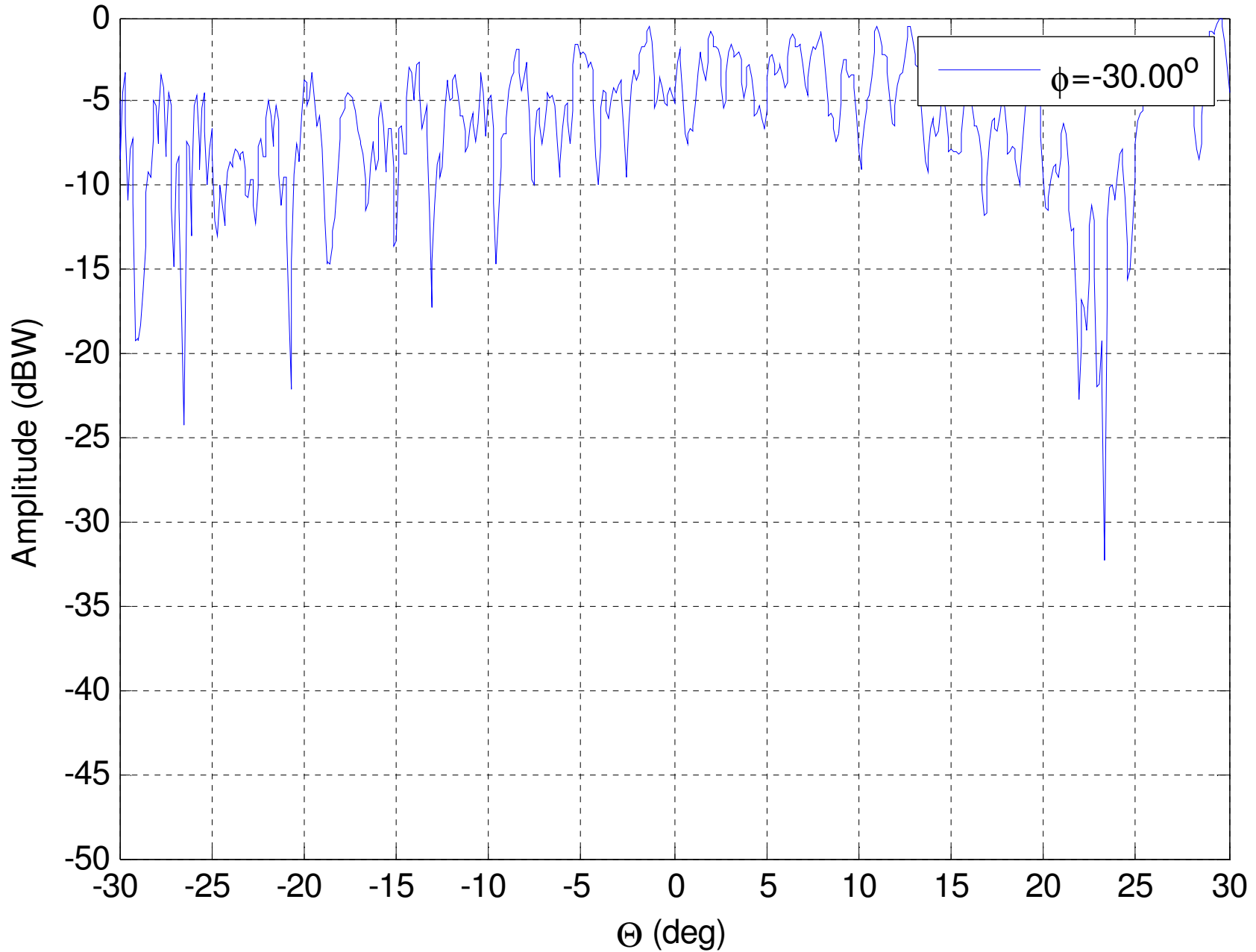
Input file: tx-17.3-rhcp--40.cut, Peak: -2.96 dBW, Date: 15-Sep-2011





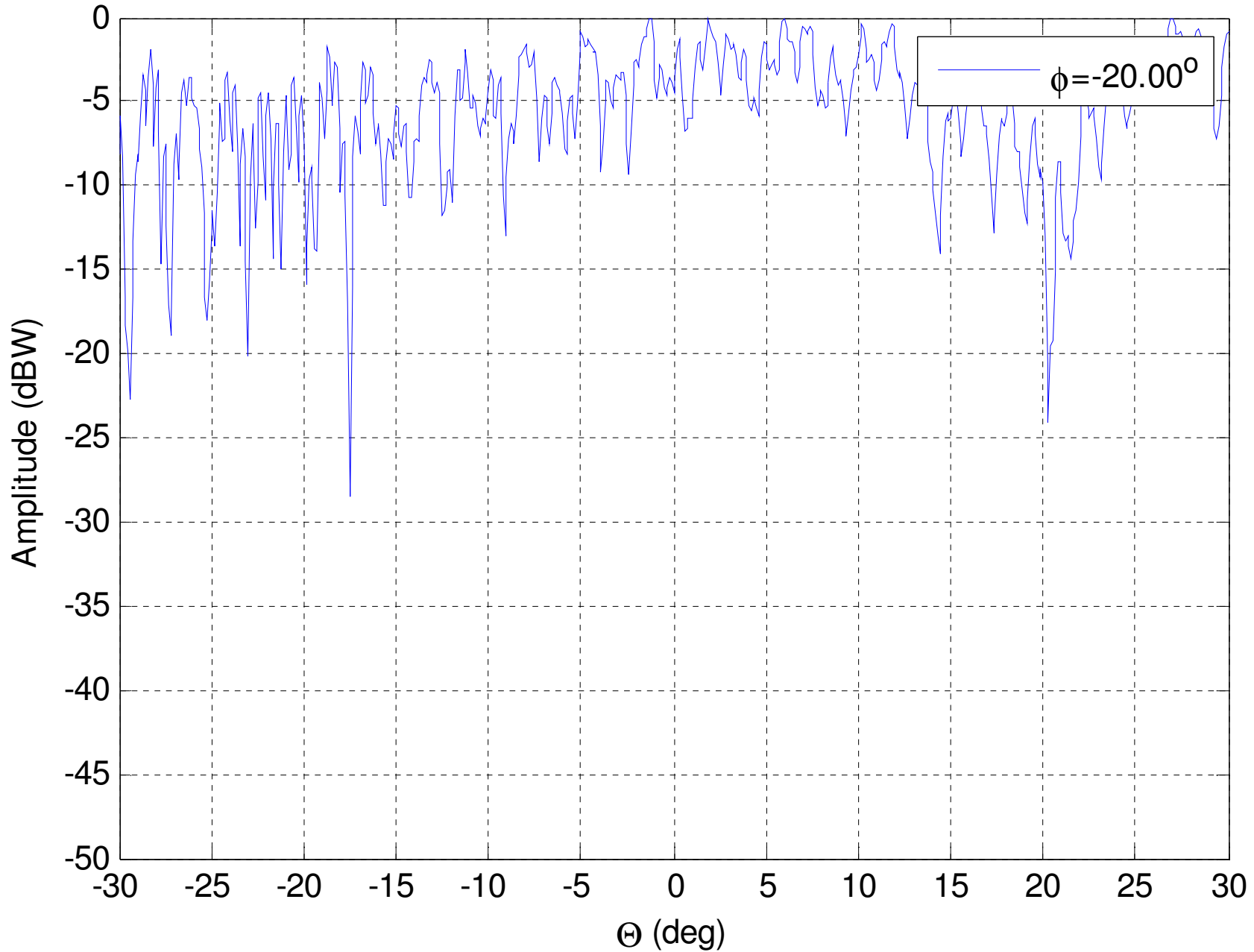
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--30.cut, Peak: -2.38 dBW, Date: 15-Sep-2011



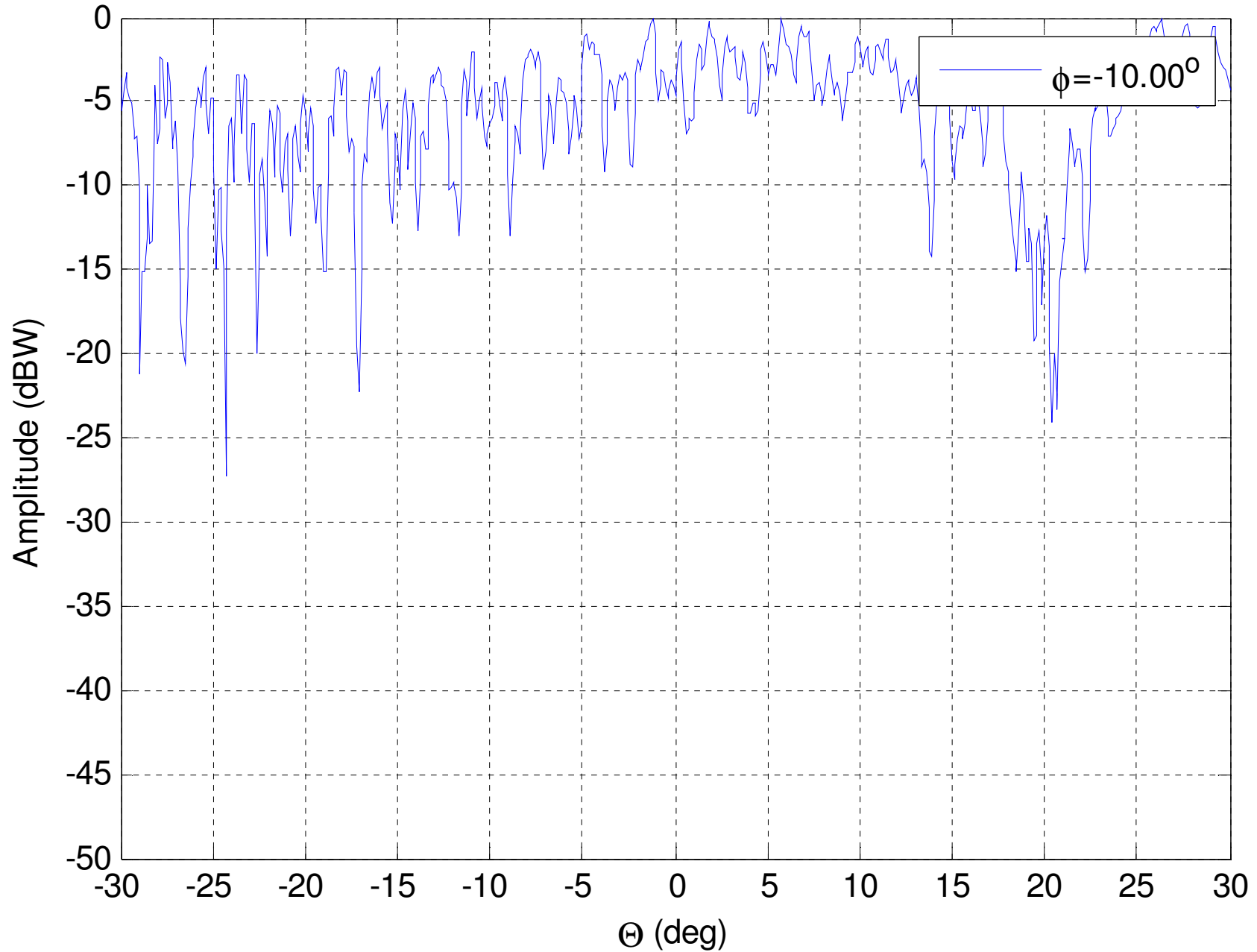
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--20.cut, Peak: -3.03 dBW, Date: 15-Sep-2011



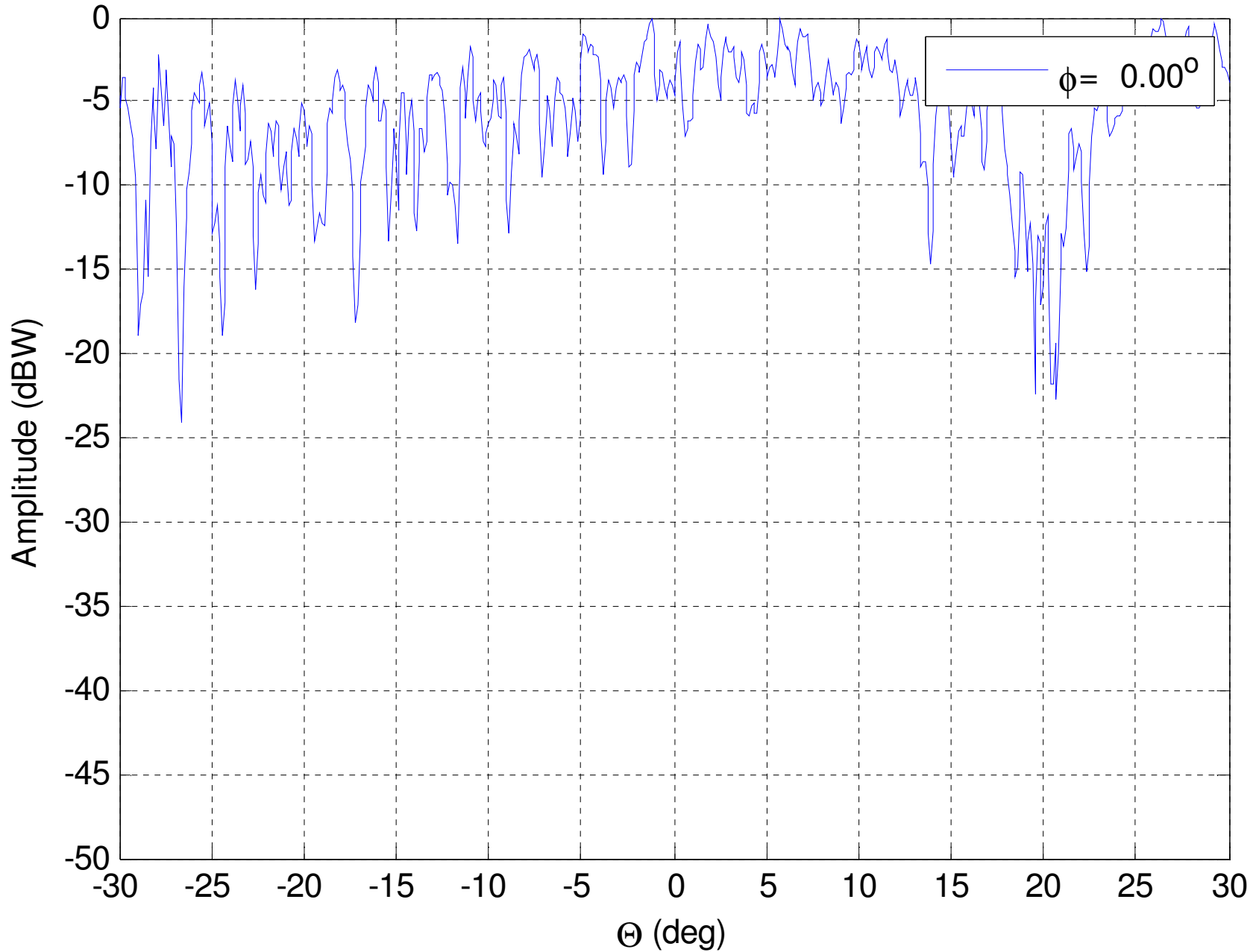
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--10.cut, Peak: -2.90 dBW, Date: 15-Sep-2011



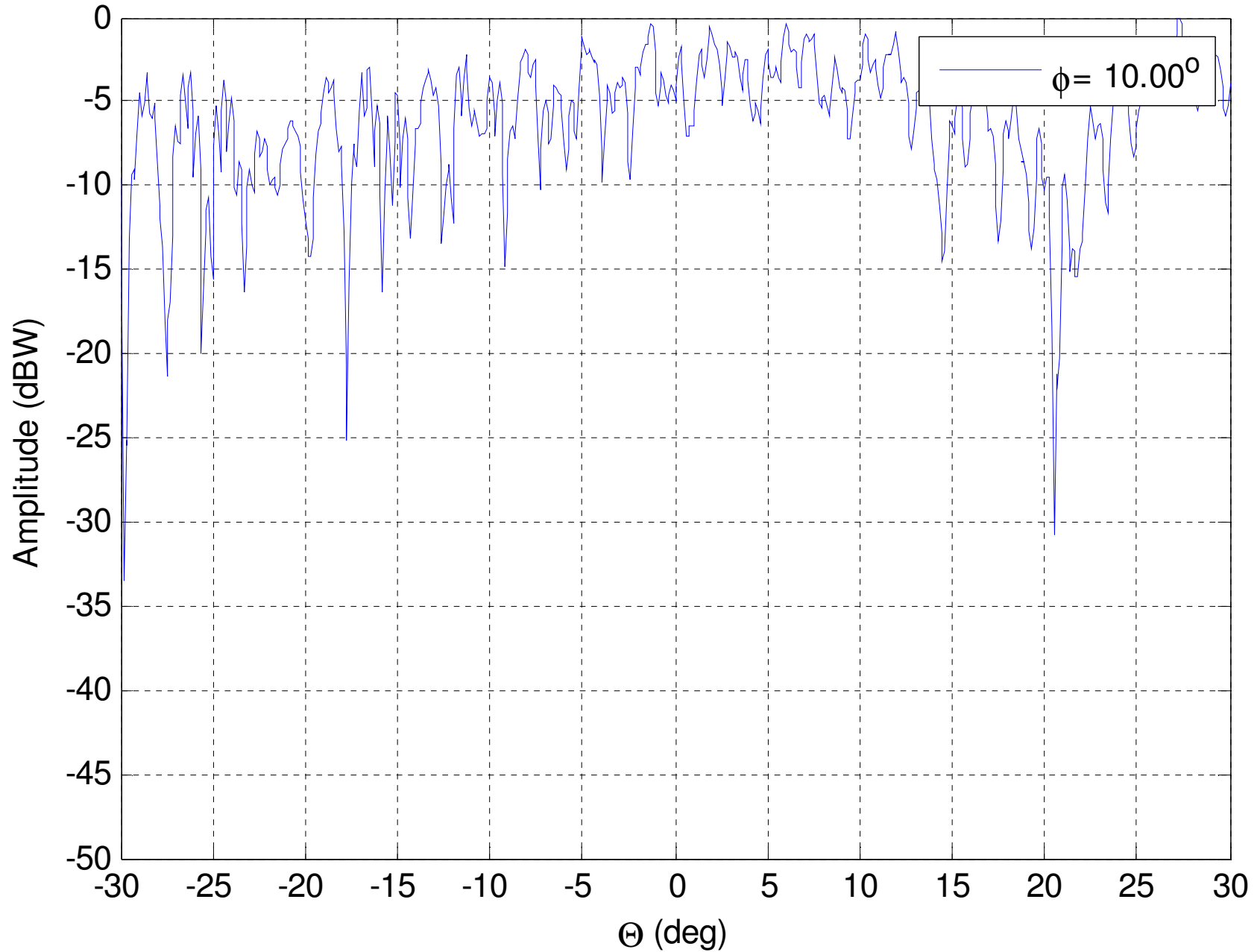
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-0.cut, Peak: -2.83 dBW, Date: 15-Sep-2011



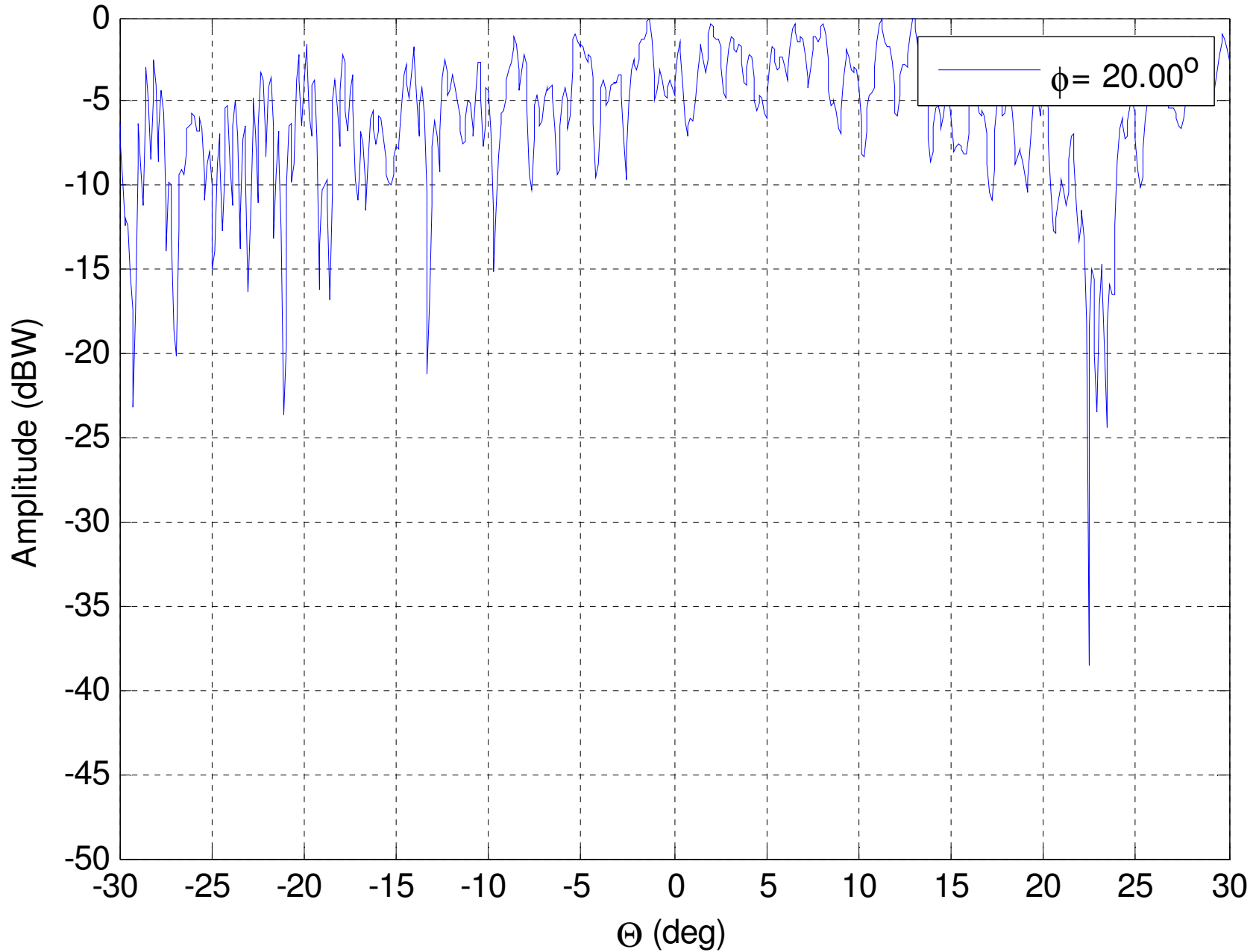
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-10.cut, Peak: -2.57 dBW, Date: 15-Sep-2011



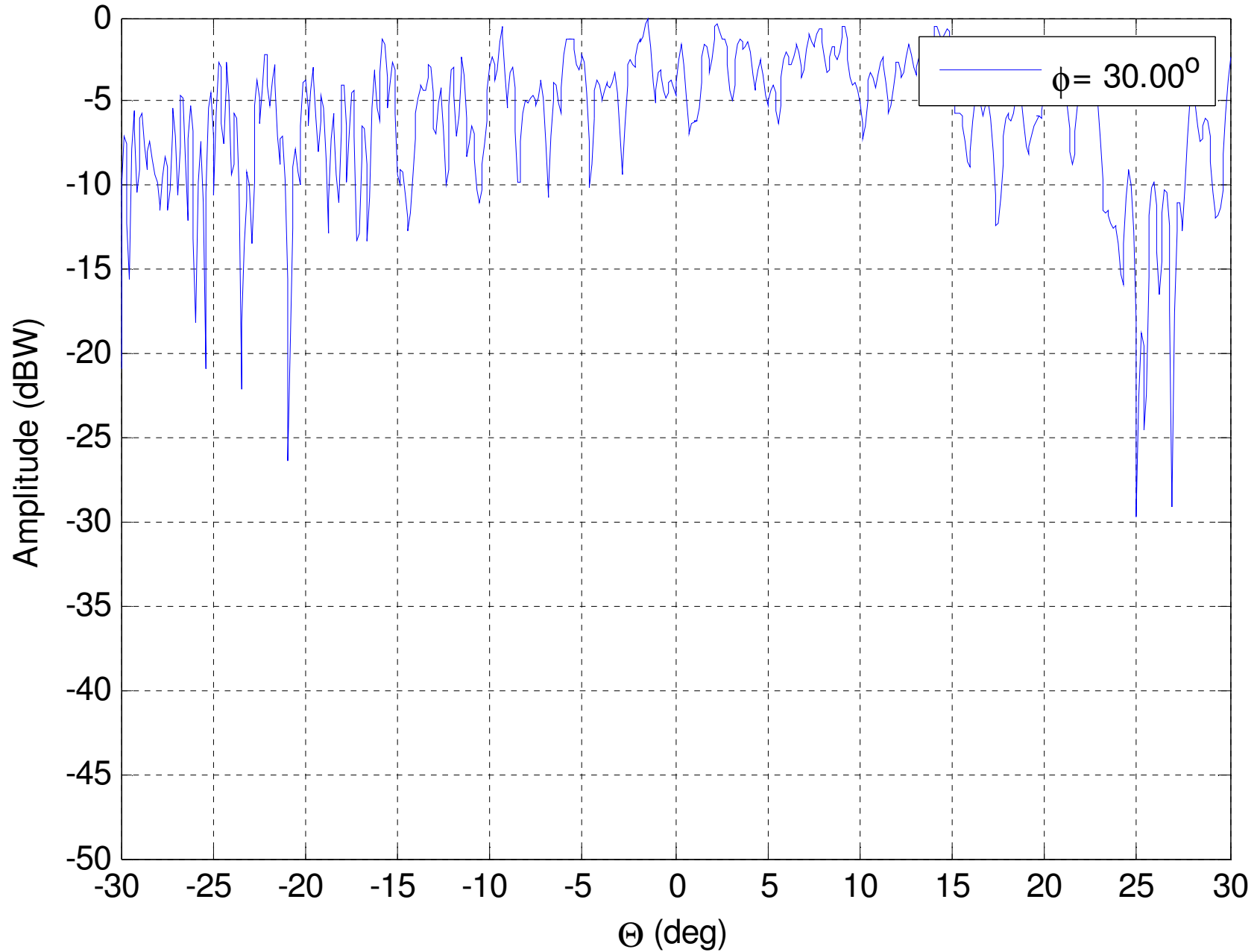
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-20.cut, Peak: -2.85 dBW, Date: 15-Sep-2011



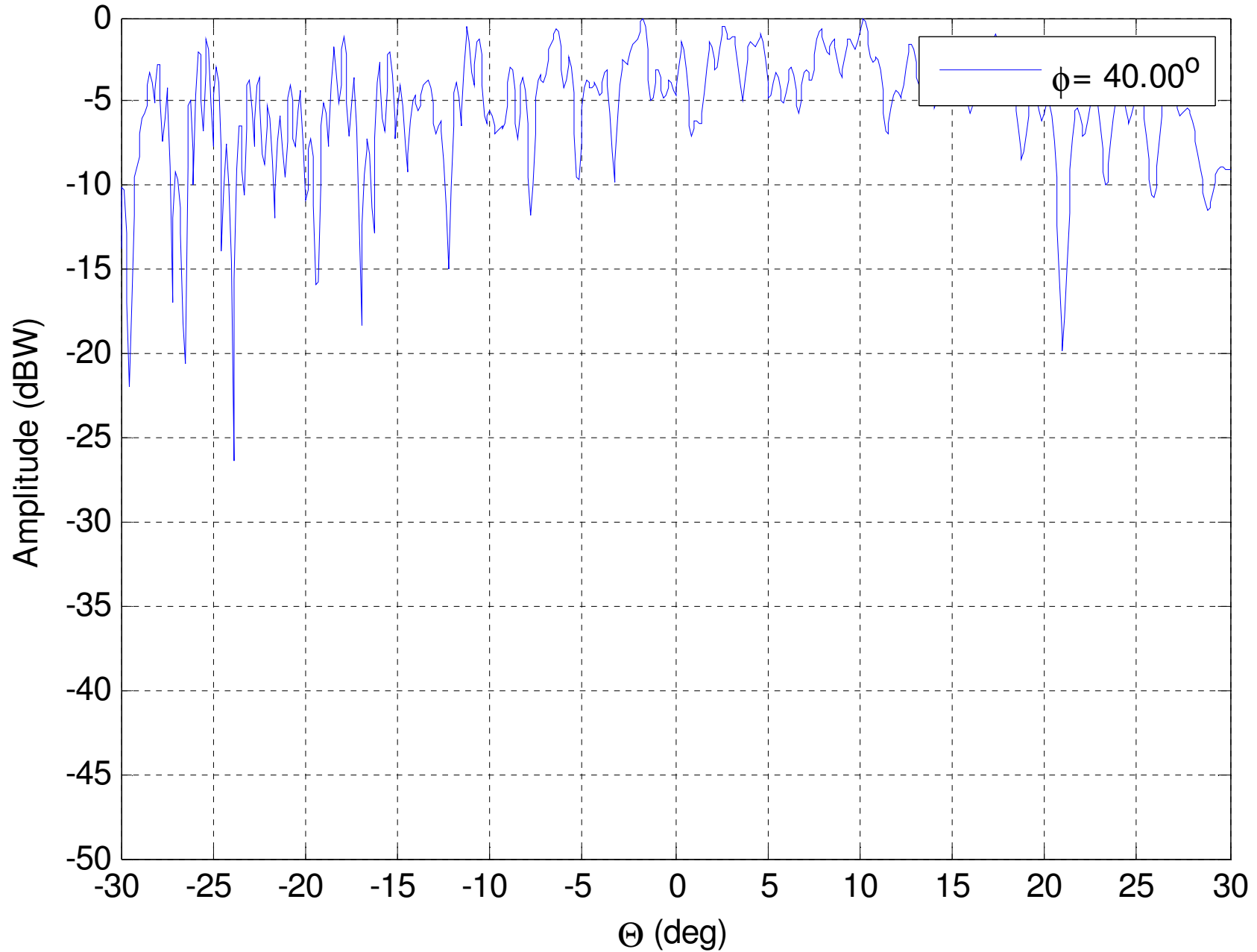
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-30.cut, Peak: -2.86 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

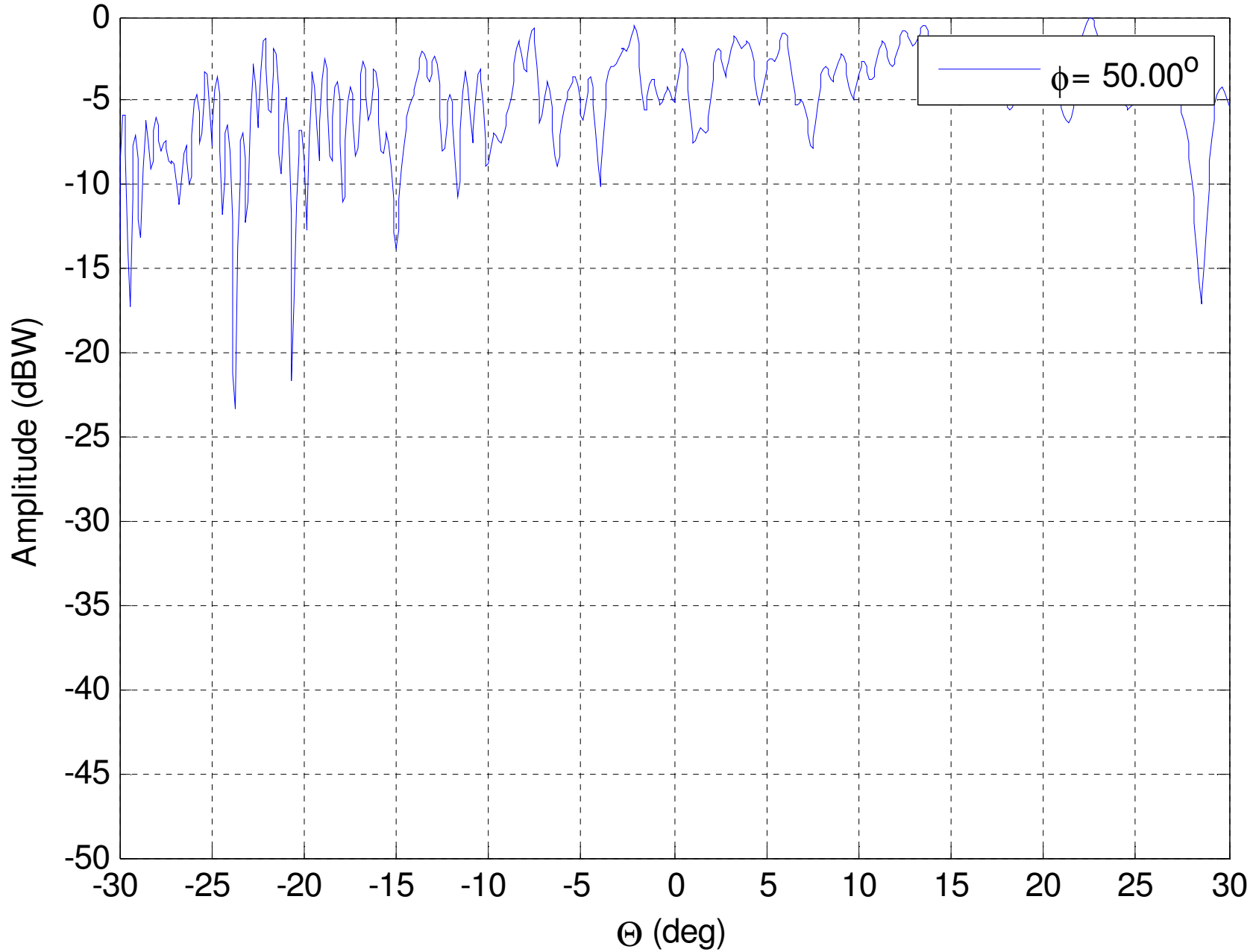
Input file: tx-17.3-rhcp-40.cut, Peak: -2.86 dBW, Date: 15-Sep-2011





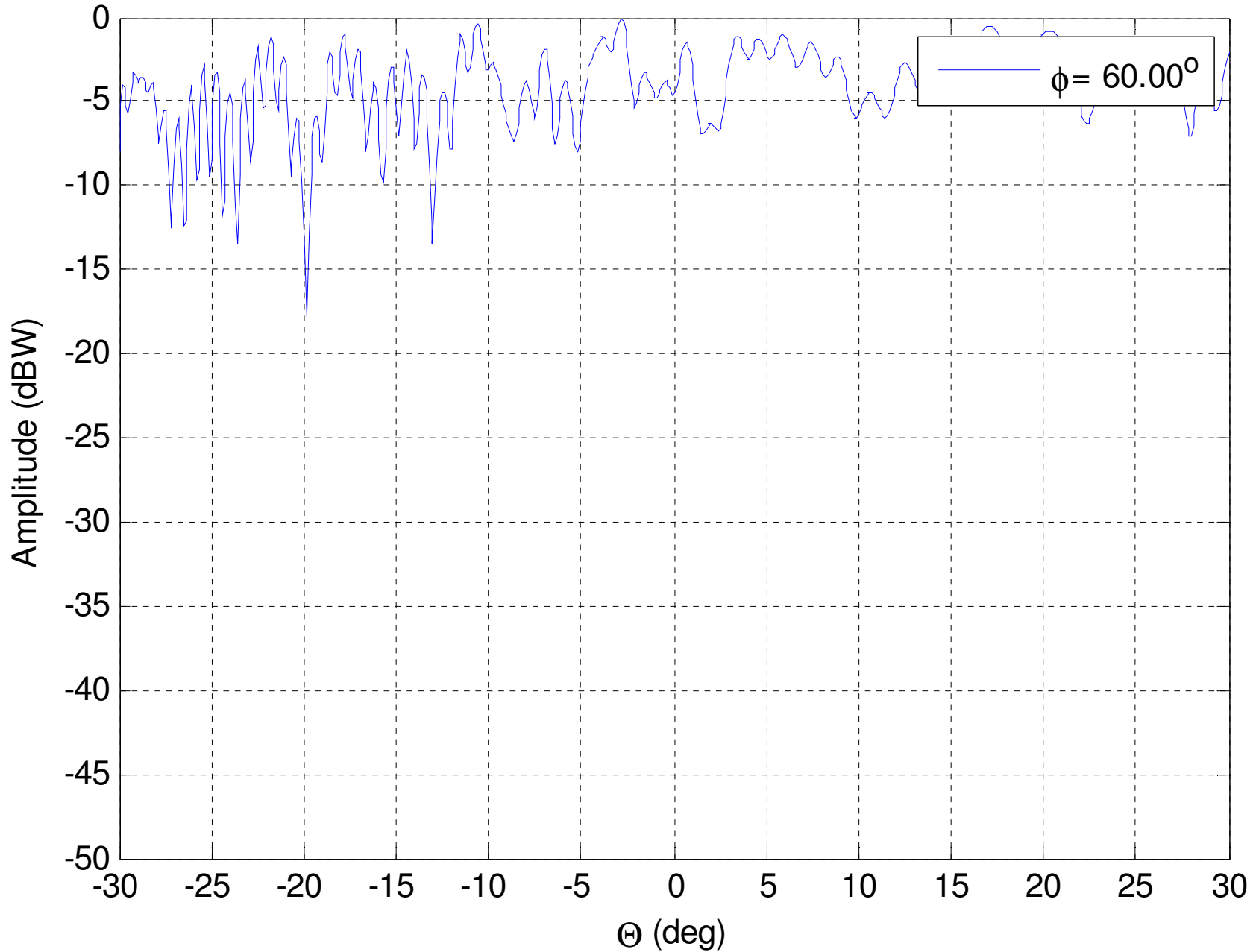
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-50.cut, Peak: -2.35 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

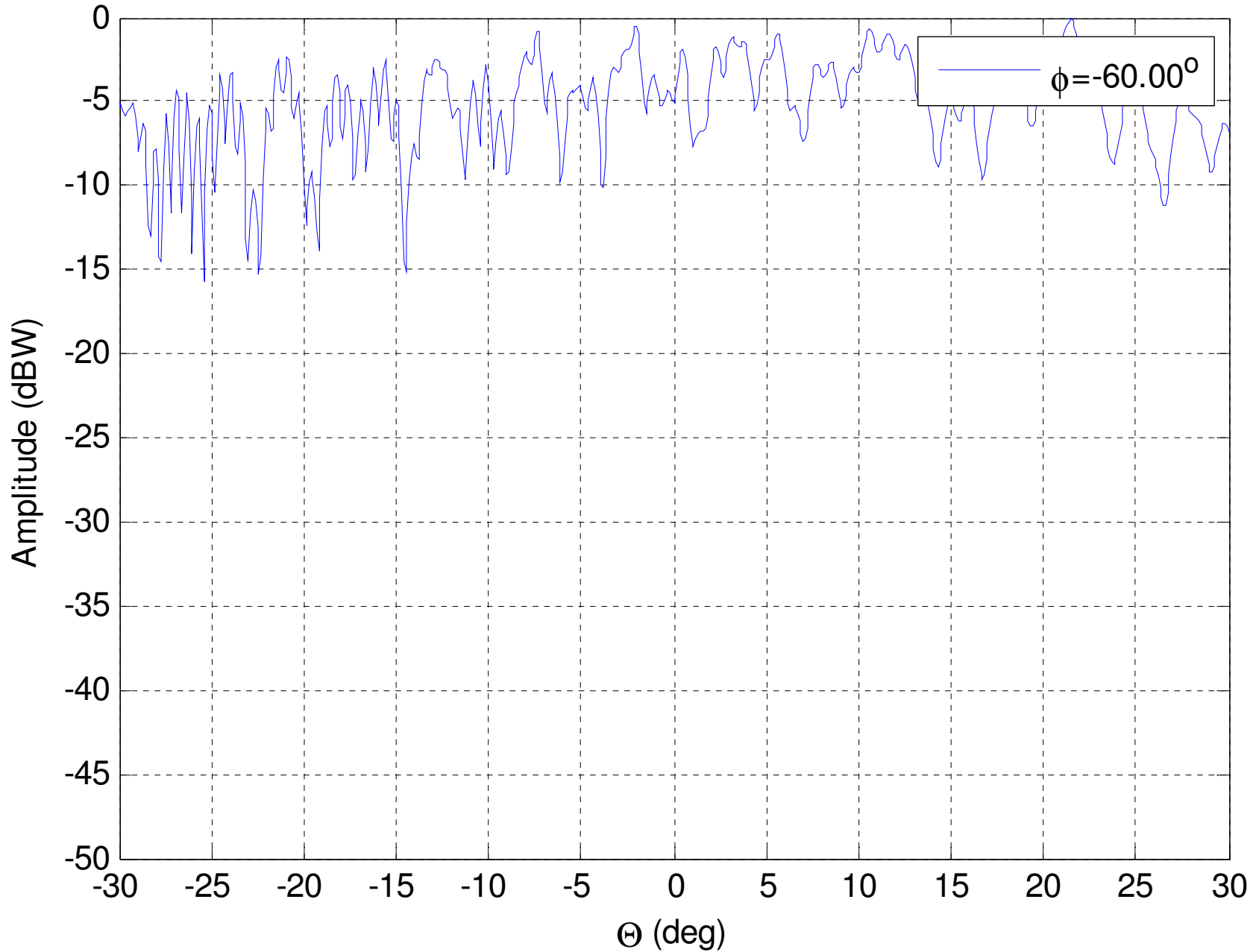
Input file: tx-17.3-rhcp-60.cut, Peak: -2.80 dBW, Date: 15-Sep-2011



# LHCP at 17.3 GHz

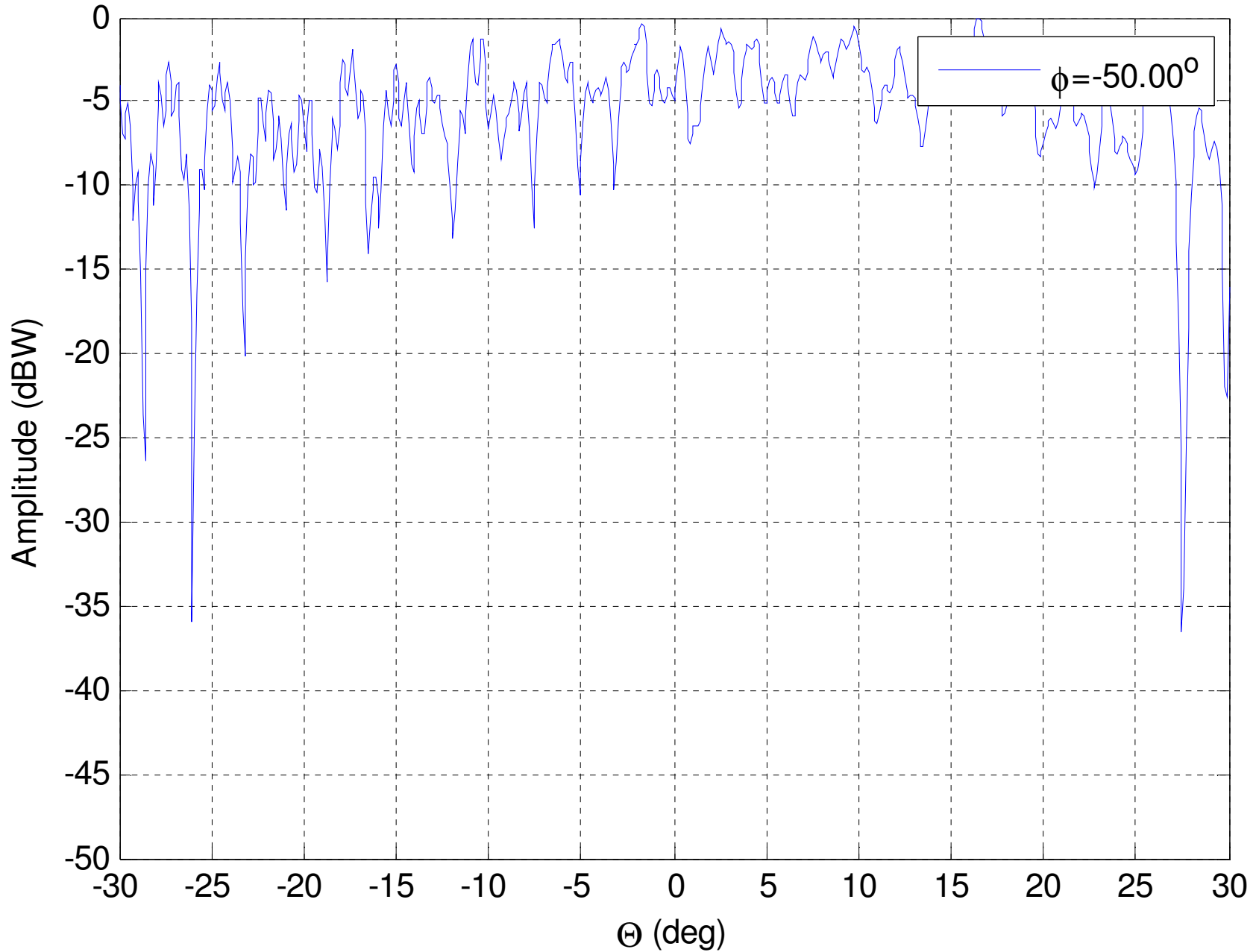
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--60.cut, Peak: -2.38 dBW, Date: 15-Sep-2011



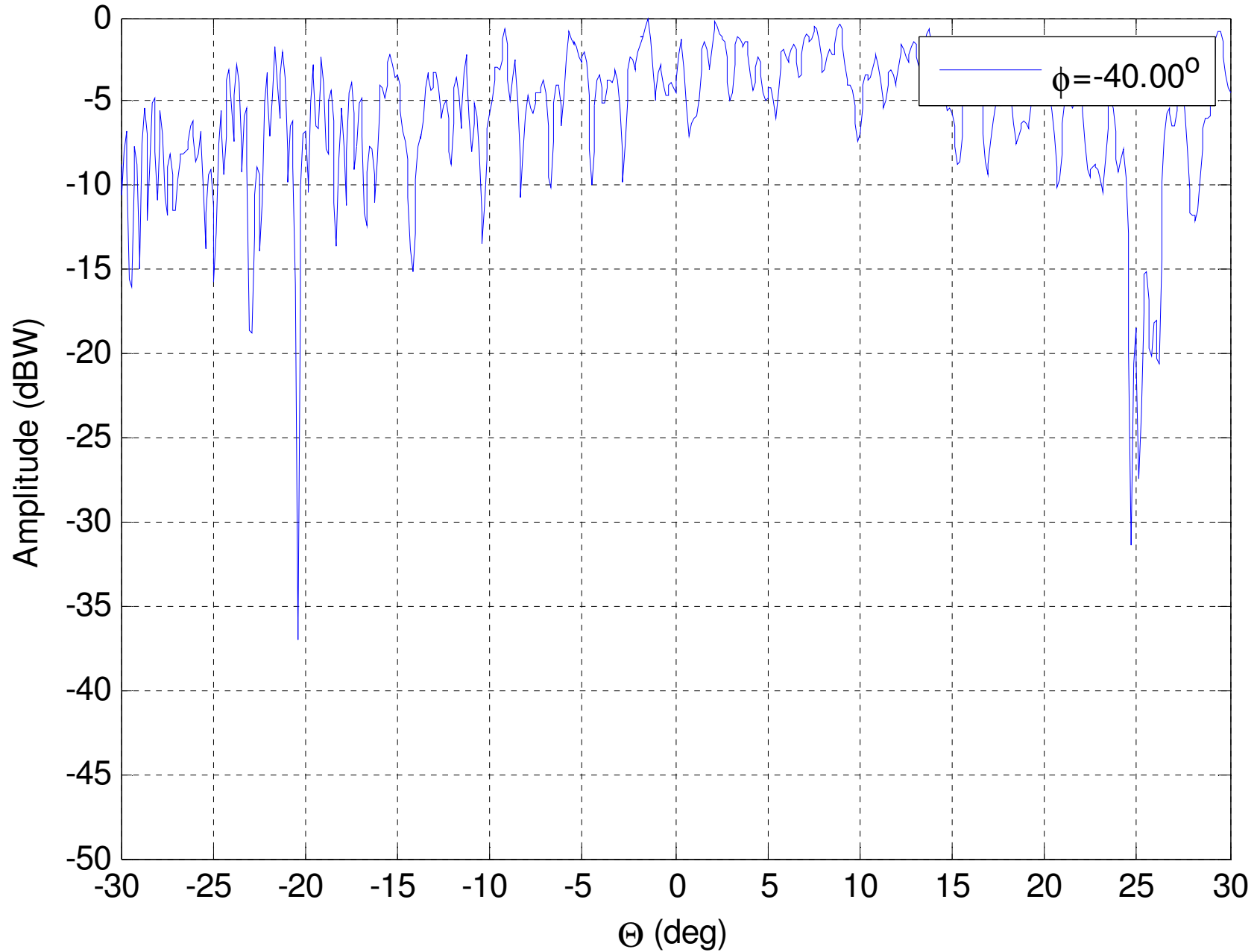
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--50.cut, Peak: -2.57 dBW, Date: 15-Sep-2011



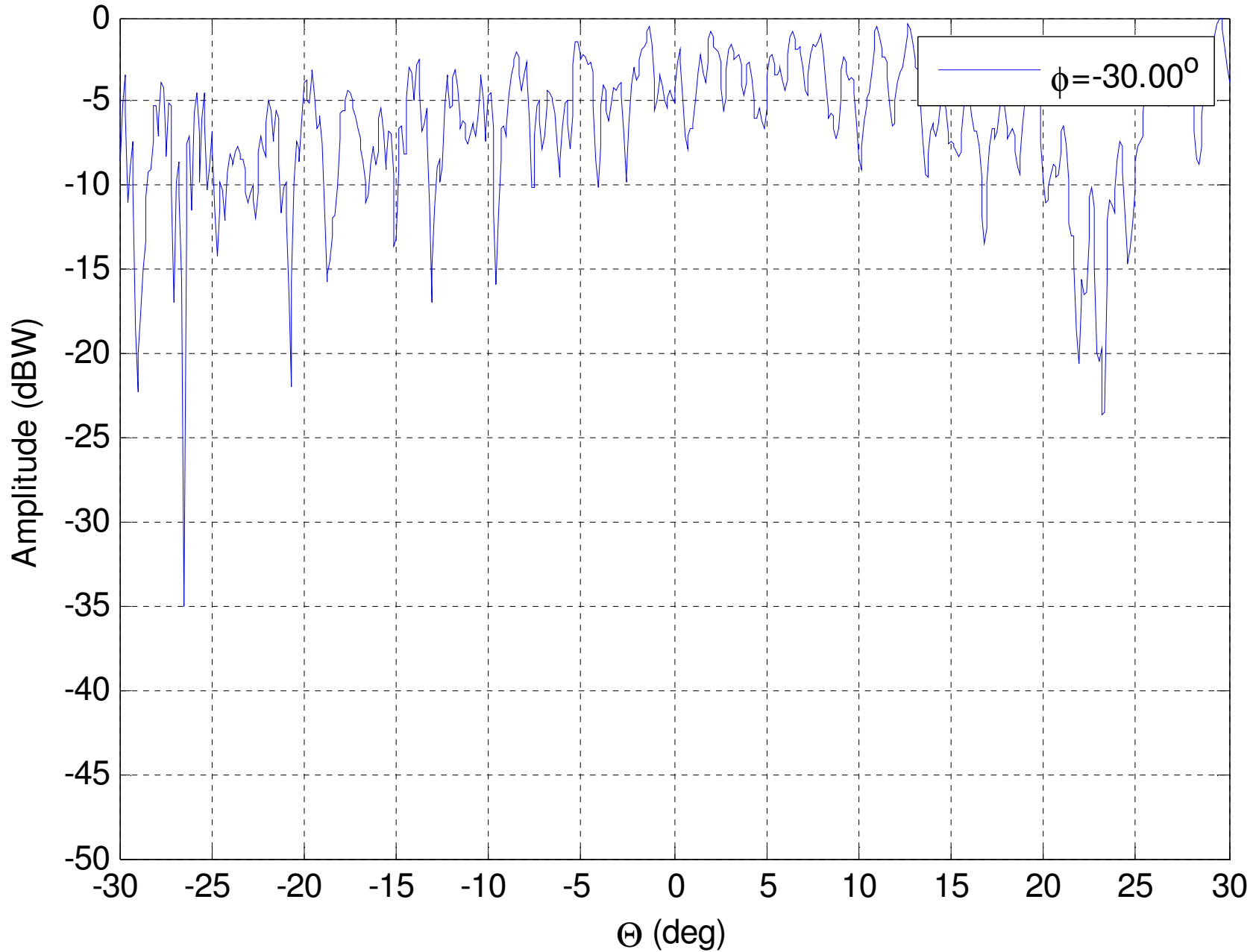
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--40.cut, Peak: -2.93 dBW, Date: 15-Sep-2011



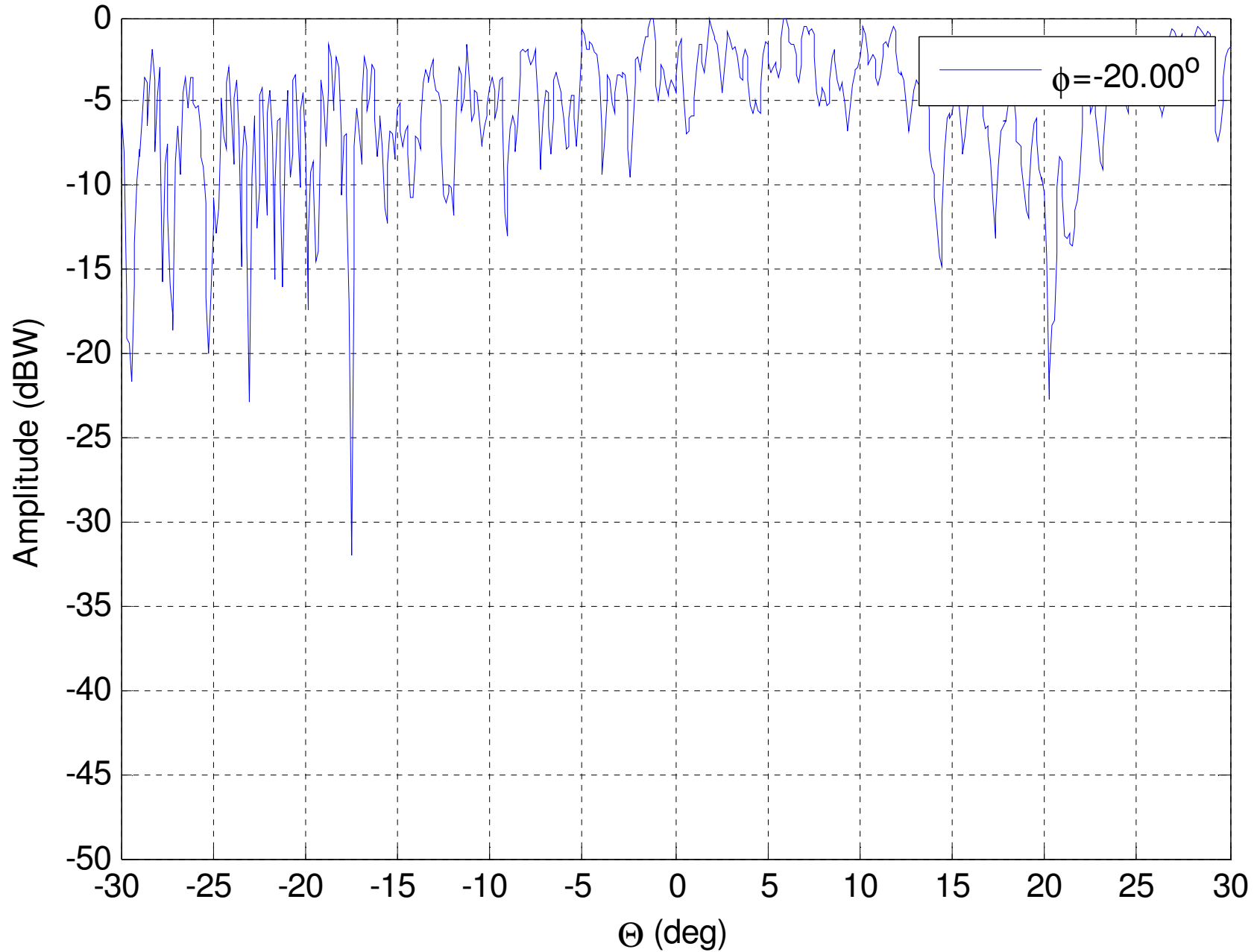
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--30.cut, Peak: -2.34 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

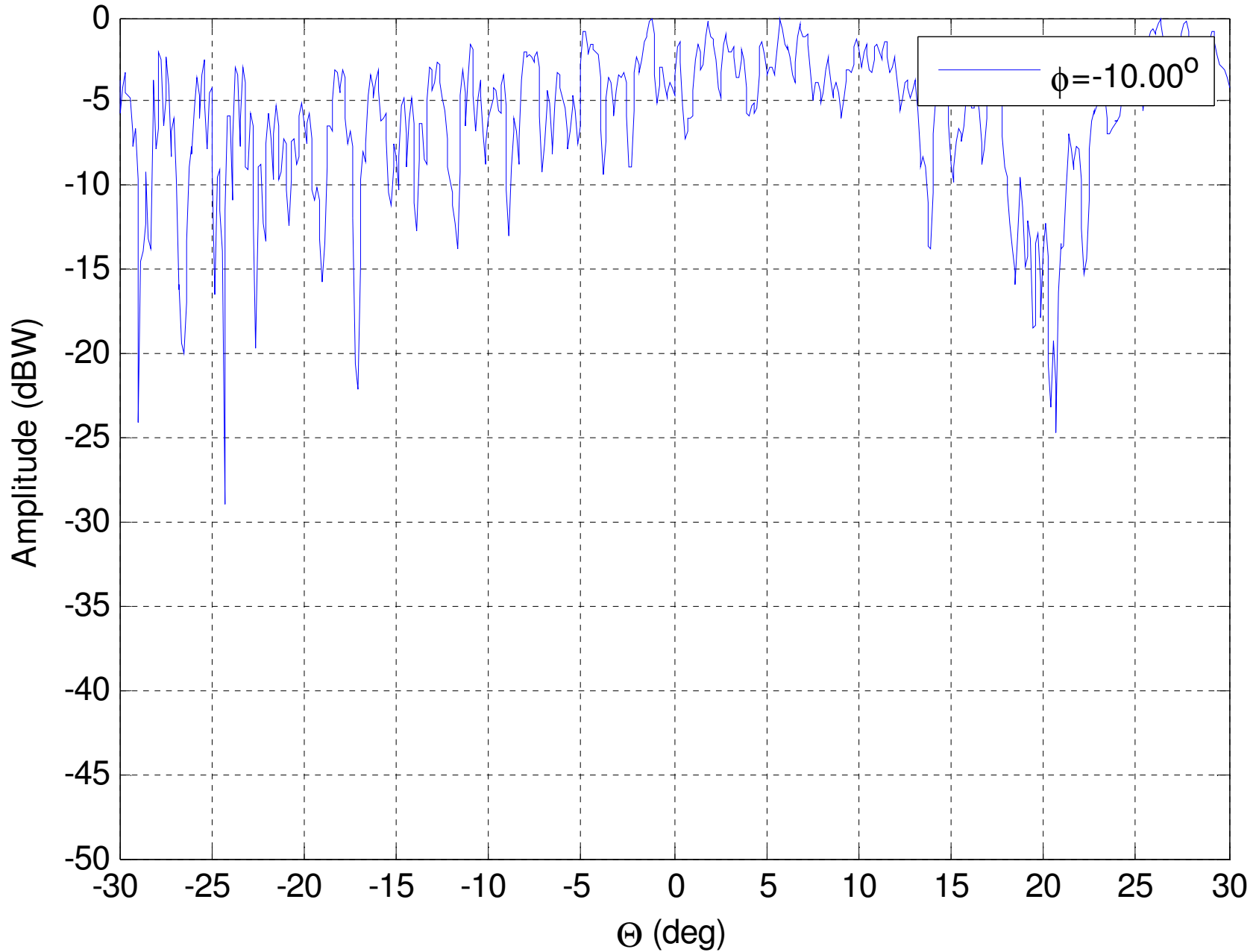
Input file: tx-17.3-lhcp--20.cut, Peak: -3.00 dBW, Date: 15-Sep-2011





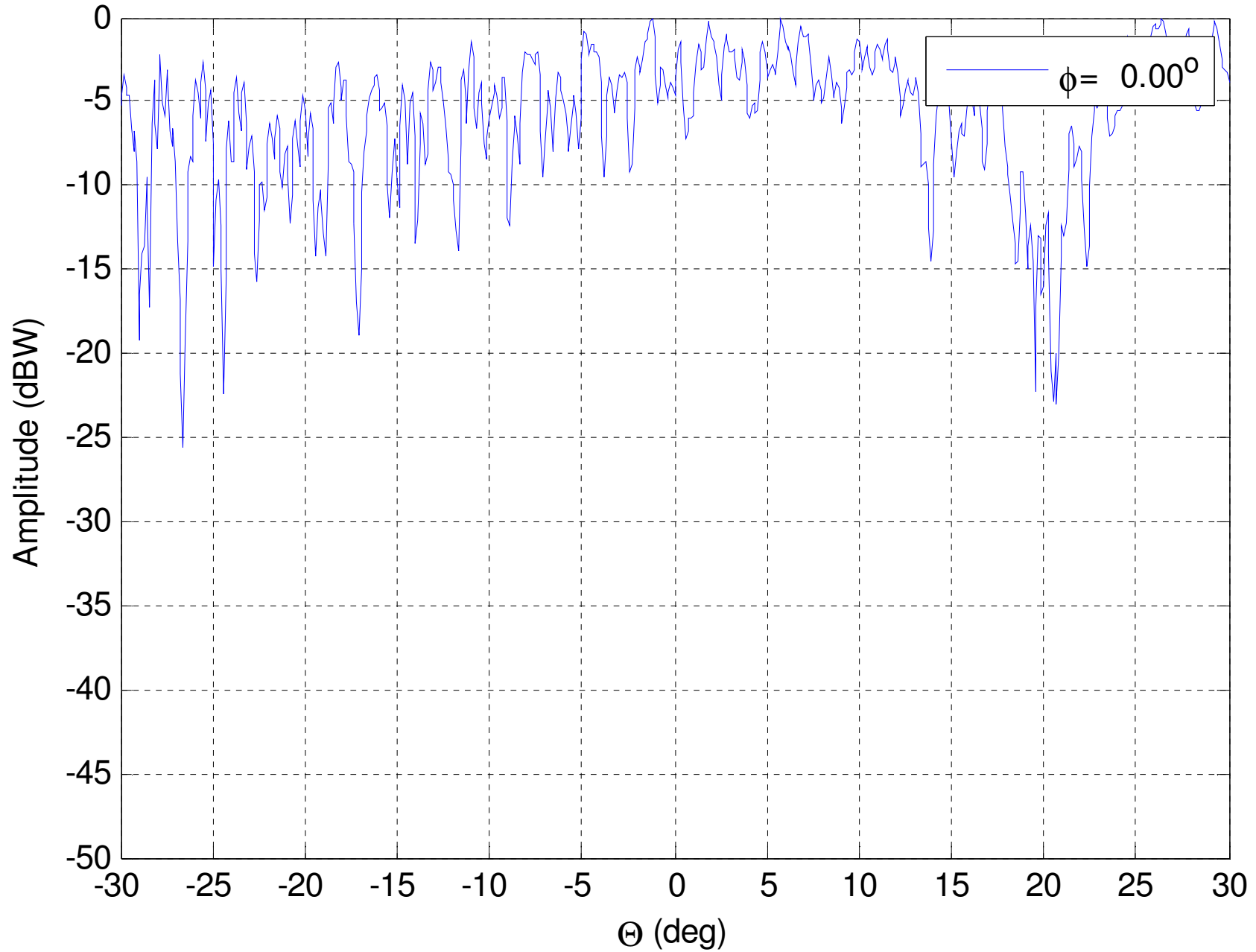
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--10.cut, Peak: -2.90 dBW, Date: 15-Sep-2011



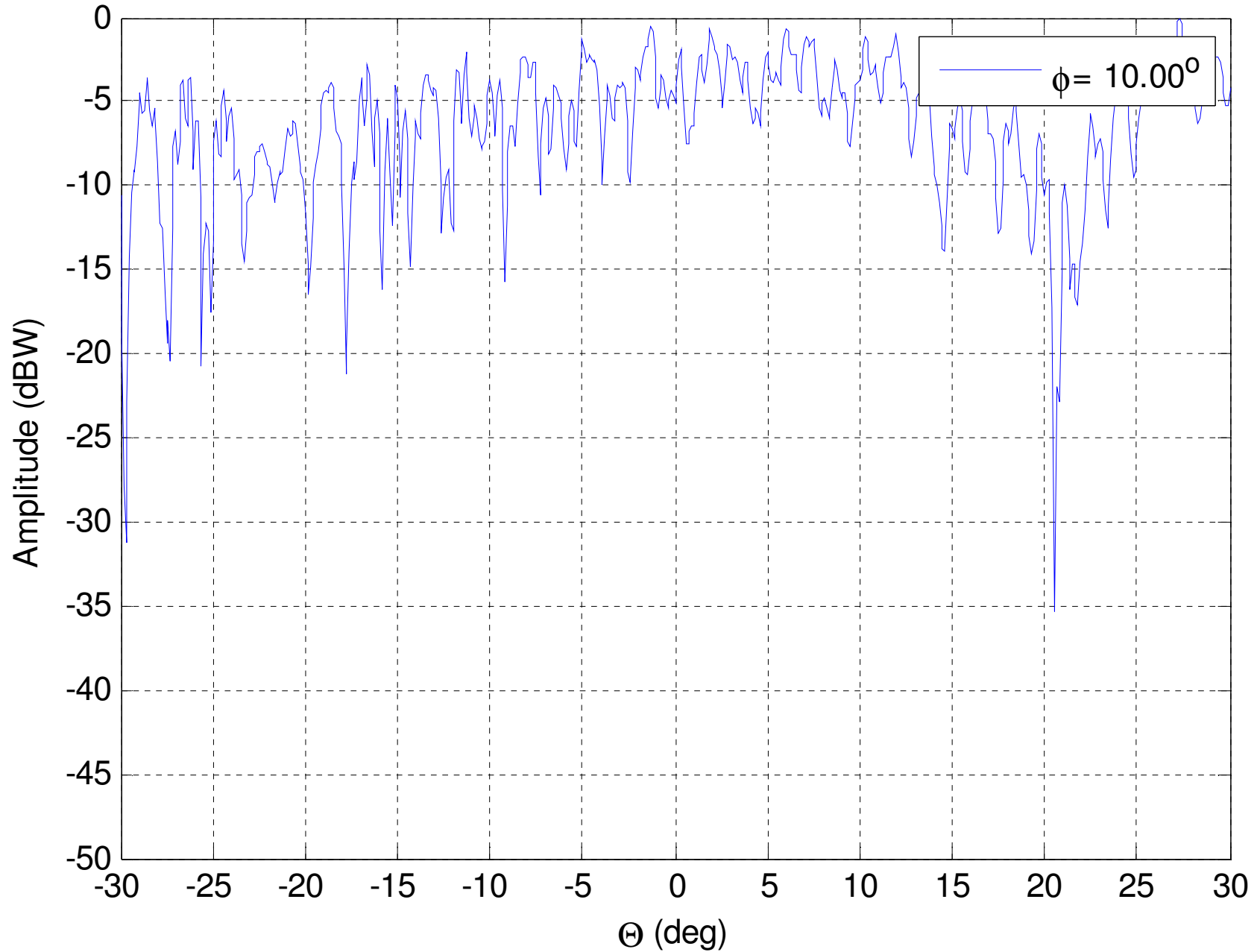
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-0.cut, Peak: -2.87 dBW, Date: 15-Sep-2011



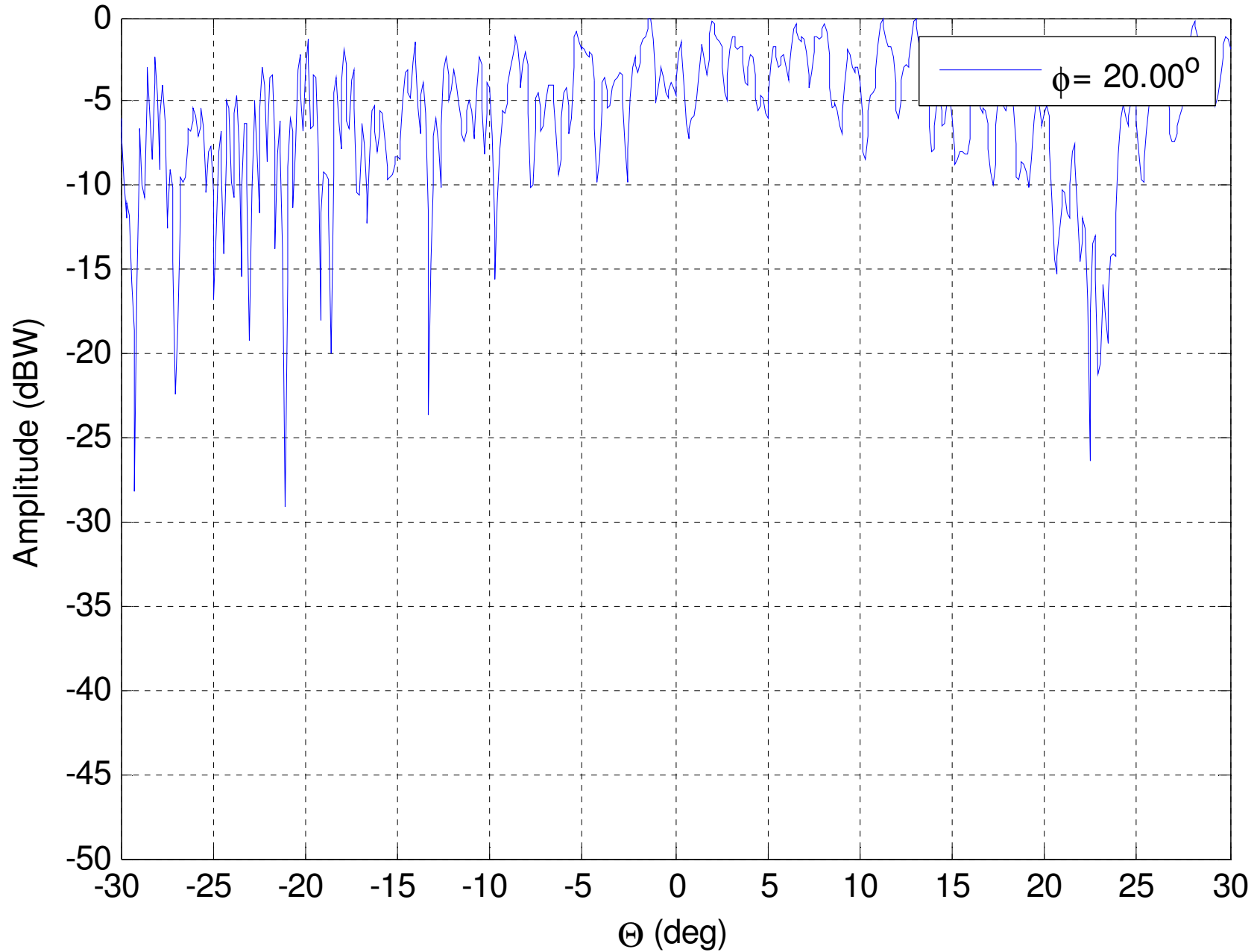
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-10.cut, Peak: -2.35 dBW, Date: 15-Sep-2011



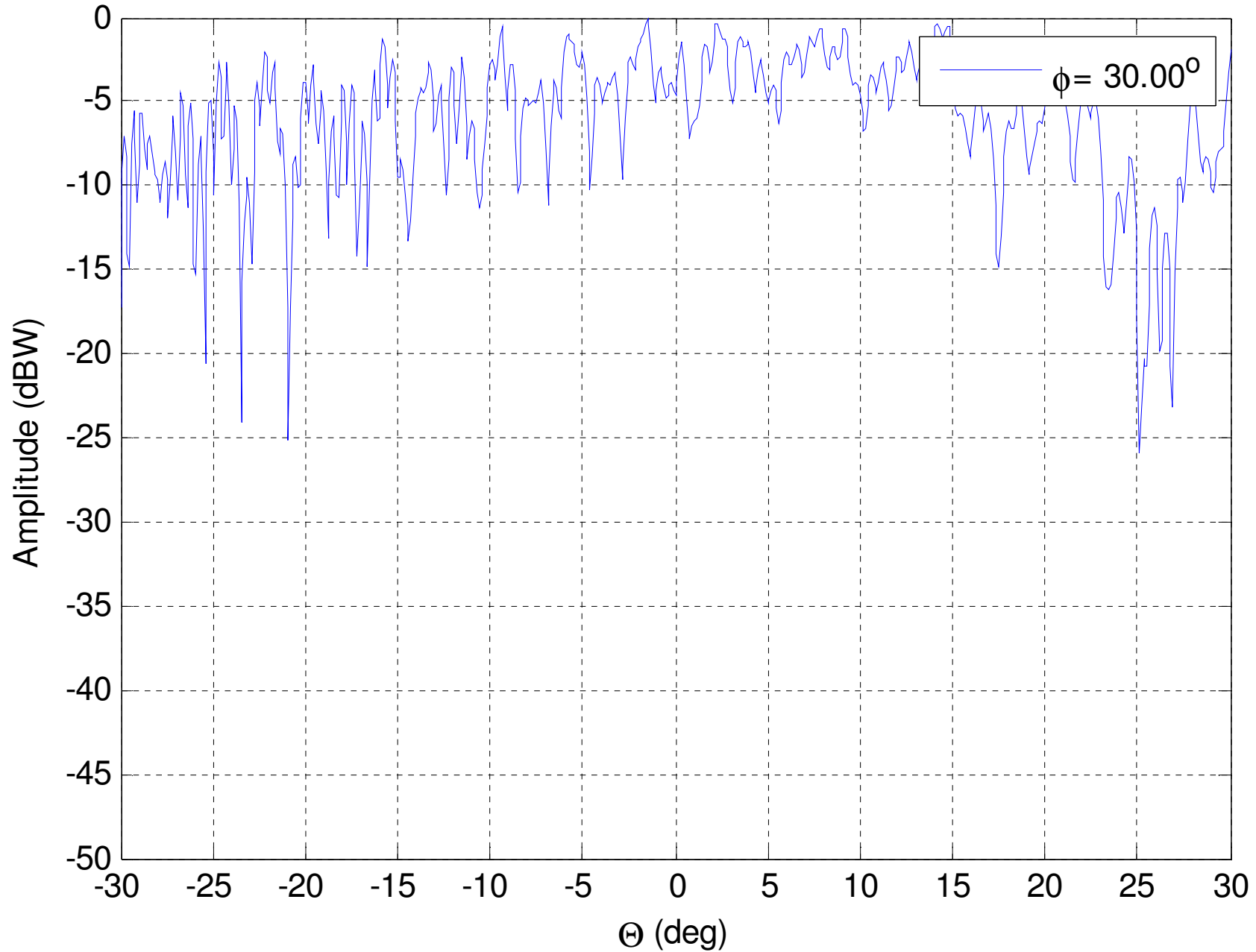
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-20.cut, Peak: -2.87 dBW, Date: 15-Sep-2011



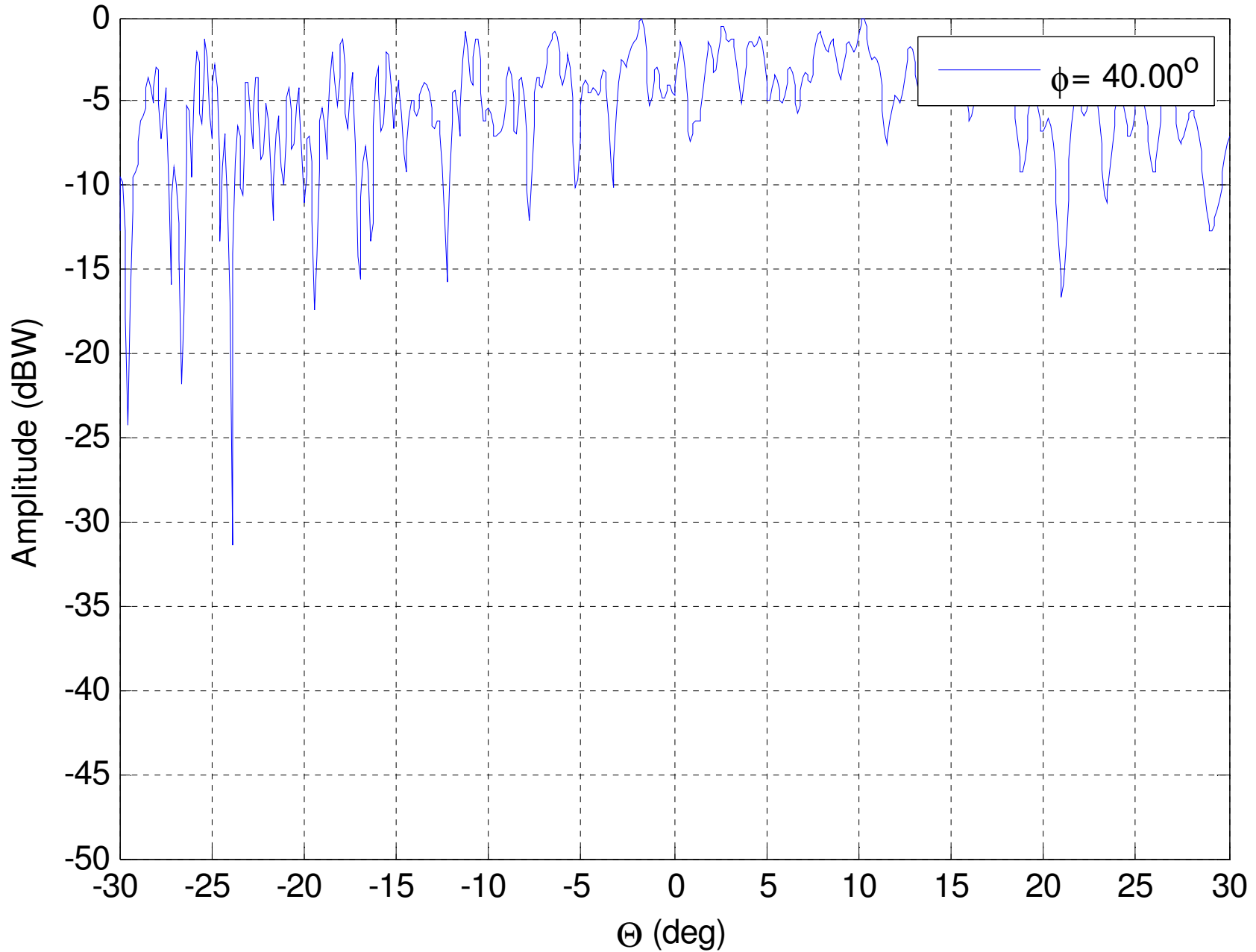
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-30.cut, Peak: -2.85 dBW, Date: 15-Sep-2011



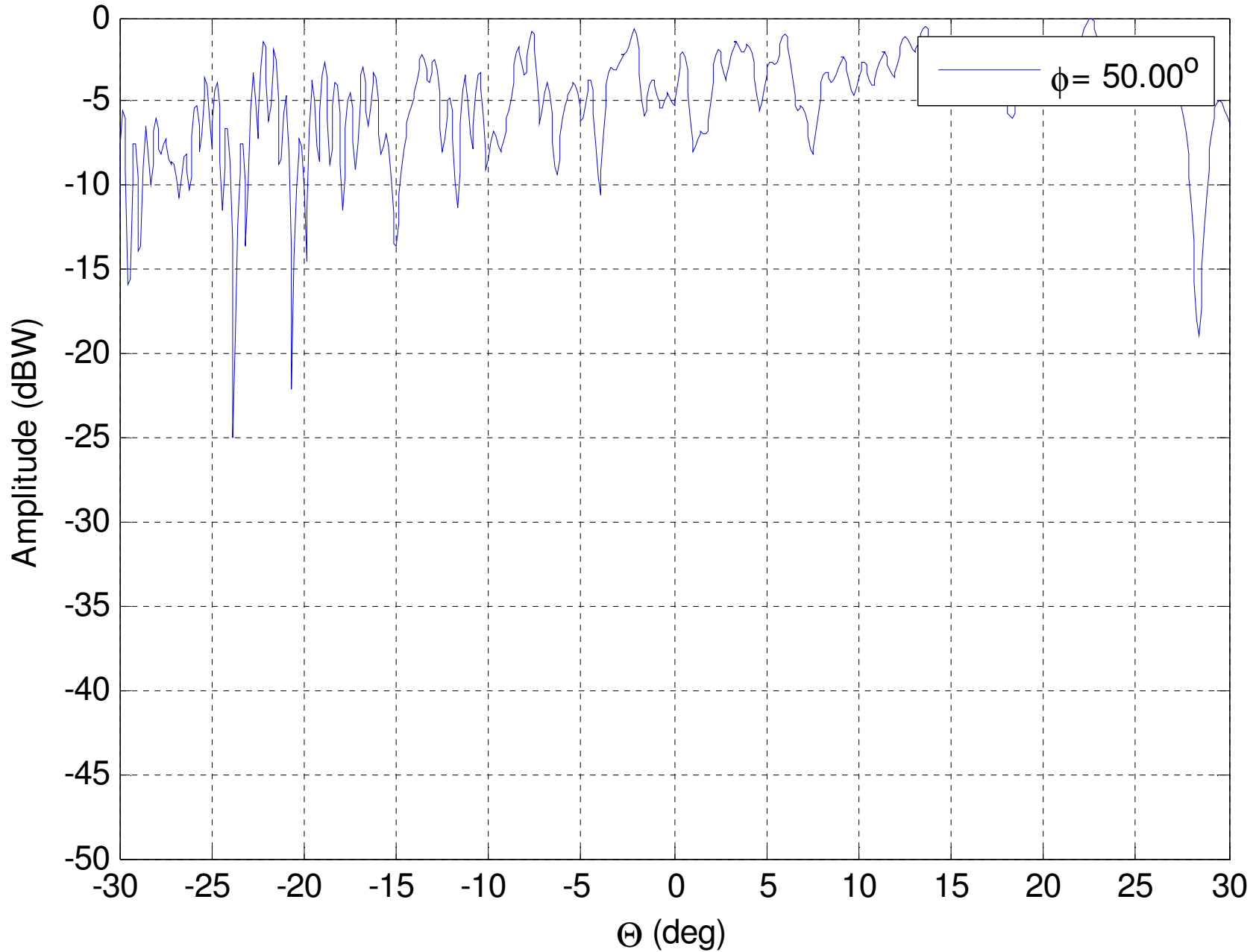
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-40.cut, Peak: -2.79 dBW, Date: 15-Sep-2011



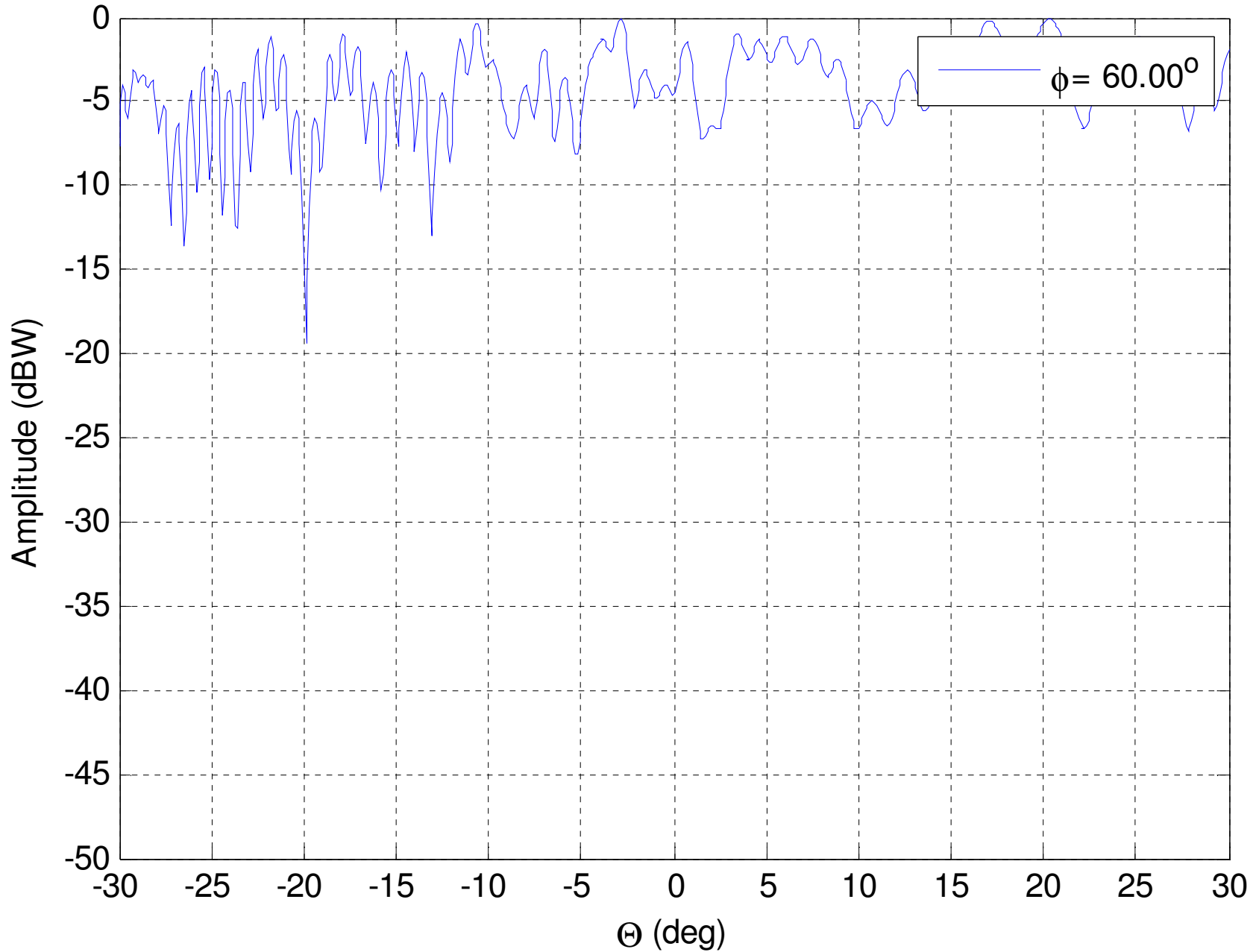
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-50.cut, Peak: -2.20 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-60.cut, Peak: -2.77 dBW, Date: 15-Sep-2011

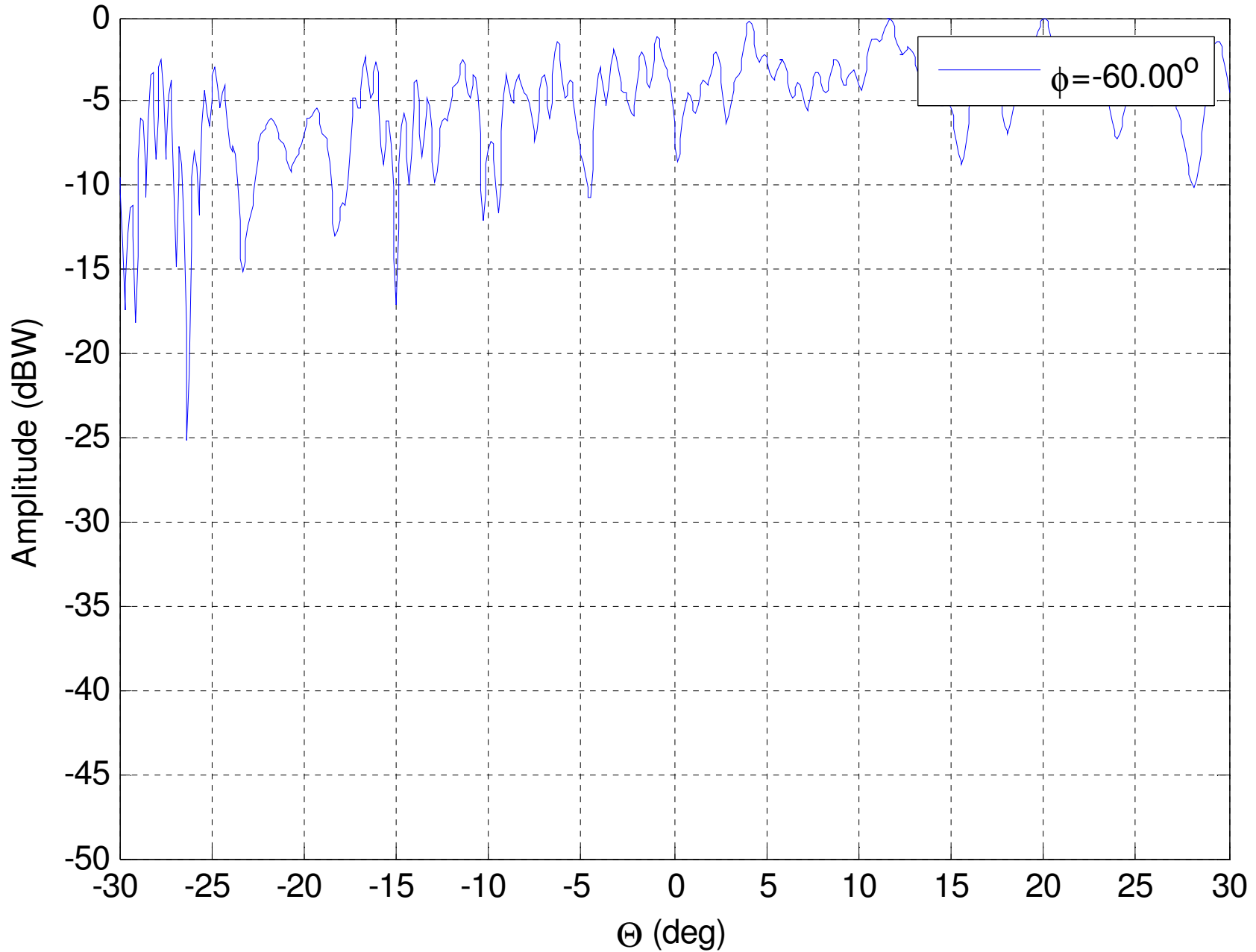




# RHCP at 17.5 GHz

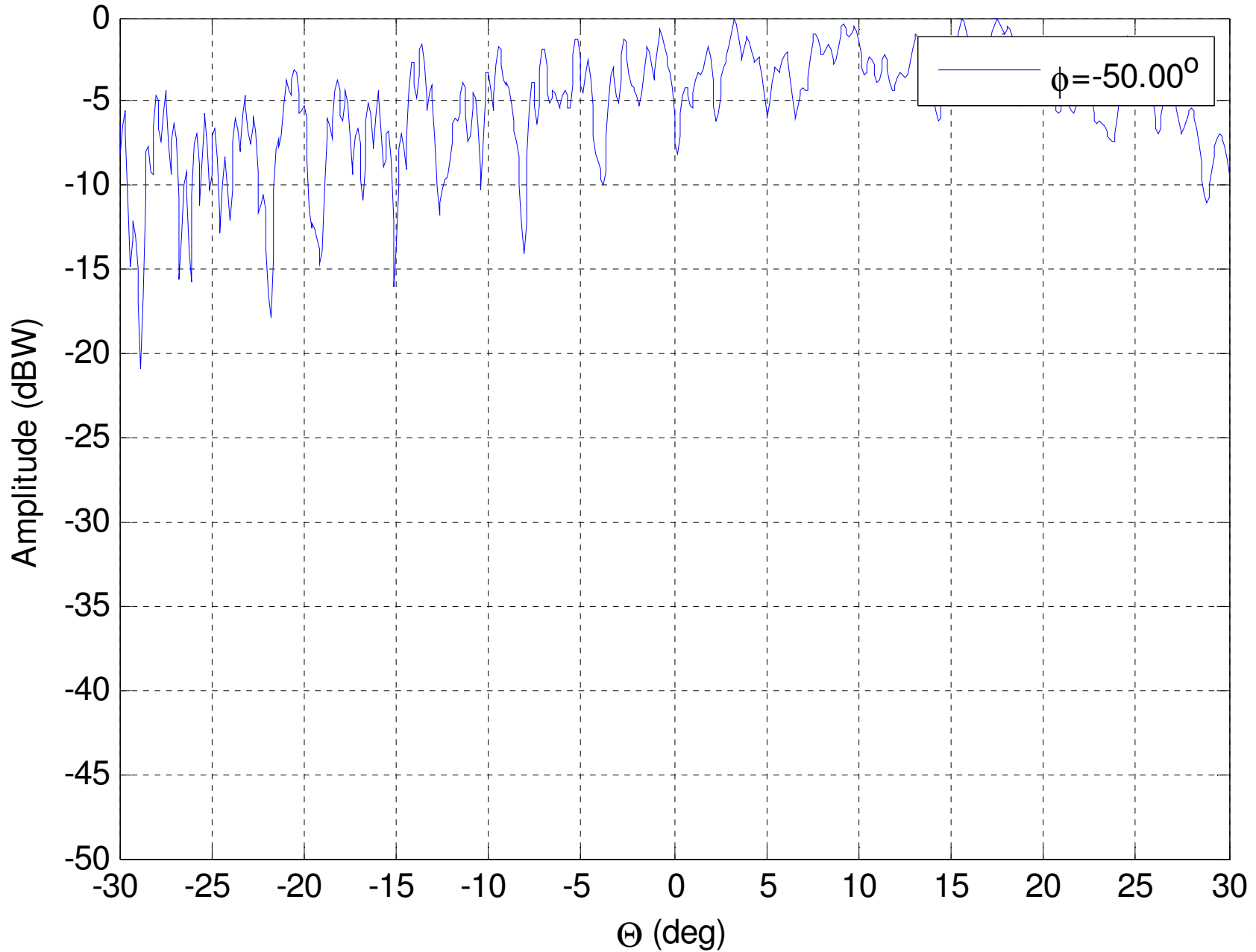
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--60.cut, Peak: -2.19 dBW, Date: 15-Sep-2011



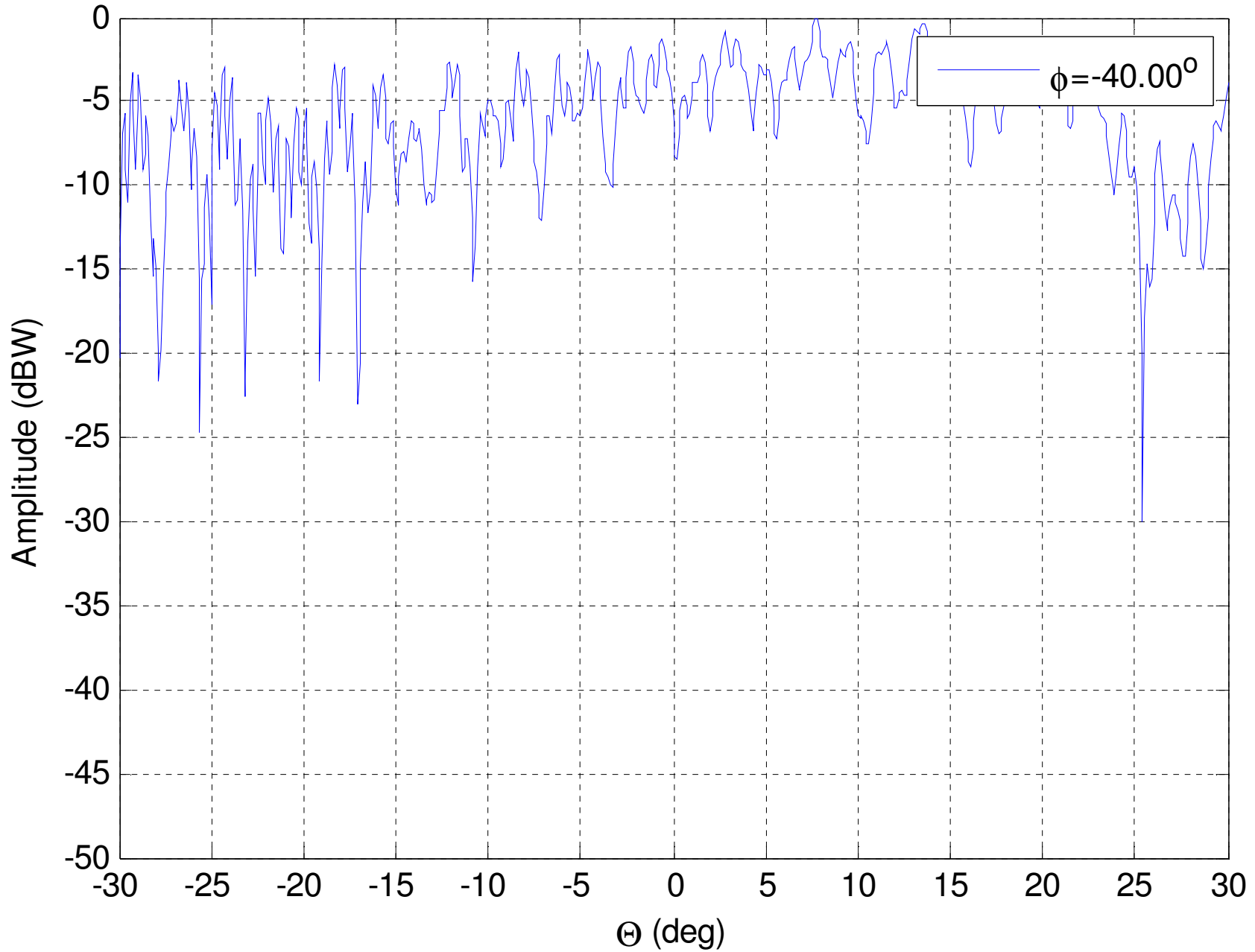
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--50.cut, Peak: -2.61 dBW, Date: 15-Sep-2011



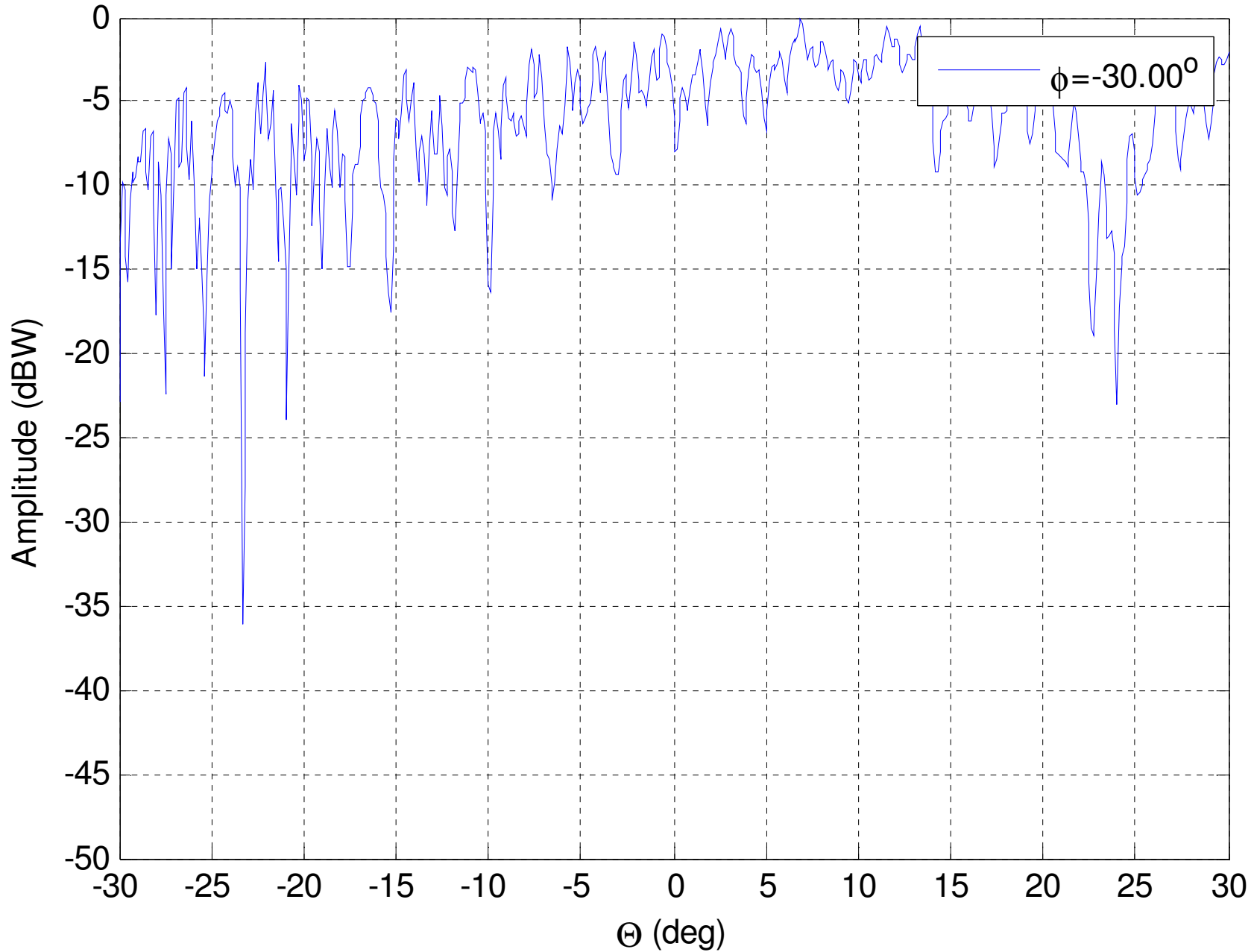
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--40.cut, Peak: -2.10 dBW, Date: 15-Sep-2011



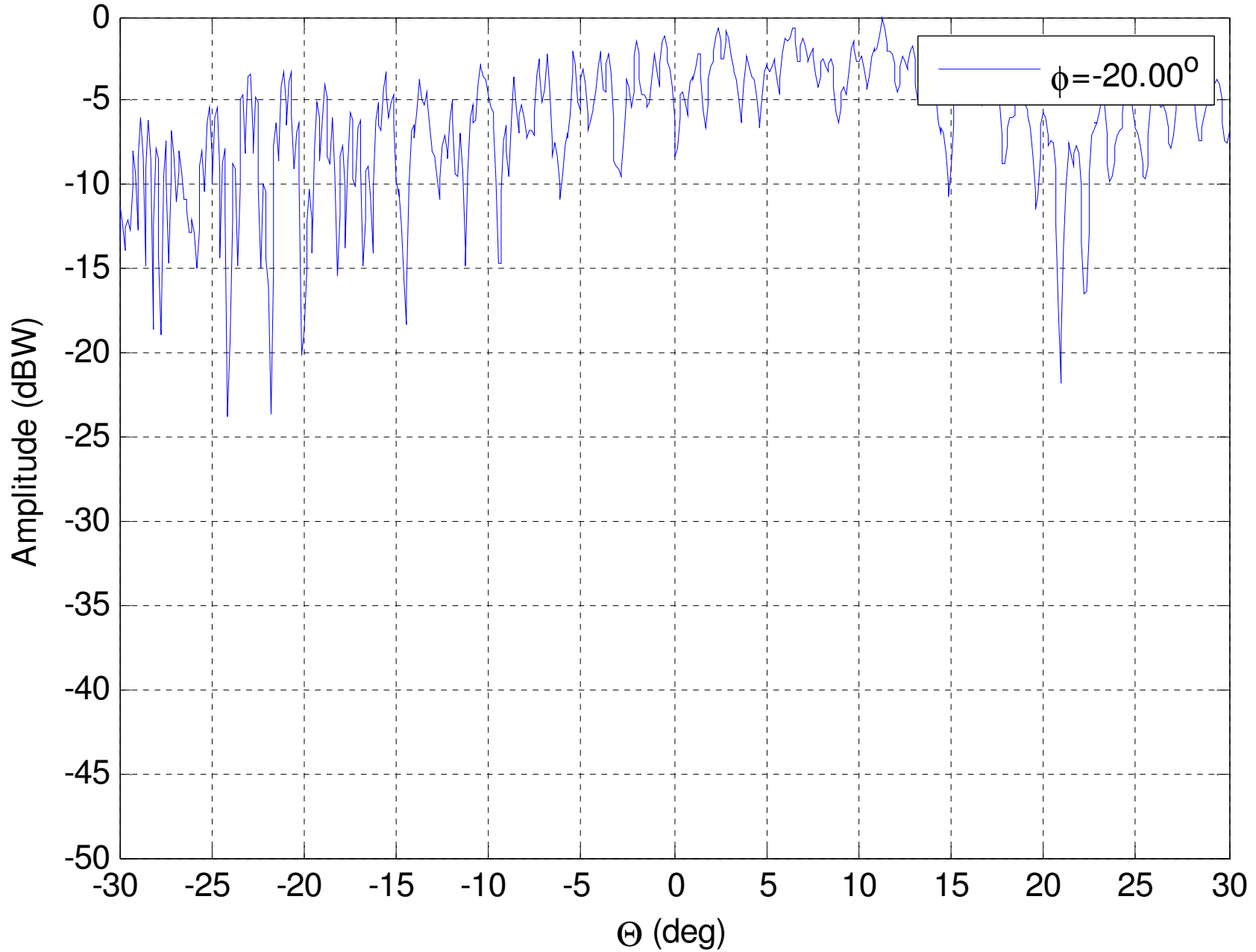
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--30.cut, Peak: -2.46 dBW, Date: 15-Sep-2011



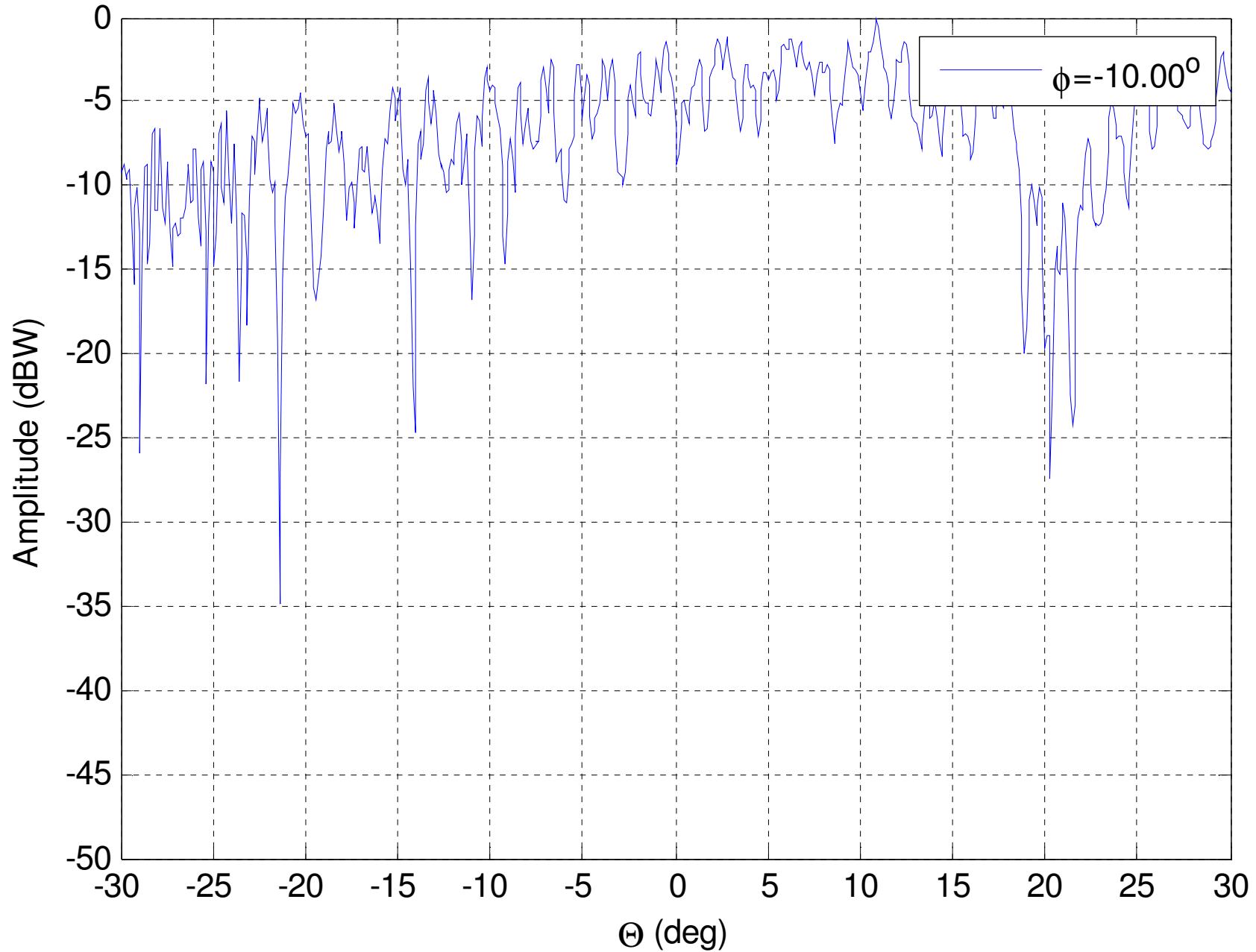
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--20.cut, Peak: -2.29 dBW, Date: 15-Sep-2011



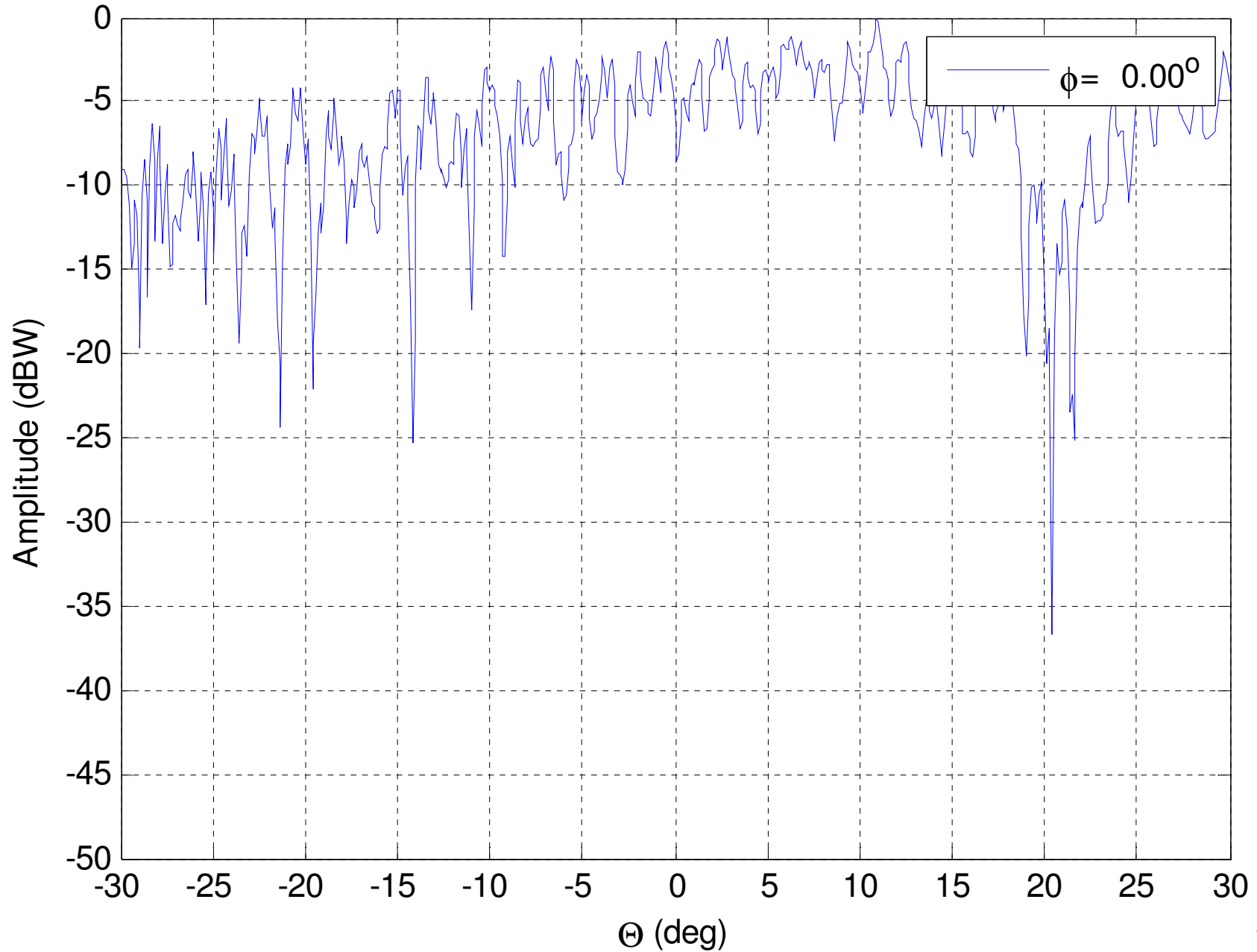
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--10.cut, Peak: -1.88 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

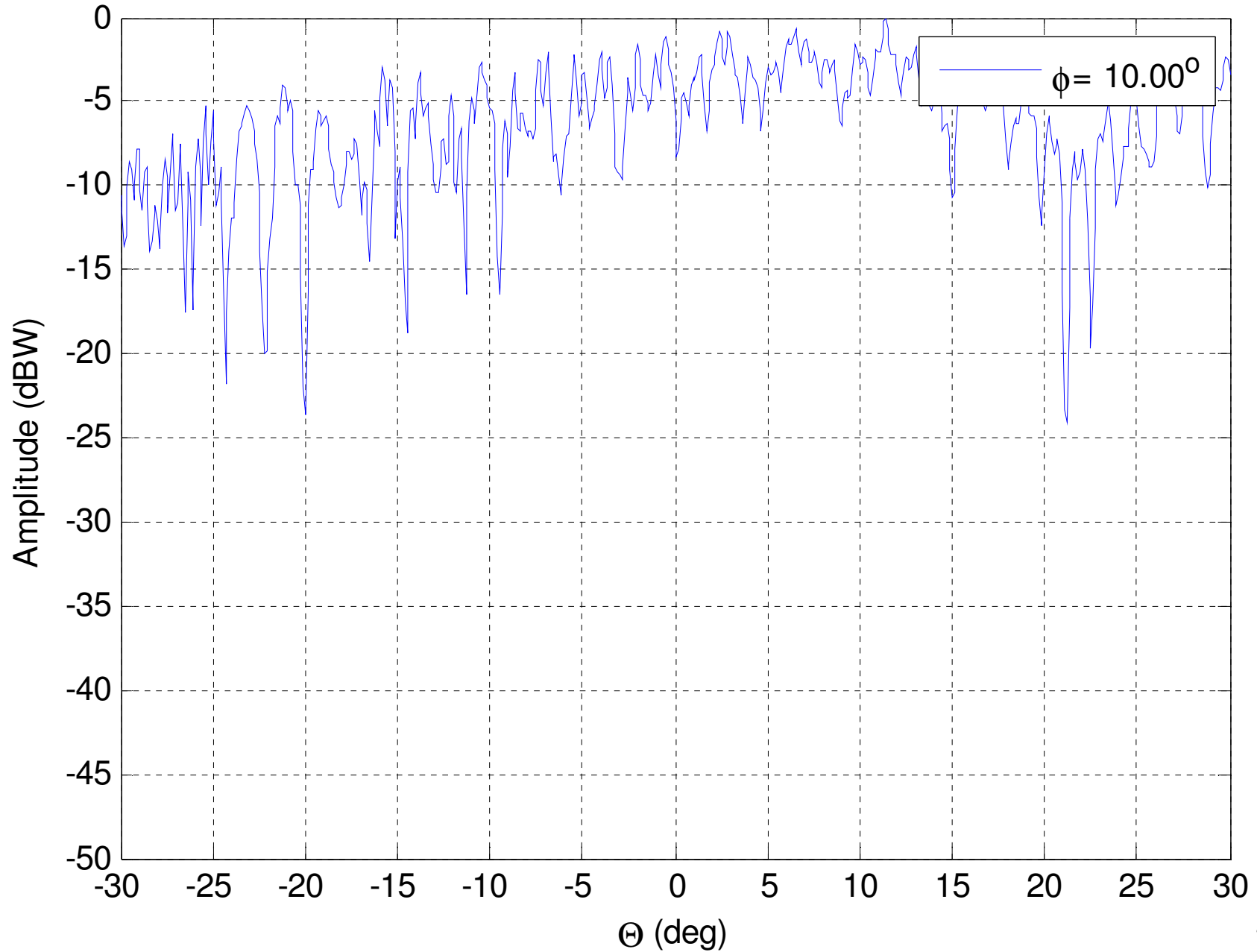
Input file: tx-17.5-rhcp-0.cut, Peak: -1.91 dBW, Date: 15-Sep-2011





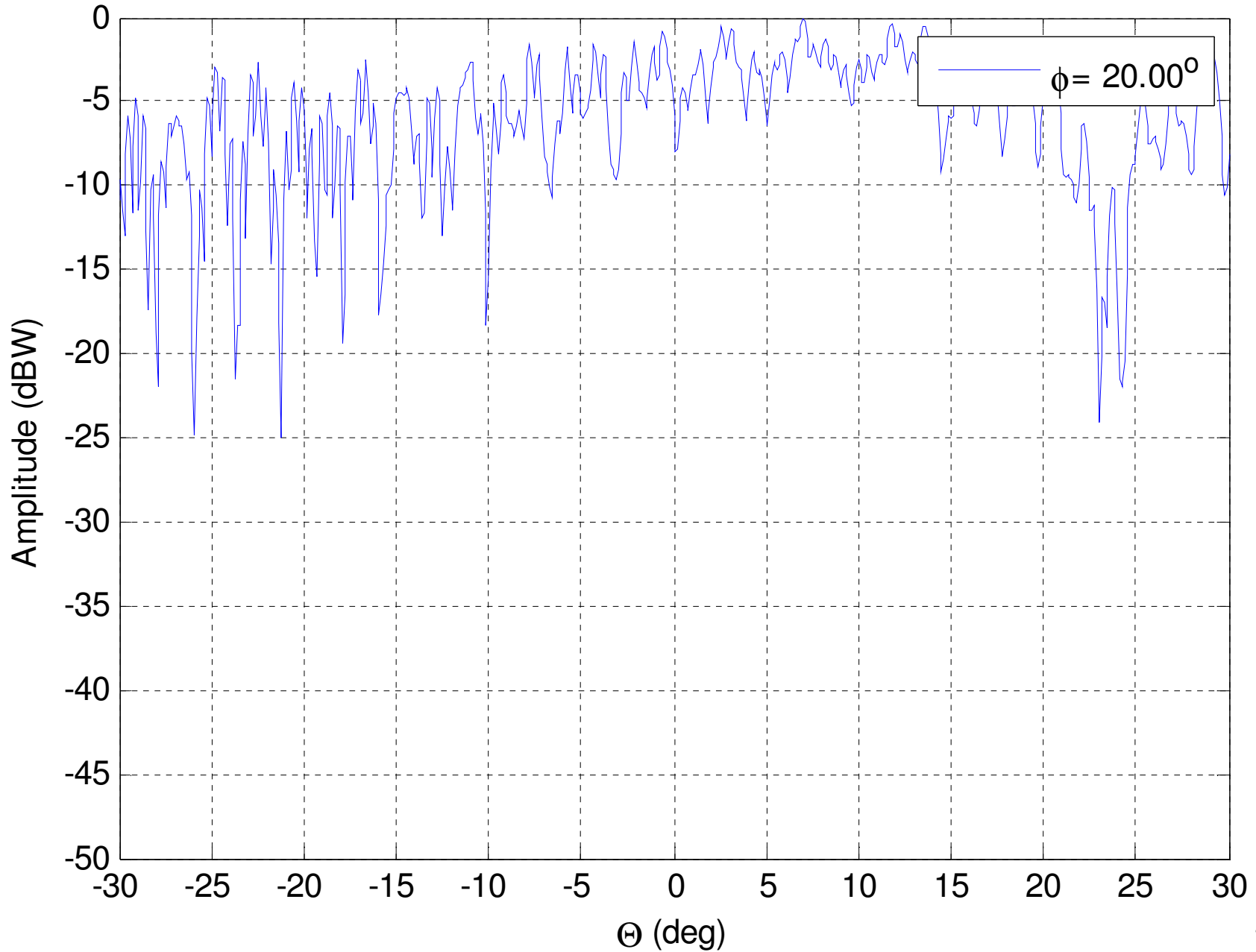
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-10.cut, Peak: -2.23 dBW, Date: 15-Sep-2011



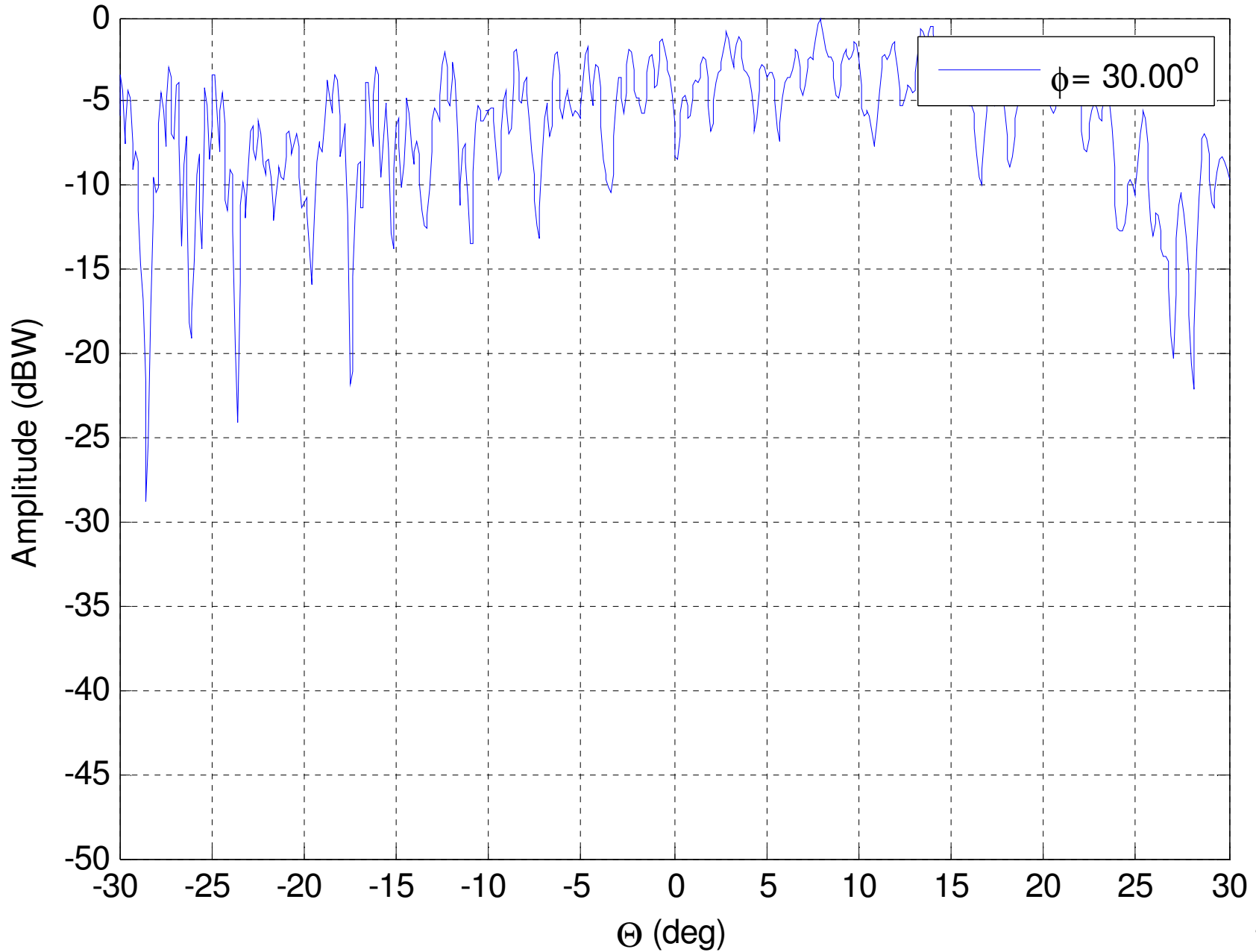
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-20.cut, Peak: -2.51 dBW, Date: 15-Sep-2011



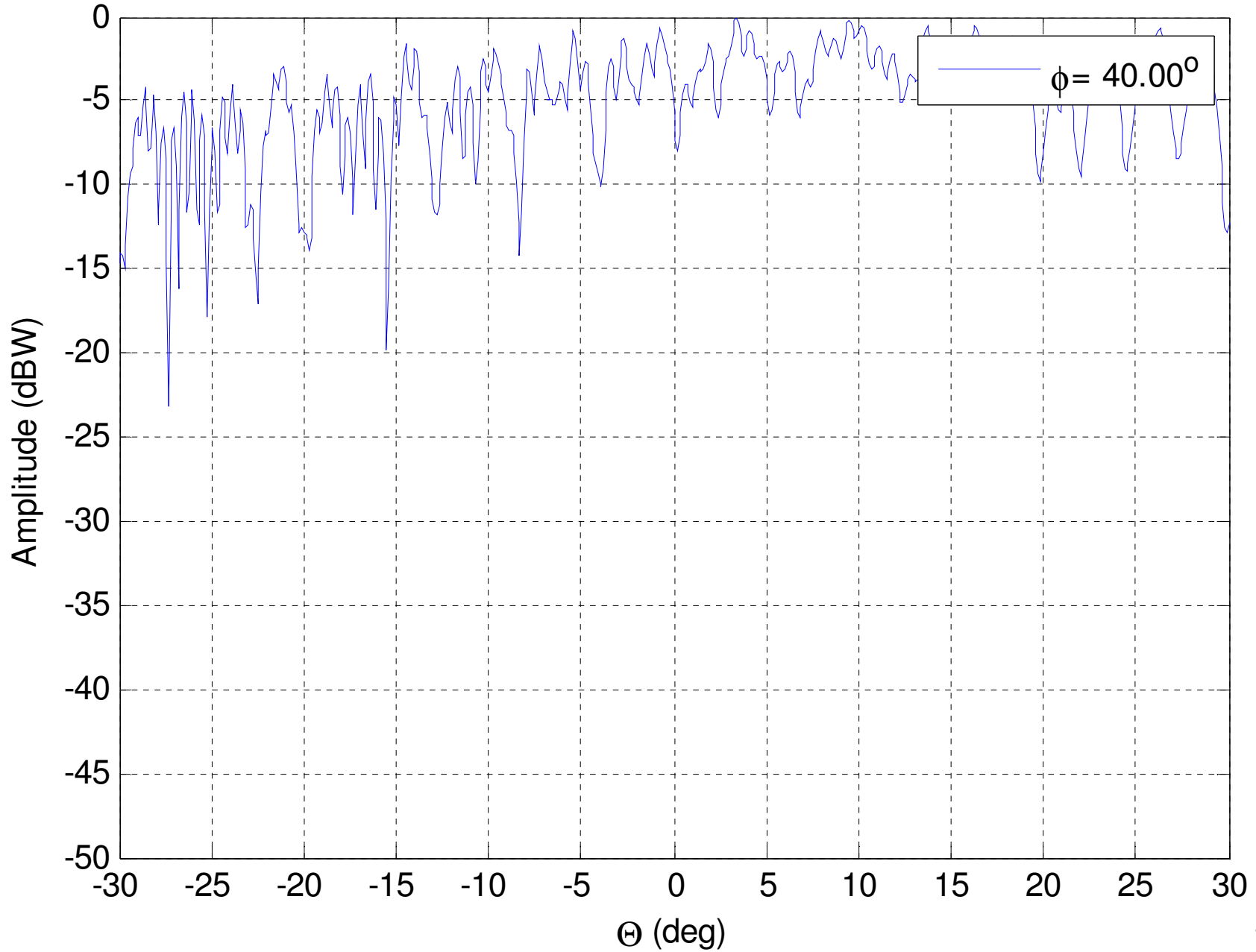
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-30.cut, Peak: -2.08 dBW, Date: 15-Sep-2011



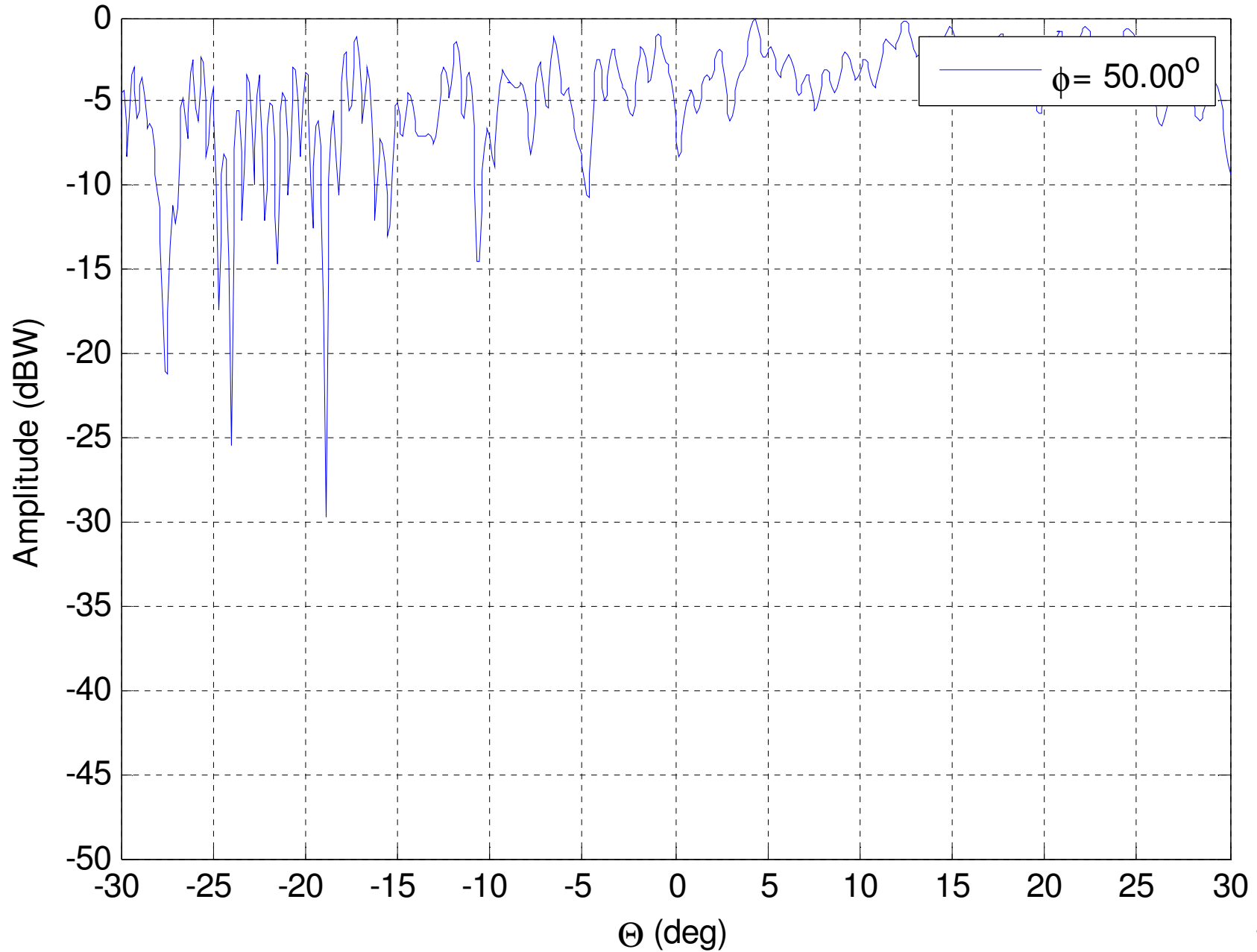
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-40.cut, Peak: -2.74 dBW, Date: 15-Sep-2011



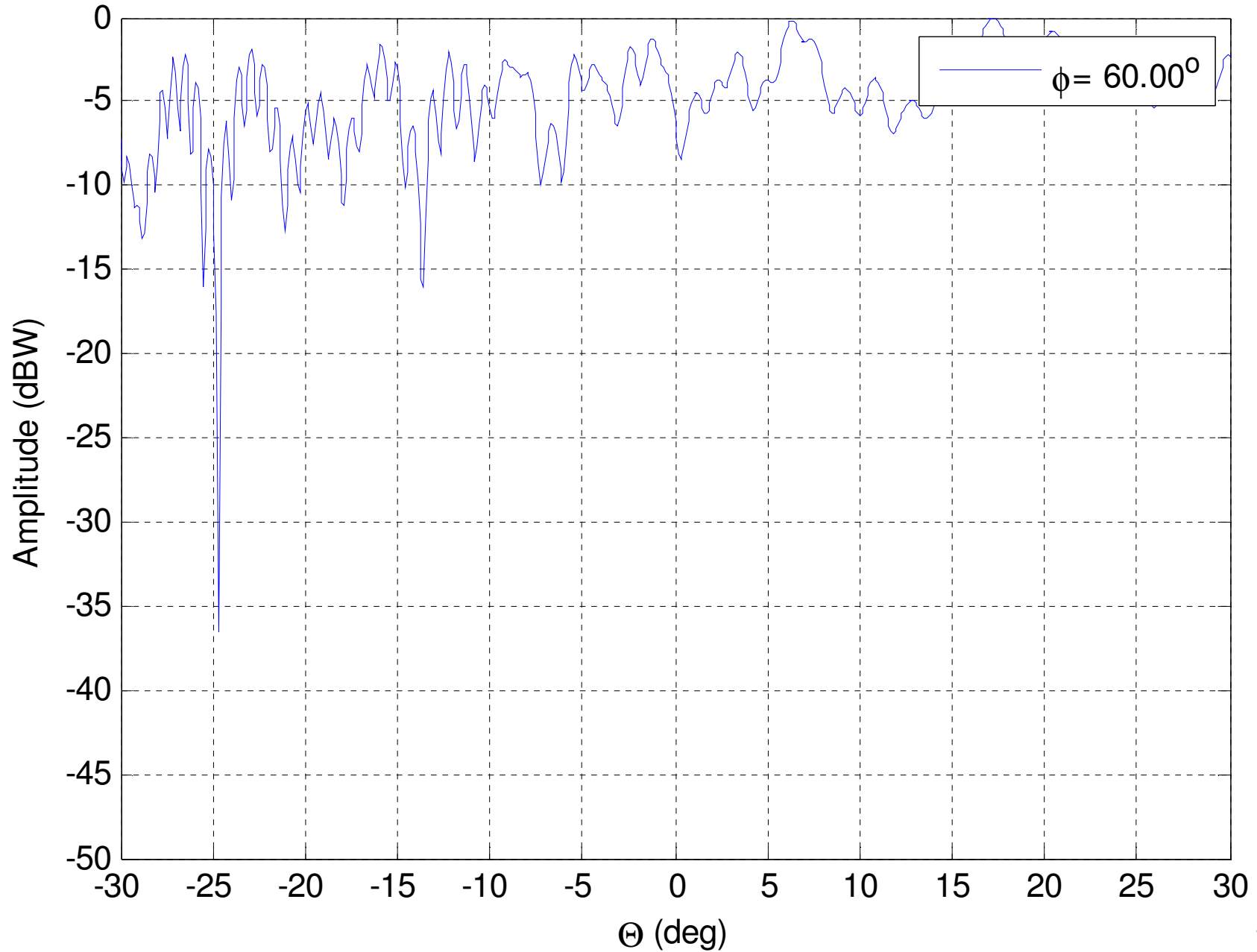
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-50.cut, Peak: -2.43 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

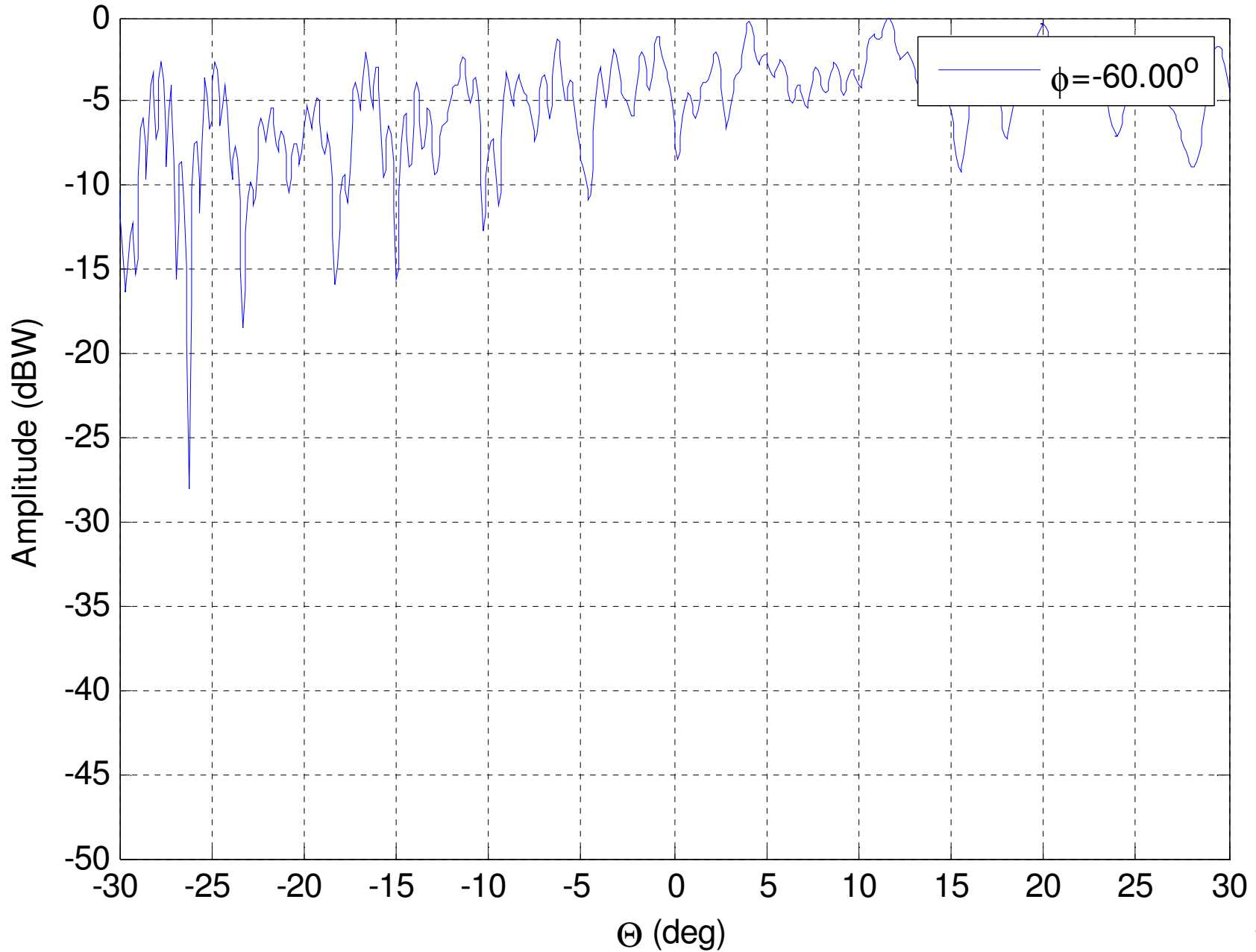
Input file: tx-17.5-rhcp-60.cut, Peak: -2.21 dBW, Date: 15-Sep-2011



# LHCP at 17.5 GHz

# Normalized pattern cuts - farfield

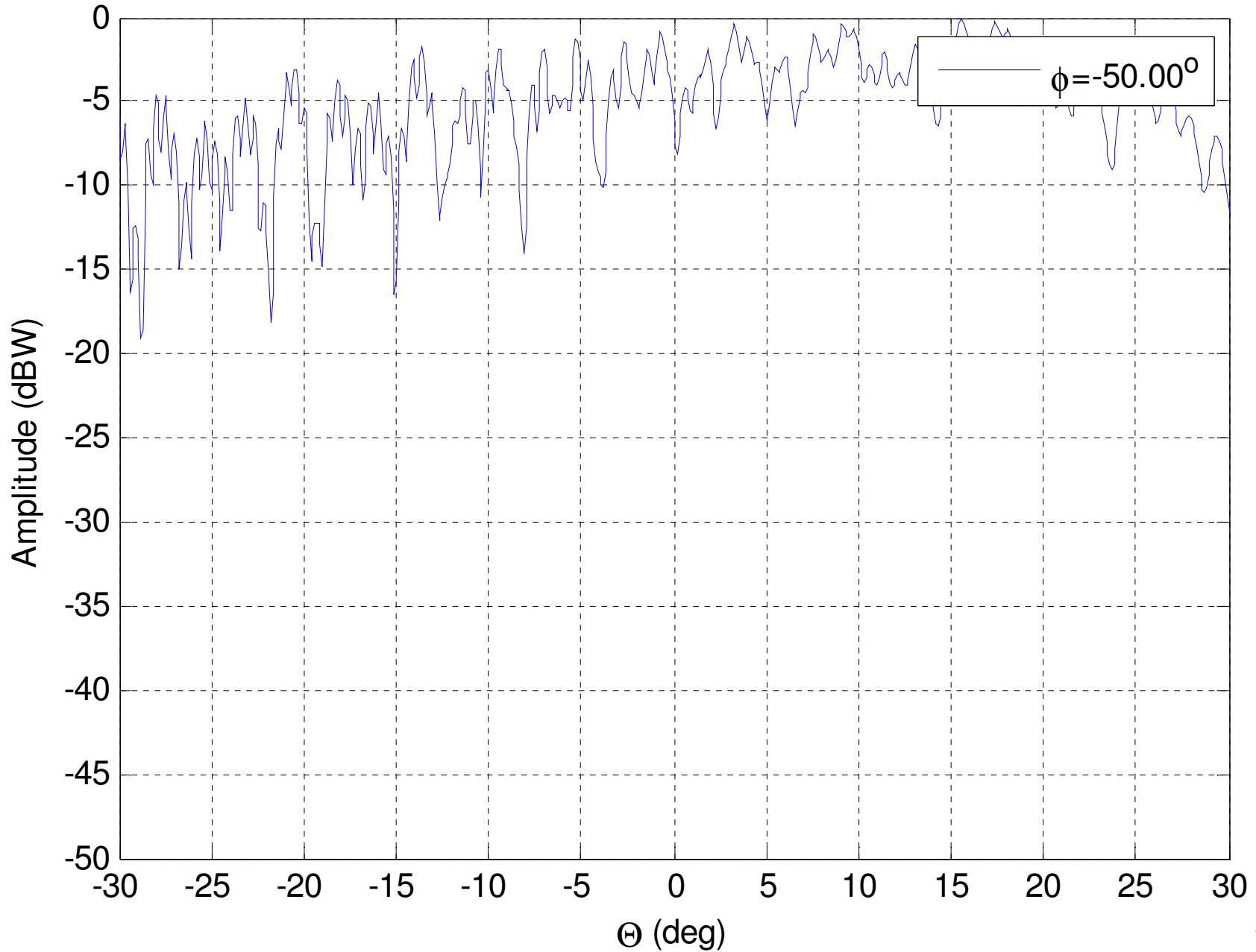
Input file: tx-17.5-lhcp--60.cut, Peak: -2.15 dBW, Date: 15-Sep-2011





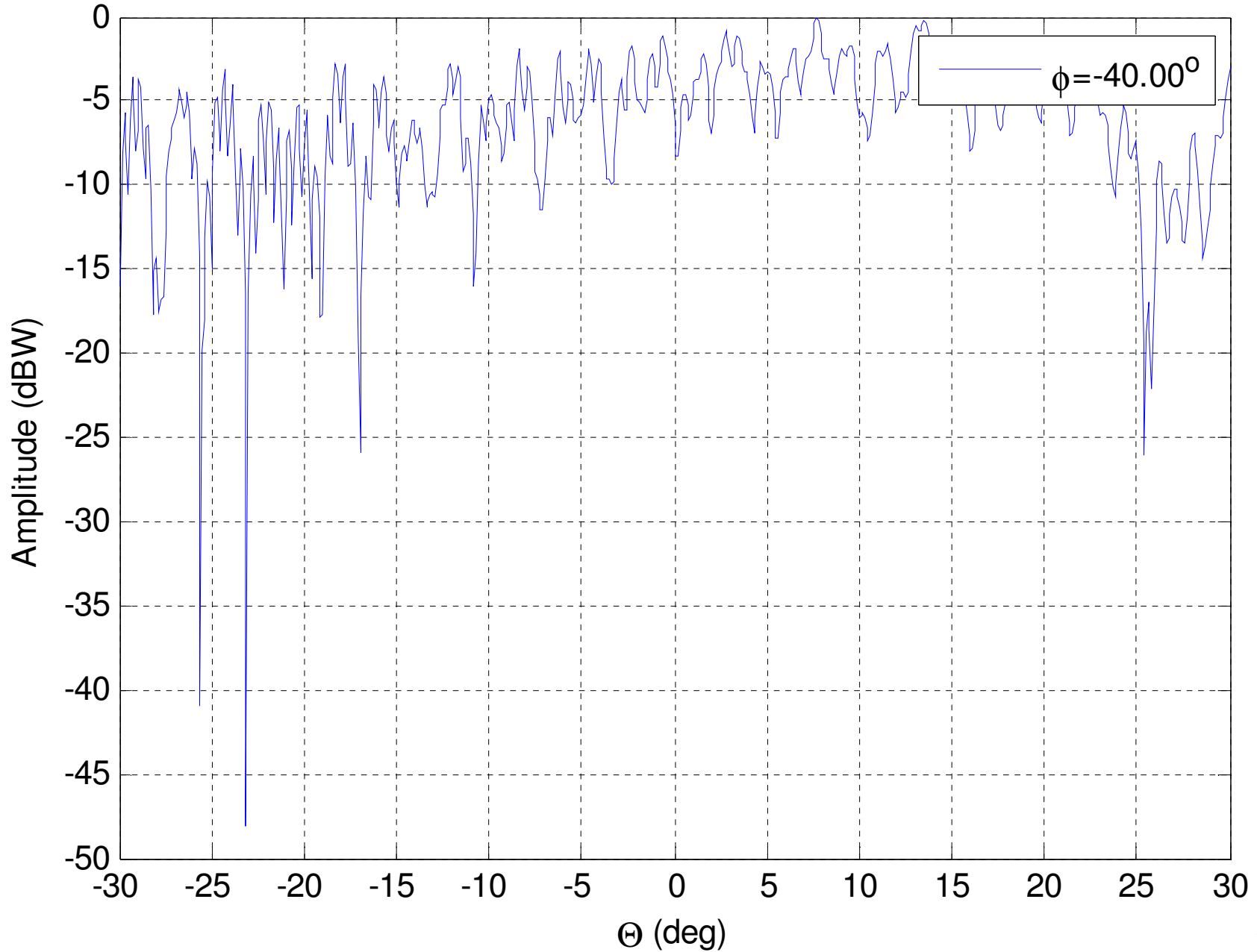
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--50.cut, Peak: -2.42 dBW, Date: 15-Sep-2011



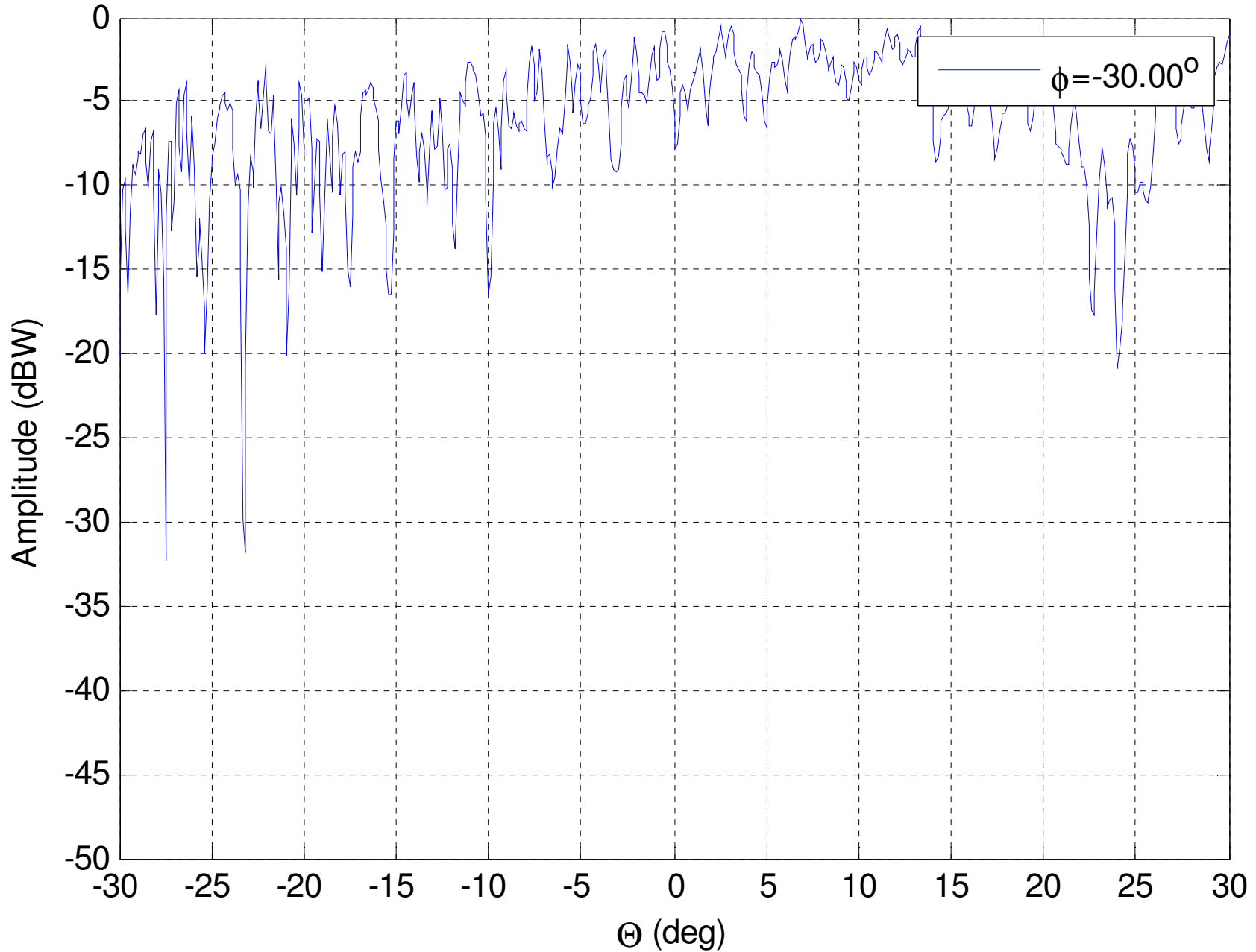
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--40.cut, Peak: -2.08 dBW, Date: 15-Sep-2011



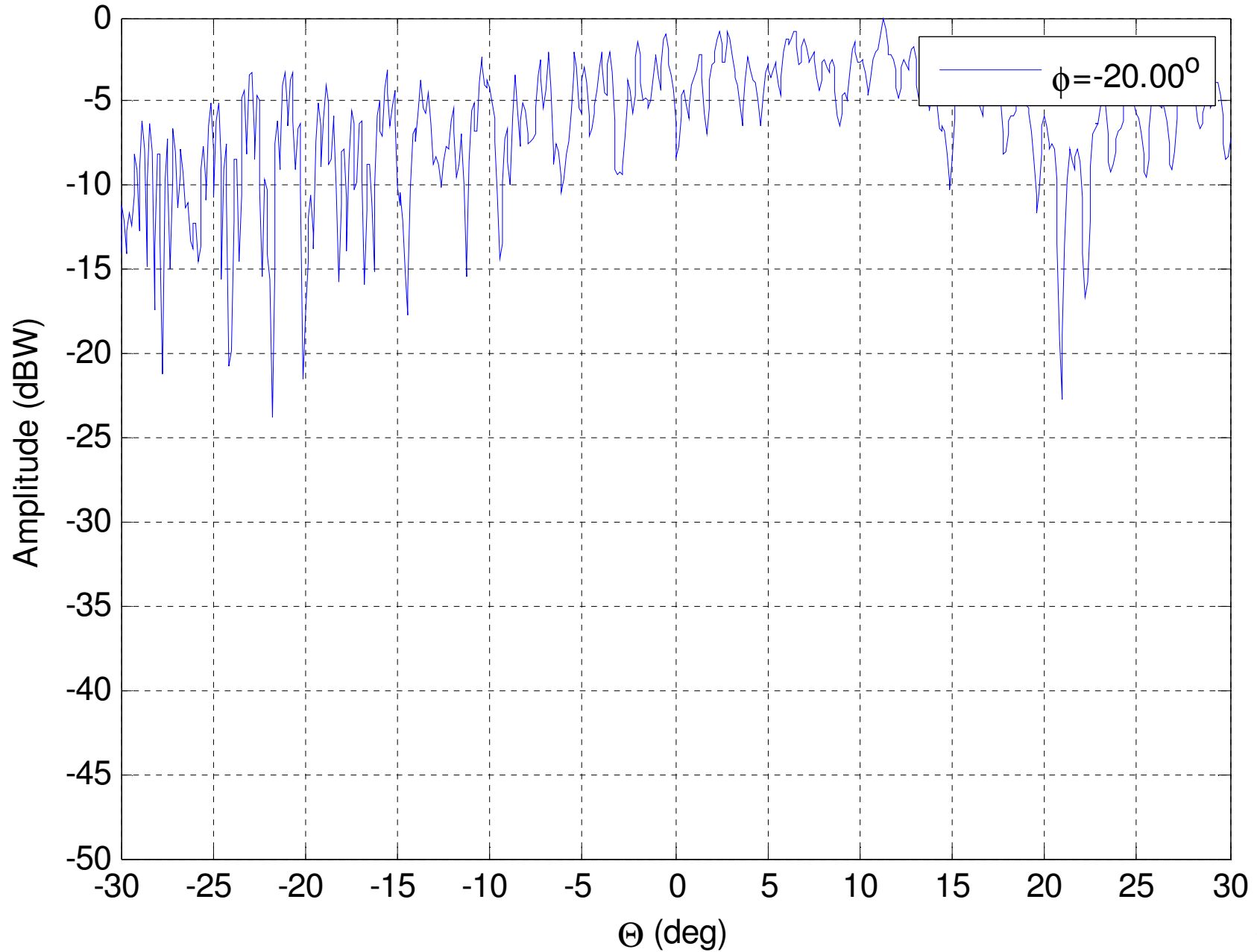
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--30.cut, Peak: -2.55 dBW, Date: 15-Sep-2011



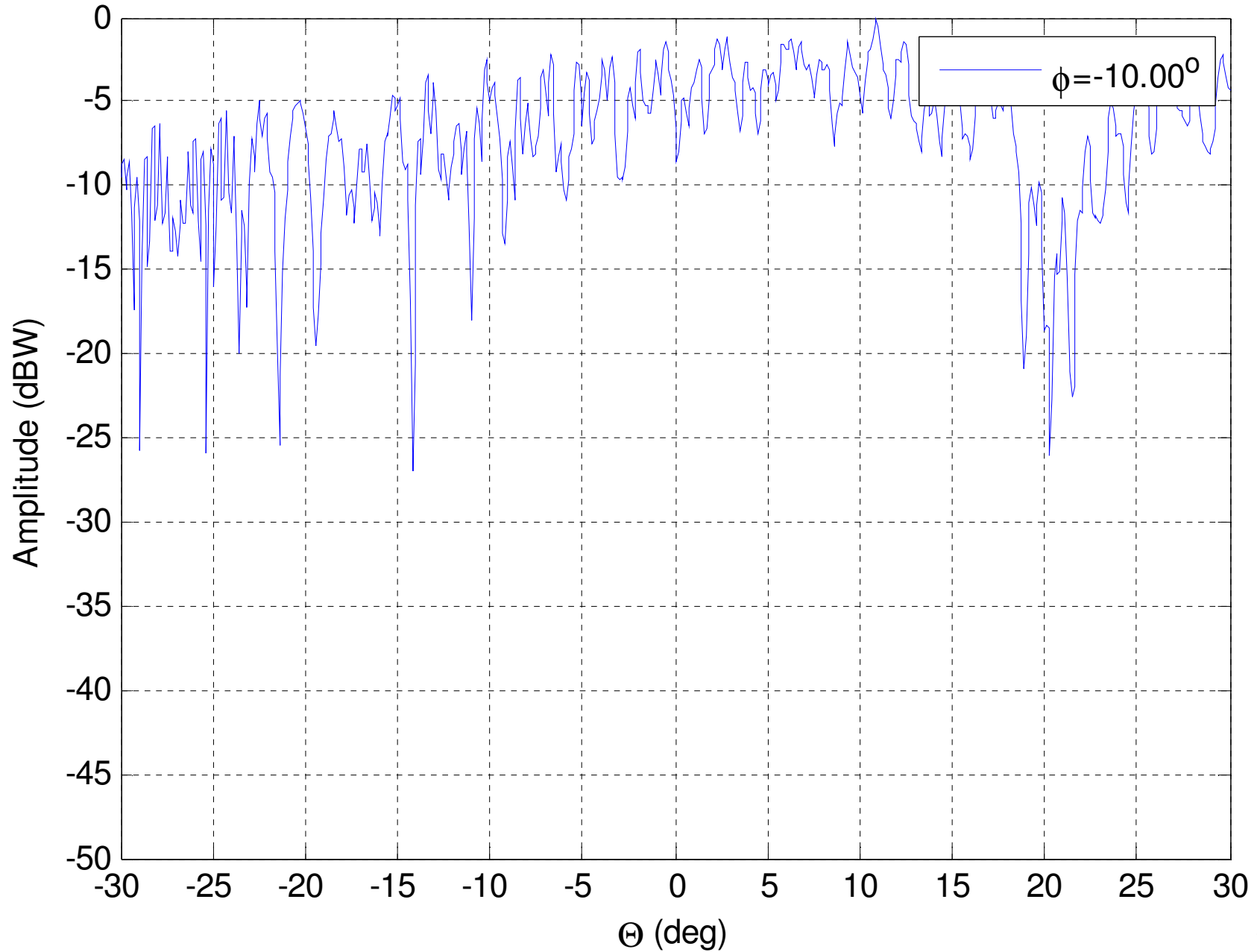
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--20.cut, Peak: -2.22 dBW, Date: 15-Sep-2011



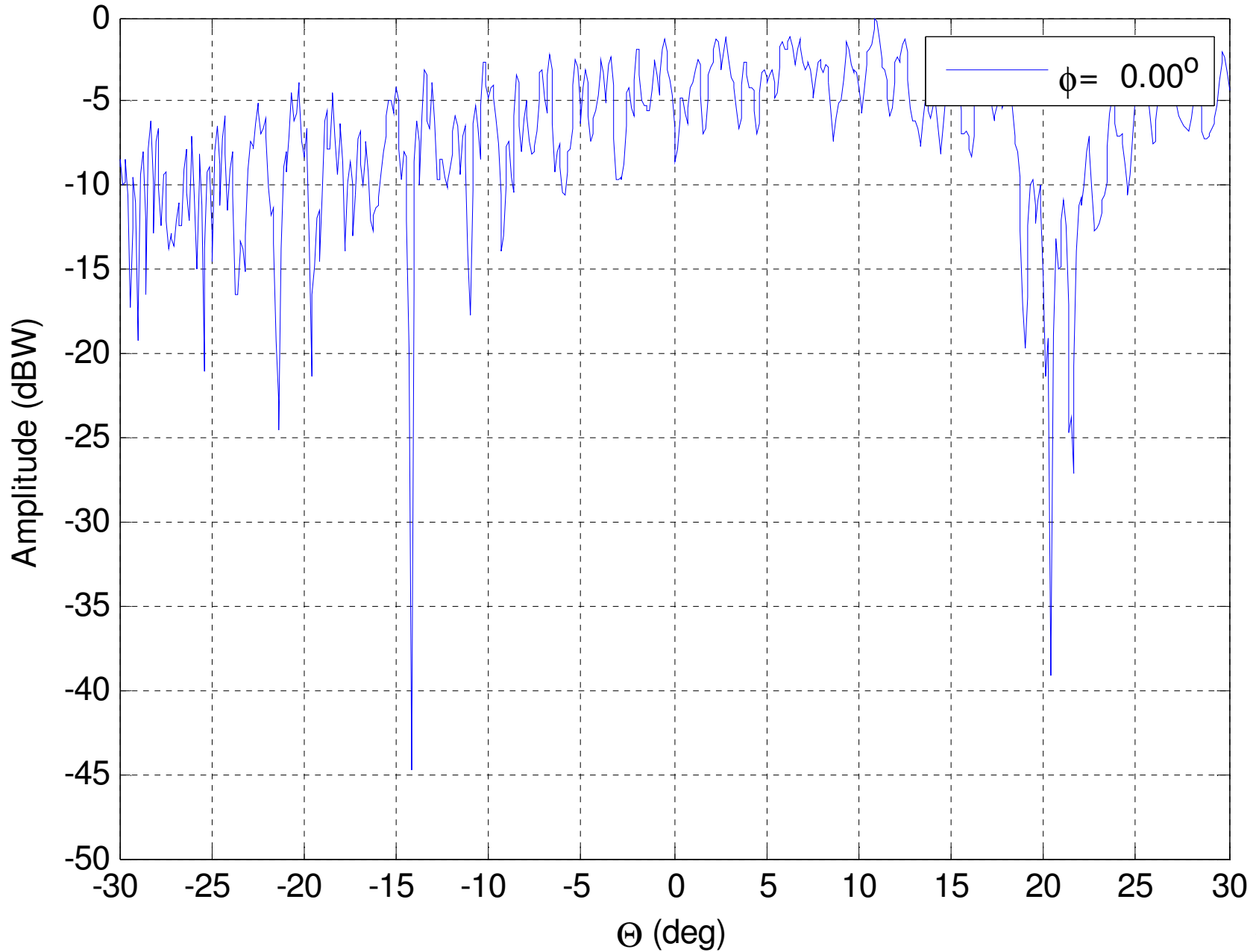
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--10.cut, Peak: -1.86 dBW, Date: 15-Sep-2011



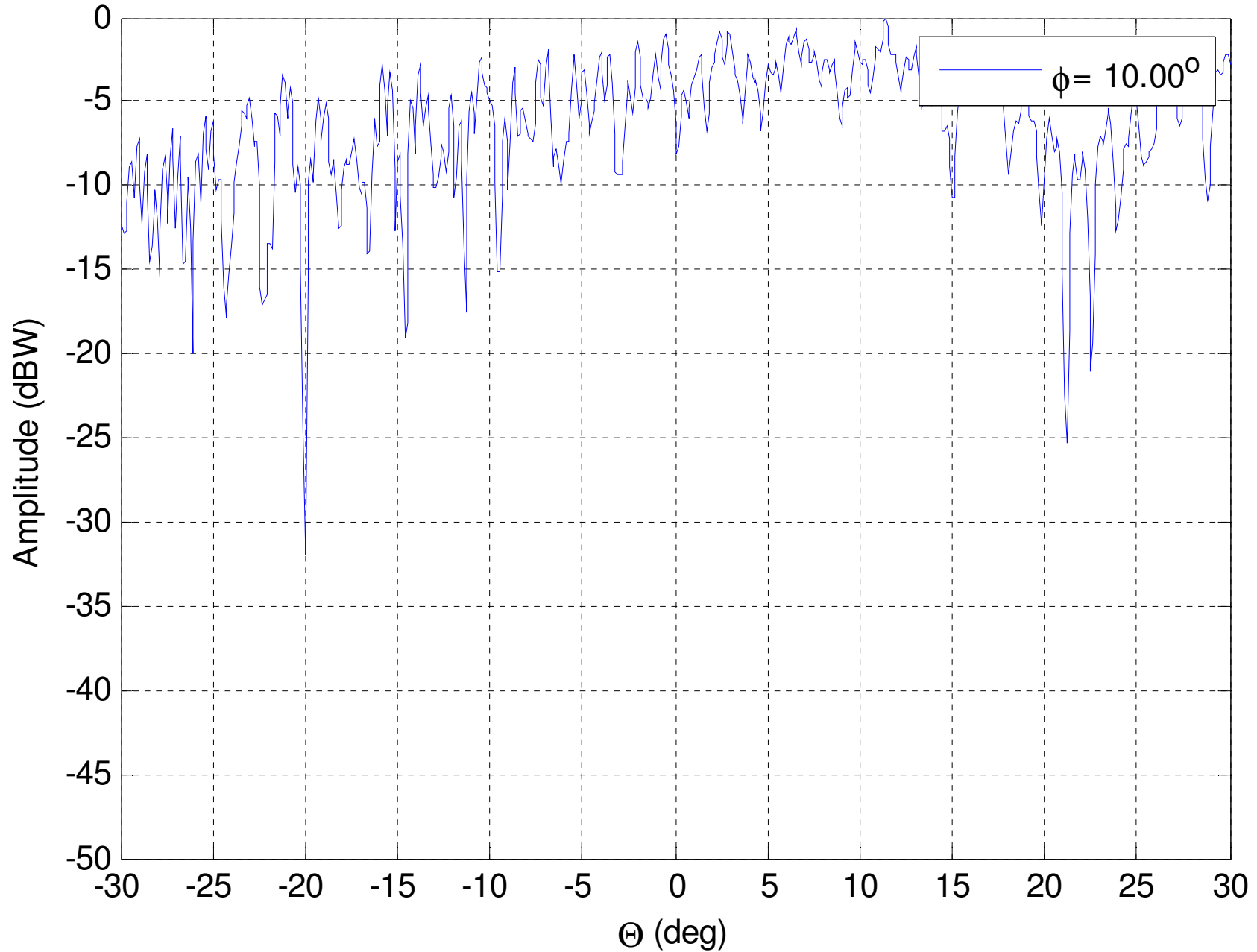
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-0.cut, Peak: -1.92 dBW, Date: 15-Sep-2011



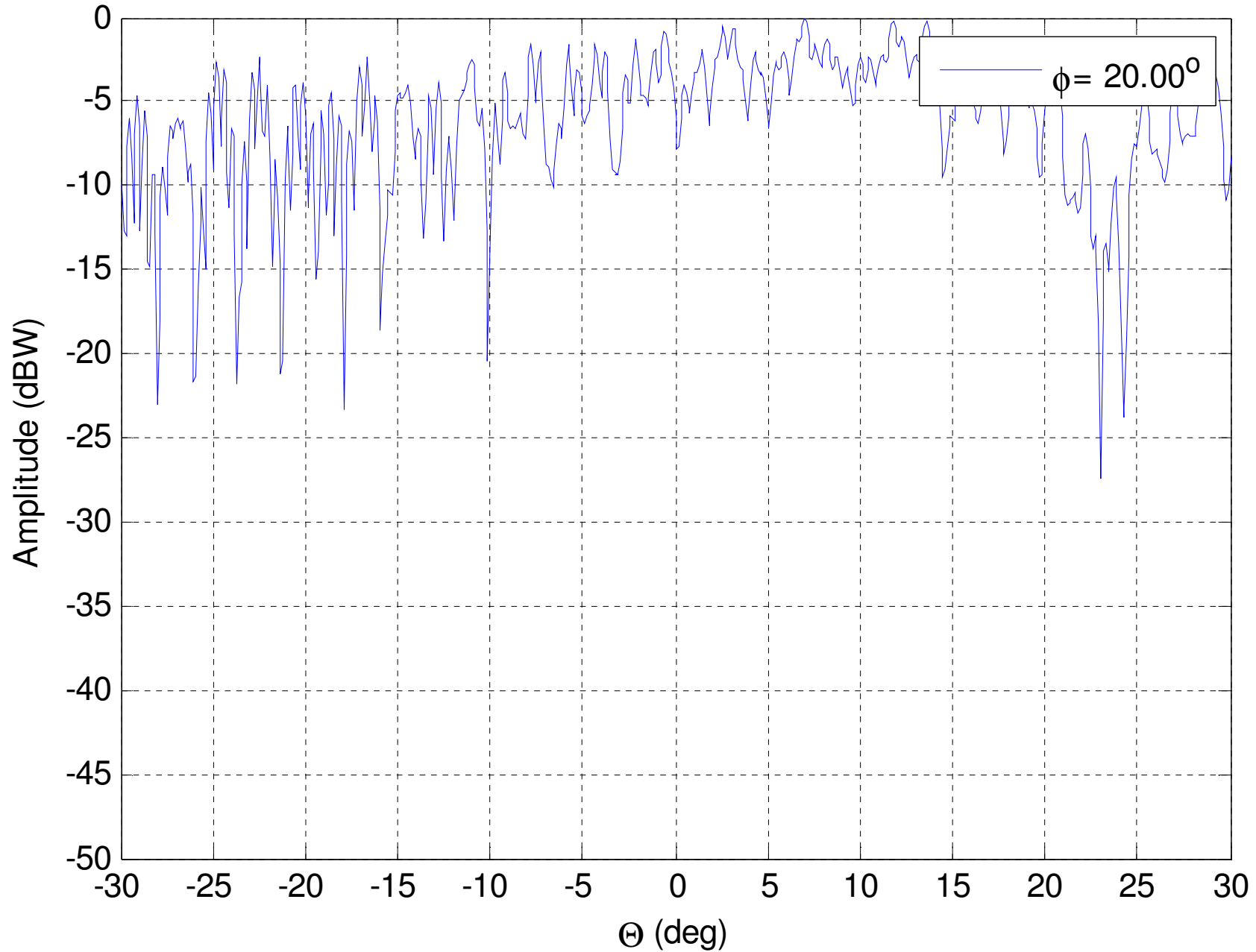
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-10.cut, Peak: -2.26 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

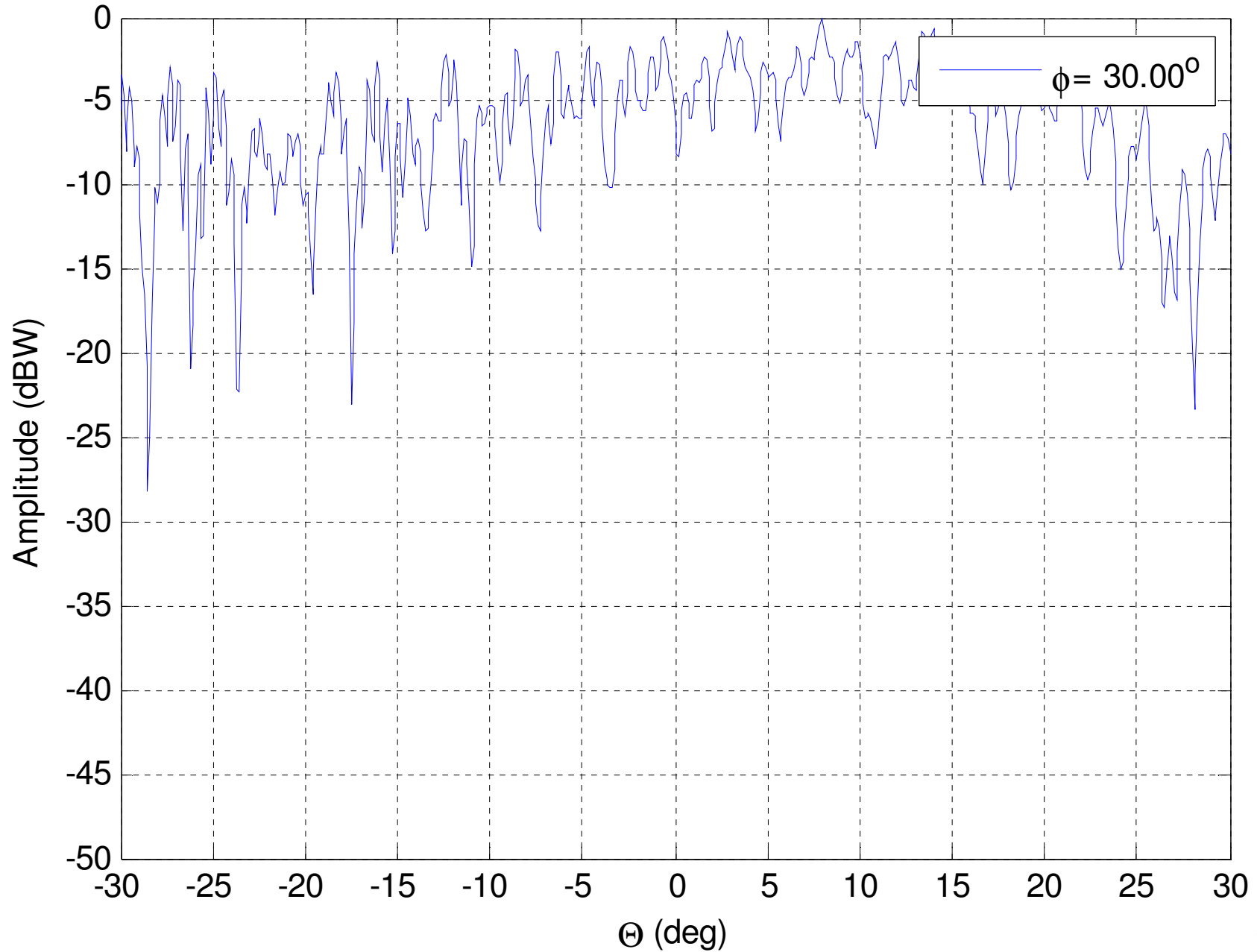
Input file: tx-17.5-lhcp-20.cut, Peak: -2.50 dBW, Date: 15-Sep-2011





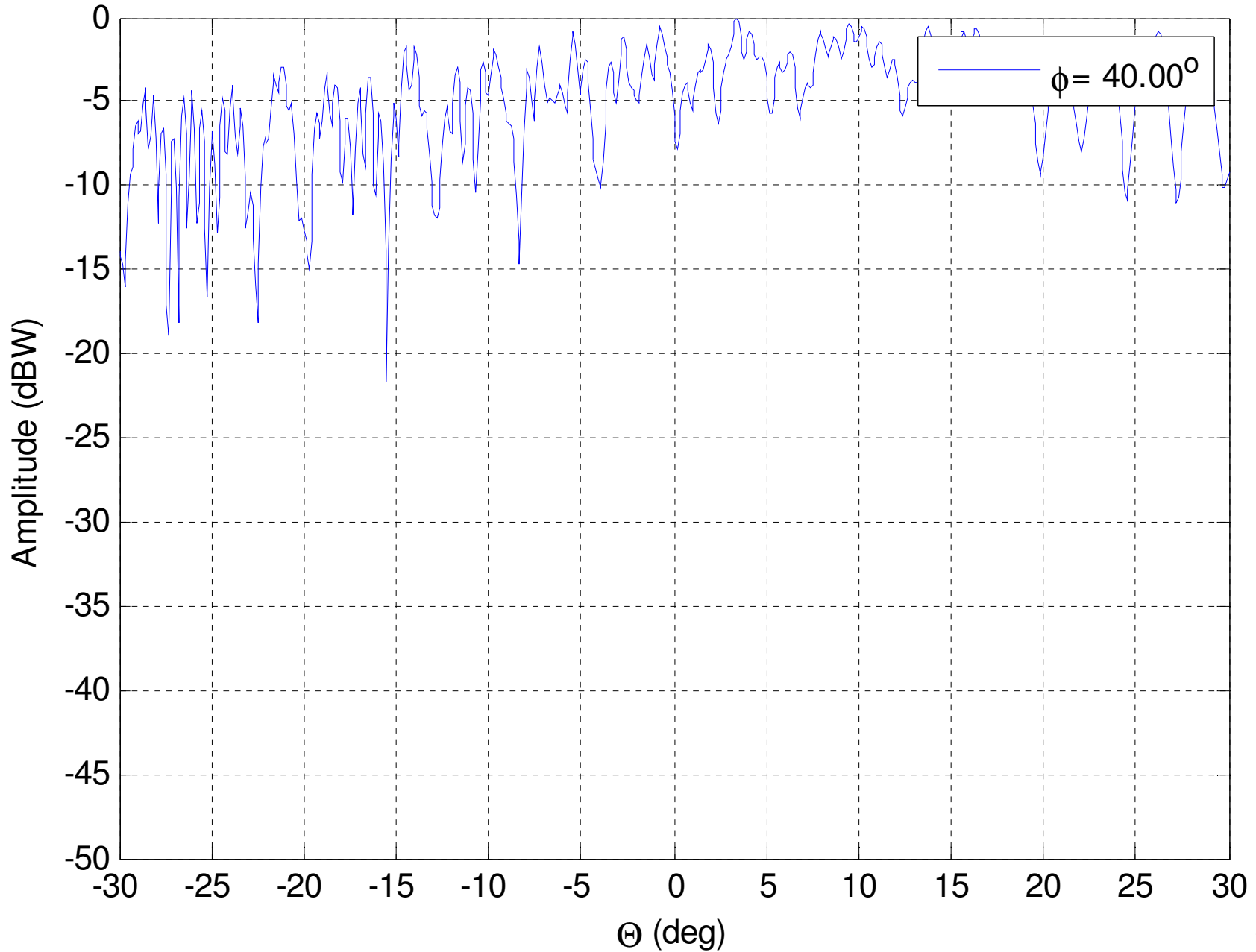
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-30.cut, Peak: -2.08 dBW, Date: 15-Sep-2011



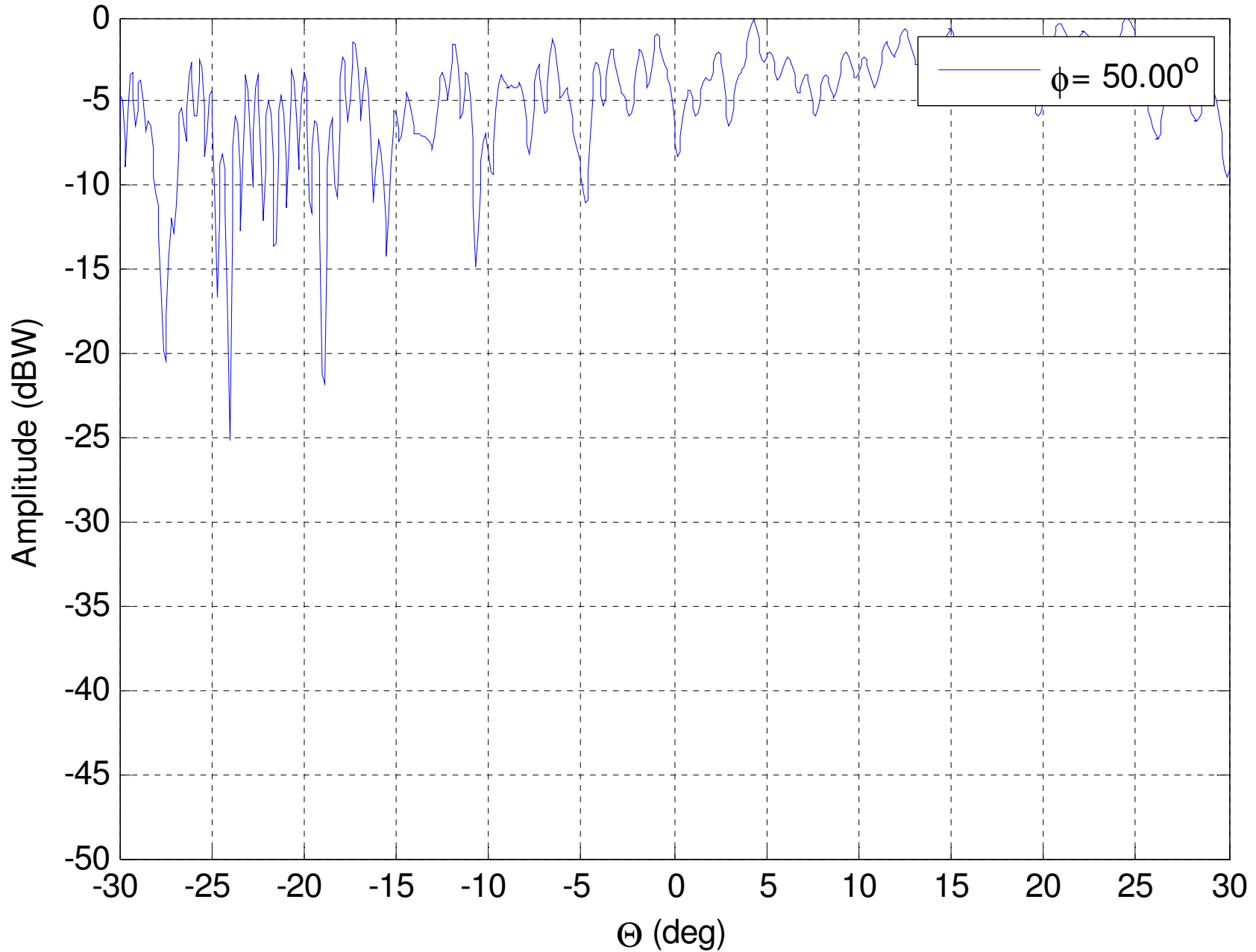
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-40.cut, Peak: -2.72 dBW, Date: 15-Sep-2011



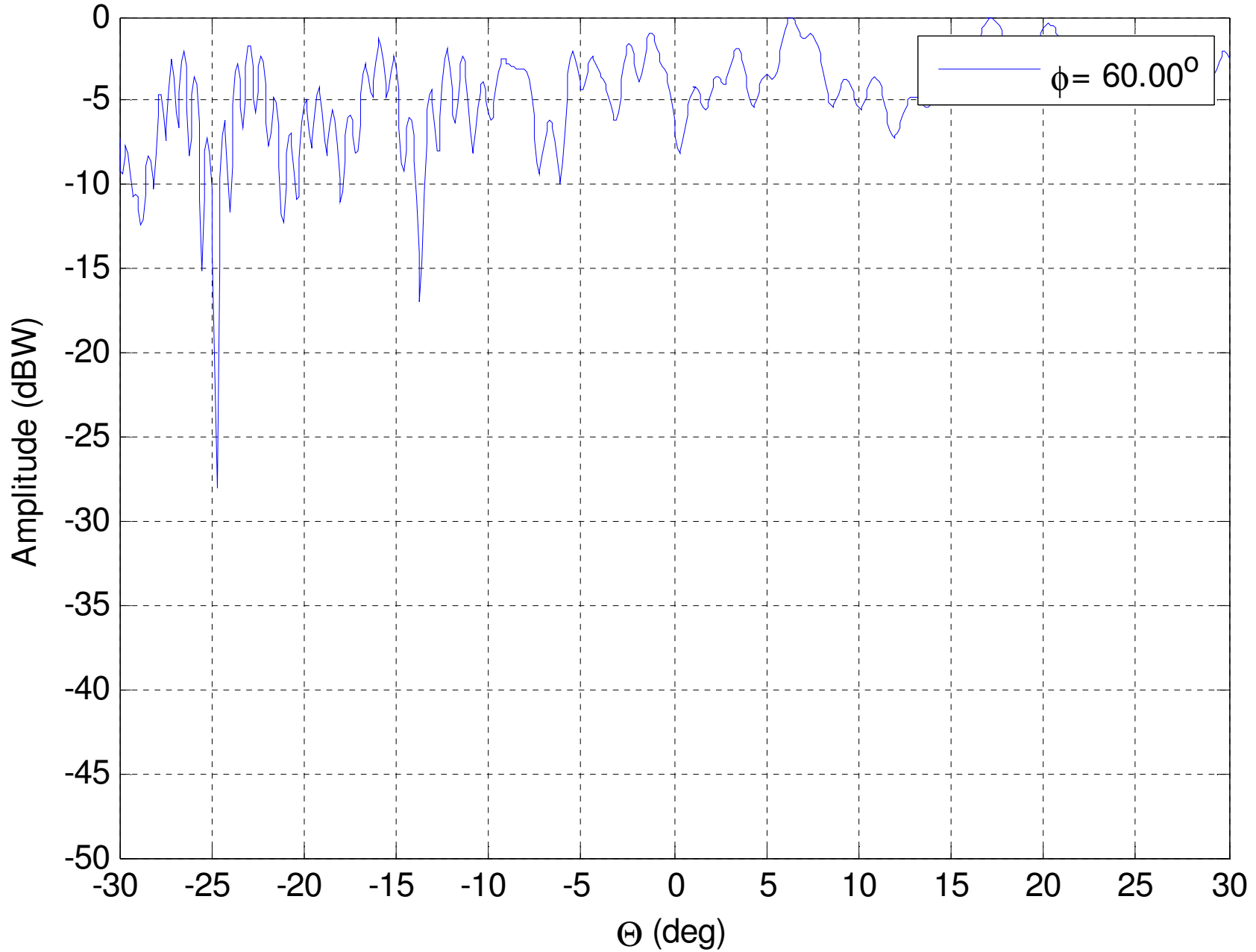
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-50.cut, Peak: -2.28 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

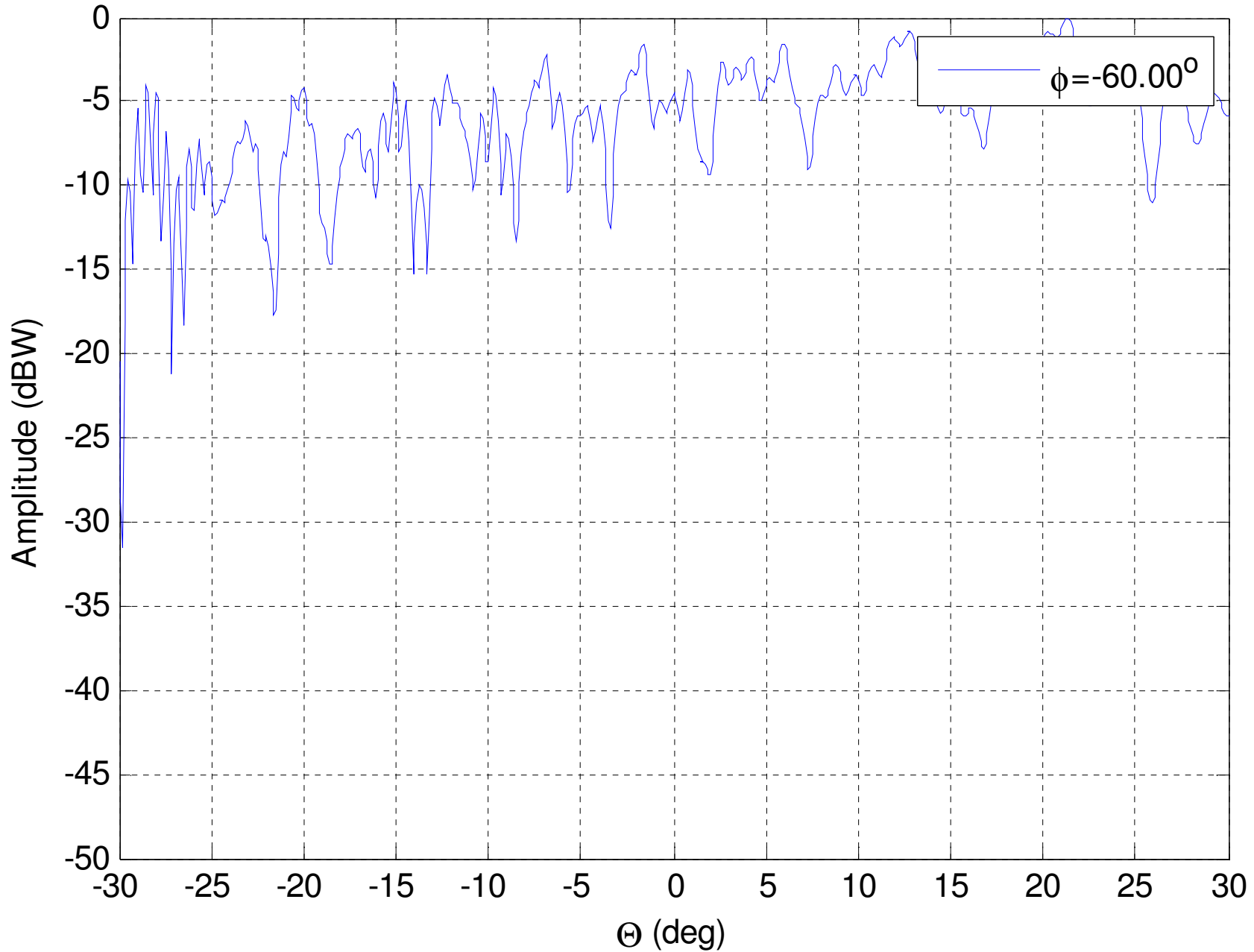
Input file: tx-17.5-lhcp-60.cut, Peak: -2.40 dBW, Date: 15-Sep-2011



# RHCP at 17.7 GHz

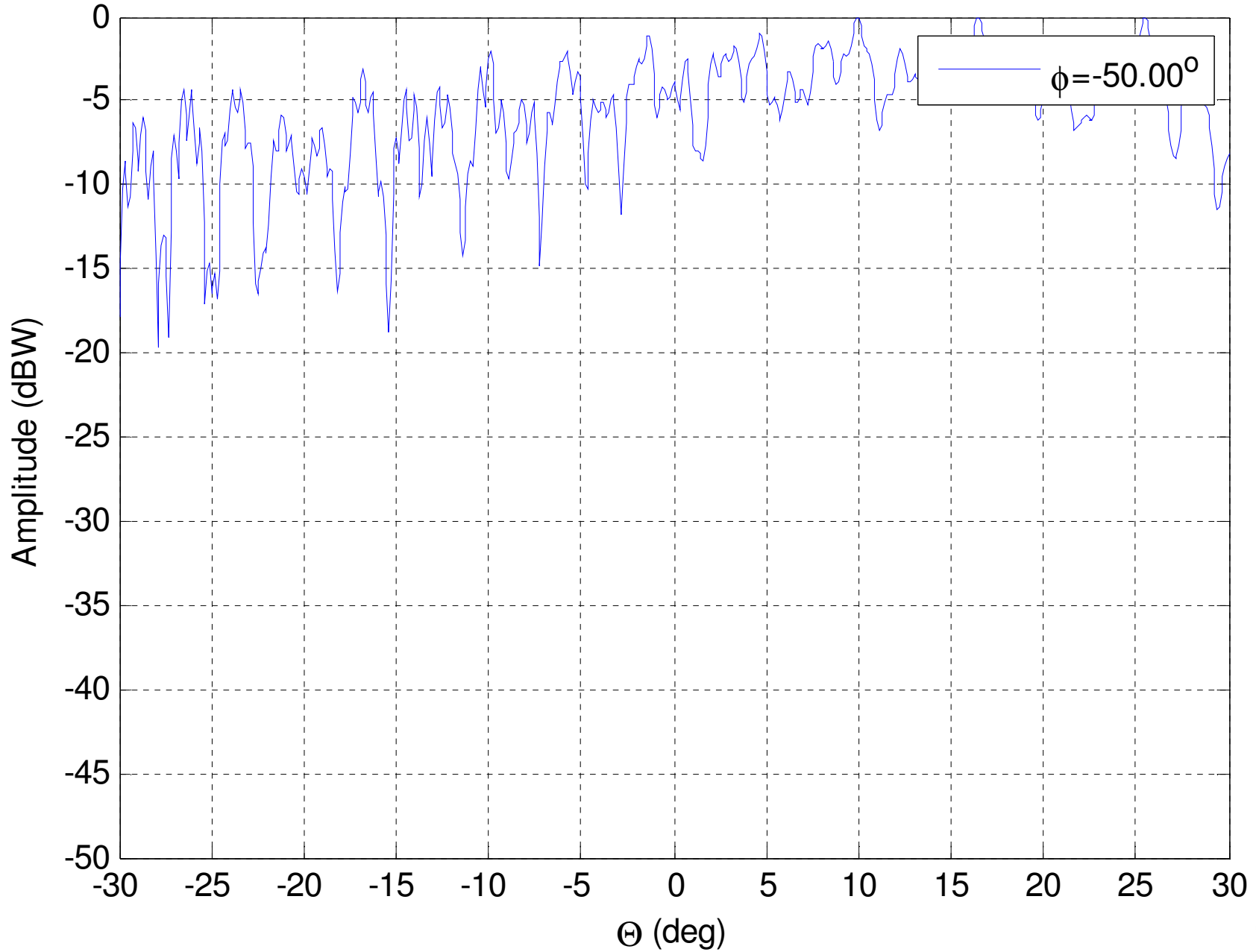
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--60.cut, Peak: -1.56 dBW, Date: 15-Sep-2011



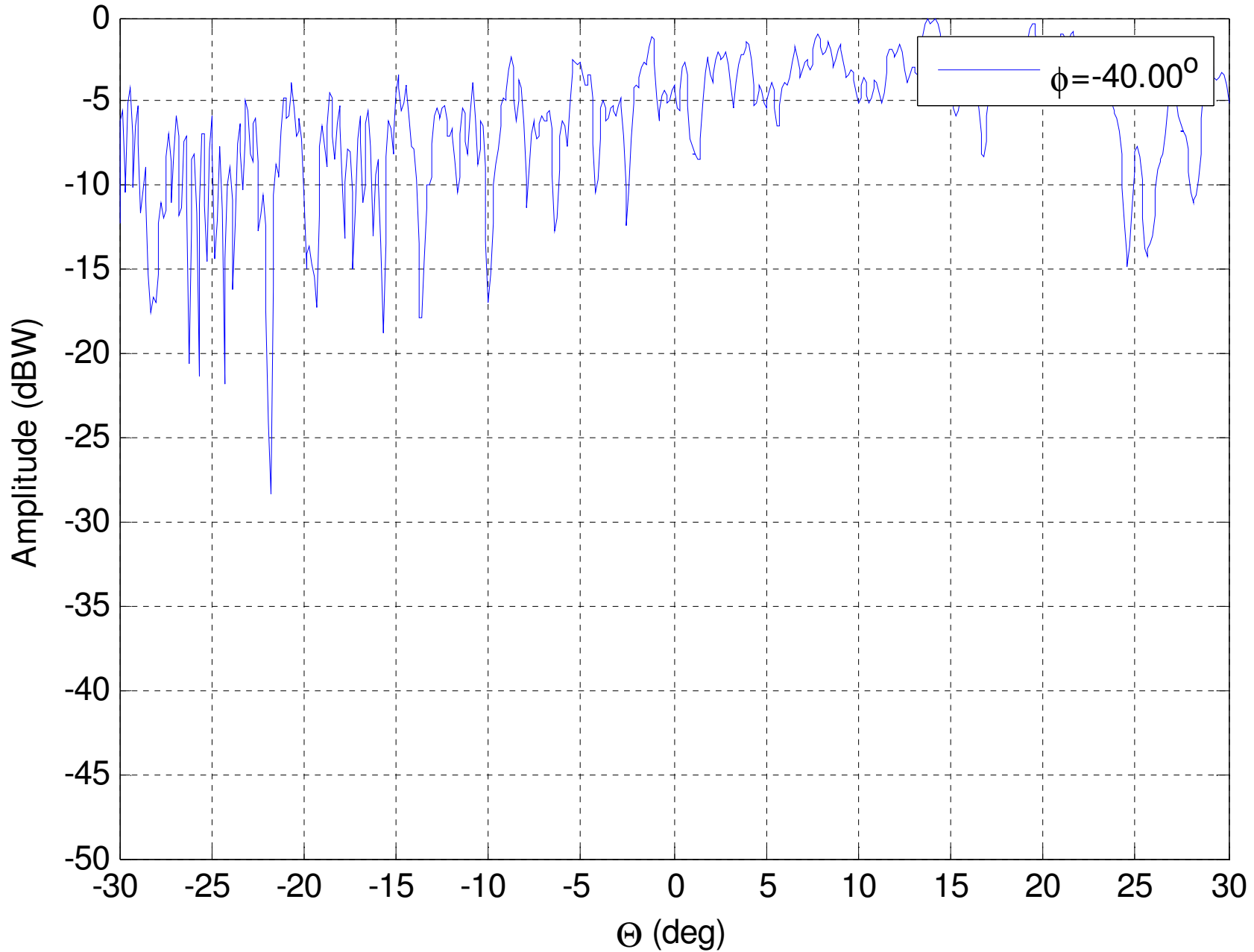
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--50.cut, Peak: -2.19 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

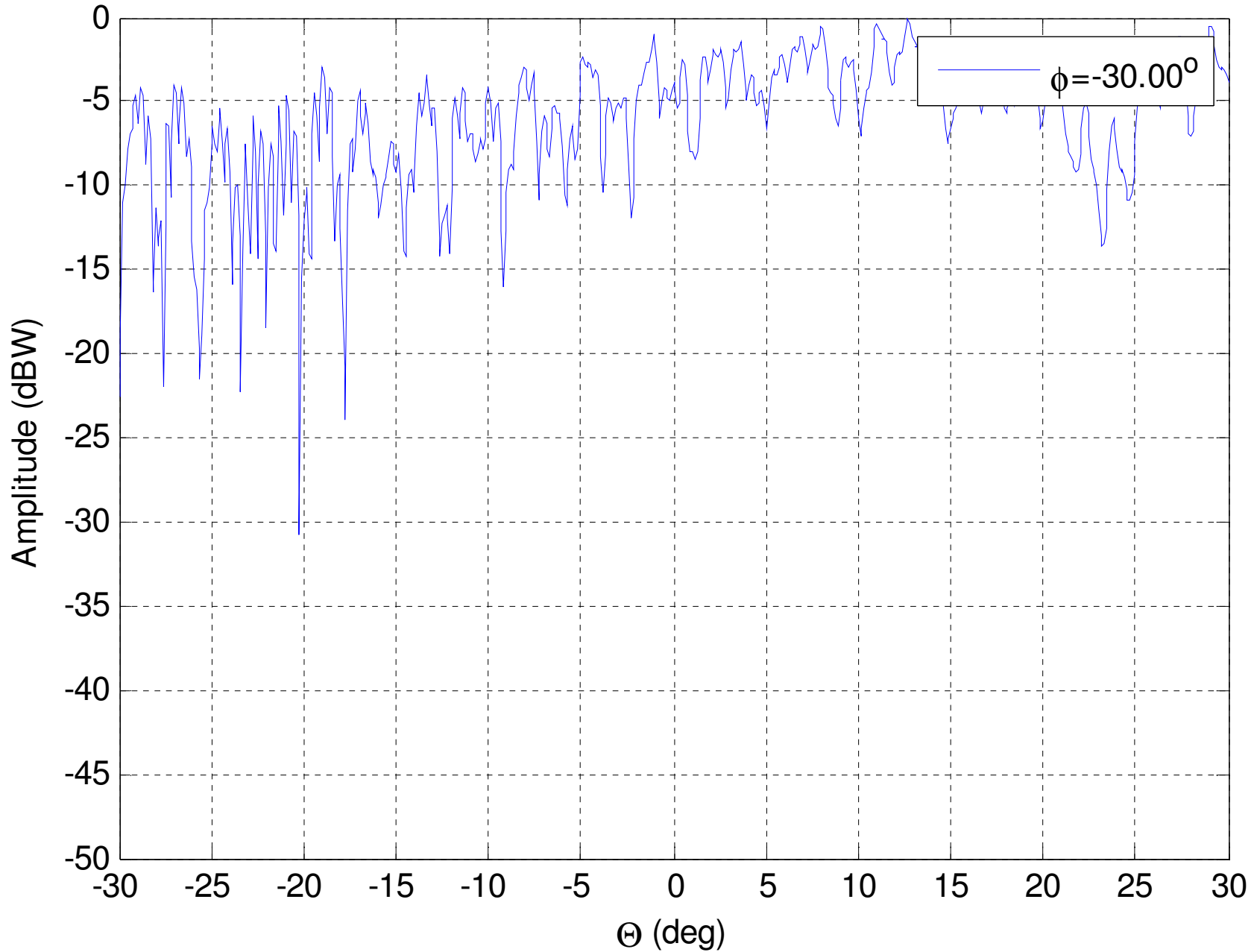
Input file: tx-17.7-rhcp--40.cut, Peak: -2.09 dBW, Date: 15-Sep-2011





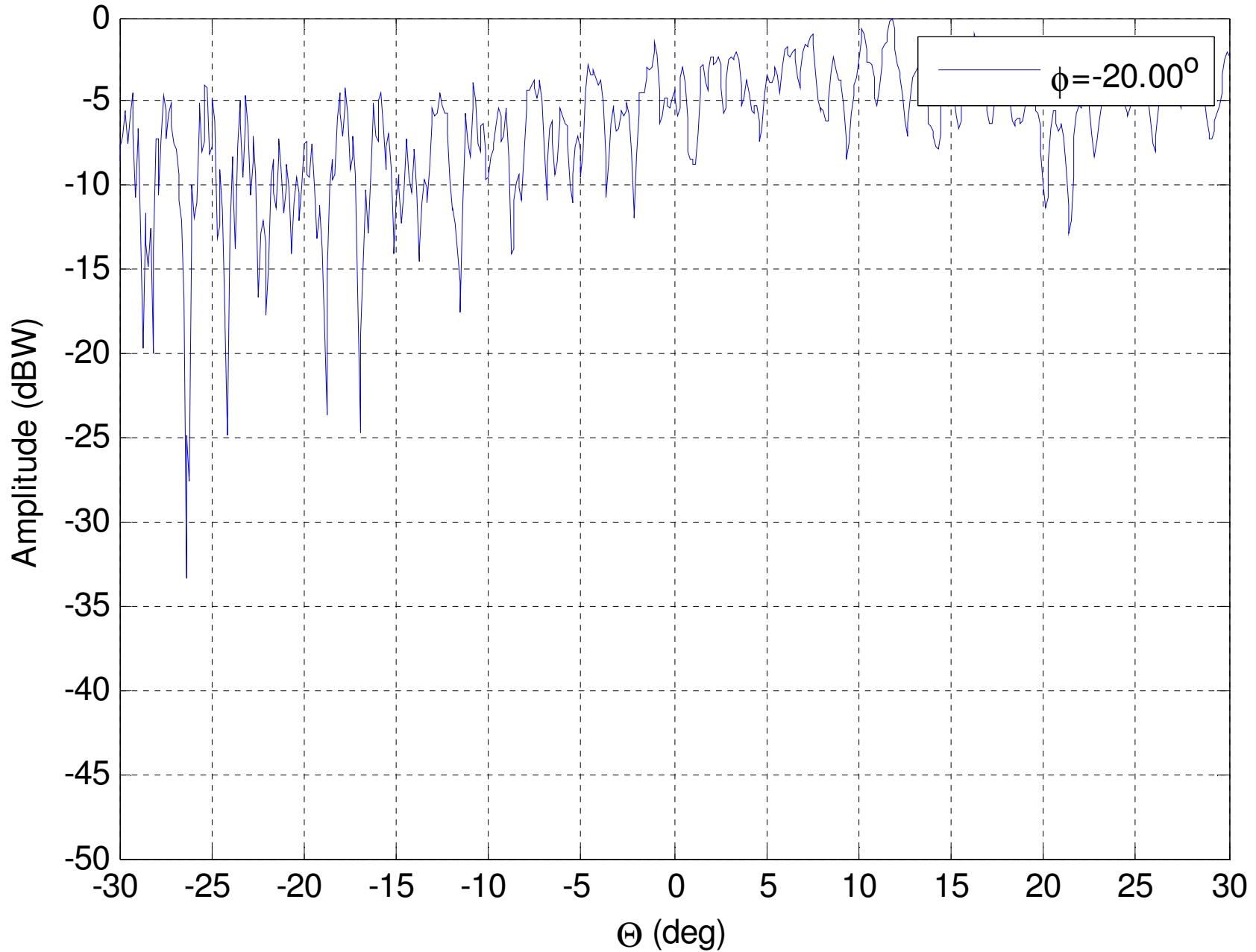
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--30.cut, Peak: -2.23 dBW, Date: 15-Sep-2011



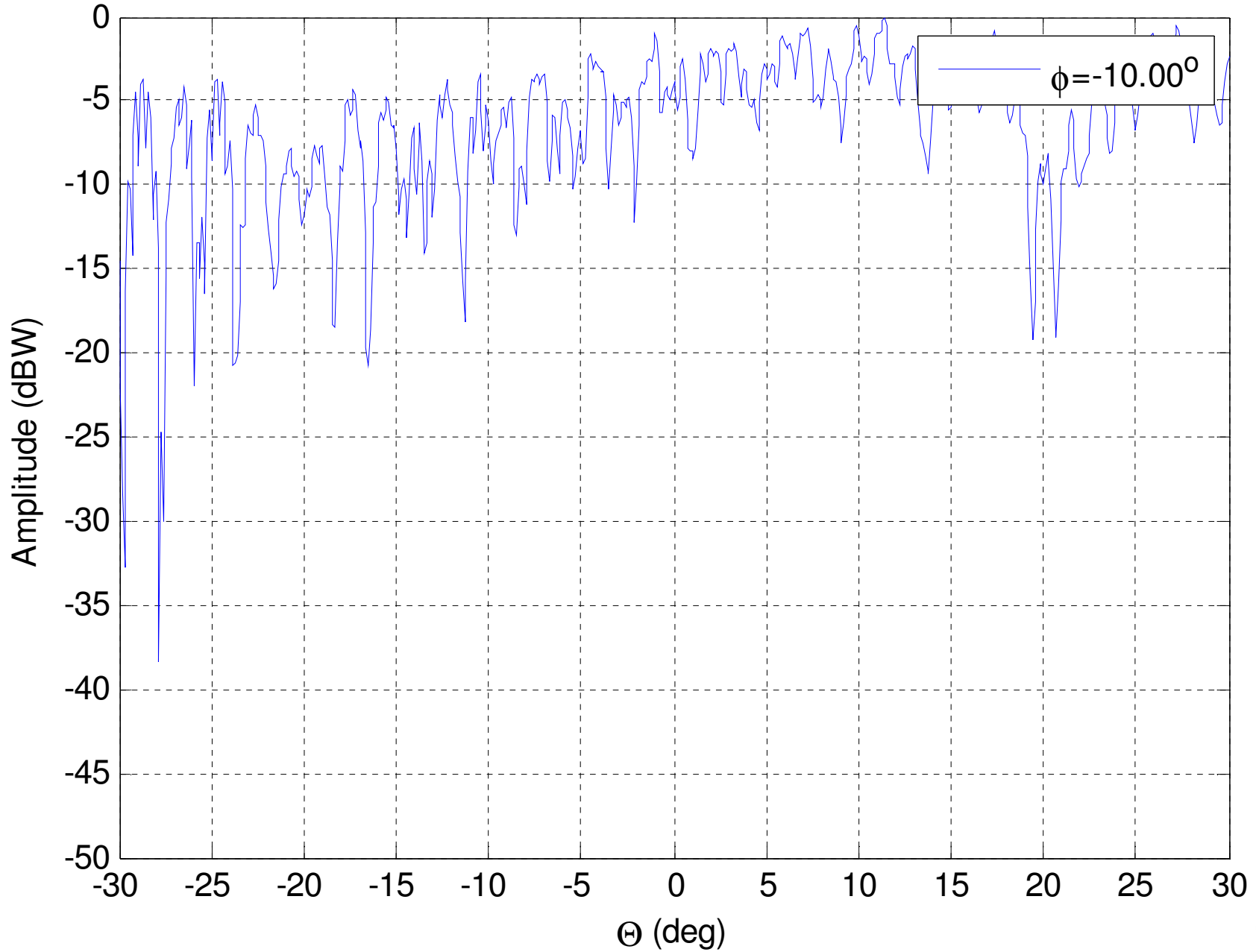
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--20.cut, Peak: -1.76 dBW, Date: 15-Sep-2011



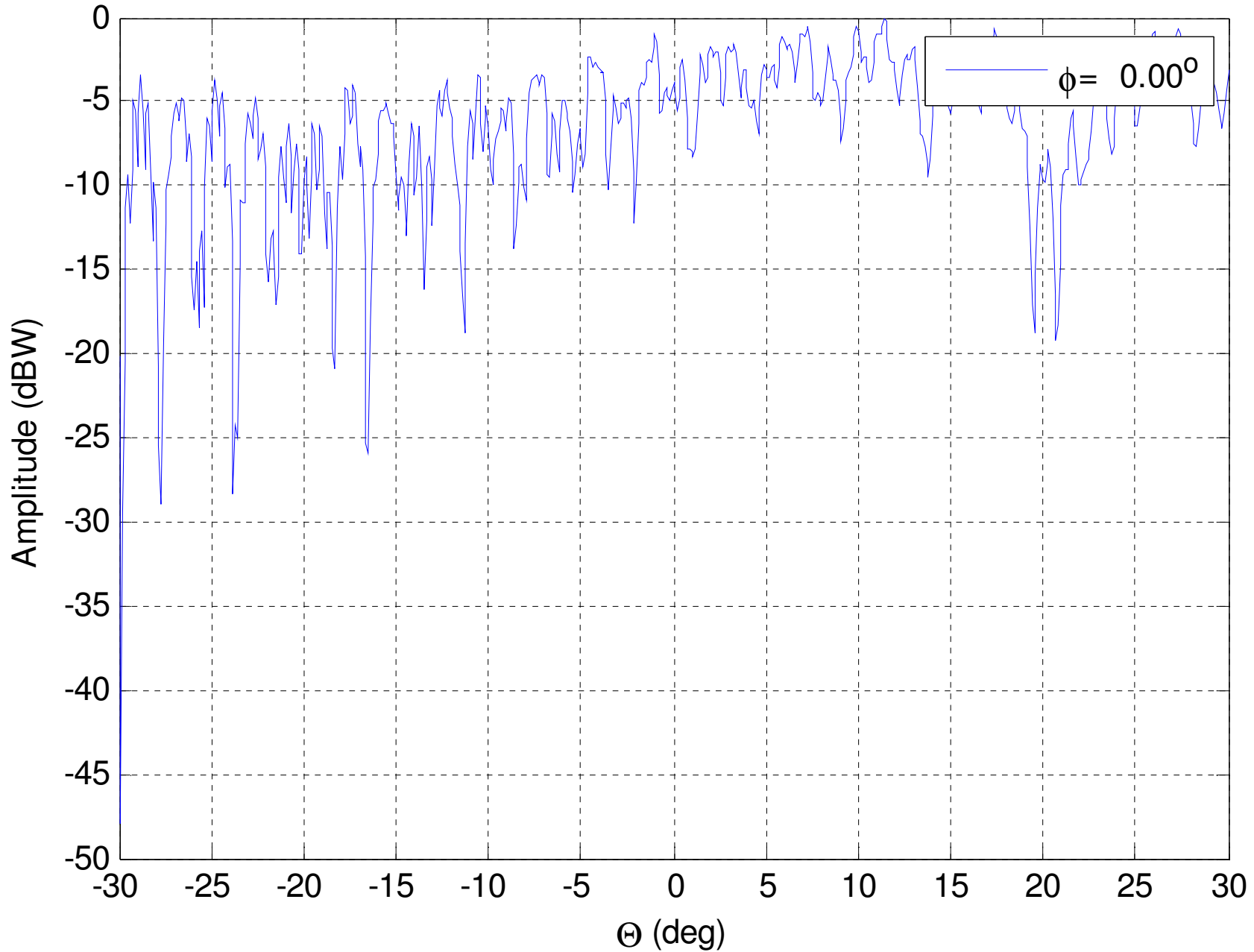
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--10.cut, Peak: -2.21 dBW, Date: 15-Sep-2011



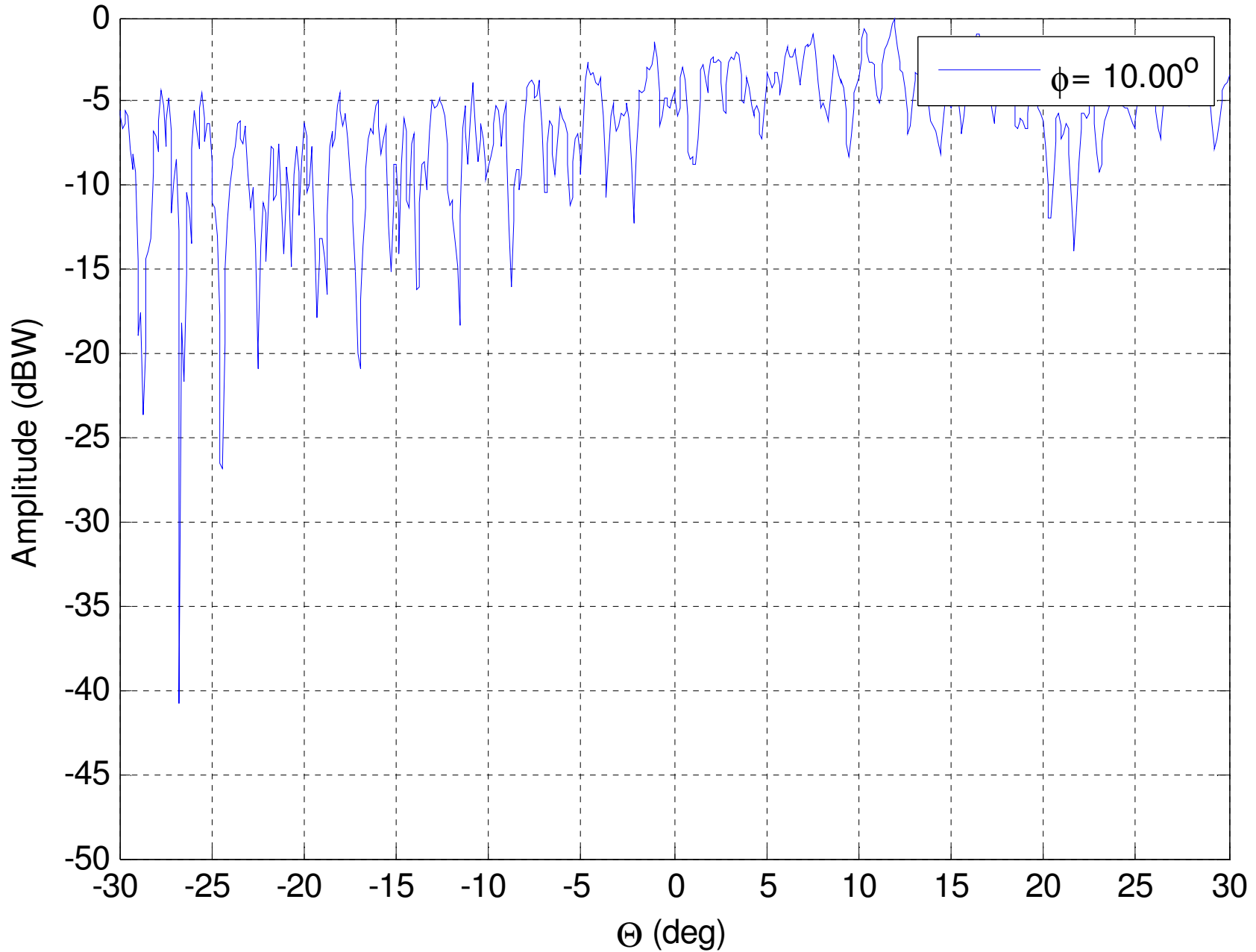
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-0.cut, Peak: -2.24 dBW, Date: 15-Sep-2011



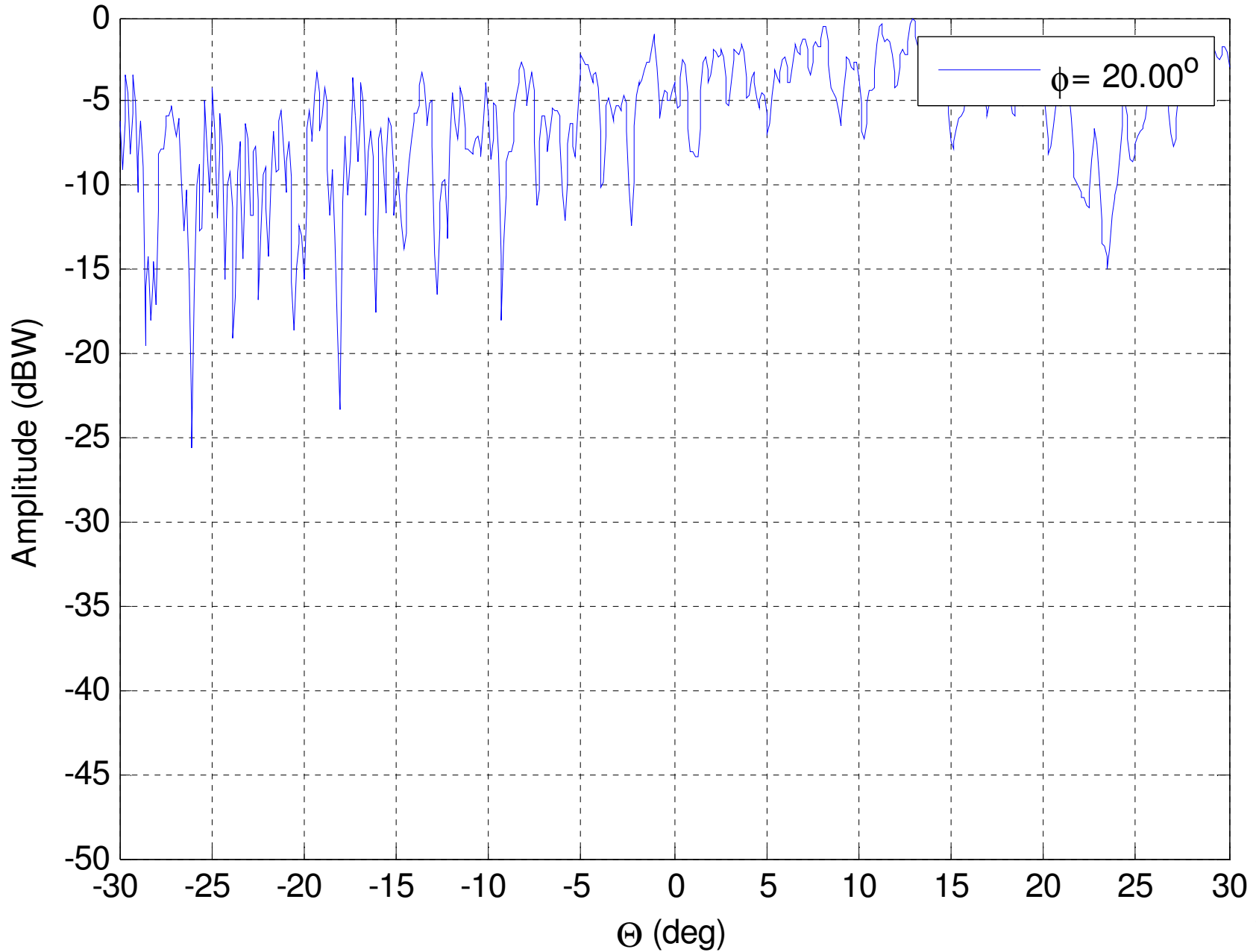
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-10.cut, Peak: -1.76 dBW, Date: 15-Sep-2011



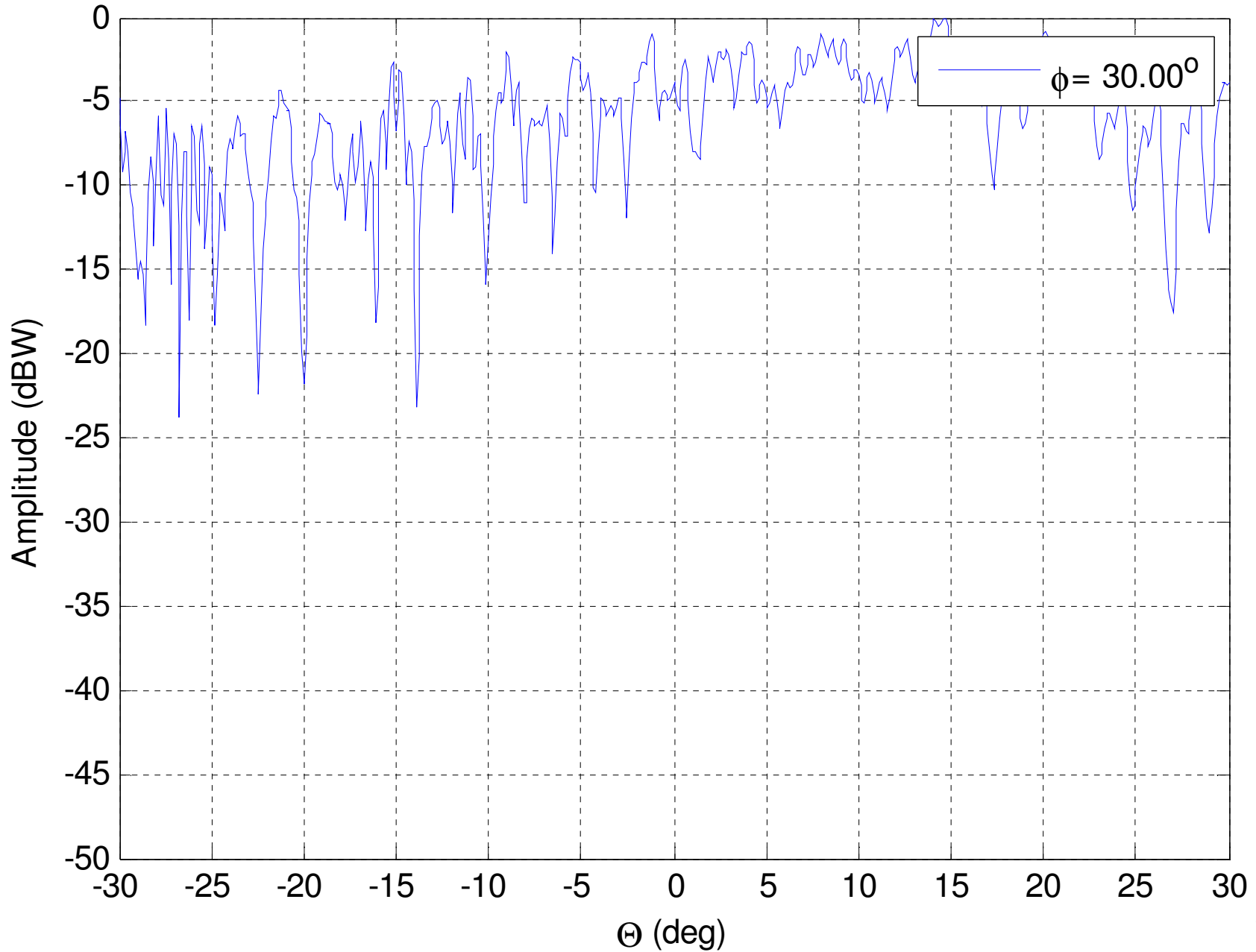
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-20.cut, Peak: -2.18 dBW, Date: 15-Sep-2011



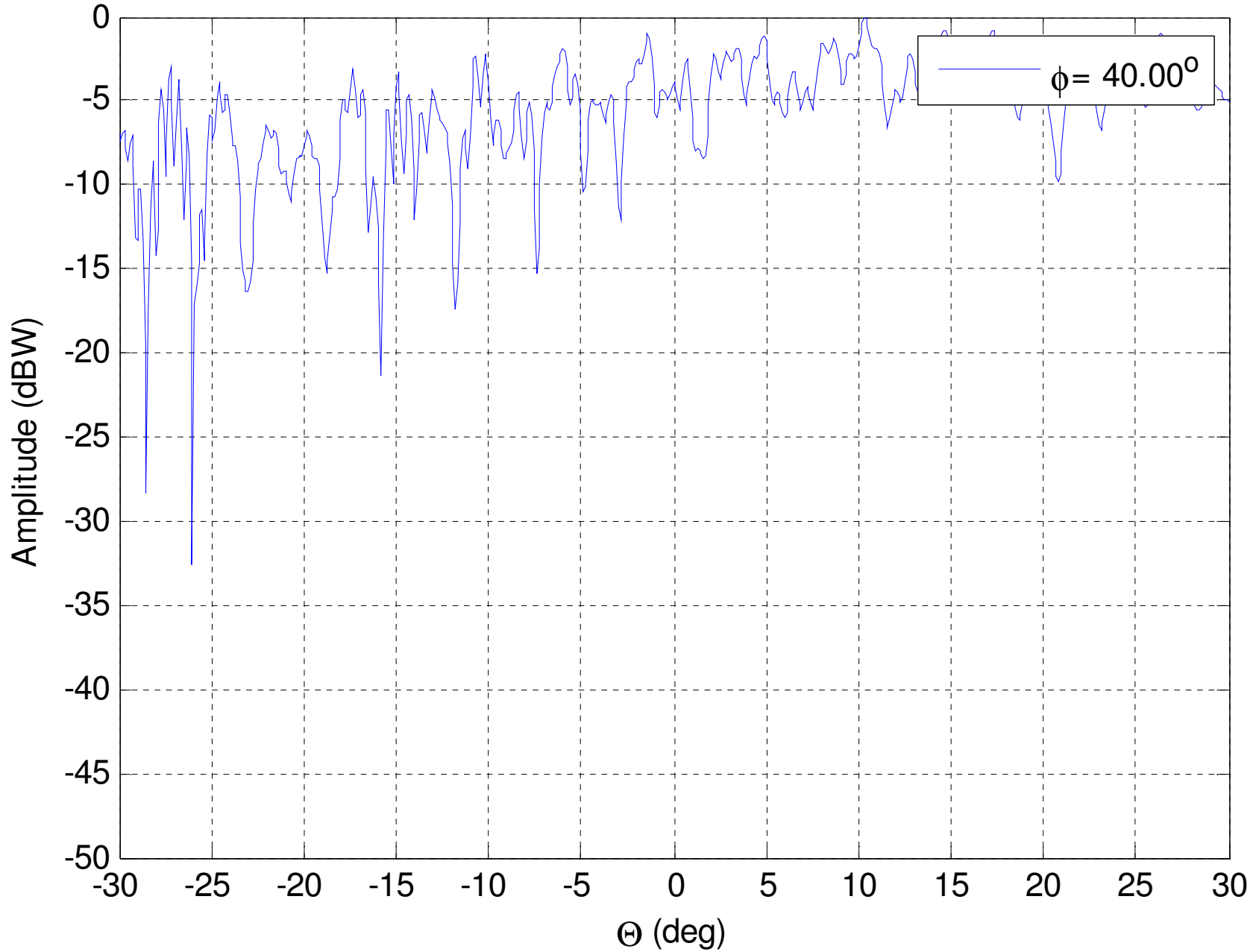
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-30.cut, Peak: -2.16 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

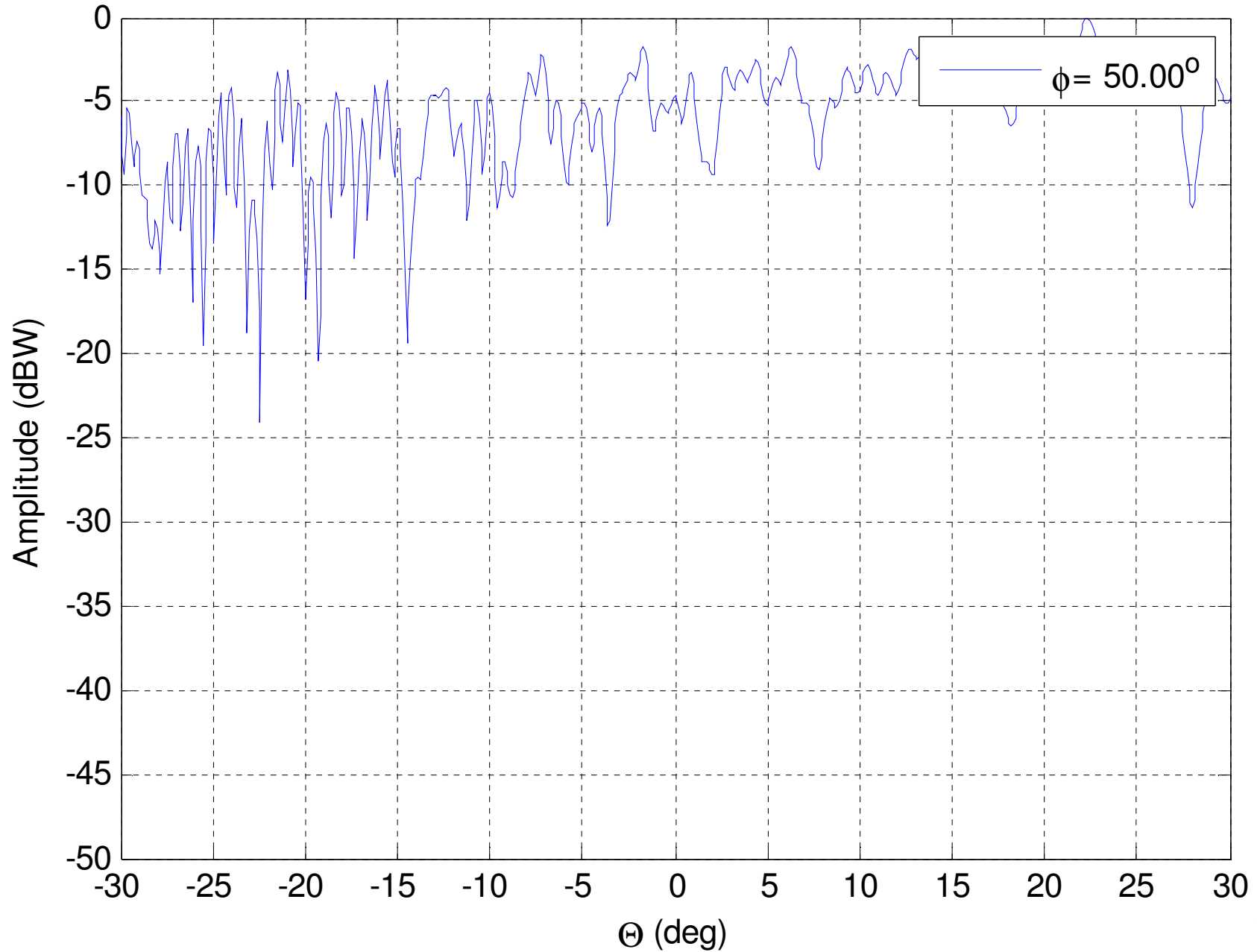
Input file: tx-17.7-rhcp-40.cut, Peak: -2.18 dBW, Date: 15-Sep-2011





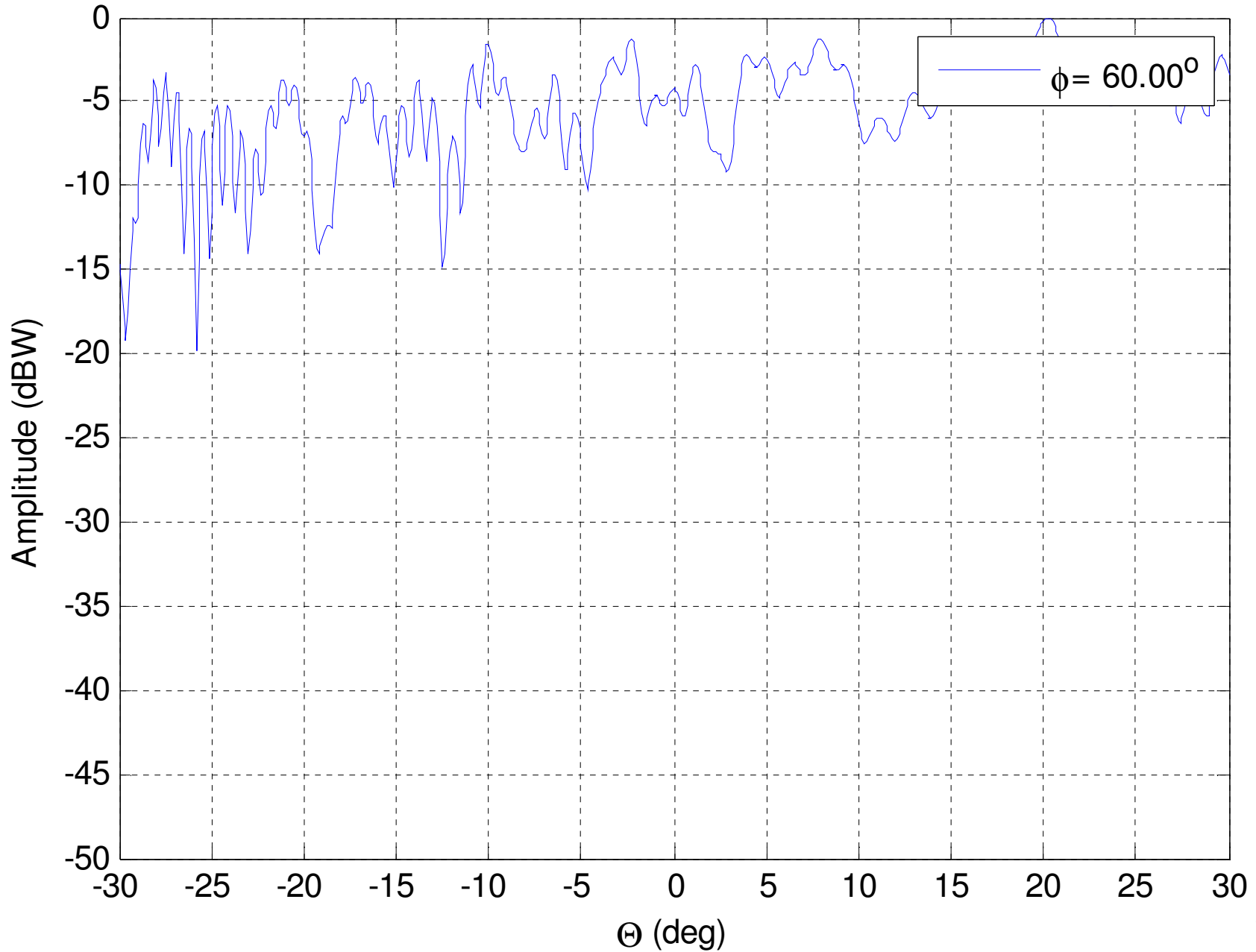
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-50.cut, Peak: -1.42 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

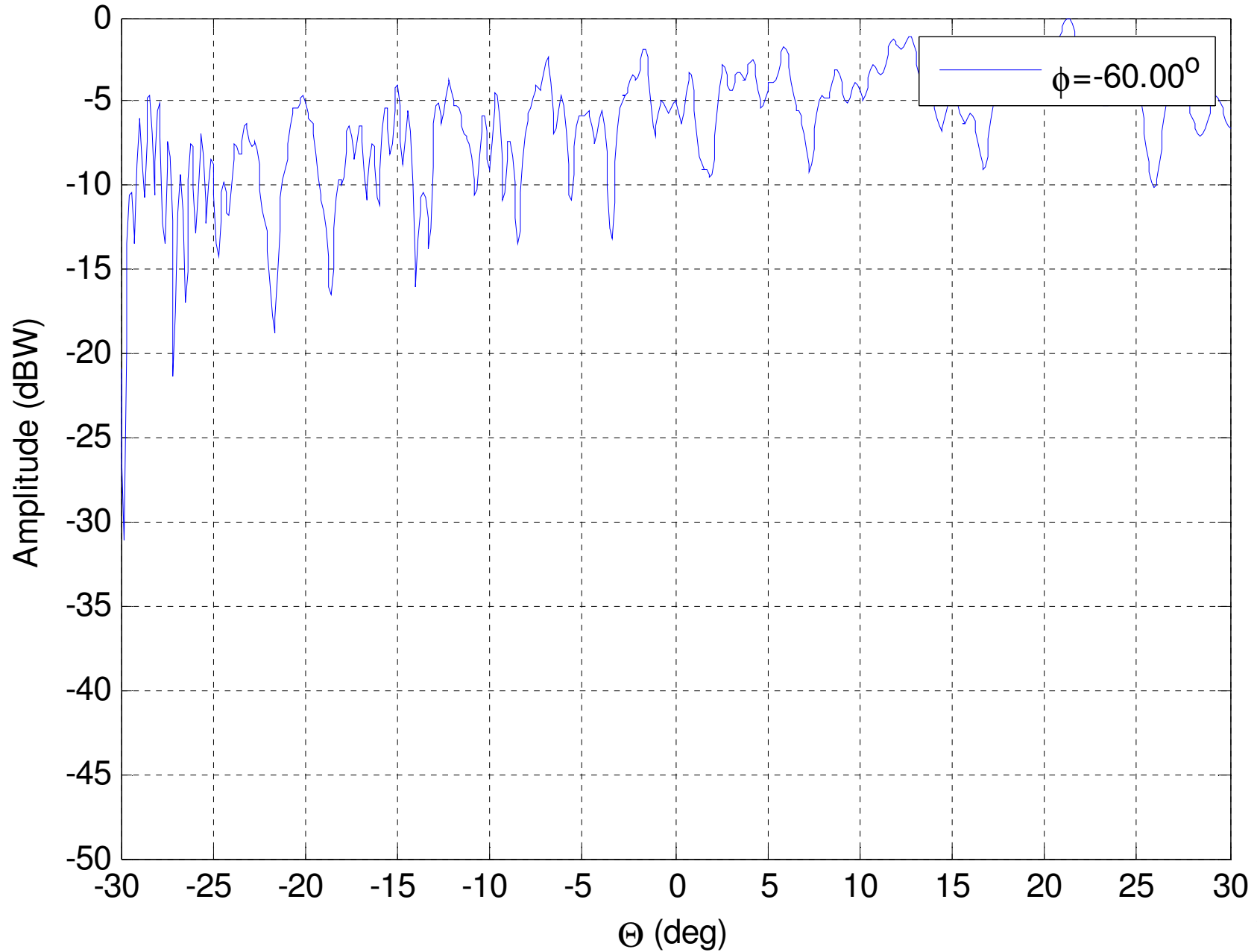
Input file: tx-17.7-rhcp-60.cut, Peak: -1.91 dBW, Date: 15-Sep-2011



# LHCP at 17.7 GHz

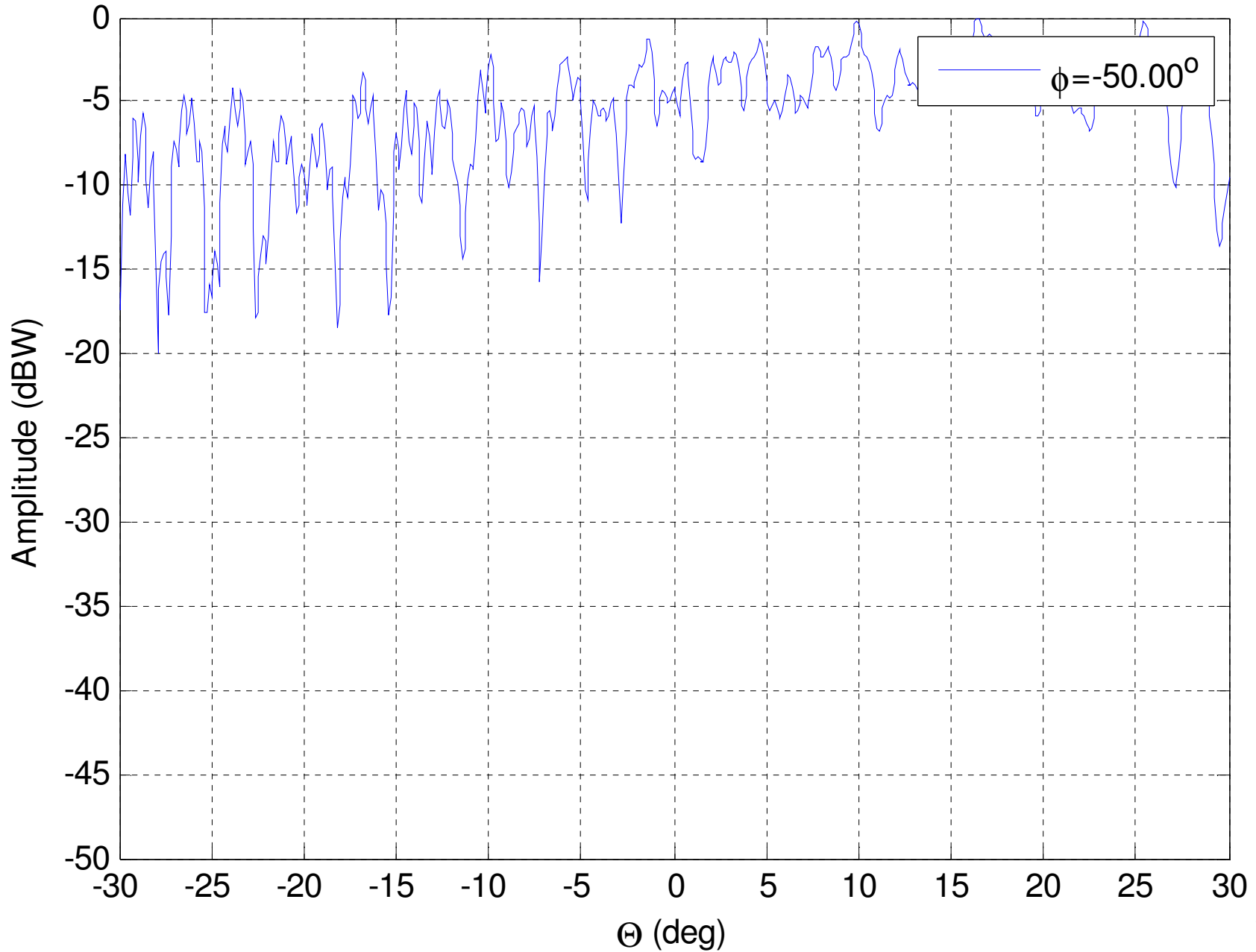
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--60.cut, Peak: -1.33 dBW, Date: 15-Sep-2011



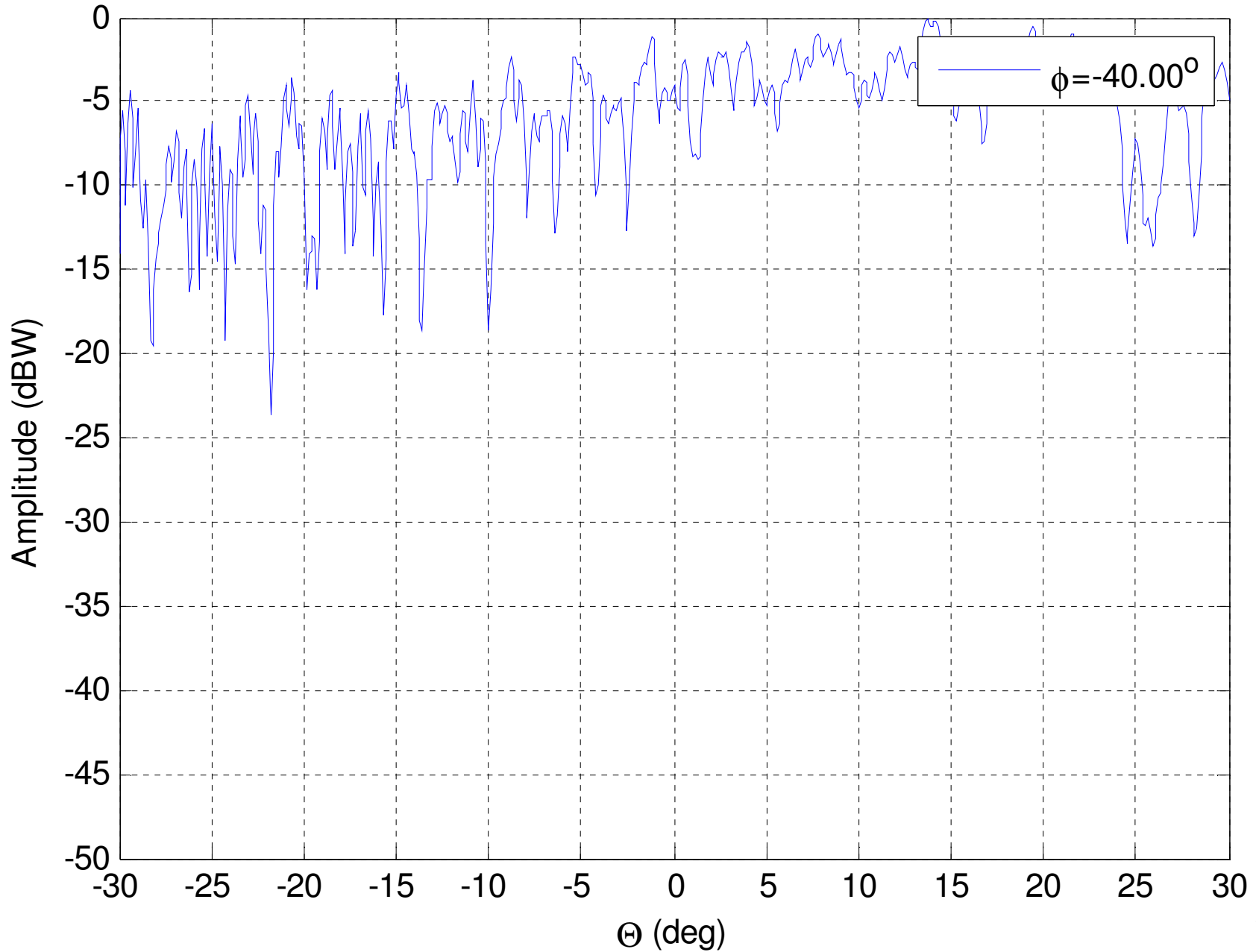
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--50.cut, Peak: -1.97 dBW, Date: 15-Sep-2011



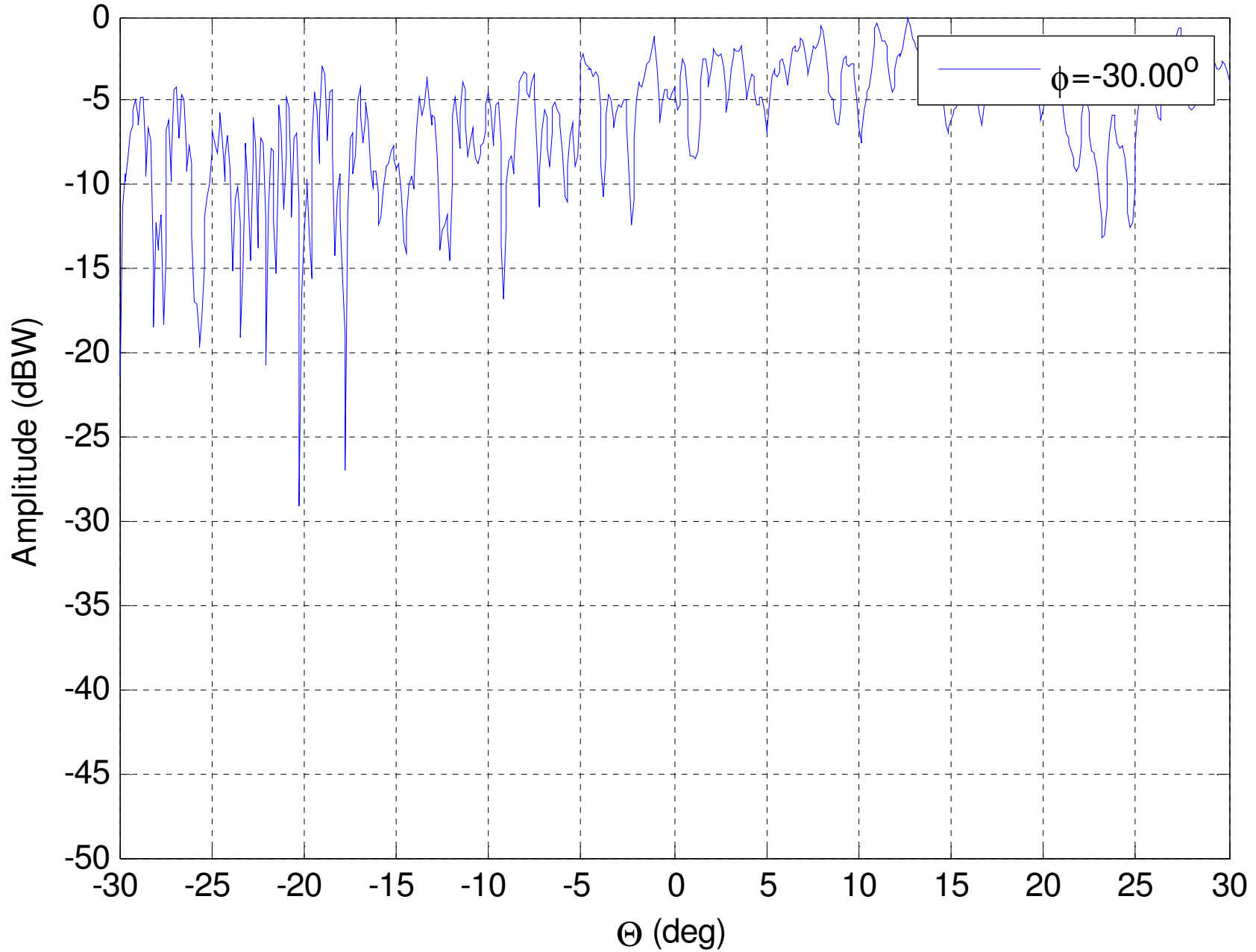
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--40.cut, Peak: -2.12 dBW, Date: 15-Sep-2011



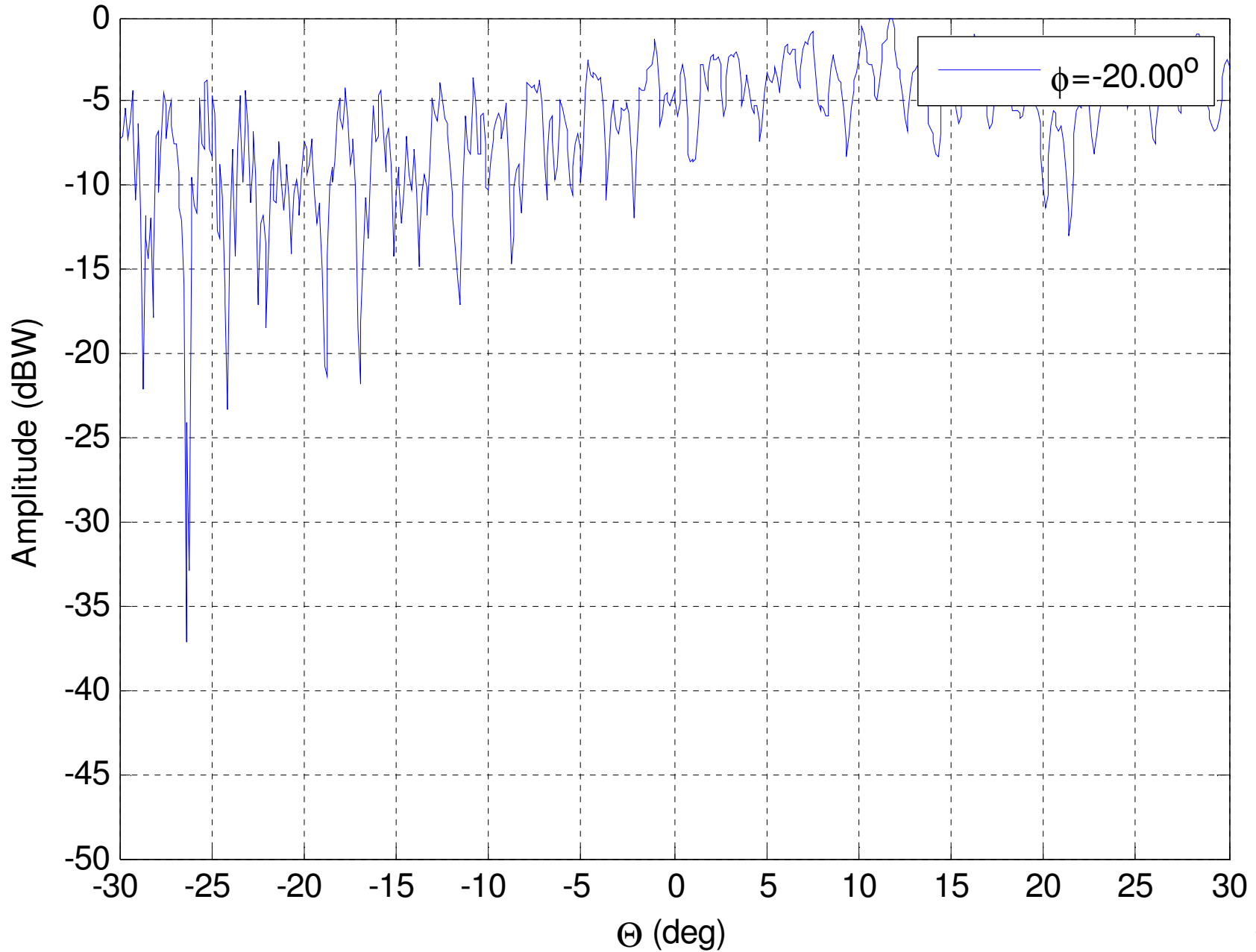
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--30.cut, Peak: -2.08 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

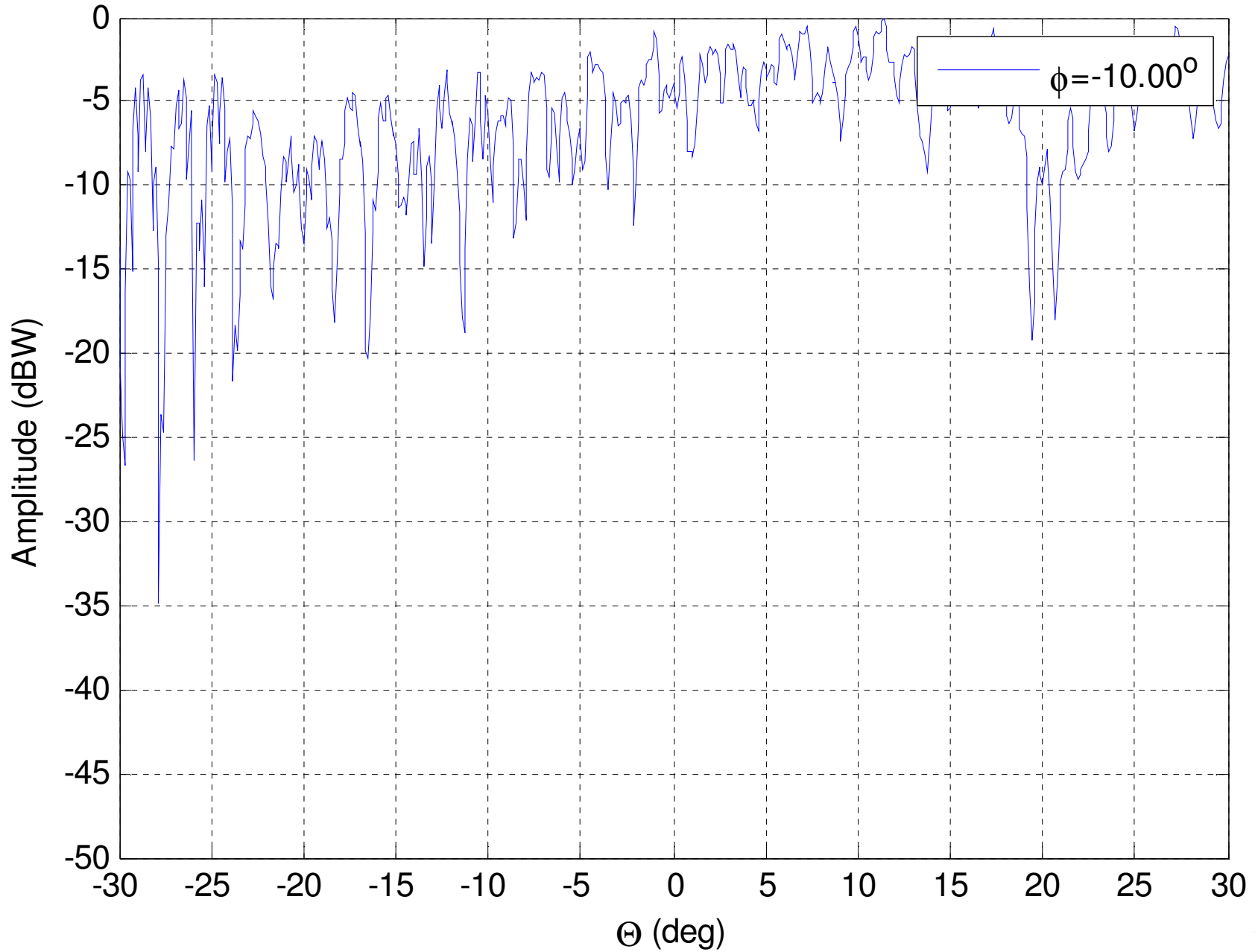
Input file: tx-17.7-lhcp--20.cut, Peak: -1.85 dBW, Date: 15-Sep-2011





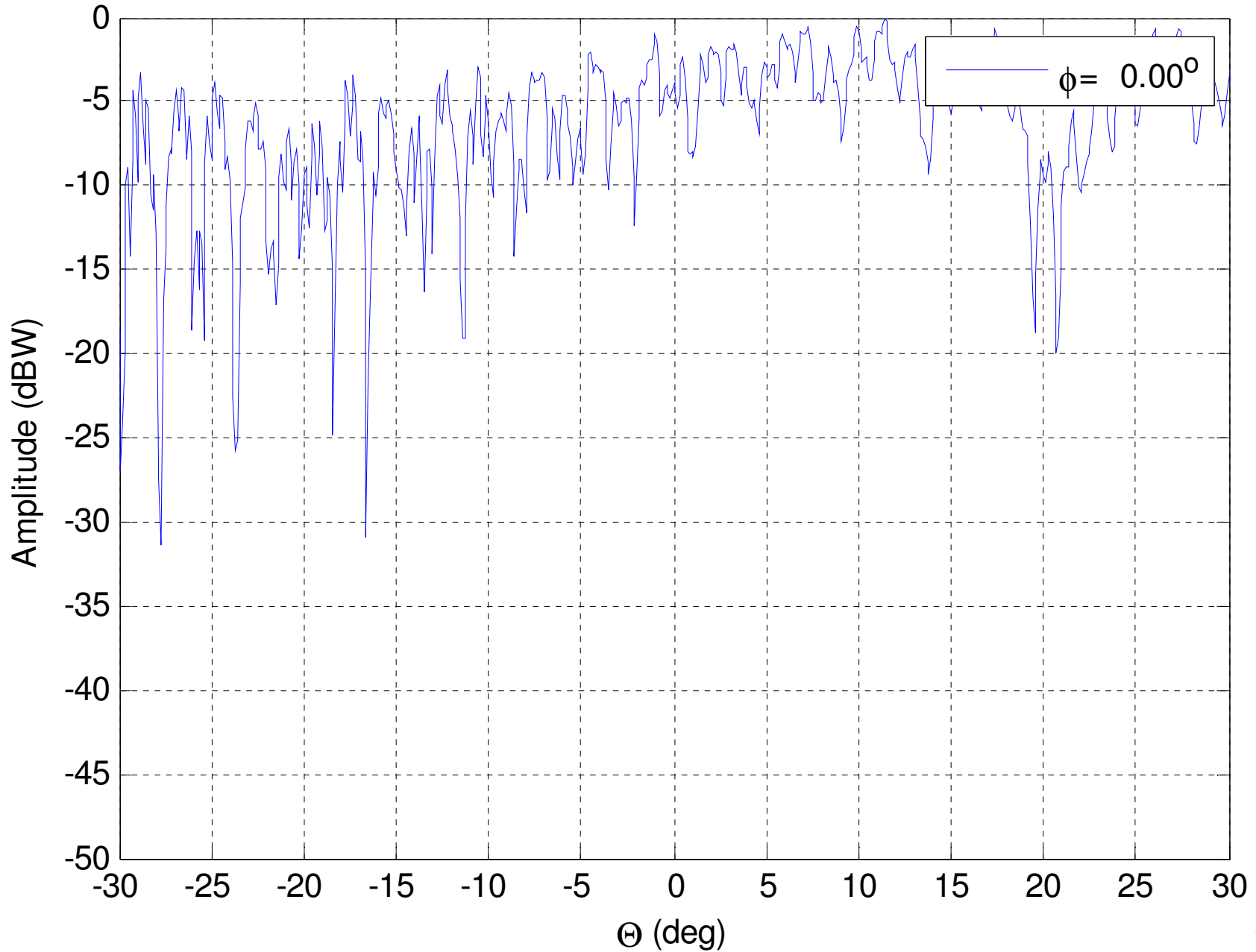
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--10.cut, Peak: -2.29 dBW, Date: 15-Sep-2011



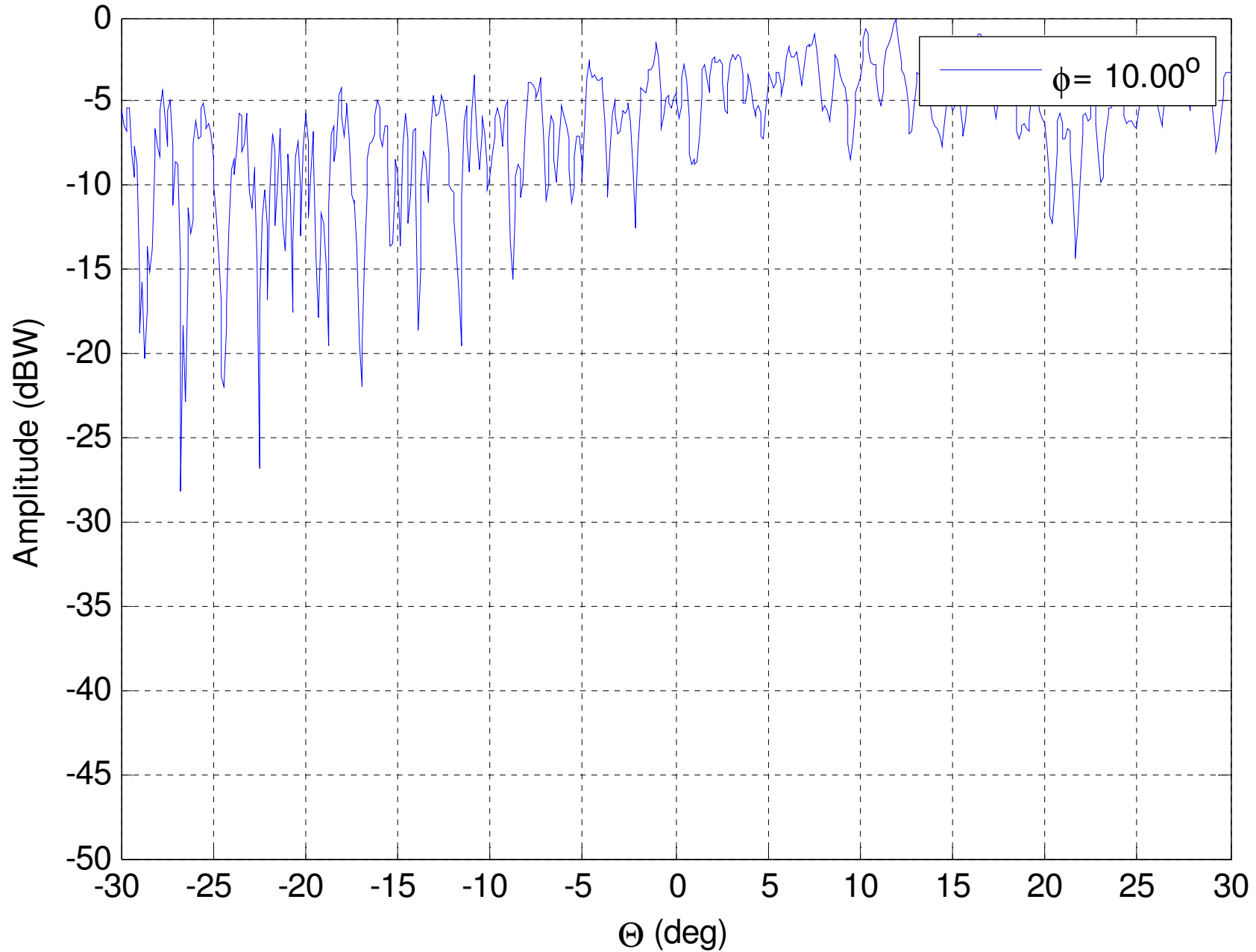
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-0.cut, Peak: -2.27 dBW, Date: 15-Sep-2011



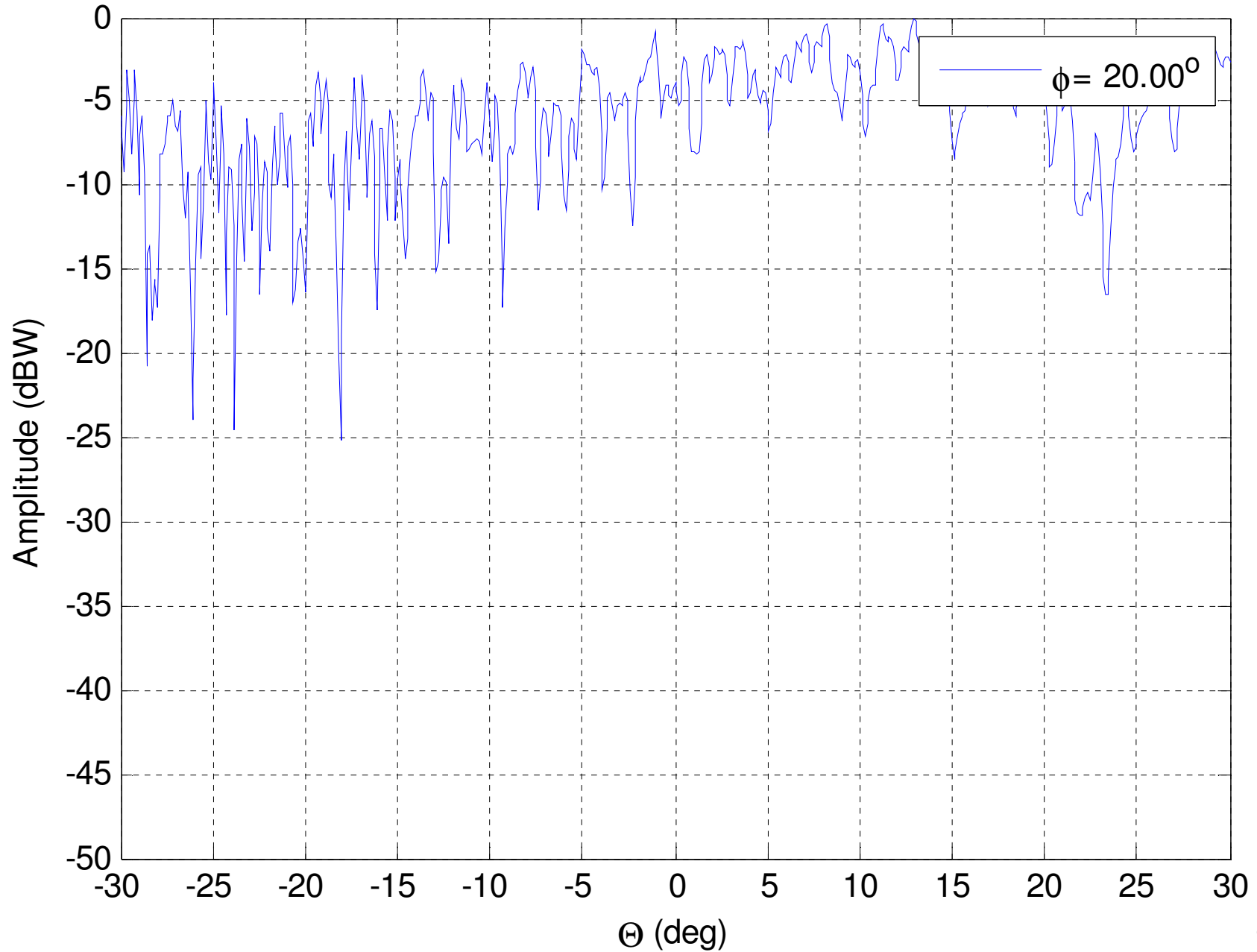
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-10.cut, Peak: -1.74 dBW, Date: 15-Sep-2011



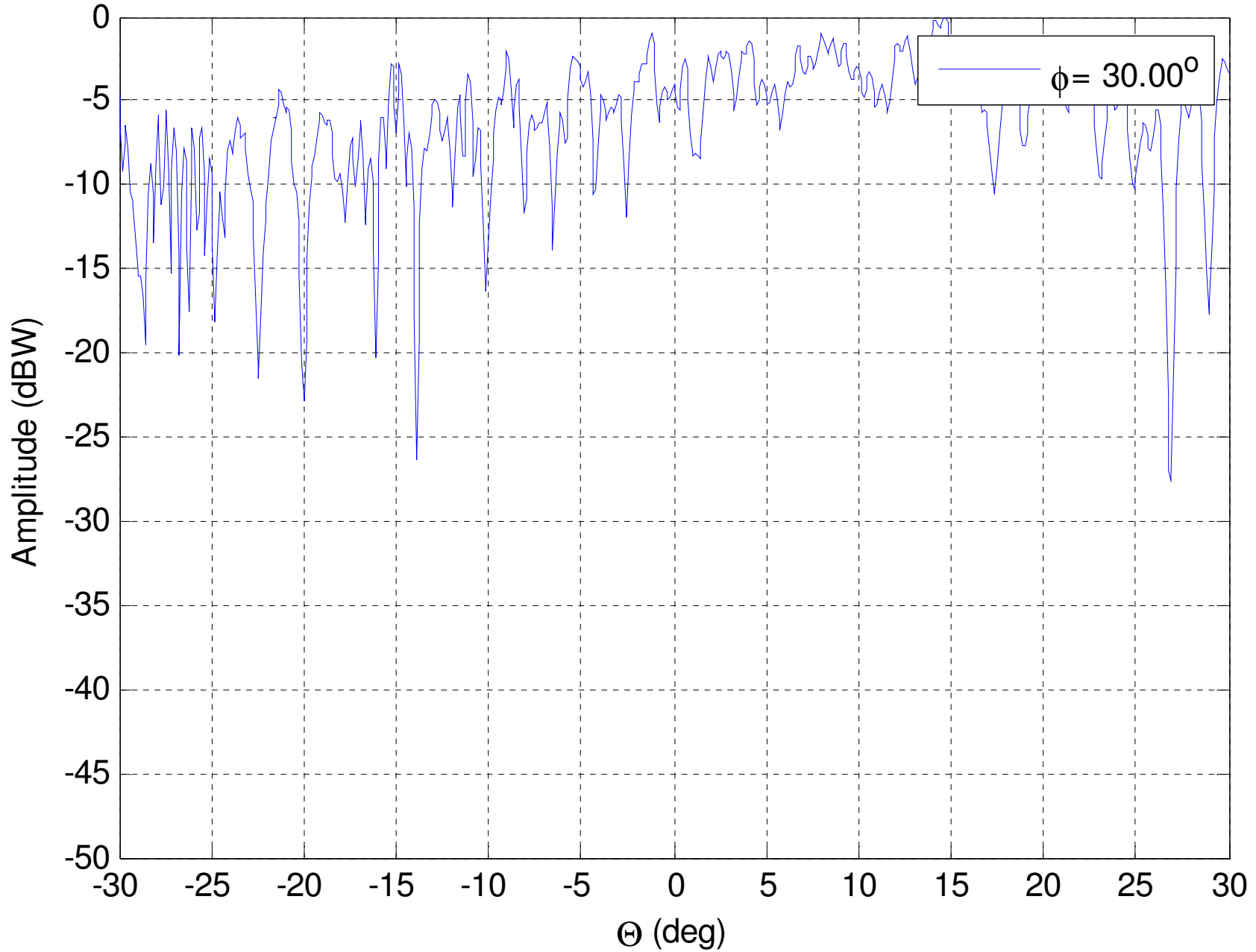
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-20.cut, Peak: -2.33 dBW, Date: 15-Sep-2011



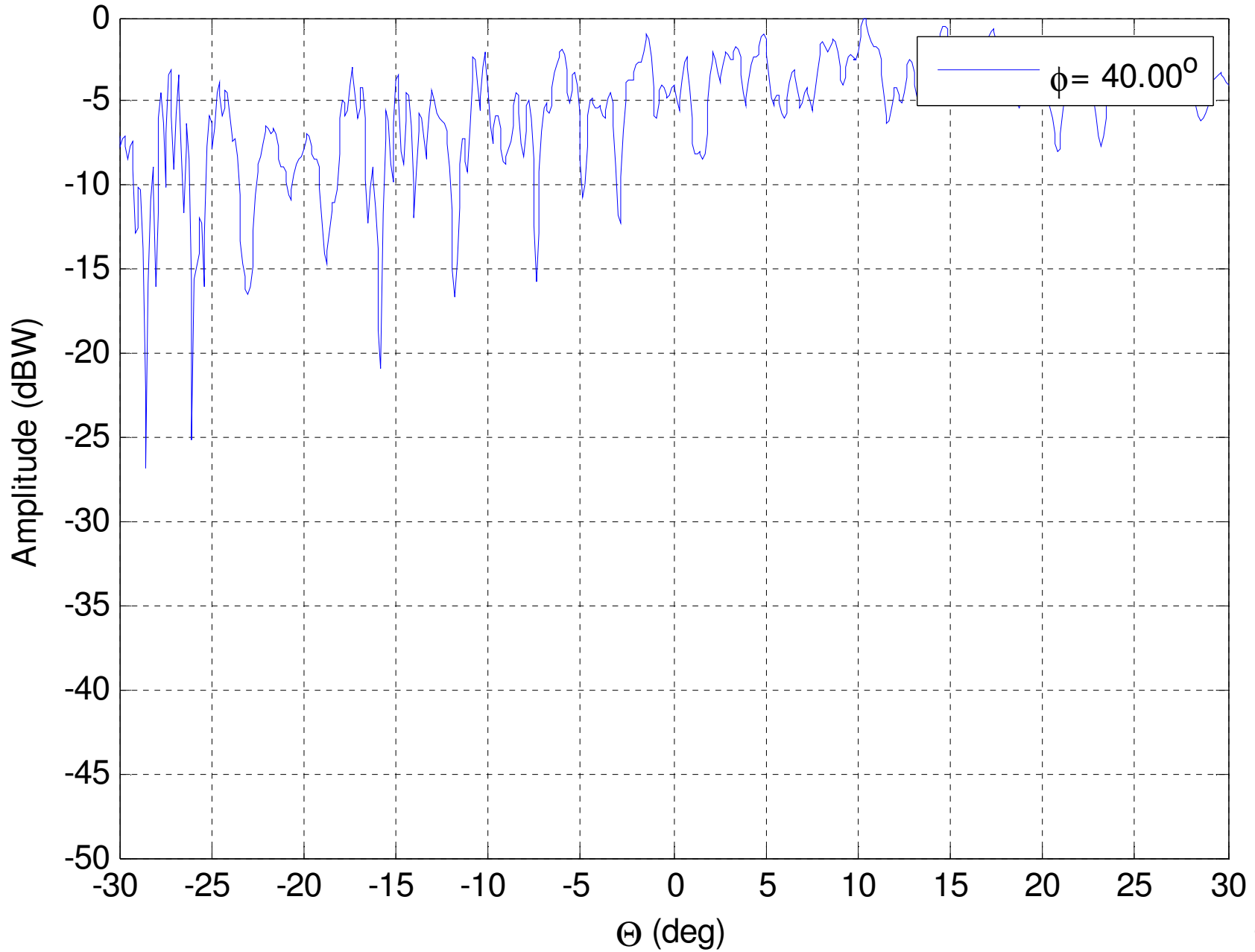
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-30.cut, Peak: -2.13 dBW, Date: 15-Sep-2011



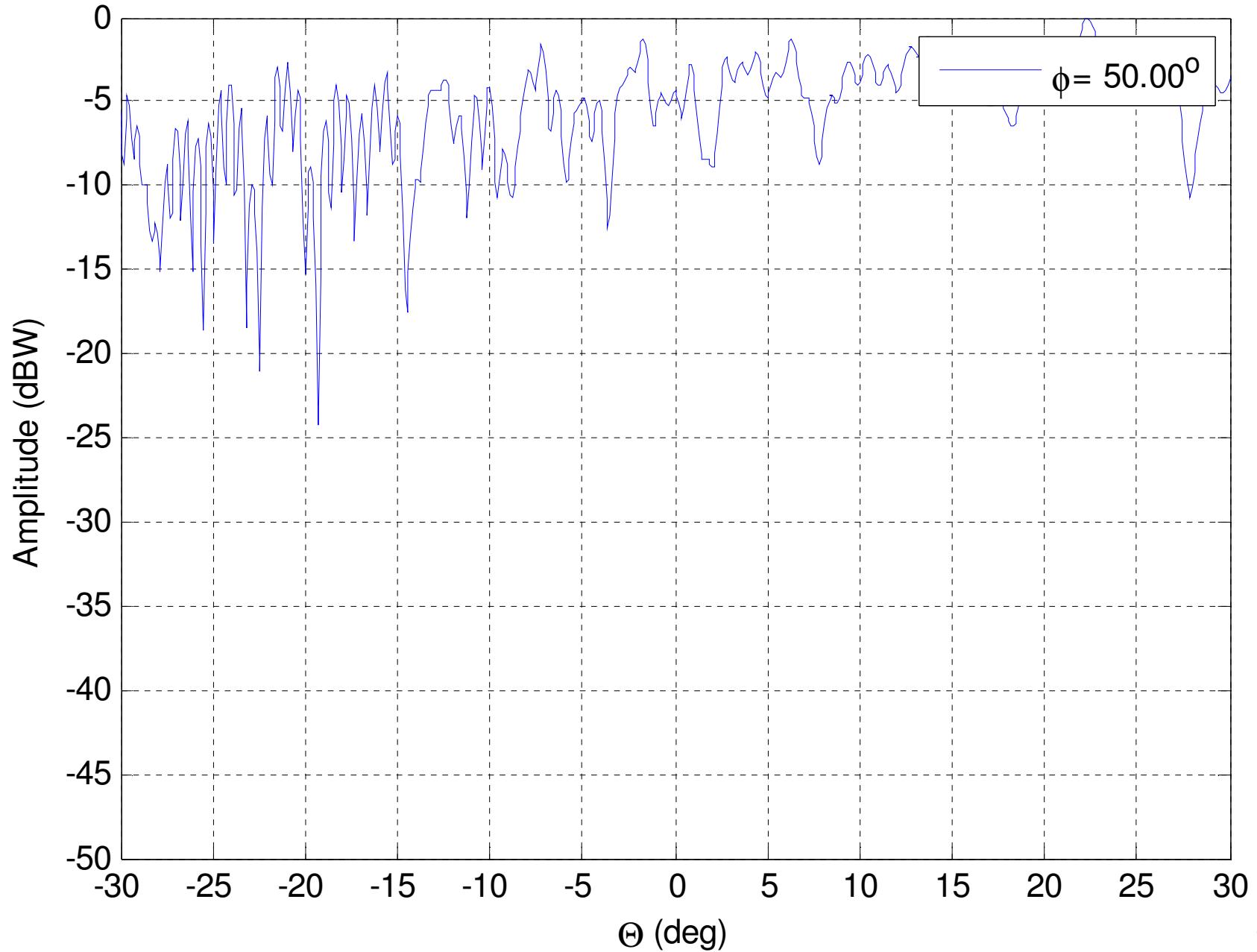
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-40.cut, Peak: -2.23 dBW, Date: 15-Sep-2011



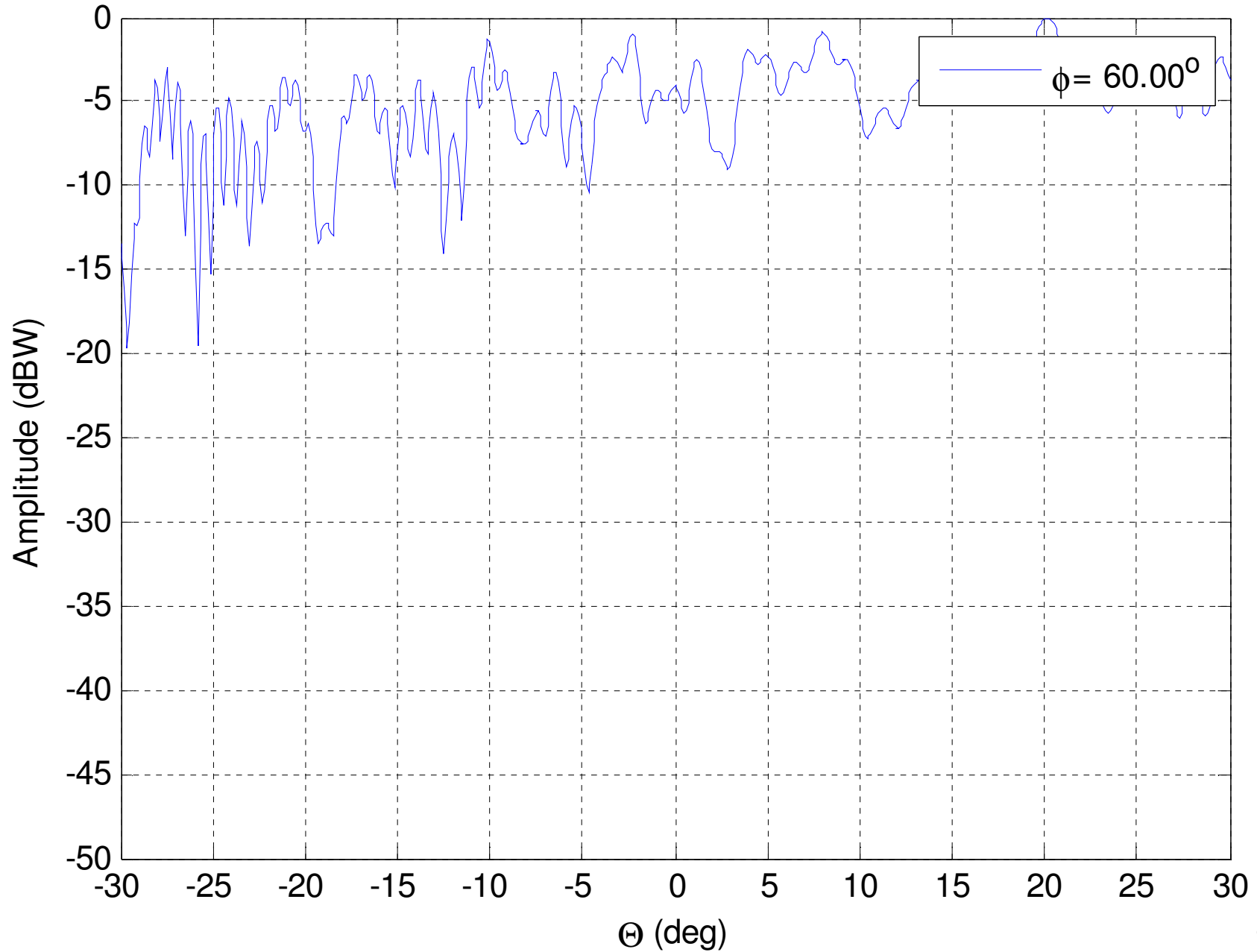
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-50.cut, Peak: -1.81 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-60.cut, Peak: -2.11 dBW, Date: 15-Sep-2011





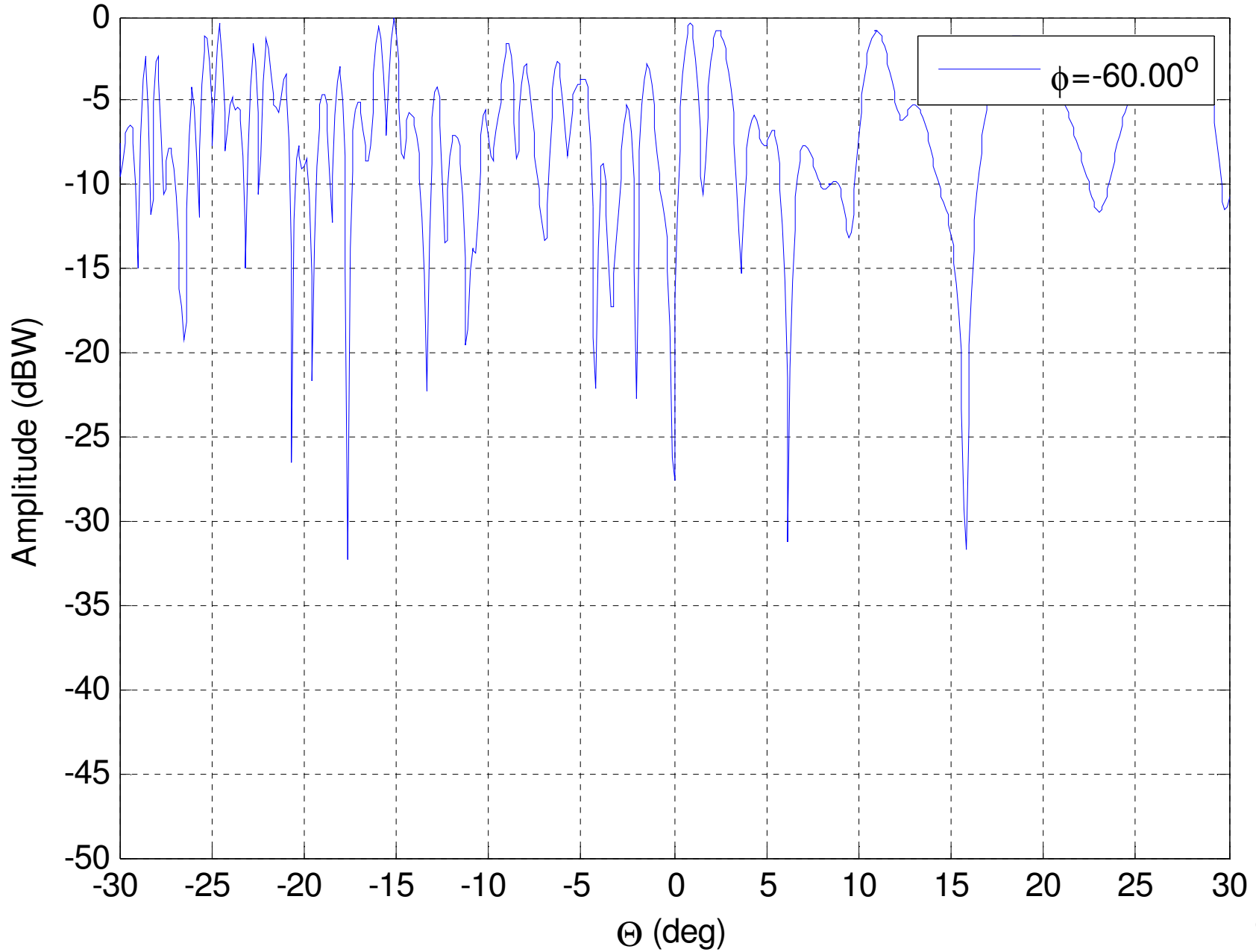
# CONUS Beam, +X Axis Plots

- Both polarizations; RHCP, LHCP
- $-30 < \Theta < 30$  ( $\Theta=0$ : -X -axis)
- $-60 < \phi < 60$
- Freq = 17.3, 17.5, and 17.7 GHz
- The Zero reference line is the peak EIRP listed in the title of each chart
- To convert to antenna directivity subtract the 23.1 dBW conversion factor from the amplitude
- All levels are significantly below the required +50.0 dBW EIRP shown on chart 2

# RHCP at 17.3 GHz

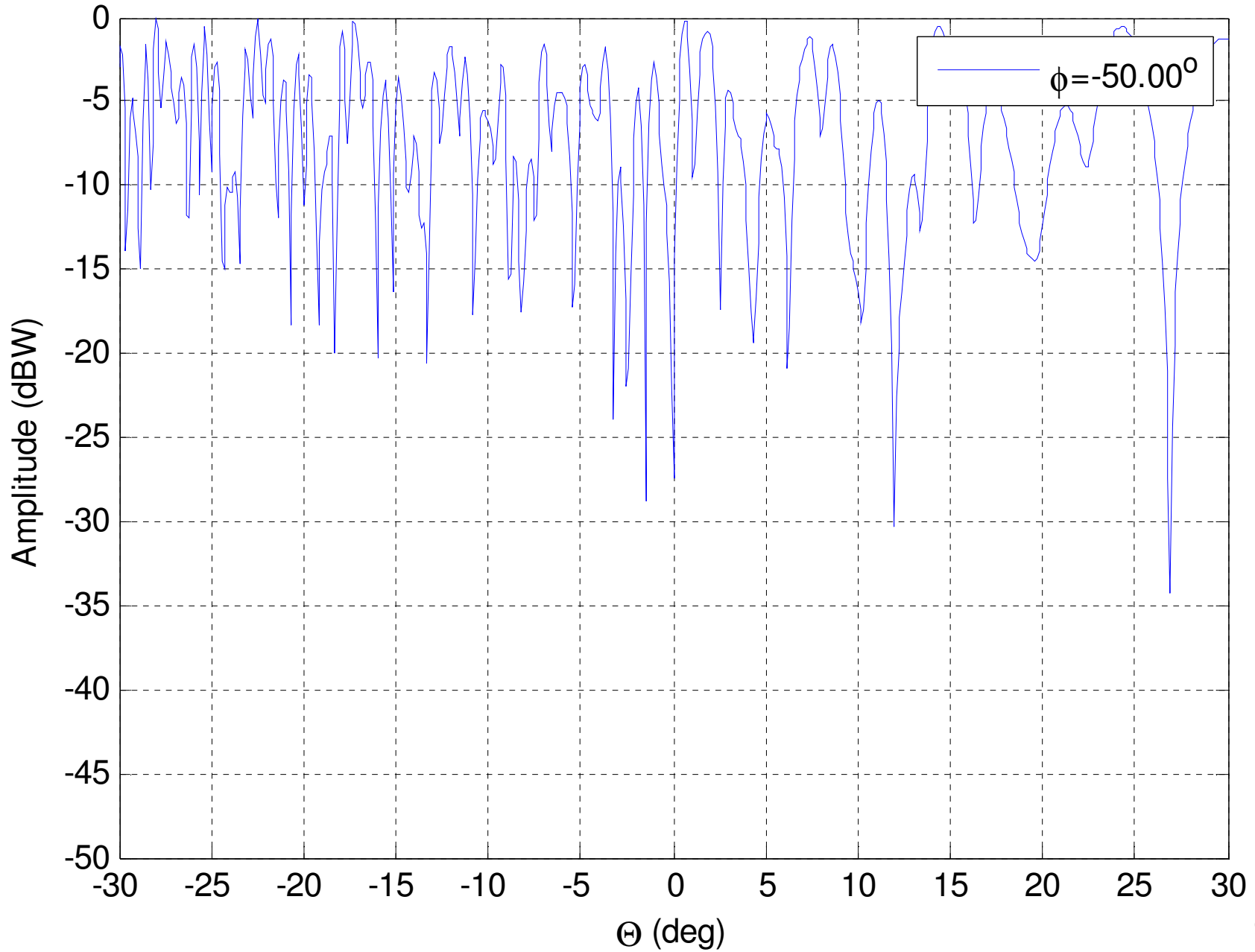
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--60.cut, Peak: -1.54 dBW, Date: 15-Sep-2011



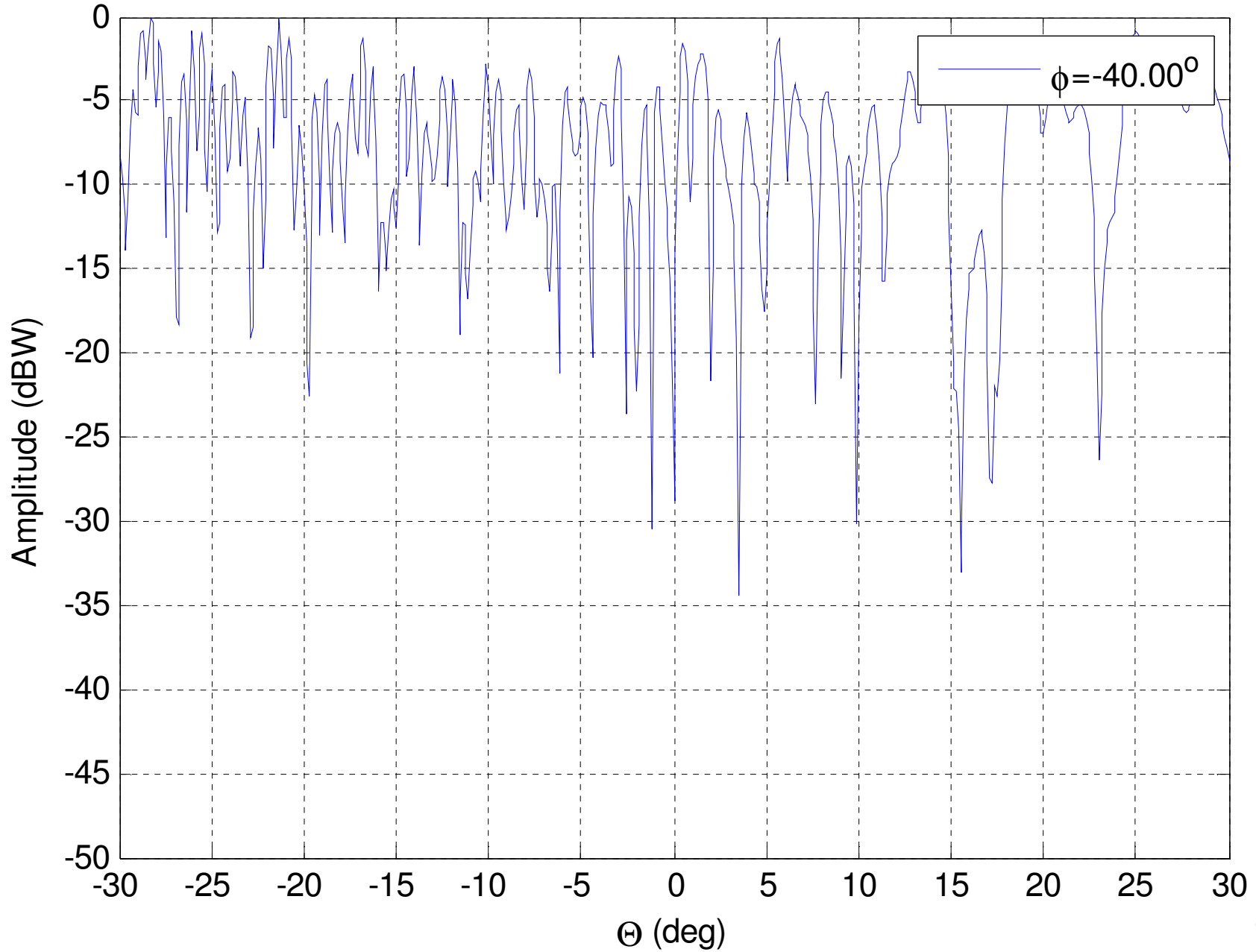
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--50.cut, Peak: -1.72 dBW, Date: 15-Sep-2011



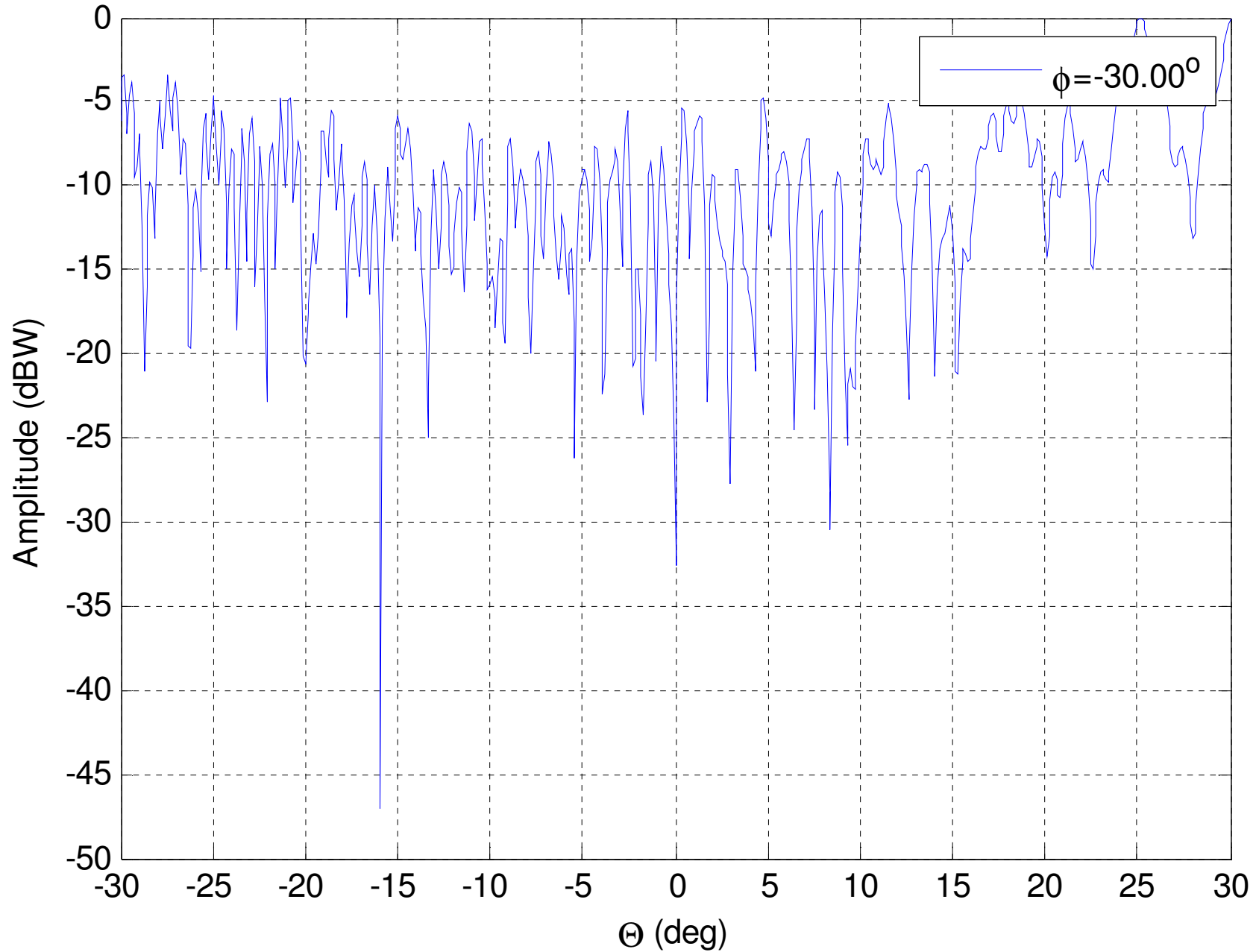
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--40.cut, Peak: -0.31 dBW, Date: 15-Sep-2011



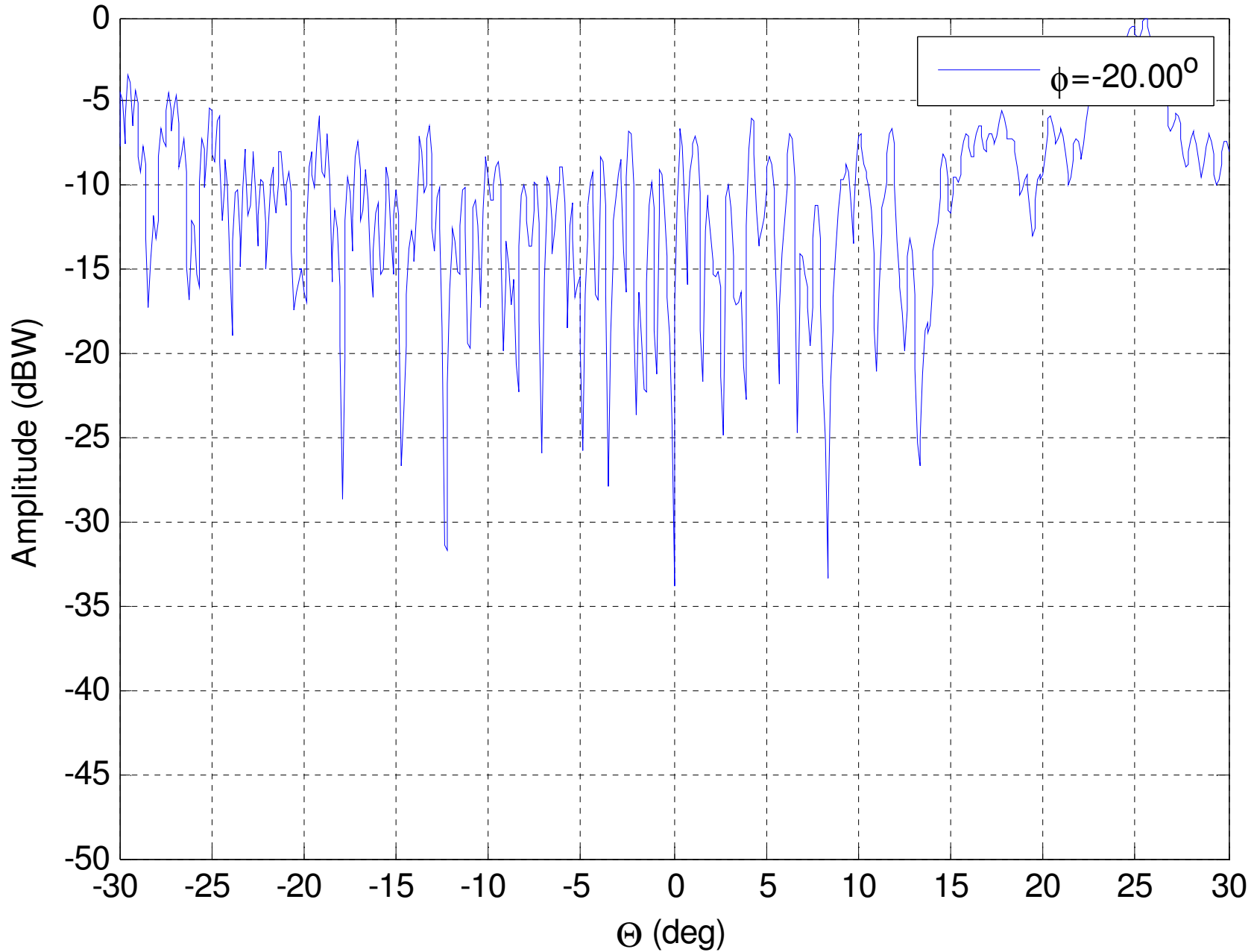
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--30.cut, Peak: 3.40 dBW, Date: 15-Sep-2011



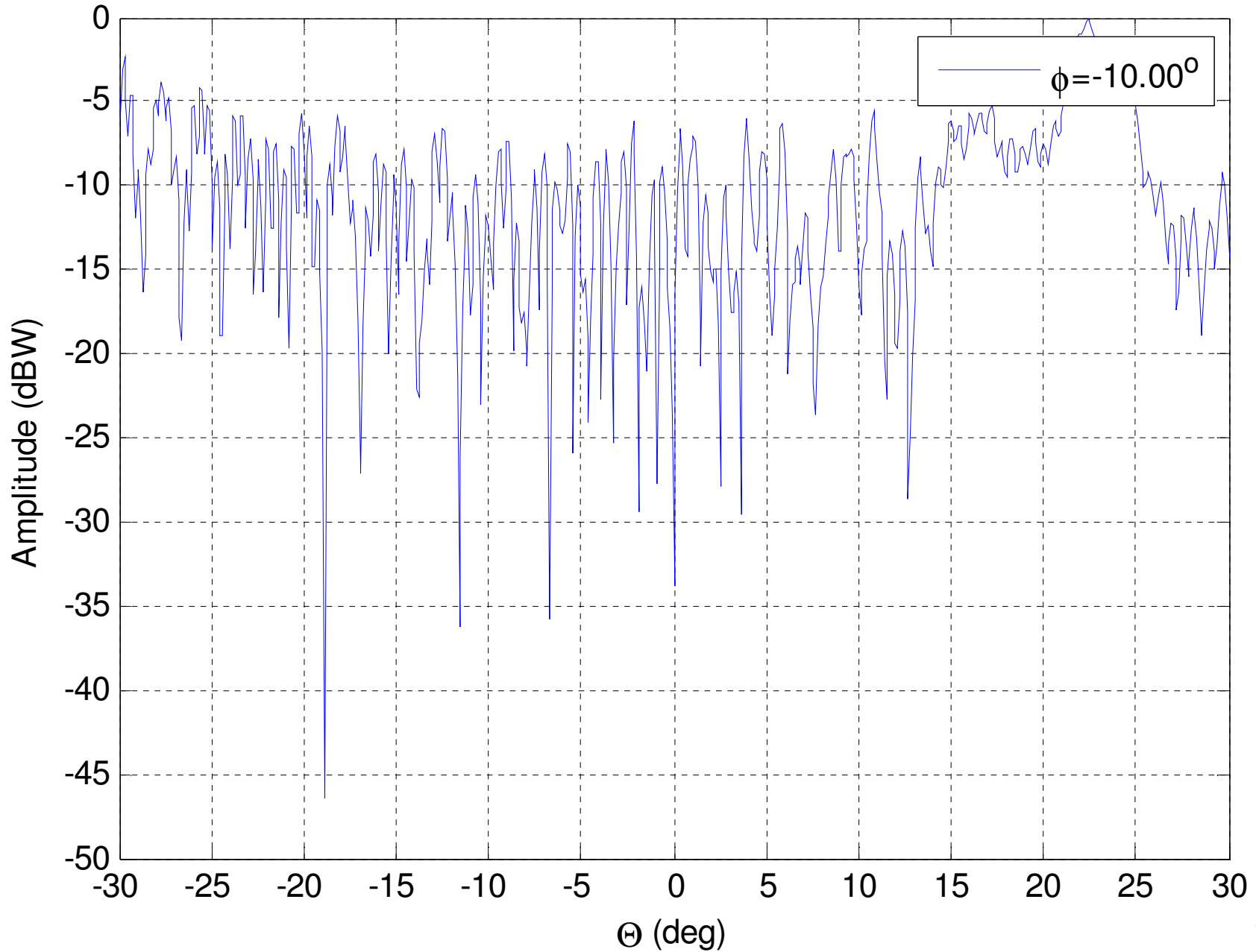
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--20.cut, Peak: 4.69 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

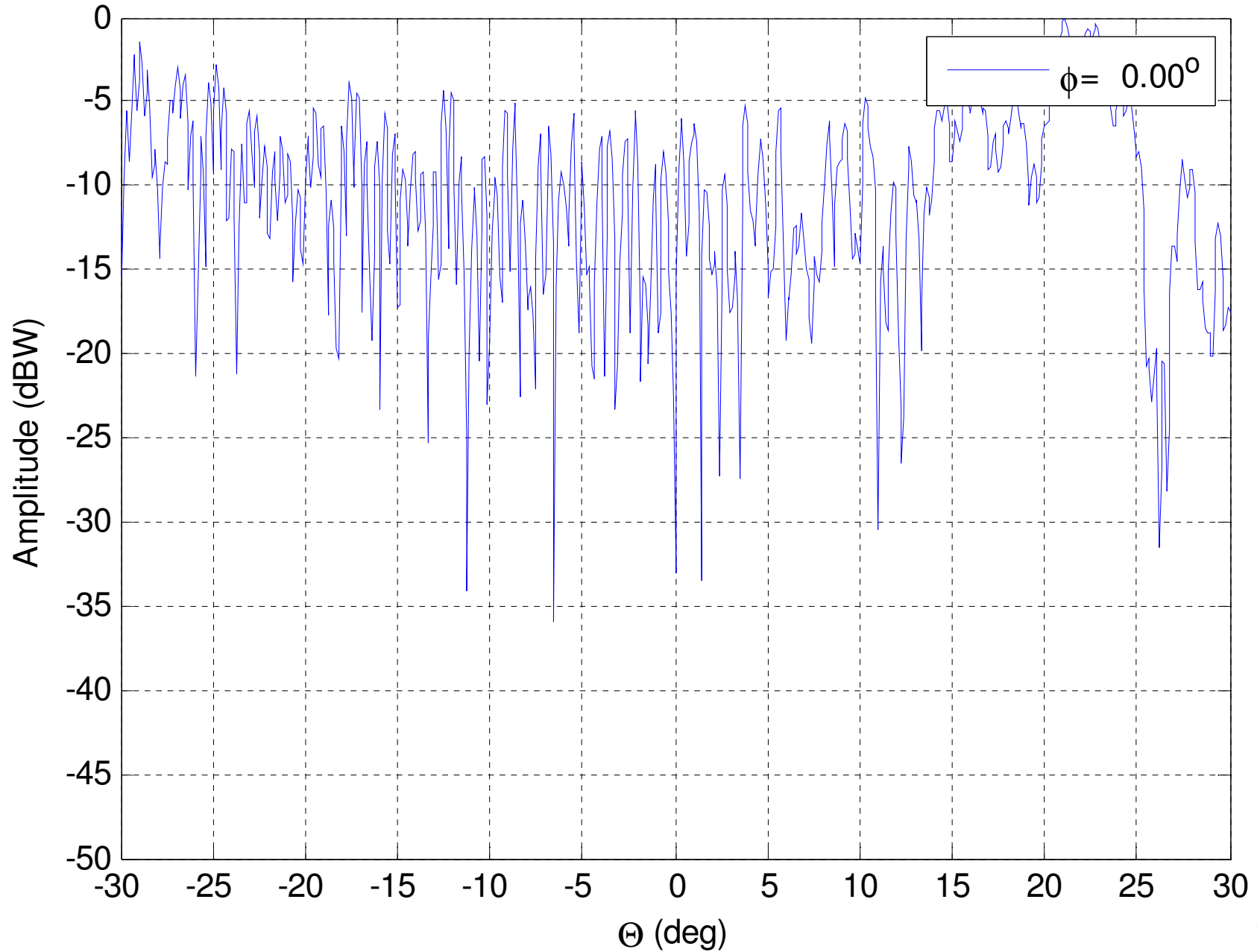
Input file: tx-17.3-rhcp--10.cut, Peak: 4.64 dBW, Date: 15-Sep-2011





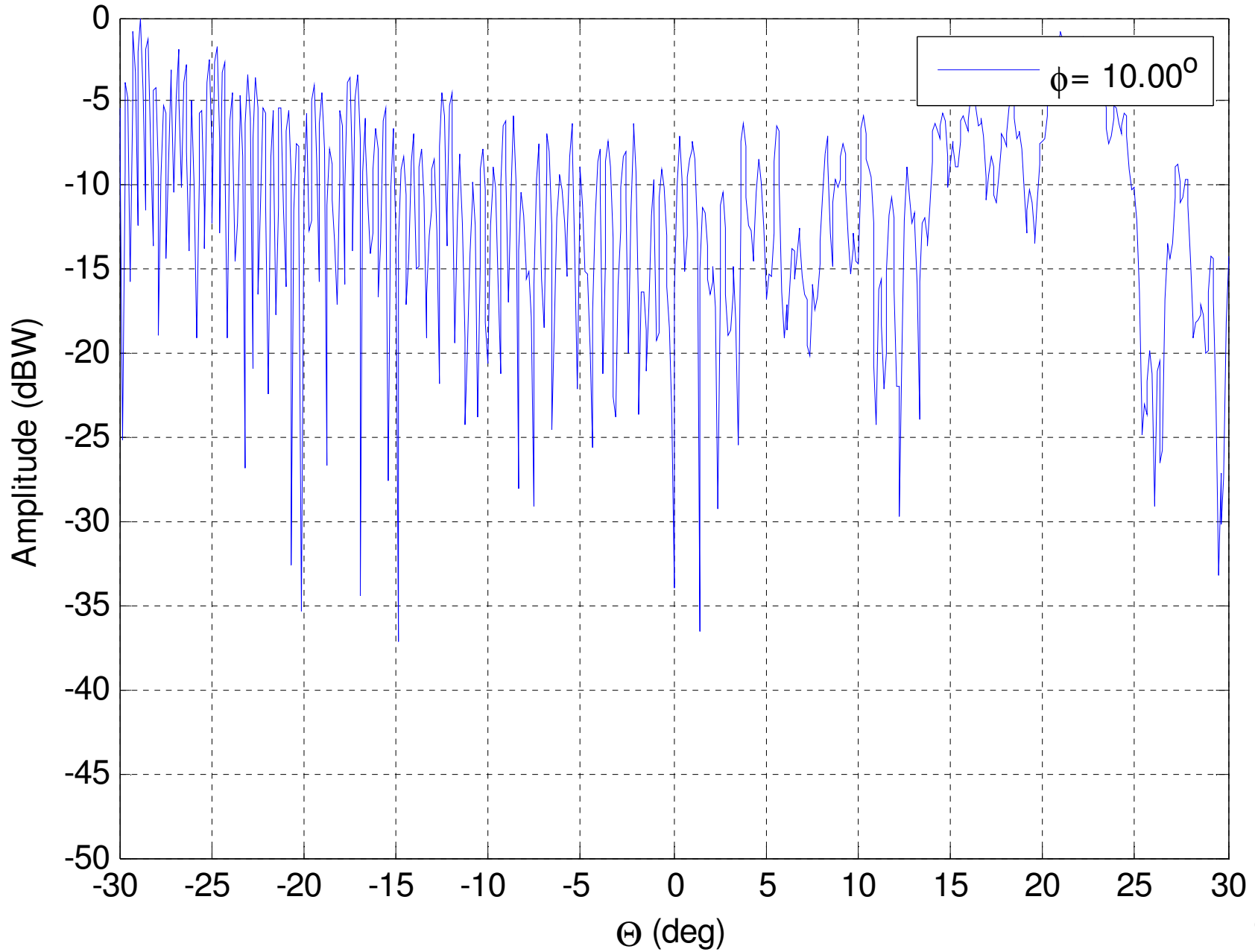
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-0.cut, Peak: 3.93 dBW, Date: 15-Sep-2011



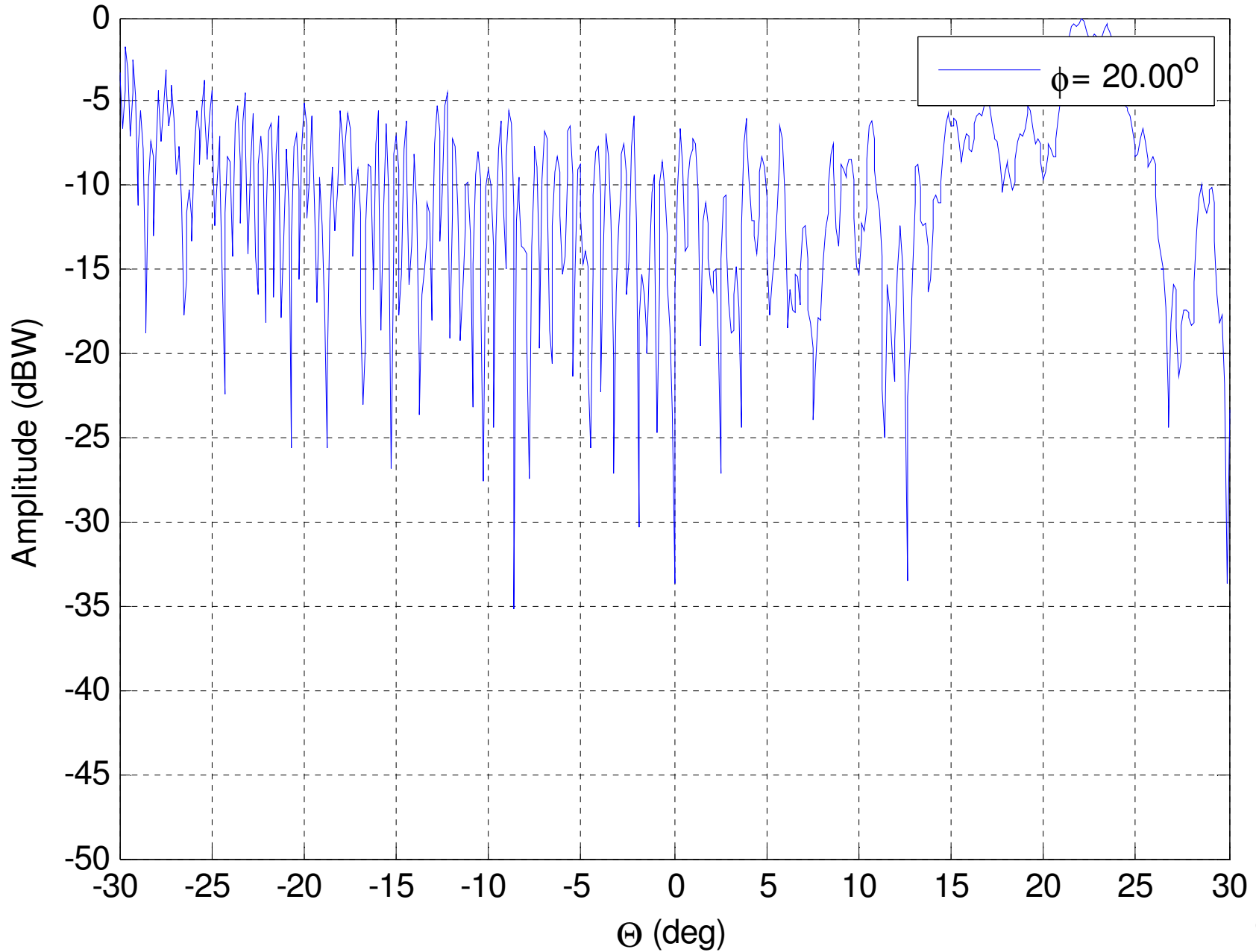
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-10.cut, Peak: 4.87 dBW, Date: 15-Sep-2011



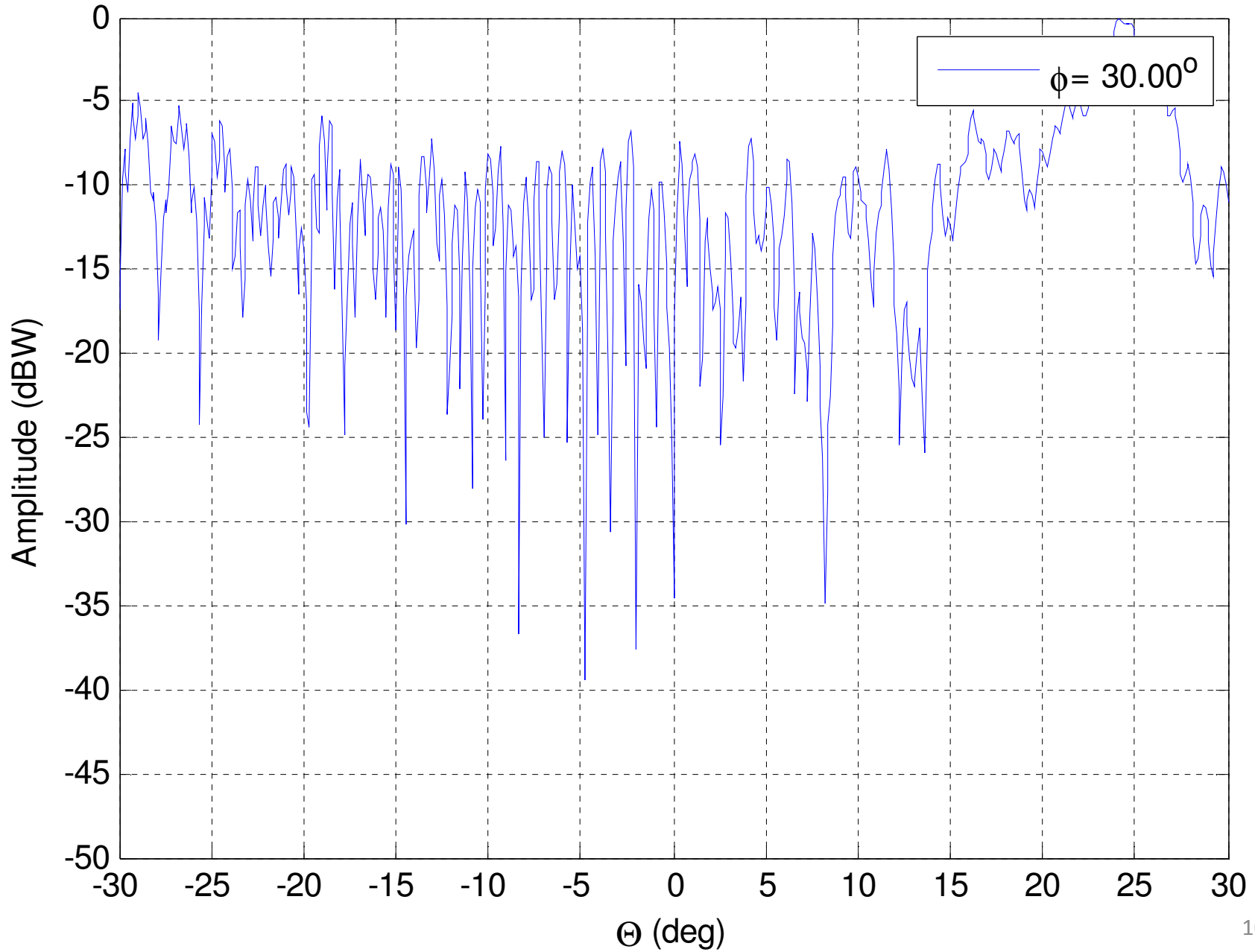
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-20.cut, Peak: 4.57 dBW, Date: 15-Sep-2011



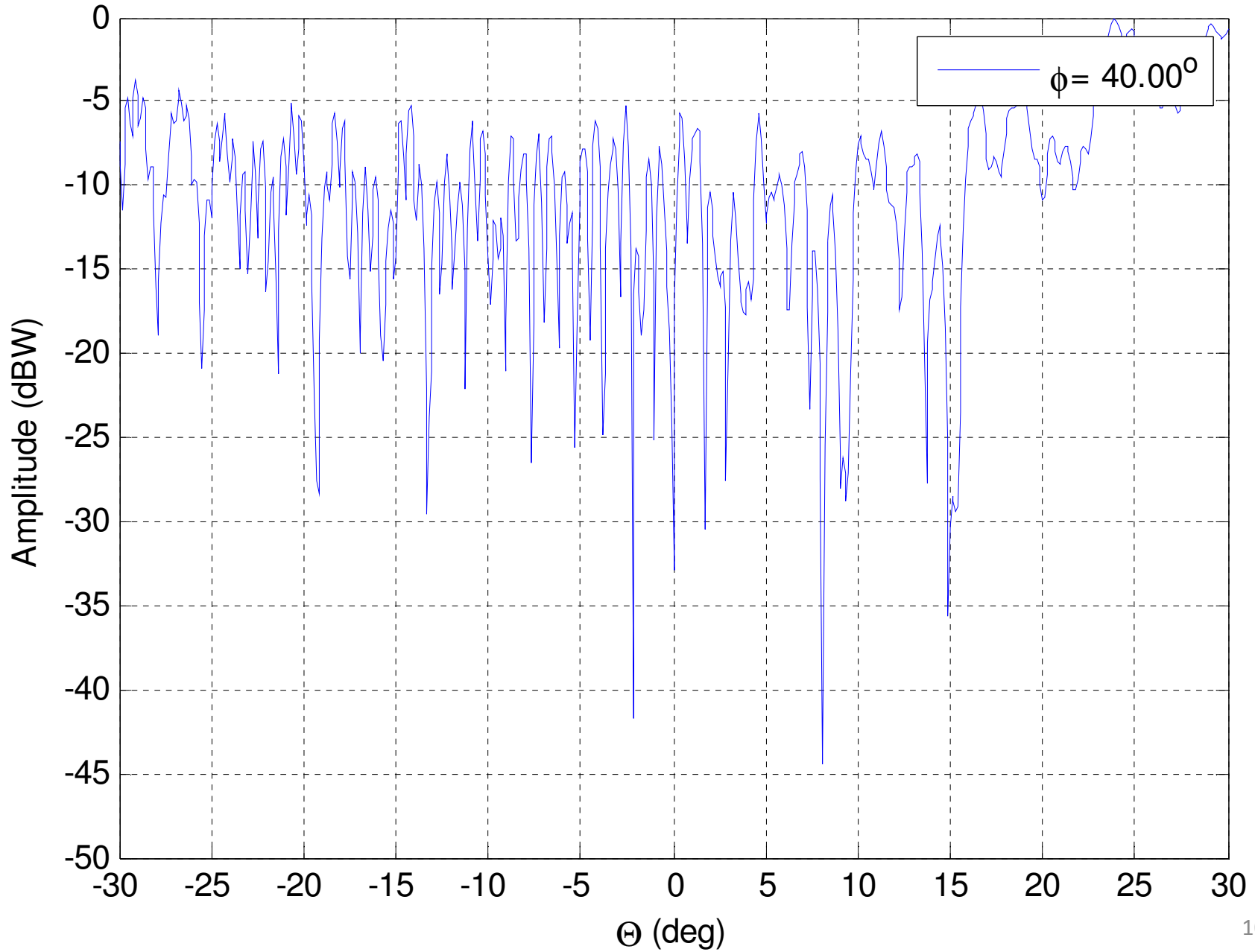
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-30.cut, Peak: 5.45 dBW, Date: 15-Sep-2011



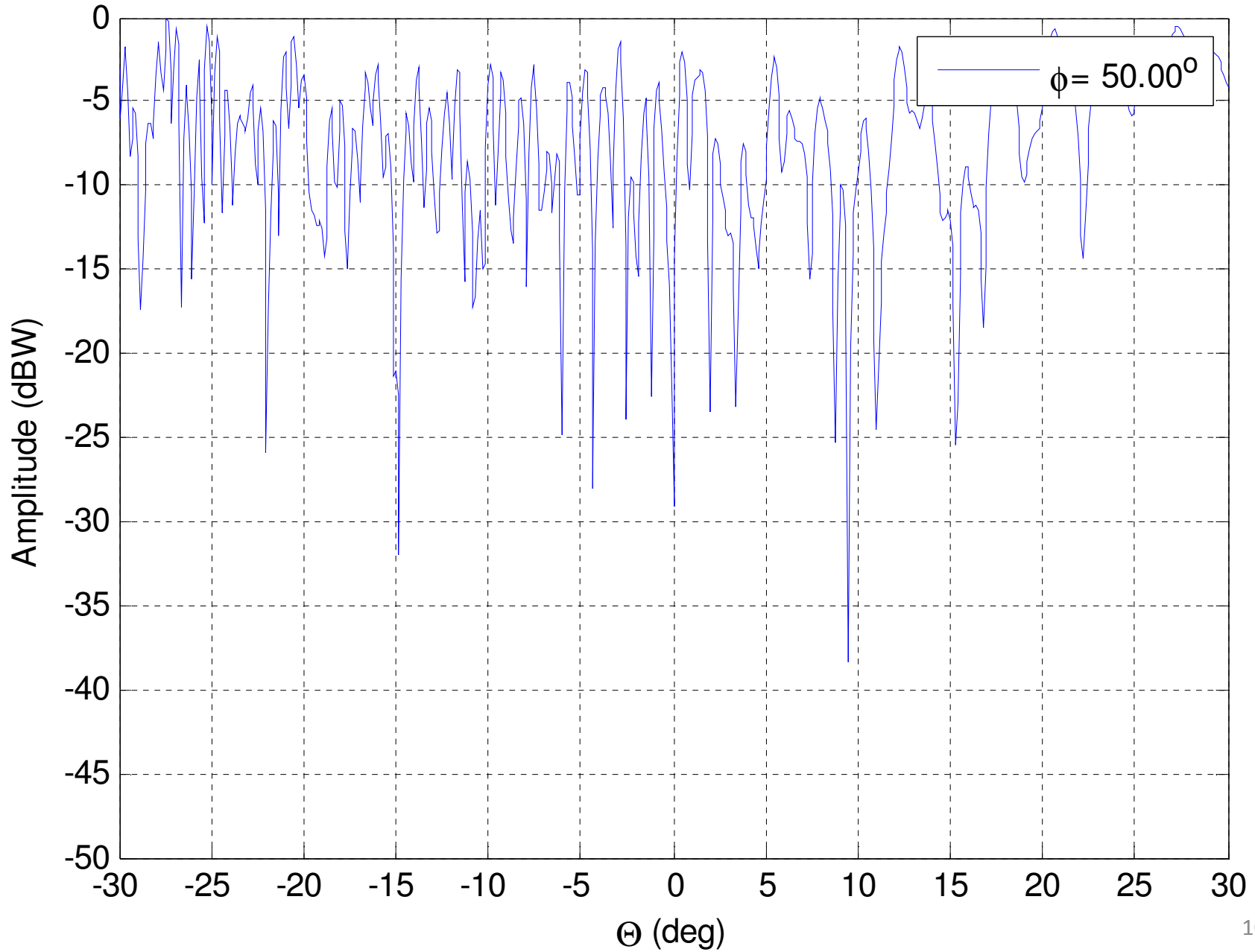
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-40.cut, Peak: 3.67 dBW, Date: 15-Sep-2011



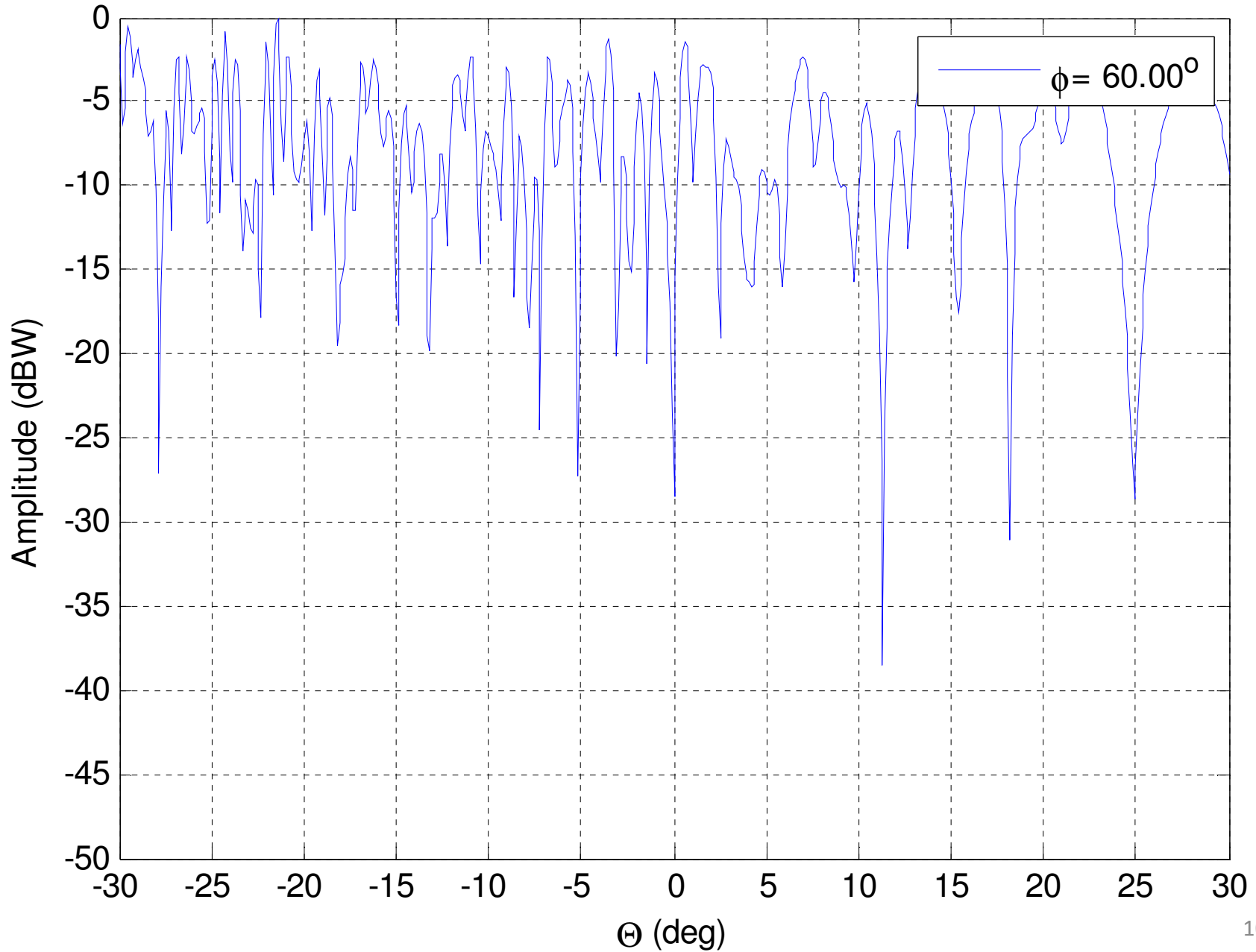
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-50.cut, Peak: -0.04 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-60.cut, Peak: -0.61 dBW, Date: 15-Sep-2011

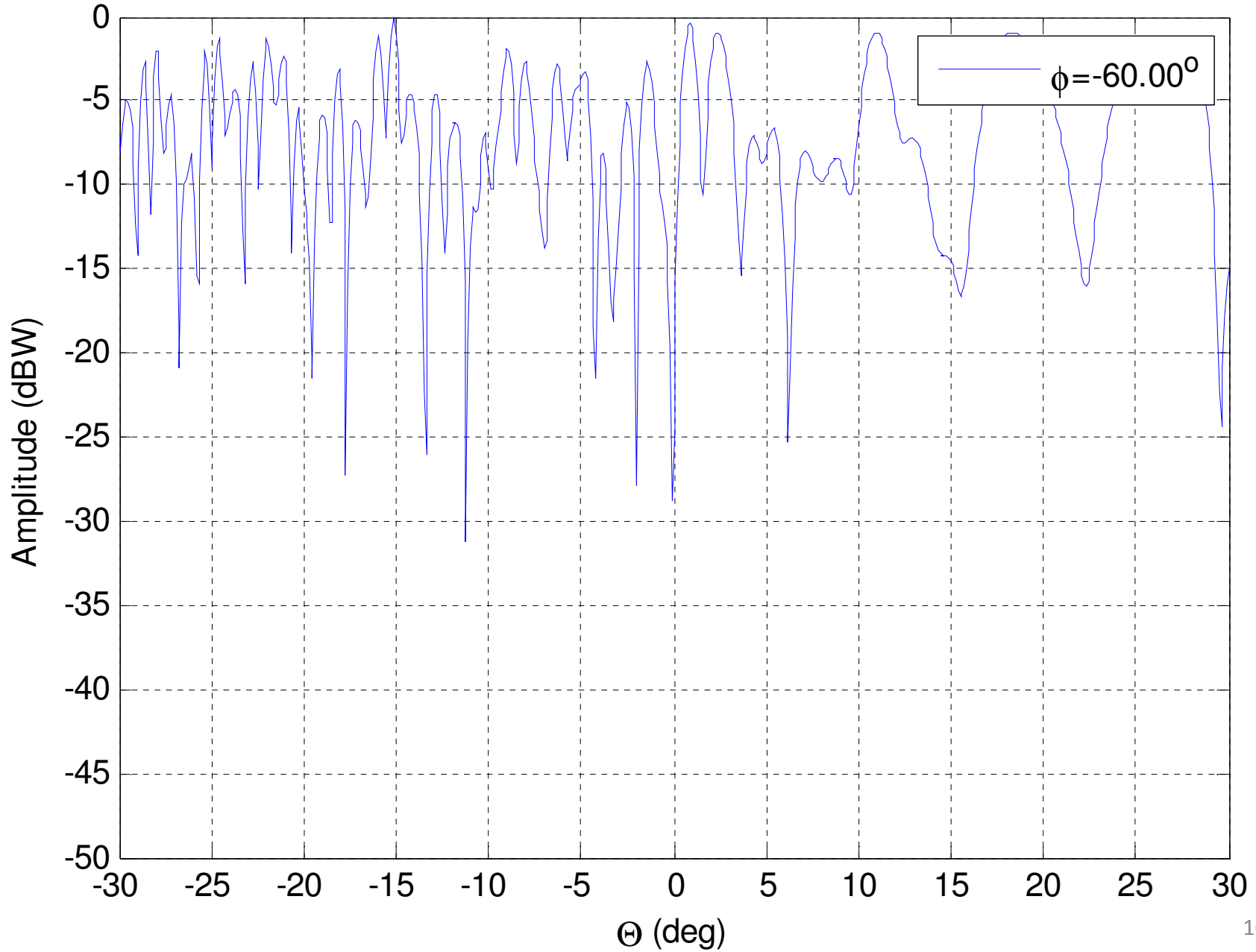


# LHCP at 17.3 GHz



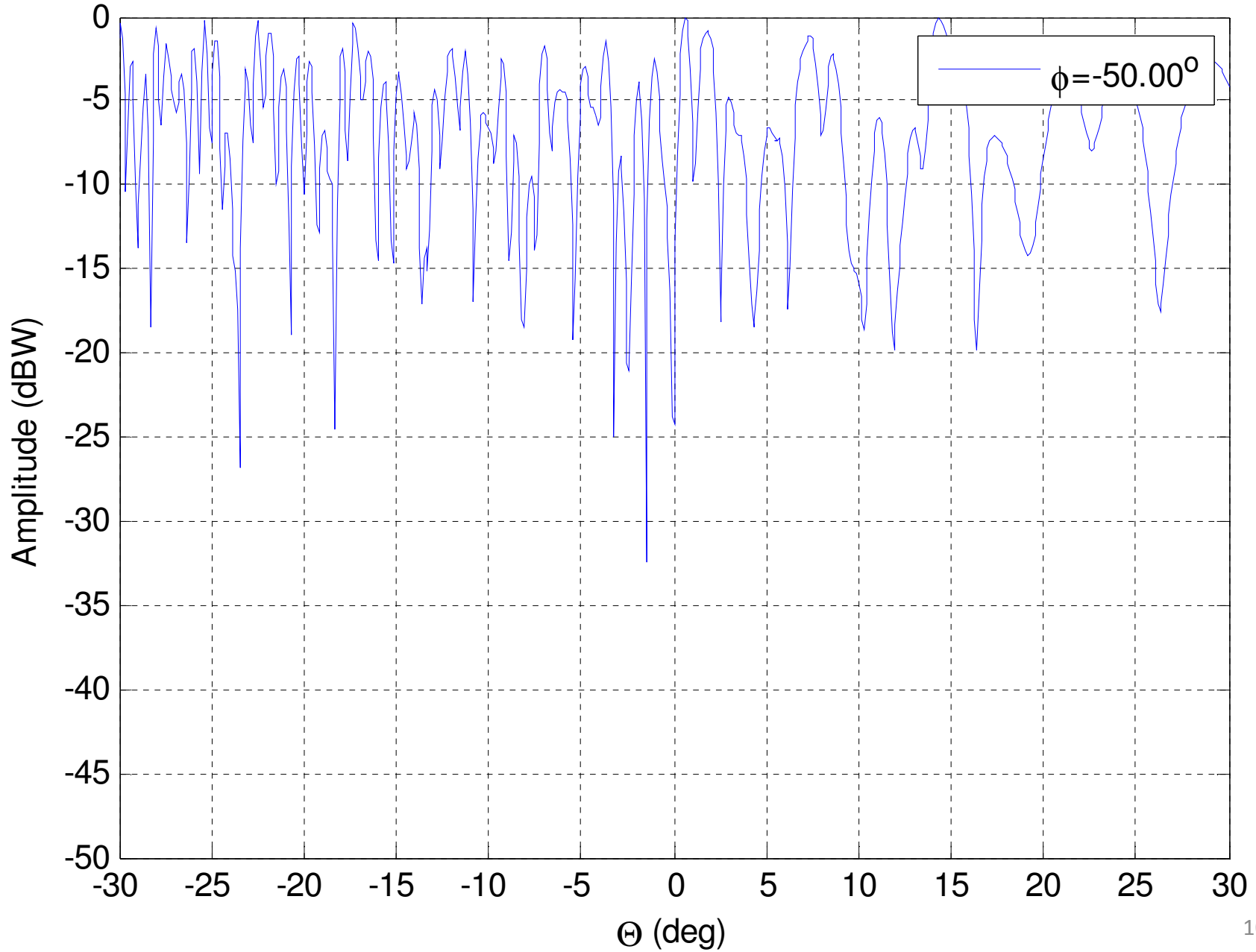
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--60.cut, Peak: -1.41 dBW, Date: 15-Sep-2011



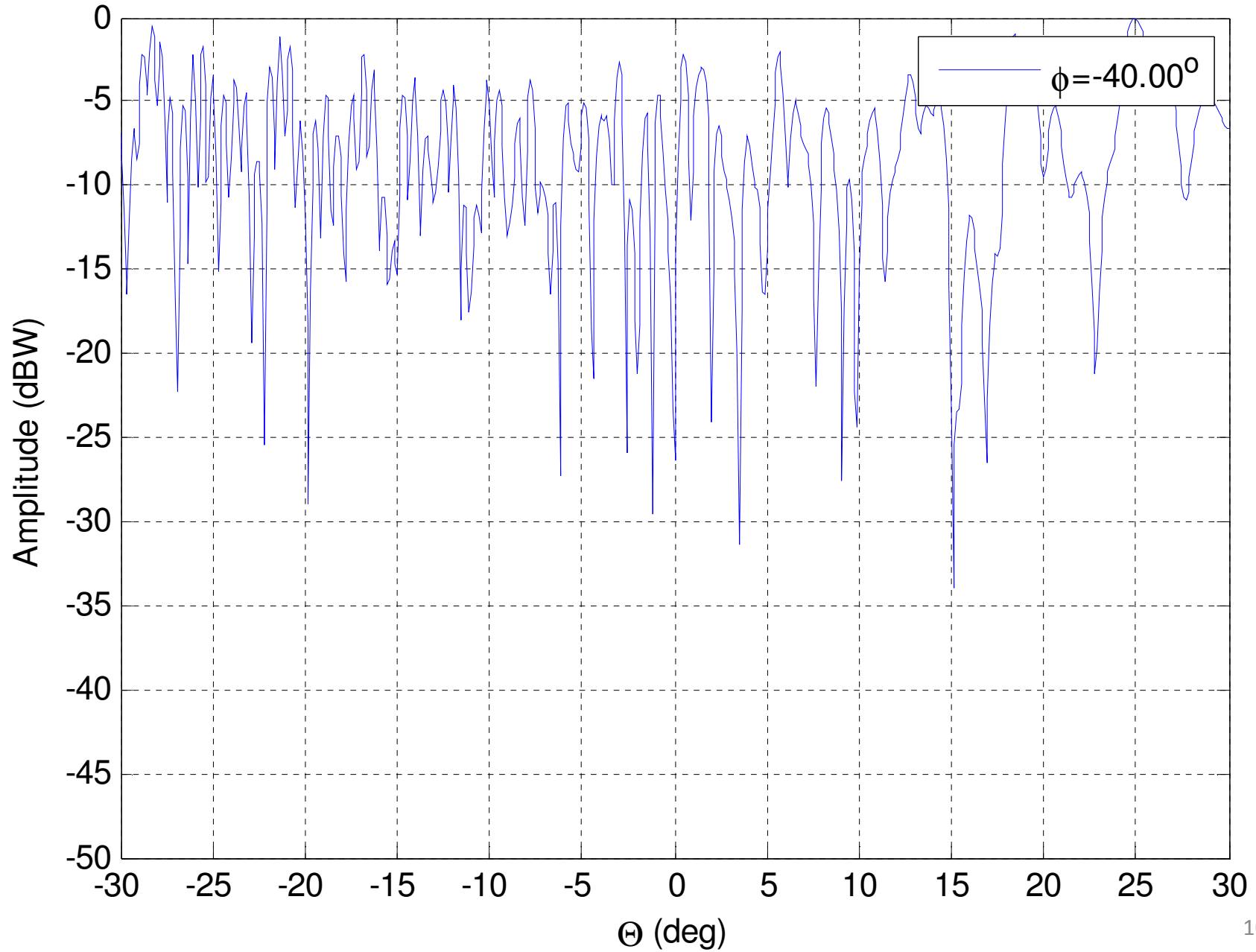
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--50.cut, Peak: -1.73 dBW, Date: 15-Sep-2011



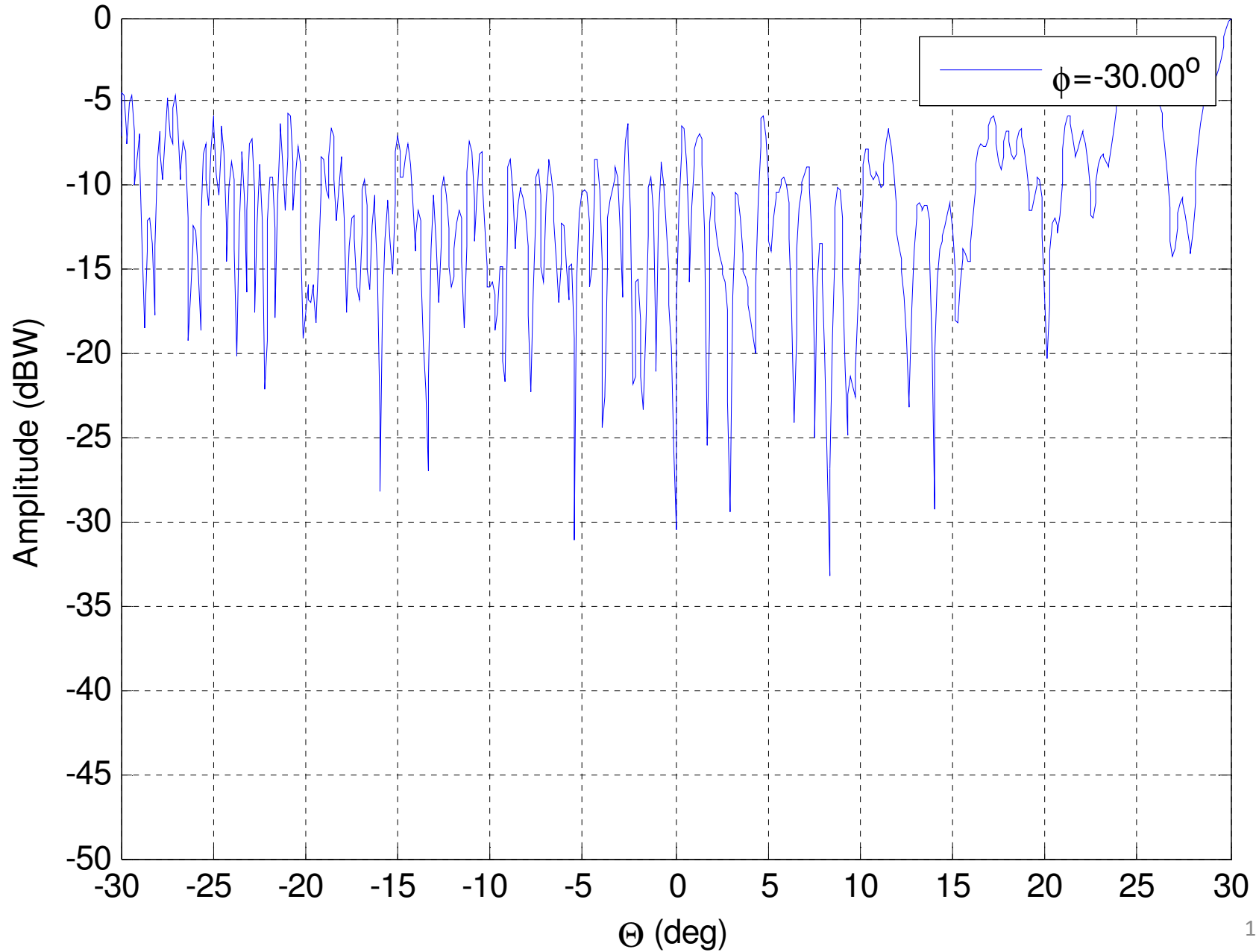
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--40.cut, Peak: 0.40 dBW, Date: 15-Sep-2011



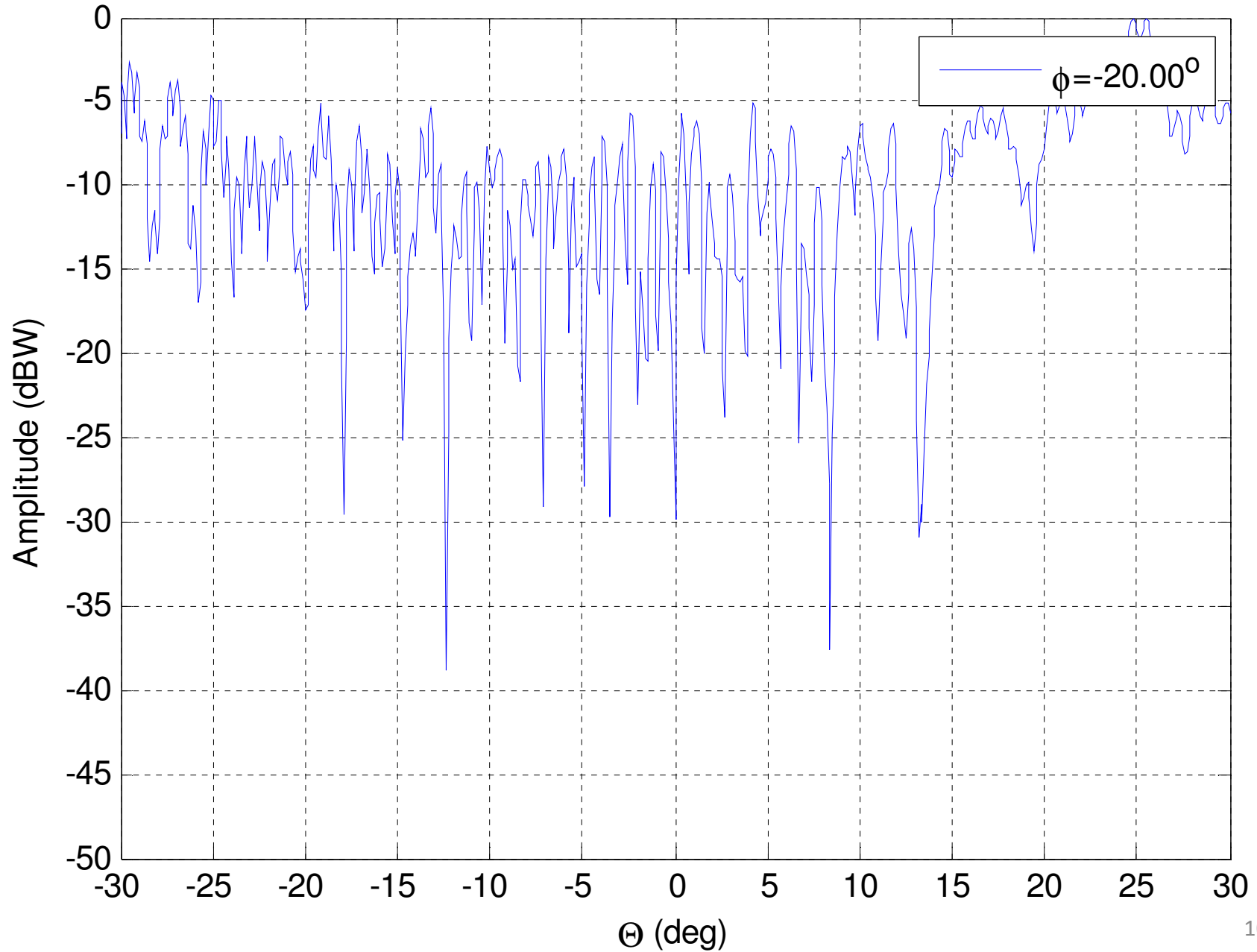
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--30.cut, Peak: 4.50 dBW, Date: 15-Sep-2011



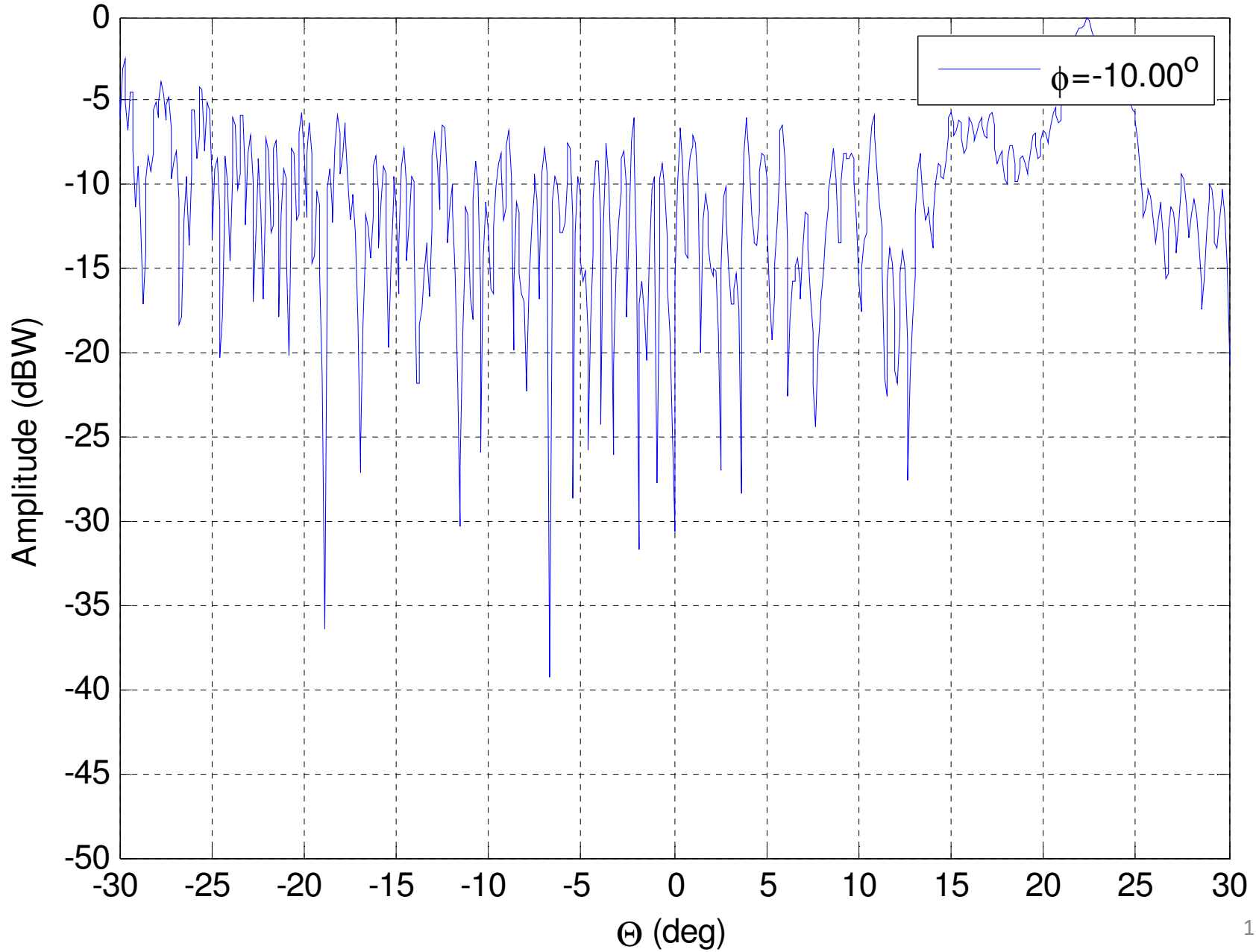
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--20.cut, Peak: 3.85 dBW, Date: 15-Sep-2011



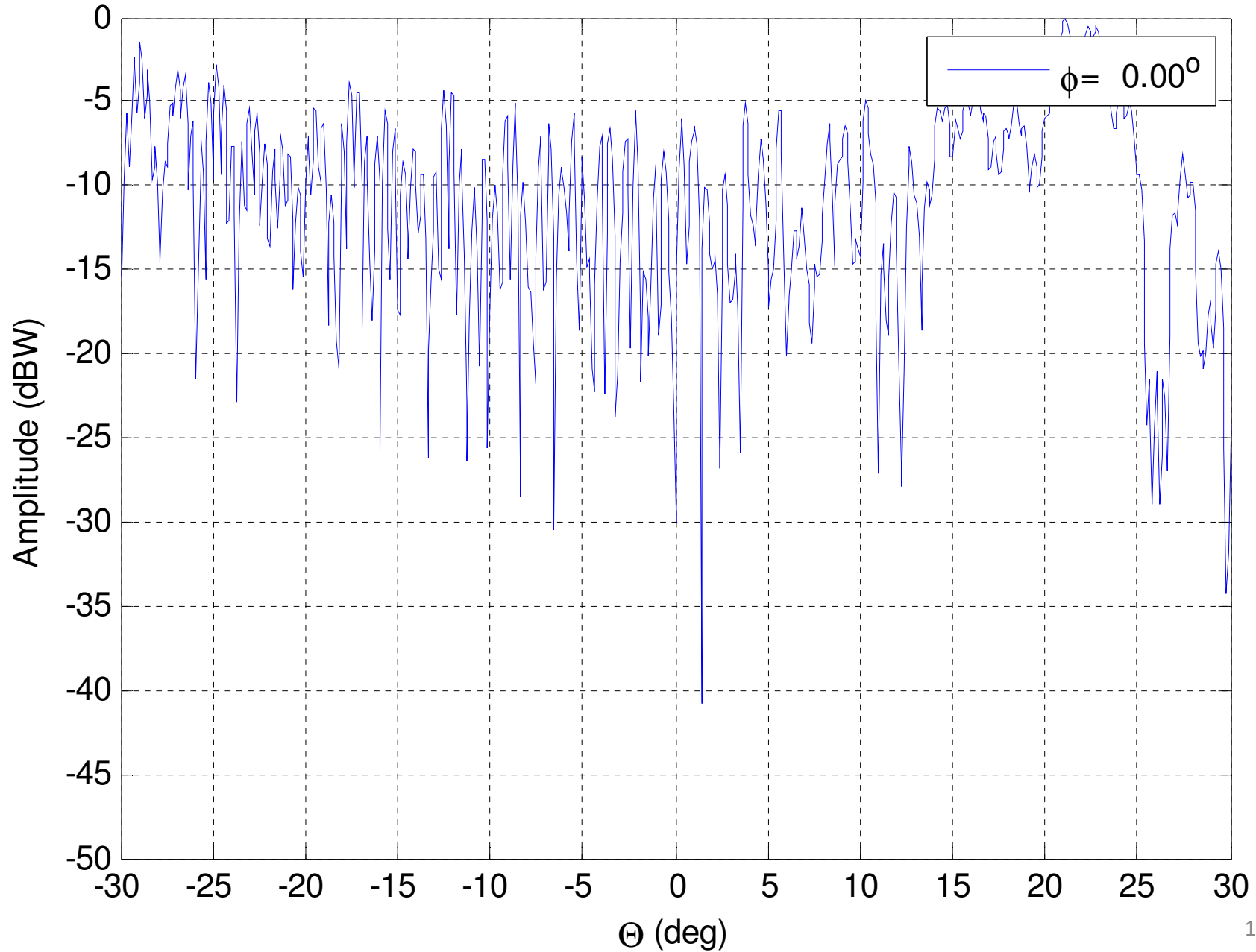
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--10.cut, Peak: 4.70 dBW, Date: 15-Sep-2011



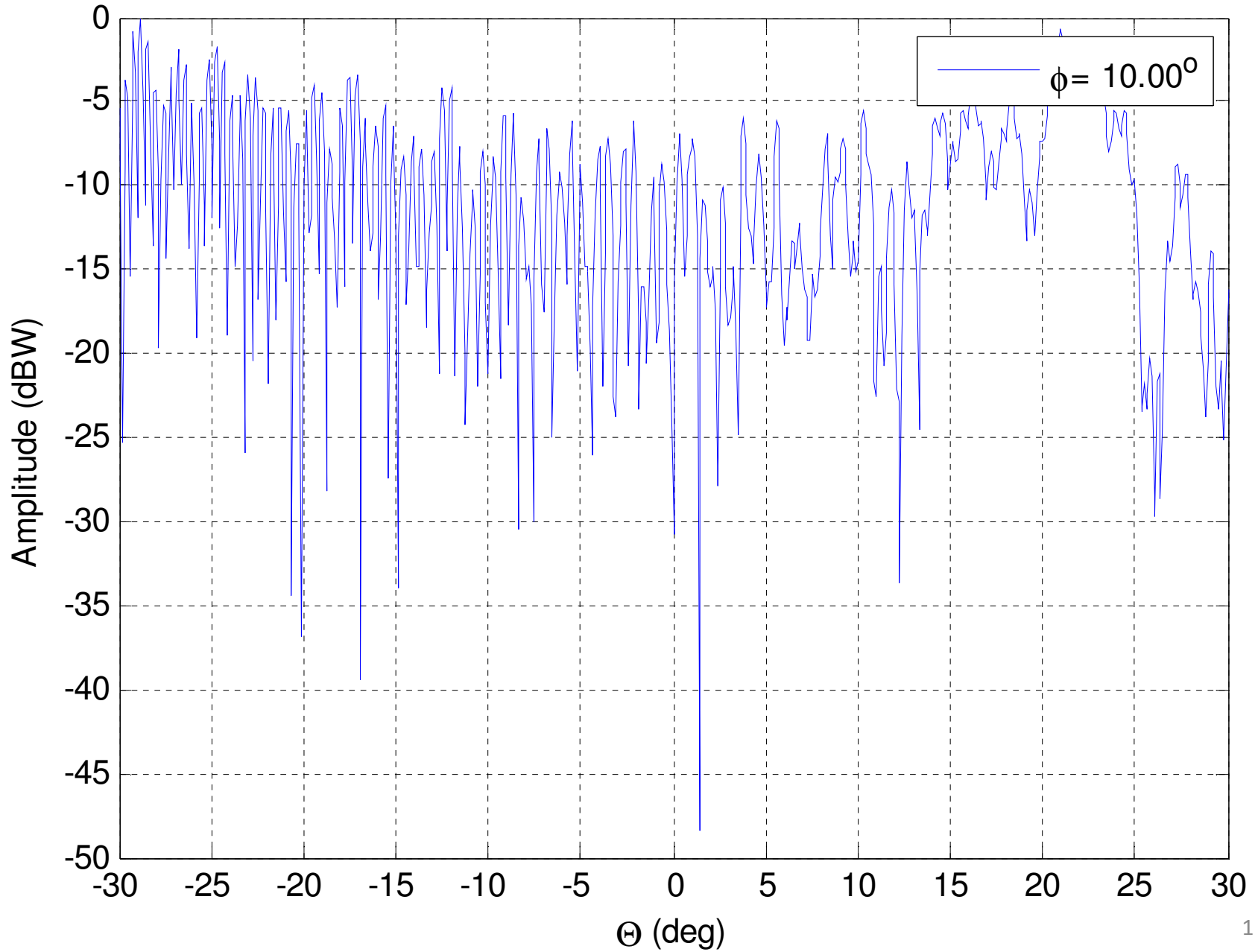
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-0.cut, Peak: 4.02 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

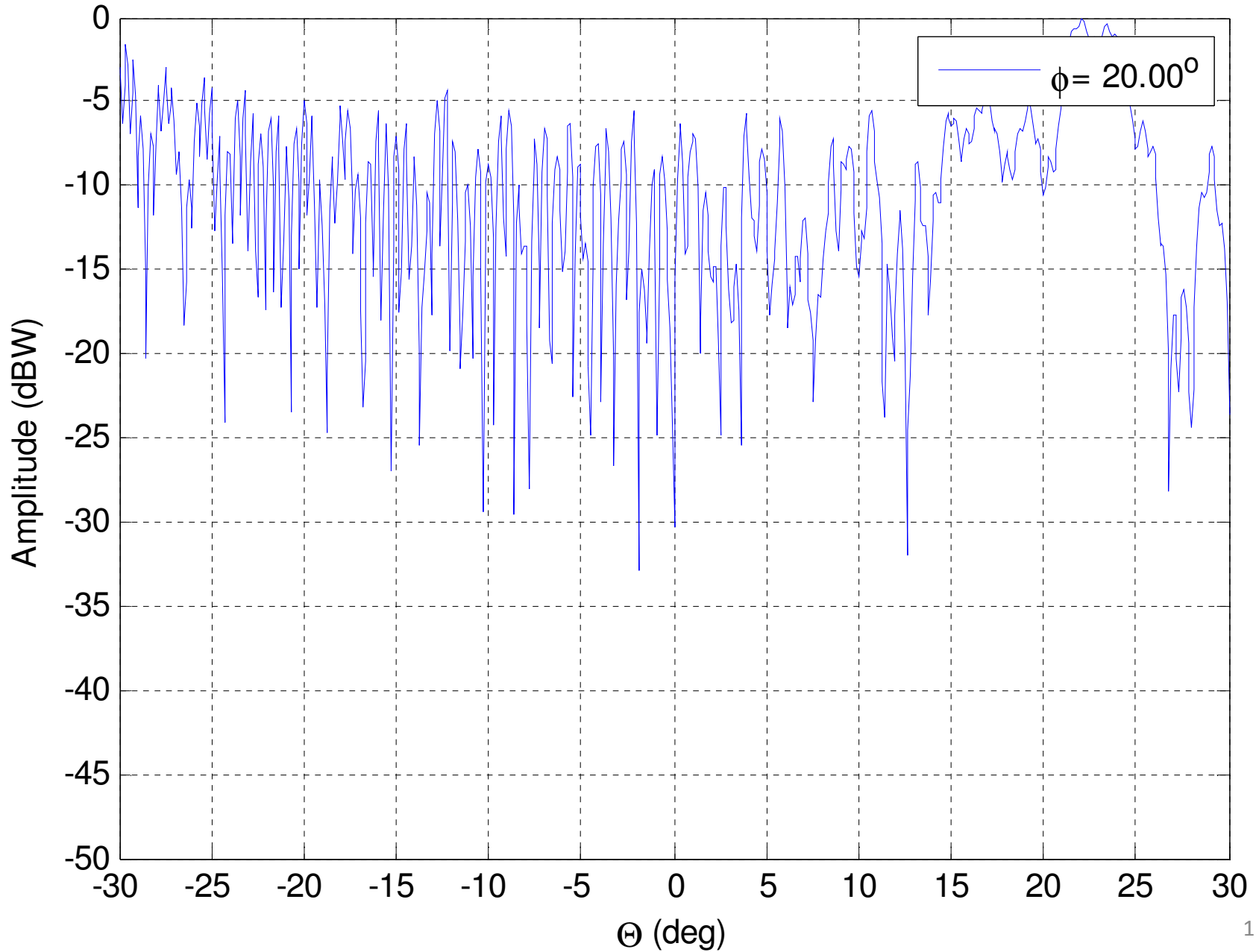
Input file: tx-17.3-lhcp-10.cut, Peak: 4.79 dBW, Date: 15-Sep-2011





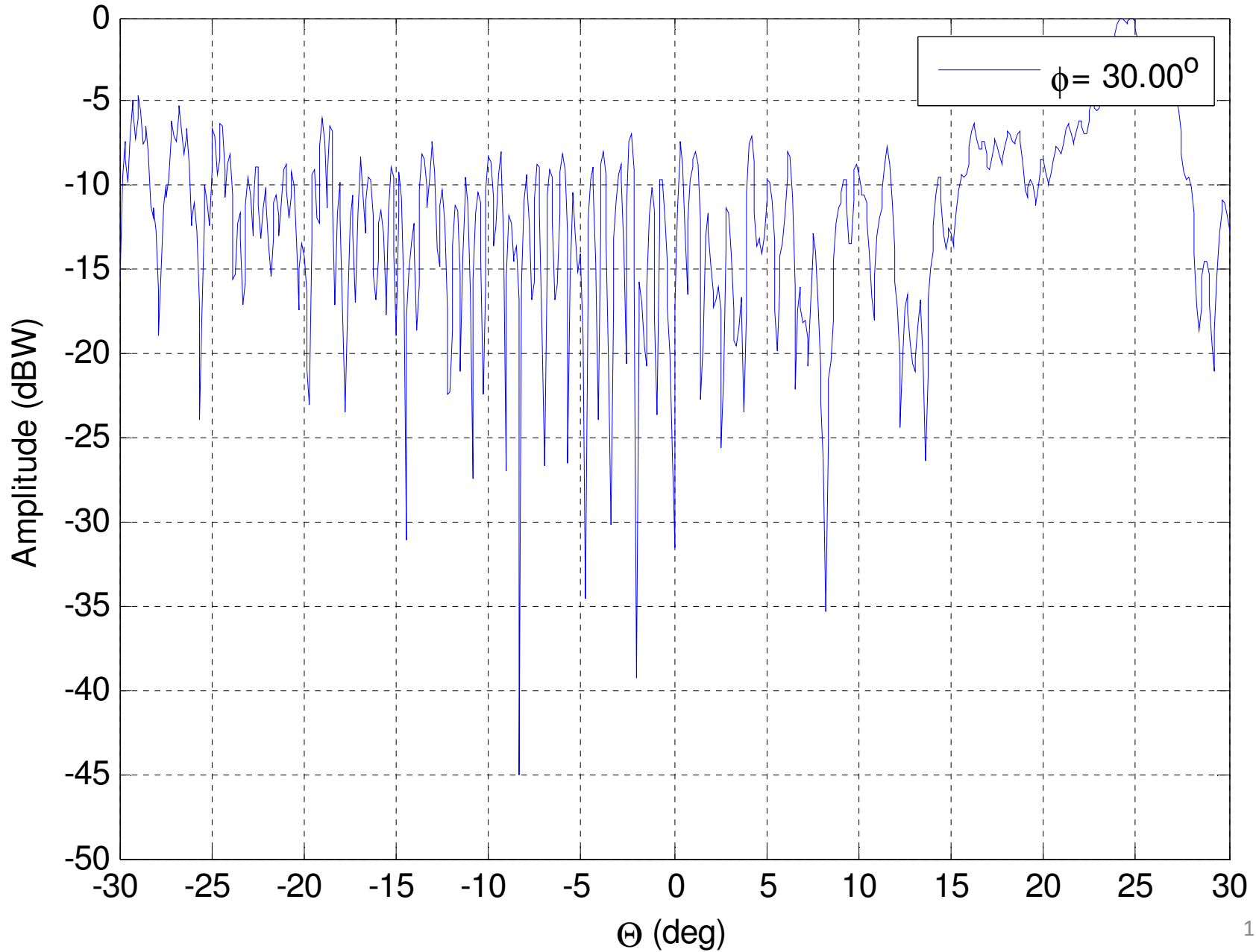
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-20.cut, Peak: 4.36 dBW, Date: 15-Sep-2011



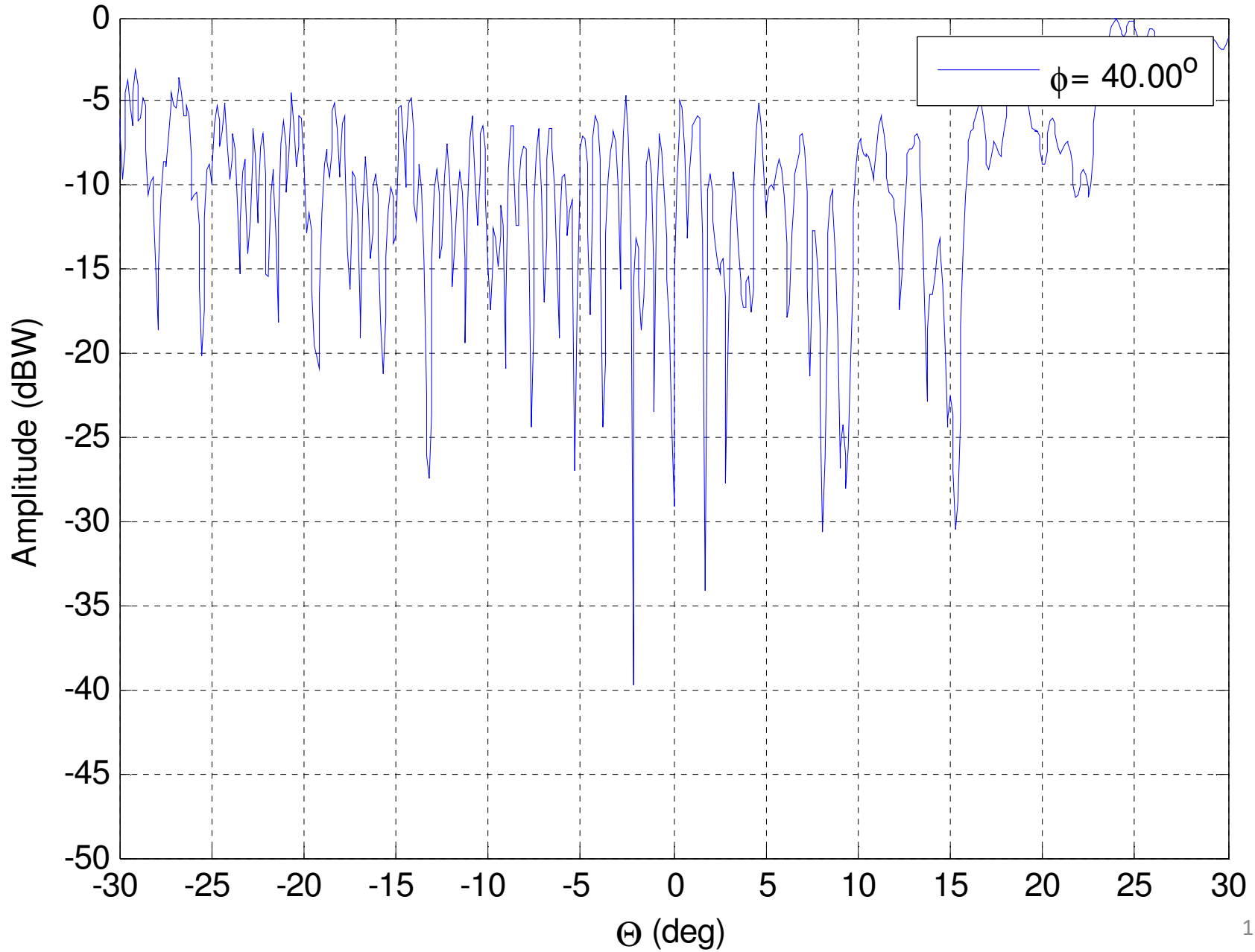
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-30.cut, Peak: 5.50 dBW, Date: 15-Sep-2011



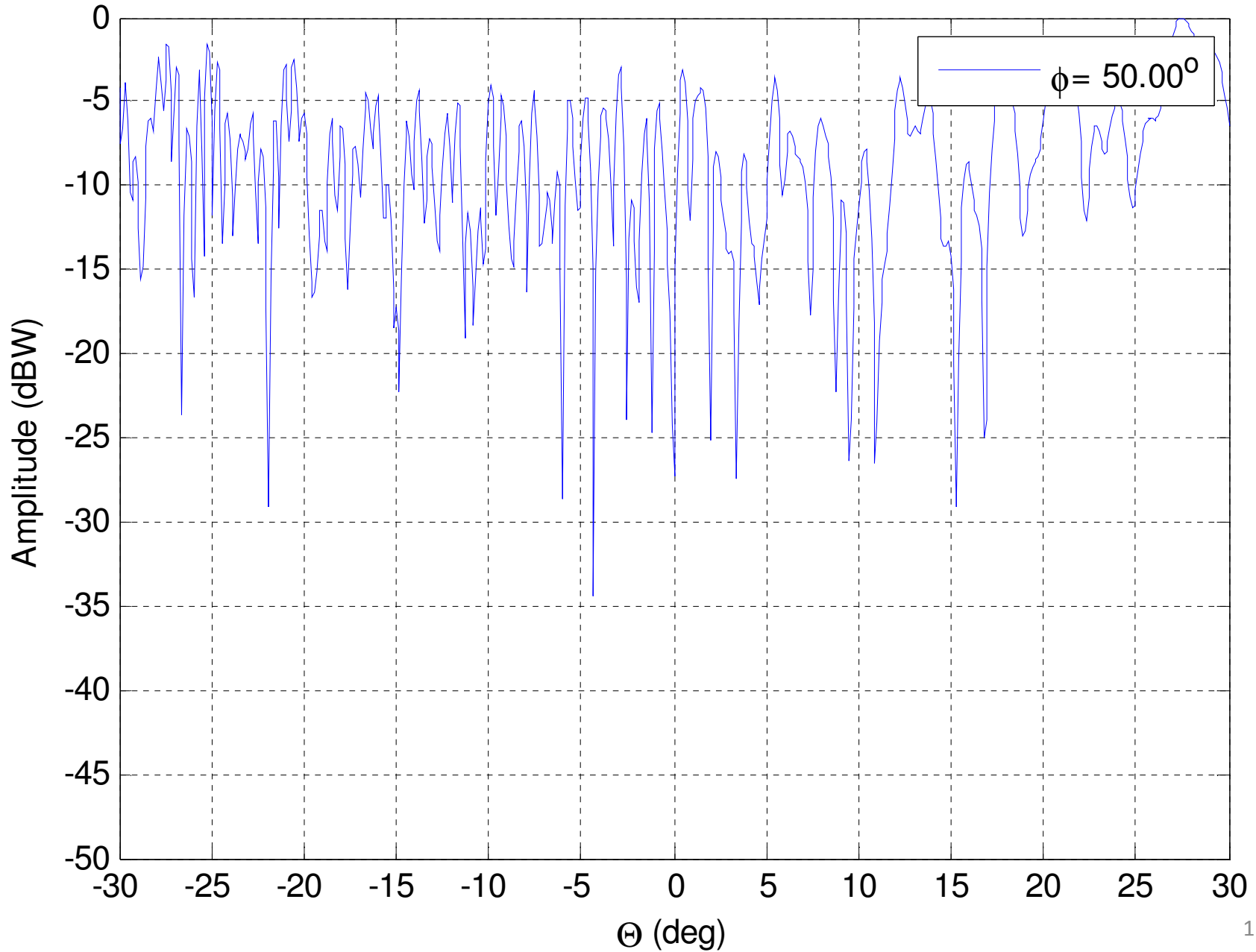
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-40.cut, Peak: 3.08 dBW, Date: 15-Sep-2011



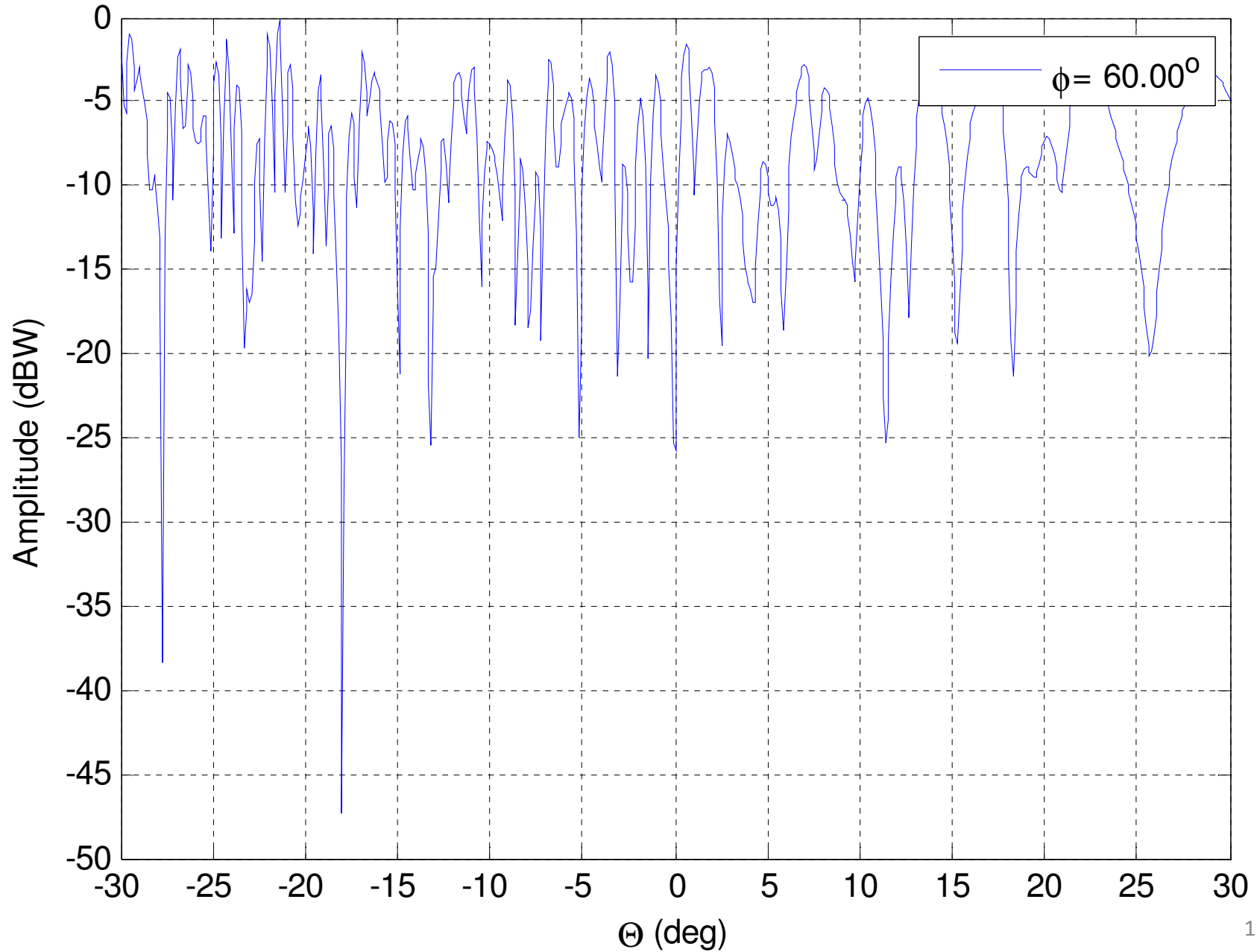
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-50.cut, Peak: 1.27 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

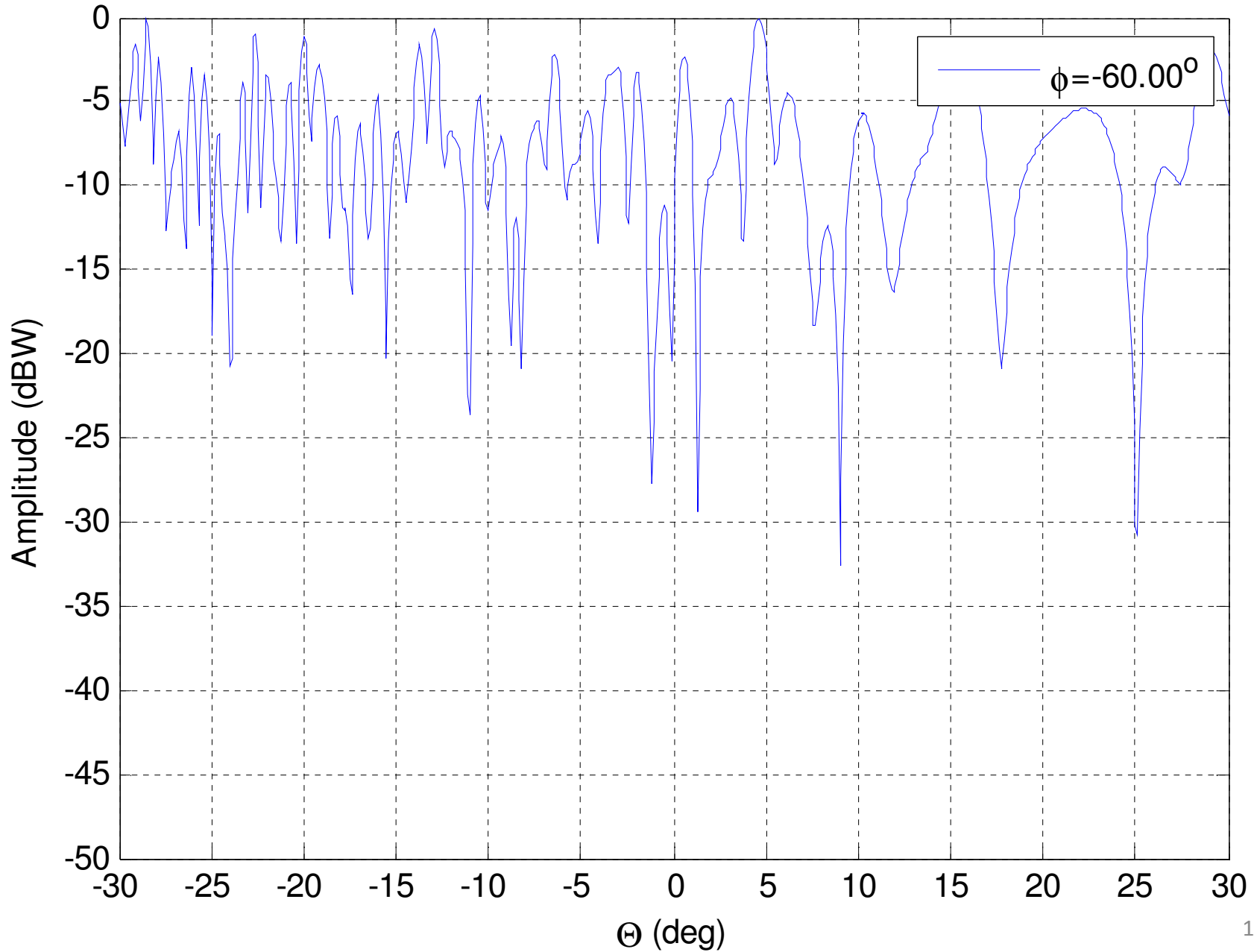
Input file: tx-17.3-lhcp-60.cut, Peak: -0.29 dBW, Date: 15-Sep-2011



# RHCP at 17.5 GHz

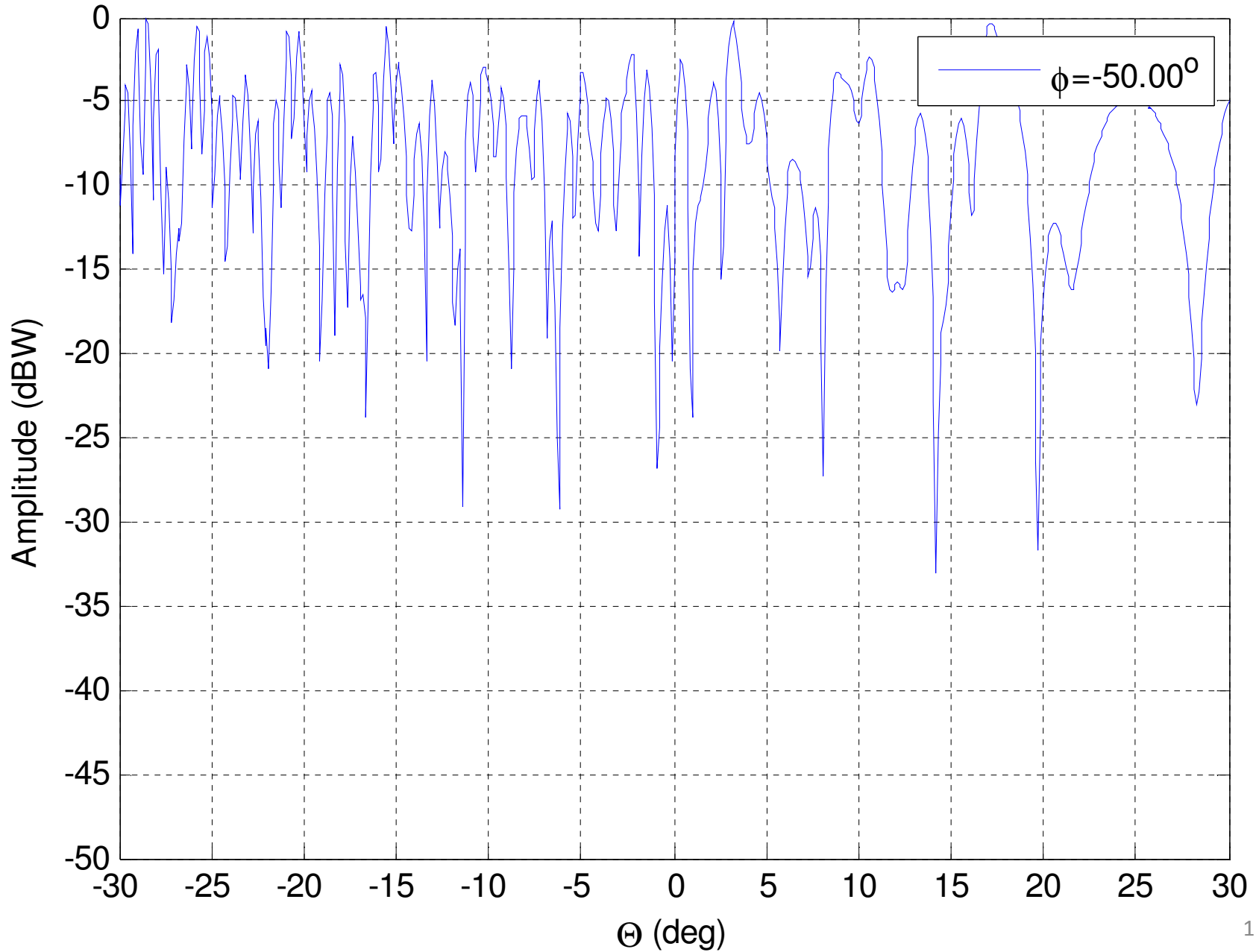
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--60.cut, Peak: -1.39 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

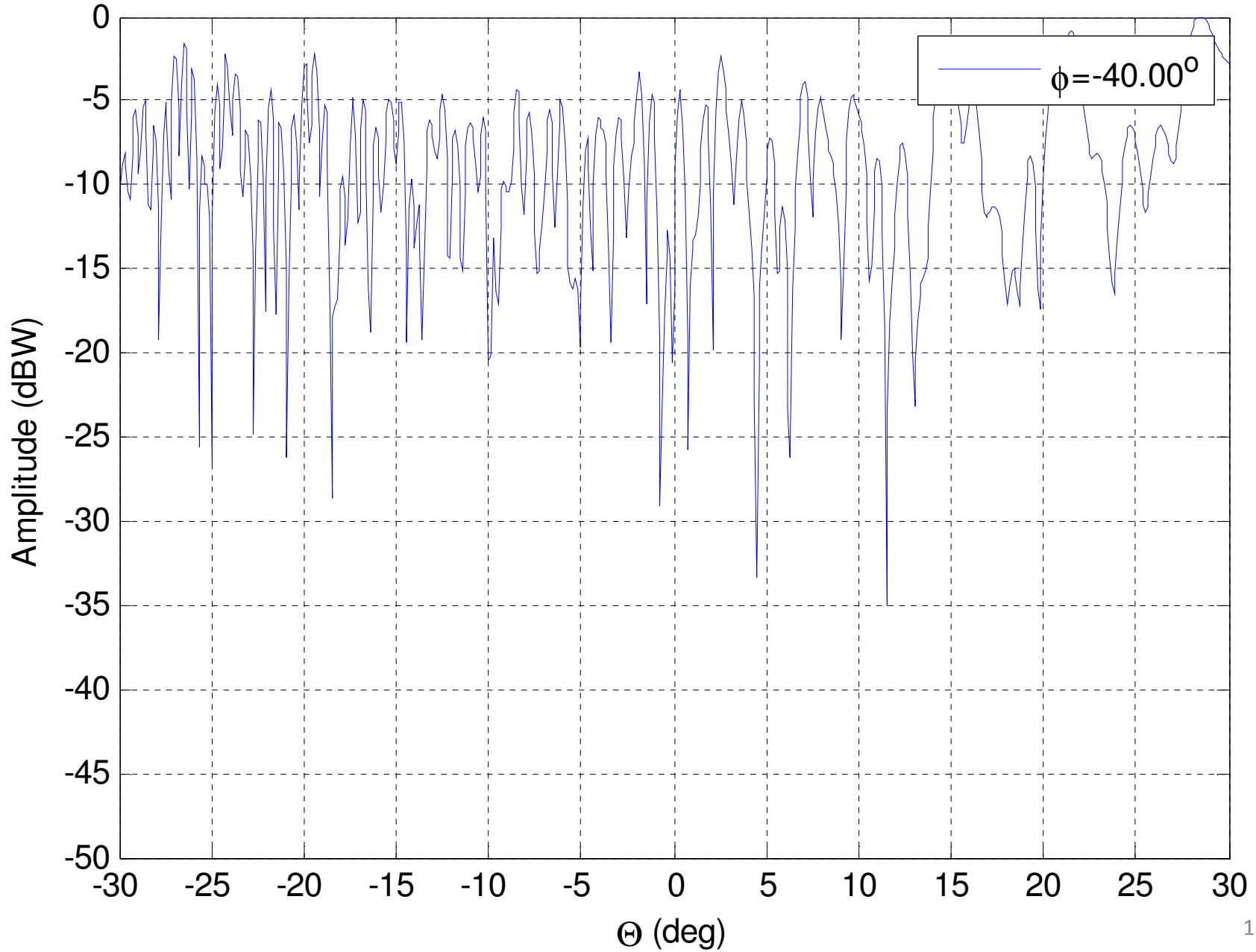
Input file: tx-17.5-rhcp--50.cut, Peak: -1.27 dBW, Date: 15-Sep-2011





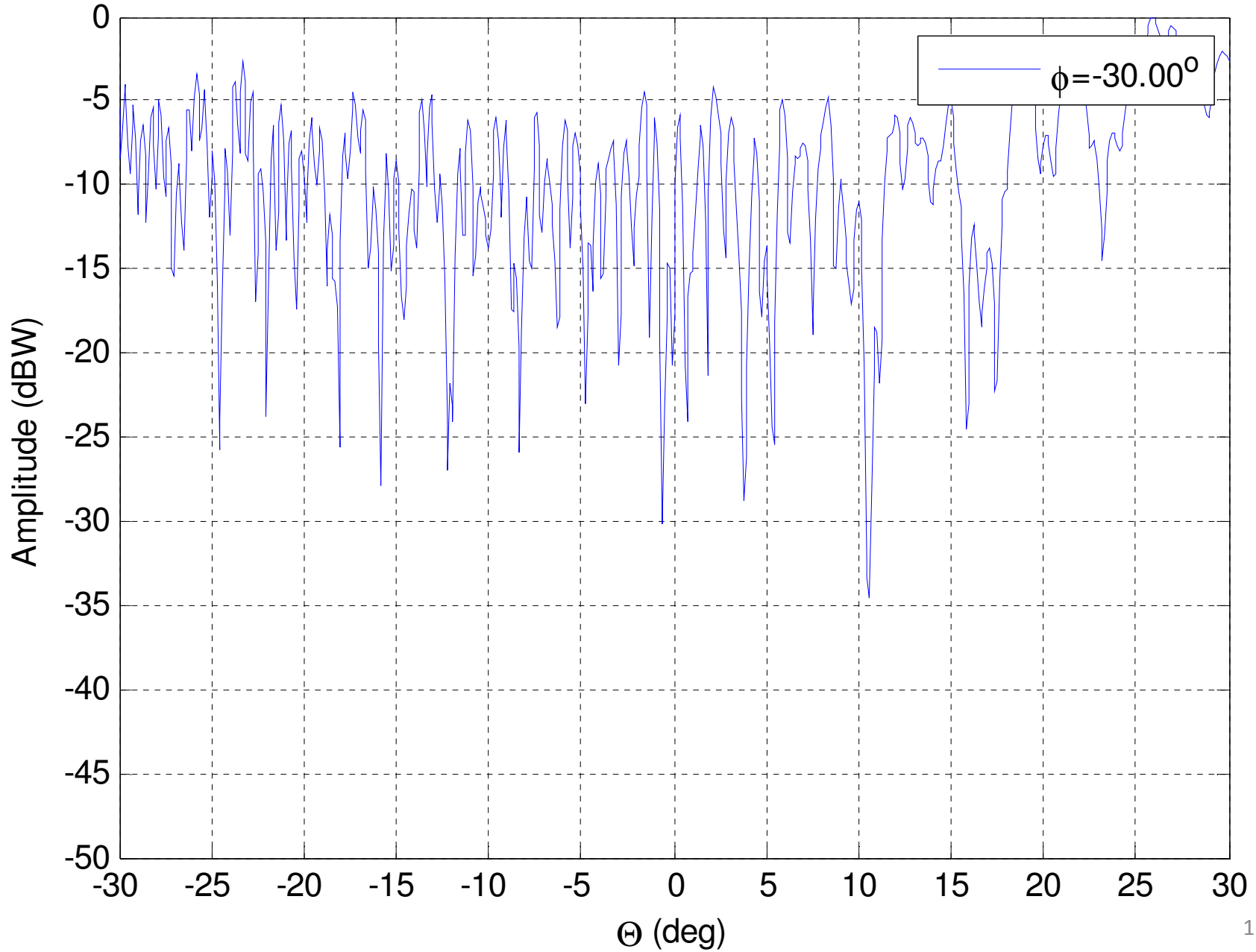
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--40.cut, Peak: 0.43 dBW, Date: 15-Sep-2011



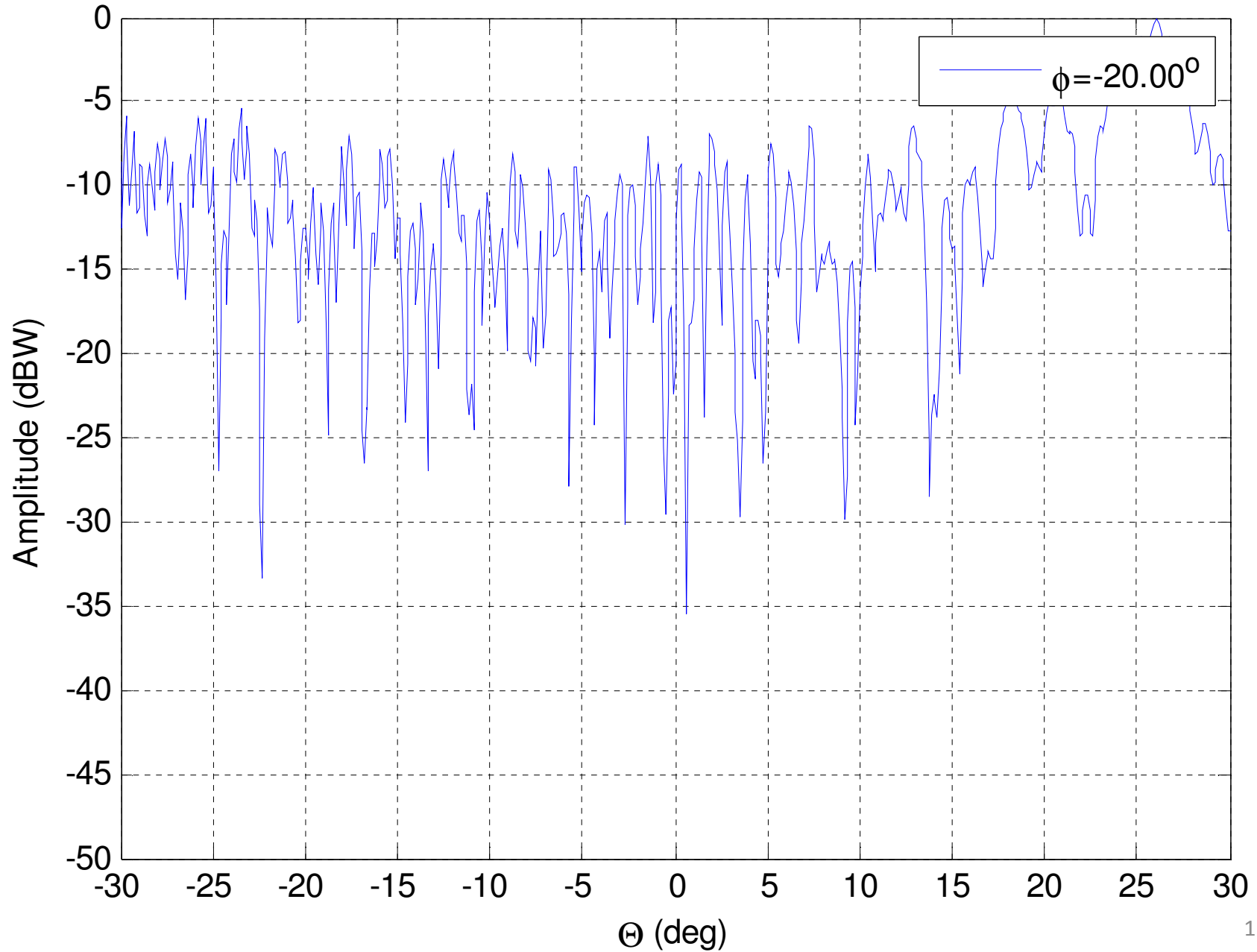
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--30.cut, Peak: 2.00 dBW, Date: 15-Sep-2011



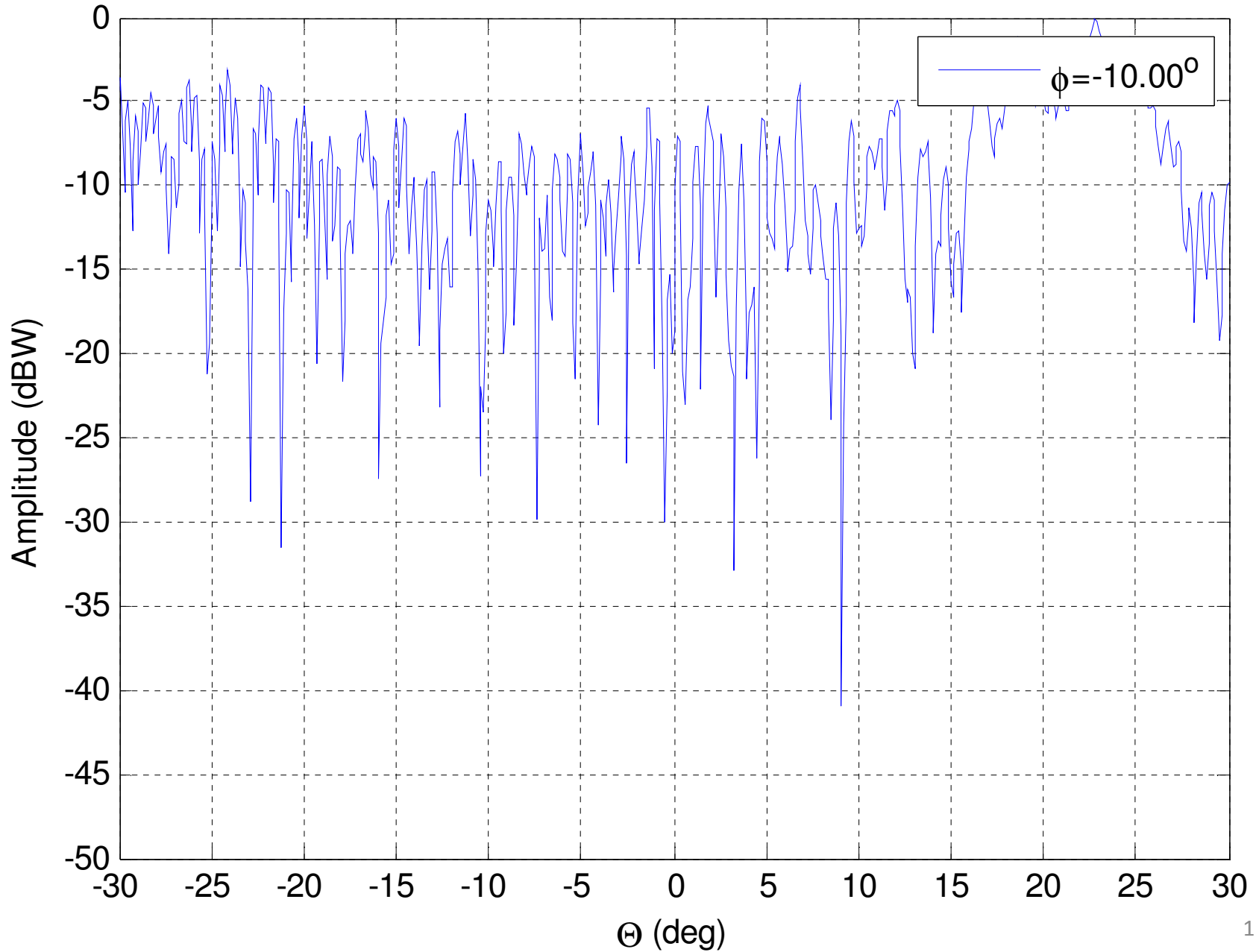
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--20.cut, Peak: 4.72 dBW, Date: 15-Sep-2011



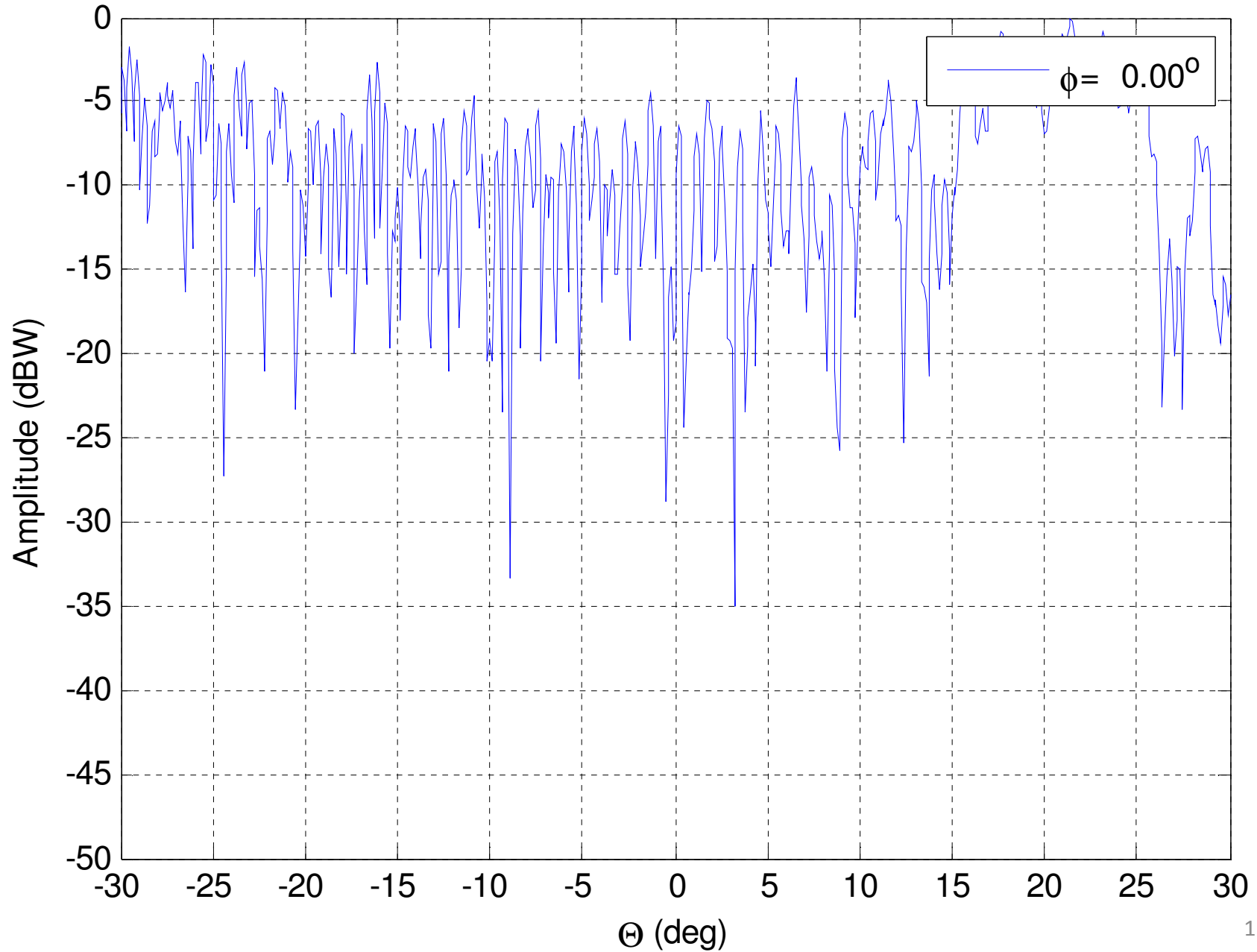
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--10.cut, Peak: 2.98 dBW, Date: 15-Sep-2011



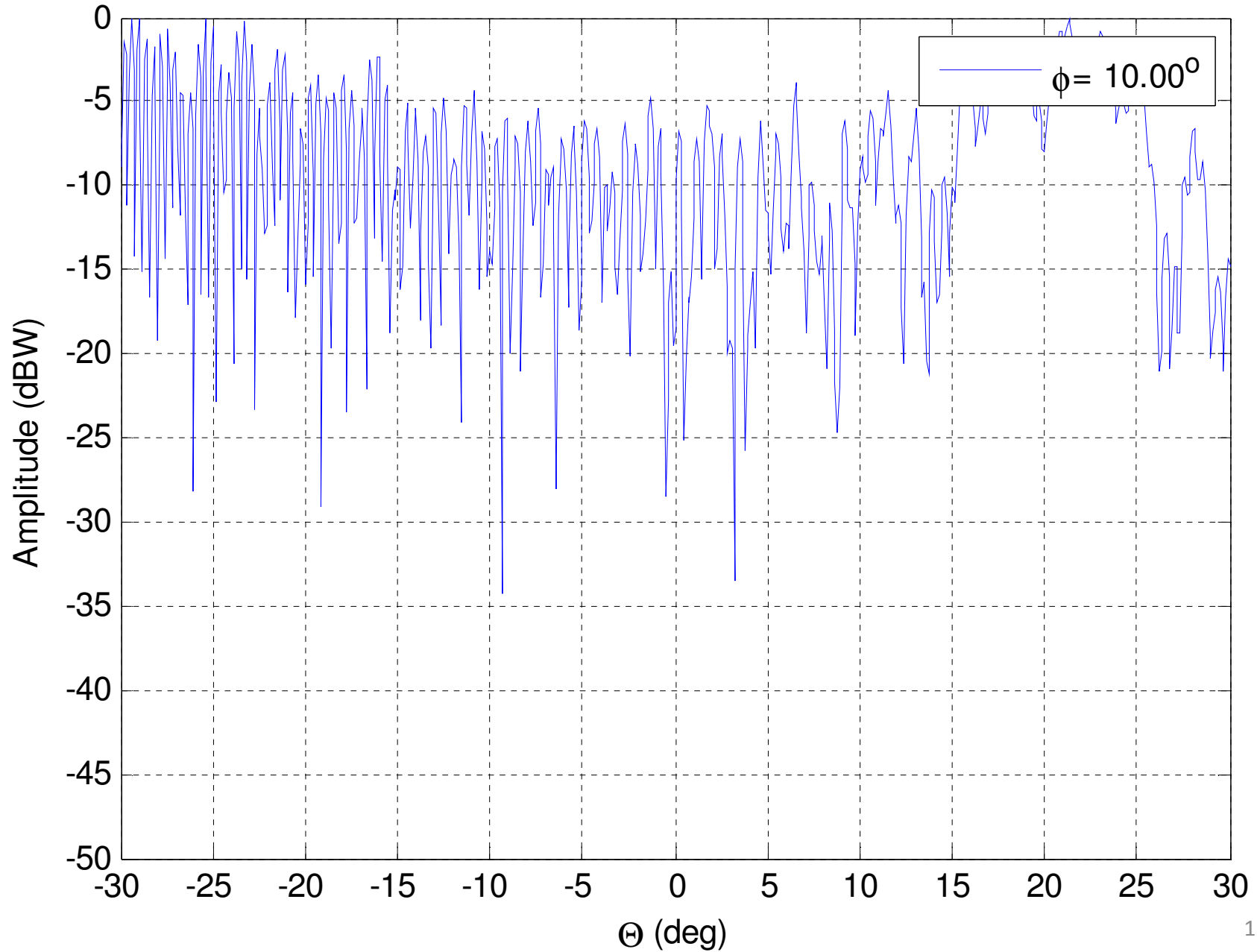
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-0.cut, Peak: 2.50 dBW, Date: 15-Sep-2011



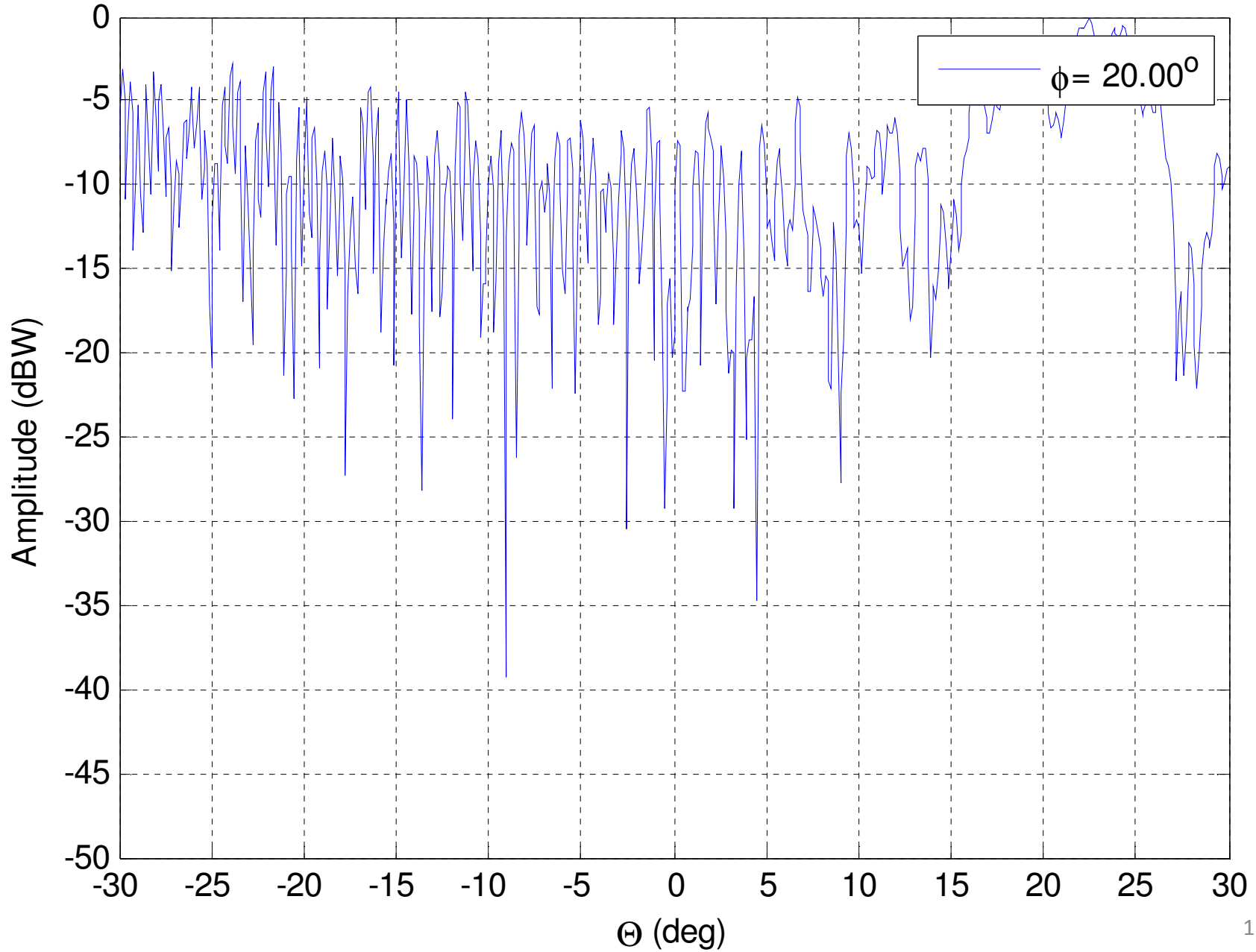
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-10.cut, Peak: 2.81 dBW, Date: 15-Sep-2011



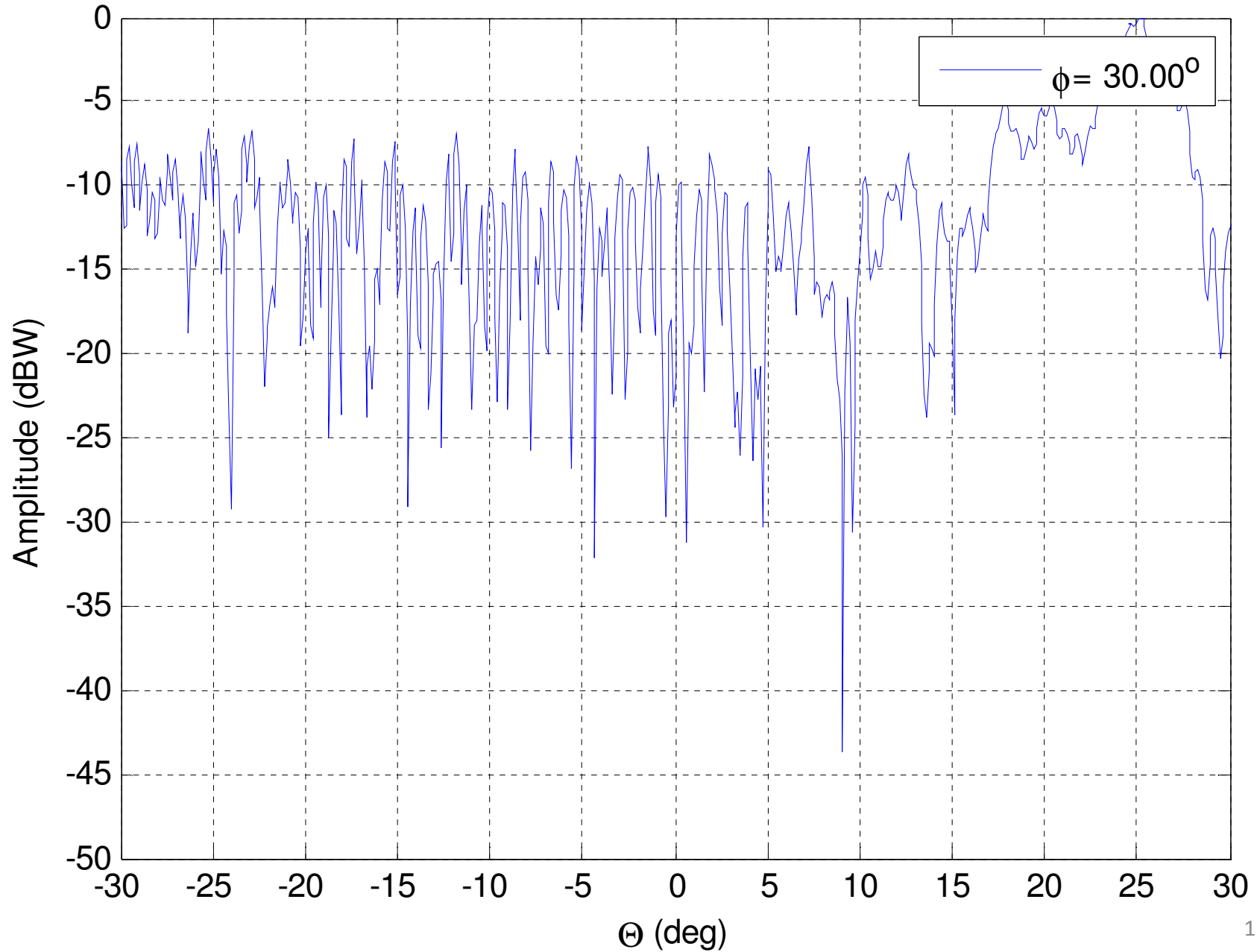
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-20.cut, Peak: 3.27 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

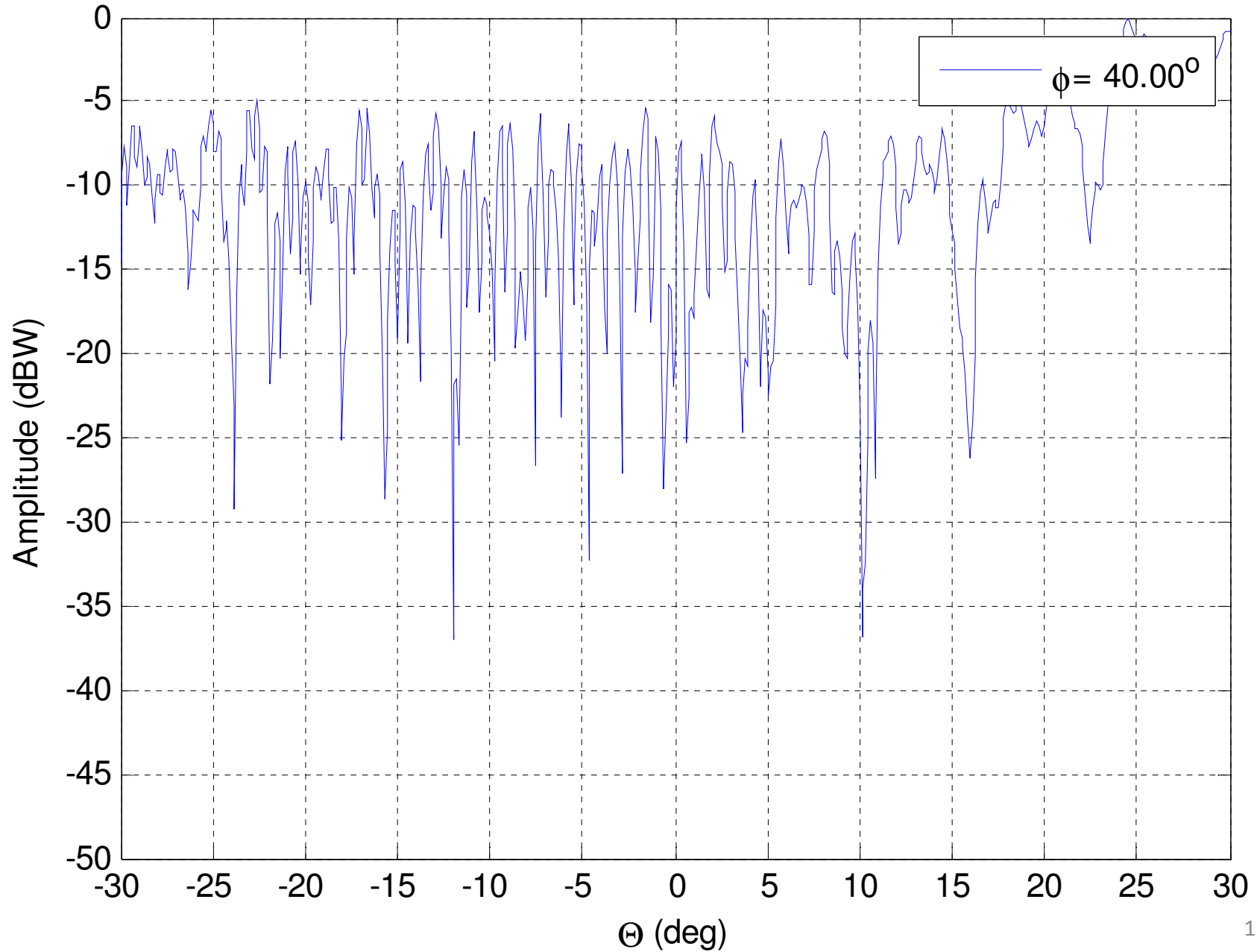
Input file: tx-17.5-rhcp-30.cut, Peak: 5.62 dBW, Date: 15-Sep-2011





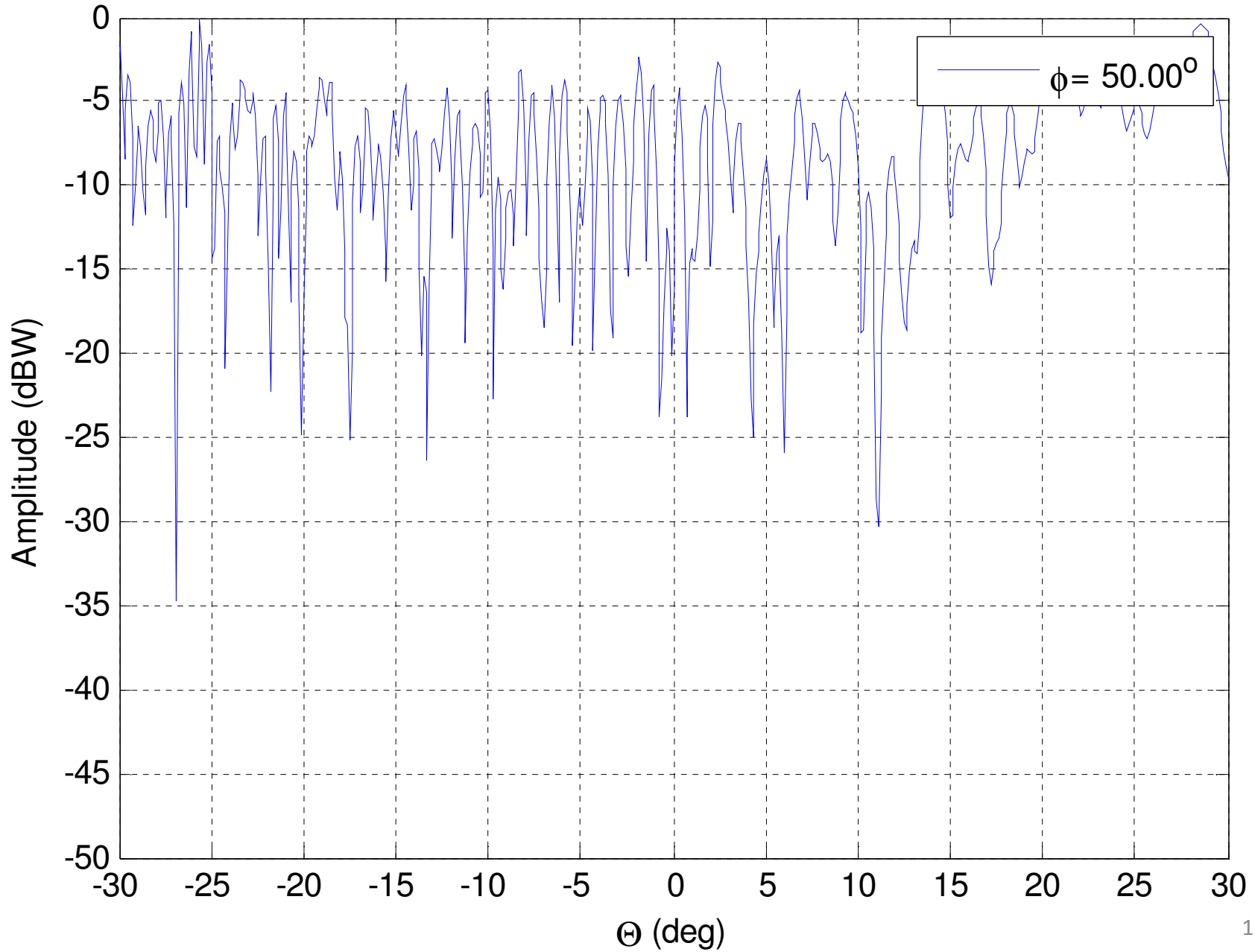
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-40.cut, Peak: 3.43 dBW, Date: 15-Sep-2011



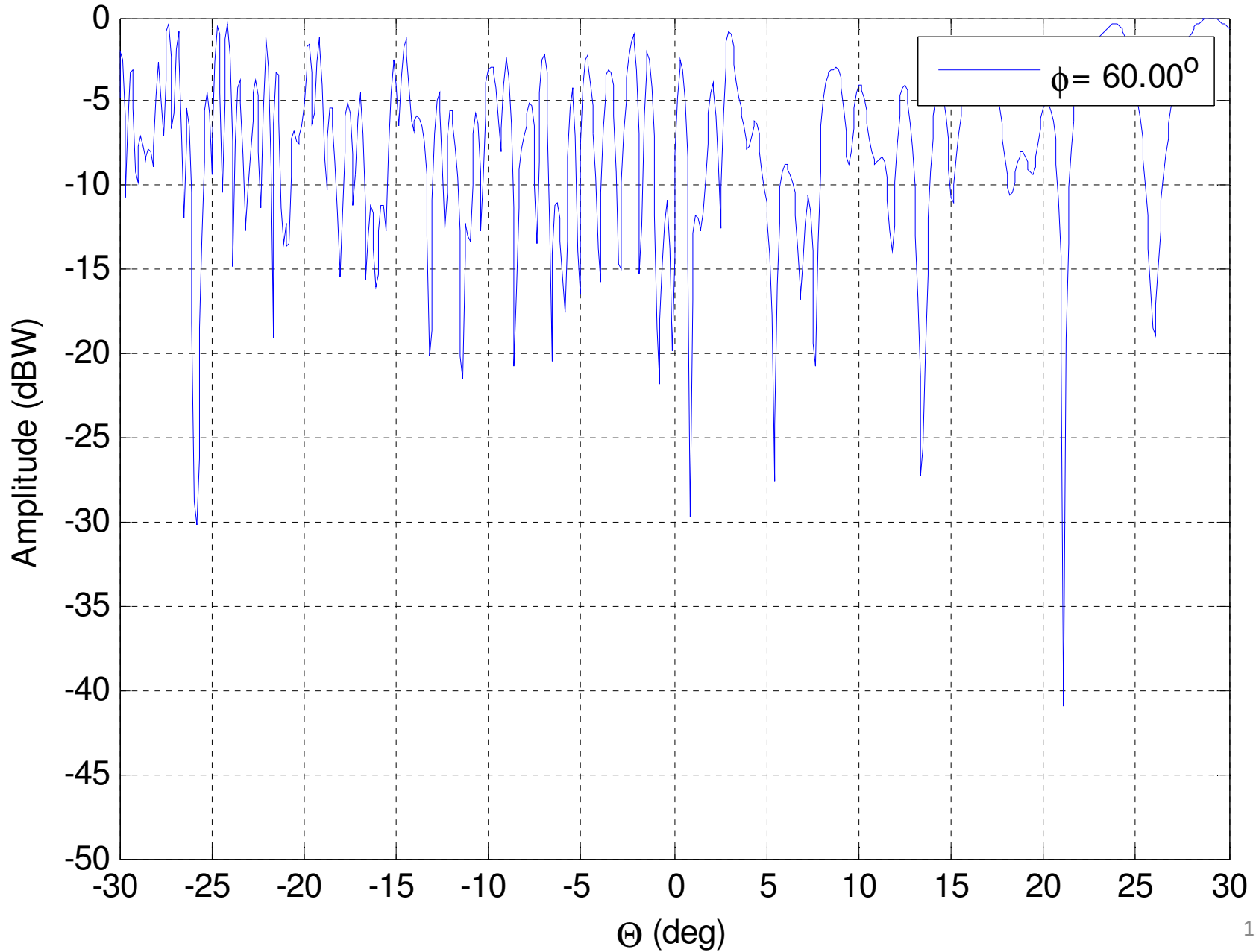
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-50.cut, Peak: 0.29 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

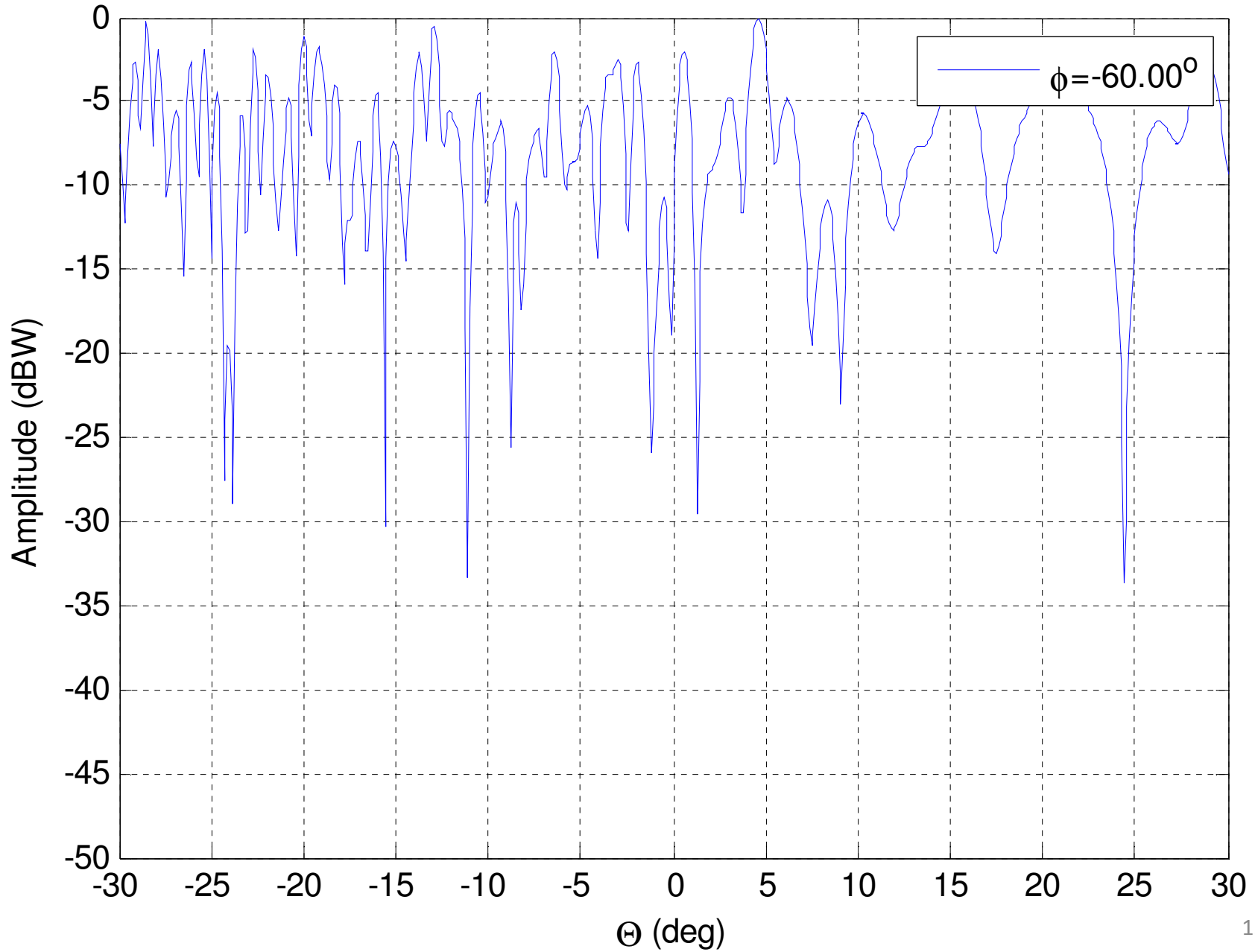
Input file: tx-17.5-rhcp-60.cut, Peak: -1.43 dBW, Date: 15-Sep-2011



# LHCP at 17.5 GHz

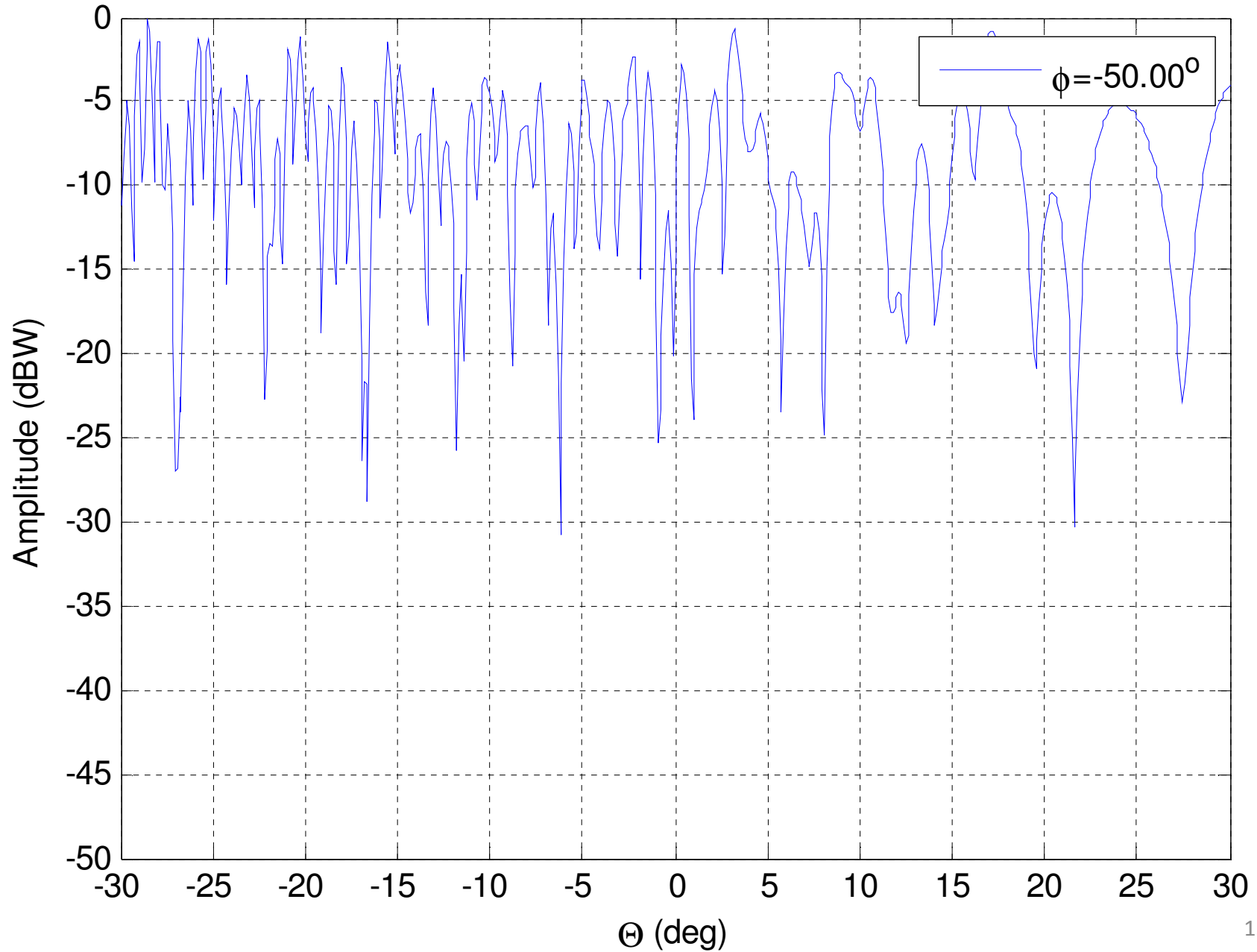
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--60.cut, Peak: -1.55 dBW, Date: 15-Sep-2011



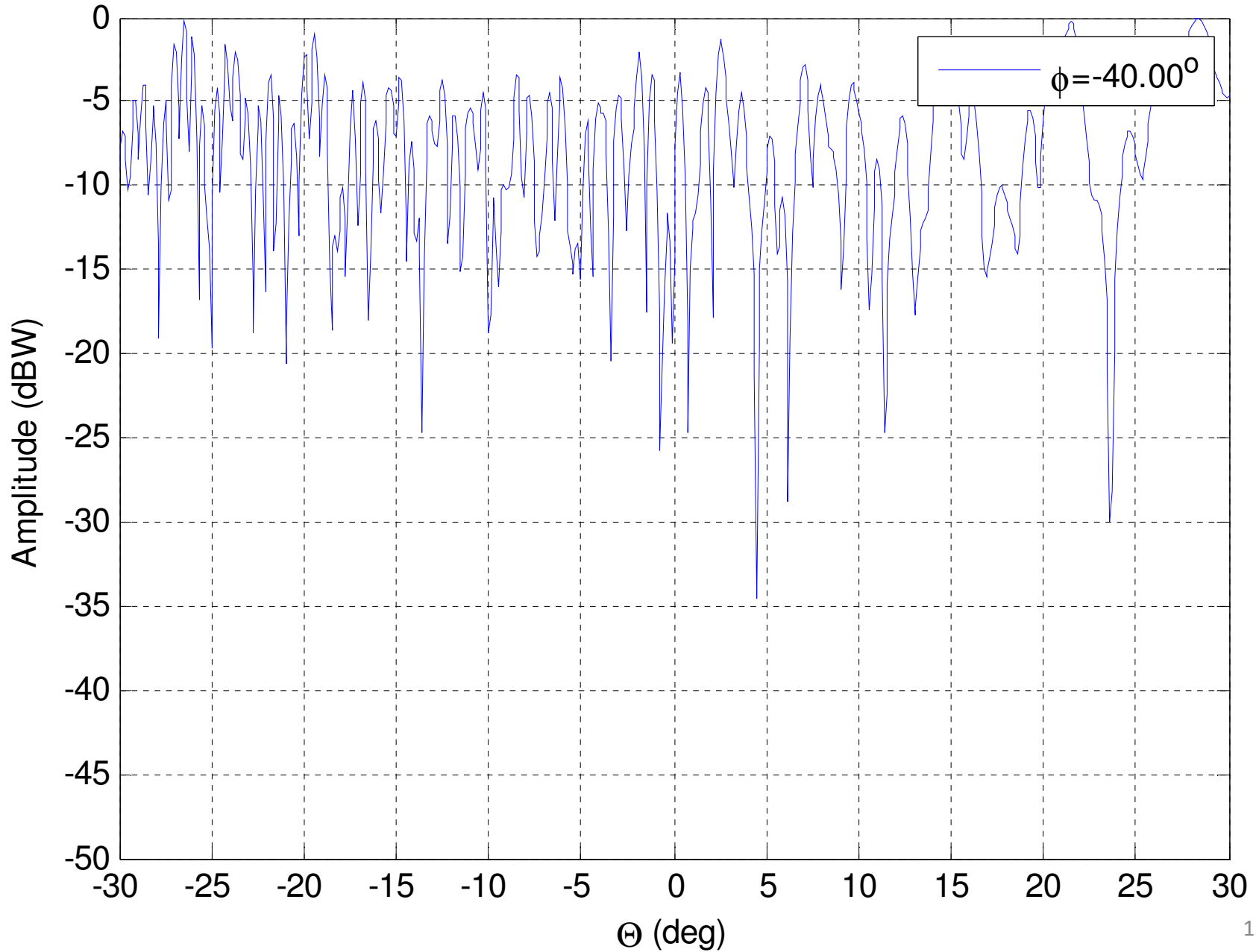
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--50.cut, Peak: -0.81 dBW, Date: 15-Sep-2011



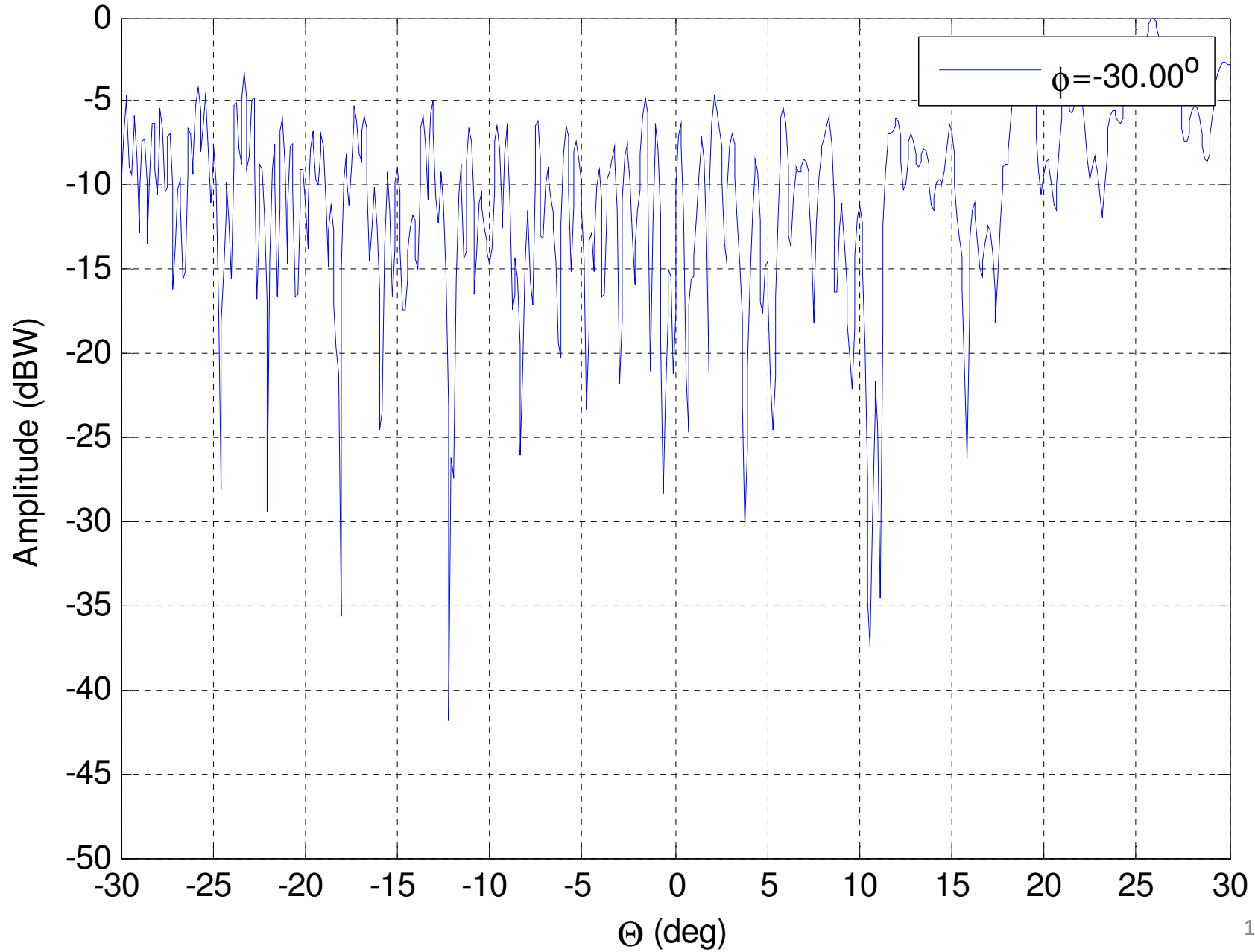
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--40.cut, Peak: -0.52 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

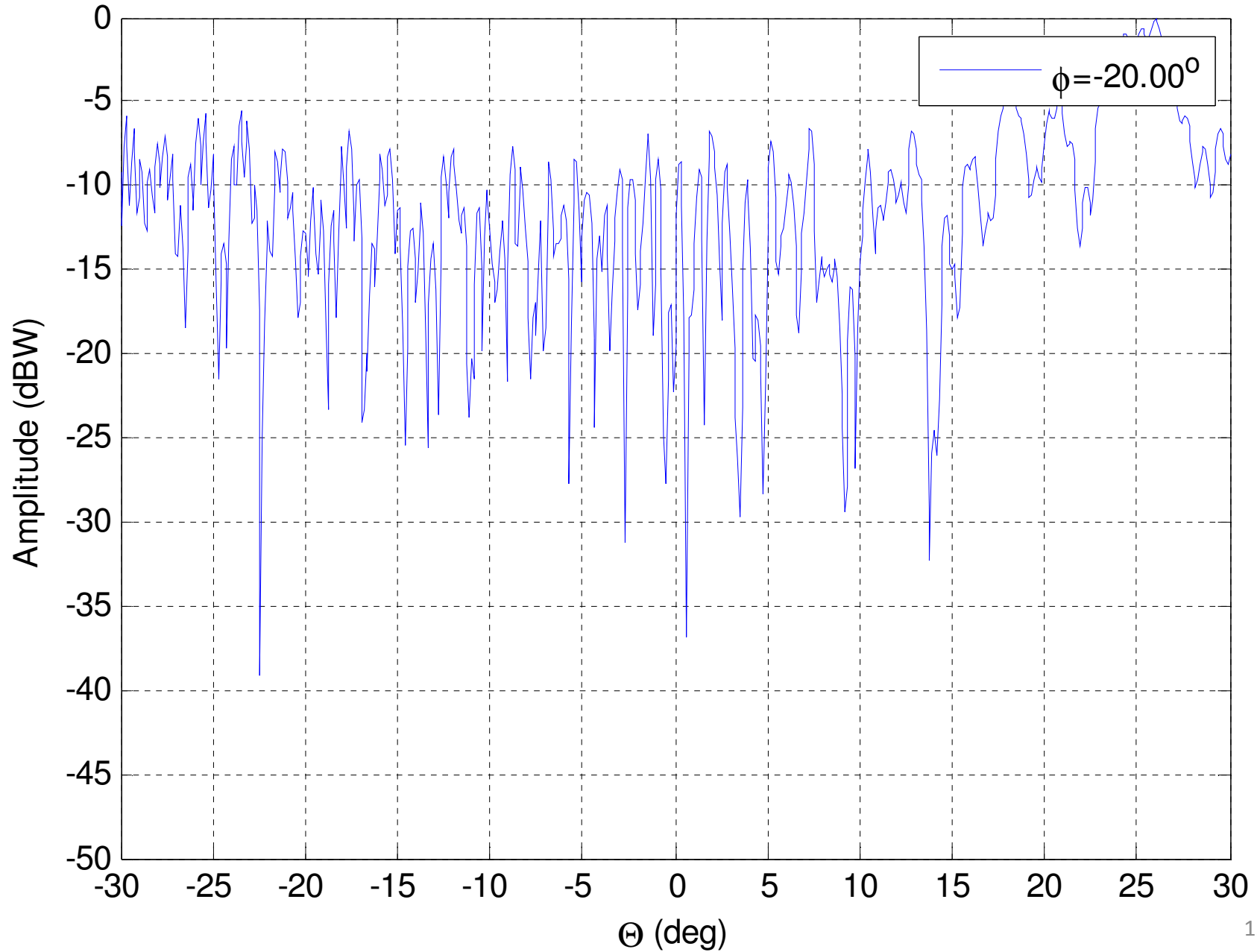
Input file: tx-17.5-lhcp--30.cut, Peak: 2.61 dBW, Date: 15-Sep-2011





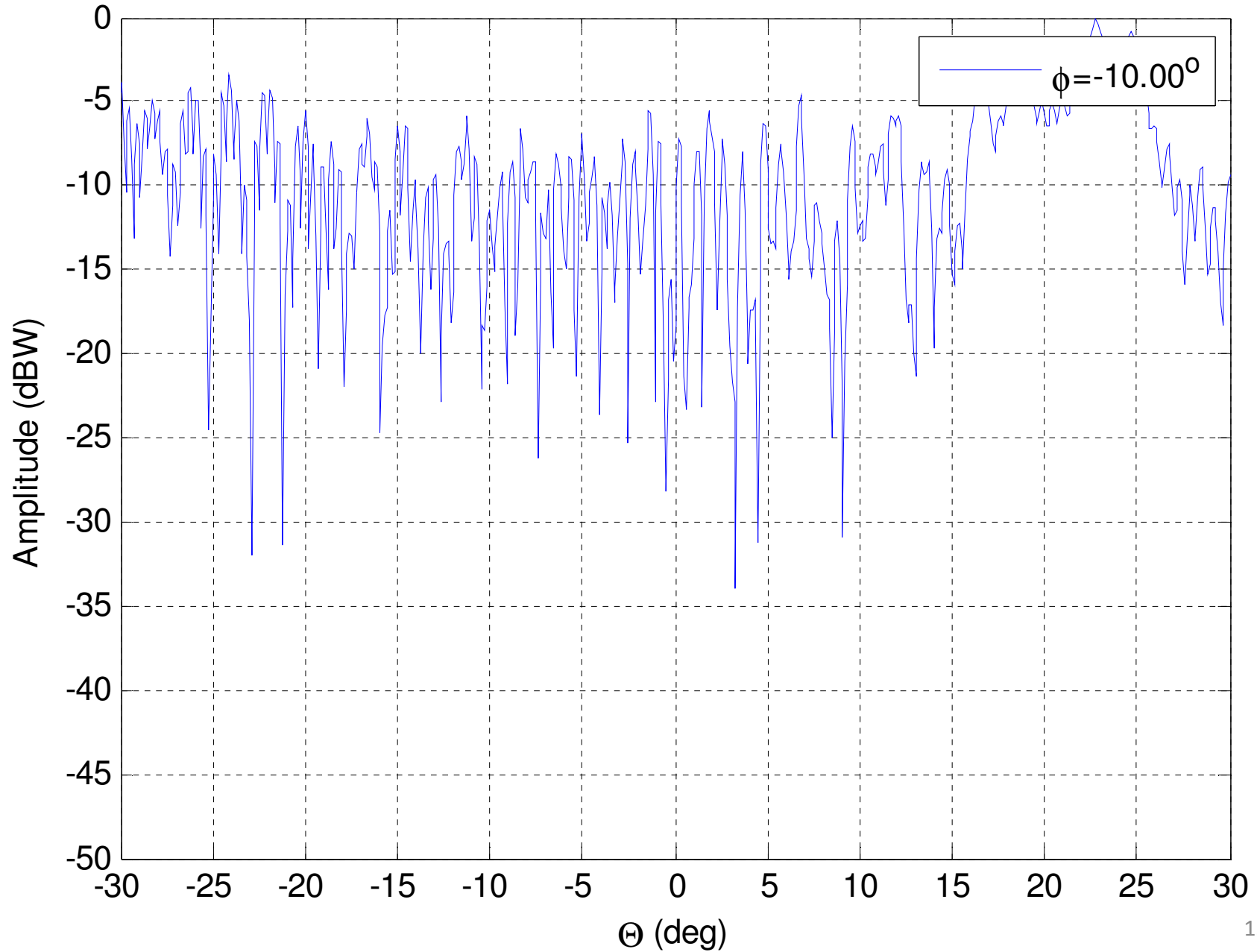
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--20.cut, Peak: 4.67 dBW, Date: 15-Sep-2011



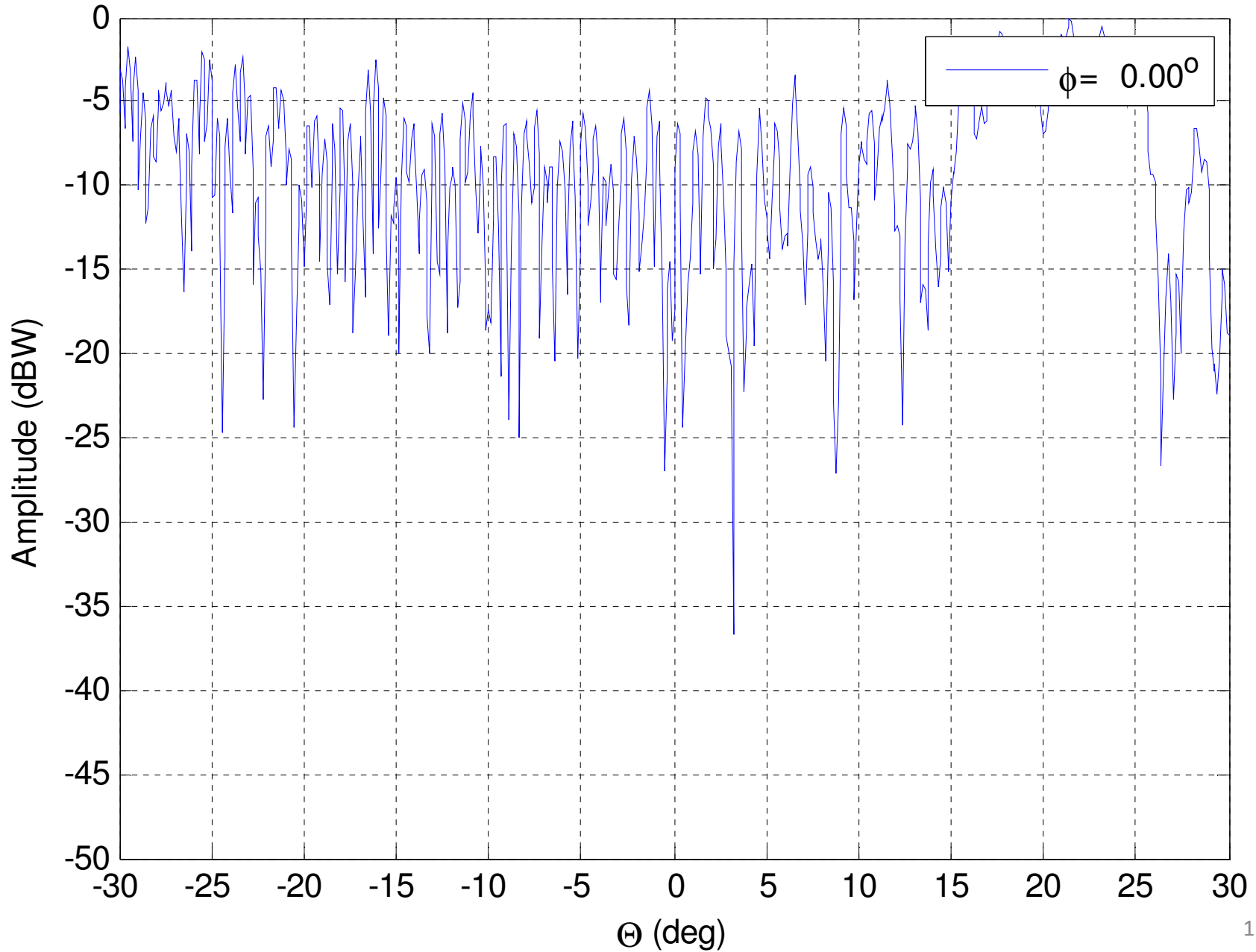
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--10.cut, Peak: 3.39 dBW, Date: 15-Sep-2011



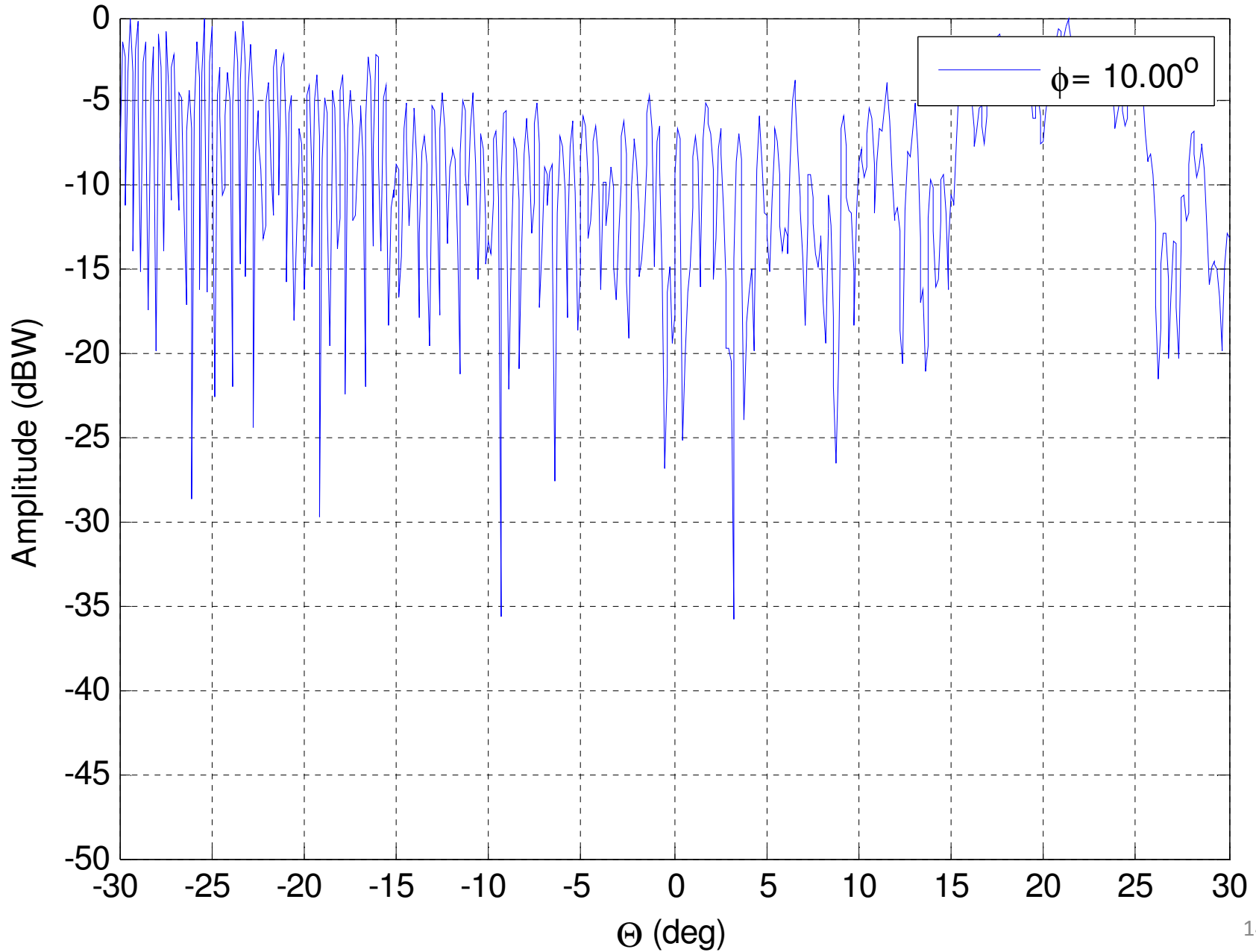
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-0.cut, Peak: 2.45 dBW, Date: 15-Sep-2011



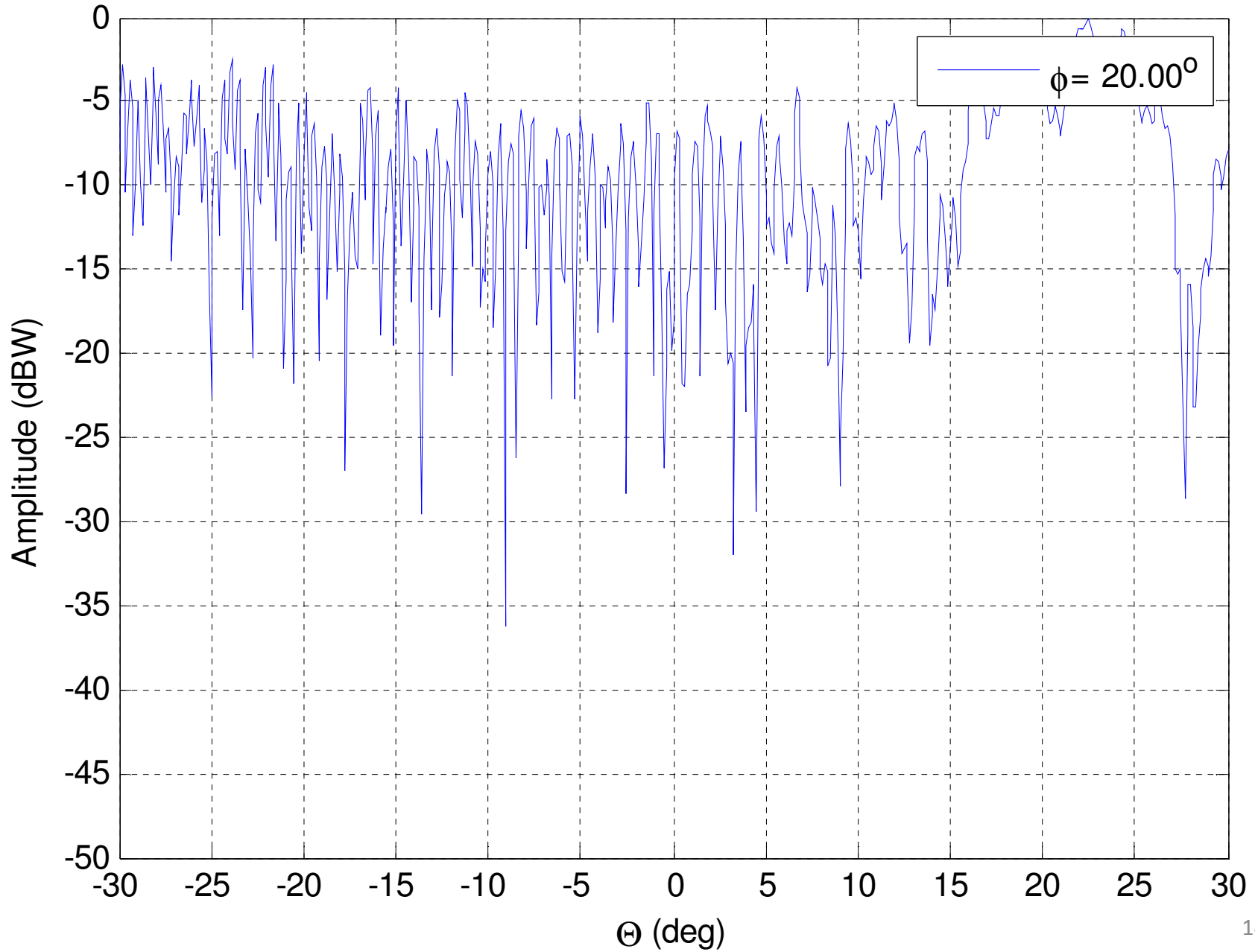
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-10.cut, Peak: 2.76 dBW, Date: 15-Sep-2011



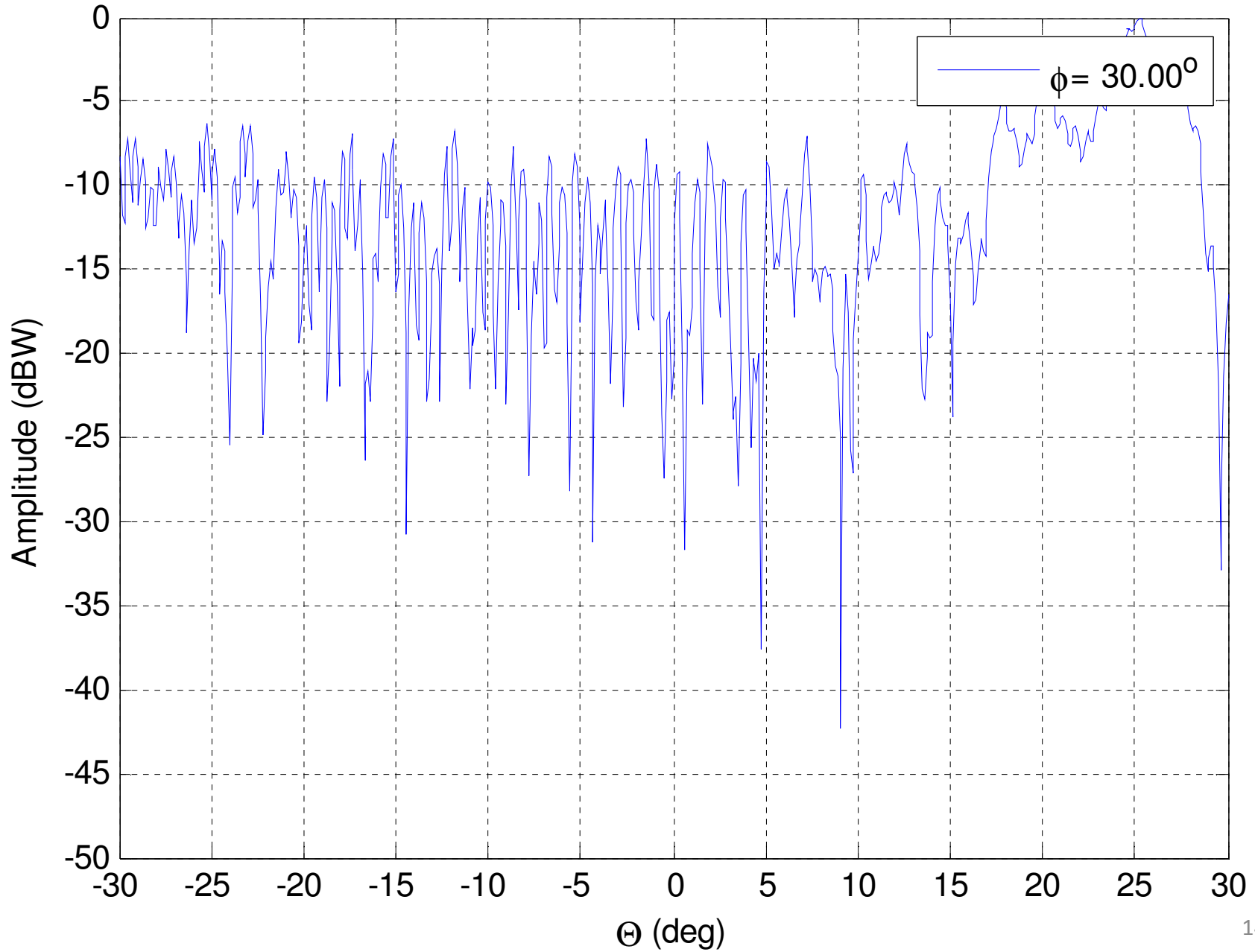
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-20.cut, Peak: 2.93 dBW, Date: 15-Sep-2011



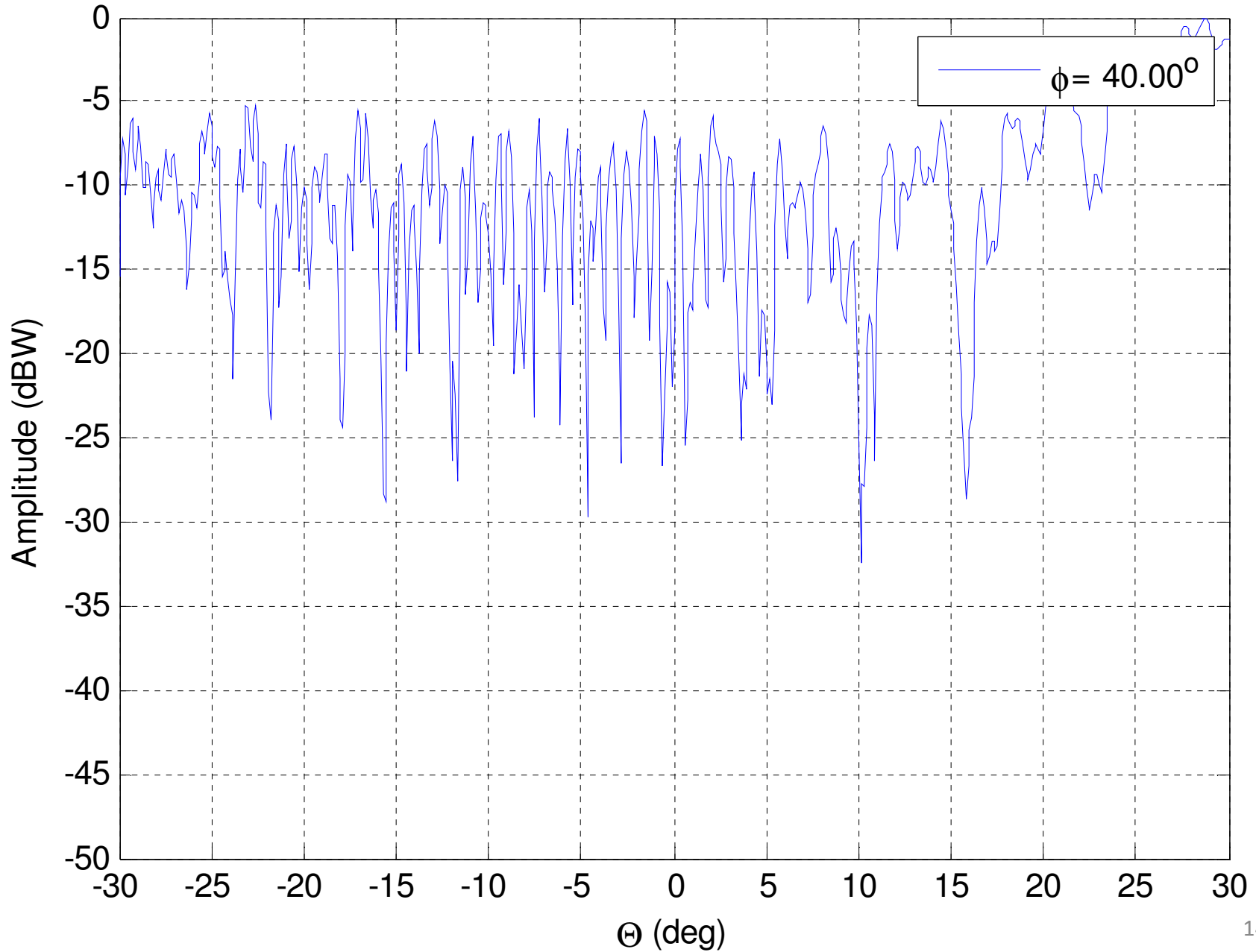
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-30.cut, Peak: 5.23 dBW, Date: 15-Sep-2011



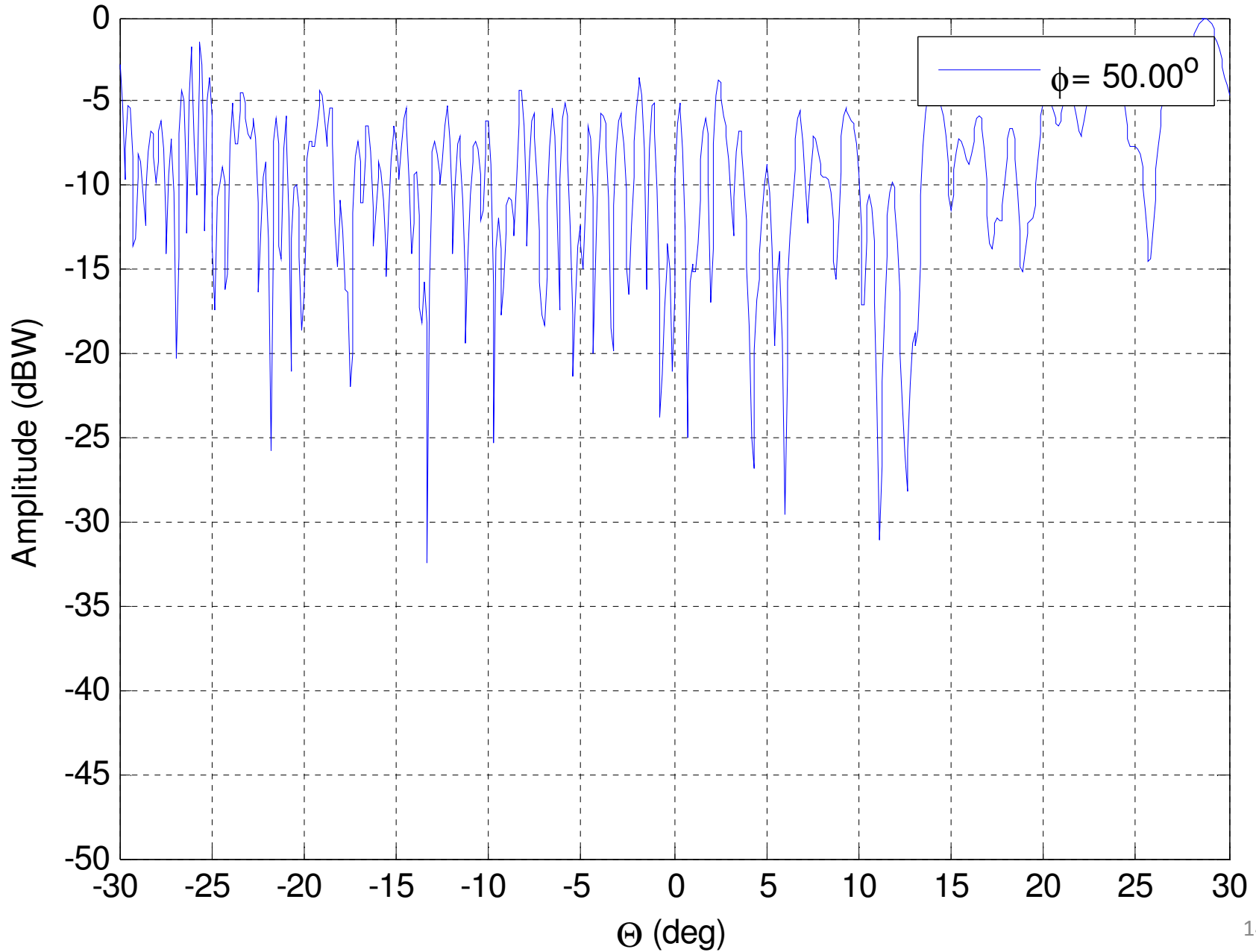
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-40.cut, Peak: 3.52 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

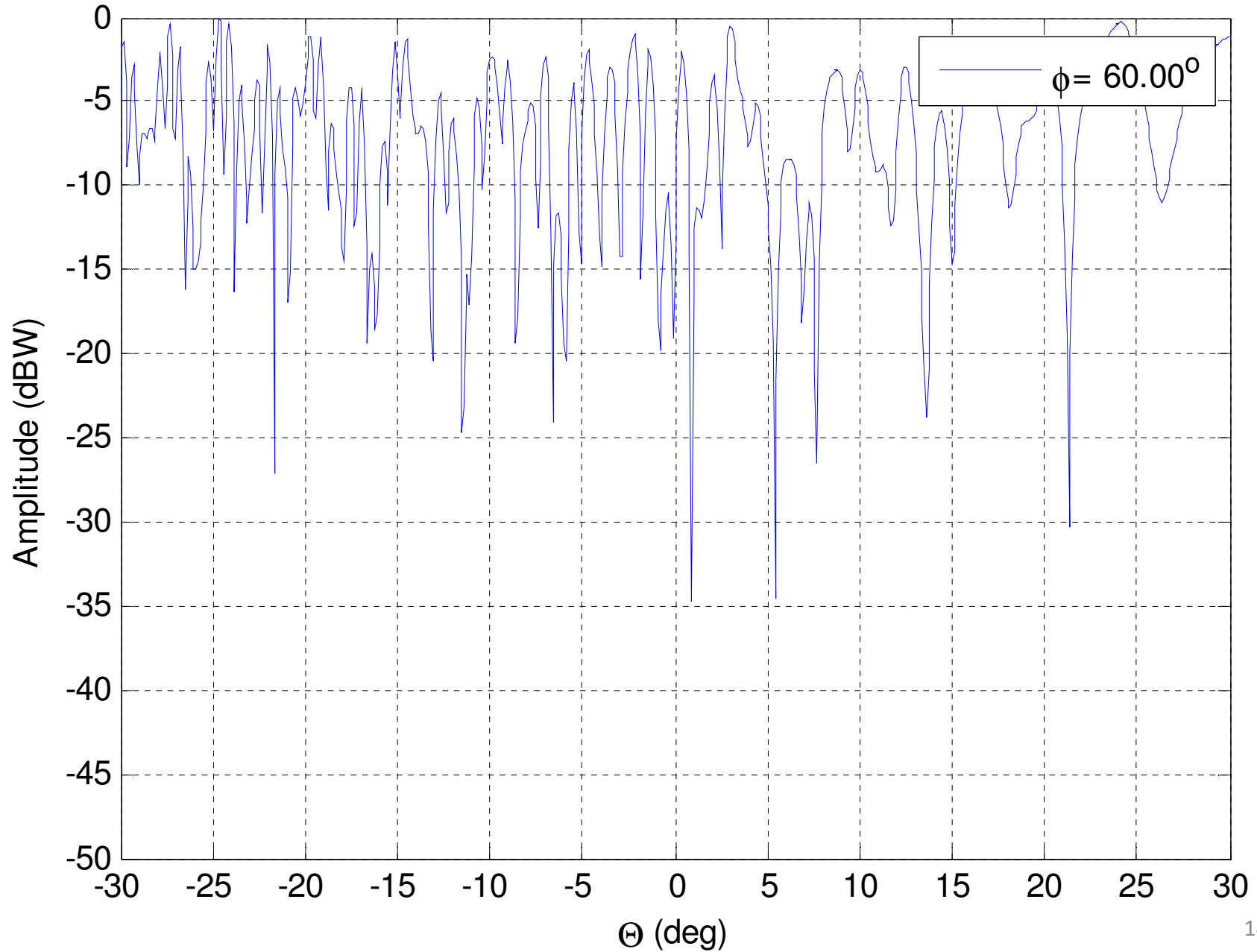
Input file: tx-17.5-lhcp-50.cut, Peak: 1.38 dBW, Date: 15-Sep-2011





# Normalized pattern cuts - farfield

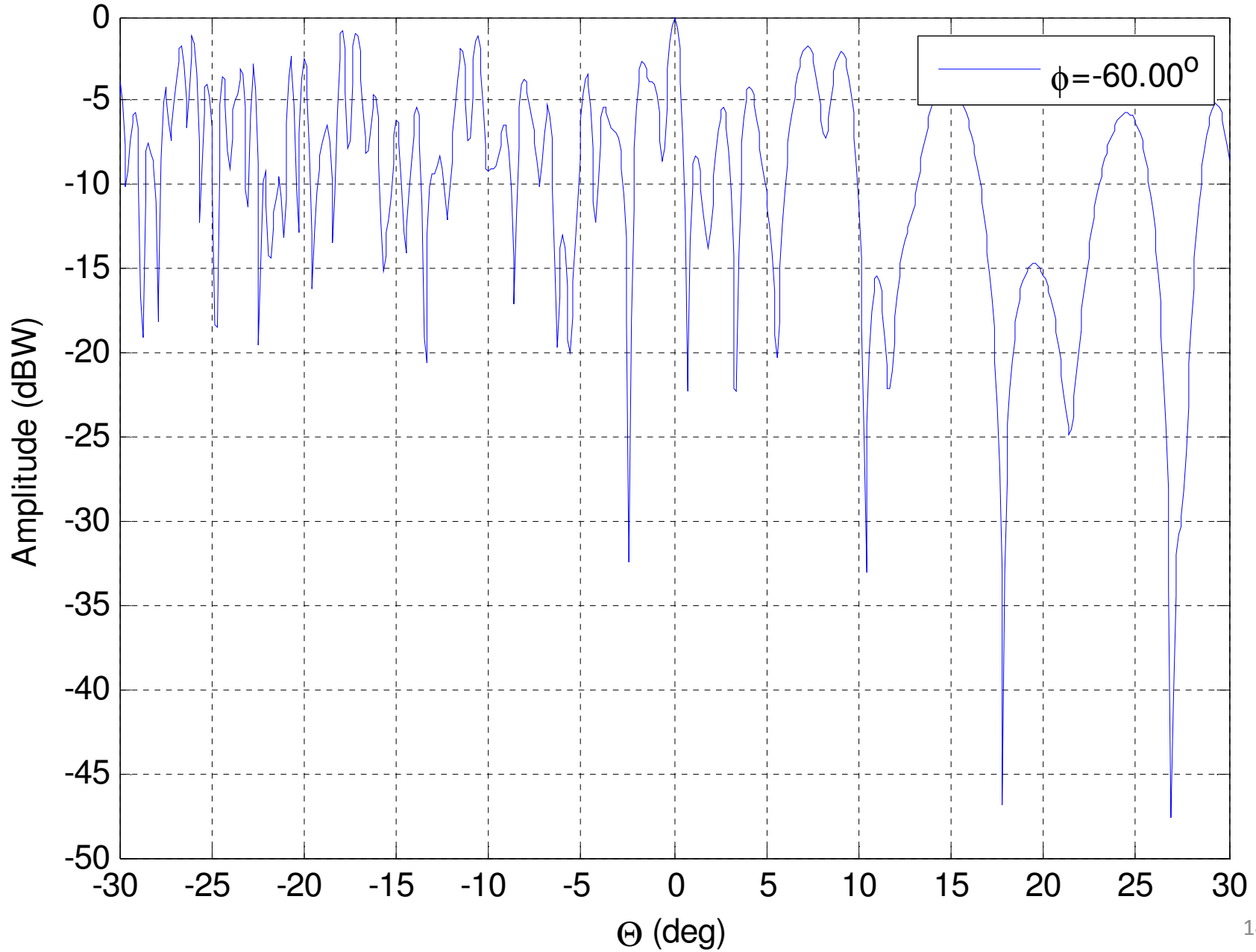
Input file: tx-17.5-lhcp-60.cut, Peak: -1.67 dBW, Date: 15-Sep-2011



# RHCP at 17.7 GHz

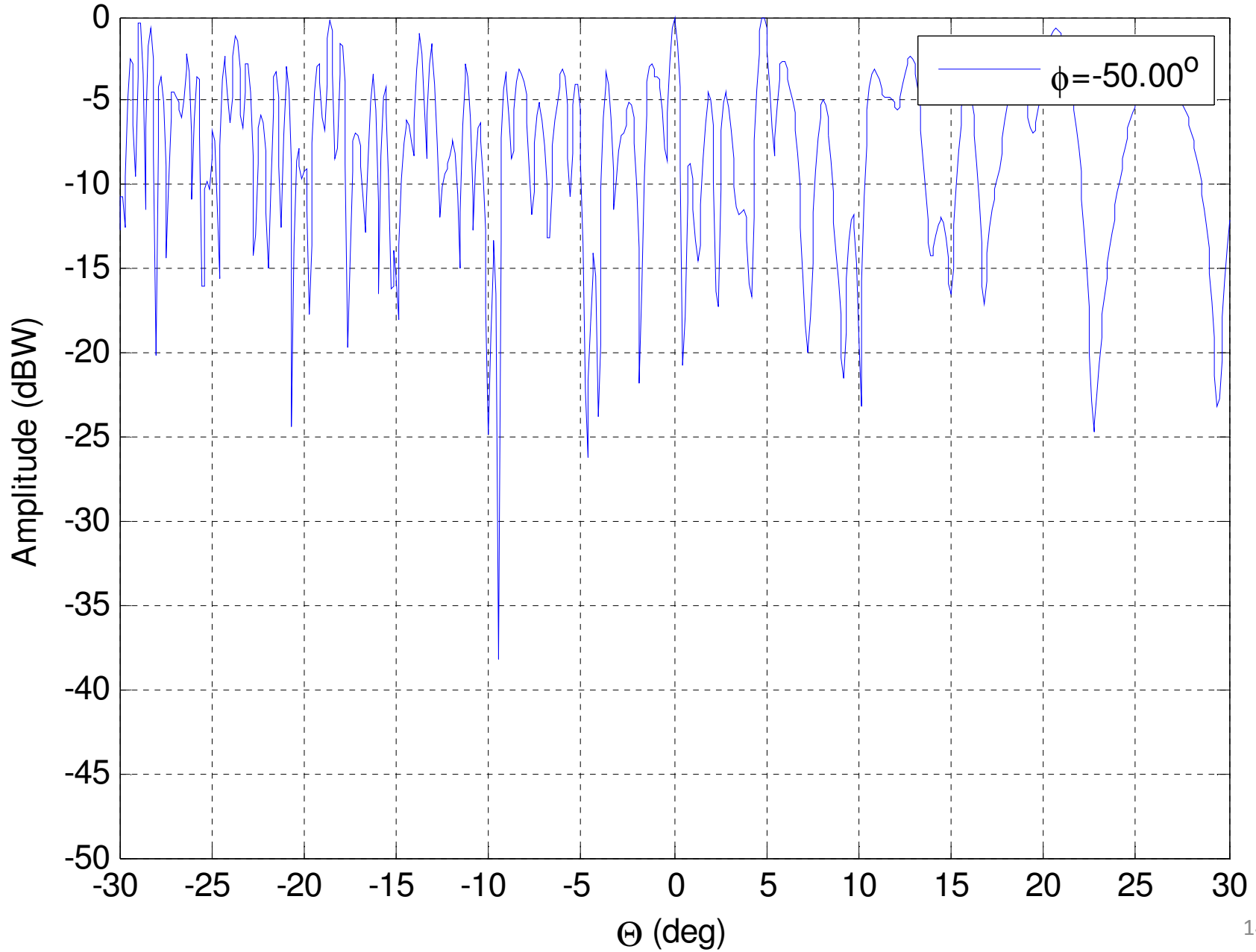
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--60.cut, Peak: -1.92 dBW, Date: 15-Sep-2011



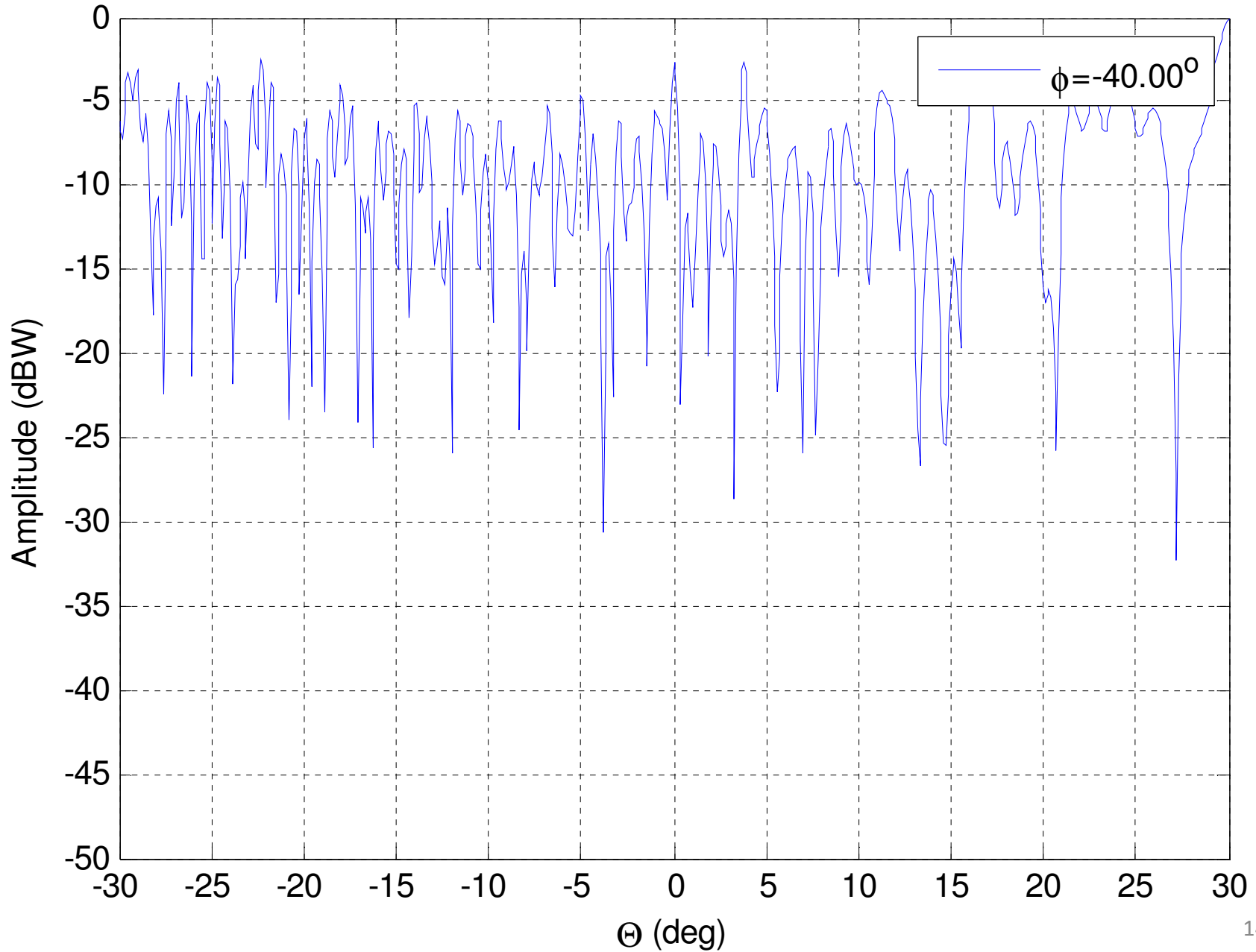
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--50.cut, Peak: -1.92 dBW, Date: 15-Sep-2011



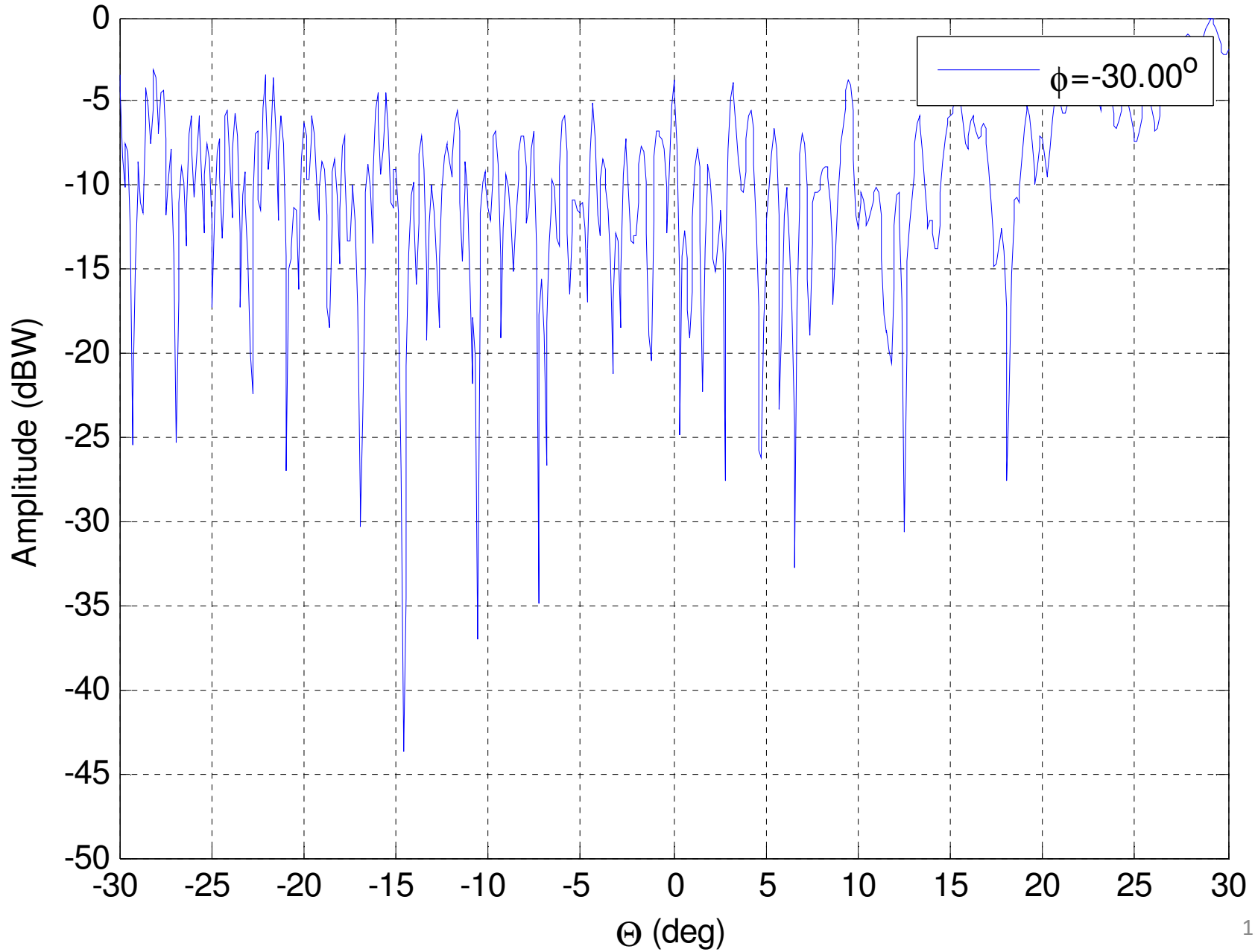
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--40.cut, Peak: 0.81 dBW, Date: 15-Sep-2011



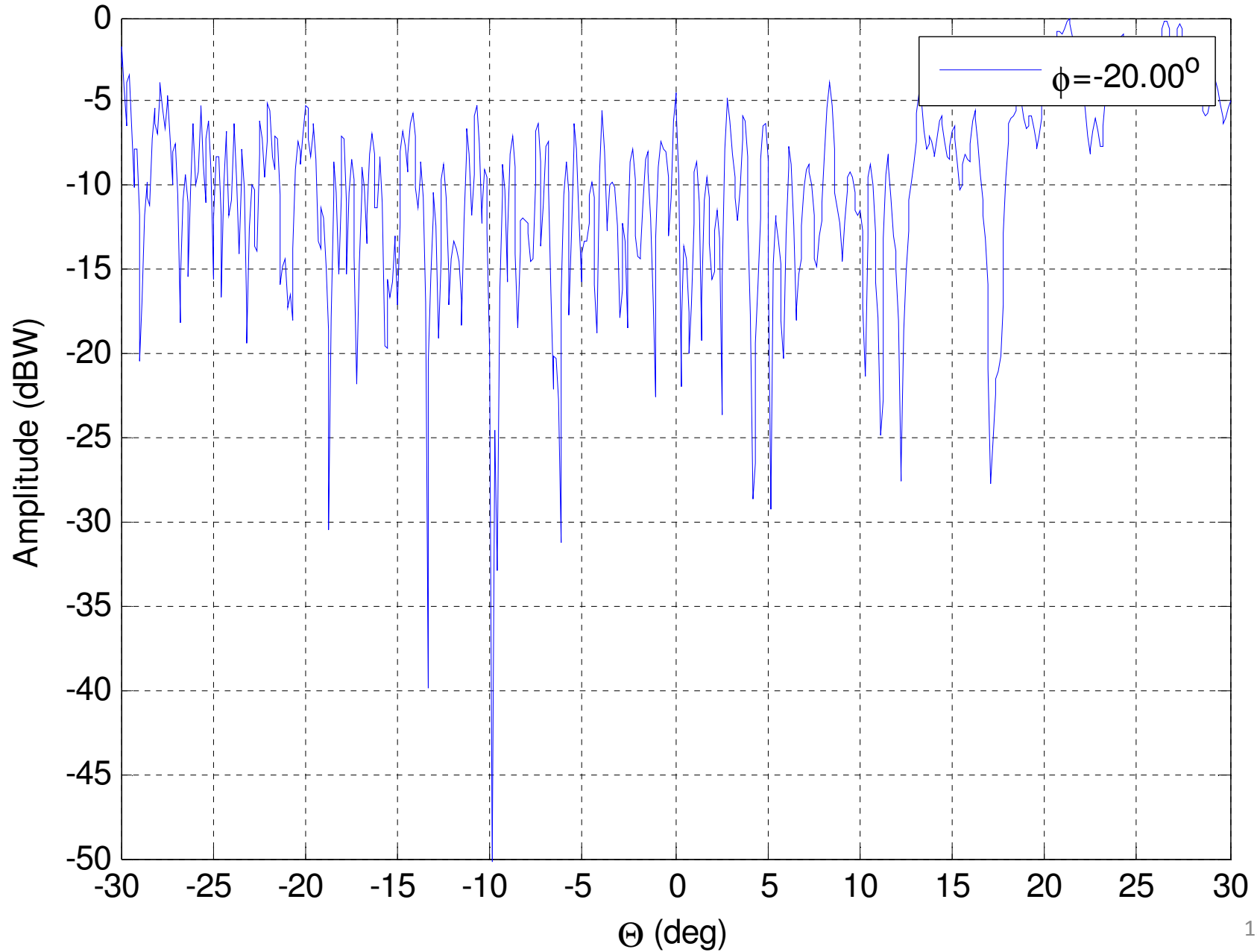
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--30.cut, Peak: 1.87 dBW, Date: 15-Sep-2011



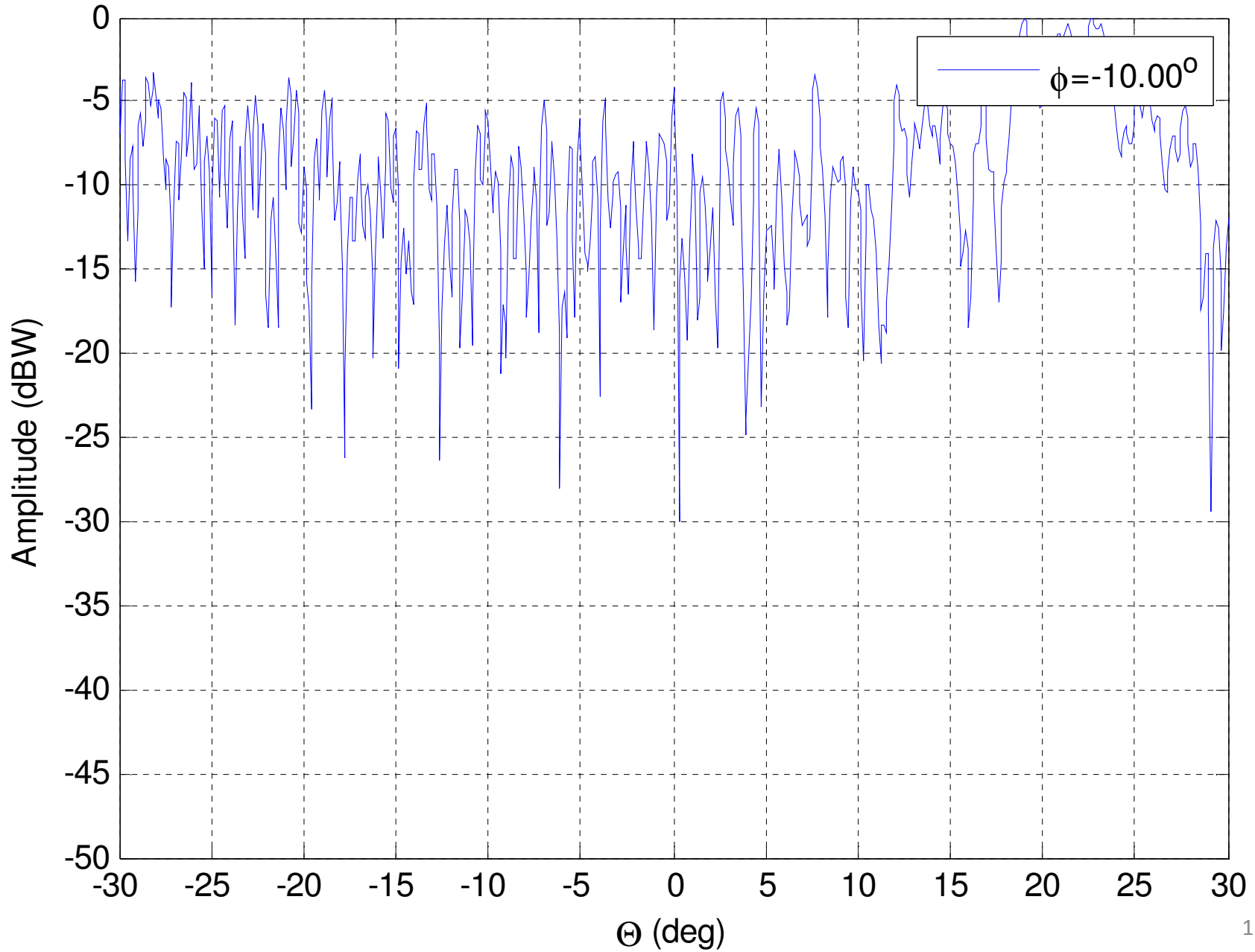
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--20.cut, Peak: 2.51 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

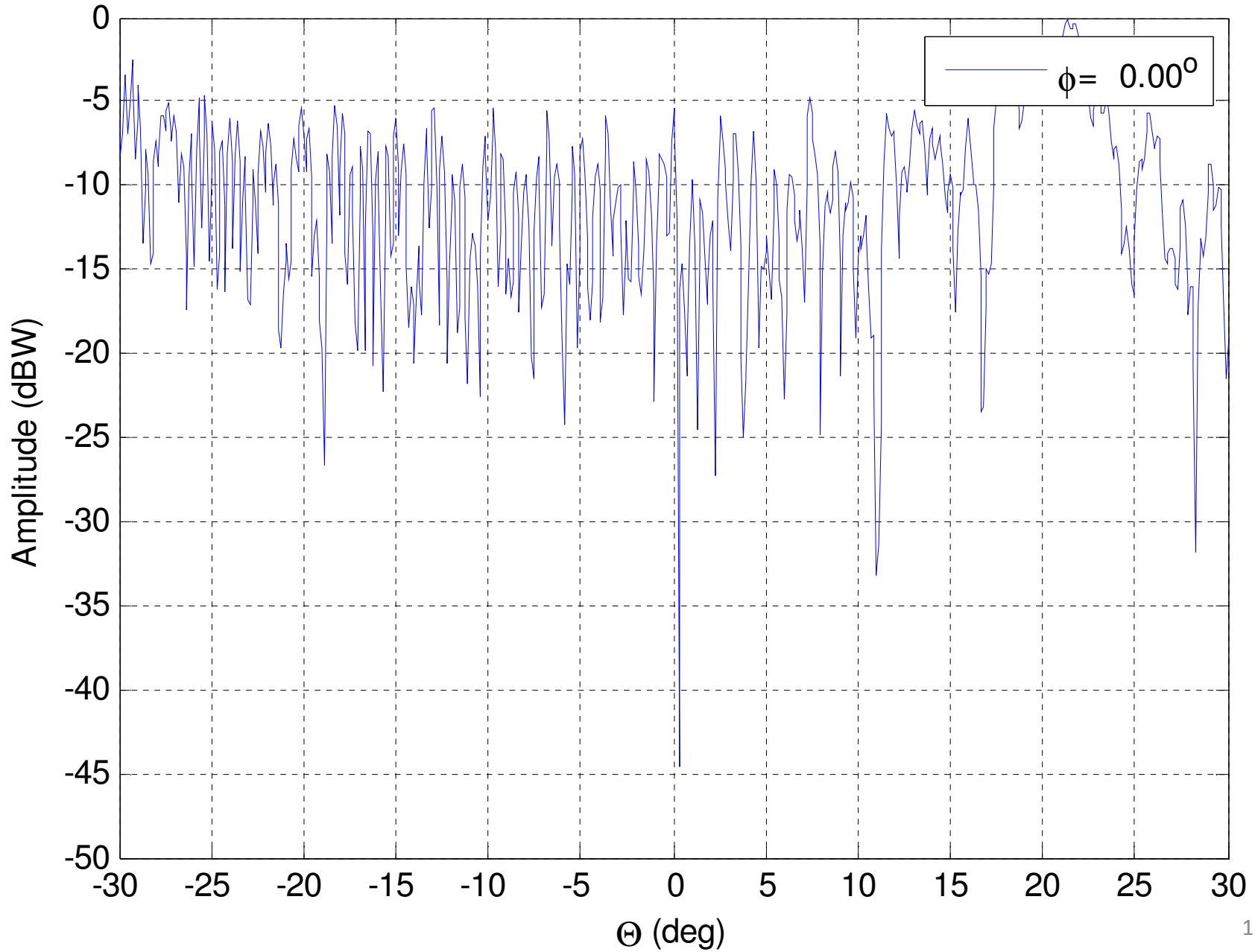
Input file: tx-17.7-rhcp--10.cut, Peak: 2.19 dBW, Date: 15-Sep-2011





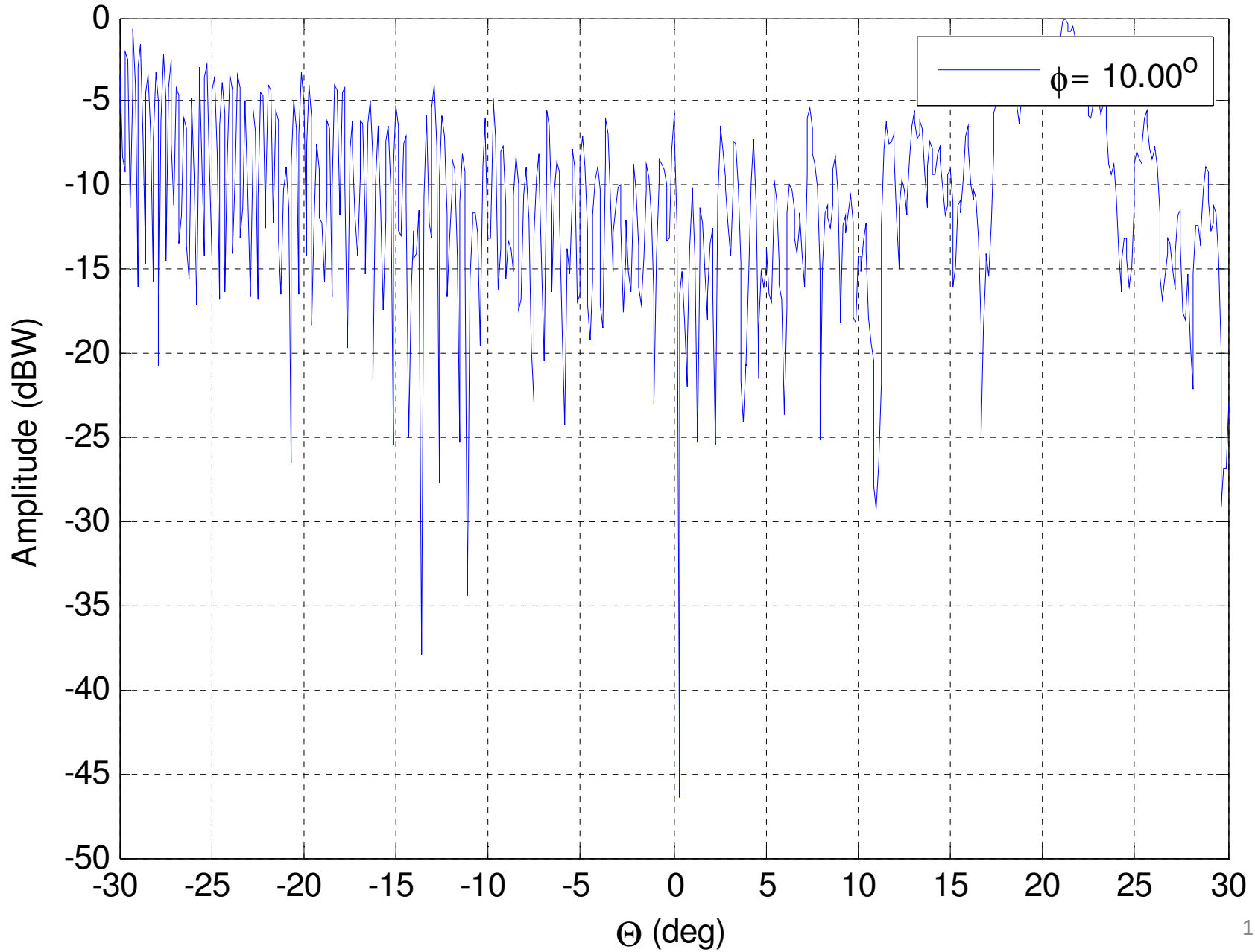
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-0.cut, Peak: 3.44 dBW, Date: 15-Sep-2011



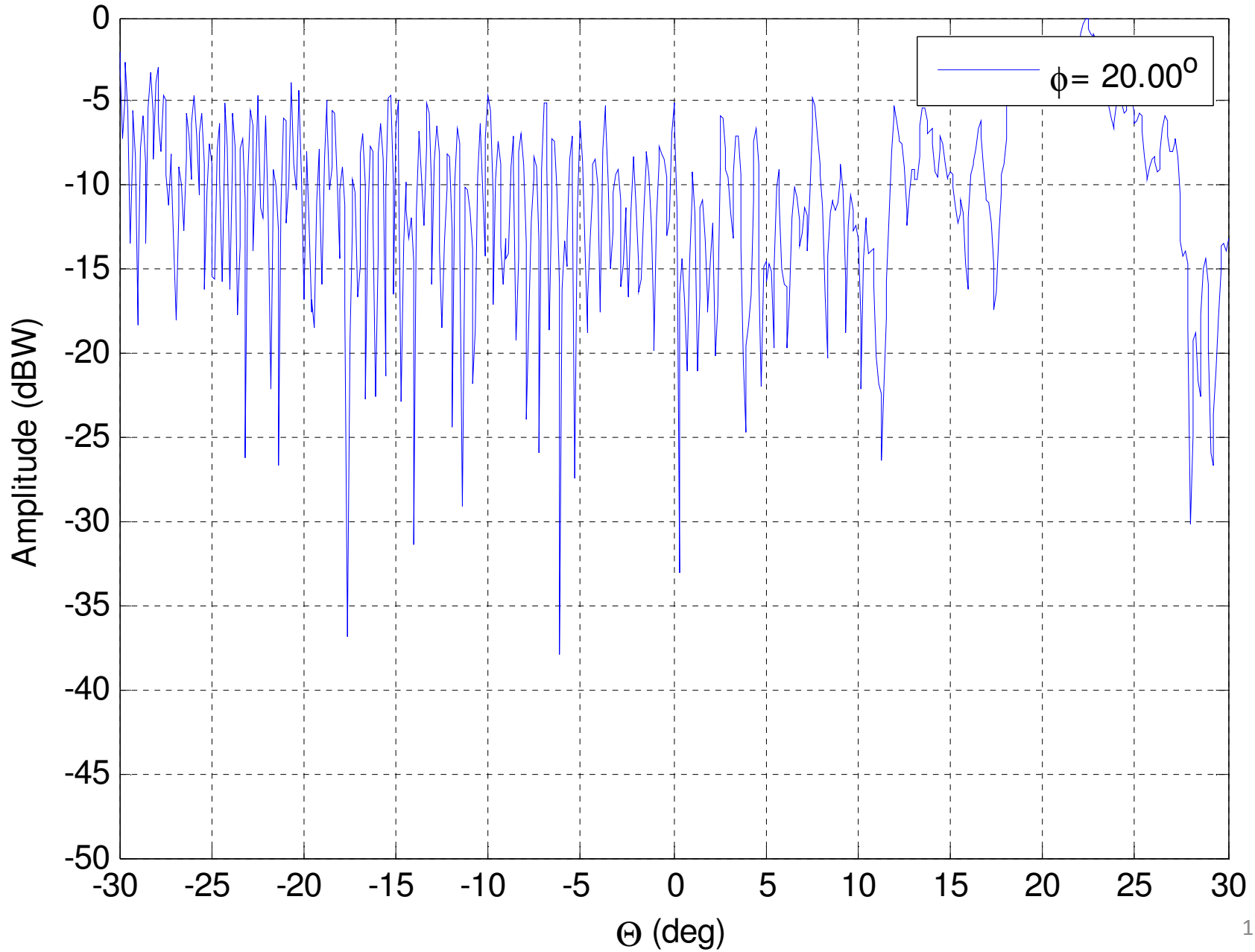
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-10.cut, Peak: 3.82 dBW, Date: 15-Sep-2011



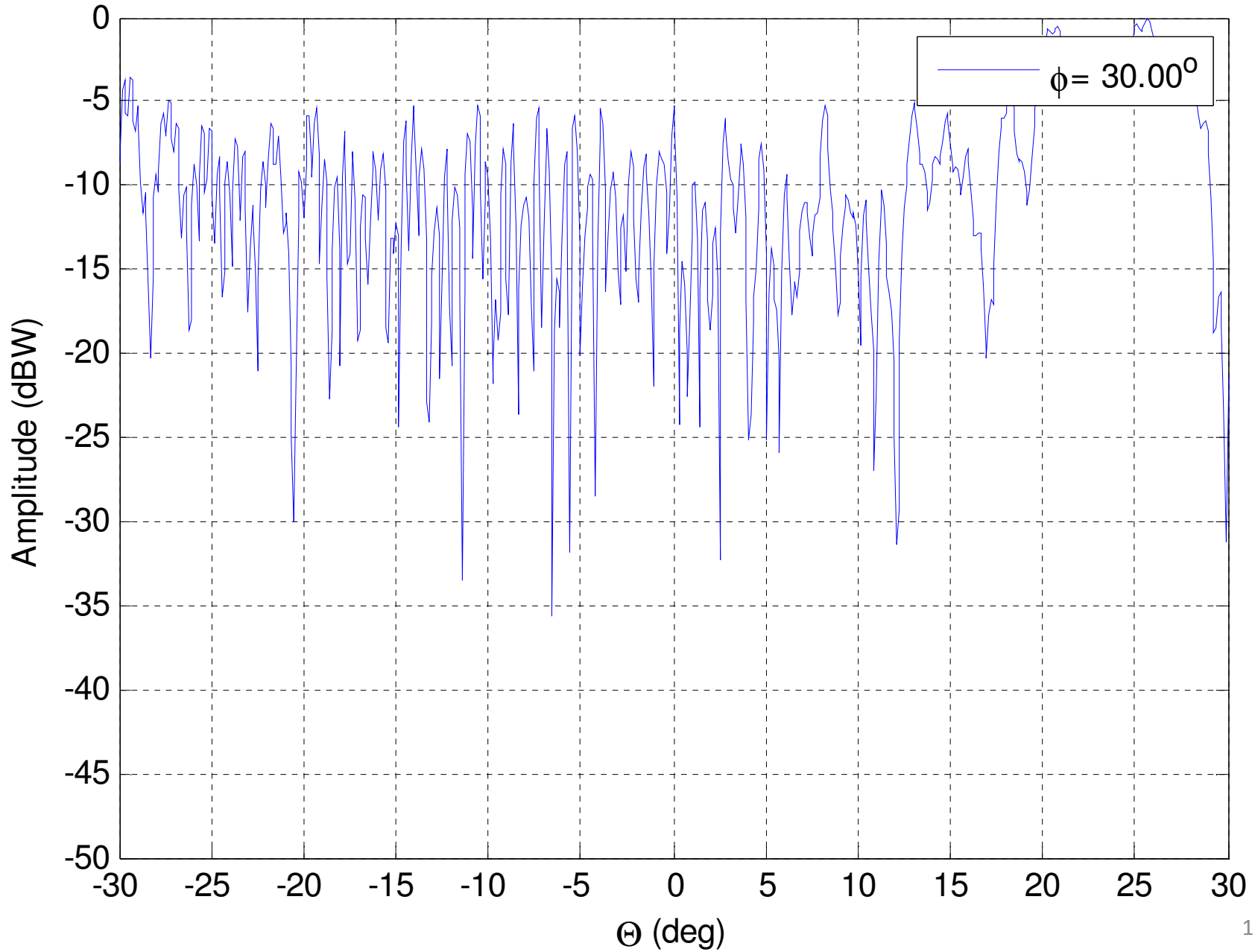
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-20.cut, Peak: 3.14 dBW, Date: 15-Sep-2011



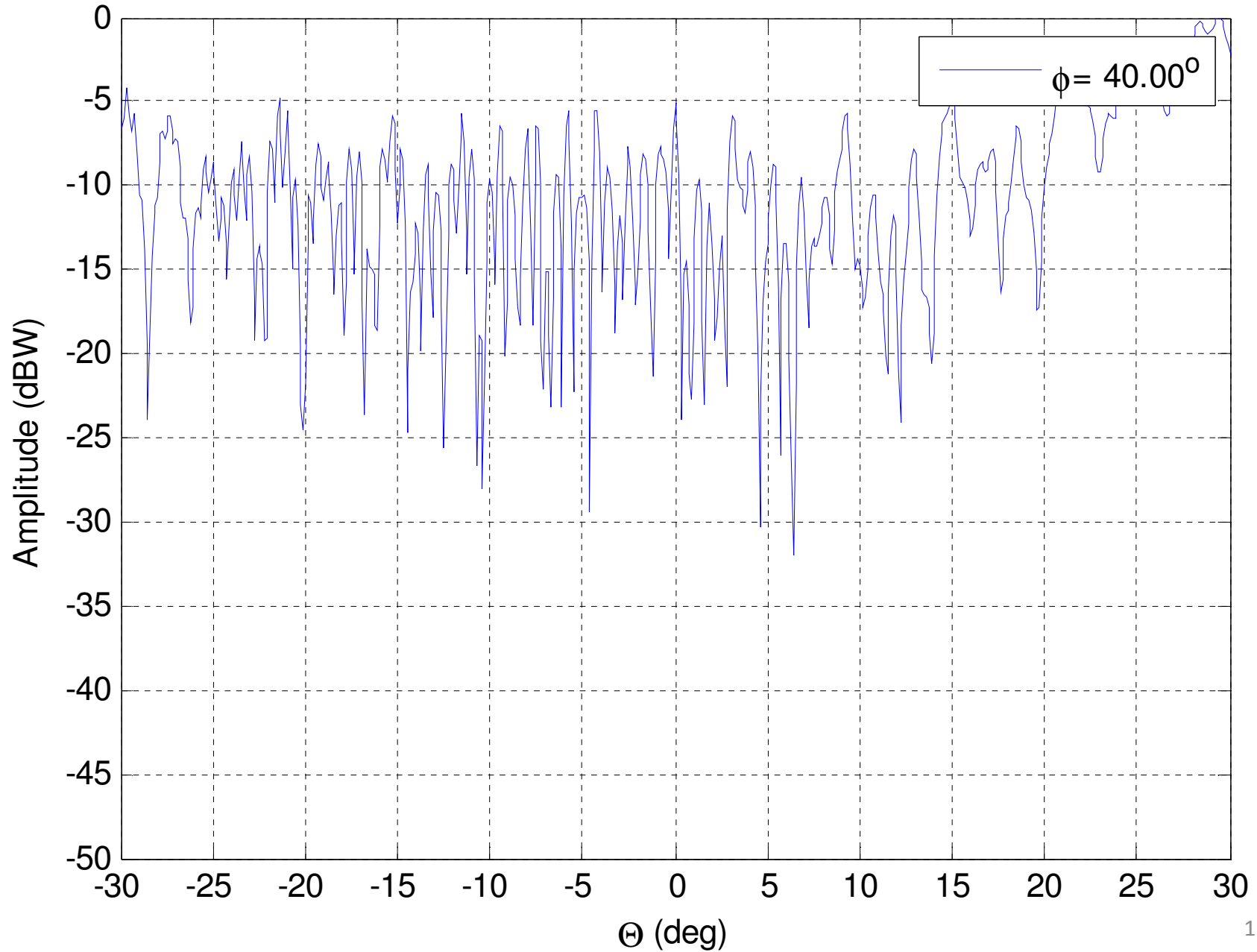
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-30.cut, Peak: 3.37 dBW, Date: 15-Sep-2011



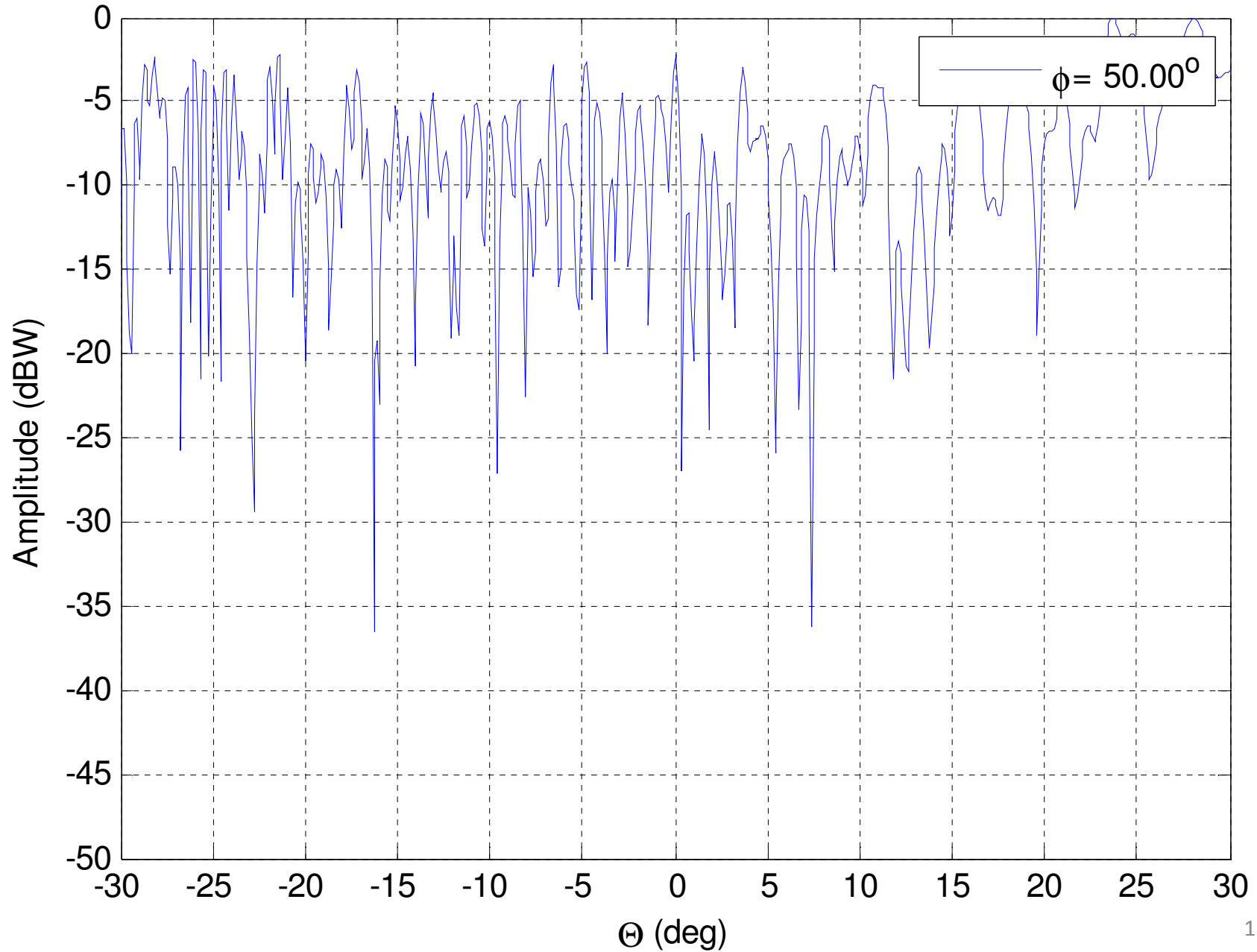
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-40.cut, Peak: 3.24 dBW, Date: 15-Sep-2011



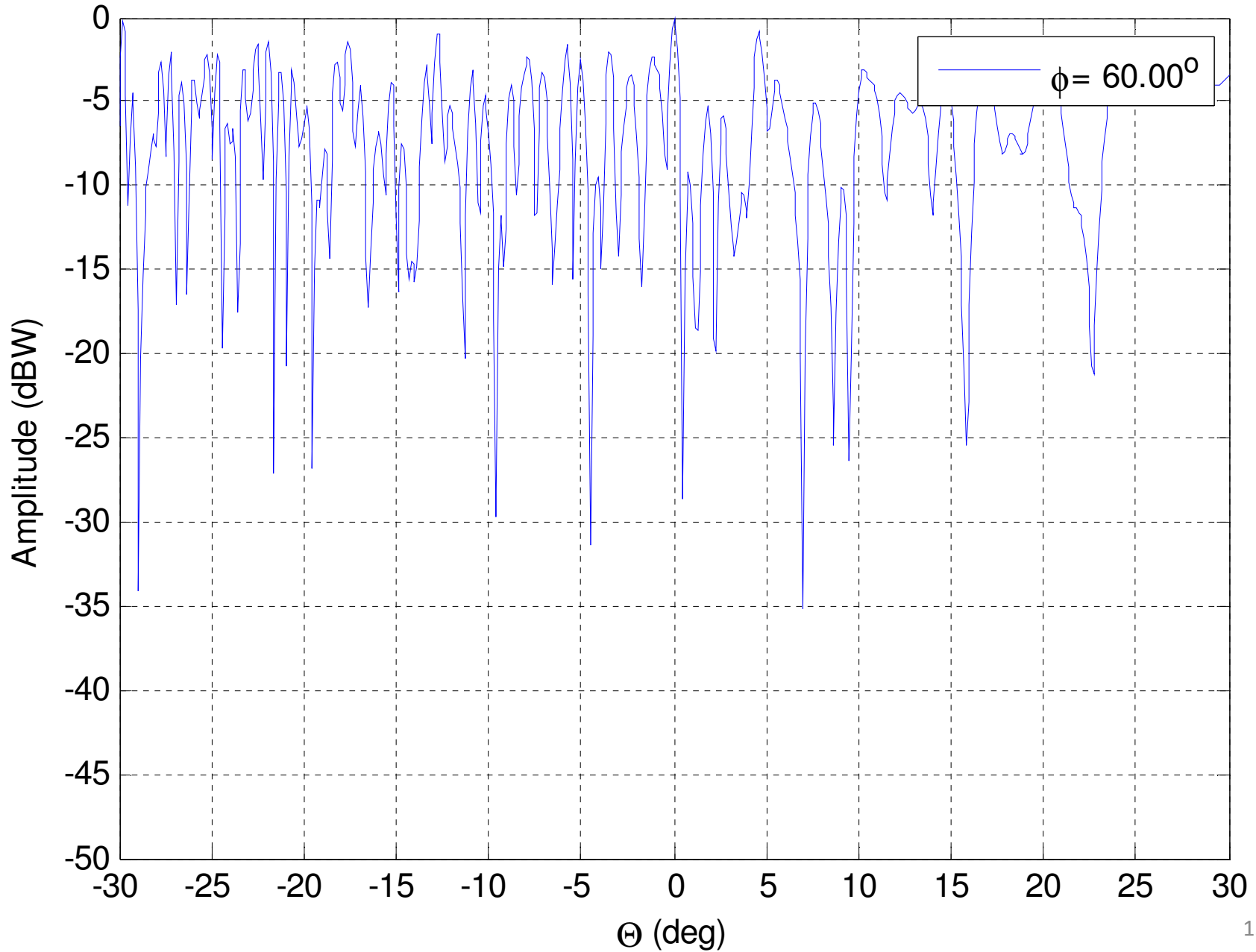
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-50.cut, Peak: 0.25 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-60.cut, Peak: -1.92 dBW, Date: 15-Sep-2011

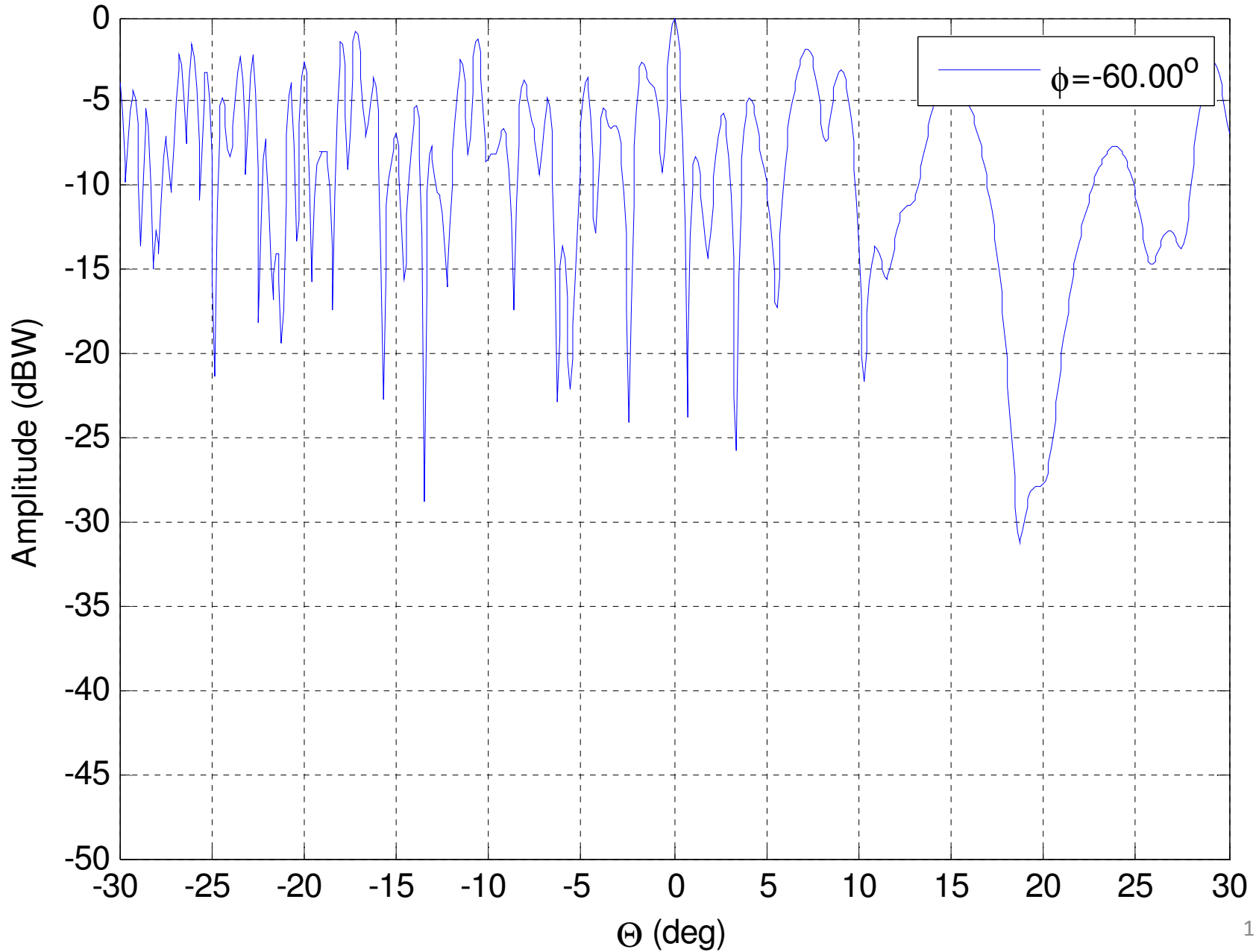


# LHCP at 17.7 GHz



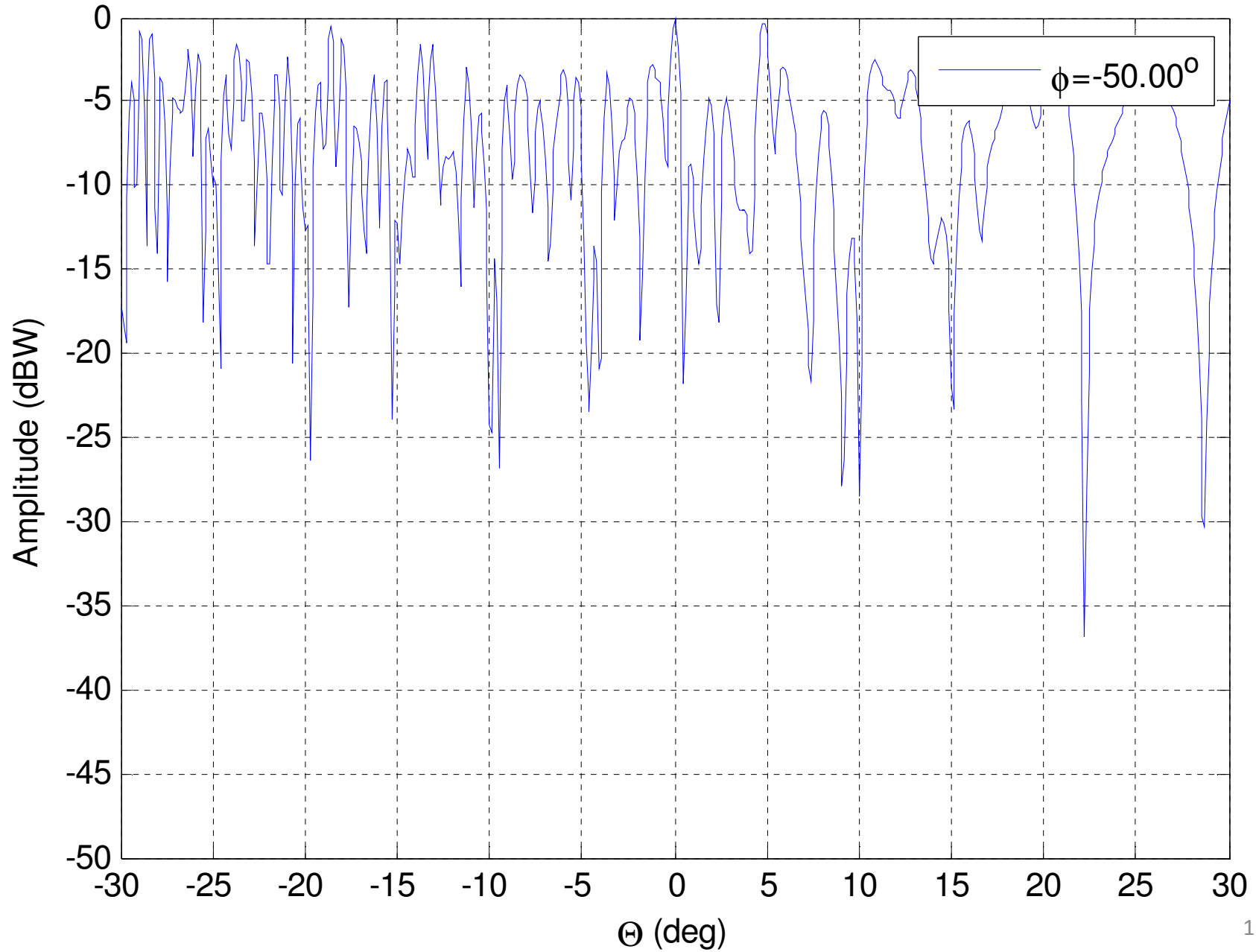
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--60.cut, Peak: -1.78 dBW, Date: 15-Sep-2011



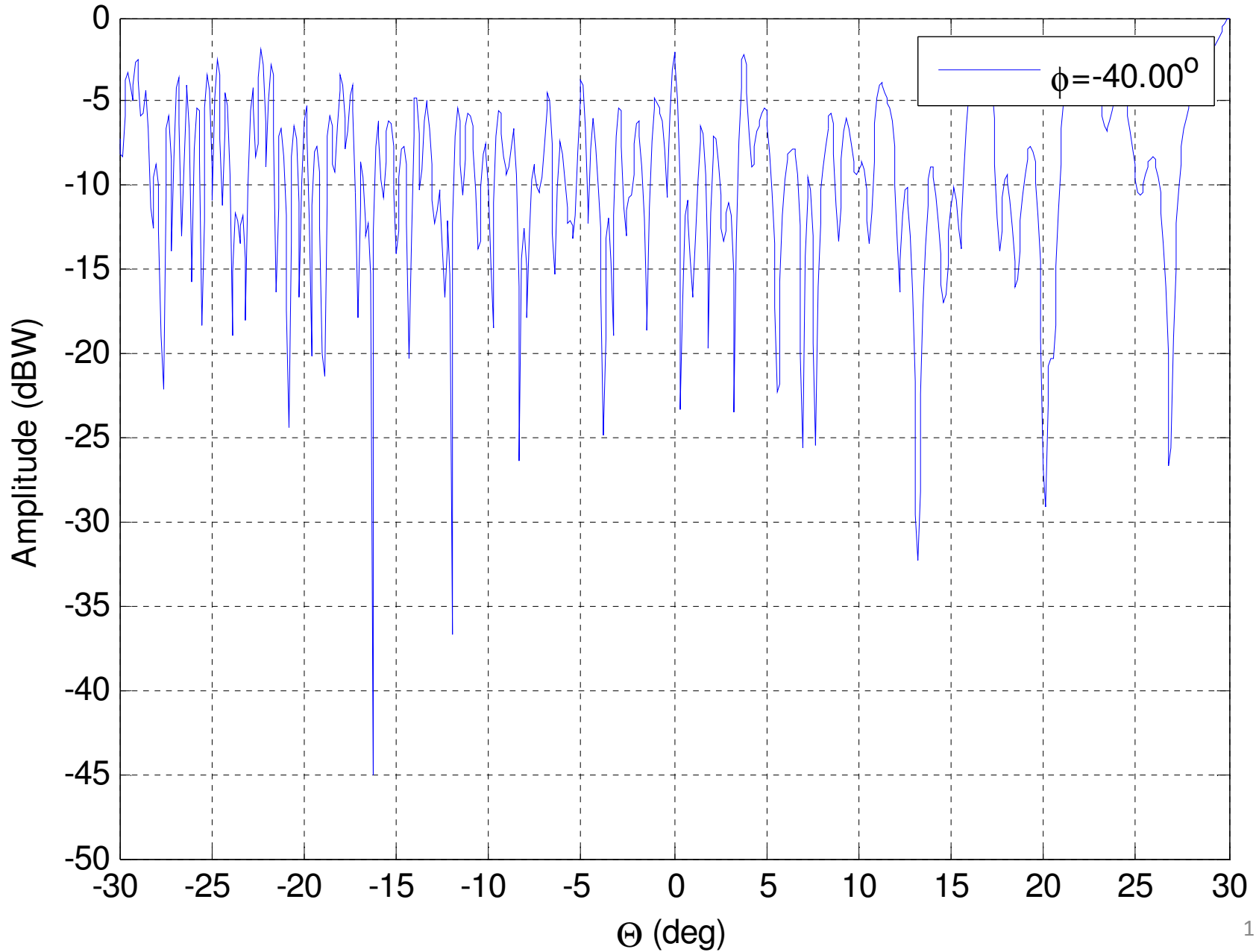
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--50.cut, Peak: -1.78 dBW, Date: 15-Sep-2011



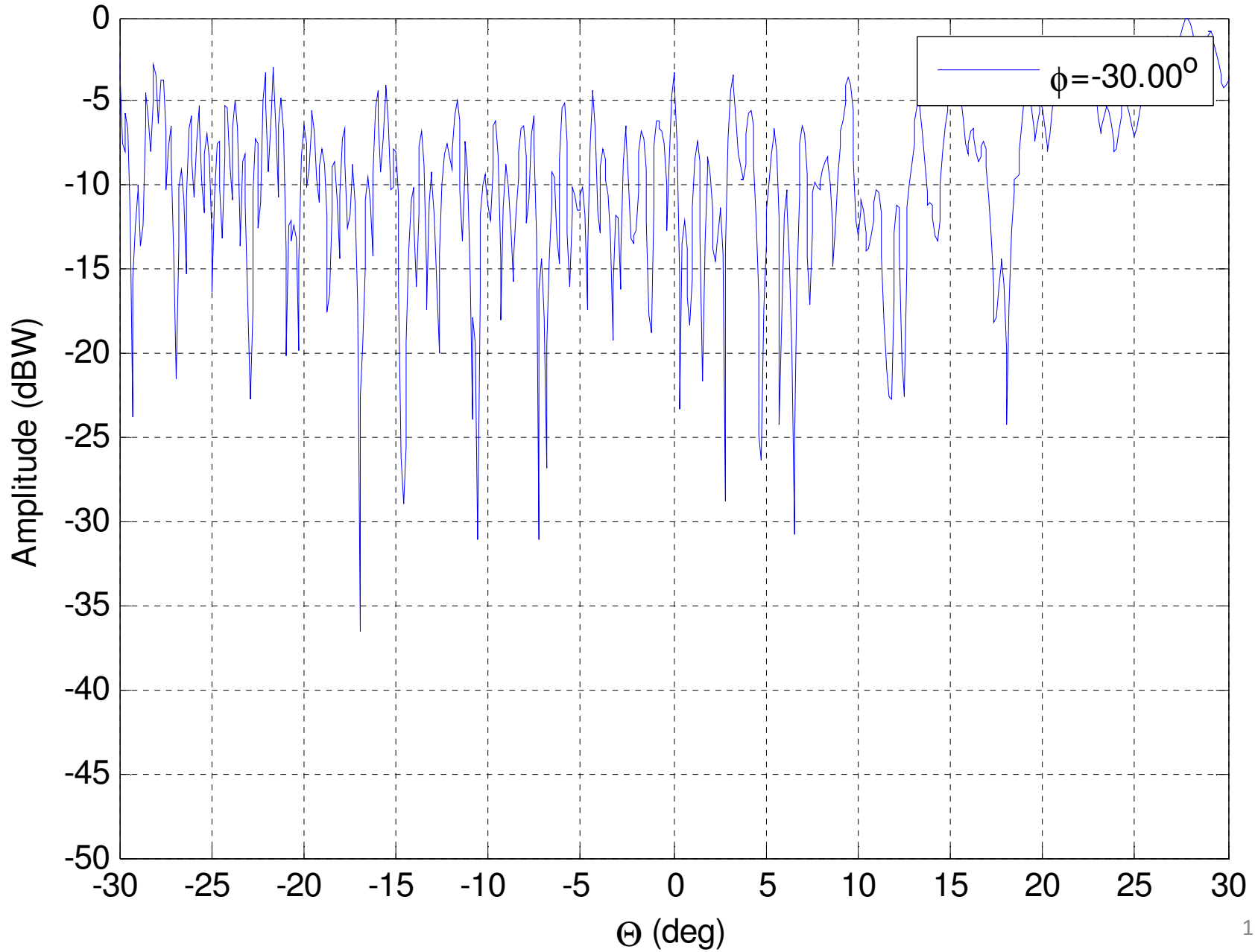
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--40.cut, Peak: 0.25 dBW, Date: 15-Sep-2011



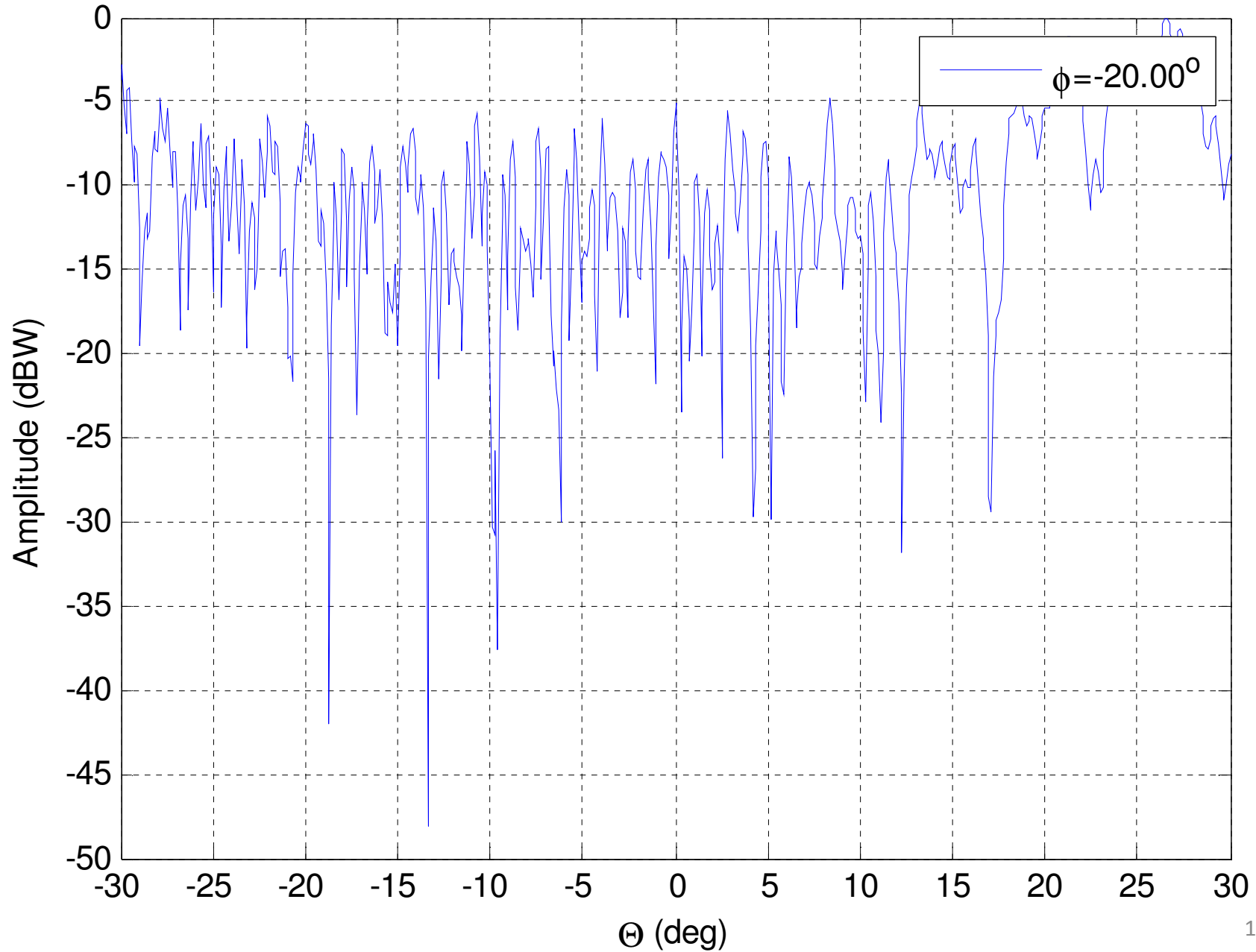
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--30.cut, Peak: 1.46 dBW, Date: 15-Sep-2011



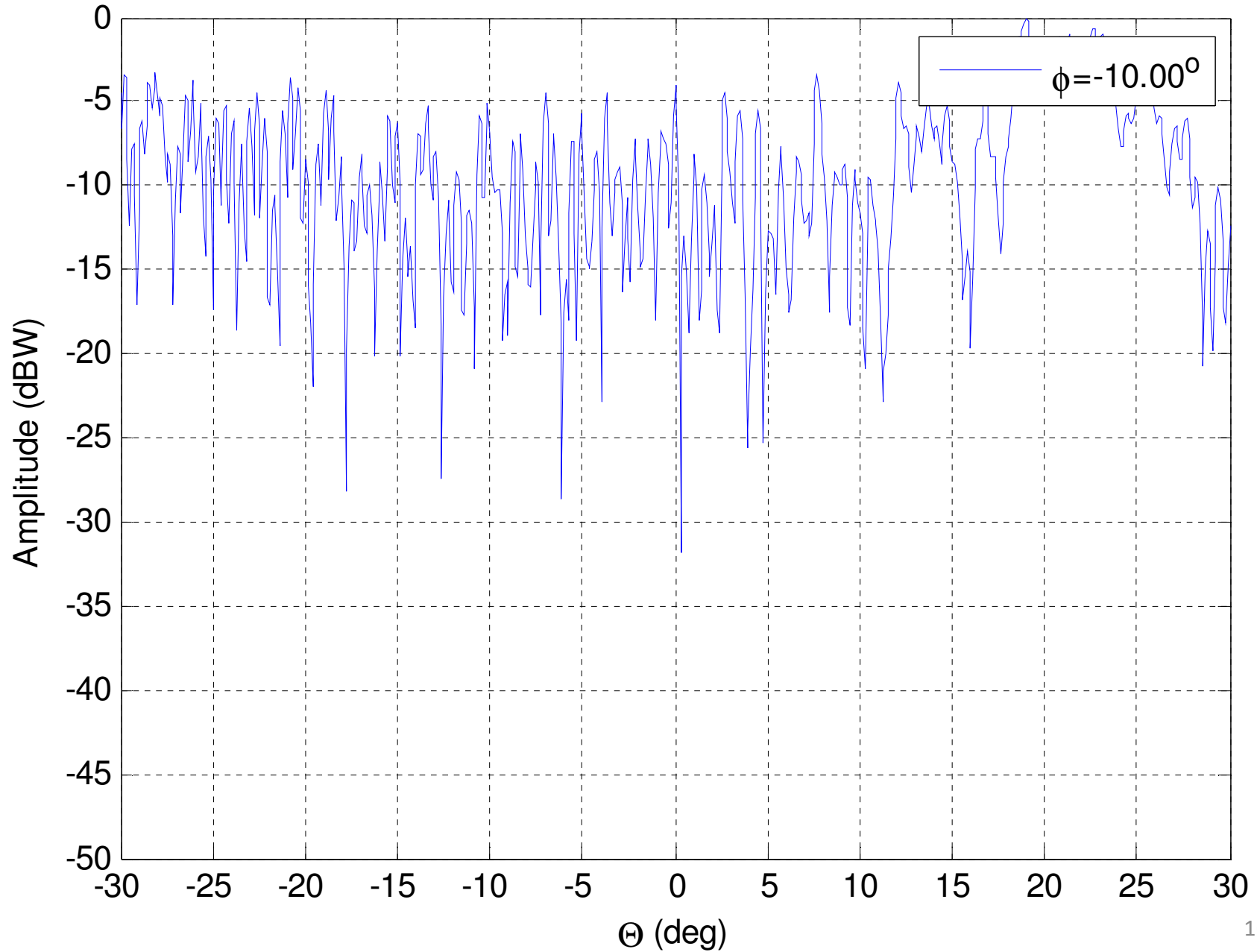
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--20.cut, Peak: 3.35 dBW, Date: 15-Sep-2011



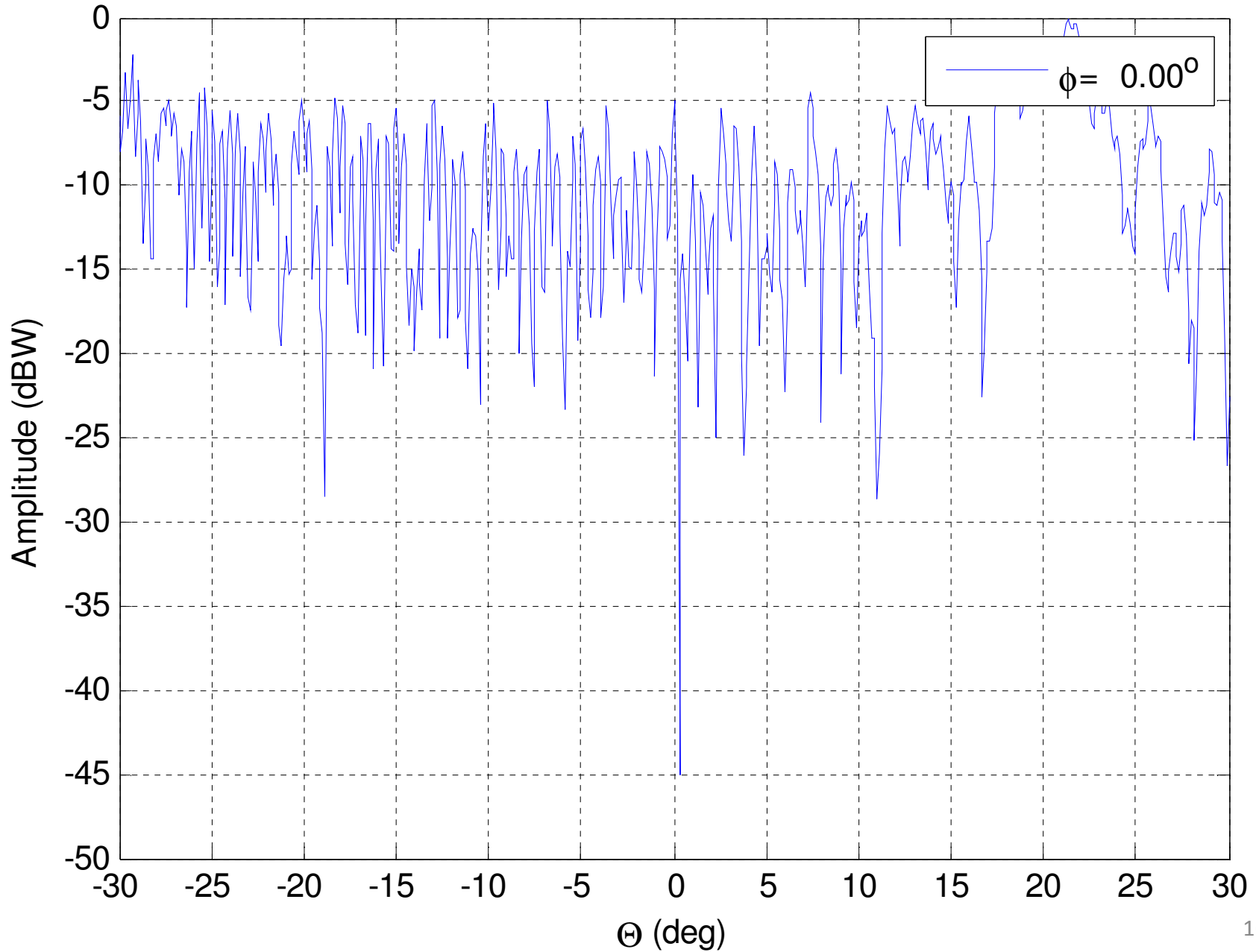
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--10.cut, Peak: 2.25 dBW, Date: 15-Sep-2011



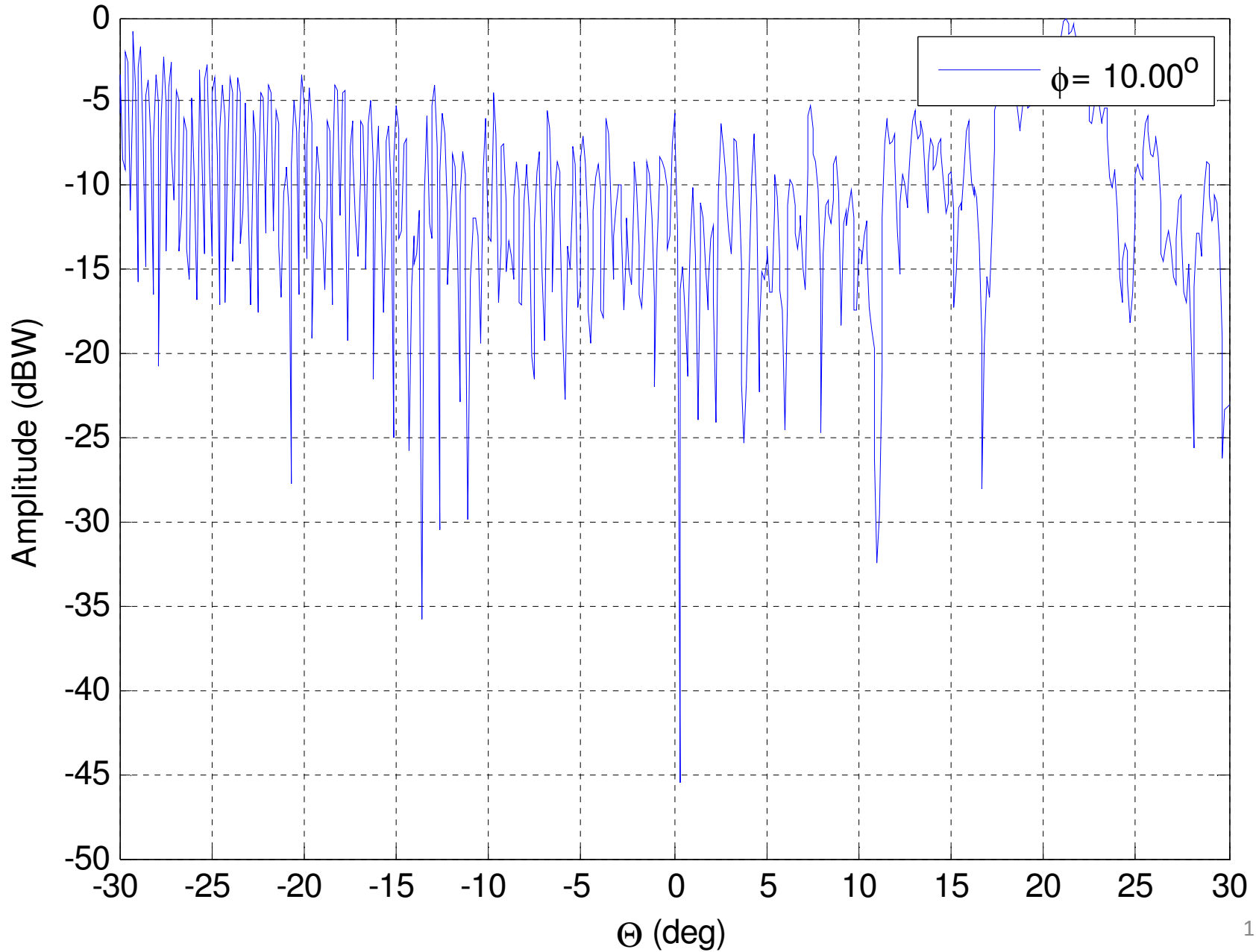
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-0.cut, Peak: 3.16 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

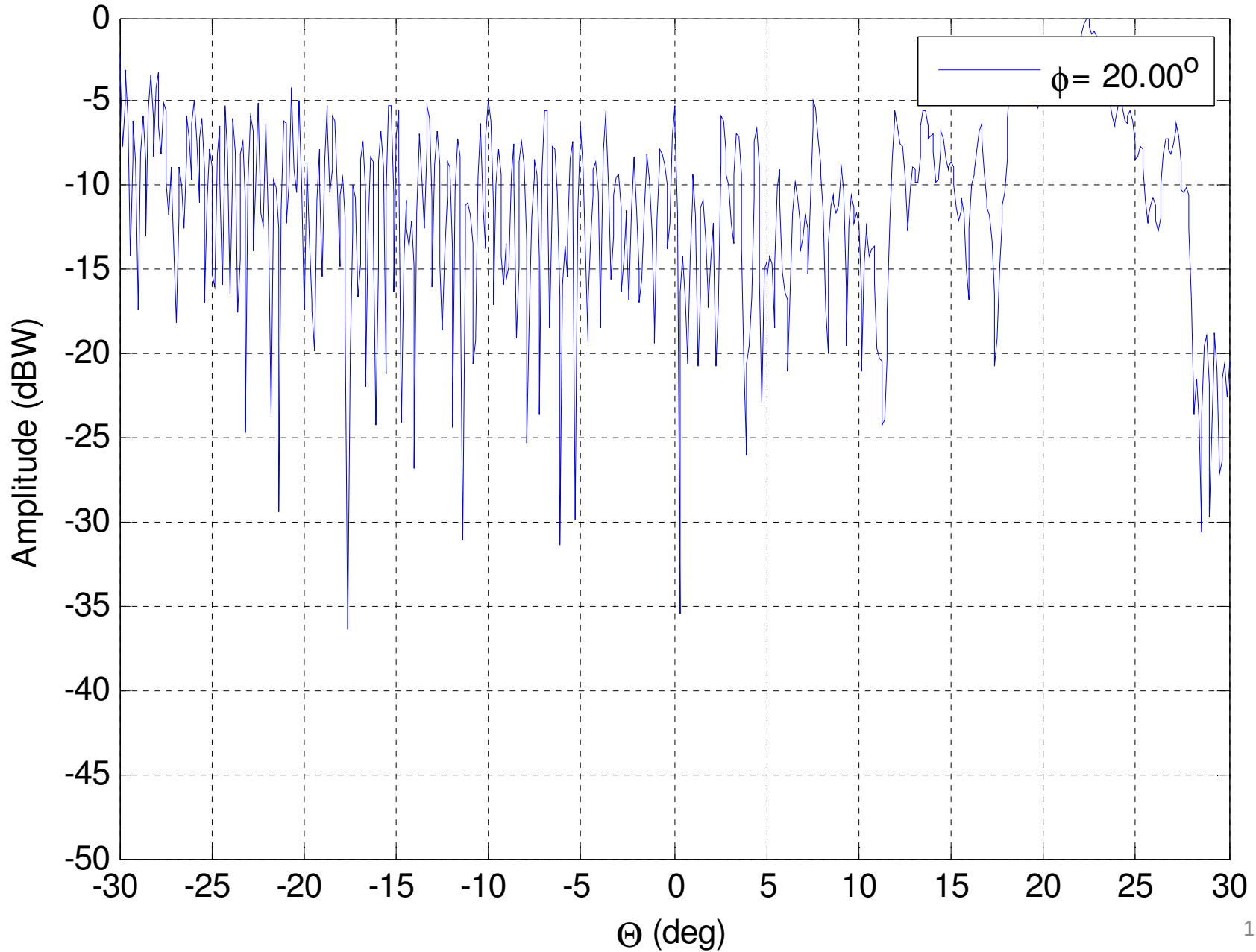
Input file: tx-17.7-lhcp-10.cut, Peak: 3.84 dBW, Date: 15-Sep-2011





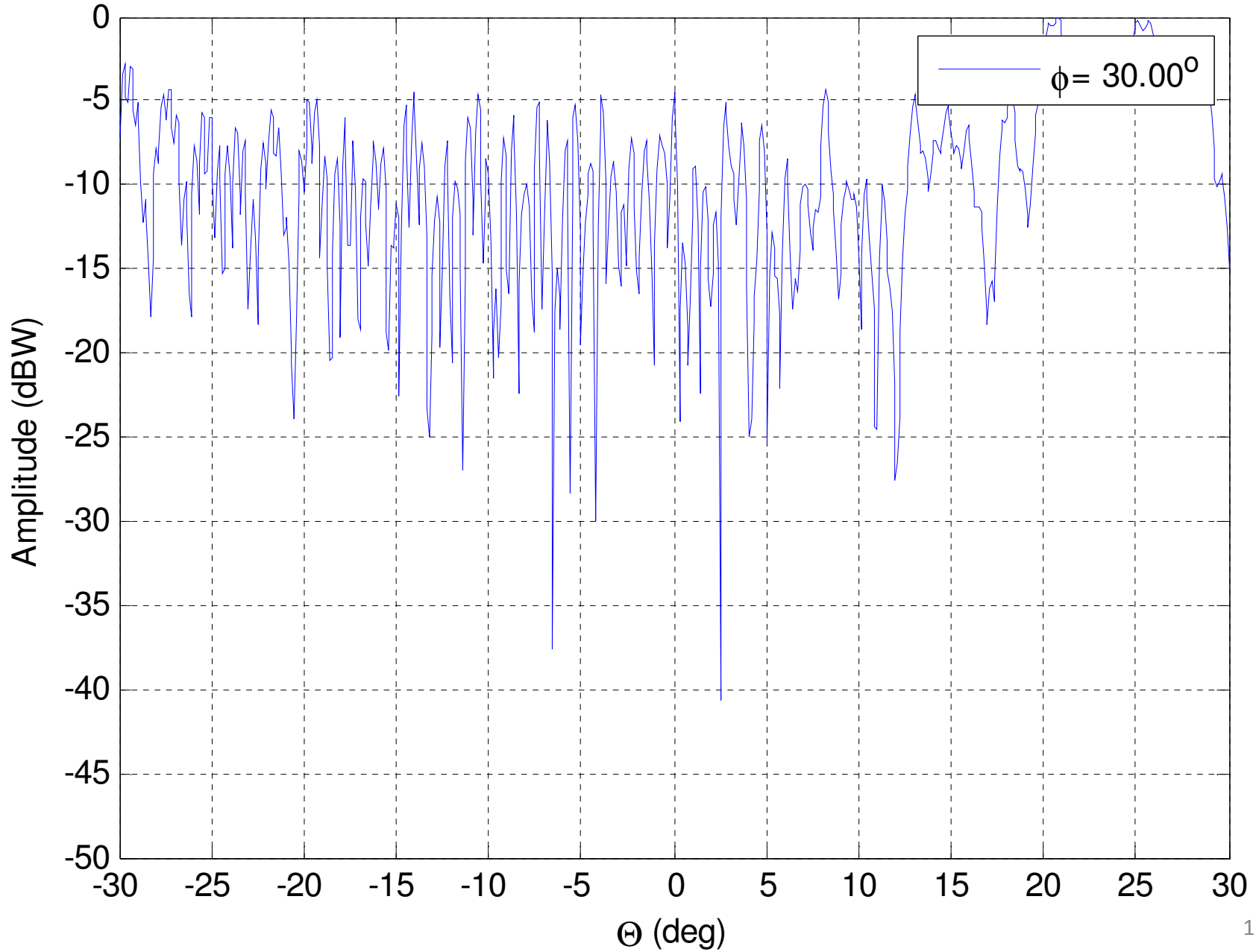
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-20.cut, Peak: 3.40 dBW, Date: 15-Sep-2011



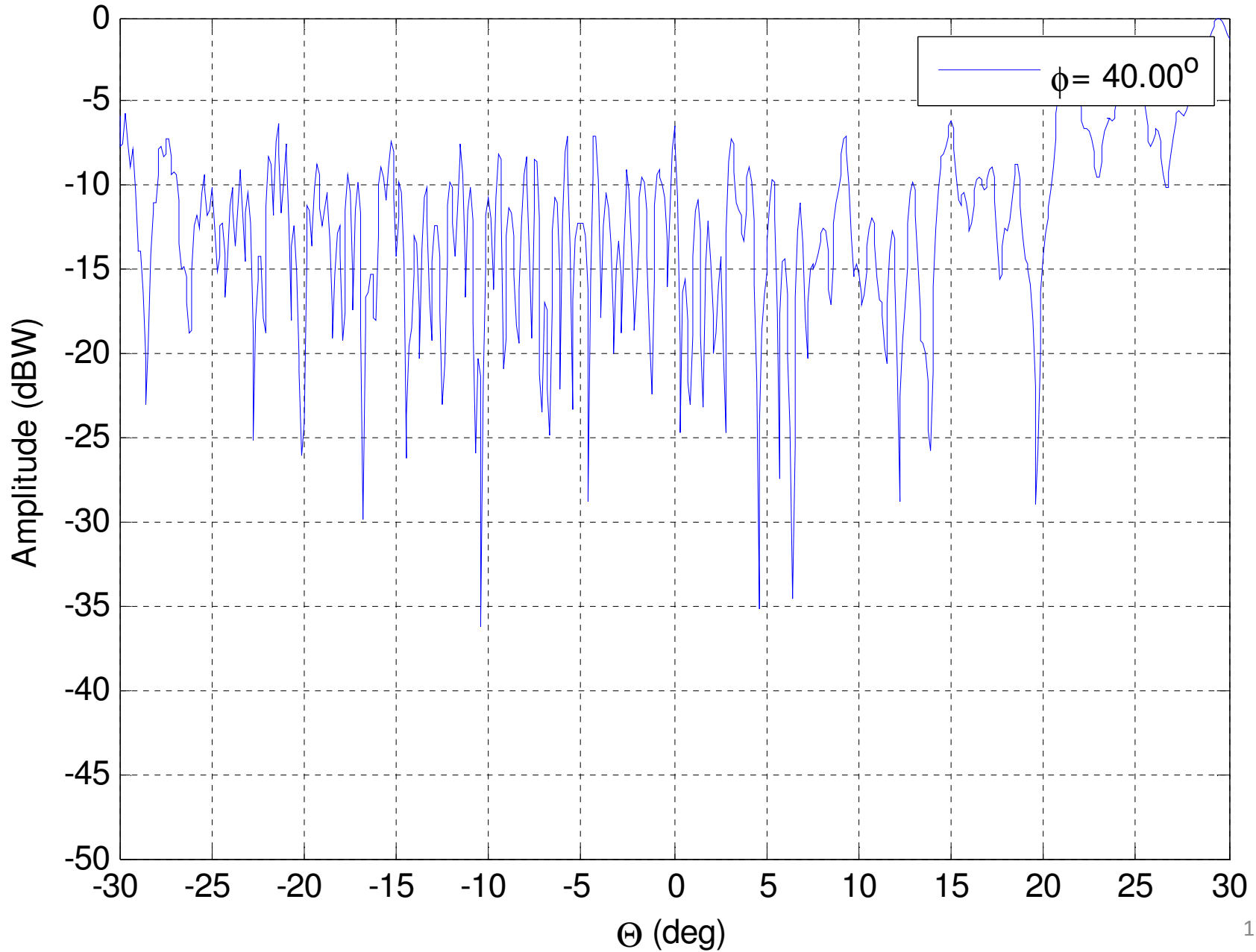
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-30.cut, Peak: 2.66 dBW, Date: 15-Sep-2011



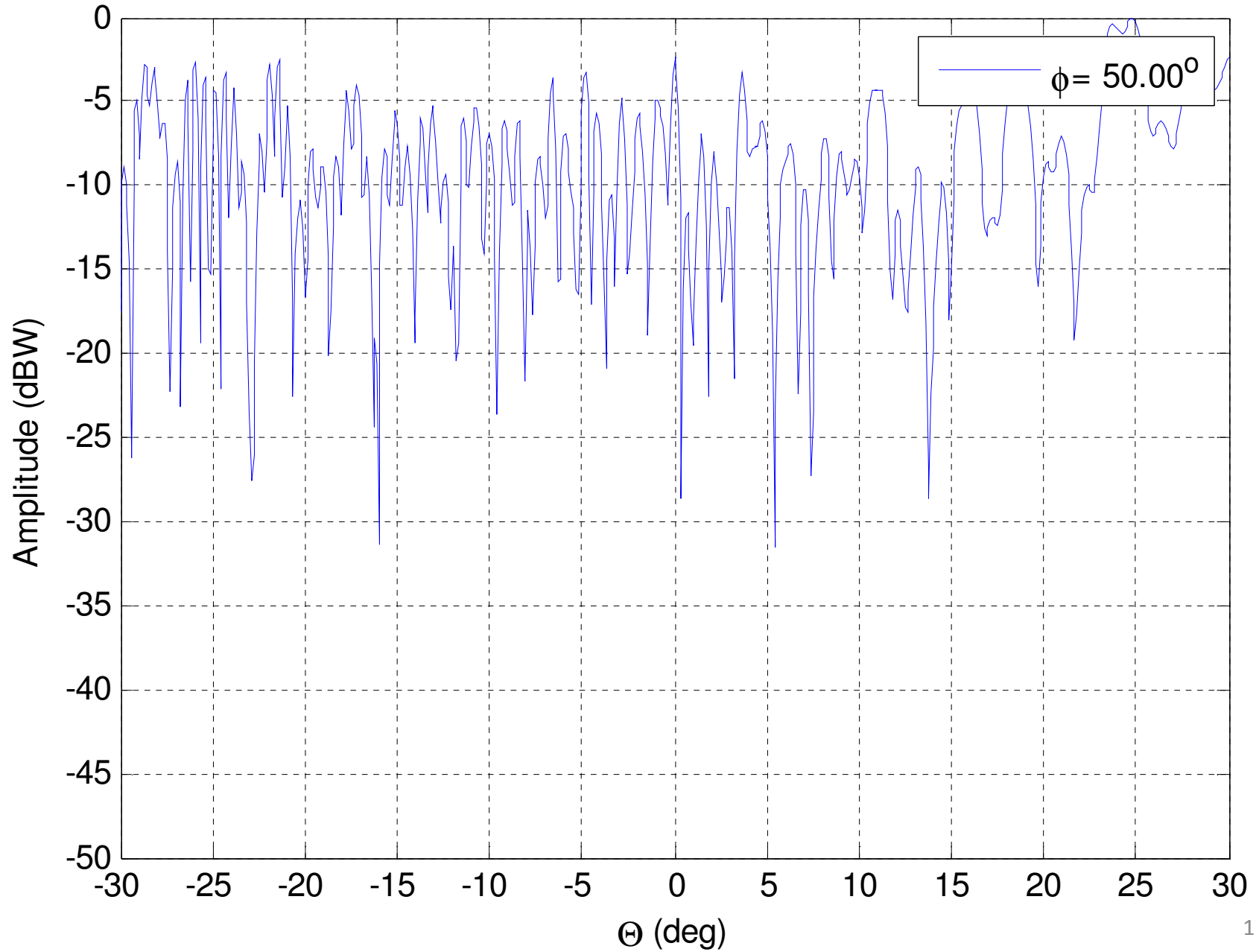
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-40.cut, Peak: 4.68 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-50.cut, Peak: 0.63 dBW, Date: 15-Sep-2011



# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-60.cut, Peak: -1.78 dBW, Date: 15-Sep-2011

