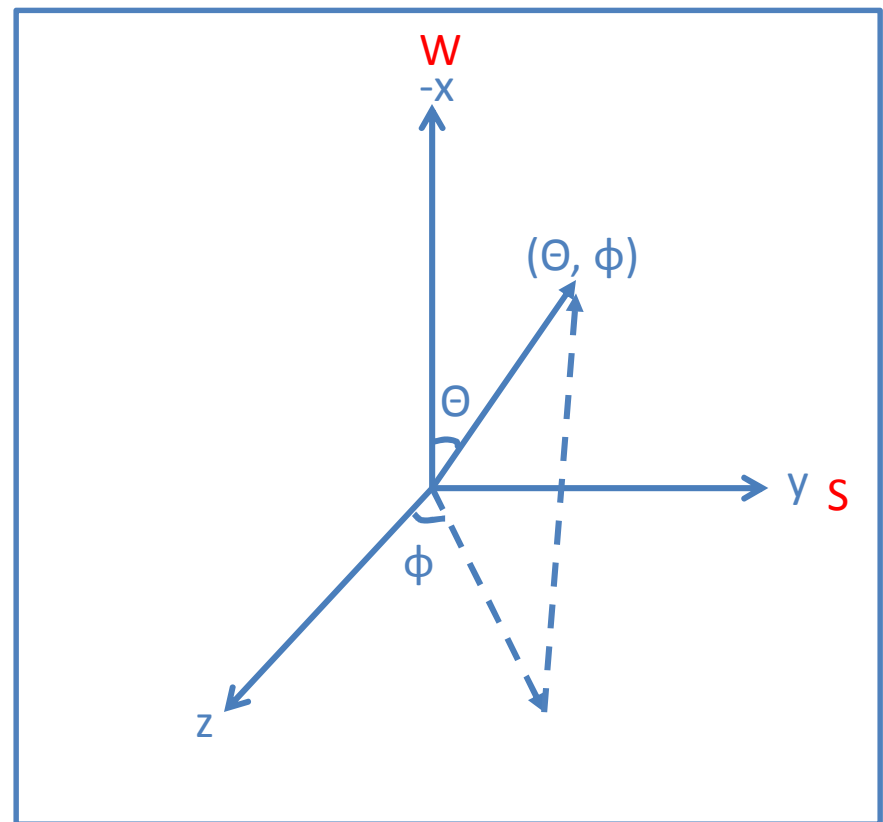
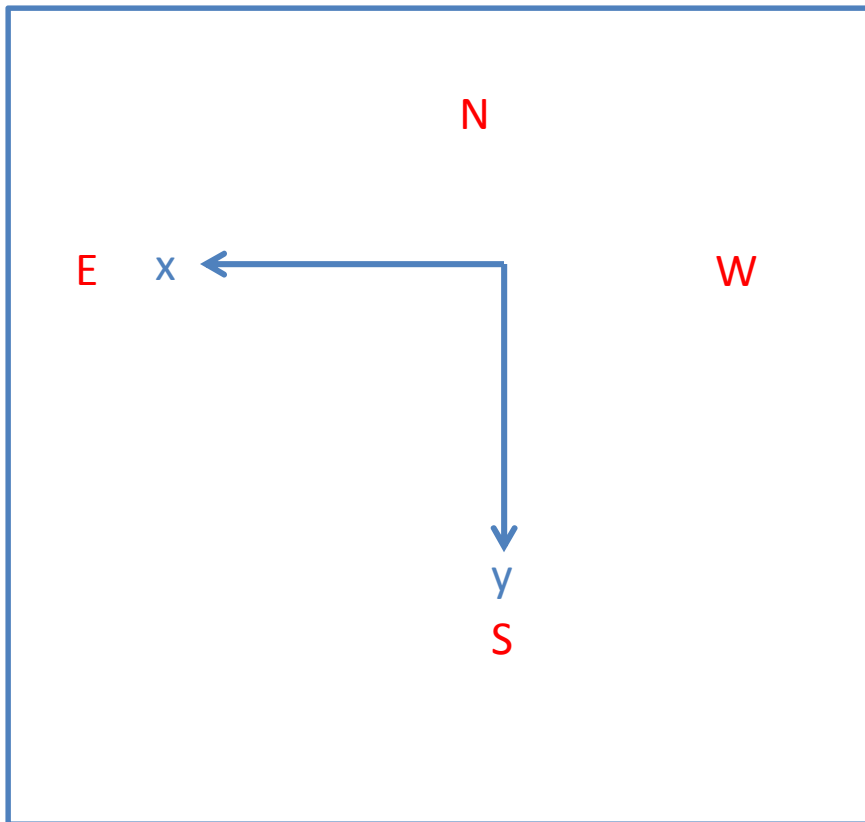


February 7, 2012

115 West Adjacent Satellite Off Axis Antenna Performance CONUS Beam

Maximum Allowable EIRP Meet -117dBW/m²/100KHz	
CONUS BEAM	
Maximum EIRP Allowed	
Satellite Location° WL	115.00
Nearest DBS Satellite Location° WL	118.80
Closest Spacing (w/Station Keeping @+/-0.05)	3.70
Spec Max flux density, -117 dBW/m ² /100 kHz	-117.0
Desired channel bandwidth, MHz	24.0
Symbol rate band width modification factor	1
Effective channel bandwidth, MHz	24.0
Effective bandwidth, dB-100 kHz	23.8
Flux density allowed per channel, dBW/m ²	-93.2
R, radial distance to GEO, km	42164
Angle of separation between satellites, deg	3.7
Range between satellites, km	2722.8
Spreading factor, dB/ m ²	-139.7
Atmospheric loss, dB	0
Max Gain @ 3.7 degs separation, dB	23.4
Max satellite EIRP allowed, dBW	46.4

Coordinate System



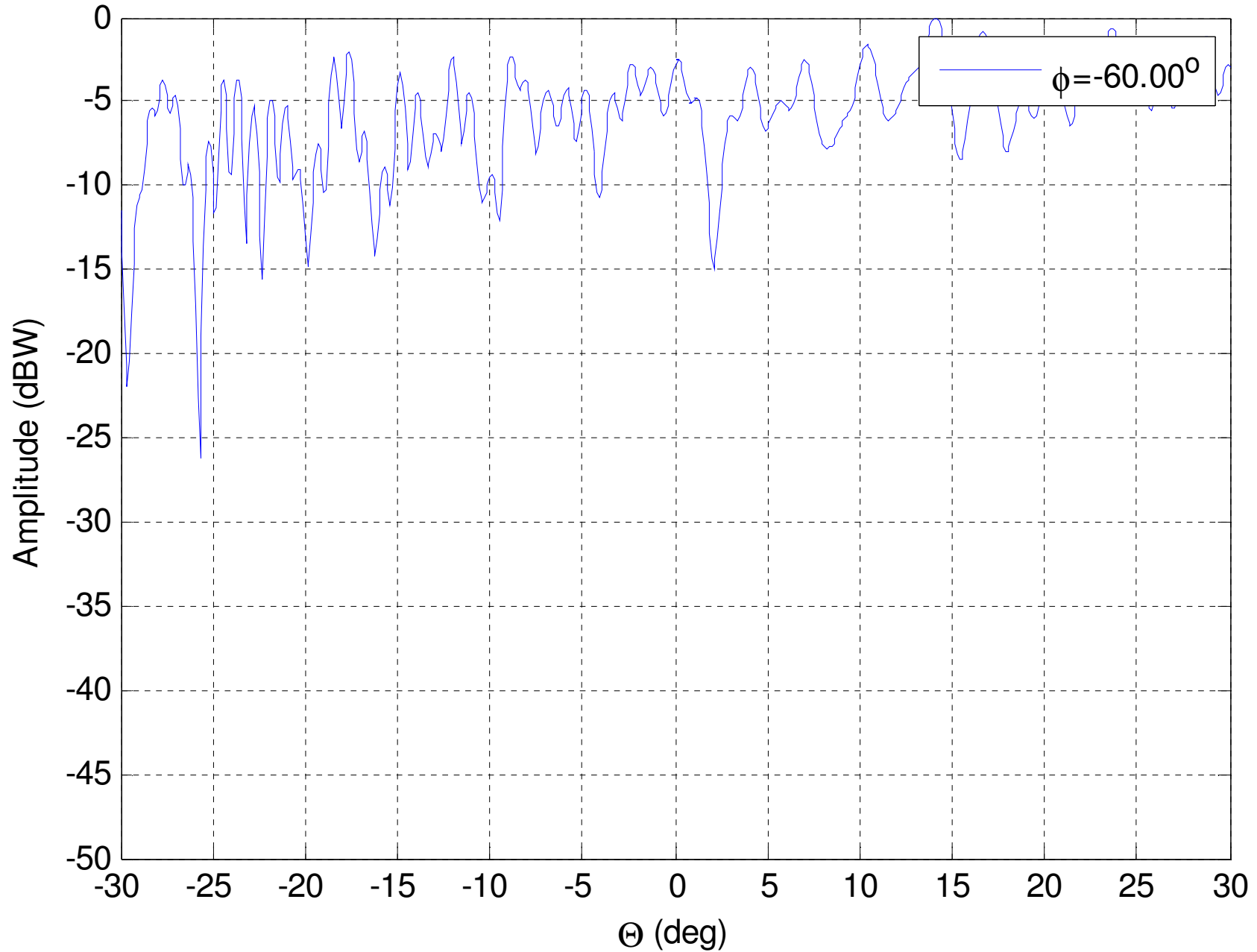
CONUS Beam, -X Axis Plots

- Both polarizations; RHCP, LHCP
- $-30^\circ < \Theta < 30^\circ$ ($\Theta=0$: -X-axis)
- $-60^\circ < \Phi < 60^\circ$
- Freq = 17.305, 17.5, and 17.695 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 46.4 dBW EIRP shown on the chart on page 2

RHCP at 17.305 GHz

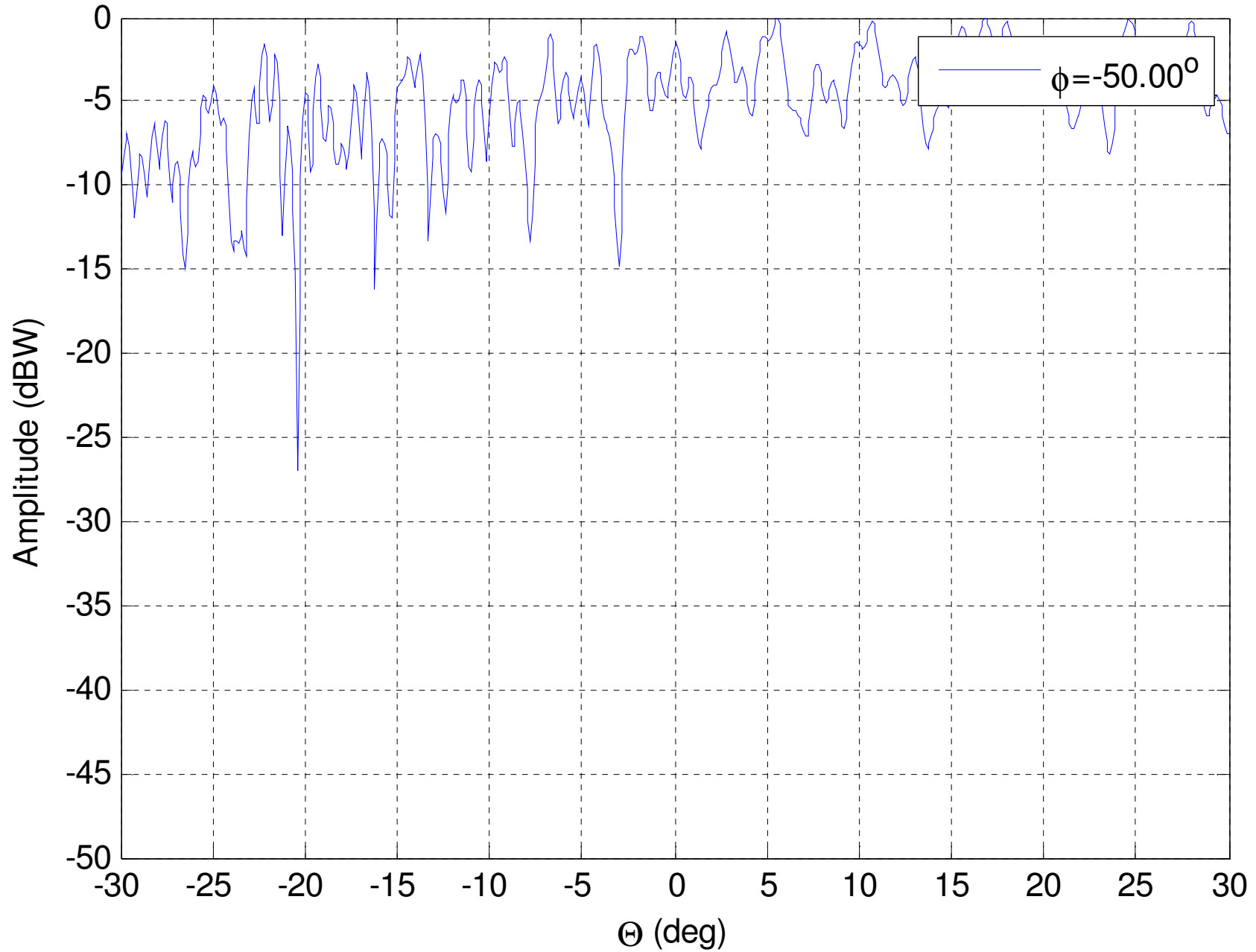
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--60.cut, Peak: -1.83 dBW, Date: 14-Oct-2011



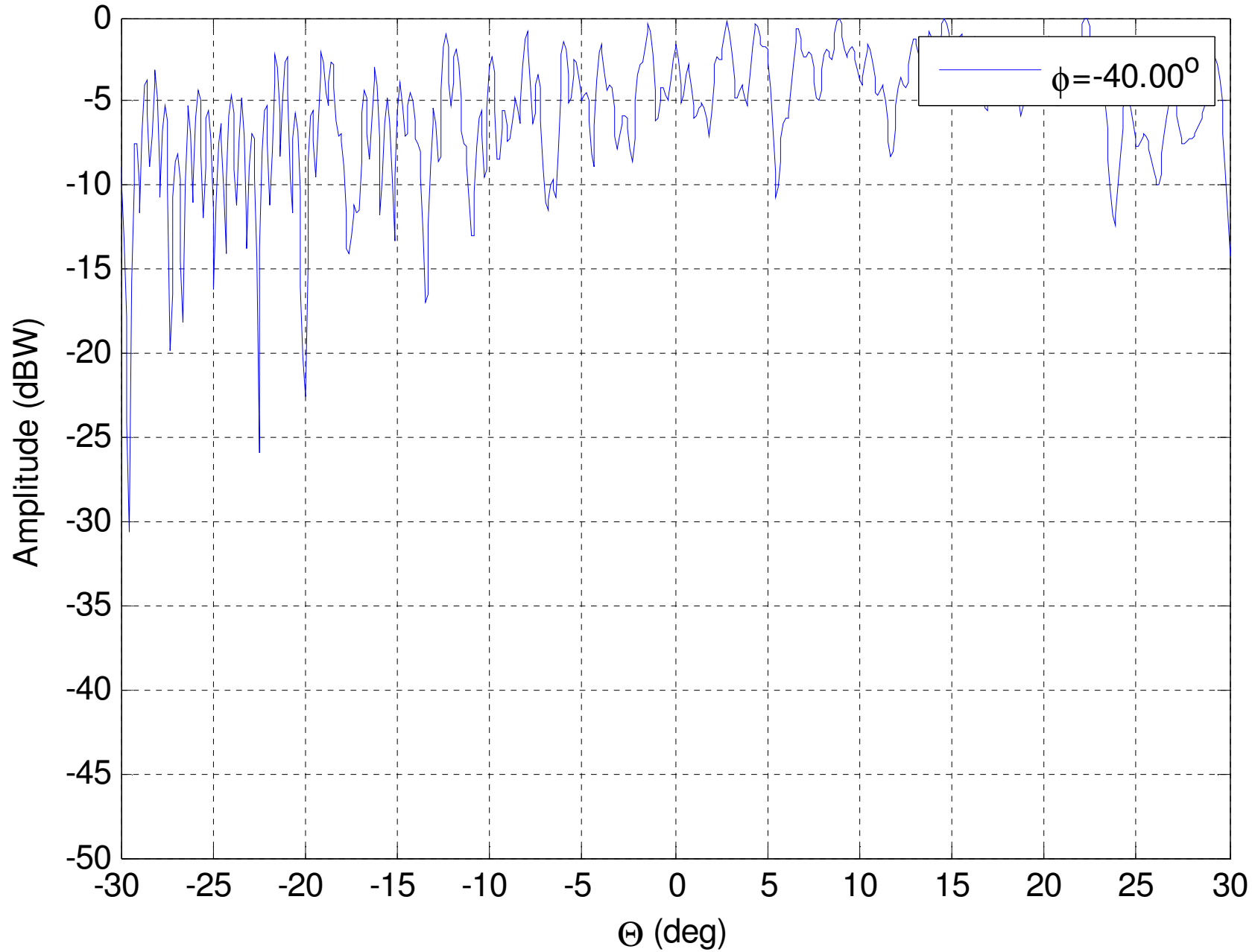
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--50.cut, Peak: -2.89 dBW, Date: 14-Oct-2011



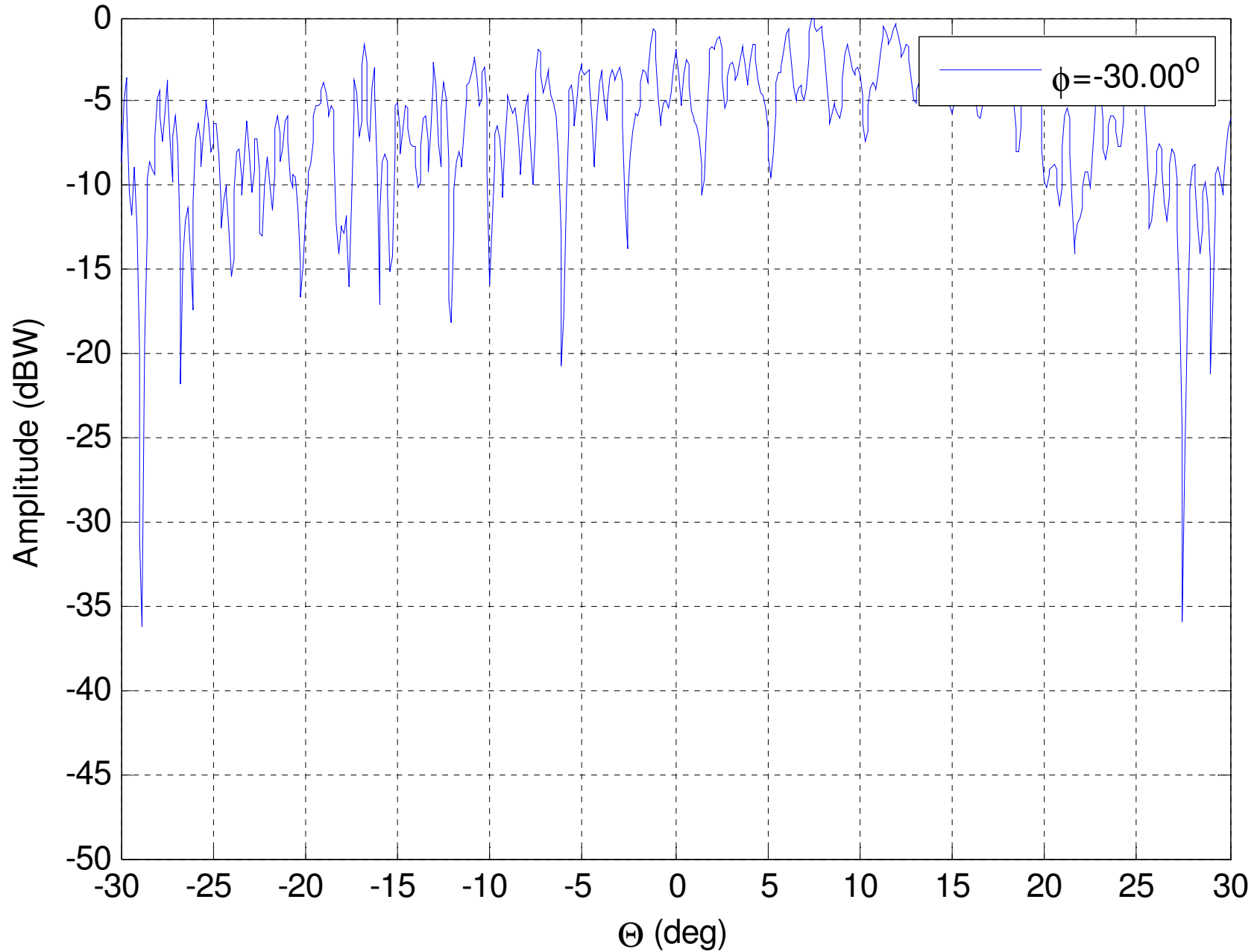
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--40.cut, Peak: -2.83 dBW, Date: 14-Oct-2011



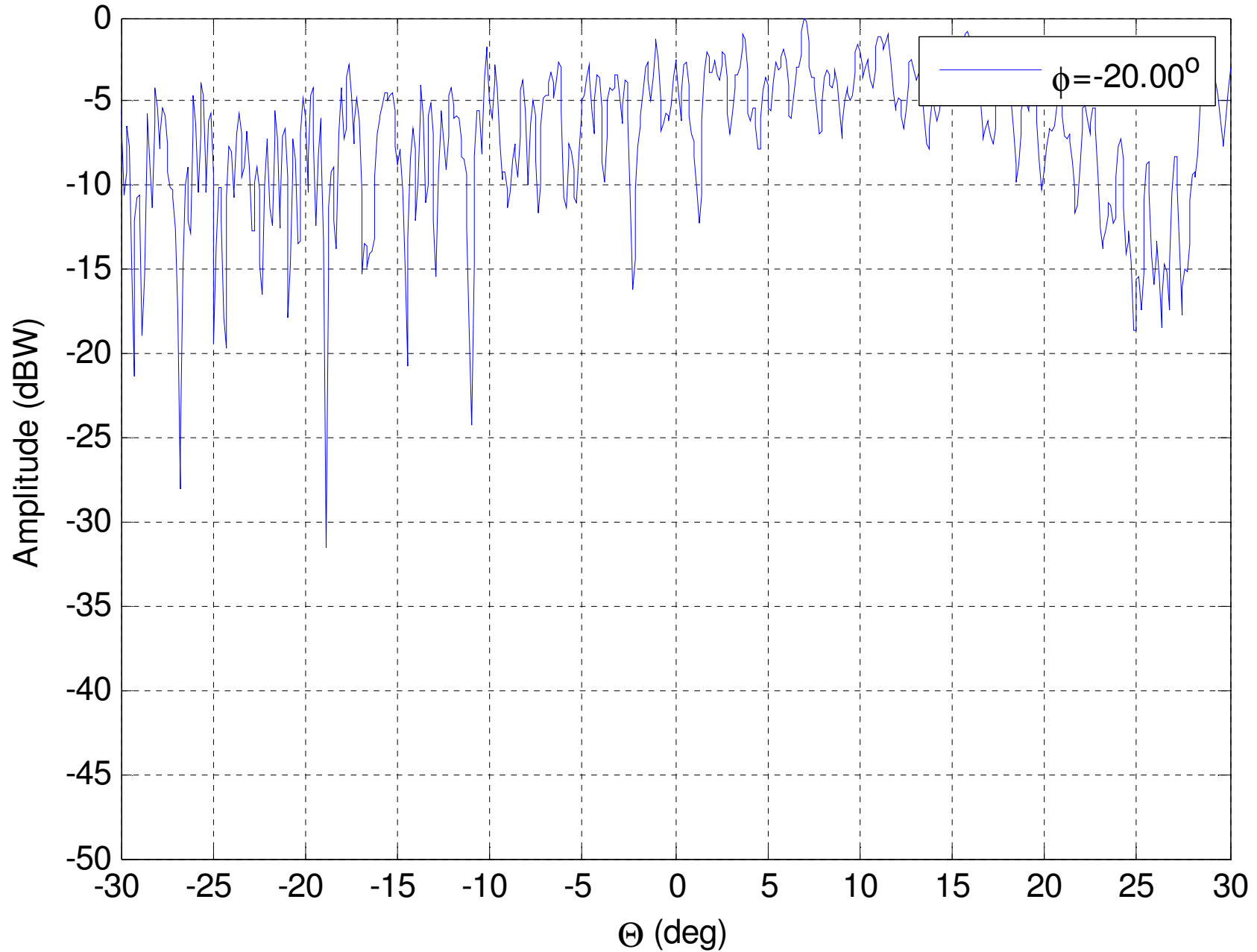
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--30.cut, Peak: -2.57 dBW, Date: 14-Oct-2011



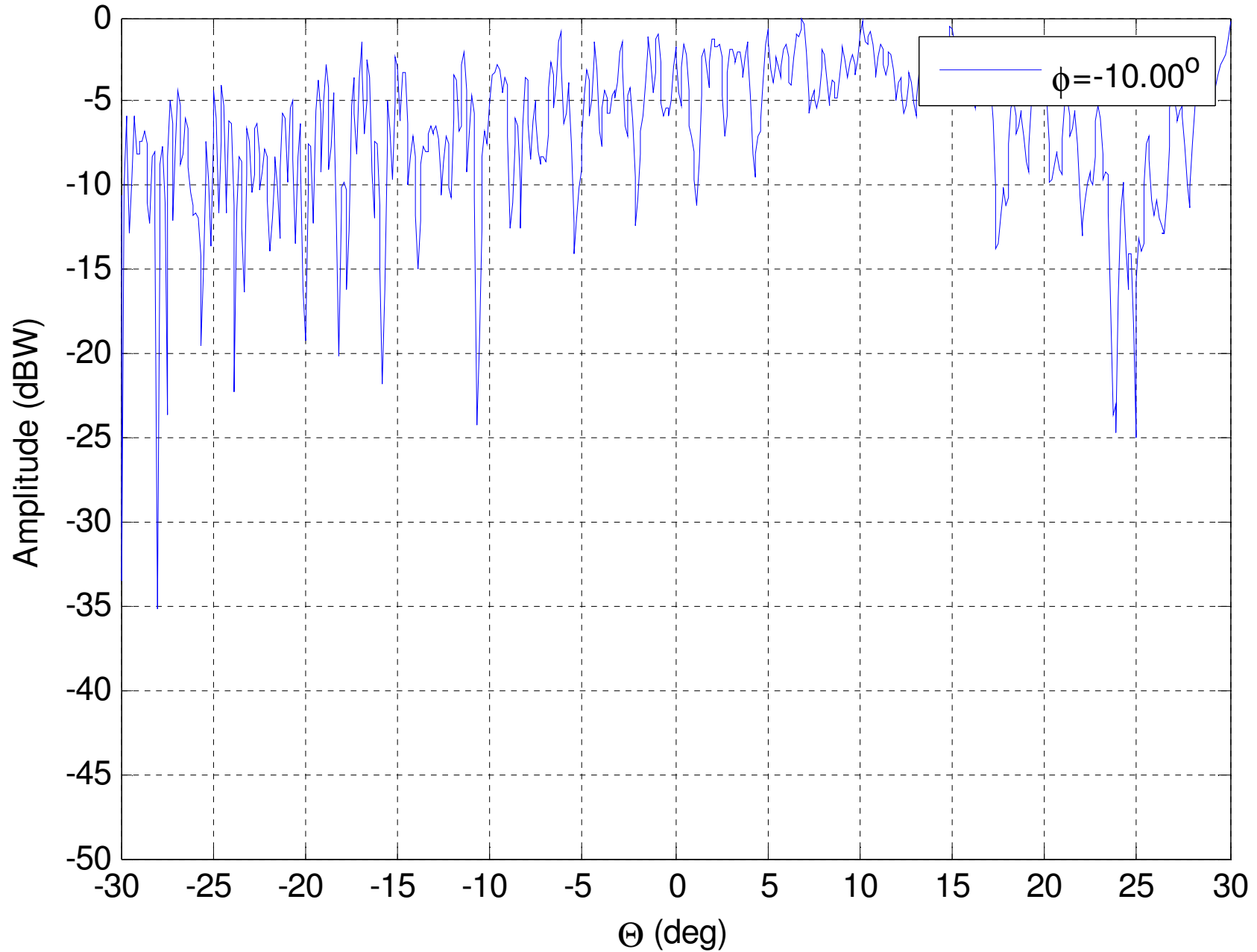
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--20.cut, Peak: -2.08 dBW, Date: 14-Oct-2011



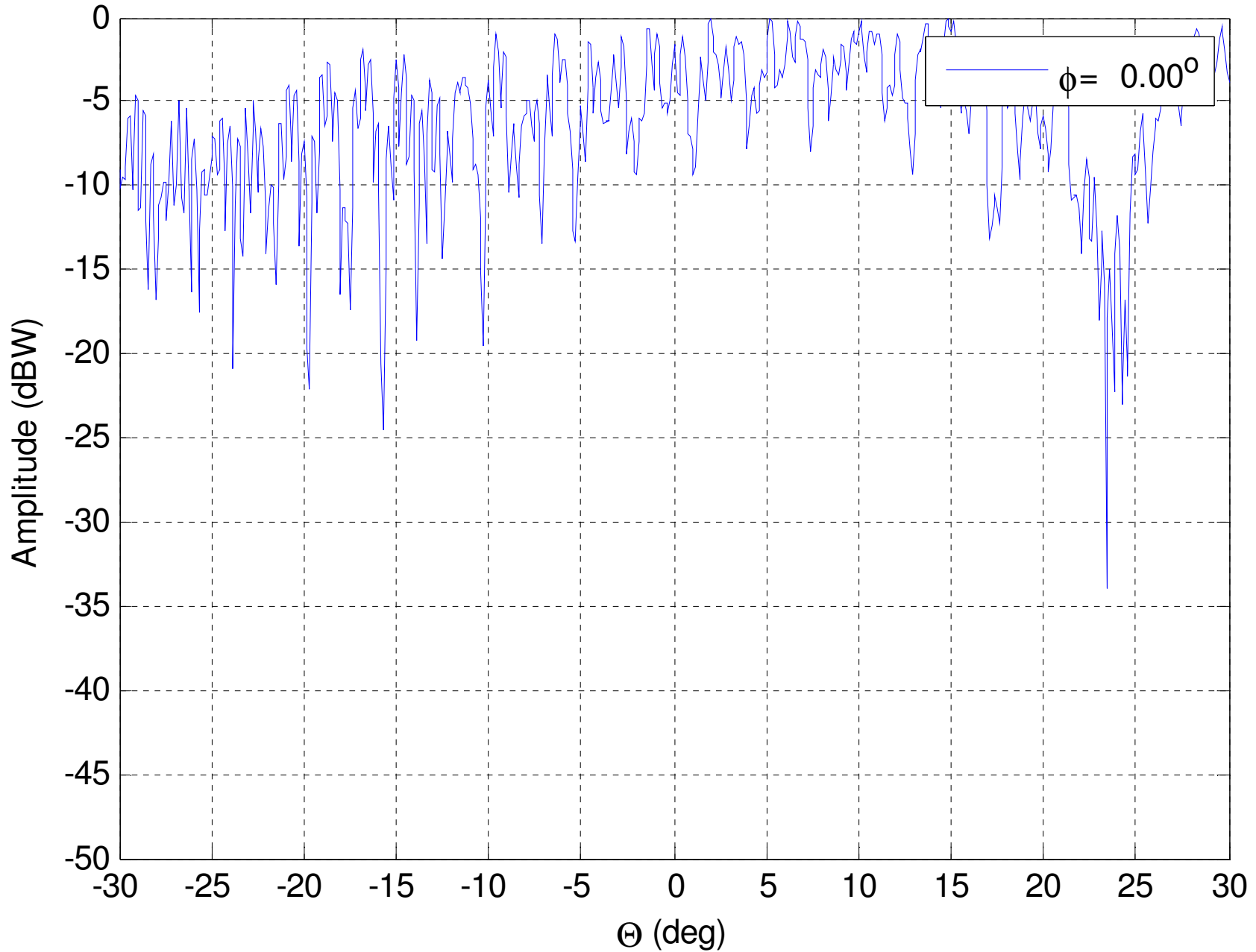
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--10.cut, Peak: -2.71 dBW, Date: 14-Oct-2011



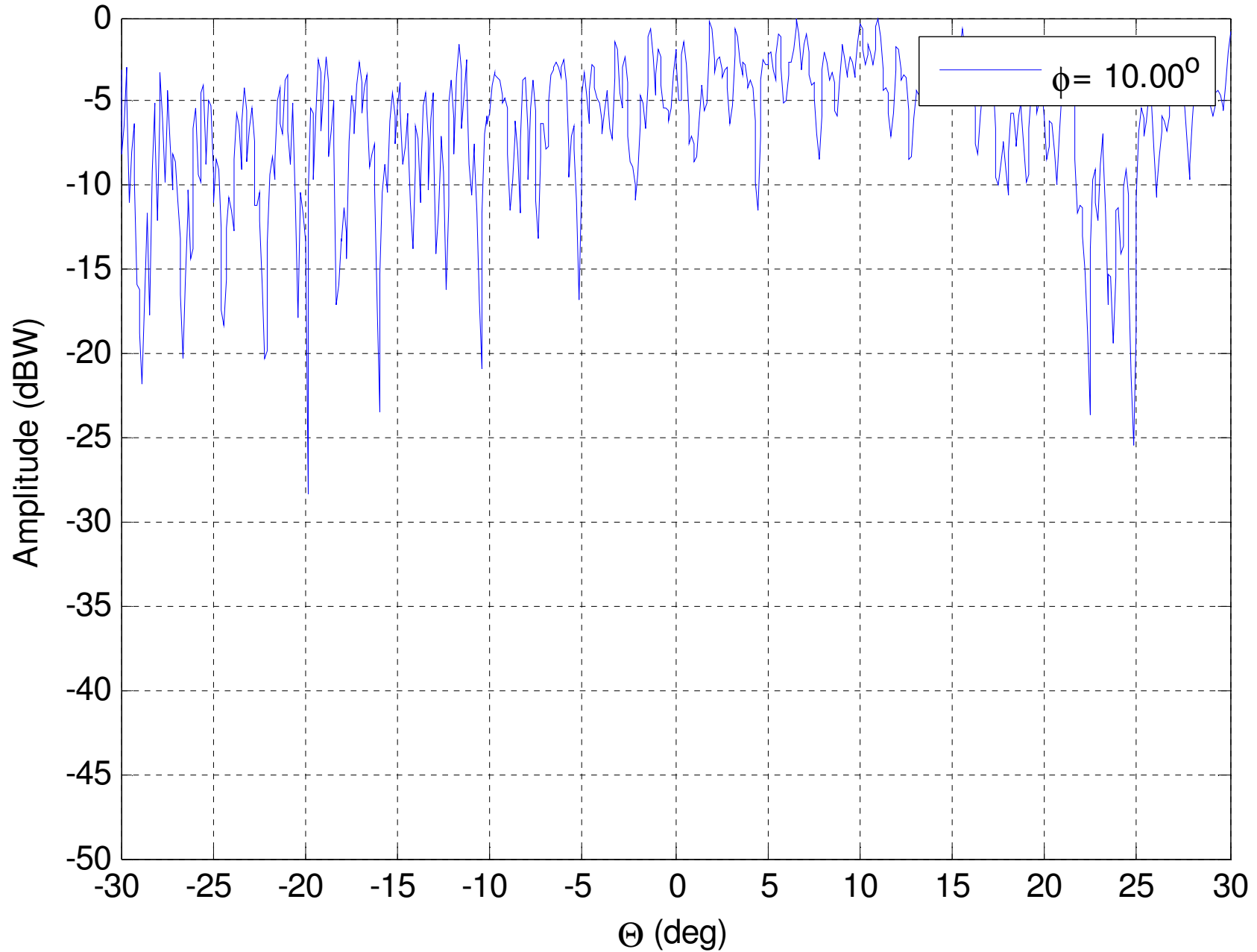
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-0.cut, Peak: -2.98 dBW, Date: 14-Oct-2011



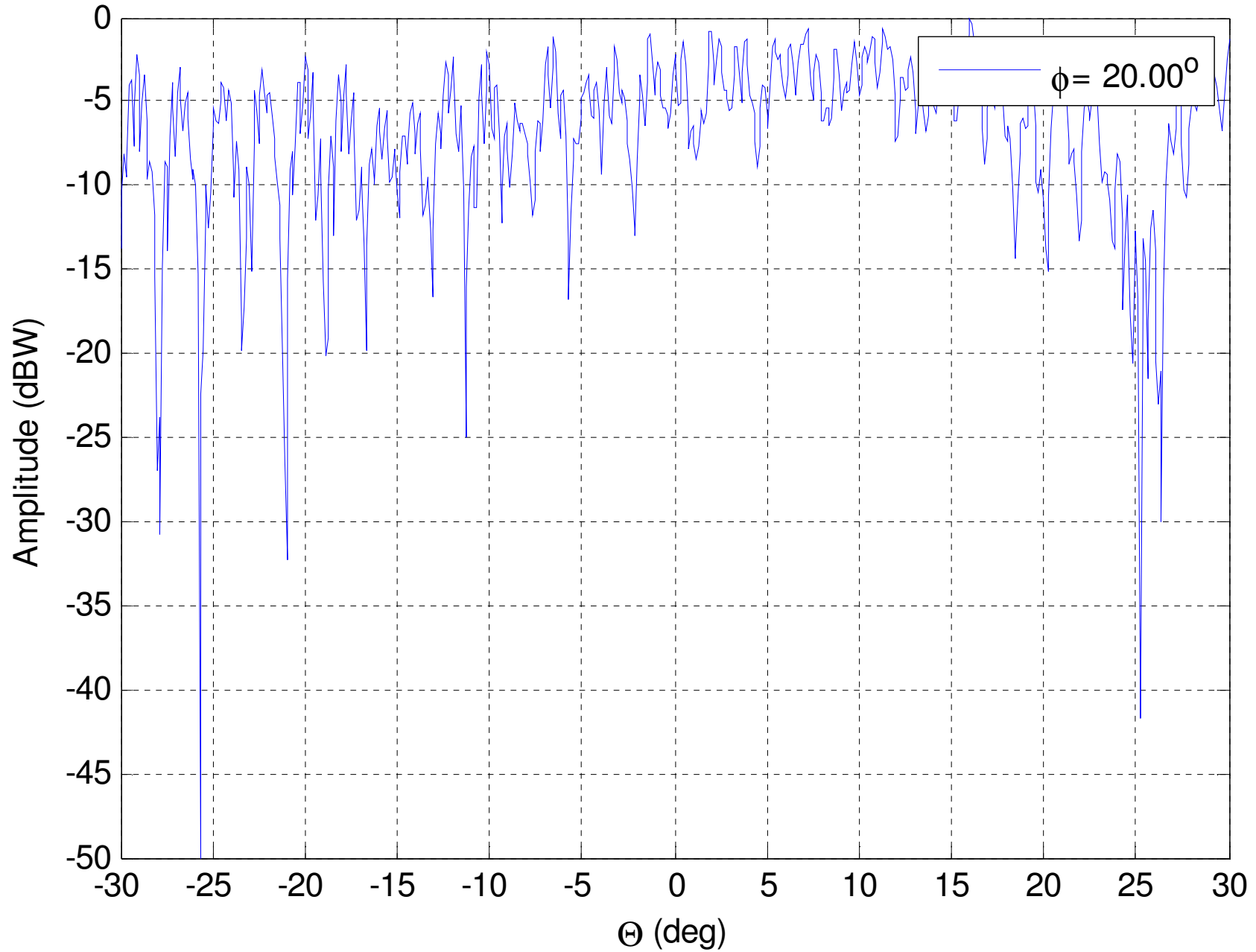
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-10.cut, Peak: -2.61 dBW, Date: 14-Oct-2011



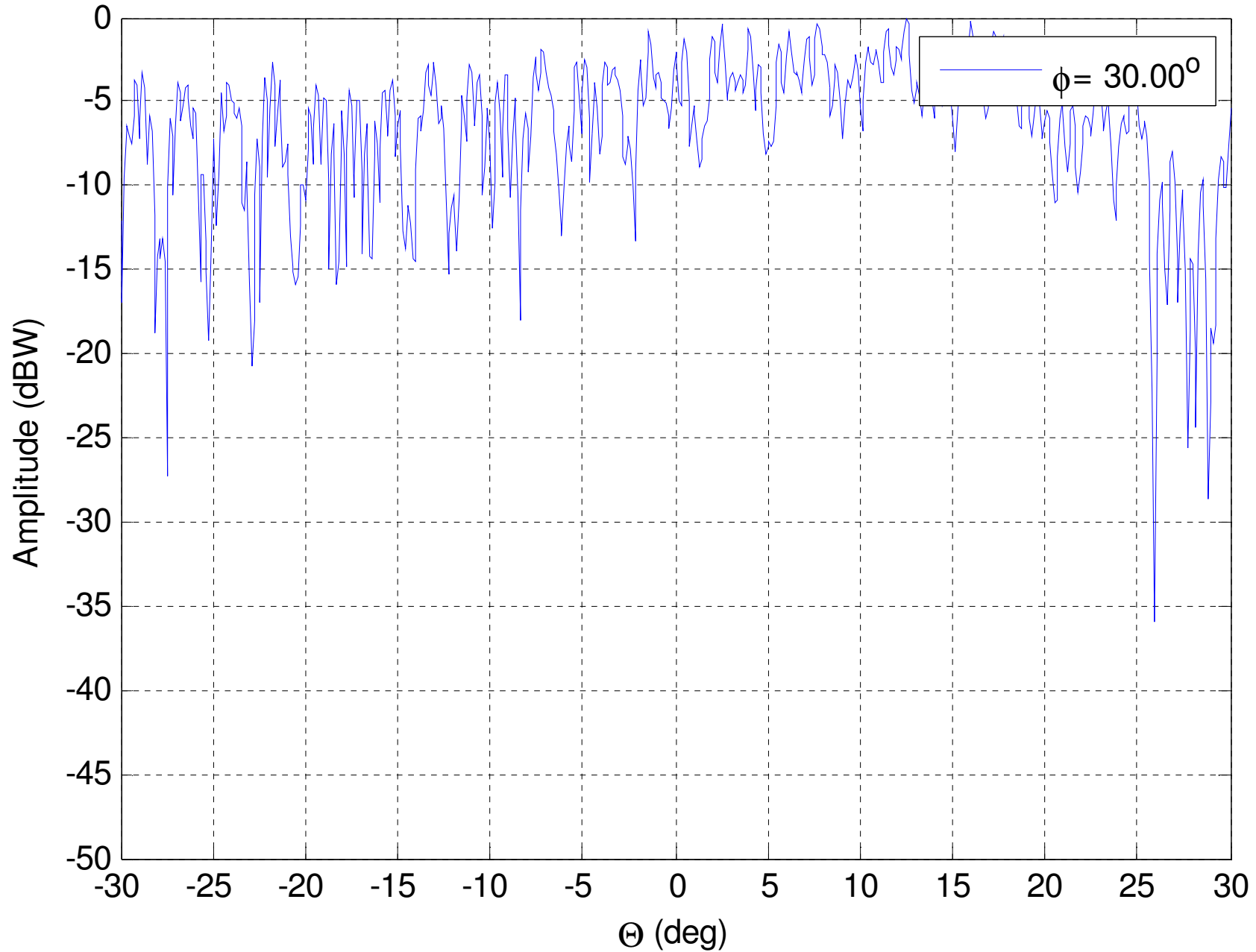
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-20.cut, Peak: -2.33 dBW, Date: 14-Oct-2011



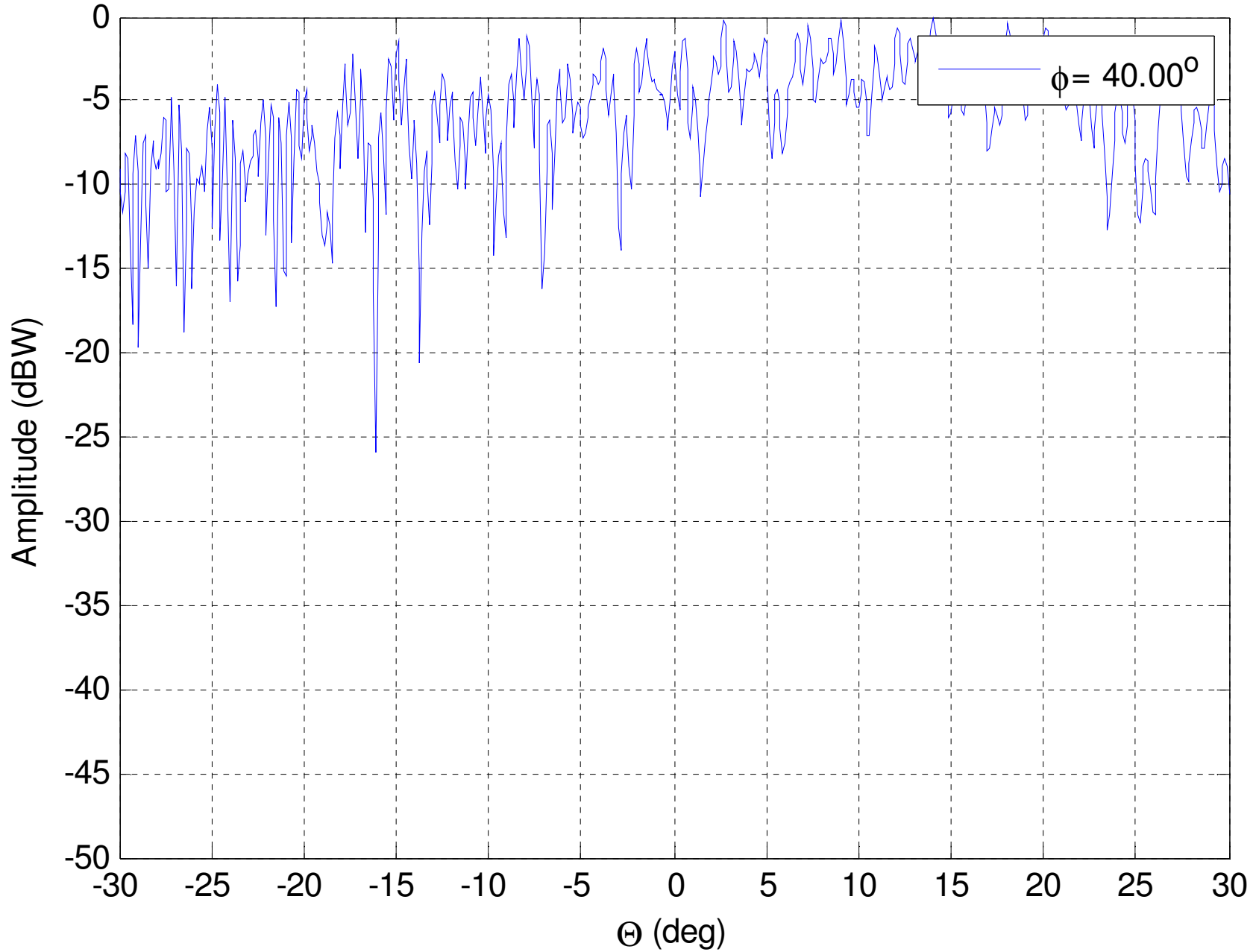
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-30.cut, Peak: -2.46 dBW, Date: 14-Oct-2011



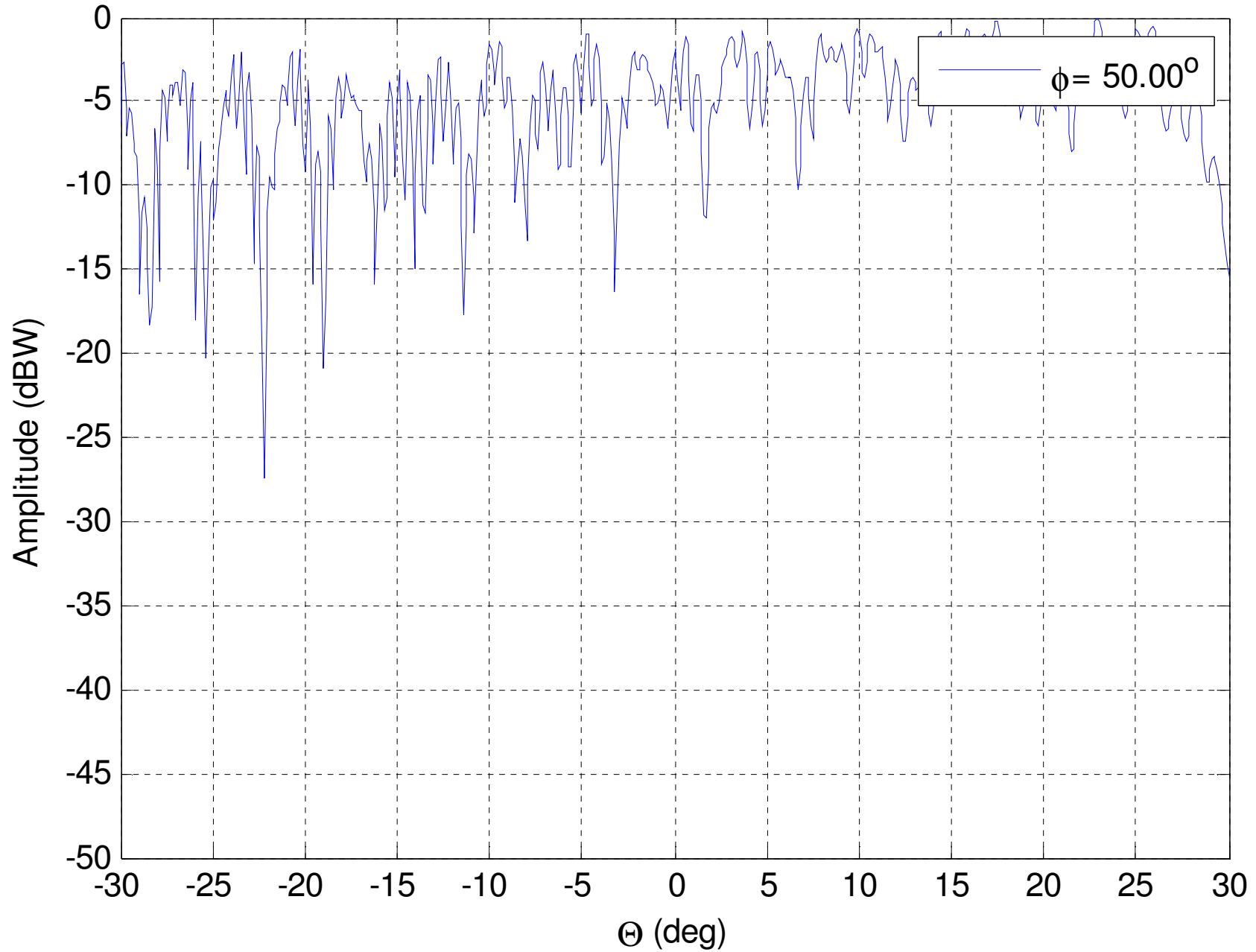
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-40.cut, Peak: -2.51 dBW, Date: 14-Oct-2011



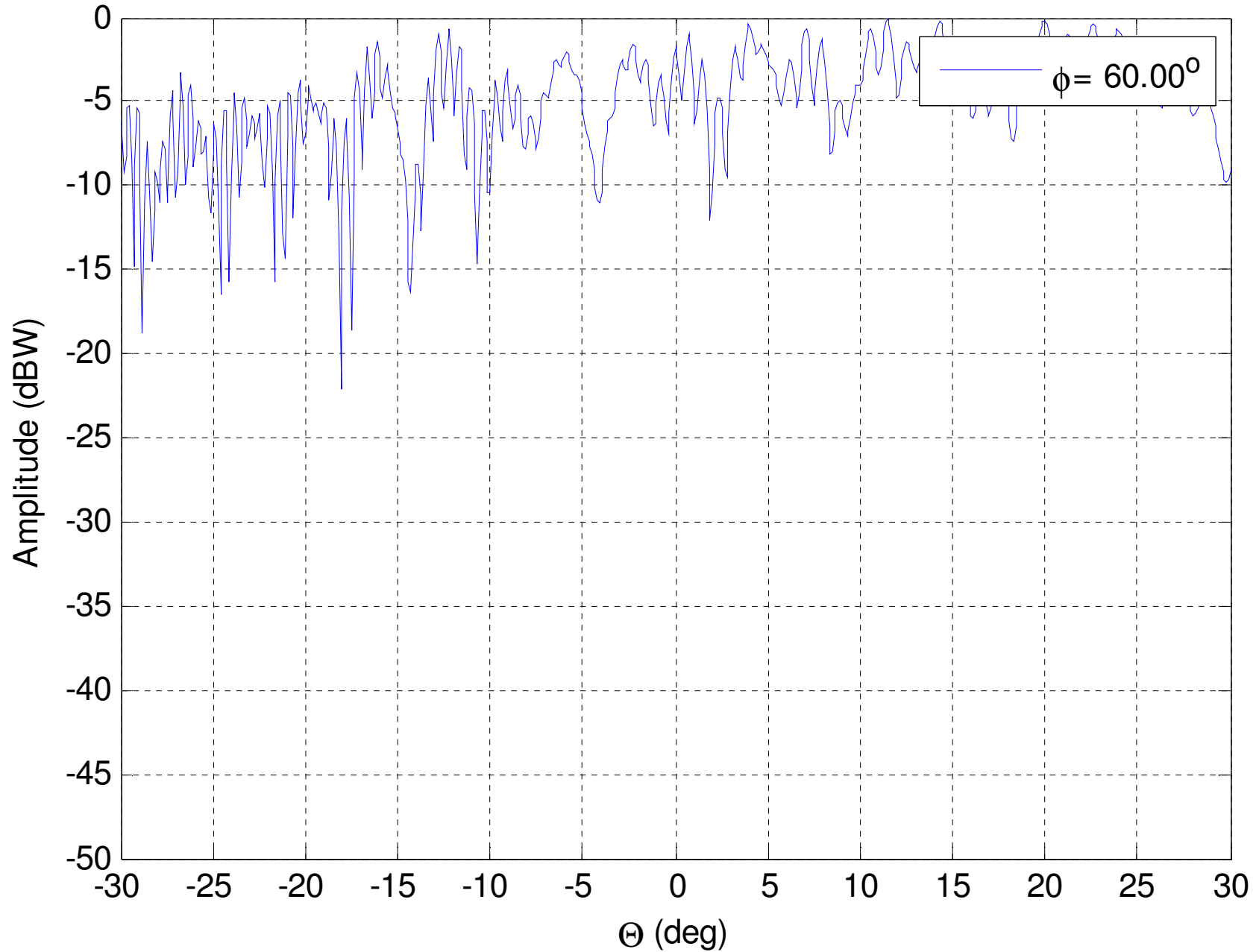
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-50.cut, Peak: -2.59 dBW, Date: 14-Oct-2011



Normalized pattern cuts - farfield

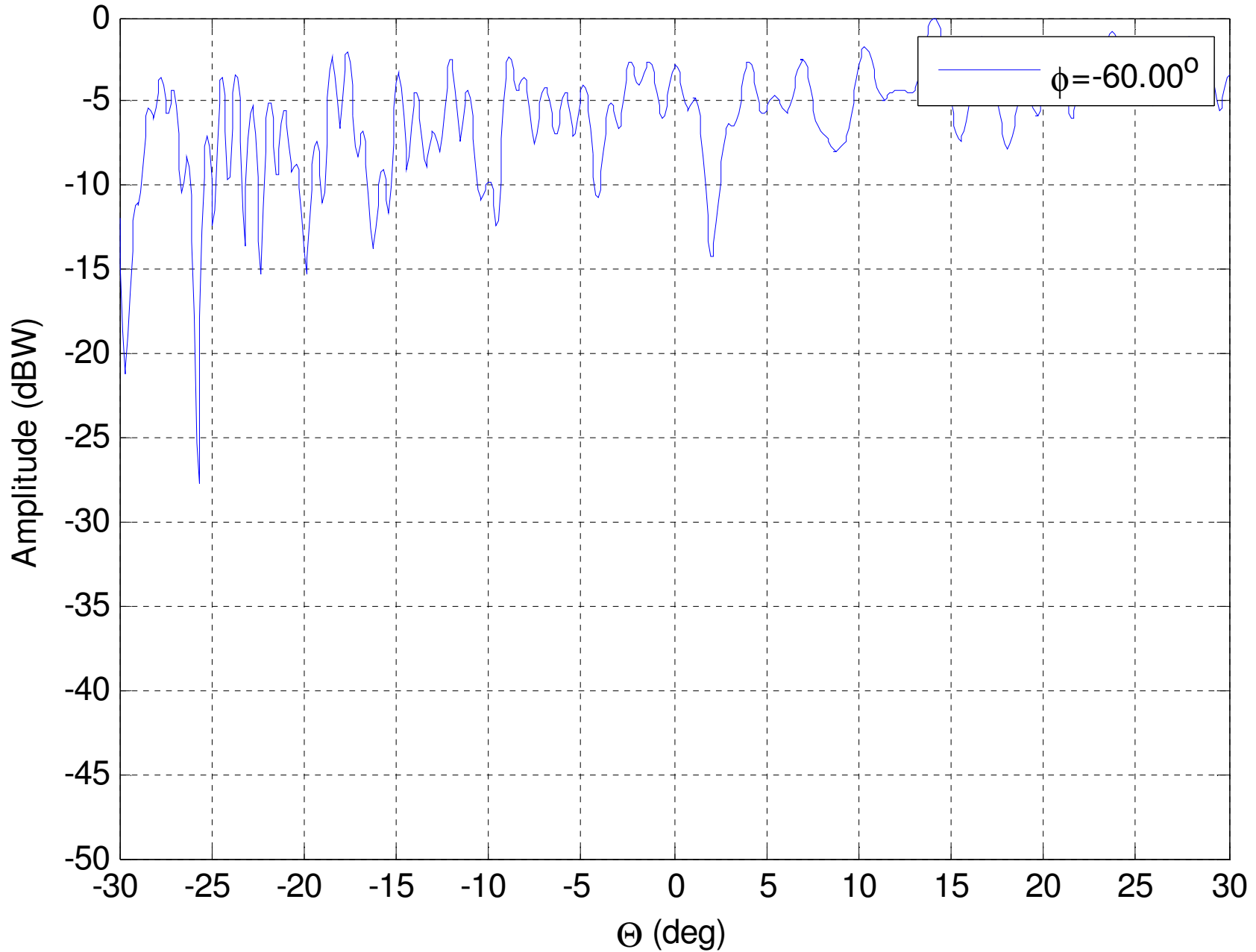
Input file: tx-17.3-rhcp-60.cut, Peak: -2.75 dBW, Date: 14-Oct-2011



LHCP at 17.305 GHz

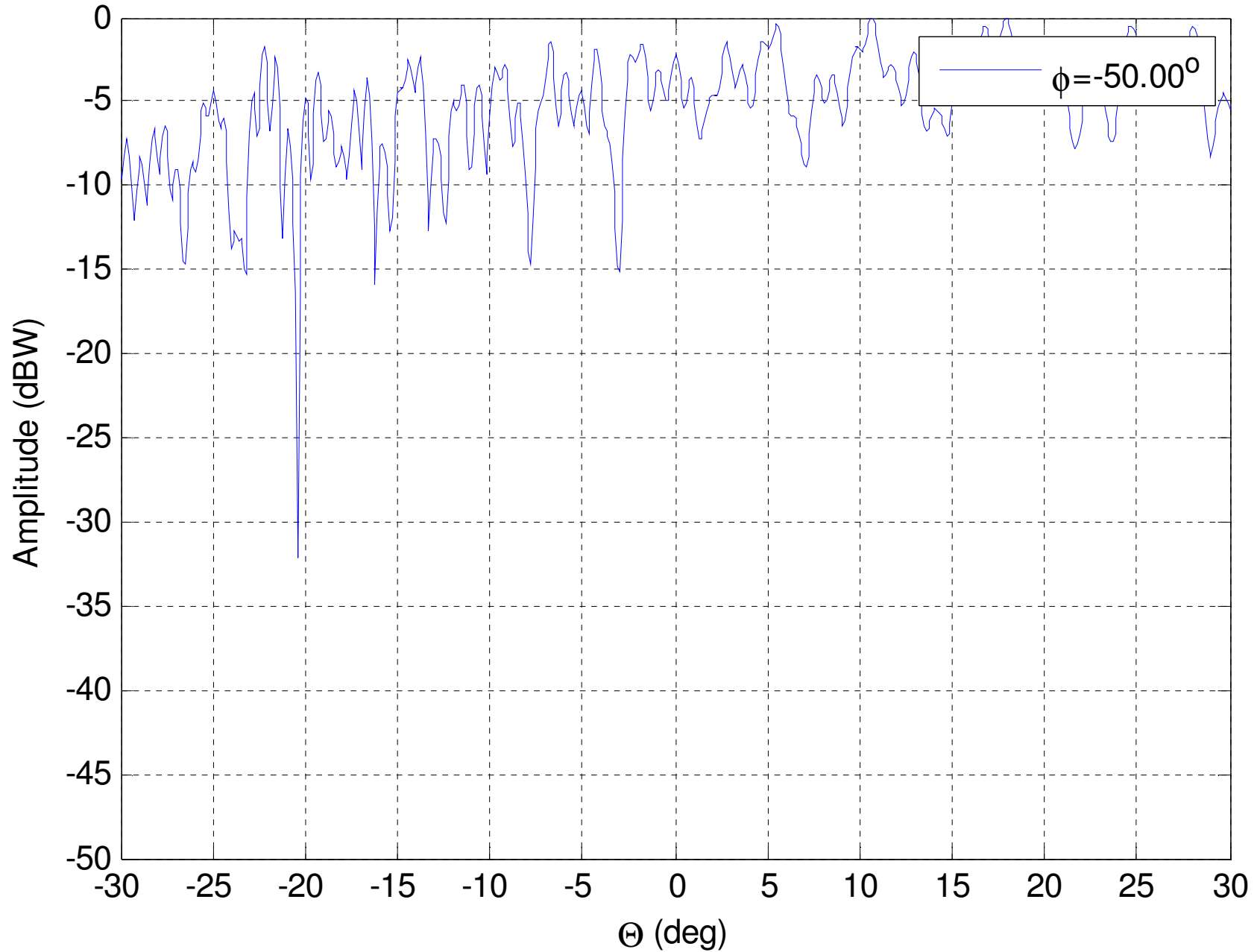
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--60.cut, Peak: -1.85 dBW, Date: 14-Oct-2011



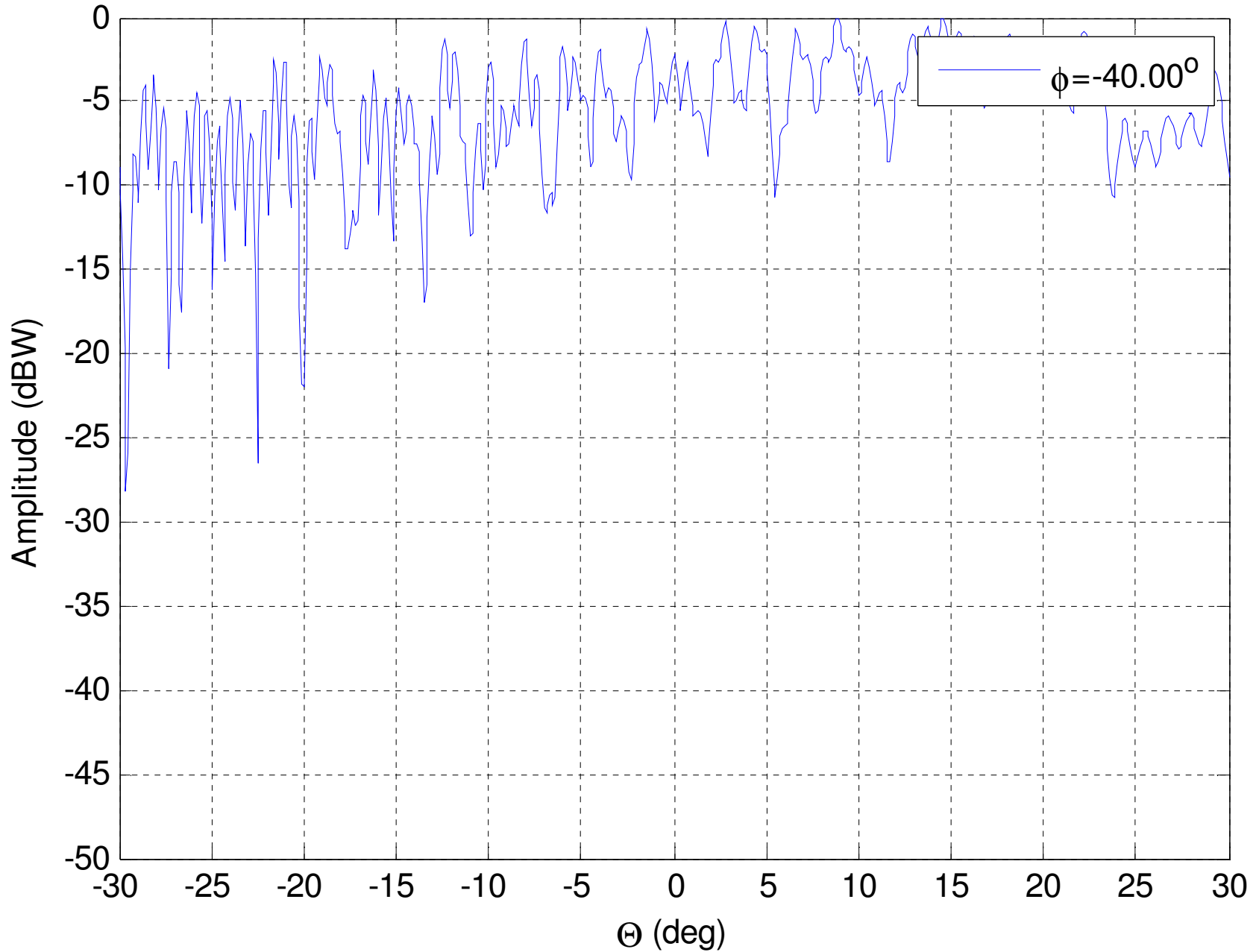
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--50.cut, Peak: -2.60 dBW, Date: 14-Oct-2011



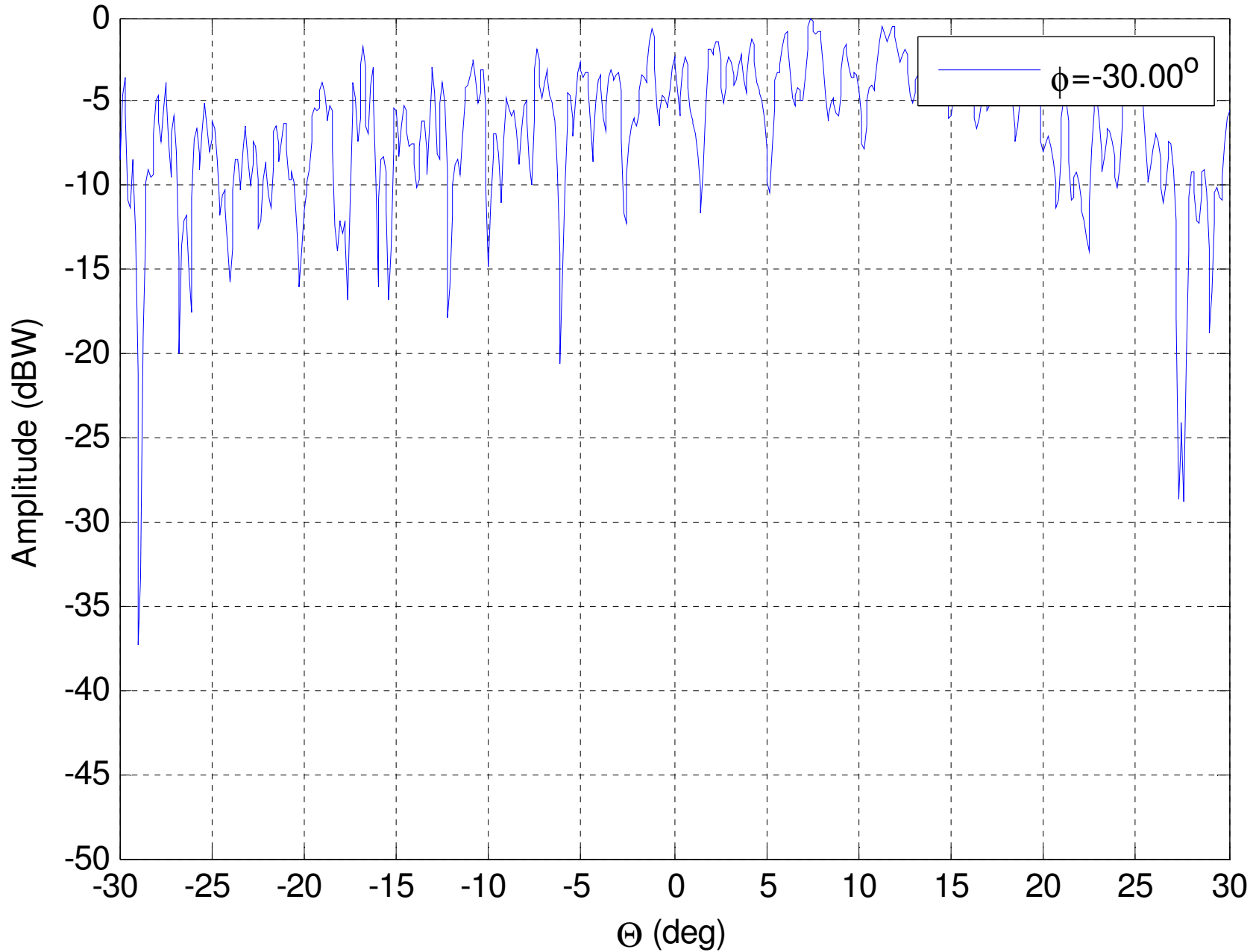
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--40.cut, Peak: -2.65 dBW, Date: 14-Oct-2011



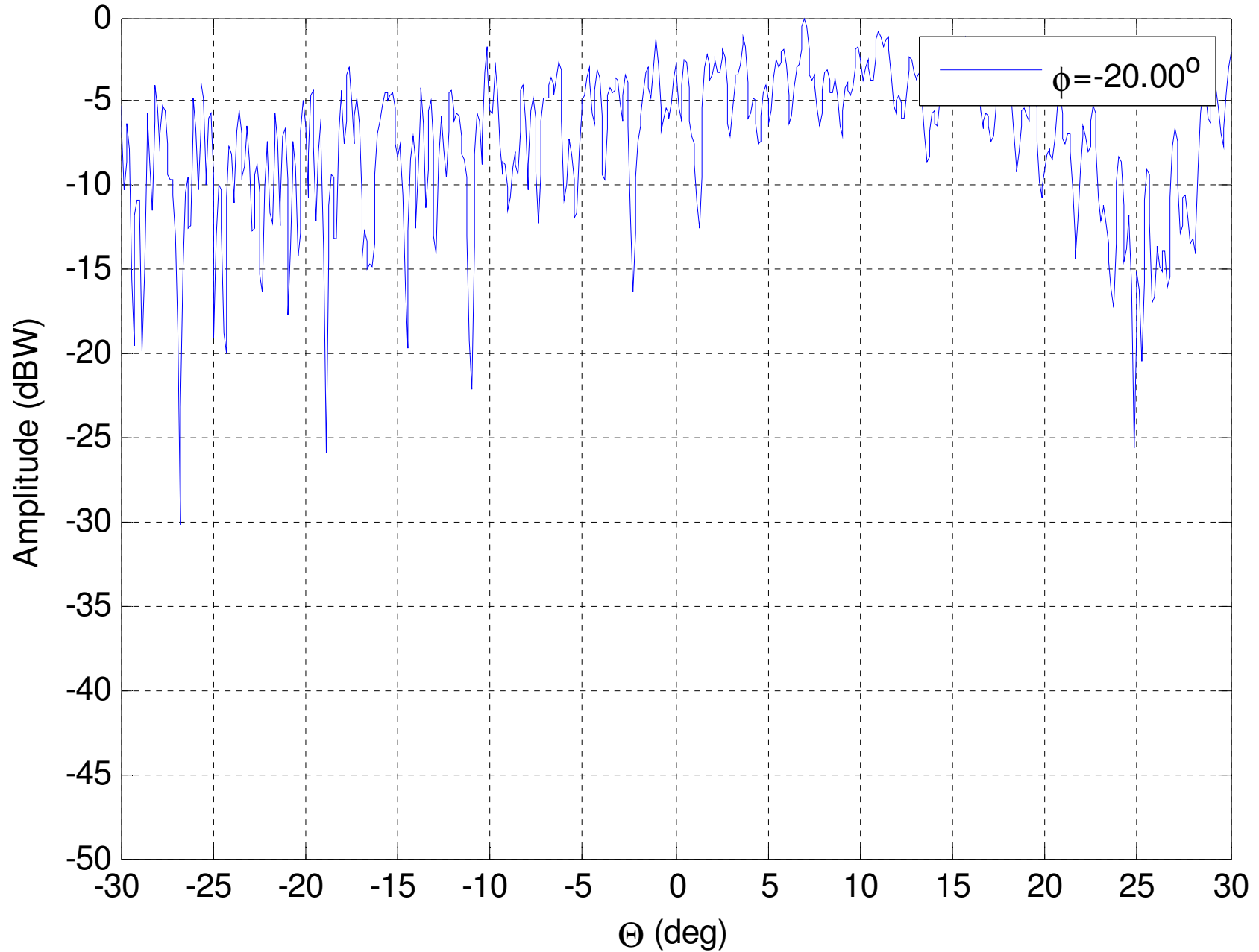
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--30.cut, Peak: -2.47 dBW, Date: 14-Oct-2011



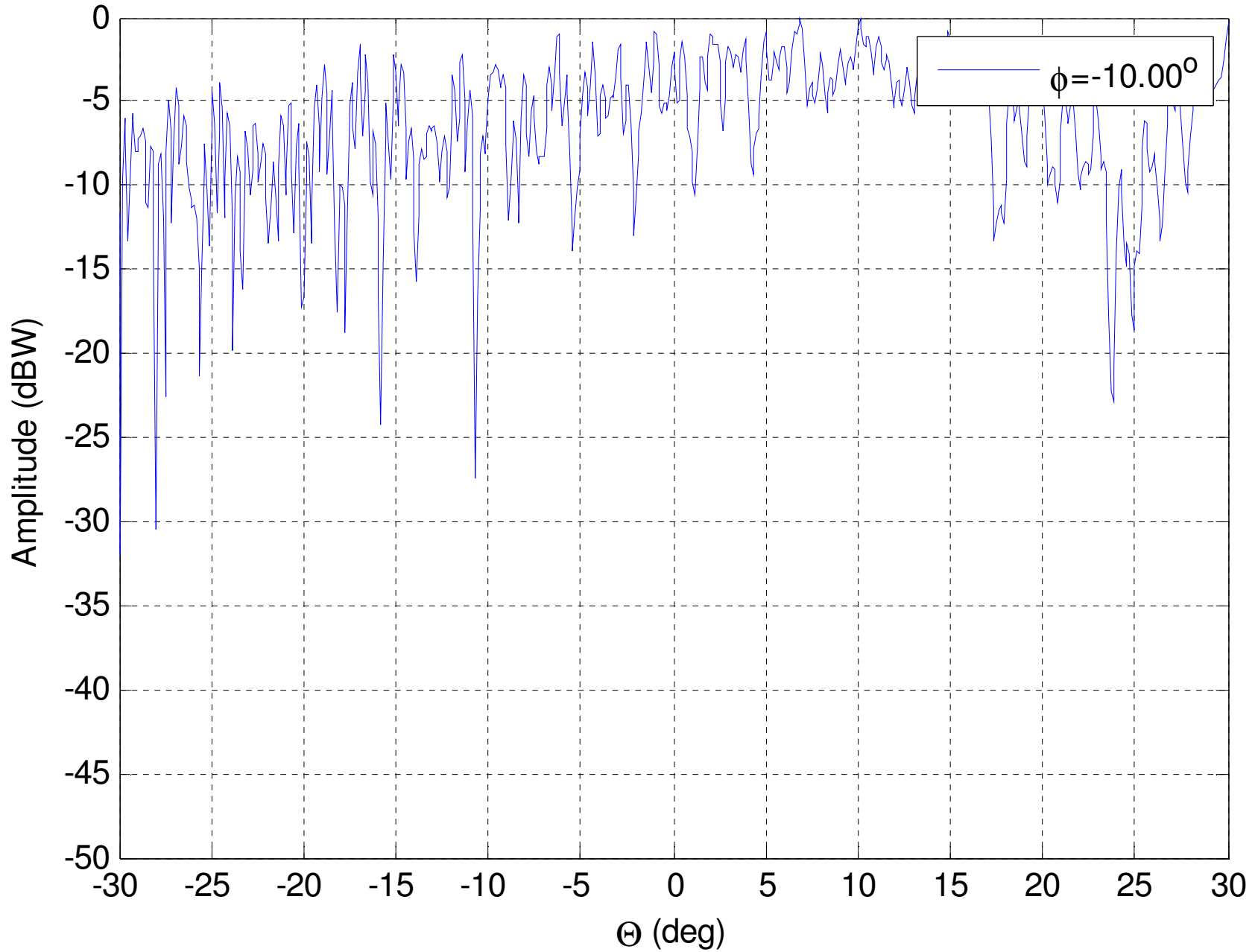
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--20.cut, Peak: -2.07 dBW, Date: 14-Oct-2011



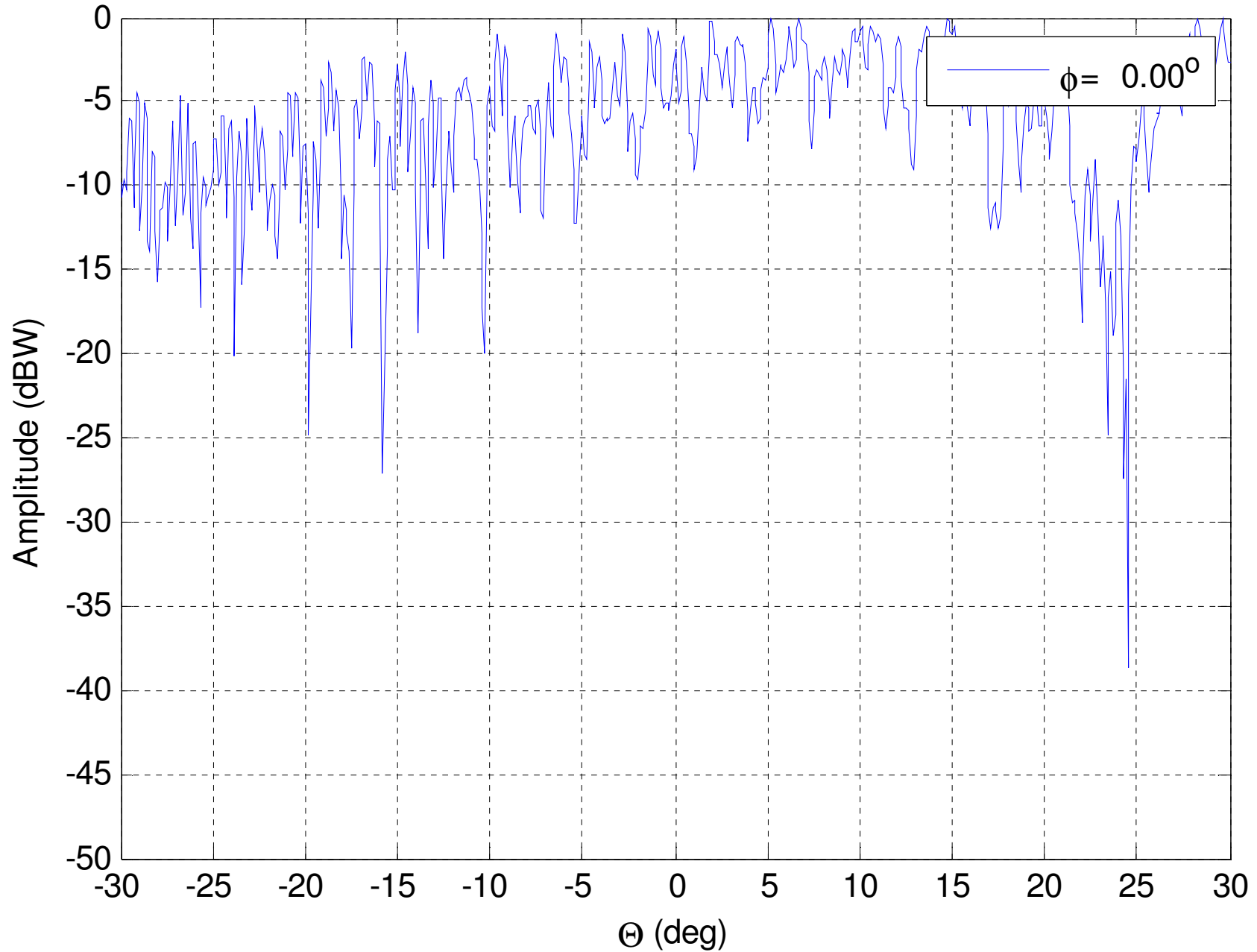
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--10.cut, Peak: -2.74 dBW, Date: 14-Oct-2011



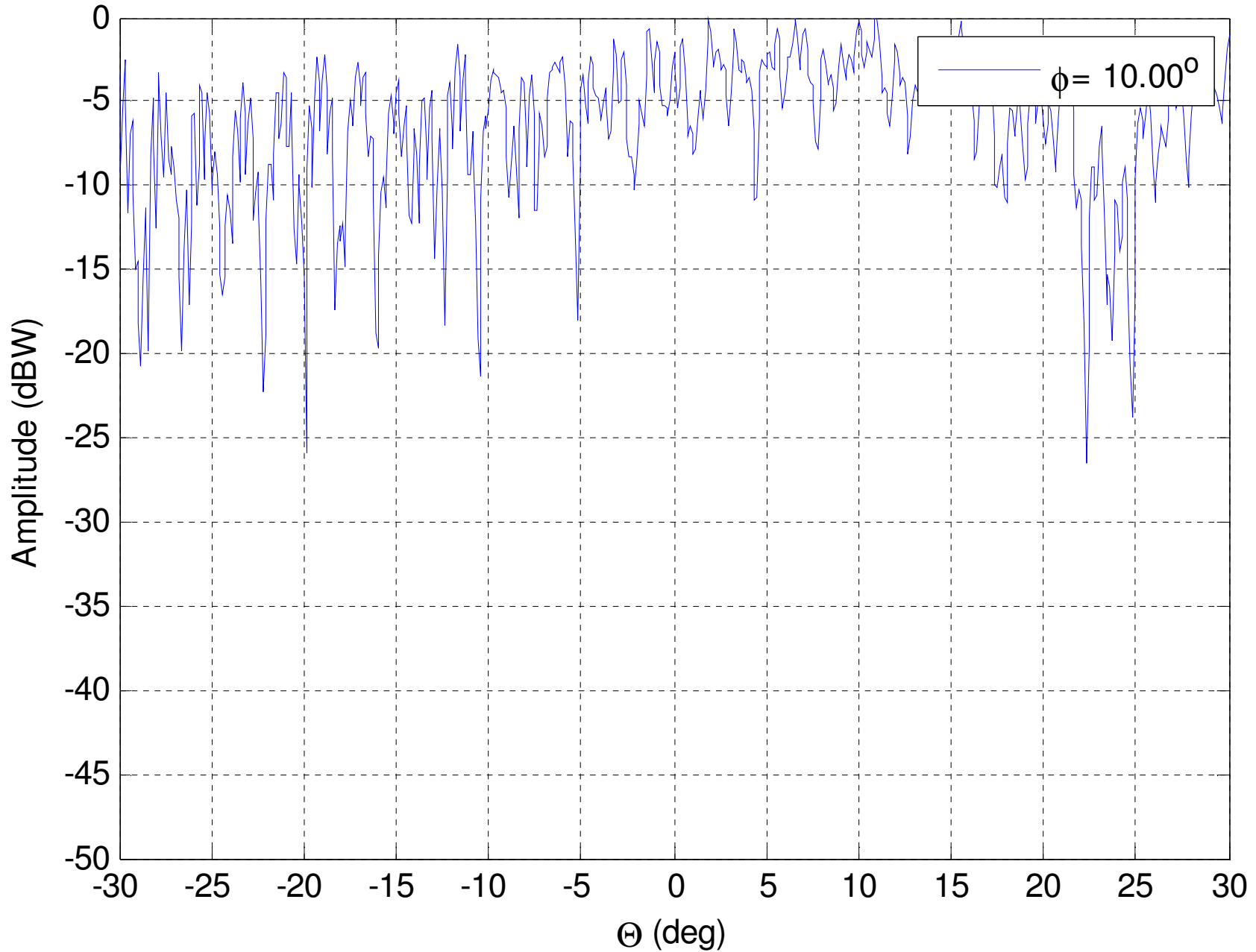
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-0.cut, Peak: -2.92 dBW, Date: 14-Oct-2011



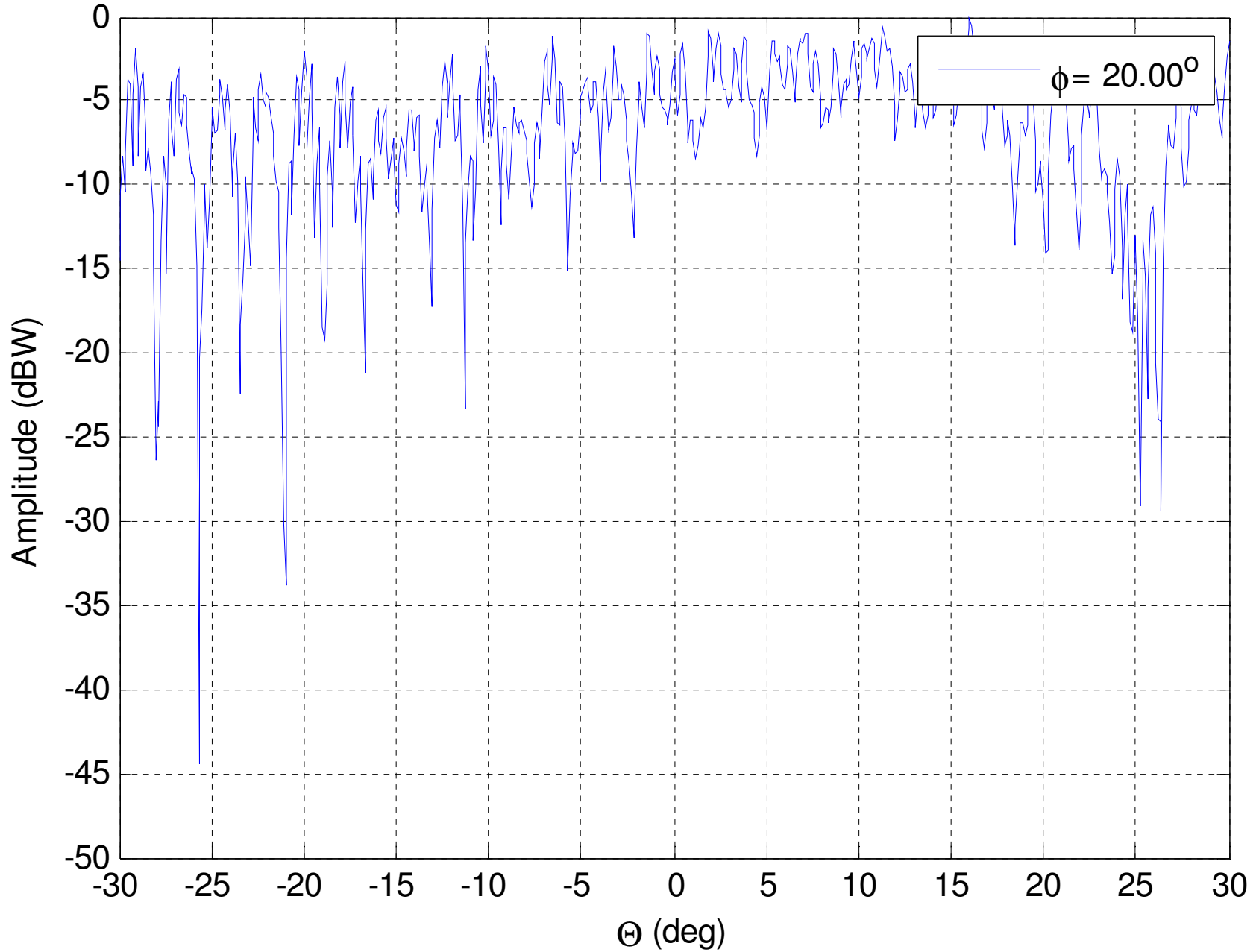
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-10.cut, Peak: -2.75 dBW, Date: 14-Oct-2011



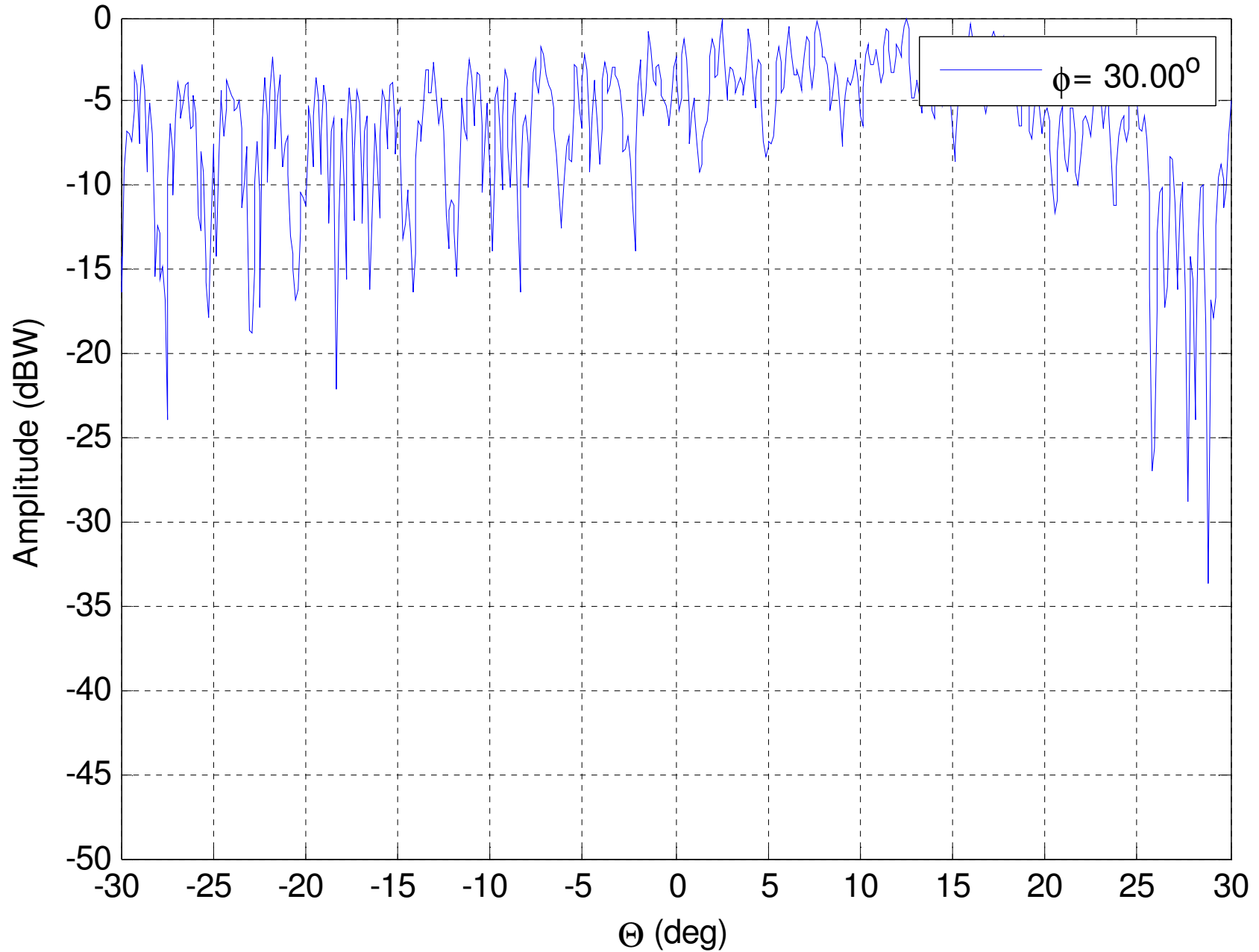
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-20.cut, Peak: -2.32 dBW, Date: 14-Oct-2011



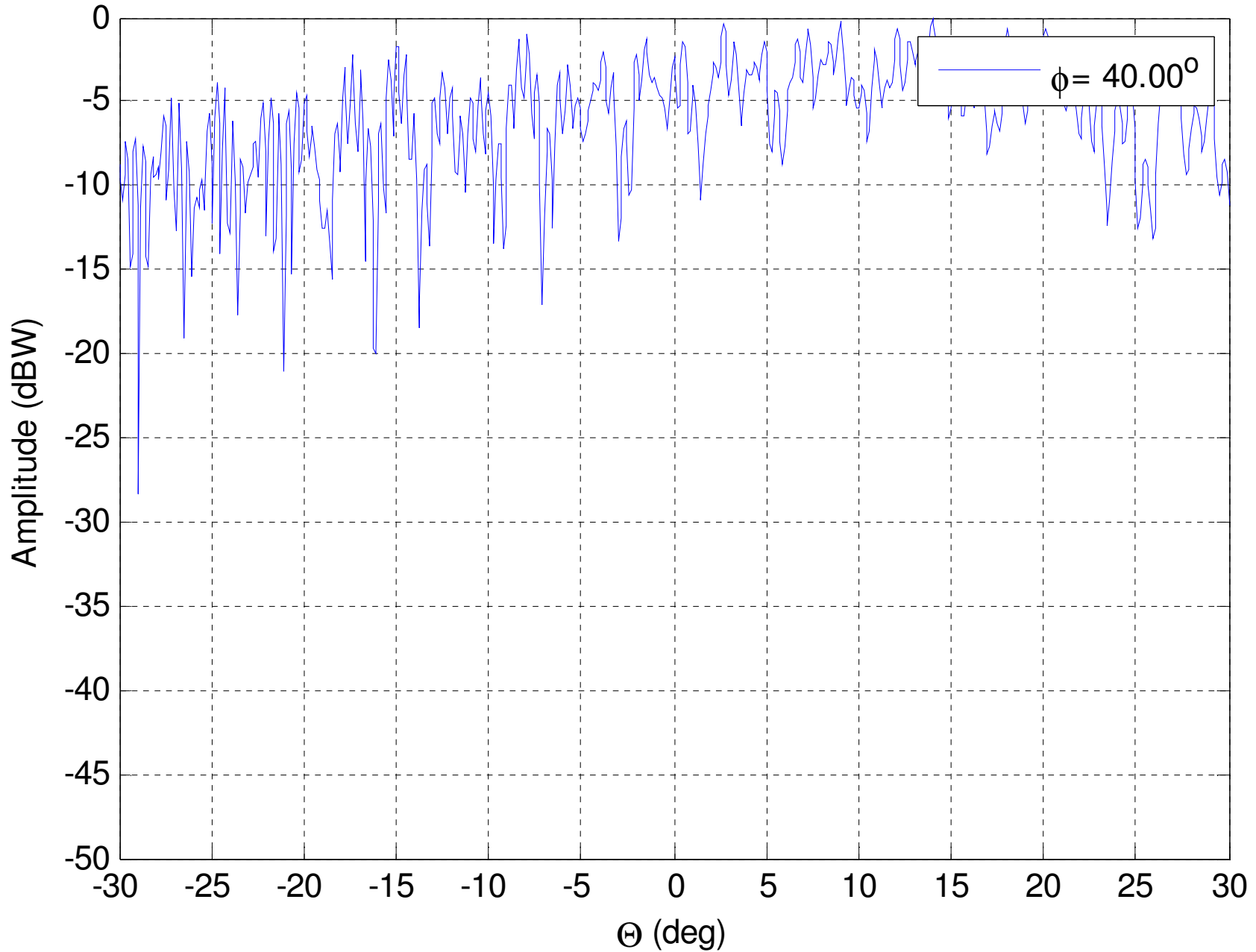
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-30.cut, Peak: -2.48 dBW, Date: 14-Oct-2011



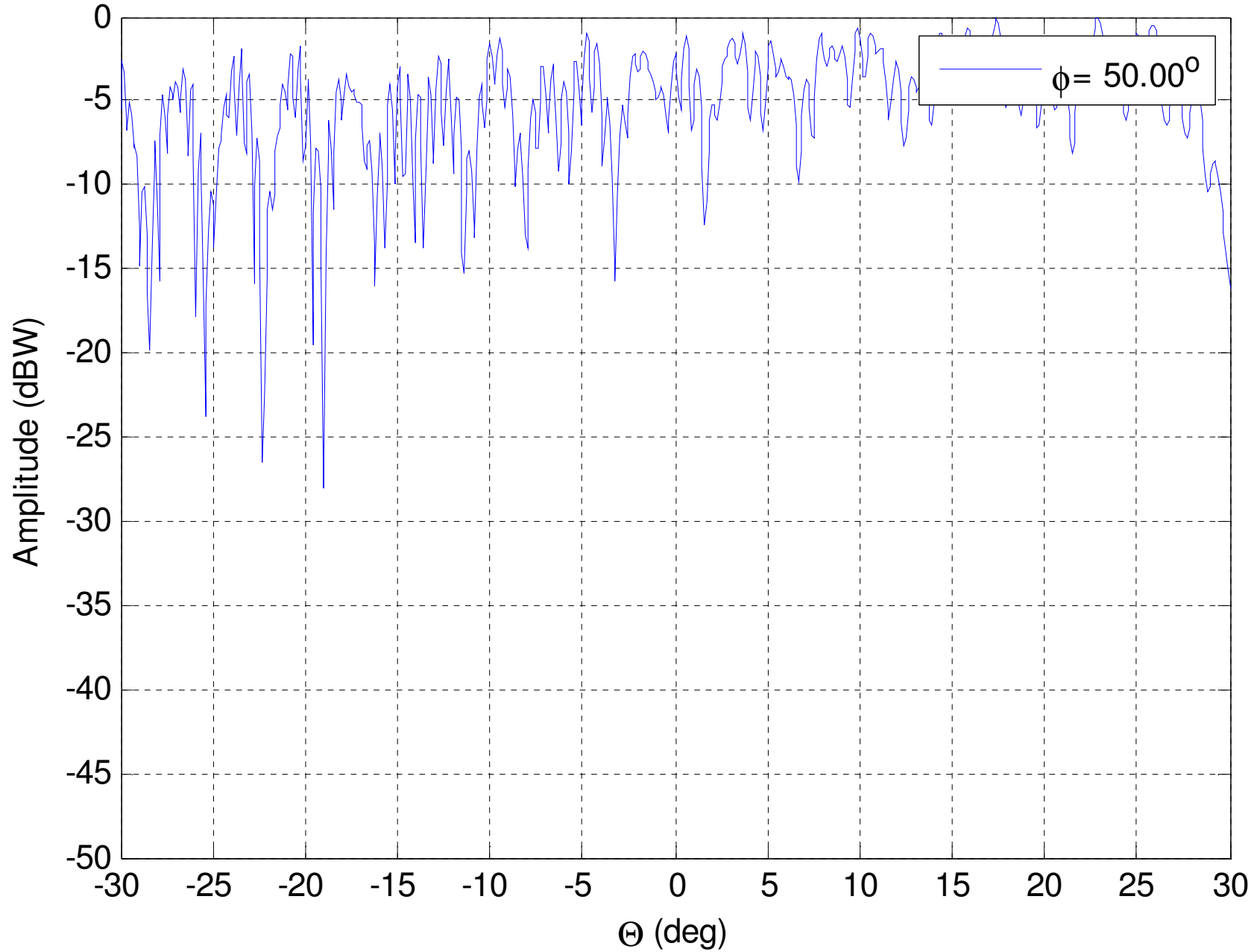
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-40.cut, Peak: -2.41 dBW, Date: 14-Oct-2011



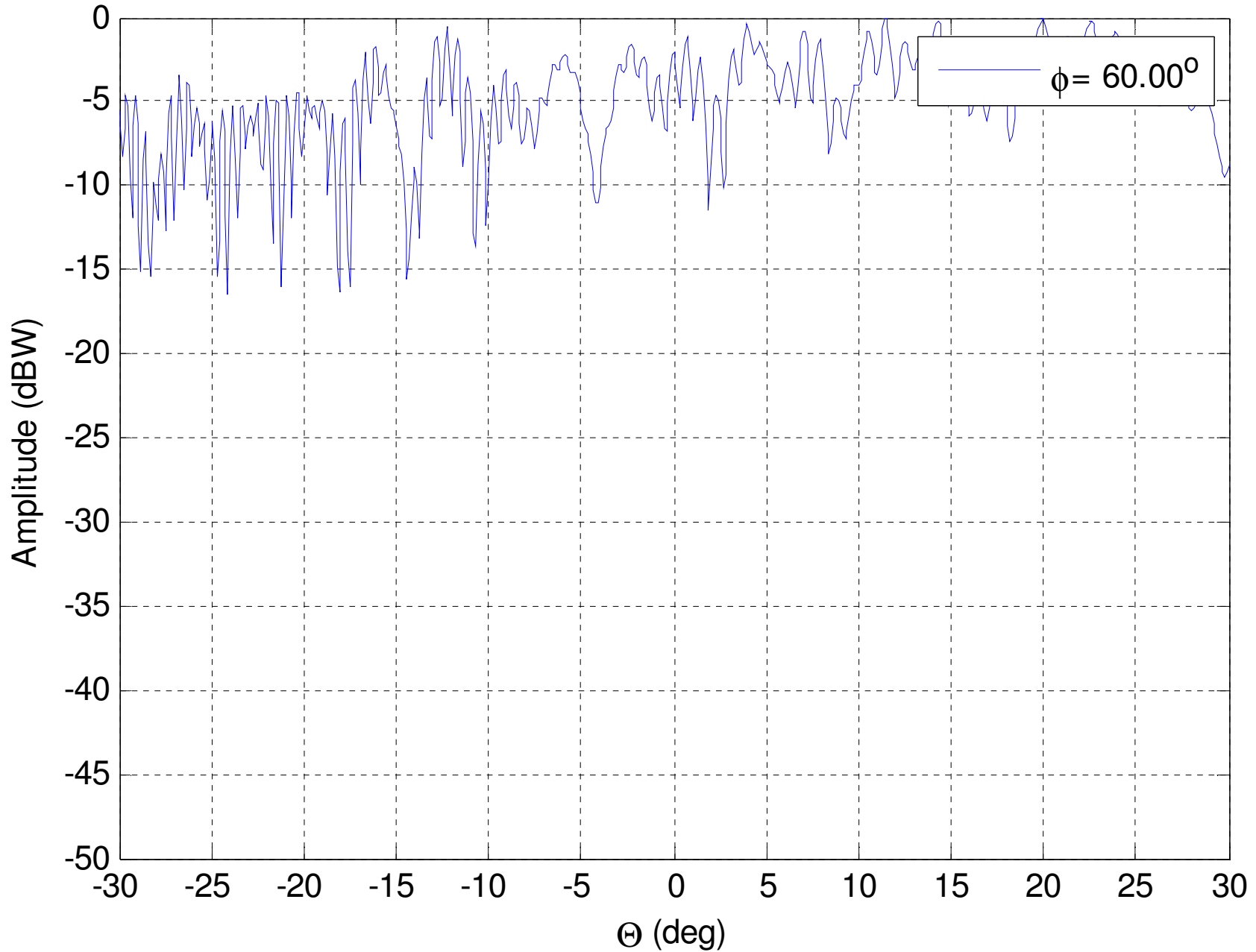
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-50.cut, Peak: -2.55 dBW, Date: 14-Oct-2011



Normalized pattern cuts - farfield

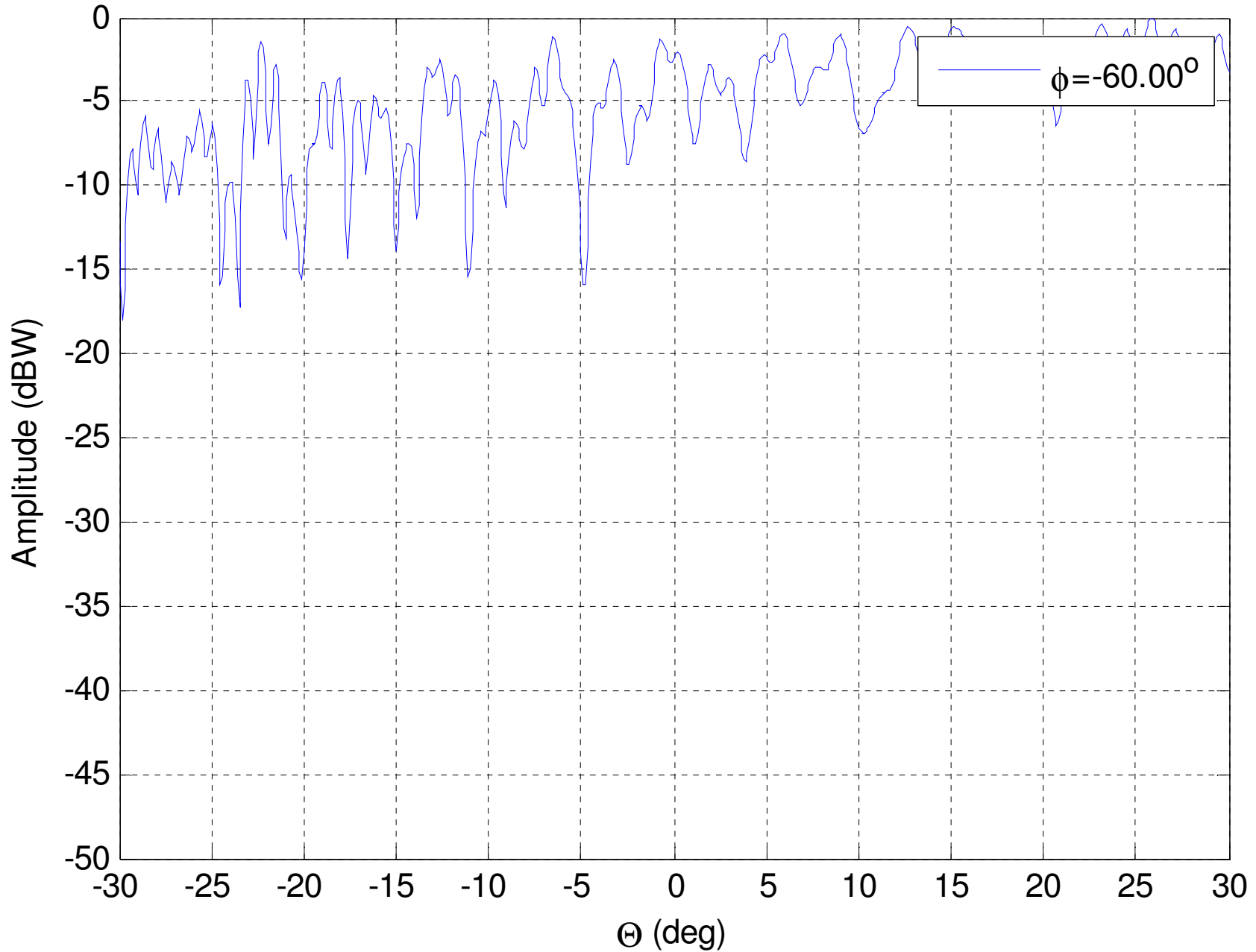
Input file: tx-17.3-lhcp-60.cut, Peak: -2.75 dBW, Date: 14-Oct-2011



RHCP at 17.5 GHz

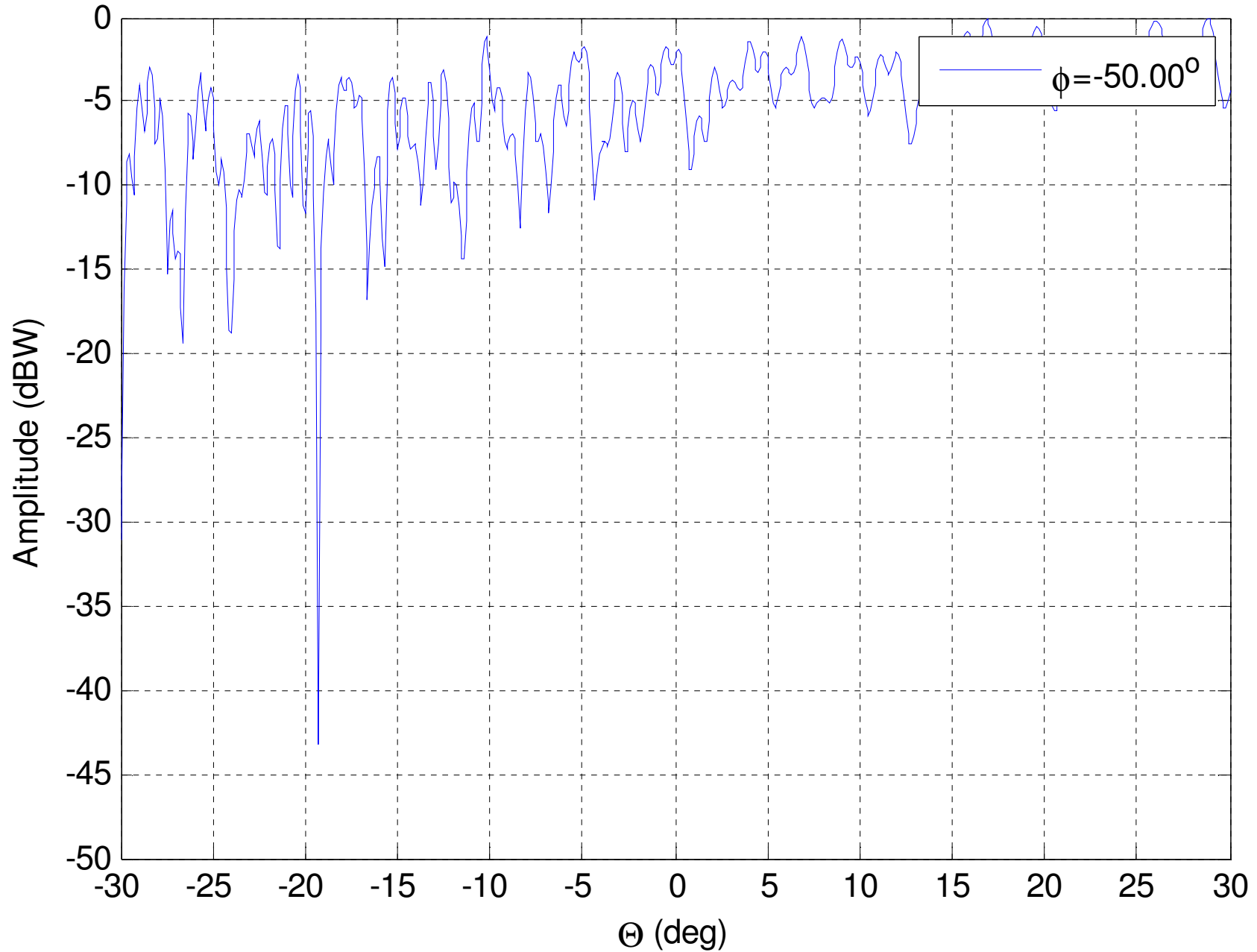
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--60.cut, Peak: -2.48 dBW, Date: 14-Oct-2011



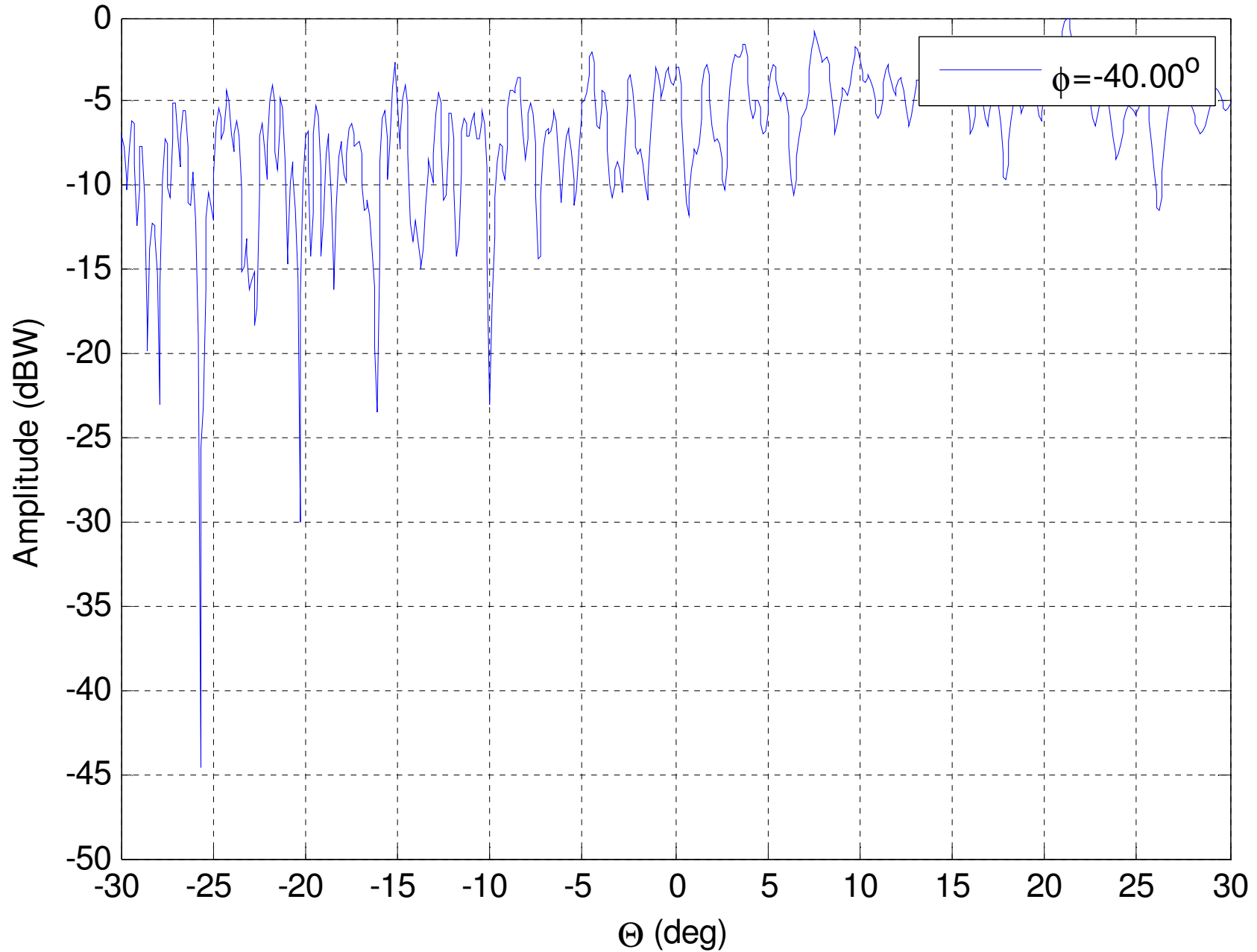
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--50.cut, Peak: -2.48 dBW, Date: 14-Oct-2011



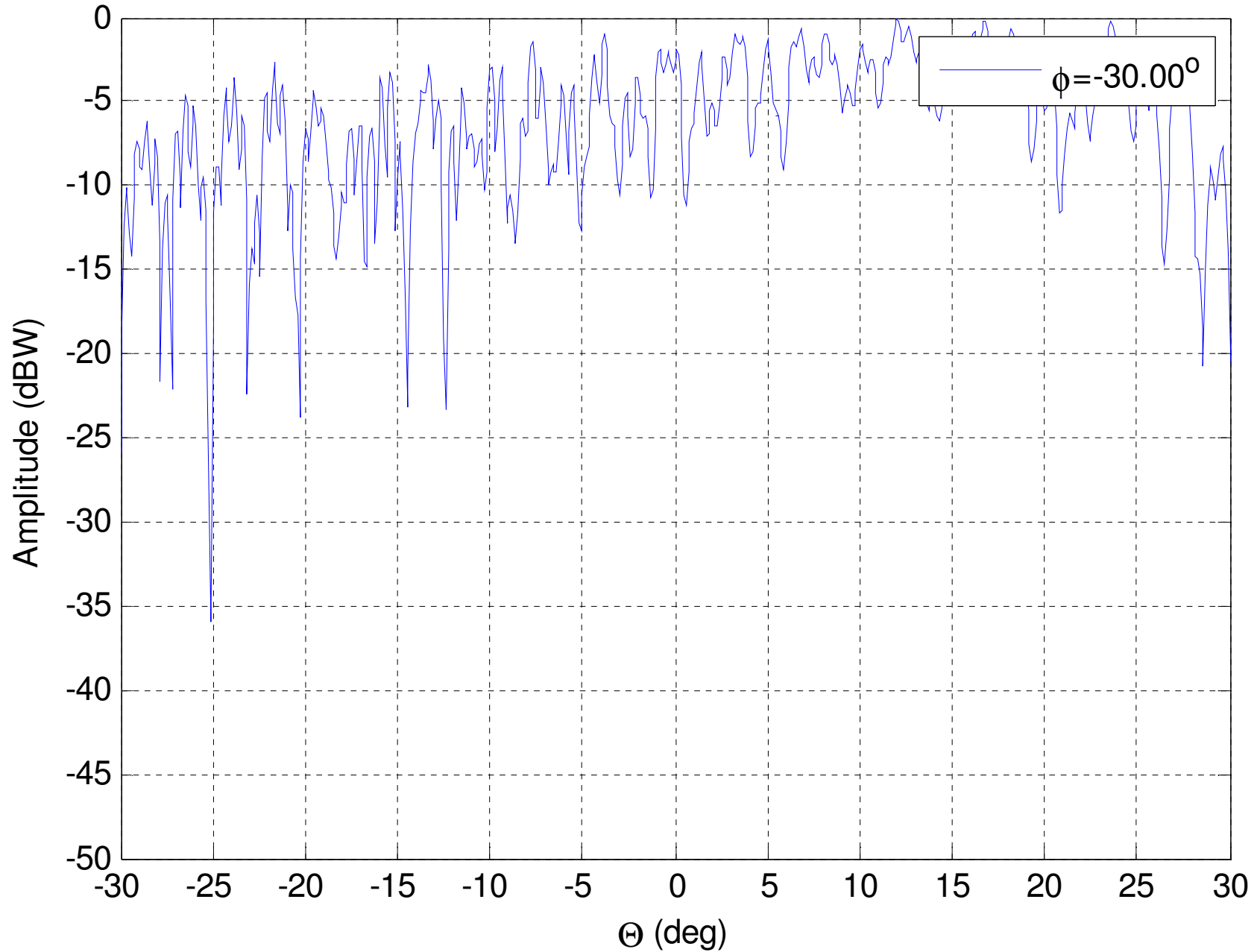
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--40.cut, Peak: -1.42 dBW, Date: 14-Oct-2011



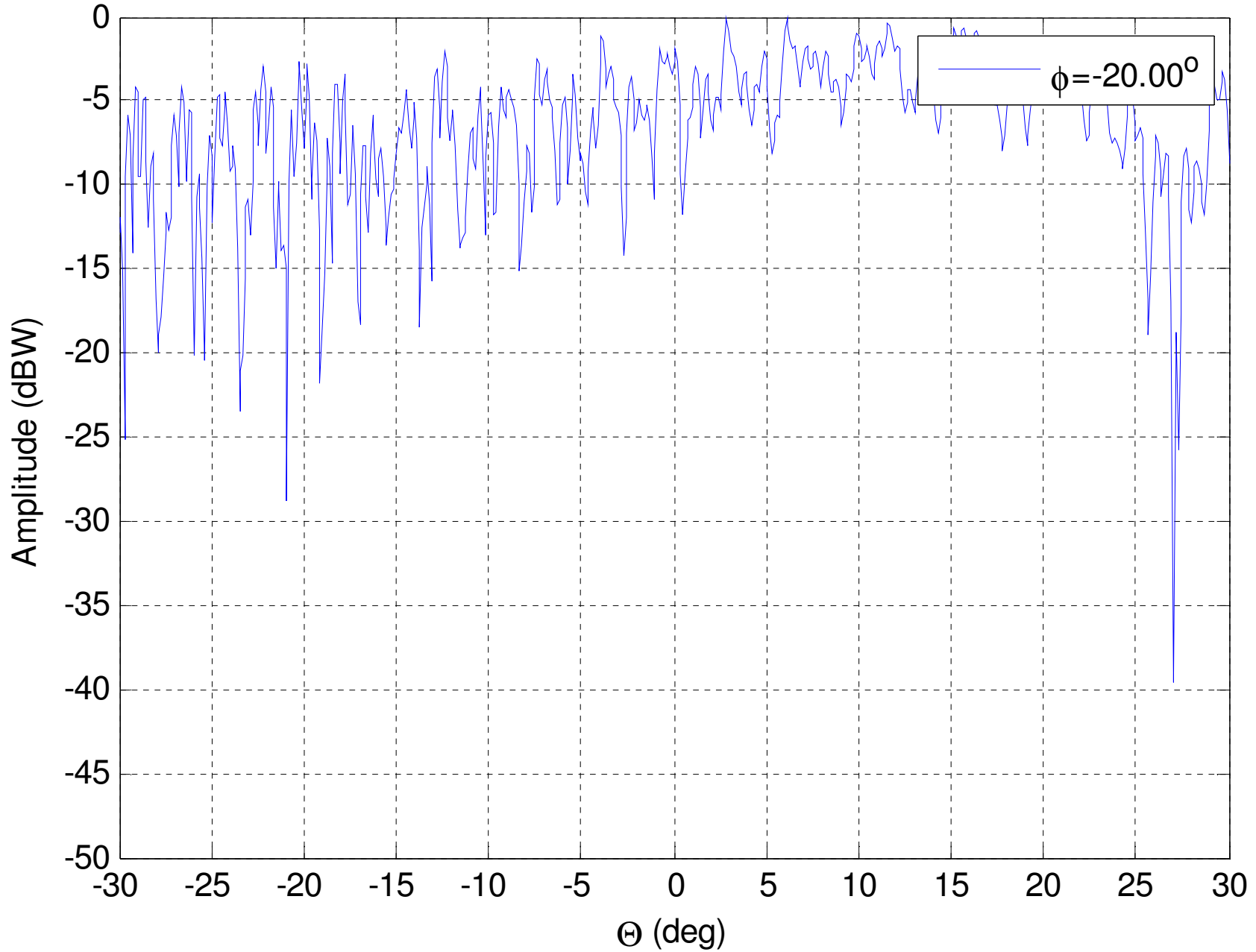
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--30.cut, Peak: -2.41 dBW, Date: 14-Oct-2011



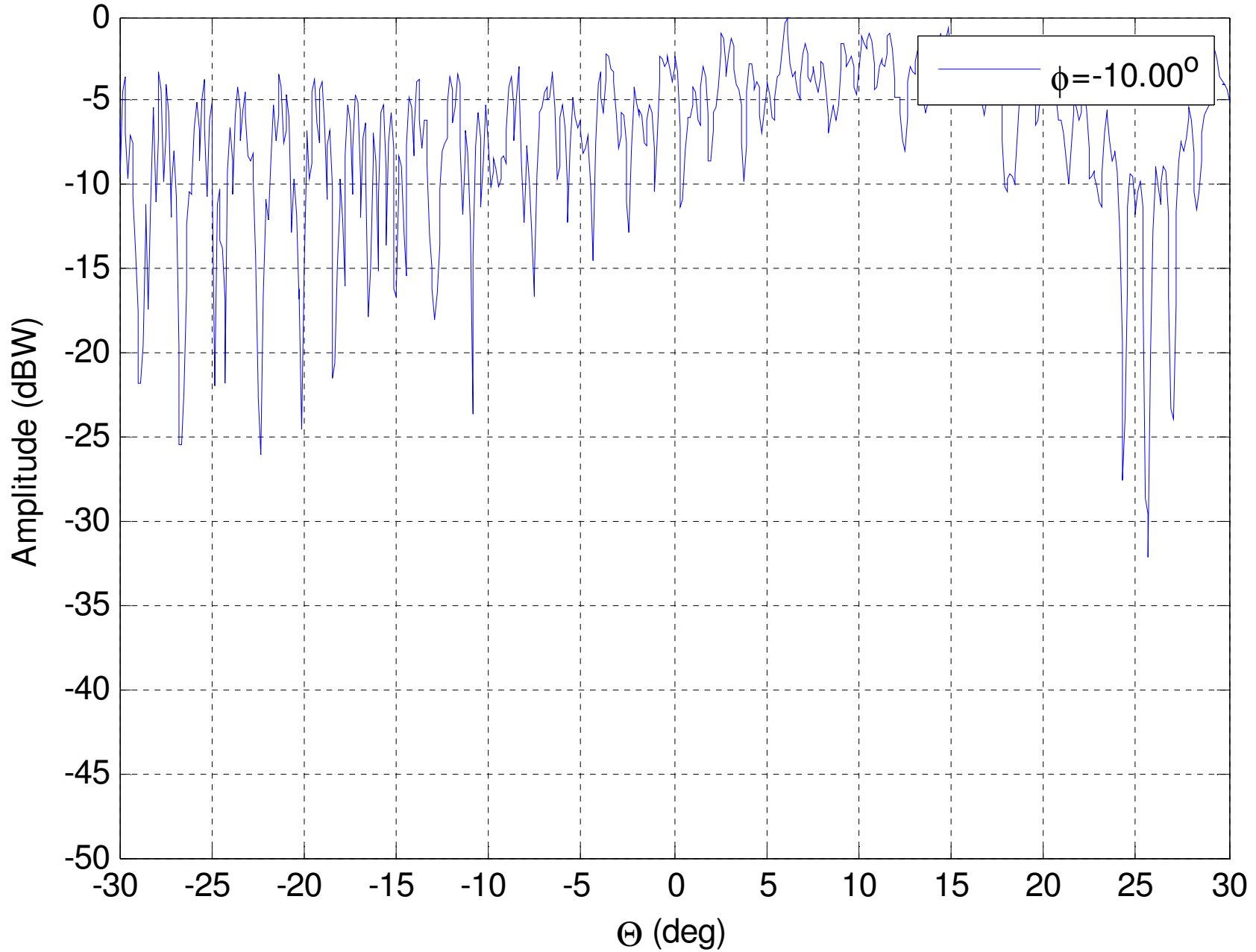
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--20.cut, Peak: -2.31 dBW, Date: 14-Oct-2011



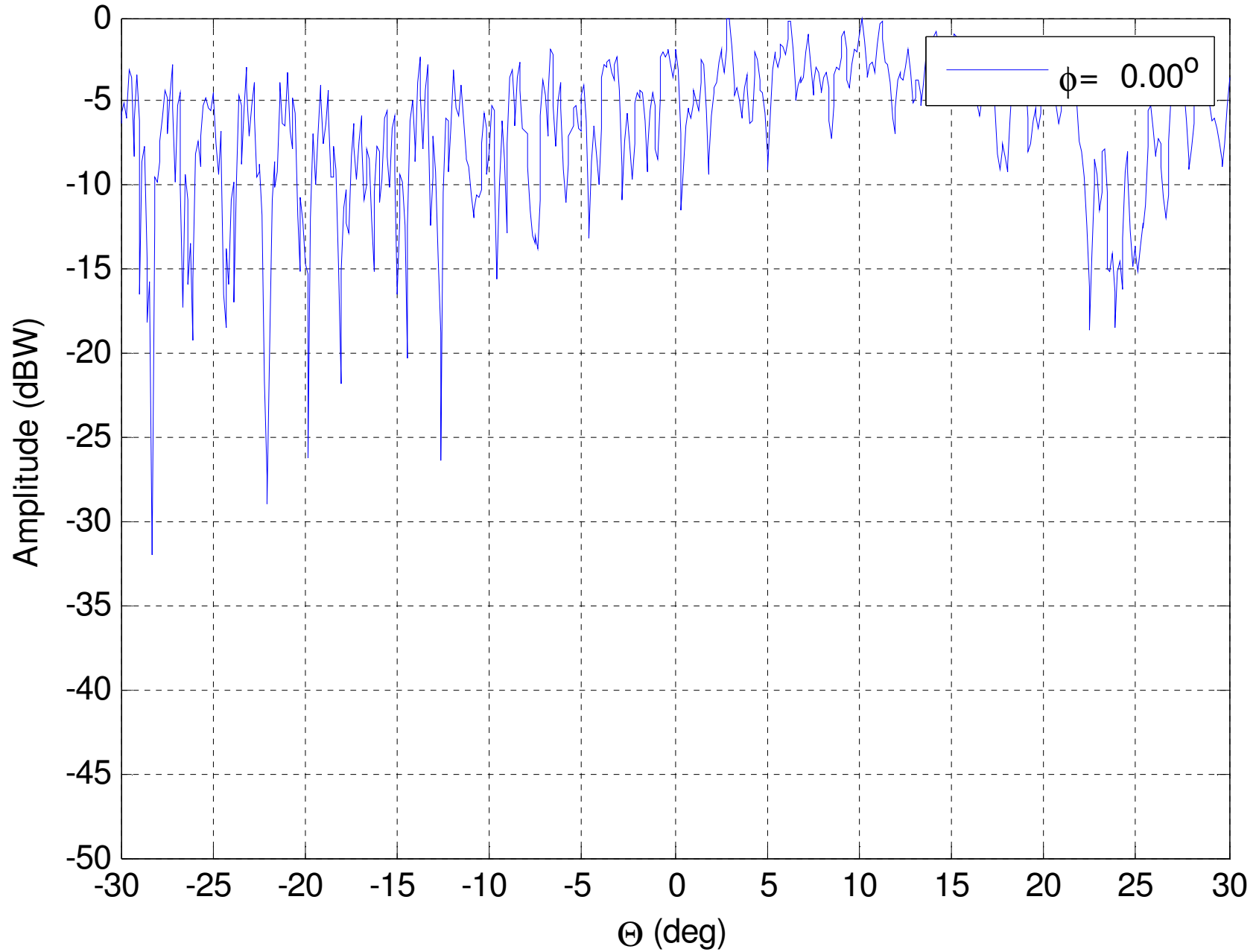
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--10.cut, Peak: -1.96 dBW, Date: 14-Oct-2011



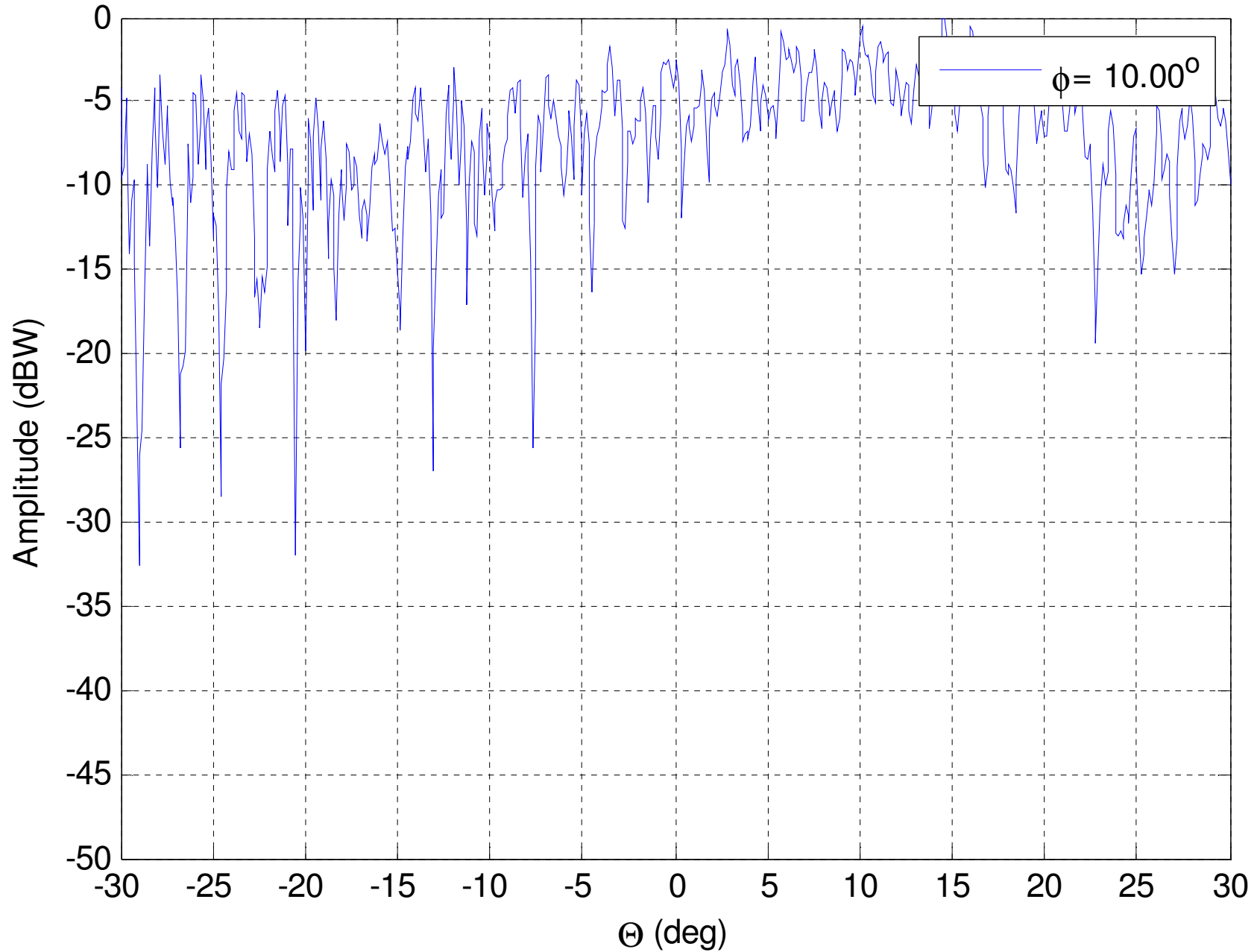
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-0.cut, Peak: -2.35 dBW, Date: 14-Oct-2011



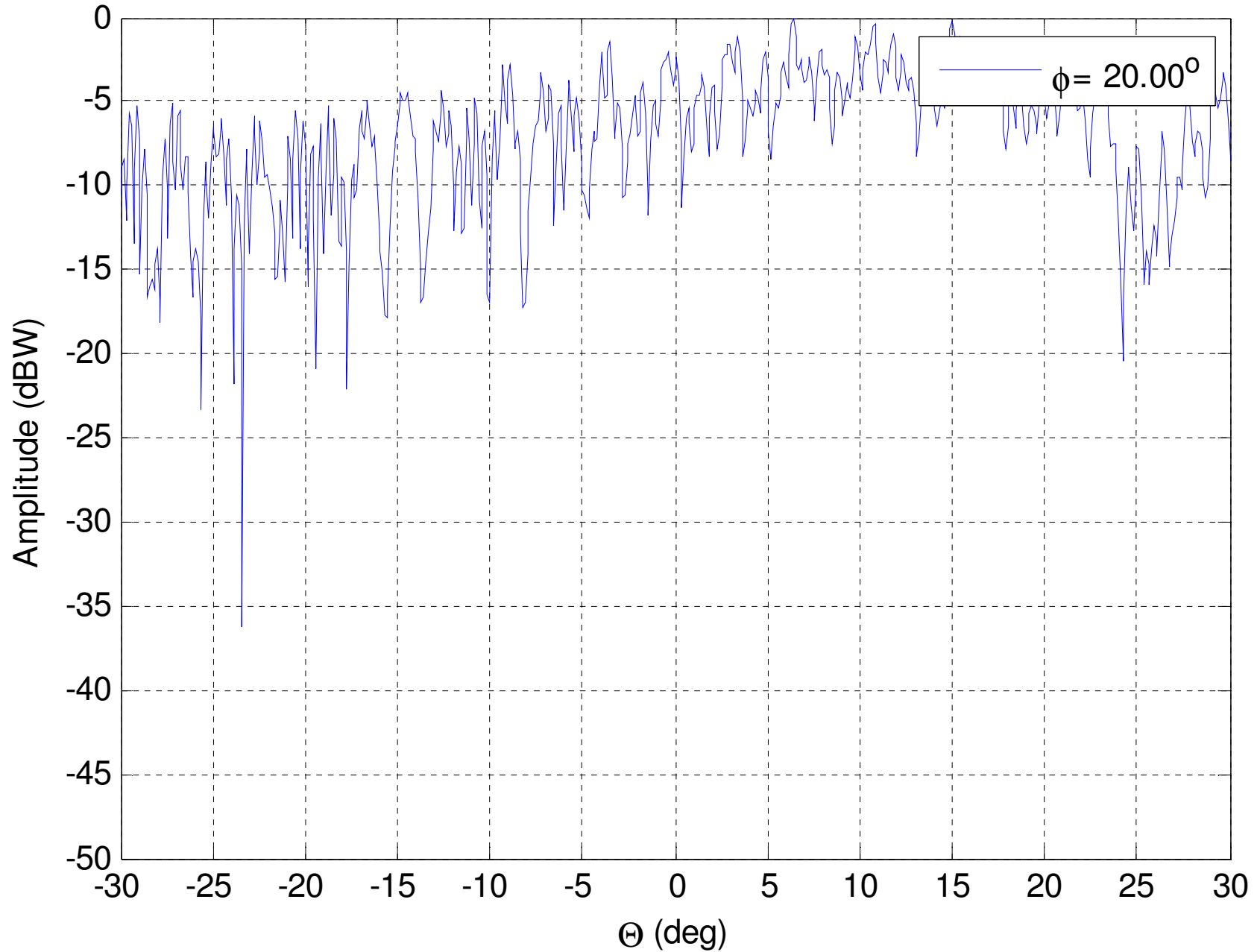
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-10.cut, Peak: -1.73 dBW, Date: 14-Oct-2011



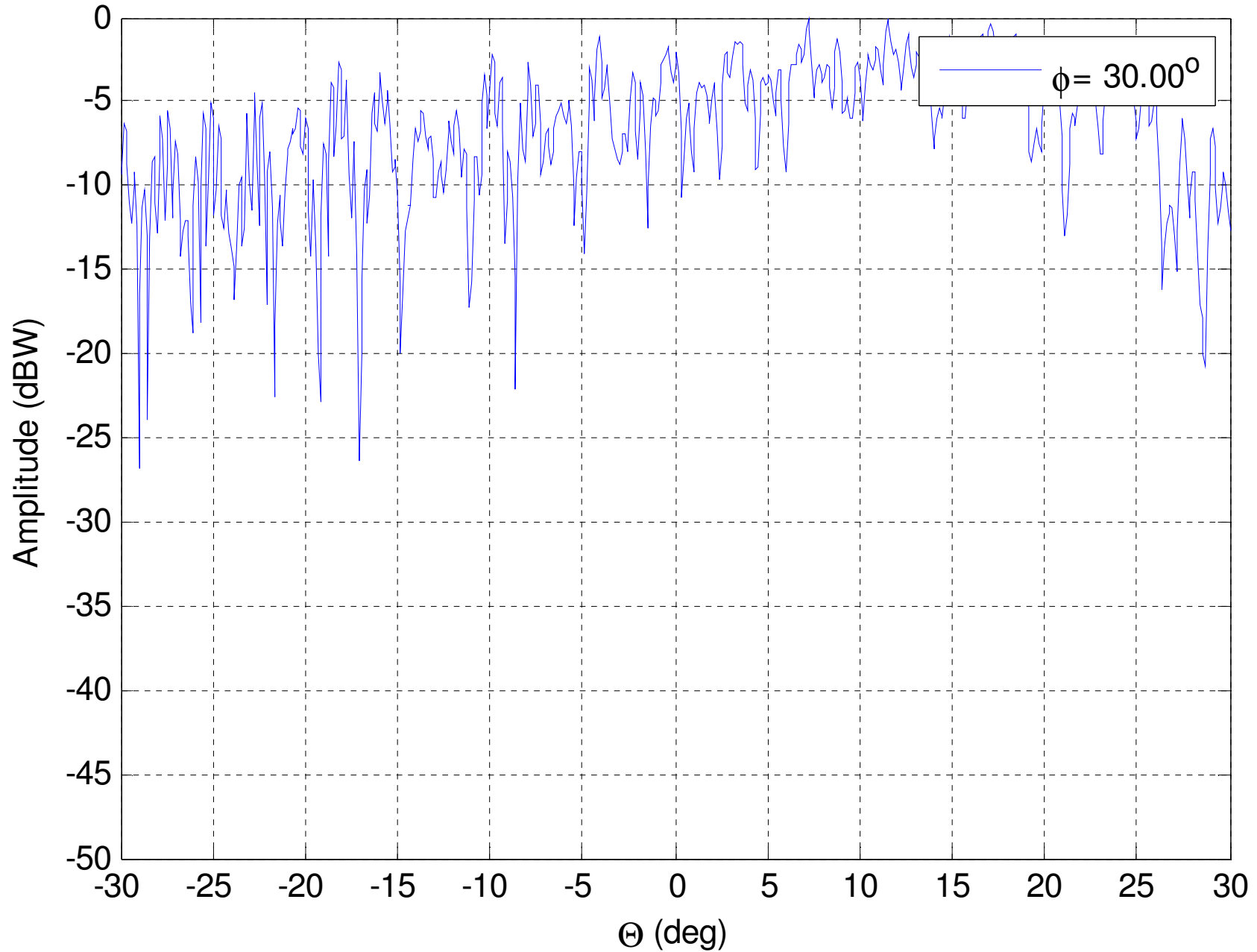
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-20.cut, Peak: -1.95 dBW, Date: 14-Oct-2011



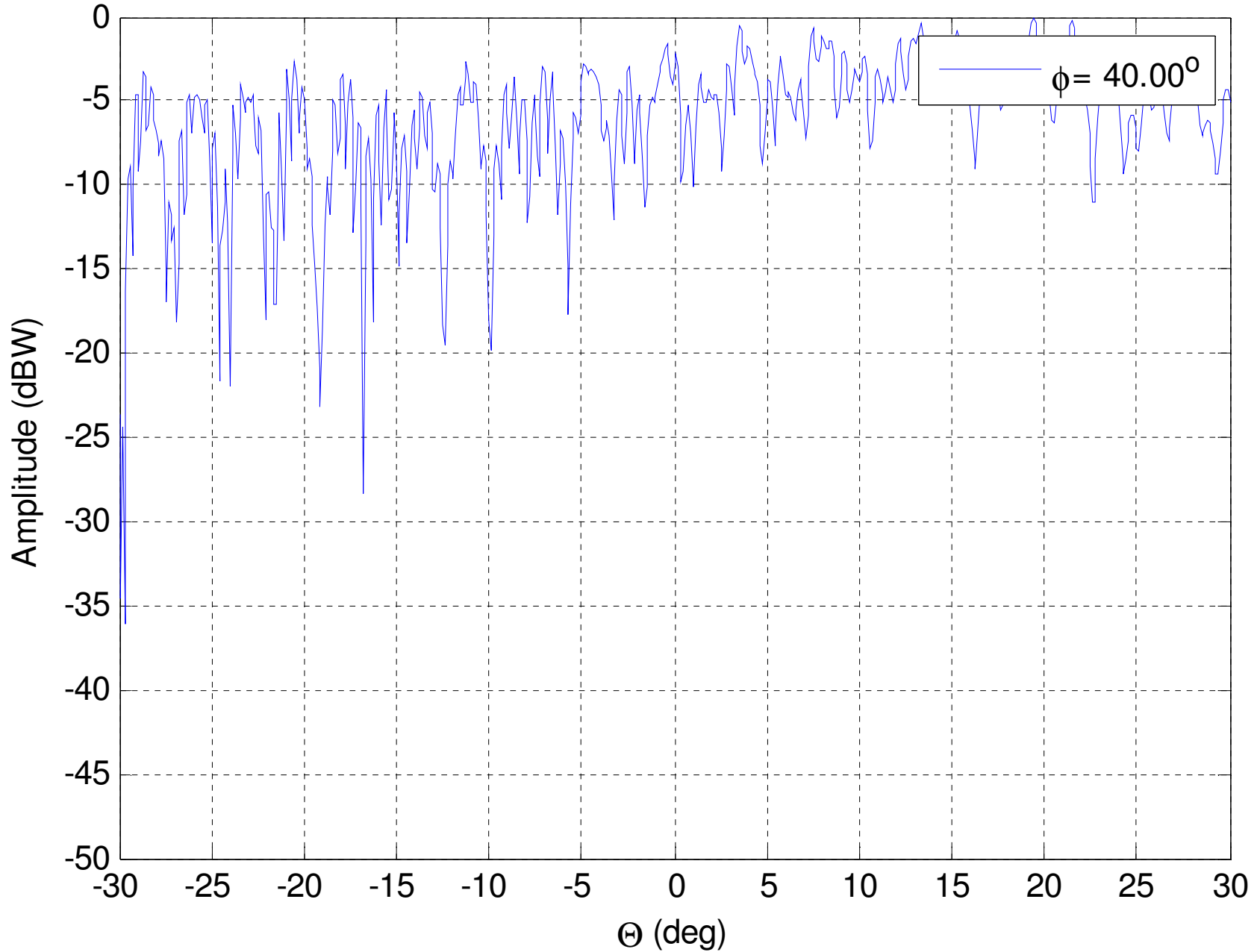
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-30.cut, Peak: -2.10 dBW, Date: 14-Oct-2011



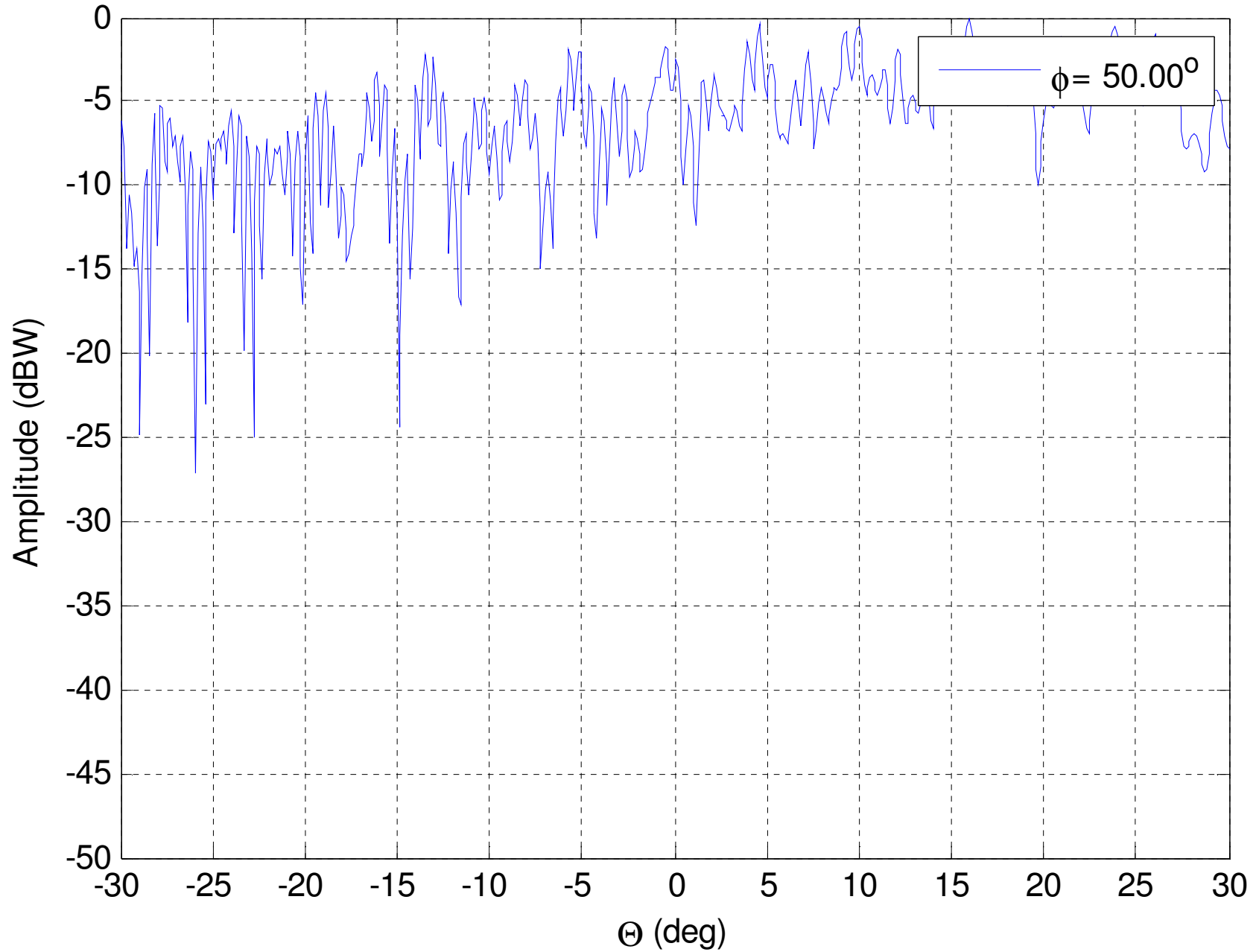
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-40.cut, Peak: -2.05 dBW, Date: 14-Oct-2011



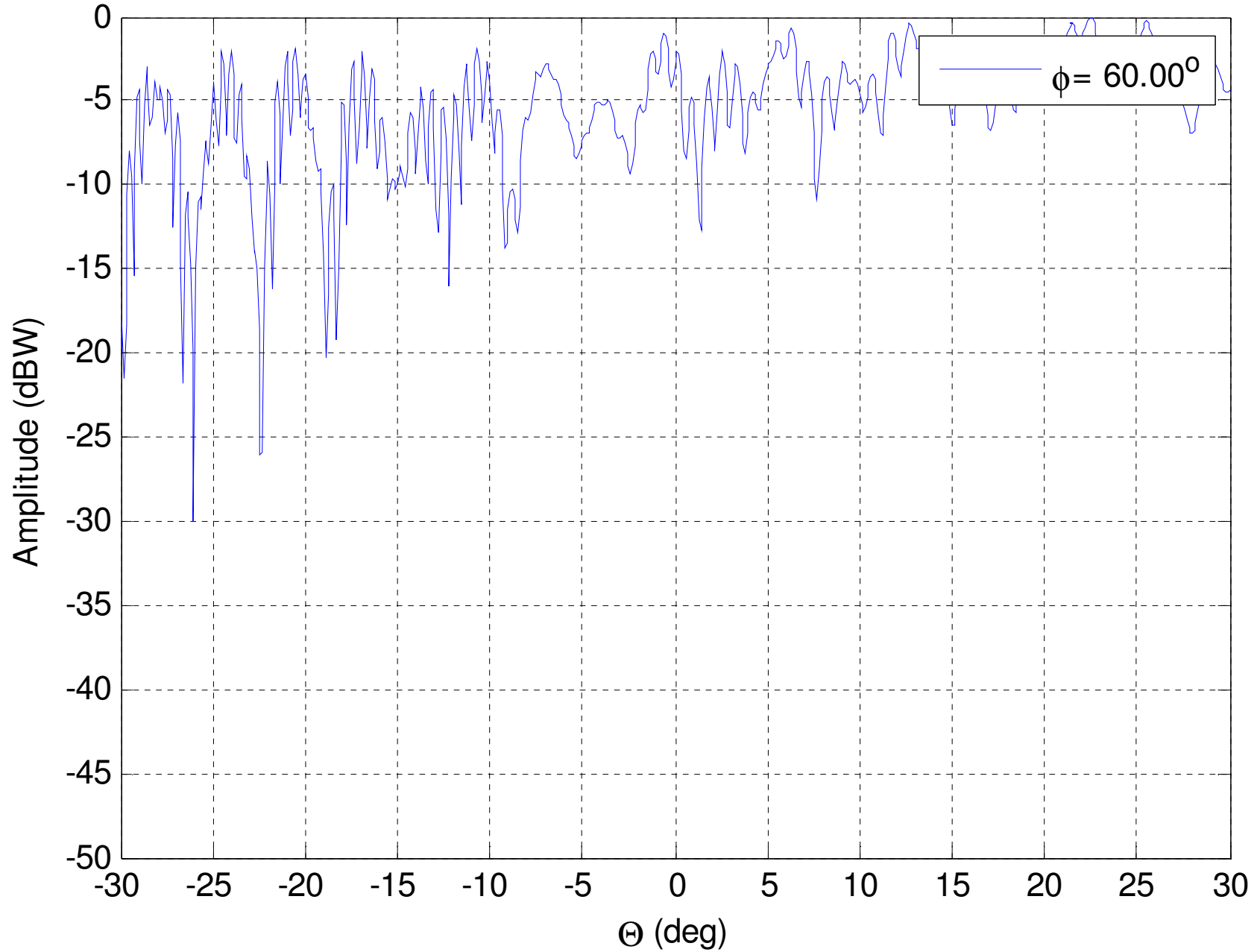
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-50.cut, Peak: -1.74 dBW, Date: 14-Oct-2011



Normalized pattern cuts - farfield

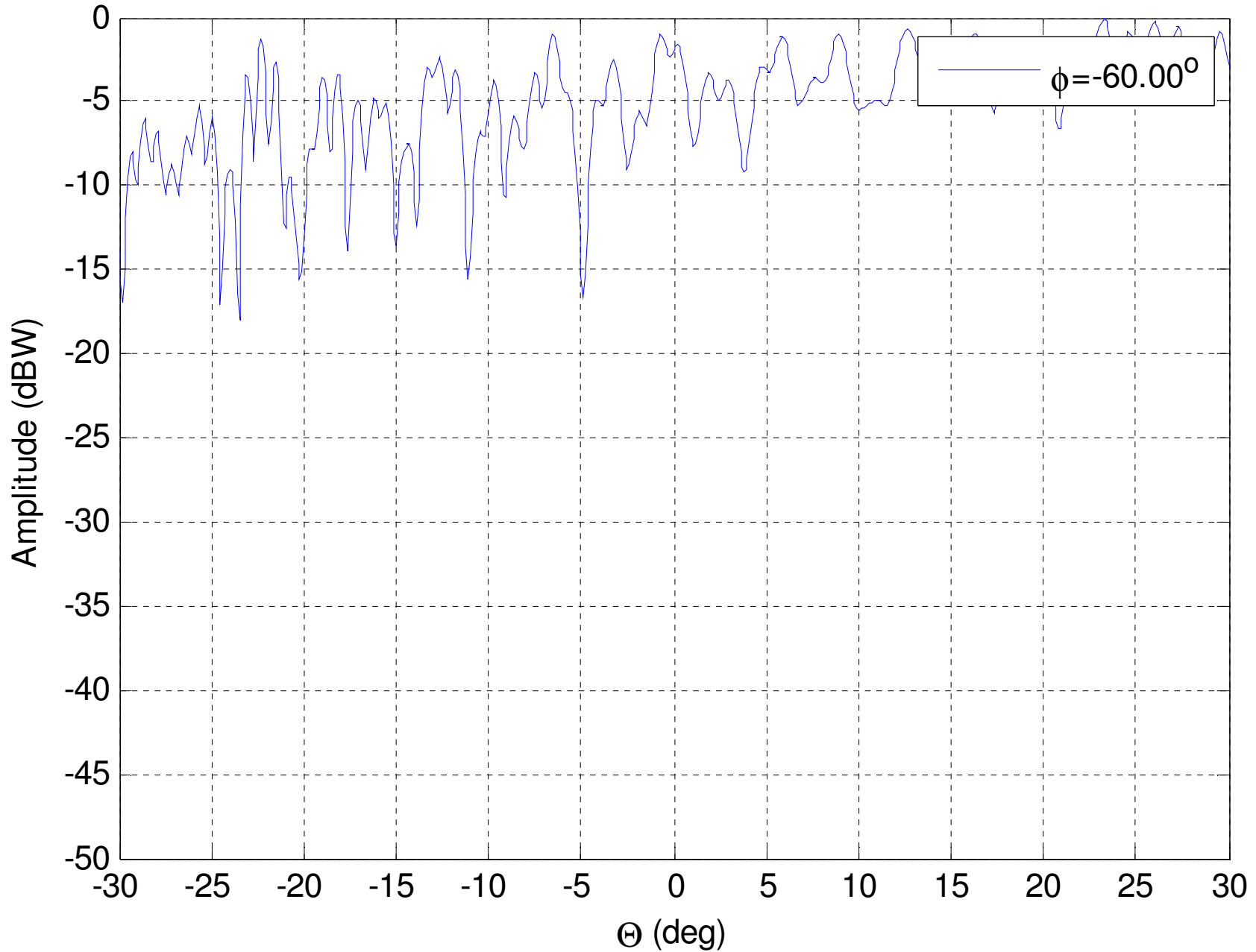
Input file: tx-17.5-rhcp-60.cut, Peak: -2.23 dBW, Date: 14-Oct-2011



LHCP at 17.5 GHz

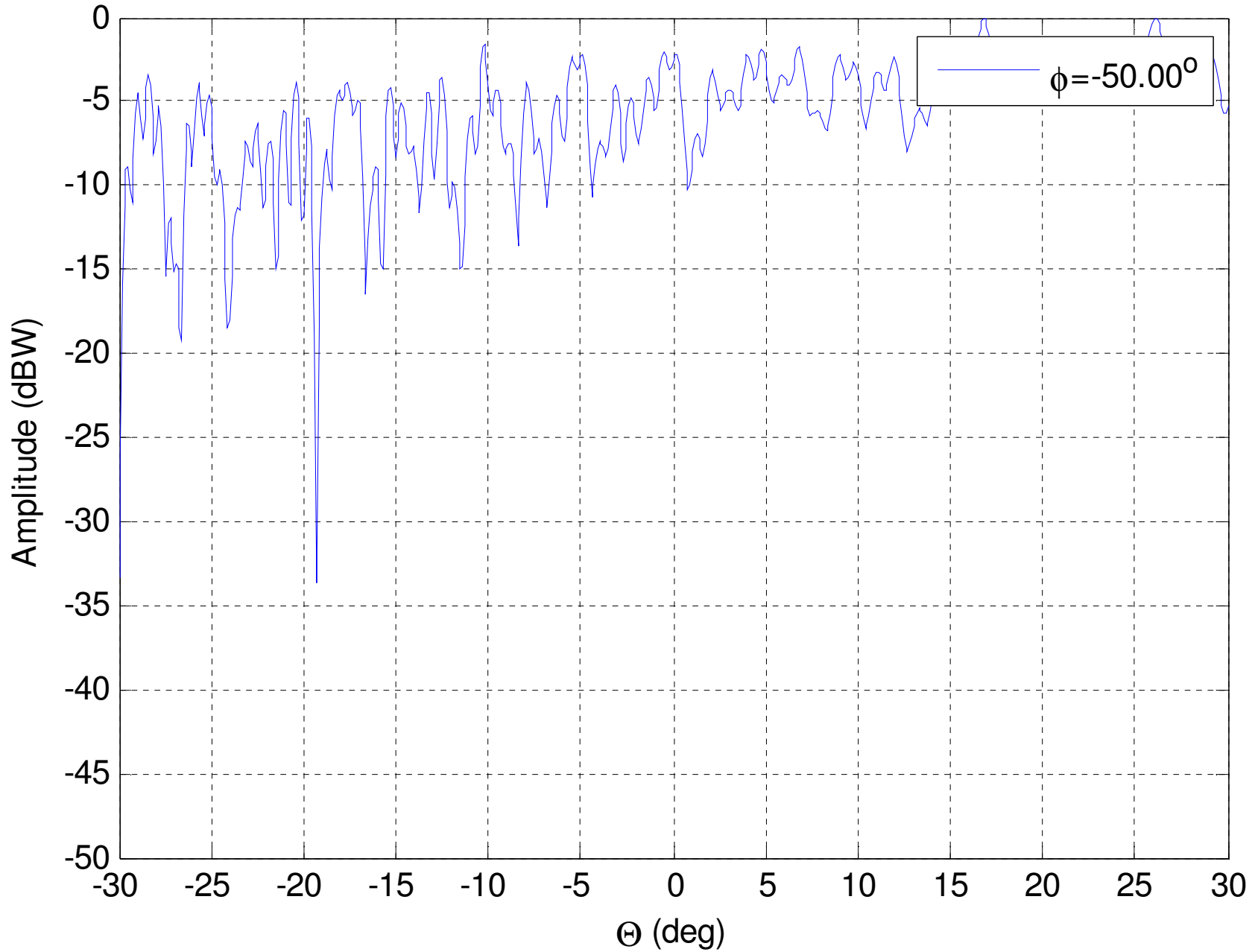
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--60.cut, Peak: -2.56 dBW, Date: 14-Oct-2011



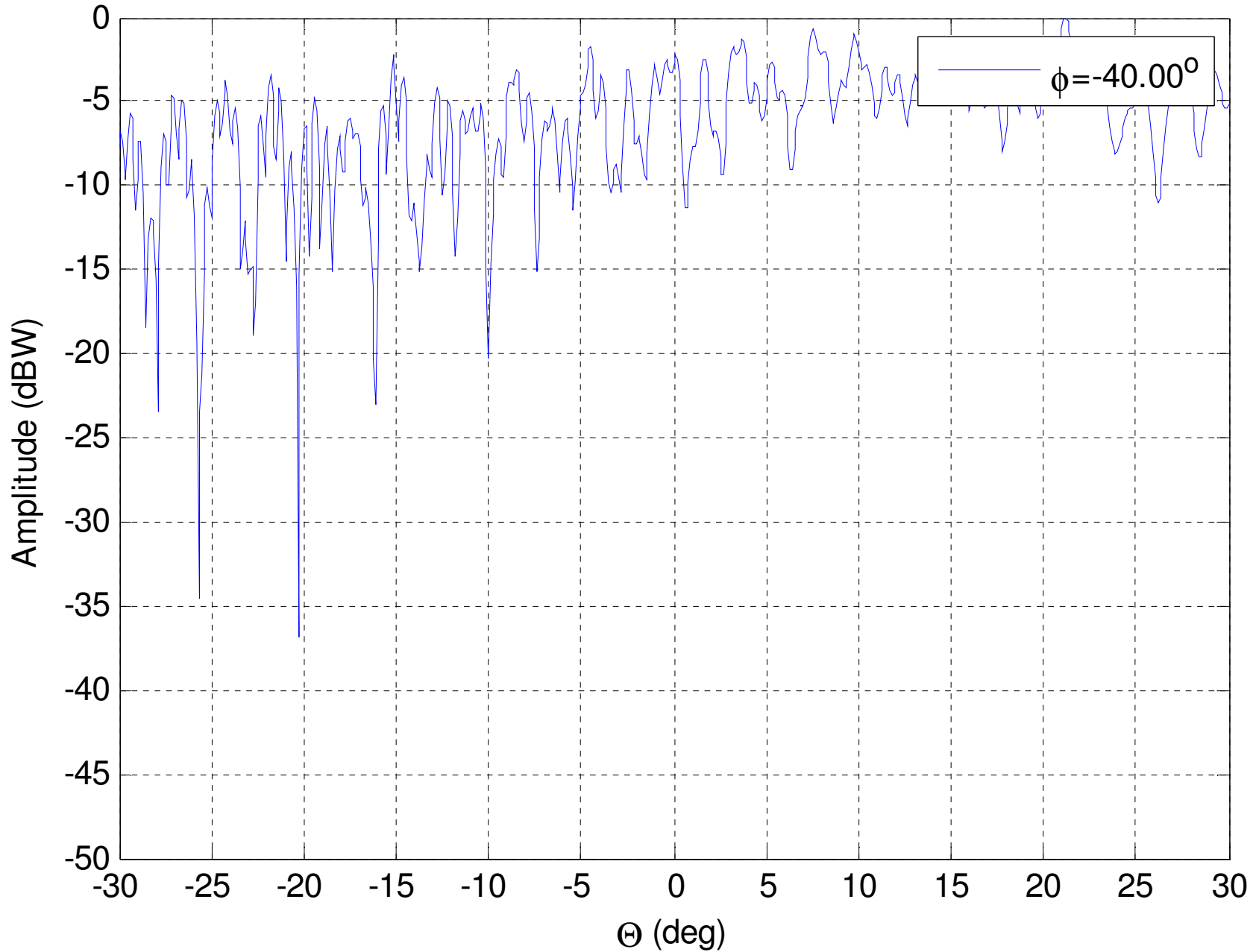
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--50.cut, Peak: -2.01 dBW, Date: 14-Oct-2011



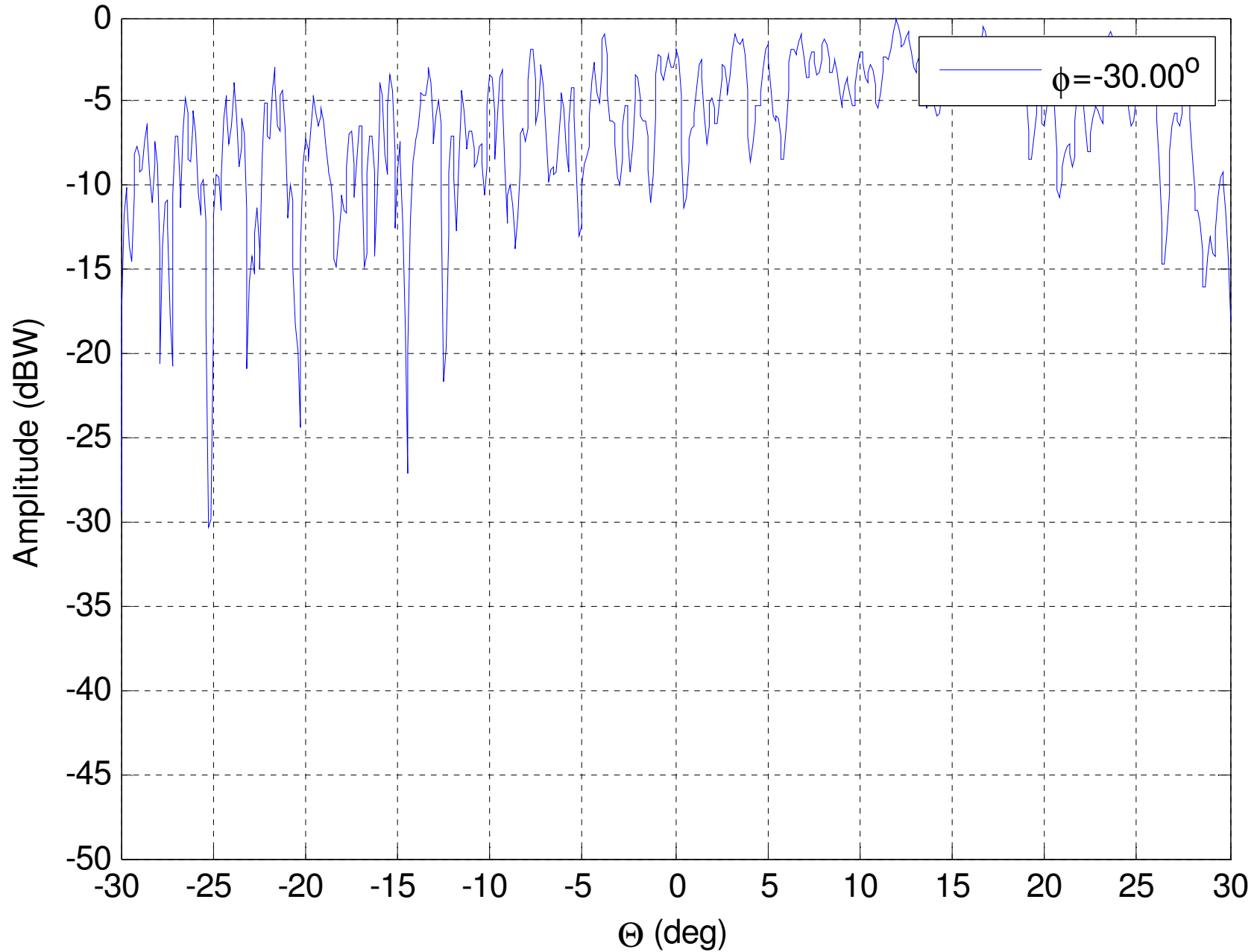
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--40.cut, Peak: -1.88 dBW, Date: 14-Oct-2011



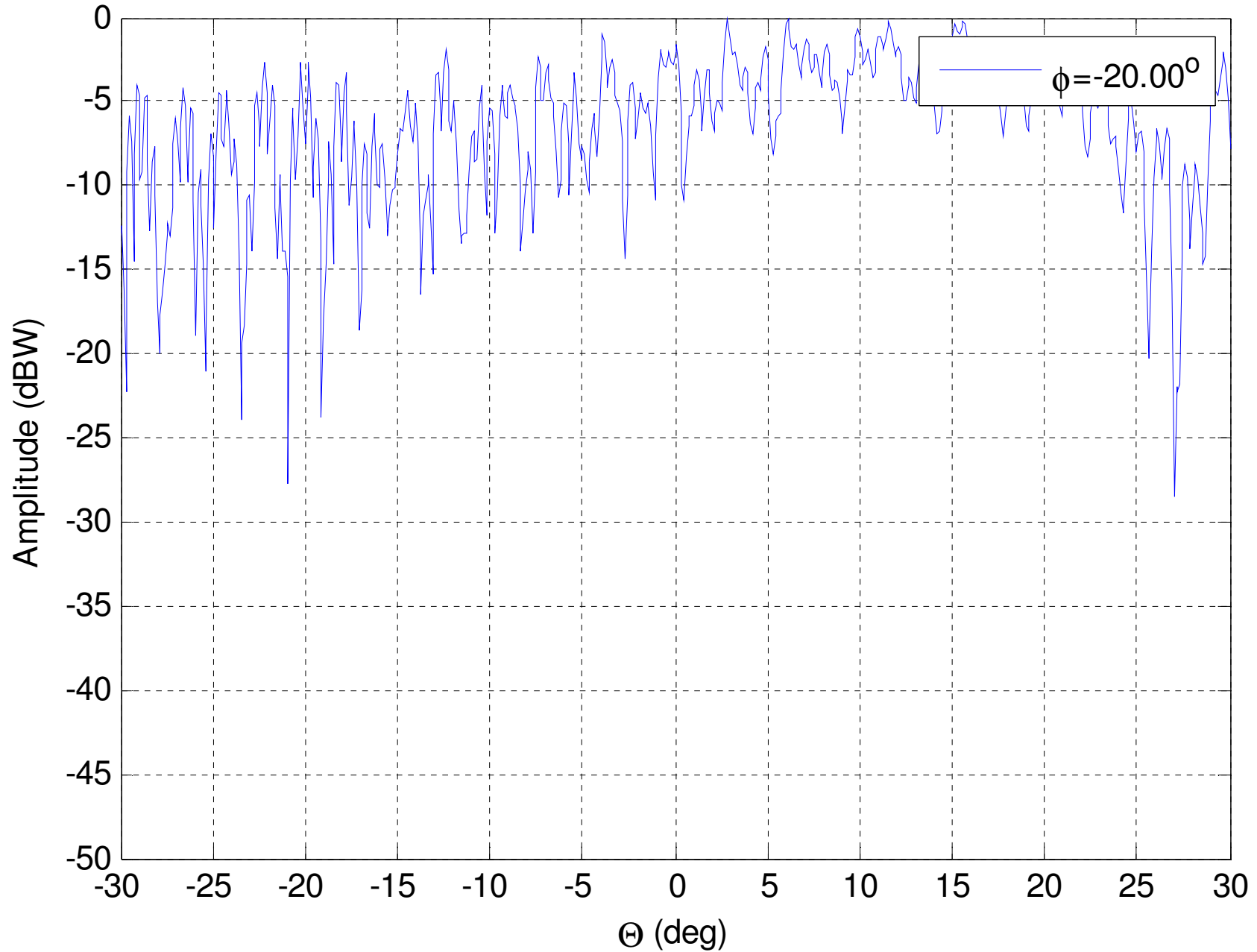
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--30.cut, Peak: -2.25 dBW, Date: 14-Oct-2011



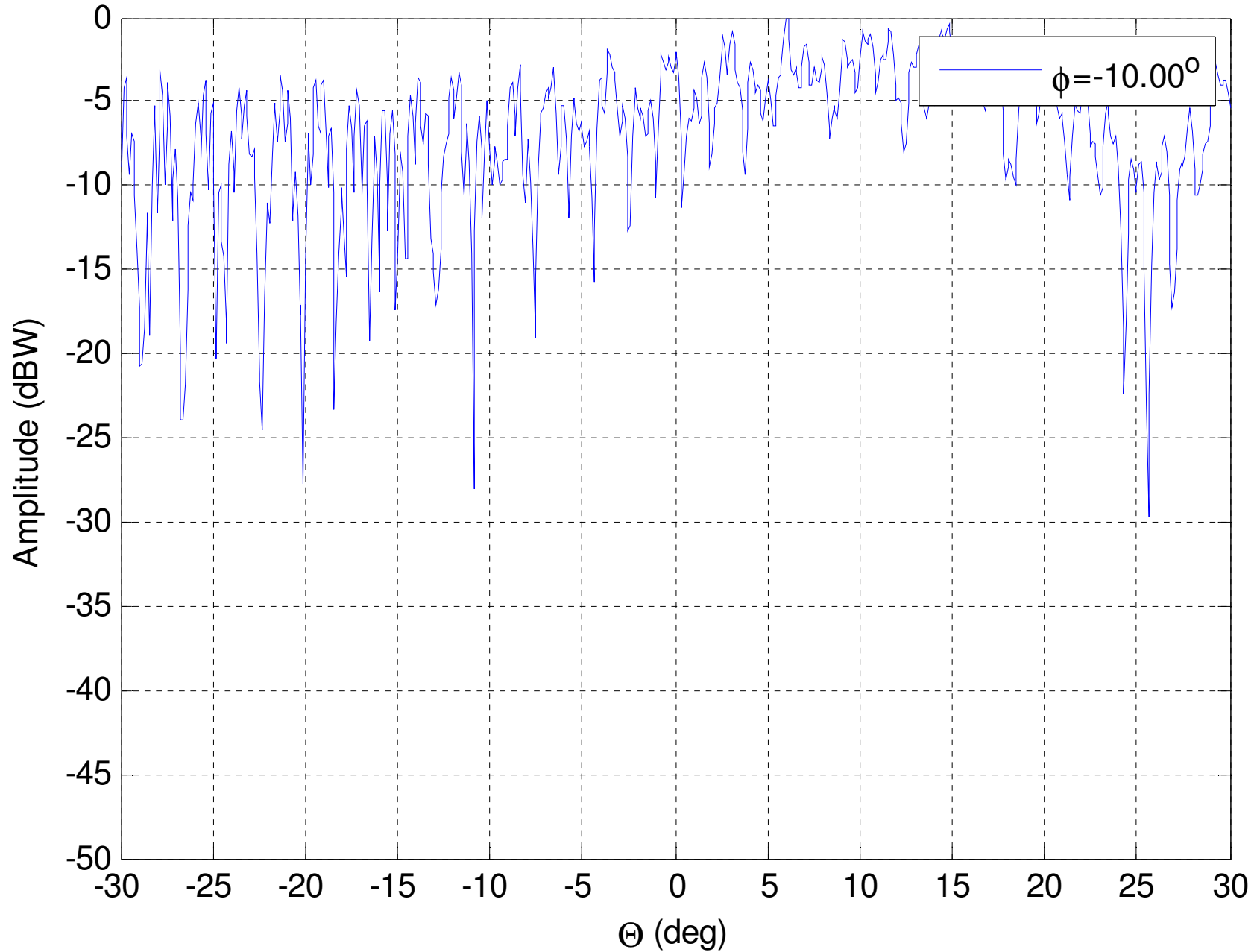
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--20.cut, Peak: -2.47 dBW, Date: 14-Oct-2011



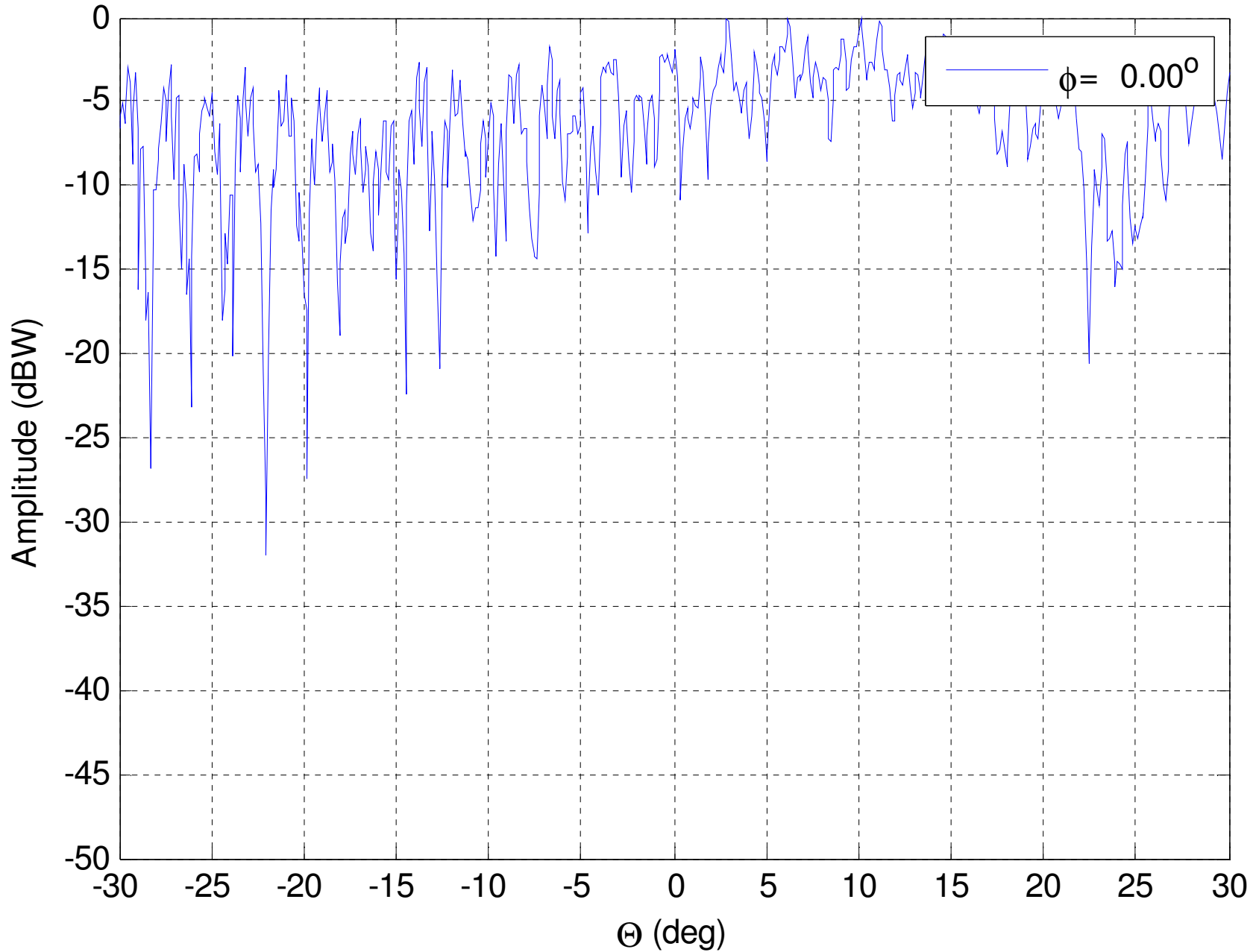
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--10.cut, Peak: -2.10 dBW, Date: 14-Oct-2011



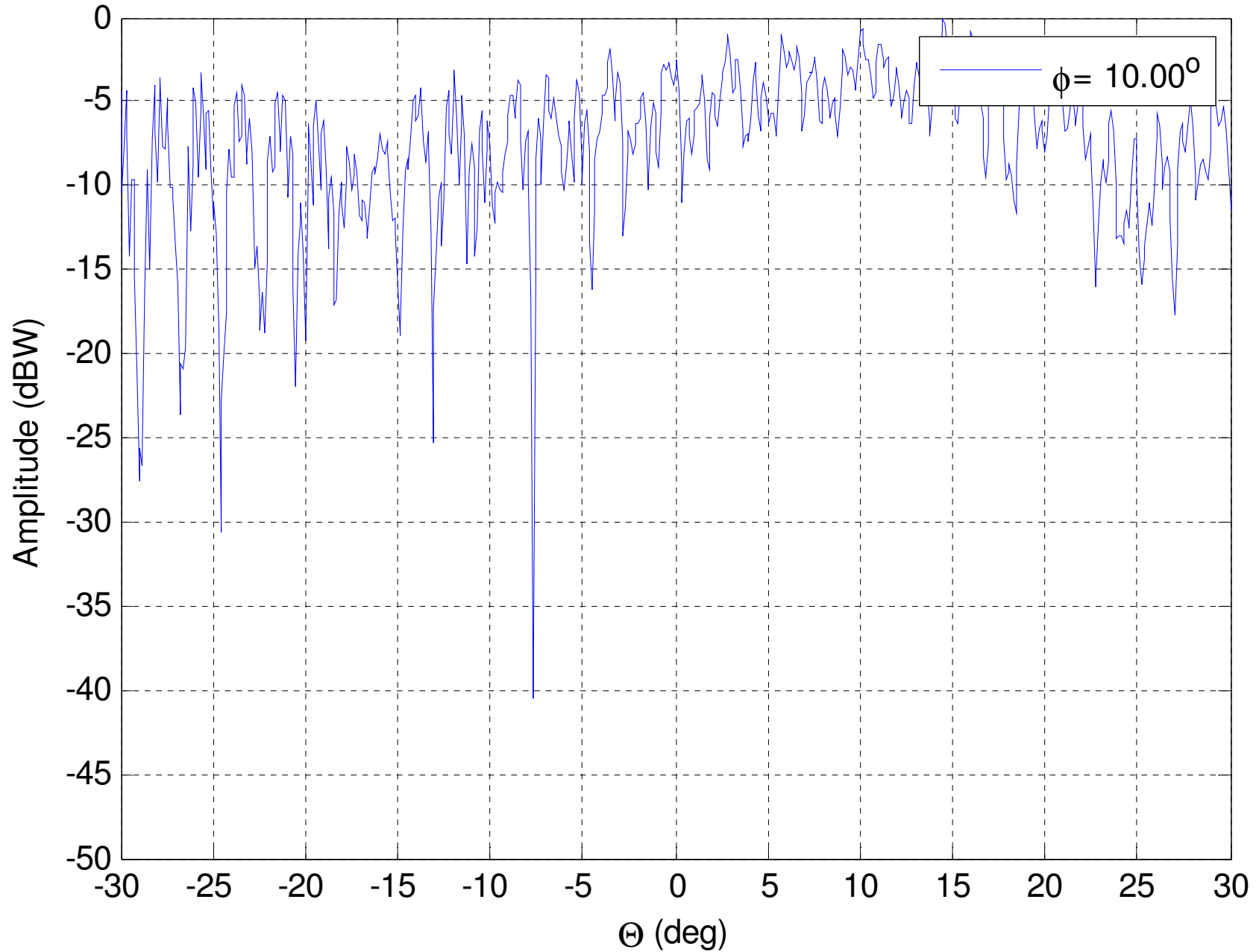
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-0.cut, Peak: -2.27 dBW, Date: 14-Oct-2011



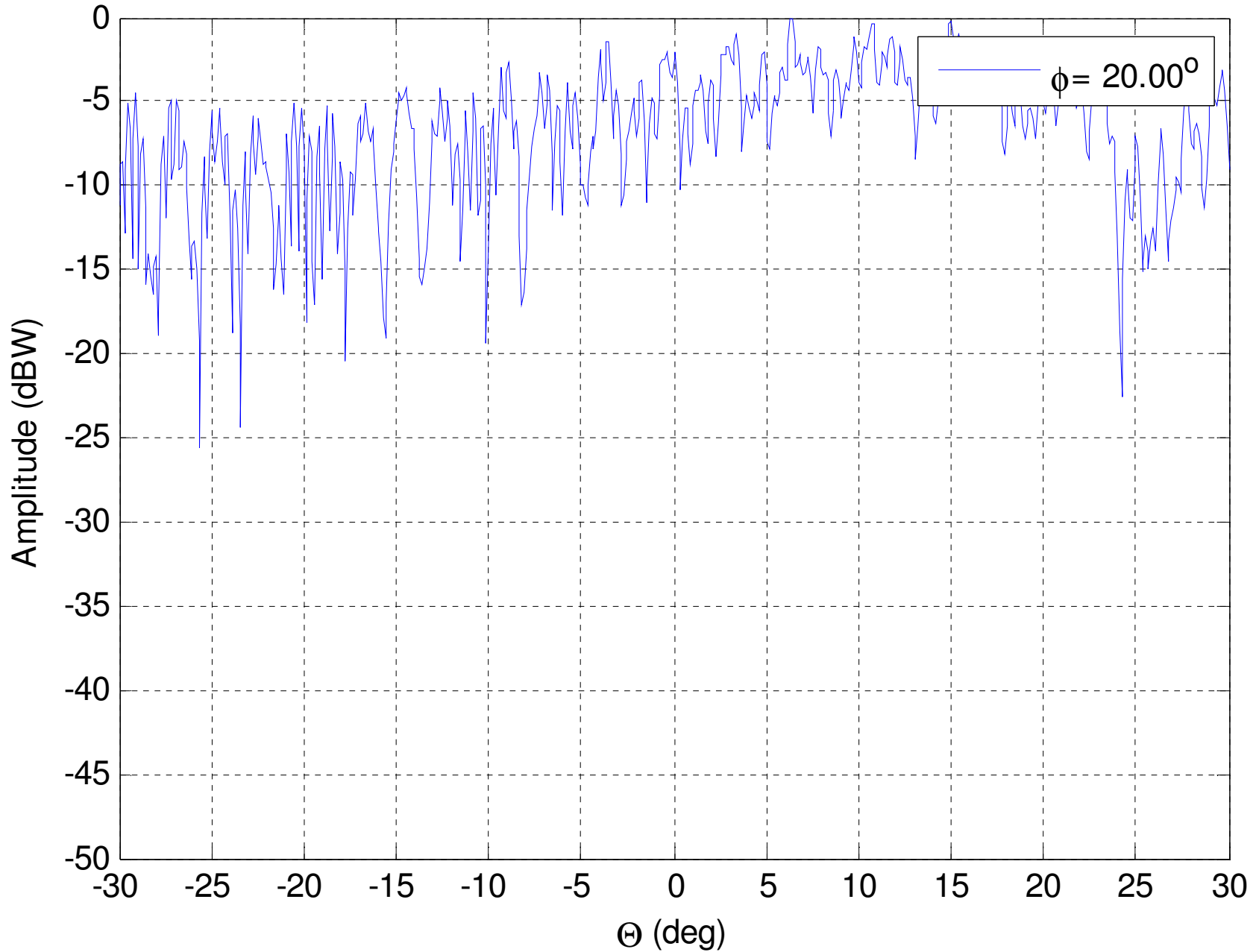
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-10.cut, Peak: -1.63 dBW, Date: 14-Oct-2011



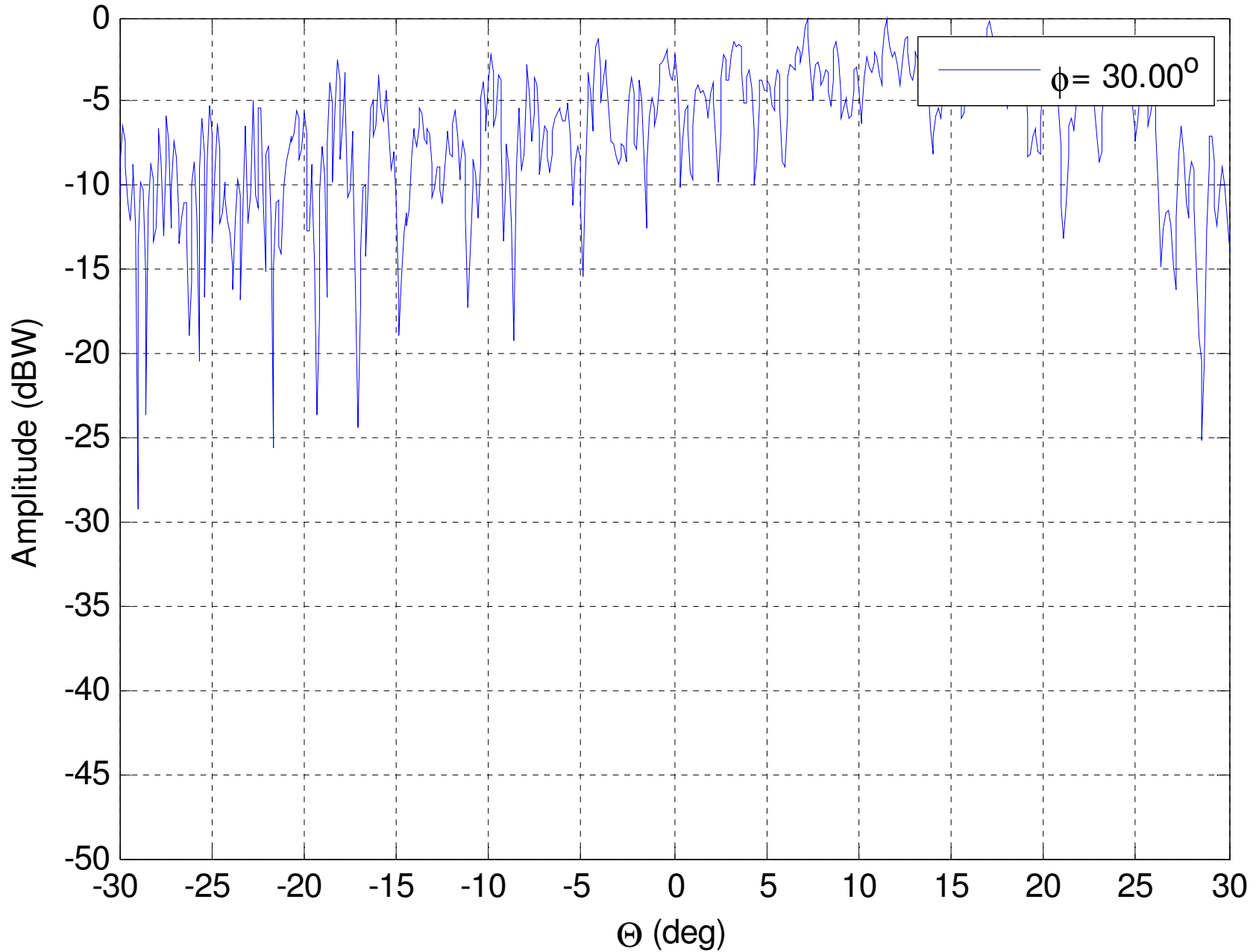
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-20.cut, Peak: -2.10 dBW, Date: 14-Oct-2011



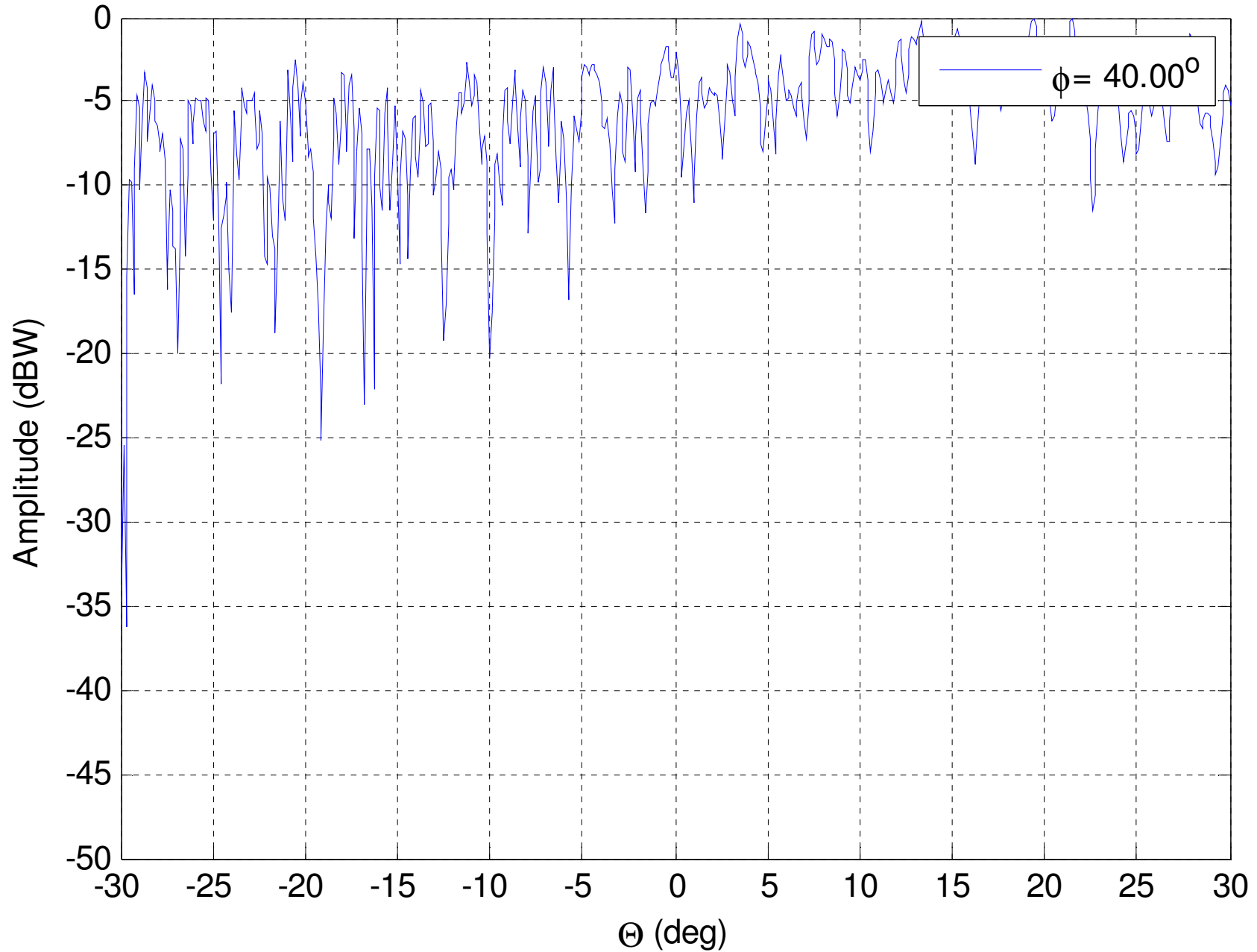
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-30.cut, Peak: -2.01 dBW, Date: 14-Oct-2011



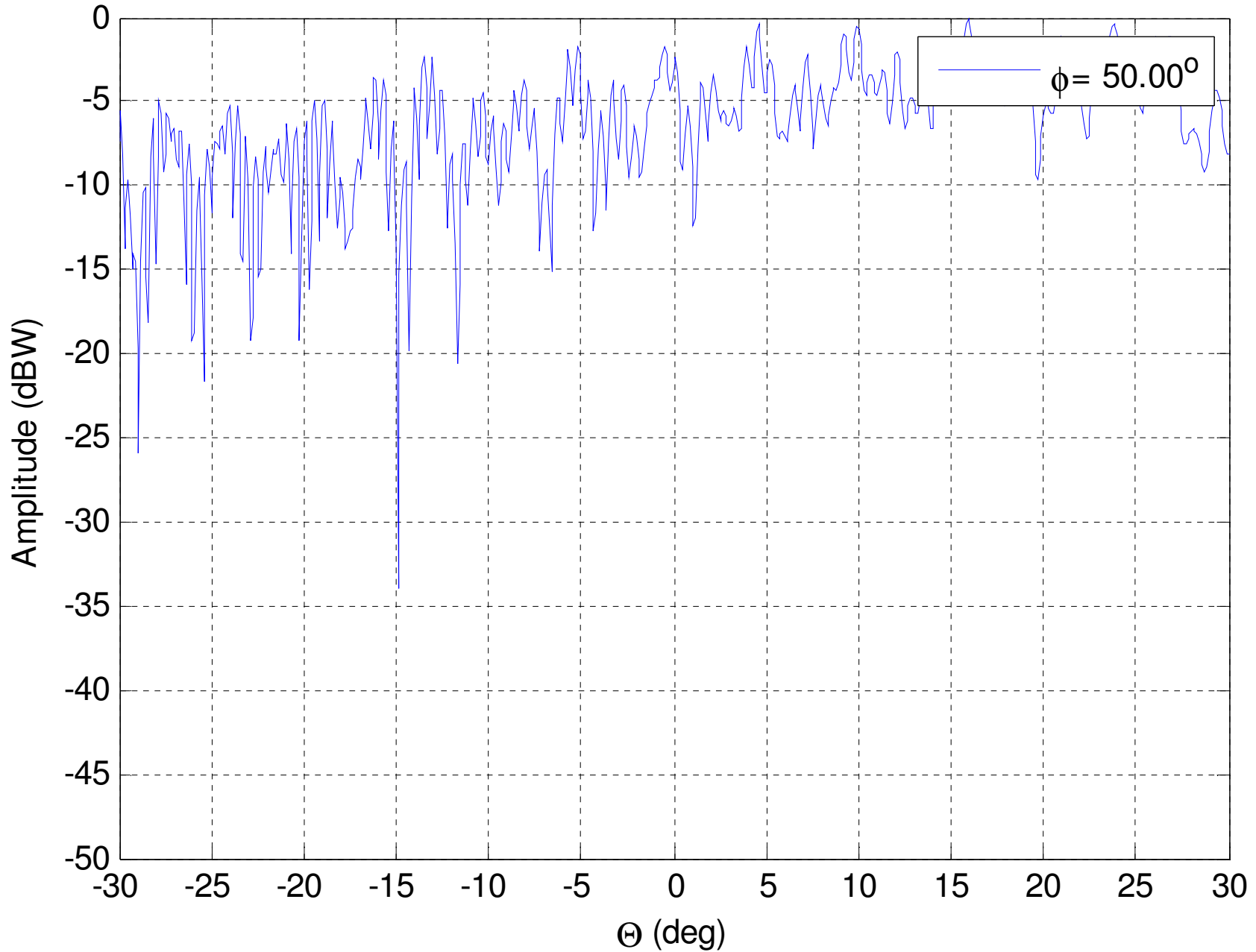
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-40.cut, Peak: -2.13 dBW, Date: 14-Oct-2011



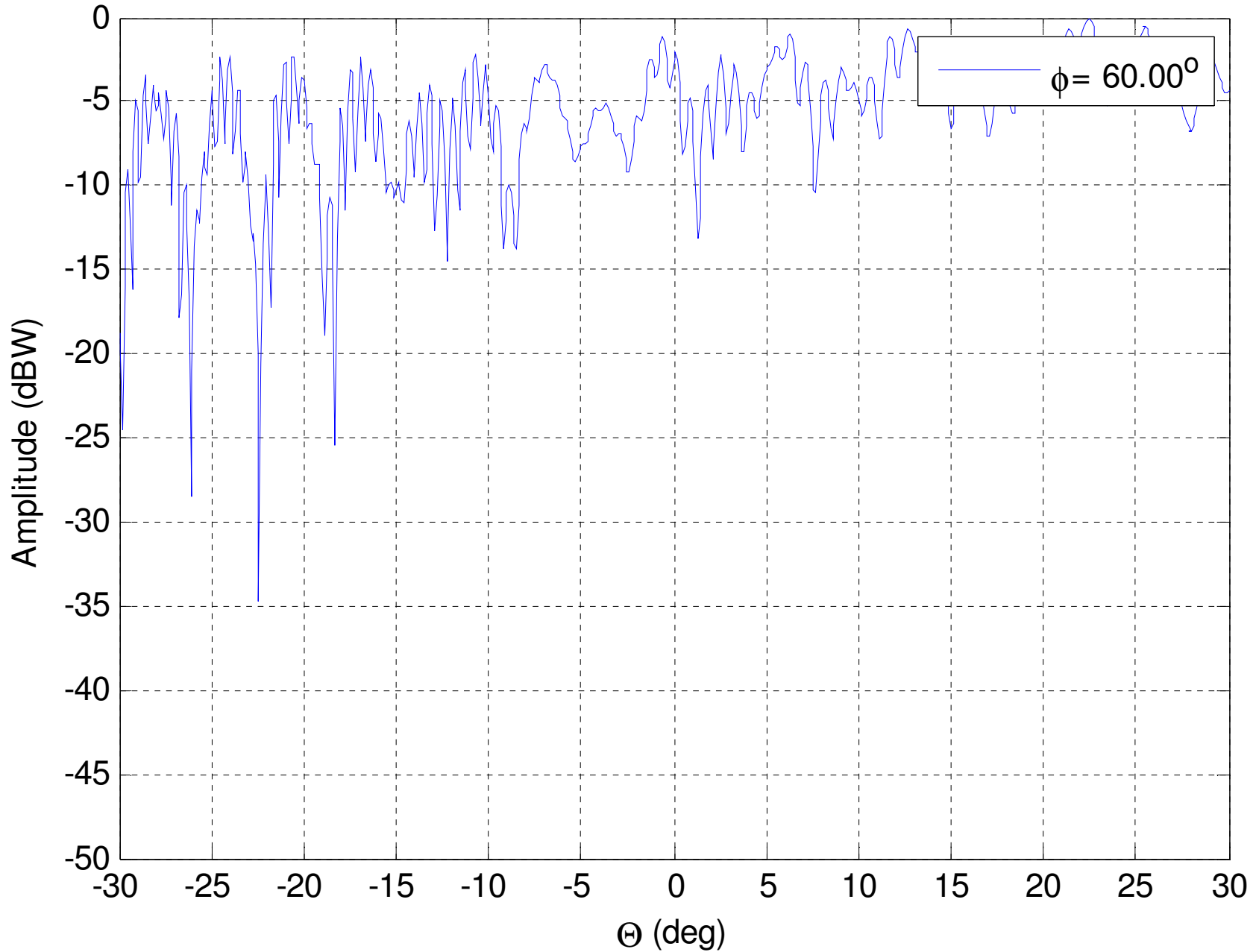
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-50.cut, Peak: -1.70 dBW, Date: 14-Oct-2011



Normalized pattern cuts - farfield

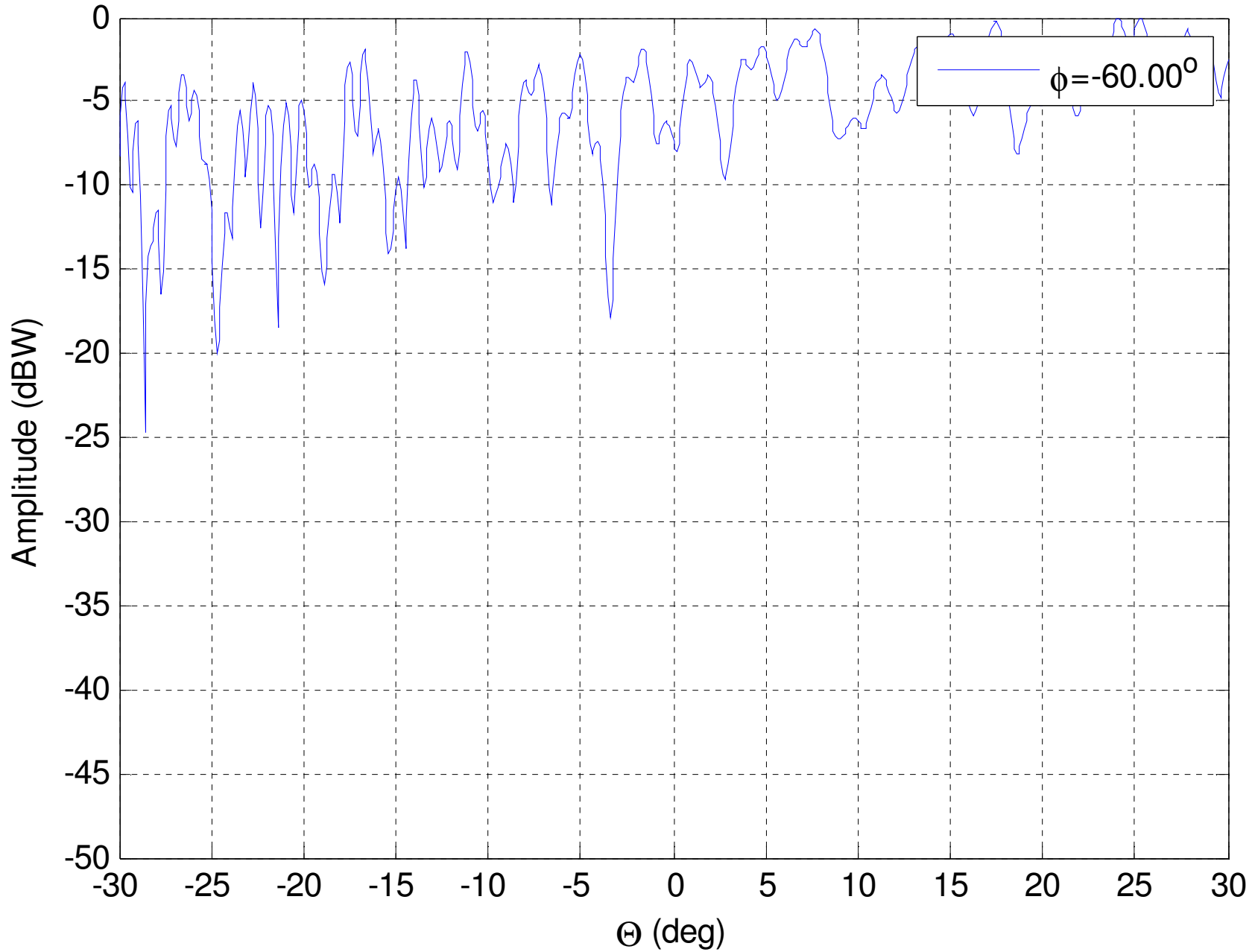
Input file: tx-17.5-lhcp-60.cut, Peak: -2.05 dBW, Date: 14-Oct-2011



RHCP at 17.695 GHz

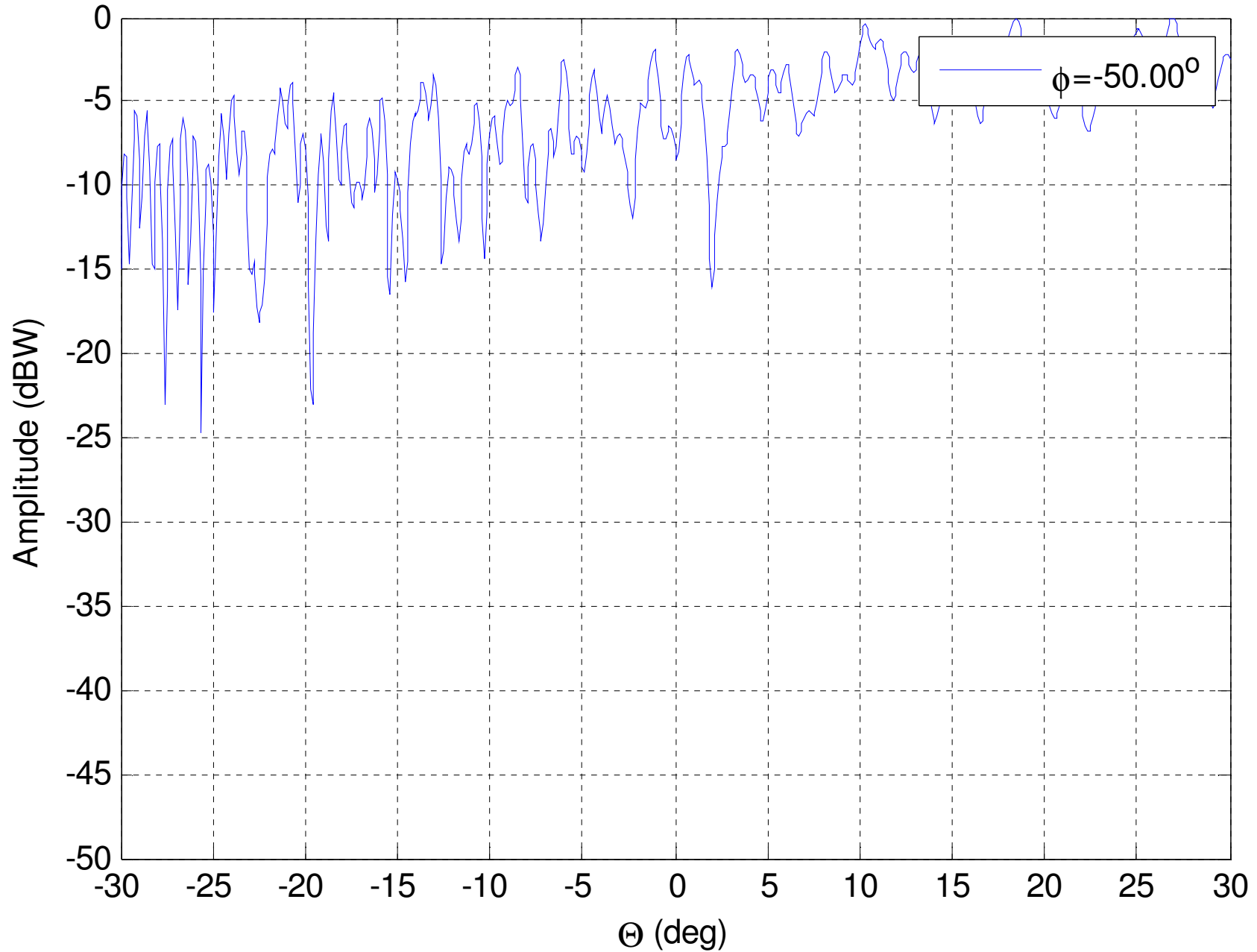
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--60.cut, Peak: -2.32 dBW, Date: 14-Oct-2011



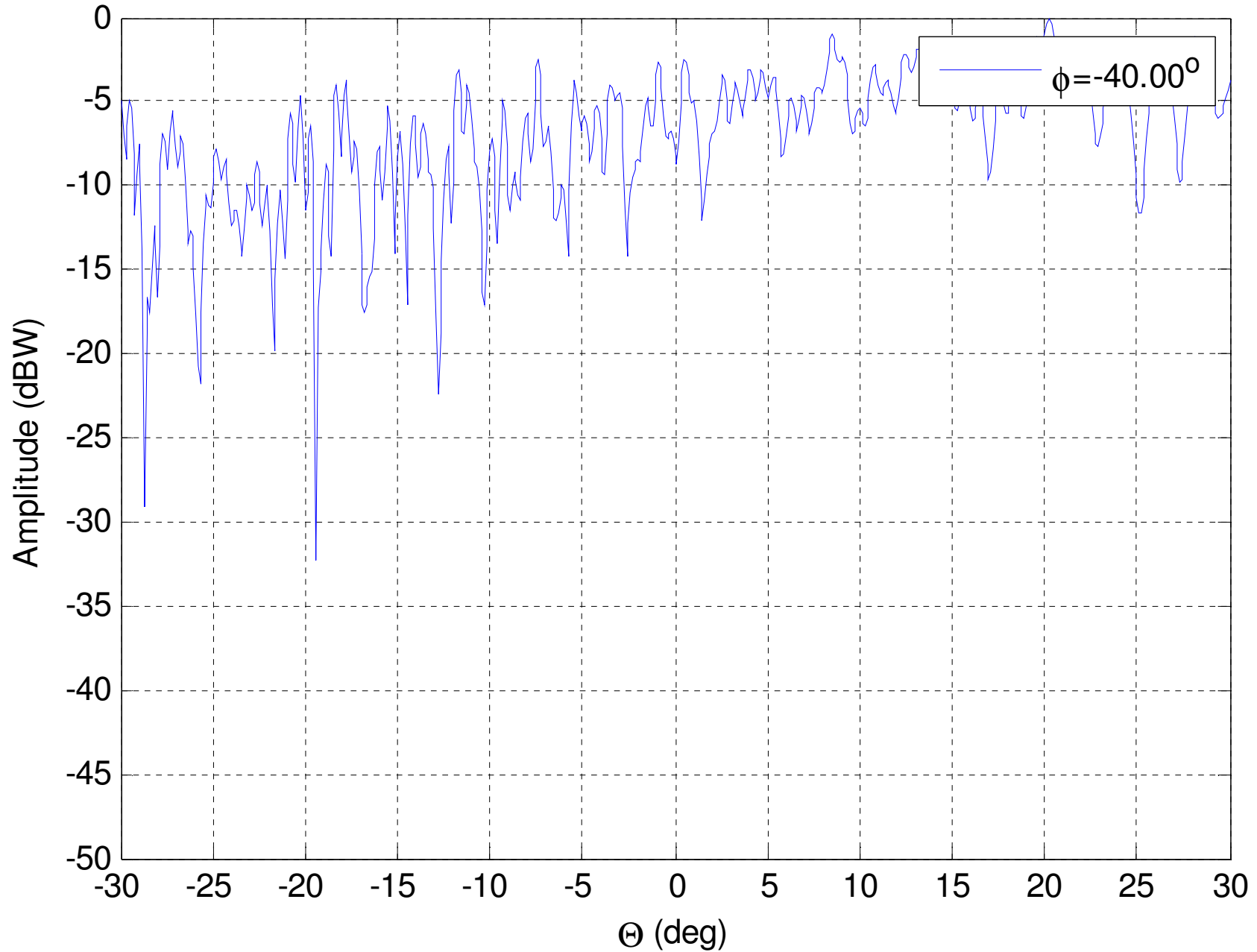
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--50.cut, Peak: -1.90 dBW, Date: 14-Oct-2011



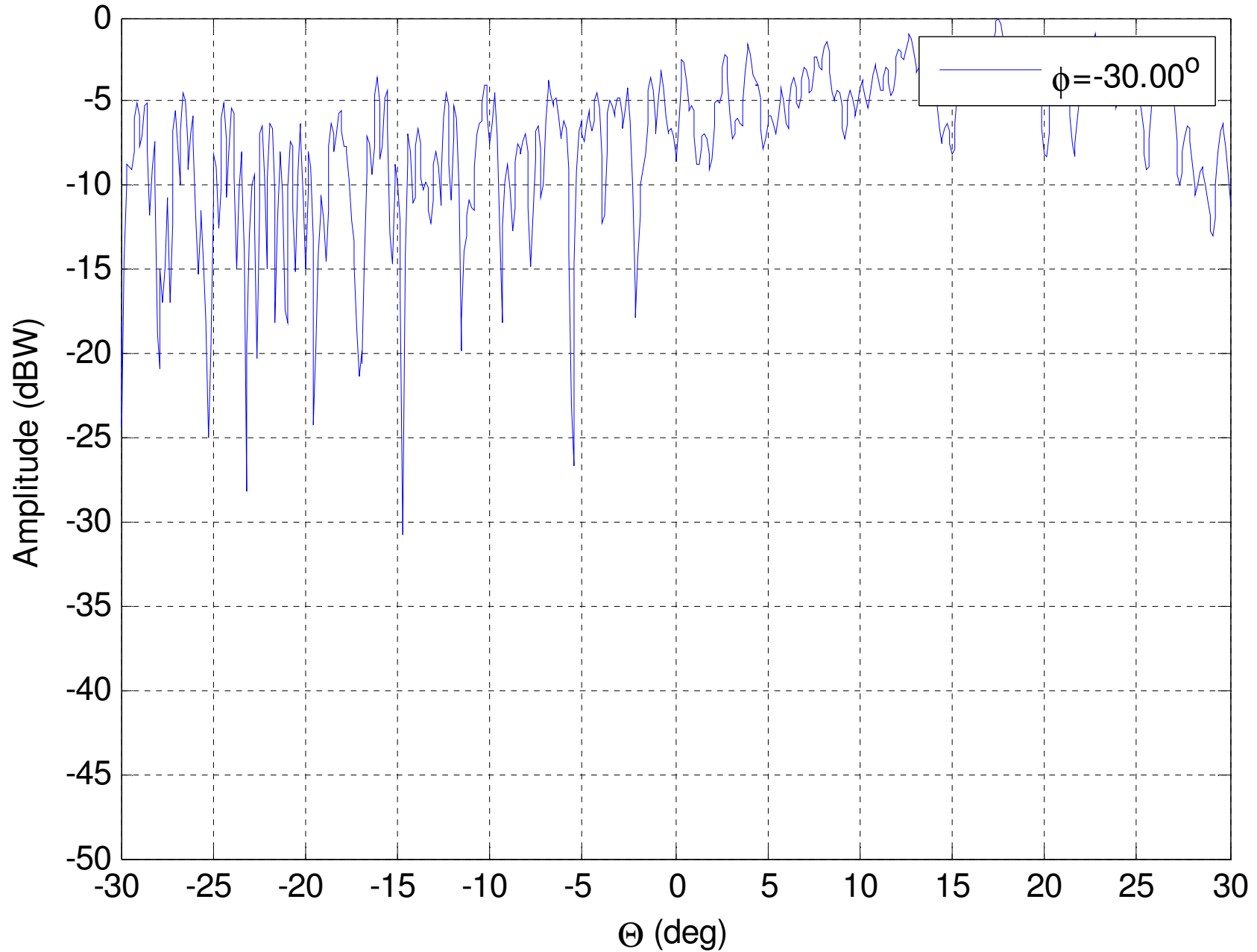
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--40.cut, Peak: -1.47 dBW, Date: 14-Oct-2011



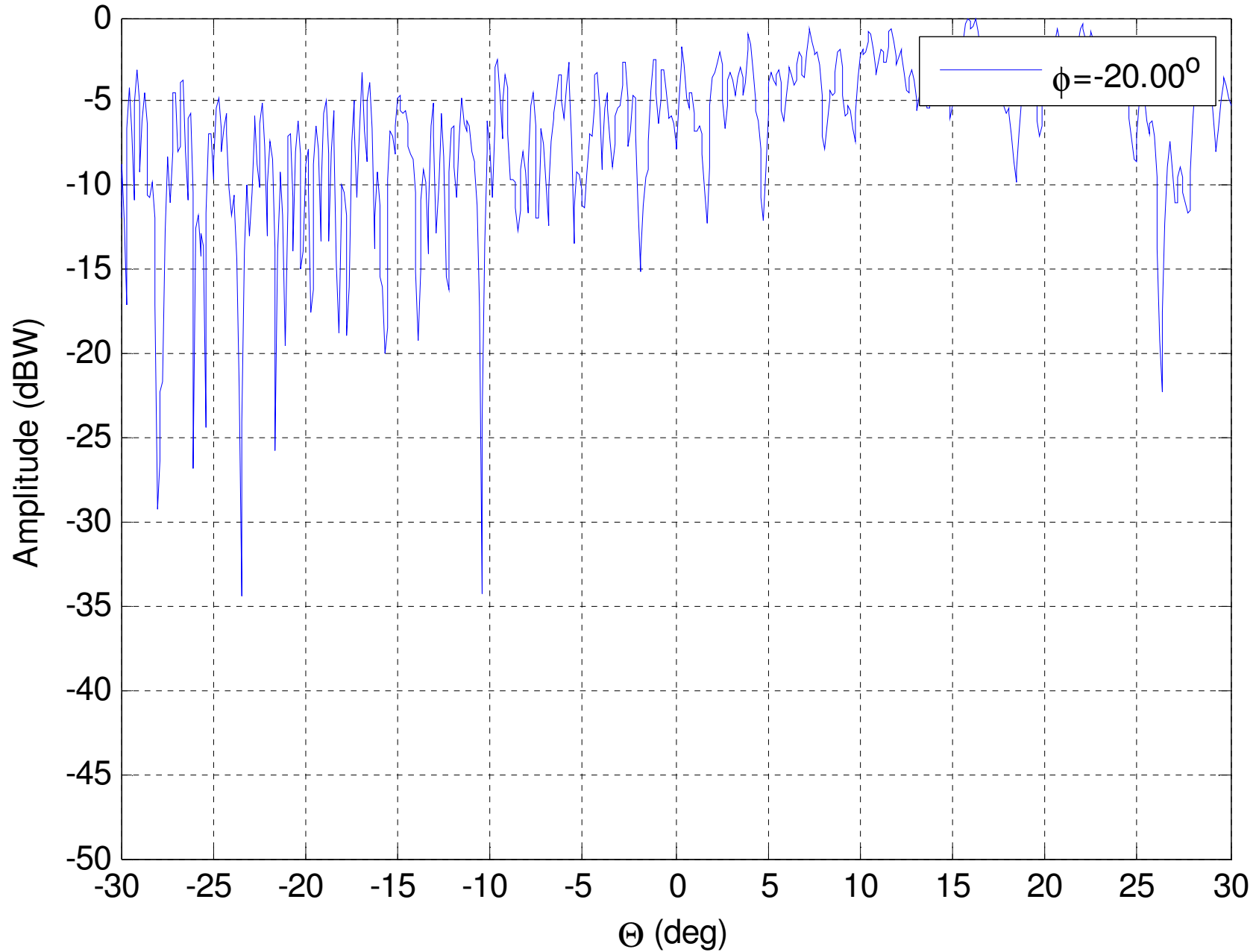
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--30.cut, Peak: -1.47 dBW, Date: 14-Oct-2011



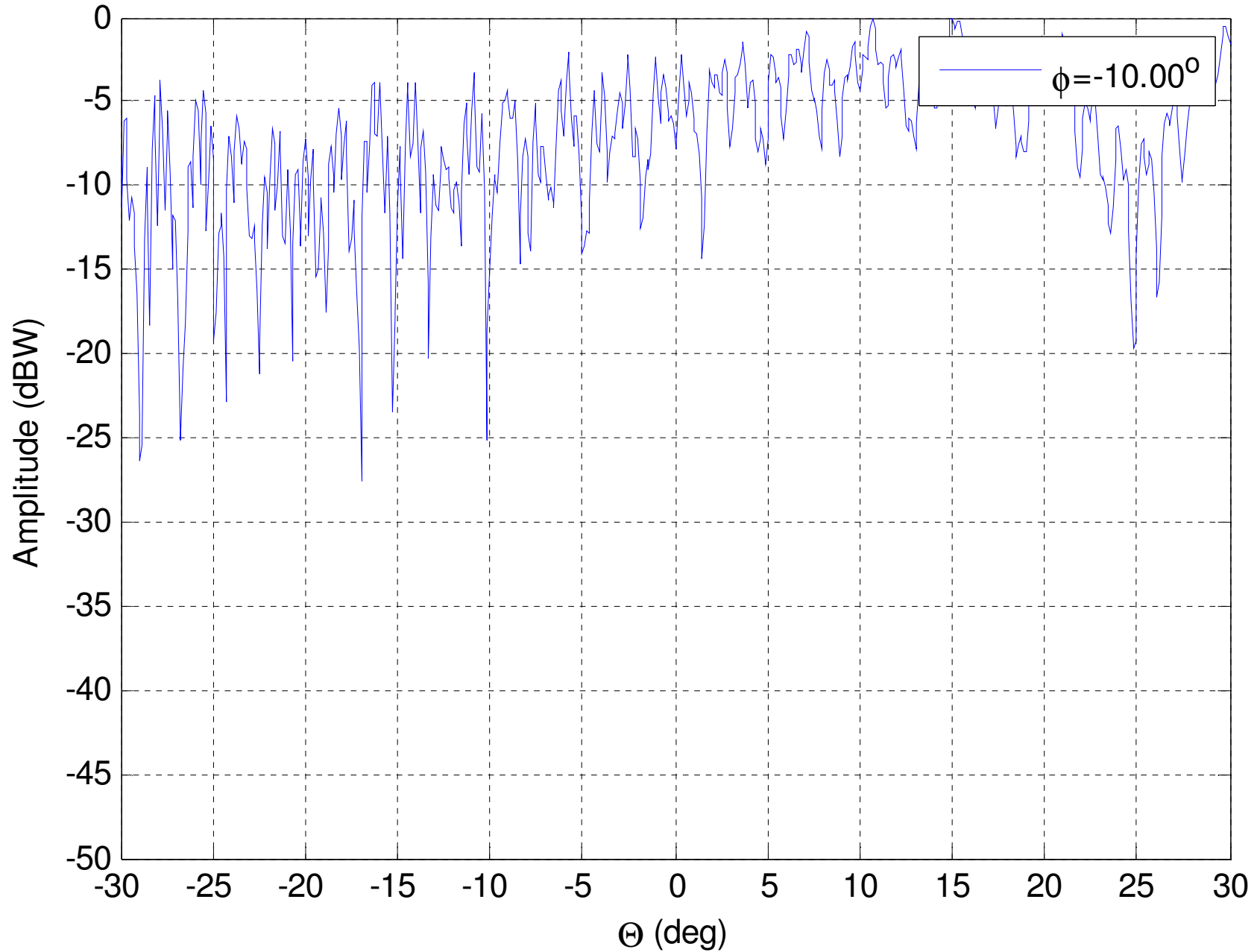
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--20.cut, Peak: -2.10 dBW, Date: 14-Oct-2011



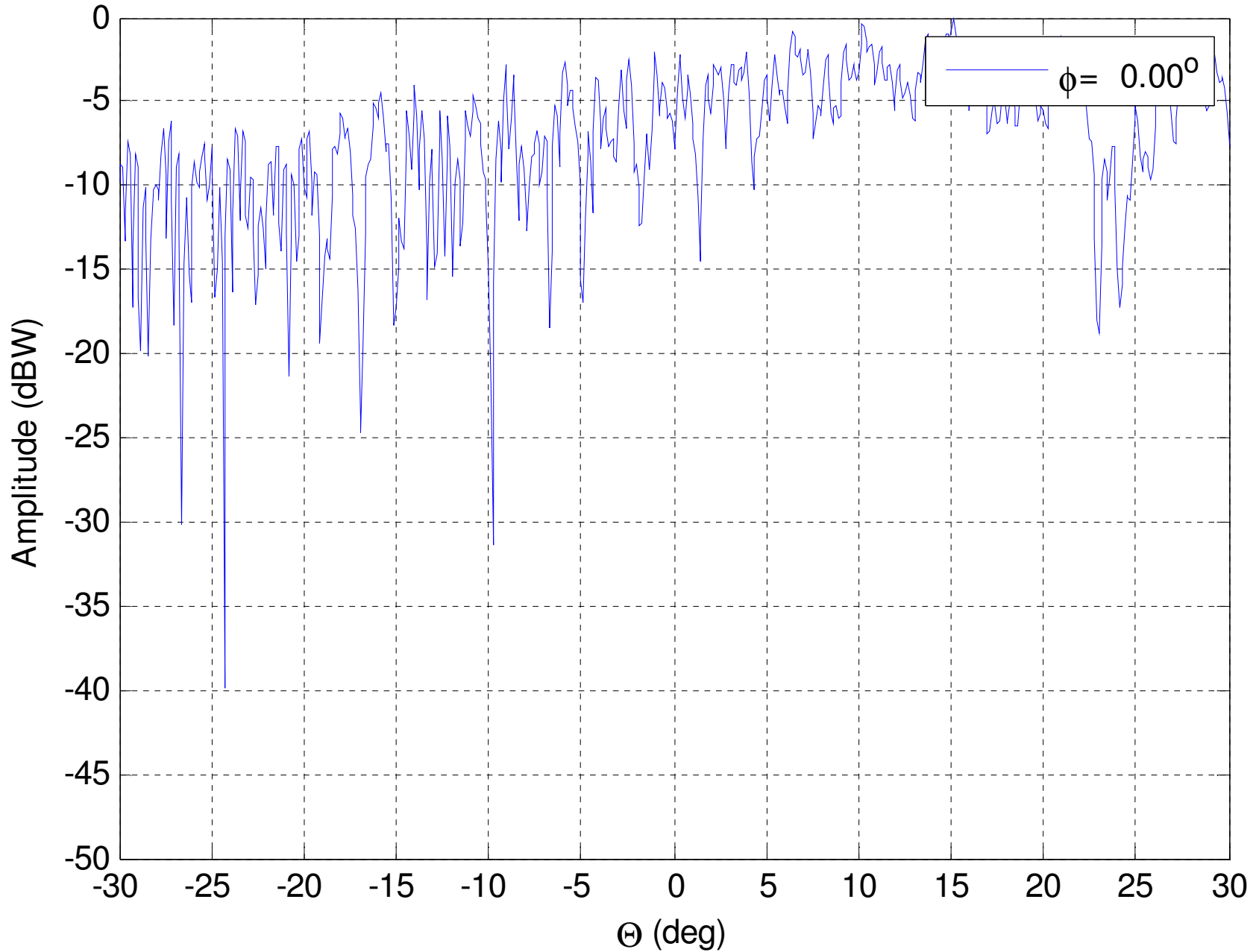
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--10.cut, Peak: -1.93 dBW, Date: 14-Oct-2011



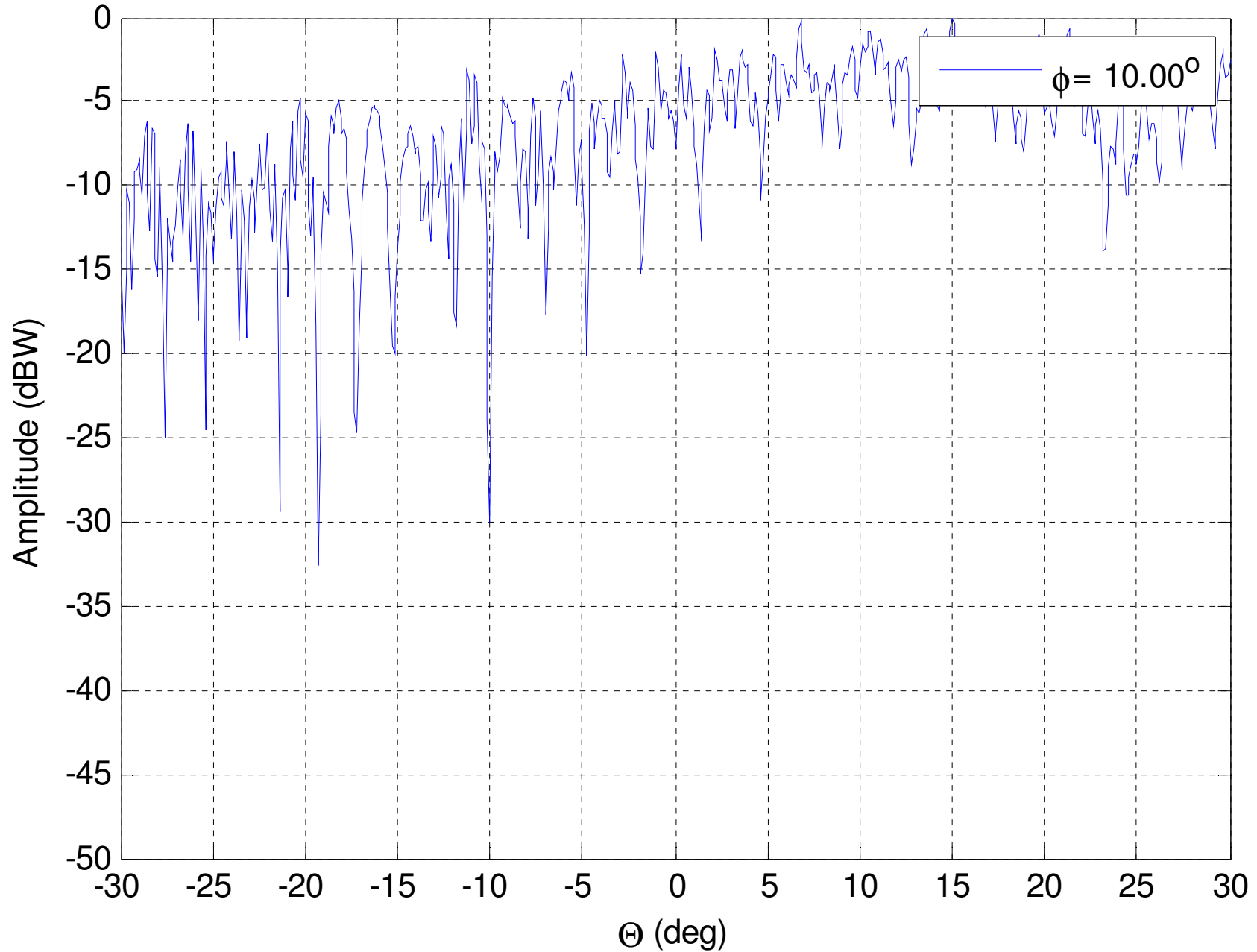
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-0.cut, Peak: -1.93 dBW, Date: 14-Oct-2011



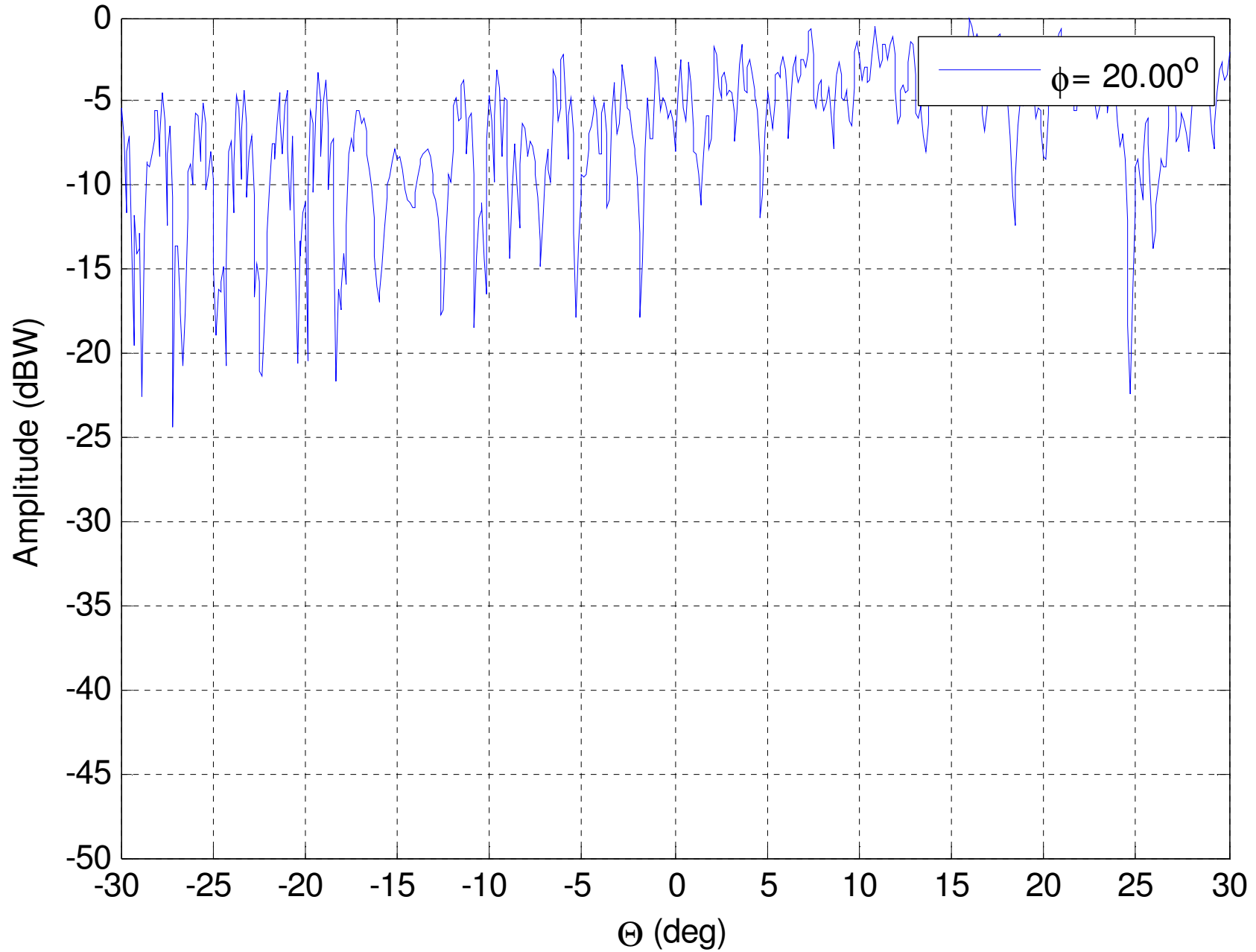
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-10.cut, Peak: -1.94 dBW, Date: 14-Oct-2011



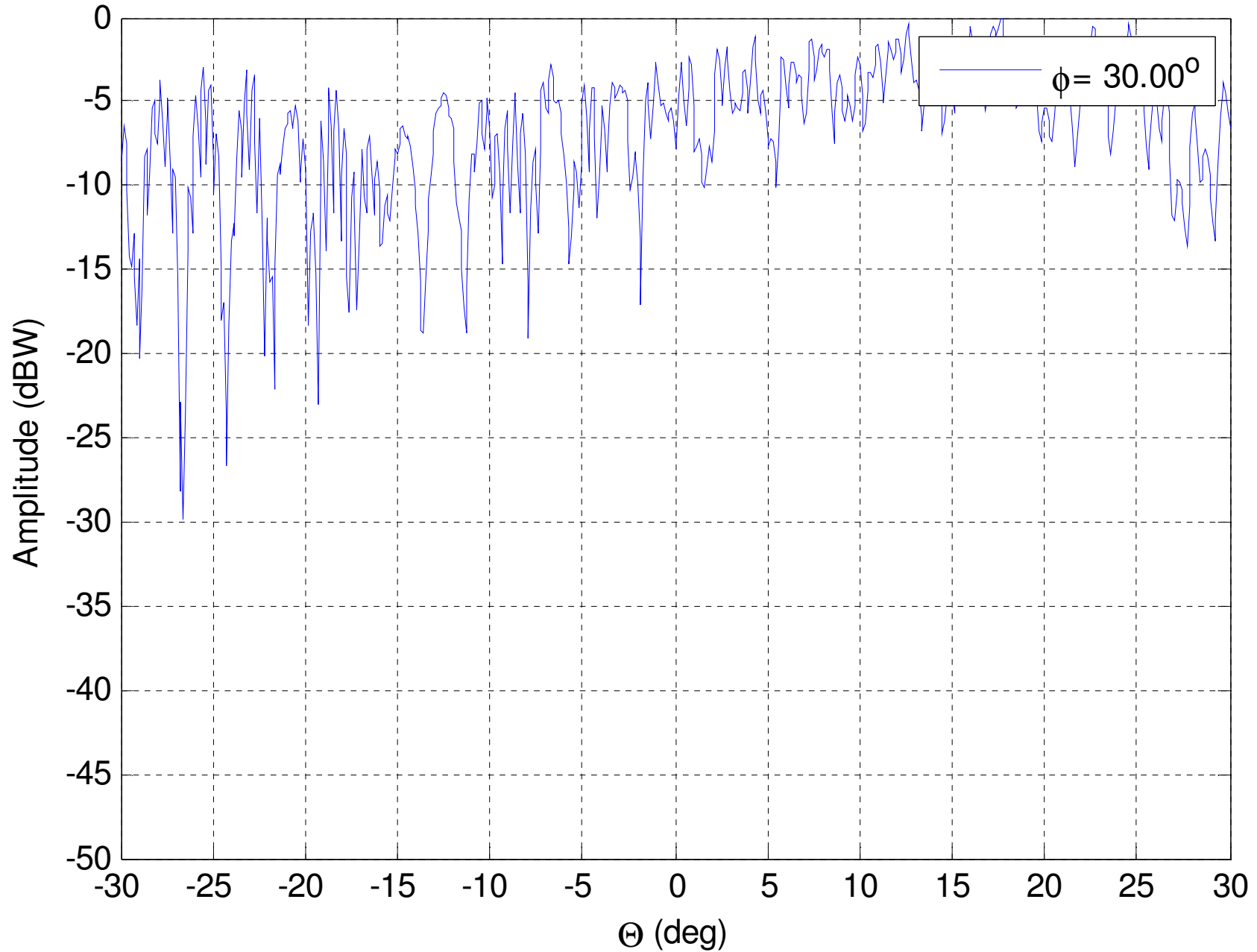
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-20.cut, Peak: -1.84 dBW, Date: 14-Oct-2011



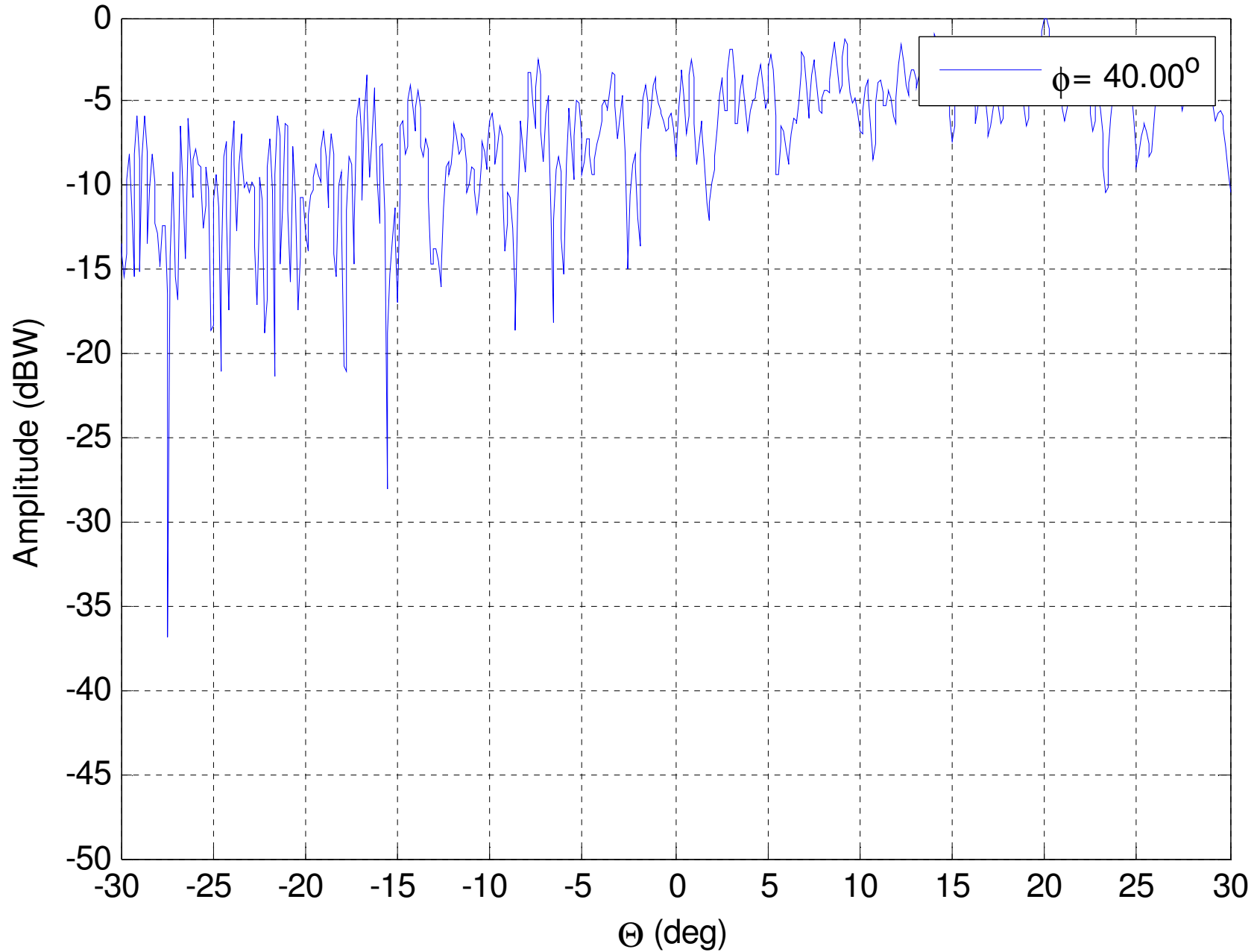
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-30.cut, Peak: -1.87 dBW, Date: 14-Oct-2011



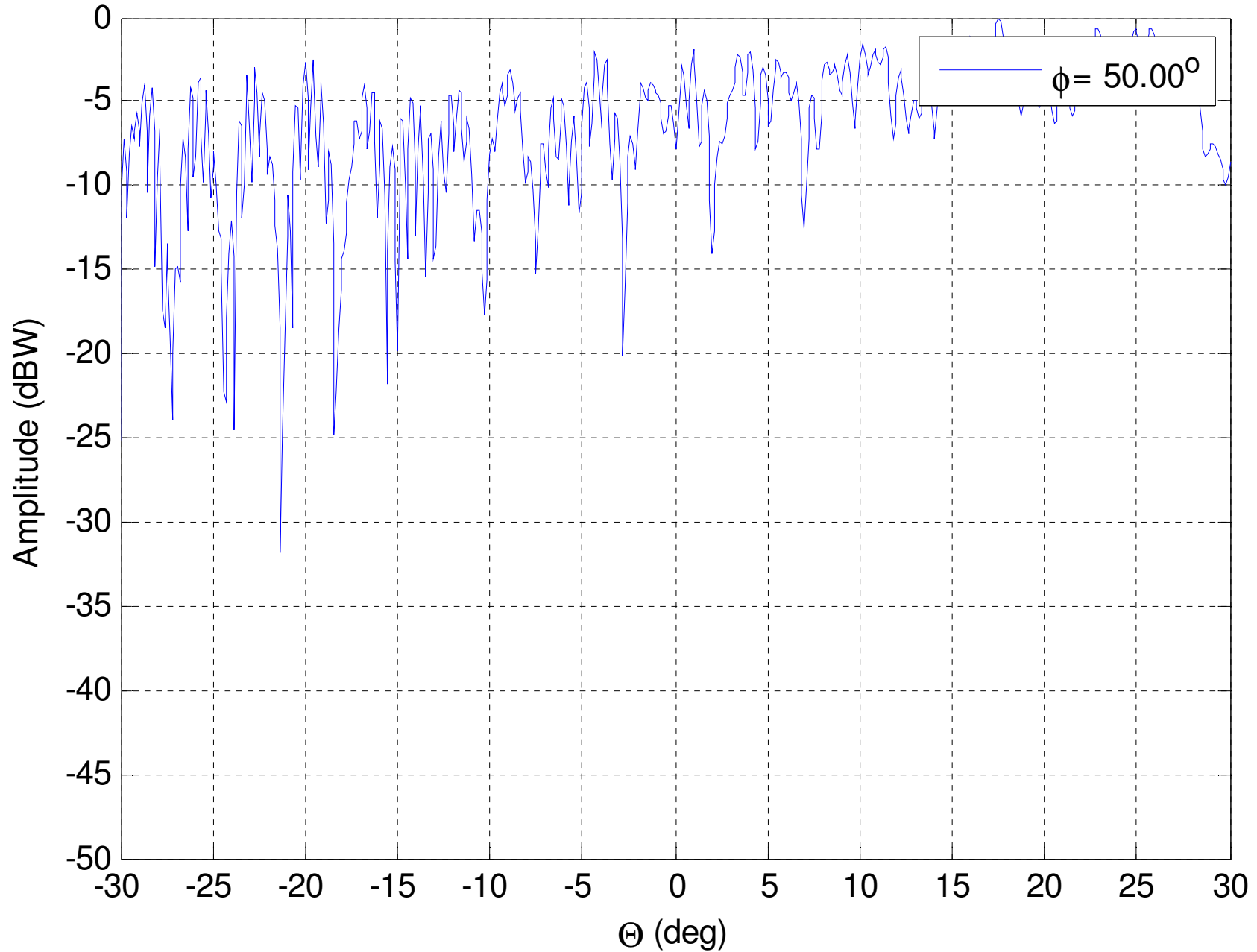
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-40.cut, Peak: -1.43 dBW, Date: 14-Oct-2011



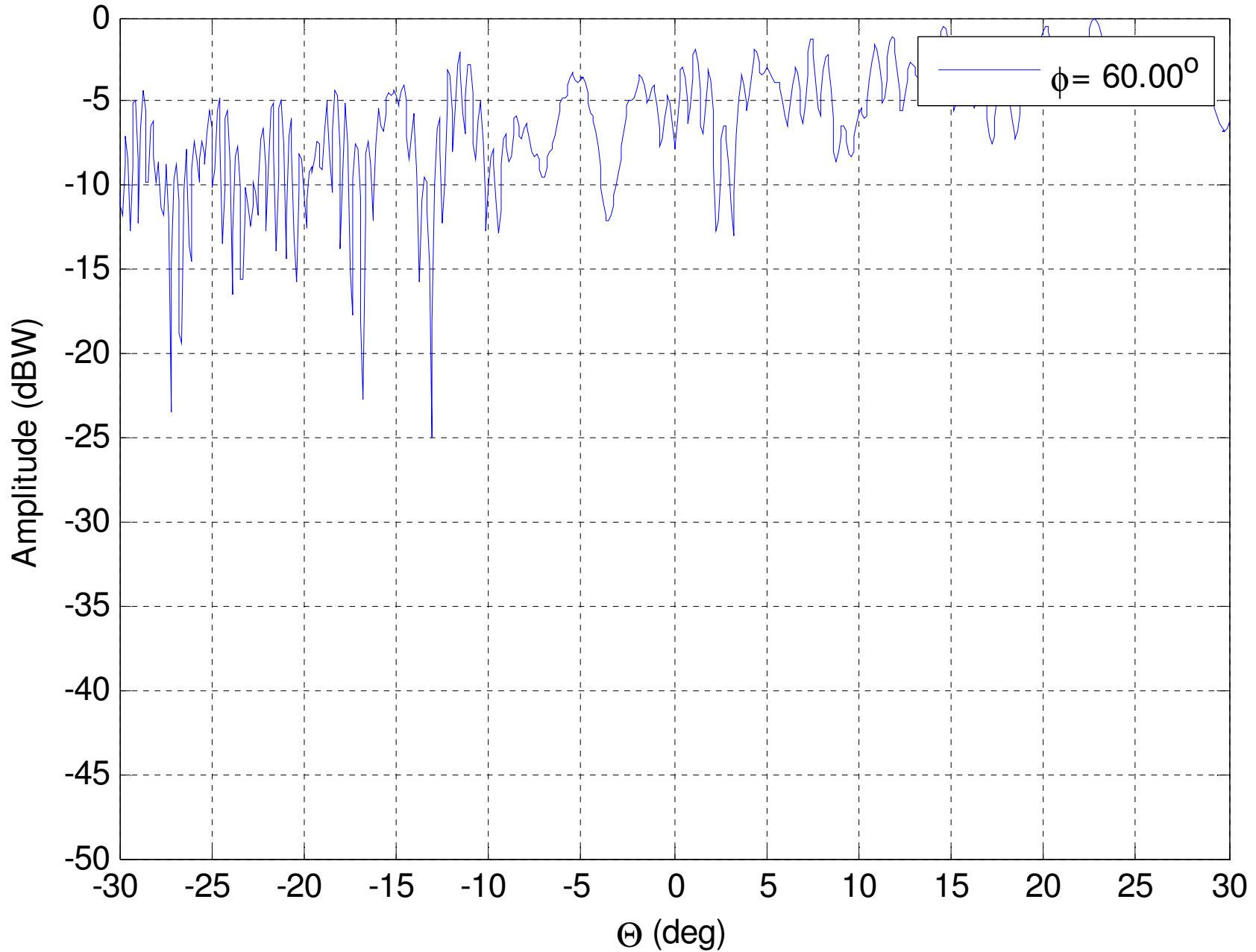
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-50.cut, Peak: -1.86 dBW, Date: 14-Oct-2011



Normalized pattern cuts - farfield

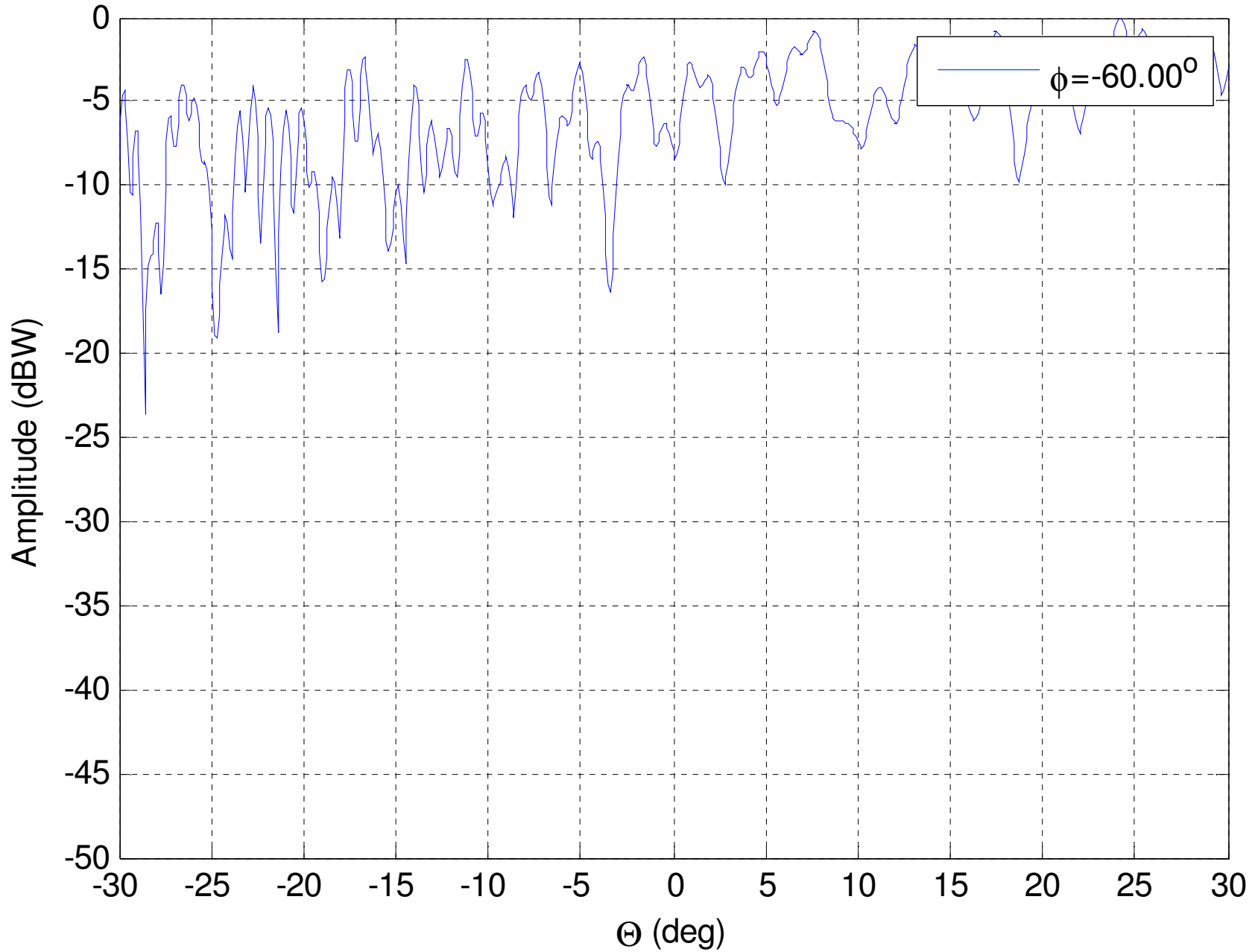
Input file: tx-17.7-rhcp-60.cut, Peak: -2.04 dBW, Date: 14-Oct-2011



LHCP at 17.695 GHz

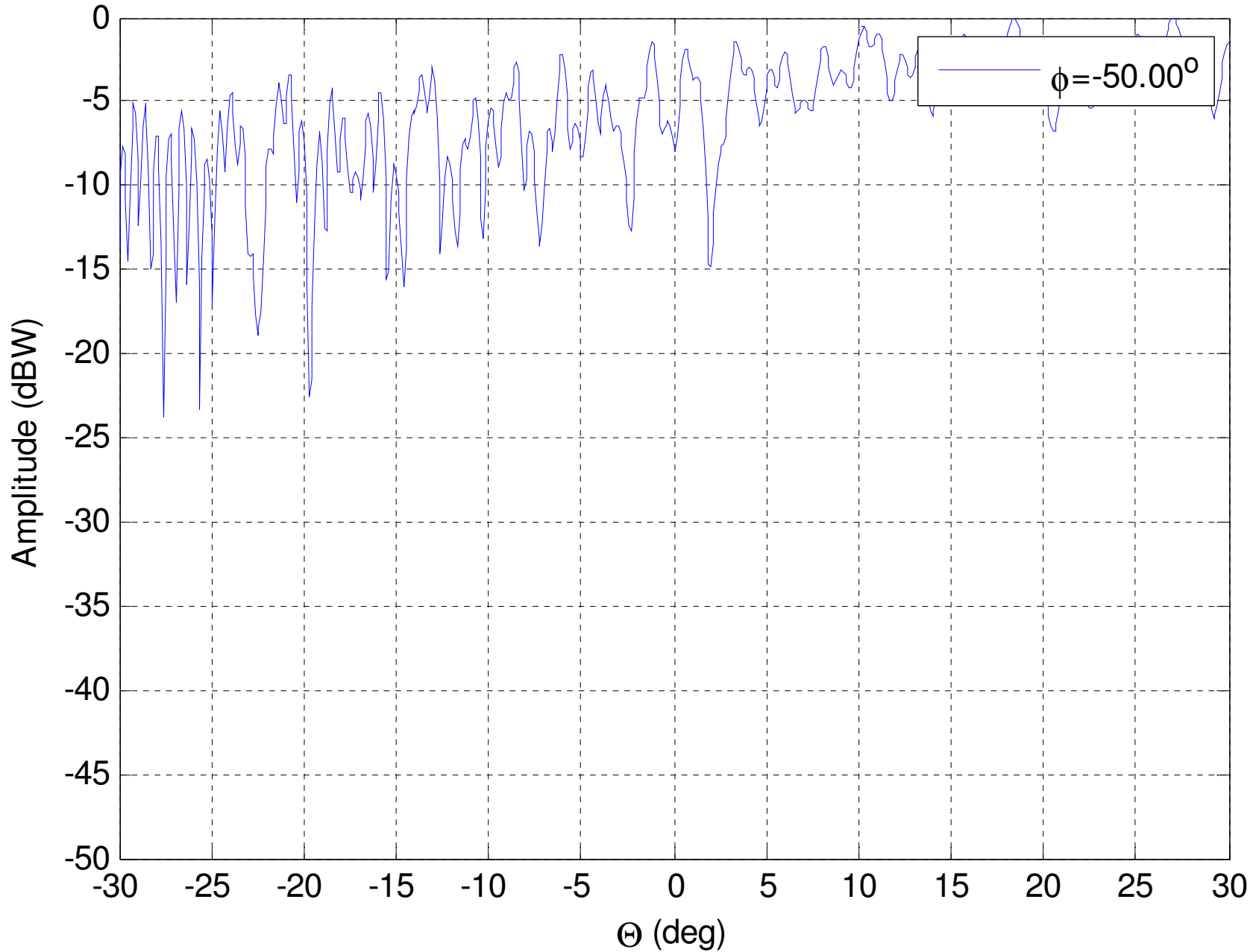
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--60.cut, Peak: -1.98 dBW, Date: 14-Oct-2011



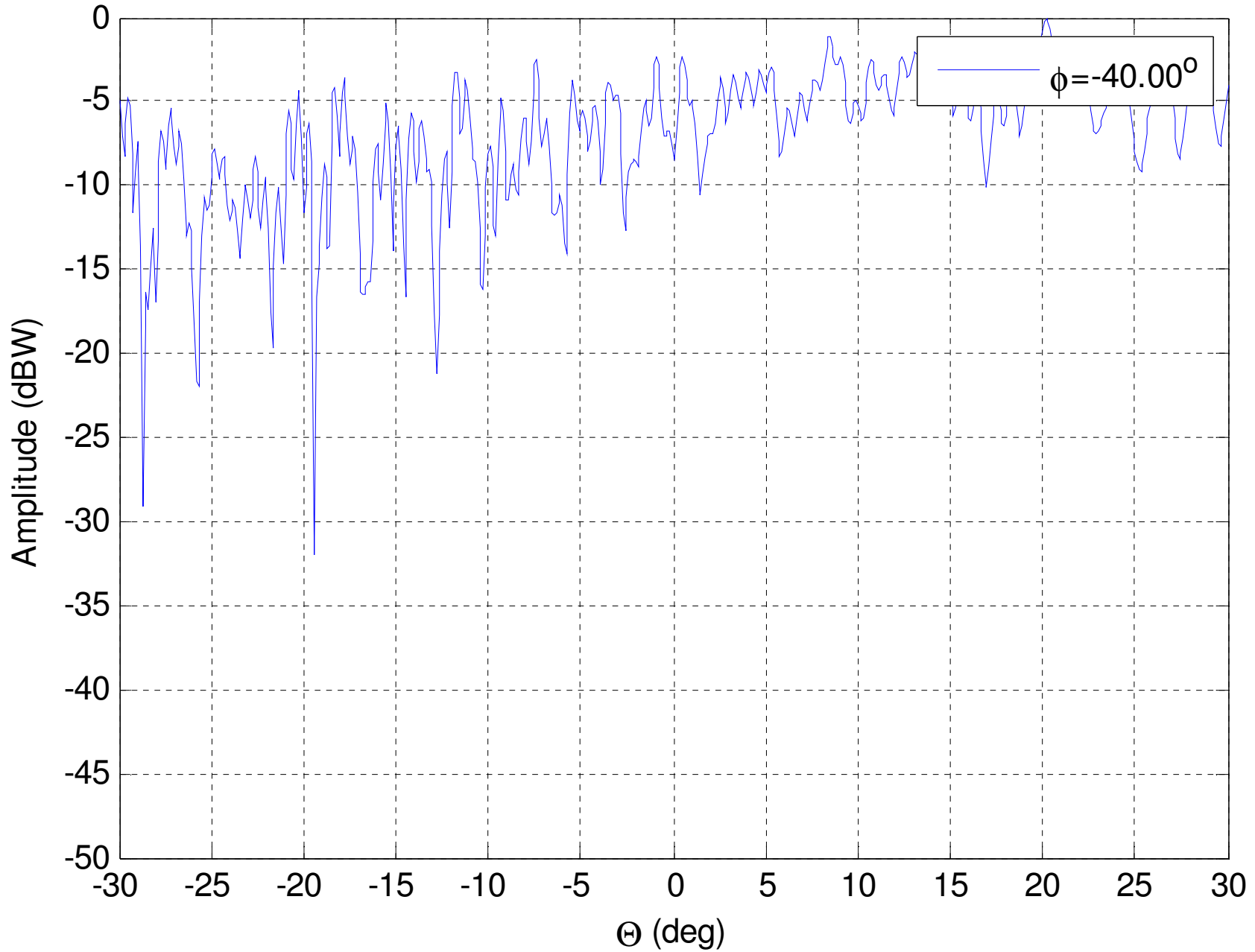
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--50.cut, Peak: -2.27 dBW, Date: 14-Oct-2011



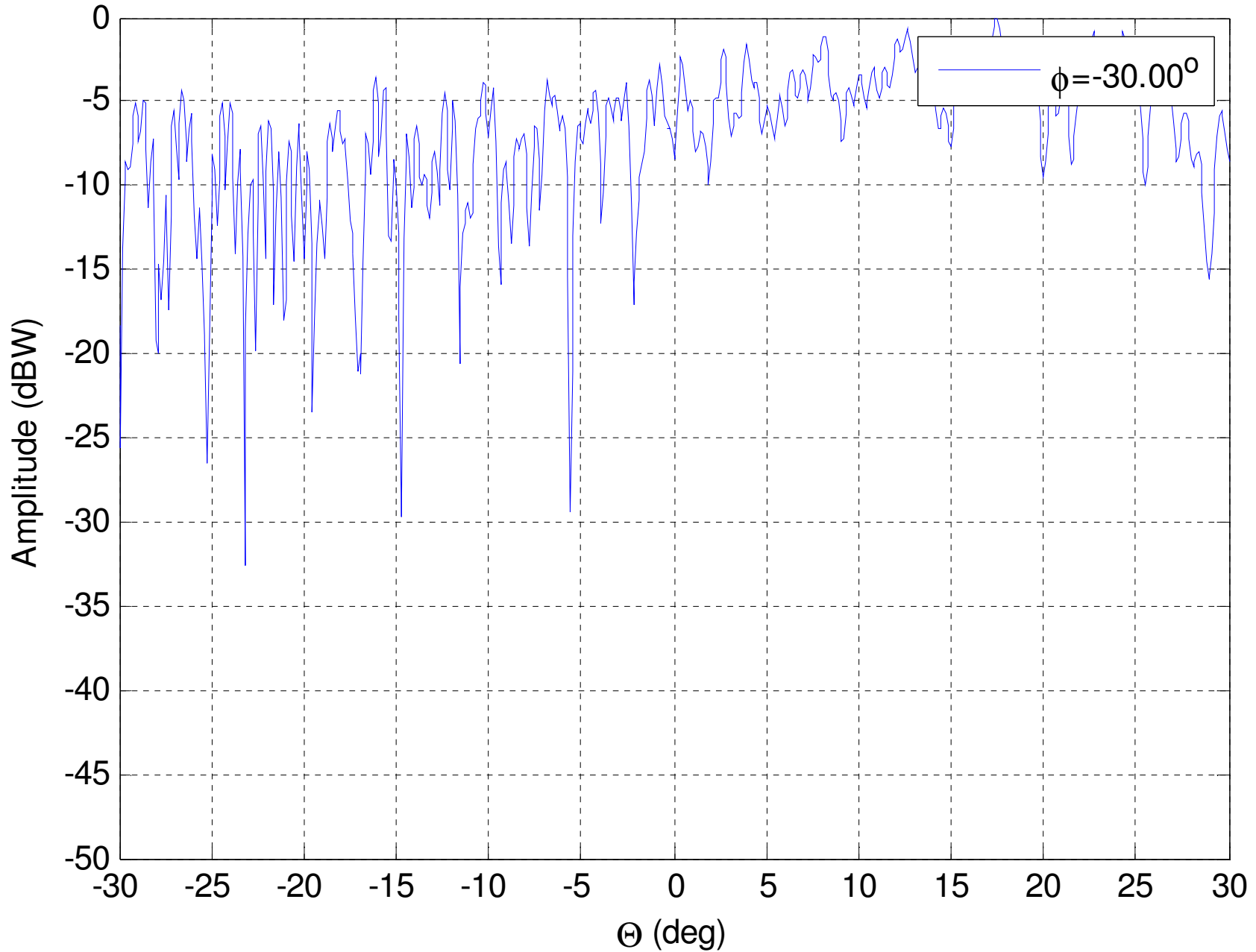
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--40.cut, Peak: -1.57 dBW, Date: 14-Oct-2011



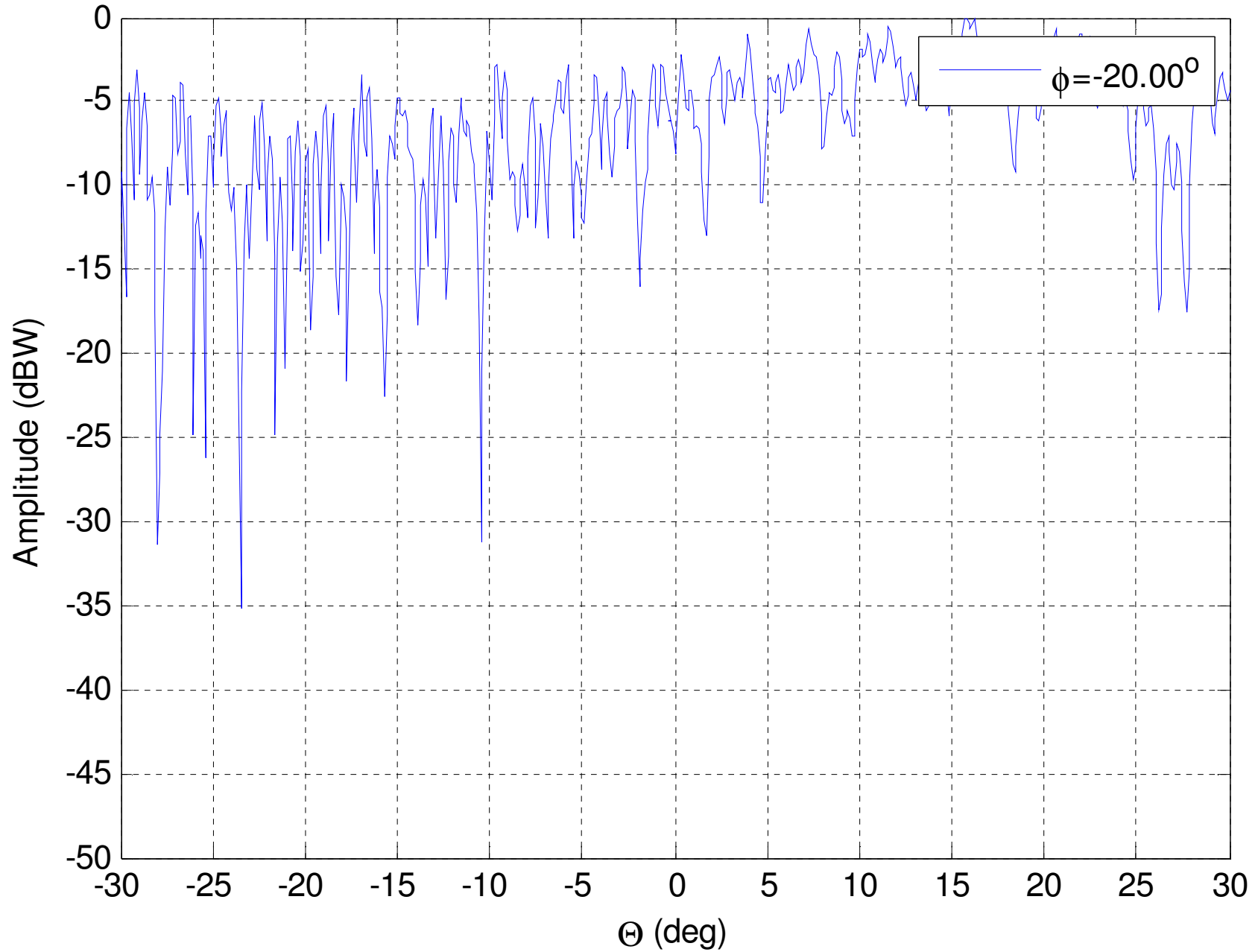
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--30.cut, Peak: -1.65 dBW, Date: 14-Oct-2011



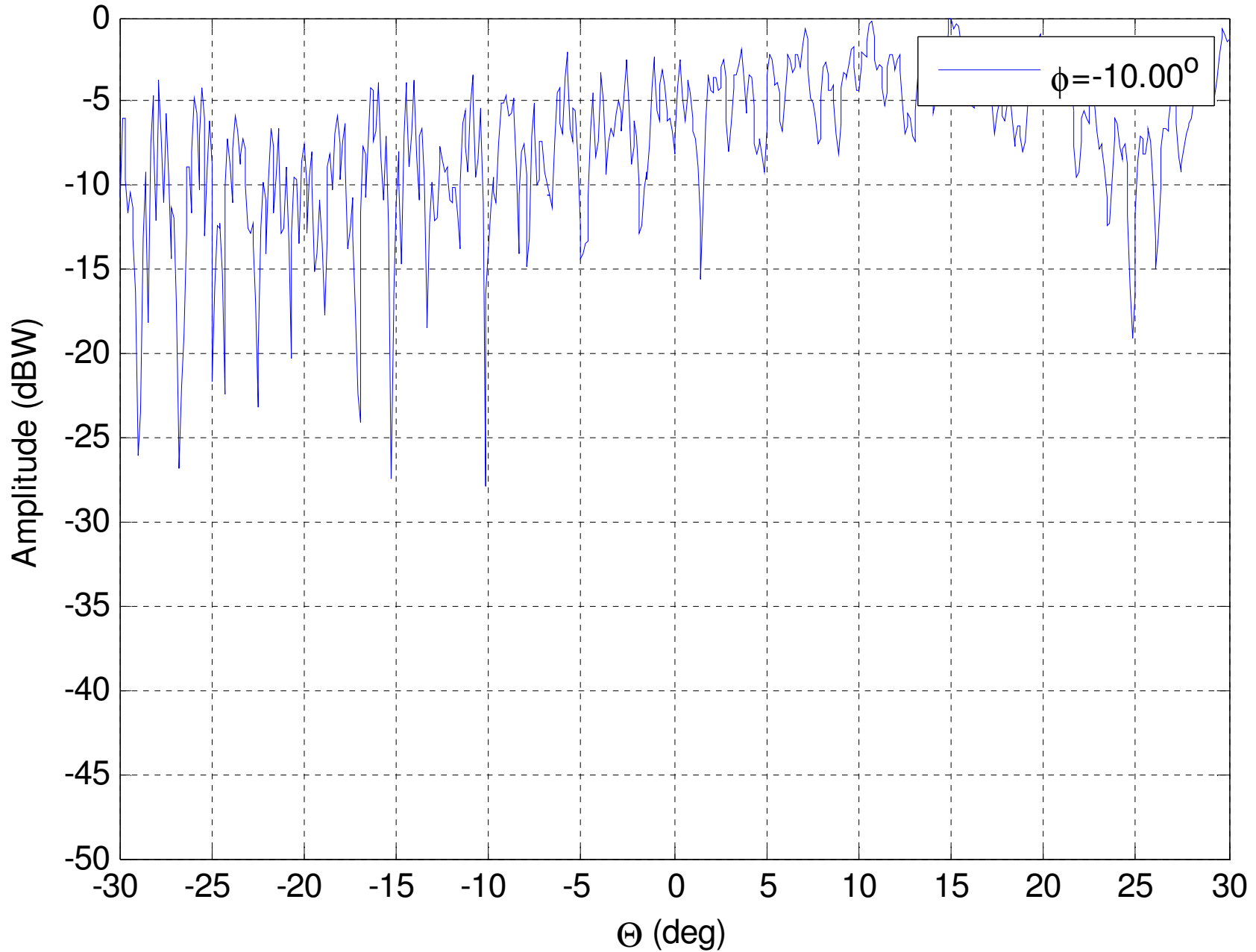
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--20.cut, Peak: -1.97 dBW, Date: 14-Oct-2011



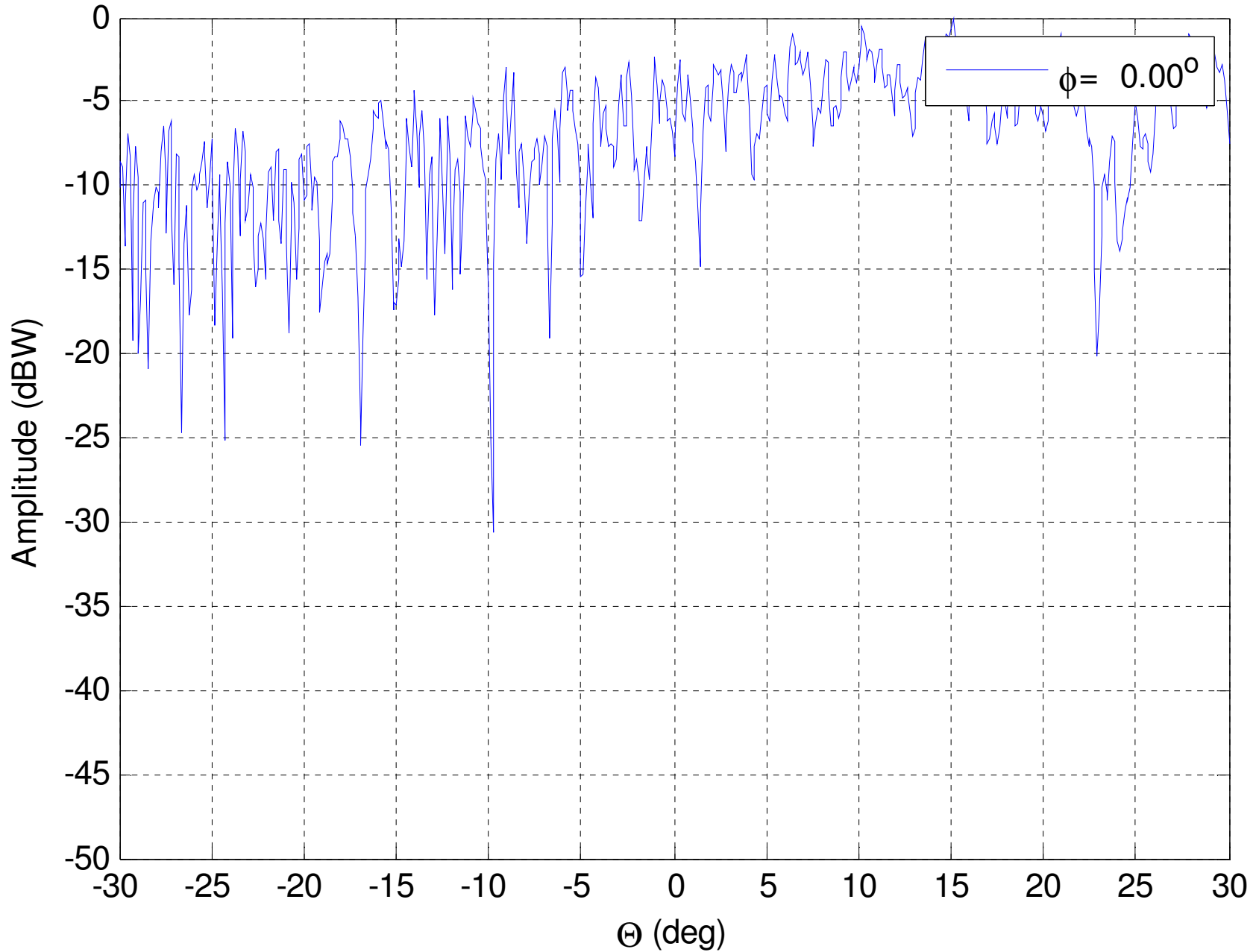
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--10.cut, Peak: -1.86 dBW, Date: 14-Oct-2011



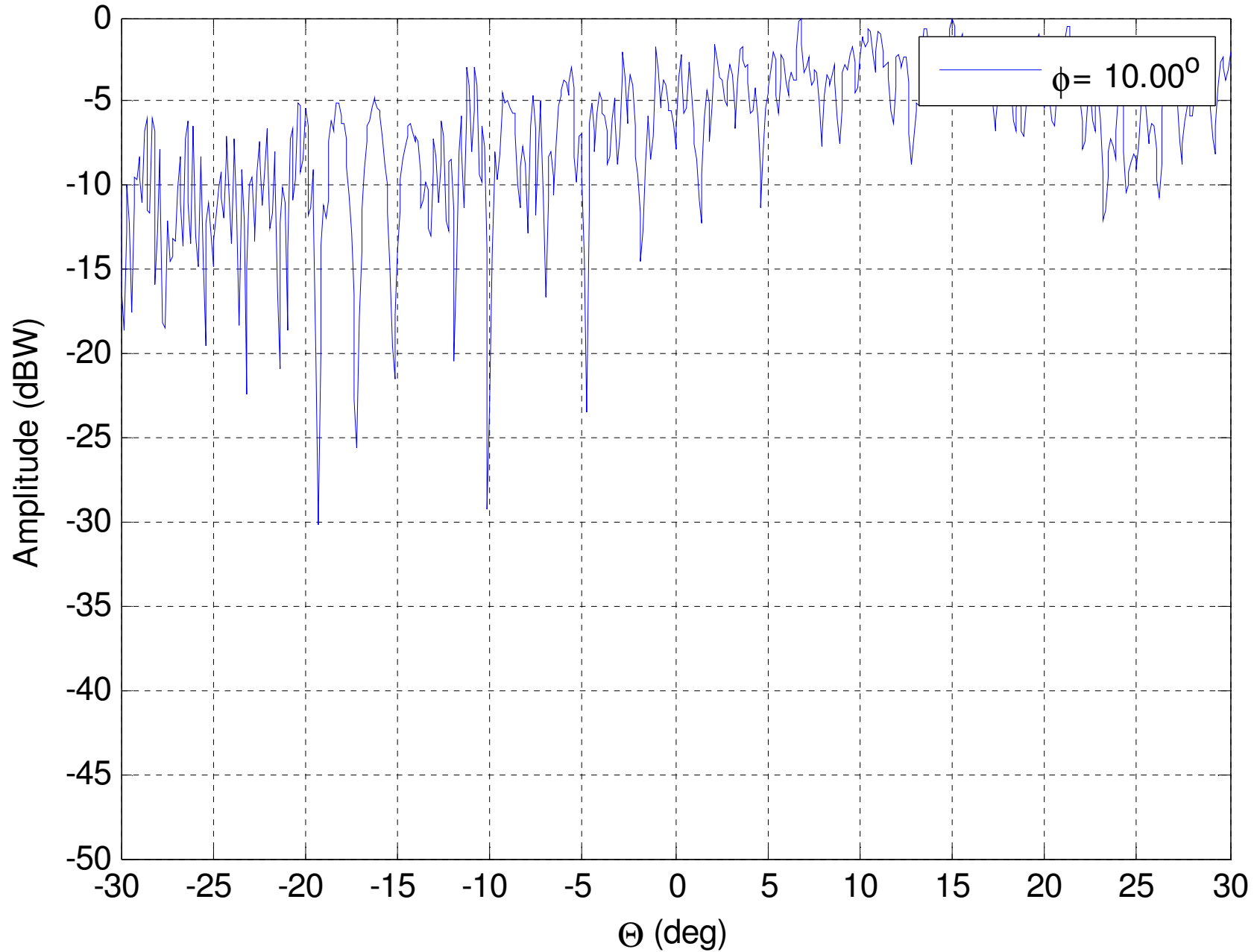
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-0.cut, Peak: -1.74 dBW, Date: 14-Oct-2011



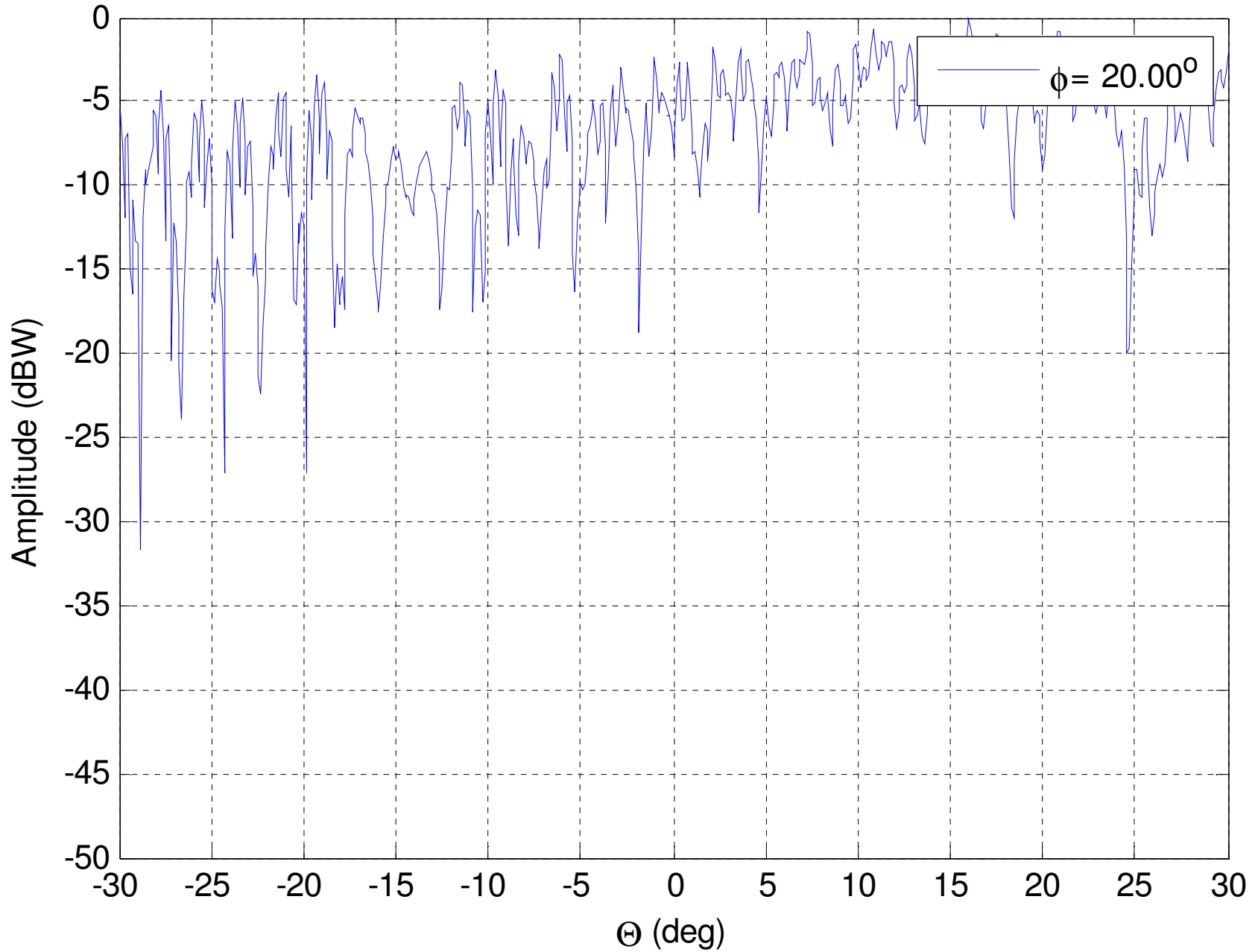
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-10.cut, Peak: -2.17 dBW, Date: 14-Oct-2011



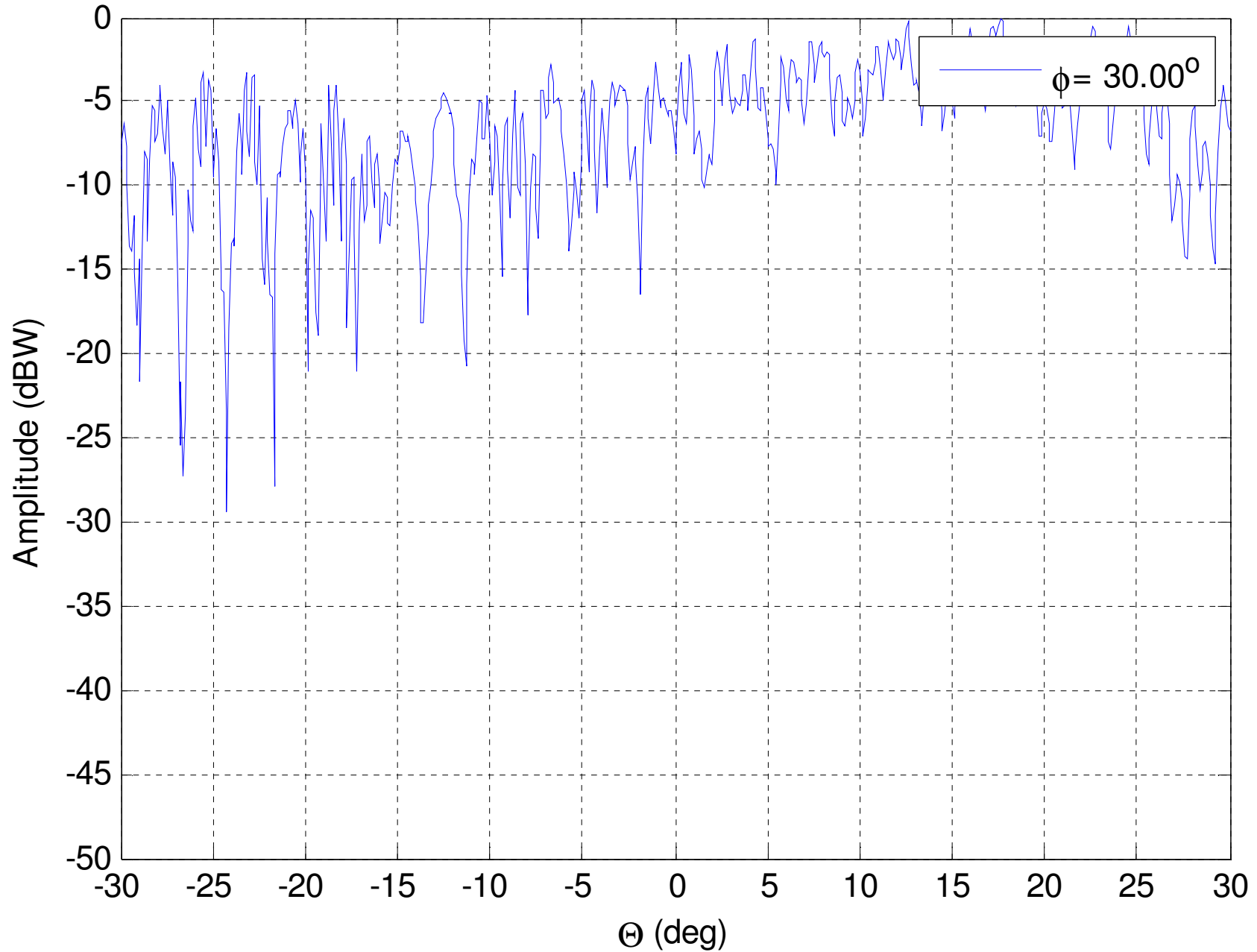
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-20.cut, Peak: -1.76 dBW, Date: 14-Oct-2011



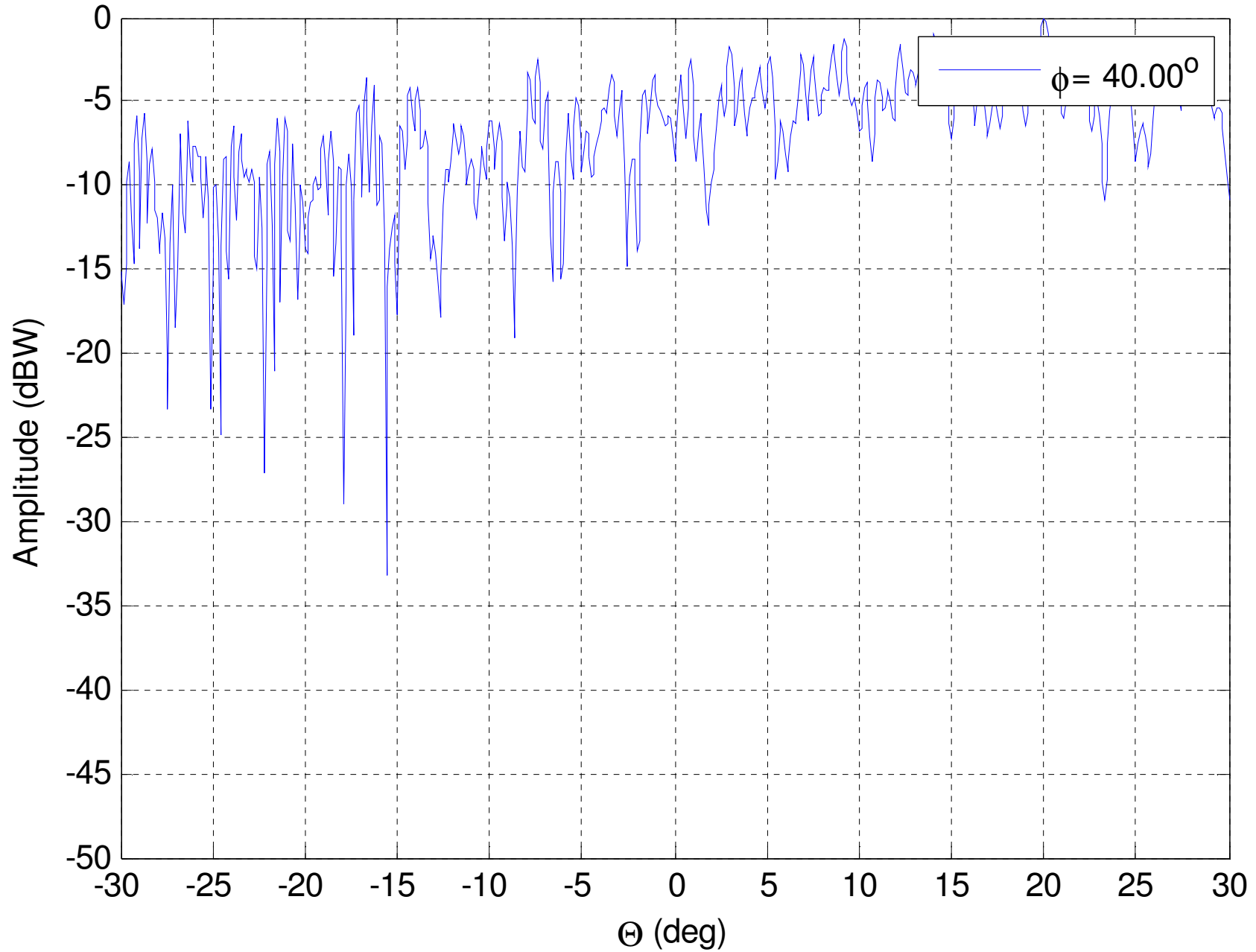
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-30.cut, Peak: -1.86 dBW, Date: 14-Oct-2011



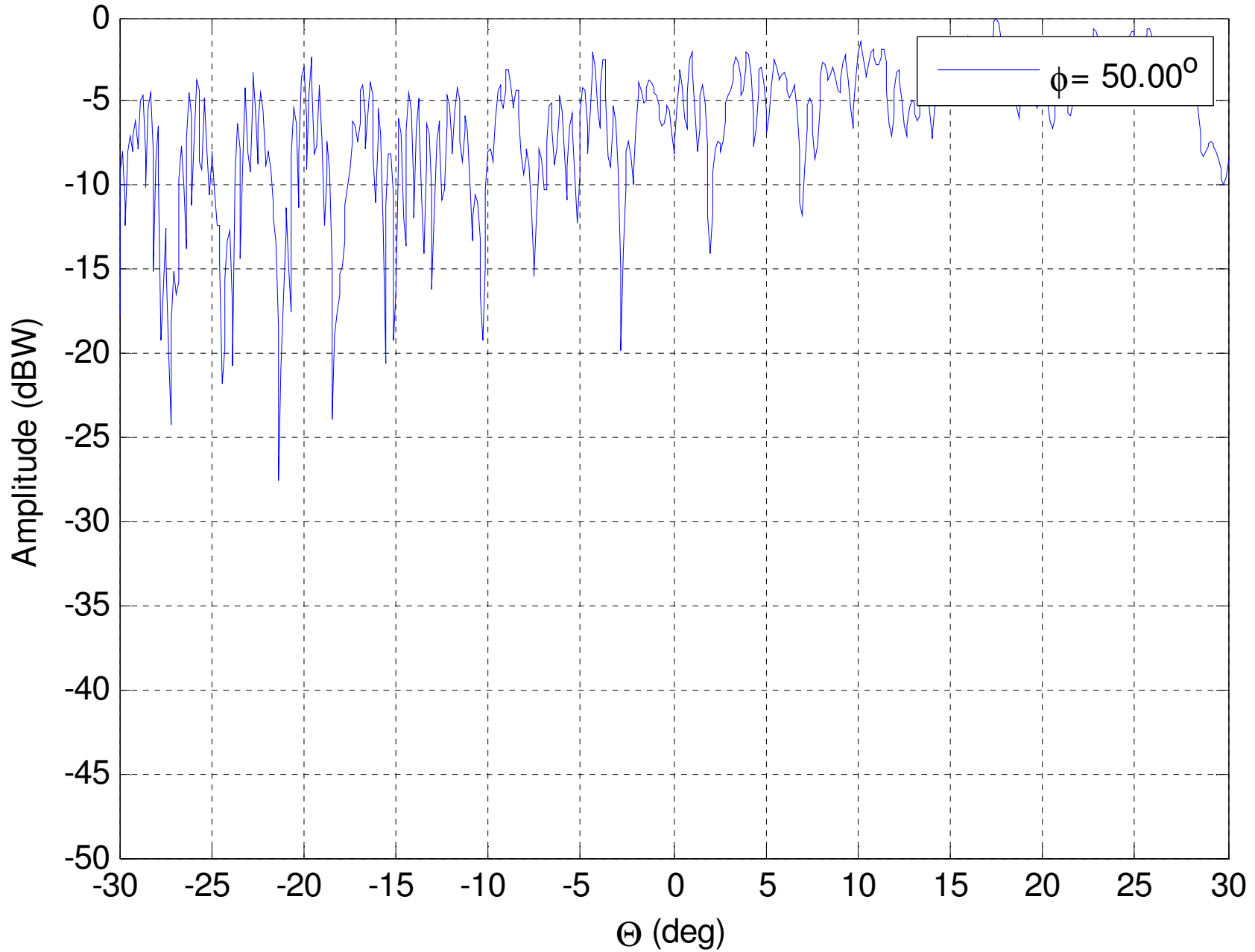
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-40.cut, Peak: -1.38 dBW, Date: 14-Oct-2011



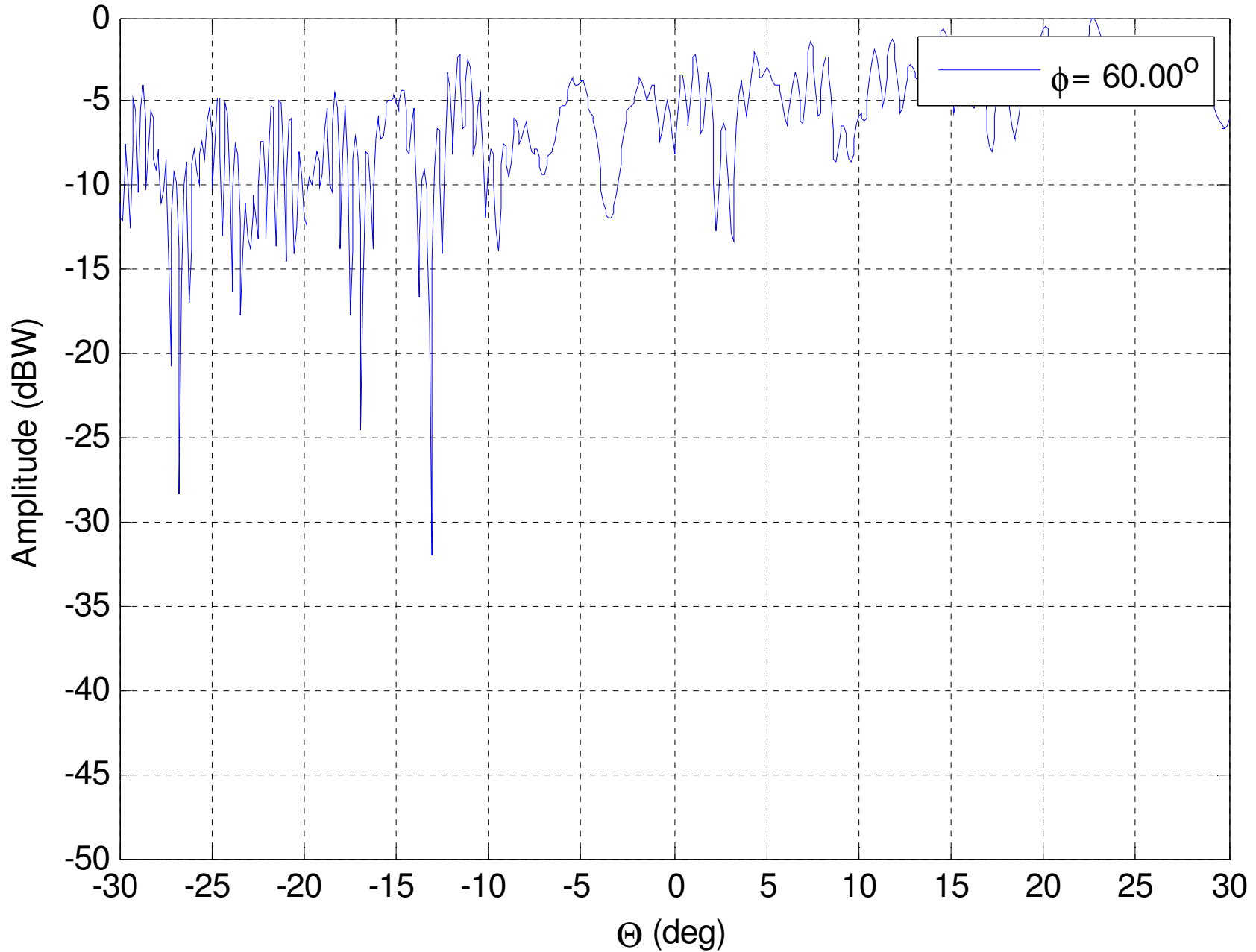
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-50.cut, Peak: -1.83 dBW, Date: 14-Oct-2011



Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-60.cut, Peak: -1.89 dBW, Date: 14-Oct-2011



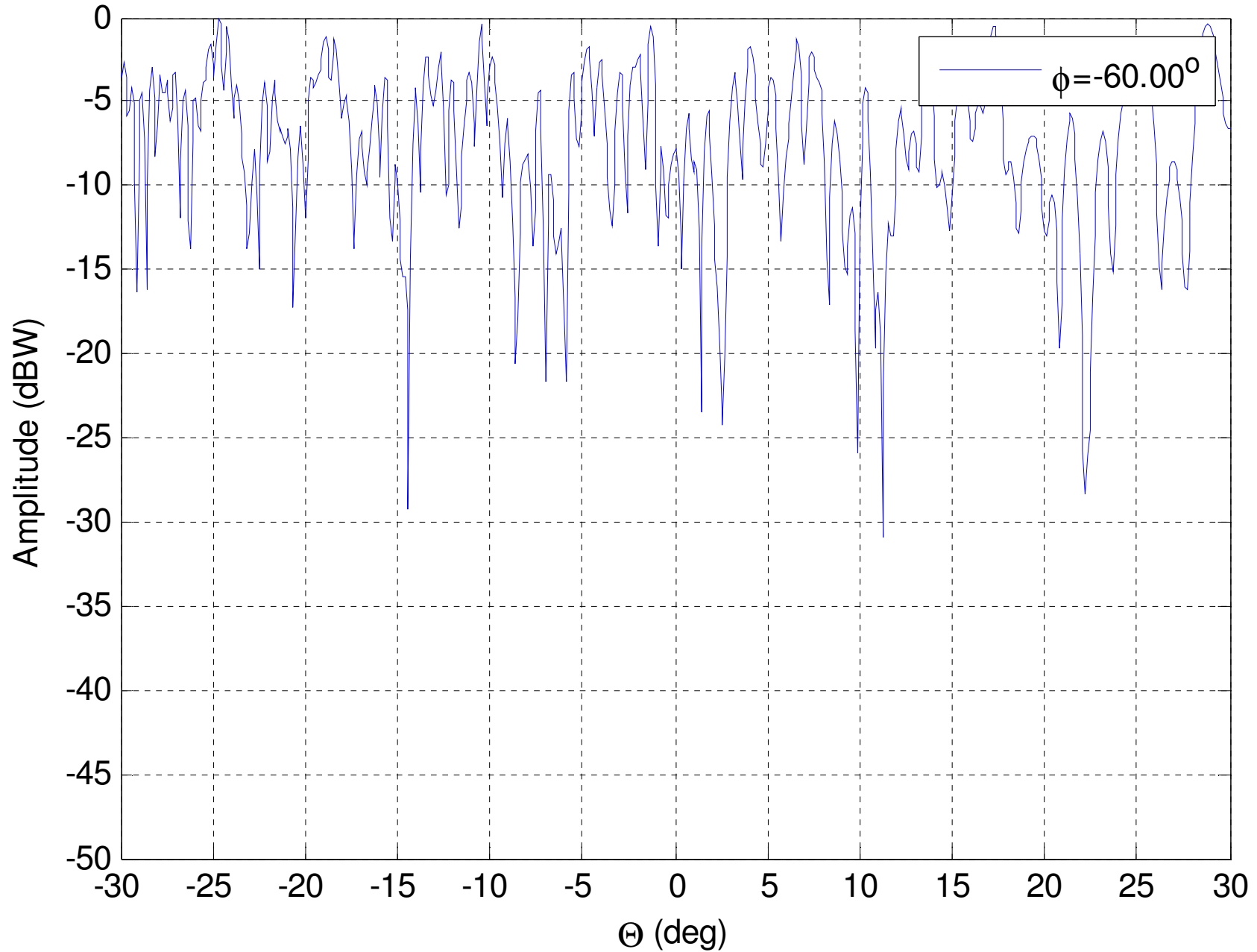
CONUS Beam, +X Axis Plots

- Both polarizations; RHCP, LHCP
- $-30^\circ < \Theta < 30^\circ$ ($\Theta=0$: +X-axis)
- $-60^\circ < \Phi < 60^\circ$
- Freq = 17.305, 17.5, and 17.695 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 46.4 dBW EIRP shown on the chart on page 2

RHCP at 17.305 GHz

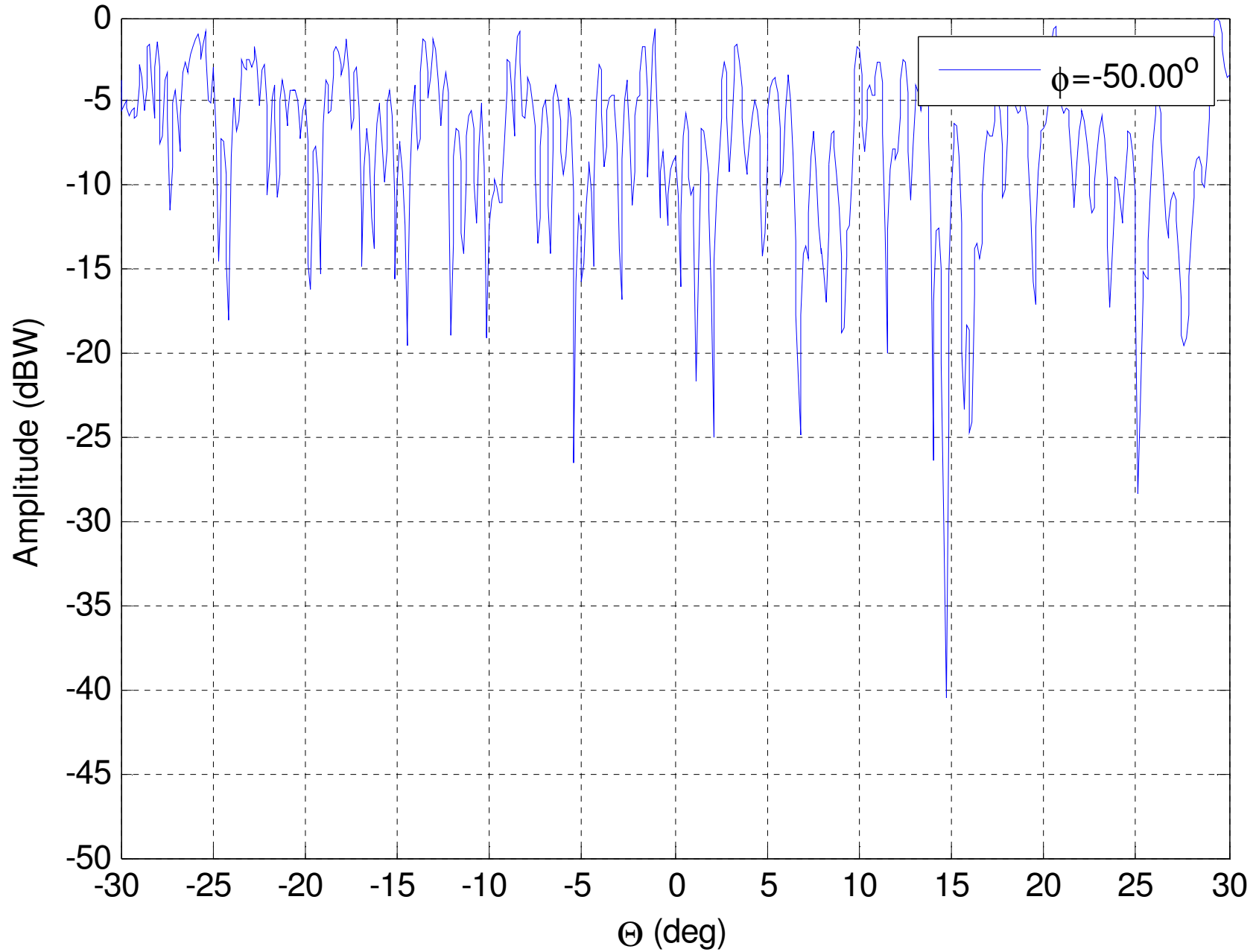
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--60.cut, Peak: -1.45 dBW, Date: 06-Oct-2011



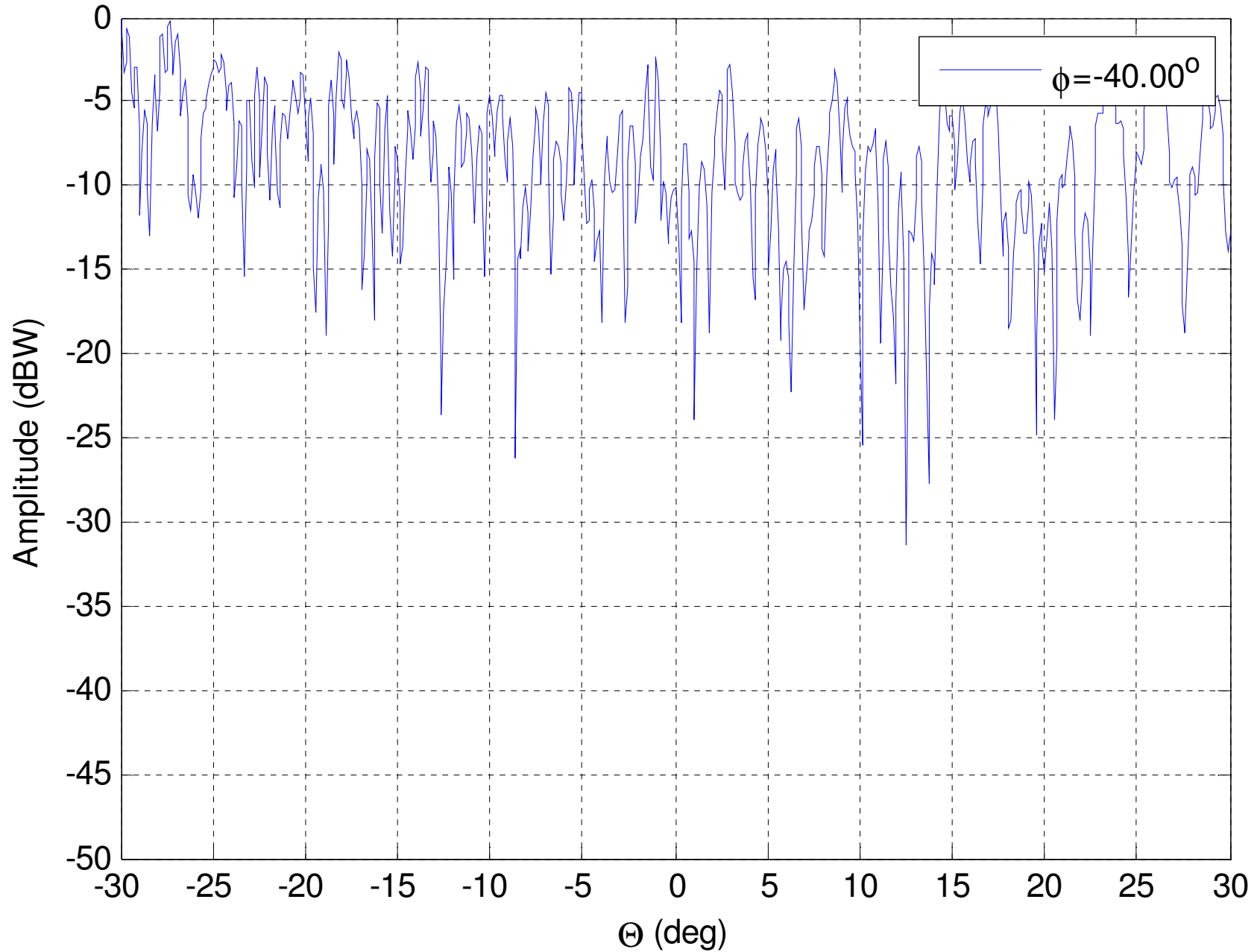
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--50.cut, Peak: -0.96 dBW, Date: 06-Oct-2011



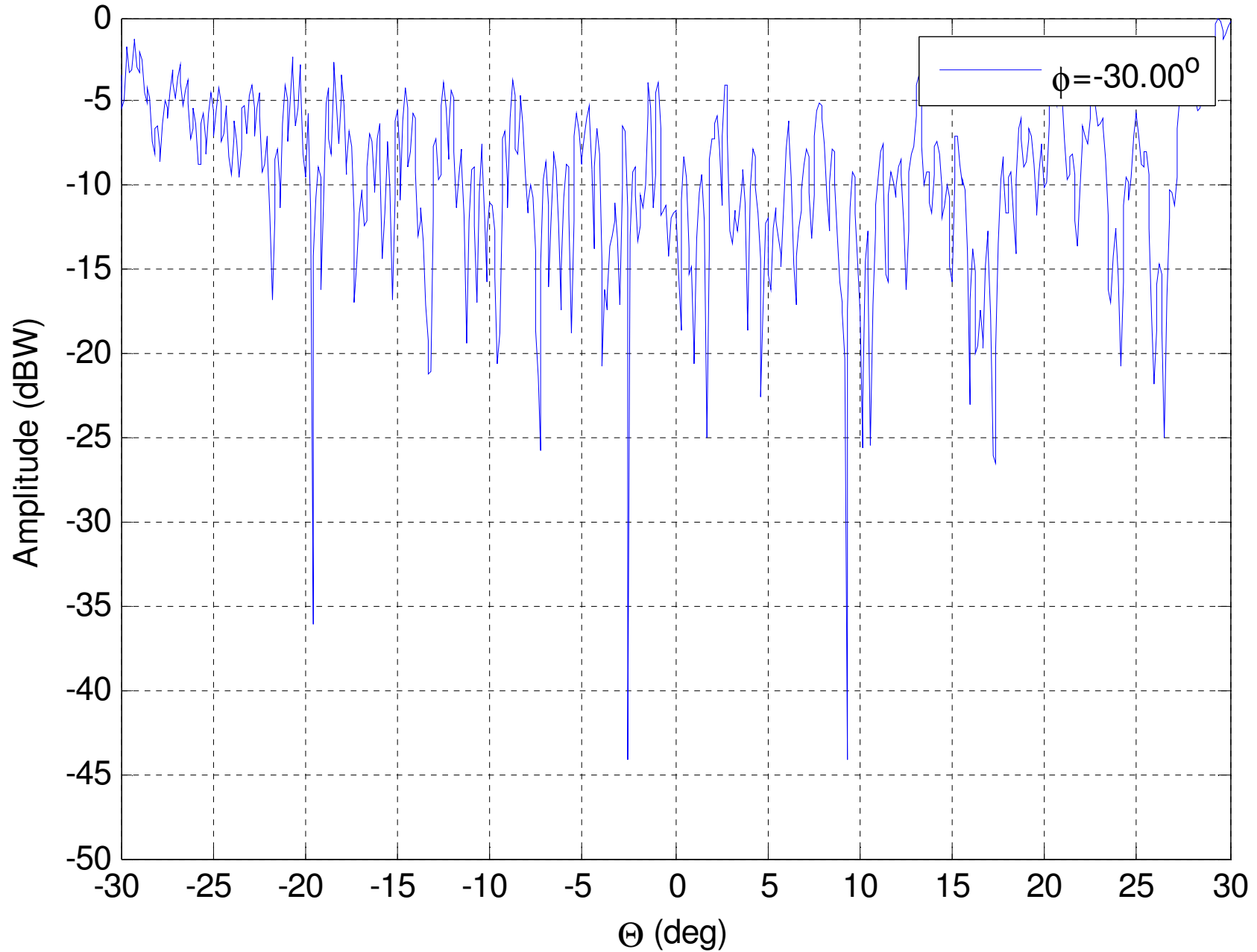
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--40.cut, Peak: 0.86 dBW, Date: 06-Oct-2011



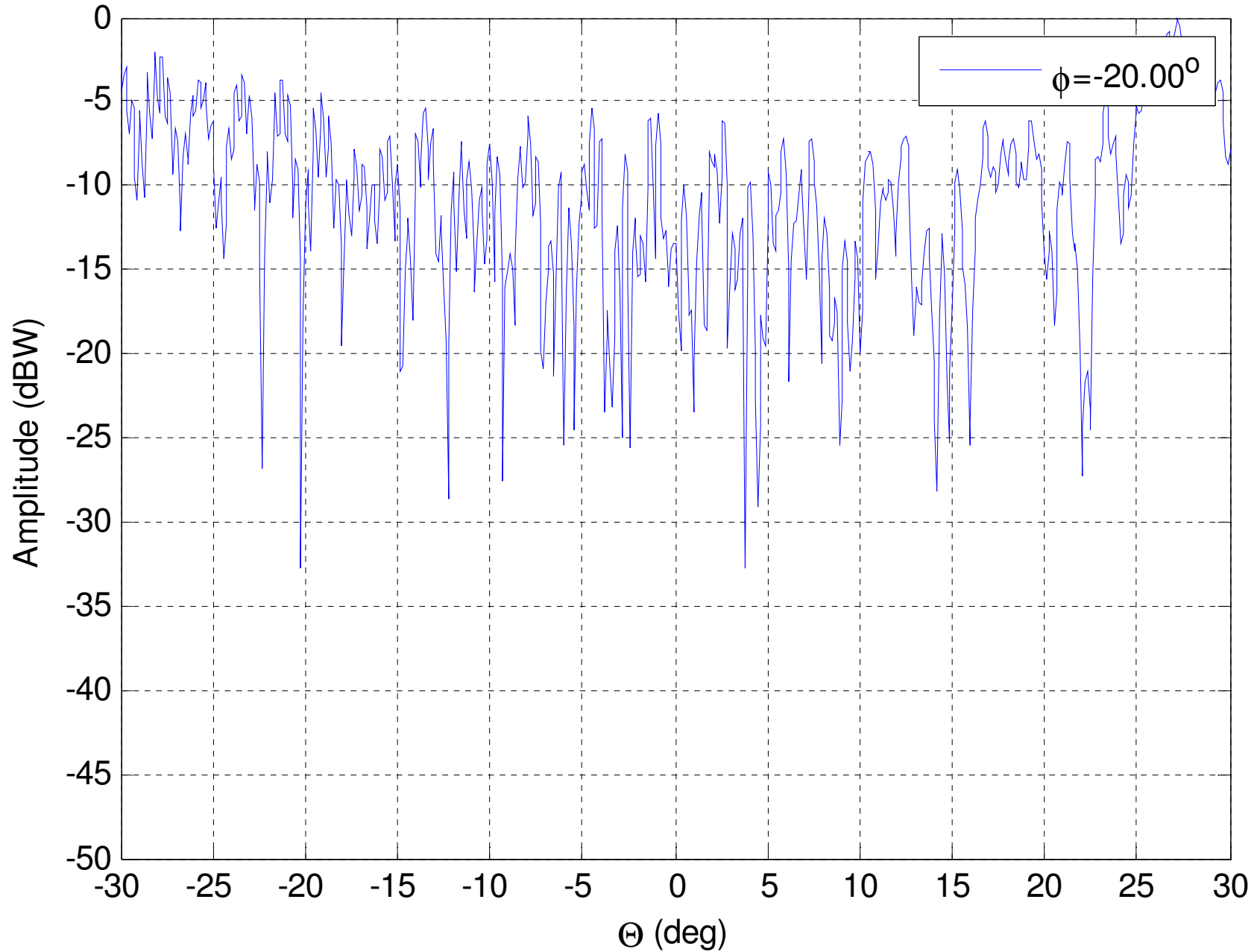
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--30.cut, Peak: 2.29 dBW, Date: 06-Oct-2011



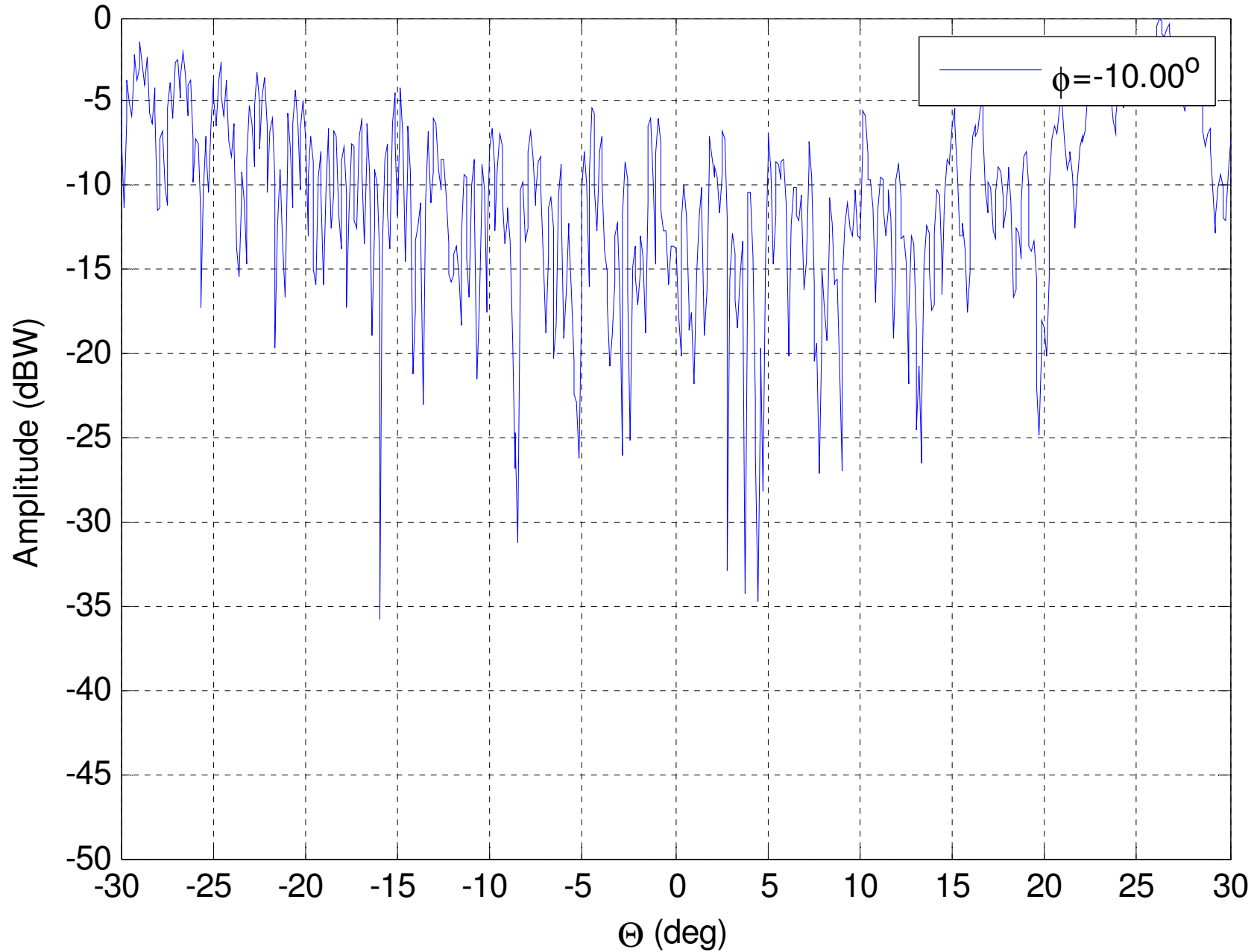
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--20.cut, Peak: 4.28 dBW, Date: 06-Oct-2011



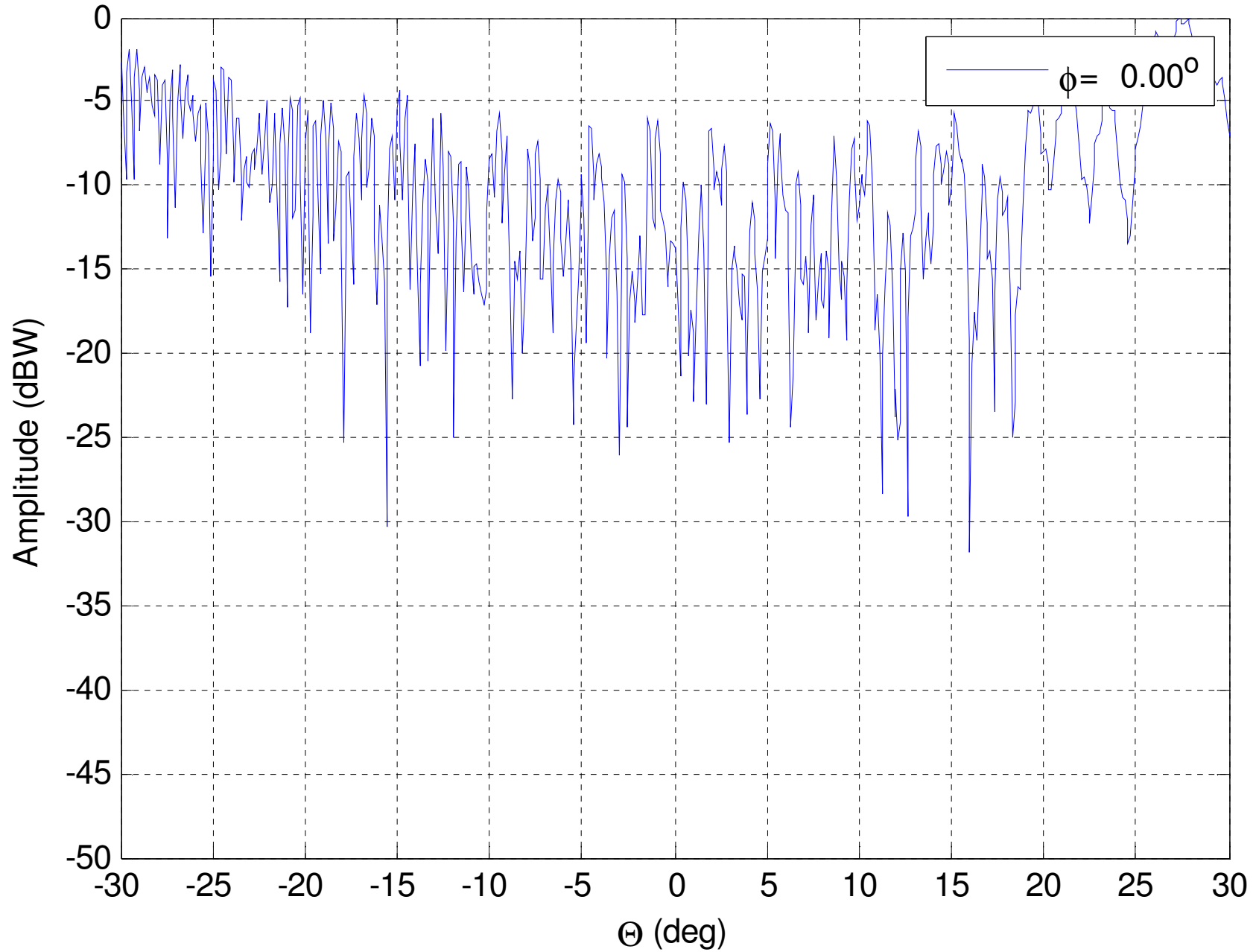
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--10.cut, Peak: 4.46 dBW, Date: 06-Oct-2011



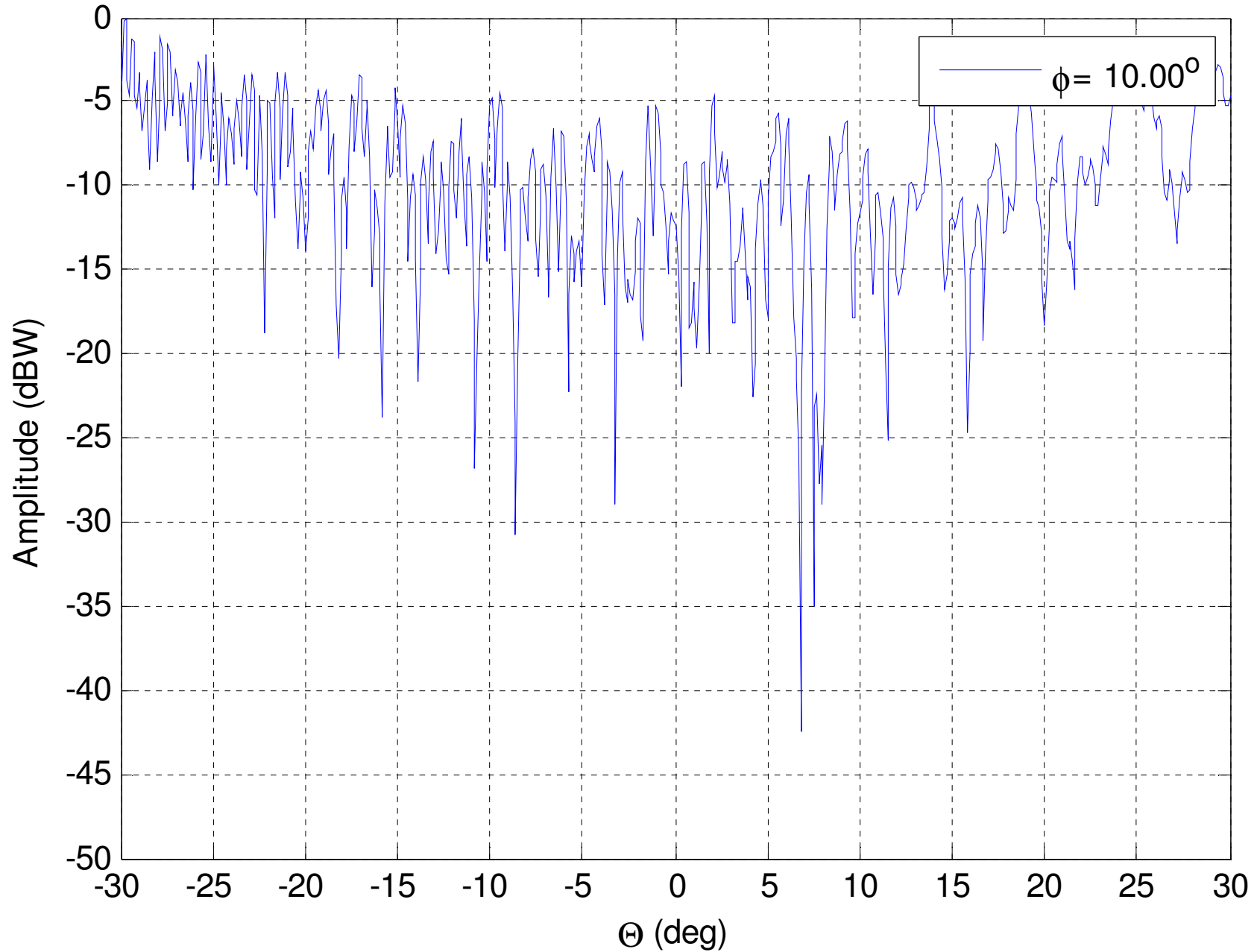
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-0.cut, Peak: 4.45 dBW, Date: 06-Oct-2011



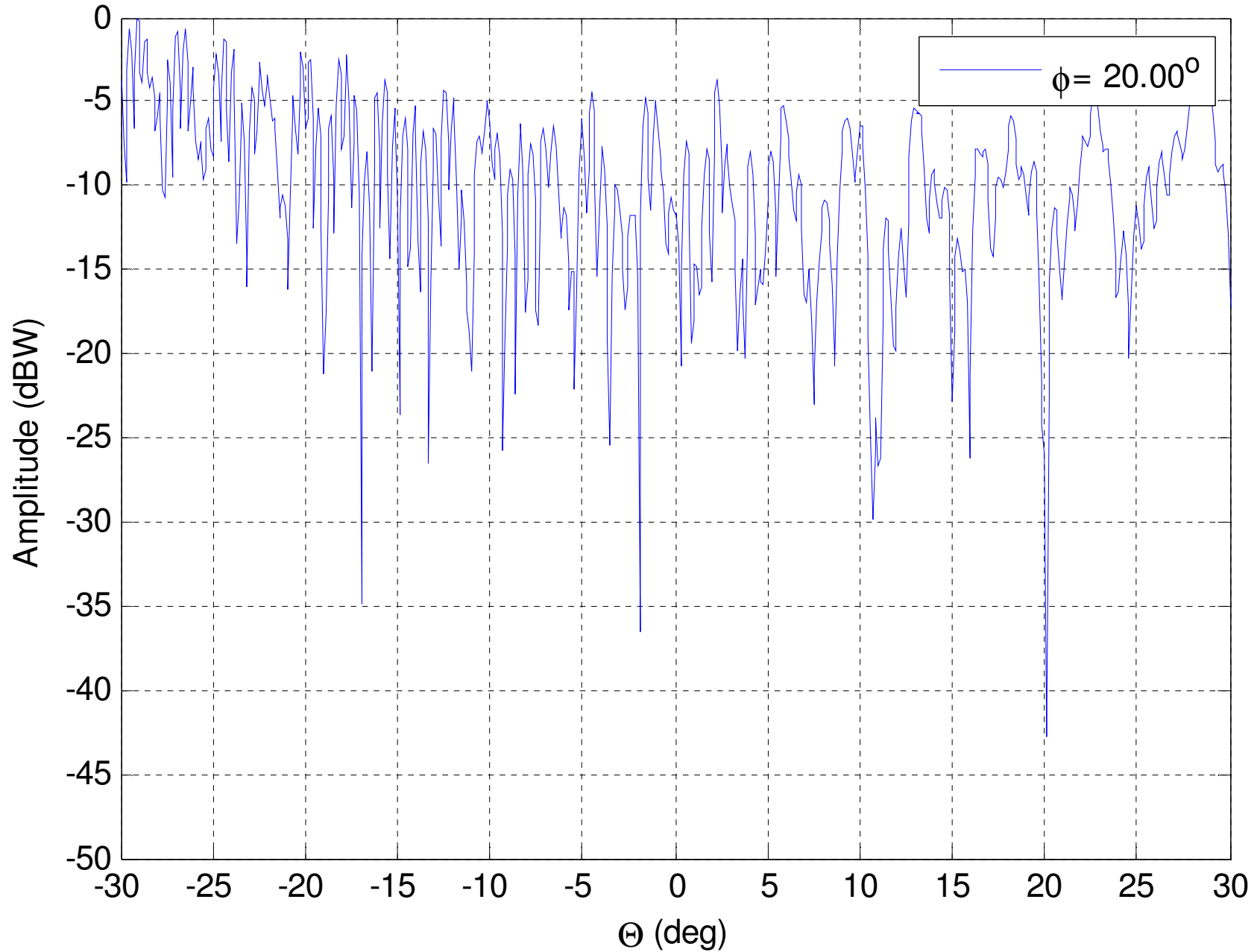
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-10.cut, Peak: 3.21 dBW, Date: 06-Oct-2011



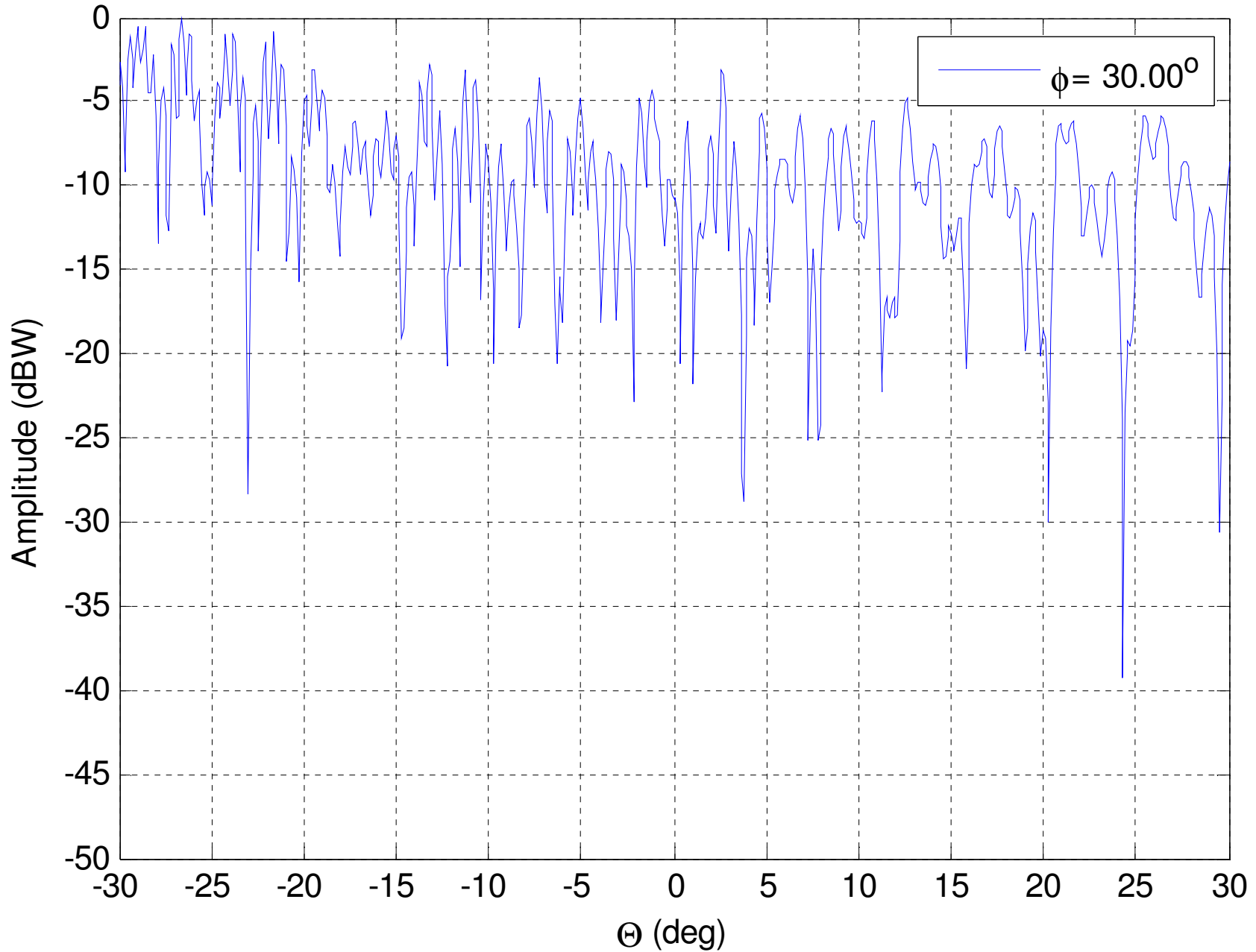
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-20.cut, Peak: 2.60 dBW, Date: 06-Oct-2011



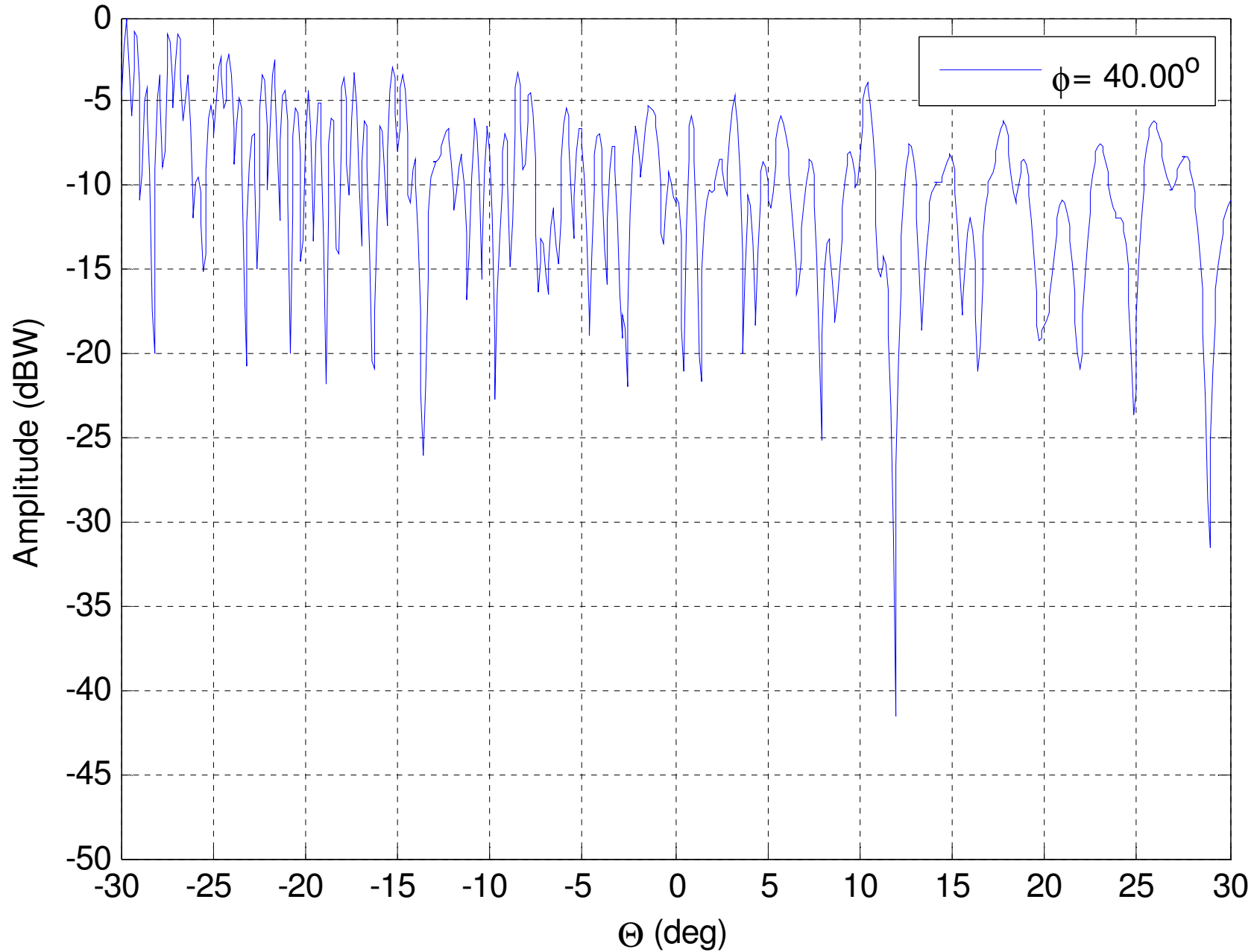
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-30.cut, Peak: 1.69 dBW, Date: 06-Oct-2011



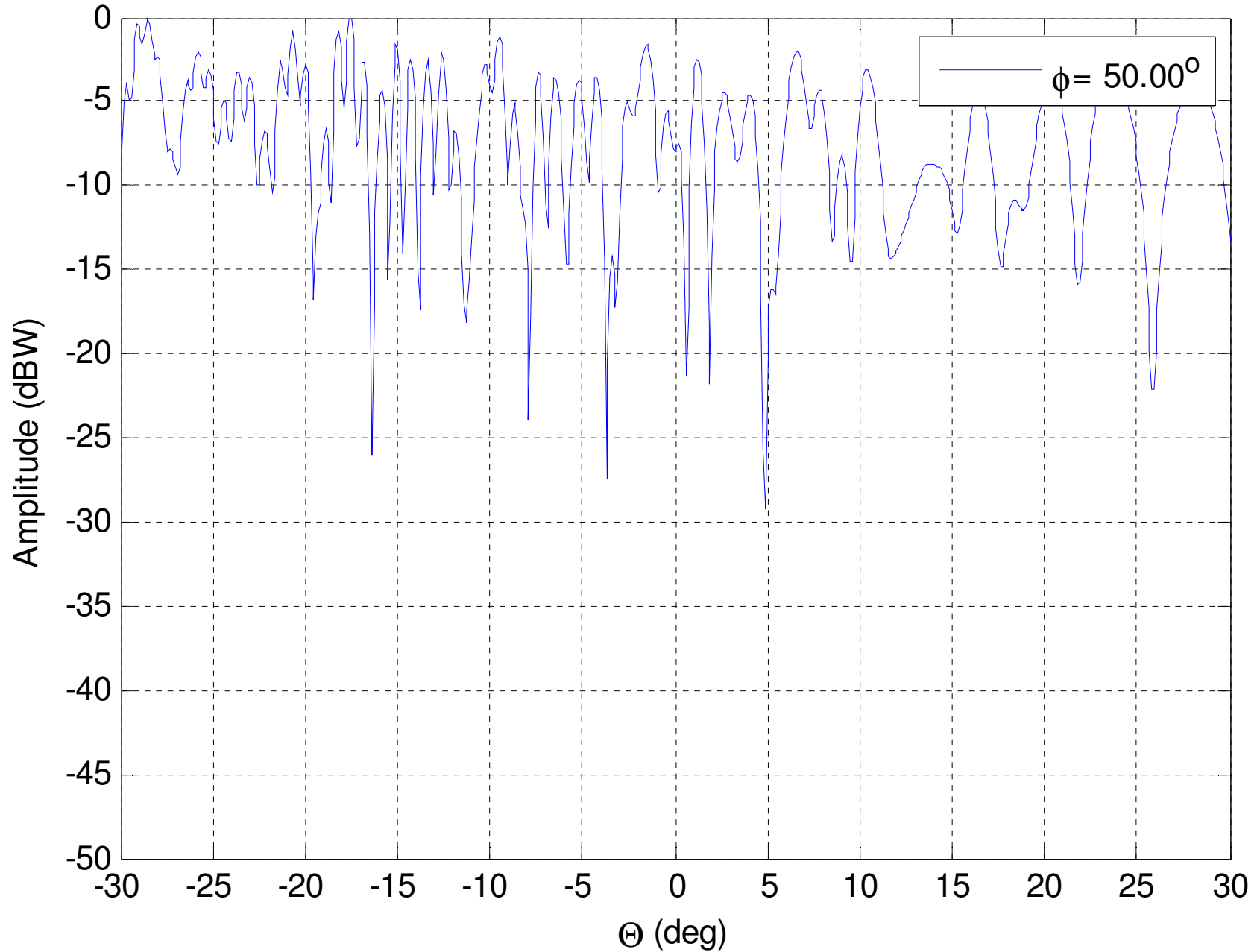
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-40.cut, Peak: 1.83 dBW, Date: 06-Oct-2011



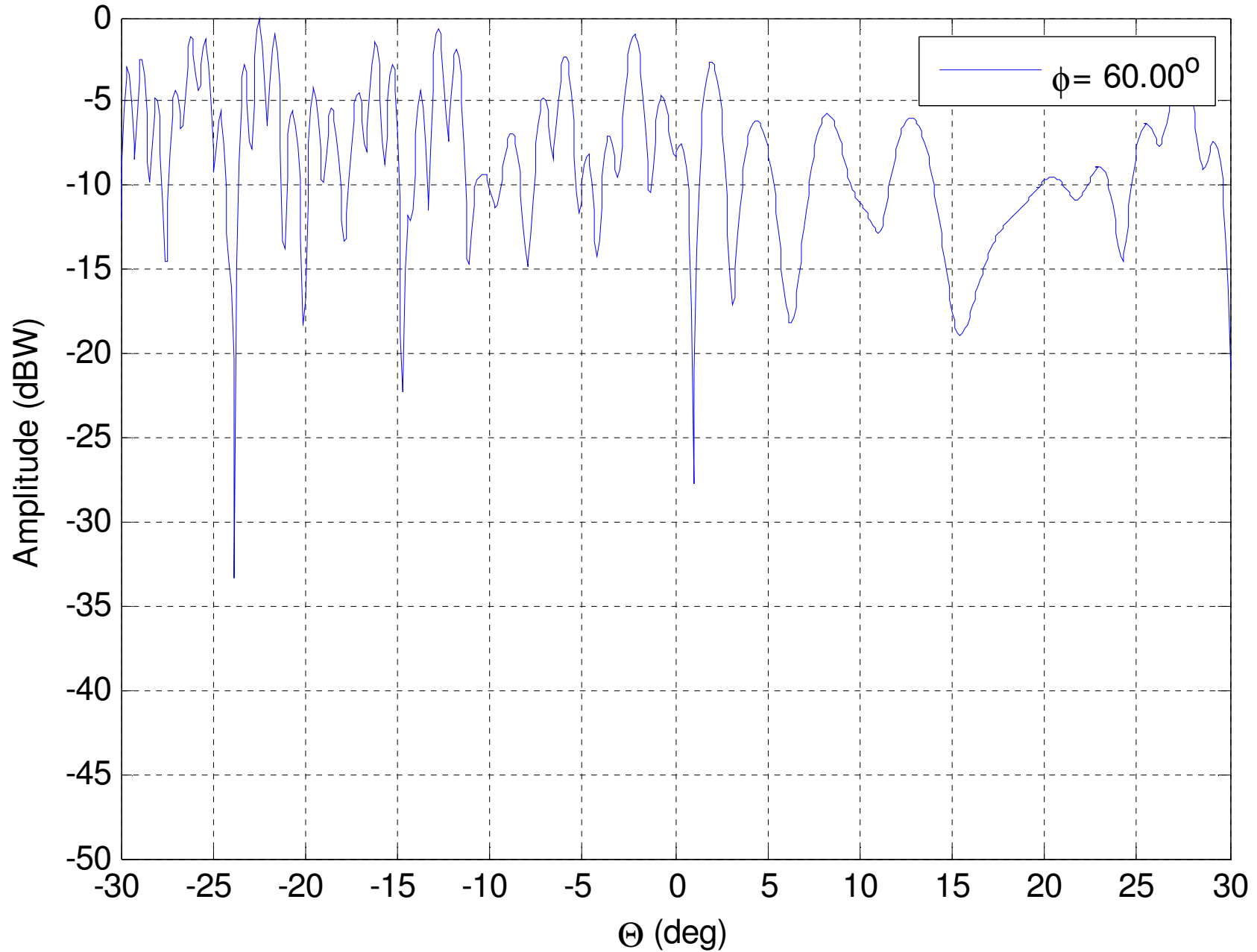
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-50.cut, Peak: -1.21 dBW, Date: 06-Oct-2011



Normalized pattern cuts - farfield

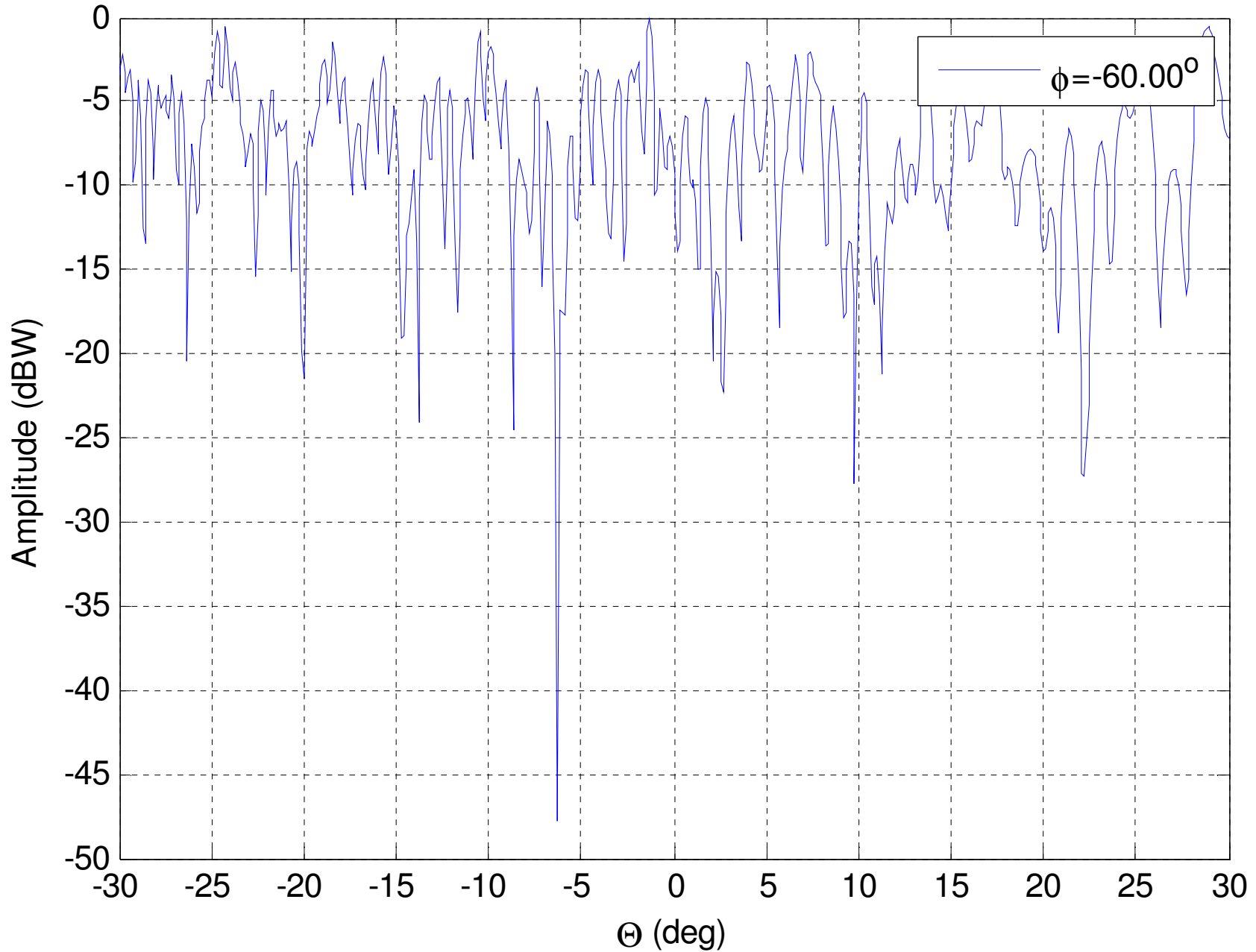
Input file: tx-17.3-rhcp-60.cut, Peak: -1.00 dBW, Date: 06-Oct-2011



LHCP at 17.305 GHz

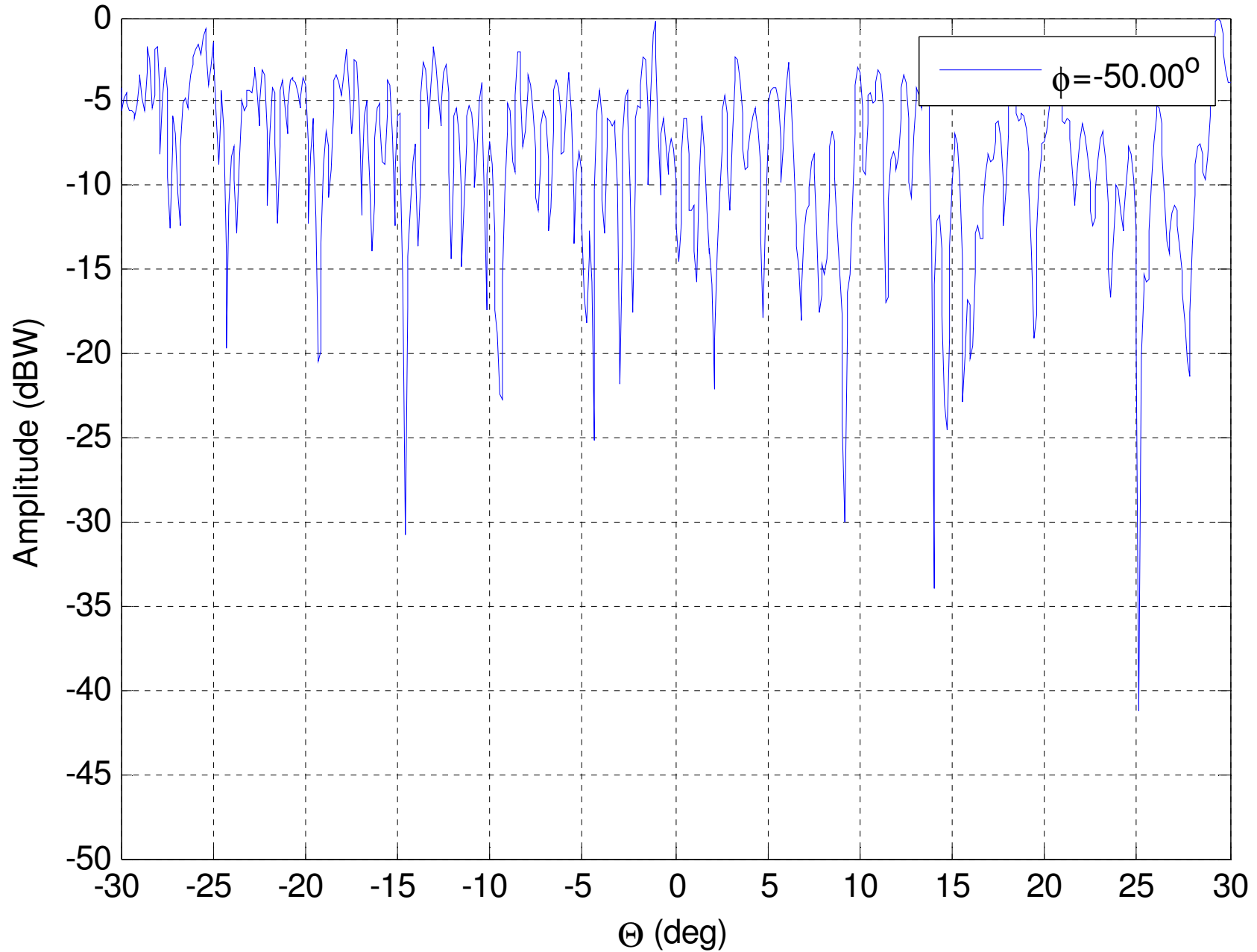
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--60.cut, Peak: -0.84 dBW, Date: 06-Oct-2011



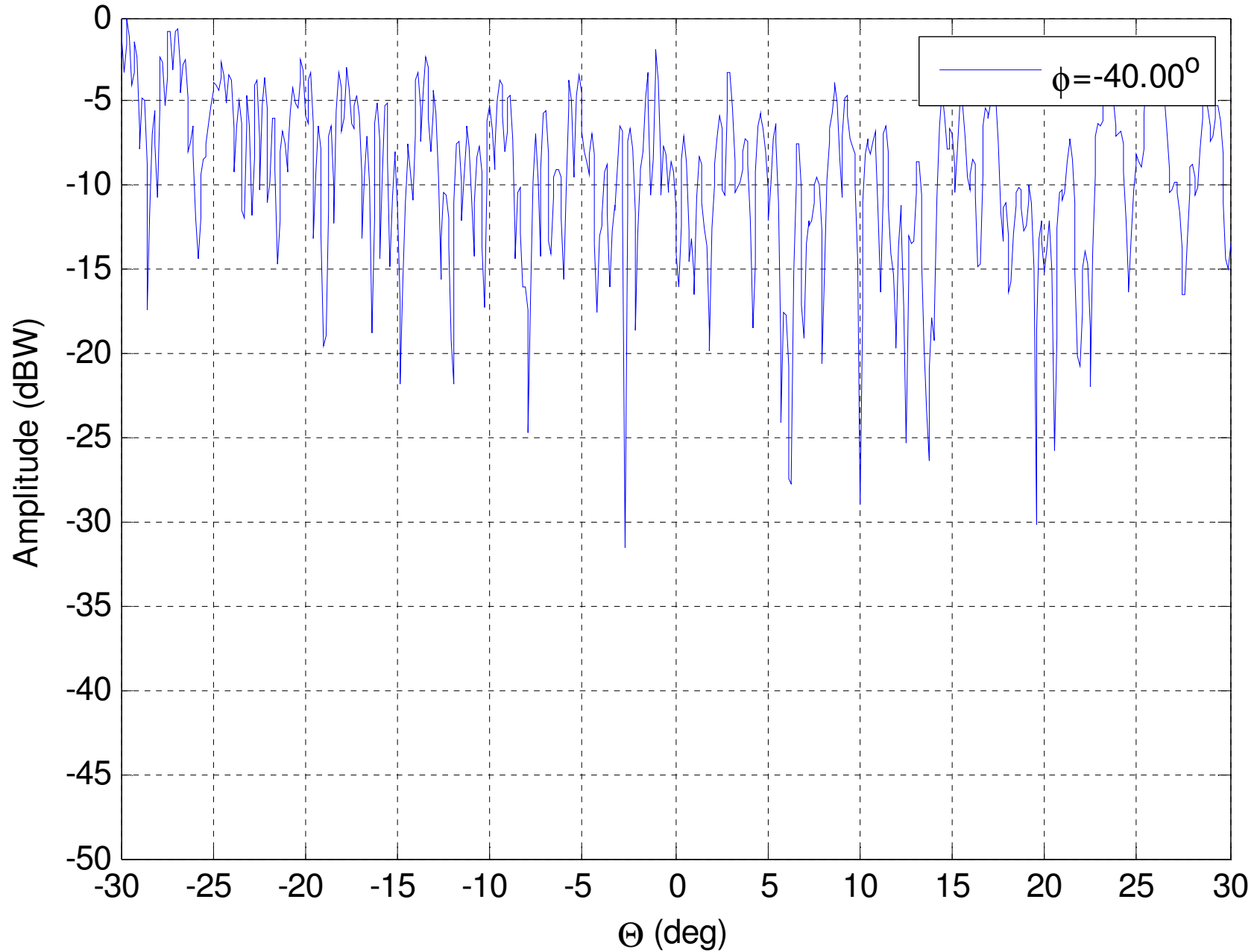
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--50.cut, Peak: -0.42 dBW, Date: 06-Oct-2011



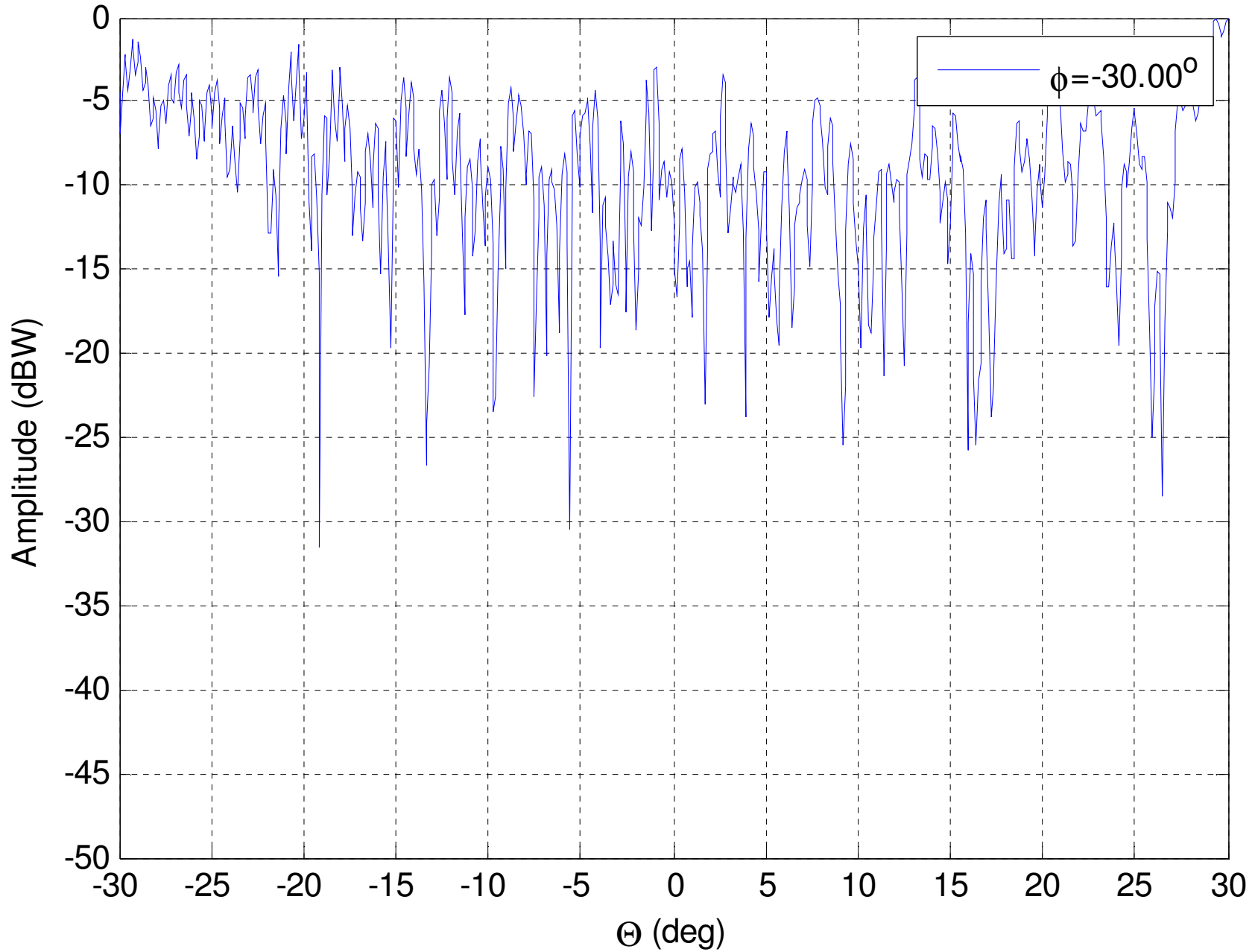
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--40.cut, Peak: 1.18 dBW, Date: 06-Oct-2011



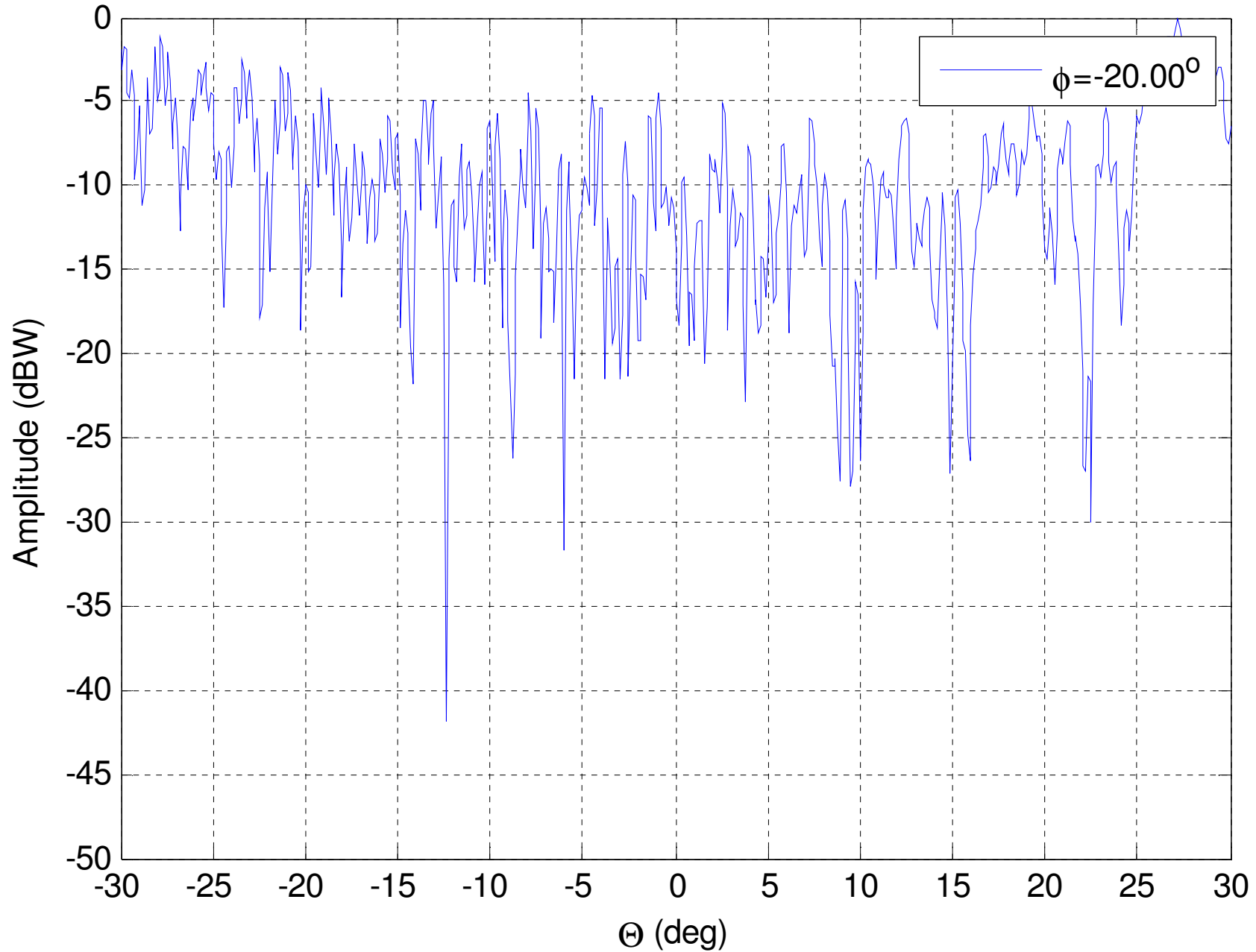
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--30.cut, Peak: 1.95 dBW, Date: 06-Oct-2011



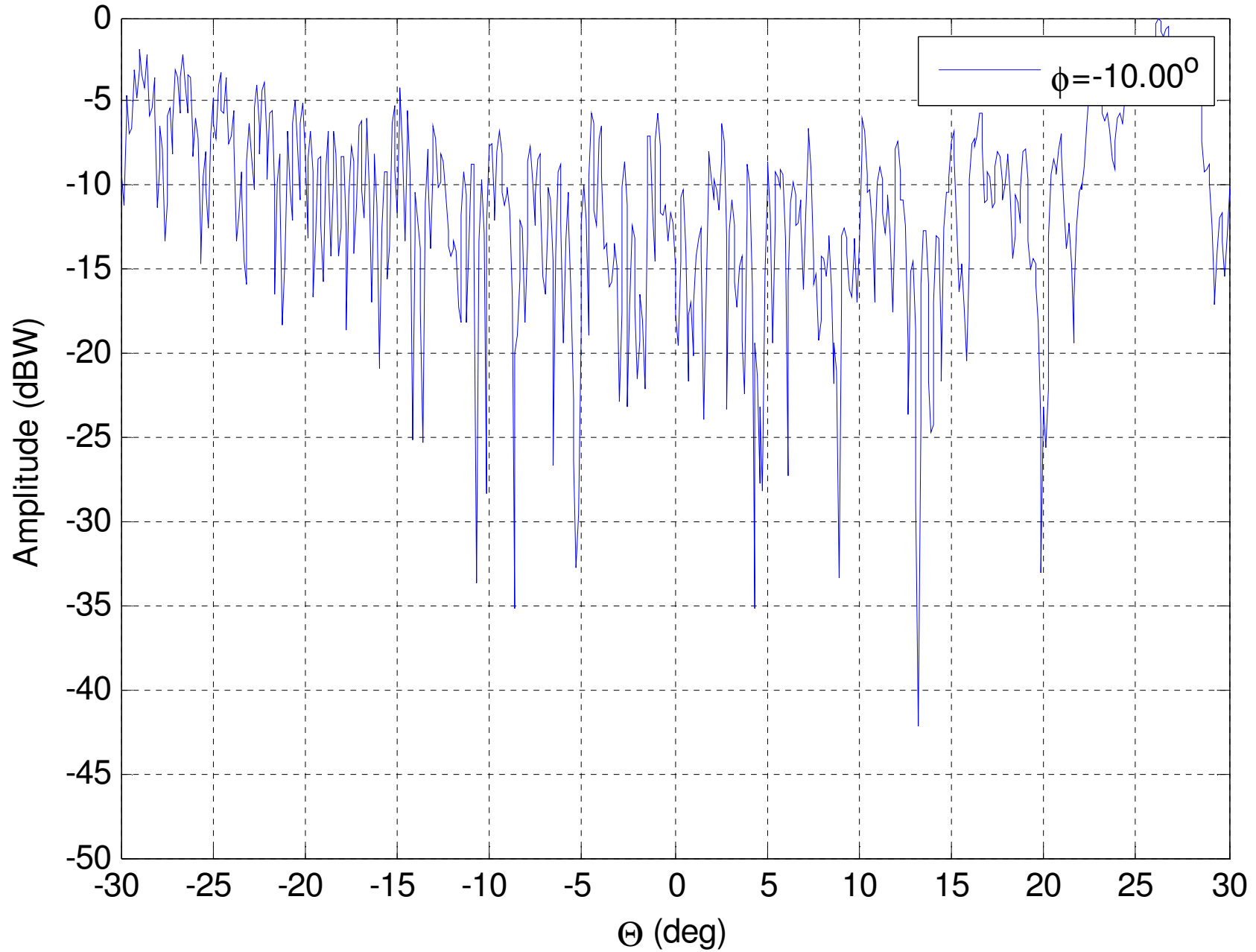
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--20.cut, Peak: 3.65 dBW, Date: 06-Oct-2011



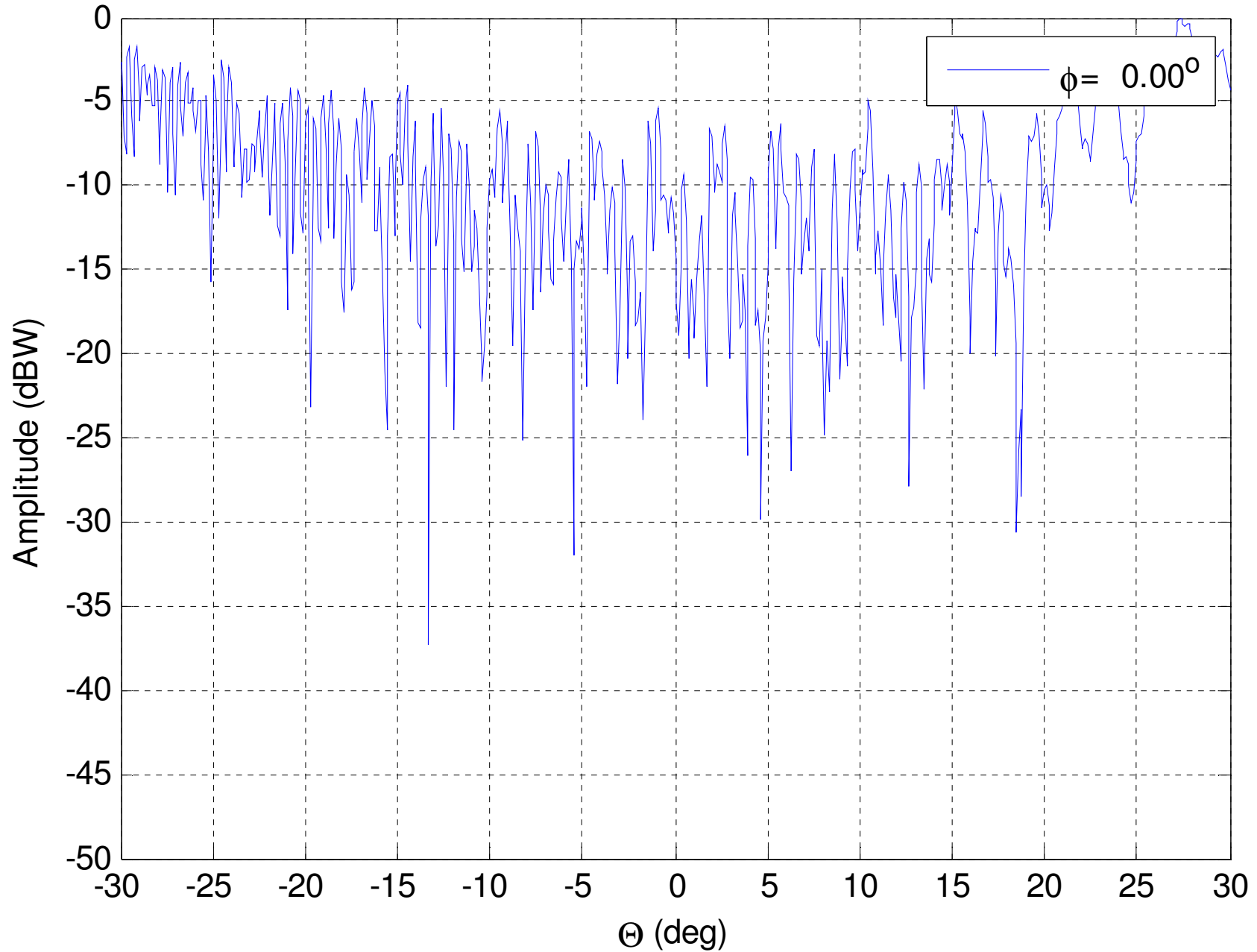
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--10.cut, Peak: 4.73 dBW, Date: 06-Oct-2011



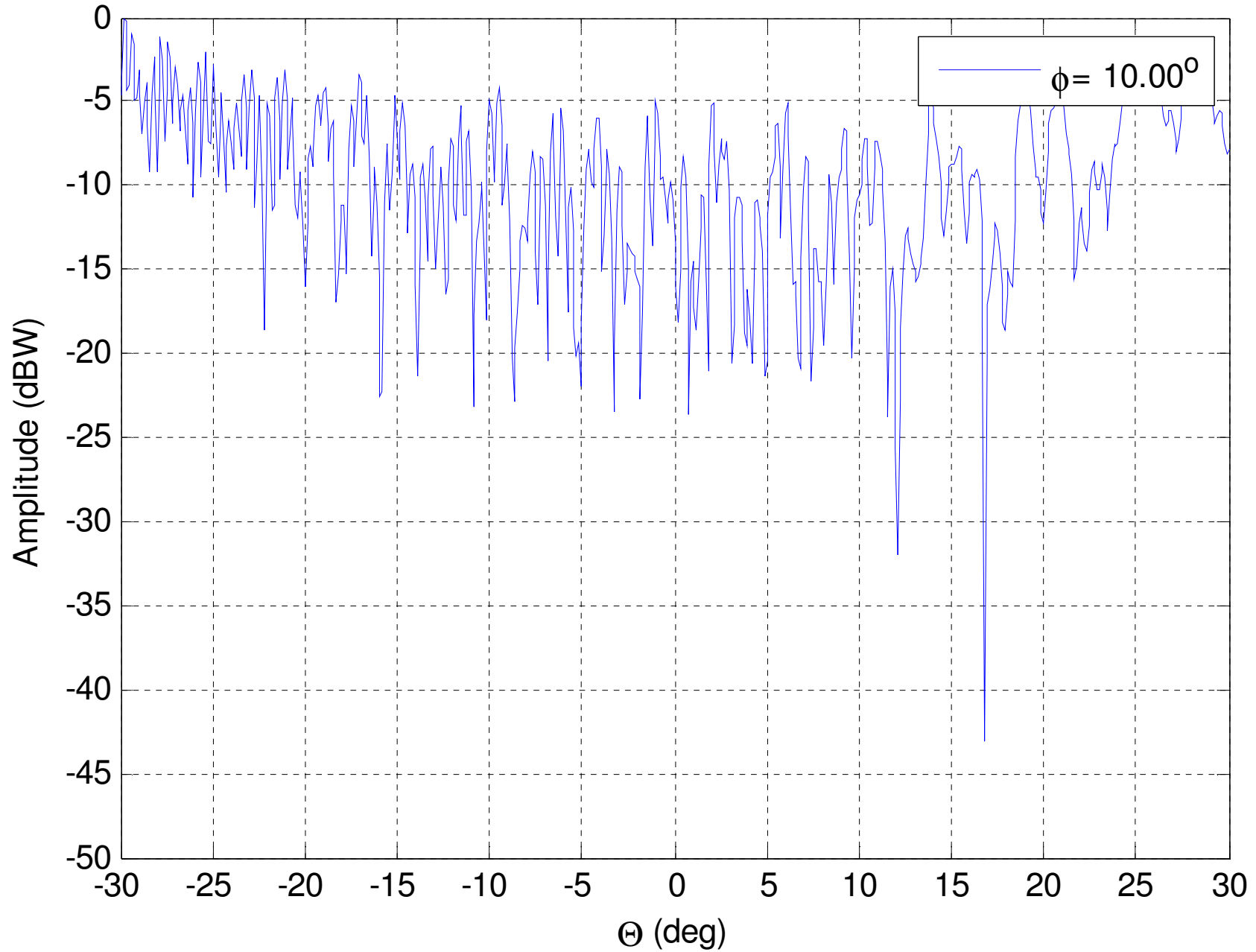
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-0.cut, Peak: 4.12 dBW, Date: 06-Oct-2011



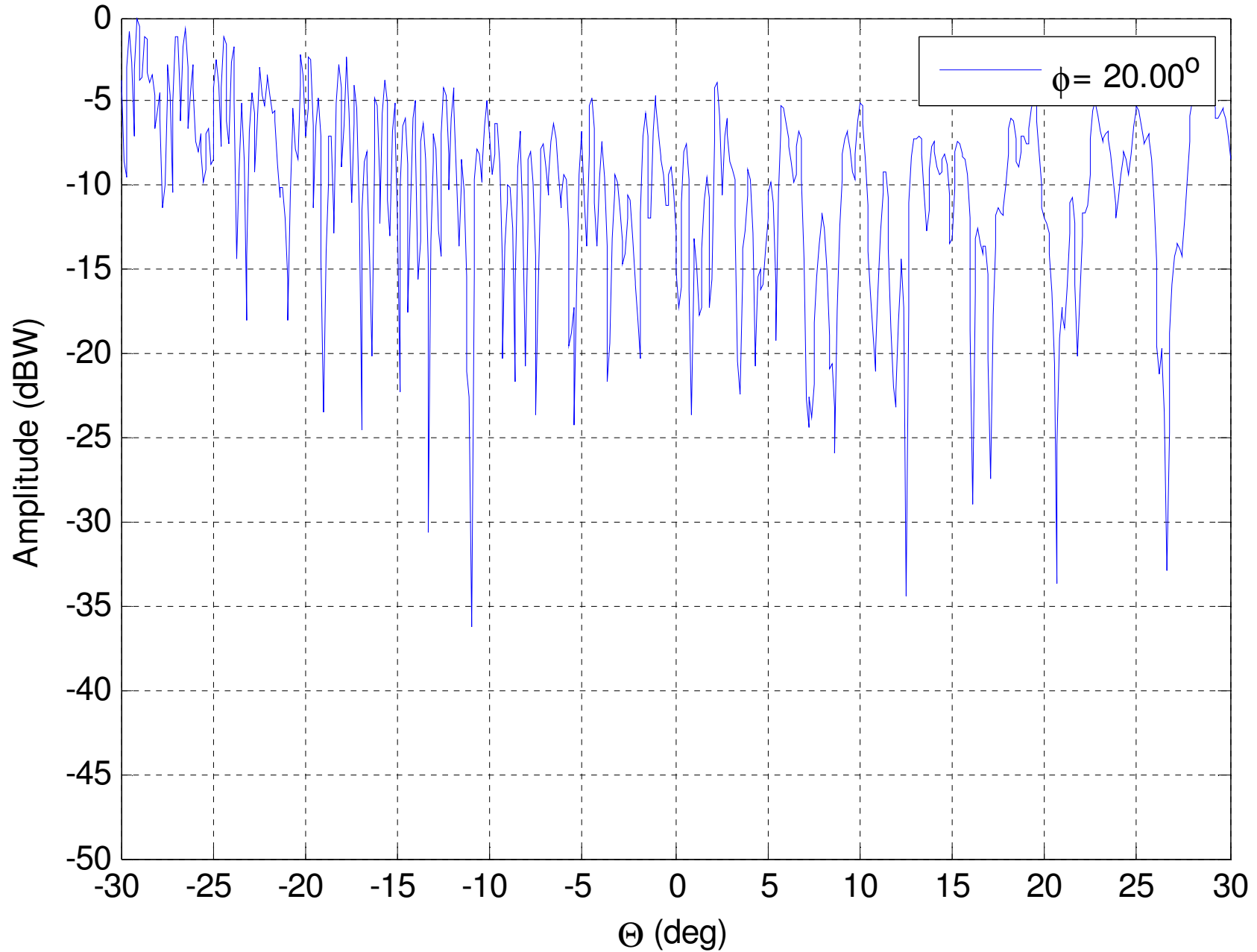
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-10.cut, Peak: 3.31 dBW, Date: 06-Oct-2011



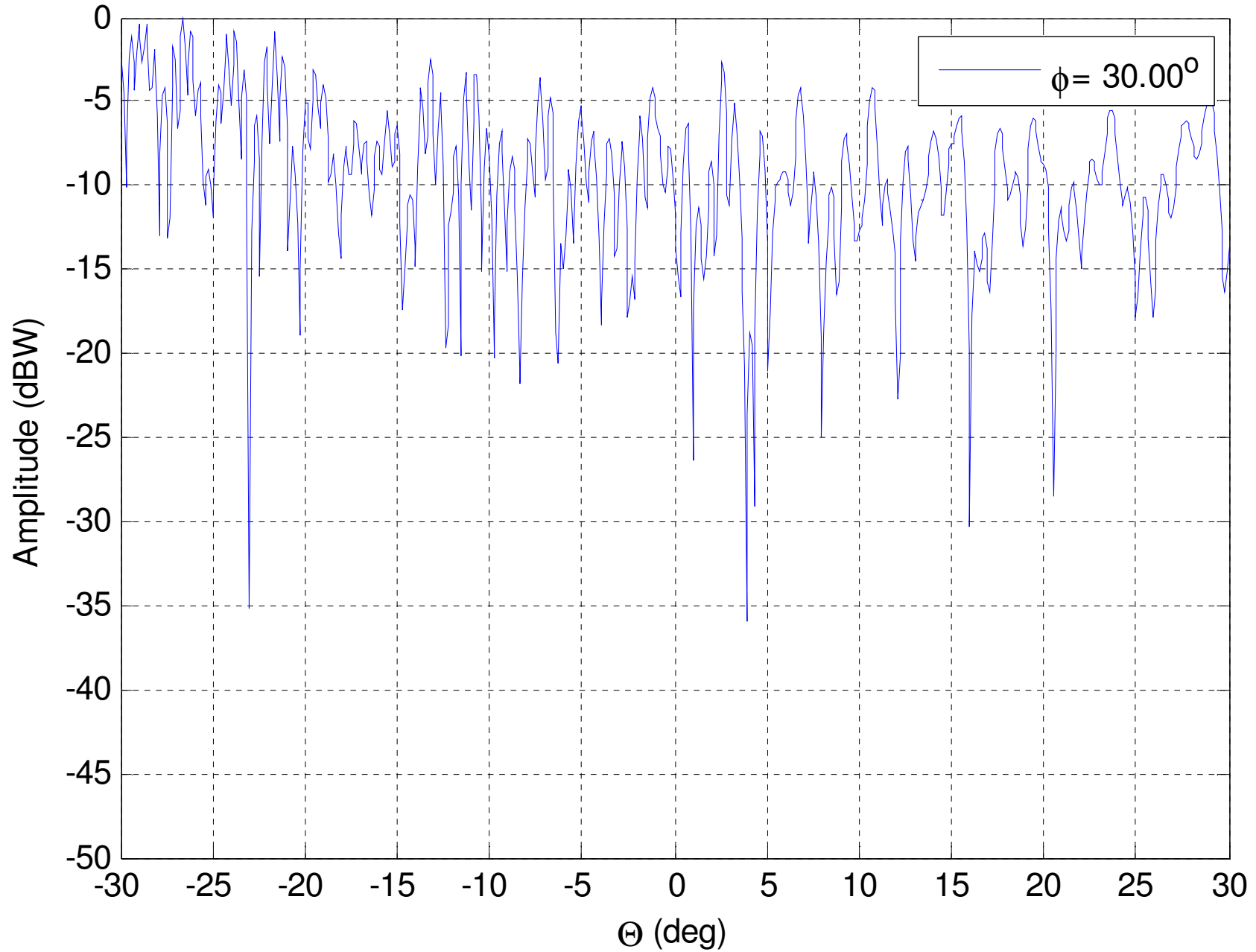
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-20.cut, Peak: 2.65 dBW, Date: 06-Oct-2011



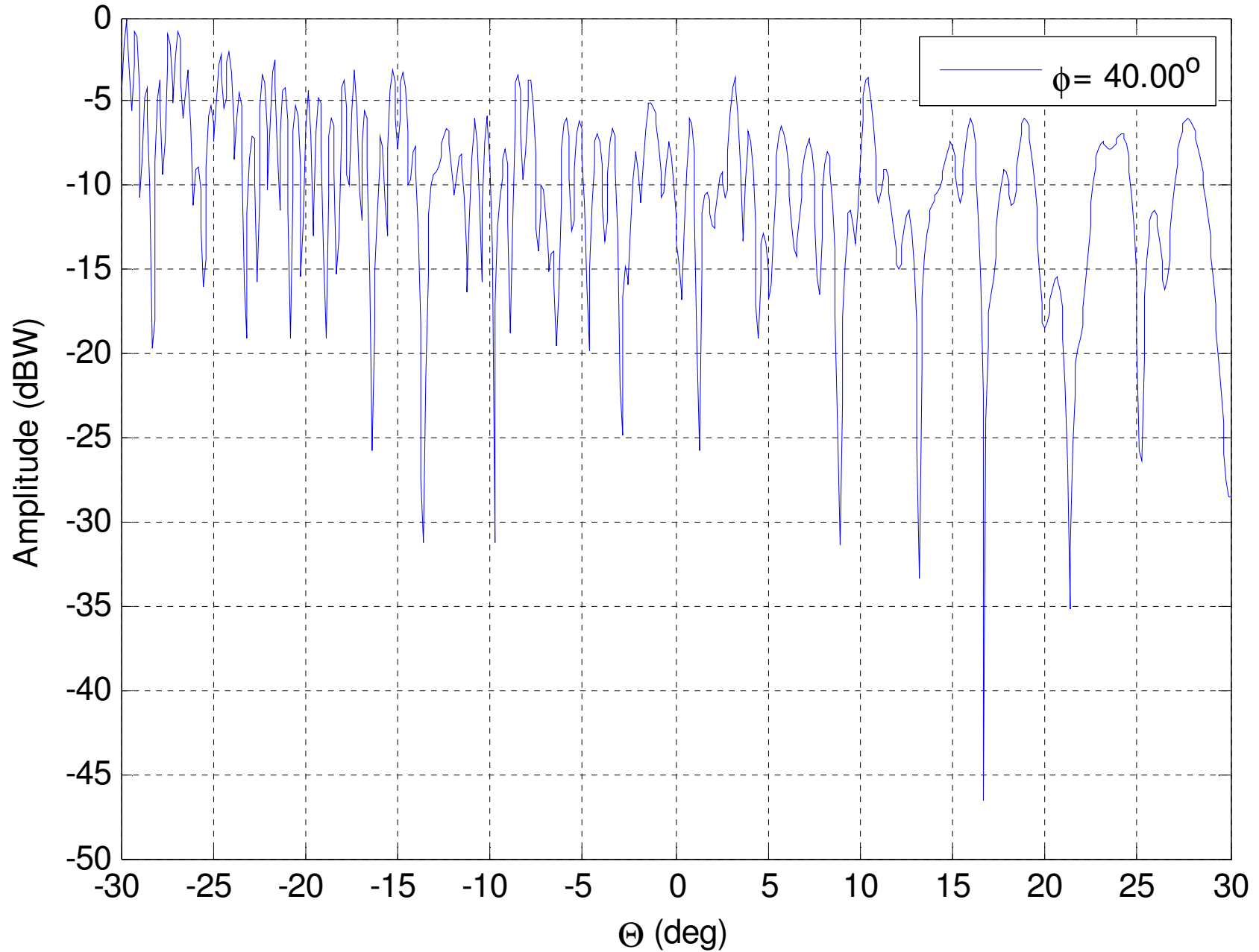
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-30.cut, Peak: 1.62 dBW, Date: 06-Oct-2011



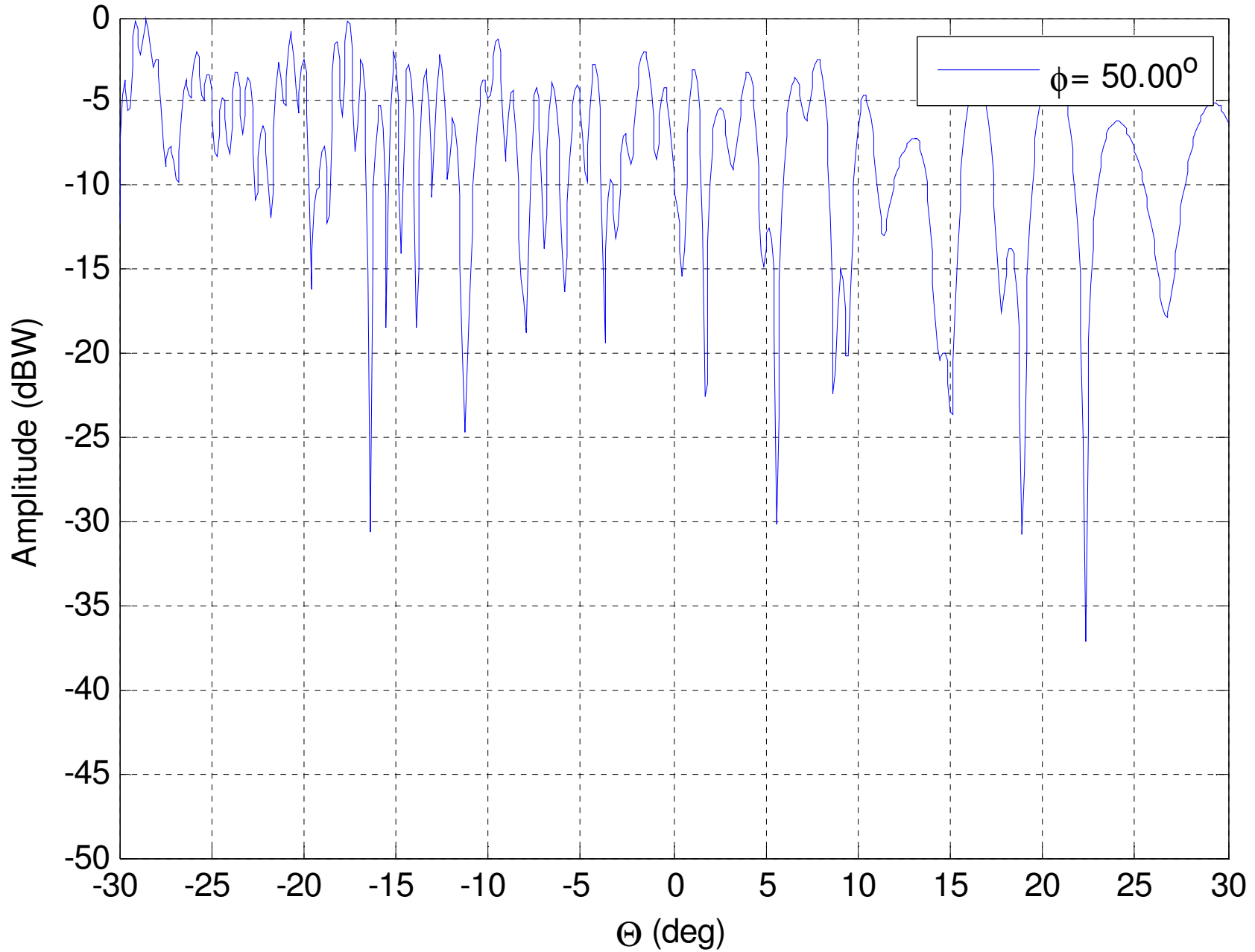
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-40.cut, Peak: 1.72 dBW, Date: 06-Oct-2011



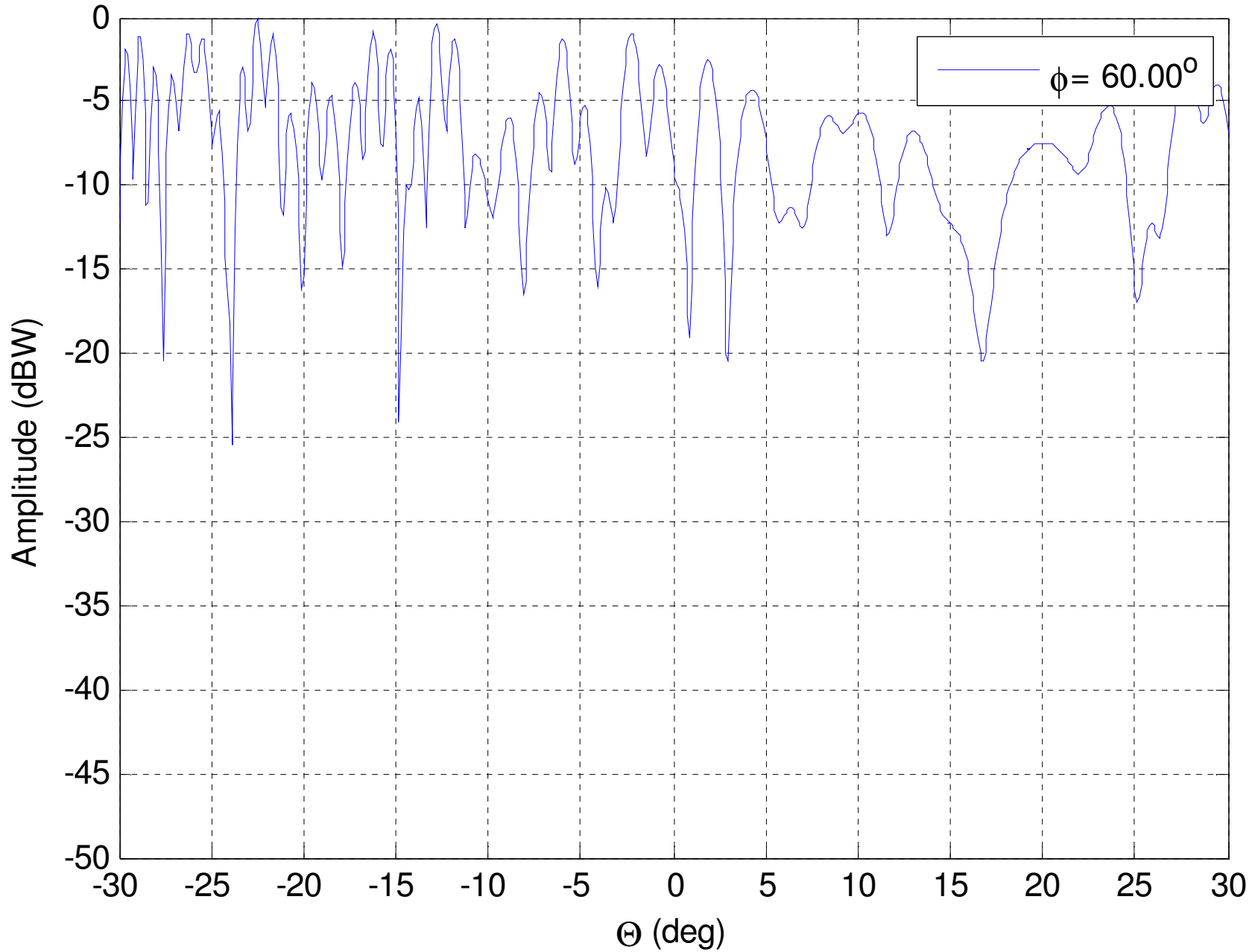
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-50.cut, Peak: -0.93 dBW, Date: 06-Oct-2011



Normalized pattern cuts - farfield

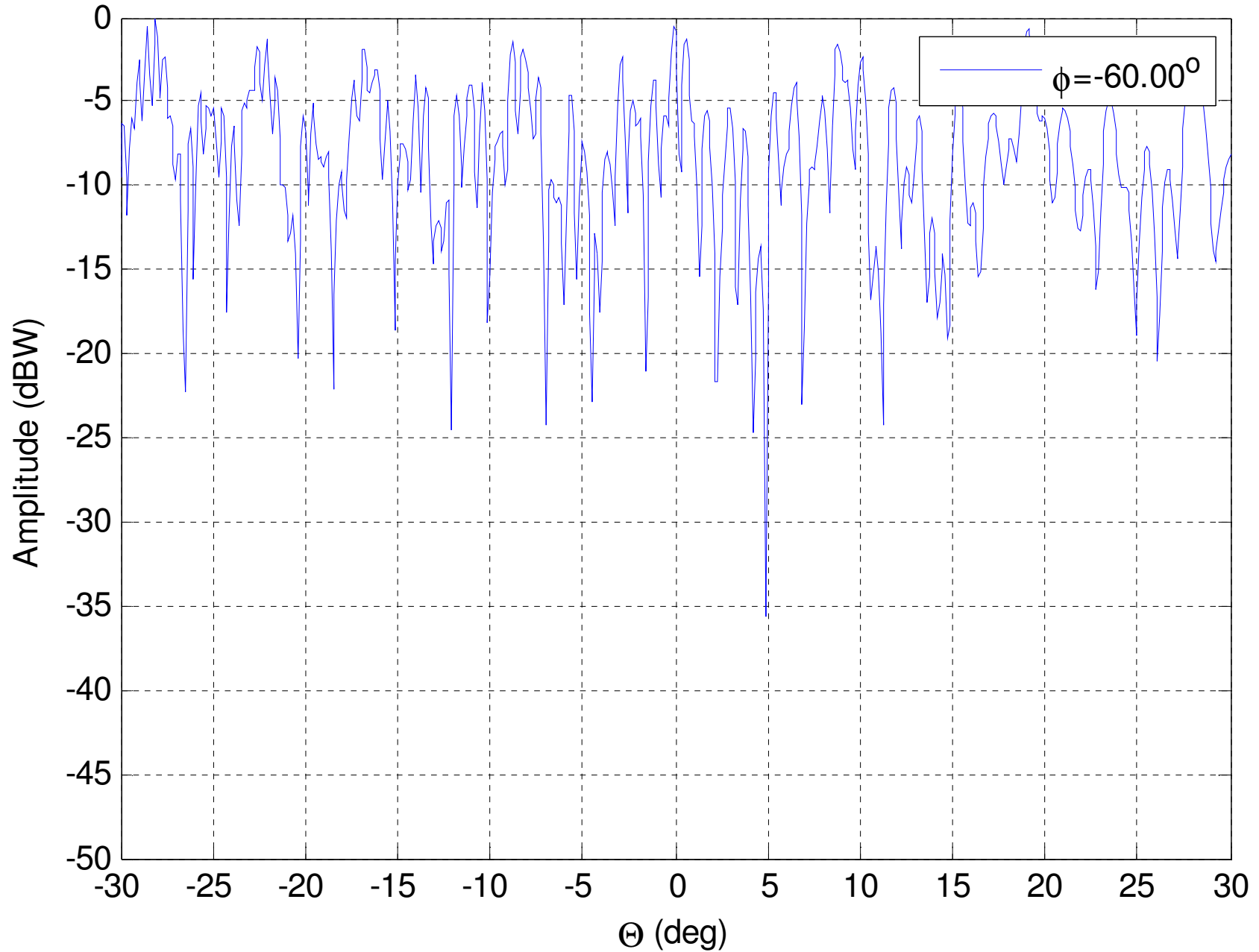
Input file: tx-17.3-lhcp-60.cut, Peak: -1.47 dBW, Date: 06-Oct-2011



RHCP at 17.5 GHz

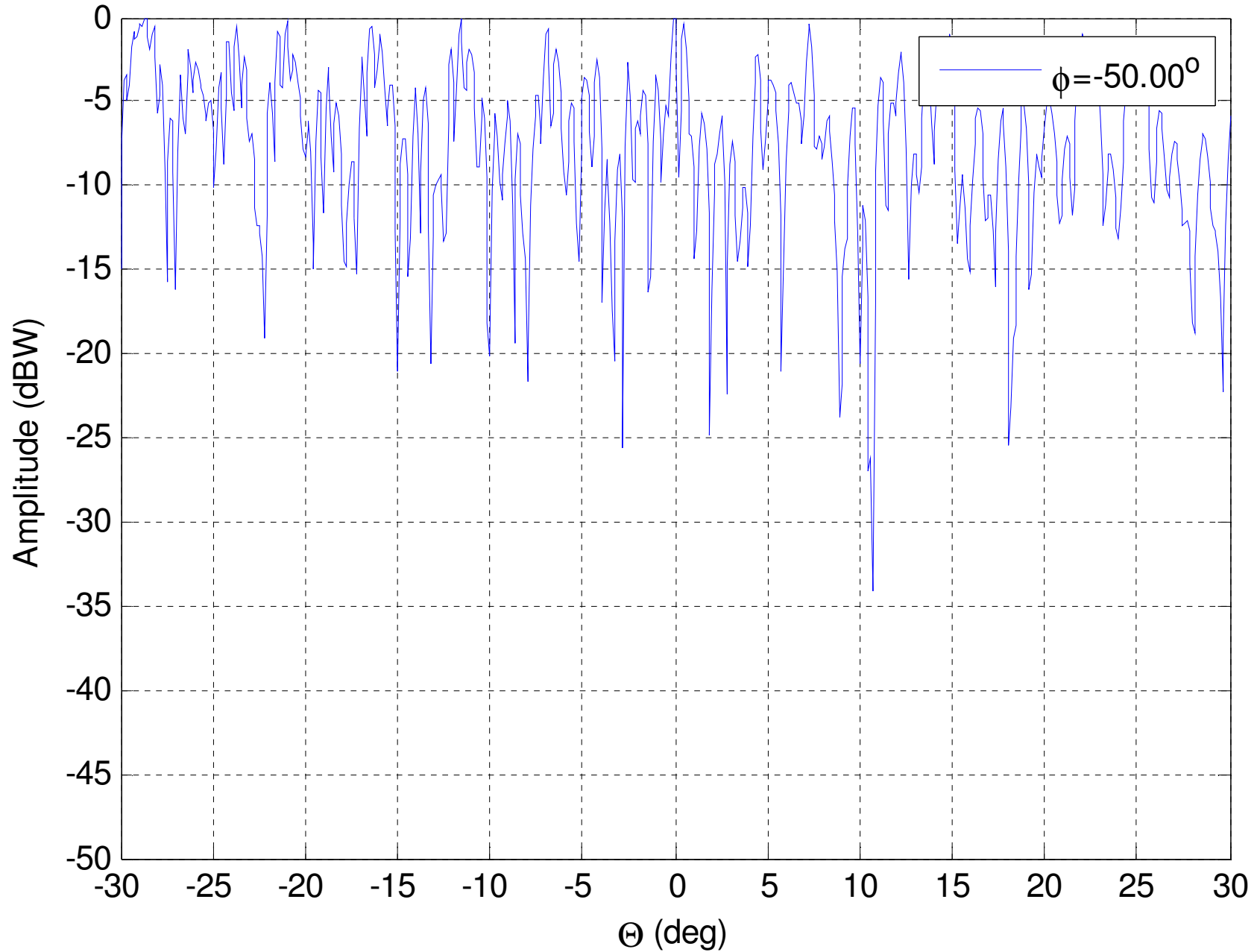
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--60.cut, Peak: -1.18 dBW, Date: 06-Oct-2011



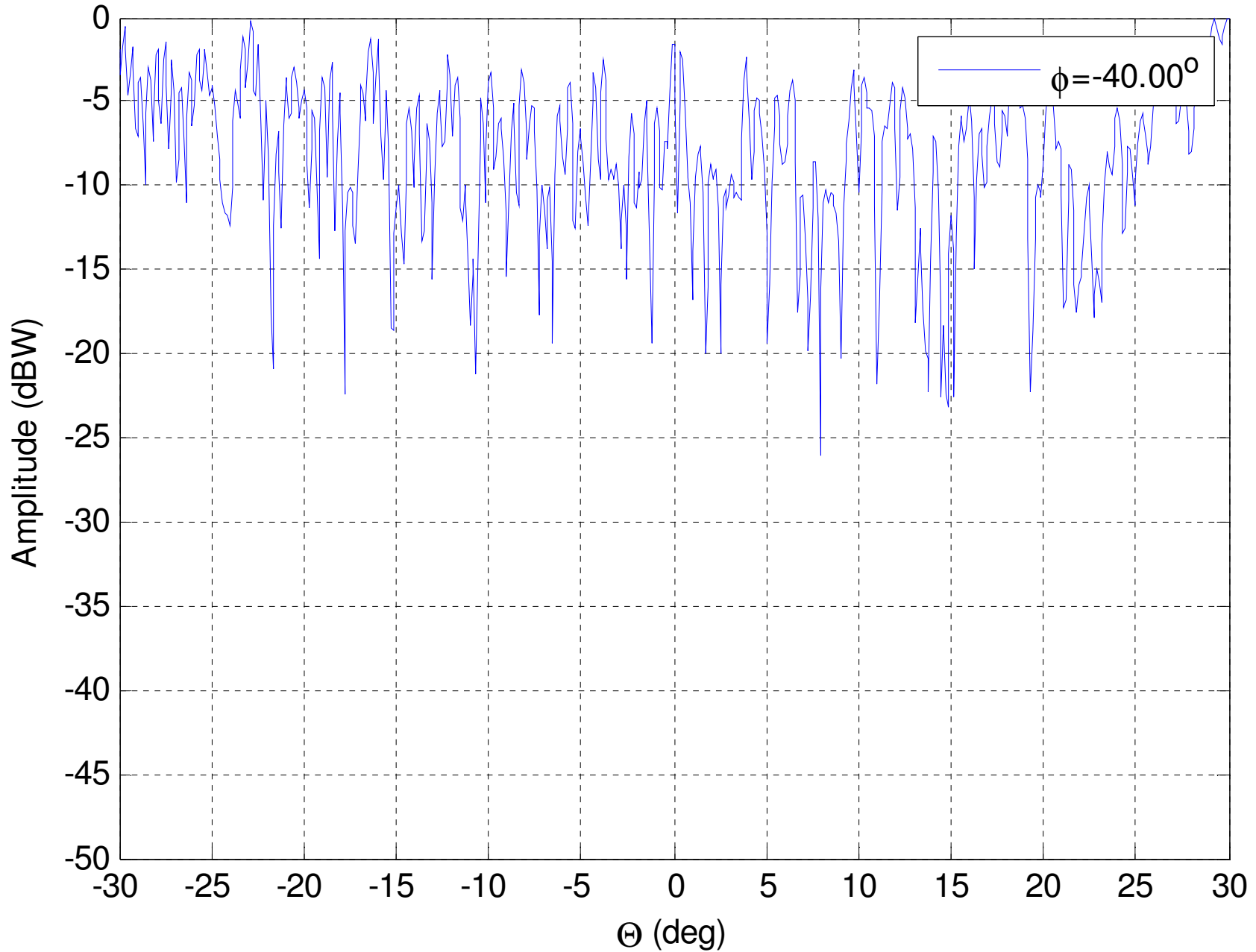
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--50.cut, Peak: -1.87 dBW, Date: 06-Oct-2011



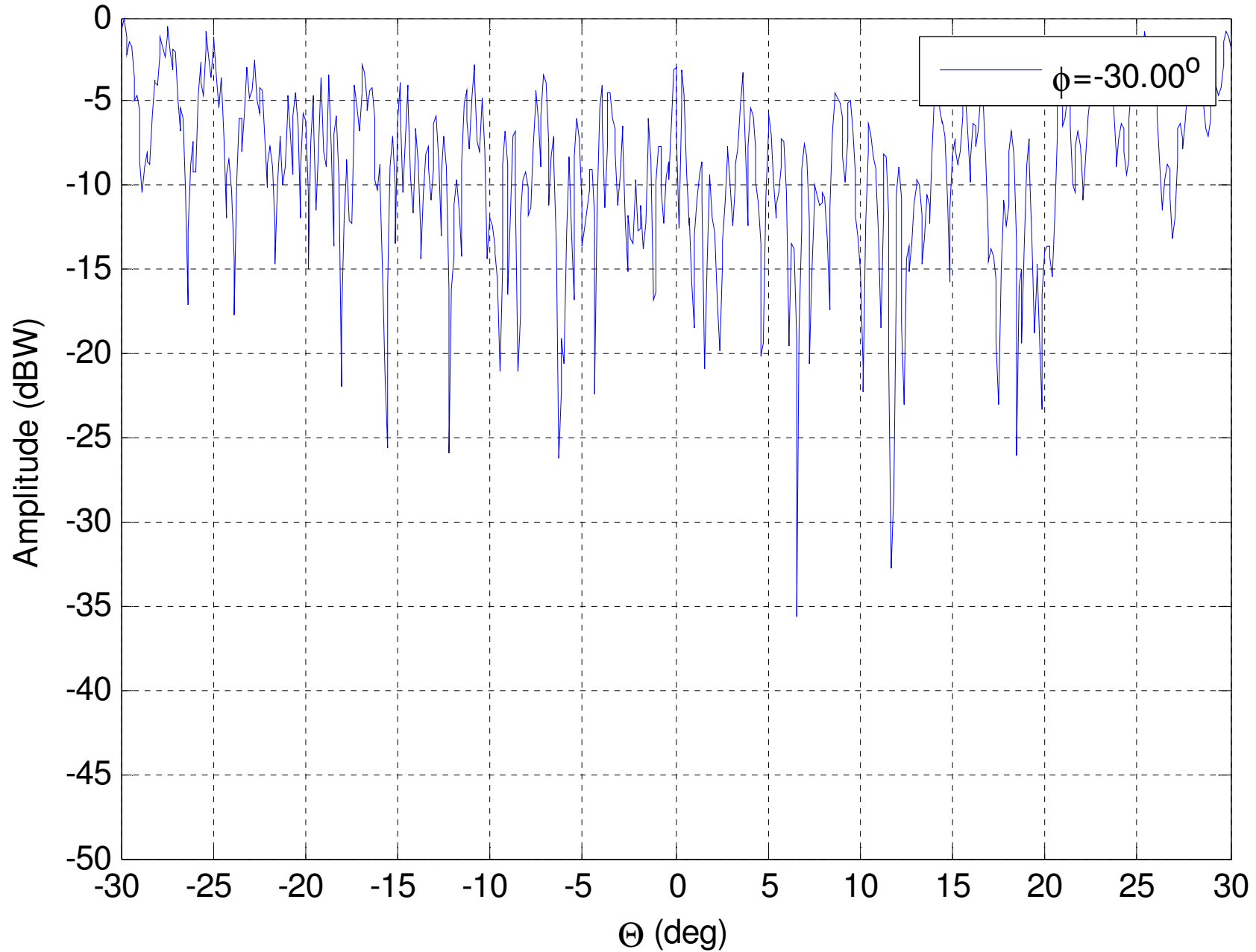
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--40.cut, Peak: -0.37 dBW, Date: 06-Oct-2011



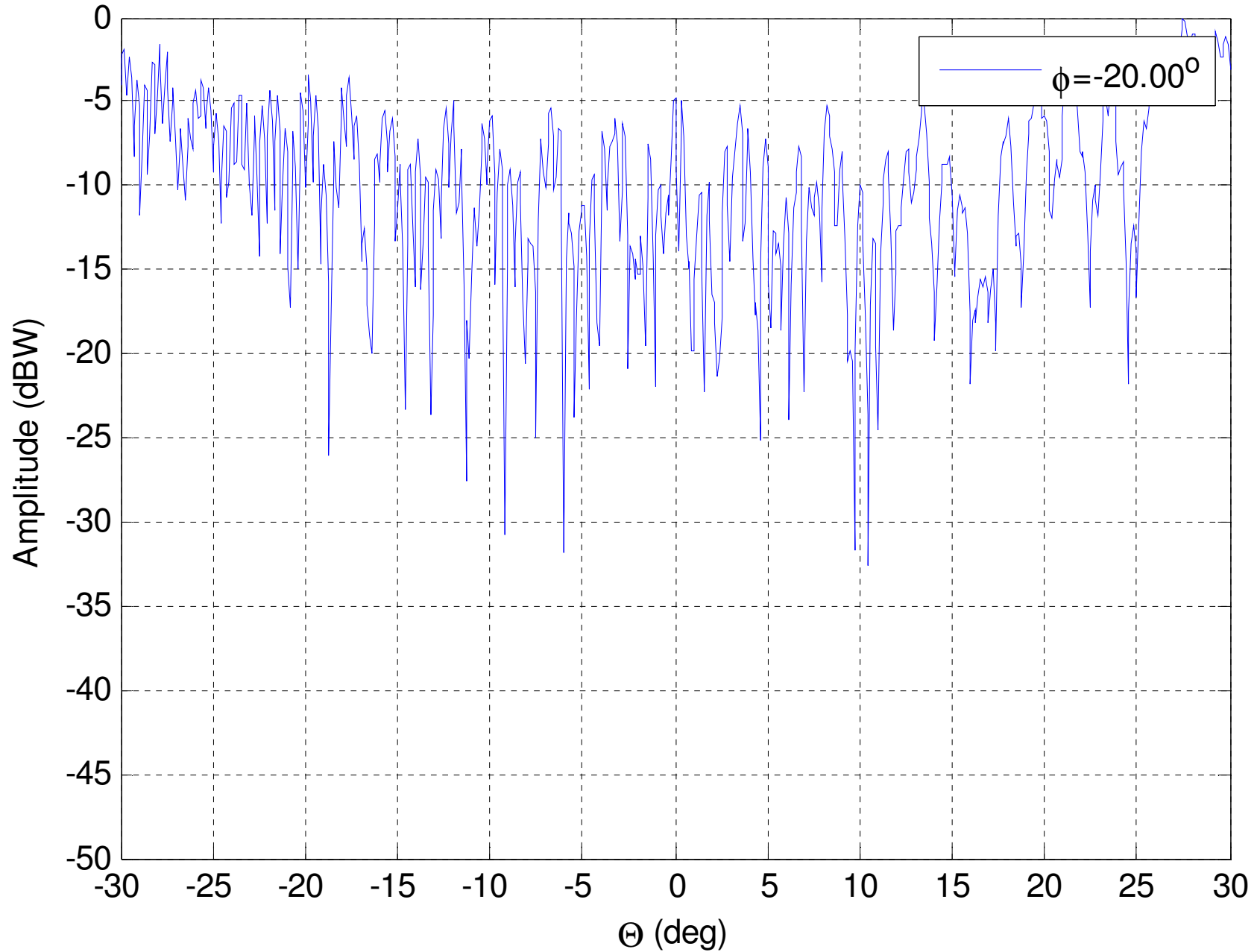
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--30.cut, Peak: 0.98 dBW, Date: 06-Oct-2011



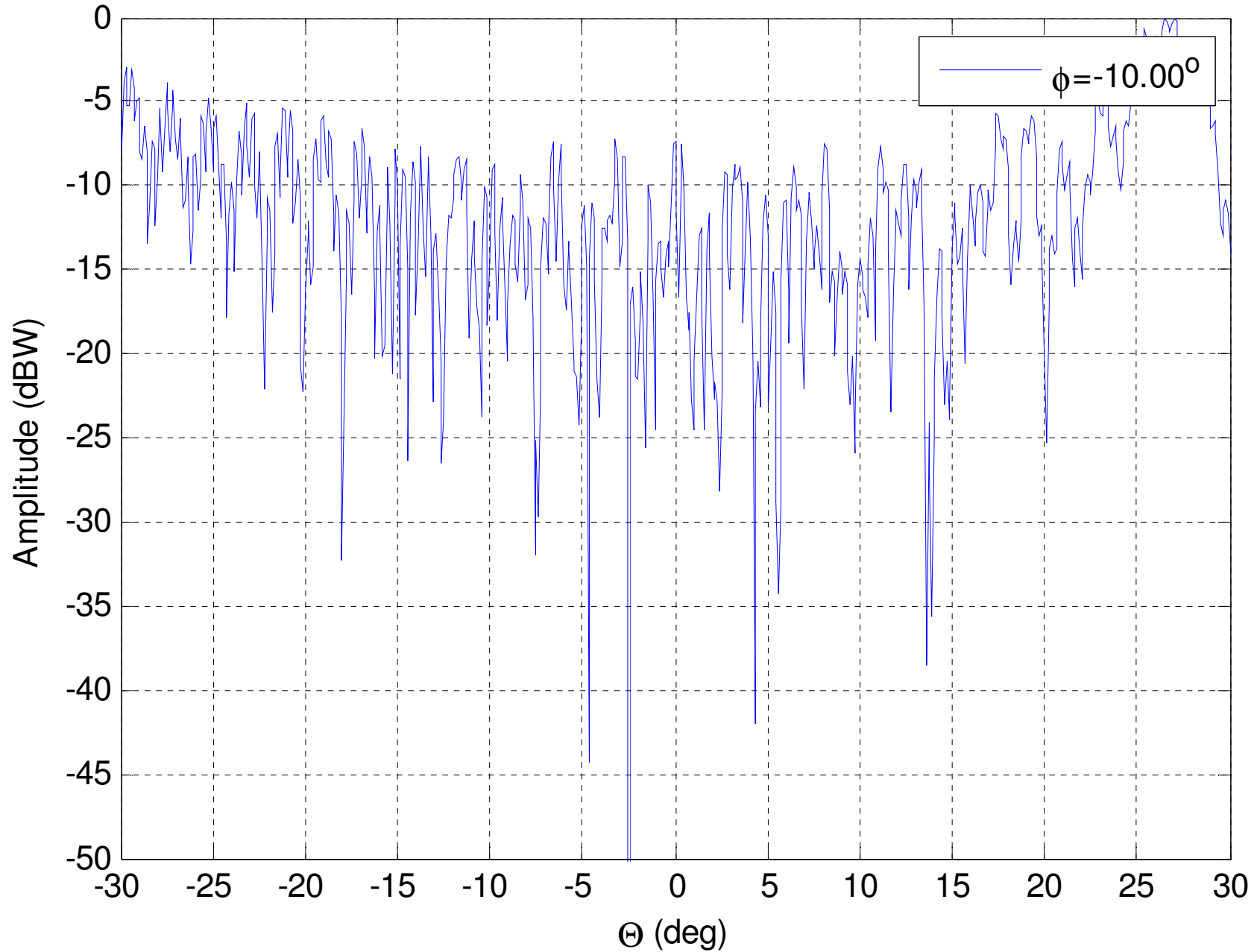
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--20.cut, Peak: 2.76 dBW, Date: 06-Oct-2011



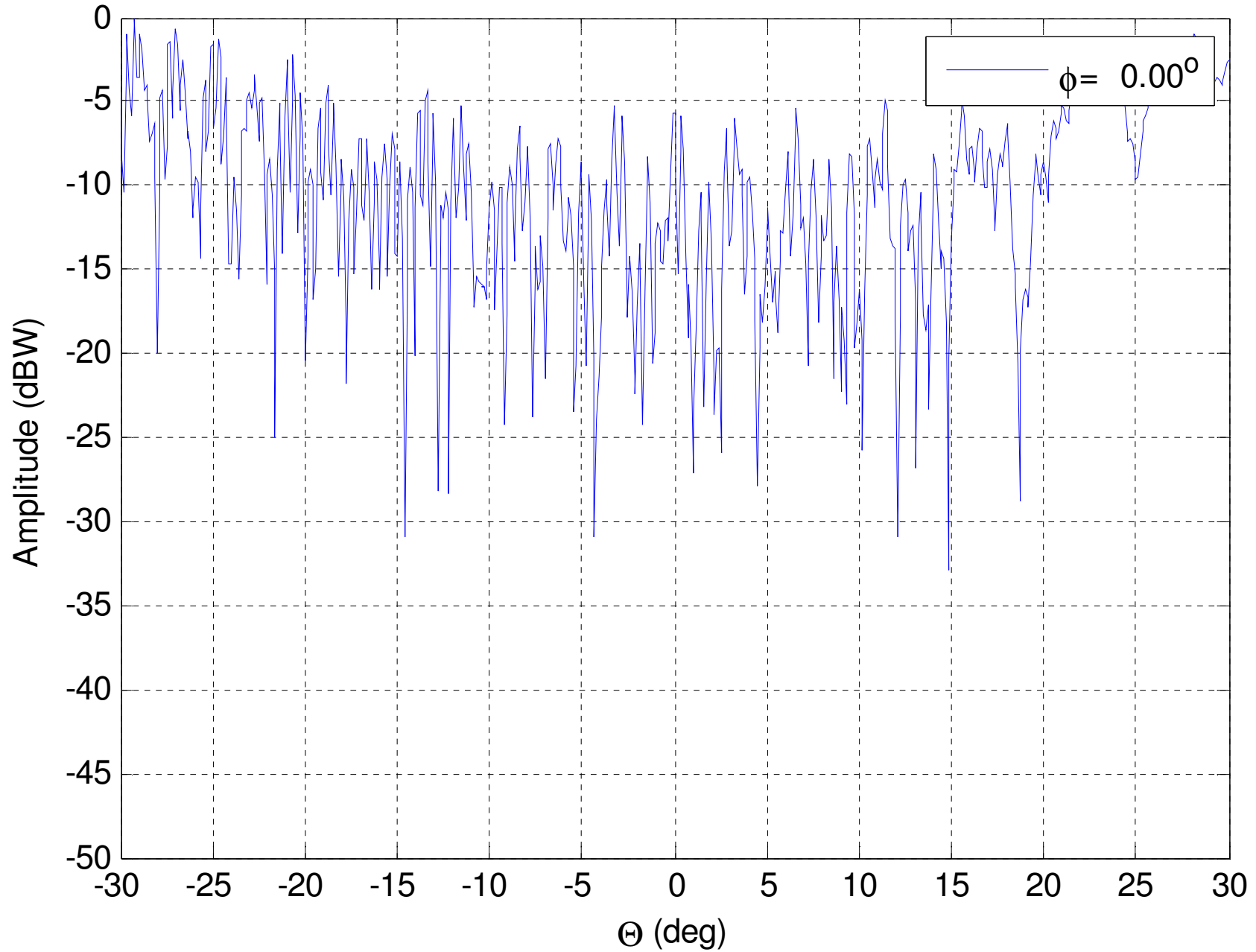
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--10.cut, Peak: 5.38 dBW, Date: 06-Oct-2011



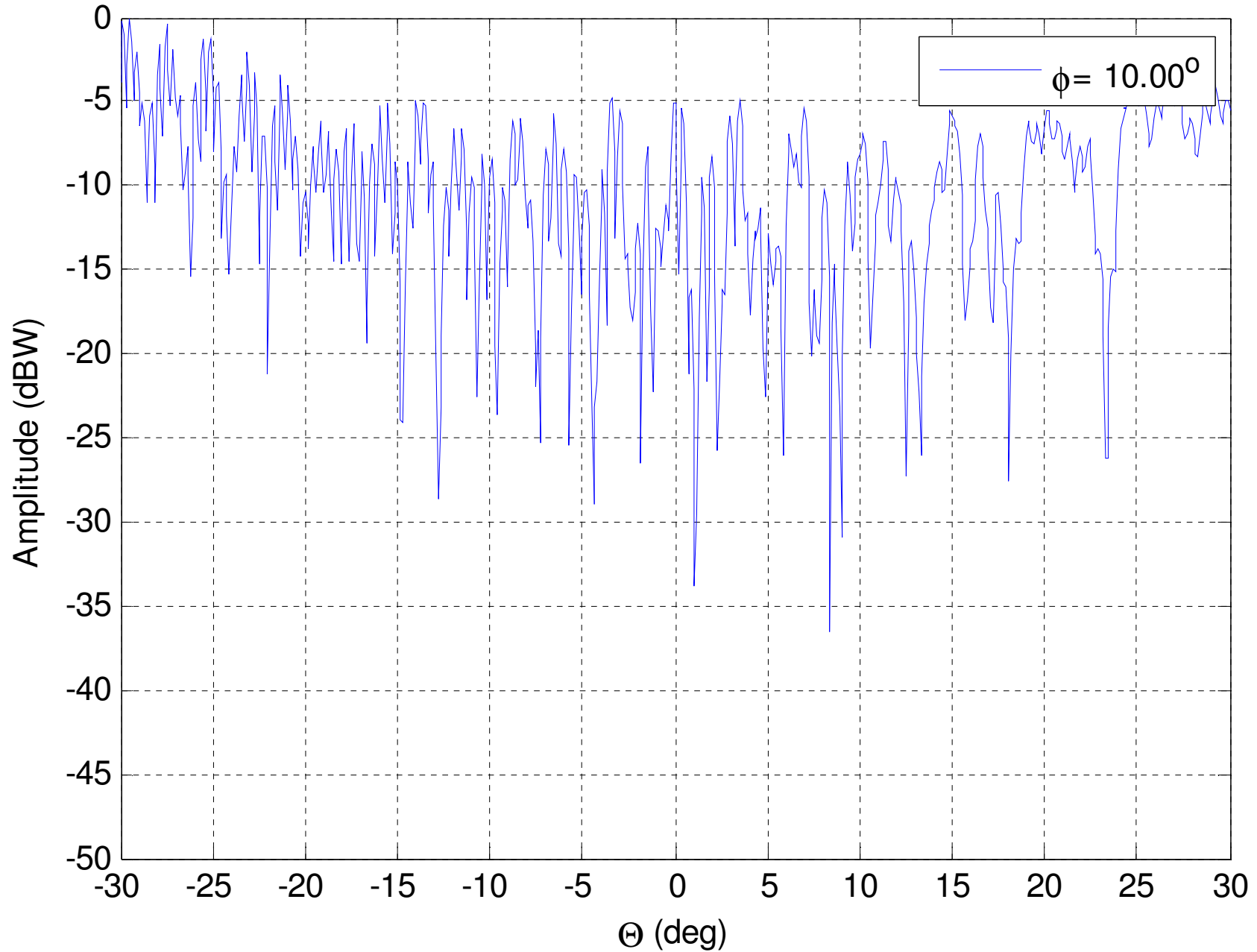
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-0.cut, Peak: 3.70 dBW, Date: 06-Oct-2011



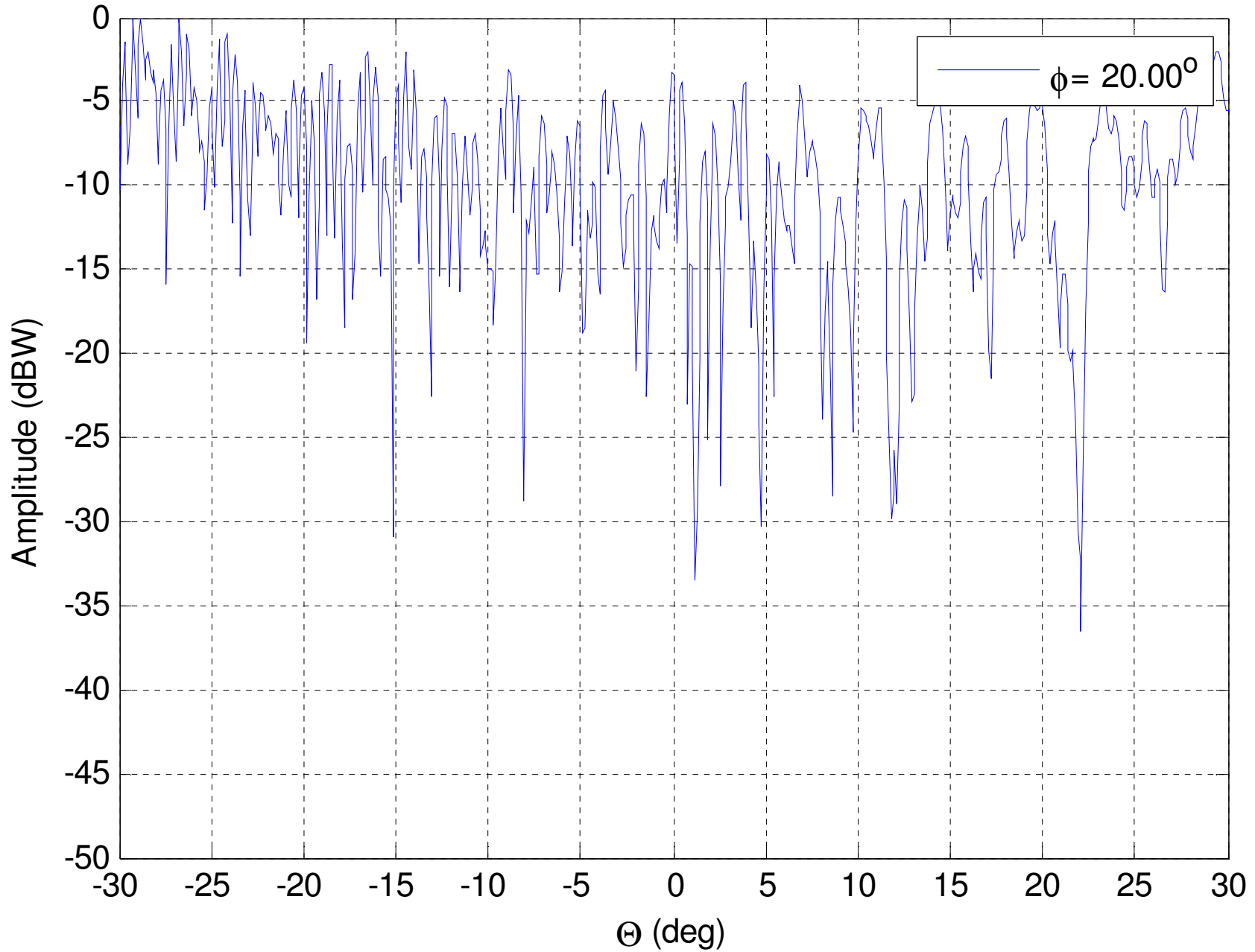
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-10.cut, Peak: 3.10 dBW, Date: 06-Oct-2011



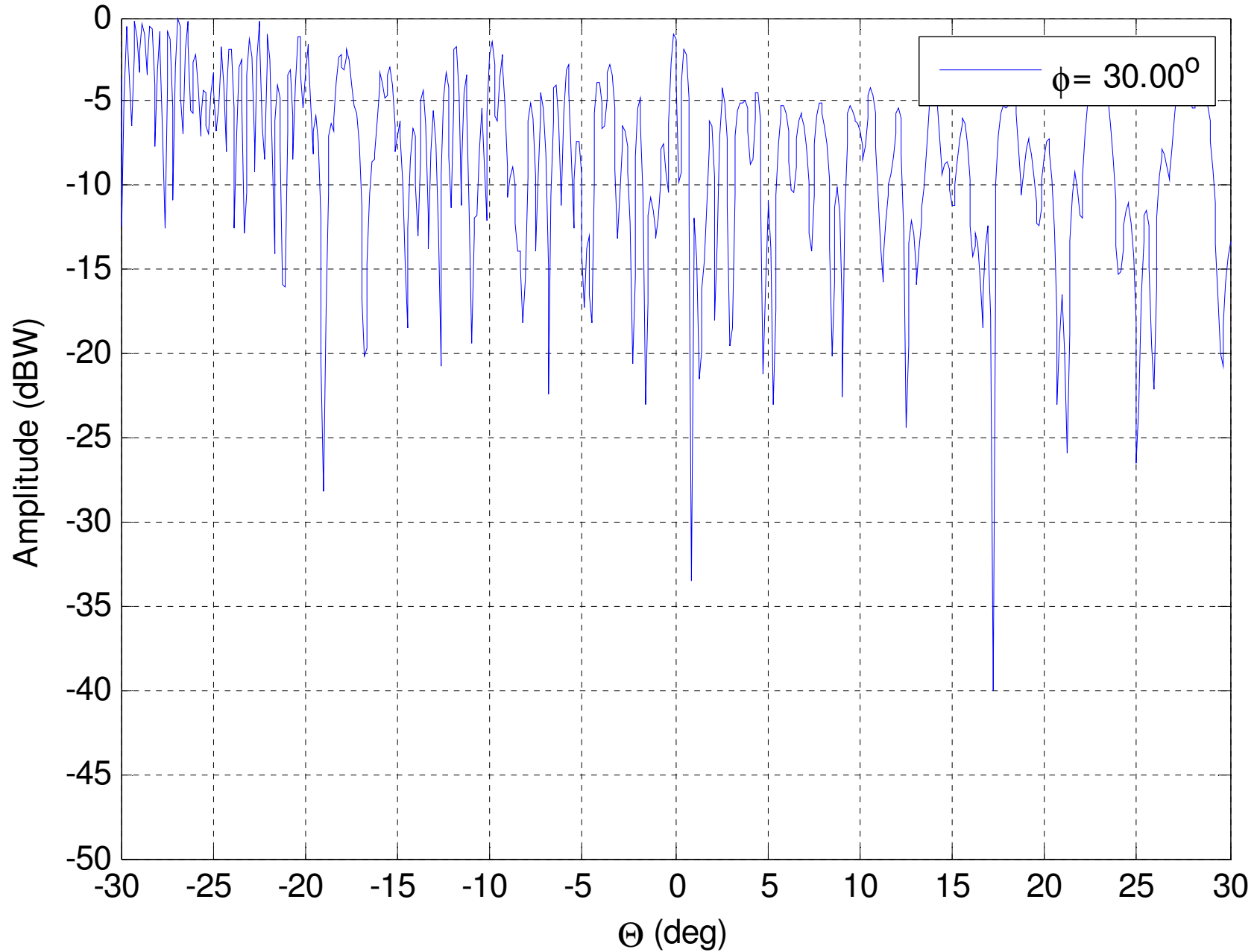
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-20.cut, Peak: 1.46 dBW, Date: 06-Oct-2011



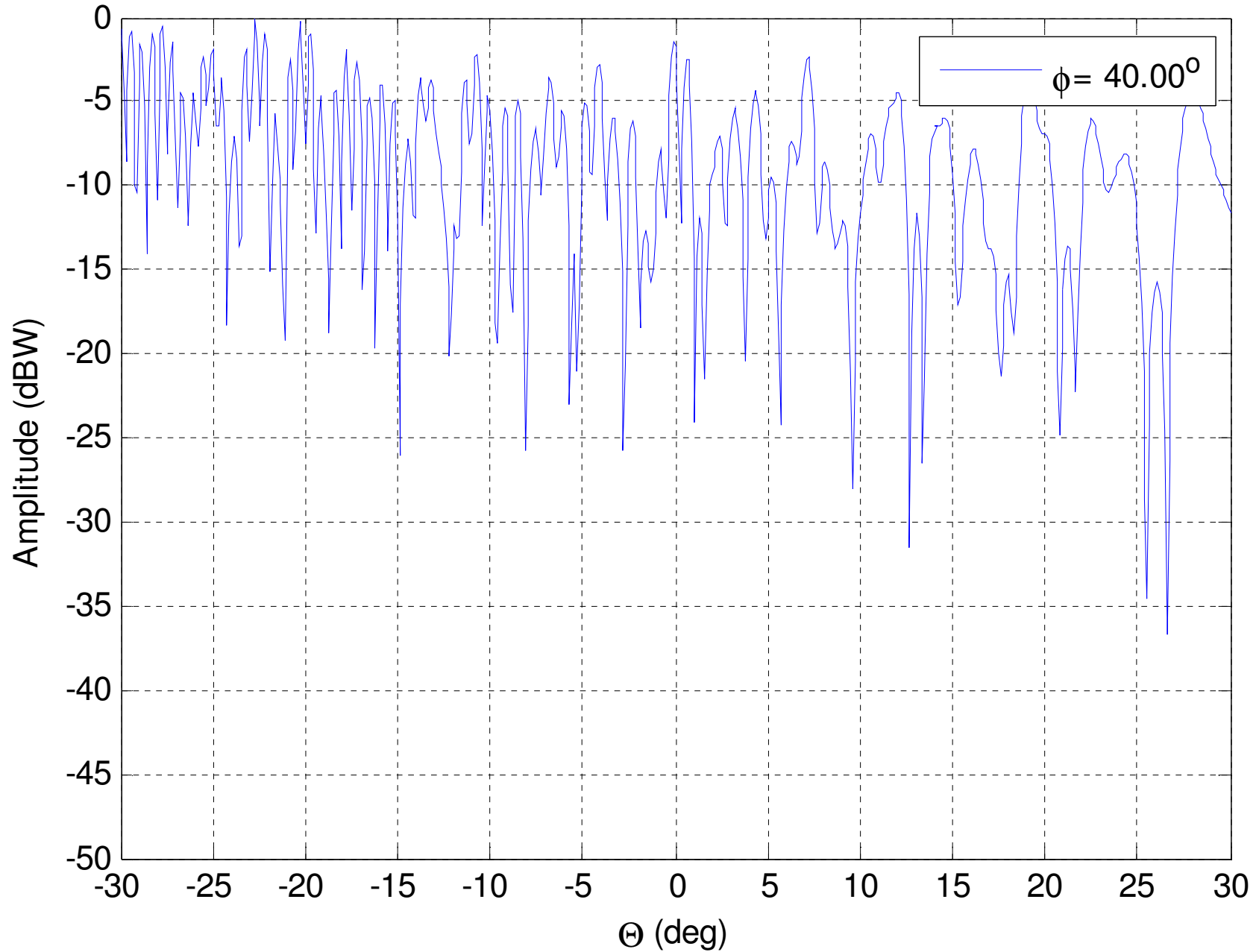
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-30.cut, Peak: -0.63 dBW, Date: 06-Oct-2011



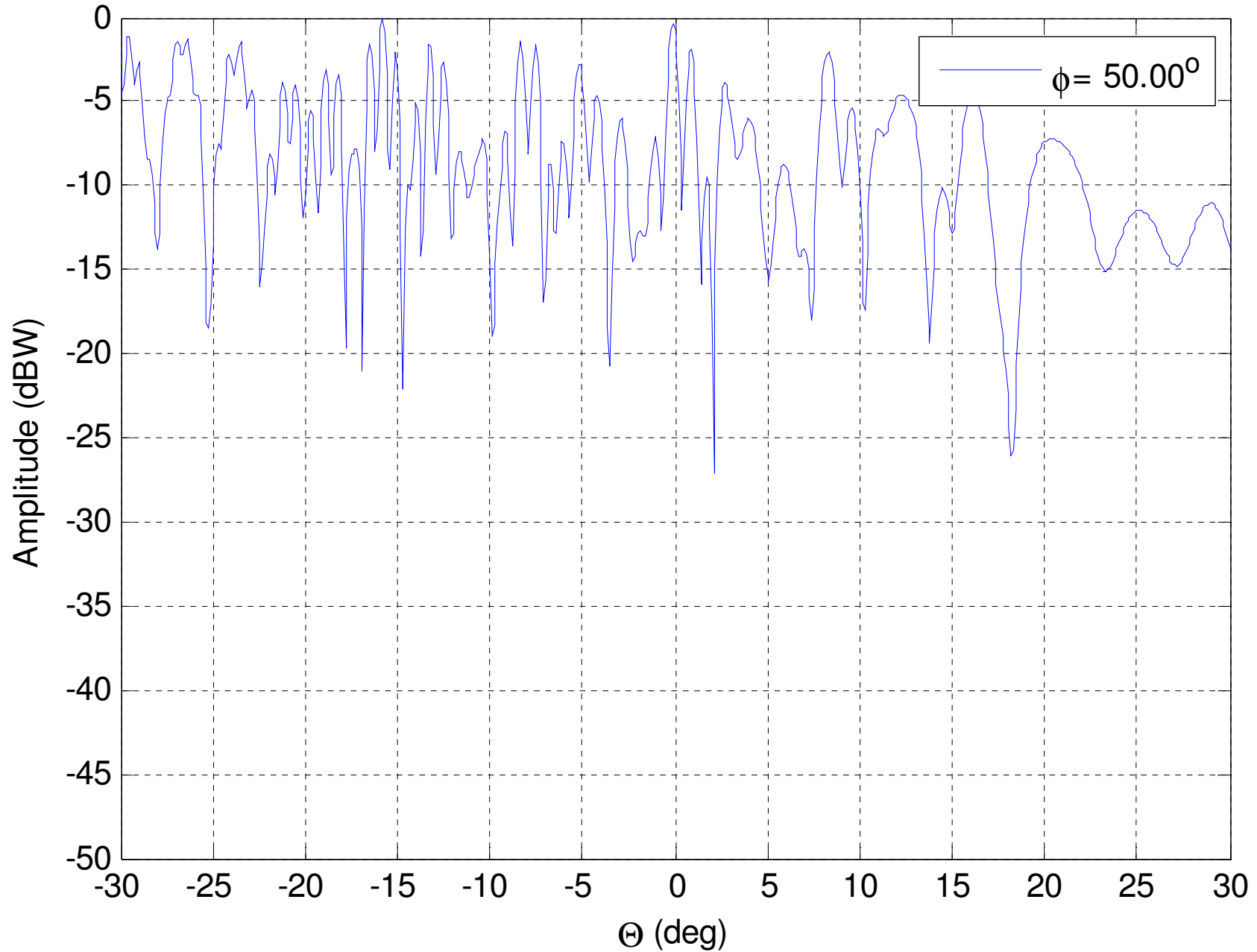
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-40.cut, Peak: -0.18 dBW, Date: 06-Oct-2011



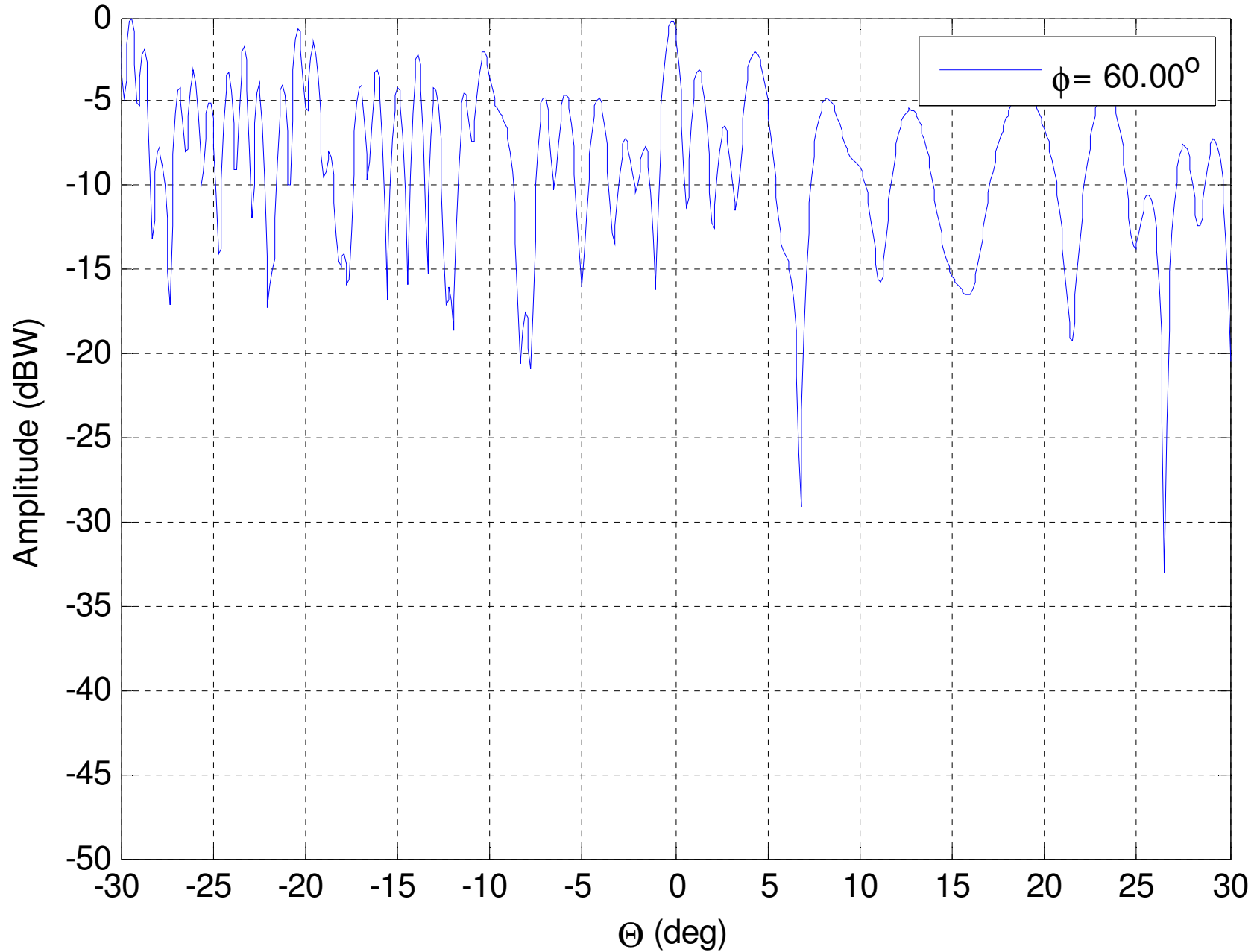
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-50.cut, Peak: -1.06 dBW, Date: 06-Oct-2011



Normalized pattern cuts - farfield

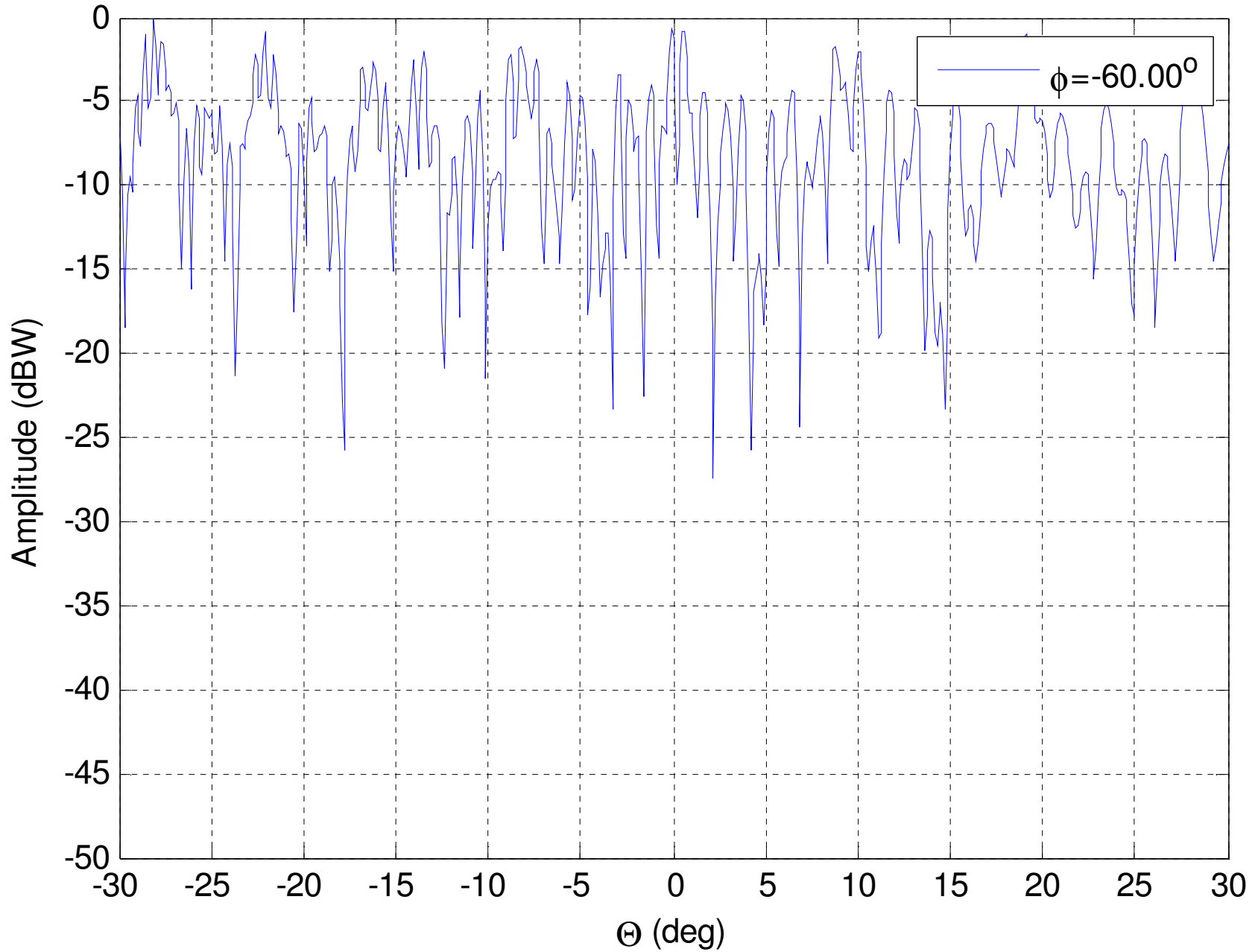
Input file: tx-17.5-rhcp-60.cut, Peak: -1.26 dBW, Date: 06-Oct-2011



LHCP at 17.5 GHz

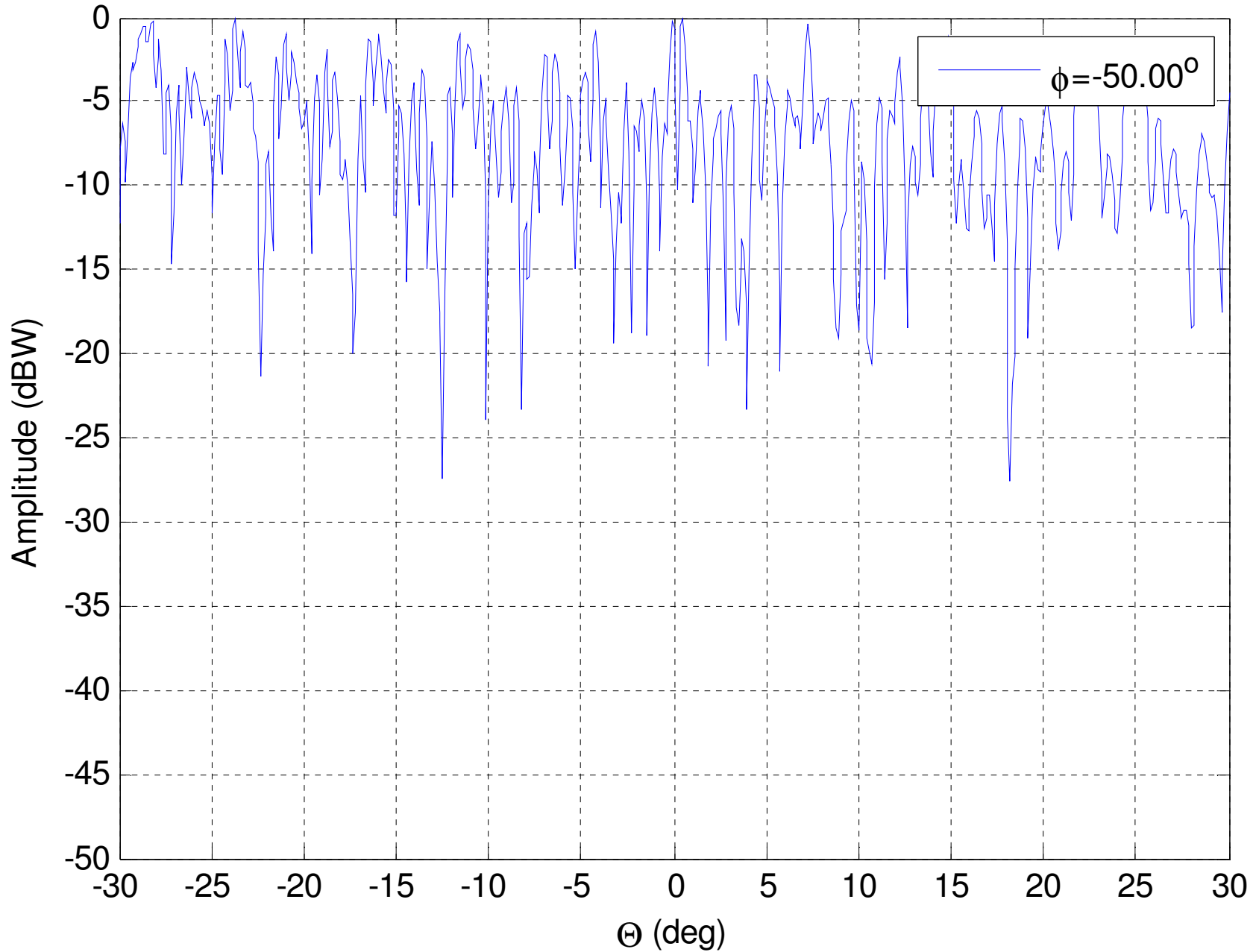
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--60.cut, Peak: -1.12 dBW, Date: 06-Oct-2011



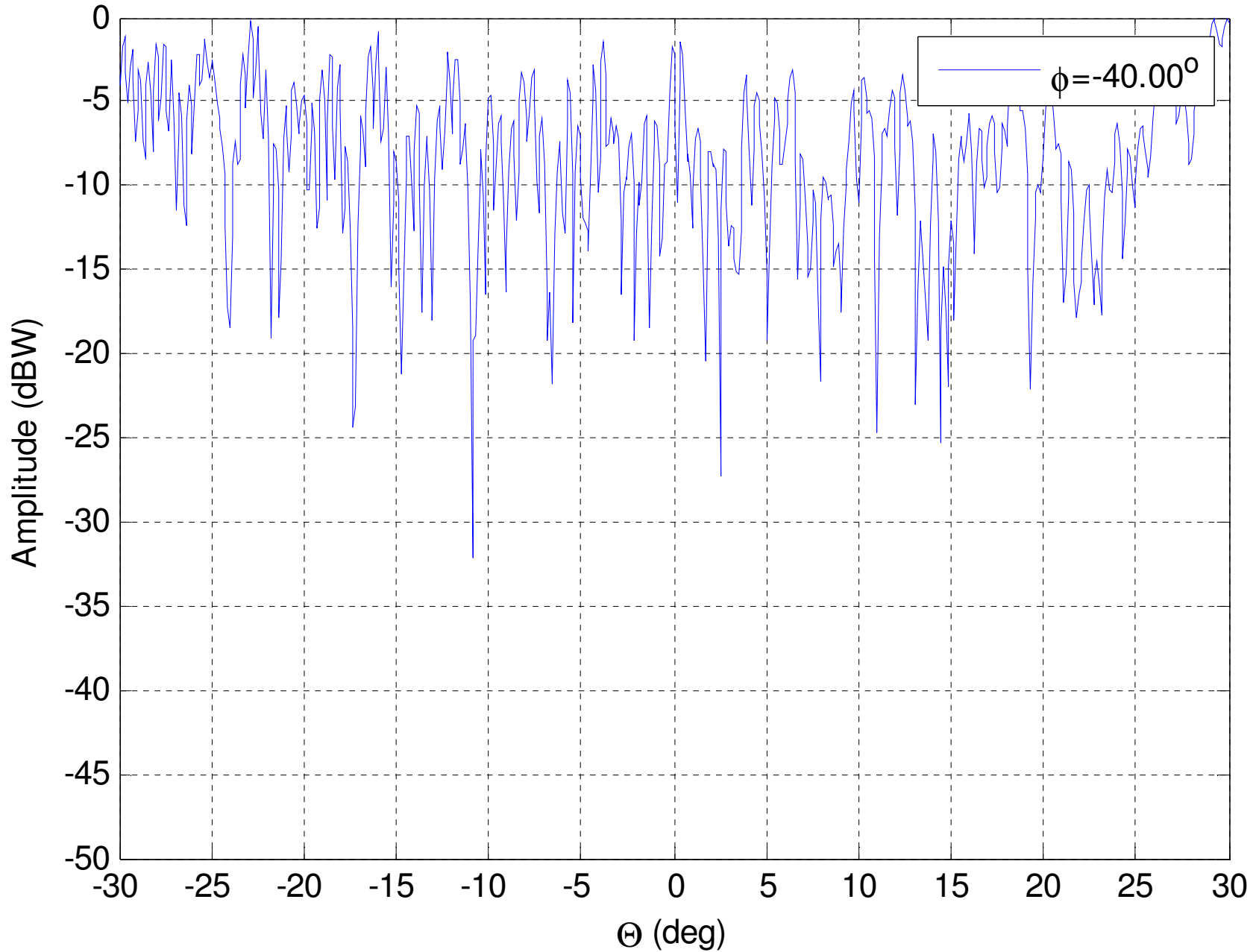
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--50.cut, Peak: -1.74 dBW, Date: 06-Oct-2011



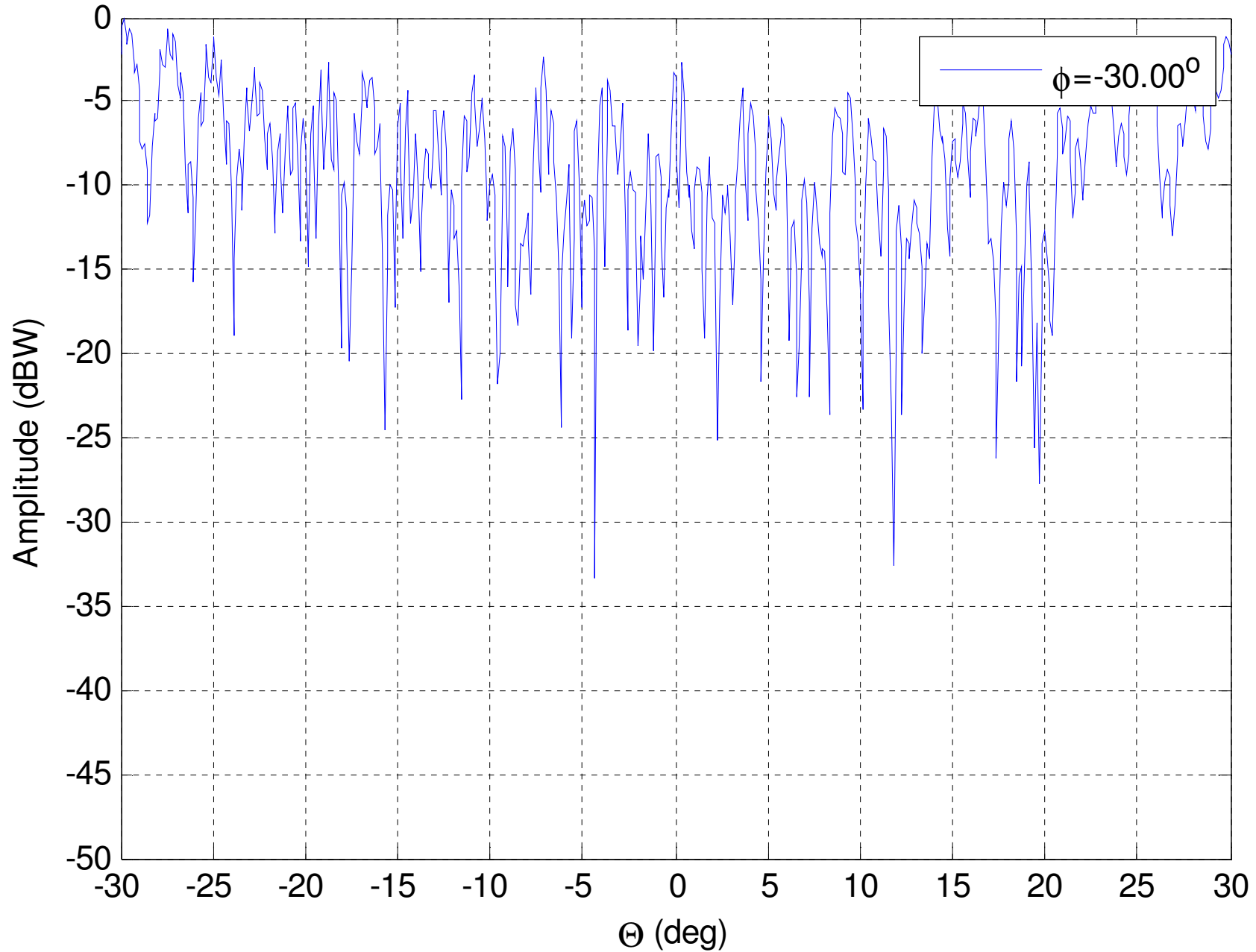
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--40.cut, Peak: -0.25 dBW, Date: 06-Oct-2011



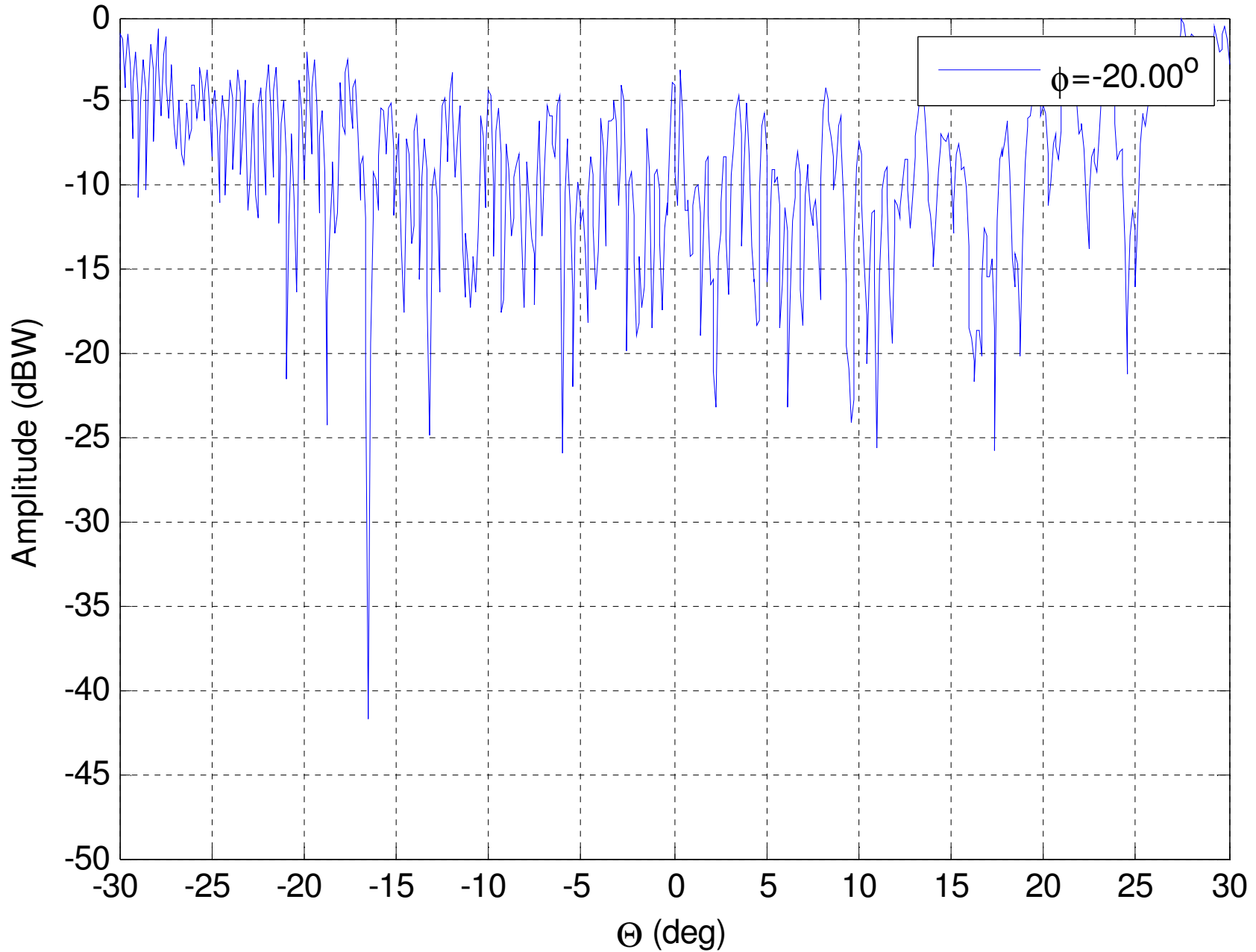
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--30.cut, Peak: 1.19 dBW, Date: 06-Oct-2011



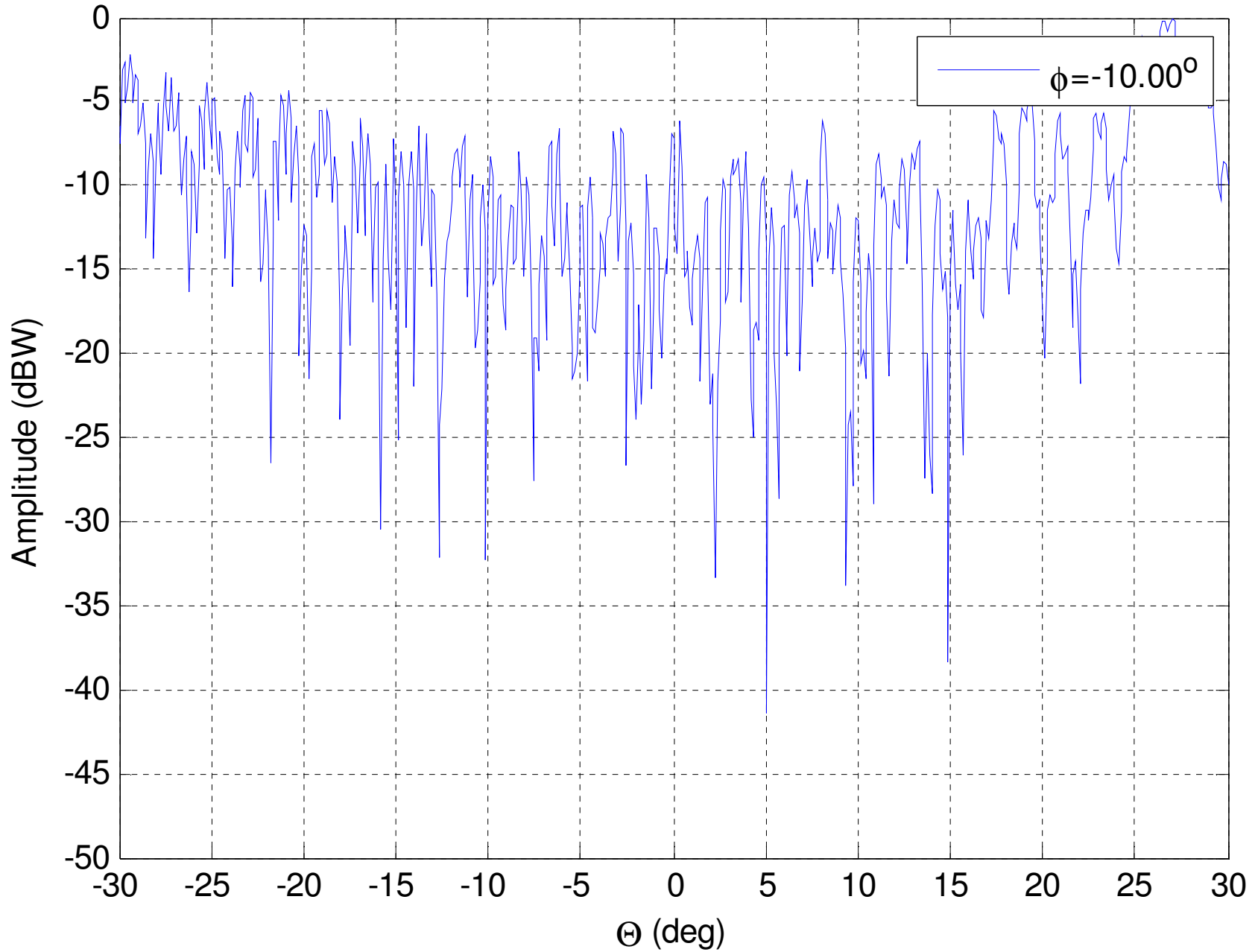
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--20.cut, Peak: 1.68 dBW, Date: 06-Oct-2011



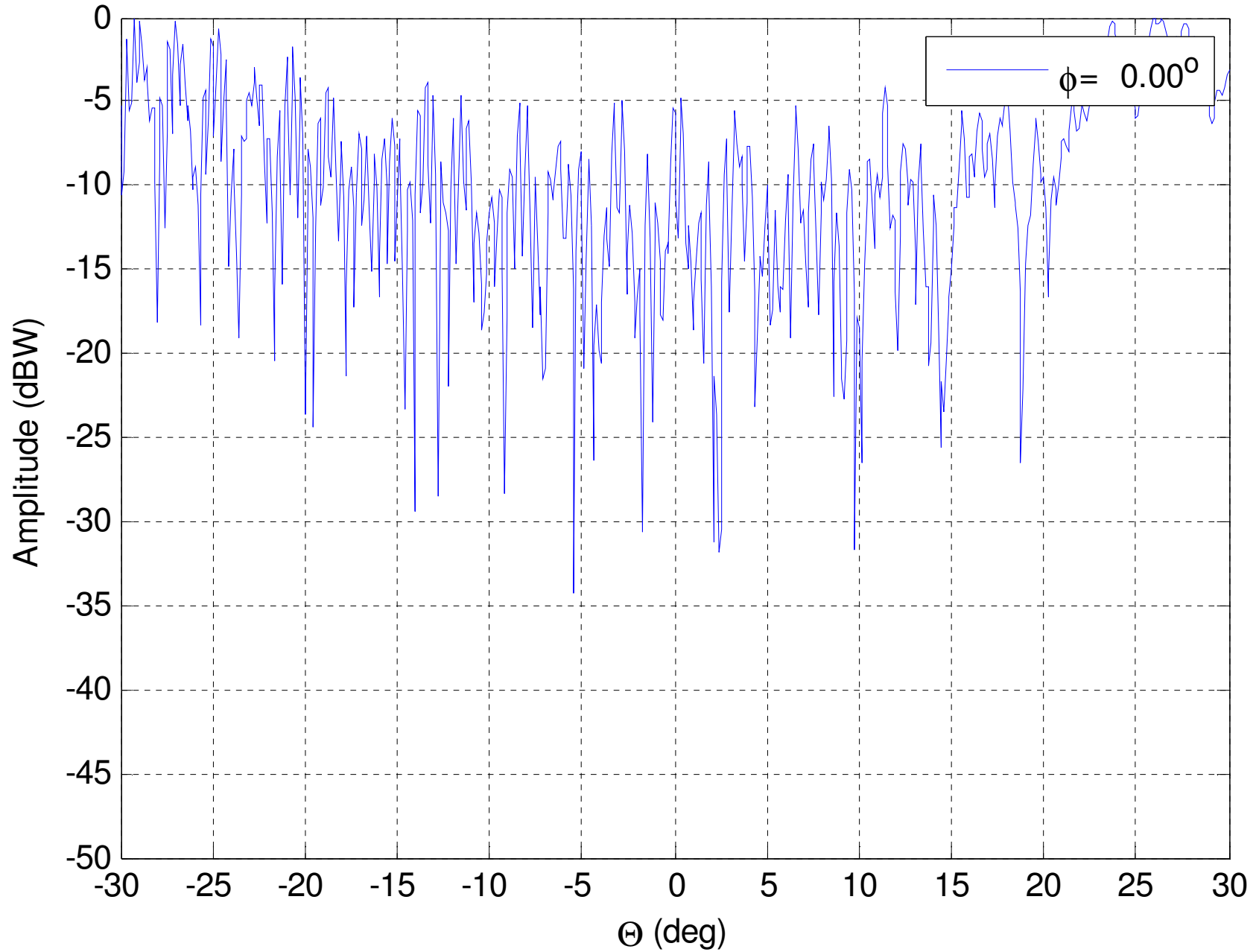
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--10.cut, Peak: 4.74 dBW, Date: 06-Oct-2011



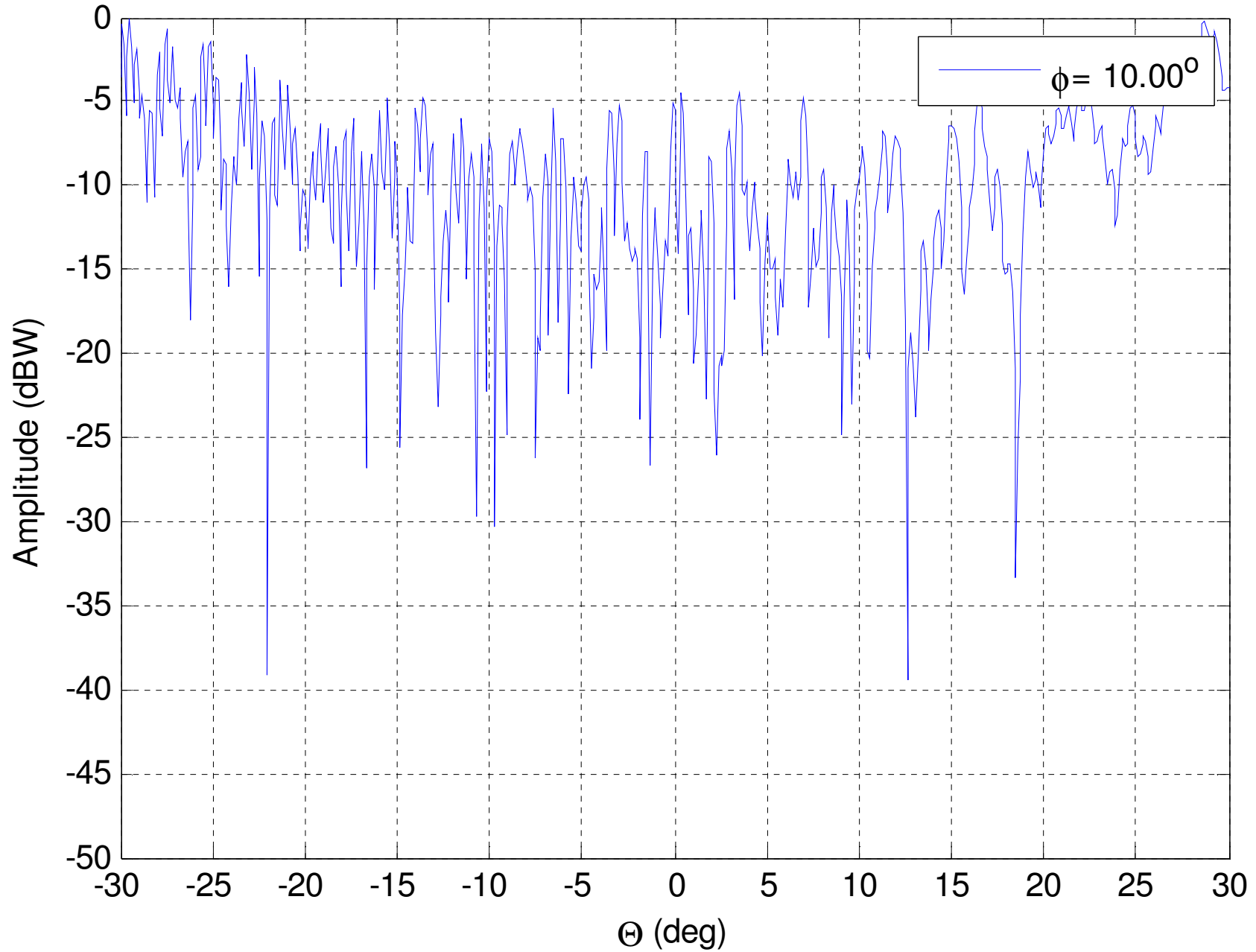
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-0.cut, Peak: 3.33 dBW, Date: 06-Oct-2011



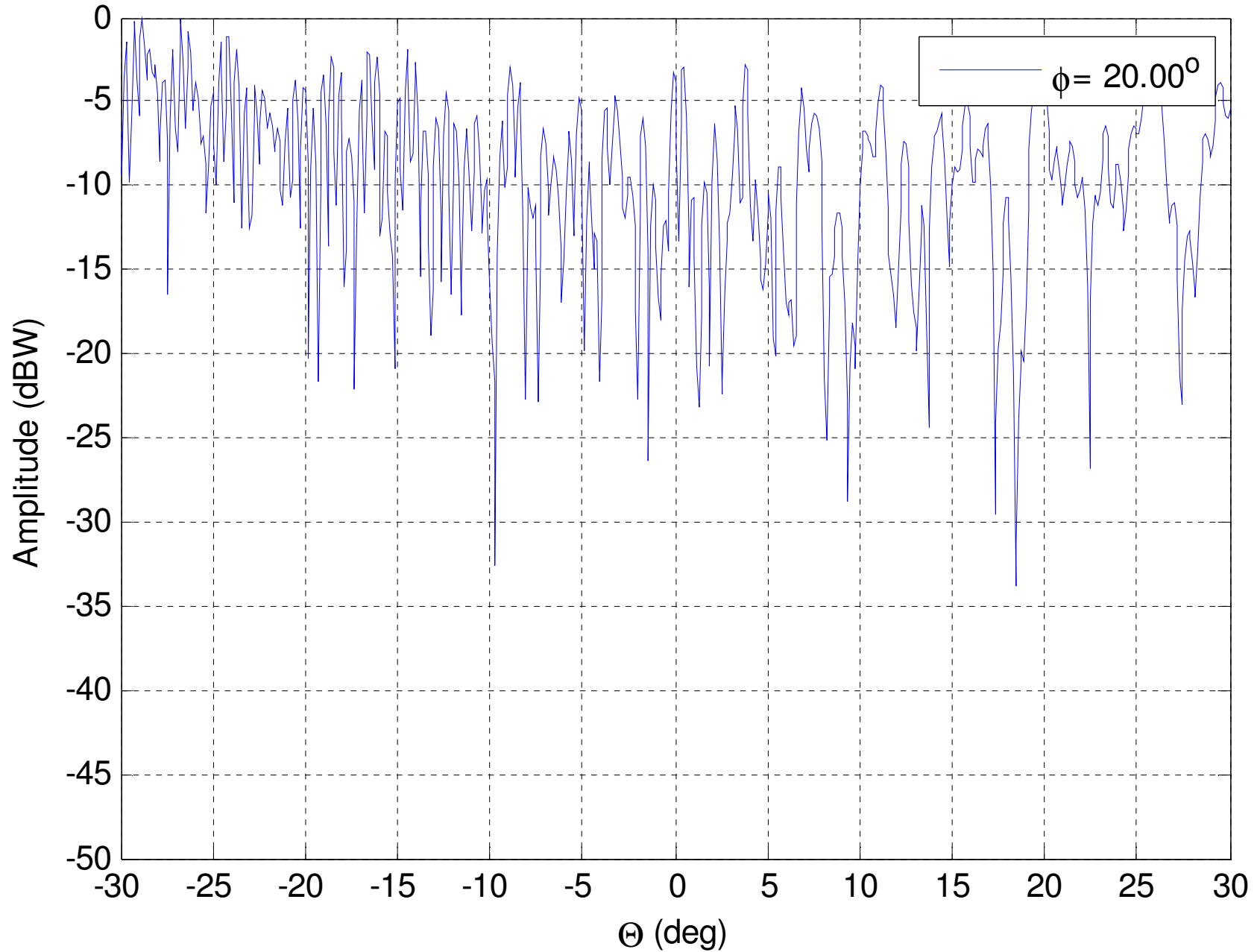
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-10.cut, Peak: 3.12 dBW, Date: 06-Oct-2011



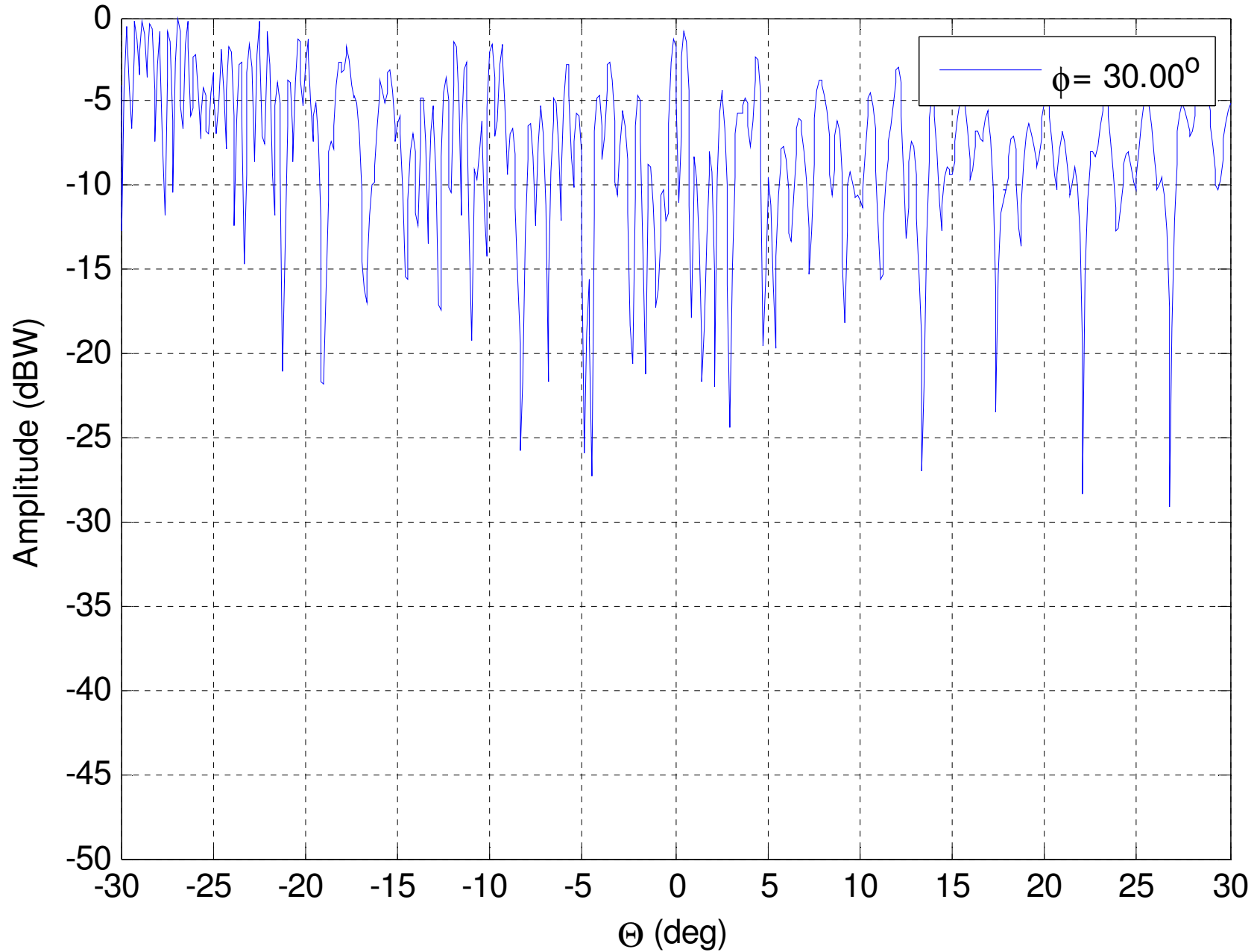
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-20.cut, Peak: 1.39 dBW, Date: 06-Oct-2011



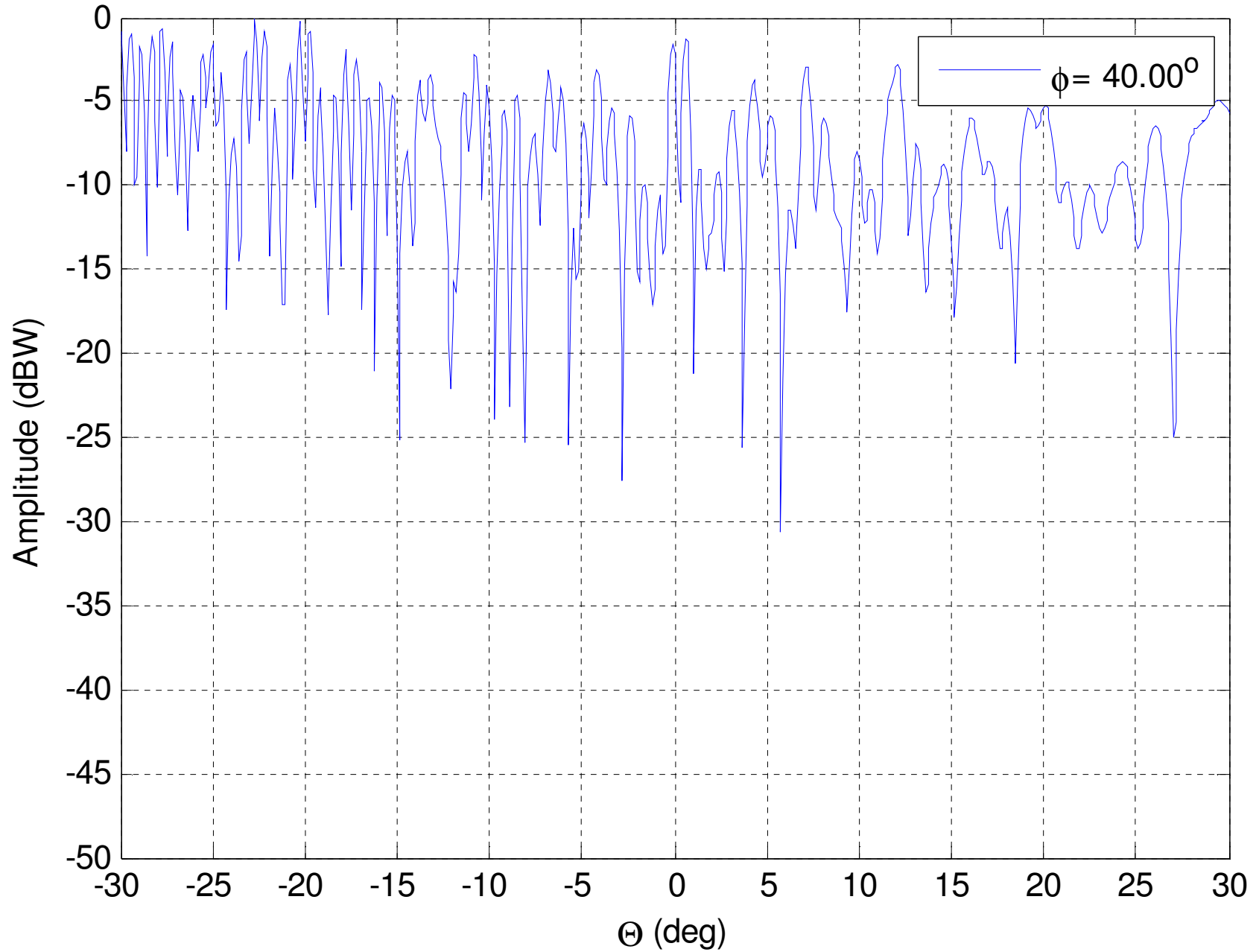
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-30.cut, Peak: -0.60 dBW, Date: 06-Oct-2011



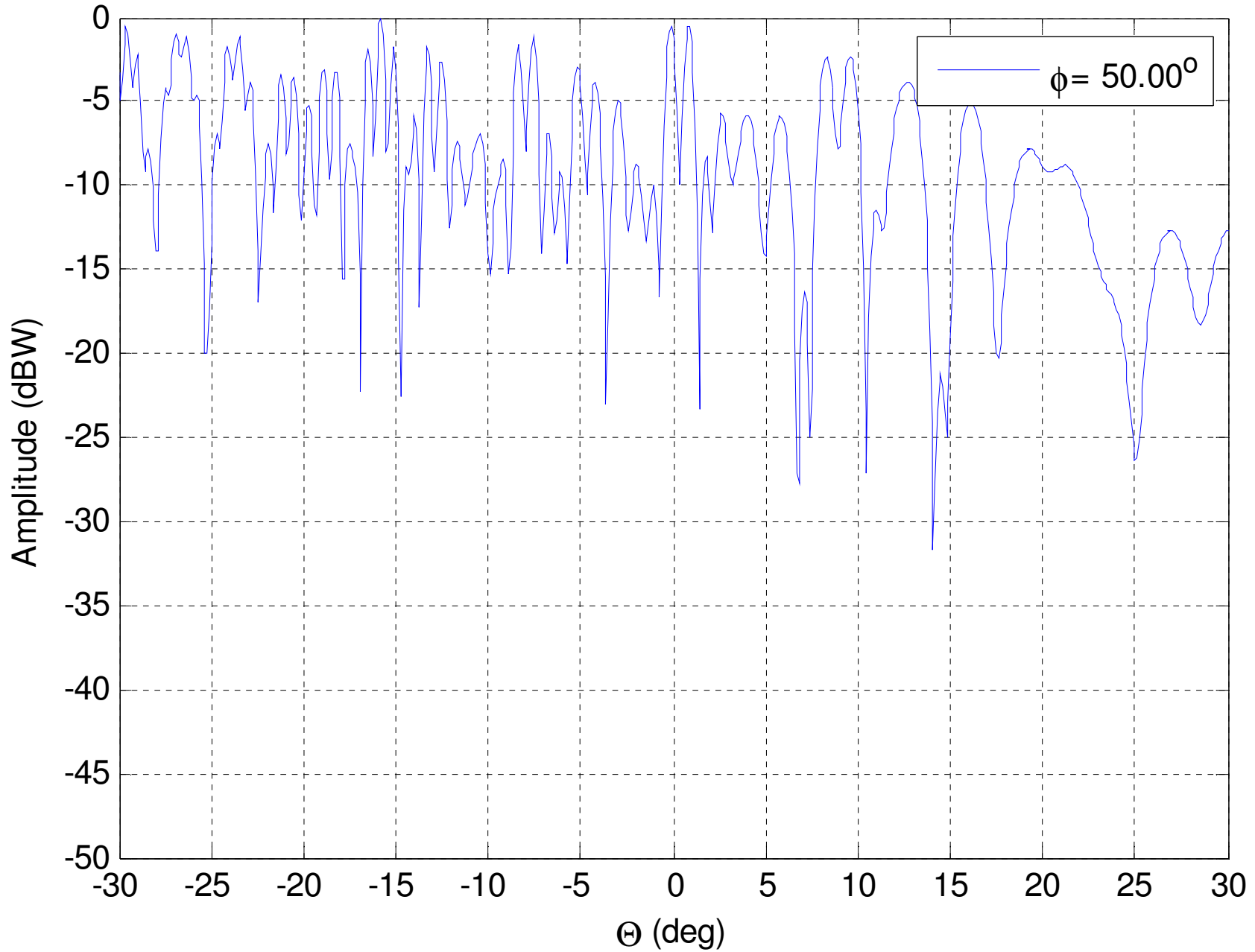
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-40.cut, Peak: -0.25 dBW, Date: 06-Oct-2011



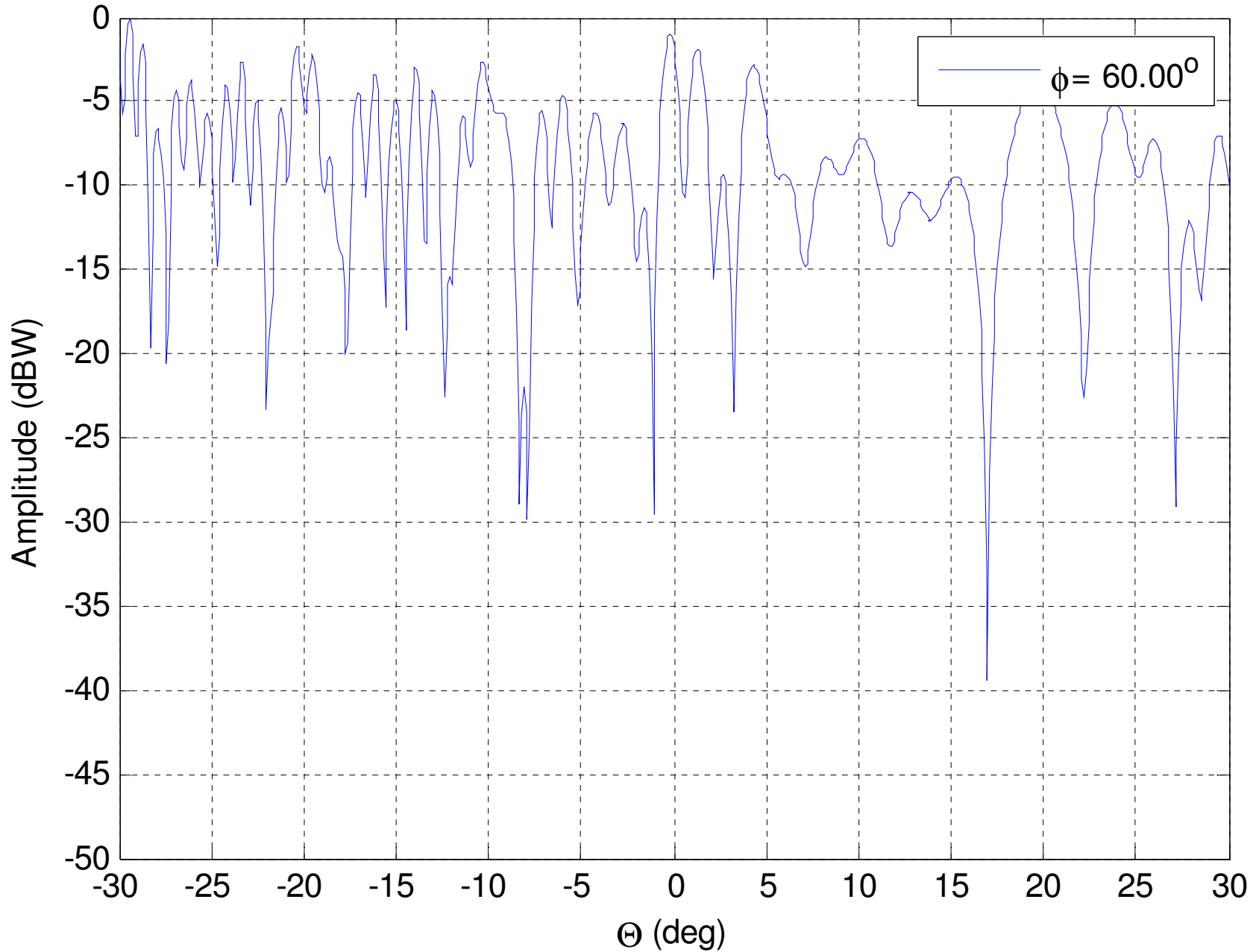
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-50.cut, Peak: -1.19 dBW, Date: 06-Oct-2011



Normalized pattern cuts - farfield

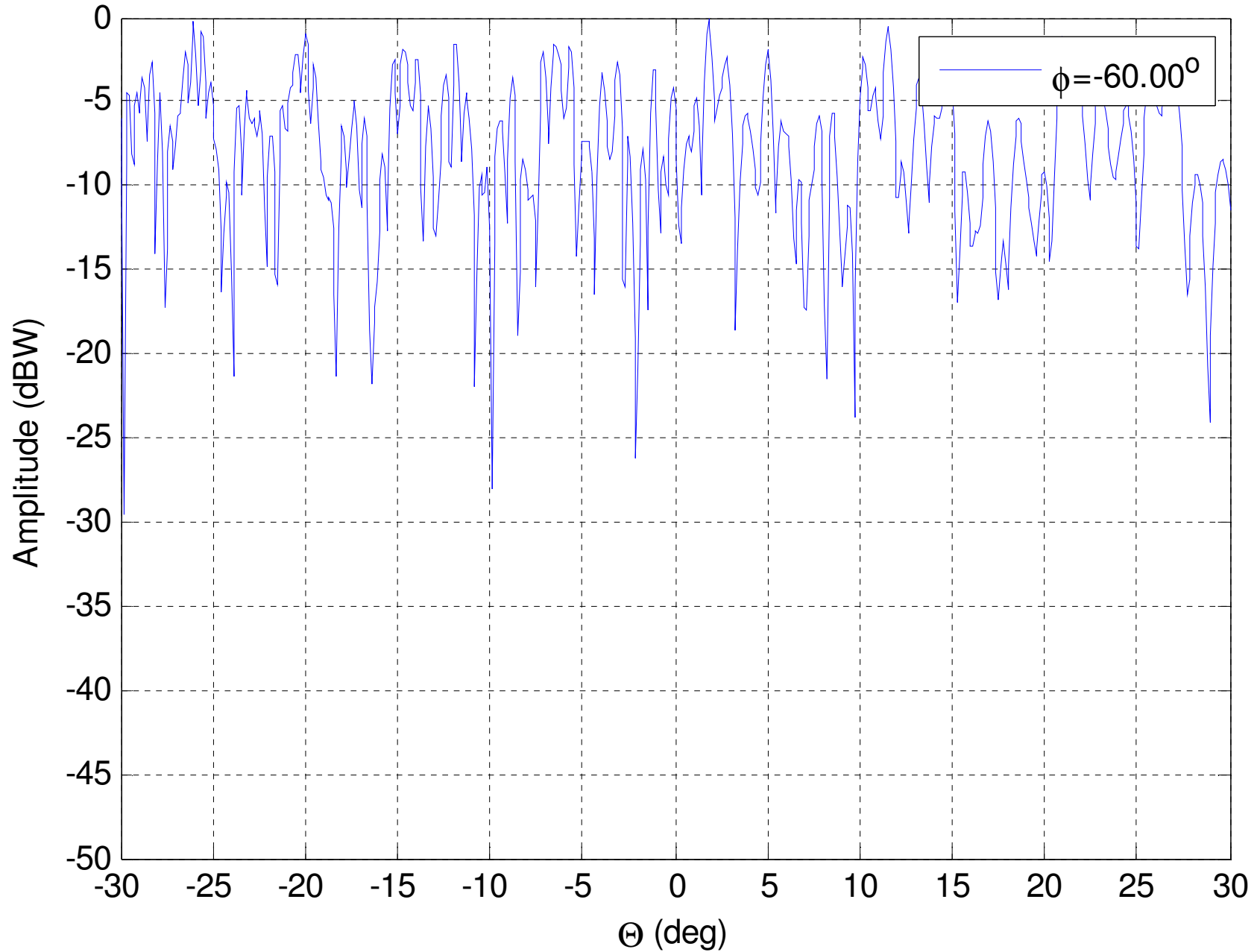
Input file: tx-17.5-lhcp-60.cut, Peak: -0.71 dBW, Date: 06-Oct-2011



RHCP at 17.695 GHz

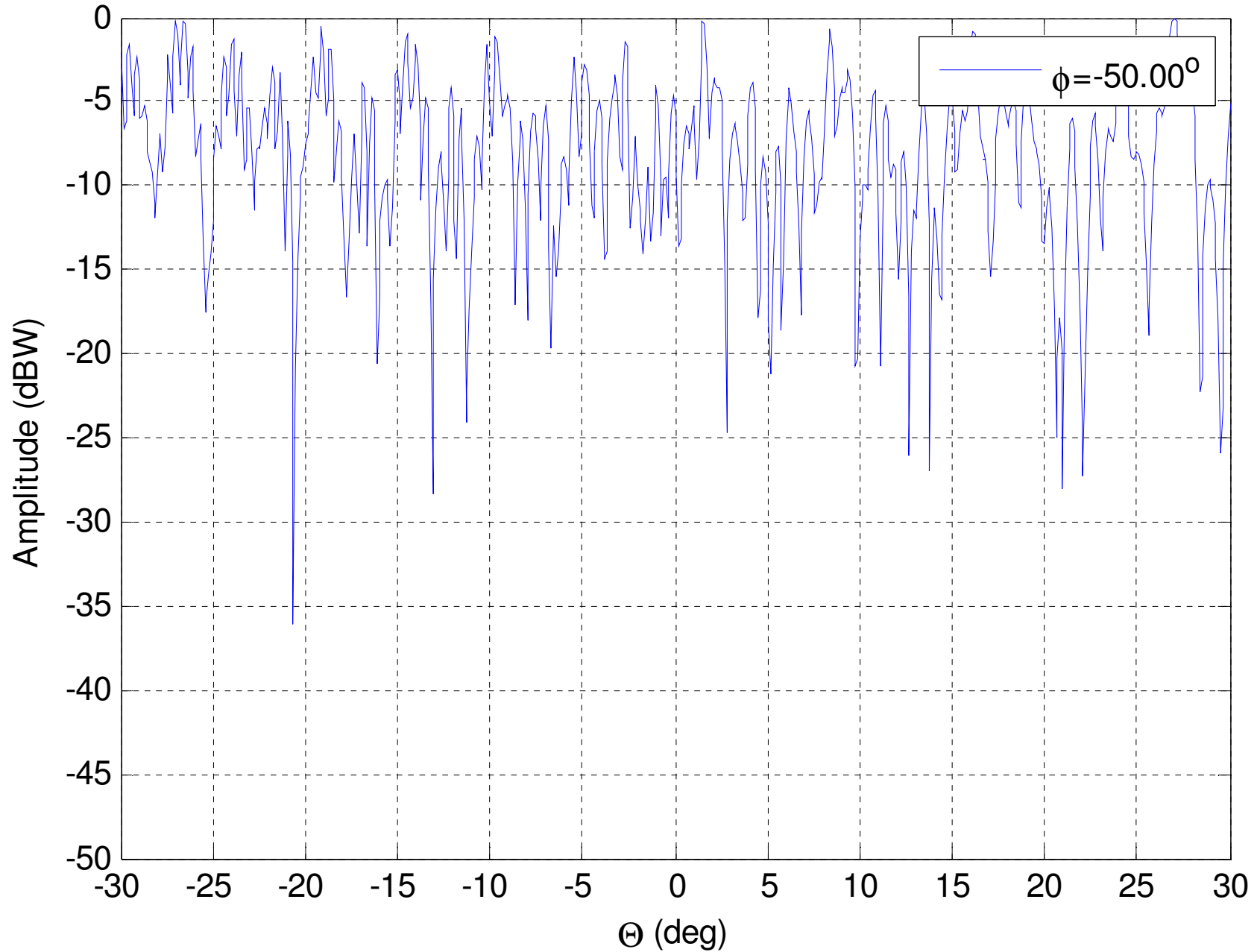
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--60.cut, Peak: -2.02 dBW, Date: 06-Oct-2011



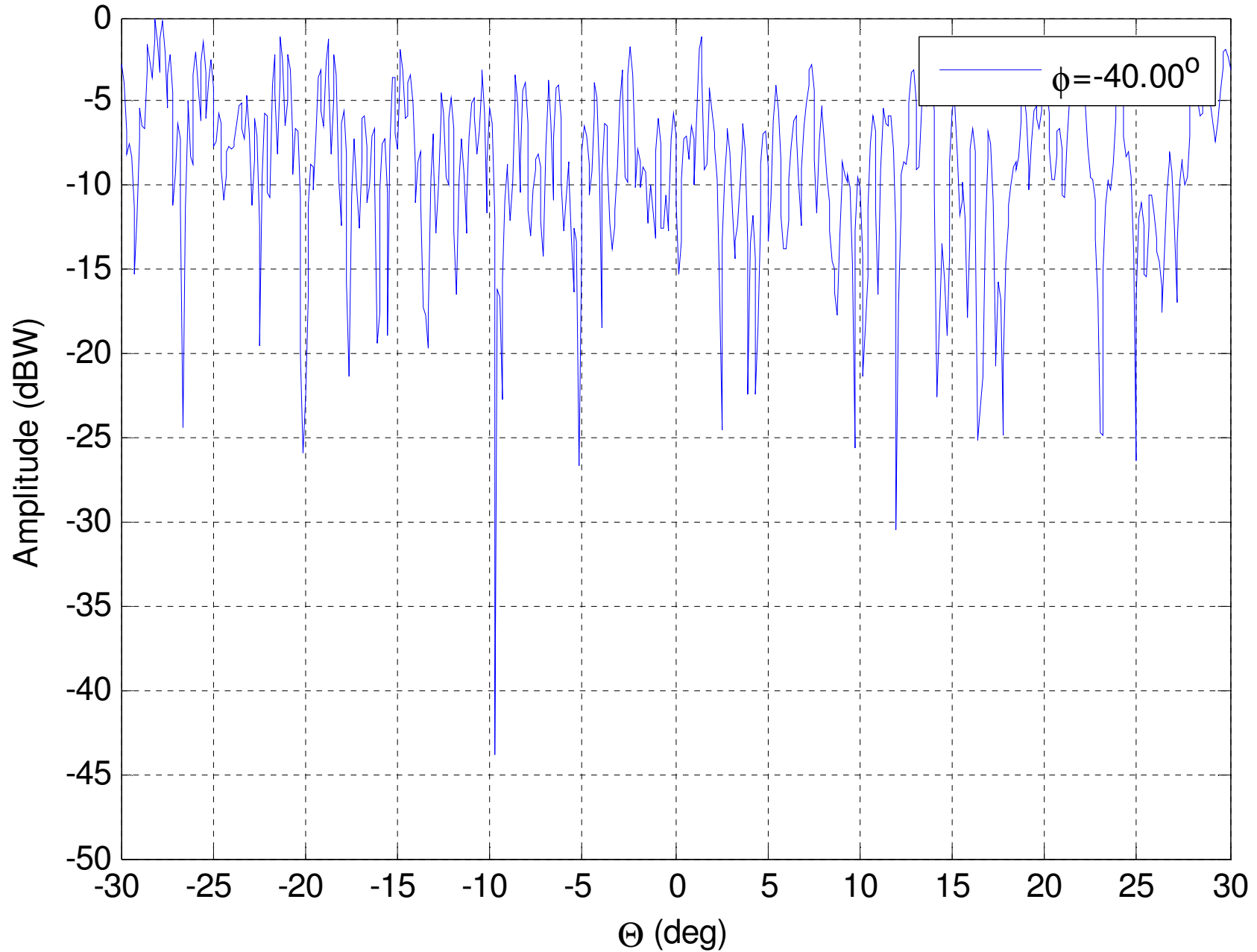
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--50.cut, Peak: -1.57 dBW, Date: 06-Oct-2011



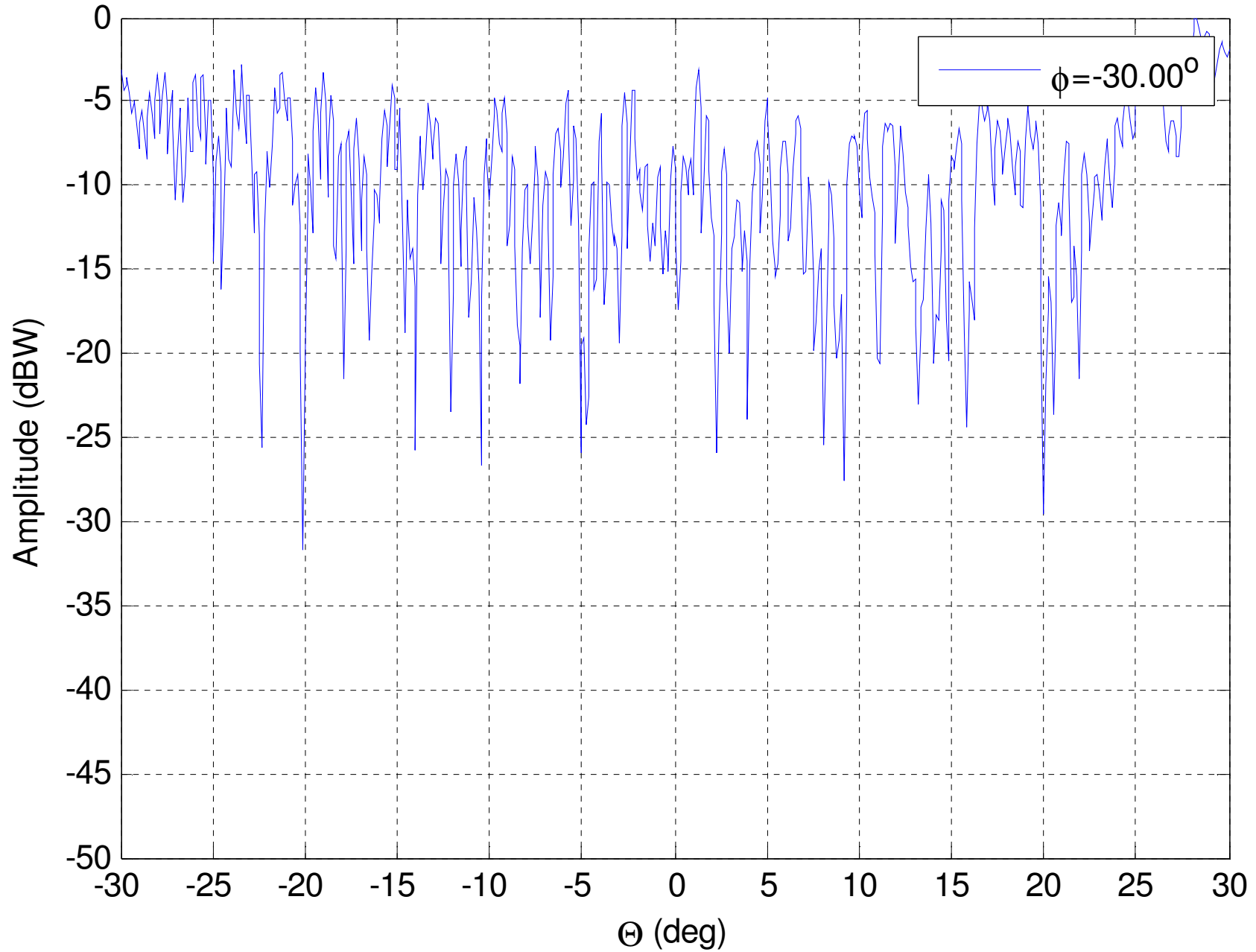
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--40.cut, Peak: -0.40 dBW, Date: 06-Oct-2011



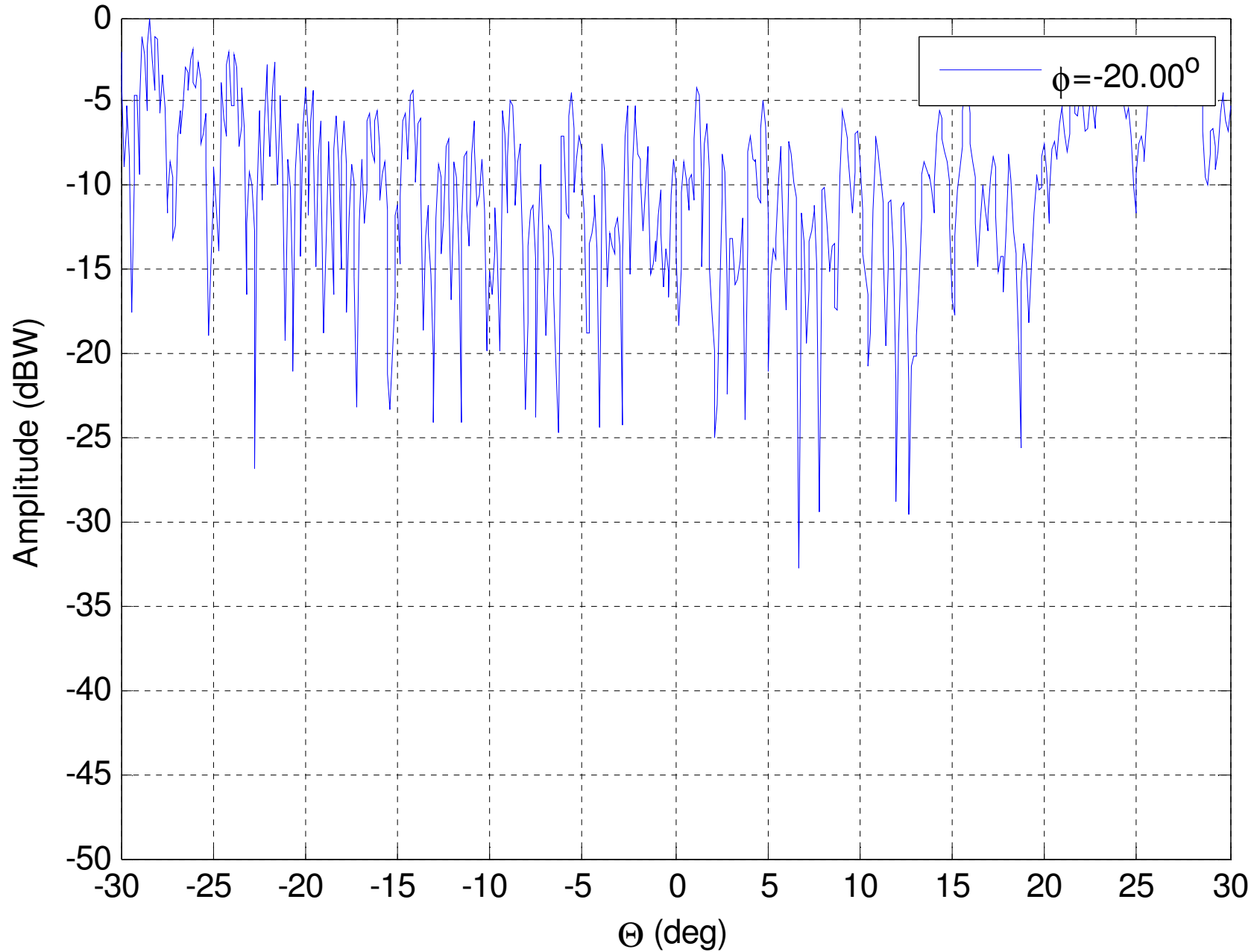
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--30.cut, Peak: 1.58 dBW, Date: 06-Oct-2011



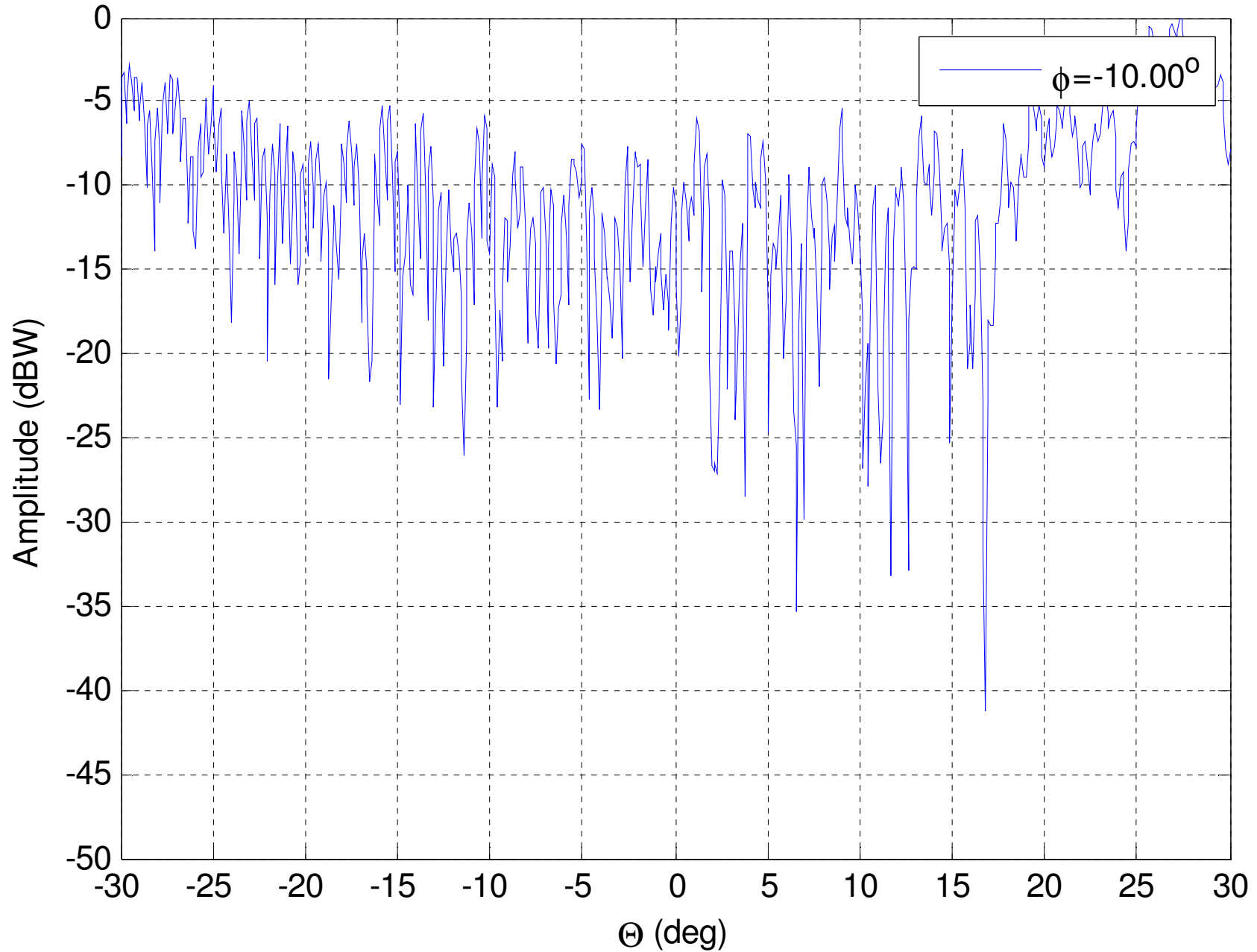
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--20.cut, Peak: 2.39 dBW, Date: 06-Oct-2011



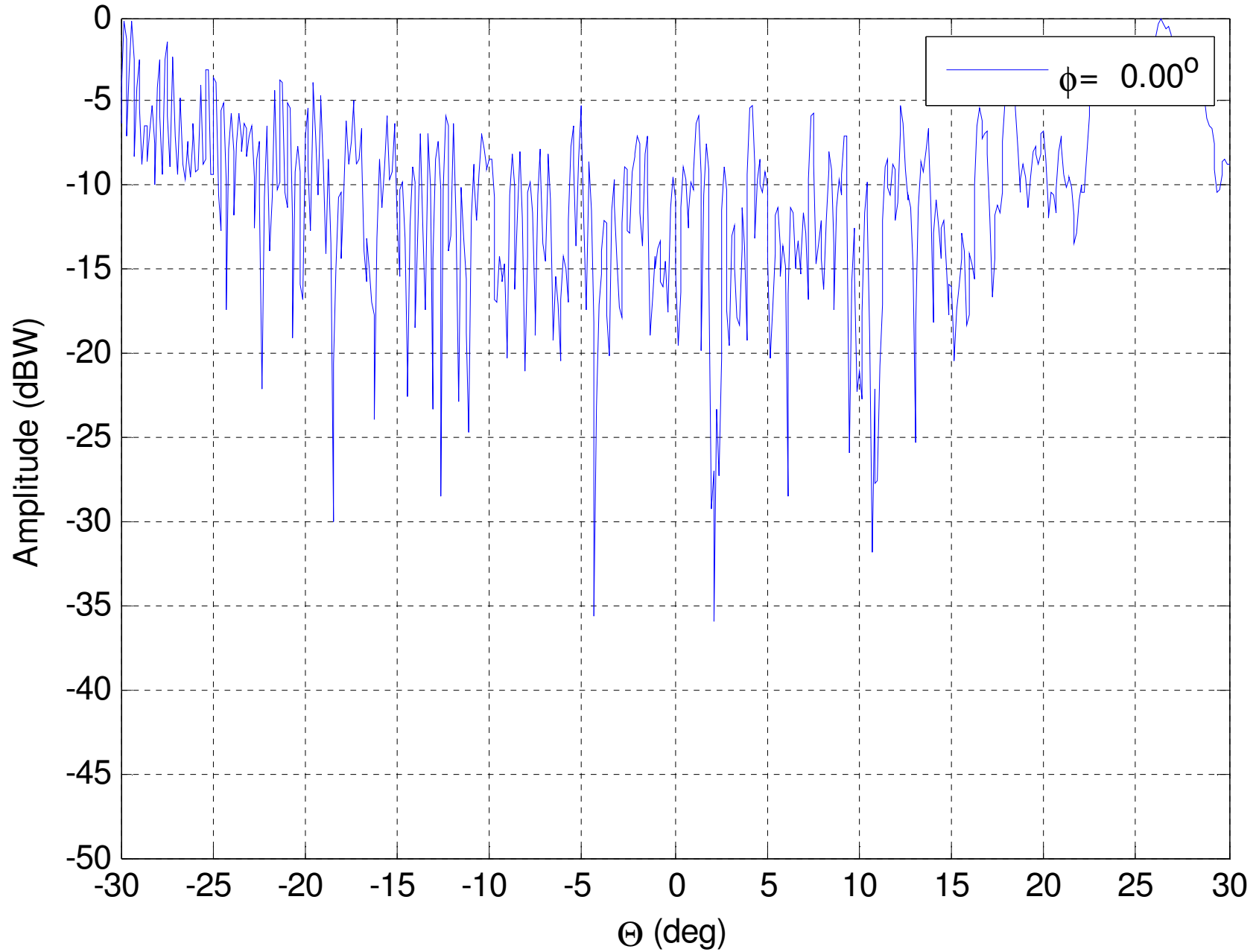
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--10.cut, Peak: 4.06 dBW, Date: 06-Oct-2011



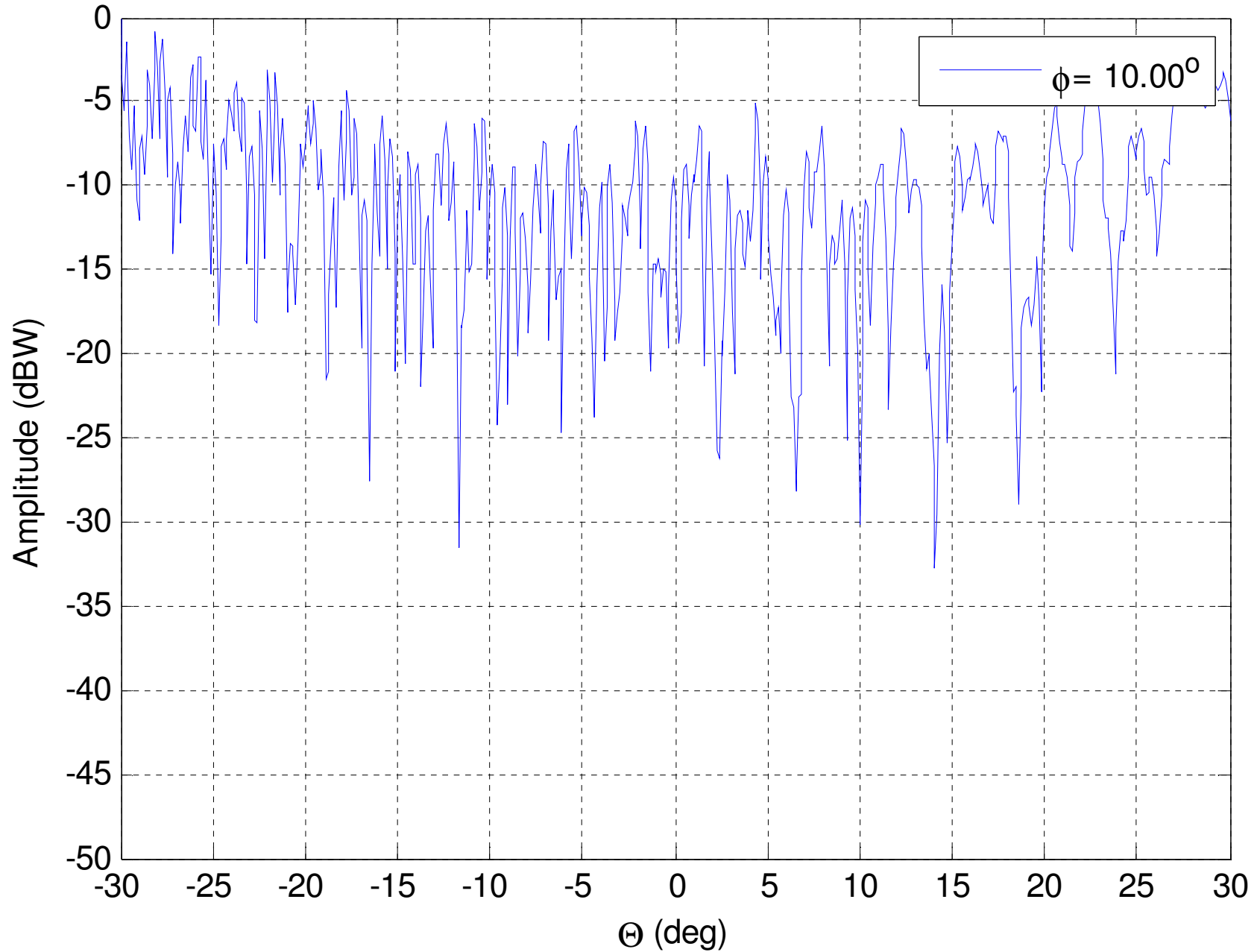
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-0.cut, Peak: 3.43 dBW, Date: 06-Oct-2011



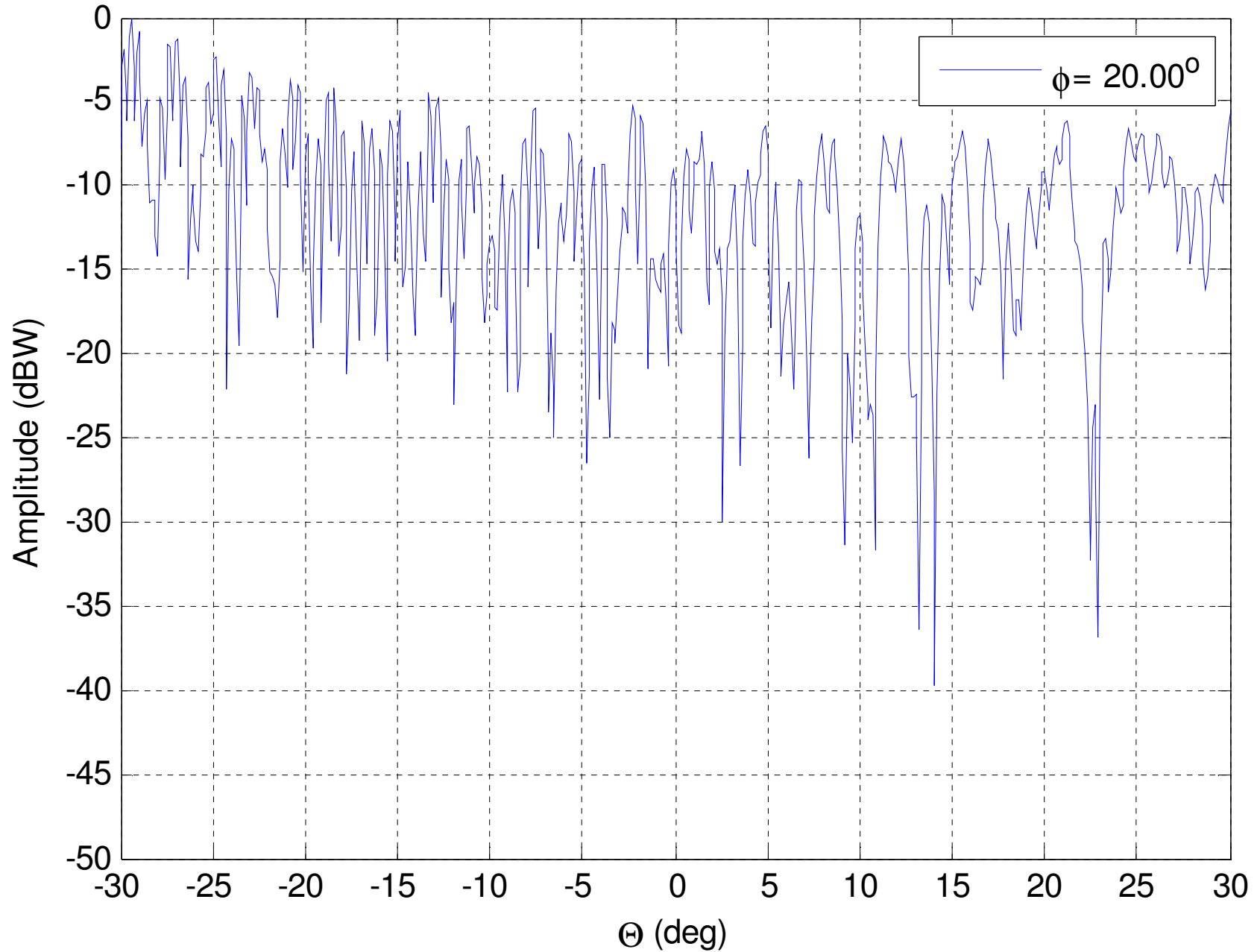
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-10.cut, Peak: 3.49 dBW, Date: 06-Oct-2011



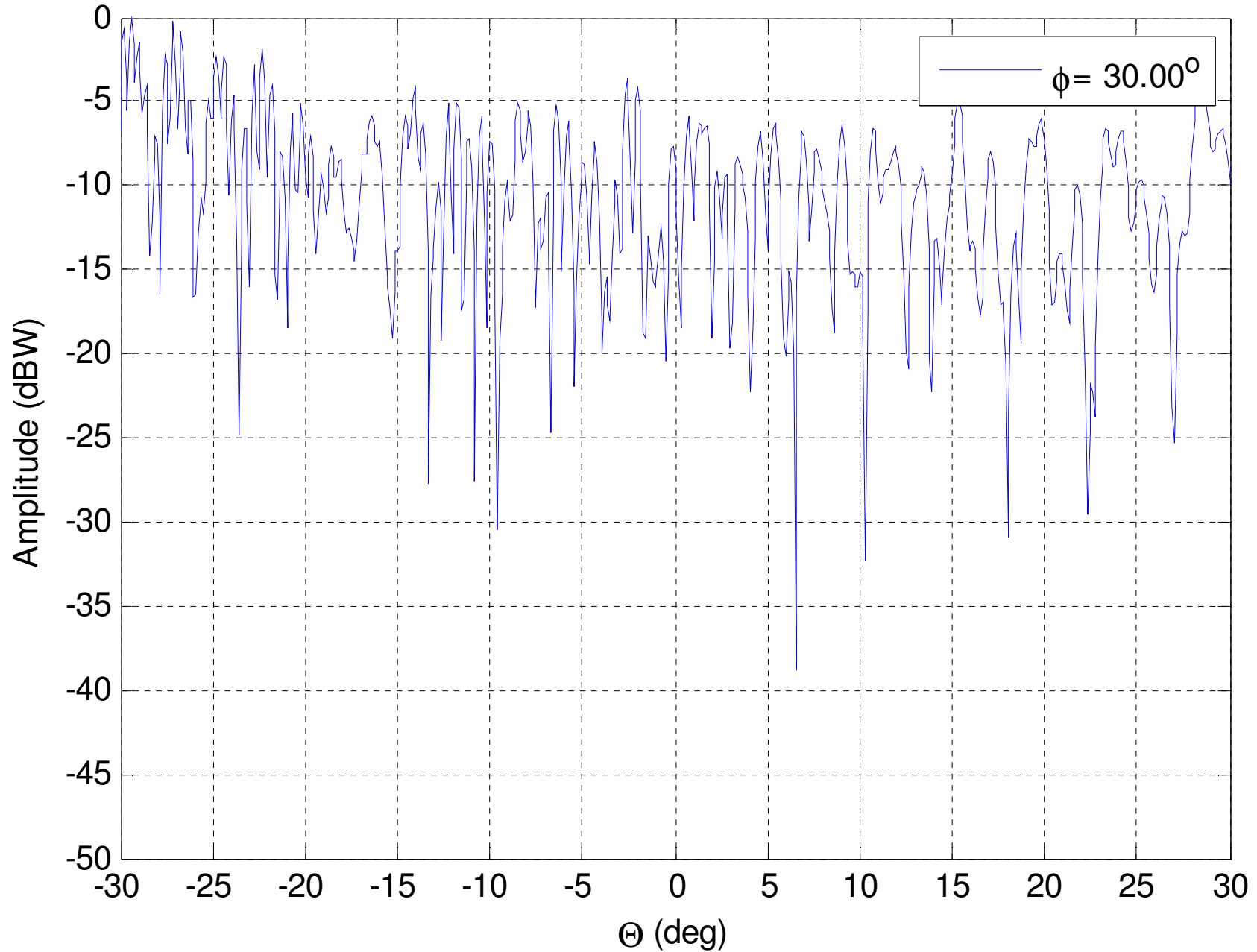
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-20.cut, Peak: 3.11 dBW, Date: 06-Oct-2011



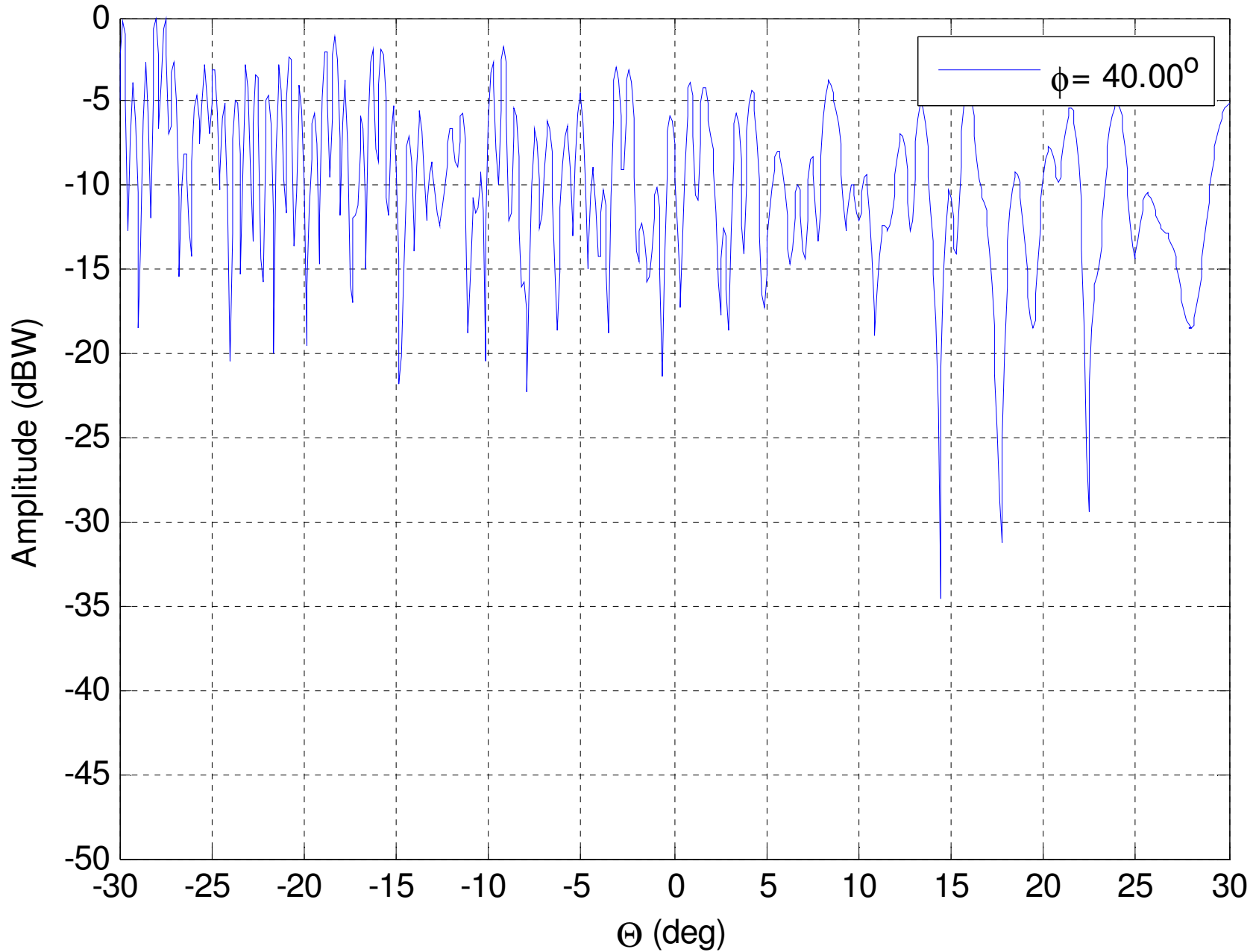
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-30.cut, Peak: 1.58 dBW, Date: 06-Oct-2011



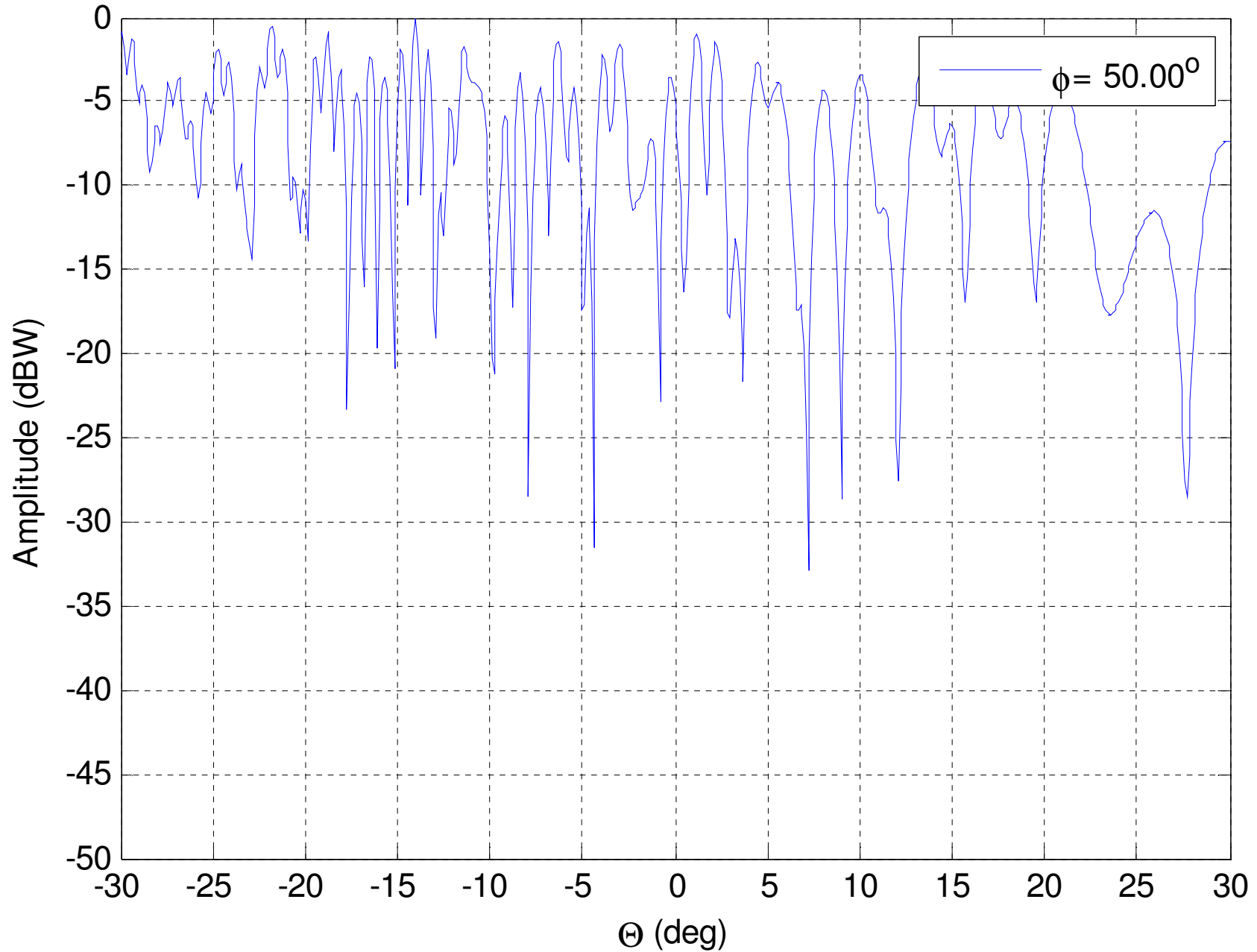
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-40.cut, Peak: 0.08 dBW, Date: 06-Oct-2011



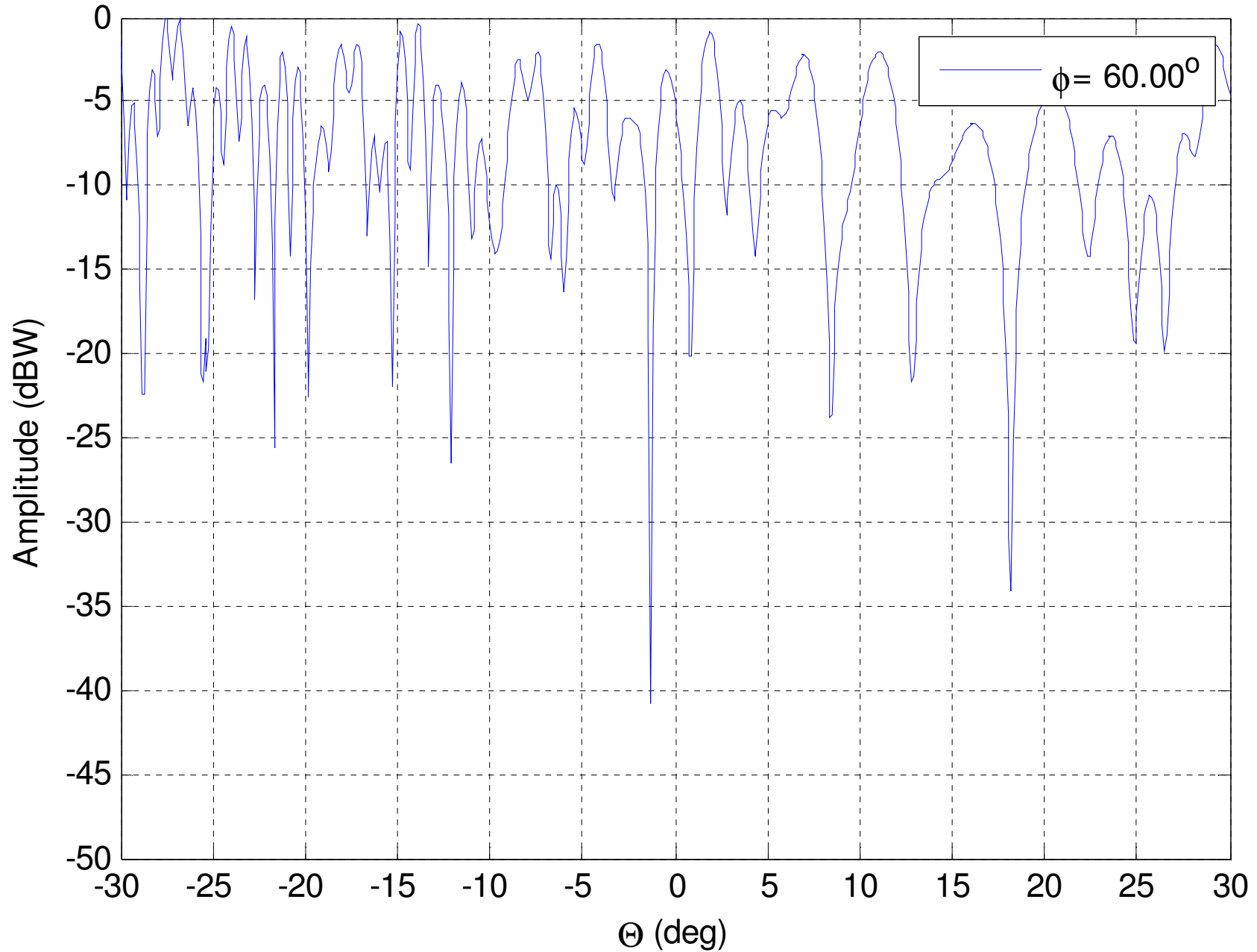
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-50.cut, Peak: -2.19 dBW, Date: 06-Oct-2011



Normalized pattern cuts - farfield

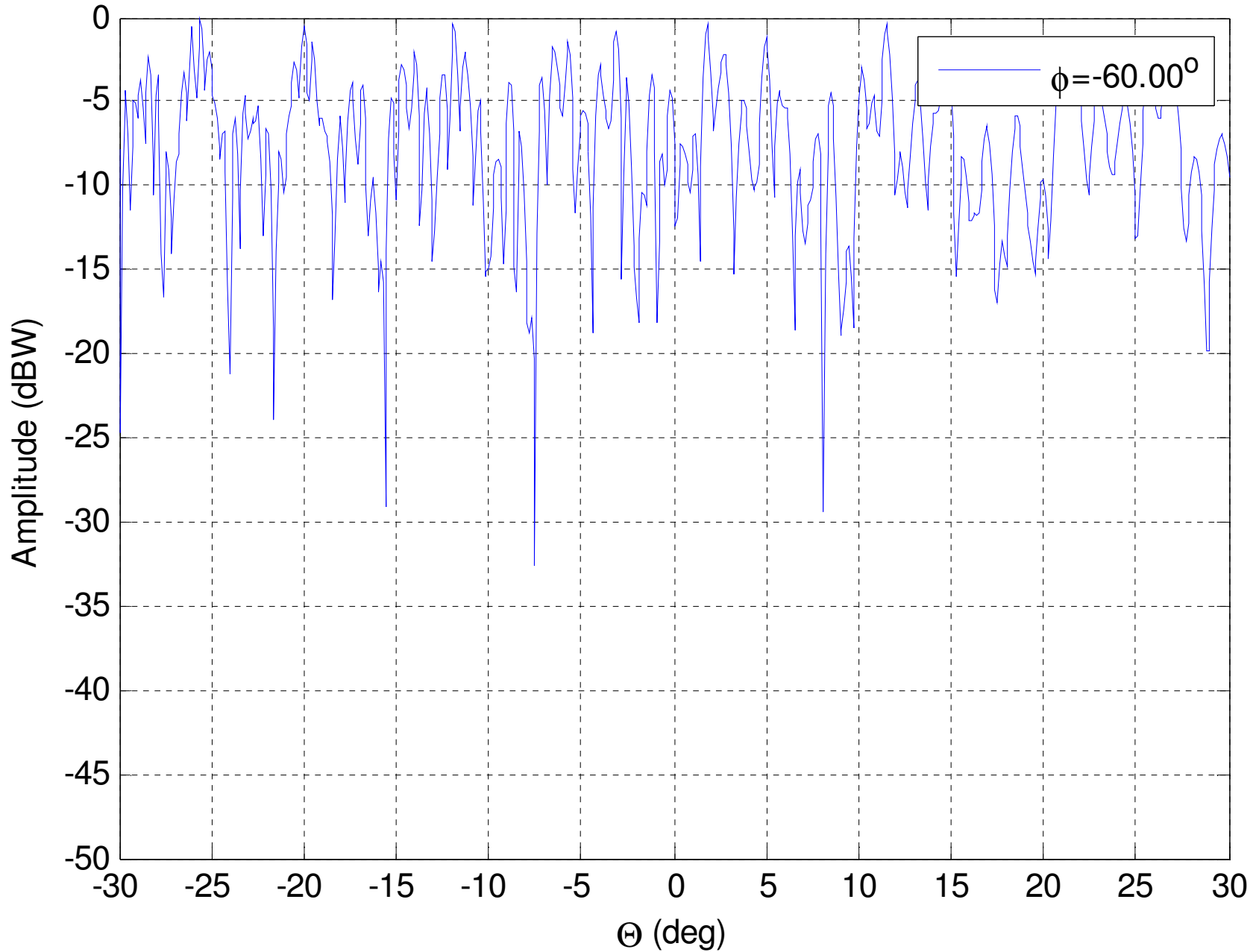
Input file: tx-17.7-rhcp-60.cut, Peak: -2.40 dBW, Date: 06-Oct-2011



LHCP at 17.695 GHz

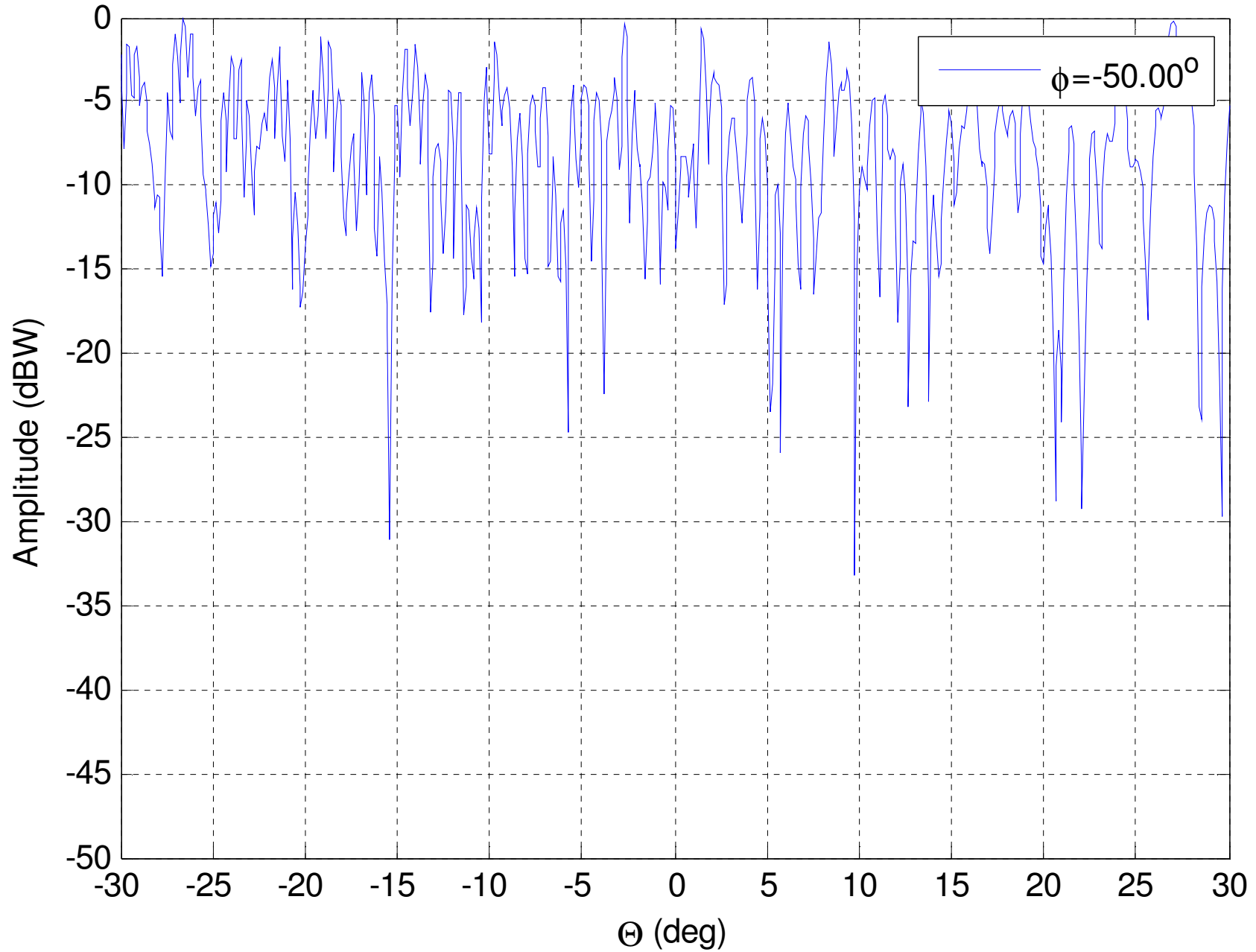
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--60.cut, Peak: -2.17 dBW, Date: 06-Oct-2011



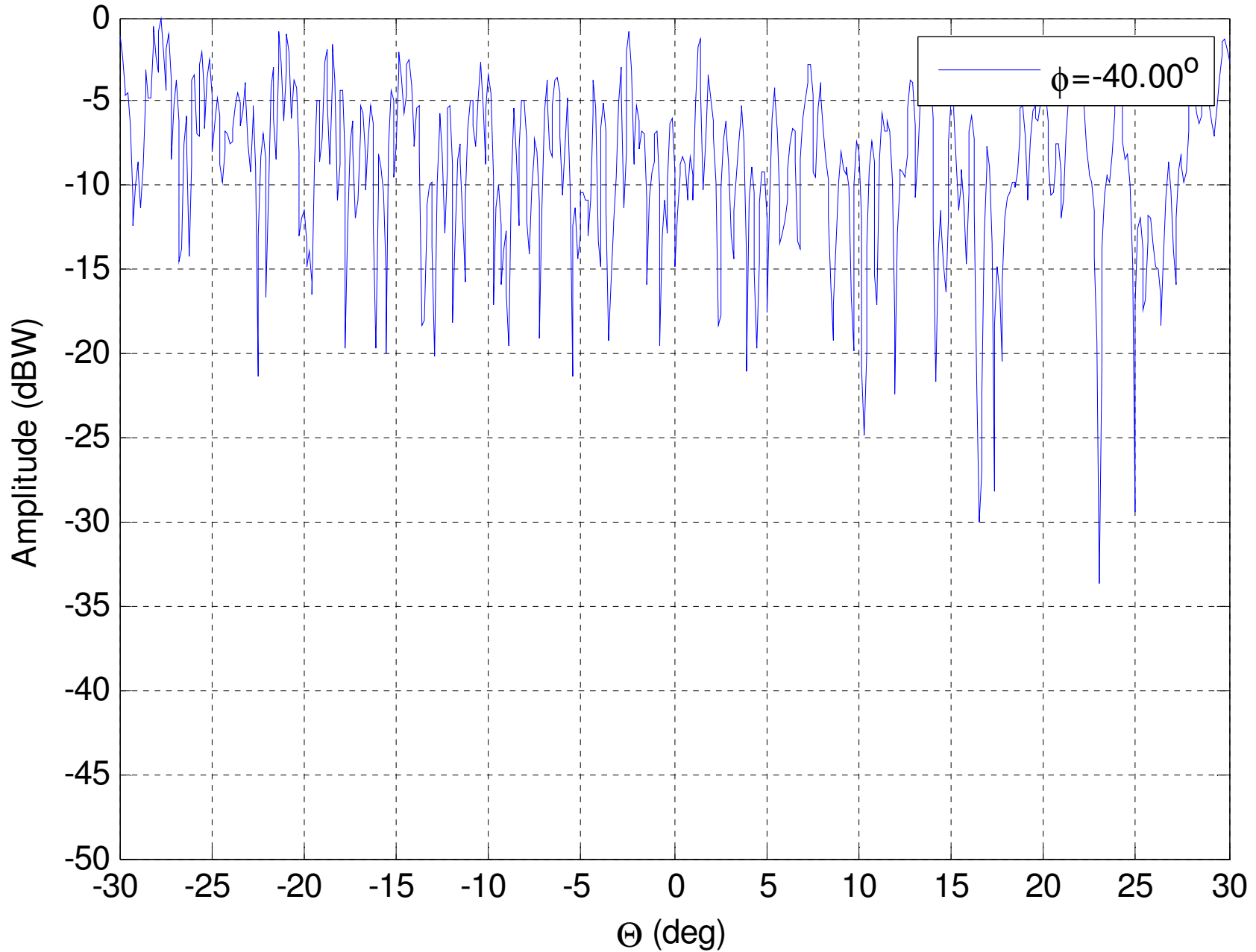
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--50.cut, Peak: -1.29 dBW, Date: 06-Oct-2011



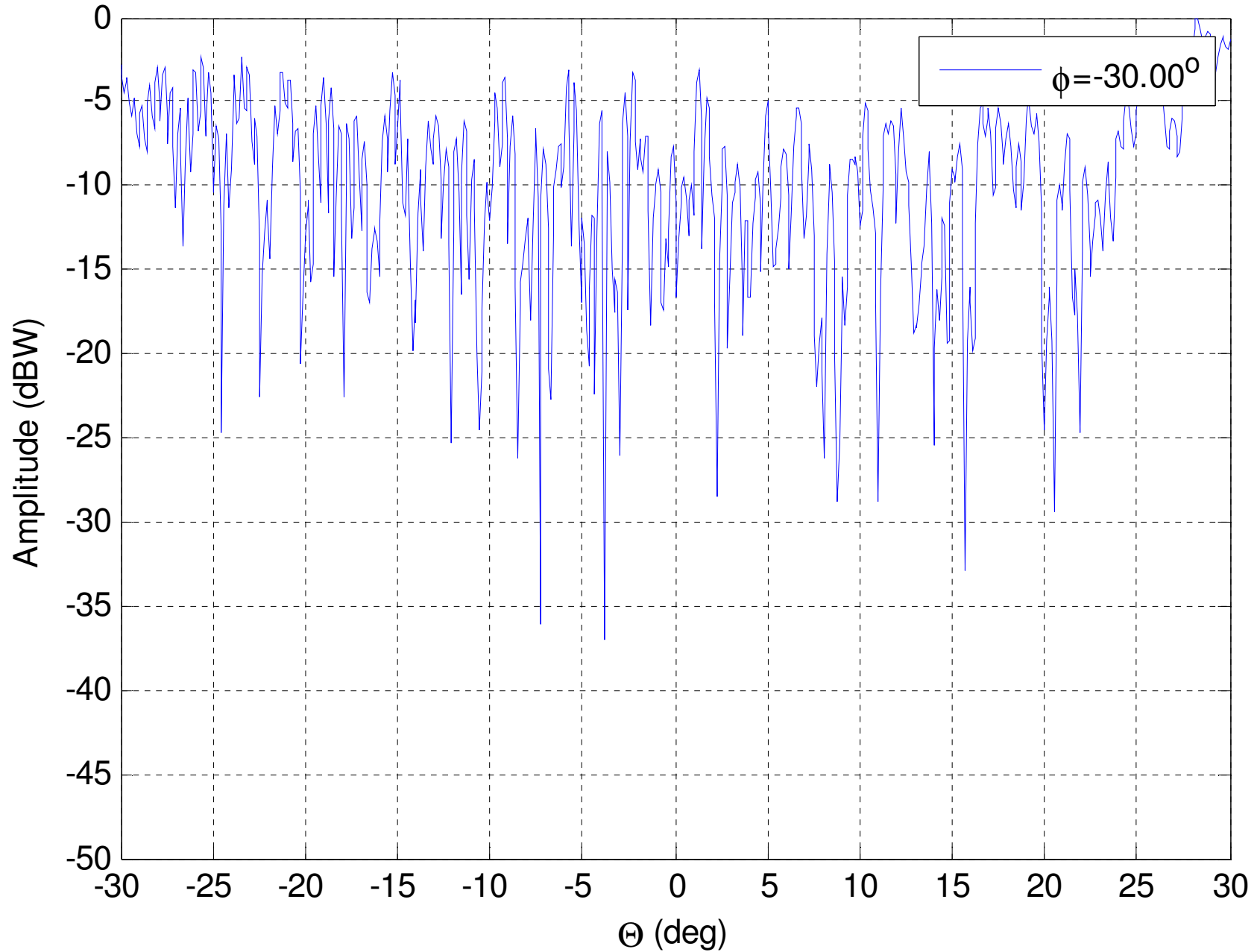
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--40.cut, Peak: -0.51 dBW, Date: 06-Oct-2011



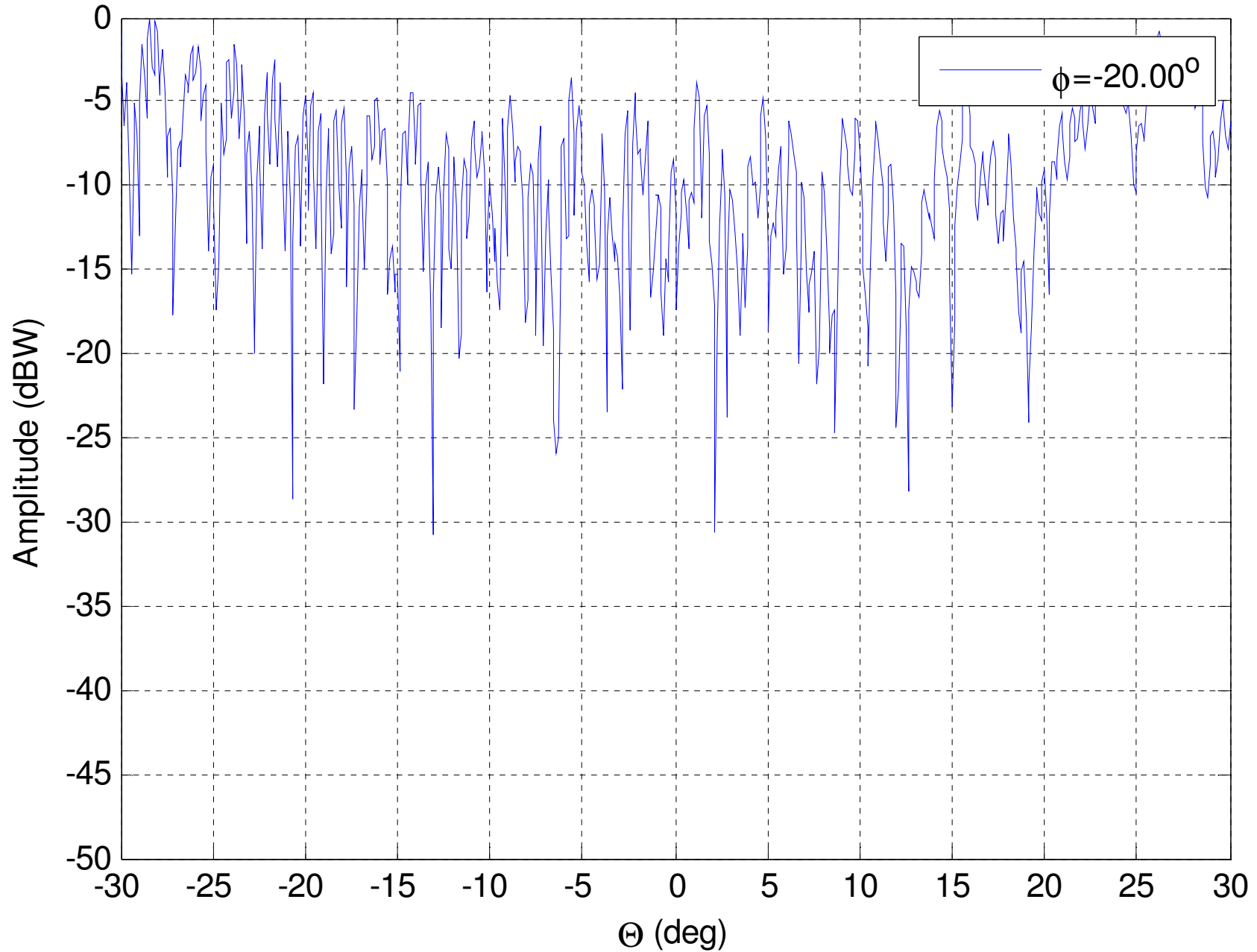
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--30.cut, Peak: 1.41 dBW, Date: 06-Oct-2011



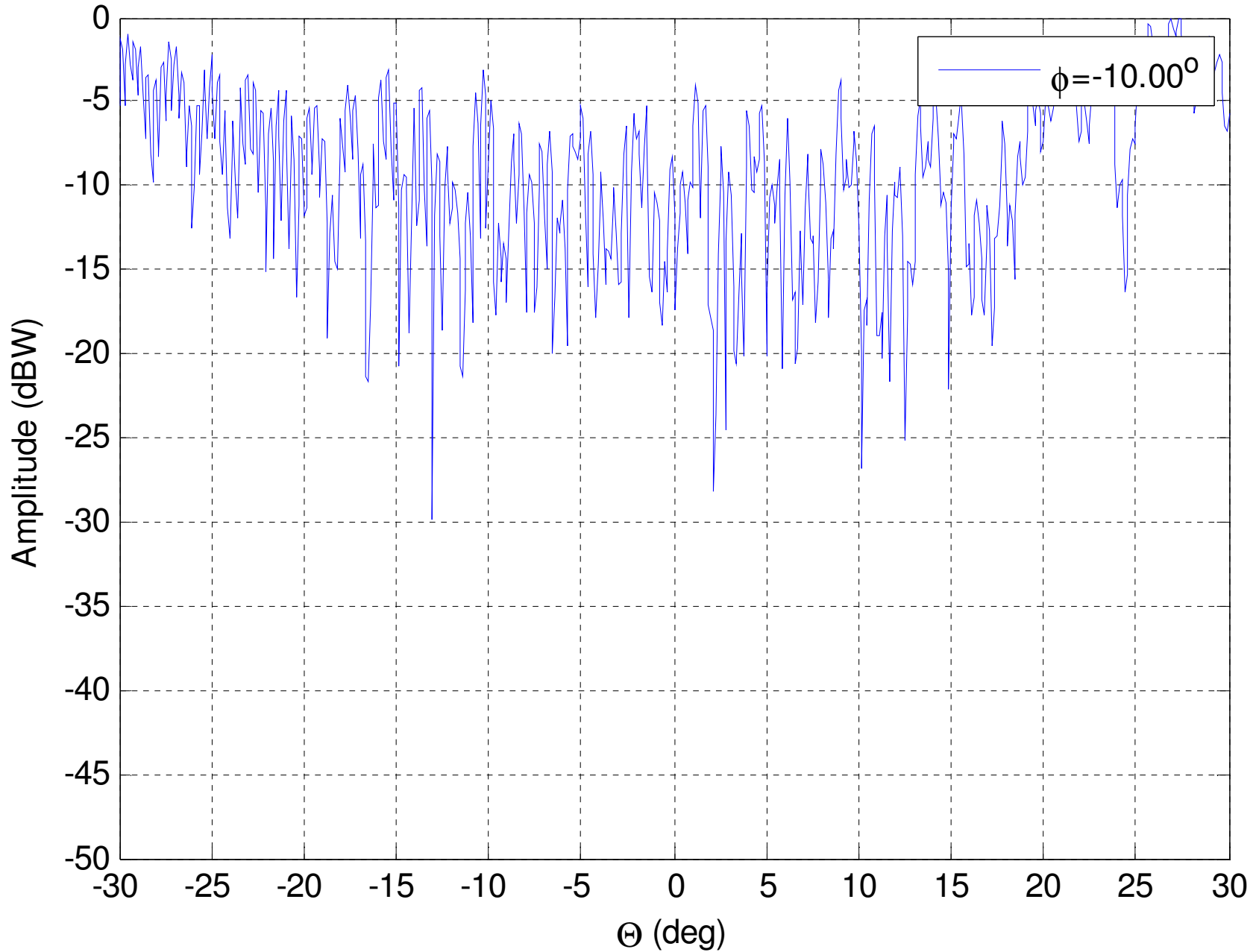
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--20.cut, Peak: 2.12 dBW, Date: 06-Oct-2011



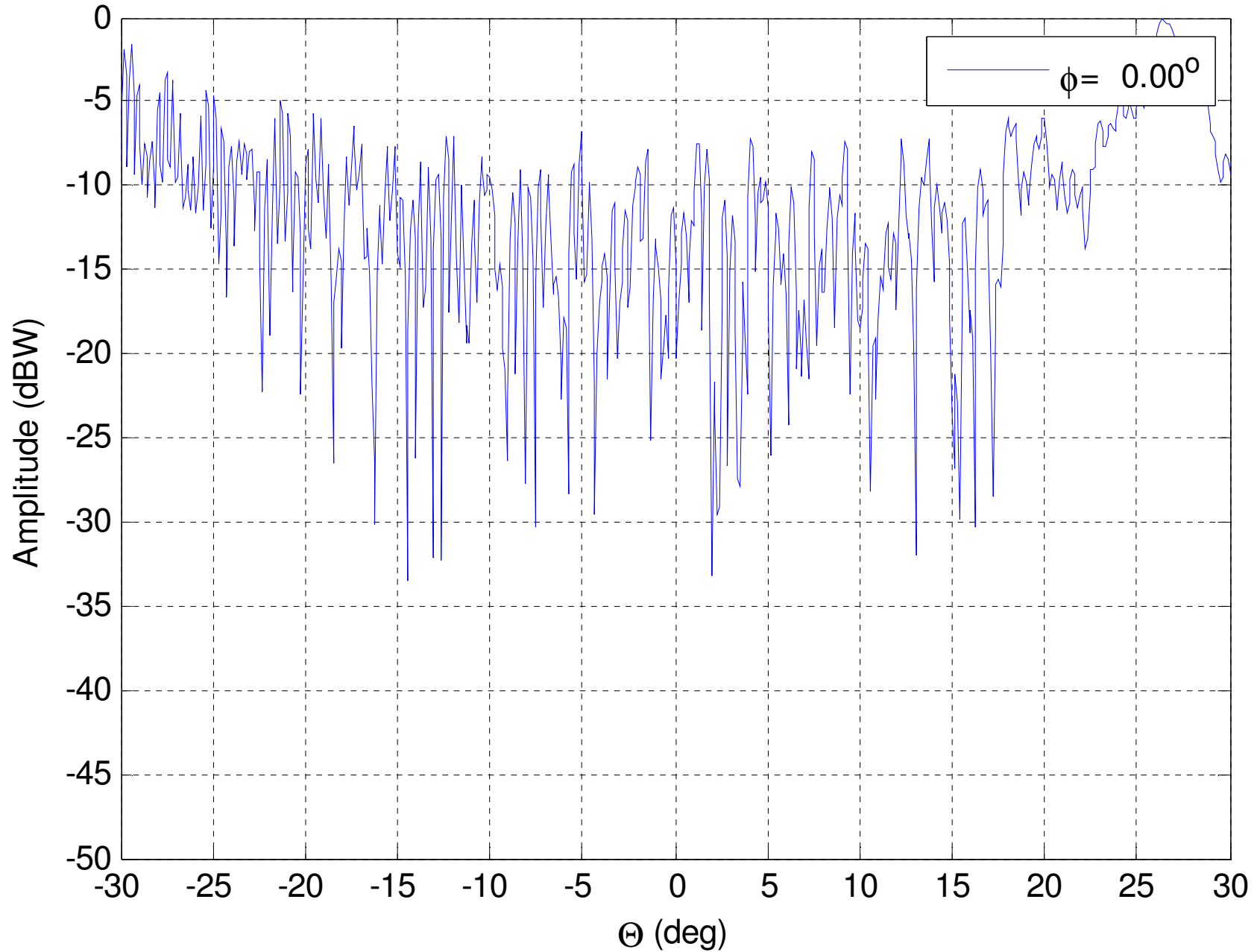
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--10.cut, Peak: 2.11 dBW, Date: 06-Oct-2011



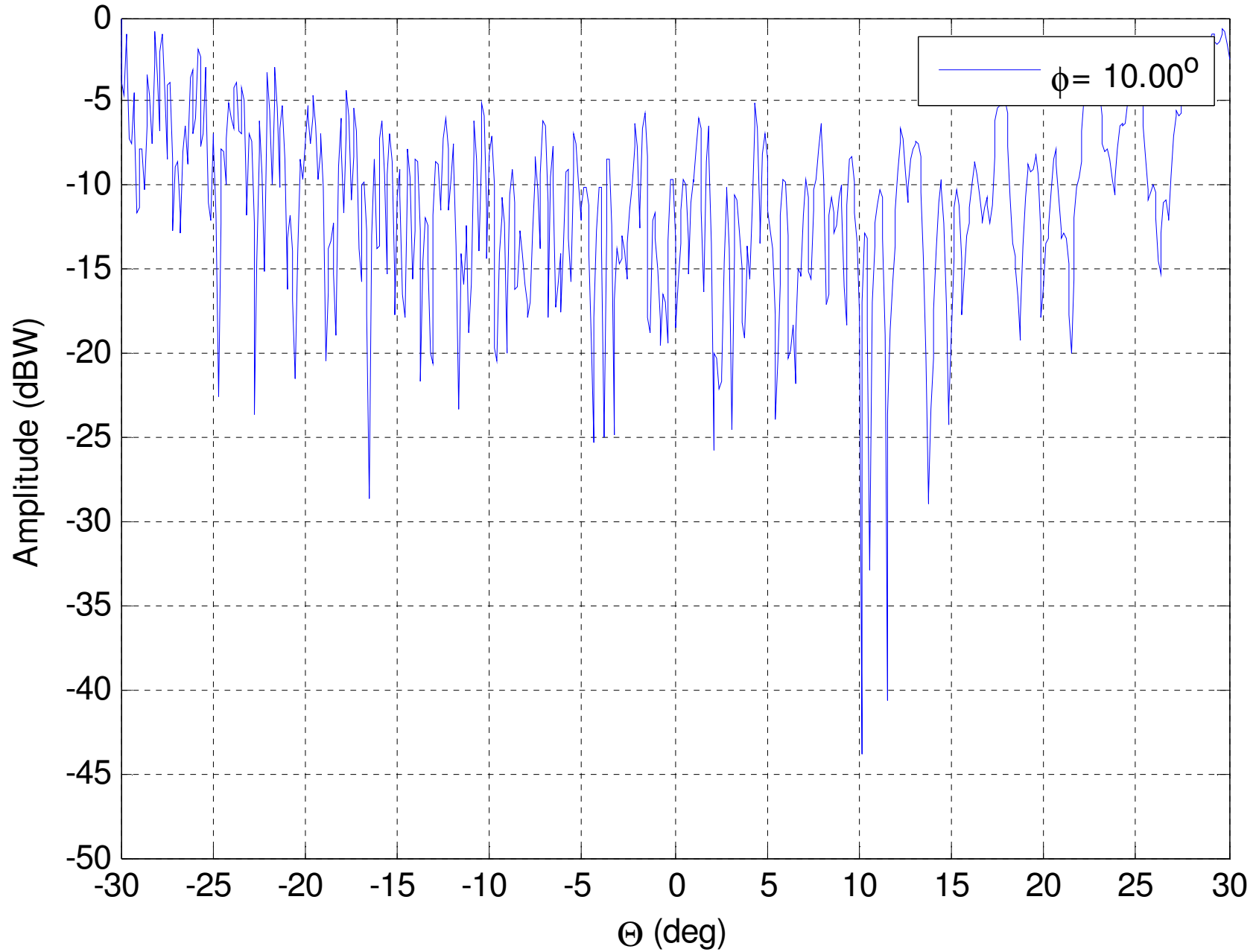
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-0.cut, Peak: 5.07 dBW, Date: 06-Oct-2011



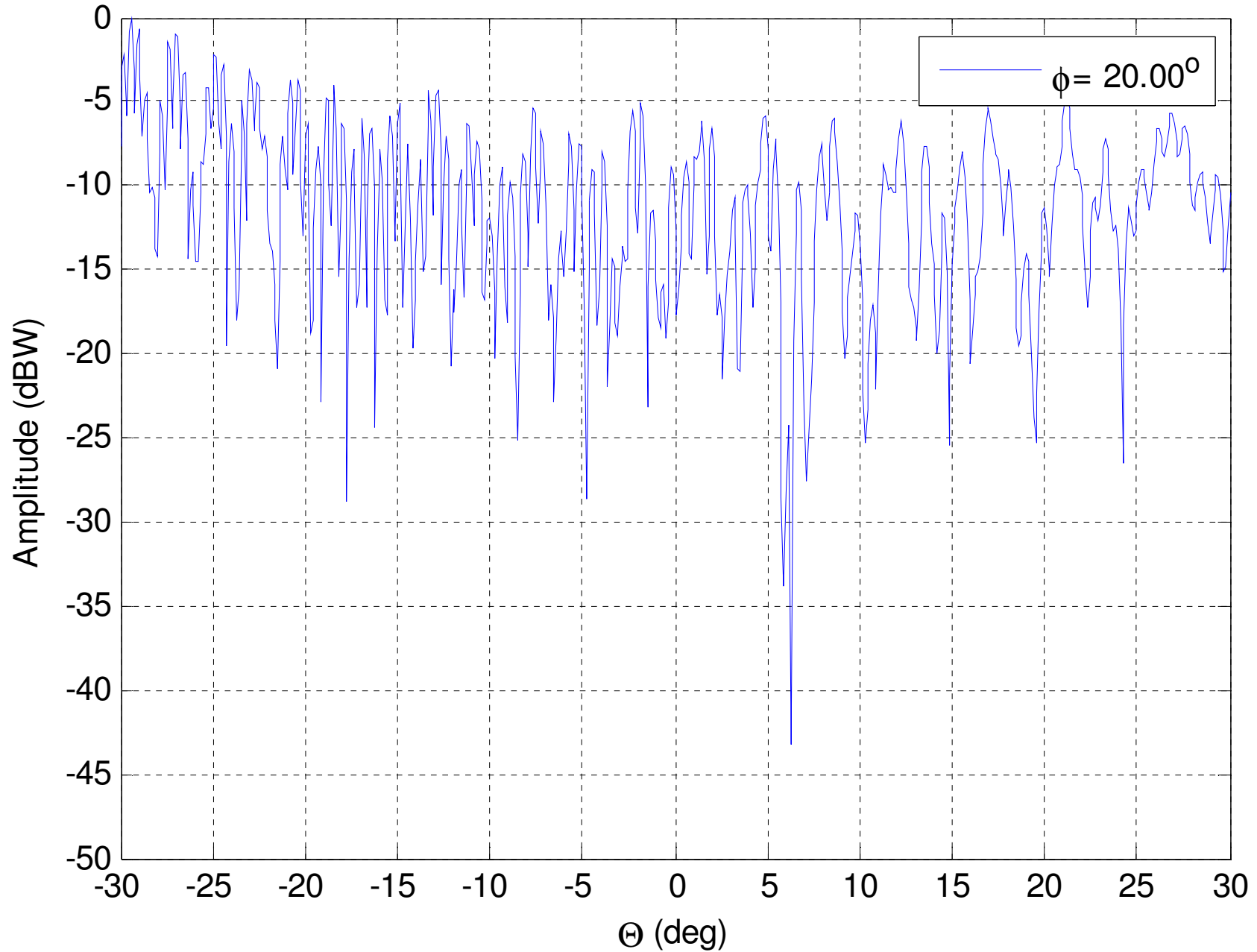
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-10.cut, Peak: 3.41 dBW, Date: 06-Oct-2011



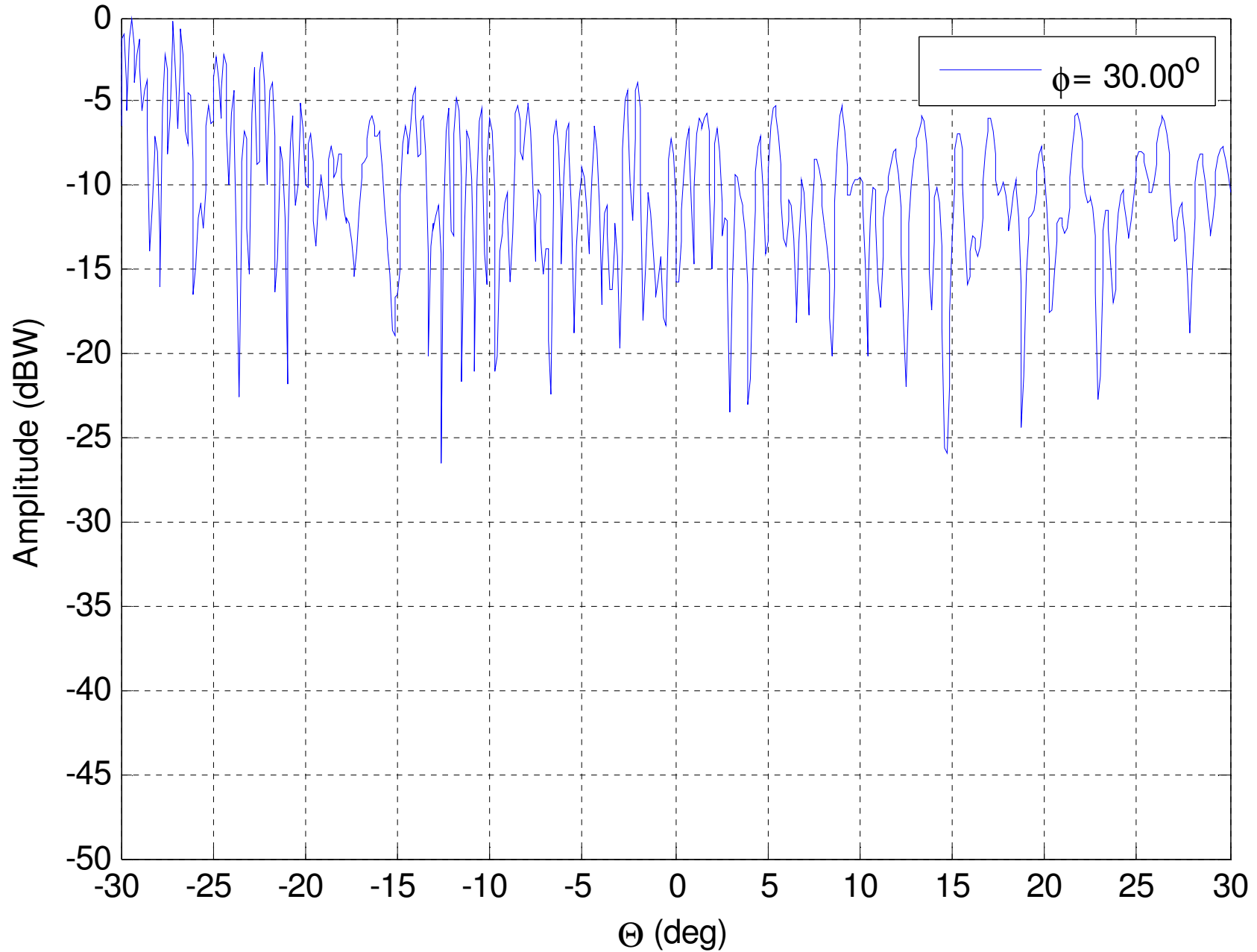
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-20.cut, Peak: 2.96 dBW, Date: 06-Oct-2011



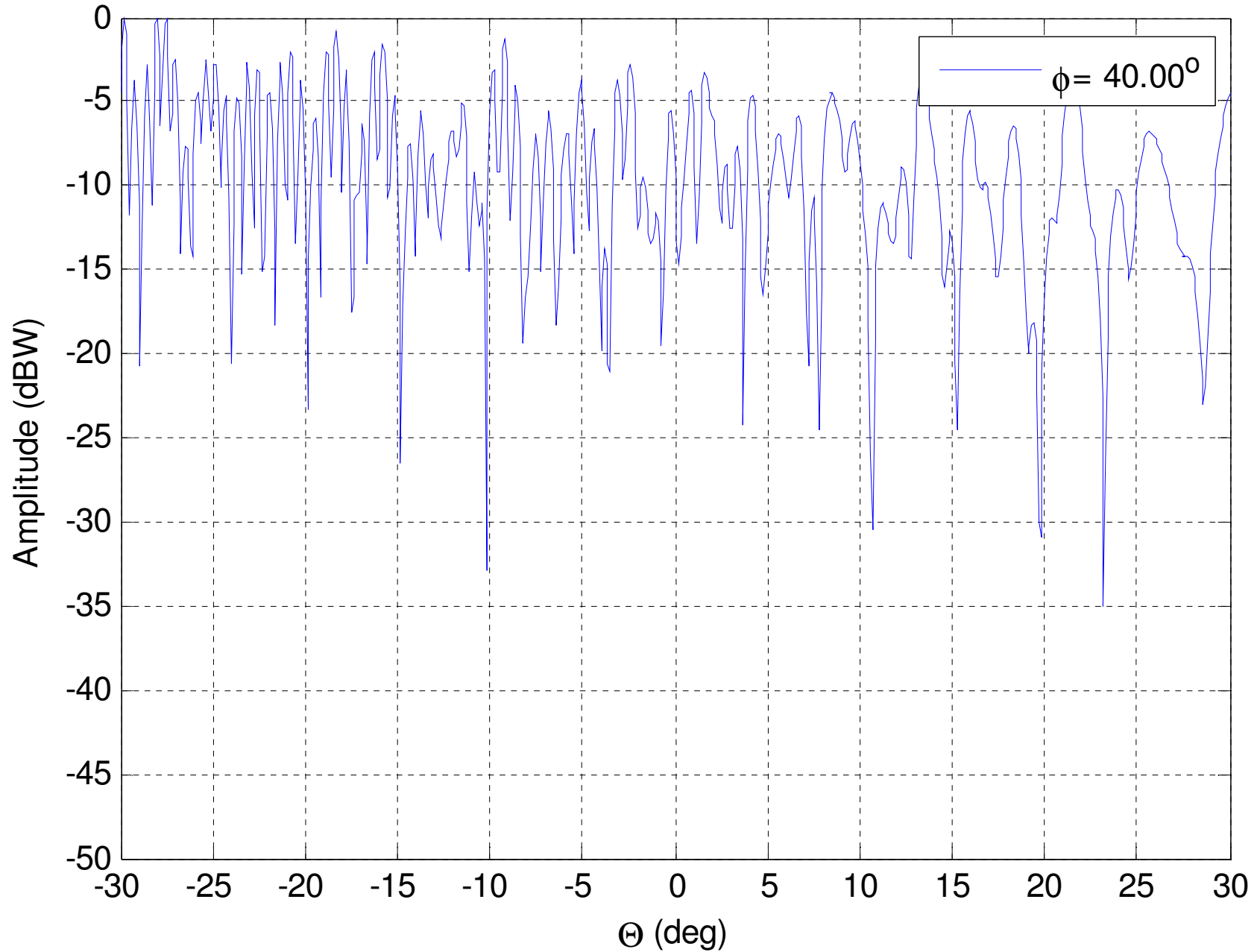
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-30.cut, Peak: 1.55 dBW, Date: 06-Oct-2011



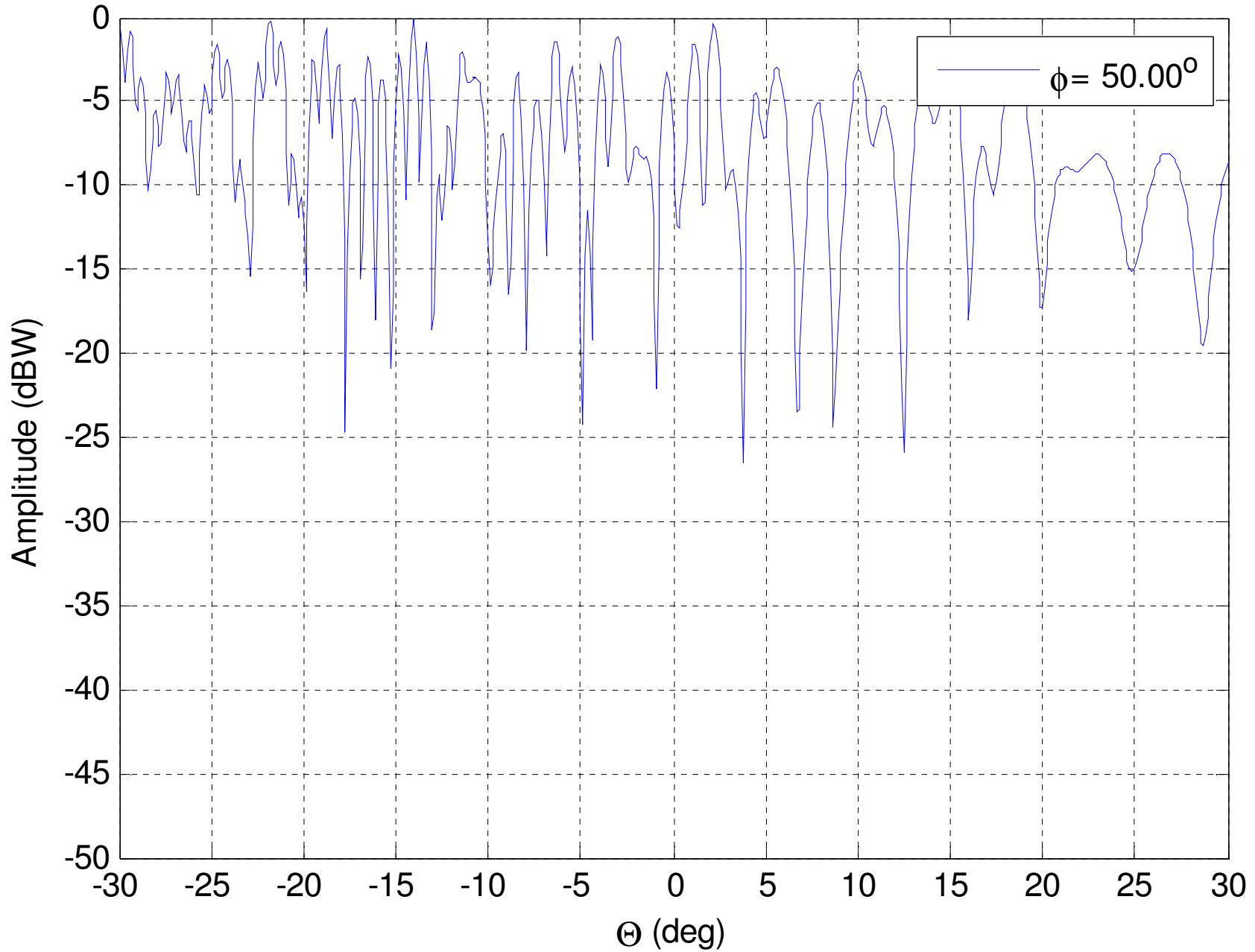
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-40.cut, Peak: -0.16 dBW, Date: 06-Oct-2011



Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-50.cut, Peak: -2.23 dBW, Date: 06-Oct-2011



Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-60.cut, Peak: -1.69 dBW, Date: 06-Oct-2011

