

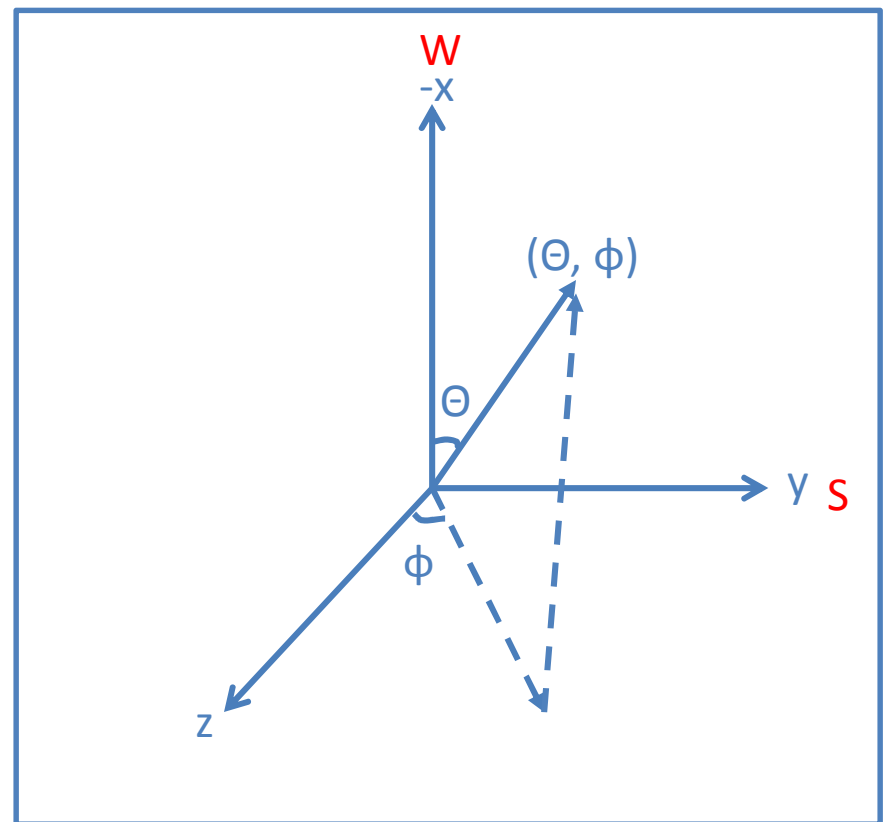
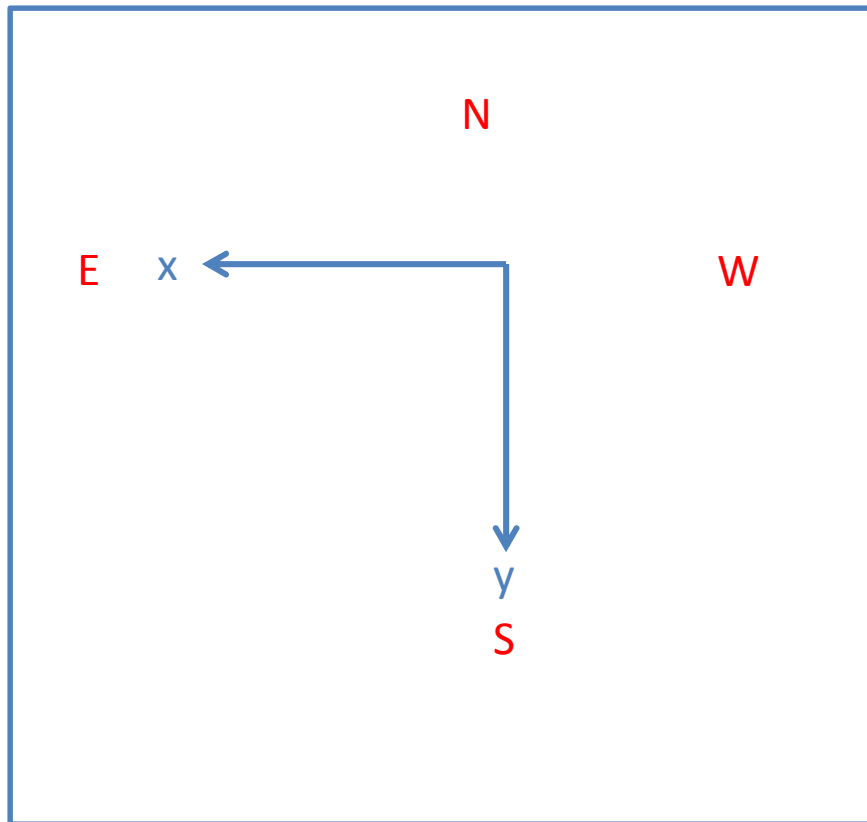
March 9, 2012

103.15 West Adjacent Satellite Off Axis Antenna Performance CONUS Beam

Maximum Allowable EIRP to meet the -117dBW/m²/100 kHz

Maximum EIRP Allowed	
Spec Max flux density, dBW/m ² /100kHz	-117
Desired channel band width, MHz	26
Symbol rate band width modification factor	1
Effective channel bandwidth, MHz	26
Effective bandwidth, dB-100kHz	24.1
Flux density allowed per channel, dBW/m ²	-92.9
R, radial distance to GEO, km	42164.0
Angle of separation between satellites, deg	1.85
range between satellites, km	1361.415
Spreading factor, dB/m ²	-133.7
Atmospheric loss, dB	0
Max satellite EIRP allowed, dBW	40.8

Coordinate System



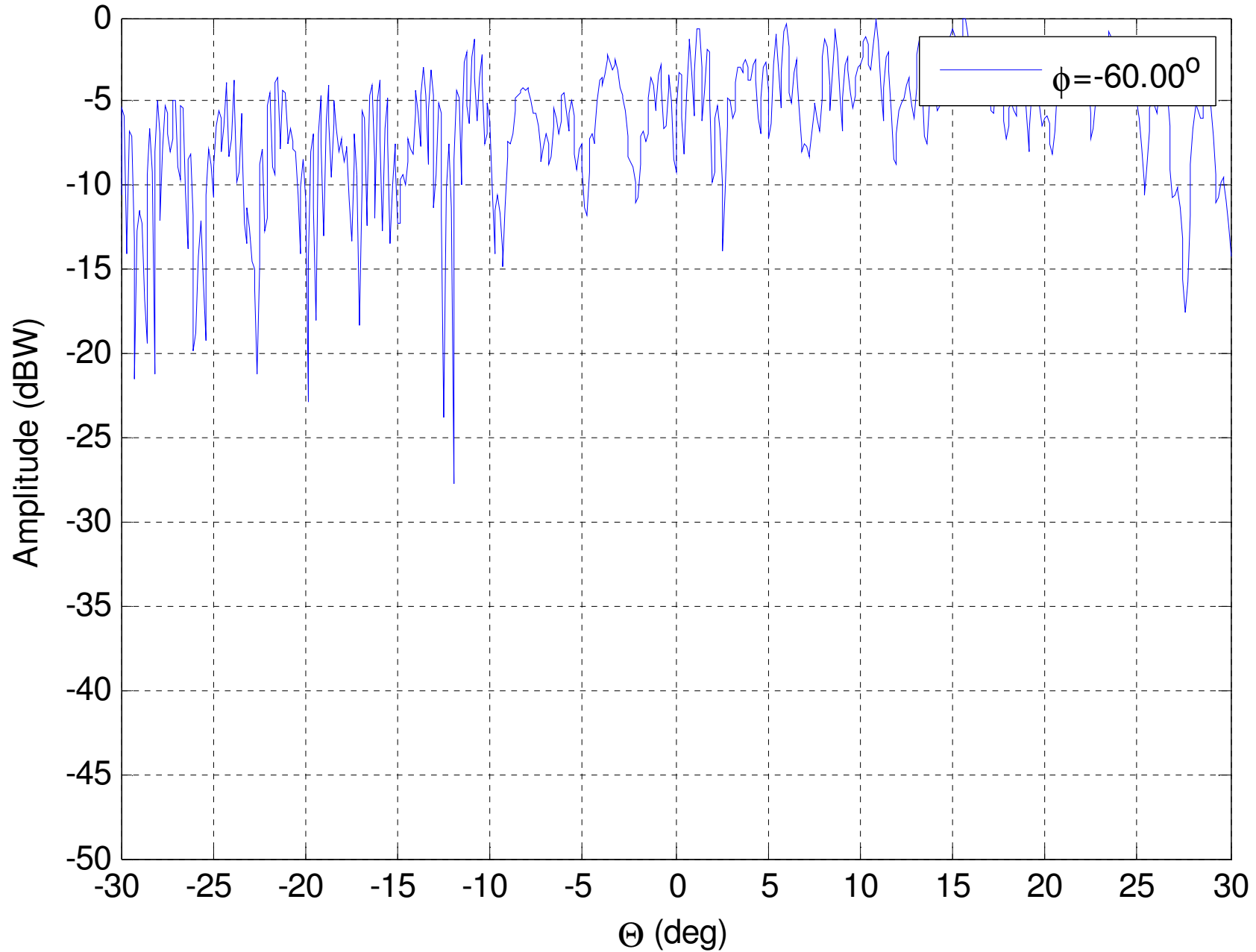
CONUS Beam, -X Axis Plots

- Both polarizations; RHCP, LHCP
- $-30 < \Theta < 30$ ($\Theta=0$: -X -axis)
- $-60 < \phi < 60$
- Freq = 17.305(17.3), 17.5, and 17.695(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 25.0 dBW conversion factor from the amplitude
- All levels are significantly below the required +40.8 dBW EIRP shown on chart 2

RHCP at 17.305 GHz

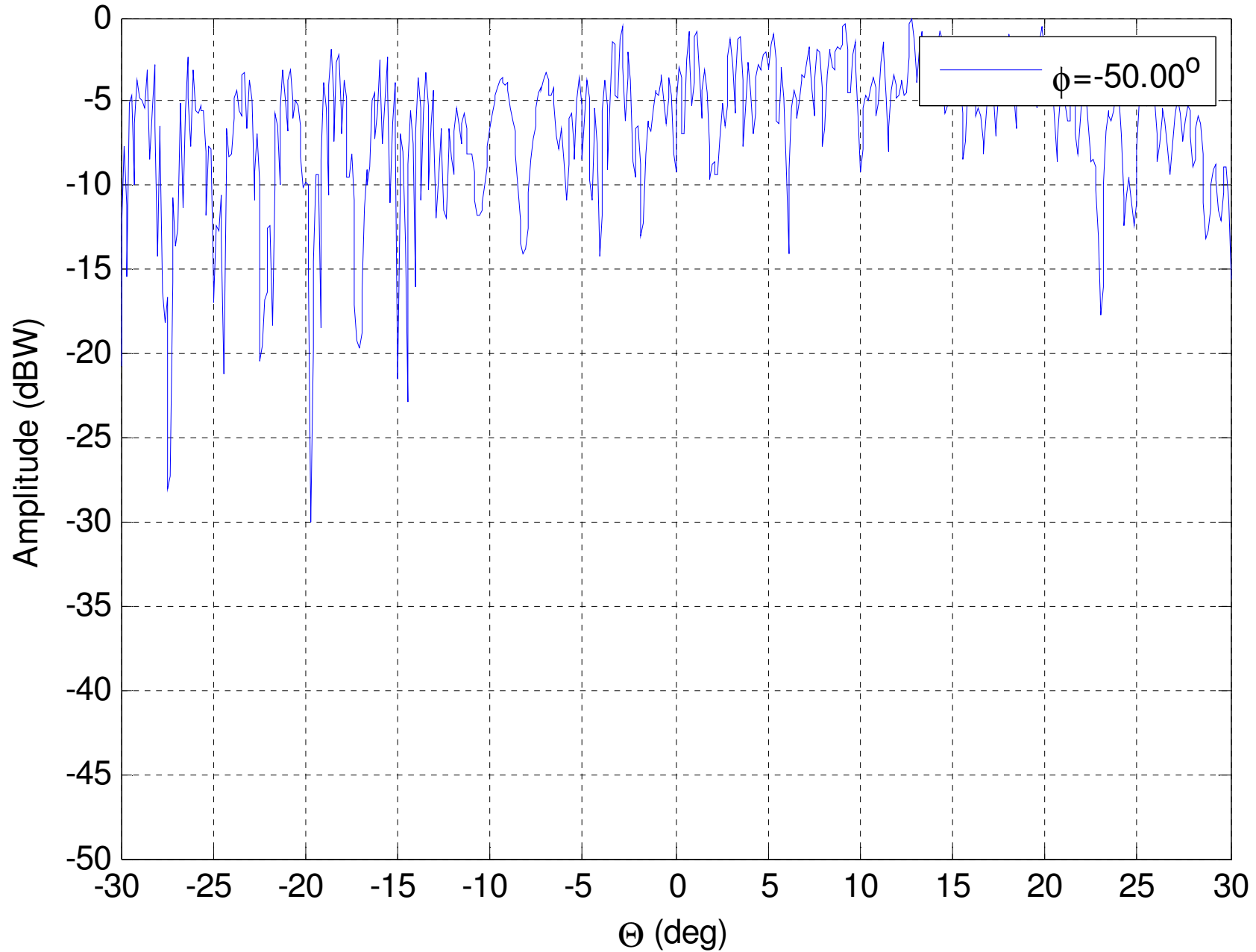
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--60.cut, Peak: -1.54 dBW, Date: 09-Mar-2012



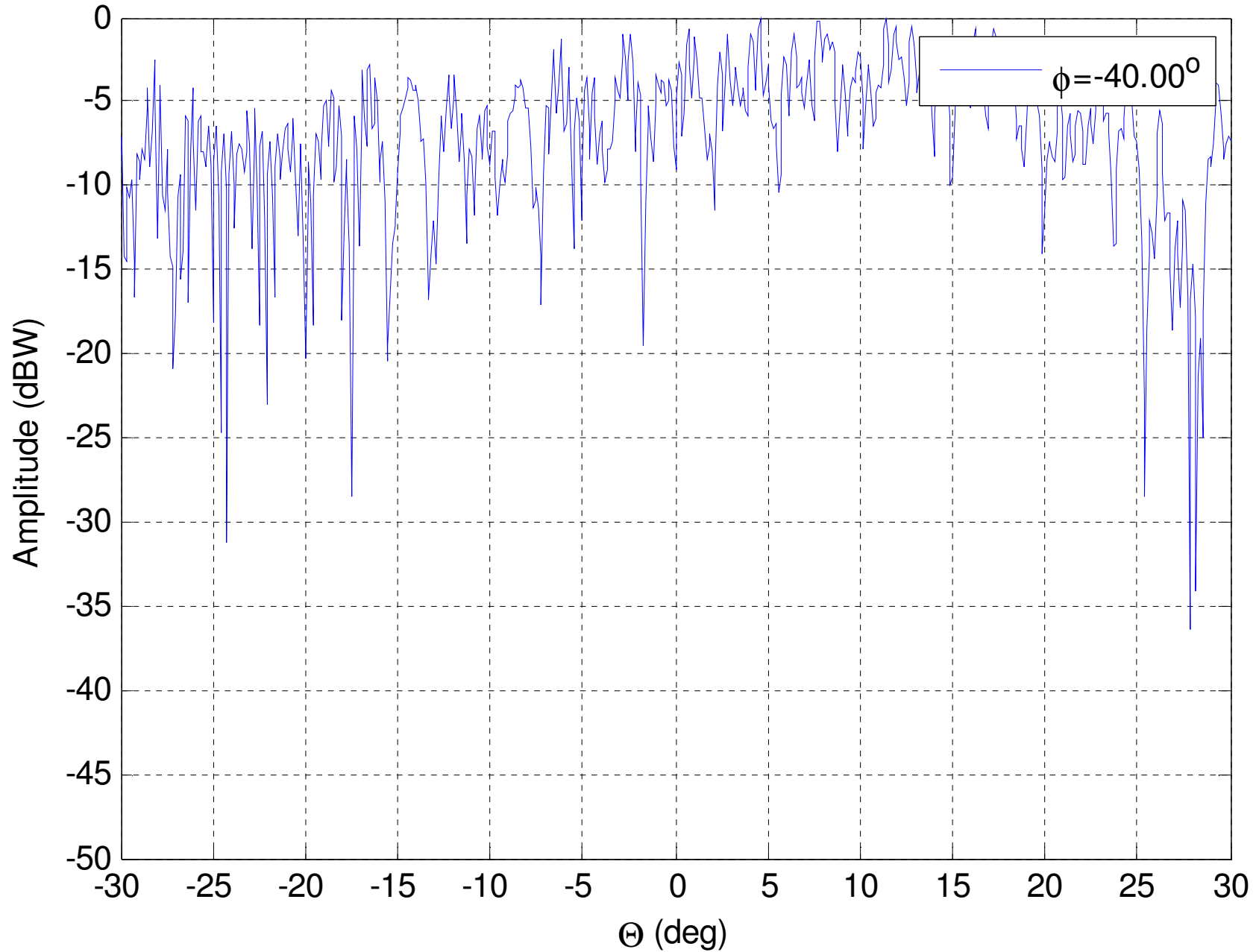
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--50.cut, Peak: -1.55 dBW, Date: 09-Mar-2012



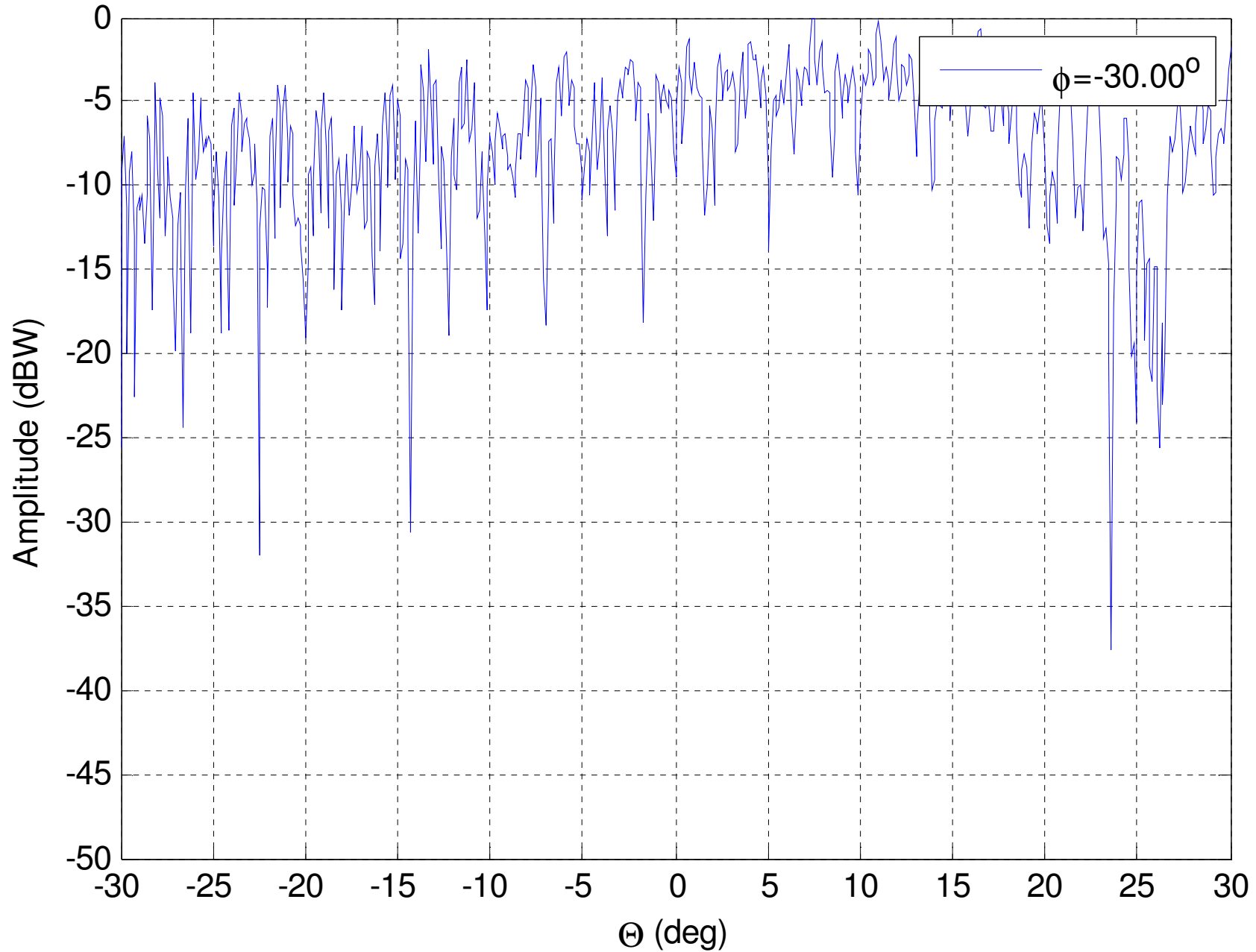
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--40.cut, Peak: -1.70 dBW, Date: 09-Mar-2012



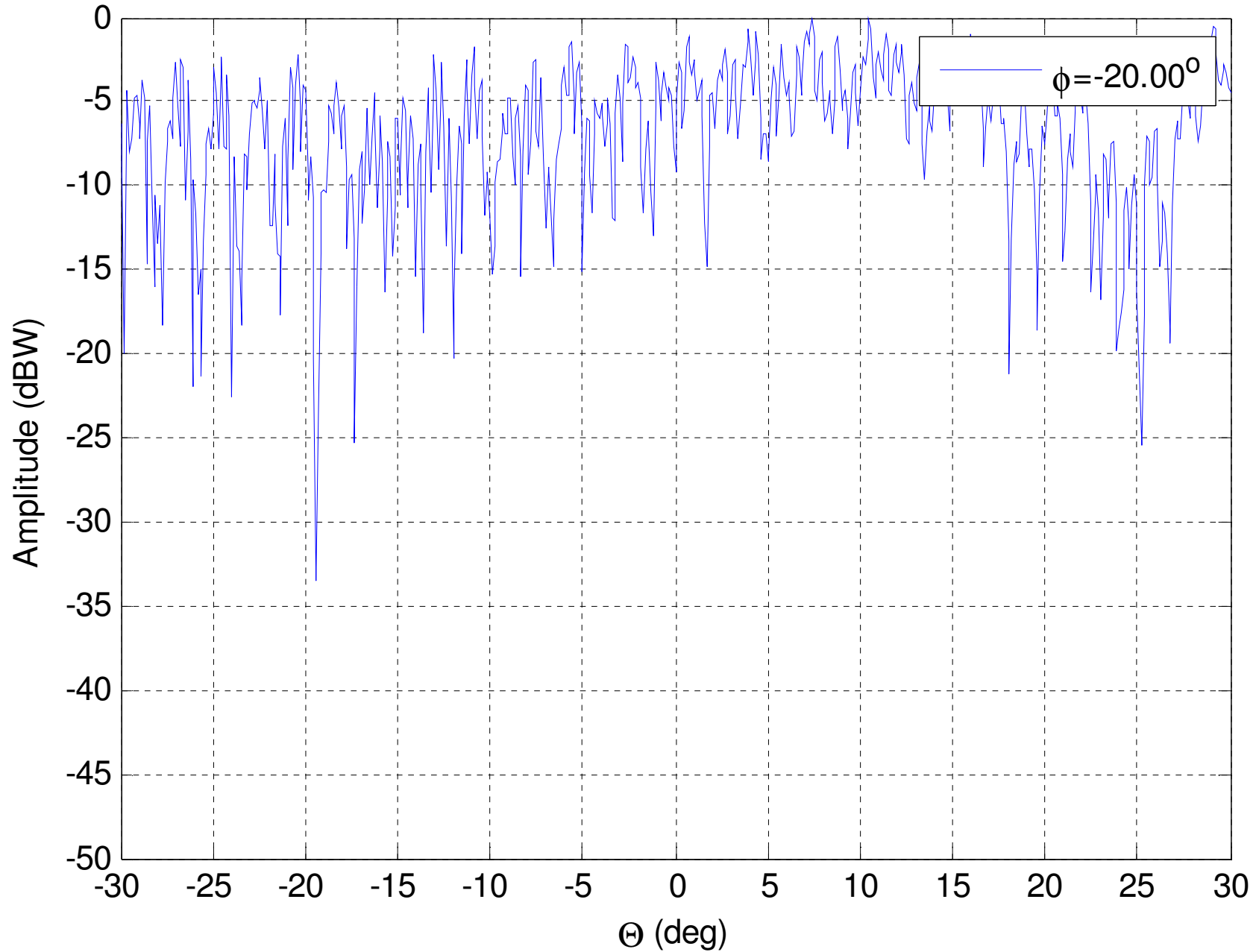
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--30.cut, Peak: -1.26 dBW, Date: 09-Mar-2012



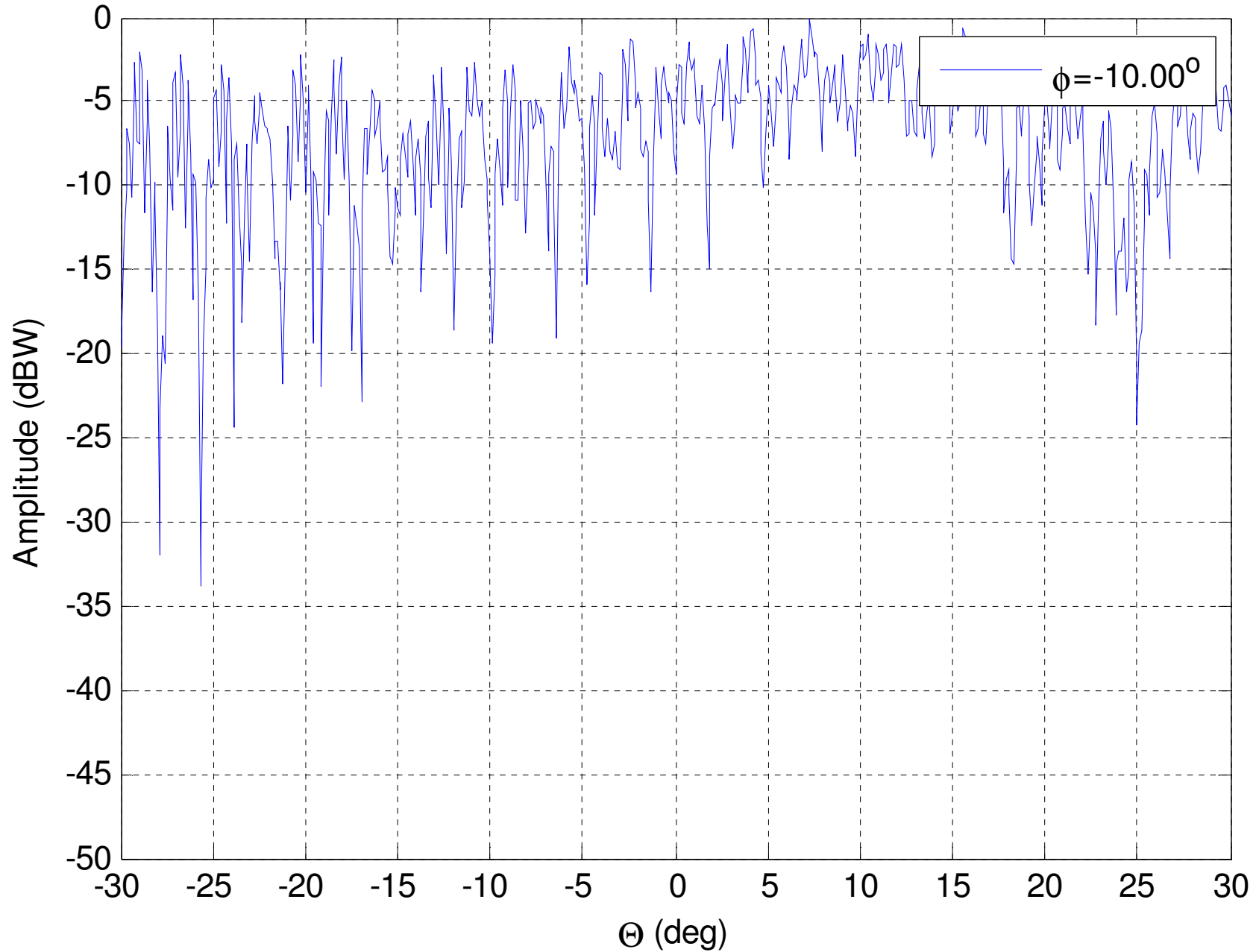
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--20.cut, Peak: -1.57 dBW, Date: 09-Mar-2012



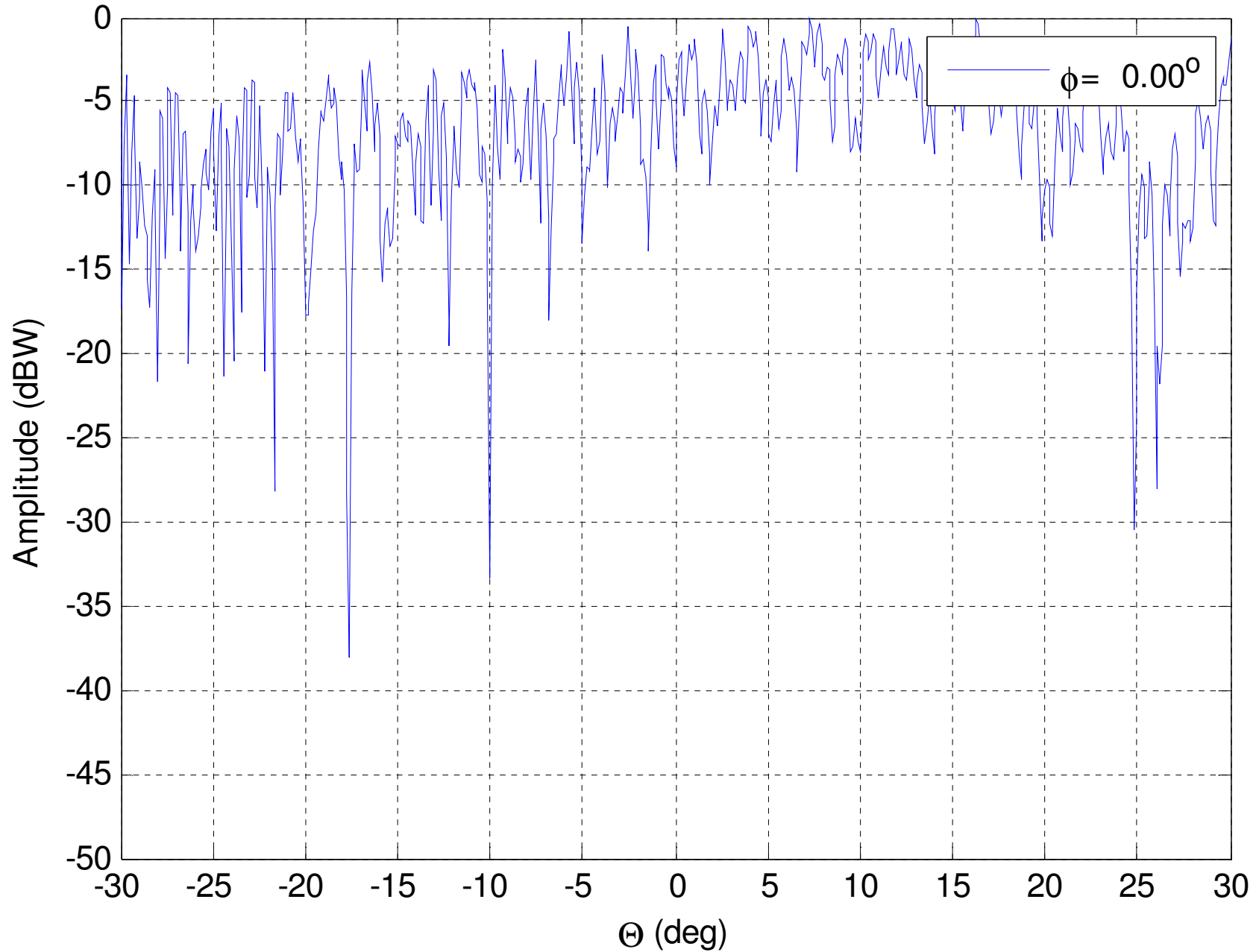
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--10.cut, Peak: -1.42 dBW, Date: 09-Mar-2012



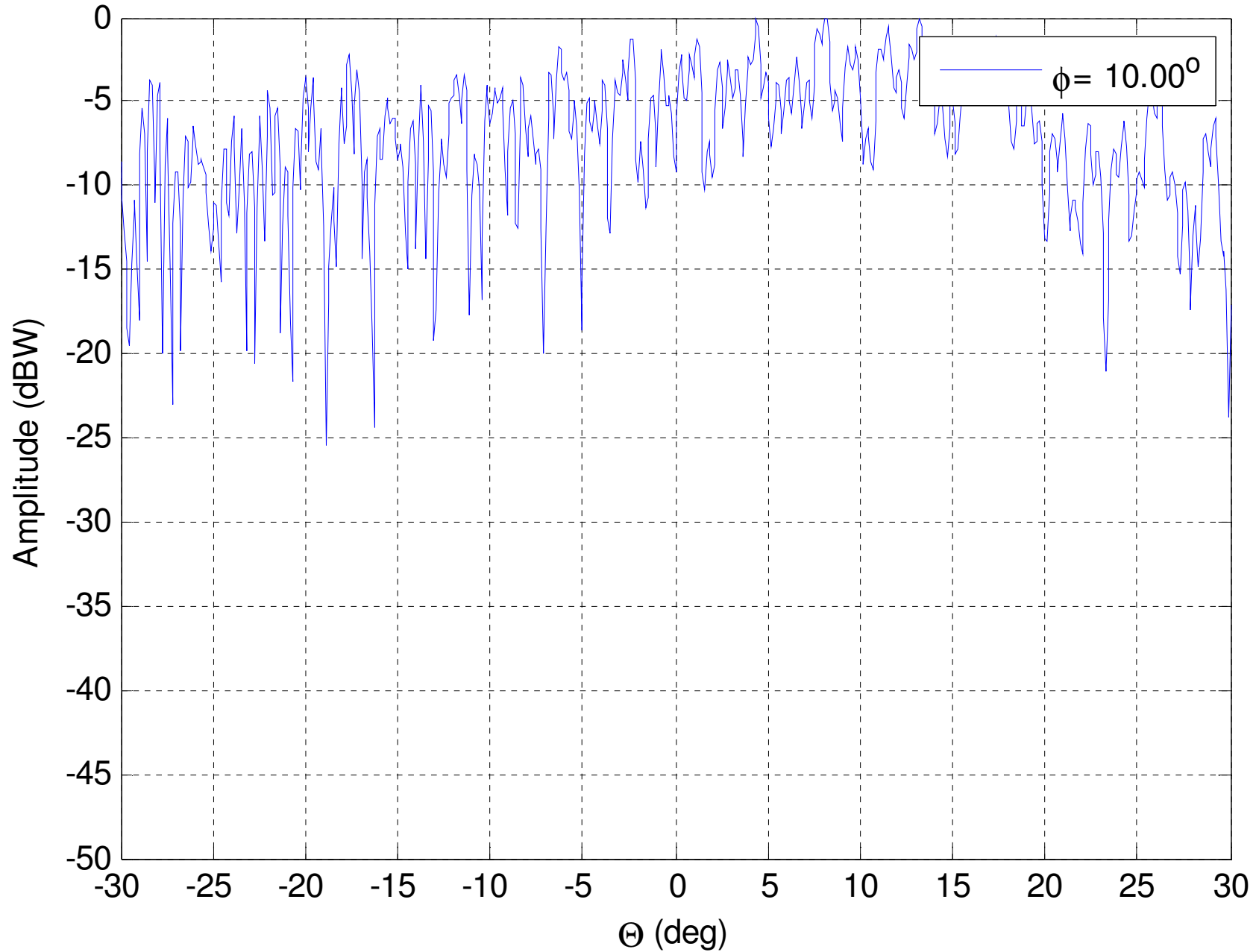
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-0.cut, Peak: -1.88 dBW, Date: 09-Mar-2012



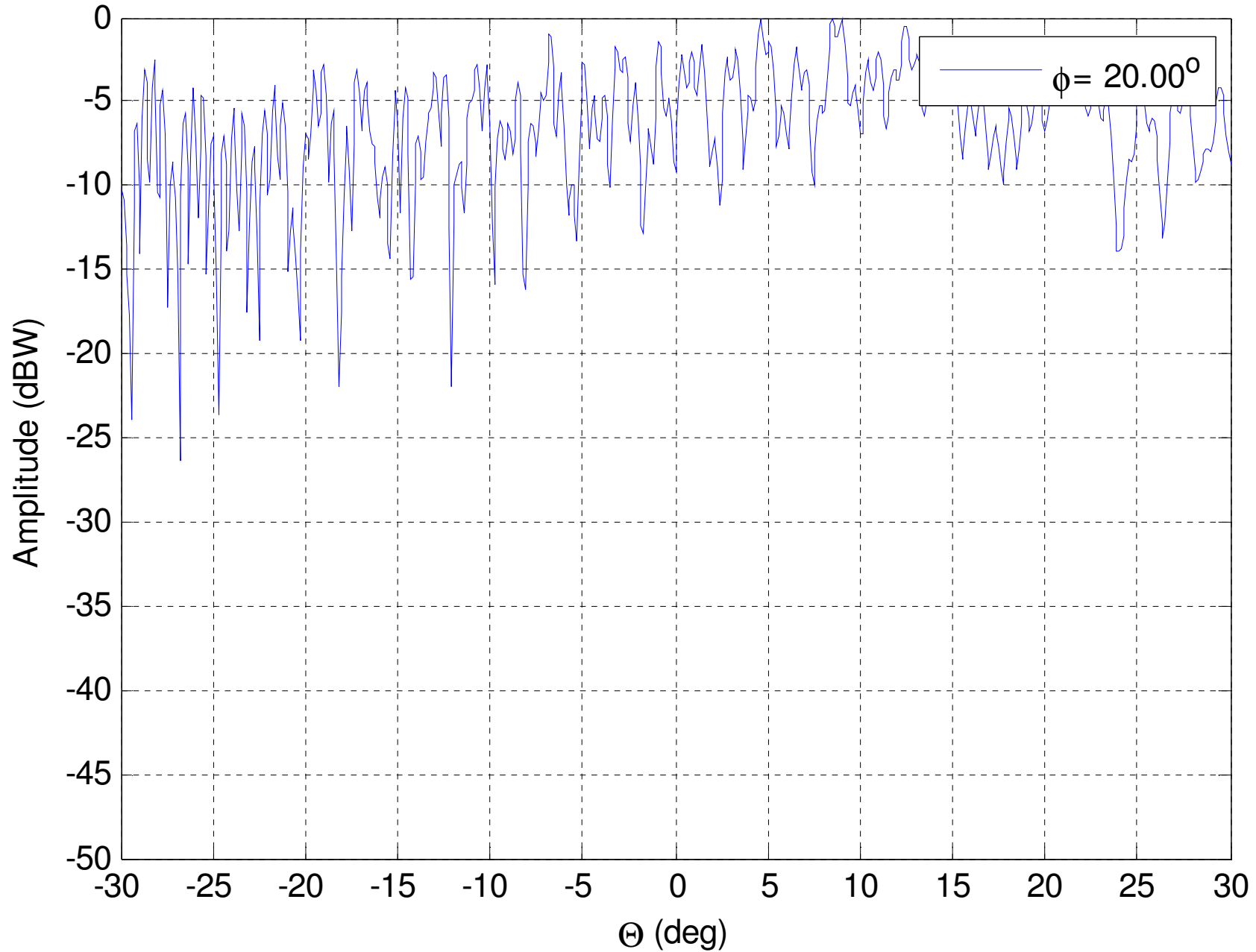
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-10.cut, Peak: -1.54 dBW, Date: 09-Mar-2012



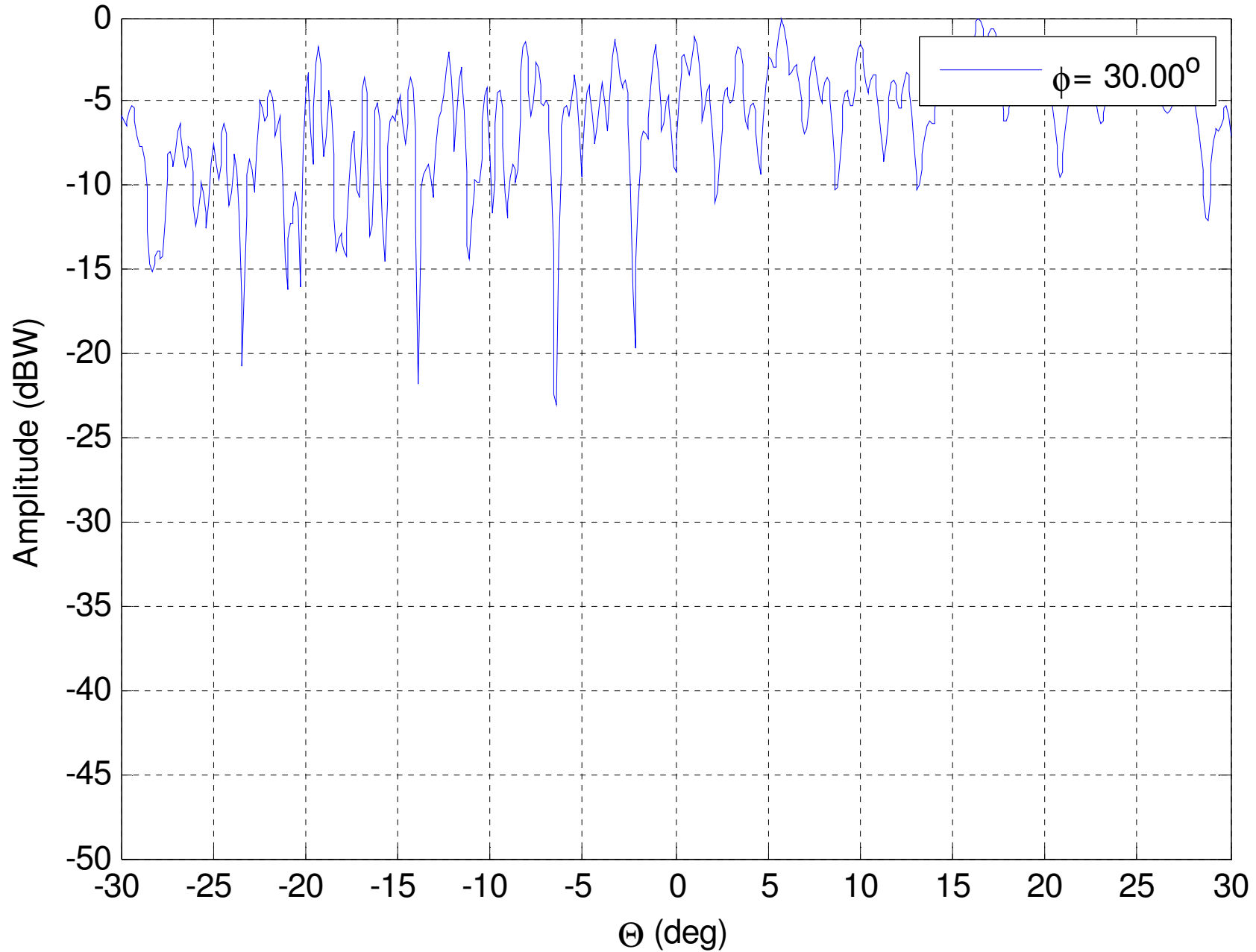
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-20.cut, Peak: -1.61 dBW, Date: 09-Mar-2012



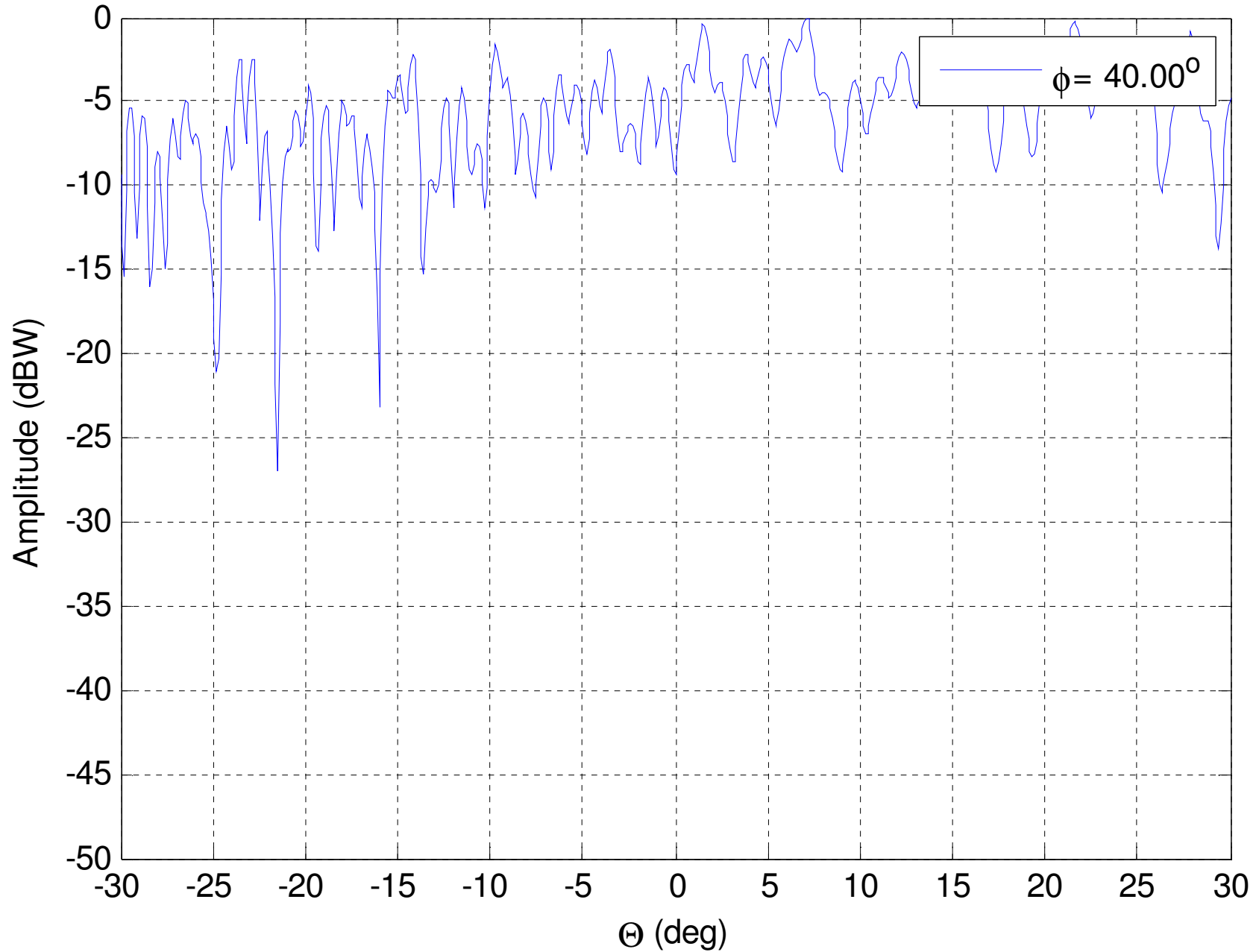
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-30.cut, Peak: -1.54 dBW, Date: 09-Mar-2012



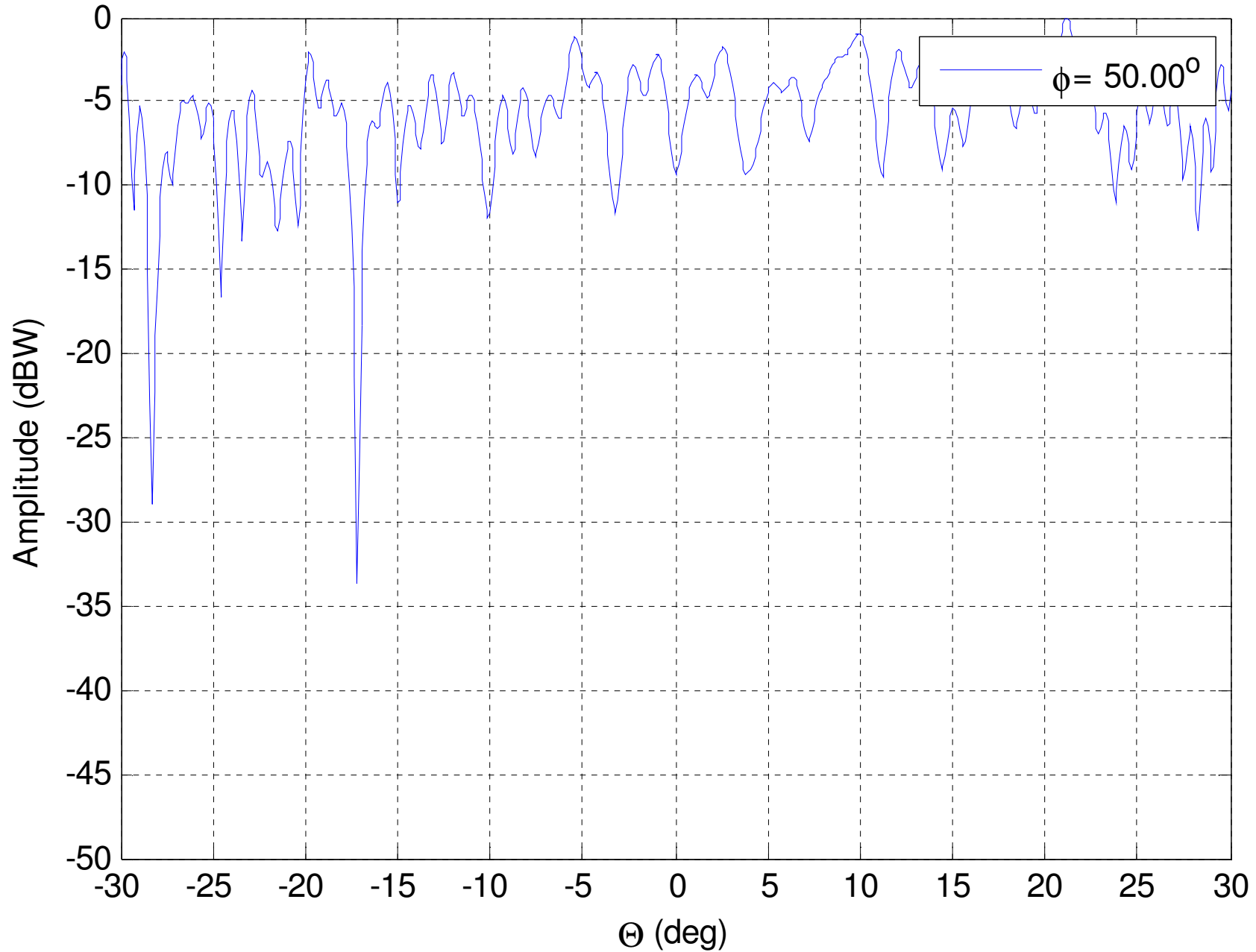
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-40.cut, Peak: -1.43 dBW, Date: 09-Mar-2012



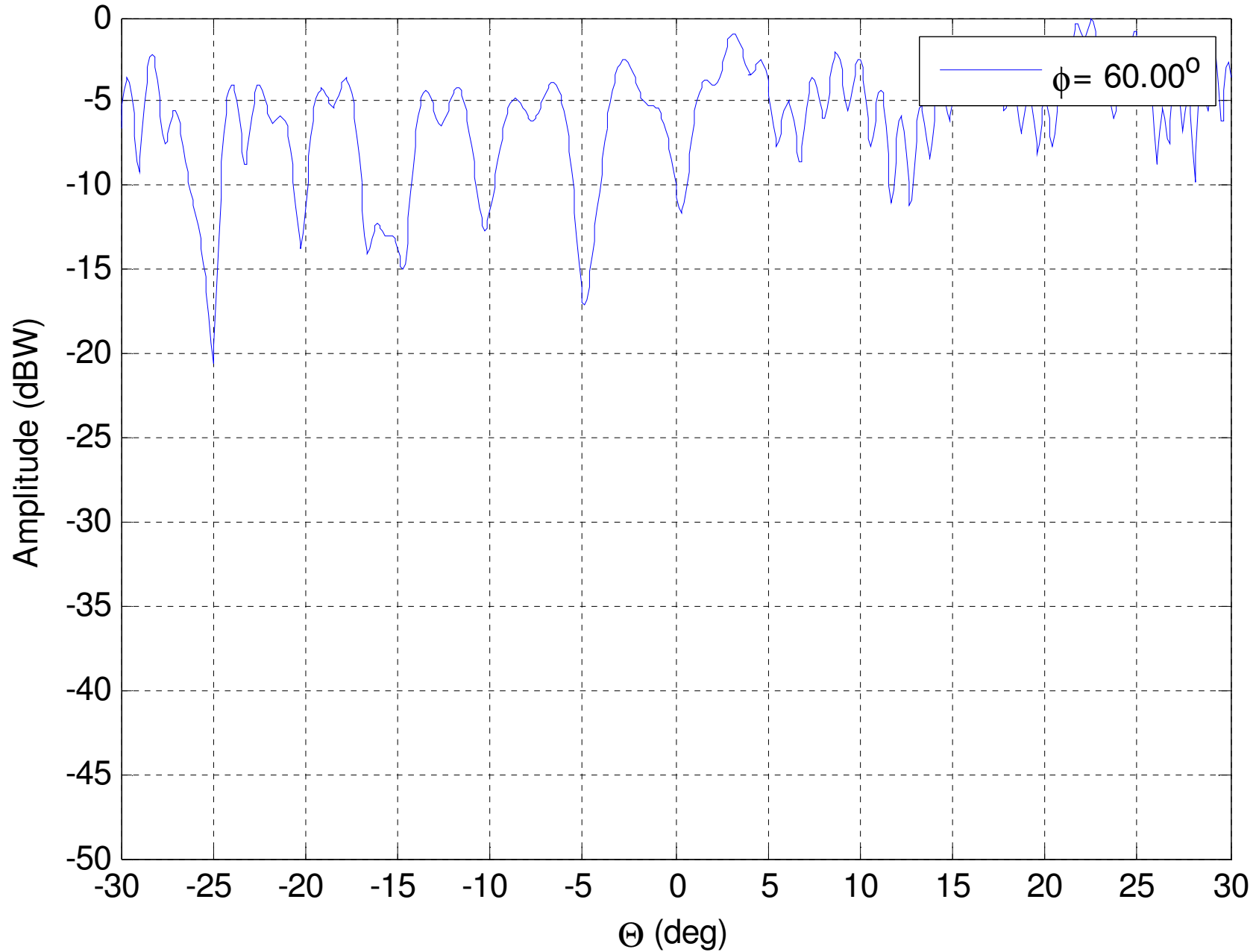
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-50.cut, Peak: -1.44 dBW, Date: 09-Mar-2012



Normalized pattern cuts - farfield

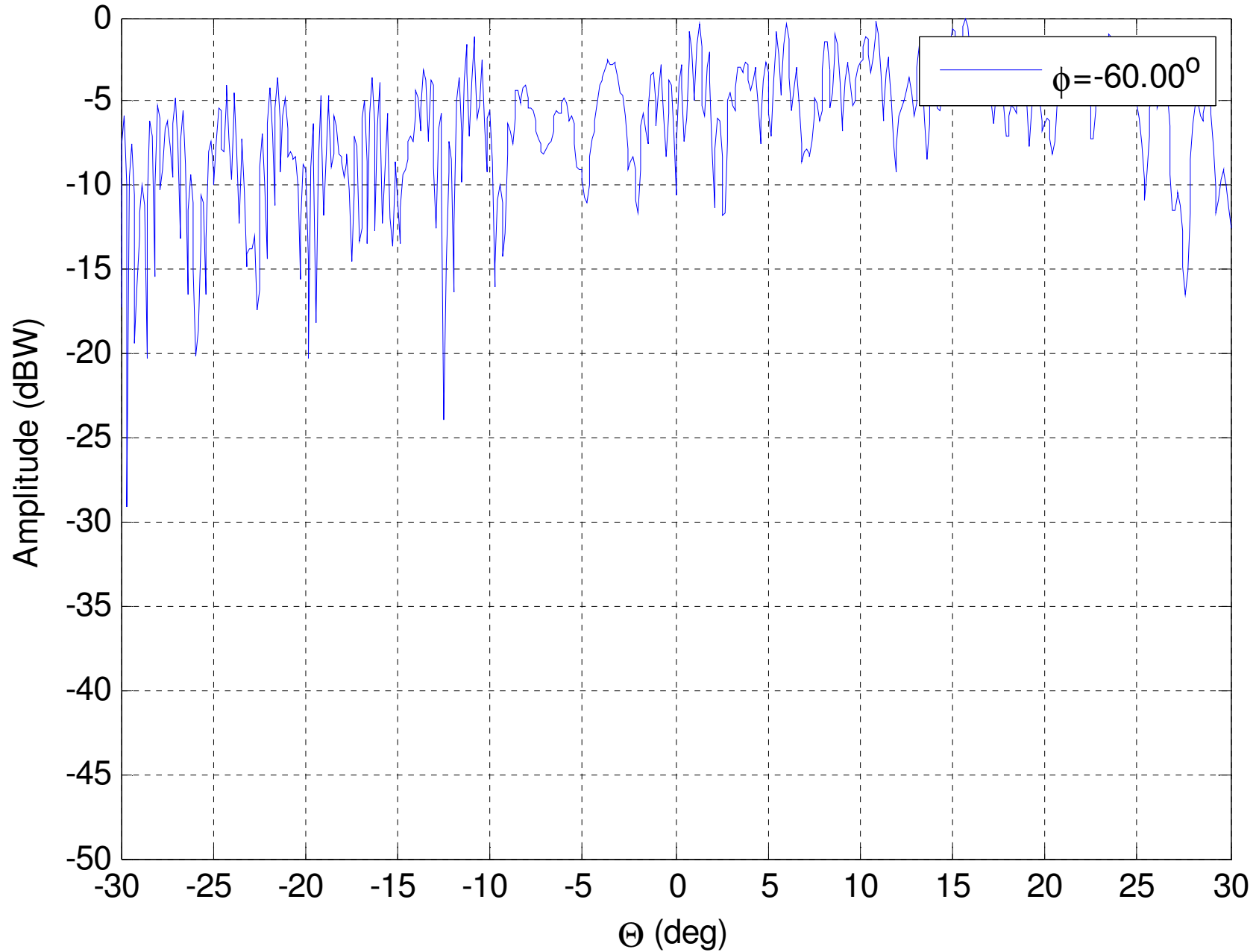
Input file: tx-17.3-rhcp-60.cut, Peak: -0.86 dBW, Date: 09-Mar-2012



LHCP at 17.305 GHz

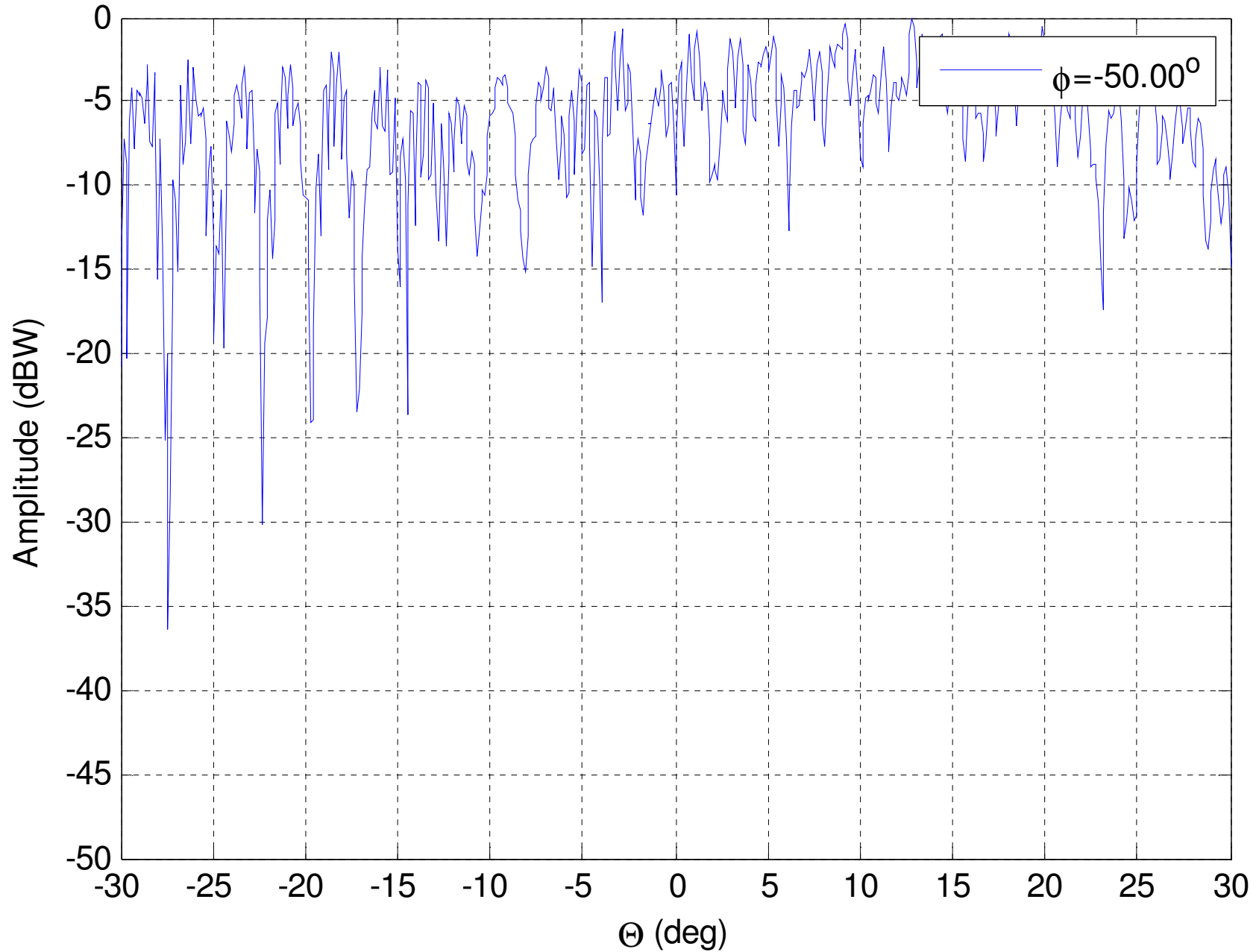
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--60.cut, Peak: -1.46 dBW, Date: 09-Mar-2012



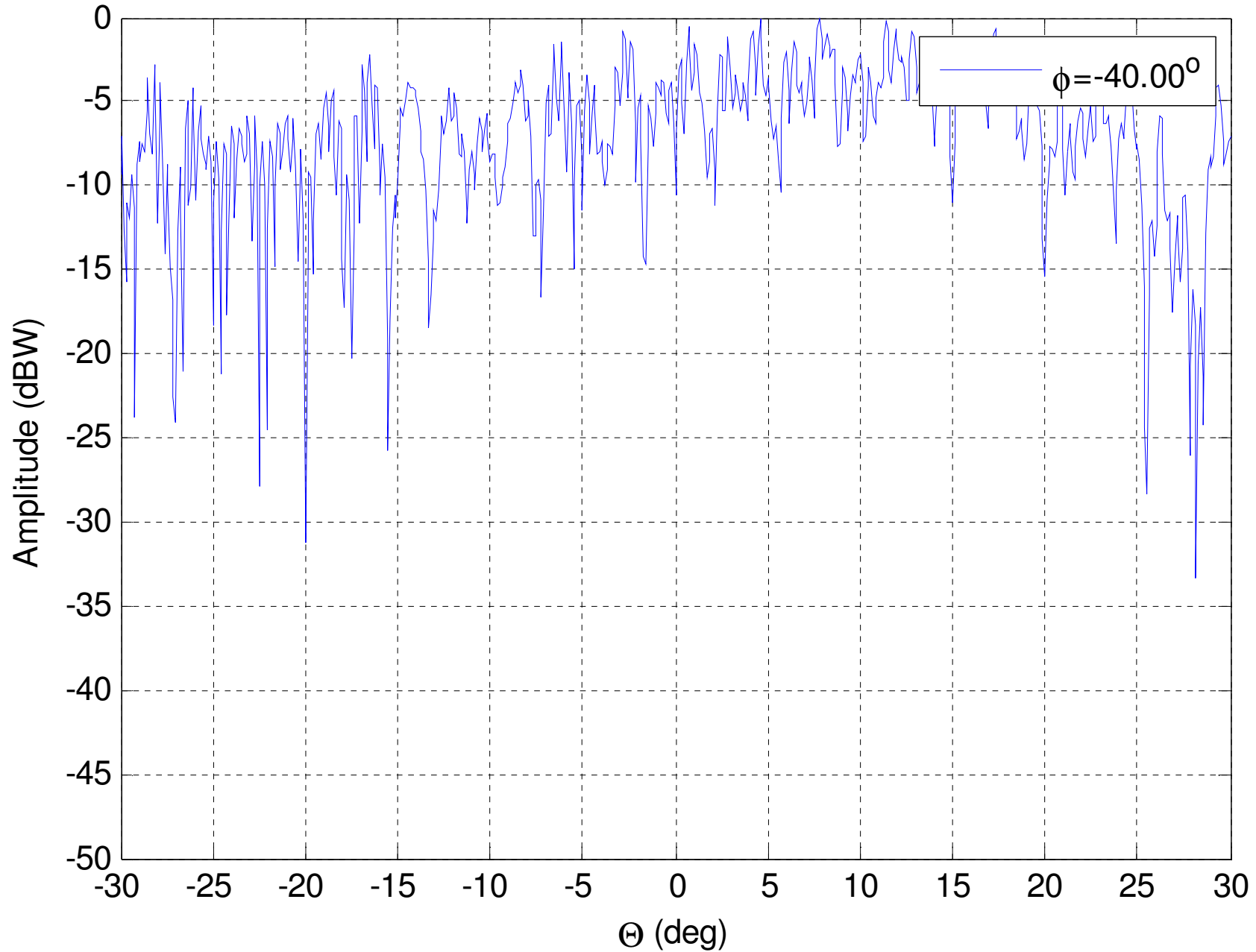
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--50.cut, Peak: -1.49 dBW, Date: 09-Mar-2012



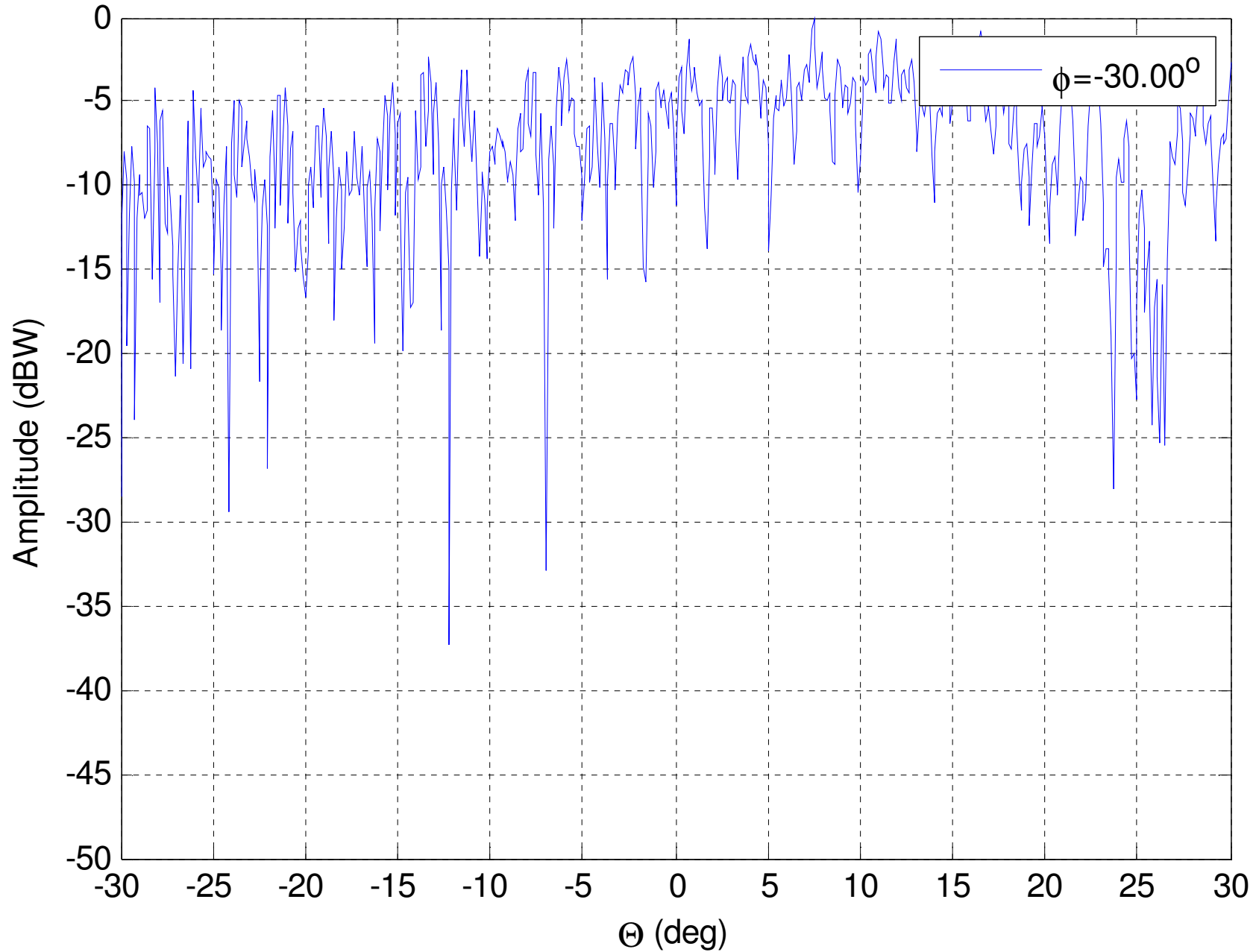
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--40.cut, Peak: -1.59 dBW, Date: 09-Mar-2012



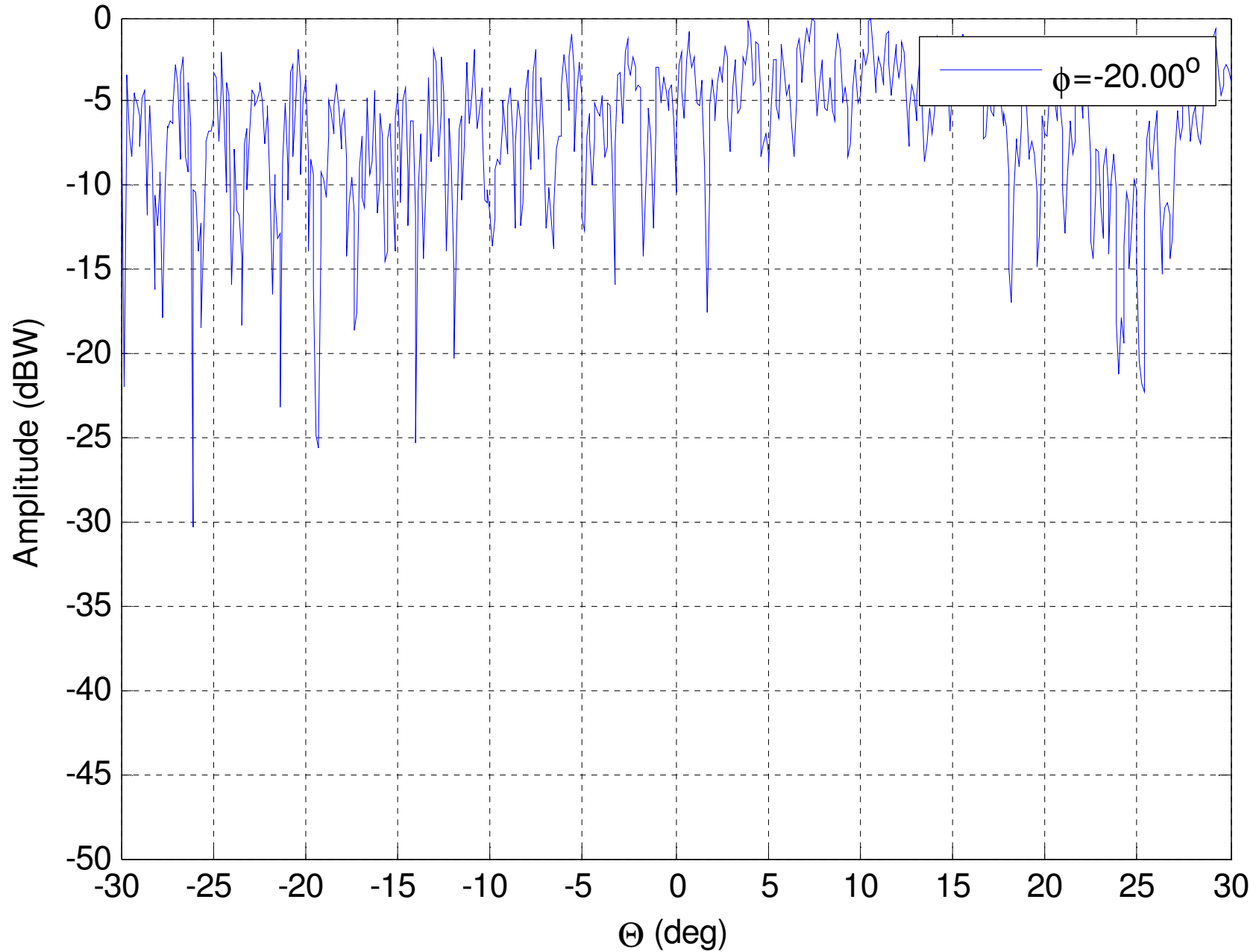
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--30.cut, Peak: -0.98 dBW, Date: 09-Mar-2012



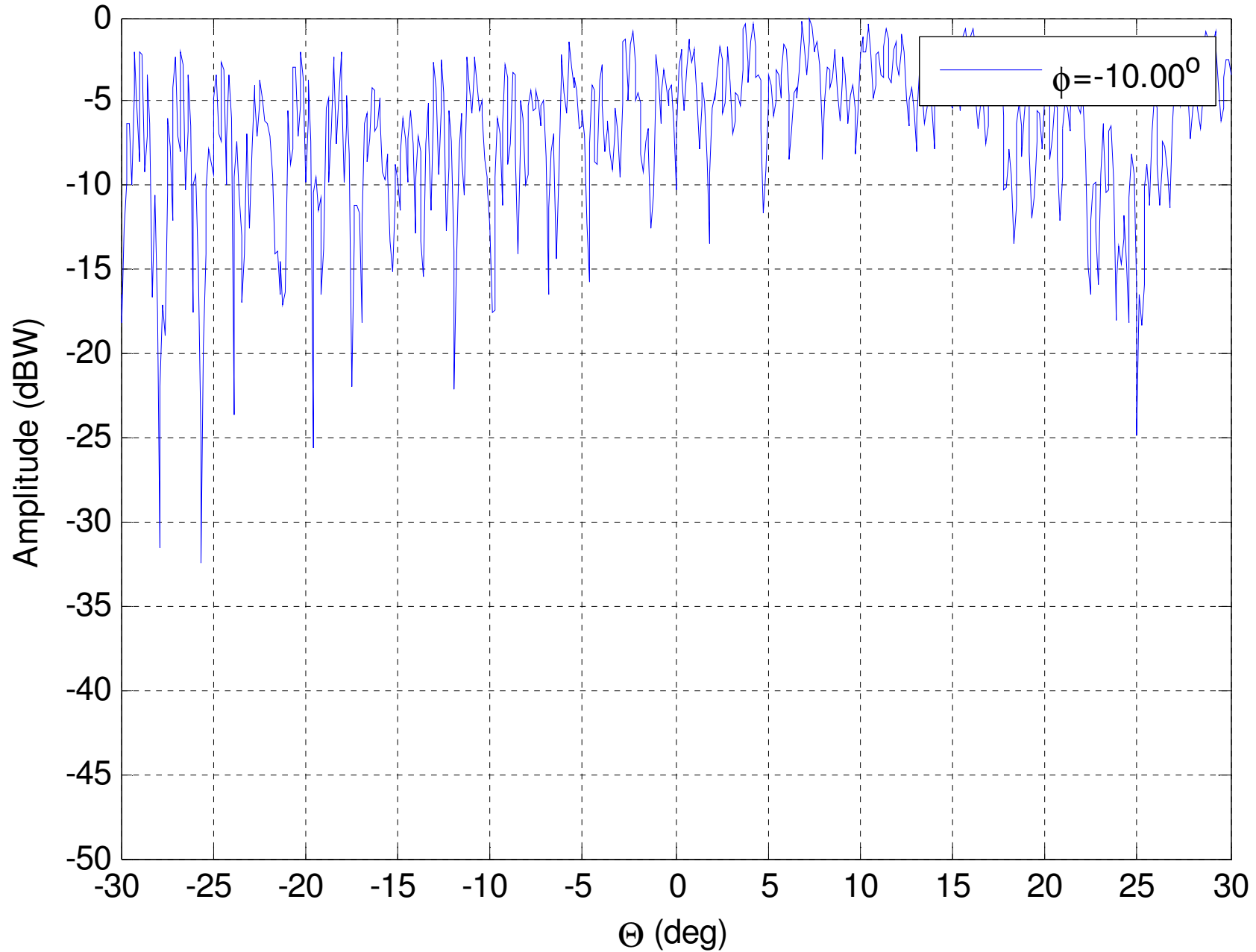
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--20.cut, Peak: -1.71 dBW, Date: 09-Mar-2012



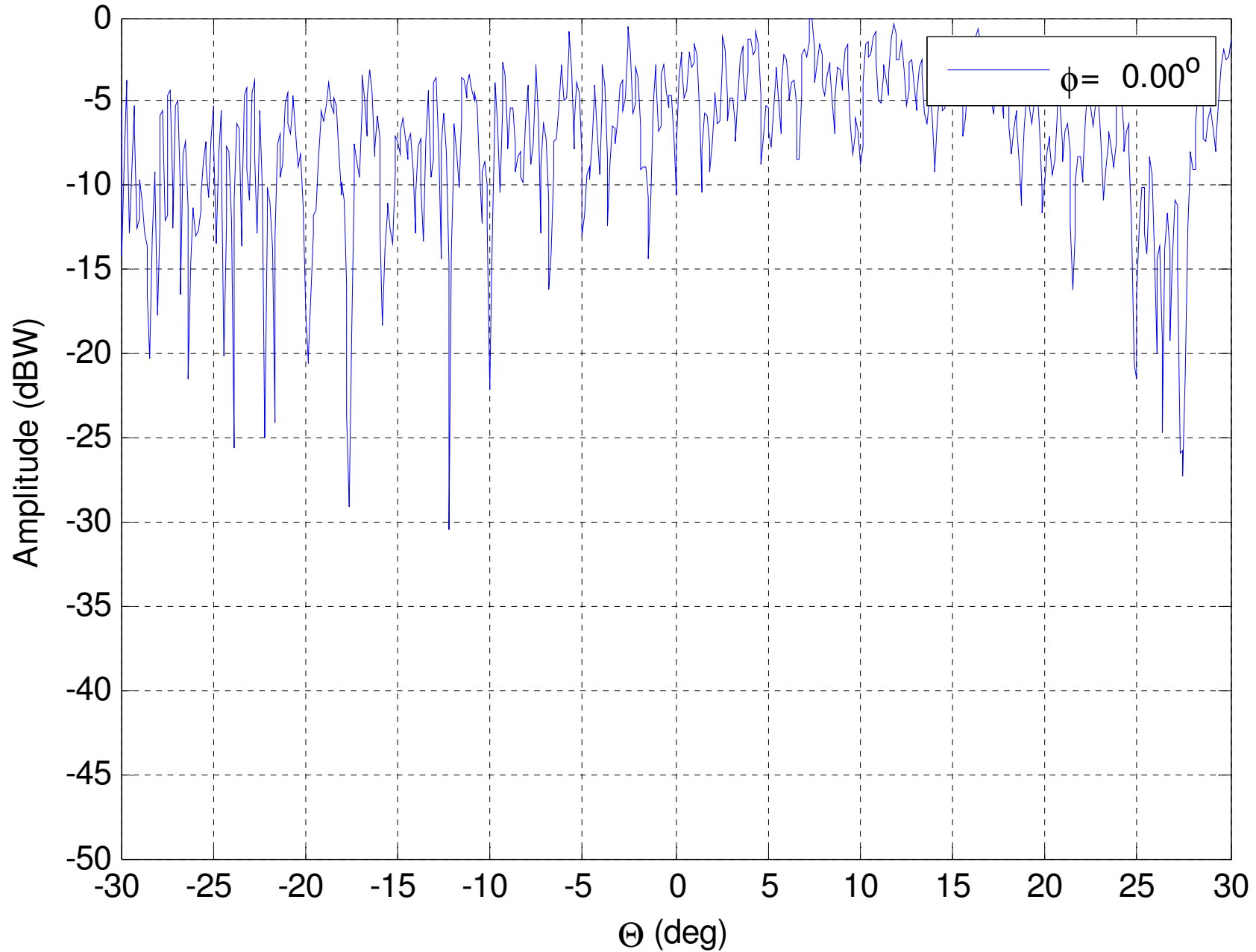
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--10.cut, Peak: -1.79 dBW, Date: 09-Mar-2012



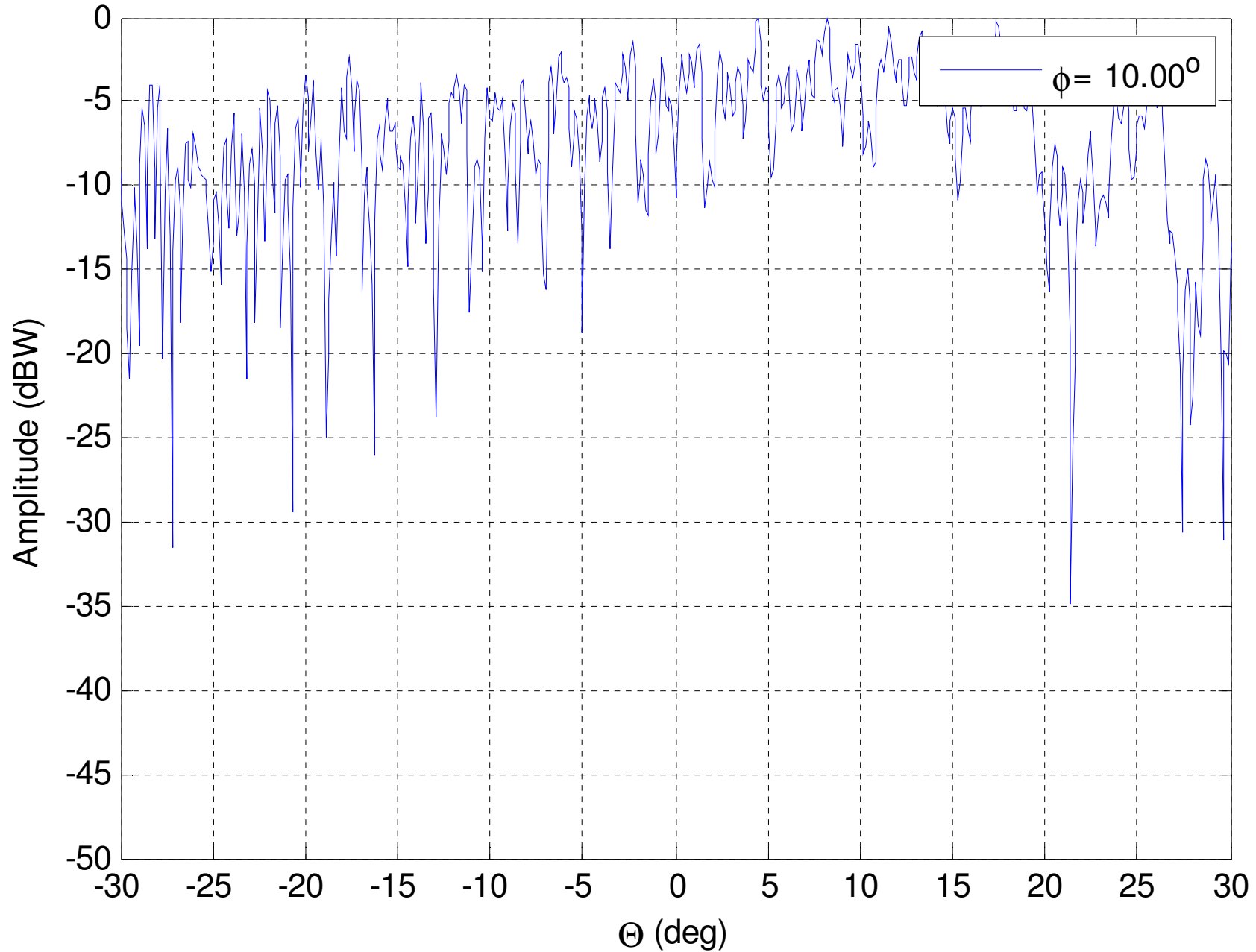
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-0.cut, Peak: -1.54 dBW, Date: 09-Mar-2012



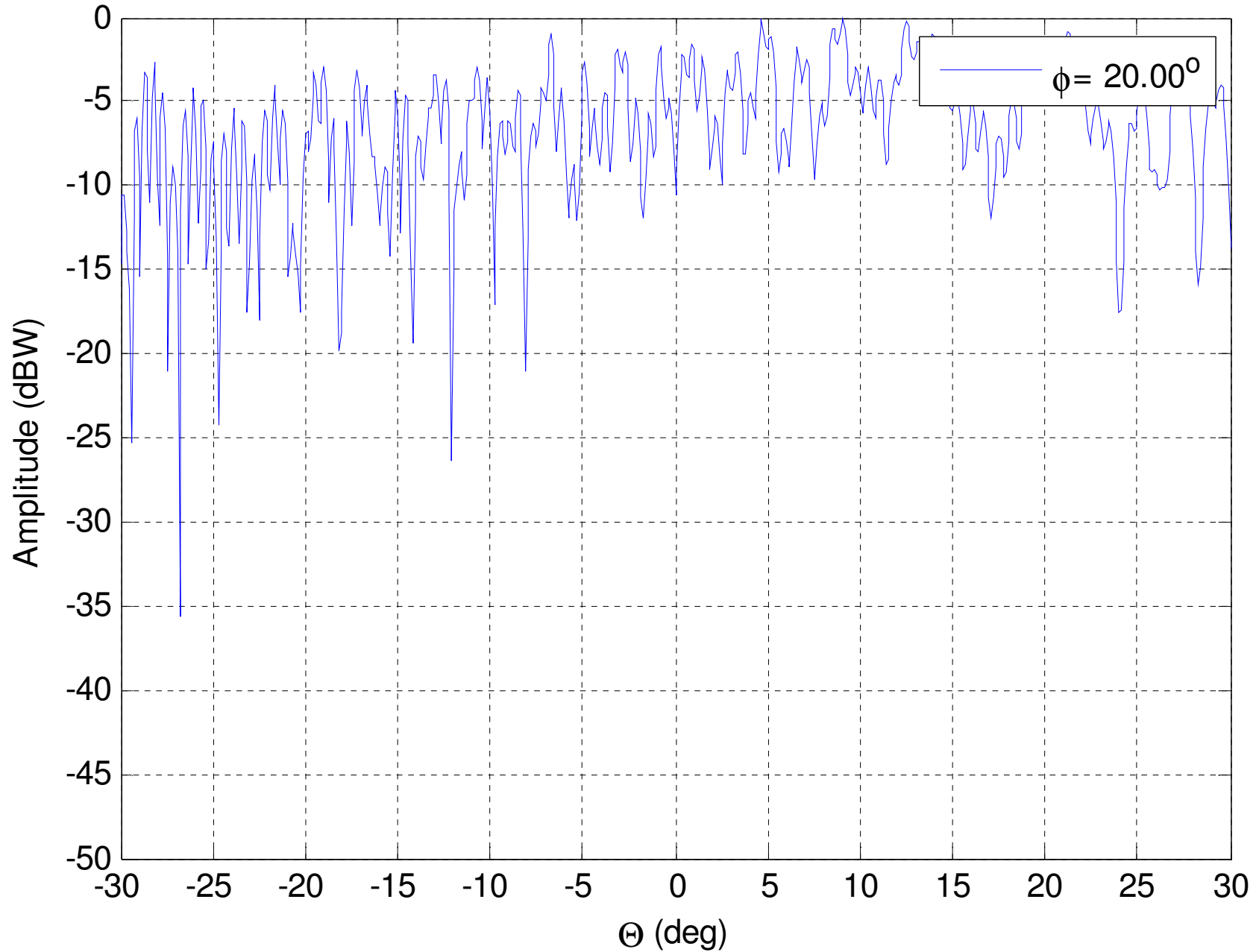
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-10.cut, Peak: -1.38 dBW, Date: 09-Mar-2012



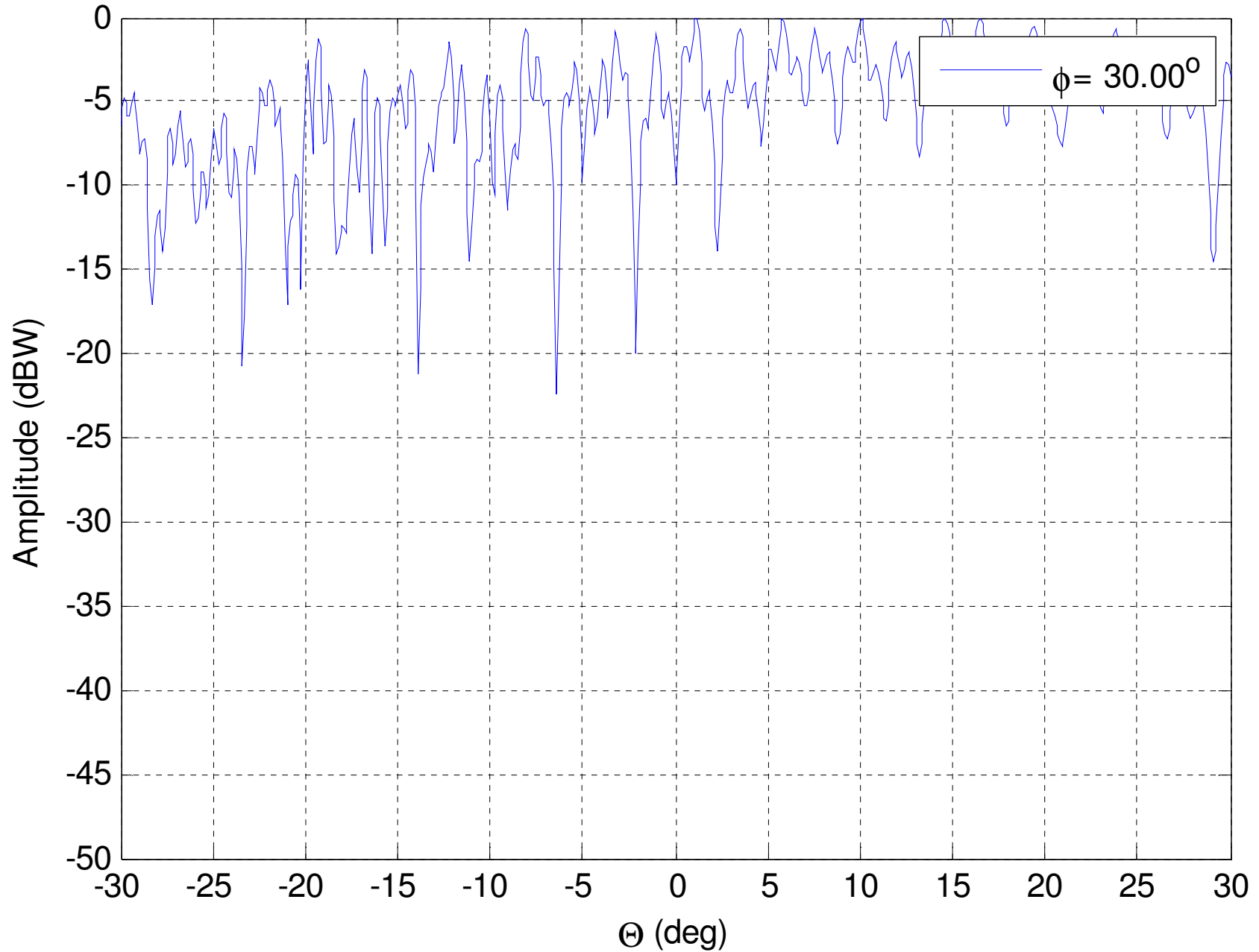
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-20.cut, Peak: -1.47 dBW, Date: 09-Mar-2012



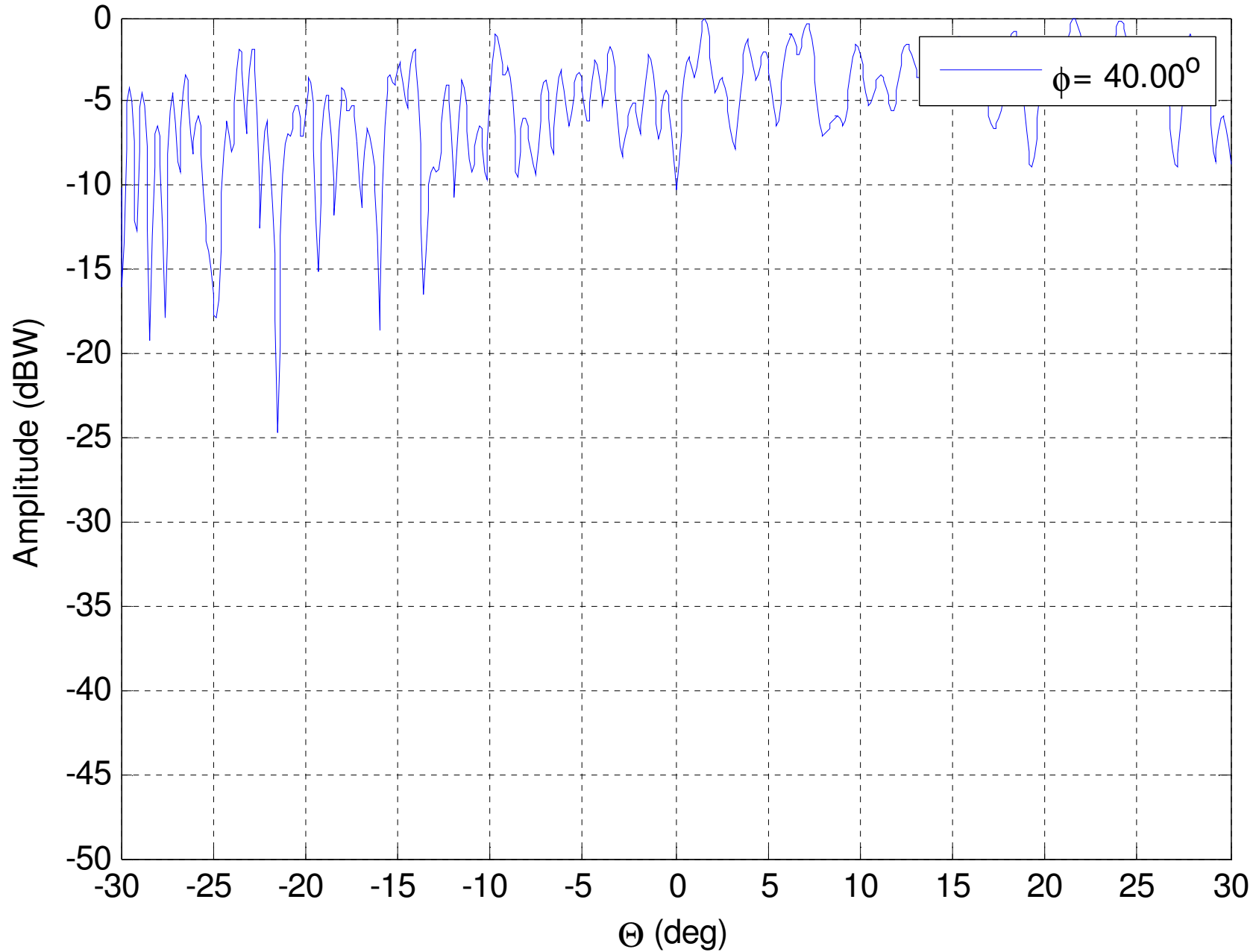
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-30.cut, Peak: -2.14 dBW, Date: 09-Mar-2012



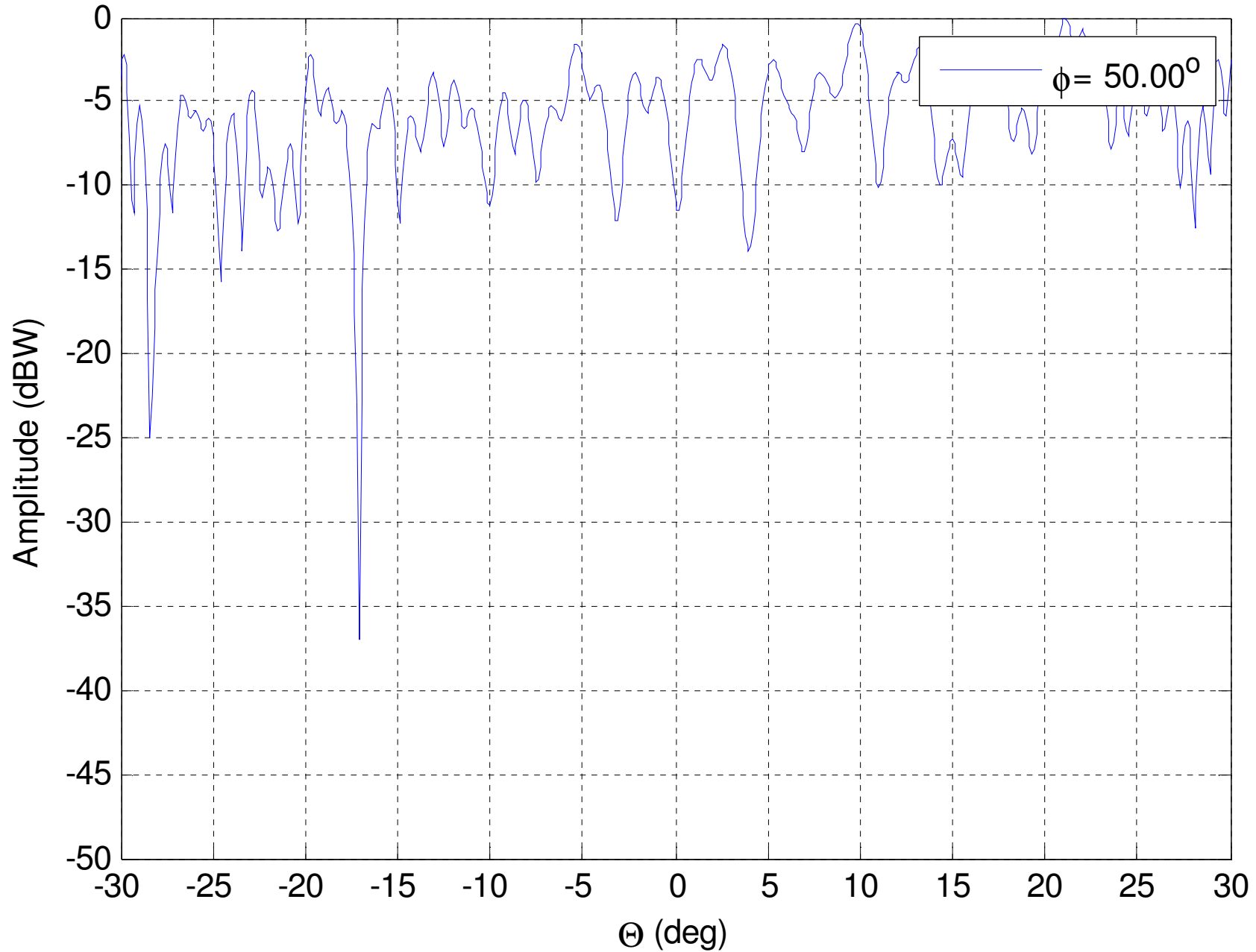
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-40.cut, Peak: -2.03 dBW, Date: 09-Mar-2012



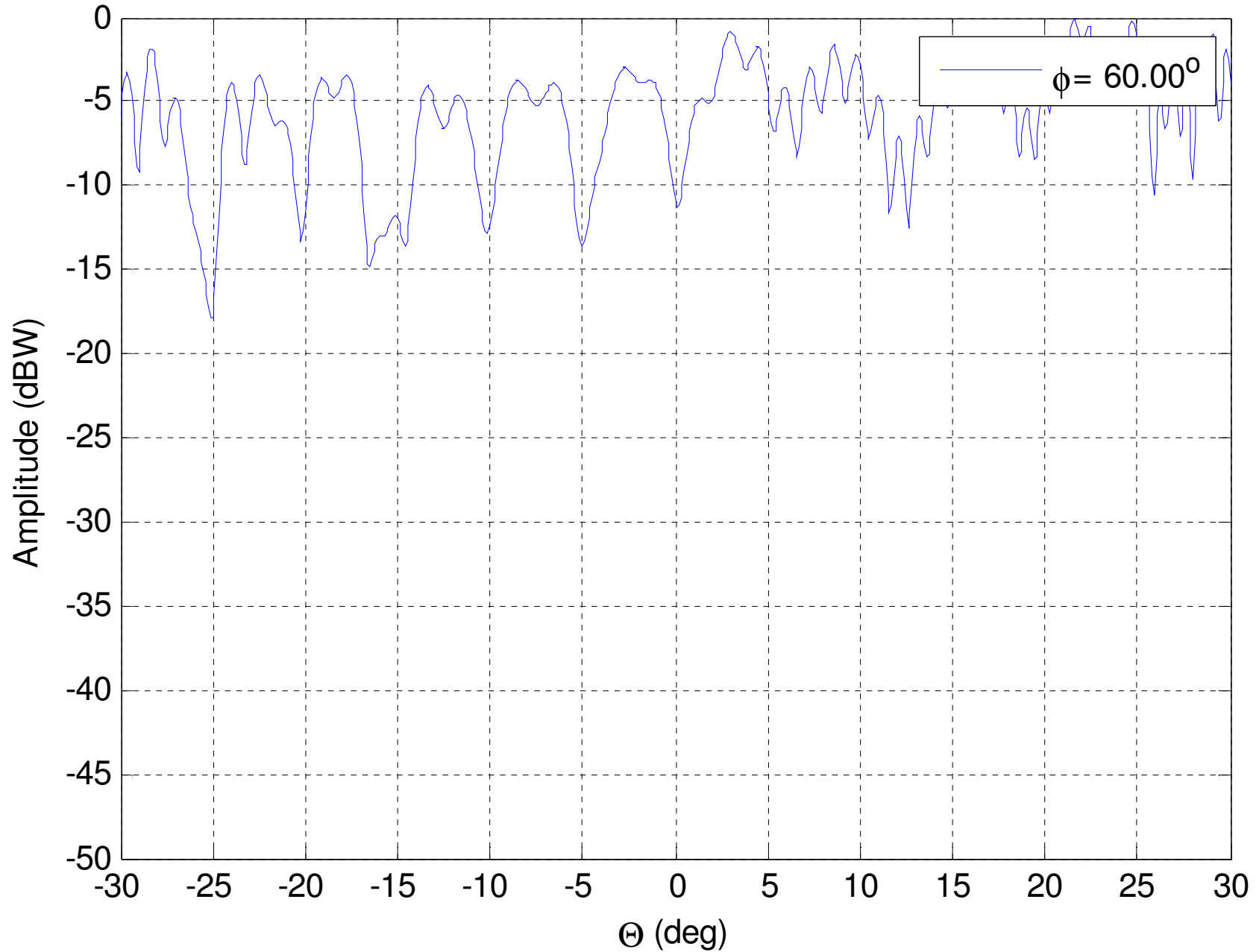
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-50.cut, Peak: -1.14 dBW, Date: 09-Mar-2012



Normalized pattern cuts - farfield

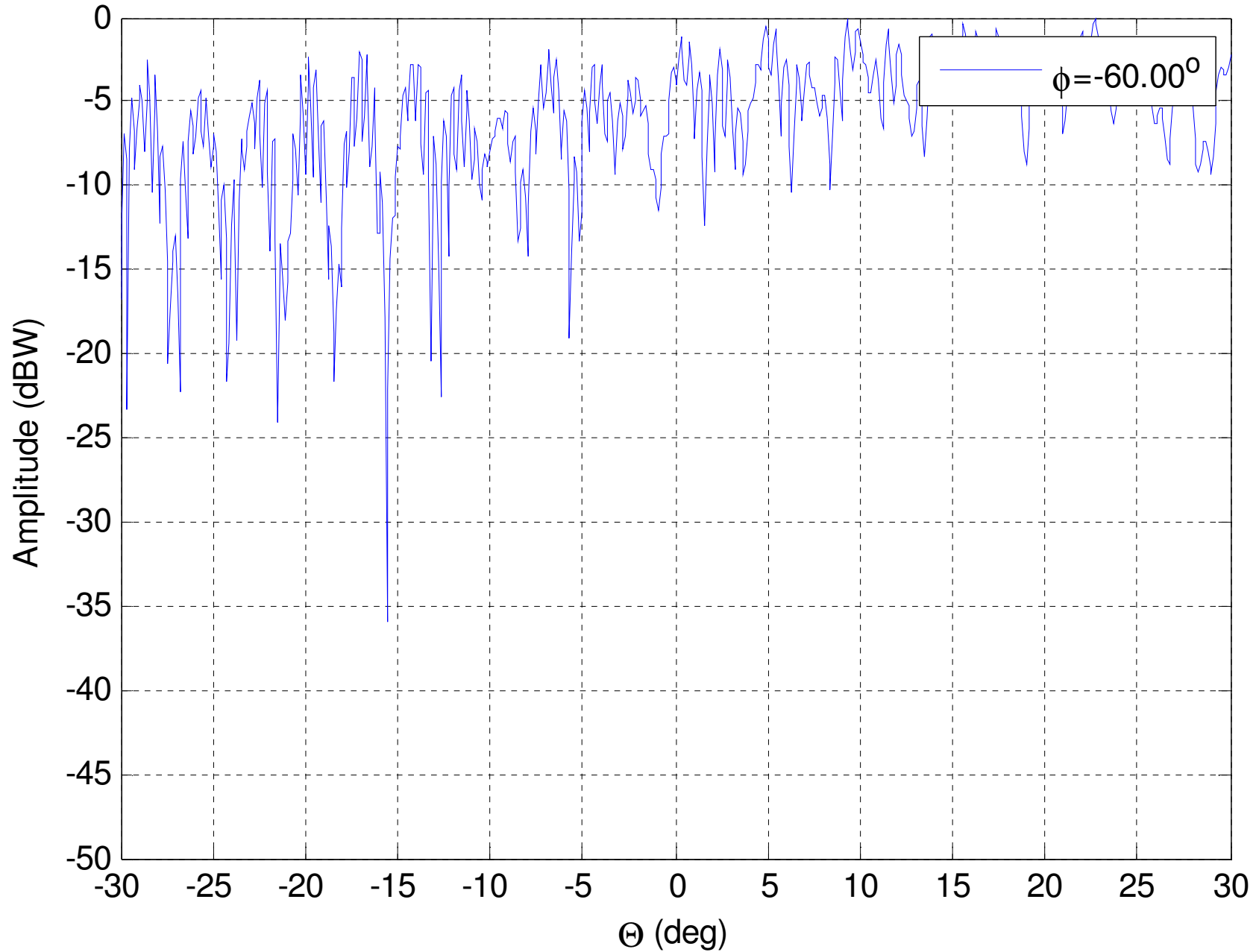
Input file: tx-17.3-lhcp-60.cut, Peak: -1.14 dBW, Date: 09-Mar-2012



RHCP at 17.5 GHz

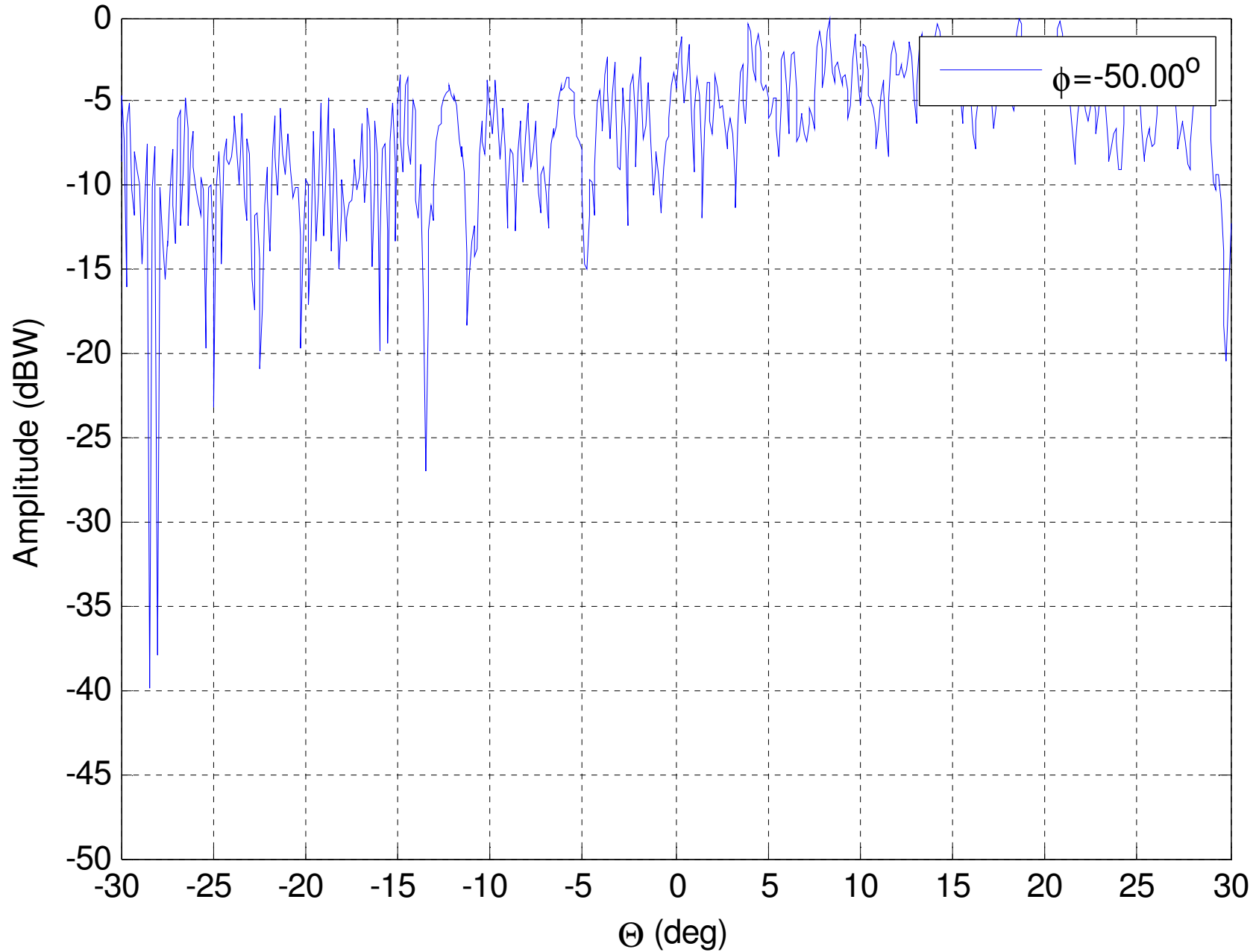
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--60.cut, Peak: -1.54 dBW, Date: 09-Mar-2012



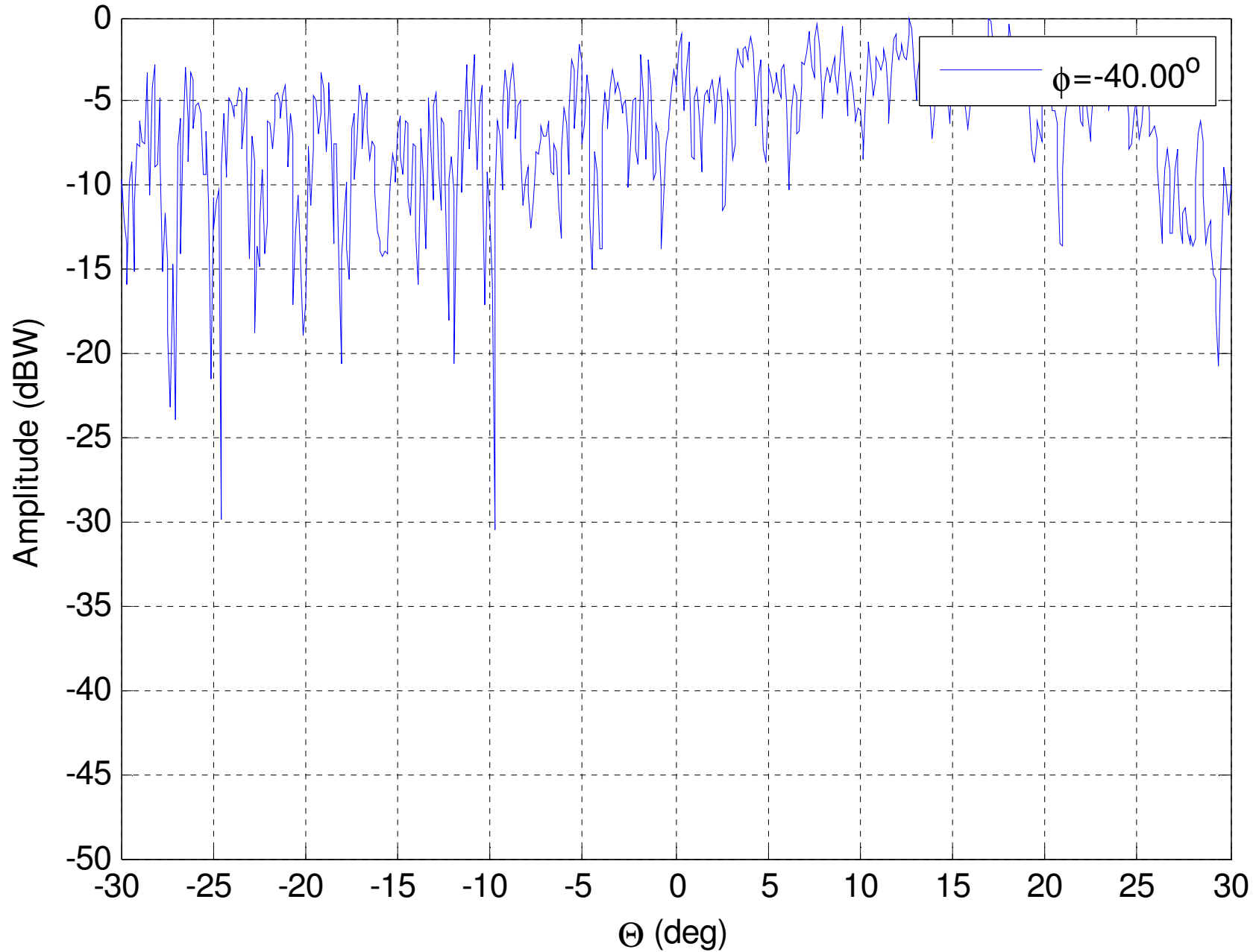
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--50.cut, Peak: -1.30 dBW, Date: 09-Mar-2012



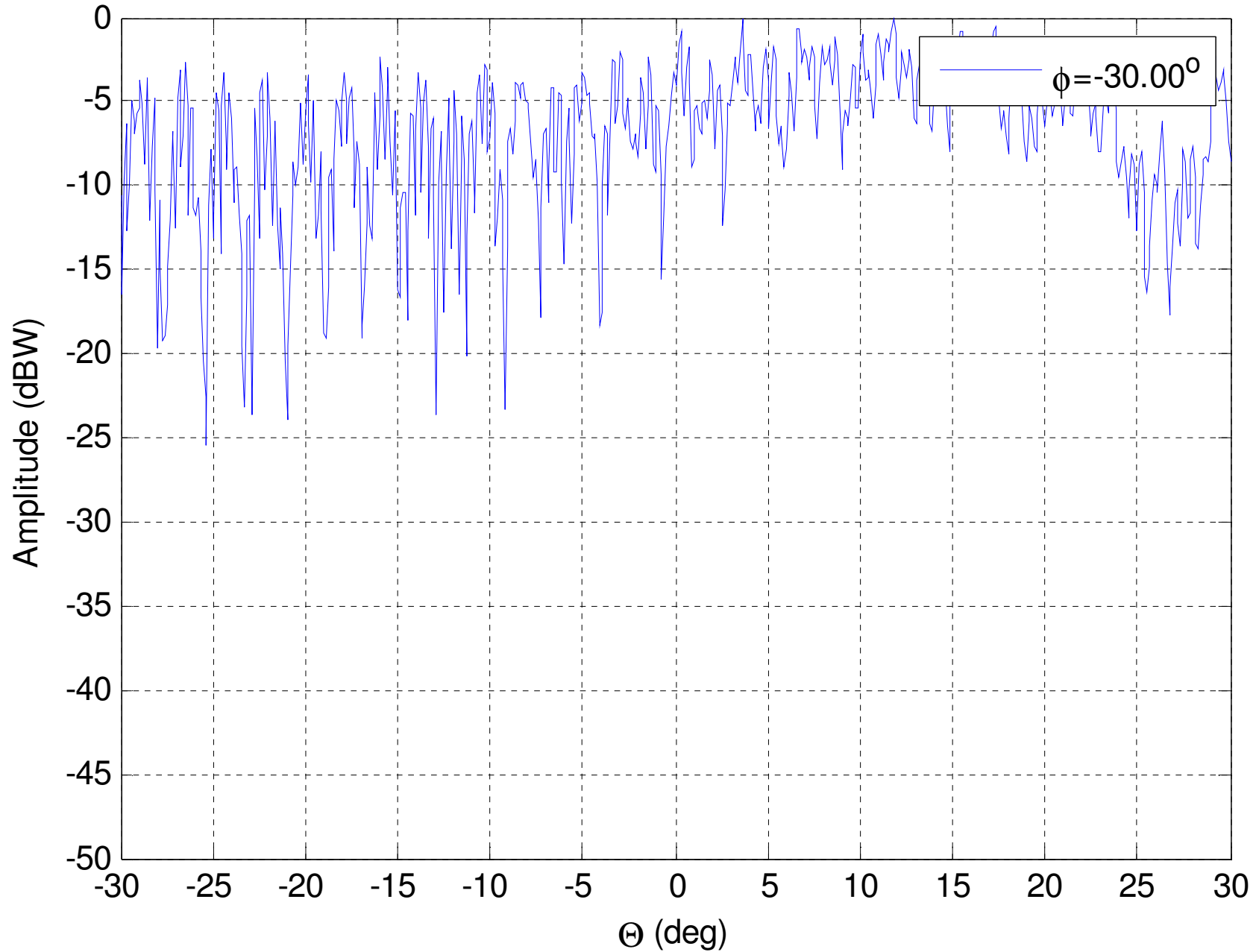
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--40.cut, Peak: -1.45 dBW, Date: 09-Mar-2012



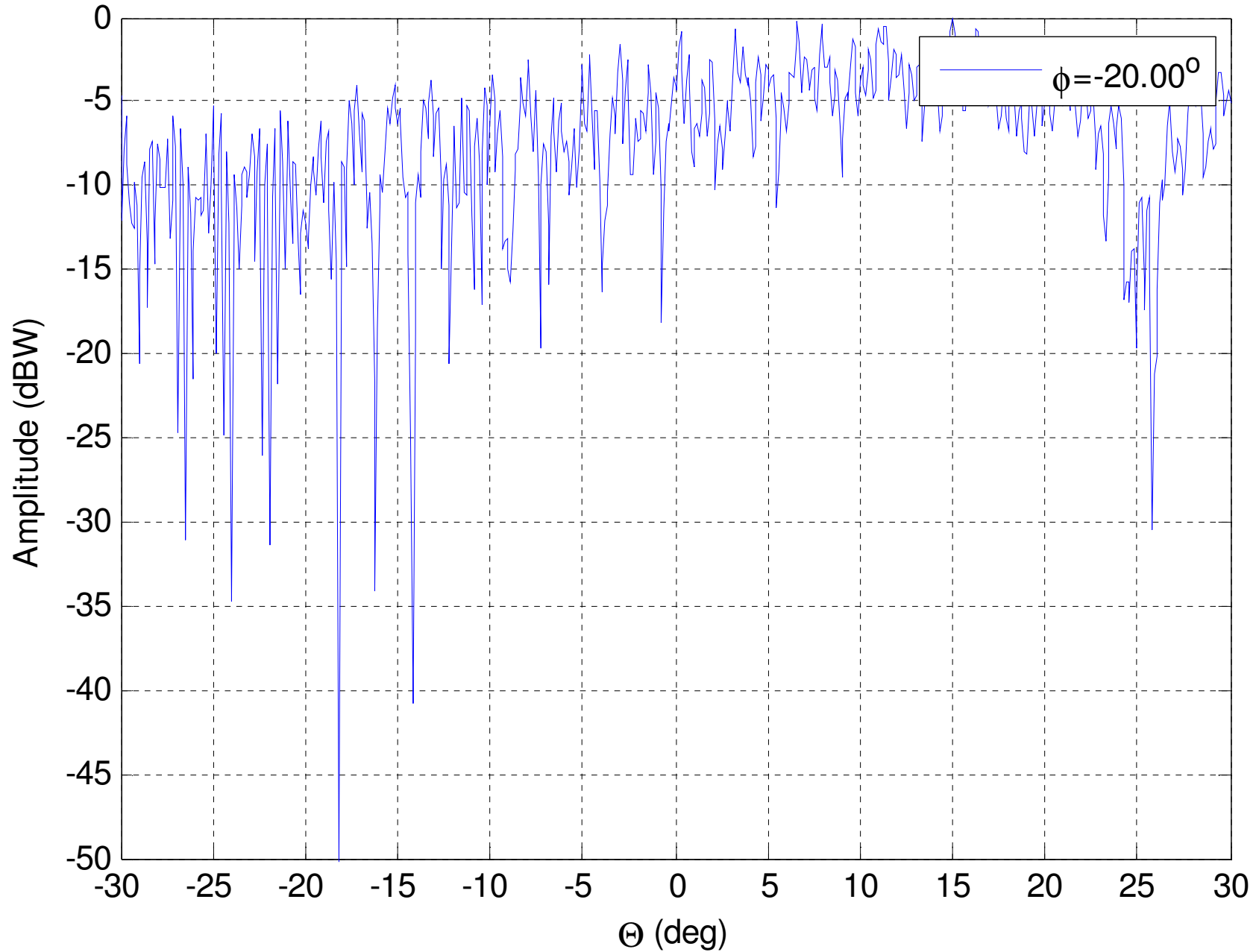
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--30.cut, Peak: -1.41 dBW, Date: 09-Mar-2012



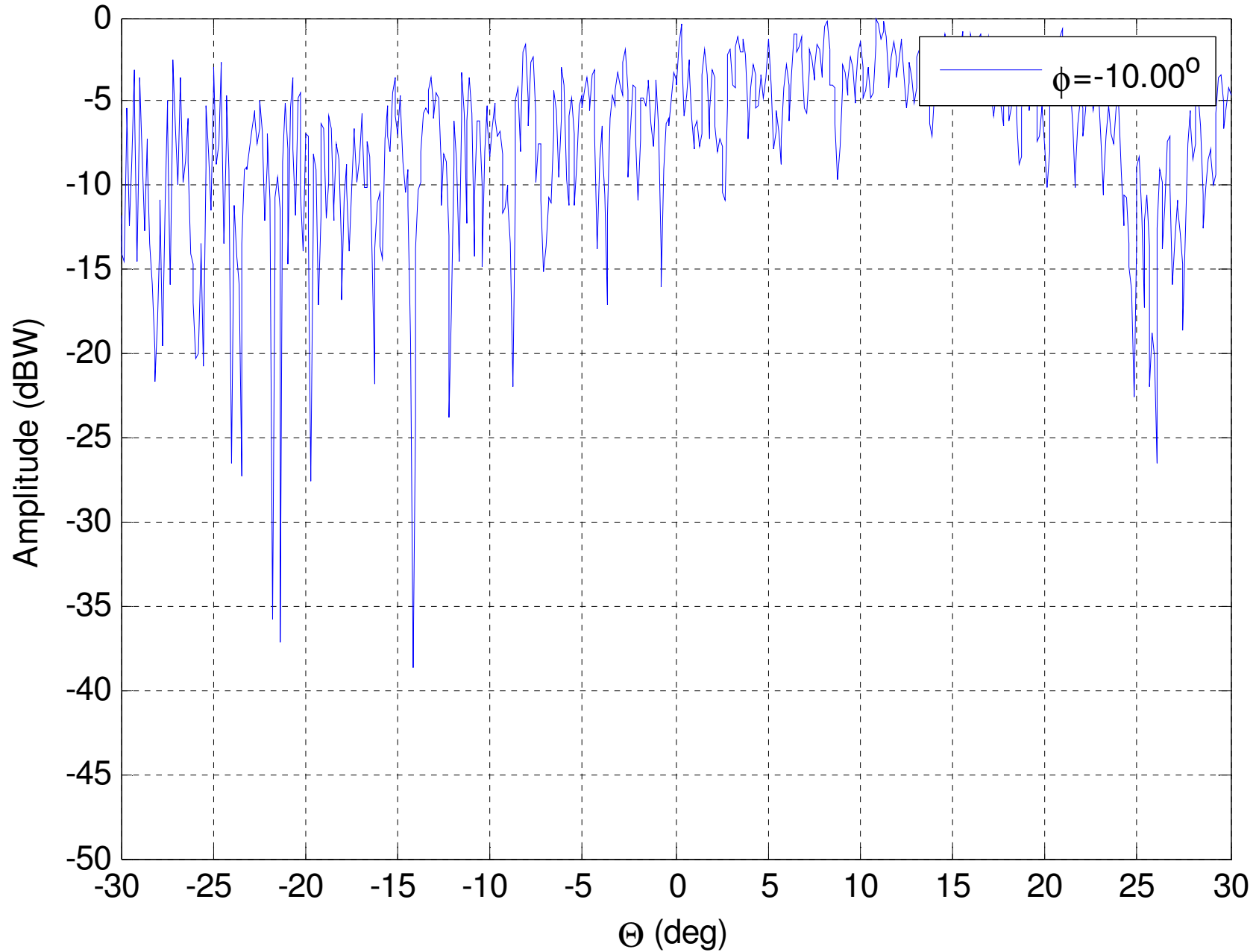
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--20.cut, Peak: -1.28 dBW, Date: 09-Mar-2012



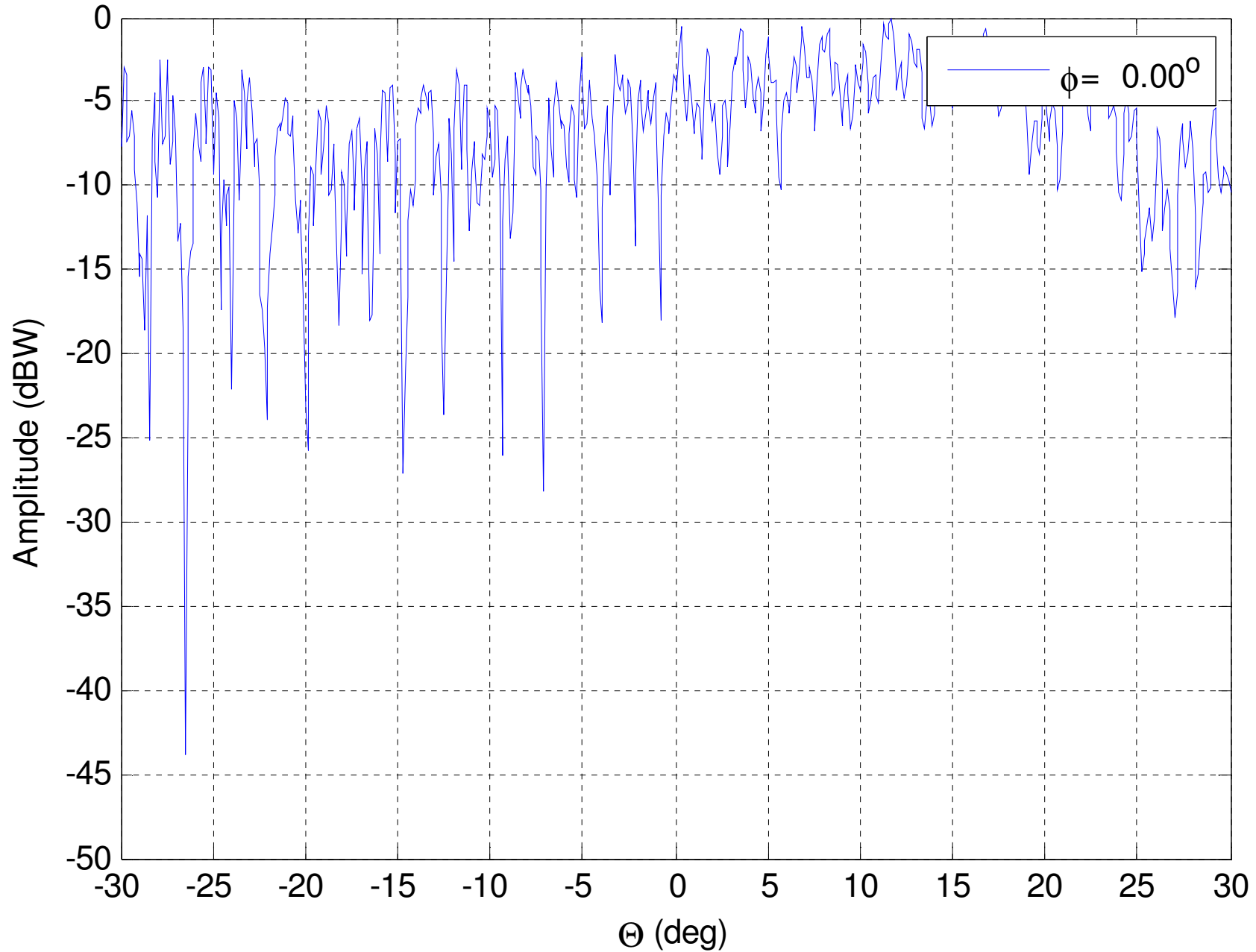
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--10.cut, Peak: -1.63 dBW, Date: 09-Mar-2012



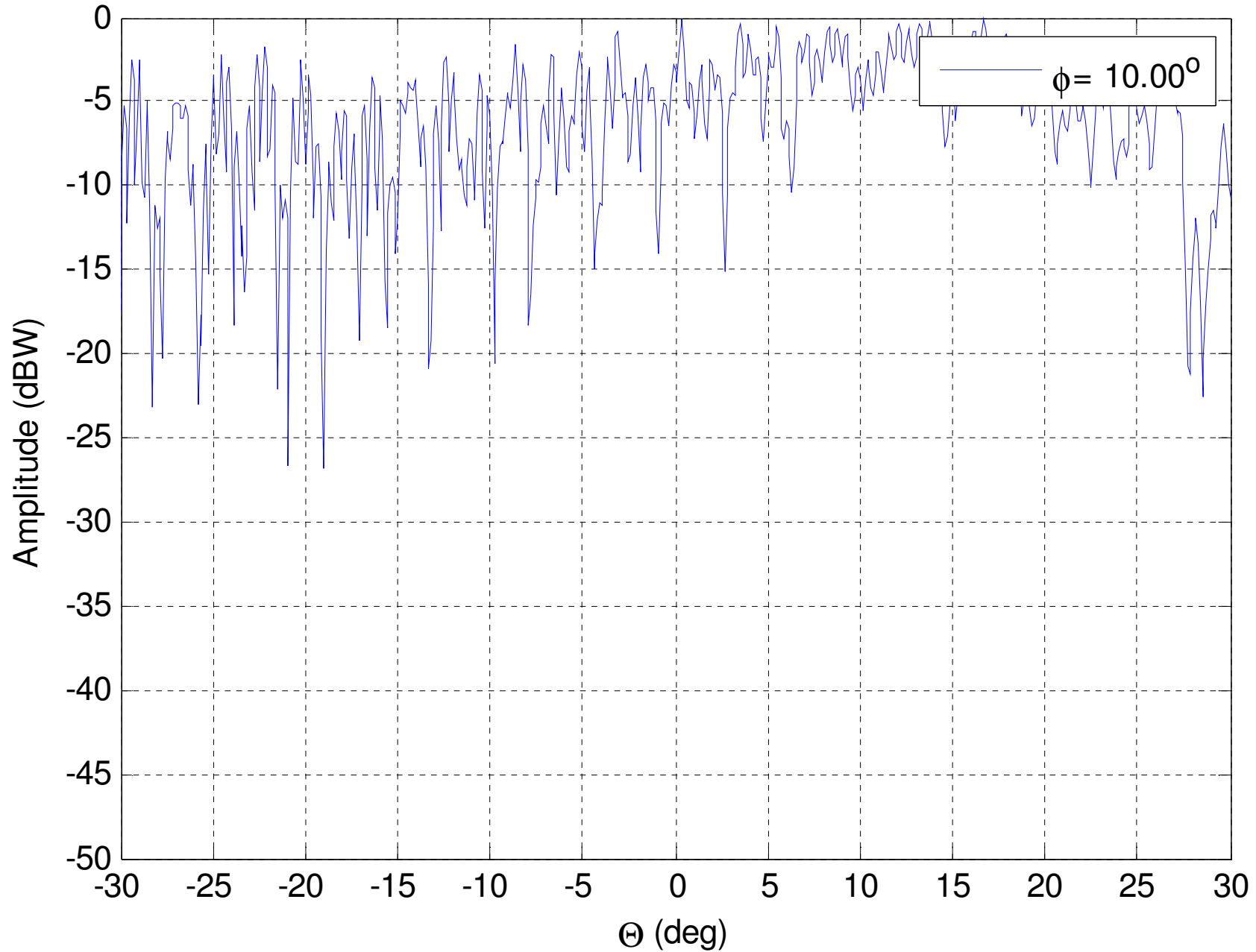
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-0.cut, Peak: -1.51 dBW, Date: 09-Mar-2012



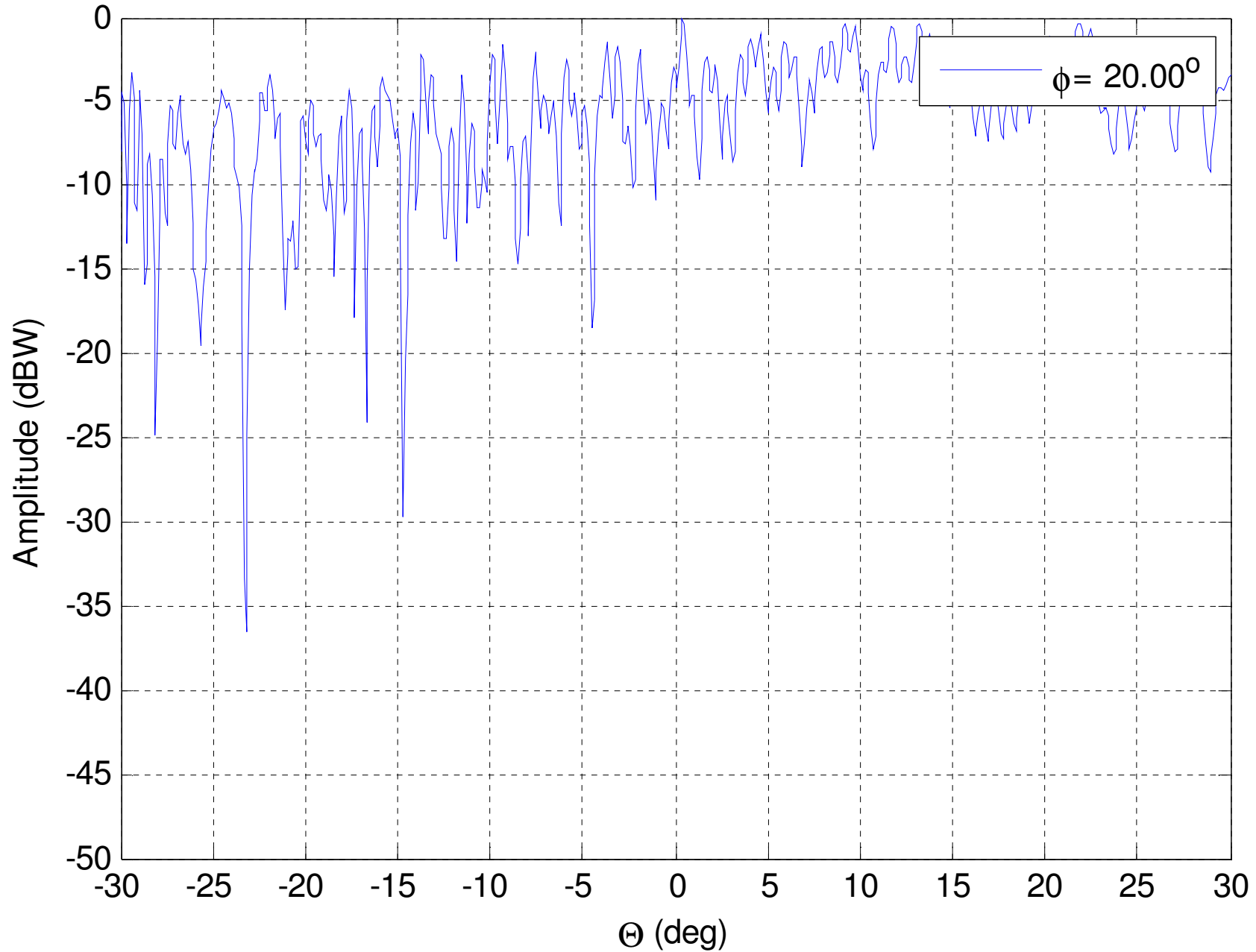
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-10.cut, Peak: -2.10 dBW, Date: 09-Mar-2012



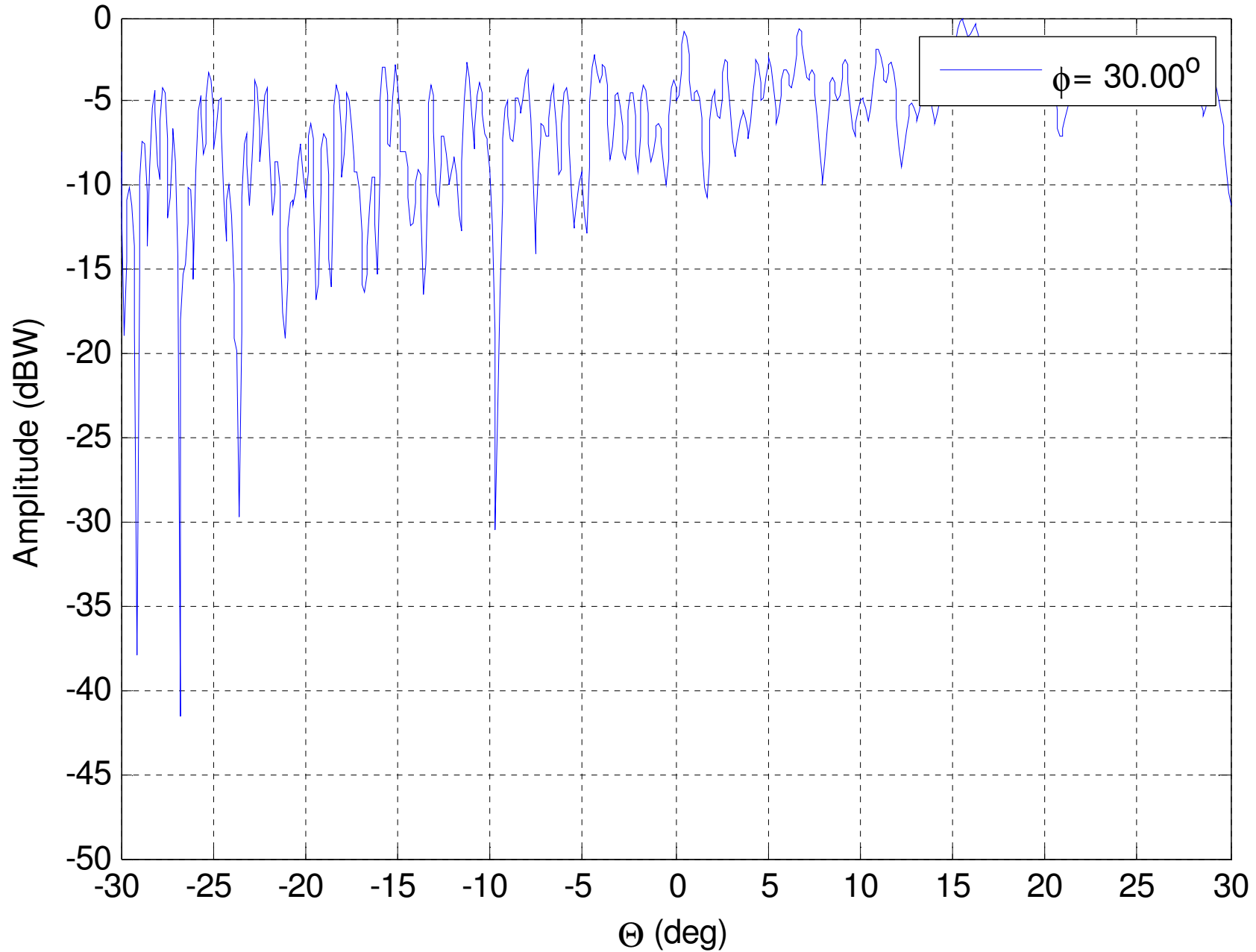
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-20.cut, Peak: -1.99 dBW, Date: 09-Mar-2012



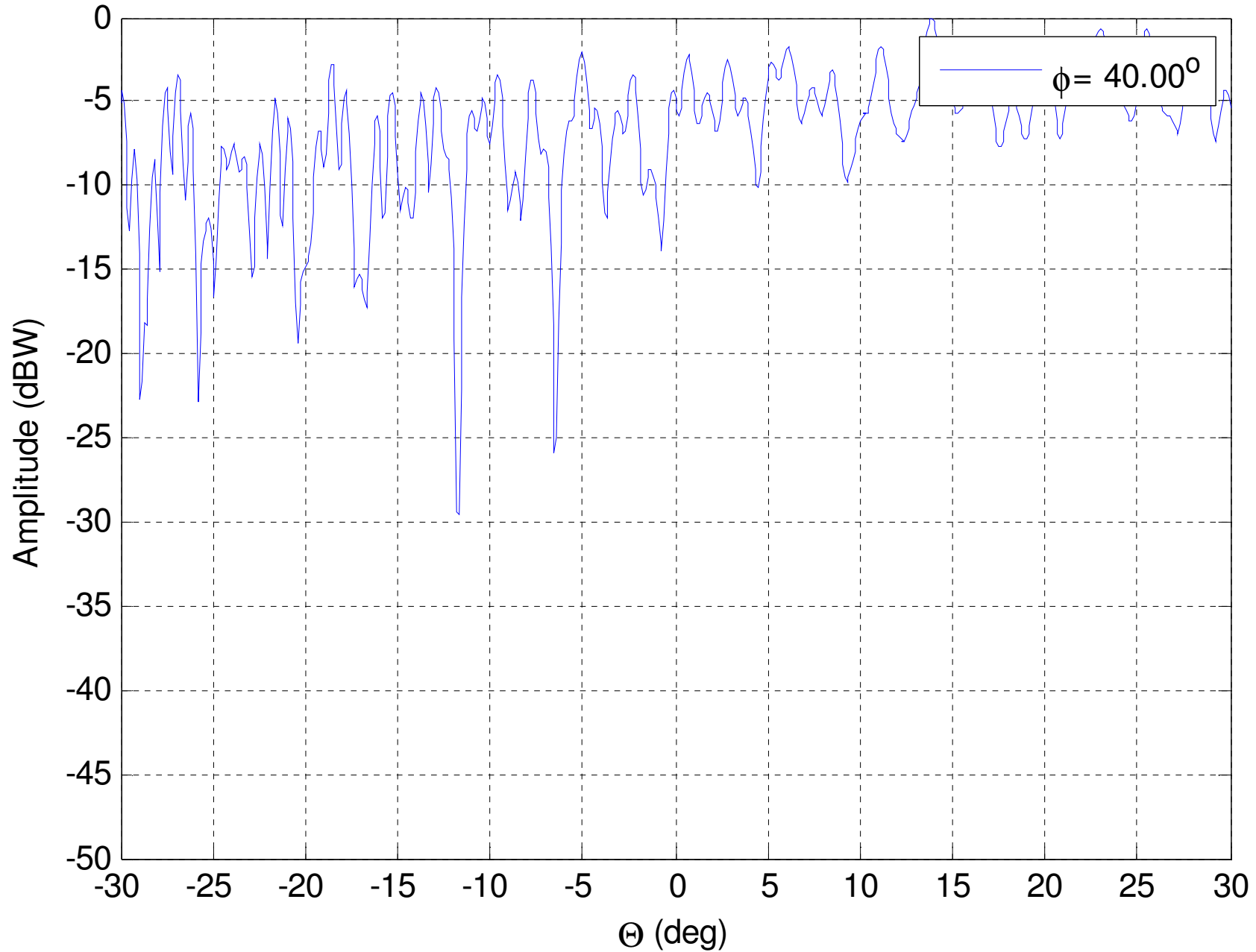
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-30.cut, Peak: -1.29 dBW, Date: 09-Mar-2012



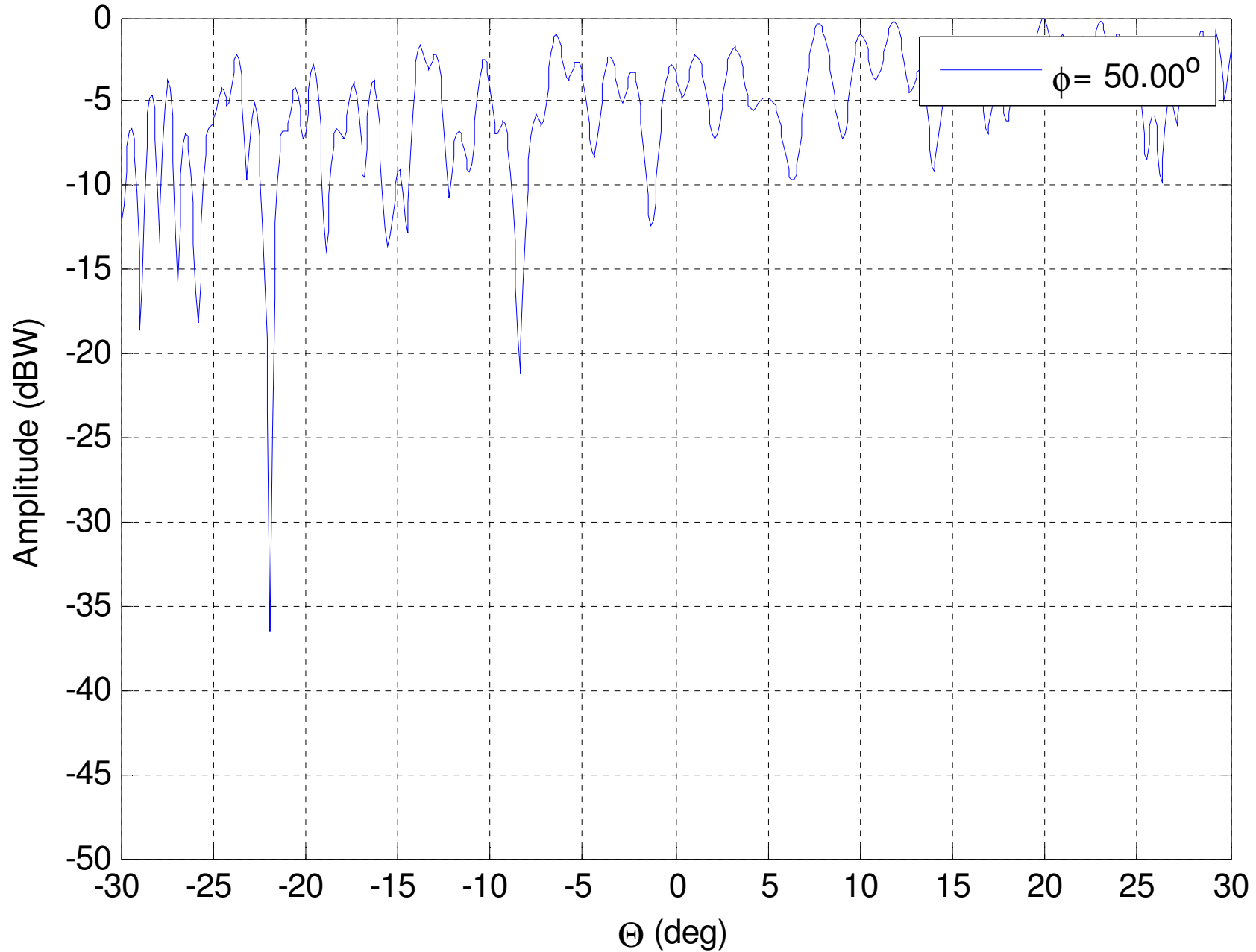
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-40.cut, Peak: -0.62 dBW, Date: 09-Mar-2012



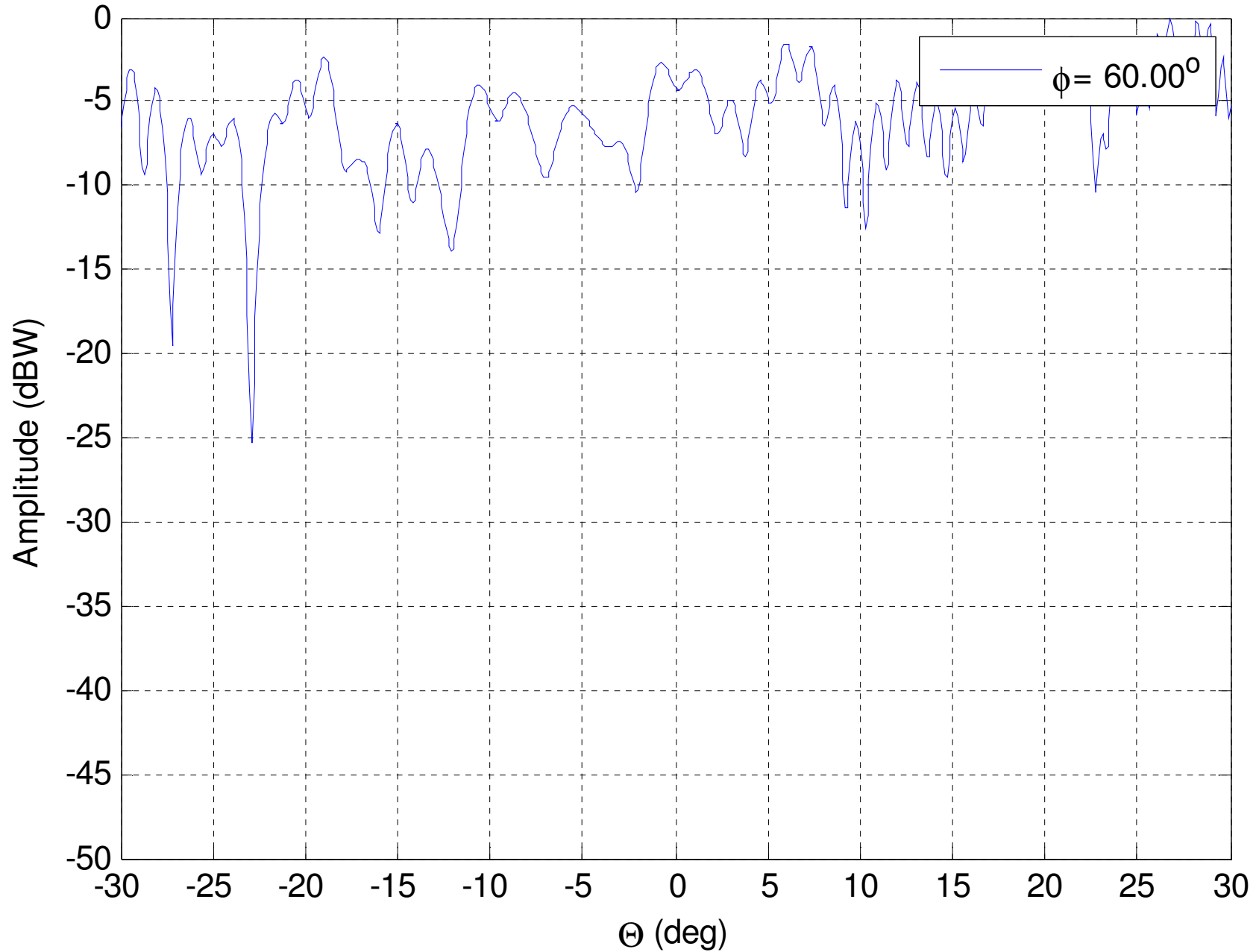
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-50.cut, Peak: -2.13 dBW, Date: 09-Mar-2012



Normalized pattern cuts - farfield

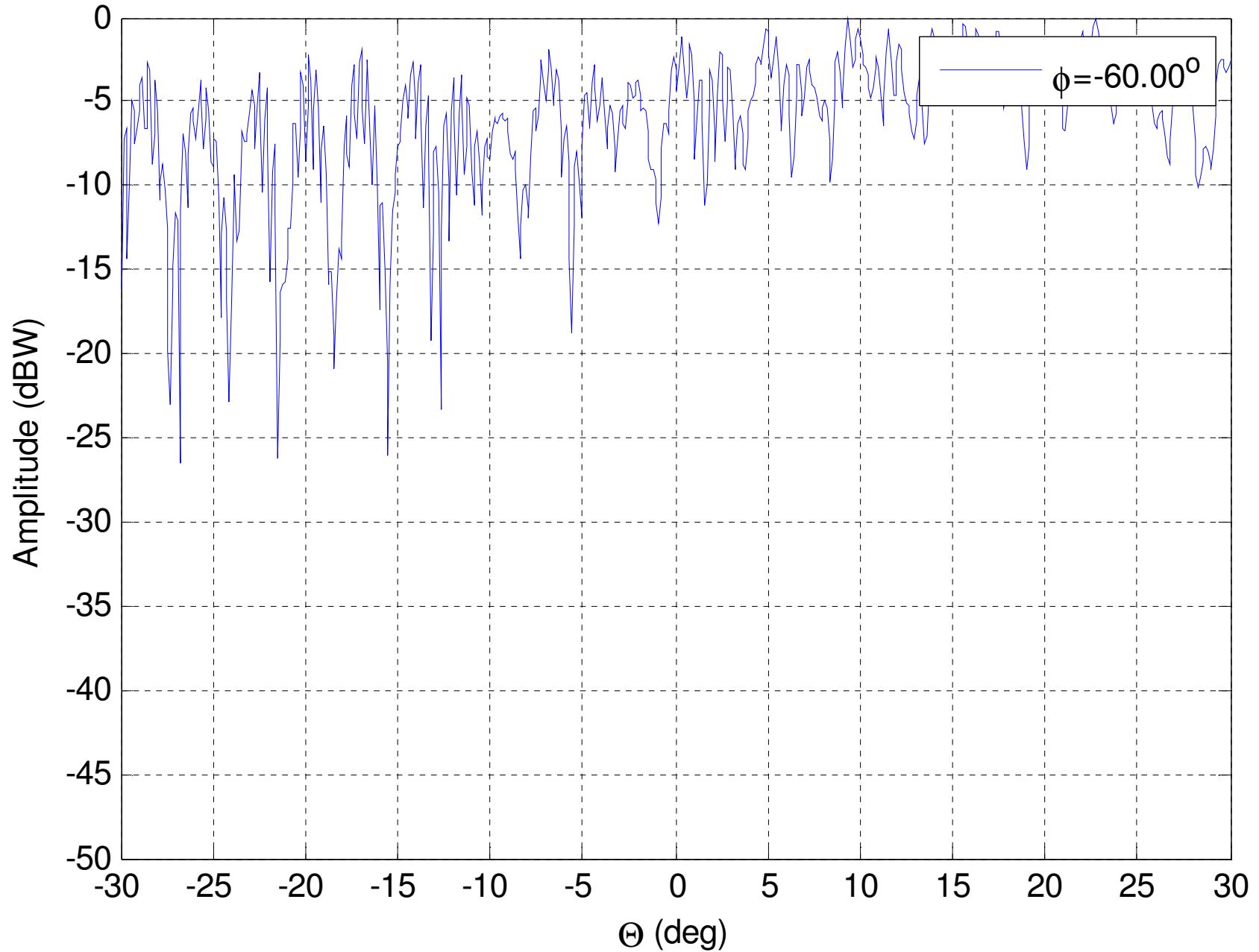
Input file: tx-17.5-rhcp-60.cut, Peak: -1.26 dBW, Date: 09-Mar-2012



LHCP at 17.5 GHz

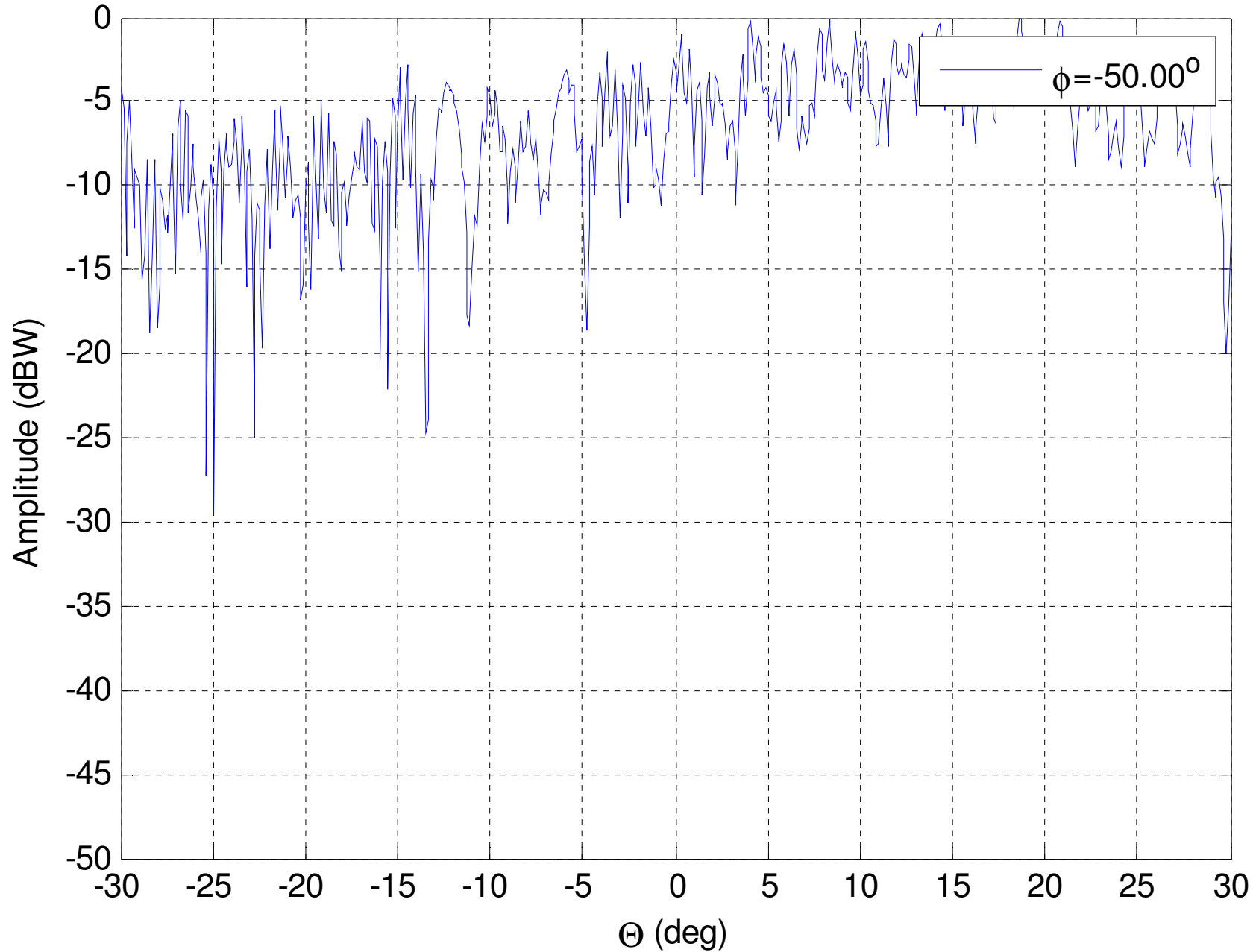
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--60.cut, Peak: -1.56 dBW, Date: 09-Mar-2012



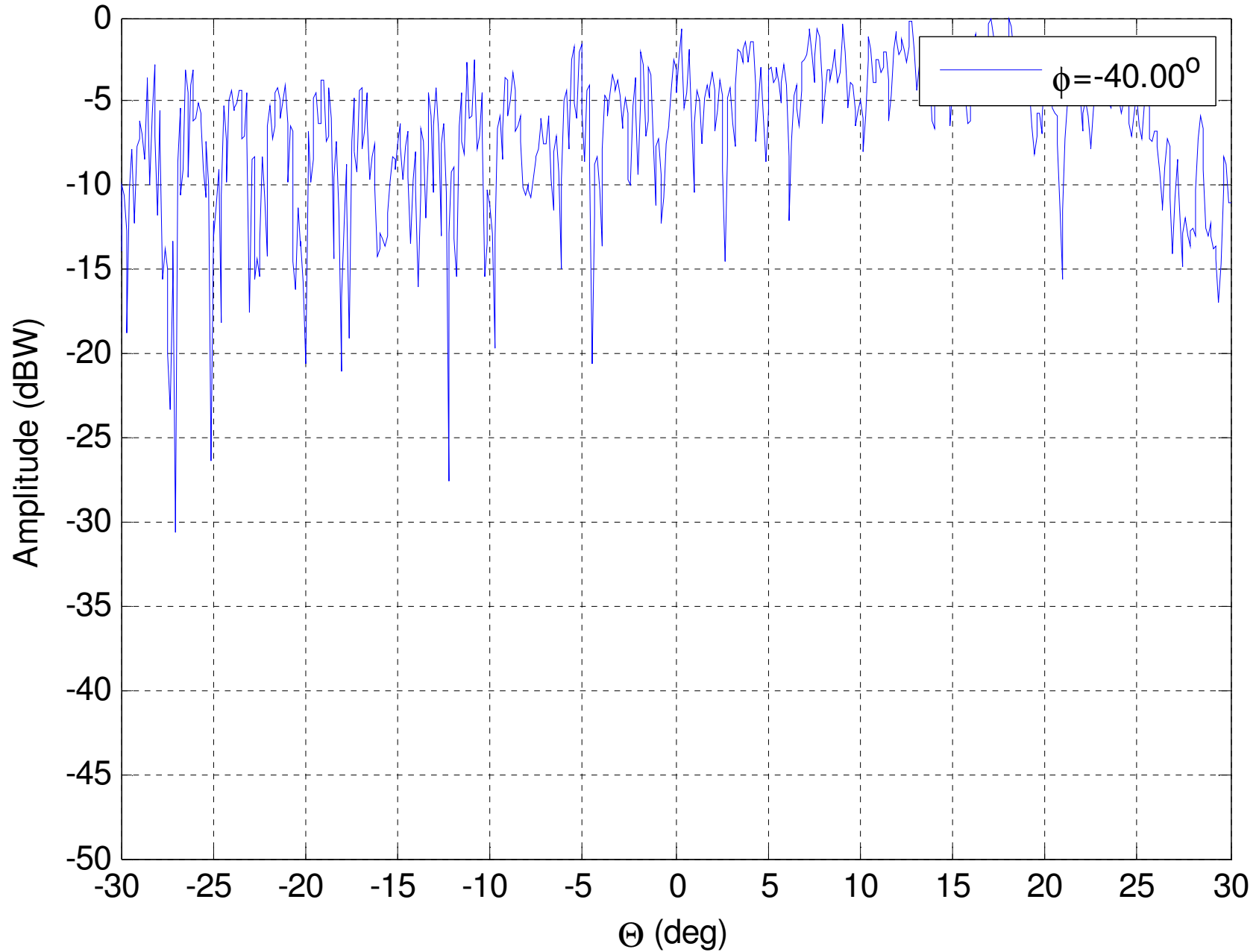
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--50.cut, Peak: -1.40 dBW, Date: 09-Mar-2012



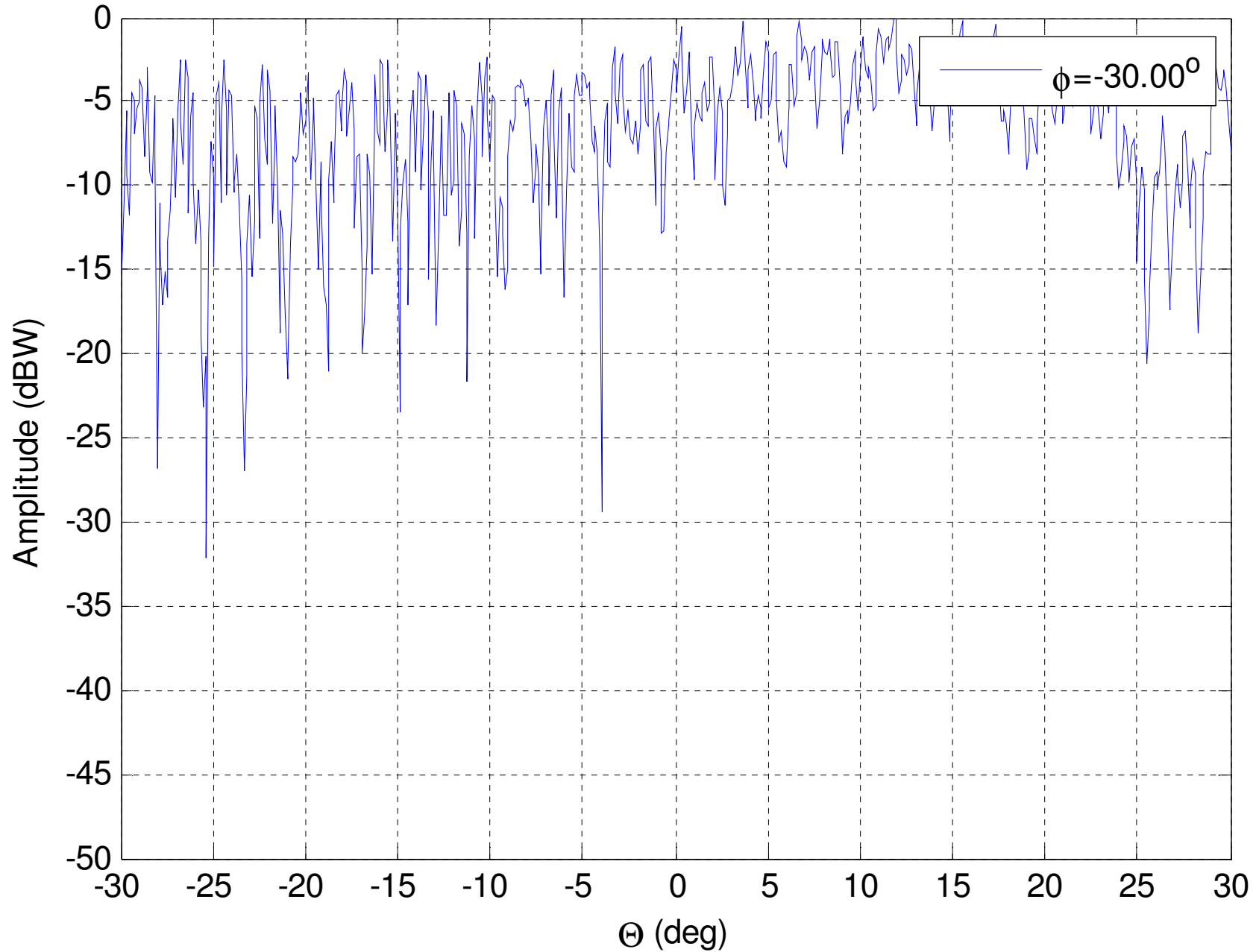
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--40.cut, Peak: -1.53 dBW, Date: 09-Mar-2012



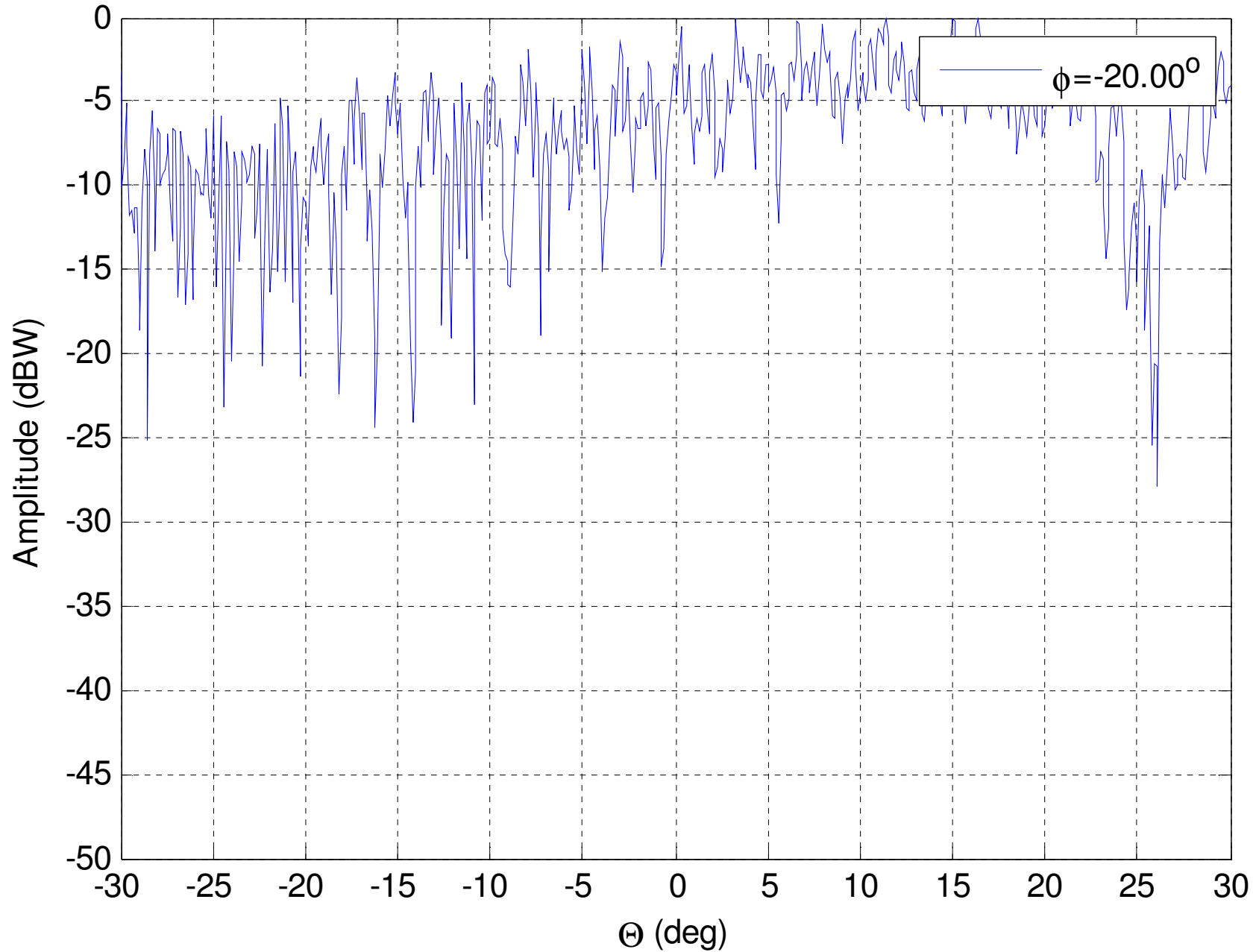
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--30.cut, Peak: -1.66 dBW, Date: 09-Mar-2012



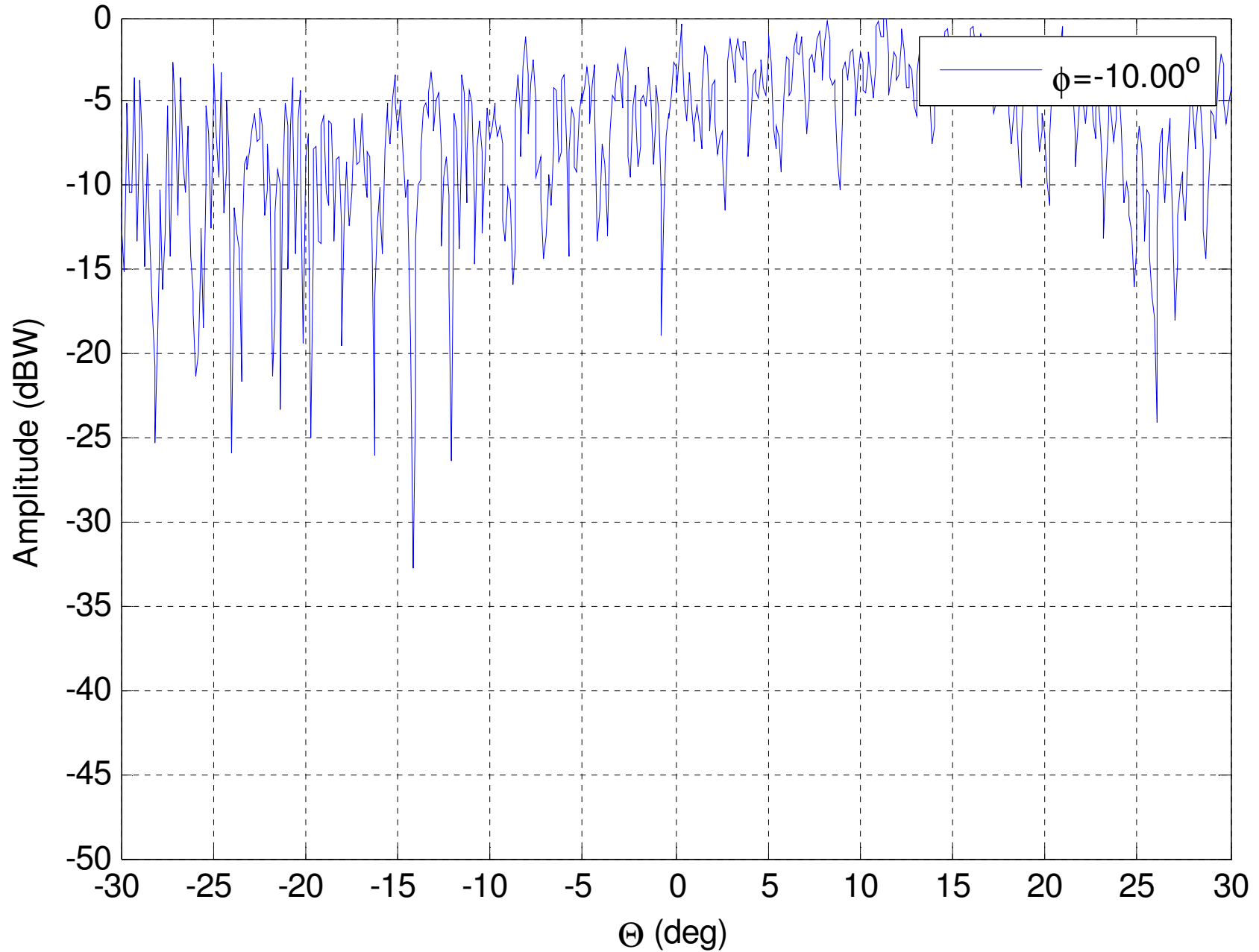
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--20.cut, Peak: -1.51 dBW, Date: 09-Mar-2012



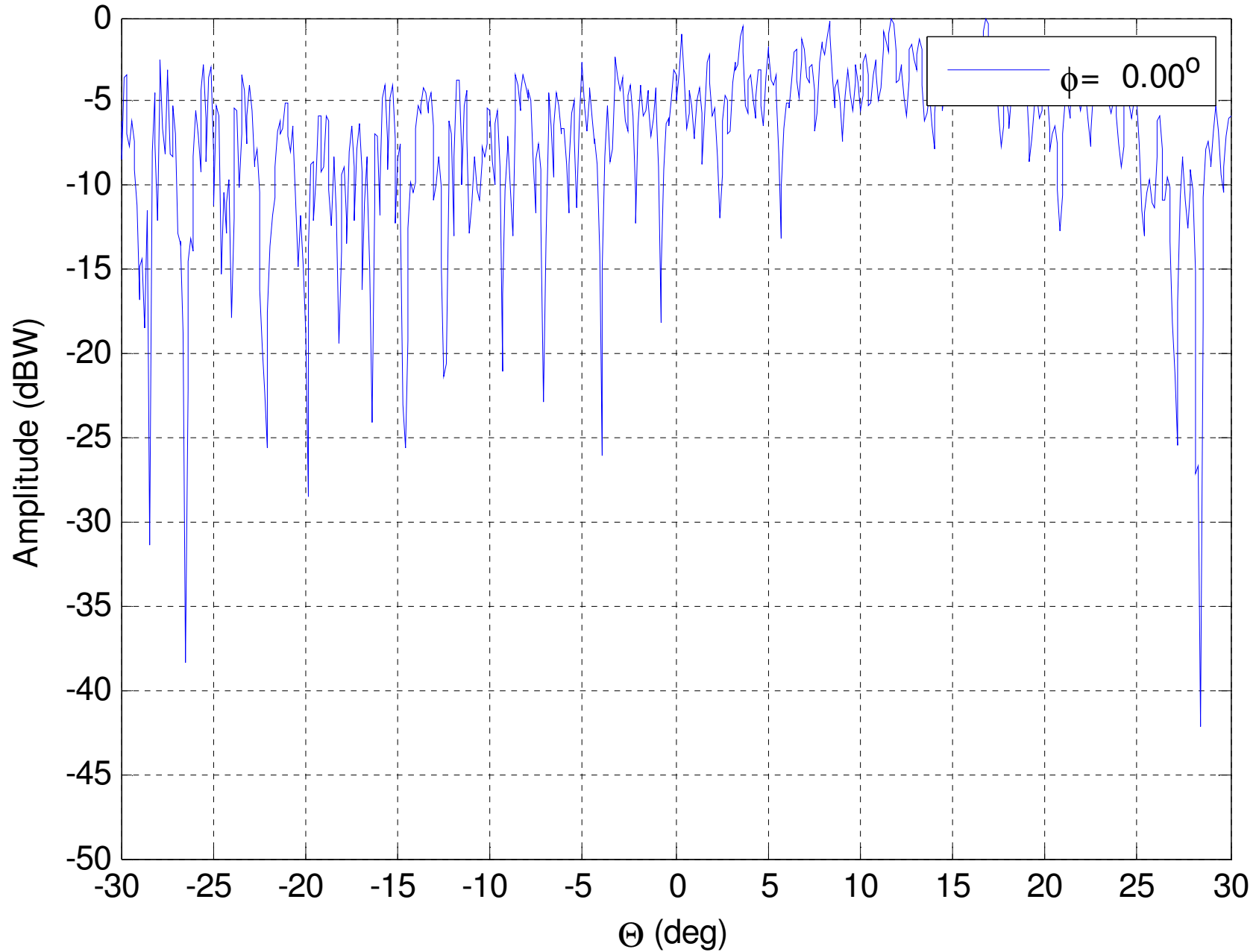
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--10.cut, Peak: -1.68 dBW, Date: 09-Mar-2012



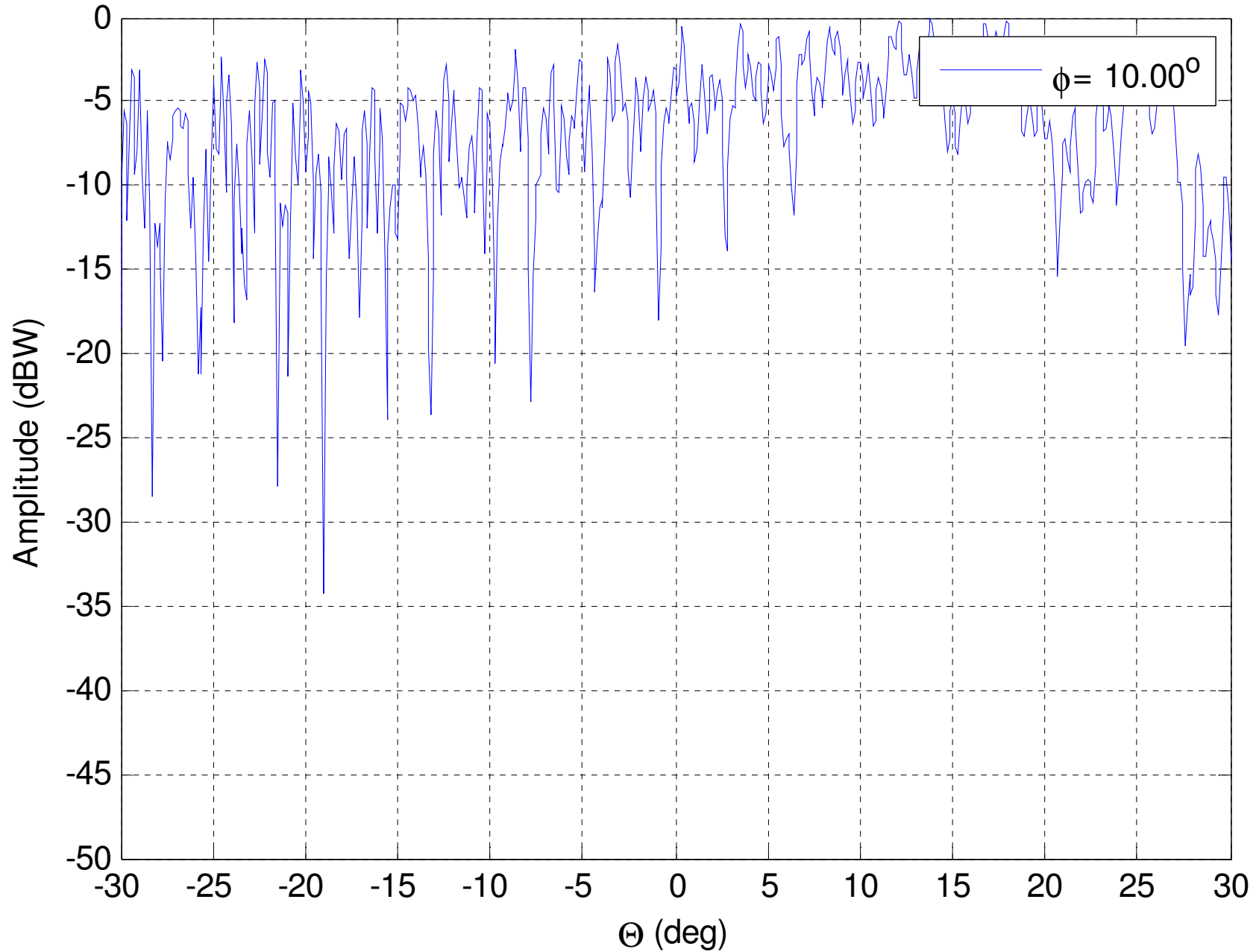
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-0.cut, Peak: -1.33 dBW, Date: 09-Mar-2012



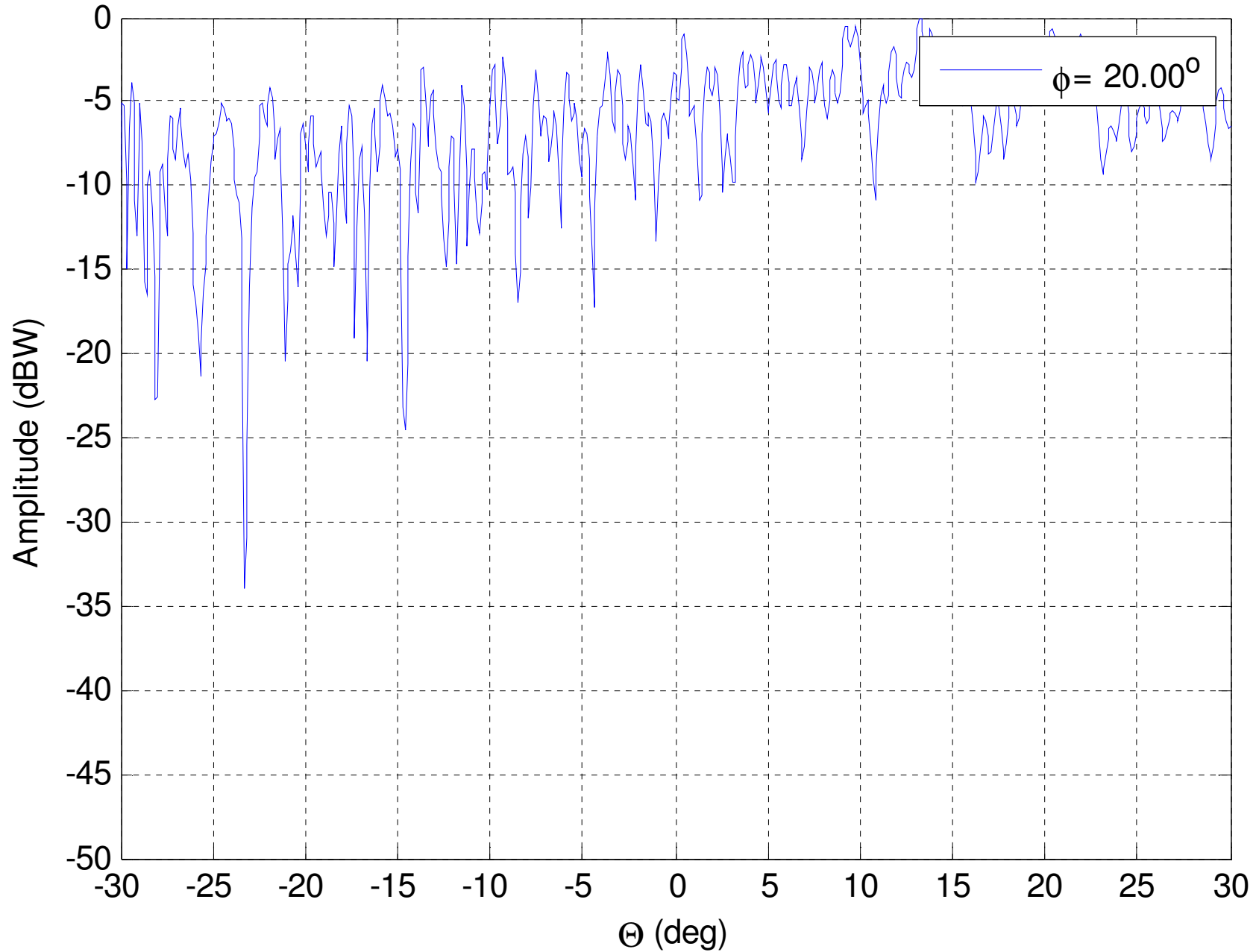
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-10.cut, Peak: -1.54 dBW, Date: 09-Mar-2012



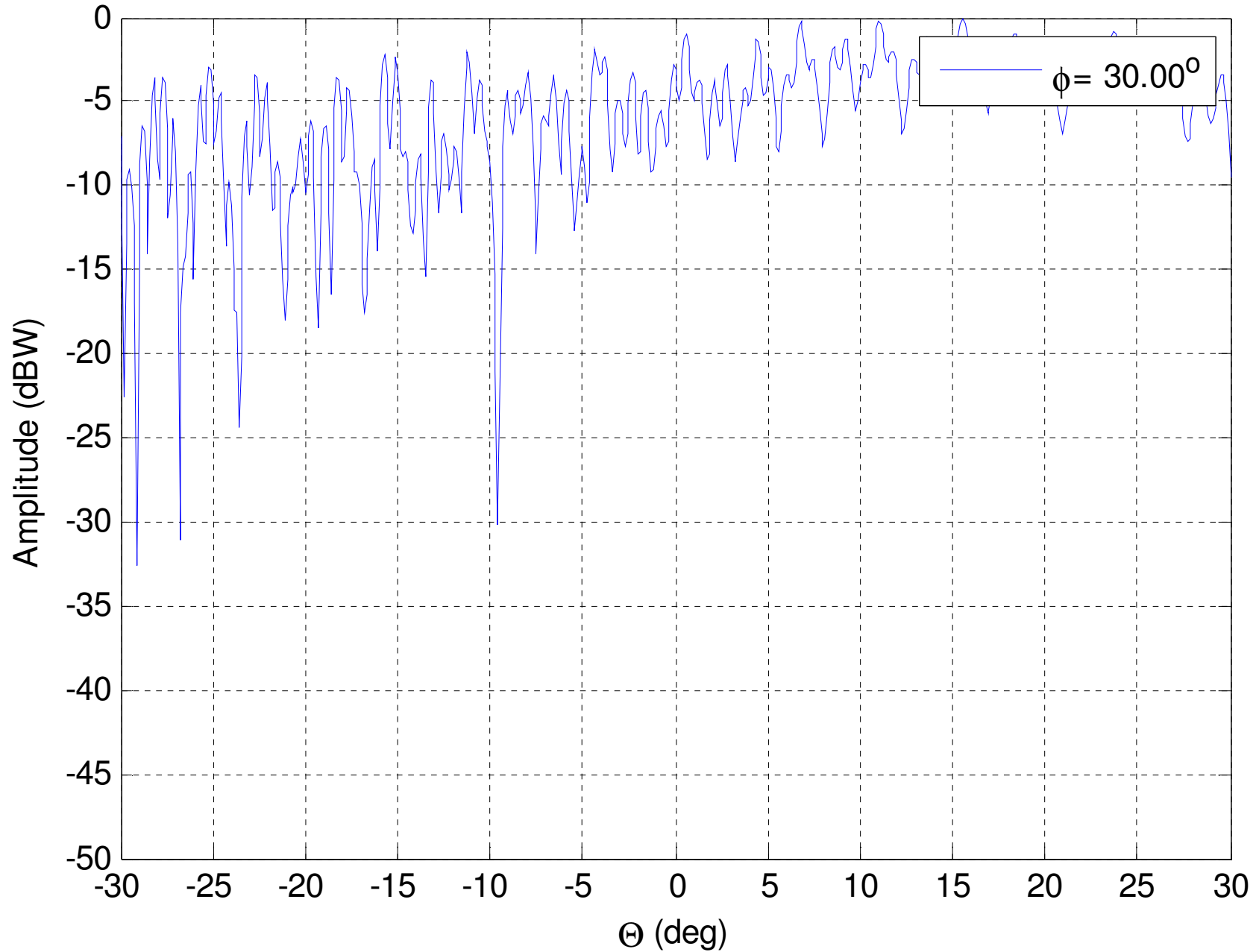
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-20.cut, Peak: -1.24 dBW, Date: 09-Mar-2012



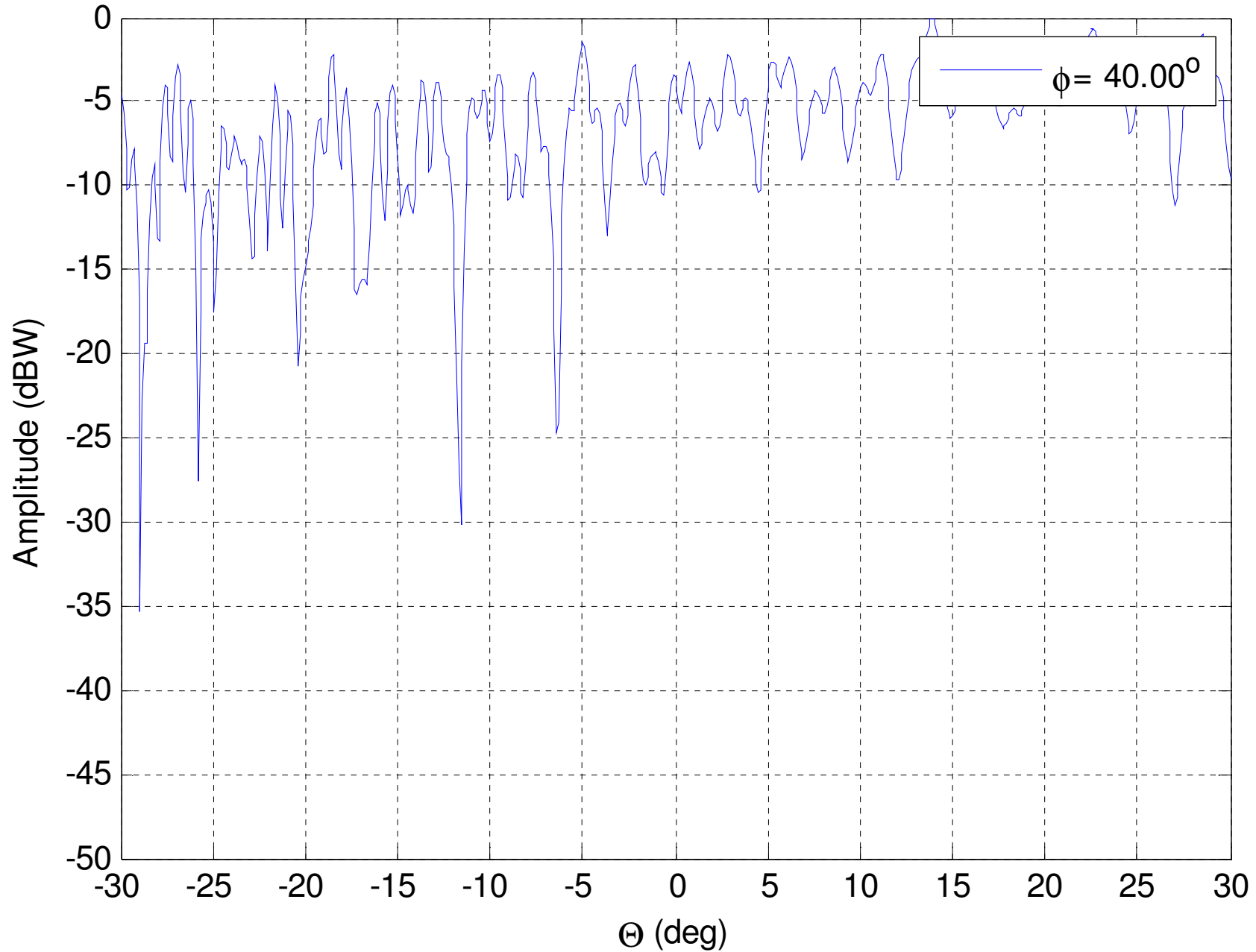
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-30.cut, Peak: -1.63 dBW, Date: 09-Mar-2012



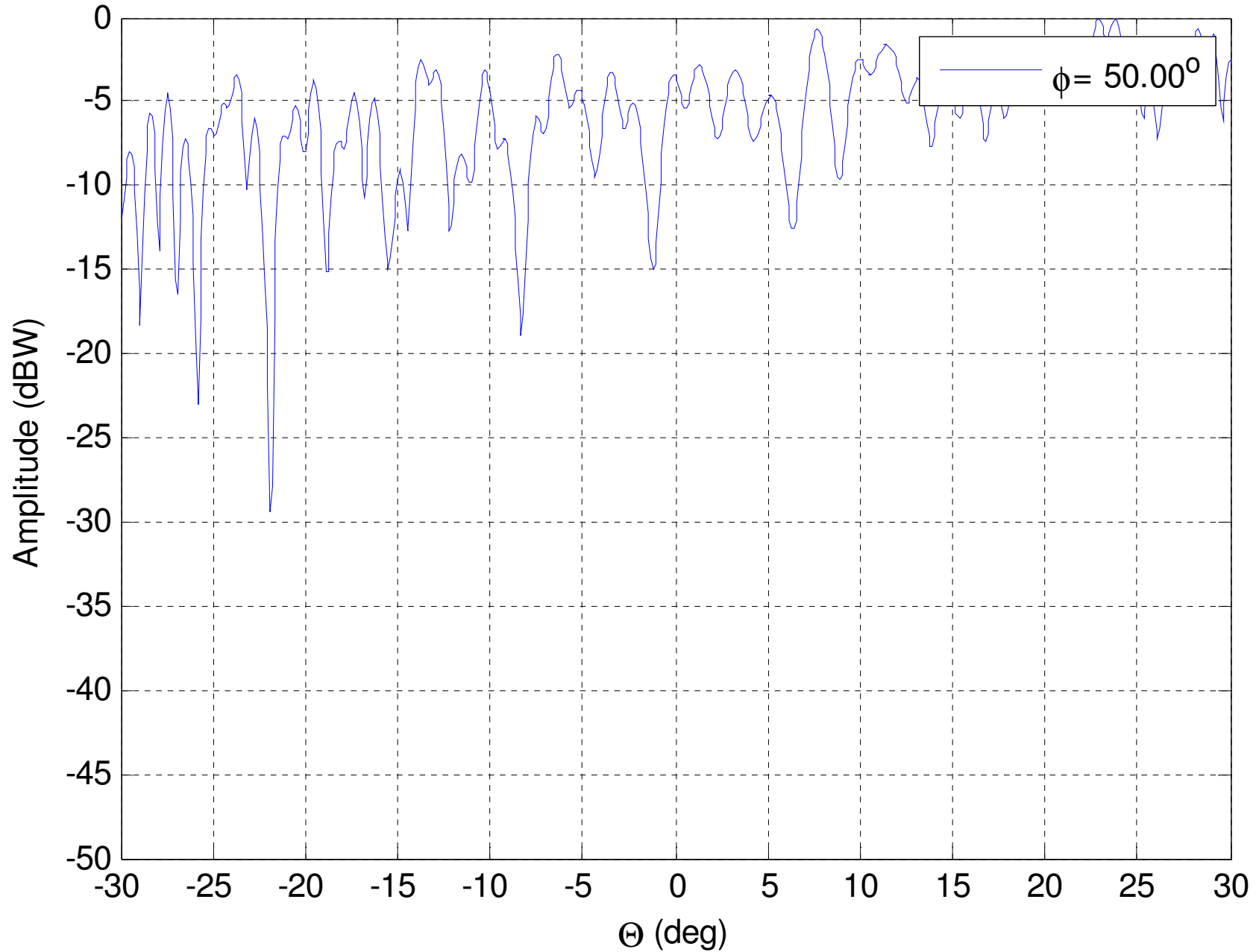
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-40.cut, Peak: -1.07 dBW, Date: 09-Mar-2012



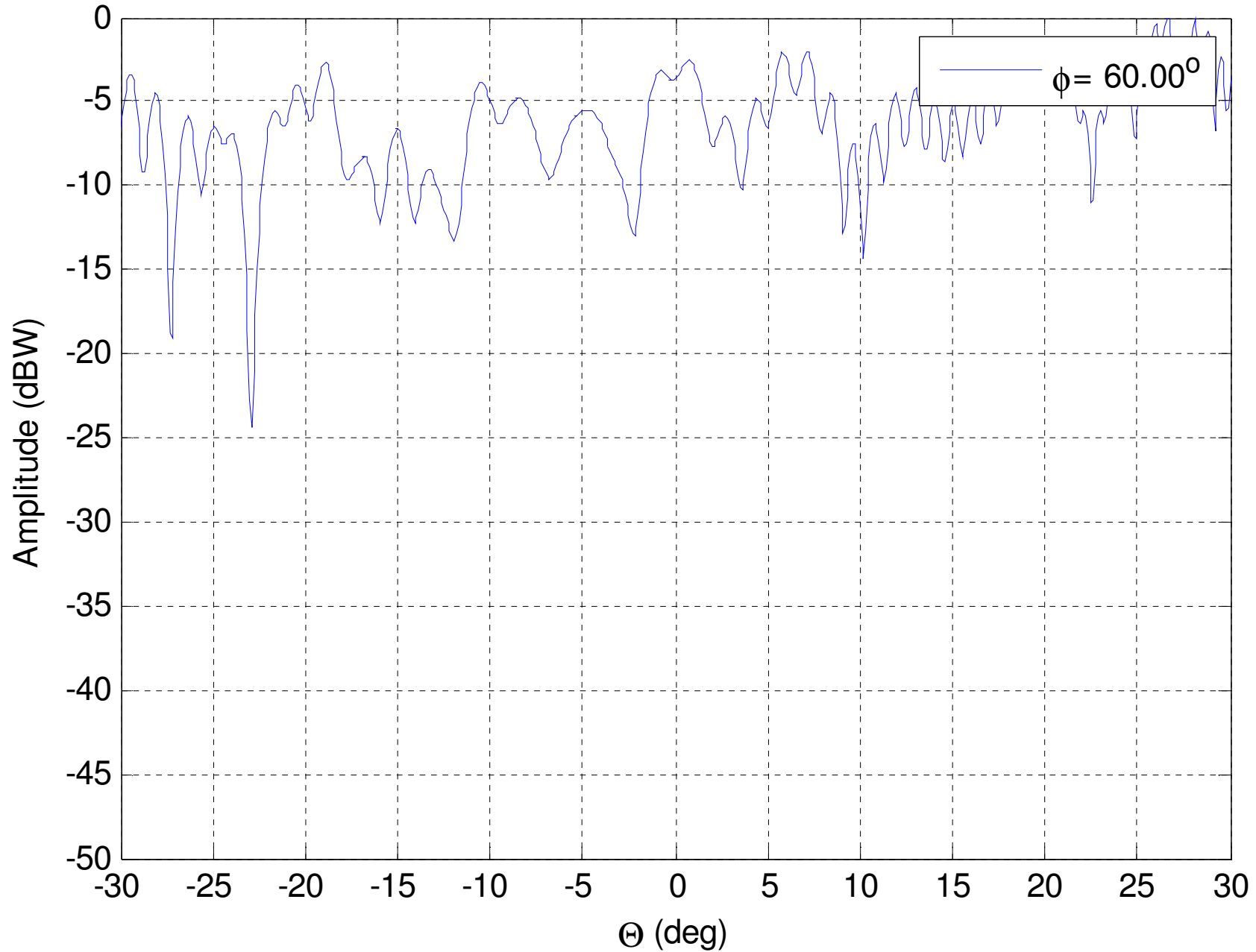
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-50.cut, Peak: -1.26 dBW, Date: 09-Mar-2012



Normalized pattern cuts - farfield

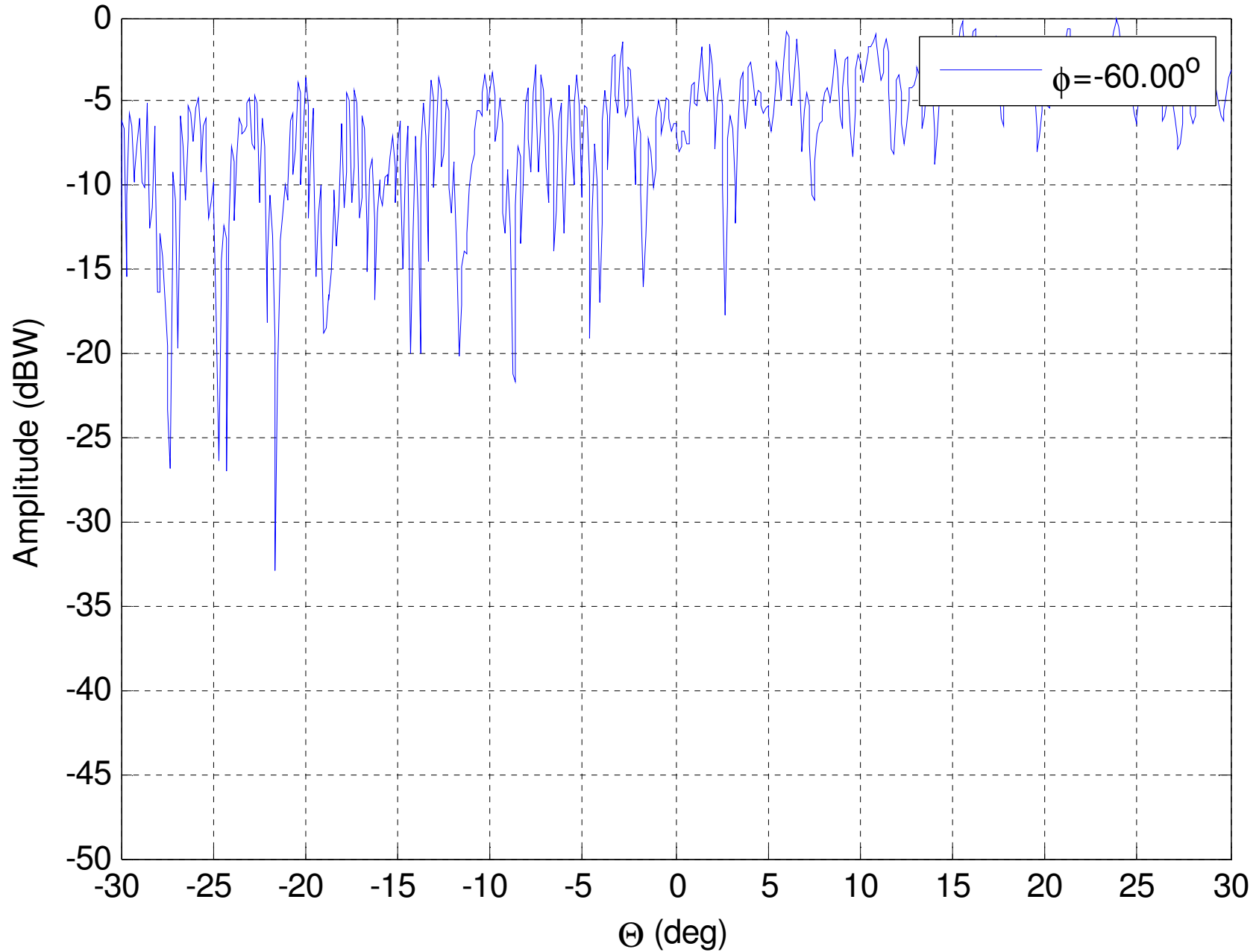
Input file: tx-17.5-lhcp-60.cut, Peak: -1.01 dBW, Date: 09-Mar-2012



RHCP at 17.695 GHz

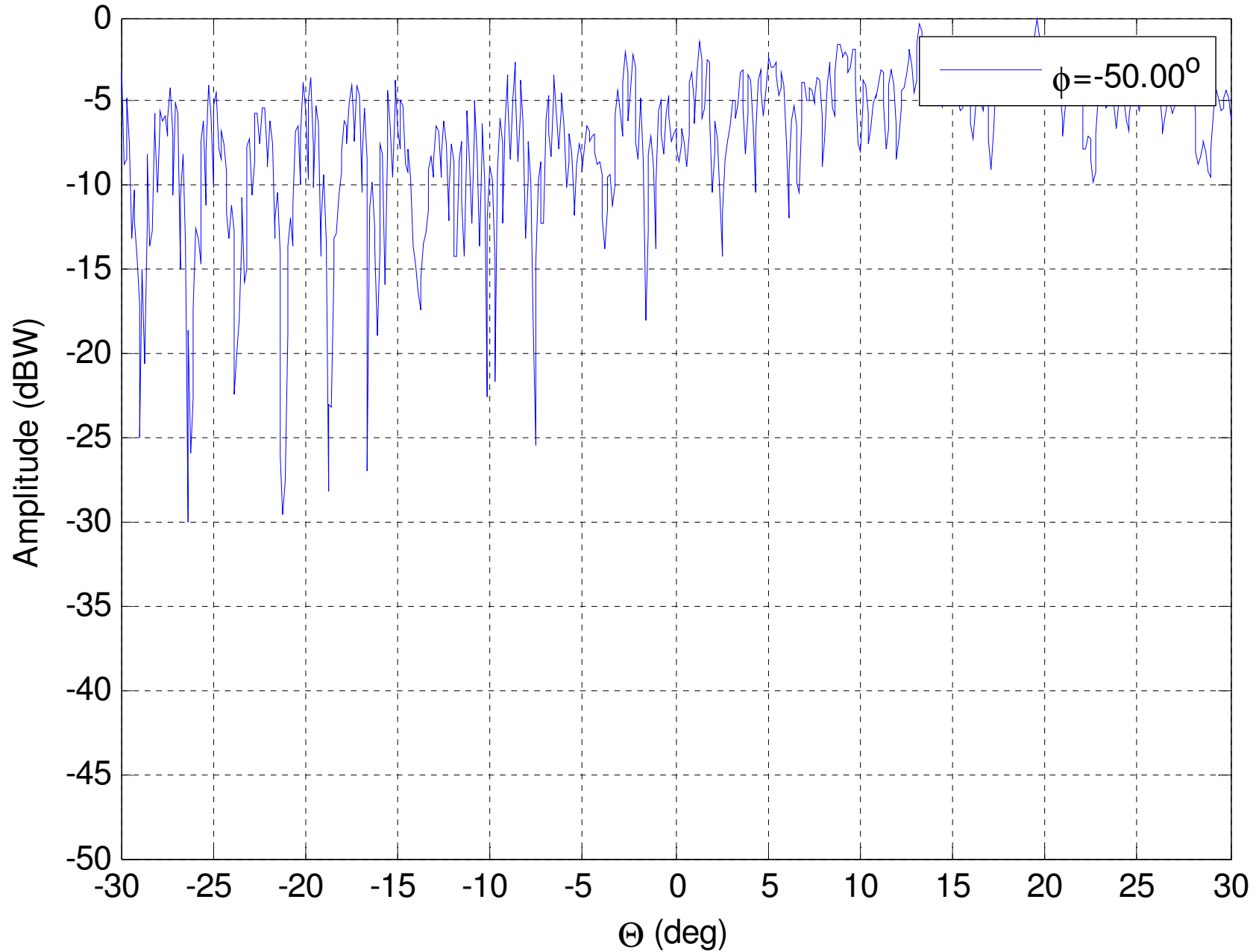
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--60.cut, Peak: -1.32 dBW, Date: 09-Mar-2012



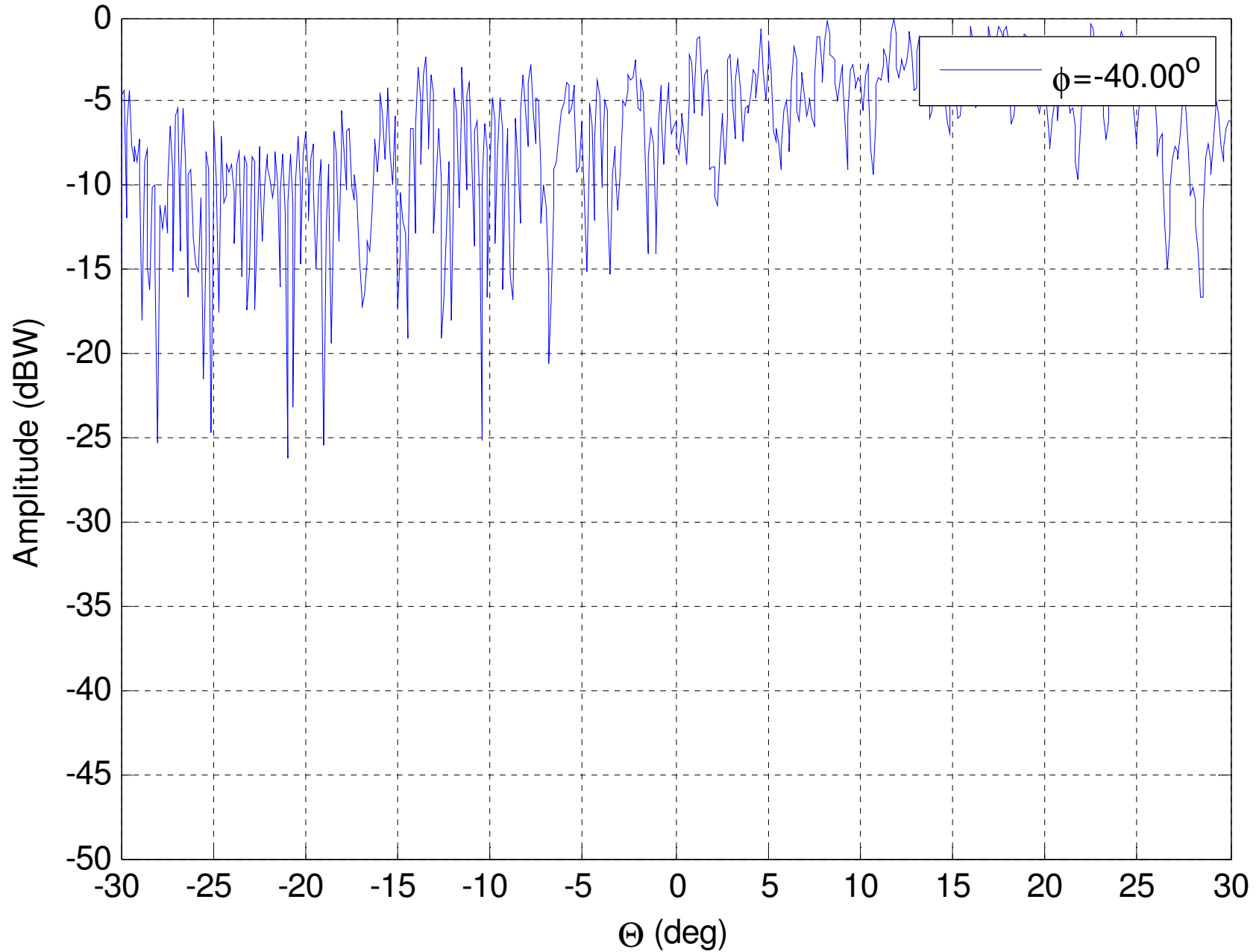
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--50.cut, Peak: -0.88 dBW, Date: 09-Mar-2012



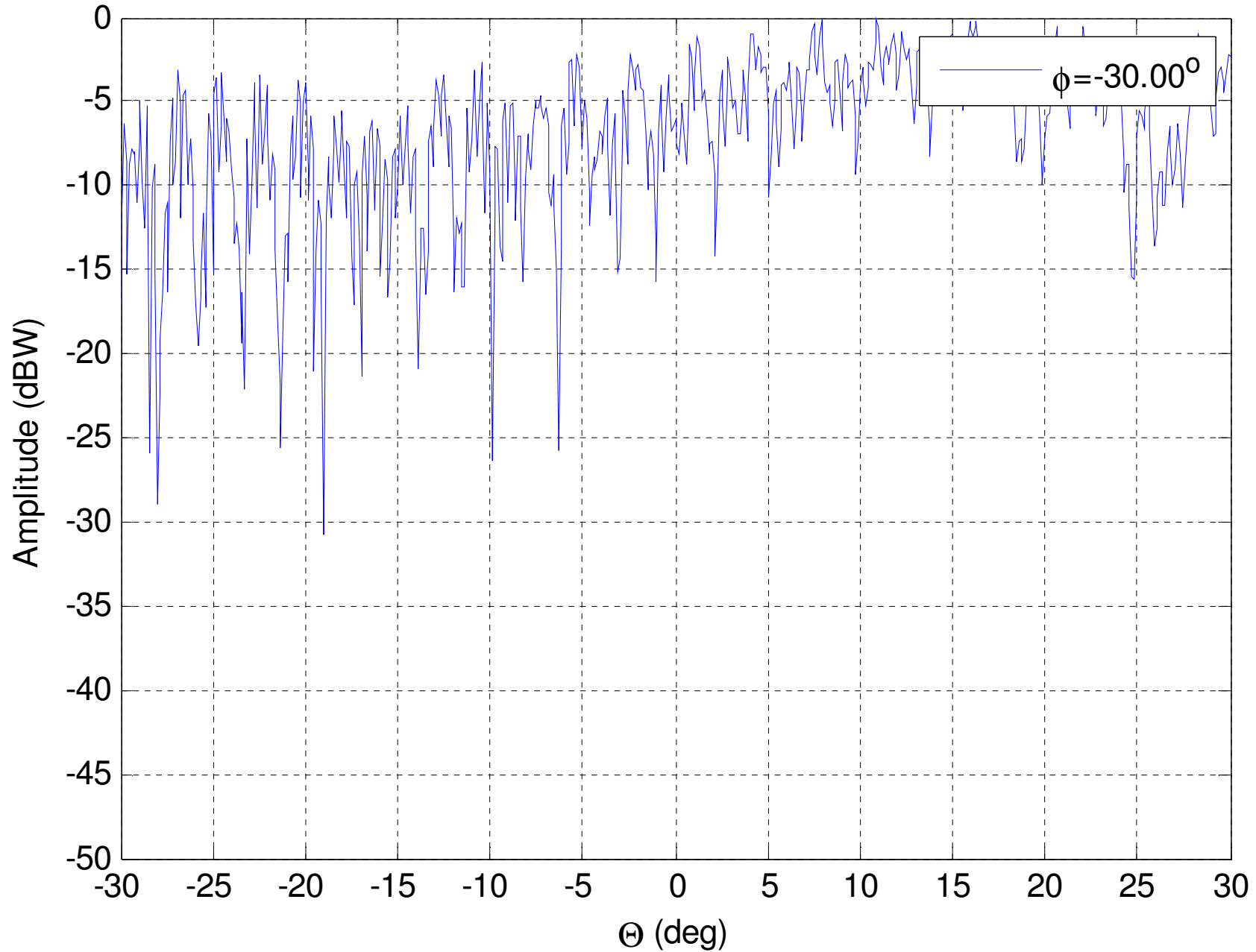
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--40.cut, Peak: -1.38 dBW, Date: 09-Mar-2012



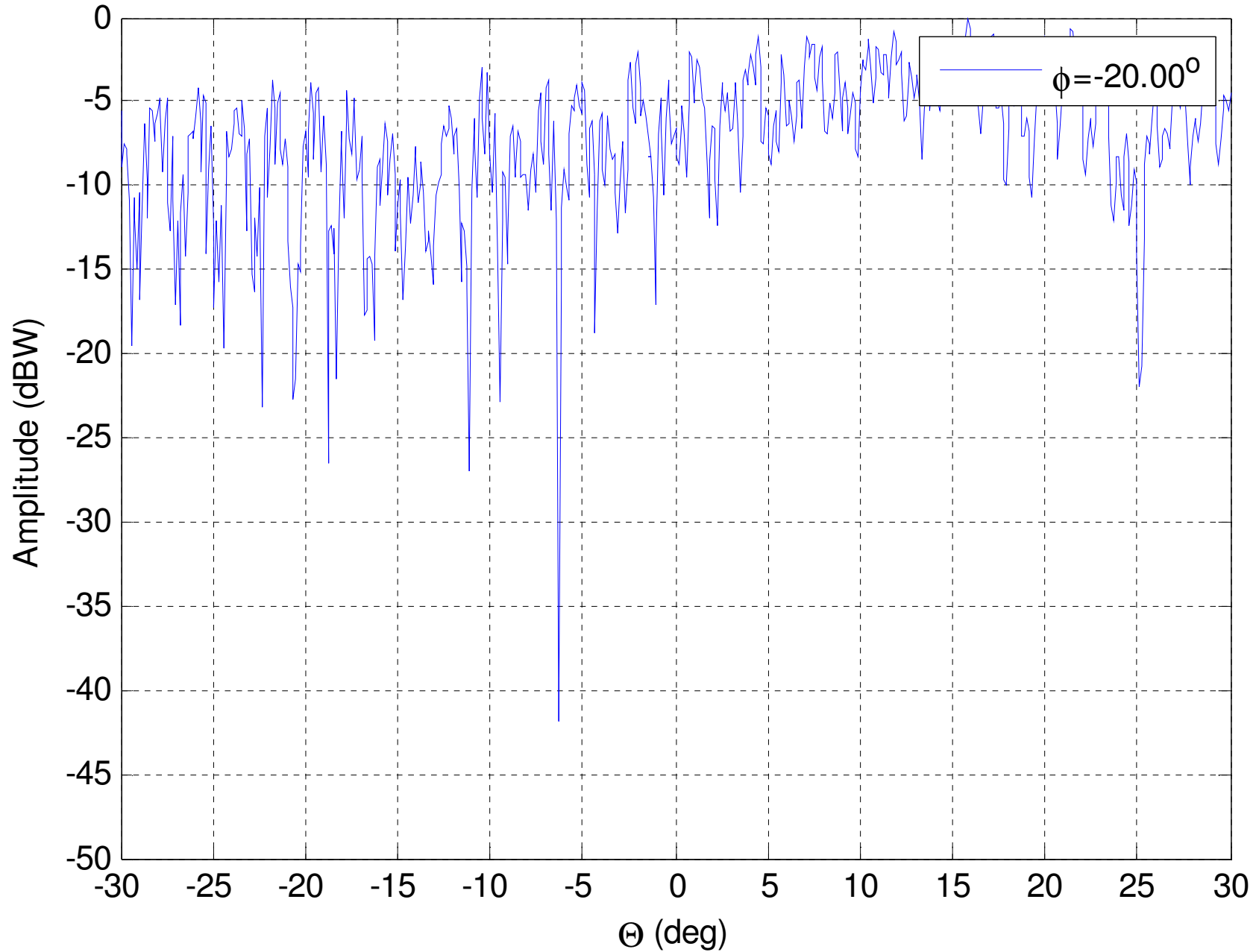
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--30.cut, Peak: -1.54 dBW, Date: 09-Mar-2012



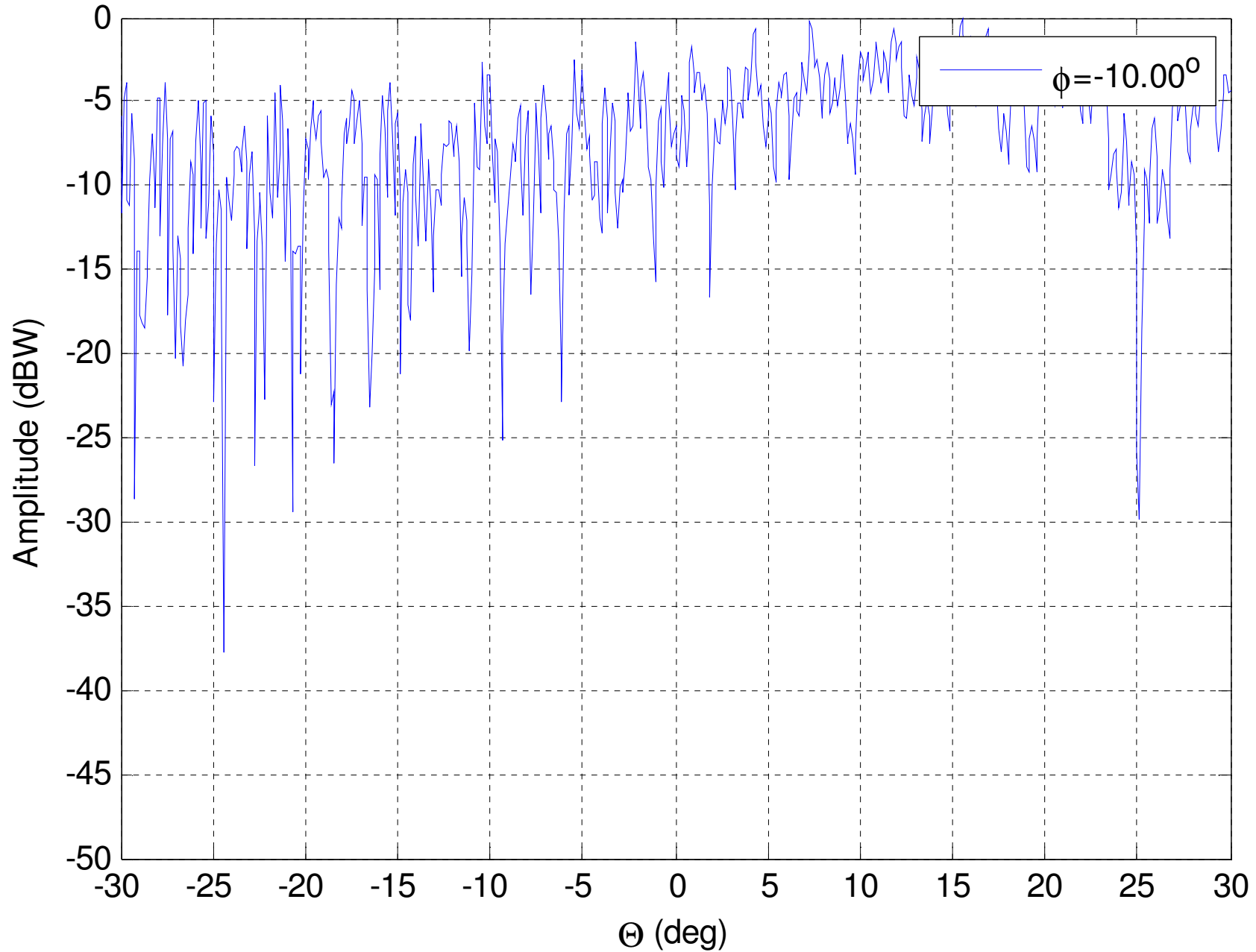
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--20.cut, Peak: -0.97 dBW, Date: 09-Mar-2012



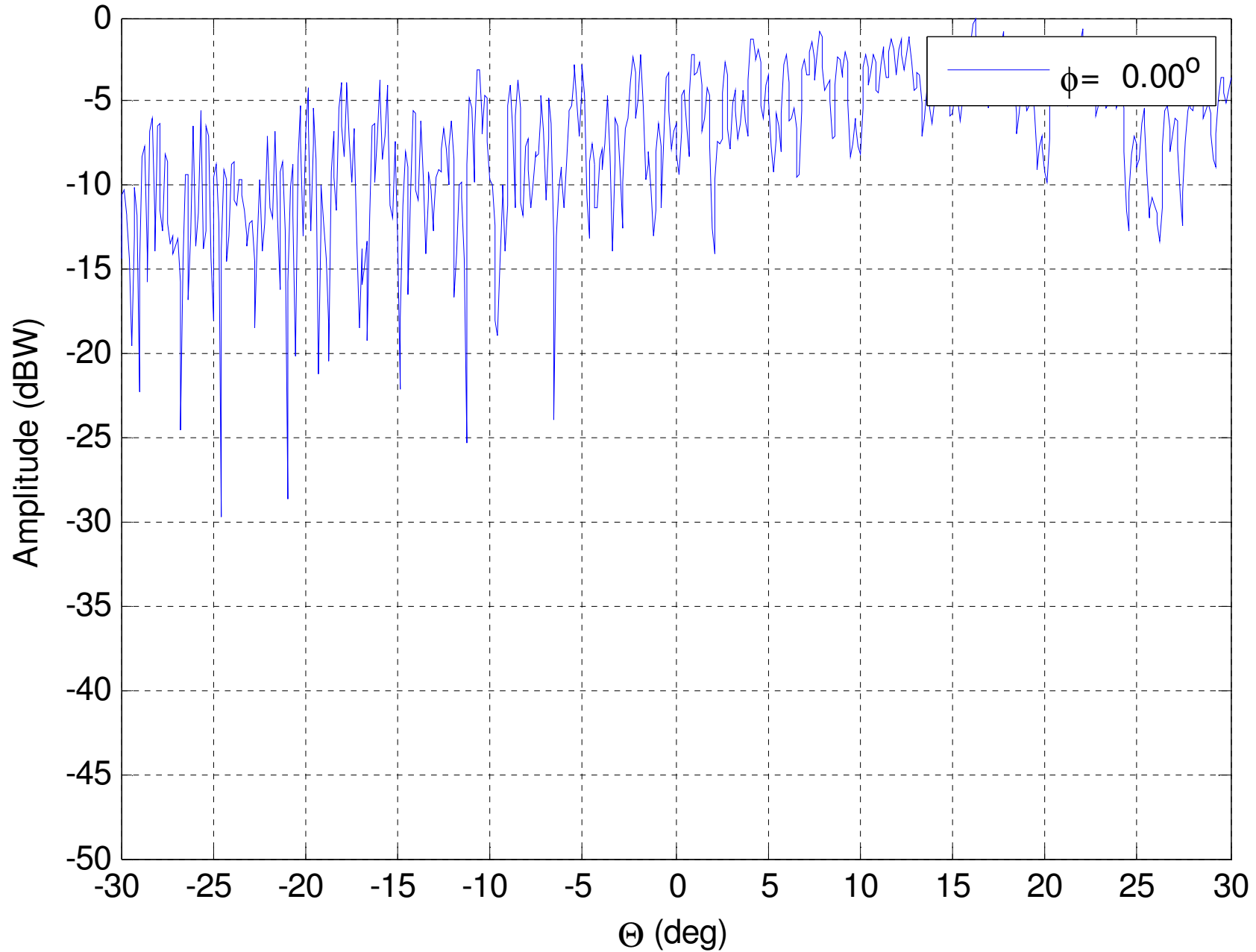
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--10.cut, Peak: -1.11 dBW, Date: 09-Mar-2012



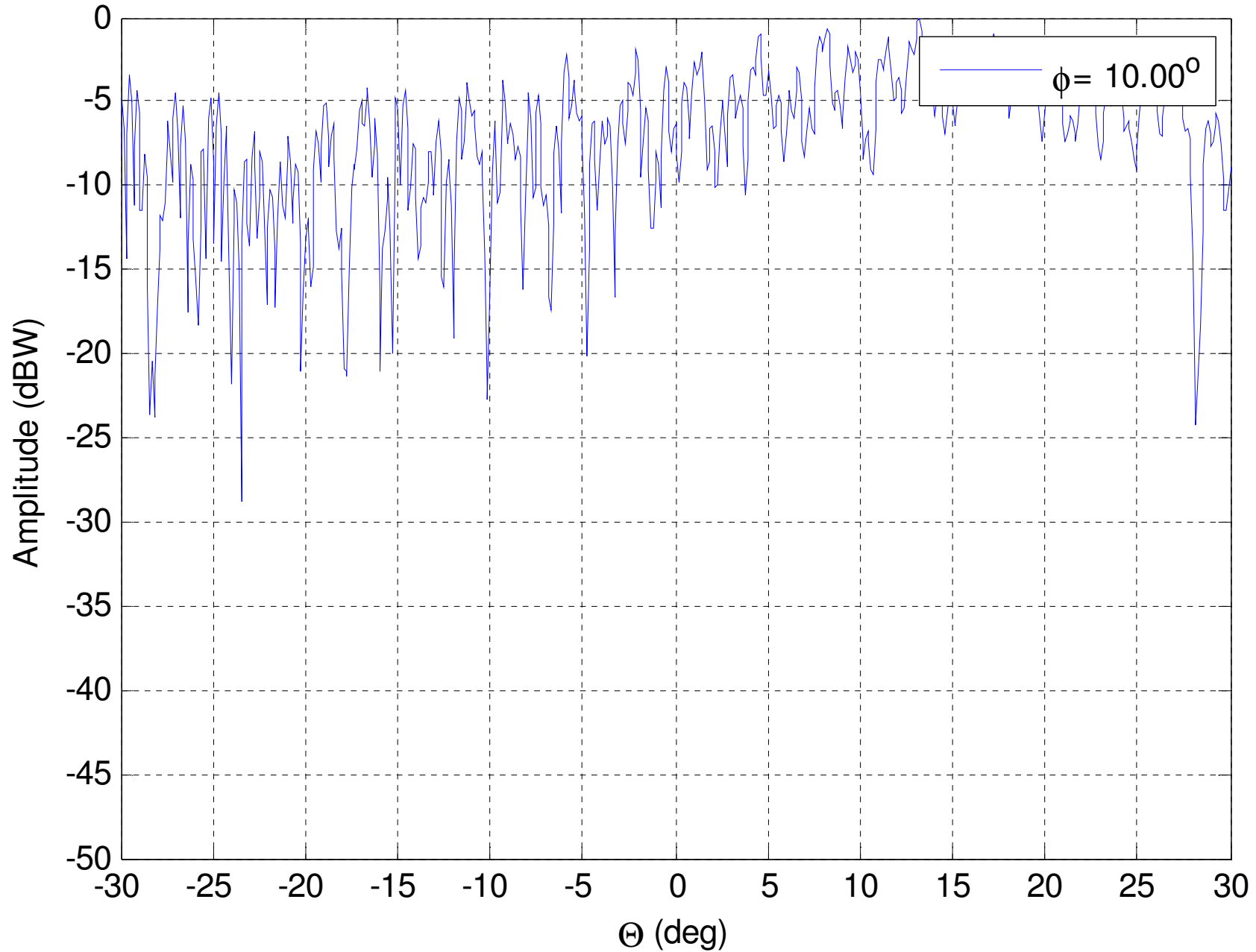
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-0.cut, Peak: -1.18 dBW, Date: 09-Mar-2012



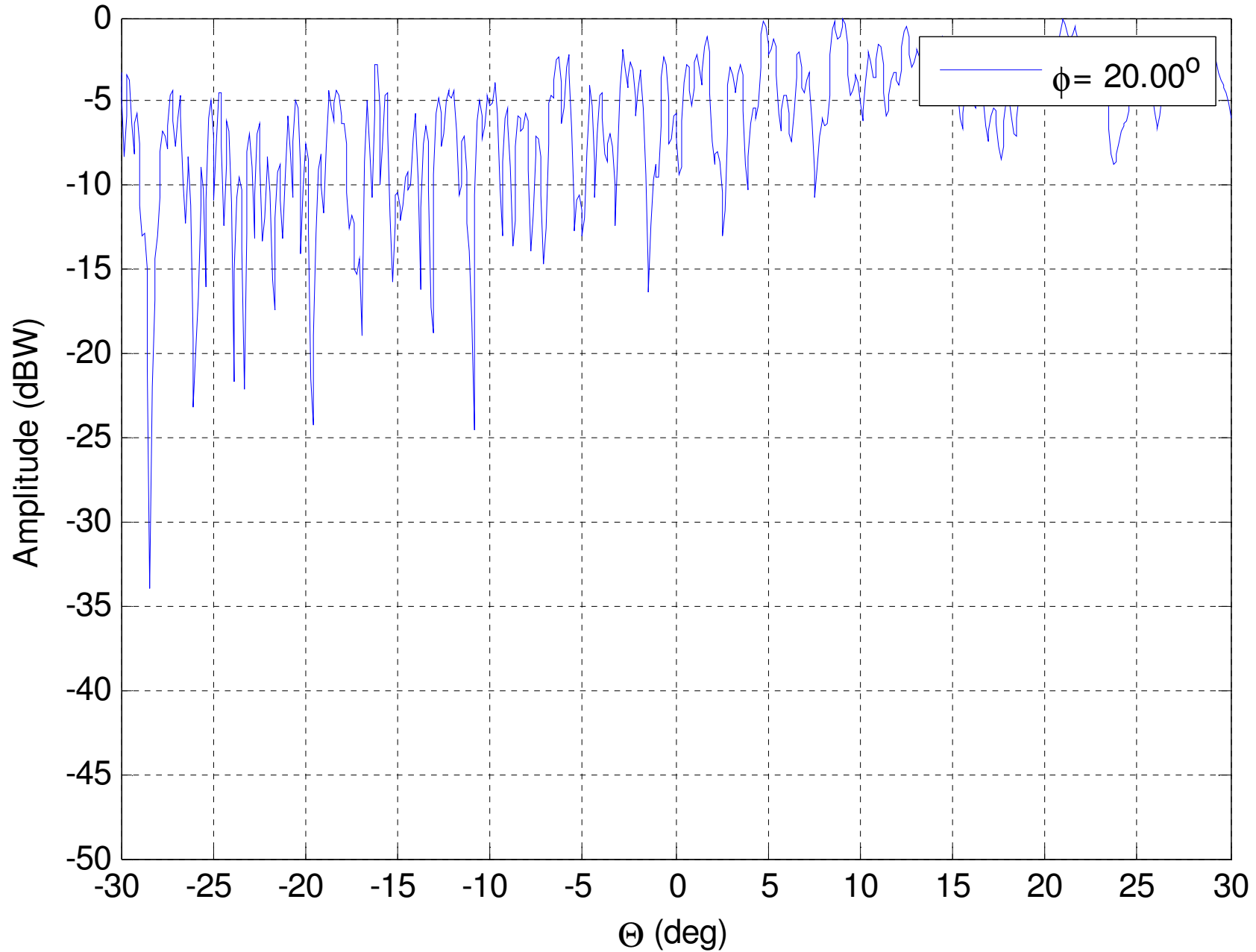
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-10.cut, Peak: -1.18 dBW, Date: 09-Mar-2012



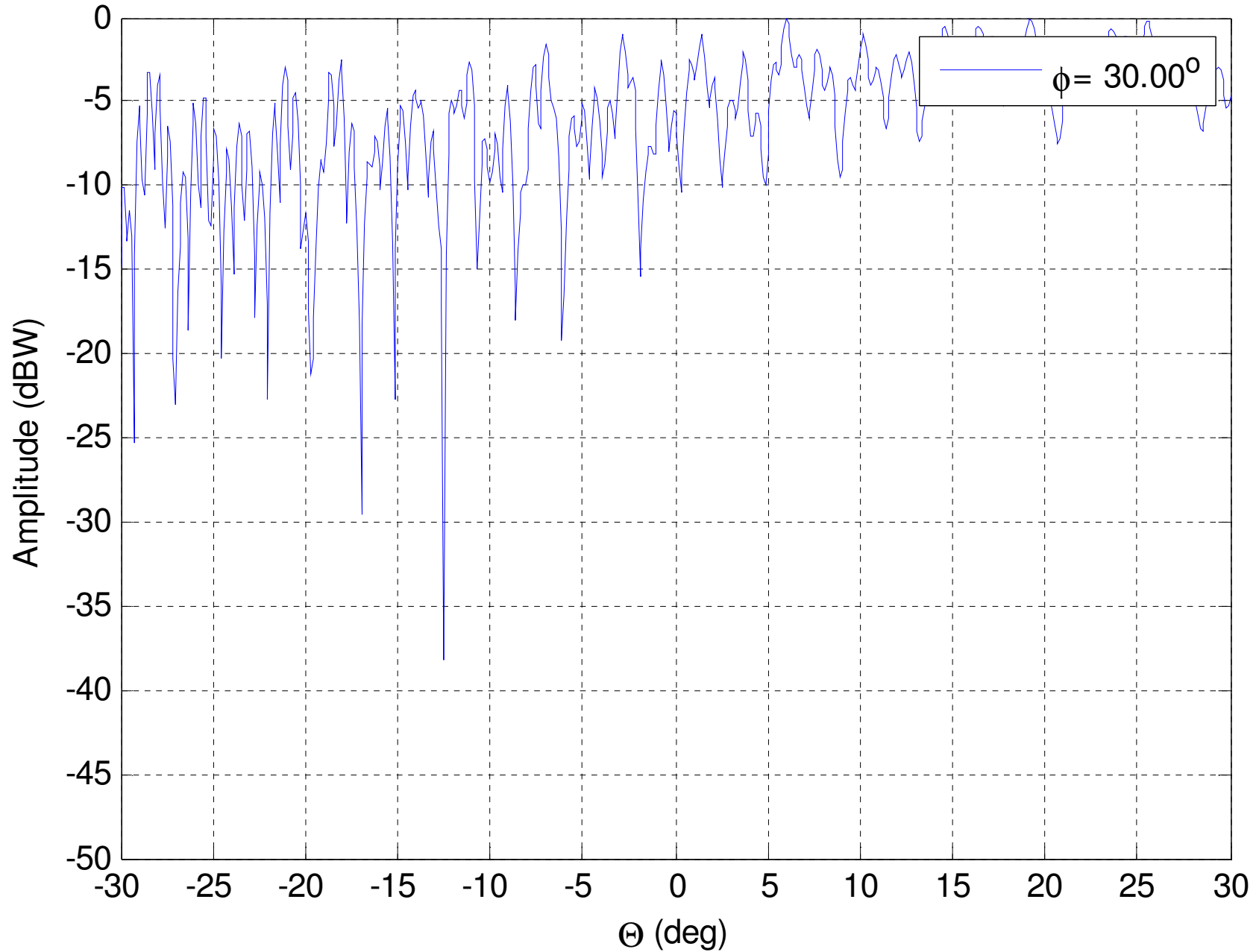
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-20.cut, Peak: -1.84 dBW, Date: 09-Mar-2012



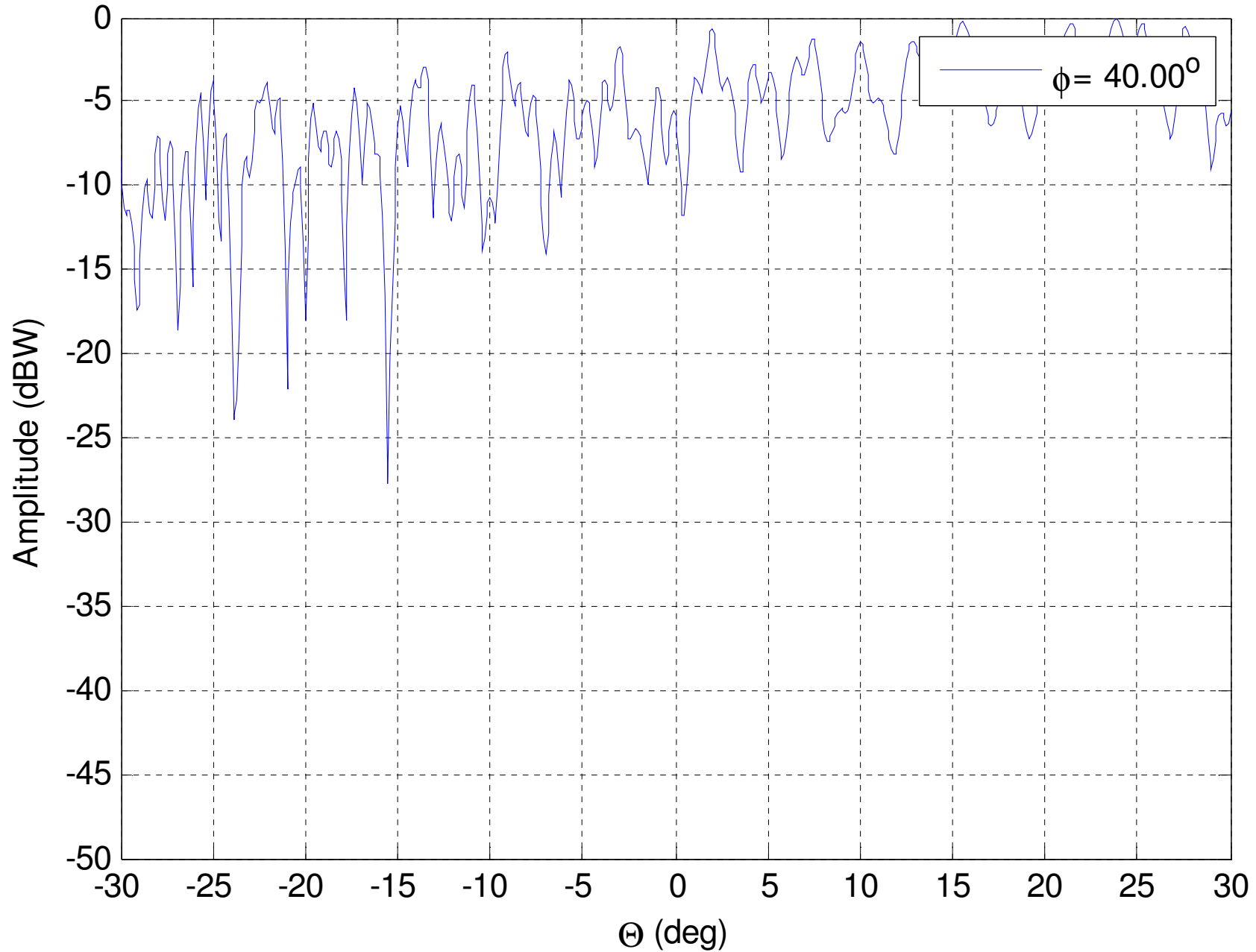
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-30.cut, Peak: -1.93 dBW, Date: 09-Mar-2012



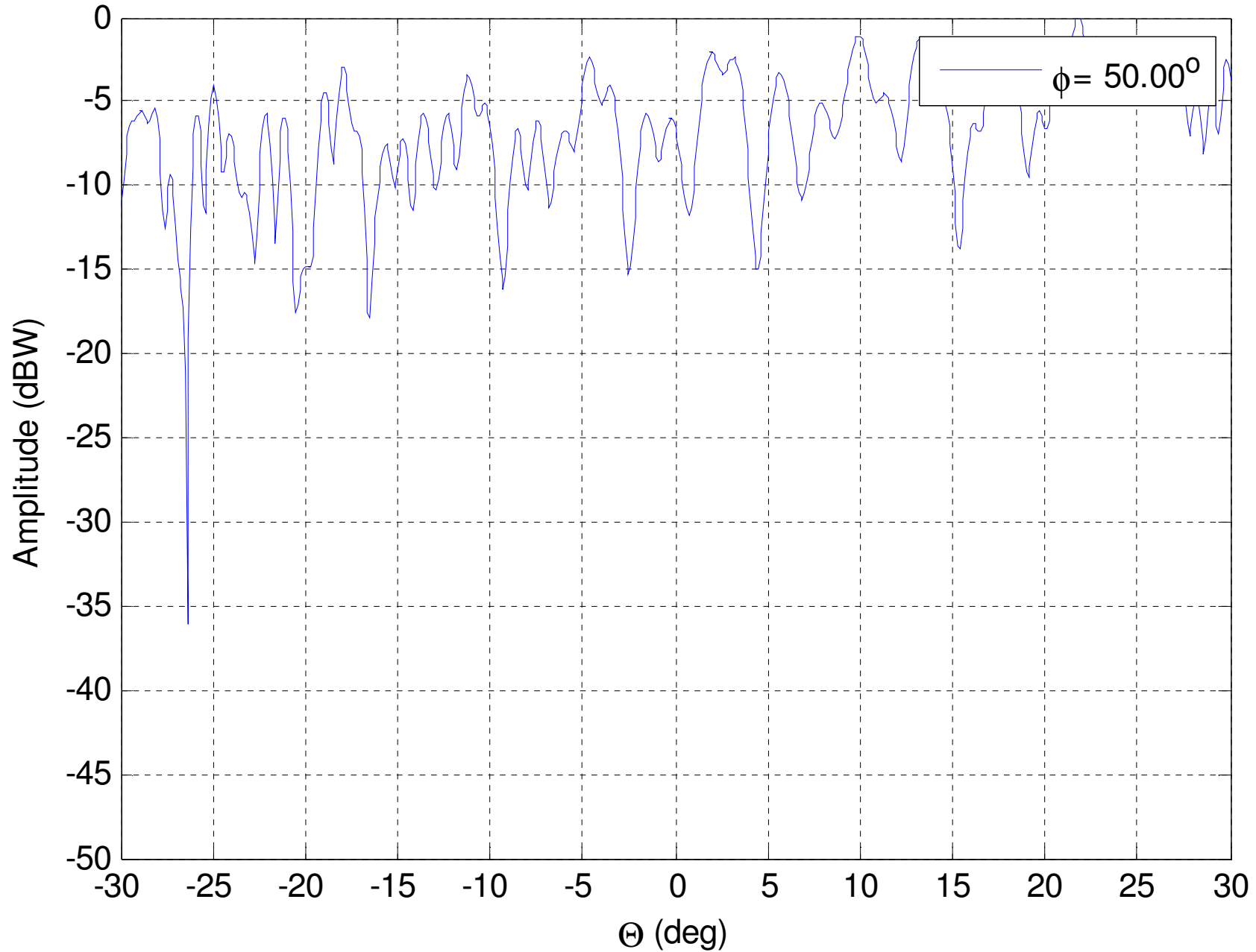
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-40.cut, Peak: -1.77 dBW, Date: 09-Mar-2012



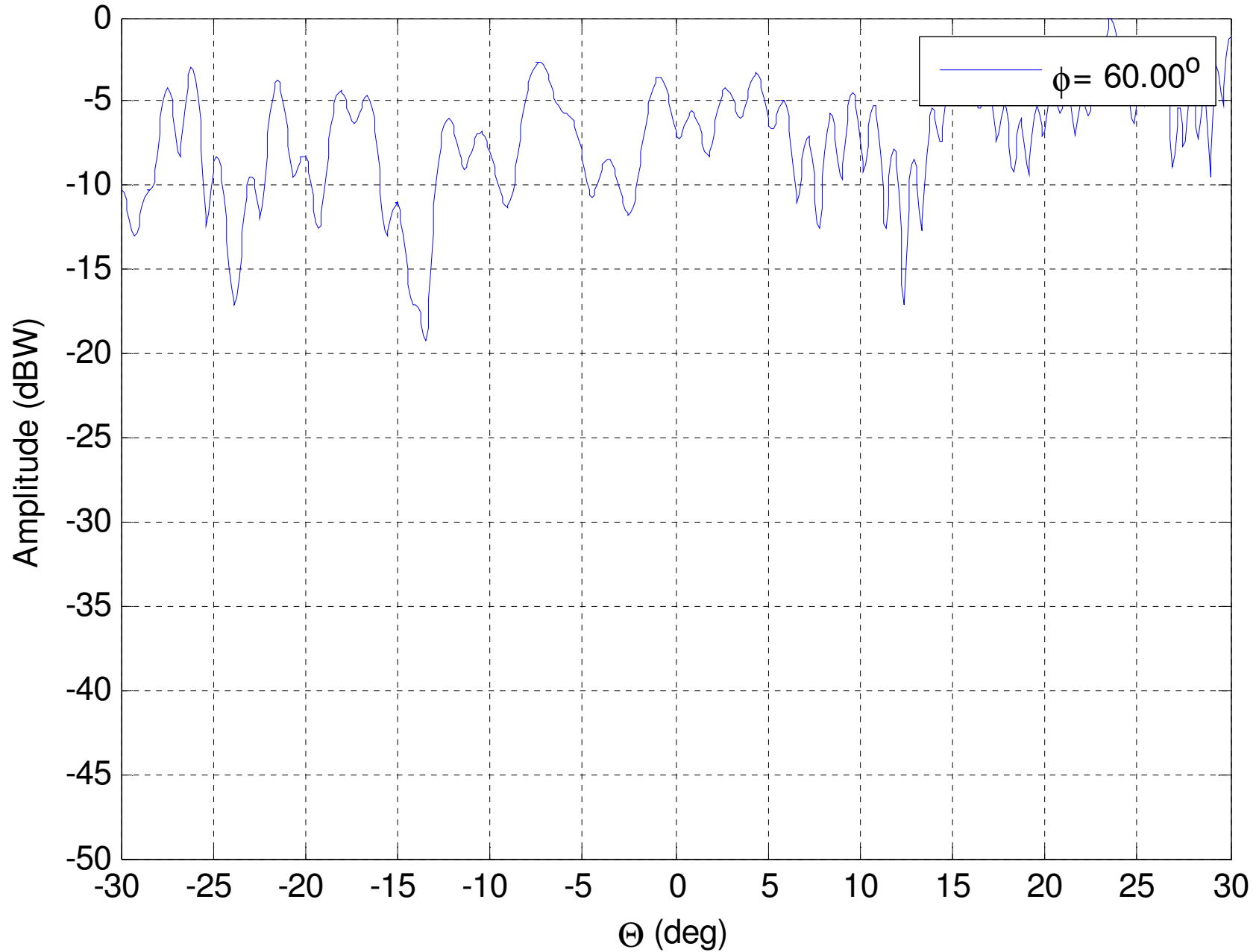
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-50.cut, Peak: -0.96 dBW, Date: 09-Mar-2012



Normalized pattern cuts - farfield

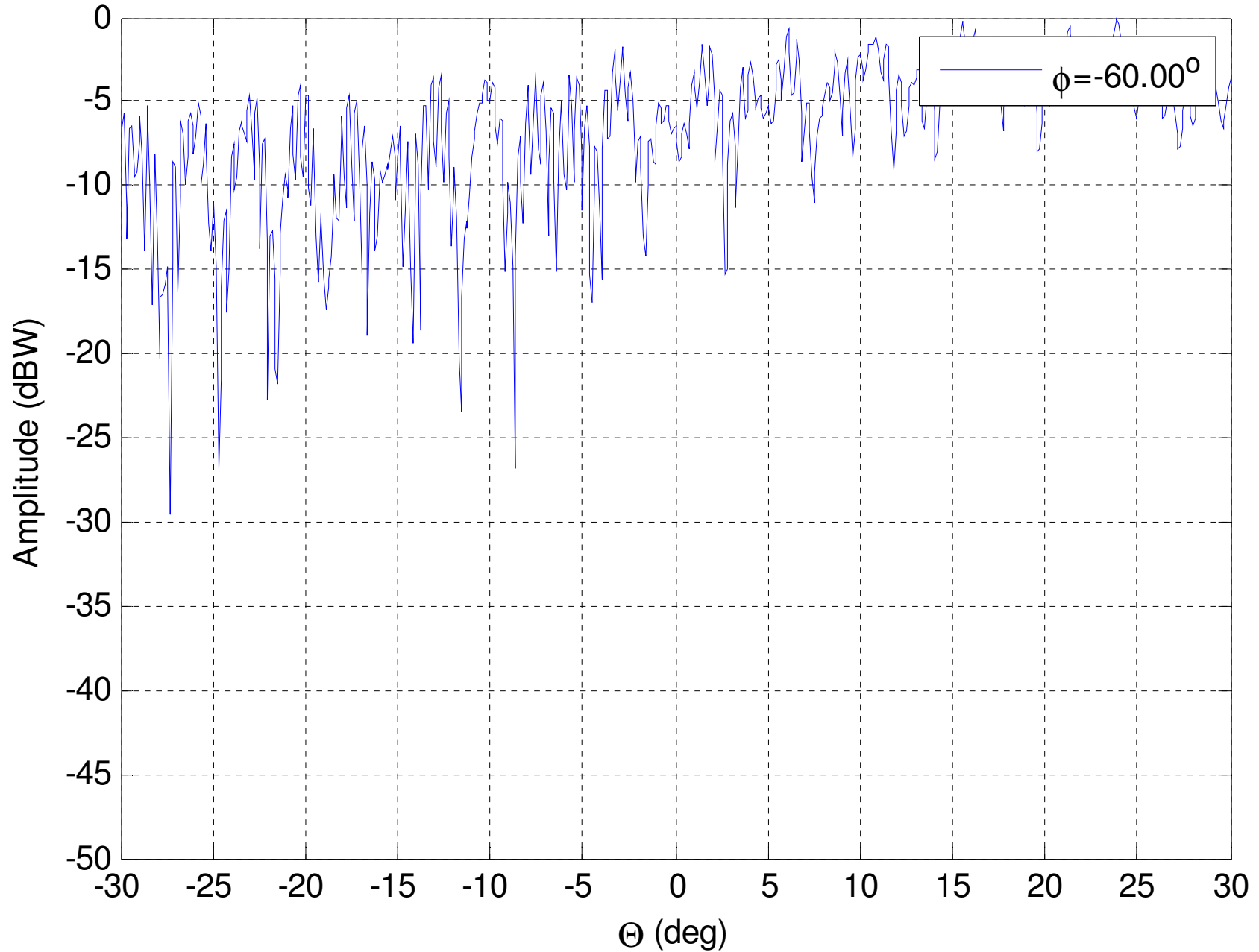
Input file: tx-17.7-rhcp-60.cut, Peak: -0.83 dBW, Date: 09-Mar-2012



LHCP at 17.695 GHz

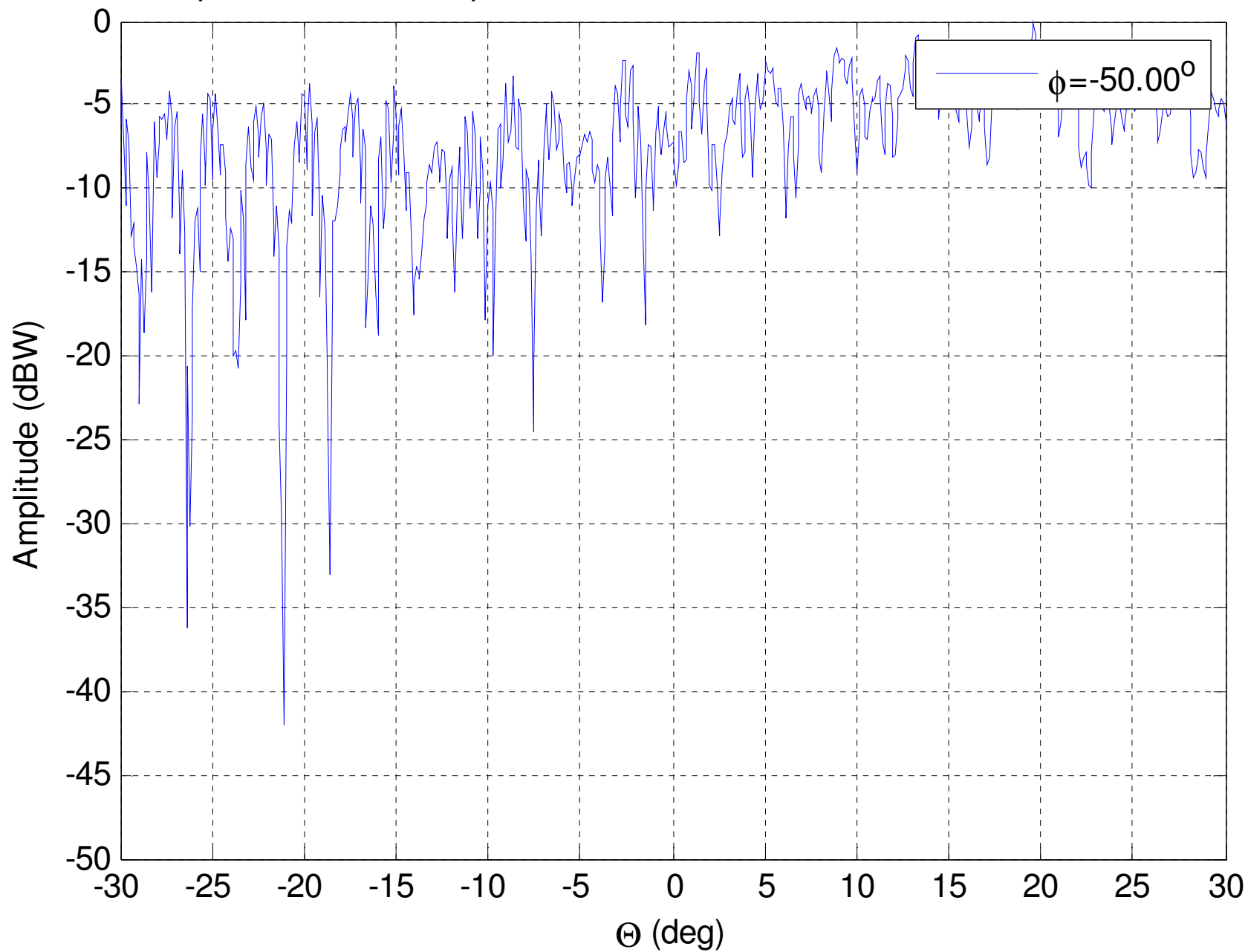
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--60.cut, Peak: -1.33 dBW, Date: 09-Mar-2012



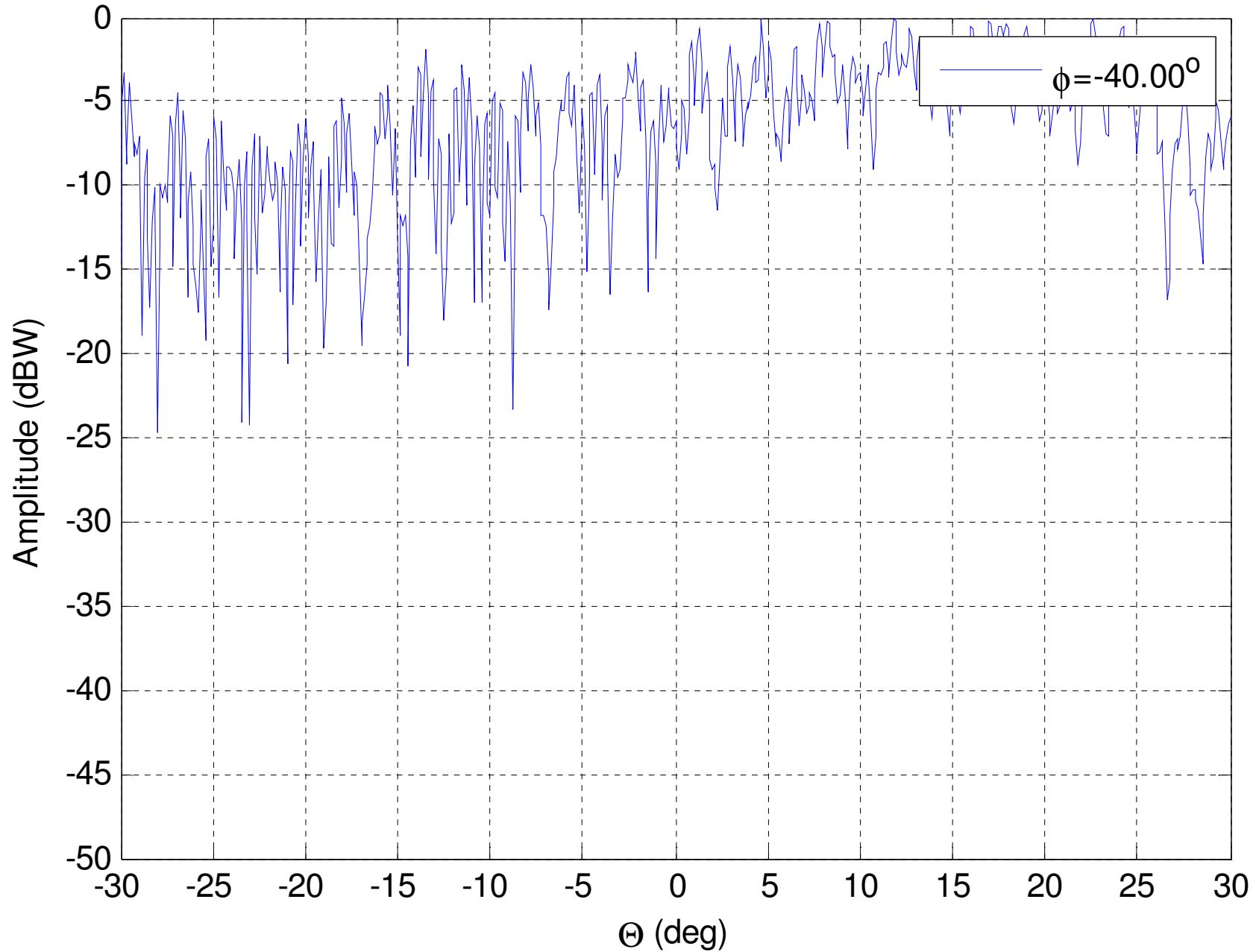
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--50.cut, Peak: -0.66 dBW, Date: 09-Mar-2012



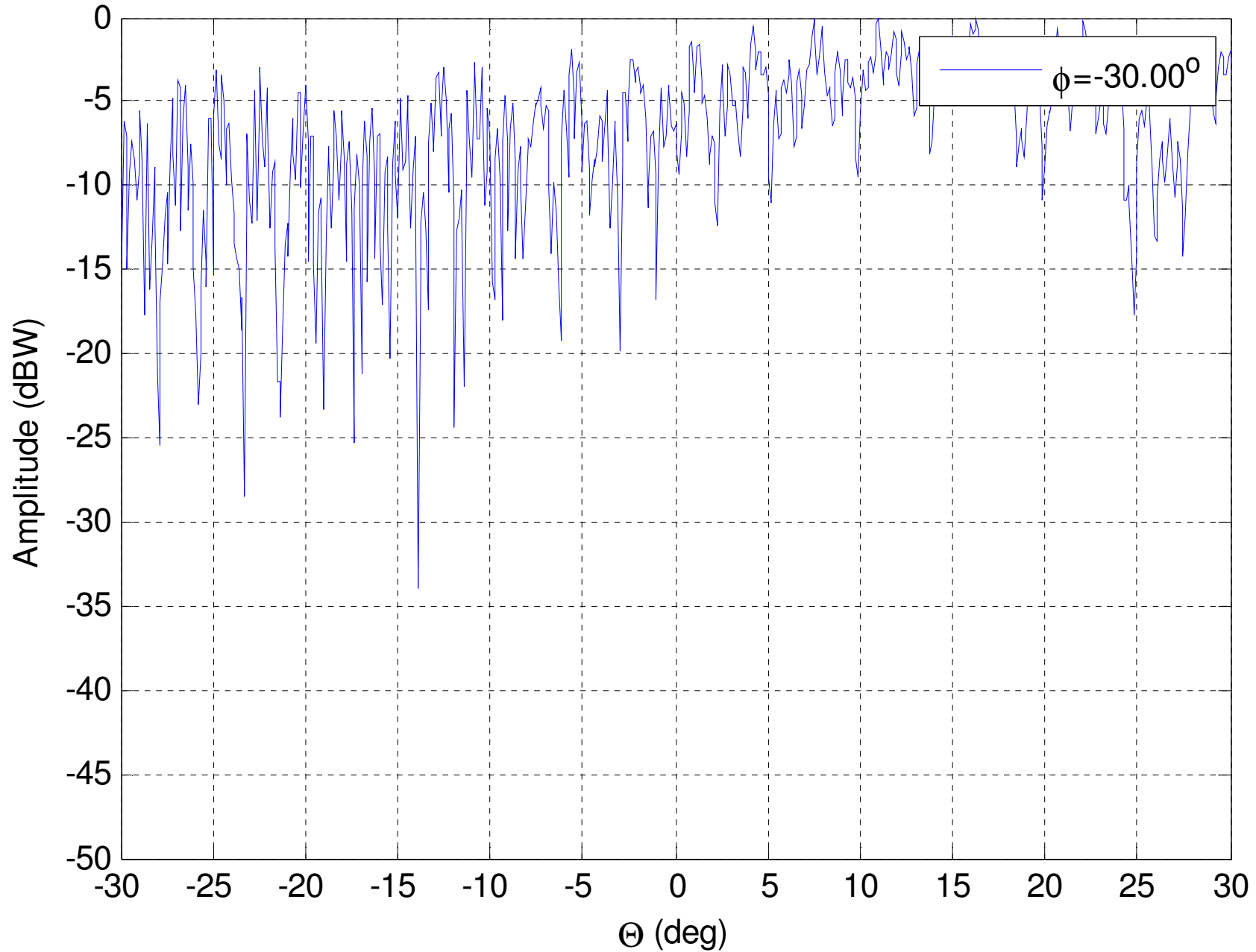
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--40.cut, Peak: -1.62 dBW, Date: 09-Mar-2012



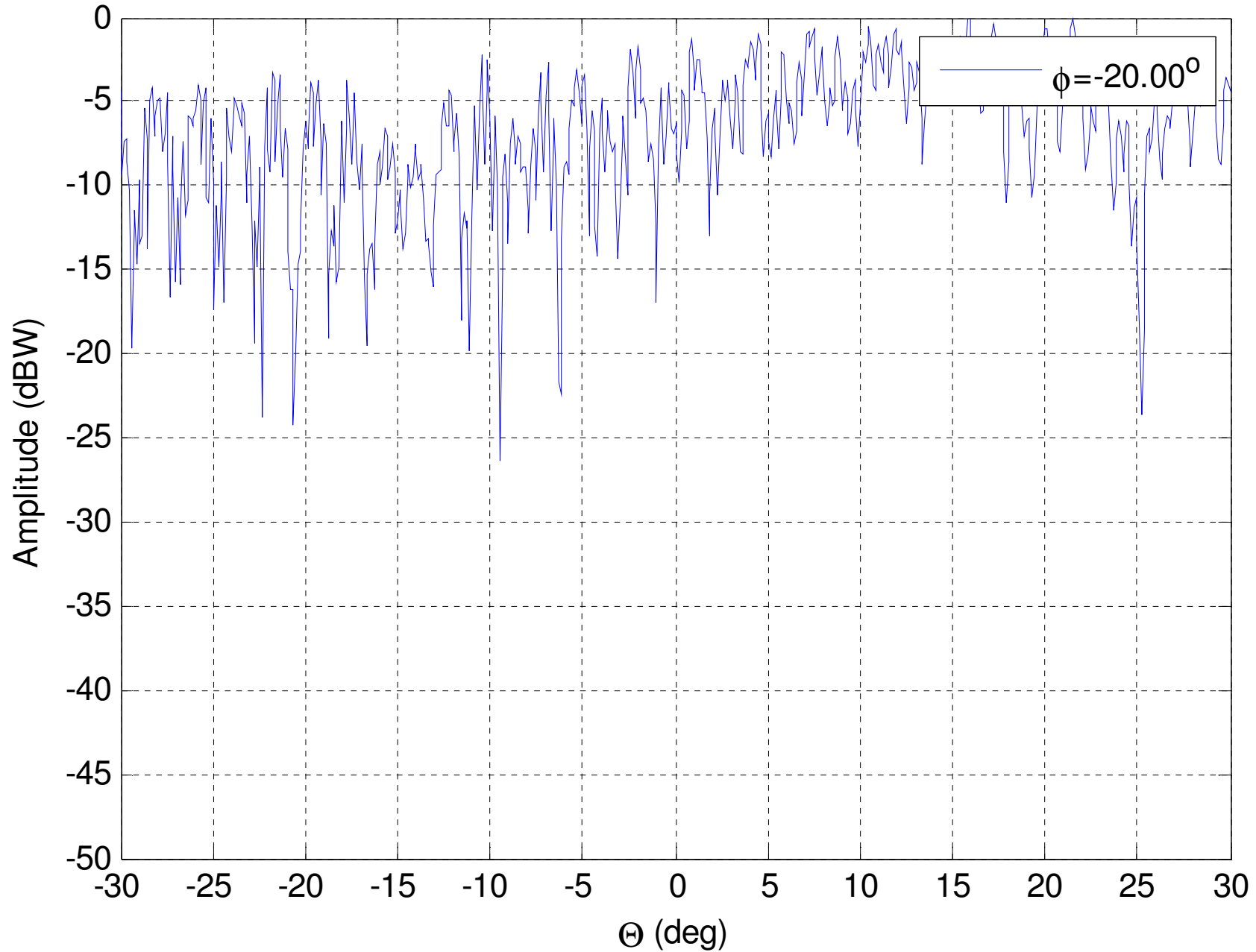
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--30.cut, Peak: -1.56 dBW, Date: 09-Mar-2012



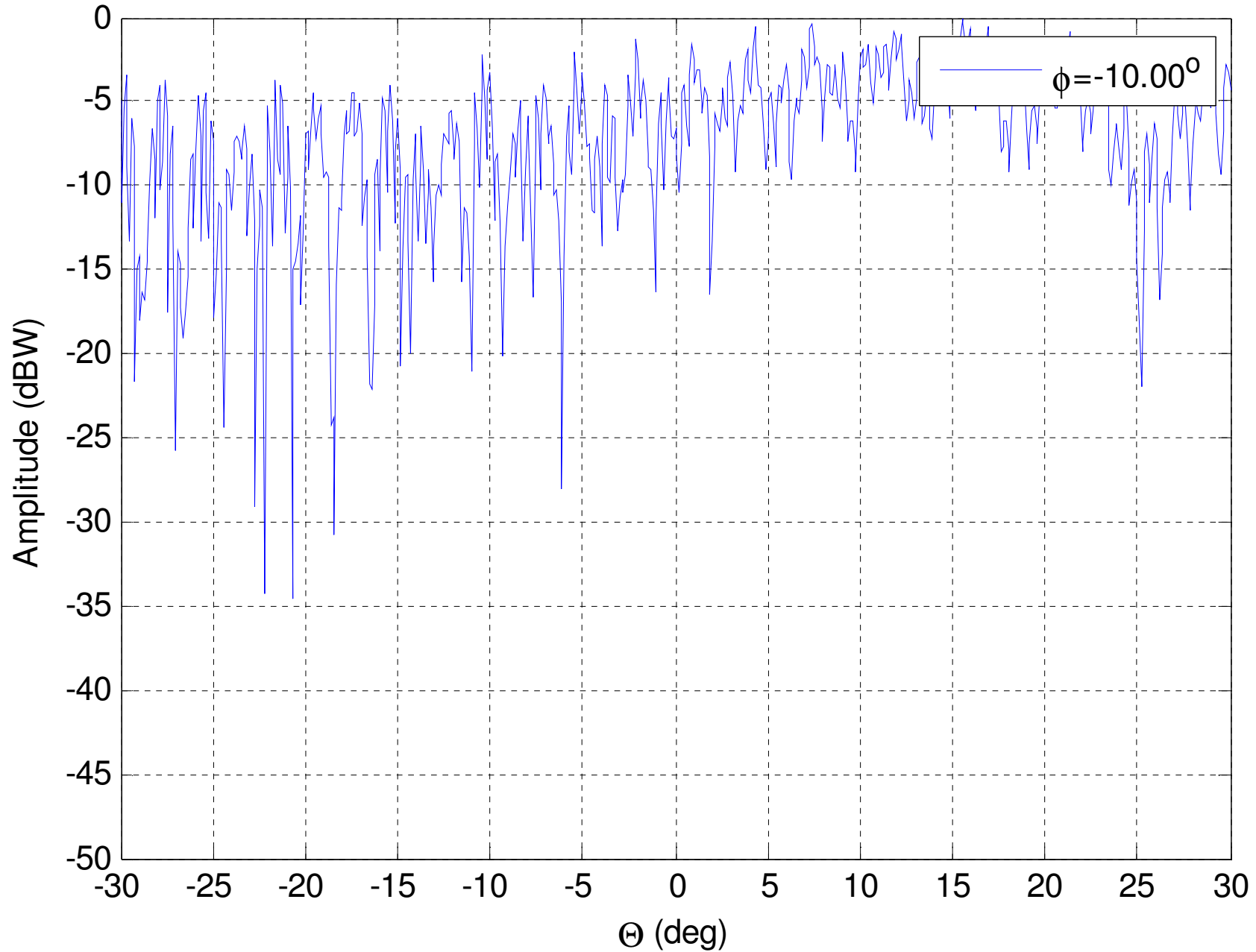
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--20.cut, Peak: -1.45 dBW, Date: 09-Mar-2012



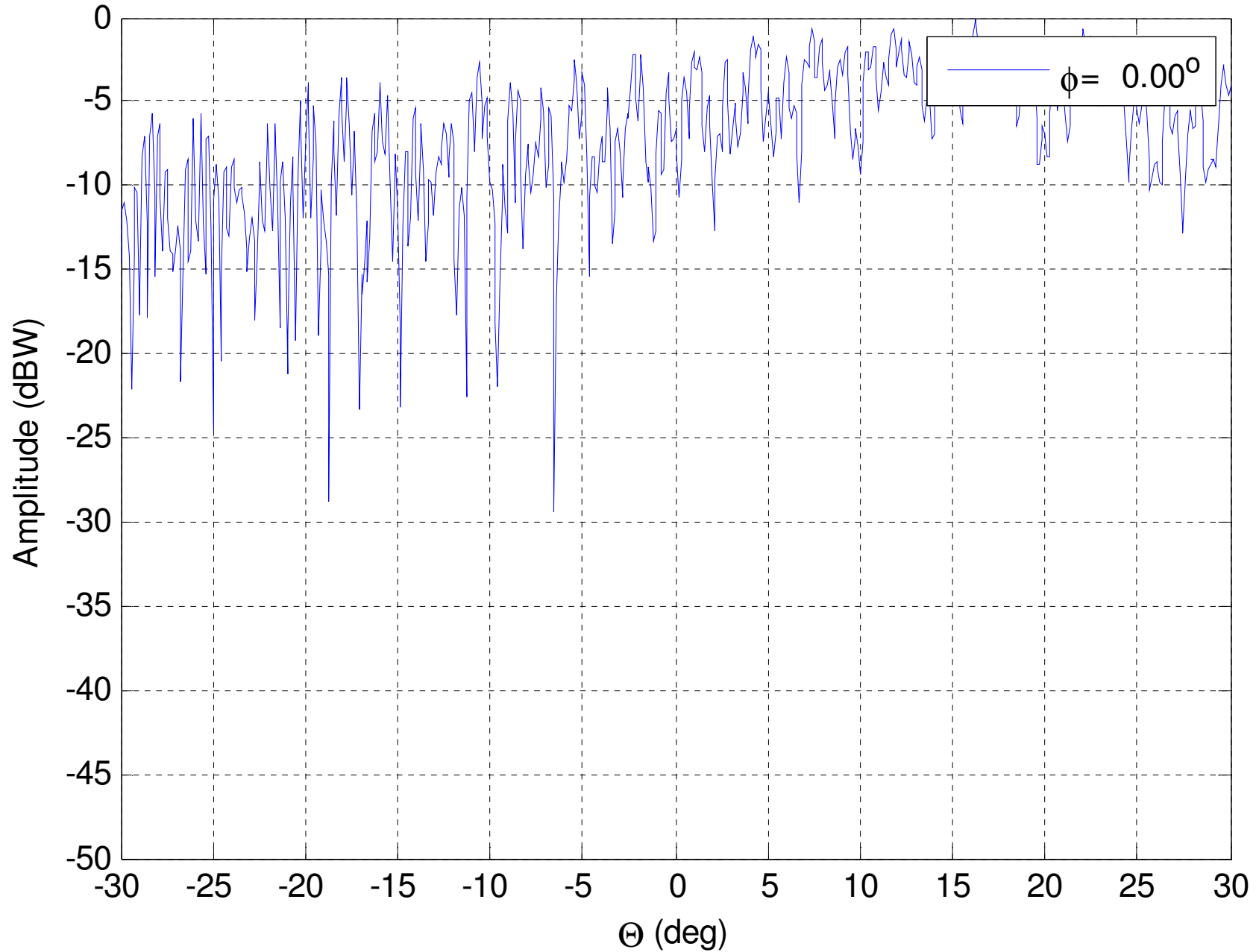
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--10.cut, Peak: -1.23 dBW, Date: 09-Mar-2012



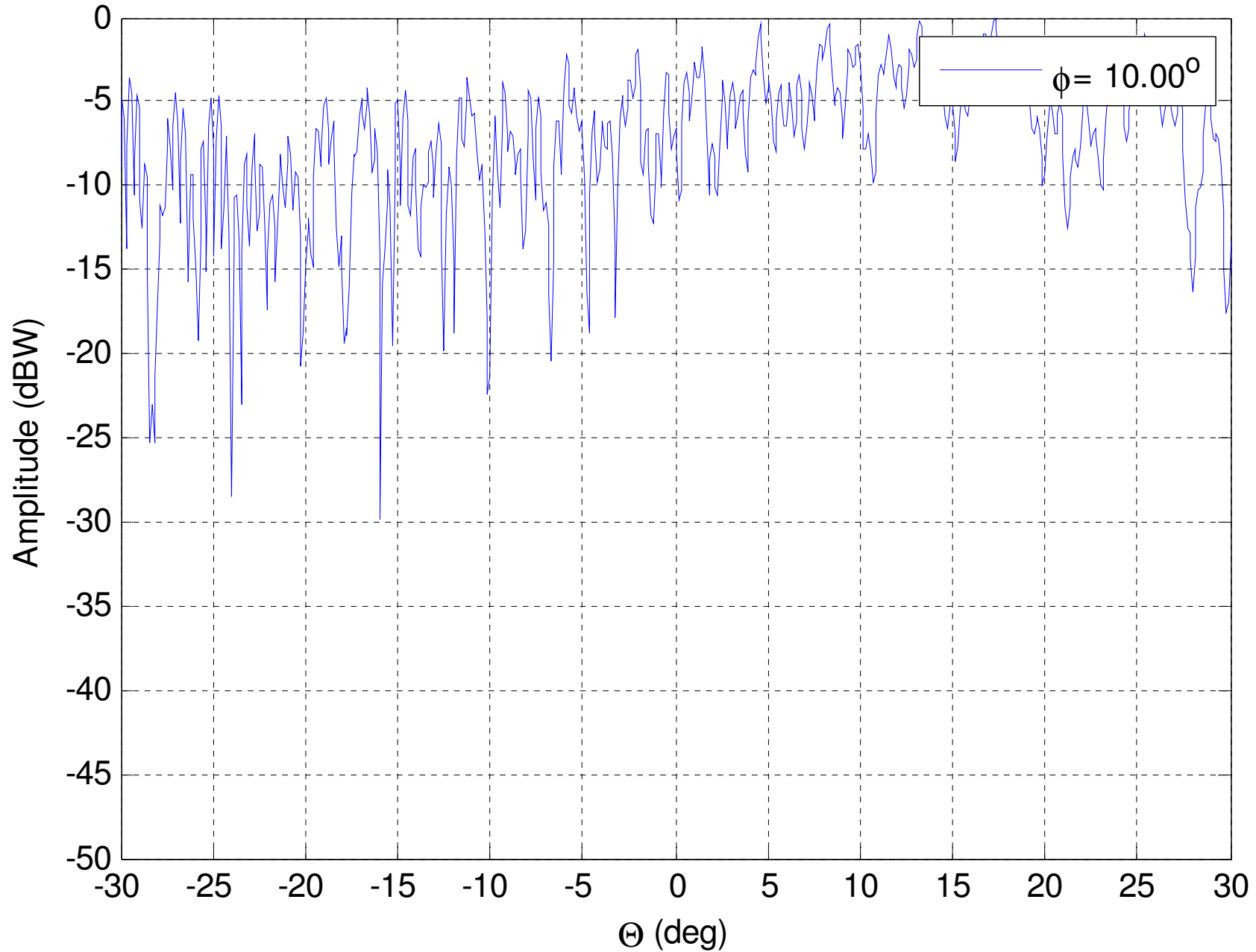
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-0.cut, Peak: -1.24 dBW, Date: 09-Mar-2012



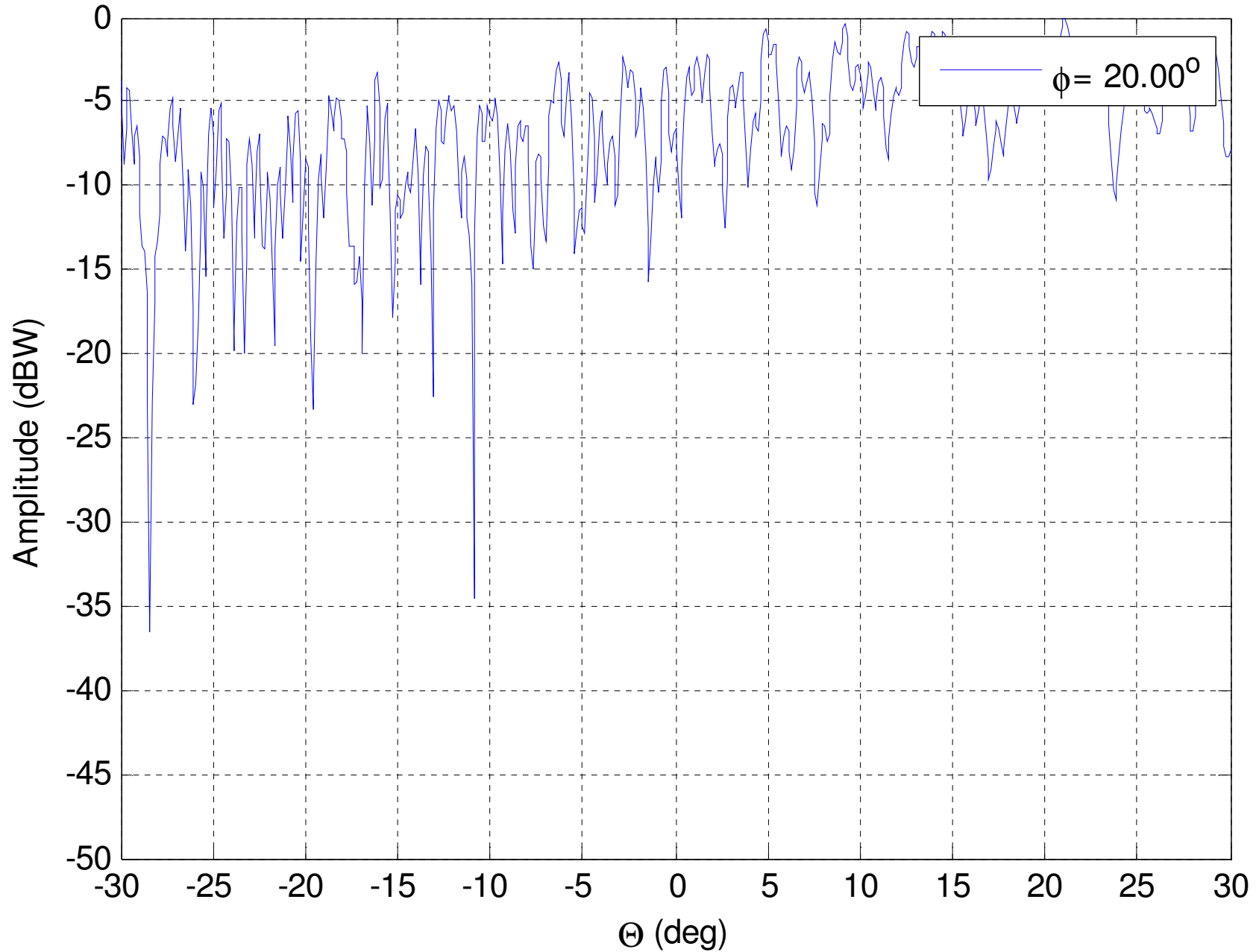
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-10.cut, Peak: -1.22 dBW, Date: 09-Mar-2012



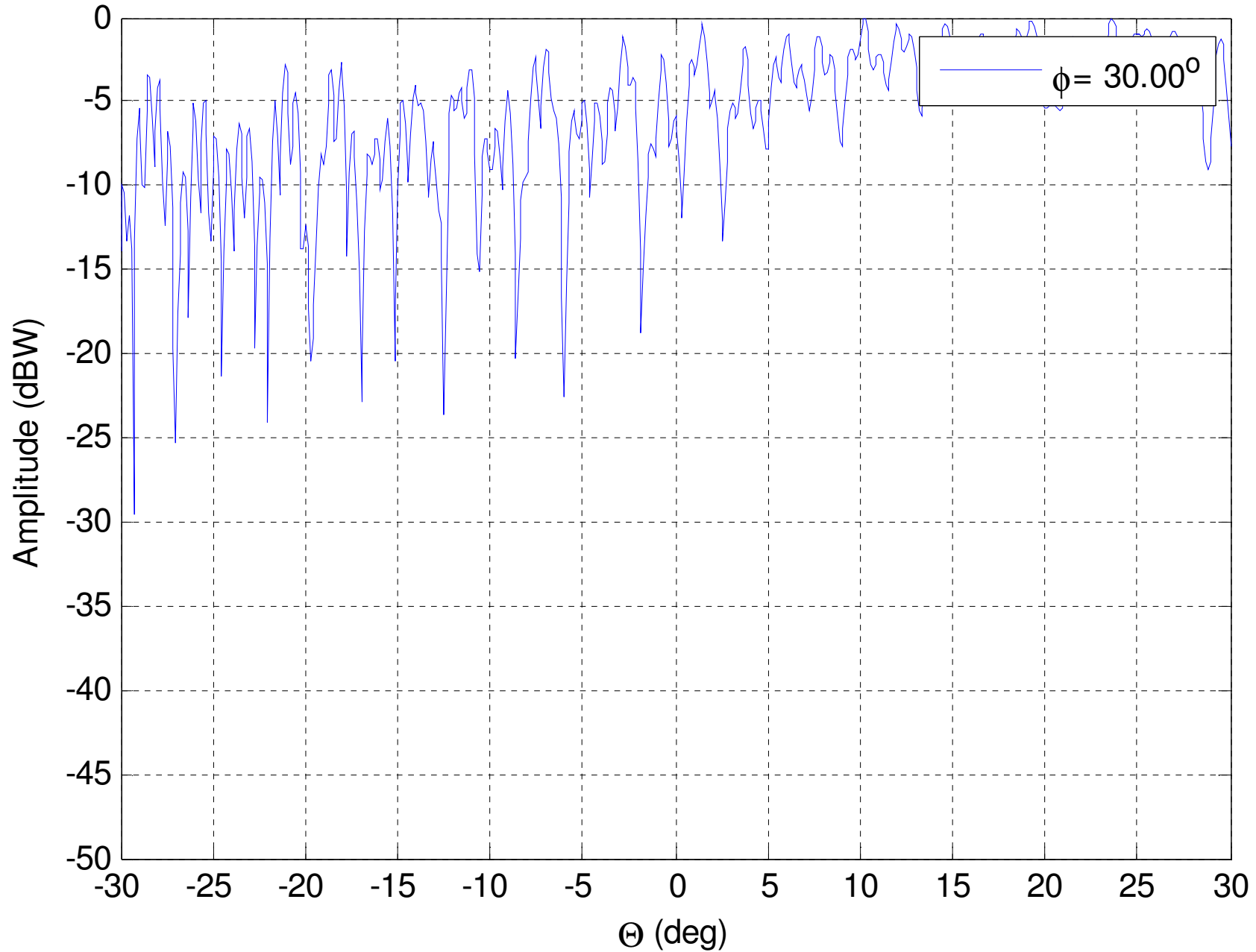
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-20.cut, Peak: -1.27 dBW, Date: 09-Mar-2012



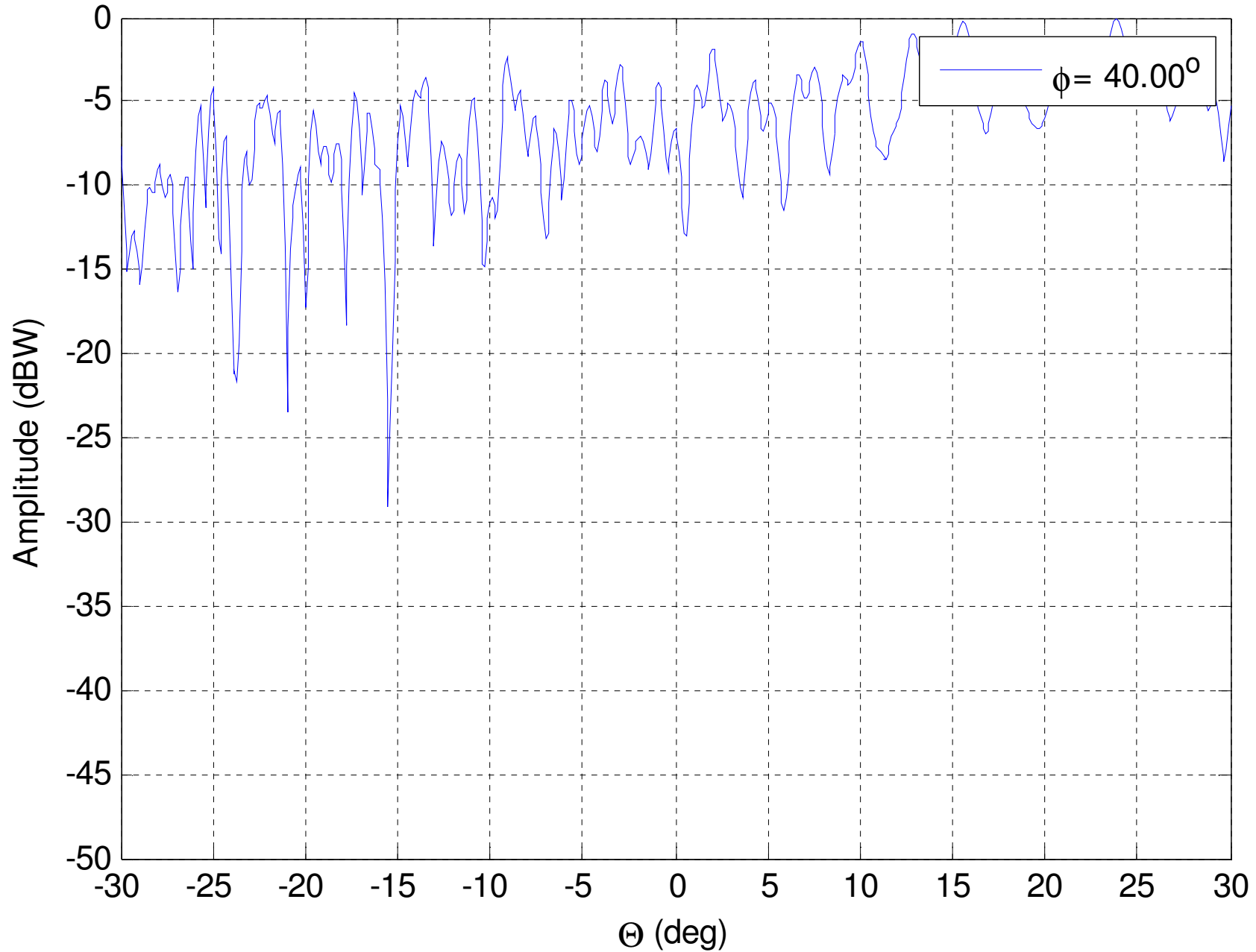
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-30.cut, Peak: -1.93 dBW, Date: 09-Mar-2012



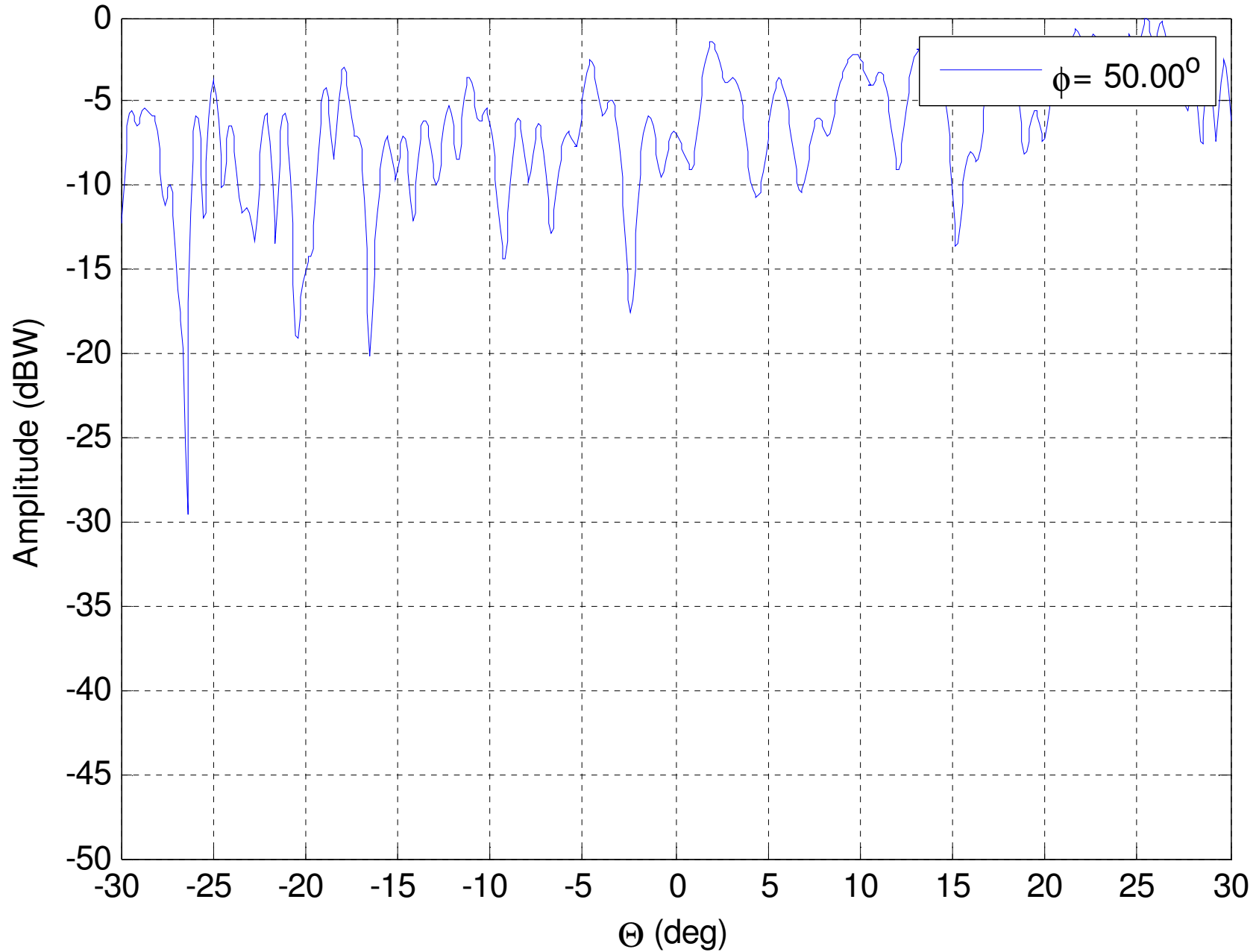
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-40.cut, Peak: -1.22 dBW, Date: 09-Mar-2012



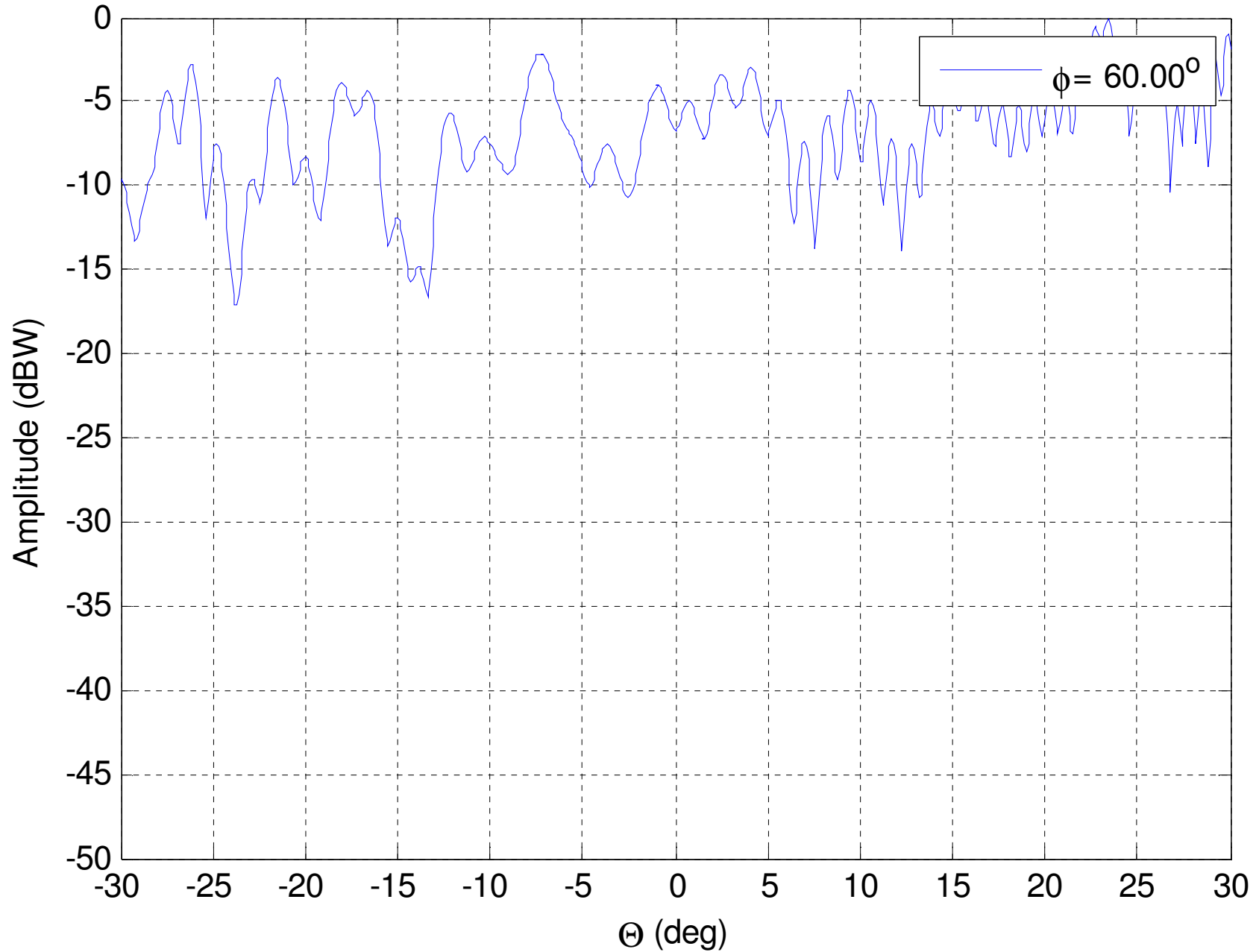
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-50.cut, Peak: -0.98 dBW, Date: 09-Mar-2012



Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-60.cut, Peak: -1.06 dBW, Date: 09-Mar-2012



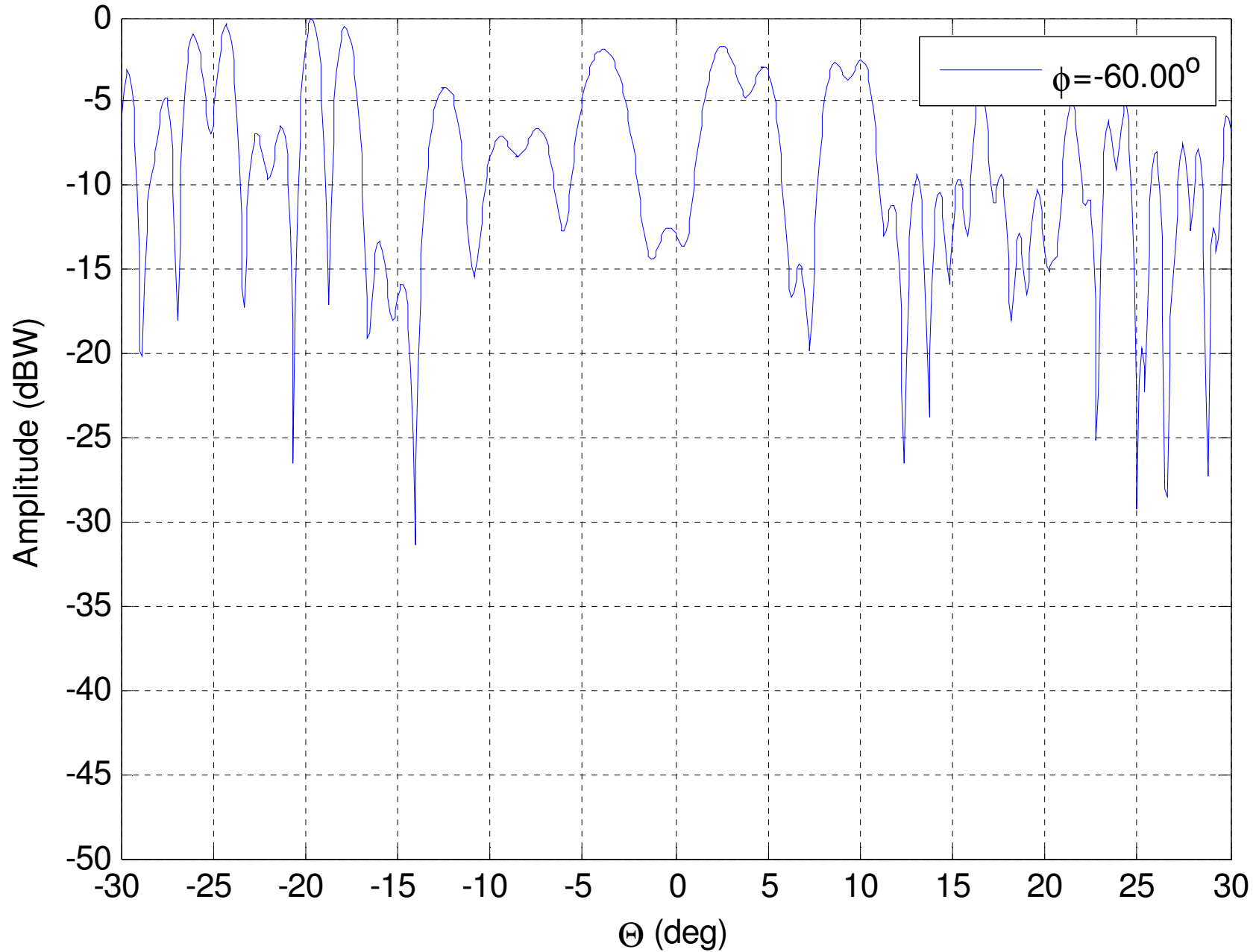
CONUS Beam, +X Axis Plots

- Both polarizations; RHCP, LHCP
- $-30 < \Theta < 30$ ($\Theta=0$: +X -axis)
- $-60 < \phi < 60$
- Freq = 17.305(17.3), 17.5, and 17.695(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 25.0 dBW conversion factor from the amplitude
- All levels are significantly below the required +40.8 dBW EIRP shown on chart 2

RHCP at 17.305 GHz

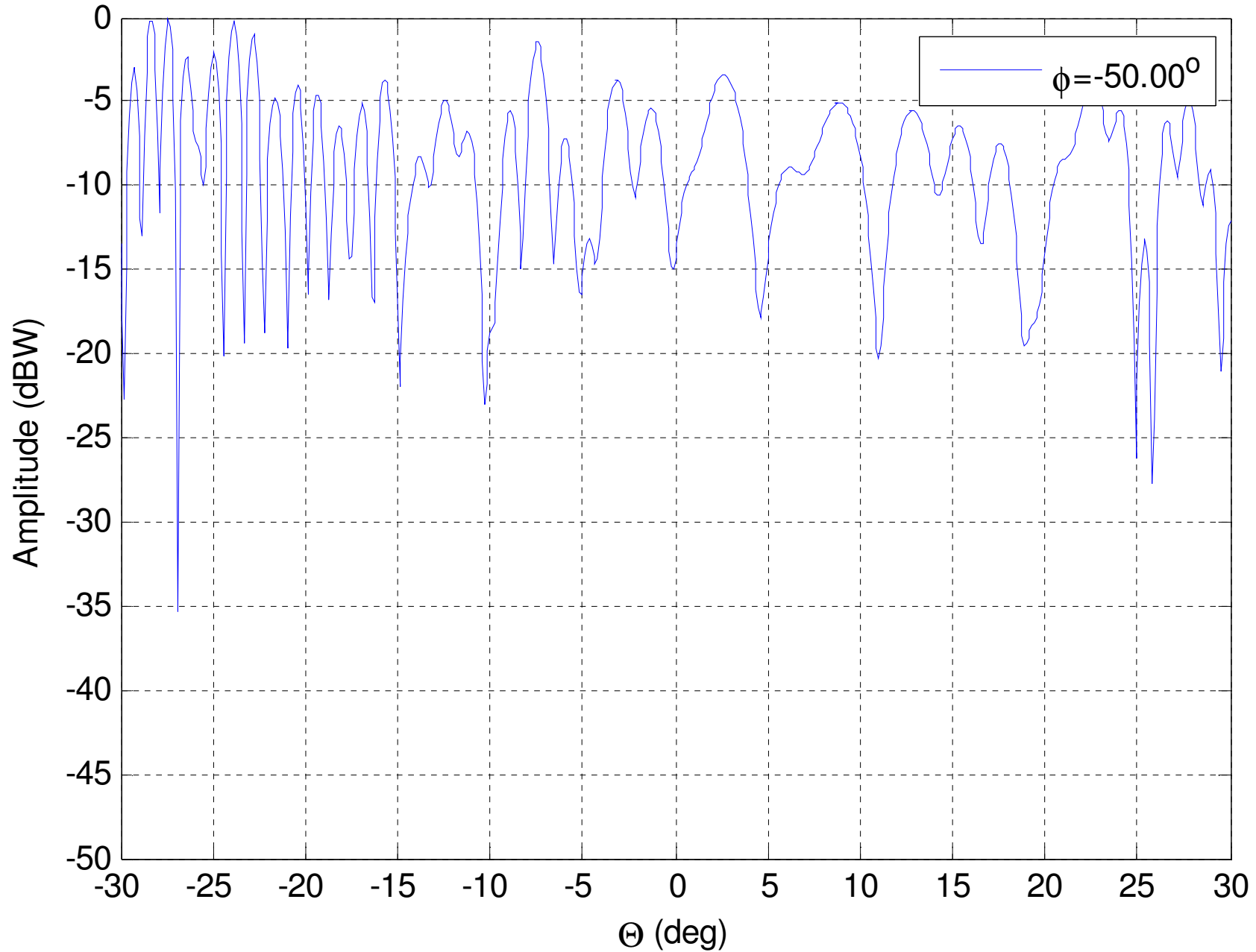
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--60.cut, Peak: -0.00 dBW, Date: 09-Mar-2012



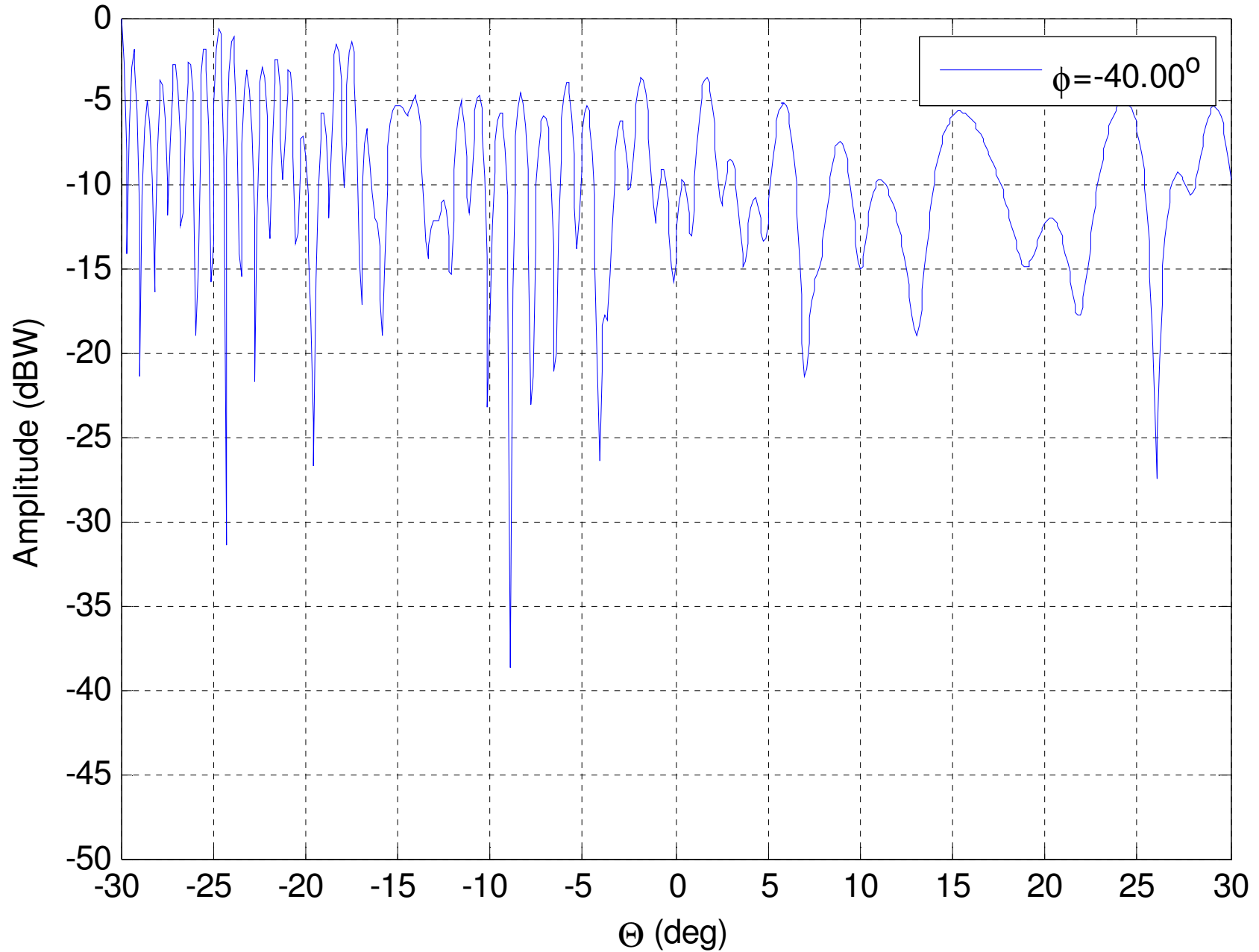
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--50.cut, Peak: 1.61 dBW, Date: 09-Mar-2012



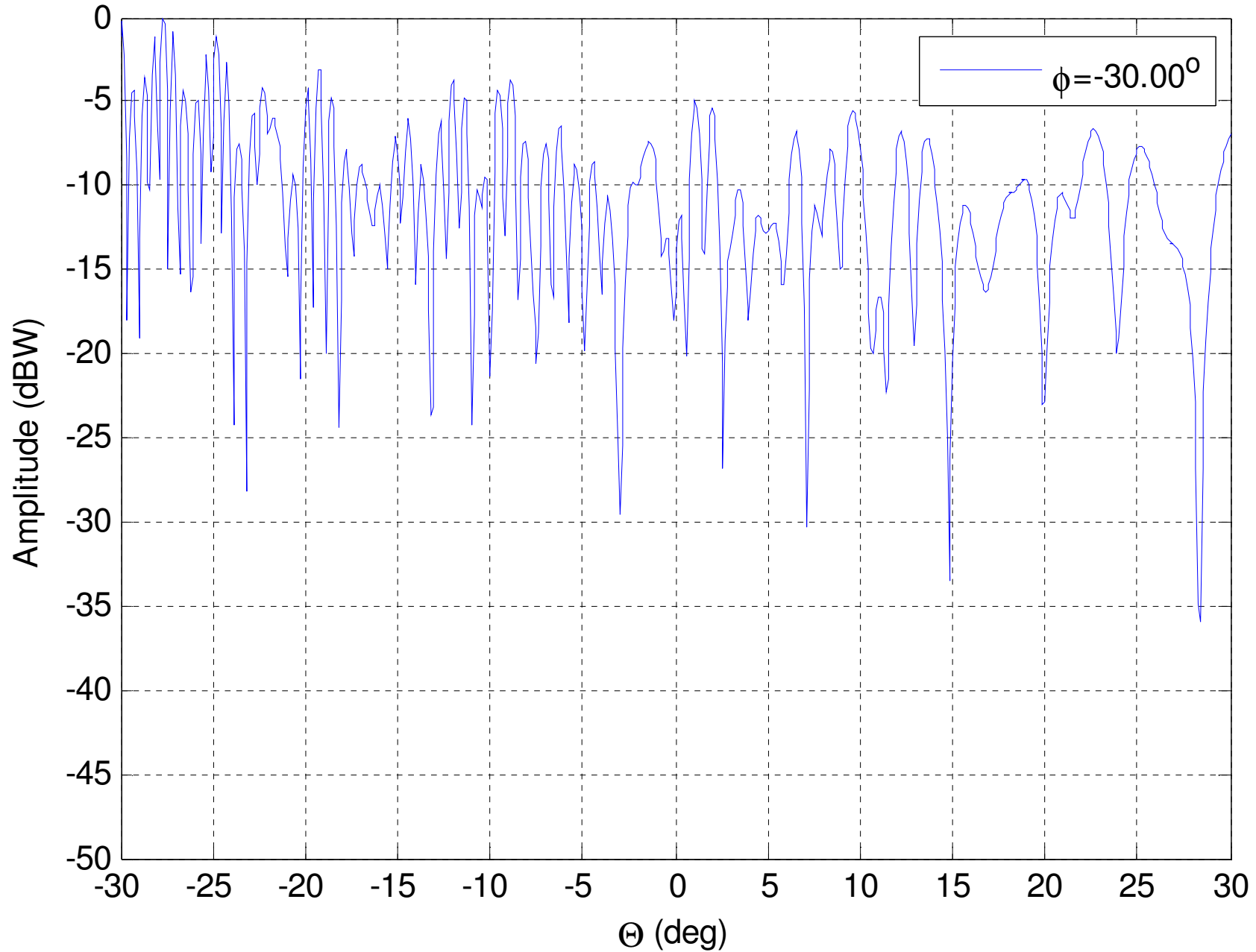
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--40.cut, Peak: 1.67 dBW, Date: 09-Mar-2012



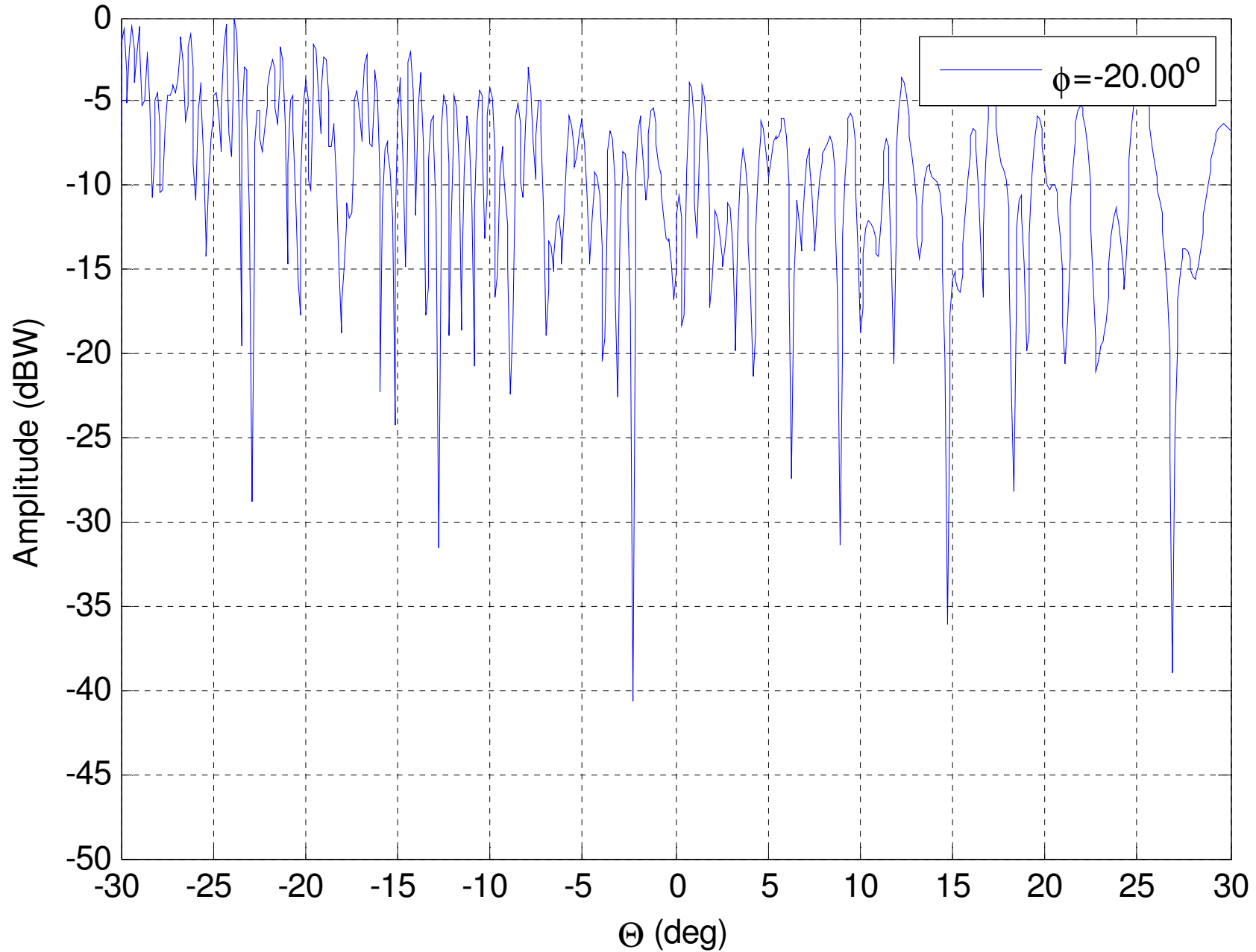
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--30.cut, Peak: 3.55 dBW, Date: 09-Mar-2012



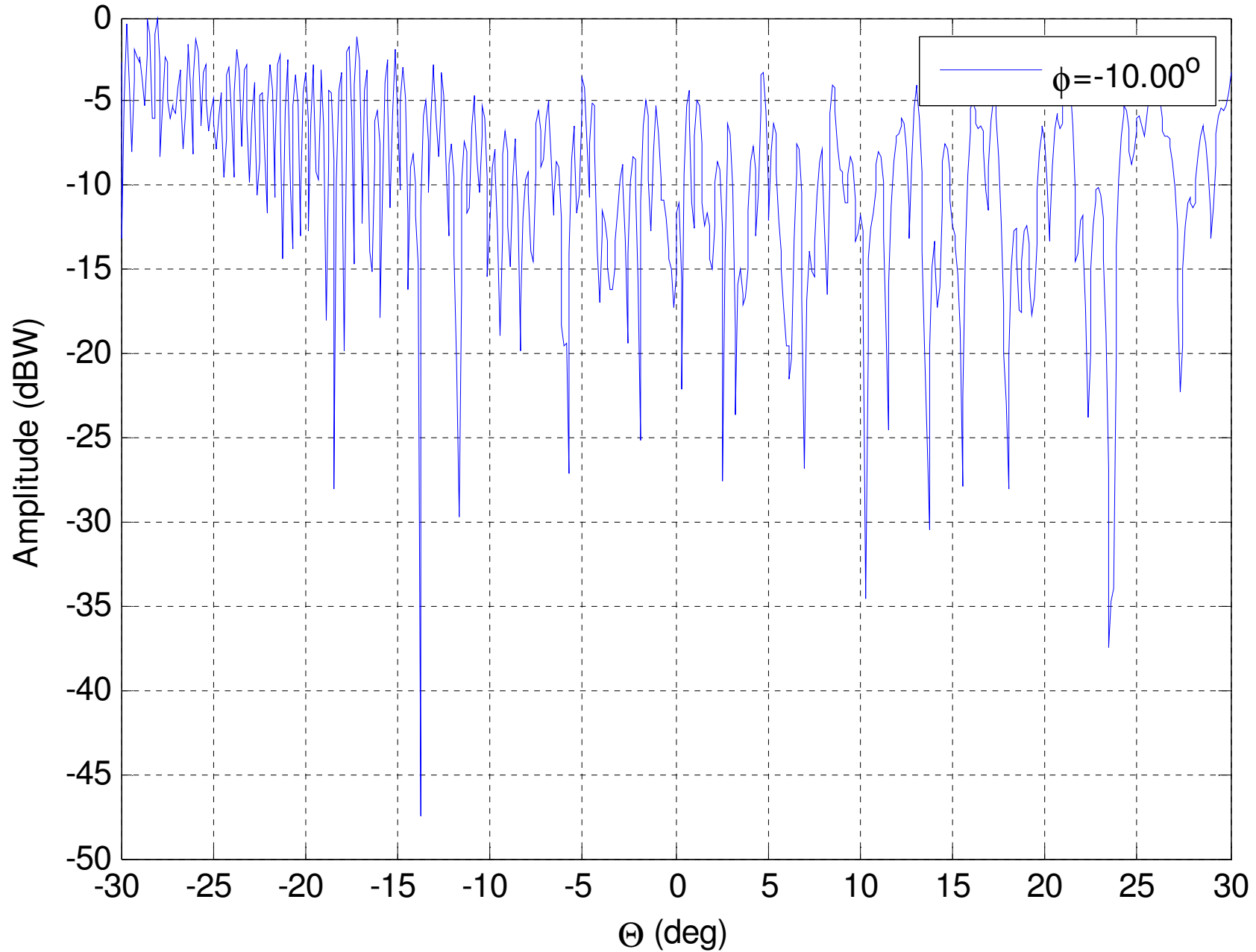
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--20.cut, Peak: 2.20 dBW, Date: 09-Mar-2012



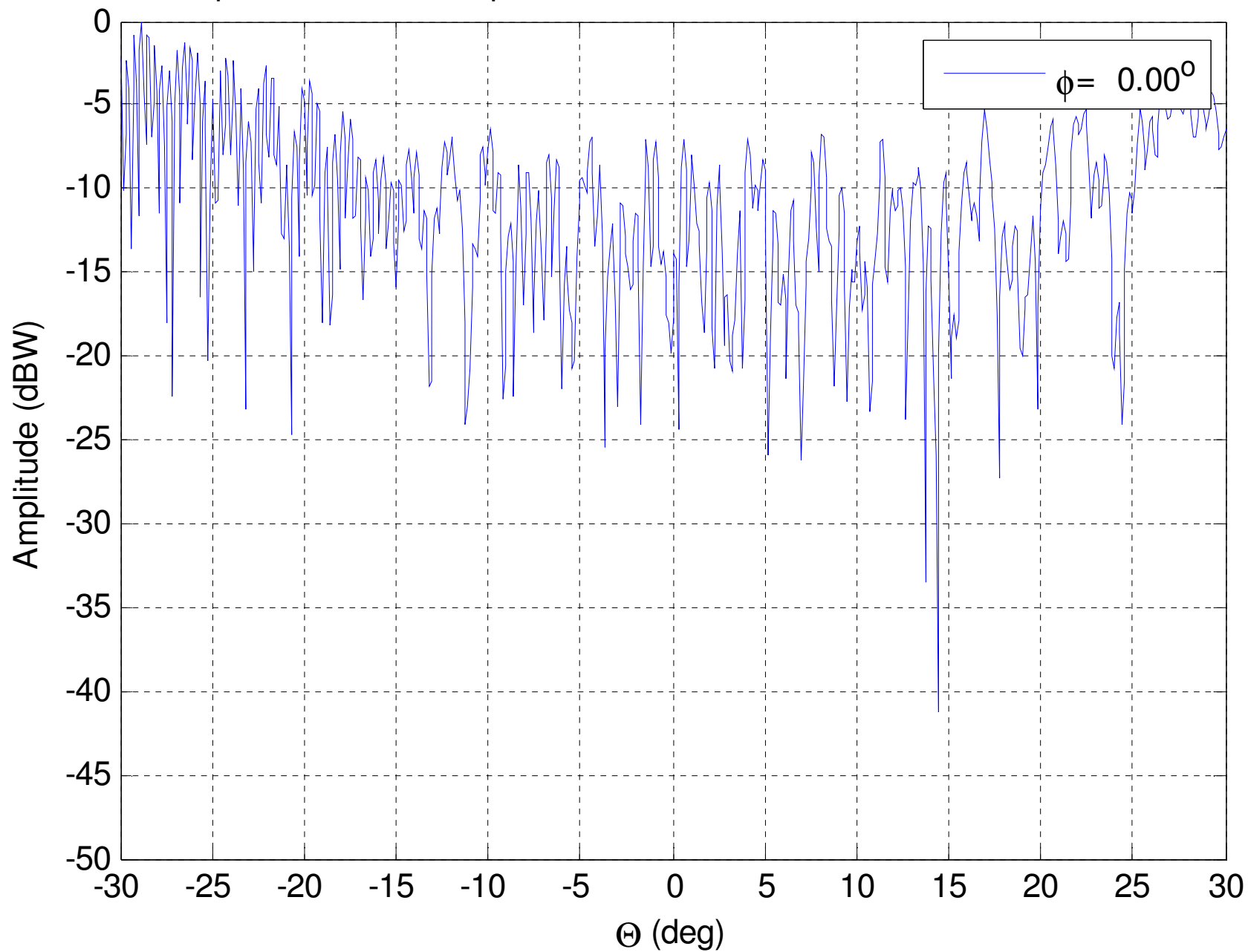
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--10.cut, Peak: 2.41 dBW, Date: 09-Mar-2012



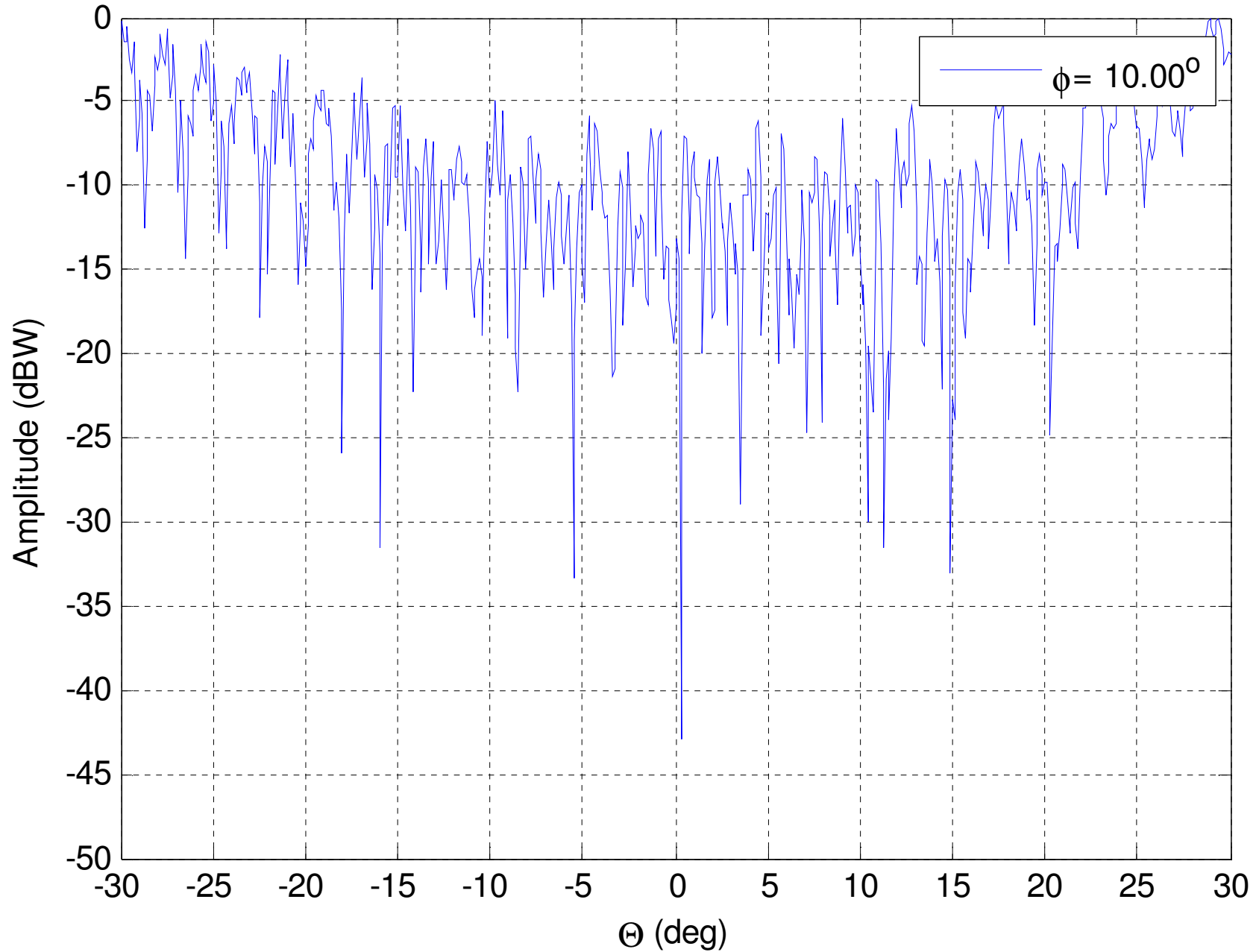
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-0.cut, Peak: 4.91 dBW, Date: 09-Mar-2012



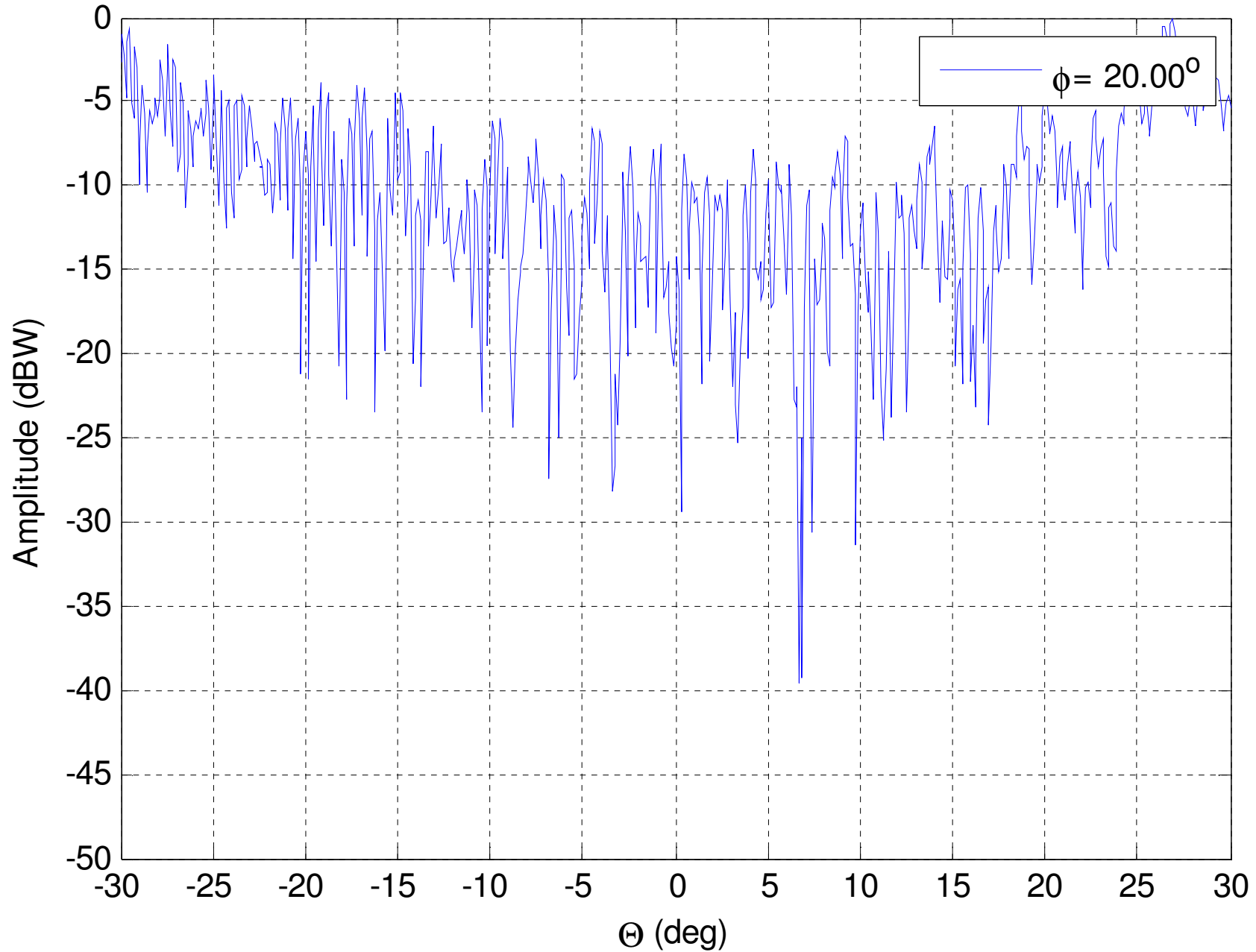
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-10.cut, Peak: 4.25 dBW, Date: 09-Mar-2012



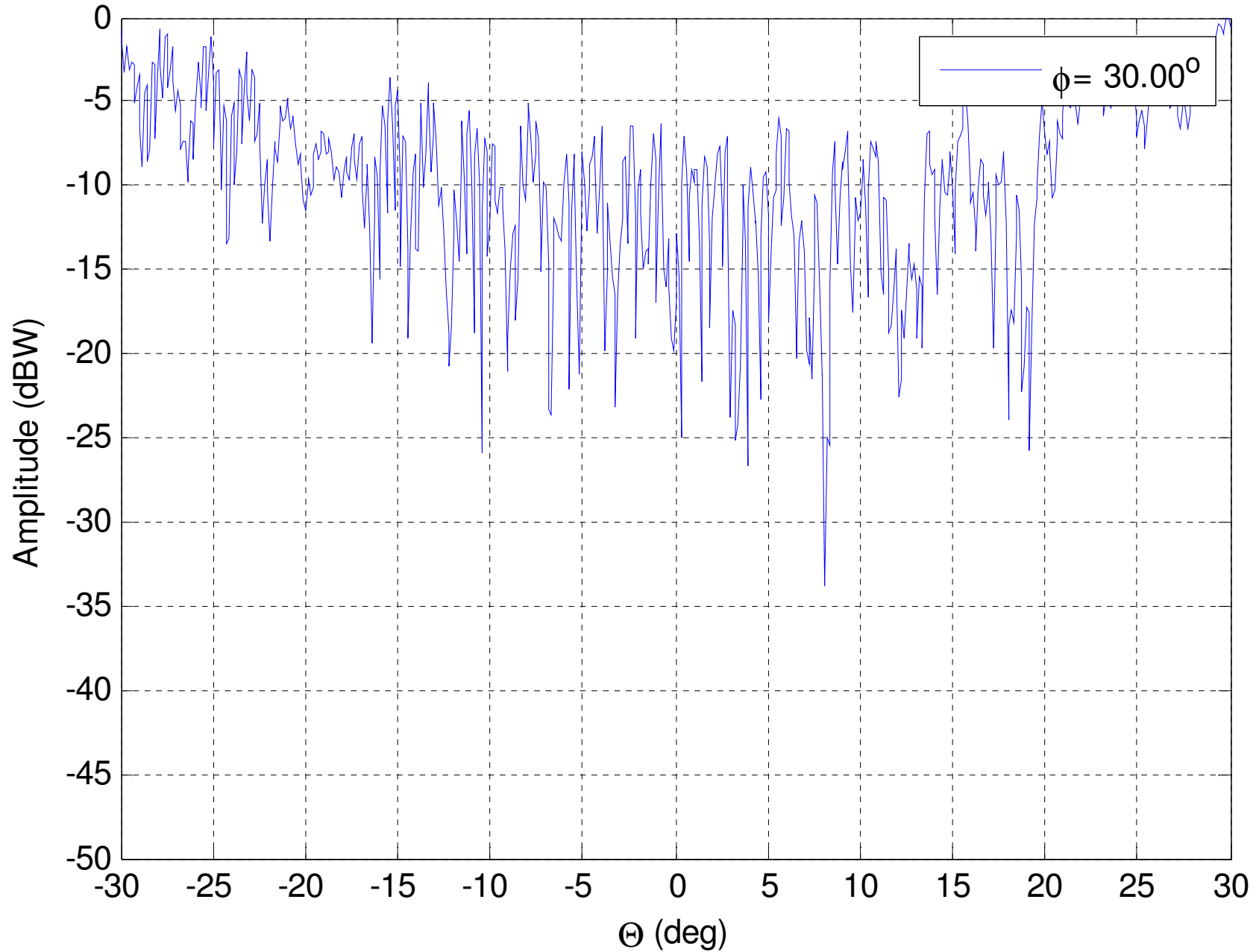
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-20.cut, Peak: 5.33 dBW, Date: 09-Mar-2012



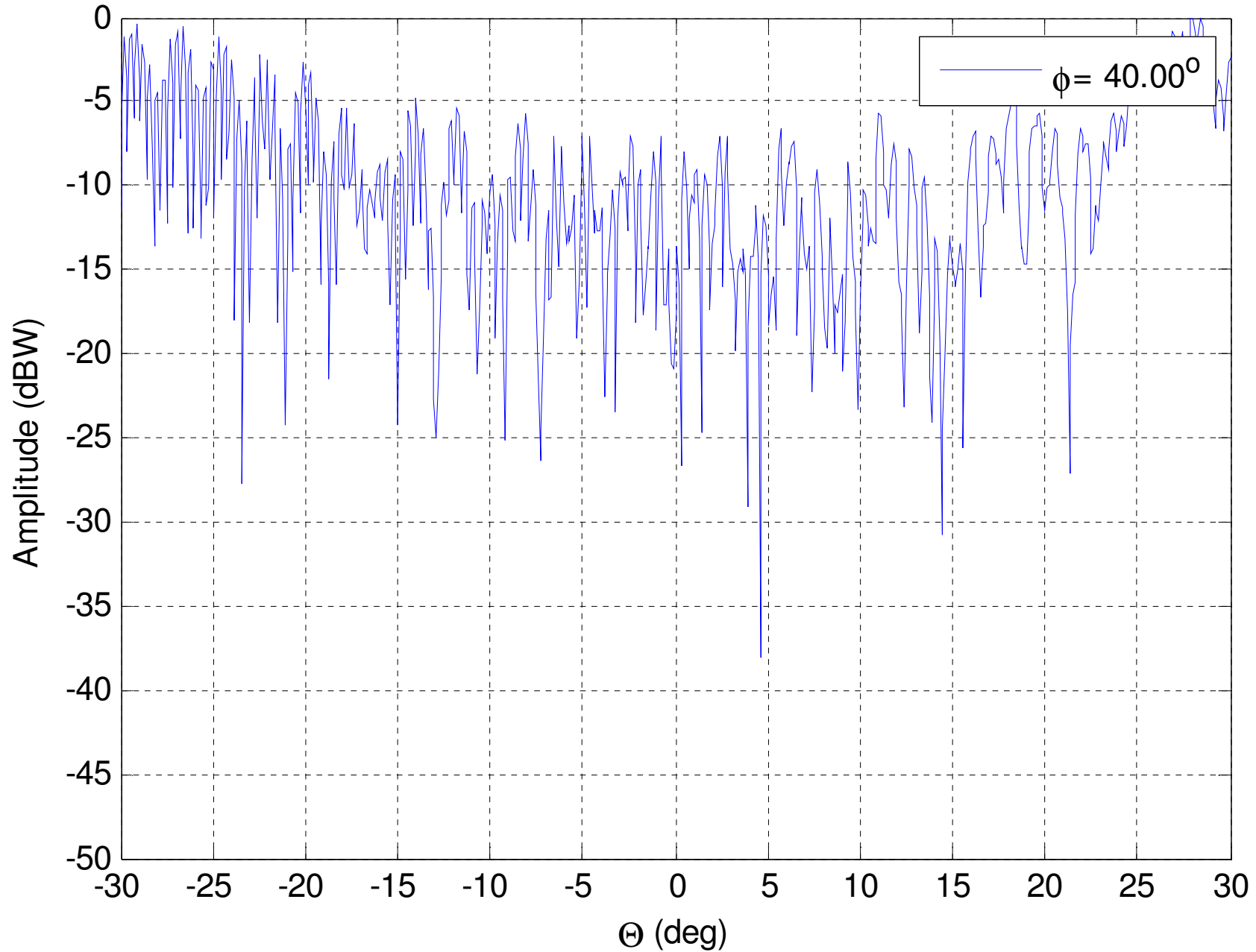
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-30.cut, Peak: 3.99 dBW, Date: 09-Mar-2012



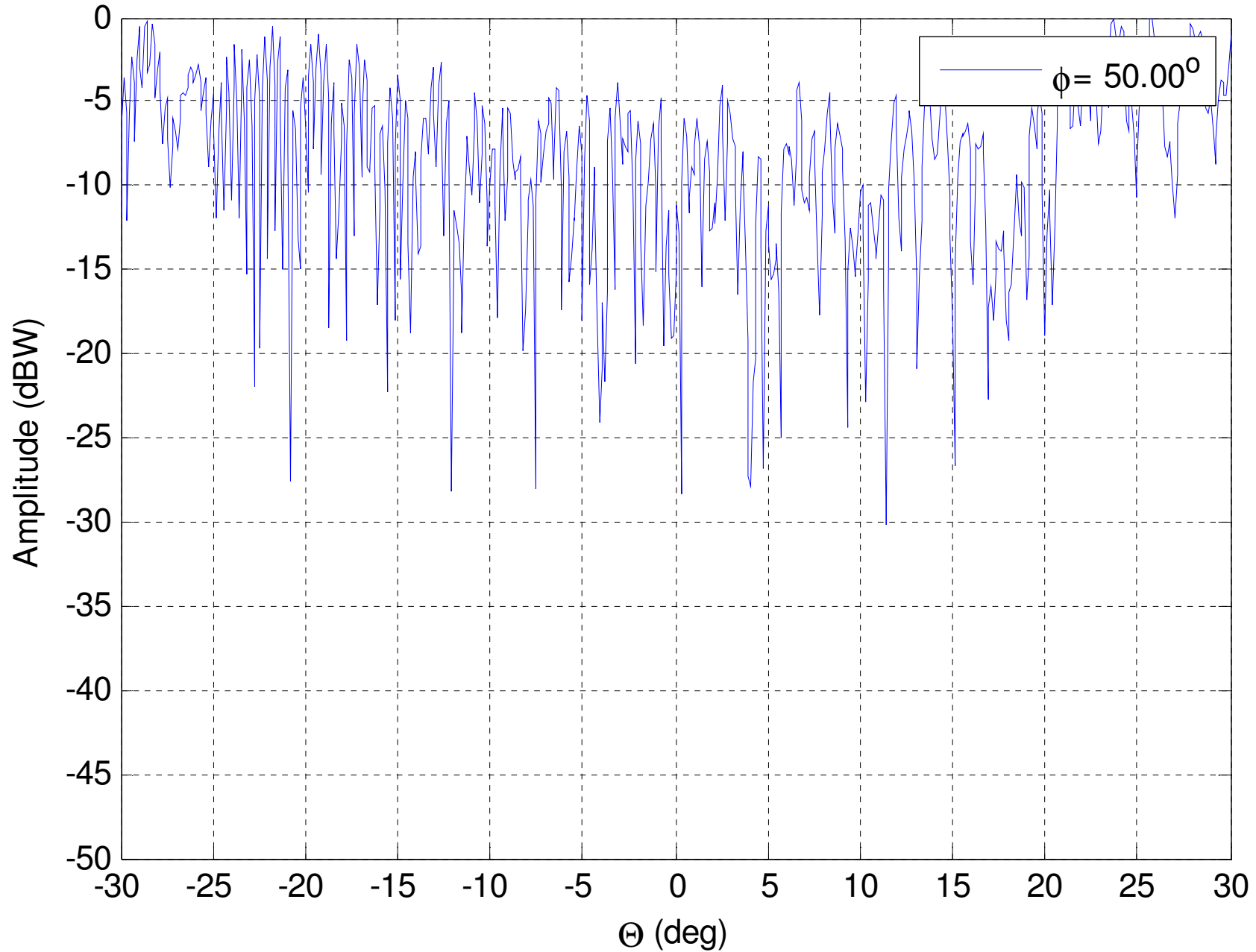
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-40.cut, Peak: 4.66 dBW, Date: 09-Mar-2012



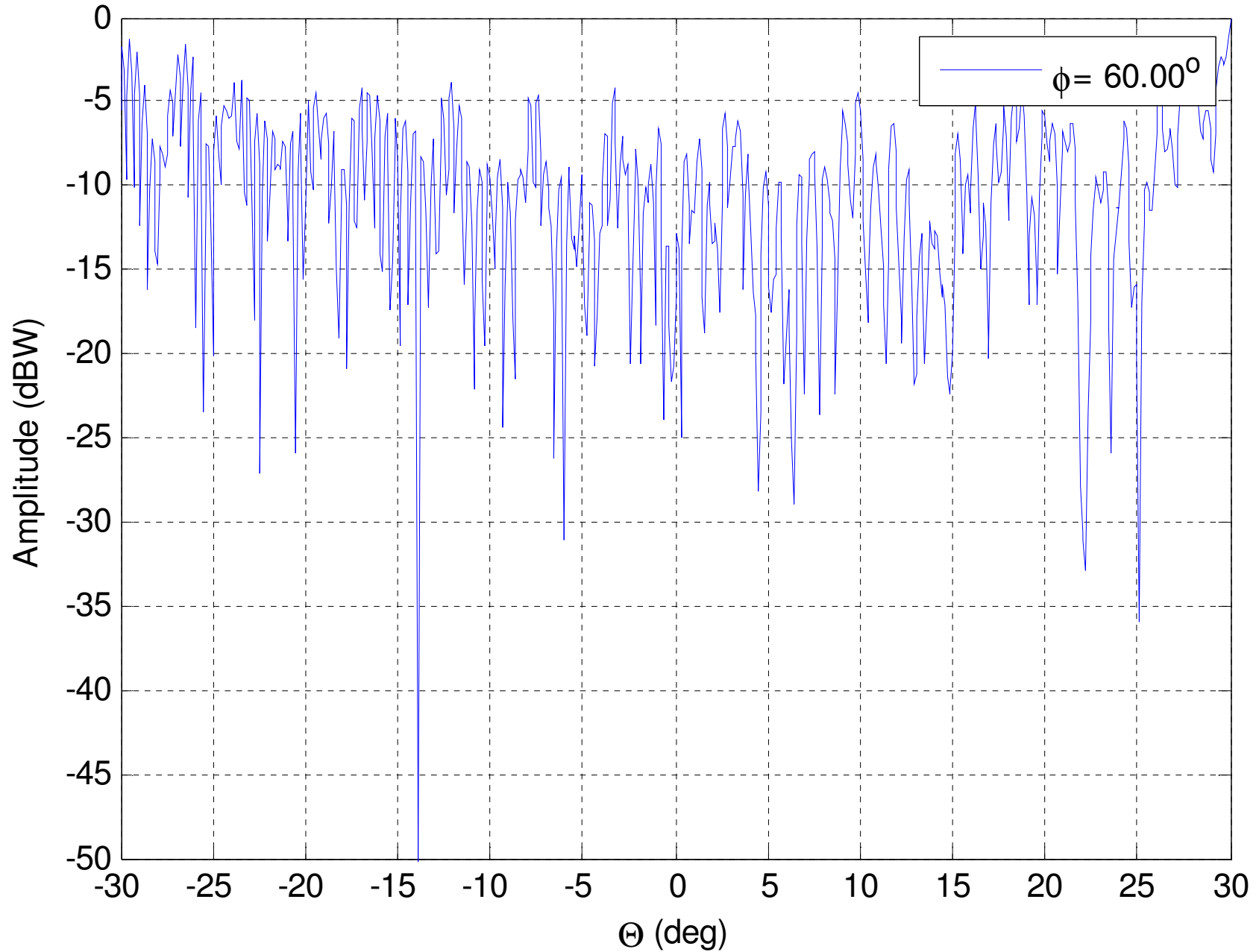
Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-50.cut, Peak: 2.17 dBW, Date: 09-Mar-2012



Normalized pattern cuts - farfield

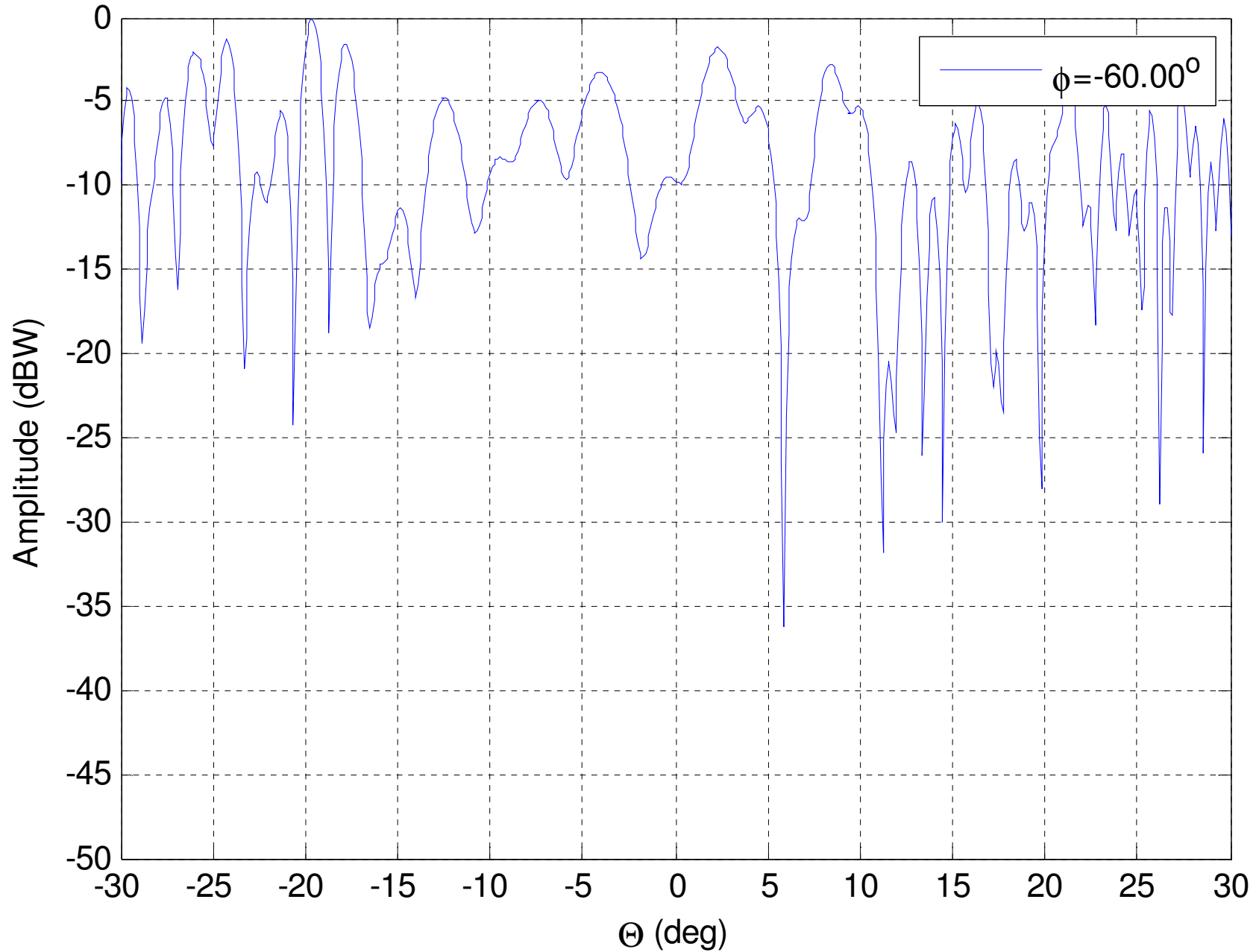
Input file: tx-17.3-rhcp-60.cut, Peak: 3.66 dBW, Date: 09-Mar-2012



LHCP at 17.305 GHz

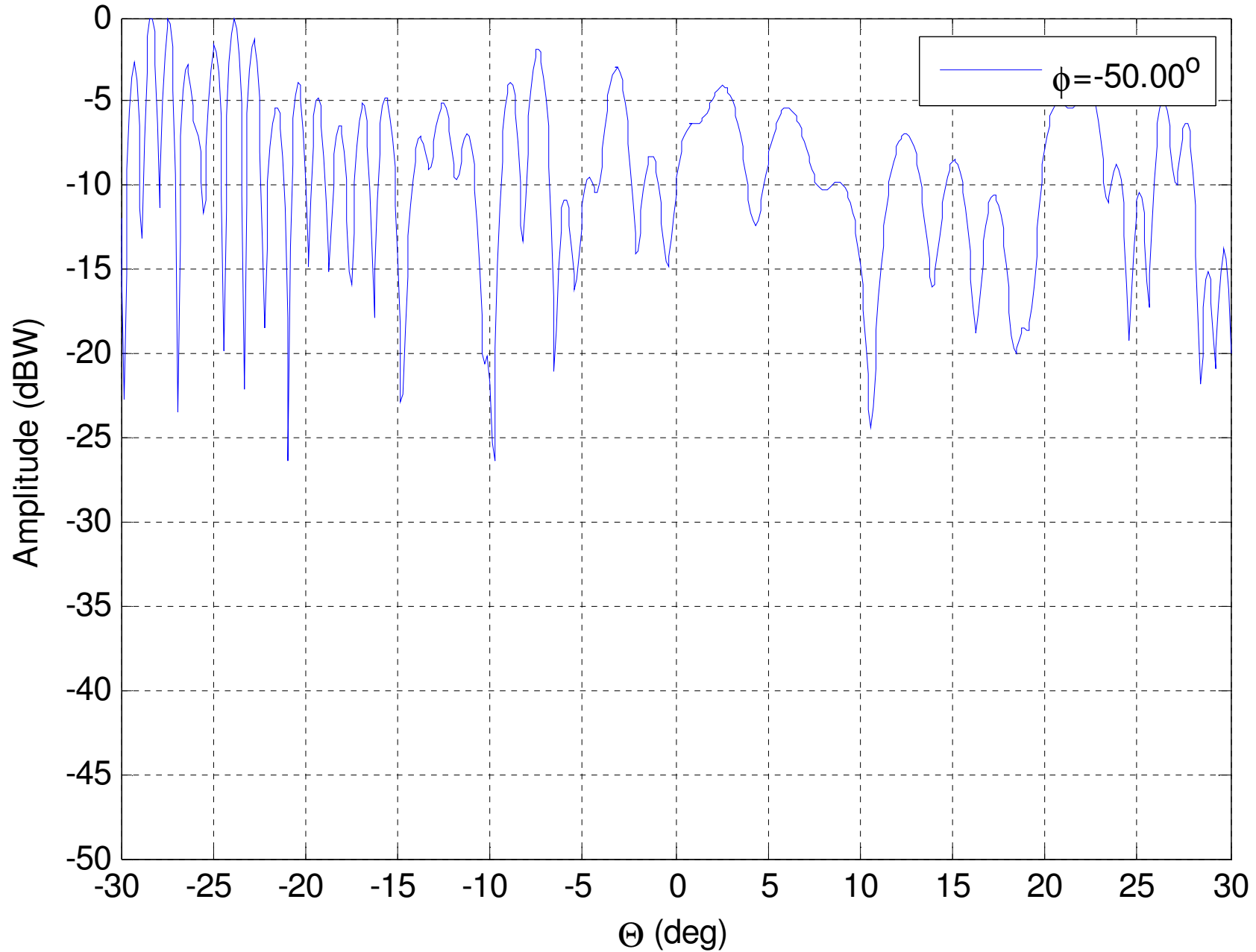
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--60.cut, Peak: 0.61 dBW, Date: 09-Mar-2012



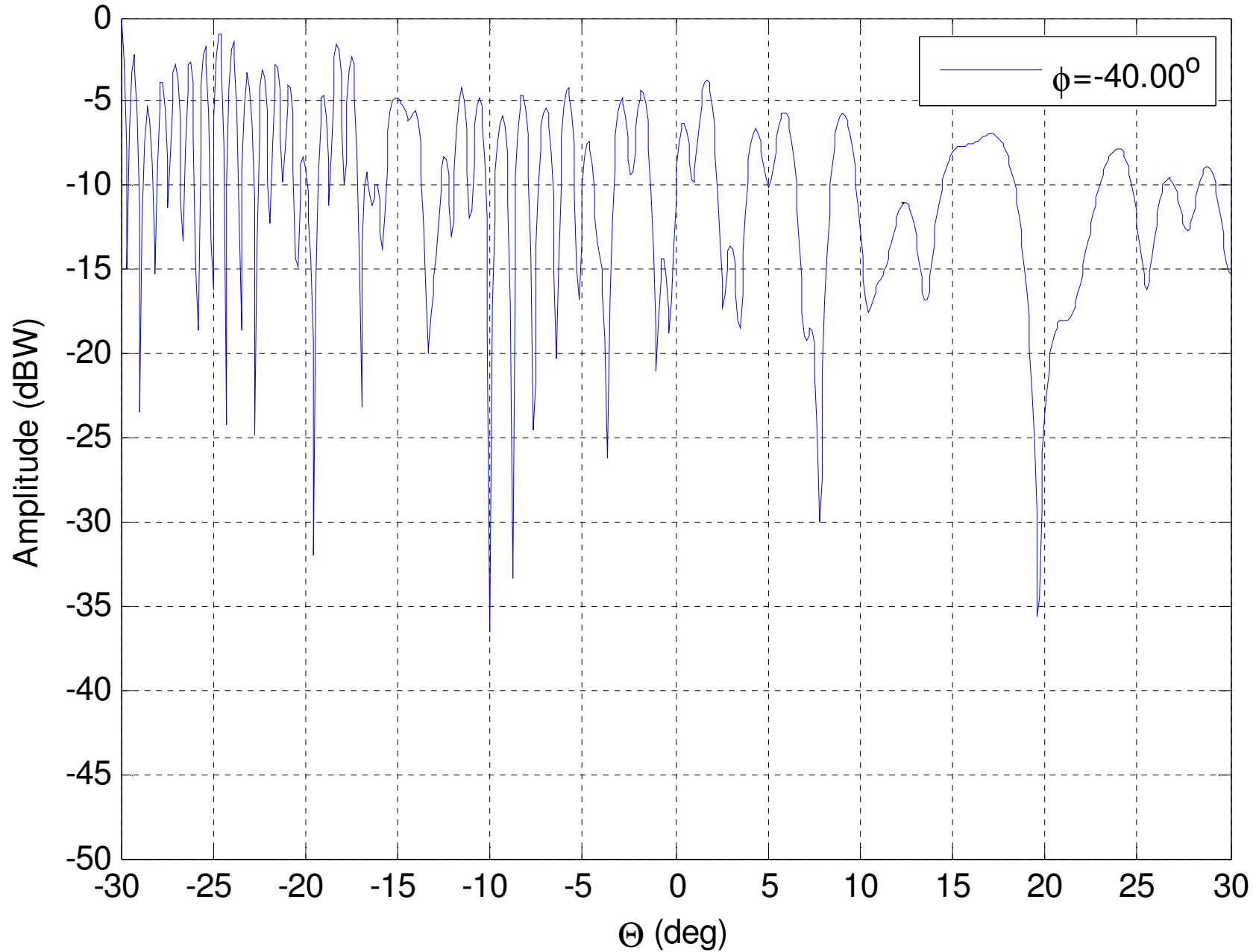
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--50.cut, Peak: 1.55 dBW, Date: 09-Mar-2012



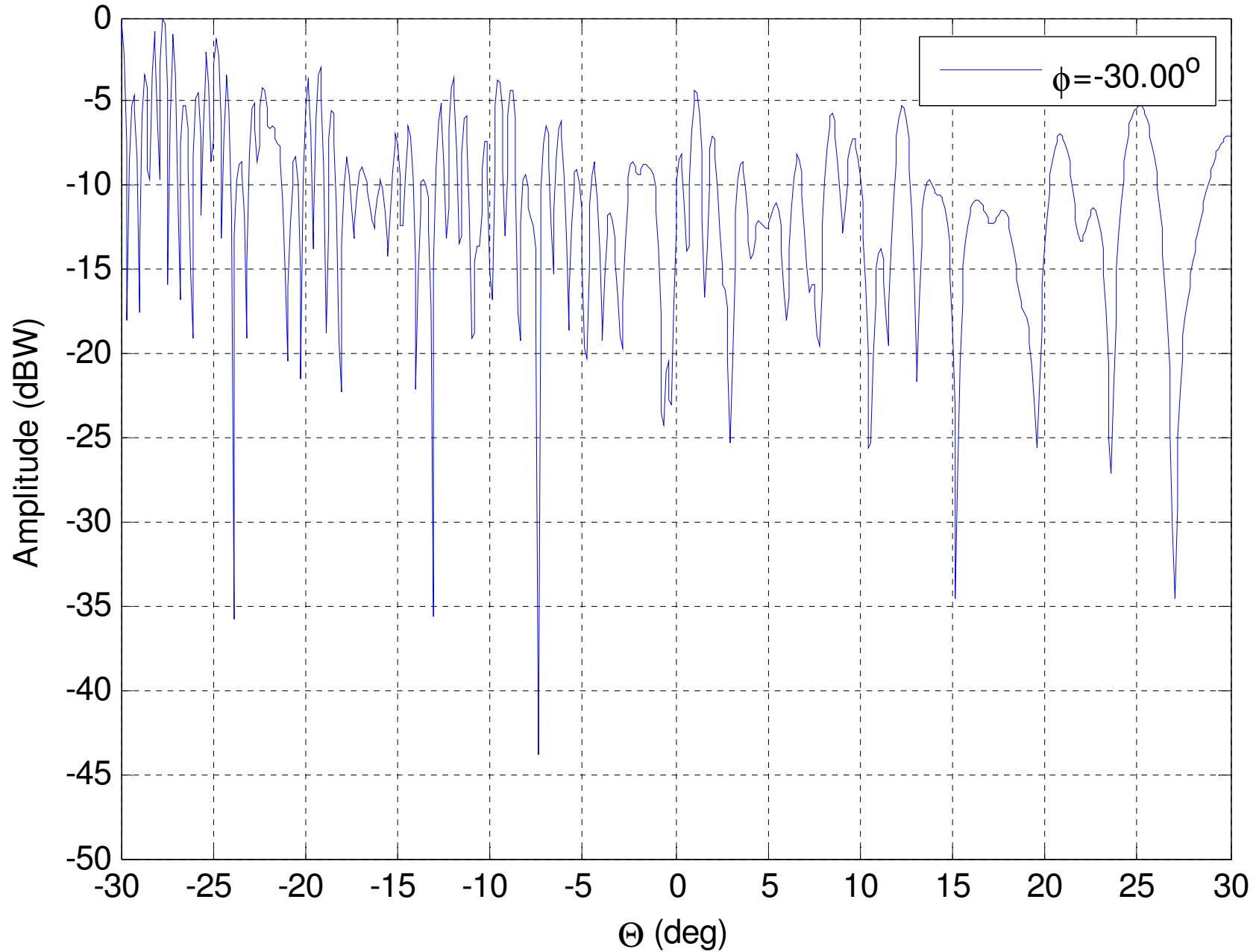
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--40.cut, Peak: 1.75 dBW, Date: 09-Mar-2012



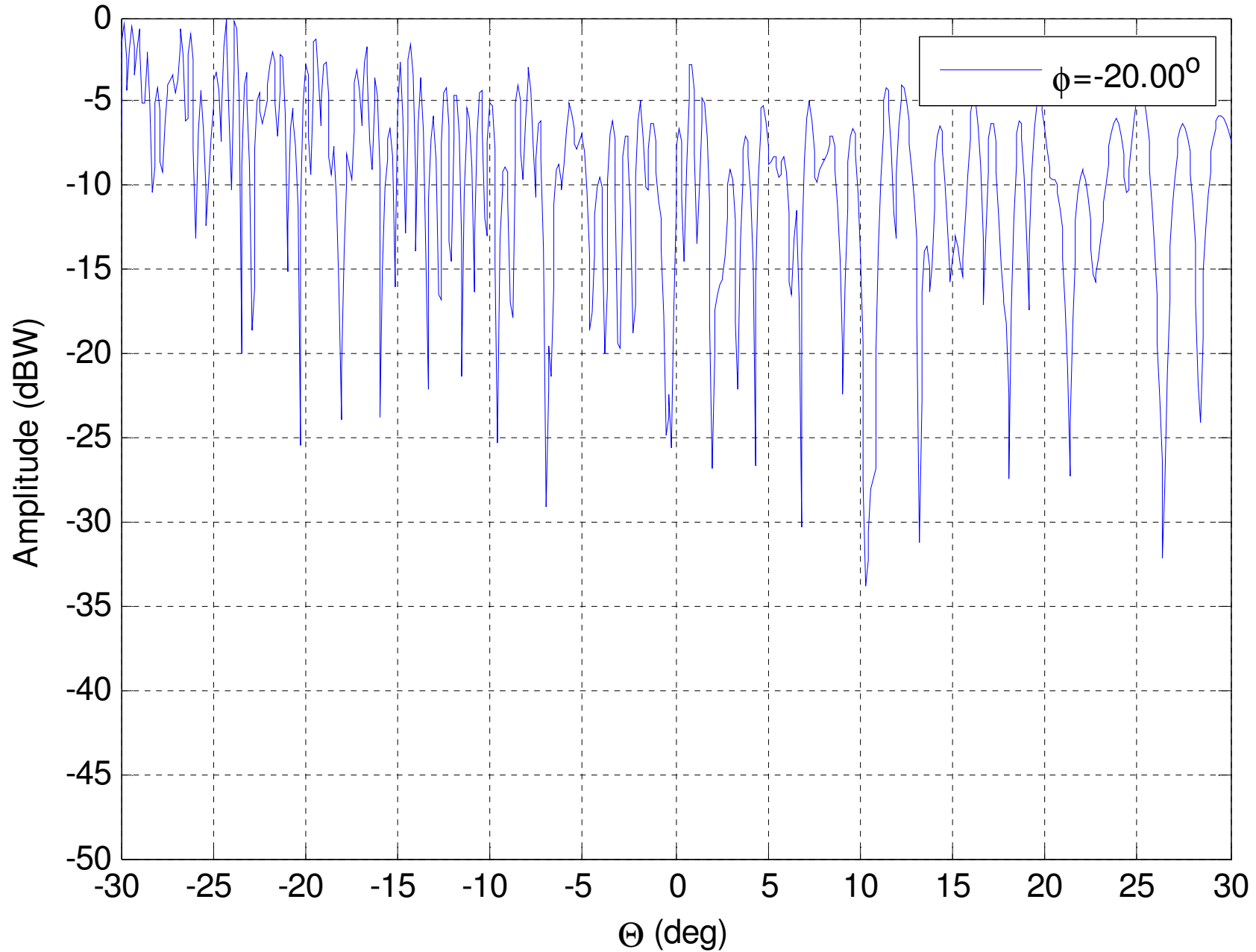
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--30.cut, Peak: 3.54 dBW, Date: 09-Mar-2012



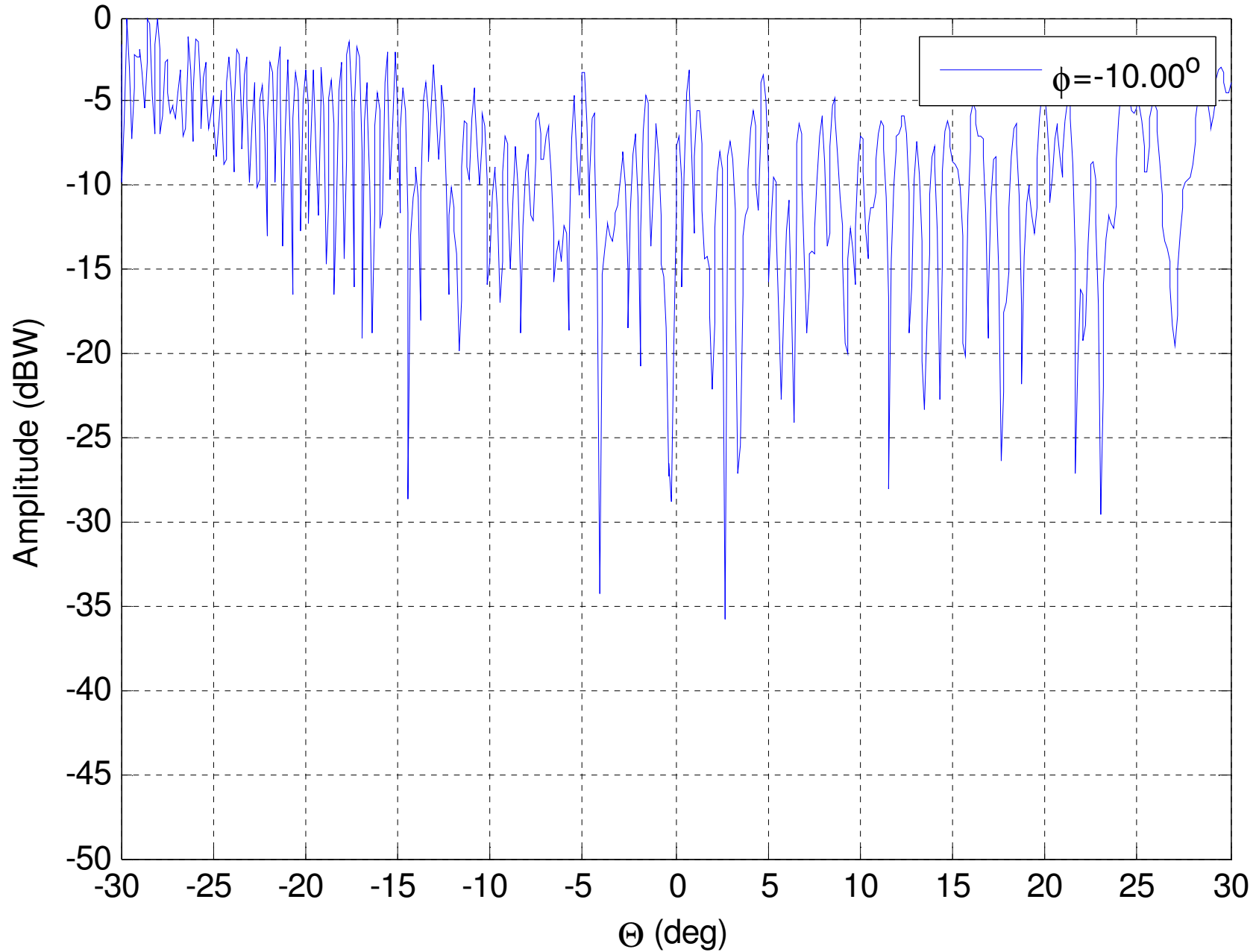
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--20.cut, Peak: 1.92 dBW, Date: 09-Mar-2012



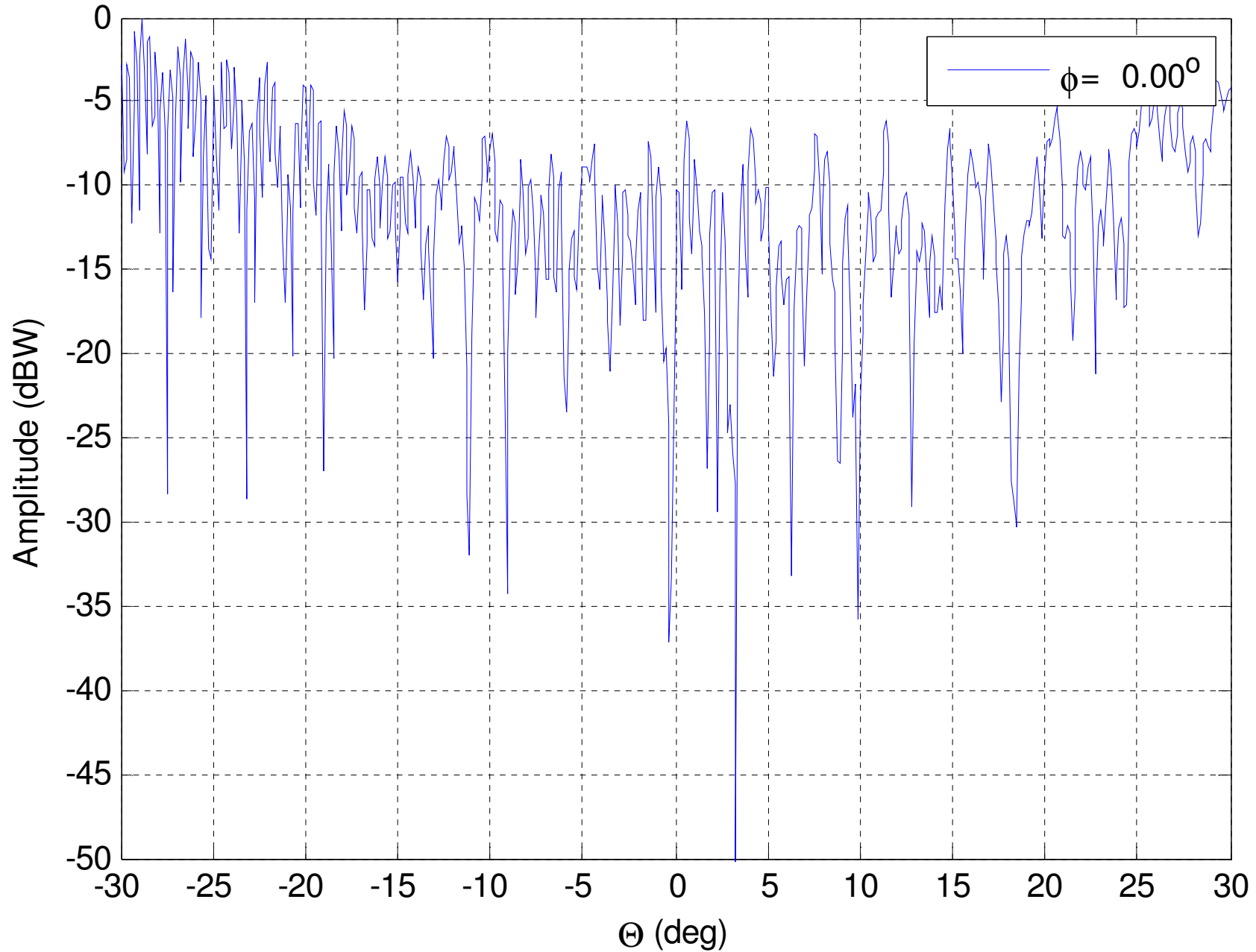
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--10.cut, Peak: 2.27 dBW, Date: 09-Mar-2012



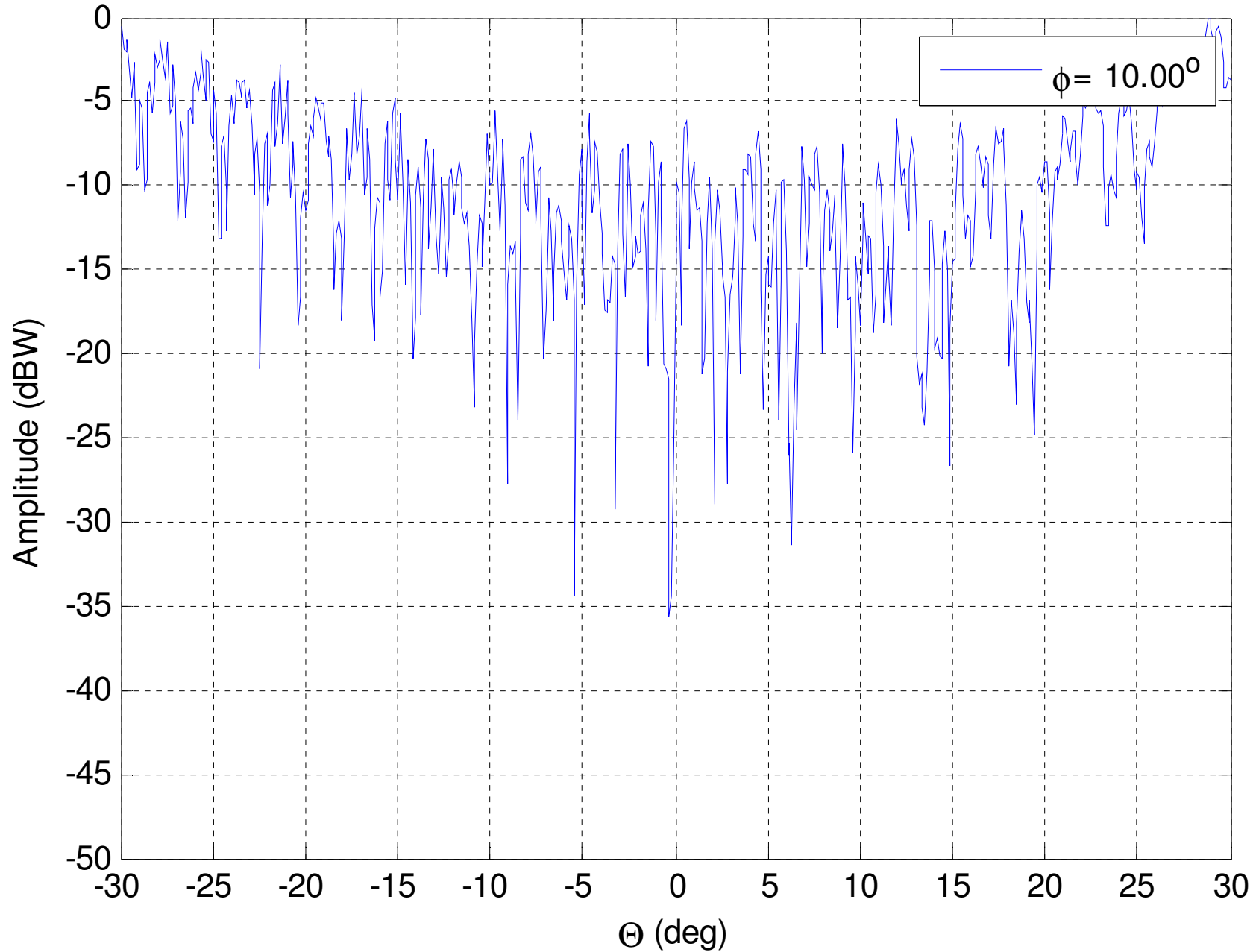
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-0.cut, Peak: 5.13 dBW, Date: 09-Mar-2012



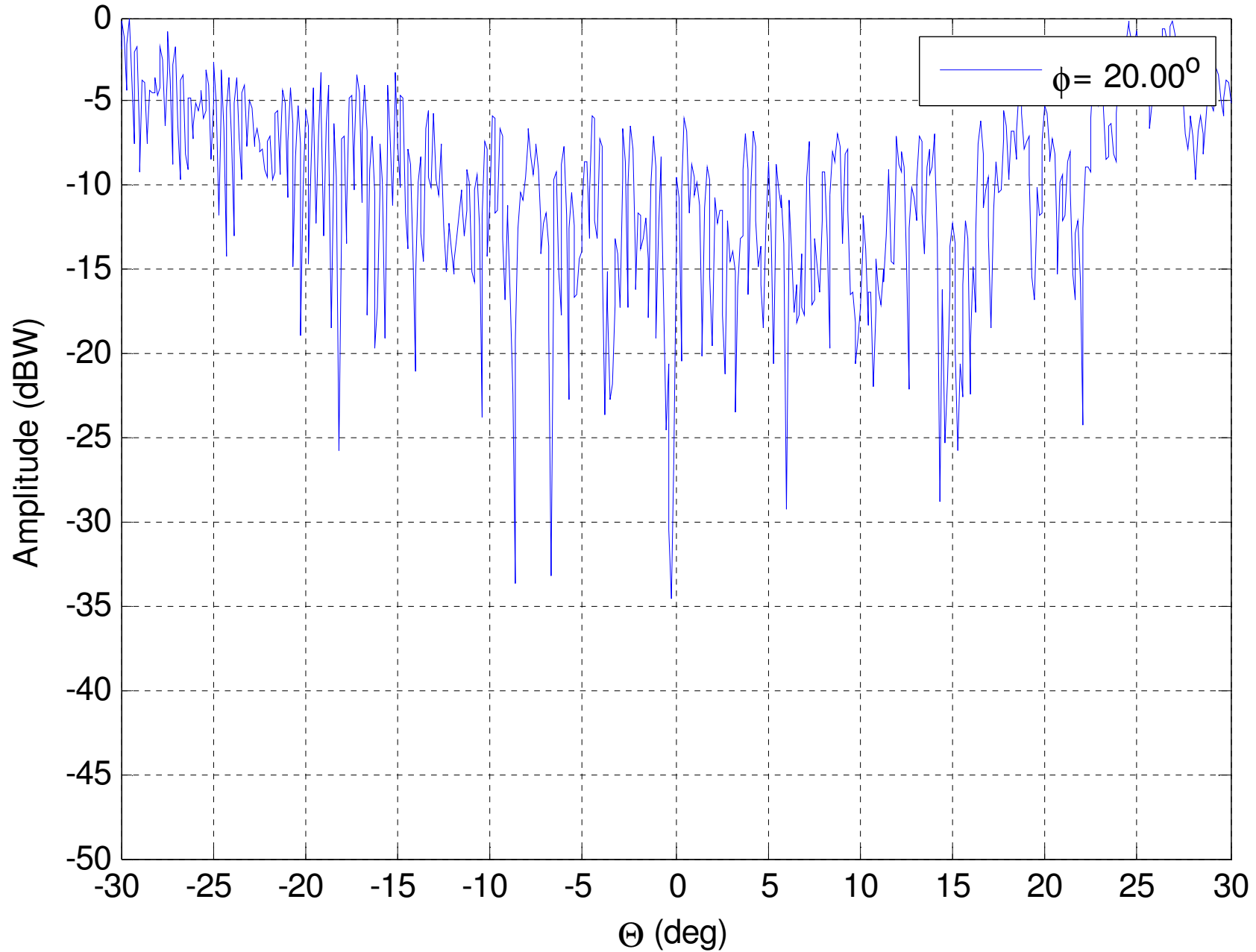
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-10.cut, Peak: 4.70 dBW, Date: 09-Mar-2012



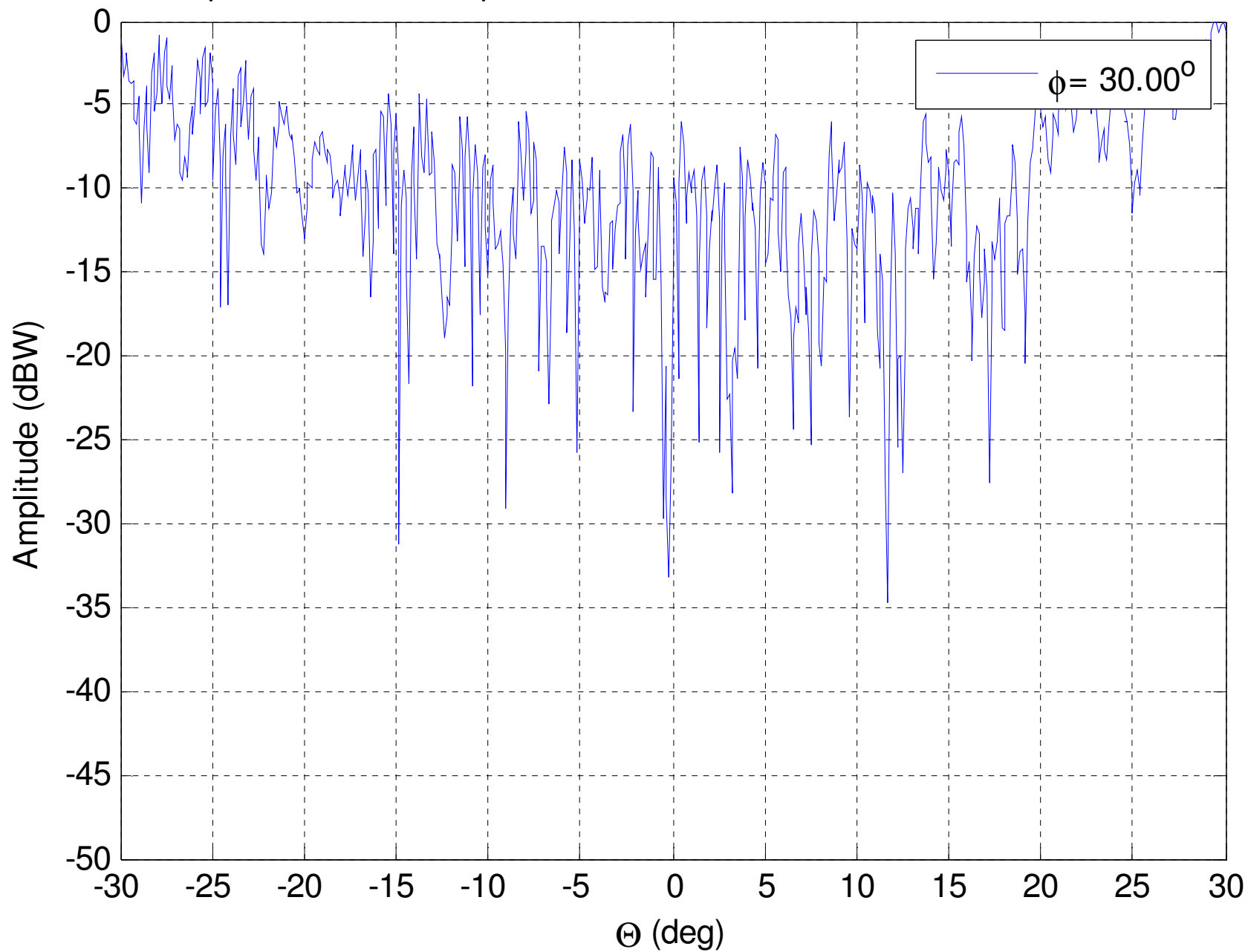
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-20.cut, Peak: 4.45 dBW, Date: 09-Mar-2012



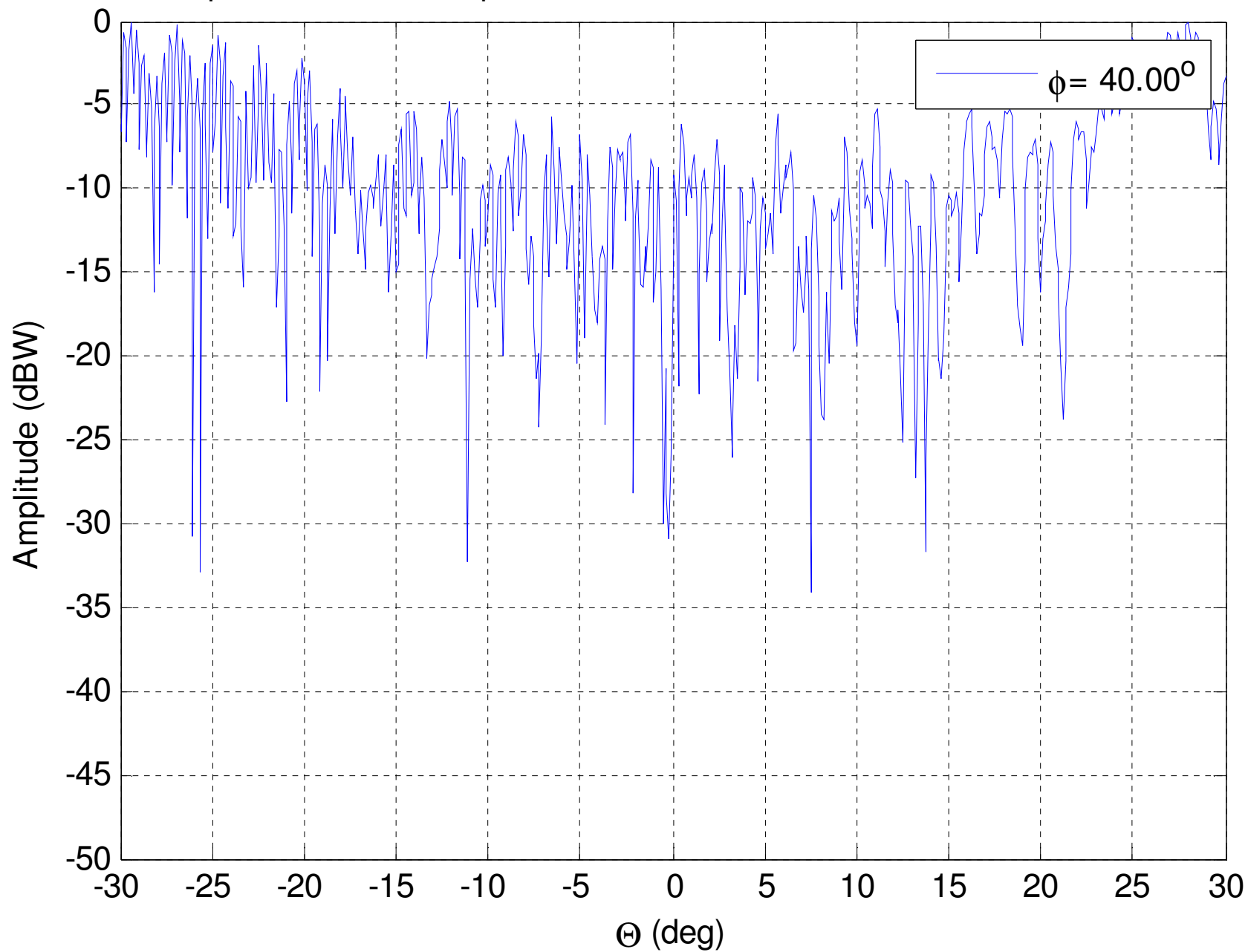
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-30.cut, Peak: 4.33 dBW, Date: 09-Mar-2012



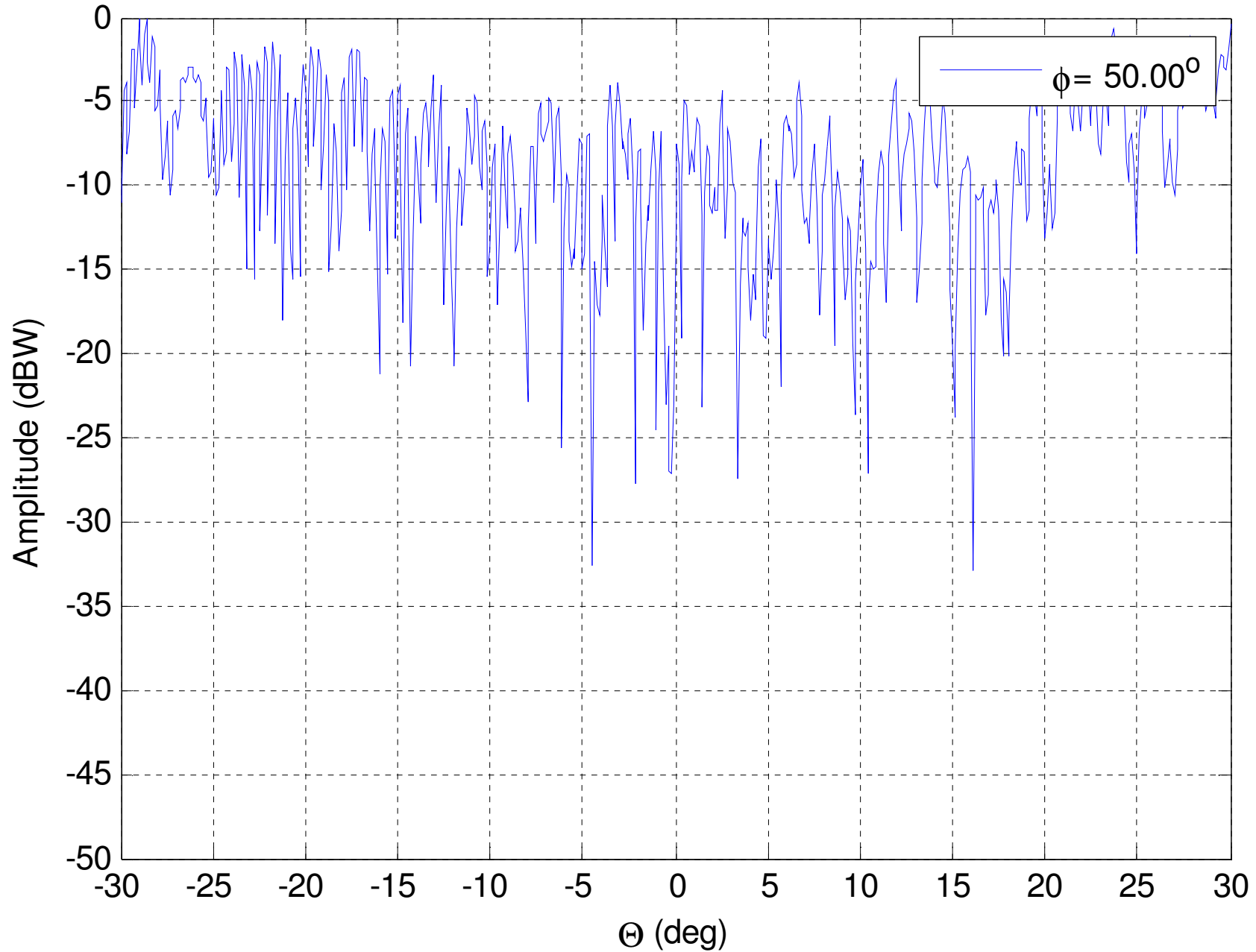
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-40.cut, Peak: 4.20 dBW, Date: 09-Mar-2012



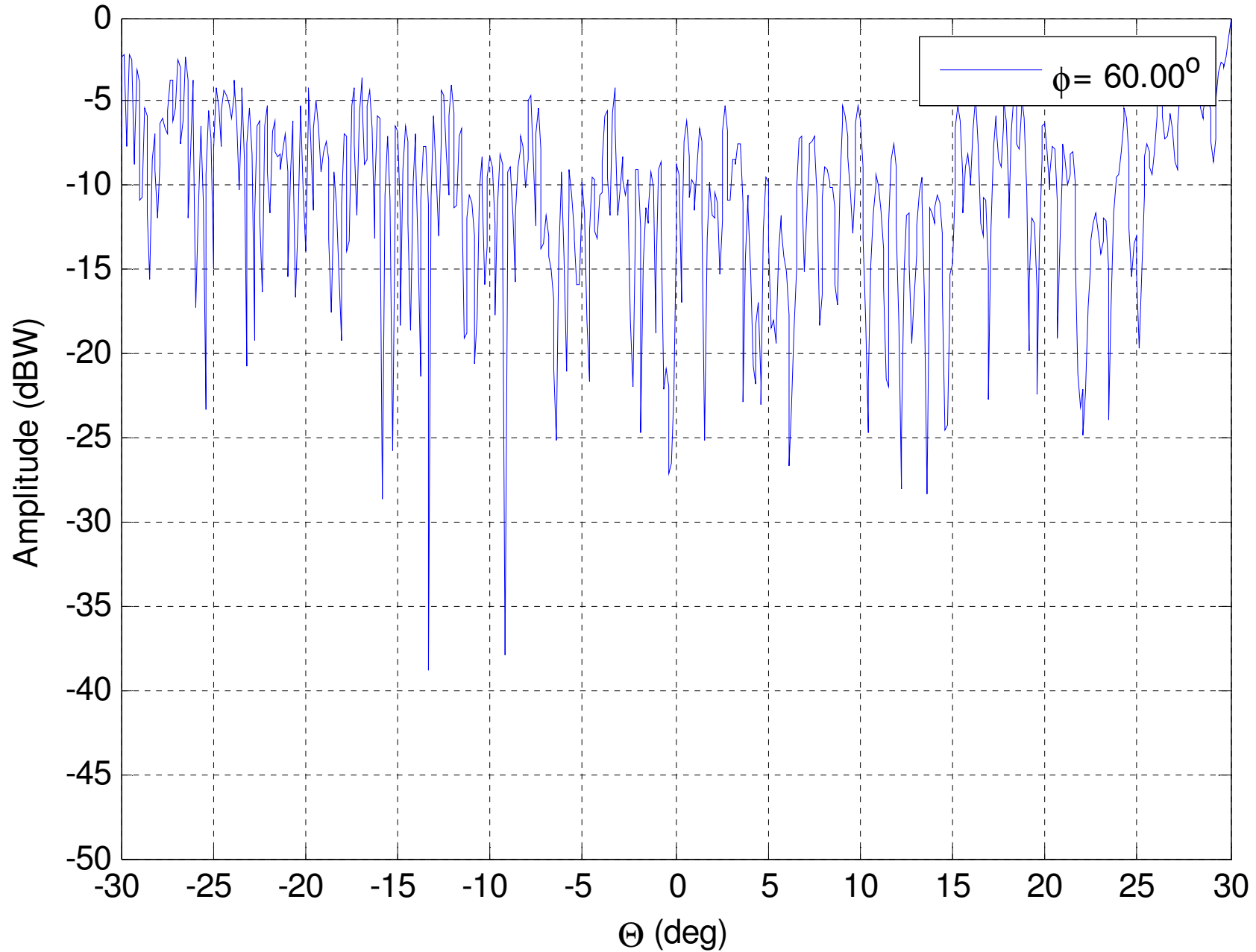
Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-50.cut, Peak: 2.41 dBW, Date: 09-Mar-2012



Normalized pattern cuts - farfield

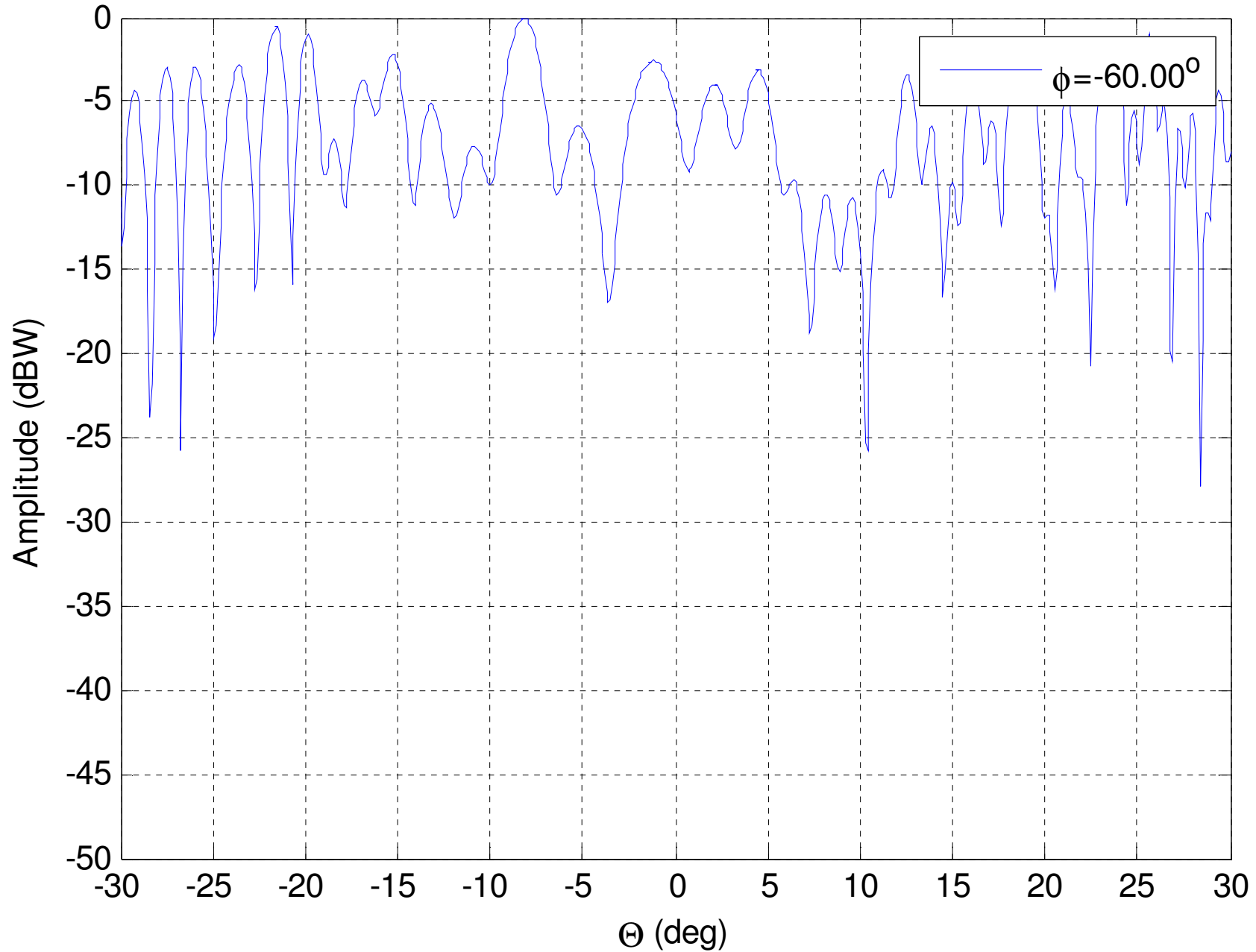
Input file: tx-17.3-lhcp-60.cut, Peak: 3.56 dBW, Date: 09-Mar-2012



RHCP at 17.5 GHz

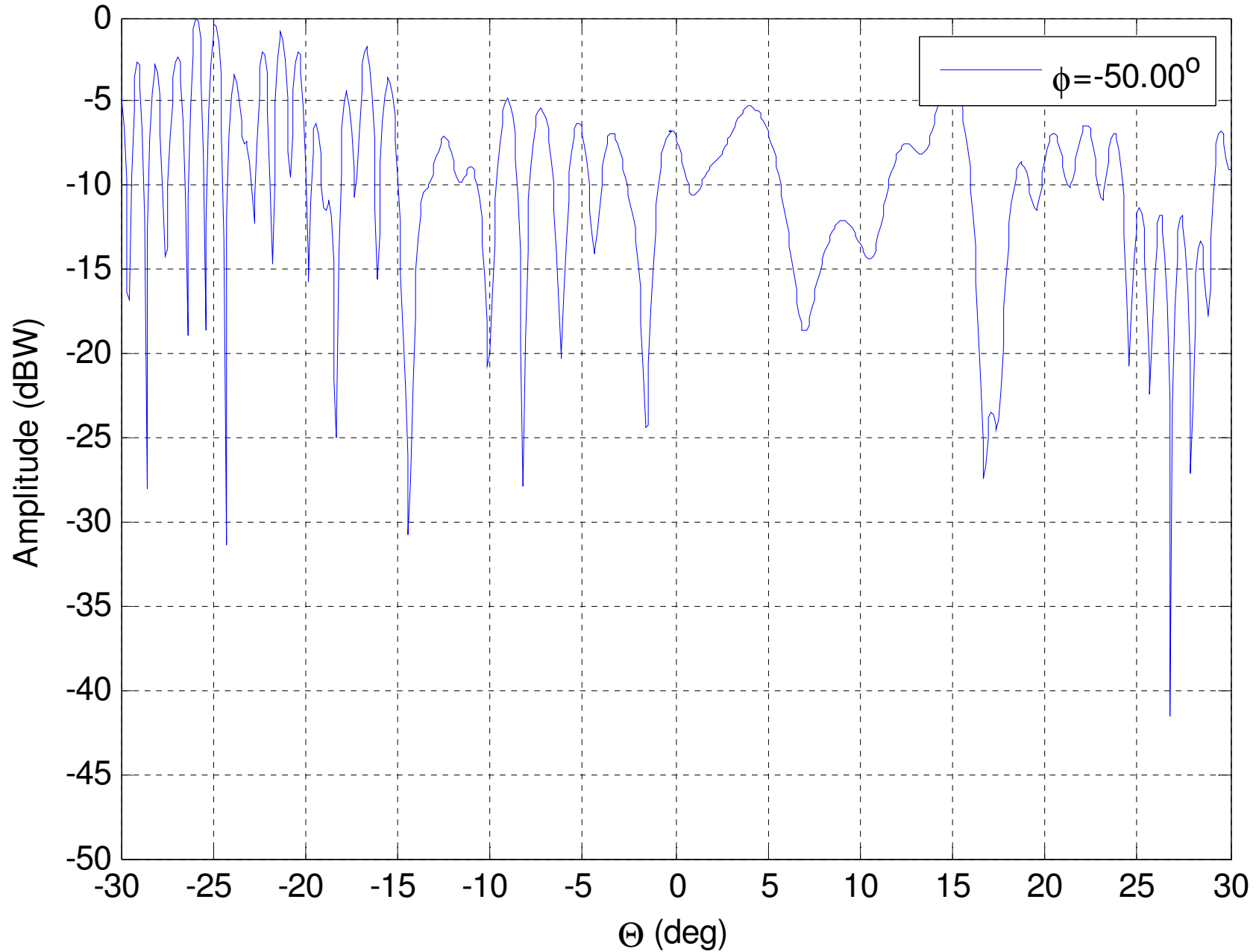
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--60.cut, Peak: -0.63 dBW, Date: 09-Mar-2012



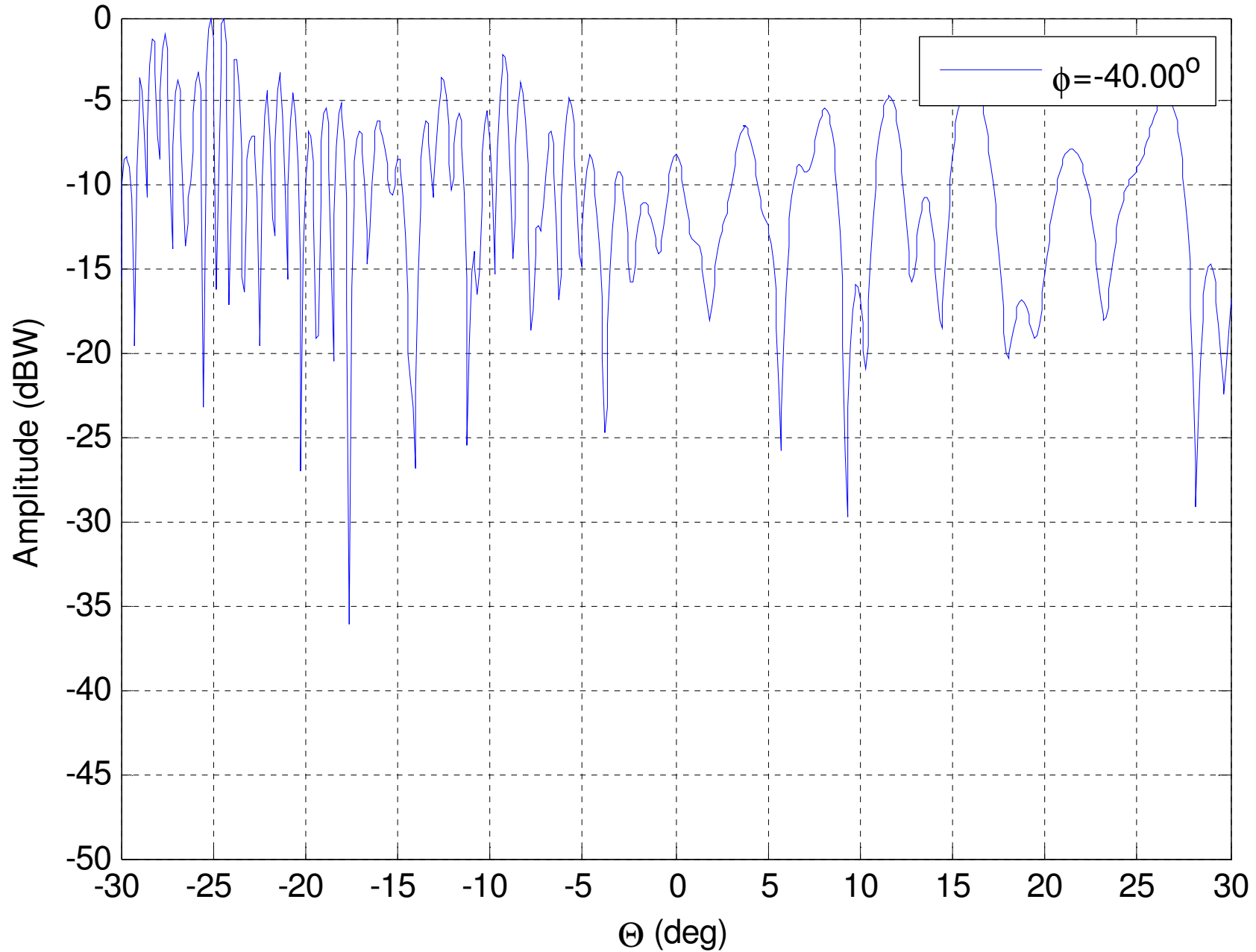
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--50.cut, Peak: 0.76 dBW, Date: 09-Mar-2012



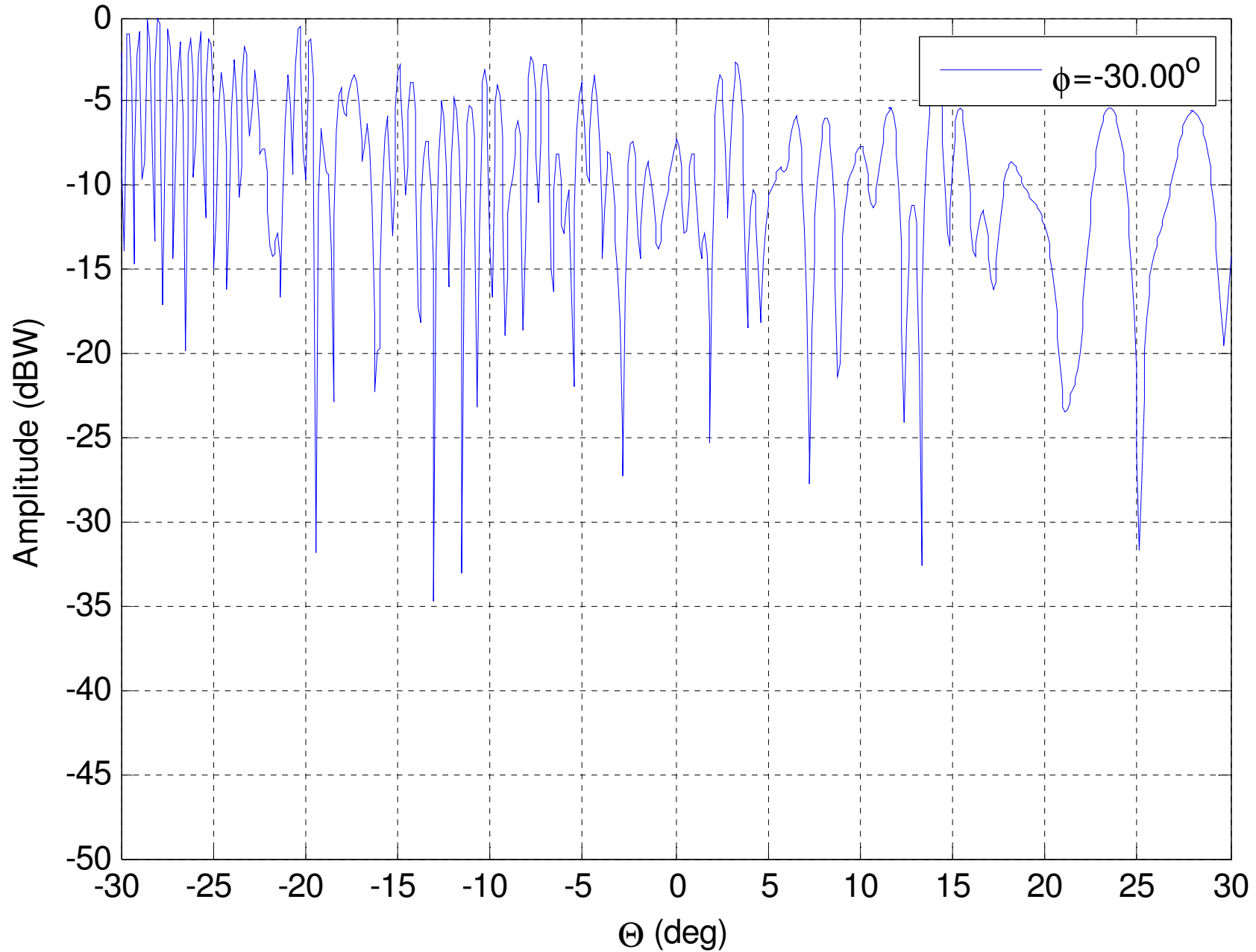
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--40.cut, Peak: 1.89 dBW, Date: 09-Mar-2012



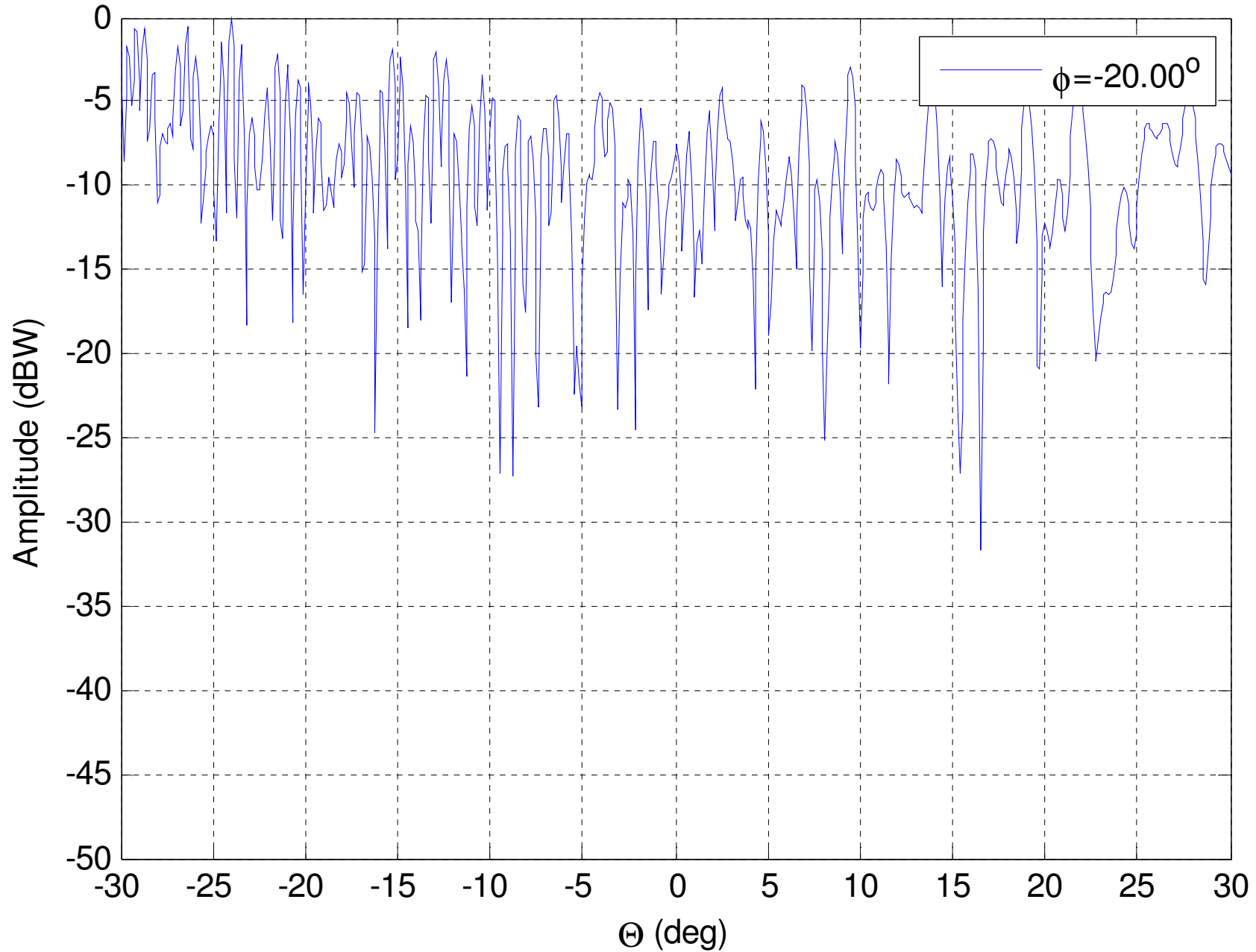
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--30.cut, Peak: 1.12 dBW, Date: 09-Mar-2012



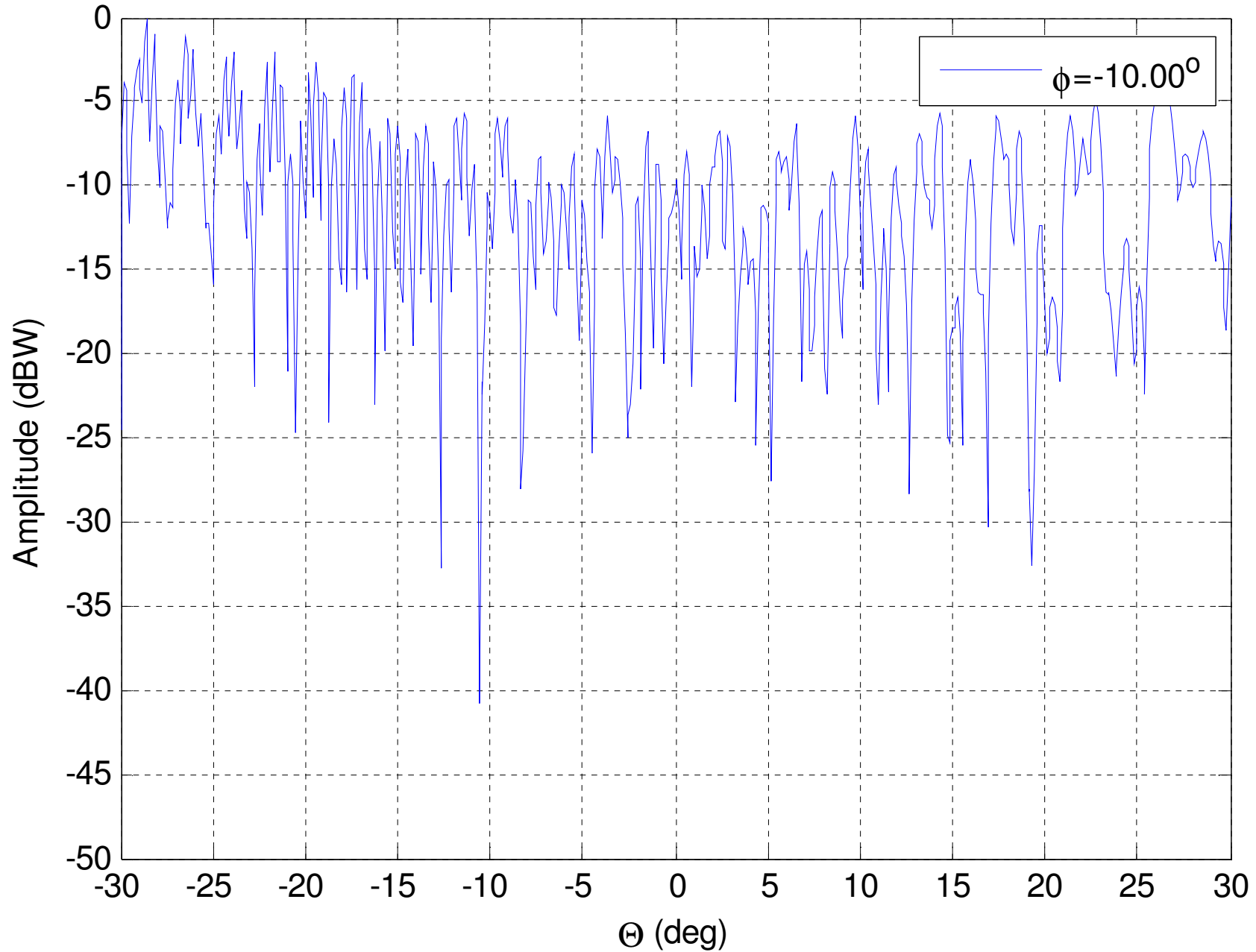
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--20.cut, Peak: 1.52 dBW, Date: 09-Mar-2012



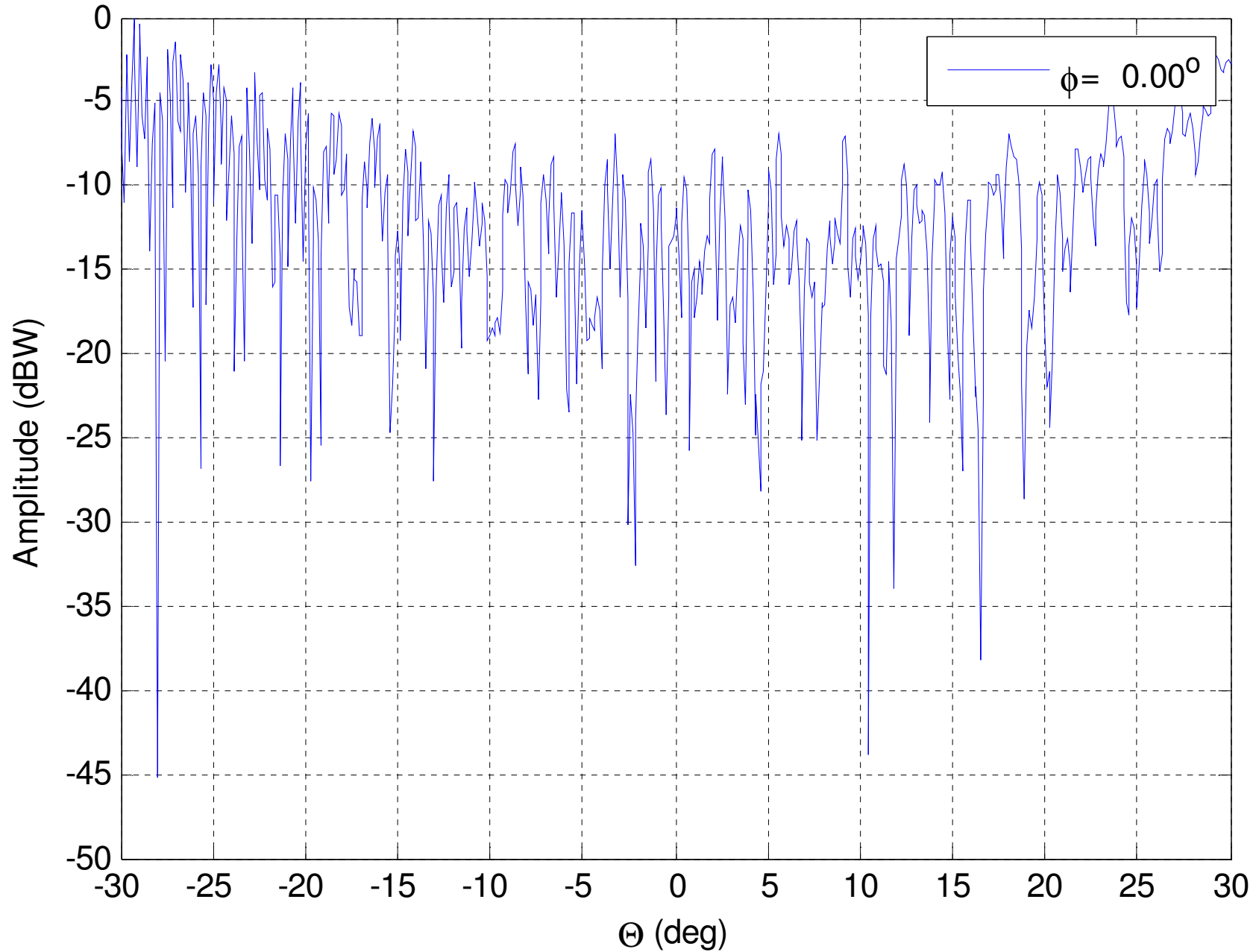
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--10.cut, Peak: 3.62 dBW, Date: 09-Mar-2012



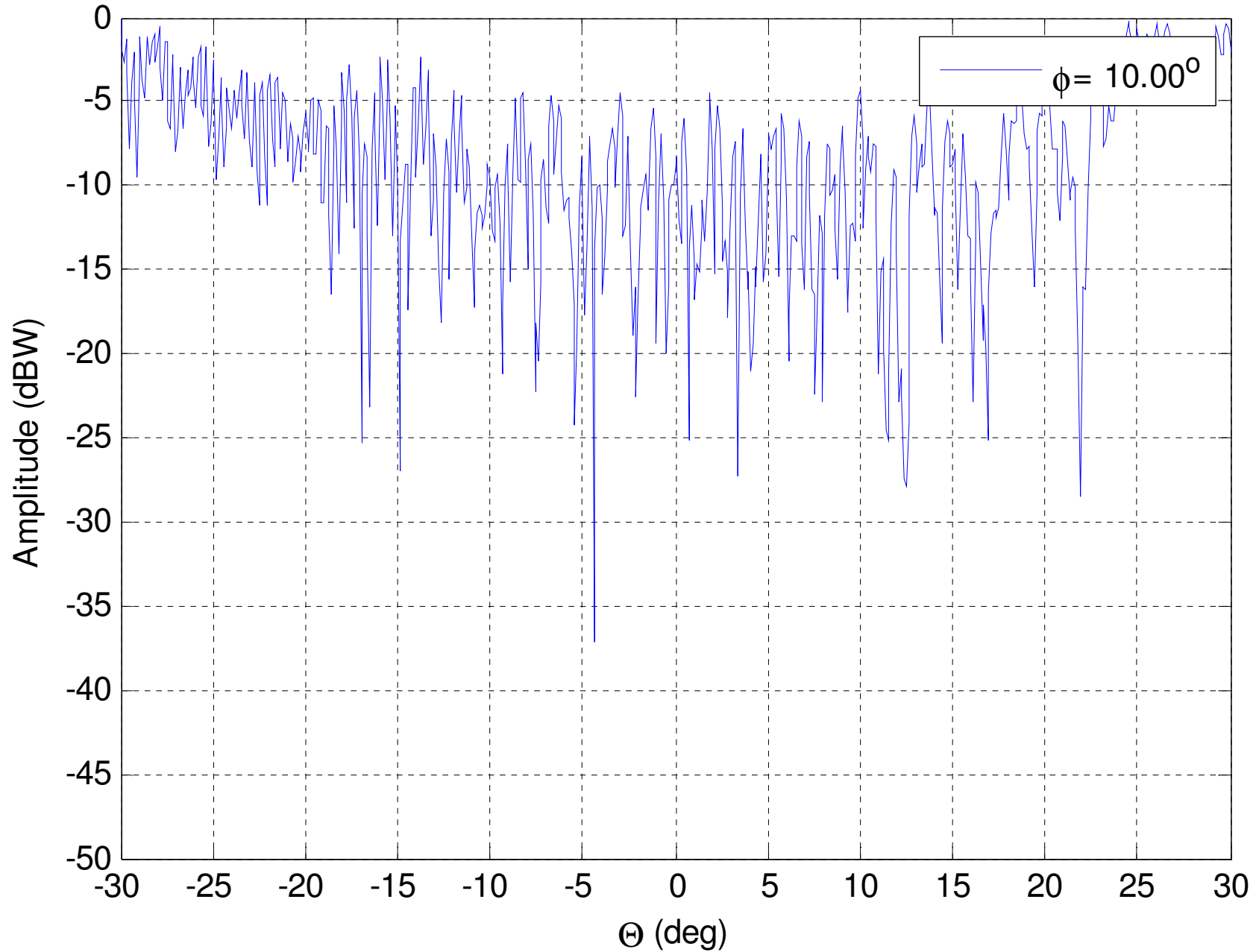
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-0.cut, Peak: 5.39 dBW, Date: 09-Mar-2012



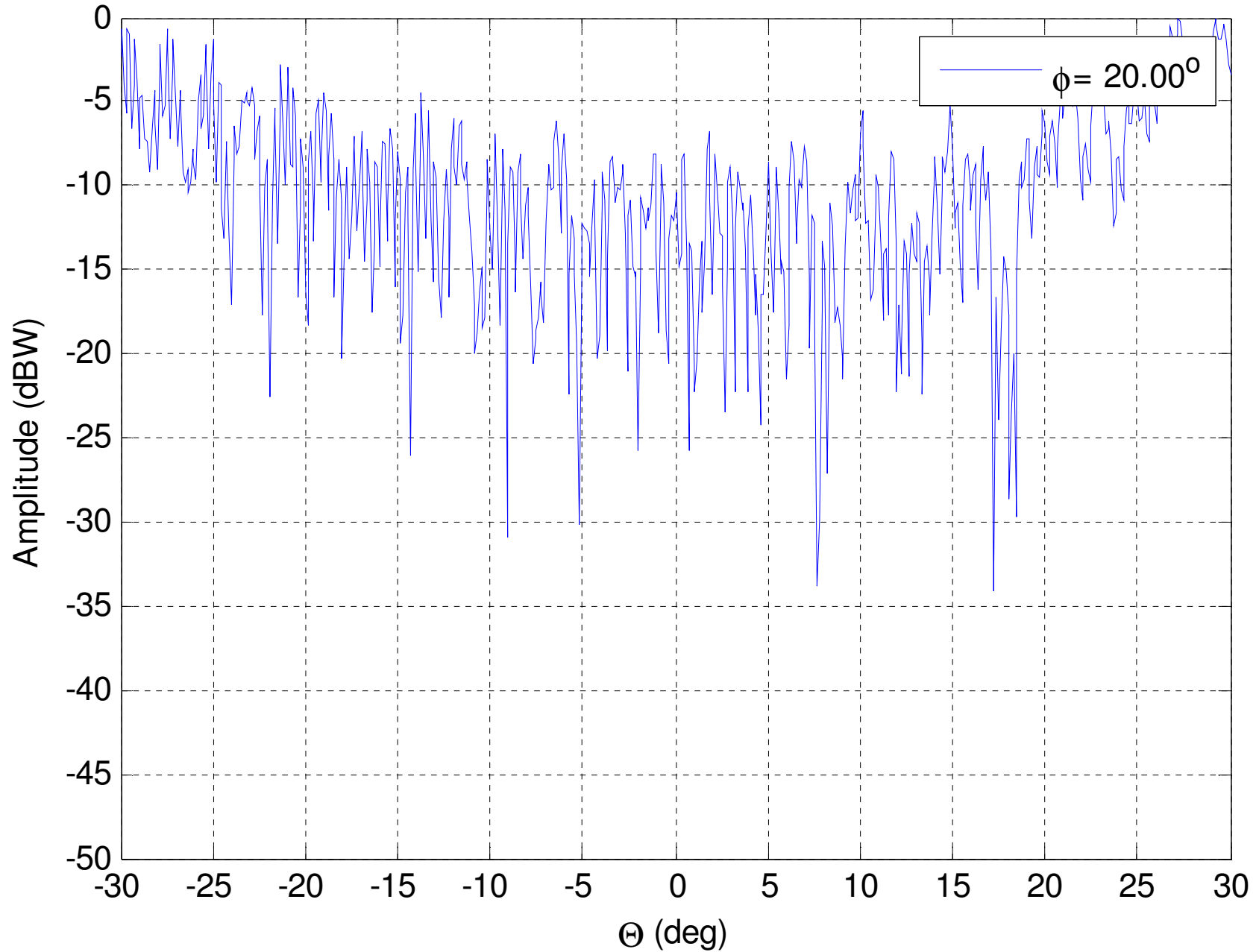
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-10.cut, Peak: 2.28 dBW, Date: 09-Mar-2012



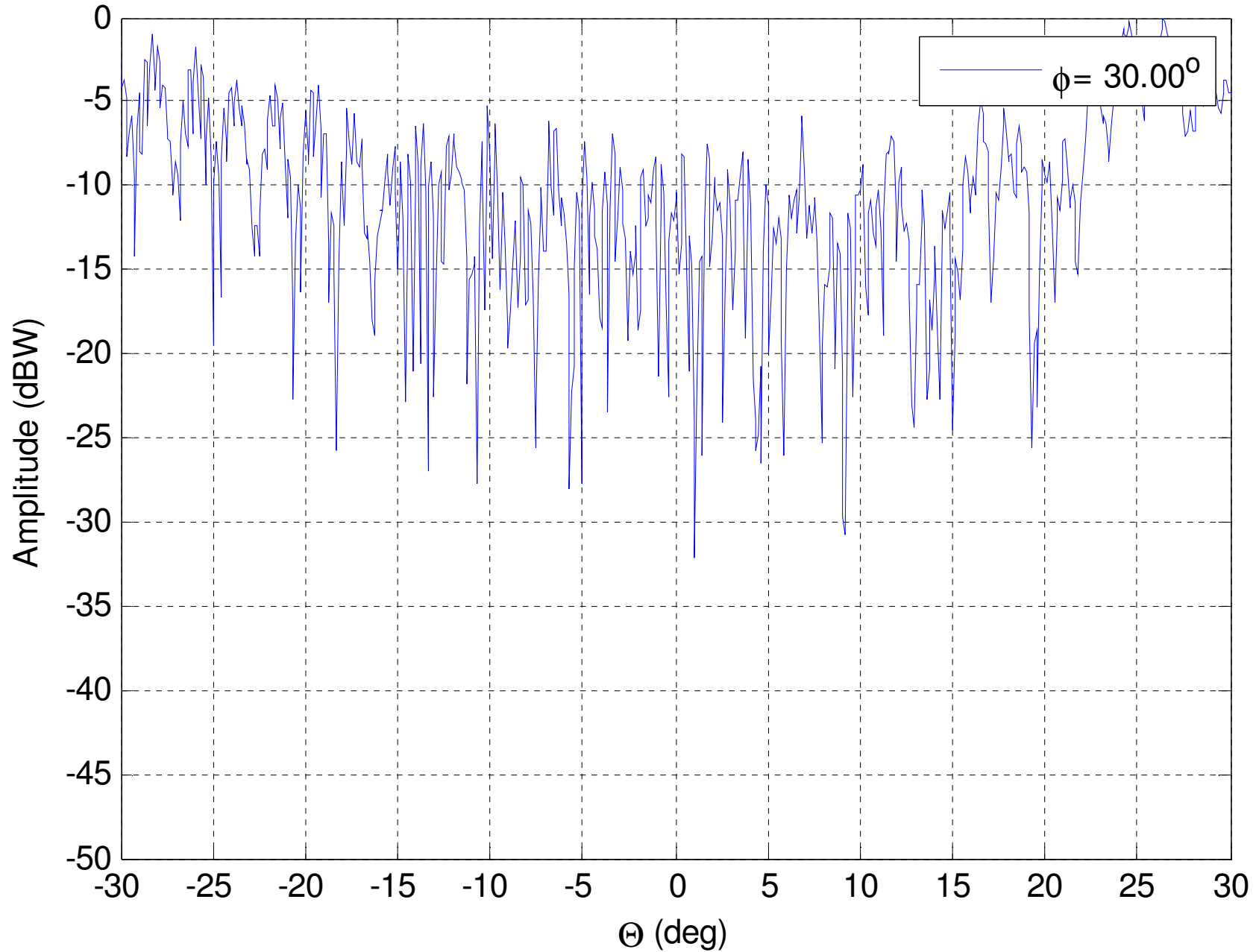
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-20.cut, Peak: 4.35 dBW, Date: 09-Mar-2012



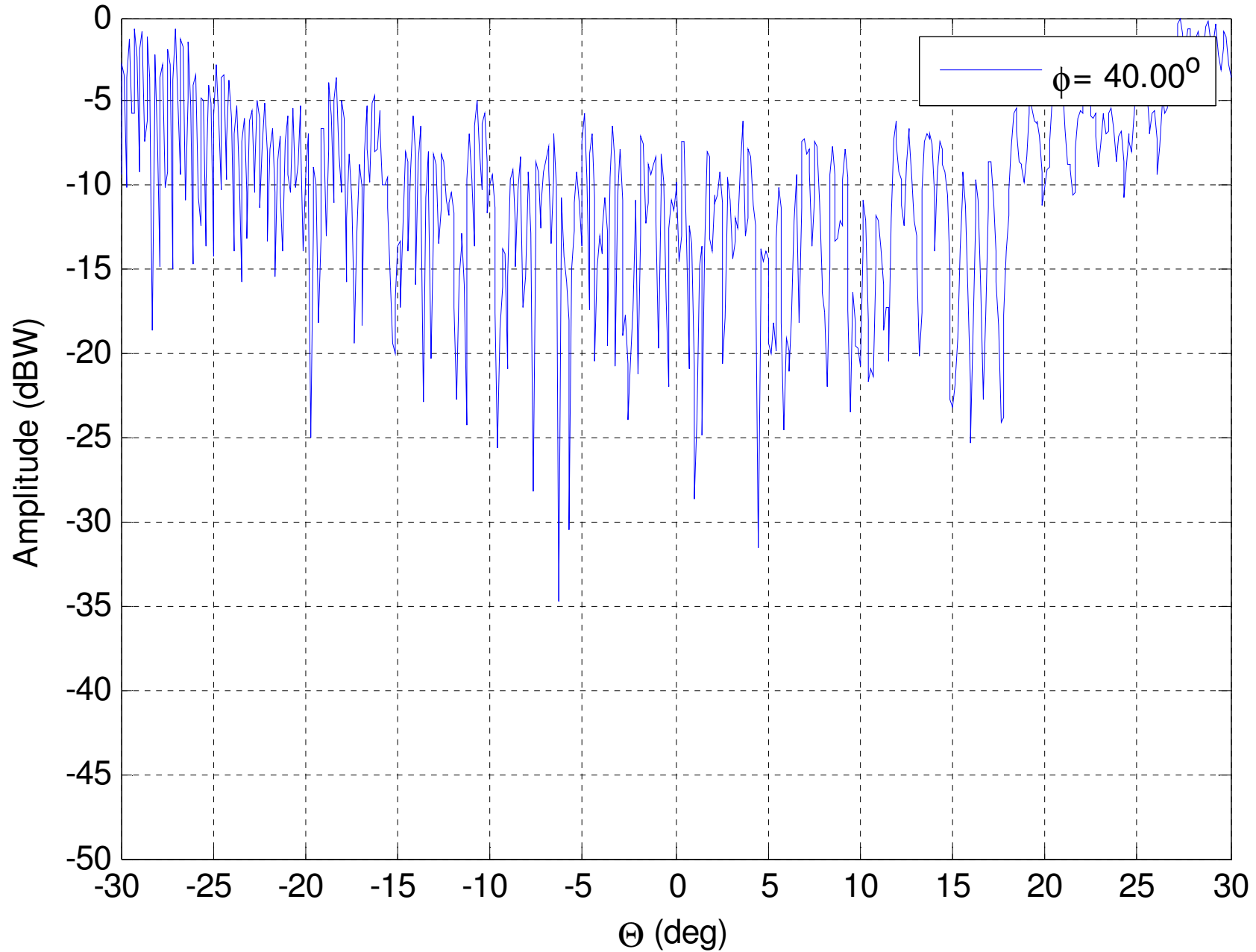
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-30.cut, Peak: 4.41 dBW, Date: 09-Mar-2012



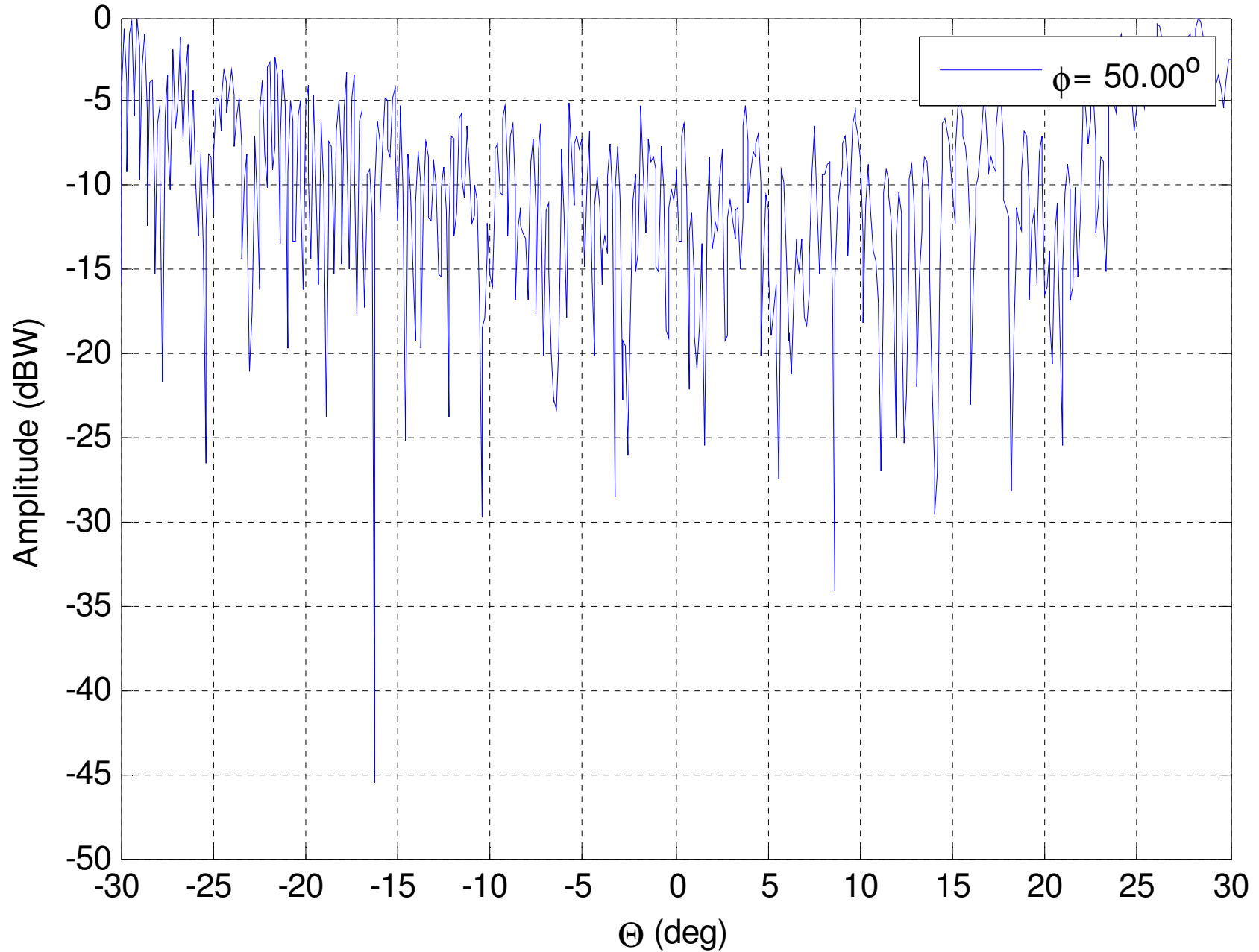
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-40.cut, Peak: 3.81 dBW, Date: 09-Mar-2012



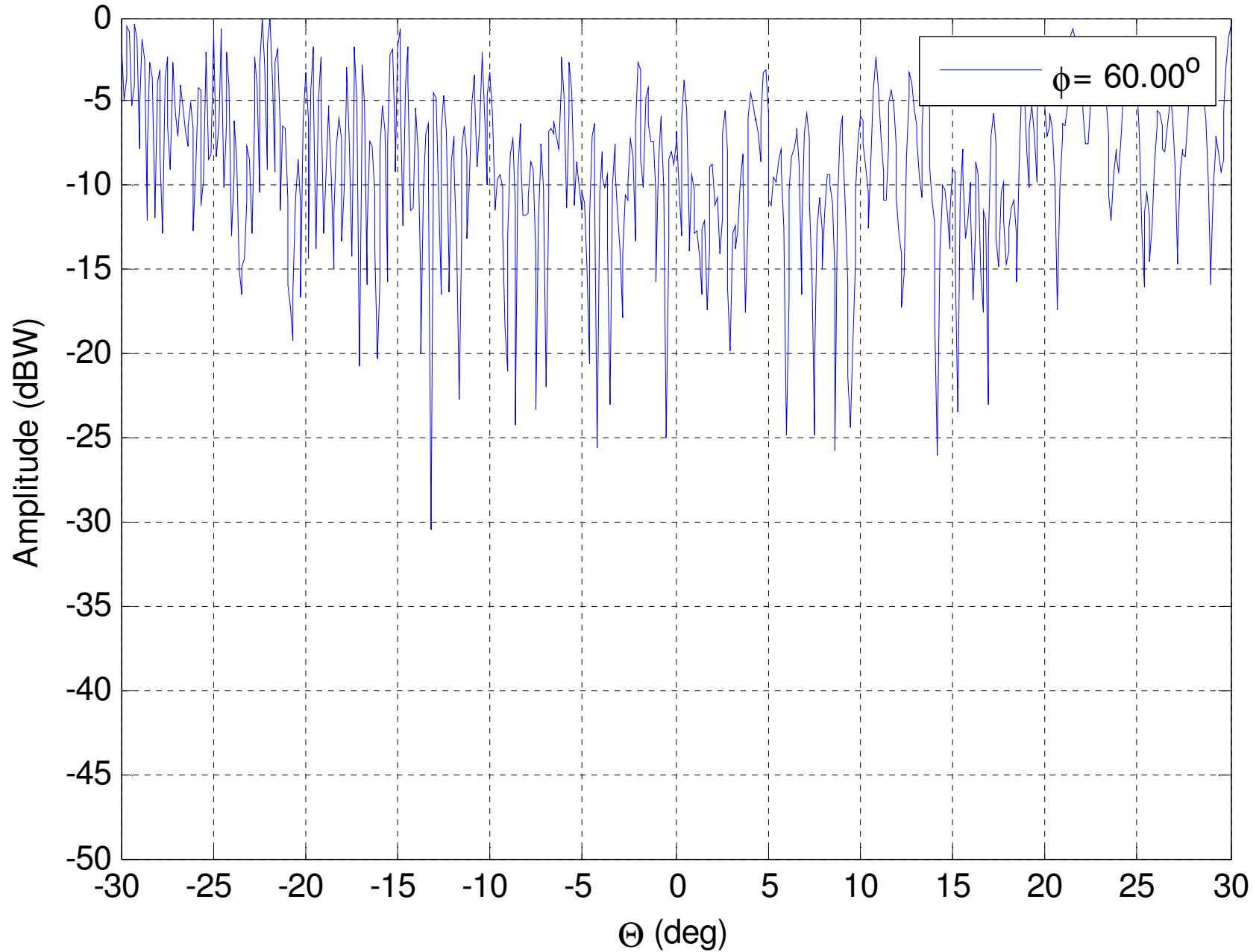
Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-50.cut, Peak: 3.21 dBW, Date: 09-Mar-2012



Normalized pattern cuts - farfield

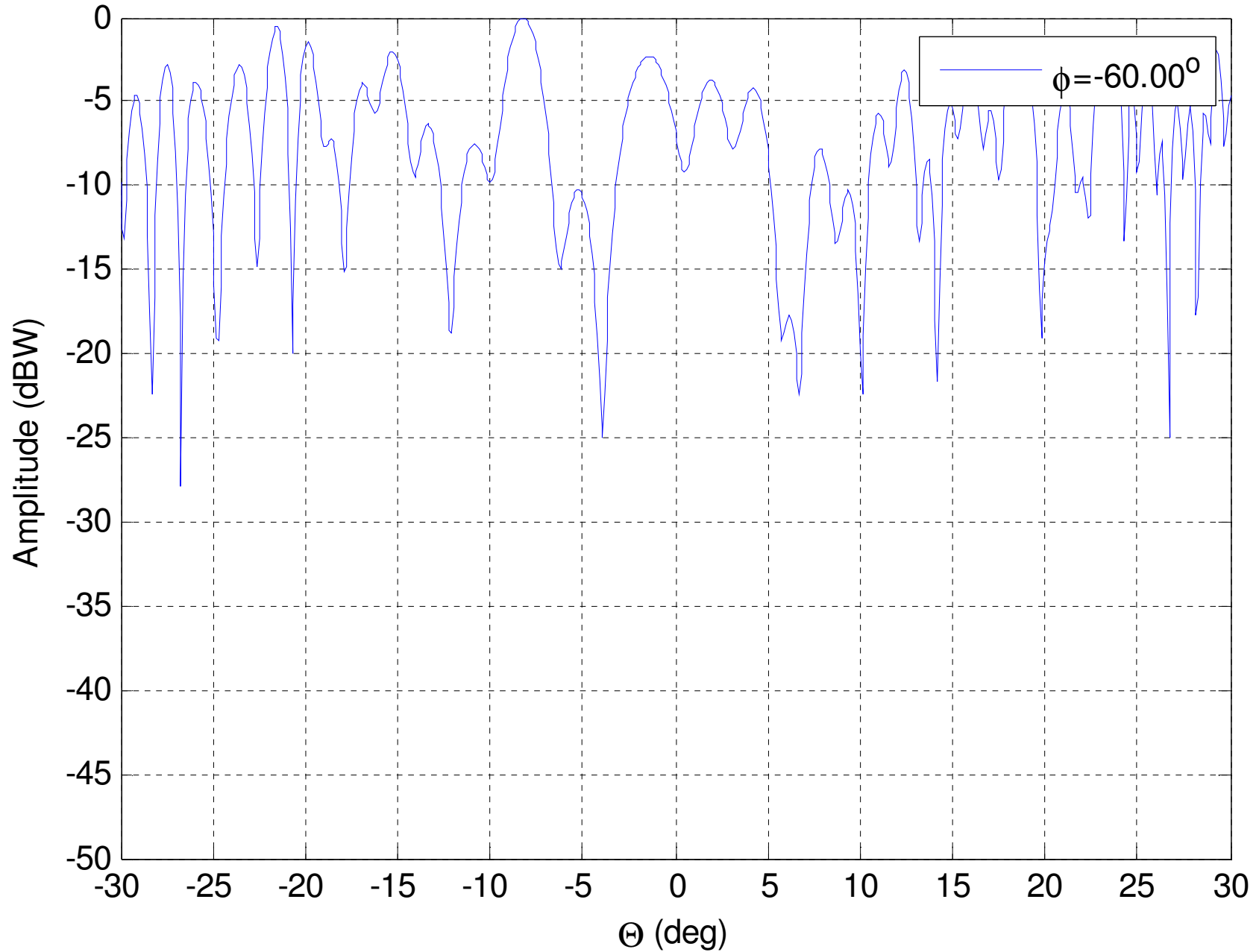
Input file: tx-17.5-rhcp-60.cut, Peak: 1.06 dBW, Date: 09-Mar-2012



LHCP at 17.5 GHz

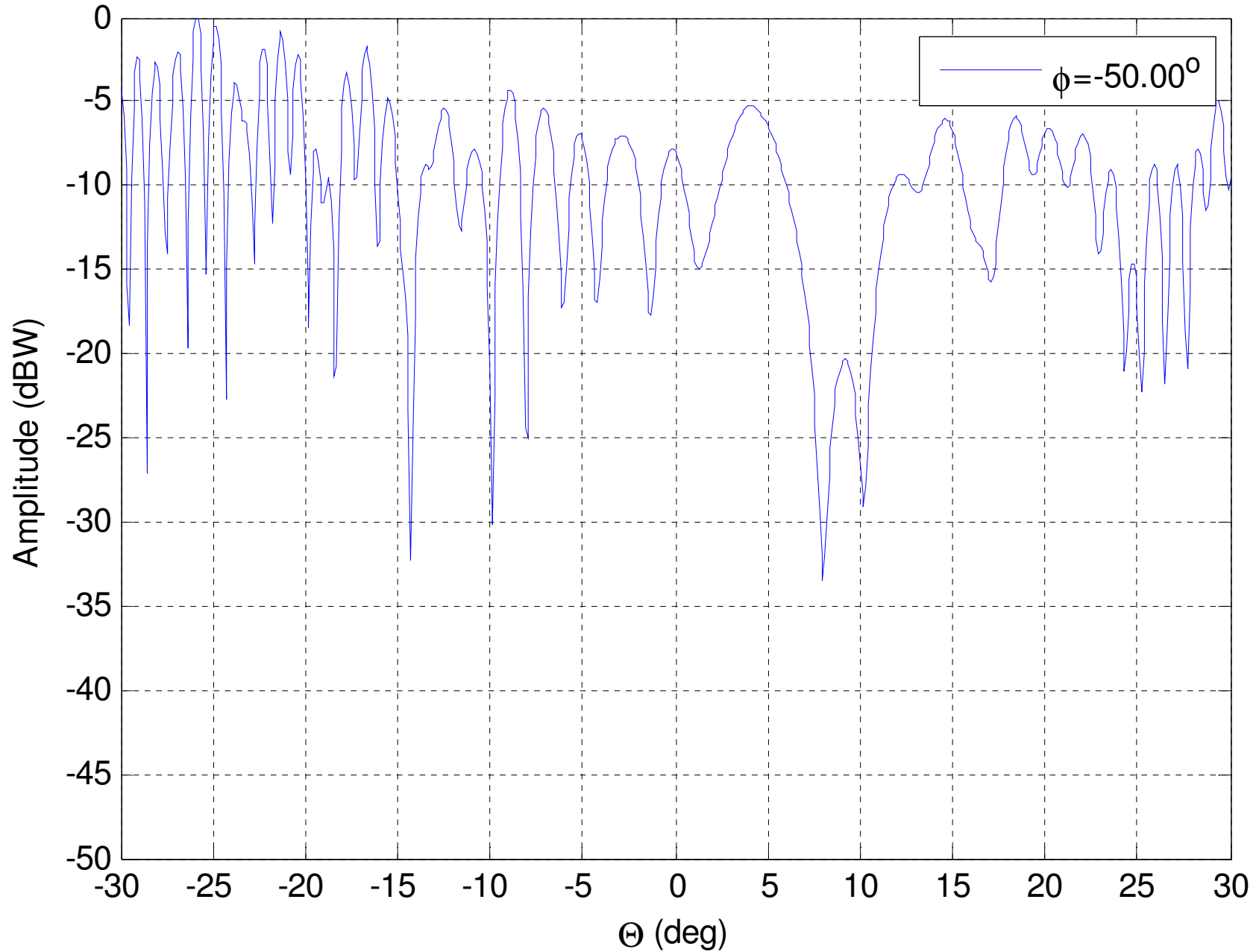
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--60.cut, Peak: -0.55 dBW, Date: 09-Mar-2012



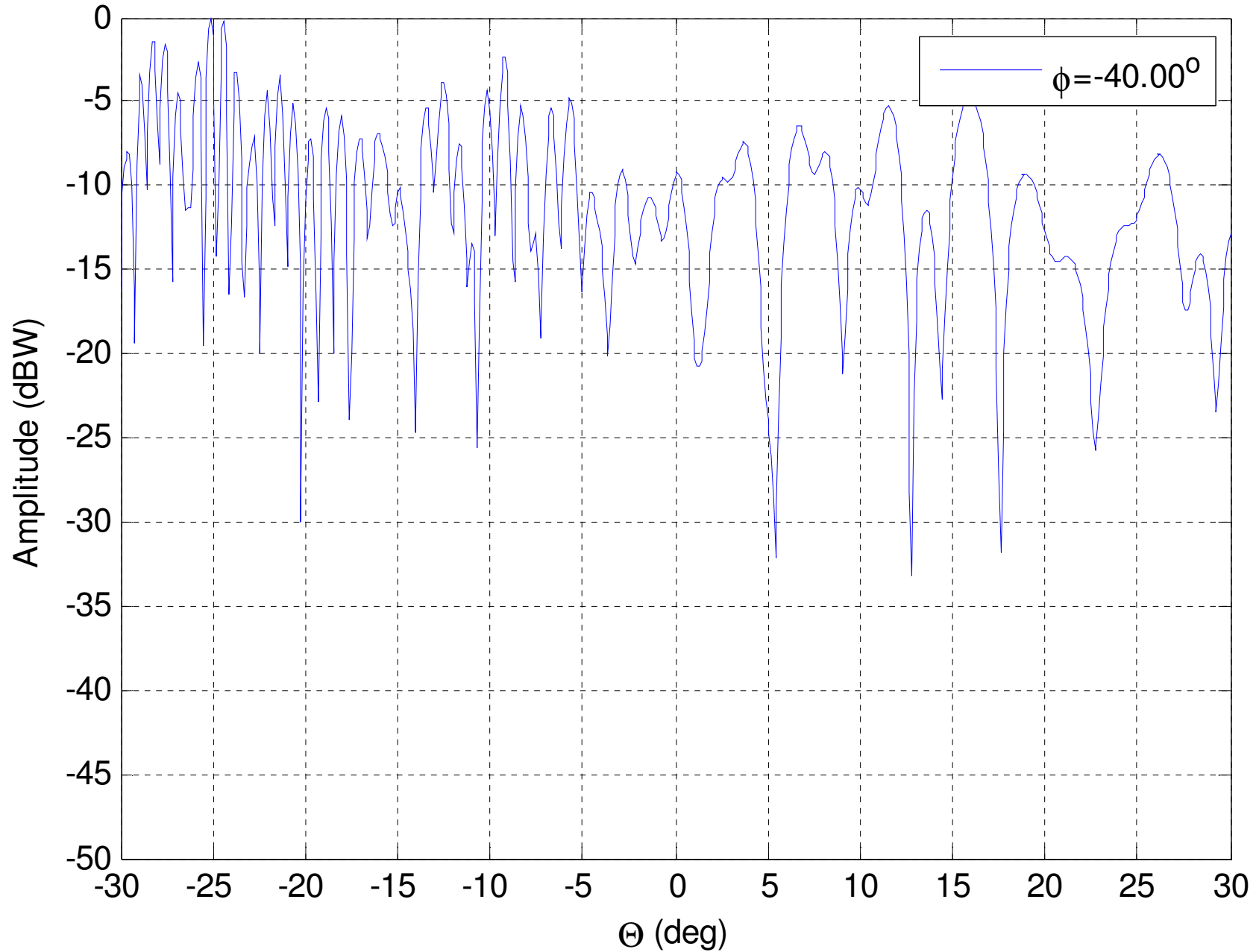
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--50.cut, Peak: 0.62 dBW, Date: 09-Mar-2012



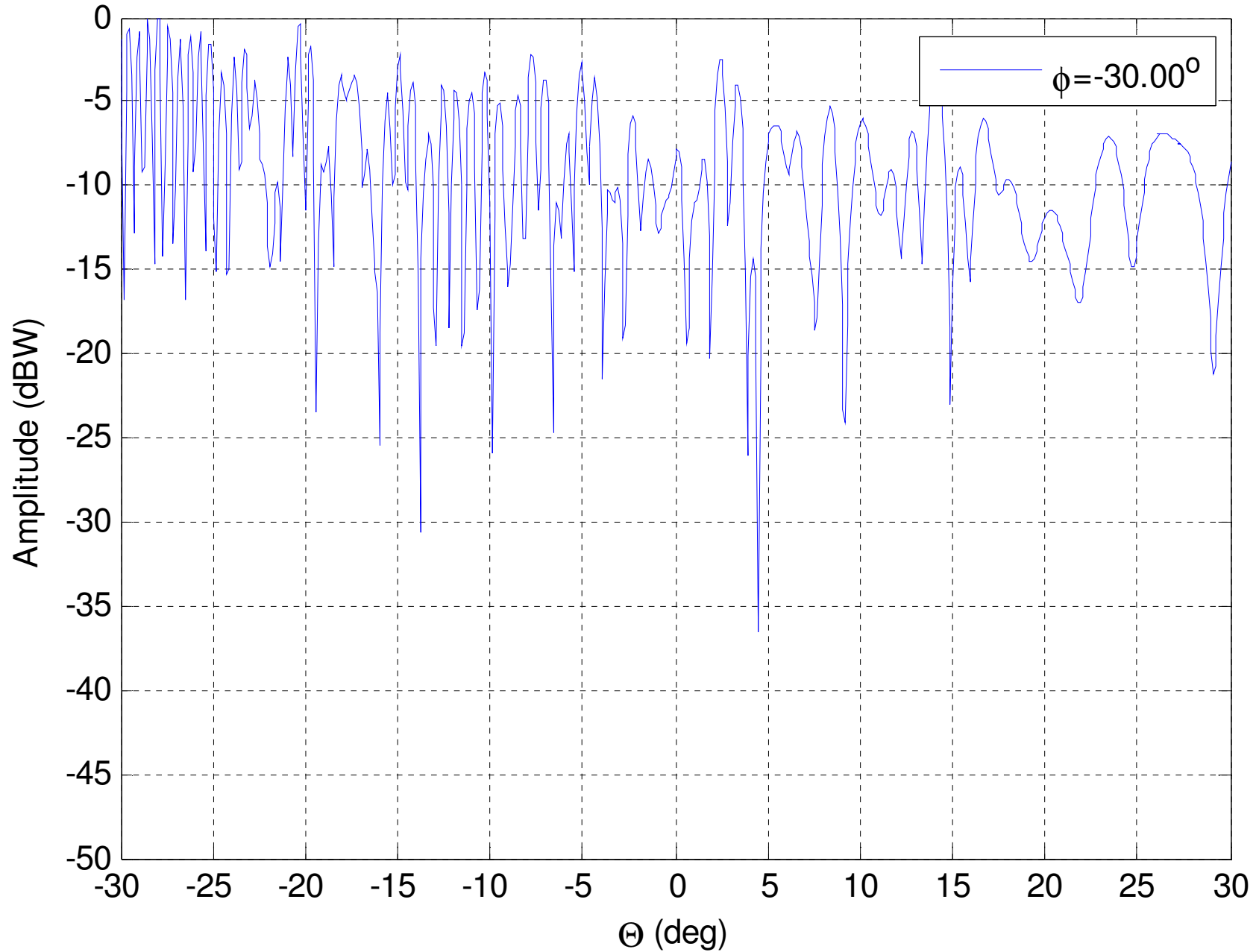
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--40.cut, Peak: 2.05 dBW, Date: 09-Mar-2012



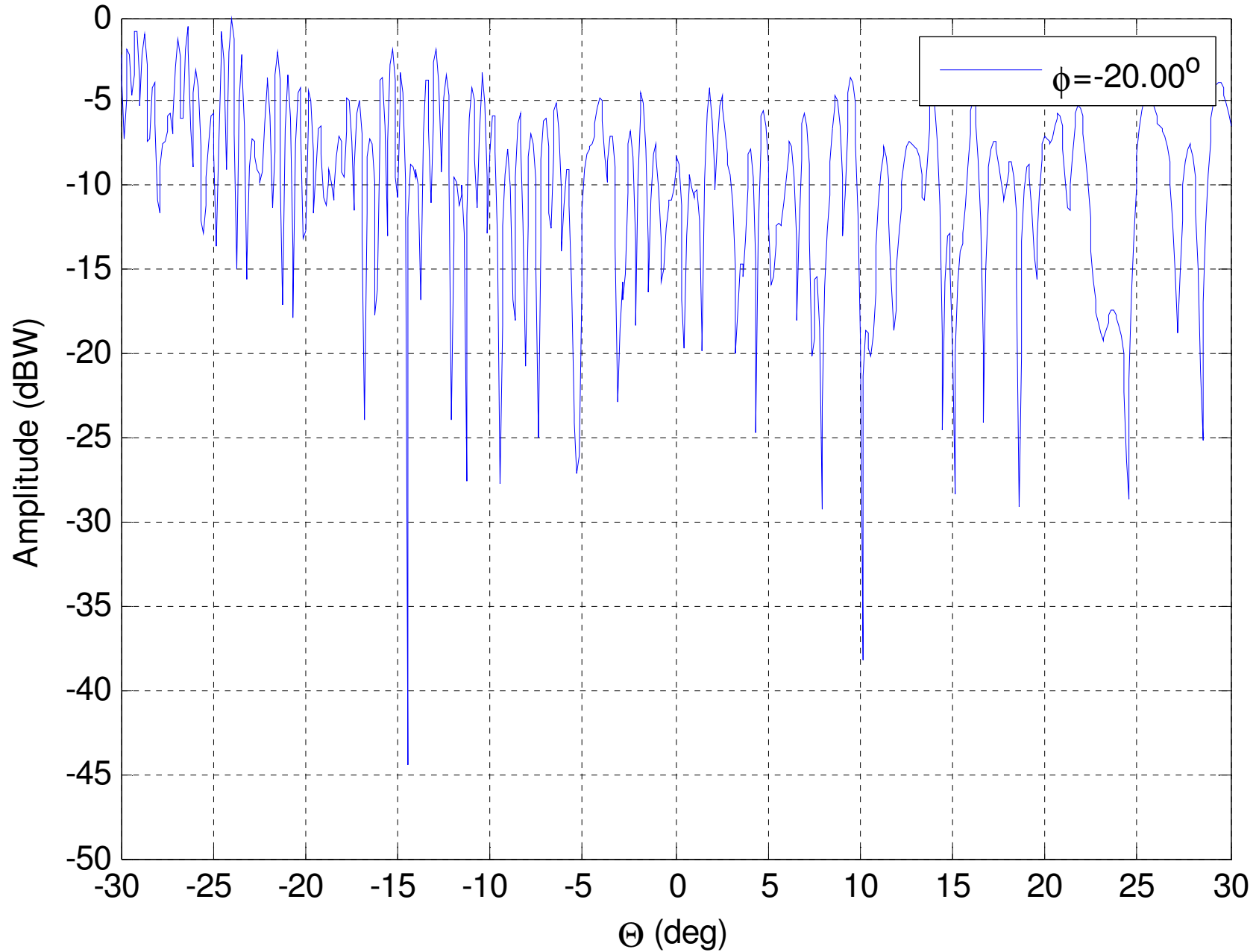
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--30.cut, Peak: 0.93 dBW, Date: 09-Mar-2012



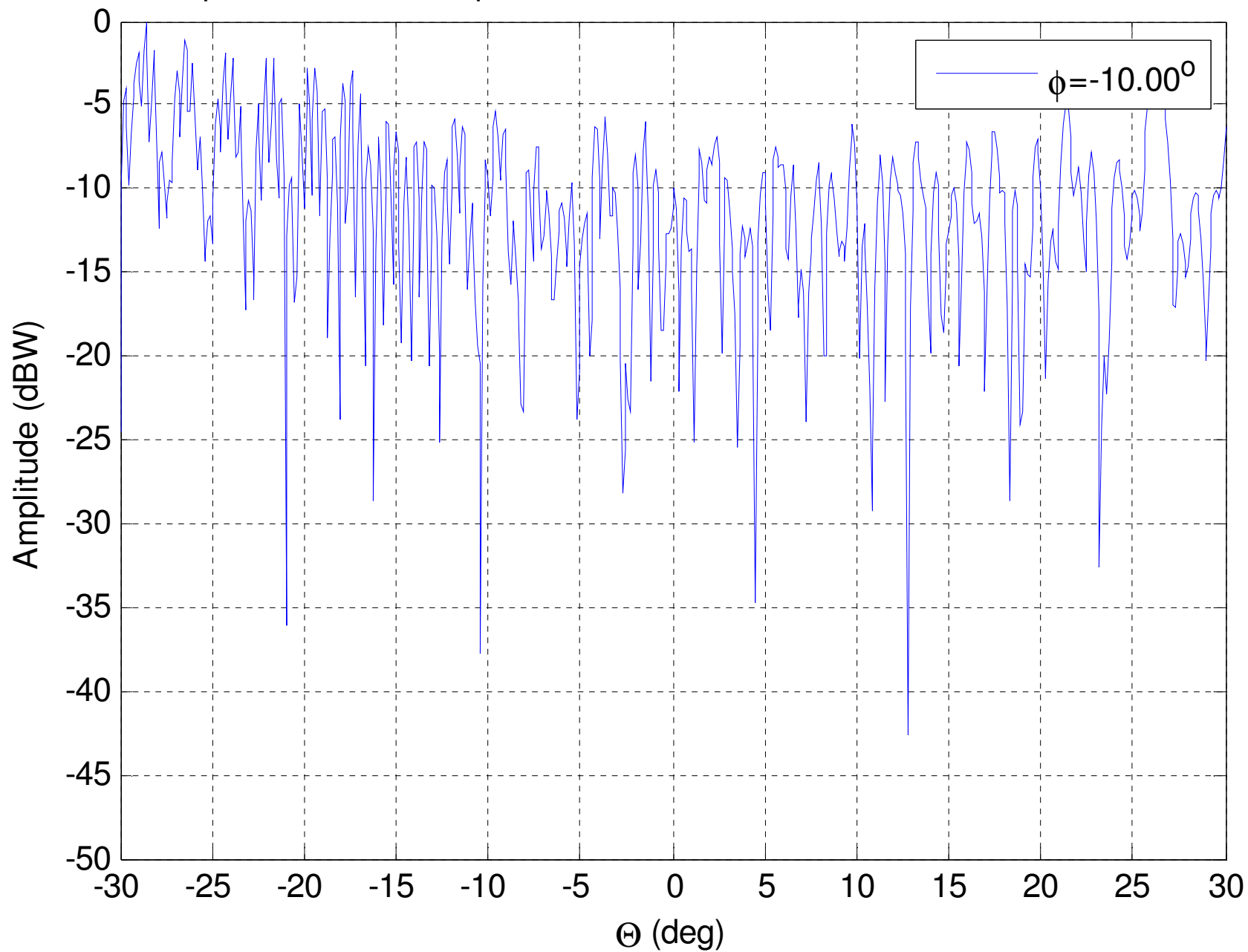
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--20.cut, Peak: 1.61 dBW, Date: 09-Mar-2012



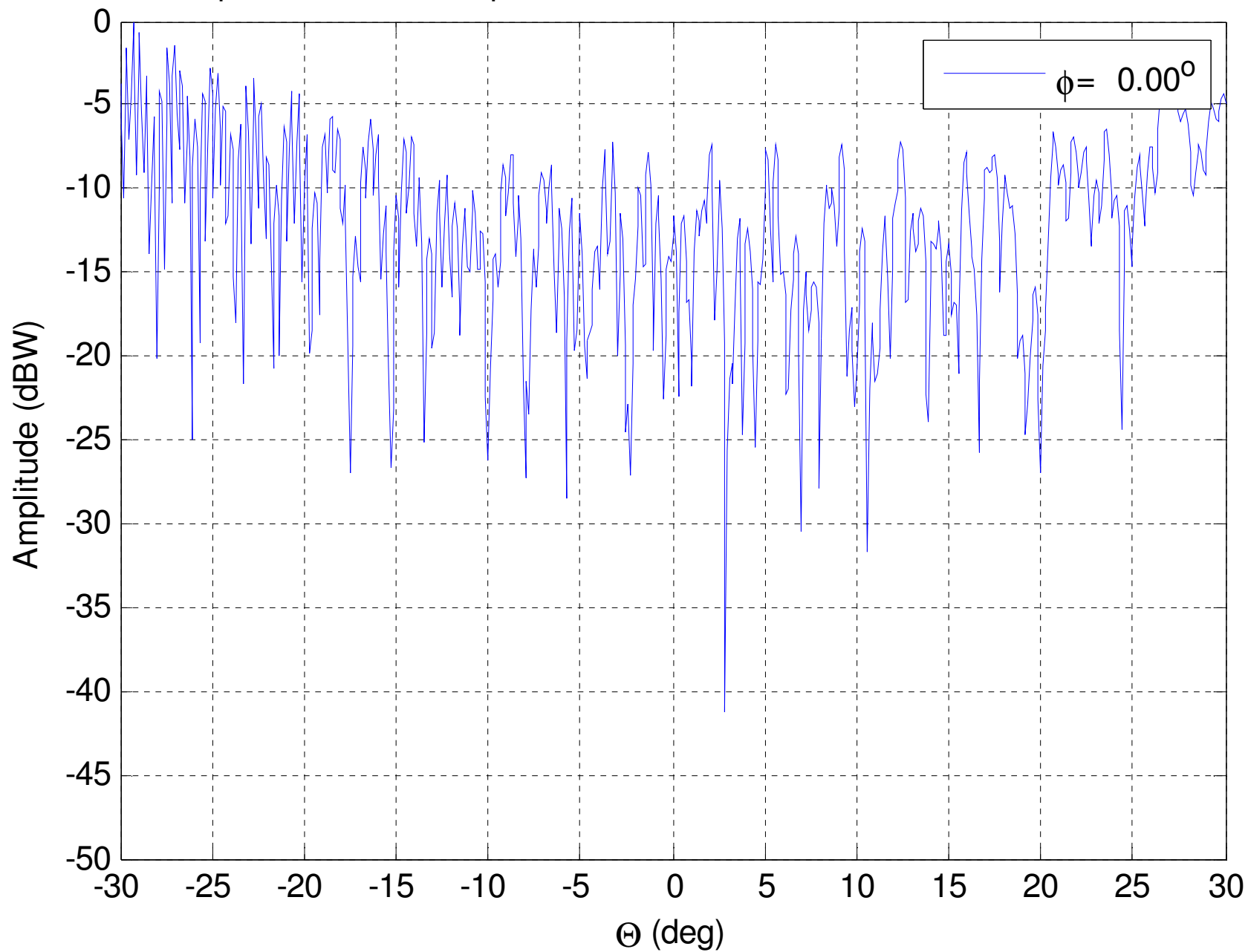
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp--10.cut, Peak: 3.61 dBW, Date: 09-Mar-2012



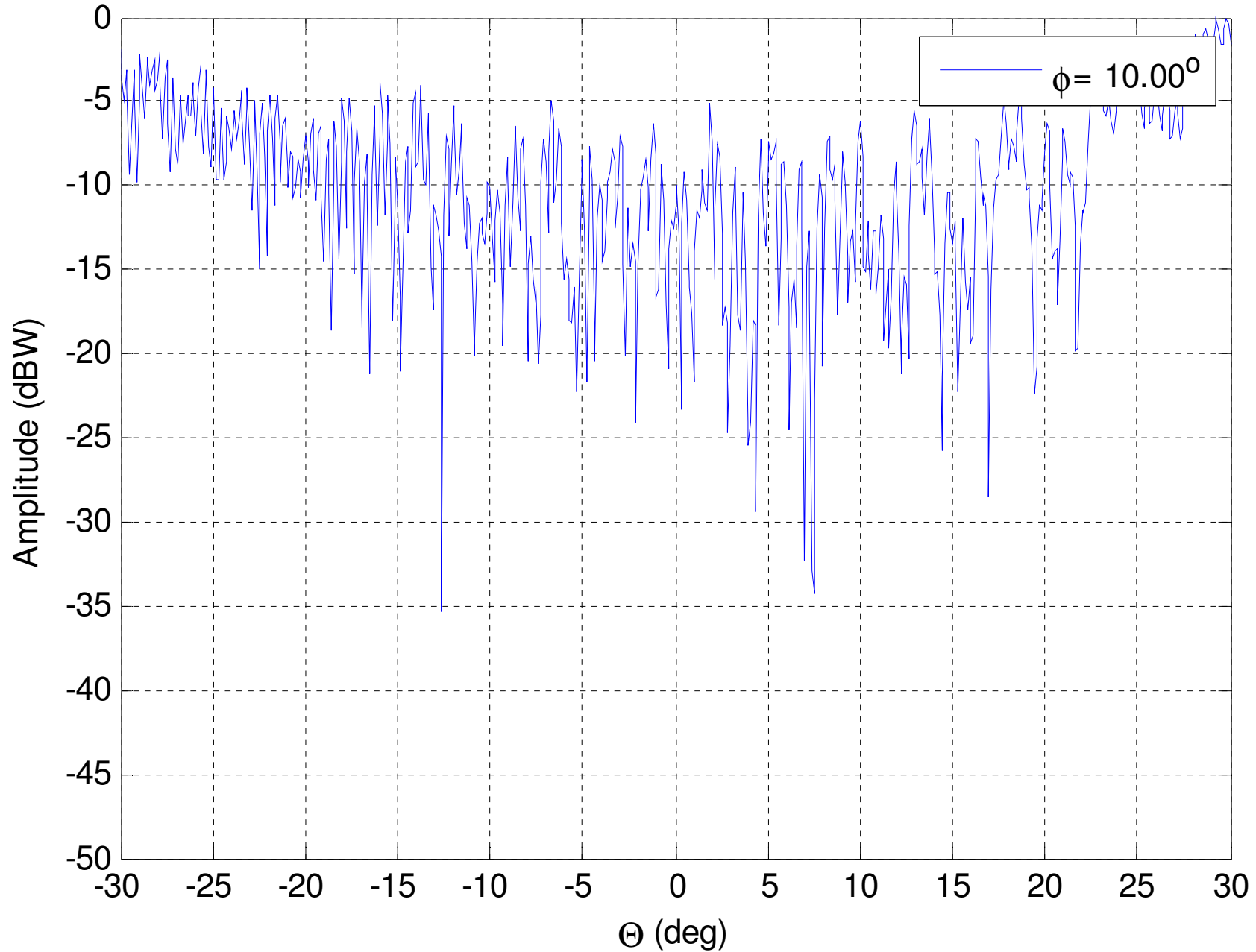
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-0.cut, Peak: 5.39 dBW, Date: 09-Mar-2012



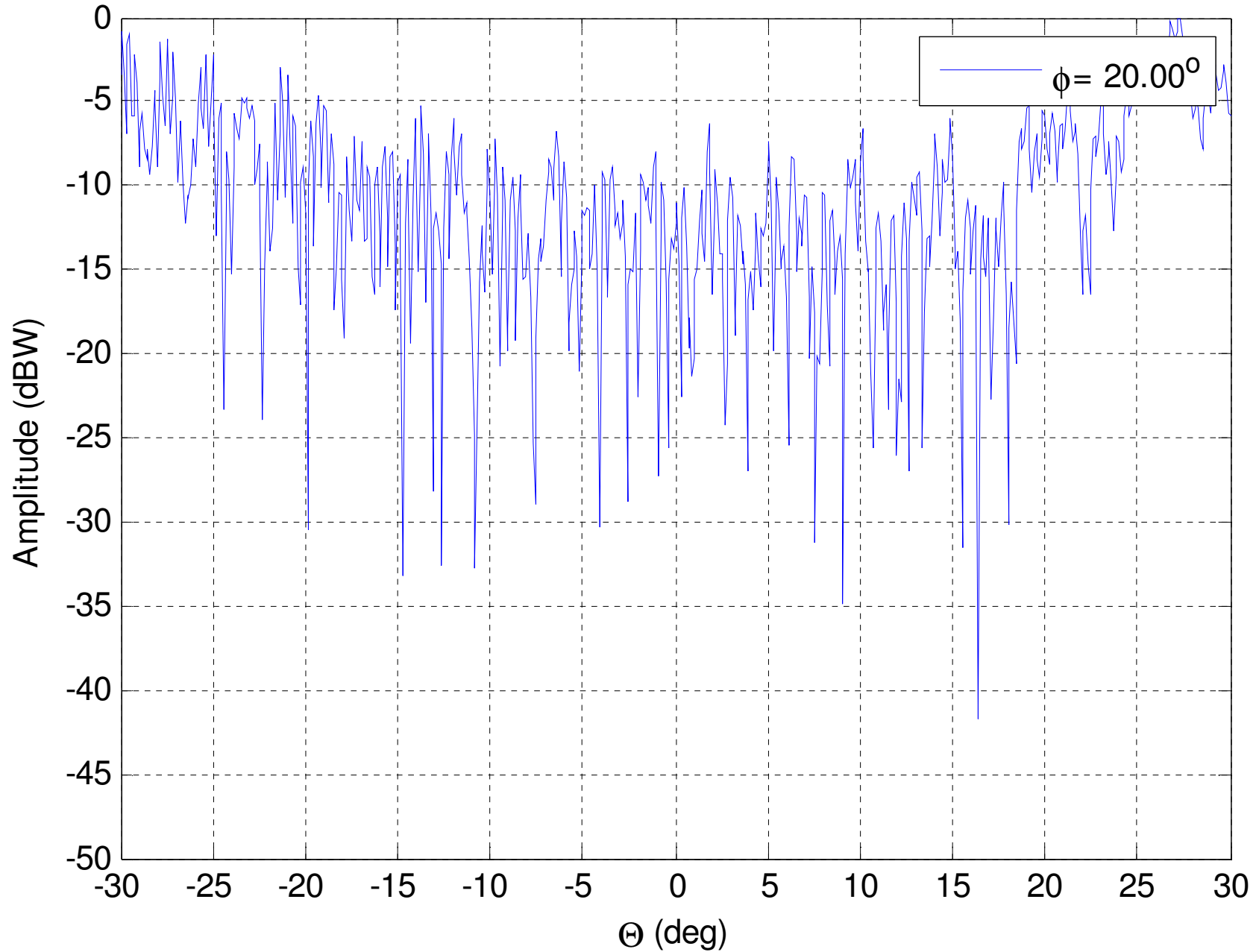
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-10.cut, Peak: 3.65 dBW, Date: 09-Mar-2012



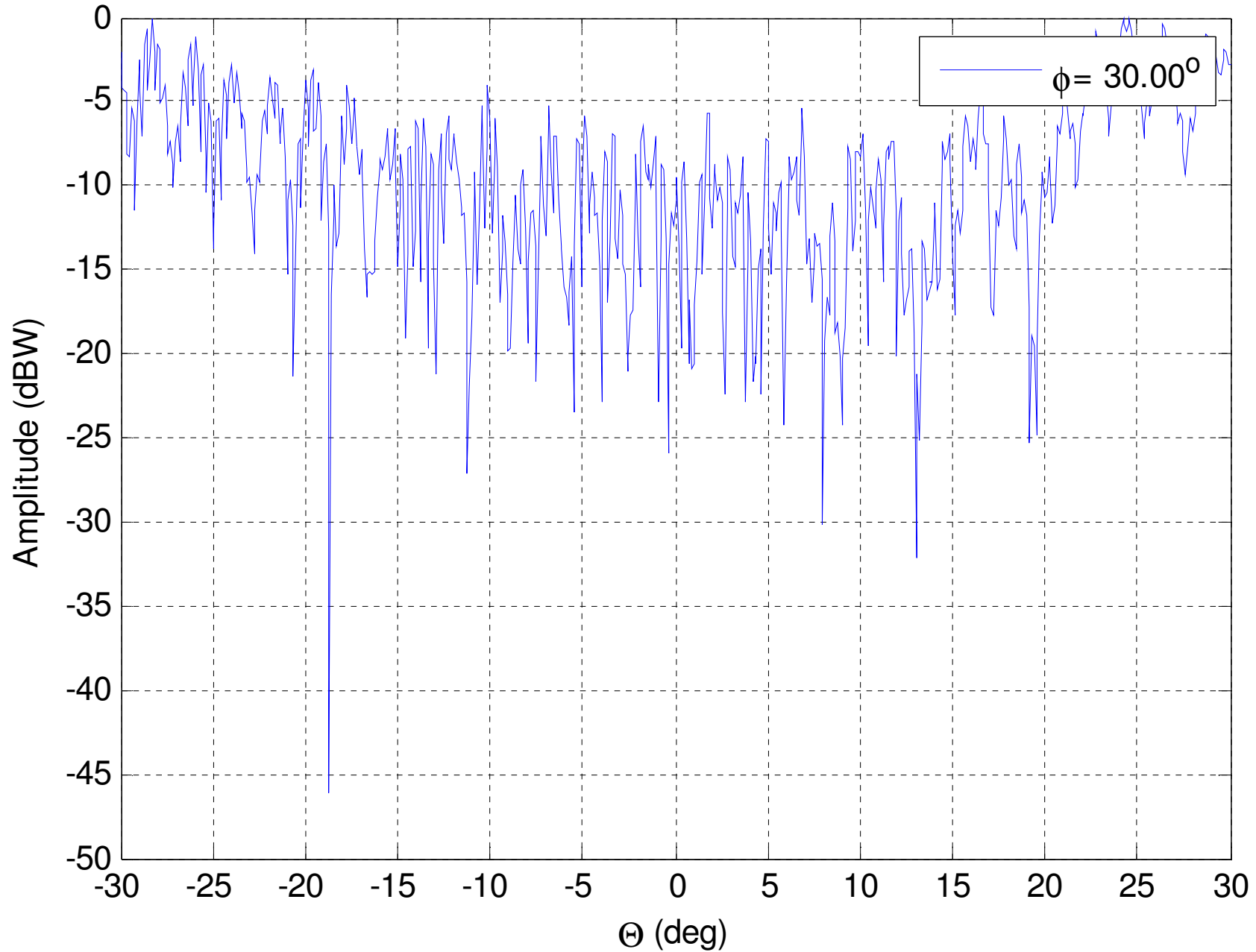
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-20.cut, Peak: 4.85 dBW, Date: 09-Mar-2012



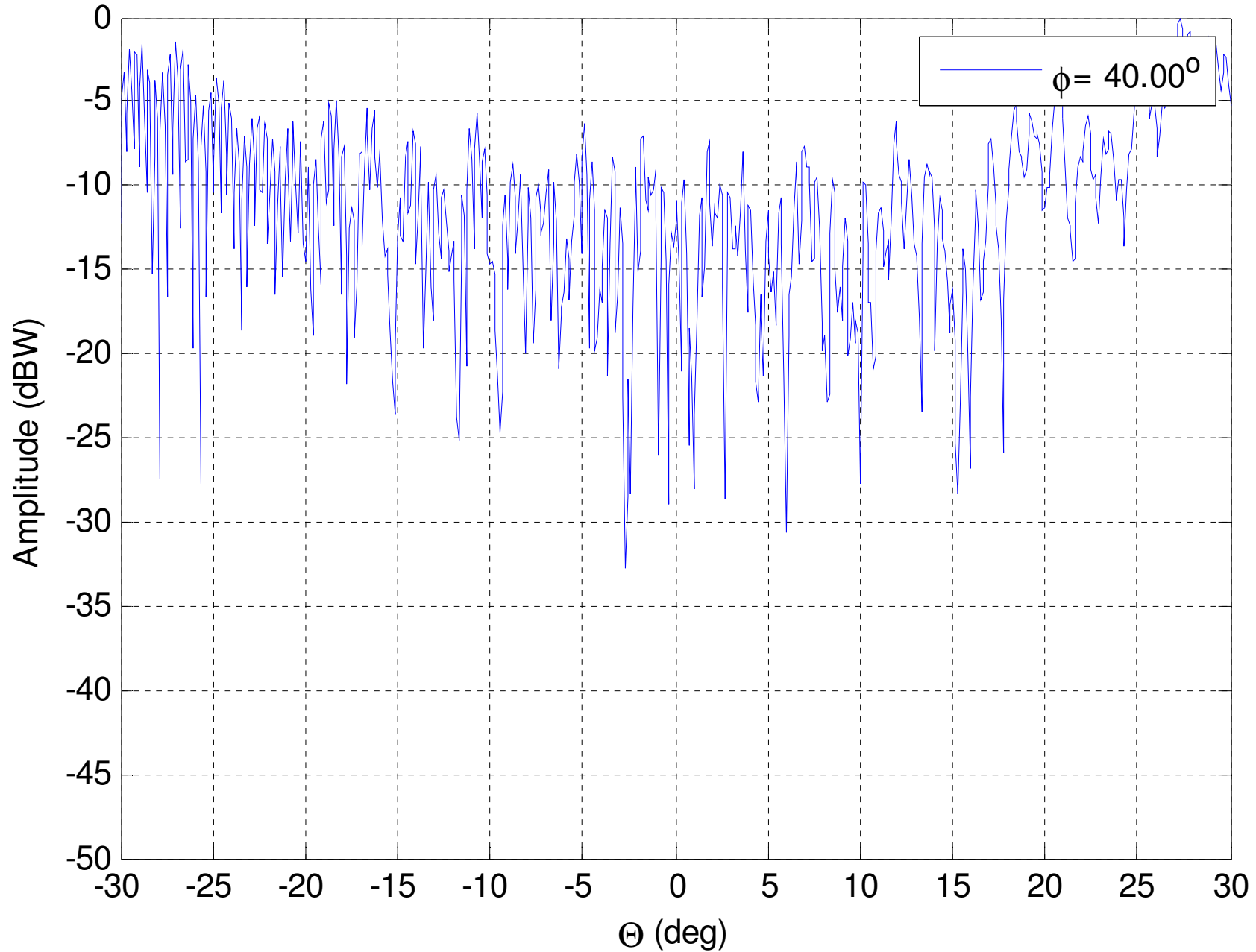
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-30.cut, Peak: 3.46 dBW, Date: 09-Mar-2012



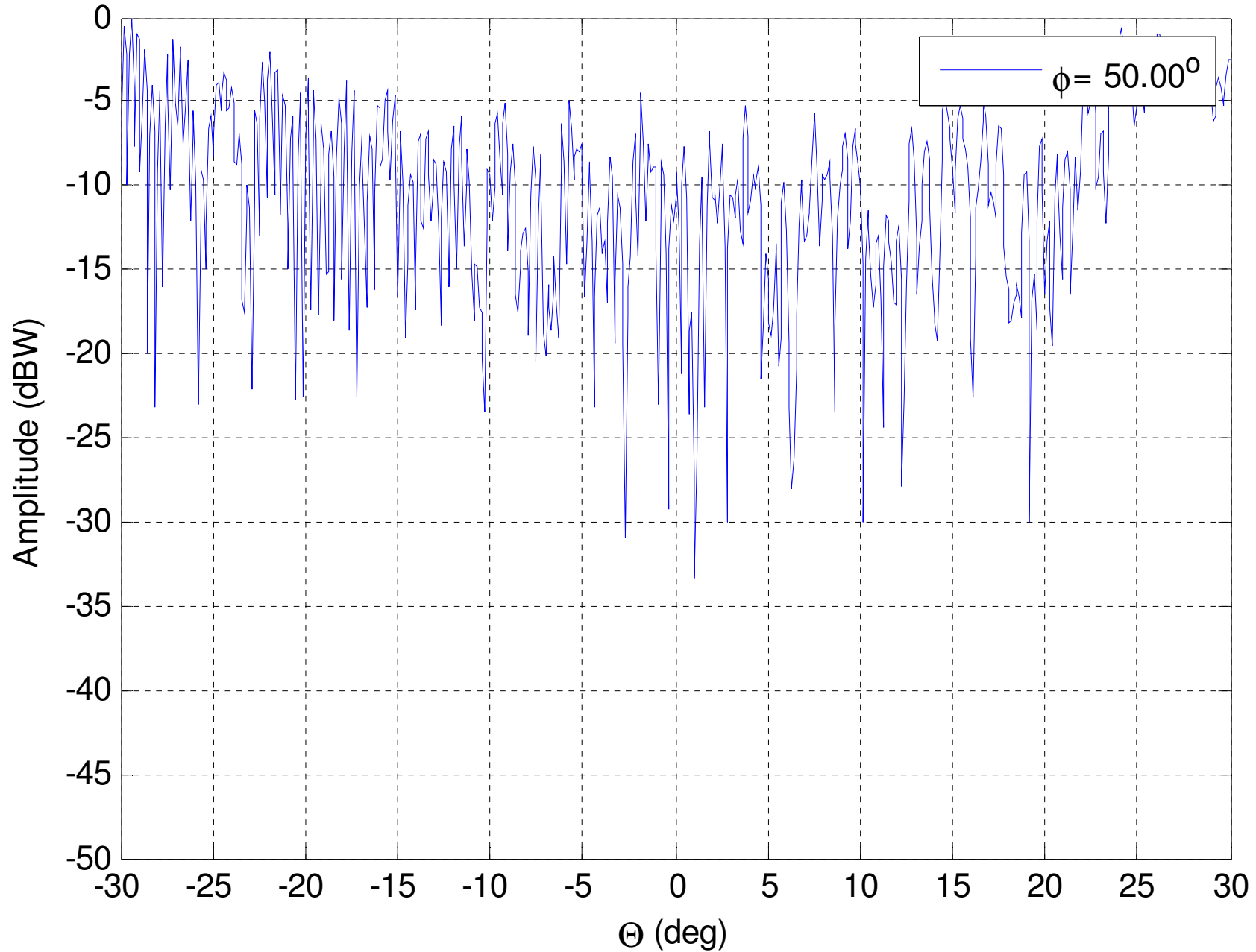
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-40.cut, Peak: 4.79 dBW, Date: 09-Mar-2012



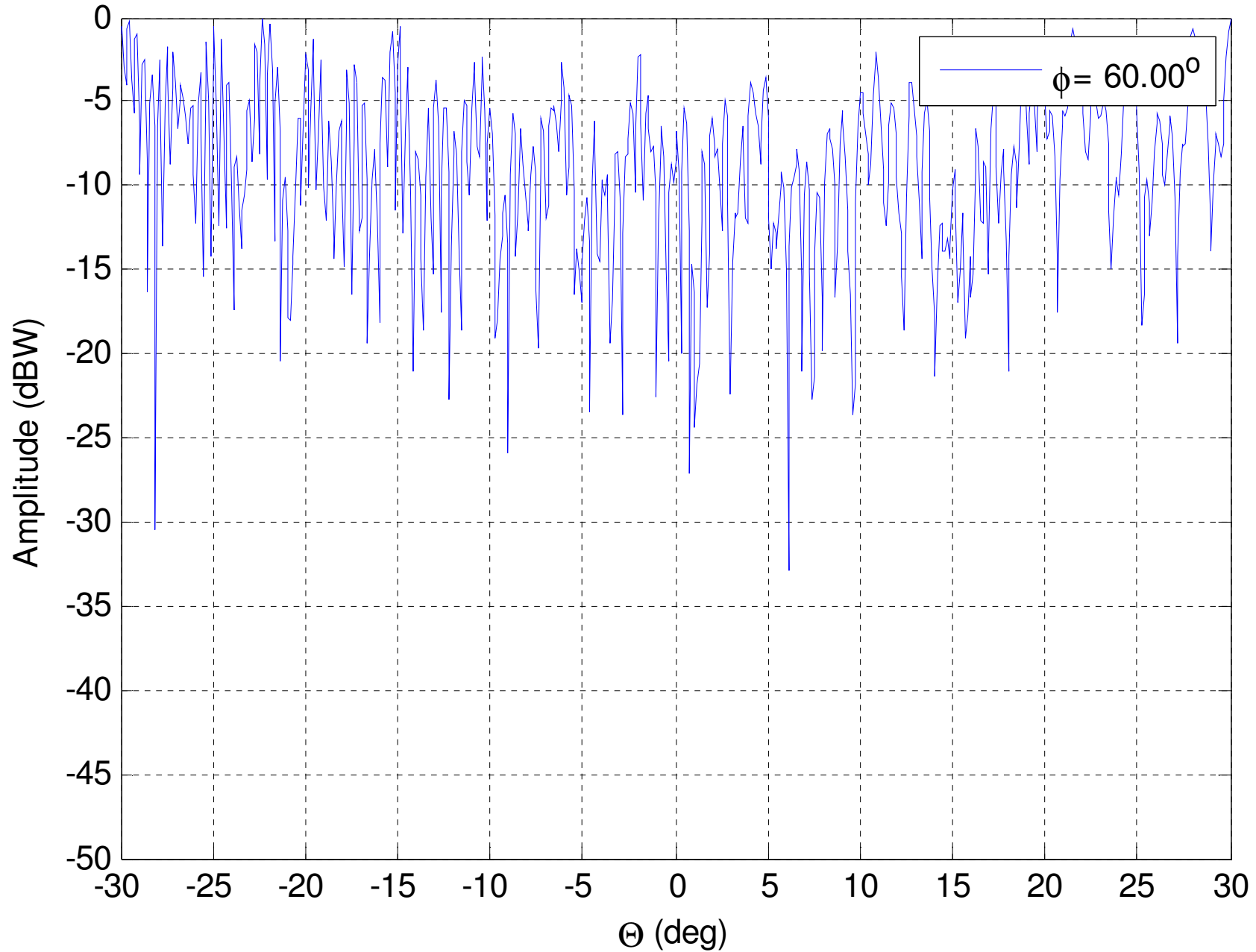
Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-50.cut, Peak: 3.28 dBW, Date: 09-Mar-2012



Normalized pattern cuts - farfield

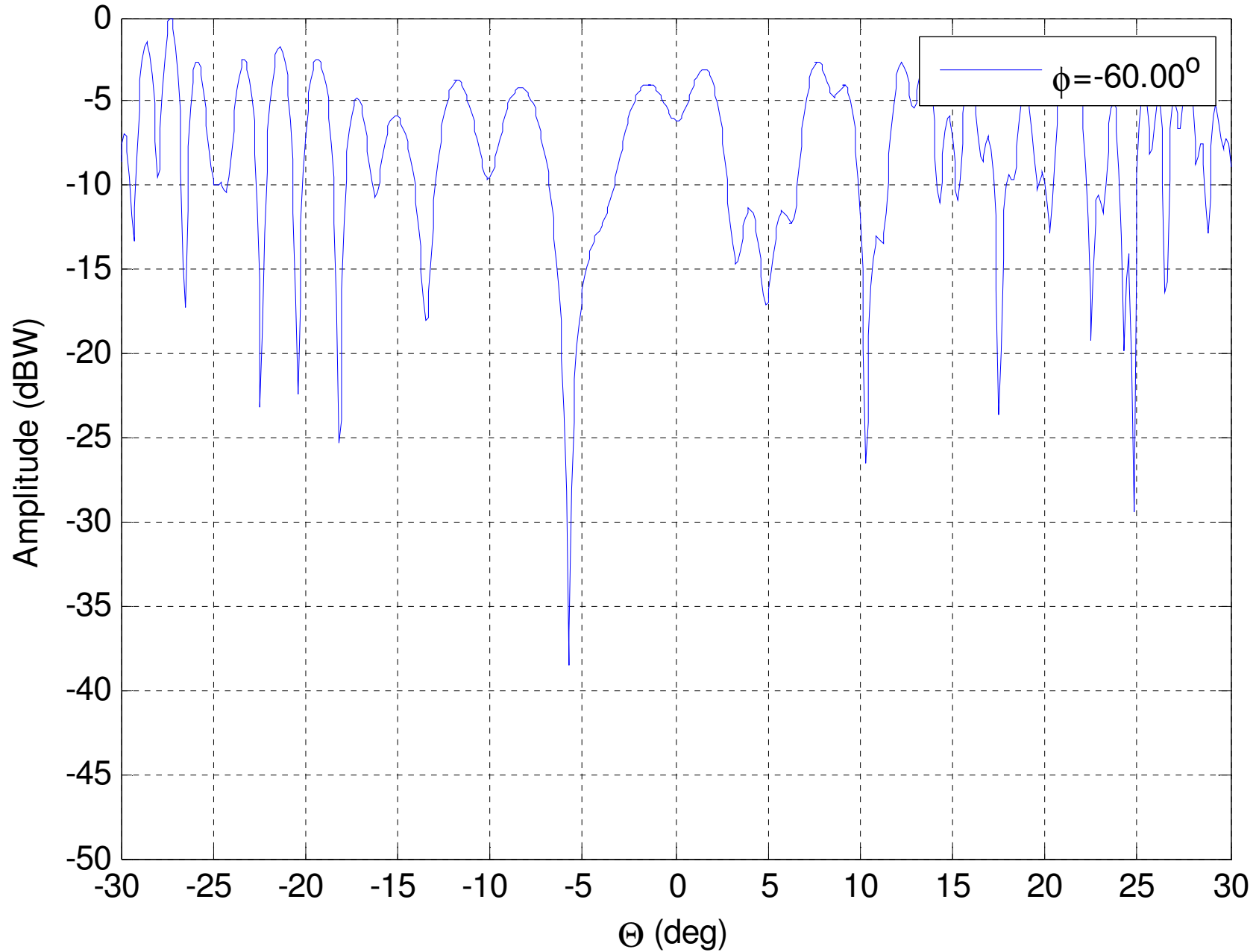
Input file: tx-17.5-lhcp-60.cut, Peak: 1.02 dBW, Date: 09-Mar-2012



RHCP at 17.695 GHz

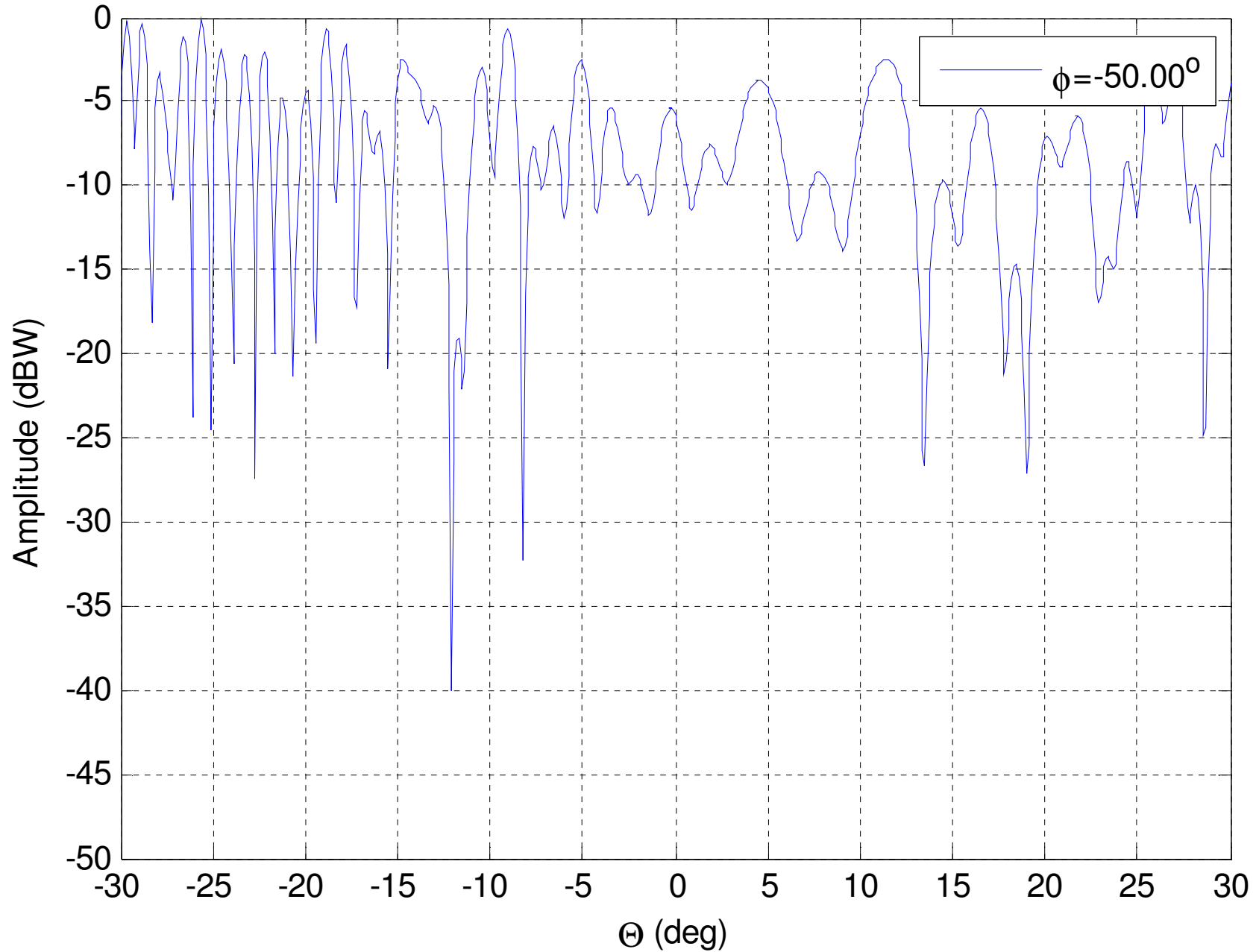
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--60.cut, Peak: -0.44 dBW, Date: 09-Mar-2012



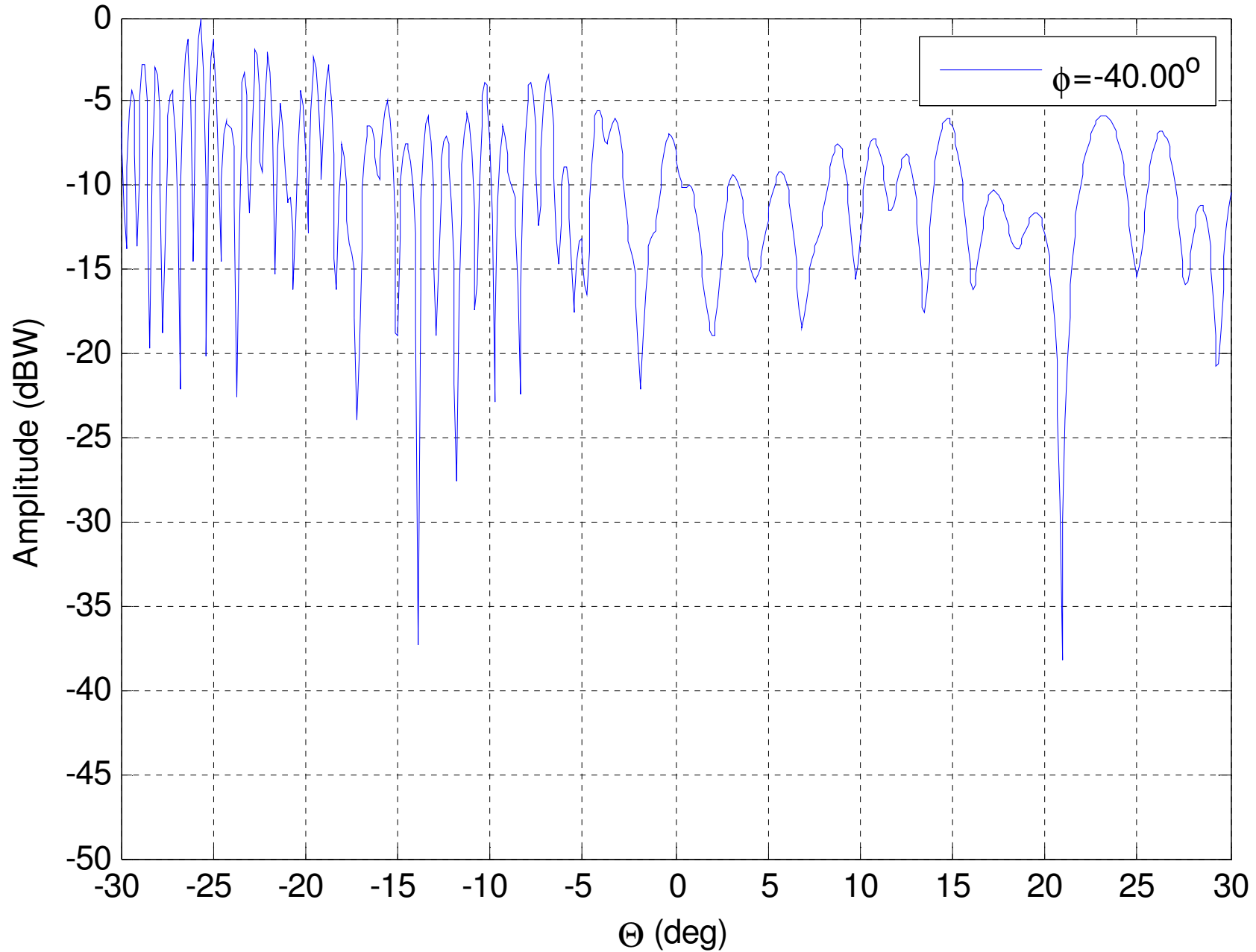
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--50.cut, Peak: -0.74 dBW, Date: 09-Mar-2012



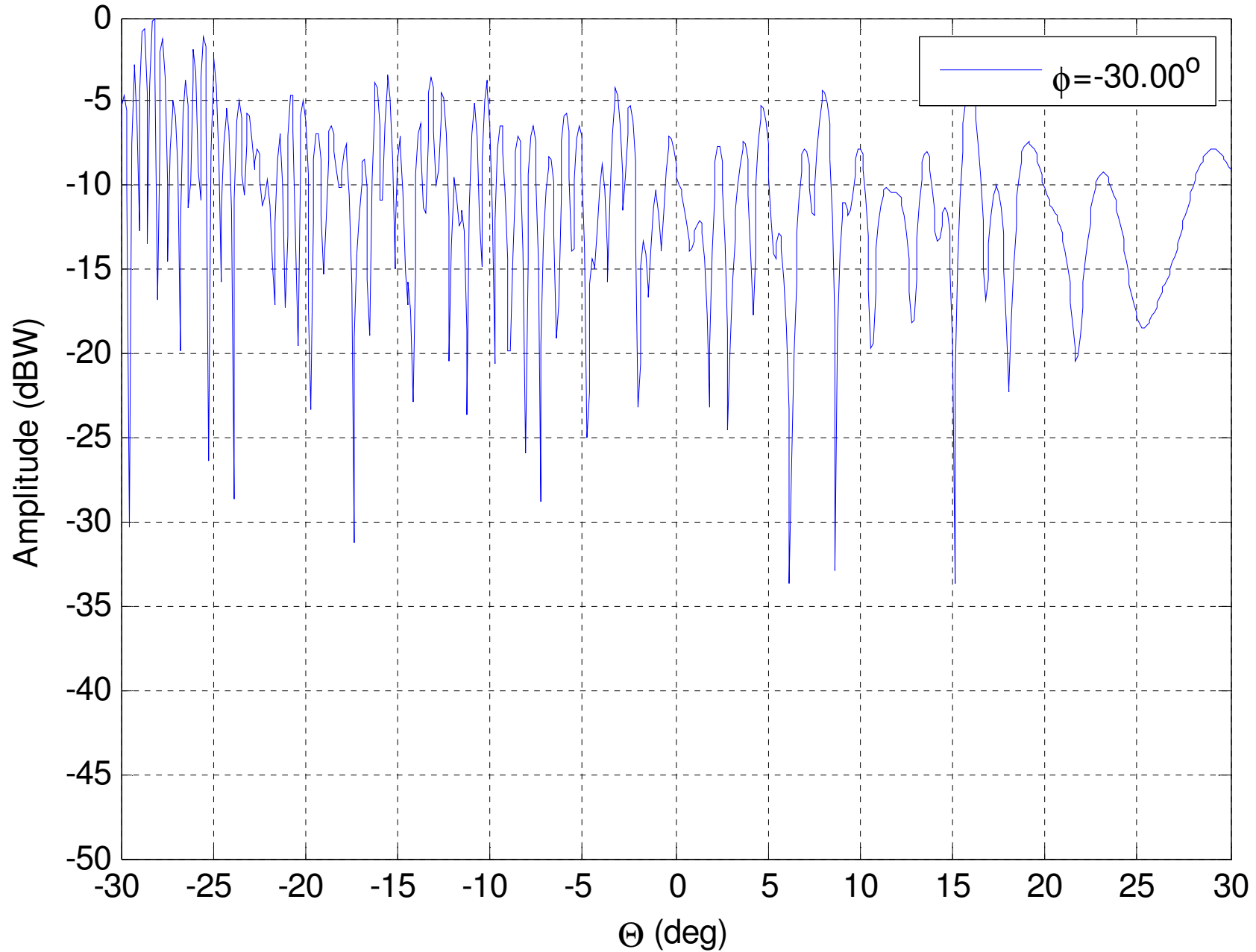
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--40.cut, Peak: 1.36 dBW, Date: 09-Mar-2012



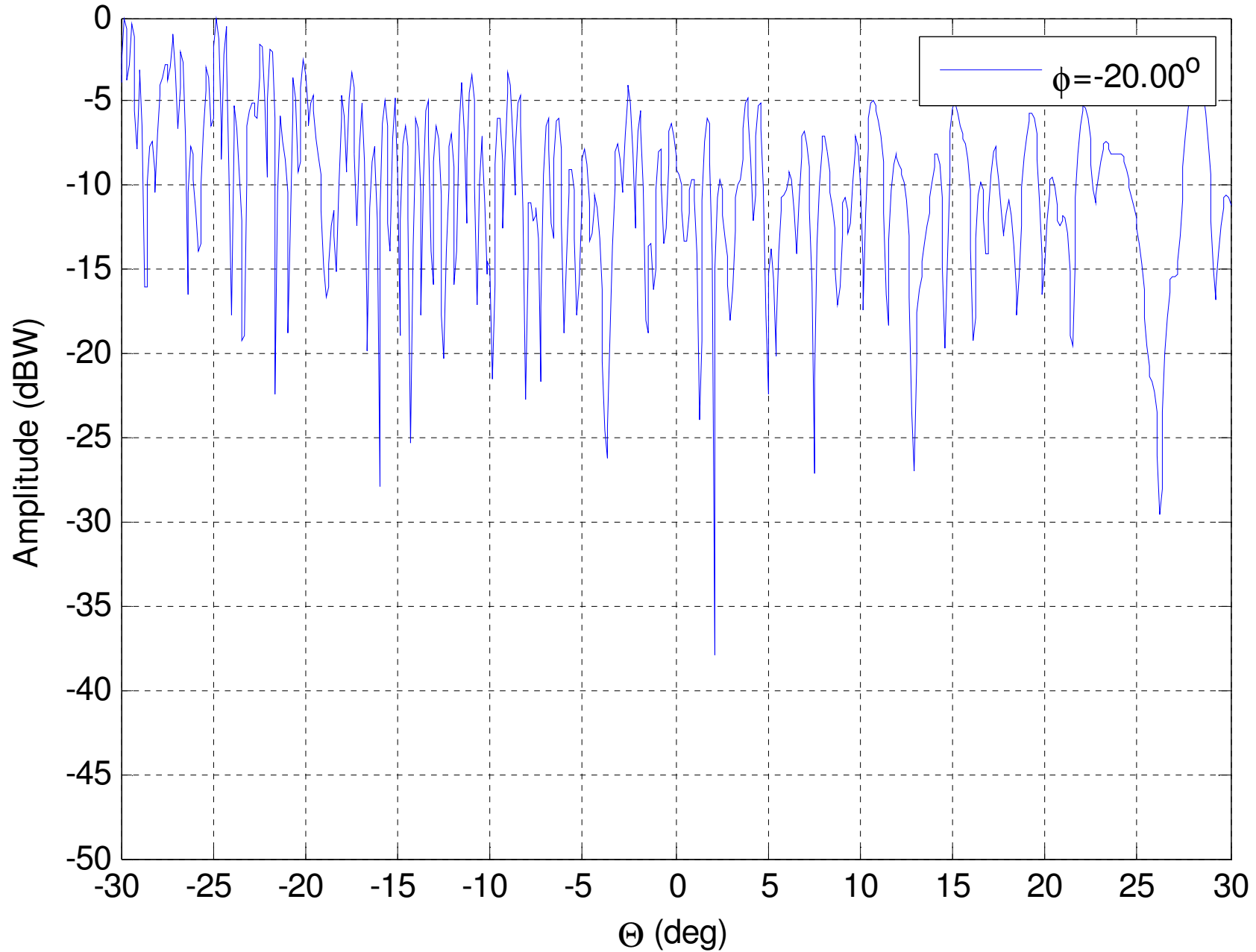
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--30.cut, Peak: 2.14 dBW, Date: 09-Mar-2012



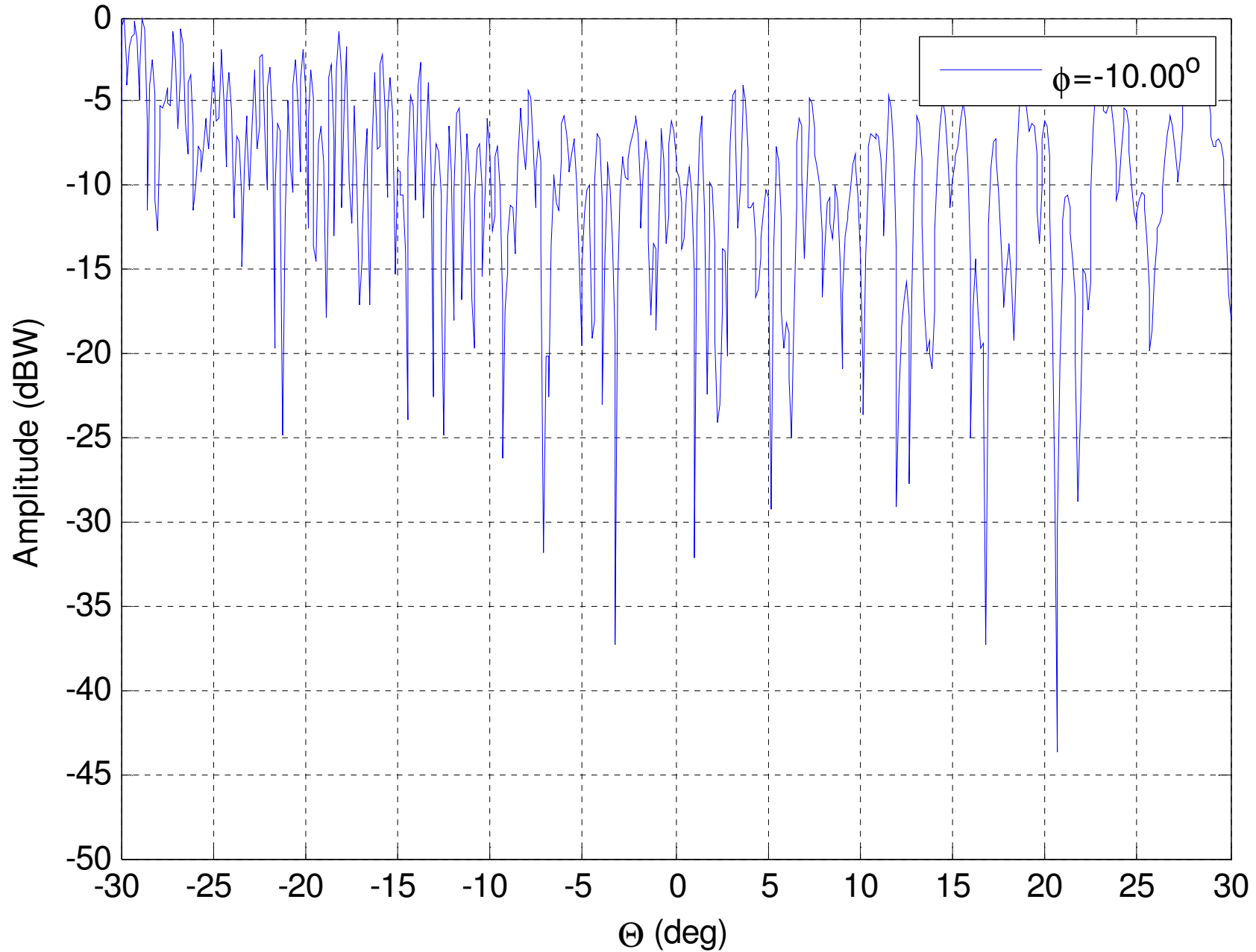
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--20.cut, Peak: 1.71 dBW, Date: 09-Mar-2012



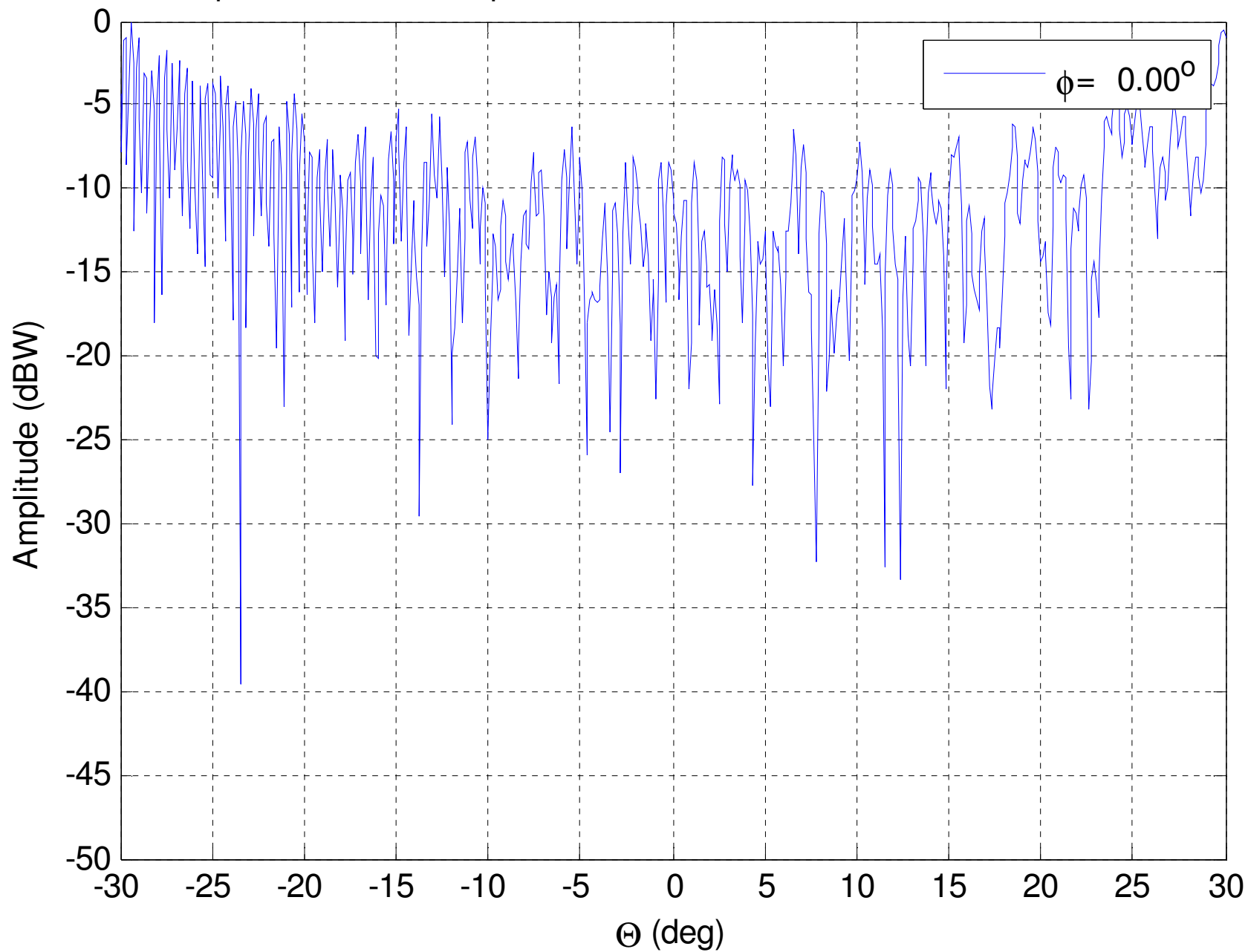
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--10.cut, Peak: 1.78 dBW, Date: 09-Mar-2012



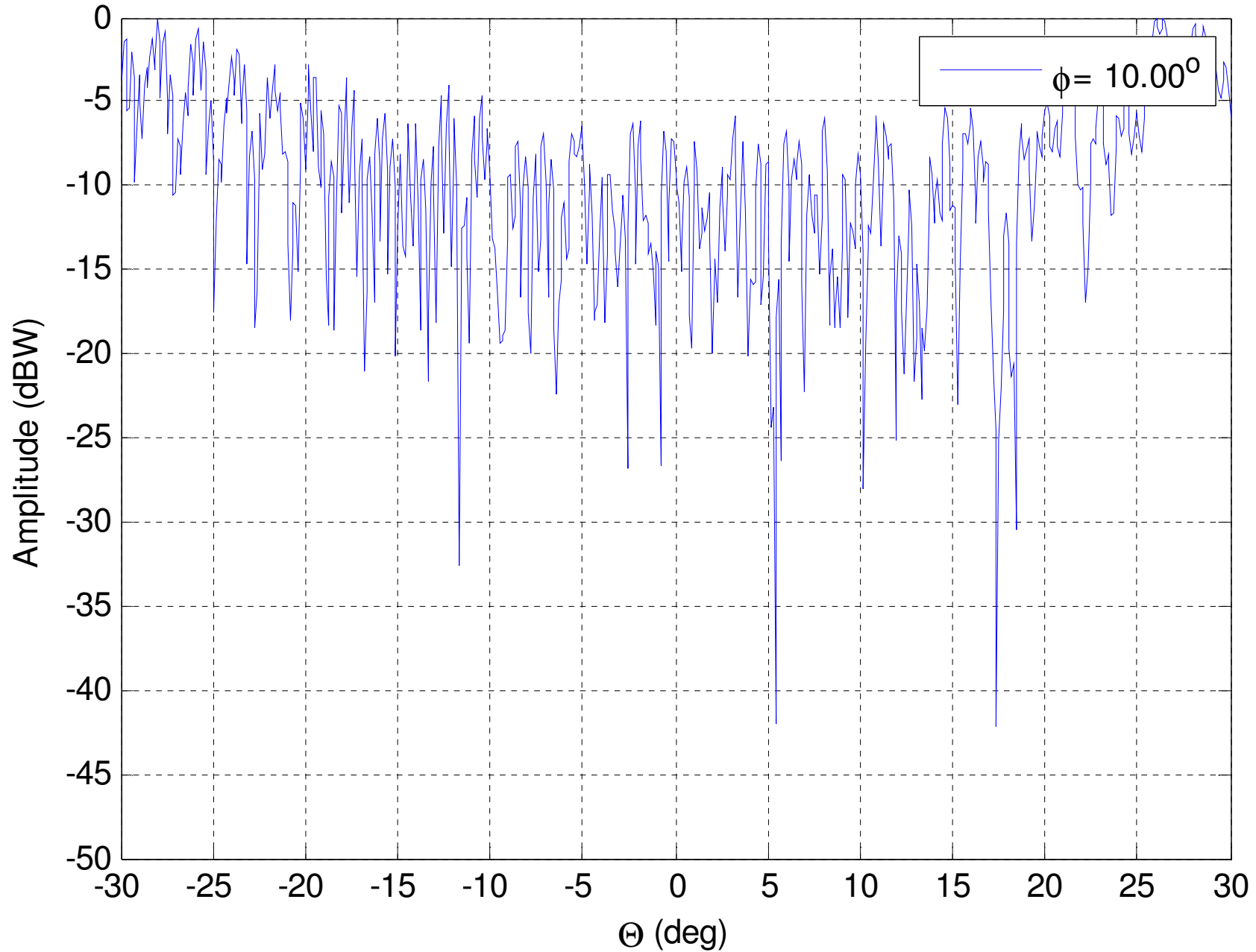
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-0.cut, Peak: 4.16 dBW, Date: 09-Mar-2012



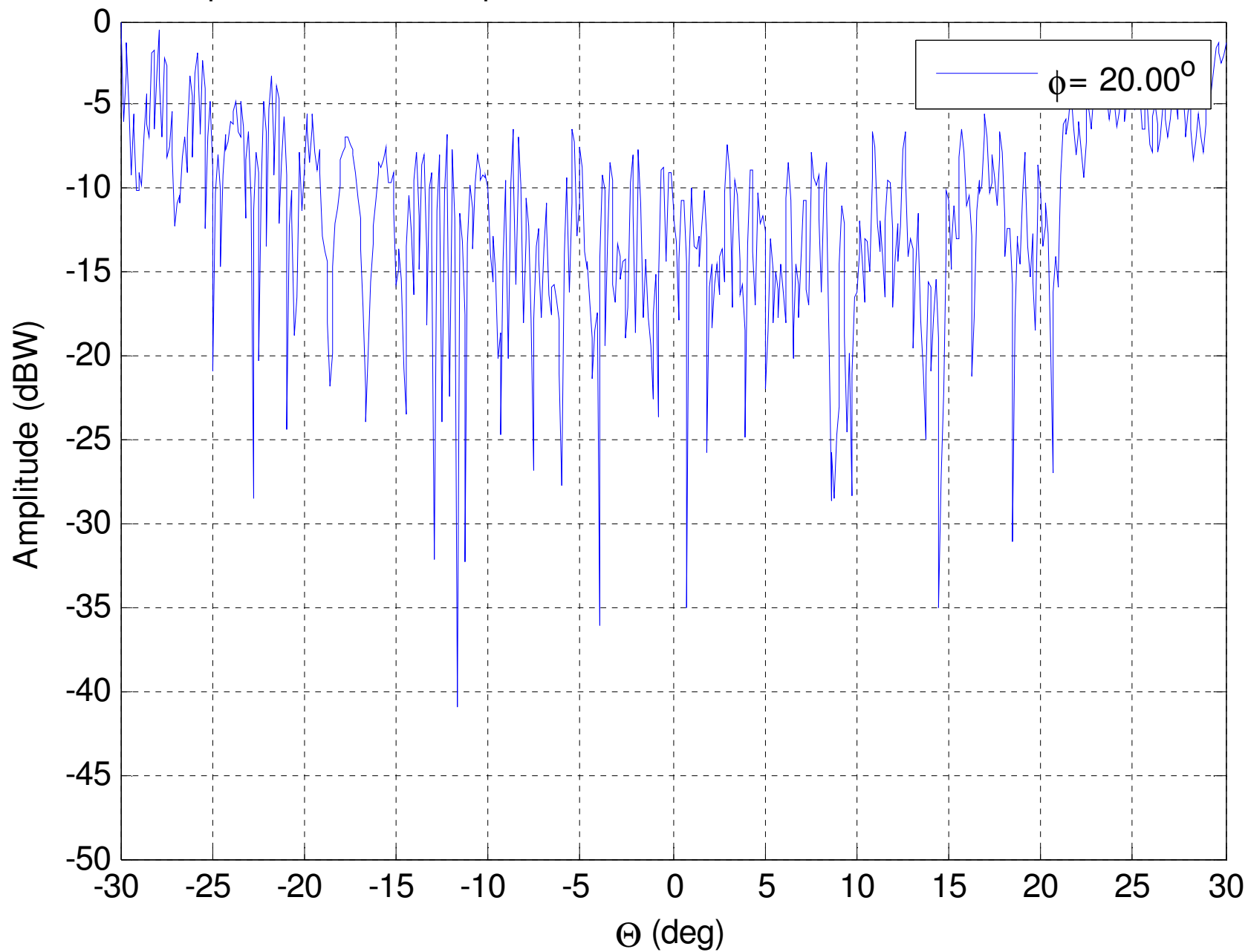
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-10.cut, Peak: 2.87 dBW, Date: 09-Mar-2012



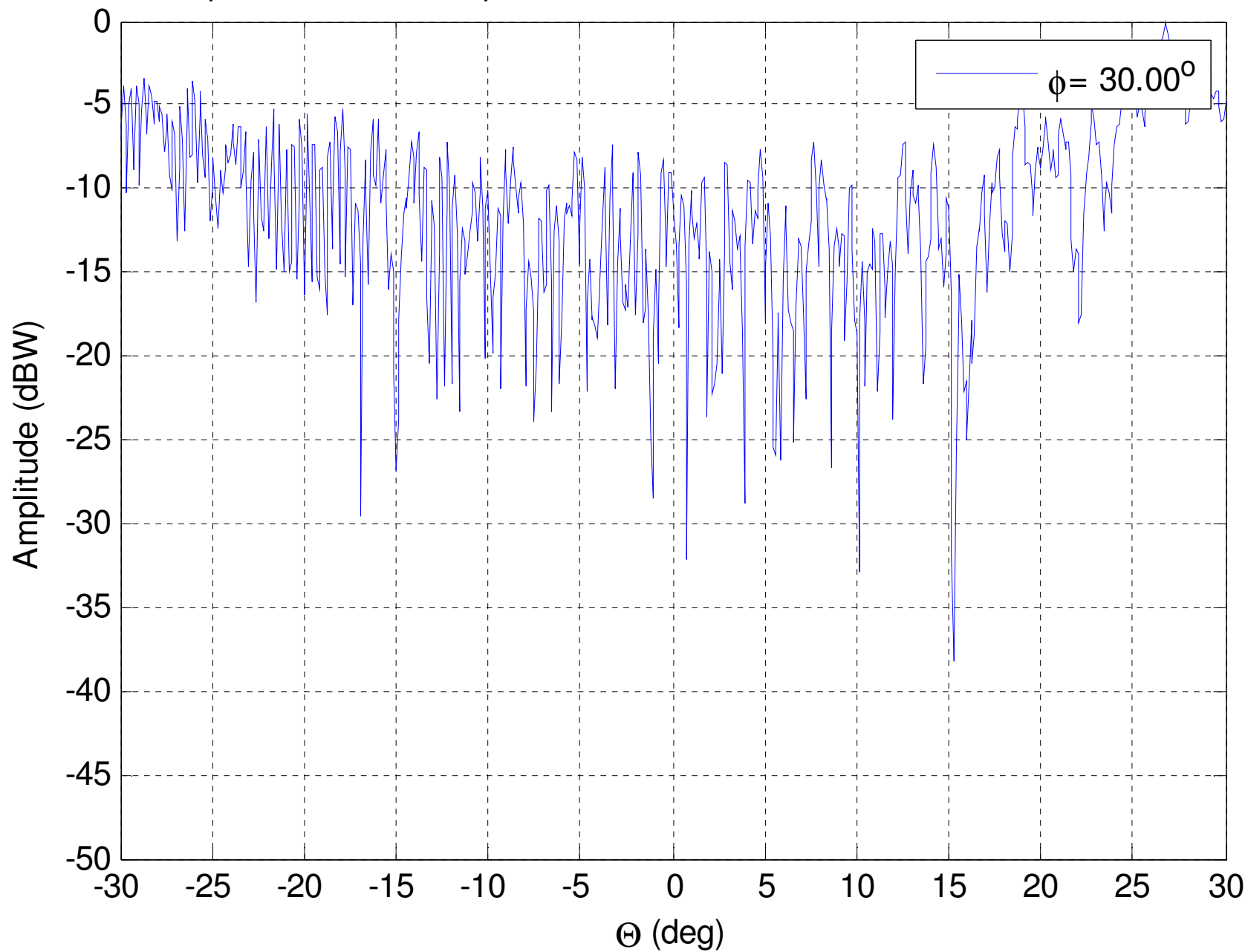
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-20.cut, Peak: 4.66 dBW, Date: 09-Mar-2012



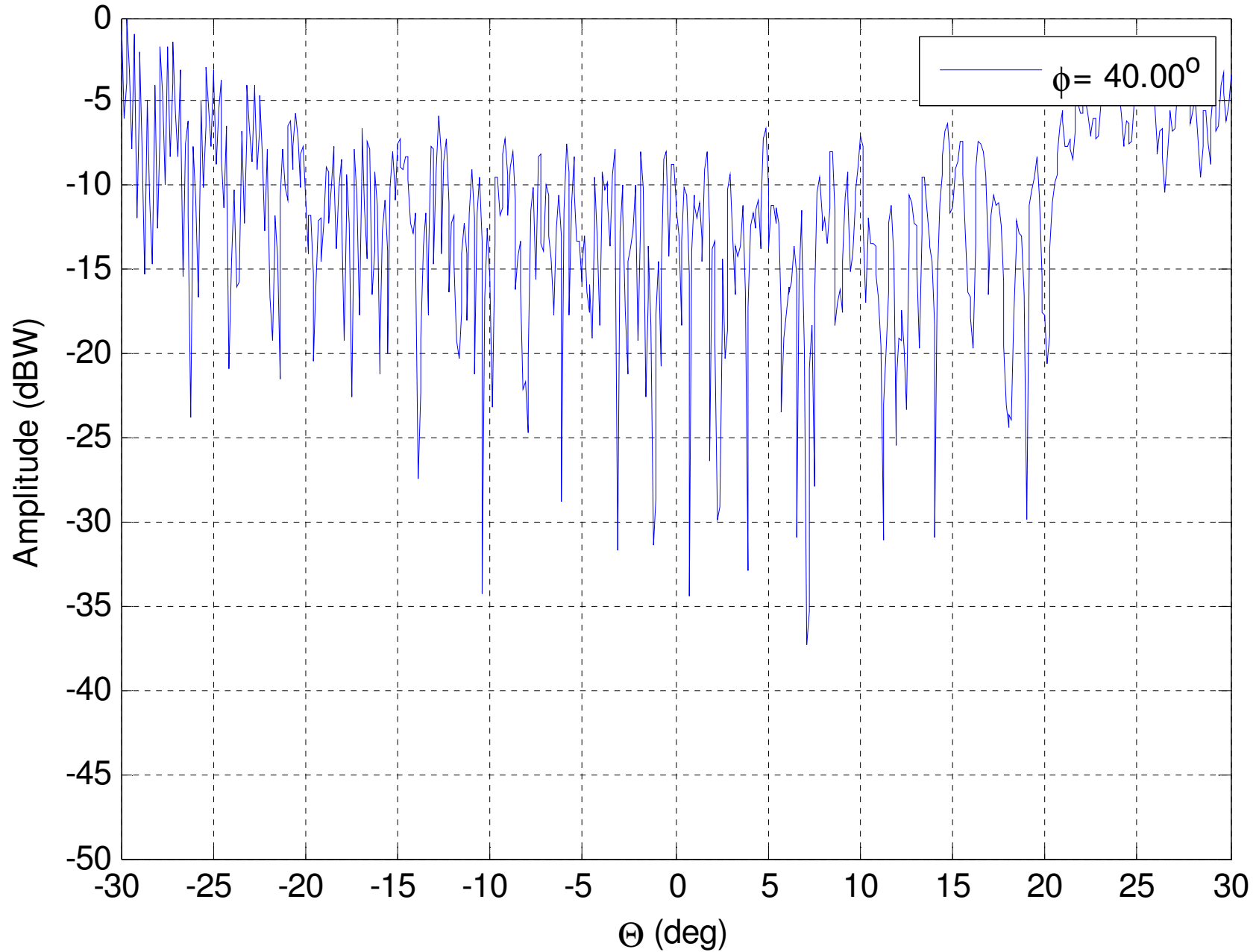
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-30.cut, Peak: 4.68 dBW, Date: 09-Mar-2012



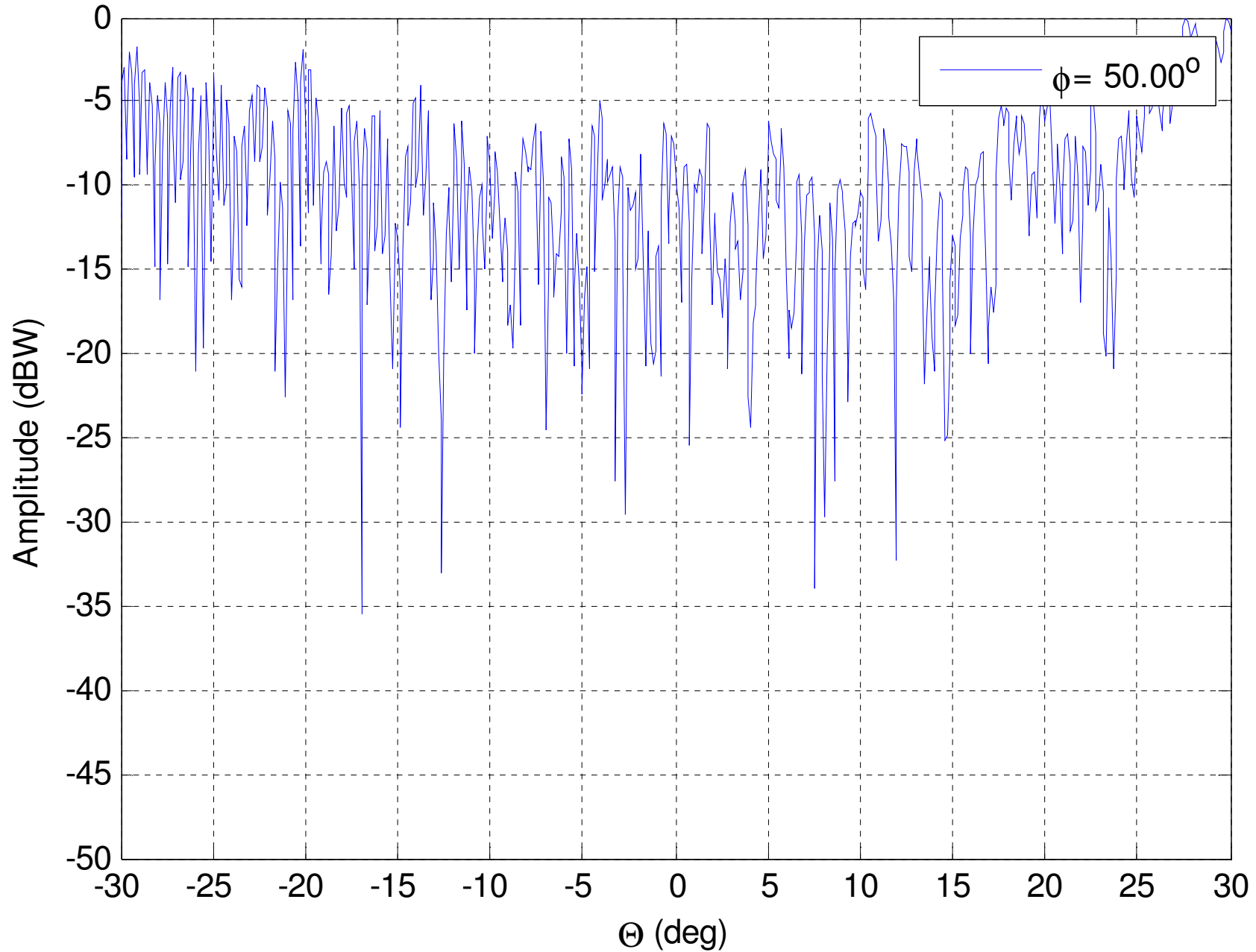
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-40.cut, Peak: 4.51 dBW, Date: 09-Mar-2012



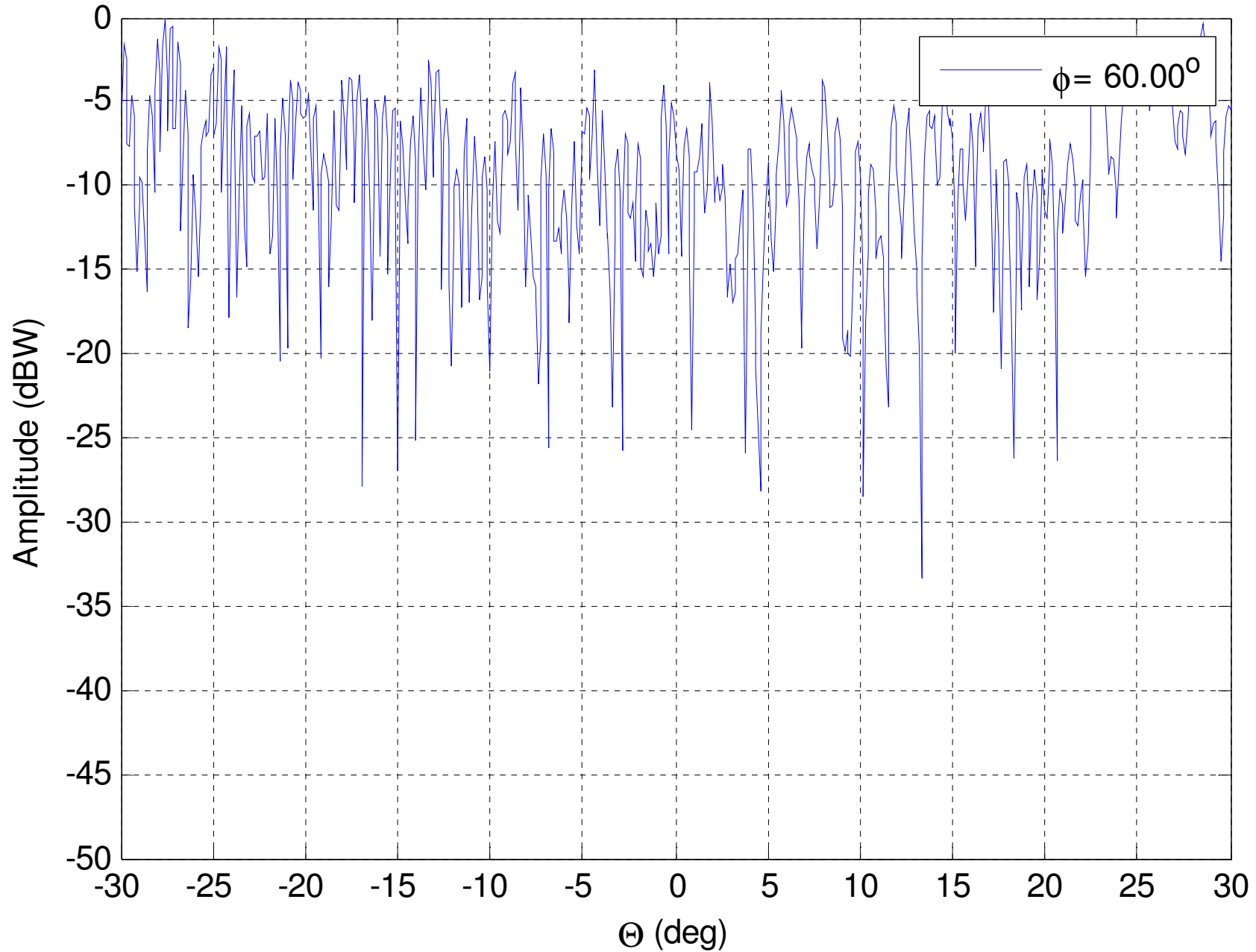
Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-50.cut, Peak: 3.18 dBW, Date: 09-Mar-2012



Normalized pattern cuts - farfield

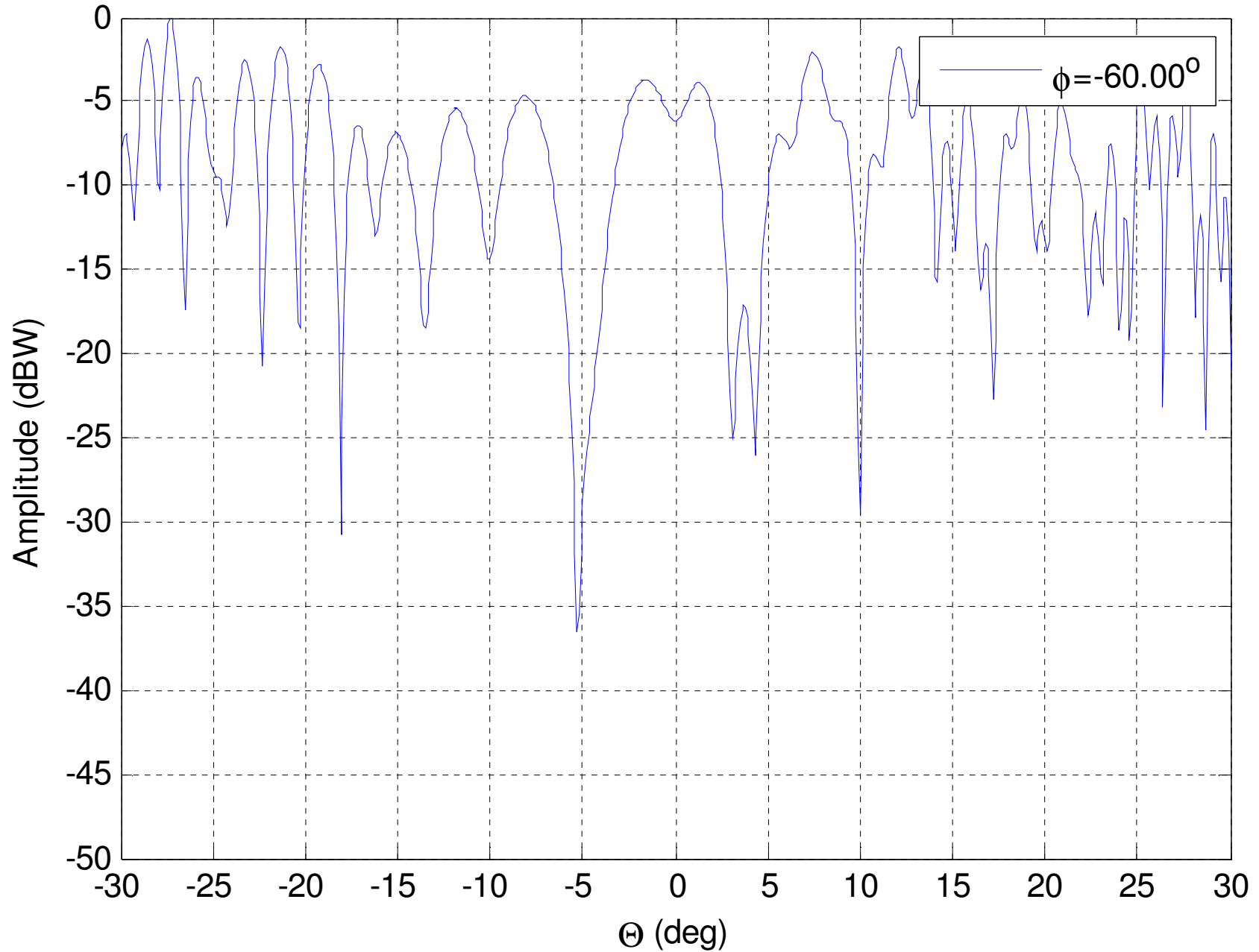
Input file: tx-17.7-rhcp-60.cut, Peak: 1.41 dBW, Date: 09-Mar-2012



LHCP at 17.695 GHz

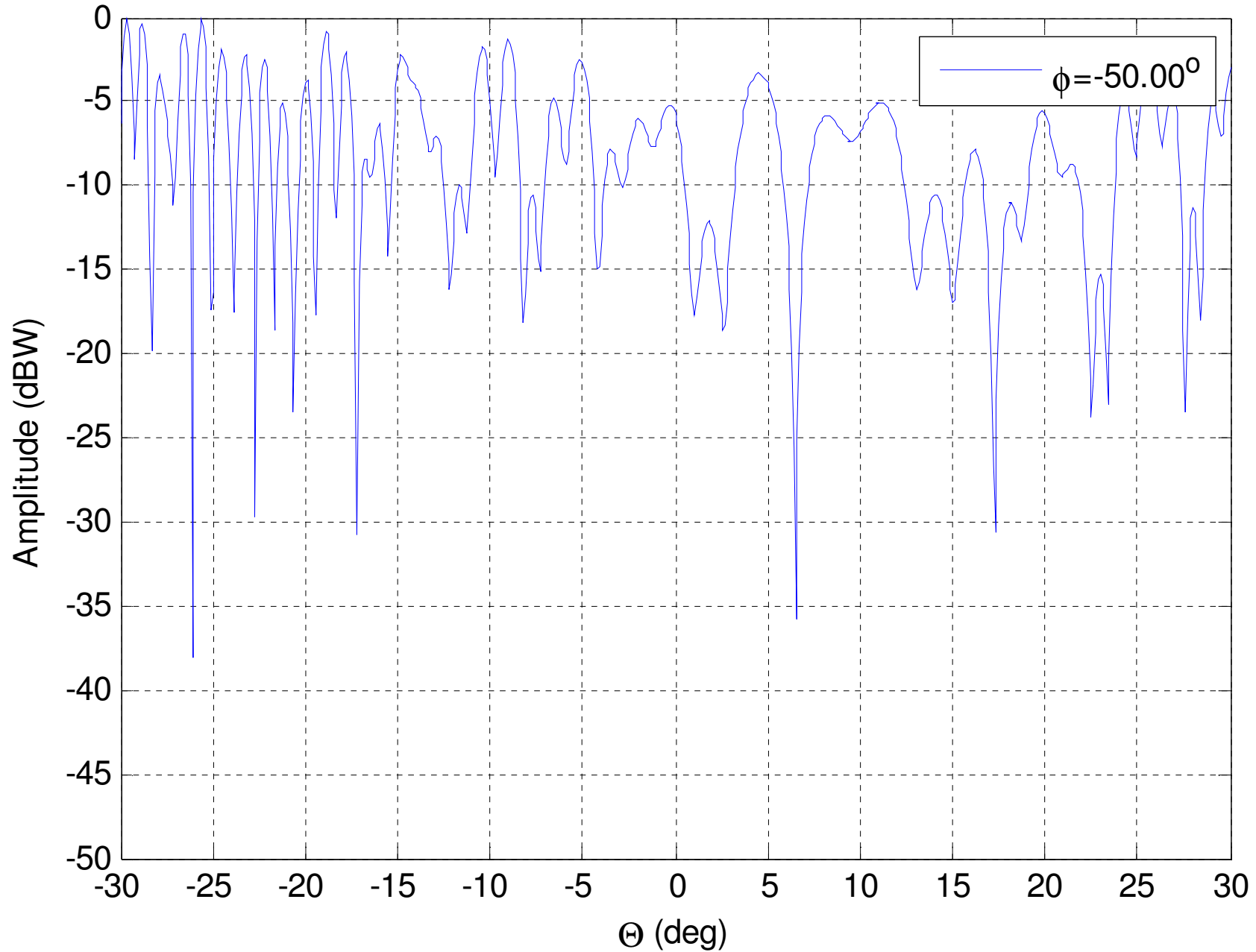
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--60.cut, Peak: -0.33 dBW, Date: 09-Mar-2012



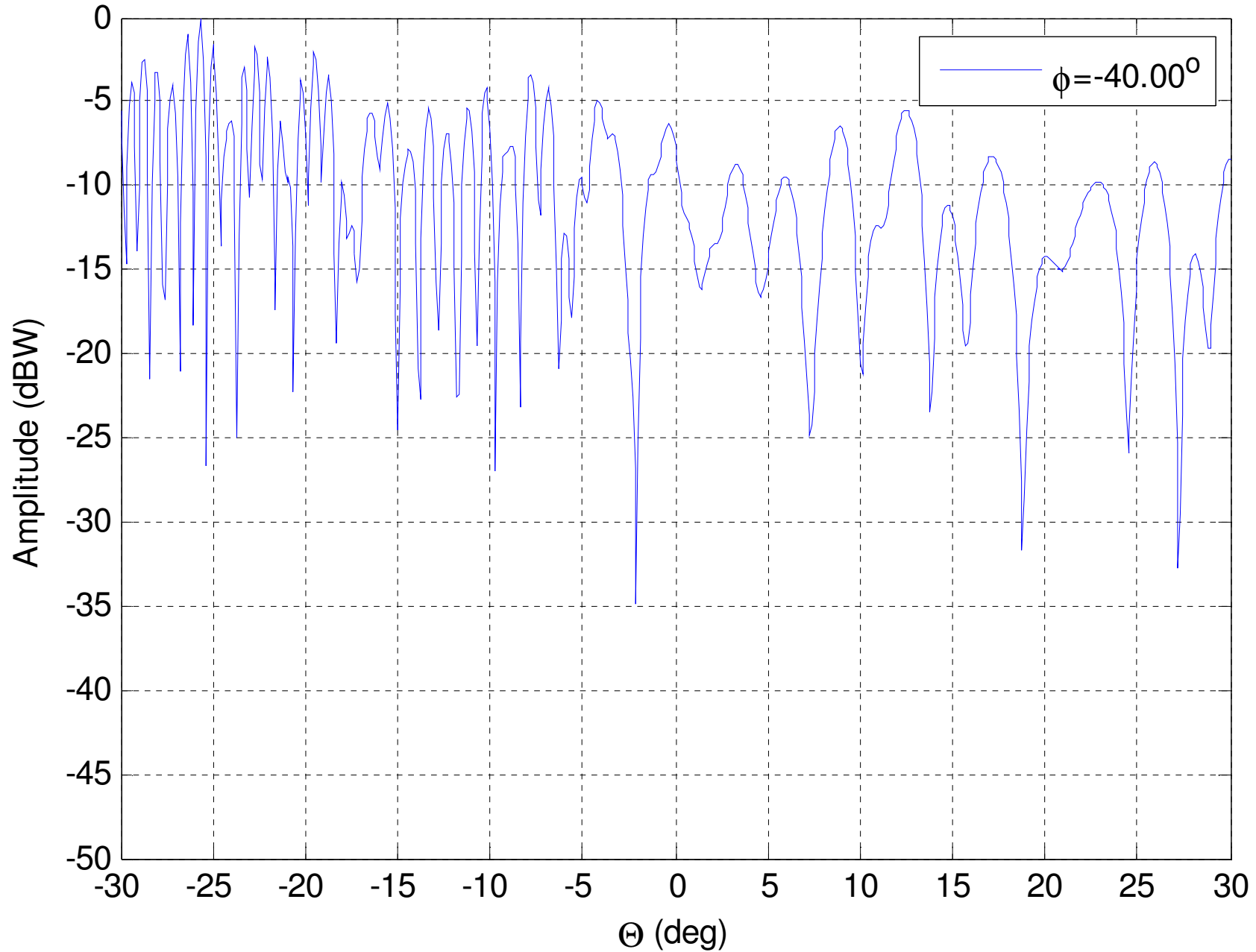
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--50.cut, Peak: -0.73 dBW, Date: 09-Mar-2012



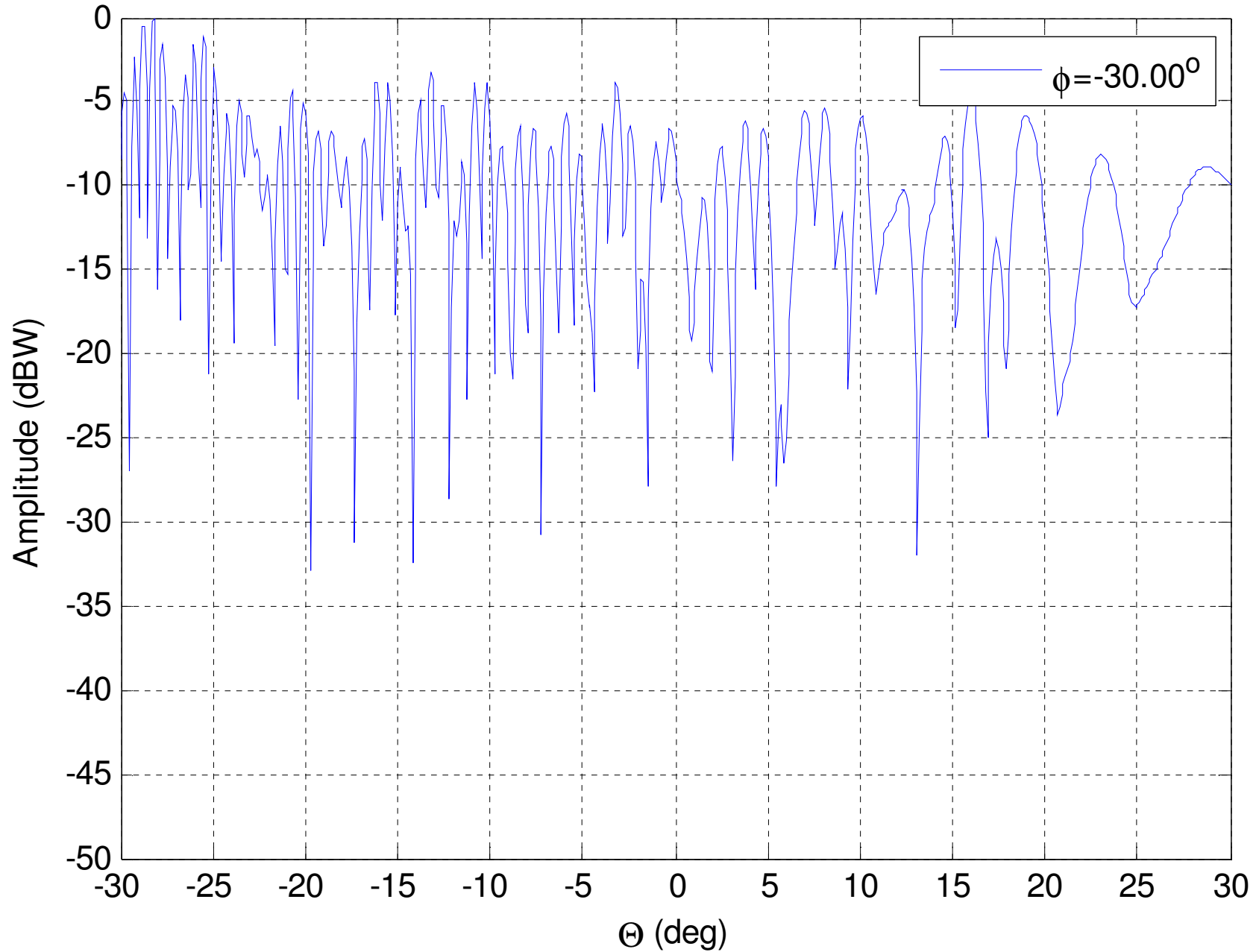
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--40.cut, Peak: 1.23 dBW, Date: 09-Mar-2012



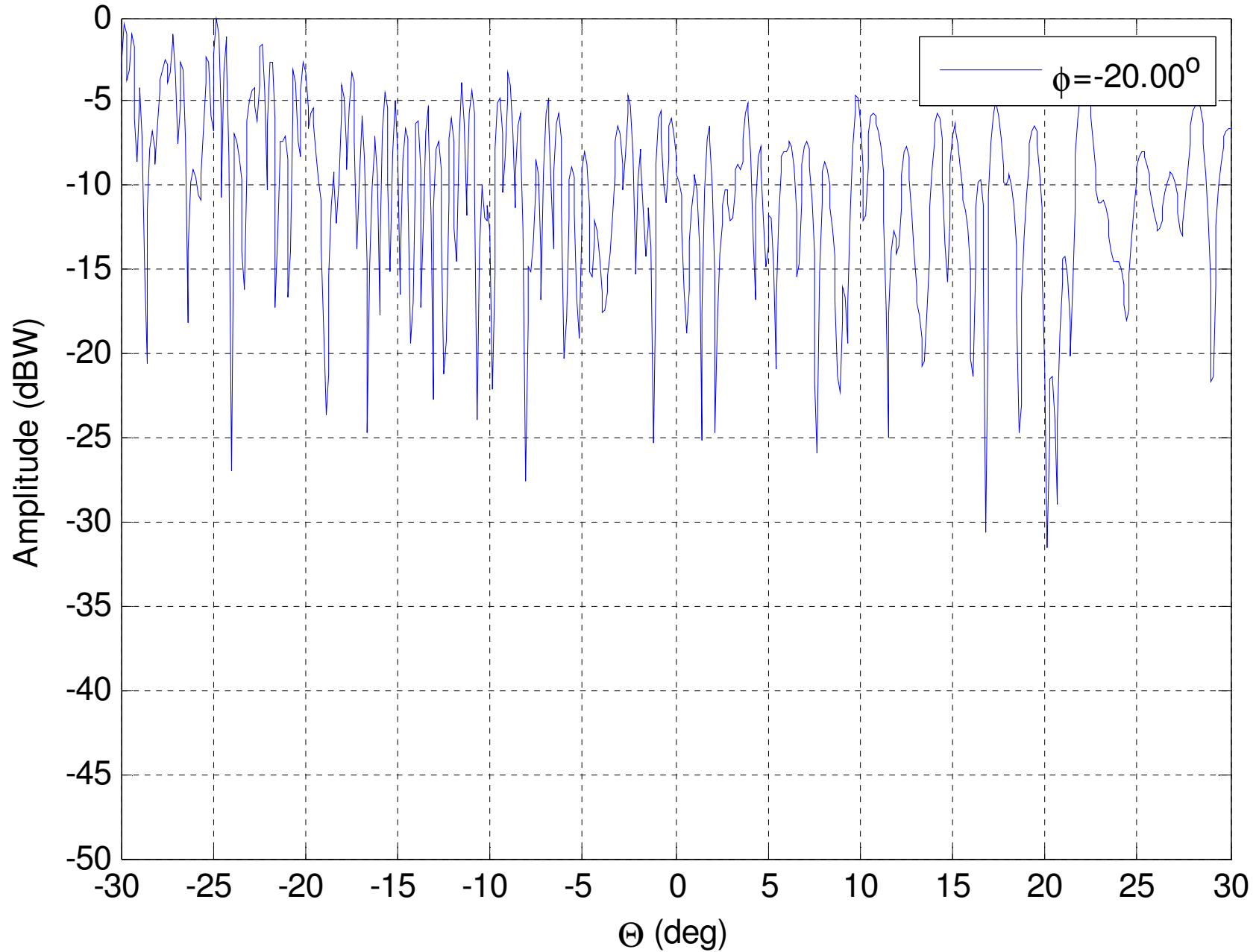
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--30.cut, Peak: 2.08 dBW, Date: 09-Mar-2012



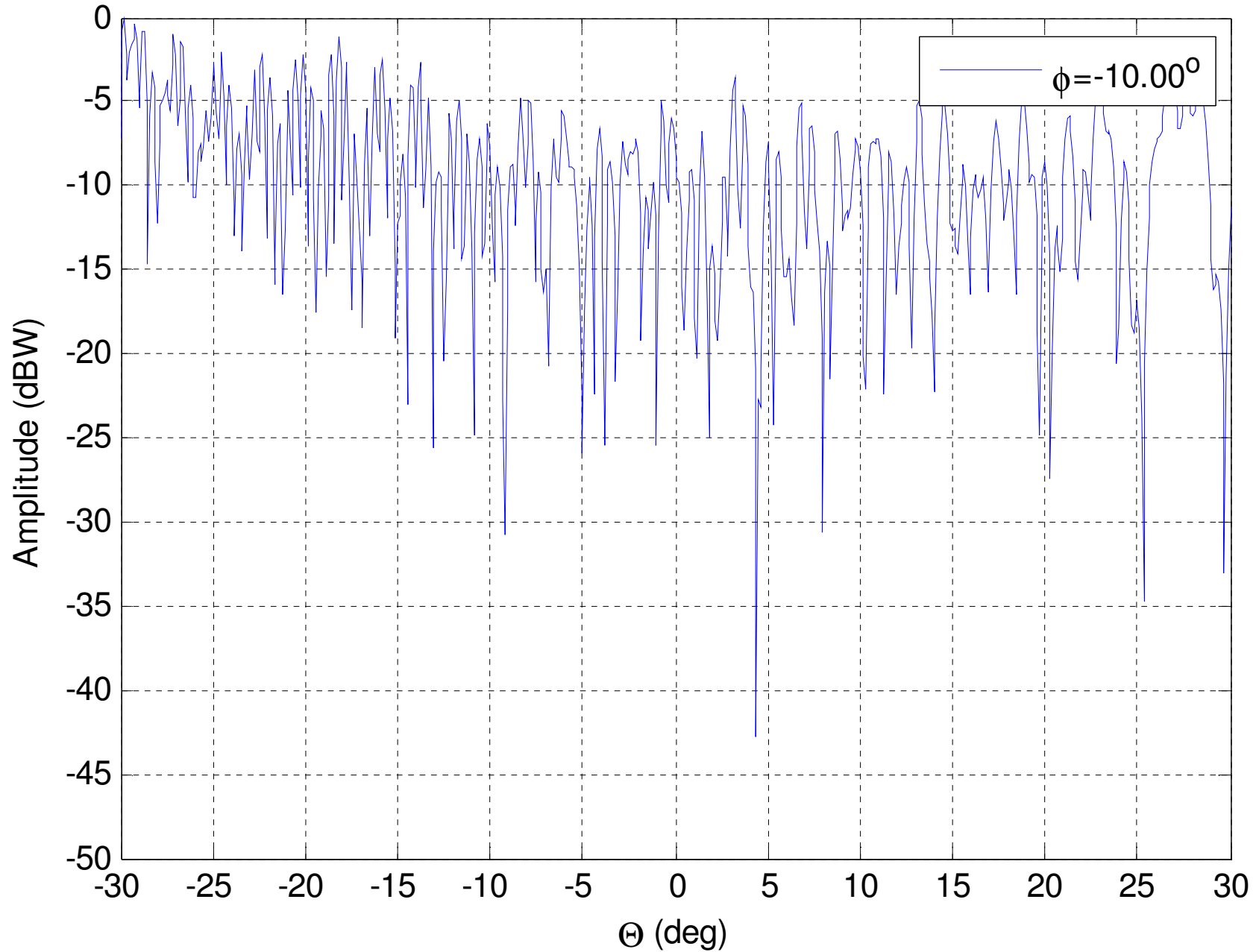
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--20.cut, Peak: 1.78 dBW, Date: 09-Mar-2012



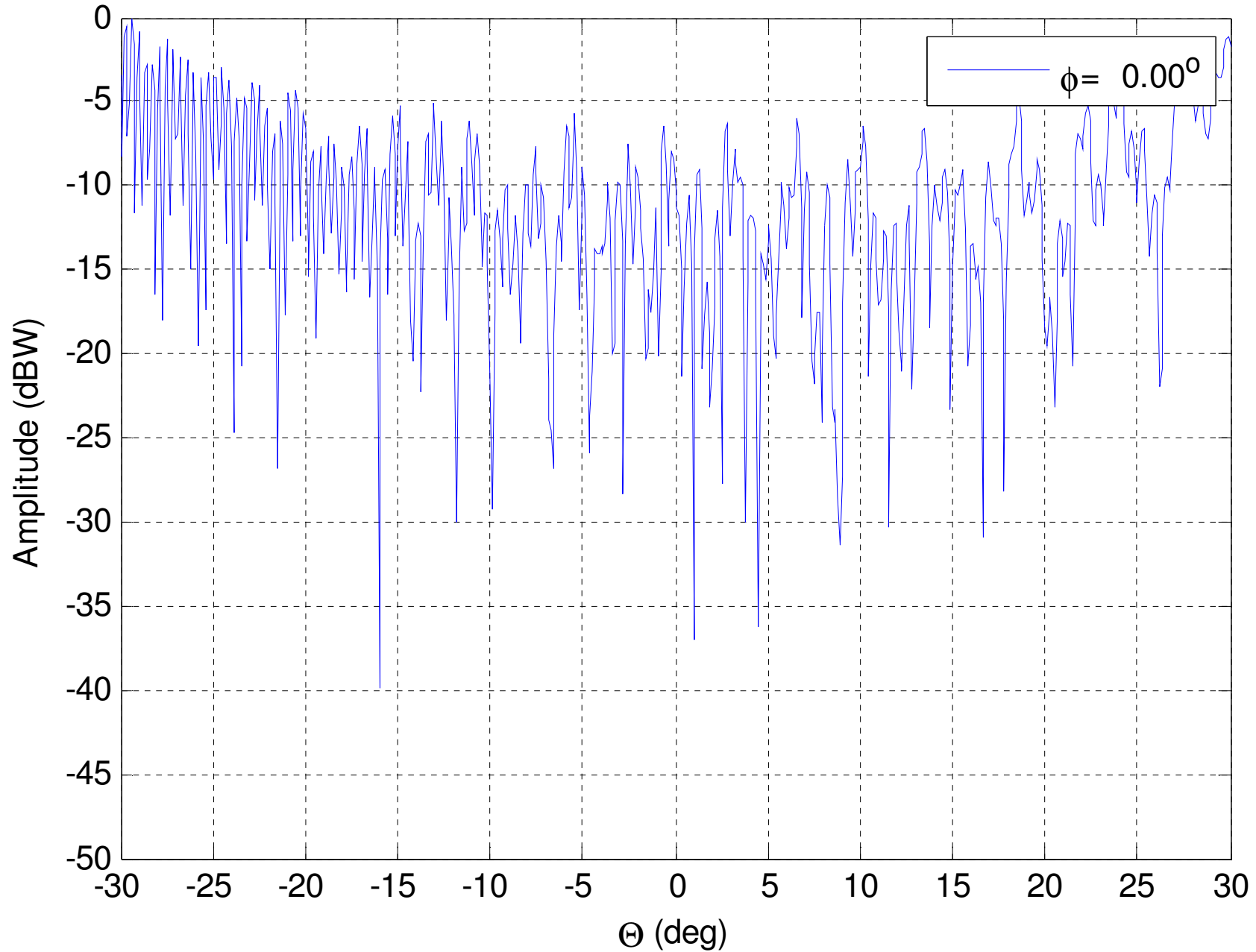
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp--10.cut, Peak: 1.90 dBW, Date: 09-Mar-2012



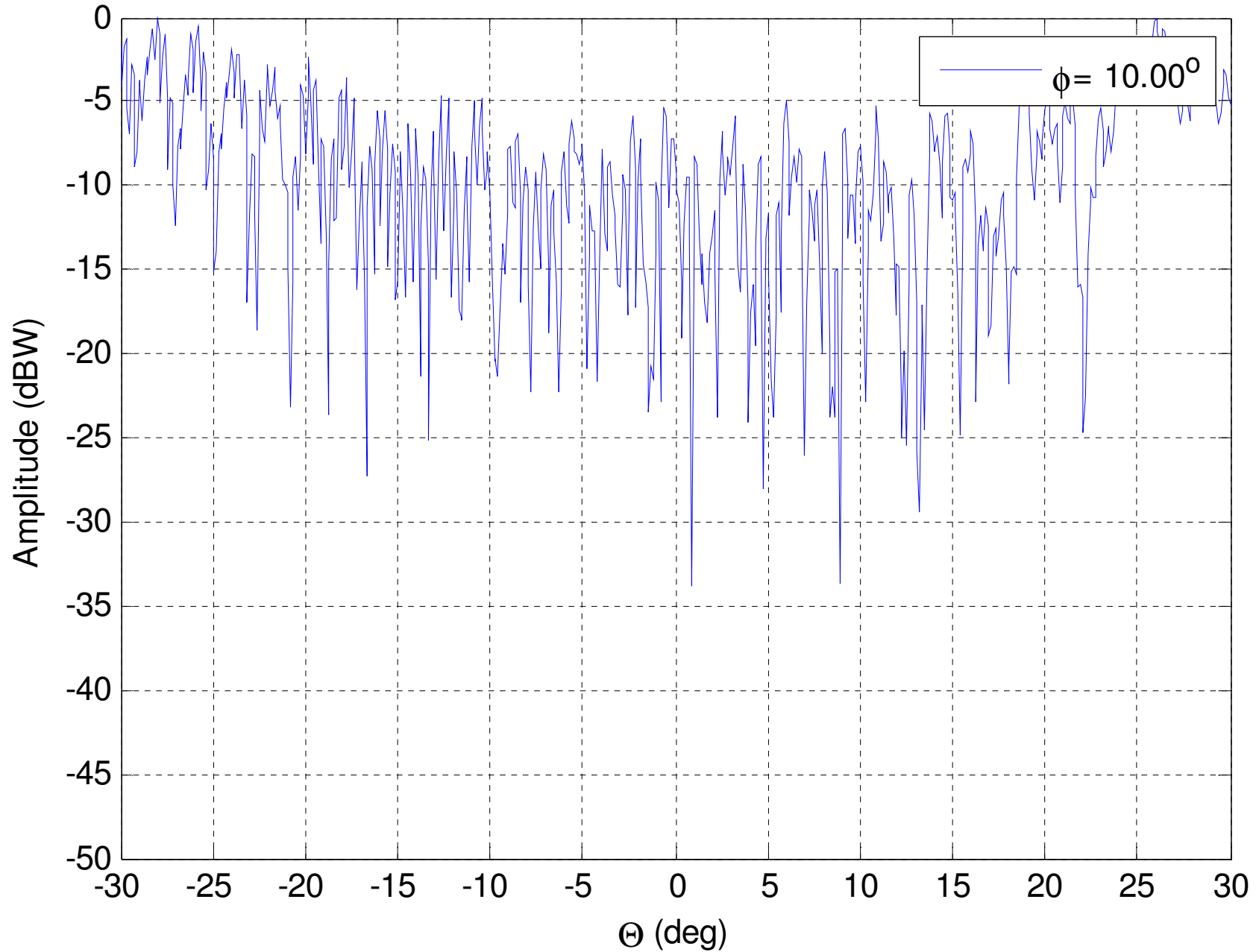
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-0.cut, Peak: 3.87 dBW, Date: 09-Mar-2012



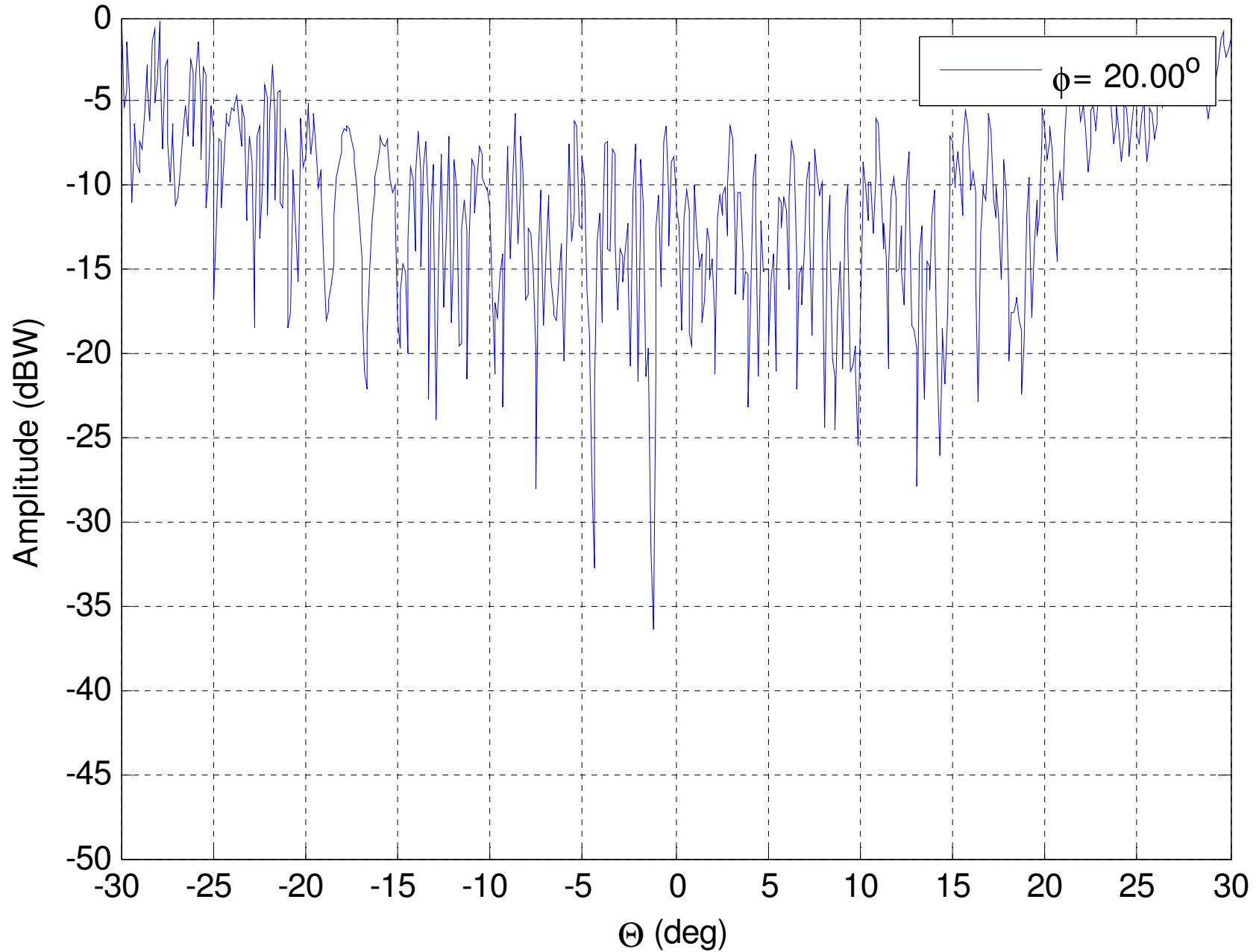
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-10.cut, Peak: 2.85 dBW, Date: 09-Mar-2012



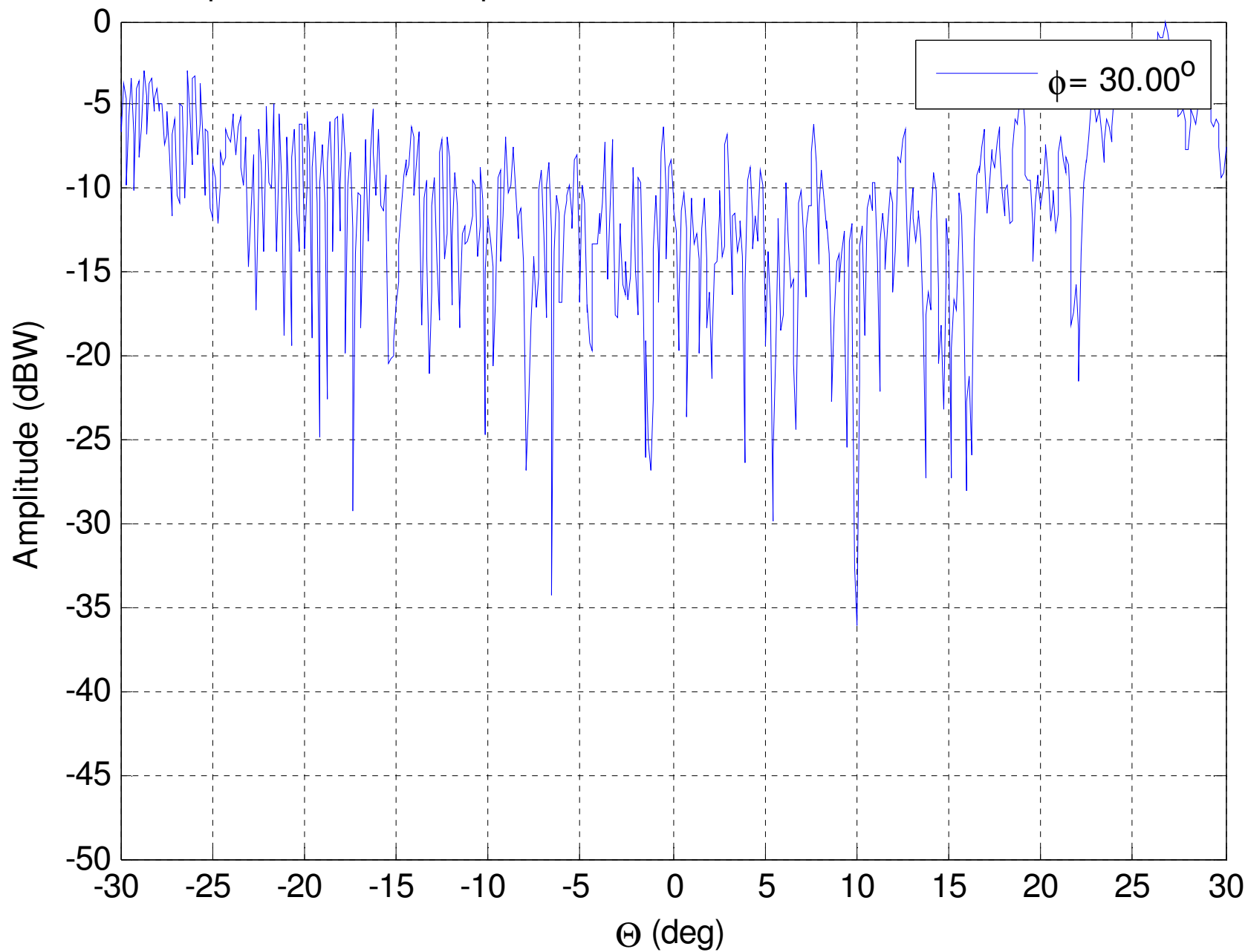
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-20.cut, Peak: 4.16 dBW, Date: 09-Mar-2012



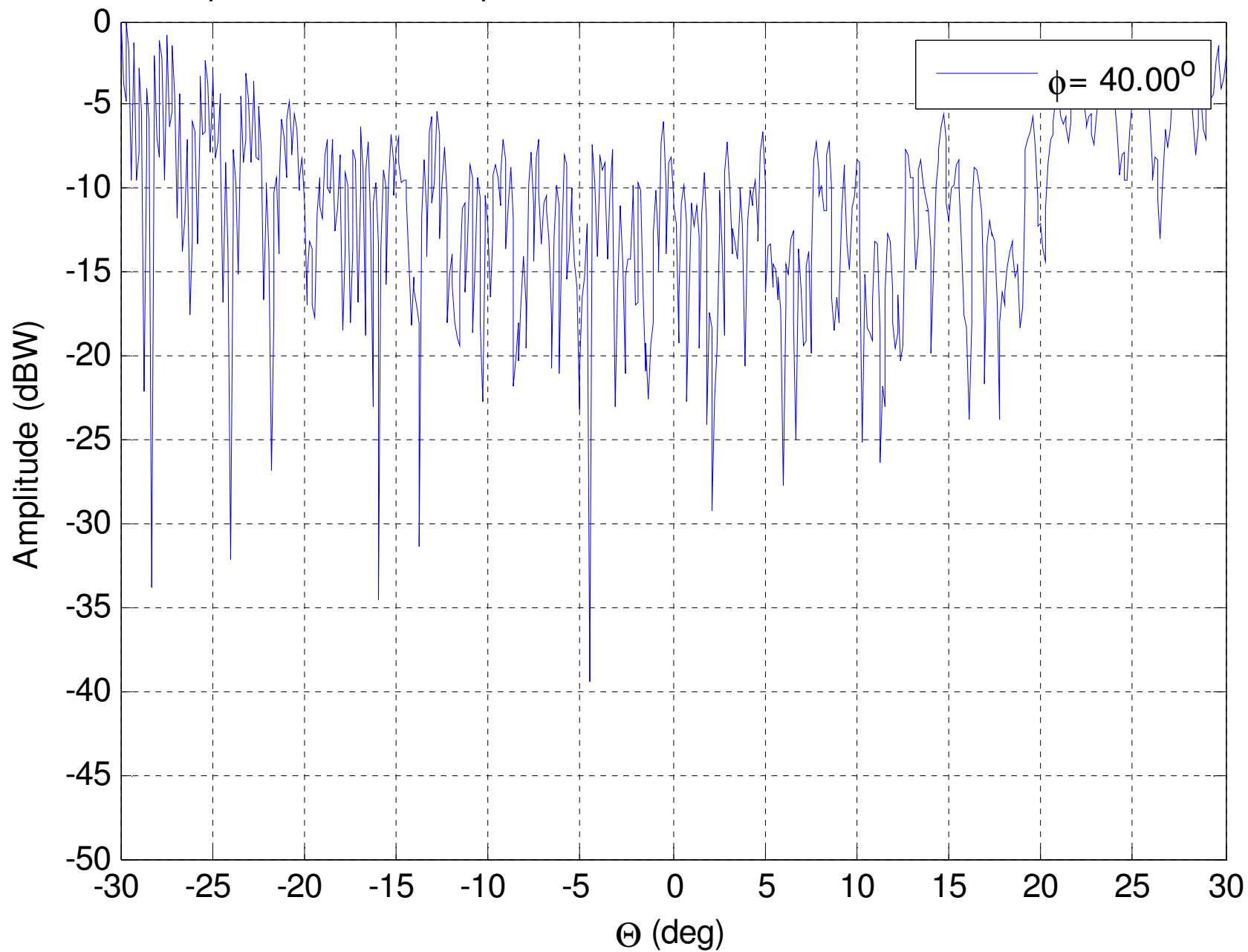
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-30.cut, Peak: 4.26 dBW, Date: 09-Mar-2012



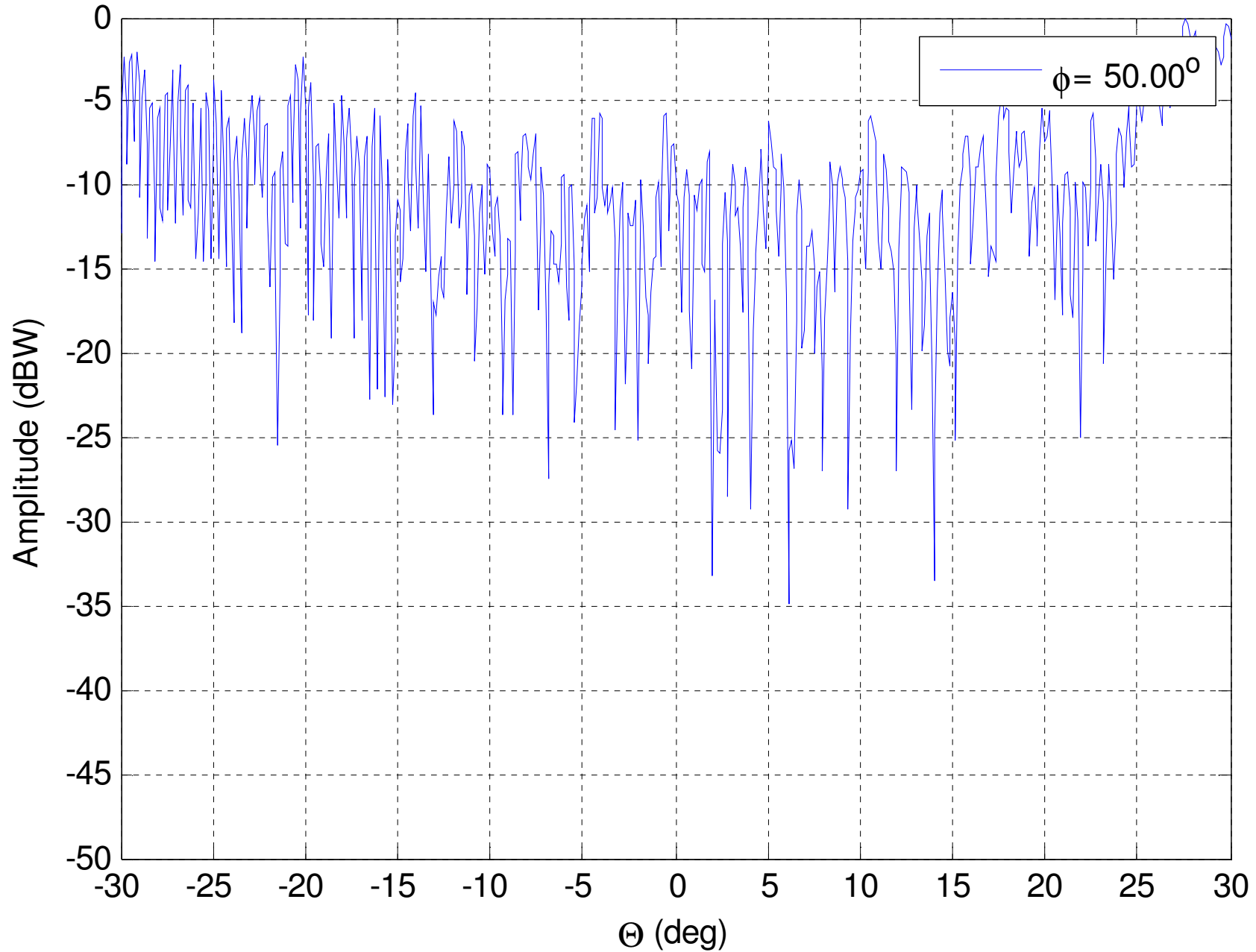
Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-40.cut, Peak: 4.03 dBW, Date: 09-Mar-2012



Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-50.cut, Peak: 3.48 dBW, Date: 09-Mar-2012



Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-60.cut, Peak: 1.43 dBW, Date: 09-Mar-2012

