

**BSSNET2A-95W 17BSS**  
**Off-Axis Antenna Plots**

CONUS Beam Maximum Allowable EIRP / Antenna Gain<sup>1</sup> to Meet -117dBW/m<sup>2</sup>/100KHz

CONUS BEAM	
Satellite Location <sup>o</sup> WL	-95.15
Nearest DBS Satellite Location <sup>o</sup> WL	-100.85
Miniumum Spacing (w/Station Keeping @+--0.05)	5.60
Max PFD Flux Density, -117 dBW/m <sup>2</sup> /100 kHz	-117.0
Channel Bandwidth, MHz	26.0
Symbol rate band width modification factor	1
Effective channel bandwidth, MHz	26.0
Effective Bandwidth, dB-100 kHz	24.1
PFD Flux Density Allowed per Channel, dBW/m <sup>2</sup>	-92.9
R, Radial Distance to GEO, km	42,164.0
Min. Angle of Separation between Satellites, deg	5.60
Range between Satellites, km	4121.0
Spreading factor, dB/ m <sup>2</sup>	-143.3
Atmospheric loss, dB	0
Maximum EIRP Allowed at Minimum Separation, dBW	50.4
Peak Satellite EIRP, dBW <sup>2</sup>	60.2
Boresight Antenna Gain, dB <sup>3</sup>	37.1
Tx Power into Antenna, dBW	23.1
Max Antenna Gain to Meet Space Path Spec, dB	27.3
Max Off-Axis EIRP from Plots <sup>4</sup> , dBW	5.62
Max Antenna Gain from Plots, dB	-17.48
PFD / Ant Gain Margin, dB	44.8

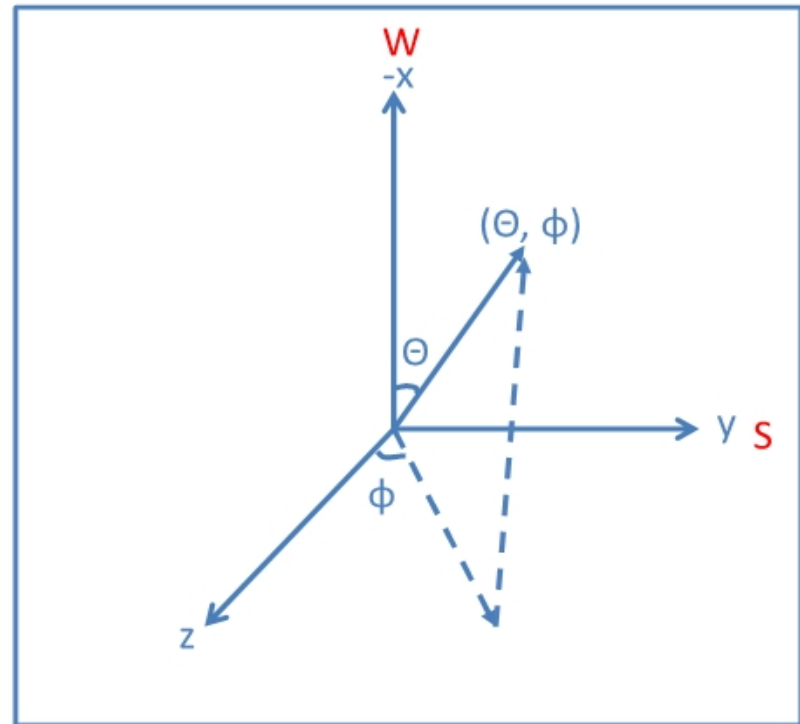
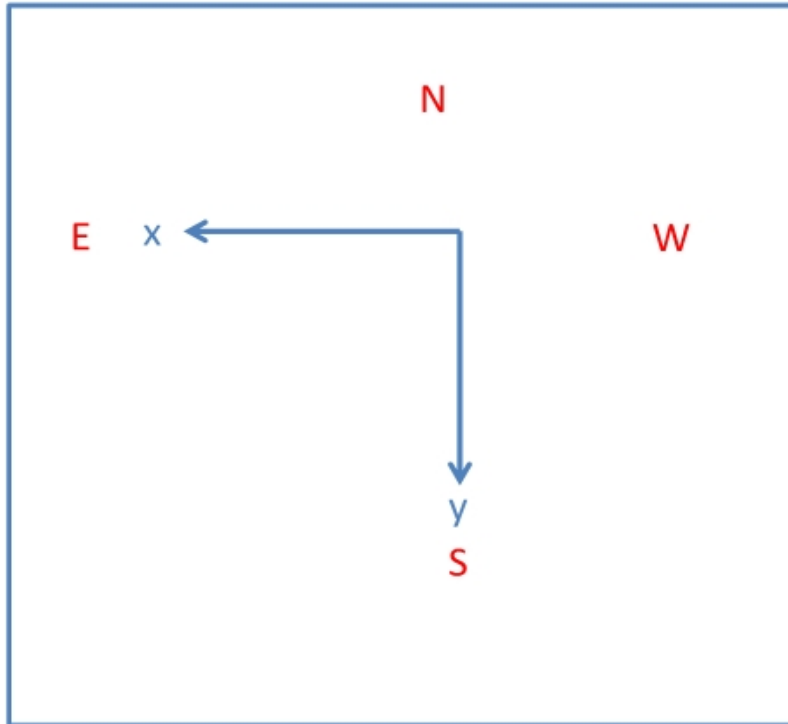
<sup>1</sup> As defined in FCC Section 25.264(a)

<sup>2</sup> from Schedule S7  
temperature and life]

<sup>3</sup> from Schedule S7, column (c)

<sup>4</sup> Reference to Plot File: tx-17.5-rhcp--10.cut and tx-17.7-lhcp-0.cut

# Coordinate System



# CONUS Beam, -X Axis Plots

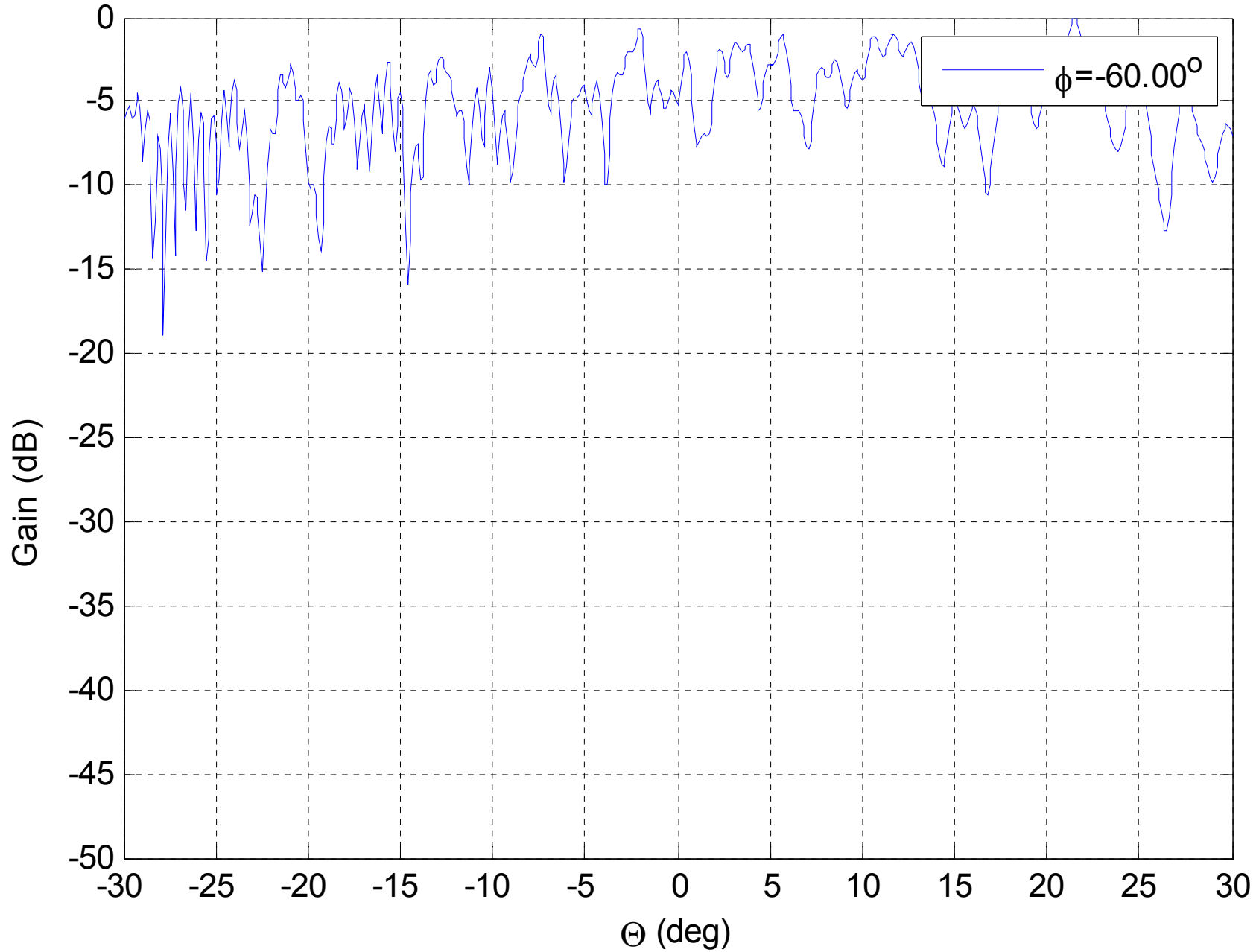
- Both polarizations: RHCP; LHCP
- $-30 < \theta < 30$  ( $\theta=0$ : -X-axis)
- $-60 < \phi < 60$
- Freqs = 17.305, 17.5 and 17.695 GHz

- The zero reference line on each plot is the peak off-axis gain in the title of the chart
- All off-axis gain levels are well below the 27.3 dBi level at  $5.6^\circ$  separation (>45 dB margin)

**RHCP = 17.305 GHz**

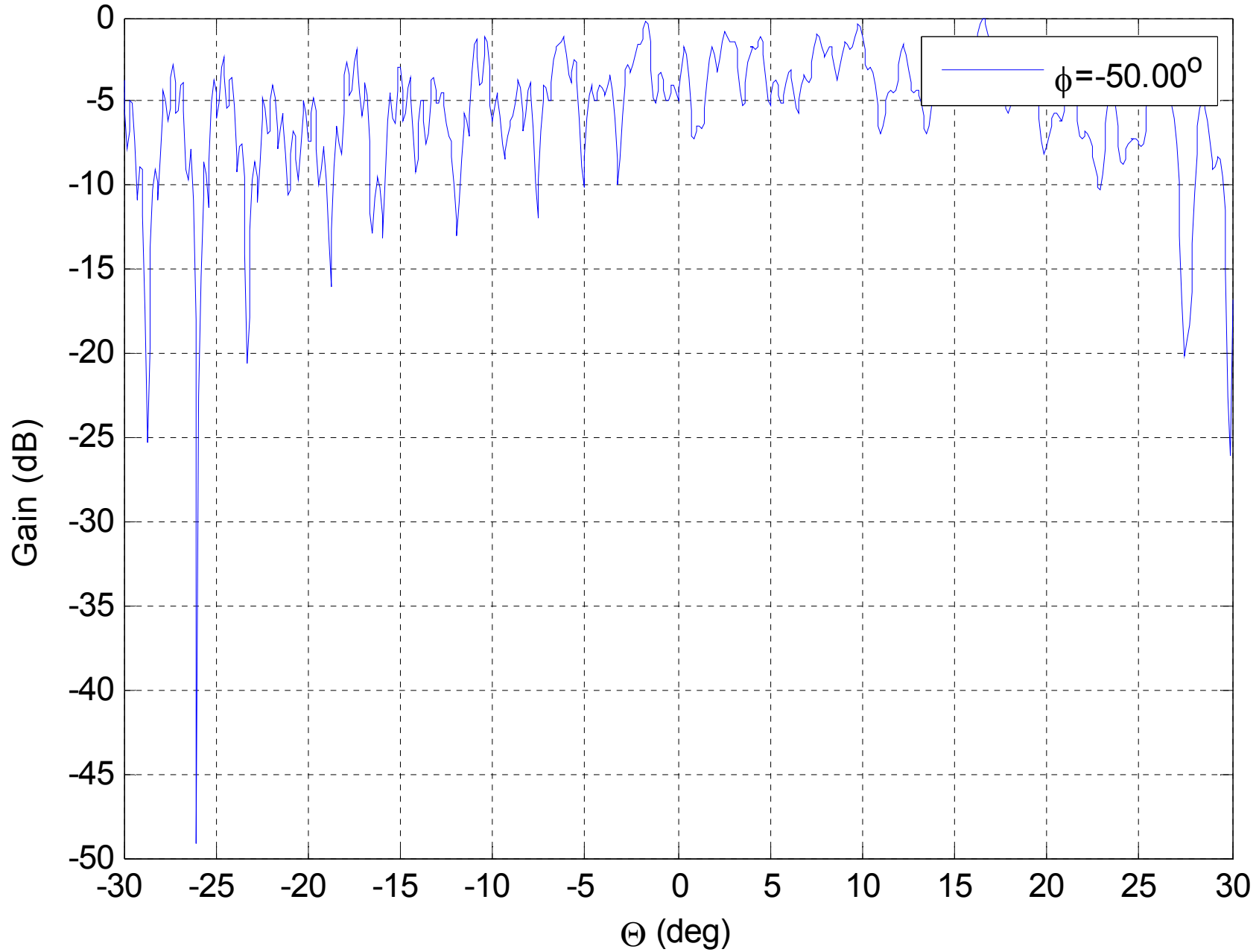
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-60.cut, Peak: -25.33 dB, Date: 2-Sep-2016



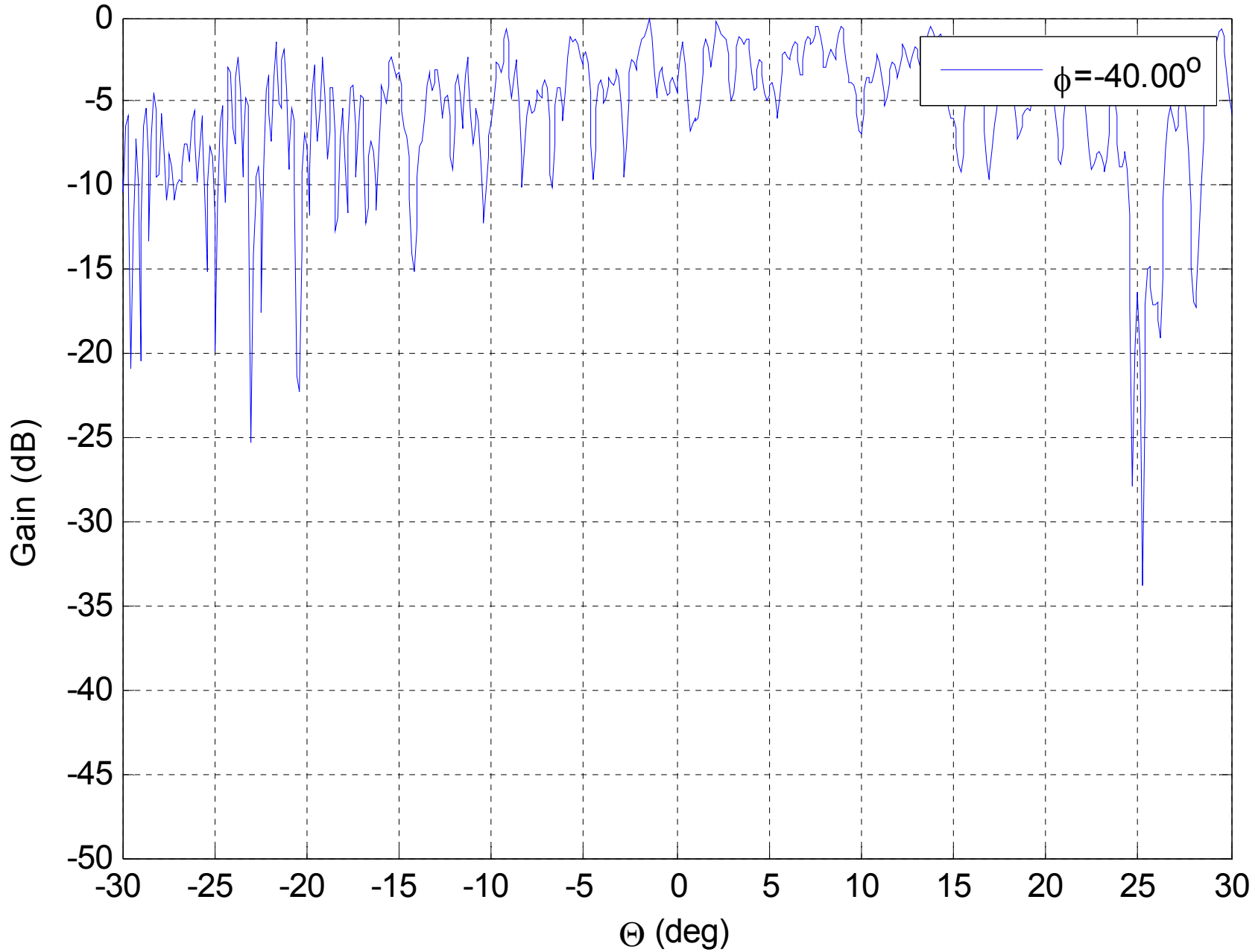
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--50.cut, Peak: -25.71 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

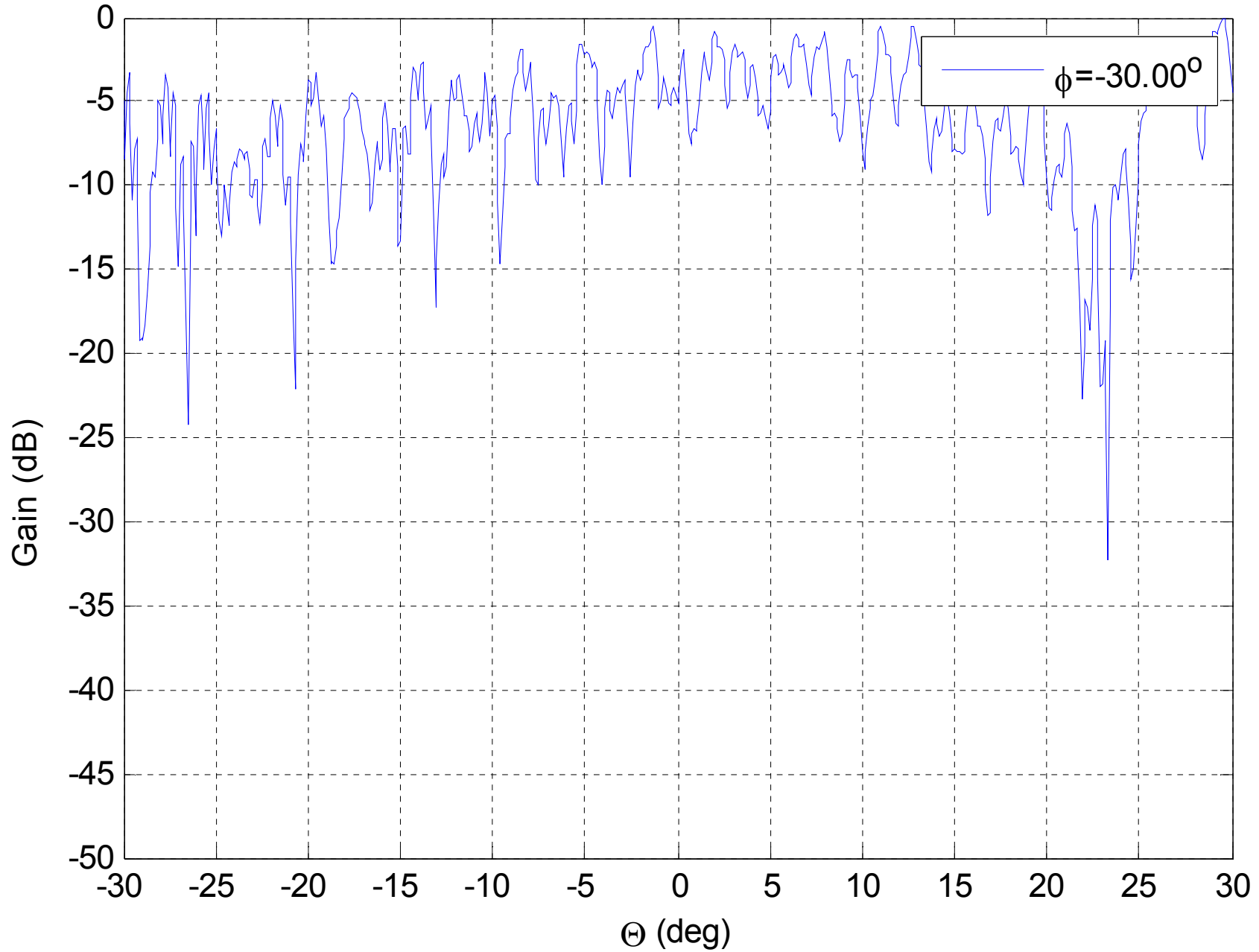
Input file: tx-17.3-rhcp-40.cut, Peak: -26.06 dB, Date: 2-Sep-2016





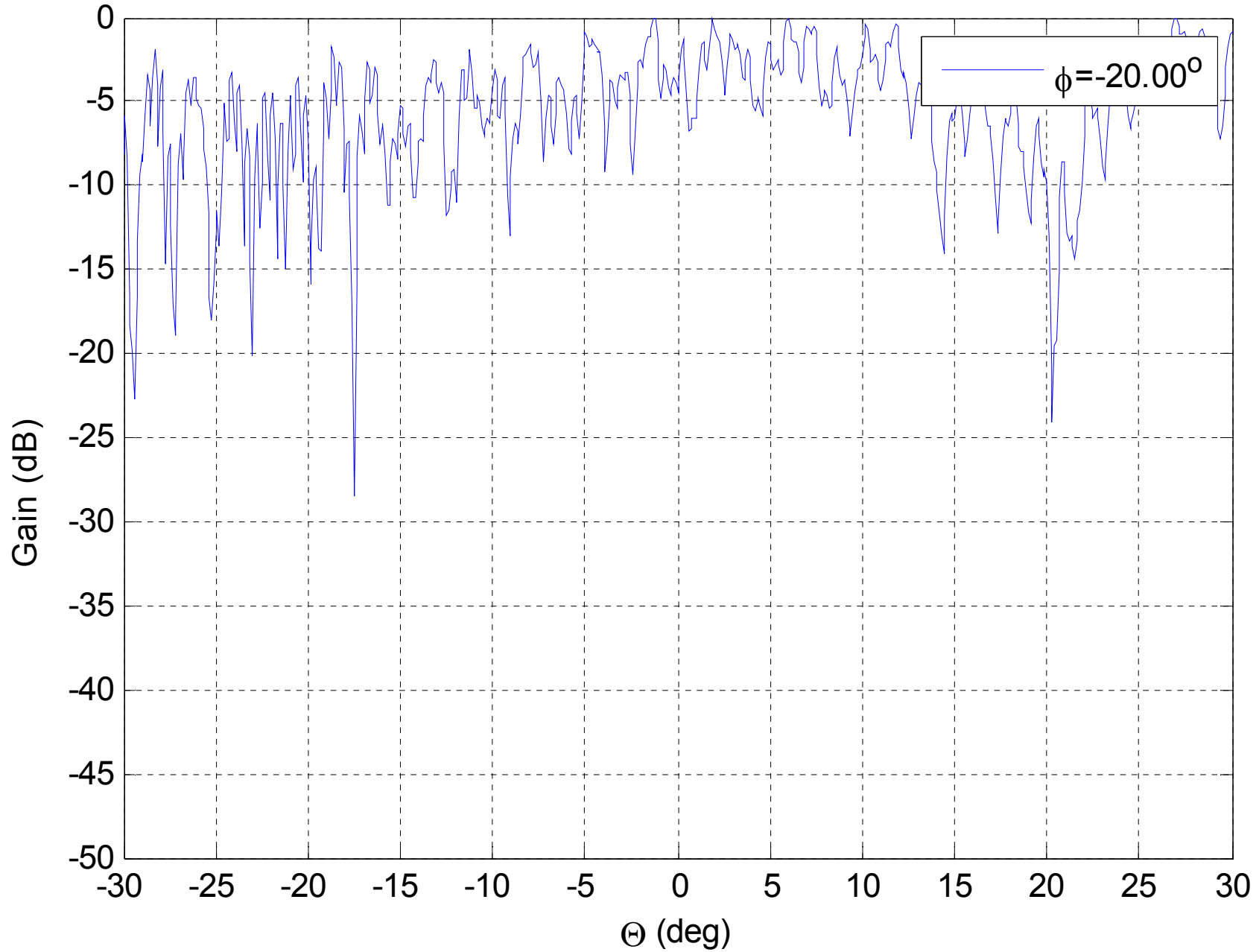
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--30.cut, Peak: -25.48 dB, Date: 2-Sep-2016



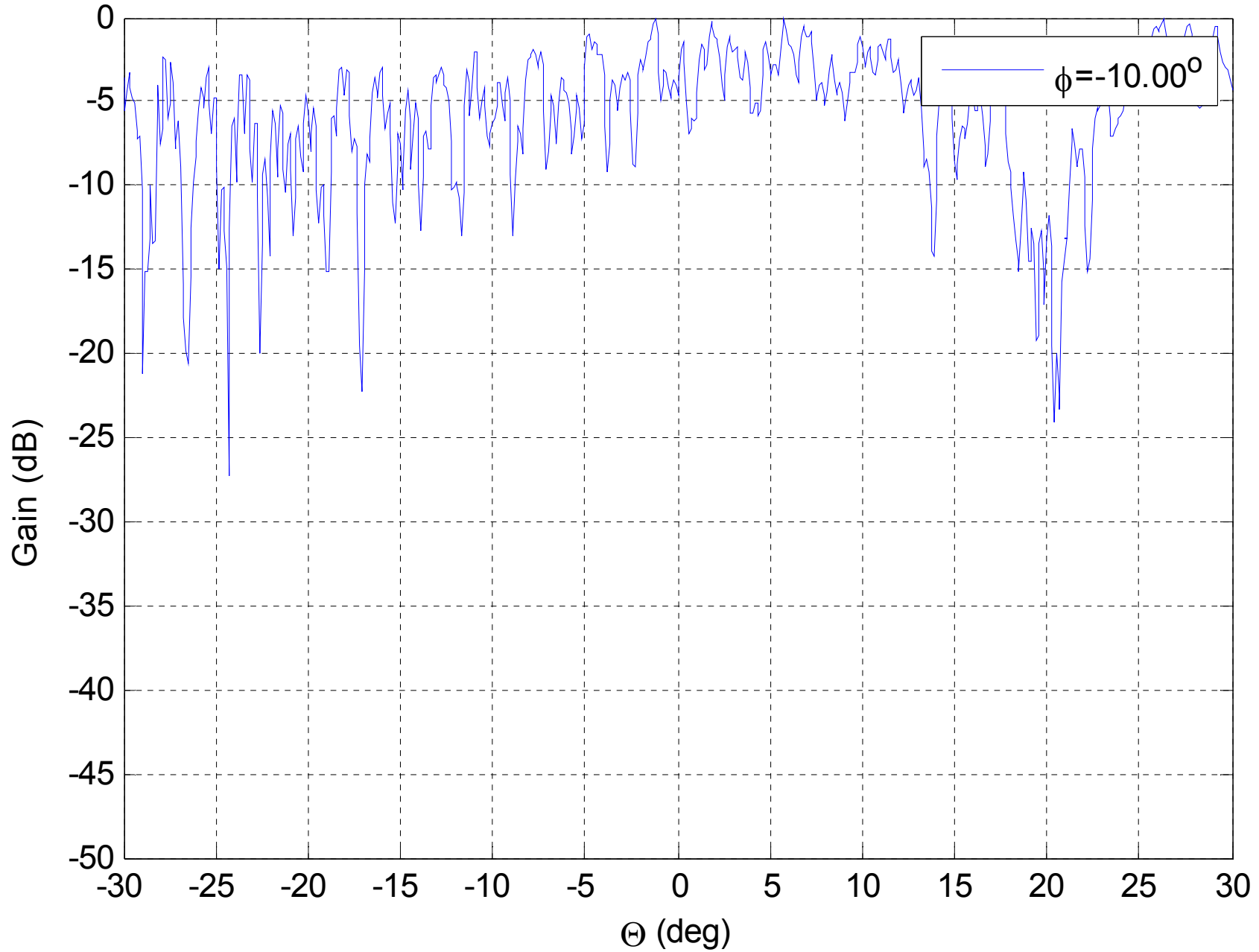
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-20.cut, Gain: -26.13 dB, Date: 2-Sep-2016



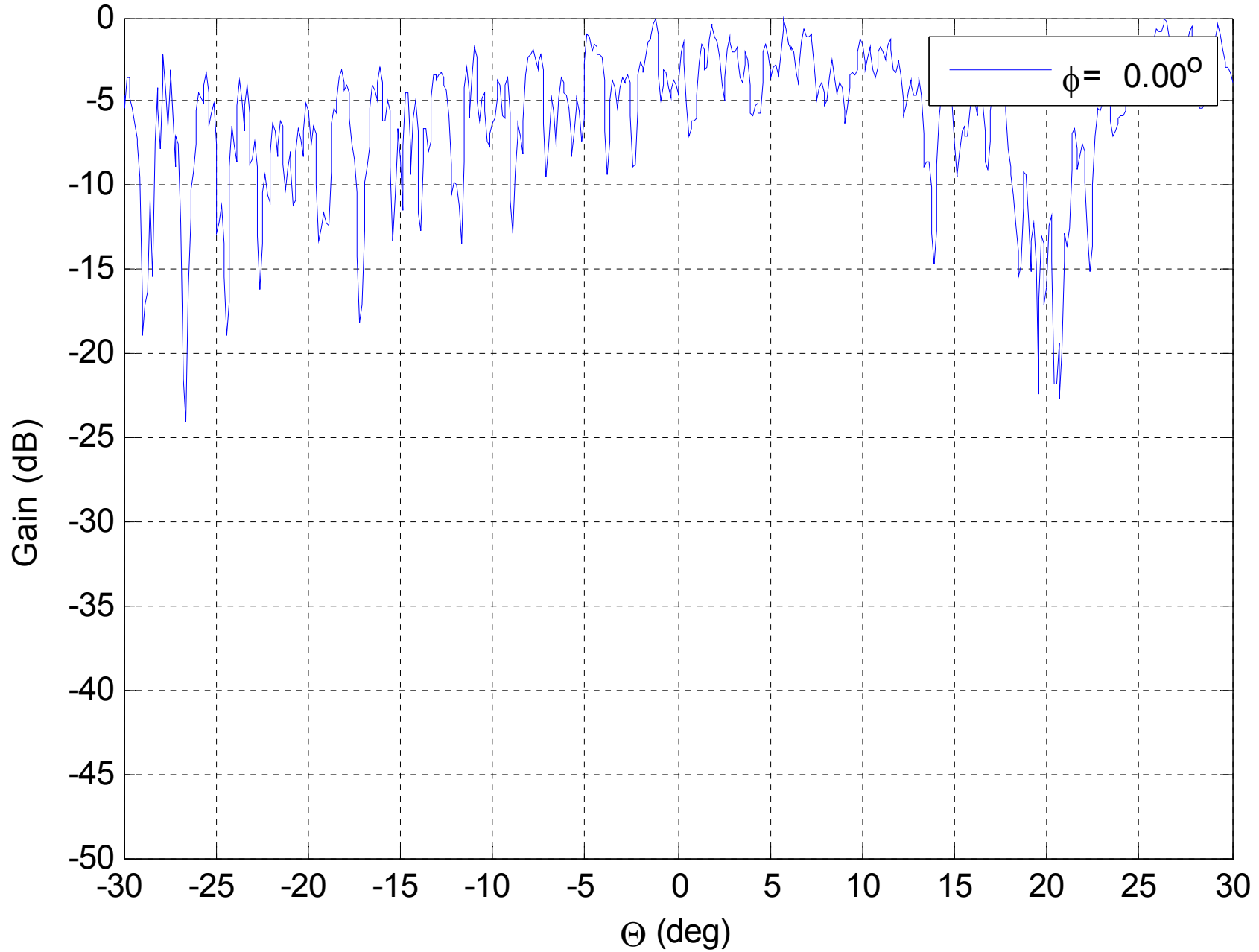
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--10.cut, Peak: -26.00 dB, Date: 2-Sep-2016



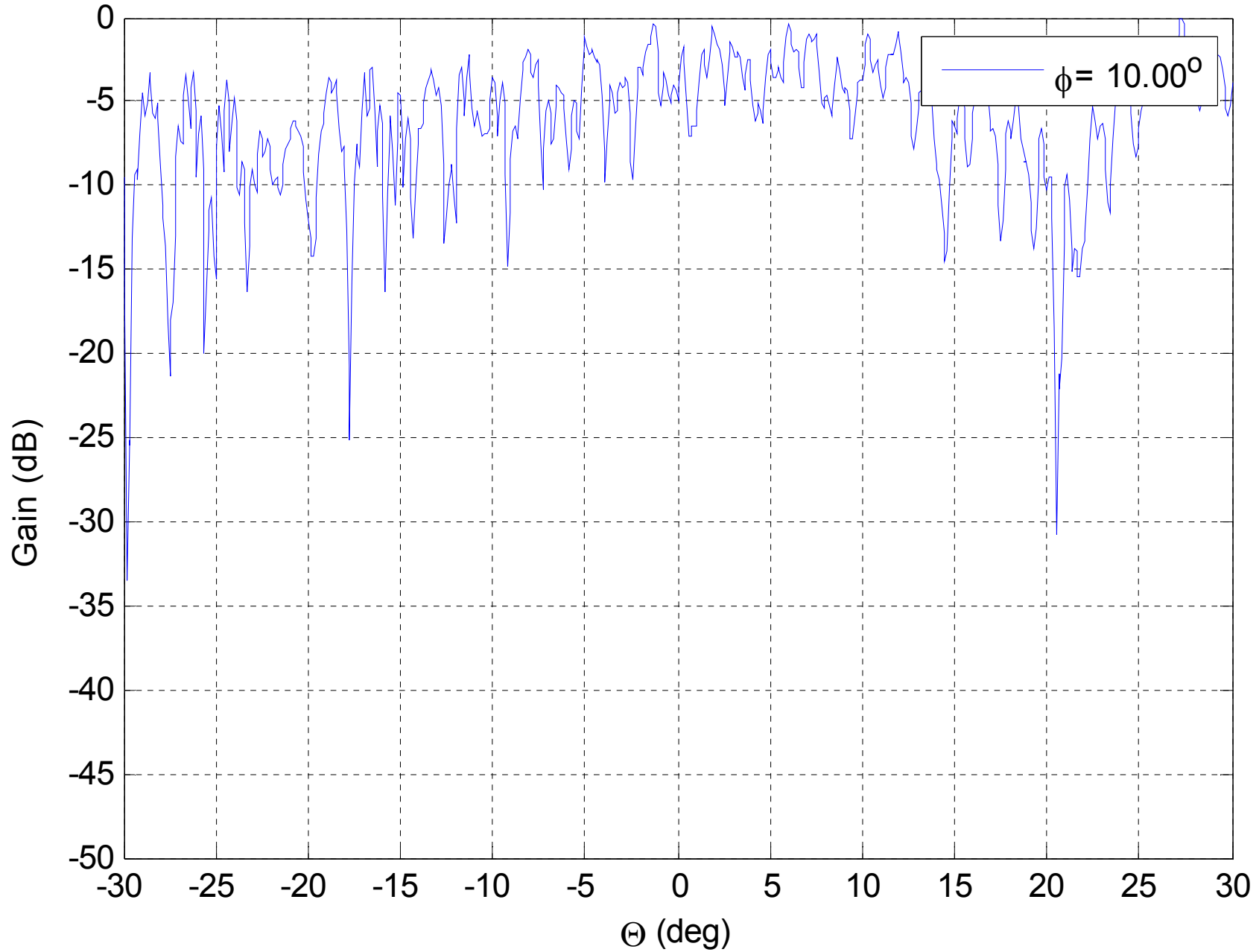
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-0.cut, Peak: -25.93 dB, Date: 2-Sep-2016



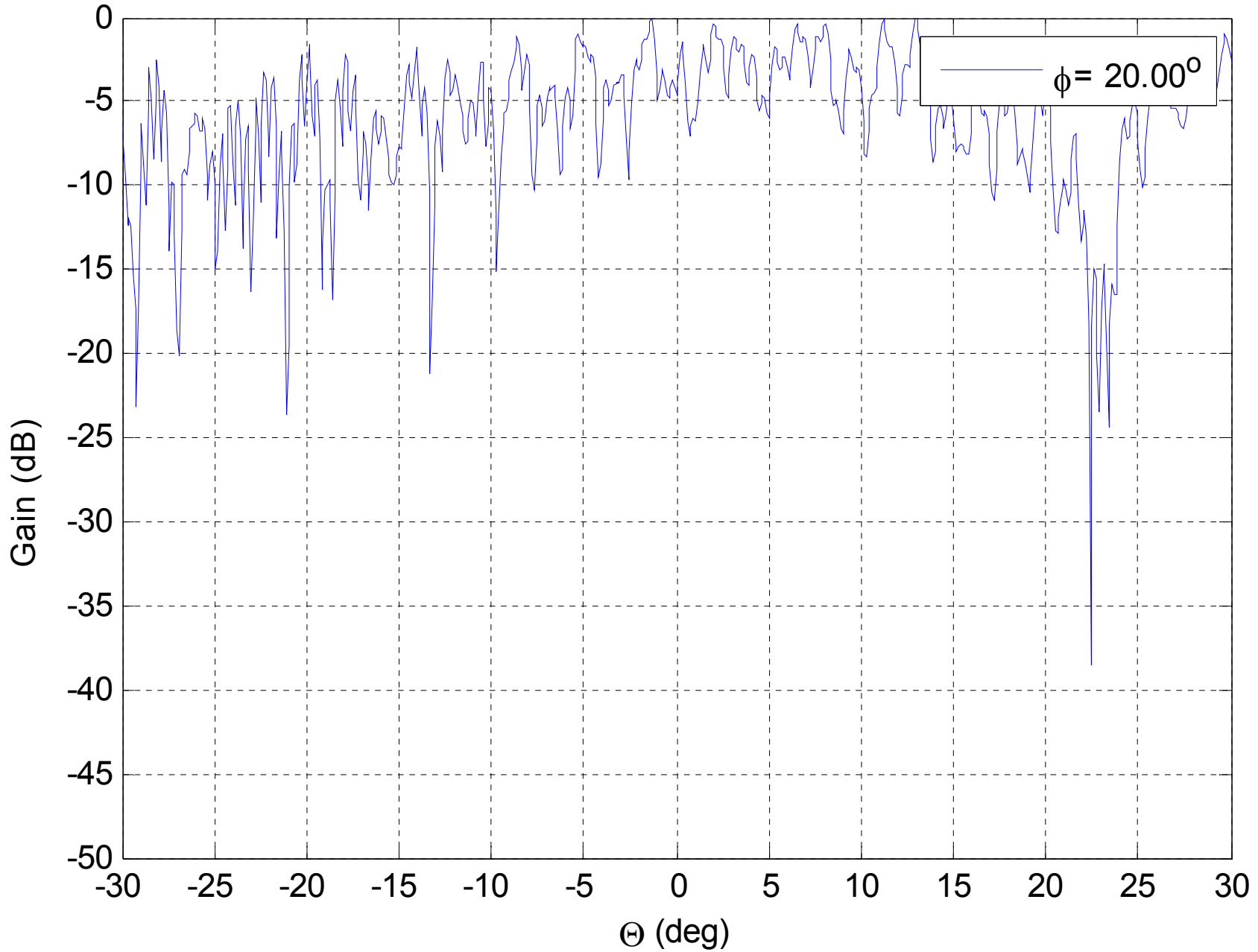
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-10.cut, Peak: -25.67 dB, Date: 2-Sep-2016



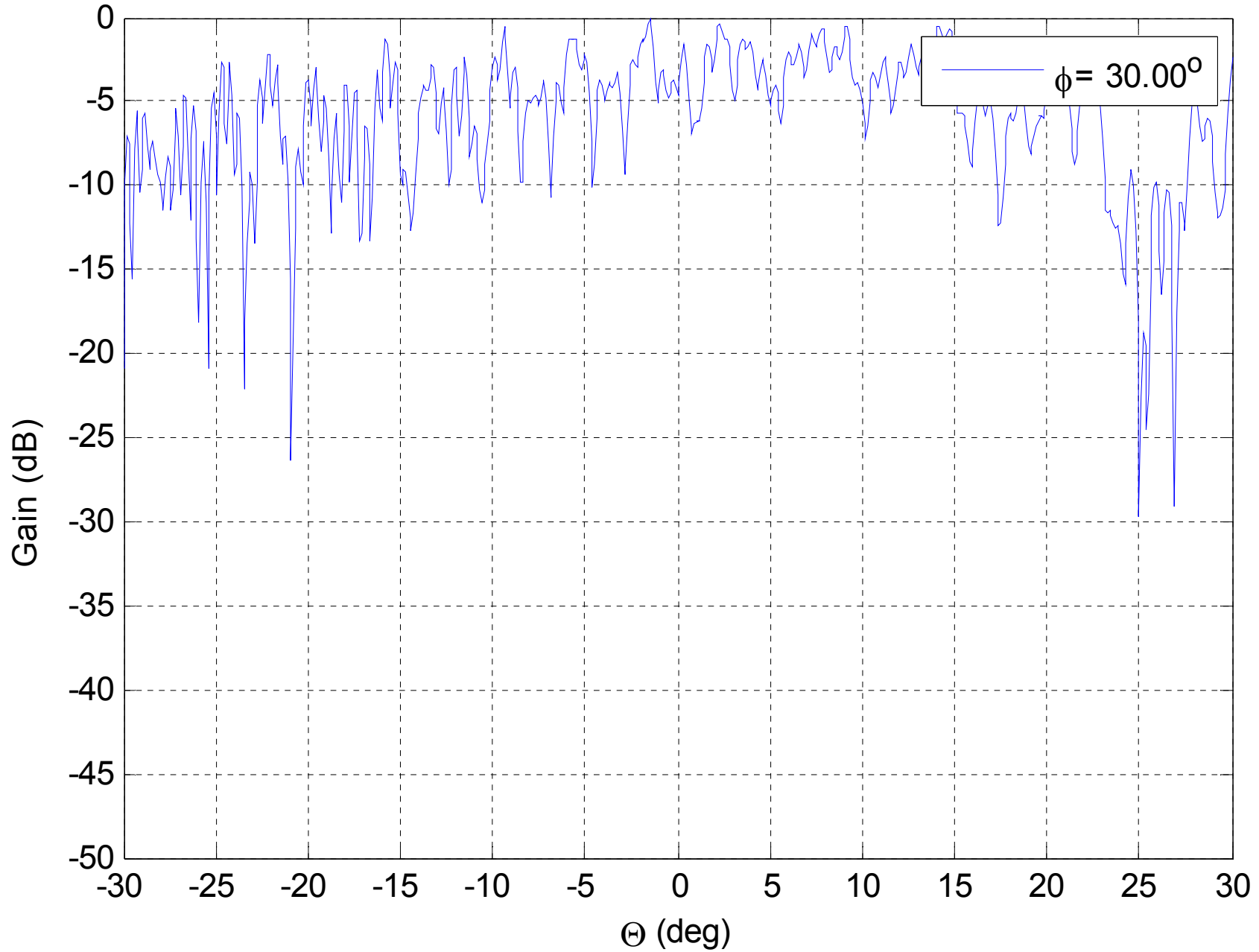
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-20.cut, Peak: -25.95 dB, Date: 2-Sep-2016



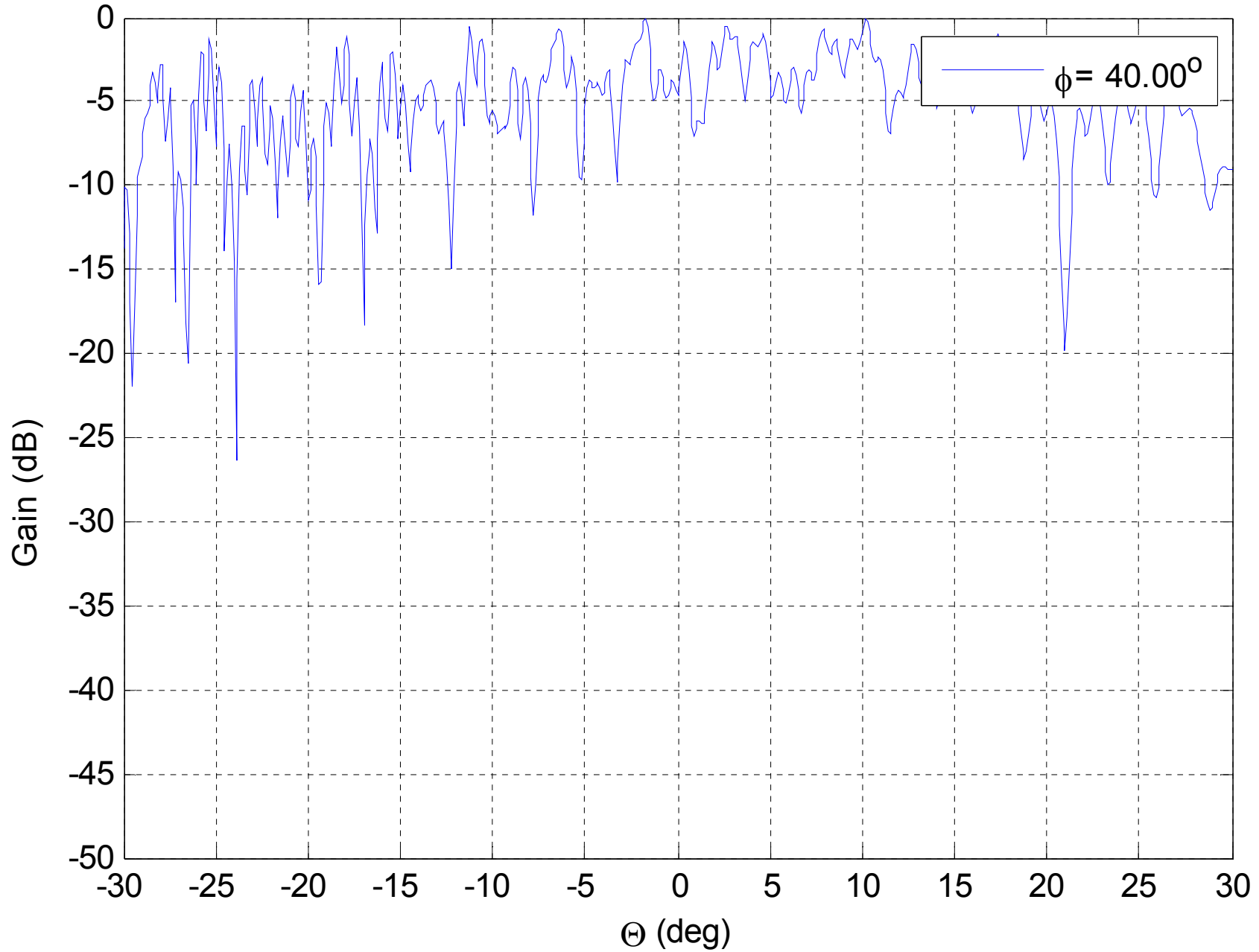
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-30.cut, Peak: -25.96 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

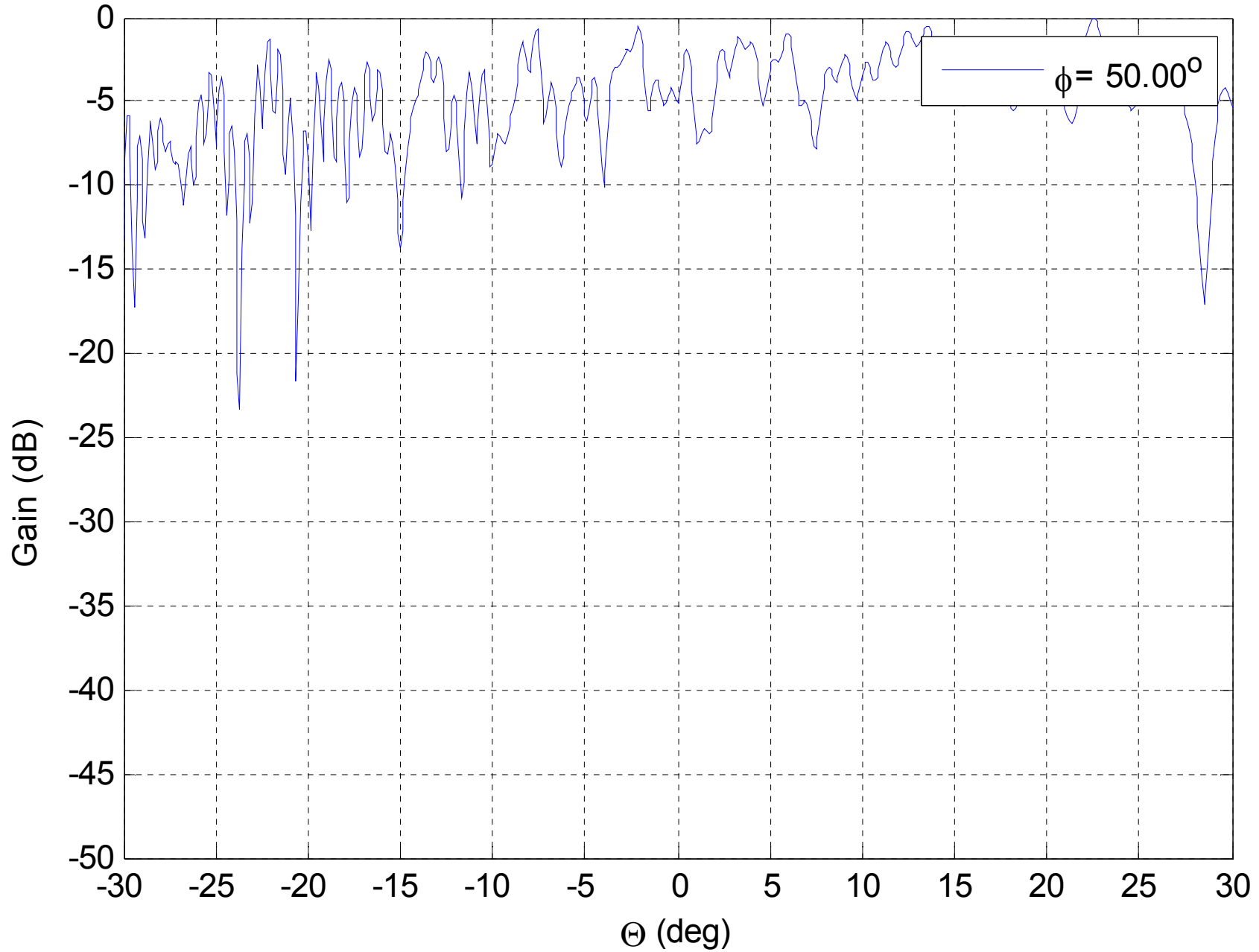
Input file: tx-17.3-rhcp-40.cut, Peak: -25.96 dB, Date: 2-Sep-2016





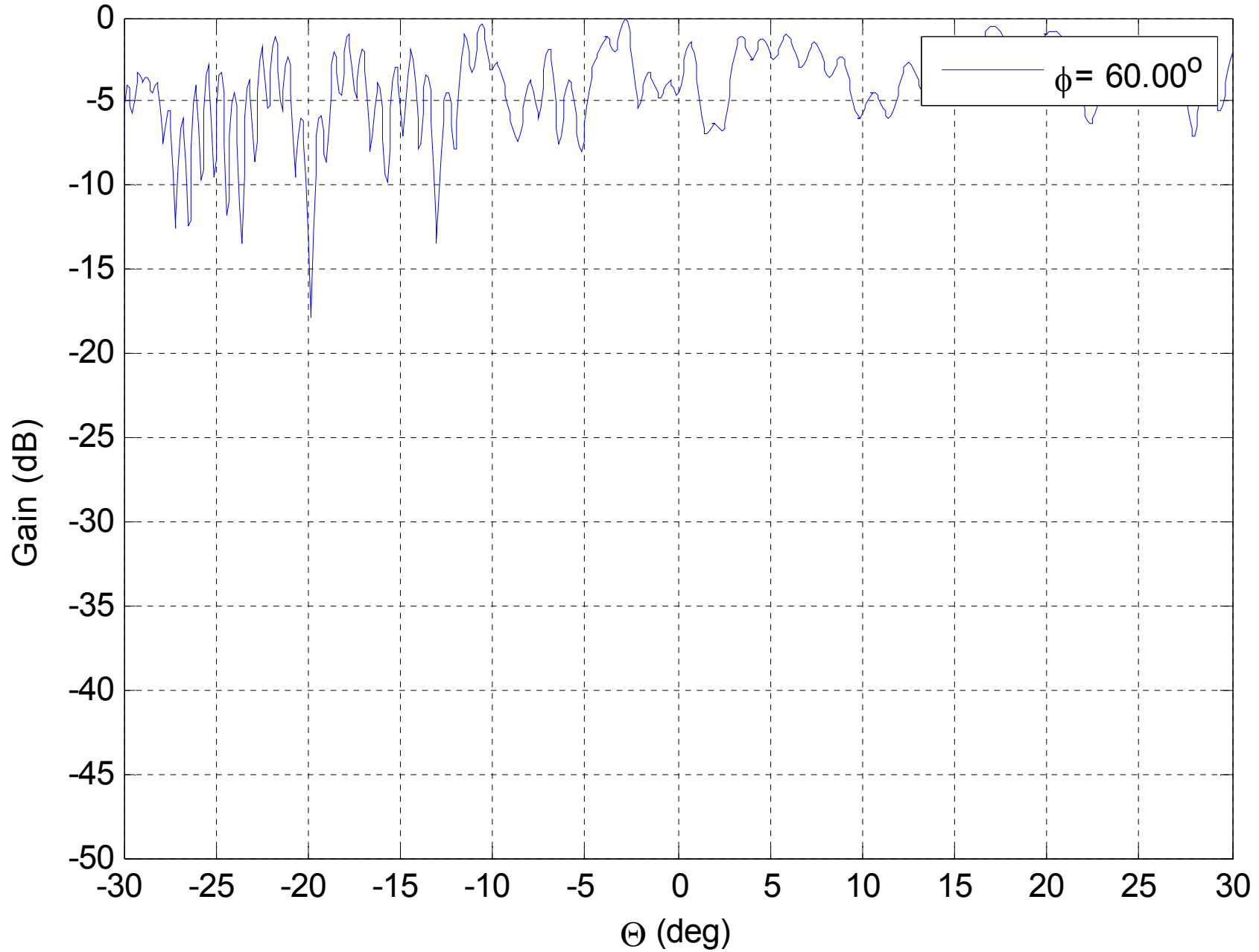
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-50.cut, Peak: -25.45 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

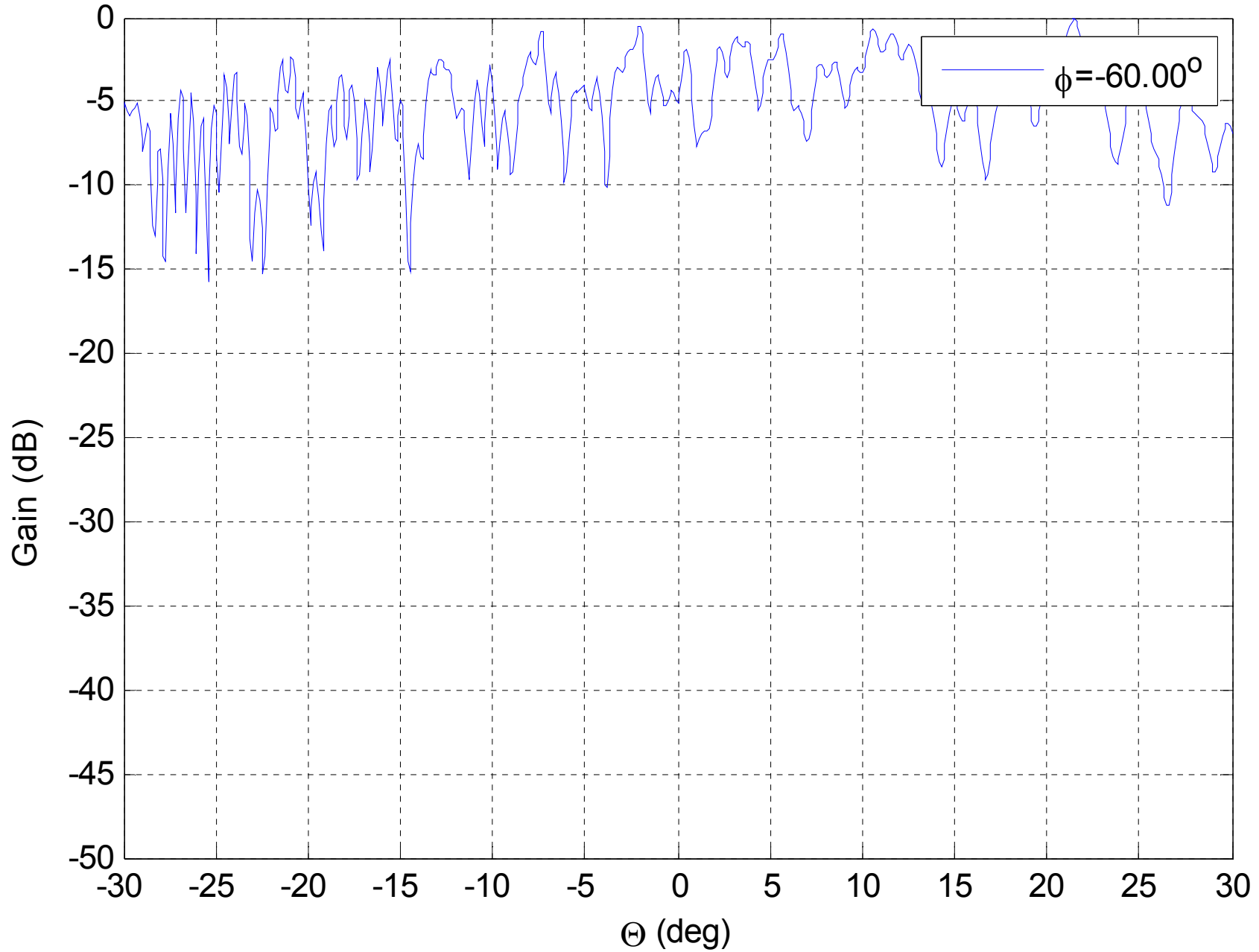
Input file: tx-17.3-rhcp-60.cut, Peak: -25.90 dB, Date: 2-Sep-2016



# LHCP at 17.3 GHz

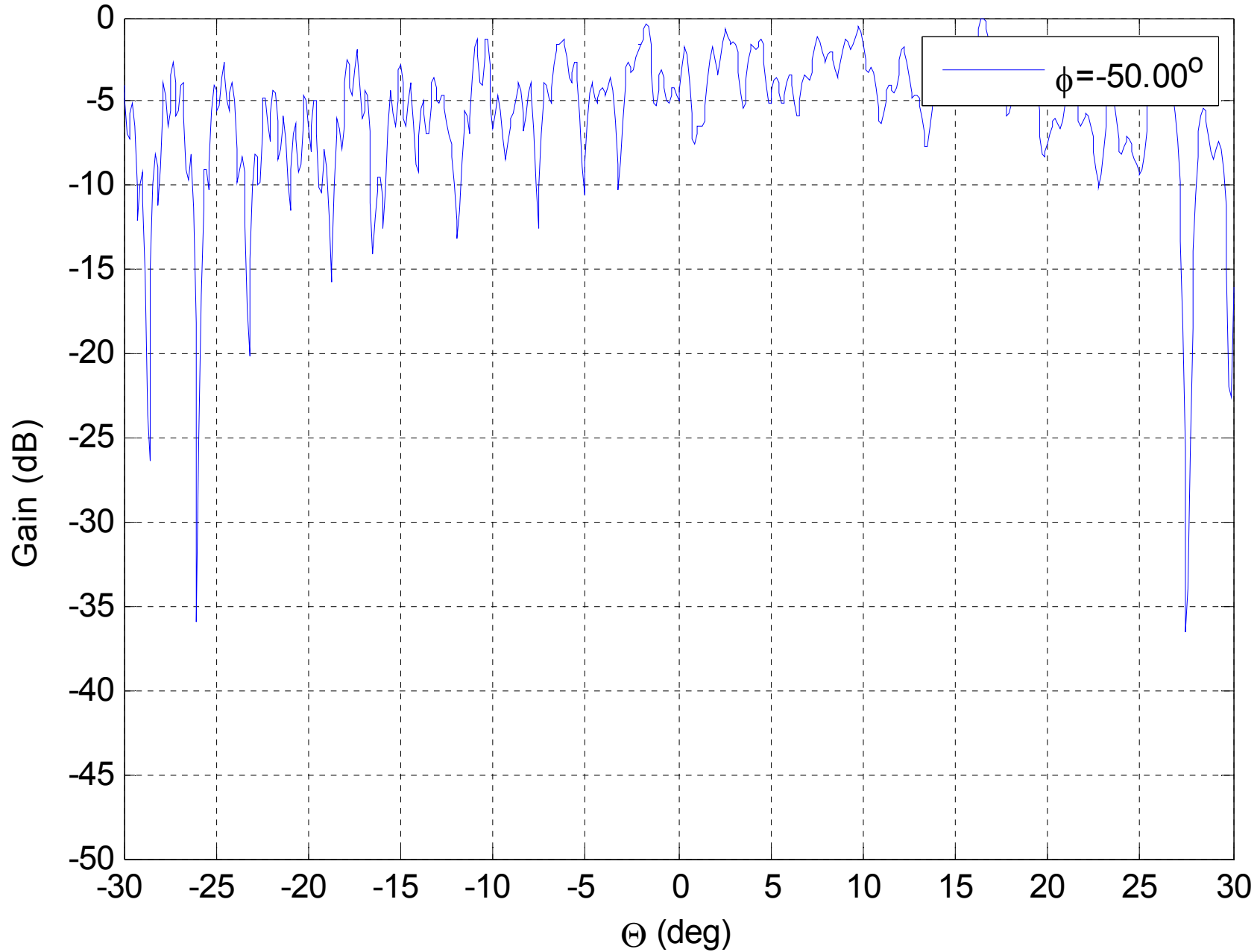
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-60.cut, Peak: -25.48 dB, Date: 2-Sep-2016



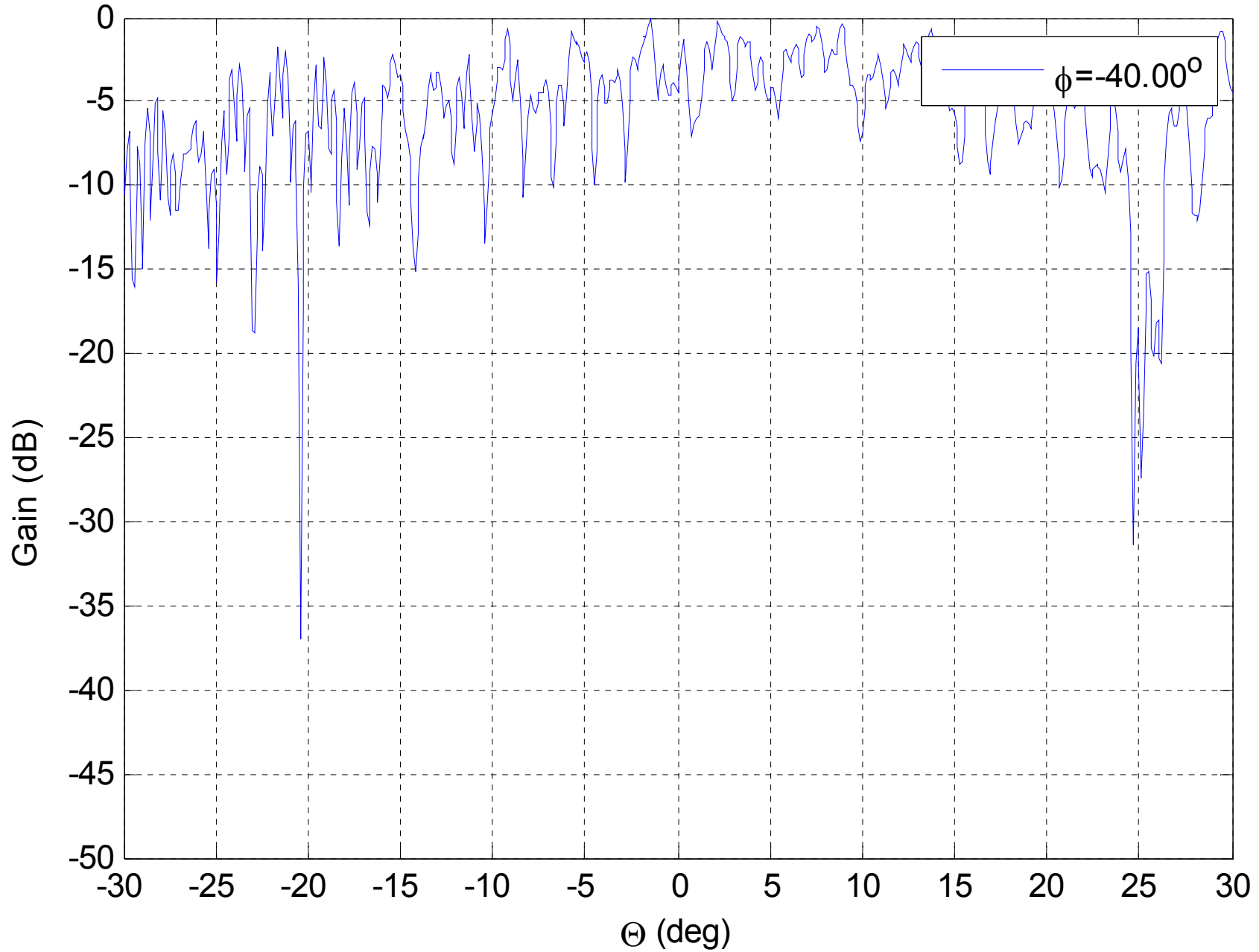
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-50.cut, Peak: -25.67 dB, Date: 2-Sep-2016



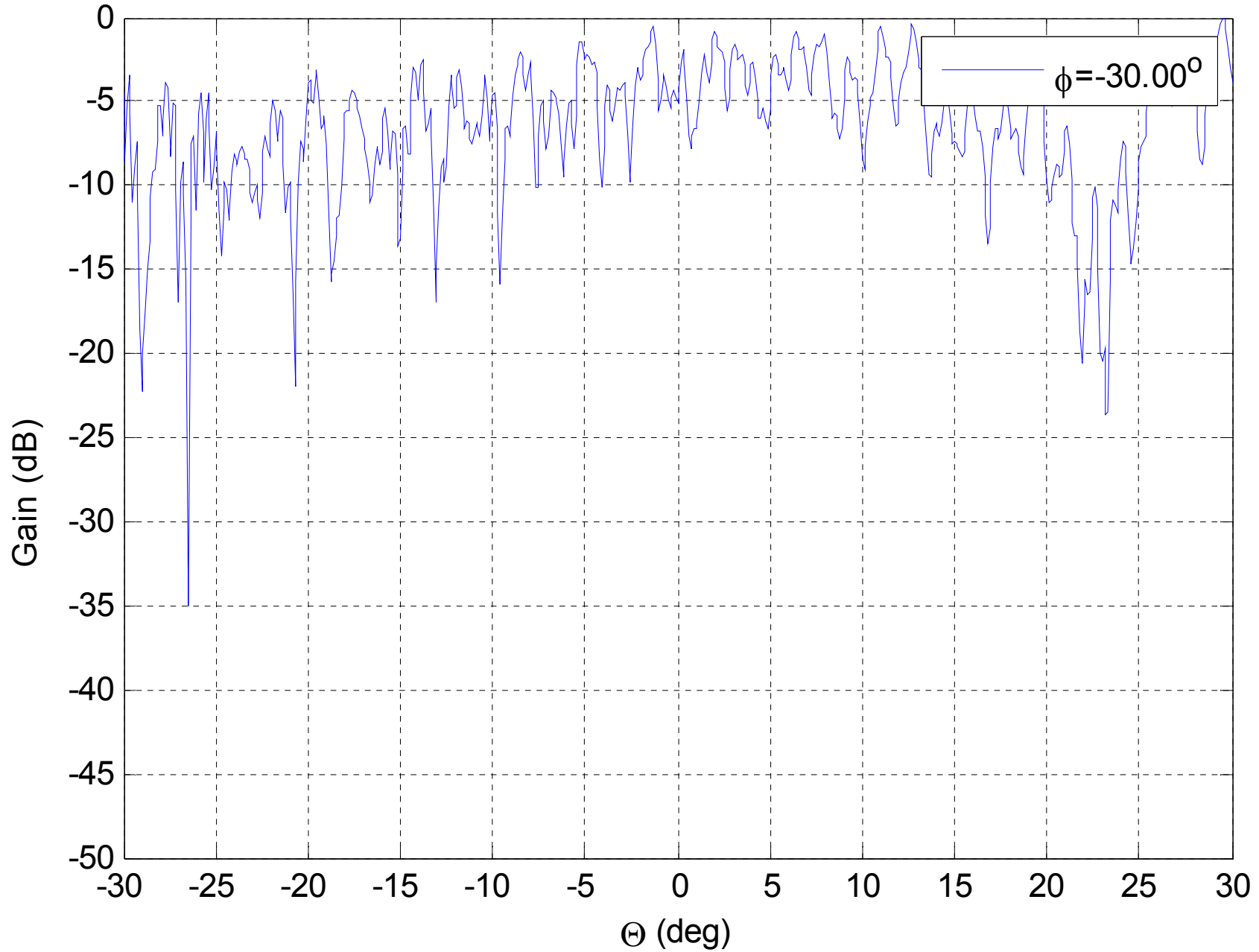
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-40.cut, Peak: -26.03 dB, Date: 2-Sep-2016



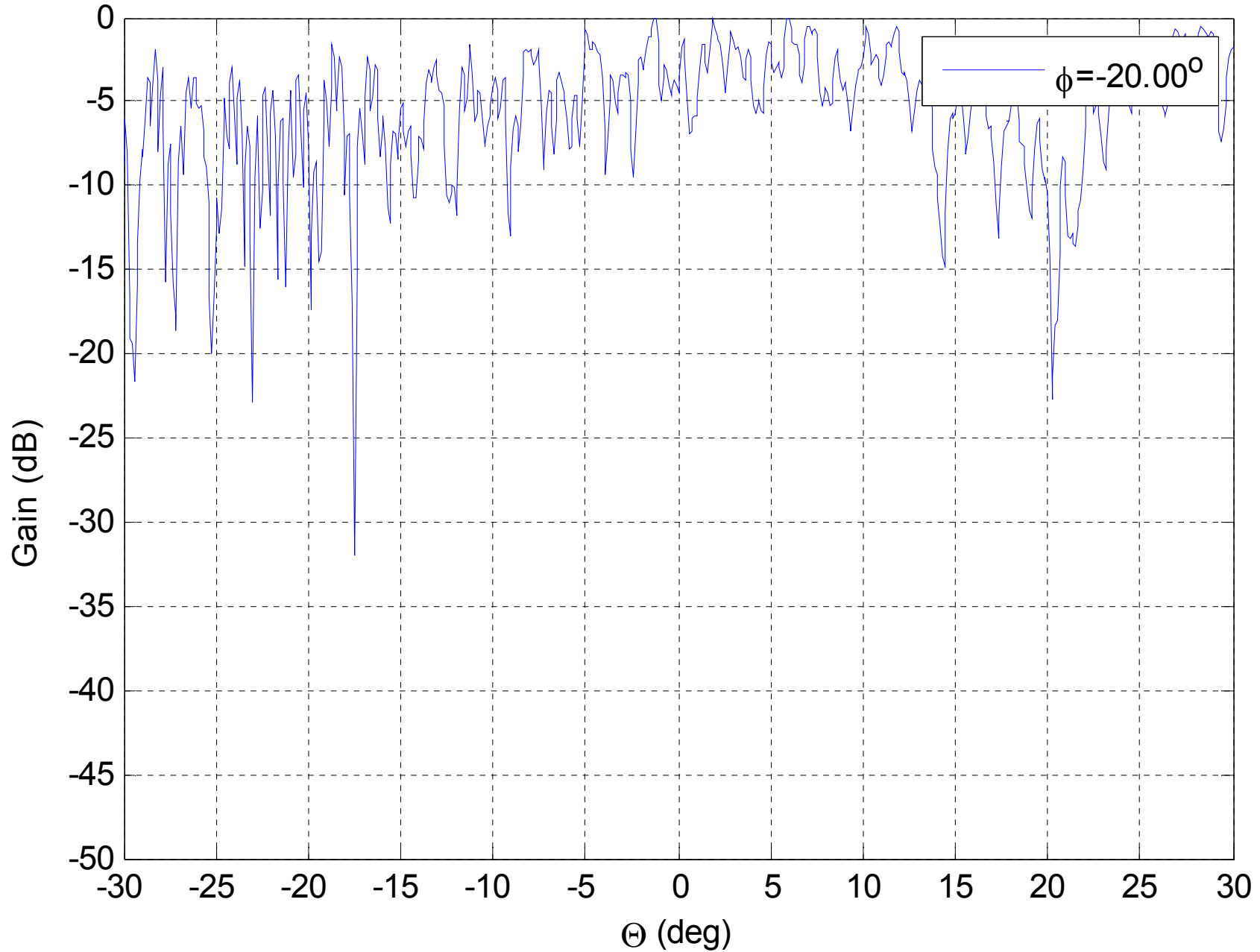
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-30.cut, Peak: -25.44 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

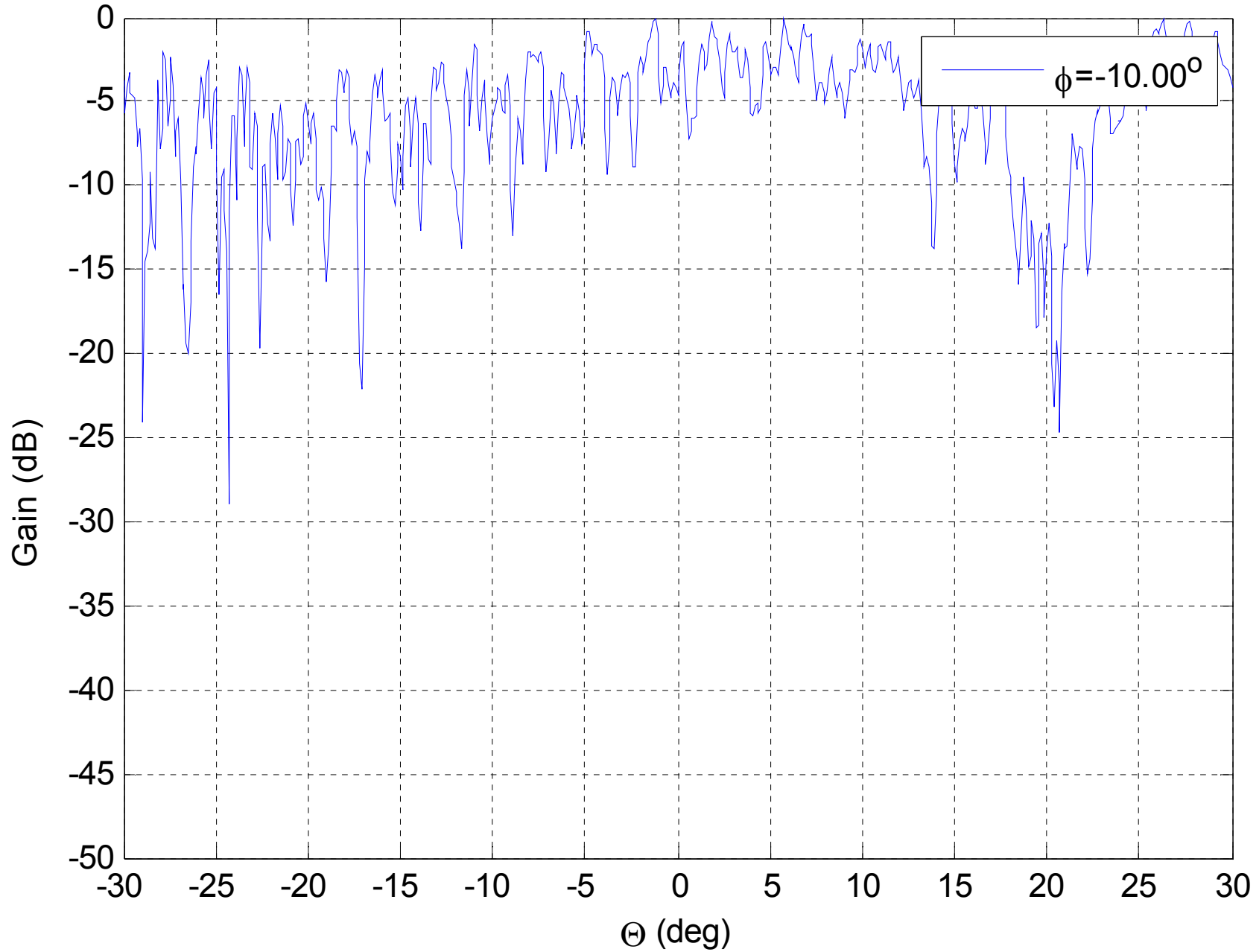
Input file: tx-17.3-lhcp-20.cut, Peak: -26.10 dB, Date: 2-Sep-2016





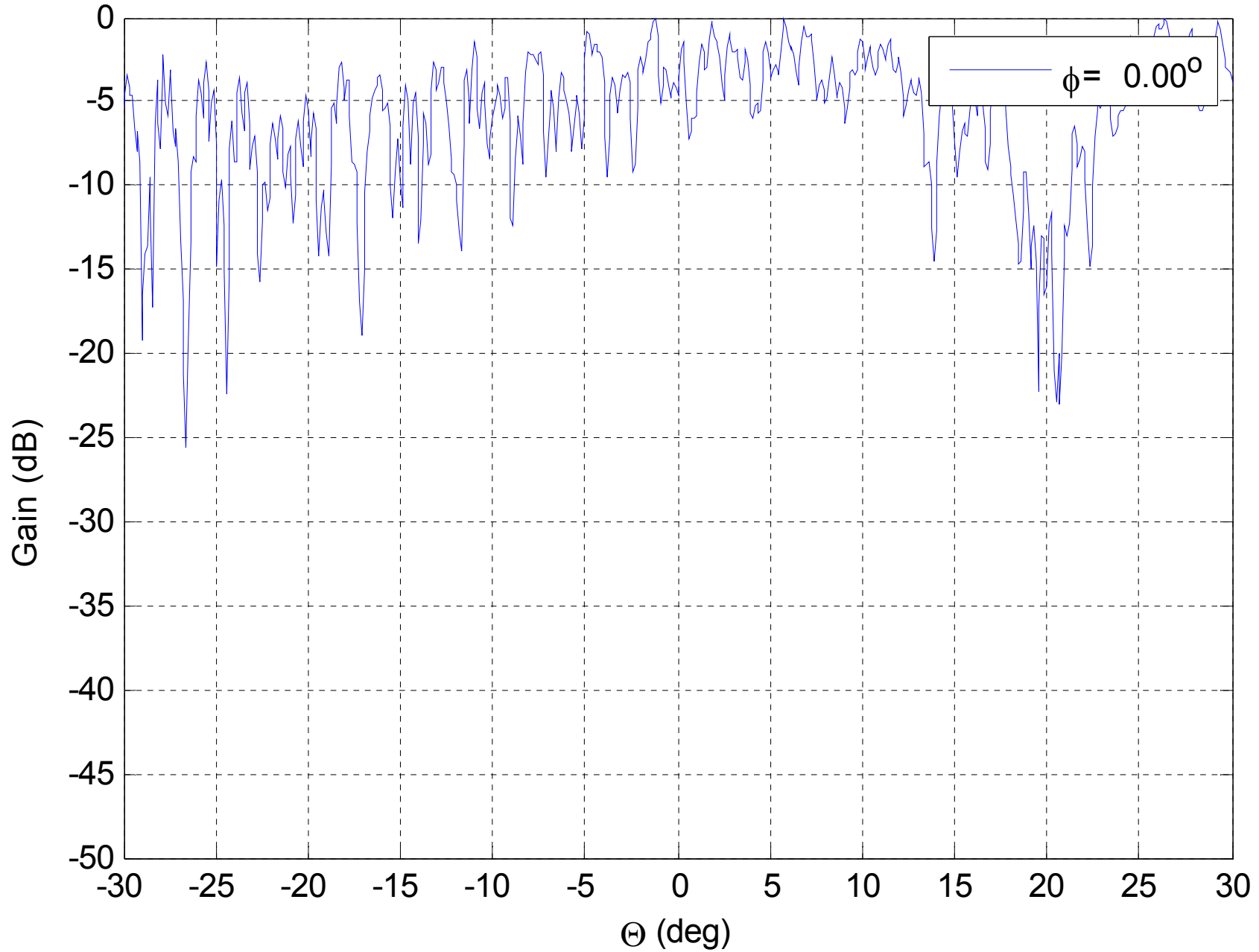
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-10.cut, Peak: -26.00 dB, Date: 2-Sep-2016



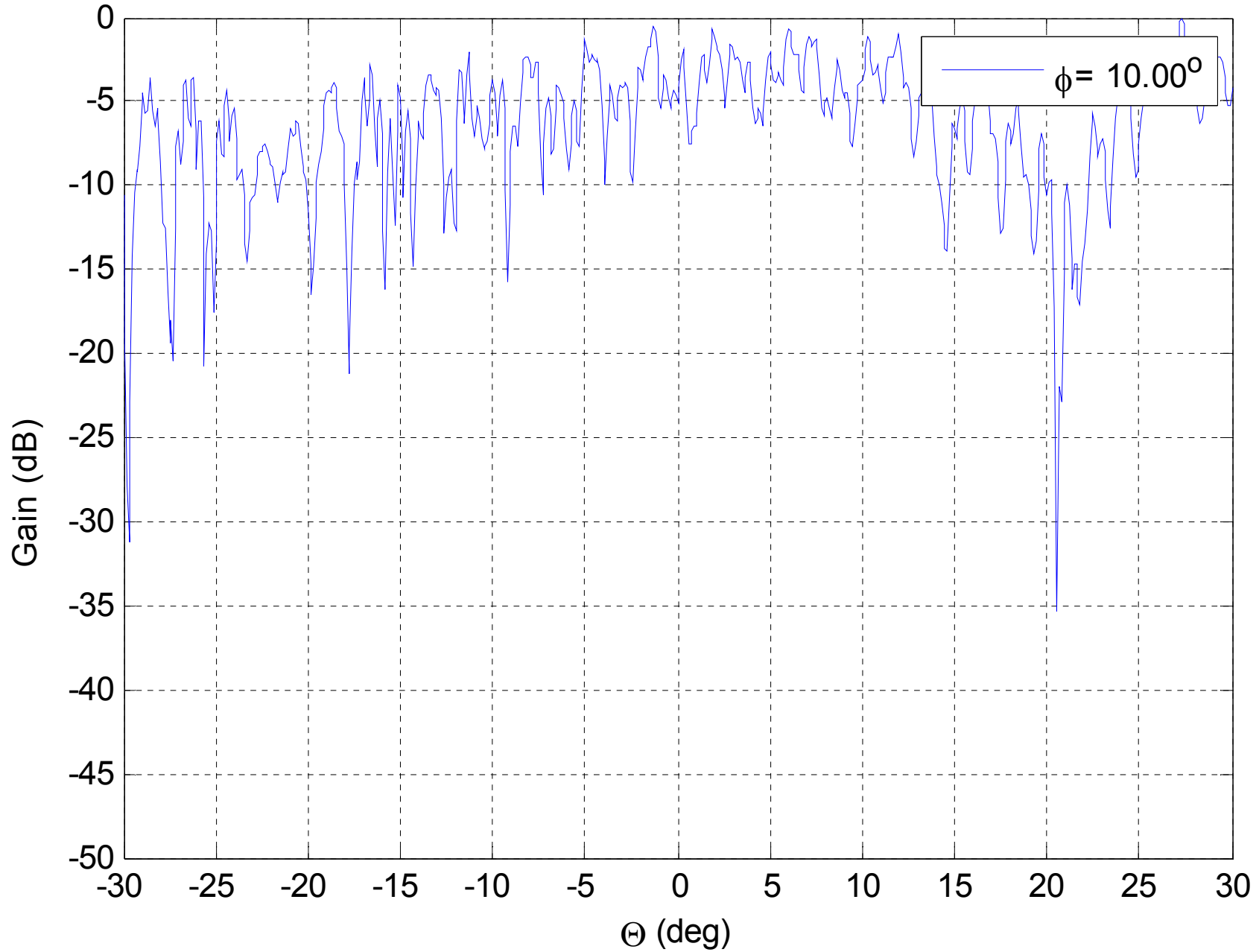
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-0.cut, Peak: -25.97 dB, Date: 2-Sep-2016



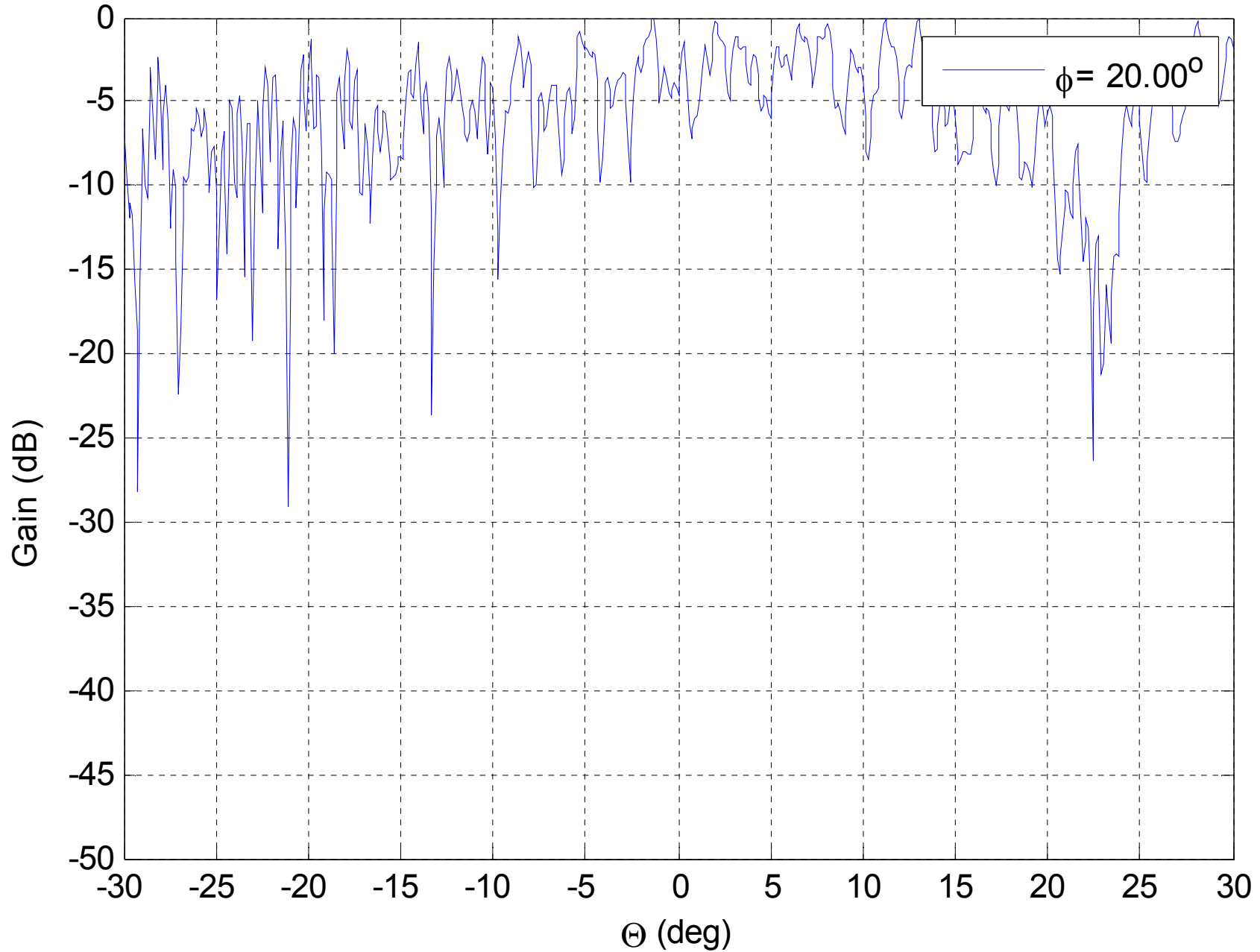
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-10.cut, Peak: -25.45 dB, Date: 2-Sep-2016



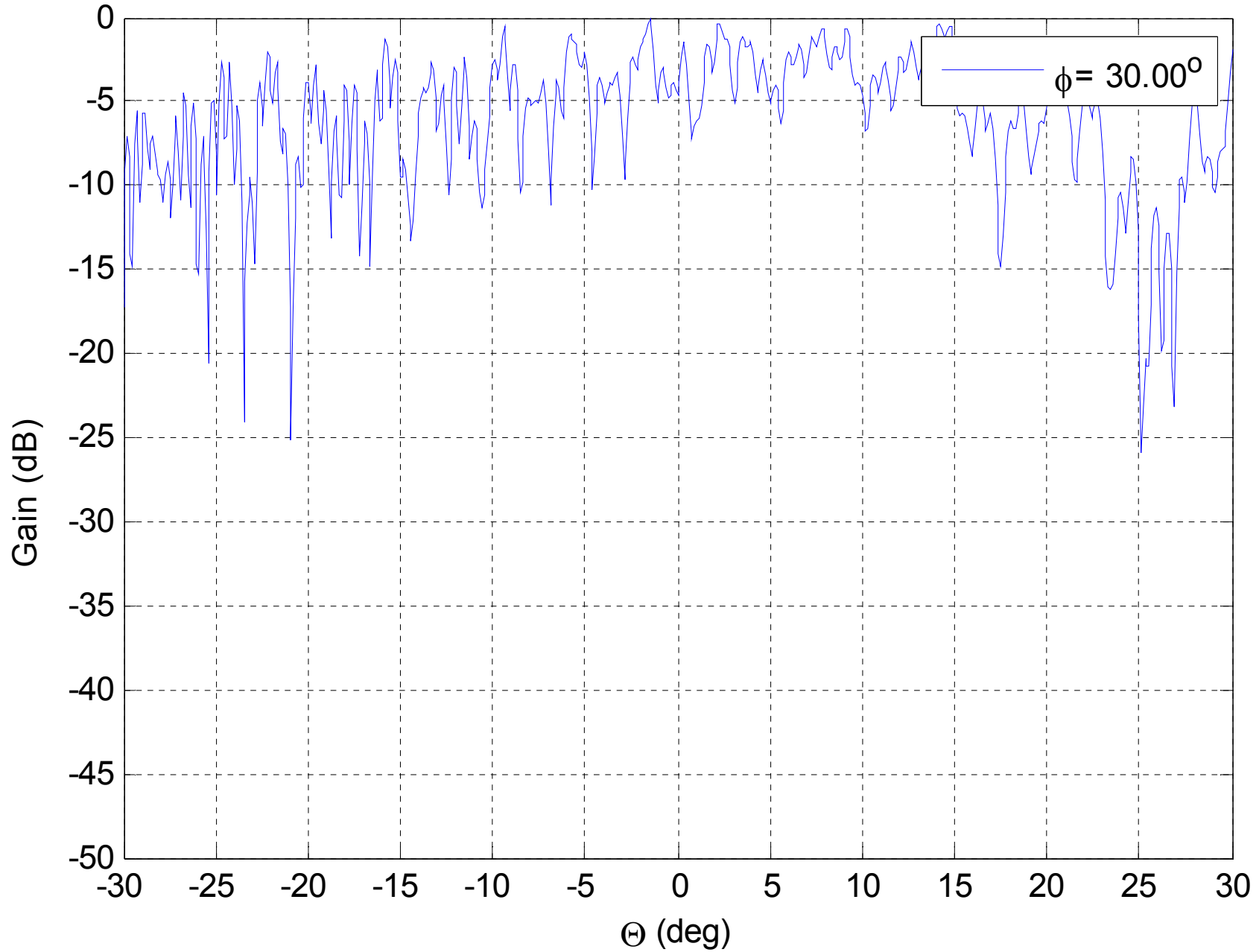
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-20.cut, Peak: -25.97 dB, Date: 2-Sep-2016



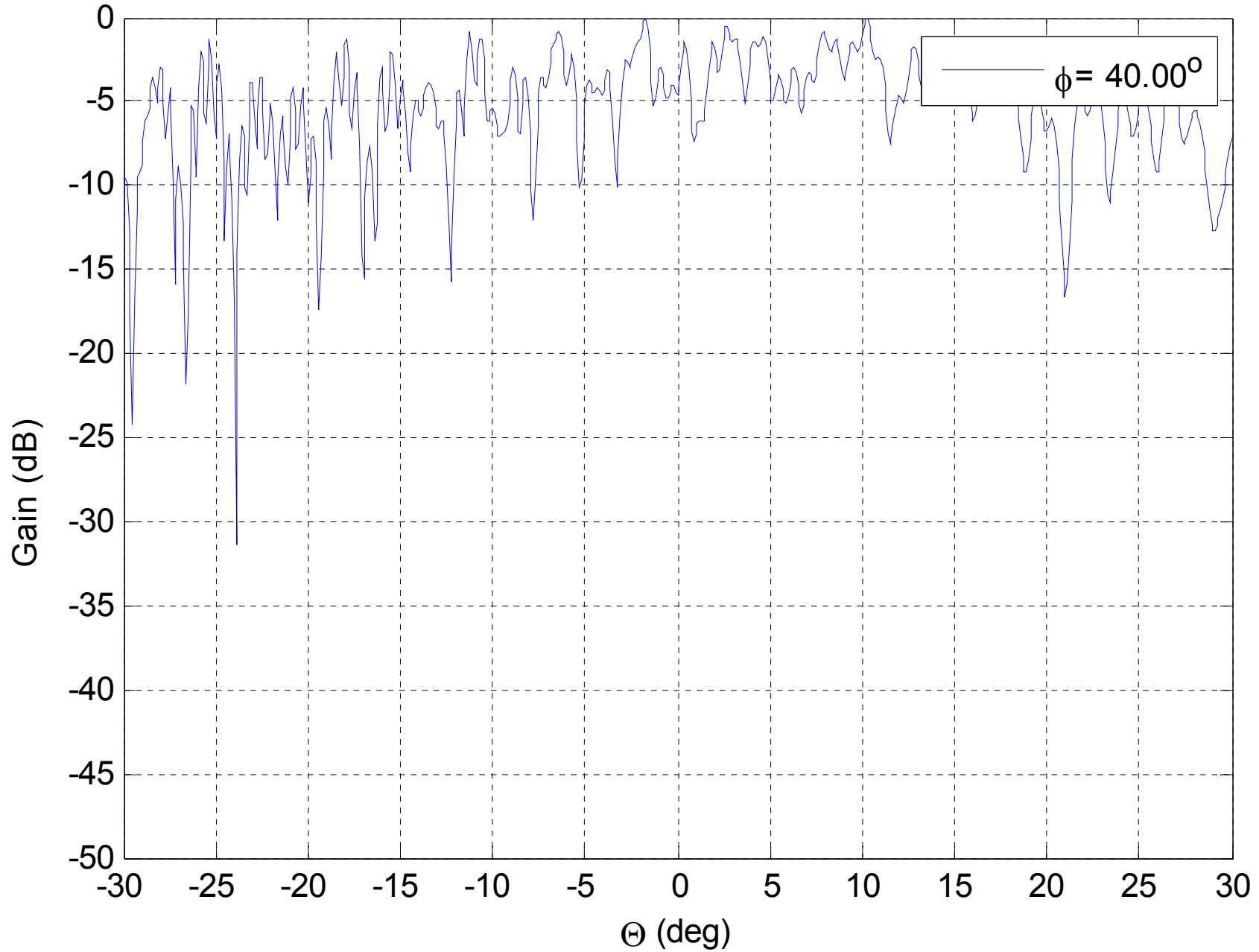
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-30.cut, Peak: -25.95 dB, Date: 2-Sep-2016



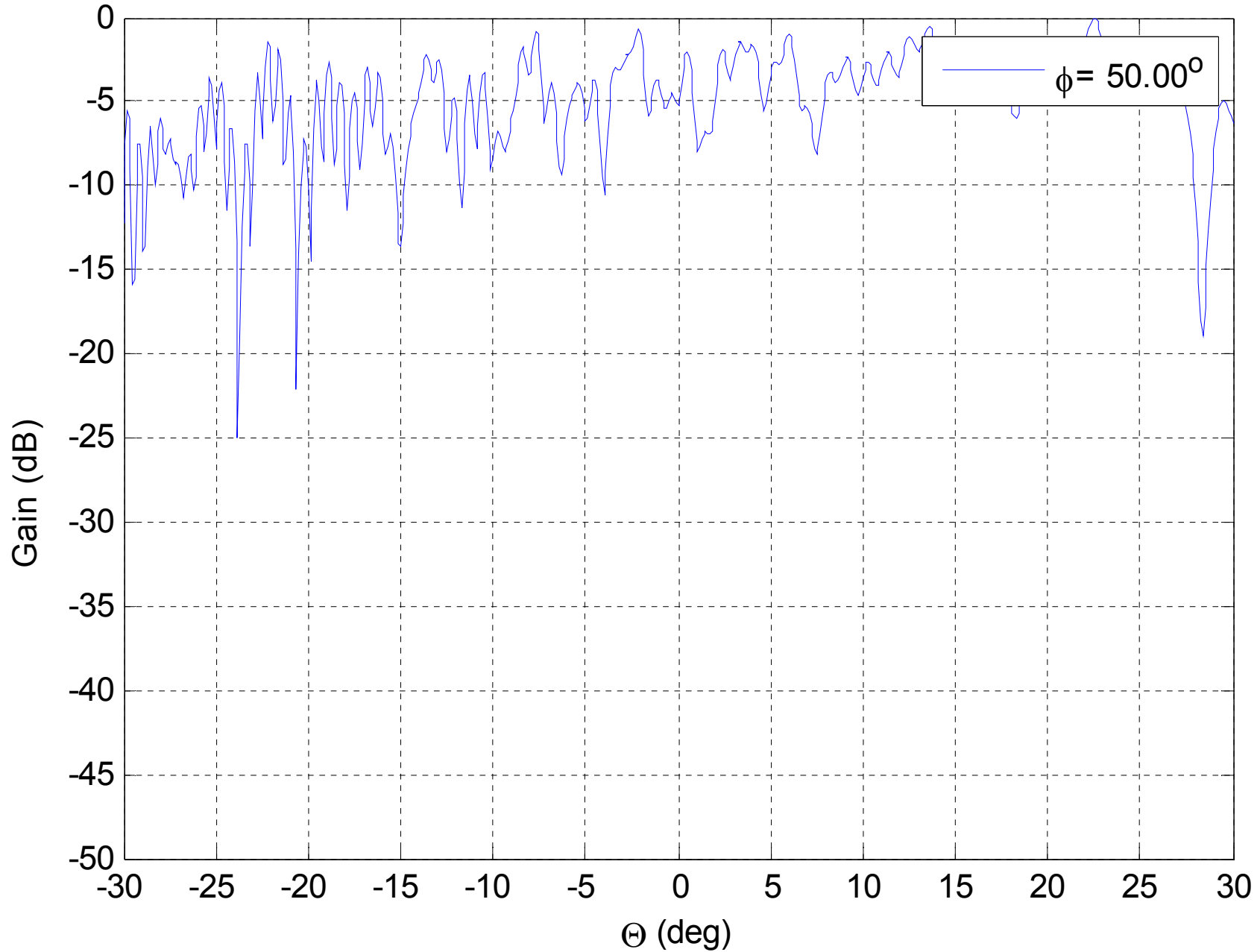
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-40.cut, Peak: -25.89 dB, Date: 2-Sep-2016



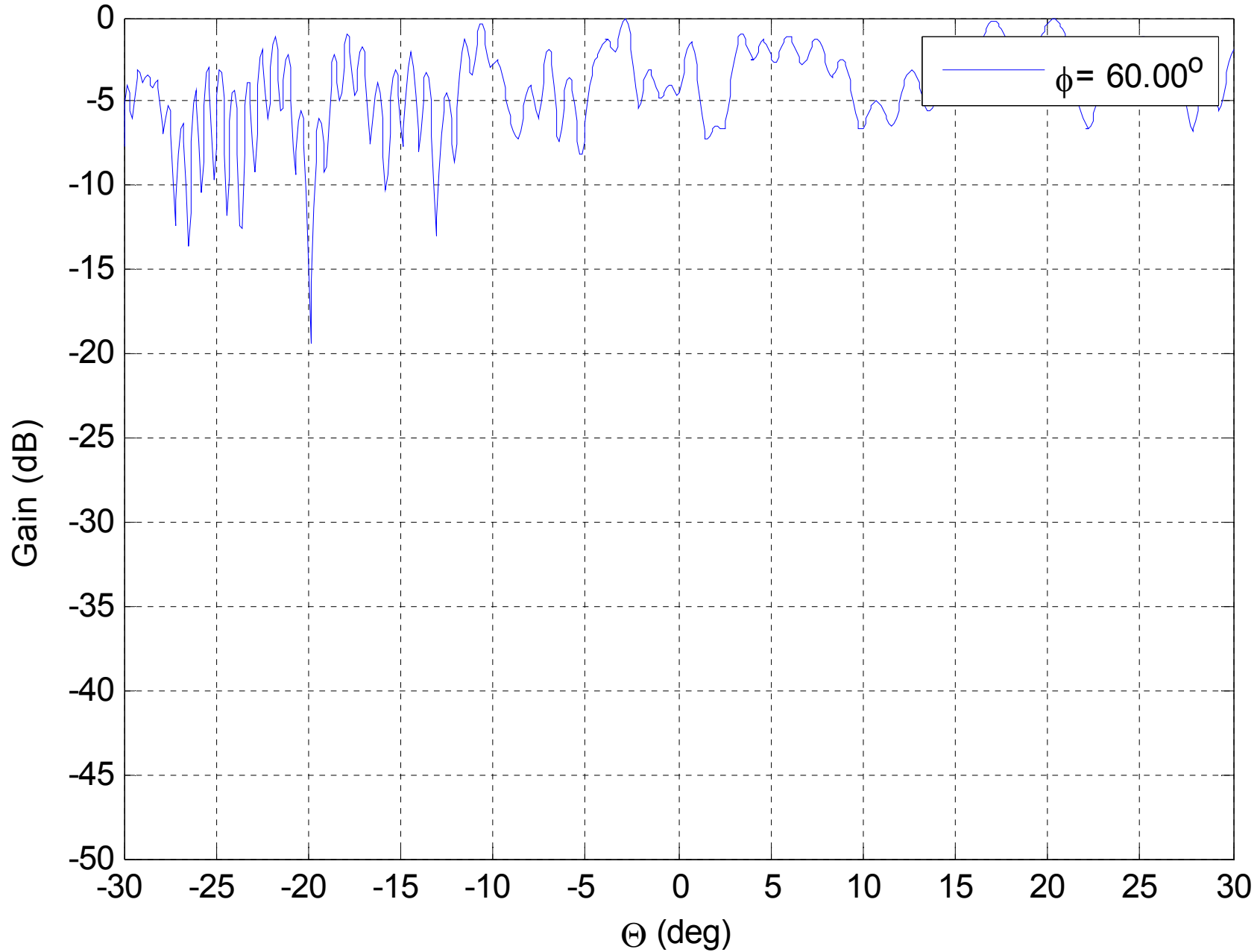
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-50.cut, Peak: -25.30 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-60.cut, Peak: -25.87 dB, Date: 2-Sep-2016

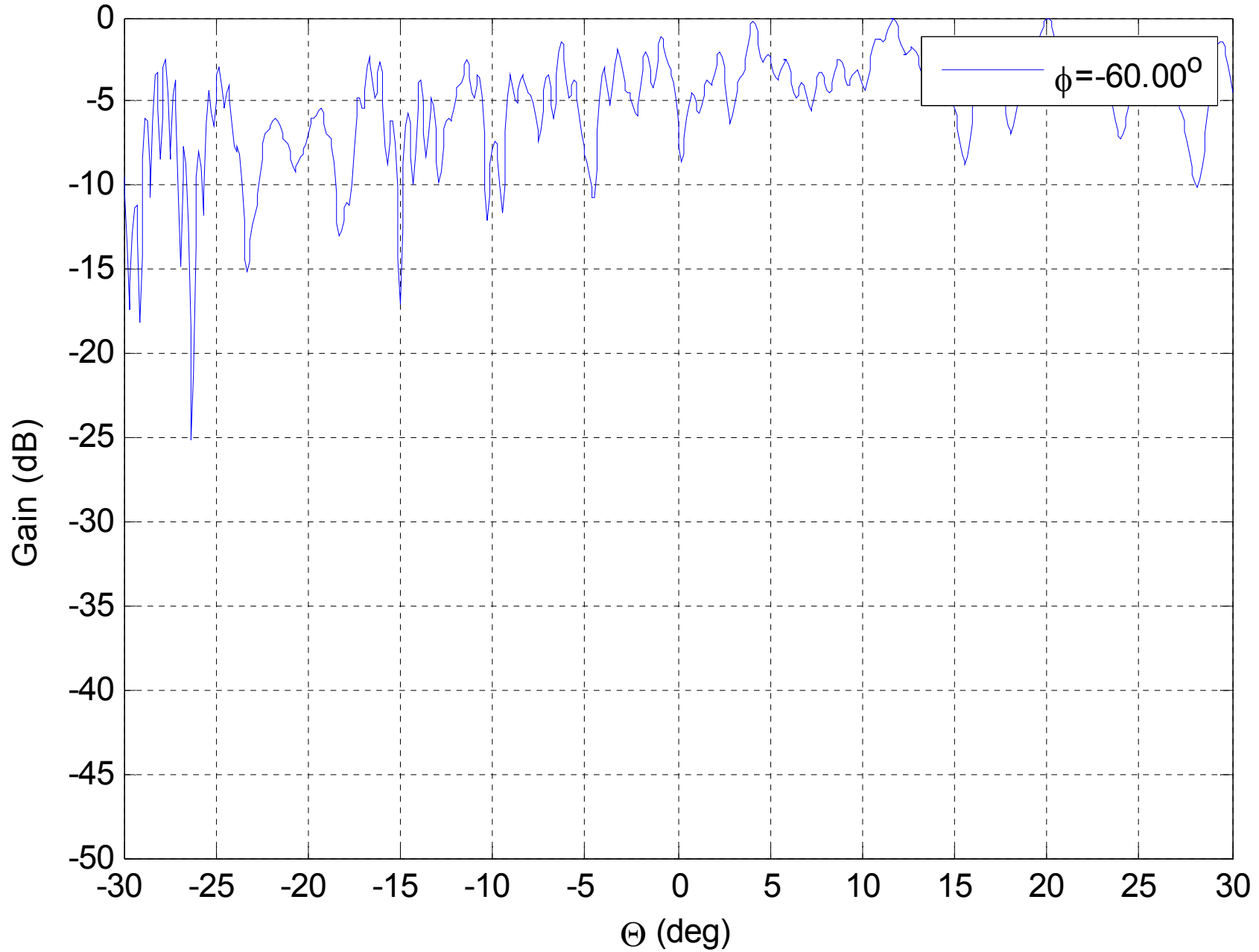




# RHCP at 17.5 GHz

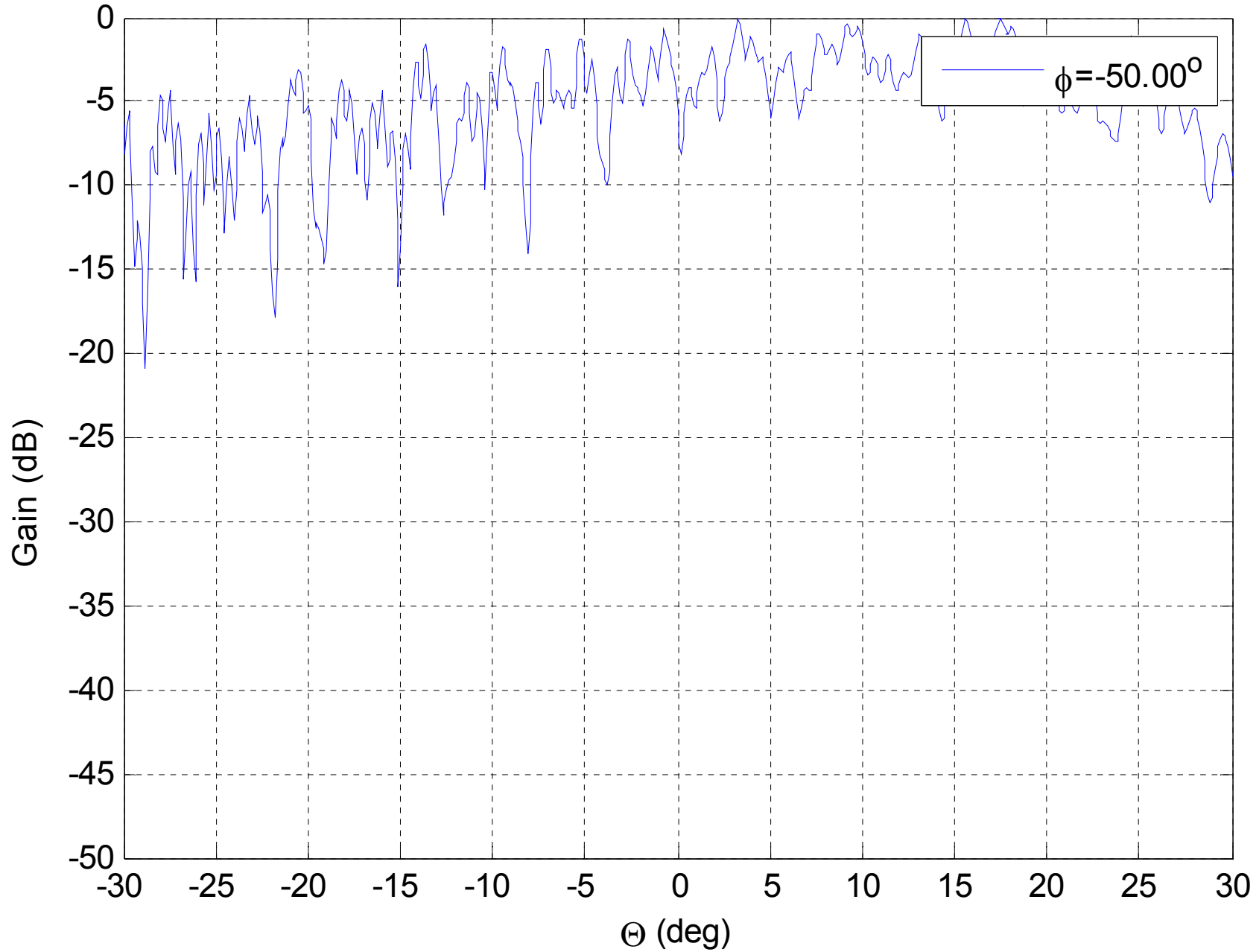
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-60.cut, Peak: -25.29 dB, Date: 2-Sep-2016



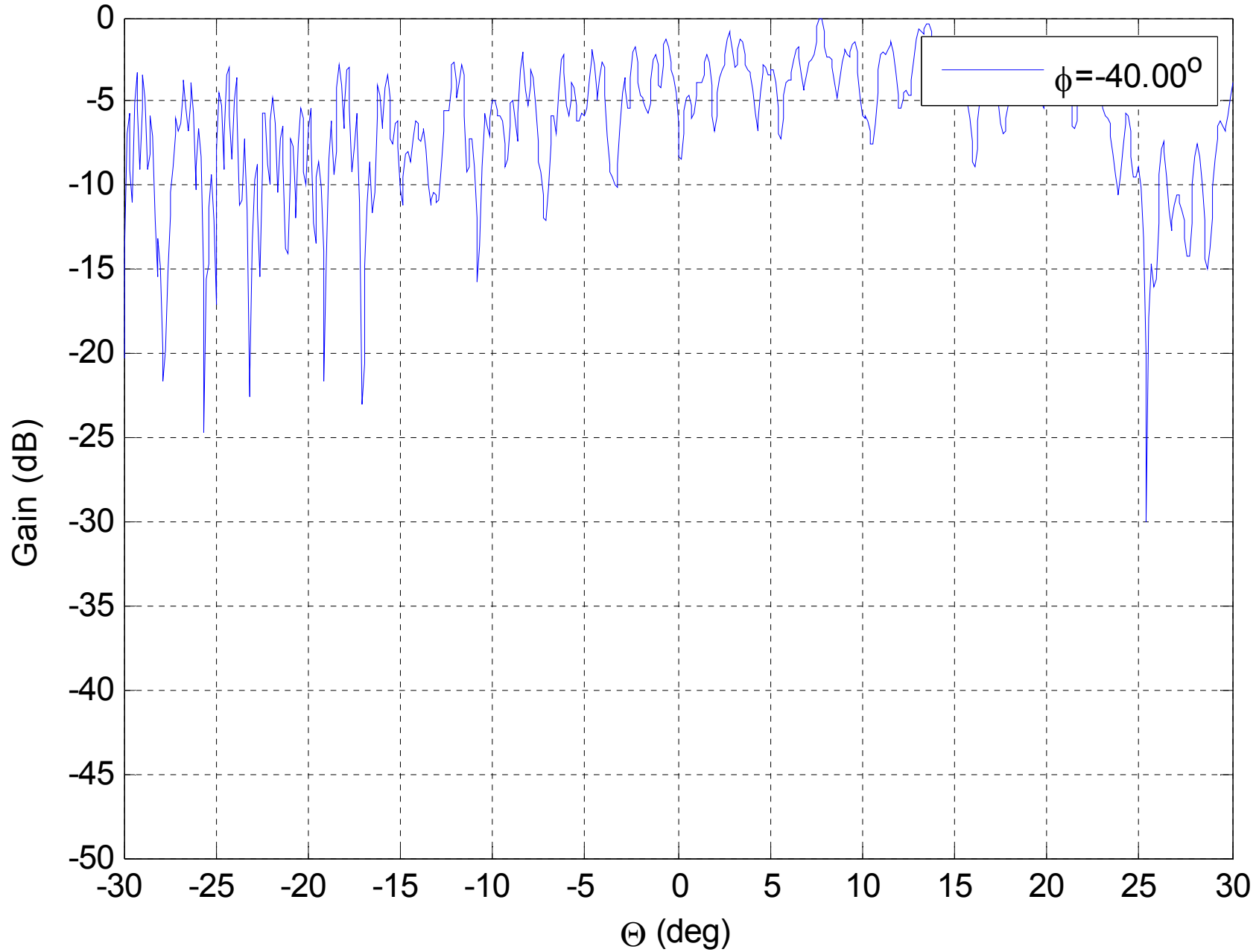
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--50.cut, Peak: -25.71 dB, Date: 2-Sep-2016



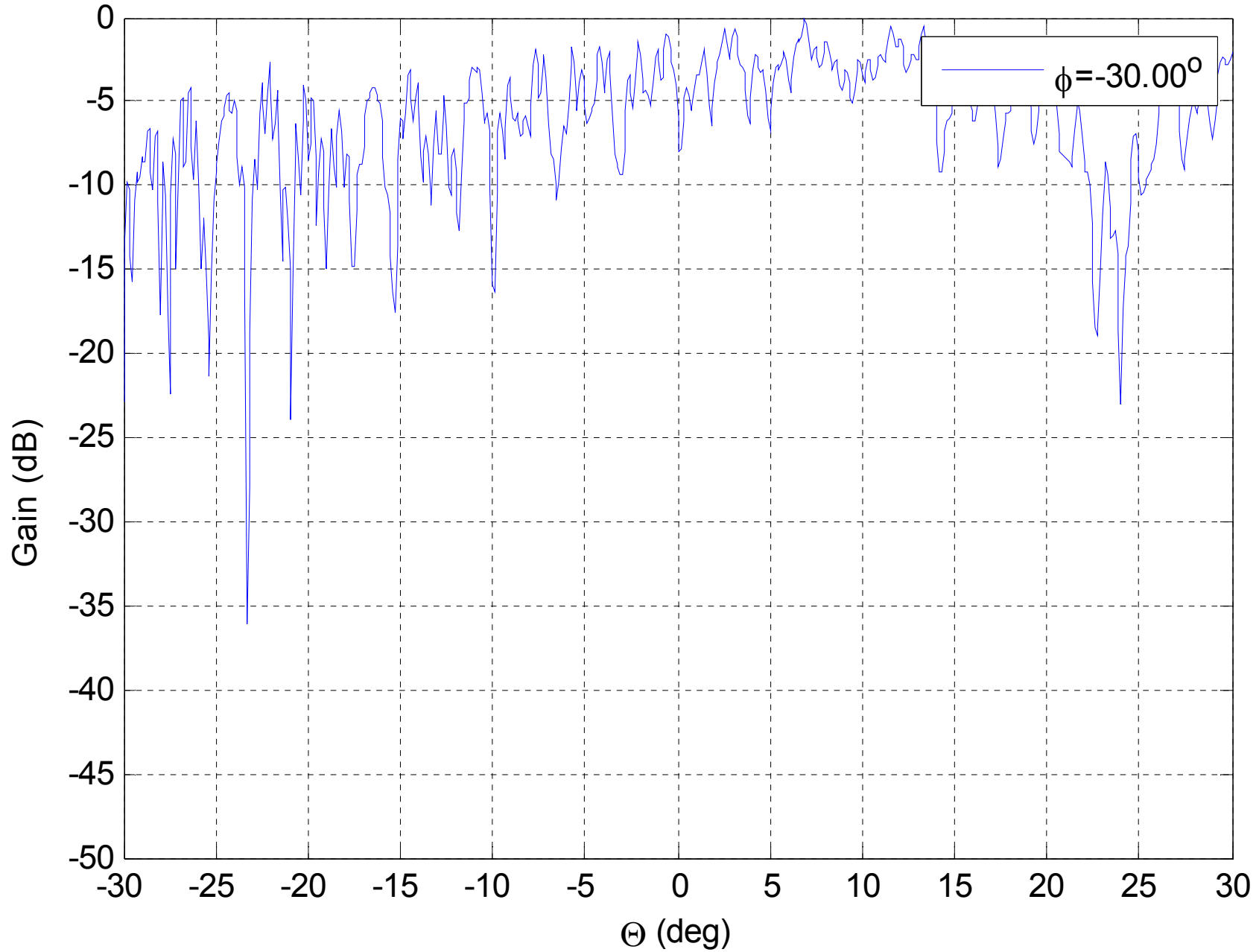
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-40.cut, Peak: -25.20 dB, Date: 2-Sep-2016



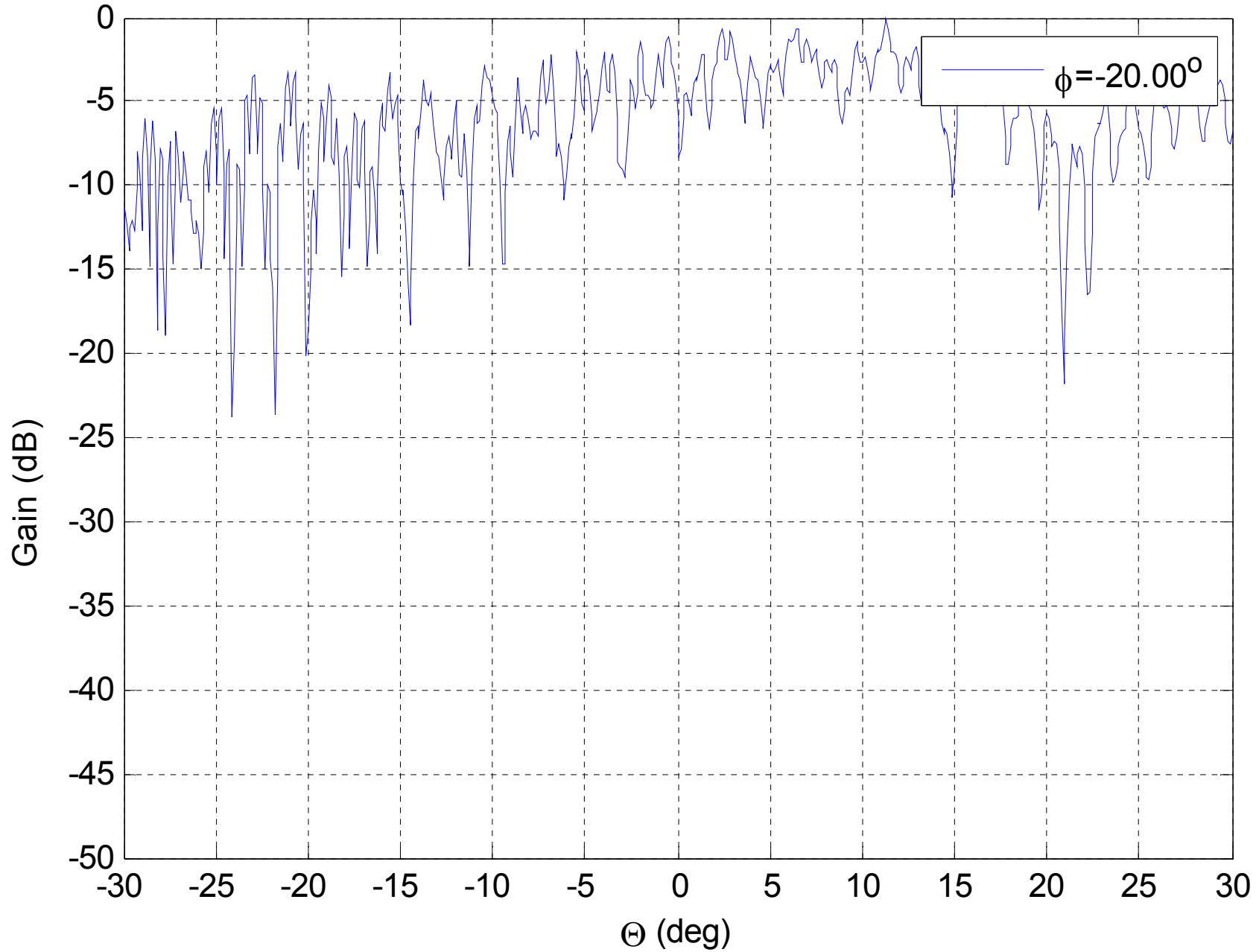
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--30.cut, Peak: -25.56 dB, Date: 2-Sep-2016



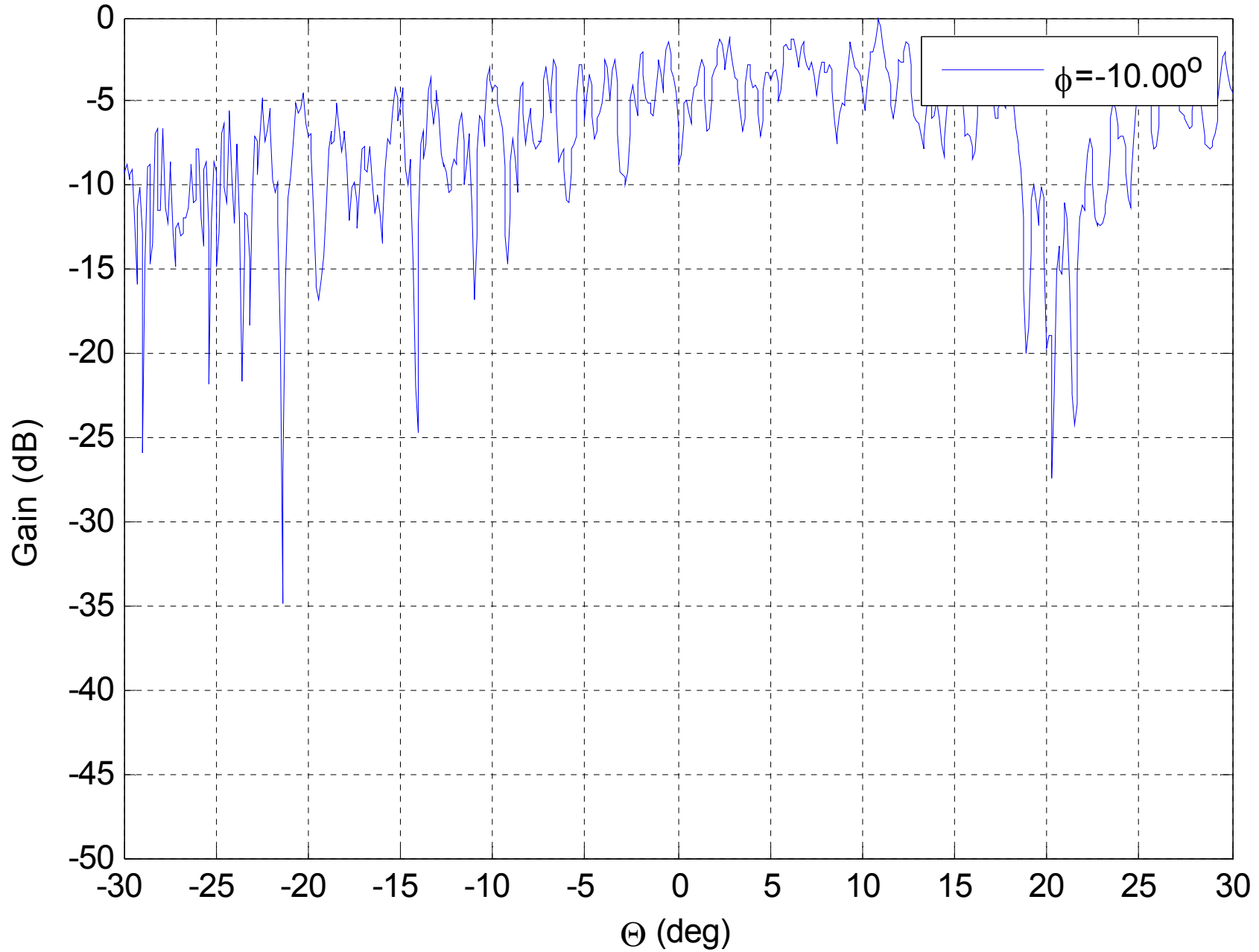
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--20.cut, Peak: -25.39 dB, Date: 2-Sep-2016



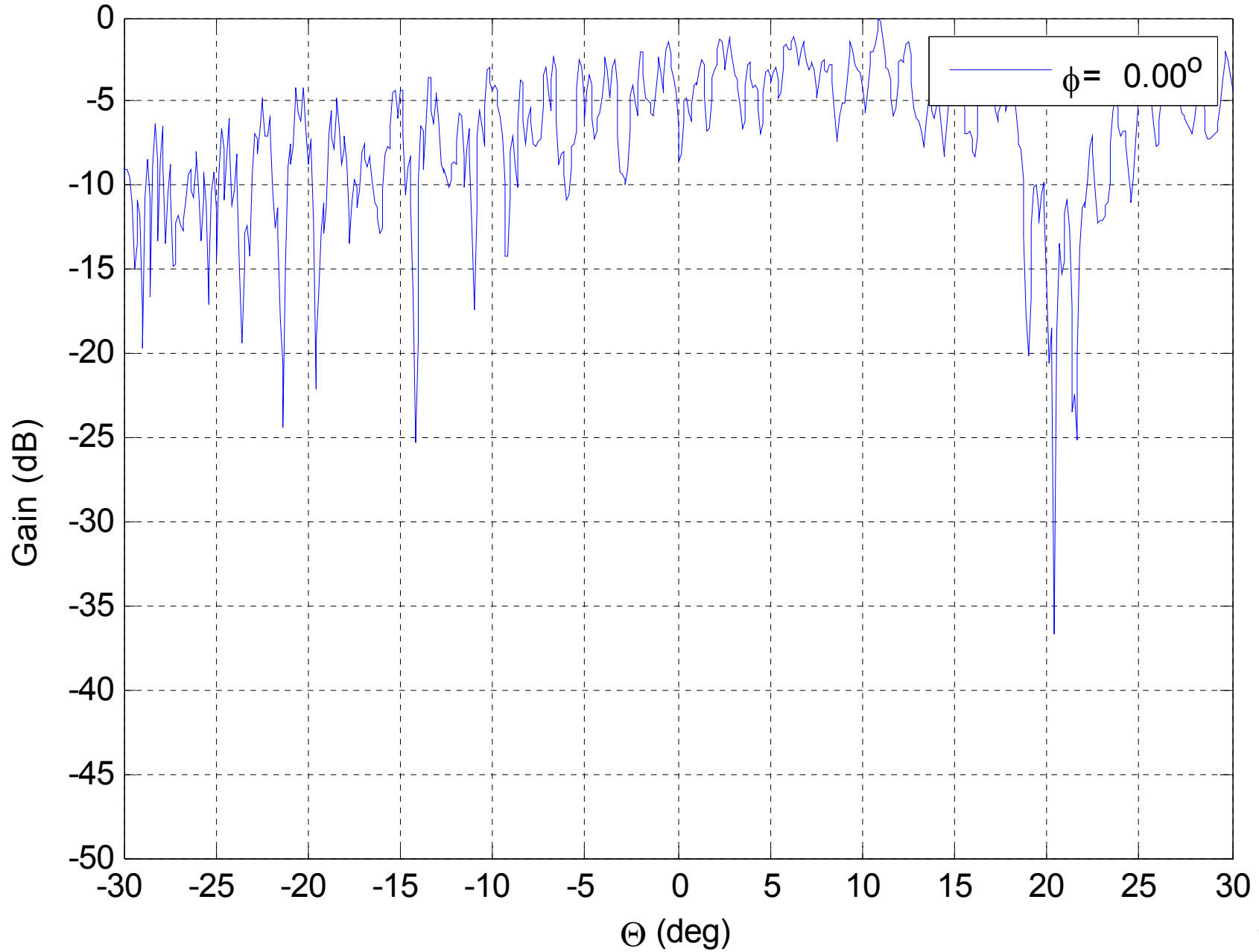
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--10.cut, Peak: -24.98 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

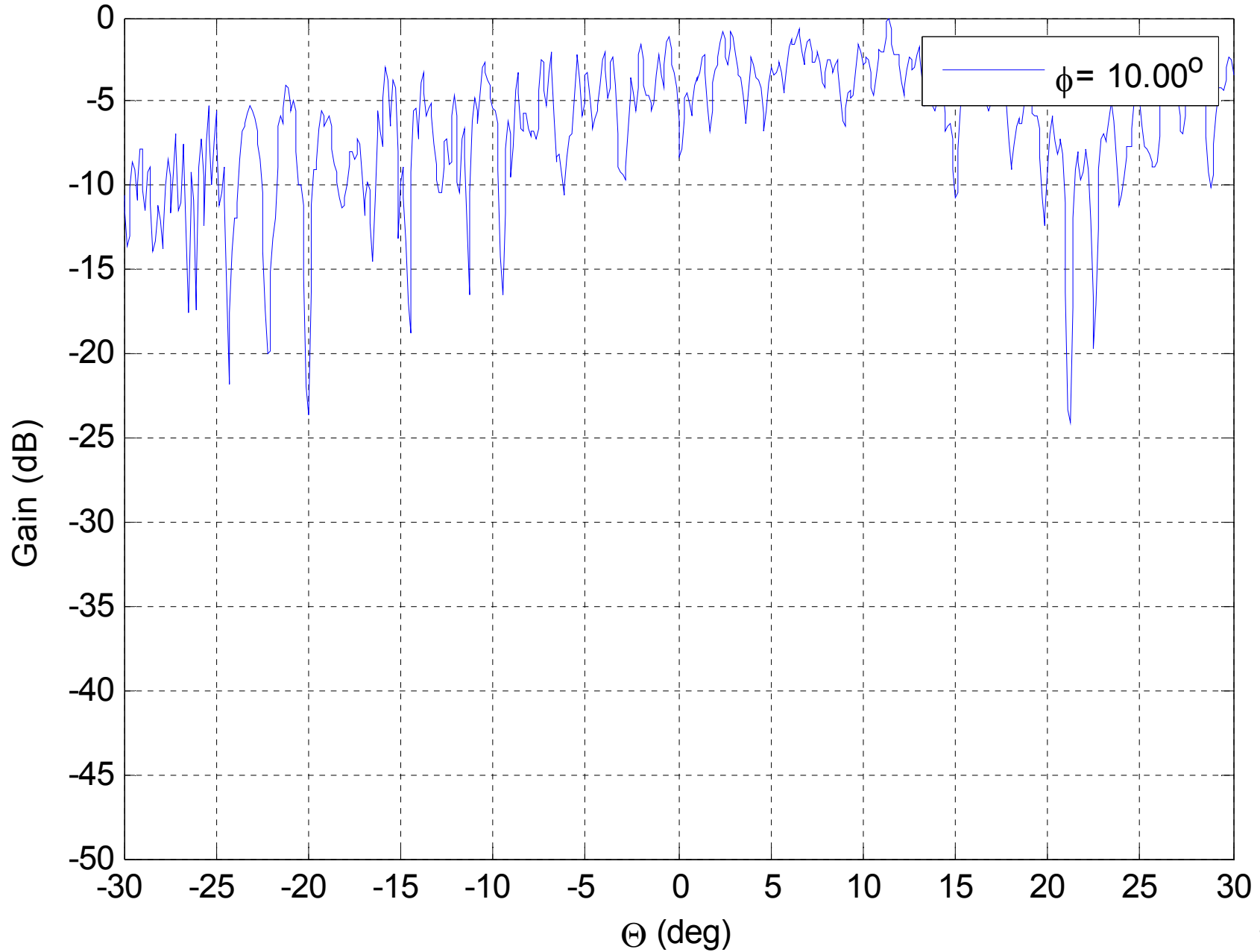
Input file: tx-17.5-rhcp-0.cut, Peak: -25.01 dB, Date: 2-Sep-2016





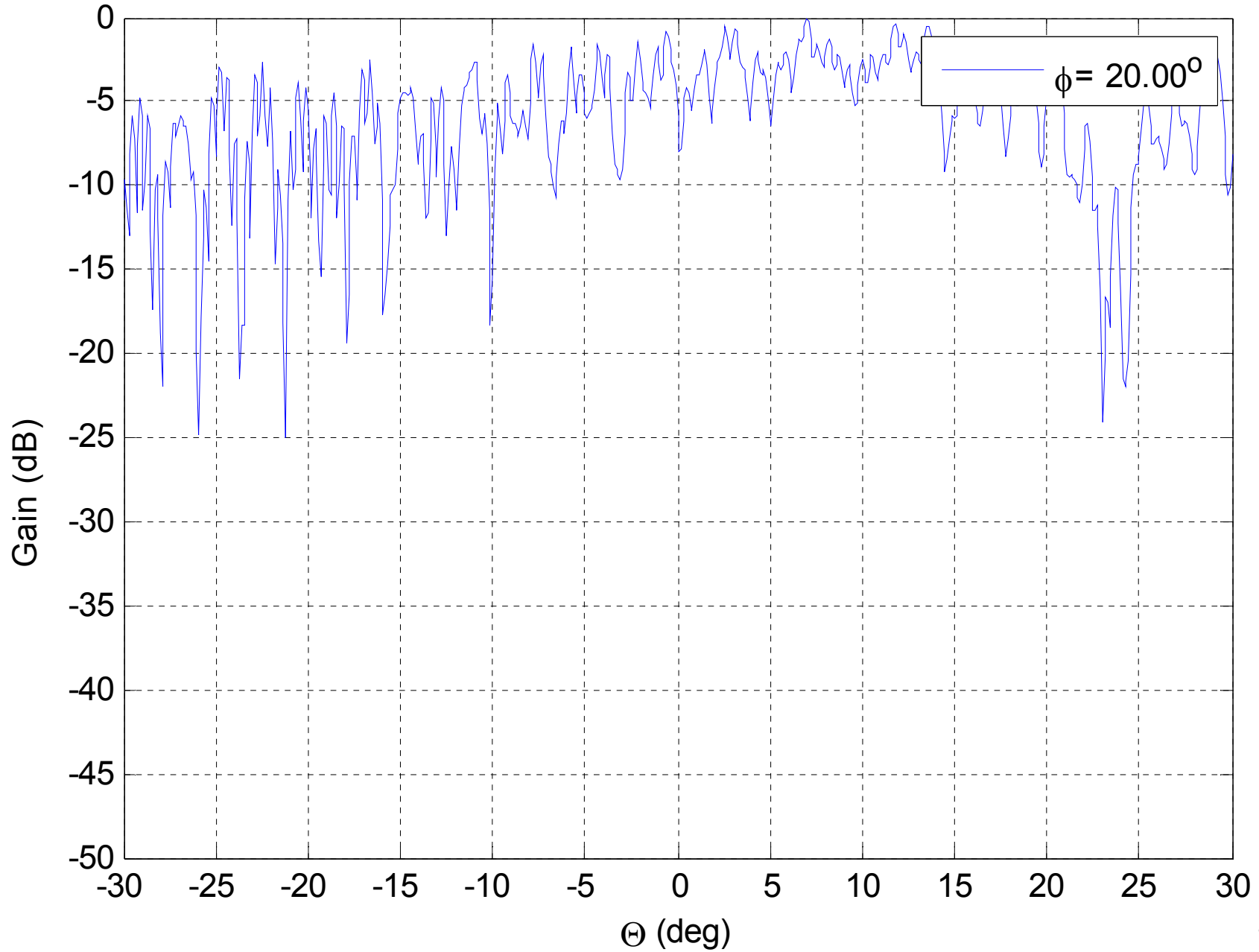
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-10.cut, Peak: -25.33 dB, Date: 2-Sep-2016



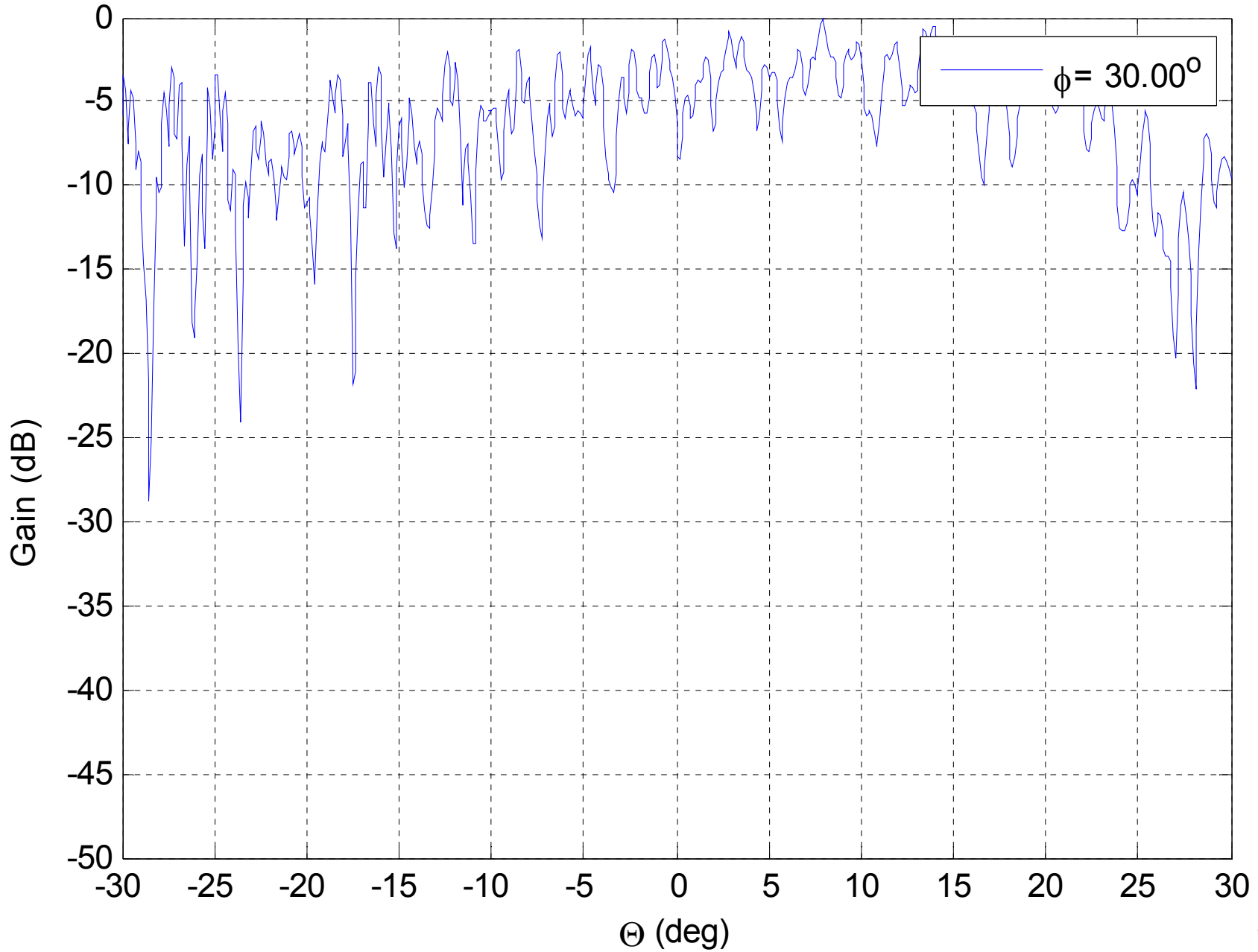
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-20.cut, Peak: -25.61 dB, Date: 2-Sep-2016



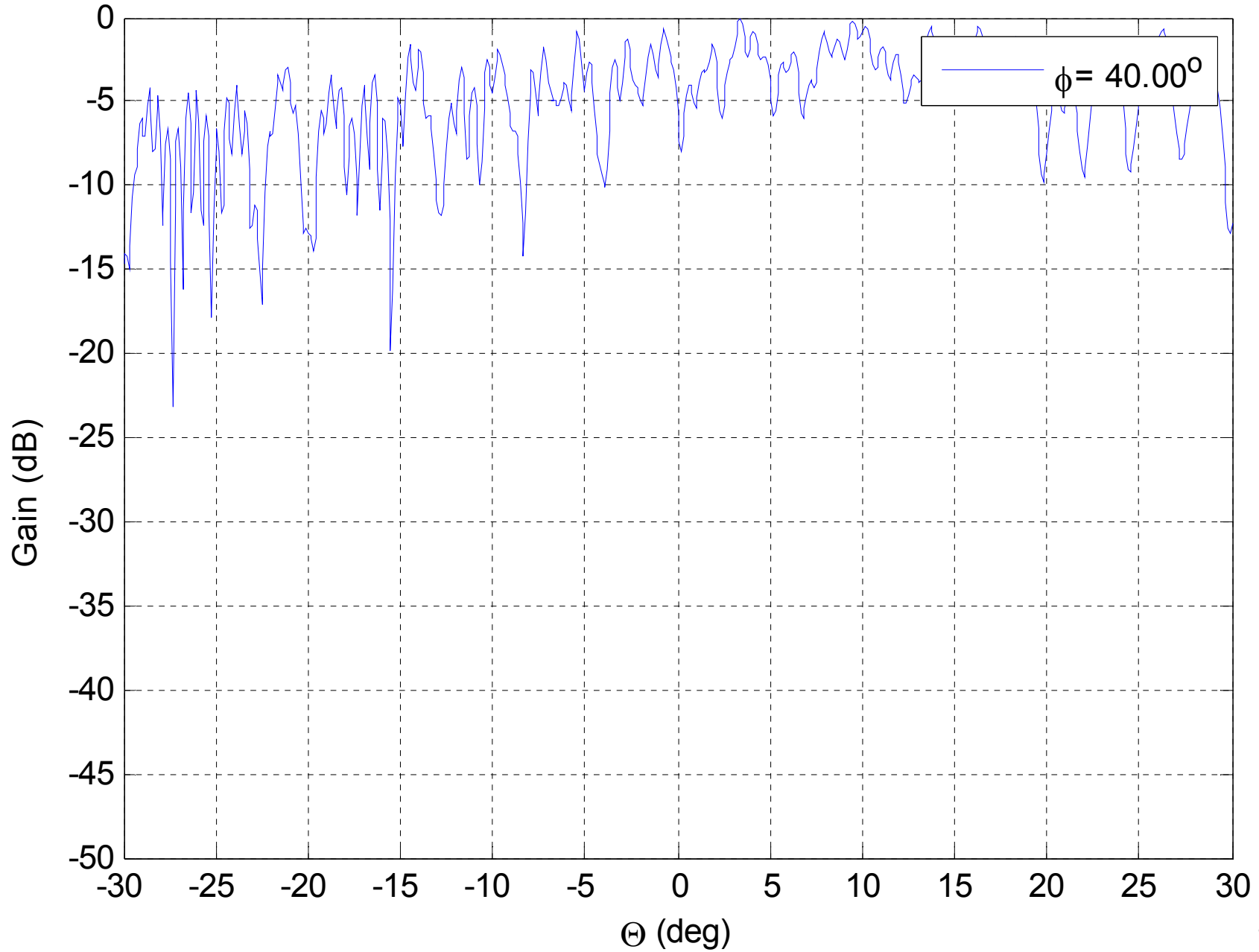
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-30.cut, Peak: -25.18 dB, Date: 2-Sep-2016



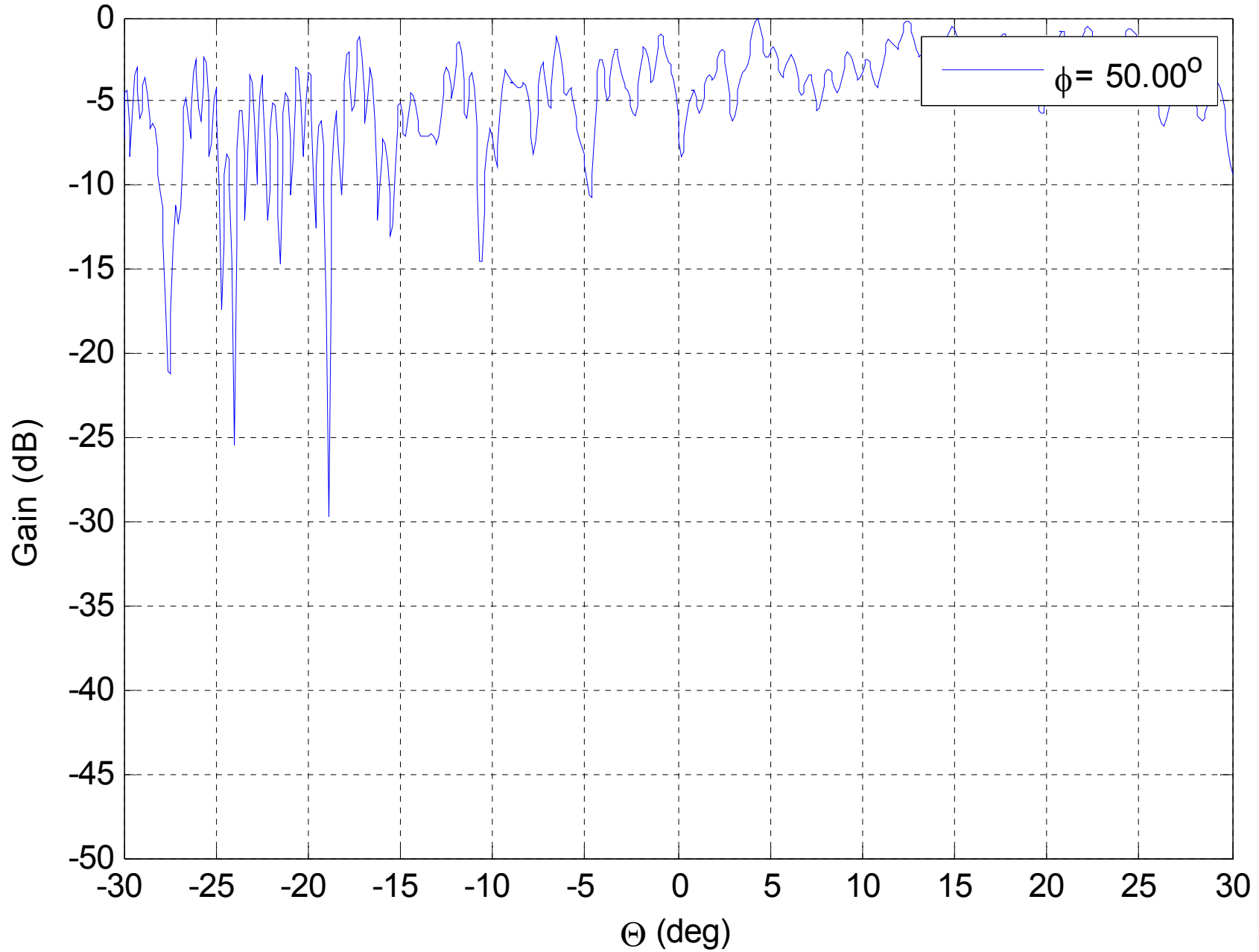
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-40.cut, Peak: -25.84 dB, Date: 2-Sep-2016



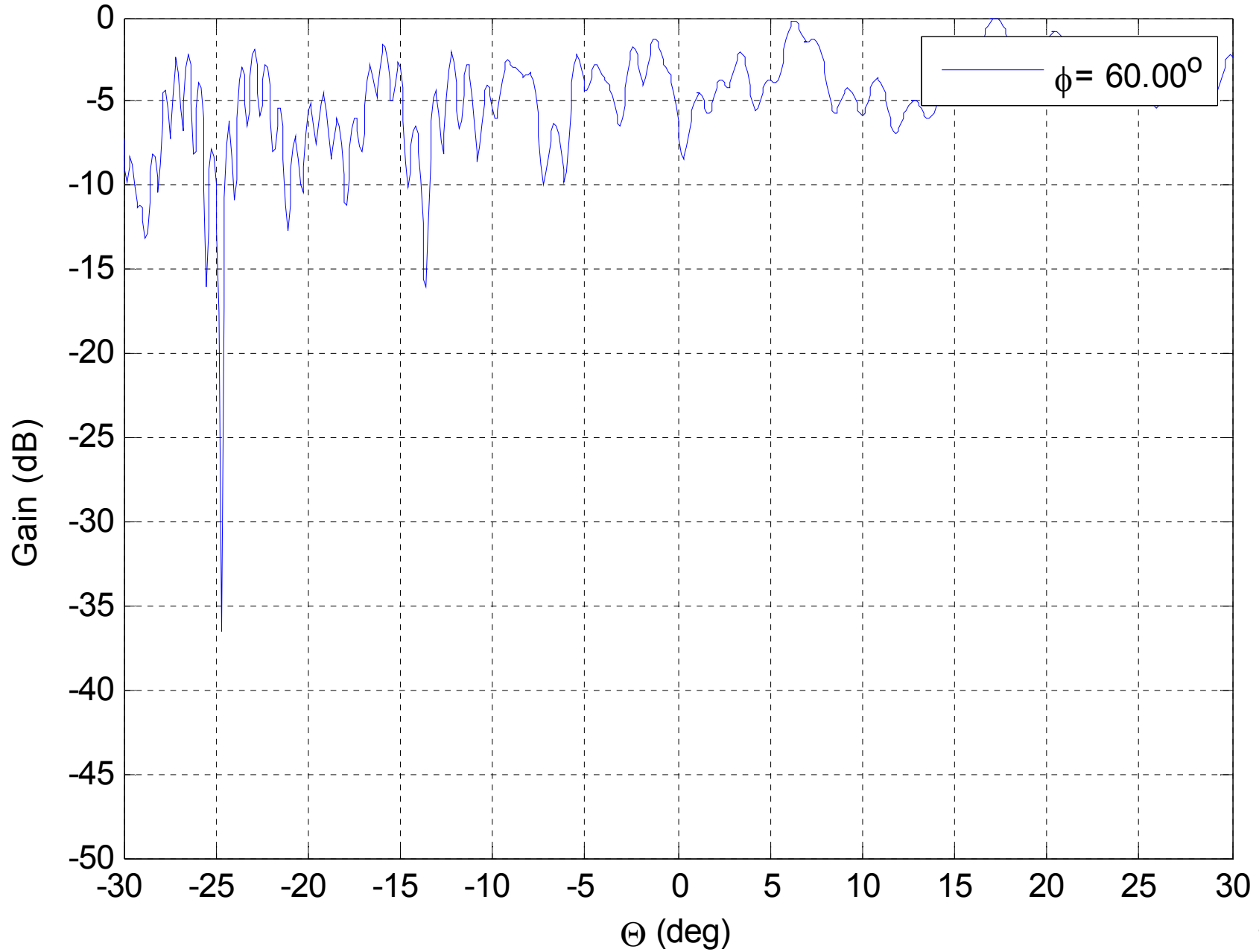
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-50.cut, Peak: -25.53 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

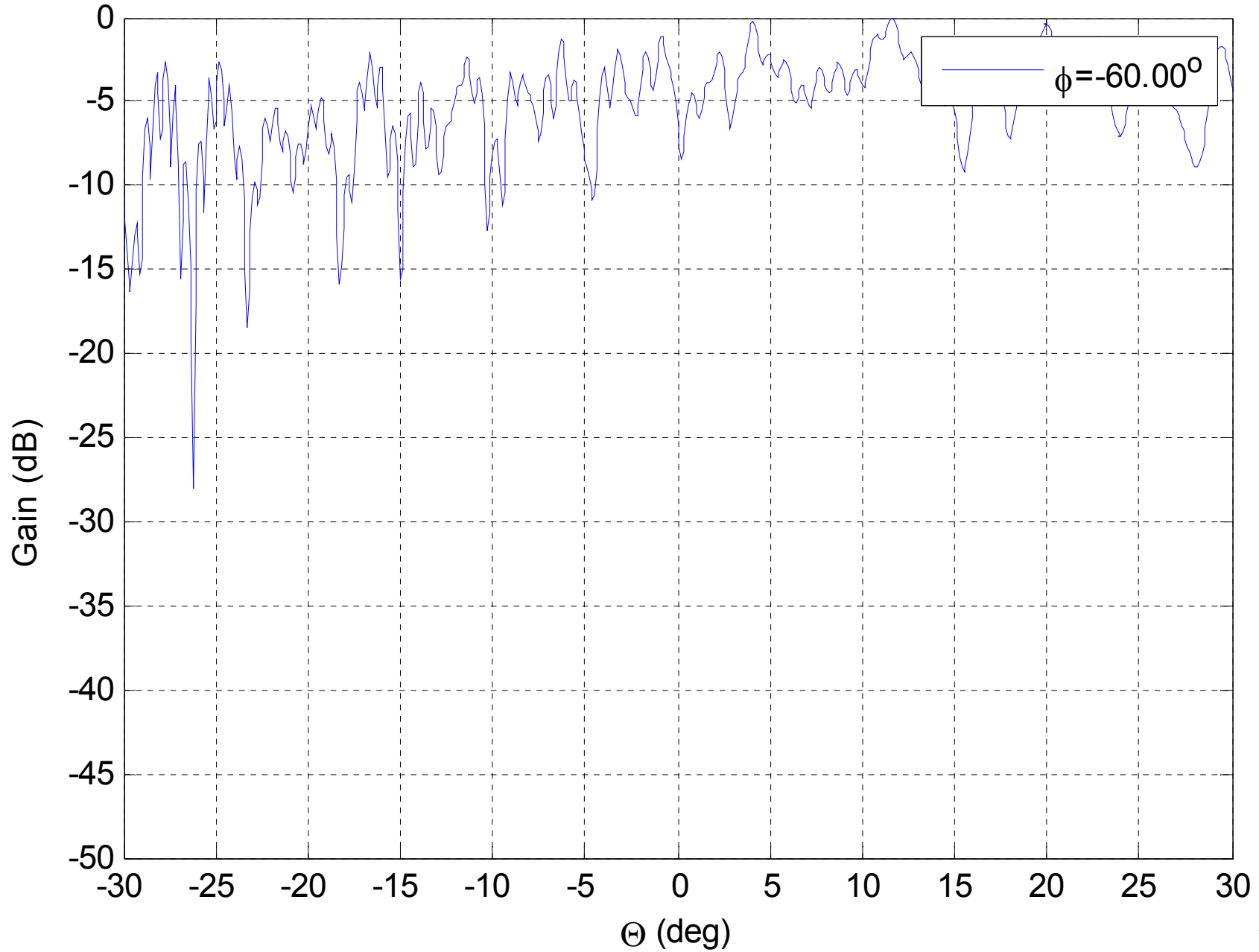
Input file: tx-17.5-rhcp-60.cut, Peak: -25.31 dB, Date: 2-Sep-2016



# LHCP at 17.5 GHz

# Normalized pattern cuts - farfield

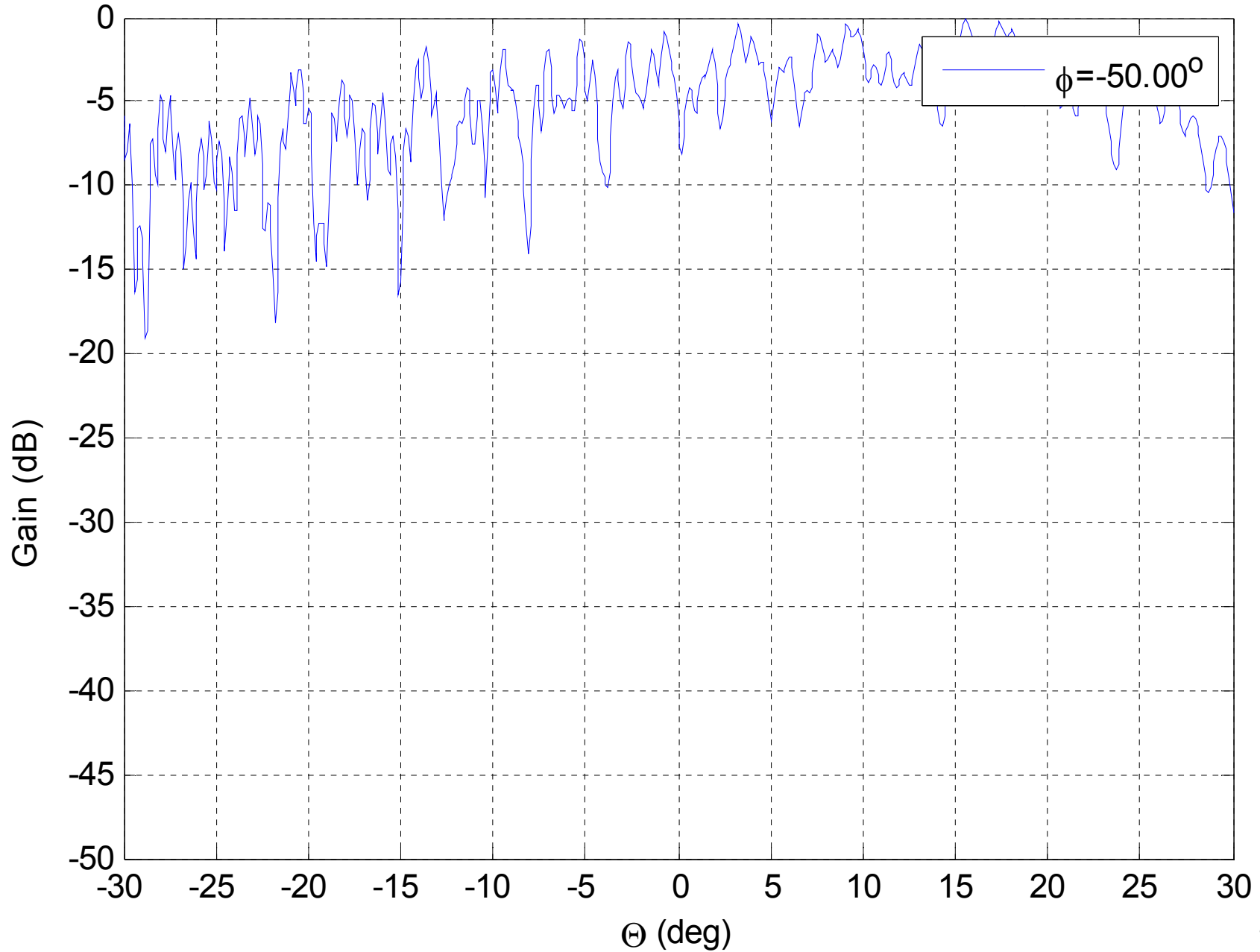
Input file: tx-17.5-lhcp-60.cut, Peak: -25.25 dB, Date: 2-Sep-2016





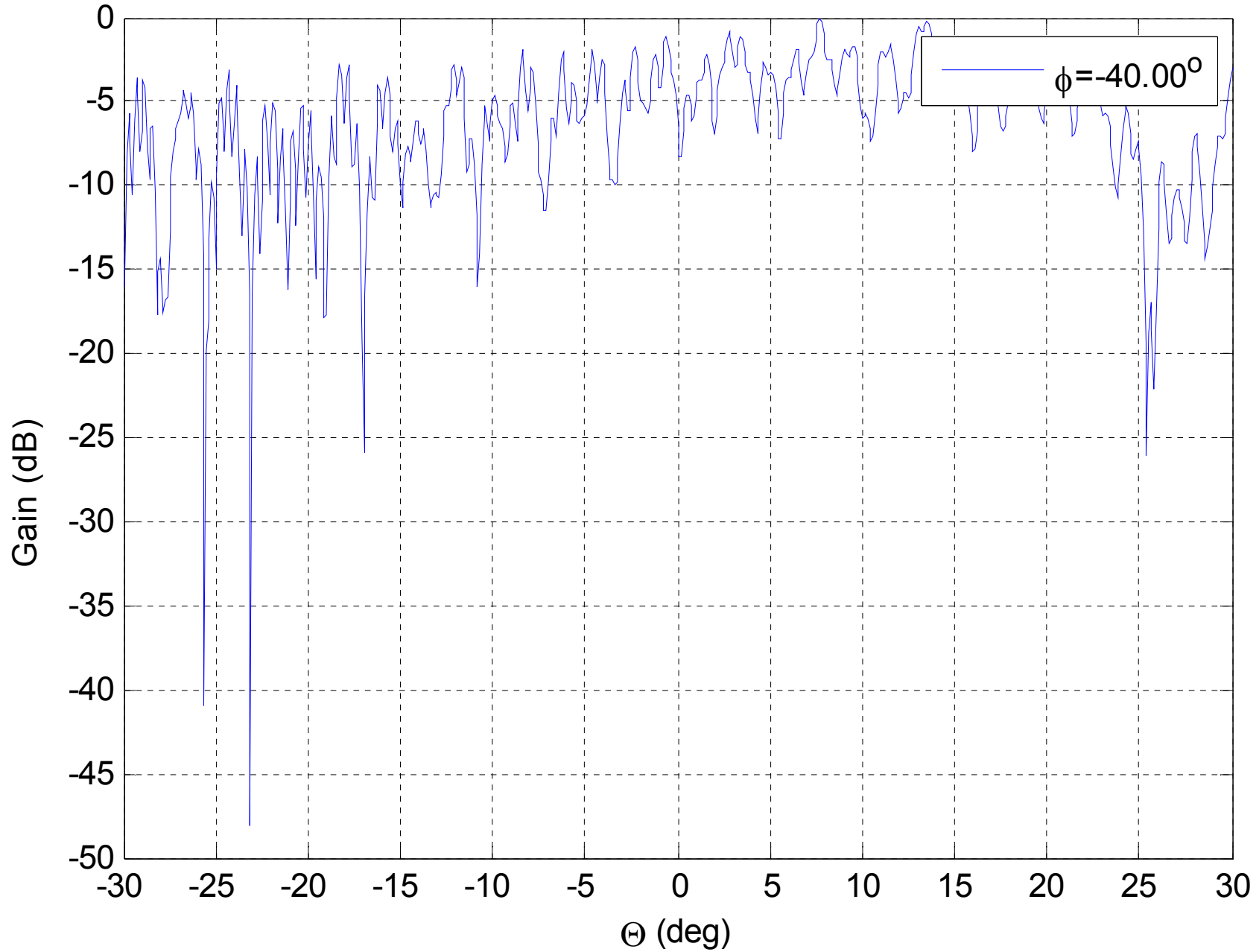
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-50.cut, Peak: -25.52 dB, Date: 2-Sep-2016



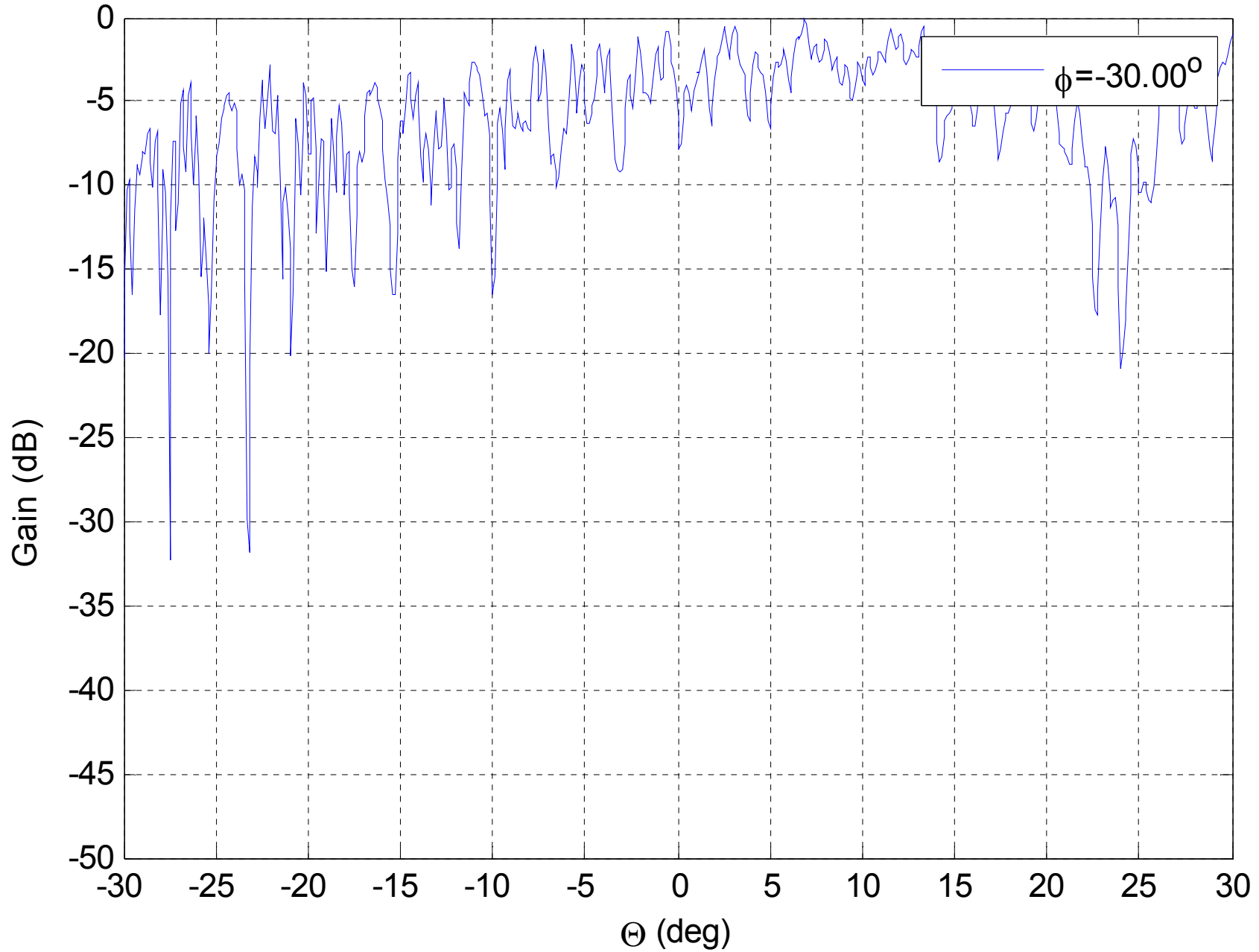
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-40.cut, Peak: -25.18 dB, Date: 2-Sep-2016



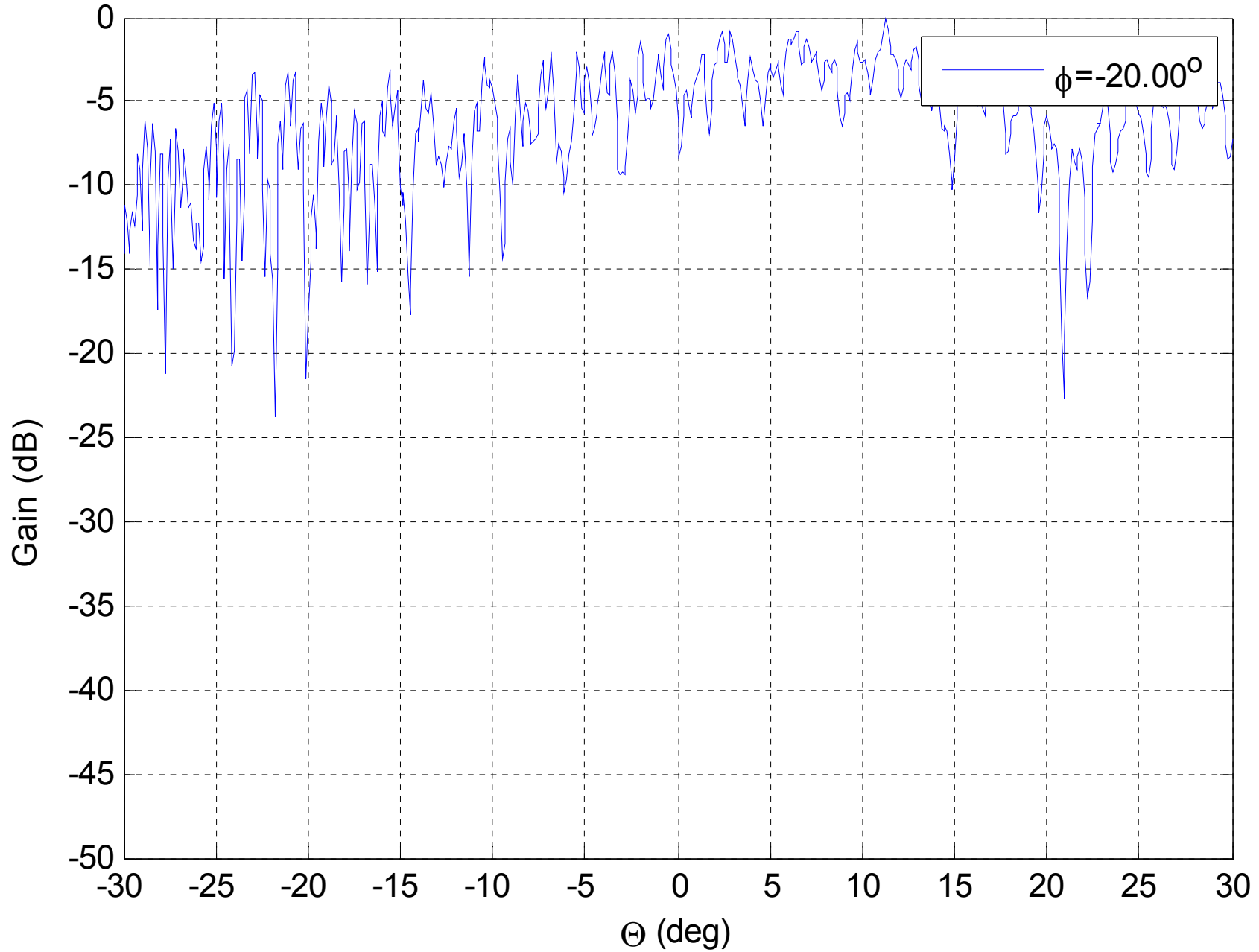
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-30.cut, Peak: -25.65 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

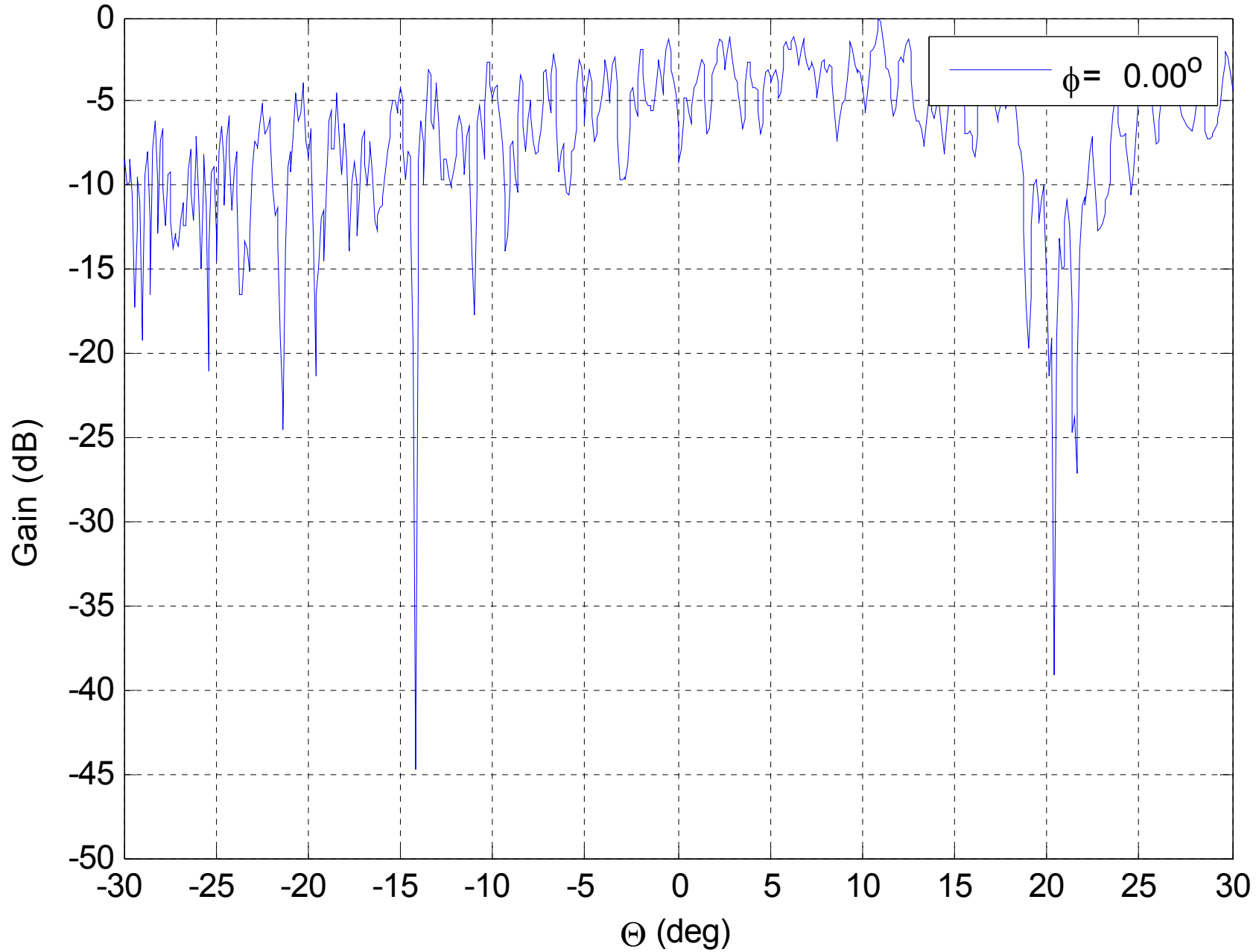
Input file: tx-17.5-lhcp-20.cut, Peak: -25.32 dB, Date: 2-Sep-2016





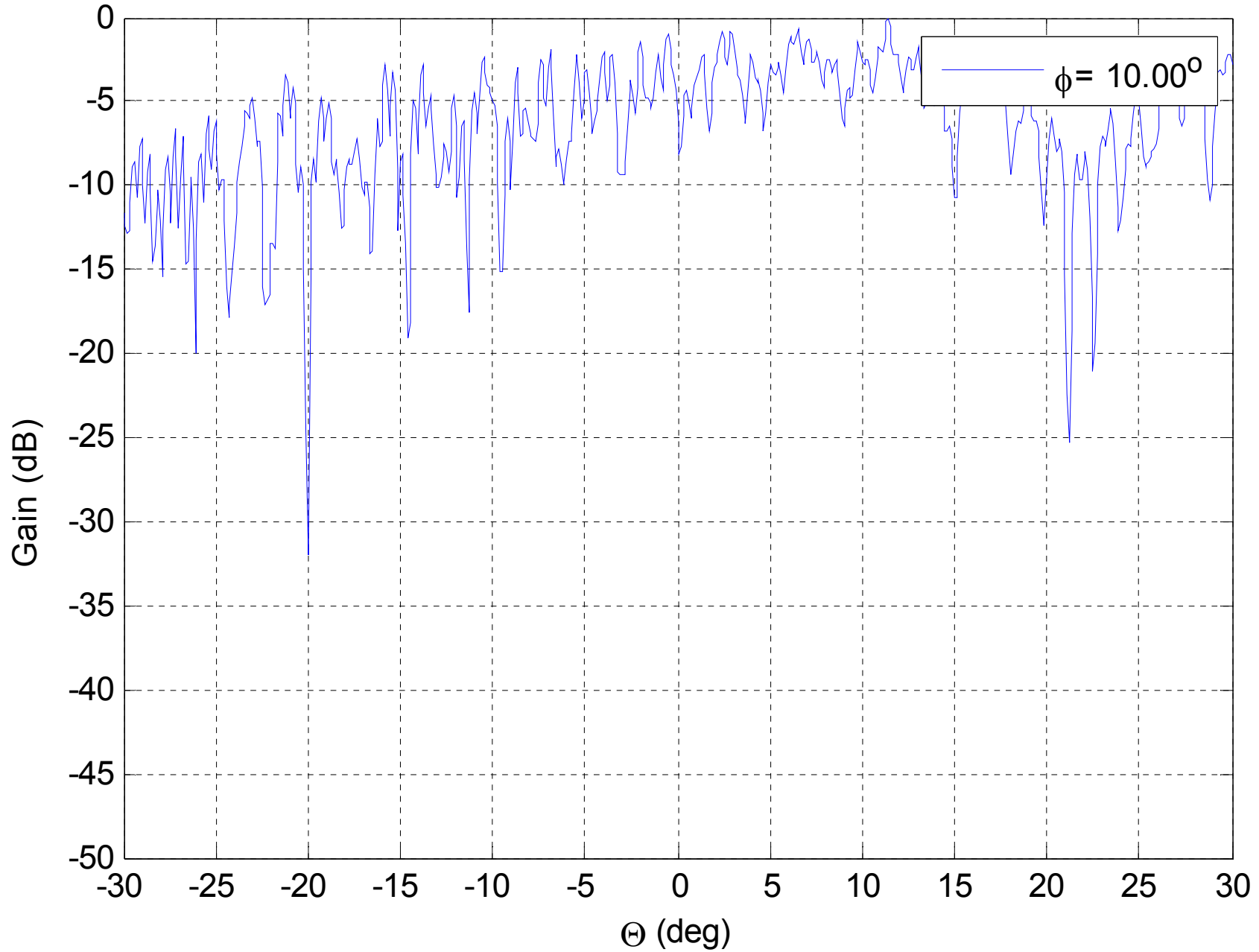
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-0.cut, Peak: -25.02 dB, Date: 2-Sep-2016



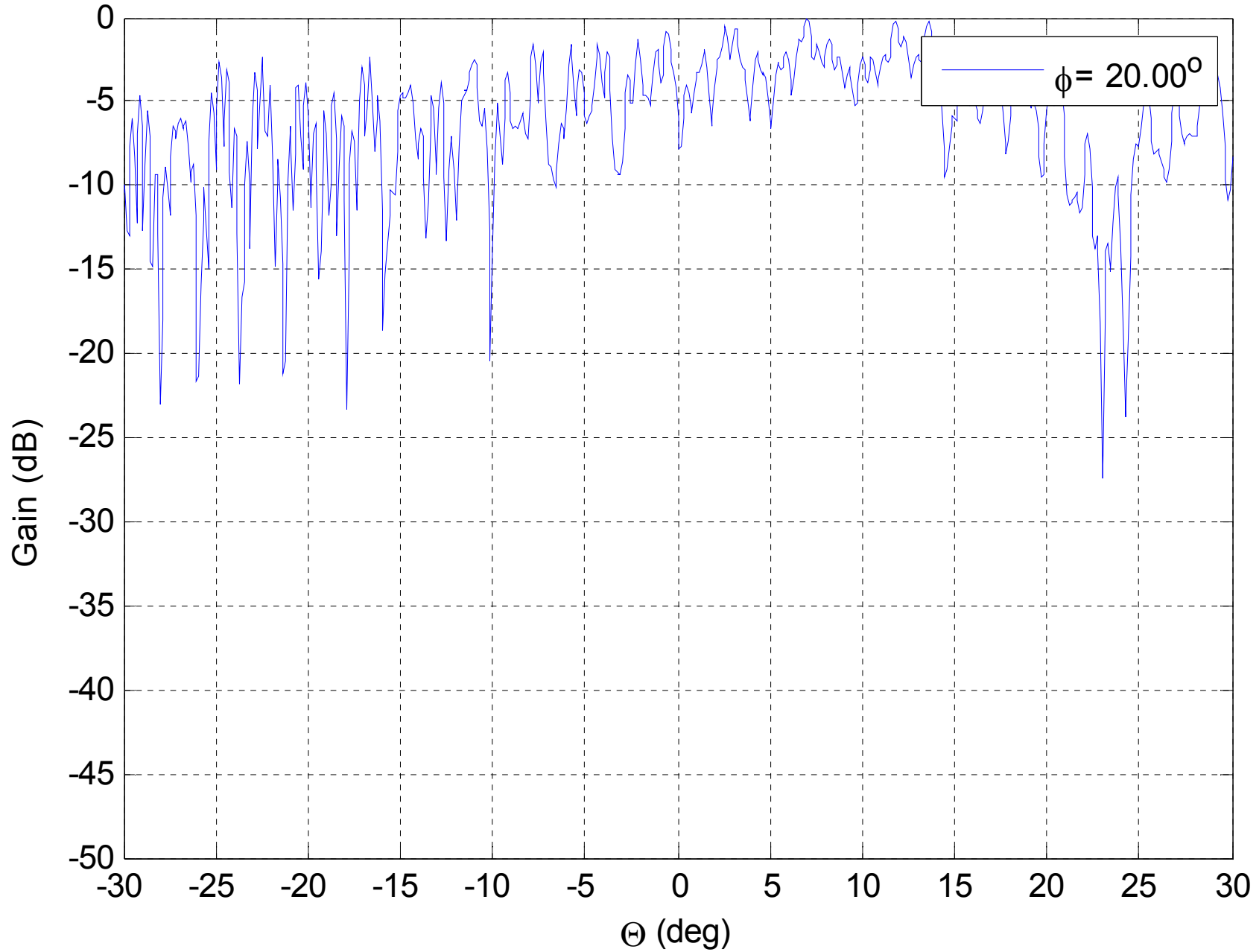
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-10.cut, Peak: -25.36 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

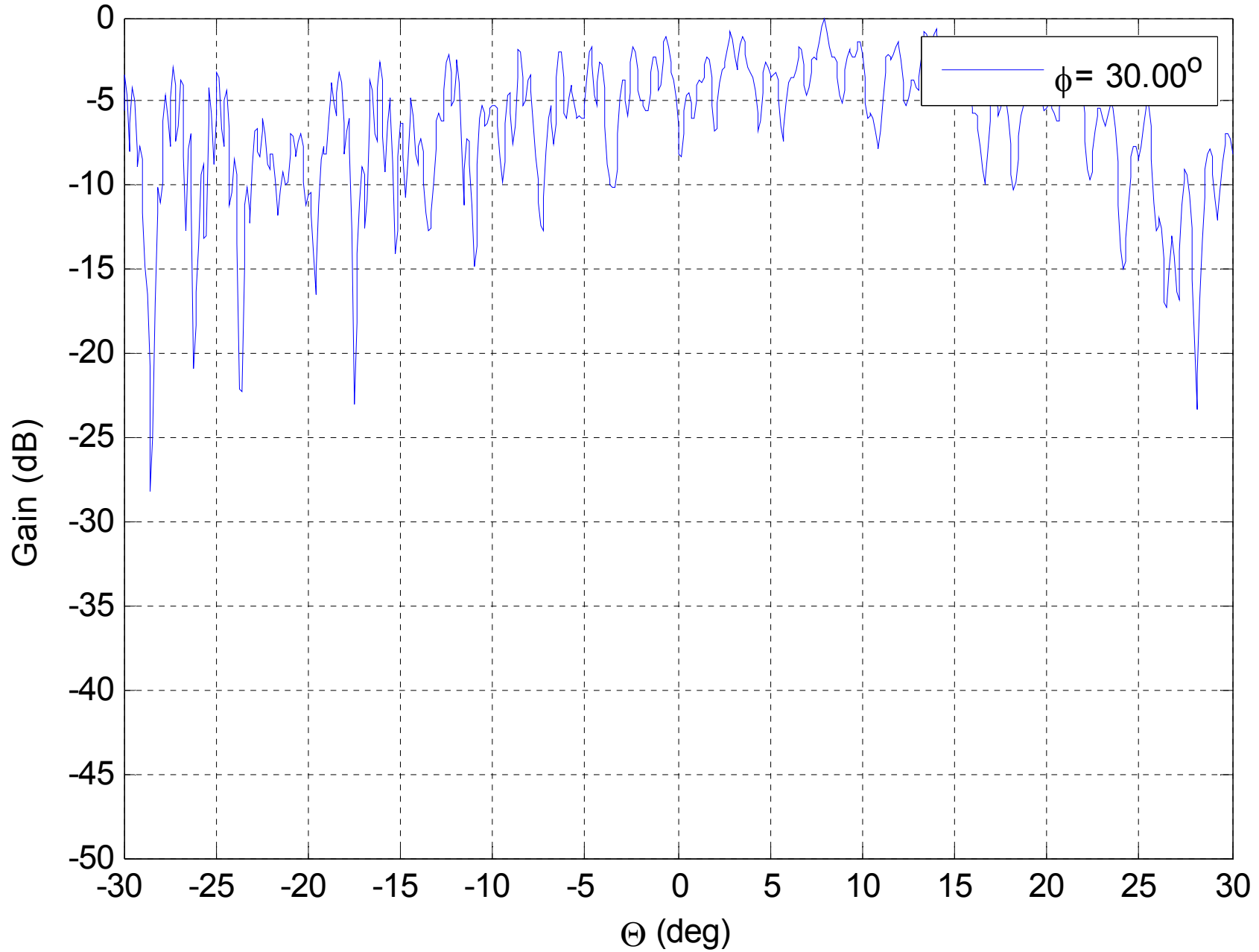
Input file: tx-17.5-lhcp-20.cut, Peak: -25.60 dB, Date: 2-Sep-2016





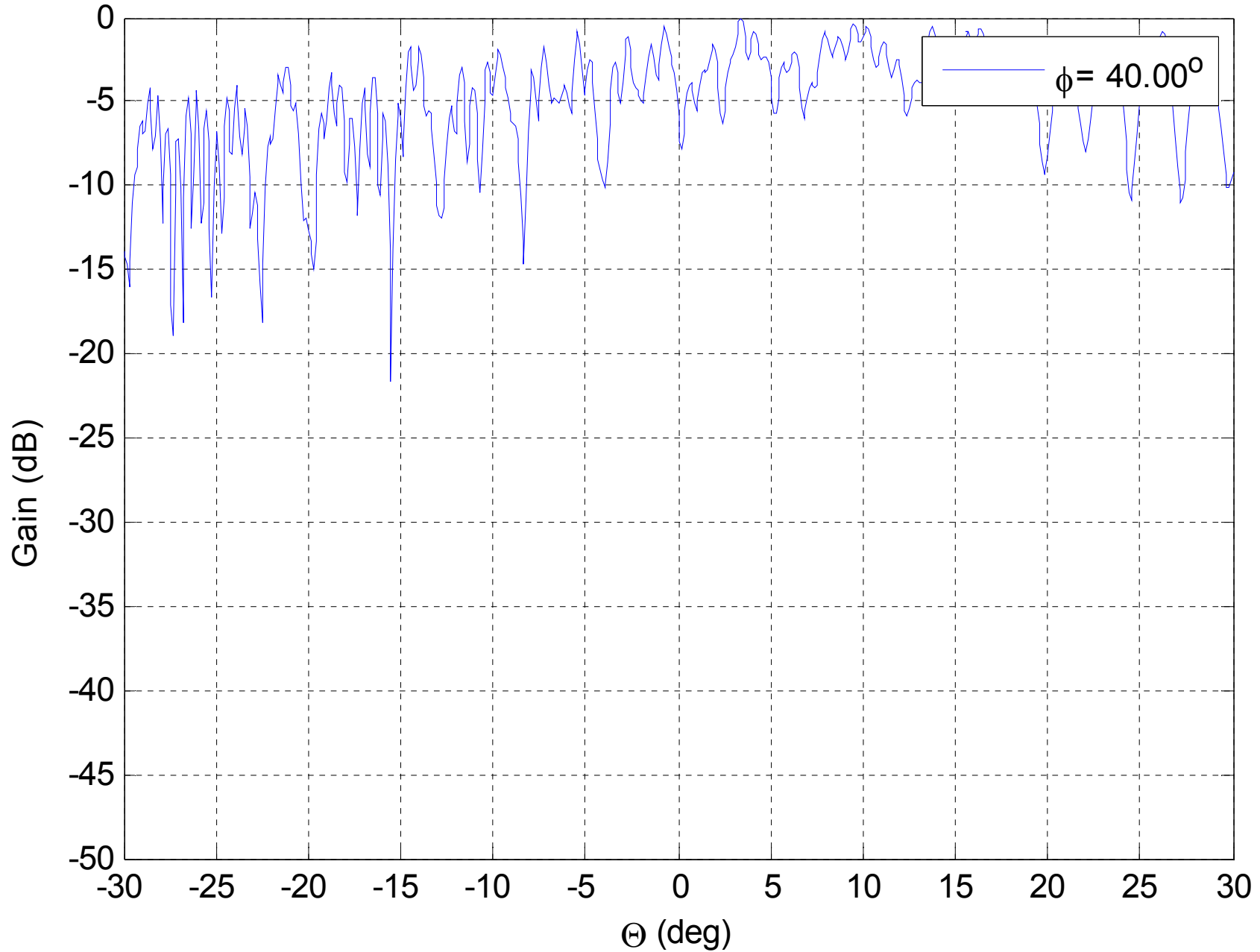
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-30.cut, Peak: -25.18 dB, Date: 2-Sep-2016



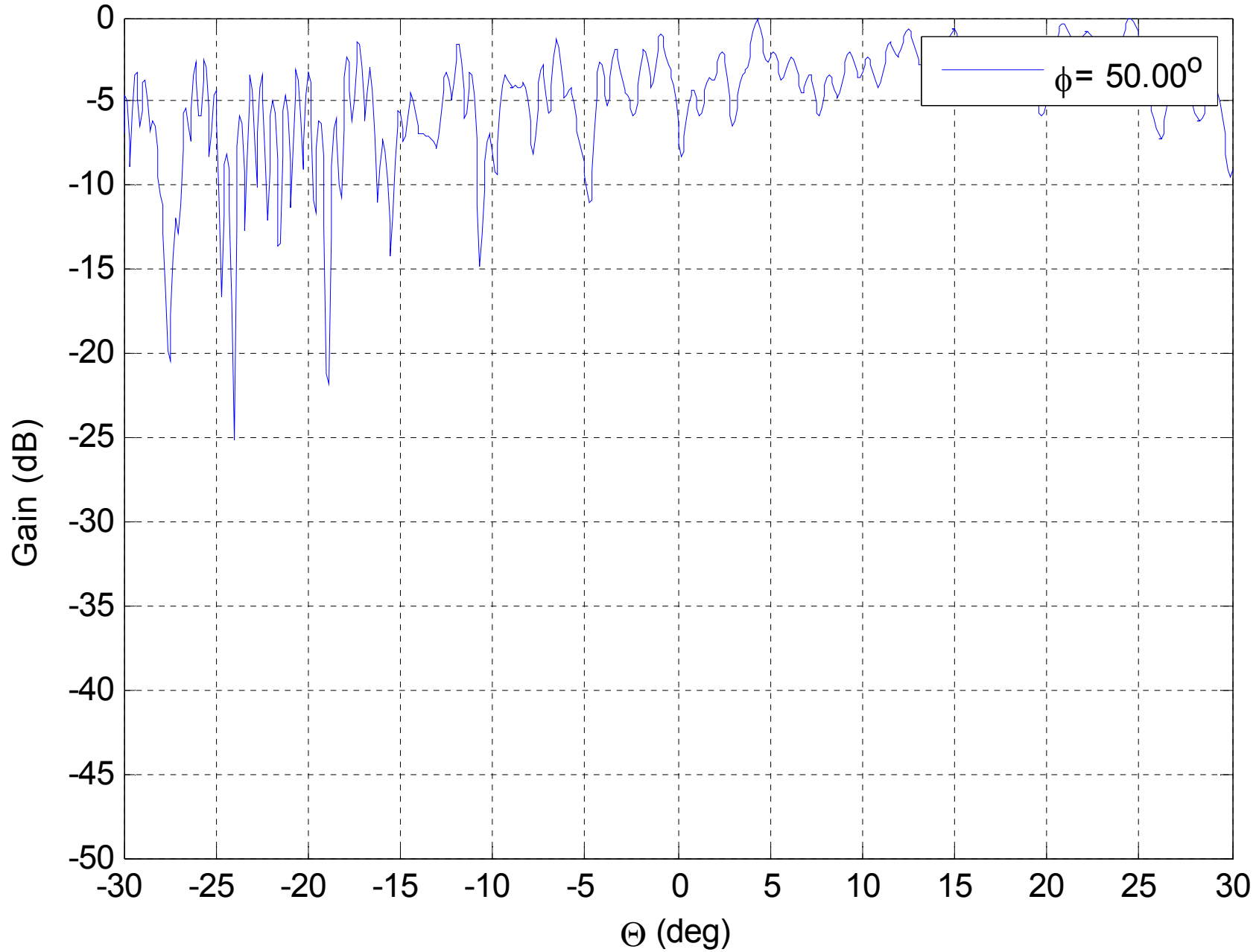
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-40.cut, Peak: -25.82 dB, Date: 2-Sep-2016



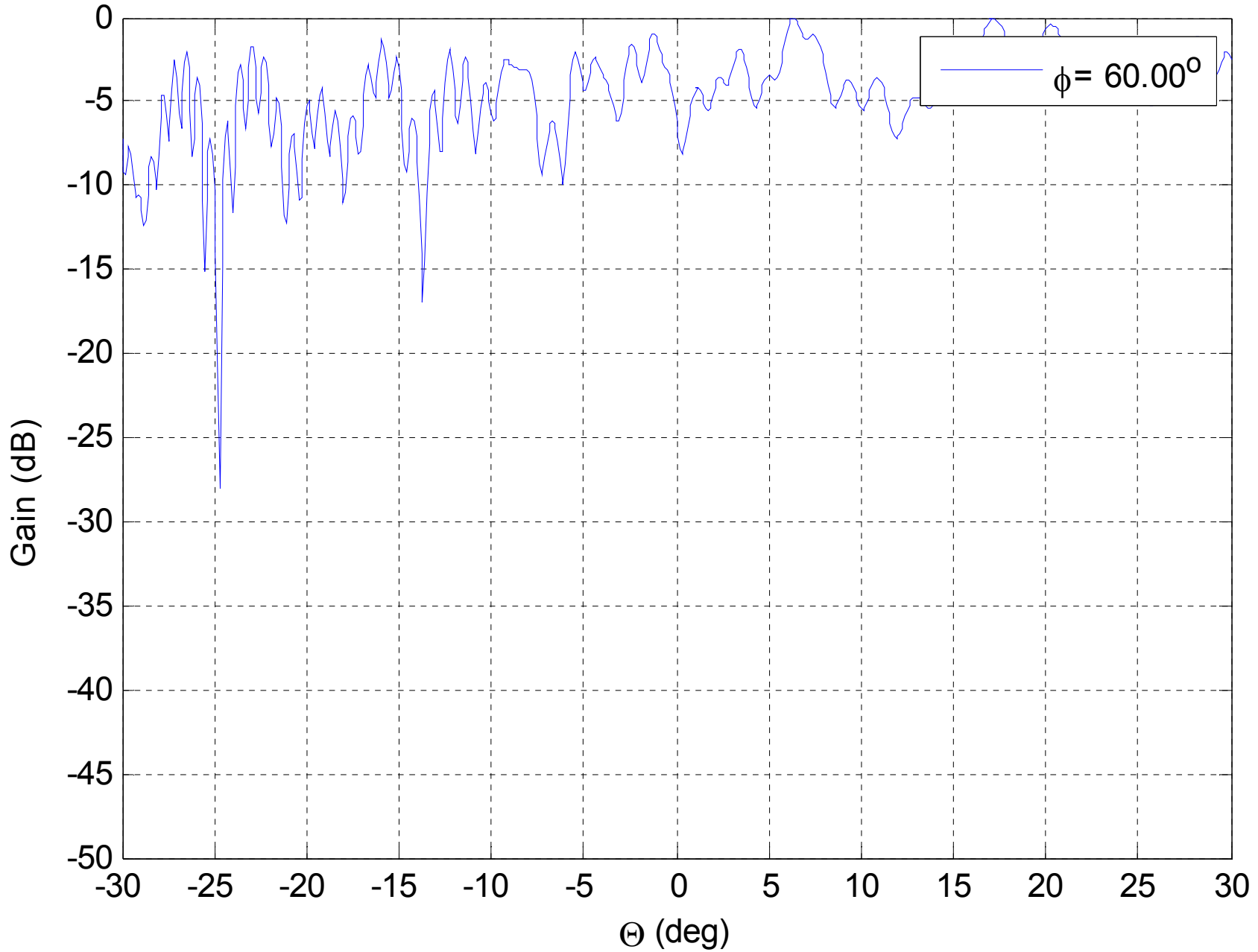
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-50.cut, Peak: -25.38 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

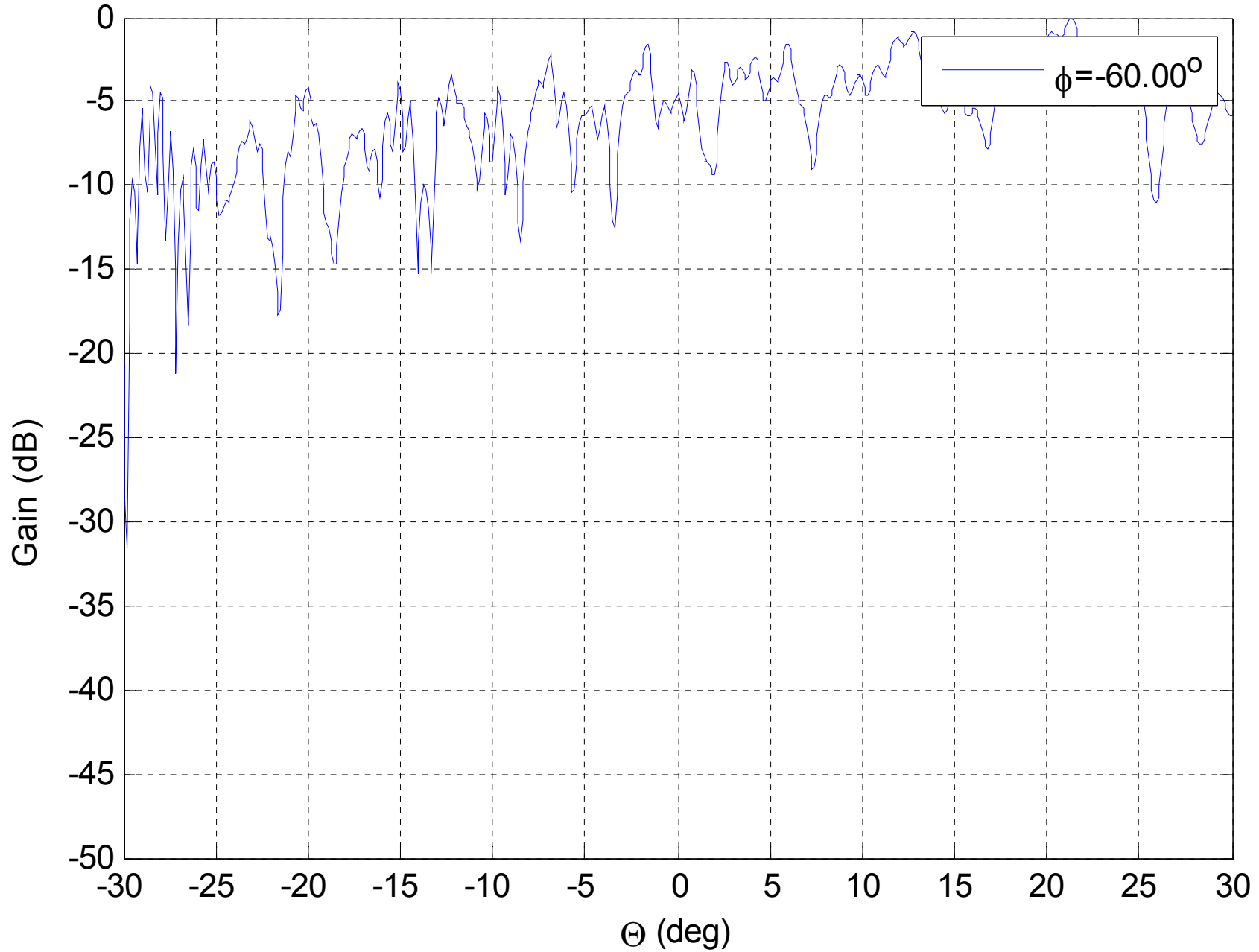
Input file: tx-17.5-lhcp-60.cut, Peak: -25.50 dB, Date: 2-Sep-2016



# RHCP at 17.7 GHz

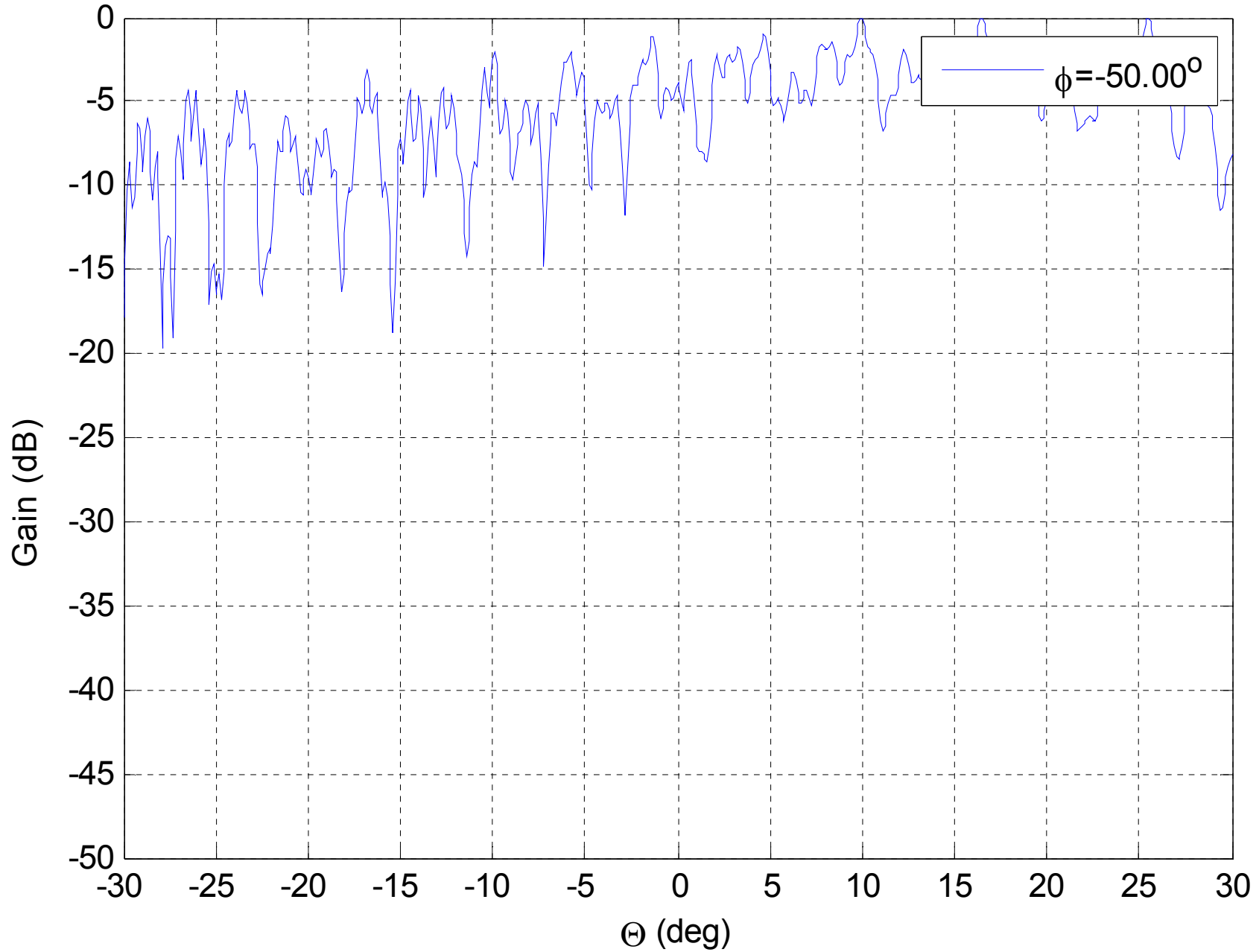
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-60.cut, Peak: -24.66 dB, Date: 2-Sep-2016



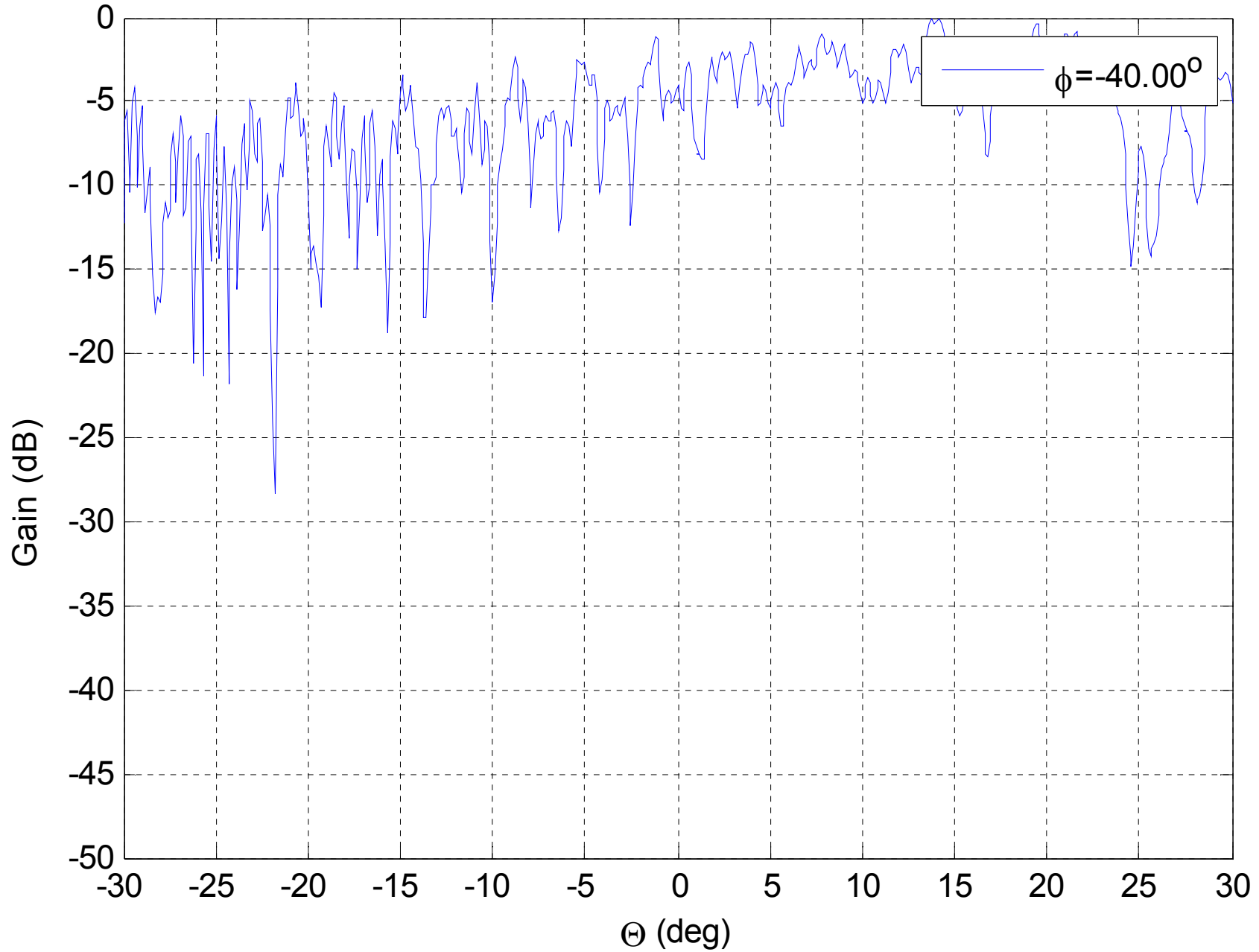
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--50.cut, Peak: -25.29 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

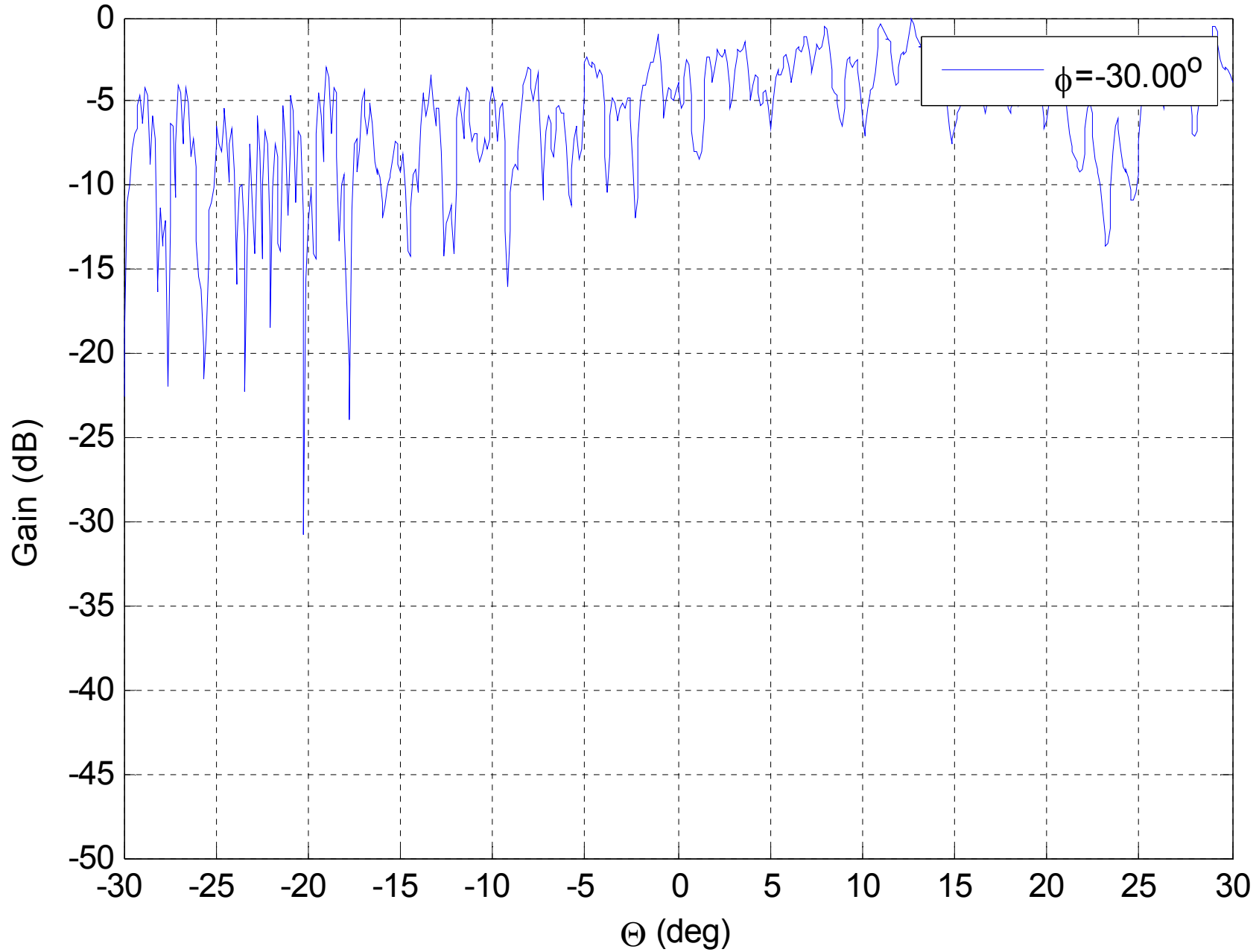
Input file: tx-17.7-rhcp-40.cut, Peak: -25.19 dB, Date: 2-Sep-2016





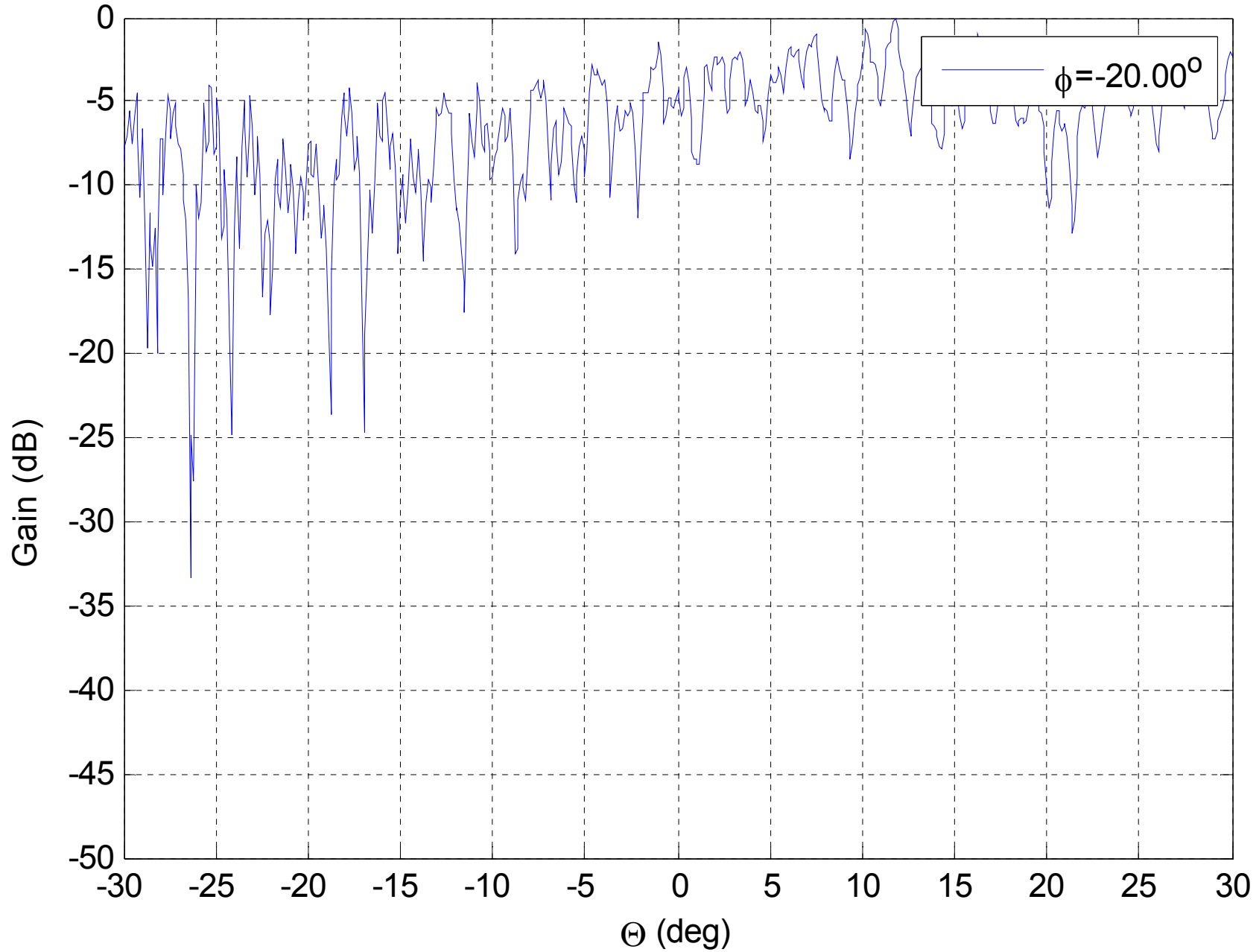
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--30.cut, Peak: -25.33 dB, Date: 2-Sep-2016



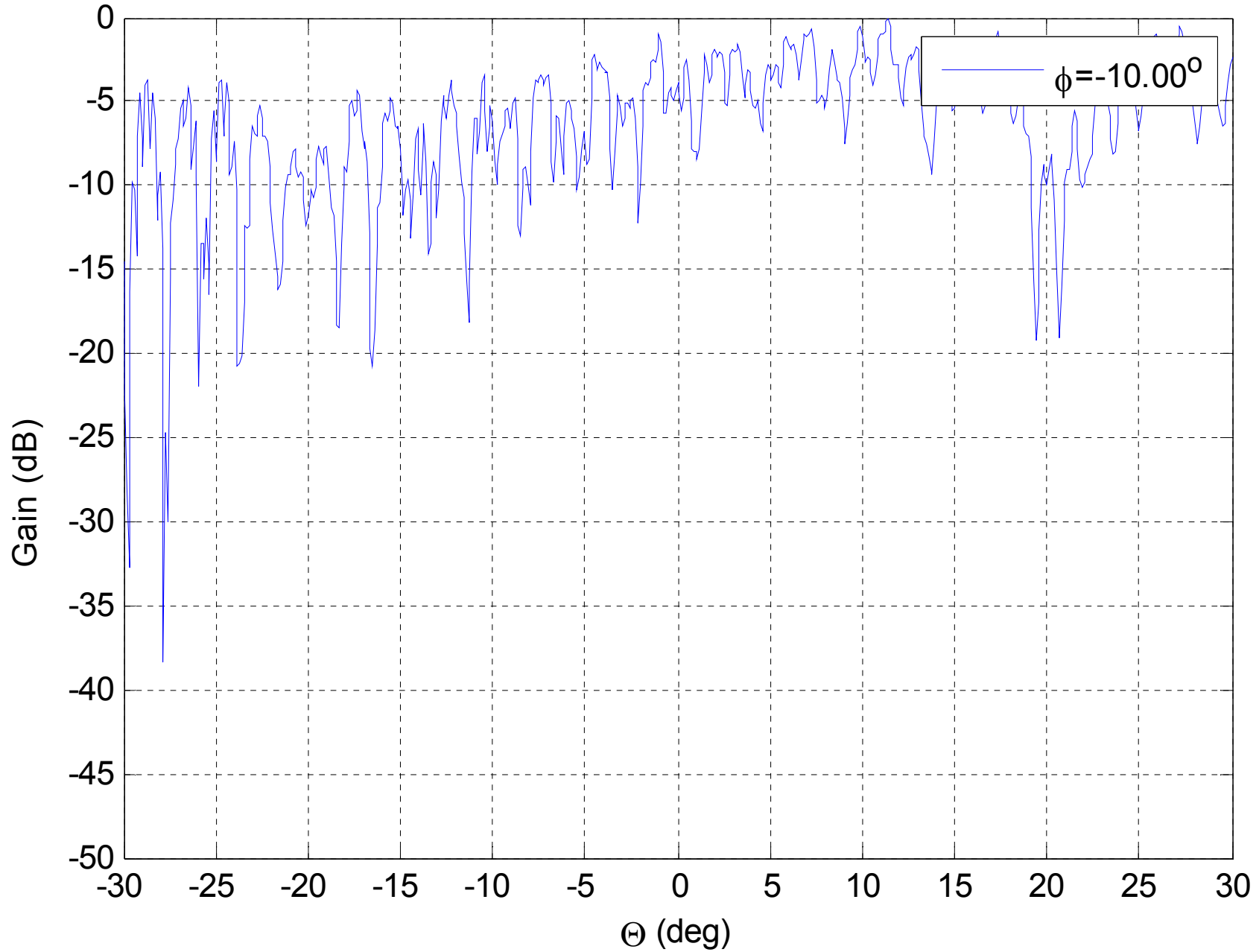
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--20.cut, Peak: -24.86 dB, Date: 2-Sep-2016



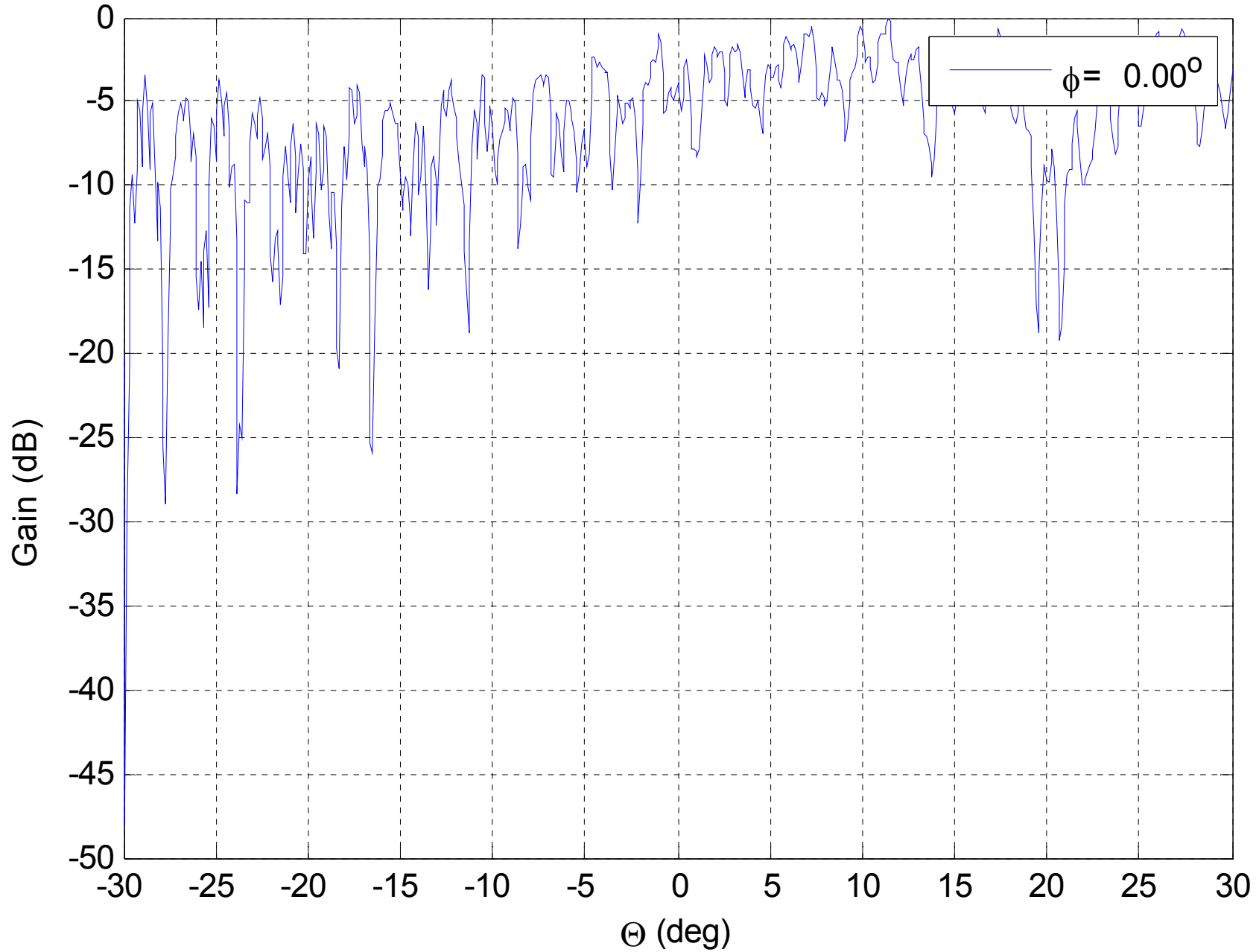
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp--10.cut, Peak: -25.31 dB, Date: 2-Sep-2016



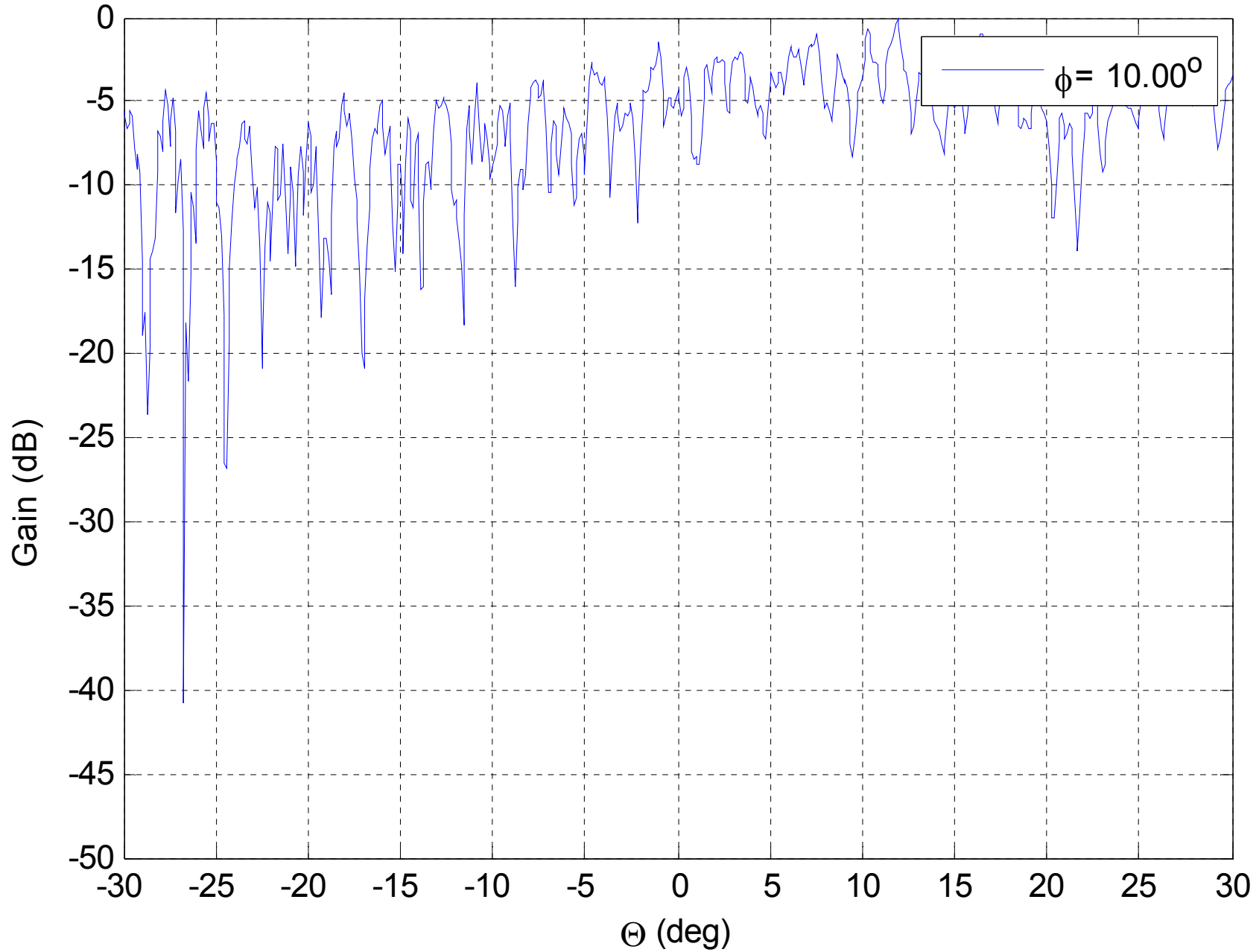
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-0.cut, Peak: -25.34 dB, Date: 2-Sep-2016



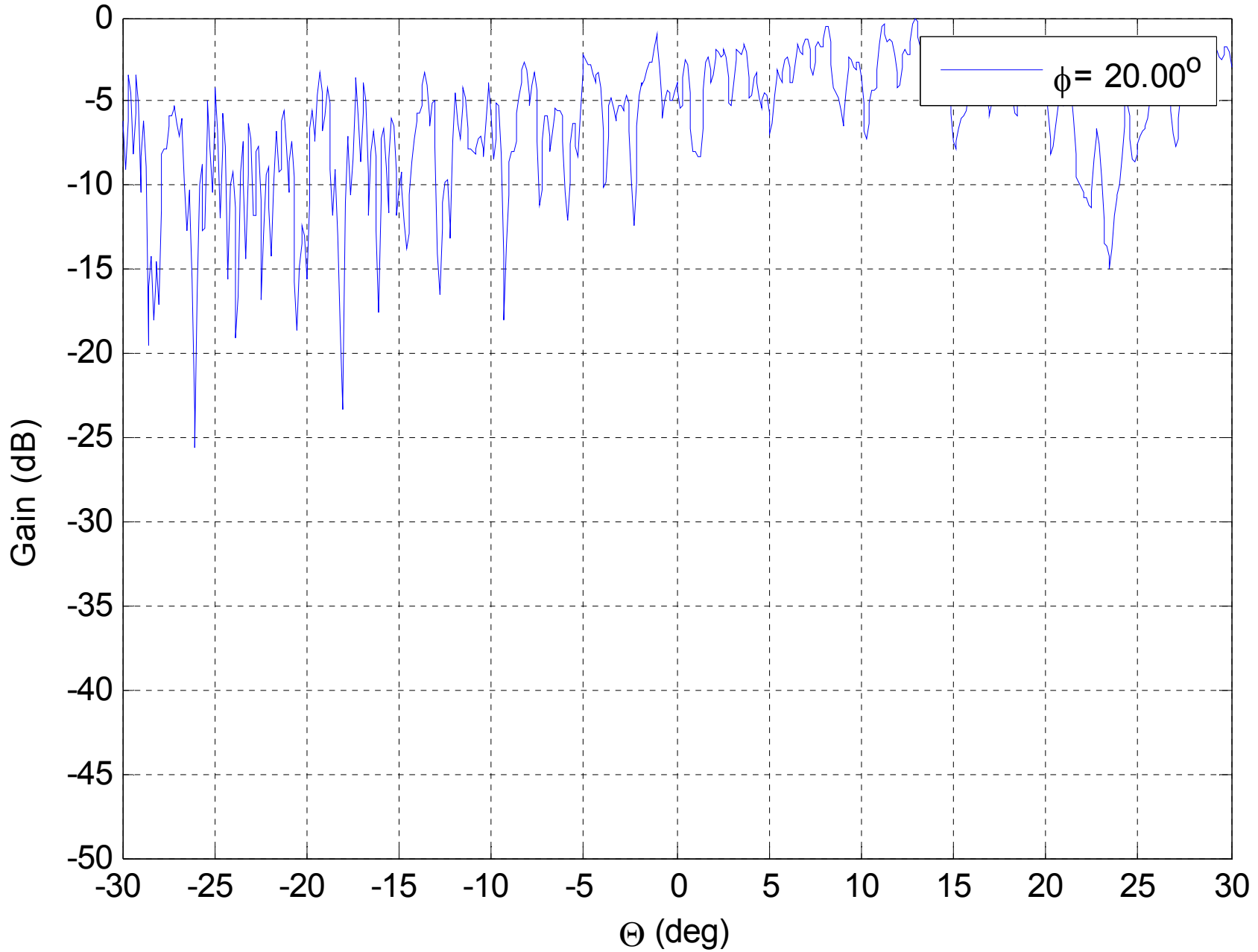
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-10.cut, Peak: -24.86 dB, Date: 2-Sep-2016



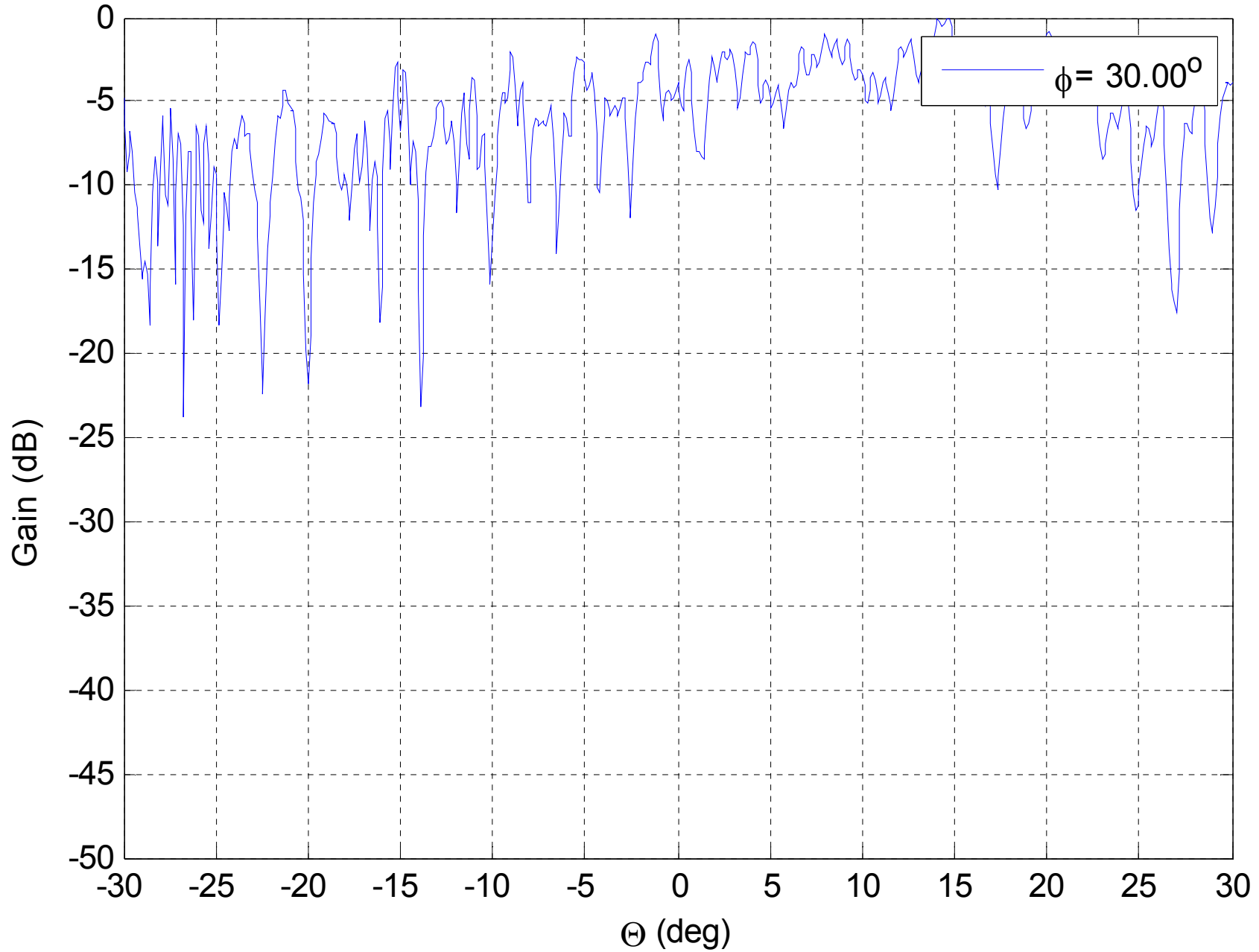
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-20.cut, Peak: -25.28 dB, Date: 2-Sep-2016



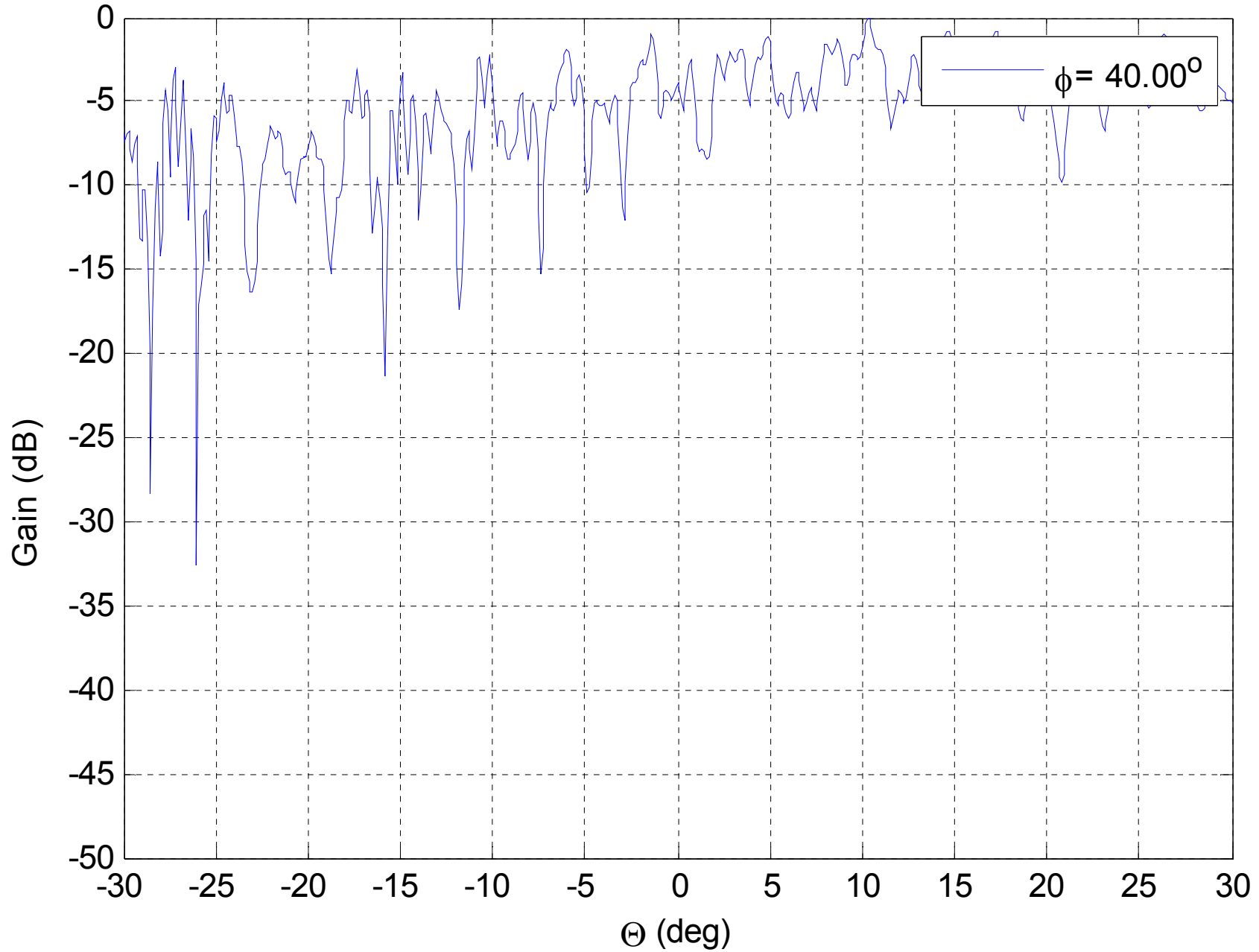
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-30.cut, Peak: -25.26 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

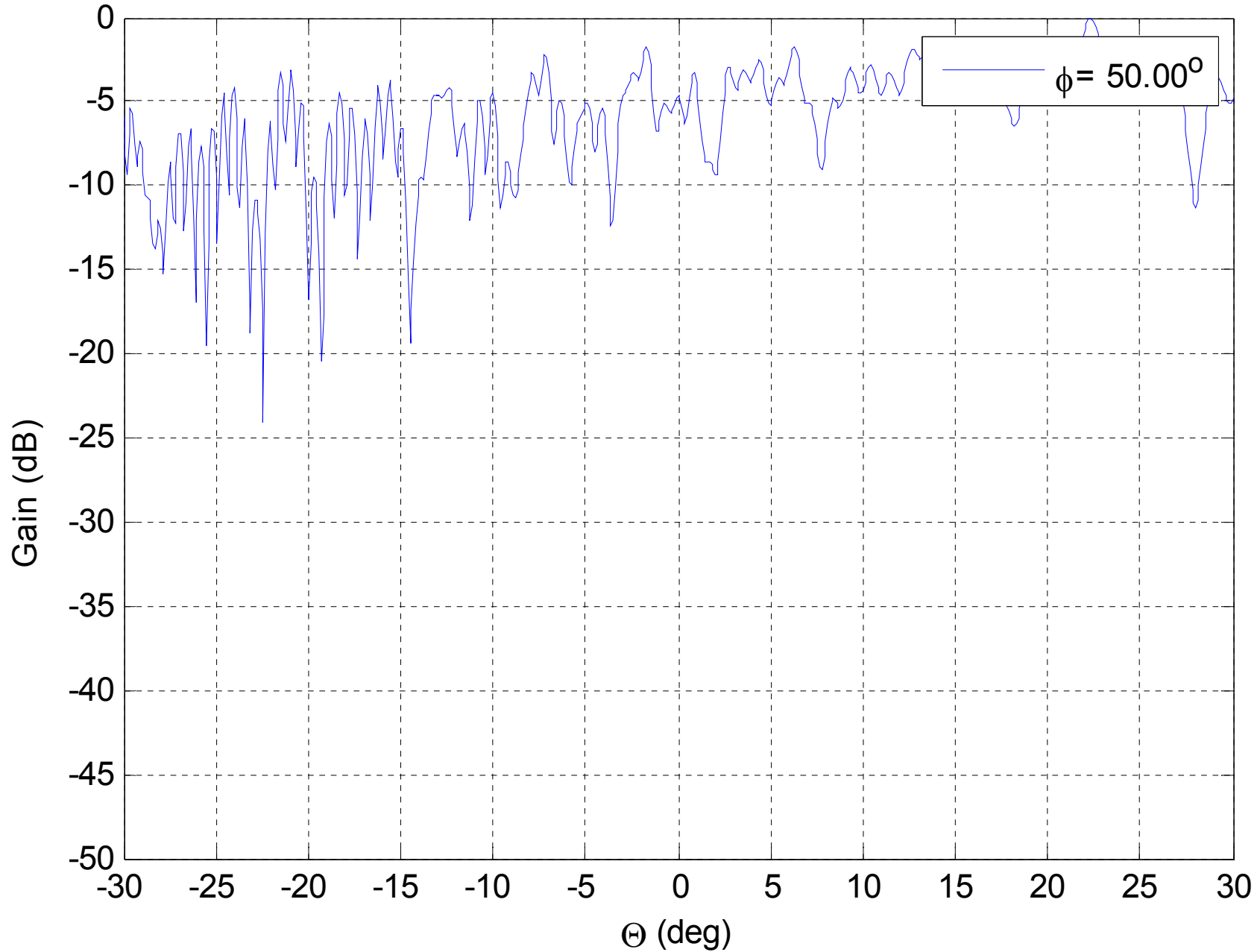
Input file: tx-17.7-rhcp-40.cut, Peak: -25.28 dB, Date: 2-Sep-2016





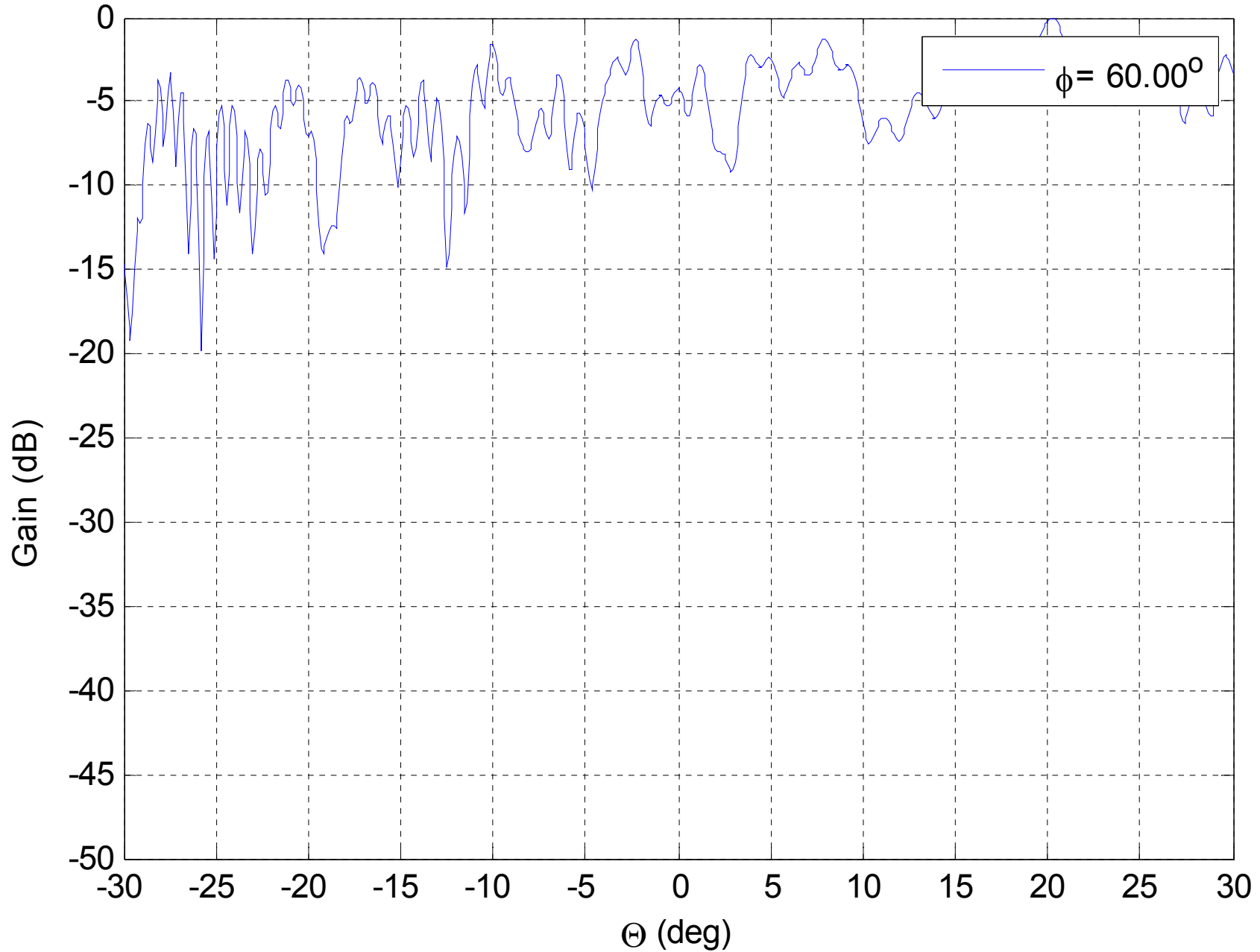
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-50.cut, Peak: -24.52 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

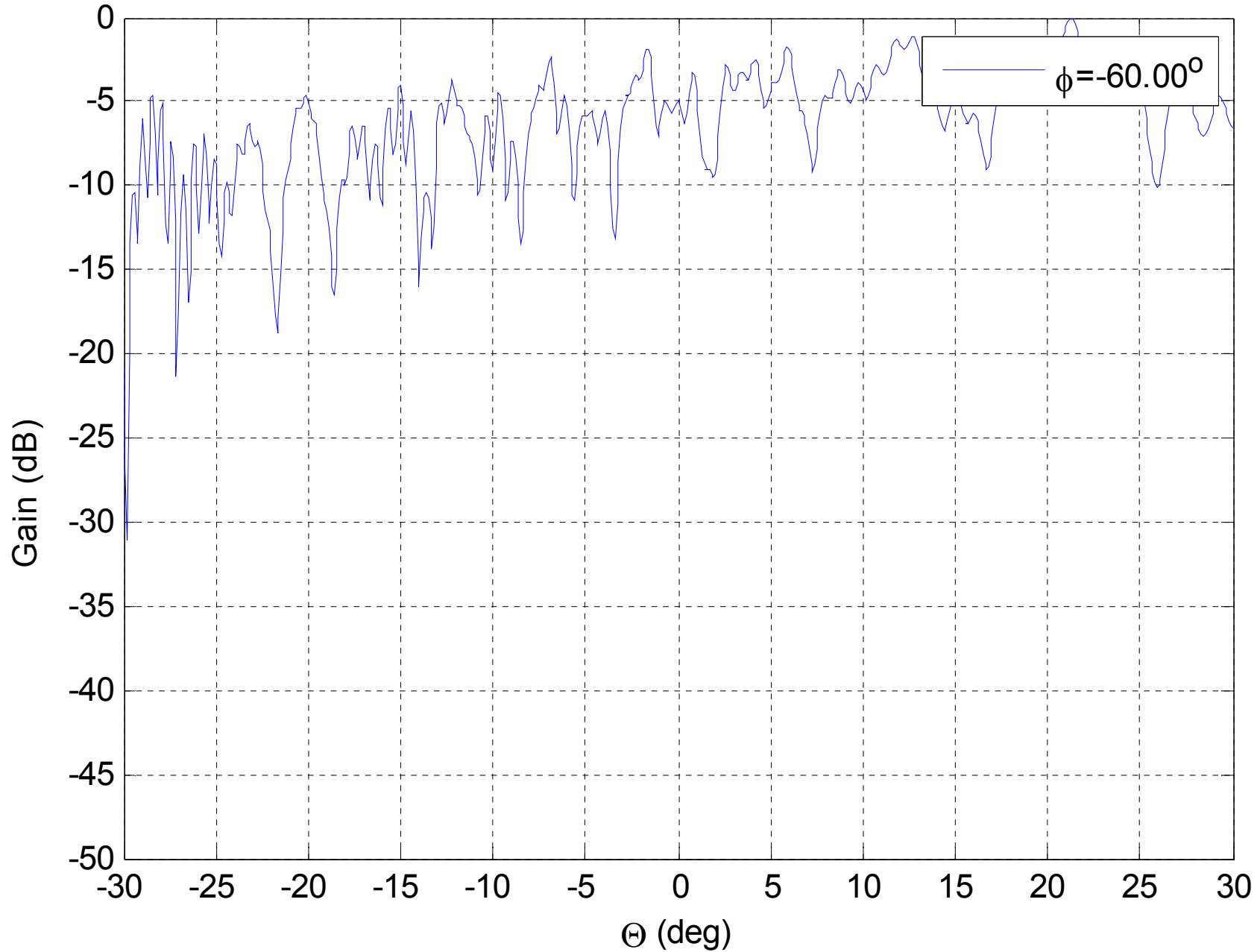
Input file: tx-17.7-rhcp-60.cut, Peak: -25.01 dB, Date: 2-Sep-2016



# LHCP at 17.7 GHz

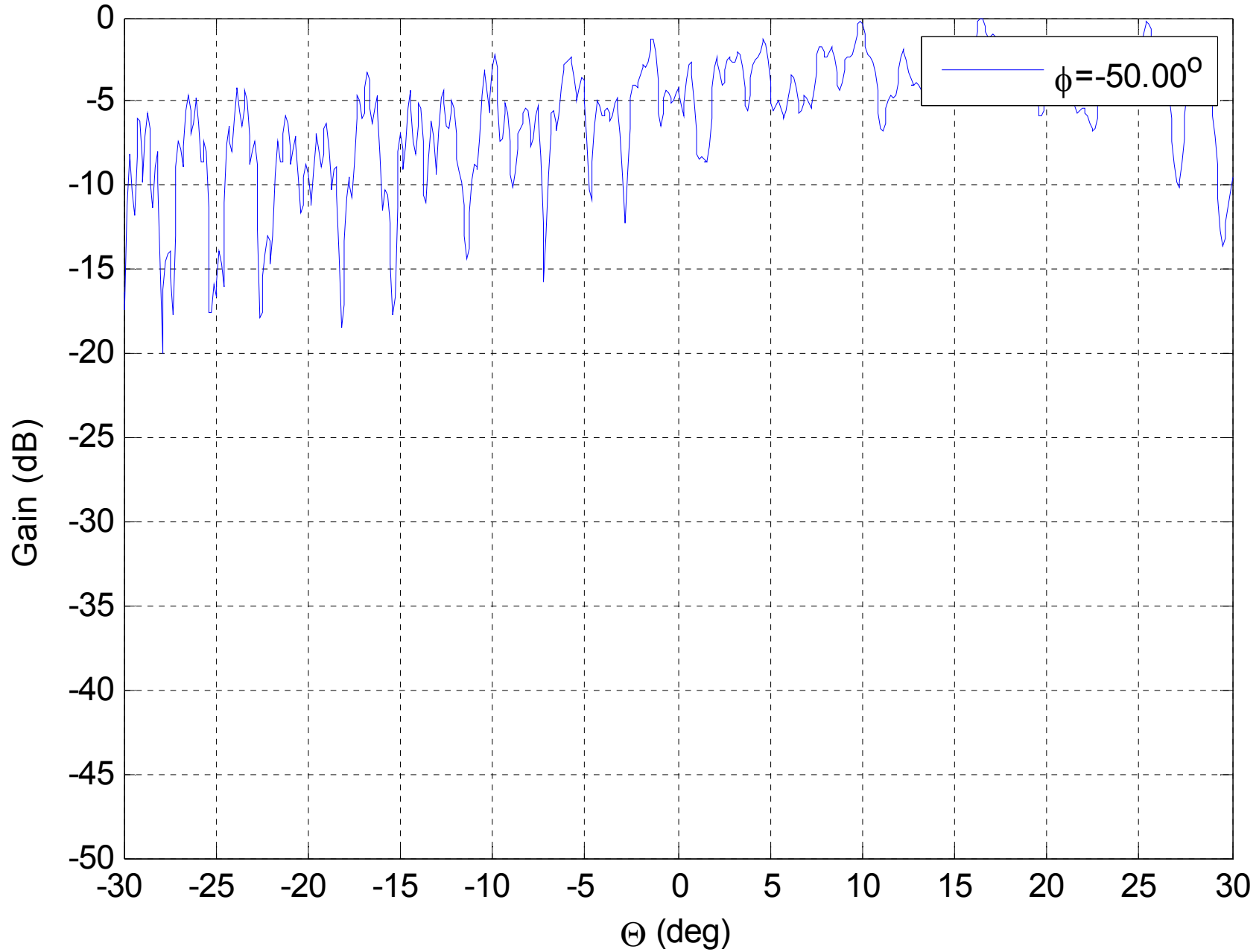
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-60.cut, Peak: -24.43 dB, Date: 2-Sep-2016



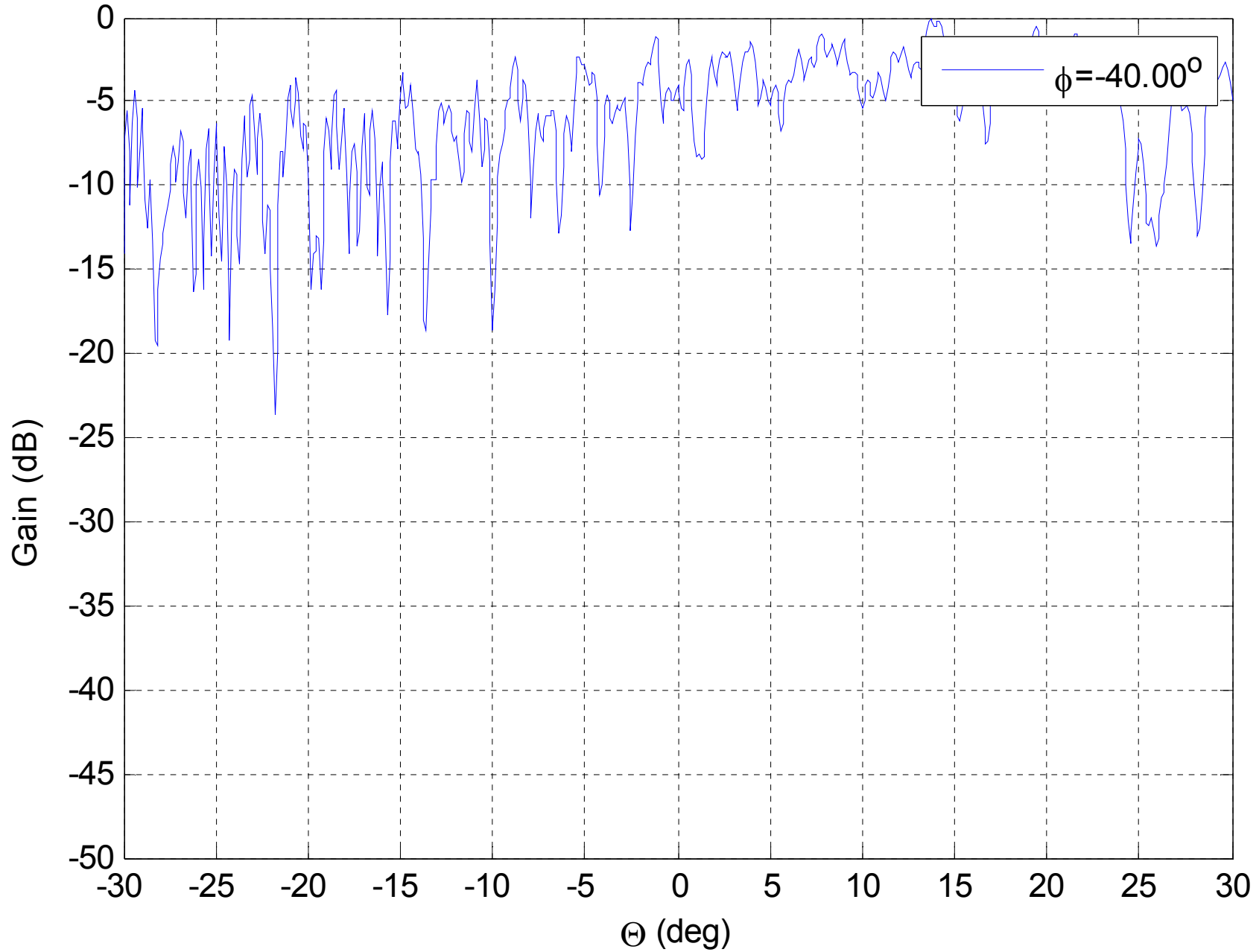
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-50.cut, Peak: -25.07 dB, Date: 2-Sep-2016



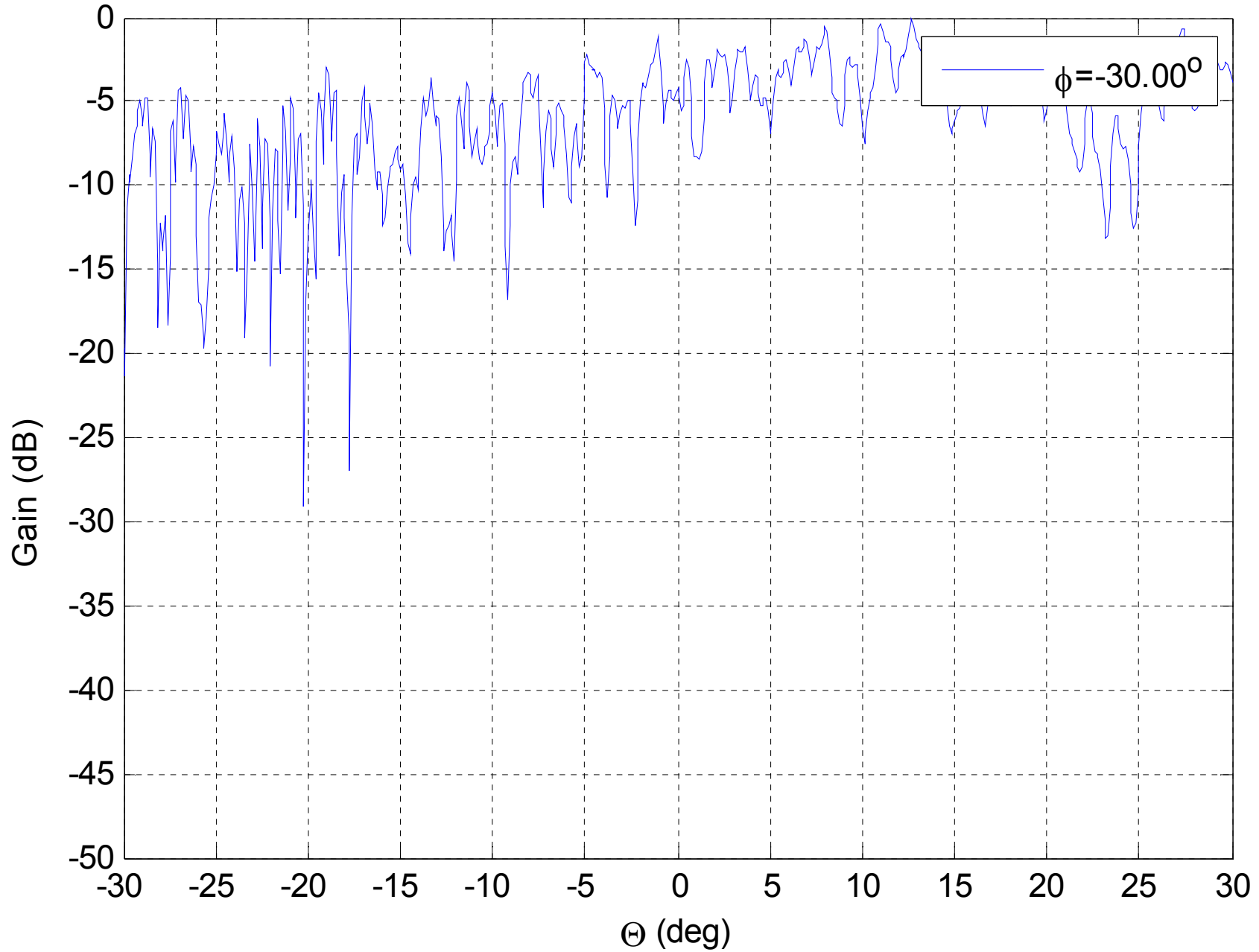
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-40.cut, Peak: -25.22 dB, Date: 2-Sep-2016



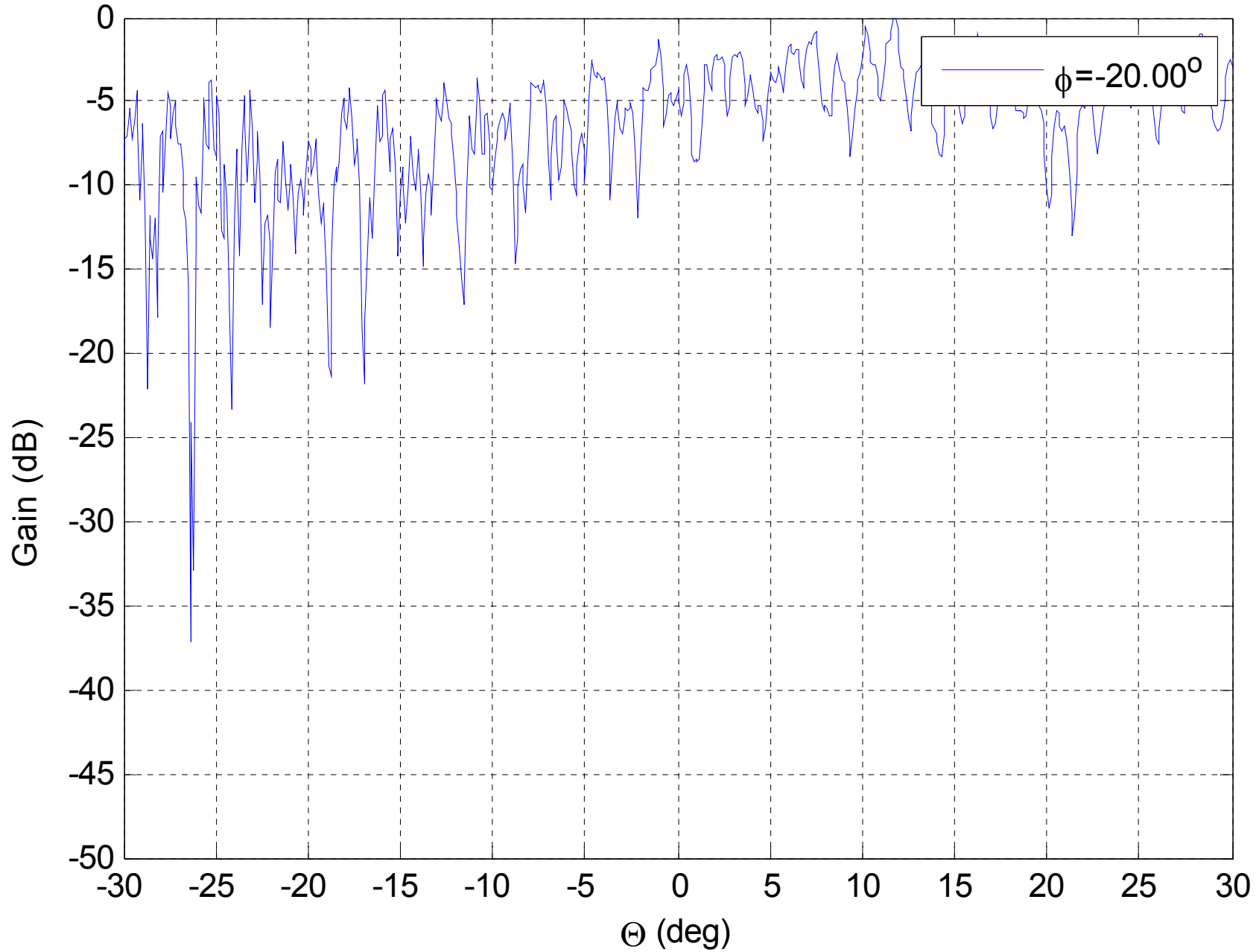
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-30.cut, Peak: -25.18 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

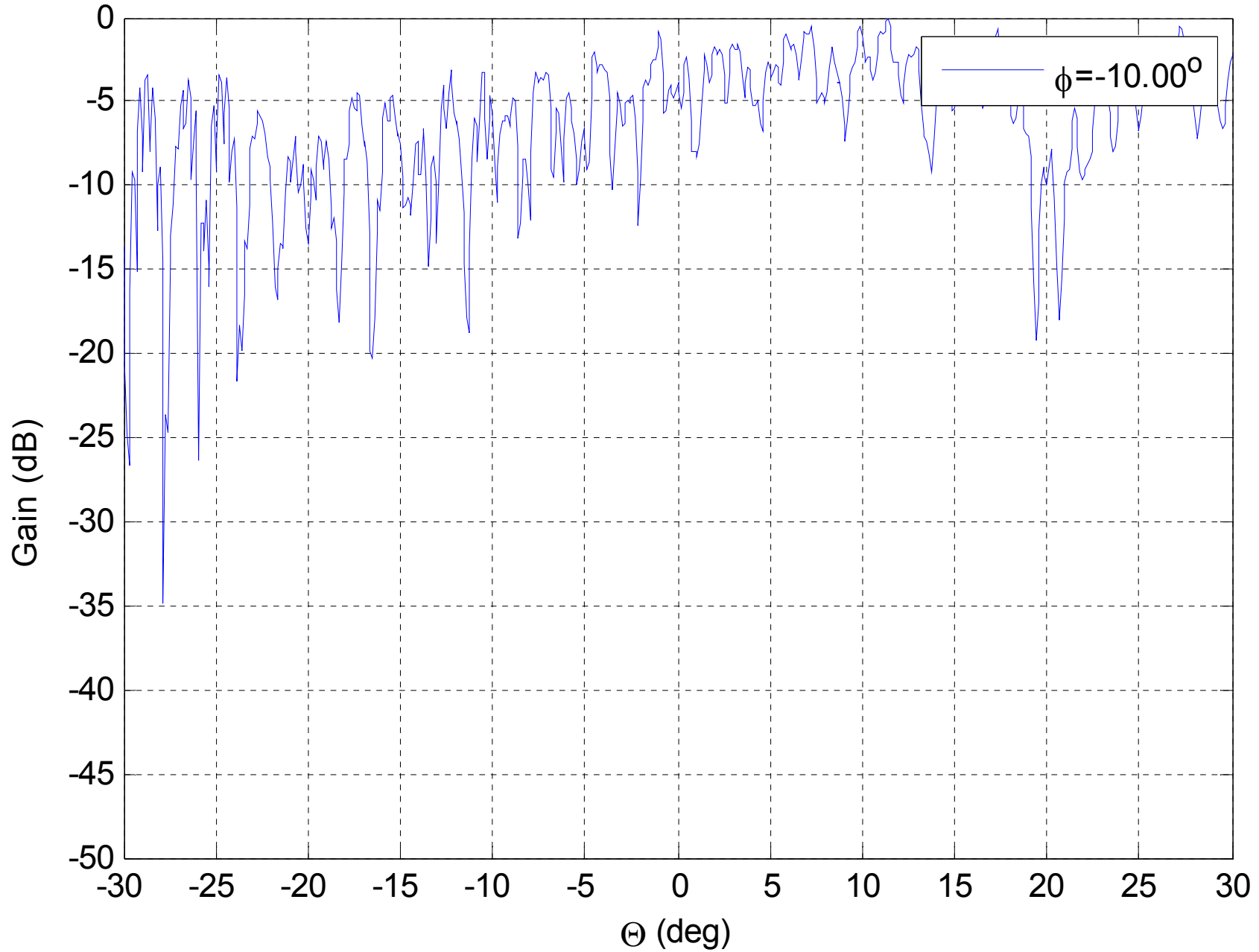
Input file: tx-17.7-lhcp-20.cut, Peak: -24.95 dB, Date: 2-Sep-2016





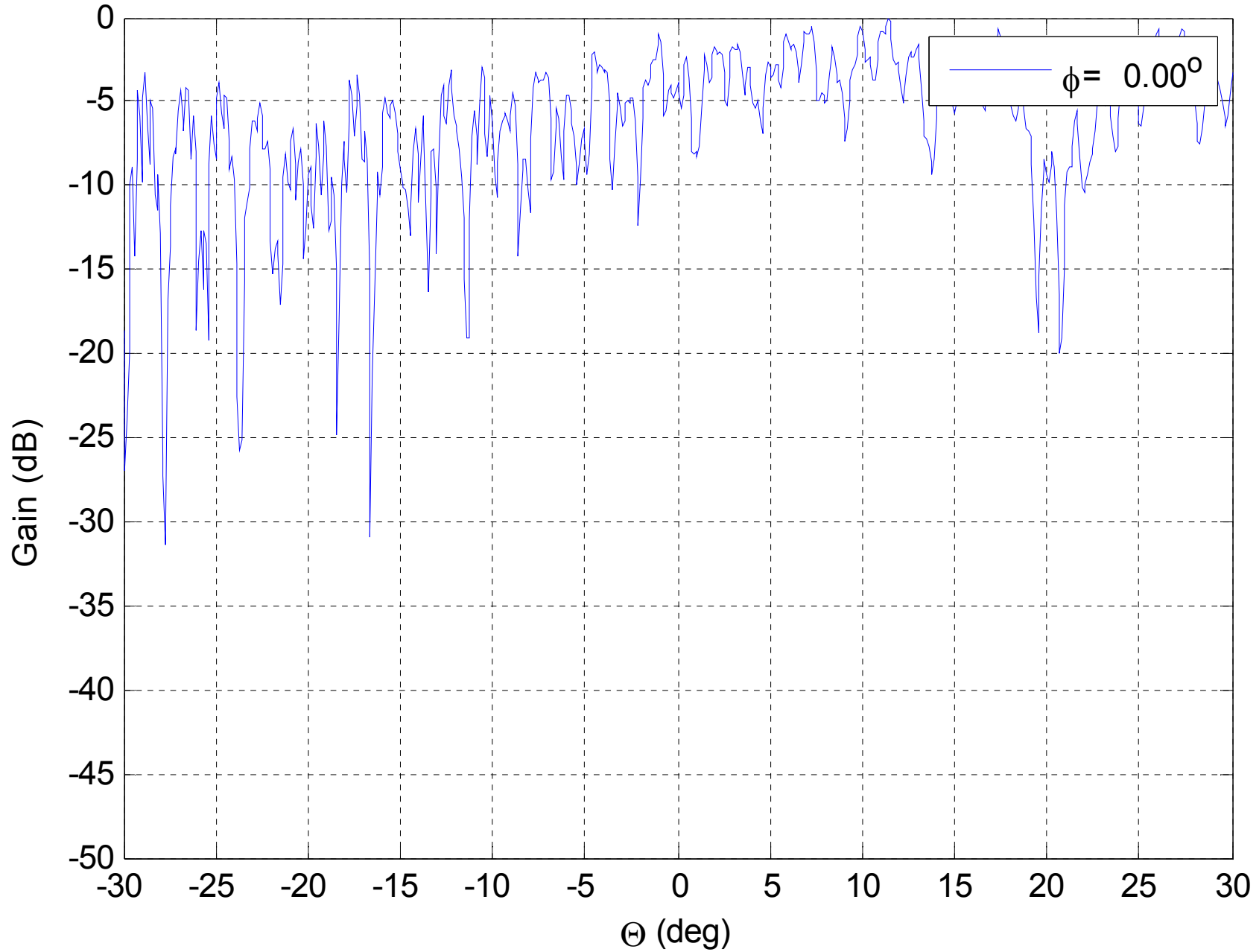
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-10.cut, Peak: -25.39 dB, Date: 2-Sep-2016



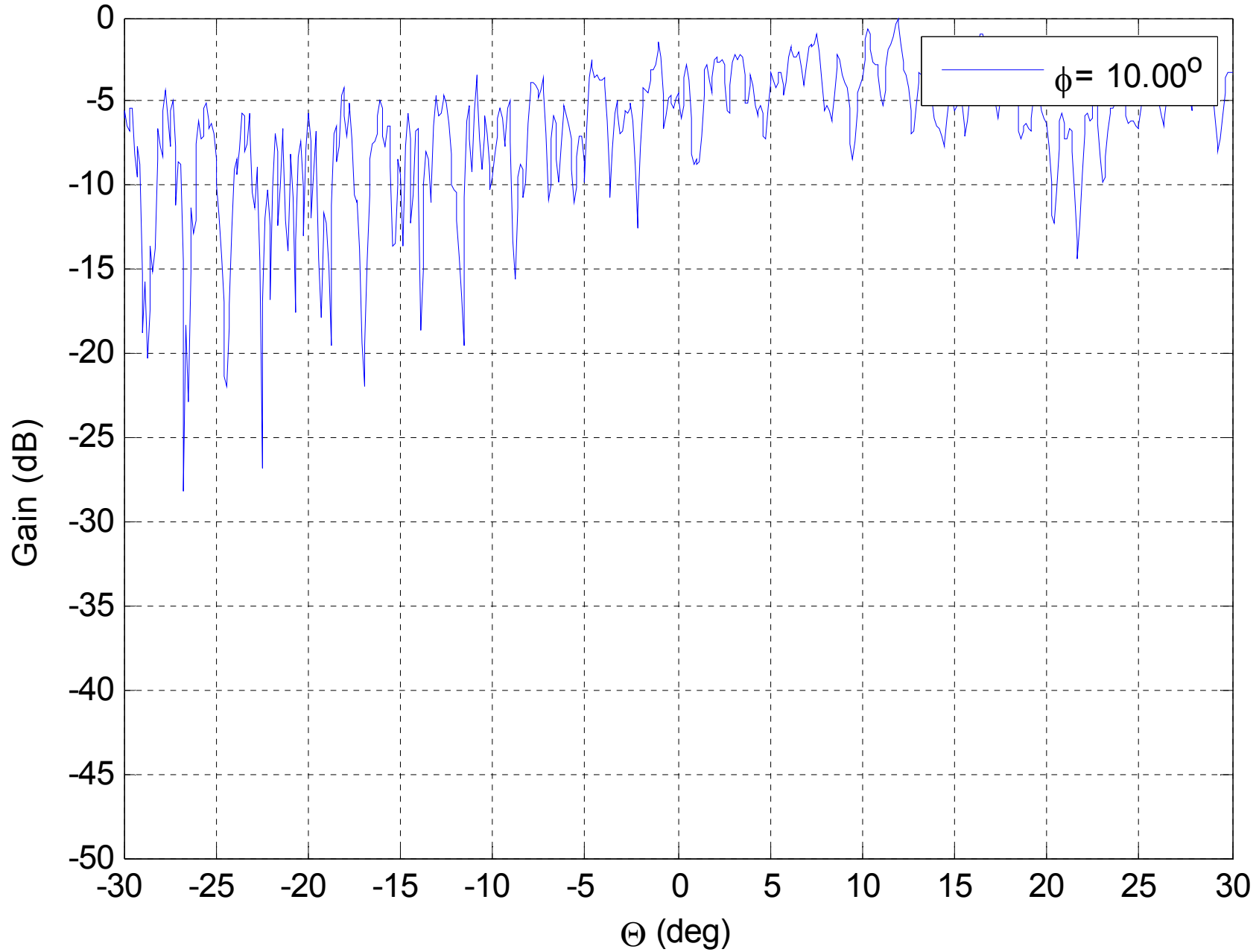
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-0.cut, Peak: -25.37 dB, Date: 2-Sep-2016



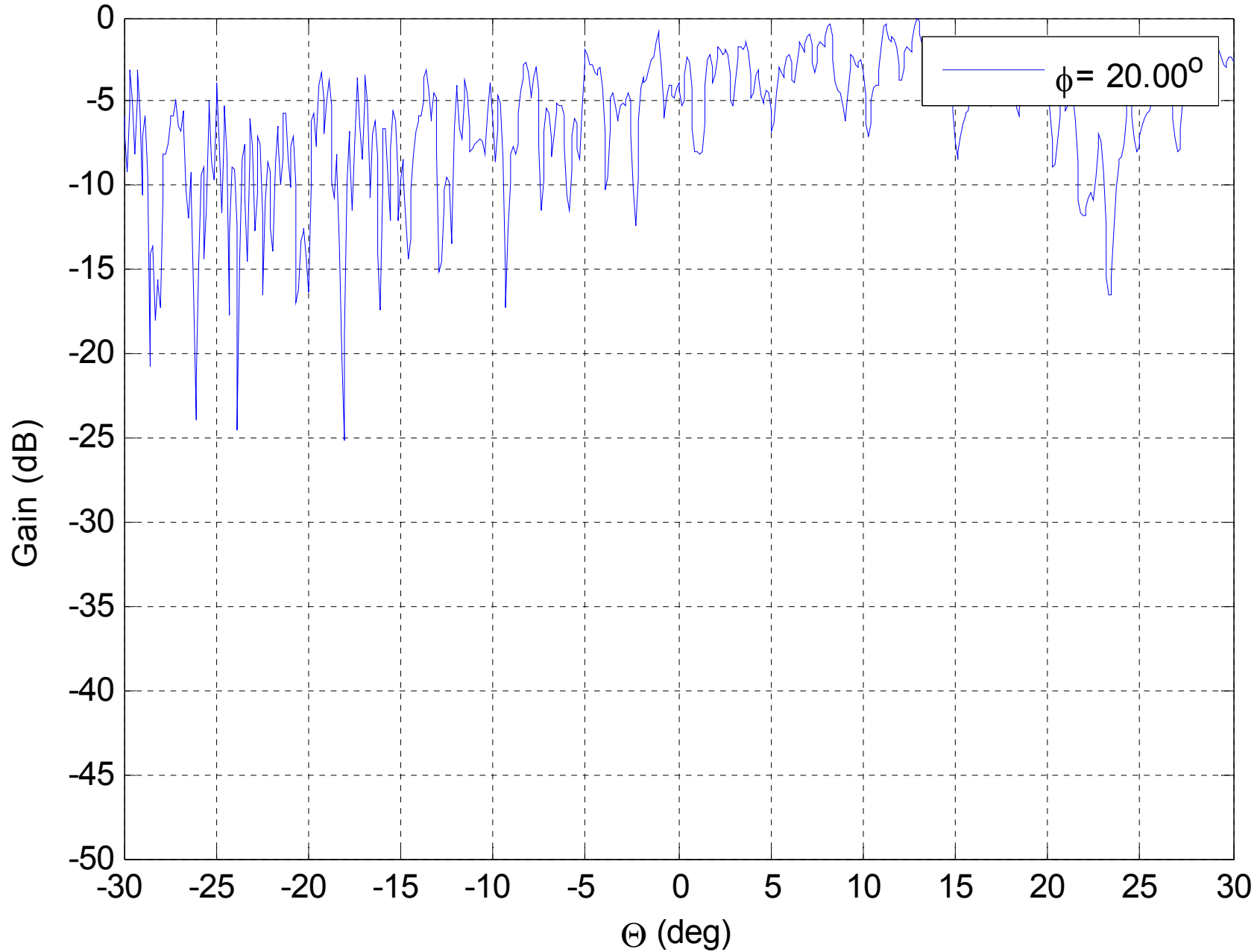
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-10.cut, Peak: -24.84 dB, Date: 2-Sep-2016



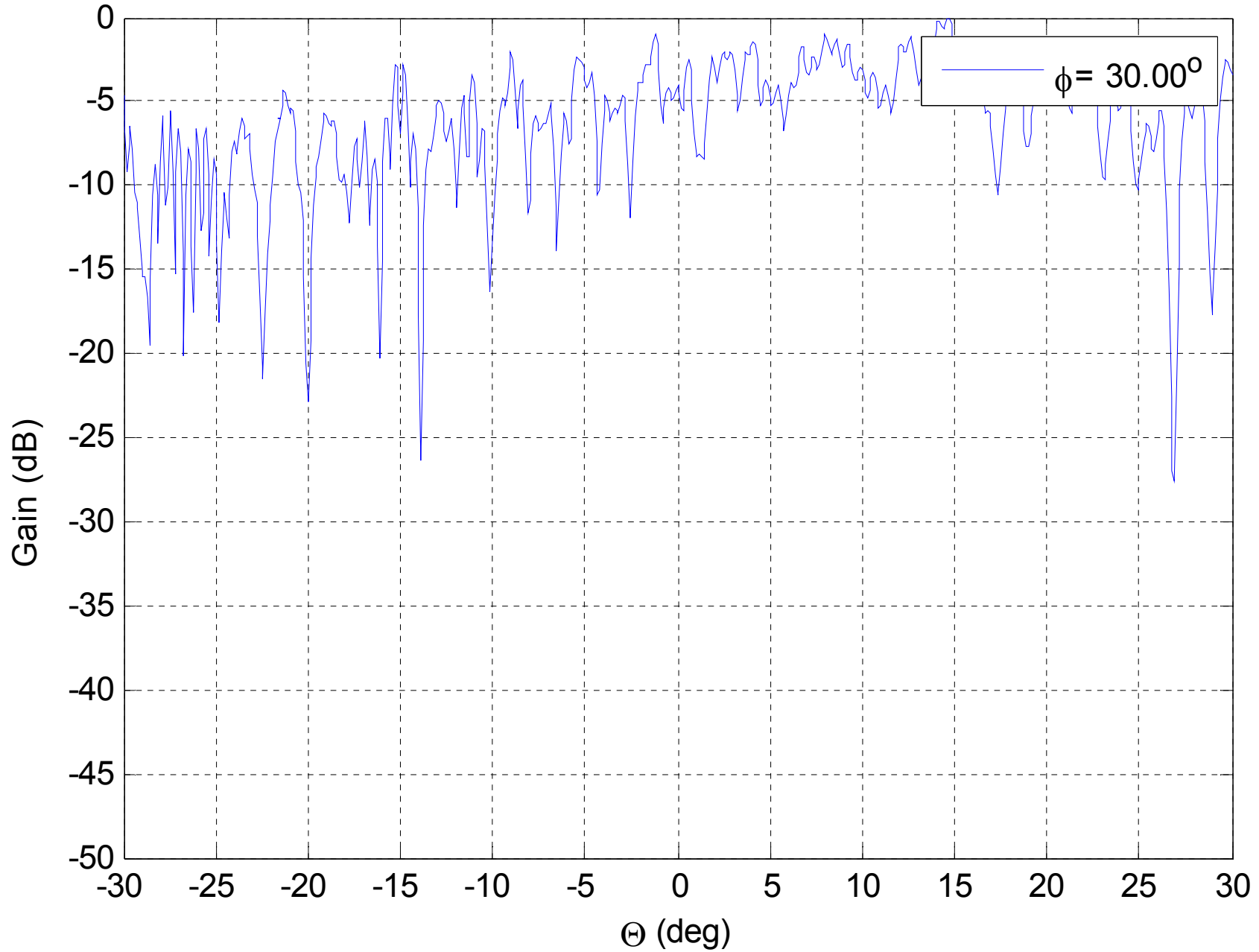
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-20.cut, Peak: -25.43 dB, Date: 2-Sep-2016



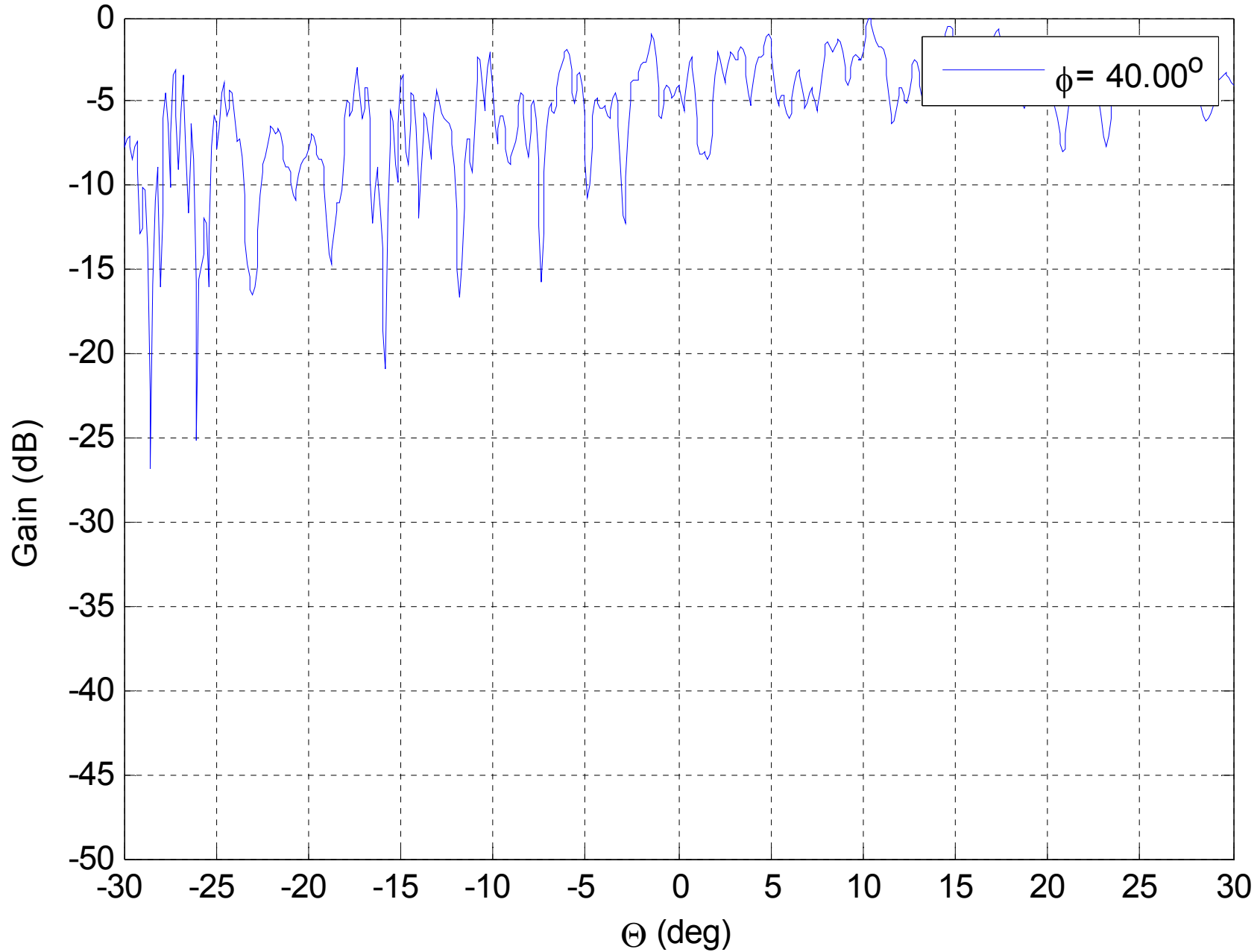
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-30.cut, Peak: -25.23 dB, Date: 2-Sep-2016



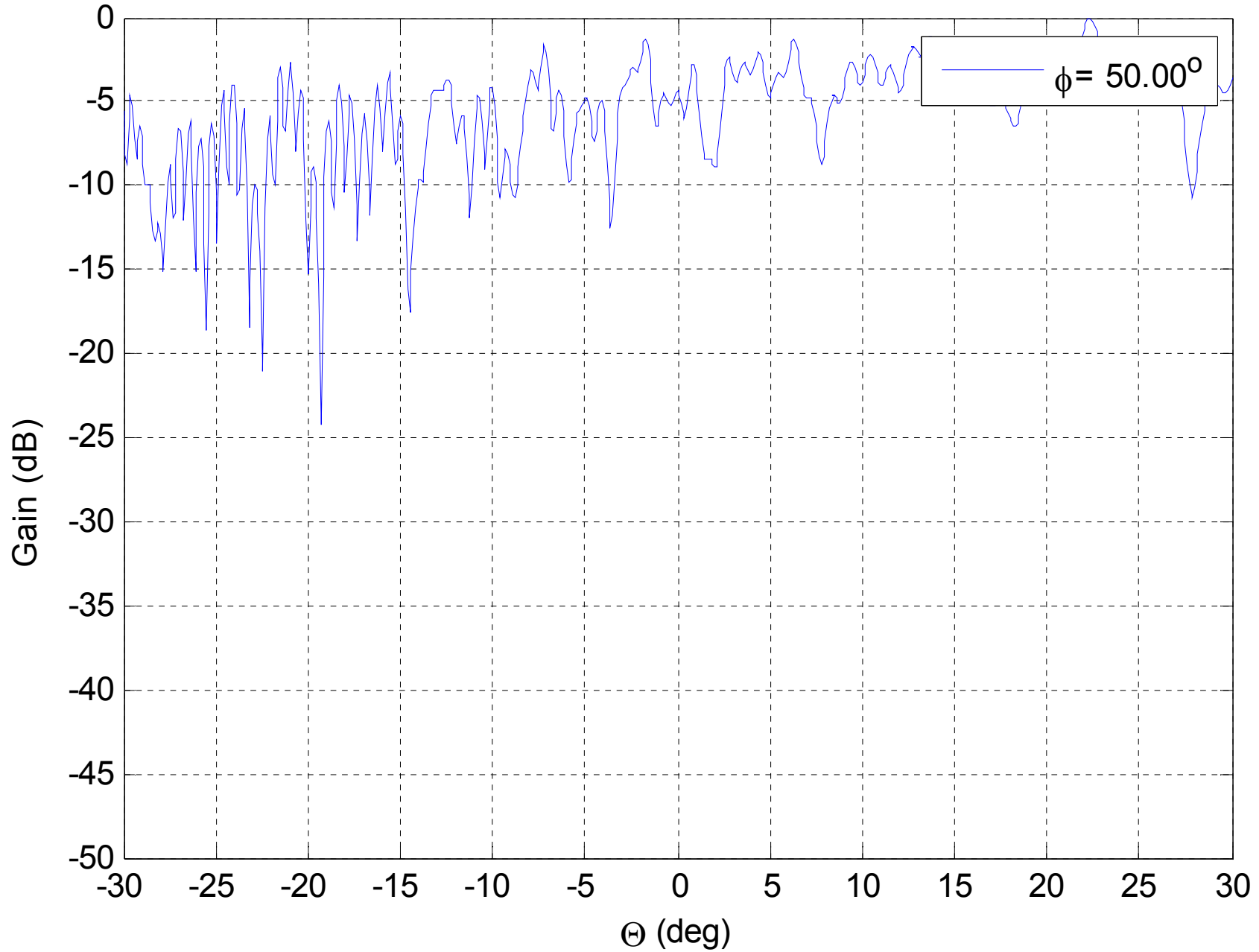
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-40.cut, Peak: -25.33 dB, Date: 2-Sep-2016



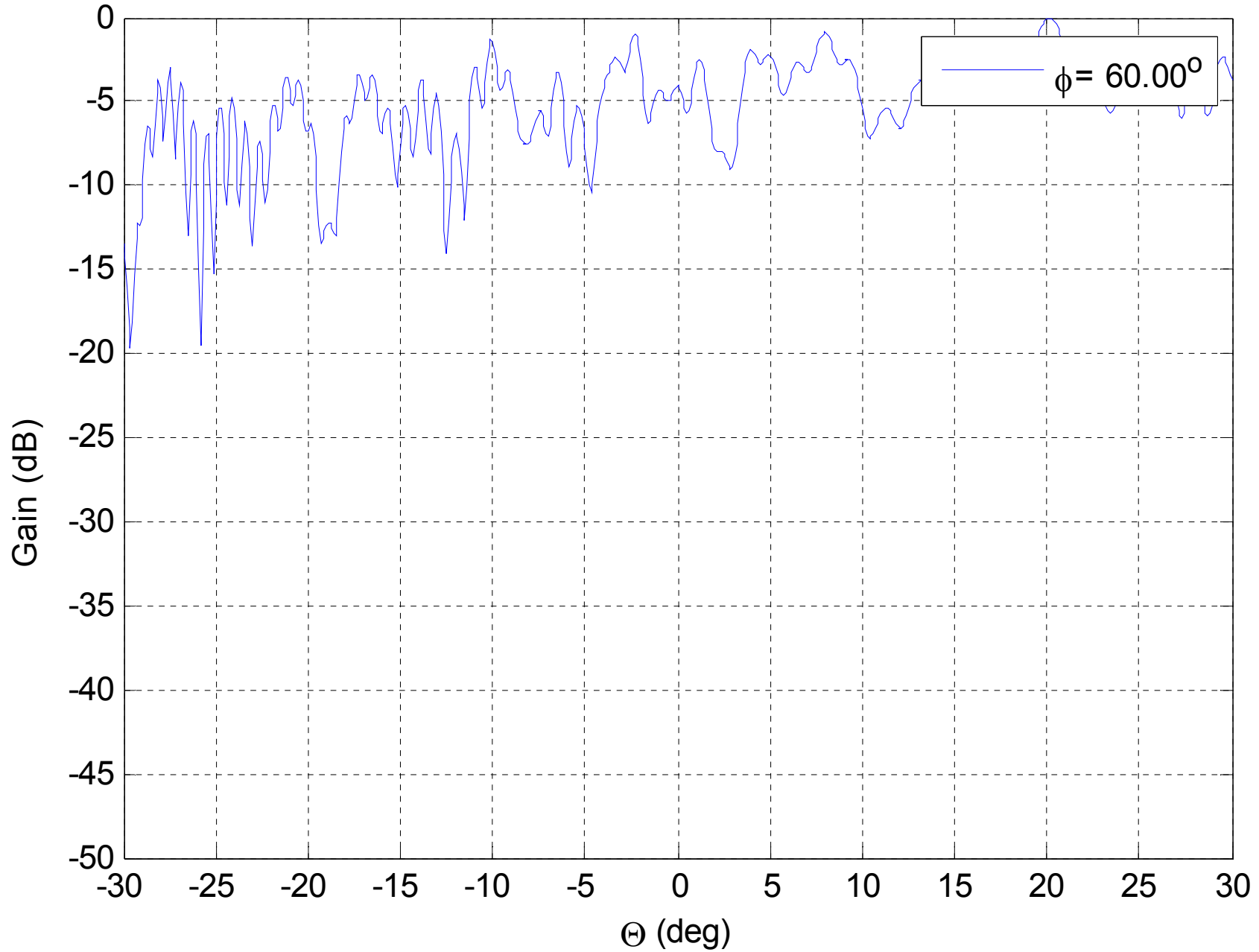
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-50.cut, Peak: -24.91 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-60.cut, Peak: -25.21 dB, Date: 2-Sep-2016





# CONUS Beam, +X Axis Plots

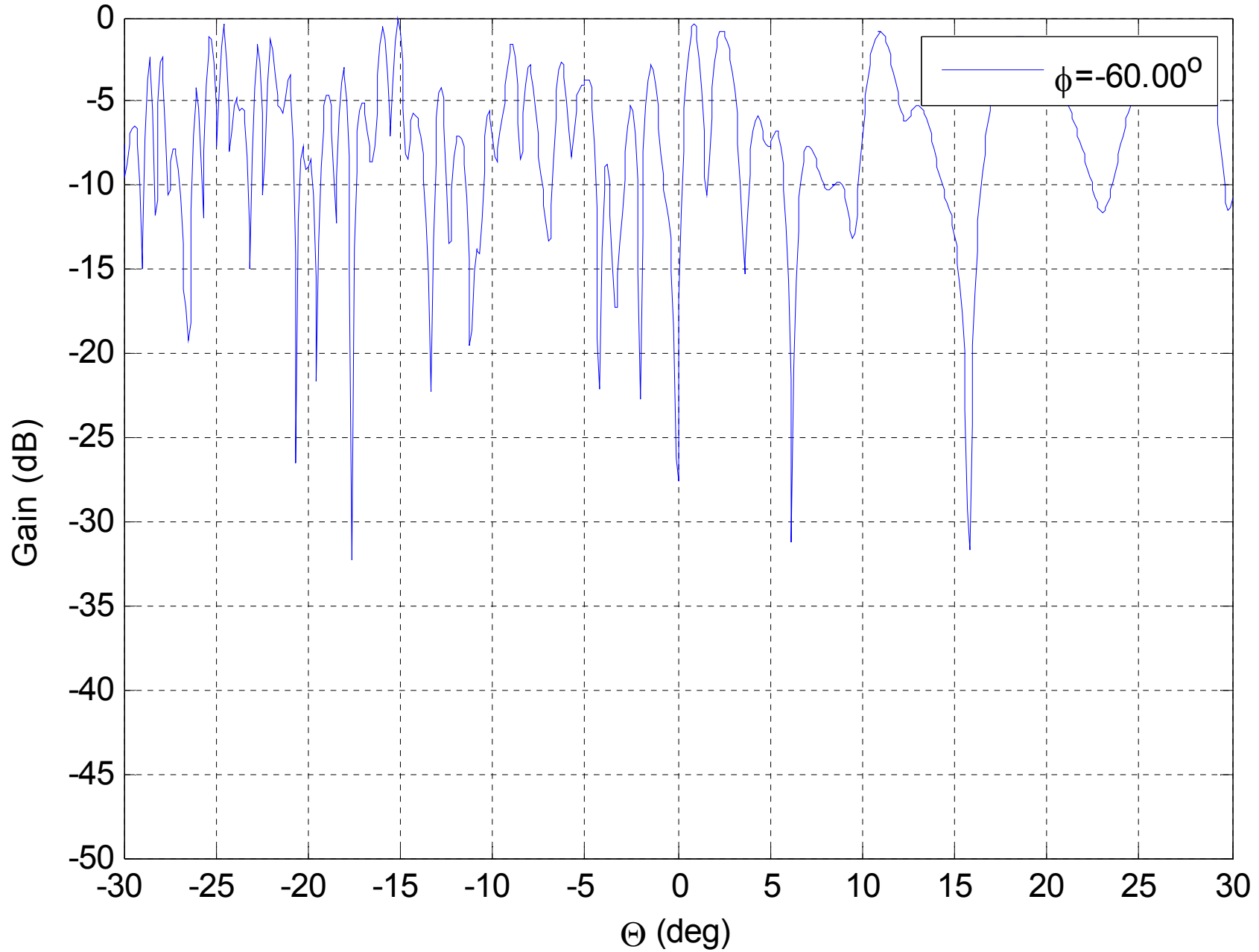
- Both polarizations: RHCP; LHCP
- $-30 < \theta < 30$  ( $\theta=0$ : +X-axis)
- $-60 < \phi < 60$
- Freqs = 17.305, 17.5 and 17.695 GHz

- The zero reference line on each plot is the peak off-axis gain in the title of the chart
- All off-axis gain levels are well below the 27.3 dBi level at  $5.6^\circ$  separation (>45 dB margin)

# RHCP at 17.3 GHz

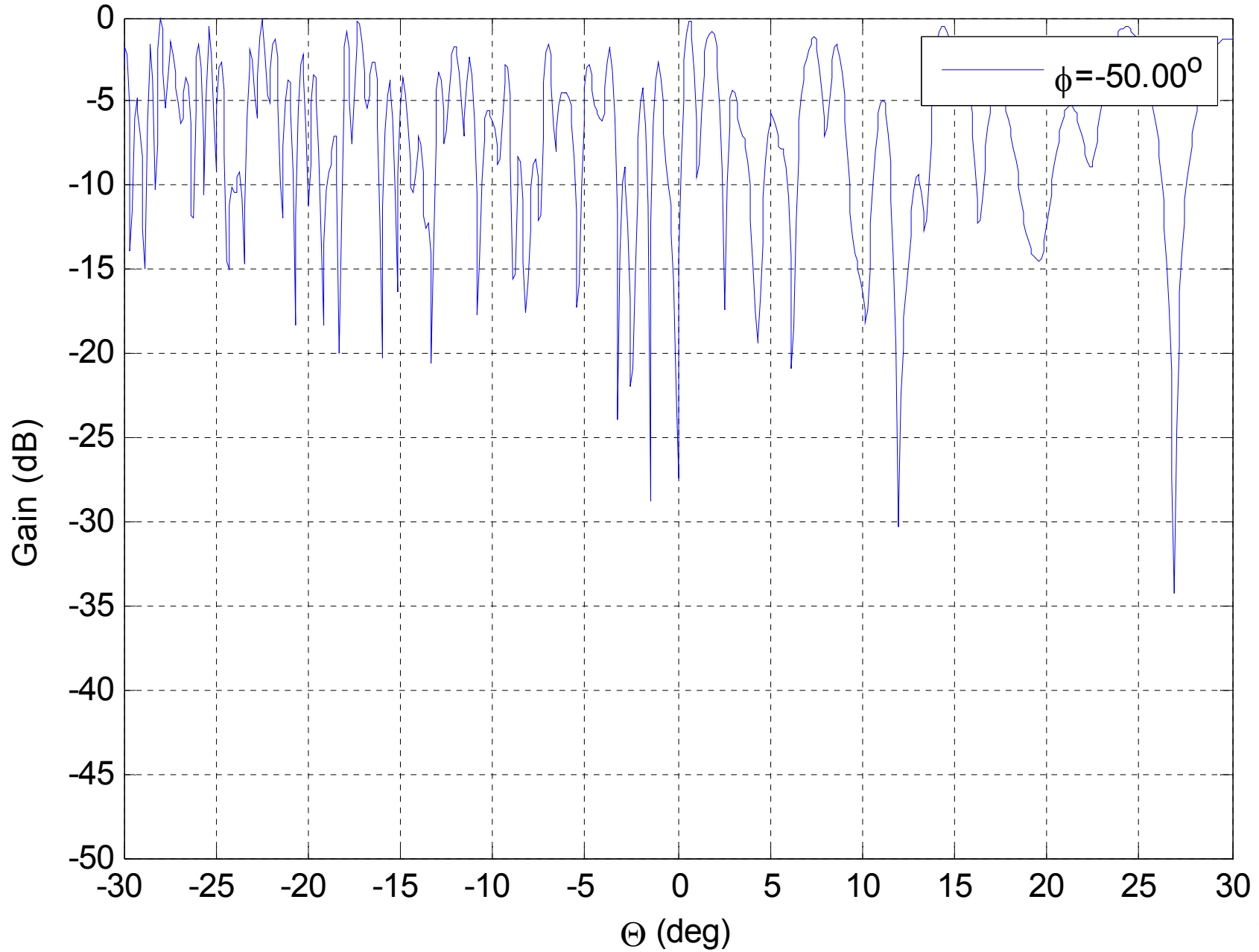
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-60.cut, Peak: -24.64 dB, Date: 2-Sep-2016



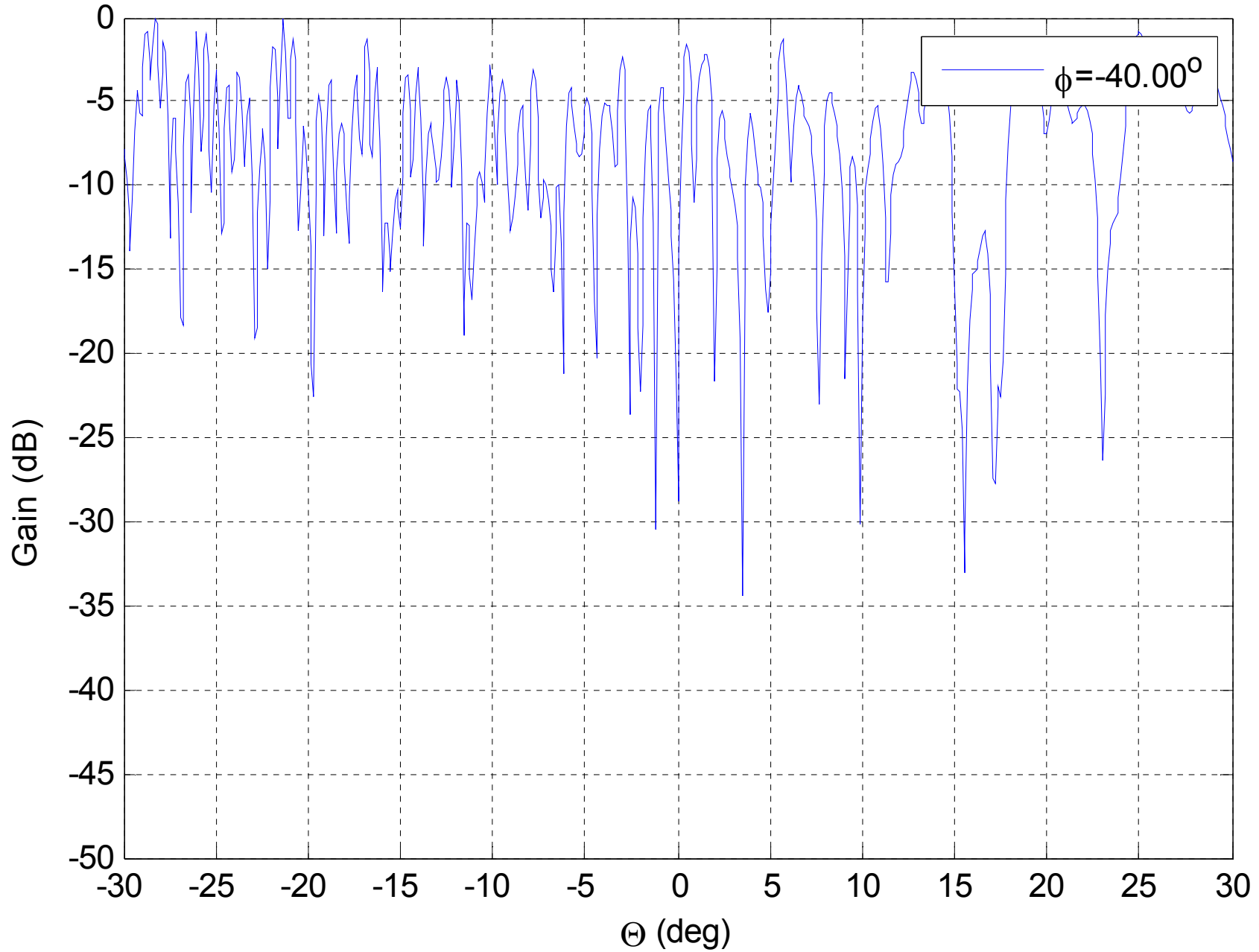
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--50.cut, Peak: -24.82 dB, Date: 2-Sep-2016



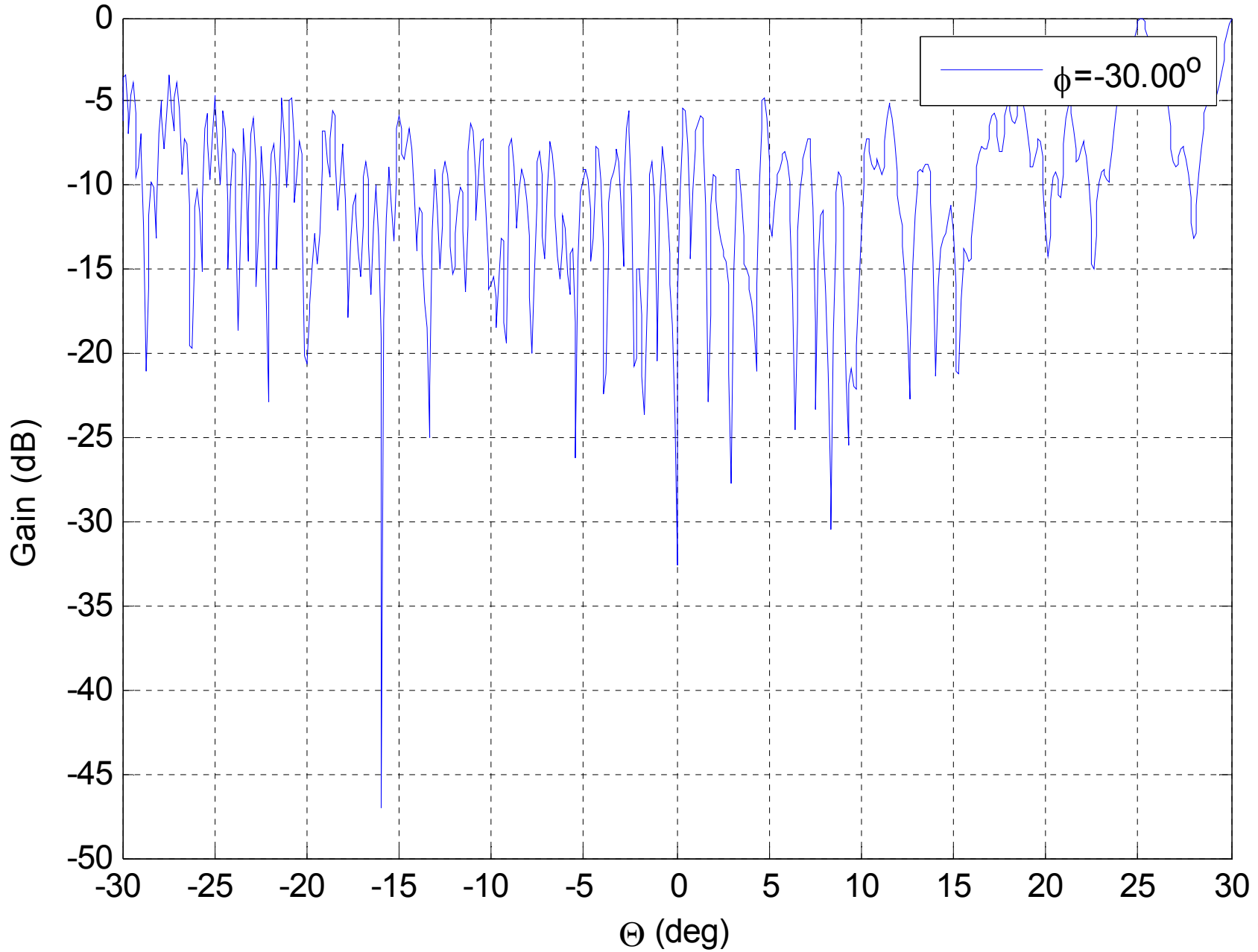
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-40.cut, Peak: -23.41 dB, Date: 2-Sep-2016



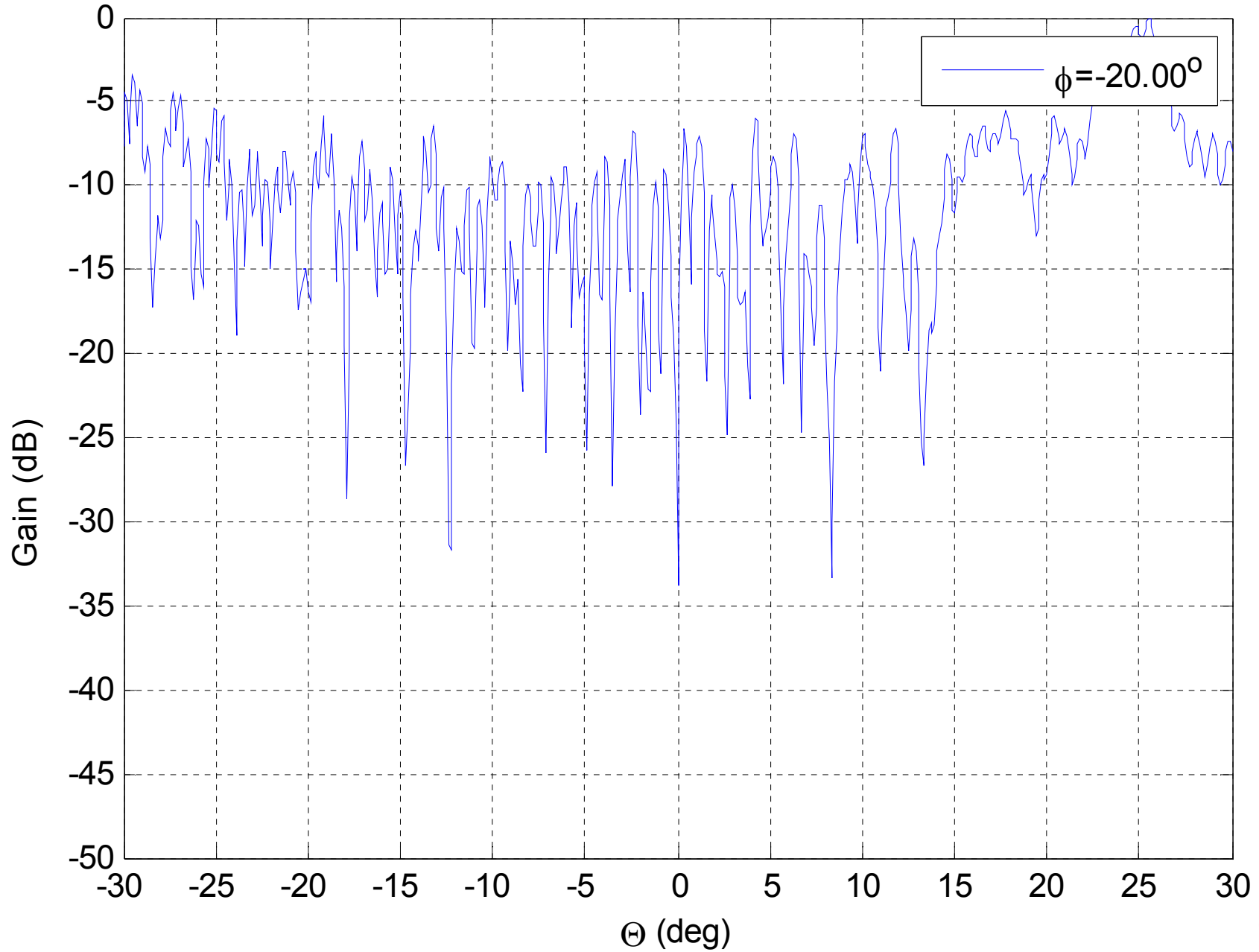
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--30.cut, Peak: -19.70 dB, Date: 2-Sep-2016



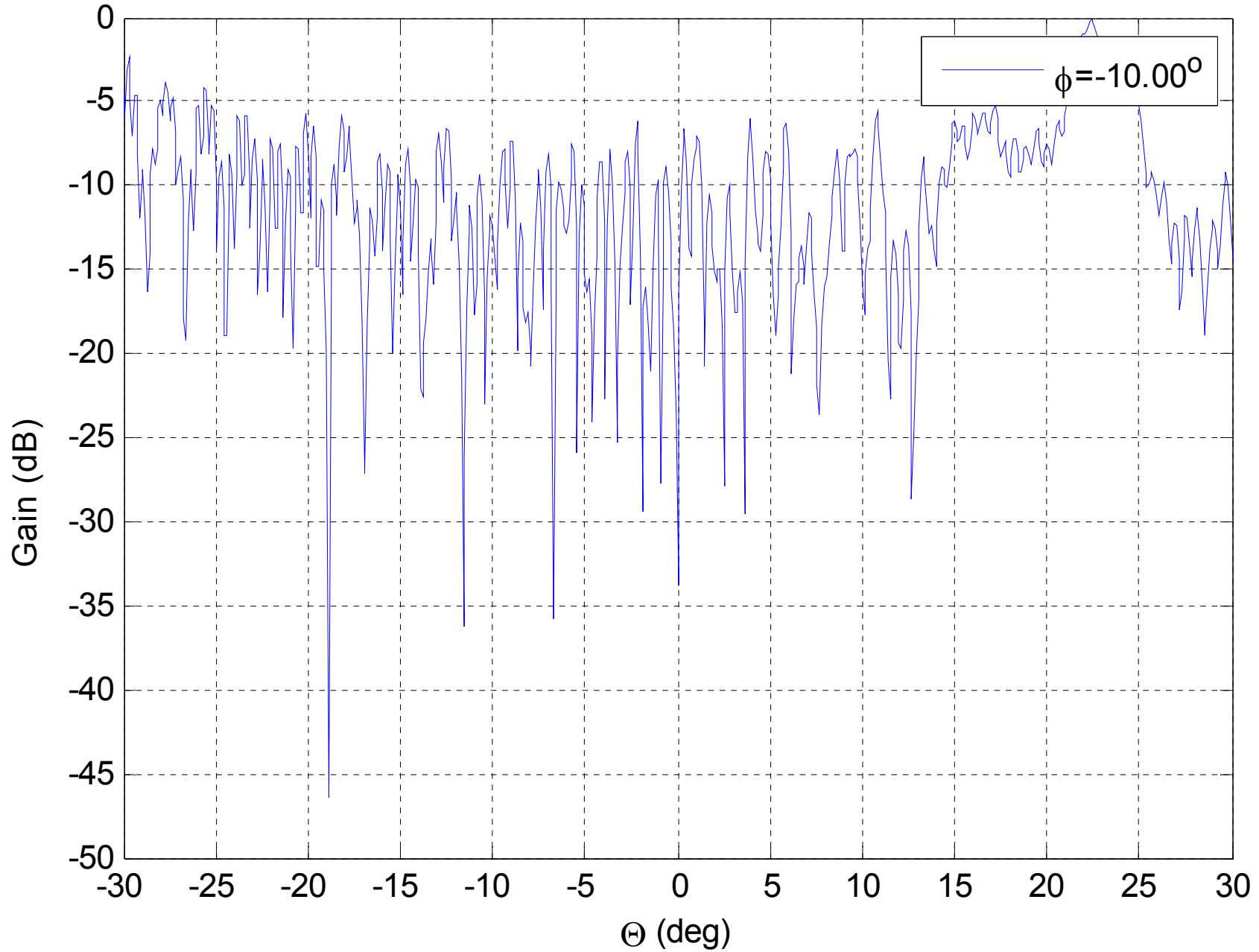
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp--20.cut, Peak: -18.41 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

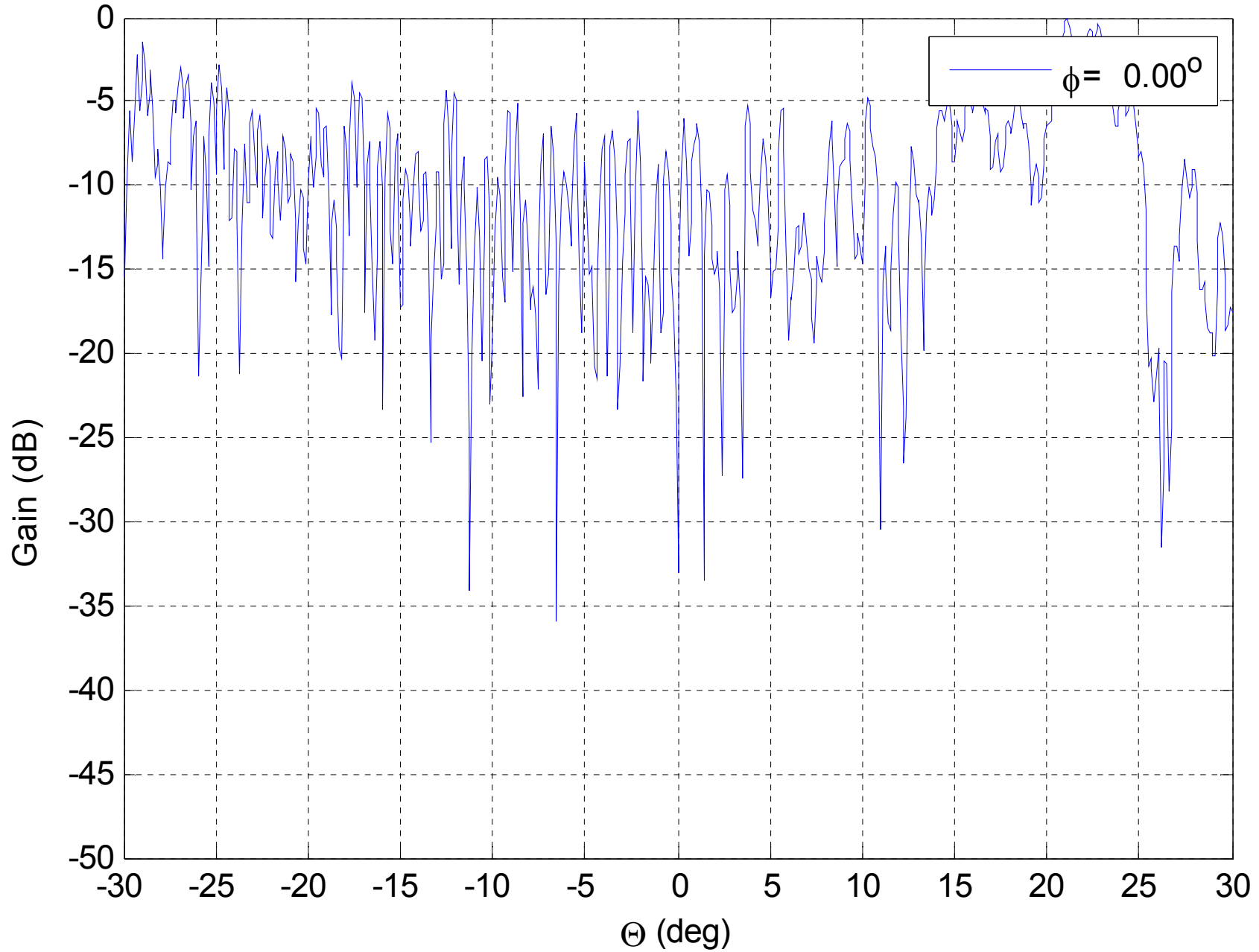
Input file: tx-17.3-rhcp--10.cut, Peak: -18.46 dB, Date: 2-Sep-2016





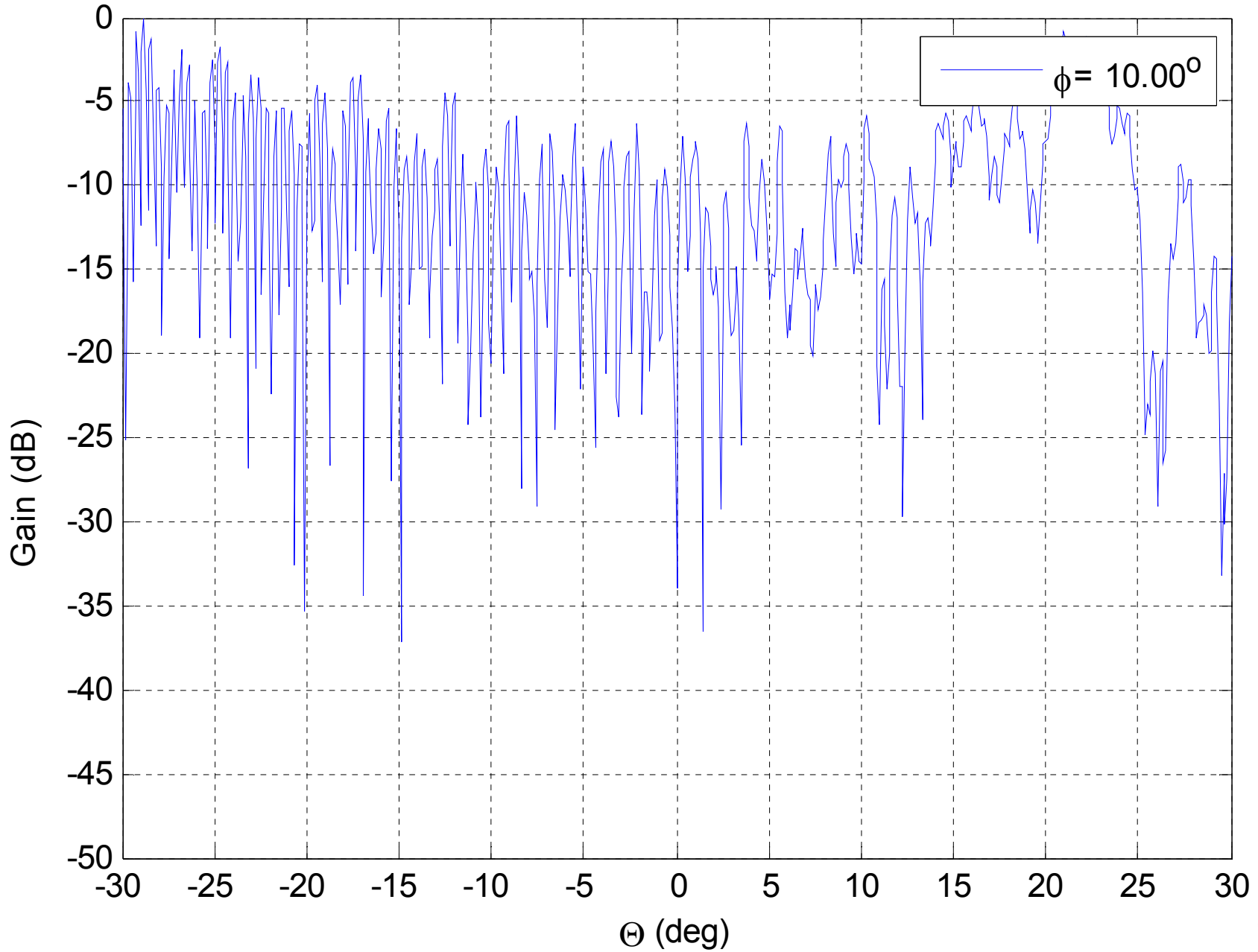
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-0.cut, Peak: -19.17 dB, Date: 2-Sep-2016



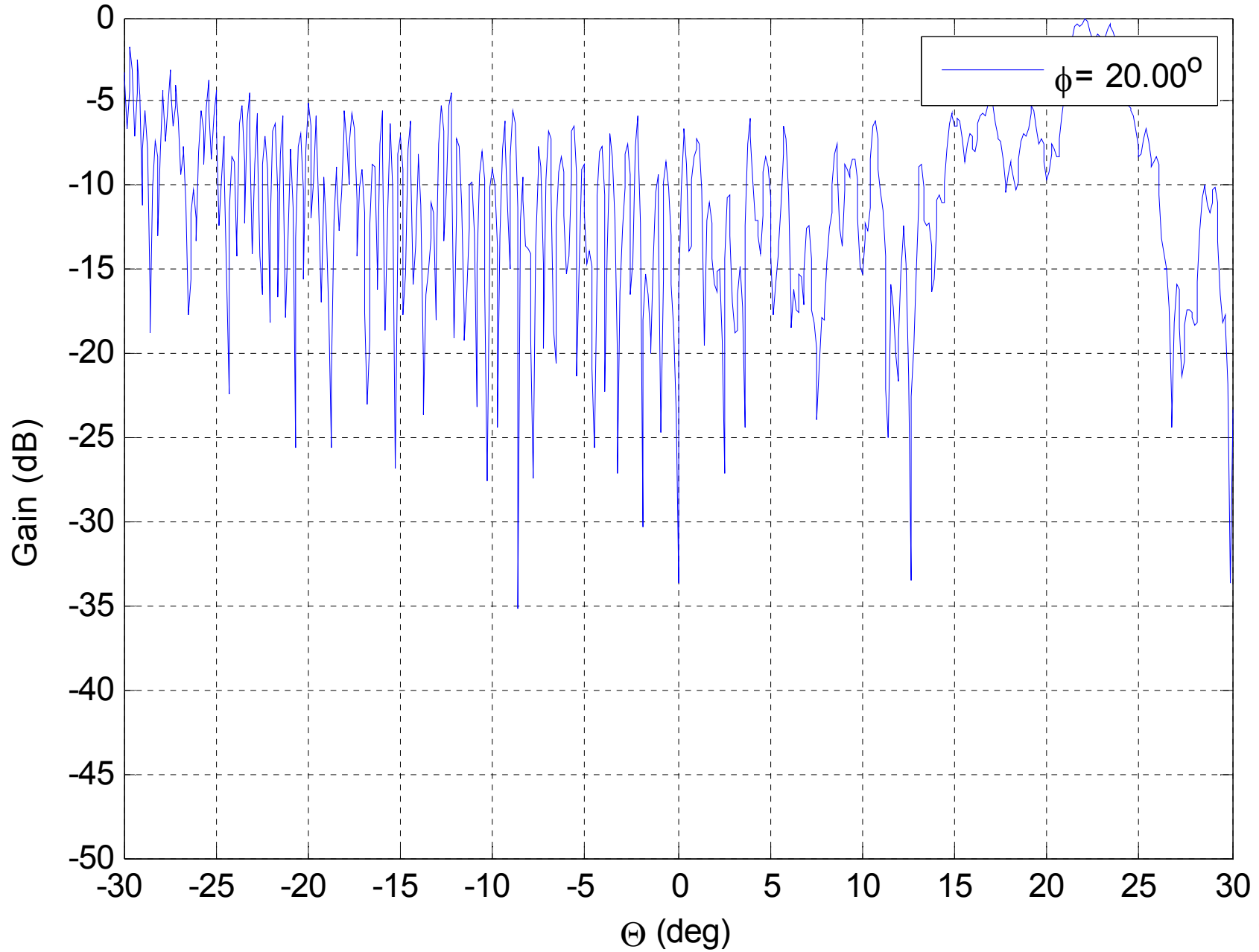
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-10.cut, Peak: -18.23 dB, Date: 2-Sep-2016



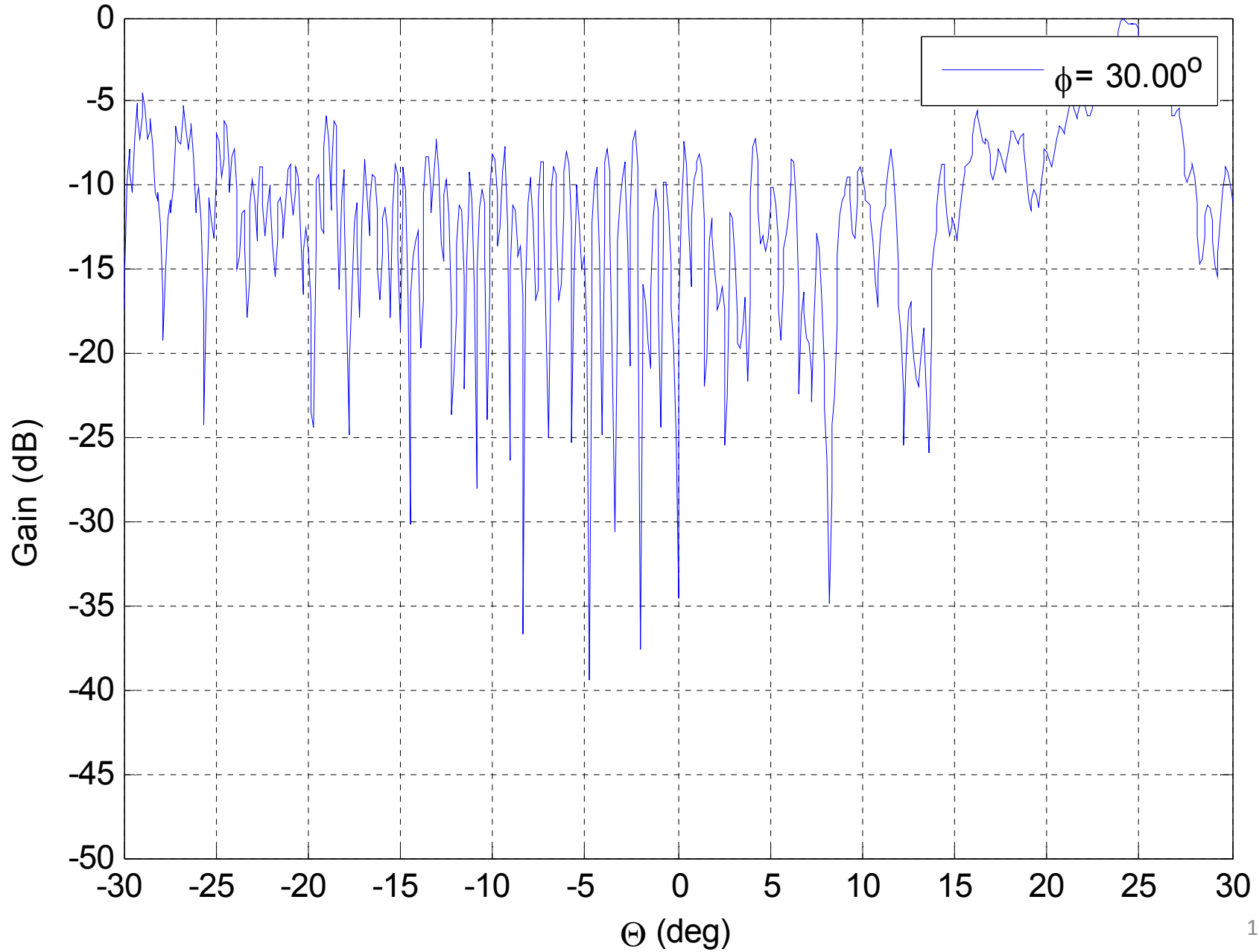
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-20.cut, Peak: -18.53 dB, Date: 2-Sep-2016



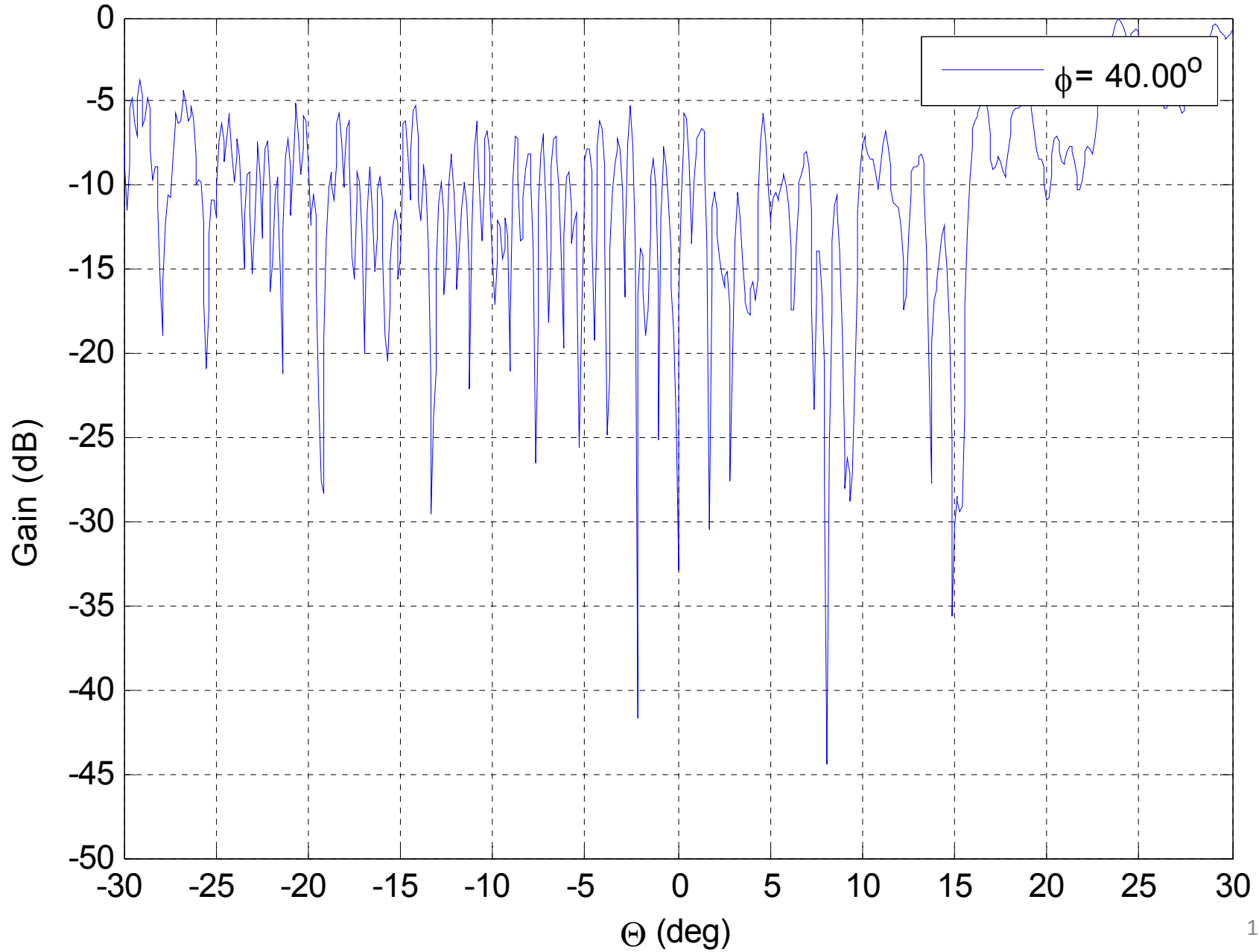
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-30.cut, Peak: -17.65 dB, Date: 2-Sep-2016



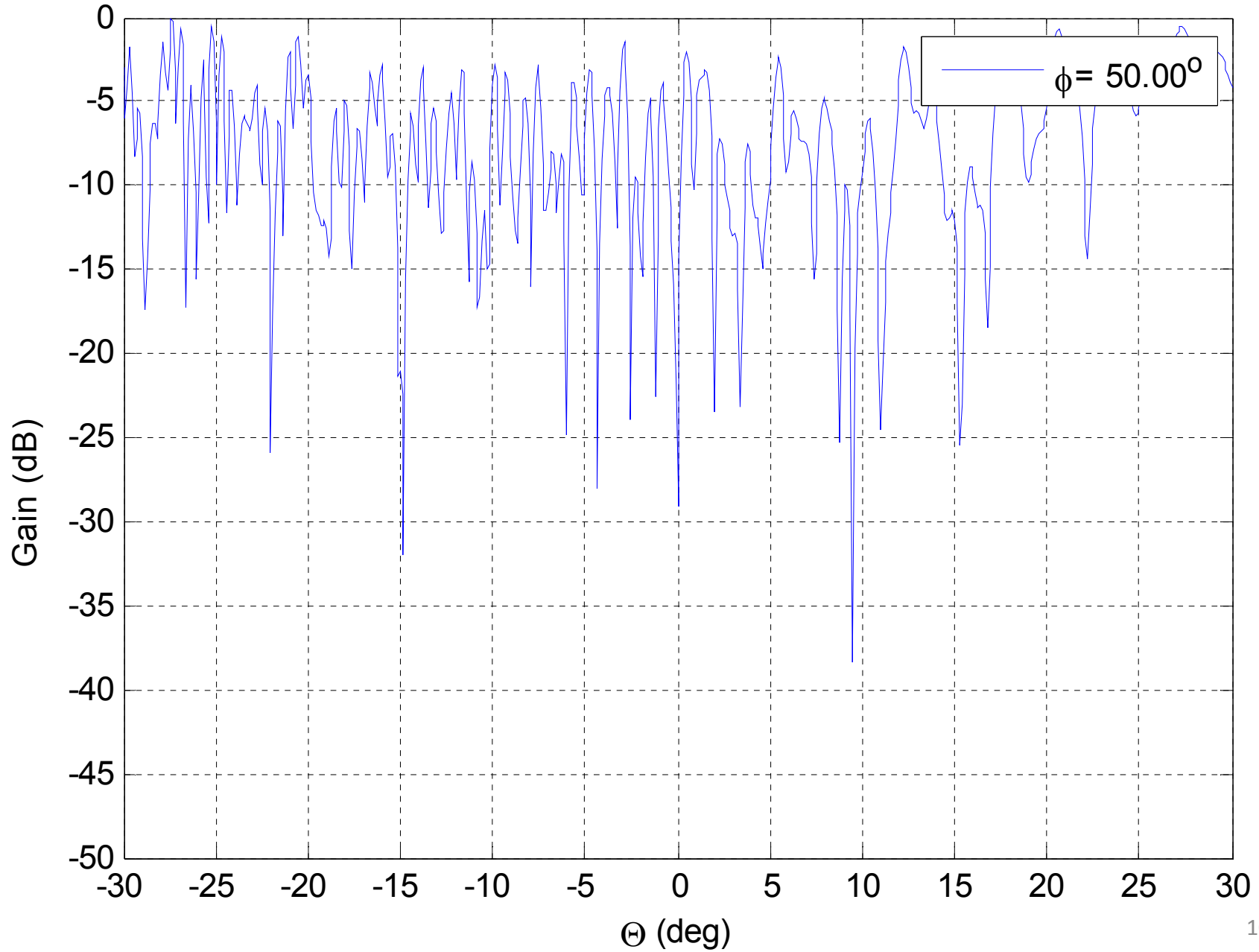
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-40.cut, Peak: -19.43 dB, Date: 2-Sep-2016



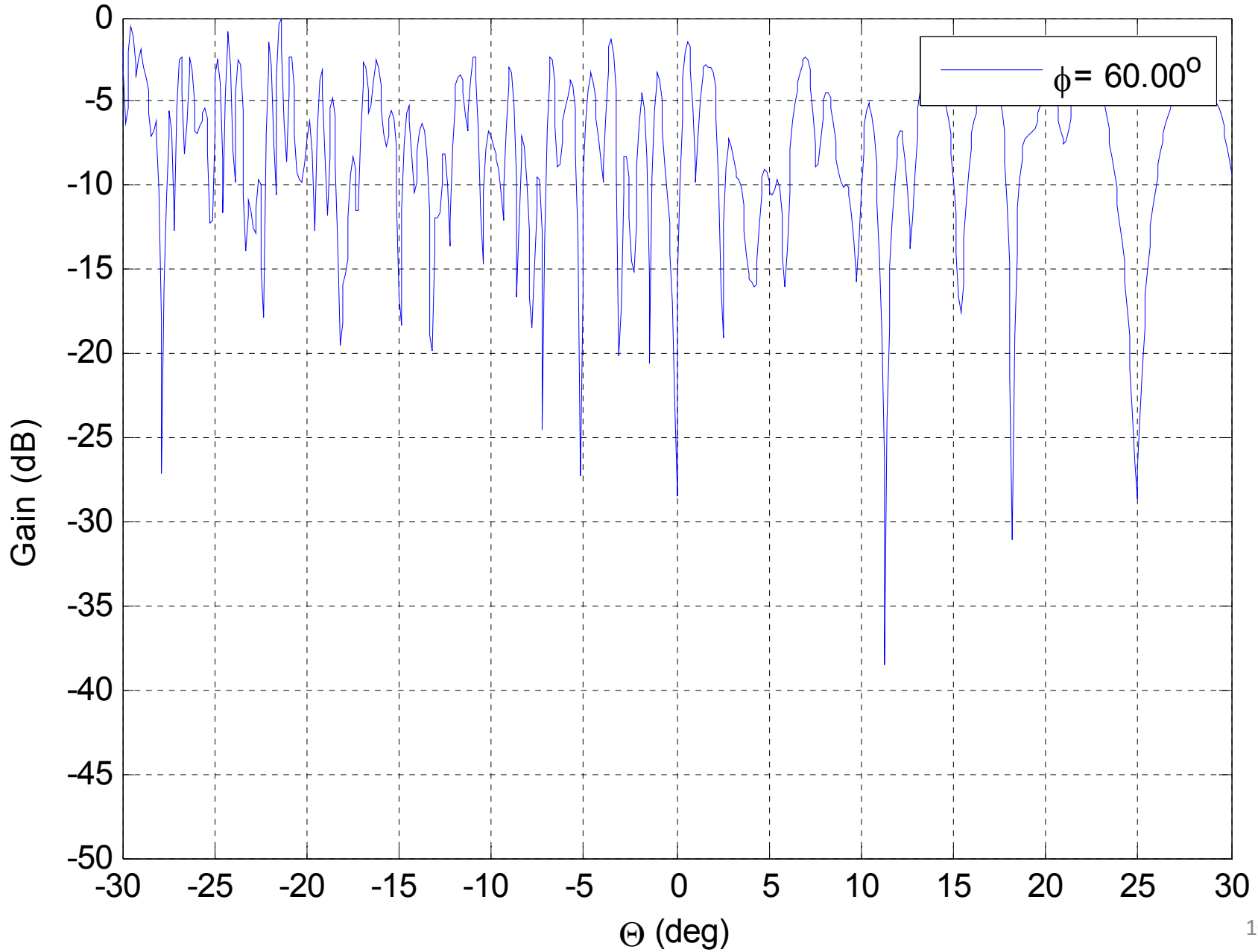
# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-50.cut, Peak: -23.14 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

Input file: tx-17.3-rhcp-60.cut, Peak: -23.71 dB, Date: 2-Sep-2016

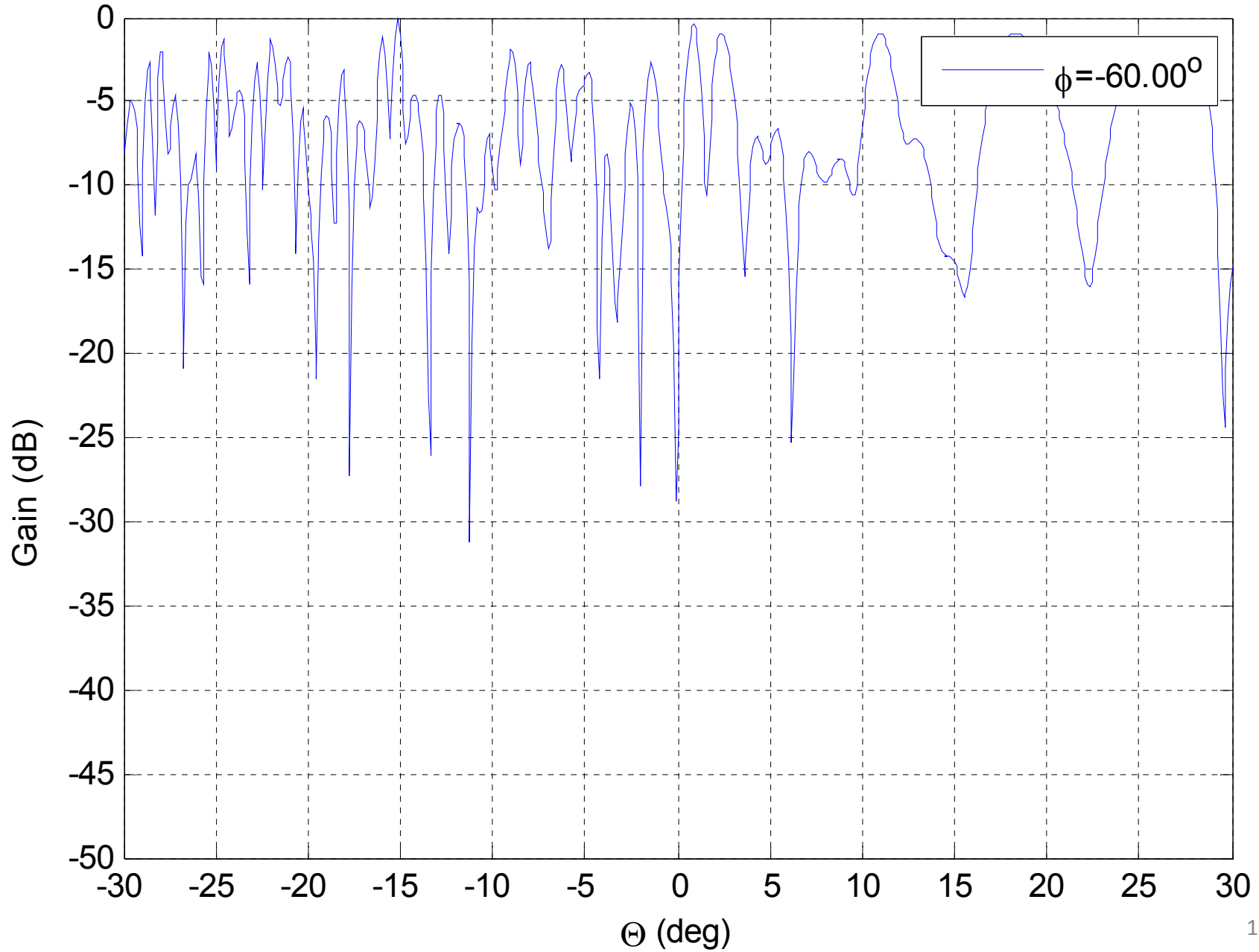


# LHCP at 17.3 GHz



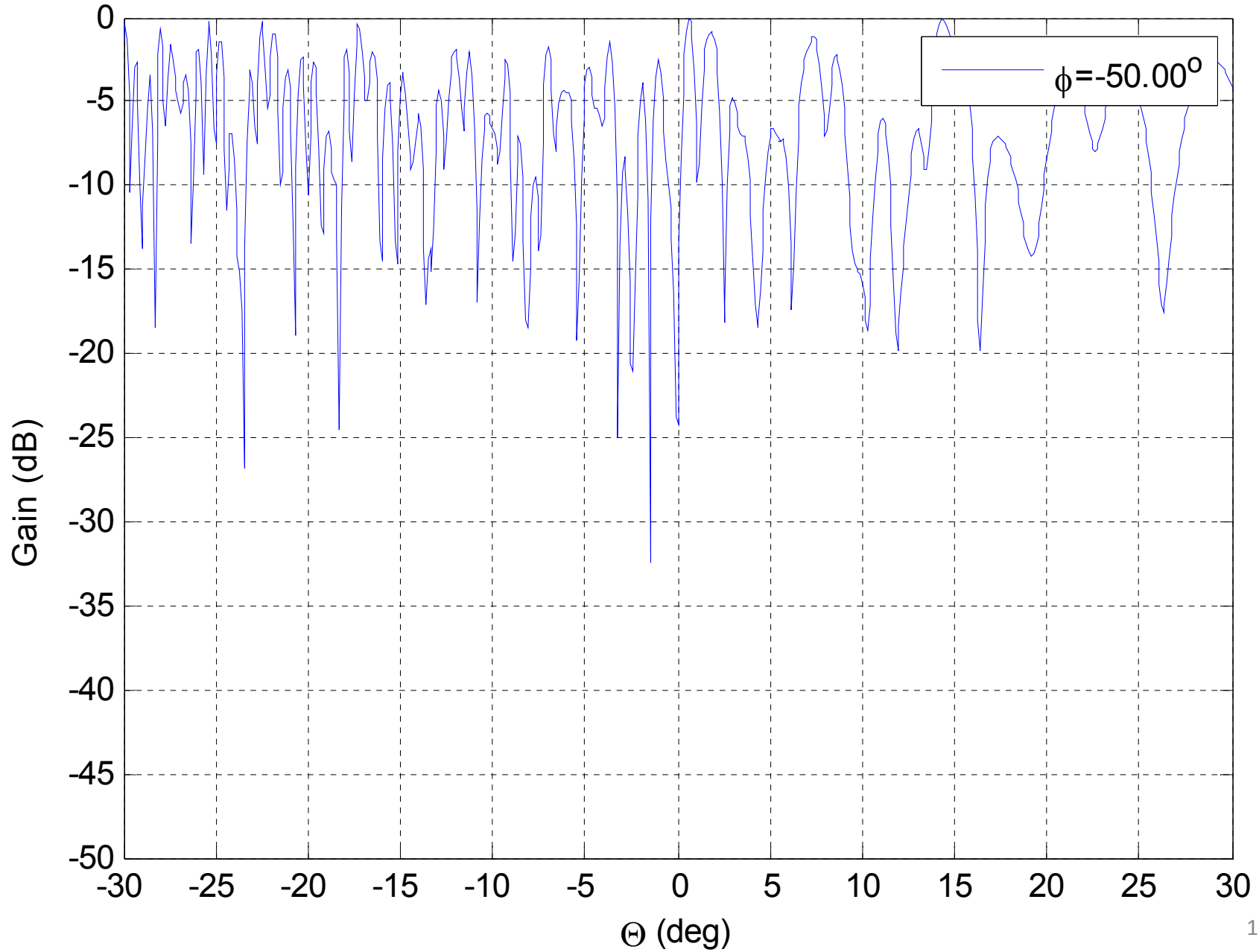
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-60.cut, Peak: -24.51 dB, Date: 2-Sep-2016



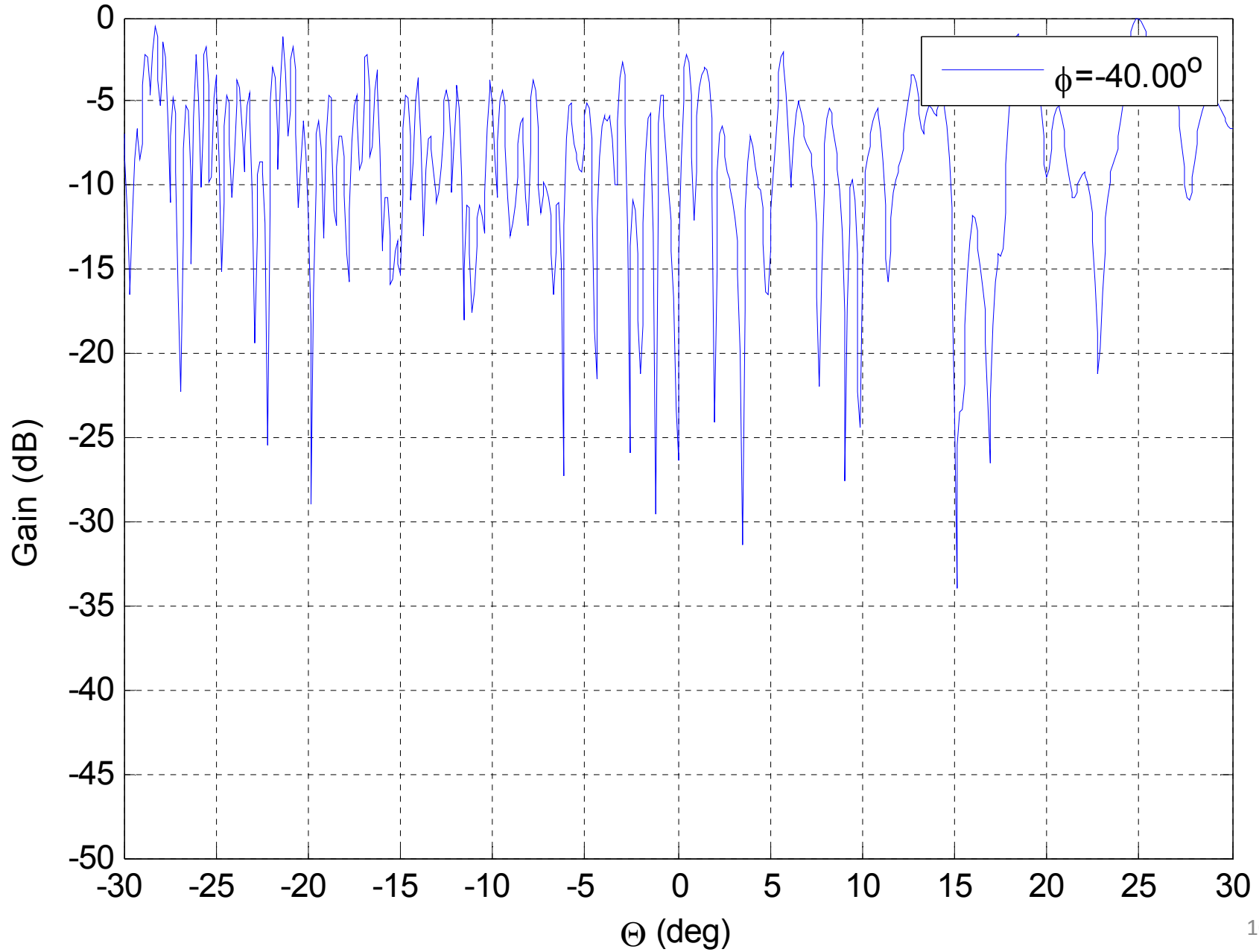
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-50.cut, Peak: -24.83 dB, Date: 2-Sep-2016



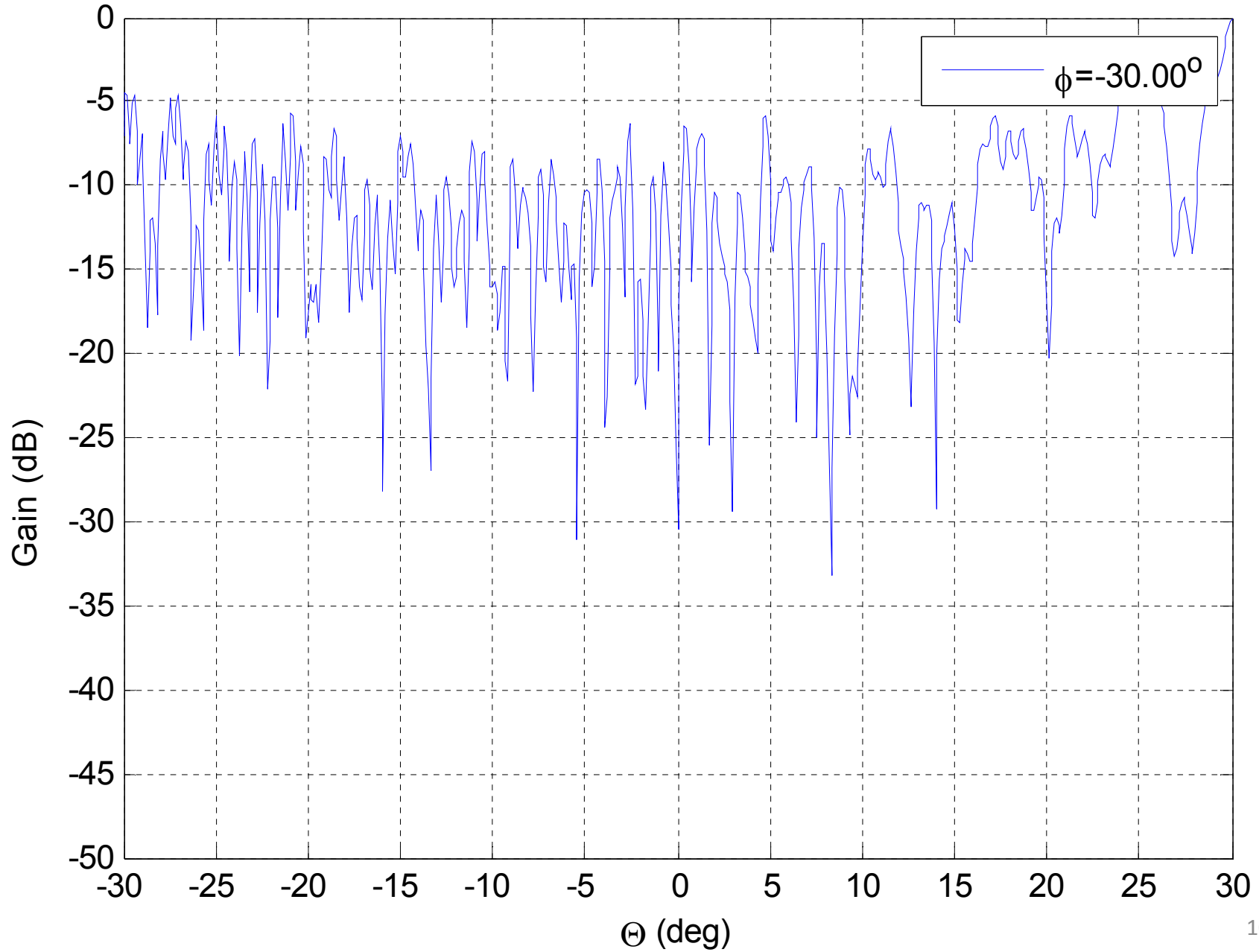
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-40.cut, Peak: -22.70 dB, Date: 2-Sep-2016



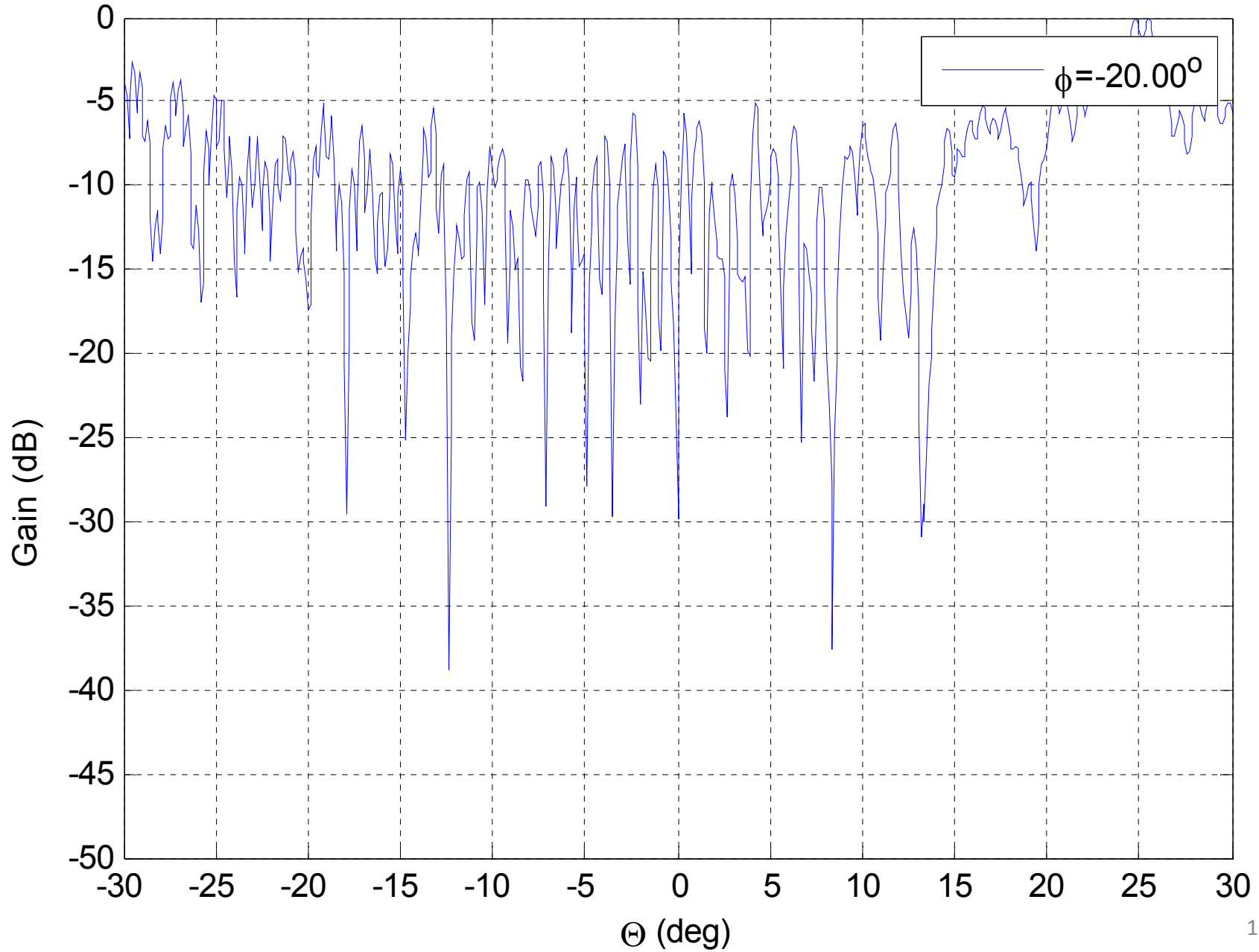
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--30.cut, Peak: -18.60 dB, Date: 2-Sep-2016



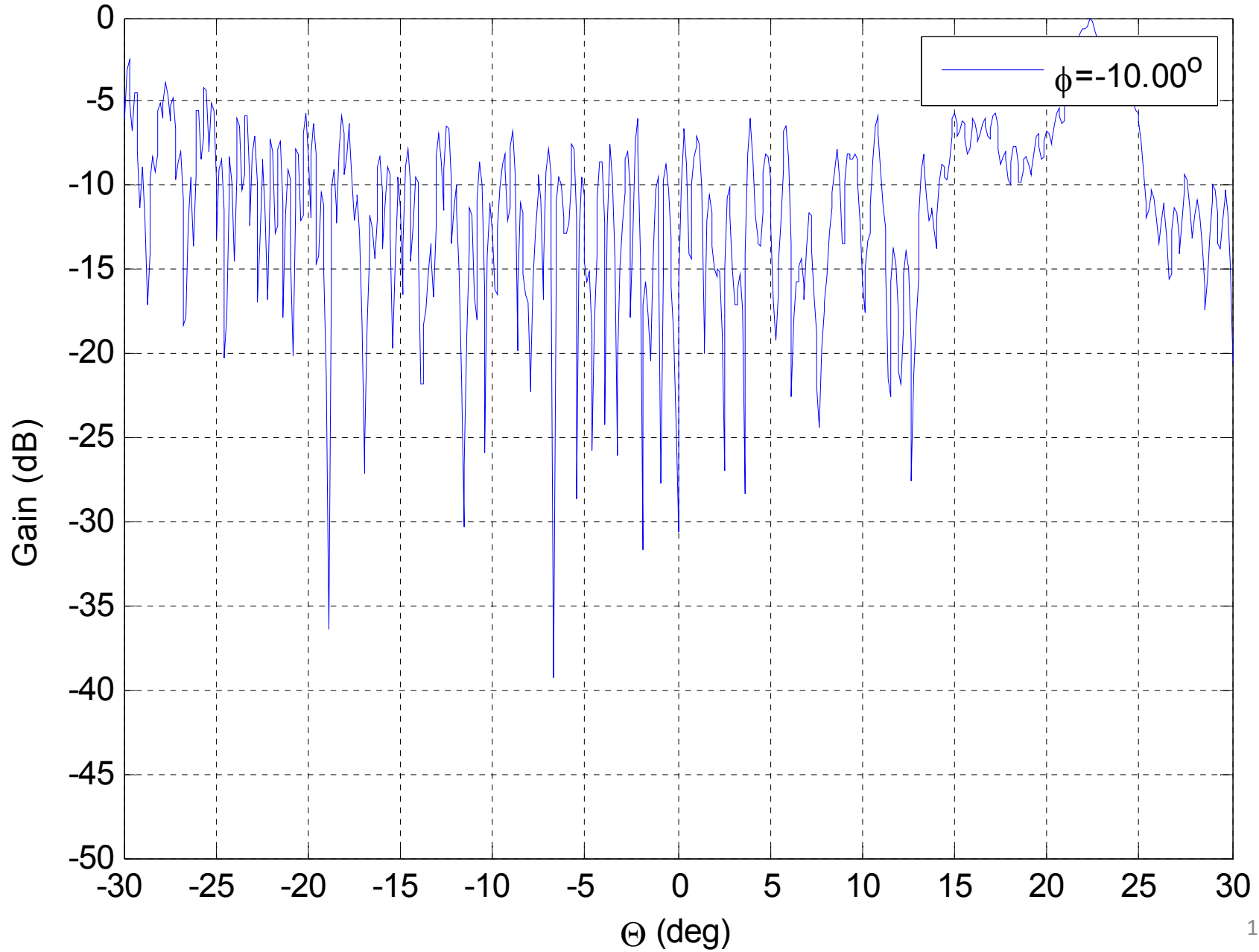
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp--20.cut, Peak: -19.25 dB, Date: 2-Sep-2016



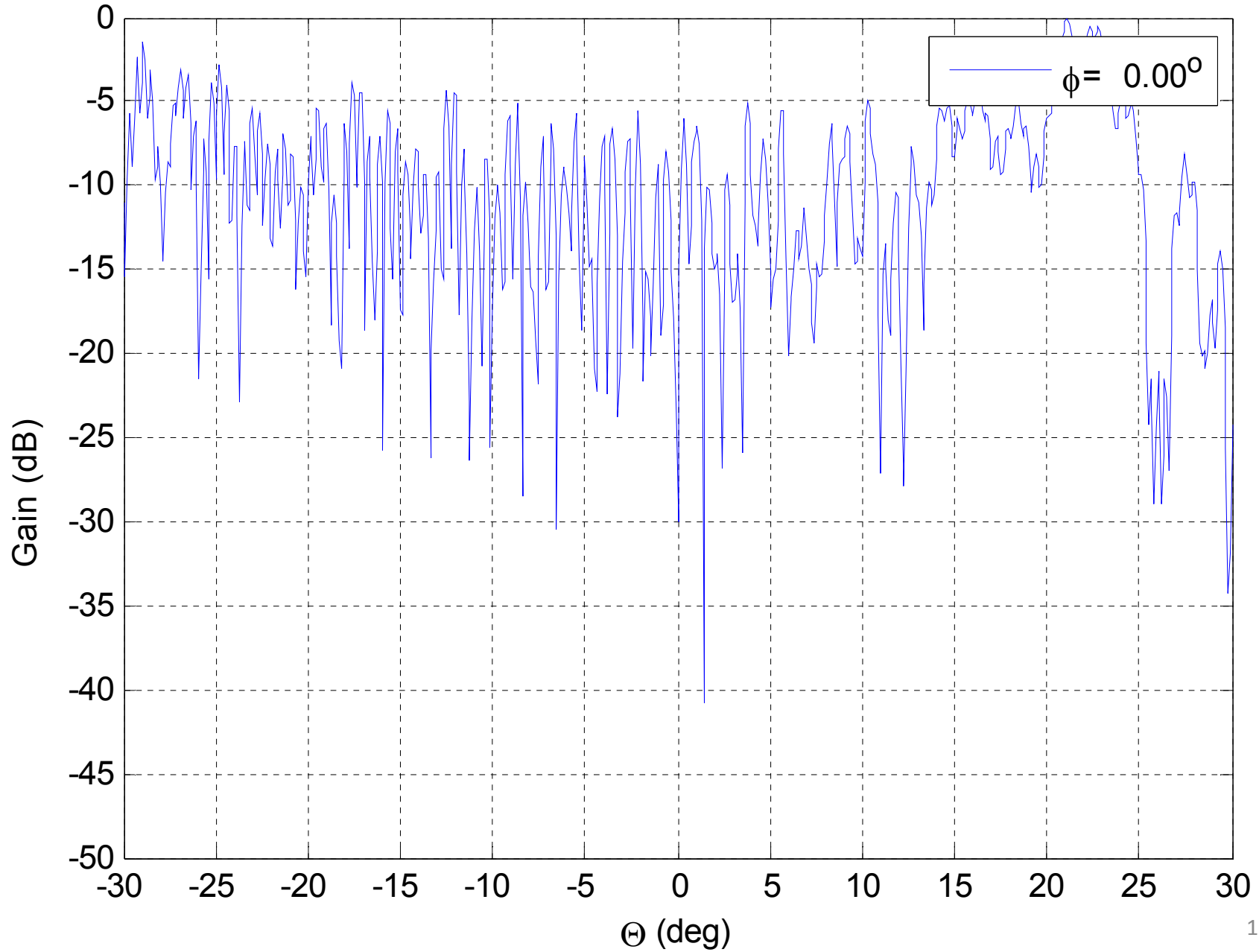
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-10.cut, Peak: -18.40 dB, Date: 2-Sep-2016



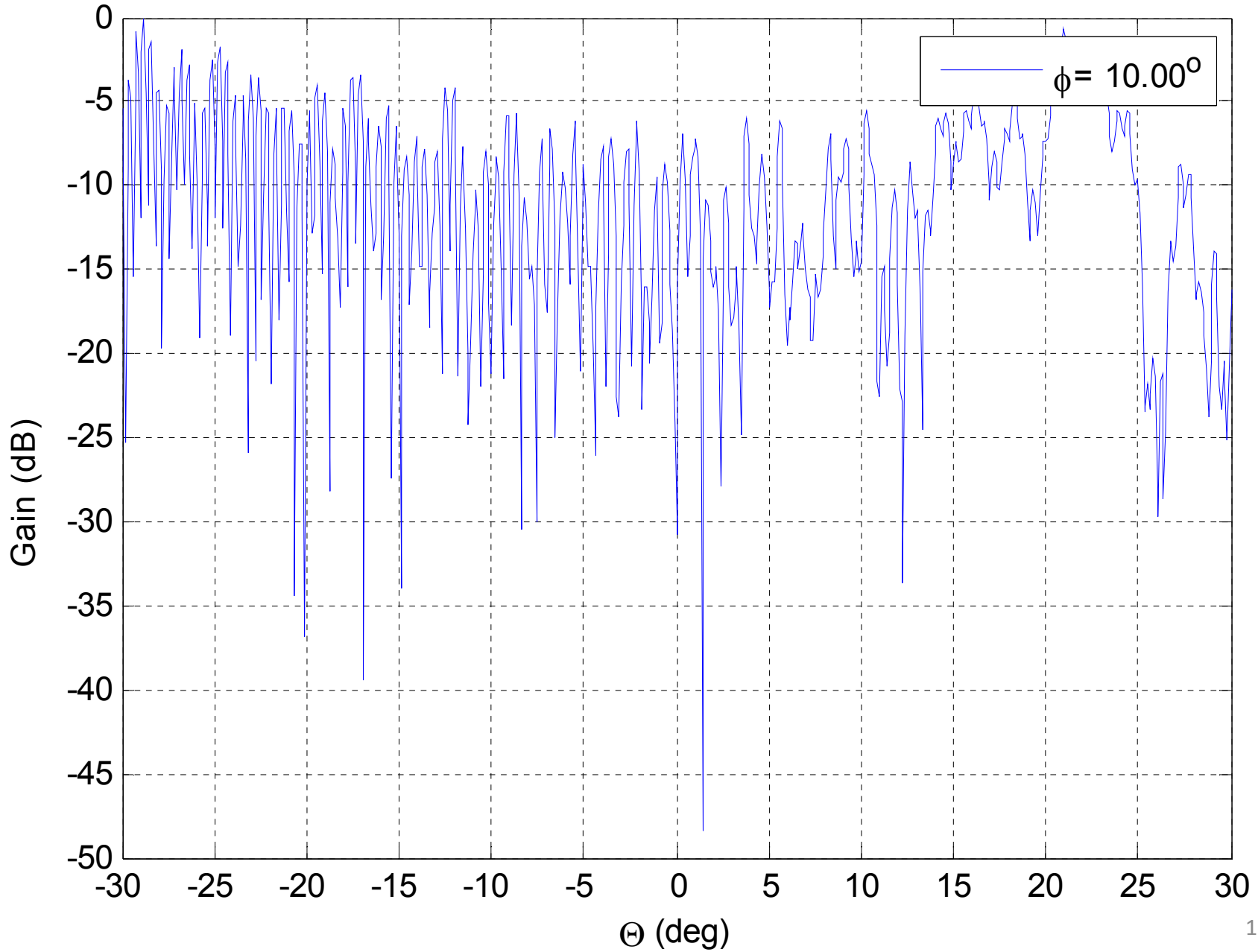
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-0.cut, Peak: -19.08 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

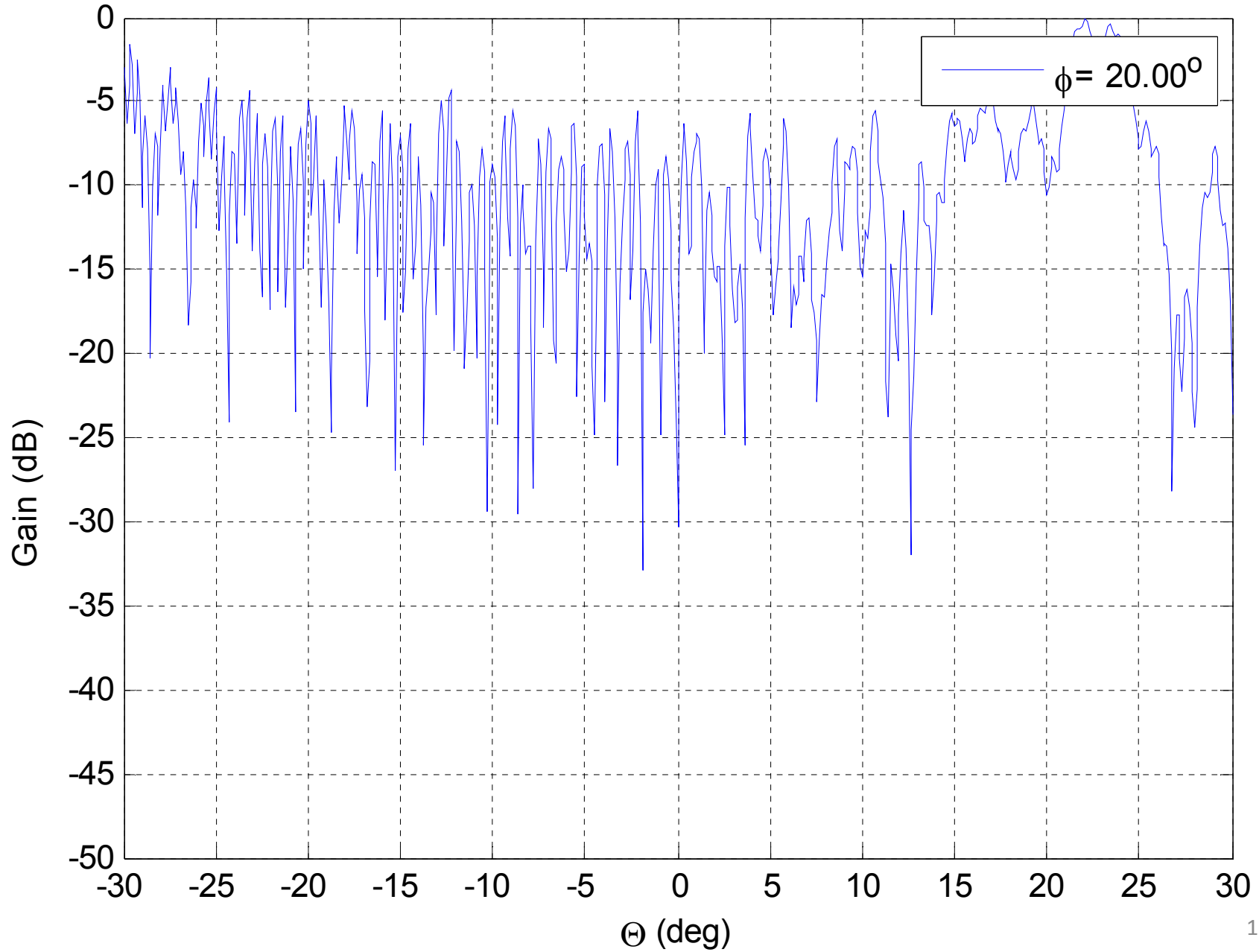
Input file: tx-17.3-lhcp-10.cut, Peak: -18.31 dB, Date: 2-Sep-2016





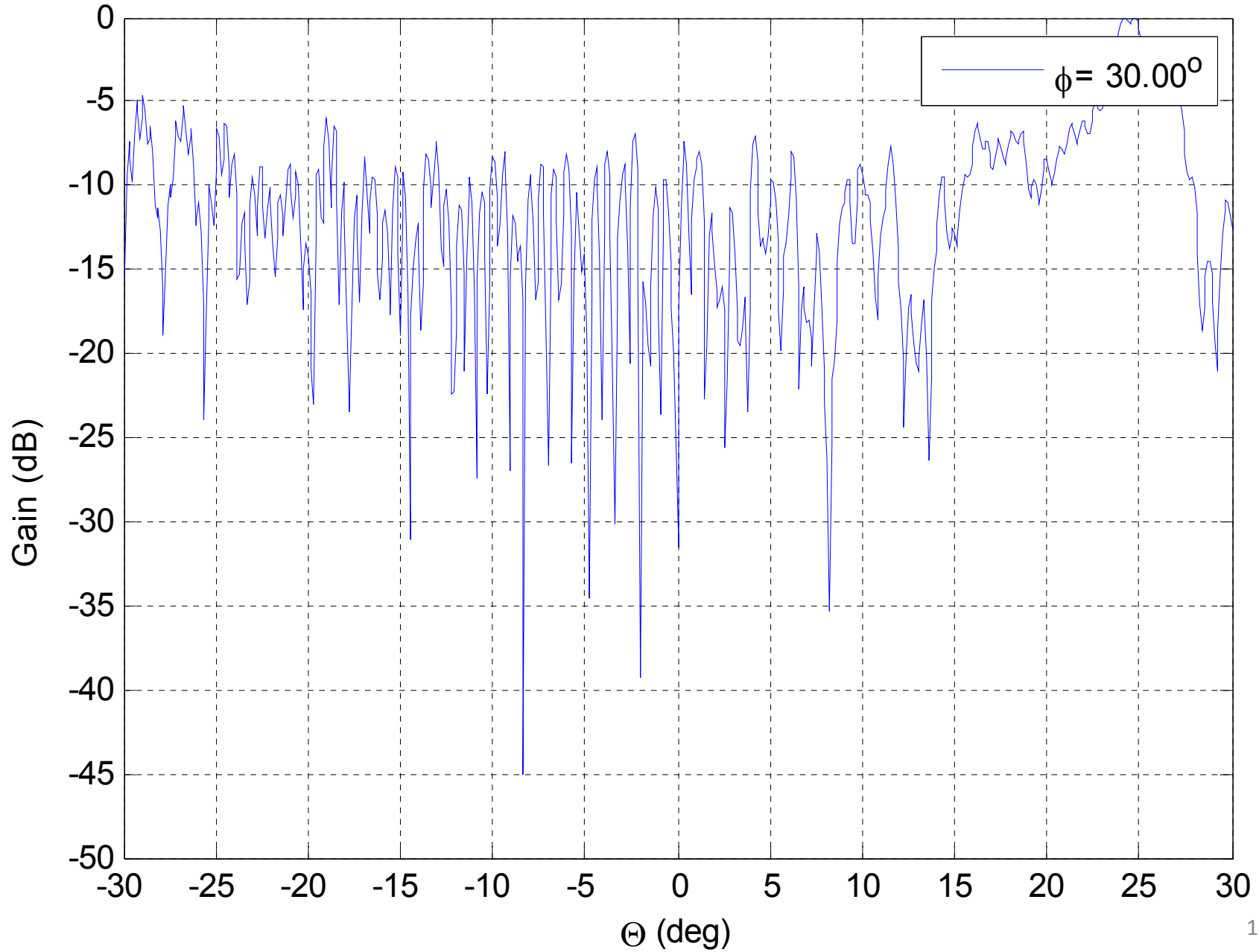
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-20.cut, Peak: -18.74 dB, Date: 2-Sep-2016



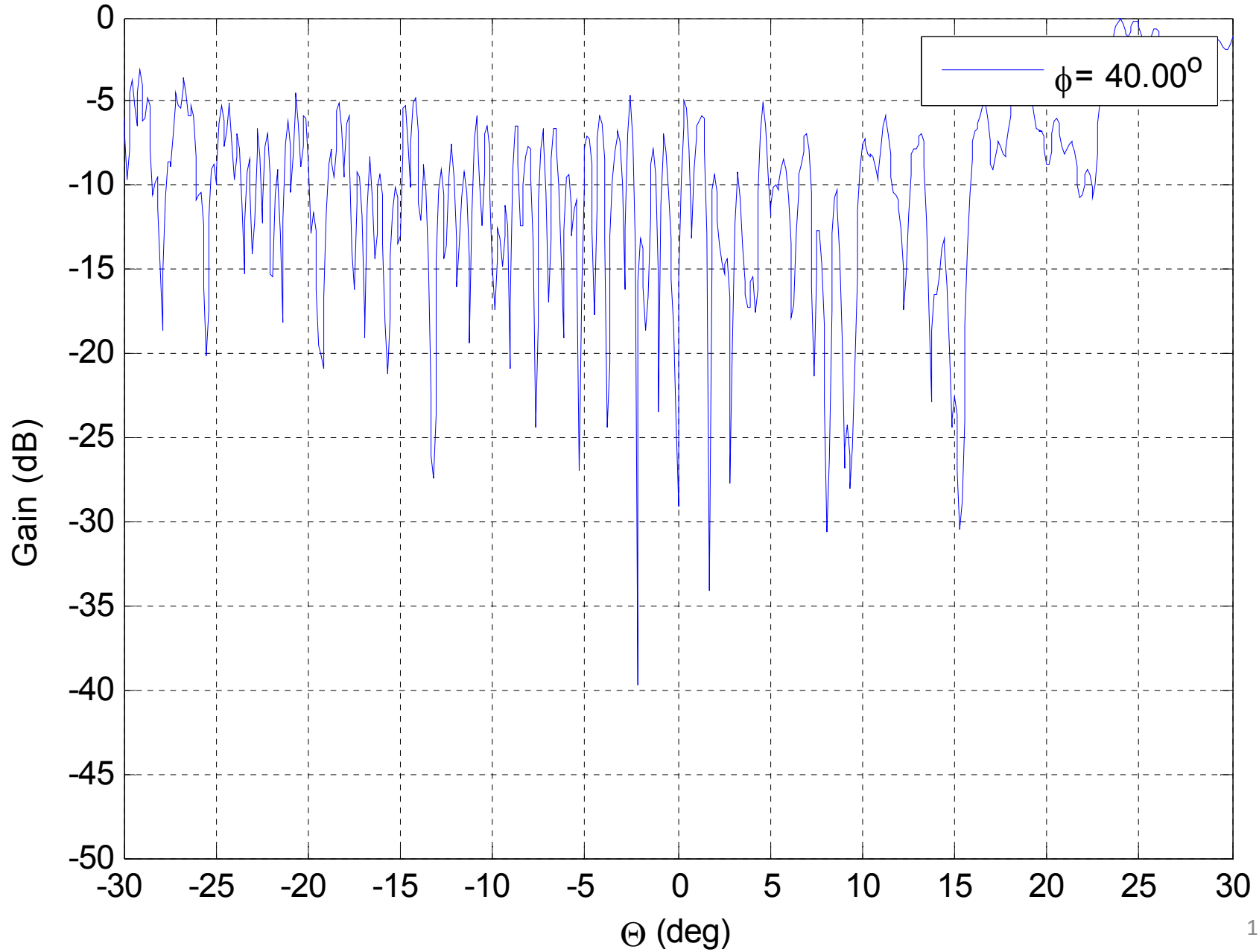
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-30.cut, Peak: -17.60 dB, Date: 2-Sep-2016



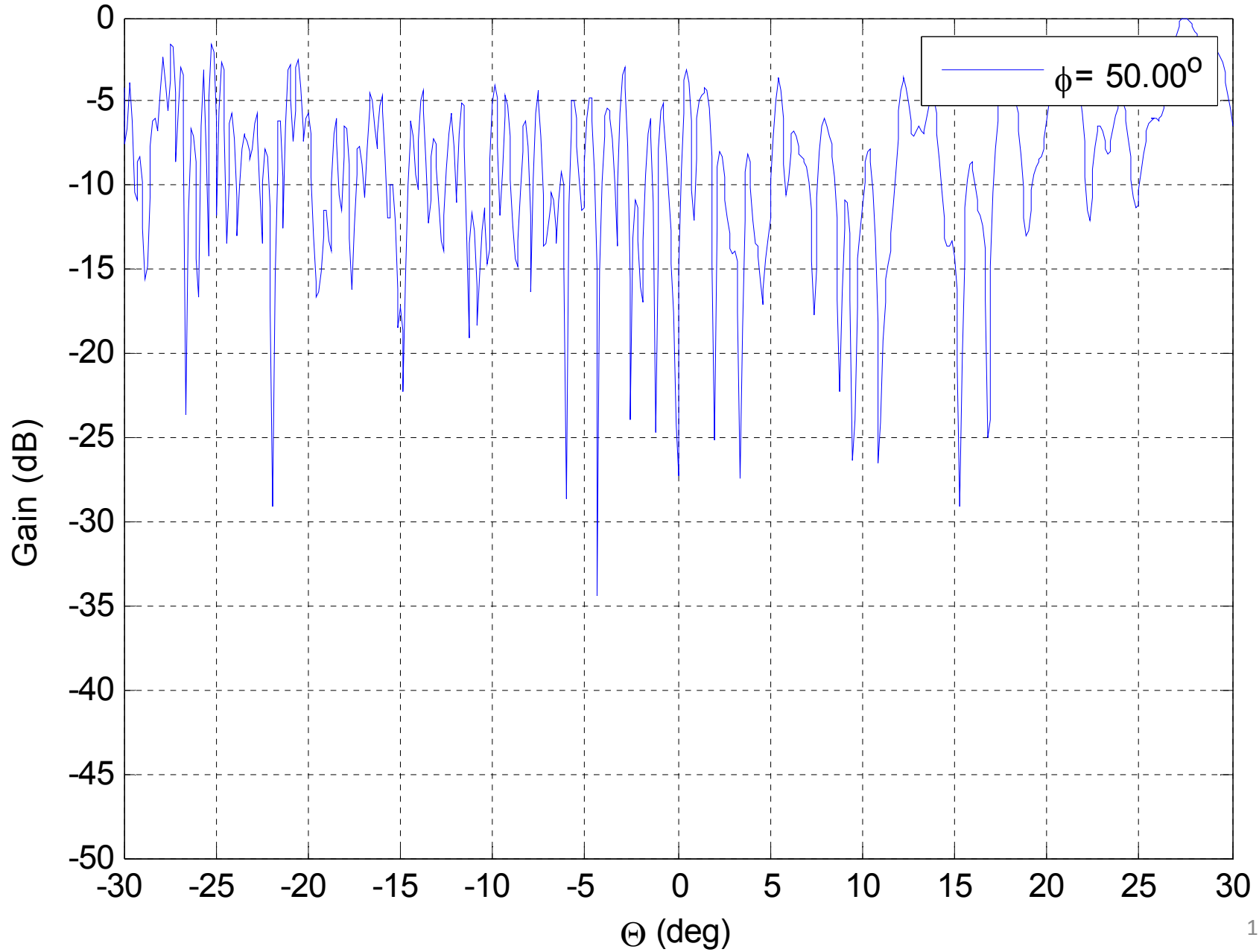
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-40.cut, Peak: -20.2 dB, Date: 2-Sep-2016



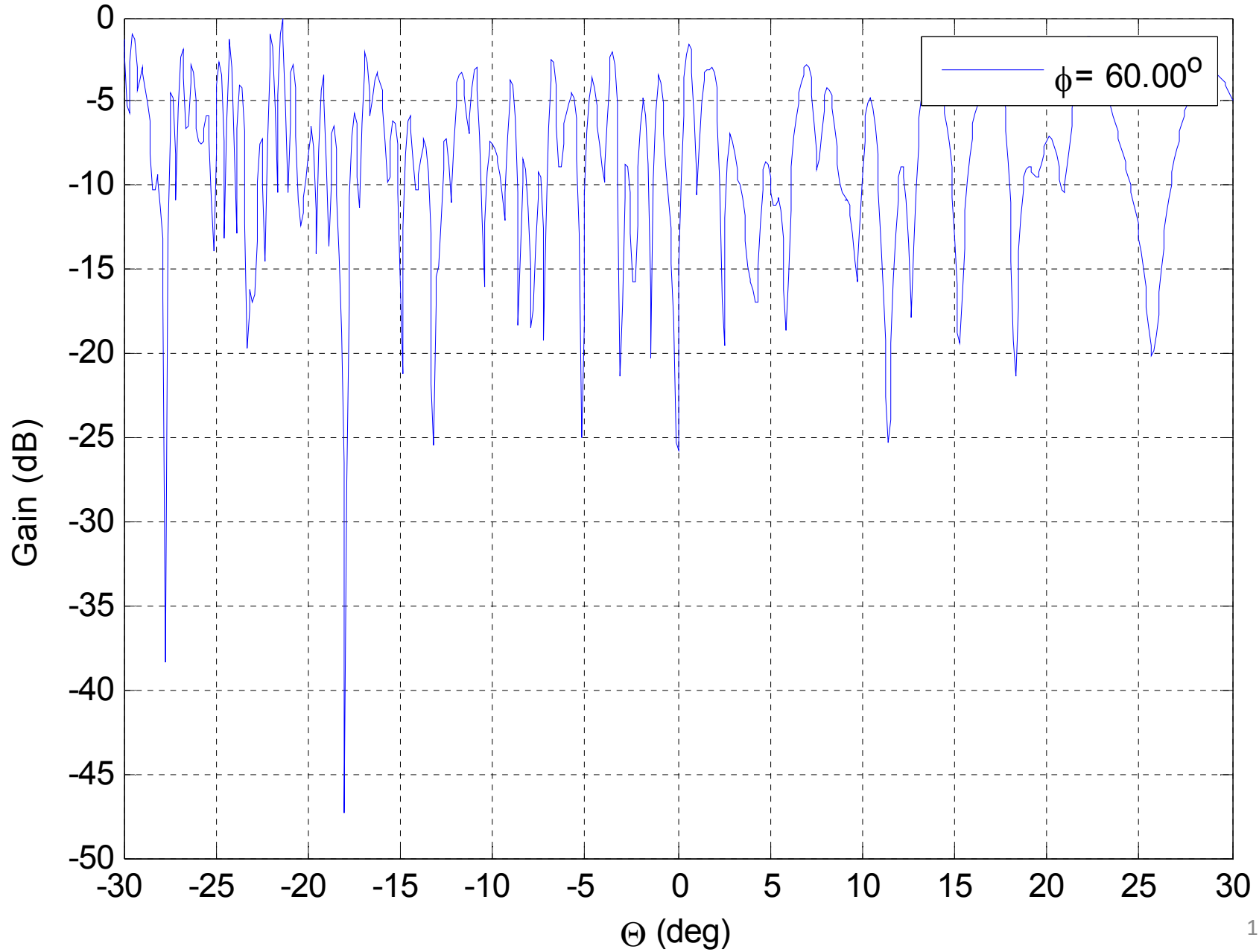
# Normalized pattern cuts - farfield

Input file: tx-17.3-lhcp-50.cut, Peak: -21.83 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

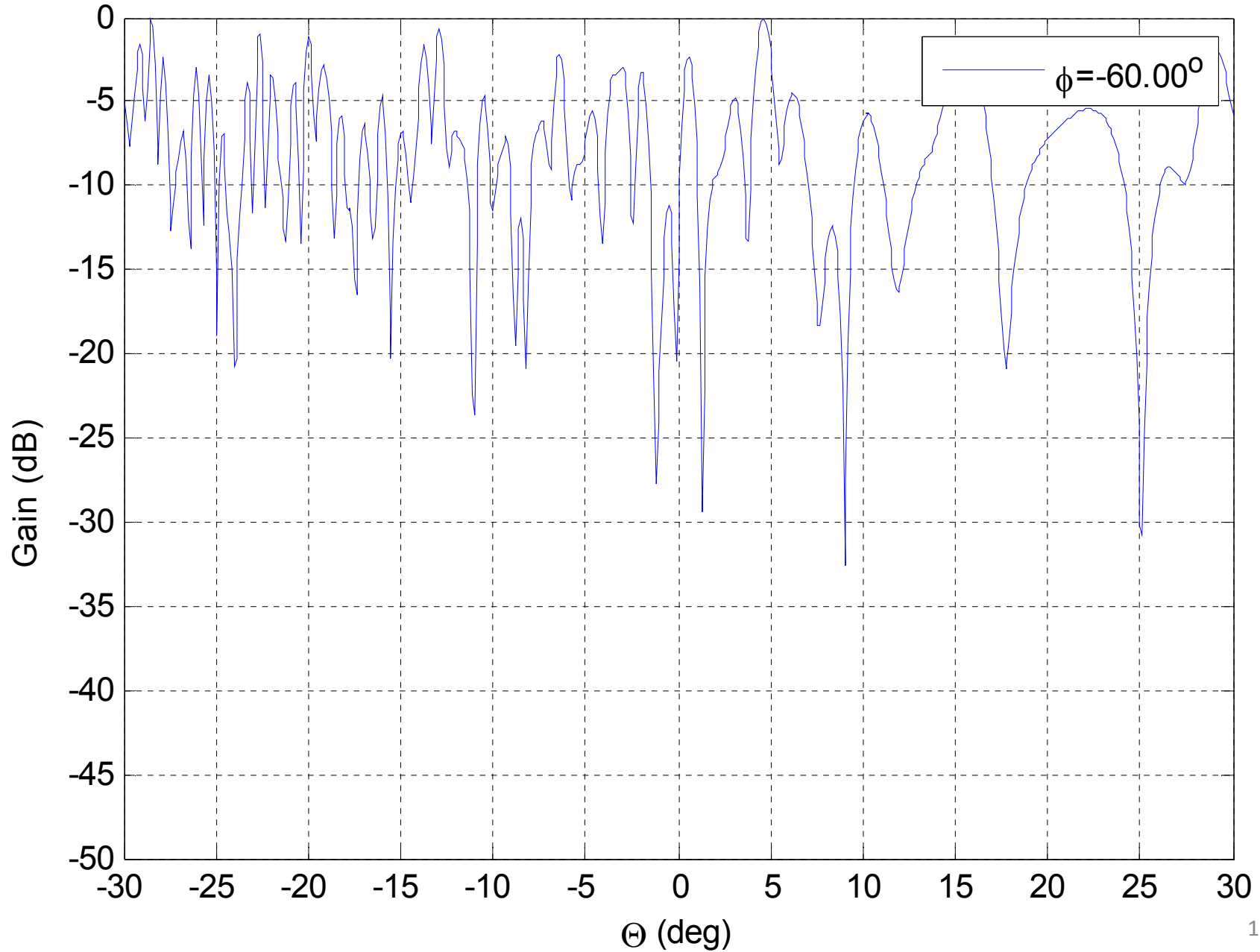
Input file: tx-17.3-lhcp-60.cut, Peak: -23.39 dB, Date: 2-Sep-2016



# RHCP at 17.5 GHz

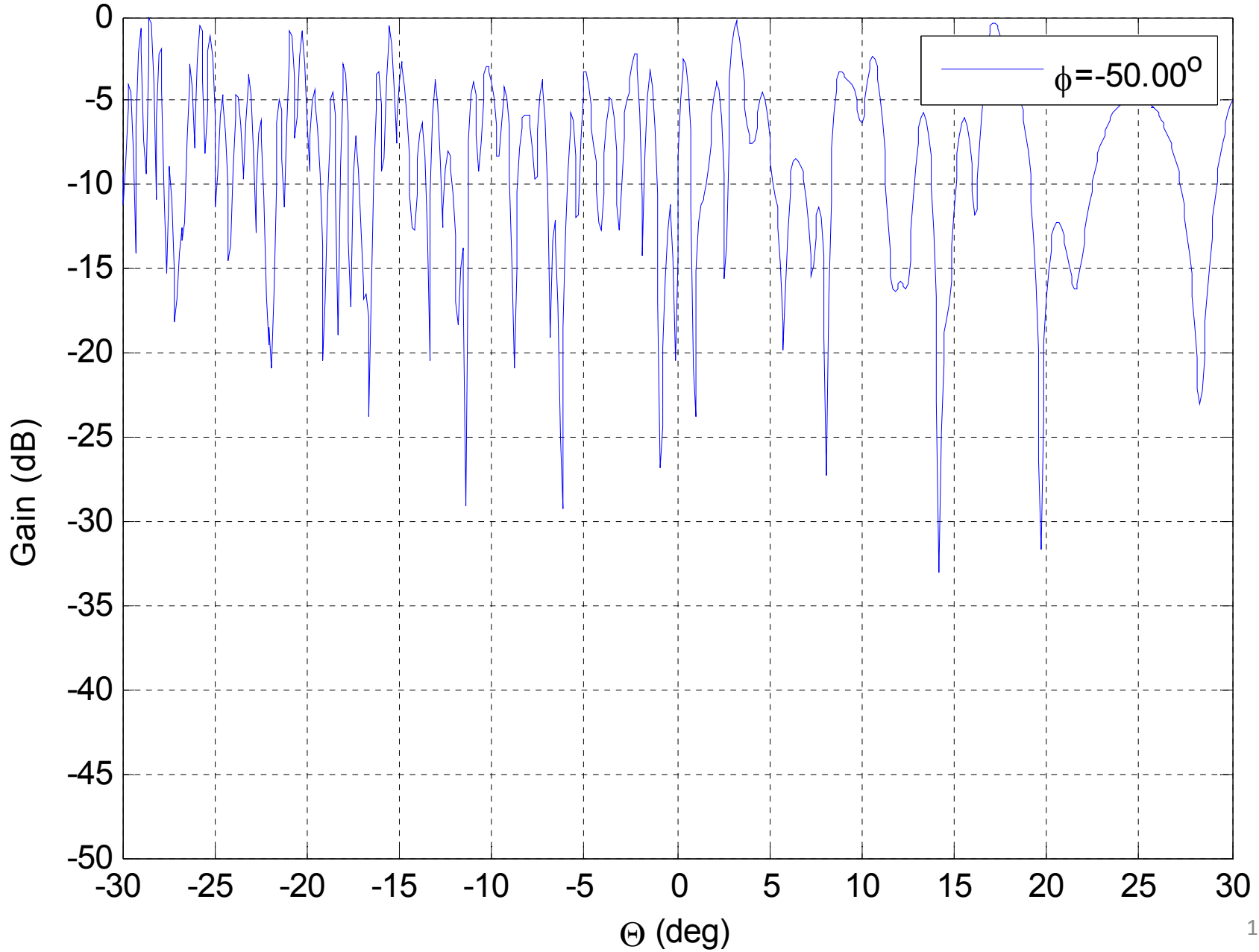
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-60.cut, Peak: -24.49 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

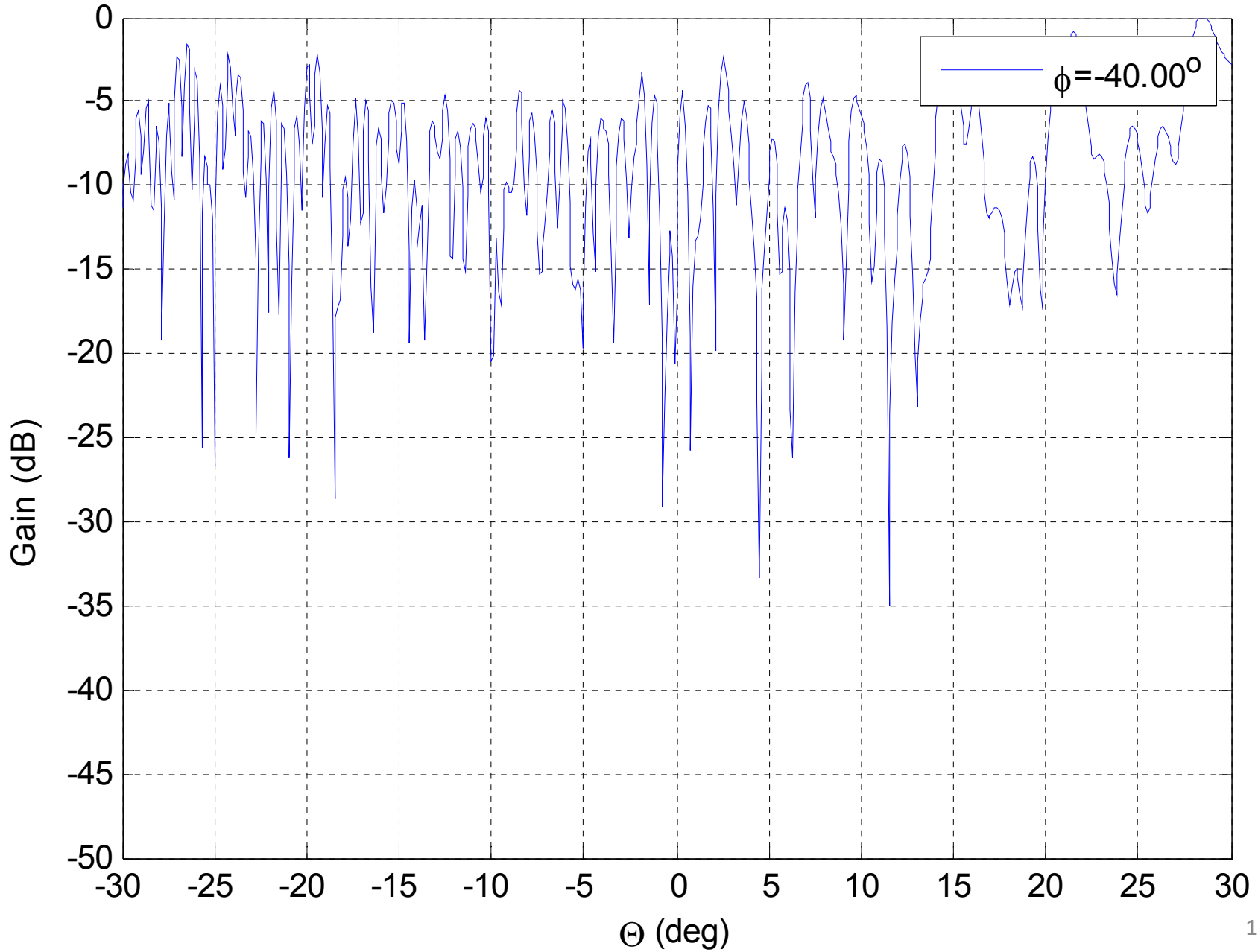
Input file: tx-17.5-rhcp--50.cut, Peak: -24.37 dB, Date: 2-Sep-2016





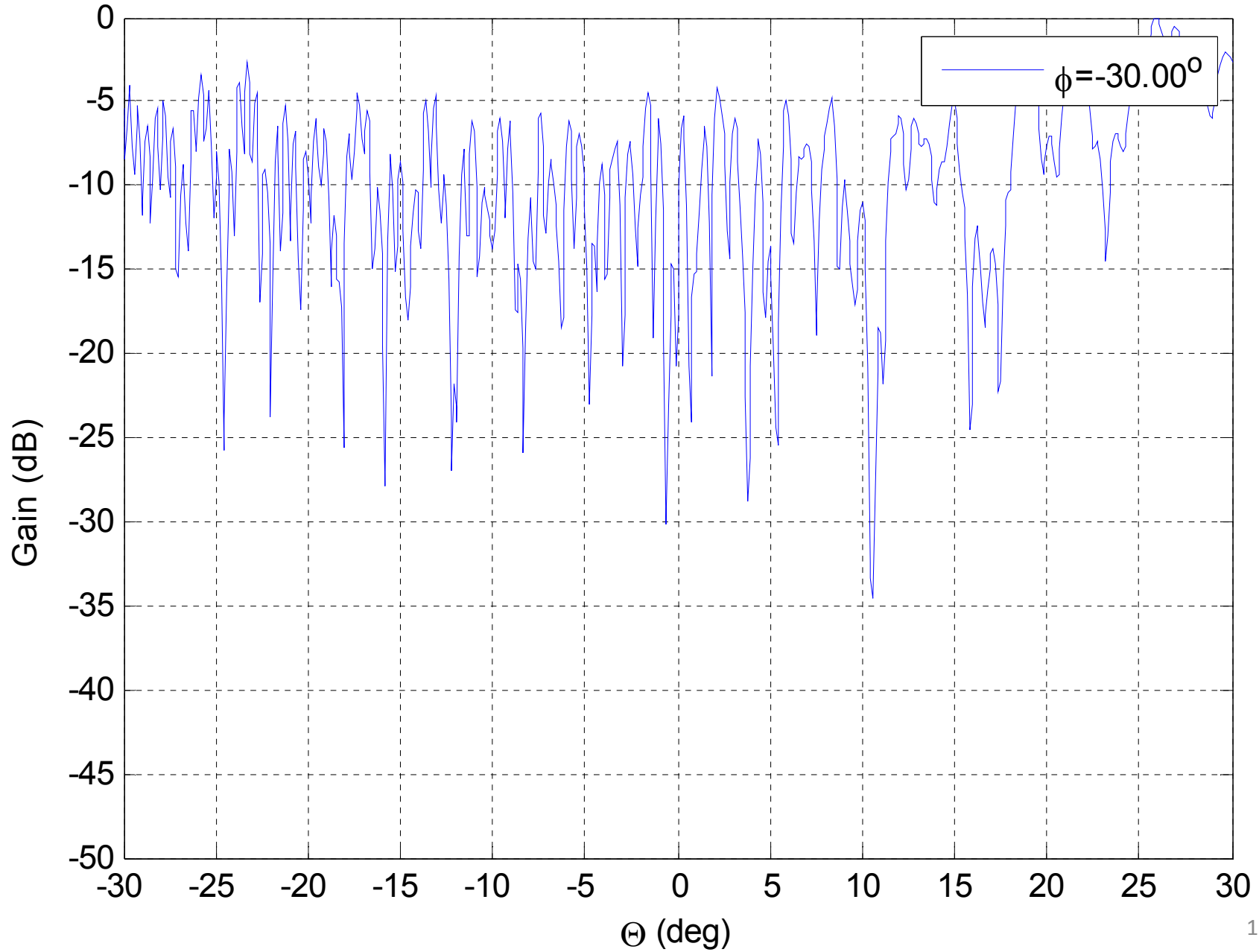
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-40.cut, Peak: -22.67 dB, Date: 2-Sep-2016



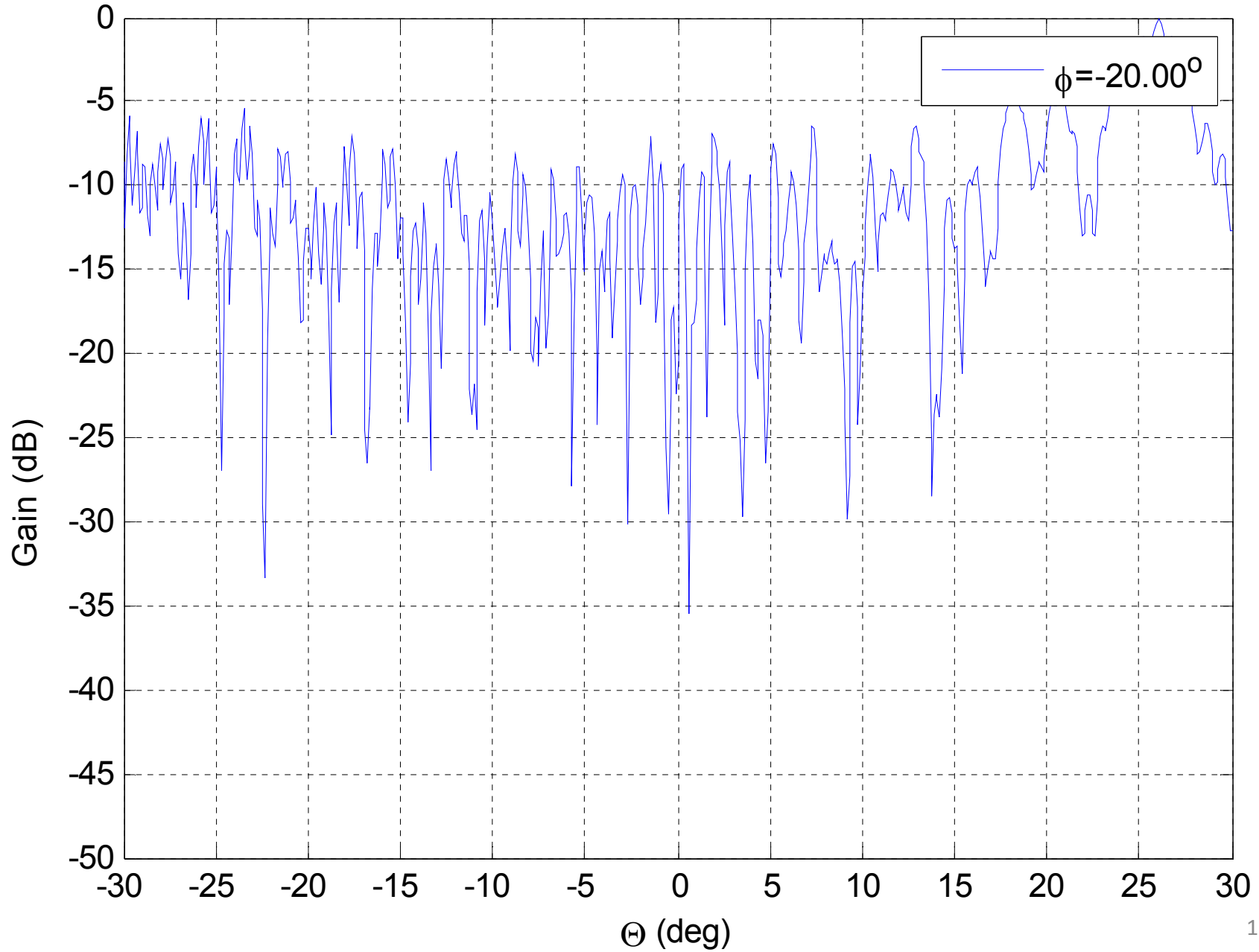
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-30.cut, Peak: -21.10 dB, Date: 2-Sep-2016



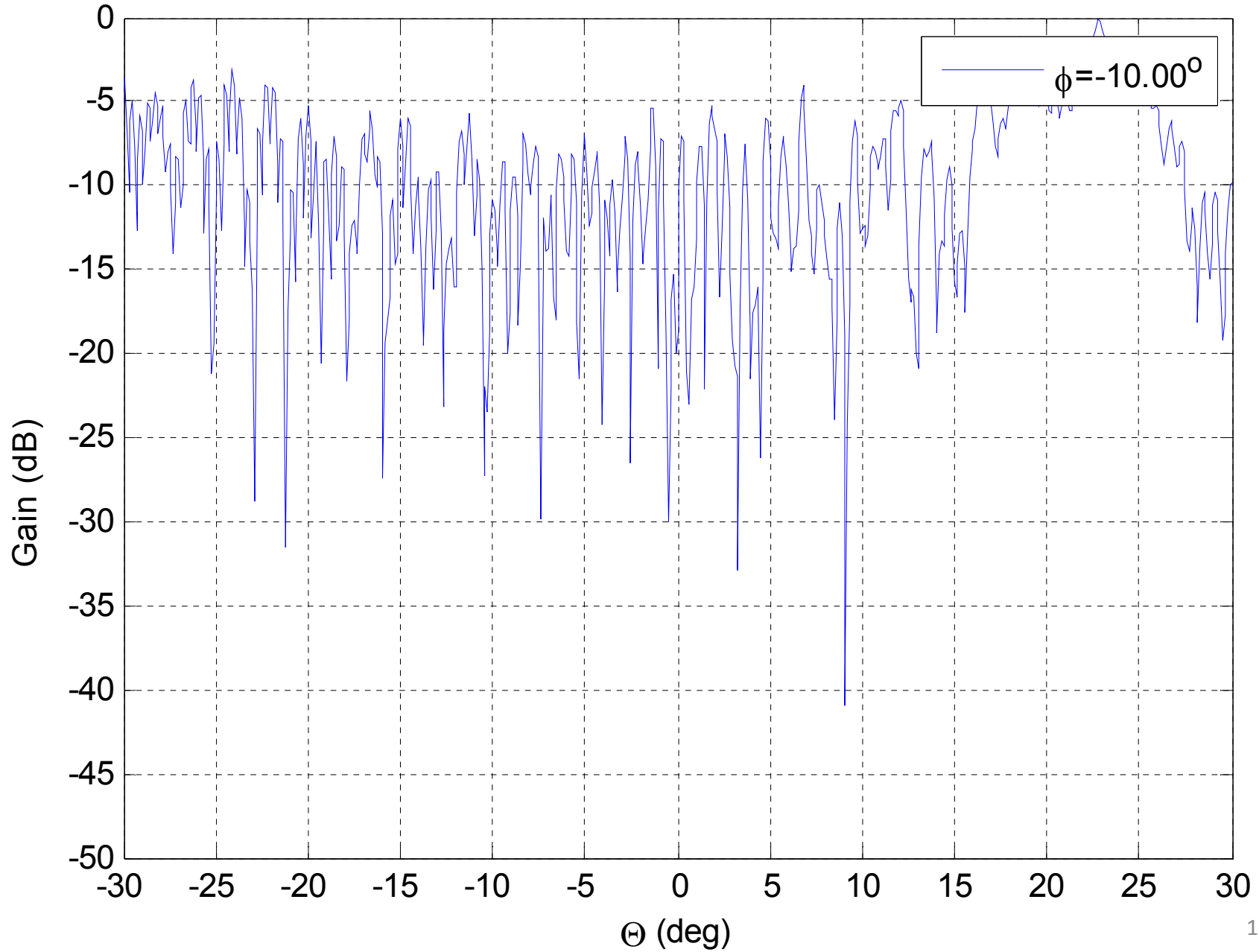
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-20.cut, Peak: -18.38 dB, Date: 2-Sep-2016



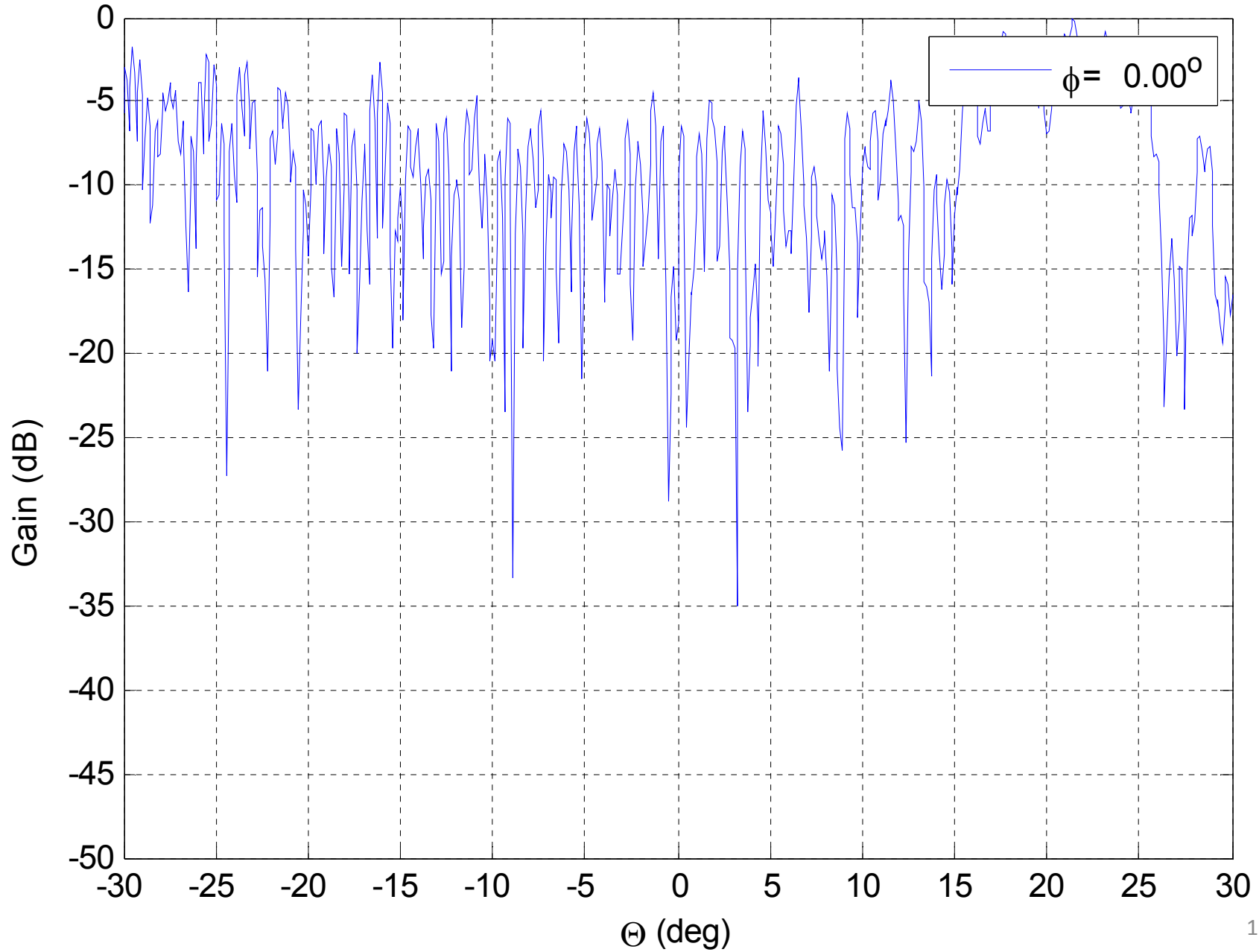
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp--10.cut, Peak: -20.12 dB, Date: 2-Sep-2016



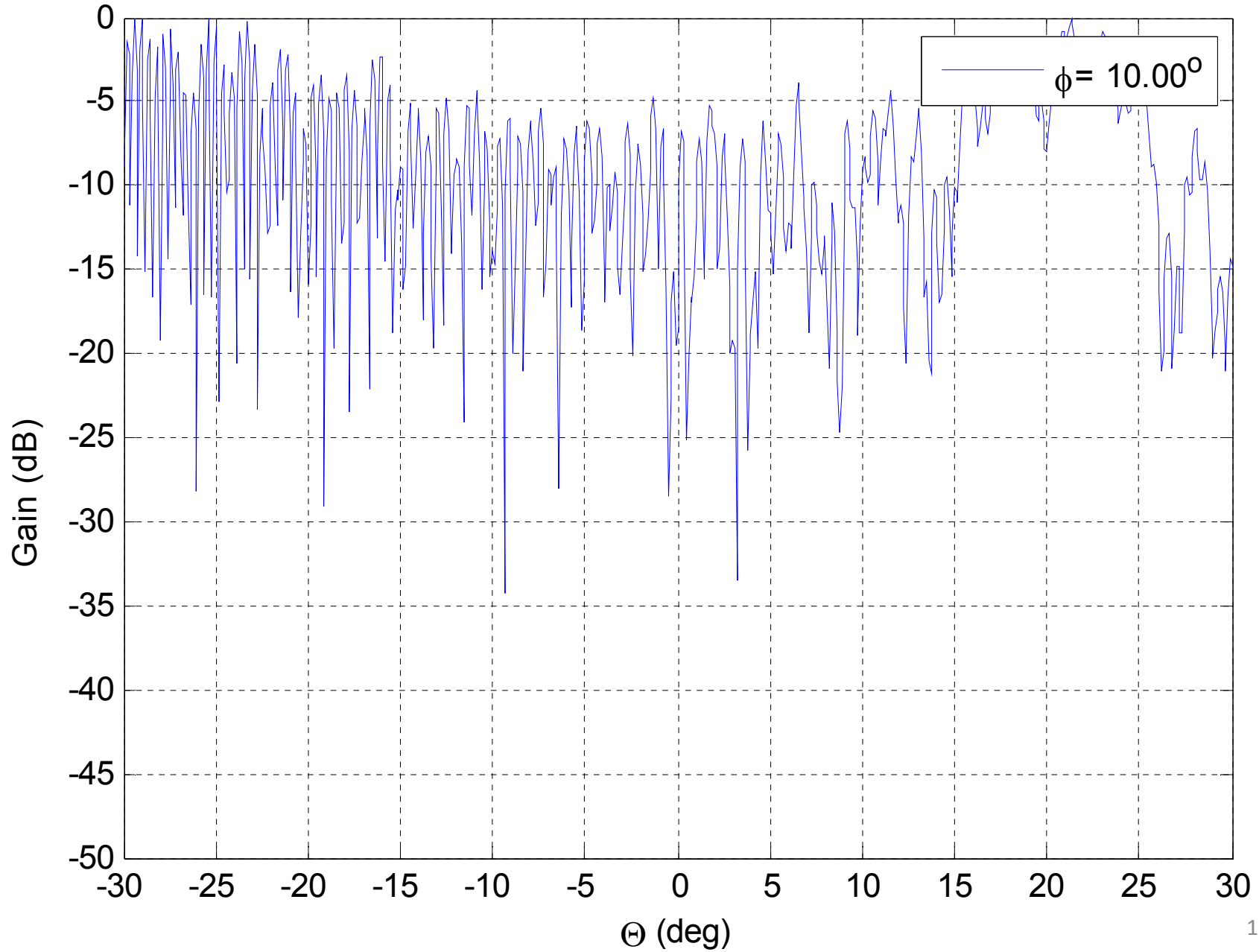
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-0.cut, Peak: -20.60 dB, Date: 2-Sep-2016



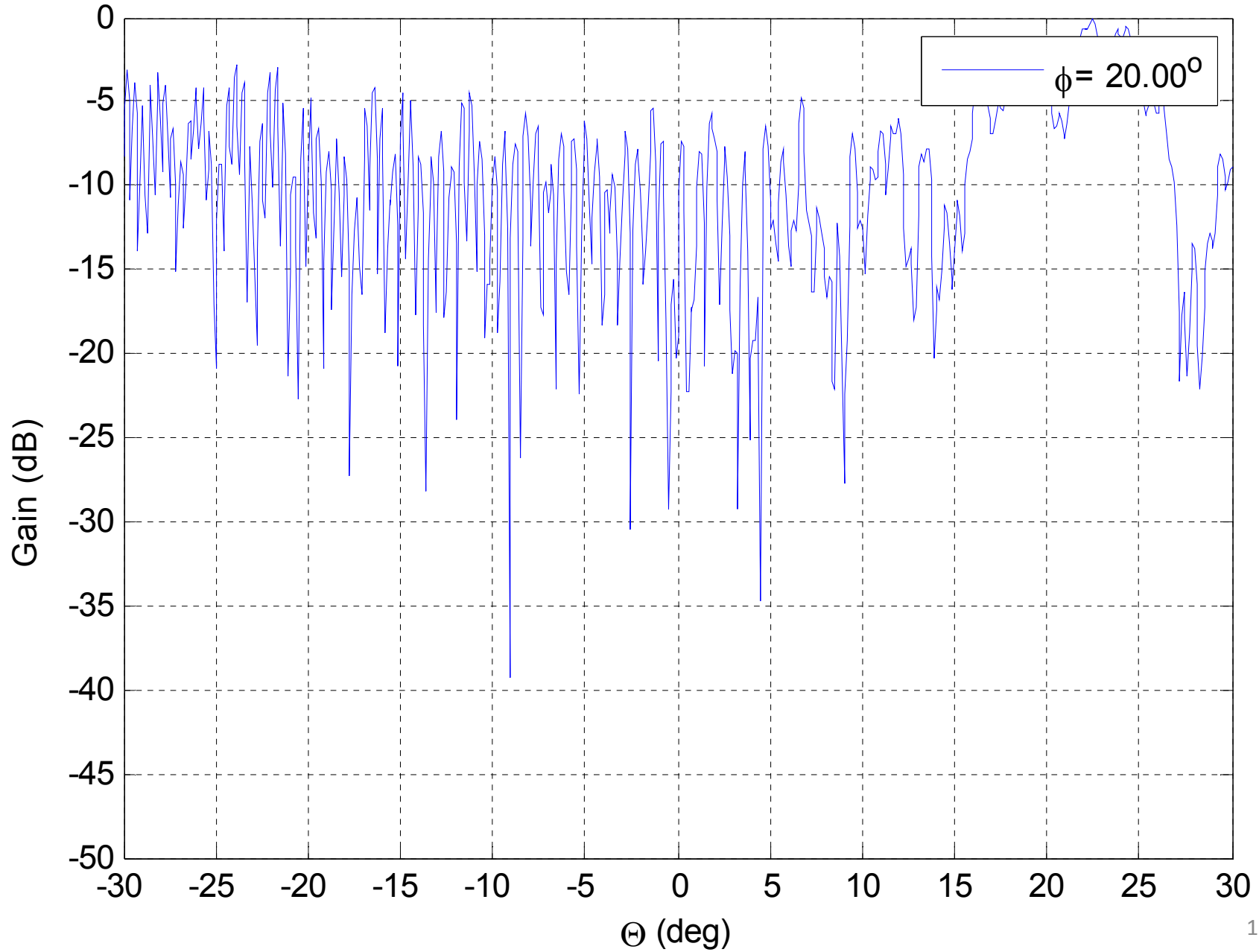
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-10.cut, Peak: -20.29 dB, Date: 2-Sep-2016



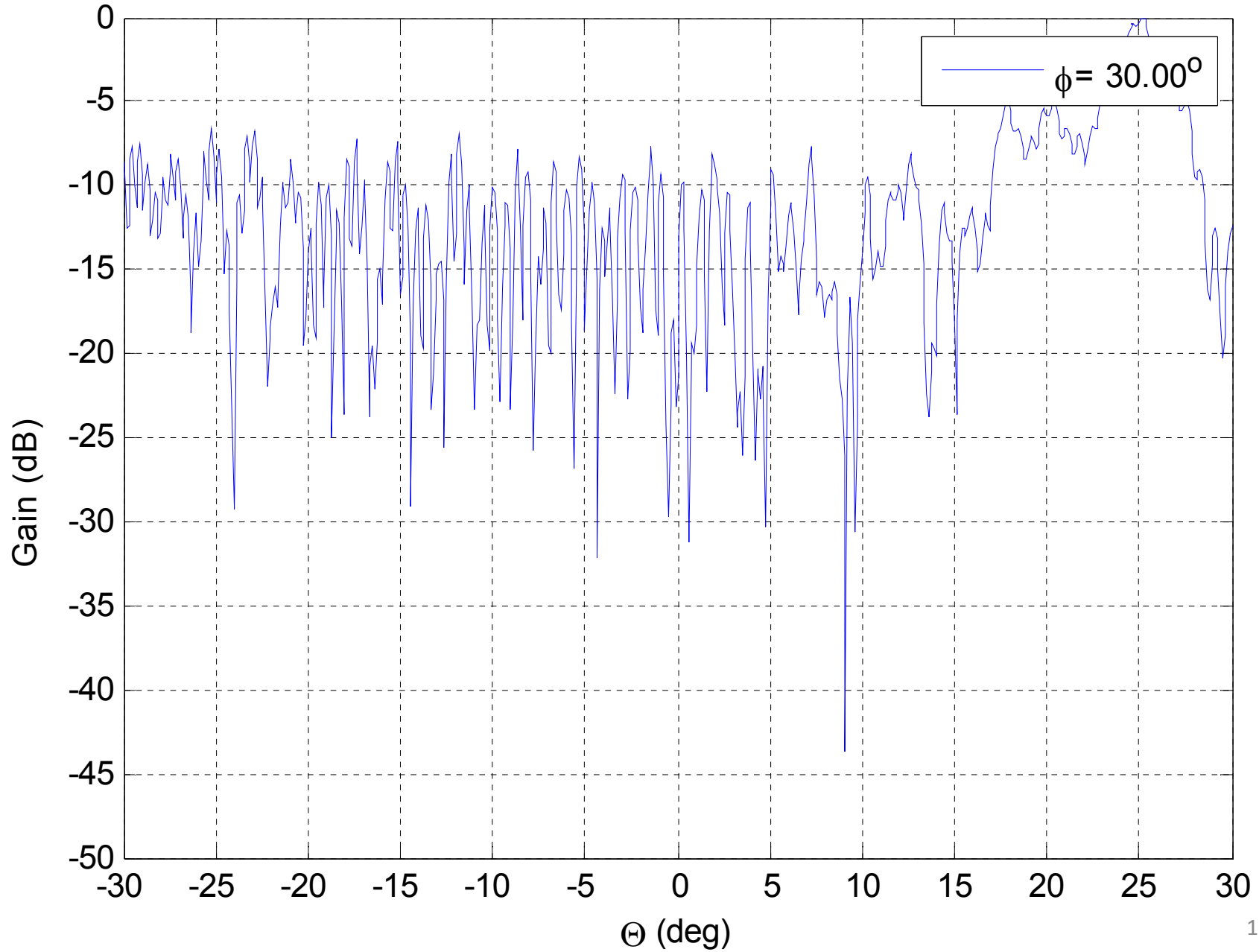
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-20.cut, Peak: -19.83 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

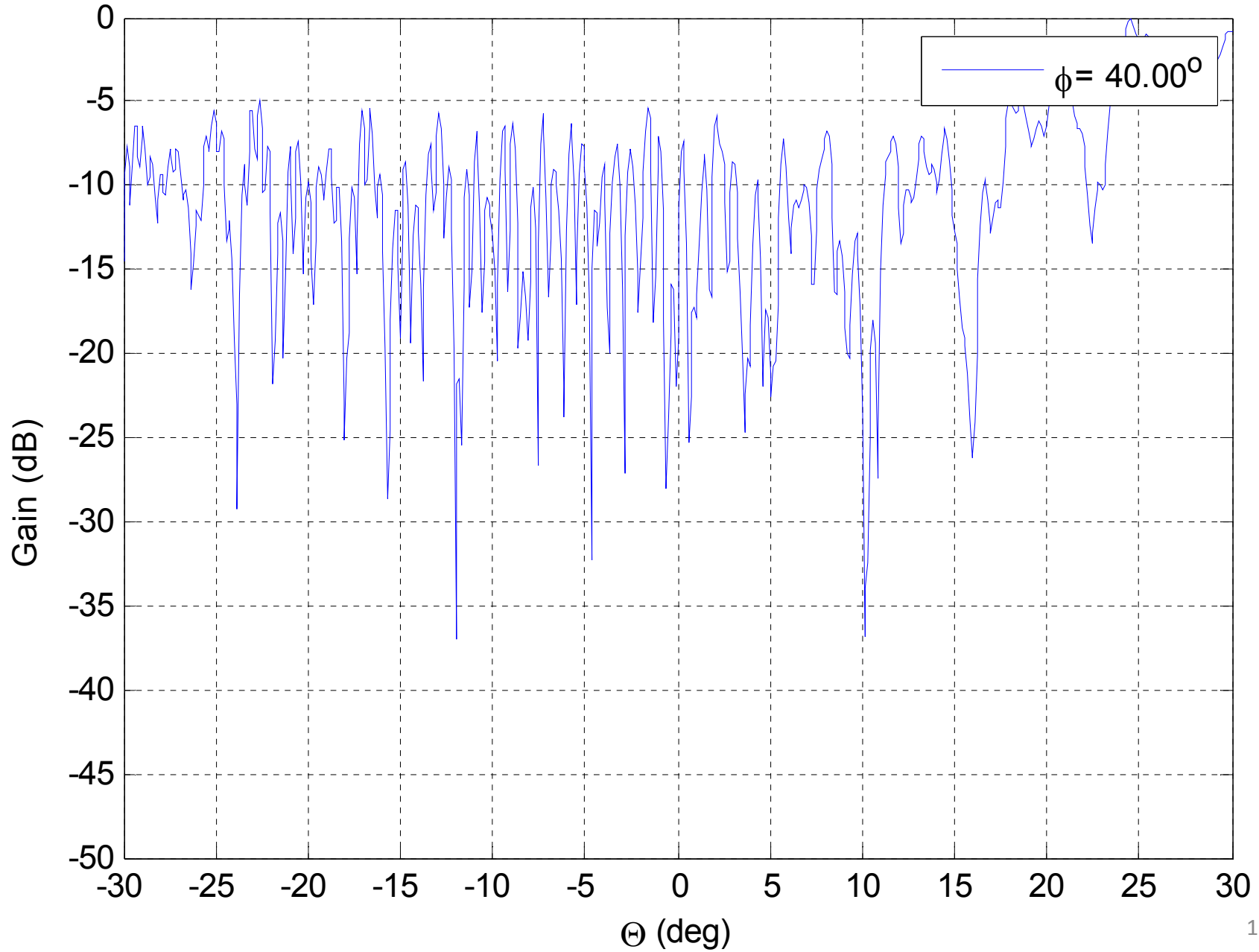
Input file: tx-17.5-rhcp-30.cut, Peak: -17.48 dB, Date: 2-Sep-2016





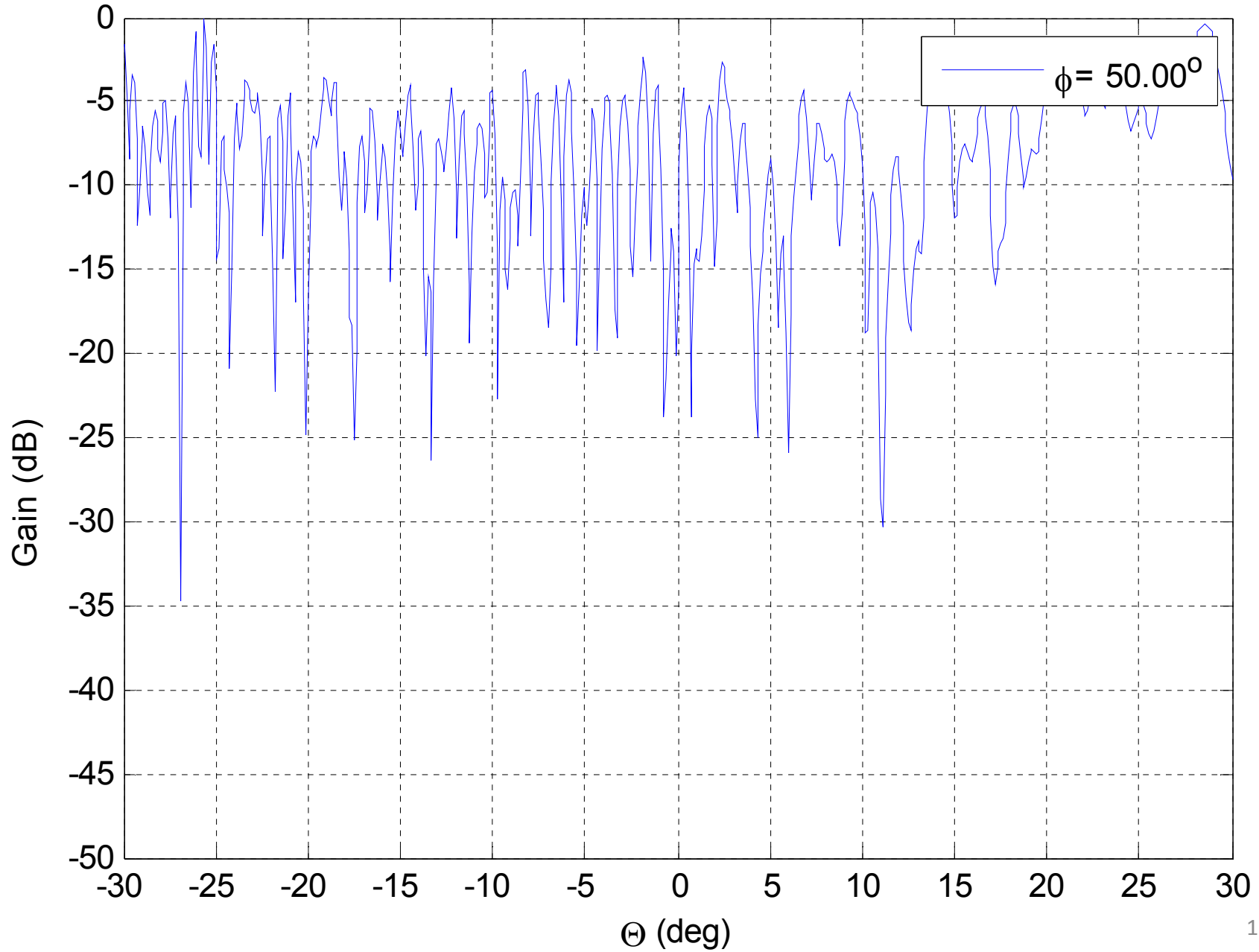
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-40.cut, Peak: -19.67 dB, Date: 2-Sep-2016



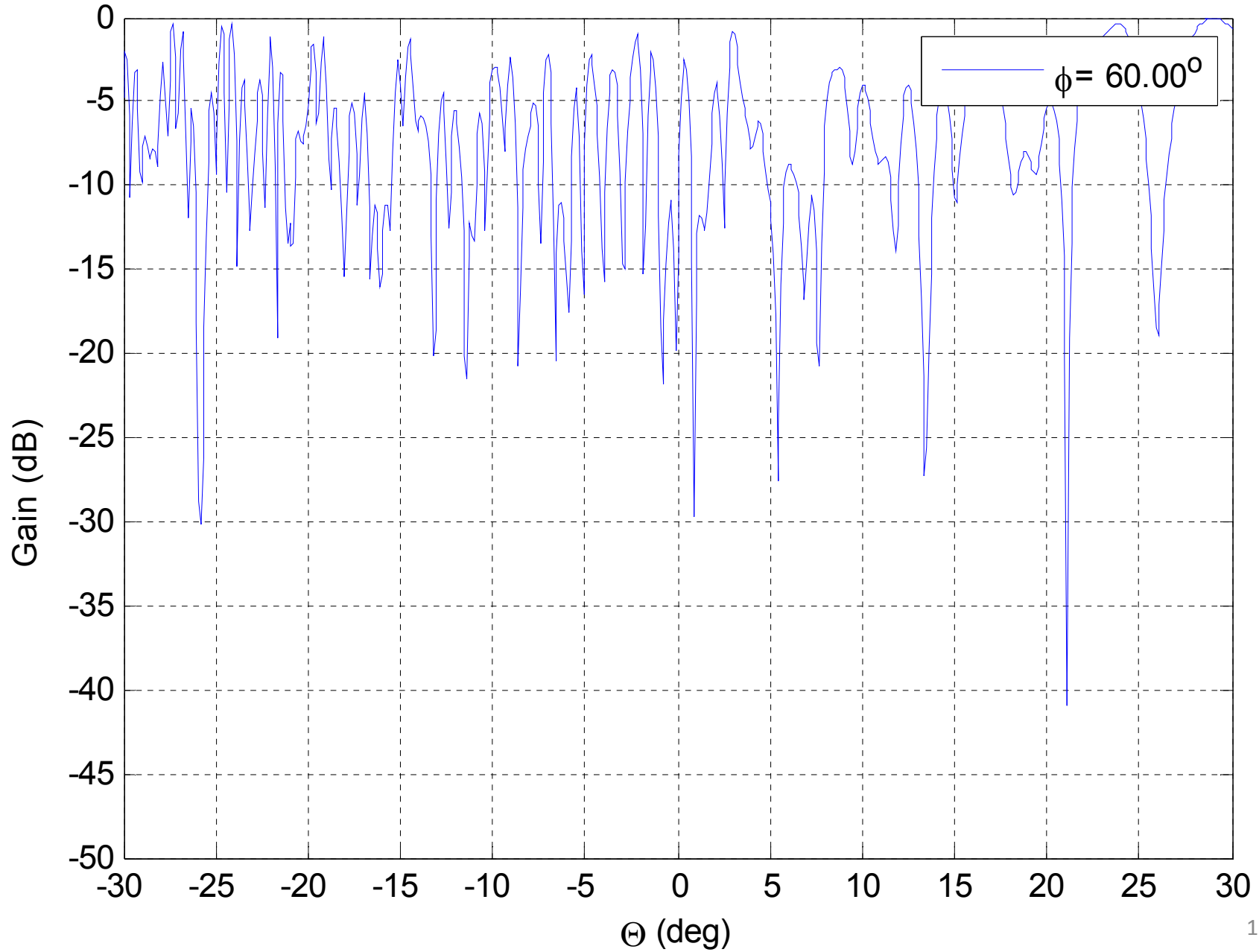
# Normalized pattern cuts - farfield

Input file: tx-17.5-rhcp-50.cut, Peak: -22.81 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

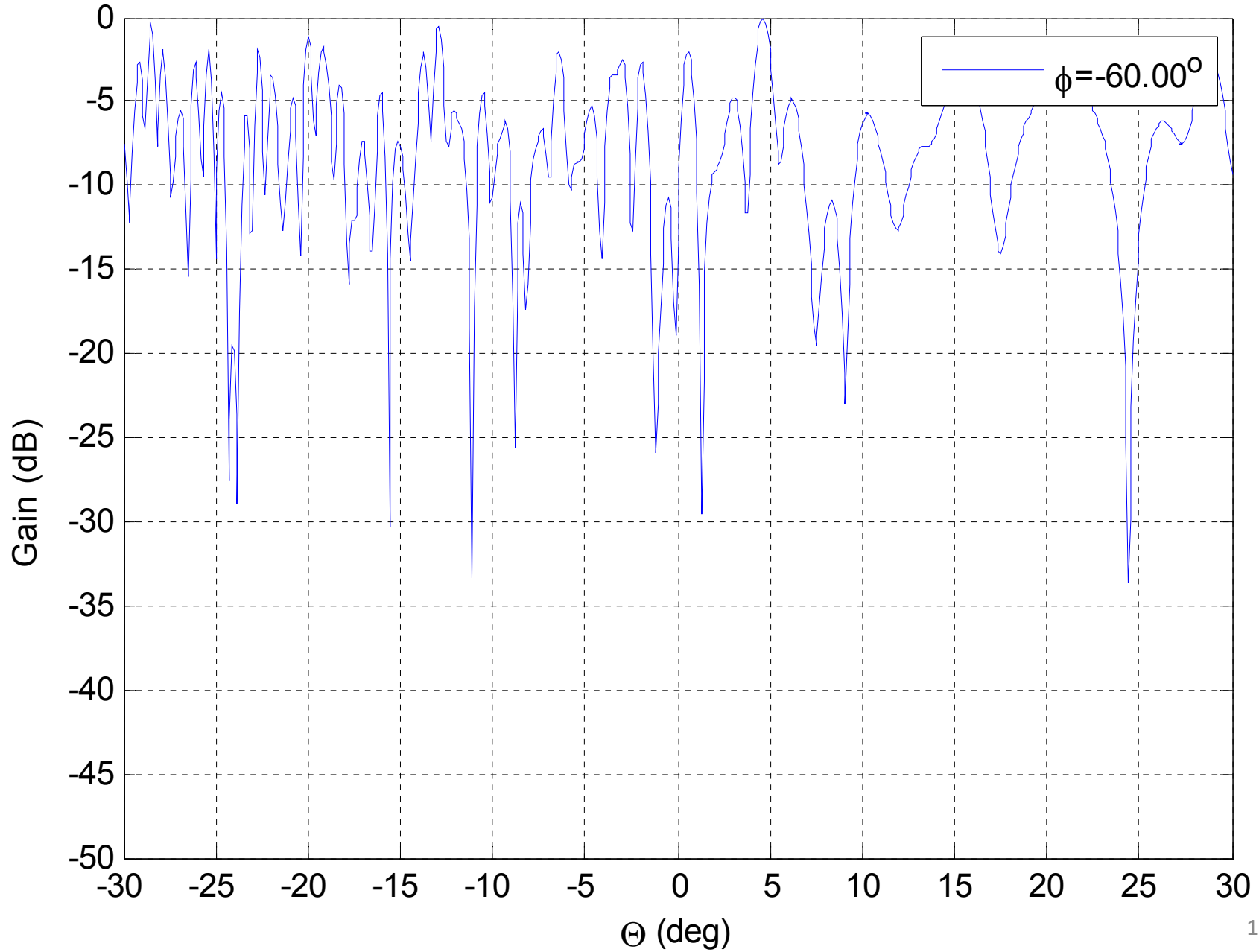
Input file: tx-17.5-rhcp-60.cut, Peak: -24.53 dB, Date: 2-Sep-2016



# LHCP at 17.5 GHz

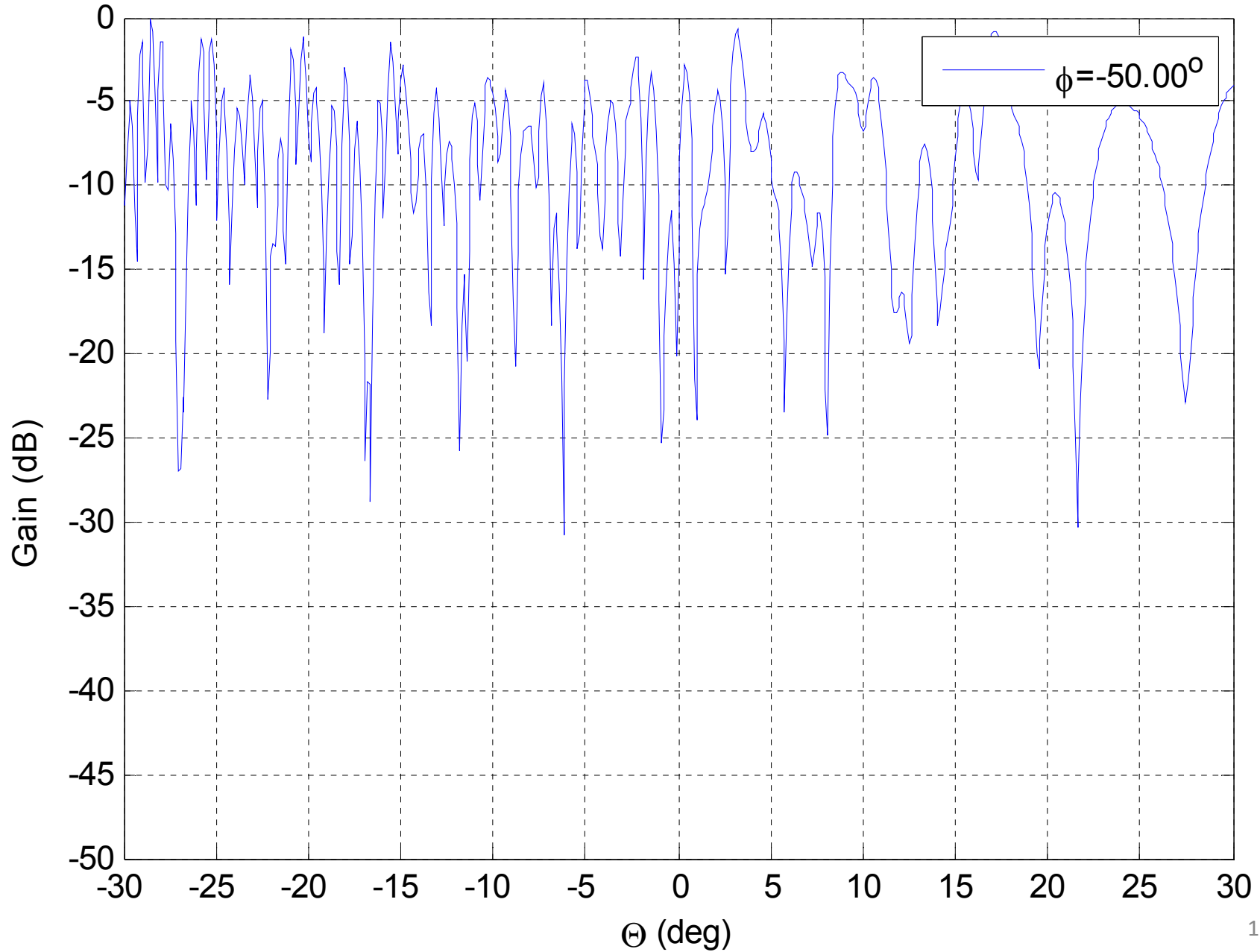
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-60.cut, Peak: -24.65 dB, Date: 2-Sep-2016



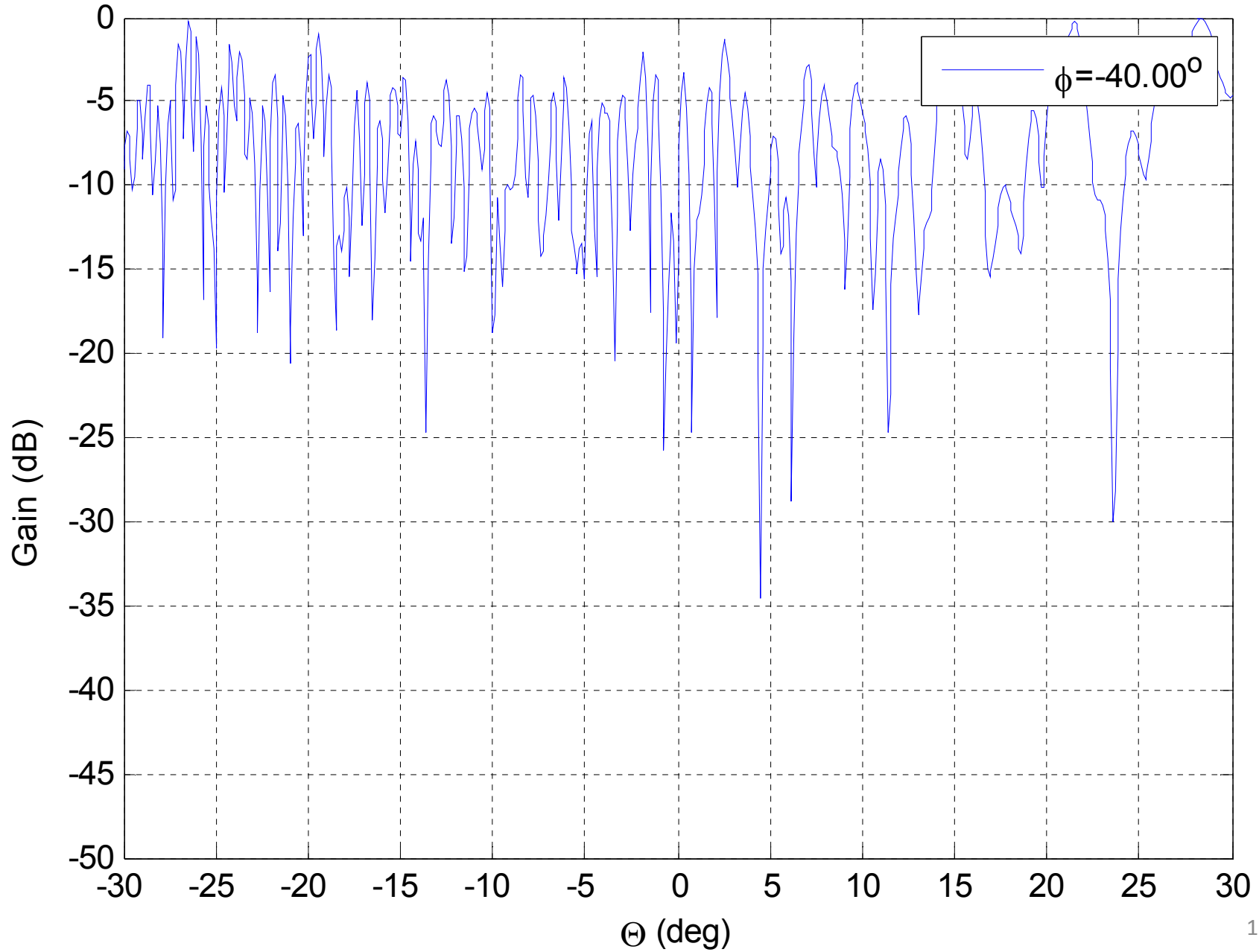
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-50.cut, Peak: -23.91 dB, Date: 2-Sep-2016



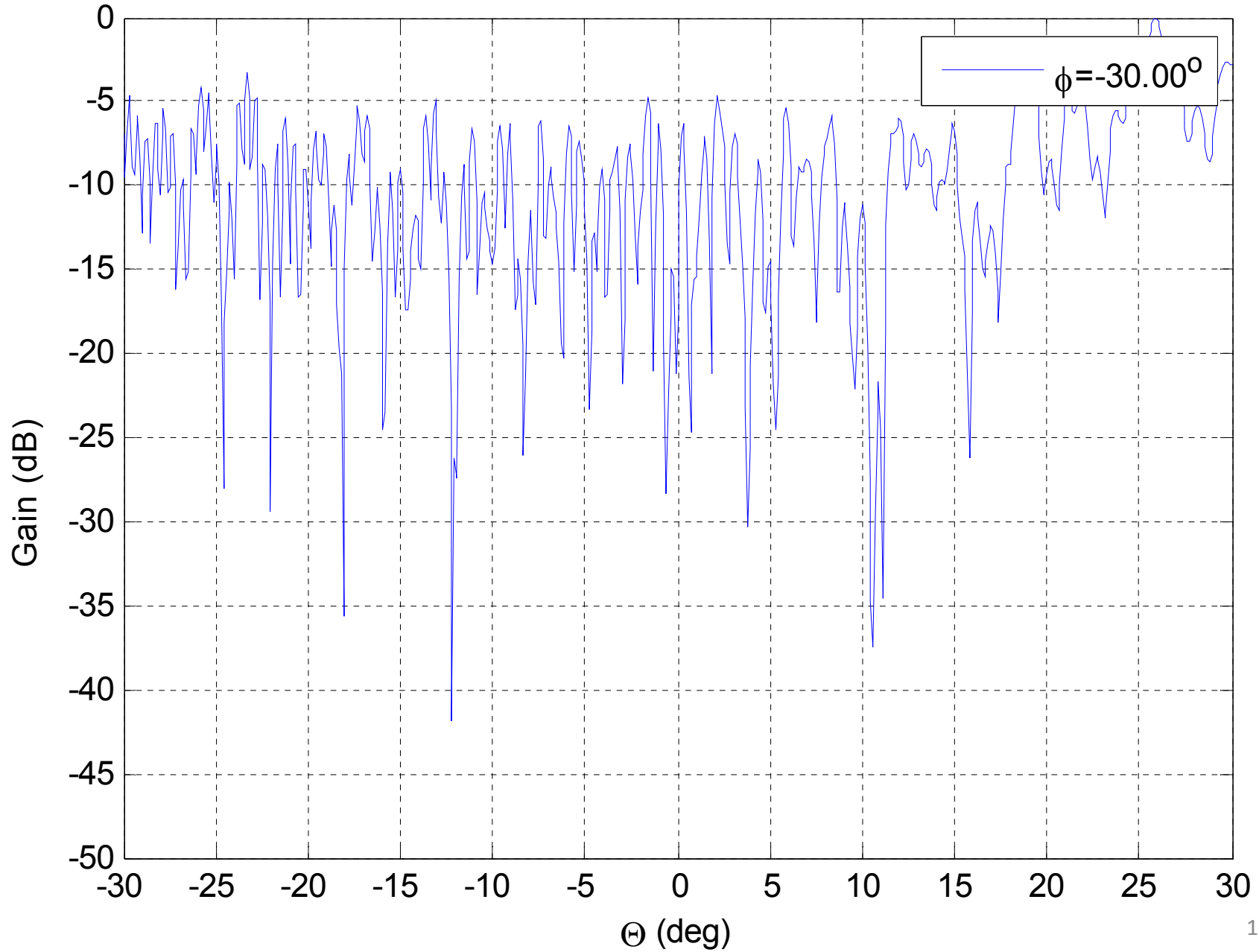
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-40.cut, Peak: -23.62 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

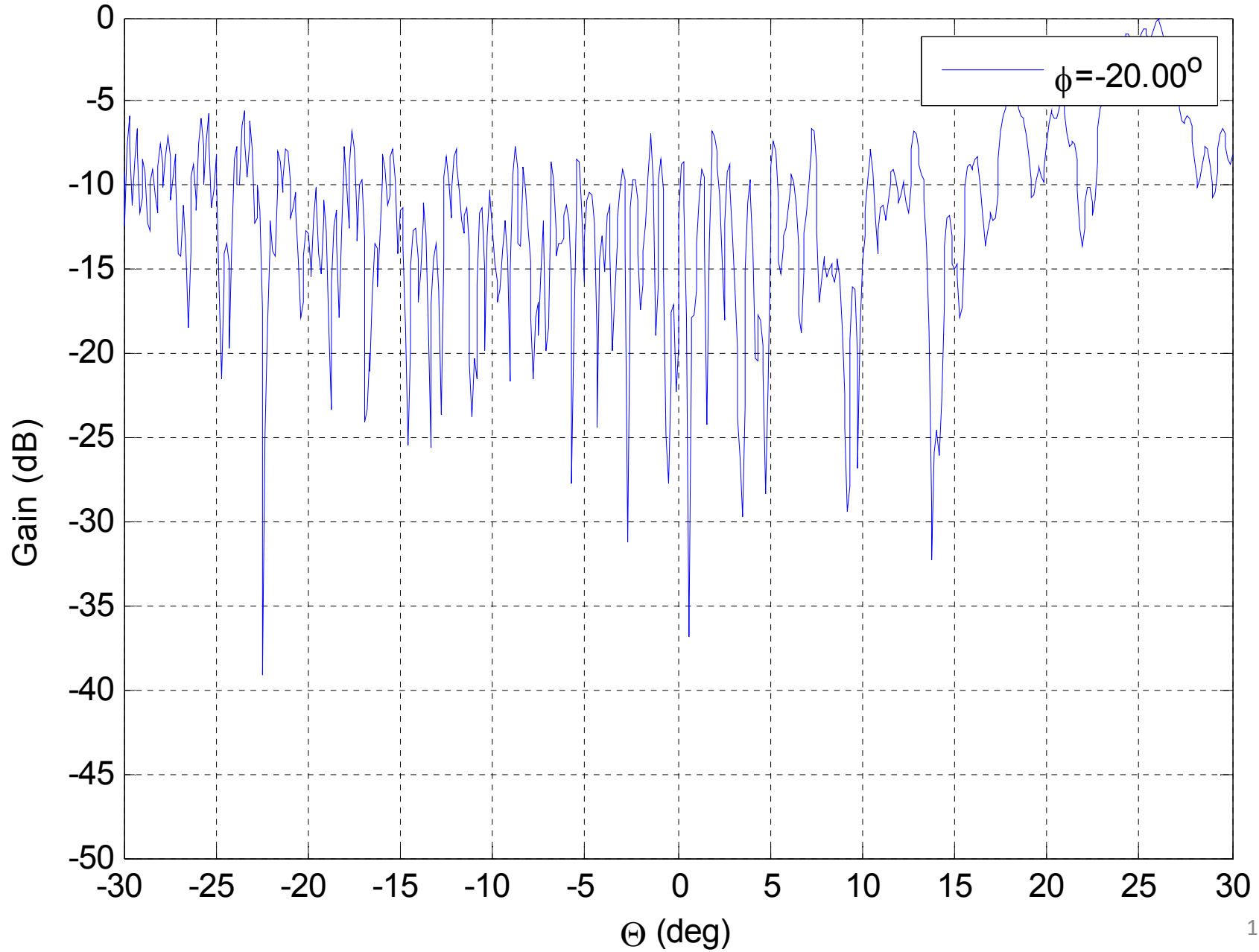
Input file: tx-17.5-lhcp--30.cut, Peak: -20.49 dB, Date: 2-Sep-2016





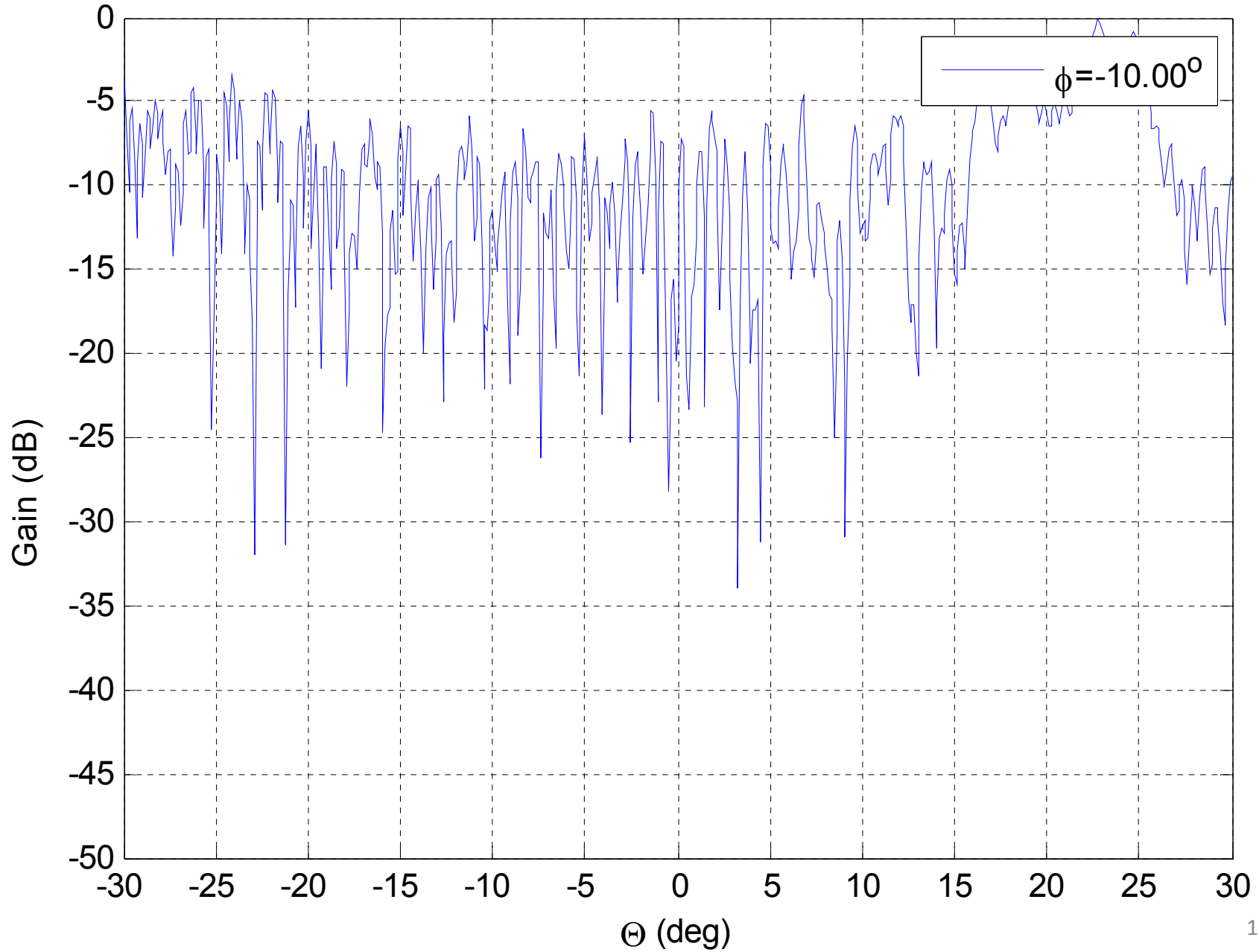
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-20.cut, Peak: -18.43 dB, Date: 2-Sep-2016



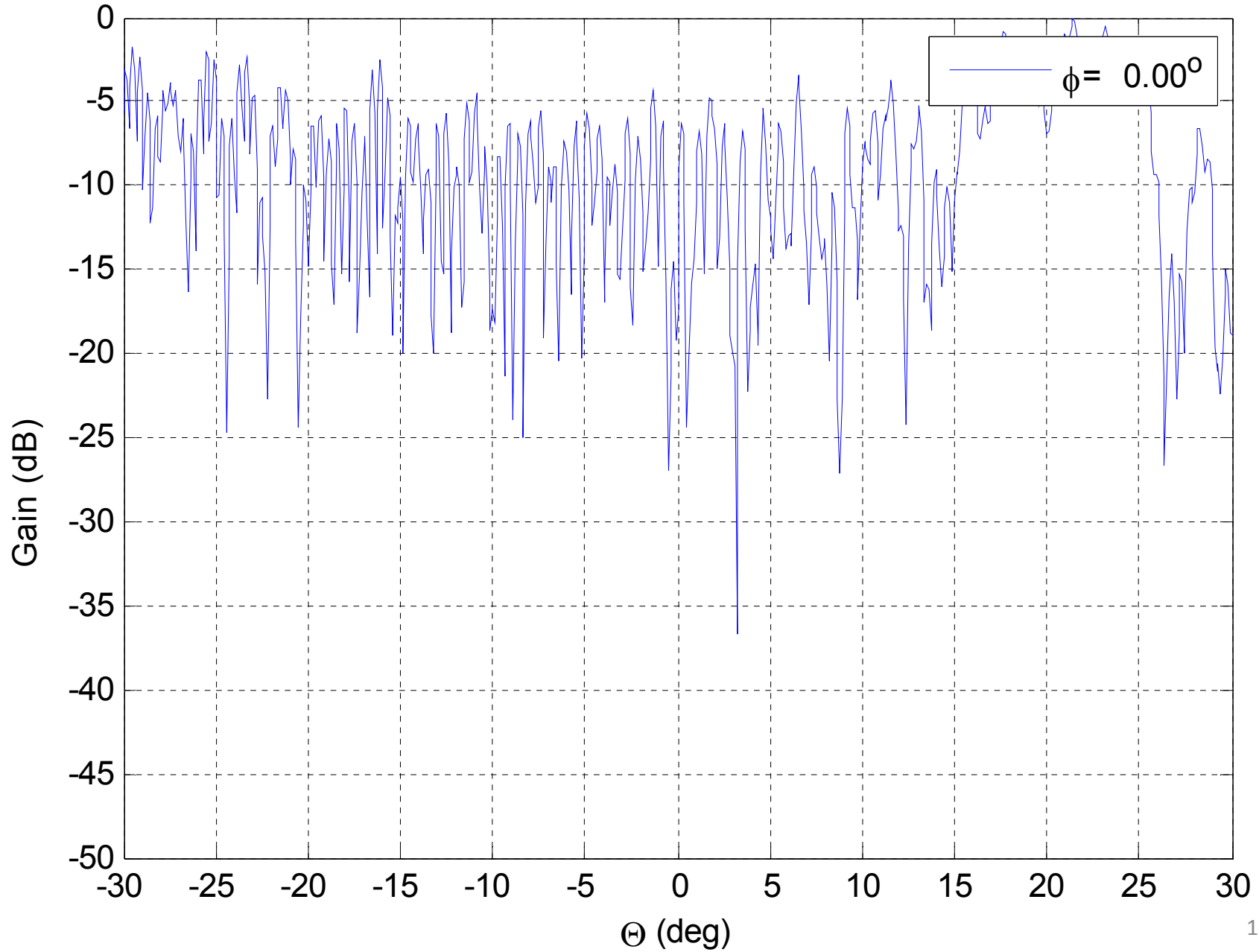
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-10.cut, Peak: -19.71 dB, Date: 2-Sep-2016



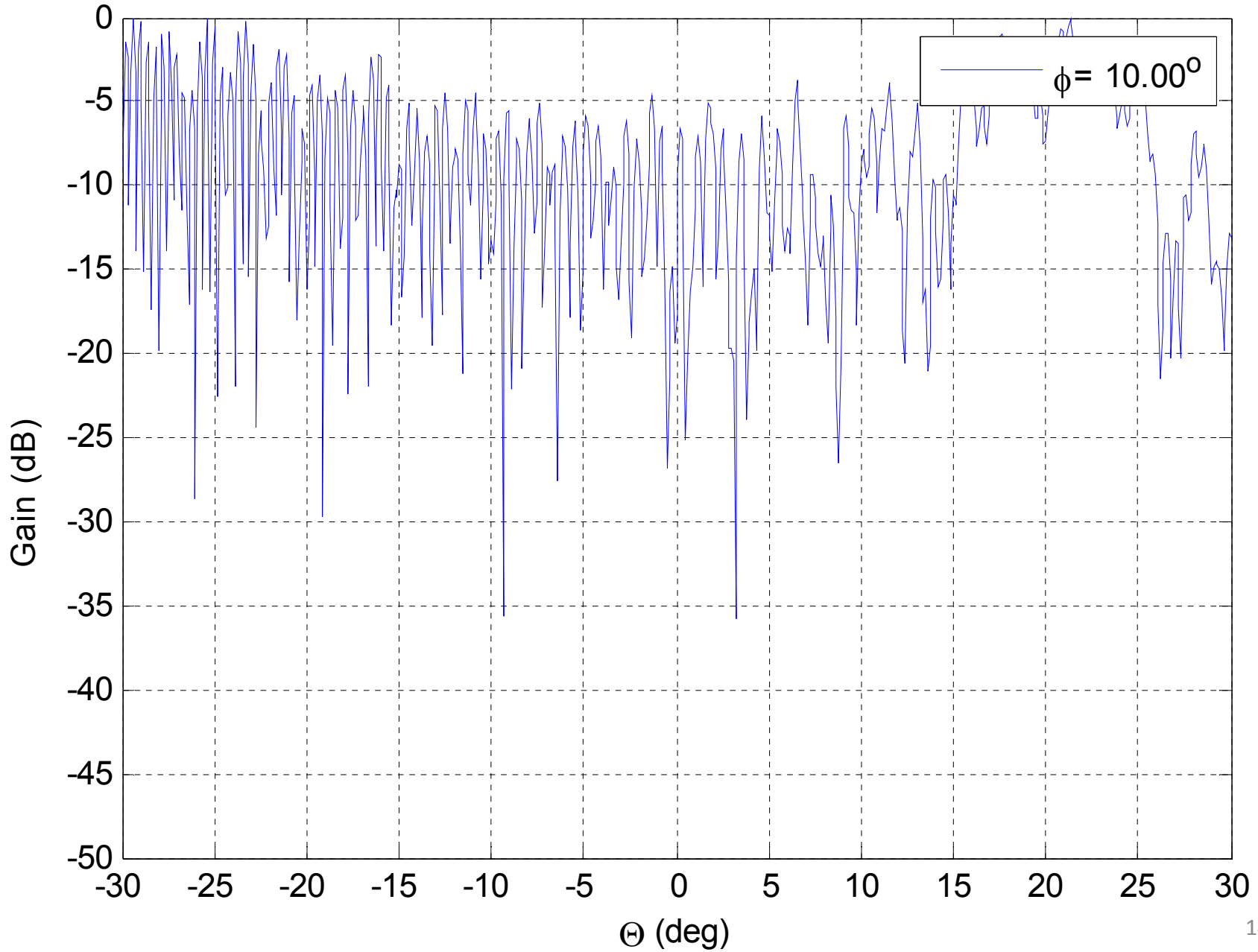
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-0.cut, Peak: -20.65 dB, Date: 2-Sep-2016



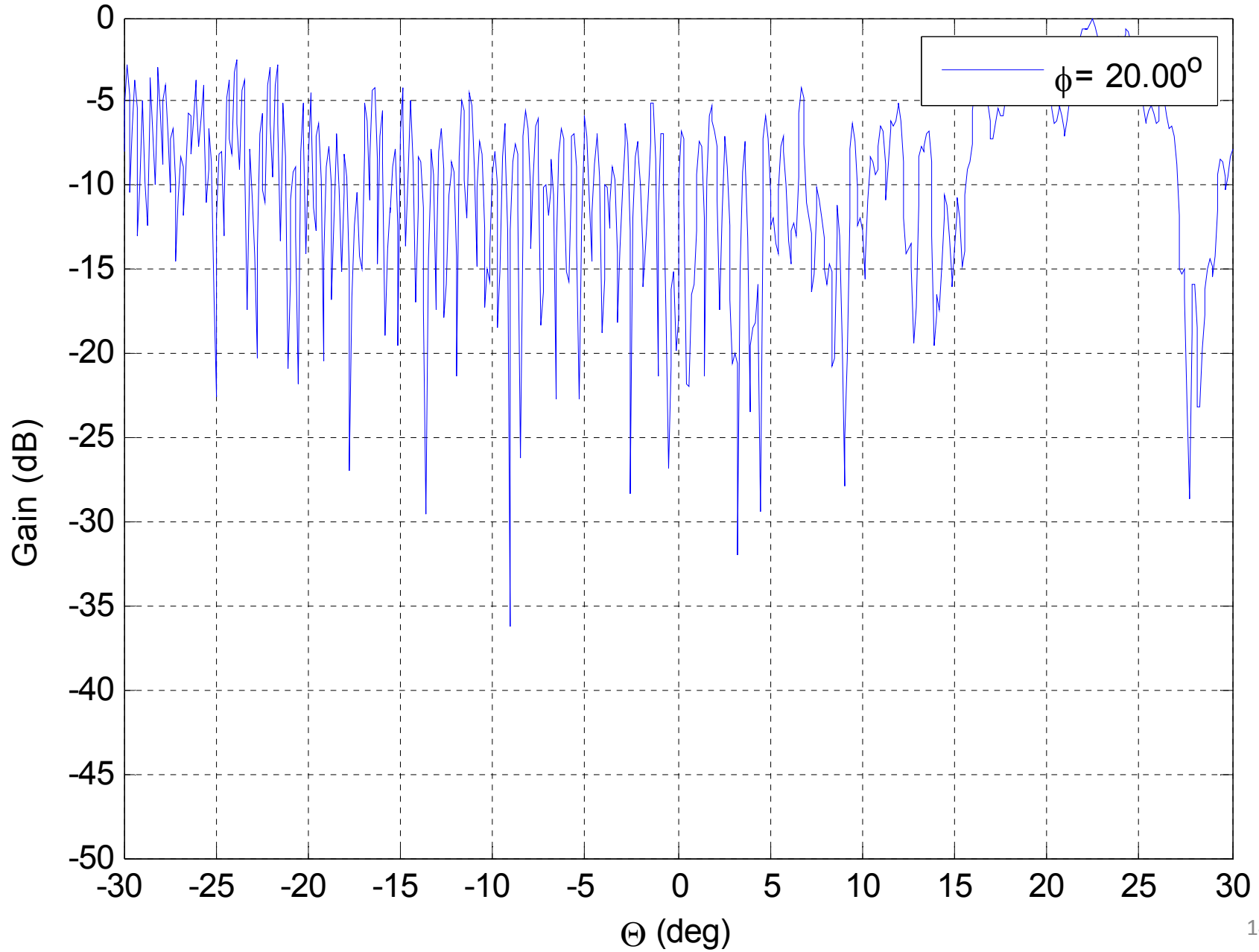
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-10.cut, Peak: -20.34 dB, Date: 2-Sep-2016



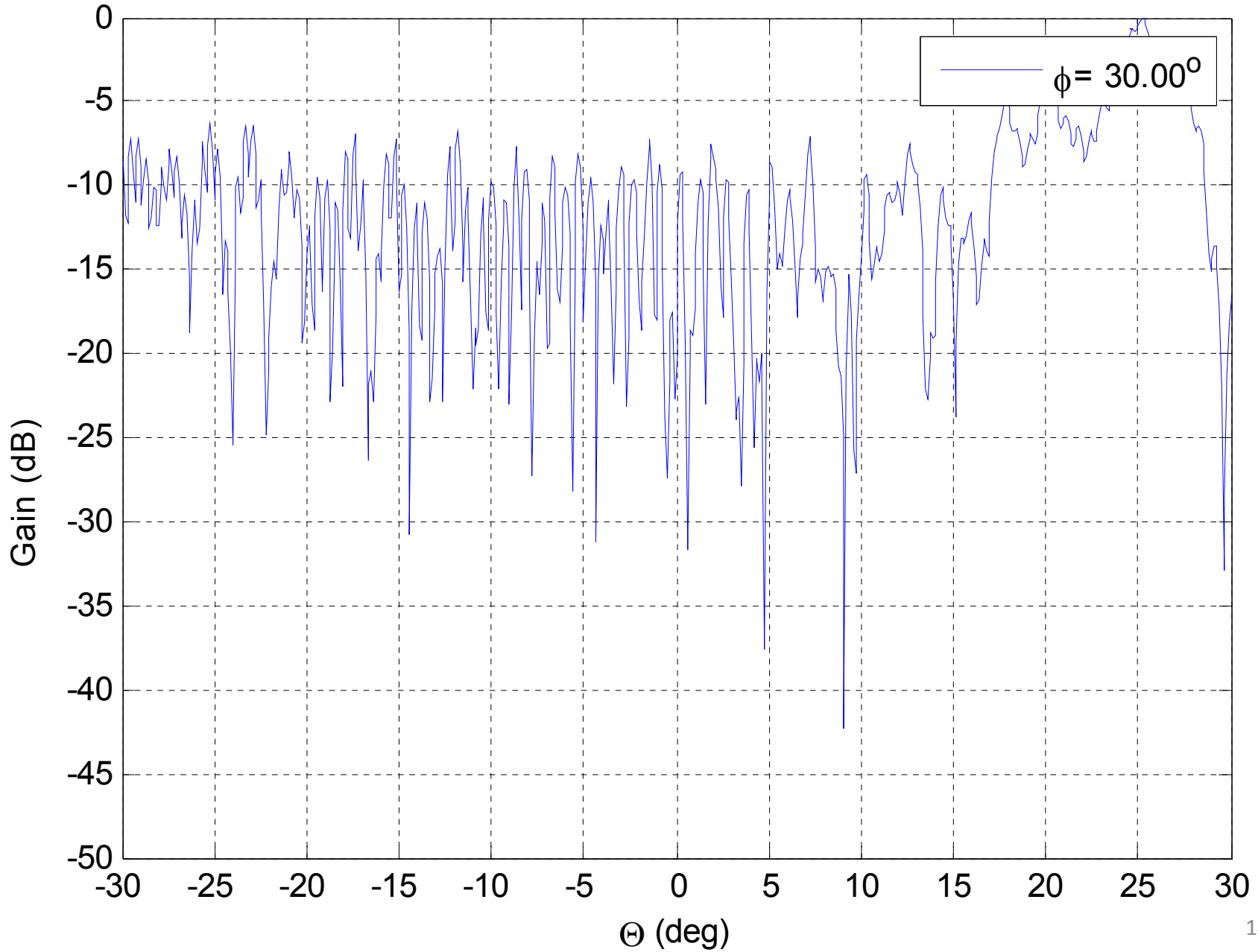
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-20.cut, Peak: -20.17 dB, Date: 2-Sep-2016



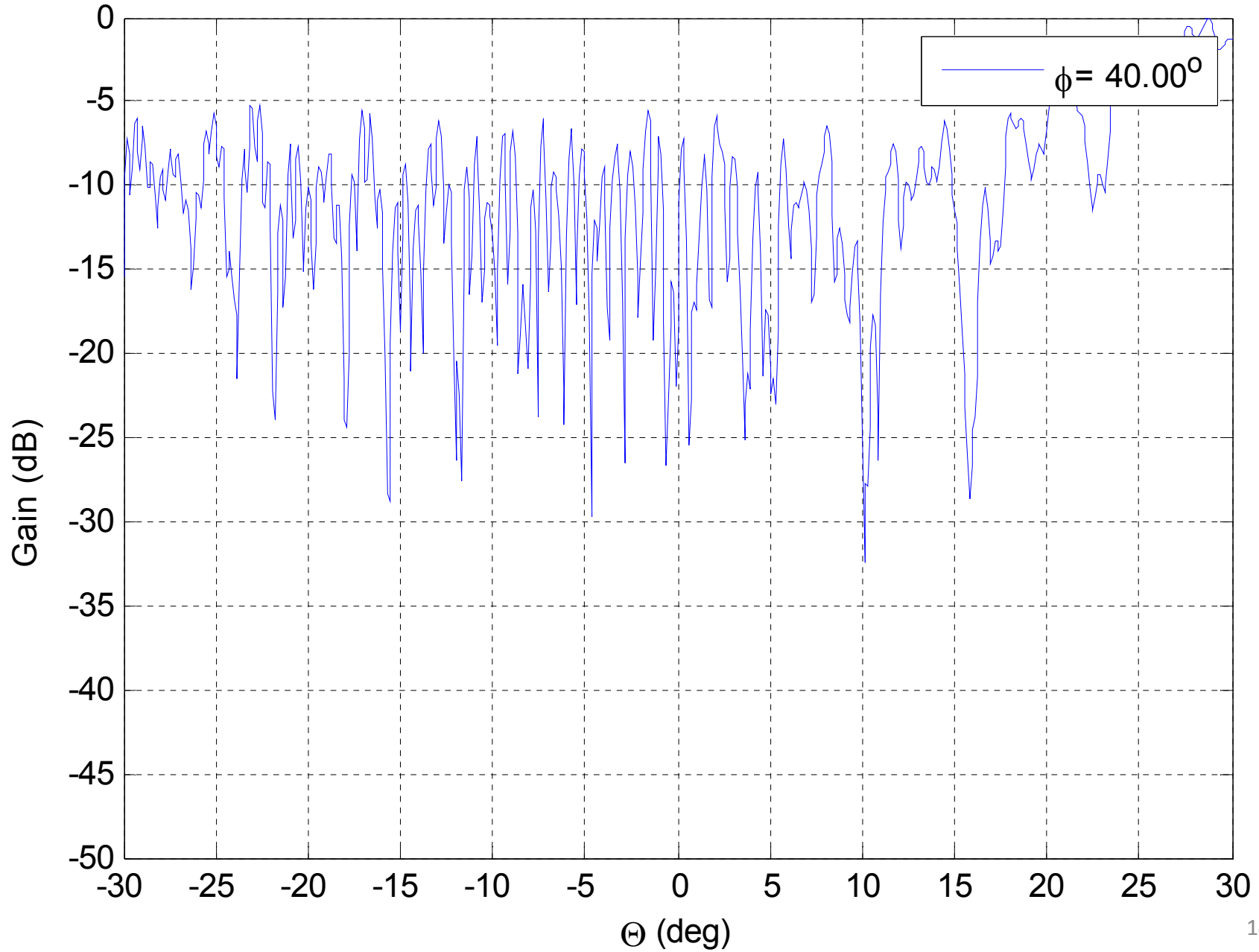
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-30.cut, Peak: -17.87 dB, Date: 2-Sep-2016



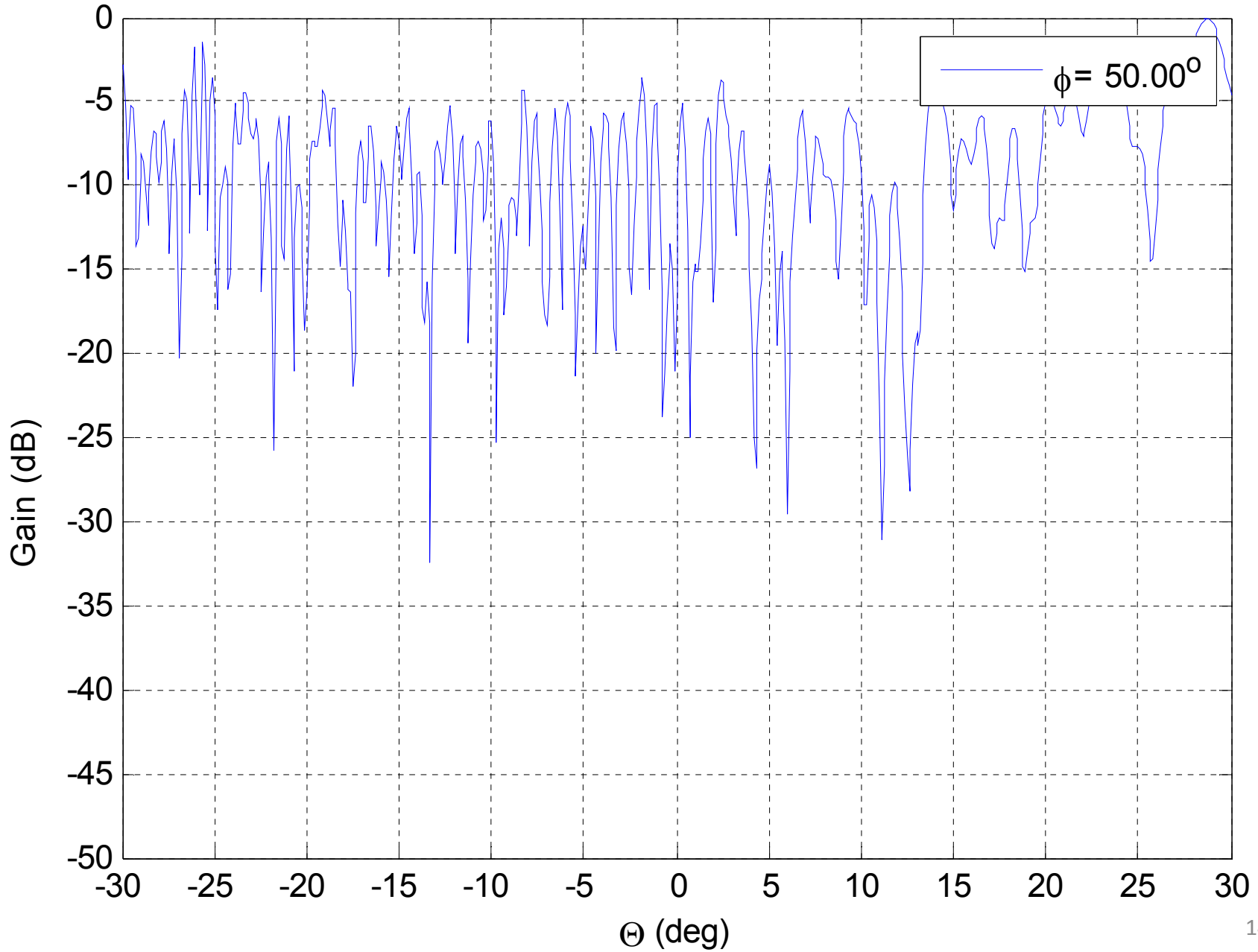
# Normalized pattern cuts - farfield

Input file: tx-17.5-lhcp-40.cut, Peak: -19.58 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

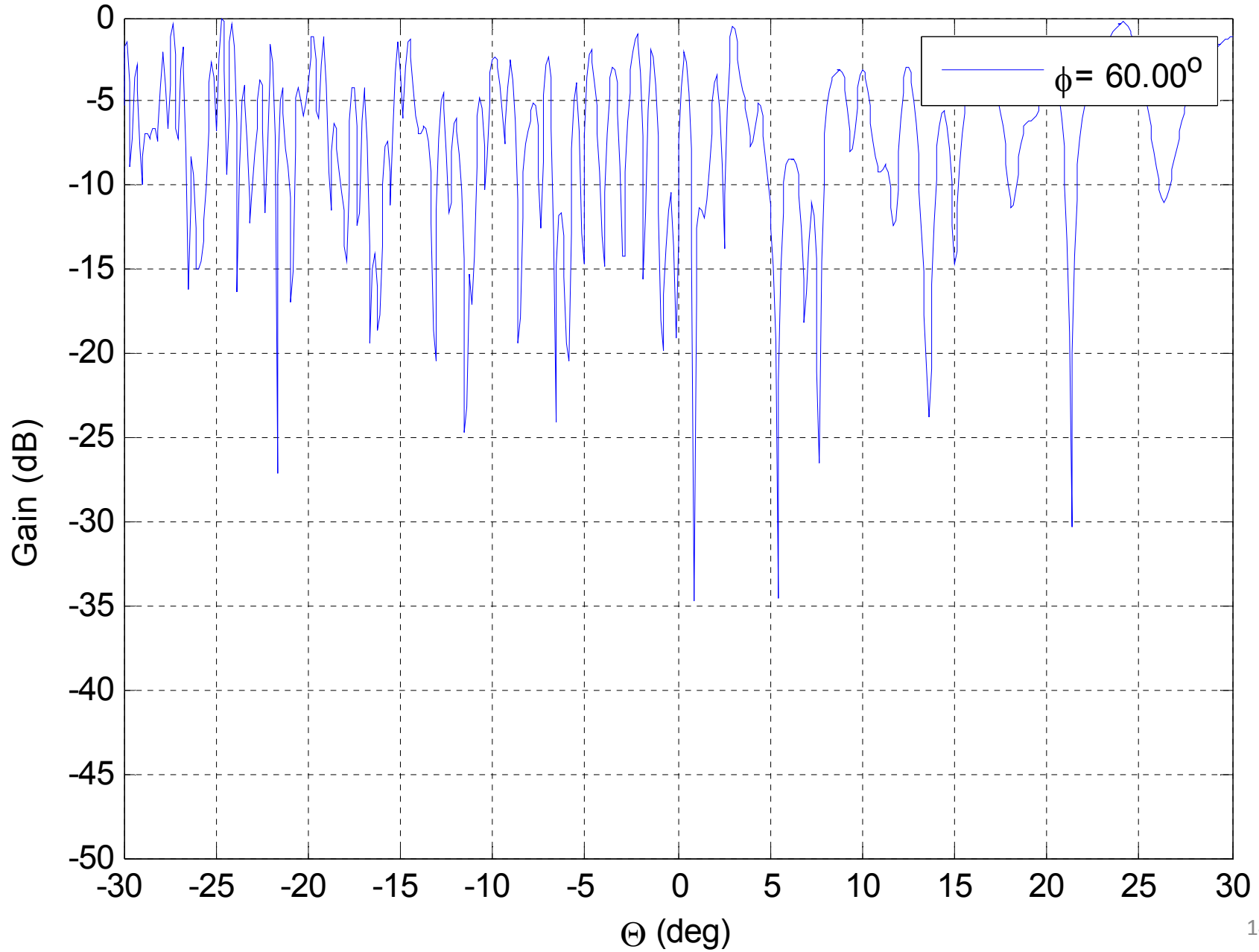
Input file: tx-17.5-lhcp-50.cut, Peak: -21.72 dB, Date: 2-Sep-2016





# Normalized pattern cuts - farfield

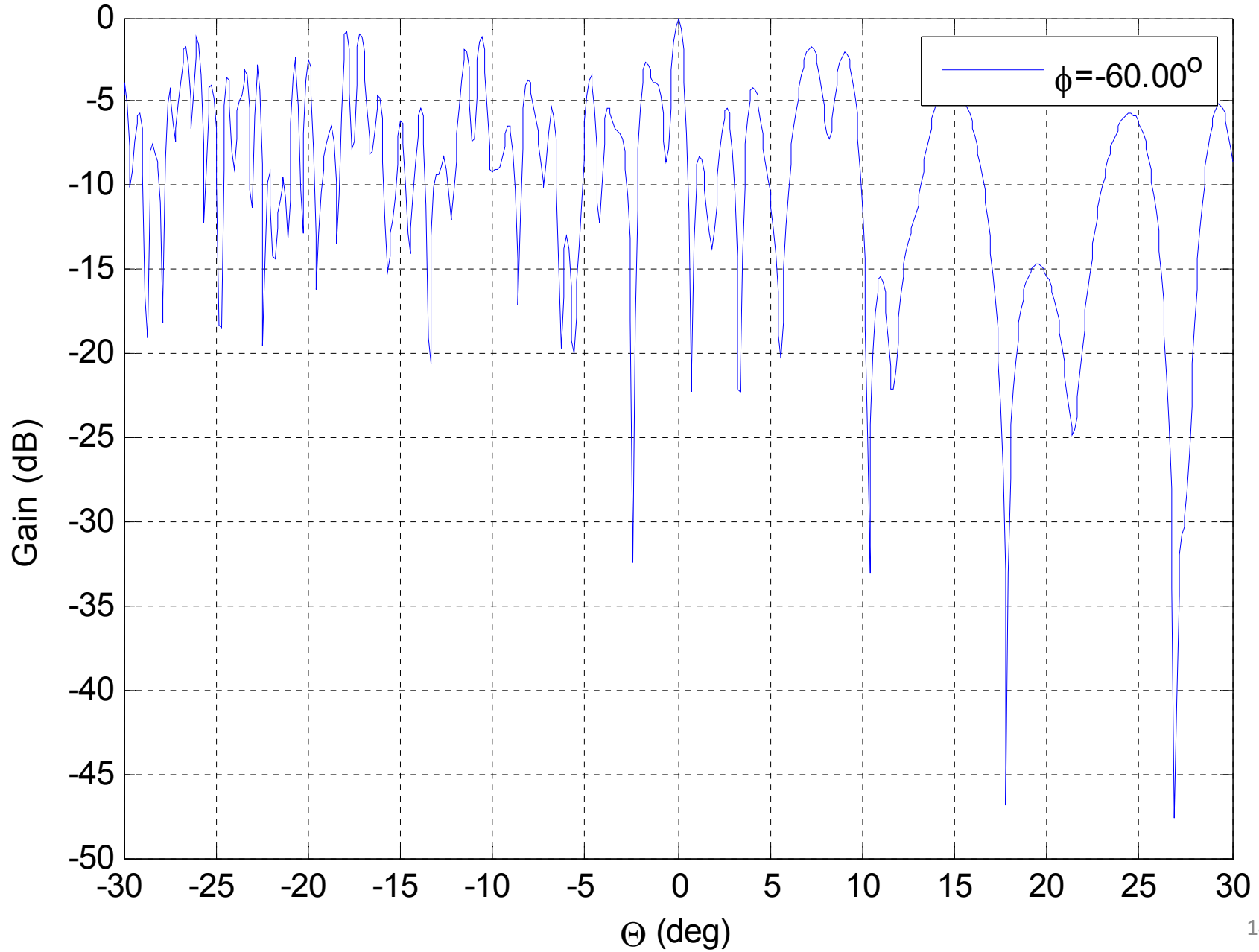
Input file: tx-17.5-lhcp-60.cut, Peak: -24.77 dB, Date: 2-Sep-2016



**RHCP at 17.7 GHz**

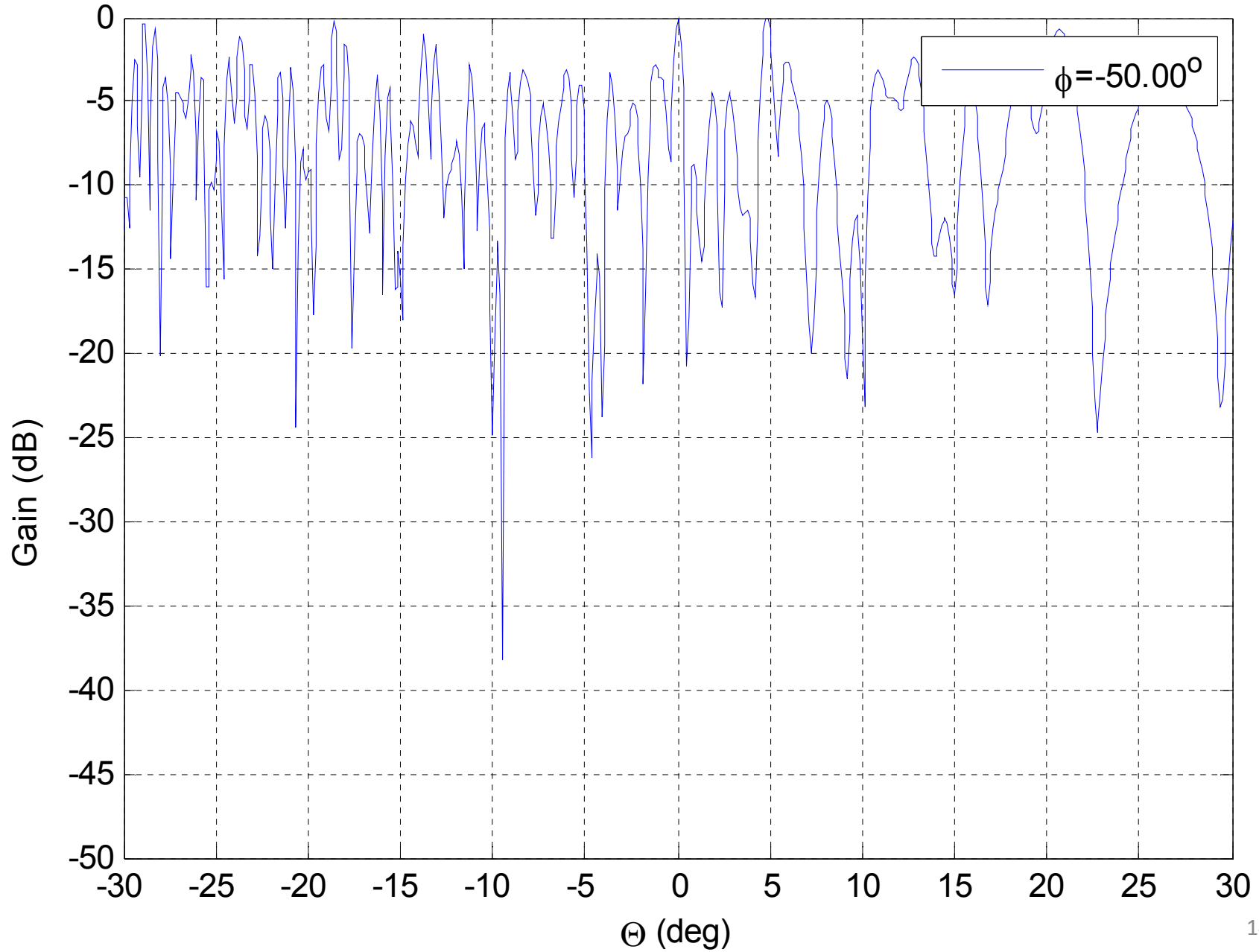
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-60.cut, Peak: -25.02 dB, Date: 2-Sep-2016



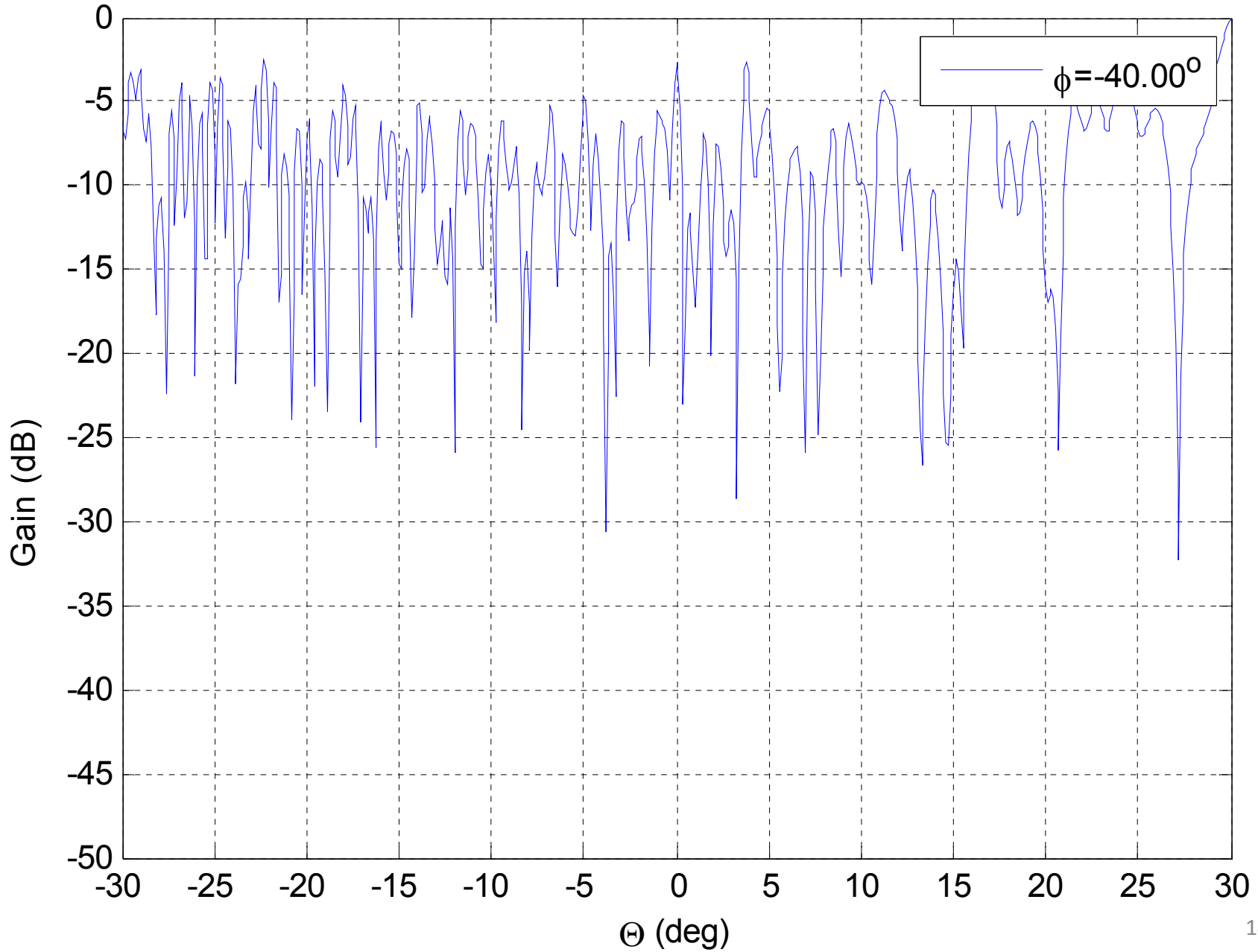
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-50.cut, Peak: -25.02 dB, Date: 2-Sep-2016



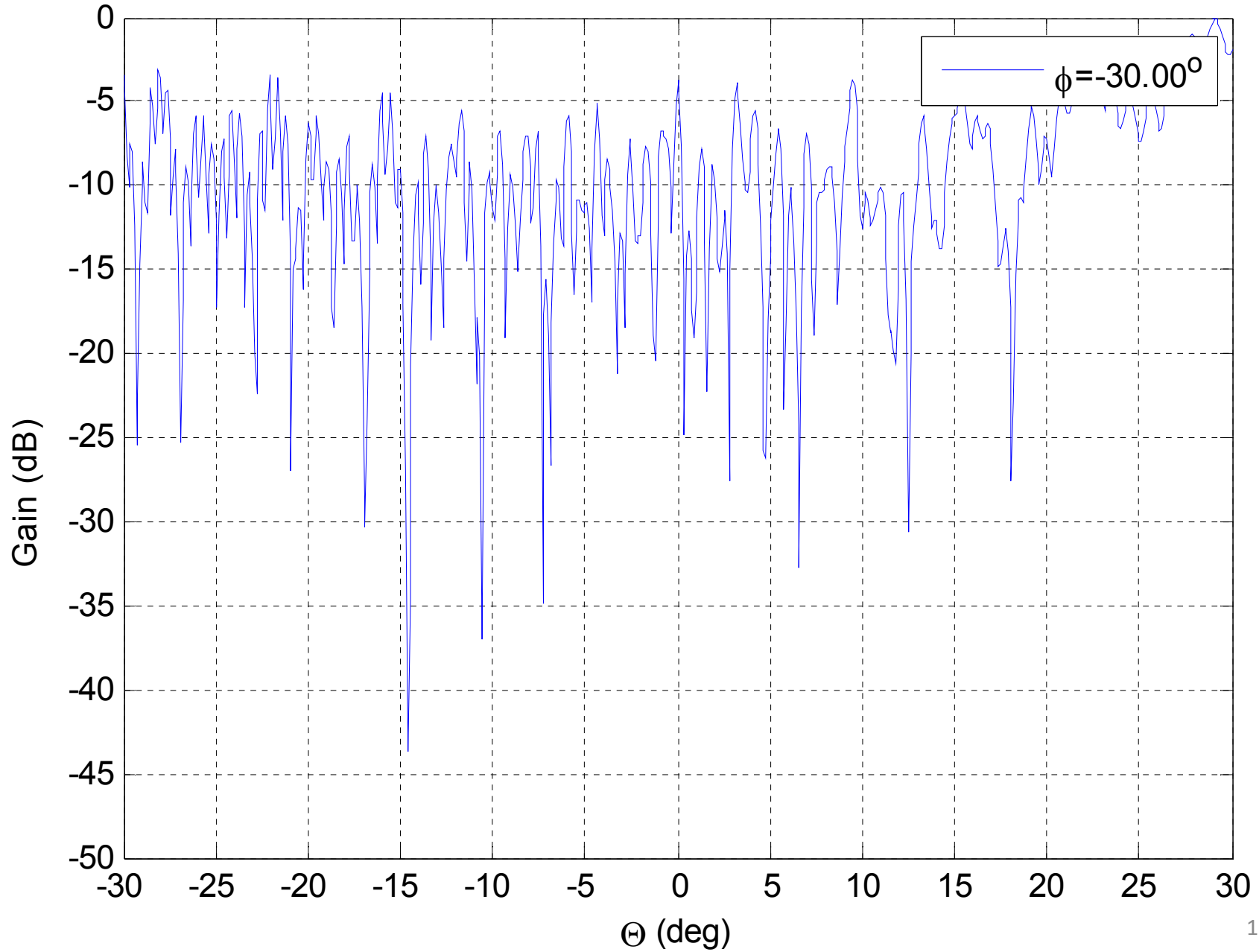
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-40.cut, Peak: -22.29 dB, Date: 2-Sep-2016



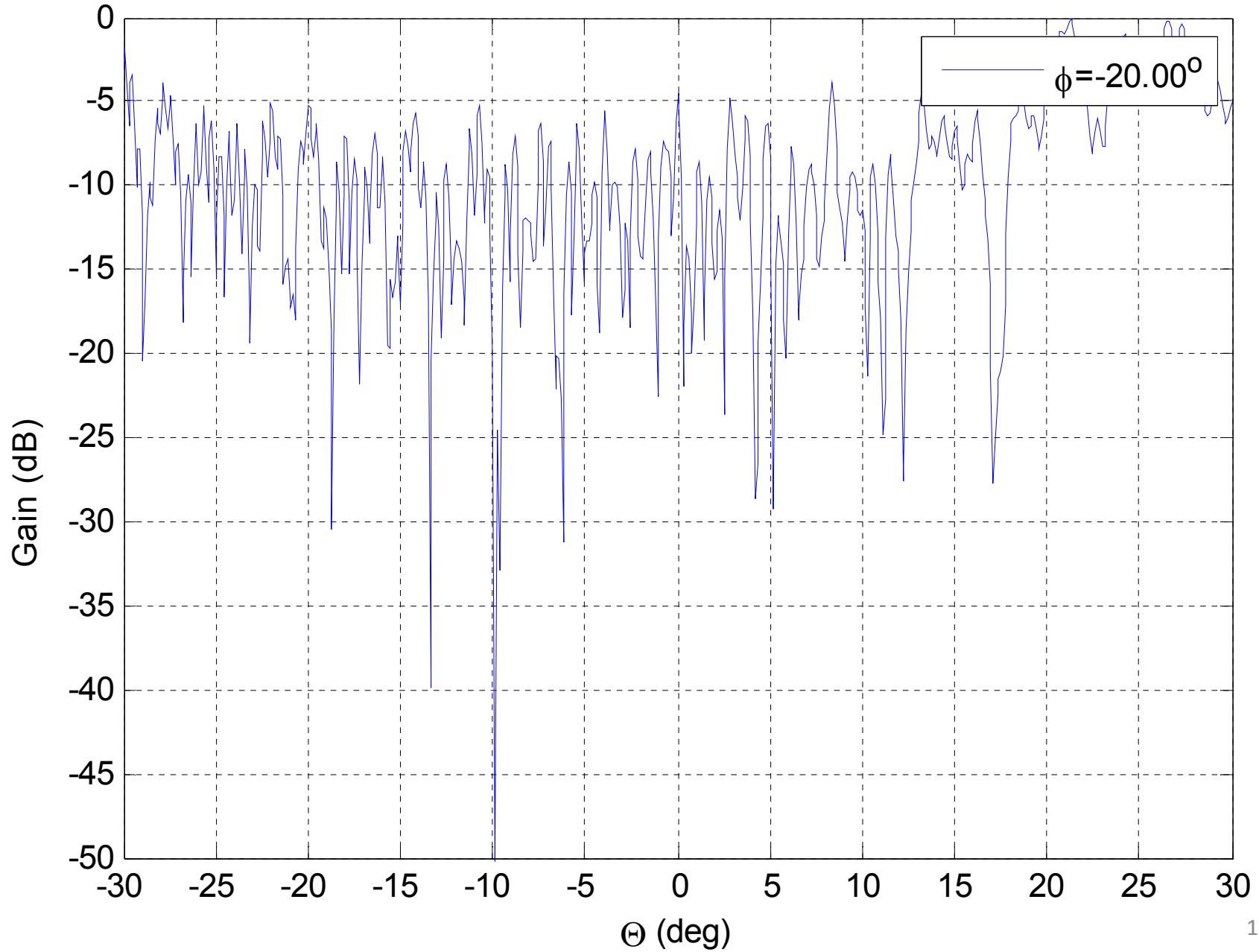
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-30.cut, Peak: -21.23 dB, Date: 2-Sep-2016



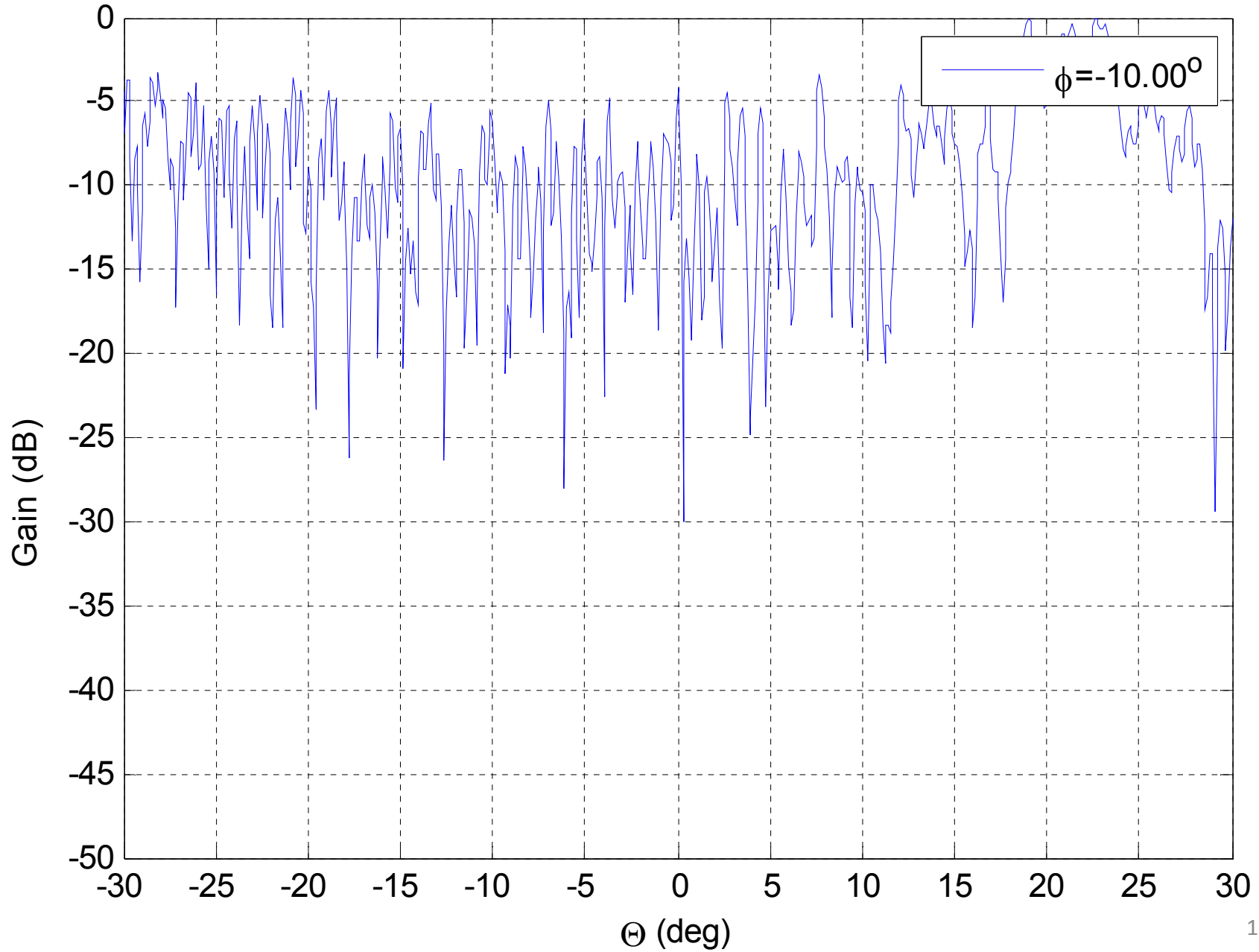
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-20.cut, Peak: -20.59 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

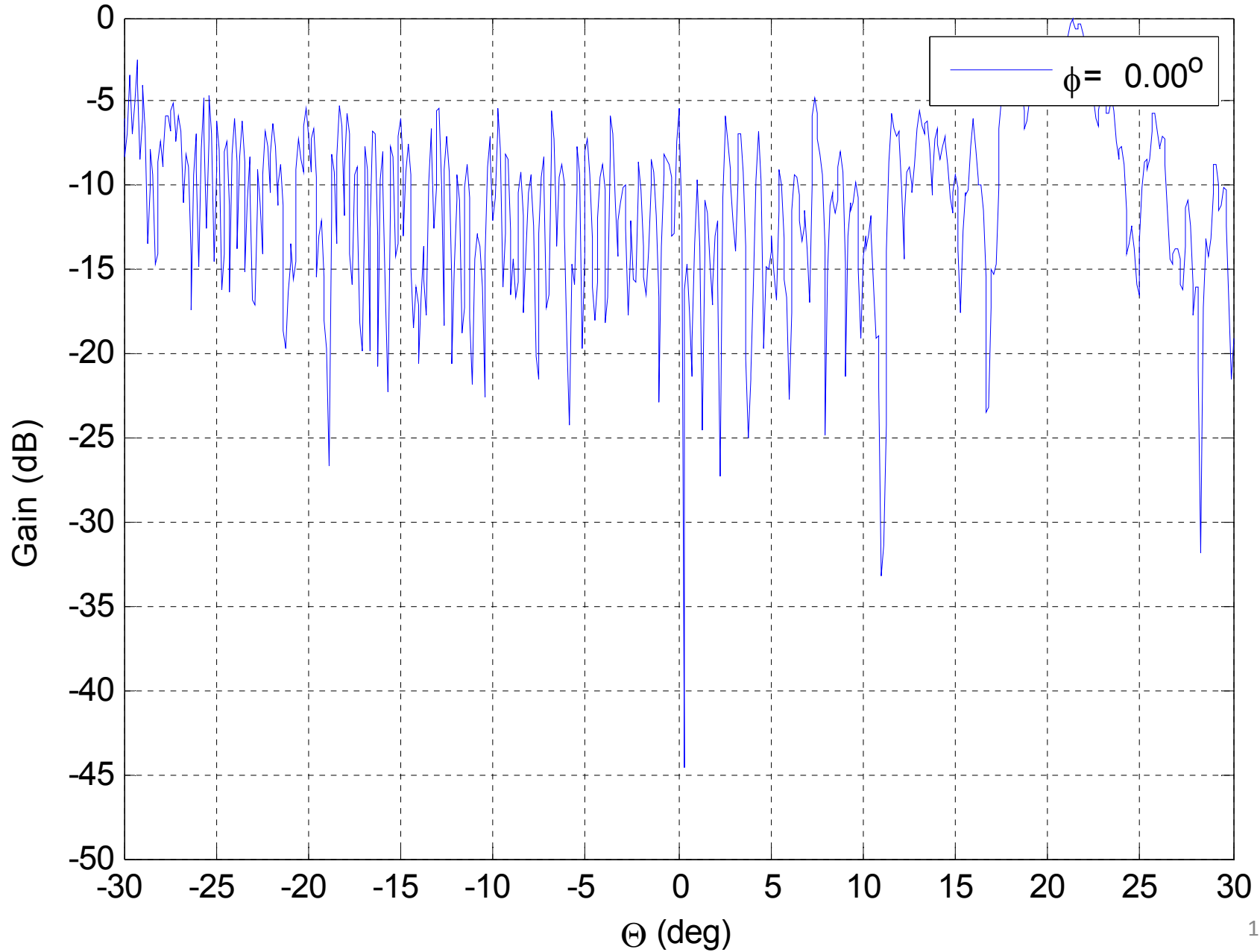
Input file: tx-17.7-rhcp-10.cut, Peak: -20.91 dB, Date: 2-Sep-2016





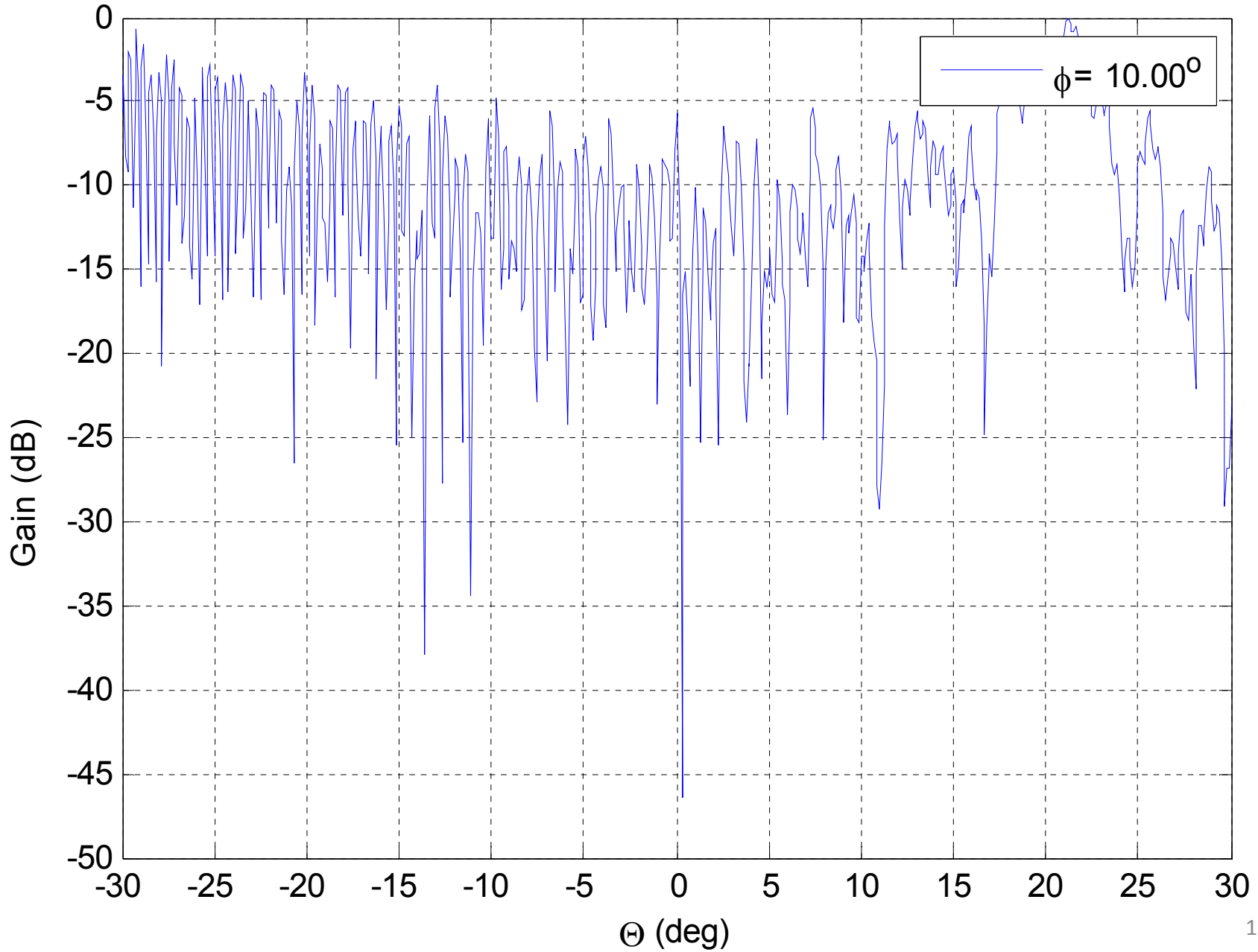
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-0.cut, Peak: -19.66 dB, Date: 2-Sep-2016



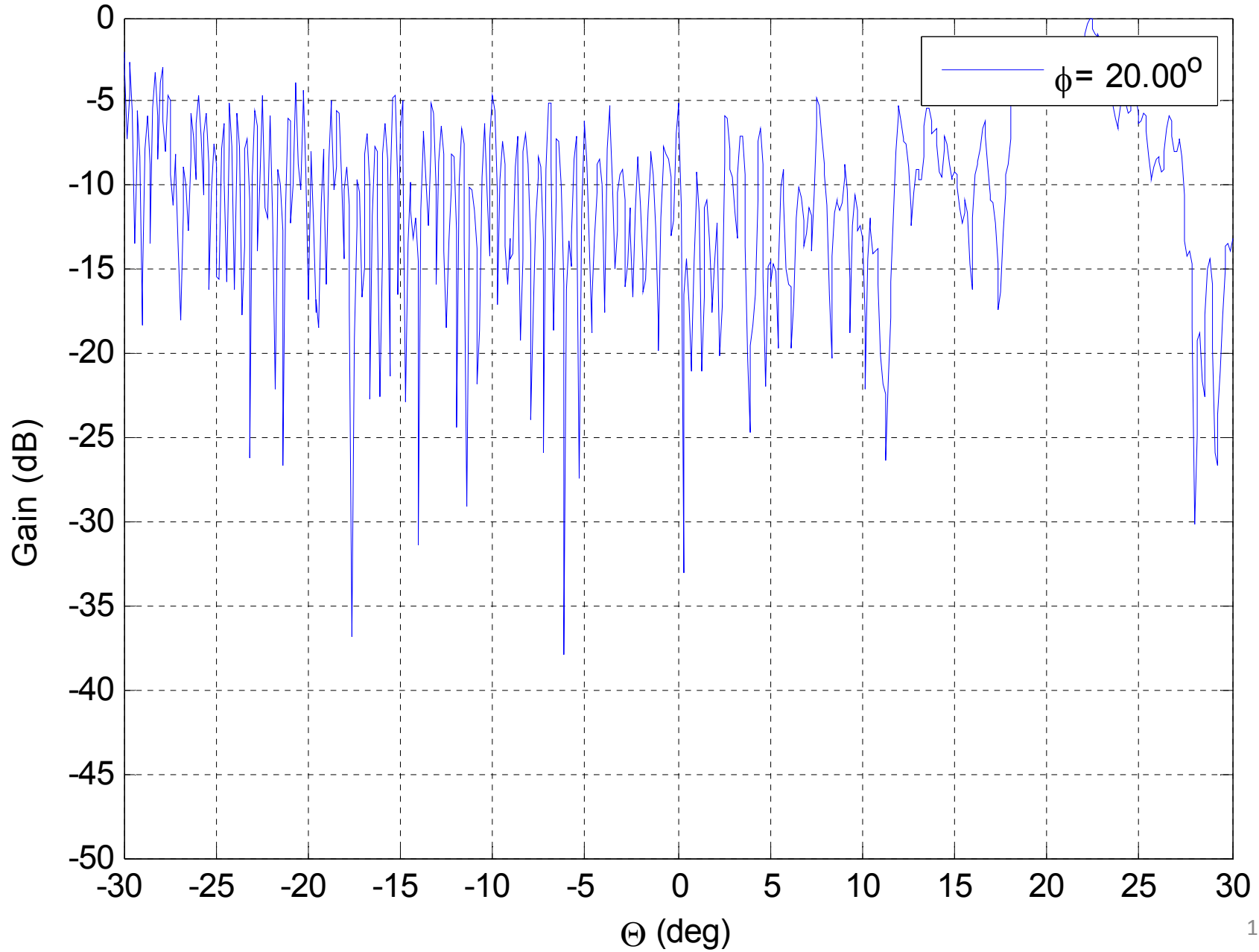
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-10.cut, Peak: -19.28 dB, Date: 2-Sep-2016



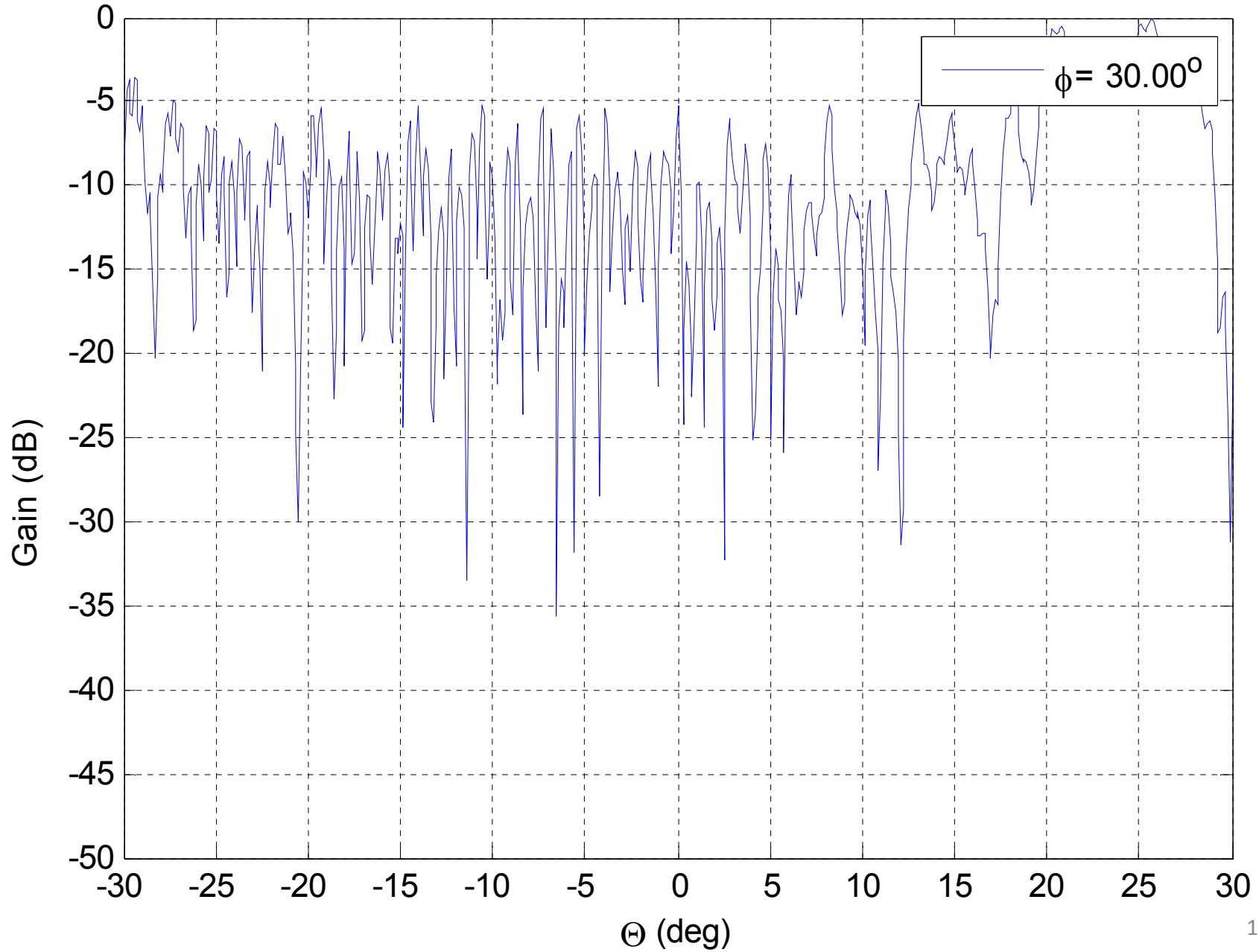
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-20.cut, Peak: -19.96 dB, Date: 2-Sep-2016



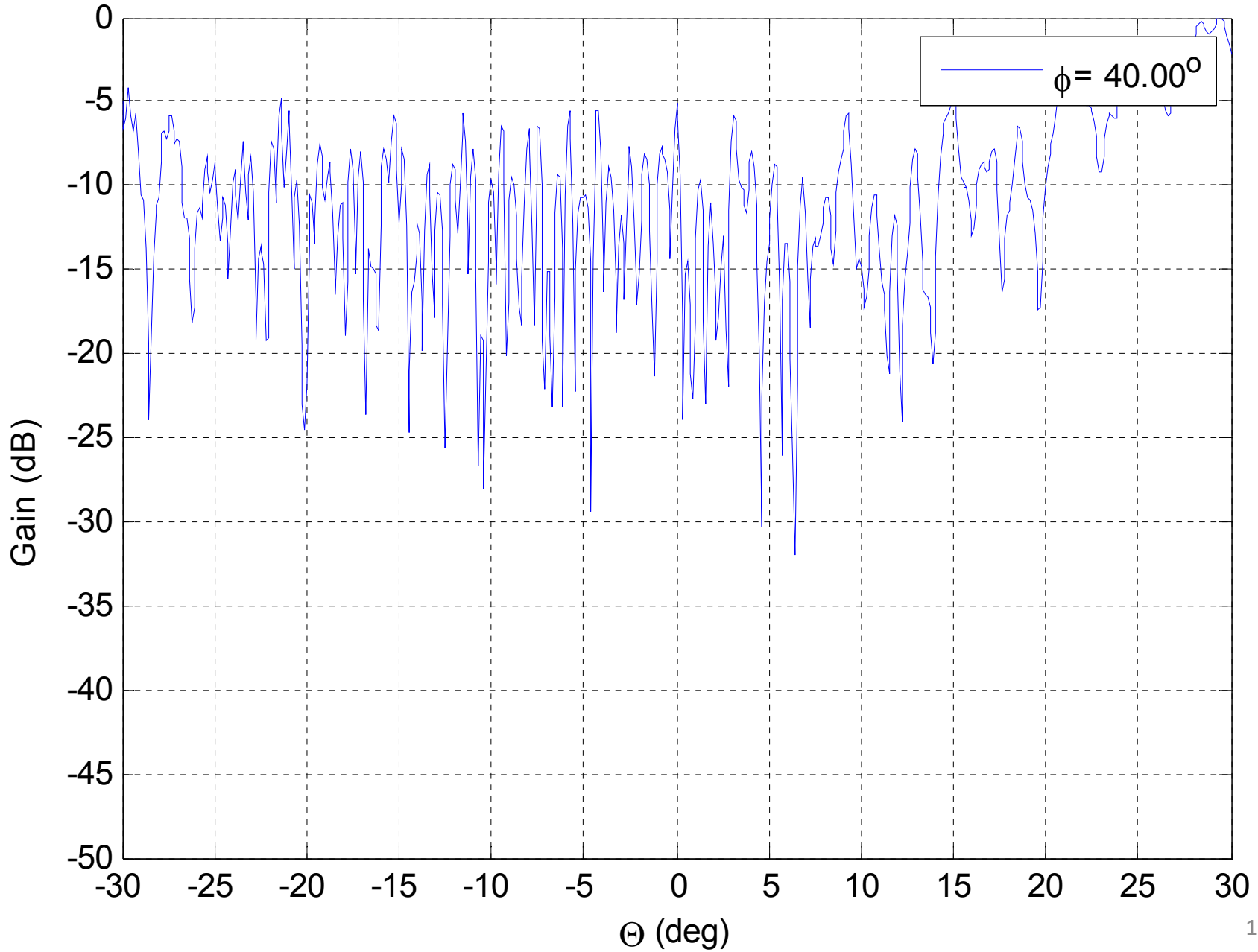
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-30.cut, Peak: -19.73 dB, Date: 2-Sep-2016



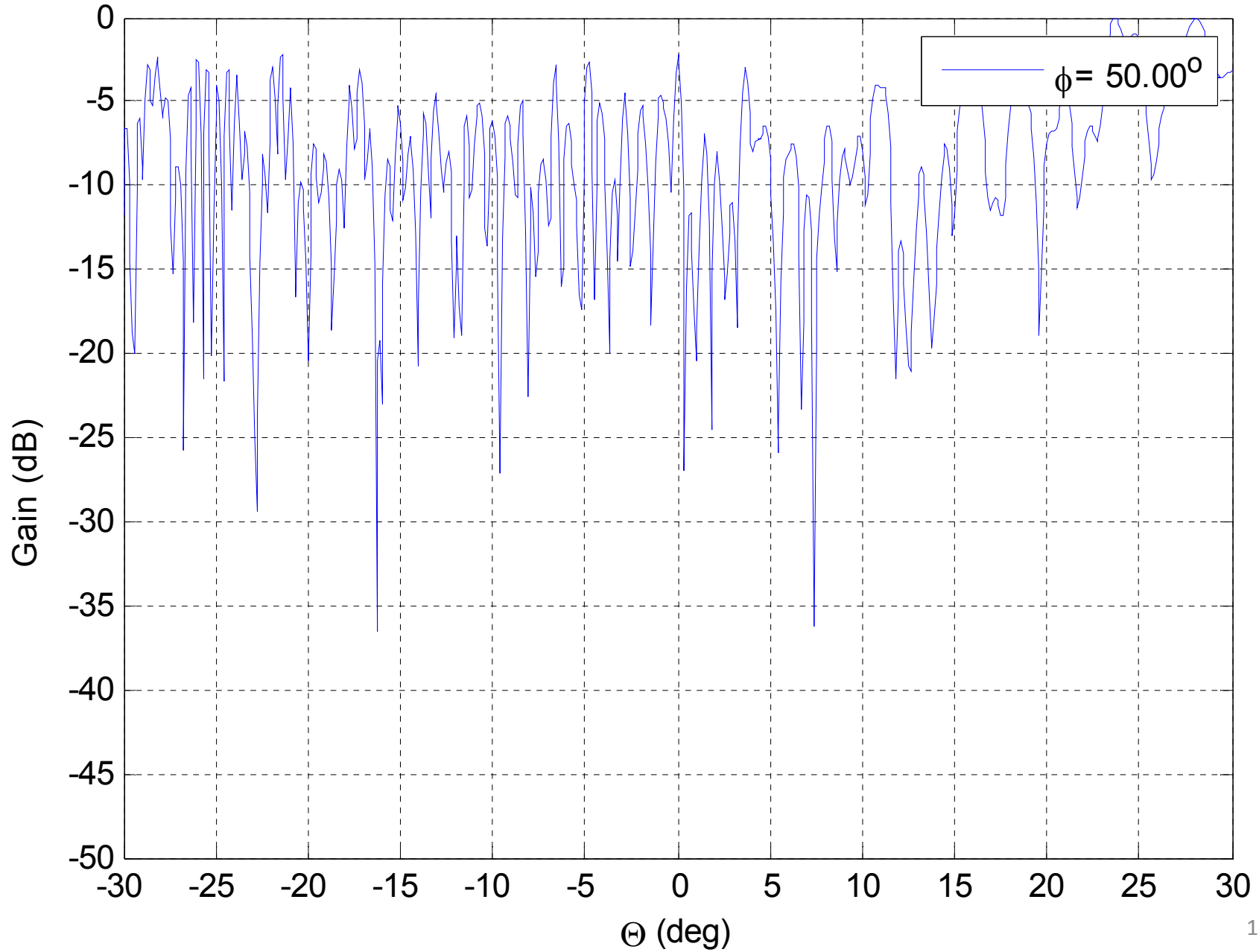
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-40.cut, Peak: -19.86 dB, Date: 2-Sep-2016



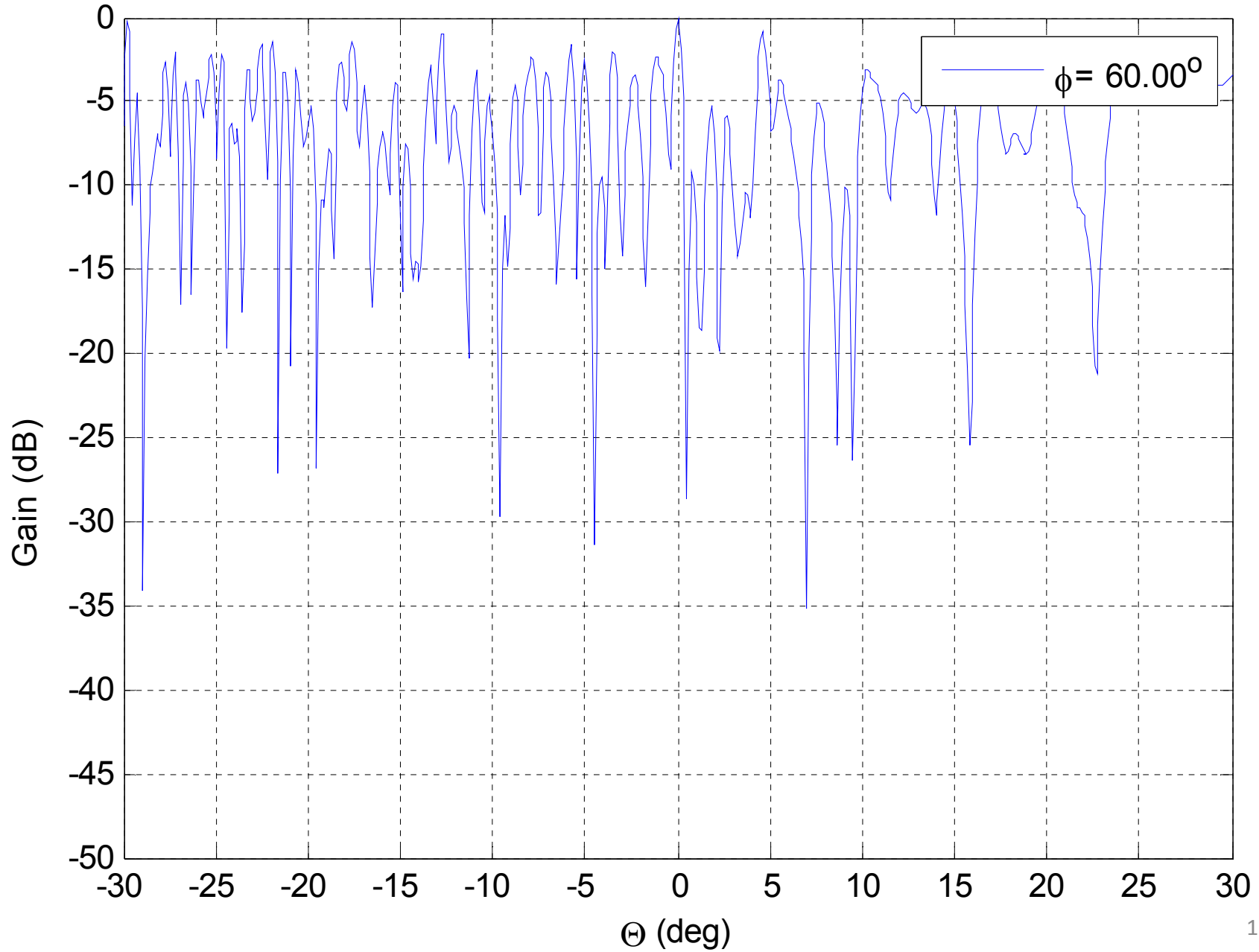
# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-50.cut, Peak: -22.85 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

Input file: tx-17.7-rhcp-60.cut, Peak: -25.02 dB, Date: 2-Sep-2016

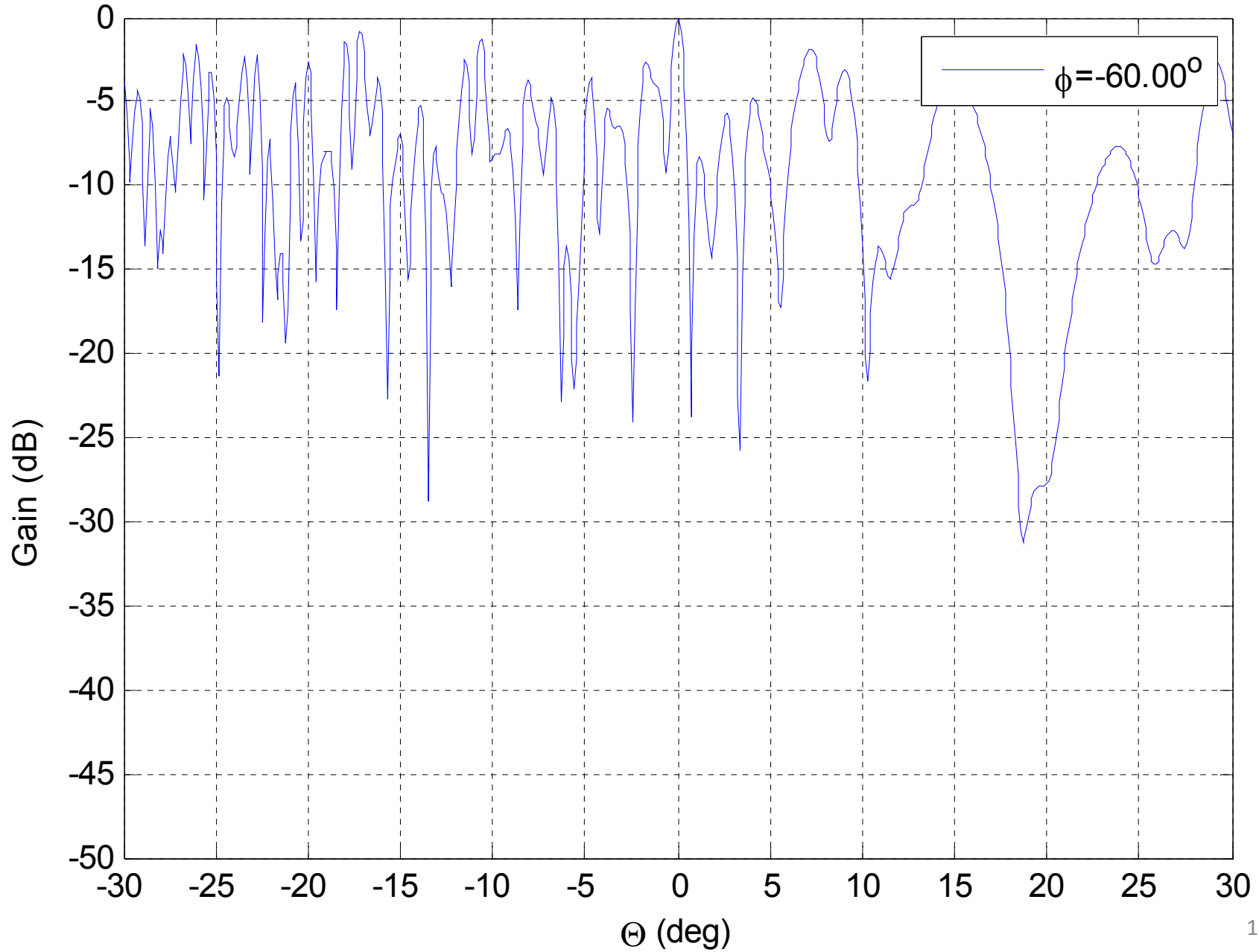


# LHCP at 17.7 GHz



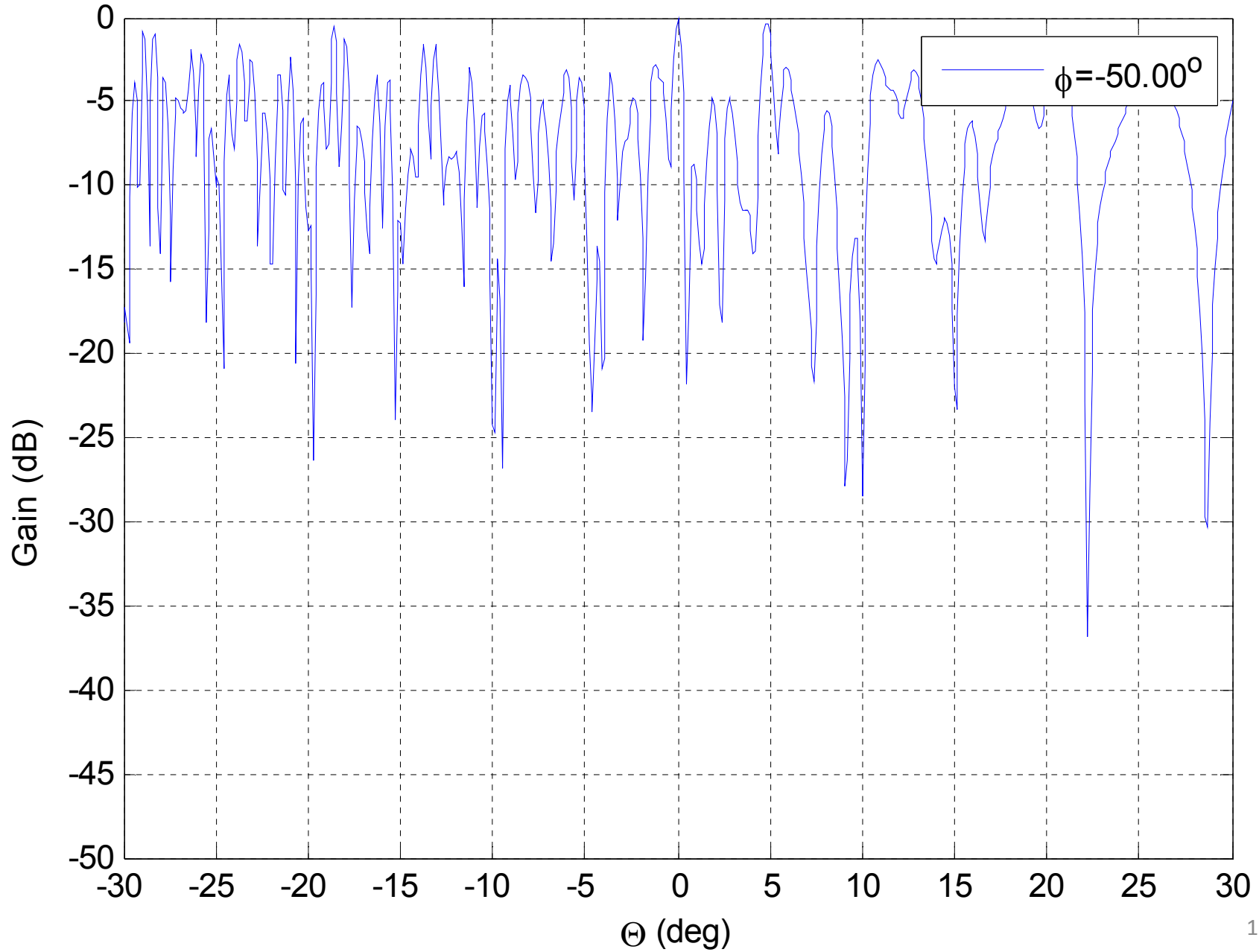
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-60.cut, Peak: -24.88 dB, Date: 2-Sep-2016



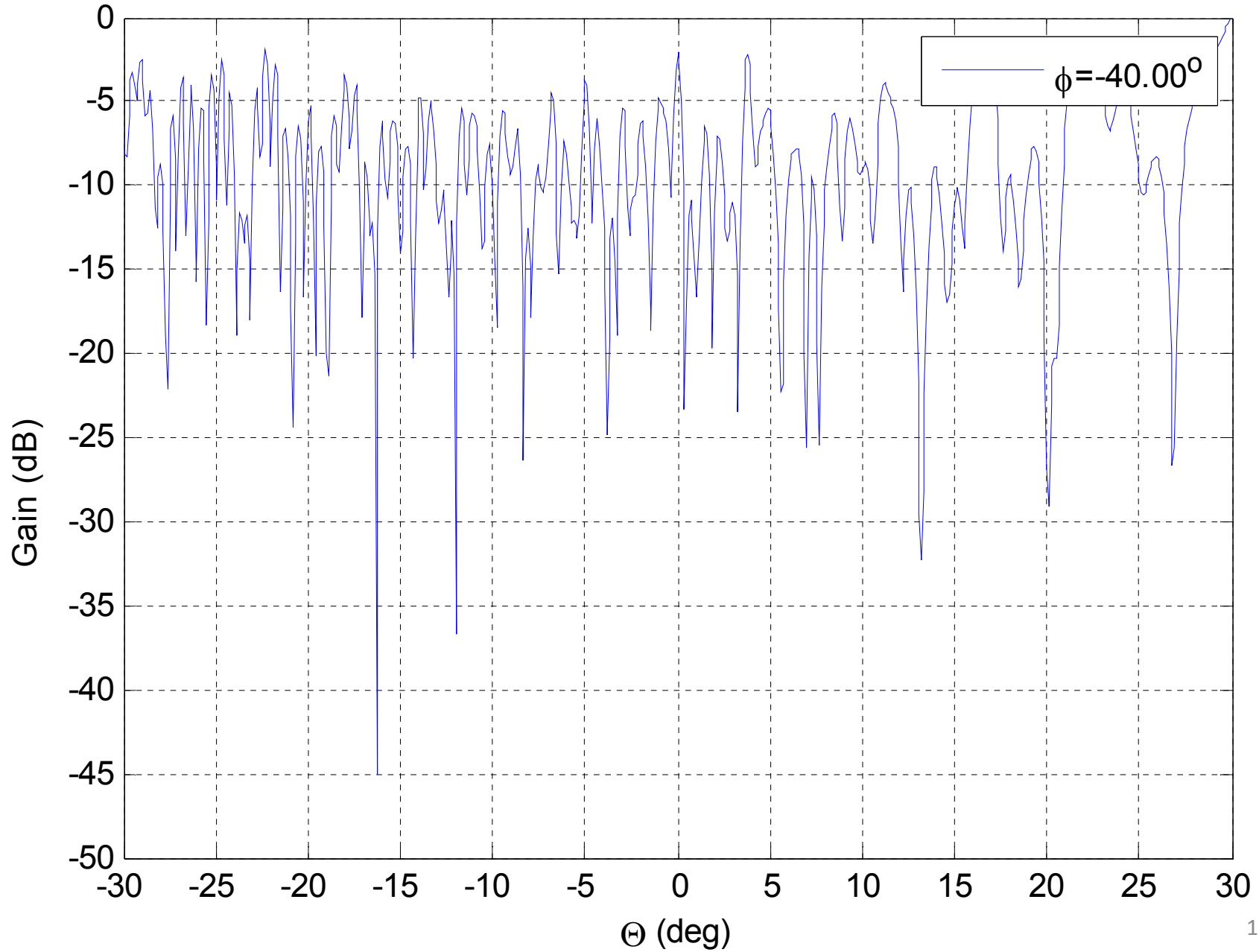
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-50.cut, Peak: -24.88 dB, Date: 2-Sep-2016



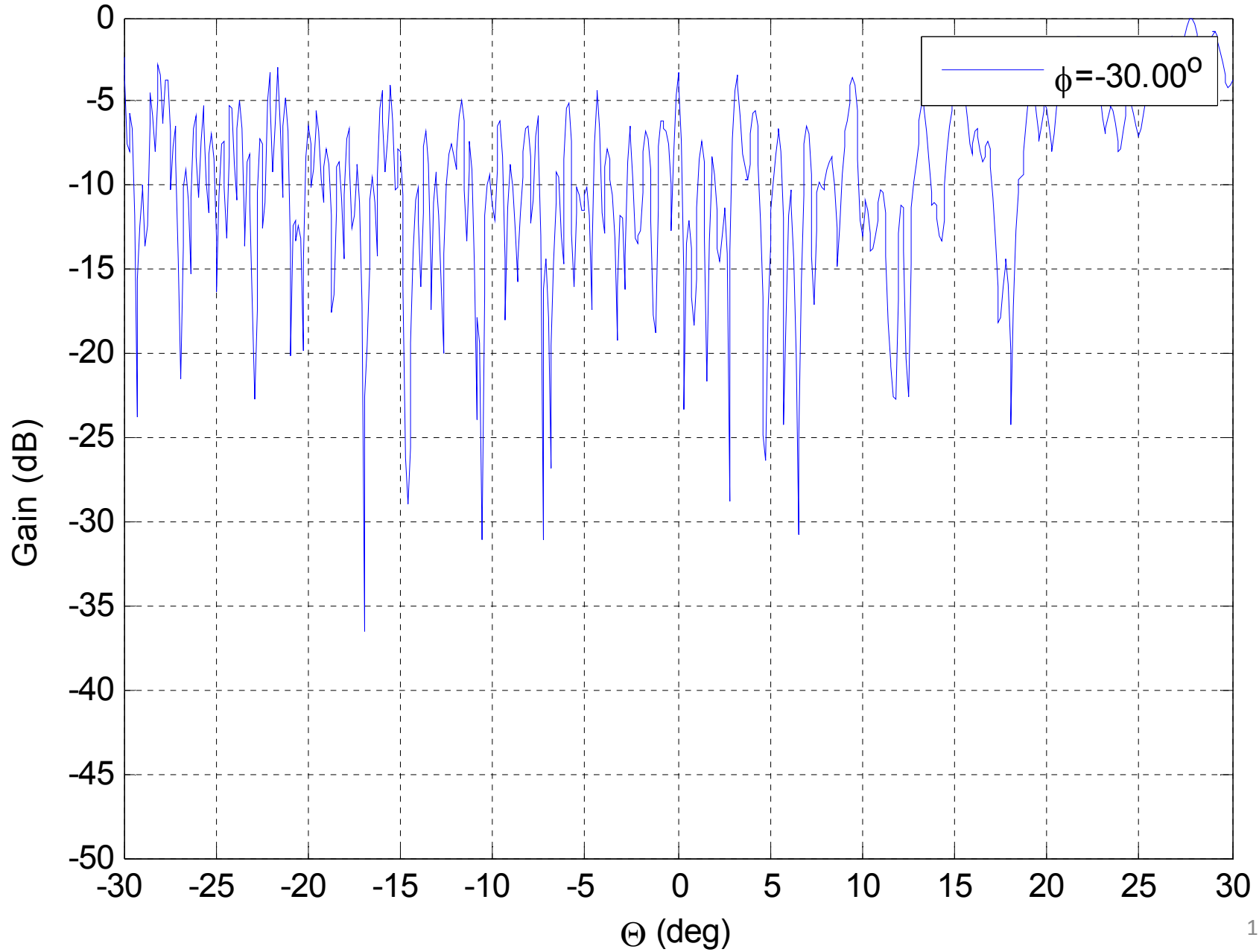
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-40.cut, Peak: -22.85 dB, Date: 2-Sep-2016



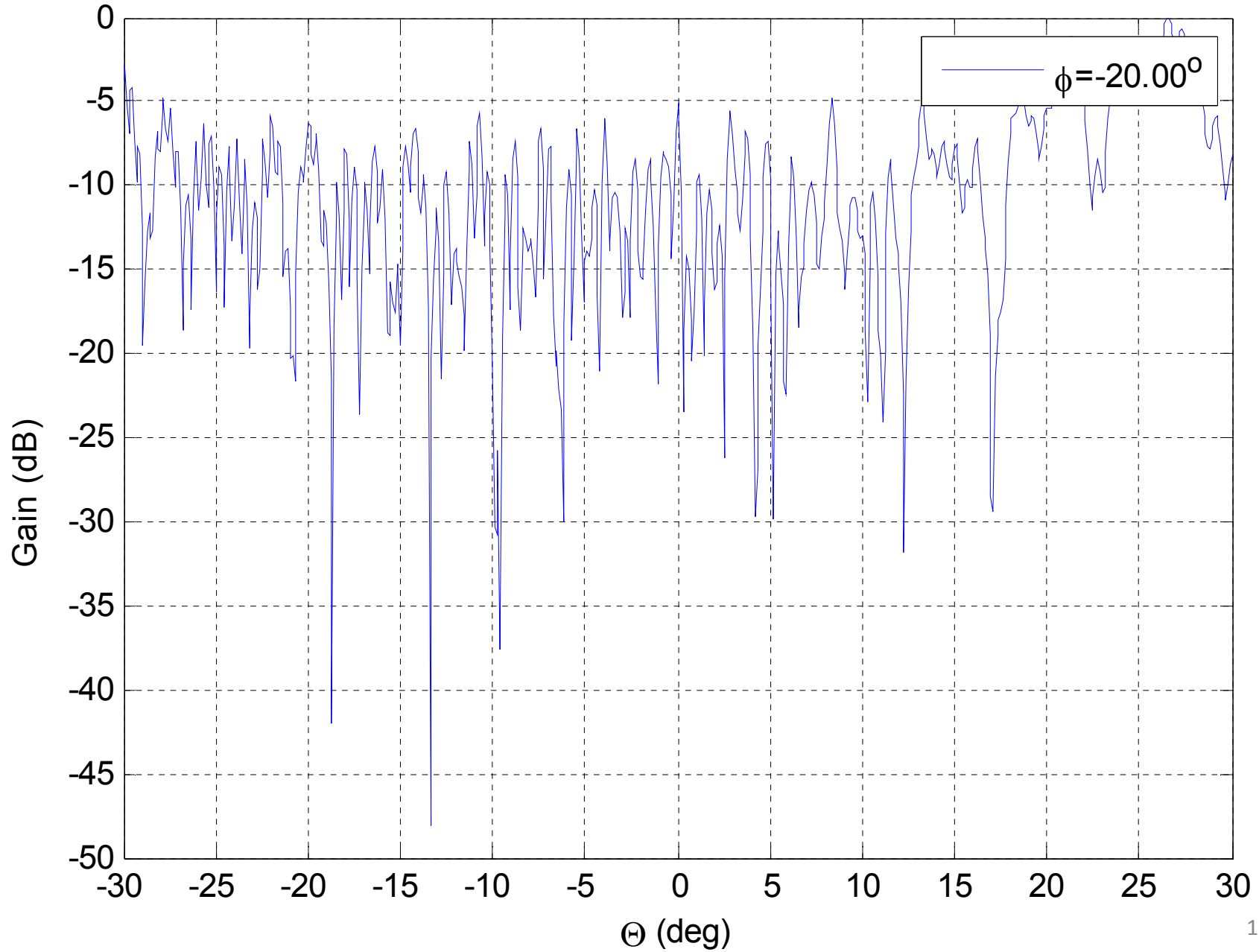
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-30.cut, Peak: -21.64 dB, Date: 2-Sep-2016



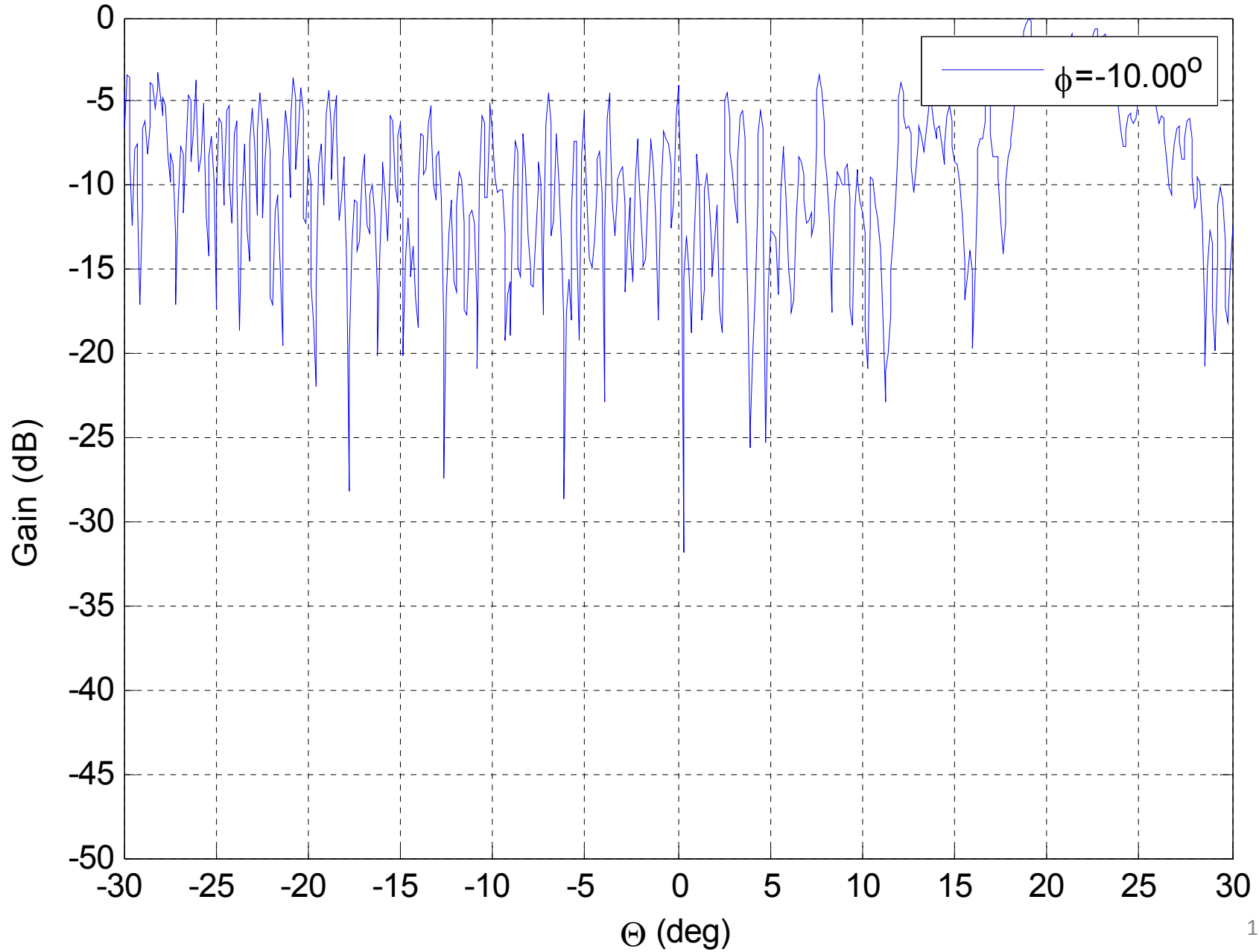
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-20.cut, Peak: -19.75 dB, Date: 2-Sep-2016



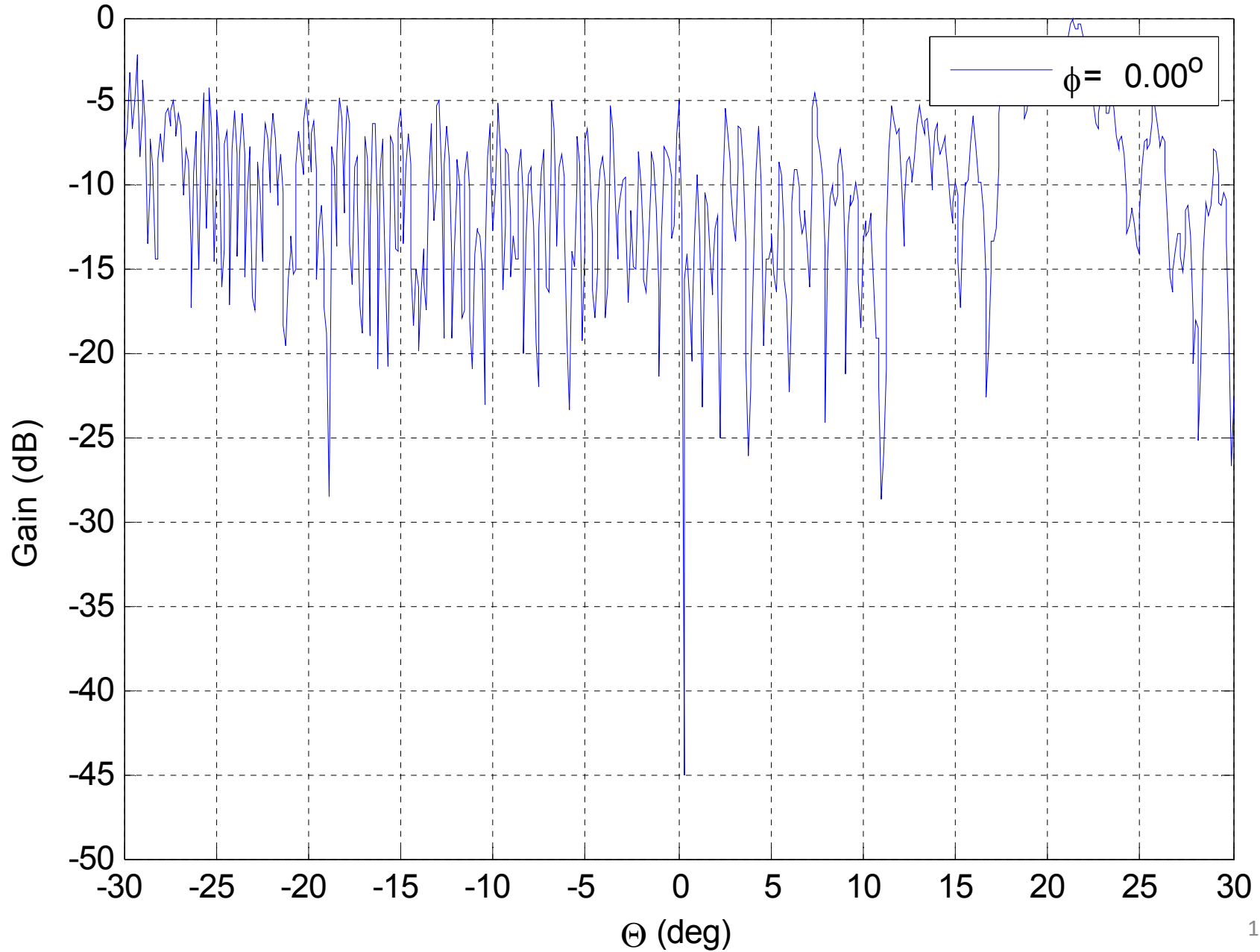
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-10.cut, Peak: -20.85 dB, Date: 2-Sep-2016



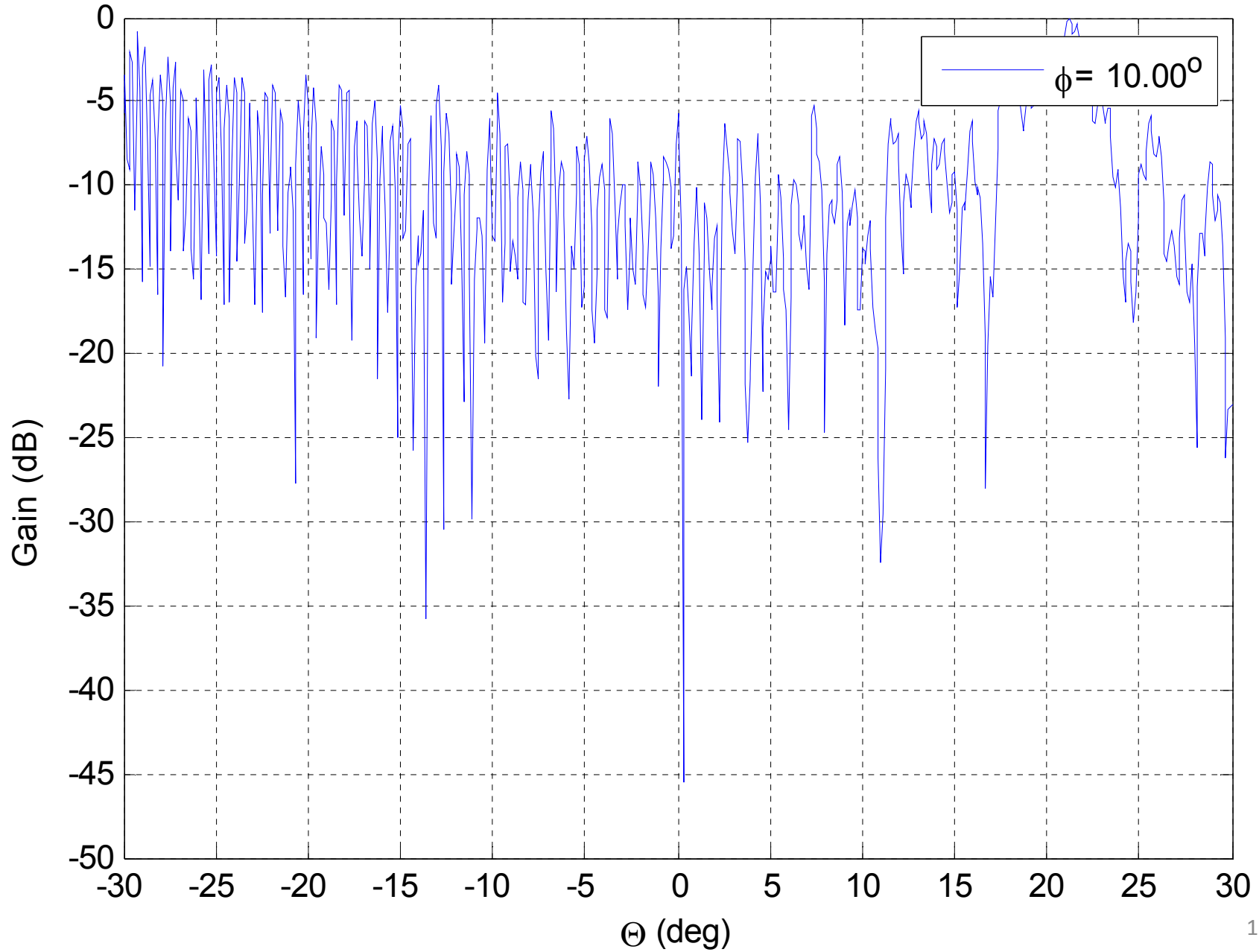
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-0.cut, Peak: -19.94 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

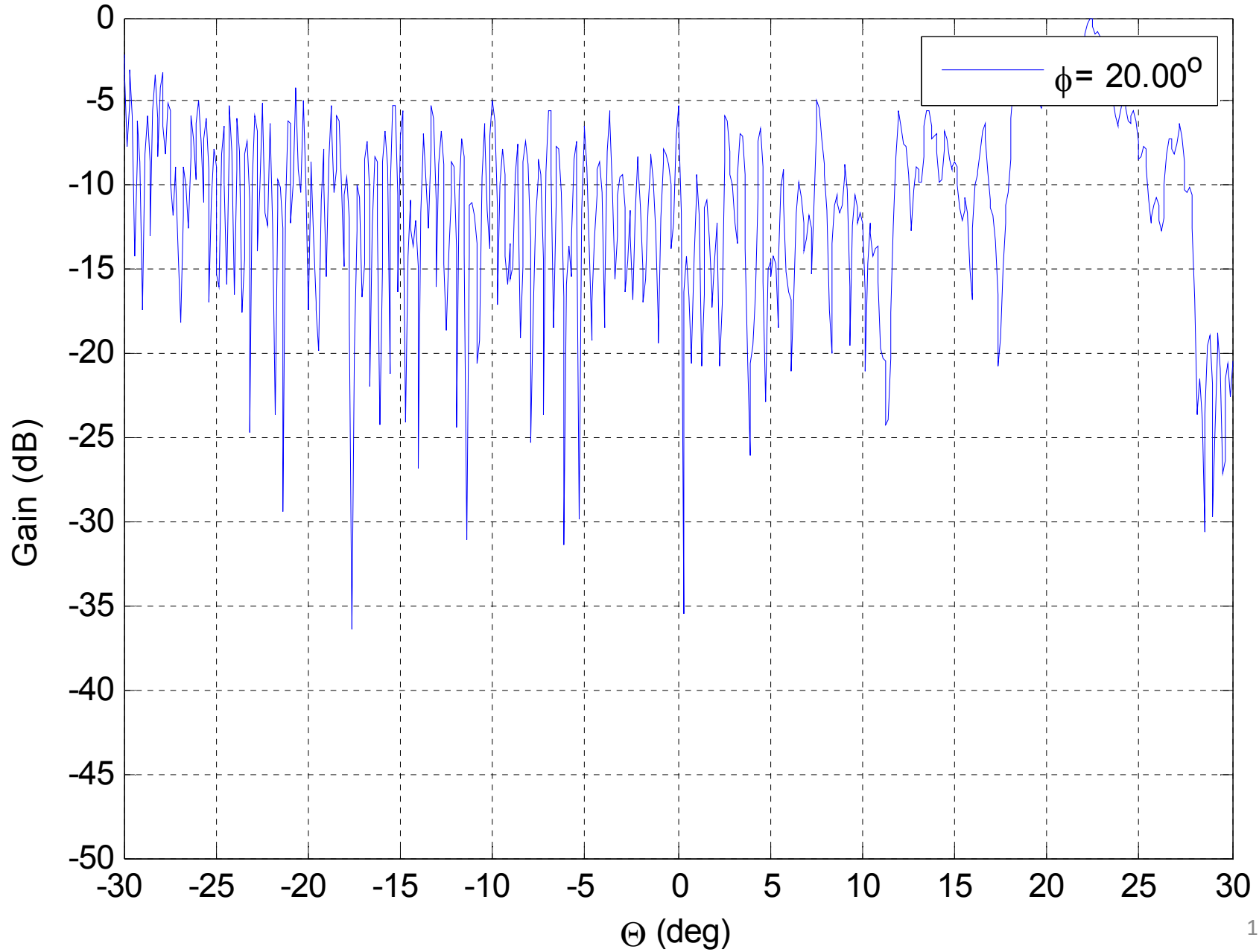
Input file: tx-17.7-lhcp-10.cut, Peak: -19.26 dB, Date: 2-Sep-2016





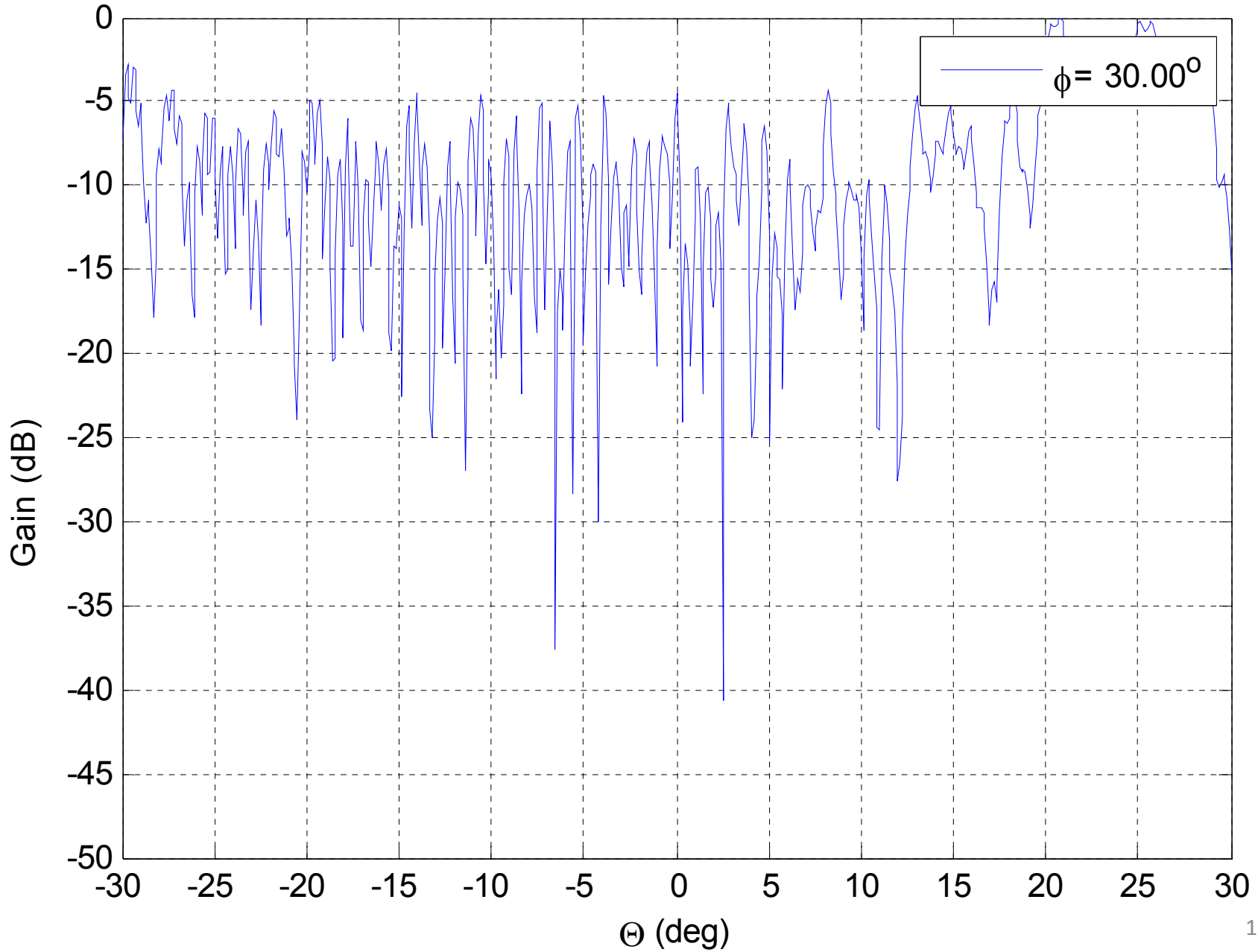
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-20.cut, Peak: -19.70 dB, Date: 2-Sep-2016



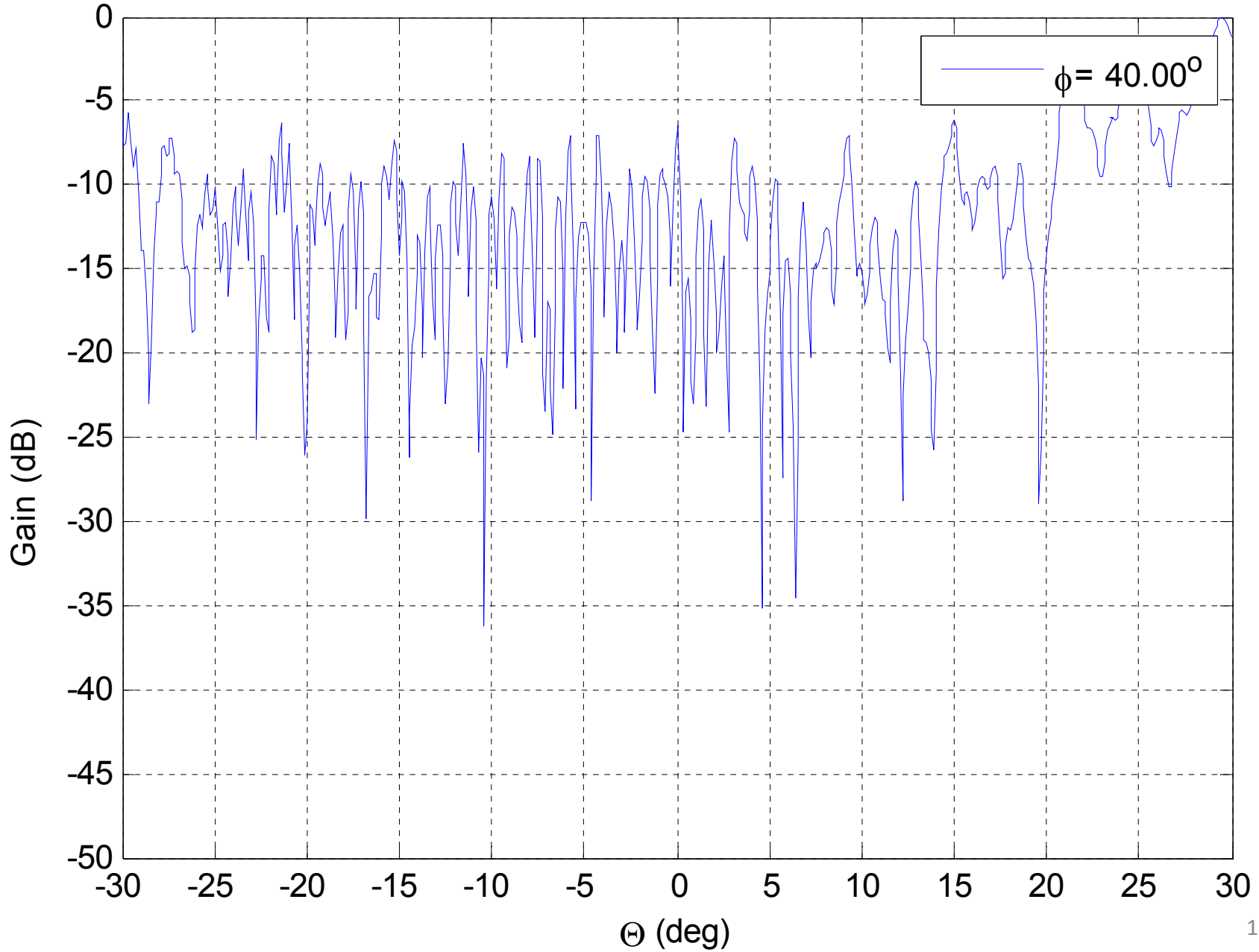
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-30.cut, Peak: -20.44 dB, Date: 2-Sep-2016



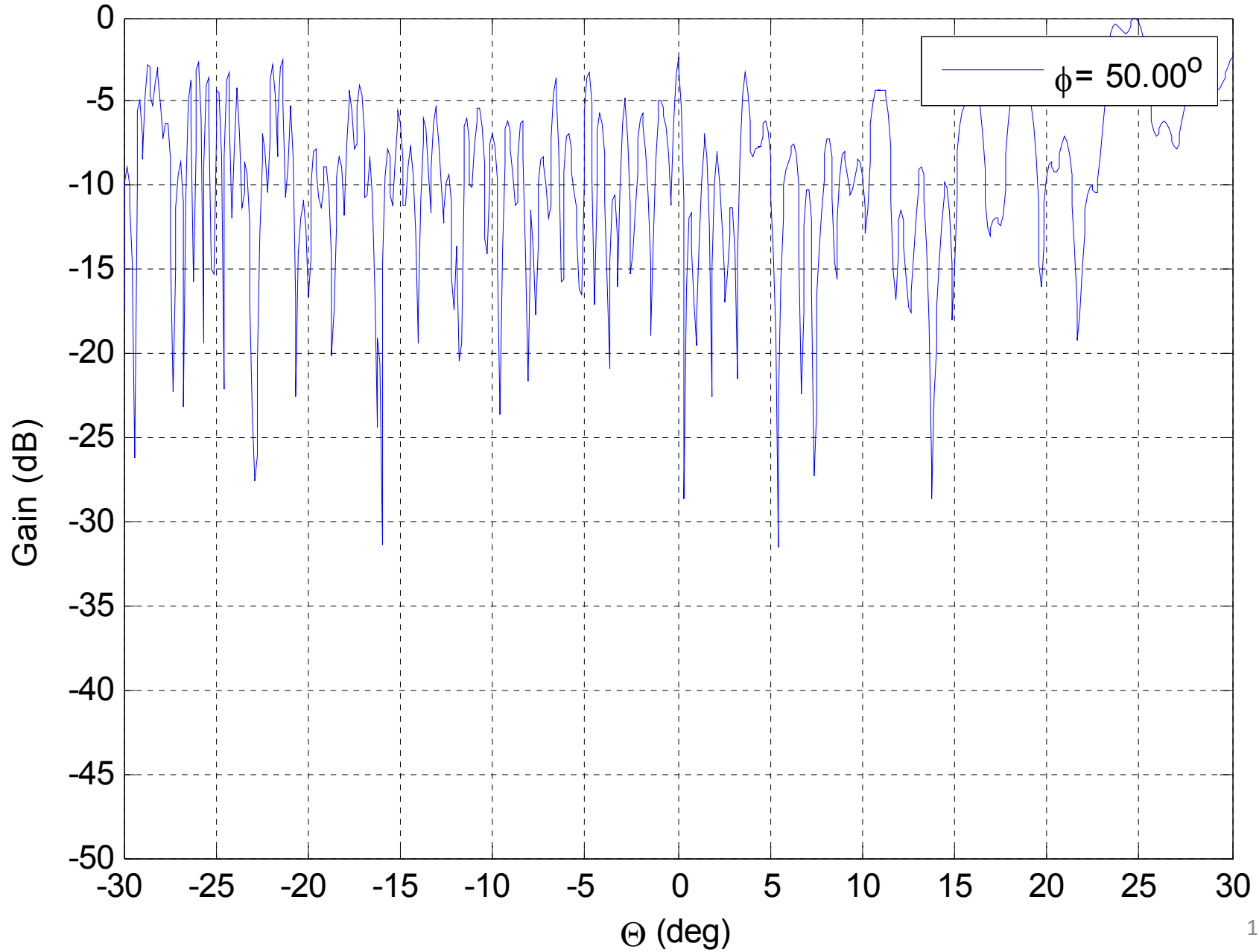
# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-40.cut, Peak: -18.42 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-50.cut, Peak: -22.47 dB, Date: 2-Sep-2016



# Normalized pattern cuts - farfield

Input file: tx-17.7-lhcp-60.cut, Peak: -24.88 dB, Date: 2-Sep-2016

