



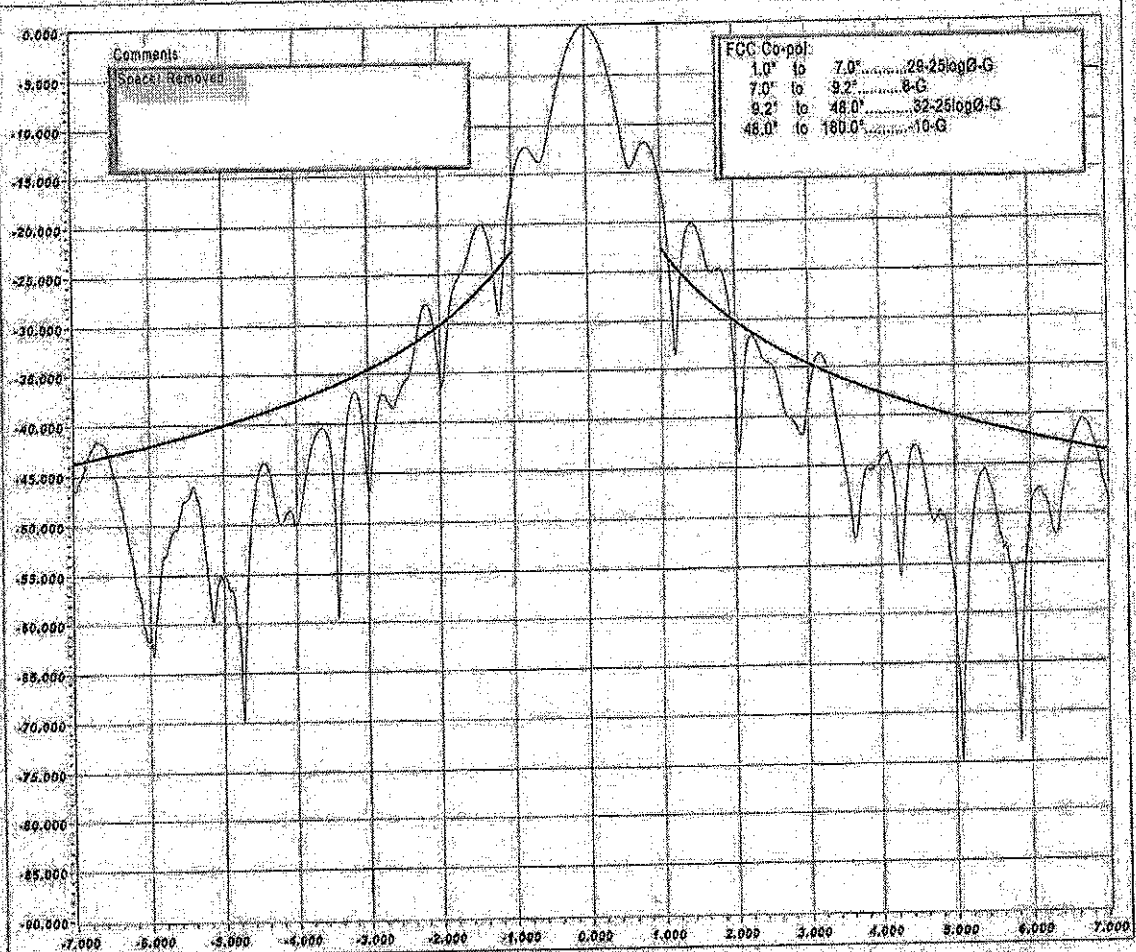
Customer..... NDSatcom
 Date/Local Time..... 8-10-2010 at 091657
 Job Number..... S9499F

Model..... 3.8m
 Location..... Kilgore, Tx
 Weather..... Partly cloudy
 Test Engineer..... Zukowski, W. Zuko
 Spacecraft..... Long Range
 Transponder..... NA

TX...Co-pol...HORZ polarization...14.000 GHz

Azimuth

% Over Curve | 5.3



Y-scale is power level (dB) relative to beam center; x-scale is angle (degrees, cosine corrected) relative to beam center.

SA Freq (Hz)=14000000163, AZ rate (deg/s)=1.002, EL rate (deg/s)=0.430, RBW (Hz)=30, VBW (Hz)=10

File: % 100810 091657 S9499F TC-30-HA-14.000.txt

Test Frequency (GHz): 14.000000163

Ref. Level (dBm): -39.25

Points Displayed: 7891

Versions
 61030 FAST
 60129 PACK

Specified Gain (dB): 51.600

Azimuth Beam Center (deg): 180.340

Elevation Beam Center (deg): 1.870

Margin Under Curved (dB): None



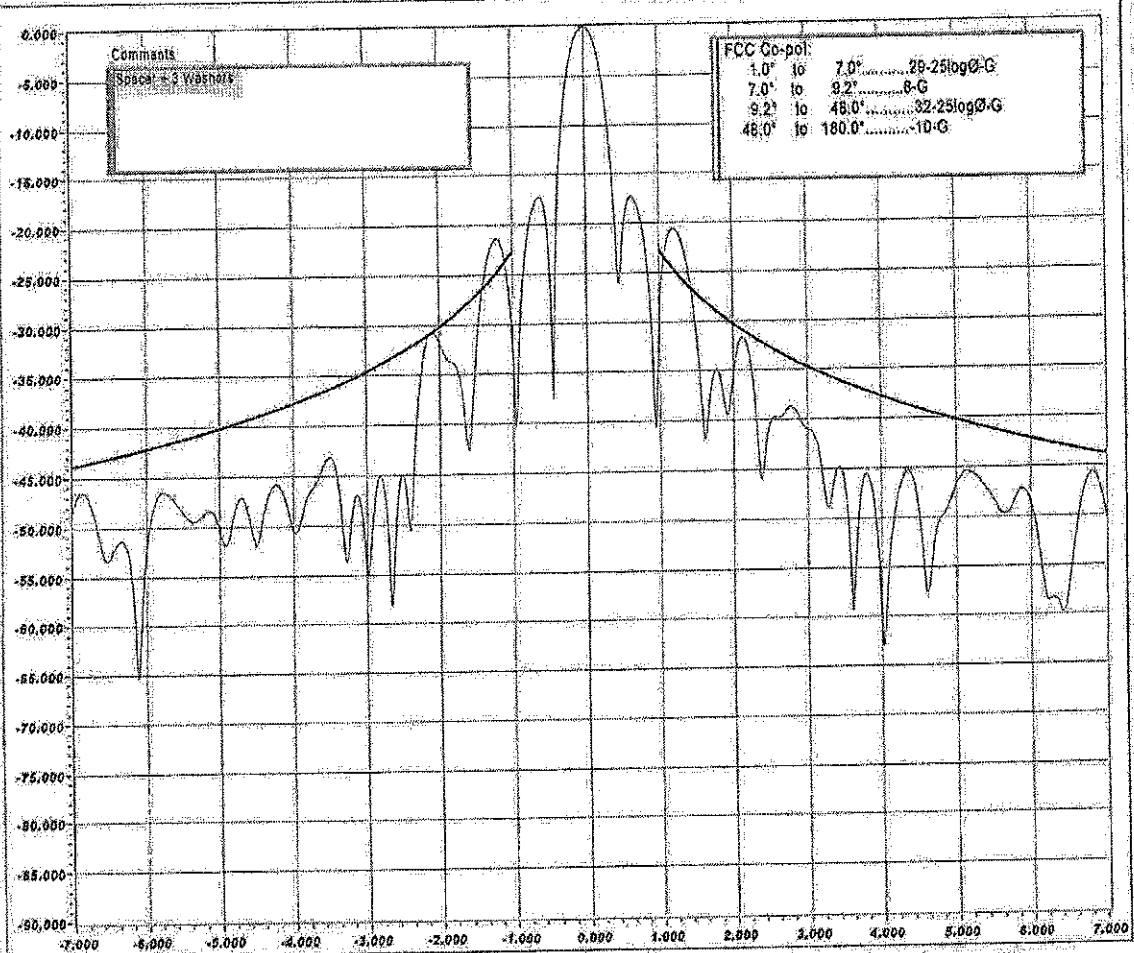
Customer..... NDSatcom
 Date/Local Time.... 8-10-2010 at 103215
 Job Number..... S9499F

Model..... 3.8m
 Location..... Kilgore, Tx
 Weather..... Partly cloudy
 Test Engineer.... Zukowski, W. Zuko
 Spacecraft..... Long Range
 Transponder..... NA

TX...Co-pol...HORZ polarization...14.250 GHz

Azimuth

% Over Curve | 1.3



Y-scale is power level (dB) relative to beam center; x-scale is angle (degrees, cosine corrected) relative to beam center.

SA Freq (Hz)=14250000172, AZ rate (deg/s)=0.997, EL rate (deg/s)=0.430, RBW (Hz)=30, VBW (Hz)=10

File: % 100810 103215 S9499F TC-30-HA-14.250.txi

Test Frequency (GHz): 14.250000172

Ref. Level (dBm): -26.62

Points Displayed: 7744

Vertex:

61036 FAST
60128 PACK

Specified Gain (dB): 51.700

Azimuth Beam Center (deg): 180.340

Elevation Beam Center (deg): 1.870

Margin Under Curved (dB): None



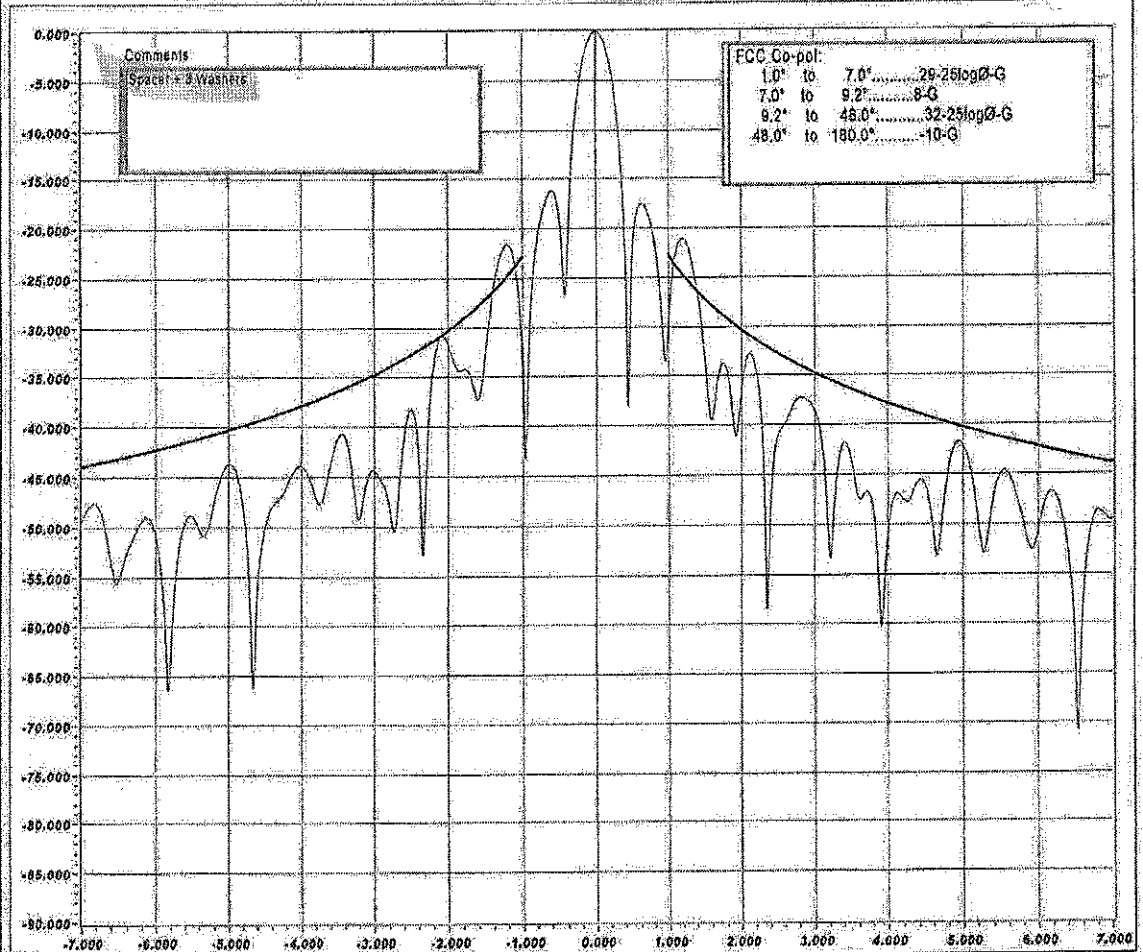
Customer..... NDSatcom
 Date/Local Time..... 8-10-2010 at 102458
 Job Number..... S9499F

Model..... 3.8m
 Location..... Kilgore, Tx
 Weather..... Partly cloudy
 Test Engineer..... Zukowski, W. Zuko
 Spacecraft..... Long Range
 Transponder..... NA

TX...Co-pol...HORZ polarization...14.500 GHz

Azimuth

% Over Curve | 1.1



Y-scale is power level (dB) relative to beam center; x-scale is angle (degrees, cosine corrected) relative to beam center.

SA Freq (Hz)=14500000175, AZ rate (deg/s)=1.002, EL rate (deg/s)=0.430, RBW (Hz)=30, VBW (Hz)=10

File: % 100810 102458 S9499F TC-30-HA-14.500.txt
 Test Frequency (GHz): 14.500000175
 Ref. Level (dBm): -24.15
 # Points Displayed: 7738

VERSIONS
 01030 FAST
 60129 PACK

Specified Gain (dB): 51.800
 Azimuth Beam Center (deg): 180.340
 Elevation Beam Center (deg): 1.870
 Margin Under Curved (dB): None



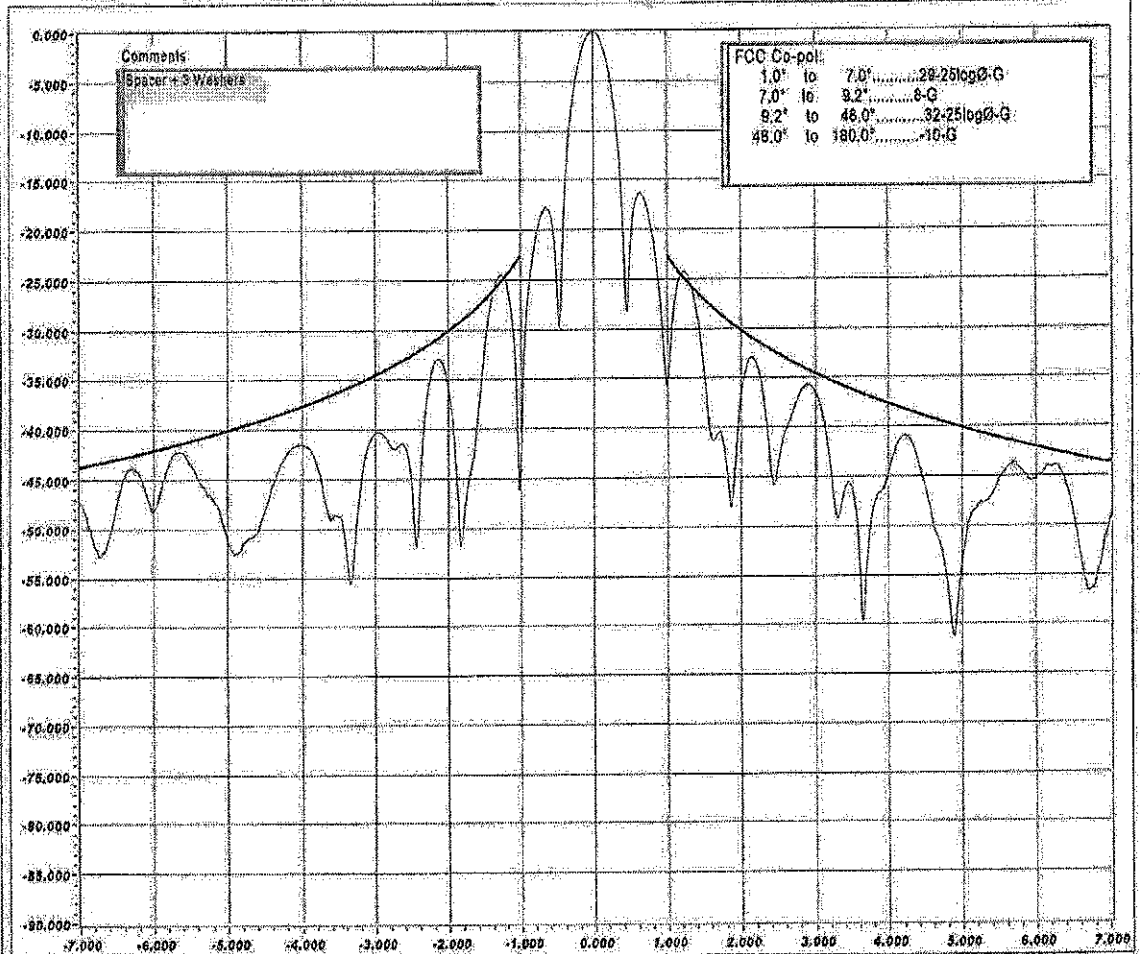
Customer..... NDSatcom
 Date/Local Time.... 8-10-2010 at 121716
 Job Number..... S9499F

Model..... 3.8m
 Location..... Kilgore, TX
 Weather..... Partly cloudy
 Test Engineer.... Zukowski, W. Zuko
 Spacecraft..... Long Range
 Transponder..... NA

TX...Co-pol...VERT polarization... 14.000 GHz

Azimuth

% Over Curve | 0.5



Y-scale is power level (dB) relative to beam center; x-scale is angle (degrees, cosine corrected) relative to beam center.

ISA Freq (Hz)=14000000173, AZ rate (deg/s)=0.997, EL rate (deg/s)=0.430, RBW (Hz)=30, VBW (Hz)=10

File: % 100810 121716 S9499F TC-30-VA-14.000.txt
 Test Frequency (GHz): 14.000000173
 Ref. Level (dBm): -34.76
 # Points Displayed: 7696

Version
 61030 FAST
 60129 PACK

Specified Gain (dB): 51.600
 Azimuth Beam Center (deg): 180.190
 Elevation Beam Center (deg): 1.870
 Margin Under Curved (dB): None



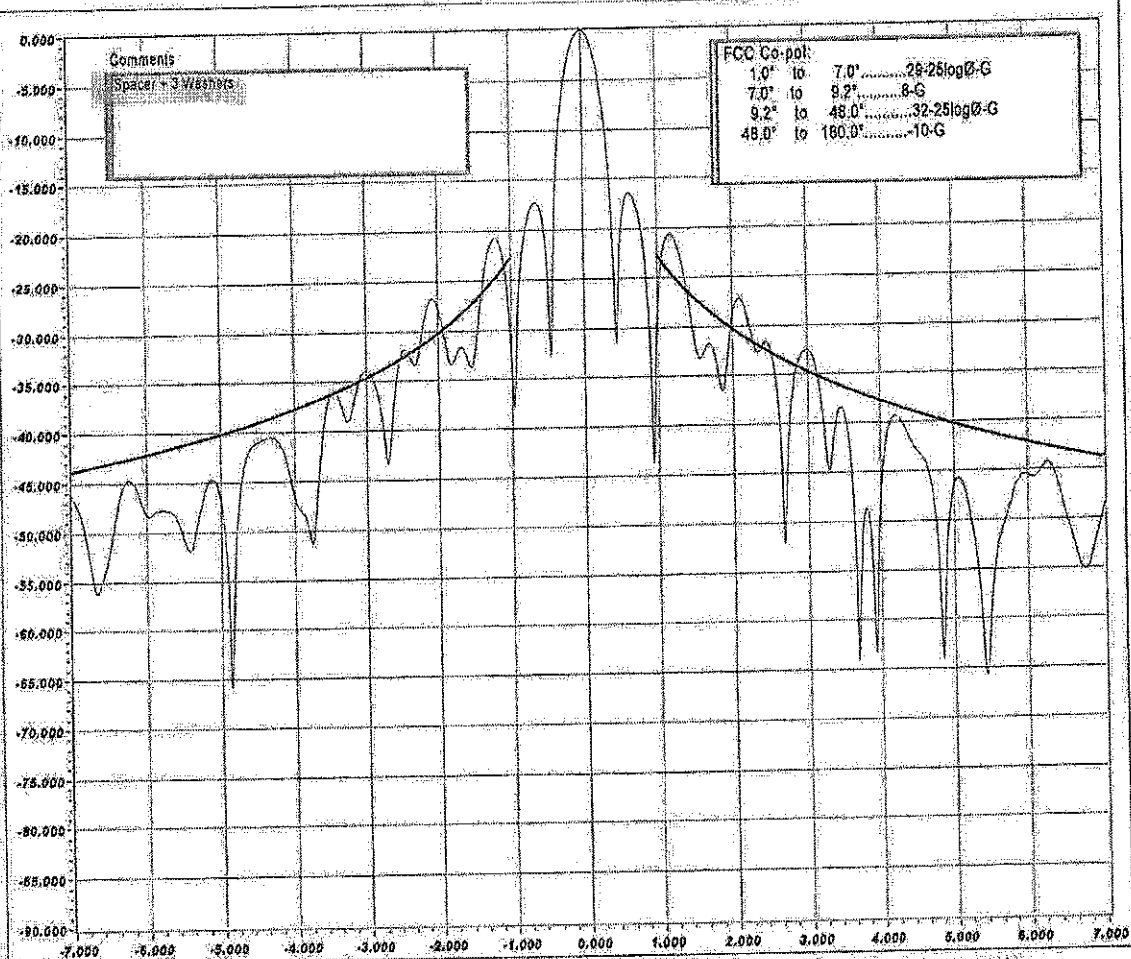
Customer..... NDSatcom
 Date/Local Time..... 8-10-2010 at 120926
 Job Number..... S9499F

Model..... 3.8m
 Location..... Kilgore, Tx
 Weather..... Partly cloudy
 Test Engineer..... Zukowski, W. Zuko
 Spacecraft..... Long Range
 Transponder..... NA

TX...Co-pol...VERT polarization...14.250 GHz

Azimuth

% Over Curve 3.5



Y-scale is power level (dB) relative to beam center; x-scale is angle (degrees, cosine corrected) relative to beam center.
 ISA Freq (Hz)=14250000177, AZ rate (deg/s)=0.997, EL rate (deg/s)=0.430, RBW (Hz)=30, VBW (Hz)=10.

File: % 100810 120926 S9499F TC-30-VA-14.250.txt

Test Frequency (GHz): 14.250000177

Ref. Level (dBm): -26.10

Points Displayed: 7696

Version:
 6100 FAST
 60129 PACK

Specified Gain (dB): 51.700

Azimuth Beam Center (deg): 180.190

Elevation Beam Center (deg): 1.870

Margin Under Curved (dB): None



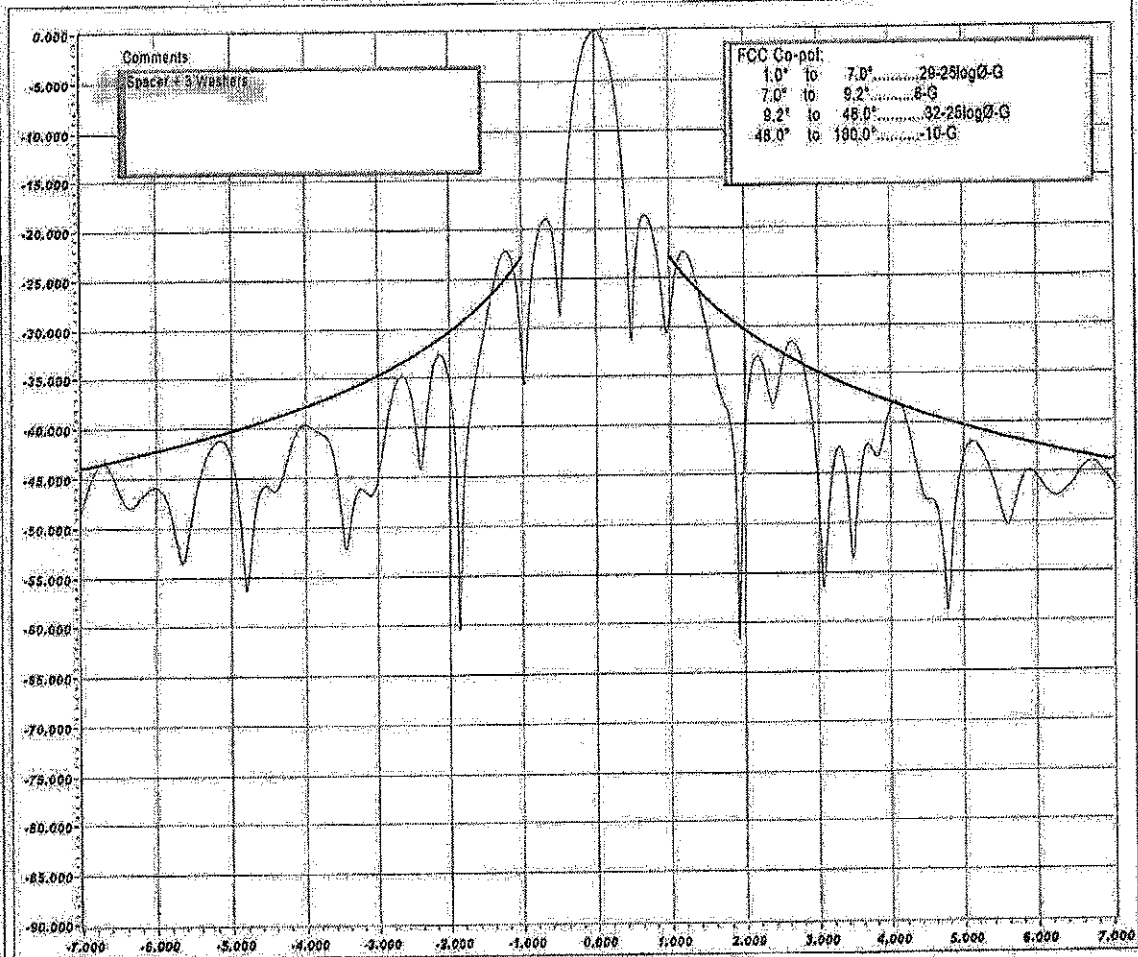
Customer..... NDSatcom
 Date/Local Time.... 8-10-2010 at 122319
 Job Number..... S9499F

Model..... 3.8m
 Location..... Kilgore, TX
 Weather..... Partly cloudy
 Test Engineer.... Zukowski, W. Zuko
 Spacecraft..... Long Range
 Transponder..... NA

TX... Co-pol... VERT polarization... 14.500 GHz

Azimuth

% Over Curve 1.7



Y-scale is power level (dB) relative to beam center; x-scale is angle (degrees, cosine corrected) relative to beam center.

ISA Freq (Hz)=14500000180, AZ rate (deg/s)=0.997, EL rate (deg/s)=0.430, RBW (Hz)=30, VBW (Hz)=10

File: % 100810 122319 S9499F TC-30-VA-14.500.txt

Test Frequency (GHz): 14.500000180

Ref. Level (dBm): -23.45

Points Displayed: 7700

Version
 E1030 FAST
 S0139 PACK

Specified Gain (dB): 51.800

Azimuth Beam Center (deg): 180.190

Elevation Beam Center (deg): 1.870

Margin Under Curved (dB): None