

Call sign #E170090- 9.0m Antenna Earth Station- Updated Tx radiation patterns:

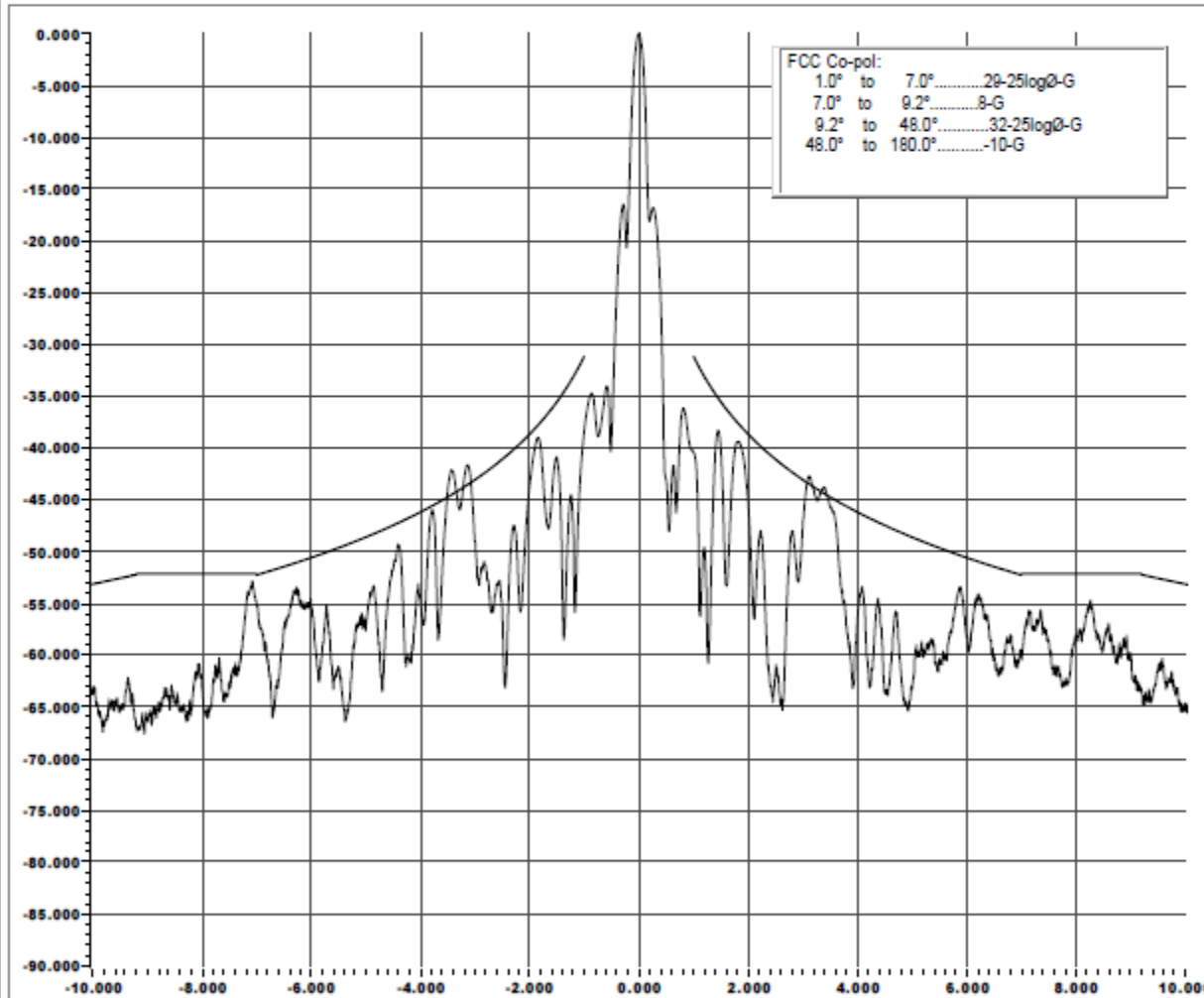


Customer..... SES
 Date/Local Time.... 5-16-2019 at 222606
 Job Number..... 1825021

Model..... 9.0m KPK
 Location..... South Mountain CA.
 Weather..... Partly cloudy
 Test Engineer.... Jeff Anderson
 Spacecraft..... SES 10
 Transponder..... MCV60

TX...Co-pol...VERT polarization...14.170 GHz

Azimuth



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

SA Freq (Hz)=2119997088, AZ rate (deg/s)=2.802, EL rate (deg/s)=0.427, RBW (Hz)=300, VBW (Hz)=1

File:

Test Frequency (GHz):

Ref. Level (dBm):

Points Displayed:

Versions
 60227 FAST
 60118 PACK

Specified Gain (dB):

Azimuth Beam Center (deg):

Elevation Beam Center (deg):

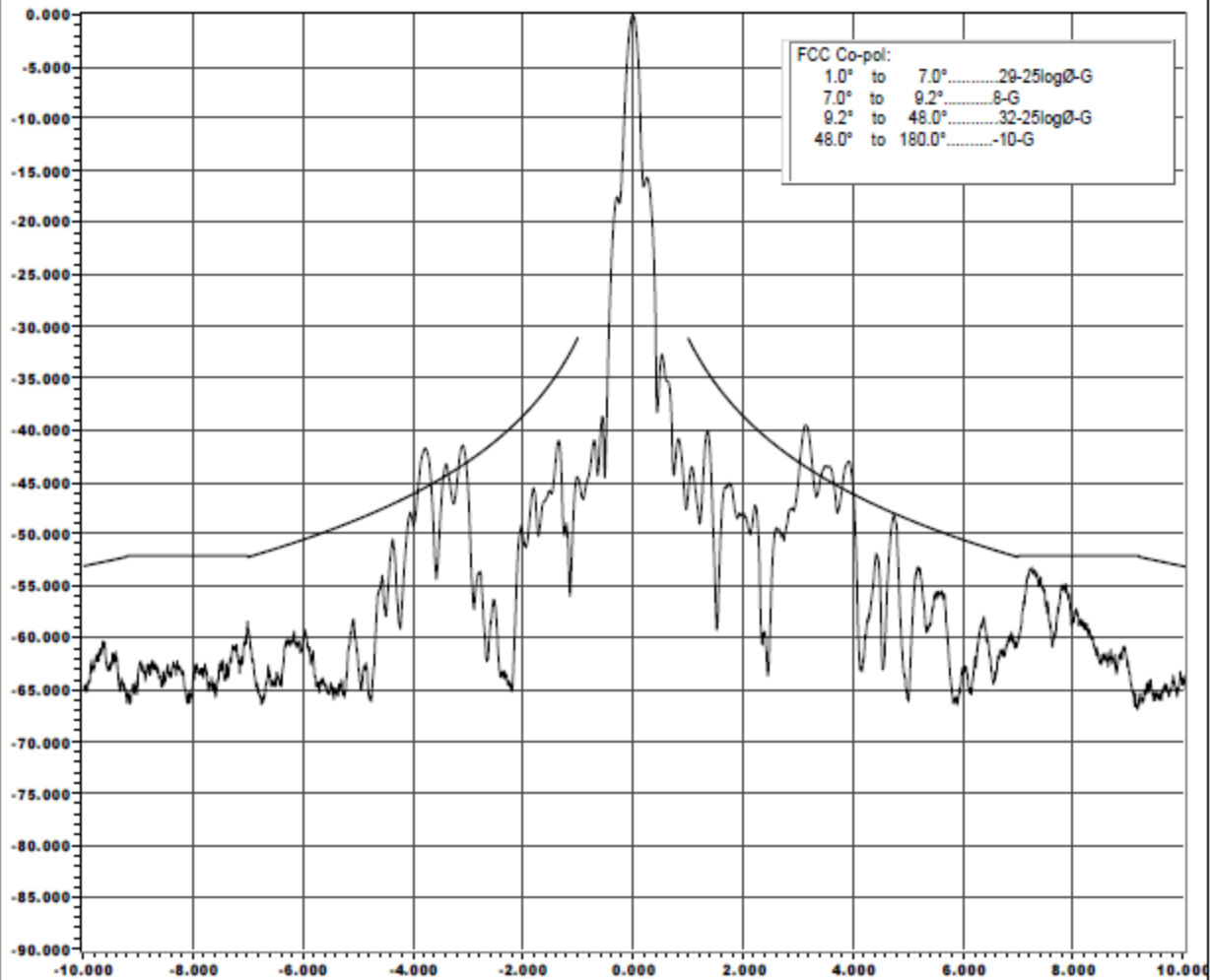
Margin Under Curved (dB):



Customer..... SES
 Date/Local Time..... 5-16-2019 at 222829
 Job Number..... 1825021

Model..... 9.0m KPK
 Location..... South Mountain CA.
 Weather..... Partly cloudy
 Test Engineer..... Jeff Anderson
 Spacecraft..... SES 10
 Transponder..... MCV60

TX...Co-pol...VERT polarization...14.170 GHz
 Elevation



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

SA Freq (Hz)=2119997088, AZ rate (deg/s)=2.802, EL rate (deg/s)=0.427, RBW (Hz)=300, VBW (Hz)=1

File: % 190516 222829 1825021 TC-10-VE-2.120.txt

Specified Gain:

Test Frequency (GHz): 14.170000000

Azimuth Beam Center (deg): 113.450

Ref. Level (dBm): -32.66

Elevation Beam Center (deg): 22.640

Points Displayed: 8192

Margin Under Curve (dB): None

Versions
 60227 FAST
 60118 PACK

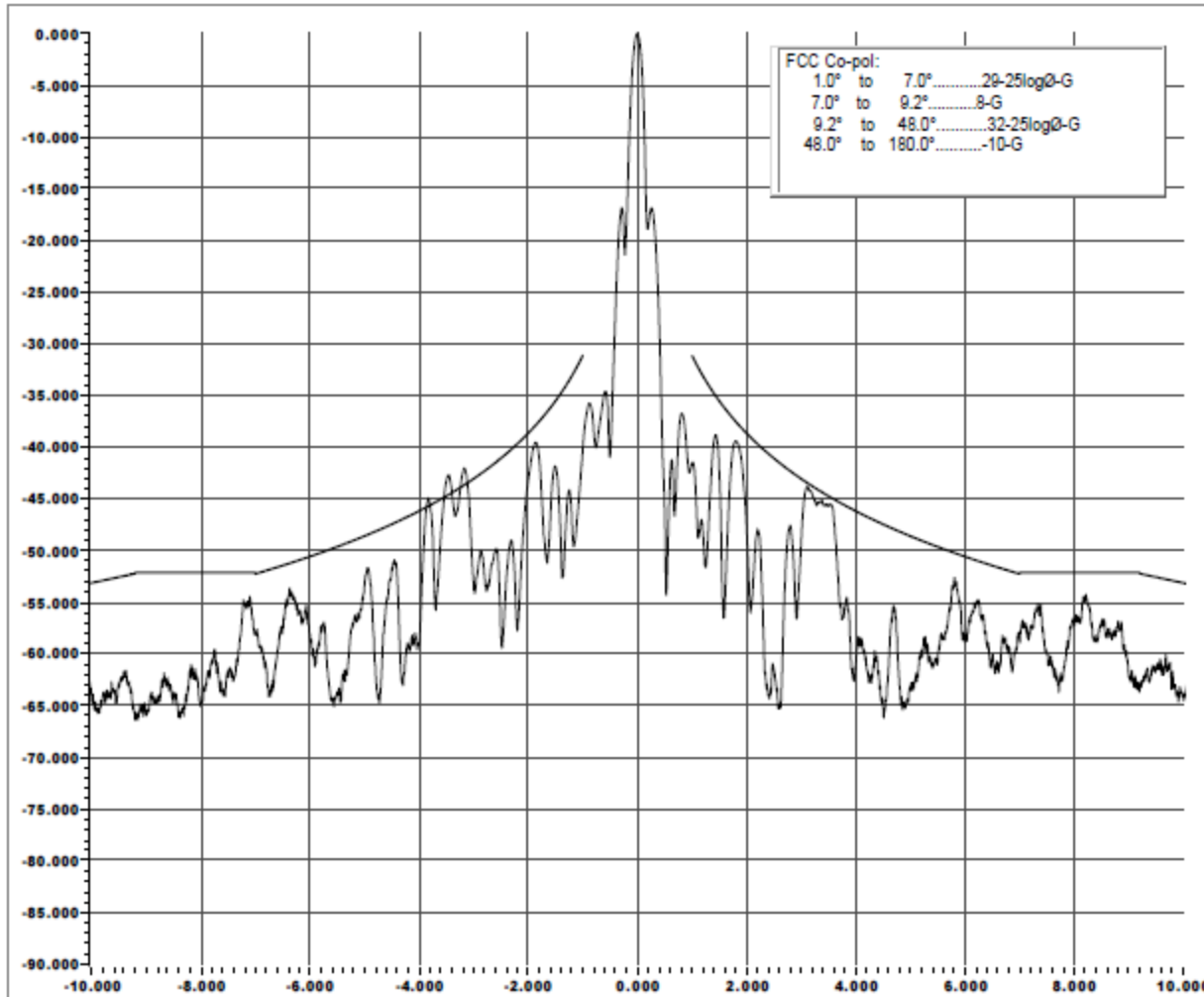


Customer..... SES
Date/Local Time.... 5-16-2019 at 233107
Job Number..... 1825021

Model..... 9.0m KPK
Location..... South Mountain CA.
Weather..... Partly cloudy
Test Engineer.... Jeff Anderson
Spacecraft..... SES 10
Transponder..... MCV60

TX...Co-pol...HORZ polarization...14.170 GHz

Azimuth



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

SA Freq (Hz)=2119997088, AZ rate (deg/s)=2.802, EL rate (deg/s)=0.427, RBW (Hz)=300, VBW (Hz)=1

File:	% 190516 233107 1825021 TC-12-HA-2.120.txt	Specified Gain (dB):	
Test Frequency (GHz):	14.17000000	Azimuth Beam Center (deg):	113.450
Ref. Level (dBm):	-34.99	Elevation Beam Center (deg):	22.640
# Points Displayed:	8192	Margin Under Curved (dB):	None

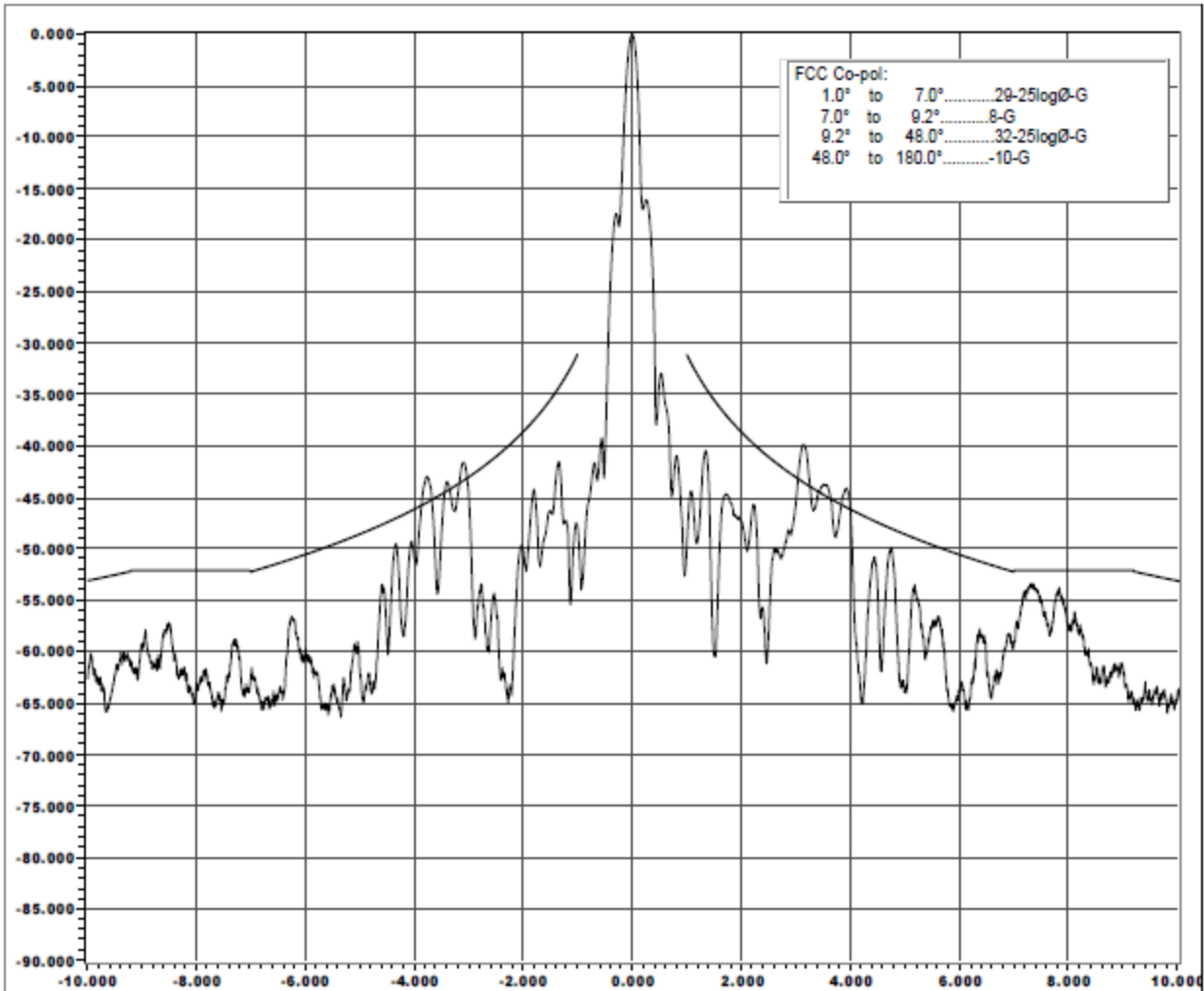
Versions
60227 FAST
60118 PACK



Customer..... SES
Date/Local Time..... 5-16-2019 at 233136
Job Number..... 1825021

Model..... 9.0m KPK
Location..... South Mountain CA.
Weather..... Partly cloudy
Test Engineer..... Jeff Anderson
Spacecraft..... SES 10
Transponder..... MCV60

TX...Co-pol...HORZ polarization...14.170 GHz
Elevation



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

SA Freq (Hz)=2119997088, AZ rate (deg/s)=2.802, EL rate (deg/s)=0.427, RBW (Hz)=300, VBW (Hz)=1

File: % 190516 233136 1825021 TC-10-HE-2.120.txt

Test Frequency (GHz): 14.17000000

Ref. Level (dBm): -34.75

Points Displayed: 8192

Versions
60227 FAST
60118 PACK

Specified Gain:

Azimuth Beam Center (deg): 113.450

Elevation Beam Center (deg): 22.640

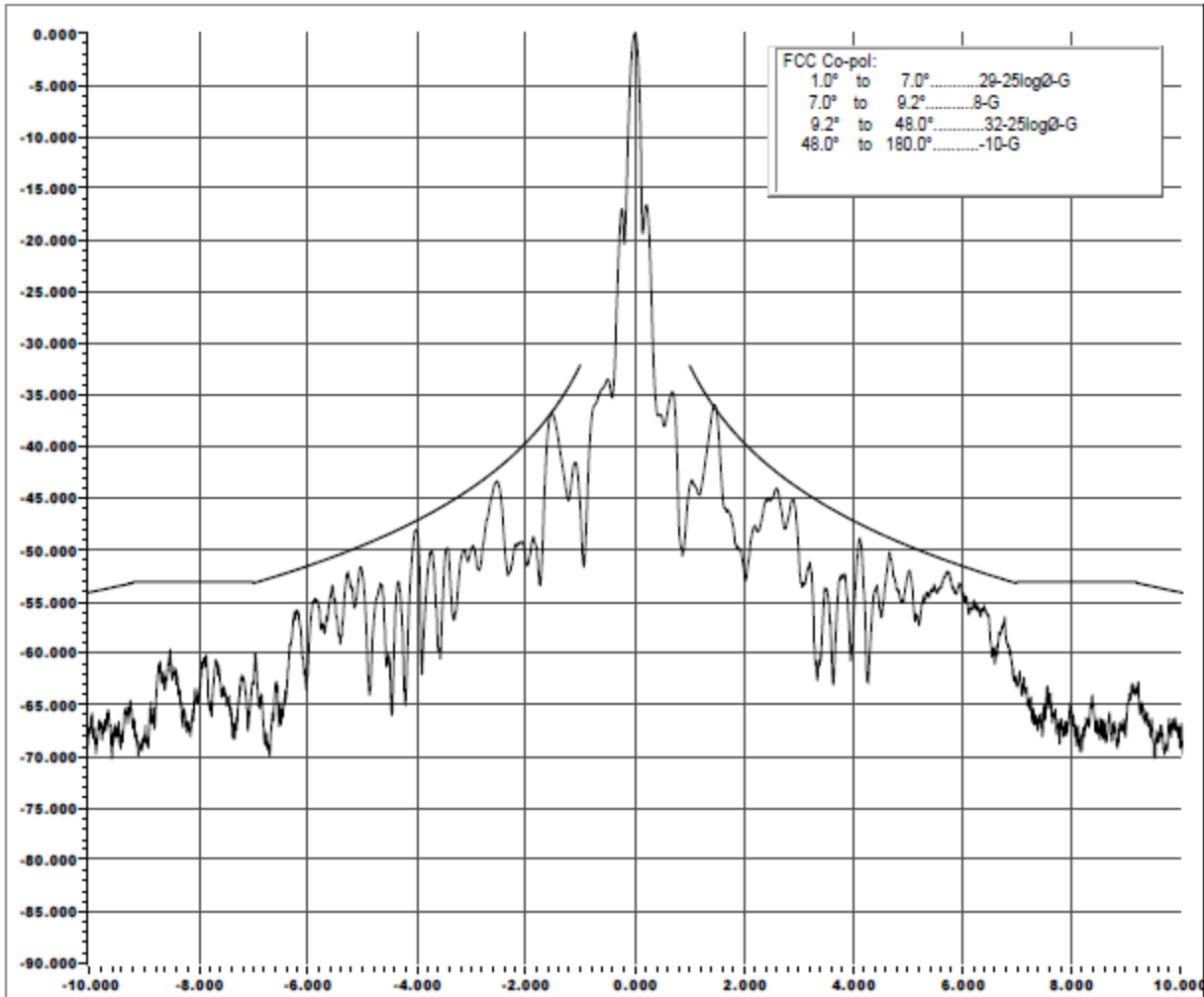
Margin Under Curve (dB): None



Customer..... SES
 Date/Local Time.... 5-15-2019 at 015203
 Job Number..... 1381927

Model..... 9.0m KPK
 Location..... South Mountain CA.
 Weather..... Partly cloudy
 Test Engineer.... Jeff Anderson
 Spacecraft..... SES 10
 Transponder..... MCV60

TX...Co-pol...VERT polarization...17.502 GHz
 Azimuth



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

SA Freq (Hz)=1401977966, AZ rate (deg/s)=2.802, EL rate (deg/s)=0.427, RBW (Hz)=100, VBW (Hz)=1

File: % 190515 015203 1381927 TC-11-VA-1.402.txt

Test Frequency (GHz): 17.50200000
 Ref. Level (dBm): -26.61
 # Points Displayed: 8192

Versions
 60227 FAST
 60118 PACK

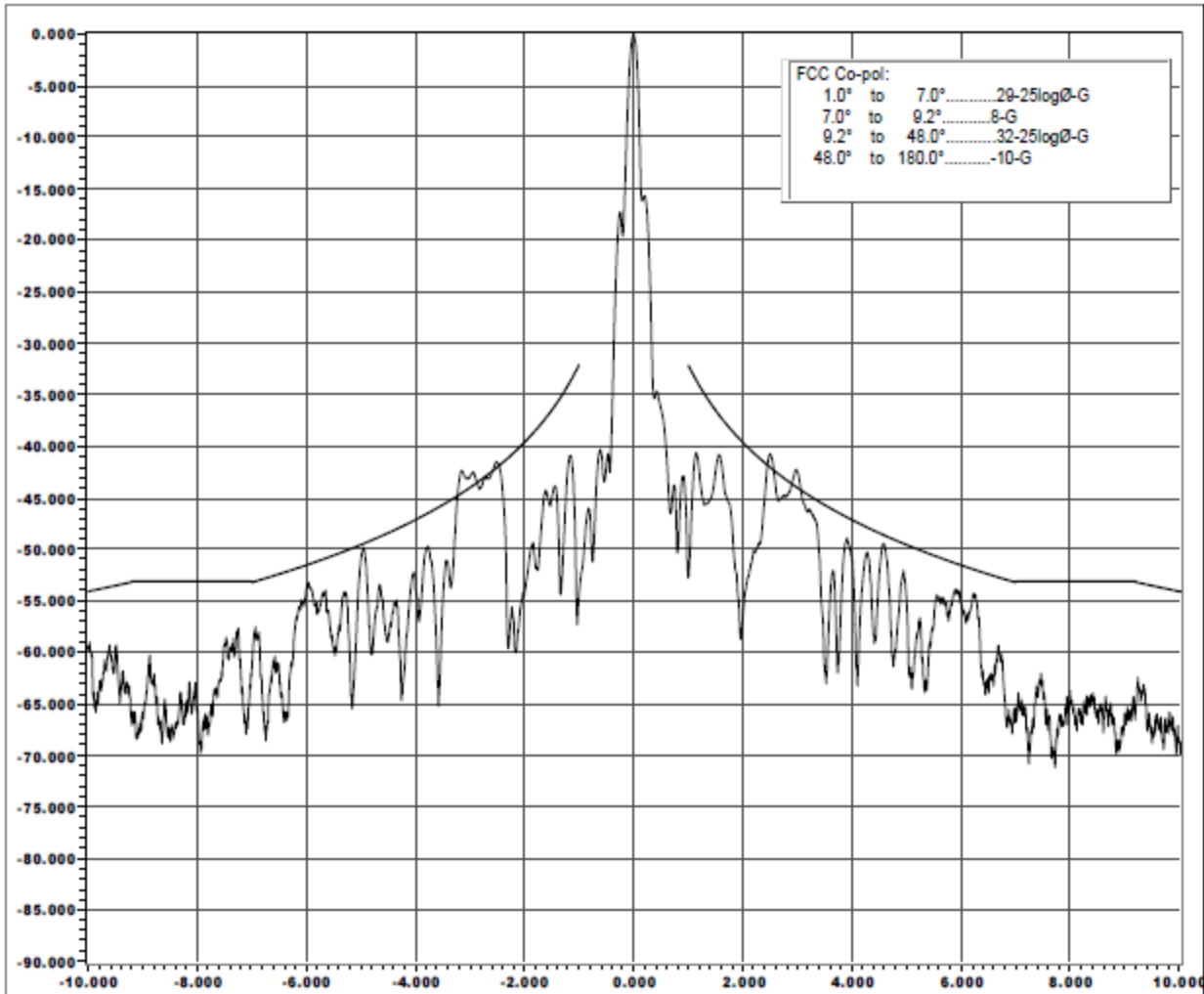
Specified Gain (dB): NA
 Azimuth Beam Center (deg): 113.760
 Elevation Beam Center (deg): 22.640
 Margin Under Curved (dB): None



Customer..... SES
Date/Local Time..... 5-15-2019 at 015234
Job Number..... 1381927

Model..... 9.0m KPK
Location..... South Mountain CA.
Weather..... Partly cloudy
Test Engineer..... Jeff Anderson
Spacecraft..... SES 10
Transponder..... MCV60

TX...Co-pol...VERT polarization...17.502 GHz
Elevation



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

SA Freq (Hz)=1401977966, AZ rate (deg/s)=2.802, EL rate (deg/s)=0.427, RBW (Hz)=100, VBW (Hz)=1

File: % 190515 015234 1381927 TC-10-VE-1.402.txt

Specified Gain: NA

Test Frequency (GHz): 17.502000000

Azimuth Beam Center (deg): 113.760

Ref. Level (dBm): -27.31

Elevation Beam Center (deg): 22.640

Points Displayed: 8192

Versions
60227 FAST
60118 PACK

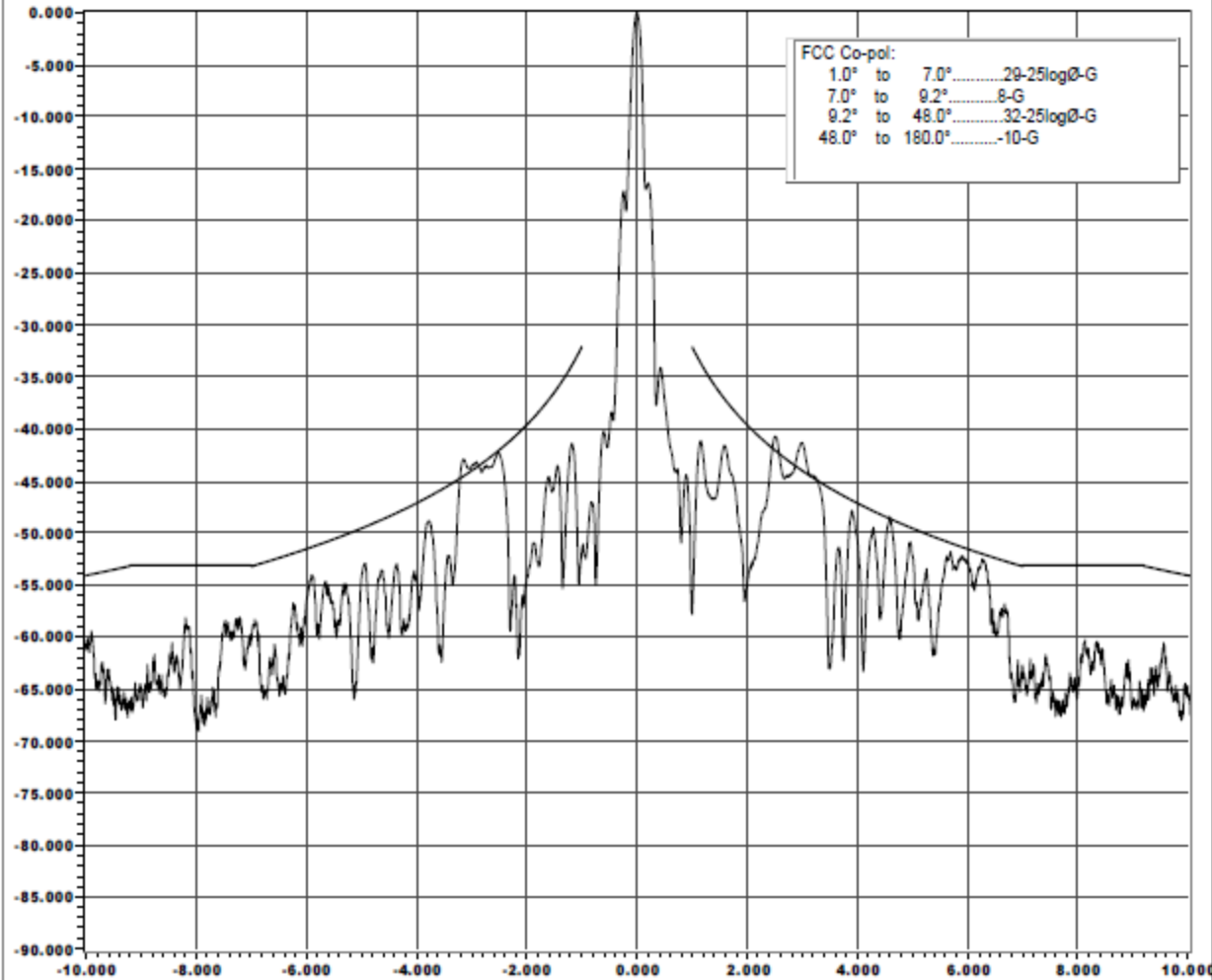
Margin Under Curve (dB): None



Customer..... SES
Date/Local Time..... 5-15-2019 at 025702
Job Number..... 1381927

Model..... 9.0m KPK
Location..... South Mountain CA.
Weather..... Partly cloudy
Test Engineer..... Jeff Anderson
Spacecraft..... SES 10
Transponder..... MCV60

TX...Co-pol...HORZ polarization...17.502 GHz
Elevation



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

SA Freq (Hz)=1401977986, AZ rate (deg/s)=2.802, EL rate (deg/s)=0.427, RBW (Hz)=100, VBW (Hz)=1

File: % 190515 025702 1381927 TC-10-HE-1.402.txt

Specified Gain: []

Test Frequency (GHz): 17.50200000

Azimuth Beam Center (deg): 113.760

Ref. Level (dBm): -28.05

Elevation Beam Center (deg): 22.640

Points Displayed: 8192

Margin Under Curve (dB): None