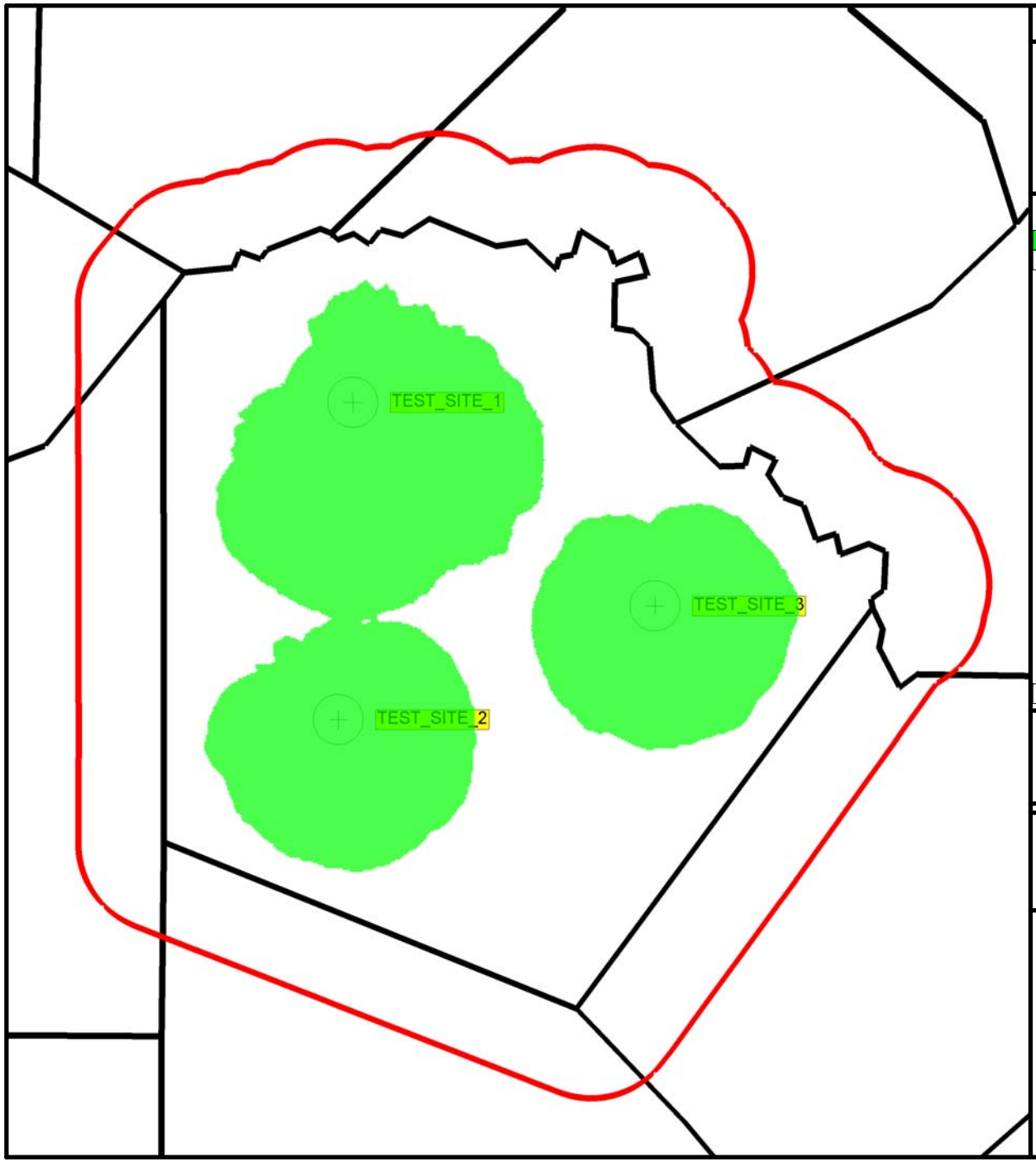


SIGNAL™: REGION53 - SAMPLE

Prop. model 1: Okumura (Hata)
Time: 50.0% Loc.: 50.0%
Prediction Confidence Margin: 0.0dB
Climate: Continental Temperate
Land use (clutter): USGS-EDX format (.151 files)
Atmospheric Abs.: none
K Factor: 1.333

Field strength at remote

> 50.0 dBuV/m Signal stronger than 50 dBuV/m
< 50.0 dBuV/m

Display threshold level: -250.0 dBmW
RX Antenna - Type: OMNI
Height: 1.8 m AGL Gain: 0.00 dBd

Sites

Site: TEST_SITE_1
N29°36'46.10" W98°37'51.74" 330.7 m
TEST_SIT Tx.Ht.AGL: 120.0 m Total ERPd: 300.00 W
Model: 1 omni-vertical/0.0° 770.0000 MHz

Site: TEST_SITE_2
N29°21'09.02" W98°38'39.64" 197.3 m
TEST_SI2 Tx.Ht.AGL: 110.0 m Total ERPd: 200.00 W
Model: 1 omni-vertical/0.0° 770.0000 MHz

Site: TEST_SITE_3
N29°26'44.22" W98°20'49.72" 225.0 m
TEST_SI3 Tx.Ht.AGL: 90.0 m Total ERPd: 150.00 W
Model: 1 omni-vertical/0.0° 770.0000 MHz

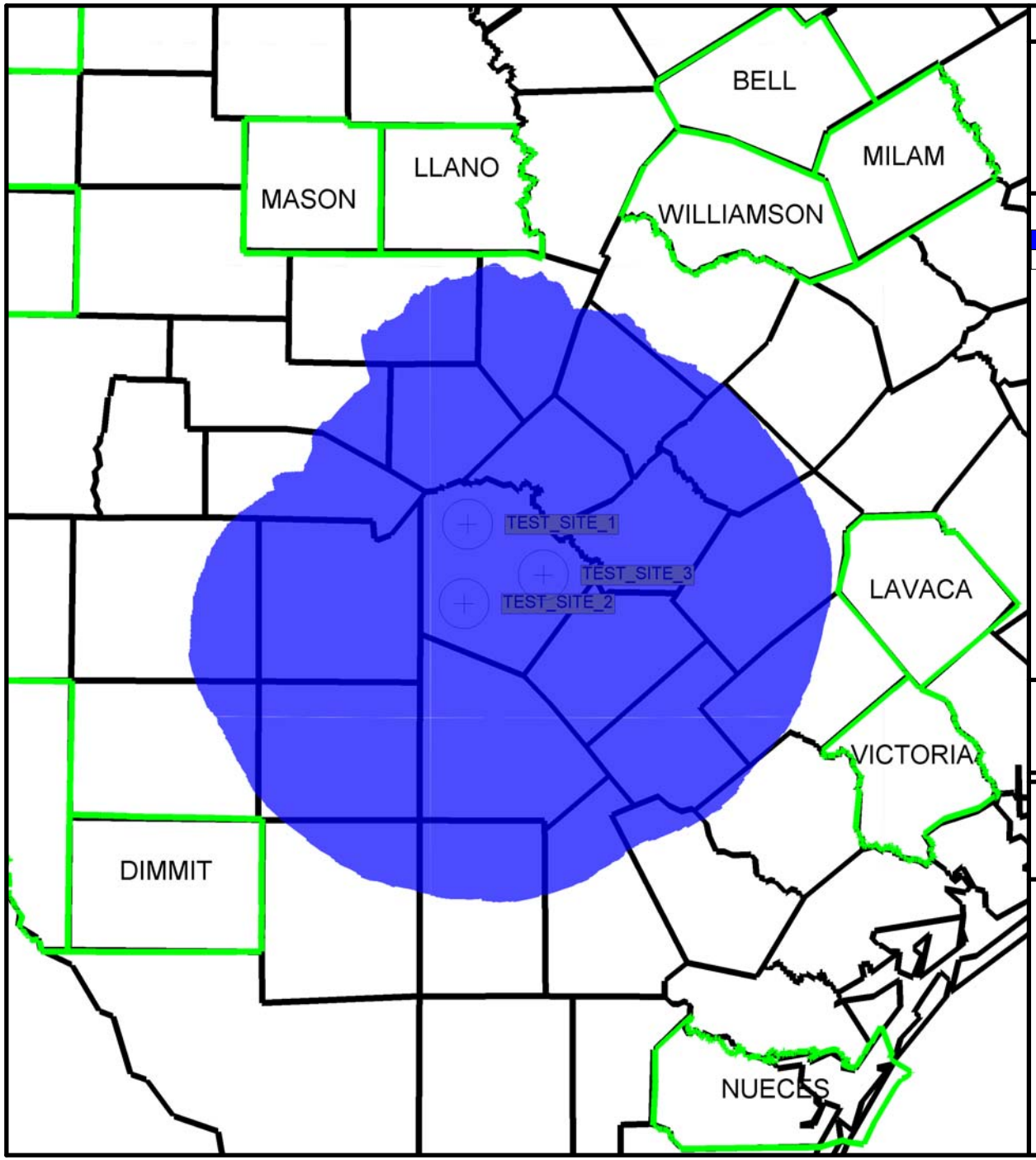
5 MILE BUFFER

KILOMETERS
-5 0 20

PROPAGATION SOFTWARE: EDX Wireless

REGION 53 INTERFERENCE ANALYSIS

RESPONSIBLE RADIATION STUDY NOVEMBER 2011



SIGNAL™: REGION53 - SAMPLE

Prop. model 1: Okumura (Hata)
Time: 50.0% Loc.: 50.0%
Prediction Confidence Margin: 0.0dB
Climate: Continental Temperate
Land use (clutter): USGS-EDX format (.151 files)
Atmospheric Abs.: none
K Factor: 1.333

Field strength at remote

> 5.0 dBuV/m Signal stronger than 5 dBuV/m
< 5.0 dBuV/m

Display threshold level: -250.0 dBmW
RX Antenna - Type: OMNI
Height: 1.8 m AGL Gain: 0.00 dBd

Sites

Site: TEST_SITE_1
N29°36'46.10" W98°37'51.74" 330.7 m
TEST_SIT Tx.Ht.AGL: 120.0 m Total ERPd: 300.00 W
Model: 1 omni-vertical/0.0° 770.0000 MHz

Site: TEST_SITE_2
N29°21'09.02" W98°38'39.64" 197.3 m
TEST_SI2 Tx.Ht.AGL: 110.0 m Total ERPd: 200.00 W
Model: 1 omni-vertical/0.0° 770.0000 MHz

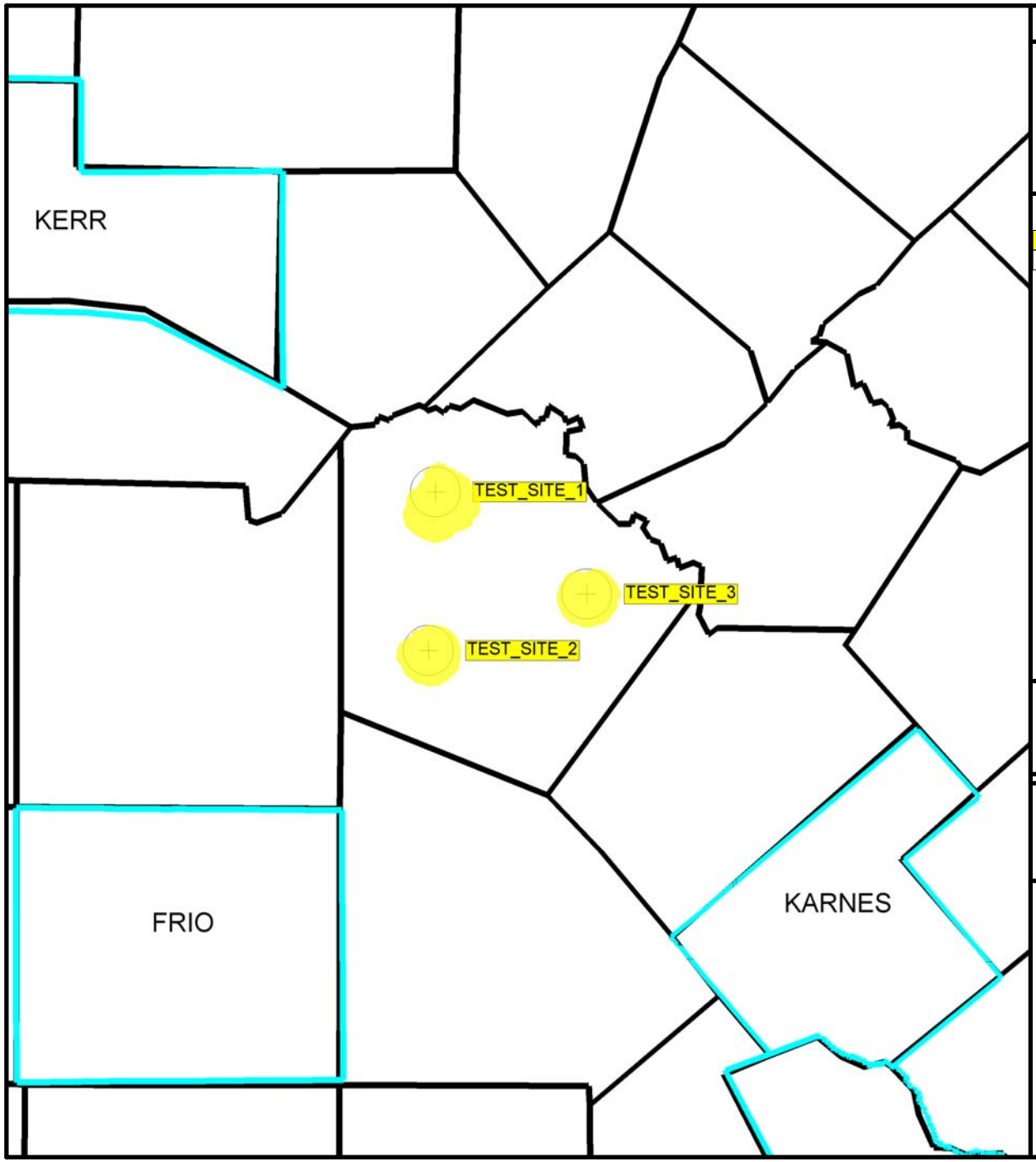
Site: TEST_SITE_3
N29°26'44.22" W98°20'49.72" 225.0 m
TEST_SI3 Tx.Ht.AGL: 90.0 m Total ERPd: 150.00 W
Model: 1 omni-vertical/0.0° 770.0000 MHz

KILOMETERS
-25 0 75

PROPAGATION SOFTWARE: EDX Wireless

REGION 53 INTERFERENCE ANALYSIS

CO-CHANNEL INTERFERENCE STUDY NOVEMBER 2011



SIGNAL™: REGION53 - SAMPLE

Prop. model 1: Okumura (Hata)
Time: 50.0% Loc.: 50.0%
Prediction Confidence Margin: 0.0dB
Climate: Continental Temperate
Land use (clutter): USGS-EDX format (.151 files)
Atmospheric Abs.: none
K Factor: 1.333

Field strength at remote

> 60.0 dBuV/m Signal stronger than 60 dBuV/m
< 60.0 dBuV/m

Display threshold level: -250.0 dBmW
RX Antenna - Type: OMNI
Height: 1.8 m AGL Gain: 0.00 dBd

Sites

Site: TEST_SITE_1
N29°36'46.10" W98°37'51.74" 330.7 m
TEST_SIT Tx.Ht.AGL: 120.0 m Total ERPd: 300.00 W
Model: 1 omni-vertical/0.0° 770.0000 MHz

Site: TEST_SITE_2
N29°21'09.02" W98°38'39.64" 197.3 m
TEST_SI2 Tx.Ht.AGL: 110.0 m Total ERPd: 200.00 W
Model: 1 omni-vertical/0.0° 770.0000 MHz

Site: TEST_SITE_3
N29°26'44.22" W98°20'49.72" 225.0 m
TEST_SI3 Tx.Ht.AGL: 90.0 m Total ERPd: 150.00 W
Model: 1 omni-vertical/0.0° 770.0000 MHz

KILOMETERS
-25 0 25

PROPAGATION SOFTWARE: EDX Wireless
REGION 53 INTERFERENCE ANALYSIS
ADJACENT-CHANNEL INTERFERENCE STUDY NOVEMBER 2011