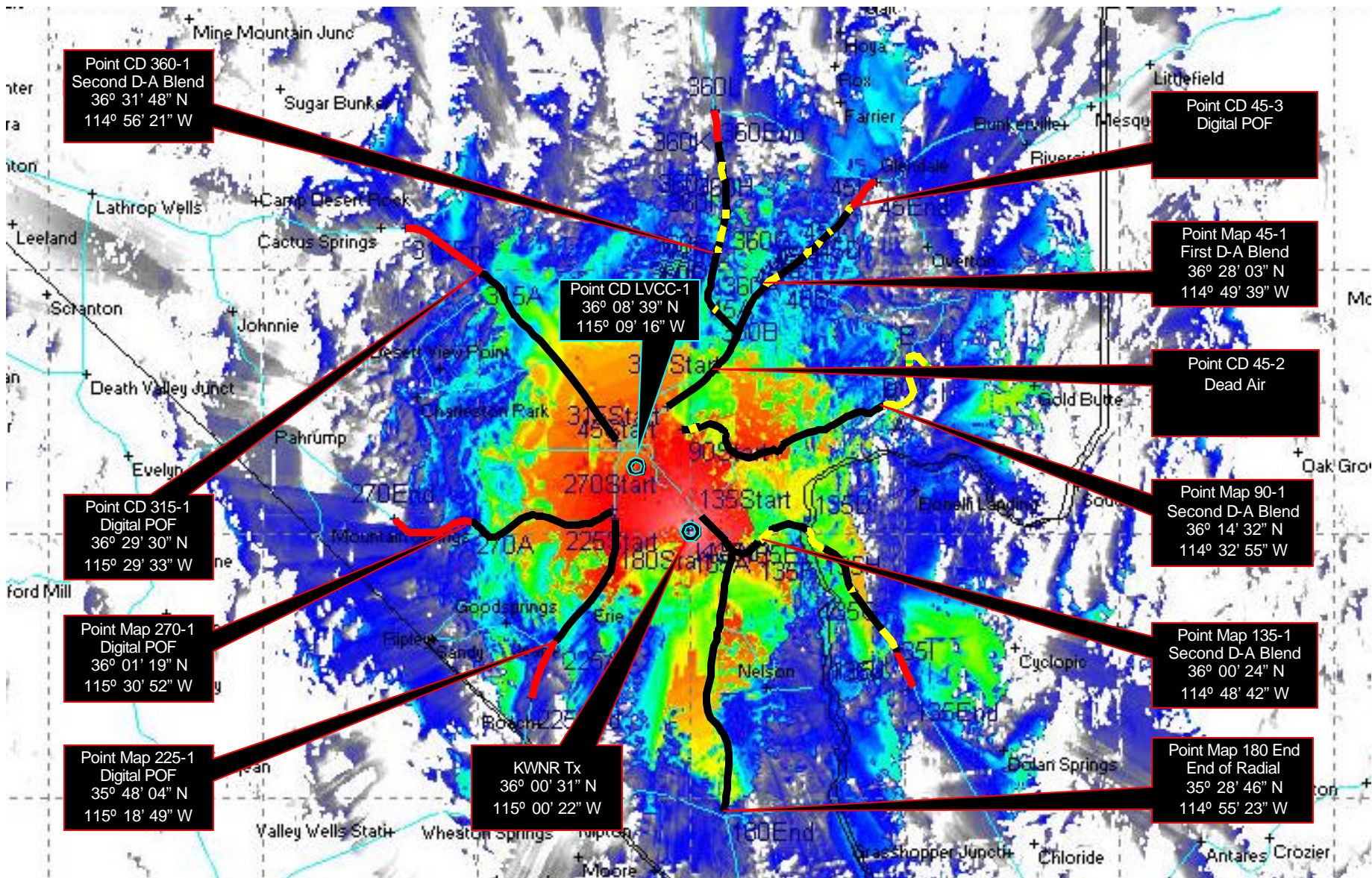


Map A – KWNR IBOC Coverage Map

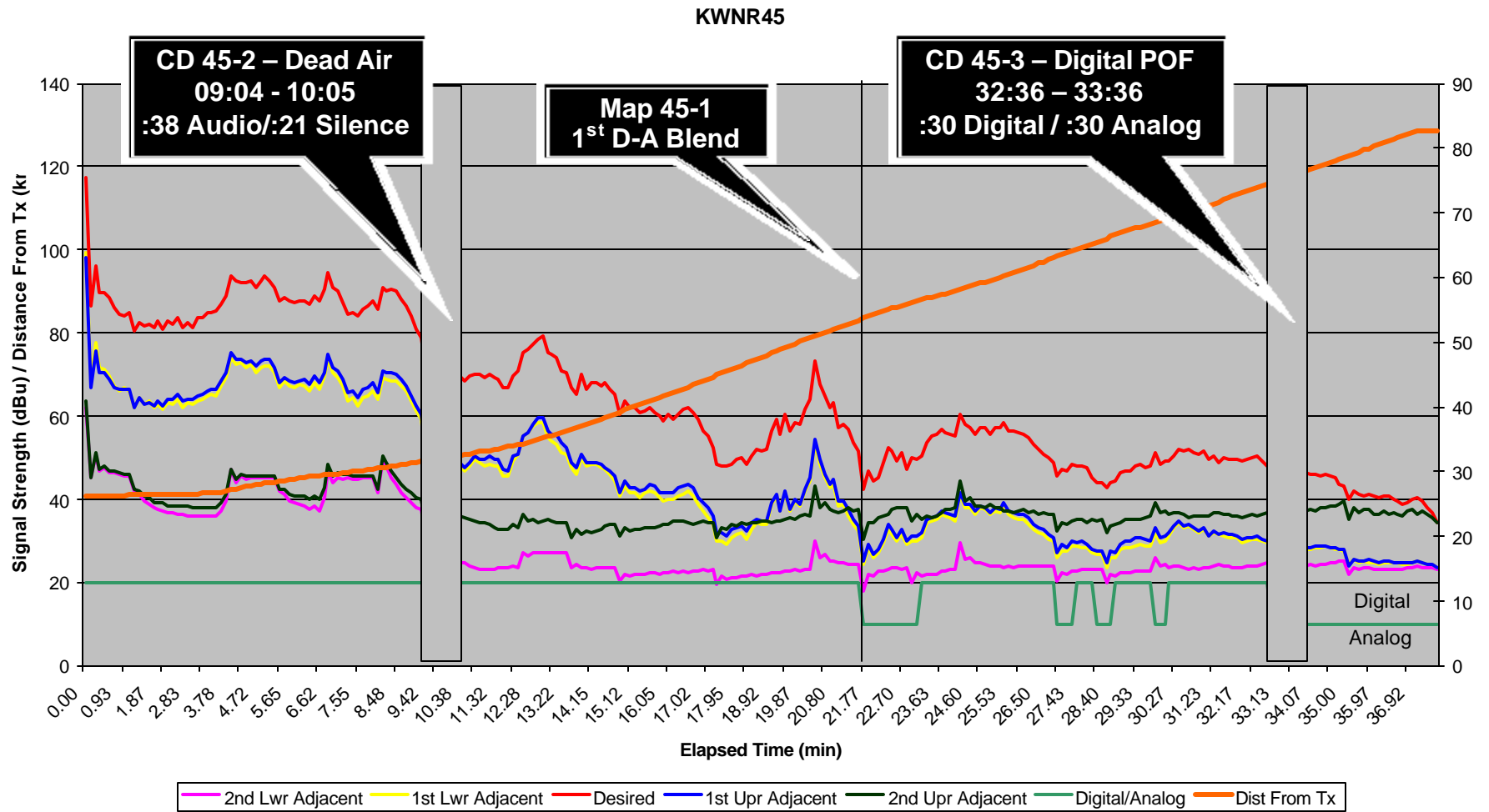


Legend – Predicted Field Intensity

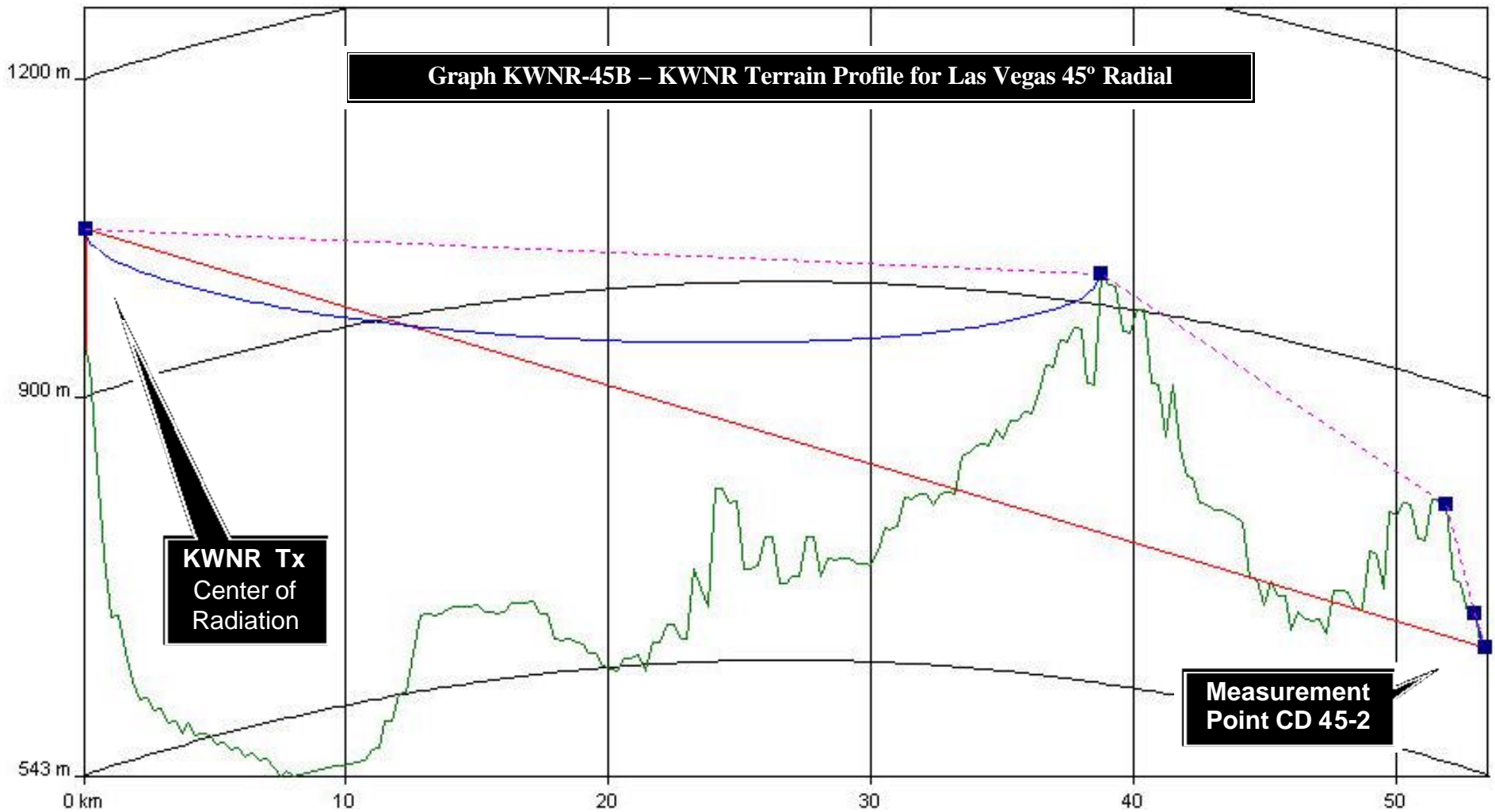
Scale: 1" = 24 km



Map B – KWNR Propagation Prediction Map



Graph KWNR-45A – KWNR Strip-Chart Recording for Las Vegas 45° Radial



KWNR Tx

Lat: 36-00-31N
 Lon: 115-00-22W
 AMSL: 943m
 Tower AGL: 116m

Point CD 45-2

Lat: 36-28-03N
 Lon: 114-49-39W
 AMSL: 661m
 Tower AGL: 2m

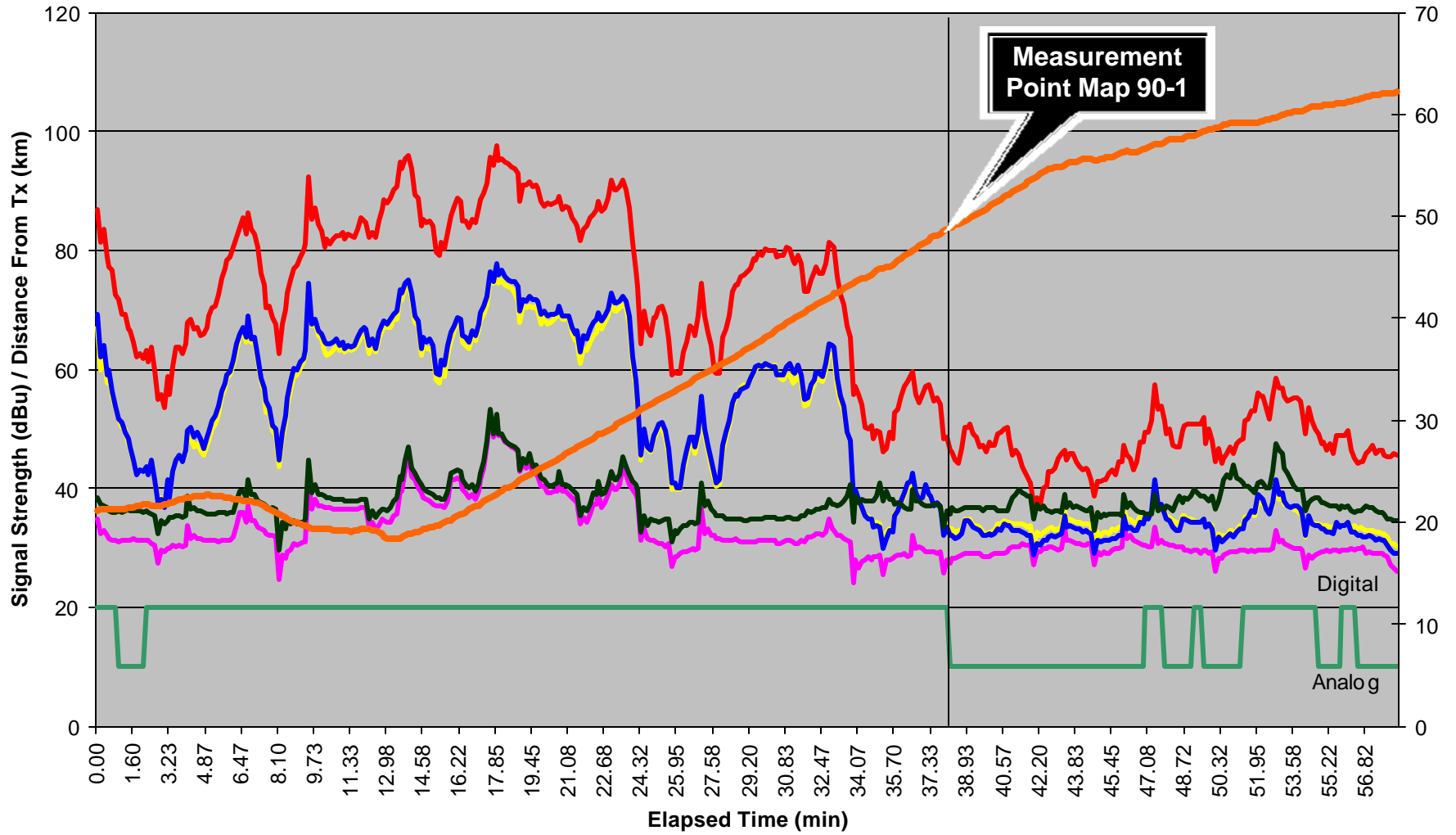
Profile Info

Distance: 53.48Km
 Bearing: 17.38deg
 # of points: 200
 K value: 1.333
 Frequency: 95.50
 Clearance: 0.60

Losses

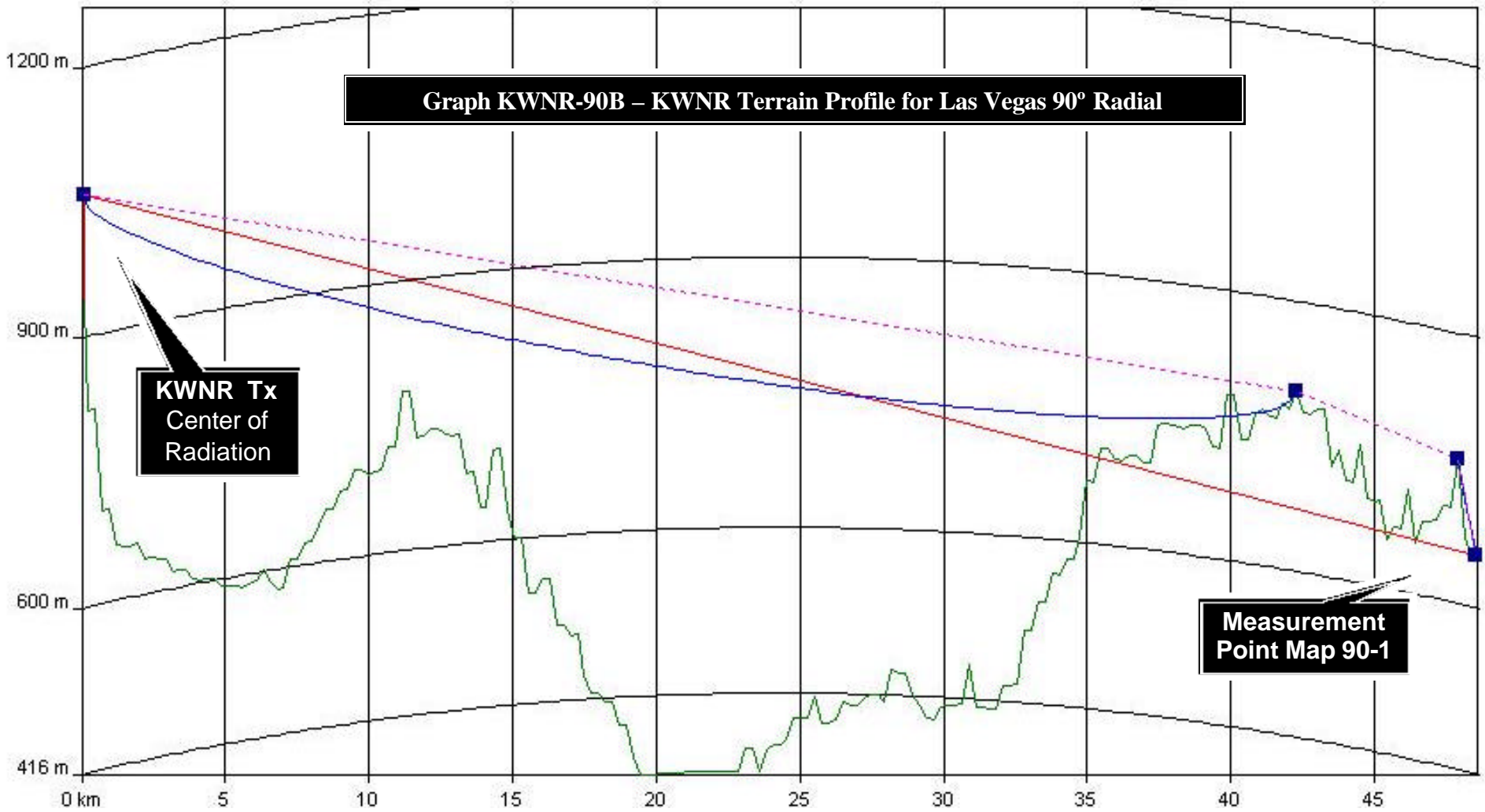
Free space: 106.6dB
 Plane earth: 140.5dB
 Diffraction: 21.6dB
 Fresnel: 4.4dB

KWNR90



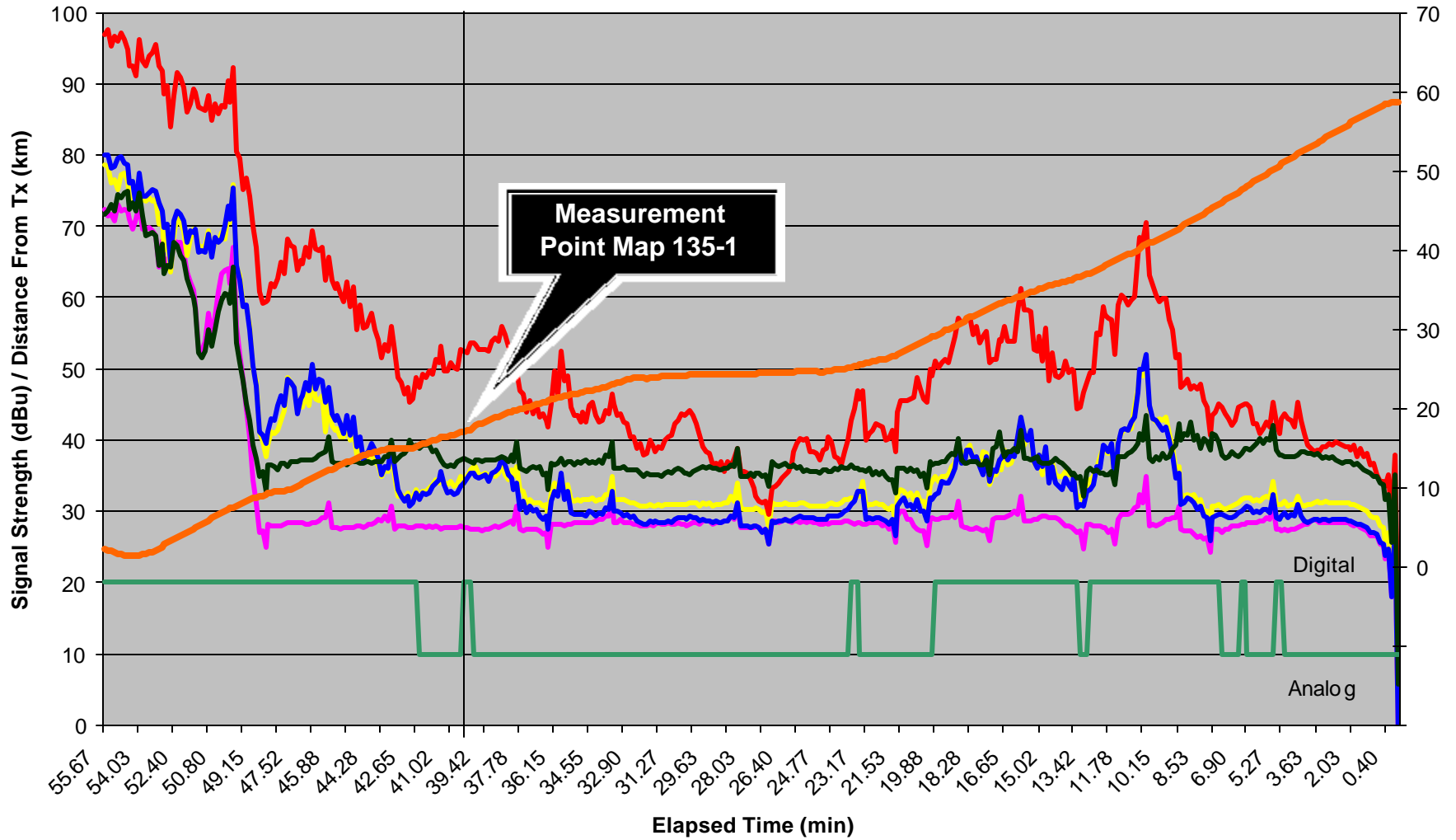
2nd Lwr Adjacent 1st Lwr Adjacent Desired 1st Upr Adjacent 2nd Upr Adjacent Digital/Analog Dist From Tx

Graph KWNR-90A – KWNR Strip-Chart Recording for Las Vegas 90° Radial



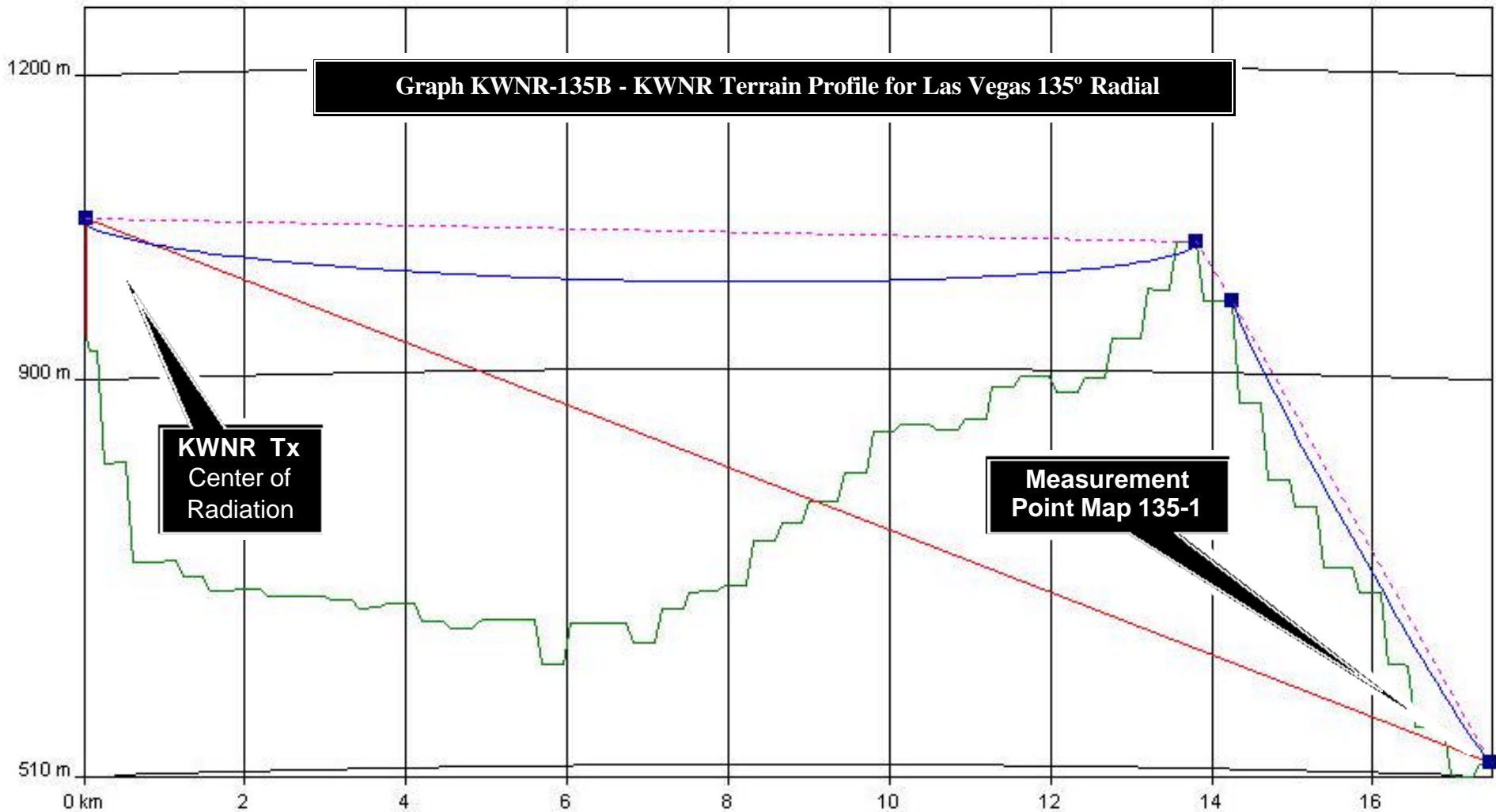
KWNR Tx		Map 90-1		Profile Info		Losses	
Lat:	36-00-31N	Lat:	36-14-32N	Distance:	48.61Km	Free space:	105.8dB
Lon:	115-00-22W	Lon:	114-32-55W	Bearing:	57.57deg	Plane earth:	138.9dB
AMSL:	943m	AMSL:	656m	# of points:	200	Diffraction:	12.8dB
Tower AGL:	116m	Tower AGL:	2m	K value:	1.333	Fresnel:	10.2dB
				Frequency:	95.50		
				Clearance:	0.60		

KWNR135



2nd Lwr Adjacent 1st Lwr Adjacent Desired 1st Upr Adjacent 2nd Upr Adjacent Digital/Analog Dist From Tx

Graph KWNR-135A – KWNR Strip-Chart Recording for Las Vegas 135° Radial



KWNR Tx

Lat: 36-00-31N
 Lon: 115-00-22W
 AMSL: 943m
 Tower AGL: 116m

Map 135-1

Lat: 36-00-24N
 Lon: 114-48-42W
 AMSL: 521m
 Tower AGL: 2m

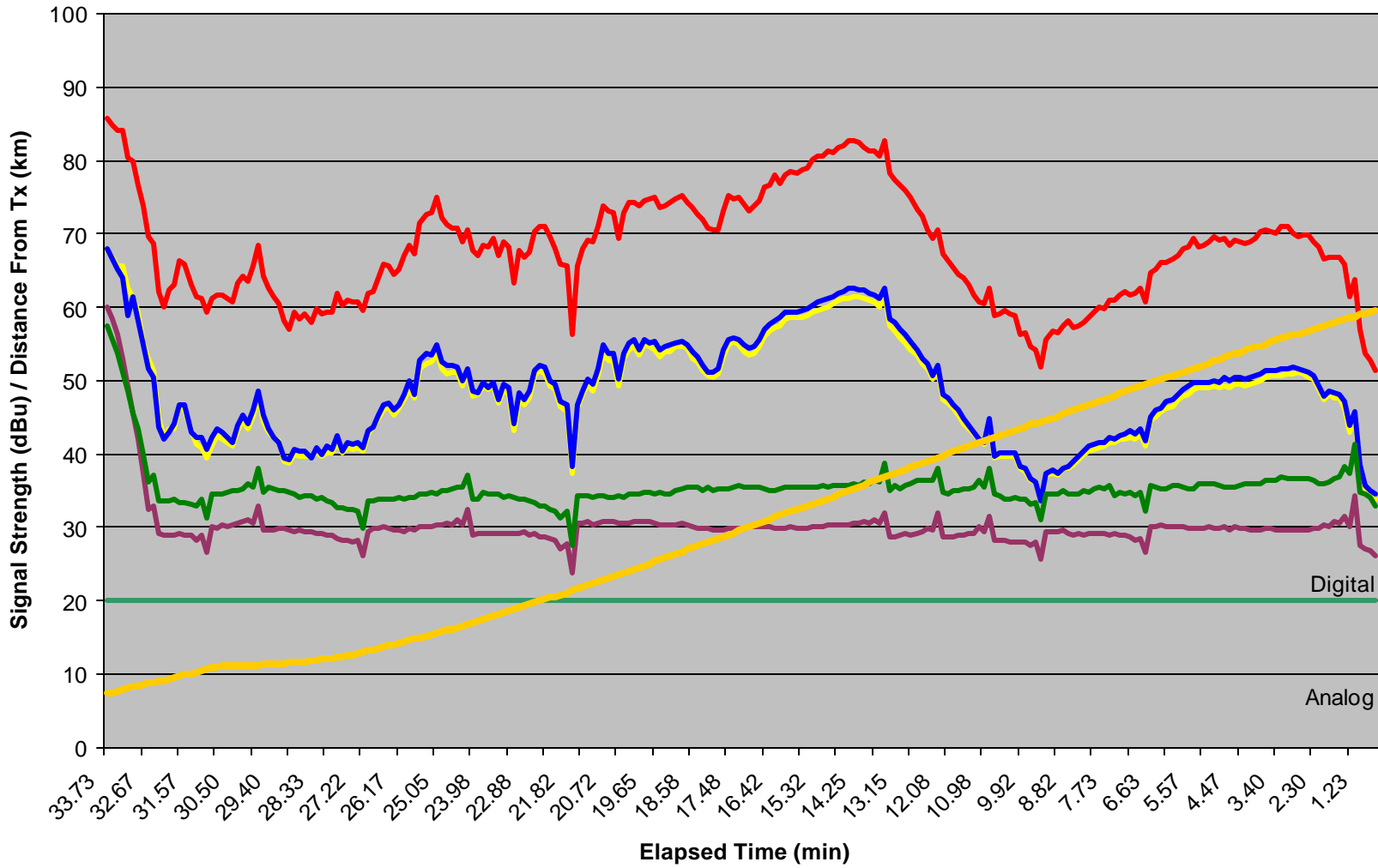
Profile Info

Distance: 17.49Km
 Bearing: 90.65deg
 # of points: 200
 K value: 1.333
 Frequency: 95.50
 Clearance: 0.60

Losses

Free space: 96.9dB
 Plane earth: 121.1dB
 Diffraction: 14.6dB
 Fresnel: 11.3dB

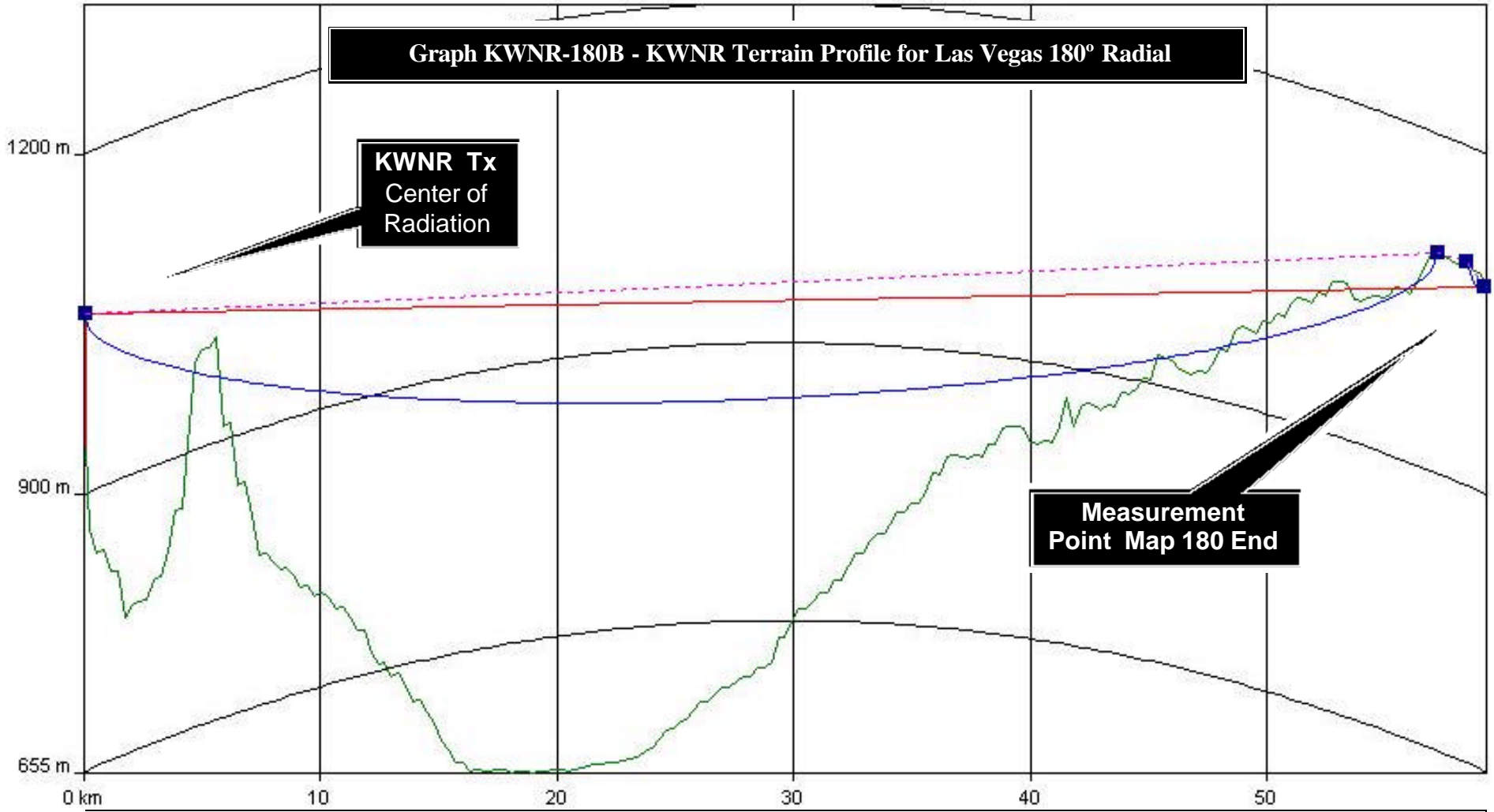
KWNR180



2nd Lwr Adjacent 1st Lwr Adjacent Desired 2nd Upr Adjacent 1st Upr Adjacent Digital/Analog Dist From Tx

Graph KWNR-180A - KWNR Terrain Profile for Las Vegas 180° Radial

Graph KWNR-180B - KWNR Terrain Profile for Las Vegas 180° Radial



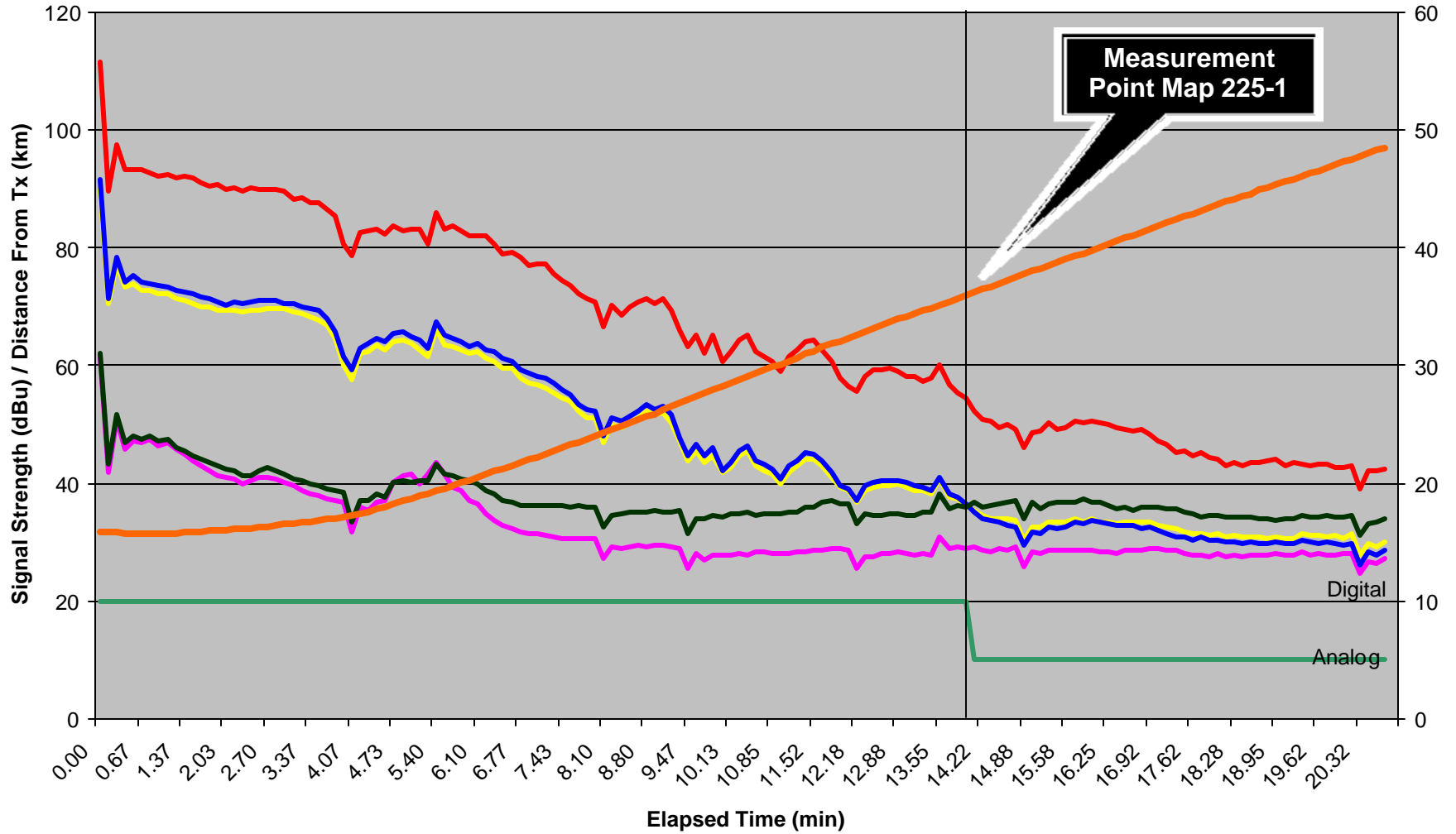
KWNR Tx	
Lat:	36-00-31N
Lon:	115-00-22W
AMSL:	943m
Tower AGL:	116m

Map 180 End	
Lat:	35-28-46N
Lon:	114-55-23W
AMSL:	1082m
Tower AGL:	2m

Profile Info	
Distance:	59.32Km
Bearing:	172.72deg
# of points:	200
K value:	1.333
Frequency:	95.50
Clearance:	0.60

Losses	
Free space:	107.5dB
Plane earth:	142.3dB
Diffraction:	25.9dB
Fresnel:	6.0dB

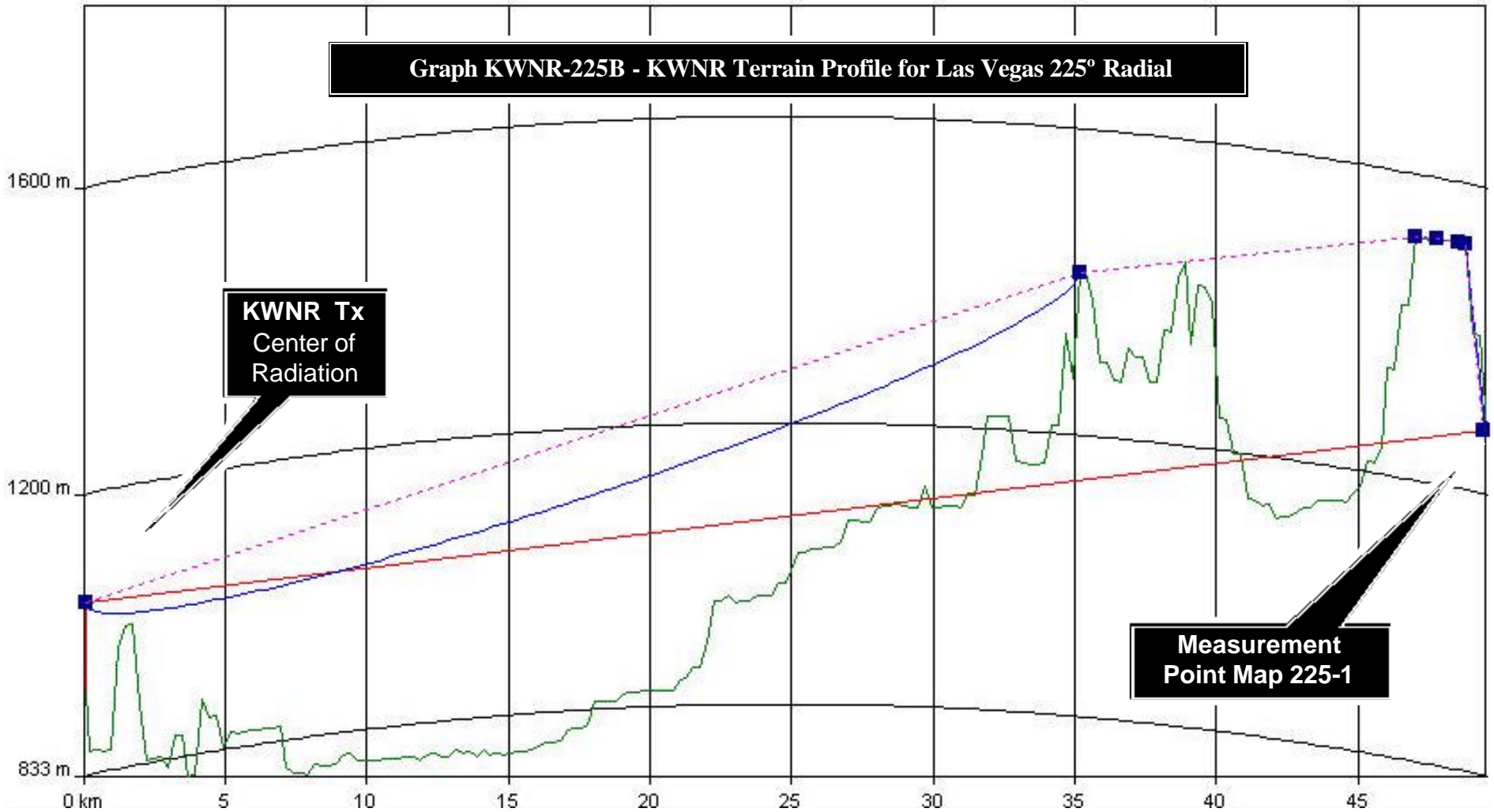
KWNR225



— 2nd Lwr Adjacent
 — 1st Lwr Adjacent
 — Desired
 — 1st Upr Adjacent
 — 2nd Upr Adjacent
 — Digital/Analog
 — Dist From Tx

Graph KWNR-225A - KWNR Strip-Chart Recording for Las Vegas 225° Radial

Graph KWNR-225B - KWNR Terrain Profile for Las Vegas 225° Radial



KWNR Tx

Lat: 36-00-31N
 Lon: 115-00-22W
 AMSL: 943m
 Tower AGL: 116m

Map 225-1

Lat: 35-48-03N
 Lon: 115-18-47W
 AMSL: 911m
 Tower AGL: 2m

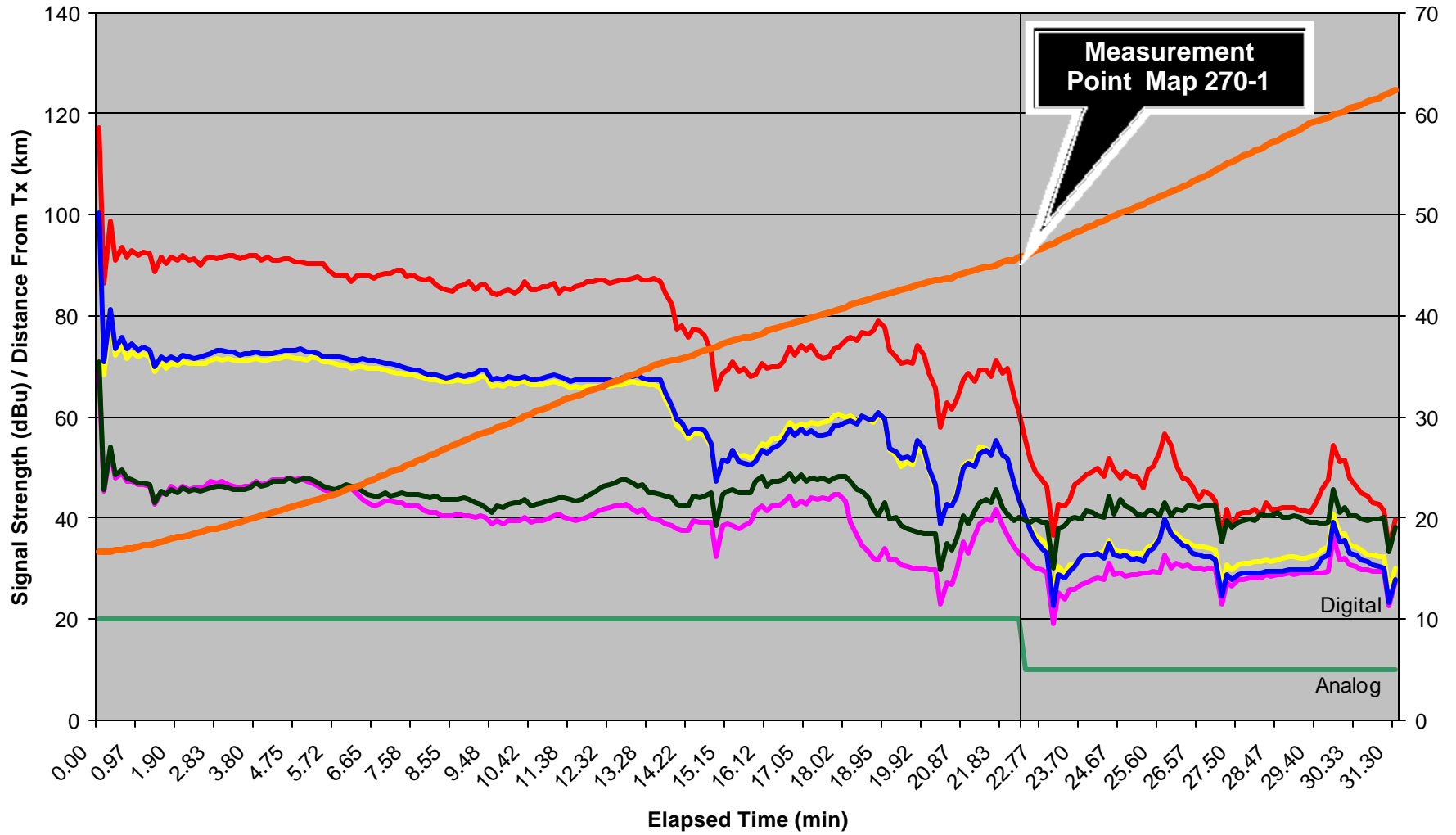
Profile Info

Distance: 36.03Km
 Bearing: 230.24deg
 # of points: 200
 K value: 1.333
 Frequency: 95.50
 Clearance: 0.60

Losses

Free space: 103.2dB
 Plane earth: 133.7dB
 Diffraction: 14.9dB
 Fresnel: 11.0dB

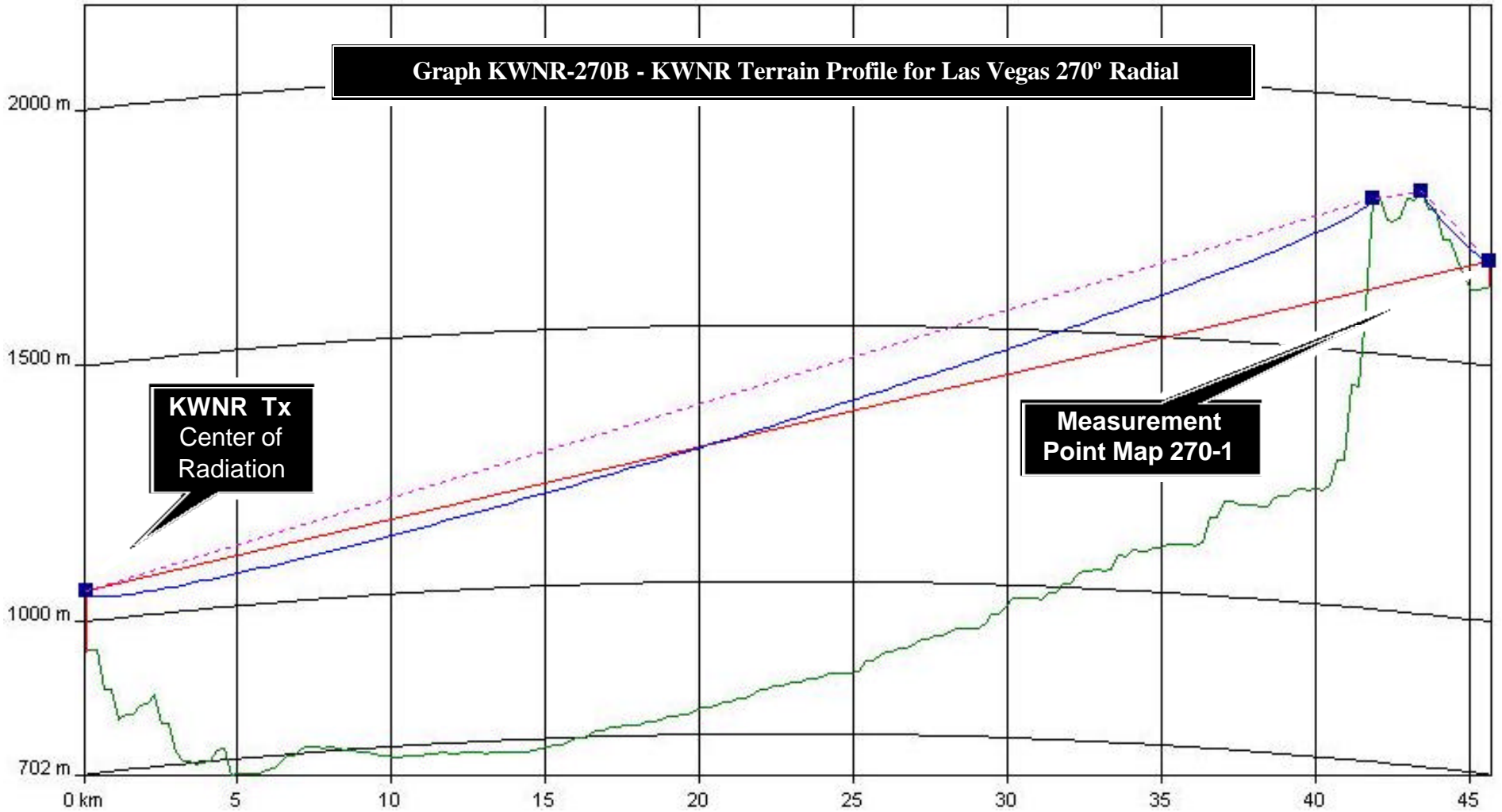
KWNR270



2nd Lwr Adjacent 1st Lwr Adjacent Desired 1st Upr Adjacent 2nd Upr Adjacent Digital/Analog Dist From Tx

Graph KWNR-270A - KWNR Strip-Chart Recording for Las Vegas 270° Radial

Graph KWNR-270B - KWNR Terrain Profile for Las Vegas 270° Radial



KWNR Tx

Lat: 36-00-31N
 Lon: 115-00-22W
 AMSL: 943m
 Tower AGL: 116m

Map 270-1

Lat: 36-01-19N
 Lon: 115-30-52W
 AMSL: 1654m
 Tower AGL: 2m

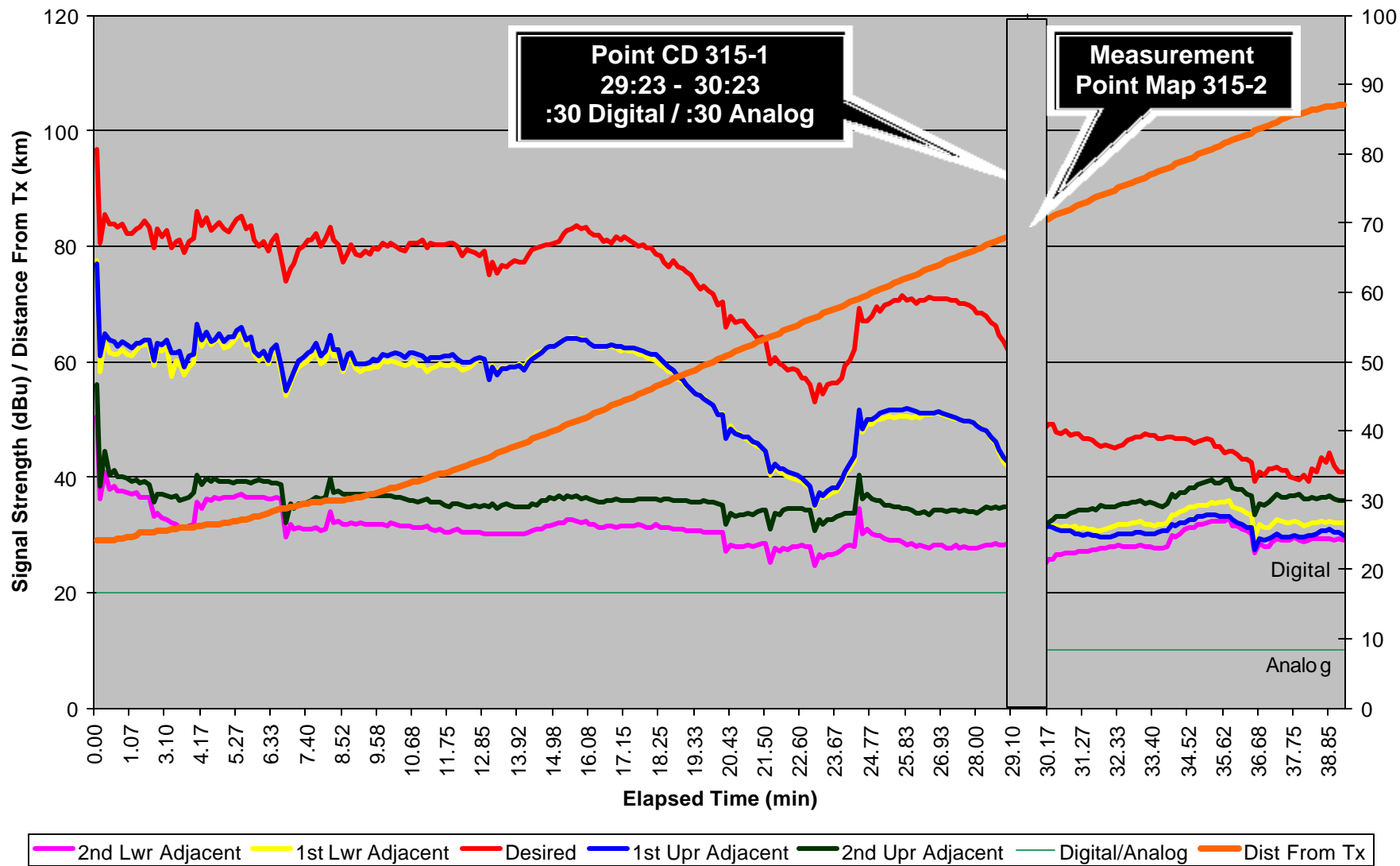
Profile Info

Distance: 45.74Km
 Bearing: 272.01deg
 # of points: 200
 K value: 1.333
 Frequency: 95.50
 Clearance: 0.60

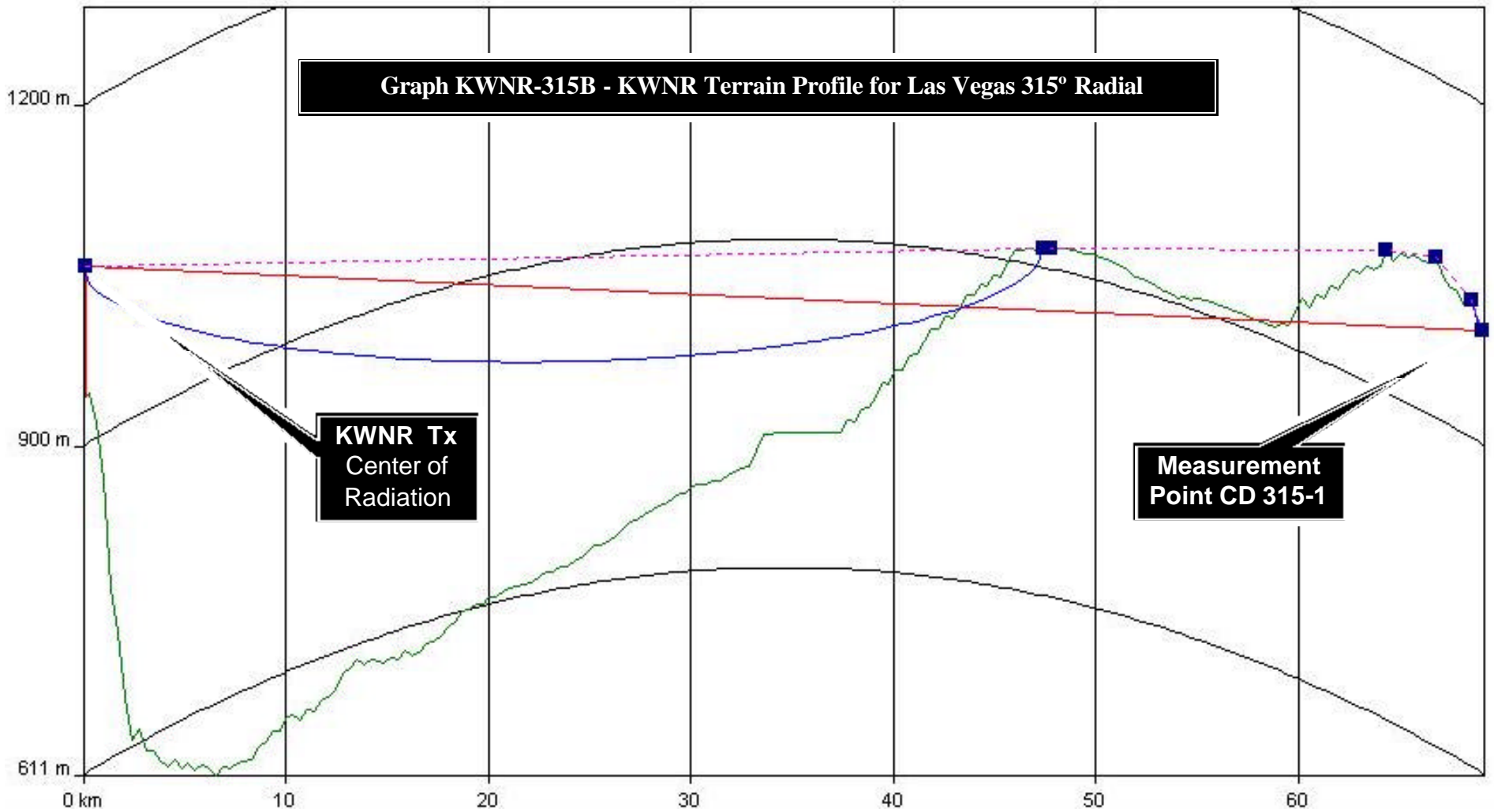
Losses

Free space: 105.3dB
 Plane earth: 109.8dB
 Diffraction: 12.2dB
 Fresnel: 5.7dB

KWNR315



Graph KWNR-315A - KWNR Strip-Chart Recording for Las Vegas 315° Radial



KWRN Tx

Lat: 36-00-31N
 Lon: 115-00-22W
 AMSL: 943m
 Tower AGL: 116m

CD 315-1

Lat: 36-29-30N
 Lon: 115-29-33W
 AMSL: 1000m
 Tower AGL: 2m

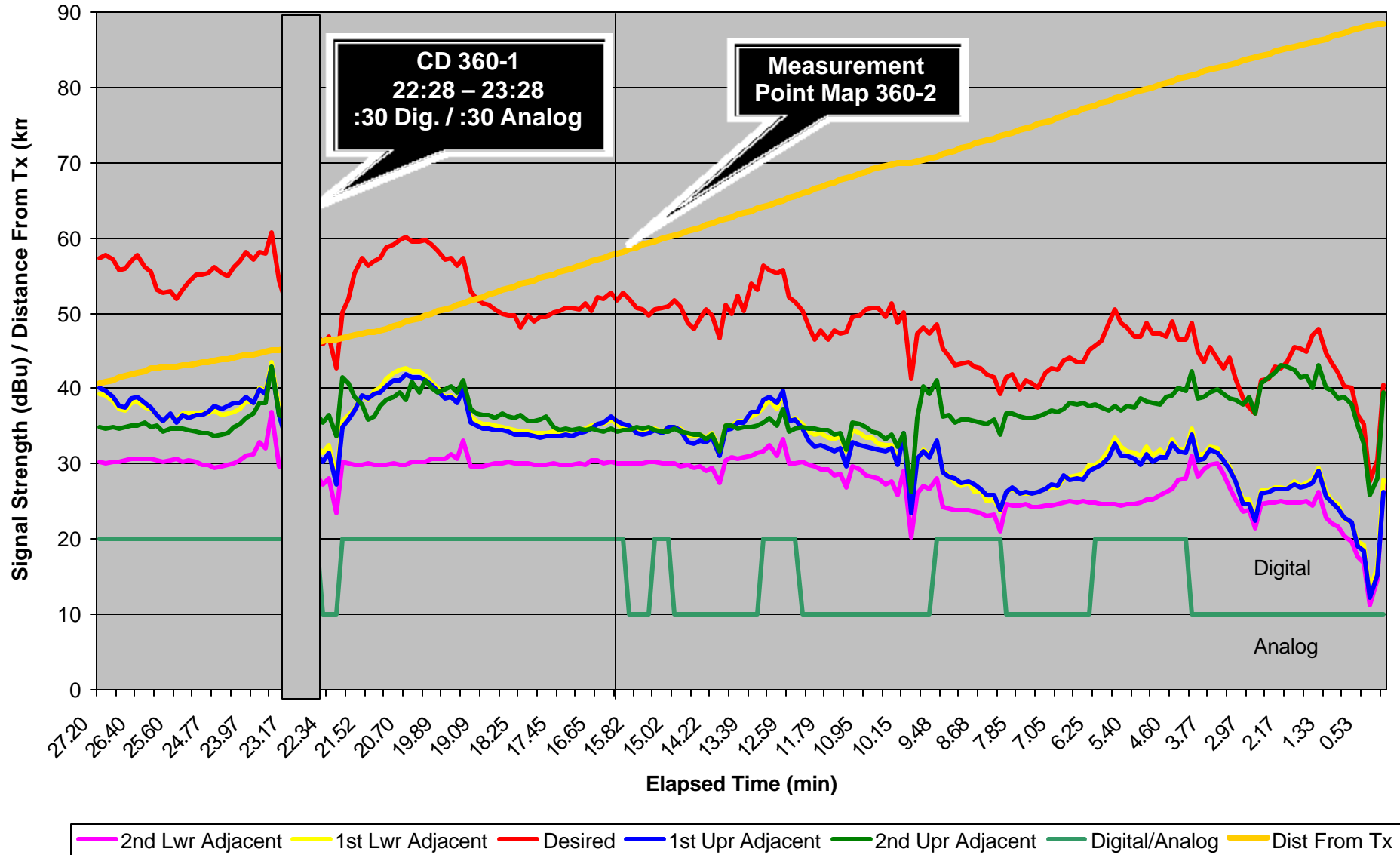
Profile Info

Distance: 69.19Km
 Bearing: 321.07deg
 # of points: 200
 K value: 1.333
 Frequency: 95.50
 Clearance: 0.60

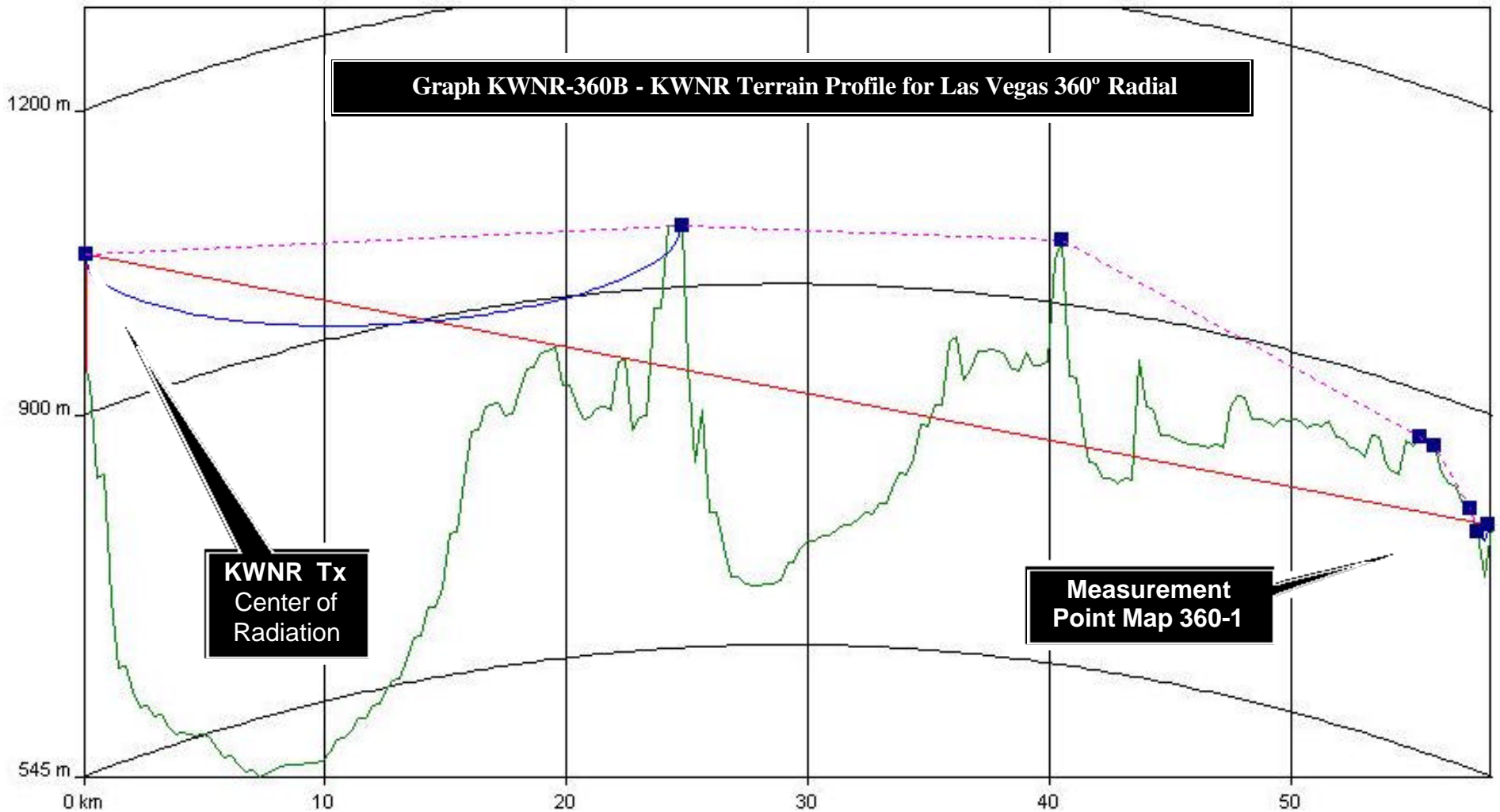
Losses

Free space: 112.8dB
 Plane earth: 145.0dB
 Diffraction: 36.9dB
 Fresnel: 5.8dB

KWNR360



Graph KWNR-360A - KWNR Strip-Chart Recording for Las Vegas 360° Radial



KWRN Tx

Lat: 36-00-31N
 Lon: 115-00-22W
 AMSL: 943m
 Tower AGL: 116m

Map 360-1

Lat: 36-31-48N
 Lon: 114-56-21W
 AMSL: 791m
 Tower AGL: 2m

Profile Info

Distance: 58.29Km
 Bearing: 5.89deg
 # of points: 200
 K value: 1.333
 Frequency: 95.50
 Clearance: 0.60

Losses

Free space: 107.4dB
 Plane earth: 142.0dB
 Diffraction: 24.9dB
 Fresnel: 11.1dB