



TCS Consultants, Inc.

Wireless Communication Design



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RF Coverage Site Data & Coverage Criteria Form

Company Name:	Contact Name:
Contact Telephone:	Contact Fax:
Contact Email:	
Contact Address	City:
State & Zip:	

Site Name:	
Latitude: ° ' "	Longitude: ° ' "
Radial Distance (Distance from Base) to Calculate:	Mi Km
Base Antenna Height (Above Ground Level):	Ft. Met.
Mobile / Portable / Remote Antenna Height (Above Ground Level):	Ft. Met.
Frequency in MHz:	MHz
Antenna Polarization (Default = Vertical):	Vertical / Horizontal

Coverage Criteria (Circle One): a b c d	a) ¹ Fade Margin in dB
	b) Receiver Signal Strength in uV
	c) Receiver Signal Strength in dBm
	d) Field Strength in uV/meter

² Level 1:	Level 2:	Level 3:	Level 4:	Level 5:
1	2	3	4	5
6	7	8	9	10
11	12			
³ Base Antenna Gain:	dBi dBd			
Mobile / Portable / Remote Antenna Gain:	dBi dBd			
Transmitter Power:	dBm dBw Watts			
Receiver Sensitivity (If Fade Margin Criteria Selected (a)):	dBm dBw uV uV/m			
Transmission Line Type:				
Transmission Line Length:	Ft. Met.			
Additional Losses (dB) from duplexors, attenuators, connectors, combiners, filters, etc.:	dB			

¹ Fade Margin is the margin of power in dB above the receiver threshold. This is normally specified as the following:
0 dB = 50% | 10 dB = 90% | 13 dB = 95% | 20 dB = 99% | 30 dB = 99.9%

² Please indicate the Level of Signal based on the Coverage Criteria AND the color to be used by number.

³ Base antenna gain based on an Omni-Directional antenna. If directional antenna is desired please contact us with product manufacturer and model so that we may insert the antenna pattern.

If you have any questions about how to fill out this document, do not hesitate to contact us. Please fax or email this document once completed and a representative of TCS Consultants, Inc. will contact you for specifics.

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