



The Intermodulation form shall be filled out by the respective organizations and an Intermodulation analysis performed before any co-location is authorized.

Misc. Information	
Date:	
Site Name:	
Engineer:	
Engr Phone:	
Provider 1 Contact:	
Phone:	
Provider 2 Contact:	
Phone:	
Provider 3 Contact:	
Phone:	

Equipment	Requested Information		Provider 1	Provider 2	Provider 3
	EXAMPLE	EXAMPLE			
Name of Service Provider	Company A	Company B			
Base Frequency (Tx) / Bandwidth*	931.25 MHz/1.25 MHz	1937.5 MHz/1.25 MHz			
Base Frequency (Rx)/Bandwidth*	851.25 MHz/1.25 MHz	1857.5 MHz/1.25 MHz			
Technology Used	CDMA	GSM			
Transmit Power <b>ONLY</b> (Watts) (before ant. gain)	12.5	12.5			
Receiver Sensitivity (dBm)	-120 dBm	-120 dBm			
BTS Manufacturer**	Lucent				
Tower Height					
Rooftop (attach separate sheet with dimensions)					
<b>Sector 1***</b>					
Antenna Pattern (orientation of main lobe) - degree	0				
Antenna Gain (dBd)	17 dBi	20 dBi			
Antenna 3 dB Beamwidth (degrees)	90				
Antenna Manufacturer	Scala	Decibel			
Antenna Model (Attach all radiation patterns)	AP171900090DD2	DB982H33			
Transmission Line Type	HJ5-50	LDF7-50A			
Transmission Line Length (ft)	125	200			
Vertical Distance - AGL (ft)	130	125			
<b>Sector 2***</b>					
Antenna Pattern (orientation of main lobe) - degree	120				
Antenna Gain (dBd)	17 dBi	20 dBi			
Antenna 3 dB Beamwidth (degrees)	90				
Antenna Manufacturer	Scala	Decibel			
Antenna Model (Attach all radiation patterns)	AP171900090DD2	DB982H33			
Transmission Line Type	HJ5-50	LDF7-50A			
Transmission Line Length (ft)	125	200			
Vertical Distance - AGL (ft)	130	125			
<b>Sector 3***</b>					
Antenna Pattern (orientation of main lobe) - degree	240				
Antenna Gain (dBd)	17 dBi	16.3			
Antenna 3 dB Beamwidth (degrees)	90				
Antenna Manufacturer	Scala	Dapa			
Antenna Model (Attach all radiation patterns)	AP171900090DD2	D59210			
Transmission Line Type	HJ5-50	LDF7-50A			
Transmission Line Length (ft)	125	200			
Vertical Distance - AGL (ft)	130	125			

\* Base transmit and receive frequencies will be the actual frequencies projected for use. If multiple frequencies are projected, additional sheets may be added.

\*\* Select the radio configuration for each sector from among the attached sketches. Curves are required for all frequency selective system components to be included in the analysis: Transmitter Masks/Filters, Receiver Filters, Combiners, Multicouplers, Duplexers, Power Amps

\*\*\* Attach a sketch in sufficient detail to allow 3-D modeling of all antennas to be considered in the analysis.

Fax or Email completed forms to customersupport@comsearch.com Fax: (703) 726-5595

Questions? Please call (703) 726-5650

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