

## Mercer Island Fire Department 3030 78<sup>th</sup> Ave SE Mercer Island, WA 98040 (206) 275-7966 fire marshal@mercerisland.gov

## RADIO COVERAGE SIGNAL STRENGTH ASSESSMENT FORM

Assessment of Signal Strength without BDA/DAS for Buildings That

Require Minimum Emergen	cy Responder Radio Coverage			
☐ Coverage meets code requirements throughout building	☐ Coverage does not meet code requirements in part or all of the building			
responder radios and therefore do not require radio at Distributed Antenna Systems (DAS). If used in conjunct shall be completed prior to radio signal testing, and ass tenant improvements. In-building signal strength can	ns of a building) have adequate signal strength for emergency implification systems such as Bi-Directional Antennas (BDAs) or action with a new construction project, shell and core construction sumptions shall be provided for signal limitations from anticipated change over time for many reasons including changes in the rements. If signal strength becomes insufficient in the future, esults documented on this form at this time.			
SECTION 1 BUILDING INFORMATION				
Building Name:				
Building Address:				
SECTION 2 TESTING COMPANY, TECHNICIAN	N AND EQUIPMENT			
Section 2.1 Testing Company Informat	ion			
Company Name:	Contact Name:			
Mailing Address:	Phone:			
	Email:			
Section 2.2 Technician Information				
Technician Name:	Phone:			
Technician FCC Certification/GROL#:	<u> </u>			
Technician performing testing has received manufacture	er training or other equivalent: 🔲 Yes 📮 No			
Specify manufacturer training received and year:				
Section 2.3 Testing Equipment Used for	or Assessment			
Spectrum analyzer make/model**:				
Spectrum analyzer calibration date:				
Calibration performed by firm (qualified firm name): ** Use of a calibrated spectrum analyzer, with a current	calibration, is required for this testing.			
SECTION 3 RADIO COVERAGE ASSESSMENT	T RESULTS			
Date of Assessment:				

Pass				
The entire building in its current configuration provides adequate signal coverage in 95 areas of each floor of the building and 99% of the area of critical areas, where coverag requirements are defined in Seattle Fire Code 510.4.1.			Yes	No
Partial Pass				
The following portions of the building in the current configuration provide adequate sign coverage and should not need any additional DAS infrastructure (include descriptors s directional, floor, wing):				
			Yes	No
The following portions of the building do not provide adequate signal coverage and will additional DAS infrastructure to improve signal strength and meet fire code requiremen (include descriptors such as directional, floor, wing):				
Fail	<del> </del>			
The building area provides inadequate signal coverage and will need additional DAS infrastructure to improve signal strength and meet fire code requirements. Notes:			Yes	No
SECTION 4 REQUIRED DOCUMENTATION				
A copy of the following documents is attached to this report for the fire code official.				
4.1 Grid diagram for each floor, showing test signal strengths in each floor, and indicating of each critical area.	location		Yes	No
4.2 Copy of General Radiotelephone Operator's License for technician listed in section 2.2			Yes	No
4.3 The form and attachments are stored in the fire command center or building engineer' AND submitted by email to the Seattle Fire Department.	s office		Yes	No
SECTION 5 ATTESTATION				
By accepting this statement, I, the FCC-licensed and manufacturer-trained technician shown on this form, certify that I have properly assessed radio signal strength following NFPA and CoMI standards and have accurately provided results in section 3 above, indicating whether the building or portions of the building have signal strength meeting the requirements in IFC 510.4.1 and MICC 17.07 (y).			Yes	No
SECTION 6 SIGNATURE				
Signature of Technician	Date			

## **INSTRUCTIONS FOR SUBMITTING THIS FORM TO MIFD**

- 1. A paper copy of this form and the required documentation in section 4 shall be stored at the building and made available to representatives from the Fire Marshal's Office at the time of inspection.
- 2. Email documents with Building Permit number to fire\_marshal@mercerisland.gov.