Systems (DAS)	STATUS
Confidence Test Deficiency Repair Test	Red Yellow White
SECTION 1 BUILDING CONTACT AND DAS IN Section 1.1 Building Address and Contact Info	
Building Name: Building Address:	
Building Contact Name: Contact Address:	Building Contact Phone: Contact Email:
Central Station Monitoring: Yes No Monitoring Company Name:	Monitoring Required:
System Make:	System Model:
Location of System in Building: Rebanding Retune Completed?	
PSERN Retune Completed (after 2020 Retune Date)? _	
SECTION 2 TESTING COMPANY, TECHNICIAN	AND EQUIPMENT
Section 2.1 Testing Company Information for 0	
Company Name:	Phone:

Emergency Phone:

Email:

Phone:



Contact Name:

Mailing Address:

Technician Name:

Bellevue Fire Department

Distributed Antenna

www.bellevuewa.gov

Distributed Antenna System Confidence Test Report

System Test Report – Annual Testing and Maintenance

Certification Given: White \Box Yellow \Box Red \Box

System _____ of _____ Descriptive location:

DAS Annual	Testing and	Maintenance Fo	orm, page 1	(10/19/2018)
------------	-------------	----------------	-------------	--------------

Section 2.2 Technician Information for Current Test

Technician FCC Certification/GROL#:							
Technician performing testing has received manufacturer training or other equivalent:						٩o	
Specify training received and date:			20				
Section 2.3 Testing Equipment for Curr	ent Test			-			
Spectrum analyzer make/model**:							
Calibration date:			-				
Calibration performed by firm (qualified firm nam	ne):						
** Use of a calibrated spectrum analyzer, with a							
SECTION 3 CURRENT TEST - REQUIRI	ED ELEMENTS AND TEST CHECH	KLIS'	Т				
Date of Test:							
The items on the checklists below shall be inspe and testing of the fire and life safety system. Ref STANDARD and the MANUFACTURER'S INST requirements.	ected and tested. This list does not cons fer to the CURRENT FIRE CODE AND	REF	EREN		NFPA	· ·	Ū
Section 3.1 Pre-Test Check							
Take precautions necessary to avoid preventabl	e alarms.						
1. If a monitored fire alarm system is present in the building, the Central Station Monitoring Service was notified that DAS testing is occurring and will be generating □ Yes □ No □ N/A supervisory signals.						N/A	
Section 3.2 General - Recordkeeping							
2. The following documents from the installation, same room as the head end electronics and ava personnel:							
a. Grid diagram for each floor, showing tested strengths in each grid square.			Yes		No		
 b. Copies of manufacturer specification sheets for all BDA/DAS systems components, including amplifiers, signal boosters, antennas, coax, couplers, splitters, combiners, and other passive components. 			Yes		No		
c. Data sheets for backup battery and charging system			Yes		No		
d. Certification letter stating that the BDA/DAS system has been installed per code and was complete/fully functional at time of install.							
Section 3.3 DAS Specifications/Performance at Commissioning and Current							
	At Commissioning		С	urren	t Tes	st	
Antenna Type							
ERP to Donor Site (dBm)							

Antenna Gain (dBd)

Antenna Coordinates (NAD83)

Antenna Azimuth (degrees true)					
Uplink Gain Setting	Gain Setting: db	Gain	Setting:		
			r:		
Downlink Gain Setting	Gain Setting: db	Gain	Setting:		
	Power:dbm	Powe	r:	d	bm
Signal Level Received at Donor Site (-dBm) Measure active control channel, w/20 KHz resolution bandwidth, at the jumper that connects to the DAS head-end donor port.					
Signal Level Received from Donor Site (-dBm)					
Channelized Donor Site Name					
Channelized or Broadband					
Section 3.4 Active Components					
3. Signal booster is within a NEMA 4/IP66 Enclo	osure.		Yes		No
4. Battery is within a NEMA 4/IP66 Enclosure.			Yes		No
5. Battery is supervised by Fire Alarm System.			Yes		No
6. Signal booster is supervised by Fire Alarm Sy	/stem.		Yes		No
7. Equipment is FCC certified. If no, list corrections required:			Yes		No
8. Active components checked to verify operation	n within manufacturers' specifications				
 Equipment alarm log checked for recurs addressed as per manufacturer's recon 			Yes		No
 b. Isolation testing performed and measur above the total downlink and the total u between least isolated DAS antenna ar 	plink gain (whichever is greater)		Yes		No
9. Signage at Fire Alarm Panel "This building is Responder Radio Coverage System"	equipped with an Emergency		Yes		No
10. DAS is communicating with same donor site or communicating with approved donor site as d Operator or Authority Having Jurisdiction.			Yes		No
11. DAS signal strength received from donor site installation values plus or minus 2 db.	e at the input to the BDA meets origina		Yes		No
12. Uplink amplifier gain matches gain at comm	issioning plus or minus 2 db.		Yes		No
13. Downlink amplifier gain matches gain value minus 2 db.	s recorded at commissioning plus or		Yes		No
14. Antenna azimuth (bearing) matches commis azimuth plus or minus 5 degrees.	sioning matches commissioning		Yes		No

Section 3.5 Distribution System			
15. Perform grid test: Signal strength remains stronger than (less negative than) -95 dBm for 95% of grids on each floor: If no, location(s) of failed grids:	Yes	No	
Section 3.6 Batteries/Secondary Power			
16. Backup batteries and secondary power supply tested under load for one hour and meet requirements.	Yes	No	
Section 3.7 Alarm Panel Monitoring			
17. If a fire alarm system is present in the building, the fire alarm system is supervising the DAS.	Yes	No	N/A
18. If a fire alarm system is present in the building, a supervisory signal was received at Central Station Monitoring company.	Yes	No	N/A
Section 3.8 Final Checks			
19. If building includes a fire alarm system, inform alarm monitoring company that testing is complete.	Yes	No	
SECTION 4 SIGNATURES AND REPORTING			
20 A copy of this test report will be given to the owner in either electronic or paper	 	 	

20. A copy of this test report will be given to the owner in either electronic or paper form and a status tag was posted on the DAS.			Yes		No
21. A copy of this test report will be provided to the Fire Department as required, by uploading report into The Compliance Engine, within seven days of the date of the test. www.thecomplianceengine.com			Yes		No
By accepting this statement, I, the certified technician shown on this form, certify that this fire protection system(s) has been properly inspected for functional operation in accordance with the current Fire Code (FC) used by the department that has jurisdiction and NFPA Standards adopted by the FC for this system. Any deficiencies found are noted in the report and have been reported to the building Owner/Manager for corrective action.			Yes		No
I am authorized to submit this report for the certified technician who has accepted this statement.			Yes		No
SIGNATURES (OPTIONAL)					
Signature of Technician					
Signature of Building Representative					