

City of Longview Communications System Overview



LFD / LPD Current System RF Results

Testing Methodology: Portable Radio worn on hip utilizing a lapel mic (replicating real world situations)

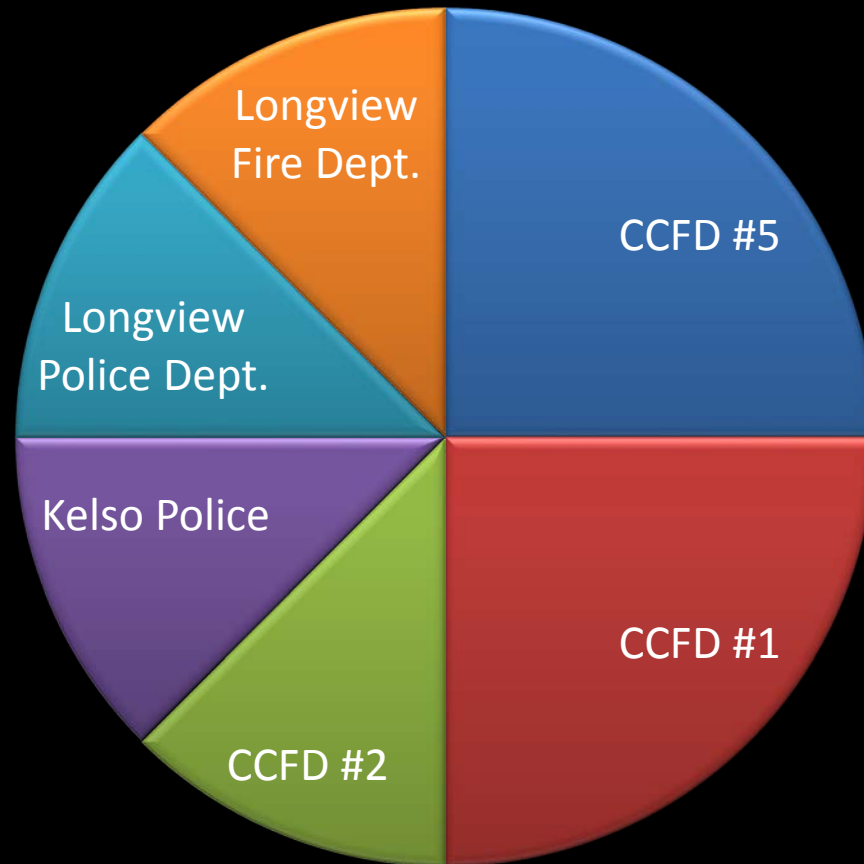
- 50% of the test points was unreadable TX or RX.
- 33 % of the test points was missing words or phrases during TX or RX.
- 7% of the test points was readable but scratchy audio.
- 10 % of the test points was good quality TX and RX audio.

NXDN TEST RESULTS

Testing Methodology: Portable Radio worn on hip utilizing a lapel mic (replicating real world situations)

- **97 % of the test points was good clear TX and RX audio.**
- **1% of the test points was unreadable**
 - 1 test site was inside the City Limits
 - 1 test site was outside City Limits
- **2% of the test points had no NXDN Signal**
 - All 3 test sites were outside city limits
- **Inside City of Longview Test Results 99.6 %**

NXDN TESTING AGENCIES



Public Safety Radio Funding

			POLICE		FIRE
	Unit Cost	Quantity	\$	Quantity	\$
Portable Radios	\$1,085.00	71	\$77,035.00	30	\$32,550.00
Mobile Radios	\$980.00	30	\$29,400.00	9	\$8,820.00
Spare Batteries	\$162.50	0	\$0.00	30	\$4,875.00
Department Sub-Totals			\$106,435.00		\$46,245.00
WA State Sales Tax			<u>\$8,514.80</u>		<u>\$3,699.60</u>
Department Totals			\$114,949.80		\$49,944.60

Recommendation for Radio Replacement Funding:

- Police radio replacement funding to be provided by Criminal Justice Assistance Fund.
- Fire radio replacement funding to be provided by General Fund.
- Provide for radio replacement depreciation funding in the 2017-18 biennial budget.

Other Funding Options:

- Entire radio replacement funding to be provided by General Fund.
- Entire radio replacement funding to be provided by Equipment Rental Reserve Fund.