

Walk Test Optimization: Success Story

Empower Field (Denver)

Seating capacity: **76,125** | Total area: **1.8 million sq feet** | Home team: **Denver Broncos**

Scope

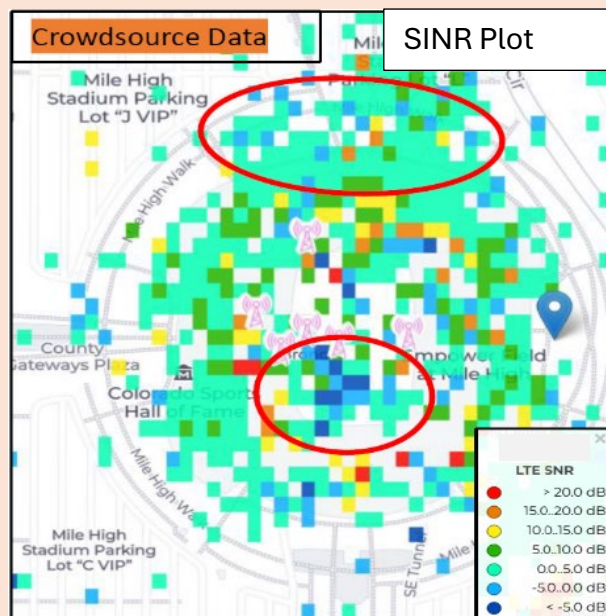
The initiative focused on optimizing 5G and LTE network using detailed Walk and Drive test of the Empower Field stadium and using parameters to enhance user experience and connectivity

Significance

The optimization was crucial as the stadium experienced

- High noise levels
- Elevated 5G SA failures
- Low user count on 5G multibeam

during events, impacting user connectivity and experience



Deliverables

To strengthen the 5G network by reducing SA failures and increasing traffic and user connectivity using insights from walk test and drive test analysis.

KPI Metric	Before	After	Improvement
5G SA Fail Rate	46%	0.4%	↓ 99%
Traffic Volume	1762 GB	2246 GB	↑ 27%
Active Users	11,625	12,927	↑ 11%

Achievement

Significant improvement observed using targeted analysis and parameter fine-tuning

- ✓ 5G SA Fails reduced
- ✓ Increase in user count and
- ✓ Traffic increased on 5G multi-beam

