



Local Control Channel Example Annual Survey

**Lookout
Frequency: 853.77500 MHz
NAC: D18**

This is an example of the optional notes that can be added to the cover page of the report. If there is any additional information that needs to be included it can be done so here.

Report Date: 03/26/2025

Test Summary

Name:	Local Control Channel Example
Address:	123 Test Avenue Golden, CO 80401
Technician:	Sam Friedman
FCC#	N/A

RESULT

FAIL

Too many individual areas failed

OVERALL MEASUREMENT SUMMARY

Type	Minimum	Maximum	Average	Exterior
RSSI (dBm)	-96.21	-86.00	-91.29	Not taken
SINR (dB)	23.51	32.18	28.56	Not taken
FBER (%)	0.39	0.96	0.57	Not taken

PASSING CRITERIA

Result Calculation	Area Pass Criteria	Critical Points Pass Criteria	Apply Adjacent Area Rule
By area per floor	95.00%	99.00%	Yes

TOTAL AREA MEASUREMENT SUMMARY

Number of Floors	Total Areas Measured	Passing	Failing	Passing Percentage
2	72	67	5	93.06%

CRITICAL AREA MEASUREMENT SUMMARY

Critical Areas Measured	Passing	Failing	Passing Percentage
1	1	0	100.00%

Floor Summaries

PASSING AREAS SUMMARY

Floor Name	All Areas	Critical Areas	Pass/Fail
Floor 1	33/36 (91.67%)	0/0 (N/A)	FAIL
Floor 2	34/36 (94.44%)	1/1 (100.00%)	FAIL

NOTE: Values presented are in the format # areas passed / # areas measured followed by the percent of areas passing. For example, 22/25 (88%) would indicate that 22 areas passed out of a total of 25 areas that were measured, equating to 88% of the measured areas passing.

MEASUREMENTS SUMMARY

Floor Name	RSSI (dBm)	SINR (dB)	BER (%)	Pass/Fail
Floor 1	-87.36/-96.21	30.63/23.51	0.73/0.39	FAIL
Floor 2	-86.00/-95.68	32.18/26.04	0.96/0.40	FAIL

NOTE: Values presented are in the format max/min, indicating the maximum and minimum values measured on each floor.

Test Configuration Information

TEST EQUIPMENT INFORMATION

Vendor	Device	Calibration Date
TapHere! Technology	SABR Micro	3/13/2025

ANTENNA INFORMATION

Description	Gain
Kenwood 700/800 MHz	0.0 dB

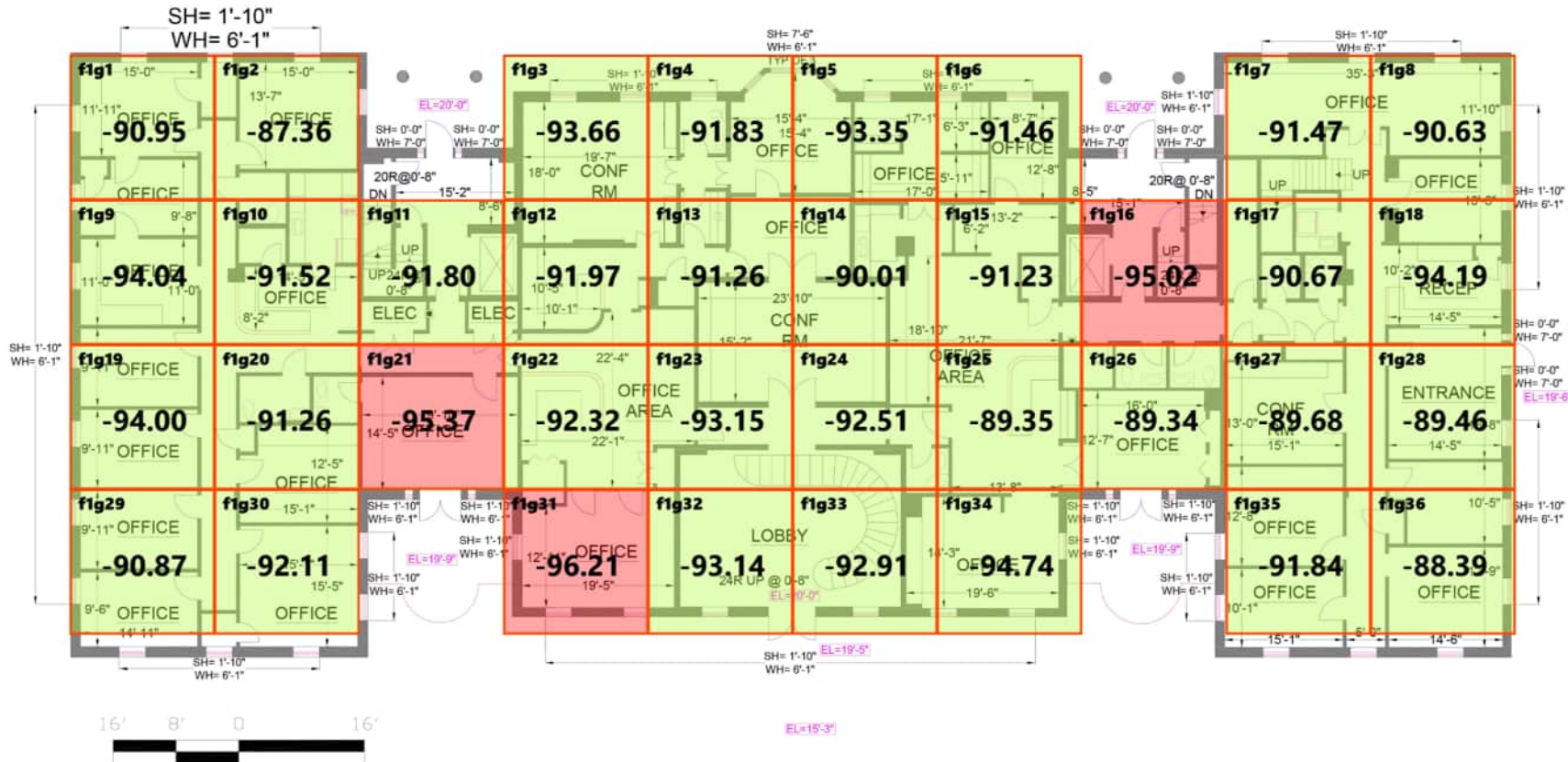
MEASUREMENT CONFIGURATION

Metric	Passing Threshold	Used in Evaluation
RSSI	Above -95.00 dBm	True
SINR	Above 20.00 dB	True
FBER	Below 2.00%	True

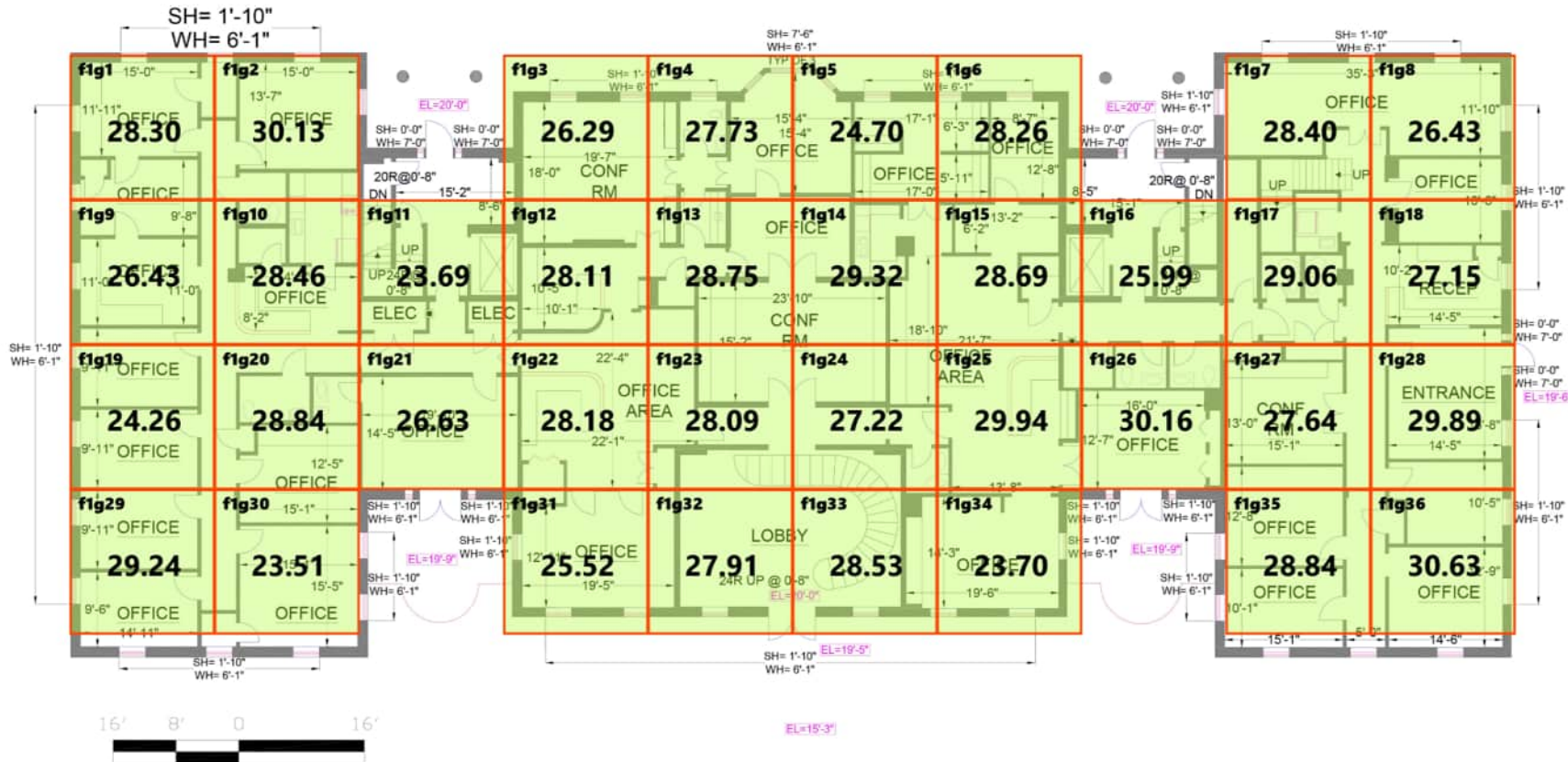
RF CAPTURE CONFIGURATION

Sample Rate	Bandwidth	Length of Capture
960000 sps	962261 Hz	2500 ms

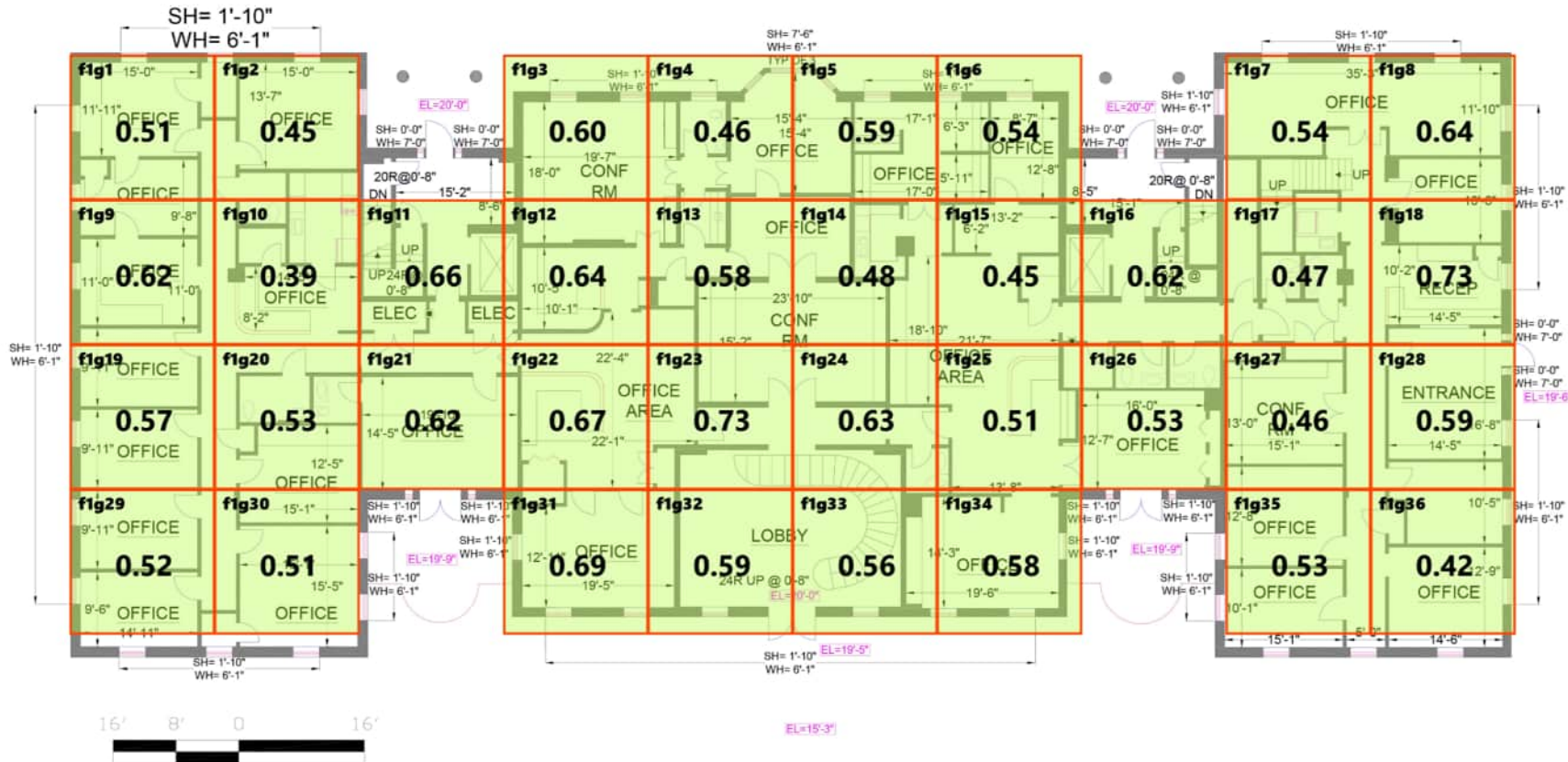
Floor 1: RSSI (dBm)



Floor 1: SINR (dB)



Floor 1: FBER (%)



FLOOR 1 SUMMARY - FAIL

All Areas (Pass/Total)	Critical Areas (Pass/Total)	Measurement Area Size
33/36 (91.67%)	0/0 (N/A)	N/A

RSSI MEASUREMENT SUMMARY

Minimum (dBm)	Maximum (dBm)	Average (dBm)
-96.21	-87.36	-91.92

SINR MEASUREMENT SUMMARY

Minimum (dB)	Maximum (dB)	Average (dB)
23.51	30.63	27.63

FBER MEASUREMENT SUMMARY

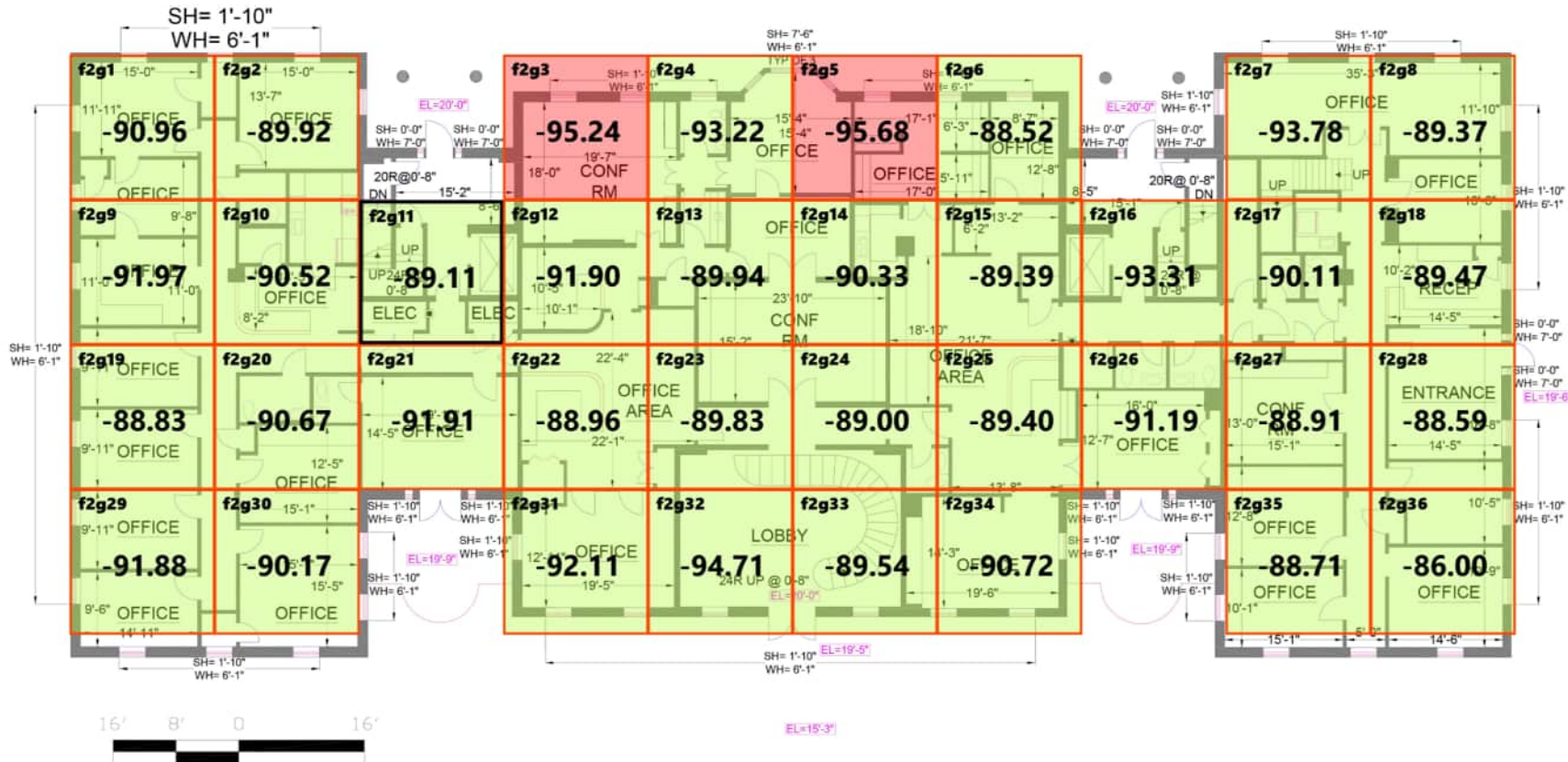
Minimum (%)	Maximum (%)	Average (%)
0.39	0.73	0.56

SIGNAL MEASUREMENTS

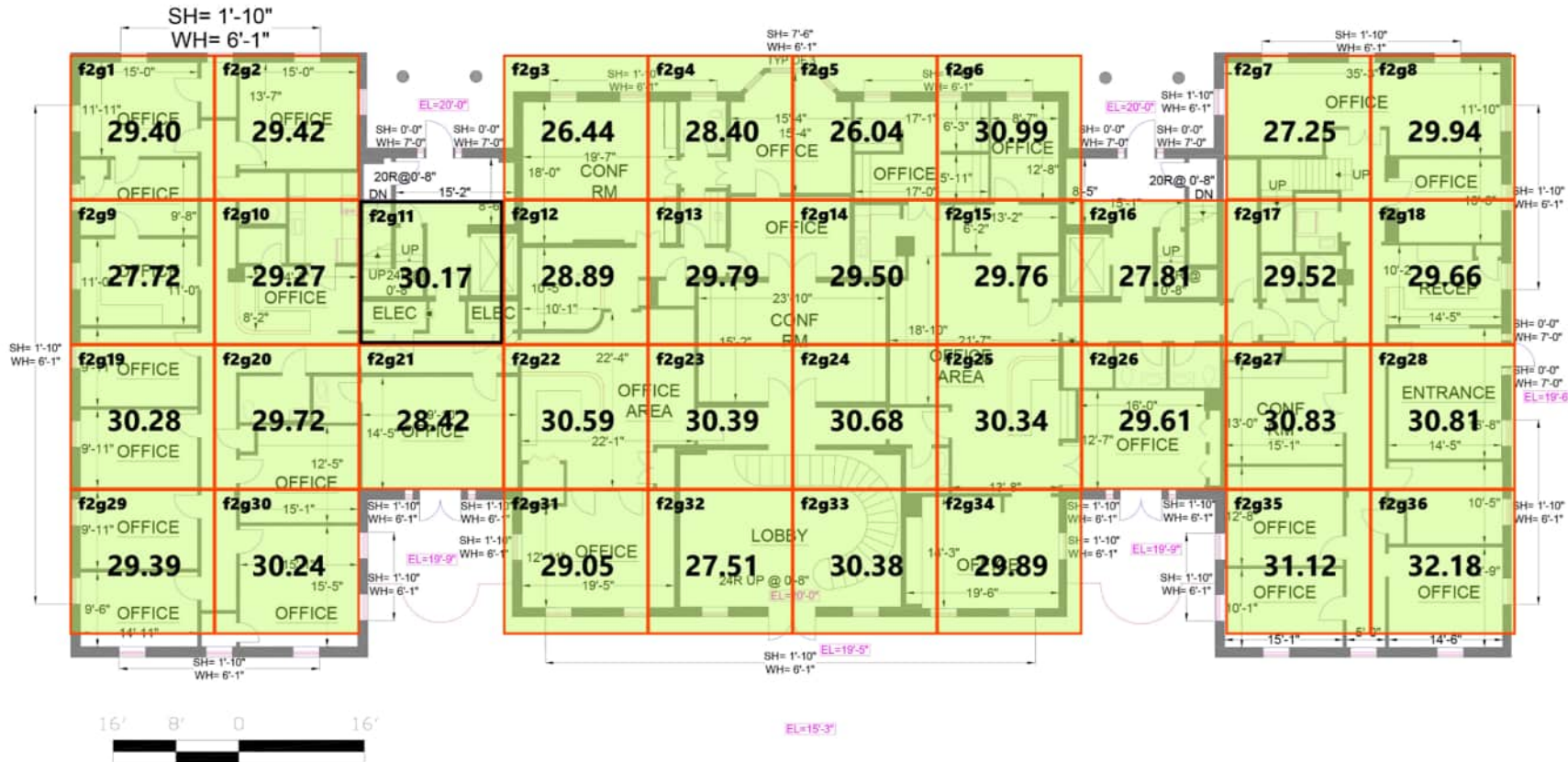
Grid Id	RSSI (dBm)	SINR (dB)	BER (%)	Pass/Fail
f1g1	-90.95	28.30	0.51	PASS
f1g2	-87.36	30.13	0.45	PASS
f1g3	-93.66	26.29	0.60	PASS
f1g4	-91.83	27.73	0.46	PASS
f1g5	-93.35	24.70	0.59	PASS
f1g6	-91.46	28.26	0.54	PASS
f1g7	-91.47	28.40	0.54	PASS
f1g8	-90.63	26.43	0.64	PASS
f1g9	-94.04	26.43	0.62	PASS
f1g10	-91.52	28.46	0.39	PASS
f1g11	-91.80	23.69	0.66	PASS
f1g12	-91.97	28.11	0.64	PASS
f1g13	-91.26	28.75	0.58	PASS
f1g14	-90.01	29.32	0.48	PASS
f1g15	-91.23	28.69	0.45	PASS
f1g16	-95.02	25.99	0.62	FAIL
f1g17	-90.67	29.06	0.47	PASS
f1g18	-94.19	27.15	0.73	PASS
f1g19	-94.00	24.26	0.57	PASS
f1g20	-91.26	28.84	0.53	PASS
f1g21	-95.37	26.63	0.62	FAIL
f1g22	-92.32	28.18	0.67	PASS
f1g23	-93.15	28.09	0.73	PASS
f1g24	-92.51	27.22	0.63	PASS
f1g25	-89.35	29.94	0.51	PASS

Grid Id	RSSI (dBm)	SINR (dB)	BER (%)	Pass/Fail
f1g26	-89.34	30.16	0.53	PASS
f1g27	-89.68	27.64	0.46	PASS
f1g28	-89.46	29.89	0.59	PASS
f1g29	-90.87	29.24	0.52	PASS
f1g30	-92.11	23.51	0.51	PASS
f1g31	-96.21	25.52	0.69	FAIL
f1g32	-93.14	27.91	0.59	PASS
f1g33	-92.91	28.53	0.56	PASS
f1g34	-94.74	23.70	0.58	PASS
f1g35	-91.84	28.84	0.53	PASS
f1g36	-88.39	30.63	0.42	PASS

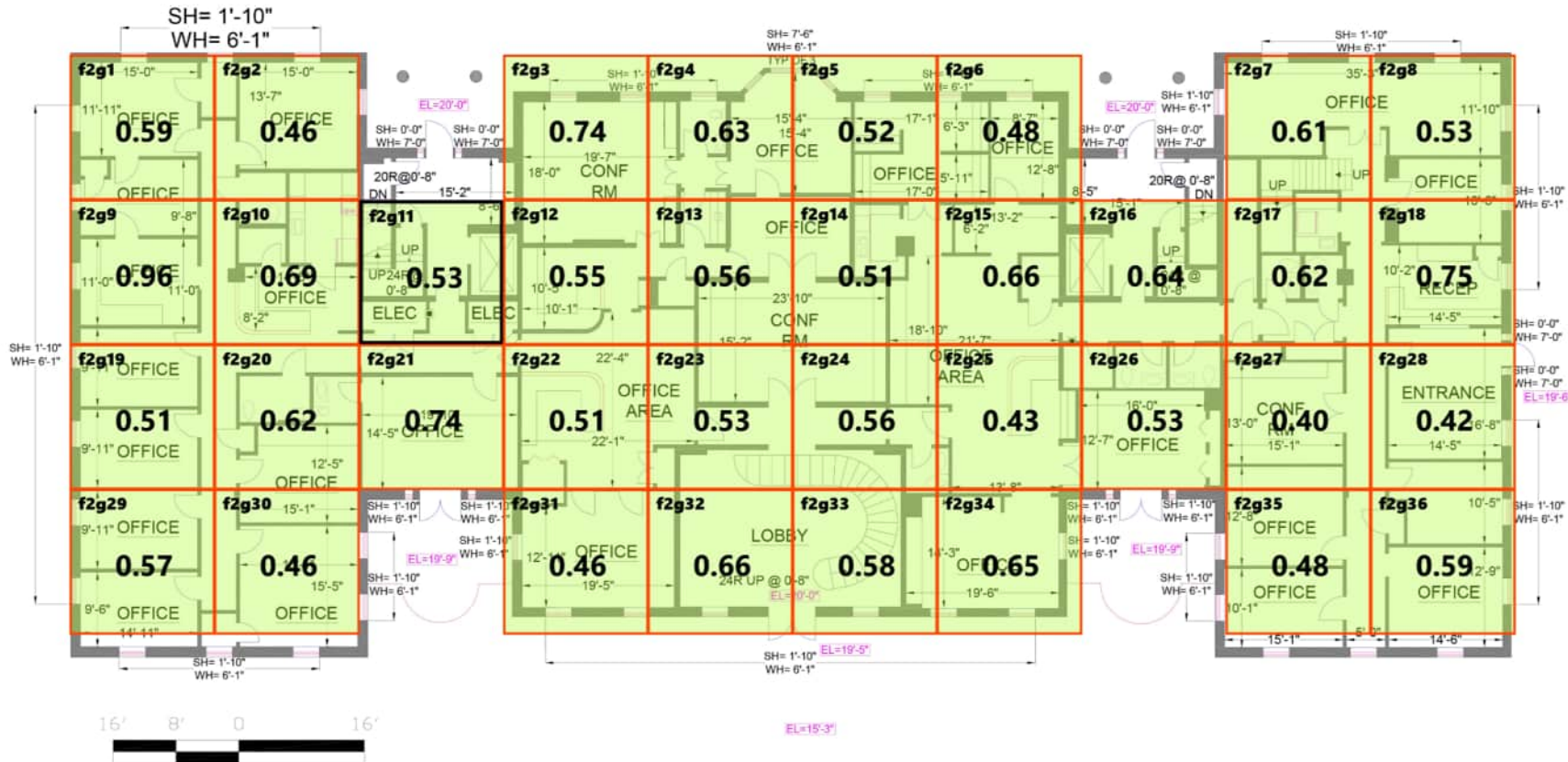
Floor 2: RSSI (dBm)



Floor 2: SINR (dB)



Floor 2: FBER (%)



FLOOR 2 SUMMARY - FAIL

All Areas (Pass/Total)	Critical Areas (Pass/Total)	Measurement Area Size
34/36 (94.44%)	1/1 (100.00%)	N/A

RSSI MEASUREMENT SUMMARY

Minimum (dBm)	Maximum (dBm)	Average (dBm)
-95.68	-86.00	-90.66

SINR MEASUREMENT SUMMARY

Minimum (dB)	Maximum (dB)	Average (dB)
26.04	32.18	29.48

FBER MEASUREMENT SUMMARY

Minimum (%)	Maximum (%)	Average (%)
0.40	0.96	0.58

SIGNAL MEASUREMENTS

Grid Id	RSSI (dBm)	SINR (dB)	BER (%)	Pass/Fail
f2g1	-90.96	29.40	0.59	PASS
f2g2	-89.92	29.42	0.46	PASS
f2g3	-95.24	26.44	0.74	FAIL
f2g4	-93.22	28.40	0.63	PASS
f2g5	-95.68	26.04	0.52	FAIL
f2g6	-88.52	30.99	0.48	PASS
f2g7	-93.78	27.25	0.61	PASS
f2g8	-89.37	29.94	0.53	PASS
f2g9	-91.97	27.72	0.96	PASS
f2g10	-90.52	29.27	0.69	PASS
f2g11	-89.11	30.17	0.53	PASS
f2g12	-91.90	28.89	0.55	PASS
f2g13	-89.94	29.79	0.56	PASS
f2g14	-90.33	29.50	0.51	PASS
f2g15	-89.39	29.76	0.66	PASS
f2g16	-93.31	27.81	0.64	PASS
f2g17	-90.11	29.52	0.62	PASS
f2g18	-89.47	29.66	0.75	PASS
f2g19	-88.83	30.28	0.51	PASS
f2g20	-90.67	29.72	0.62	PASS
f2g21	-91.91	28.42	0.74	PASS
f2g22	-88.96	30.59	0.51	PASS
f2g23	-89.83	30.39	0.53	PASS
f2g24	-89.00	30.68	0.56	PASS
f2g25	-89.40	30.34	0.43	PASS

Grid Id	RSSI (dBm)	SINR (dB)	BER (%)	Pass/Fail
f2g26	-91.19	29.61	0.53	PASS
f2g27	-88.91	30.83	0.40	PASS
f2g28	-88.59	30.81	0.42	PASS
f2g29	-91.88	29.39	0.57	PASS
f2g30	-90.17	30.24	0.46	PASS
f2g31	-92.11	29.05	0.46	PASS
f2g32	-94.71	27.51	0.66	PASS
f2g33	-89.54	30.38	0.58	PASS
f2g34	-90.72	29.89	0.65	PASS
f2g35	-88.71	31.12	0.48	PASS
f2g36	-86.00	32.18	0.59	PASS