

Emergency Responder Radio System Coverage Report Test Results

Date Prepared:	Mar 28, 2025
Test File:	JOHN JONES NAVIGATION CENTER 2ND TEST_20250328_044702
Test Location:	JOHN JONES NAVIGATION CENTER
	5537 College Rd Key West
Technician:	
FCC#:	

The test results set forth in this report reflect conditions at the time of testing.

Building: JOHN JONES NAVIGATION CENTER
Result: Fail

Test Report Summary

Channel/ Ch Group	Freq (MHz)	Technology	Band	Result	Area Points passed (%)	Critical Points passed (%)
Monroe County FL Site 4 Key West Control Channels: 6, 7	853.66250 853.83750	P25	Monroe County FL Site 4 Key West	Fail	18/36 (50%)	1/2 (50%)
Monroe County FL Site 3 Stock Island Control Channels: 4, 5	853.36250 853.73750	P25	Monroe County FL Site 3 - Stock Island	Fail	29/36 (80%)	1/2 (50%)
Monroe County Fire: 1, 2	853.66250 853.83750	P25	MONROE COUNTY FIRE	Fail	20/36 (55%)	1/2 (50%)

Test Details			
Number of Floors Tested:	2	Result Calculation:	By area per floor
Number of Areas Tested:	36	Area Pass Criteria:	95%
Number of Critical Points Tested:	2	Critical Points Pass Criteria:	99%
		Apply Adjacent Area Rule:	No

Equipment Configuration

Vendor	Application	Device	Calibration Expires	Antenna info
PCTEL	SeeHawk Touch rel 5.2.0.3	SeeGull IBflex Device rel 3.12.0.0 SN: 082406035	7-10-2026	

Threshold Settings

Measurement	DL Area Point	DL Critical Point	DL Use for grading	UL Area Point	UL Critical Point	UL Use for grading
P25 Power (RSSI)	-95.0 dBm	-95.0 dBm	Yes	-95.0 dBm	-95.0 dBm	Yes
P25 S/N (SINR)	20.0 dB	22.0 dB	Yes	20.0 dB	22.0 dB	Yes
P25 FBER	2.0 %	1.5 %	Yes	2.0 %	1.5 %	Yes
DAQ	3.0		Yes			

Sample collection method

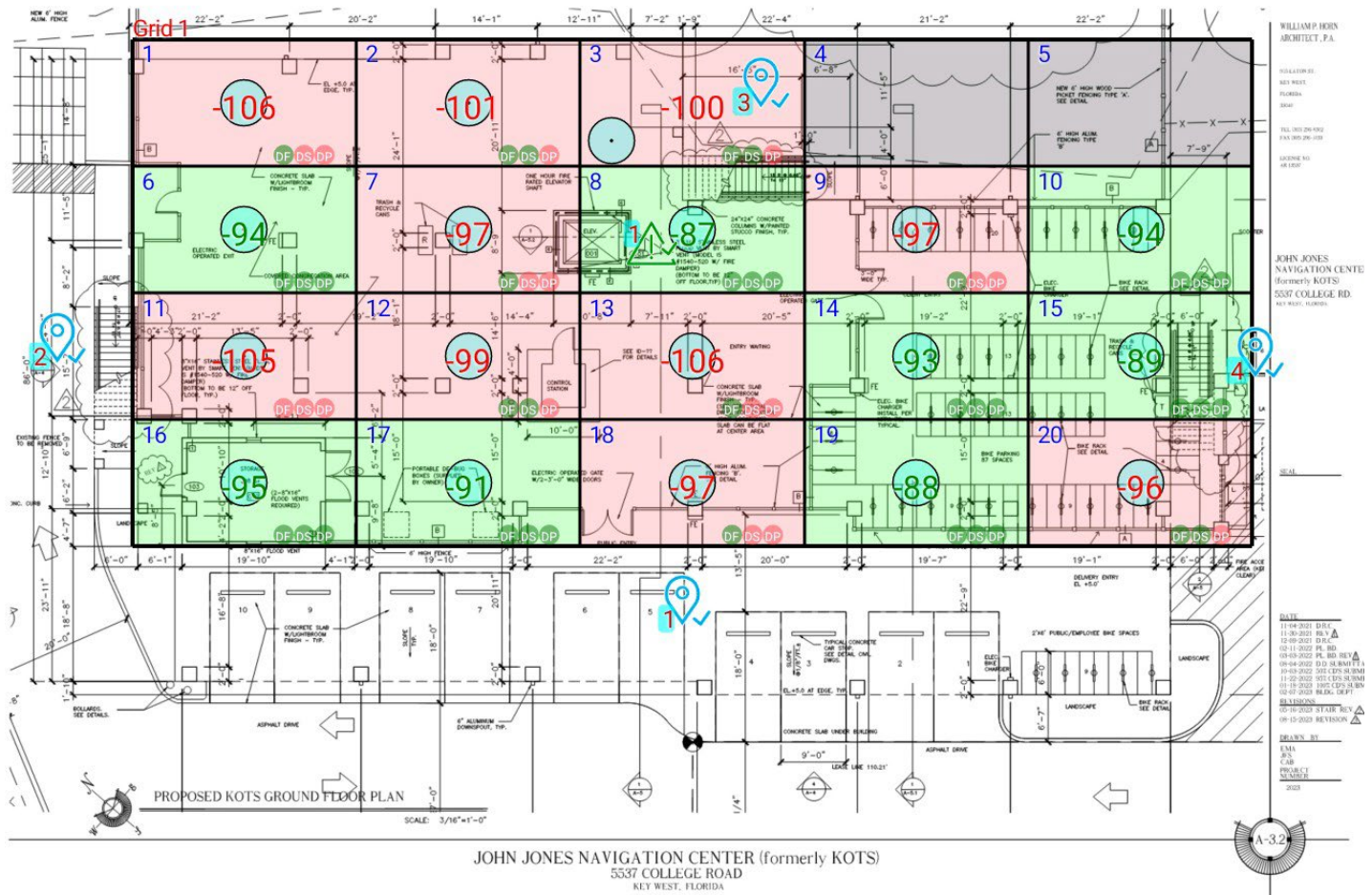
Measurement	Sample Collection Method
P25 Traffic Channels Power	Max
P25 Control Channels Power	Average
P25 Traffic Channels SINR	Average

Floors Result

Floor Plan	Monroe County FL Site 4 Key West Control Channels	Monroe County FL Site 3 Stock Island Control Channels	Monroe County Fire
Ground Floor	Fail	Fail	Fail
First Floor	Fail	Fail	Fail

Floor: Ground Floor
Group: Monroe County FL Site 4 Key West Control Channels Channel: 6, 7
Result: Fail

Freq (MHz)	Tech	Band	Ant Gain	Cable Loss	Ph.	Type	Mod	NAC	Area Points passed (%)	Critical Points passed (%)
853.66250	P25	Monroe County FL Site 4	0.00	0.00	1	CC	C4FM	694	8/18 (44%)	1/1 (100%)
853.83750		Key West				CC				



Grid	# of Areas	Area Size (sq. ft)	Area Width (ft)	Area Height (ft)	Ignore Area Color	Comments
1	20	544.62	31.03	17.55	Black	

Floor: Ground Floor

Group: Monroe County FL Site 4 Key West Control Channels Channel: 6, 7

Reference Points

Reference Point	DL Power (dBm)	DL S/N (dB)	DL FBER (%)	DL DAQ	UL Power (dBm)	UL S/N (dB)	UL FBER (%)	UL DAQ	UL Radio ID	UL Tested	Selected	Comment
1	-88.35	24.12	0.00									
2	-87.47	31.54	0.00									
3	-94.64	26.70	0.00									
4	-90.97	23.96	0.00									

Critical Points

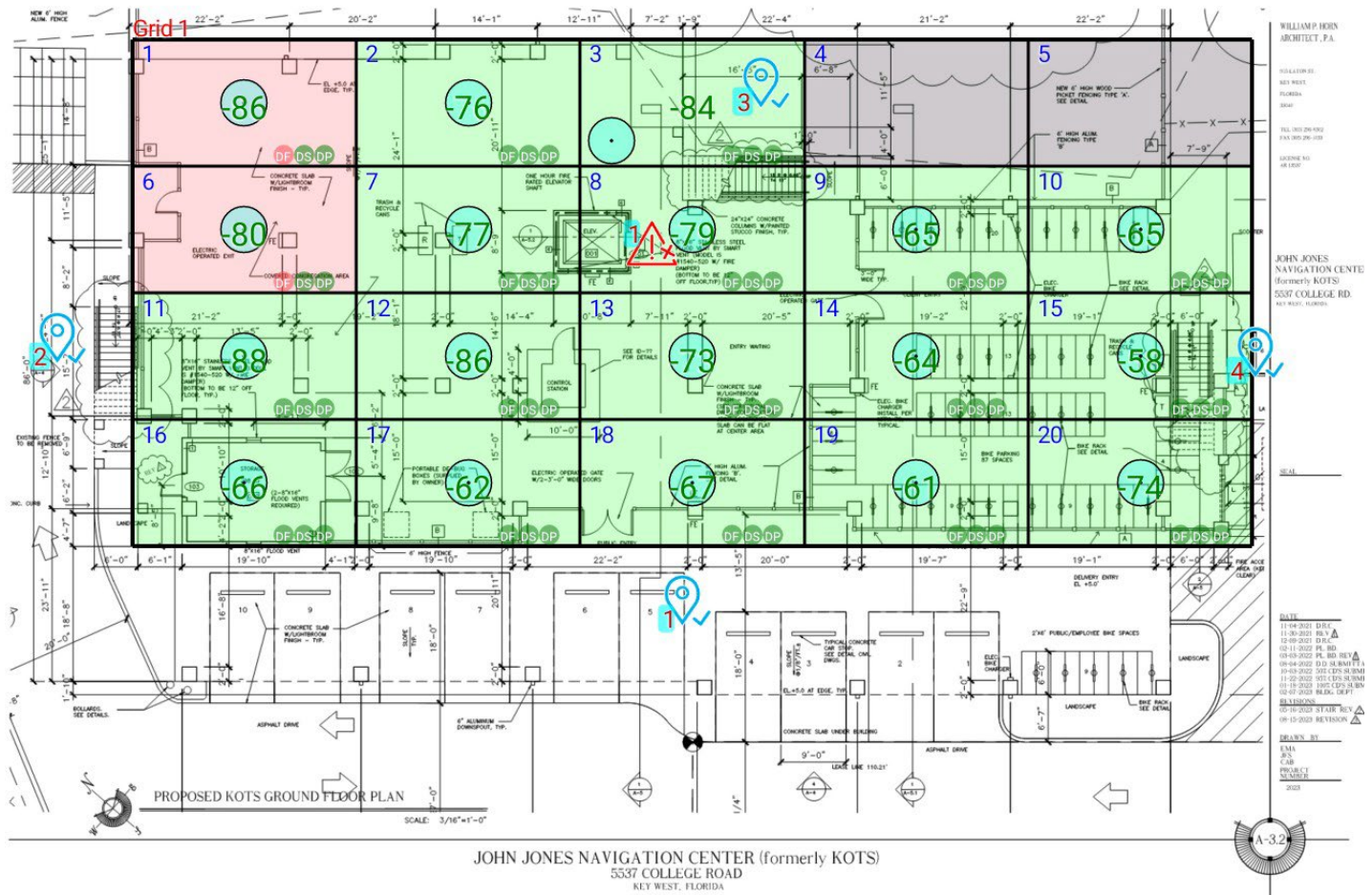
Critical Point	DL Power (dBm)	DL S/N (dB)	DL FBER (%)	DL DAQ	UL Power (dBm)	UL S/N (dB)	UL FBER (%)	UL DAQ	UL Radio ID	UL Tested	Result	DL Loss (dB)	Comment
1	-87.97	31.51	0.00								Pass		

Area Points

Grid	Area	DL Power (dBm)	DL S/N (dB)	DL FBER (%)	DL DAQ	UL Power (dBm)	UL S/N (dB)	UL FBER (%)	UL DAQ	UL Radio ID	UL Tested	Result	DL Loss (dB)	Comment
1	1	-105.73	17.36	0.00								Fail		
1	2	-100.66	23.28	0.00								Fail		
1	3	-99.06	23.17	0.00								Fail		
1	4	NT	NT	NT	NT	NT	NT	NT	NT			NT		
1	5	NT	NT	NT	NT	NT	NT	NT	NT			NT		
1	6	-93.68	30.80	0.00								Pass		
1	7	-96.87	18.94	0.00								Fail		
1	8	-86.05	35.54	0.00								Pass		
1	9	-96.92	19.33	0.00								Fail		
1	10	-93.80	25.52	0.00								Pass		
1	11	-104.72	18.98	5.40								Fail		
1	12	-98.98	22.99	0.00								Fail		
1	13	-105.04	15.85	0.00								Fail		
1	14	-92.84	23.55	0.00								Pass		
1	15	-88.28	22.13	0.00								Pass		
1	16	-94.16	20.45	0.00								Pass		
1	17	-90.11	24.55	0.00								Pass		
1	18	-96.27	13.83	0.00								Fail		
1	19	-87.23	29.25	0.00								Pass		
1	20	-95.49	22.46	0.00								Fail		

Floor: Ground Floor
Group: Monroe County FL Site 3 Stock Island Control Channels Channel: 4, 5
Result: Fail

Freq (MHz)	Tech	Band	Ant Gain	Cable Loss	Ph.	Type	Mod	NAC	Area Points passed (%)	Critical Points passed (%)
853.36250	P25	Monroe County FL Site 3	0.00	0.00	1	CC	C4FM	693	16/18 (88%)	0/1 (0%)
853.73750		- Stock Island				CC				



Grid	# of Areas	Area Size (sq. ft)	Area Width (ft)	Area Height (ft)	Ignore Area Color	Comments
1	20	544.62	31.03	17.55	Black	

Floor: Ground Floor
Group: Monroe County FL Site 3 Stock Island Control Channels
Channel: 4, 5

Reference Points

Reference Point	DL Power (dBm)	DL S/N (dB)	DL FBER (%)	DL DAQ	UL Power (dBm)	UL S/N (dB)	UL FBER (%)	UL DAQ	UL Radio ID	UL Tested	Selected	Comment
1	-60.11	36.03	4.50									
2	-71.91	35.84	0.00									
3	-72.73	35.62	2.70									
4	-63.43	36.62	0.00									

Critical Points

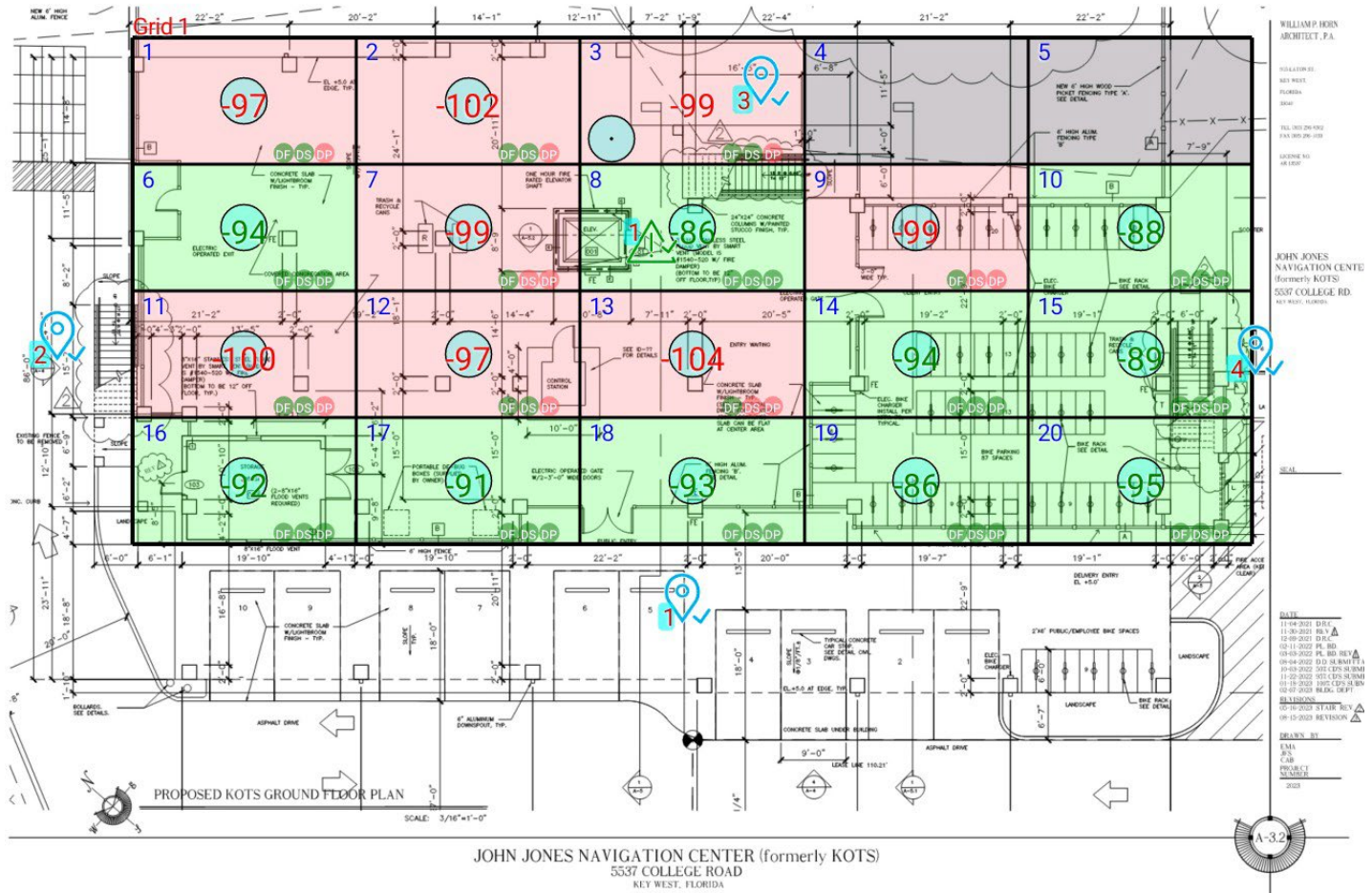
Critical Point	DL Power (dBm)	DL S/N (dB)	DL FBER (%)	DL DAQ	UL Power (dBm)	UL S/N (dB)	UL FBER (%)	UL DAQ	UL Radio ID	UL Tested	Result	DL Loss (dB)	Comment
1	-74.45	36.09	2.70								Fail		

Area Points

Grid	Area	DL Power (dBm)	DL S/N (dB)	DL FBER (%)	DL DAQ	UL Power (dBm)	UL S/N (dB)	UL FBER (%)	UL DAQ	UL Radio ID	UL Tested	Result	DL Loss (dB)	Comment
1	1	-85.16	32.66	7.20								Fail		
1	2	-75.89	35.13	0.00								Pass		
1	3	-83.83	33.69	0.00								Pass		
1	4	NT	NT	NT	NT	NT	NT	NT	NT			NT		
1	5	NT	NT	NT	NT	NT	NT	NT	NT			NT		
1	6	-79.54	35.33	3.60								Fail		
1	7	-76.38	34.99	0.00								Pass		
1	8	-79.00	35.57	0.00								Pass		
1	9	-64.41	36.48	0.00								Pass		
1	10	-64.26	36.36	0.00								Pass		
1	11	-87.56	30.49	0.00								Pass		
1	12	-85.36	31.94	0.00								Pass		
1	13	-72.11	36.22	0.00								Pass		
1	14	-63.92	36.38	0.00								Pass		
1	15	-57.85	36.46	0.00								Pass		
1	16	-65.35	36.36	0.00								Pass		
1	17	-61.02	36.43	0.00								Pass		
1	18	-66.62	33.30	0.00								Pass		
1	19	-60.56	36.12	0.00								Pass		
1	20	-73.85	35.11	0.00								Pass		

Floor: Ground Floor
Group: Monroe County Fire Channel: 1, 2
Result: Fail

Freq (MHz)	Tech	Band	Ant Gain	Cable Loss	Ph.	Type	Mod	NAC	Area Points passed (%)	Critical Points passed (%)
853.66250	P25	MONROE COUNTY	0.00	0.00	1	CC	C4FM	694	10/18 (55%)	1/1 (100%)
853.83750		FIRE				CC				



Grid	# of Areas	Area Size (sq. ft)	Area Width (ft)	Area Height (ft)	Ignore Area Color	Comments
1	20	544.62	31.03	17.55	Black	

Floor: Ground Floor

Group: Monroe County Fire Channel: 1, 2

Reference Points

Reference Point	DL Power (dBm)	DL S/N (dB)	DL FBER (%)	DL DAQ	UL Power (dBm)	UL S/N (dB)	UL FBER (%)	UL DAQ	UL Radio ID	UL Tested	Selected	Comment
1	-82.58	27.94	0.00									
2	-87.13	30.36	0.00									
3	-92.84	28.12	0.00									
4	-93.05	22.32	0.00									

Critical Points

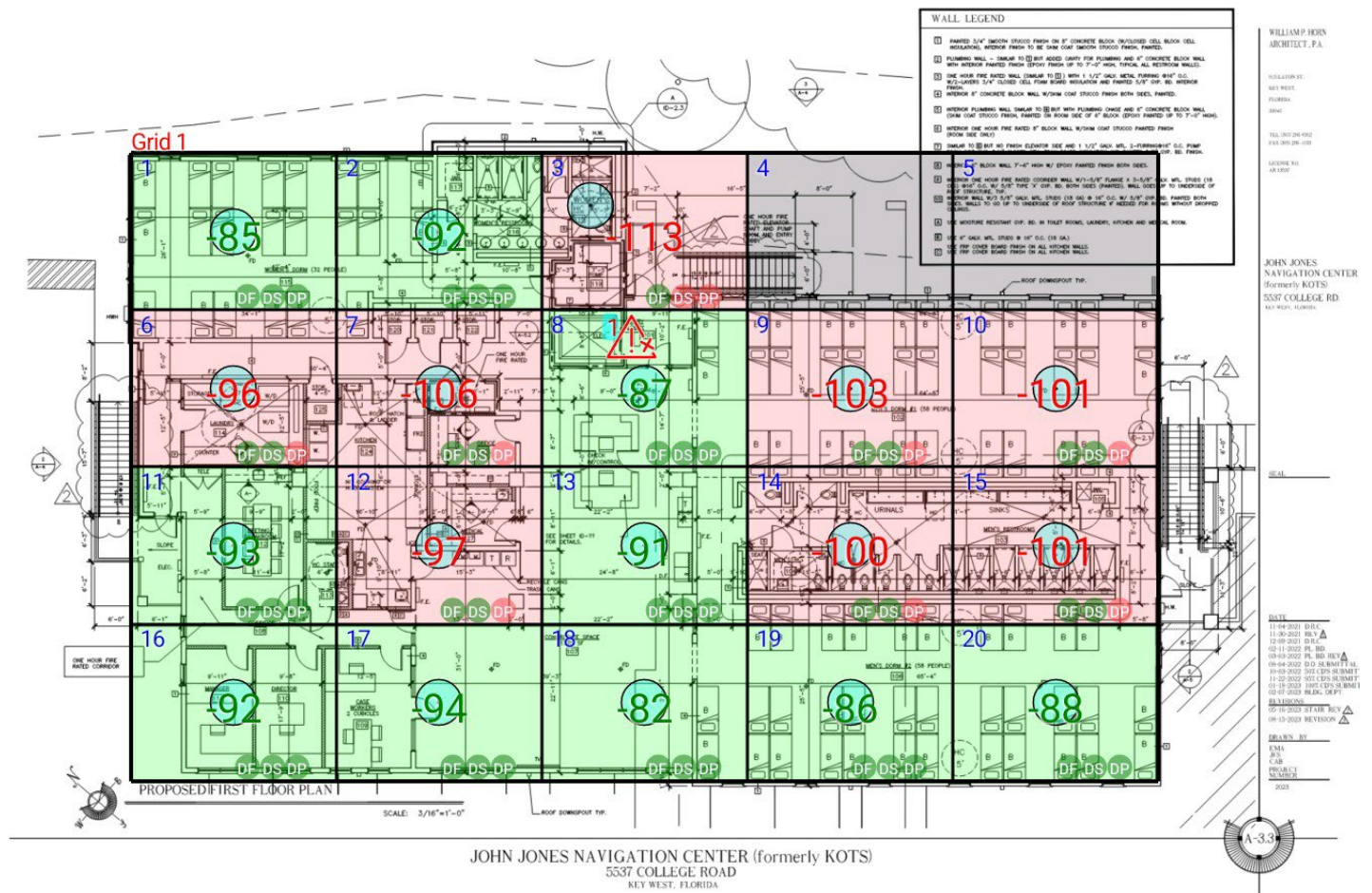
Critical Point	DL Power (dBm)	DL S/N (dB)	DL FBER (%)	DL DAQ	UL Power (dBm)	UL S/N (dB)	UL FBER (%)	UL DAQ	UL Radio ID	UL Tested	Result	DL Loss (dB)	Comment
1	-86.92	32.58	0.00								Pass		

Area Points

Grid	Area	DL Power (dBm)	DL S/N (dB)	DL FBER (%)	DL DAQ	UL Power (dBm)	UL S/N (dB)	UL FBER (%)	UL DAQ	UL Radio ID	UL Tested	Result	DL Loss (dB)	Comment
1	1	-96.53	23.42	0.00								Fail		
1	2	-101.40	22.66	0.00								Fail		
1	3	-98.73	22.38	0.00								Fail		
1	4	NT	NT	NT	NT	NT	NT	NT	NT			NT		
1	5	NT	NT	NT	NT	NT	NT	NT	NT			NT		
1	6	-93.03	31.42	0.00								Pass		
1	7	-98.09	19.97	0.00								Fail		
1	8	-85.90	35.10	0.00								Pass		
1	9	-98.19	18.96	0.00								Fail		
1	10	-87.34	26.94	0.00								Pass		
1	11	-99.31	24.80	0.00								Fail		
1	12	-96.65	22.64	0.00								Fail		
1	13	-103.56	18.03	0.00								Fail		
1	14	-93.32	24.10	0.00								Pass		
1	15	-88.13	23.28	0.00								Pass		
1	16	-91.91	22.42	0.00								Pass		
1	17	-90.88	23.75	0.00								Pass		
1	18	-92.33	20.47	0.00								Pass		
1	19	-85.98	27.98	0.00								Pass		
1	20	-94.83	22.83	0.00								Pass		

Floor: First Floor
Group: Monroe County FL Site 4 Key West Control Channels Channel: 6, 7
Result: Fail

Freq (MHz)	Tech	Band	Ant Gain	Cable Loss	Ph.	Type	Mod	NAC	Area Points passed (%)	Critical Points passed (%)
853.66250	P25	Monroe County FL Site 4	0.00	0.00	1	CC	C4FM	694	10/18 (55%)	0/1 (0%)
853.83750		Key West				CC				



Grid	# of Areas	Area Size (sq. ft)	Area Width (ft)	Area Height (ft)	Ignore Area Color	Comments
1	20	618.07	28.44	21.73	Black	

Floor: First Floor

Group: Monroe County FL Site 4 Key West Control Channels Channel: 6, 7

Critical Points

Critical Point	DL Power (dBm)	DL S/N (dB)	DL FBER (%)	DL DAQ	UL Power (dBm)	UL S/N (dB)	UL FBER (%)	UL DAQ	UL Radio ID	UL Tested	Result	DL Loss (dB)	Comment
1	-95.72	29.10	0.00								Fail		

Area Points

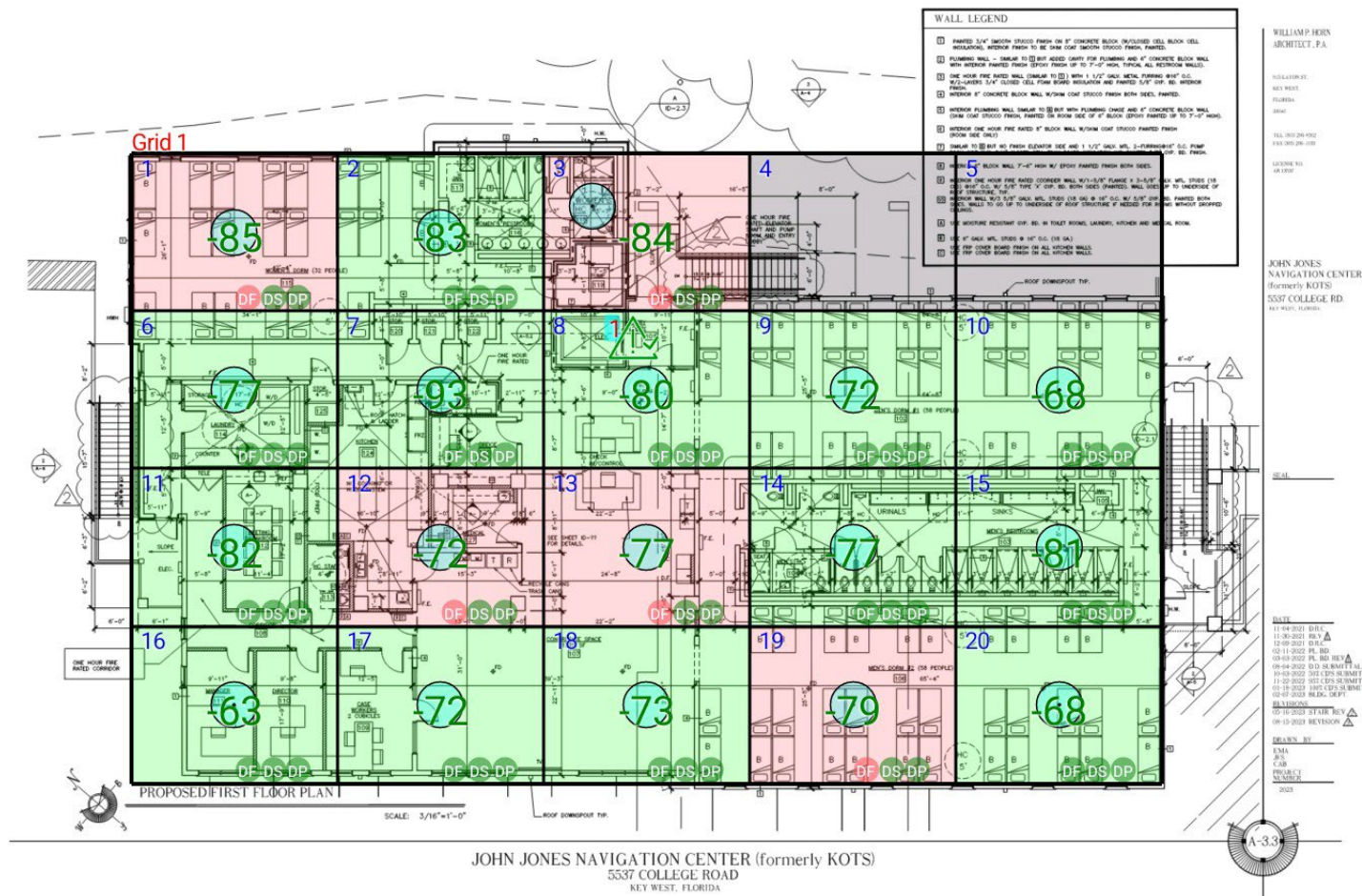
Grid	Area	DL Power (dBm)	DL S/N (dB)	DL FBER (%)	DL DAQ	UL Power (dBm)	UL S/N (dB)	UL FBER (%)	UL DAQ	UL Radio ID	UL Tested	Result	DL Loss (dB)	Comment
1	1	-84.53	34.11	0.00								Pass		
1	2	-91.26	30.28	0.00								Pass		
1	3	-112.27	13.98	0.00								Fail		
1	4	NT	NT	NT	NT	NT	NT	NT	NT			NT		
1	5	NT	NT	NT	NT	NT	NT	NT	NT			NT		
1	6	-95.53	24.01	0.00								Fail		
1	7	-105.77	23.46	0.00								Fail		
1	8	-86.19	35.30	0.00								Pass		
1	9	-102.18	20.01	0.00								Fail		
1	10	-100.37	21.97	0.00								Fail		
1	11	-93.00	31.67	0.00								Pass		
1	12	-96.02	27.68	0.00								Fail		
1	13	-90.55	30.76	0.00								Pass		
1	14	-99.68	25.76	0.00								Fail		
1	15	-100.40	24.99	0.00								Fail		
1	16	-91.17	25.04	0.00								Pass		
1	17	-93.10	28.11	0.00								Pass		
1	18	-81.38	35.01	0.00								Pass		
1	19	-85.33	33.84	0.00								Pass		
1	20	-87.13	32.19	0.00								Pass		

Floor: First Floor

Group: Monroe County FL Site 3 Stock Island Control Channels Channel: 4, 5

Result: Fail

Freq (MHz)	Tech	Band	Ant Gain	Cable Loss	Ph.	Type	Mod	NAC	Area Points passed (%)	Critical Points passed (%)
853.36250	P25	Monroe County FL Site 3	0.00	0.00		CC			13/18 (72%)	1/1 (100%)
853.73750		- Stock Island			1	CC	C4FM	693		



Grid	# of Areas	Area Size (sq. ft)	Area Width (ft)	Area Height (ft)	Ignore Area Color	Comments
1	20	618.07	28.44	21.73	Black	

Floor: First Floor
Group: Monroe County FL Site 3 Stock Island Control Channels
Channel: 4, 5

Critical Points

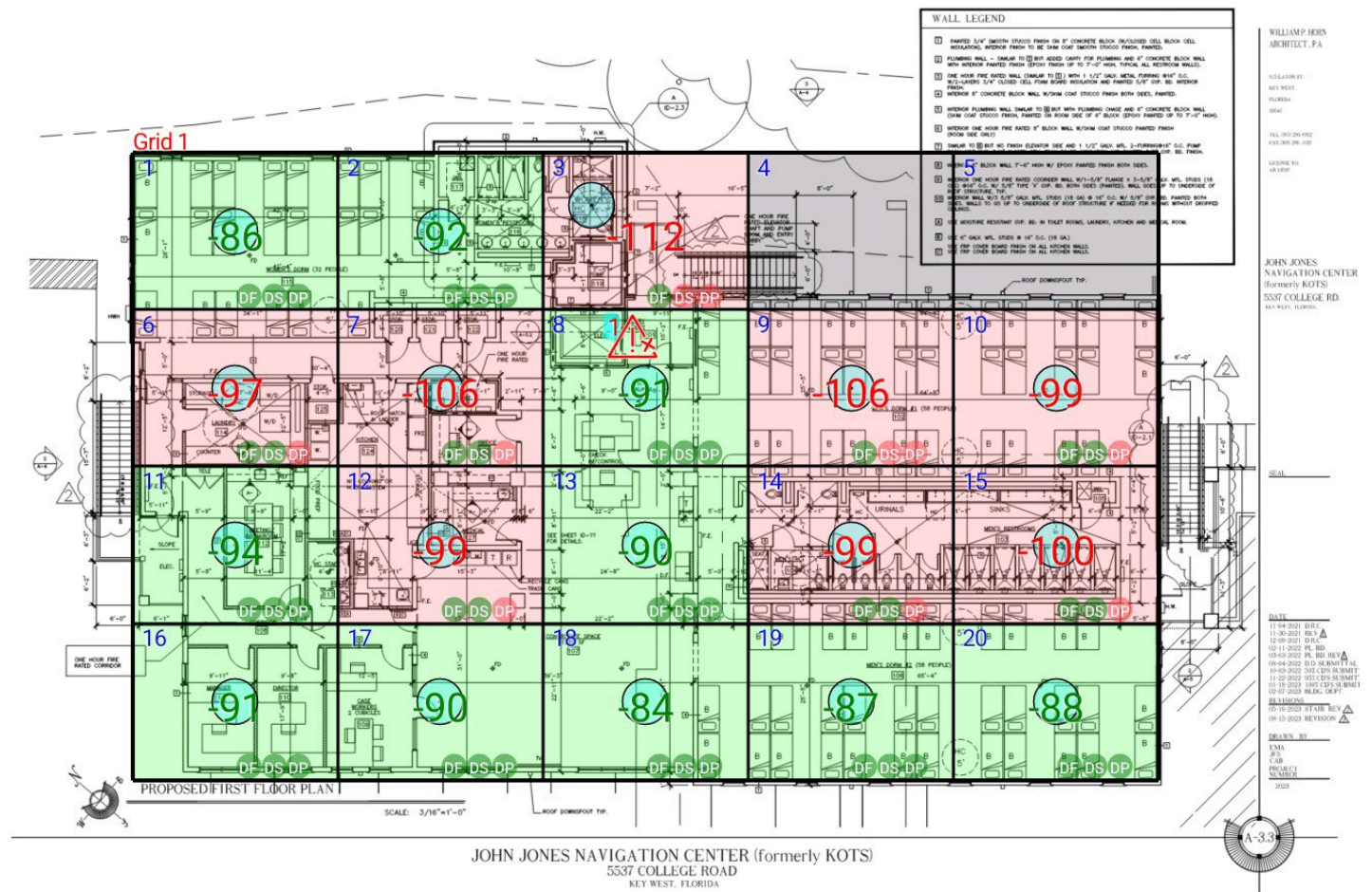
Critical Point	DL Power (dBm)	DL S/N (dB)	DL FBER (%)	DL DAQ	UL Power (dBm)	UL S/N (dB)	UL FBER (%)	UL DAQ	UL Radio ID	UL Tested	Result	DL Loss (dB)	Comment
1	-76.43	36.30	0.00								Pass		

Area Points

Grid	Area	DL Power (dBm)	DL S/N (dB)	DL FBER (%)	DL DAQ	UL Power (dBm)	UL S/N (dB)	UL FBER (%)	UL DAQ	UL Radio ID	UL Tested	Result	DL Loss (dB)	Comment
1	1	-84.58	32.76	2.70								Fail		
1	2	-82.23	34.91	0.00								Pass		
1	3	-83.22	35.89	2.70								Fail		
1	4	NT	NT	NT	NT	NT	NT	NT	NT			NT		
1	5	NT	NT	NT	NT	NT	NT	NT	NT			NT		
1	6	-76.56	35.50	0.00								Pass		
1	7	-92.66	33.61	1.80								Pass		
1	8	-79.63	35.78	1.80								Pass		
1	9	-71.22	36.22	0.00								Pass		
1	10	-67.41	36.72	0.00								Pass		
1	11	-81.54	34.65	0.00								Pass		
1	12	-71.88	36.57	2.70								Fail		
1	13	-76.19	36.31	3.60								Fail		
1	14	-76.18	35.95	0.00								Pass		
1	15	-80.54	36.19	0.00								Pass		
1	16	-62.09	36.69	0.00								Pass		
1	17	-71.79	36.25	0.00								Pass		
1	18	-72.85	36.98	0.00								Pass		
1	19	-78.78	35.90	2.70								Fail		
1	20	-67.15	36.65	0.00								Pass		

Floor: First Floor
Group: Monroe County Fire Channel: 1, 2
Result: Fail

Freq (MHz)	Tech	Band	Ant Gain	Cable Loss	Ph.	Type	Mod	NAC	Area Points passed (%)	Critical Points passed (%)
853.66250 853.83750	P25	MONROE COUNTY FIRE	0.00	0.00	1	CC CC	C4FM	694	10/18 (55%)	0/1 (0%)



Grid	# of Areas	Area Size (sq. ft)	Area Width (ft)	Area Height (ft)	Ignore Area Color	Comments
1	20	618.07	28.44	21.73	Black	

Floor: First Floor

Group: Monroe County Fire Channel: 1, 2

Critical Points

Critical Point	DL Power (dBm)	DL S/N (dB)	DL FBER (%)	DL DAQ	UL Power (dBm)	UL S/N (dB)	UL FBER (%)	UL DAQ	UL Radio ID	UL Tested	Result	DL Loss (dB)	Comment
1	-97.05	28.91	0.00								Fail		

Area Points

Grid	Area	DL Power (dBm)	DL S/N (dB)	DL FBER (%)	DL DAQ	UL Power (dBm)	UL S/N (dB)	UL FBER (%)	UL DAQ	UL Radio ID	UL Tested	Result	DL Loss (dB)	Comment
1	1	-85.20	34.15	0.00								Pass		
1	2	-91.43	29.62	0.00								Pass		
1	3	-111.40	15.89	0.00								Fail		
1	4	NT	NT	NT	NT	NT	NT	NT	NT			NT		
1	5	NT	NT	NT	NT	NT	NT	NT	NT			NT		
1	6	-96.28	23.22	0.00								Fail		
1	7	-105.95	23.01	0.00								Fail		
1	8	-90.66	32.19	0.00								Pass		
1	9	-105.84	16.18	0.00								Fail		
1	10	-98.17	24.17	0.00								Fail		
1	11	-93.76	32.12	0.00								Pass		
1	12	-98.78	24.49	0.00								Fail		
1	13	-89.98	31.55	0.00								Pass		
1	14	-98.31	26.56	0.00								Fail		
1	15	-99.89	26.70	0.00								Fail		
1	16	-90.97	25.26	0.00								Pass		
1	17	-89.73	29.50	0.00								Pass		
1	18	-83.30	35.04	0.00								Pass		
1	19	-86.93	34.03	0.00								Pass		
1	20	-87.06	32.23	0.00								Pass		

Additional Info