



MOTOROLA
SOLUTIONS

Inspection Report

Asset:

Mt Defiance 

Reported by:

eric.ward@motorolasolutions.com

07/07/2022 11:46 EDT

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Overview



Mt Defiance [redacted] [↗](#)

Type: Telecom

Location: [redacted]

Description: Mt Defiance [redacted]

Project date: 07/22/2021 17:56 EDT

Annotations

Total amount: 9



ID	Annotation type	Severity	Description	Page
Mount needs REMOVED	Mount	5	Unused Mount at 175' to be removed	4
DISH TO BE REMOVED	uW Link	5	Andrew PAR8-65-P7A @ 92' TO BE REMOVED	5
DISH TO BE REMOVED	uW Link	5	Andrew PAR8-65-P7A @ 98' TO BE REMOVED	6
Ice Shield	Mount	1		7
Lightning Rod	Lightning Rod	1		8
Ice Shield	Mount	1		9
Generator	Generator	1		10
Shelter	Shelter	1		11
Full Tower	Tower	1		12

Mt Defiance (273).JPG

Annotations: 1

Camera information

Location: [REDACTED]

Altitude (AMSL): 1489.5 ft

Azimuth: 113.3°



Mount needs REMOVED

Annotation type: Mount

Severity level: 5

Description: Unused Mount at 175' to be removed

Mt Defiance (421).JPG

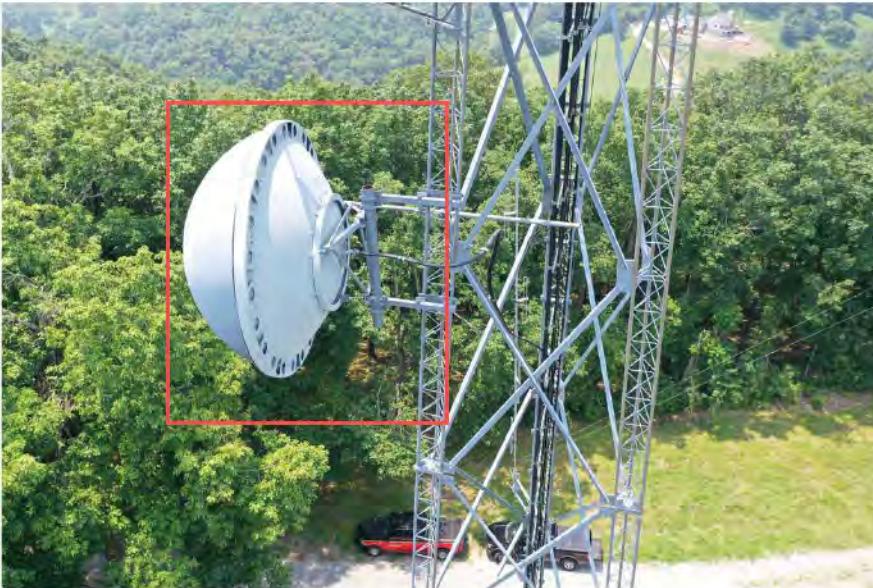
Annotations: 1

Camera information

Location: [REDACTED]

Altitude (AMSL): 1423.88 ft

Azimuth: 236.3°



DISH TO BE REMOVED

Annotation type: uW Link

Severity level: 5

**Description: Andrew PAR8-65-P7A
@ 92' TO BE REMOVED**

Location: [REDACTED]

Altitude (AMSL): 1411.42 ft

Mt Defiance (497).JPG

Annotations: 1

Camera information

Location: [REDACTED]

Altitude (AMSL): 1420.6 ft

Azimuth: 31.5°



DISH TO BE REMOVED

Annotation type: uW Link

Severity level: 5

**Description: Andrew PAR8-65-P7A
@ 98' TO BE REMOVED**



Mt Defiance (521).JPG

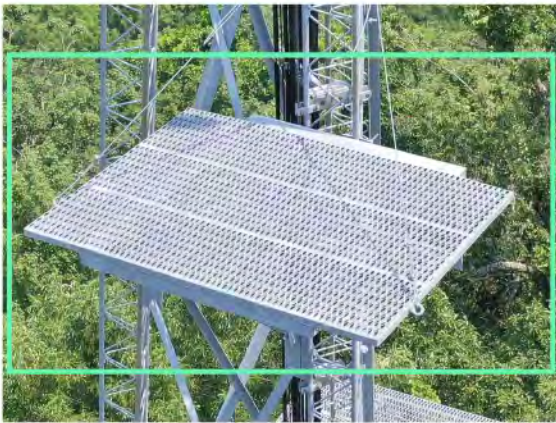
Annotations: 1

Camera information

Location: [REDACTED]

Altitude (AMSL): 1446.85 ft

Azimuth: 92.3°



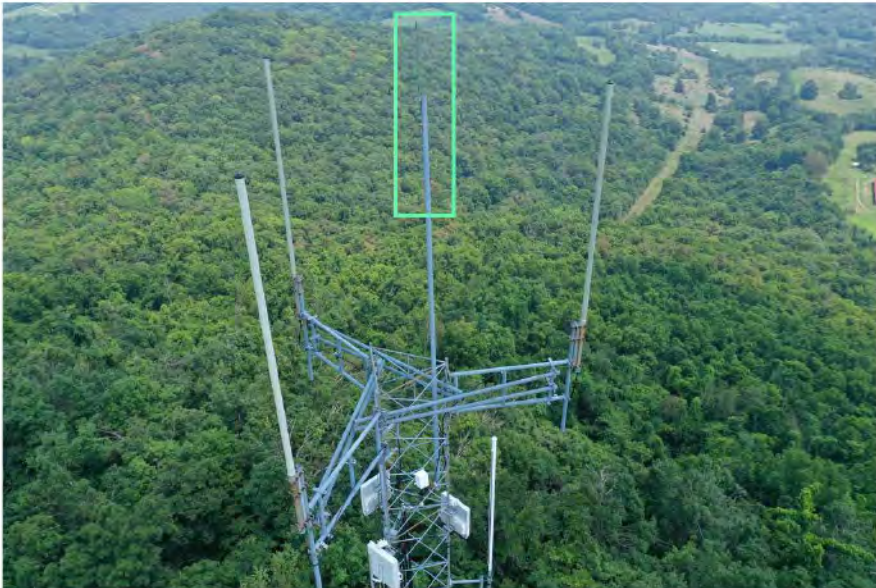
Ice Shield

Annotation type: Mount

Severity level: 1

Location: [REDACTED]

Altitude (AMSL): 1435.01 ft



Mt Defiance (54).JPG

Annotations: 1

Camera information

Location: [REDACTED]

Altitude (AMSL): 1519.03 ft

Azimuth: 19.0°



Lightning Rod

Annotation type: Lightning Rod

Severity level: 1

Location: [REDACTED]

Altitude (AMSL): 1511.88 ft

Mt Defiance (674).JPG

Annotations: 1

Camera information

Location: [REDACTED]

Altitude (AMSL): 1433.73 ft

Azimuth: 273.3°



Ice Shield

Annotation type: Mount

Severity level: 1

Location: [REDACTED]

Altitude (AMSL): 1419.55 ft

Mt Defiance (829).JPG

Annotations: 1

Camera information

Location: [REDACTED]

Altitude (AMSL): 1414.04 ft

Azimuth: 201.7°



Generator

Annotation type: Generator

Severity level: 1

Location: [REDACTED]

Altitude (AMSL): 1325.69 ft

Mt Defiance (837).JPG

Annotations: 1

Camera information

Location: [REDACTED]

Altitude (AMSL): 1414.04 ft

Azimuth: 243.1°



Shelter

Annotation type: Shelter

Severity level: 1

Location: [REDACTED]

Altitude (AMSL): 1329.66 ft



Mt Defiance (890).JPG

Annotations: 1

Camera information

Location: [REDACTED]

Altitude (AMSL): 1555.12 ft

Azimuth: 176.2°



Full Tower

Annotation type: Tower

Severity level: 1

Location: [REDACTED]

Altitude (AMSL): 1461.61 ft

Inventory

ID	Type	Page
Di-Pole Antenna	Panel Antenna	14
Di-Pole Antenna 2	Panel Antenna	14
DB222-A	Panel Antenna	15
Wi-fi 1 of 3	Panel Antenna	16
Wi-fi 2 of 3	Panel Antenna	17
SL11-940 /DT2	Panel Antenna	18
Wi-fi 3 of 3	Panel Antenna	19
TACN Rx 1 DB810KE-XT	Panel Antenna	20
TACN Tx DB810KE-XT	Panel Antenna	21
TACN Rx 2 DB810KE-XT	Panel Antenna	22
Andrew PAR8-65-P7A - To Be Removed	Microwave Antenna	23
Andrew PAR8-65-P7A - To Be Removed	Microwave Antenna	23
MTEMC uW 2	Microwave Antenna	24
MTEMC uW 1	Microwave Antenna	24
TTA 5730 BH	Ancillary Box	25

Di-Pole Antenna

Type	Panel Antenna
Location	[REDACTED]
Altitude (AMSL)	1397.47 ft
Image	Mt Defiance (528).JPG



Di-Pole Antenna 2

Type	Panel Antenna
Location	[REDACTED]
Altitude (AMSL)	1455.28 ft
Image	Mt Defiance (517).JPG



DB222-A

Type	Panel Antenna
Height	127 in
Azimuth	0
Downtilt	0
Frequencies	150 – 158 MHz
Location	
Weight	15.873 lb
Altitude (AMSL)	1483.33 ft
Frequencies	150 – 158 MHz
Model	DB222-A
Image	Mt Defiance (291).JPG



[External links](#)

[CommScope whitepaper](#)

Wi-fi 1 of 3

Type	Panel Antenna
Location	[REDACTED]
Altitude (AMSL)	1488.35 ft
Image	Mt Defiance (292).JPG



Wi-fi 2 of 3

Type	Panel Antenna
Location	[REDACTED]
Altitude (AMSL)	1489.21 ft
Image	Mt Defiance (256).JPG



SL11-940 /DT2

Type	Panel Antenna
Depth	2.375 in
Height	156.25 in
Downtilt	2
Frequencies	TX 952.76875, RX 928.76875
Location	
Altitude (AMSL)	1490.03 ft
Frequencies	TX 952.76875, RX 928.76875
Model	SL11-940 /DT2
Image	Mt Defiance (110).JPG



[External links](#)

[Data sheet](#)

Wi-fi 3 of 3

Type	Panel Antenna
Location	[REDACTED]
Altitude (AMSL)	1488.75 ft
Image	Mt Defiance (290).JPG



TACN Rx 1 DB810KE-XT

Type	Panel Antenna
Depth	3.0 in
Plumb	89.08°
Height	173.0 in
Azimuth	0
Downtilt	0
Location	[REDACTED]
Weight	35.9 lb
Altitude (AMSL)	1511.15 ft
Model	DB810KE-XT
Image	Mt Defiance (23).JPG

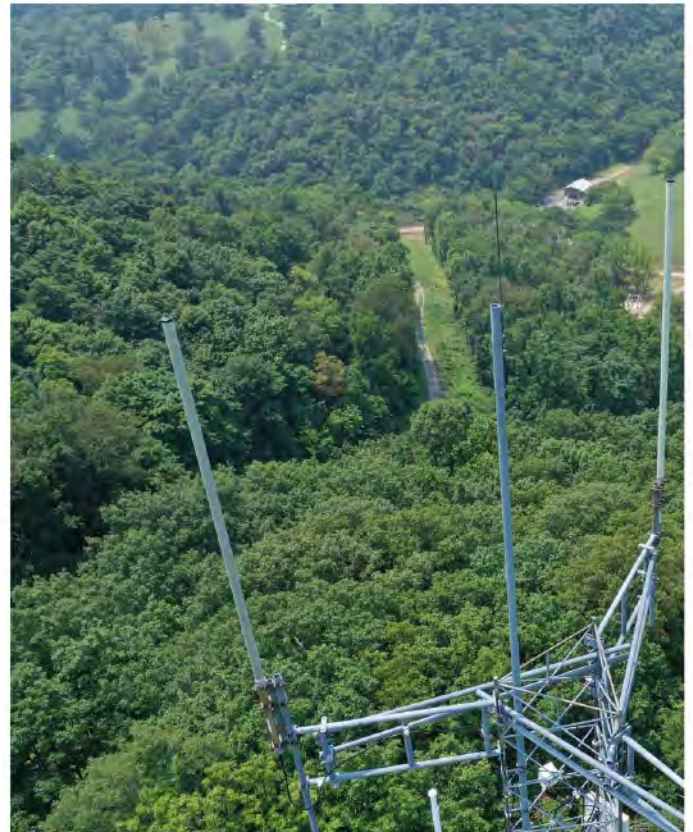


 External links

[data sheet](#)

TACN Tx DB810KE-XT

Type	Panel Antenna
Depth	3.0 in
Plumb	89.49°
Height	173.0 in
Azimuth	0
Downtilt	0
Location	
Weight	35.9 lb
Altitude (AMSL)	1508.33 ft
Model	DB810KE-XT
Image	Mt Defiance (10).JPG



[External links](#)

[data sheet](#)

TACN Rx 2 DB810KE-XT

Type	Panel Antenna
Depth	3"
Plumb	89.31°
Height	173"
Azimuth	0
Downtilt	0
Location	
Weight	35.9 Lb
Altitude (AMSL)	1507.25 ft
Model	DB810KE-XT
Image	Mt Defiance (260).JPG



 External links

[data sheet](#)

Andrew PAR8-65-P7A - To Be Removed

Type	Microwave Antenna
Depth	48"
Width	107"
Height	99"
Location	[REDACTED]
Weight	276 lb
Altitude (AMSL)	1410.1 ft
Model	PAR8-65-P7A
Image	Mt Defiance (628).JPG



[External links](#)

[data sheet](#)

Andrew PAR8-65-P7A - To Be Removed

Type	Microwave Antenna
Depth	48"
Width	107"
Height	99"
Location	[REDACTED]
Weight	276 lb
Altitude (AMSL)	1419.46 ft
Model	PAR8-65-P7A
Image	Mt Defiance (497).JPG



[External links](#)

[data sheet](#)

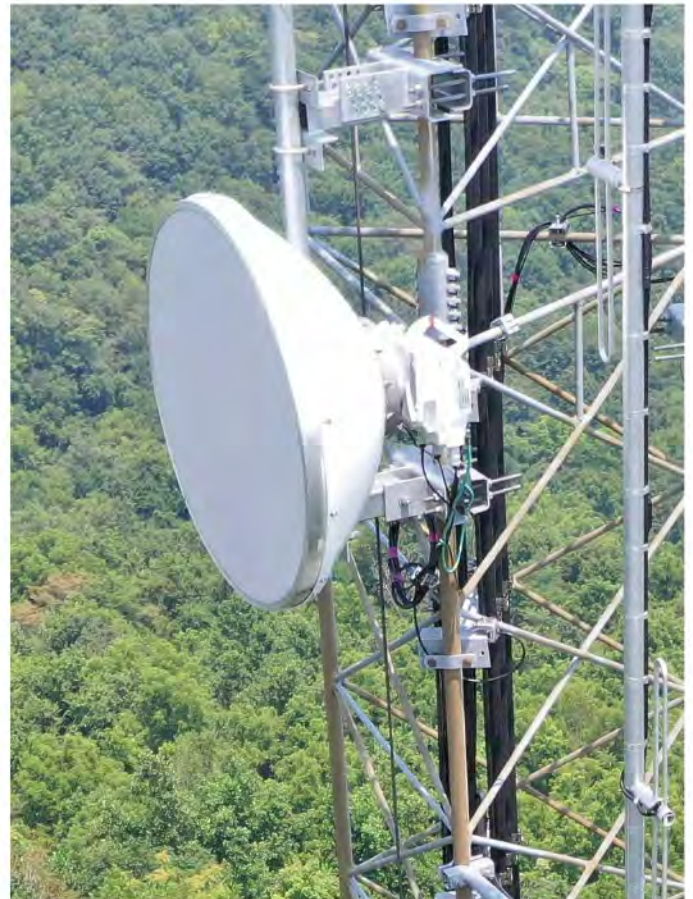
MTEMC uW 2

Type	Microwave Antenna
Location	[REDACTED]
Altitude (AMSL)	1460.01 ft
Image	Mt Defiance (639).JPG



MTEMC uW 1

Type	Microwave Antenna
Location	[REDACTED]
Altitude (AMSL)	1459.48 ft
Image	Mt Defiance (785).JPG



TTA 5730 BH

Type	Ancillary Box
Location	[REDACTED]
Altitude (AMSL)	1493.67 ft
Model	5730 BH
Image	Mt Defiance (286).JPG



Measurements

Name	Type	3D area/length	Page
Tower Height (No Lightning Rod)	Line	181.82 ft	26
Line	Line	145.24 ft	26
TACN Rx 2 - 89.31°	Line	14.53 ft	27
TACN Tx - 89.49°	Line	14.27 ft	27
TACN Rx 1 - 89.08°	Line	14.17 ft	27

Tower Height (No Lightning Rod)

2D length	17.72 in
3D length	181.82 ft
Min. elevation	1318.18 ft
Max. elevation	1499.67 ft
Elevation difference	181.5 ft
Min. slope	9.91°
Max. slope	89.64°

Description: Tower Height

Line

2D length	2.2 ft
3D length	145.24 ft
Min. elevation	1318.21 ft
Max. elevation	1463.45 ft
Elevation difference	145.24 ft
Slope	89.13°

TACN Rx 2 - 89.31°

2D length	1.97 in
3D length	14.53 ft
Min. elevation	1498.1 ft
Max. elevation	1512.6 ft
Elevation difference	14.5 ft
Slope	89.31°

TACN Tx - 89.49°

2D length	1.57 in
3D length	14.27 ft
Min. elevation	1498.26 ft
Max. elevation	1512.53 ft
Elevation difference	14.27 ft
Slope	89.49°

TACN Rx 1 - 89.08°

2D length	2.76 in
3D length	14.17 ft
Min. elevation	1498.29 ft
Max. elevation	1512.47 ft
Elevation difference	14.17 ft
Slope	89.08°