

From: Thomas Galliford <GallifordT@bethel-ct.gov>

Sent: Monday, November 17, 2025 11:02 AM

To: CSC-DL Siting Council <Siting.Council@ct.gov>

Cc: Bachman, Melanie <Melanie.Bachman@ct.gov>

Subject: notification of microwave install from 2018 for TOWN OF BETHEL, CT

EXTERNAL EMAIL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

I've included the attached info concerning the Town of Bethel Public Safety microwave dish location and installation from 2018 at 38 Spring Hill Lane in Bethel, CT.

There was an issue in August of this year with a vendor who did not know the microwave was in use for Public Safety. We were instructed by Ms. Bachman to send the microwave information to this address to ensure it is filed correctly.

If you need additional information, please don't hesitate to let me know. Please confirm receipt of this email.

Thank you.

--

Thomas Galliford

Fire Marshal IAAI-FIT, NAFI-CFEI

Emergency Management Director AEM®

Town of Bethel, CT

1 School St, Bethel, CT 06801

203-948-2167 Cell

203-794-8518 FM office

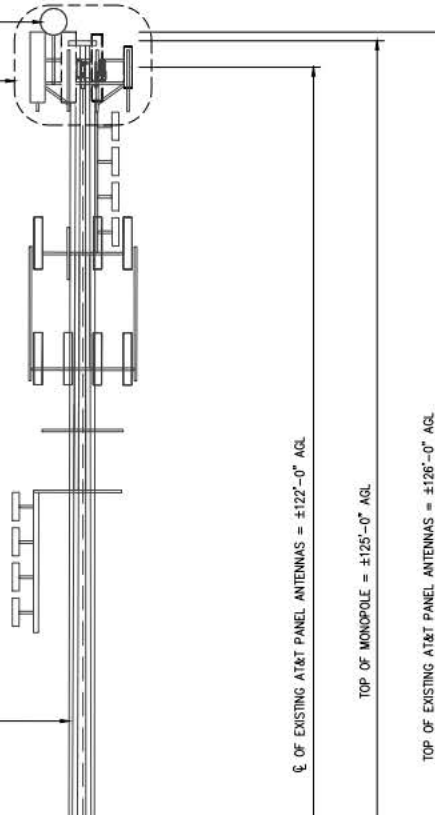
203-778-7518 FM fax

203-794-8522 EOC [Facebook](#) Twitter [@BethelOEM](#)

CONTRACTOR TO CONFIRM
OWNER/STATUS OF EXISTING MW
DISH, REMOVE IF INACTIVE

EXISTING AT&T TOWER MOUNTED
EQUIPMENT, SEE SHEET A04 FOR
ADDITIONAL INFORMATION

EXISTING MONOPOLE



CL OF EXISTING AT&T PANEL ANTENNAS = $\pm 122'-0"$ AGL

TOP OF MONOPOLE = $\pm 125'-0"$ AGL

TOP OF EXISTING AT&T PANEL ANTENNAS = $\pm 126'-0"$ AGL

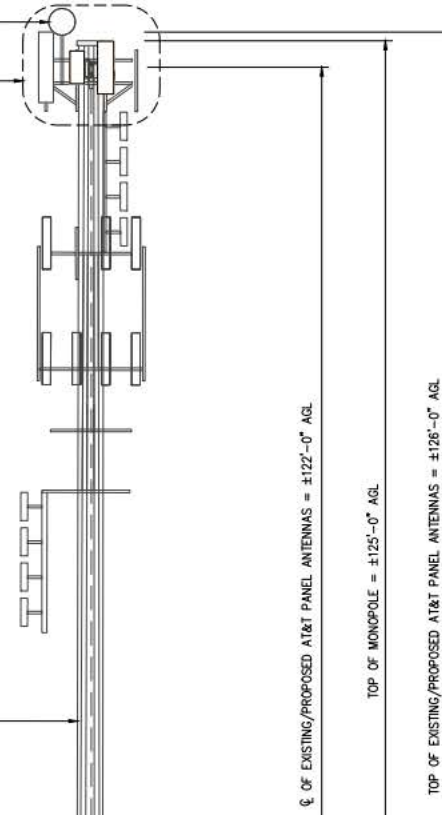
STRUCTURAL NOTE:
STRUCTURAL ANALYSIS NOT COMPLETED AT TIME OF
ISSUANCE OF THESE DRAWINGS. PASSING STRUCTURAL
ANALYSIS REQUIRED PRIOR TO INSTALLATION.

MOUNT ANALYSIS NOTE:
MOUNT ANALYSIS COMPLETED BY AIROSMITH
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WITH THE REPORT, THE MOUNT HAS SUFFICIENT
CAPACITY TO SUPPORT THE PROPOSED LOADING.

CONTRACTOR TO CONFIRM
OWNER/STATUS OF EXISTING MW
DISH, REMOVE IF INACTIVE

PROPOSED AT&T TOWER MOUNTED
EQUIPMENT, SEE SHEET A05 FOR
ADDITIONAL INFORMATION

EXISTING MONOPOLE



CL OF EXISTING/PROPOSED AT&T PANEL ANTENNAS = $\pm 122'-0"$ AGL

TOP OF MONOPOLE = $\pm 125'-0"$ AGL

TOP OF EXISTING/PROPOSED AT&T PANEL ANTENNAS = $\pm 126'-0"$ AGL



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PROFESSIONAL STAMP:



DRAWINGS ISSUED FOR:

REV.	DATE	DRAWN	DESCRIPTION	QA/QC
A	7/3/24	RC	FOR REVIEW	JRF
0	10/02/24	ARW	FOR PERMIT	SKB
1	02/21/25	KPG	PER COMMENTS	SKB
2	03/19/25	KPG	PER COMMENTS	SKB

Project Bethel -Spring Hill LinkADedit LINKPlanner PTP Installation Report

23 July 2018

Brooks Gianakos

Organization: Utility Communications

Phone: 203-287-1306

Email: brooksg@utilitycommunications.com



center = 41:22:10.7N 073:23:45.9W

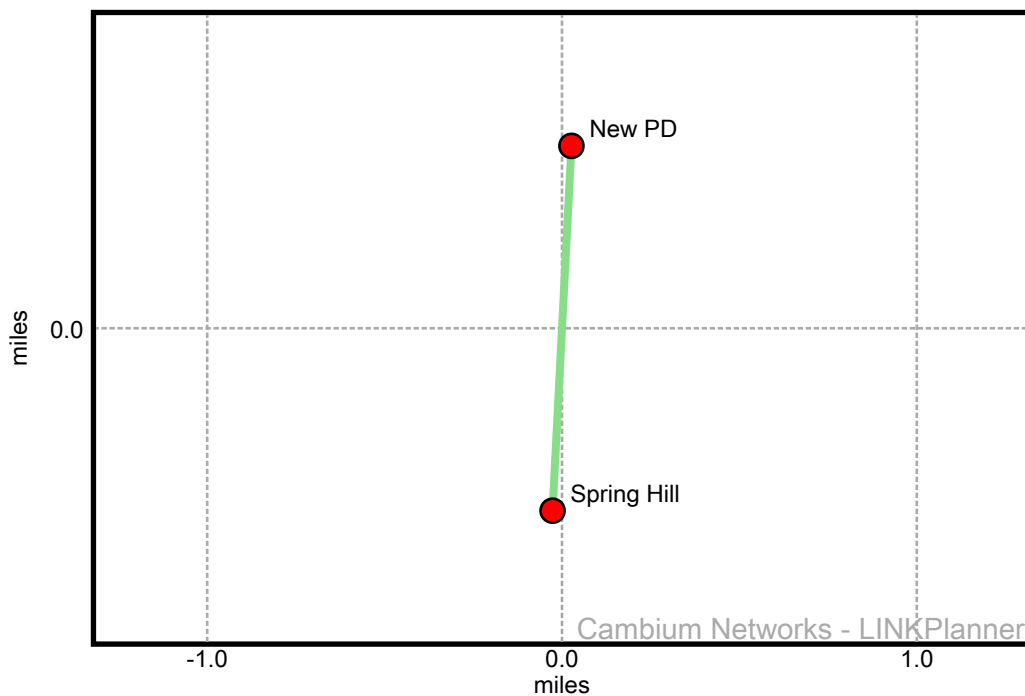


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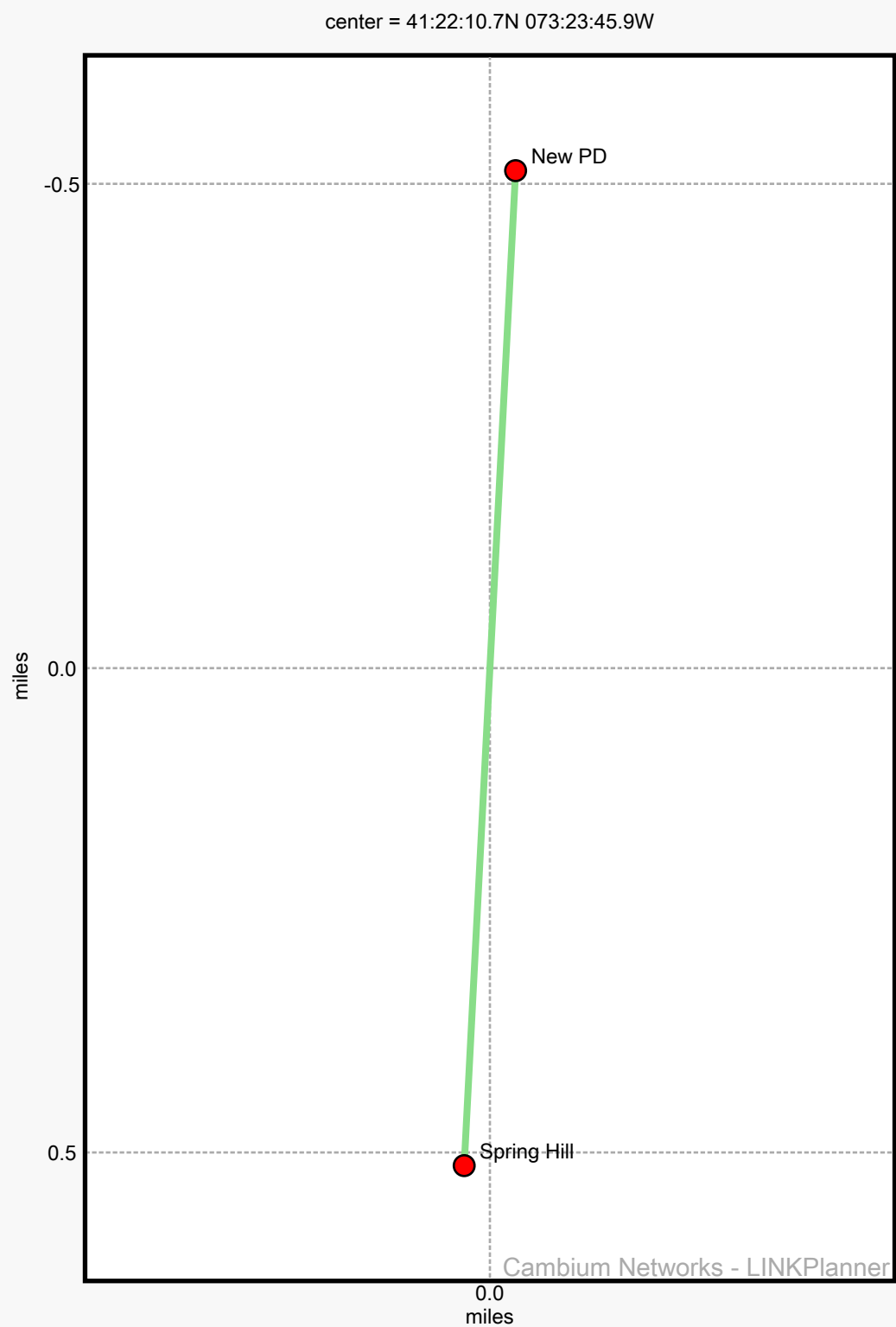
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1. Project Summary

Project: Bethel -Spring Hill LinkADedit

General Information	
Customer Name	
Company Name	
Address	
Phone	
Cell Phone	
Email	

Network Map



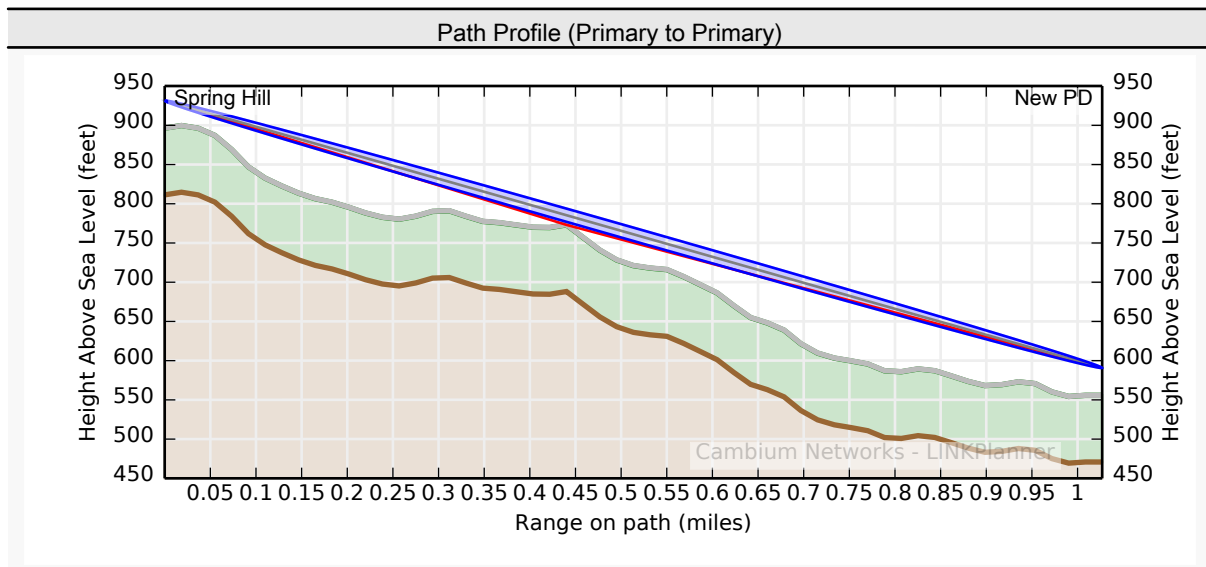


Link name	Product	Primary Local antenna	Primary Remote antenna	Max aggregate IP throughput
Spring Hill to New PD	PTP11820S (Narrow)	Cambium Networks 2ft Single Pol (Global) N110082D072 - Direct	Cambium Networks 2ft Single Pol (Global) N110082D072 - Direct	1053.94 Mbps

Bill of Materials : PTP Network		
Part Number	Qty	Description
C110082B001	2	PTP 820S Radio 11GHz,TR500,Ch1W6,Hi,11185-11485MHz. Stock item, short lead time
C110082B002	2	PTP 820S Radio 11GHz,TR500,Ch1W6,Lo,10695-10955MHz. Stock item, short lead time
EW-E4PT820S-WW	4	PTP820S Extended Warranty, 4 Additional Years
N000082L014	4	PTP 820 Glands_x5_KIT
N000082L016	2	PTP 820 CAT5E Outdoor 100m drum
N000082L017	8	PTP 820 Grounding Kit for CAT5e F/UTP 8mm cable. Add 2 additional kits per PoE Injector that is installed outdoors
N000082L019	1	PTP 820 Outdoor_DC_cbl_2x18AWG_drum. Cable length = 305m
N000082L033	4	PTP 820S Act.Key - Capacity 500M with ACM Enabled, per Tx Chan
N000082L059	4	PTP 820 SFP Optical 1000Base-LX,EXT TEMP
N000082L061	2	PTP 820C MIMO or Prot management cable 1m
N000082L062	4	PTP 820C MIMO or Prot management odu spltr
N000082L065	4	PTP 820 DC Connector
N000082L116	4	PTP 820 GROUND CABLE FOR IDU and ODU
N000082L140	4	PTP 820 Optical CABLE,SM, 50m
N000082L146	4	PTP 820 Fiber 1+1 Splitter, SM
N000082L147	4	PTP 820 Fiber Adapter
N110082D072	2	PTP 820 2' ANT,SP,11GHz,RFU-C TYPE&Std UBR100 - Andrew. Available in all regions
N110082L090	2	PTP 820 RFU-C 10_11GHz Coupler KIT
N110082L093	2	PTP 820 RFU-C 10_11GHz Twist Adaptor KIT

2. Spring Hill to New PD

Summary (Primary to Primary)	
Link Name	Spring Hill to New PD
Profile Type	Line-of-Sight
Equipment Type	PTP11820S (Narrow)
Maximum Obstruction	85 feet
Link Distance	1.027 miles
Free Space Path Loss	117.80 dB
Excess Path Loss	0.00 dB
User IP Throughput Expectation Aggregate	Aggregate 1053.94 Mbps assuming PTP-820 Series running the Release 9.0 software
RF Frequency Band	11 GHz (10700 to 11700 MHz)
RF Channel Bandwidth	80 MHz



Link Configuration	
Link Type	1+1 Hot Standby
T/R Spacing	490 MHz
Bandwidth	80 MHz
Modulation Mode	Adaptive
Maximum Mod Mode	10 - 2048QAM
Minimum Mod Mode	0 - QPSK
Polarization	Vertical
ATPC	Disabled
Header Compression	Disabled
Hi	Spring Hill
Lo	New PD



Bill of Materials		
Part Number	Qty	Description
C110082B001	2	PTP 820S Radio 11GHz,TR500,Ch1W6,Hi,11185-11485MHz. Stock item, short lead time
C110082B002	2	PTP 820S Radio 11GHz,TR500,Ch1W6,Lo,10695-10955MHz. Stock item, short lead time
EW-E4PT820S-WW	4	PTP820S Extended Warranty, 4 Additional Years
N000082L014	4	PTP 820 Glands_x5_KIT
N000082L016	2	PTP 820 CAT5E Outdoor 100m drum
N000082L017	8	PTP 820 Grounding Kit for CAT5e F/UTP 8mm cable. Add 2 additional kits per PoE Injector that is installed outdoors
N000082L019	1	PTP 820 Outdoor_DC_cbl_2x18AWG_drum. Cable length = 305m
N000082L033	4	PTP 820S Act.Key - Capacity 500M with ACM Enabled, per Tx Chan
N000082L059	4	PTP 820 SFP Optical 1000Base-LX,EXT TEMP
N000082L061	2	PTP 820C MIMO or Prot management cable 1m
N000082L062	4	PTP 820C MIMO or Prot management odu spltr
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N110082D072	2	PTP 820 2' ANT,SP,11GHz,RFU-C TYPE&Std UBR100 - Andrew. Available in all regions
N110082L090	2	PTP 820 RFU-C 10_11GHz Coupler KIT
N110082L093	2	PTP 820 RFU-C 10_11GHz Twist Adaptor KIT

Physical Installation Notes for Spring Hill	
Link Name	Spring Hill to New PD
Latitude	41:21:44.0N
Longitude	073:23:47.7W
Site Elevation	811 feet AMSL
Antenna Configuration	Common Antenna - Asymmetric Coupling
Polarization	Vertical
Hardware Platform (Primary)	PTP11820S (Narrow) - C110082B001
Hardware Platform (Secondary)	PTP11820S (Narrow) - C110082B001
Antenna Type	Cambium Networks 2ft Single Pol (Global) N110082D072 - Direct
Antenna Beamwidth	3.3°
Antenna Gain	34.81 dBi
Antenna Height	120.0 feet AGL
Antenna Tilt angle	-3.6° (downtilt)



Physical Installation Notes for Spring Hill (continued)	
Bearing to New PD	2.96° from True North 16.29° from Magnetic North
Magnetic Declination	13.33° W $\pm$ 0.36° changing by 0.04° E per year
RF Feeder Loss (Primary)	1.4 dB
RF Feeder Loss (Secondary)	6.0 dB

Physical Installation Notes for New PD	
Link Name	Spring Hill to New PD
Latitude	41:22:37.5N
Longitude	073:23:44.0W
Site Elevation	471 feet AMSL
Antenna Configuration	Common Antenna - Asymmetric Coupling
Polarization	Vertical
Hardware Platform (Primary)	PTP11820S (Narrow) - C110082B002
Hardware Platform (Secondary)	PTP11820S (Narrow) - C110082B002
Antenna Type	Cambium Networks 2ft Single Pol (Global) N110082D072 - Direct
Antenna Beamwidth	3.3°
Antenna Gain	34.38 dBi
Antenna Height	120.0 feet AGL
Antenna Tilt angle	3.6° (uptilt)
Bearing to Spring Hill	182.96° from True North 196.30° from Magnetic North
Magnetic Declination	13.34° W $\pm$ 0.36° changing by 0.04° E per year
RF Feeder Loss (Primary)	1.4 dB
RF Feeder Loss (Secondary)	6.0 dB

Radio Commissioning Notes for Spring Hill - Primary	
Radio Interface	Radio:Slot 2, port 1
Tx Frequency	11242.750 MHz
Rx Frequency	10752.750 MHz
Tx to Rx Frequency Separation	490.000 MHz
Tx Level	21 dBm
MRMC Script	FCC 1506
MRMC Script Operational Mode	Adaptive
MRMC Script Maximum Profile	10, 2048QAM
MRMC Script Minimum Profile	0, QPSK
Adaptive Tx Power Admin	Enable
ATPC Configuration	Disabled
Header Compression	Disabled
BNC Voltage	1.27 to 1.35 Volts
Predicted Receive Power (Primary to Primary)	-31 dBm $\pm$ 4 dB while aligning



Radio Commissioning Notes for Spring Hill - Secondary	
Radio Interface	Radio:Slot 2, port 1
Tx Frequency	11242.750 MHz
Rx Frequency	10752.750 MHz
Tx to Rx Frequency Separation	490.000 MHz
Tx Level	25 dBm
MRMC Script	FCC 1506
MRMC Script Operational Mode	Adaptive
MRMC Script Maximum Profile	10, 2048QAM
MRMC Script Minimum Profile	0, QPSK
Adaptive Tx Power Admin	Enable
ATPC Configuration	Disabled
Header Compression	Disabled
BNC Voltage	1.31 to 1.39 Volts
Predicted Receive Power (Secondary to Secondary)	-35 dBm $\pm$ 4 dB while aligning

Radio Commissioning Notes for New PD - Primary	
Radio Interface	Radio:Slot 2, port 1
Tx Frequency	10752.750 MHz
Rx Frequency	11242.750 MHz
Tx to Rx Frequency Separation	490.000 MHz
Tx Level	21 dBm
MRMC Script	FCC 1506
MRMC Script Operational Mode	Adaptive
MRMC Script Maximum Profile	10, 2048QAM
MRMC Script Minimum Profile	0, QPSK
Adaptive Tx Power Admin	Enable
ATPC Configuration	Disabled
Header Compression	Disabled
BNC Voltage	1.26 to 1.34 Volts
Predicted Receive Power (Primary to Primary)	-30 dBm $\pm$ 4 dB while aligning

Radio Commissioning Notes for New PD - Secondary	
Radio Interface	Radio:Slot 2, port 1
Tx Frequency	10752.750 MHz
Rx Frequency	11242.750 MHz
Tx to Rx Frequency Separation	490.000 MHz
Tx Level	26 dBm
MRMC Script	FCC 1506
MRMC Script Operational Mode	Adaptive
MRMC Script Maximum Profile	10, 2048QAM
MRMC Script Minimum Profile	0, QPSK
Adaptive Tx Power Admin	Enable
ATPC Configuration	Disabled



Radio Commissioning Notes for New PD - Secondary (continued)	
Header Compression	Disabled
BNC Voltage	1.31 to 1.39 Volts
Predicted Receive Power (Secondary to Secondary)	-35 dBm $\pm$ 4 dB while aligning

Regulatory Conditions	
Regulation	FCC
Band	11 GHz
Max EIRP	54.4 dBm
Output Power	26.0 dBm

Installation Instruction

Perform the following checks during the installation (Check the deployment guide and the User Guide.)

1. Check with a GPS that you are installing at the correct location.
2. Check carefully the direction to the other end of the link. Either use a corrected compass or use the GPS waypoint feature about 300 meters from the installation location.
3. When aligning antennas, it is important to find the centre of the main beam. This is done by adjusting the antenna at each end of the link in turn and monitoring the receive level until the peak is found. Once the peak level is found, it should be checked against the predicted receive power to ensure that the antennas have not been aligned on a side lobe.
4. An hour after alignment is complete, if ATPC is disabled, check that the mean value for the RSL is as predicted (see previous tables). Also check that the received power is not greater than -30dBm with ATPC enabled or disabled.

Spring Hill Performance *				
	Primary to Primary	Primary to Secondary	Secondary to Primary	Secondary to Secondary
Frame Size	1518 Bytes	1518 Bytes	1518 Bytes	1518 Bytes
Mean IP Throughput Predicted	526.97 Mbps	526.97 Mbps	526.97 Mbps	526.97 Mbps
Mean IP Throughput Required	5.00 Mbps	5.00 Mbps	5.00 Mbps	5.00 Mbps
Minimum IP Throughput Required	1.00 Mbps	1.00 Mbps	1.00 Mbps	1.00 Mbps
Minimum IP Throughput Availability Predicted	100.0000% (unavailable for 0 secs/year)	100.0000% (unavailable for 0 secs/year)	100.0000% (unavailable for 0 secs/year)	100.0000% (unavailable for 0 secs/year)

New PD Performance *				
	Primary to Primary	Primary to Secondary	Secondary to Primary	Secondary to Secondary
Frame Size	1518 Bytes	1518 Bytes	1518 Bytes	1518 Bytes
Mean IP Throughput Predicted	526.97 Mbps	526.97 Mbps	526.97 Mbps	526.97 Mbps



New PD Performance * (continued)				
	Primary to Primary	Primary to Secondary	Secondary to Primary	Secondary to Secondary
Mean IP Throughput Required	5.00 Mbps	5.00 Mbps	5.00 Mbps	5.00 Mbps
Minimum IP Throughput Required	1.00 Mbps	1.00 Mbps	1.00 Mbps	1.00 Mbps
Minimum IP Throughput Availability Predicted	100.0000% (unavailable for 0 secs/year)	100.0000% (unavailable for 0 secs/year)	100.0000% (unavailable for 0 secs/year)	100.0000% (unavailable for 0 secs/year)

* Multipath availability calculated using Vigants-Barnett

Mode	Max Aggregate User IP Throughput (Mbps)	Max User IP Throughput in Either Direction (Mbps)	Spring Hill - Primary			New PD - Primary		
			Fade Margin (dB)	IP Throughput Availability (%) *	Receive time in Mode (%)	Fade Margin (dB)	IP Throughput Availability (%) *	Receive time in Mode (%)
10	1053.94	526.97	19.38	100.0000	100.0000	20.24	100.0000	100.0000
9	972.59	486.30	21.88	100.0000	0.0000	22.74	100.0000	0.0000
8	915.44	457.72	22.88	100.0000	0.0000	23.74	100.0000	0.0000
7	841.90	420.95	26.38	100.0000	0.0000	27.24	100.0000	0.0000
6	782.73	391.37	28.38	100.0000	0.0000	29.24	100.0000	0.0000
5	678.37	339.18	31.88	100.0000	0.0000	32.74	100.0000	0.0000
4	561.16	280.58	34.38	100.0000	0.0000	35.24	100.0000	0.0000
3	456.99	228.50	37.88	100.0000	0.0000	38.74	100.0000	0.0000
2	347.28	173.64	41.38	100.0000	0.0000	42.24	100.0000	0.0000
1	250.06	125.03	43.88	100.0000	0.0000	44.74	100.0000	0.0000
0	171.48	85.74	52.63	100.0000	0.0000	53.49	100.0000	0.0000

Mode	Max Aggregate User IP Throughput (Mbps)	Max User IP Throughput in Either Direction (Mbps)	Spring Hill - Primary			New PD - Secondary		
			Fade Margin (dB)	IP Throughput Availability (%) *	Receive time in Mode (%)	Fade Margin (dB)	IP Throughput Availability (%) *	Receive time in Mode (%)
10	1053.94	526.97	14.78	100.0000	100.0000	15.64	100.0000	100.0000
9	972.59	486.30	19.28	100.0000	0.0000	18.14	100.0000	0.0000
8	915.44	457.72	20.28	100.0000	0.0000	19.14	100.0000	0.0000
7	841.90	420.95	24.78	100.0000	0.0000	22.64	100.0000	0.0000
6	782.73	391.37	27.78	100.0000	0.0000	24.64	100.0000	0.0000
5	678.37	339.18	31.28	100.0000	0.0000	28.14	100.0000	0.0000
4	561.16	280.58	33.78	100.0000	0.0000	30.64	100.0000	0.0000
3	456.99	228.50	37.28	100.0000	0.0000	34.14	100.0000	0.0000
2	347.28	173.64	41.78	100.0000	0.0000	37.64	100.0000	0.0000
1	250.06	125.03	44.28	100.0000	0.0000	40.14	100.0000	0.0000



(continued)

Mode	Max Aggregate User IP Throughput (Mbps)	Max User IP Throughput in Either Direction (Mbps)	Spring Hill - Primary			New PD - Secondary		
			Fade Margin (dB)	IP Throughput Availability (%) *	Receive time in Mode (%)	Fade Margin (dB)	IP Throughput Availability (%) *	Receive time in Mode (%)
0	171.48	85.74	53.03	100.0000	0.0000	48.89	100.0000	0.0000

Mode	Max Aggregate User IP Throughput (Mbps)	Max User IP Throughput in Either Direction (Mbps)	Spring Hill - Secondary			New PD - Primary		
			Fade Margin (dB)	IP Throughput Availability (%) *	Receive time in Mode (%)	Fade Margin (dB)	IP Throughput Availability (%) *	Receive time in Mode (%)
10	1053.94	526.97	14.78	100.0000	100.0000	15.64	100.0000	100.0000
9	972.59	486.30	17.28	100.0000	0.0000	20.14	100.0000	0.0000
8	915.44	457.72	18.28	100.0000	0.0000	21.14	100.0000	0.0000
7	841.90	420.95	21.78	100.0000	0.0000	25.64	100.0000	0.0000
6	782.73	391.37	23.78	100.0000	0.0000	28.64	100.0000	0.0000
5	678.37	339.18	27.28	100.0000	0.0000	32.14	100.0000	0.0000
4	561.16	280.58	29.78	100.0000	0.0000	34.64	100.0000	0.0000
3	456.99	228.50	33.28	100.0000	0.0000	38.14	100.0000	0.0000
2	347.28	173.64	36.78	100.0000	0.0000	41.64	100.0000	0.0000
1	250.06	125.03	39.28	100.0000	0.0000	44.14	100.0000	0.0000
0	171.48	85.74	48.03	100.0000	0.0000	52.89	100.0000	0.0000

Mode	Max Aggregate User IP Throughput (Mbps)	Max User IP Throughput in Either Direction (Mbps)	Spring Hill - Secondary			New PD - Secondary		
			Fade Margin (dB)	IP Throughput Availability (%) *	Receive time in Mode (%)	Fade Margin (dB)	IP Throughput Availability (%) *	Receive time in Mode (%)
10	1053.94	526.97	10.18	100.0000	100.0000	11.04	100.0000	100.0000
9	972.59	486.30	14.68	100.0000	0.0000	15.54	100.0000	0.0000
8	915.44	457.72	15.68	100.0000	0.0000	16.54	100.0000	0.0000
7	841.90	420.95	20.18	100.0000	0.0000	21.04	100.0000	0.0000
6	782.73	391.37	23.18	100.0000	0.0000	24.04	100.0000	0.0000
5	678.37	339.18	26.68	100.0000	0.0000	27.54	100.0000	0.0000
4	561.16	280.58	29.18	100.0000	0.0000	30.04	100.0000	0.0000
3	456.99	228.50	32.68	100.0000	0.0000	33.54	100.0000	0.0000
2	347.28	173.64	37.18	100.0000	0.0000	37.04	100.0000	0.0000
1	250.06	125.03	39.68	100.0000	0.0000	39.54	100.0000	0.0000
0	171.48	85.74	48.43	100.0000	0.0000	48.29	100.0000	0.0000

* Multipath availability calculated using Vigants-Barnett

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Federal Communications Commission

Public Safety and Homeland Security Bureau

RADIO STATION AUTHORIZATION

LICENSEE: Bethel CT Police Department

ATTN: STEPHEN PUGNER
BETHEL CT POLICE DEPARTMENT
49 PLUM TREES ROAD
BETHEL, CT 06801

Call Sign WRAP322	
File Number 0008043471	
Radio Service MW - Microwave Public Safety Pool	
SMSA	Station Class FXO

FCC Registration Number (FRN): 0007445745

Grant Date 01-22-2018	Effective Date 01-22-2018	Expiration Date 01-22-2028	Print Date 01-23-2018
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LOCATION

Fixed Location Address or Area of Operation:

12 Judd Avenue

City: Bethel County: FAIRFIELD State: CT

Loc No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
001	NEW PD	41-22-37.5 N	073-23-44.0 W	143.5	
002	SPRING HILL	41-21-44.0 N	073-23-47.7 W	247.3	

FREQUENCY PATHS

Frequency (MHz)	Tol (%)	Emission Design	EIRP (dBm)	Constr Date	Path No	Seg	Emit Loc No	Ant Hgt (m)	Gain (dBi)	Beam Reflector Ht(m)xWd(m)	POL	AZIM (deg)	Rec Loc No	Rec Call Sign
11405.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	35.0	34.7	3.3	V	183.0	002	
11405.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	35.0	34.7	3.3	V	183.0	002	
11405.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	35.0	34.7	3.3	V	183.0	002	
11405.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	35.0	34.7	3.3	V	183.0	002	
11405.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	35.0	34.7	3.3	V	183.0	002	
11405.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	35.0	34.7	3.3	V	183.0	002	
11405.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	35.0	34.7	3.3	V	183.0	002	

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

Licensee Name: BETHEL CT POLICE DEPARTMENT

Call Sign: WRAP322

File Number: 0008043471

Print Date: 01-23-2018

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No	Seg	Emit Loc No	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No	Rec Call Sign
Reflector Ht(m)xWd(m)														
11405.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	35.0	34.7	3.3	V	183.0	002	
11405.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	35.0	34.7	3.3	V	183.0	002	
11405.0	0.00100	60M0G7W	54.300	07-22-2019	001	1	001	35.0	34.7	3.3	V	183.0	002	
11405.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	35.0	34.7	3.3	V	183.0	002	

Waivers/Conditions:

NONE

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission

Public Safety and Homeland Security Bureau

RADIO STATION AUTHORIZATION

LICENSEE: Bethel CT Police Department

ATTN: STEPHEN PUGNER
BETHEL CT POLICE DEPARTMENT
49 PLUM TREES ROAD
BETHEL, CT 06801

Call Sign WRAP323	
File Number 0008043472	
Radio Service MW - Microwave Public Safety Pool	
SMSA	Station Class FXO

FCC Registration Number (FRN): 0007445745

Grant Date 01-22-2018	Effective Date 01-22-2018	Expiration Date 01-22-2028	Print Date 01-23-2018
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LOCATION

Fixed Location Address or Area of Operation:

Spring Hill Lane

City: Bethel County: FAIRFIELD State: CT

Loc No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
001	SPRING HILL	41-21-44.0 N	073-23-47.7 W	247.3	
002	NEW PD	41-22-37.5 N	073-23-44.0 W	143.5	

FREQUENCY PATHS

Frequency (MHz)	Tol (%)	Emission Design	EIRP (dBm)	Constr Date	Path No	Seg	Emit Loc No	Ant Hgt (m)	Gain (dBi)	Beam Reflector Ht(m)xWd(m)	POL	AZIM (deg)	Rec Loc No	Rec Call Sign
10915.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	36.6	34.7	3.3	V	3.0	002	
10915.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	36.6	34.7	3.3	V	3.0	002	
10915.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	36.6	34.7	3.3	V	3.0	002	
10915.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	36.6	34.7	3.3	V	3.0	002	
10915.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	36.6	34.7	3.3	V	3.0	002	
10915.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	36.6	34.7	3.3	V	3.0	002	
10915.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	36.6	34.7	3.3	V	3.0	002	

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

Licensee Name: BETHEL CT POLICE DEPARTMENT

Call Sign: WRAP323

File Number: 0008043472

Print Date: 01-23-2018

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No	Seg	Emit Loc No	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No	Rec Call Sign
Reflector Ht(m)xWd(m)														
10915.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	36.6	34.7	3.3	V	3.0	002	
10915.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	36.6	34.7	3.3	V	3.0	002	
10915.0	0.00100	60M0D7W	54.300	07-22-2019	001	1	001	36.6	34.7	3.3	V	3.0	002	
10915.0	0.00100	60M0G7W	54.300	07-22-2019	001	1	001	36.6	34.7	3.3	V	3.0	002	

Waivers/Conditions:

NONE