



Supplemental Showing Part 101.103 (d)

File Number: CMS1428

11GHz

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PCN Date: 11/04/2015

Licensee: KanOkla Communications, Inc

Pursuant to Section 101.103(d) of the FCC rules and regulations, a frequency coordination study was conducted by Intelpath for the proposed paths:

Link 1: St Marks – Garden Plain, KS

The results of the study indicate that no unacceptable interference will result with existing, proposed, or prior coordinated radio facilities.

Coordination was performed with existing, proposed, and prior coordinated carriers within coordination range on the following dates:

11/04/2015 Original PCN
 There were no unresolved interference objections.

The attached coordination data was forwarded to major frequency coordinators and the following parties within coordination range or their authorized coordination agents:

Panhandle Eastern Pipe Line Company, LP
KAMO ELECTRIC COOPERATIVE INC
KANSAS CITY, CITY OF
KANSAS, STATE OF
Westar Energy, Inc.
KCP&L Greater Missouri Operations Company
Cox Communications Kansas, LLC
Nex-Tech Telephone
Pixius Communications, LLC

AMA Communications, LLC
USD #373, NEWTON PUBLIC SCHOOLS
KANSAS, STATE OF, KANSAS DEPARTMENT OF TRANSPORTATION
KANSAS STATE OF, KANSAS DEPARTMENT OF TRANSPORTATION
Haviland Telephone Company, Inc.
City of Wichita, Kansas
Nex-Tech, Inc.
Advance Food Company, Inc.
Advance Food Company Inc.
KAMO Electric Cooperative, Inc.
KAMO Electric Cooperative, Inc
AT&T Mobility Spectrum LLC
Mercury Wireless, LLC
Wireless Automation Group
Topeka SMSA Limited Partnership
Computers & Tele-Comm, Inc. (CTC)
Network Tool & Die Company, Inc.
NE Colorado Cellular, Inc.
Transworld Network Corp
Infrastructure Networks, Inc.
Stutler Technologies, Corp.
Platte, County of
KanOkla Communications, Inc.
Pioneer Long Distance, Inc.
DEVON ENERGY
Wave Wireless, LLC
City of Chanute
Devon Energy Corp
FiberLight LLC
Kansas Broadband
City of Enid
City of Enid Tech Services
SCECC - Shawnee County Emergency Communications Center
Kansas Public Telecommunications Service Inc.
Douglas, County of(Kansas)
Douglas, County of (Kansas)
Nex-Tech Wireless, LLC
Butler County, KS
Nex-Tech Inc.
EnerVest Operating, L.L.C.

December 1, 2015

Midwest Mobile Radio Service, Inc.
Mid America Regional Council
South Central Wireless, Inc.
Harvey County Communications (9-1-1)
Professional Value Internet Services, Inc.
Professional Value Internet Services, Inc

Sincerely,

Wireless Engineer

Attached: 1 data sheet

Adaptive Modulation Prior Coordination Notice

One or more paths in this Prior Coordination Notice (PCN) use microwave radios with Adaptive Modulation. The links are configured to perform at maximum modulation, 1024 QAM. If the link is lost the radios will shift down in modulation and speed based on the setting set by users. The table below identifies the various modes in which the microwave path will operated.

The paths maintain a reliability of 99.95% or greater and operate in compliance with capacity and loading requirements for all but less than 4.38 hours a year.

Model	Emission Designator	Modulation	Capacity (Mbps)	Stability	Coordinated Power (dBm)
PTP11820S	73M0D1D	1024 QAM	605.25	0.0005	23
PTP11820S	73M0D1D	512 QAM	556.93	0.0005	24
PTP11820S	73M0D1D	256 QAM	507.71	0.0005	25
PTP11820S	73M0D1D	128 QAM	440.90	0.0005	25
PTP11820S	73M0D1D	64 QAM	373.24	0.0005	25
PTP11820S	73M0D1D	32 QAM	304.93	0.0005	25
PTP11820S	73M0D1D	16 QAM	232.34	0.0005	26
PTP11820S	73M0D1D	8 PSK	162.99	0.0005	27
PTP11820S	73M0D1D	QPSK	114.95	0.0005	27

PCN JOB CODE: CMS1428

Site Name / State	St. Marks / KS	Garden Plain / KS
Call Sign / County	/ Sedgwick	WQVL607/ Sedgwick
City	Colwich	Garden Plain
Latitude N (NAD83)	37 43 46.0	37 39 23.2
Longitude W (NAD83)	097 34 16.2	097 41 10.4
Azimuth (degrees)	231.31	51.24
Distance (km/mi)	12.96 /	12.96 /
Space Loss (db)	135.5	135.5
Elevation (ft/m)	/ 442.0	/ 445.2
ASR	1224360	
Transmit-Receive Ant Type	N110082D072A	N110082D072A
FCC Designation		
Antenna Manufacturer	Cambium Networks	Cambium Networks
Gain / Beamwidth	34.5 / 3.3	34.5 / 3.3
Antenna Height (ft/m)	/ 74.6	/ 30.4
Tilt	-0.1	0.0
Equipment Manufacturer	Cambium Networks	Cambium Networks
Manufacturer's Type	PTP11820S	PTP11820S
FCC Identifier		
Emission/Stability %	73M0D1D/0.0005	73M0D1D/0.0005
ATPC / Trigger Level (dbm)	No /	No /
Tx Power (dbm) / Max Tx Power (dbm)	23.0 / 27.0	23.0 / 27.0
Fixed Losses (Tx/Rx)	0 / 0	0 / 0
Rcv Level (dbm)	-44.4	-44.4
EIRP (dbm) / Max EIRP (dbm)	57.5 / 61.5	57.5 / 61.5
Traffic (kbps/vc)	605250 /	605250 /
Modulation / Lvl	1024 QAM	1024 QAM
Frequencies Transmitted (MHz)	10835V	11325V