



SUPPLEMENTAL SHOWING PART 101.103(d)

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POINT-TO-POINT MICROWAVE SERVICE  
\*\*\*\*\* EXPEDITED PCN \*\*\*\*\*

FREQUENCY COORDINATION DATE(S): 11/07/2013 (EXPEDITED)  
FREQUENCY COORDINATION NUMBER: 14068RDI13  
OWNER NAME: BIG RIVER BROADBAND, LLC

PROPOSED PATH(S): Farmington BRB Ofc, MO - STFM012 WT-1, MO 18 GHz

Pursuant to Part 101.103(d) (1) of the FCC Rules And Regulations, a frequency coordination study and notification of the system proposed in this application was conducted by RADYN, INC. on behalf of the owner name referenced above.

A EXPEDITED Prior Coordination Notice (PCN) containing technical details of this application was generated on the most recent Frequency Coordination Date referenced above. This PCN was transmitted on these dates to the following licensees, permittees, and applicants with the coordinated proposals which are within 125 miles of the locations in the application:

- BIG RIVER BROADBAND, LLC
- CLEARWIRE SPECTRUM HOLDINGS III LLC
- COMSEARCH, INCORPORATED
- CONSOLIDATED SPECTRUM SERVICES
- MICRONET, INC.
- NEW CINGULAR WIRELESS PCS, LLC
- SPRINT SPECTRUM, LP
- T-MOBILE LICENSE LLC

The results of the study and frequency coordination indicate that no unacceptable direct interference will result with licensees, permittees, and applicants with coordinated proposals which are within 125 miles of the locations in this application.

RADYN, INC.

*Thu Nguyen*

SPECTRUM ANALYST



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STATION NAME, STATE	Farmington BRB Ofc, MO	STFM012 WT-1, MO
COUNTY	ST. FRANCOIS	ST. FRANCOIS
CALL SIGN		
ASR NUMBER		
LATITUDE (NAD83)	37-46-46.00N	37-46-36.20N
LONGITUDE (NAD83)	90-25-20.00W	90-25-41.70W
GROUND ELEV (AMSL)	915 ft/279.0 m	961 ft/293.0 m
AZIMUTH TO RX	240.36 deg	60.36 deg
DISTANCE TO RX	0.380 miles/0.611 Km	0.380 miles/0.611 Km
FREE-SPACE LOSS	113.6 dB	113.6 dB
TX/RX ANTENNA		
MANUFACTURER	ANDREW CORPORATION	ANDREW CORPORATION
MODEL NUMBER	VHLP2-18B	VHLP2-18B
DIAMETER	2.0 ft/0.6 m	2.0 ft/0.6 m
BEAMWIDTH	2.1 deg	2.1 deg
GAIN	38.9 dBi	38.9 dBi
CENTER LINE (AGL)	20 ft/6.1 m	100 ft/30.5 m
TILT ANGLE	3.59 deg	-3.59 deg
TX/RX LOSS	0.0 dB	0.0 dB
SIDE A/B RADIO EQUIPMENT		
MANUFACTURER		CERAGON NETWORKS
MODEL NUMBER		FibeAir-IP-20C
EMISSION DESIGNATOR		60M0D7W
MODULATION TYPE		256QAM
MODULATION RATE (kbps)		394000
STABILITY (%)		0.0004
POWER		
COORD TX PWR/RSL (dBm)	10.0/-25.8	10.0/-25.8
ATTENUATOR (dB)	0.0	0.0
EIRP (dBm)	48.9	48.9
TRANSMIT FREQUENCIES	19620.000V MHz	18060.000V MHz



Owner	BIG RIVER BROADBAND, LLC	Frequency Coordination Number	14068RDI13
		Frequency Coordination Date	11/07/2013
Farmington BRB Ofc, MO (1) - STFM012 WT-1, MO (2) 19620V 18060V			