Data Format for Fixed Wireless Towers

Please submit your data using the corresponding '*Fixed Wireless Tower Workbook'*.

DATA FIELDS:

Field	Description	Type	Example
DBA Name	Doing Business As (DBA) Name of your company. In other words, the name of the entity customers could contact to purchase service.	Text	AAA Company
FRN	Provider FCC Registration Number – search here (*ONLY numbers no other characters*)	Text	0008402202
Technology of Transmission (*Tech Code*)	Category of technology for the provision of Internet access service used by the portion of the connection that would terminate at the end-user location (premises). Enter '70' for Fixed Wireless technology (see Technology of Transmission Codes)	Text	70
Name Of Parent Site	Primary Population Center Covered by Service: Name of city, county.	Text	Sutter Creek, Amador
Id	Unique numerical identifier for each tower/sector combination.	Text	10030002
Latitude	Latitude of the transmitter in <u>decimal degrees</u>. Give at least 6 decimal points to ensure accuracy. *(Value must be within 32 to 42)*	Double	37.750105
Longitude	Longitude of the transmitter in decimal degrees. Give at least 6 decimal points to ensure accuracy. *(value must be within -114 to -124)*	Double	-122.680105
TransLoc	Type of structure where transmitter is located (i.e. tower, rooftop, utility pole, etc.).	Text	Tower
Frequency	The transmitter's frequency in MHz for example 5800.	Text	5800
Propagation Model Name	Enter Global Group Model 1 for frequencies > 900 or Global Group Model 4 for frequencies 900 and under.	Text	Global Group Model 1
Transmit Antenna Gain	Base station antenna gain in dBi.	Double	15
Transmit Antenna Height	Height of base station antenna above ground in feet.	Text	150
Transmit Antenna Pattern Filename	Leave Blank		
Transmit Antenna Type	Antenna/transmitter pattern (*see Wireless Antenna Types)*	Text	6 dB Omni antenna
Transmit Transmitter Use Antenna Type	Leave blank unless there is a pattern file name that should be included for our propagation. EDX uses .pat files.	Text	
AntSecType	Type of sector antenna used. Enter 360 for an Omni antenna; others 60, 90, 120, 180, etc.	Text	360
Transmit Azimuth Orientation	Transmitter azimuth orientation: Azimuth of sectorized antenna (compass orientation of the antenna center in degrees).	Text	206

Field	Description	Type	Example
Transmit Beam Tilt	The tilt angle the antenna/ transmitter is pointing. 90 degrees is straight up, 0 degrees is horizontal and negative 90 degrees is straight down. Angle does not apply to Omni antennas.	Text	-5
Transmit Max Transmitter Power Per Channel	Maximum transmitter power per channel in dBm.	Text	26
EquipType	Transmit radio manufacturer.	Text	Tranzeo TR6600
Receive Antenna Height	Average customer antenna height in ft. above ground (i.e. 15 ft. for rooftop, 30 ft. for treetop, etc.).	Text	15
Receive Antenna Gain	Customer antenna gain in Dbi (average gain for all customers).	Text	8
CustAntSensitivity	Customer antenna signal level display threshold in dBmW.	Text	-87
Study Sector Study Radius	Transmitter cell radius in miles.	Text	10
MaxAdDn	Maximum advertised downstream speed available in Mbps. You can enter up to 3 places after the decimal (768 kbps would be entered as 0.768). Note: Value must be equal or greater than MaxAdvUp speed.	Float	25
MaxAdUp	Maximum advertised upstream speed that is offered with the above maximum advertised downstream speed available.	Float	3

Wireless Antenna Types
(use in Transmit Antenna Type field)

Parabolic dish antenna
Standard BWA subscriber antenna
6 dB Omni antenna
180 degree cardioid antenna
90 degree sector antenna
70 degree sector antenna
Cambium PMP430 X-POL antenna

Technology of Transmission Codes
(use in TechCode field)

Code	Description
10	Asymmetric xDSL
11	ADSL 2, ADSL 2+
12	VDSL
20	Symmetric xDSL
30	Other Copper Wireline
40	Cable Modem other than DOCSIS 1, 1.1, 2.0 or 3.0
41	Cable Modem – DOCSIS 1, 1.1, or 2.0
42	Cable Modem – DOCSIS 3.0
50	Optical Carrier/Fiber to the End User
70	Terrestrial Fixed Wireless
90	Electric Power Line
0	All Other

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