

STA /EXPERIMENTAL LICNESE INFORMATION

Type of Service Requested:

☒ New Experimental License (X) 2yr or () 5yr –requires special justification

☐ New Special Temporary Authority (STA, 6month)

☐ Modify/Extend existing Experimental License

Call letters or file number: _____

Full Company Name:

Earthlink, Inc.

FRN of Company or Contact: *Gregory E. Ofili*

Company Federal Tax ID or EIN (U.S. based companies):

EIN: 58-251-11877

Full Contact Name:	<i>Gregory E. Ofili</i>
Contact Mailing Address:	<i>Earthlink 1375 Peachtree St. Atlanta, GA 30309</i>
Contact Telephone Number:	<i>404-849-4155</i>
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Contact email address	<i>ofiligr@corp.earthlink.net</i>

Reason for the Experimental License

Description of Experiment or Research (detailed) –

Desire to experiment Airspan WiMAX product functionality in this spectrum

Specific Objectives to be covered (detailed) –

Objectives to take measurements on Up Link, Down Link, Throughput, features and functionality, Range (Km), Capacity, Performance, Backup and restore process, TX and RX power, Fading, Signal to noise ratio and other parameters.

List of attached documents, if any

- RF Planning Parameters for 3.6 to 3.7 GHz TDD



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Will confidentiality be requested per section 0.459 of FCC Rules for any attached document, transmitting equipment, or other company sensitive equipment? If yes, please describe and provide justification

STA Information

Event Name	
STA Start / End Dates : (including setup/test)	

Transmitter Equipment and Station Details

Base Station Equipment Mfr and P/N:	Airspan Networks MIC-SDR-STD1
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Number of Fixed Units:				
Location of Fixed Antennas 33 – 47-31.72N 84-23-7.84W				1) One (1) HiperMAX Micro Base Station
				2)
				3)
<u>NAD 27</u>	XX	<u>NAD 83</u>		Etc)

() Mobile or (X) Fixed Subscriber Station Equipment Mfr and P/N:	Fixed Subscriber – Airspan Networks		
	EST360T-INT-4-US		
	PST360T-17V-1		

Number of Mobile Units	Fixed subscriber units
Radius of Mobile or Subscriber Unit location from Fixed station(s) (specify km)	1) 15 Km
	2)
	3)
	Etc)

Base Station TX Parameters

Station Number	LOW (MHz)	HIGH(MHz)	% Tolerance
1) HiperMAX Micro	3602.500	3697.500	+/- 8 PPM
2)			
3)			
Etc)			

Station Antenna Details	Type (e.g, monopole, yagi, etc.)	Gain (dB)	Beam Width (H)	Beam Width (V)	HAAT (meters)
1) SCRT	Dual panel type antenna	17.5dB		60 (Az) X 8 (El)	50
2)					
3)					
Etc)					

Station Number	Modulation	Emission Designator	Bandwidth (MHz)	Power Out dBm
1) HiperMAX Micro	64QAM 3/4	3M50W1D	3.5 MHz	35dBm
2)				
3)				
Etc)				

Mobile/Fixed CPE Station TX Parameters

Station Number	LOW (MHz)	HIGH(MHz)	% Tolerance
1) Easy ST	3602.500	3697.500	+/- 8 PPM
2) ProST	3602.500	3697.500	+/- 8 PPM
3)			
Etc)			

Station Antenna Details	Type (e.g, monopole, yagi, etc.)	Gain (dB)	Beam Width (H)	Beam Width (V)	HAAT (meters)
1) ProST	Flat Panel directional antenna	17 dBi		3 dB X 30 EI	10 m
2) EasyST	Omni Directional	7 dBi		4X90	5 m
3)					
Etc)					

Station Number	Modulation	Emission Designator	Bandwidth (MHz)	Power Out dBm
1)	BPSK- 64QAM		3.5 MHz	24dBm
2)	BPSK – 64QAM		3,5 MHz	27dBm
3)				
Etc)				