

Mr. Kennedy,

Thanks for your assistance with our experimental license request. The answers to each question are interleaved below.

Mr. William Butler,

Please complete each of the following questions for the television channel you are intending to use:

1. Television channel number.

The channel numbers corresponding to the requested frequencies are 64 for base and 69 for mobile. (Actual base station frequency is 771.2500 MHz and the mobile frequency is 801.2500 MHz.) Incidentally WZDC-LP switched from channel 64 to channel 25 at the beginning of this month (Mar 07) and have confirmed to us in writing that they are finished with channel 64.

2. Antenna location site elevation above mean sea level in meters.

We are requesting this license cover 12 fixed base stations (and multiple mobile devices). Here are the antenna location site elevations AMSL in meters.

L1 = 9	L7 = 49
L2 = 32	L8 = 71
L3 = 54	L9 = 90
L4 = 51	L10 = 21
L5 = 88	L11 = 6
L6 = 48	L12 = 12

3. Overall tower height above ground level in meters.

Here are the tower / building heights AGL in meters.

L1 = 43.6	L7 = 32.2
L2 = 42.4	L8 = 27.7
L3 = 41.9	L9 = 33.8
L4 = 18.1	L10 = 42.1
L5 = 76.2*	L11 = 42.1
L6 = 45.7*	L12 = 213.1*

* Tower mounted – remaining sites are all building mounted

4. Height of radiation center above ground level in meters.

Here are the radiation center heights AGL in meters.

L1 = 42.4	L7 = 31
L2 = 41.2	L8 = 26.2
L3 = 31.1	L9 = 32.6

L4 = 16.8
L5 = 42.7
L6 = 27.5

L10 = 40.9
L11 = 39.9
L12 = 39.6

5. Maximum effective radiated power in kilowatts.

.5261 kW (all base stations at all locations)

6. Transmitter output power in kilowatts.

0.02 kW (all base stations at all locations)

7. Verify that the antenna is nondirectional. If the antenna is directional, report the relative field values starting at 0 through 350 every 10 degrees.

The base station antennas ARE directional. The relative field values are shown in the attached *LR 65 Antenna Radiation Pattern* diagram.

8. If the emissions are digital, then report the out-of-band emission mask (simple or stringent)

The emissions ARE digital.

FCC 47 Code of Federal Regulations (CFR) Part 90 does not specify out-of-band emission rules for broadband channels. The current 47 CFR Part 90.543 emission limits defined for a channel bandwidth of 6.25 - 150 kHz are not applicable to broadband channels. However CDMA EVDO for *commercial* service has a requirement for an emissions mask. The maximum allowable emissions at the edge of the channel block will not exceed 70 dBc / 30 kHz.

9. If the emissions are analog, then report the frequency offset (zero, plus, minus or none).

The emissions are NOT analog.

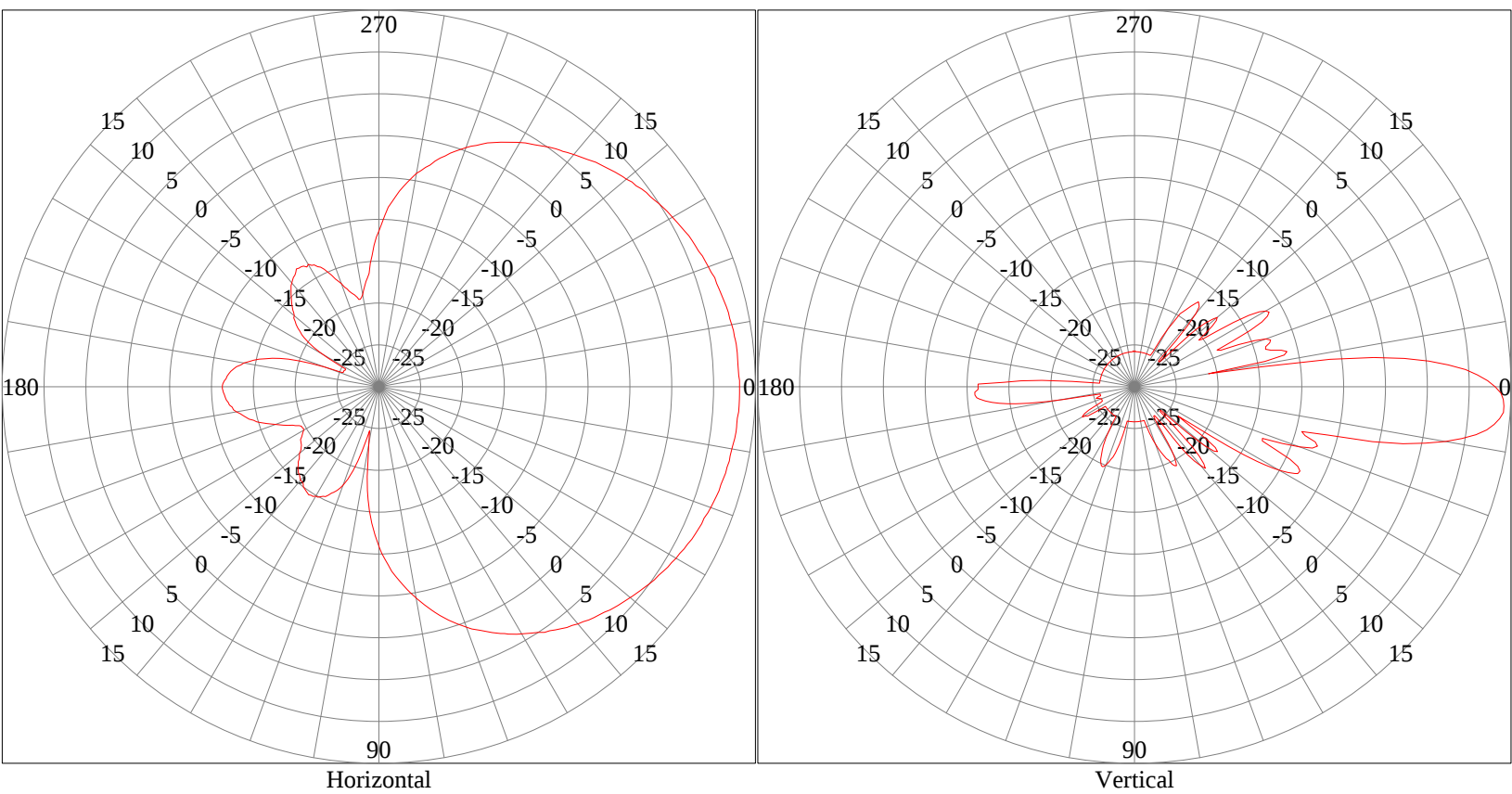
Confirmation Number: EL#####
John.Kennedy@fcc.gov

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The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of 03/14/2007 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

DO NOT Reply to this email by using the 'Reply' button. In order for your response to be processed expeditiously, you must upload your response via the Internet at <https://gullfoss2.fcc.gov/prod/oet/cf/els/index.cfm> by clicking on the 'Reply to Correspondence' hyperlink.

All references to this correspondence must contain reference number 4813



Manufacturer:	EMS Wireless		
Model:	LR65-14-03_A2		
Description:	USS and LSS 14.2 dBd Slant 45 Polarized Array		
File Name:	lr651403_a2.apf		
Length:	8.00		
Minimum Gain:	-25.80	Maximum Gain:	14.20
Mechanical Tilt:	0	Beam width (H, V):	65, 9
Horizontal Elevation:	0	Vertical Azimuth:	0