

John Kennedy

From: DeSoto, Kurt [KDeSoto@wrf.com]
Sent: Tuesday, April 25, 2006 10:36 AM
To: John Kennedy
Subject: FCC File # 0261-EX-ST-2006 [Reference Number: 4303]
Mr. Kennedy,

This is to respond to the email inquiry (copied below) regarding the above-referenced STA request. We will also upload the response via ELS as directed in the email. Specifically, we have copied the questions in this response and then provide the answers (**IN RED, BOLDED CAPS**) following each question.

1. Channel number.

CHANNEL 16 (482-488 MHz);

CHANNEL 17 (488-494 MHz); AND

CHANNEL 23 (524-530 MHz).

MOTOROLA PROPOSES TO USE ONLY ONE CHANNEL, BUT IS SEEKING AUTHORITY FOR THREE CHANNELS SO THAT IT HAS THE FLEXIBILITY TO MOVE TO ANOTHER CHANNEL TO AVOID INTERFERENCE. NEVERTHELESS, IT WILL USE ONLY THE CHANNEL(S) COORDINATED FOR USE BY SBE.

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

THE AMSL IS 768 METERS.

3. Overall tower height above ground level in meters.

THE OVERALL HEIGHT OF THE ANTENNA STRUCTURE, IF ANY, INCLUDING THE ANTENNA WILL BE 15 METERS OR LESS ABOVE GROUND LEVEL.

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

THE HEIGHT OF RADIATION CENTER ABOVE GROUND LEVEL WILL BE 12 METERS.

5. Maximum effective radiated power in kilowatts.

0.061 kW, MEASURED DURING THE ACTIVE TRANSMITTER PERIOD

6. Transmitter output power in kilowatts.

0.090 kW (LINE LOSSES FROM TRANSMITTER TO ANTENNA AND PEAK ANTENNA GAIN

ACCOUNT FOR A FACTOR OF 0.46 dB)

7. Verify that the antenna is nondirectional.

YES, THE ANTENNA IS OMNI-DIRECTIONAL

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

STRINGENT MASK

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

N/A. EMISSIONS ARE DIGITAL

Let me know if you have any other questions. Please note, however, that the first demonstration discussed in the STA request is scheduled to occur beginning May 1.

Respectfully submitted,

Kurt E. DeSoto

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