

Carl Huie

33 ML 04

"Amendment"

From: Mike Xie [Michael.Xie@sercelus.com]**Sent:** Tuesday, July 13, 2004 11:07 AM**To:** Carl Huie**Subject:** RE: The Experimental License

Hi, Carl,

Sercel, Inc. manufactures the oil exploration equipment (system) used to evaluate geological characteristics beneath the earth or ocean floor for petroleum research. The equipment is used in oil and natural gas exploration for a seismic data acquisition employing RF telemetry or cable.

Sercel, Inc. designed and manufactured the radio equipment of type Accepted FCC ID: KQ9812, KQ9816, KQ9819, KQ9901, KQ9902, KQ9903 and KQ9LRU under FCC rule part 90.259. In the international market there are many such system employed.

These equipment falls under FCC rule parts 2, 15 and 90. FCC rule parts 90.203 (a), 90.209 (a) and 15.101 (b) for transmit portion and receiver portion.

In addition FCC rule parts 15.3 (k) and 2.1057 (a).

If you require other information please let me know.

Thanks. Have a nice day.

Rgds
michael

-----Original Message-----

From: Carl Huie [mailto:Carl.Huie@fcc.gov]**Sent:** Tuesday, July 13, 2004 8:00 AM**To:** Mike Xie**Subject:** RE: The Experimental License

What service (subpart section of Part 90) is the equipment used for?

*** Non-Public: For Internal Use Only ***

-----Original Message-----

From: Mike Xie [mailto:Michael.Xie@sercelus.com]**Sent:** Monday, July 12, 2004 4:40 PM**To:** Carl Huie**Subject:** RE: The Experimental License

FCC Rule Part(s): 90.259.

-----Original Message-----

From: Carl Huie [mailto:Carl.Huie@fcc.gov]**Sent:** Monday, July 12, 2004 3:00 PM**To:** Mike Xie**Subject:** RE: The Experimental License

7/13/2004

What FCC rule part governs this?

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-----Original Message-----

From: Mike Xie [mailto:Michael.Xie@sercelus.com]

Sent: Monday, July 12, 2004 3:56 PM

To: Carl Huie

Subject: RE: The Experimental License

Hi, Carl,

Recently we are developing a new Transceiver for system use. The transceiver performances are basically the same as existing transceivers.

Only new transmitter employs a phase modulation scheme, QPSK. Existing transmitter uses a frequency modulation scheme, FSK.

The data rate of new Transceiver is 256 kbps per channel. Its occupied bandwidth is 180 KHz per channel. The new transceiver has a 4-channel operating capability. So the occupied bandwidth of containing four-channel digital information will be 800 KHz (720 KHz at least).

So we request to add a Emission Designator of 800KG7D.

If you require more detail justification please let me know.

Thanks.

RGDS
Mike Xie

-----Original Message-----

From: Carl Huie [mailto:Carl.Huie@fcc.gov]

Sent: Monday, July 12, 2004 11:16 AM

To: Mike Xie

Subject: RE: The Experimental License

Please provide justification for the 800 kHz bandwidth requirement.

*** Non-Public: For Internal Use Only ***

-----Original Message-----

From: Mike Xie [mailto:Michael.Xie@sercelus.com]

Sent: Monday, July 12, 2004 11:44 AM

To: Carl Huie

Subject: RE: The Experimental License

Hello, Carl,

Per our phone conversation this morning for our renew

7/13/2004

application (the file Number: 0033-EX-ML-2004, the confirmation Number EL14594)

I am sending this Email for our modification on the Form 442.
We request new renewed License to add two new Emission Designator:

250KG1D, 10W (ERP) and 800KG7D, 10W (ERP).

Thanks.

Best Rgds
Michael Xie
Tel: 281-647-7416
