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September 6, 2007

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Subject: Form 442 EIRP emissions attachment

To Whom It May Concern:

This attachment addresses additional questions received on September 6, 2007 (reference number 5482) in regards to the filing of FCC Form 442, file number 0442-EX-PL-2007 (submitted on August 27, 2007 with confirmation number EL776583).

Please refer to the table below for our link budget analysis to compute the EIRP at 30m distance from the radiating element.

Parameter	Difference	Value (dBm/Hz)	Value (dBm/24 MHz)
Signal in (over 24 MHz band)		-130.0	-57.0
Outdoor antenna (with LNA)	+38 dB	-92.0	
100' cable LMR400	-6.7 dB	-98.7	
Radiating antenna EIRP	-2 dBi	-100.7	
Connectors/interface	-0.3 dB	-101.0	
Shielded box isolation	-95 dB @ 1.5 GHz	-196.0	
EIRP at 30m distance	-36 dB	-242.0	-169.0

The shielded box, where all radiated measurements will be performed, is manufactured by Ramsey Electronics with part number STE2200. Below is an excerpt from the product data sheet.



STE2200

The "Portable Test Box" or STE2200 evolved from its big brother the STE3000B. Designed specifically for TDMA, CDMA, AMPS, PCS, GSM and other small communication devices, it is constructed to the same precision-machined tolerances as our patented STE3000B to maintain an exceptionally well shielded environment. Heavy duty, rugged .090 and .125 aluminum is used throughout and our double lip, high performance gaskets are used at all joint locations assuring a reliable RF tight closure. Oversized hinges and latches are used to provide a physically tight seal every time. RF absorbent foam lines the interior to provide a typical RF attenuation of -90dB @ 3GHz! Perfect for 2.4GHz testing. Input/output connections and options can be configured to match your needs.

	MODEL	FEATURES	CONNECTORS	ISOLATION	DIMENSIONS	COST
	STE2200	• RF absorbent foam liner • Exclusive double lip RF tight gasket • Easy release handle • Steady-hold hinge • Designed for compact devices	None provided standard. Custom configured, see options below.	-100dB @ 1GHz -90dB @ 3GHz -80dB @ 6GHz	4 1/2"H x 7 1/4"W x 9 1/4"D 3 1/4"H x 6"W x 8 1/4"D (Nom. Inside Dimensions)	\$475.00

In conclusion, we expect to be well within the EIRP bound of -140 dBm/24 MHz.

Sincerely,

Anatoliy Ioffe
Wireless System Engineer