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March 7, 2005

To: Stan Lyles
 FCC Application Processing Branch

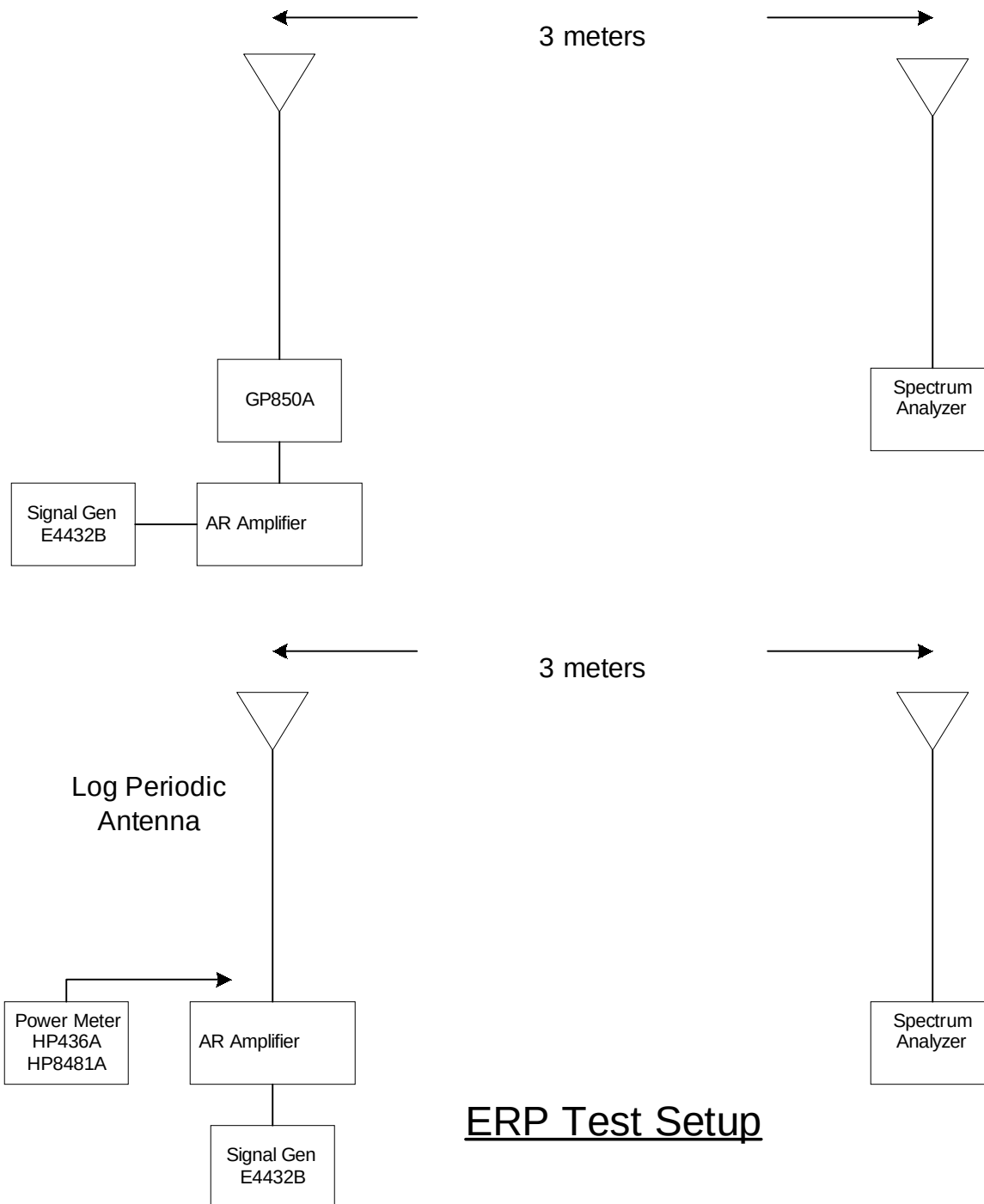
Re: FCC ID SNY-GP850A
Applicant: Pacifica International
Correspondence Reference Number: 28498
731 Confirmation Number: EA529430

This letter responds to your questions in correspondence reference #28498 on 2/23/05.

1.) Please re-measure ERP output power for 800 MHz Cellular band using the substitution method such as described in the ANSI/TIA/EIA-603-B-2002 document.

ERP and EIRP measurement for 800 MHz band in accordance with ANSI/TIA/EIA-603-B-2002 section 2.2.17:

1. Measurements were first made with the EUT and the 3dBi EUT antenna transmitting to the log periodic antenna (Glen Ellen Lab Model Number LPA-3) on the antenna mast at 3 meters distance, height maximized for receive signal strength.
2. Then the EUT and EUT antenna were replaced with the AR amplifier (Model Number 1W1000) and a second log periodic antenna (Glen Ellen Lab Model Number LOG9414). The power from the signal generator was set so that the received signal at the receive antenna was the same level as when the EUT was transmitting (again height maximized for receive signal strength).
3. This power input into the cable connected to the transmit antenna from the AR amplifier was measured with a power meter, and the value was recorded into the first column of Table 1.
4. This value was then corrected for the cable loss between the AR amplifier and log periodic antenna, and the antenna gain of the log periodic antenna.



ERP (dBm) = Output power (dBm) – Cable loss (dB) + Antenna gain (dBd)

EIRP (dBm) = Output power (dBm) – Cable loss (dB) + Antenna gain (dBi)

EIRP(dBm) = ERP (dBm) + 2.15 (dB)

Table 1: Measurement and calculations

Frequency MHz	Power dBm	Cable loss dB	Gain dBi	EIRP dBm	EIRP W	ERP dBm	ERP W
824.0	23.0	1.95	6.974	28.04	.634	25.874	.387
836.0	27.8	1.95	6.974	32.70	1.885	30.604	1.149
849.0	27.0	1.95	6.974	31.88	1.540	29.730	.940

Therefore:

The maximum ERP = 1.149 W

The maximum EIRP = 1.885 W

Please let me know if you need any additional information. Your consideration in this matter is appreciated.

Sincerely yours,



Udom Vanich
Engineering Manager
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