

From: Dave Thomas

To: Anthony Serafini

Date: May 04, 2015

Subject: Request for Info - File # 0229-EX-PL-2015

Message:

In response to your correspondence (Reference # 27750) the following is submitted:

1) Calculations of Repeater EIRP at 100' per Section 8.3.28 of the NTIA Manual

Frequency (MHz)	L1 1575	L2 1227.6
Avg RX Pwr (dBm)	-130	-136
RX Ant Gain (dB)	40	40
Cable Loss (DB)	-12	-10
Amp Gain (dB)	24.5	24.5
Repeater Ant Gain (dB)		3.5 3.5
Total System Gain (DB)		56 58
EIRP at Ant	-74	-78
Free Space Loss with Isotropic Ant	-66	-64
Repeater Signal Pwr at 100'	-140	-142

2) Stop Buzzer Contact:

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