

Kim Gorman

From: Sousa, Ricardo M. [RSousa@princelobel.com]
Sent: Monday, January 06, 2014 12:59 PM
To: david@isotope.com
Cc: Sousa, Ricardo M.; Kim Gorman
Subject: FW: MA1037S - Acton - Craig Road
Attachments: Acton Alternative Analysis Supplement Final.pdf; Acton - 14-4317 CANISTER PROFILE.pdf; MA1037_Acton Coverage Plots.zip

Hello David:

I had your old email. Below please find an email I tried to send to you last Thursday. Please let me know if you ave some time to discuss today or tomorrow before the next hearing tomorrow night.

Thanks,
Rick

Ricardo ("Rick") M Sousa
rsousa@princelobel.com
617 456 8123 direct
617 794 8998 mobile

 PRINCE LOBEL

Prince Lobel Tye LLP
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From: Sousa, Ricardo M.
Sent: Thursday, January 02, 2014 3:19 PM
To: 'dmaxson@broadcastsignallab.com'
Cc: Sousa, Ricardo M.
Subject: MA1037S - Acton - Craig Road

Hello David:

Happy New Year. I hope you had a nice Holiday.

I am taking over the SBA (and AT&T) application from Brian Grossman who is no longer at our Firm. As such, I was reviewing your last memo to the Town of Acton regarding our application and I wanted to try to address some of your outstanding questions.

More specifically, I wanted to send you the following in response to the 6 items in your report dated December 3, 2013, as follows:

1. Regarding the divergence, I would like to schedule a call for you to speak to AT&T's RF. Please let me know if this is acceptable.
2. Please see the email from Evan Thibodeau of C Squared Systems below.
3. Please see a Cannister profile for a proposed Unipole. This sketch shows the dimensions of a proposed flag-pole design Unipole that would accommodate AT&T's equipment (antennas and RRHs), including the necessary diameter. Photos sims of this design were provided to the Board in our Supplemental Filing of October 29, 2013. AT&T would reserve the top 2 slots in this Unipole design.
4. We are happy to discuss the three-pole design, but I don't believe there was a further action item to the photo simulations that we provided.

5. Please see additional plots from AT&T's RF Engineer that show propagation at the lower heights (65', 80' and 100' for both 3G and 4G). In addition, I also include plots for the property at 70 Hosmer (an alternative candidate that we were asked to evaluate). I would like to schedule a call to discuss the impact of a lower rad center on AT&T's design. A further reduction in height will have a significant impact on AT&T's network.
6. Attached please find a supplemental affidavit from Steve McGovern of Airosmith Development regarding his efforts to address the State owned property along Route 2.

I will prepare a Supplemental Filing of these materials to the Board, but I wanted to send these materials to you first to address your report and for your analysis.

As I mention above, I think it would be helpful if we could have a discussion between you and AT&T's RF prior to the next hearing next week. Are you amenable to a call tomorrow or Monday ?

Thanks,
Rick

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From: Evan Thibodeau [mailto:Evan.Thibodeau@csquaredsystems.com]
Sent: Monday, December 23, 2013 4:43 PM
To: MD, AMJAD; 'Matthew Bandle'
Cc: RATHORE, DEEPAK; Keith Vellante
Subject: RE: MA1037S - Acton - Craig Road - RF Action Items

Hi Amjad,

The information below should answer all of David Maxson's questions.

- Data was collected using a PCTel MX multi-band scanner, serial number 71304008. The unit is due for calibration every 2 years and was last calibrated on May 6, 2013.
- This scanner was connected to 2 external, roof-mounted wideband 698-2500MHz antennas. These antennas each have 12' of LMR-240 coax, with an approximate loss of 0.9dB for 850MHz and 1.3dB for 1900MHz. The gain of each antenna is 3dBi (698-960MHz) / 4dBi (1710-2500MHz).
- We collected 850MHz UMTS (Channels 4358 & 4382) and 1900MHz UMTS data (Channels 412 & 437). Each channel was scanned at 3.84MHz bandwidth.
- Data was collected on October 3, 2013, between the hours of 10AM and 1PM.
- There were no adjustments made to the raw data, prior to submission to AT&T.

Please let me know if you need any other information about the test.

Thanks,

Evan Thibodeau

C Squared Systems

6 Dartmouth Drive Auburn, NH 03032

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