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TO:	James Chaousis, Boothbay Board of Appeals	DATE:	August 8, 2014
FROM:	Jeff Preble	PROJECT NO.:	12972A
SUBJECT:	Mariner Tower Peer Review		

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As a follow up to one of the Board of Appeals members requests, we have summarized the questions raised by the Board in the June 4, 2014 email correspondence and our responses to the questions in a single memo format. These questions were discussed with the applicant during the conference calls held on the project. Each of the questions is listed below and our responses follow in *italics*.

Q1: Utilizing, as the denominator, the total number of "households" existing in the area in Boothbay located east of Route 27 encompassed by and reflected on the "coverage" exhibits 1-4 attached to the above referenced application, and considering the location of each household within the area, relative to the coverage indicated on the Exhibits, provide for each Exhibit both the number of households and percentage of total households that will be provided at a level of -85db or greater under each alternative.

*A1: The Town of Boothbay provided a map with the total number of households with building values greater than \$10,000 for the East Boothbay area, which is enclosed with this memo. Comparing this map with the coverage plots provided by AT & T the target area of the proposed Spaulding site tower covers a good portion of the Ocean Point area, where there is a high density of households. There are several households in the northerly end of the peninsula that lie outside the coverage plot of the proposed tower location.*

Q2: Provide the same information as above for each Exhibit, multiplied by a factor equal to the ratio of year round residents to the total households.

*A2: We understand the Town does not have information relative to year round vs. seasonal households in the target area.*

Q3: If the proposed Tower were approved, how does/would AT & T propose to address the substantial gap in coverage that would continue to exist in the remaining areas of East Boothbay? Wouldn't AT & T require additional towers to provide the

Memo: James Chaousis  
August 8, 2014  
Page 2

desired coverage to the households remaining in the "Gap" as defined in the pending application?

*A3: Additional towers would be needed to provide coverage to the entire East Boothbay peninsula. The current site is not designed to provide service to the entire peninsula. We understand AT & T is not proposing additional towers at this time.*

Q4: There is an existing Tower in Boothbay at Red Hawk Reach, please provide an analysis that would show the coverage of the area in question if that tower were to be utilized.

*A4: Information relative to the Red Hawk Reach tower is provided in the August 7, 2014 review report. As shown in the coverage plot included with the report, this tower is not positioned in a manner that would provide service to the desired gap area.*

Q5: Assuming Spy Glass Hill was the site used for a tower as shown on Exhibit 4, what limited measures could AT & T then use to provide the desired coverage to the Ocean Point area?

*A5: The Spy Glass Hill site is not currently proposed as a tower location. If this site were utilized as a tower location, then additional towers would be required to provide coverage into the identified gap areas. Information was provided with the previous application and included in our RF Peer Report concerning the use of the small cell technology.*

Q6: There is a substantial gap on the area of Spruce Point opposite Ocean Point, and the high point of that landmass currently has no coverage. Could a tower be placed at that location, benefiting both that area as well as ocean point? Please provide a projection in that regard reflecting the transmission from both a 120' and 300' tower.

*A6: During our conference calls with the applicant, we discussed alternate sites located in the Spruce Point or South Bristol areas. Typical a cell tower site normally provides coverage within a 1-1/2 mile area depending on terrain and other factors. Based on the plots run for the other alternate sites in East Boothbay, a tower on Spruce Point or in South Bristol would not provide coverage into the desired gap area.*