

From: Richard Hibbeler

To: Doug Young

Date: September 27, 2016

Subject: Request for Info - File # 1256-EX-ST-2016

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Message:

Hi Doug, please see below for response to your questions -

Let me know if anything else is required.

1) Will any of the RU antennas point vertically above the horizon? If any antenna points above the horizon, what is the maximum elevation angle?

All the 6 antennas (2 per sector) can have elevation angle upto -2 deg (negative downtilt).

2) Do any of the RU tilt down (below the horizon) towards the mobile stations?

All the 6 antennas (2 per sector) can have downtilt of upto +4 deg.

3) Are there any plans for the fixed stations to transmit South-West, South or South-East? If yes, please provide each fixed station azimuth direction in degrees. Form 442 shows the fixed station will transmit at 90 degrees in the horizontal plane (azimuth).

Yes, one set of antenna will transmit south with azimuth of 200 Deg

4) What is the maximum antenna main beam gain for the fixed stations (with ERP of 630.95 Watts per sector) used for RF planning?

The max antenna gain is 22dBi (19.86dBd)

Thanks,

Rich Hibbeler