

Understand this is an urging project and we will do our best to expedite the process. According to the info you supplied in the last email, I have more questions for you. Please clarify them ASAP, Thanks.

Question #6: Since two antennas array will be used in very close proximity to each other, especially when both are seated at same center with 45 degree offset. Please verify that the two antennas in 45 degree offset position will not generate more unwanted emission or increase the antenna gain in comparing to the tested single antenna array configuration.

Answer: For this cell station, two systems are in one chassis, but each system is operated separately. Since each system is operated at different frequency, it does not increase the antenna gain compared to cell station with one system. (It could happen only when the frequencies are same by chance, although there is little possibility for that.) We think you might care about the TX intermodulation regarding to unwanted emission, but the cell station has 2 stages of isolators behind power amplifier to take sufficient care of the problem.

Question #7: What is the highest EIRP power when both antenna main lobes was directed to the same spot at all possible combinations. A higher output power is expected, since two adaptive arrays can transmit the signal simultaneously to target two different users and they could be in the same spot.

Answer: Two RF systems operate in this cell station separately, and it is same as that there are two cell stations of one RF system for each. We believe EIRP power at each RF system does not change since this cell station is operated at another frequency.

Thank you for your cooperation.