



ECP-383^{Q&As}

Ericsson Certified Associate - Radio Network Optimization

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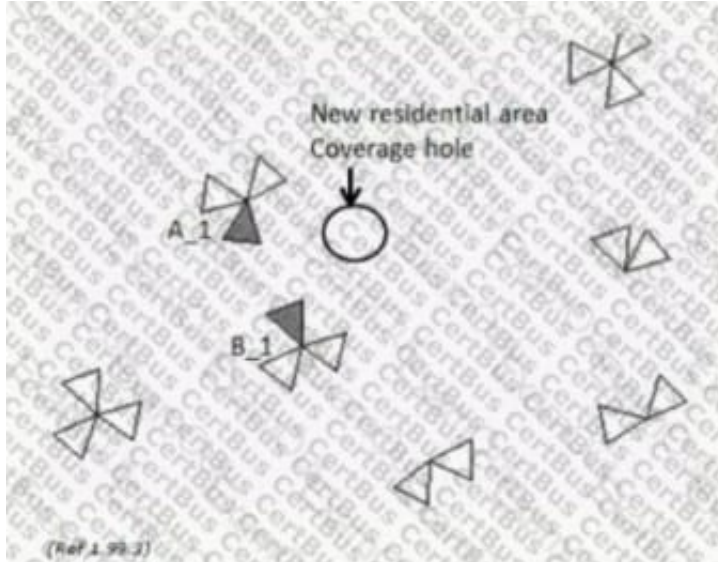
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QUESTION 1

Review the exhibit.



A new residential area has recently been built showing a lack of 3G uplink coverage as shown in the exhibit. The terrain is flat and all the buildings in the area are 20 meters in height with no other relevant direct obstacles.

What should be applied to cells A_1 and B_1 to provide 3G service to the new area knowing that both cells have a soft handover (SHO) factor of 1.9?

- A. Increase the CPICH power.
- B. Increase the electrical downtilt.
- C. Reduce the antenna height.
- D. Change the azimuth.

Correct Answer: D

QUESTION 2

Review the exhibit.



Parameter	Parameter Description
<i>qQualMin</i>	Specifies the minimum required quality level(RSRQ) in the cell in dB. Corresponds to Qqualmin in TS 36304, sent in SIB1. Value 0 means that it is not sent and UE applies in such case the (Default) value of negative infinity for Qqualmin.
<i>qRxLevMin</i>	The required minimum received Reference Symbol Received Power(RSRP) level in the E-UTRA frequency for cell reselecton. Corresponds to parameter Qrxlevmin in 3GPP TS 36.304. This attribute is broadcast in S1B1.

An operator's LTE single layer network has a cell not carrying enough traffic. To increase the traffic carried by the cell, the operator decides to modify the Idle mode behavior of the cell. Values for the qRxLevMin and qQualmin parameters are currently set to -120 dBm and -12 dB. Referring to the exhibit, which two configurations would be used to potentially increase the traffic carried by this cell? (Choose two.)

- A. Set the qRxLevMin parameter to -117 dBm.
- B. Set the qQualMin parameter to -15 dB.
- C. Set the qQualMin parameter to -9 dB.
- D. Set the qRxLevMin parameter to -123 dBm.

Correct Answer: BD

QUESTION 3

What are two benefits provided by the introduction of GPRS/EGPRS Downlink Power Control in a GSM network? (Choose two.)

- A. reduced power consumption in RBS
- B. reduced downlink Interference levels In the system
- C. reduced uplink interference levels in the system
- D. increased PS accessibility



Correct Answer: BD

QUESTION 4

Which two statements are true about 64 QAM modulation in the downlink direction? (Choose two.)

- A. The usage of 64 QAM is not dependent on radio channel quality.
- B. The usage of 64 QAM is UE dependent.
- C. The spectral efficiency of 64 QAM is higher than QPSK in strong radio conditions.
- D. The spectral efficiency of 64 QAM is lower than QPSK in strong radio conditions.

Correct Answer: BC

QUESTION 5

Which two benefits does OSS counter-based optimization provide compared to drive test measurements? (Choose two.)

- A. OSS counters capture the indoor performance.
- B. OSS counters allow throughput measurements in cells where no traffic is carried.
- C. OSS counters only capture the outdoor performance.
- D. OSS counters provide OPEX cost savings.

Correct Answer: AD

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