

WF for Completion of Study Phase and  
Beginning of Working Phase for  
E-UTRA 2.4 GHz TDD Band for US

Nokia, Globalstar

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# WF for Study Phase Completion Agreed to in RAN4 #88

## 1. Analyze on the impact of the 2483.5-2495 MHz band upon the ISM band WLAN and BT traffic:

- a. The impact on the highest BT channel (2480 MHz), concerning a low level hearing aid device (long life battery life, EIRP = 2.5 nW), located at 1 and 10 m away of a GlobalStar eNB (peak EIRP = 36 dBm)
- b. The impact on a channel 11 STA under two scenarios:
  - a. located at equal distance of a channel 11 AP (EIRP = 23 dBm) and a GlobalStar eNB (EIRP = 36 dBm and a max conducted power spectral density limit of 8 dBm/3 kHz)
  - b. located at distance  $d$  of a channel 11 AP (EIRP = 23 dBm) and at distance  $0.1d$  of a GlobalStar eNB (EIRP = 36 dBm and a max conducted power spectral density limit of 8 dBm/3 kHz)
- c. The same impact analysis upon an AP under two scenarios:
  - a. co-located at equal distance between a STA (EIRP = 17 dBm), operating on channel 11 and a eNB operating on a 2483.5 MHz channel edge (AP EIRP = 36 dBm, PSD=8dBm/3kHz).
  - b. co-located at distance  $d$  of a STA (EIRP = 17 dBm), operating on channel 11 and at distance  $0.1d$  of a eNB operating on a 2483.5 MHz channel edge (AP EIRP = 36 dBm, PSD=8dBm/3kHz).

2. GlobalStar shall present the results of their self-assessment comprising graphical information on the average co-existence traffic throughput, as a result of distance between WLAN STA/AP and BT (<2483.5 MHz) vs. the LTE eNB.

3. GlobalStar shall evaluate IDC impact when a LTE TDD UE operating in the 2483.5-2495 MHz is collocated with a BT/BLE/WiFi device.

4. The SI will get completed once the above targets will be achieved.

(see WF from CableLabs / Broadcom, R4-1811569)

## Commence Working Phase if Study Phase is Concluded Before RAN #82

1. Completion of Study Phase of the WI is targeted for RAN4 #88-Bis.
2. If Study Phase of the WI is completed in RAN4 #88-Bis, the Working Phase of the WI may begin in RAN4 #88-Bis.