



May 15, 2012

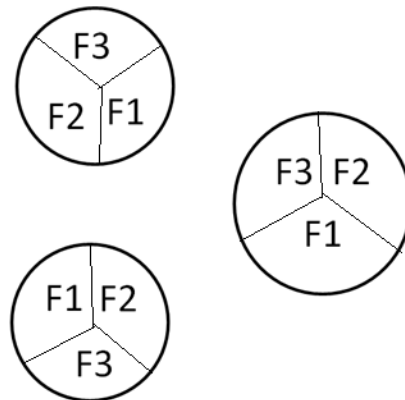
Federal Communication Commission  
Office of Engineering and Technology  
USA

RE: FCC ID:LKTCOMPACT3X  
Form 731 CN: EA542527  
Subject: CRN 41781

Dear Mr. Chen,

Please find attached our response according to your questions.

1) We share the same channel using the radio planning as already I sent before considering Reuse 3 scheme. In addition we use different preamble index that identifies the BS in which CPEs can follow exactly the associated BS there are 114 combinations of preamble indexes. Additional mechanism is OFDM sub-channels/carriers permutations in which we randomly mix the subcarriers for each BS in UL and DL directions separately to prevent the interferences. The permutations are orthogonal in which reduces the interferences. All this is parallel to GPS synchronization and TDD ratio that prevents Transmit and Receive overlapping of the sites. In addition we have 25MHz that we can plan to distribute 5 channels of 5MHz each that allows distribution of the frequencies between the neighbor BS. The following shown scenario is also satisfied using 3 channels of 5MHz each. Considering all this I do not see any problem to have coexistence of frequencies between the BSs.



2) We use 2Tx/4Rx.

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