



October 2, 2017

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RE: Comments of September 06, 2017

APPLICATION: EVOLV Technology

FCC ID: 2ALLJ-EDGE01

3. The block diagram appears to show a separate “HF Sub-system” in addition to the “mmWave Sub-system”. Is this “HF Sub-system” a “High Frequency” transmitter, operating in the 3-30 MHz band? There does not appear to be any additional information in the application regarding any transmitter other than the one being certified to operate in the 24 – 28 GHz range – please clarify.

R. Per Applicant “In this context “HF” does not stand for “High Frequency”, but rather for “H-Field”. The sensors in question are passive magnetic sensors, and do not emit any intentional radiation.”

7. Please confirm that the radiated emission levels listed in DXX EMC Table 5 were measured with a peak detector.

R. The levels were measured with a peak detector.

9. The Power Schematic Overview document indicates a potential ON time of 0.75 usec per transmitter in the EUT’s array. Was the EUT operating in this manner, i.e., with 0.75 usec pulses per transmitter, during the measurements? If so, was potential pulse desensitization taken into account in the calculation of the peak field strength levels, as required by Section 15.35(b)? Please clarify.

R. Per Applicant “The EUT was not strobing in time, frequency or transmitter location during this test, and thus no desensitization needs to be taken into account. To enable an accurate test the EUT was put into a fixed-frequency, single transmitter, 100% ON-time mode during the testing in question.”