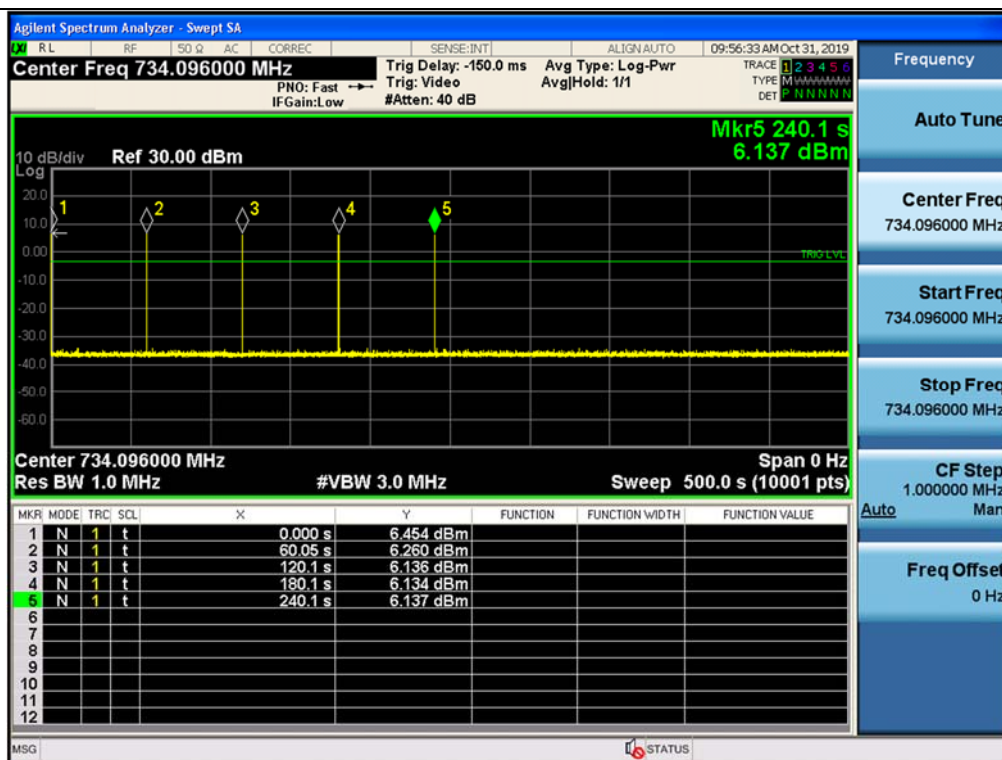
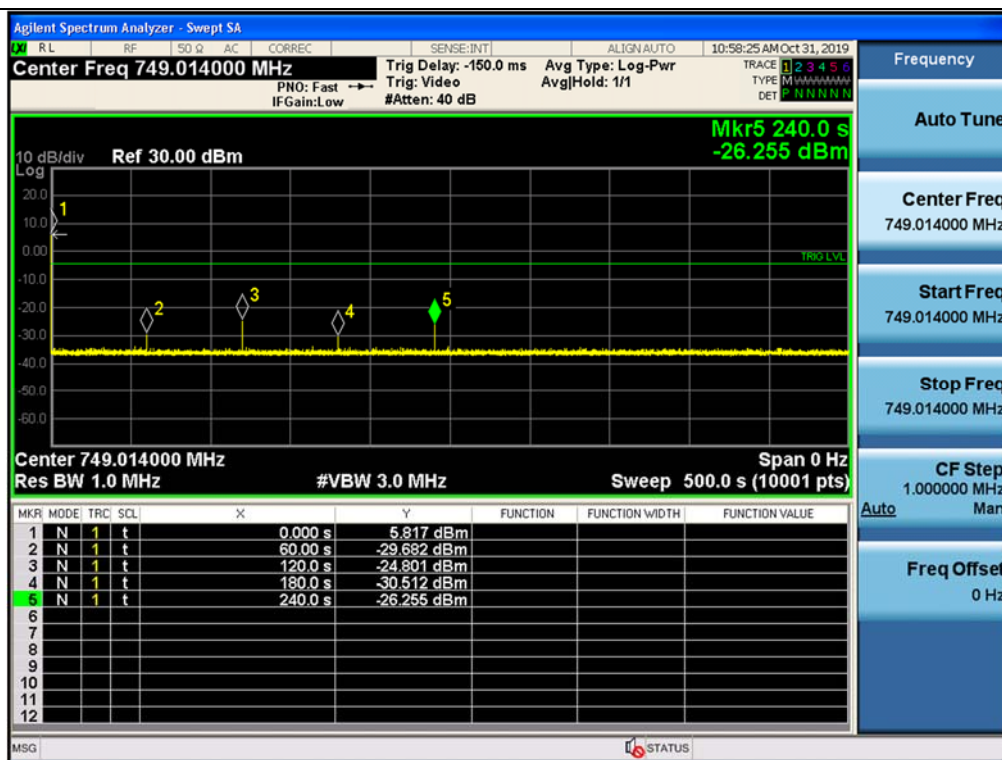


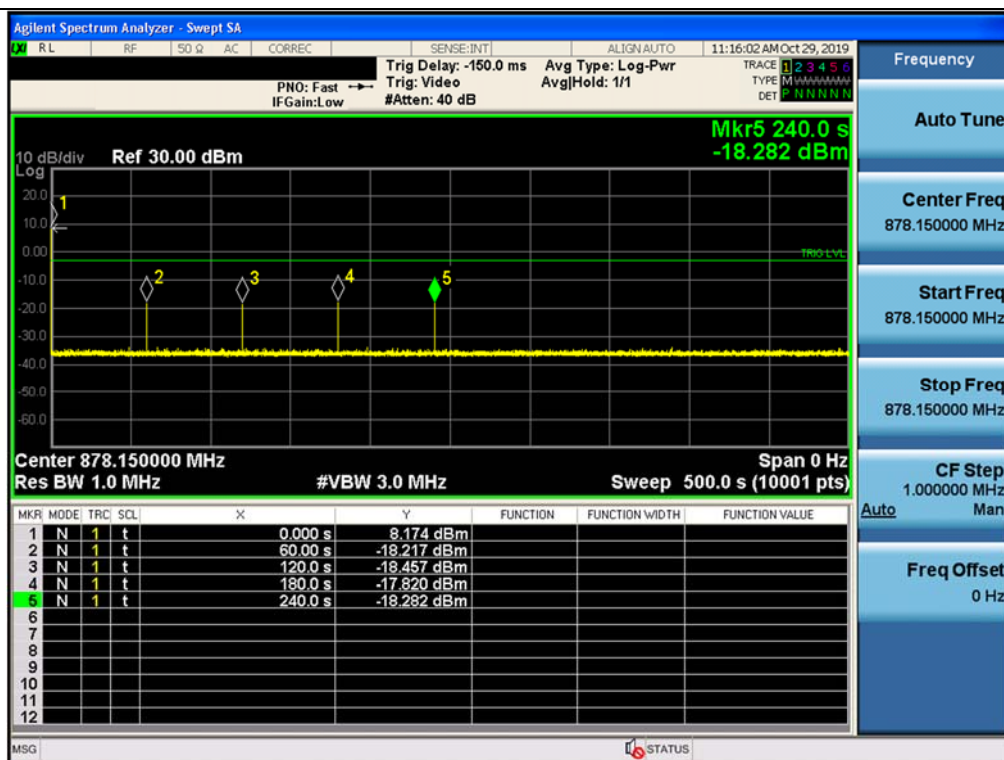
Number of Oscillation Restart / Lower 700 MHz / Downlink



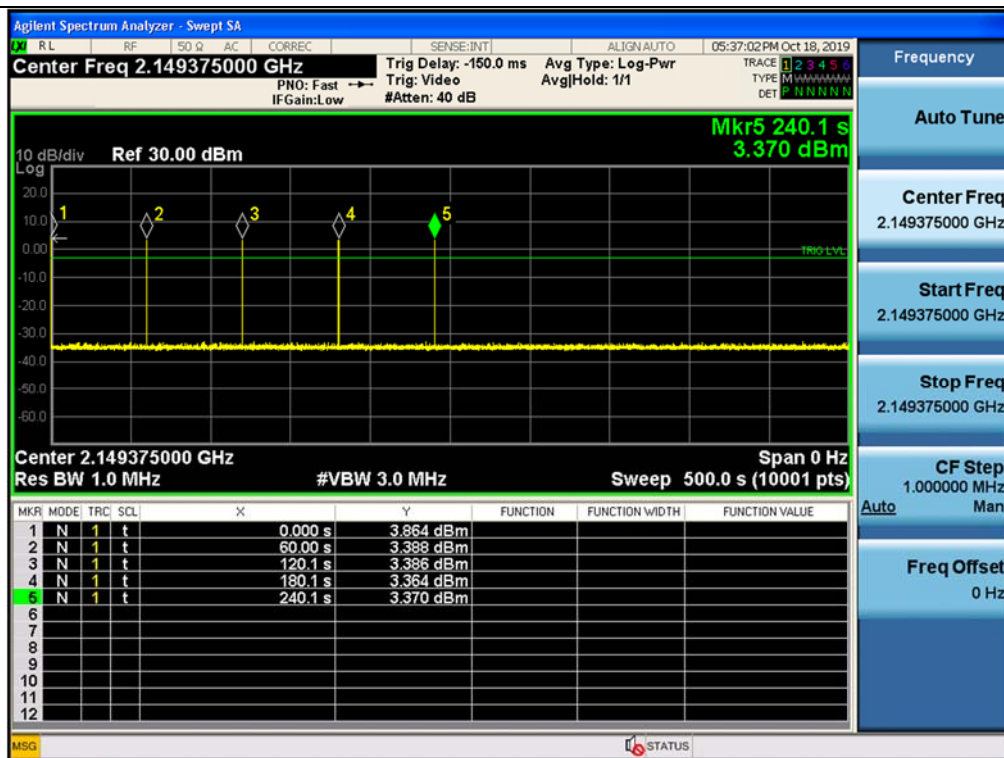
Number of Oscillation Restart / Upper 700 MHz / Downlink



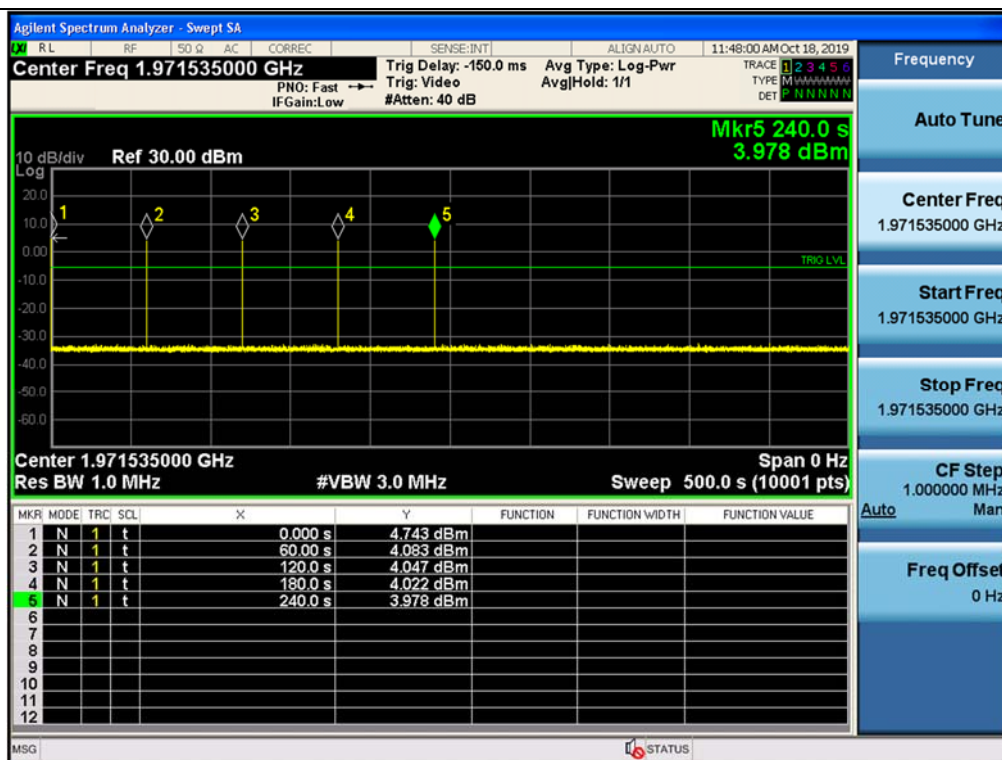
Number of Oscillation Restart / Cellular / Downlink



Number of Oscillation Restart / AWS-1 / Downlink



Number of Oscillation Restart / Broadband PCS / Downlink



5.12. RADIATED SPURIOUS EMISSIONS

Test Requirements:

§ 2.1053 Measurements required: Field strength of spurious radiation.

(a) Measurements shall be made to detect spurious emissions that may be radiated directly from the cabinet, control circuits, power leads, or intermediate circuit elements under normal conditions of installation and operation. Curves or equivalent data shall be supplied showing the magnitude of each harmonic and other spurious emission. For this test, single sideband, independent sideband, and controlled carrier transmitters shall be modulated under the conditions specified in paragraph (c) of § 2.1049, as appropriate. For equipment operating on frequencies below 890 MHz, an open field test is normally required, with the measuring instrument antenna located in the far-field at all test frequencies. In the event it is either impractical or impossible to make open field measurements (e.g. a broadcast transmitter installed in a building) measurements will be accepted of the equipment as installed. Such measurements must be accompanied by a description of the site where the measurements were made showing the location of any possible source of reflections which might distort the field strength measurements. Information submitted shall include the relative radiated power of each spurious emission with reference to the rated power output of the transmitter, assuming all emissions are radiated from halfwave dipole antennas.

(b) The measurements specified in paragraph (a) of this section shall be made for the following equipment:

- (1) Those in which the spurious emissions are required to be 60 dB or more below the mean power of the transmitter.
- (2) All equipment operating on frequencies higher than 25 MHz.
- (3) All equipment where the antenna is an integral part of, and attached directly to the transmitter.
- (4) Other types of equipment as required, when deemed necessary by the Commission.

Test Procedures:

Measurements were in accordance with the test methods section 7.12 of KDB 935210 D03 v04r03

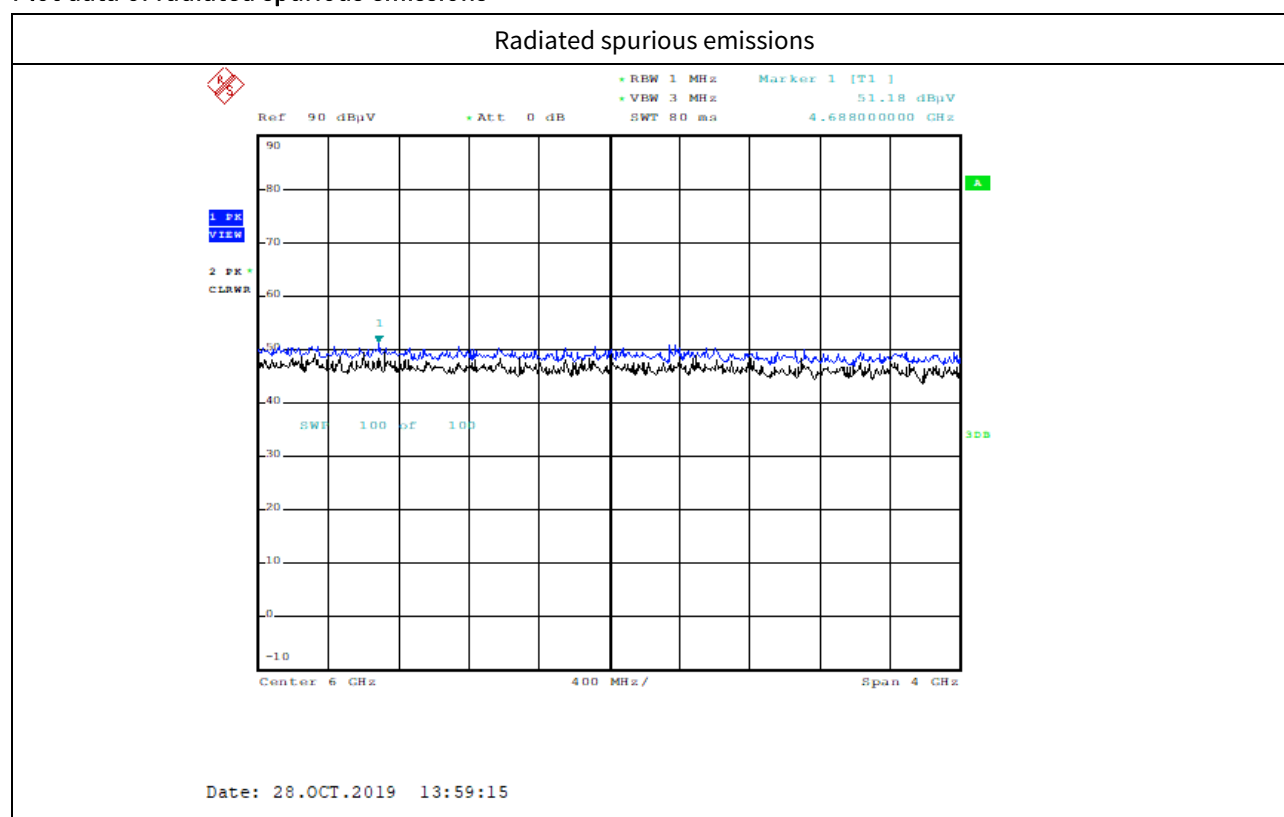
- a) Place the EUT on an OATS or semi-anechoic chamber turntable 3 m from the receiving antenna.
- b) Connect the EUT to the test equipment beginning with the uplink output (donor) port.
- c) Set the signal generator to produce a CW signal with the frequency set to the center of the operational band under test, and the power level set at P_{IN} as determined from measurement results per maximum power measurement.
- d) Measure the radiated spurious emissions from the EUT from the lowest to the highest frequencies as specified in Section 2.1057. Maximize the radiated emissions by using the procedures described in ANSI C63.26.
- e) Capture the peak emissions plots using a peak detector with Max-Hold for inclusion in the test report. Tabular data is acceptable in lieu of spectrum analyzer plots.
- f) Repeat c) through e) for all uplink and downlink operational bands.

Note1. Limit is according to ‘-13 dBm’ of spurious test.

Note2. Test results of below 1 GHz band were not recorded in this report, because its result was in 20 dB lower than limit.

Test Result:

Plot data of radiated spurious emissions



Note : Only the worst case plots for Radiated Spurious Emissions.

6. Annex A_EUT AND TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-1911-FC006-P