![intertek logo]
**Total Quality. Assured.**
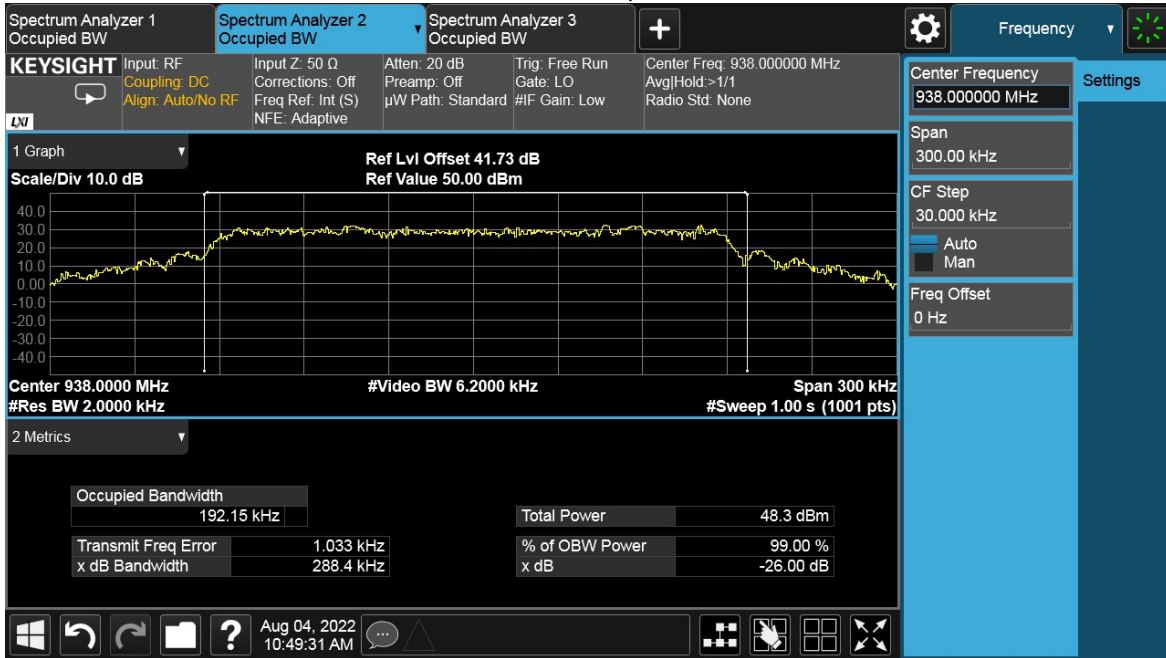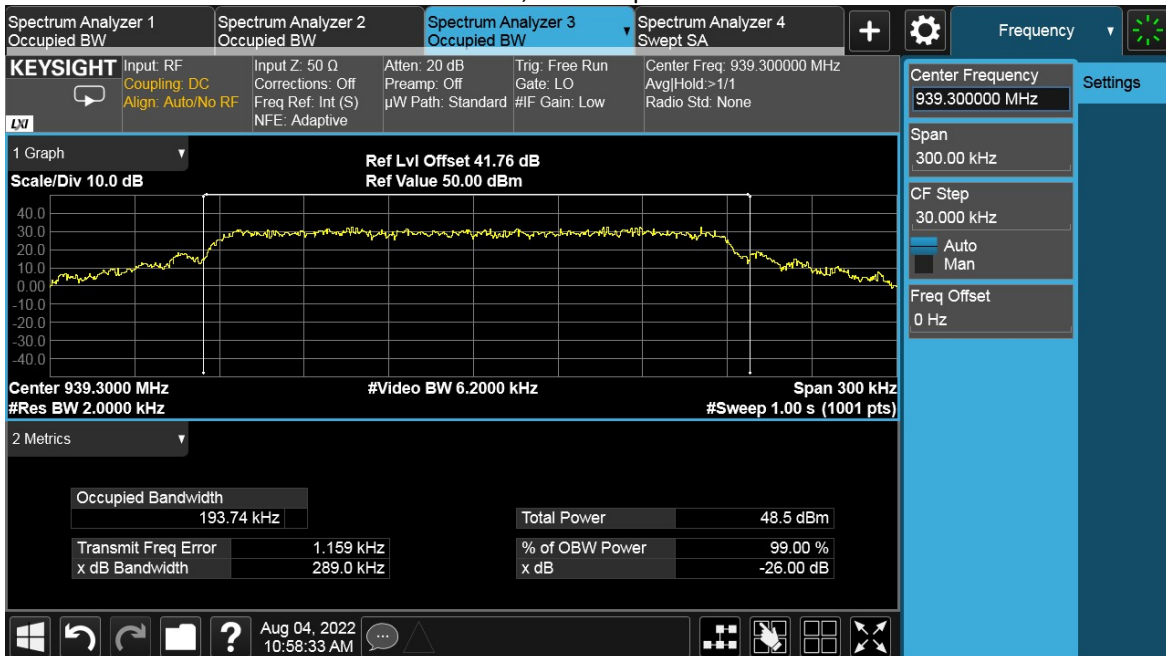
## TEST REPORT

### 0.2MHz, Channel position M



### 0.2MHz, Channel position T

**TEST REPORT**

# 5 Unwanted Emissions at Band Edge

**Test result:** **Pass**

## 5.1 Limit

The power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) in watts by at least the following amounts:
For 900 MHz broadband operations in the 936.5–939.5 MHz band, by at least 50 + 10 log (P) dB.

## 5.2 Measurement Procedure

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 50 + 10log(P) dB.

For MIMO mode configurations, the limit was adjusted with a correction of -6.02dB [10Log(1/4)][1] by using the Measure and Add 10Log(N) dB technique according to KDB 662911 D01 Multiple Transmitter Output accounting for simultaneous transmission from antenna ports . Then the limit was adjusted to -26.02dBm.

In the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed and a RBW of 100kHz for measurements of emissions > 100kHz away from the band edges.
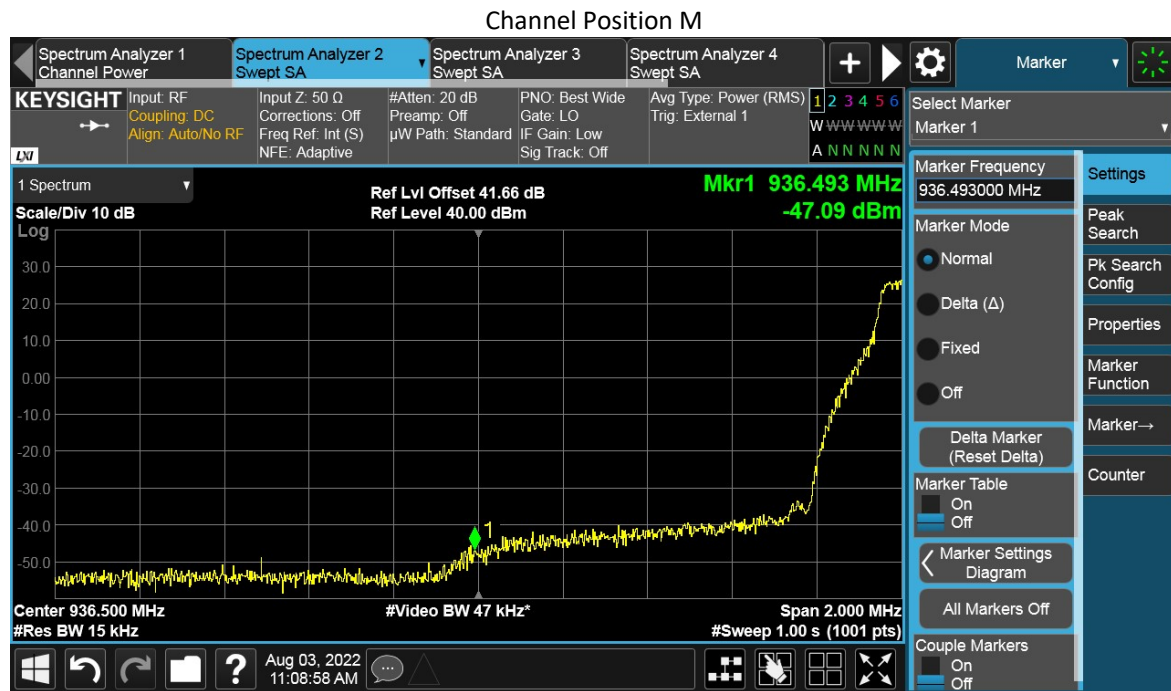
Spectrum analyzer detector was set as RMS.

Note: For MIMO mode, -6.02dB [10Log(1/4)] is used as correction by manufactory's requirement.
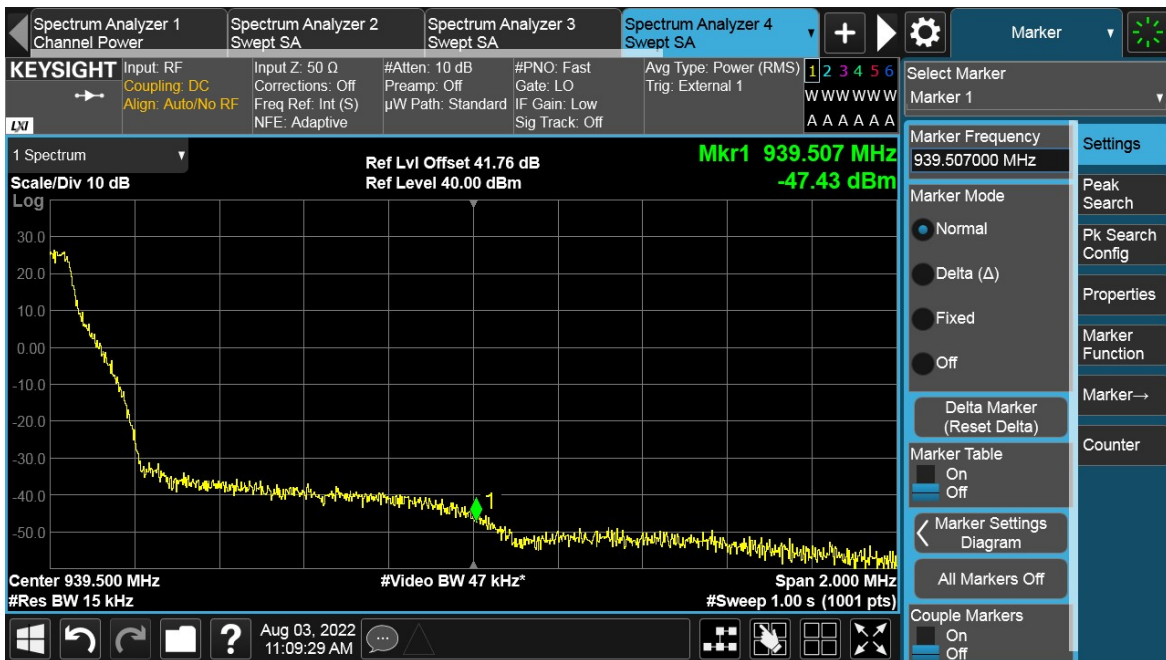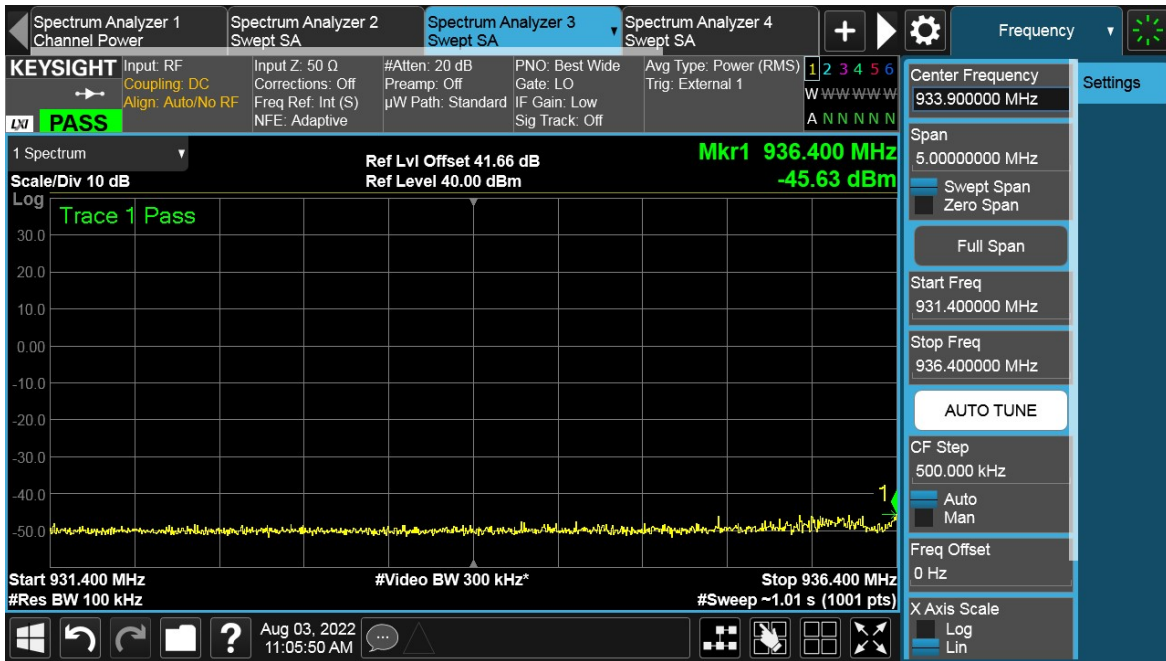
**TEST REPORT**

## 5.3 Measurement result

LTE-1C 20W with Filter Unit

| Antenna Port | Channel Position | Modulation | Channel Bandwidth (MHz) | RBW (kHz) | Limit (dBm) |
|---|---|---|---|---|---|
| B | M | 64QAM | 1.4 | 15 | -26.02 |
| | | | | 100 | -26.02 |

Channel Position M

**TEST REPORT**

![intertek logo] Total Quality. Assured.
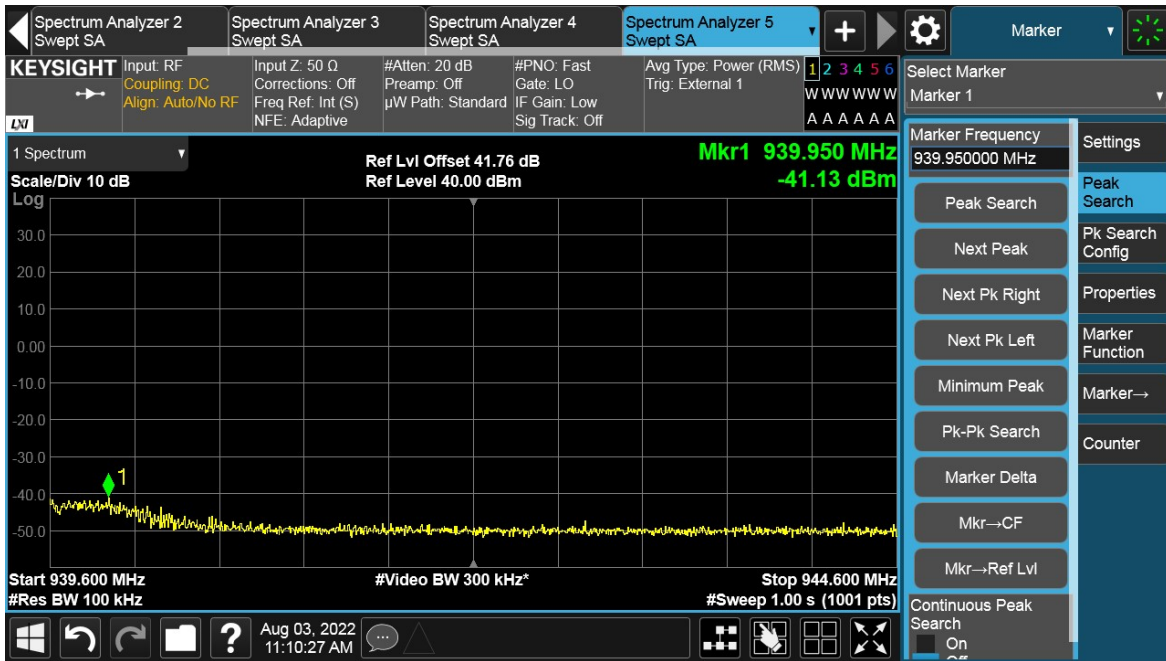
## TEST REPORT



### LTE-1C 60W with Filter Unit

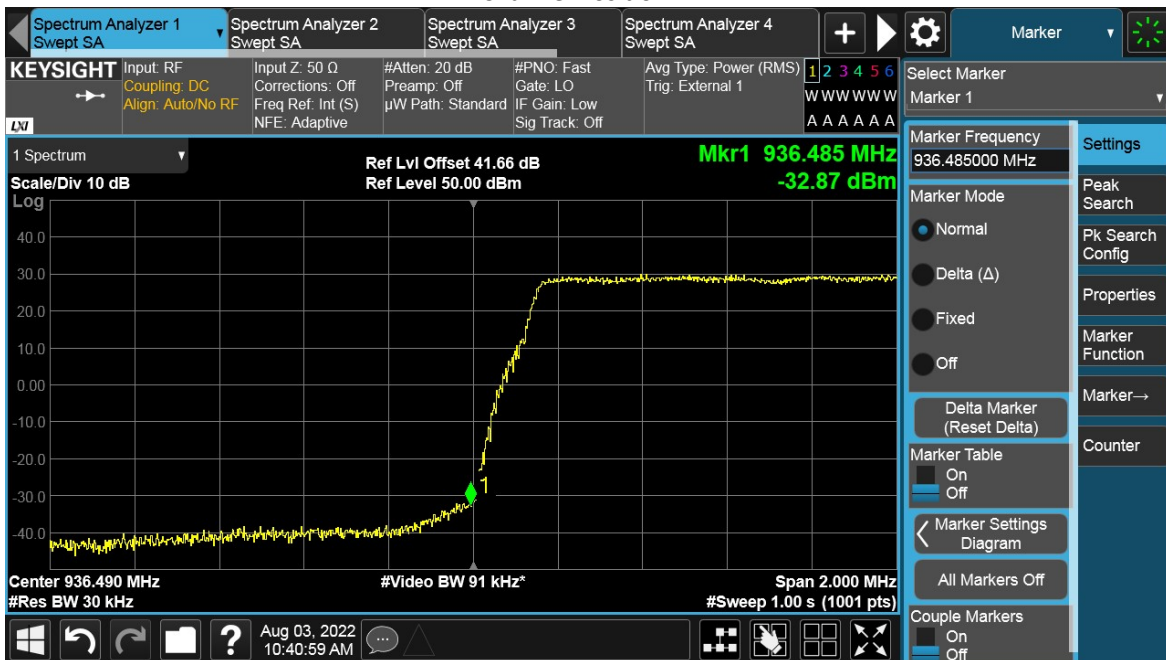| Antenna Port | Channel Position | Modulation | Channel Bandwidth (MHz) | RBW (kHz) | Limit (dBm) |
|---|---|---|---|---|---|
| B | M | 64QAM | 3 | 30 | -26.02 |
| | | | | 100 | -26.02 |

Channel Position M

**intertek**

Total Quality. Assured.

## TEST REPORT