

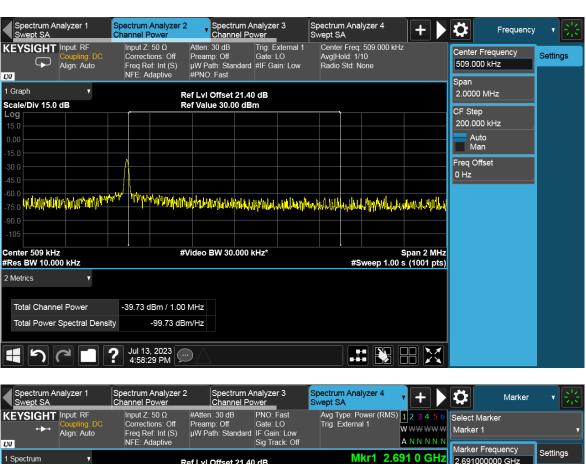




### Channel Position T

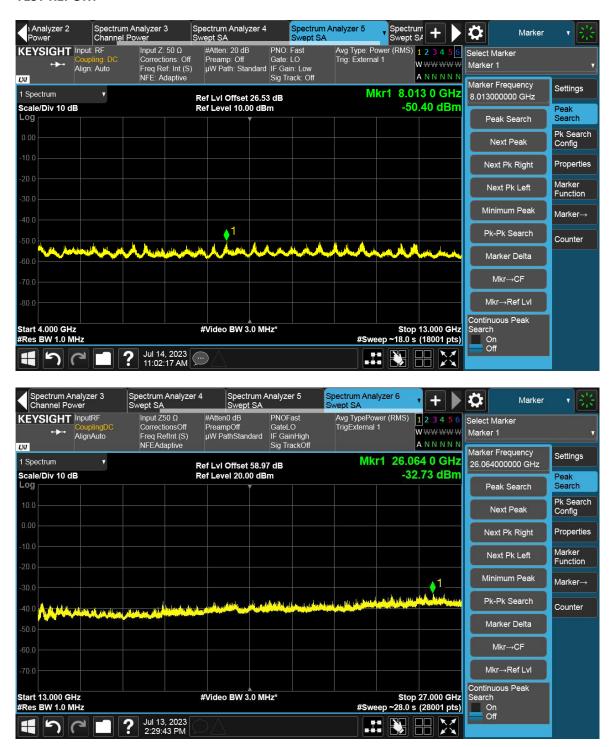


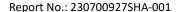








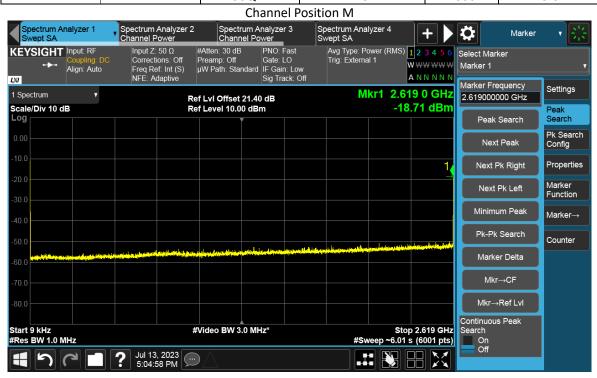


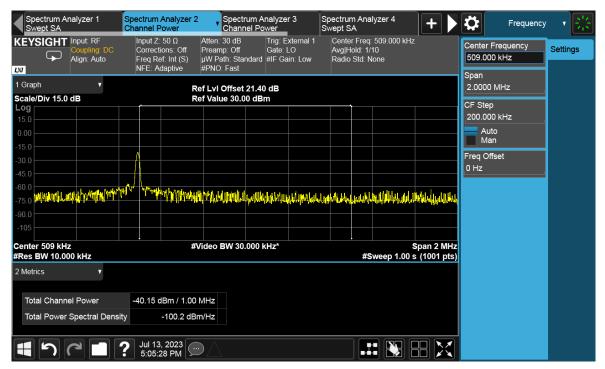




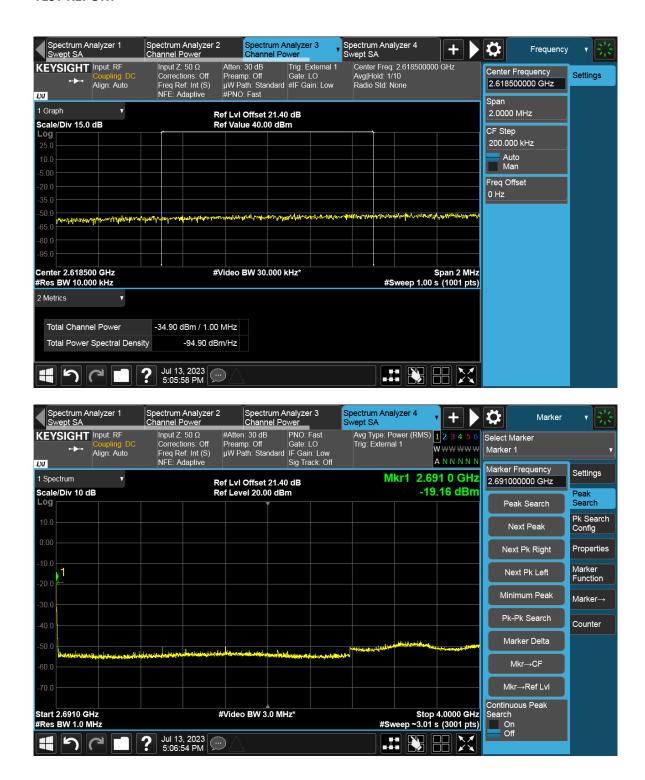
#### NR-2C-UE:

| Antenna Port | Channel  | Modulation | Channel BW | RBW   | Limit  |
|--------------|----------|------------|------------|-------|--------|
|              | Position |            | (MHz)      | (kHz) | (dBm)  |
| Α            | М        | 256QAM     | 25         | 1000  | -19.02 |









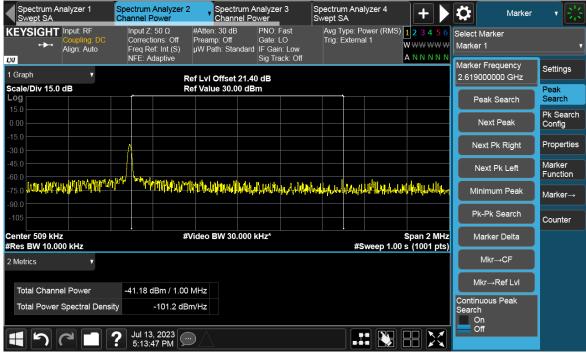




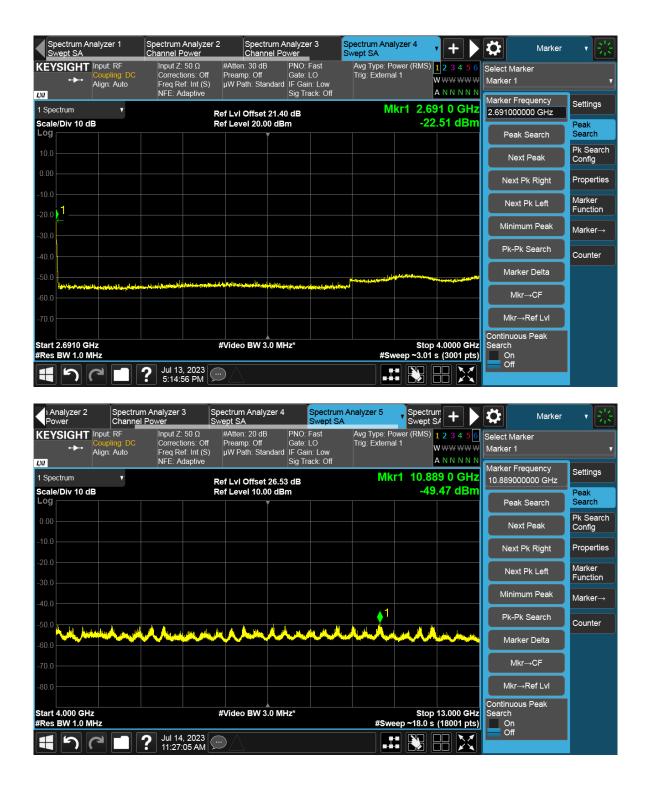


| Antenna Port | Channel  | Modulation | Channel BW | RBW   | Limit  |
|--------------|----------|------------|------------|-------|--------|
|              | Position |            | (MHz)      | (kHz) | (dBm)  |
| Α            | М        | 256QAM     | 30         | 1000  | -19.02 |



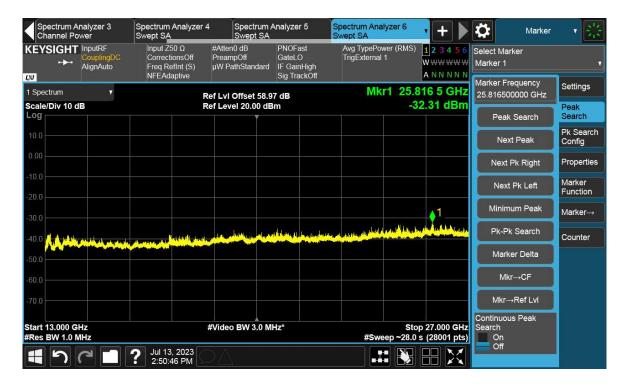














Report No.: 230700927SHA-001

# 7 Frequency Stability

Test result: Pass

# **7.1** Limit

The transmitter frequency stability limit shall be determined as follows:

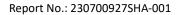
(a) the frequency offset shall be measured according to the procedure described in RSS-Gen and recorded.

(b) using a resolution bandwidth equal to that permitted within the 1 MHz band immediately outside the channel edge, as found in section 4.5, reference points will be selected at the unwanted emission limits, which comply with the attenuation specified in section 4.5 for the type of device under test, on the emission mask of the lowest and highest channels. The frequency at these points shall be recorded as fL and fH respectively.

The applicant shall ensure compliance with frequency stability requirements by showing that fL minus the frequency offset and fH plus the frequency offset is within the frequency range in which the equipment is designed to operate.

# 7.2 Measurement Procedure

All measurements were made in accordance with FCC KDB 971168 D01, Clause 9 and ANSI C63.26 Clause 5.6





# 7.3 Measurement result

Frequency Error – Temperature Variation

NR-1C:

| Antenna | Modulation   | Channel   | Temperature Frequency Stability (Hz) |           |           | (Hz)      |
|---------|--------------|-----------|--------------------------------------|-----------|-----------|-----------|
| Port    | iviodulation | bandwidth | (°C)                                 | Channel B | Channel M | Channel T |
|         | 256QAM       | 50MHz     | -30                                  | 1.17      | 1.02      | 1.29      |
|         |              |           | -20                                  | 1.06      | 1.07      | 1.09      |
|         |              |           | -10                                  | 0.91      | 0.85      | 1.35      |
| A       |              |           | 0                                    | 0.96      | 1.27      | 1.18      |
|         |              |           | 10                                   | 1.13      | 1.05      | 0.97      |
|         |              |           | 20                                   | 0.62      | 0.86      | 1.27      |
|         |              |           | 30                                   | 0.89      | 1.56      | 1.16      |
|         |              |           | 40                                   | 1.07      | 1.22      | 1.01      |
|         |              |           | 50                                   | 1.40      | 1.07      | 1.16      |

Frequency Error – Voltage Variation

NR-1C:

| Antenna | Modulation | Channel<br>bandwidth | Temperature<br>(°C) | Supply         | Frequency Stability (Hz) |           |           |
|---------|------------|----------------------|---------------------|----------------|--------------------------|-----------|-----------|
| Port    |            |                      |                     | Voltage<br>(V) | Channel B                | Channel M | Channel T |
|         |            |                      |                     | -40.5          | 0.72                     | 0.89      | 1.39      |
| Α       | 256QAM     | 50MHz                | 20                  | -48.0          | 0.62                     | 0.86      | 1.27      |
|         |            |                      |                     | -57.5          | 0.70                     | 0.60      | 1.12      |