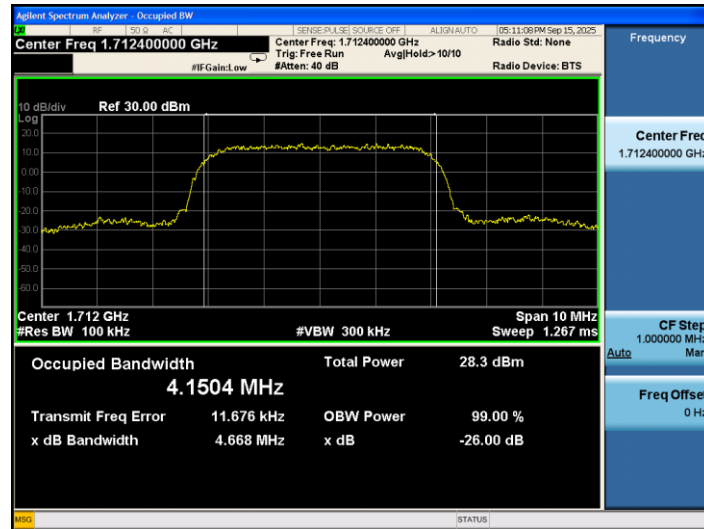
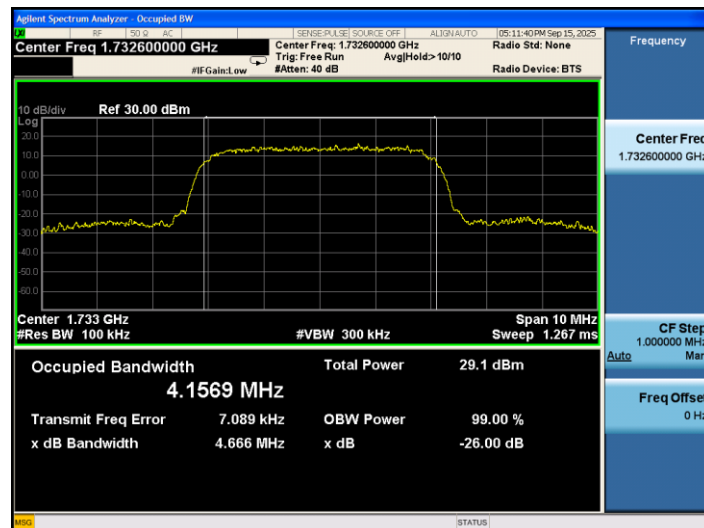


|       |               |            |                          |
|-------|---------------|------------|--------------------------|
| Band: | WCDMA Band IV | Test Mode: | RMC 12.2Kbps Link (QPSK) |
|-------|---------------|------------|--------------------------|

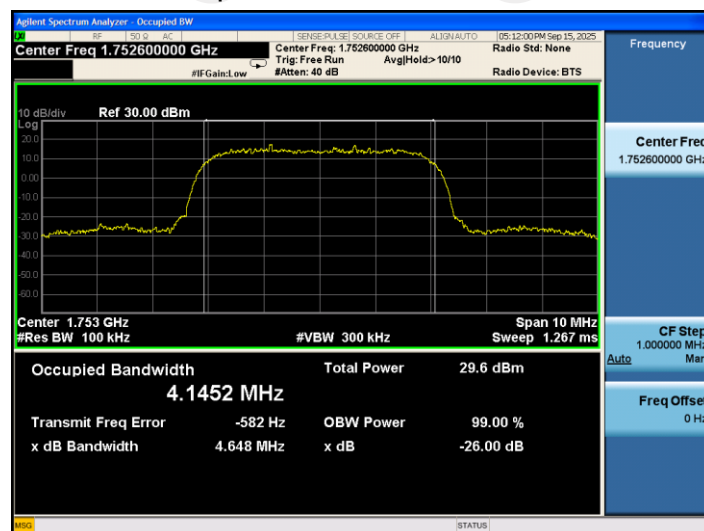
26dB&99% Occupied Bandwidth Plot on Channel 1312



26dB&99% Occupied Bandwidth Plot on Channel 1413



26dB&99% Occupied Bandwidth Plot on Channel 1513



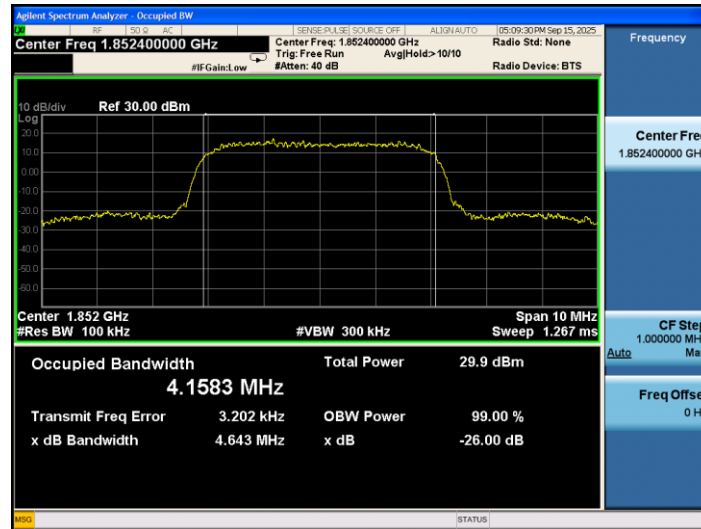
Band:

WCDMA Band II

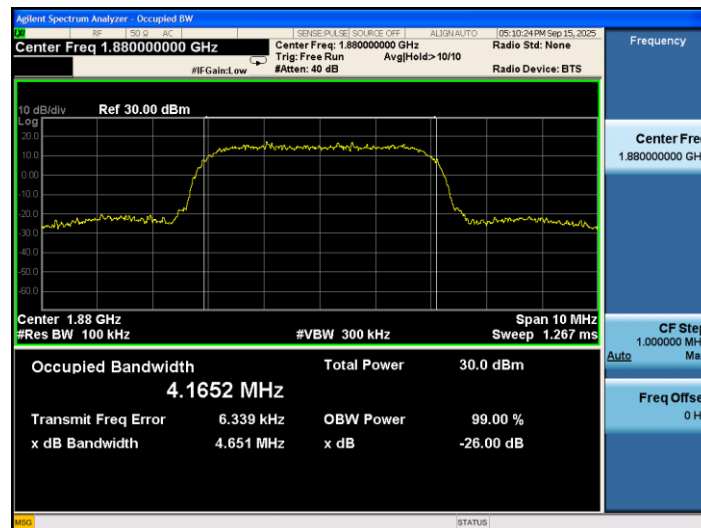
Test Mode:

RMC 12.2Kbps Link (QPSK)

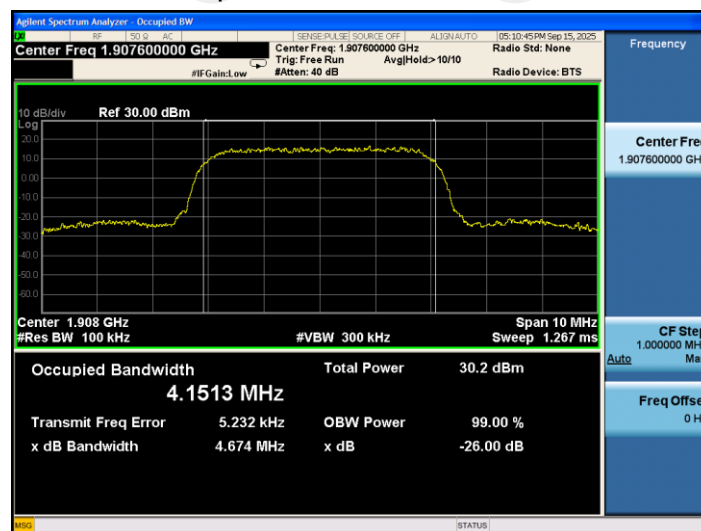
26dB&99% Occupied Bandwidth Plot on Channel 9262



26dB&99% Occupied Bandwidth Plot on Channel 9400



26dB&99% Occupied Bandwidth Plot on Channel 9538



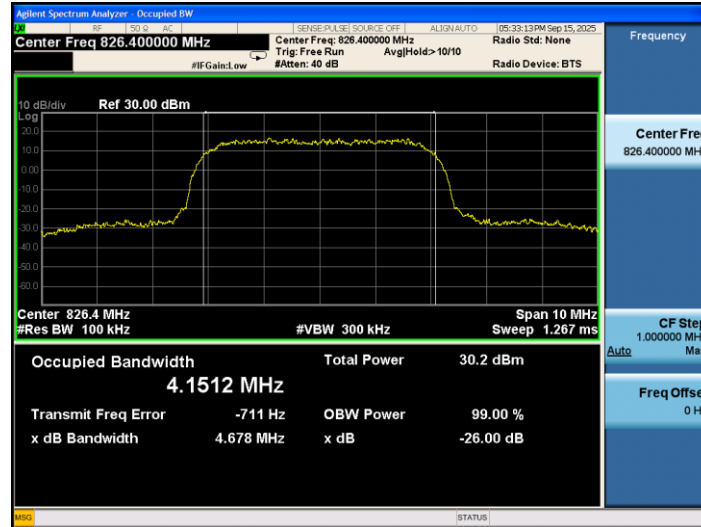
Band:

WCDMA Band V

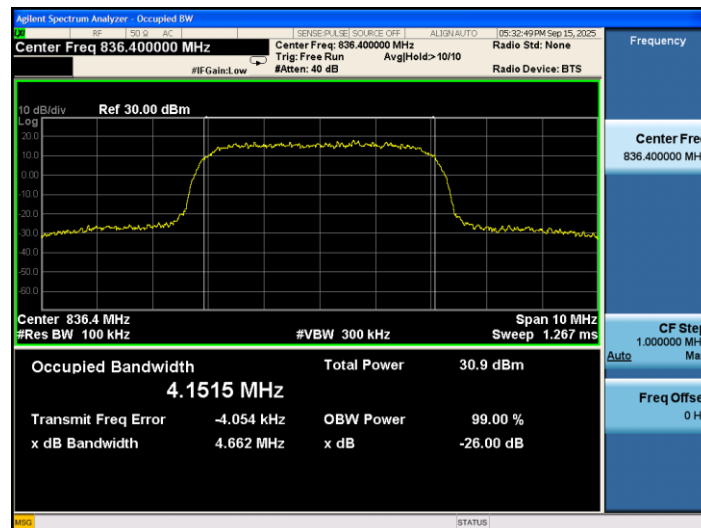
Test Mode:

HSDPA

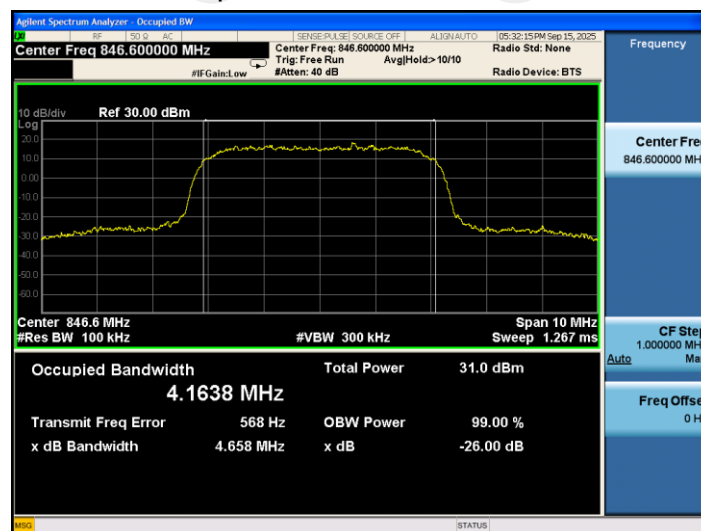
26dB&99% Occupied Bandwidth Plot on Channel 4132



26dB&99% Occupied Bandwidth Plot on Channel 4182

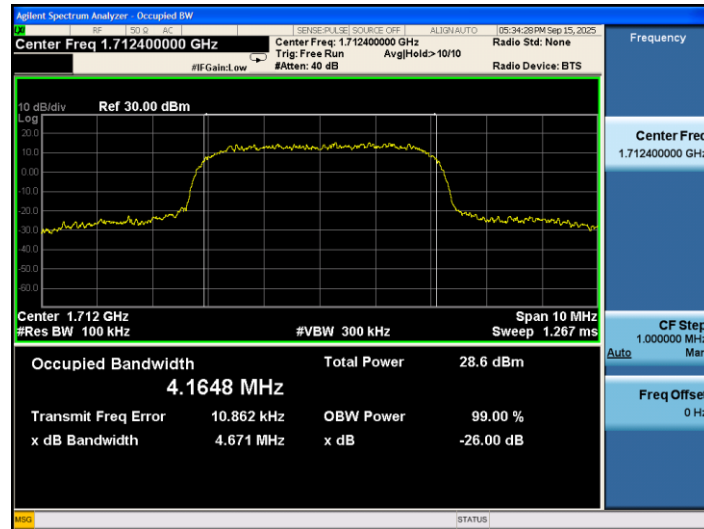


26dB&99% Occupied Bandwidth Plot on Channel 4233

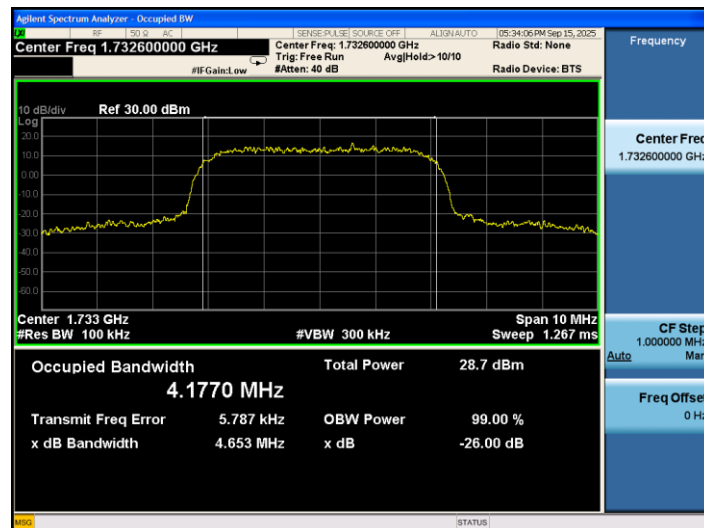


|       |               |            |       |
|-------|---------------|------------|-------|
| Band: | WCDMA Band IV | Test Mode: | HSDPA |
|-------|---------------|------------|-------|

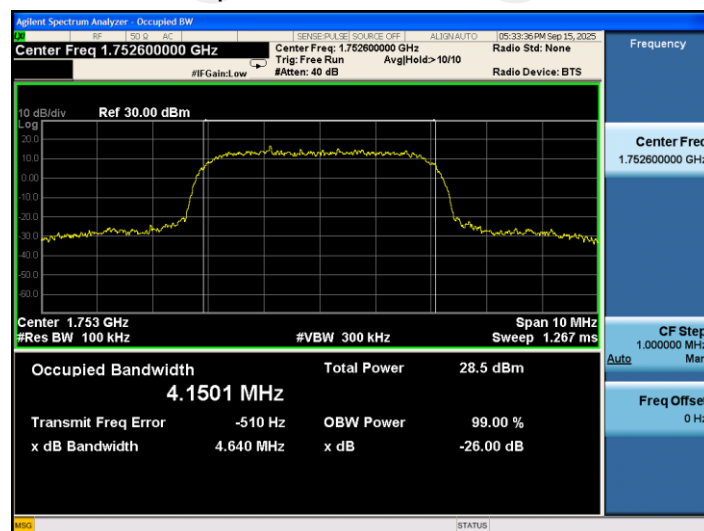
26dB&99% Occupied Bandwidth Plot on Channel 1312



26dB&99% Occupied Bandwidth Plot on Channel 1413



26dB&99% Occupied Bandwidth Plot on Channel 1513



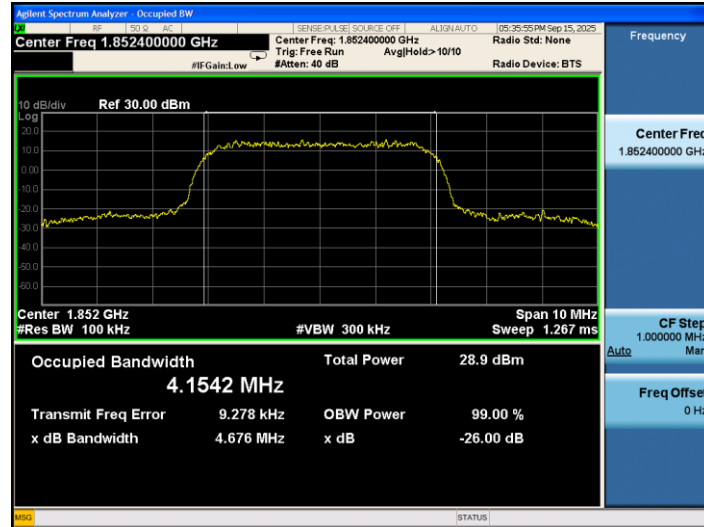
Band:

WCDMA Band II

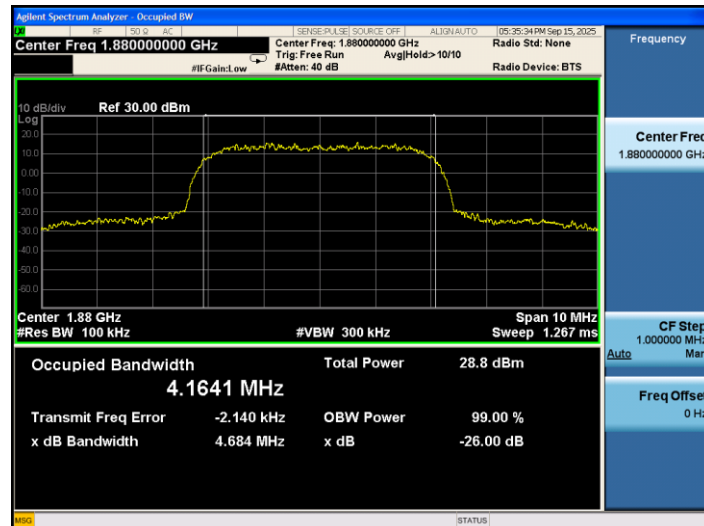
Test Mode:

HSDPA

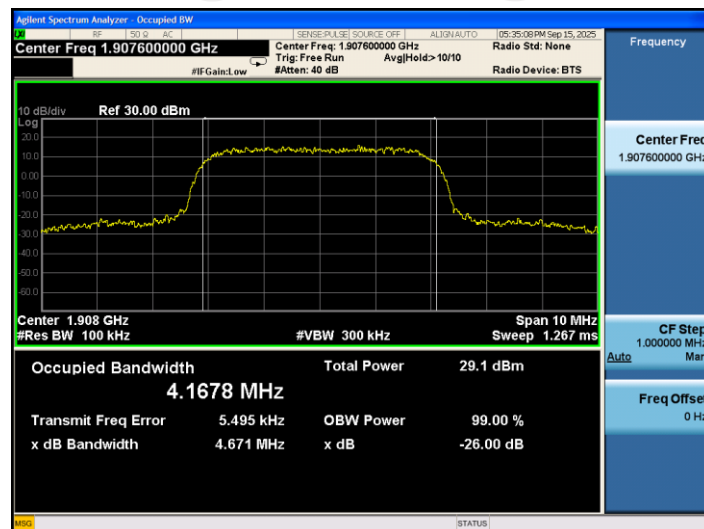
## 26dB&99% Occupied Bandwidth Plot on Channel 9262



## 26dB&99% Occupied Bandwidth Plot on Channel 9400



## 26dB&99% Occupied Bandwidth Plot on Channel 9538



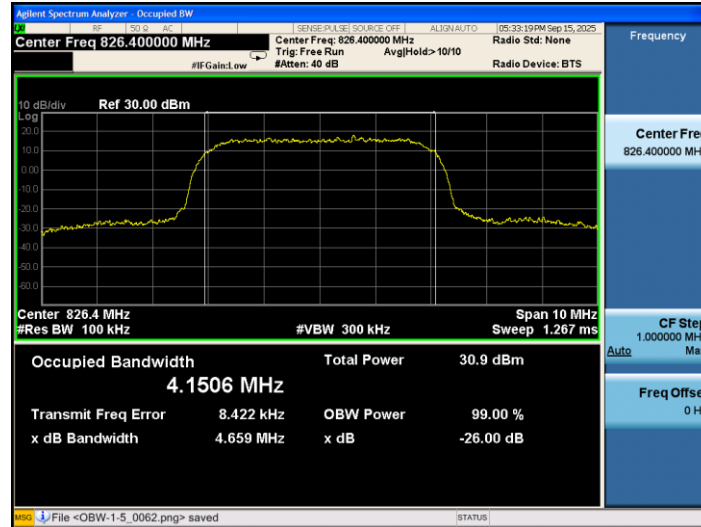
Band:

WCDMA Band V

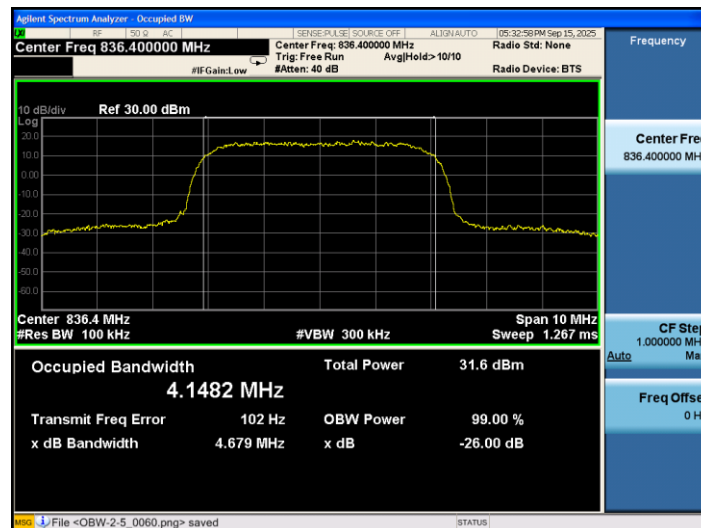
Test Mode:

HSUPA

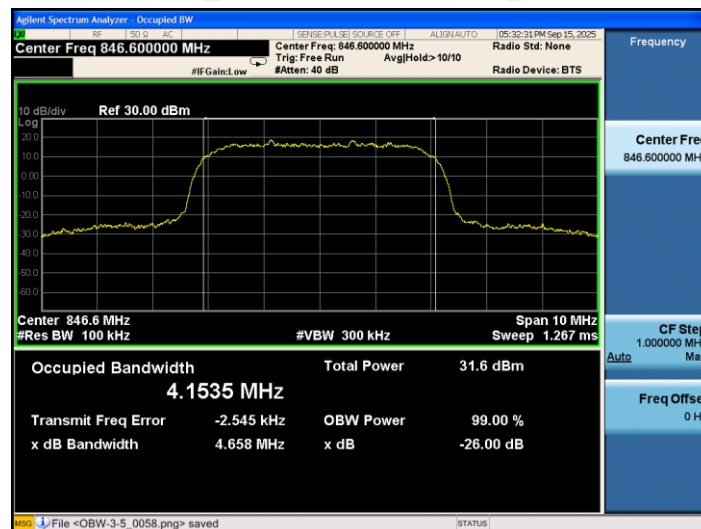
## 26dB&99% Occupied Bandwidth Plot on Channel 4132



## 26dB&99% Occupied Bandwidth Plot on Channel 4182

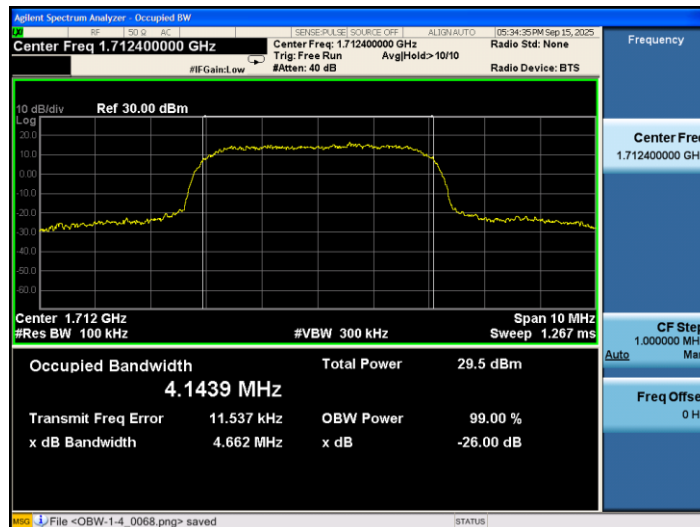


## 26dB&99% Occupied Bandwidth Plot on Channel 4233

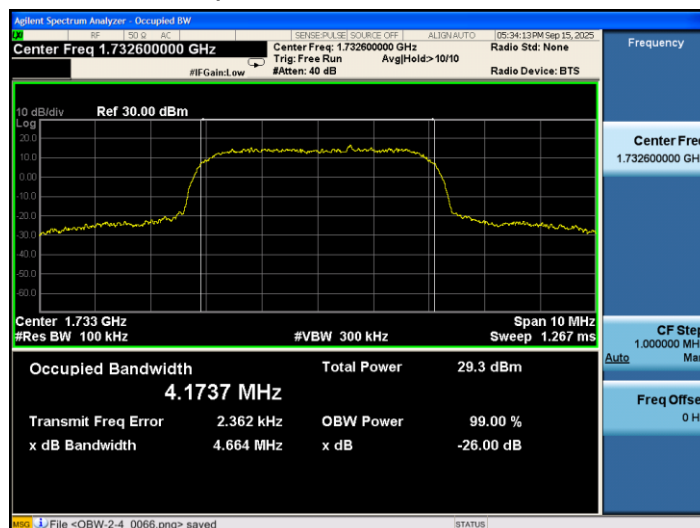


|       |               |            |       |
|-------|---------------|------------|-------|
| Band: | WCDMA Band IV | Test Mode: | HSUPA |
|-------|---------------|------------|-------|

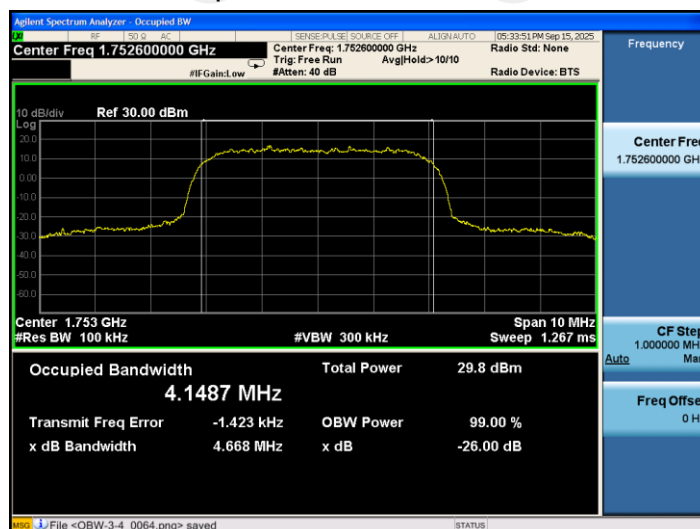
26dB&99% Occupied Bandwidth Plot on Channel 1312



26dB&99% Occupied Bandwidth Plot on Channel 1413



26dB&99% Occupied Bandwidth Plot on Channel 1513



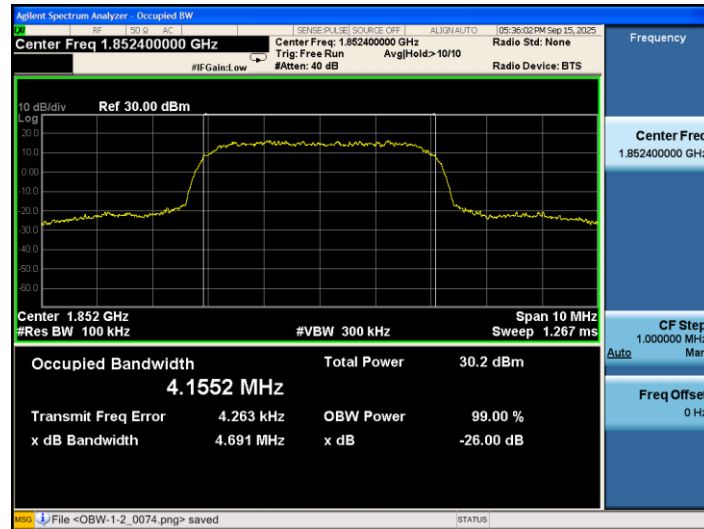
Band:

WCDMA Band II

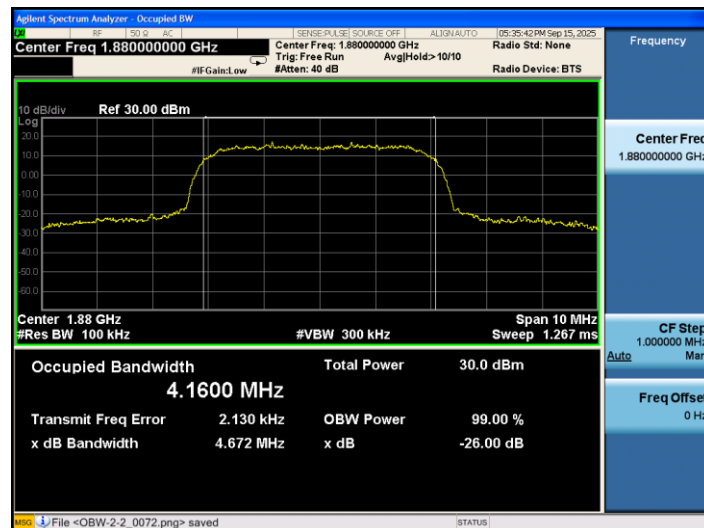
Test Mode:

HSUPA

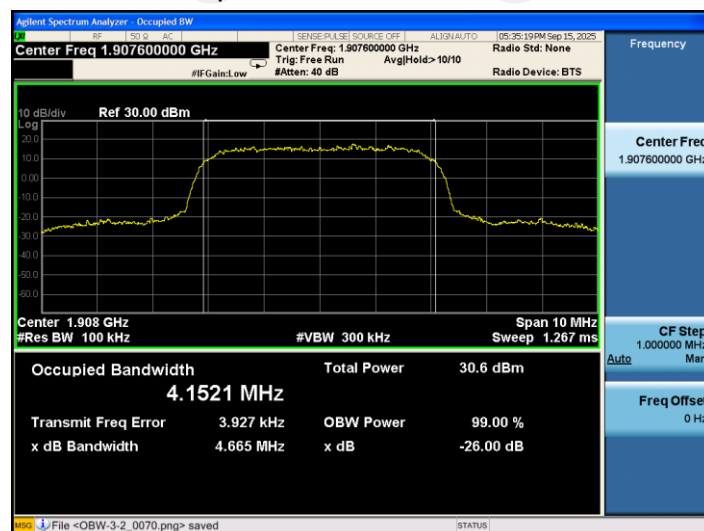
## 26dB&99% Occupied Bandwidth Plot on Channel 9262



## 26dB&99% Occupied Bandwidth Plot on Channel 9400

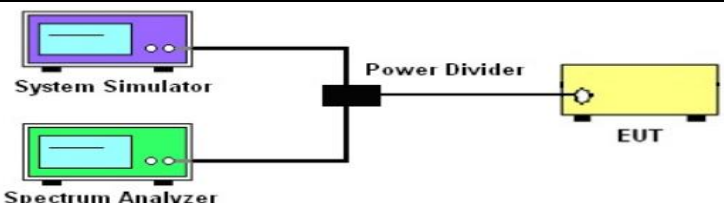


## 26dB&99% Occupied Bandwidth Plot on Channel 9538



## 6.4. Band Edge and Conducted Spurious Emission Measurement

### 6.4.1. Test Specification

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Requirement:</b> | FCC part22.917(a) and FCC part24.238(a)<br>FCC part27.53(g)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Test Method:</b>      | FCC KDB 971168 D01v03r01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Operation mode:</b>   | Refer to item 3.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Limit:</b>            | -13dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Test Setup:</b>       |  <p>The diagram shows a System Simulator (purple box) and a Spectrum Analyzer (green box) connected to a Power Divider (black box). The Power Divider is also connected to the EUT (yellow box).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Test Procedure:</b>   | <ol style="list-style-type: none"> <li>1. The testing follows FCC KDB 971168 D01v03r01 Section 6.0.</li> <li>2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.</li> <li>3. The RF output of EUT was connected to the spectrum analyzer by an RF cable. The path loss was compensated to the results for each measurement.</li> <li>4. The band edges of low and high channels for the highest RF powers were measured.</li> <li>5. The conducted spurious emission for the whole frequency range was taken.</li> <li>6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.</li> <li>7. The limit line is derived from <math>43 + 10\log(P)</math> dB below the transmitter power<br/> <math>P(\text{Watts}) = P(\text{W}) - [43 + 10\log(P)] (\text{dB}) = [30 + 10\log(P)] (\text{dBm}) - [43 + 10\log(P)] (\text{dB}) = -13\text{dBm}.</math> </li> </ol> |
| <b>Test Result:</b>      | PASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

### 6.4.2. Test Instruments

| Equipment          | Manufacturer | Model      | Serial Number | Date of Cal.  | Due Date      |
|--------------------|--------------|------------|---------------|---------------|---------------|
| System simulator   | R&S          | CMU200     | 110188        | Jun. 26, 2025 | Jun. 25, 2026 |
| Spectrum Analyzer  | Agilent      | N9020A     | MY49100619    | Jun. 26, 2025 | Jun. 25, 2026 |
| Power detector box | MWRFTest     | MW100-RFCB | MW210531TCT   | Jan. 21, 2025 | Jan. 20, 2026 |

## 6.4.3. Test data

Test plots as follows:

|       |         |            |                 |
|-------|---------|------------|-----------------|
| Band: | GSM 850 | Test Mode: | GSM Link (GMSK) |
|-------|---------|------------|-----------------|

Lower Band Edge Plot on Channel 128

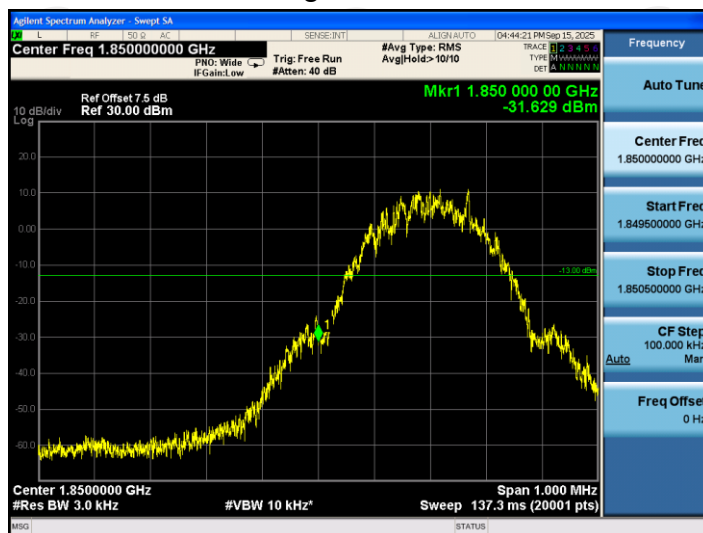


Higher Band Edge Plot on Channel 251

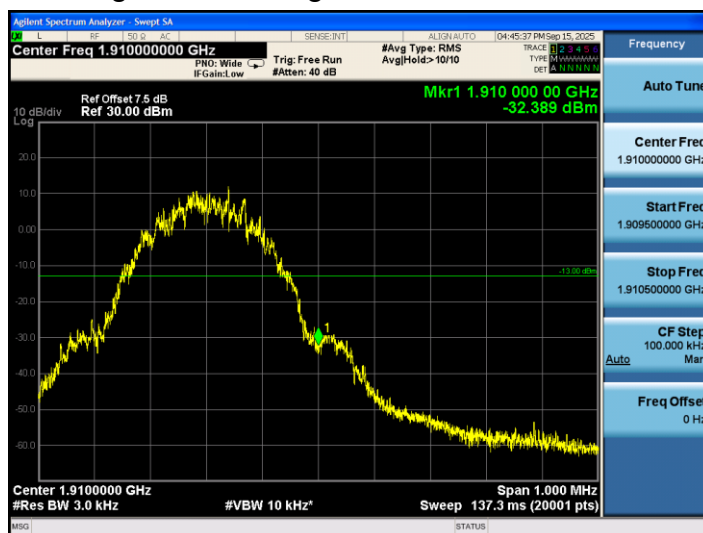


|       |          |            |                 |
|-------|----------|------------|-----------------|
| Band: | GSM 1900 | Test Mode: | GSM Link (GMSK) |
|-------|----------|------------|-----------------|

Lower Band Edge Plot on Channel 512



Higher Band Edge Plot on Channel 810



|       |           |            |                 |
|-------|-----------|------------|-----------------|
| Band: | EGPRS 850 | Test Mode: | GSM Link (GMSK) |
|-------|-----------|------------|-----------------|

Lower Band Edge Plot on Channel 128



Higher Band Edge Plot on Channel 251



|       |            |            |                 |
|-------|------------|------------|-----------------|
| Band: | EGPRS 1900 | Test Mode: | GSM Link (GMSK) |
|-------|------------|------------|-----------------|

Lower Band Edge Plot on Channel 512



Higher Band Edge Plot on Channel 810



|       |              |            |                          |
|-------|--------------|------------|--------------------------|
| Band: | WCDMA Band V | Test Mode: | RMC 12.2Kbps Link (QPSK) |
|-------|--------------|------------|--------------------------|

Lower Band Edge Plot on Channel 4132



Higher Band Edge Plot on Channel 4233



|       |               |            |                          |
|-------|---------------|------------|--------------------------|
| Band: | WCDMA Band IV | Test Mode: | RMC 12.2Kbps Link (QPSK) |
|-------|---------------|------------|--------------------------|

Lower Band Edge Plot on Channel 1312



Higher Band Edge Plot on Channel 1513



|       |               |            |                          |
|-------|---------------|------------|--------------------------|
| Band: | WCDMA Band II | Test Mode: | RMC 12.2Kbps Link (QPSK) |
|-------|---------------|------------|--------------------------|

Lower Band Edge Plot on Channel 9262



Higher Band Edge Plot on Channel 9538



Band:

WCDMA Band V

Test Mode:

HSDPA

## Lower Band Edge Plot on Channel 4132



## Higher Band Edge Plot on Channel 4233



|       |               |            |       |
|-------|---------------|------------|-------|
| Band: | WCDMA Band IV | Test Mode: | HSDPA |
|-------|---------------|------------|-------|

Lower Band Edge Plot on Channel 1312



Higher Band Edge Plot on Channel 1513



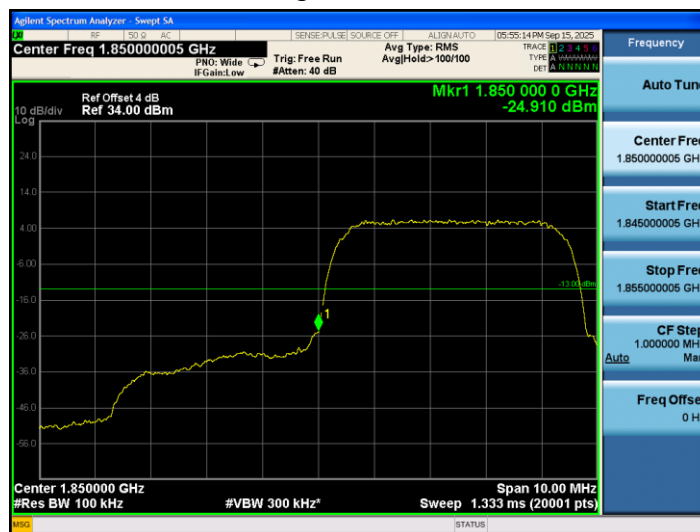
Band:

WCDMA Band II

Test Mode:

HSDPA

## Lower Band Edge Plot on Channel 9262



## Higher Band Edge Plot on Channel 9538



Band:

WCDMA Band V

Test Mode:

HSUPA

## Lower Band Edge Plot on Channel 4132



## Higher Band Edge Plot on Channel 4233



|       |               |            |       |
|-------|---------------|------------|-------|
| Band: | WCDMA Band IV | Test Mode: | HSUPA |
|-------|---------------|------------|-------|

Lower Band Edge Plot on Channel 1312



Higher Band Edge Plot on Channel 1513



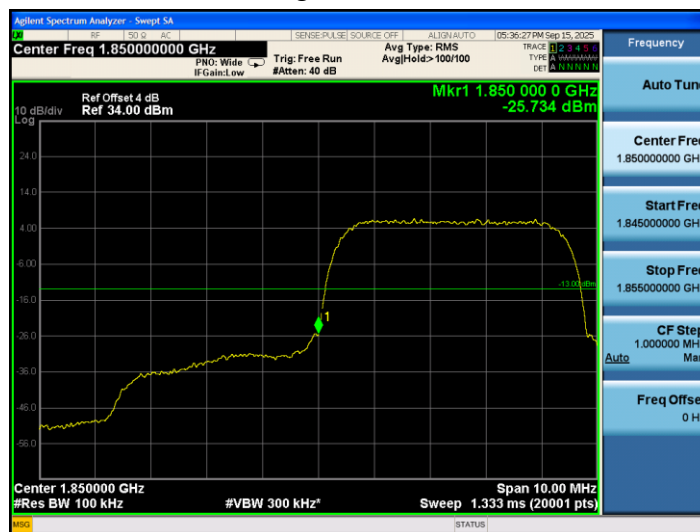
Band:

WCDMA Band II

Test Mode:

HSUPA

## Lower Band Edge Plot on Channel 9262



## Higher Band Edge Plot on Channel 9538



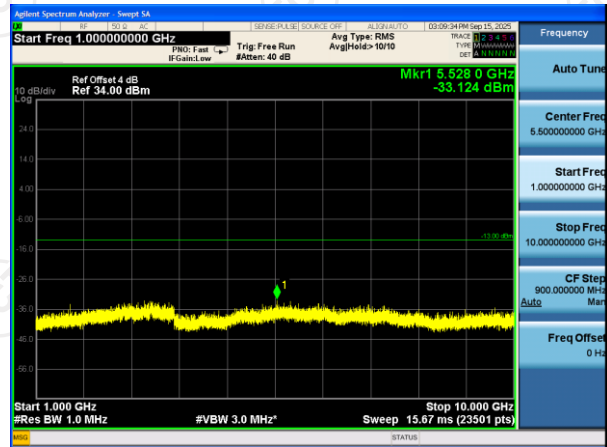
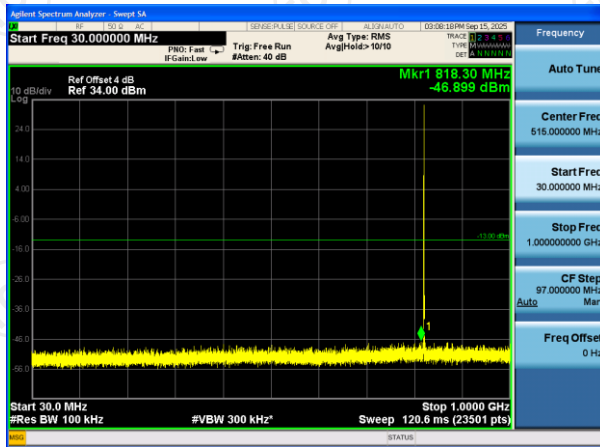
Band:

GSM 850

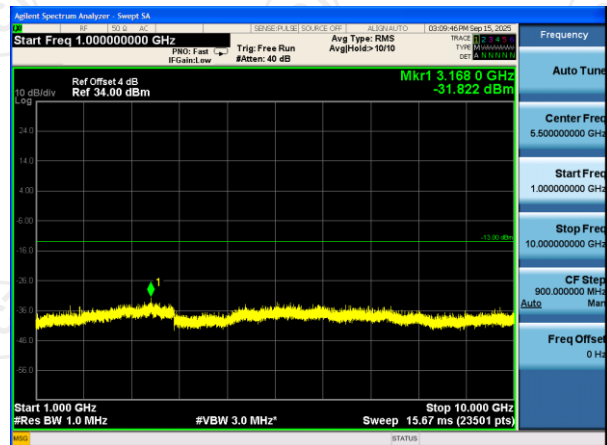
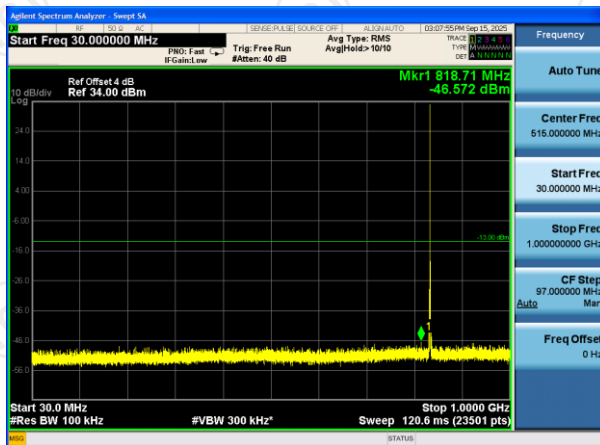
Test Mode:

GSM Link (GMSK)

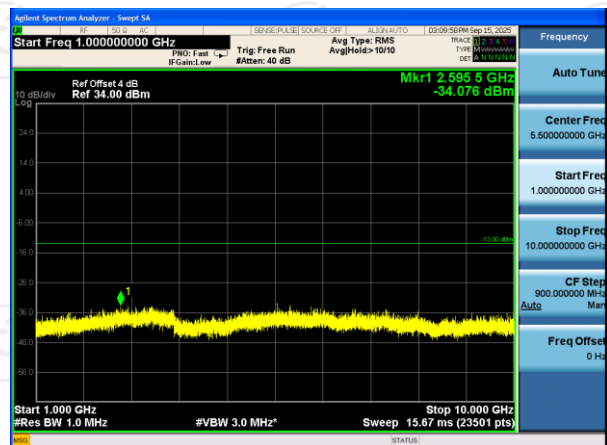
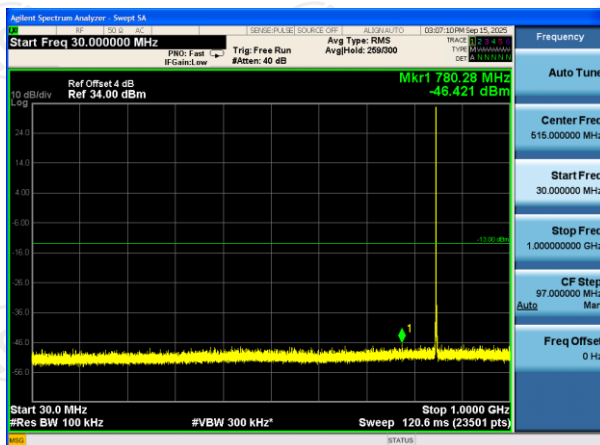
## Conducted Spurious Emission on Channel 128



## Conducted Spurious Emission on Channel 190



## Conducted Spurious Emission on Channel 251



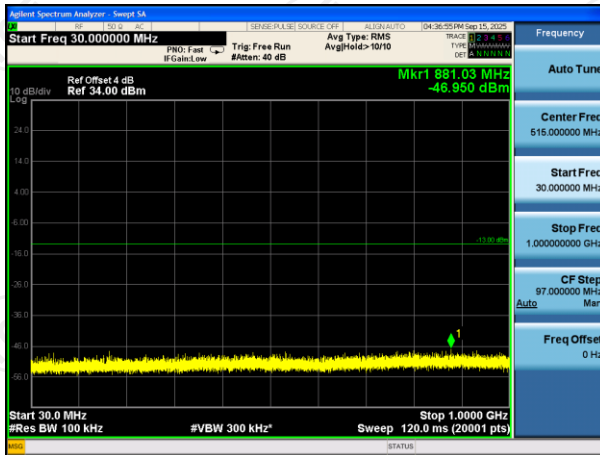
Band:

GSM 1900

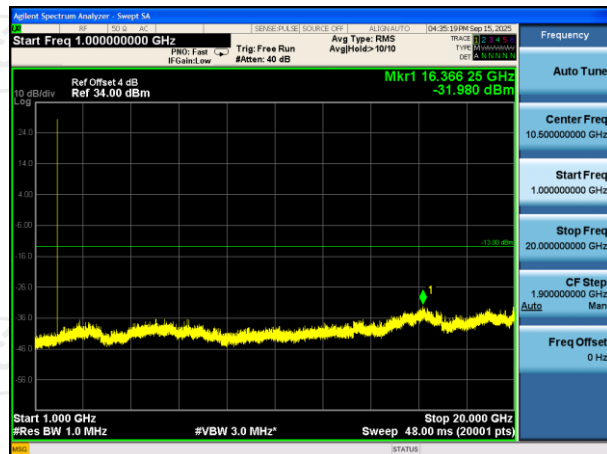
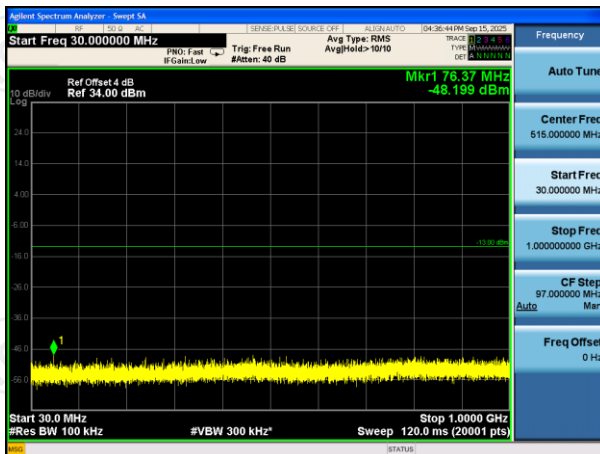
Test Mode:

GSM Link (GMSK)

## Conducted Spurious Emission on Channel 512



## Conducted Spurious Emission on Channel 661



## Conducted Spurious Emission on Channel 810

