

# TEST REPORT

## TAS ALGORITHM COMPLIANCE TEST REPORT

|                        |                        |
|------------------------|------------------------|
| EUT Description        | Notebook               |
| Brand Name             | HP                     |
| Model Name             | HSC-I001R              |
| FCC ID                 | ZMOL850GL              |
| Date of Test Start/End | 2021-06-22 /2021-07-07 |
| Features               | LTE, WCDMA             |

|                      |                                              |
|----------------------|----------------------------------------------|
| Applicant            | HP Inc.                                      |
| Address              | 1501 Page Mill Road, Palo Alto CA 94304, USA |
| Contact Person       | Sam Lin                                      |
| Telephone/Fax/ Email | +886 2 37896331/sam.lin2@hp.com              |

|                            |                                                                                 |
|----------------------------|---------------------------------------------------------------------------------|
| Test Report identification | 210526-01.TR02                                                                  |
| Revision Control           | Rev. 00<br>This test report revision replaces any previous test report revision |

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# 1. Test Setup Description

## 1.1. Measurement System

The conducted power measurement test setup is described in the following and illustrated in Figure 1

- The DUT which is a Fibocom M2 L850-GL module contains the XMM 7360 Cellular Modem and installed inside HP model HSC-I001R convertible notebook.
- The control PC is used to configure the Call Box to send power control test sequences to the XMM 7360
- Uplink signal power is monitored by the Spectrum Analyzer and record by the PC with a time resolution of 25 msec which is substantially less than the power adjustment interval (Avg\_SAR\_Check\_Period) of 1 sec used for XMM 7360.
- The values of Avg\_SAR\_Power are read from the XMM 7360 by the PC at each Avg\_SAR\_Check\_Period
- In addition to power results, the time sequence of power control commands and power samples are also recorded by the PC to enable results to be correlated and plotted. Uplink signal from the XMM 7360 is fed through a 3 dB Power Splitter, which delivers an equal amount of signal to the Spectrum Analyser and the Call Box. The Splitter has high isolation between the Spectrum Analyser and the Call Box. Due to different Uplink/Downlink frequencies and the zero-span time-domain measurement used, interference of Uplink and Downlink signals is avoided.
- Path loss in the power measurement setup from the XMM 7360 Main Antenna port to either the Call Box or the Spectrum Analyser is taken into account

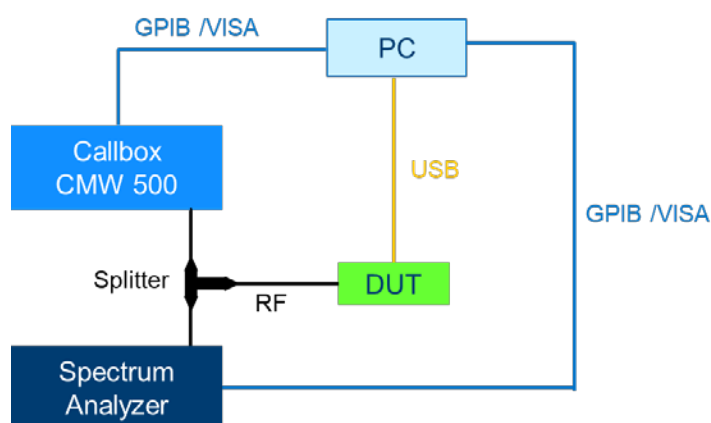


Figure 1 - Test Setup

## 1.2. Equipments List

The Equipments used for the conducted power measurement test setup are listed in Table below.

| ID      | Device               | Type/Model | Serial | Manufacturer    | Cal. Date                                | Cal. Due Date |
|---------|----------------------|------------|--------|-----------------|------------------------------------------|---------------|
| 135-000 | Communication Tester | CMW500     | 129337 | Rohde & Schwarz | 2020-03-26                               | 2022-03-26    |
| 159-000 | Spectrum Analyzer    | FSV40      | 101072 | Rohde & Schwarz | 2019-09-13                               | 2021-09-13    |
| -       | Power Divider        | PE2083     | -      | Pasternack      | Attenuation and loss verified before use |               |

### 1.3. Test Samples

| Sample | ID            | Description                                    | Model     | Serial     | Note                    |
|--------|---------------|------------------------------------------------|-----------|------------|-------------------------|
| #1     | 210526-01.S03 | Convertible PC with XMM7360<br>Module Embedded | HSC-I001R | 00017602C6 | Used for all test cases |

### 1.4. Software / Firmware

| Firmware | Version                       |
|----------|-------------------------------|
| Intel    | M2_7360_MR4_01.2109.00        |
| Fibocom  | 18500.5001.00.05.27.97 v1.0.4 |

## 2. Test Results

### 2.1. Summary of Test Cases

The following table lists the types of TAS algorithm validation tests performed and the corresponding Tables describing the test configurations and validation results.

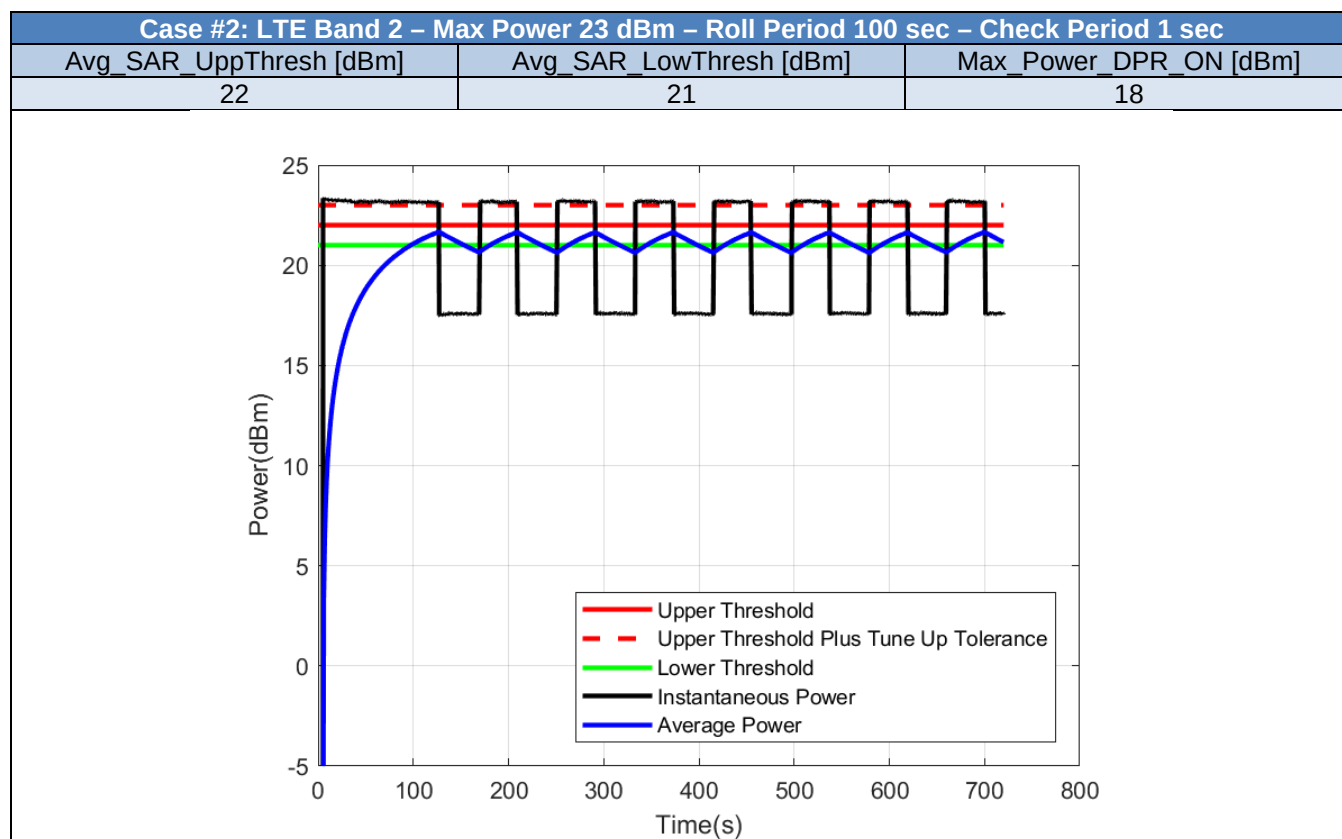
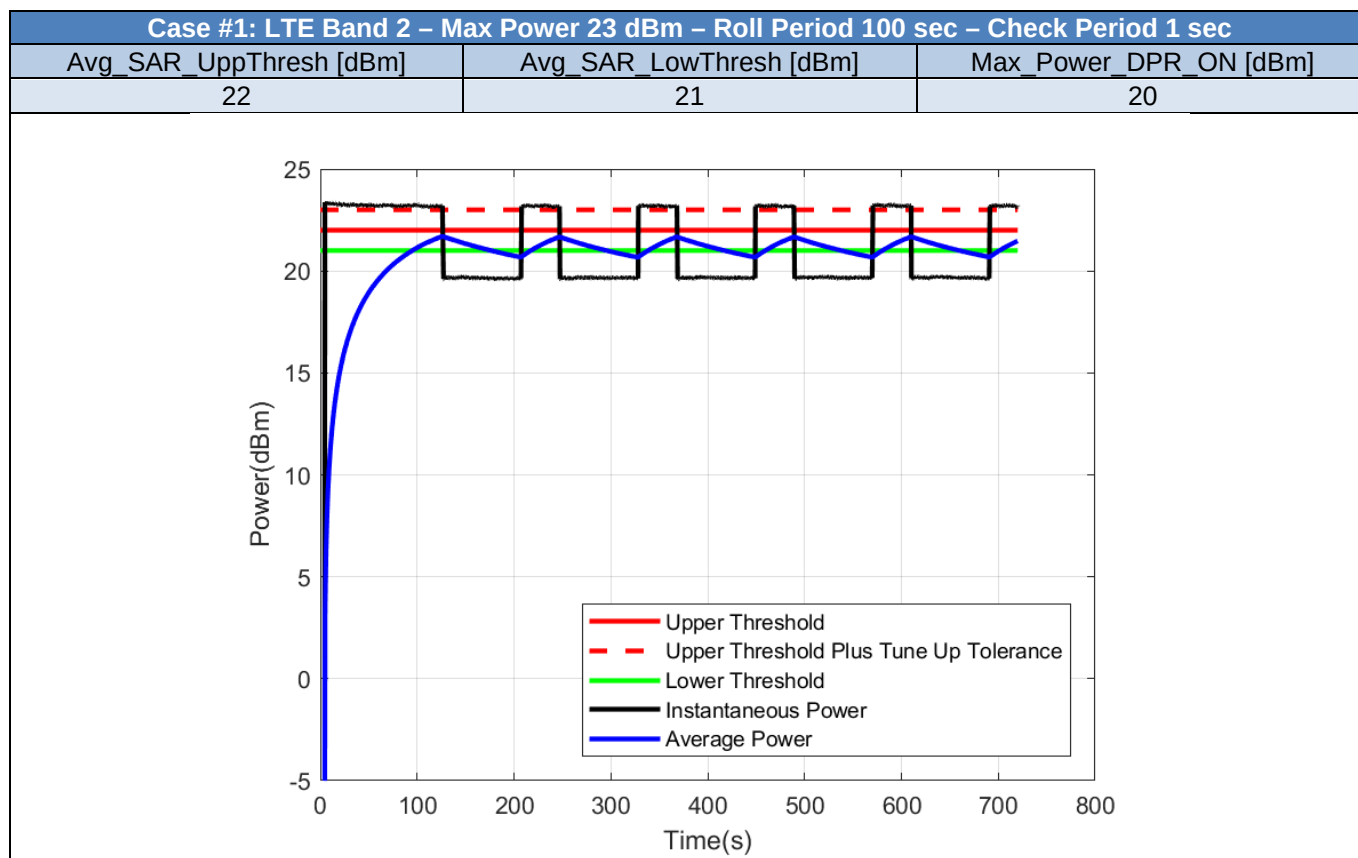
| Validation type                 | RAT       | Configurations | Results      | Verdict |
|---------------------------------|-----------|----------------|--------------|---------|
| TAS Parameters Range Compliance | LTE       | Table 1        | Section 2.2  | Pass    |
| TAS Parameters Range Compliance | WCDMA     | Table 2        | Section 2.3  | Pass    |
| Bands Compliance                | LTE       | Table 3        | Section 2.4  | Pass    |
| Bands Compliance                | WCDMA     | Table 4        | Section 2.5  | Pass    |
| Time Varying Test Sequence      | LTE       | Table 5        | Section 2.6  | Pass    |
| Time Varying Test Sequence      | WCDMA     | Table 6        | Section 2.7  | Pass    |
| Handover                        | LTE-LTE   | Table 7        | Section 2.8  | Pass    |
| Handover                        | LTE-WCDMA | Table 8        | Section 2.9  | Pass    |
| Call Drop and Reboot            | LTE       | Table 9        | Section 2.10 | Pass    |

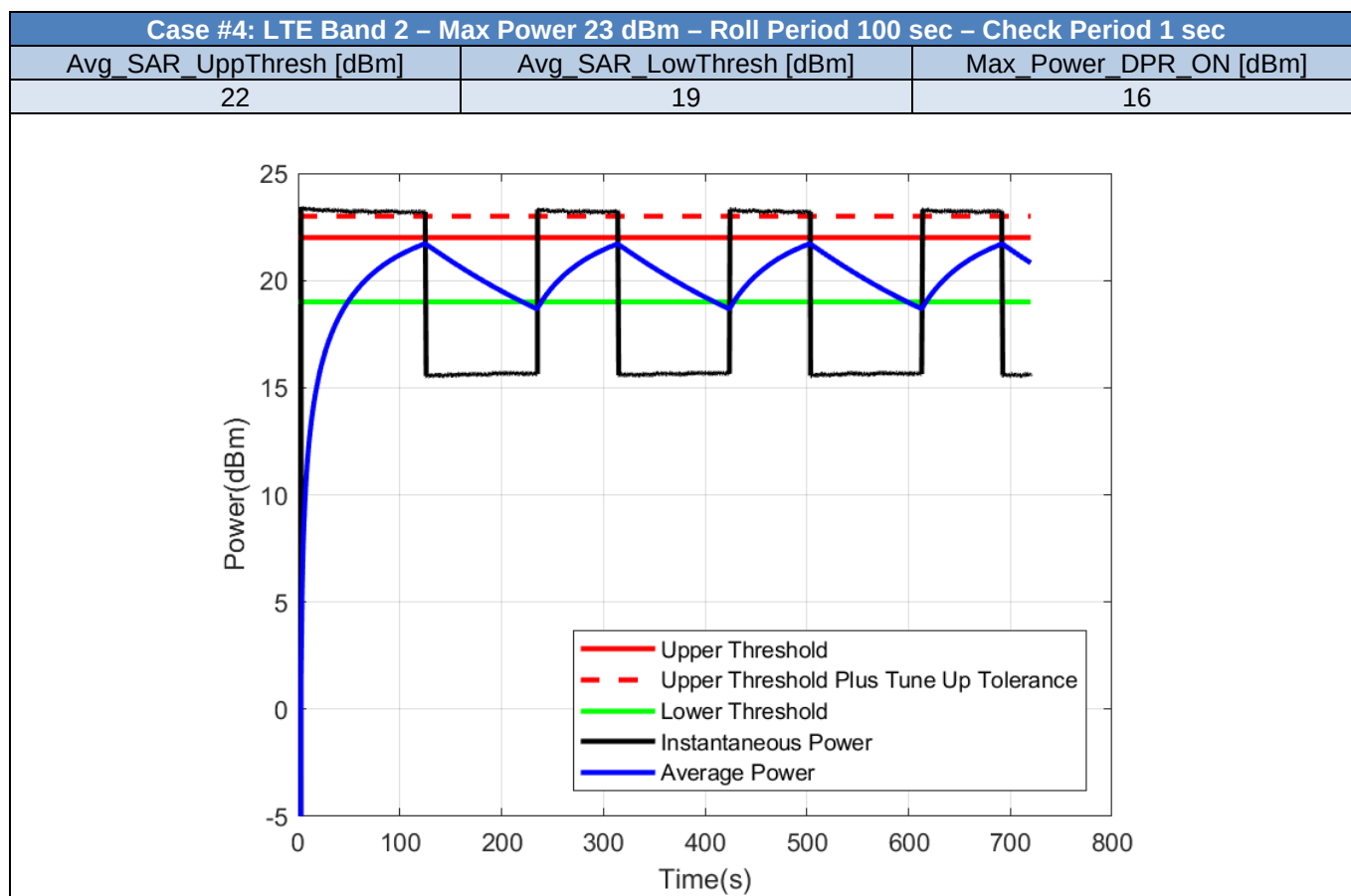
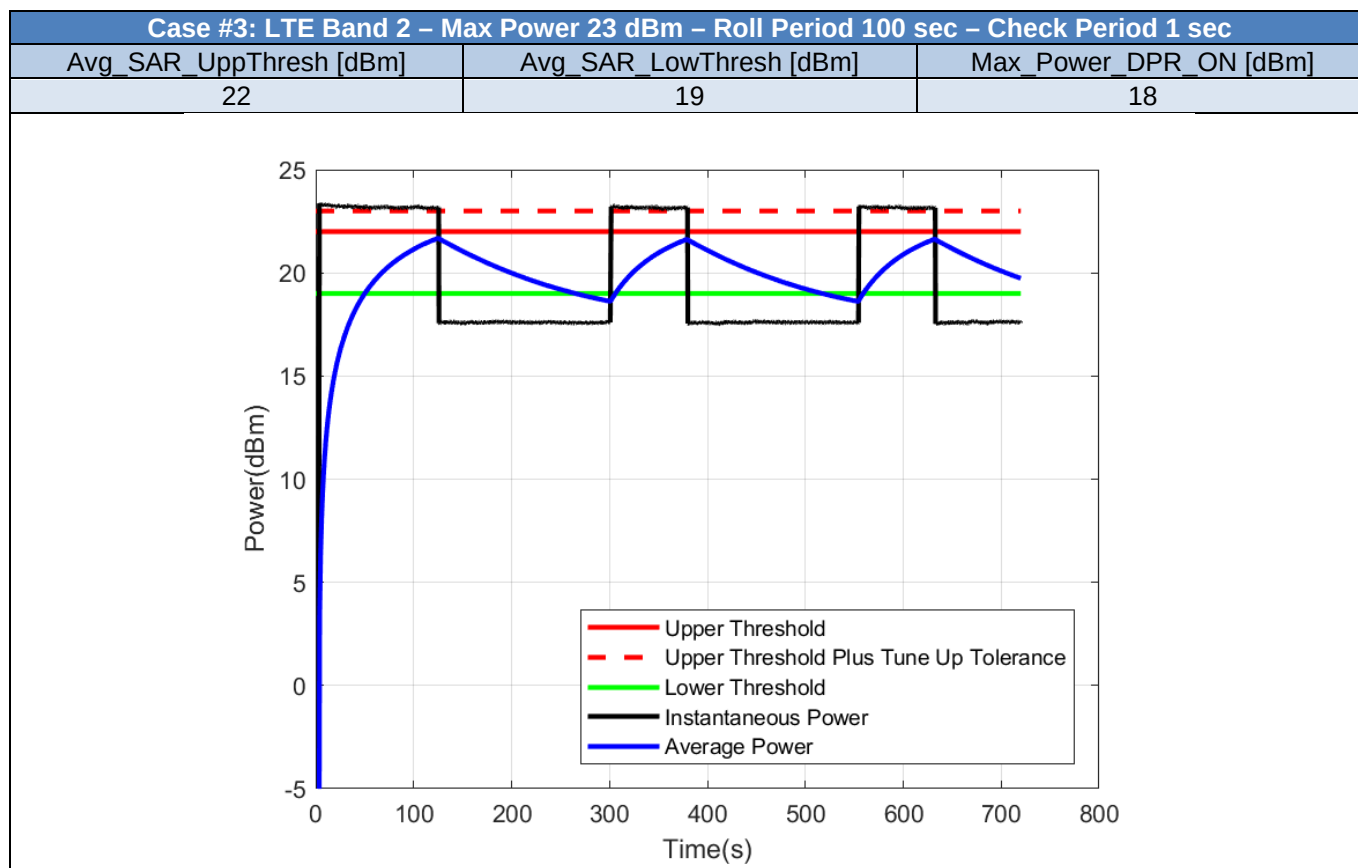
## 2.2. TAS Parameters Range Compliance - LTE

**Table 1 - Test Cases for TAS Parameters Range Compliance of LTE bands**

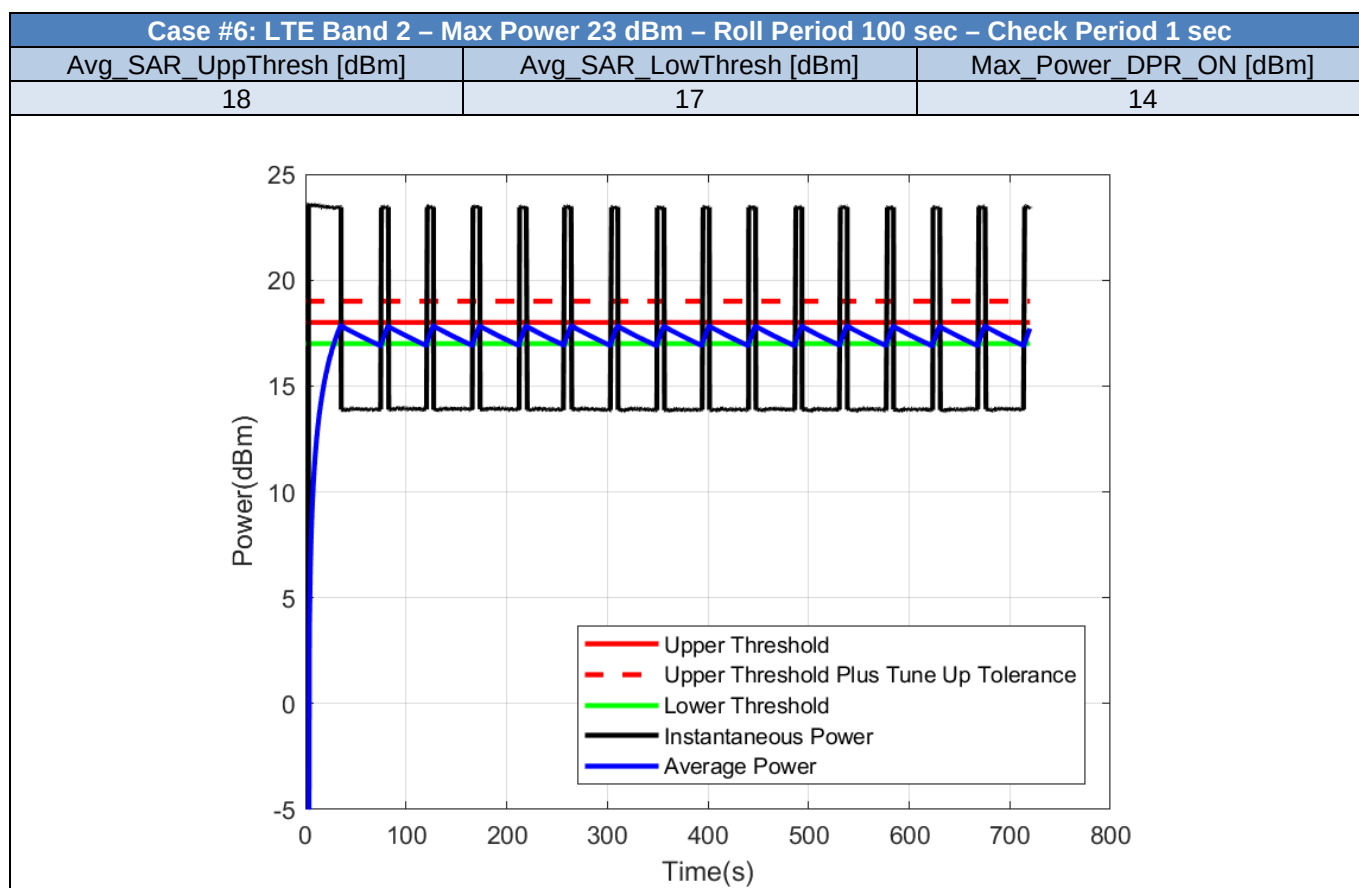
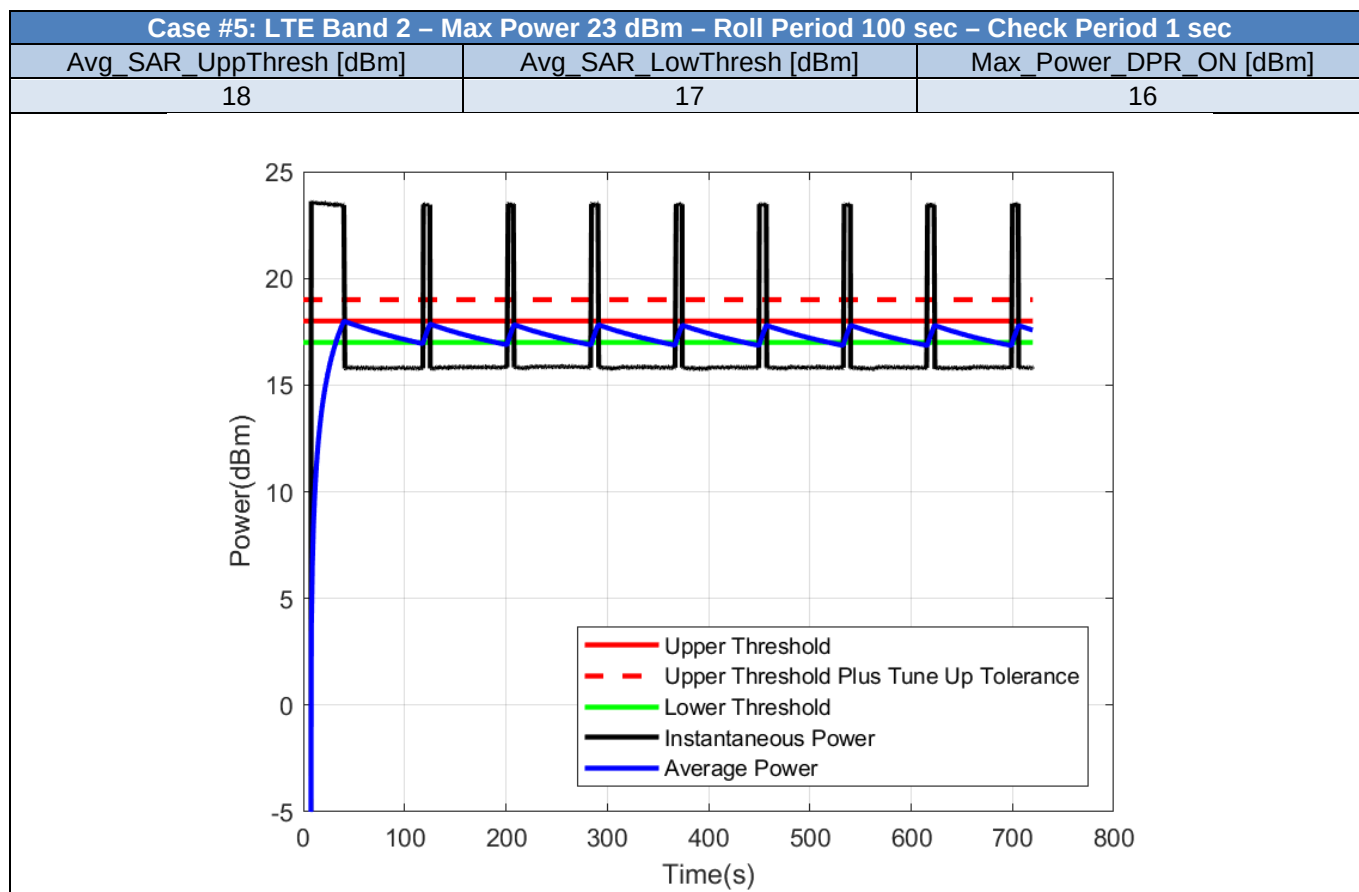
| Case | RAT | Band | Max_Power_DP<br>R_OFF_dBm | Roll_Period_s | Check_Period_<br>s | Avg_SAR_UppT<br>hresh_dBm | Avg_SAR_Low<br>Thresh_dBm | Max_Power_DP<br>R_ON_dBm |
|------|-----|------|---------------------------|---------------|--------------------|---------------------------|---------------------------|--------------------------|
| 1    | LTE | 2    | 23                        | 100           | 1                  | 22                        | 21                        | 20                       |
| 2    | LTE | 2    | 23                        | 100           | 1                  | 22                        | 21                        | 18                       |
| 3    | LTE | 2    | 23                        | 100           | 1                  | 22                        | 19                        | 18                       |
| 4    | LTE | 2    | 23                        | 100           | 1                  | 22                        | 19                        | 16                       |
| 5    | LTE | 2    | 23                        | 100           | 1                  | 18                        | 17                        | 16                       |
| 6    | LTE | 2    | 23                        | 100           | 1                  | 18                        | 17                        | 14                       |
| 7    | LTE | 2    | 23                        | 100           | 1                  | 18                        | 15                        | 14                       |
| 8    | LTE | 2    | 23                        | 100           | 1                  | 18                        | 15                        | 12                       |
| 9    | LTE | 2    | 23                        | 100           | 1                  | 13                        | 12                        | 11                       |
| 10   | LTE | 2    | 23                        | 100           | 1                  | 13                        | 12                        | 9                        |
| 11   | LTE | 2    | 23                        | 100           | 1                  | 13                        | 10                        | 9                        |
| 12   | LTE | 2    | 23                        | 100           | 1                  | 13                        | 10                        | 7                        |
| 13   | LTE | 2    | 23                        | 360           | 1                  | 18                        | 17                        | 14                       |

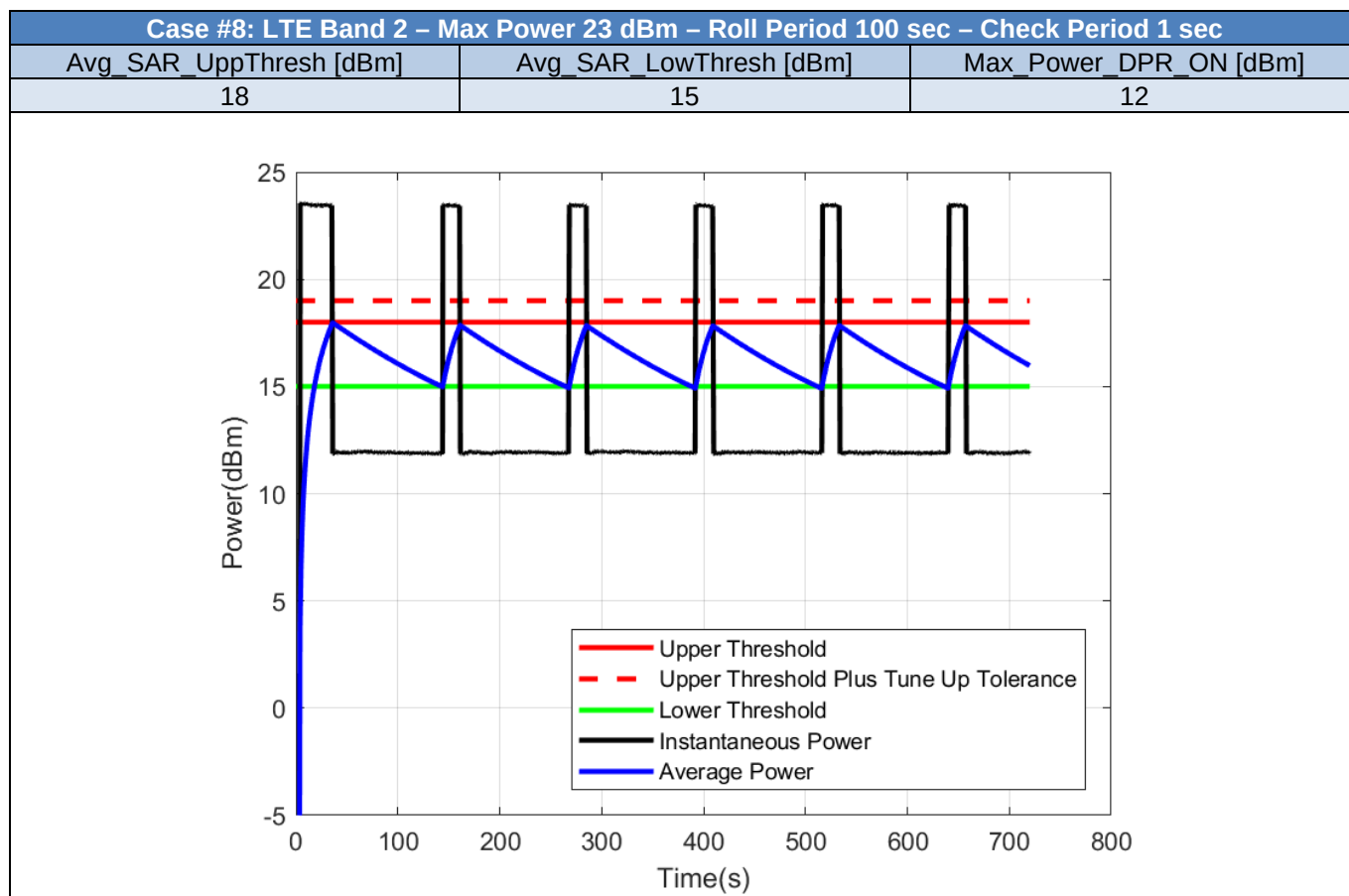
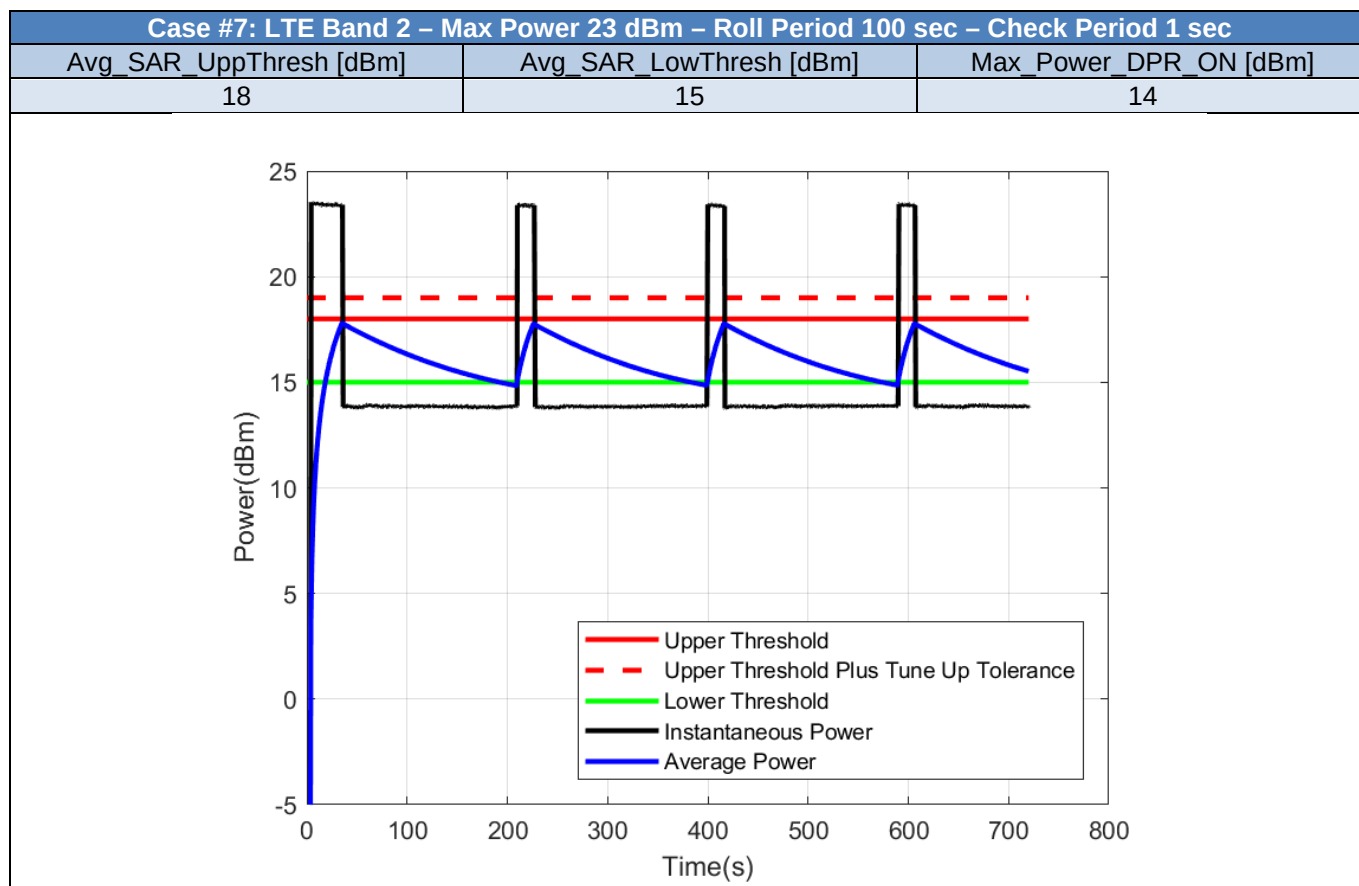
*Note: The Average power is calculated using the measured instantaneous power and compared to the UpperThreshold Plus Tune-Up Tolerance. This is applied for all the test cases in this report.*

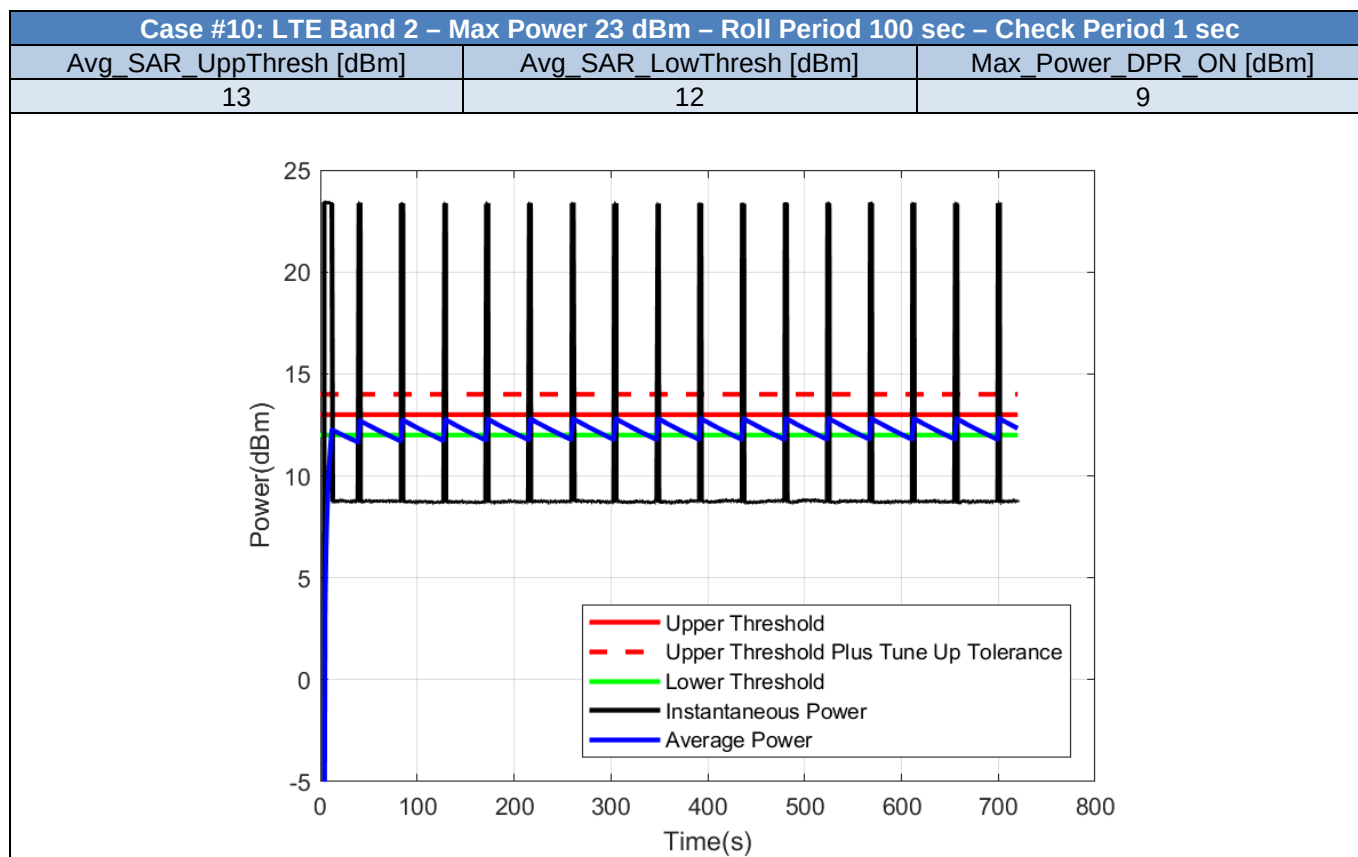
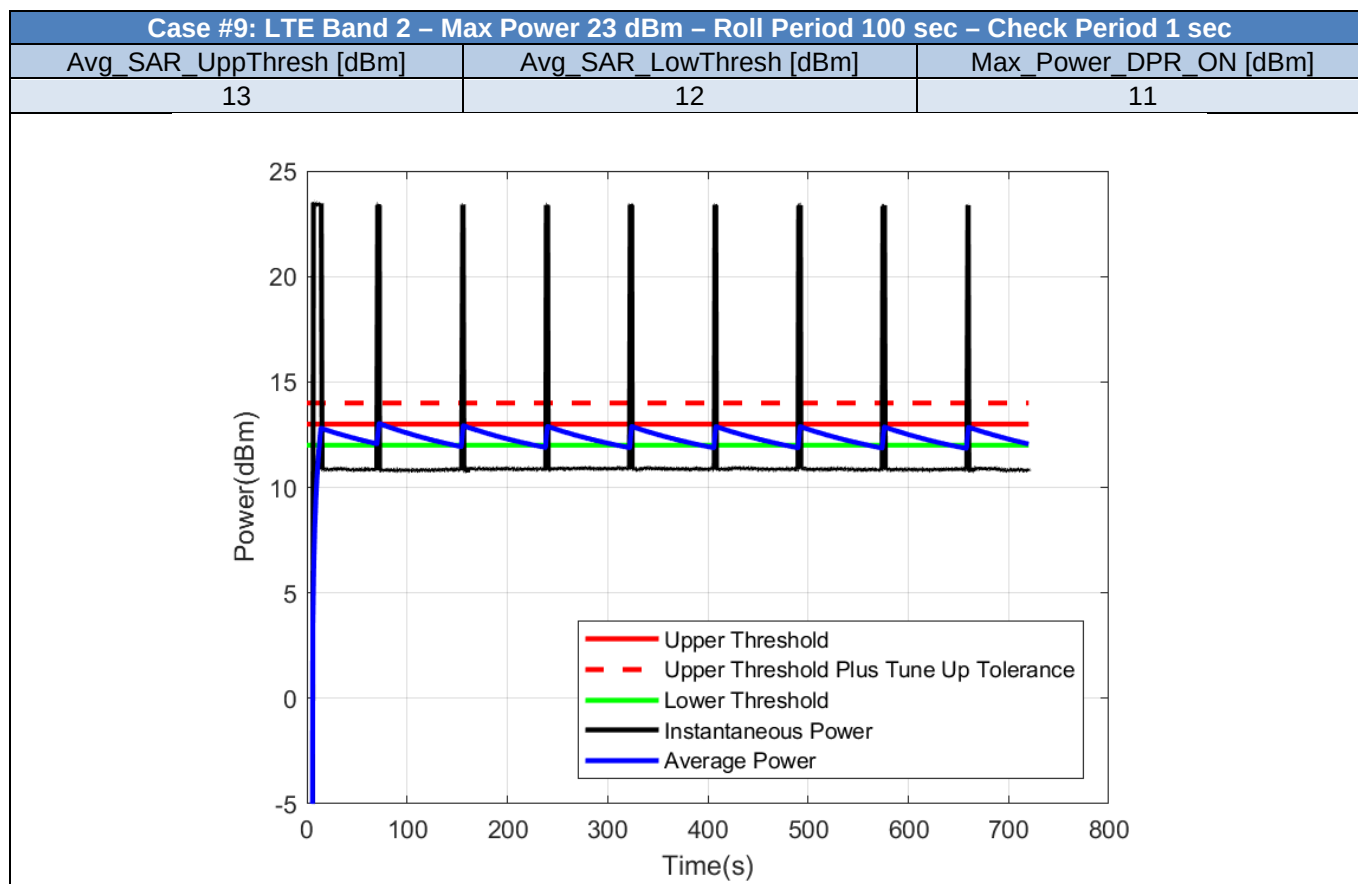


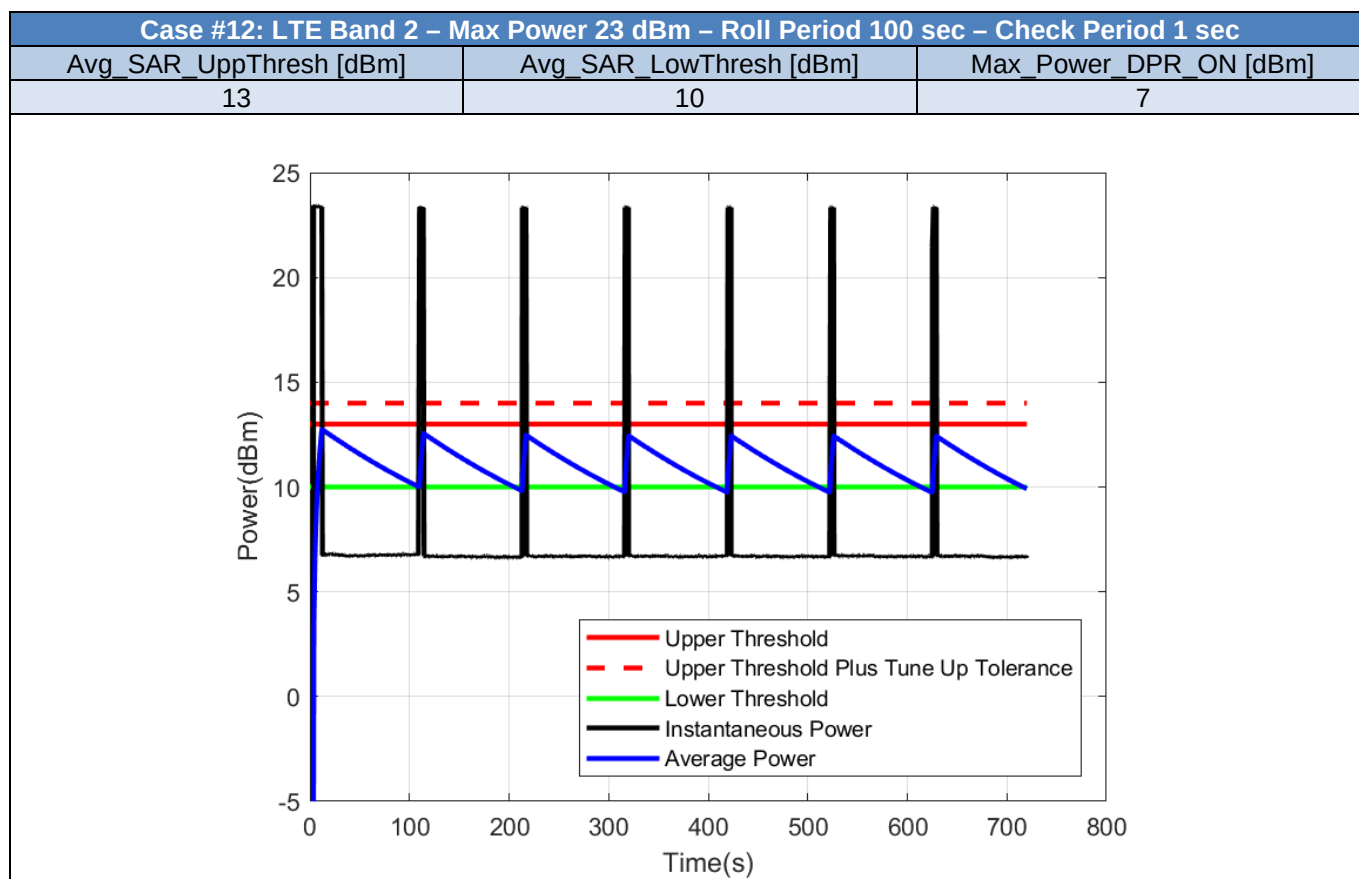
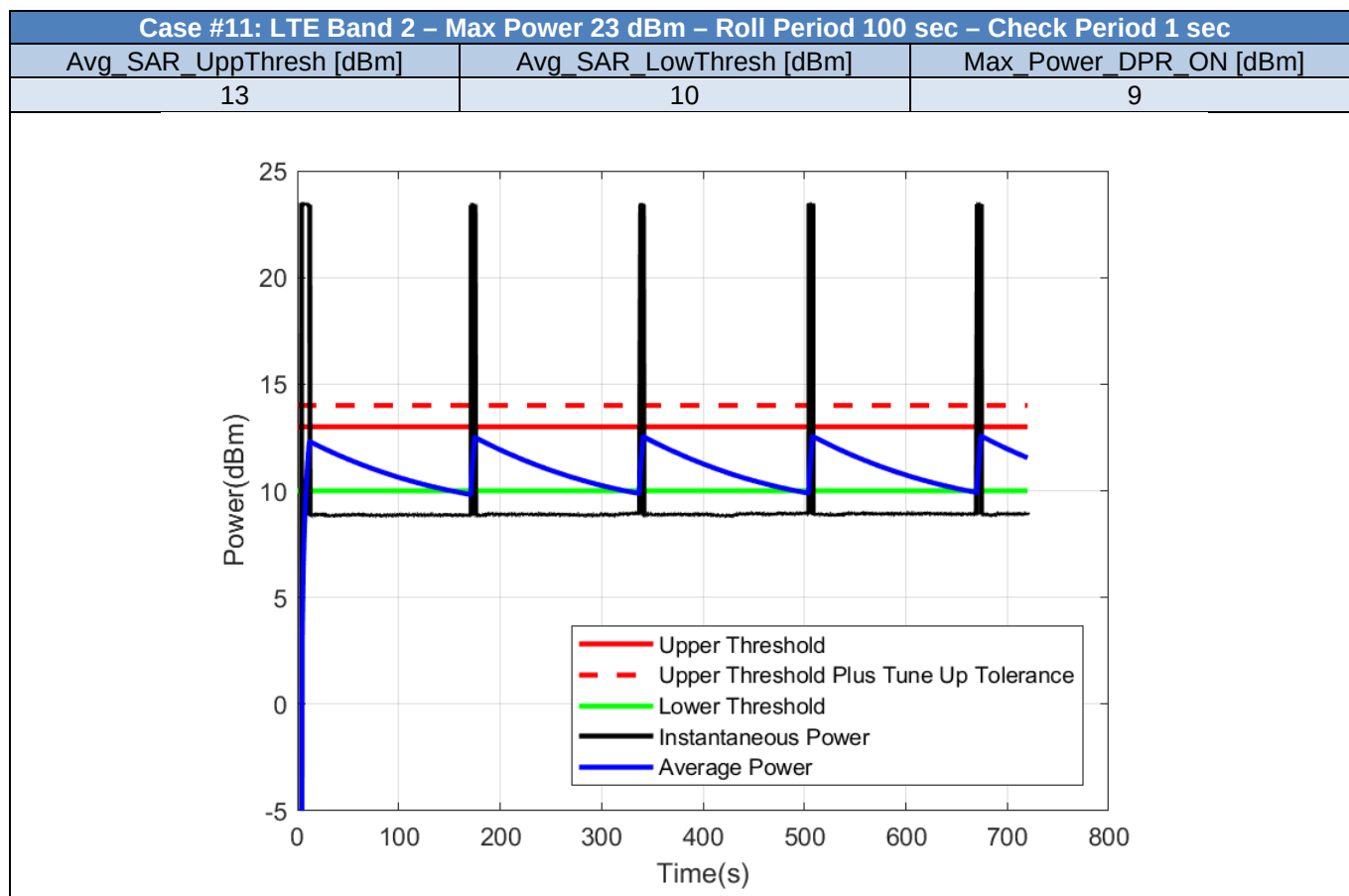


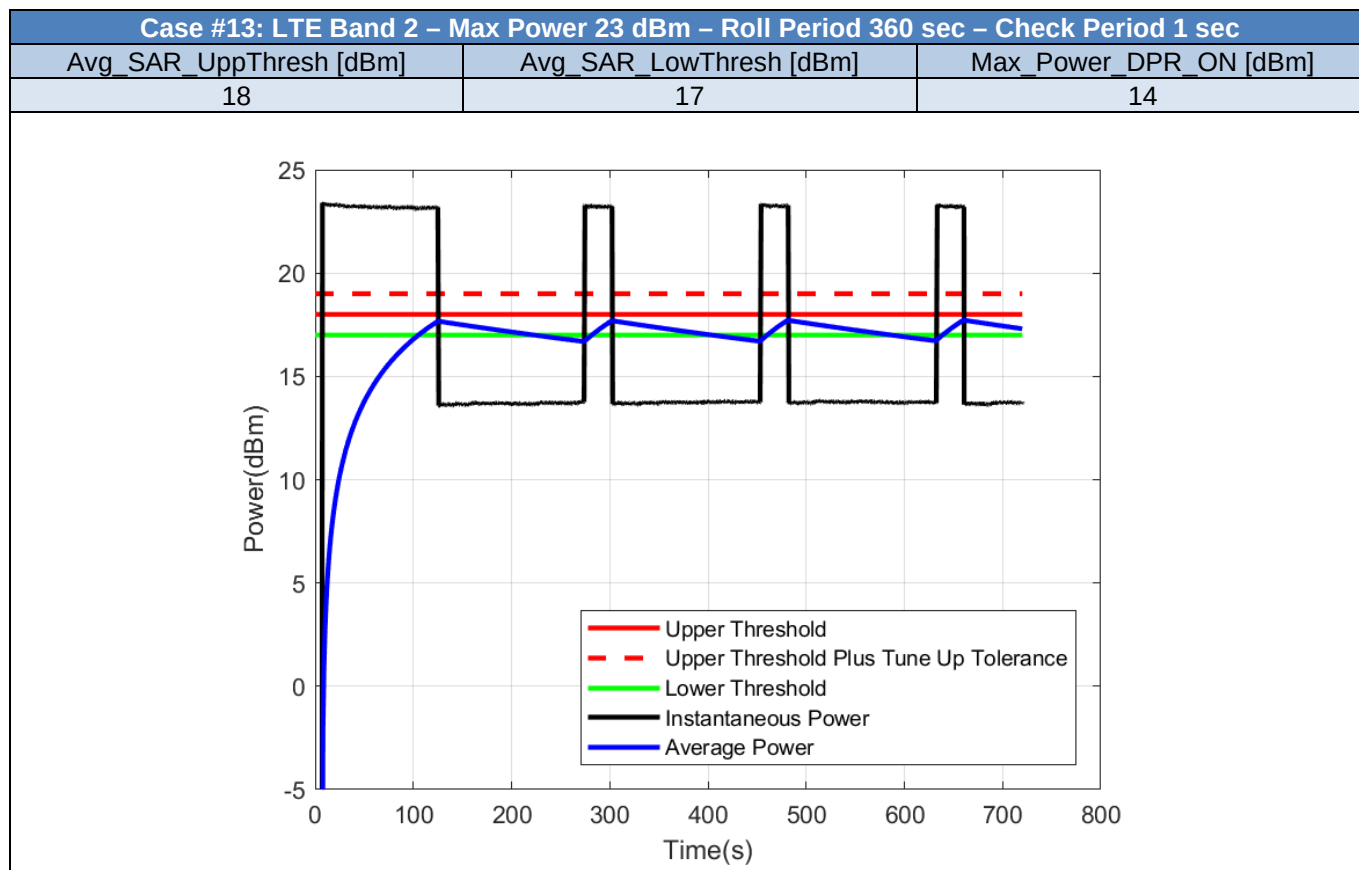












### 2.3. TAS Parameters Range Compliance - WCDMA

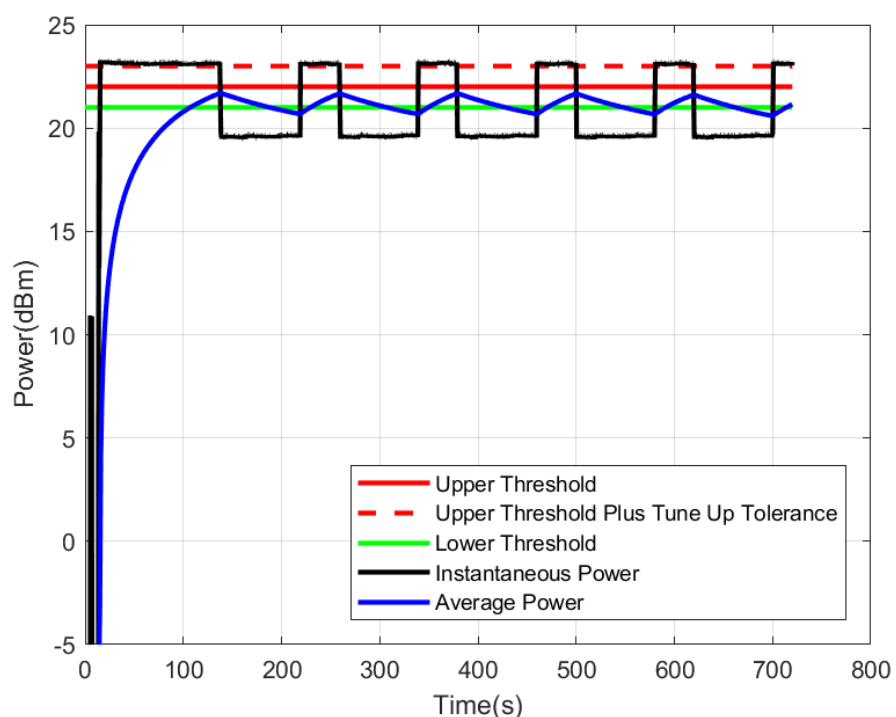
**Table 2 - Test Cases for TAS Parameters Range Compliance of WCDMA bands**

| Case | RAT   | Band | Max_Power_DPR_OFF_dBm | Roll_Period_s | Check_Period_s | Avg_SAR_UpperThresh_dBm | Avg_SAR_LowerThresh_dBm | Max_Power_DPR_ON_dBm |
|------|-------|------|-----------------------|---------------|----------------|-------------------------|-------------------------|----------------------|
| 14   | WCDMA | 2    | 23.5                  | 100           | 1              | 22                      | 21                      | 20                   |
| 15   | WCDMA | 2    | 23.5                  | 100           | 1              | 22                      | 21                      | 18                   |
| 16   | WCDMA | 2    | 23.5                  | 100           | 1              | 22                      | 19                      | 18                   |
| 17   | WCDMA | 2    | 23.5                  | 100           | 1              | 22                      | 19                      | 16                   |
| 18   | WCDMA | 2    | 23.5                  | 100           | 1              | 18                      | 17                      | 16                   |
| 19   | WCDMA | 2    | 23.5                  | 100           | 1              | 18                      | 17                      | 14                   |
| 20   | WCDMA | 2    | 23.5                  | 100           | 1              | 18                      | 15                      | 14                   |
| 21   | WCDMA | 2    | 23.5                  | 100           | 1              | 18                      | 15                      | 12                   |
| 22   | WCDMA | 2    | 23.5                  | 100           | 1              | 13                      | 12                      | 11                   |
| 23   | WCDMA | 2    | 23.5                  | 100           | 1              | 13                      | 12                      | 9                    |
| 24   | WCDMA | 2    | 23.5                  | 100           | 1              | 13                      | 10                      | 9                    |
| 25   | WCDMA | 2    | 23.5                  | 100           | 1              | 13                      | 10                      | 7                    |
| 26   | WCDMA | 2    | 23.5                  | 360           | 1              | 18                      | 17                      | 14                   |

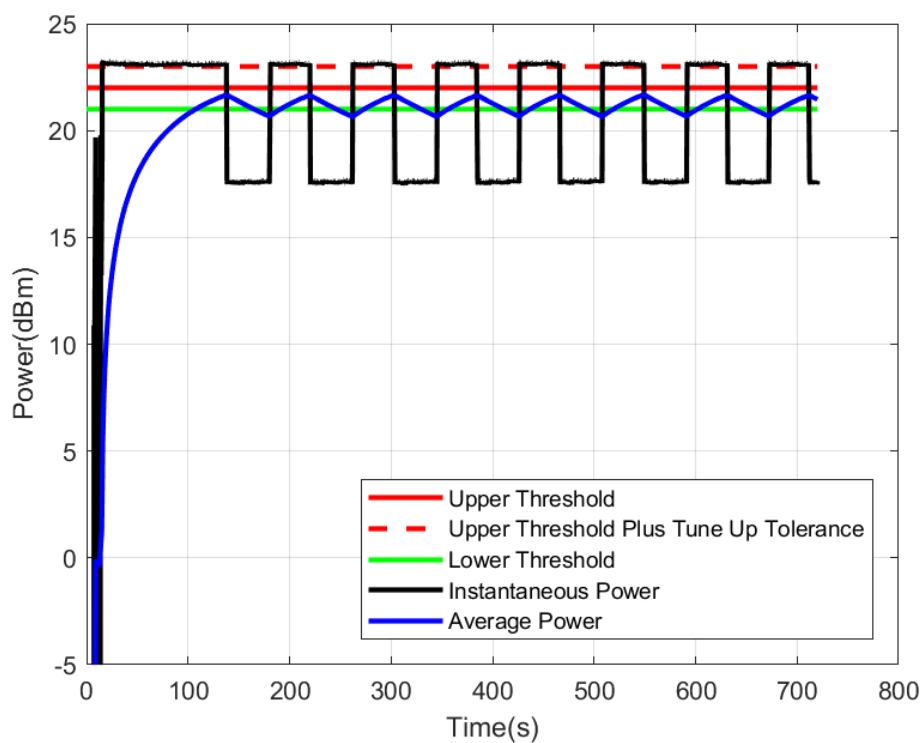
*Note: The Average power is calculated using the measured instantaneous power and compared to the UpperThreshold Plus Tune-Up Tolerance. This is applied for all the test cases in this report.*

**Case #14: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec**

| Avg_SAR_UppThresh [dBm] | Avg_SAR_LowThresh [dBm] | Max_Power_DPR_ON [dBm] |
|-------------------------|-------------------------|------------------------|
| 22                      | 21                      | 20                     |


**Case #15: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec**

| Avg_SAR_UppThresh [dBm] | Avg_SAR_LowThresh [dBm] | Max_Power_DPR_ON [dBm] |
|-------------------------|-------------------------|------------------------|
| 22                      | 21                      | 18                     |



**Case #16: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

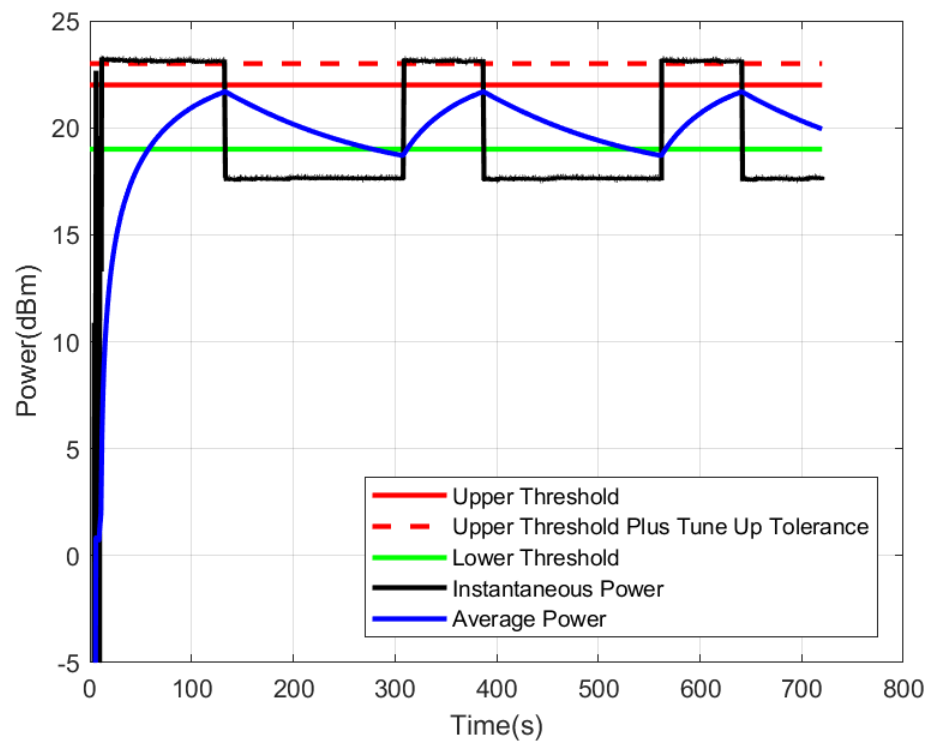
22

Avg\_SAR\_LowThresh [dBm]

19

Max\_Power\_DPR\_ON [dBm]

18


**Case #17: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

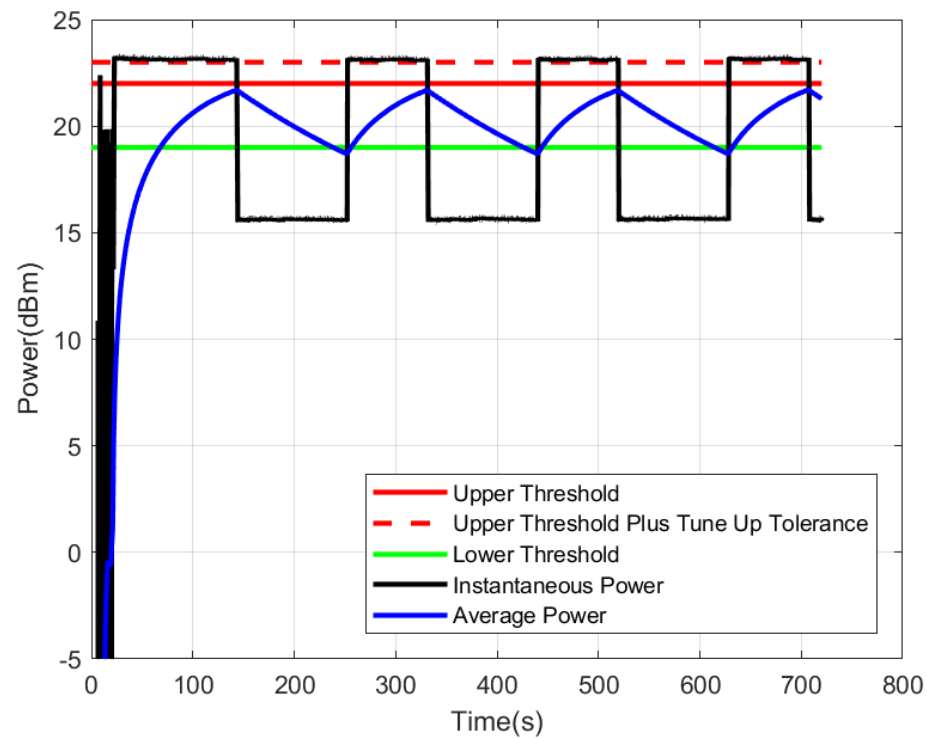
22

Avg\_SAR\_LowThresh [dBm]

19

Max\_Power\_DPR\_ON [dBm]

16





**Case #18: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

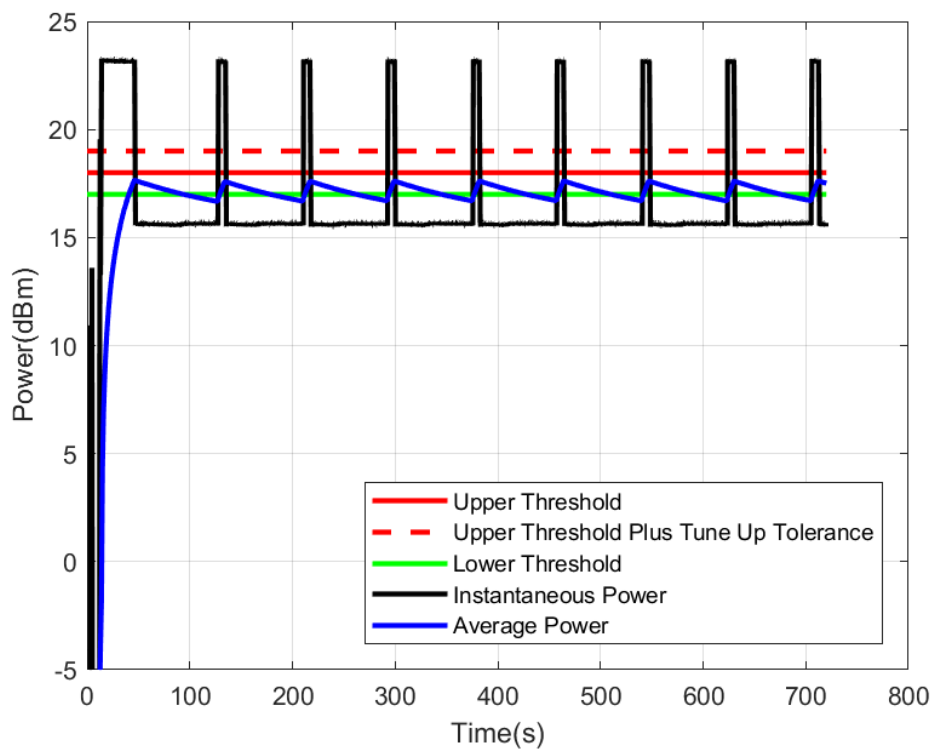
Avg\_SAR\_LowThresh [dBm]

Max\_Power\_DPR\_ON [dBm]

18

17

16


**Case #19: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

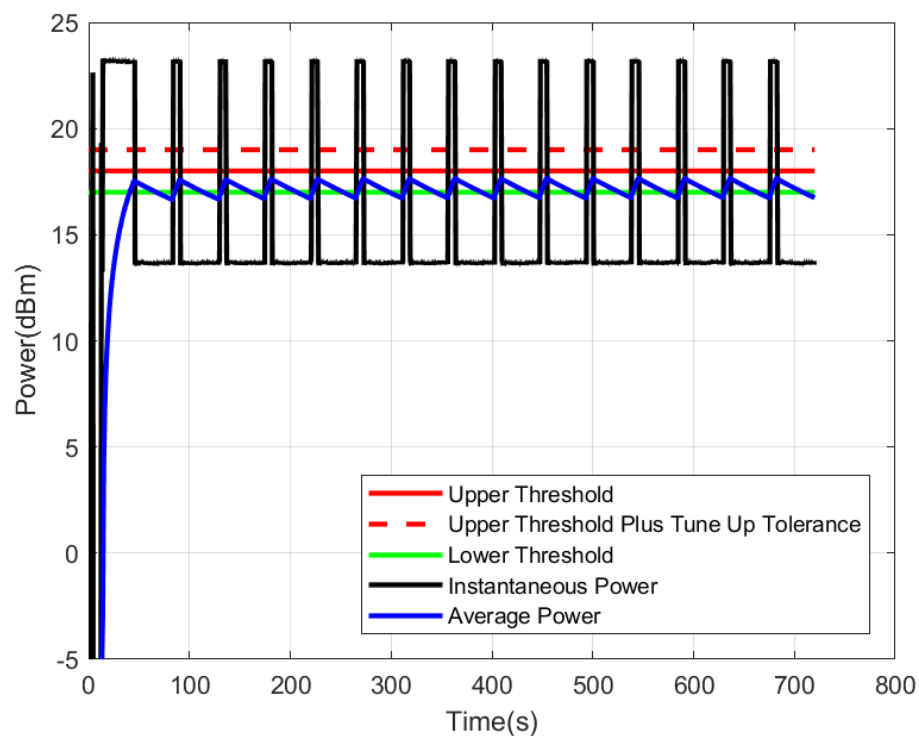
Avg\_SAR\_LowThresh [dBm]

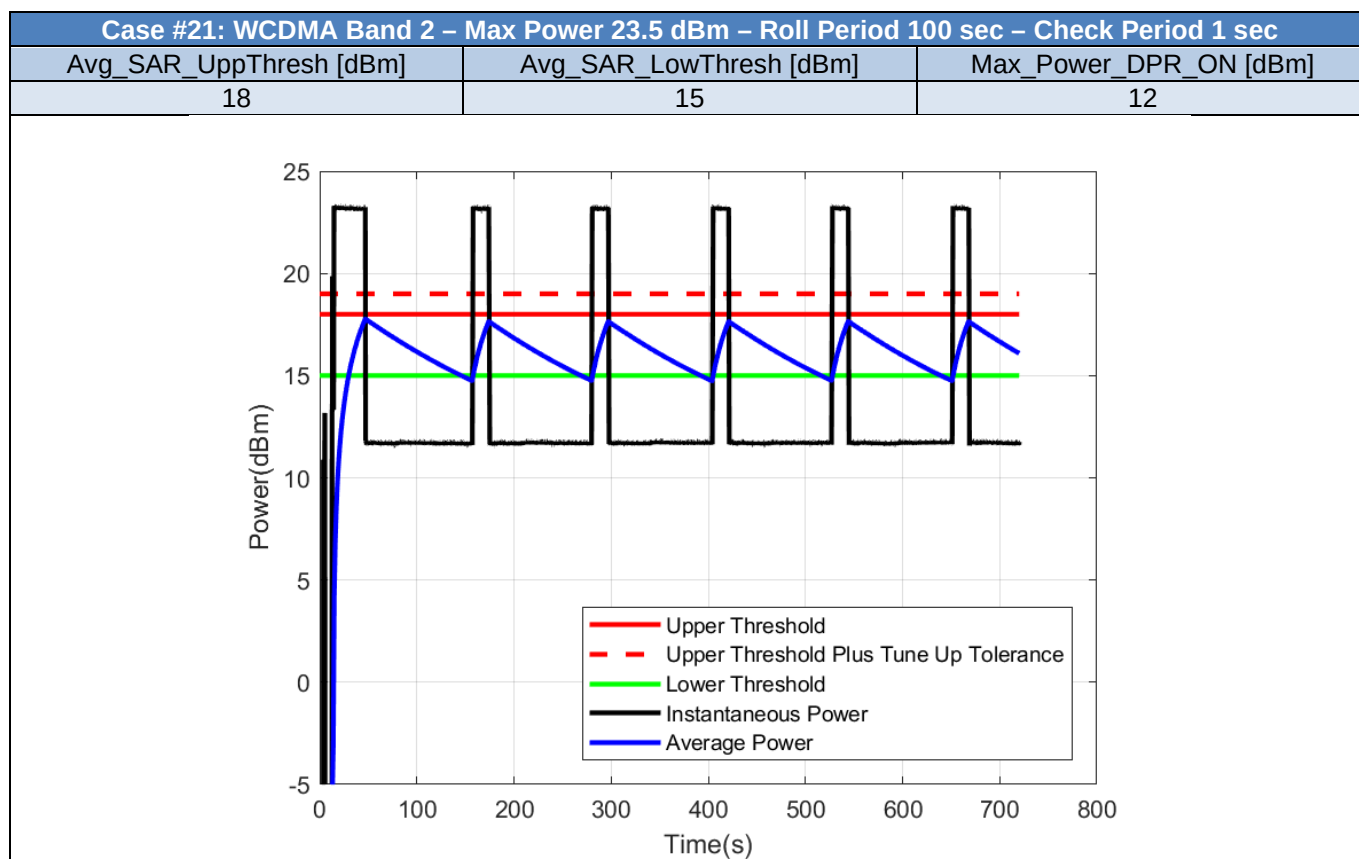
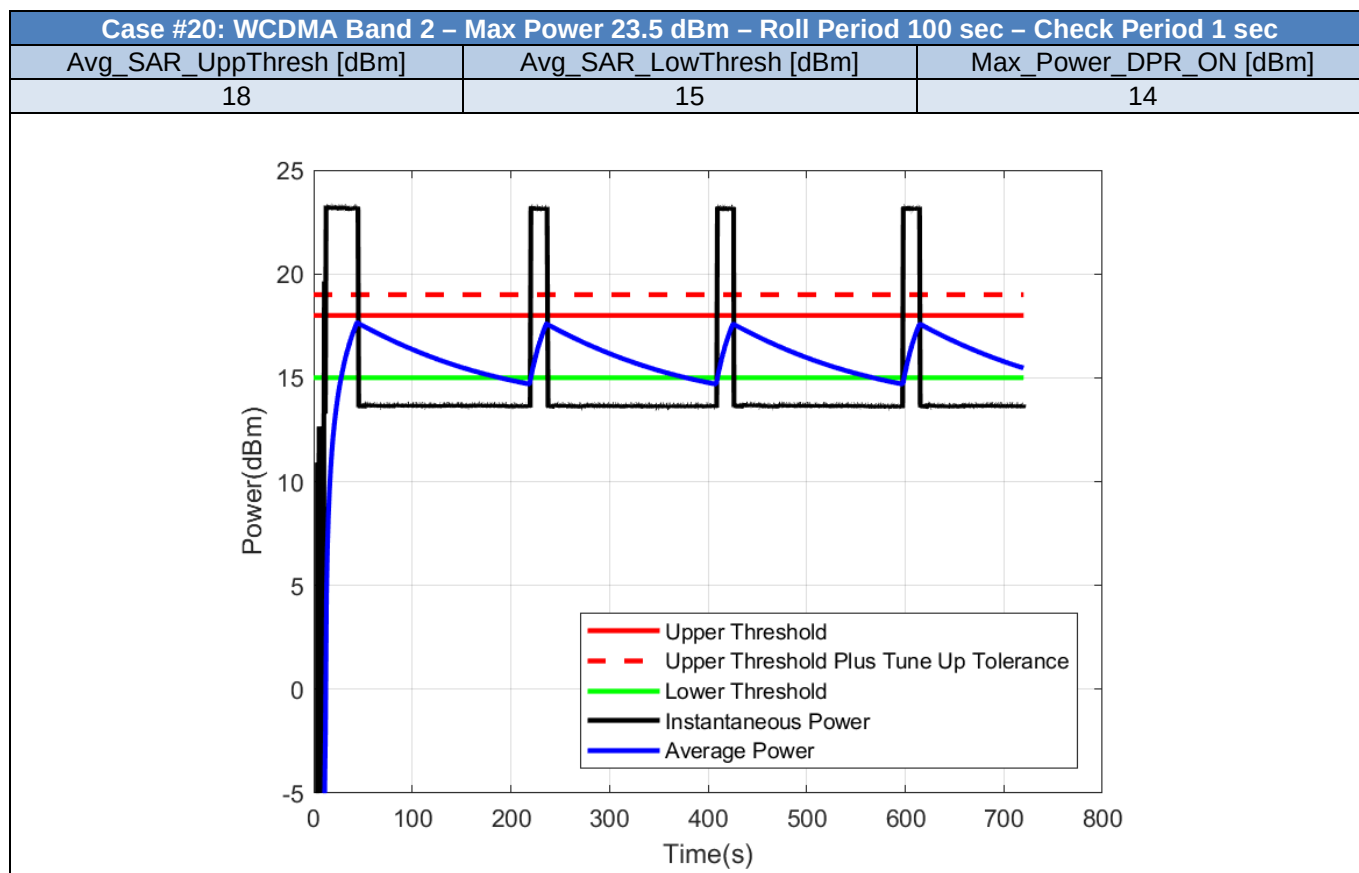
Max\_Power\_DPR\_ON [dBm]

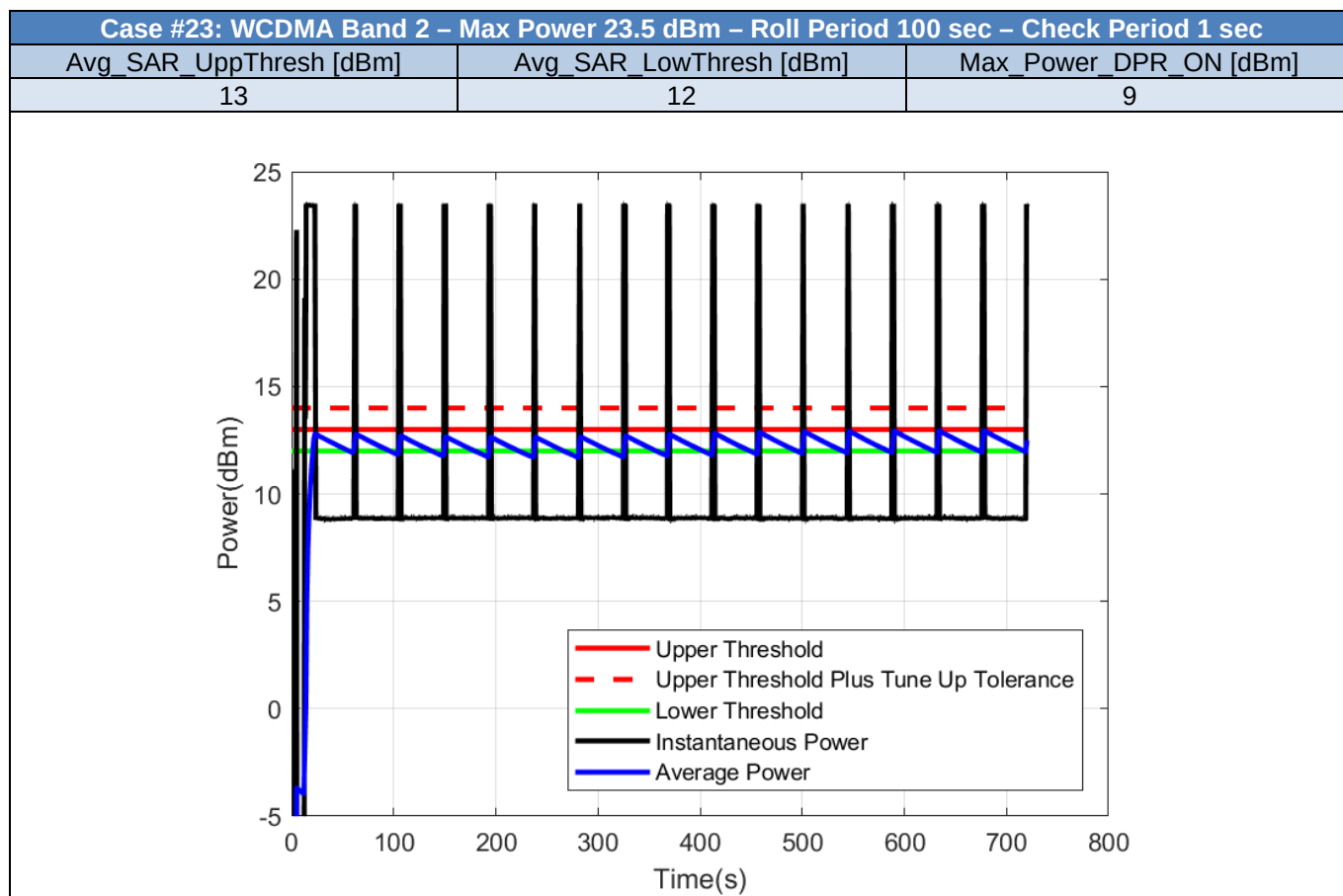
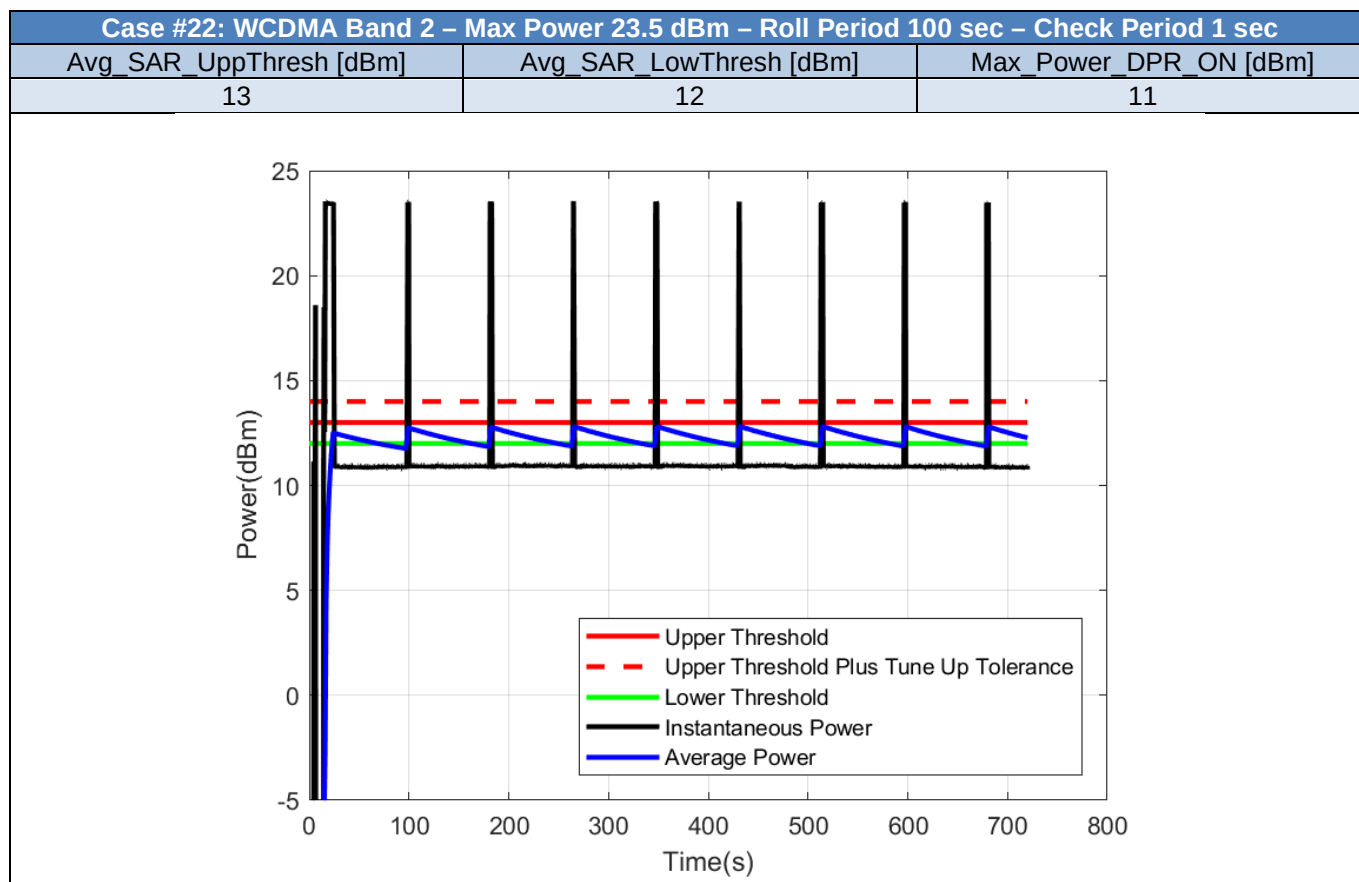
18

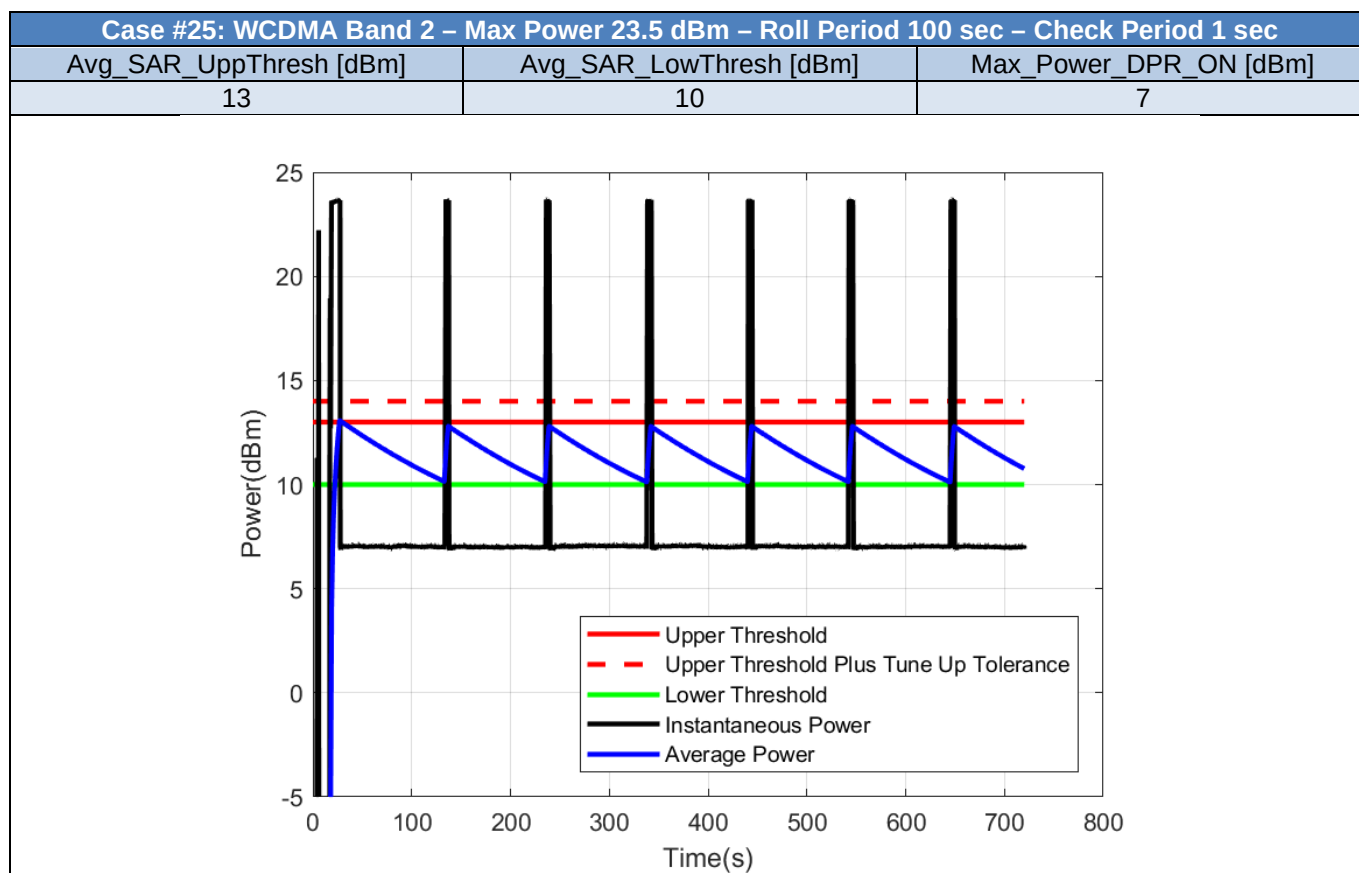
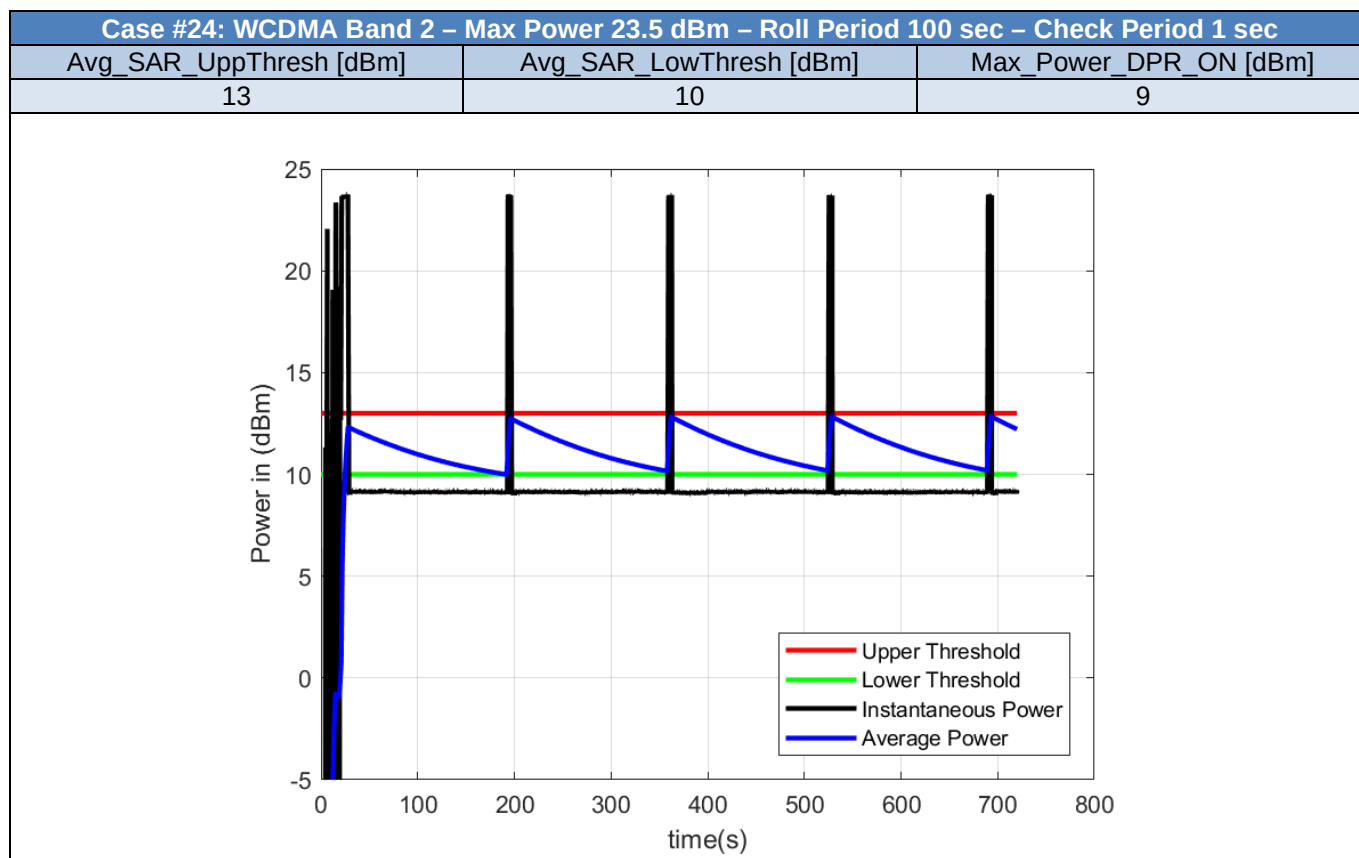
17

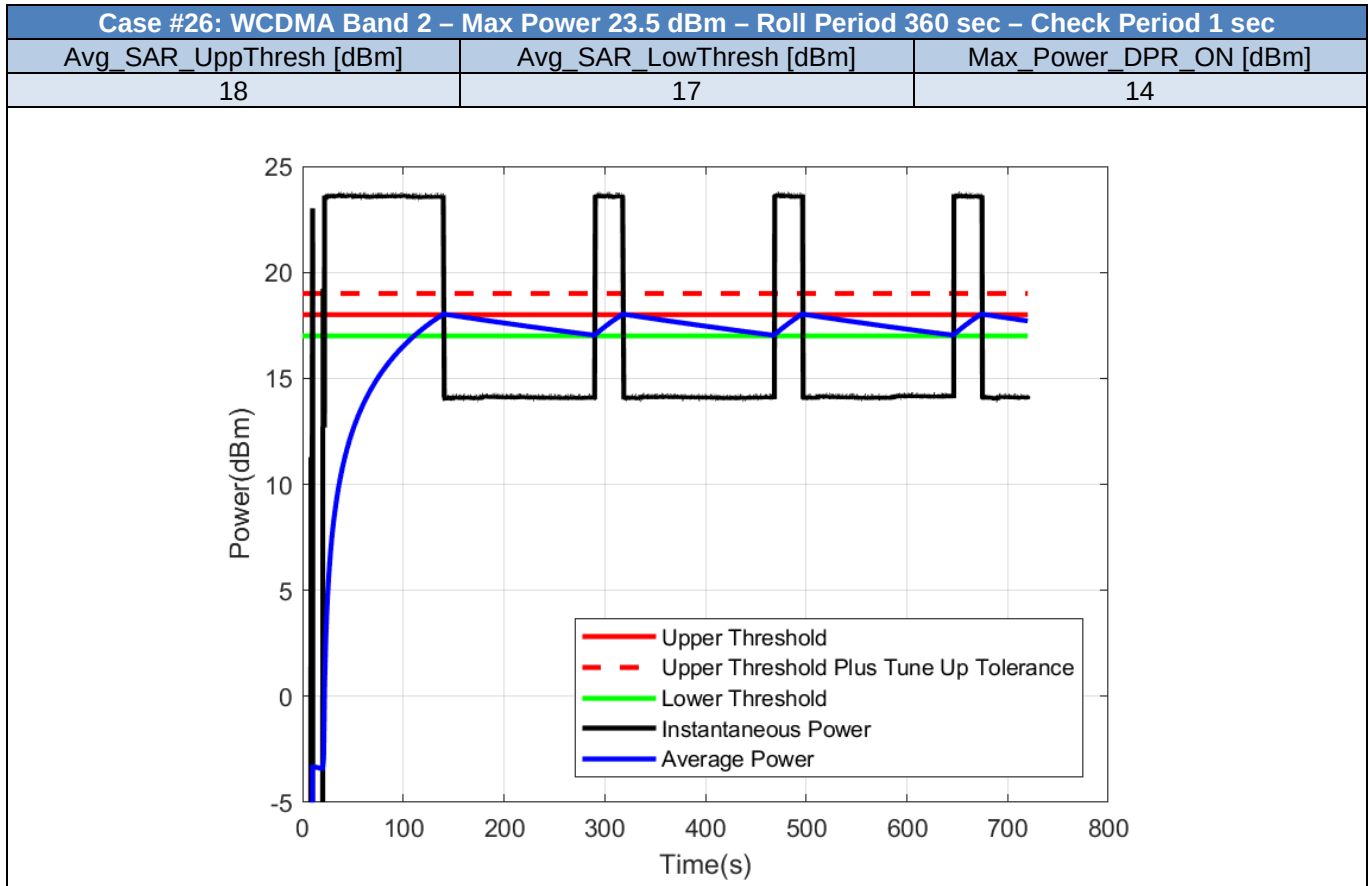
14









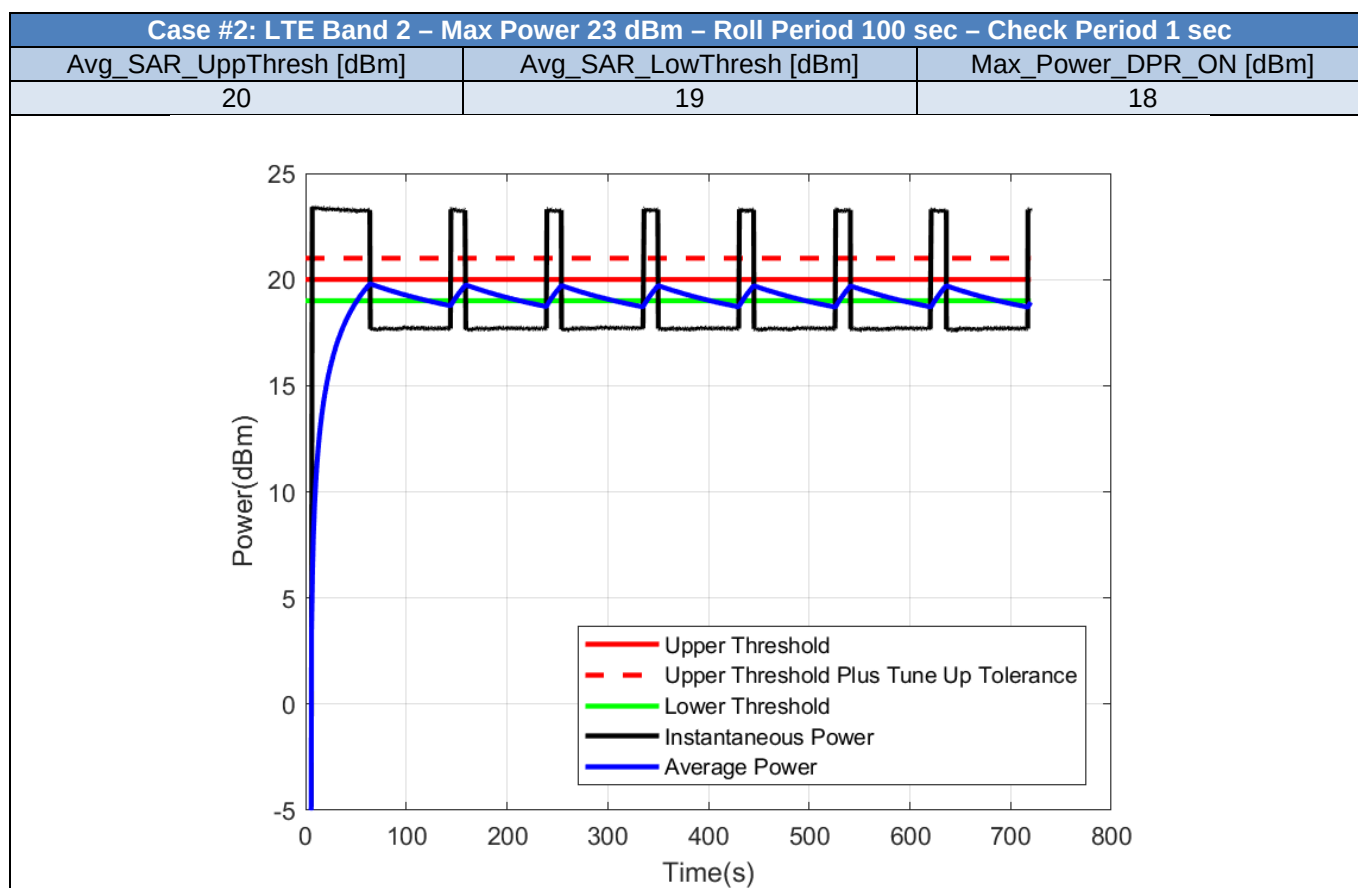
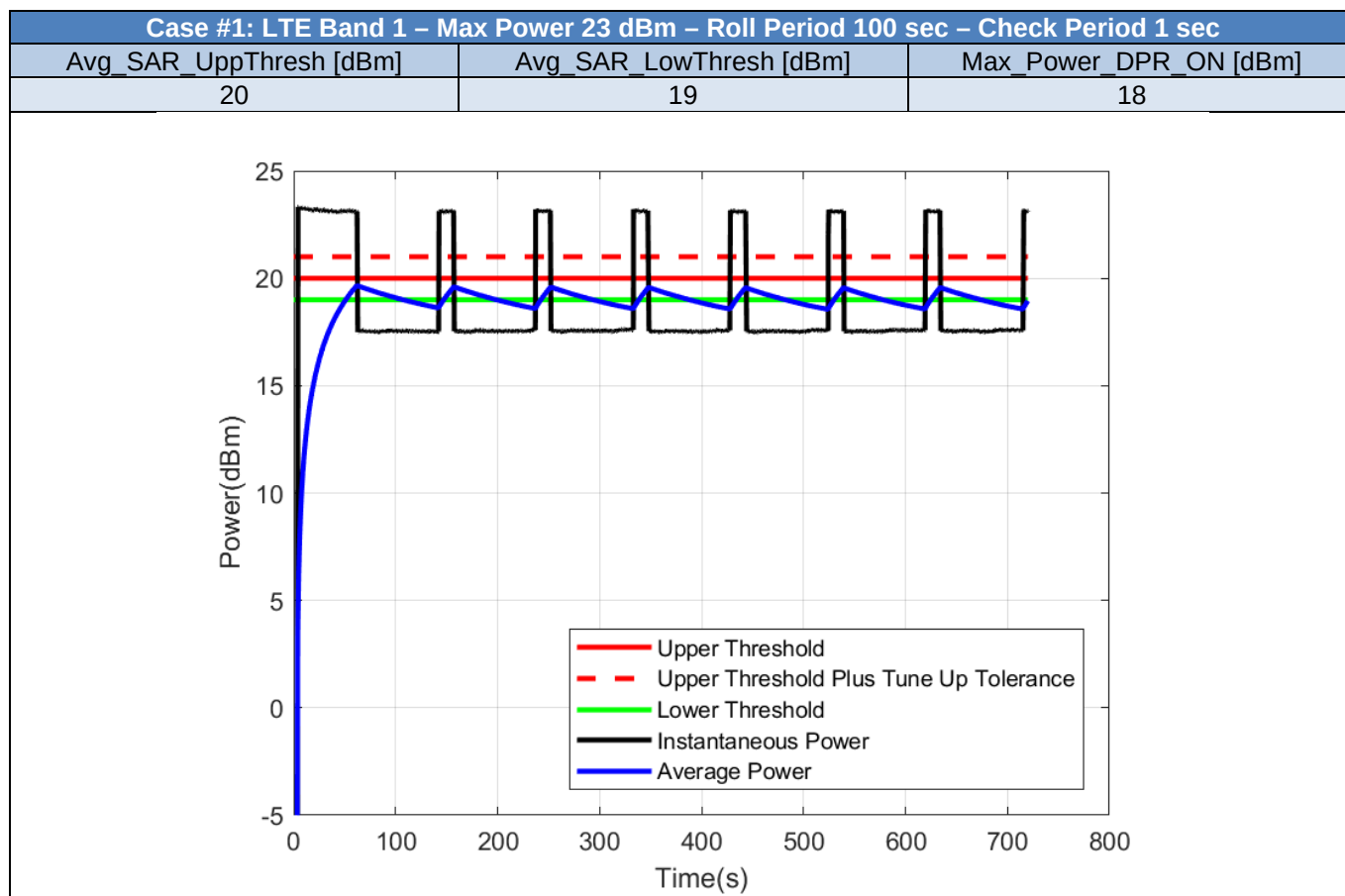


## 2.4. Bands Validation - LTE

**Table 3 - Test Cases for Bands Compliance of LTE bands**

| Case | RAT | Band | Max_Power_DPR_OFF_dBm | Roll_Period_s | Check_Period_s | Avg_SAR_UpperThreshold_dBm | Avg_SAR_LowerThreshold_dBm | Max_Power_DPR_ON_dBm |
|------|-----|------|-----------------------|---------------|----------------|----------------------------|----------------------------|----------------------|
| 1    | LTE | 1    | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 2    | LTE | 2    | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 3    | LTE | 3    | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 4    | LTE | 4    | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 5    | LTE | 5    | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 6    | LTE | 7    | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 7    | LTE | 8    | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 8    | LTE | 11   | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 9    | LTE | 12   | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 10   | LTE | 13   | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 11   | LTE | 17   | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 12   | LTE | 18   | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 13   | LTE | 19   | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 14   | LTE | 20   | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 15   | LTE | 21   | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 16   | LTE | 26   | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 17   | LTE | 28   | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 18   | LTE | 30   | 23                    | 100           | 1              | 20                         | 19                         | 18                   |
| 19   | LTE | 38   | 23                    | 100           | 1              | 16                         | 15                         | 14                   |
| 20   | LTE | 39   | 23                    | 100           | 1              | 16                         | 15                         | 14                   |
| 21   | LTE | 40   | 23                    | 100           | 1              | 16                         | 15                         | 14                   |
| 22   | LTE | 41   | 23                    | 100           | 1              | 16                         | 15                         | 14                   |
| 23   | LTE | 66   | 23                    | 100           | 1              | 20                         | 19                         | 18                   |

Note: The Average power is calculated using the measured instantaneous power and compared to the UpperThreshold Plus Tune-Up Tolerance. This is applied for all the test cases in this report.



**Case #3: LTE Band 3 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

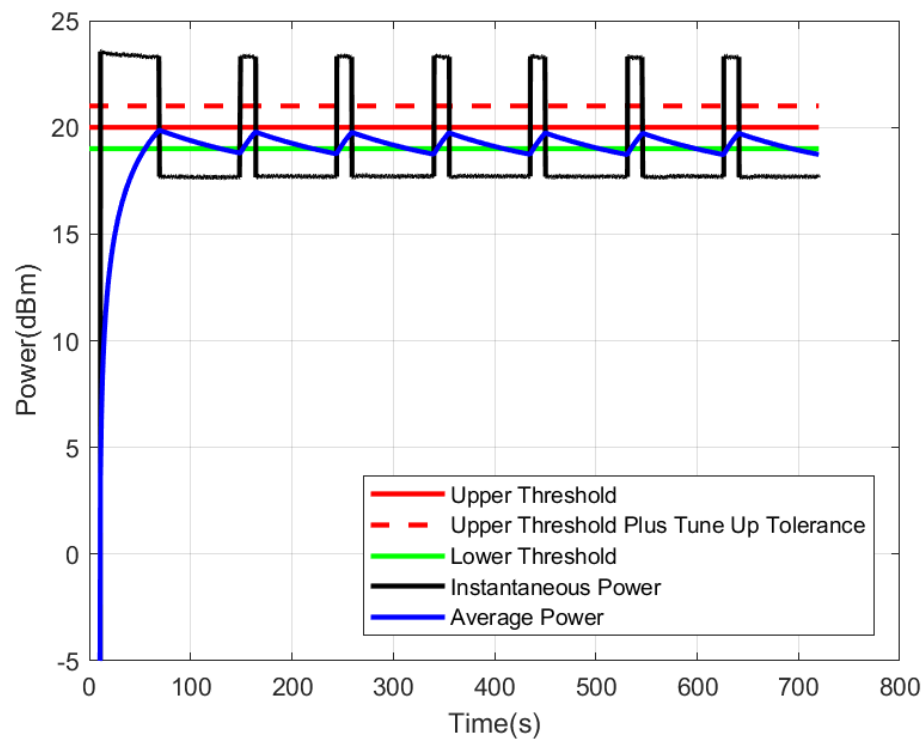
20

Avg\_SAR\_LowThresh [dBm]

19

Max\_Power\_DPR\_ON [dBm]

18


**Case #4: LTE Band 4 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

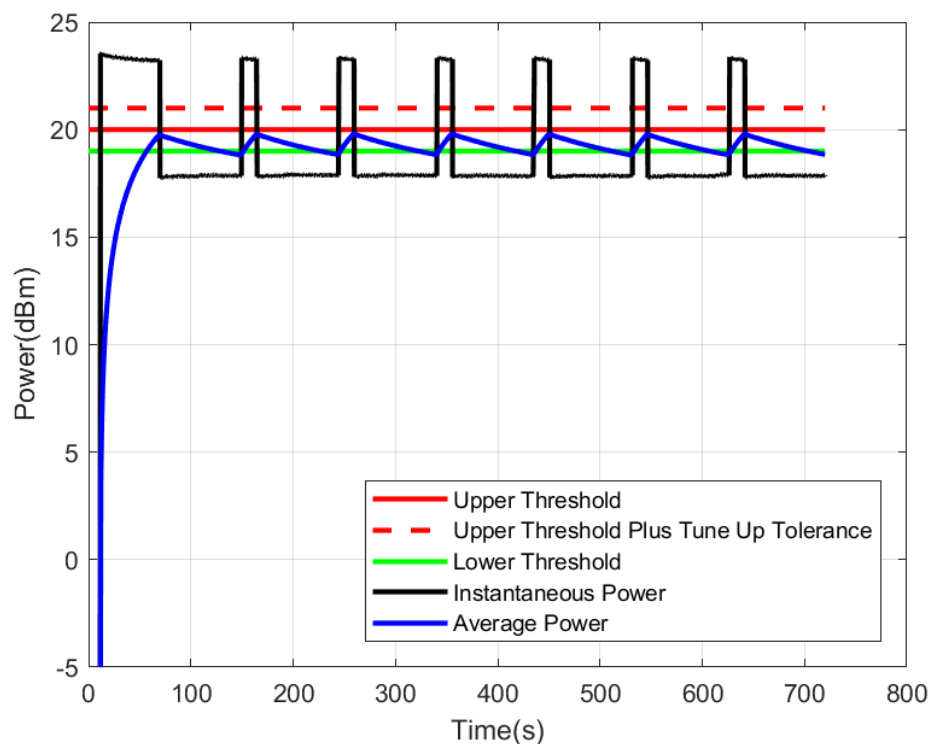
20

Avg\_SAR\_LowThresh [dBm]

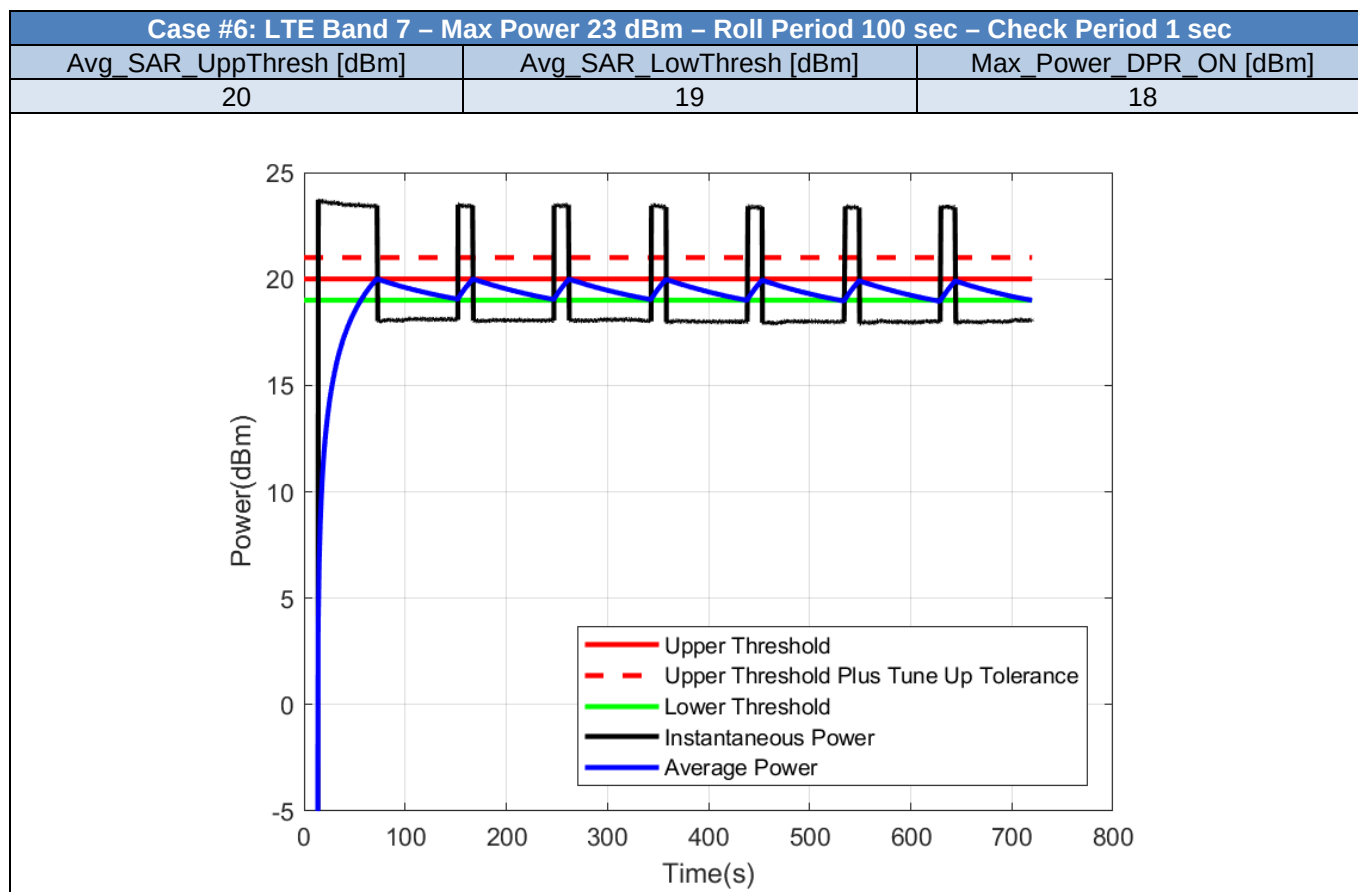
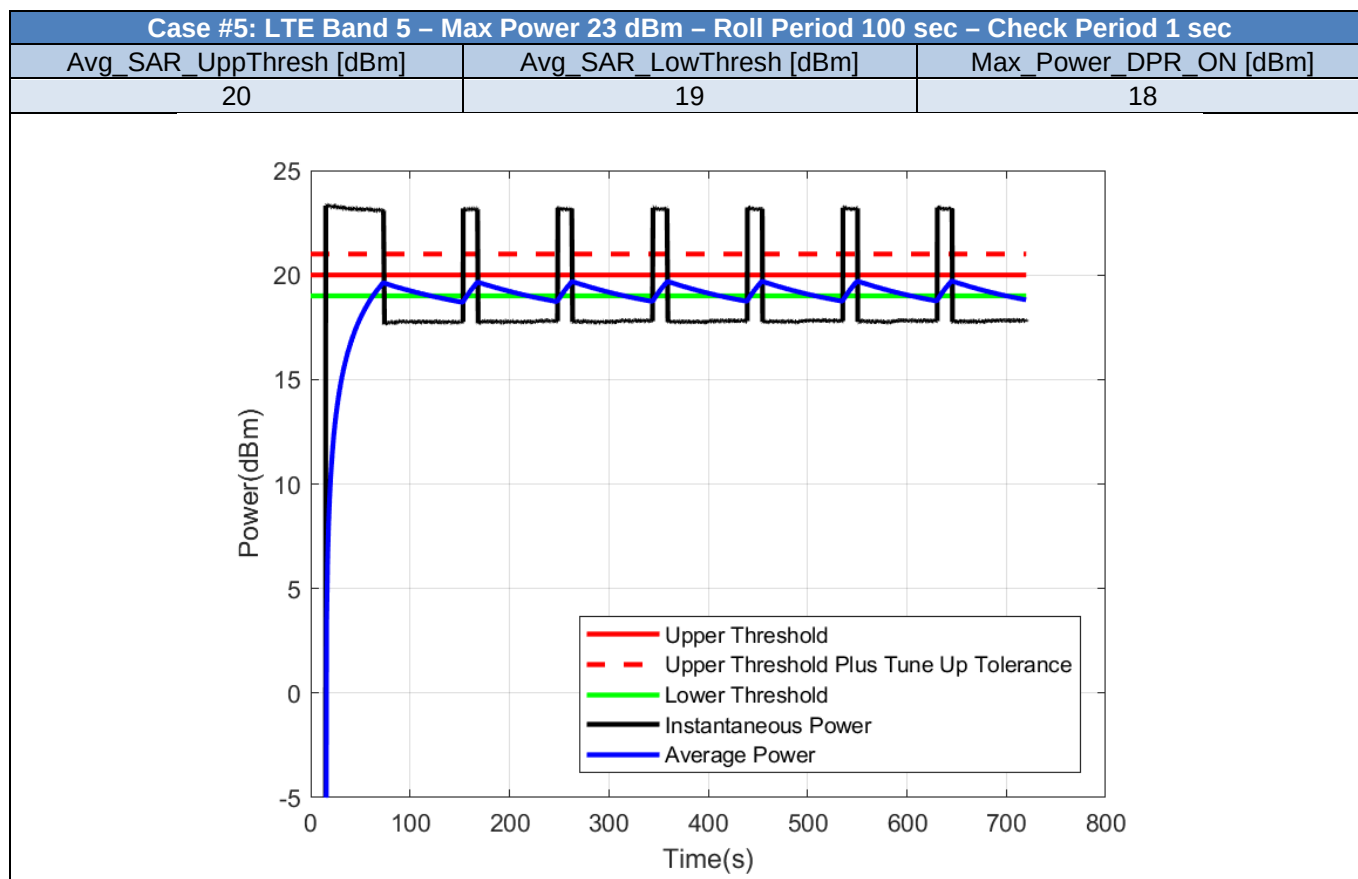
19

Max\_Power\_DPR\_ON [dBm]

18







**Case #7: LTE Band 8 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

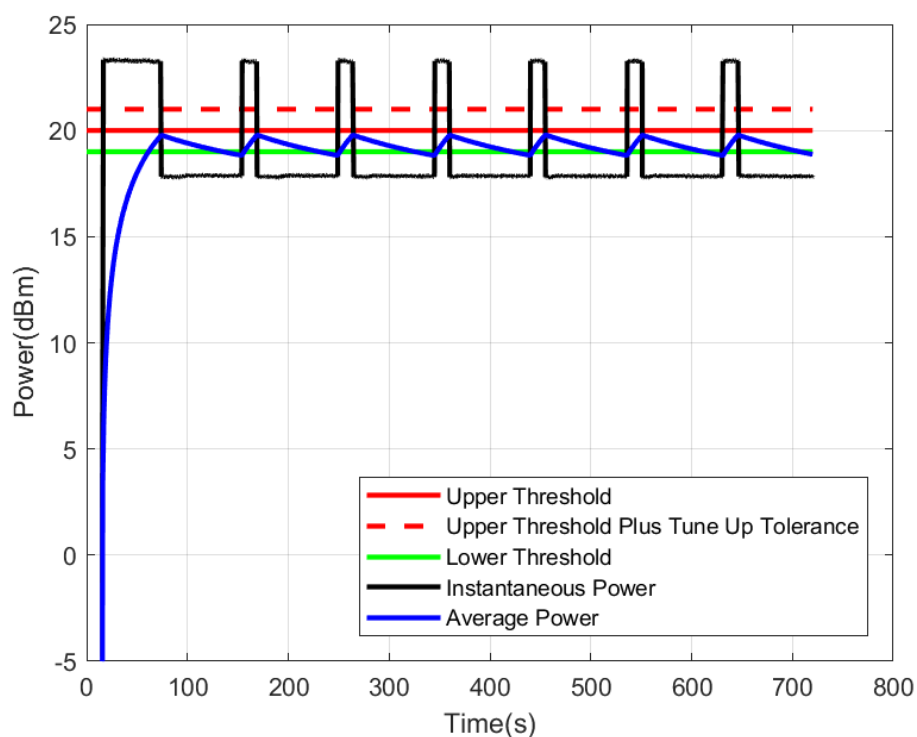
20

Avg\_SAR\_LowThresh [dBm]

19

Max\_Power\_DPR\_ON [dBm]

18


**Case #8: LTE Band 11 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

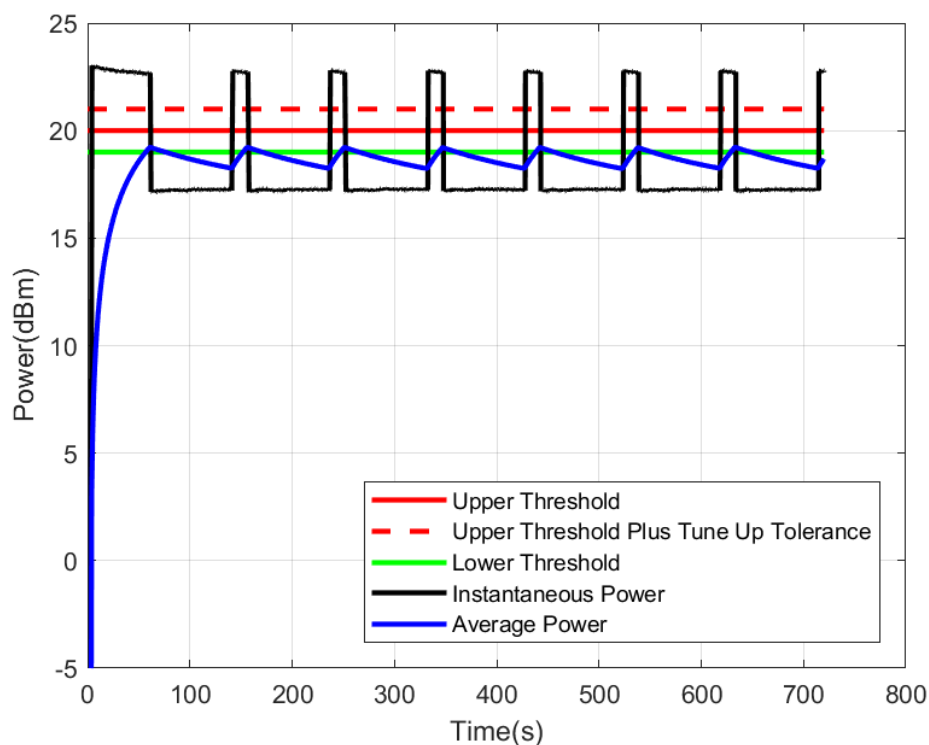
20

Avg\_SAR\_LowThresh [dBm]

19

Max\_Power\_DPR\_ON [dBm]

18



**Case #9: LTE Band 12 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

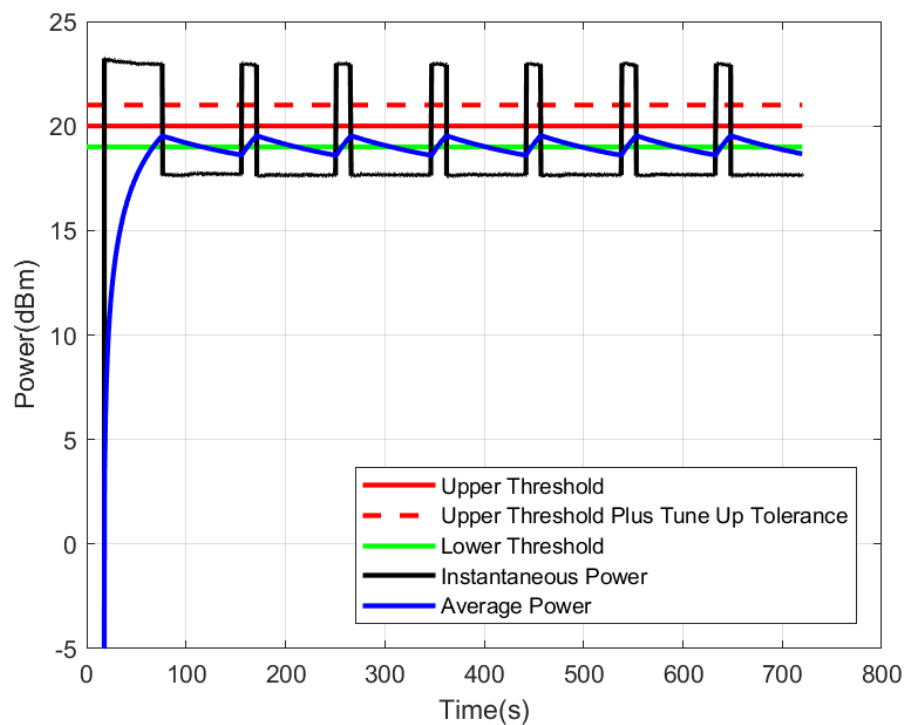
20

Avg\_SAR\_LowThresh [dBm]

19

Max\_Power\_DPR\_ON [dBm]

18


**Case #10: LTE Band 13 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

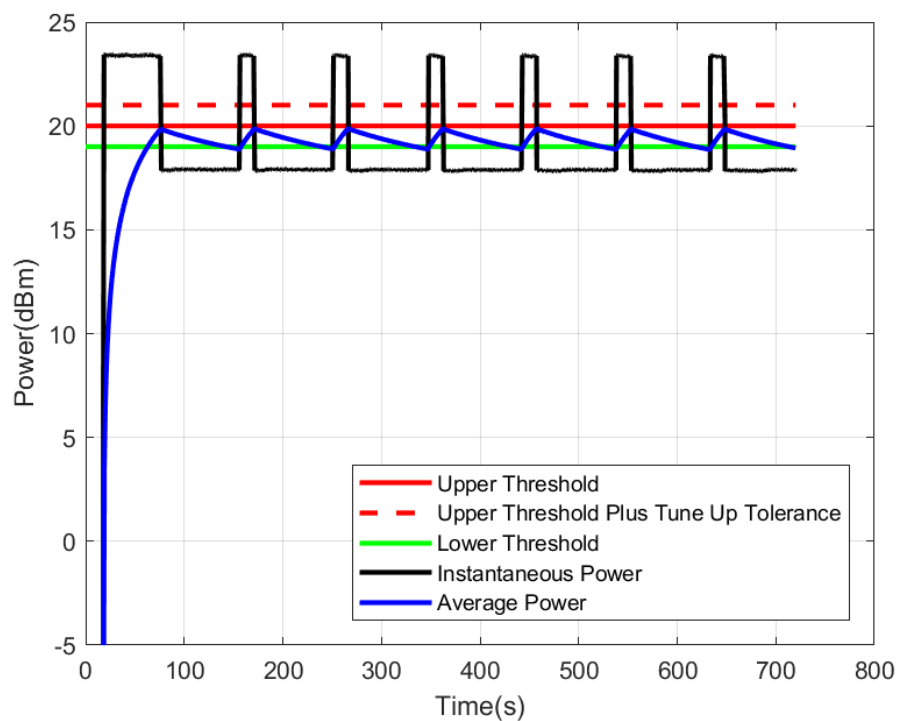
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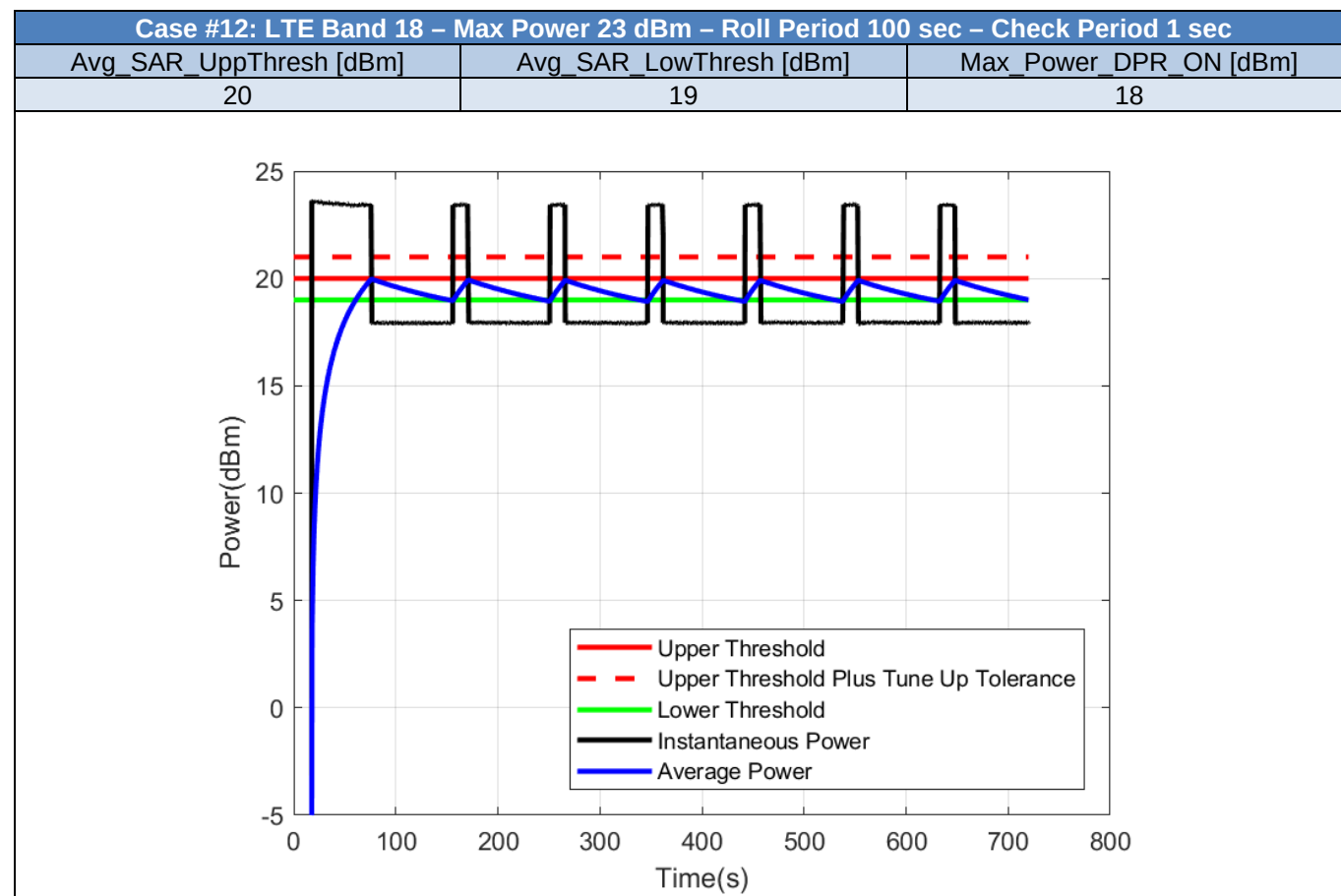
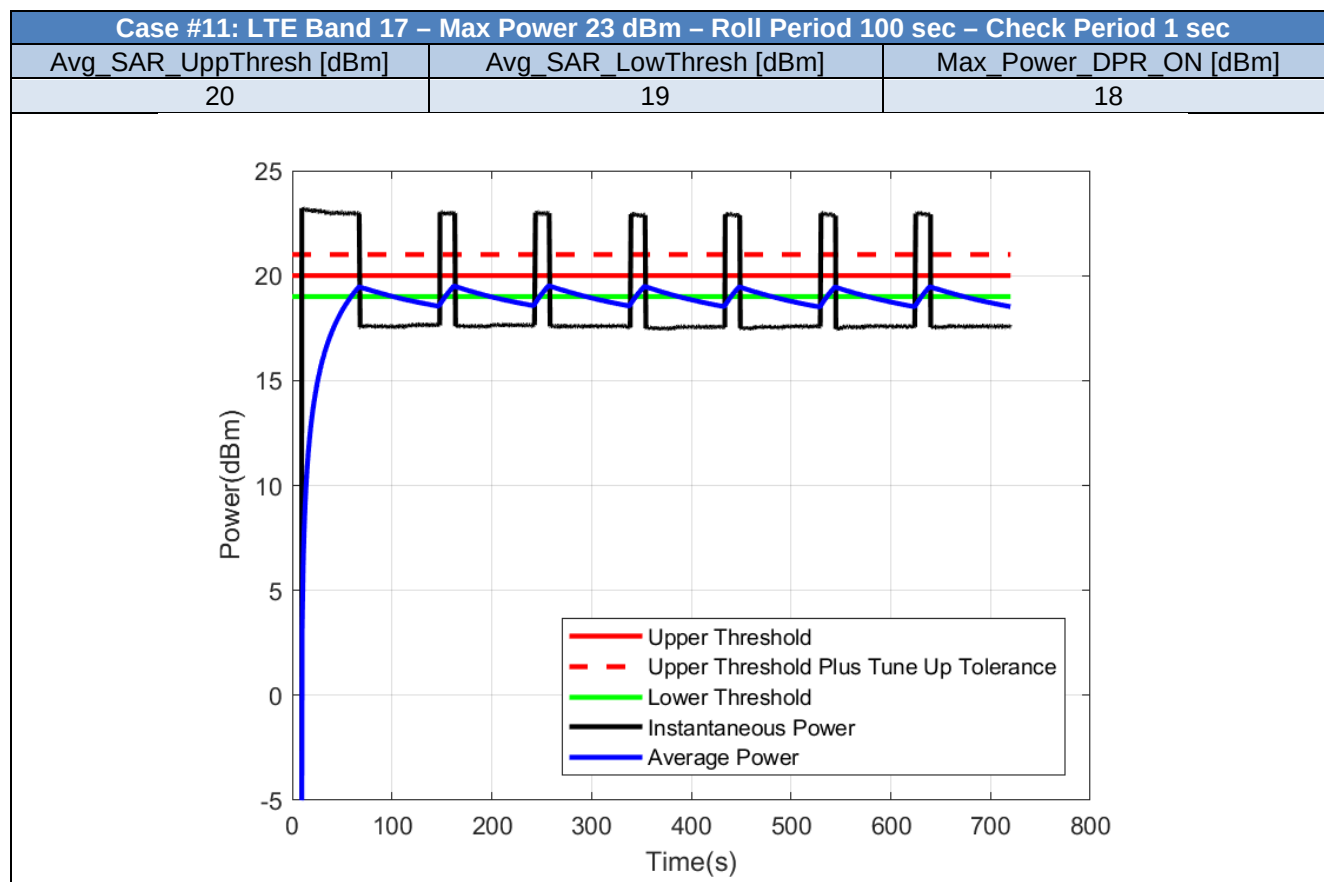
Avg\_SAR\_LowThresh [dBm]

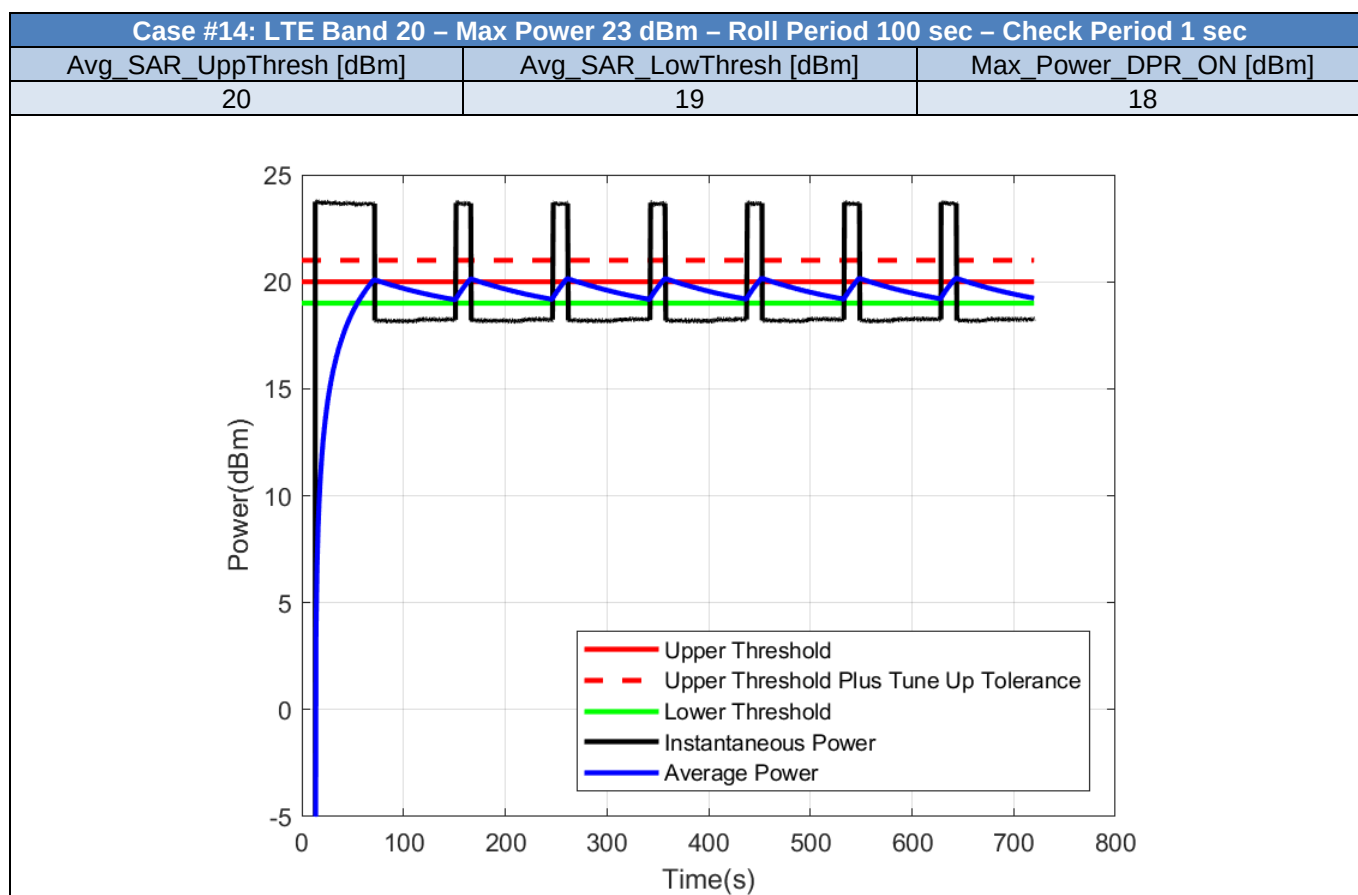
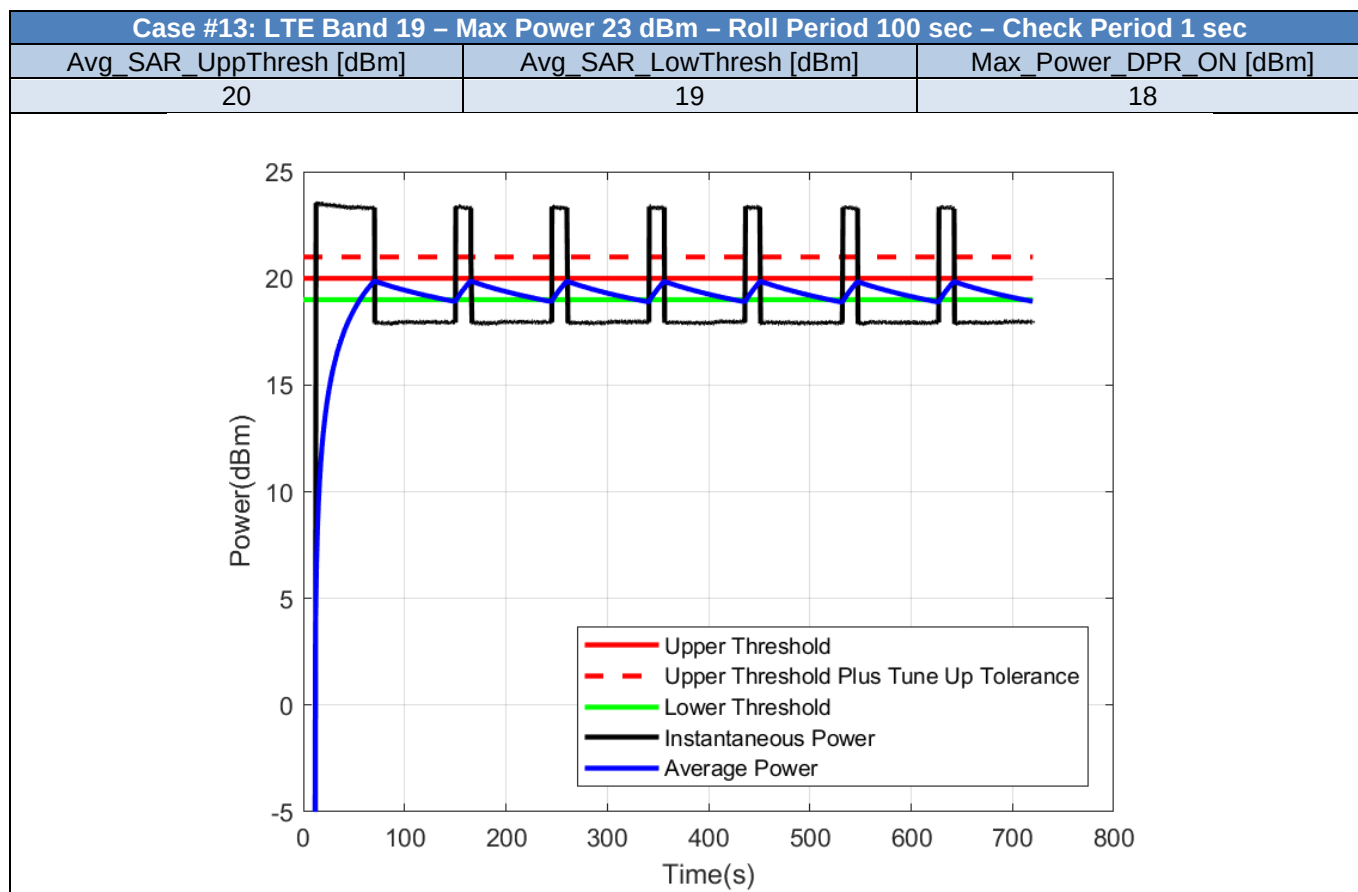
19

Max\_Power\_DPR\_ON [dBm]

18







**Case #15: LTE Band 21 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

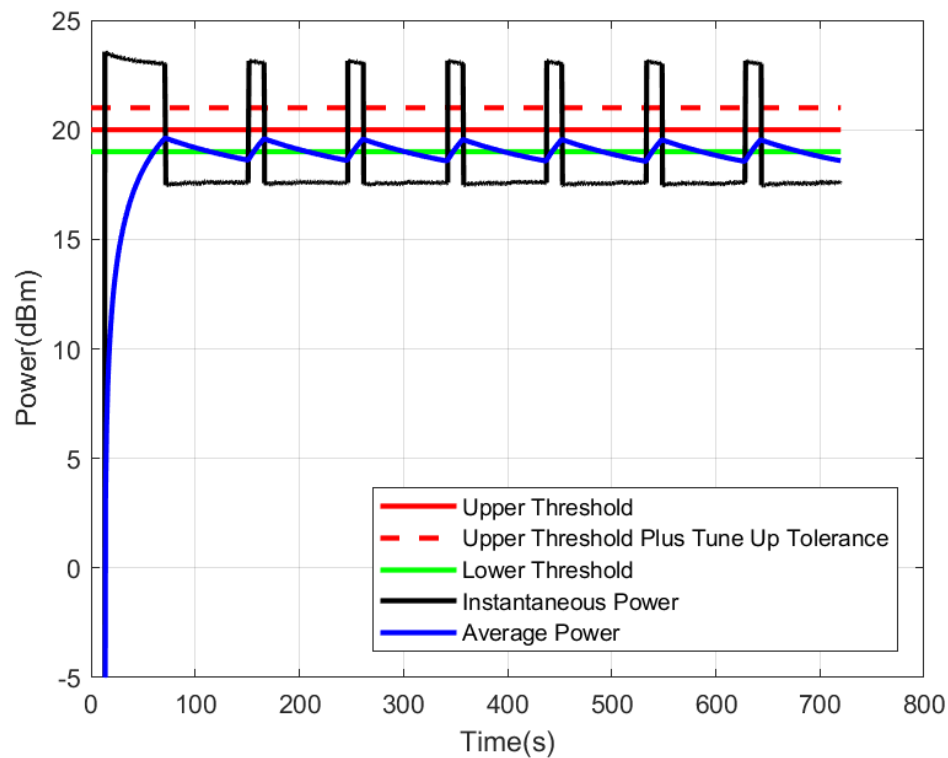
20

Avg\_SAR\_LowThresh [dBm]

19

Max\_Power\_DPR\_ON [dBm]

18


**Case #16: LTE Band 26 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

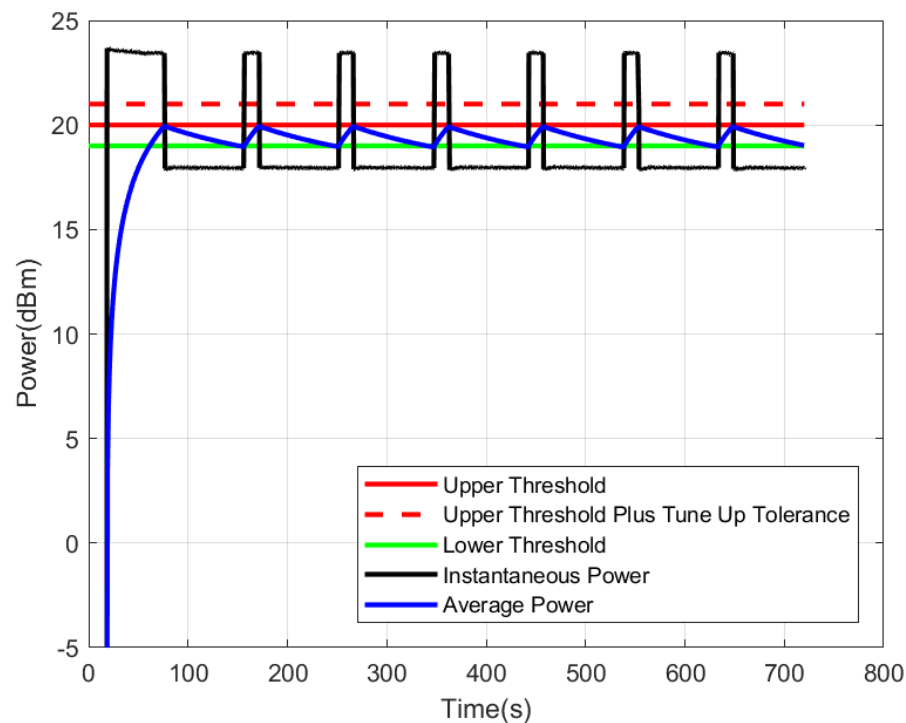
20

Avg\_SAR\_LowThresh [dBm]

19

Max\_Power\_DPR\_ON [dBm]

18



**Case #17: LTE Band 28 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

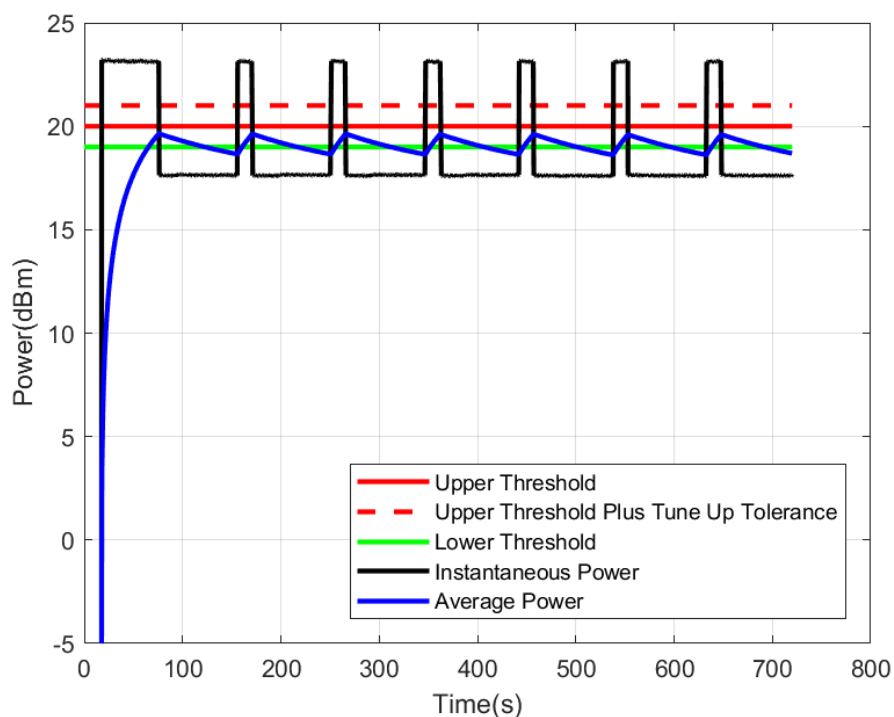
Avg\_SAR\_LowThresh [dBm]

Max\_Power\_DPR\_ON [dBm]

20

19

18


**Case #18: LTE Band 30 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

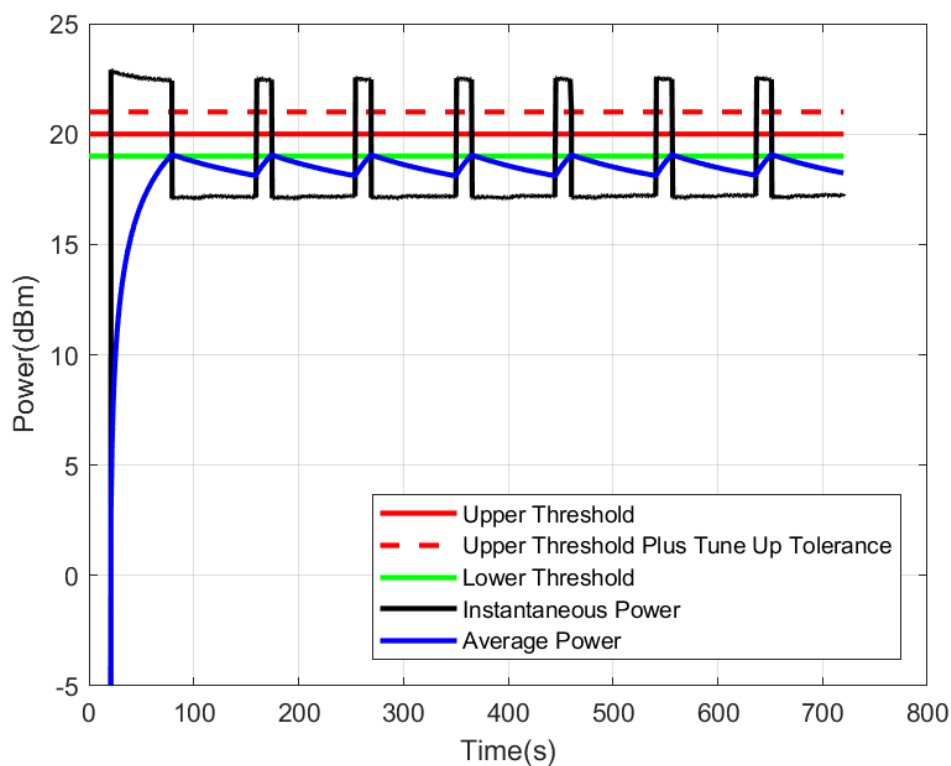
Avg\_SAR\_LowThresh [dBm]

Max\_Power\_DPR\_ON [dBm]

20

19

18



**Case #19: LTE Band 38 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

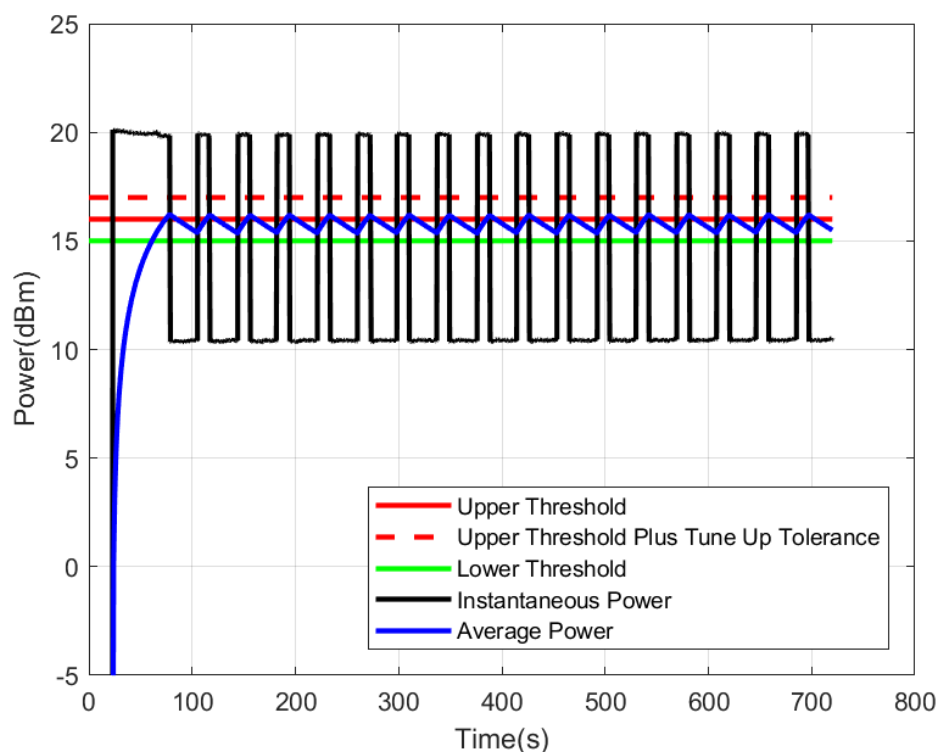
Avg\_SAR\_LowThresh [dBm]

Max\_Power\_DPR\_ON [dBm]

16

15

14


**Case #20: LTE Band 39 – Max Power 23 dBm – Roll Period 360 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

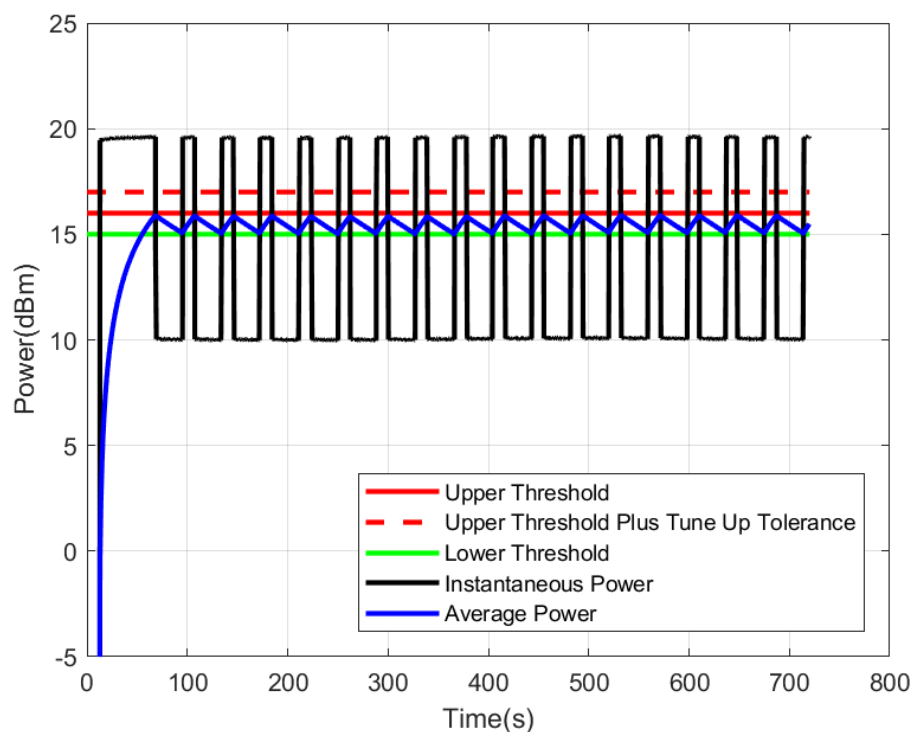
Avg\_SAR\_LowThresh [dBm]

Max\_Power\_DPR\_ON [dBm]

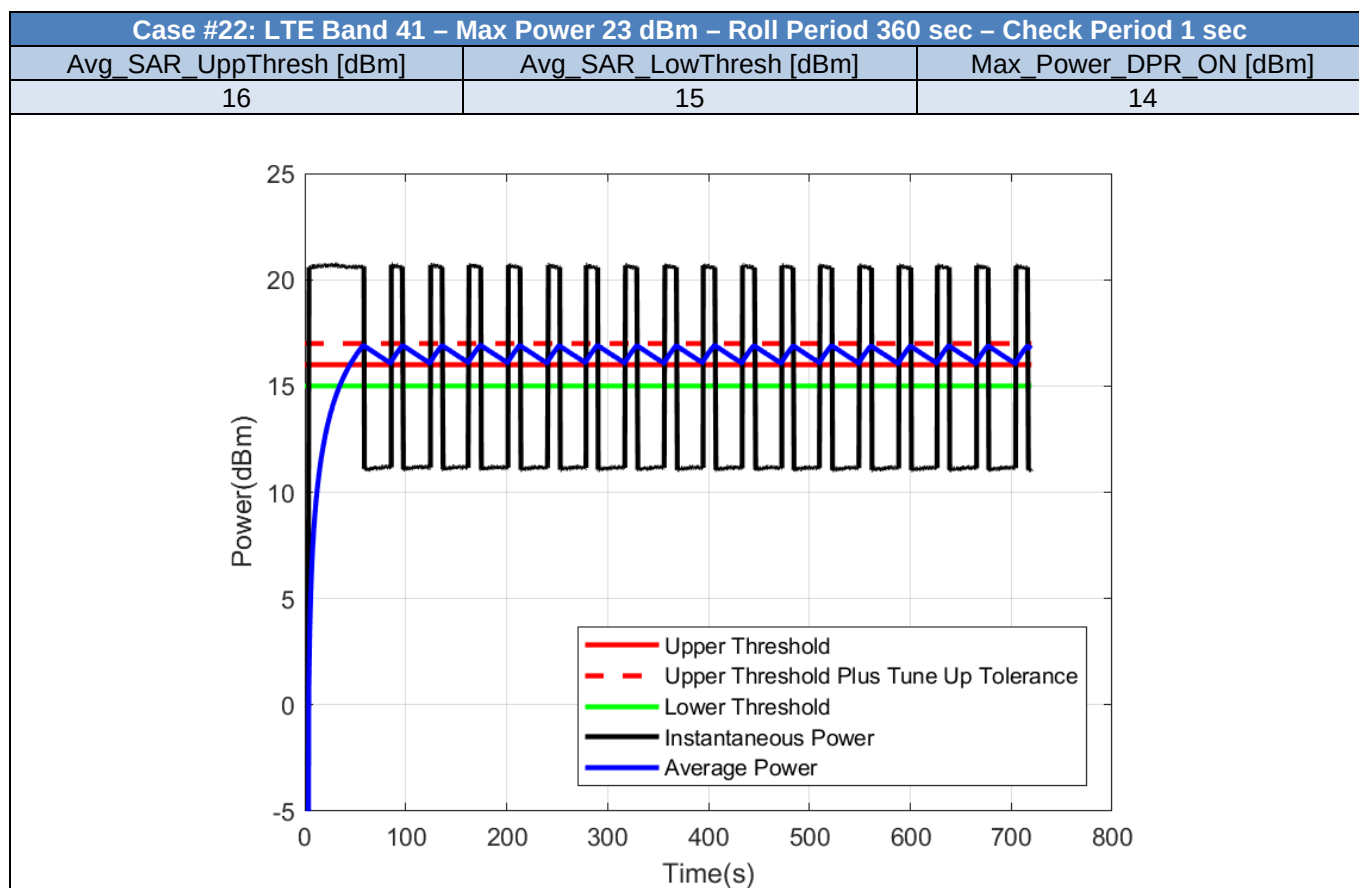
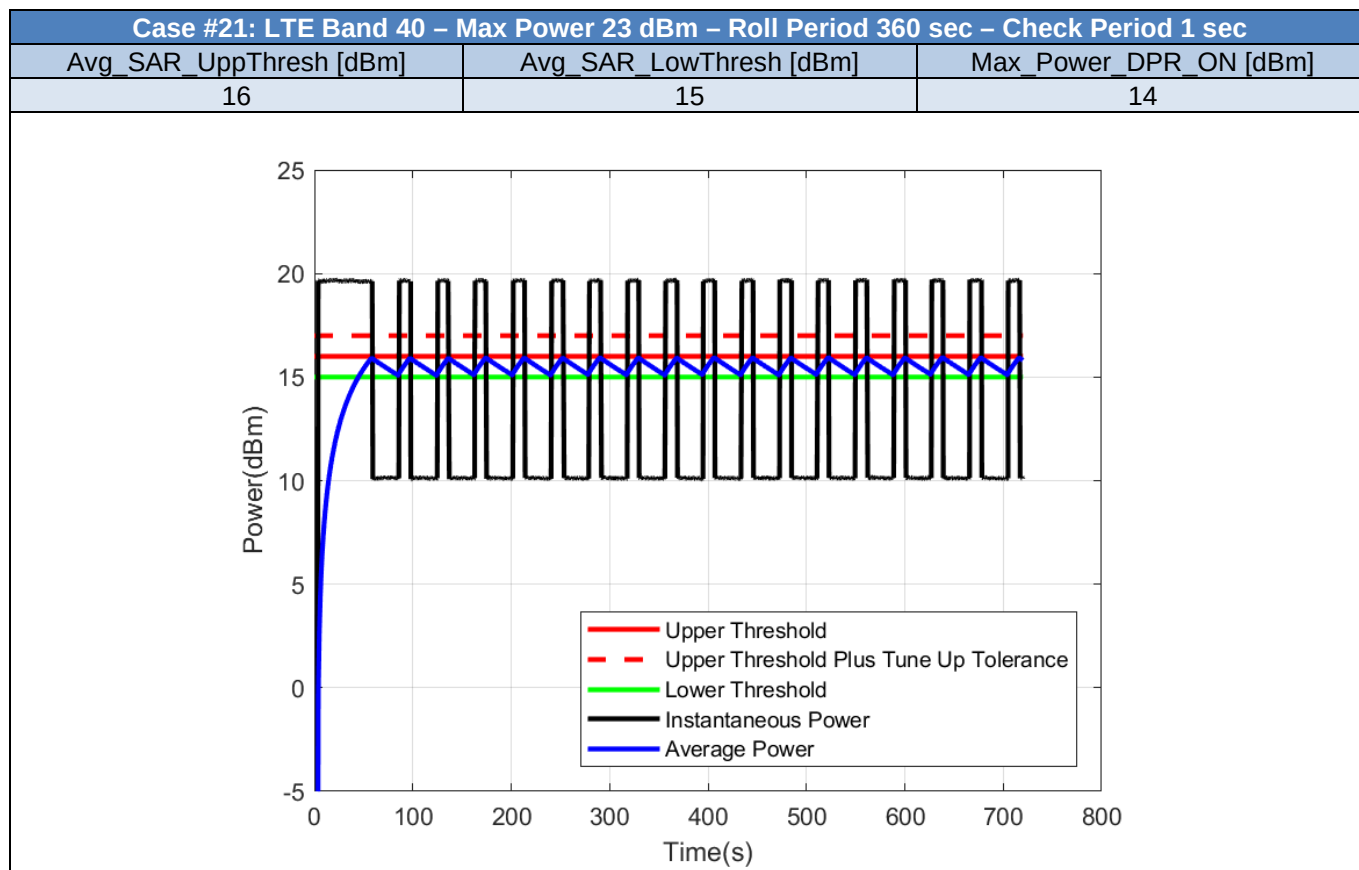
16

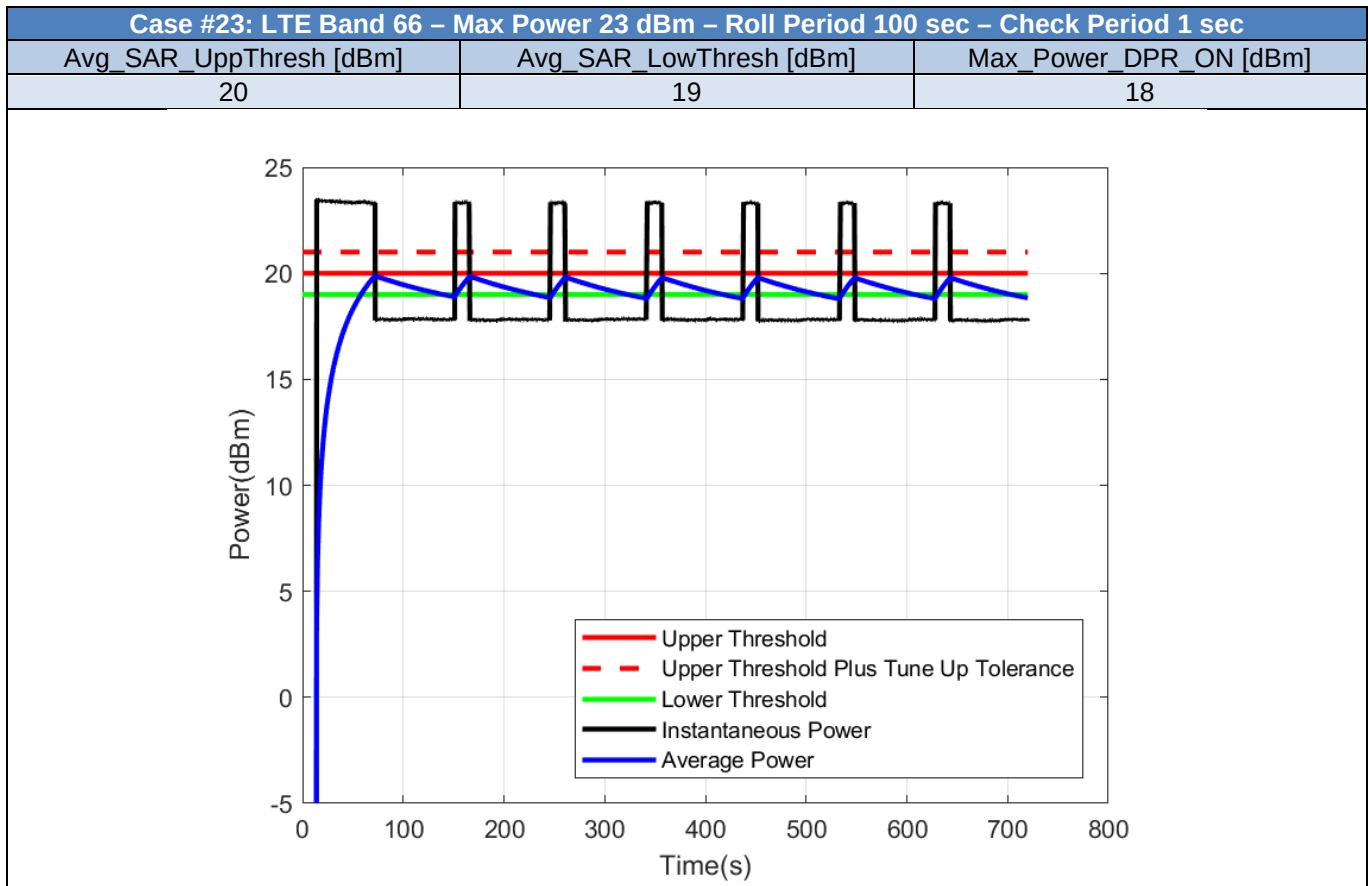
15

14







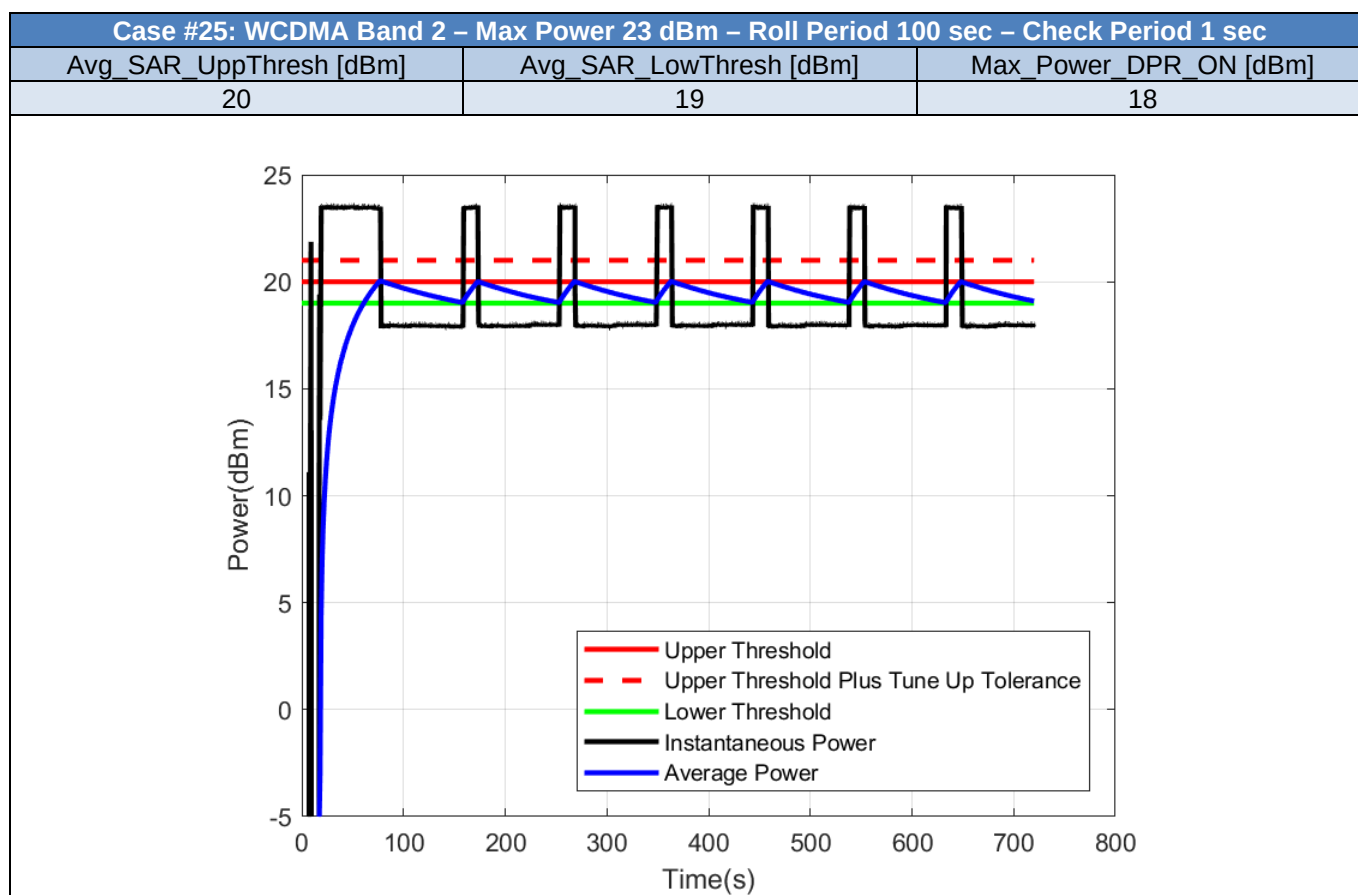
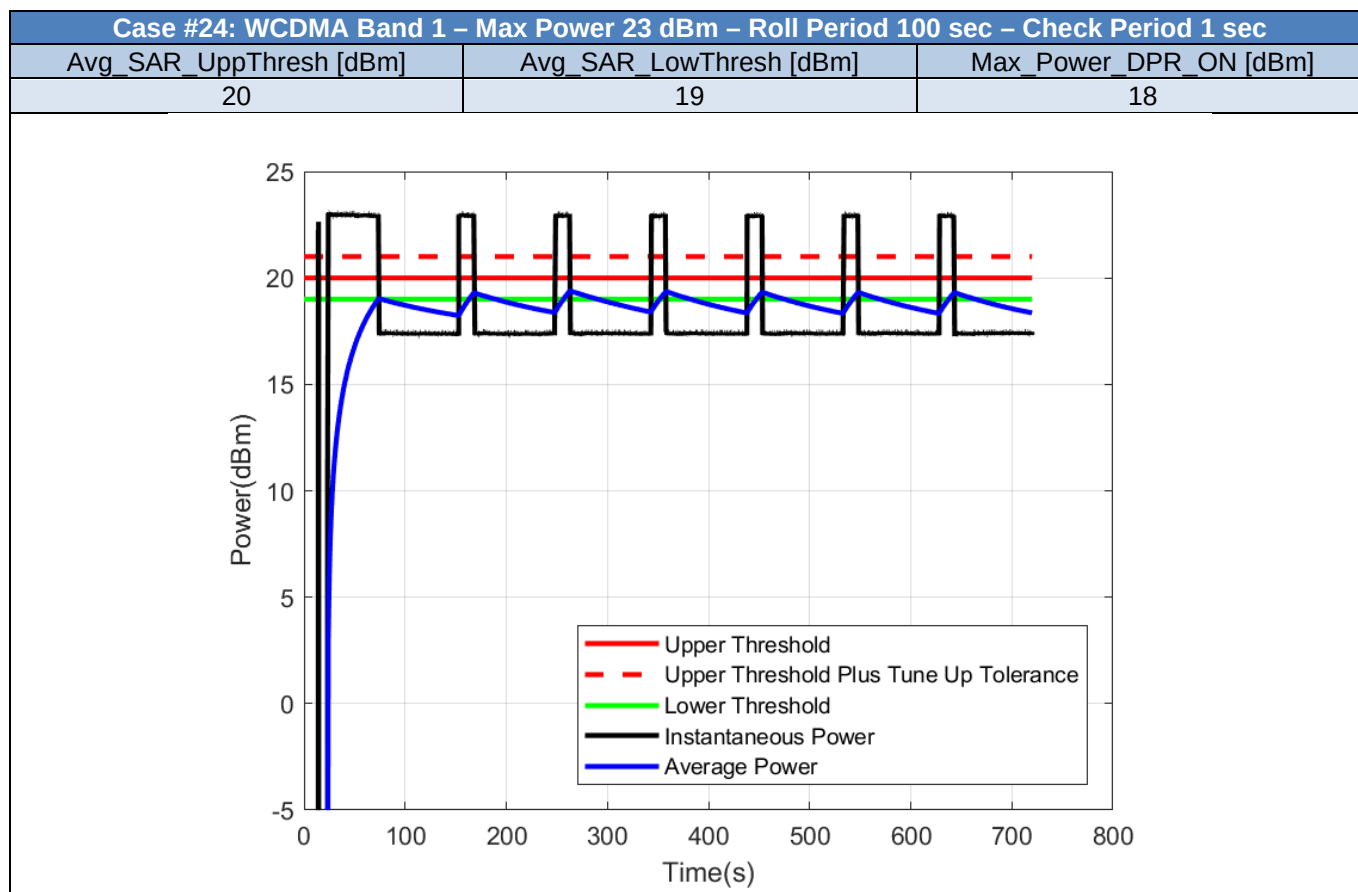


## 2.5. Bands Validation - WCDMA

*Table 4 - Test Cases for Bands Compliance of WCDMA bands*

| Case | RAT   | Band | Max_Power_<br>DPR_OFF_dBm | Roll_Period_<br>s | Check_Perio<br>d_s | Avg_SAR_Up<br>pThresh_dBm | Avg_SAR_Lo<br>wThresh_dBm | Max_Power_<br>DPR_ON_dBm |
|------|-------|------|---------------------------|-------------------|--------------------|---------------------------|---------------------------|--------------------------|
| 24   | WCDMA | 1    | 23                        | 100               | 1                  | 20                        | 19                        | 18                       |
| 25   | WCDMA | 2    | 23                        | 100               | 1                  | 20                        | 19                        | 18                       |
| 26   | WCDMA | 4    | 23                        | 100               | 1                  | 20                        | 19                        | 18                       |
| 27   | WCDMA | 5    | 23                        | 100               | 1                  | 20                        | 19                        | 18                       |
| 28   | WCDMA | 8    | 23                        | 100               | 1                  | 20                        | 19                        | 18                       |

*Note: The Average power is calculated using the measured instantaneous power and compared to the UpperThreshold Plus Tune-Up Tolerance. This is applied for all the test cases in this report.*



**Case #26: WCDMA Band 4 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

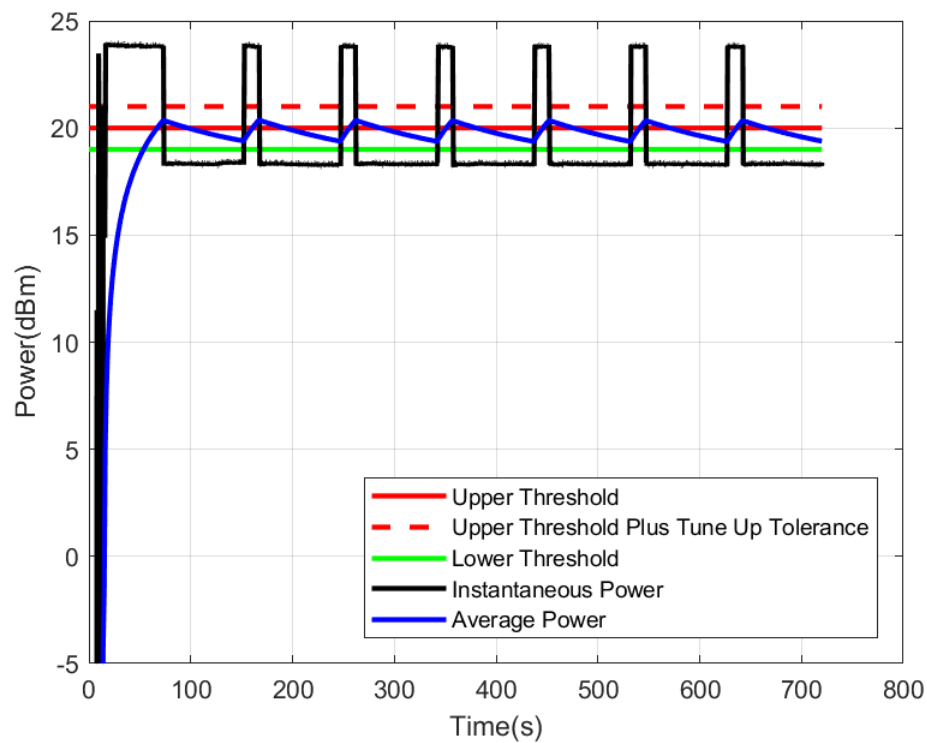
20

Avg\_SAR\_LowThresh [dBm]

19

Max\_Power\_DPR\_ON [dBm]

18


**Case #27: WCDMA Band 5 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

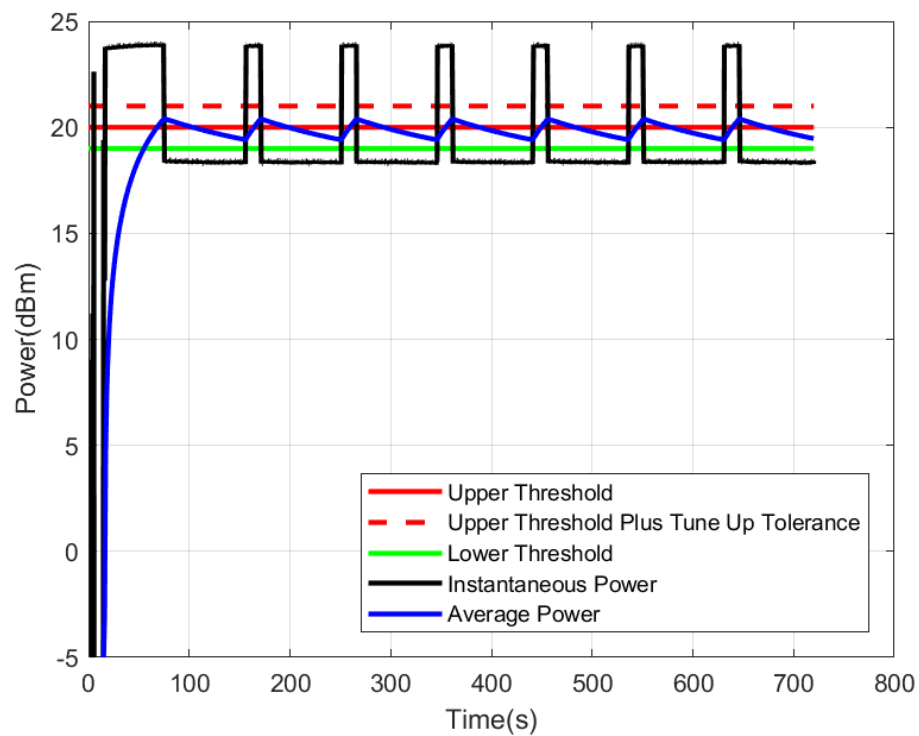
20

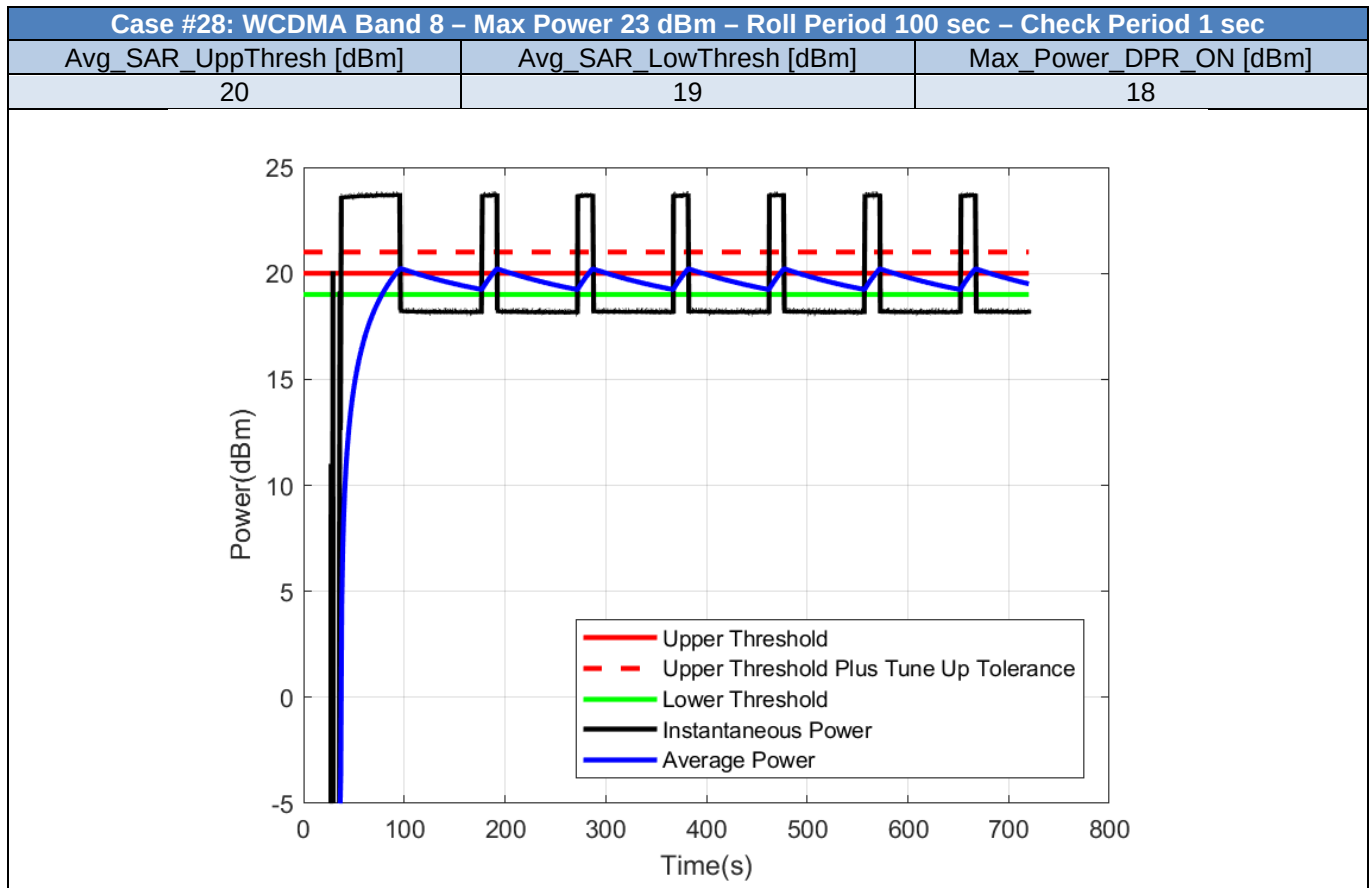
Avg\_SAR\_LowThresh [dBm]

19

Max\_Power\_DPR\_ON [dBm]

18





## 2.6. Time Varying Test Sequence - LTE

*Table 5 - Test Cases for Time Varying Test Sequence of LTE bands*

| Case | RAT | Band | Max_Power_DPR_OFF | Roll_Period | Check_Period | Avg_SAR_UppThresh | Avg_SAR_LowThresh | Max_Power_DPR_ON |
|------|-----|------|-------------------|-------------|--------------|-------------------|-------------------|------------------|
| 1    | LTE | 2    | 23                | 100         | 1            | 18                | 15                | 14               |
| 2    | LTE | 2    | 23                | 100         | 1            | 18                | 15                | 14               |

*Note: The Average power is calculated using the measured instantaneous power and compared to the UpperThreshold Plus Tune-Up Tolerance. This is applied for all the test cases in this report.*

**Case #1: Sequence 1 - LTE Band 2 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

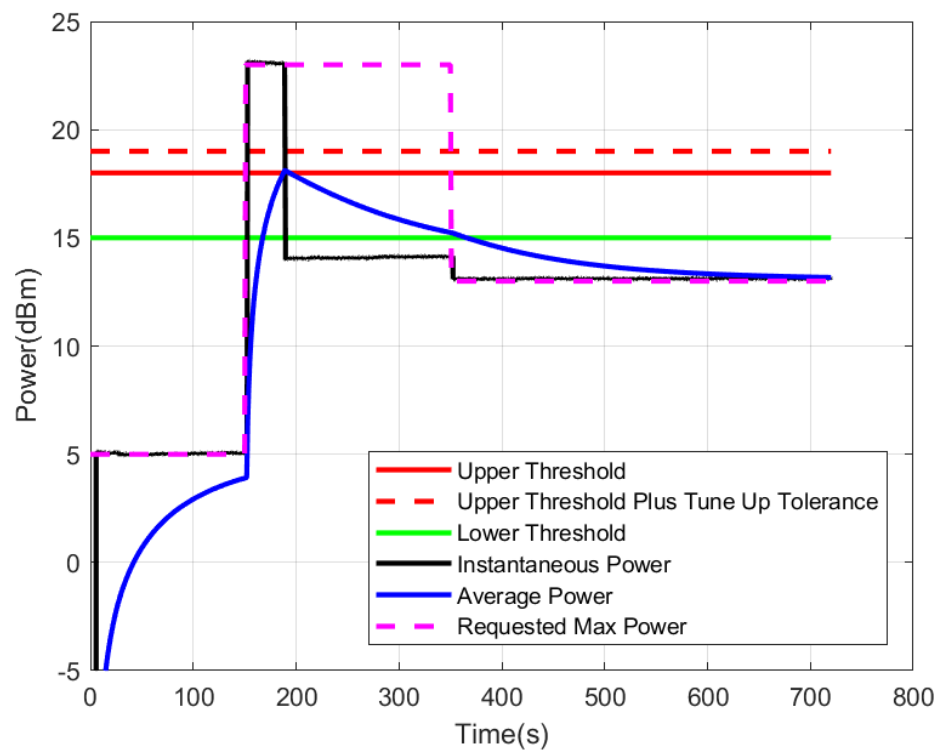
18

Avg\_SAR\_LowThresh [dBm]

15

Max\_Power\_DPR\_ON [dBm]

14


**Case #2: Sequence 2 - LTE Band 2 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

Avg\_SAR\_UppThresh [dBm]

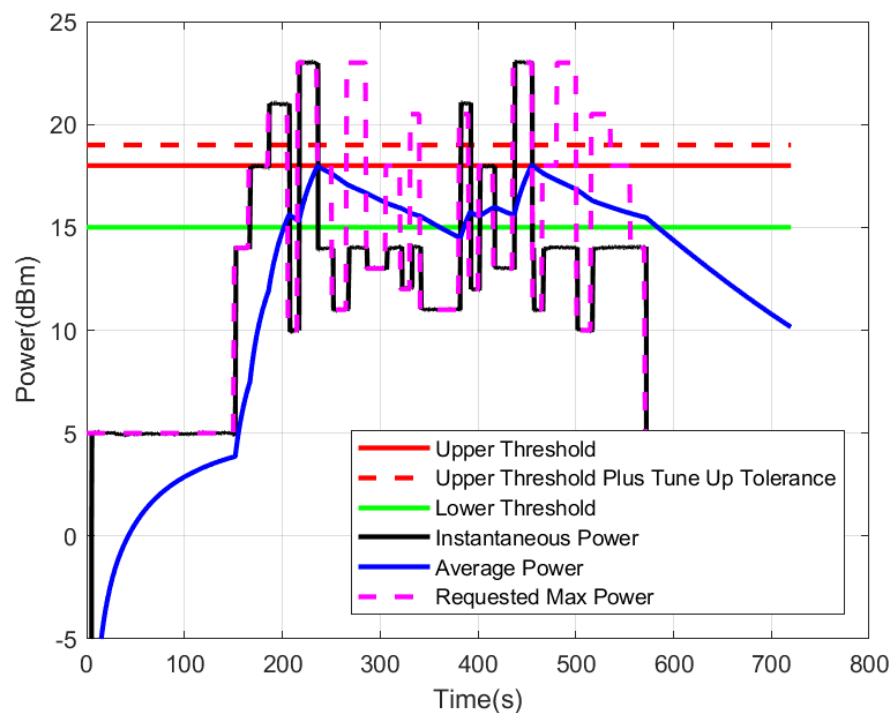
18

Avg\_SAR\_LowThresh [dBm]

15

Max\_Power\_DPR\_ON [dBm]

14





## 2.7. Time Varying Test Sequence - WCDMA

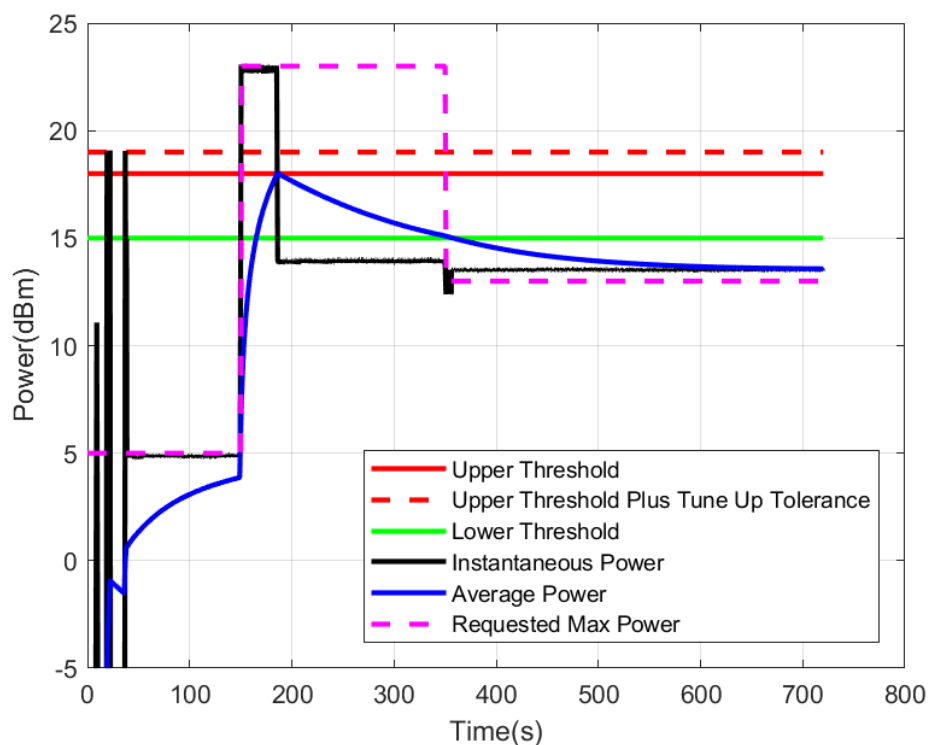
**Table 6 - Test Cases for Time Varying Test Sequence of WCDMA bands**

| Case | RAT   | Band | Max_Power_<br>DPR_OFF | Roll_Period | Check_Perio<br>d | Avg_SAR_Up<br>pThresh | Avg_SAR_Lo<br>wThresh | Max_Power_<br>DPR_ON |
|------|-------|------|-----------------------|-------------|------------------|-----------------------|-----------------------|----------------------|
| 1    | WCDMA | 2    | 23                    | 100         | 1                | 18                    | 15                    | 14                   |
| 2    | WCDMA | 2    | 23                    | 100         | 1                | 18                    | 15                    | 14                   |

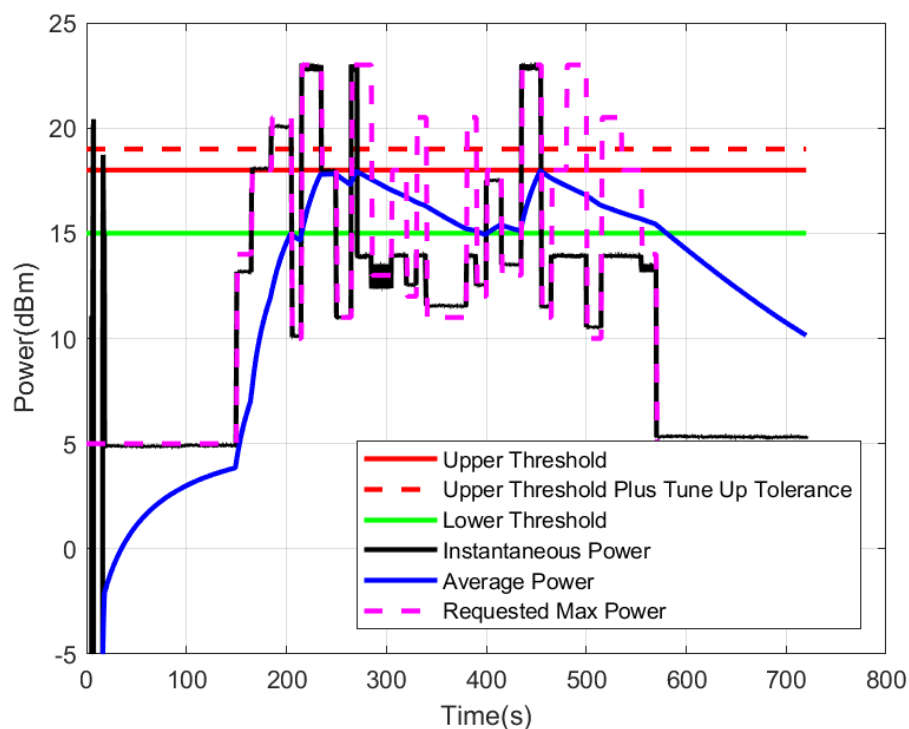
*Note: The Average power is calculated using the measured instantaneous power and compared to the UpperThreshold Plus Tune-Up Tolerance. This is applied for all the test cases in this report.*

**Case #1 : Sequence 1 - WCDMA Band 2 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

| Avg_SAR_UppThresh [dBm] | Avg_SAR_LowThresh [dBm] | Max_Power_DPR_ON [dBm] |
|-------------------------|-------------------------|------------------------|
| 18                      | 15                      | 14                     |


**Case #2: Sequence 2 - WCDMA Band 2 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec**

| Avg_SAR_UppThresh [dBm] | Avg_SAR_LowThresh [dBm] | Max_Power_DPR_ON [dBm] |
|-------------------------|-------------------------|------------------------|
| 18                      | 15                      | 14                     |

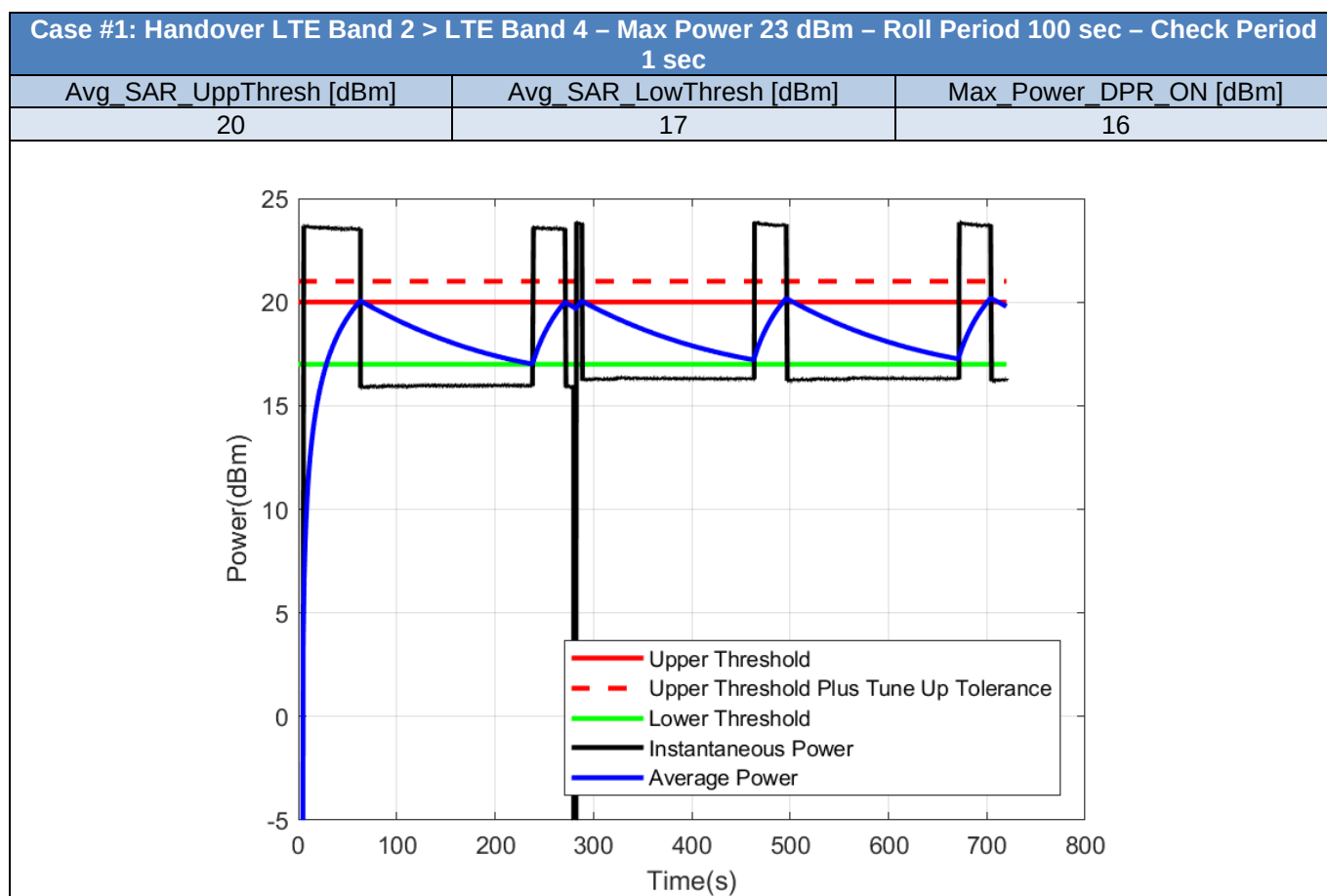


## 2.8. Handover - LTE-LTE

**Table 7 - Test Cases for Handover of LTE-LTE bands**

| Case | RAT | Band | Max_Power_DPR_OFF_dBm | Roll_Period_s | Check_Period_s | Avg_SAR_UppThresh_dBm | Avg_SAR_LowThresh_dBm | Max_Power_DPR_ON_dBm |
|------|-----|------|-----------------------|---------------|----------------|-----------------------|-----------------------|----------------------|
| 1    | LTE | 2    | 23                    | 100           | 1              | 20                    | 17                    | 16                   |
|      | LTE | 4    | 23                    | 100           | 1              | 20                    | 17                    | 16                   |

Note: The Average power is calculated using the measured instantaneous power and compared to the UpperThreshold Plus Tune-Up Tolerance. This is applied for all the test cases in this report.

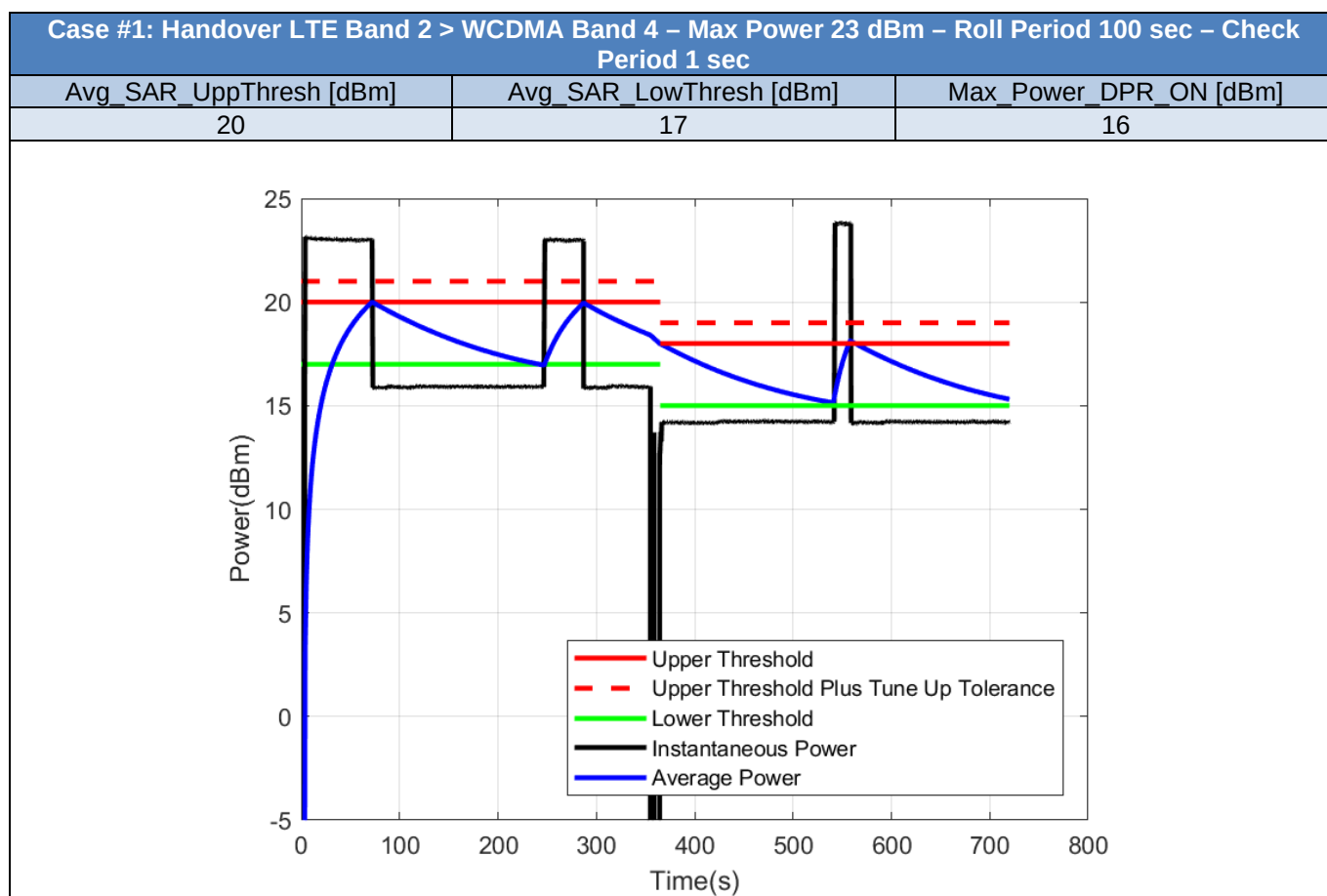


## 2.9. Handover - LTE-WCDMA

**Table 8 - Test Cases for Handover of LTE-WCDMA bands**

| Case | RAT   | Band | Max_Power_DPR_OFF_dBm | Roll_Period_s | Check_Period_s | Avg_SAR_UppThresh_dBm | Avg_SAR_LowThresh_dBm | Max_Power_DPR_ON_dBm |
|------|-------|------|-----------------------|---------------|----------------|-----------------------|-----------------------|----------------------|
| 1    | LTE   | 2    | 23                    | 100           | 1              | 20                    | 17                    | 16                   |
|      | WCDMA | 4    | 23                    | 100           | 1              | 18                    | 15                    | 14                   |

Note: The Average power is calculated using the measured instantaneous power and compared to the UpperThreshold Plus Tune-Up Tolerance. This is applied for all the test cases in this report.

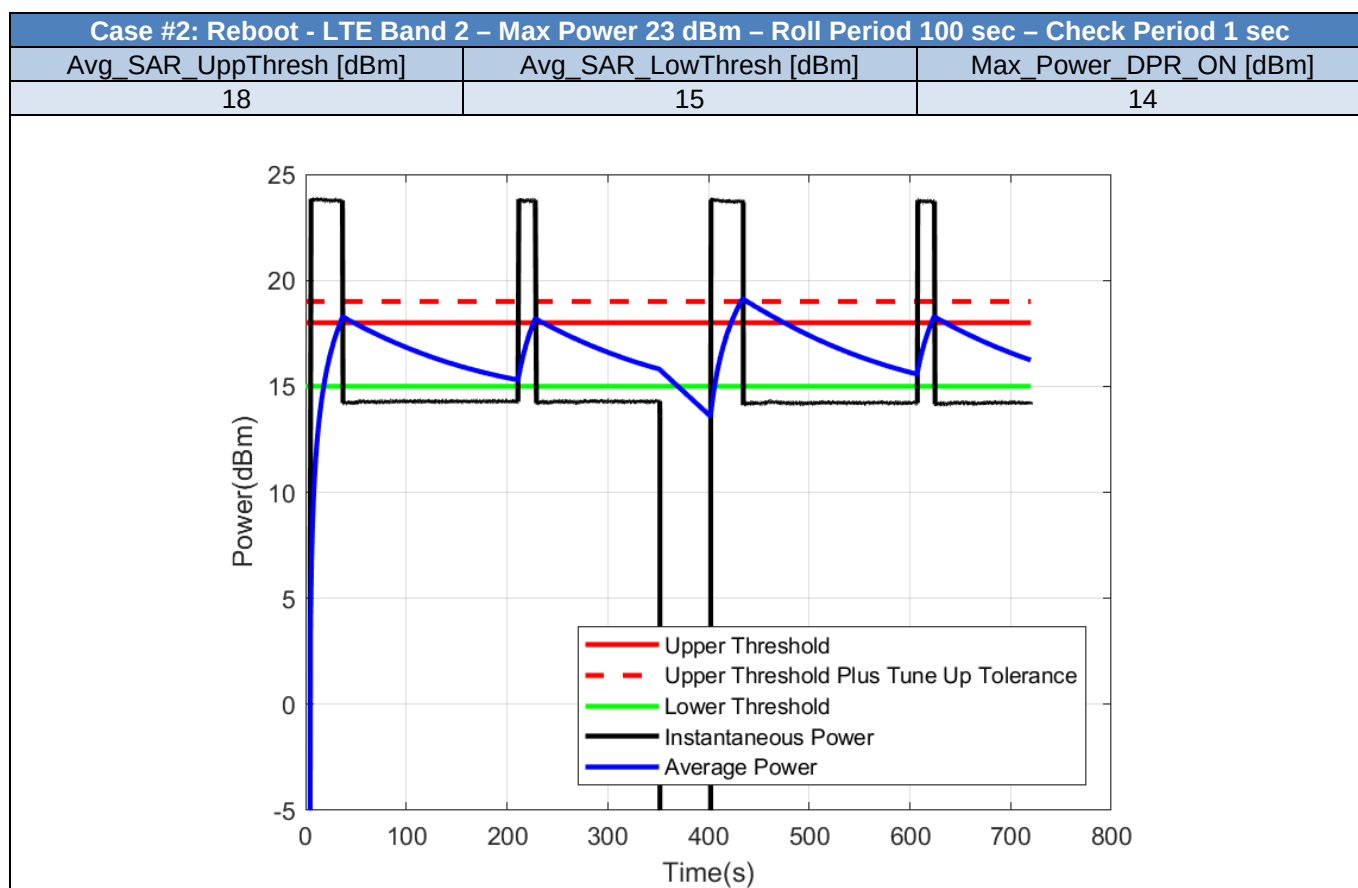
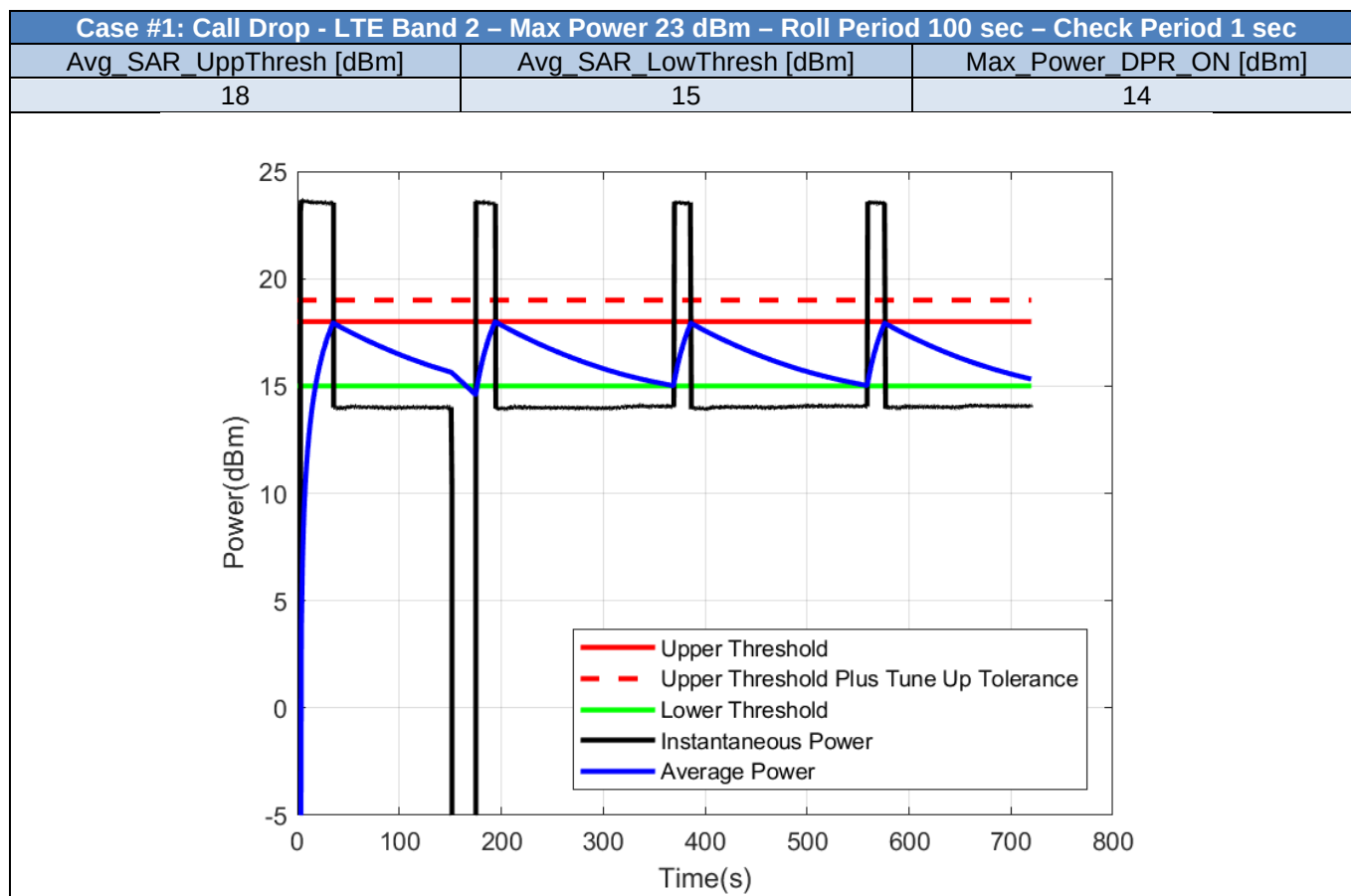


## 2.10. Call Drop and Reboot - LTE

*Table 9 - Test Cases for Call Drop and Reboot of LTE bands*

| Case | RAT | Band | Max_Power_<br>DPR_OFF | Roll_Period | Check_Perio<br>d | Avg_SAR_Up<br>pThresh | Avg_SAR_Lo<br>wThresh | Max_Power_<br>DPR_ON |
|------|-----|------|-----------------------|-------------|------------------|-----------------------|-----------------------|----------------------|
| 1    | LTE | 2    | 23                    | 100         | 1                | 18                    | 15                    | 14                   |
| 2    | LTE | 2    | 23                    | 100         | 1                | 18                    | 15                    | 14                   |

*Note: The Average power is calculated using the measured instantaneous power and compared to the UpperThreshold Plus Tune-Up Tolerance. This is applied for all the test cases in this report.*



### 3. Conclusion

The TAS functionality of XMM7360 Module Integrated inside HP Model HSC-I001R convertible notebook is tested. All test cases and corresponding test configurations work properly.