TEST REPORT

TAS ALGORITHM COMPLIANCE TEST REPORT

EUT Description	**Tablet**
Brand Name	**HP**
Model Name	**HSC-I006R**
FCC ID	**B94HCI006RPT**
Date of Test Start/End	**2022-08-07 / 2022-10-07**
Features	**LTE, WCDMA**

Applicant	**HP Inc.**
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Test Report identification	**220720-02.TR01**
Revision Control	**Rev. 01** **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

a. The DUT which is a Fibocom M2 L860-GL module contains the XMM7560 R+ Cellular Modem, and installed inside HP model HSC-I006R convertible system.

b. The control PC is used to configure the Call Box to send power control test sequences to the XMM7560 R+

c. 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 XMM7560 R+ .

d. The values of Avg_SAR_Power are read from the XMM7560 R+ by the PC at each Avg_SAR_Check_Period

e. In additional 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 XMM7560 R+ 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 sigals is avoided.

f. Path loss in the power measurement setup from the XMM7560 R+ Main Antenna port to either the Call Box or the Spectrum Analyser is taked into account

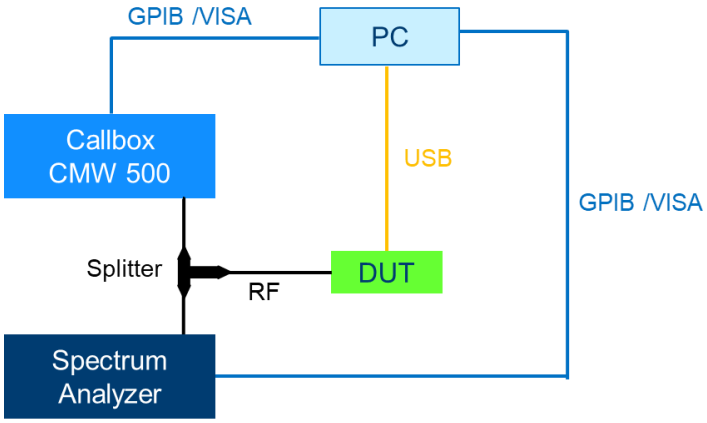


Figure 1 - Test Setup

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
179-000	Communication Tester	CMW500	163104	Rohde & Schwarz	2022-02-02	2024-02-02
271-000	Spectrum Analyzer	FSL6	102143	Rohde & Schwarz	2022-04-26	2024-04-26
024	Setup Cable	-	-	-	Used for all tests excepted for LTE48	
025	Setup cable	-	-	-	Used for LTE 48 Band Validation	

1.3. Test Samples

Sample	ID	Description	Model	Laptop Serial	S/N module	IMEI	Note
#1	220720-02.S04	Tablet with Fibocom L860-GL-16	HSC-I006R	002770F4Q	C902NE00HT	359869740745240	Used for all test cases excepted for LTE48
#2	220720-02.S03	Tablet with Fibocom L860-GL-16	HSC-I006R	0002770FBL	C902MY00CN	359869740093567	Used for Band Validation LTE 48

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

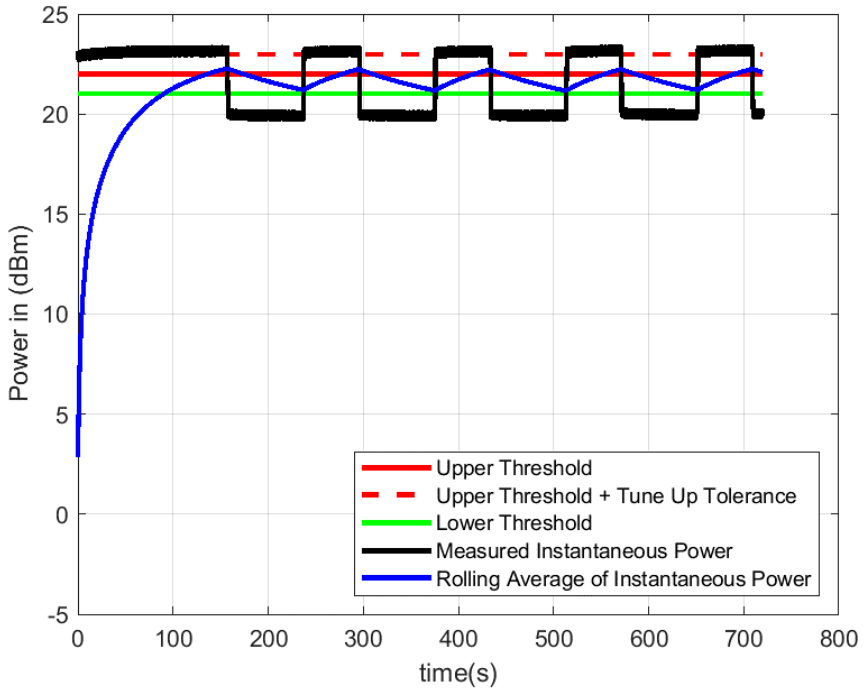
2.2. TAS Parameters Range Compliance - LTE

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

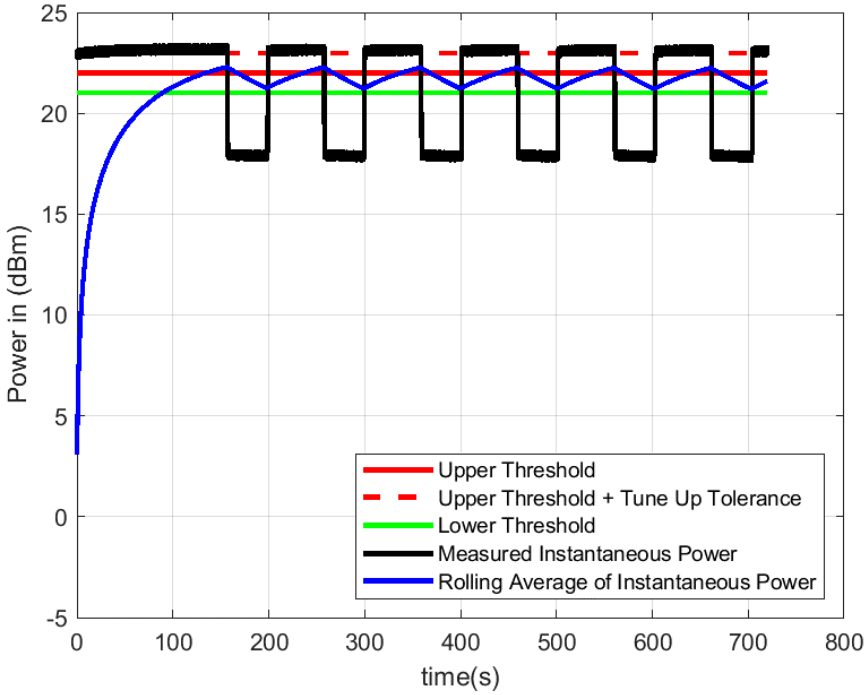
Case	RAT	Band	Max_Power_DPR_OFF_dBm	Roll_Period_s	Check_Period_s	Avg_SAR_UppThresh_dBm	Avg_SAR_LowThresh_dBm	Max_Power_DPR_ON_dBm
1	LTE	2	23	100	1	22	21	20
2	LTE	2	23	100	1	22	21	18
3	LTE	2	23	100	1	22	19	18
4	LTE	2	23	100	1	22	19	16
5	LTE	2	23	100	1	18	17	16
6	LTE	2	23	100	1	18	17	14
7	LTE	2	23	100	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.

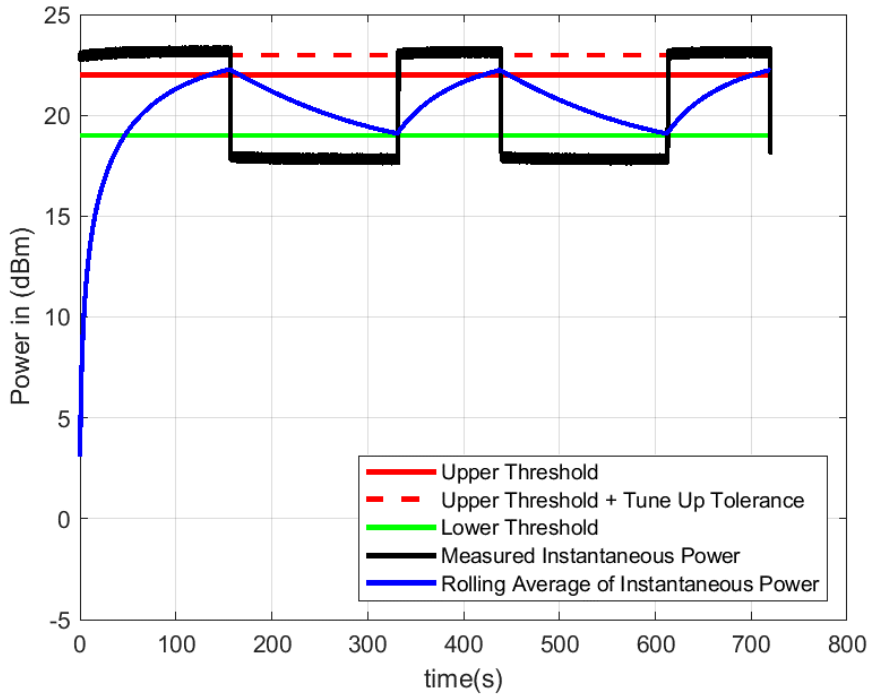
Case #1: LTE Band 2 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
22	21	20



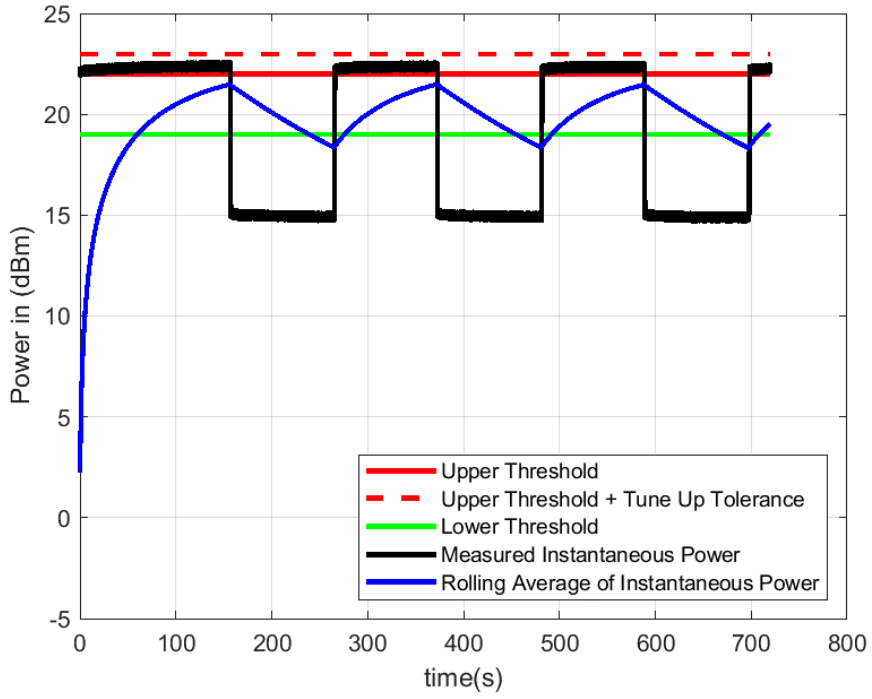
Case #2: LTE Band 2 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
22	21	18



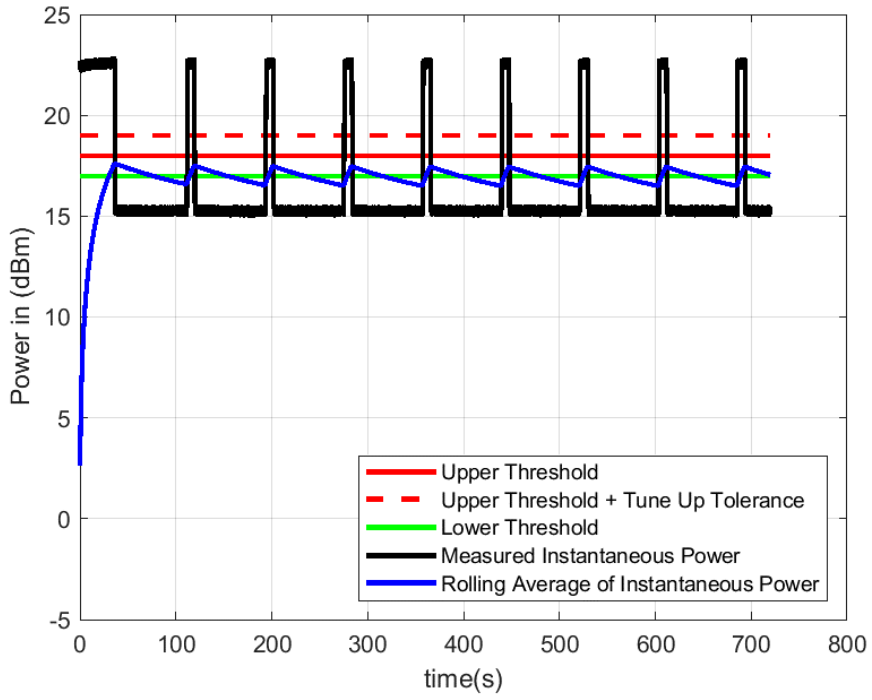
Case #3: LTE Band 2 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
22	19	18



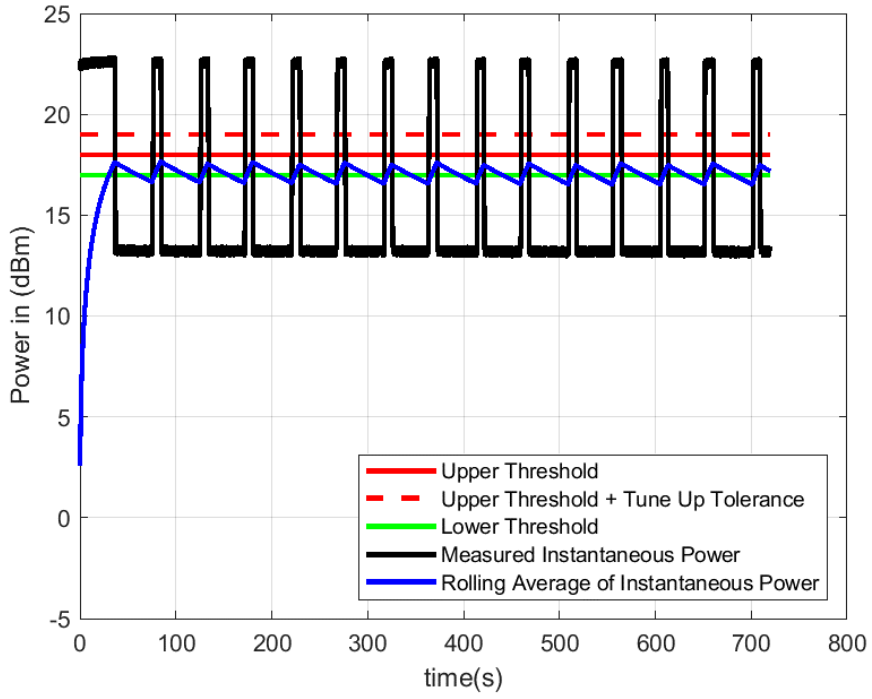
Case #4: LTE Band 2 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
22	19	16



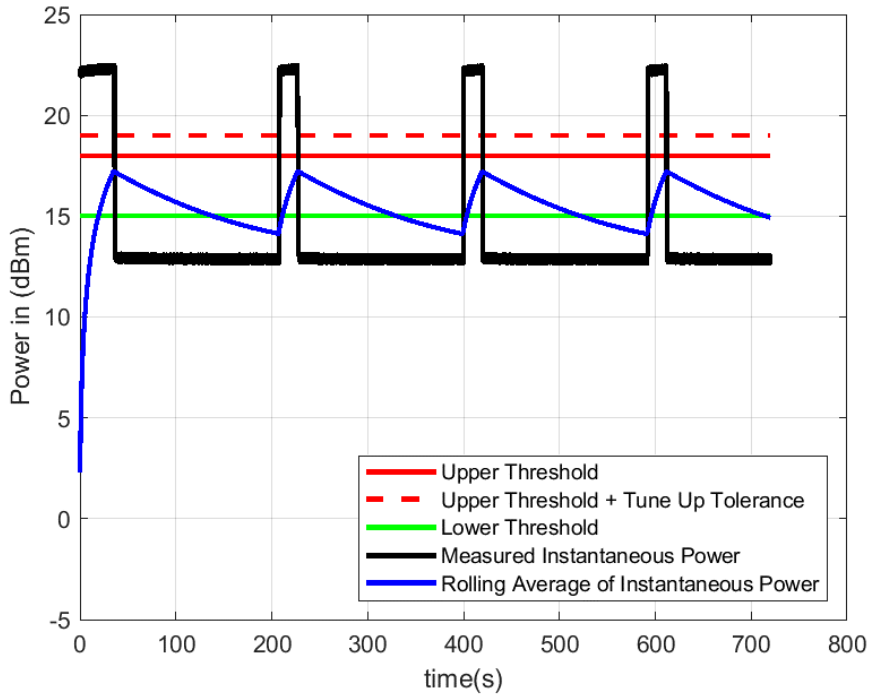
Case #5: LTE Band 2 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
18	17	16



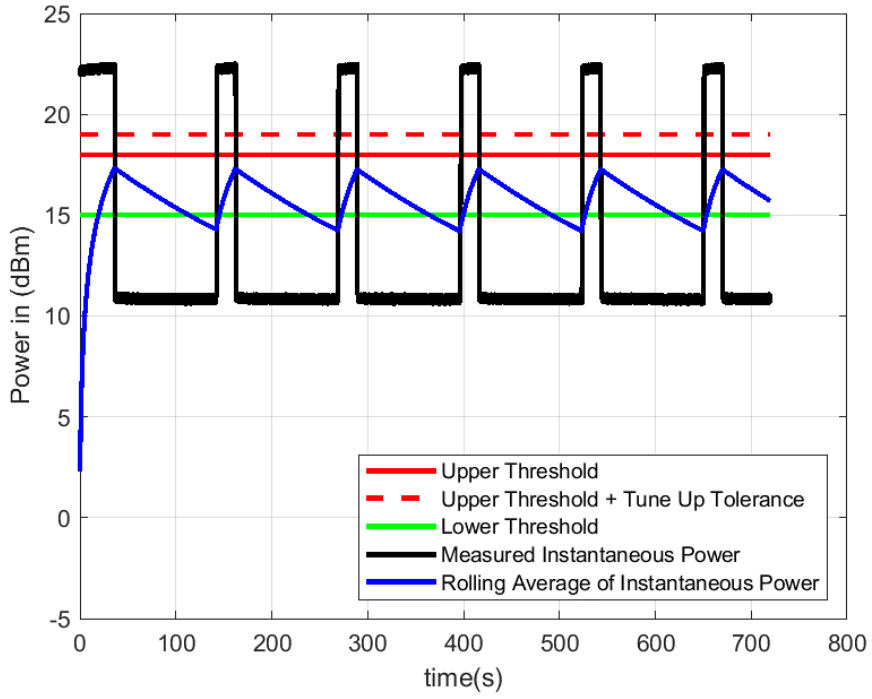
Case #6: LTE Band 2 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
18	17	14



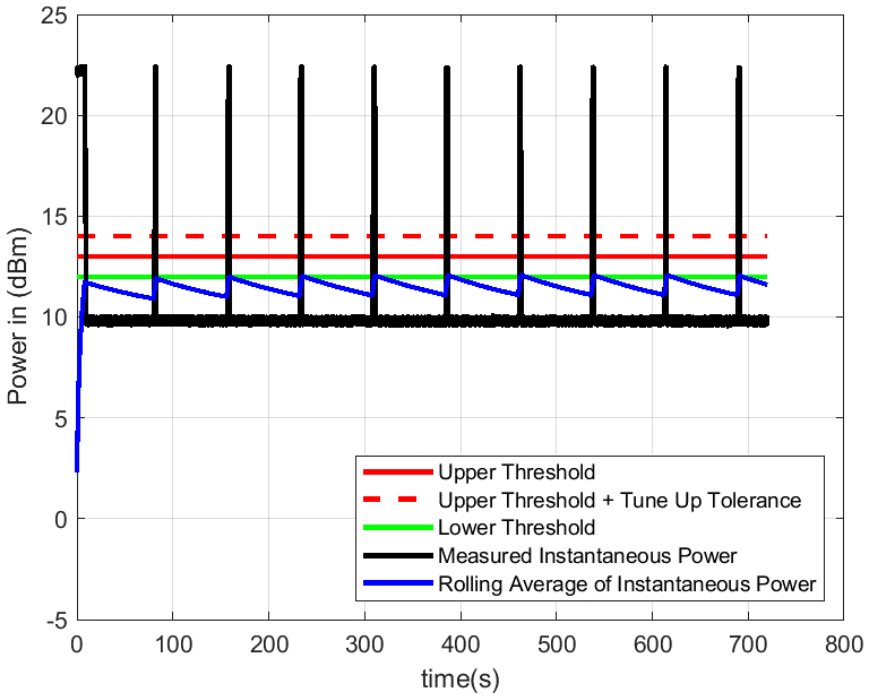
Case #7: LTE Band 2 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
18	15	14



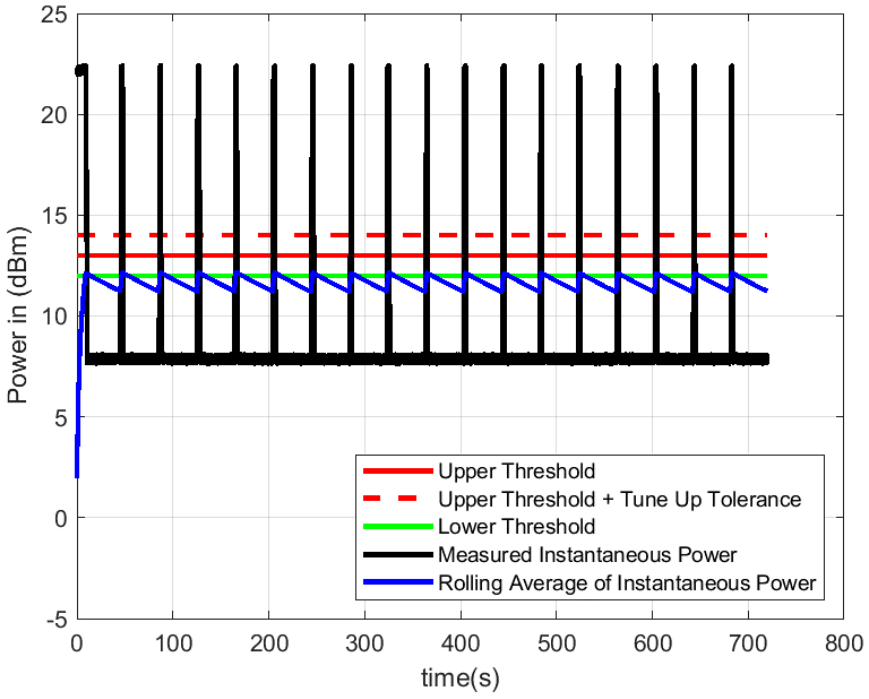
Case #8: LTE Band 2 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
18	15	12



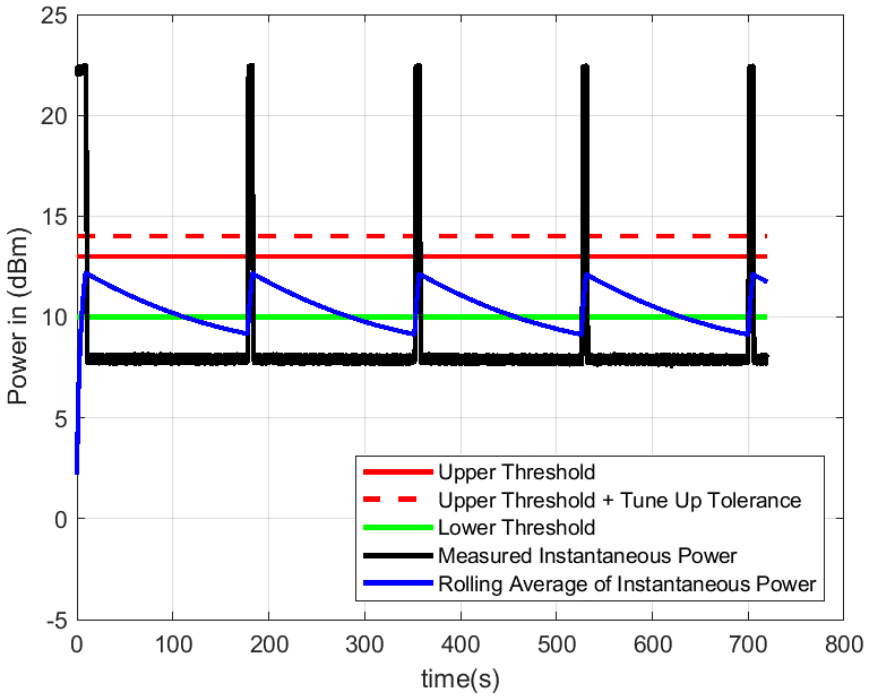
Case #9: LTE Band 2 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
13	12	11



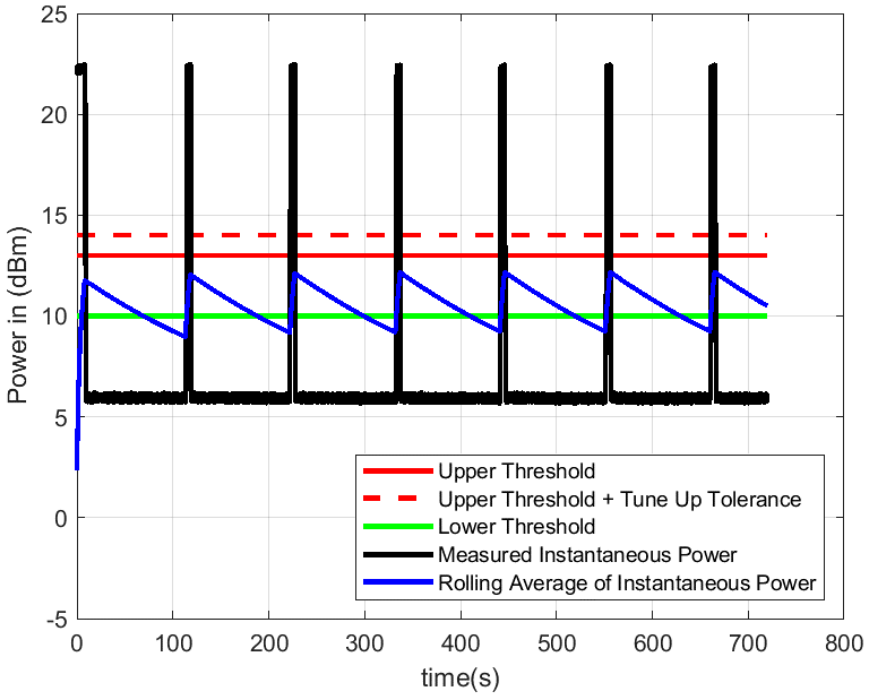
Case #10: LTE Band 2 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
13	12	9



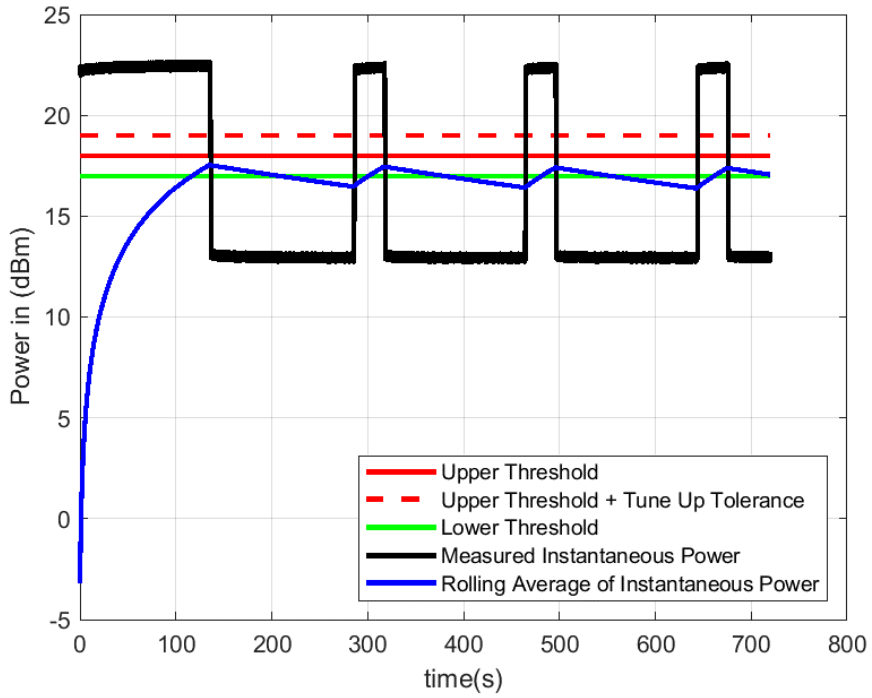
Case #11: LTE Band 2 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
13	10	9



Case #12: LTE 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]
13	10	7



Case #13: LTE Band 2 – 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]
18	17	14



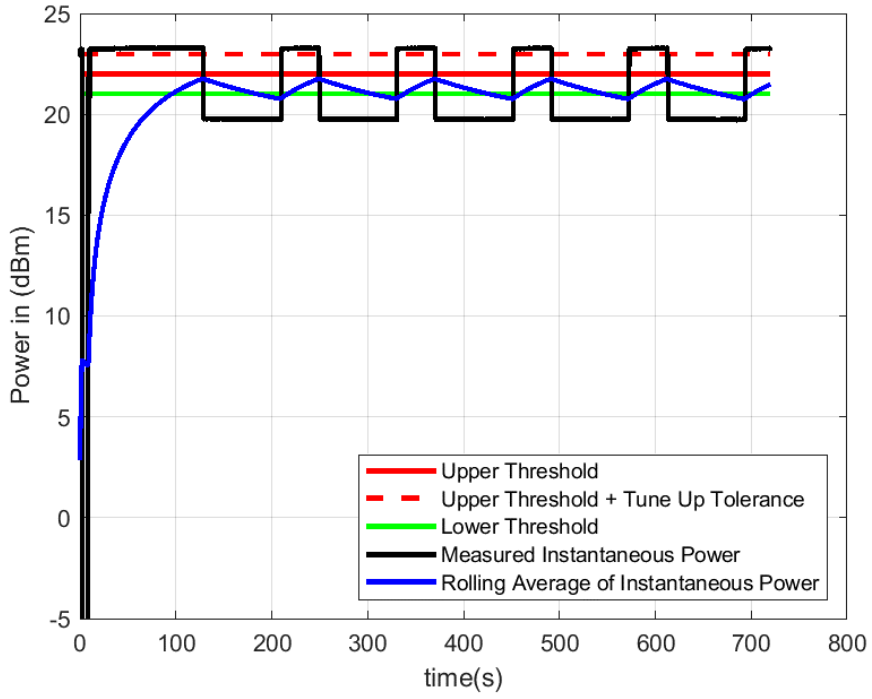
2.3. TAS Parameters Range Compliance - WCDMA

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

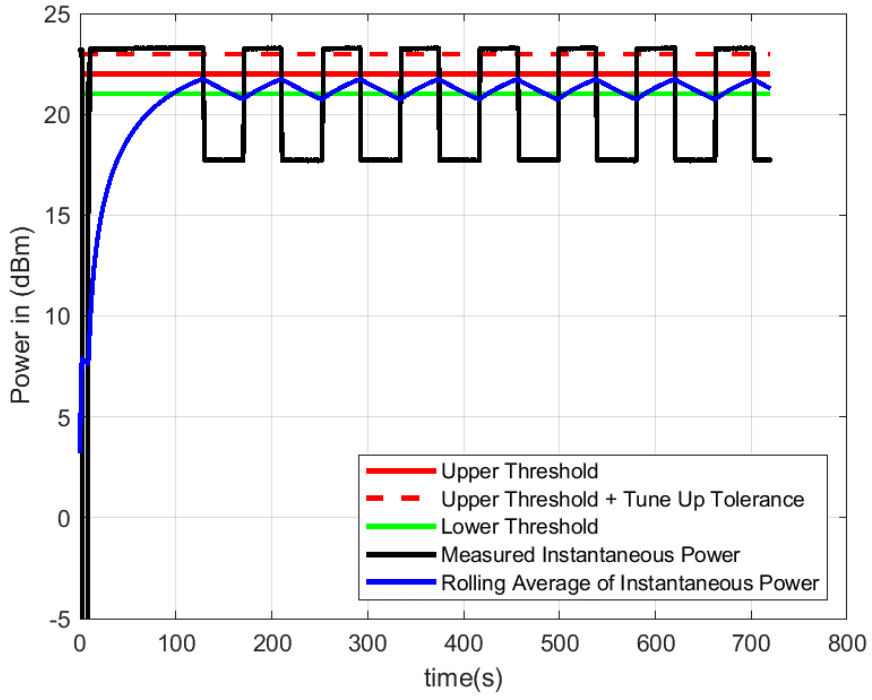
Case	RAT	Band	Max_Power_DPR_OFF_dBm	Roll_Period_s	Check_Period_s	Avg_SAR_UppThresh_dBm	Avg_SAR_LowThresh_dBm	Max_Power_DPR_ON_dBm
14	WCDMA	2	23.5	100	1	22	21	20
15	WCDMA	2	23.5	100	1	22	21	18
16	WCDMA	2	23.5	100	1	22	19	18
17	WCDMA	2	23.5	100	1	22	19	16
18	WCDMA	2	23.5	100	1	18	17	16
19	WCDMA	2	23.5	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.

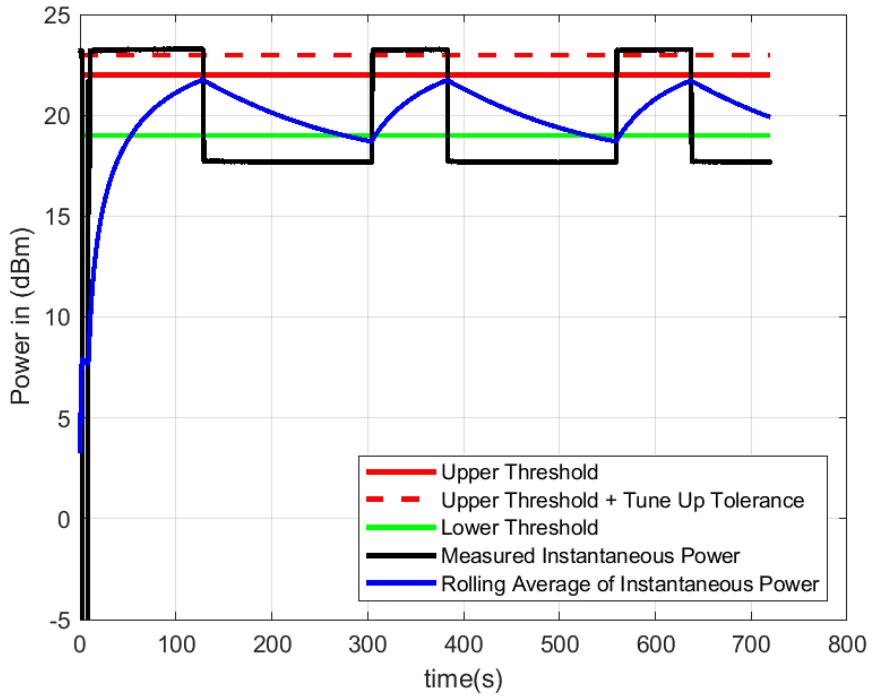
Case #14: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
22	21	20



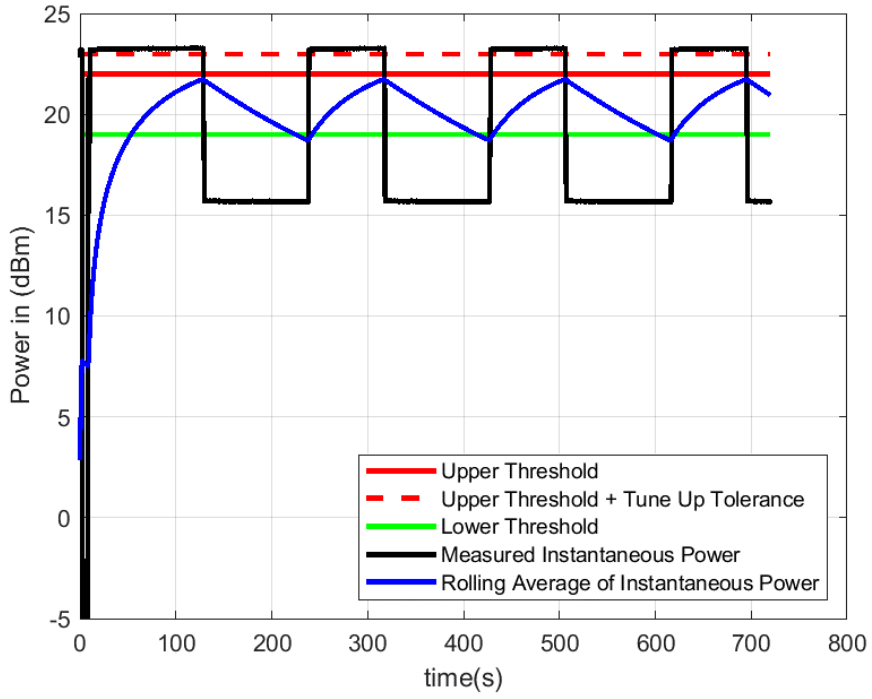
Case #15: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
22	21	18



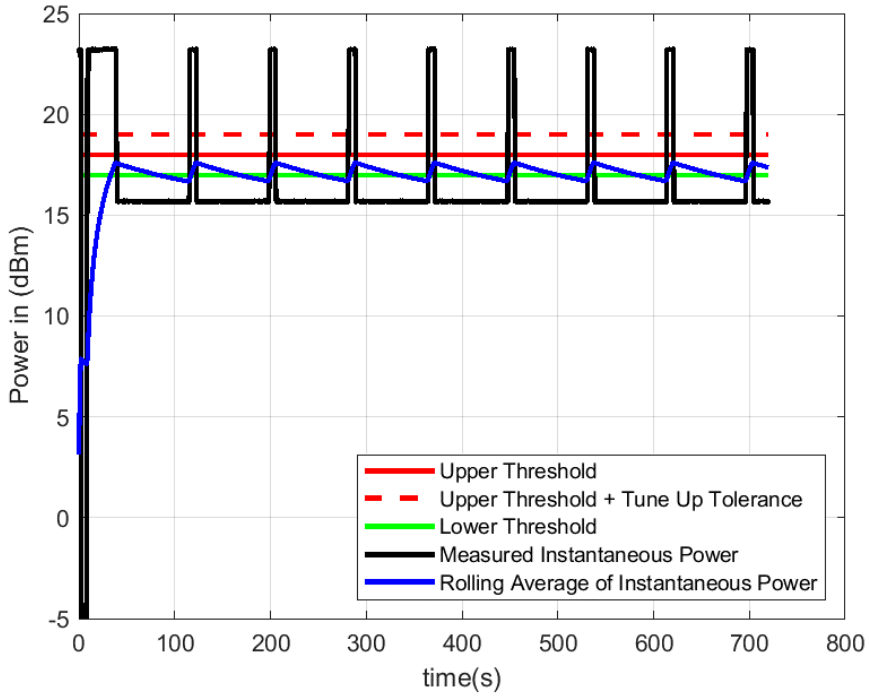
Case #16: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
22	19	18



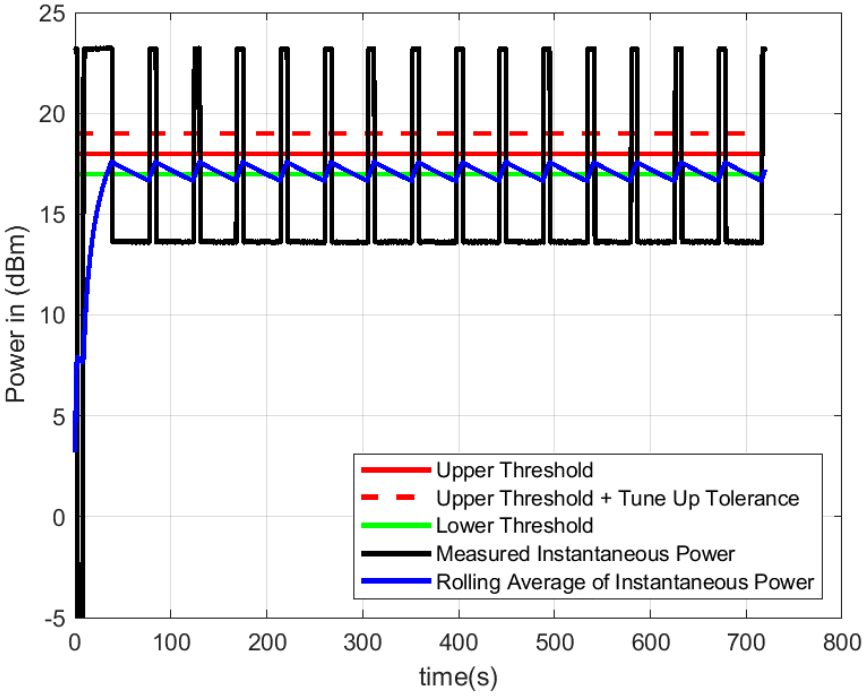
Case #17: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
22	19	16



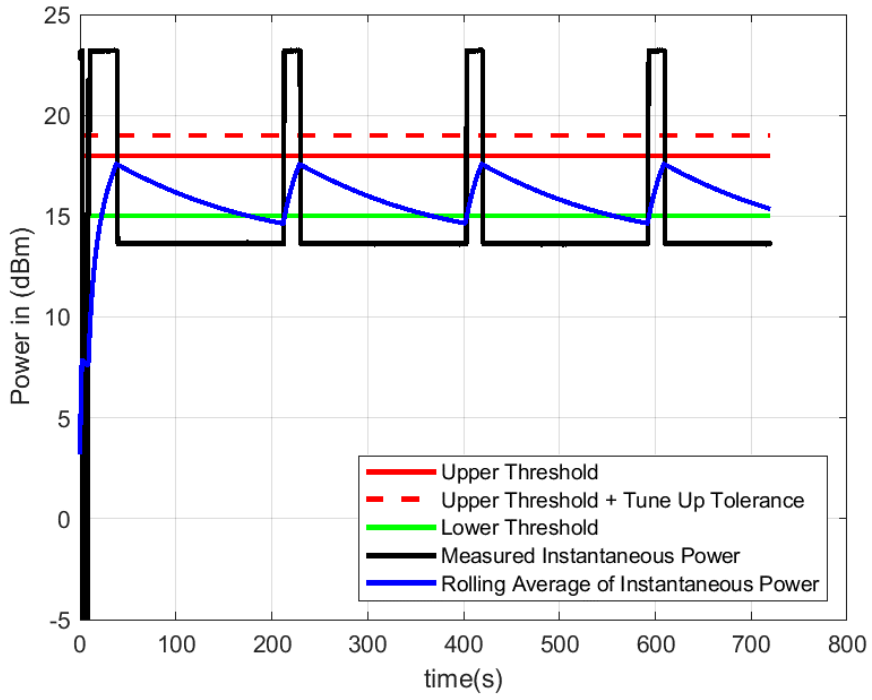
Case #18: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
18	17	16



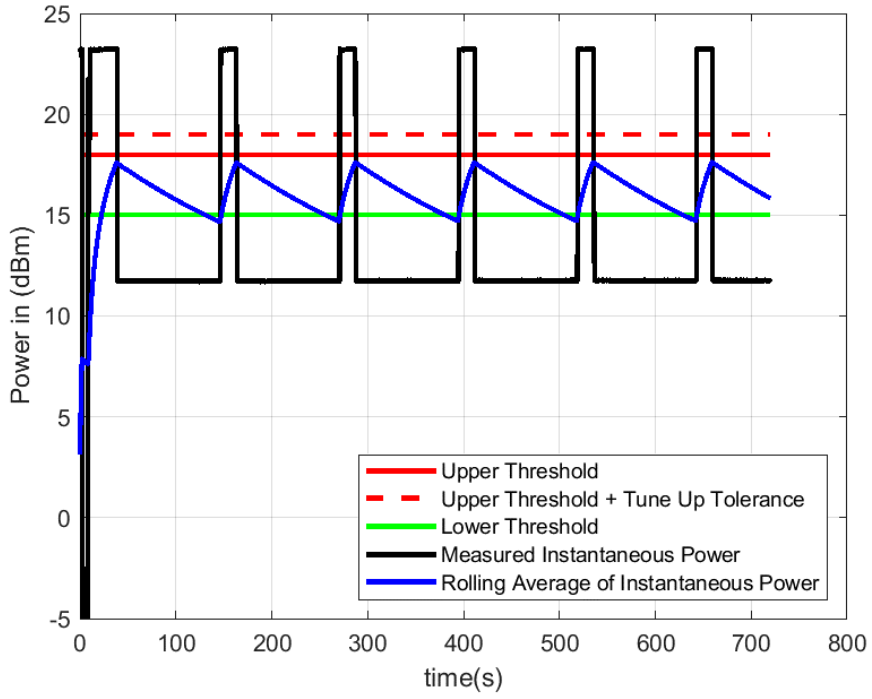
Case #19: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
18	17	14



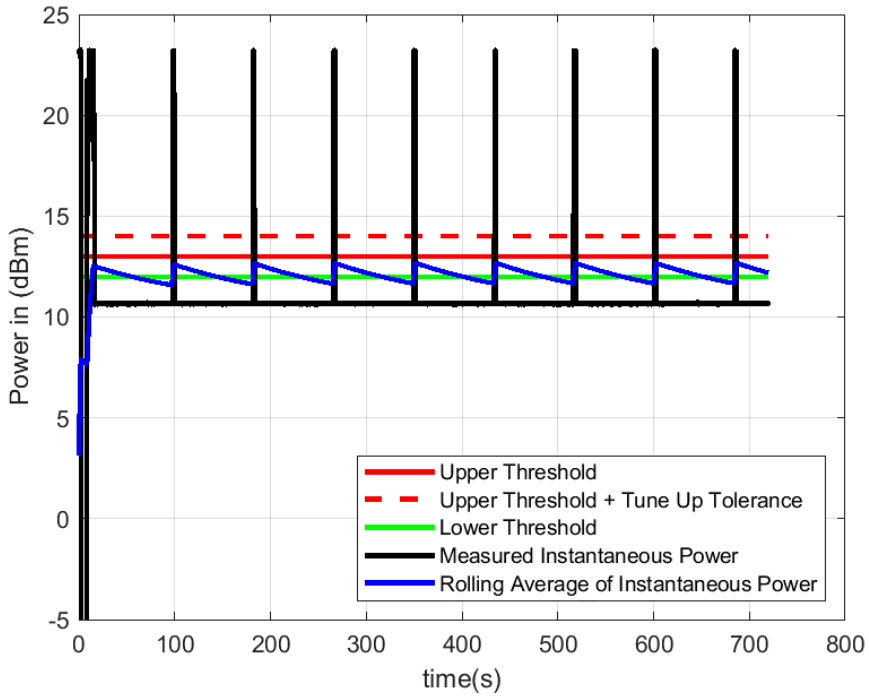
Case #20: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
18	15	14



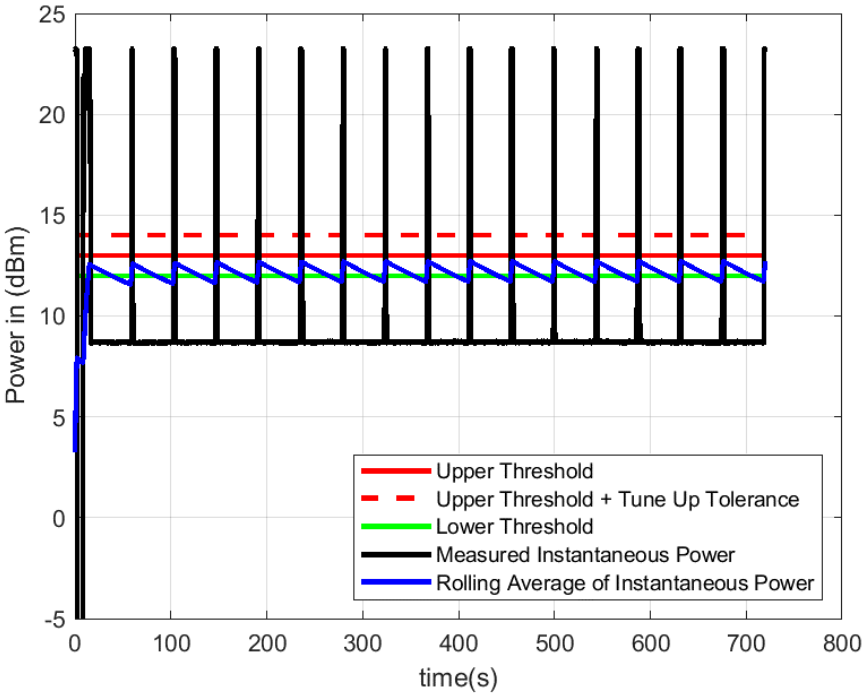
Case #21: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
18	15	12



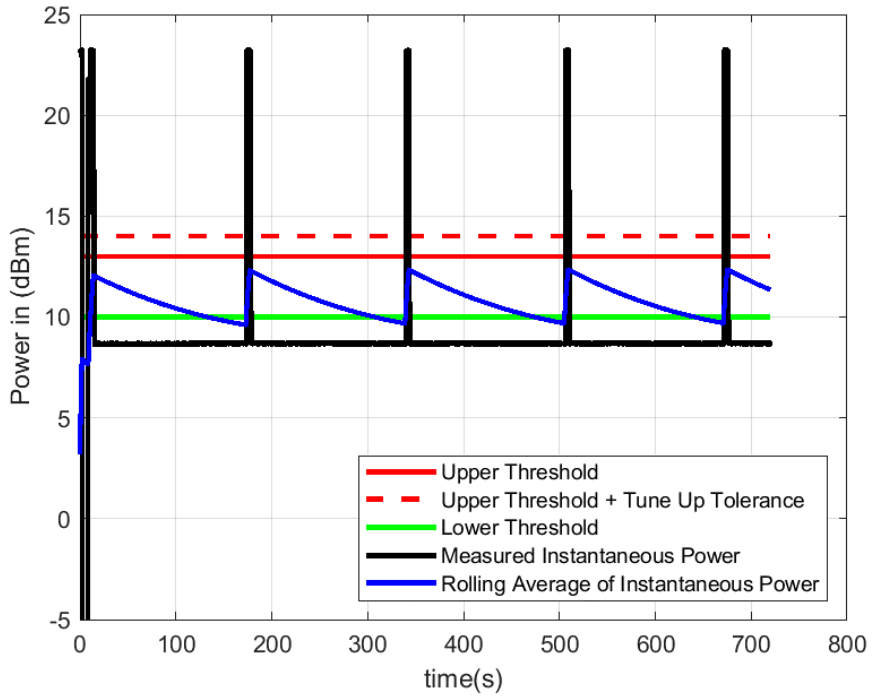
Case #22: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
13	12	11



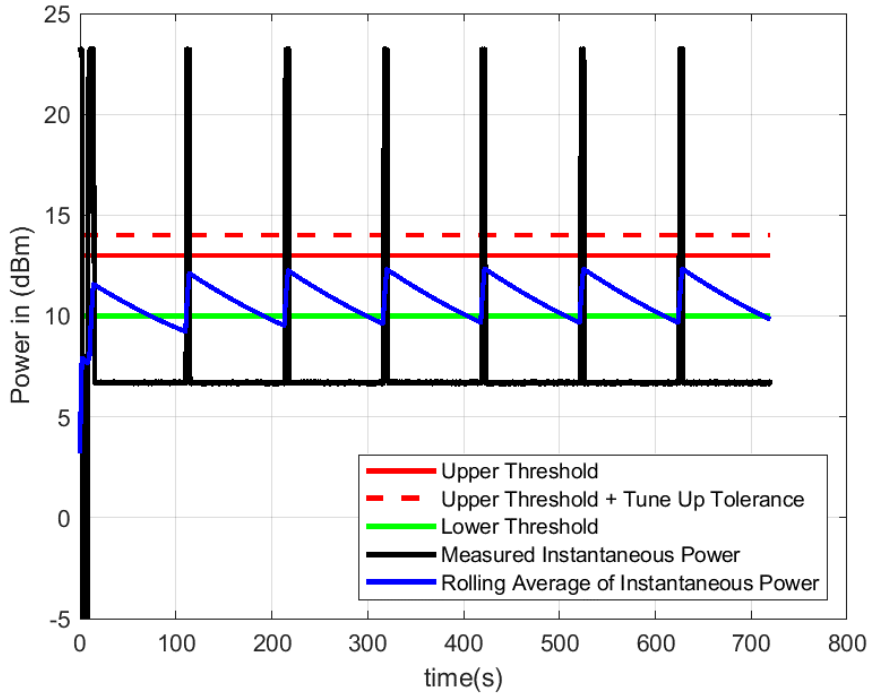
Case #23: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
13	12	9



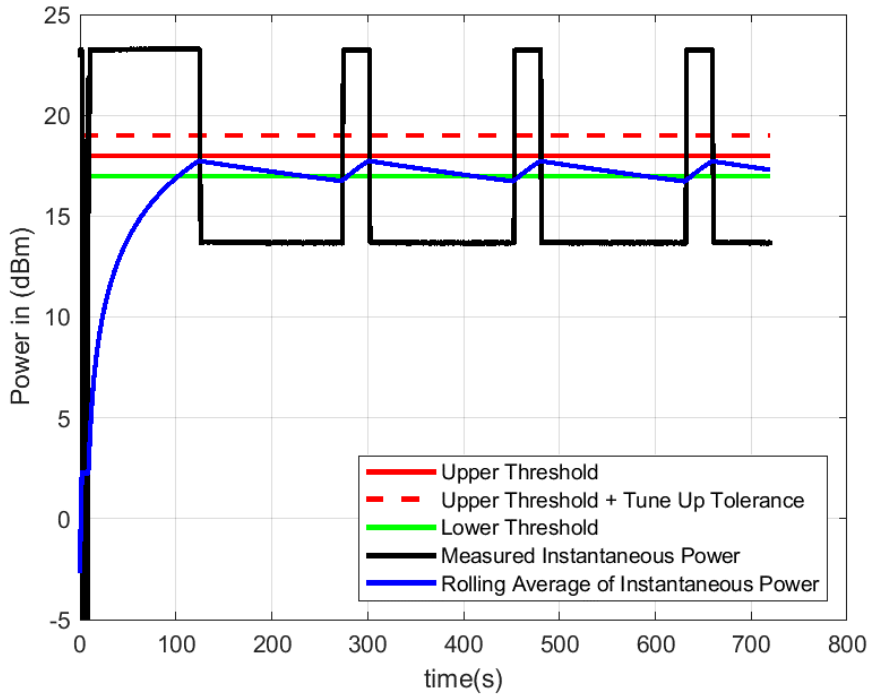
Case #24: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
13	10	9



Case #25: 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]
13	10	7



Case #26: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 360 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
18	17	14



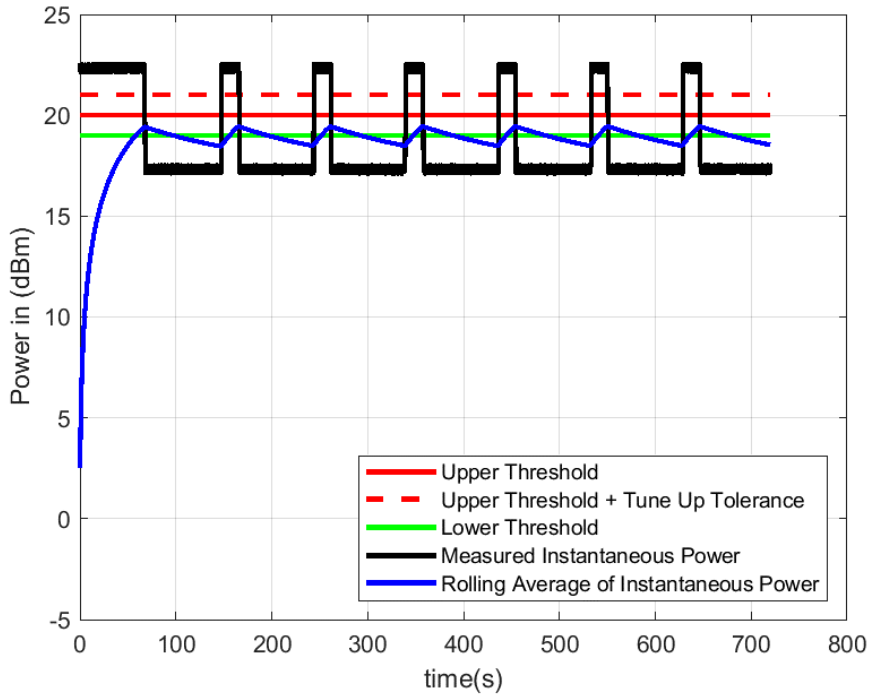
2.4. Bands Validation - LTE

Table 3 - Test Cases for Bands Compliance of LTE bands

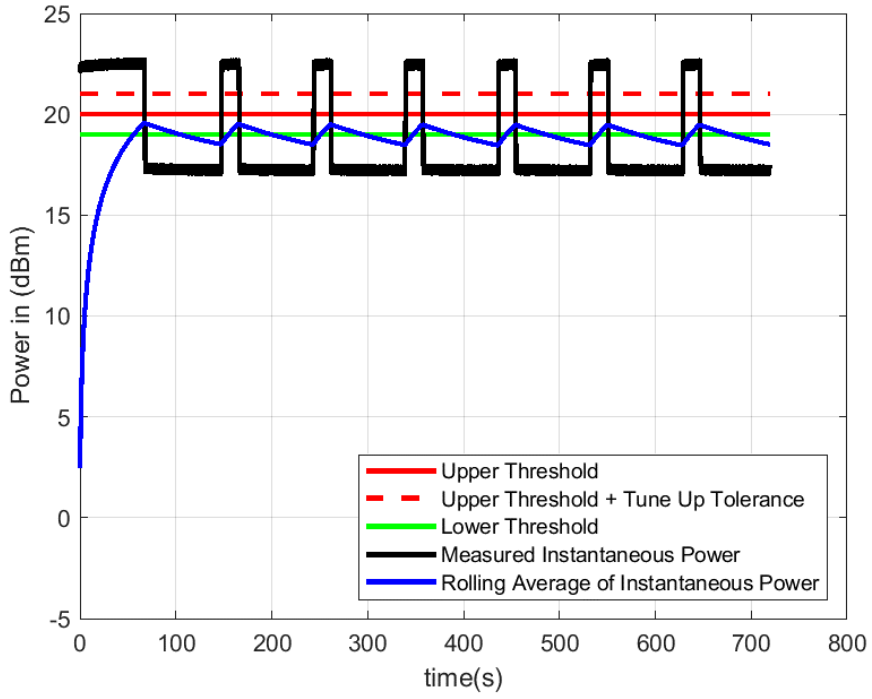
Case	RAT	Band	Max_Power_DPR_OFF_dBm	Roll_Period_s	Check_Period_s	Avg_SAR_UppThresh_dBm	Avg_SAR_LowThresh_dBm	Max_Power_DPR_ON_dBm
1	LTE	1	23	100	1	20	19	18
2	LTE	2	23	100	1	20	19	18
3	LTE	3	23	100	1	20	19	18
4	LTE	4	23	100	1	20	19	18
5	LTE	5	23	100	1	20	19	18
6	LTE	7	23	100	1	20	19	18
7	LTE	8	23	100	1	20	19	18
8	LTE	12	23	100	1	20	19	18
9	LTE	13	23	100	1	20	19	18
10	LTE	14	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	25	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	22	100	1	20	19	18
19	LTE	34	23	100	1	16	15	14
20	LTE	38	23	100	1	16	15	14
21	LTE	39	23	100	1	16	15	14
22	LTE	40	23	100	1	16	15	14
23	LTE	41	25	100	1	16	15	14
24	LTE	43	23	100	1	16	15	14
25	LTE	48	21	100	1	16	15	14
26	LTE	66	23	100	1	20	19	18
27	LTE	71	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.

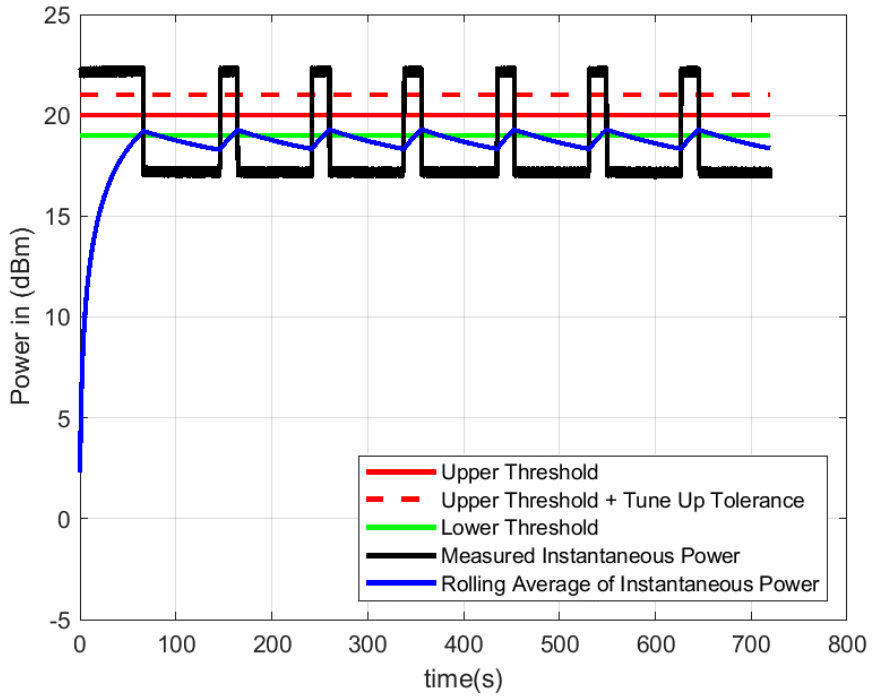
Case #1: LTE Band 1 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



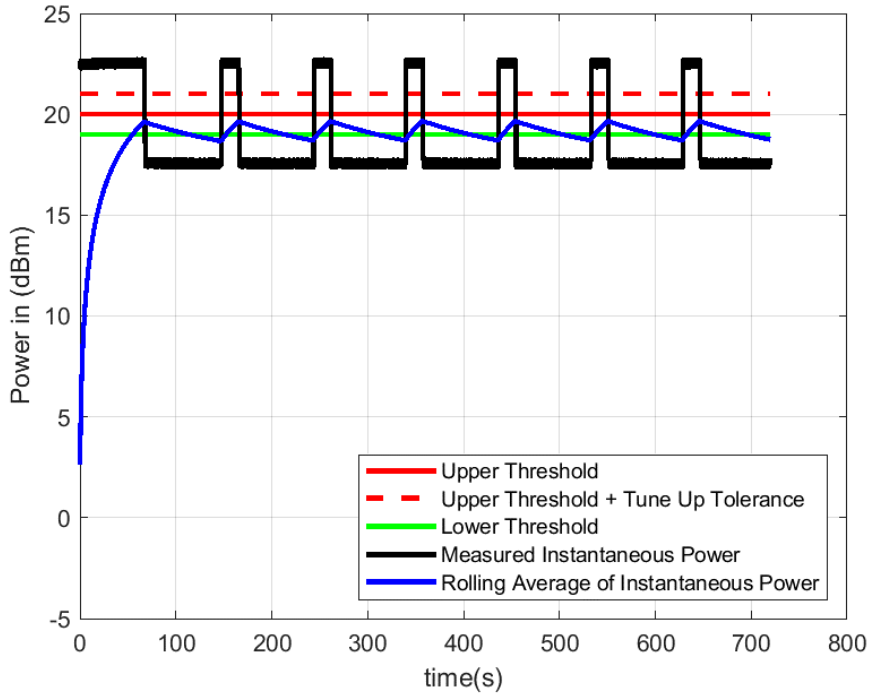
Case #2: LTE Band 2 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



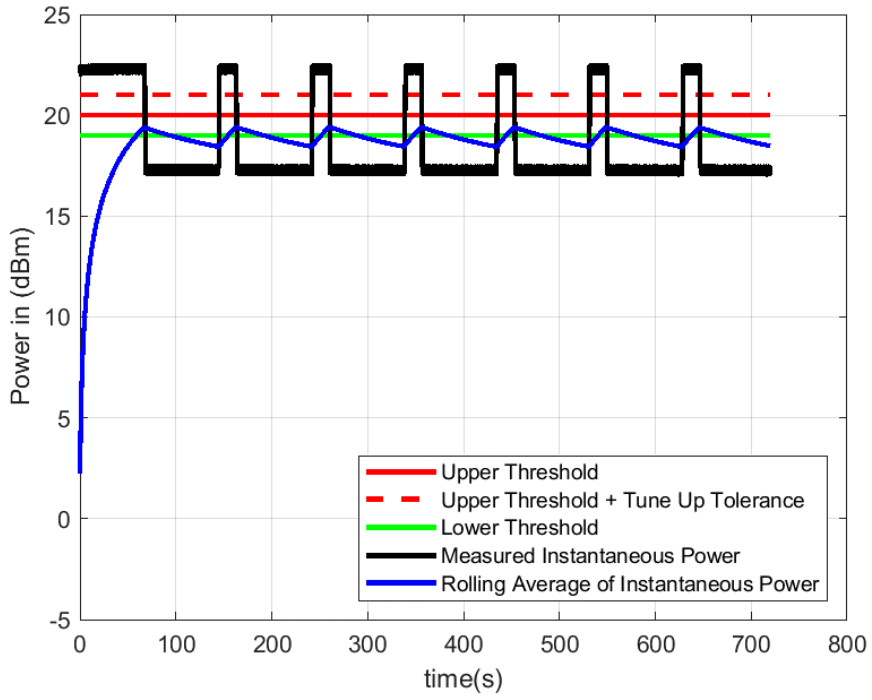
Case #3: LTE Band 3 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



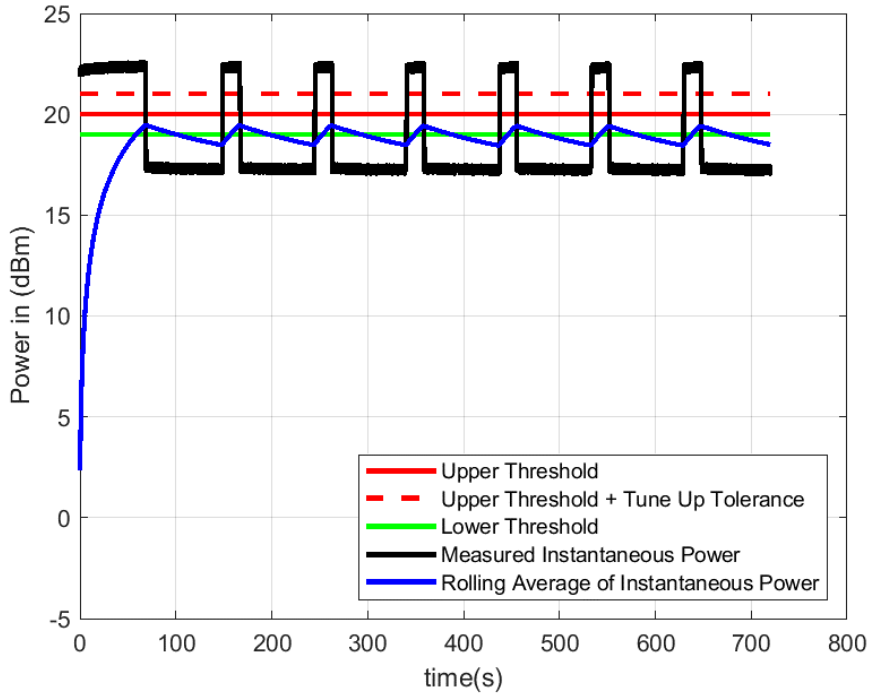
Case #4: LTE Band 4 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



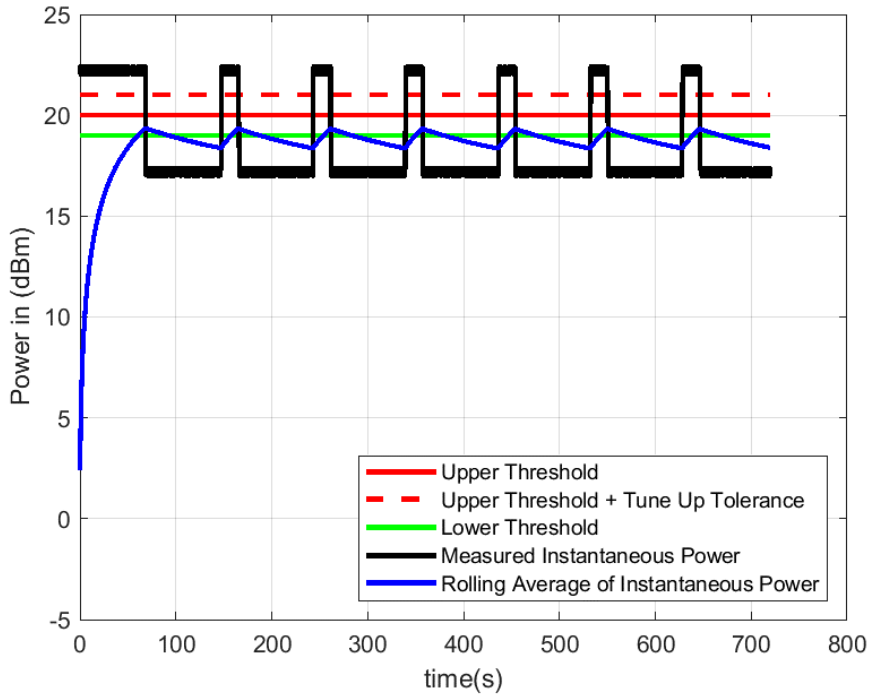
Case #5: LTE Band 5 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



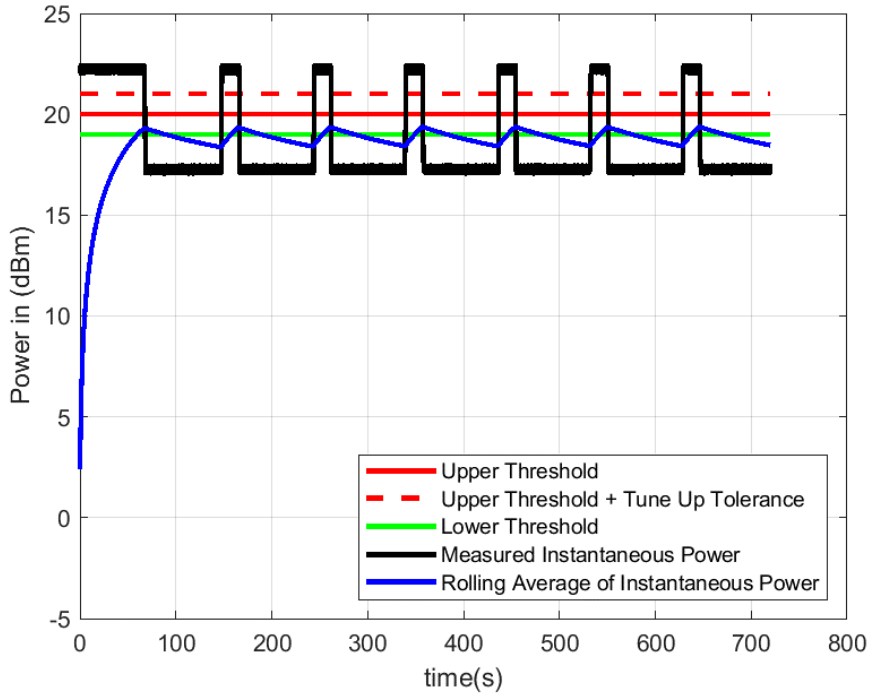
Case #6: LTE Band 7 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



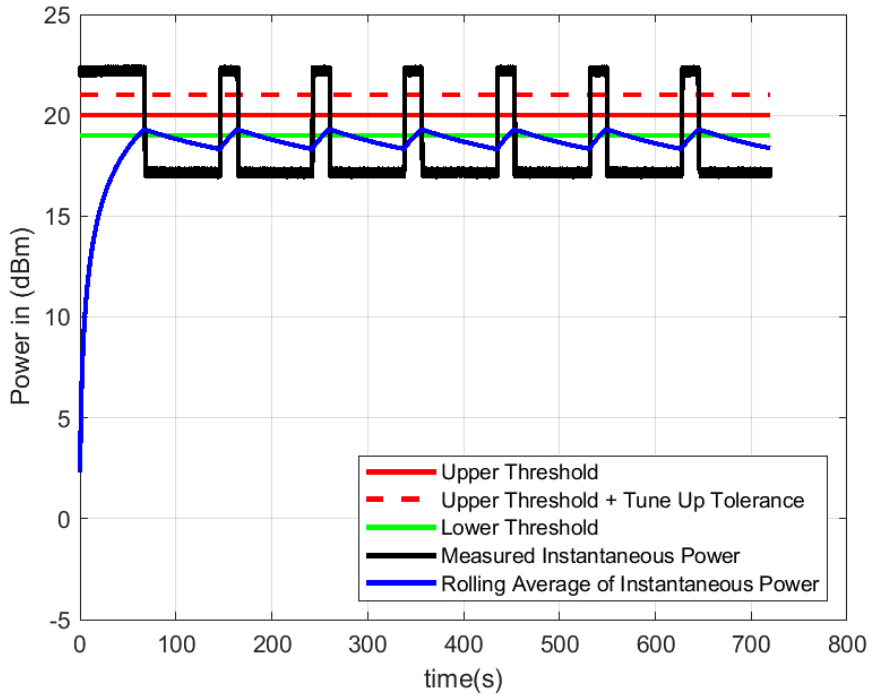
Case #7: LTE Band 8 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



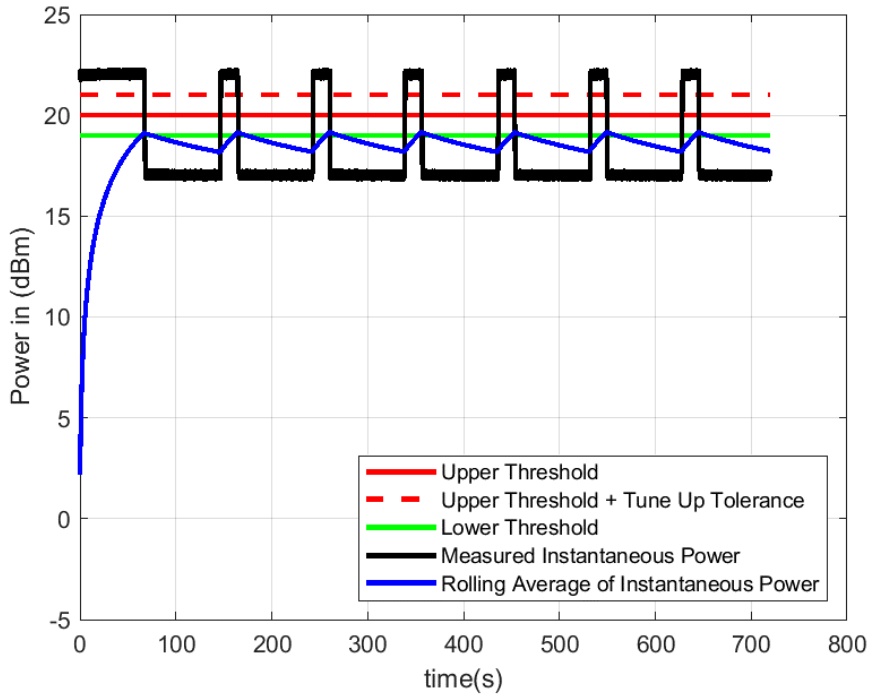
Case #8: LTE Band 12 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



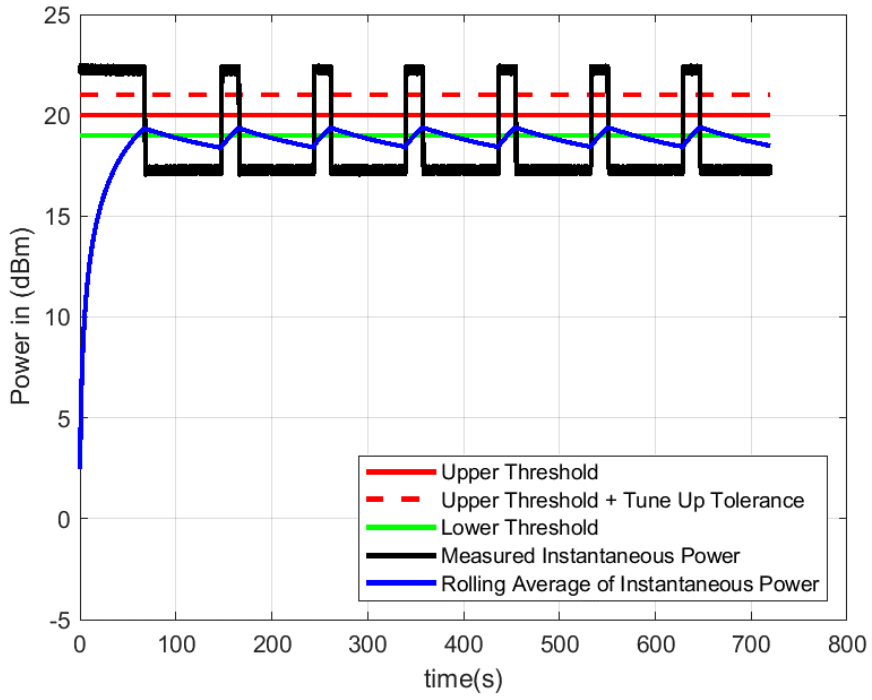
Case #9: LTE Band 13 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



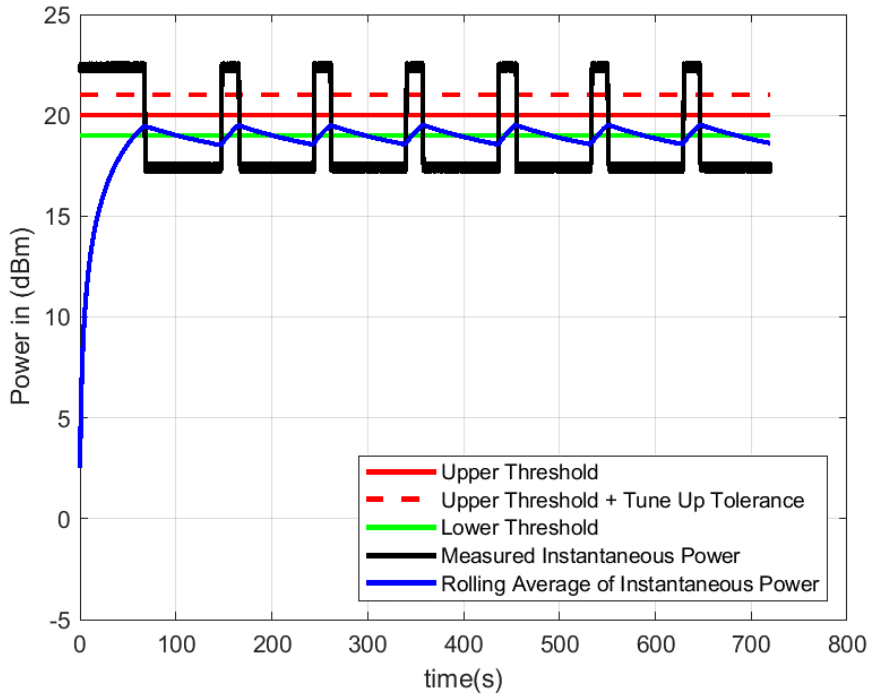
Case #10: LTE Band 14 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



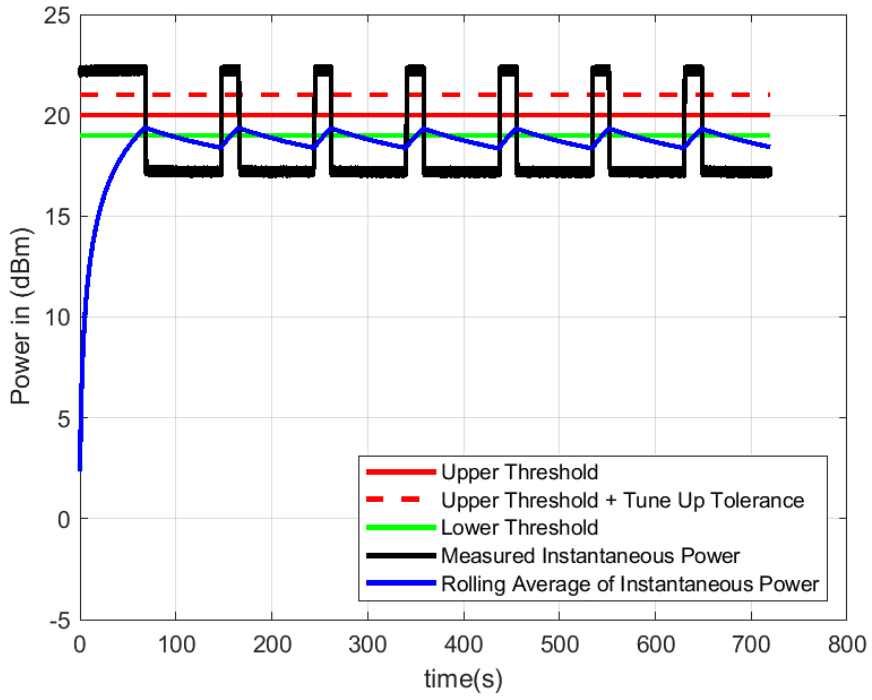
Case #11: LTE Band 17 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



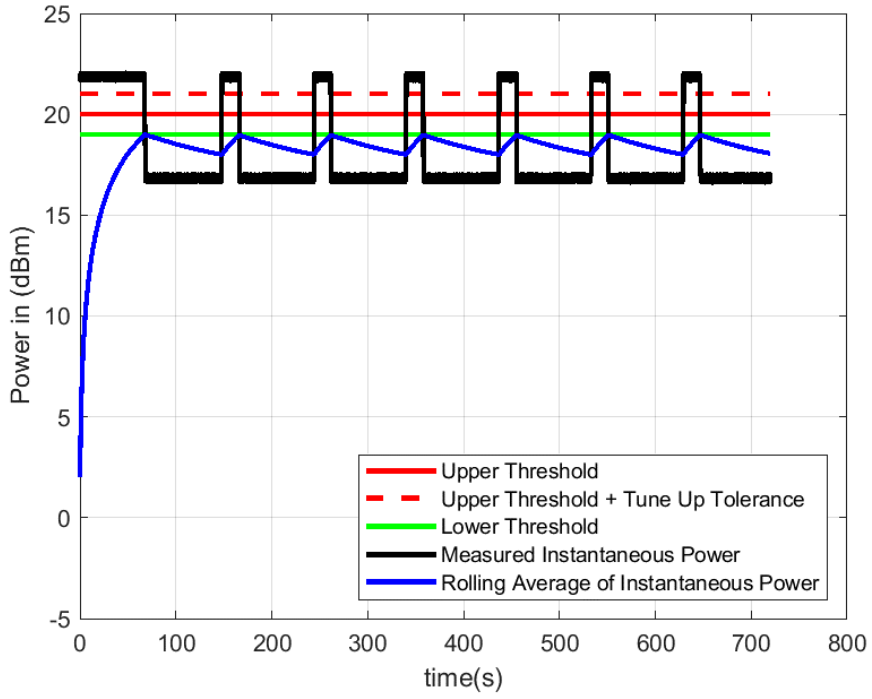
Case #12: LTE Band 18 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



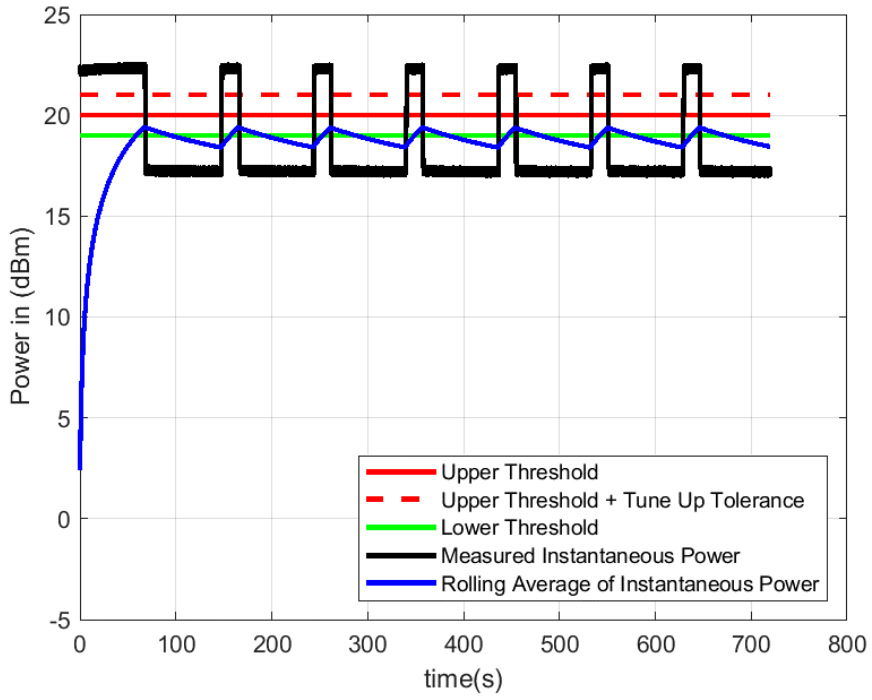
Case #13: LTE Band 19 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



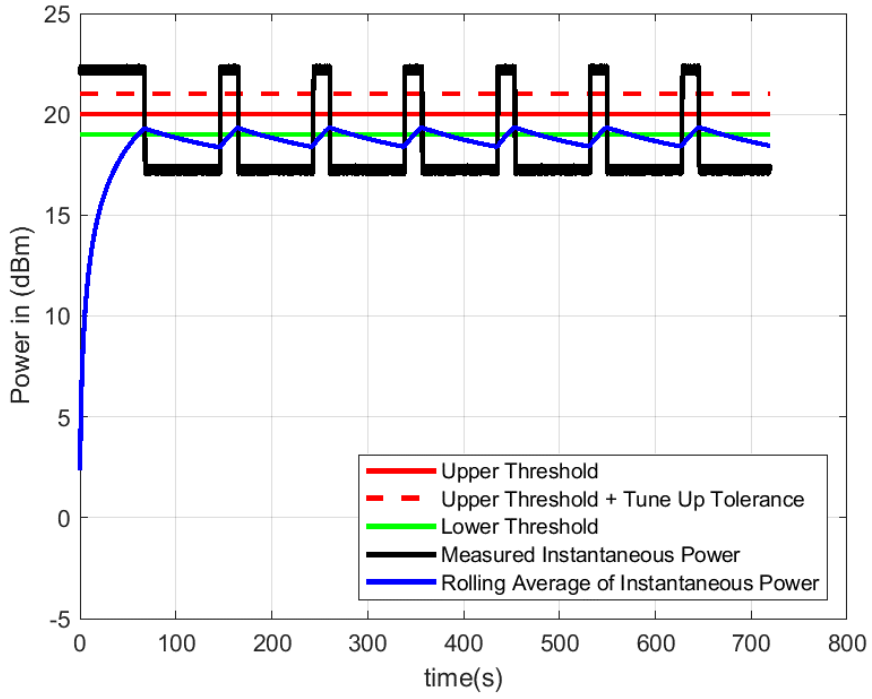
Case #14: LTE Band 20 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



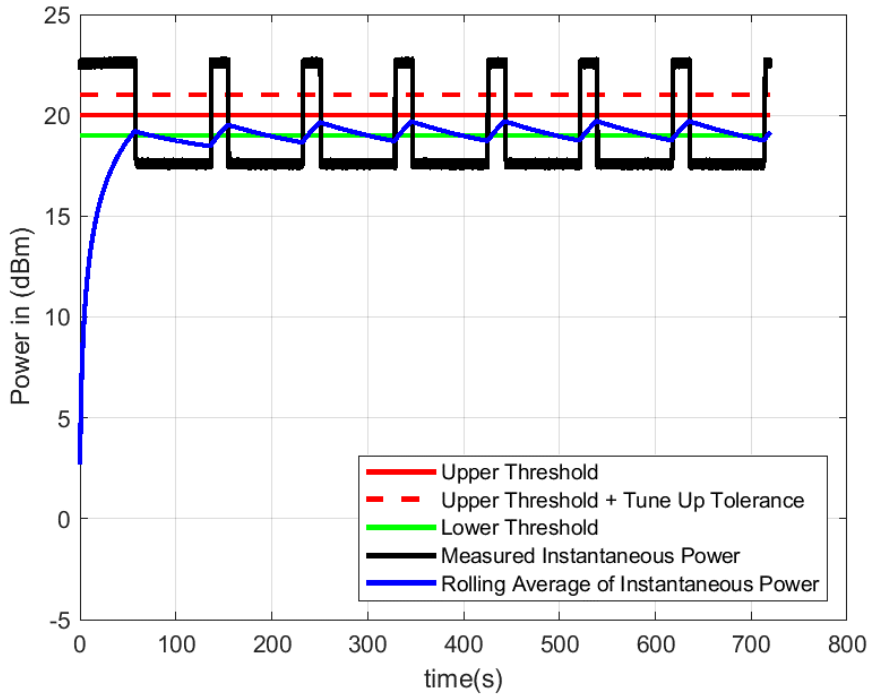
Case #15: LTE Band 25 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



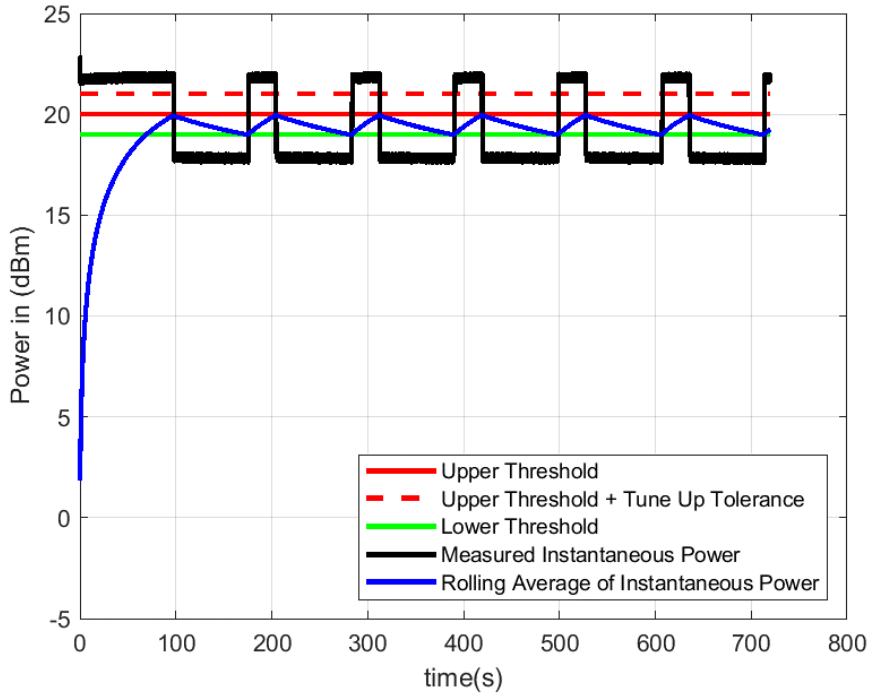
Case #16: LTE Band 26 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



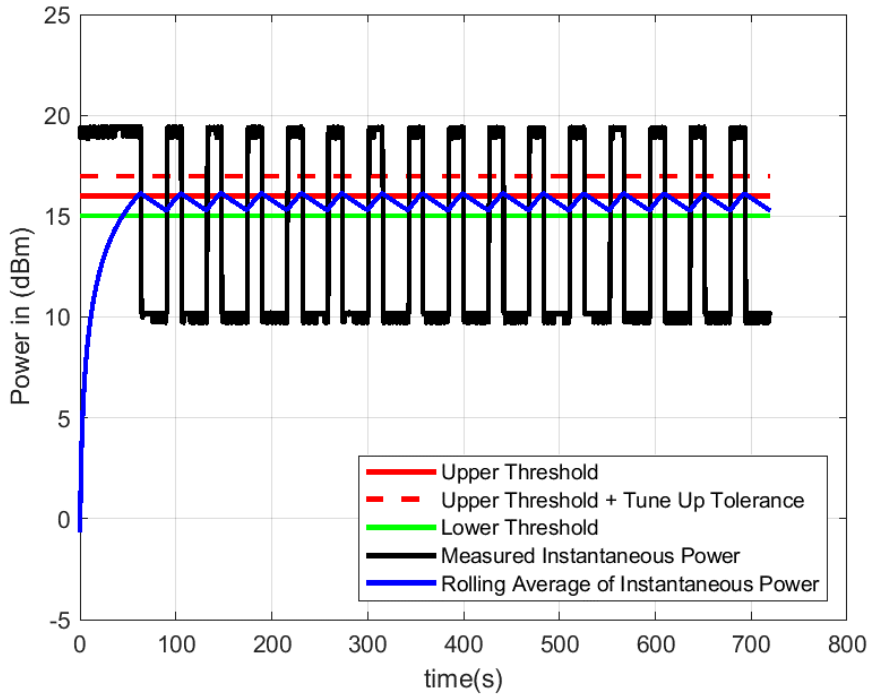
Case #17: LTE Band 28 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



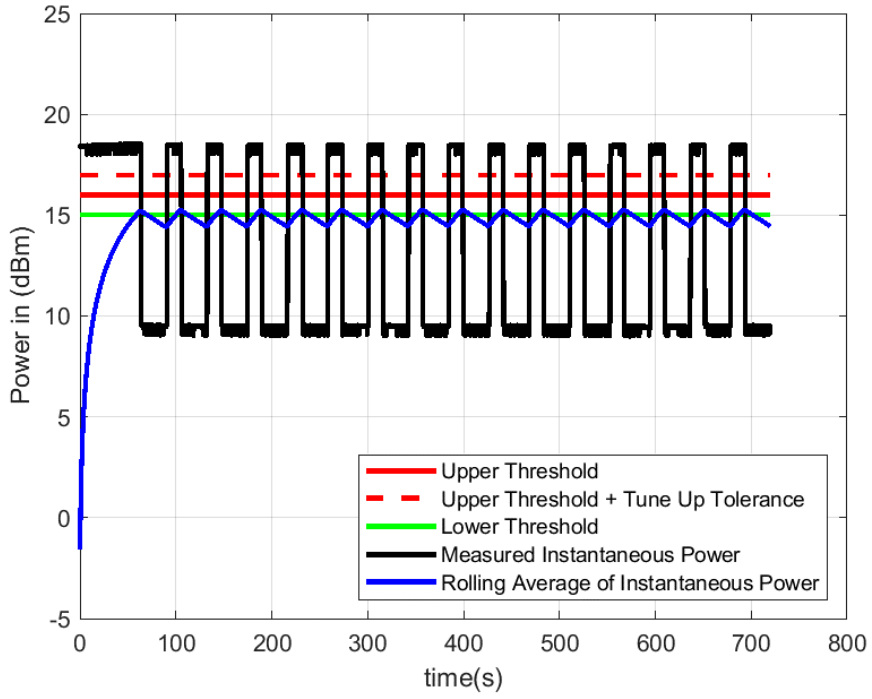
Case #18: LTE Band 30 – Max Power 22 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



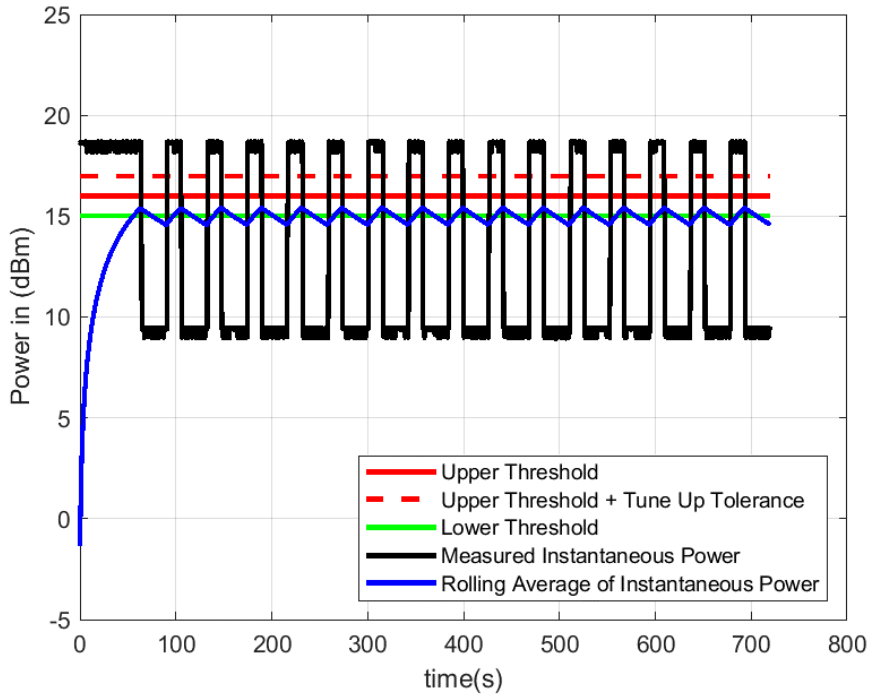
Case #19: LTE Band 34 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
16	15	14



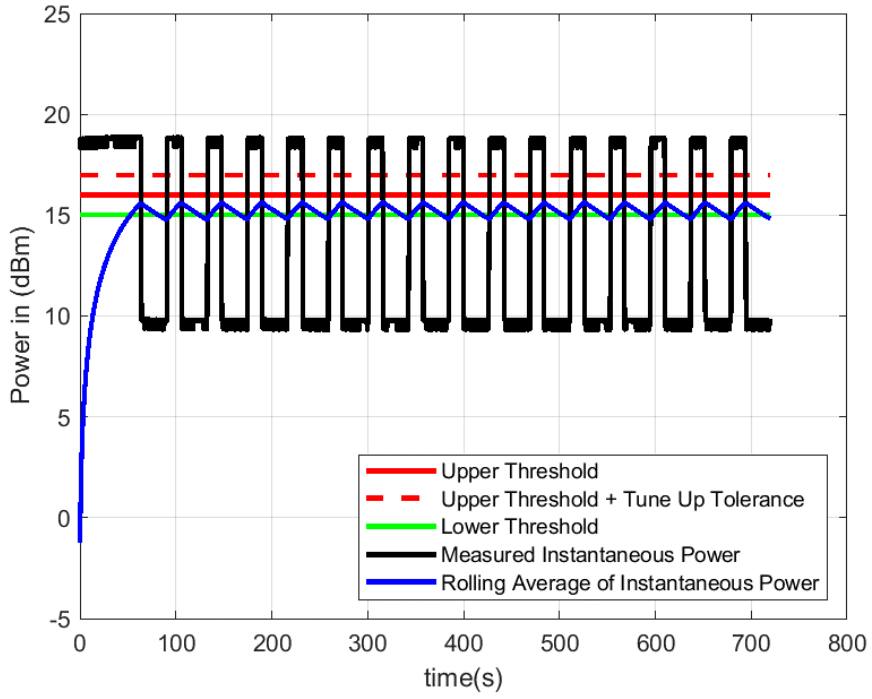
Case #20: LTE Band 38 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
16	15	14



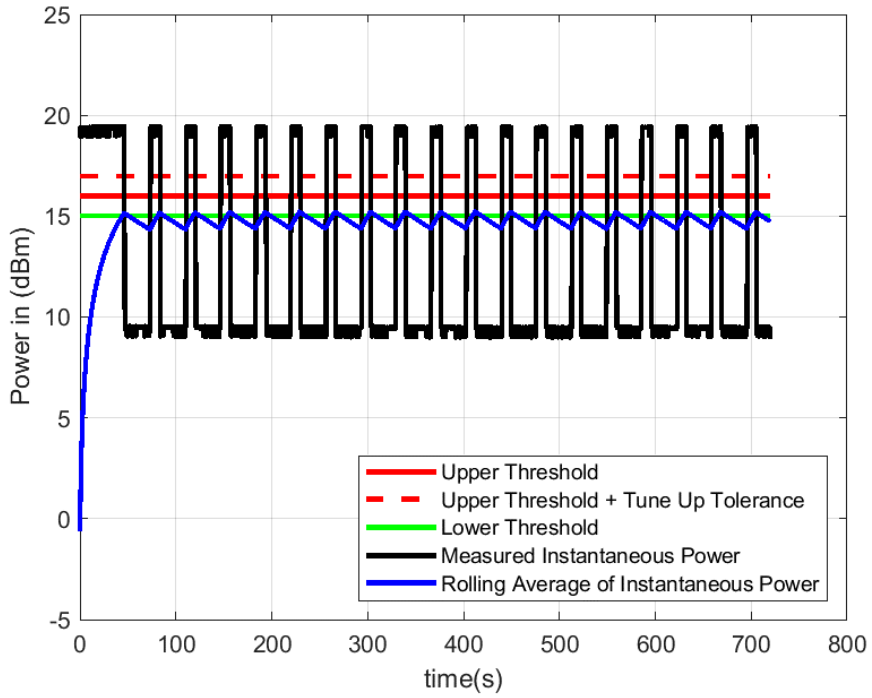
Case #21: LTE Band 39 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
16	15	14



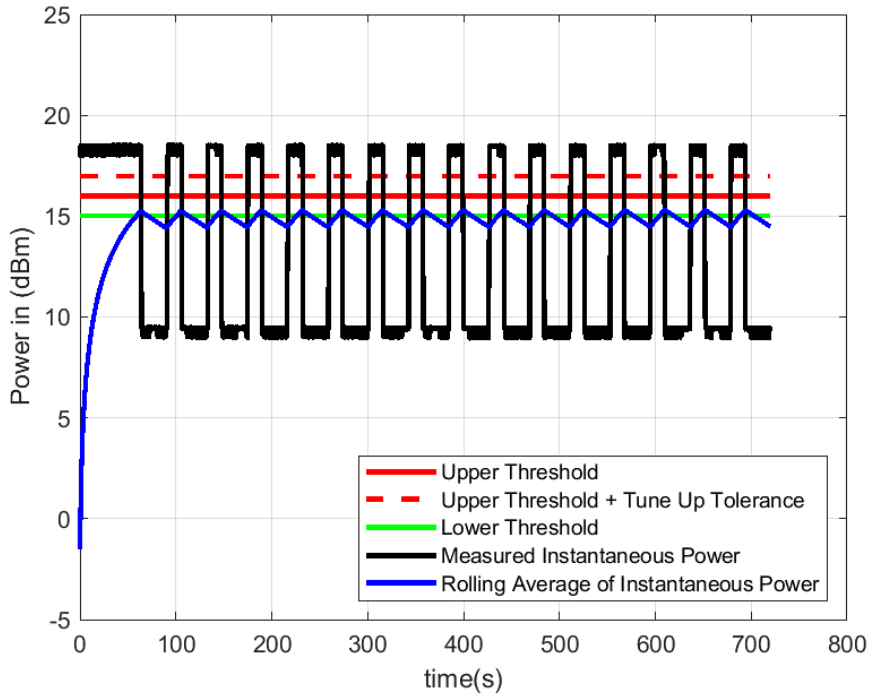
Case #22: LTE Band 40 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
16	15	14



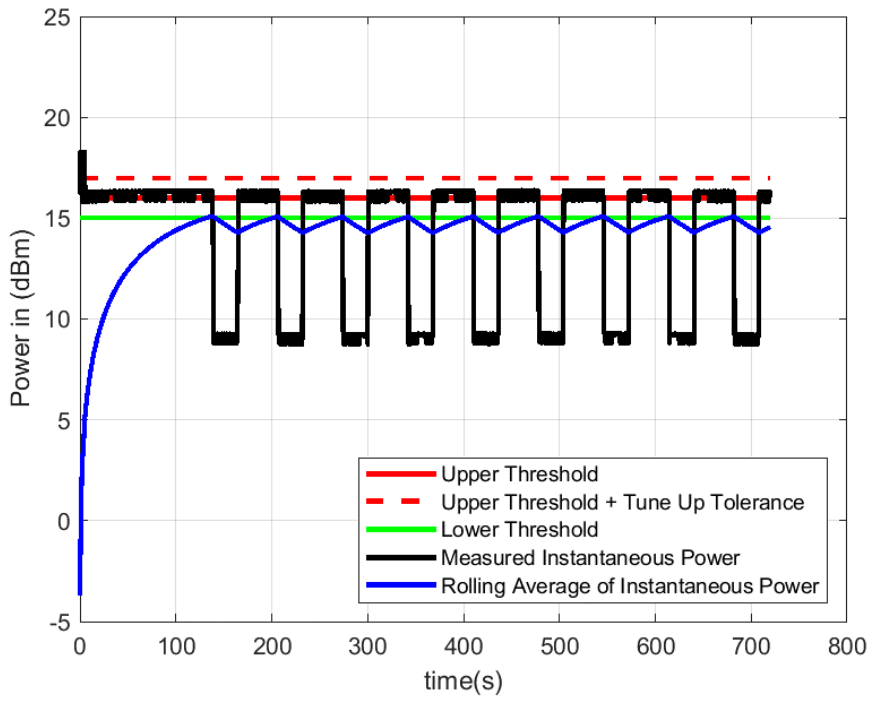
Case #23: LTE Band 41 – Max Power 25 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
16	15	14



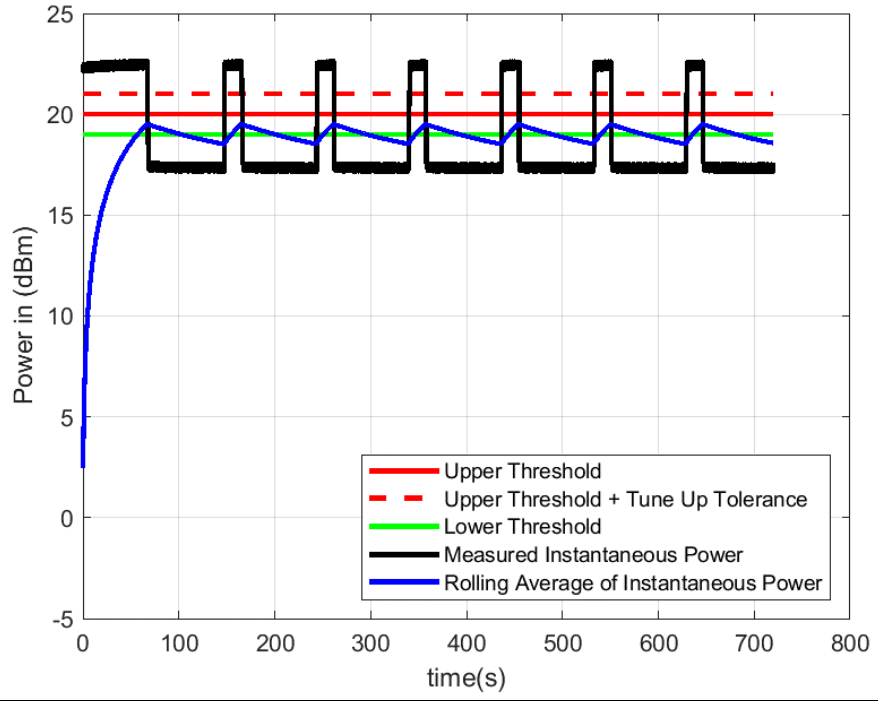
Case #24: LTE Band 43 – Max Power 23 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
16	15	14



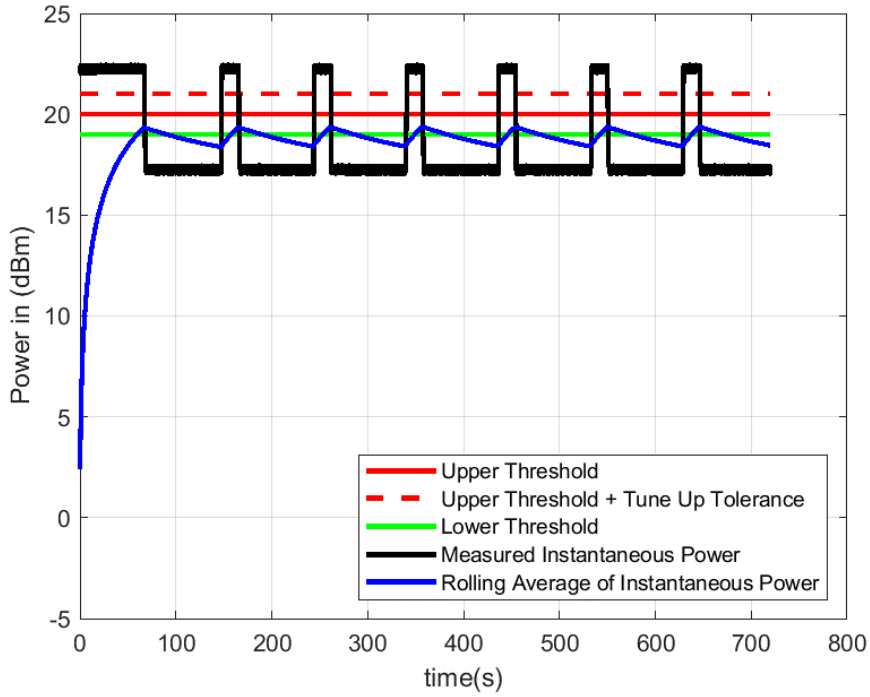
Case #25: LTE Band 48 – Max Power 21 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
16	15	14



Case #26: LTE Band 66 – 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 #27: LTE Band 71 – 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



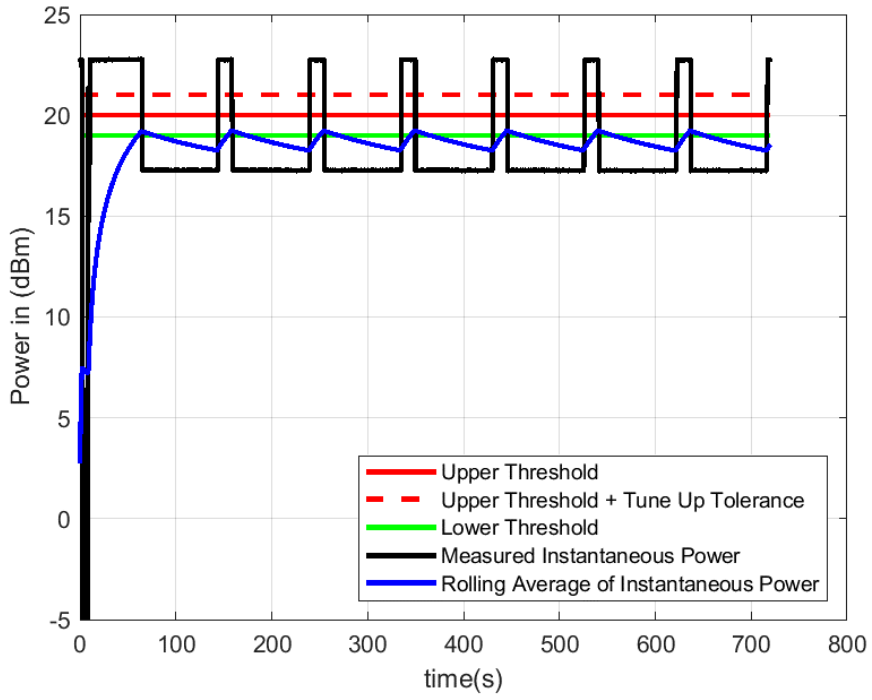
2.5. Bands Validation - WCDMA

Table 4 - Test Cases for Bands Compliance of WCDMA bands

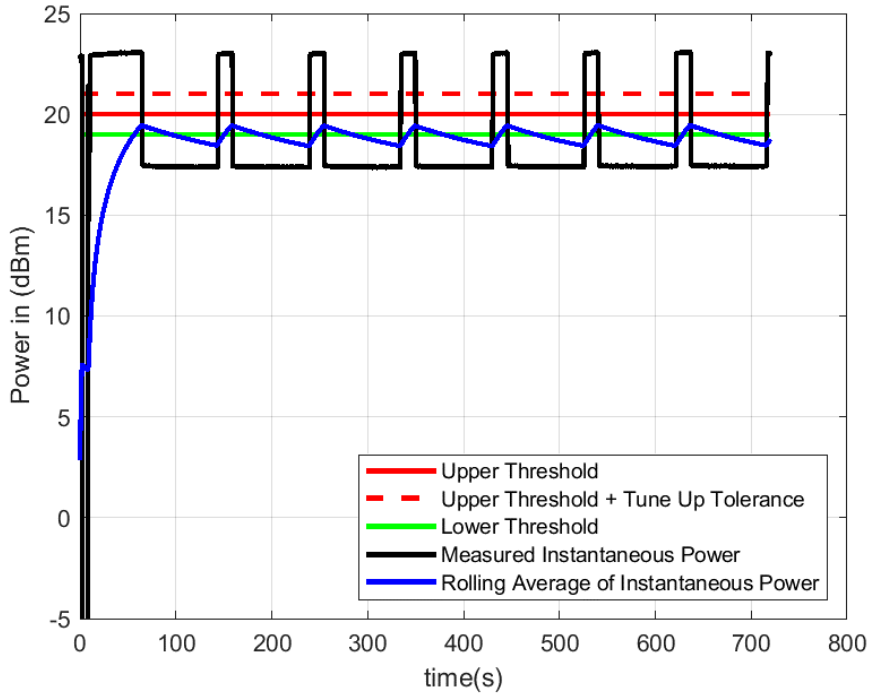
Case	RAT	Band	Max_Power_DPR_OFF_dBm	Roll_Period_s	Check_Period_s	Avg_SAR_UppThresh_dBm	Avg_SAR_LowThresh_dBm	Max_Power_DPR_ON_dBm
28	WCDMA	1	23.5	100	1	20	19	18
29	WCDMA	2	23.5	100	1	20	19	18
30	WCDMA	4	23.5	100	1	20	19	18
31	WCDMA	5	23.5	100	1	20	19	18
32	WCDMA	8	23.5	100	1	20	19	18

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.

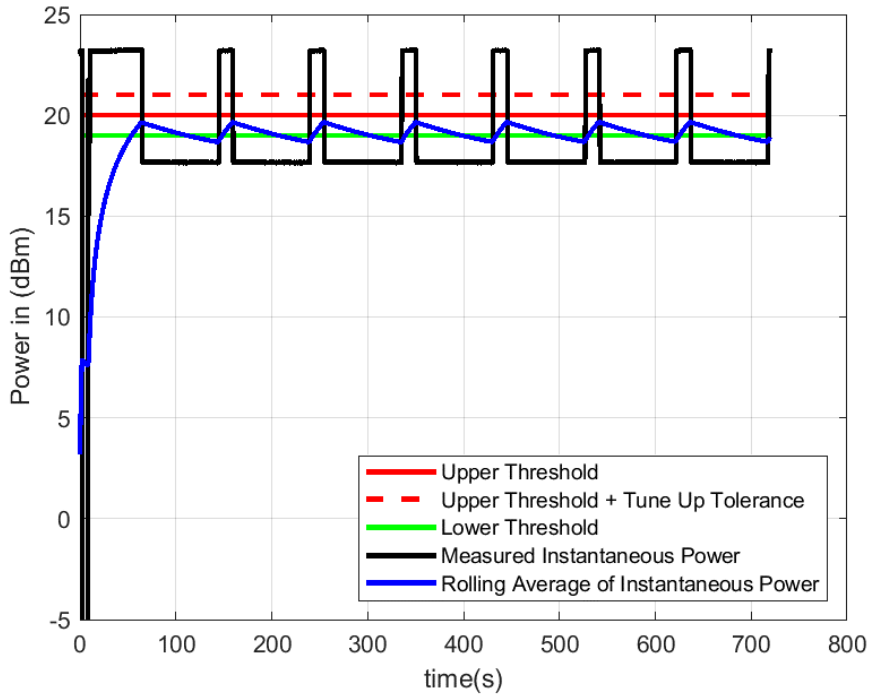
Case #28: WCDMA Band 1 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



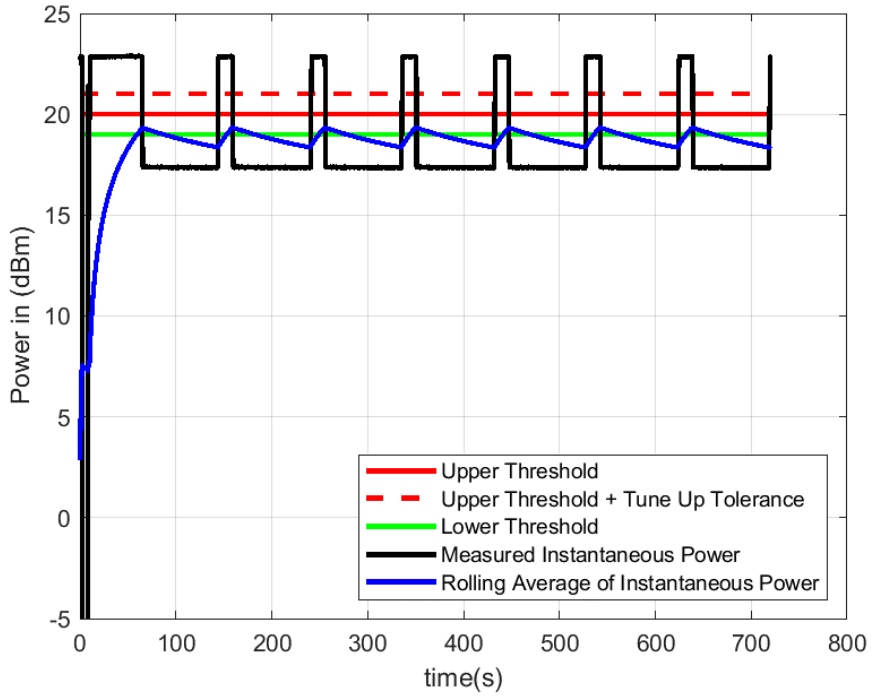
Case #29: WCDMA Band 2 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



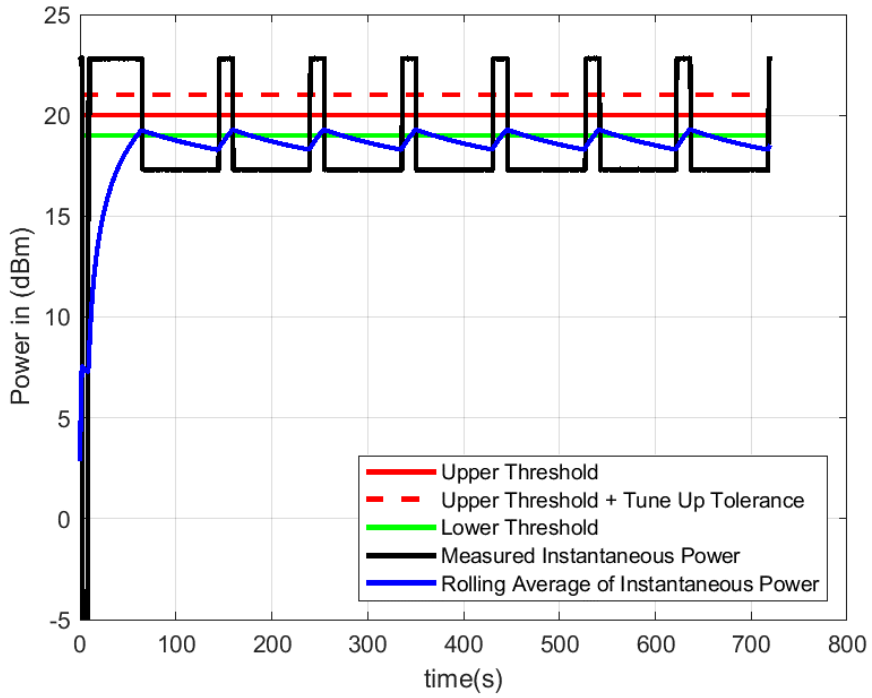
Case #30: WCDMA Band 4 – Max Power 23.5 dBm – Roll Period 100 sec – Check Period 1 sec		
Avg_SAR_UppThresh [dBm]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
20	19	18



Case #31: WCDMA Band 5 – 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]
20	19	18



Case #32: WCDMA Band 8 – 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]
20	19	18



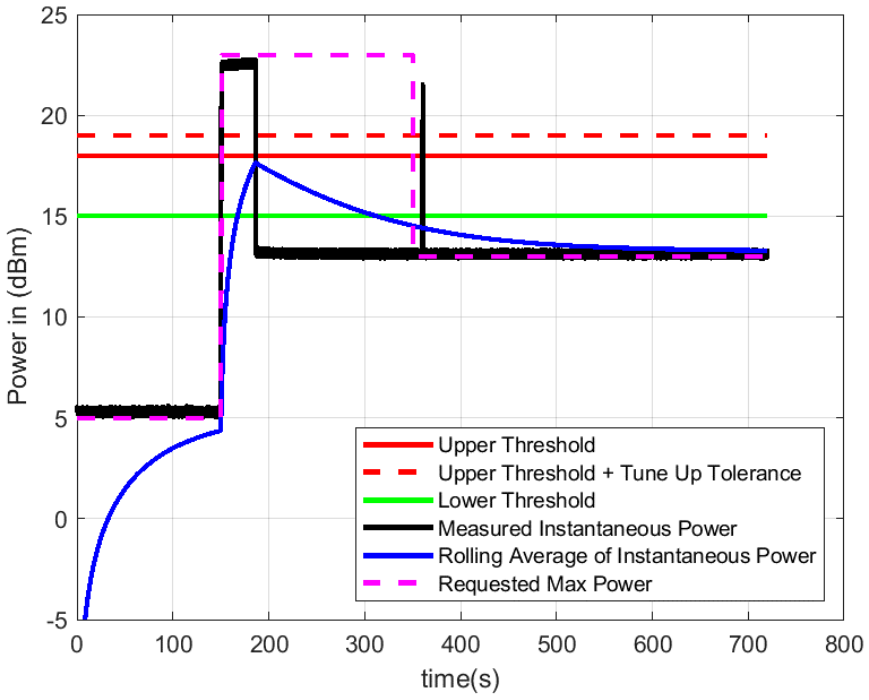
2.6. Time Varying Test Sequence - LTE

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

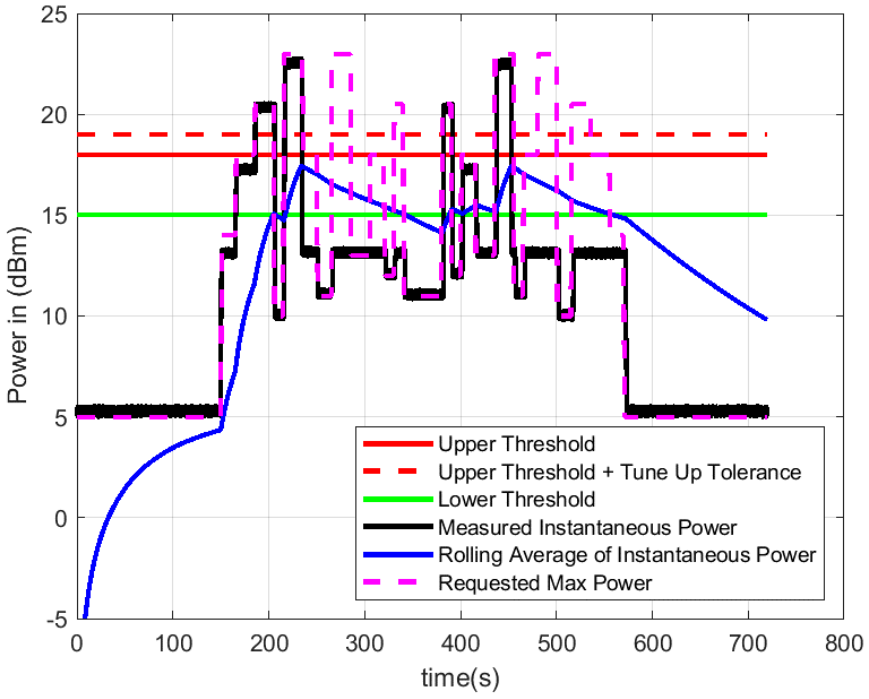
Case	RAT	Band	Max_Power_DPR_OFF	Roll_Period	Check_Period	Avg_SAR_UppThresh	Avg_SAR_LowThresh	Max_Power_DPR_ON
1	LTE	2	23	100	1	18	15	14
2	LTE	2	23	100	1	18	15	14

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]	Avg_SAR_LowThresh [dBm]	Max_Power_DPR_ON [dBm]
18	15	14



Case #2: Sequence 2 - LTE 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



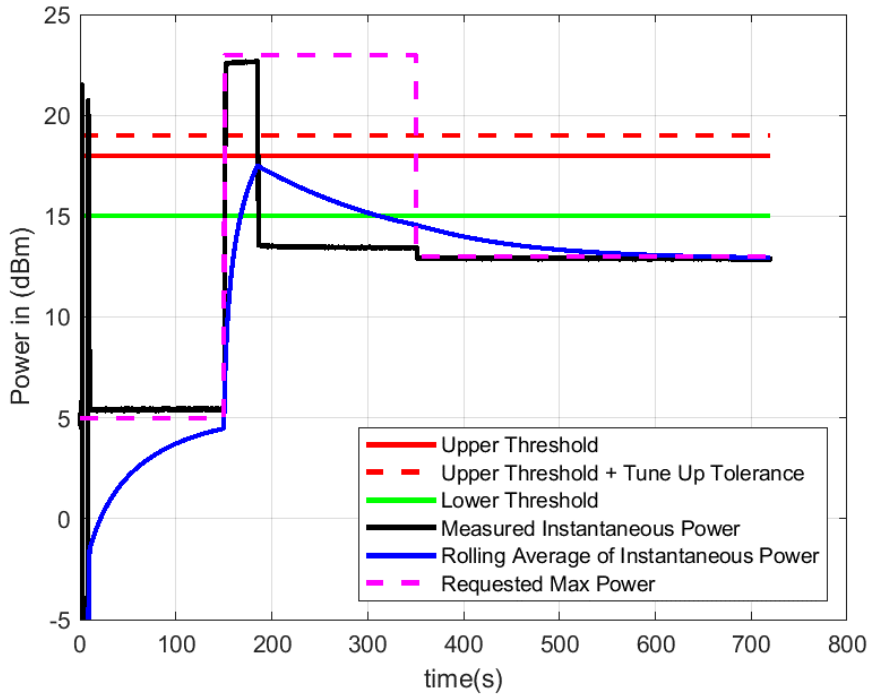
2.7. Time Varying Test Sequence - WCDMA

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

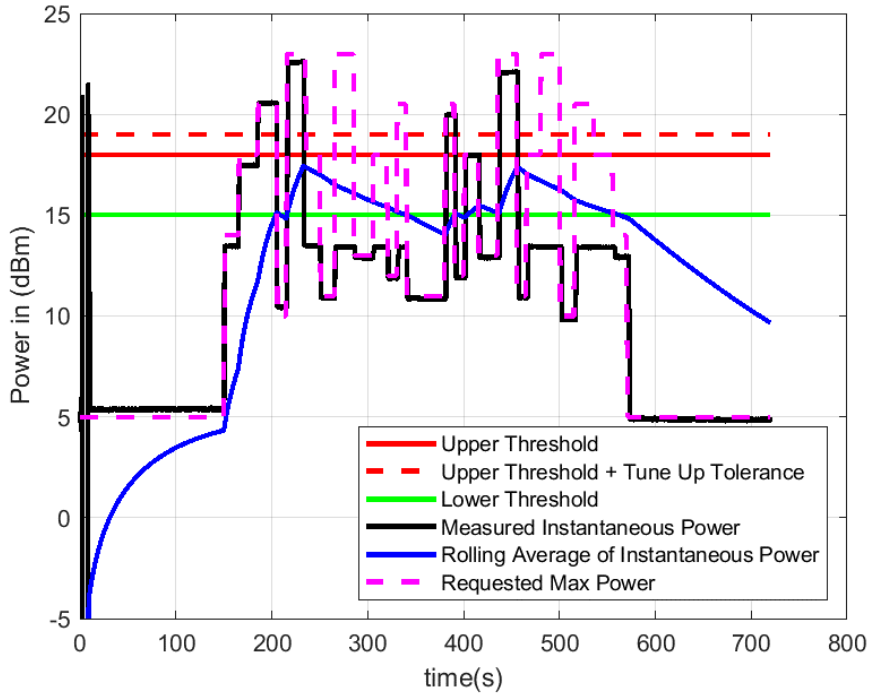
Case	RAT	Band	Max_Power_DPR_OFF	Roll_Period	Check_Period	Avg_SAR_UppThresh	Avg_SAR_LowThresh	Max_Power_DPR_ON
1	WCDMA	2	23	100	1	18	15	14
2	WCDMA	2	23	100	1	18	15	14

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



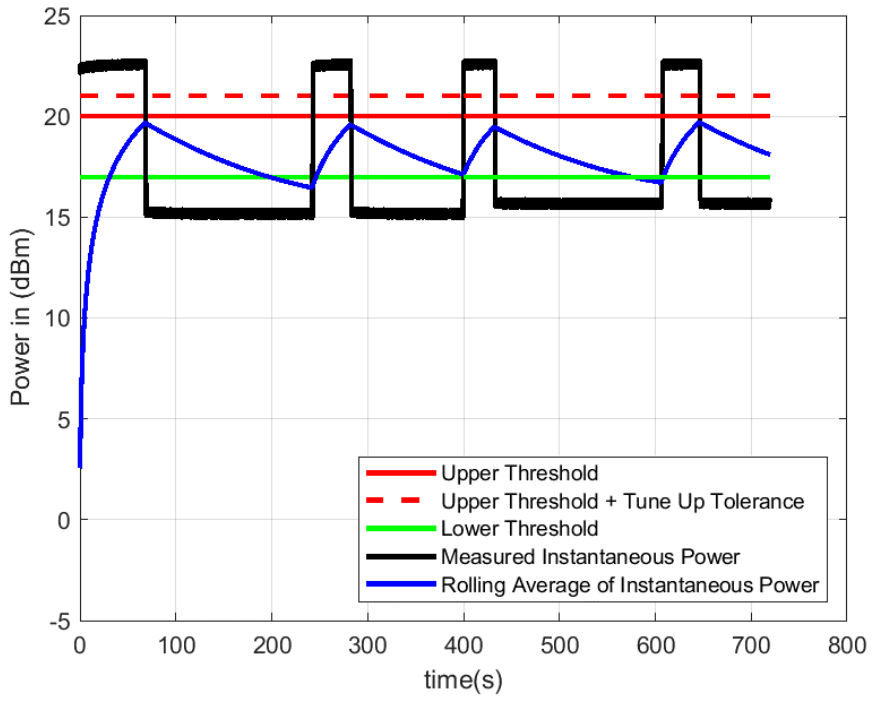
2.8. Handover - LTE-LTE

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.

Case #1: Handover LTE Band 2 > LTE Band 4 – 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	17	16



2.1. Software / Firmware

Sample #1

Firmware	Version
Intel	M2_7560_R_01.2140.05
Fibocom	18601.5001.00.01.15.19 V1.3

Sample #2

Firmware	Version
Intel	M2_7560_R_01.2224.01
Fibocom	18601.5001.00.01.15.23

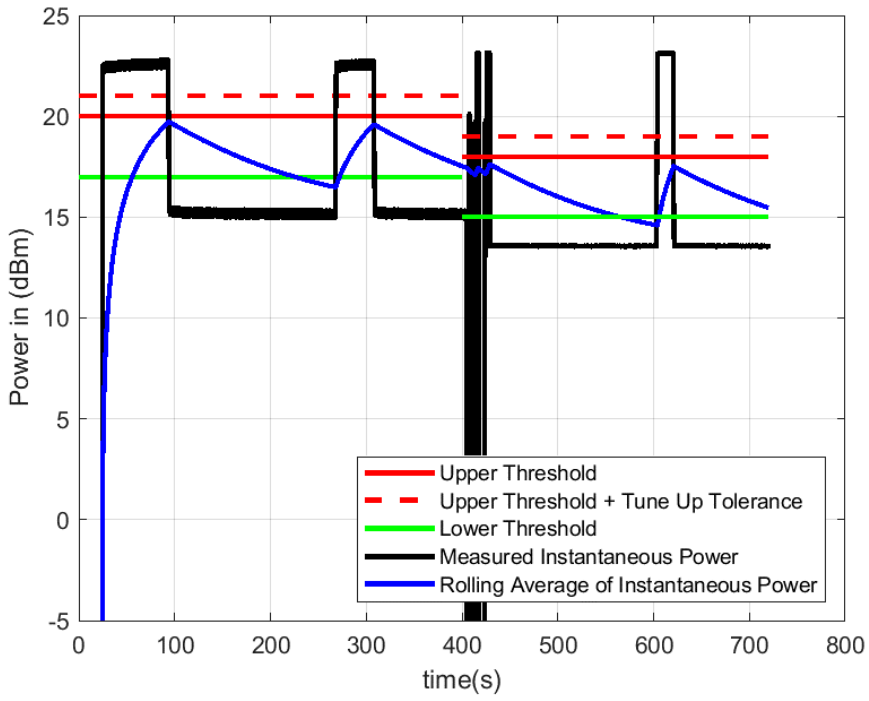
2.2. Handover - LTE-WCDMA

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.

Case #1: Handover LTE Band 2 > WCDMA Band 4 – 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	17	16



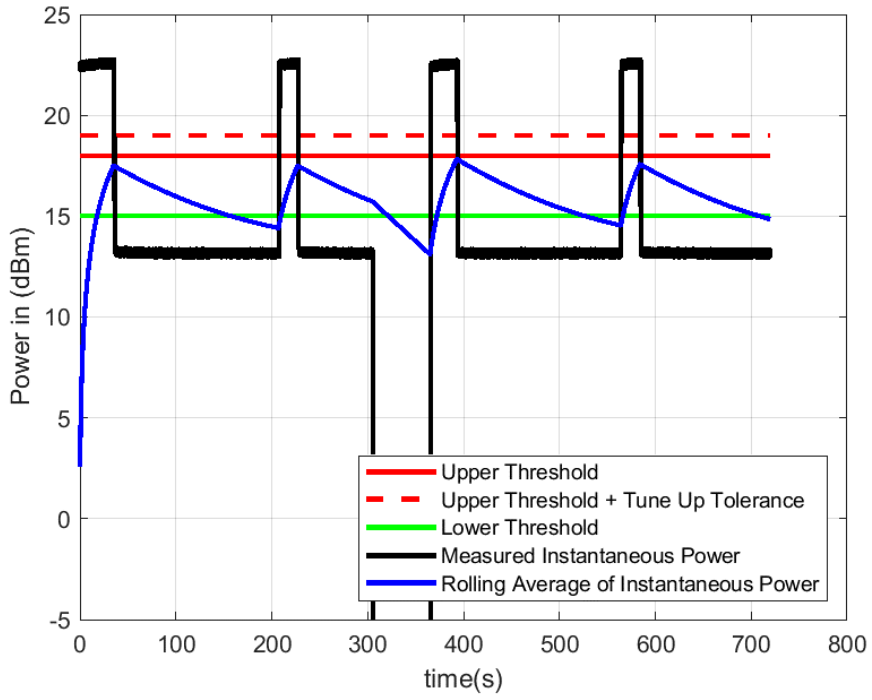
2.3. Call Drop and Reboot - LTE

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

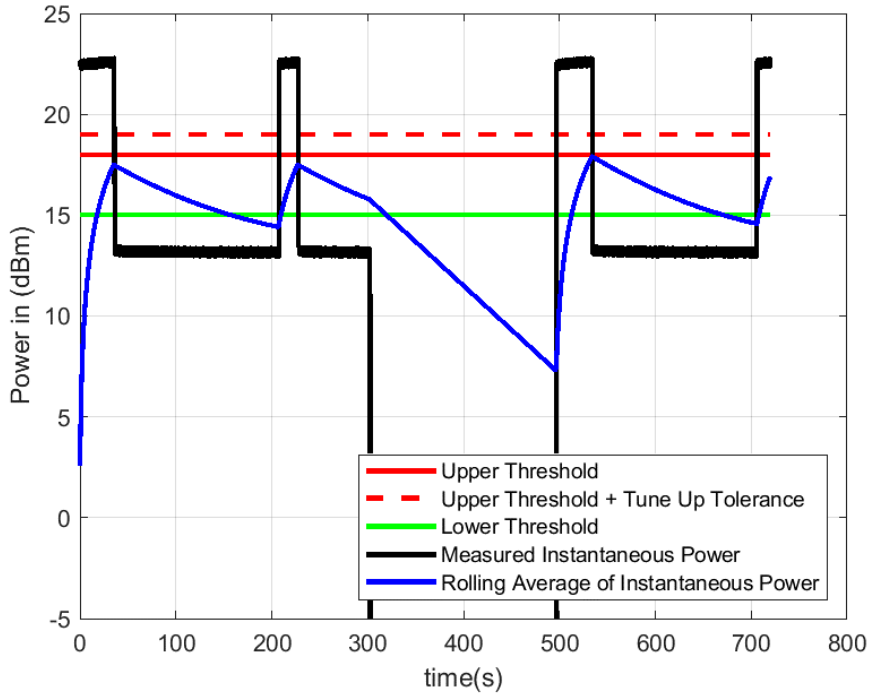
Case	RAT	Band	Max_Power_DPR_OFF	Roll_Period	Check_Period	Avg_SAR_UppThresh	Avg_SAR_LowThresh	Max_Power_DPR_ON
1	LTE	2	23	100	1	18	15	14
2	LTE	2	23	100	1	18	15	14

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: Call Drop - LTE 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: Reboot - LTE 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



3. Conclusion

The TAS functionality of XMM7560 R+ Module Integrated inside HP Model HSC-I006R Tablet is tested. All test cases and corresponding test configurations work properly.