

APPENDIX E: TEST SEQUENCES

1. Test sequence is generated based on below parameters of the DUT:
 - a. Measured maximum power (P_{UE_max})
 - b. Measured Tx_power_at_SAR_design_limit (P_{sub6_limit})
 - c. Threshold of dynamix power reduction status determination: reserve hysteresis margin for instantaneous power ($P_{LowThresh}$).
 - d. SAR_time_window (FCC: 100s for $f < 3\text{GHz}$, 60s for $3\text{GHz} < f < 6\text{GHz}$)
2. Test Sequence 0 Waveform:

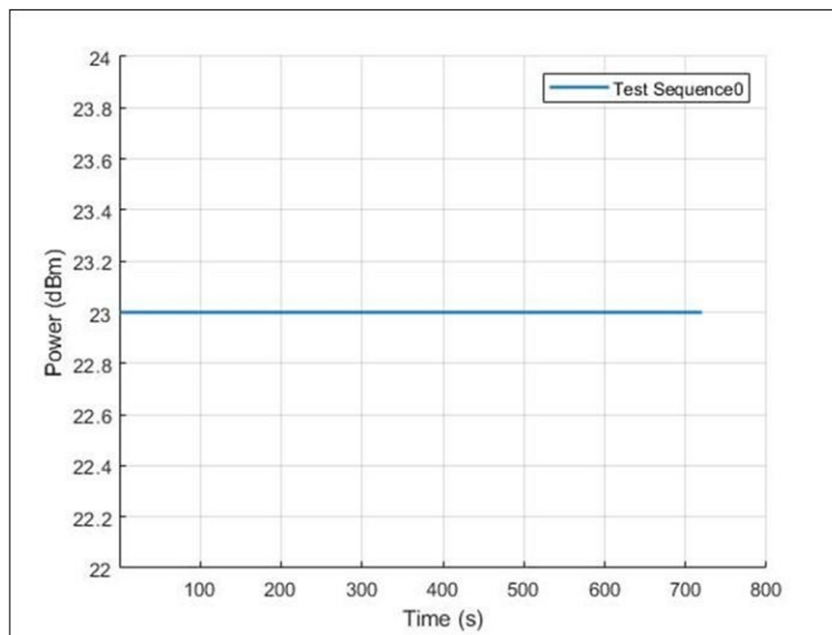


Figure E-1
Test sequence 0 waveform

Table E-1
Test sequence 0

Time	Duration	Power (dBm)	Note
720	720	23	P_{UE_max}

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3. Test Sequence 1 Waveform:

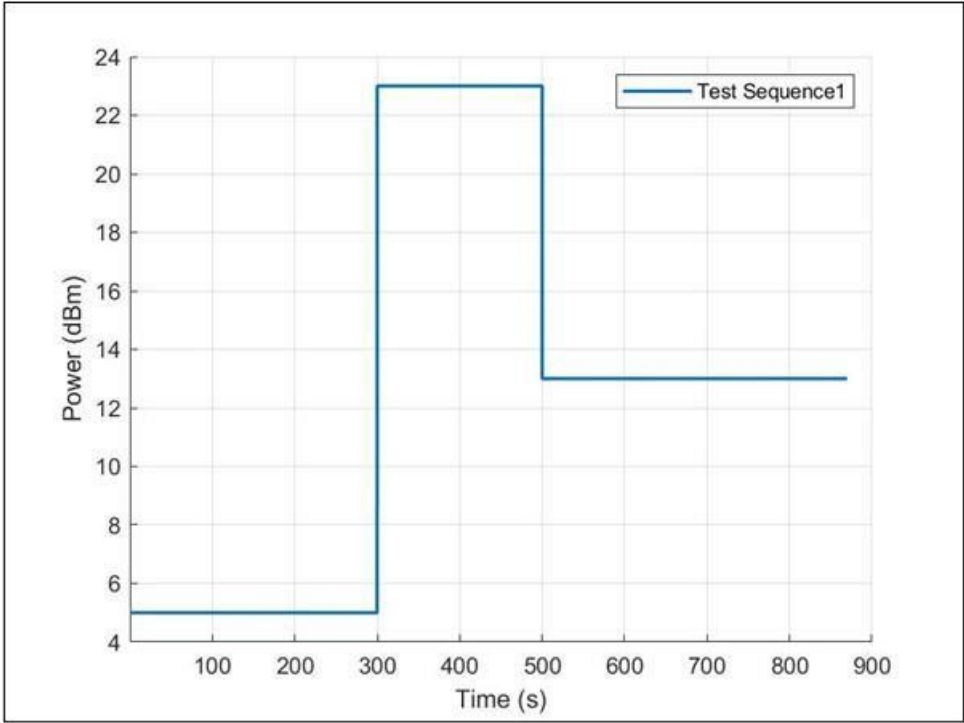


Figure E-2
Test Sequence 1 waveform

Table E-2
Test sequence 1

Time	Duration	Power (dBm)	Note
300	300	5	$< P_{LowThresh}$
500	200	23	P_{UE_max}
870	370	13	$P_{LowThresh} - 2\text{dB}$

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4. Test Sequence 2 Waveform:

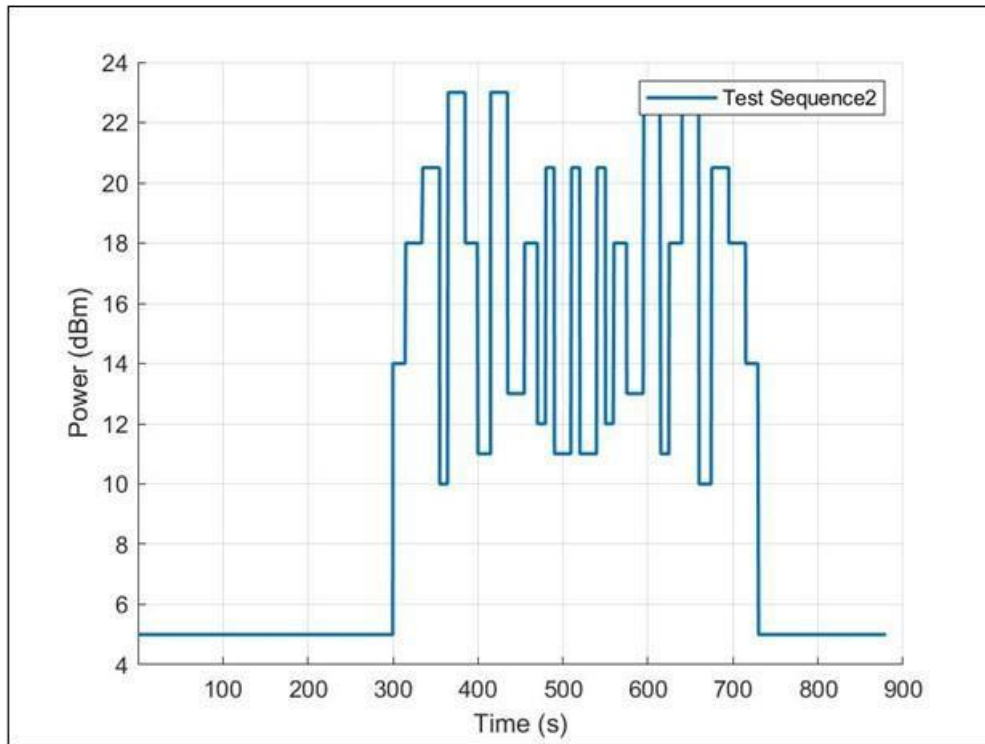


Figure E-3
Test Sequence 2 waveform

Table E-3
Test sequence 2

Time	Duration	Power (dBm)	Note
300	300	5	$< P_{LowThresh}$
315	15	14	$P_{sub6_limit} - 4\text{dB}$
335	20	18	P_{sub6_limit}
355	20	20.5	$(P_{sub6_limit} + P_{UE_max})/2$
365	10	10	$P_{sub6_limit} - 8\text{dB}$
385	20	23	P_{UE_max}
400	15	18	P_{sub6_limit}
415	15	11	$P_{sub6_limit} - 7\text{dB}$
435	20	23	P_{UE_max}
455	20	13	$P_{sub6_limit} - 5\text{dB}$

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470	15	18	P_{sub6_limit}
480	10	12	$P_{sub6_limit} - 6dB$
490	10	20.5	$(P_{sub6_limit} + P_{UE_max})/2$
510	20	11	$P_{sub6_limit} - 7dB$
520	10	20.5	$(P_{sub6_limit} + P_{UE_max})/2$
540	20	11	$P_{sub6_limit} - 7dB$
550	10	20.5	$(P_{sub6_limit} + P_{UE_max})/2$
560	10	12	$P_{sub6_limit} - 6dB$
575	15	18	P_{sub6_limit}
595	20	13	$P_{sub6_limit} - 5dB$
615	20	23	P_{UE_max}
625	10	11	$P_{sub6_limit} - 7dB$
640	15	18	P_{sub6_limit}
660	20	23	P_{UE_max}
675	15	10	$P_{sub6_limit} - 8dB$
695	20	20.5	$(P_{sub6_limit} + P_{UE_max})/2$
715	20	18	P_{sub6_limit}
730	15	14	$P_{sub6_limit} - 4dB$
870	140	5	$< P_{LowThresh}$

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