

## APPENDIX B: TEST SEQUENCES

1. Test sequence is generated based on below parameters of the DUT:

- a. Measured maximum power ( $P_{max}$ )
- b. Measured Tx\_power\_at\_SAR\_design\_target ( $P_{limit}$ )
- c. Setup time to make SAR raminging be full
- d. Do test according to test sequence

2. Test Sequence A Waveform:

Based on the parameters above, the test sequence A is generated with one or two levels where one of the levels is maximum power level ( $P_{max}$ ) which is applied at least for 100s. Based on the second level this test sequence is sub-categorized into four different sequences used

- (a) Test Sequence A.i where after  $P_{max}$ , a second level of  $P_{limit}$  is requested till the end of the test
- (b) Test Sequence A.ii where after  $P_{max}$ , a second level of  $P_{max}-3dB$  is requested till the end of the test
- (c) Test Sequence A.iii where after  $P_{max}$ , a second level of  $P_{limit}-3dB$  is requested till the end of the test
- (d) Test Sequence A.iv where only  $P_{max}$  is requested till the end of the test

3. Test Sequence B Waveform:

Based on the parameters above, the Test Type B is generated with pre-defined power levels, which is described in Table B-1:

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**Table B-1  
Test Sequence B**

<b>Time duration (second)</b>	<b>Power level (dB)</b>
15	Plimit - 5
20	Plimit
20	Plimit + 5
10	Plimit - 6
20	Pmax
15	Plimit
15	Plimit -7
20	Pmax
10	Plimit-5
15	Plimit
10	Plimit-6
20	Plimit + 5
10	Plimit - 4
15	Plimit
10	Plimit - 6
20	Pmax
15	Plimit-8
15	Plimit
20	Pmax
10	Plimit - 9
20	Plimit + 5
20	Plimit
15	Plimit - 5

The Test Sequence 2 waveform is shown in Figure B-1.

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S.LSI Test Sequence B

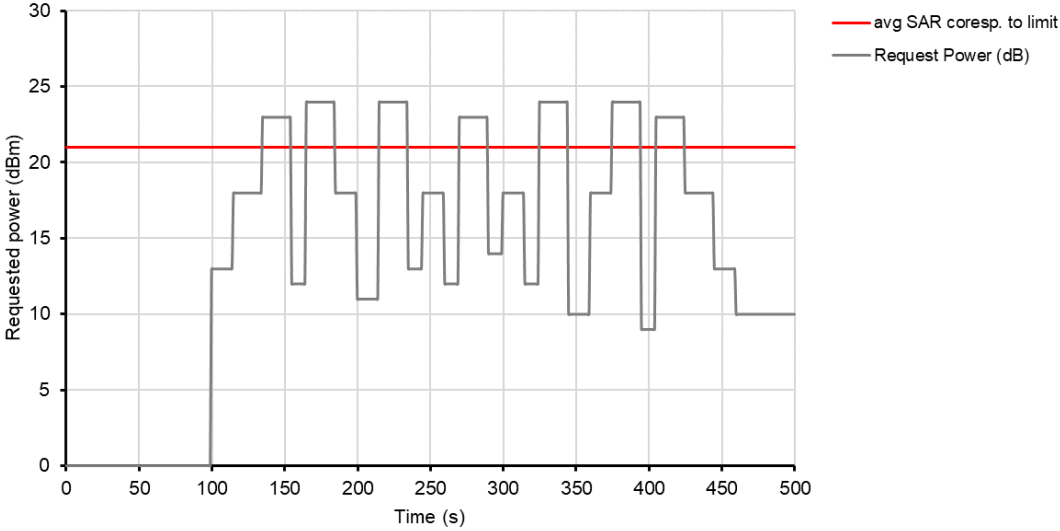


Figure B-1  
Test sequence 2 waveform

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