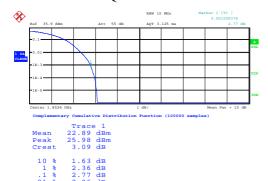
1279 Quarry Lane, Ste. A, Pleasanton, CA 95466 Tel: (925) 249-9123, Fax: (925) 249-9124

Appendix III - Peak To Average Ratio Test Data

6.3.1 Part 24

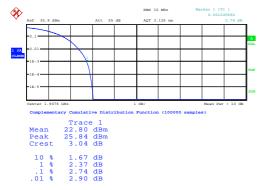
6.3.1.1 **WCDMA Band 2**

Channel 9262 - QPSK



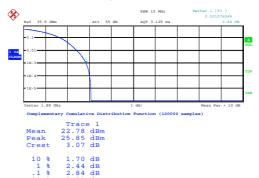
Date: 23.MAR.2018 13:51:37

Channel 9538 - QPSK



Date: 23.MAR.2018 13:52:10

Channel 9400 - QPSK



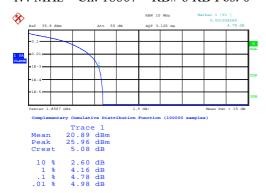
Date: 23.MAR.2018 13:51:55

Report Number: 31851515.001 Page 174 of 215

EUT: HSA-15

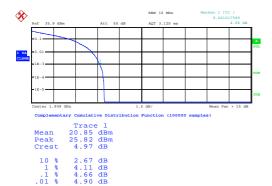
6.3.1.2 **LTE Band 2**

1.4 MHz – Ch: 18607 – RB# 6 RB Pos: 0



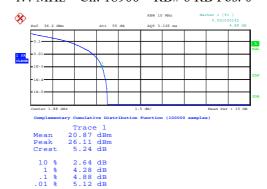
Date: 23.MAR.2018 13:36:31

1.4 MHz - Ch: 19193 - RB# 6 RB Pos: 0



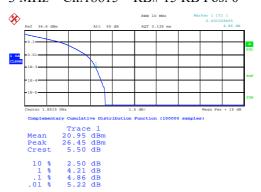
Date: 23.MAR.2018 13:36:56

1.4 MHz - Ch: 18900 - RB# 6 RB Pos: 0



Date: 23.MAR.2018 13:36:45

3 MHz - Ch:18615 - RB# 15 RB Pos: 0

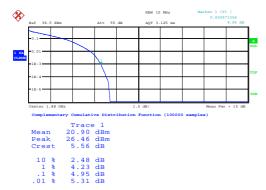


Date: 23.MAR.2018 13:37:27

Report Number: 31851515.001

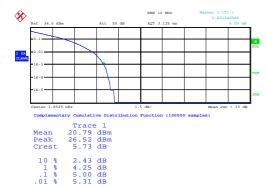
EUT: HSA-15

3 MHz - Ch: 18900 - RB# 15 RB Pos: 0



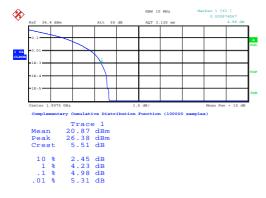
Date: 23.MAR.2018 13:37:41

5 MHz - Ch: 18625 - RB# 25 RB Pos: 0



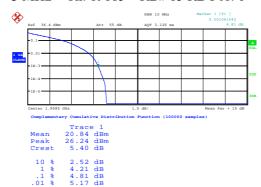
Date: 23.MAR.2018 13:38:20

5 MHz - Ch: 19175 - RB# 25 RB Pos: 0



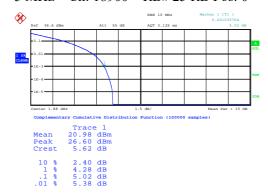
Date: 23.MAR.2018 13:38:44

3 MHz - Ch: 19185 - RB# 15 RB Pos: 0



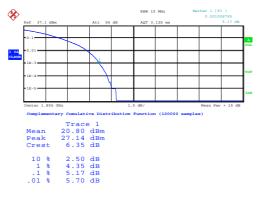
Date: 23.MAR.2018 13:37:54

5 MHz – Ch: 18900 – RB# 25 RB Pos: 0



Date: 23.MAR.2018 13:38:33

10 MHz - Ch: 18650 - RB# 50 RB Pos: 0



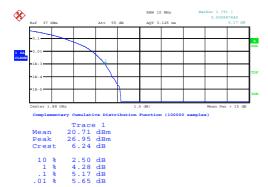
Date: 23.MAR.2018 13:39:35

Report Number: 31851515.001

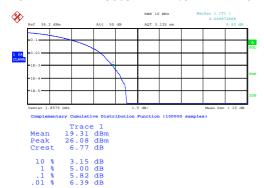
EUT: HSA-15

10 MHz - Ch: 19150 - RB# 50 RB Pos: 0

10 MHz - Ch: 18900 - RB# 50 RB Pos: 0



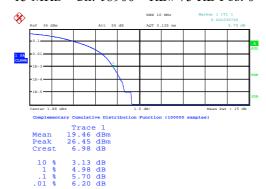
15 MHz - Ch: 18675 - RB# 75 RB Pos: 0



15 MHz - Ch: 18900 - RB# 75 RB Pos: 0

2.52 dB 4.30 dB 5.17 dB 5.65 dB

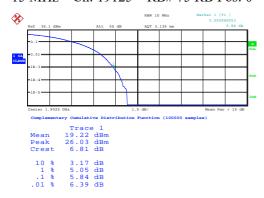
Date: 23.MAR.2018 13:40:04



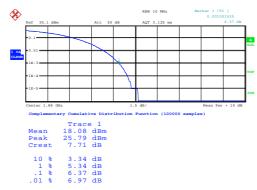
Date: 23.MAR.2018 13:40:27

Date: 23.MAR.2018 13:39:45

15 MHz - Ch: 19125 - RB# 75 RB Pos: 0



20 MHz - Ch: 18700 - RB# 100 RB Pos: 0



Date: 23.MAR.2018 13:41:26

Date: 23.MAR.2018 13:40:46

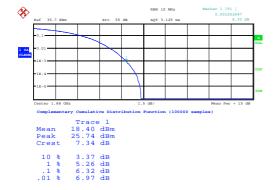
Report Number: 31851515.001

EUT: HSA-15

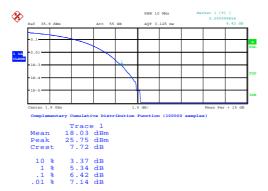
Date: 23.MAR.2018 13:41:04

Issue Date: May 29, 2018

20 MHz - Ch: 18900 - RB# 100 RB Pos: 0



20 MHz - Ch: 19100 - RB# 100 RB Pos: 0



Date: 23.MAR.2018 13:41:48

Date: 23.MAR.2018 13:41:35

Report Number: 31851515.001 EUT: HSA-15

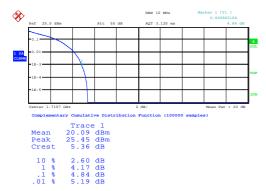
Issue Date: May 29, 2018

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6.3.2 Part 27

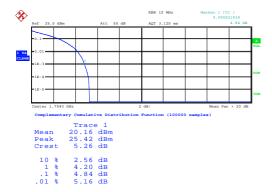
6.3.2.1 **LTE Band 4**

1.4 MHz - Ch: 19957 - RB# 6 RB Pos: 0



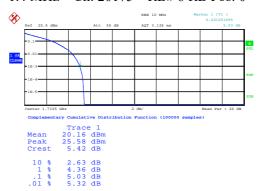
Date: 23.MAR.2018 13:46:11

1.4 MHz - Ch: 20393 - RB# 6 RB Pos: 0



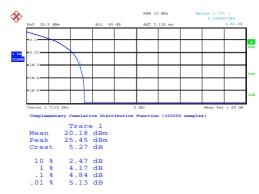
Date: 23.MAR.2018 13:46:46

1.4 MHz - Ch: 20175 - RB# 6 RB Pos: 0



Date: 23.MAR.2018 13:46:22

3 MHz - Ch: 19965 - RB# 15 RB Pos: 0



Date: 23.MAR.2018 13:47:01

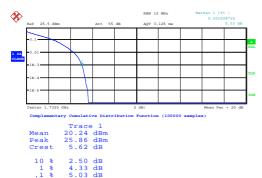
Report Number: 31851515.001

EUT: HSA-15

Issue Date: May 29, 2018

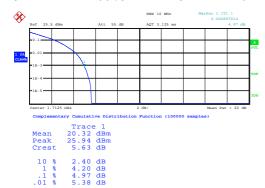
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3 MHz - Ch: 20175 - RB# 15 RB Pos: 0



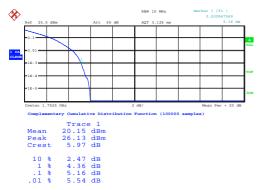
Date: 23.MAR.2018 13:47:13

5 MHz - Ch: 19975 - RB# 25 RB Pos: 0



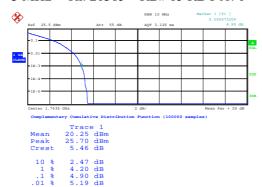
Date: 23.MAR.2018 13:47:35

5 MHz - Ch: 20375 - RB# 25 RB Pos: 0



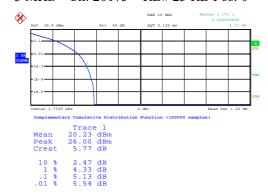
Date: 23.MAR.2018 13:47:55

3 MHz - Ch: 20385 - RB# 15 RB Pos: 0



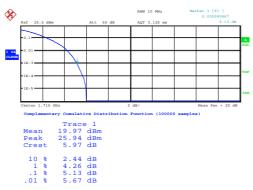
Date: 23.MAR.2018 13:47:23

5 MHz - Ch: 20175 - RB# 25 RB Pos: 0



Date: 23.MAR.2018 13:47:44

10 MHz - Ch: 20000 - RB# 50 RB Pos: 0

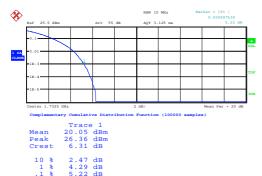


Date: 23.MAR.2018 13:48:08

Report Number: 31851515.001

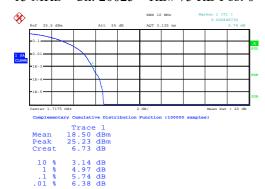
EUT: HSA-15

10 MHz - Ch: 20175 - RB# 50 RB Pos: 0



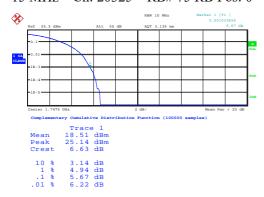
Date: 23.MAR.2018 13:48:19

15 MHz - Ch: 20025 - RB# 75 RB Pos: 0



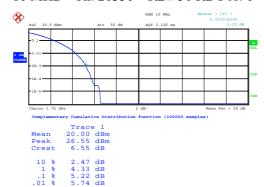
Date: 23.MAR.2018 13:48:43

15 MHz - Ch: 20325 - RB# 75 RB Pos: 0



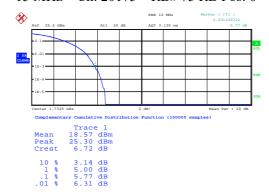
Date: 23.MAR.2018 13:49:08

10 MHz - Ch: 20350 - RB# 50 RB Pos: 0



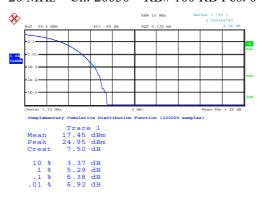
Date: 23.MAR.2018 13:48:30

15 MHz - Ch: 20175 - RB# 75 RB Pos: 0



Date: 23.MAR.2018 13:48:55

20 MHz - Ch: 20050 - RB# 100 RB Pos: 0



Date: 23.MAR.2018 13:49:23

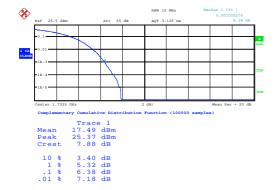
Report Number: 31851515.001

EUT: HSA-15

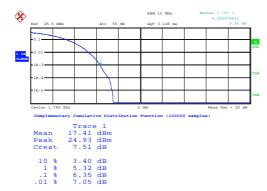
Issue Date: May 29, 2018

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20 MHz - Ch: 20175 - RB# 100 RB Pos: 0



20 MHz - Ch: 20300 - RB# 100 RB Pos: 0



Date: 23.MAR.2018 13:49:34 Date: 23.MAR.2018 13:49:43

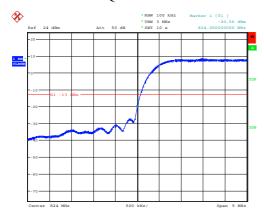
Report Number: 31851515.001 EUT: HSA-15

6.4 Appendix IV – Bandedge Test Data

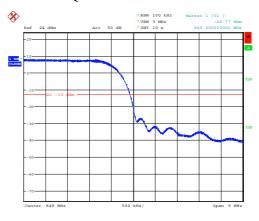
6.4.1 Part 22

6.4.1.1 **WCDMA Band 5**

Channel 4132 - QPSK



Channel-QPSK

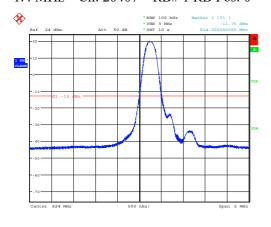


Date: 27.MAR.2018 17:45:01 Date: 27.MAR.2018 17:44:36

Report Number: 31851515.001 EUT: HSA-15

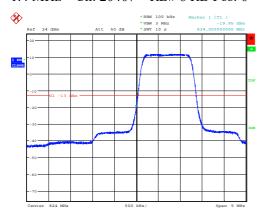
6.4.1.2 **LTE Band 5**

1.4 MHz - Ch: 20407 - RB# 1 RB Pos: 0



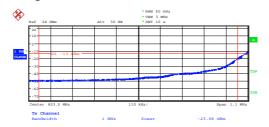
Date: 3.APR.2018 11:39:53

1.4 MHz – Ch: 20407 – RB# 6 RB Pos: 0



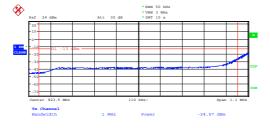
Date: 3.APR.2018 11:40:46

Integration 1MHz outside authorized band



Date: 3.APR.2018 11:40:22

Integration 1MHz outside authorized band

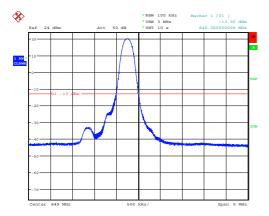


Date: 3.APR.2018 11:41:15

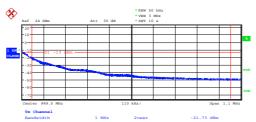
Report Number: 31851515.001

EUT: HSA-15

1.4 MHz - Ch: 20643 - RB# 1 RB Pos: 5

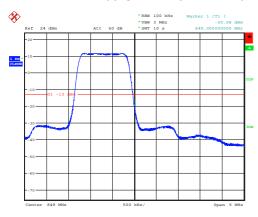


Integration 1MHz outside the authorized band



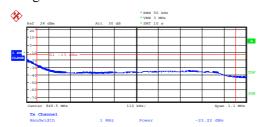
Date: 3.APR.2018 11:41:39

1.4 MHz - Ch: 20643 - RB# 6 RB Pos: 0



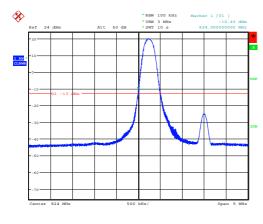
Integration 1MHz outside authorized band

Date: 3.APR.2018 11:42:06

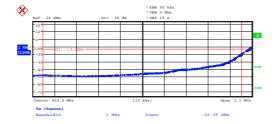


Date: 3.APR.2018 11:42:30

3 MHz - Ch: 20415 - RB# 1 RB Pos: 0



Integration 1 MHz outside the authorized band



Date: 3.APR.2018 11:43:50

Date: 3.APR.2018 11:42:57

Report Number: 31851515.001

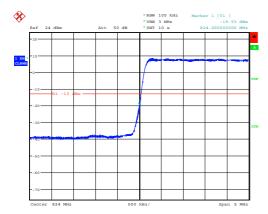
EUT: HSA-15

Date: 3.APR.2018 11:43:21

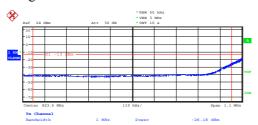
Issue Date: May 29, 2018

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3 MHz - Ch: 20415 - RB# 15 RB Pos: 0

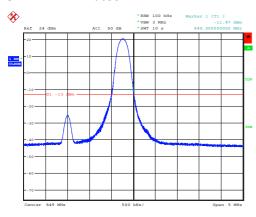


Integration 1 MHz outside the authorized band



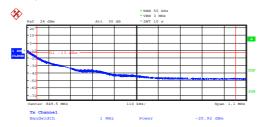
Date: 3.APR.2018 11:44:14

3 MHz - Ch: 20635 - RB# 1 RB Pos: 14



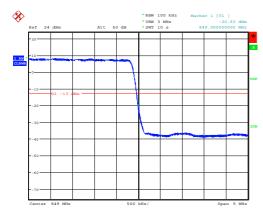
Date: 3.APR.2018 11:44:43

Integration 1 MHz outside the authorized band



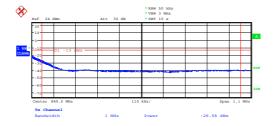
Date: 3.APR.2018 11:45:07

3 MHz - Ch: 20635 - RB# 15 RB Pos: 0



Date: 3.APR.2018 11:45:34

Integration 1 MHz outside the authorized band



Date: 3.APR.2018 11:45:59

Report Number: 31851515.001

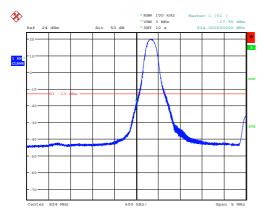
EUT: HSA-15

Issue Date: May 29, 2018

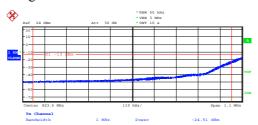
Date: 3.APR.2018 11:46:25

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5 MHz - Ch: 20425 - RB# 1 RB Pos: 0

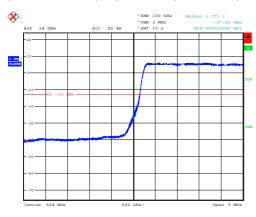


Integration 1 MHz outside the authorized band



Date: 3.APR.2018 11:46:50

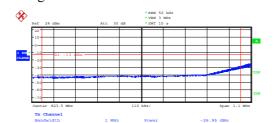
5 MHz - Ch: 20425 - RB# 25 RB Pos: 0



Integration 1 MHz outside the authorized band

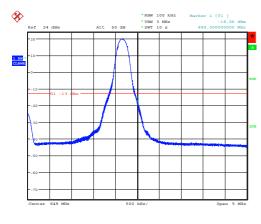
Date: 3.APR.2018 11:47:18

Date: 3.APR.2018 11:48:12

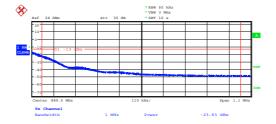


Date: 3.APR.2018 11:47:43

5 MHz - Ch: 20625 - RB# 1 RB Pos: 24



Integration 1 MHz outside the authorized band



Date: 3.APR.2018 11:49:03

Report Number: 31851515.001

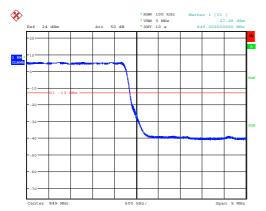
EUT: HSA-15

Date: 3.APR.2018 11:48:36

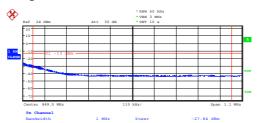
Issue Date: May 29, 2018

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5 MHz - Ch: 20625 - RB# 25 RB Pos: 0

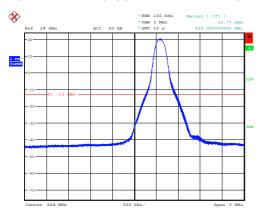


Integration 1 MHz outside the authorized band



Date: 3.APR.2018 11:49:27

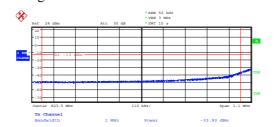
10 MHz - Ch: 20450 - RB# 1 RB Pos: 0



Integration 1 MHz outside the authorized band

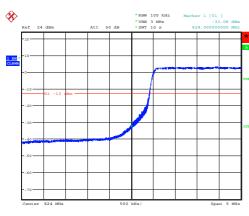
Date: 3.APR.2018 11:49:54

Date: 3.APR.2018 11:50:48

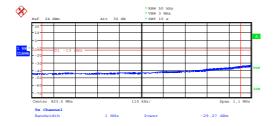


Date: 3.APR.2018 11:50:19

10 MHz - Ch: 20450 - RB# 50 RB Pos: 0



Integration 1 MHz outside the authorized band



Date: 3.APR.2018 11:51:13 Date: 3.APR.2018 11:51:43

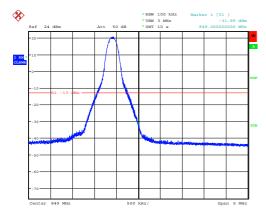
Report Number: 31851515.001

EUT: HSA-15

Issue Date: May 29, 2018

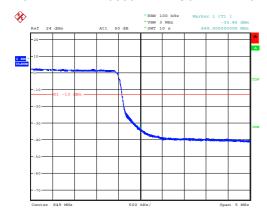
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10 MHz - Ch: 20600 - RB# 1 RB Pos: 49



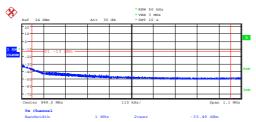
Date: 3.APR.2018 11:52:08 Date: 3.APR.2018 11:52:36

10 MHz - Ch: 20600 - RB# 50 RB Pos: 0

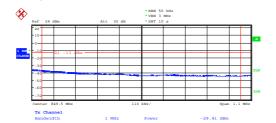


Date: 3.APR.2018 11:53:01 Date: 3.APR.2018 11:53:29

Integration 1 MHz outside the authorized band



Integration 1 MHz outside the authorized band



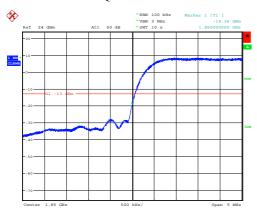
Report Number: 31851515.001 Page 189 of 215

EUT: HSA-15

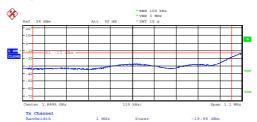
6.4.2 Part 24

6.4.2.1 WCDMA Band 2

Channel 9262 - QPSK

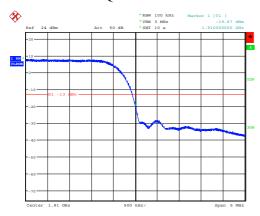


Integration 1 MHz outside the authorized band



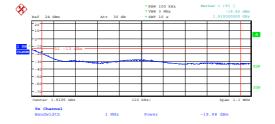
Date: 27.MAR.2018 18:39:21

Channel 9538 - QPSK



Date: 27.MAR.2018 18:40:39

Integration 1 MHz outside the authorized band



Date: 27.MAR.2018 18:41:06

Date: 27.MAR.2018 18:40:07

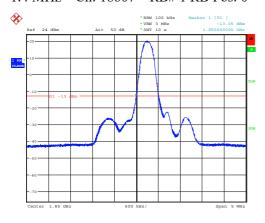
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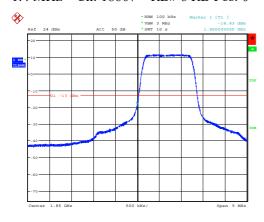
6.4.2.2 <u>LTE Band 2</u>

1.4 MHz - Ch: 18607 - RB# 1 RB Pos: 0



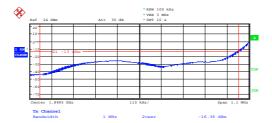
Date: 30.MAR.2018 08:31:15

1.4 MHz – Ch: 18607 – RB# 6 RB Pos: 0

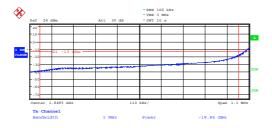


Date: 30.MAR.2018 08:32:08

Integration 1 MHz outside the authorized band



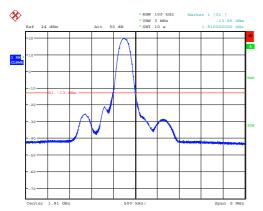
Date: 30.MAR.2018 08:31:44



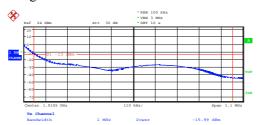
Date: 30.MAR.2018 08:32:36

Report Number: 31851515.001 EUT: HSA-15

1.4 MHz - Ch: 19193 - RB# 1 RB Pos: 5

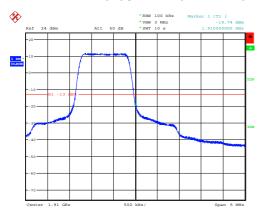


Integration 1 MHz outside the authorized band



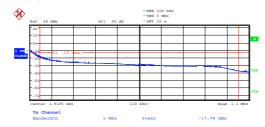
Date: 30.MAR.2018 08:33:01

1.4 MHz - Ch: 19193 - RB# 6 RB Pos: 0



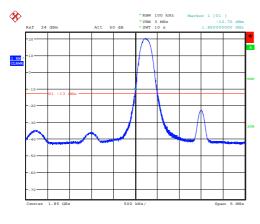
Date: 30.MAR.2018 08:33:27

Integration 1 MHz outside the authorized band



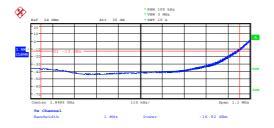
Date: 30.MAR.2018 08:33:52

3 MHz - Ch: 18615 - RB# 1 RB Pos: 0



Date: 30.MAR.2018 08:34:18

Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 08:35:11

Report Number: 31851515.001

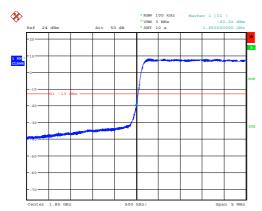
EUT: HSA-15

Date: 30.MAR.2018 08:34:42

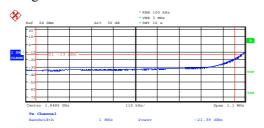
Issue Date: May 29, 2018

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3 MHz - Ch: 18615 - RB# 15 RB Pos: 0

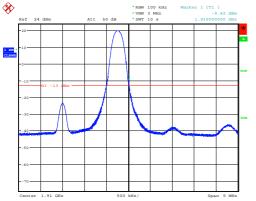


Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 08:35:35

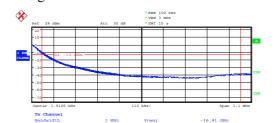
3 MHz - Ch: 19185 - RB# 1 RB Pos: 14



Integration 1 MHz outside the authorized band

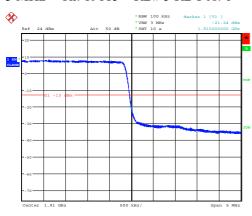
Date: 30.MAR.2018 08:36:04

Date: 30.MAR.2018 08:36:55

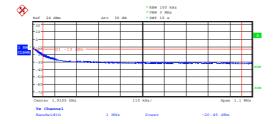


Date: 30.MAR.2018 08:36:28

3 MHz - Ch: 19185 - RB# 5 RB Pos: 0



Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 08:37:45

Report Number: 31851515.001

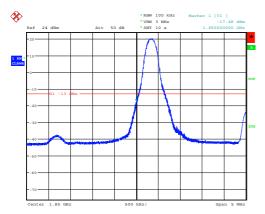
EUT: HSA-15

Date: 30.MAR.2018 08:37:19

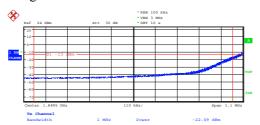
Issue Date: May 29, 2018

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5 MHz - Ch: 18625 - RB# 1 RB Pos: 0

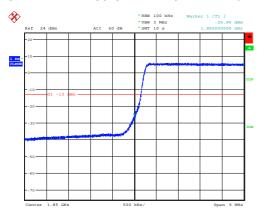


Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 08:38:10

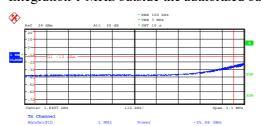
5 MHz - Ch: 18625 - RB# 25 RB Pos: 0



Integration 1 MHz outside the authorized band

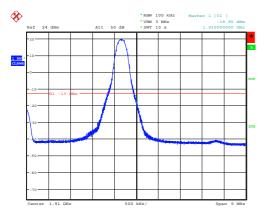
Date: 30.MAR.2018 08:38:38

Date: 30.MAR.2018 08:39:31

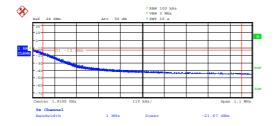


Date: 30.MAR.2018 08:39:03

5 MHz - Ch: 19175 - RB# 1 RB Pos: 24



Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 08:40:22

Report Number: 31851515.001

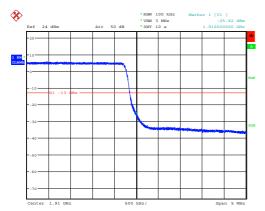
EUT: HSA-15

Date: 30.MAR.2018 08:39:55

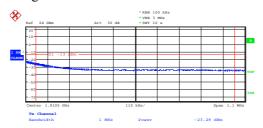
Issue Date: May 29, 2018

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5 MHz - Ch: 19175 - RB# 25 RB Pos: 0

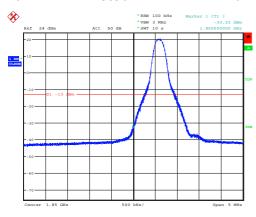


Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 08:40:46

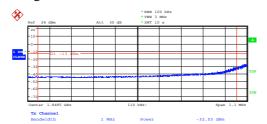
10 MHz - Ch: 18650 - RB# 1 RB Pos: 0



Integration 1 MHz outside the authorized band

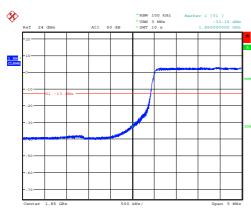
Date: 30.MAR.2018 08:41:13

Date: 30.MAR.2018 08:42:06

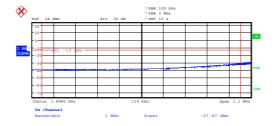


Date: 30.MAR.2018 08:41:37

10 MHz - Ch: 18650 - RB# 50 RB Pos: 0



Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 08:42:30 Date: 30.MAR.2018 08:42:59

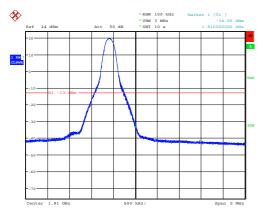
Report Number: 31851515.001

EUT: HSA-15

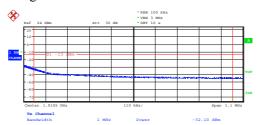
Issue Date: May 29, 2018

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10 MHz - Ch: 19150 - RB# 1 RB Pos: 49

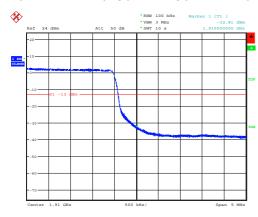


Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 08:43:23

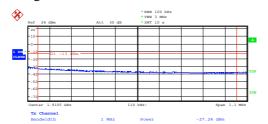
10 MHz - Ch: 19150 - RB# 50 RB Pos: 0



Integration 1 MHz outside the authorized band

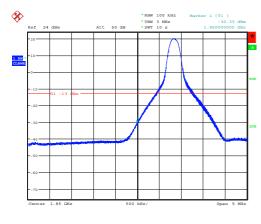
Date: 30.MAR.2018 08:43:49

Date: 30.MAR.2018 08:44:40

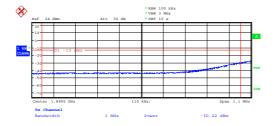


Date: 30.MAR.2018 08:44:14

15 MHz - Ch: 18675 - RB# 1 RB Pos: 0



Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 08:45:33

Report Number: 31851515.001

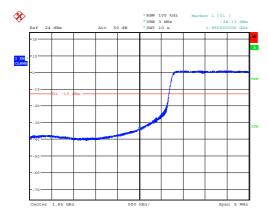
EUT: HSA-15

Date: 30.MAR.2018 08:45:04

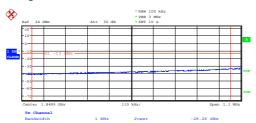
Issue Date: May 29, 2018

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15 MHz - Ch: 18675 - RB# 75 RB Pos: 0

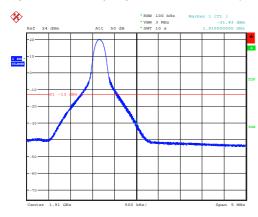


Integration 1 MHz outside the authorized band



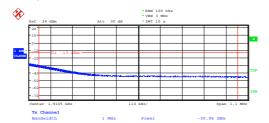
Date: 30.MAR.2018 08:45:57

15 MHz - Ch: 19125 - RB# 1 RB Pos: 74



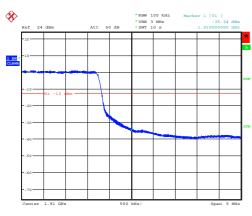
Integration 1 MHz outside the authorized band

Date: 30.MAR.2018 08:46:26



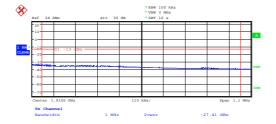
Date: 30.MAR.2018 08:46:50

15 MHz - Ch: 19125 - RB# 75 RB Pos: 0



Integration 1 MHz outside the authorized band

Date: 30.MAR.2018 08:47:17



Date: 30.MAR.2018 08:48:07

Report Number: 31851515.001

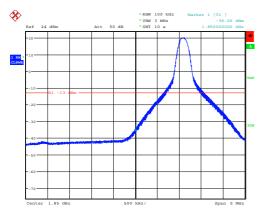
EUT: HSA-15

Date: 30.MAR.2018 08:47:41

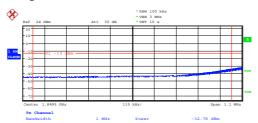
Issue Date: May 29, 2018

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20 MHz - Ch: 18700 - RB# 1 RB Pos: 0

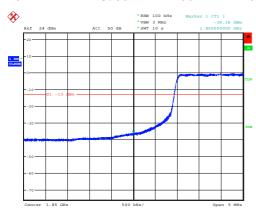


Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 08:48:32

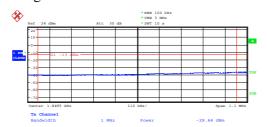
20 MHz - Ch: 18700 - RB# 100 RB Pos: 0



Integration 1 MHz outside the authorized band

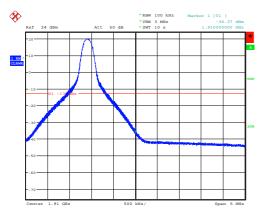
Date: 30.MAR.2018 08:49:00

Date: 30.MAR.2018 08:49:53

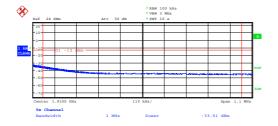


Date: 30.MAR.2018 08:49:25

20 MHz - Ch: 19100 - RB# 1 RB Pos: 99



Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 09:00:53

Report Number: 31851515.001

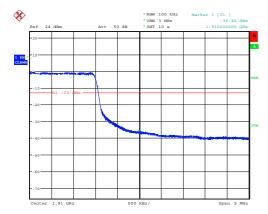
EUT: HSA-15

Date: 30.MAR.2018 09:00:27

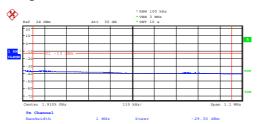
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20 MHz - Ch: 19100 - RB# 100 RB Pos: 0



Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 09:01:18

Date: 30.MAR.2018 09:01:44

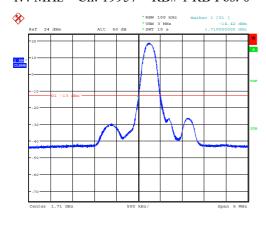
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6.4.3 Part 27

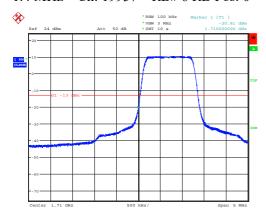
6.4.3.1 <u>LTE Band 4</u>

1.4 MHz – Ch: 19957 – RB# 1 RB Pos: 0



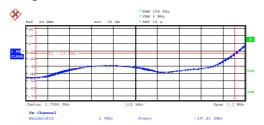
Date: 30.MAR.2018 11:15:49

1.4 MHz – Ch: 19957 – RB# 6 RB Pos: 0



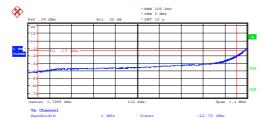
Date: 30.MAR.2018 11:16:41

Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 11:16:17

Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 11:17:10

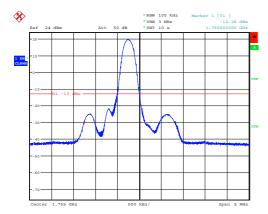
Report Number: 31851515.001

EUT: HSA-15

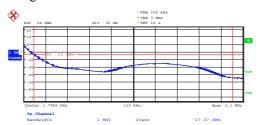
Issue Date: May 29, 2018

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1.4 MHz - Ch: 20393 - RB# 1 RB Pos: 5

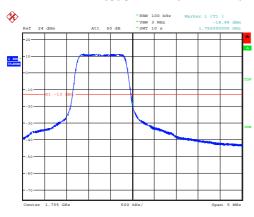


Integration 1 MHz outside the authorized band



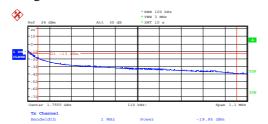
Date: 30.MAR.2018 11:17:34

1.4 MHz - Ch: 20393 - RB# 6 RB Pos: 0



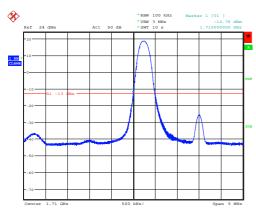
Integration 1 MHz outside the authorized band

Date: 30.MAR.2018 11:18:01

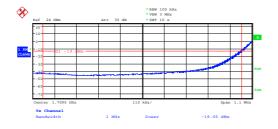


Date: 30.MAR.2018 11:18:25

3 MHz - Ch: 19965 - RB# 1 RB Pos: 0



Date: 30.MAR.2018 11:18:52



Integration 1 MHz outside the authorized band

Date: 30.MAR.2018 11:19:45

Report Number: 31851515.001

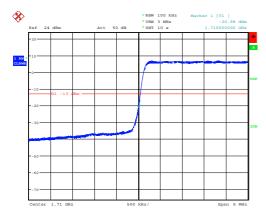
EUT: HSA-15

Date: 30.MAR.2018 11:19:16

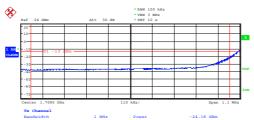
Issue Date: May 29, 2018

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3 MHz - Ch: 19965 - RB# 15 RB Pos: 0

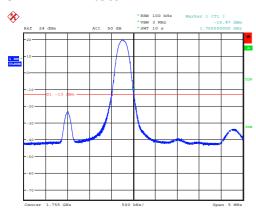


Integration 1 MHz outside the authorized band



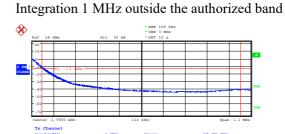
Date: 30.MAR.2018 11:20:09

3 MHz - Ch: 20385 - RB# 1 RB Pos: 14



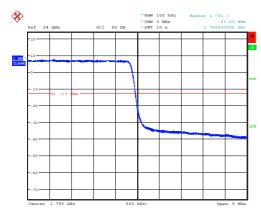
Date: 30.MAR.2018 11:20:38

Date: 30.MAR.2018 11:21:28

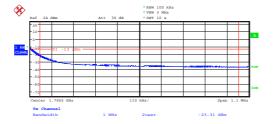


Date: 30.MAR.2018 11:21:02

3 MHz - Ch: 20385 - RB# 15 RB Pos: 0



Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 11:22:19

Report Number: 31851515.001

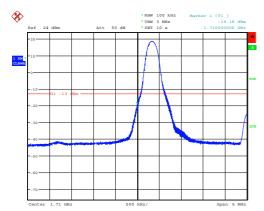
EUT: HSA-15

Date: 30.MAR.2018 11:21:53

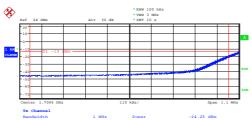
Issue Date: May 29, 2018

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5 MHz - Ch: 19975 - RB# 1 RB Pos: 0

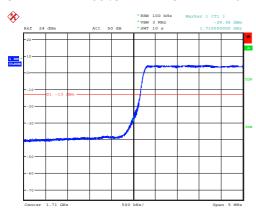


Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 11:22:44

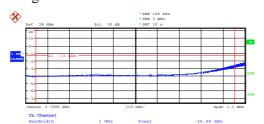
5 MHz - Ch: 19975 - RB# 25 RB Pos: 0



Integration 1 MHz outside the authorized band

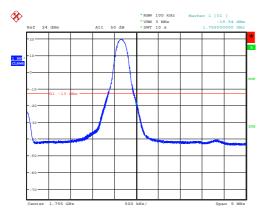
Date: 30.MAR.2018 11:23:12

Date: 30.MAR.2018 11:24:05

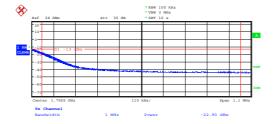


Date: 30.MAR.2018 11:23:37

5 MHz - Ch: 20375 - RB# 1 RB Pos: 24



Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 11:24:56

Report Number: 31851515.001

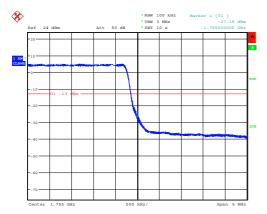
EUT: HSA-15

Date: 30.MAR.2018 11:24:29

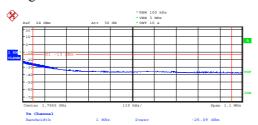
Issue Date: May 29, 2018

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5 MHz - Ch: 20375 - RB# 25 RB Pos: 0

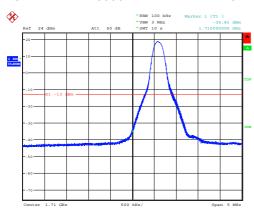


Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 11:25:21

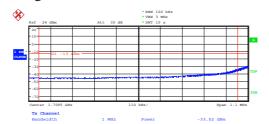
10MHz - Ch: 20000 - RB# 1 RB Pos: 0



Integration 1 MHz outside the authorized band

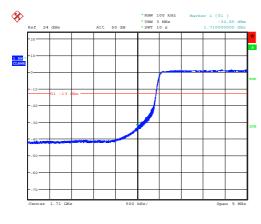
Date: 30.MAR.2018 11:25:47

Date: 30.MAR.2018 11:26:40

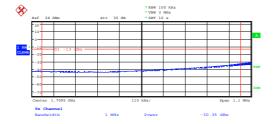


Date: 30.MAR.2018 11:26:12

10MHz - Ch: 20000 - RB# 50 RB Pos: 0



Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 11:27:33

Report Number: 31851515.001

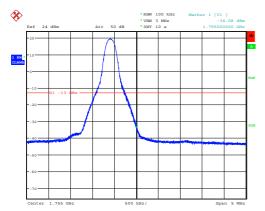
EUT: HSA-15

Date: 30.MAR.2018 11:27:05

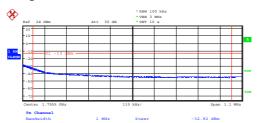
Issue Date: May 29, 2018

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10MHz - Ch: 20350 - RB# 1 RB Pos: 49

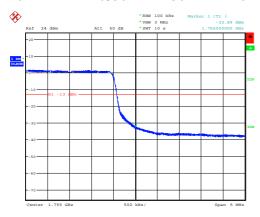


Integration 1 MHz outside the authorized band



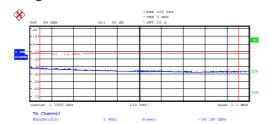
Date: 30.MAR.2018 11:27:58

10MHz - Ch: 20350 - RB# 50 RB Pos: 0



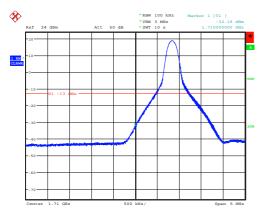
Integration 1 MHz outside the authorized band

Date: 30.MAR.2018 11:28:24

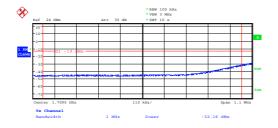


Date: 30.MAR.2018 11:28:48

15 MHz - Ch: 20025 - RB# 1 RB Pos: 0



Date: 30.MAR.2018 11:29:15



Integration 1 MHz outside the authorized band

Date: 30.MAR.2018 11:30:08

Report Number: 31851515.001

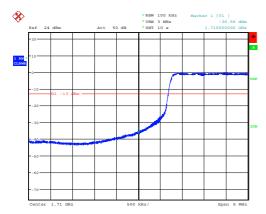
EUT: HSA-15

Date: 30.MAR.2018 11:29:39

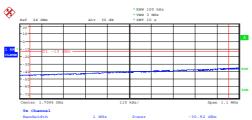
Issue Date: May 29, 2018

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15 MHz - Ch: 20025 - RB# 75 RB Pos: 0

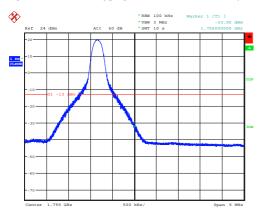


Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 11:30:32

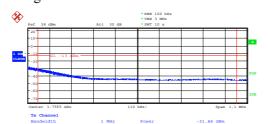
15 MHz - Ch: 20325 - RB# 1 RB Pos: 74



Integration 1 MHz outside the authorized band

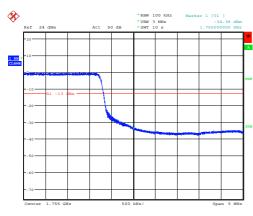
Date: 30.MAR.2018 11:31:01

Date: 30.MAR.2018 11:31:52

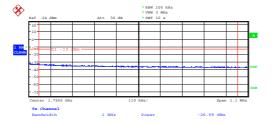


Date: 30.MAR.2018 11:31:25

15 MHz - Ch: 20325 - RB# 75 RB Pos: 0



Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 11:32:16 Date: 30.MAR.2018 11:32:43

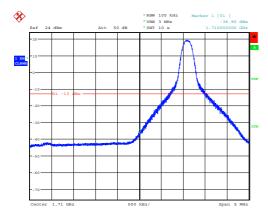
Report Number: 31851515.001

EUT: HSA-15

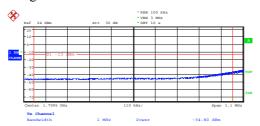
Issue Date: May 29, 2018

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20 MHz - Ch: 20050 - RB# 1 RB Pos: 0

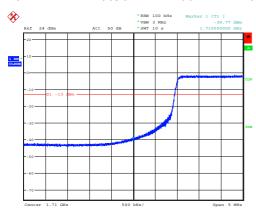


Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 11:33:07

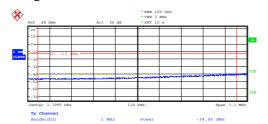
20 MHz - Ch: 20050 - RB# 100 RB Pos: 0



Integration 1 MHz outside the authorized band

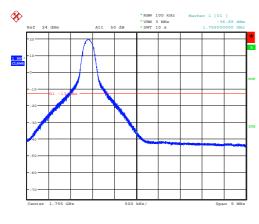
Date: 30.MAR.2018 11:33:35

Date: 30.MAR.2018 11:34:28

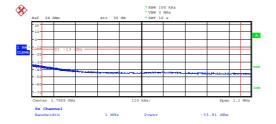


Date: 30.MAR.2018 11:34:00

20 MHz - Ch: 20050 - RB# 1 RB Pos: 99



Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 11:35:19

Report Number: 31851515.001

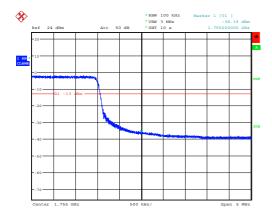
EUT: HSA-15

Date: 30.MAR.2018 11:34:53

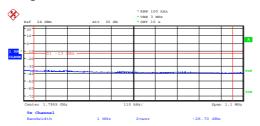
Issue Date: May 29, 2018

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20 MHz - Ch: 20300 - RB# 100 RB Pos: 0



Integration 1 MHz outside the authorized band



Date: 30.MAR.2018 11:35:43

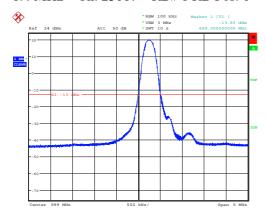
Date: 30.MAR.2018 11:36:10

Report Number: 31851515.001 EUT: HSA-15 Issue Date: May 29, 2018

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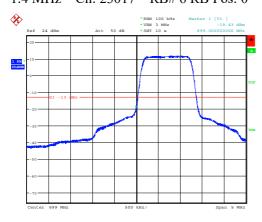
6.4.3.2 **LTE Band 12**

1.4 MHz – Ch: 23017 – RB# 1 RB Pos: 0



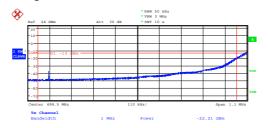
Date: 3.APR.2018 12:23:57

1.4 MHz - Ch: 23017 - RB# 6 RB Pos: 0



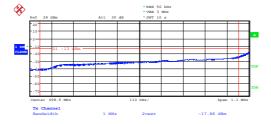
Date: 3.APR.2018 12:24:50

Integration 1 MHz outside the authorized band



Date: 3.APR.2018 12:24:26

Integration 1 MHz outside the authorized band



Date: 3.APR.2018 12:25:19

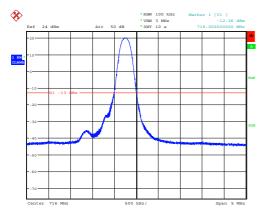
Report Number: 31851515.001

EUT: HSA-15

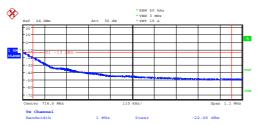
Issue Date: May 29, 2018

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1.4 MHz - Ch: 23173 - RB# 1 RB Pos: 5

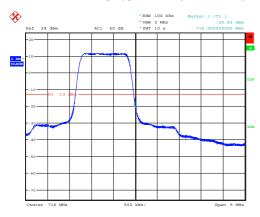


Integration 1 MHz outside the authorized band



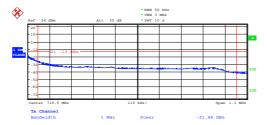
Date: 3.APR.2018 12:25:43

1.4 MHz - Ch: 23173 - RB# 6 RB Pos: 0



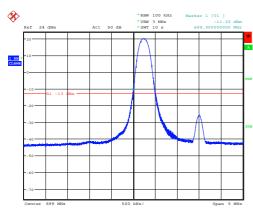
Date: 3.APR.2018 12:26:10

Integration 1 MHz outside the authorized band



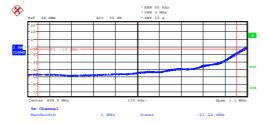
Date: 3.APR.2018 12:26:34

3 MHz - Ch: 23025 - RB# 1 RB Pos: 0



Date: 3.APR.2018 12:27:01

Integration 1 MHz outside the authorized band



Date: 3.APR.2018 12:27:54

Report Number: 31851515.001

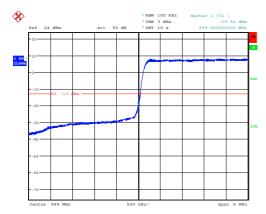
EUT: HSA-15

Date: 3.APR.2018 12:27:25

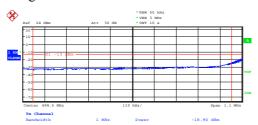
Issue Date: May 29, 2018

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3 MHz - Ch: 23025 - RB# 15 RB Pos: 0

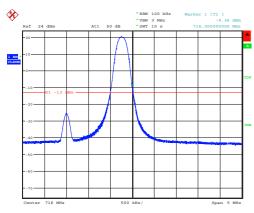


Integration 1 MHz outside the authorized band



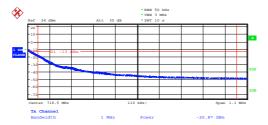
Date: 3.APR.2018 12:28:18

3 MHz - Ch: 23165 - RB# 1 RB Pos: 14



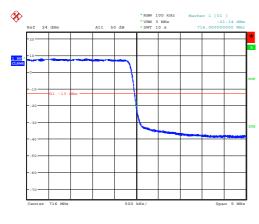
Date: 3.APR.2018 12:28:47

Integration 1 MHz outside the authorized band



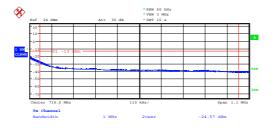
Date: 3.APR.2018 12:29:11

3 MHz - Ch: 23165 - RB# 15 RB Pos: 0



Date: 3.APR.2018 12:29:38

Integration 1 MHz outside the authorized band



Date: 3.APR.2018 12:30:29

Report Number: 31851515.001

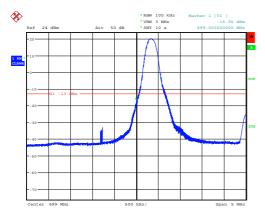
EUT: HSA-15

Date: 3.APR.2018 12:30:03

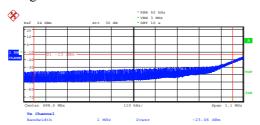
Issue Date: May 29, 2018

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5 MHz - Ch: 23035 - RB# 1 RB Pos: 0

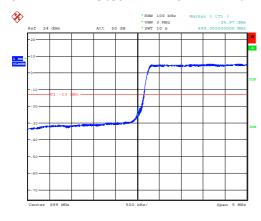


Integration 1 MHz outside the authorized band



Date: 3.APR.2018 12:30:54

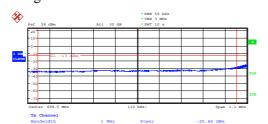
5 MHz - Ch: 23035 - RB# 25 RB Pos: 0



Integration 1 MHz outside the authorized band

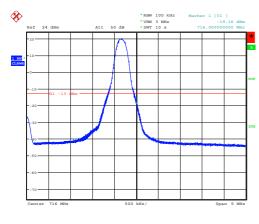
Date: 3.APR.2018 12:31:22

Date: 3.APR.2018 12:32:15

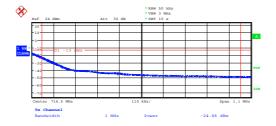


Date: 3.APR.2018 12:31:47

5 MHz - Ch: 23155 - RB# 1 RB Pos: 24



Integration 1 MHz outside the authorized band



Date: 3.APR.2018 12:33:07

Report Number: 31851515.001

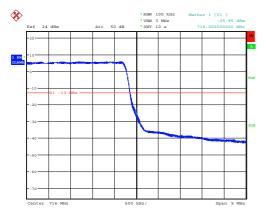
EUT: HSA-15

Date: 3.APR.2018 12:32:40

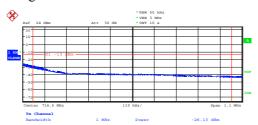
Issue Date: May 29, 2018

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5 MHz - Ch: 23155 - RB# 25 RB Pos: 0

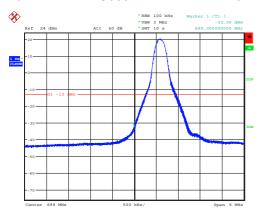


Integration 1 MHz outside the authorized band



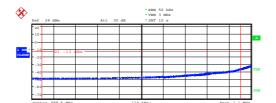
Date: 3.APR.2018 12:33:31

10 MHz - Ch: 23060 - RB# 1 RB Pos: 0



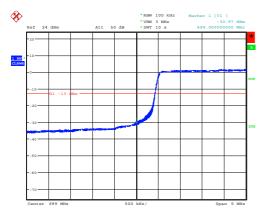
Integration 1 MHz outside the authorized band

Date: 3.APR.2018 12:33:58

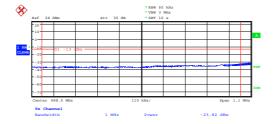


Date: 3.APR.2018 12:34:23

10 MHz - Ch: 23060 - RB# 50 RB Pos: 0



Integration 1 MHz outside the authorized band



Date: 3.APR.2018 12:35:47

Date: 3.APR.2018 12:34:52

Report Number: 31851515.001

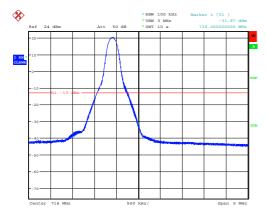
EUT: HSA-15

Date: 3.APR.2018 12:35:18

Issue Date: May 29, 2018

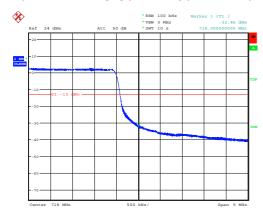
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10 MHz - Ch: 23130 - RB# 1 RB Pos: 49



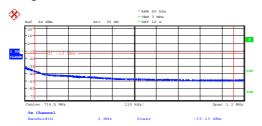
Date: 3.APR.2018 12:36:12

10 MHz - Ch: 23130 - RB# 50 RB Pos: 0



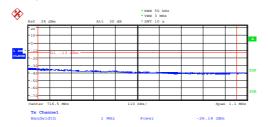
Date: 3.APR.2018 12:37:04

Integration 1 MHz outside the authorized band



Date: 3.APR.2018 12:36:39

Integration 1 MHz outside the authorized band



Date: 3.APR.2018 12:37:31

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END OF REPROT

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