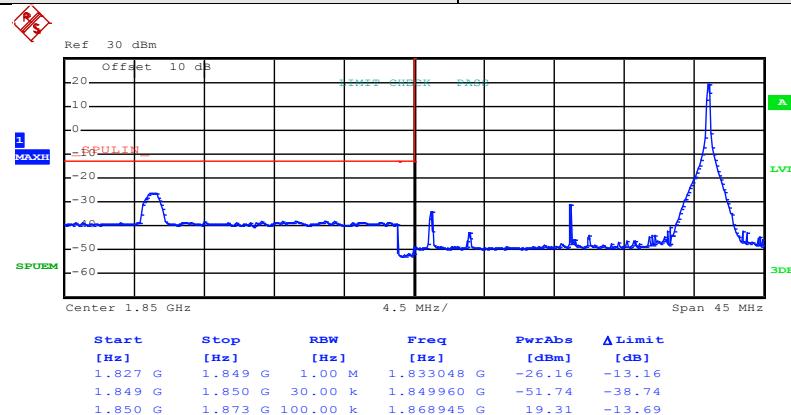


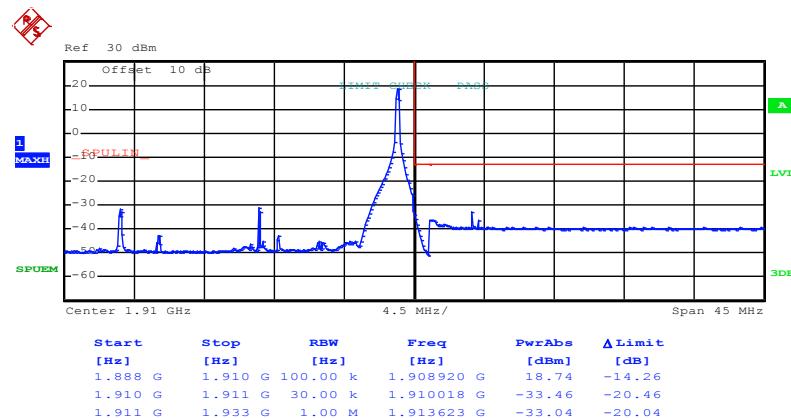
Test Mode:

LTE band 2(QPSK RB Size 1 & RB Offset 99)



Date: 23.NOV.2015 14:04:22

### Lowest channel

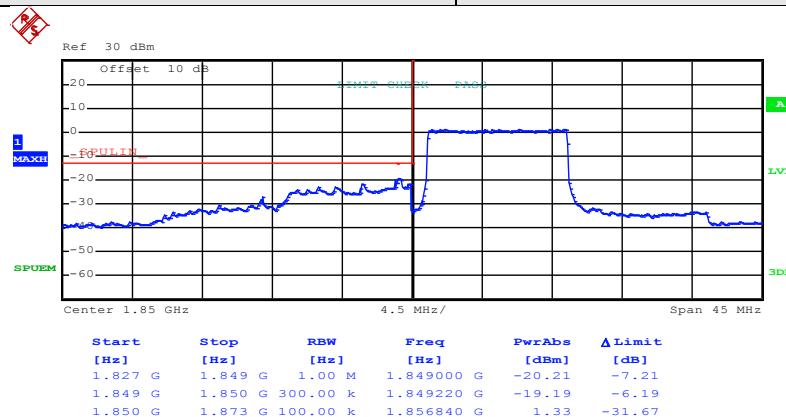


Date: 23.NOV.2015 14:06:42

### Highest channel

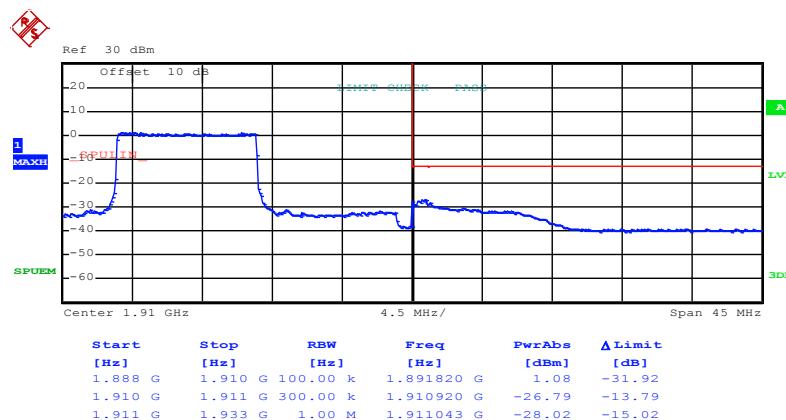
Test Mode:

LTE band 2(QPSK RB Size 50 & RB Offset 0)



Date: 23.NOV.2015 14:05:03

### Lowest channel

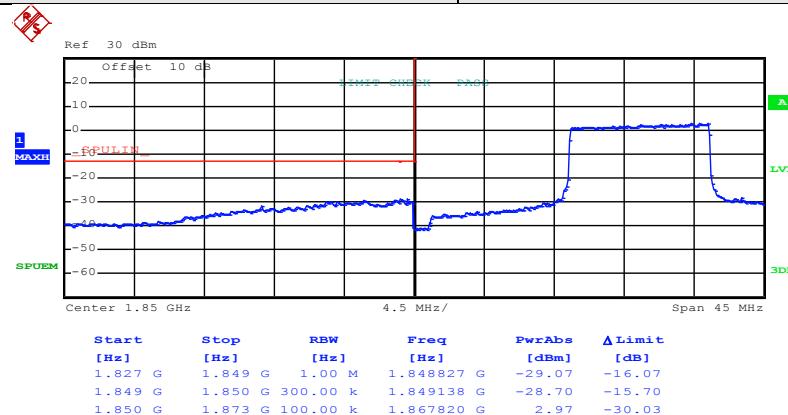


Date: 23.NOV.2015 14:07:08

### Highest channel

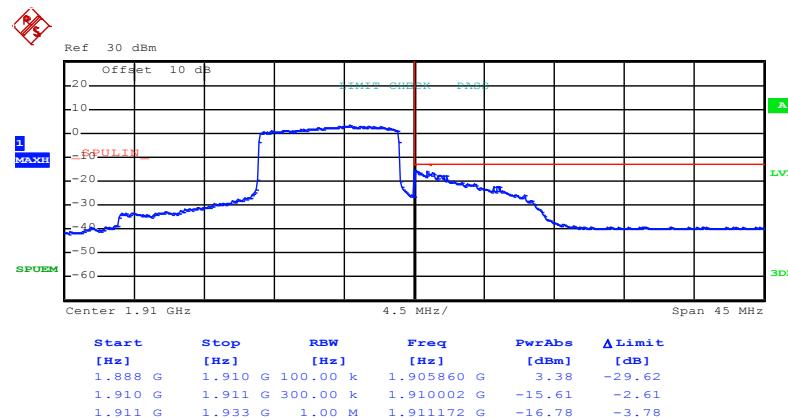
Test Mode:

LTE band 2(QPSK RB Size 50 & RB Offset 49)



Date: 23.NOV.2015 14:05:24

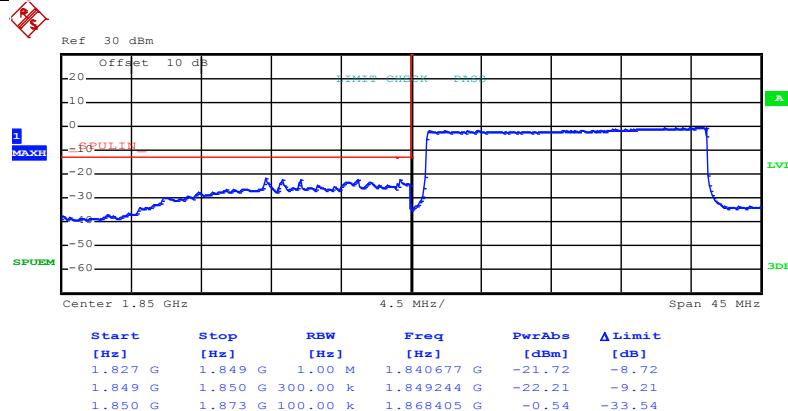
### Lowest channel



Date: 23.NOV.2015 14:07:34

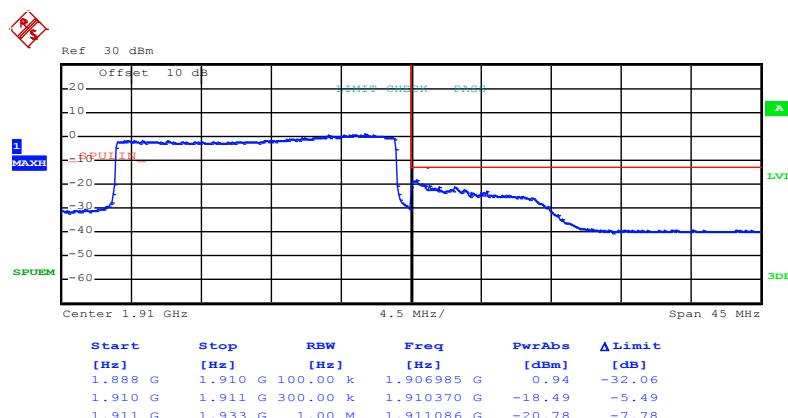
### Highest channel

Test Mode:	LTE band 2(QPSK RB Size 100 & RB Offset 0)
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Date: 23.NOV.2015 14:05:48

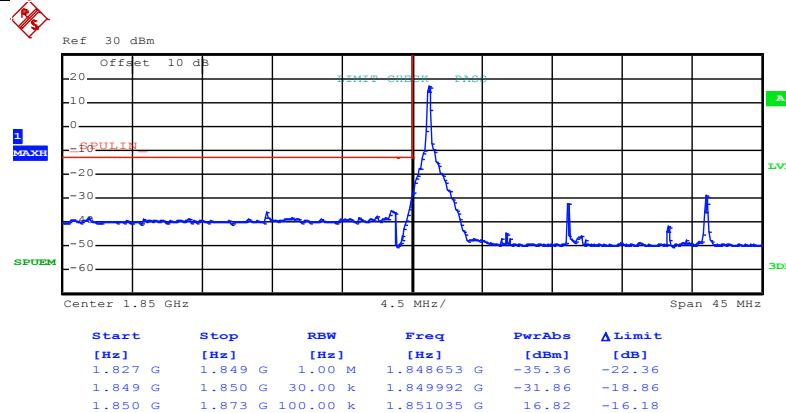
### Lowest channel



Date: 23.NOV.2015 14:07:56

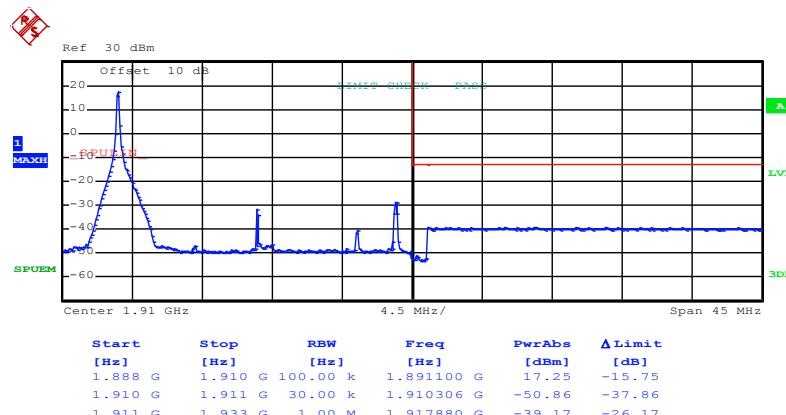
### Highest channel

Test Mode:	LTE band 2(16QAM RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 14:04:04

### Lowest channel

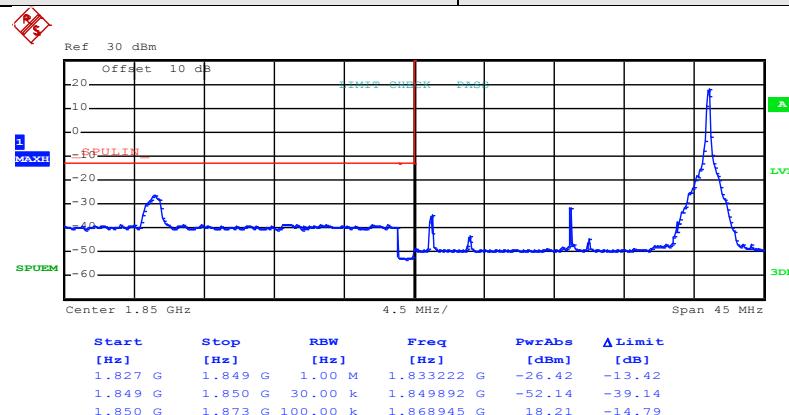


Date: 23.NOV.2015 14:06:31

### Highest channel

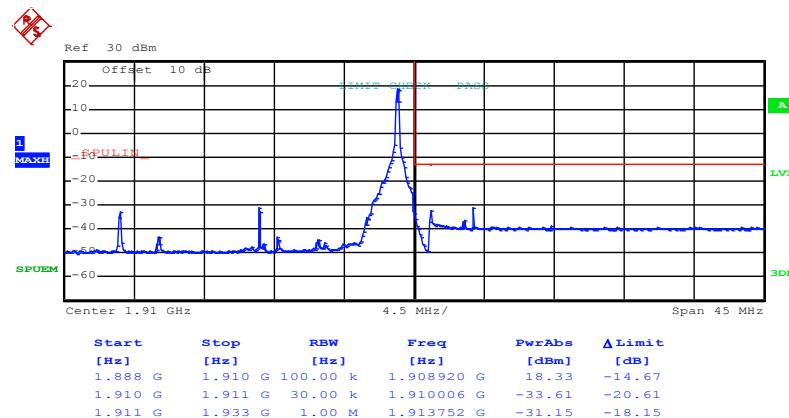
Test Mode:

LTE band 2(16QAM RB Size 1 & RB Offset 99)



Date: 23.NOV.2015 14:04:47

### Lowest channel

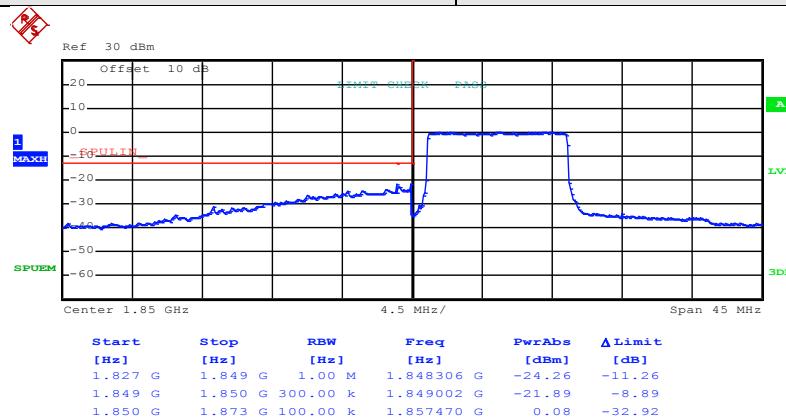


Date: 23.NOV.2015 14:06:52

### Highest channel

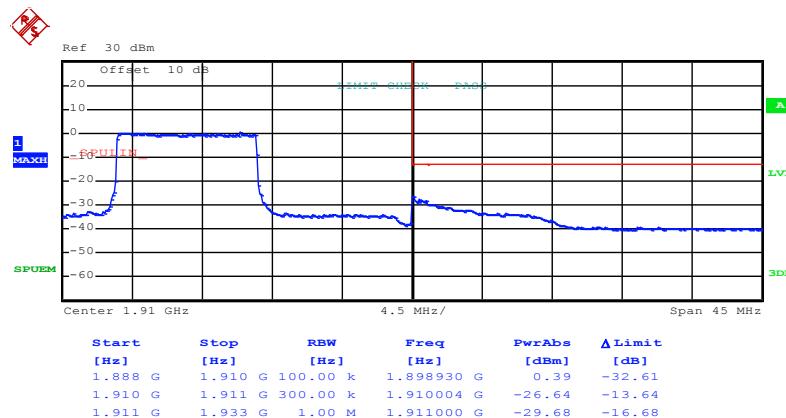
Test Mode:

LTE band 2(16QAM RB Size 50 & RB Offset 0)



Date: 23.NOV.2015 14:05:12

### Lowest channel

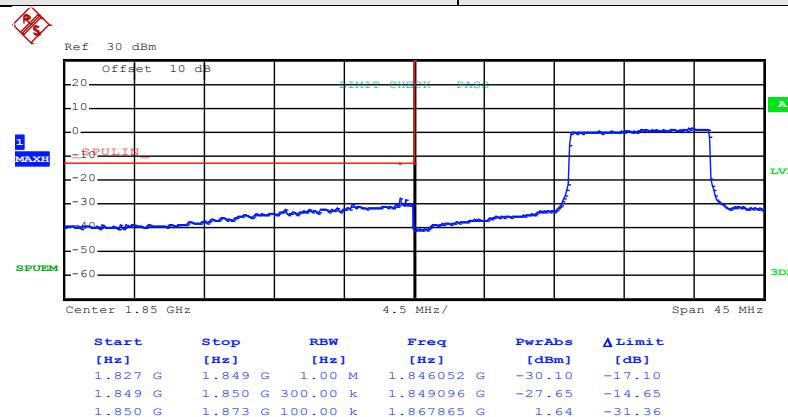


Date: 23.NOV.2015 14:07:20

### Highest channel

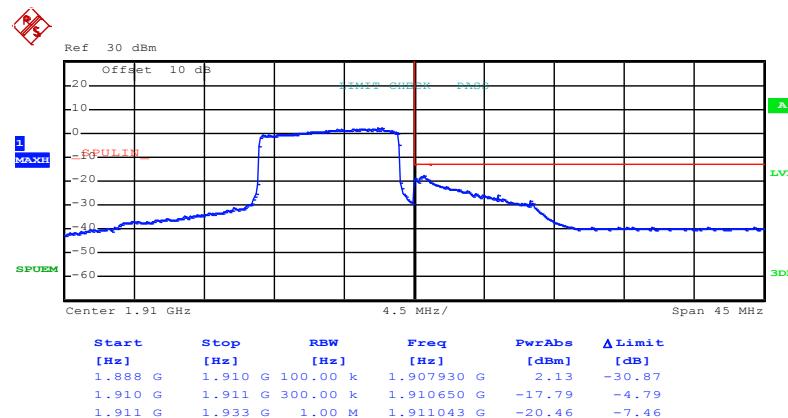
Test Mode:

LTE band 2(16QAM RB Size 50 & RB Offset 49)



Date: 23.NOV.2015 14:05:35

### Lowest channel

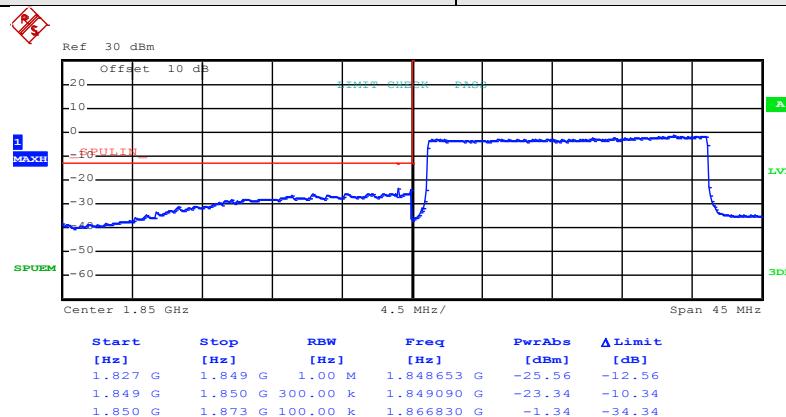


Date: 23.NOV.2015 14:07:44

### Highest channel

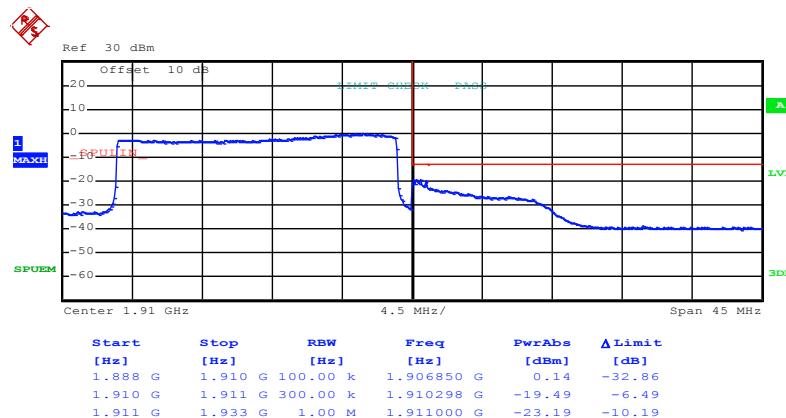
Test Mode:

LTE band 2(16QAM RB Size 100 & RB Offset 0)



Date: 23.NOV.2015 14:05:56

### Lowest channel



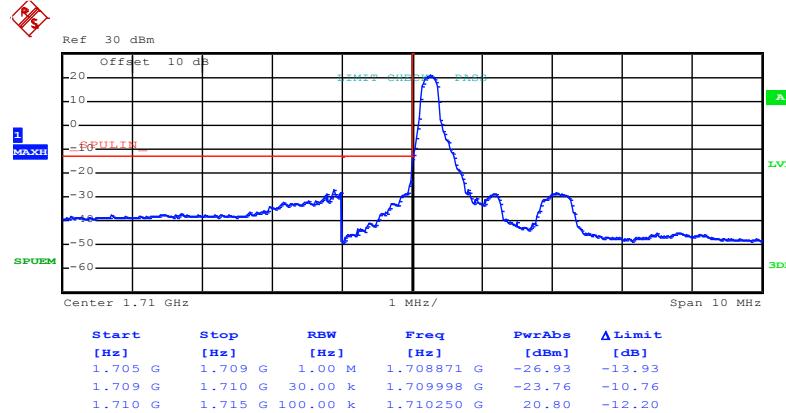
Date: 23.NOV.2015 14:08:11

### Highest channel

## LTE band 4 part:

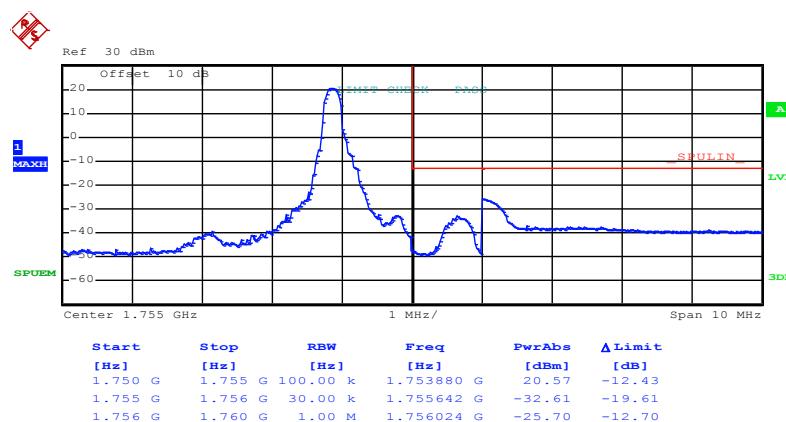
1.4MHz:

Test Mode:	LTE band 4(QPSK RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 15:27:41

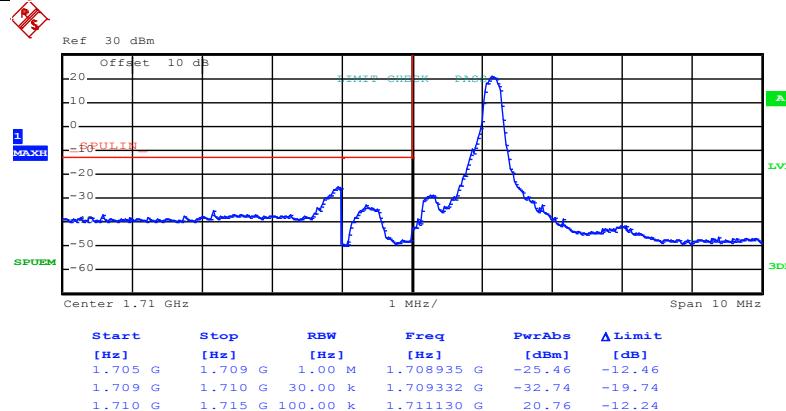
Lowest channel



Date: 23.NOV.2015 15:29:58

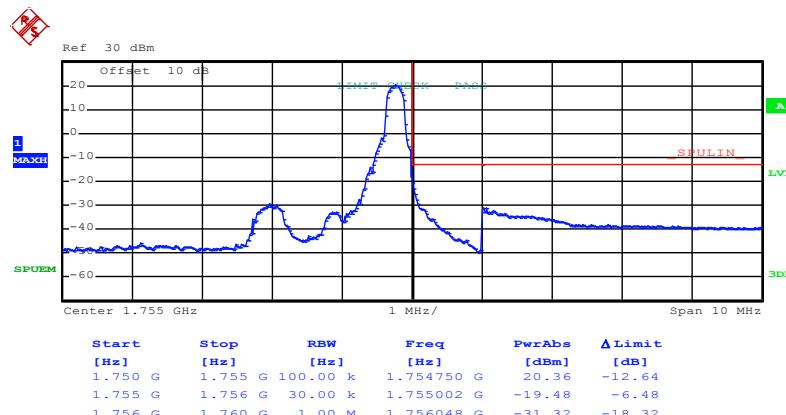
Highest channel

Test Mode:	LTE band 4(QPSK RB Size 1 & RB Offset 5)
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Date: 23.NOV.2015 15:28:17

### Lowest channel

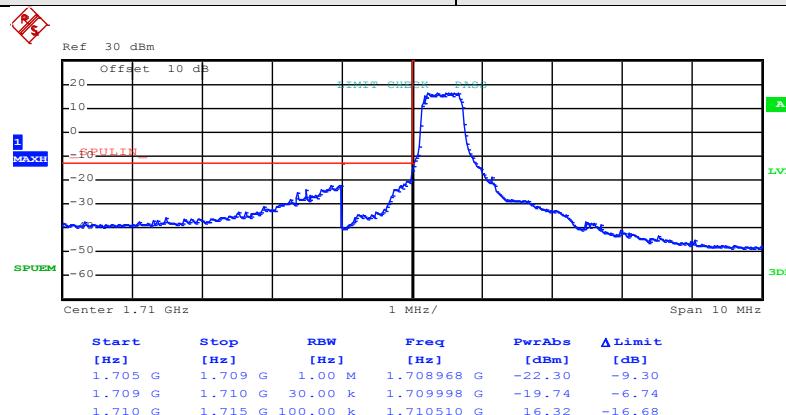


Date: 23.NOV.2015 15:30:15

### Highest channel

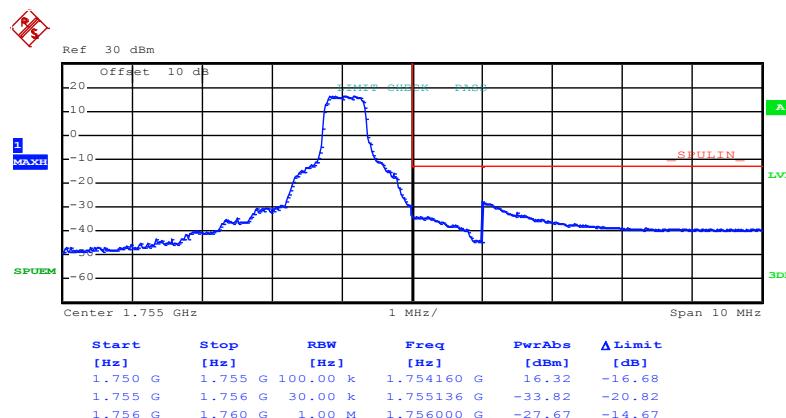
Test Mode:

LTE band 4(QPSK RB Size 3 & RB Offset 0)



Date: 23.NOV.2015 15:28:46

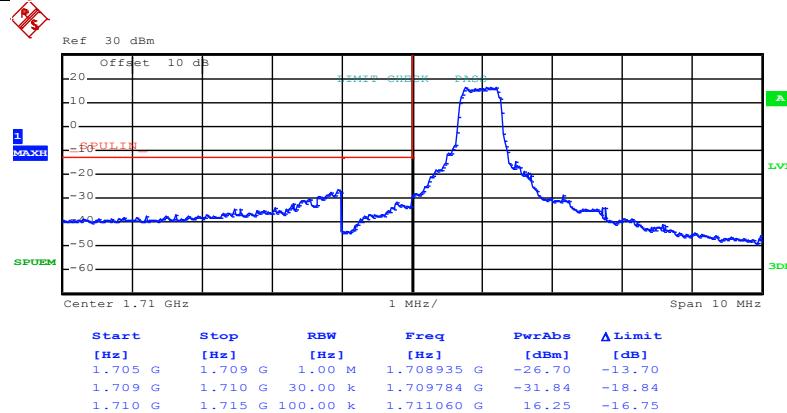
### Lowest channel



Date: 23.NOV.2015 15:30:32

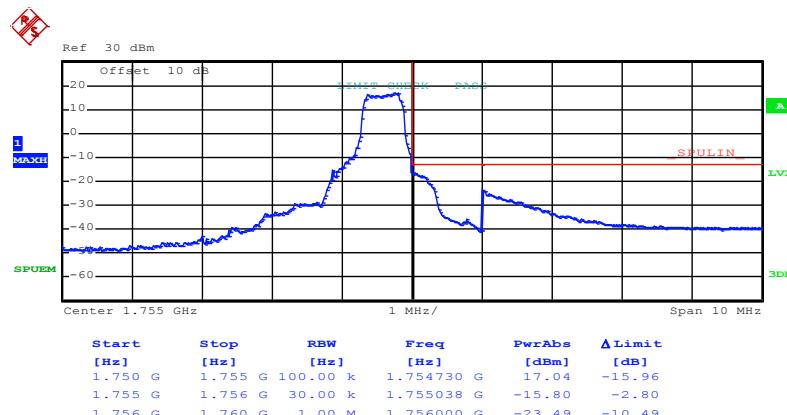
### Highest channel

Test Mode:	LTE band 4(QPSK RB Size 3 & RB Offset 2)
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Date: 23.NOV.2015 15:29:15

### Lowest channel

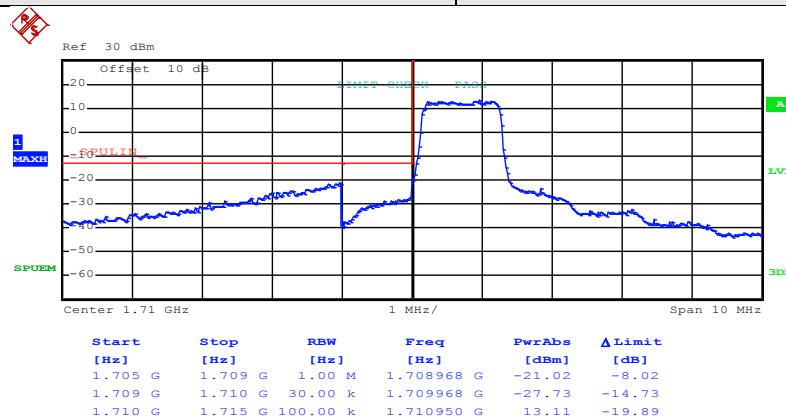


Date: 23.NOV.2015 15:30:47

### Highest channel

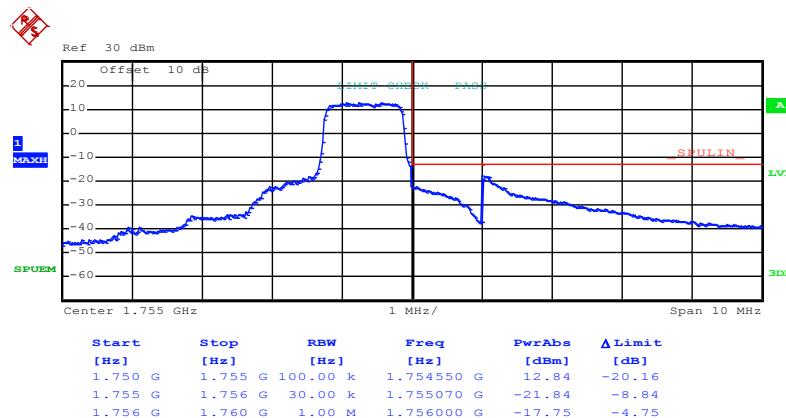
Test Mode:

LTE band 4(QPSK RB Size 6 & RB Offset 0)



Date: 23.NOV.2015 15:29:33

### Lowest channel

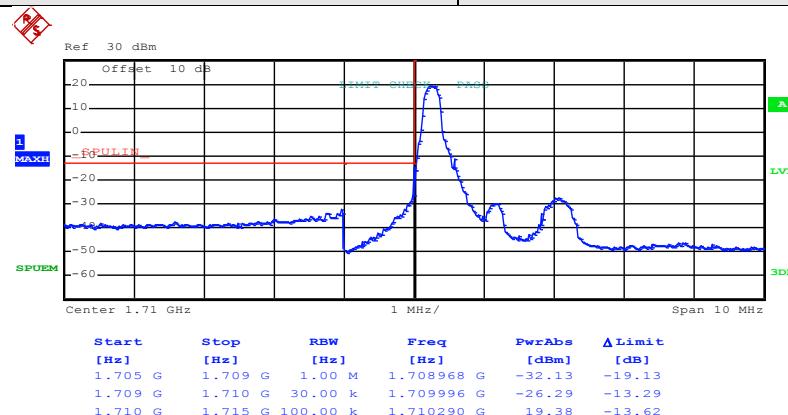


Date: 23.NOV.2015 15:31:02

### Highest channel

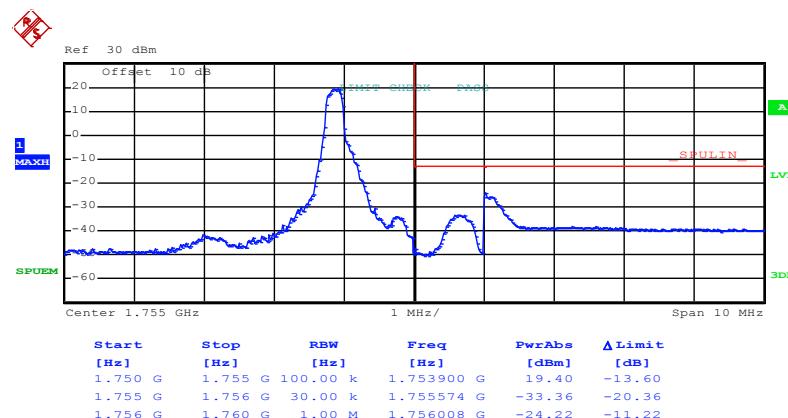
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 0)



Date: 23.NOV.2015 15:28:08

### Lowest channel

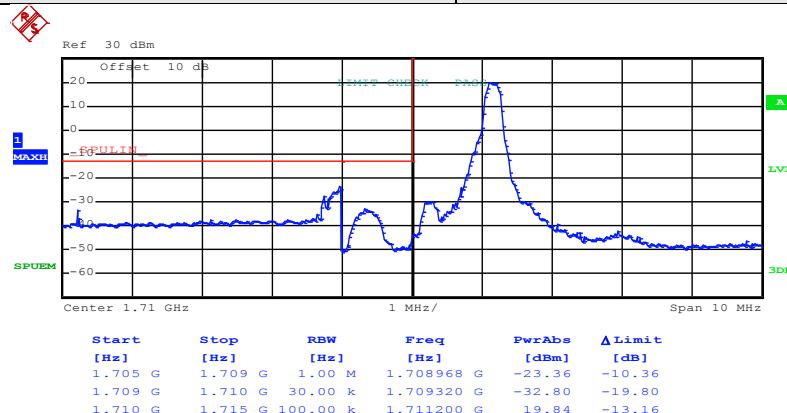


Date: 23.NOV.2015 15:30:06

### Highest channel

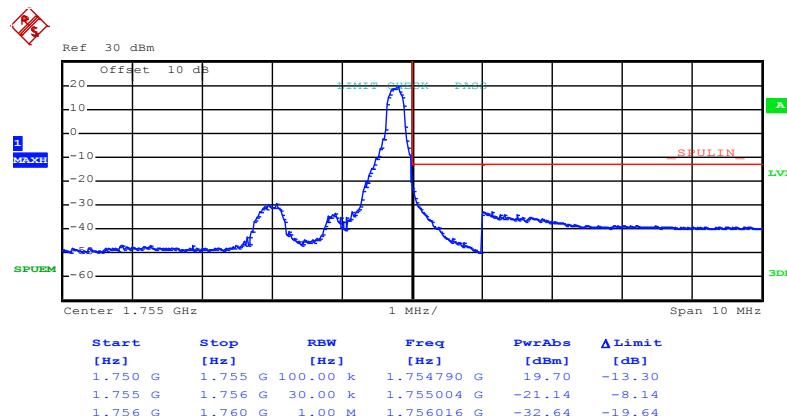
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 5)



Date: 23.NOV.2015 15:28:33

### Lowest channel

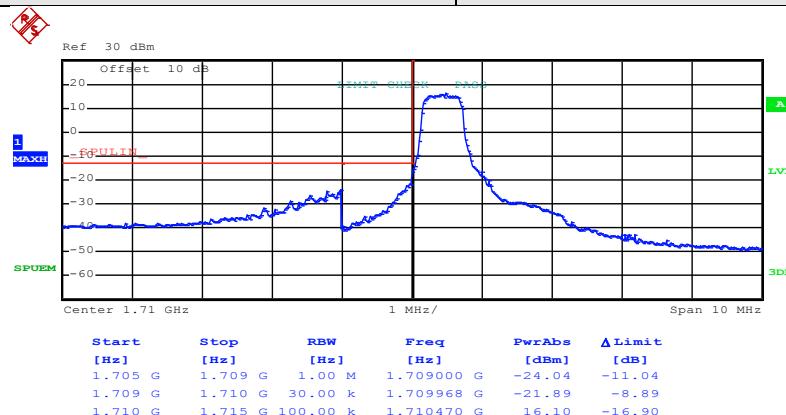


Date: 23.NOV.2015 15:30:22

### Highest channel

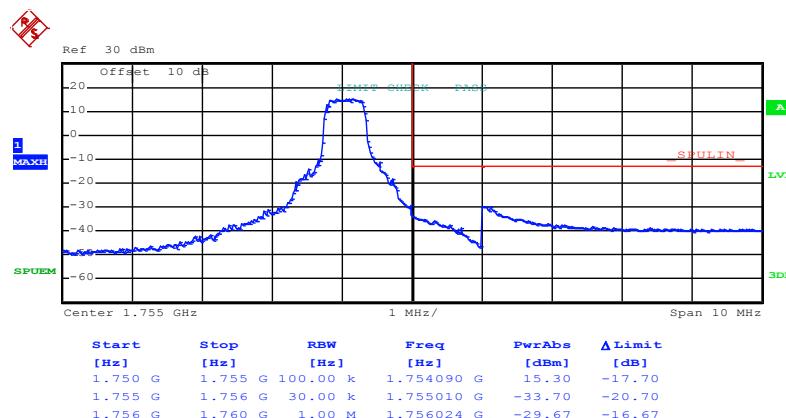
Test Mode:

LTE band 4(16QAM RB Size 3 & RB Offset 0)



Date: 23.NOV.2015 15:29:05

### Lowest channel

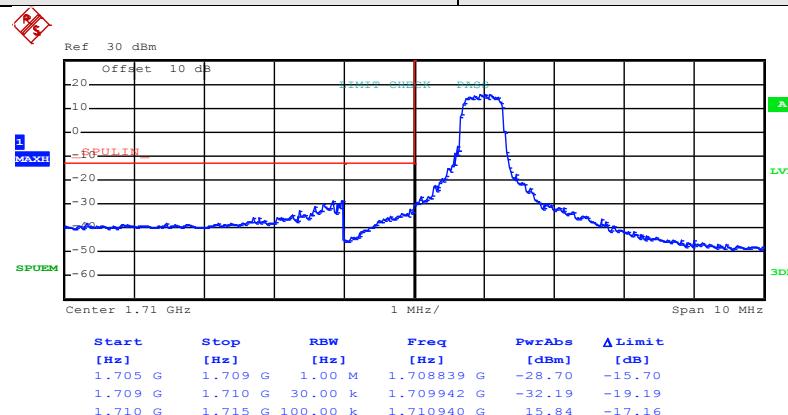


Date: 23.NOV.2015 15:30:38

### Highest channel

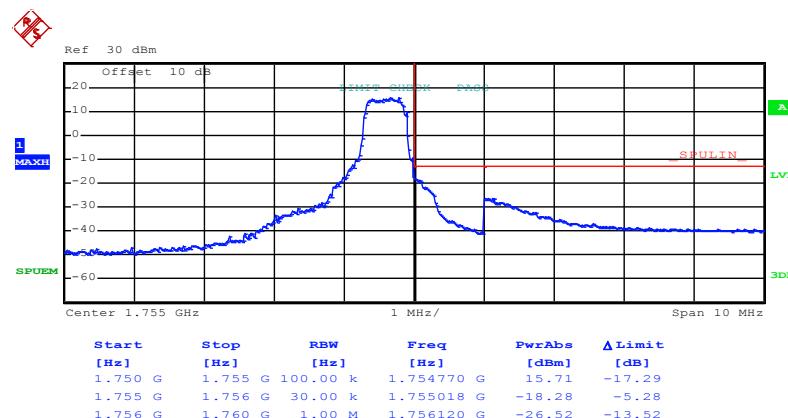
Test Mode:

LTE band 4(16QAM RB Size 3 & RB Offset 2)



Date: 23.NOV.2015 15:29:24

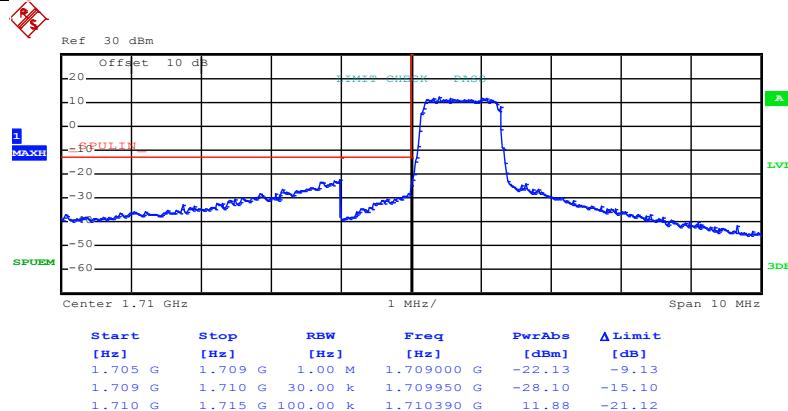
### Lowest channel



Date: 23.NOV.2015 15:30:54

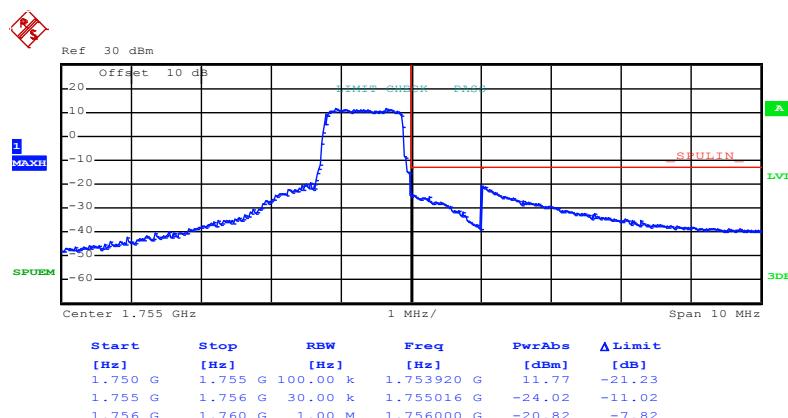
### Highest channel

Test Mode:	LTE band 4(16QAM RB Size 6 & RB Offset 0)
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Date: 23.NOV.2015 15:29:39

### Lowest channel

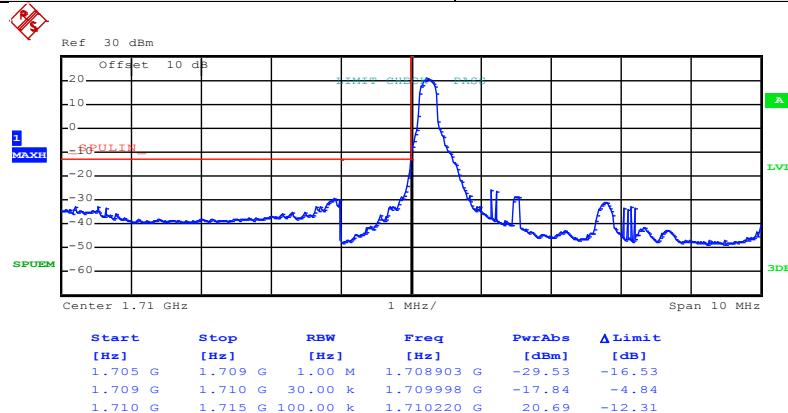


Date: 23.NOV.2015 15:31:08

### Highest channel

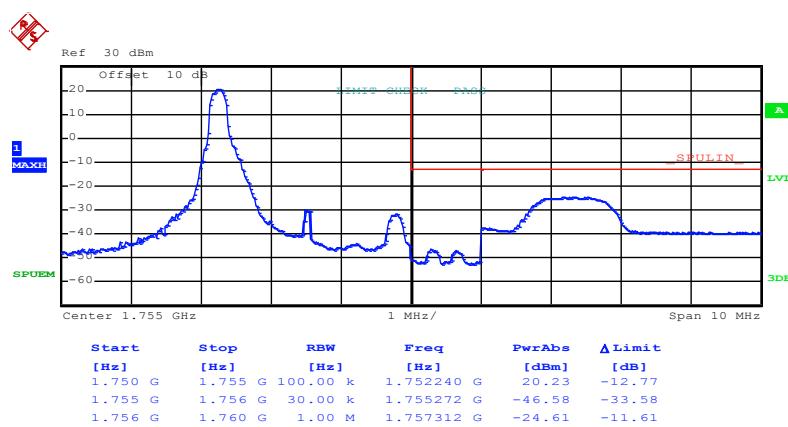
3MHz:

Test Mode:	LTE band 4(QPSK RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 15:31:40

Lowest channel

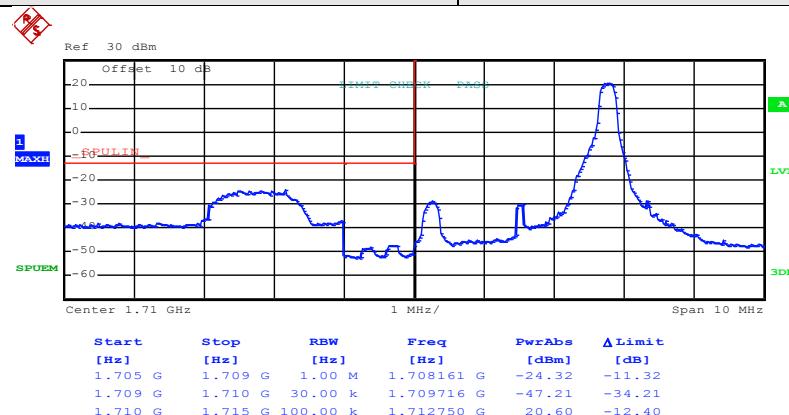


Date: 23.NOV.2015 15:33:19

Highest channel

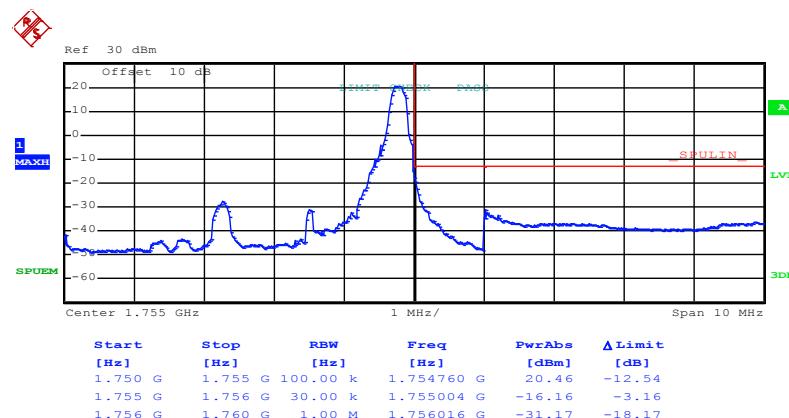
Test Mode:

LTE band 4(QPSK RB Size 1 & RB Offset 14)



Date: 23.NOV.2015 15:31:56

### Lowest channel

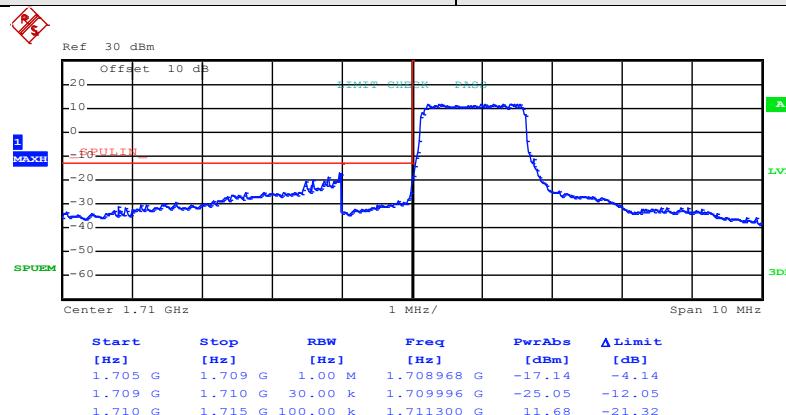


Date: 23.NOV.2015 15:33:34

### Highest channel

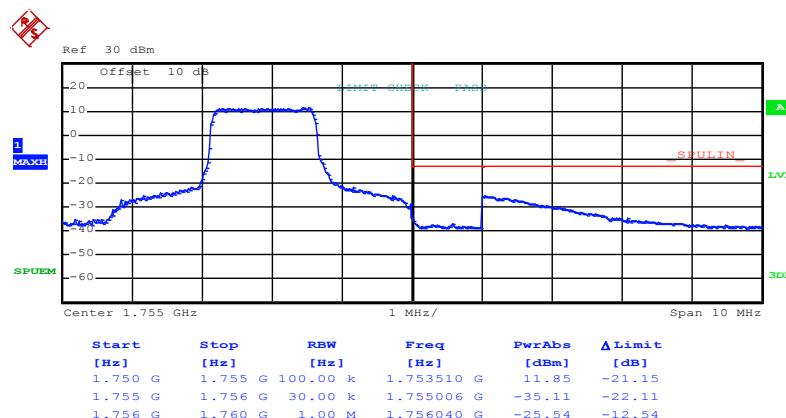
Test Mode:

LTE band 4(QPSK RB Size 8 & RB Offset 0)



Date: 23.NOV.2015 15:32:13

### Lowest channel

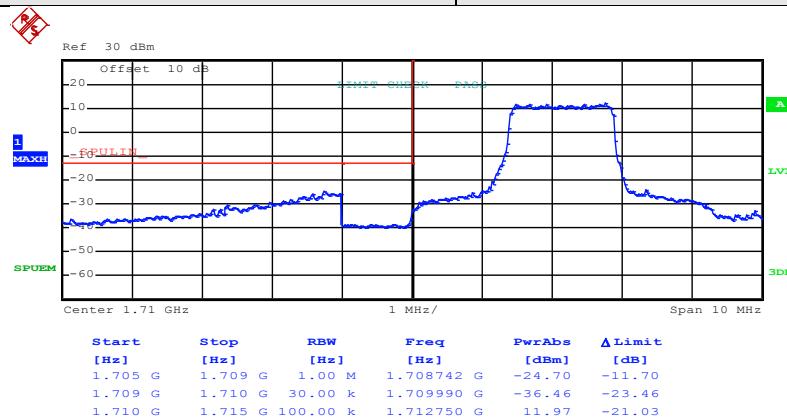


Date: 23.NOV.2015 15:33:51

### Highest channel

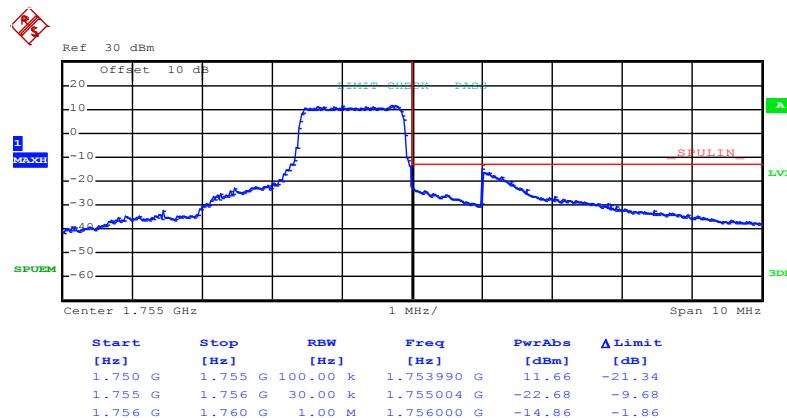
Test Mode:

LTE band 4(QPSK RB Size 8 & RB Offset 7)



Date: 23.NOV.2015 15:32:32

### Lowest channel

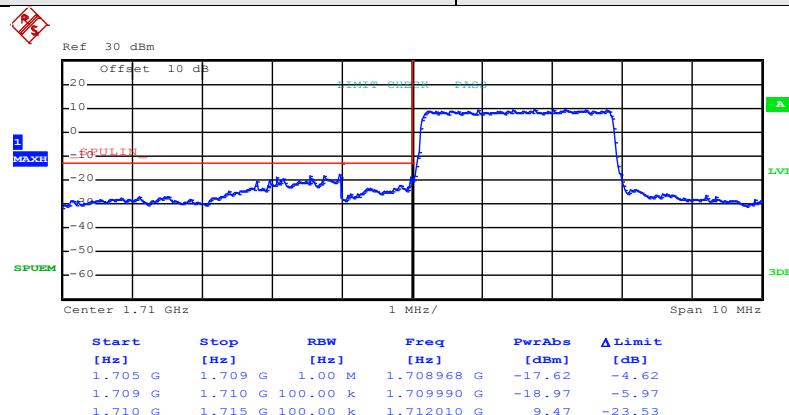


Date: 23.NOV.2015 15:34:08

### Highest channel

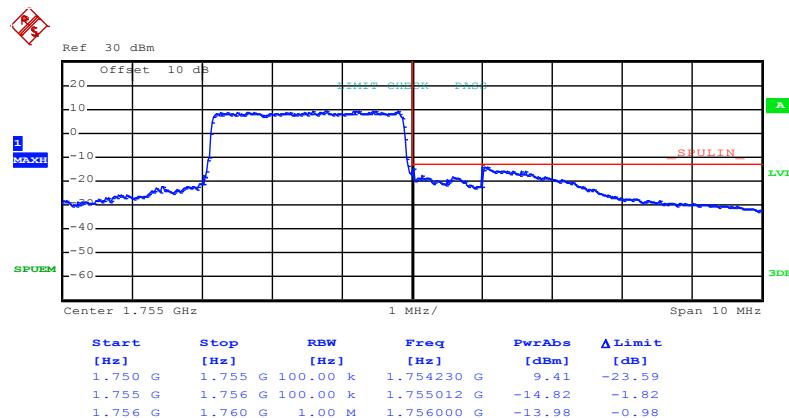
Test Mode:

LTE band 4(QPSK RB Size 15 & RB Offset 0)



Date: 23.NOV.2015 15:32:53

### Lowest channel

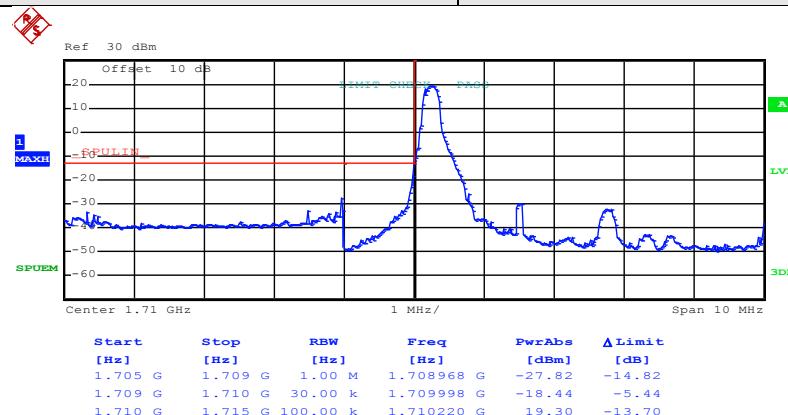


Date: 23.NOV.2015 15:34:28

### Highest channel

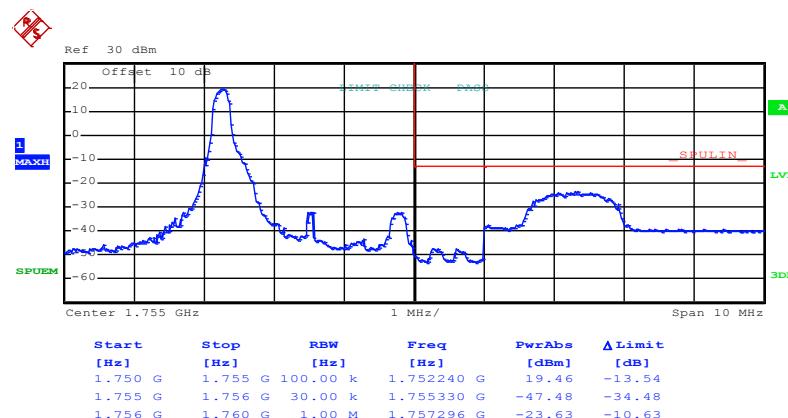
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 0)



Date: 23.NOV.2015 15:31:46

### Lowest channel

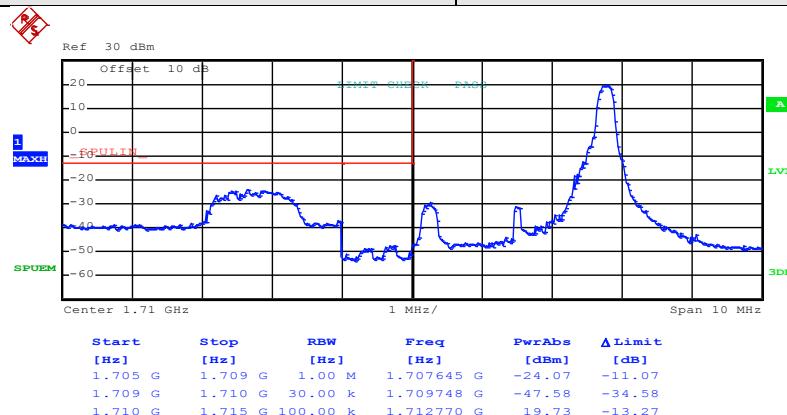


Date: 23.NOV.2015 15:33:26

### Highest channel

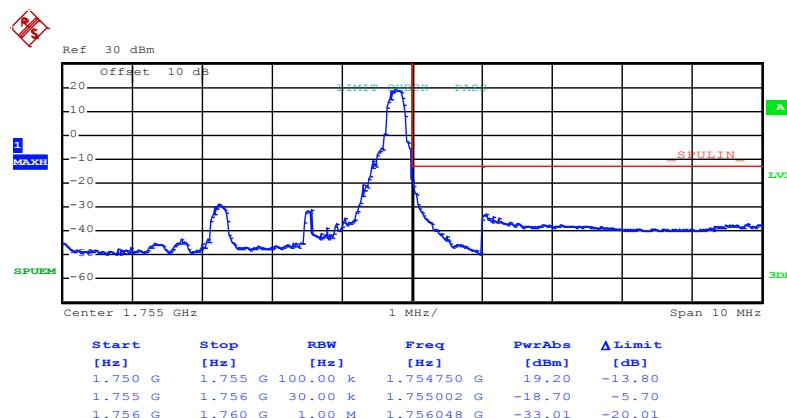
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 14)



Date: 23.NOV.2015 15:32:03

### Lowest channel

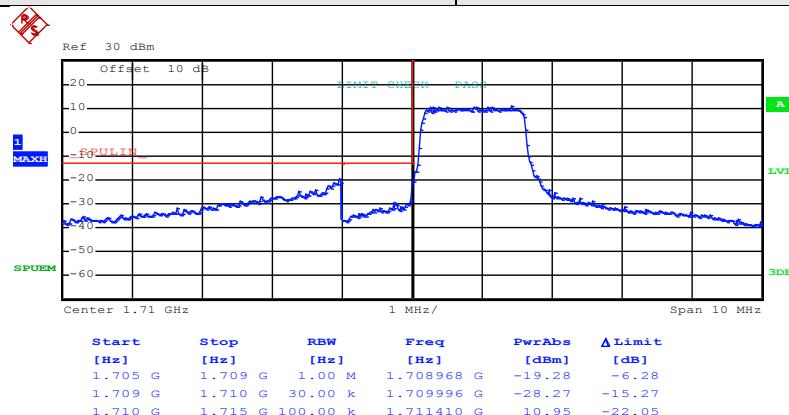


Date: 23.NOV.2015 15:33:42

### Highest channel

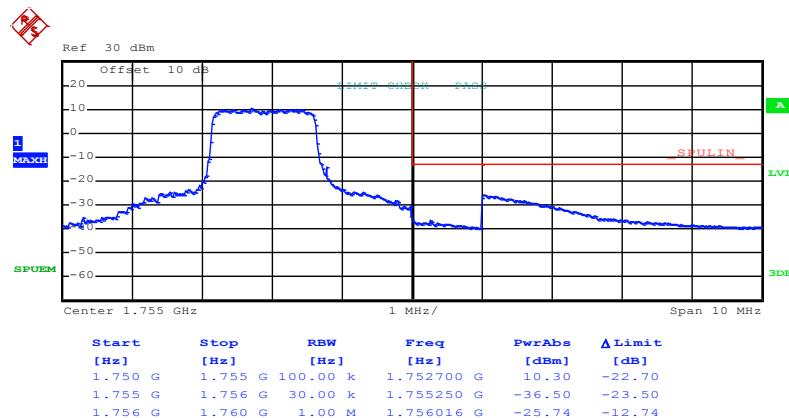
Test Mode:

LTE band 4(16QAM RB Size 8 & RB Offset 0)



Date: 23.NOV.2015 15:32:20

### Lowest channel

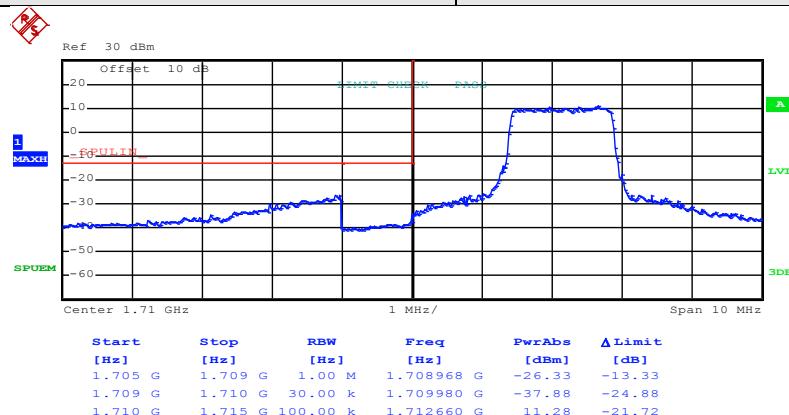


Date: 23.NOV.2015 15:33:57

### Highest channel

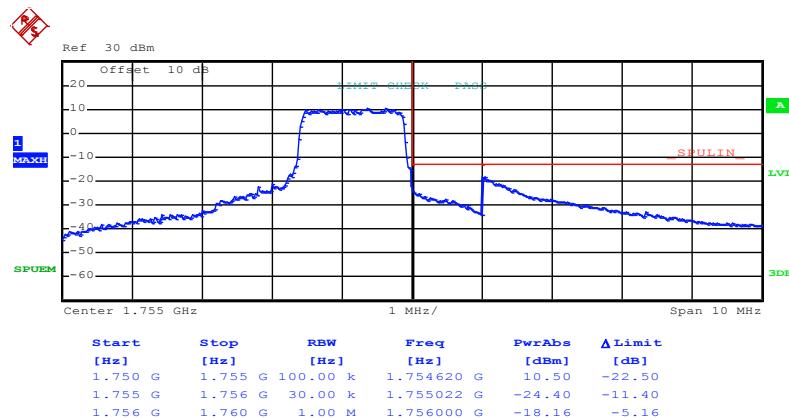
Test Mode:

LTE band 4(16QAM RB Size 8 & RB Offset 7)



Date: 23.NOV.2015 15:32:39

### Lowest channel

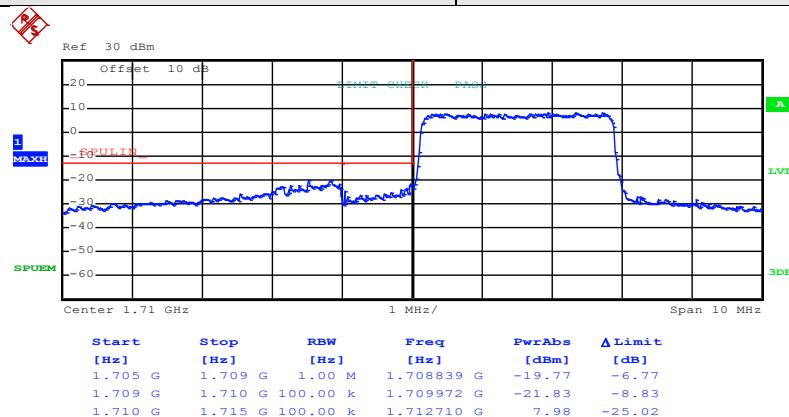


Date: 23.NOV.2015 15:34:15

### Highest channel

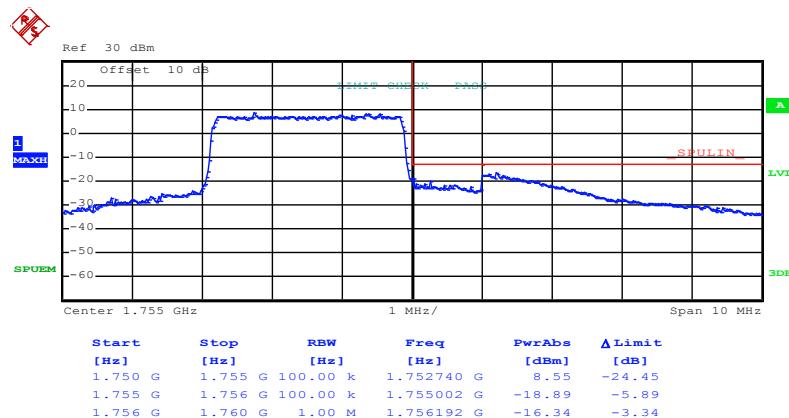
Test Mode:

LTE band 4(16QAM RB Size 15 & RB Offset 0)



Date: 23.NOV.2015 15:32:59

### Lowest channel

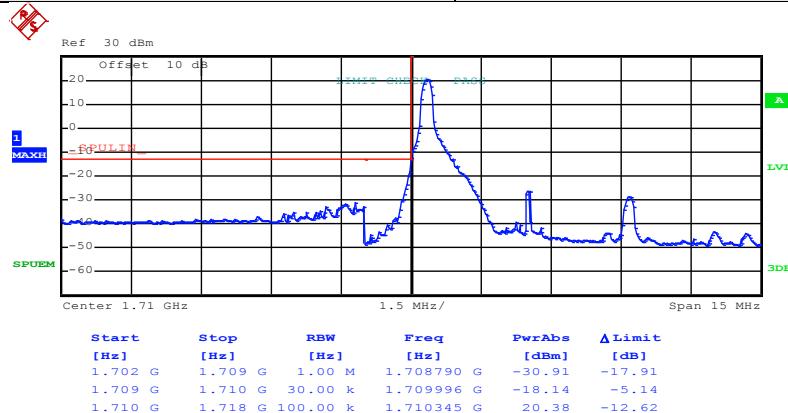


Date: 23.NOV.2015 15:34:34

### Highest channel

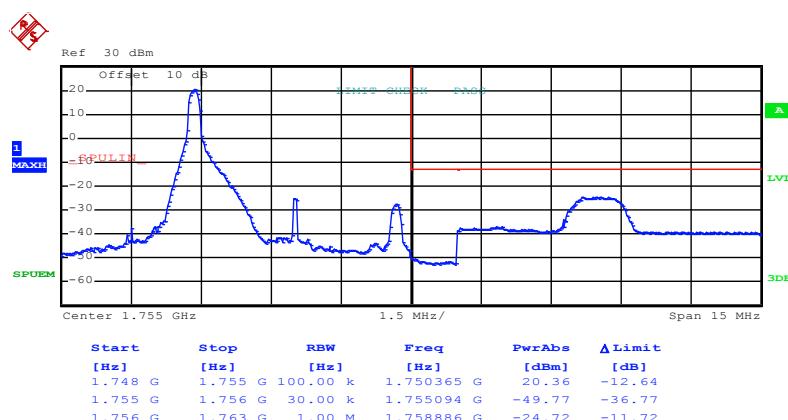
5MHz:

Test Mode:	LTE band 4(QPSK RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 15:35:38

Lowest channel

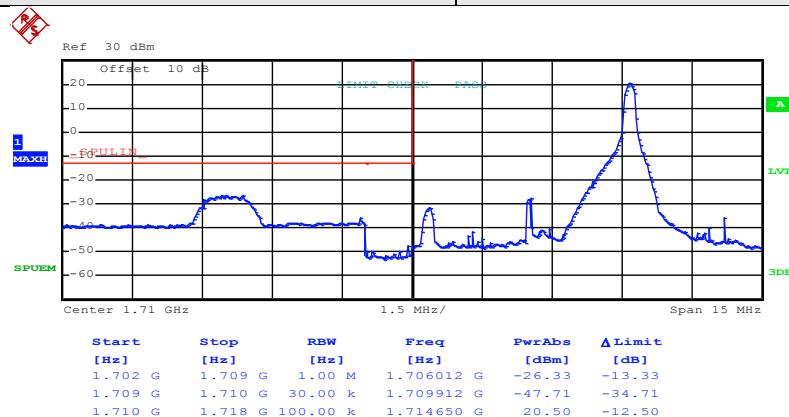


Date: 23.NOV.2015 15:37:24

Highest channel

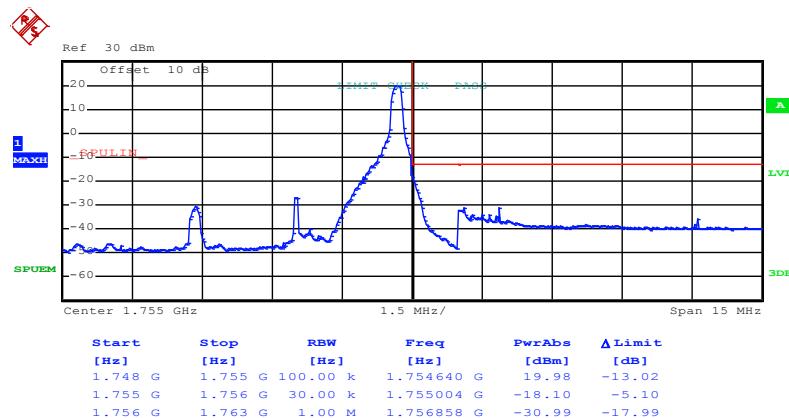
Test Mode:

LTE band 4(QPSK RB Size 1 & RB Offset 24)



Date: 23.NOV.2015 15:35:54

### Lowest channel

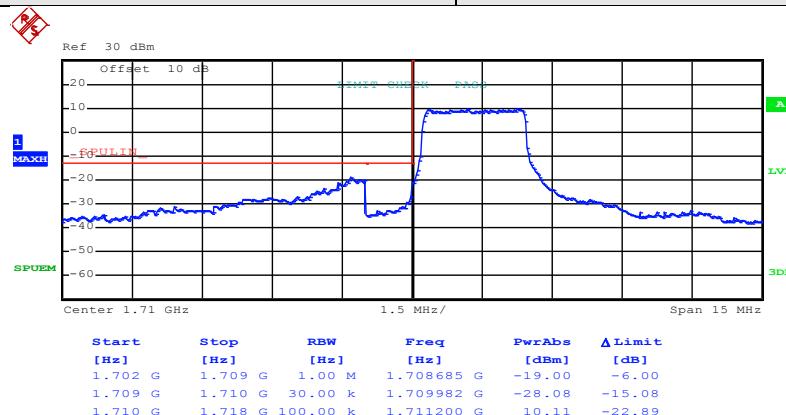


Date: 23.NOV.2015 15:37:39

### Highest channel

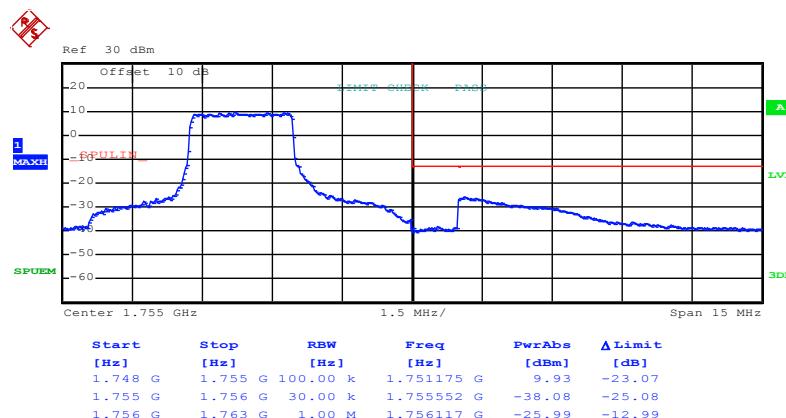
Test Mode:

LTE band 4(QPSK RB Size 12 & RB Offset 0)



Date: 23.NOV.2015 15:36:11

### Lowest channel

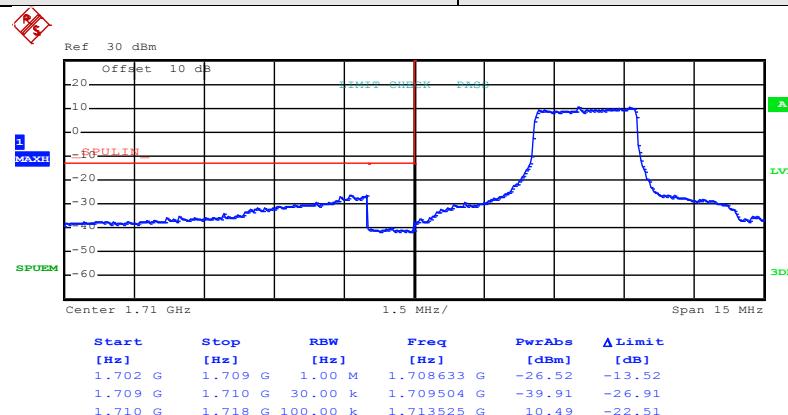


Date: 23.NOV.2015 15:37:55

### Highest channel

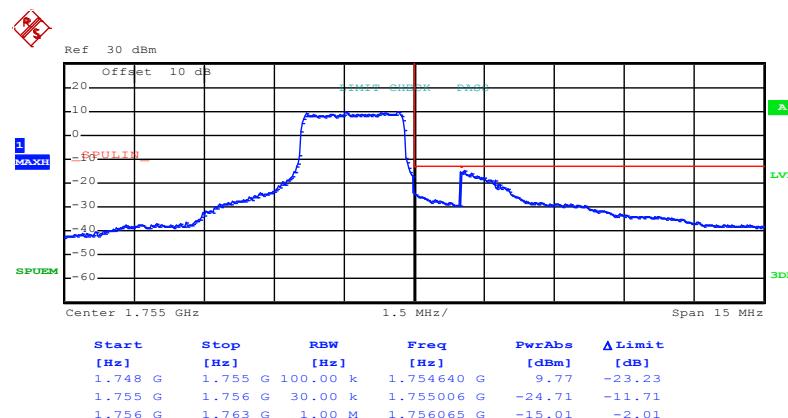
Test Mode:

LTE band 4(QPSK RB Size 12 & RB Offset 11)



Date: 23.NOV.2015 15:36:38

### Lowest channel

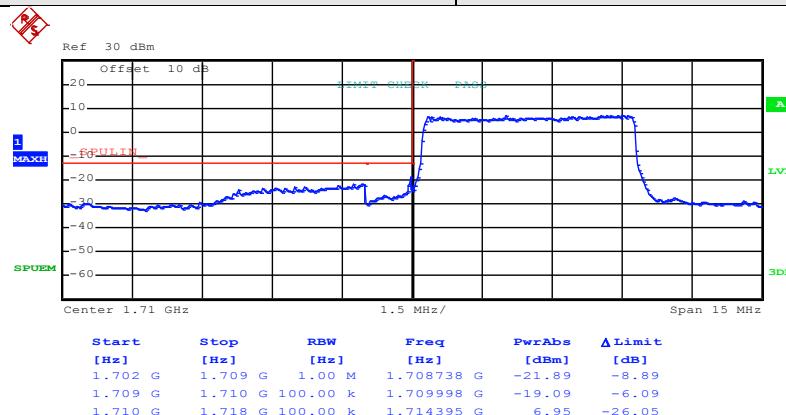


Date: 23.NOV.2015 15:38:11

### Highest channel

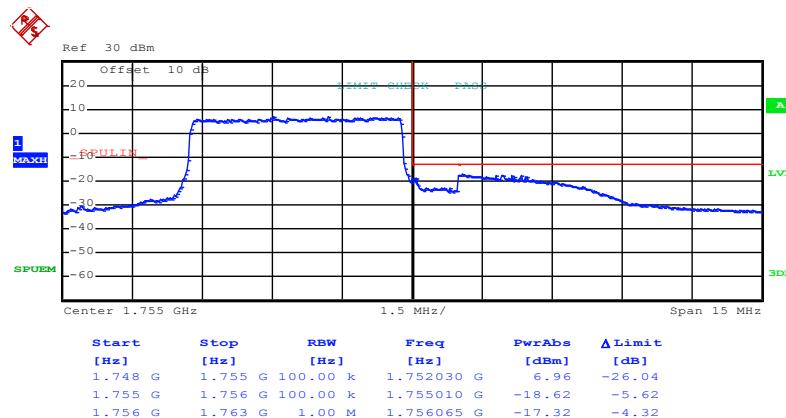
Test Mode:

LTE band 4(QPSK RB Size 25 & RB Offset 0)



Date: 23.NOV.2015 15:36:57

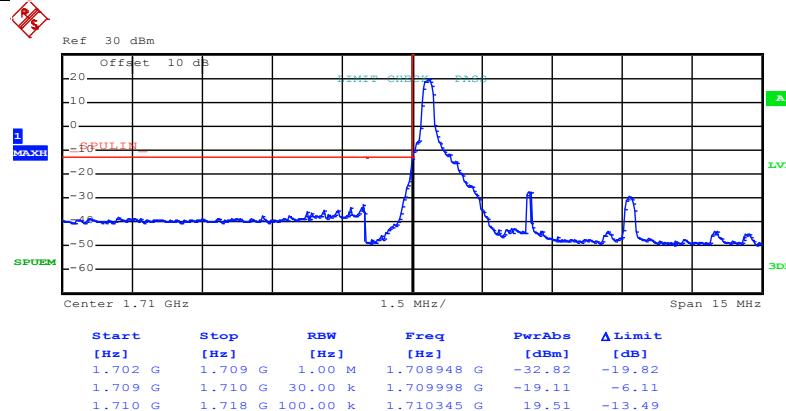
### Lowest channel



Date: 23.NOV.2015 15:38:34

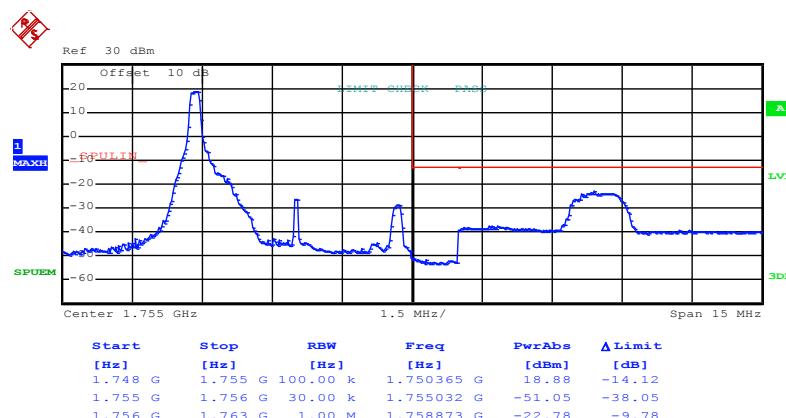
### Highest channel

Test Mode:	LTE band 4(16QAM RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 15:35:44

### Lowest channel

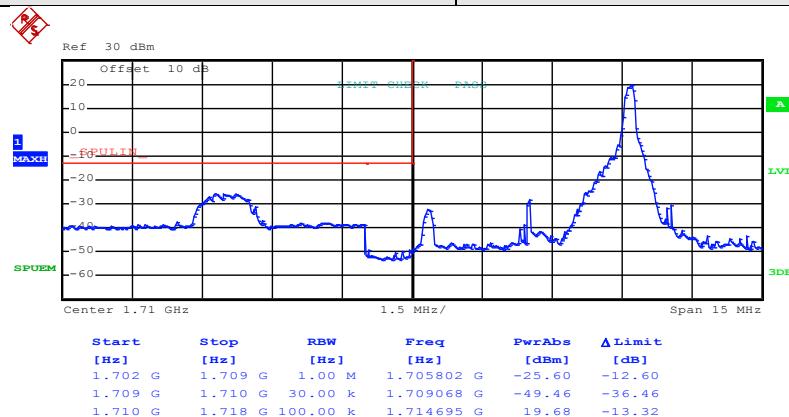


Date: 23.NOV.2015 15:37:31

### Highest channel

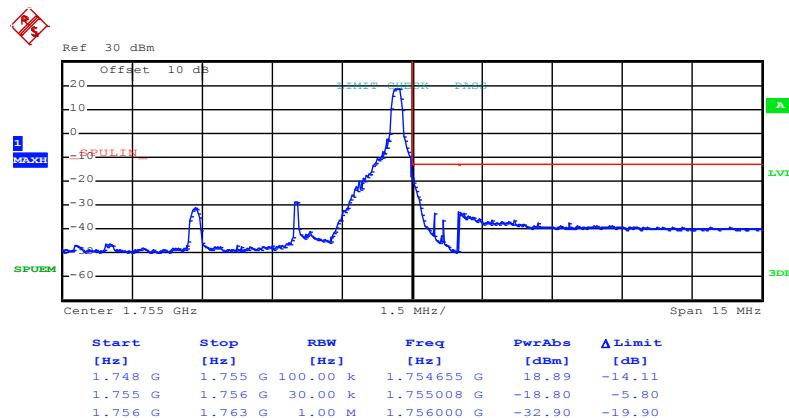
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 24)



Date: 23.NOV.2015 15:36:01

### Lowest channel

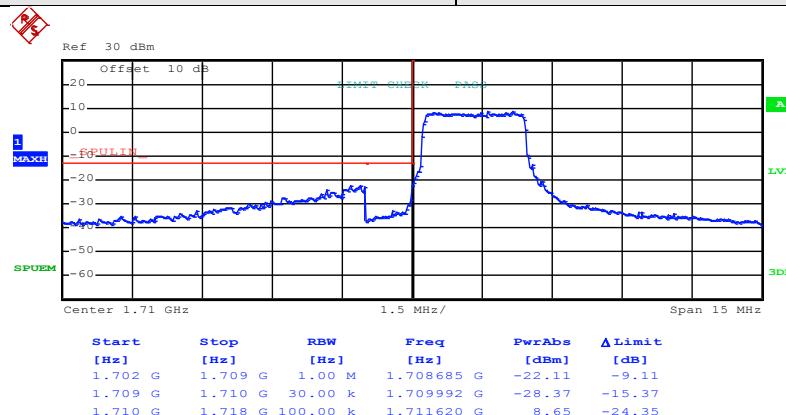


Date: 23.NOV.2015 15:37:46

### Highest channel

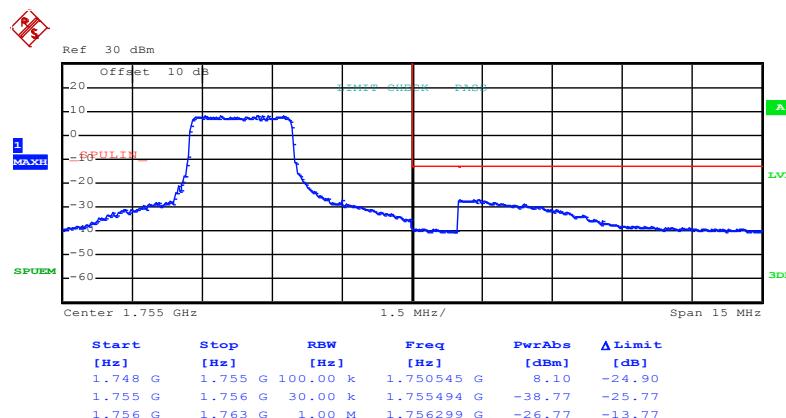
Test Mode:

LTE band 4(16QAM RB Size 12 & RB Offset 0)



Date: 23.NOV.2015 15:36:18

### Lowest channel

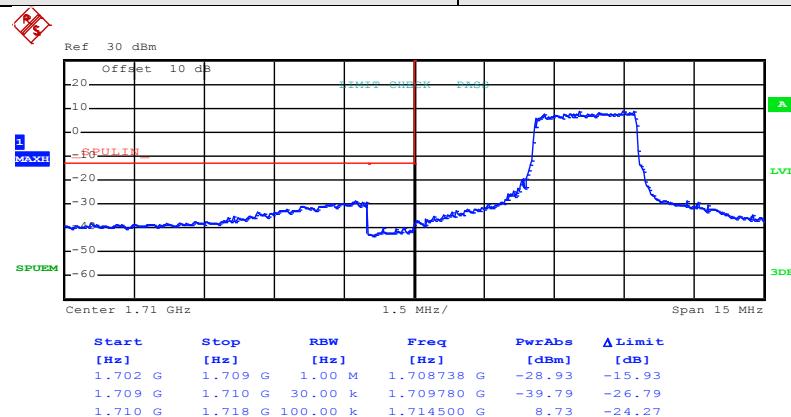


Date: 23.NOV.2015 15:38:02

### Highest channel

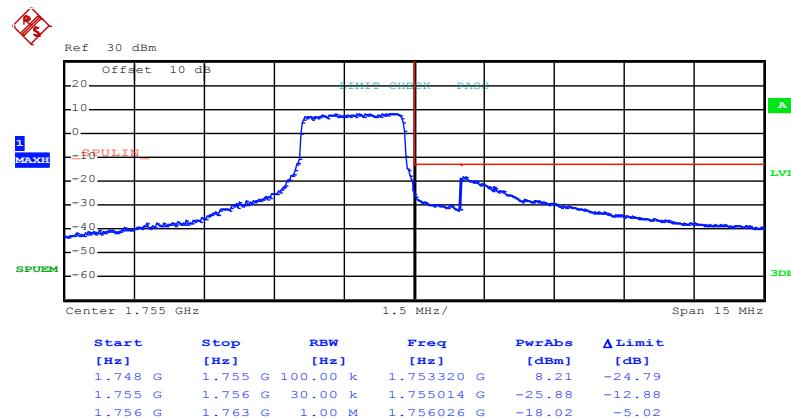
Test Mode:

LTE band 4(16QAM RB Size 12 & RB Offset 11)



Date: 23.NOV.2015 15:36:45

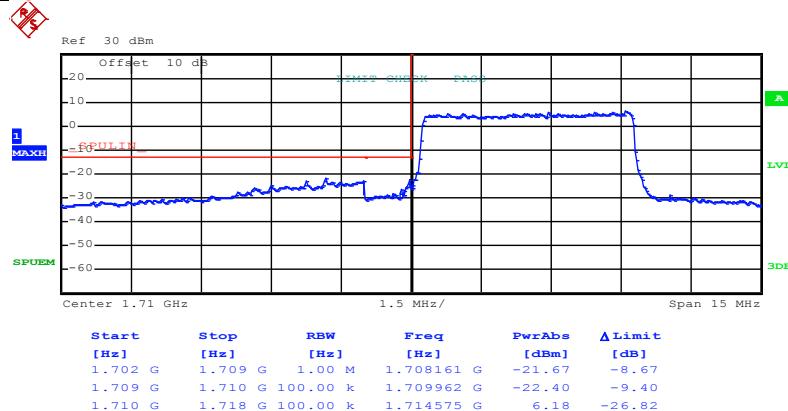
### Lowest channel



Date: 23.NOV.2015 15:38:19

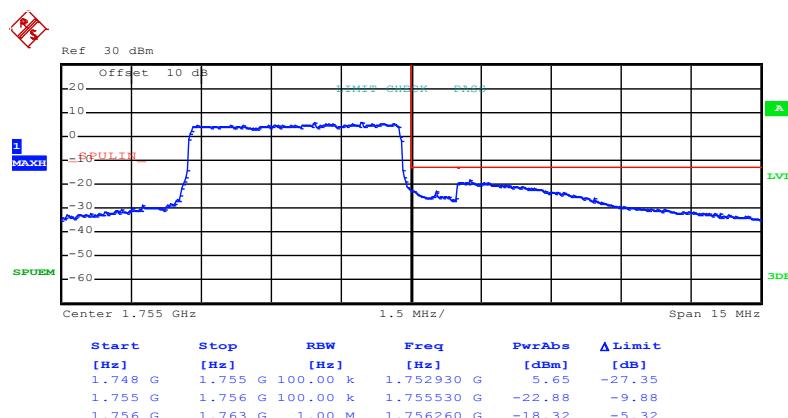
### Highest channel

Test Mode:	LTE band 4(16QAM RB Size 25 & RB Offset 0)
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Date: 23.NOV.2015 15:37:03

### Lowest channel

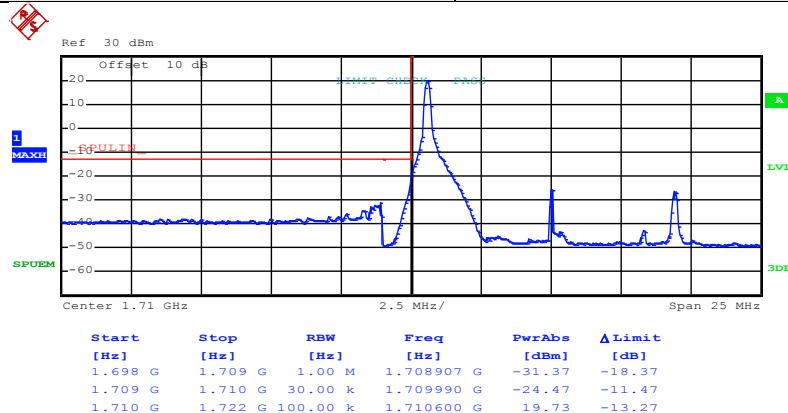


Date: 23.NOV.2015 15:38:39

### Highest channel

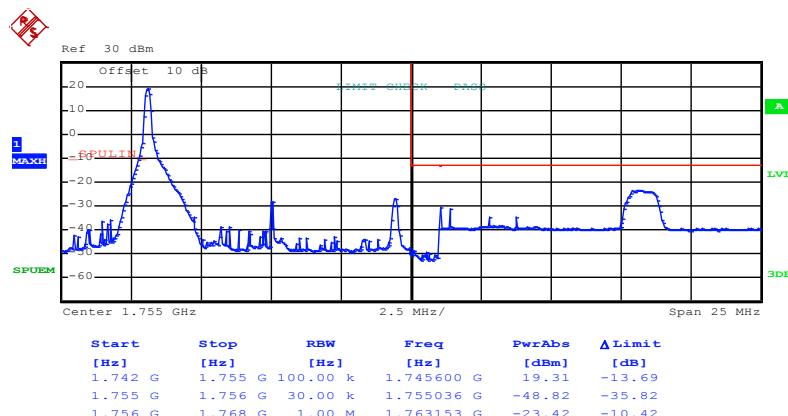
**10MHz:**

Test Mode:	LTE band 4(QPSK RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 15:39:22

**Lowest channel**

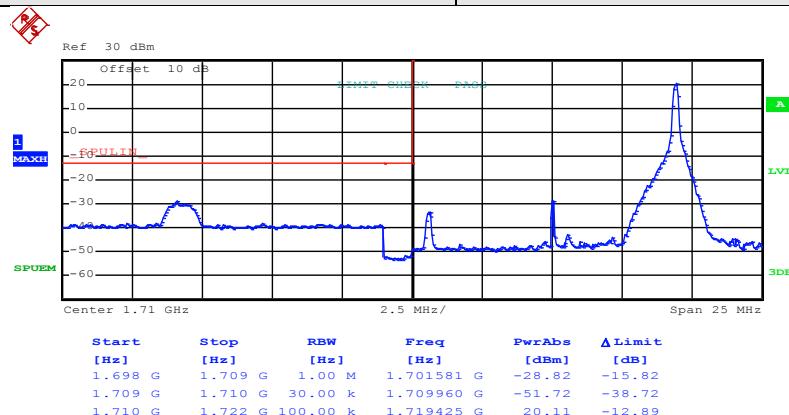


Date: 23.NOV.2015 15:42:42

**Highest channel**

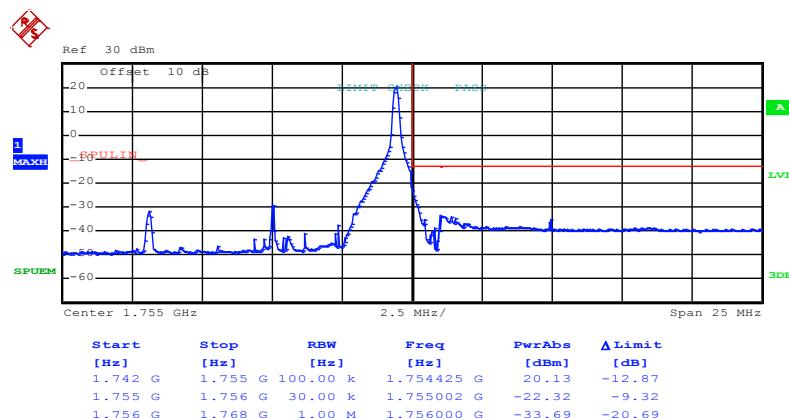
Test Mode:

LTE band 4(QPSK RB Size 1 & RB Offset 49)



Date: 23.NOV.2015 15:39:51

### Lowest channel

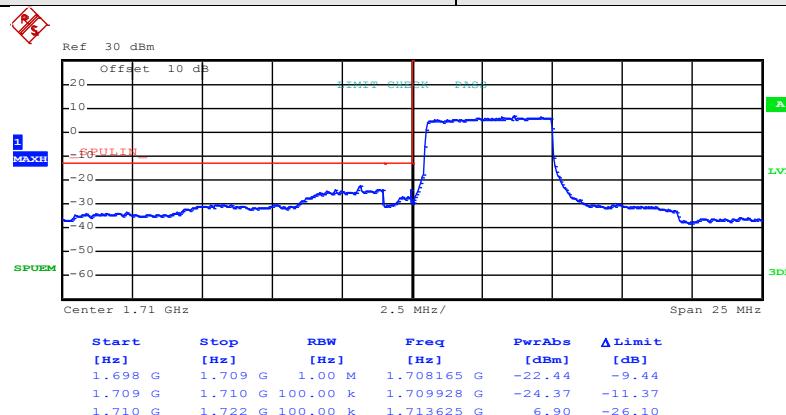


Date: 23.NOV.2015 15:43:01

### Highest channel

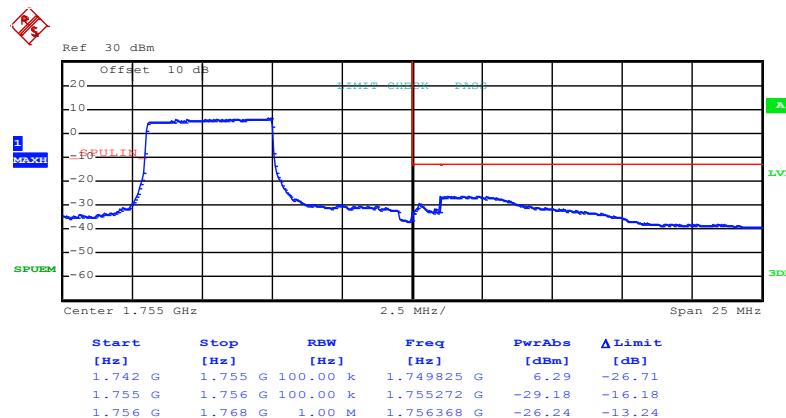
Test Mode:

LTE band 4(QPSK RB Size 25 & RB Offset 0)



Date: 23.NOV.2015 15:40:34

### Lowest channel

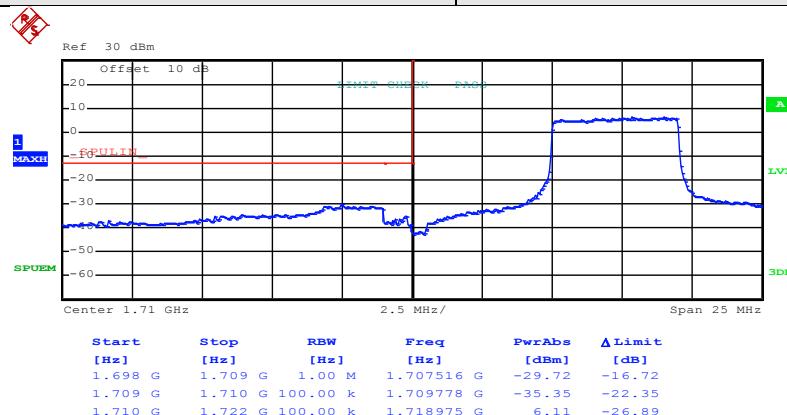


Date: 23.NOV.2015 15:43:26

### Highest channel

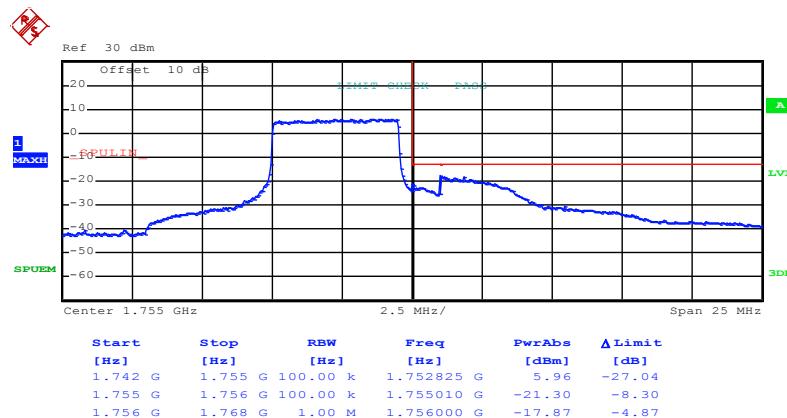
Test Mode:

LTE band 4(QPSK RB Size 25 & RB Offset 24)



Date: 23.NOV.2015 15:41:51

### Lowest channel

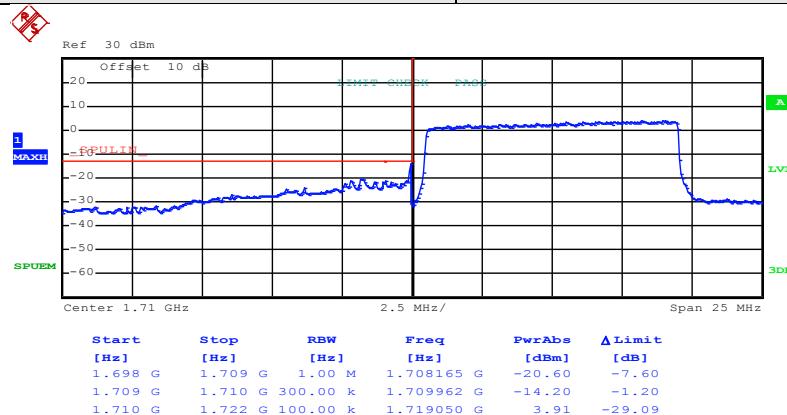


Date: 23.NOV.2015 15:43:42

### Highest channel

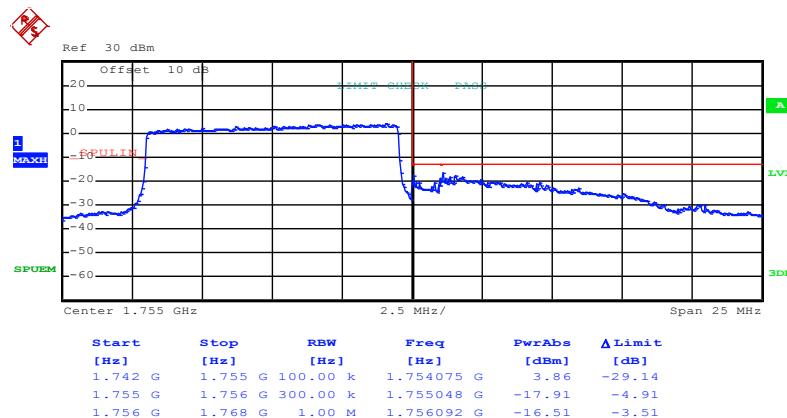
Test Mode:

LTE band 4(QPSK RB Size 50 & RB Offset 0)



Date: 23.NOV.2015 15:42:13

### Lowest channel

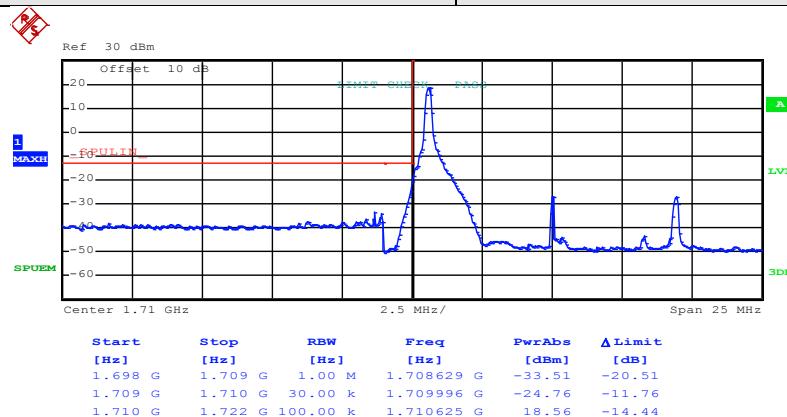


Date: 23.NOV.2015 15:44:29

### Highest channel

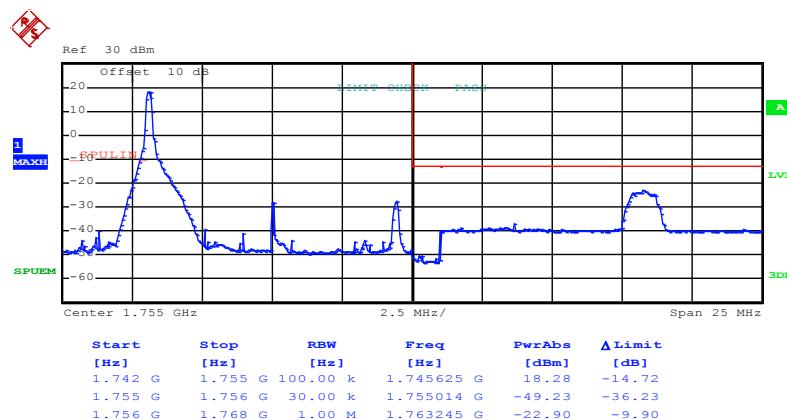
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 0)



Date: 23.NOV.2015 15:39:41

### Lowest channel

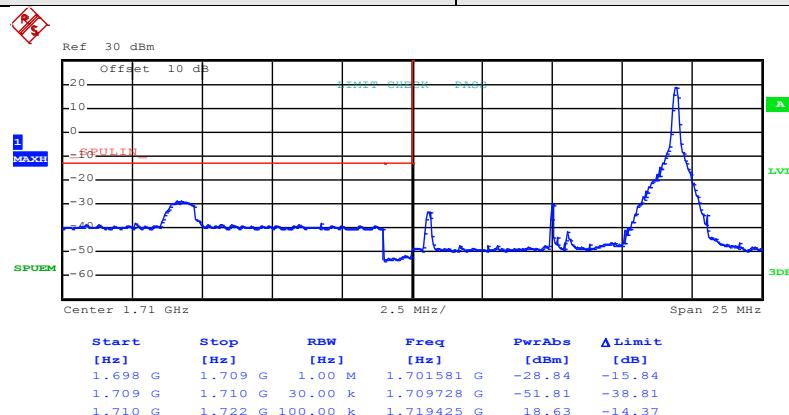


Date: 23.NOV.2015 15:42:48

### Highest channel

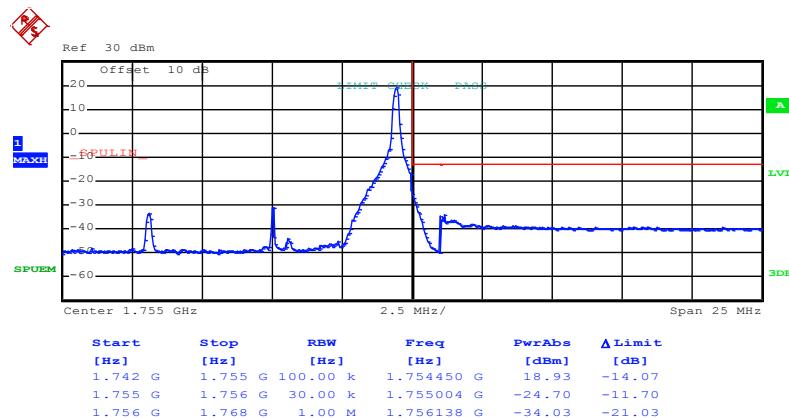
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 49)



Date: 23.NOV.2015 15:40:04

### Lowest channel

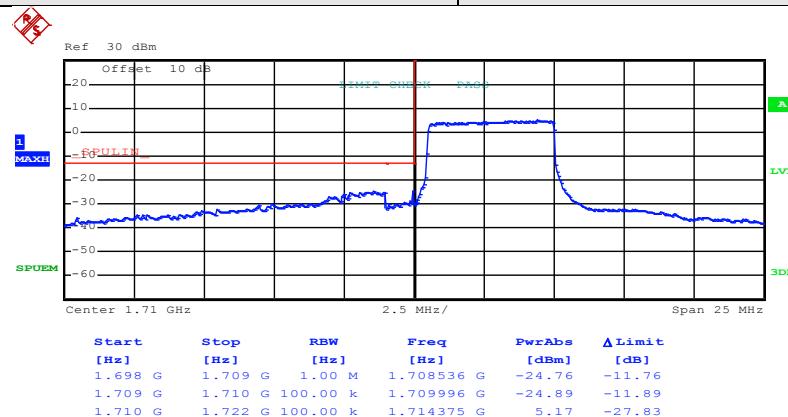


Date: 23.NOV.2015 15:43:08

### Highest channel

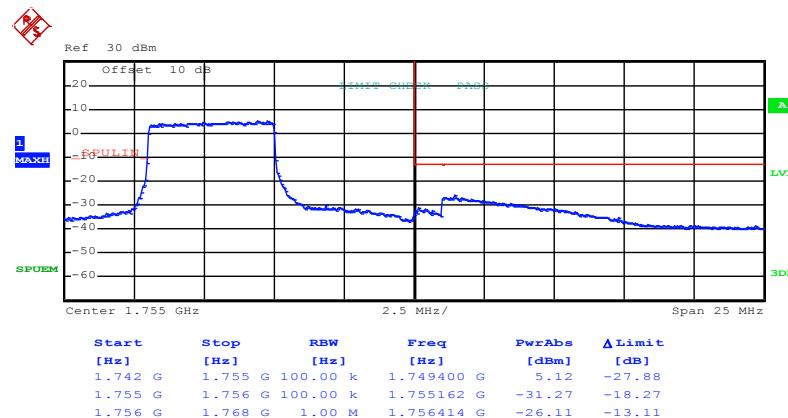
Test Mode:

LTE band 4(16QAM RB Size 25 & RB Offset 0)



Date: 23.NOV.2015 15:41:42

### Lowest channel

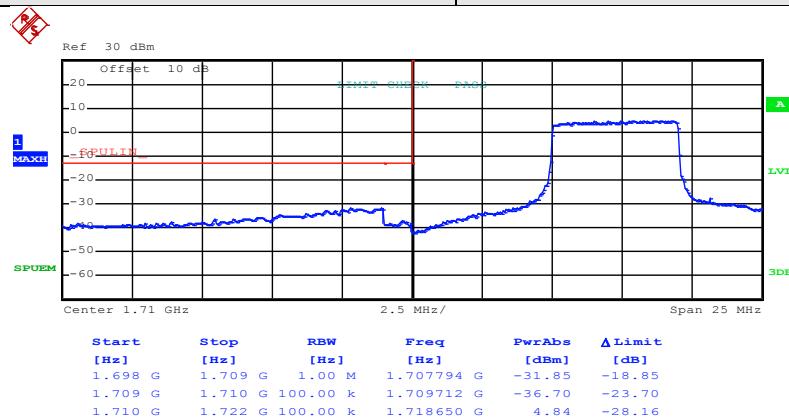


Date: 23.NOV.2015 15:43:34

### Highest channel

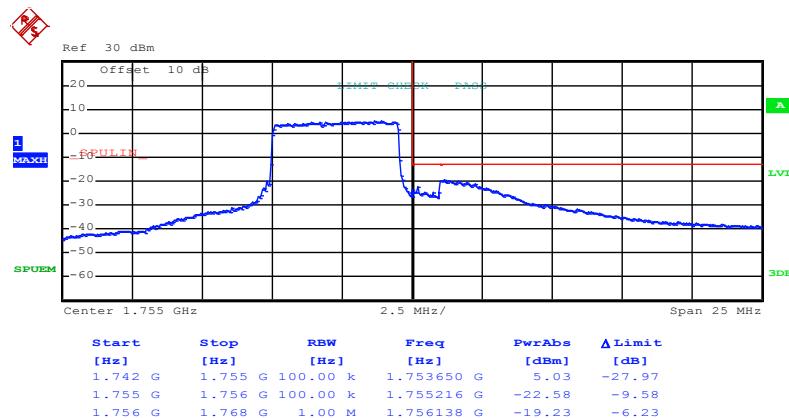
Test Mode:

LTE band 4(16QAM RB Size 25 & RB Offset 24)



Date: 23.NOV.2015 15:42:01

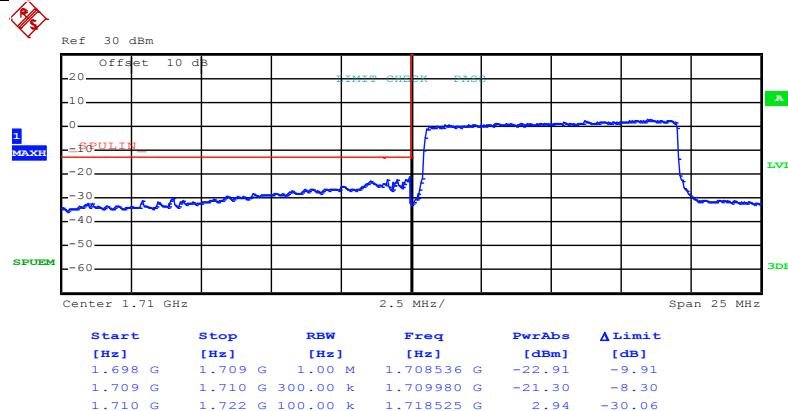
### Lowest channel



Date: 23.NOV.2015 15:43:51

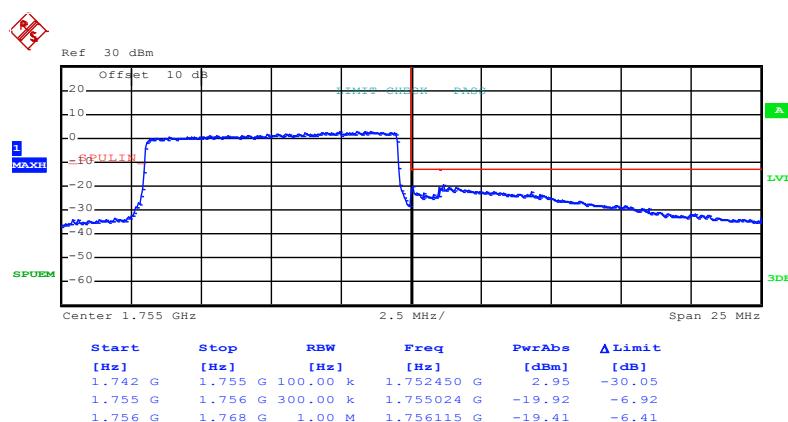
### Highest channel

Test Mode:	LTE band 4(16QAM RB Size 50 & RB Offset 0)
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Date: 23.NOV.2015 15:42:19

### Lowest channel

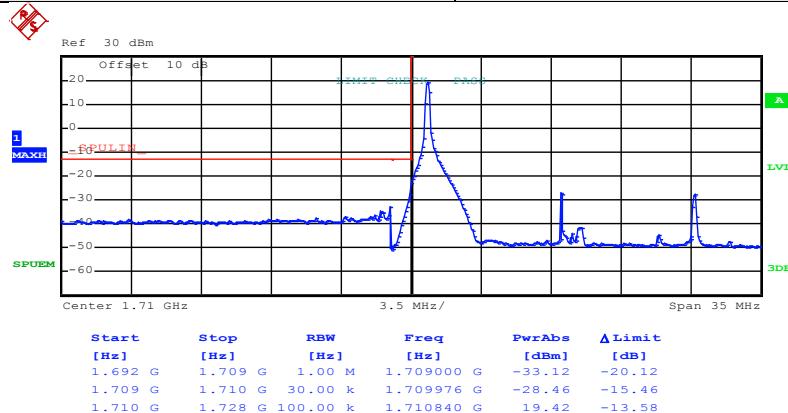


Date: 23.NOV.2015 15:44:39

### Highest channel

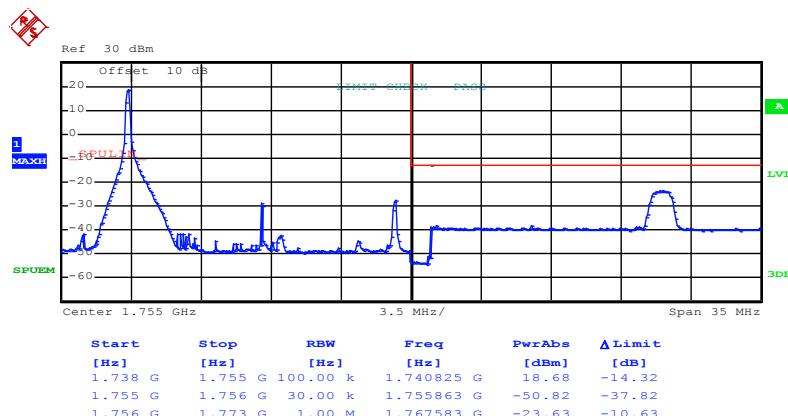
**15MHz:**

Test Mode:	LTE band 4(QPSK RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 15:45:24

**Lowest channel**

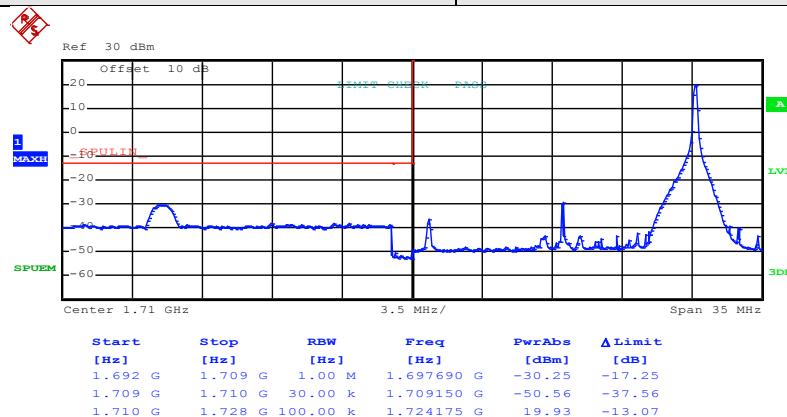


Date: 23.NOV.2015 15:47:38

**Highest channel**

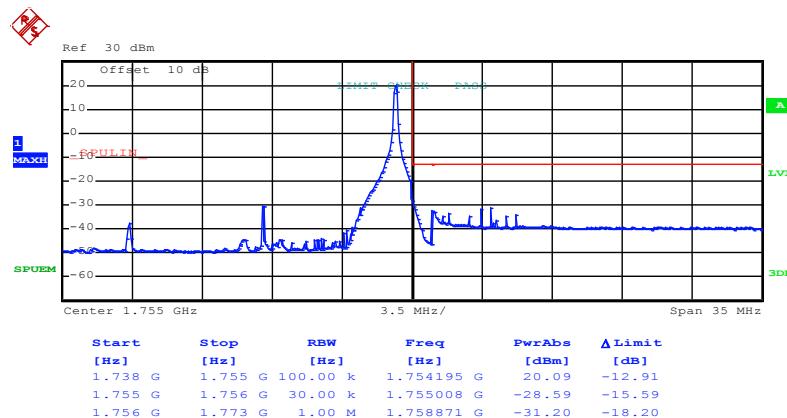
Test Mode:

LTE band 4(QPSK RB Size 1 & RB Offset 74)



Date: 23.NOV.2015 15:45:45

### Lowest channel

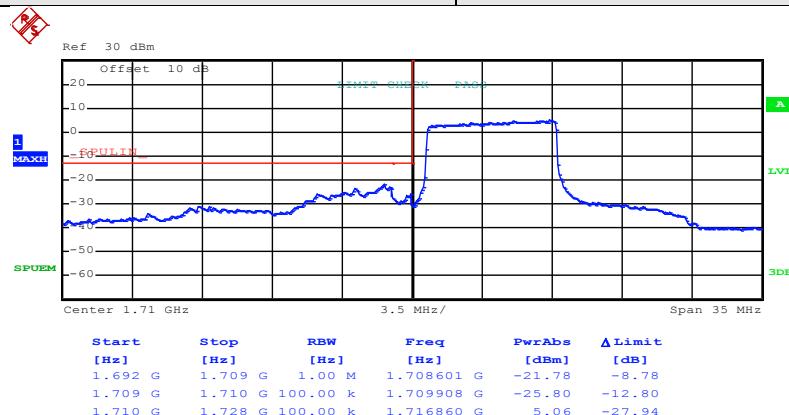


Date: 23.NOV.2015 15:48:50

### Highest channel

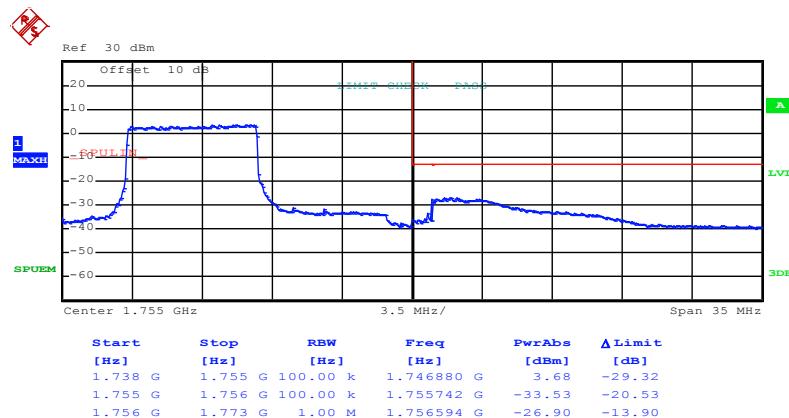
Test Mode:

LTE band 4(QPSK RB Size 36 & RB Offset 0)



Date: 23.NOV.2015 15:46:12

### Lowest channel

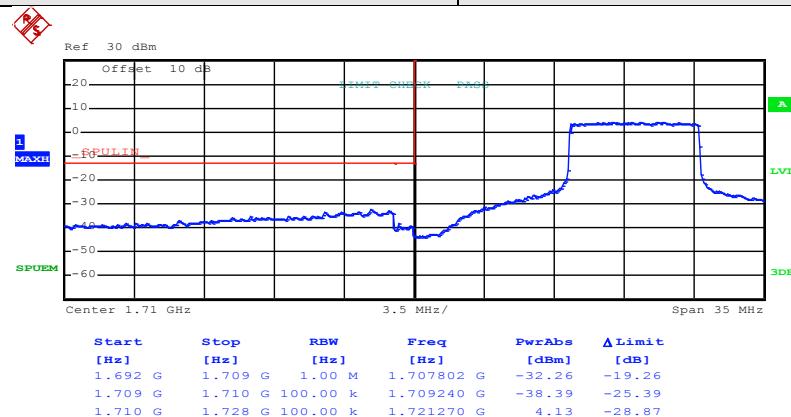


Date: 23.NOV.2015 15:49:21

### Highest channel

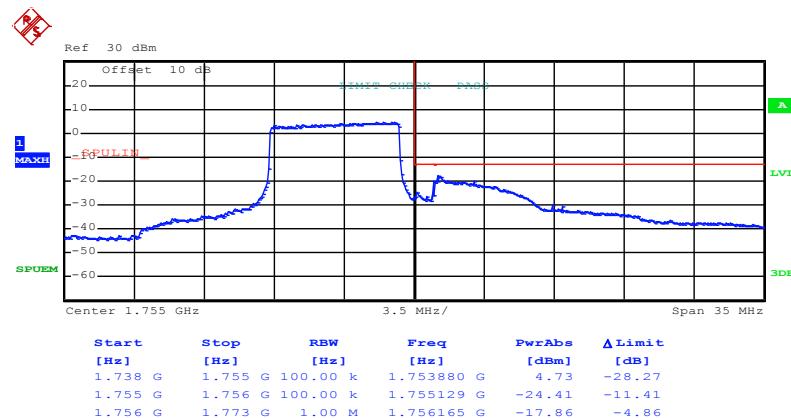
Test Mode:

LTE band 4(QPSK RB Size 36 & RB Offset 37)



Date: 23.NOV.2015 15:46:35

### Lowest channel

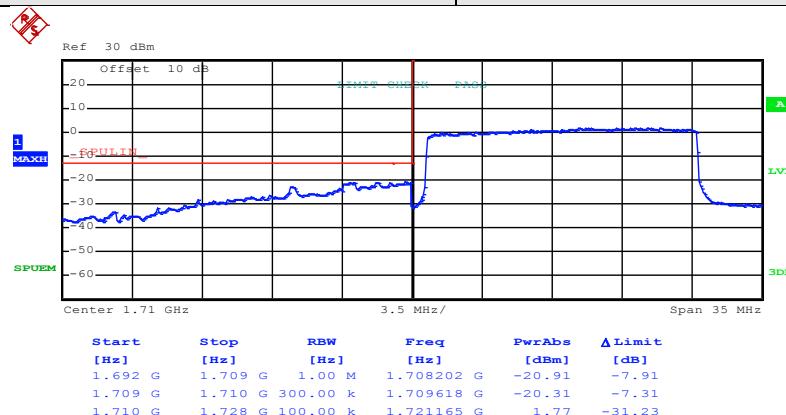


Date: 23.NOV.2015 15:49:42

### Highest channel

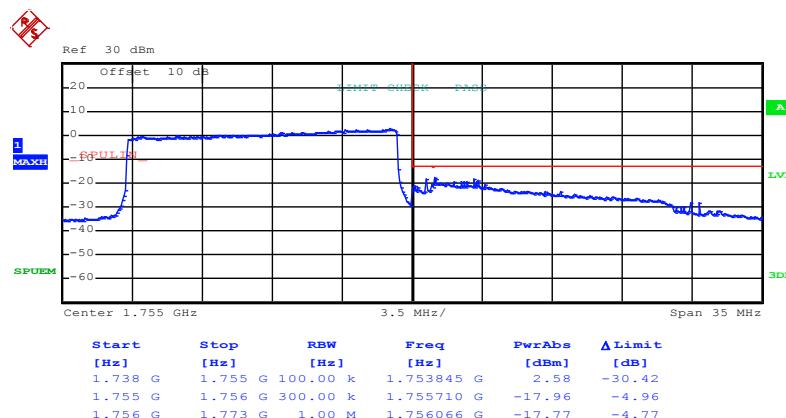
Test Mode:

LTE band 4(QPSK RB Size 75 & RB Offset 0)



Date: 23.NOV.2015 15:47:03

### Lowest channel

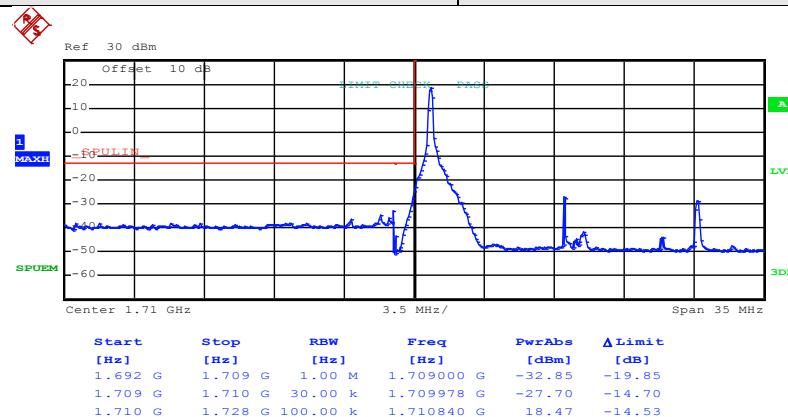


Date: 23.NOV.2015 15:50:10

### Highest channel

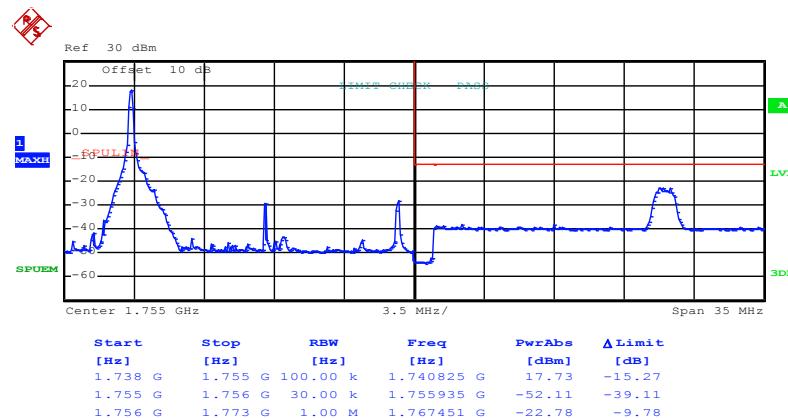
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 0)



Date: 23.NOV.2015 15:45:33

### Lowest channel

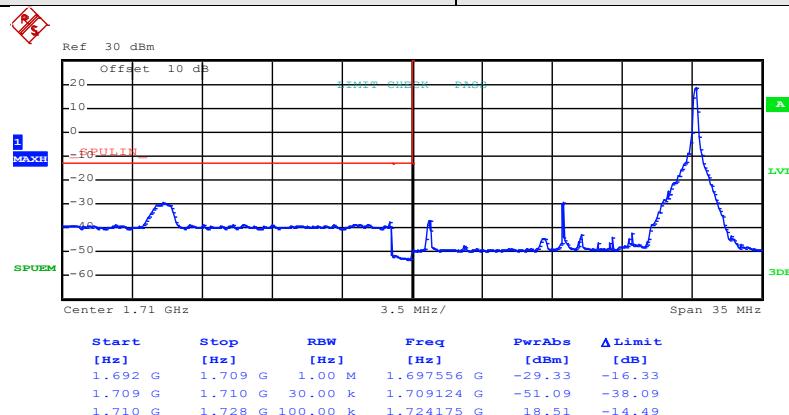


Date: 23.NOV.2015 15:47:48

### Highest channel

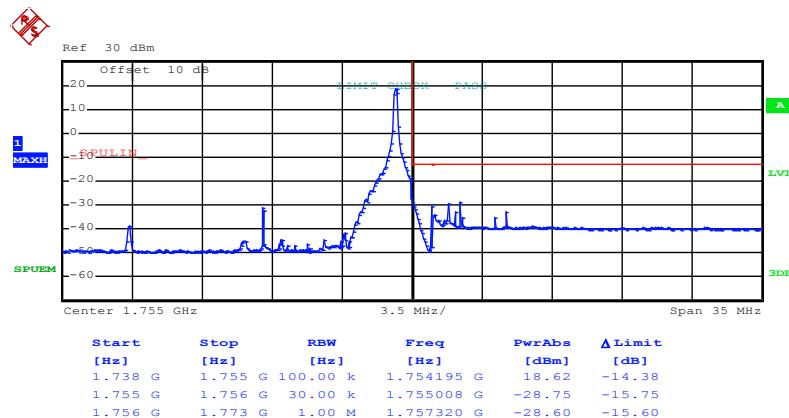
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 74)



Date: 23.NOV.2015 15:45:56

### Lowest channel

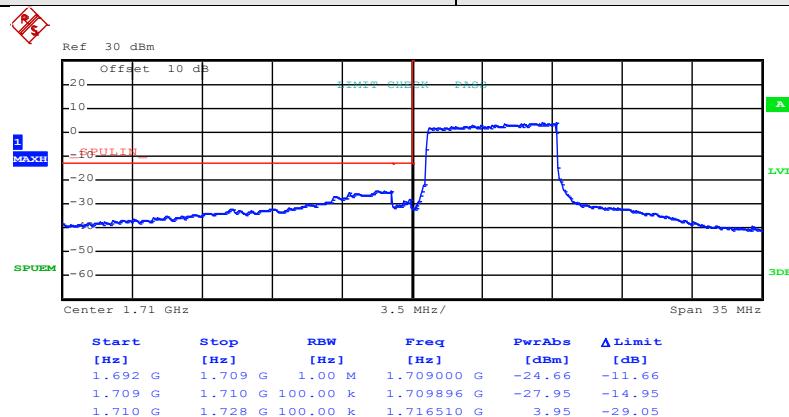


Date: 23.NOV.2015 15:49:00

### Highest channel

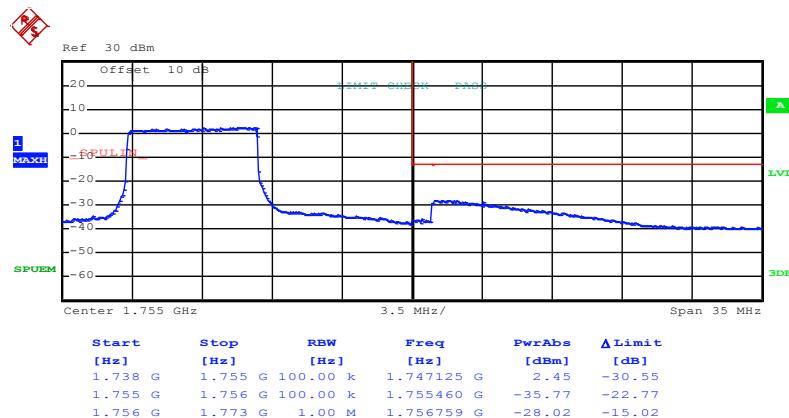
Test Mode:

LTE band 4(16QAM RB Size 36 & RB Offset 0)



Date: 23.NOV.2015 15:46:21

### Lowest channel

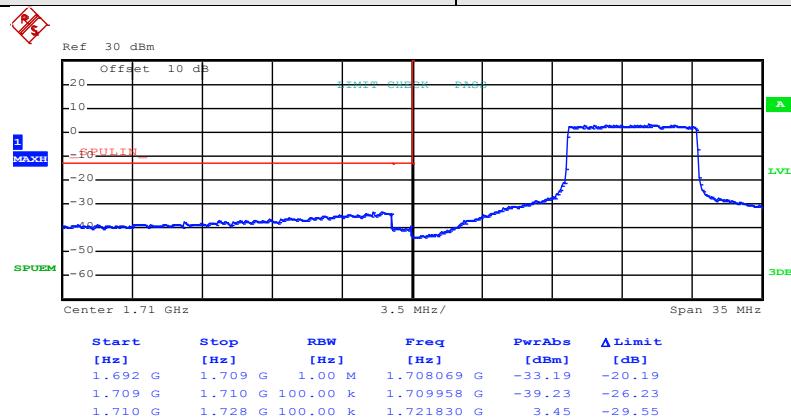


Date: 23.NOV.2015 15:49:30

### Highest channel

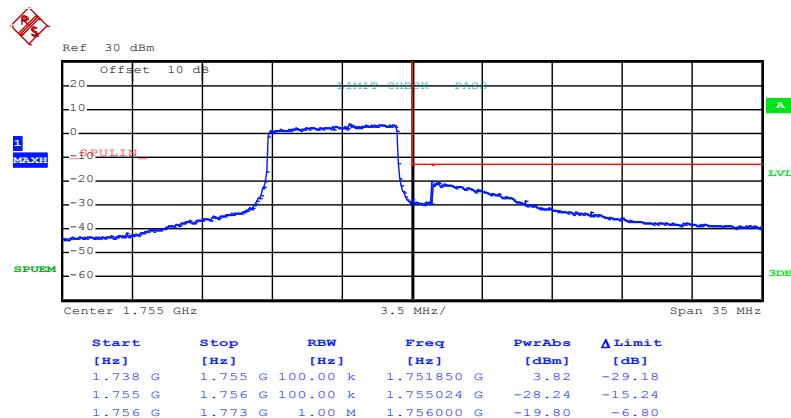
Test Mode:

LTE band 4(16QAM RB Size 36 & RB Offset 37)



Date: 23.NOV.2015 15:46:45

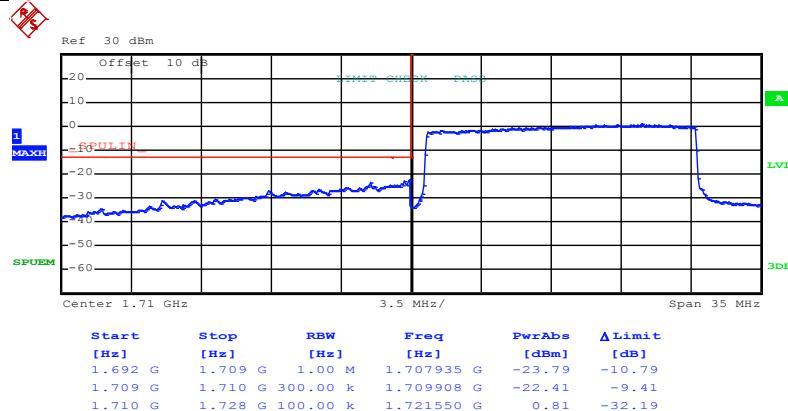
### Lowest channel



Date: 23.NOV.2015 15:49:52

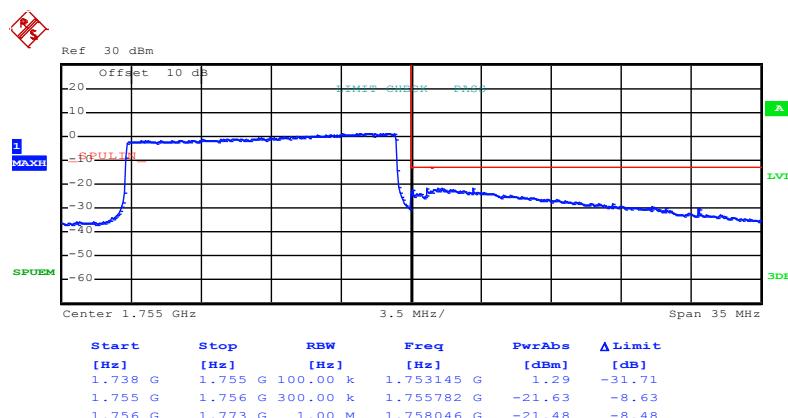
### Highest channel

Test Mode:	LTE band 4(16QAM RB Size 75 & RB Offset 0)
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Date: 23.NOV.2015 15:47:12

### Lowest channel

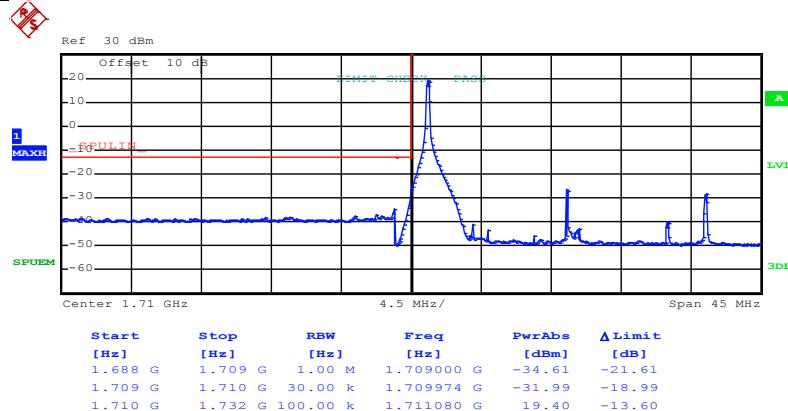


Date: 23.NOV.2015 15:50:18

### Highest channel

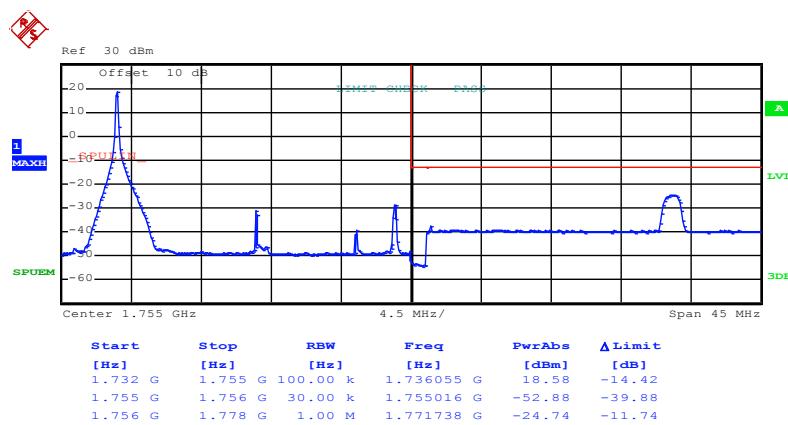
**20MHz:**

Test Mode:	LTE band 4(QPSK RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 15:51:10

**Lowest channel**

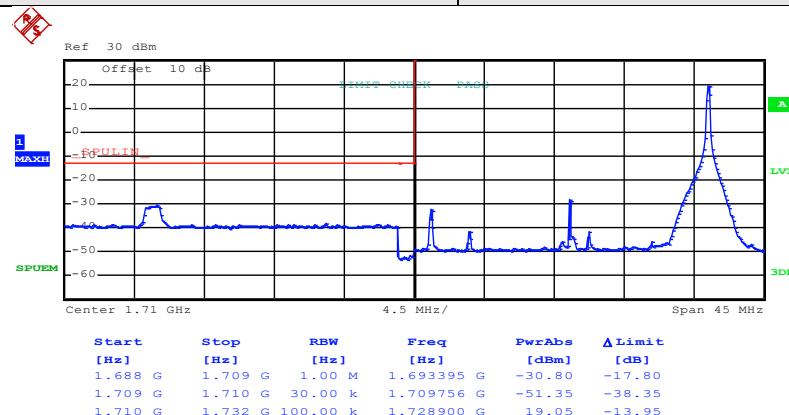


Date: 23.NOV.2015 15:53:24

**Highest channel**

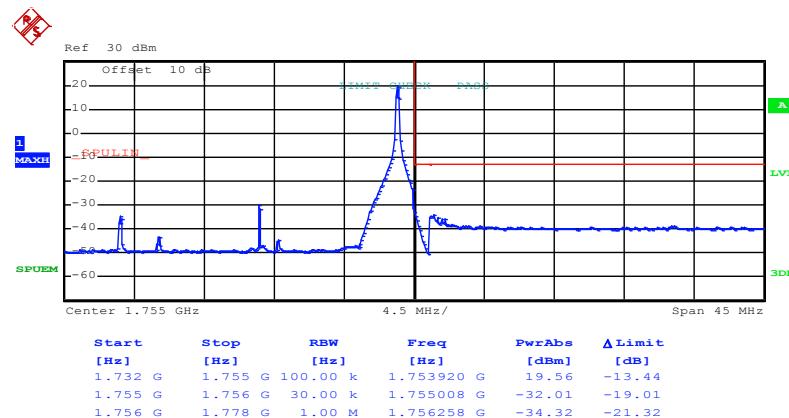
Test Mode:

LTE band 4(QPSK RB Size 1 & RB Offset 99)



Date: 23.NOV.2015 15:51:30

### Lowest channel

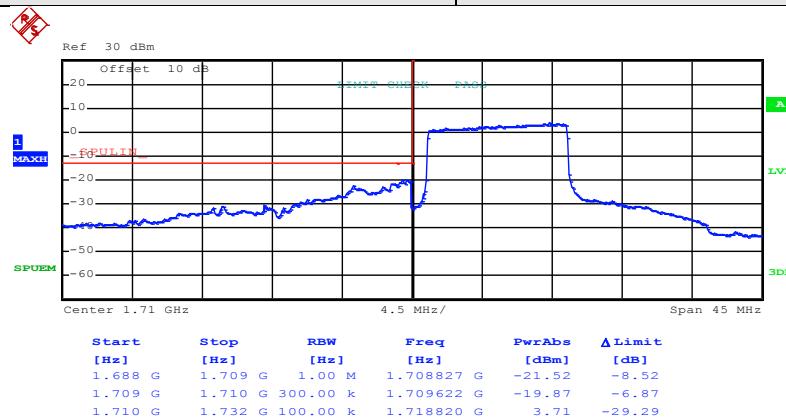


Date: 23.NOV.2015 15:53:47

### Highest channel

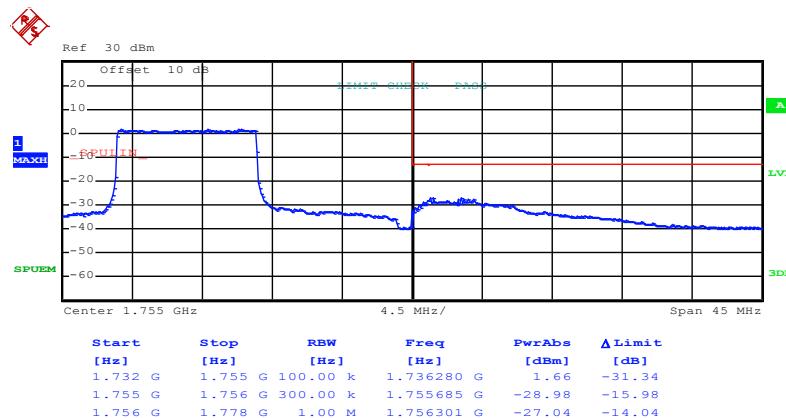
Test Mode:

LTE band 4(QPSK RB Size 50 & RB Offset 0)



Date: 23.NOV.2015 15:52:04

### Lowest channel

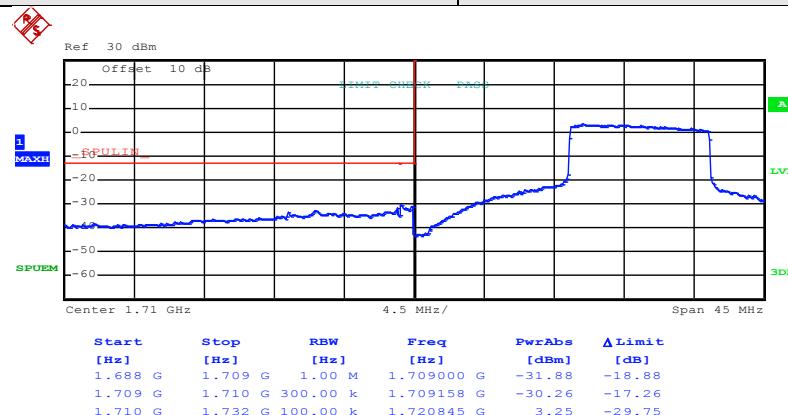


Date: 23.NOV.2015 15:54:15

### Highest channel

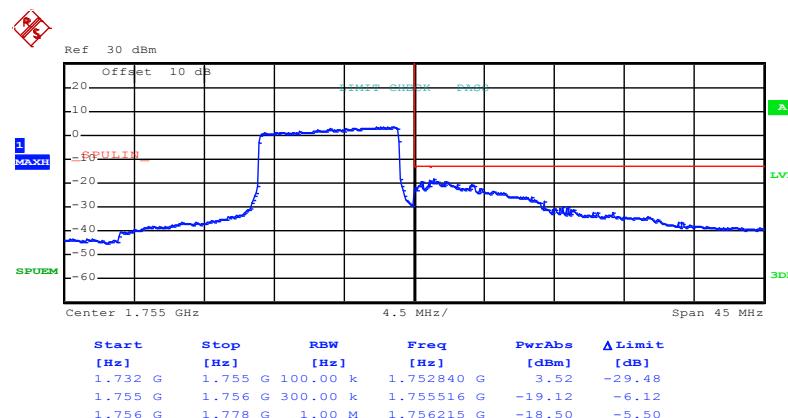
Test Mode:

LTE band 4(QPSK RB Size 50 & RB Offset 49)



Date: 23.NOV.2015 15:52:29

### Lowest channel

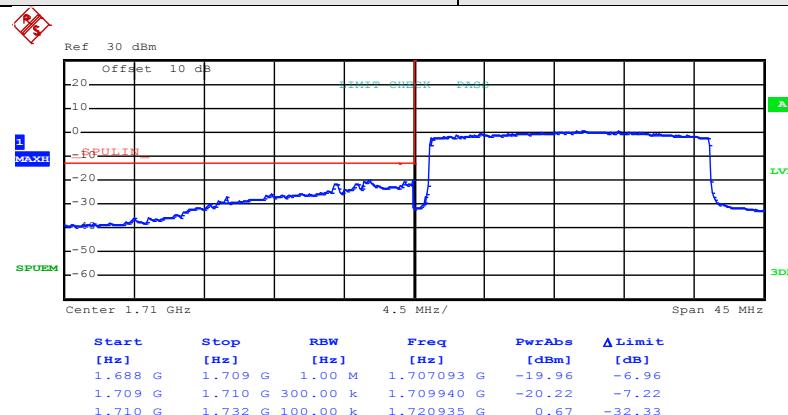


Date: 23.NOV.2015 15:54:38

### Highest channel

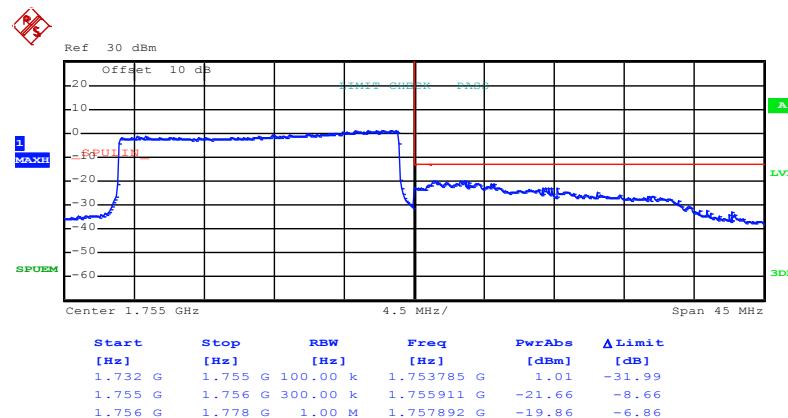
Test Mode:

LTE band 4(QPSK RB Size 100 & RB Offset 0)



Date: 23.NOV.2015 15:52:51

### Lowest channel

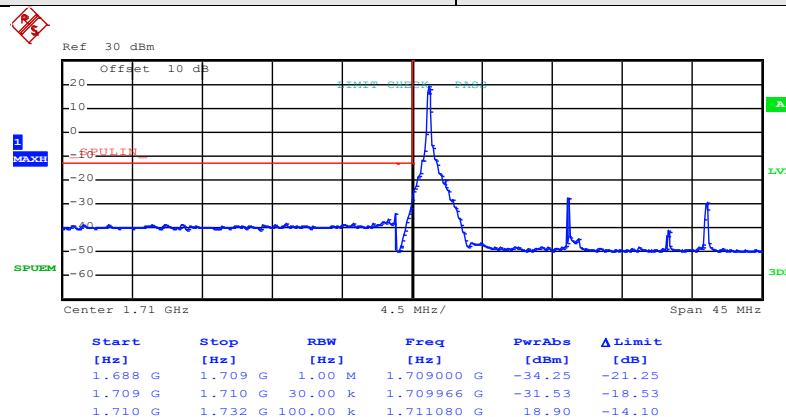


Date: 23.NOV.2015 15:55:07

### Highest channel

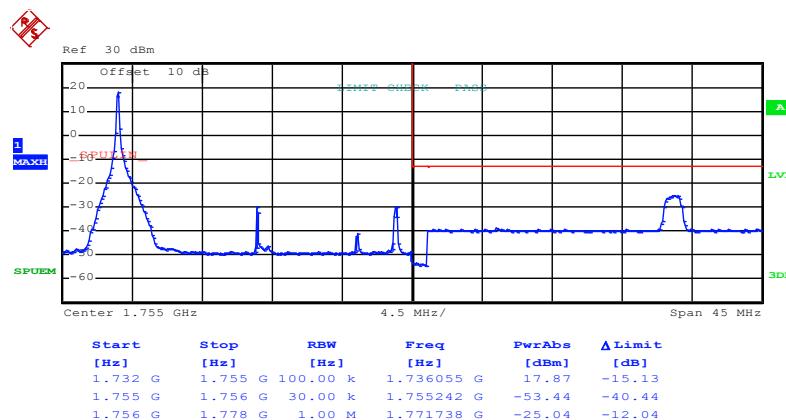
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 0)



Date: 23.NOV.2015 15:51:19

### Lowest channel

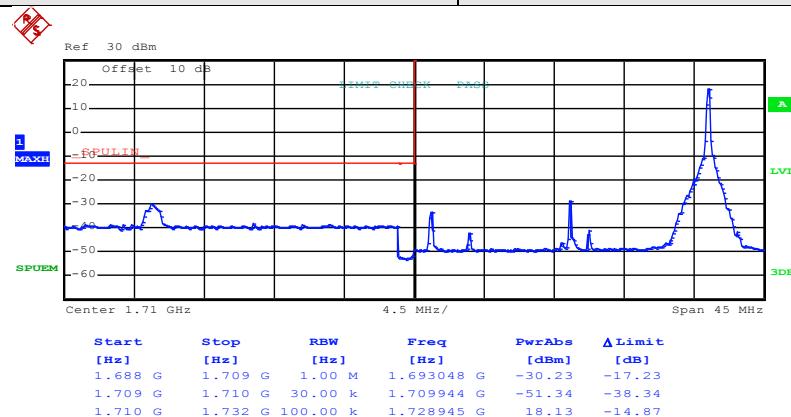


Date: 23.NOV.2015 15:53:35

### Highest channel

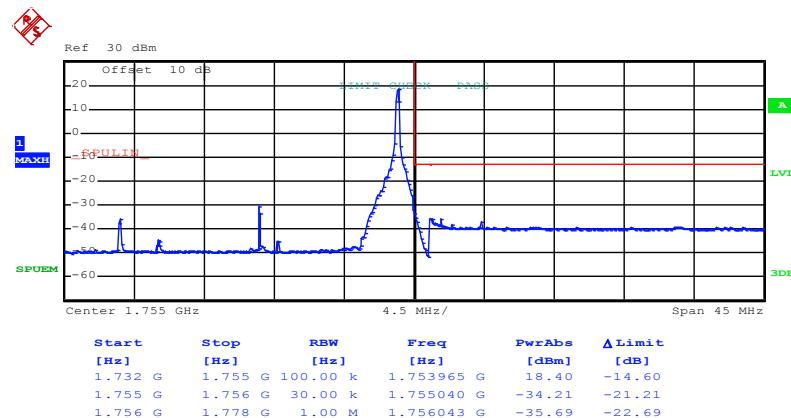
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 99)



Date: 23.NOV.2015 15:51:45

### Lowest channel

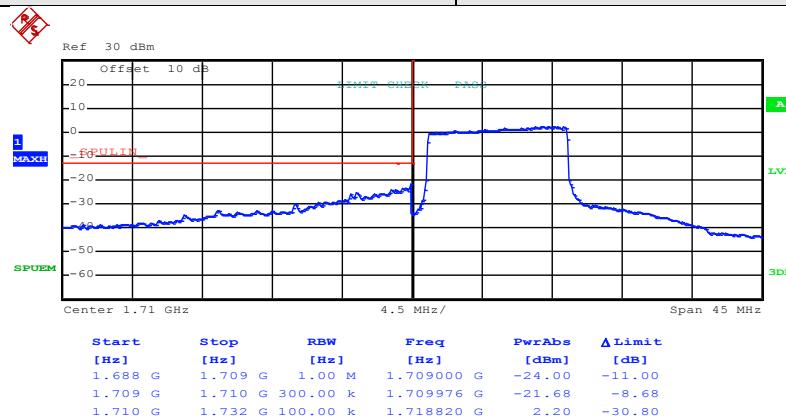


Date: 23.NOV.2015 15:53:57

### Highest channel

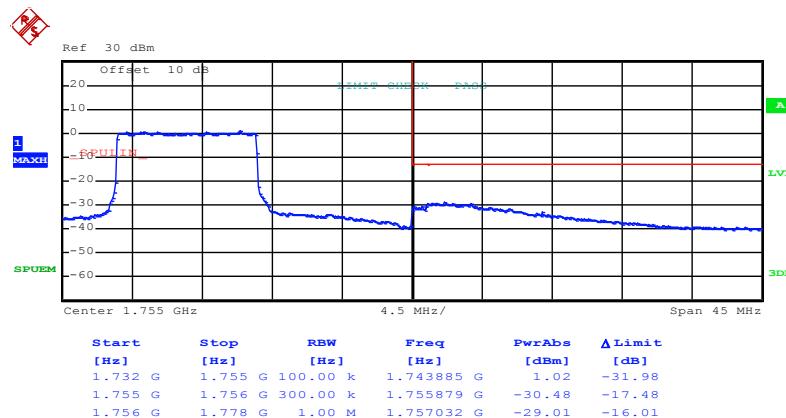
Test Mode:

LTE band 4(16QAM RB Size 50 & RB Offset 0)



Date: 23.NOV.2015 15:52:14

### Lowest channel

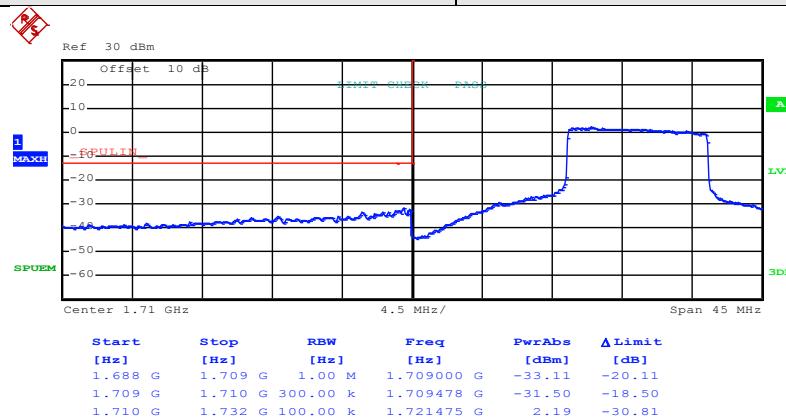


Date: 23.NOV.2015 15:54:24

### Highest channel

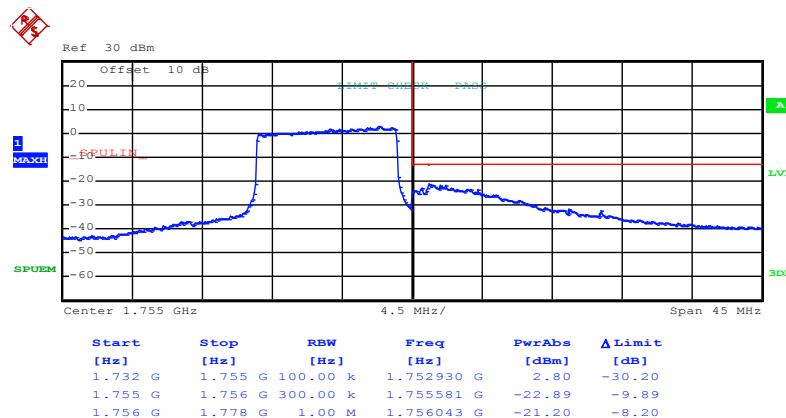
Test Mode:

LTE band 4(16QAM RB Size 50 & RB Offset 49)



Date: 23.NOV.2015 15:52:39

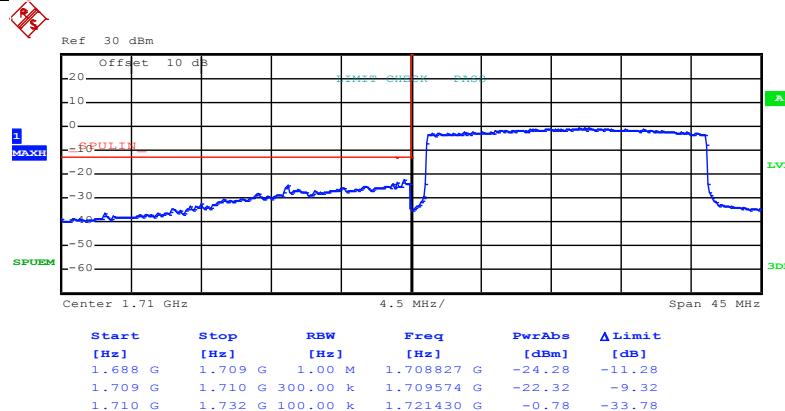
### Lowest channel



Date: 23.NOV.2015 15:54:52

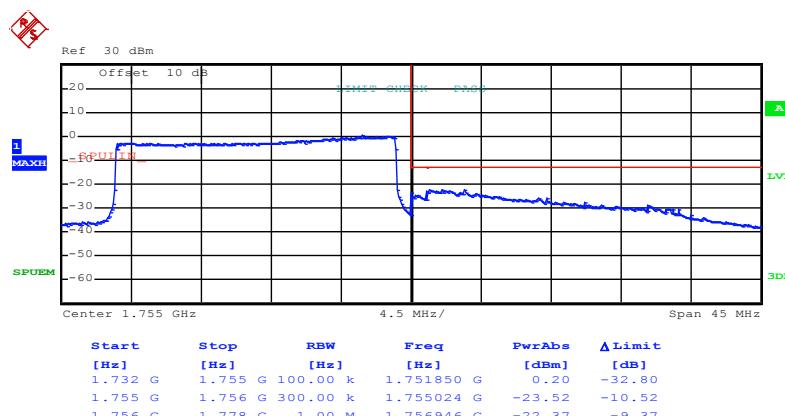
### Highest channel

Test Mode:	LTE band 4(16QAM RB Size 100 & RB Offset 0)
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Date: 23.NOV.2015 15:53:00

### Lowest channel



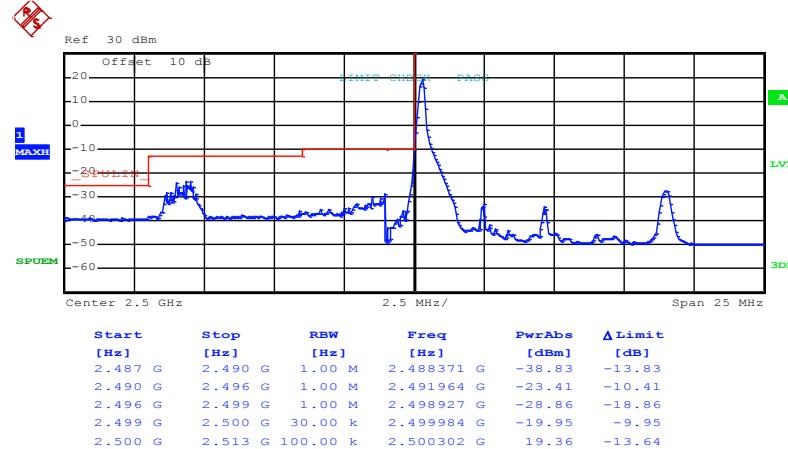
Date: 23.NOV.2015 15:55:16

### Highest channel

## LTE band 7 part:

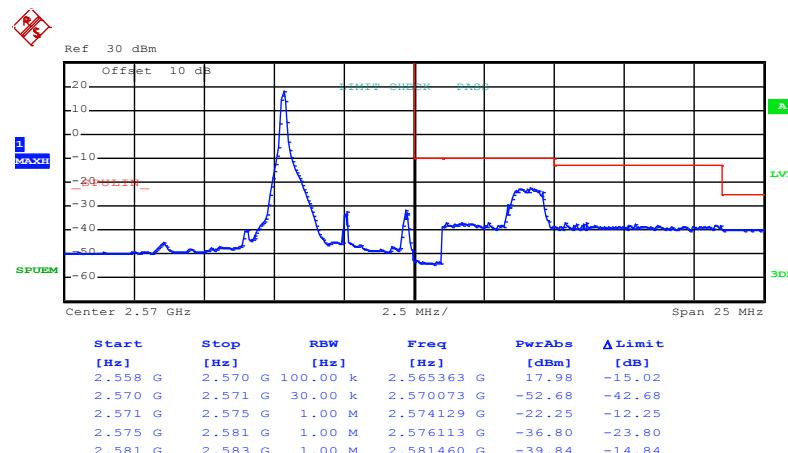
5MHz:

Test Mode:	LTE band 7(QPSK RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 16:16:30

Lowest channel

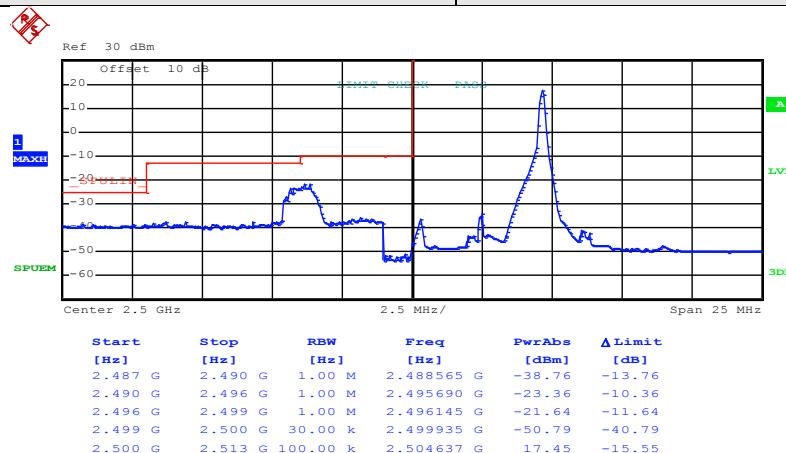


Date: 23.NOV.2015 16:18:19

Highest channel

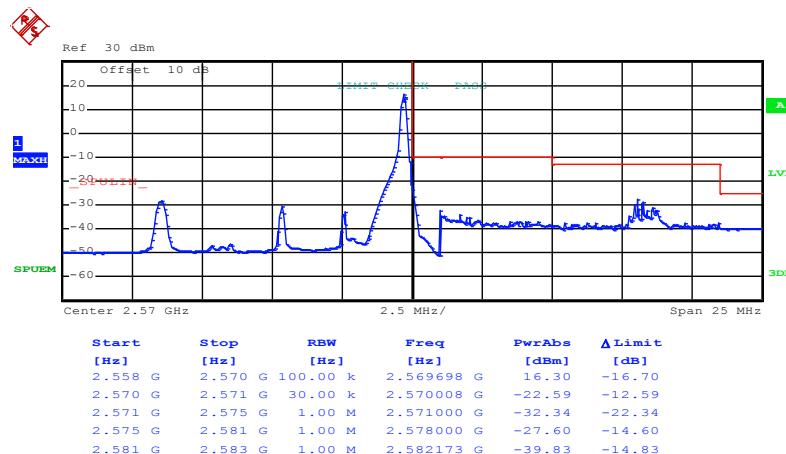
Test Mode:

LTE band 7(QPSK RB Size 1 & RB Offset 24)



Date: 23.NOV.2015 16:16:51

### Lowest channel

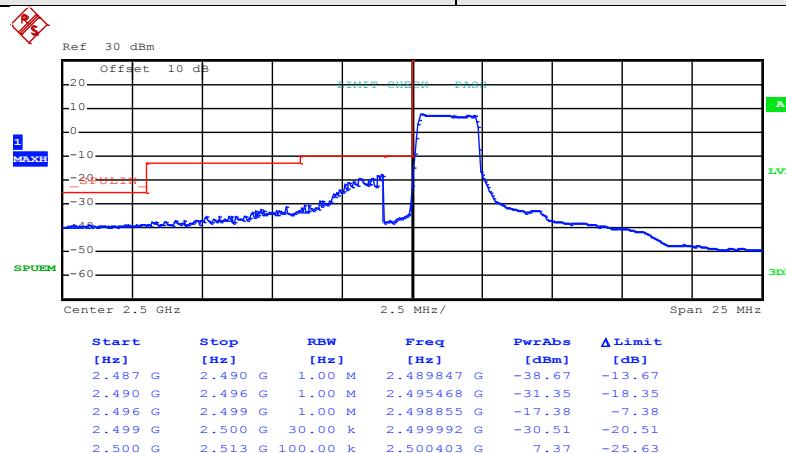


Date: 23.NOV.2015 16:18:37

### Highest channel

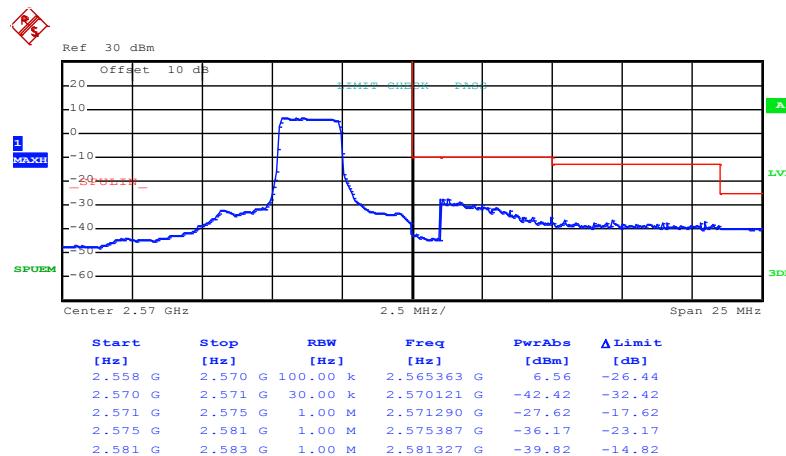
Test Mode:

LTE band 7(QPSK RB Size 12 & RB Offset 0)



Date: 23.NOV.2015 16:17:12

### Lowest channel

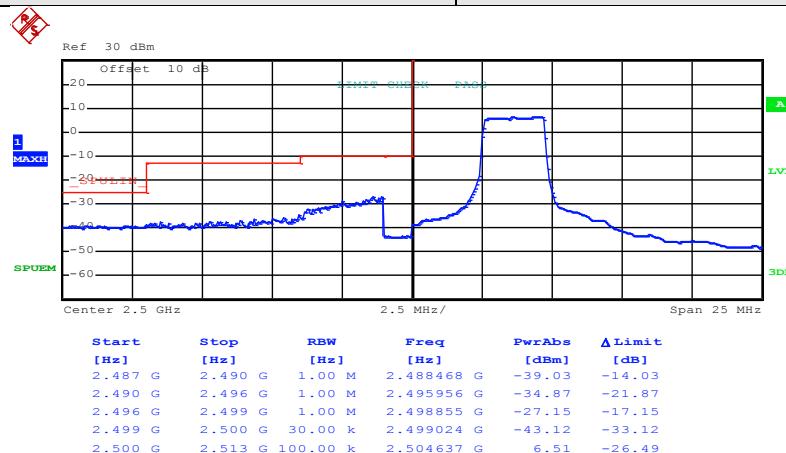


Date: 23.NOV.2015 16:18:55

### Highest channel

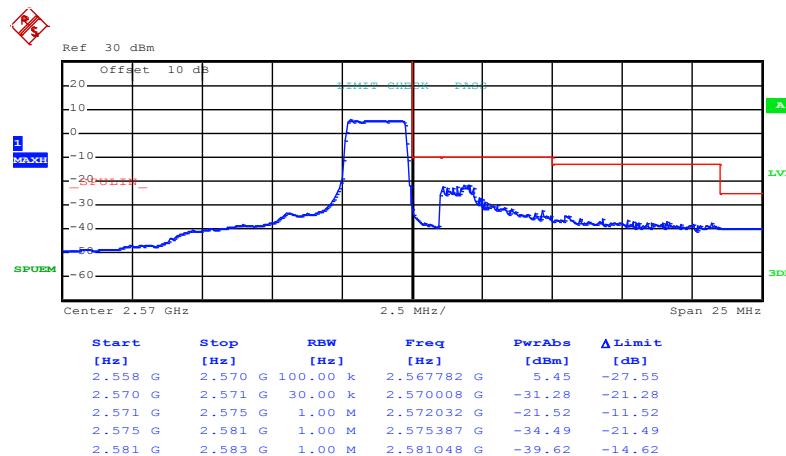
Test Mode:

LTE band 7(QPSK RB Size 12 & RB Offset 11)



Date: 23.NOV.2015 16:17:30

### Lowest channel

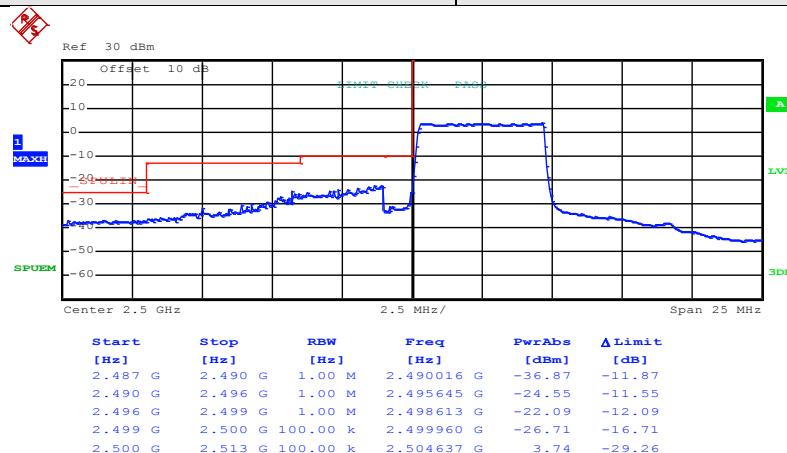


Date: 23.NOV.2015 16:19:10

### Highest channel

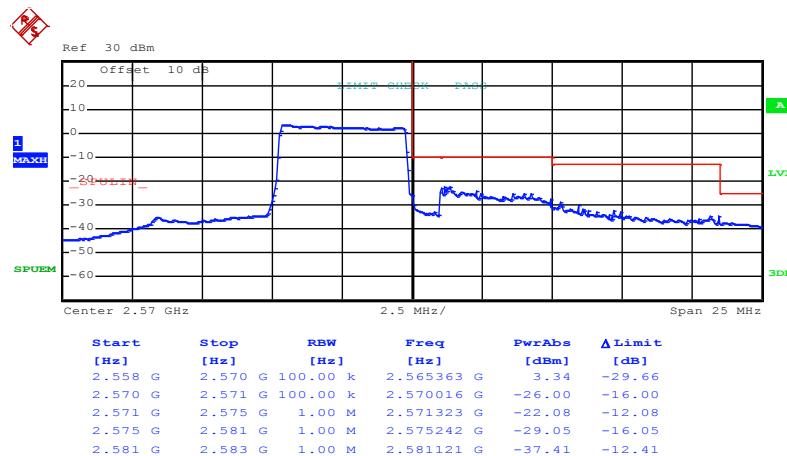
Test Mode:

LTE band 7(QPSK RB Size 25 & RB Offset 0)



Date: 23.NOV.2015 16:17:52

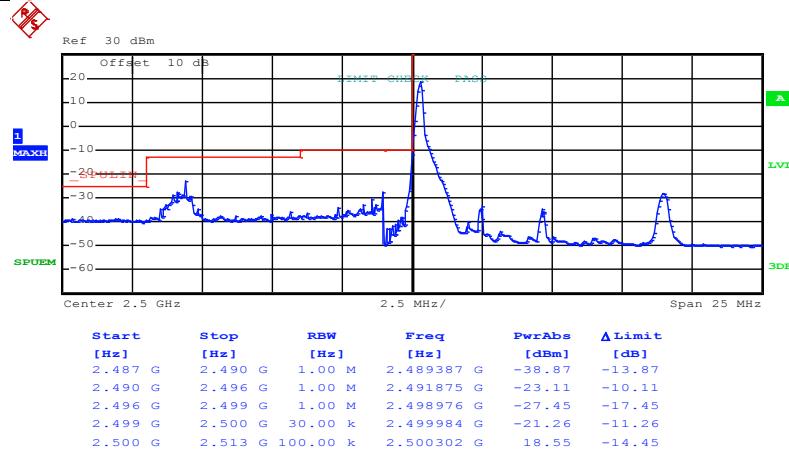
### Lowest channel



Date: 23.NOV.2015 16:19:32

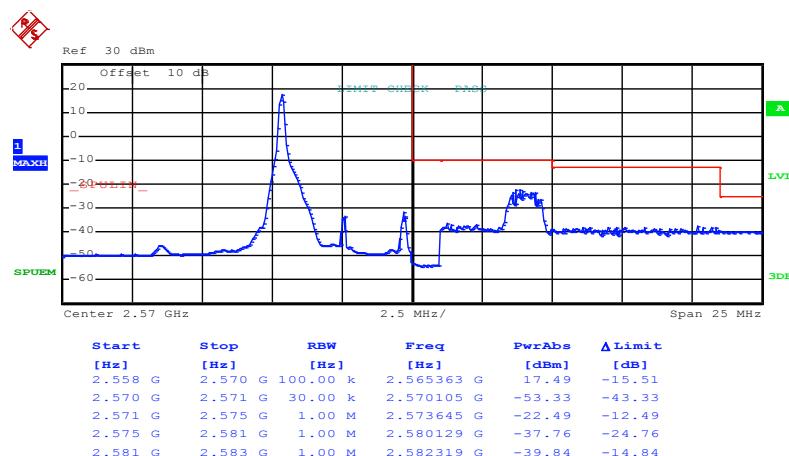
### Highest channel

Test Mode:	LTE band 7(16QAM RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 16:16:41

### Lowest channel

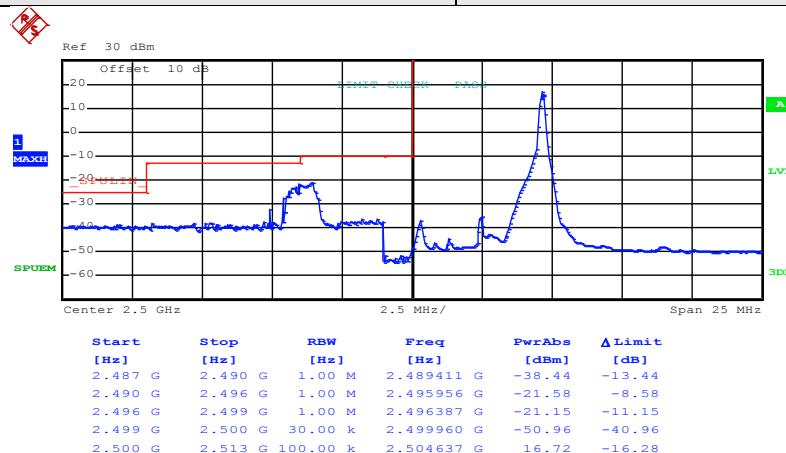


Date: 23.NOV.2015 16:18:27

### Highest channel

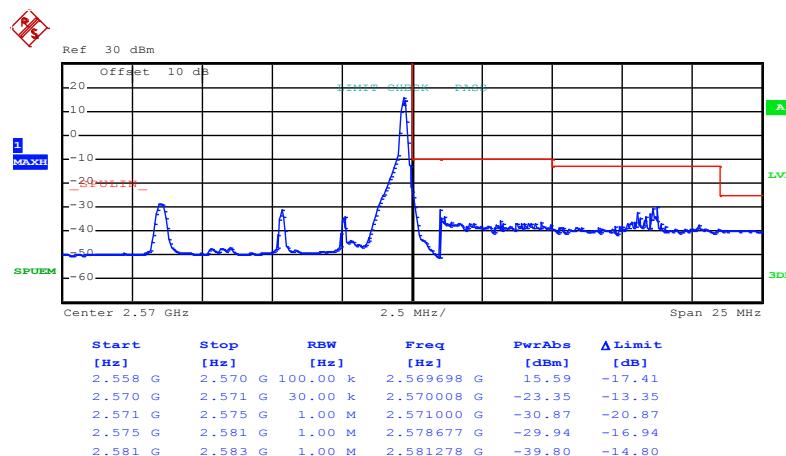
Test Mode:

LTE band 7(16QAM RB Size 1 & RB Offset 24)



Date: 23.NOV.2015 16:16:59

### Lowest channel

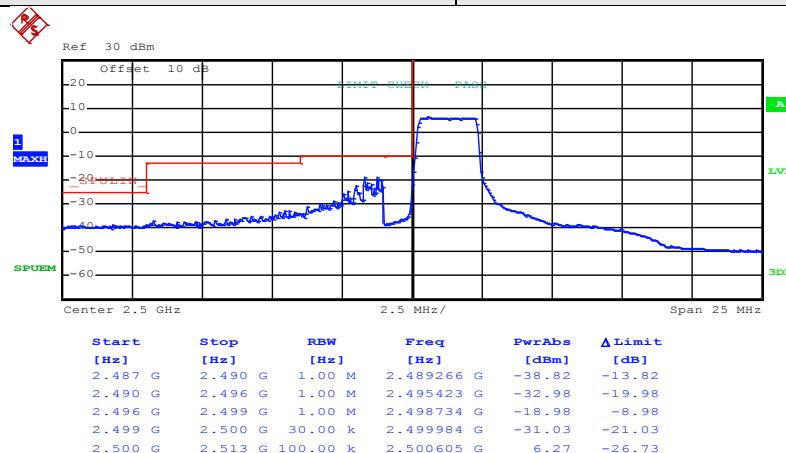


Date: 23.NOV.2015 16:18:45

### Highest channel

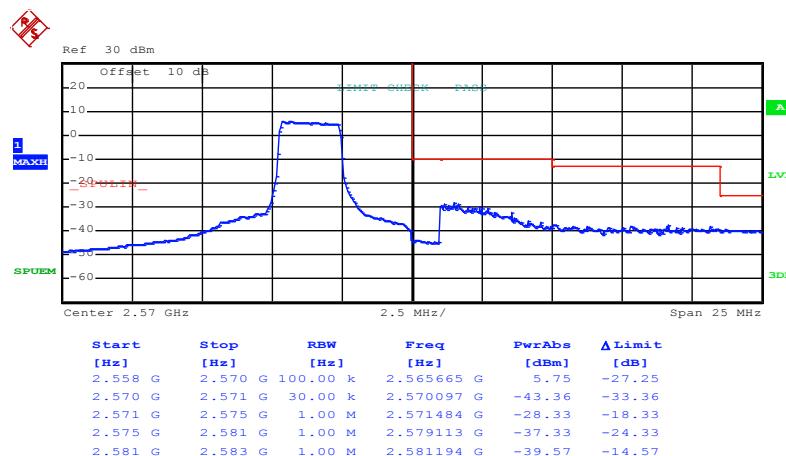
Test Mode:

LTE band 7(16QAM RB Size 12 & RB Offset 0)



Date: 23.NOV.2015 16:17:19

### Lowest channel

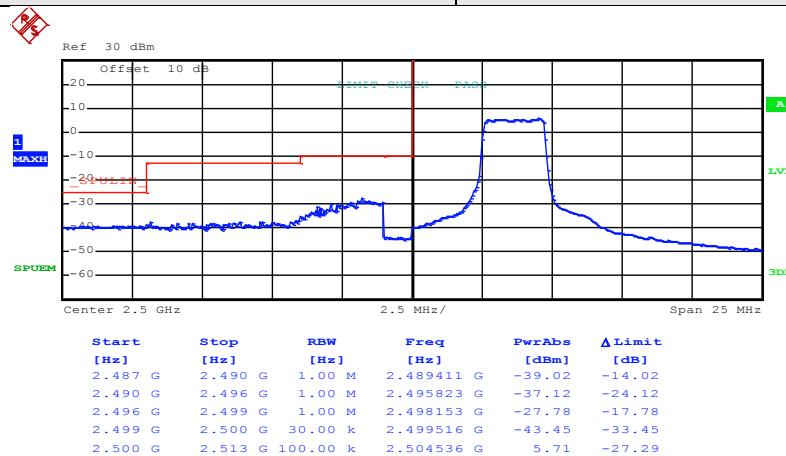


Date: 23.NOV.2015 16:19:01

### Highest channel

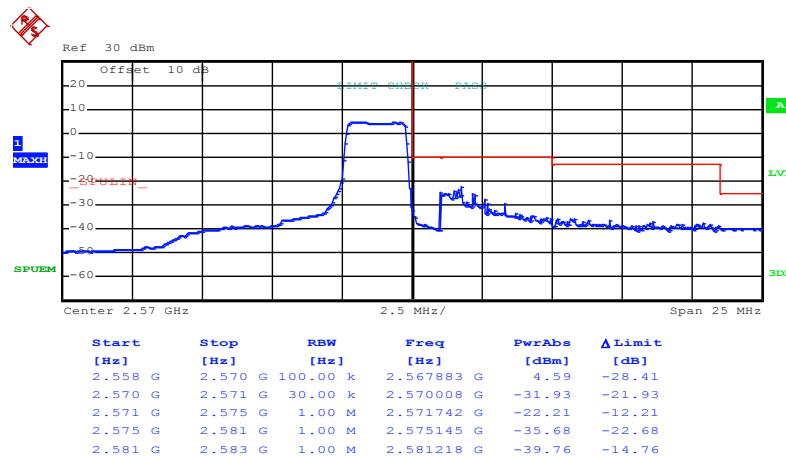
Test Mode:

LTE band 7(16QAM RB Size 12 & RB Offset 11)



Date: 23.NOV.2015 16:17:38

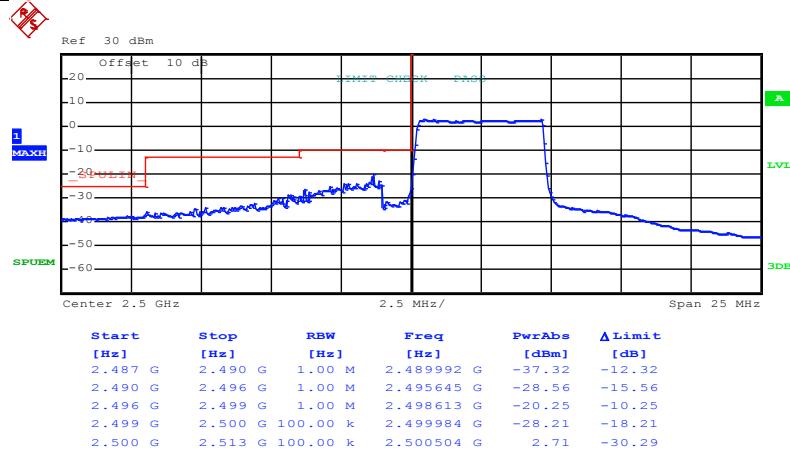
### Lowest channel



Date: 23.NOV.2015 16:19:18

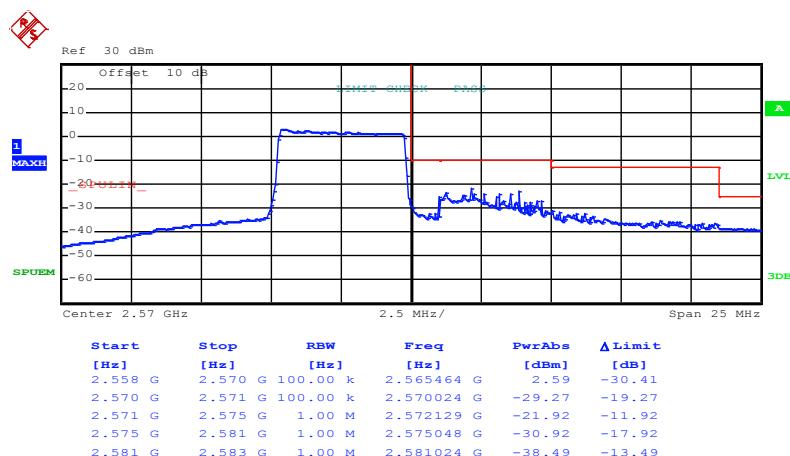
### Highest channel

Test Mode:	LTE band 7(16QAM RB Size 25 & RB Offset 0)
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Date: 23.NOV.2015 16:17:58

### Lowest channel

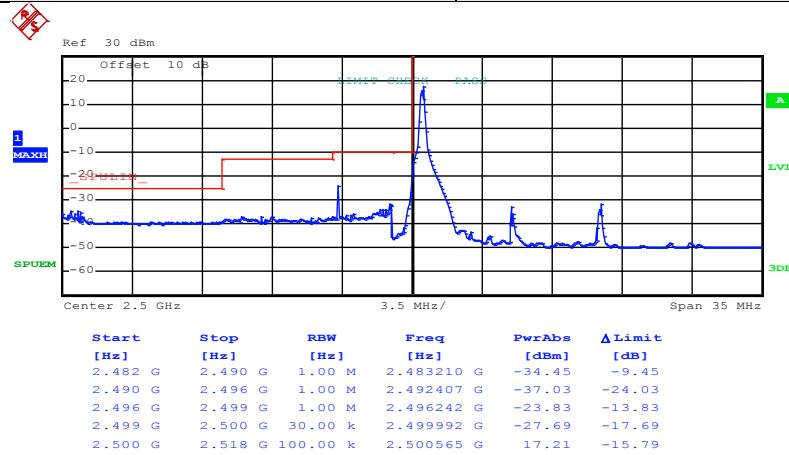


Date: 23.NOV.2015 16:19:38

### Highest channel

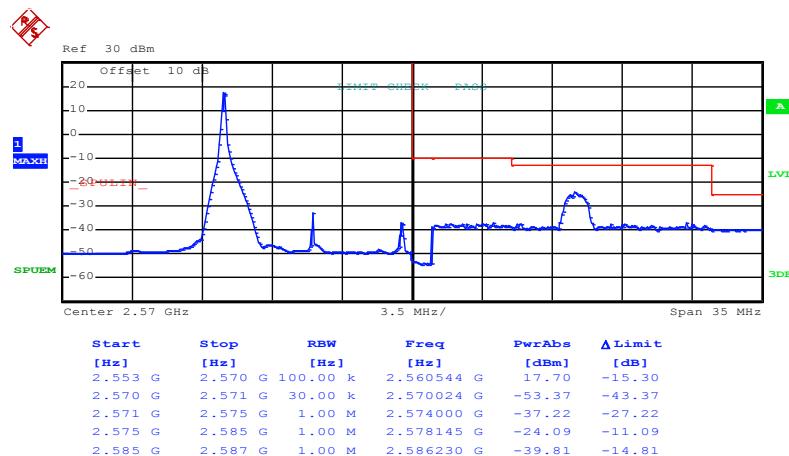
**10MHz:**

Test Mode:	LTE band 7(QPSK RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 16:20:24

**Lowest channel**

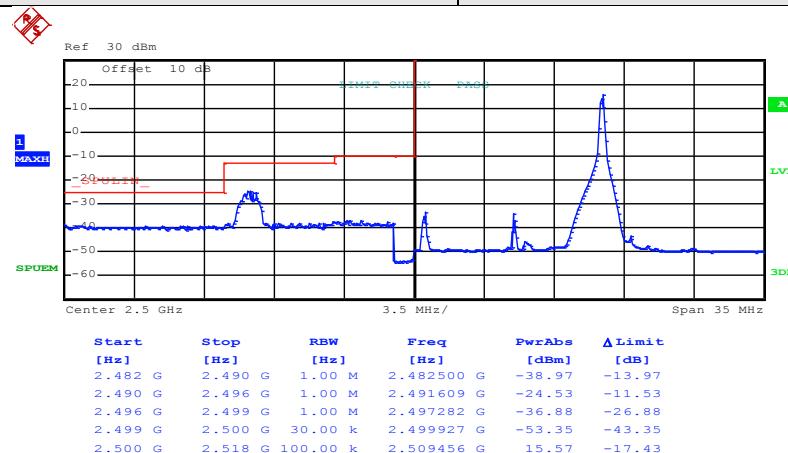


Date: 23.NOV.2015 16:30:06

**Highest channel**

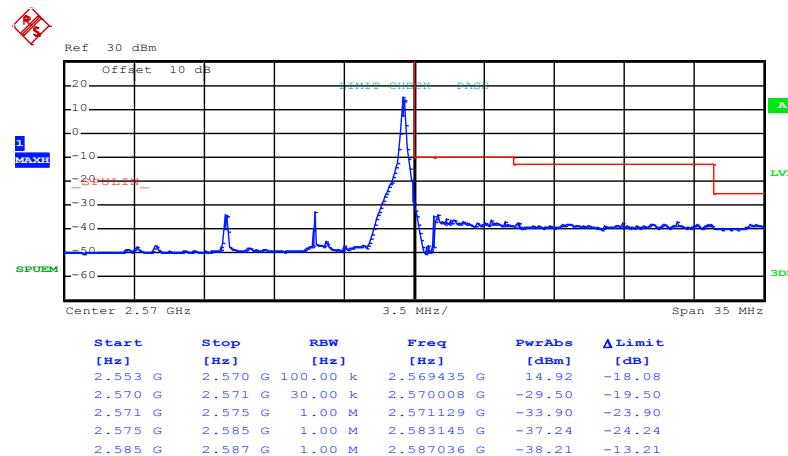
Test Mode:

LTE band 7(QPSK RB Size 1 & RB Offset 49)



Date: 23.NOV.2015 16:20:41

### Lowest channel

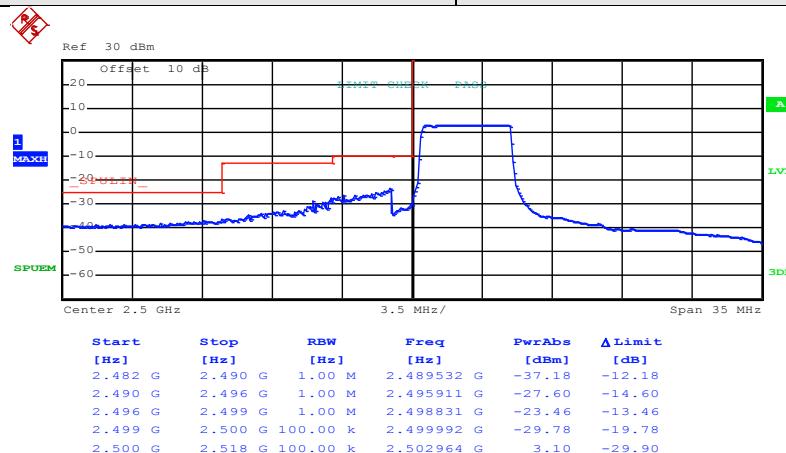


Date: 23.NOV.2015 16:30:29

### Highest channel

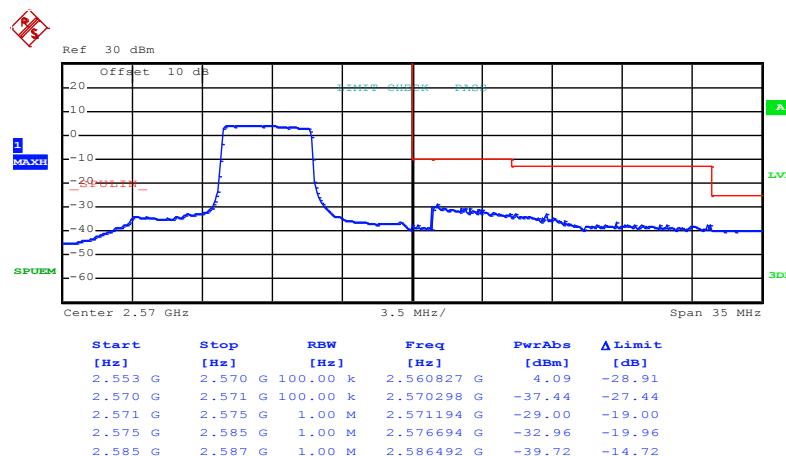
Test Mode:

LTE band 7(QPSK RB Size 25 & RB Offset 0)



Date: 23.NOV.2015 16:21:07

### Lowest channel

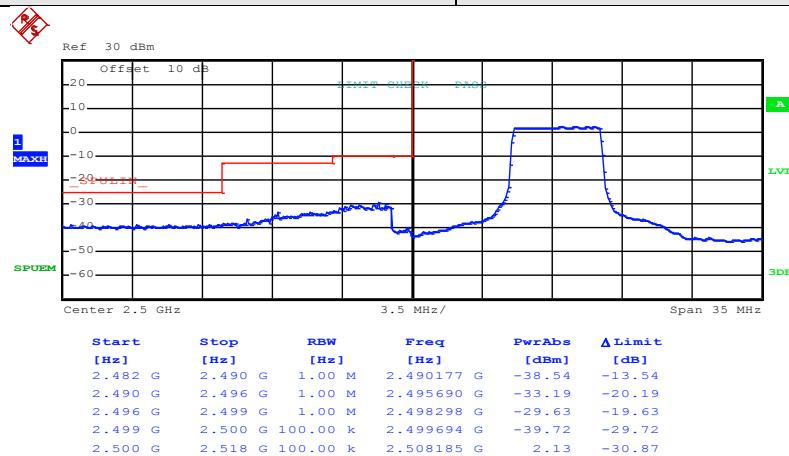


Date: 23.NOV.2015 16:30:57

### Highest channel

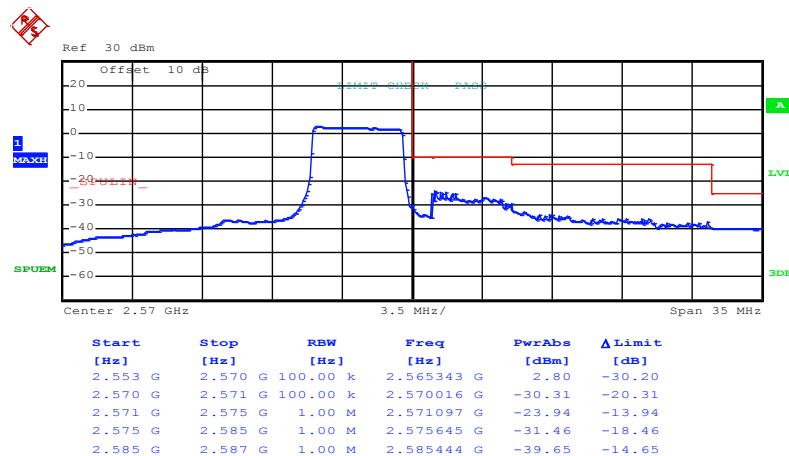
Test Mode:

LTE band 7(QPSK RB Size 25 & RB Offset 24)



Date: 23.NOV.2015 16:21:23

### Lowest channel

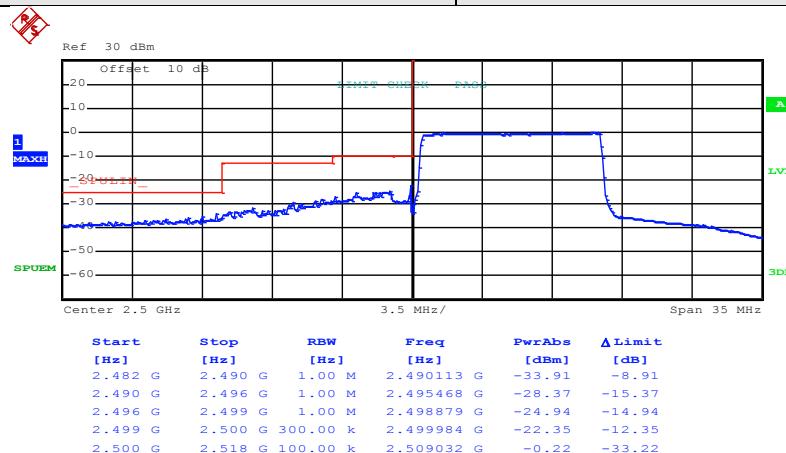


Date: 23.NOV.2015 16:31:24

### Highest channel

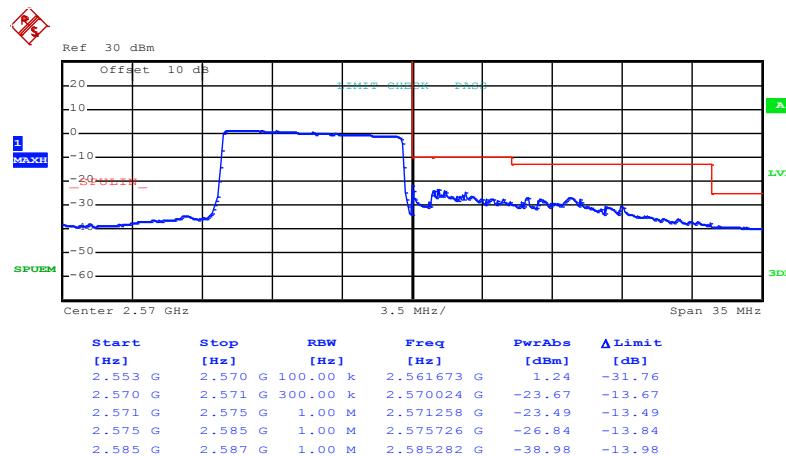
Test Mode:

LTE band 7(QPSK RB Size 50 & RB Offset 0)



Date: 23.NOV.2015 16:21:46

### Lowest channel

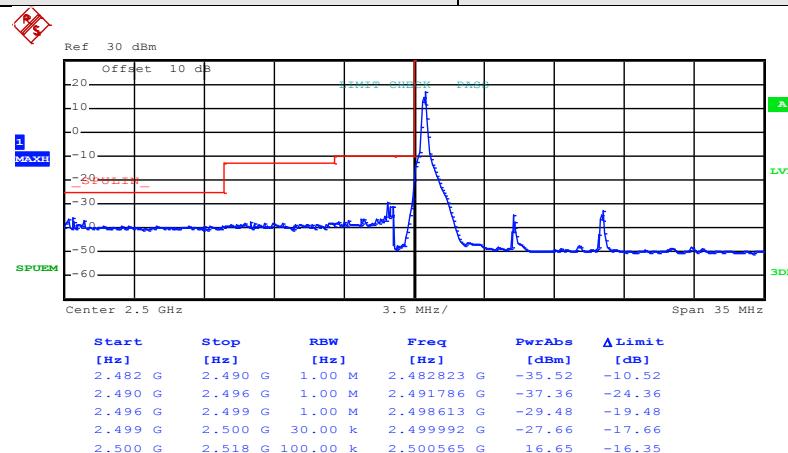


Date: 23.NOV.2015 16:31:53

### Highest channel

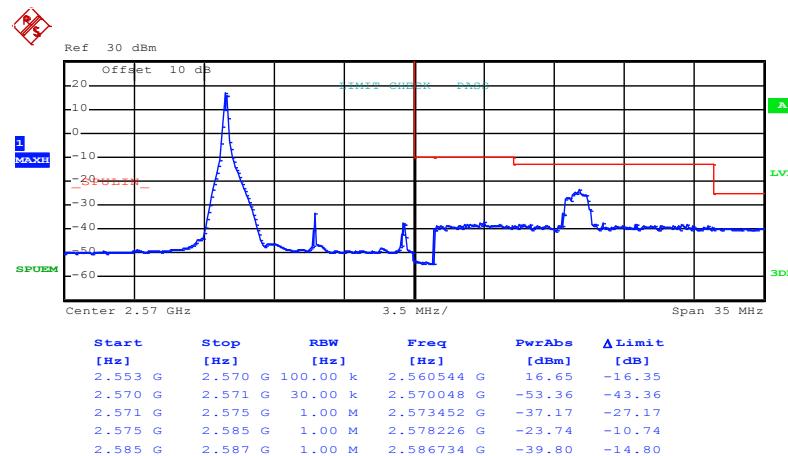
Test Mode:

LTE band 7(16QAM RB Size 1 & RB Offset 0)



Date: 23.NOV.2015 16:20:31

### Lowest channel

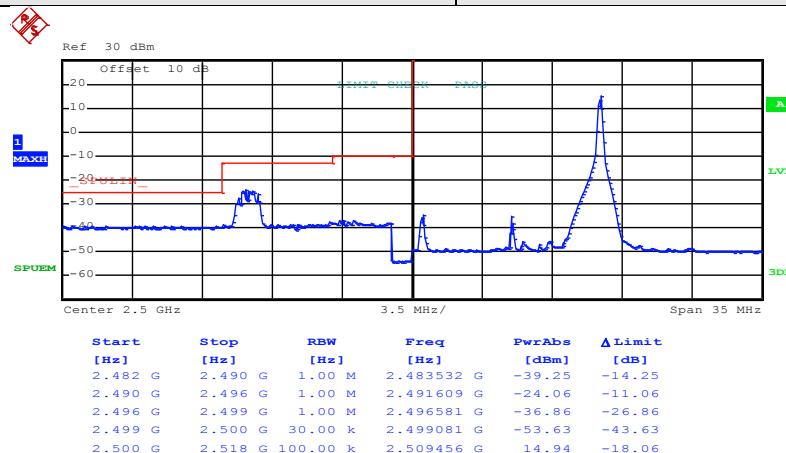


Date: 23.NOV.2015 16:30:16

### Highest channel

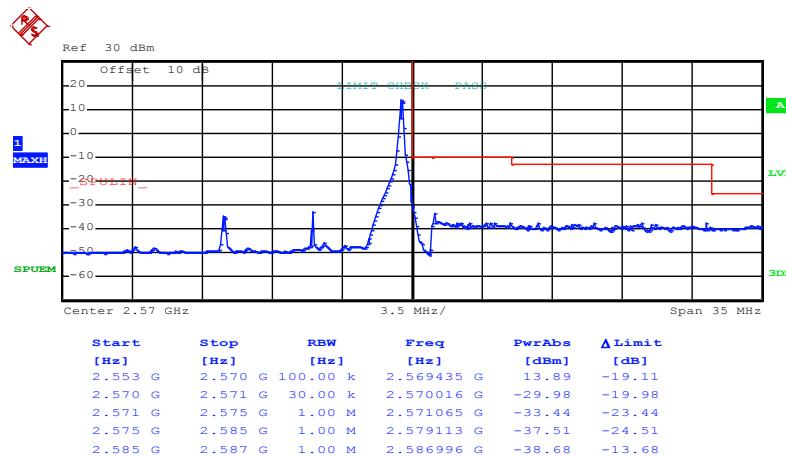
Test Mode:

LTE band 7(16QAM RB Size 1 & RB Offset 49)



Date: 23.NOV.2015 16:20:50

### Lowest channel

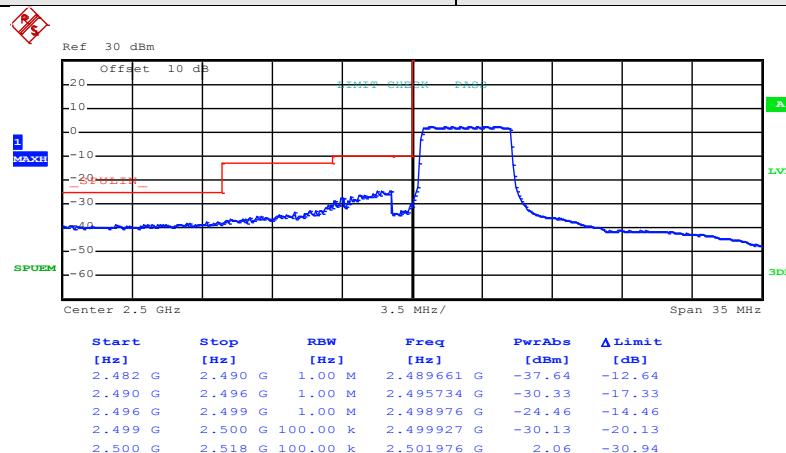


Date: 23.NOV.2015 16:30:39

### Highest channel

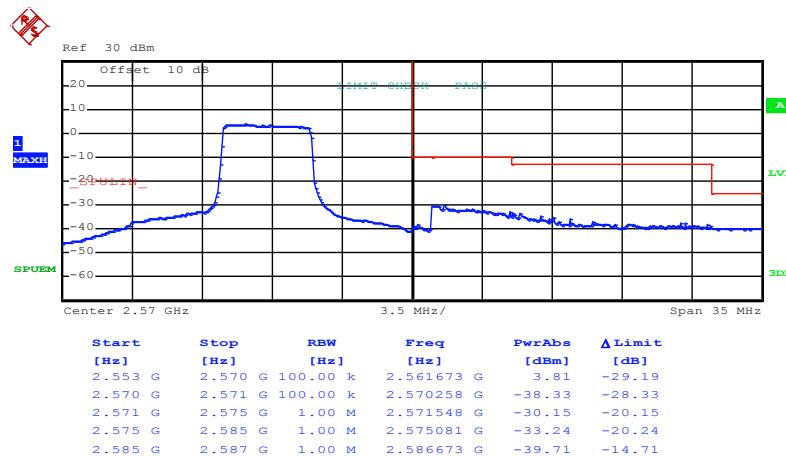
Test Mode:

LTE band 7(16QAM RB Size 25 & RB Offset 0)



Date: 23.NOV.2015 16:21:14

### Lowest channel

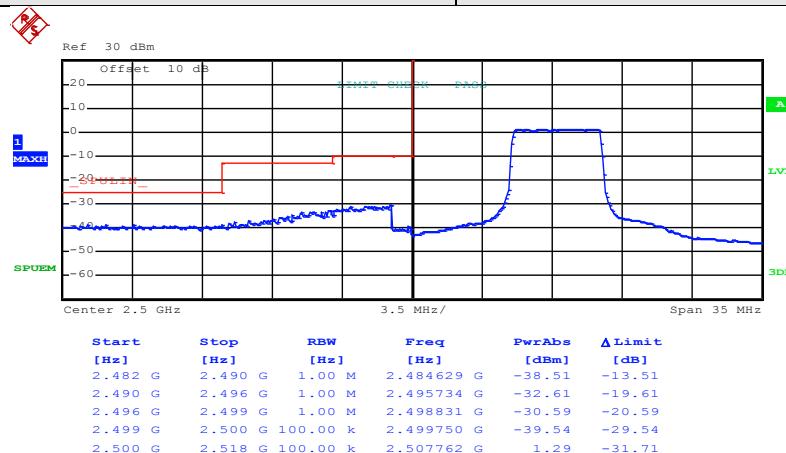


Date: 23.NOV.2015 16:31:13

### Highest channel

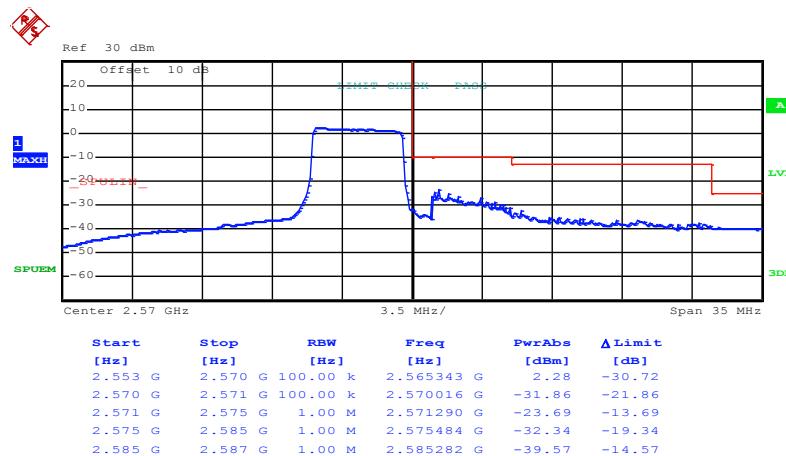
Test Mode:

LTE band 7(16QAM RB Size 25 & RB Offset 24)



Date: 23.NOV.2015 16:21:31

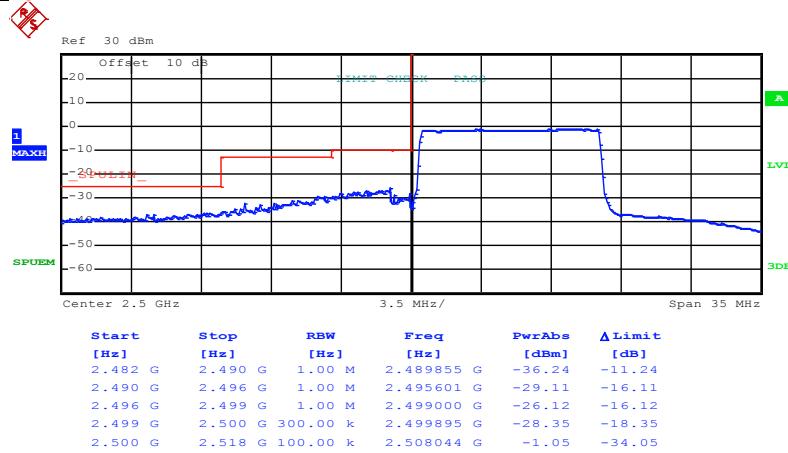
### Lowest channel



Date: 23.NOV.2015 16:31:38

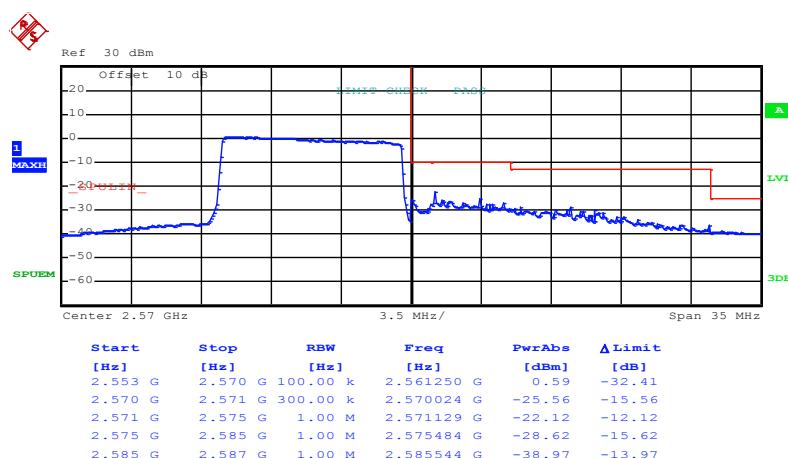
### Highest channel

Test Mode:	LTE band 7(16QAM RB Size 50 & RB Offset 0)
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Date: 23.NOV.2015 16:21:52

### Lowest channel

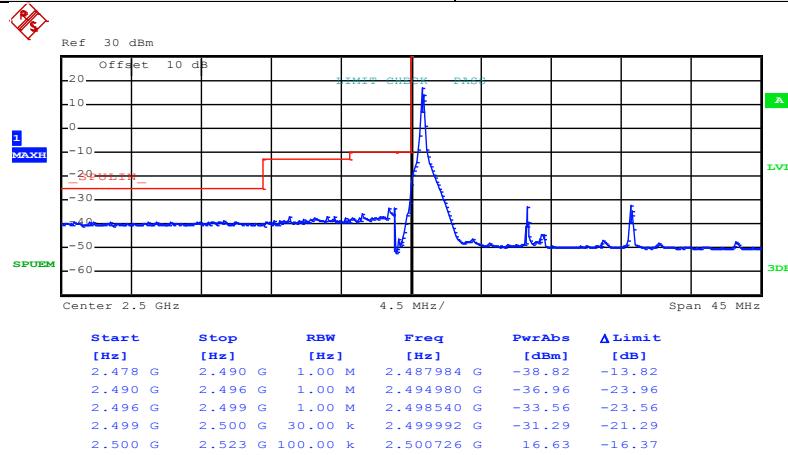


Date: 23.NOV.2015 16:32:03

### Highest channel

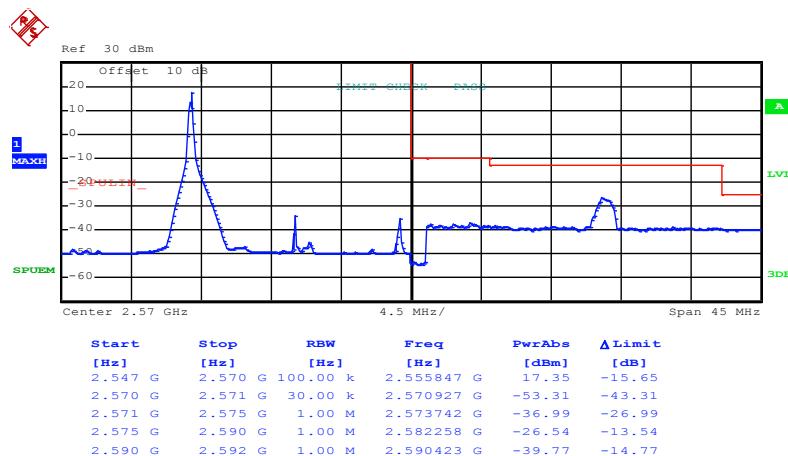
## 15MHz:

Test Mode:	LTE band 7(QPSK RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 16:24:27

## Lowest channel

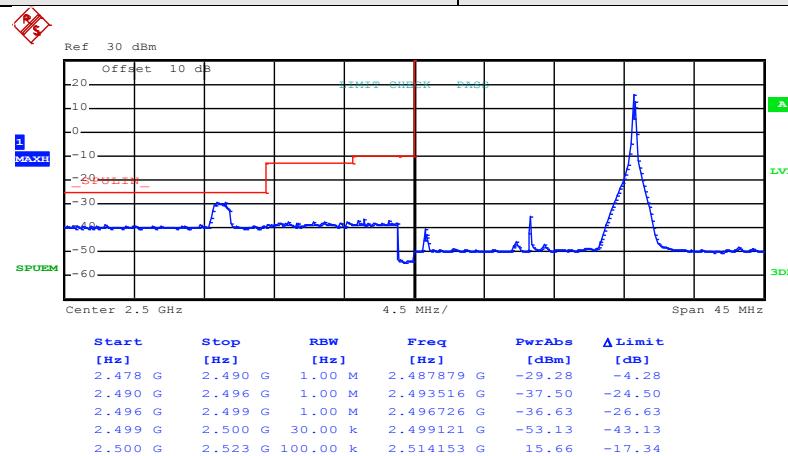


Date: 23.NOV.2015 16:26:56

## Highest channel

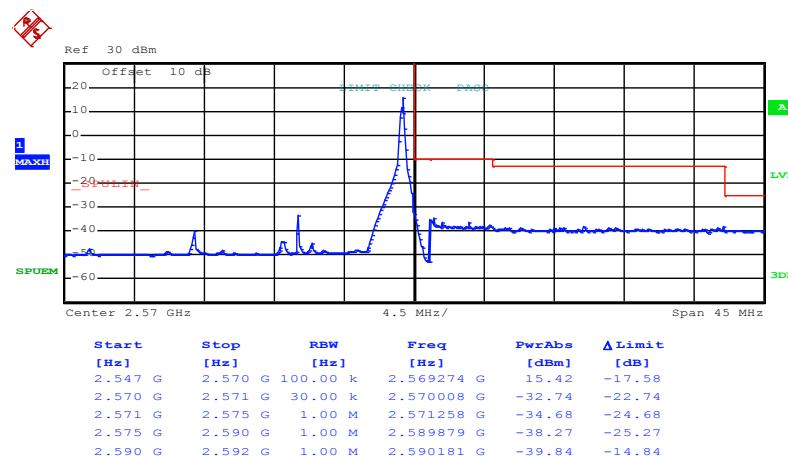
Test Mode:

LTE band 7(QPSK RB Size 1 & RB Offset 74)



Date: 23.NOV.2015 16:24:45

### Lowest channel

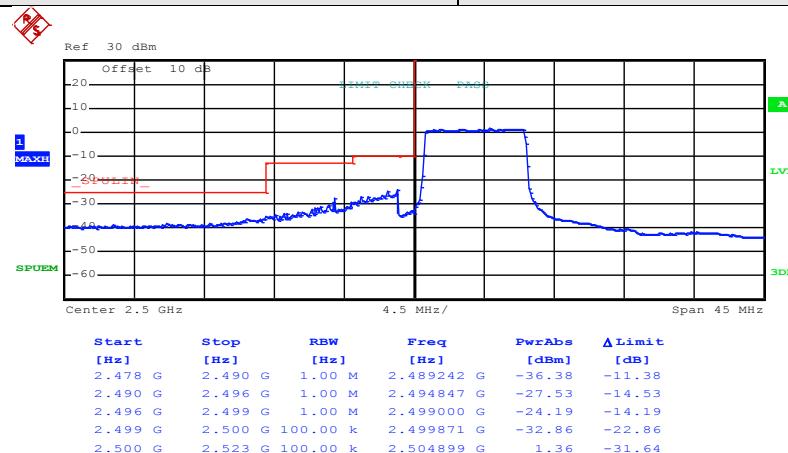


Date: 23.NOV.2015 16:27:15

### Highest channel

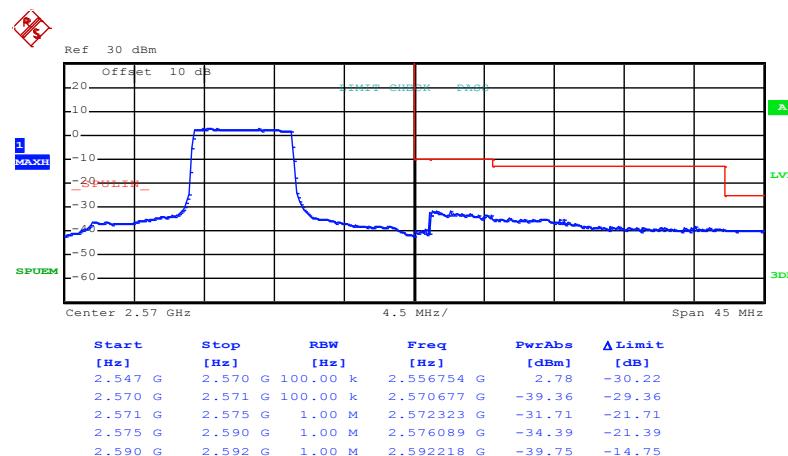
Test Mode:

LTE band 7(QPSK RB Size 36 & RB Offset 0)



Date: 23.NOV.2015 16:25:09

### Lowest channel

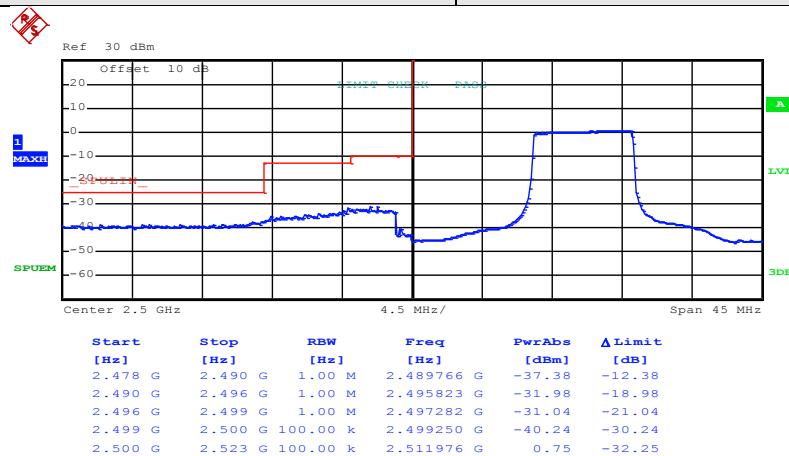


Date: 23.NOV.2015 16:27:40

### Highest channel

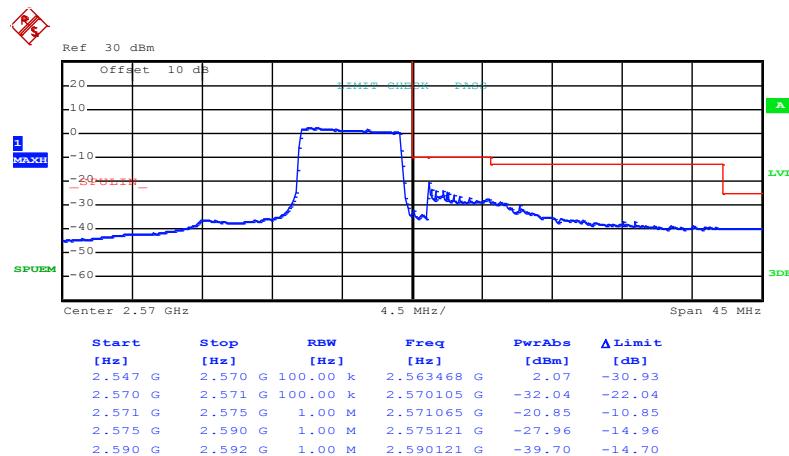
Test Mode:

LTE band 7(QPSK RB Size 36 & RB Offset 37)



Date: 23.NOV.2015 16:25:30

### Lowest channel

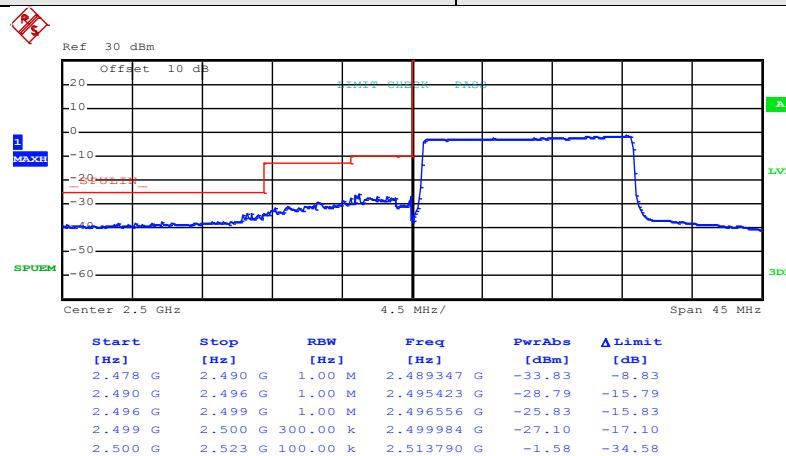


Date: 23.NOV.2015 16:27:57

### Highest channel

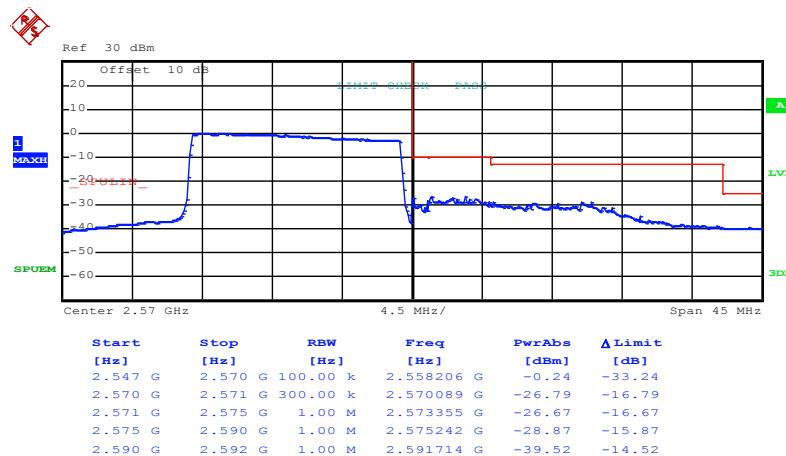
Test Mode:

LTE band 7(QPSK RB Size 75 & RB Offset 0)



Date: 23.NOV.2015 16:25:53

### Lowest channel

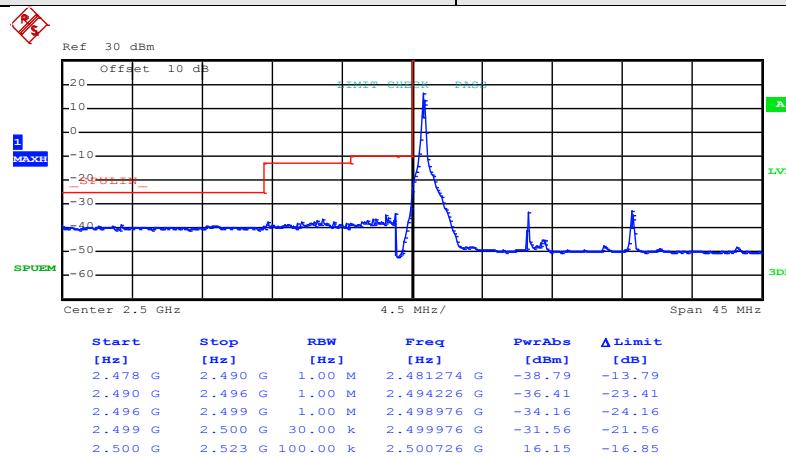


Date: 23.NOV.2015 16:29:02

### Highest channel

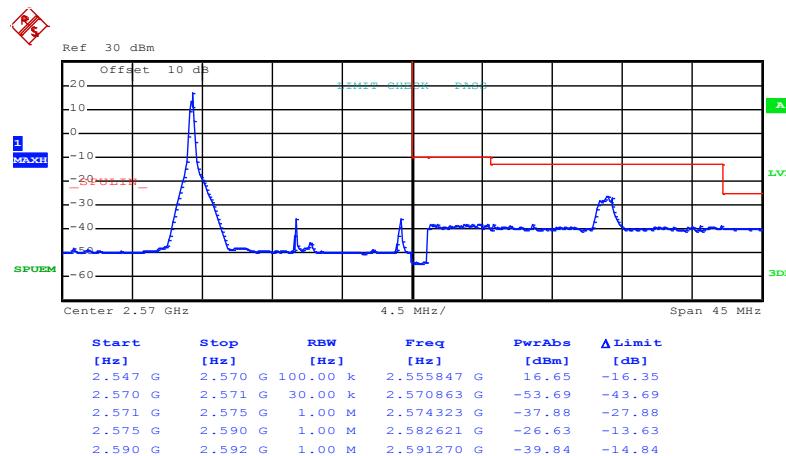
Test Mode:

LTE band 7(16QAM RB Size 1 & RB Offset 0)



Date: 23.NOV.2015 16:24:34

### Lowest channel

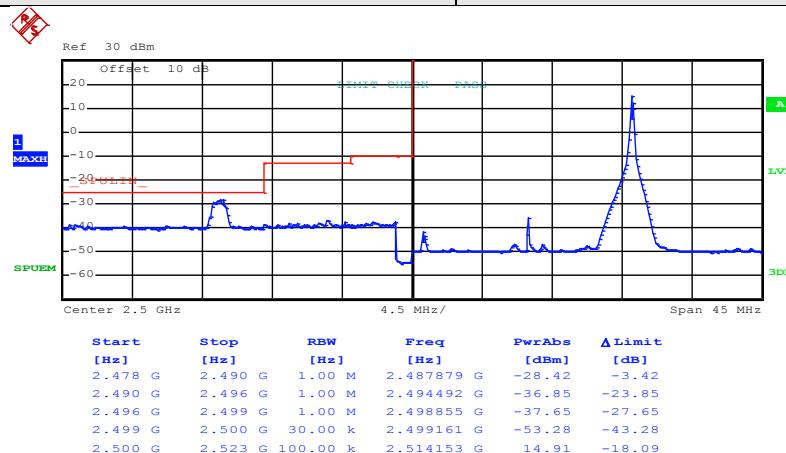


Date: 23.NOV.2015 16:27:05

### Highest channel

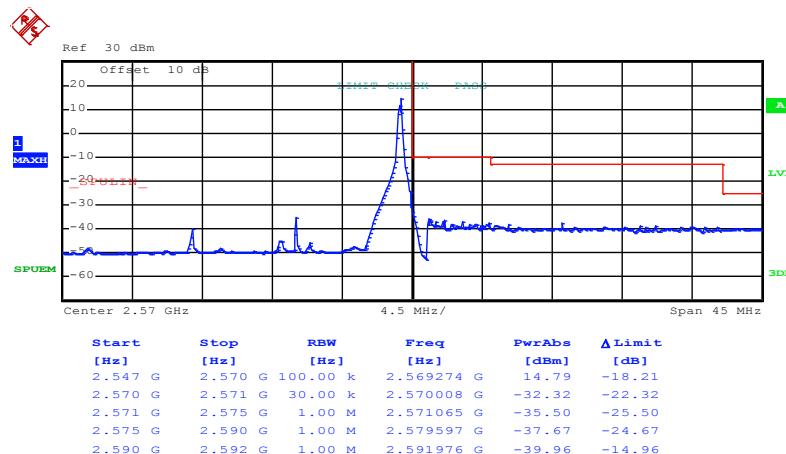
Test Mode:

LTE band 7(16QAM RB Size 1 & RB Offset 74)



Date: 23.NOV.2015 16:24:54

### Lowest channel

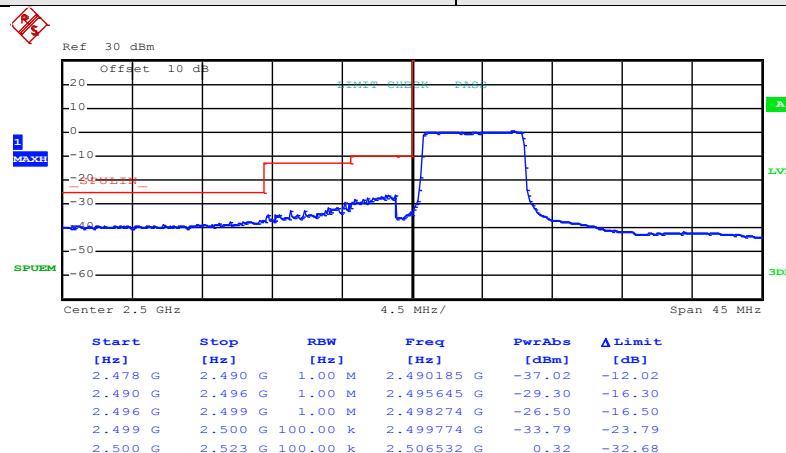


Date: 23.NOV.2015 16:27:24

### Highest channel

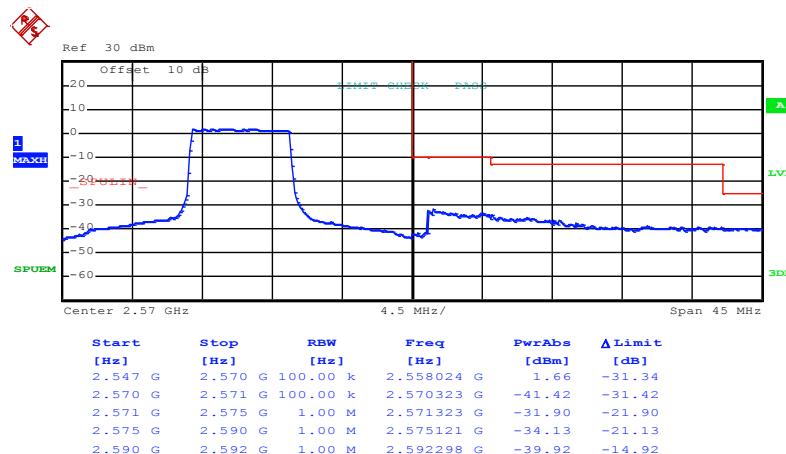
Test Mode:

LTE band 7(16QAM RB Size 36 & RB Offset 0)



Date: 23.NOV.2015 16:25:17

### Lowest channel

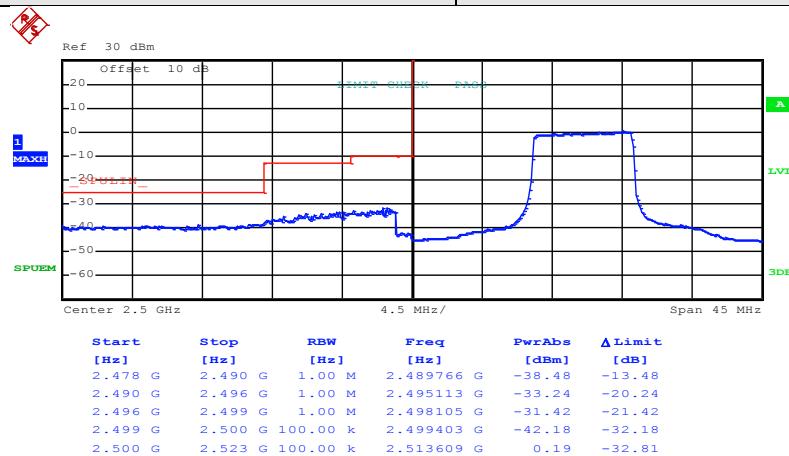


Date: 23.NOV.2015 16:27:47

### Highest channel

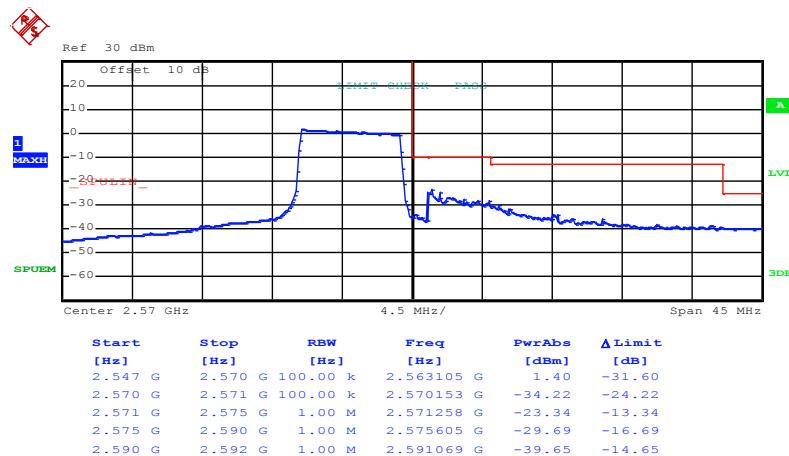
Test Mode:

LTE band 7(16QAM RB Size 36 & RB Offset 37)



Date: 23.NOV.2015 16:25:38

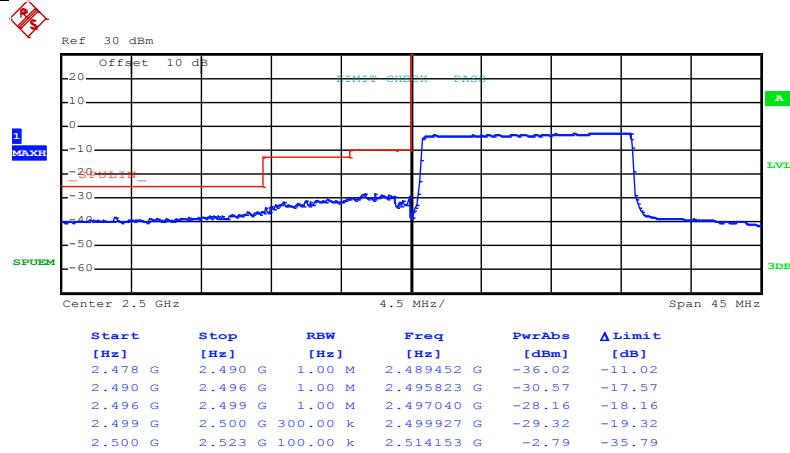
### Lowest channel



Date: 23.NOV.2015 16:28:09

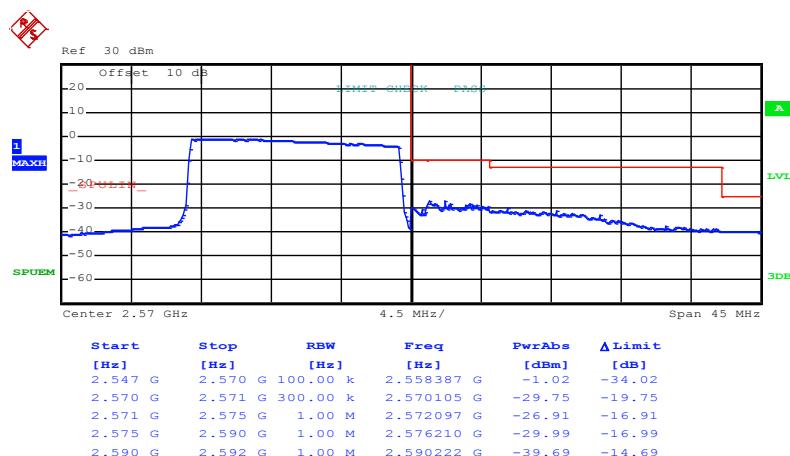
### Highest channel

Test Mode:	LTE band 7(16QAM RB Size 75 & RB Offset 0)
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Date: 23.NOV.2015 16:25:59

### Lowest channel

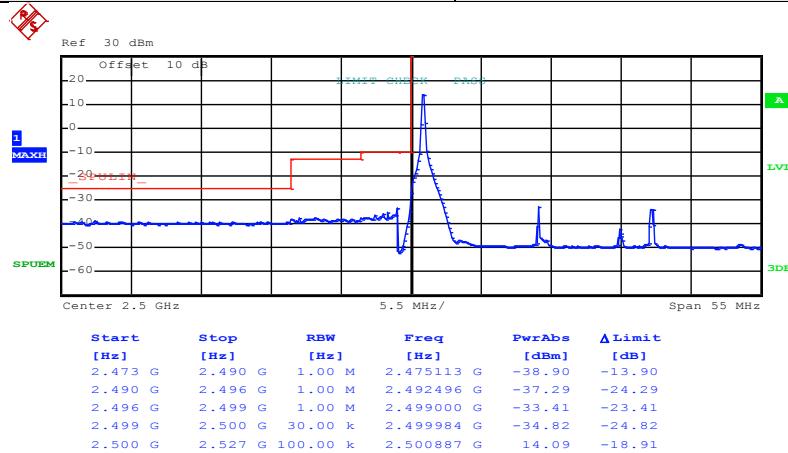


Date: 23.NOV.2015 16:29:10

### Highest channel

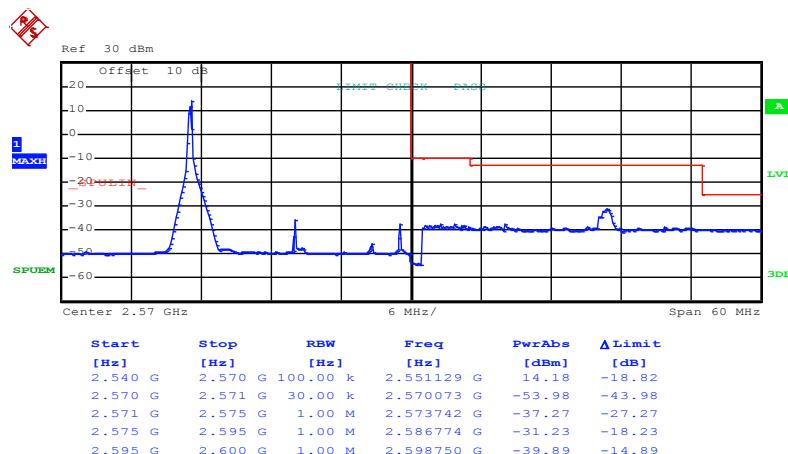
**20MHz:**

Test Mode:	LTE band 7(QPSK RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 16:33:07

**Lowest channel**

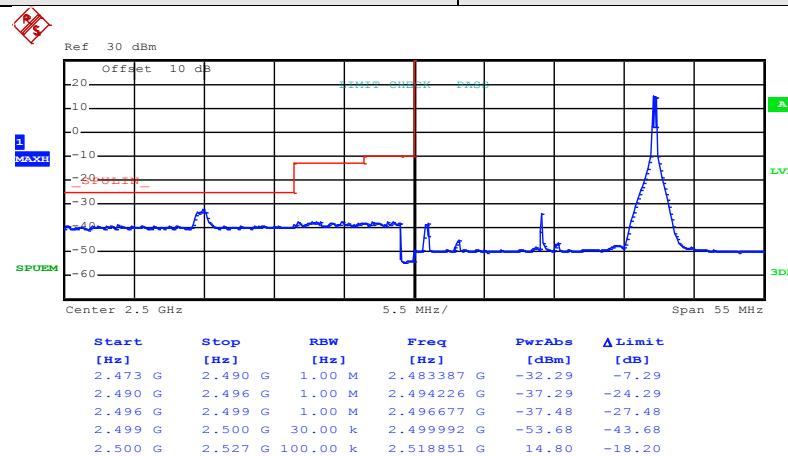


Date: 23.NOV.2015 16:34:57

**Highest channel**

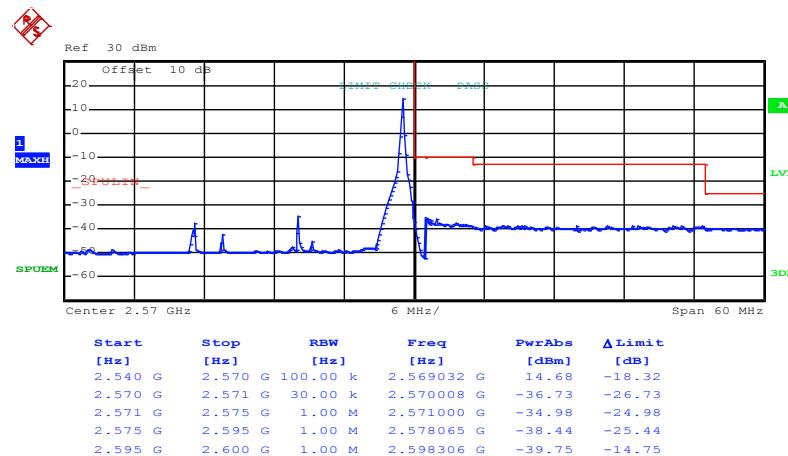
Test Mode:

LTE band 7(QPSK RB Size 1 & RB Offset 99)



Date: 23.NOV.2015 16:33:23

### Lowest channel

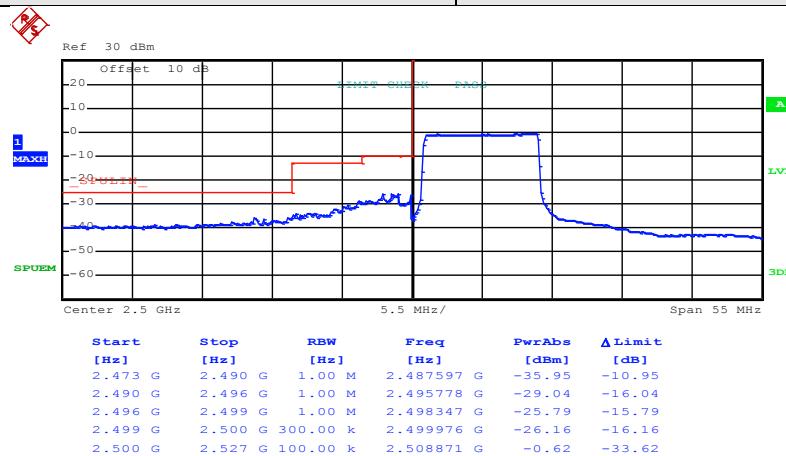


Date: 23.NOV.2015 16:35:14

### Highest channel

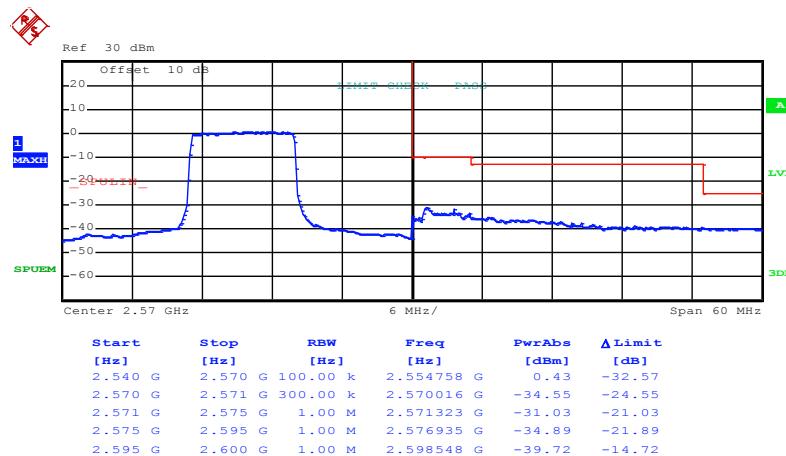
Test Mode:

LTE band 7(QPSK RB Size 50 & RB Offset 0)



Date: 23.NOV.2015 16:33:49

### Lowest channel

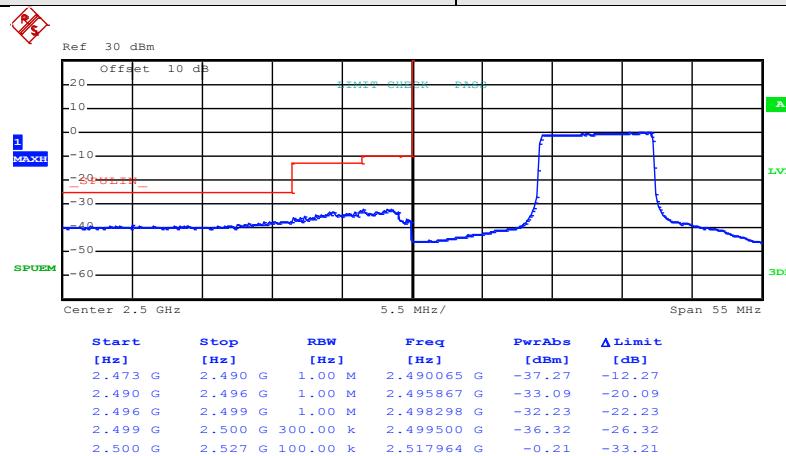


Date: 23.NOV.2015 16:35:37

### Highest channel

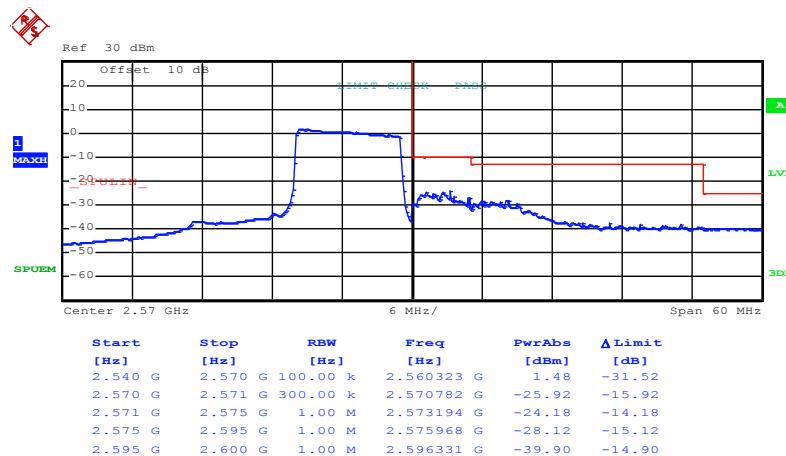
Test Mode:

LTE band 7(QPSK RB Size 50 & RB Offset 49)



Date: 23.NOV.2015 16:34:07

### Lowest channel

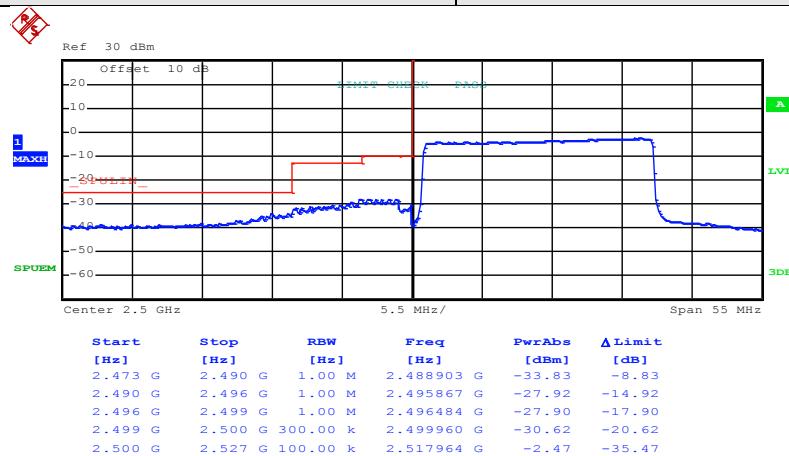


Date: 23.NOV.2015 16:35:56

### Highest channel

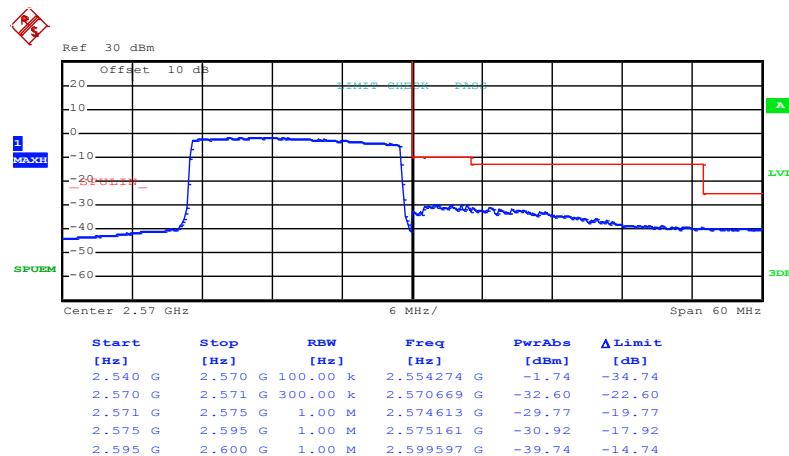
Test Mode:

LTE band 7(QPSK RB Size 100 & RB Offset 0)



Date: 23.NOV.2015 16:34:26

### Lowest channel

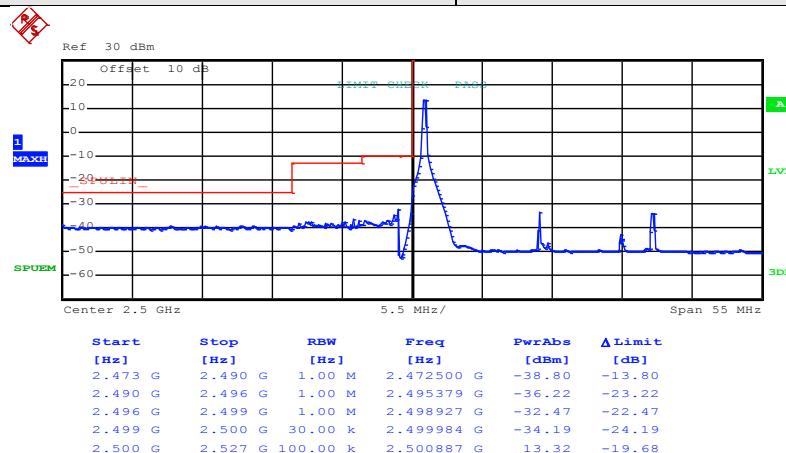


Date: 23.NOV.2015 16:36:18

### Highest channel

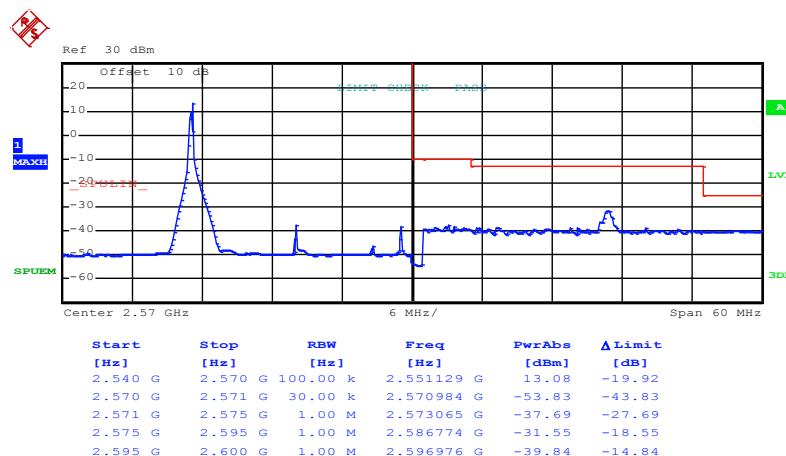
Test Mode:

LTE band 7(16QAM RB Size 1 & RB Offset 0)



Date: 23.NOV.2015 16:33:14

### Lowest channel

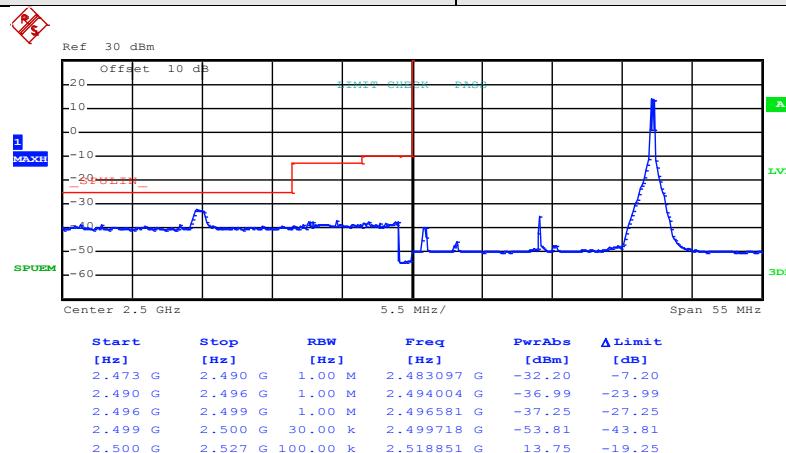


Date: 23.NOV.2015 16:35:04

### Highest channel

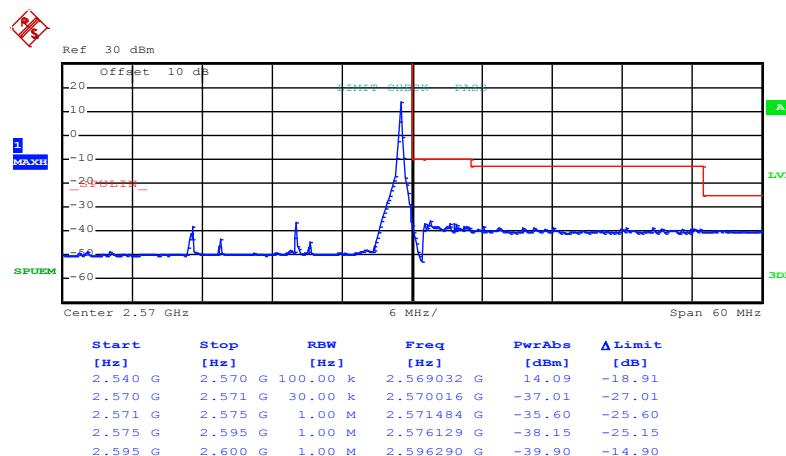
Test Mode:

LTE band 7(16QAM RB Size 1 & RB Offset 99)



Date: 23.NOV.2015 16:33:32

### Lowest channel

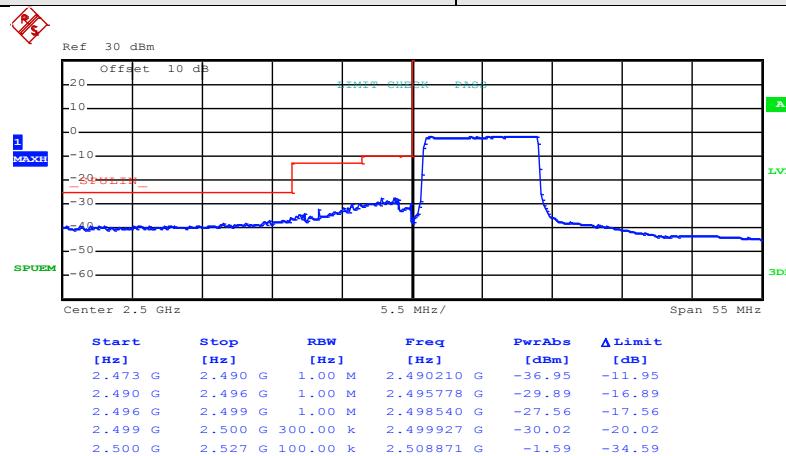


Date: 23.NOV.2015 16:35:22

### Highest channel

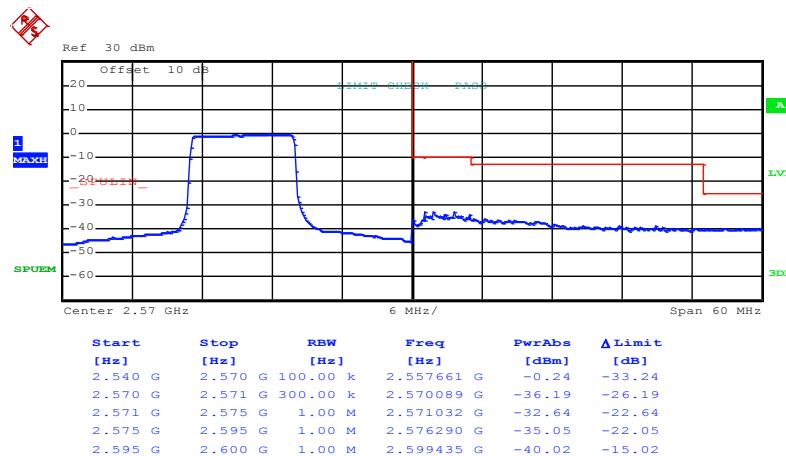
Test Mode:

LTE band 7(16QAM RB Size 50 & RB Offset 0)



Date: 23.NOV.2015 16:33:56

### Lowest channel

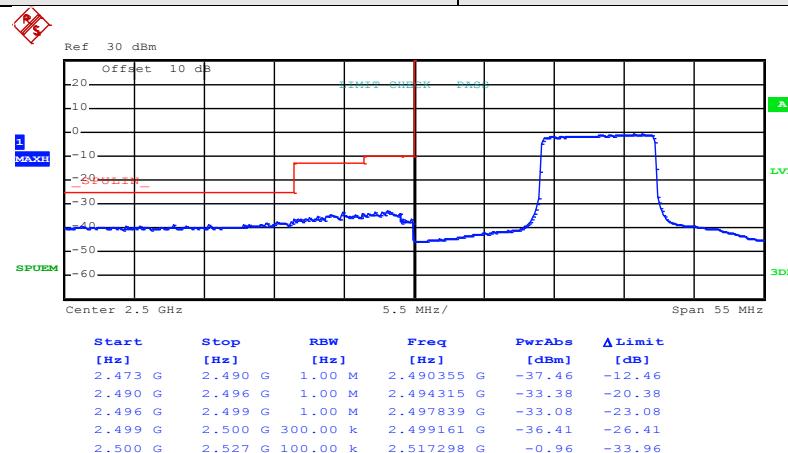


Date: 23.NOV.2015 16:35:46

### Highest channel

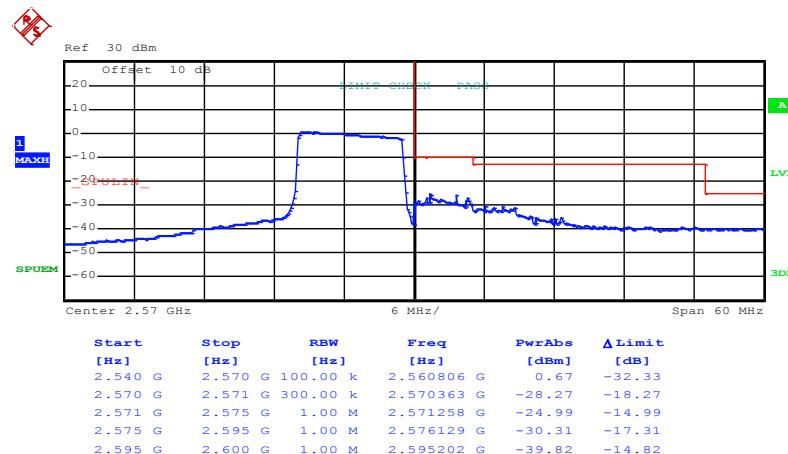
Test Mode:

LTE band 7(16QAM RB Size 50 & RB Offset 49)



Date: 23.NOV.2015 16:34:16

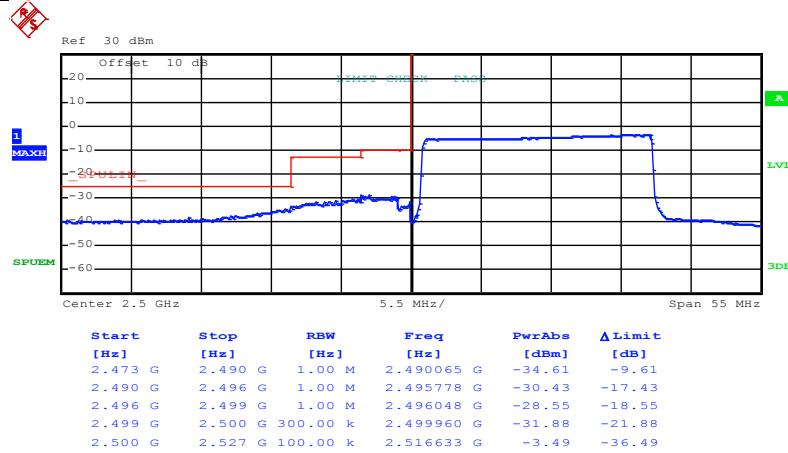
### Lowest channel



Date: 23.NOV.2015 16:36:07

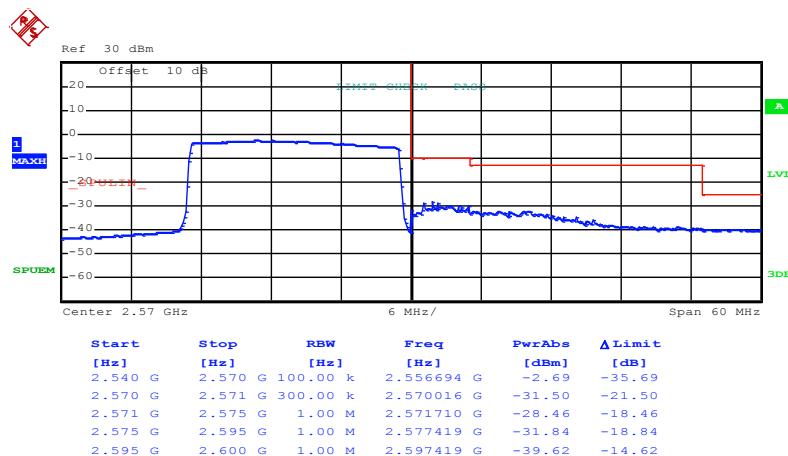
### Highest channel

Test Mode:	LTE band 7(16QAM RB Size 100 & RB Offset 0)
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Date: 23.NOV.2015 16:34:36

### Lowest channel



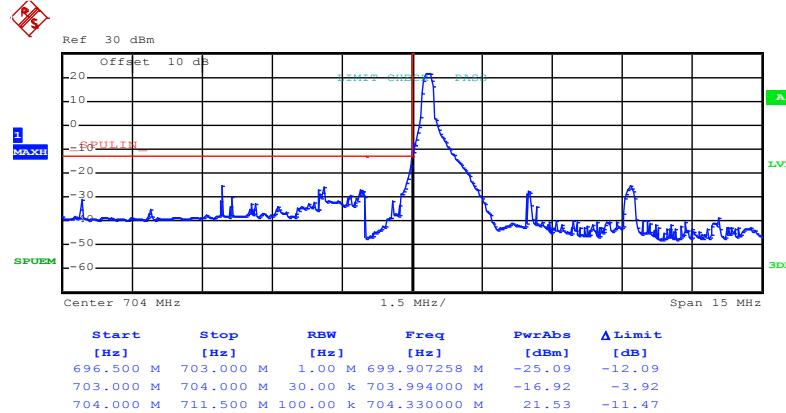
Date: 23.NOV.2015 16:36:28

### Highest channel

LTE band 17 part:

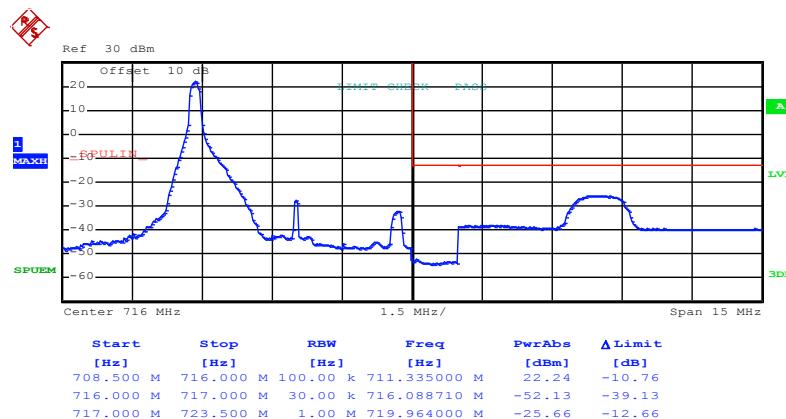
5MHz:

Test Mode:	LTE band 17(QPSK RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 16:00:07

Lowest channel

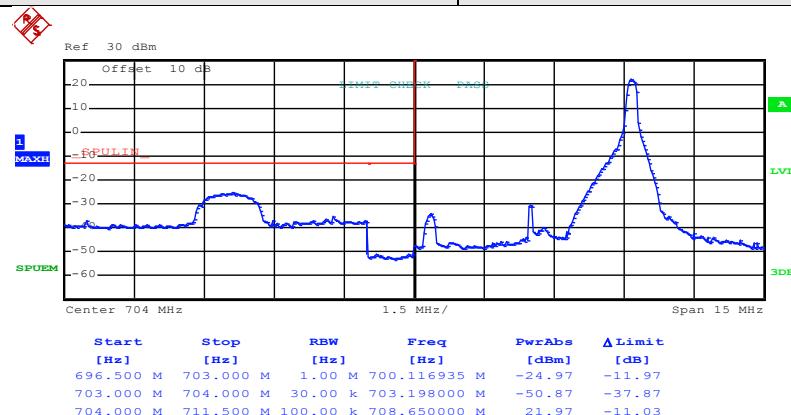


Date: 23.NOV.2015 16:01:48

Highest channel

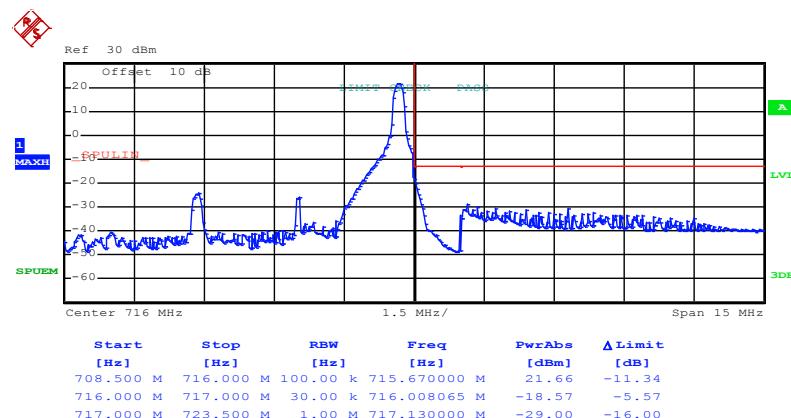
Test Mode:

LTE band 17(QPSK RB Size 1 & RB Offset 24)



Date: 23.NOV.2015 16:00:25

### Lowest channel

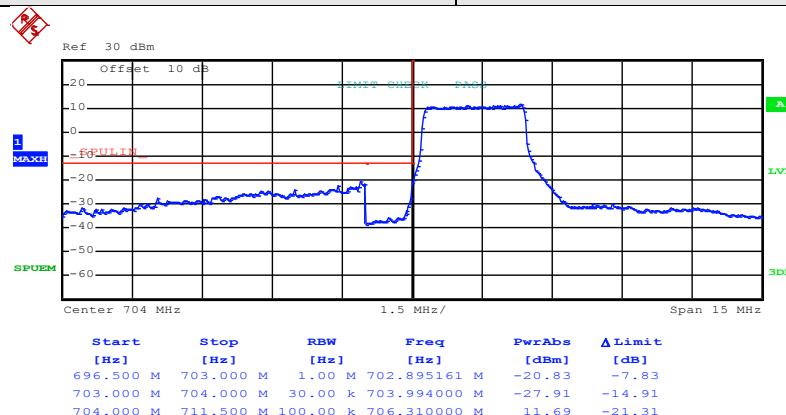


Date: 23.NOV.2015 16:02:16

### Highest channel

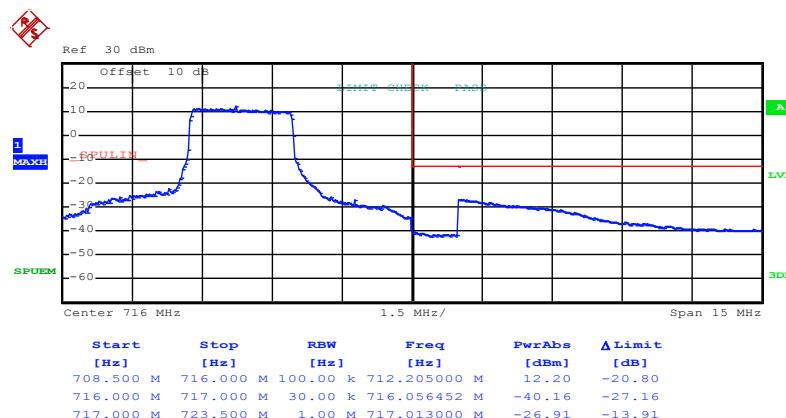
Test Mode:

LTE band 17(QPSK RB Size 12 & RB Offset 0)



Date: 23.NOV.2015 16:00:43

### Lowest channel

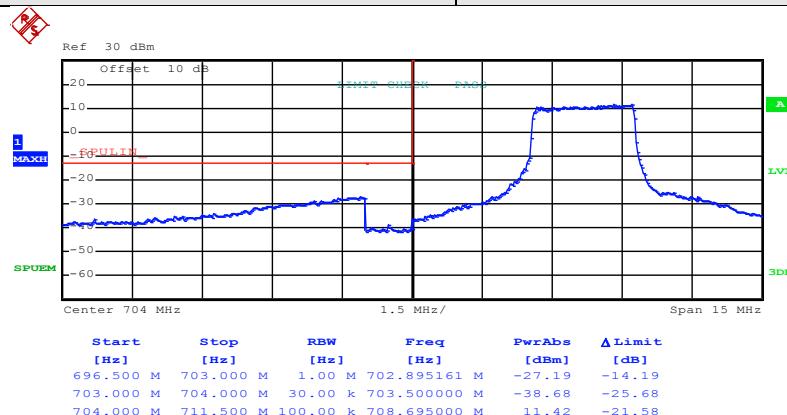


Date: 23.NOV.2015 16:02:33

### Highest channel

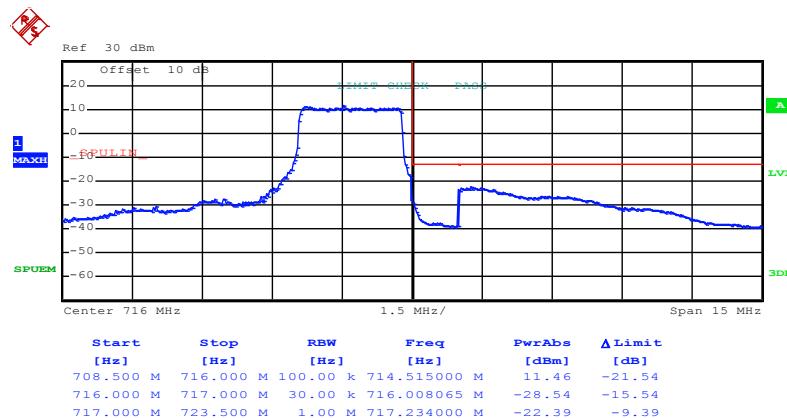
Test Mode:

LTE band 17(QPSK RB Size 12 & RB Offset 11)



Date: 23.NOV.2015 16:00:58

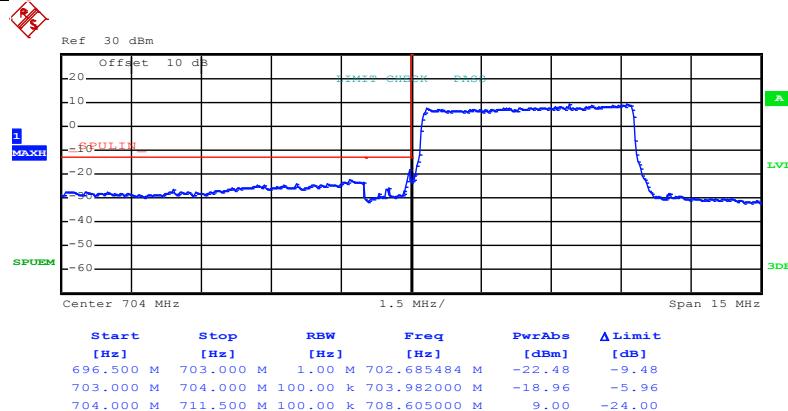
### Lowest channel



Date: 23.NOV.2015 16:02:51

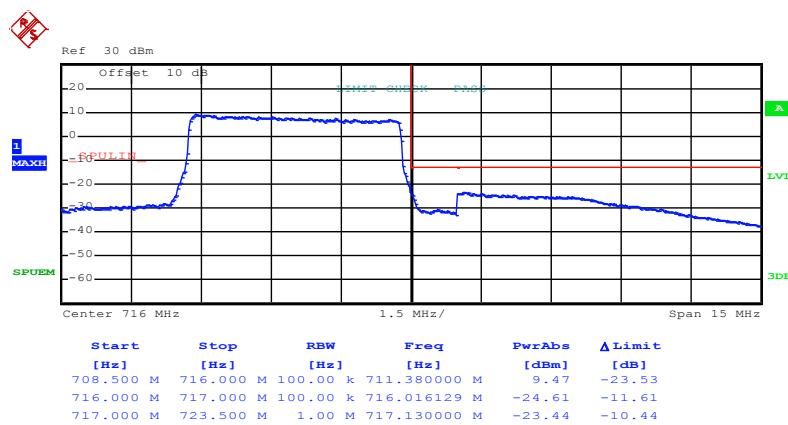
### Highest channel

Test Mode:	LTE band 17(QPSK RB Size 25 & RB Offset 0)
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Date: 23.NOV.2015 16:01:20

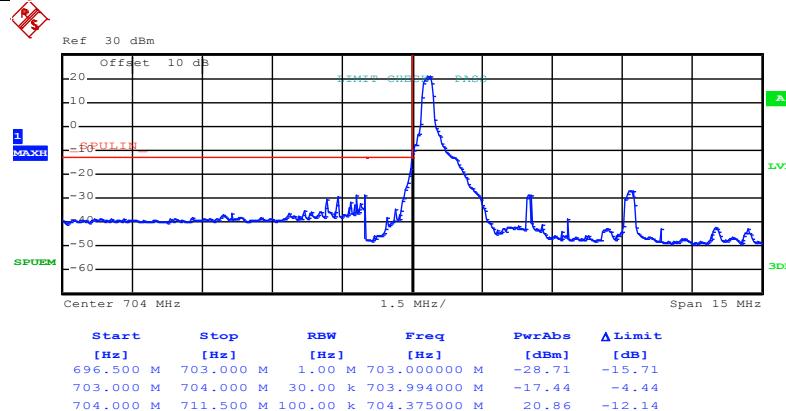
#### Lowest channel



Date: 23.NOV.2015 16:03:14

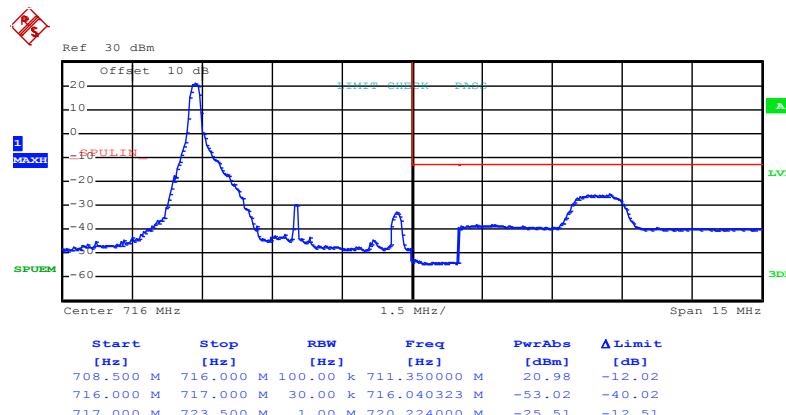
#### Highest channel

Test Mode:	LTE band 17(16QAM RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 16:00:15

### Lowest channel

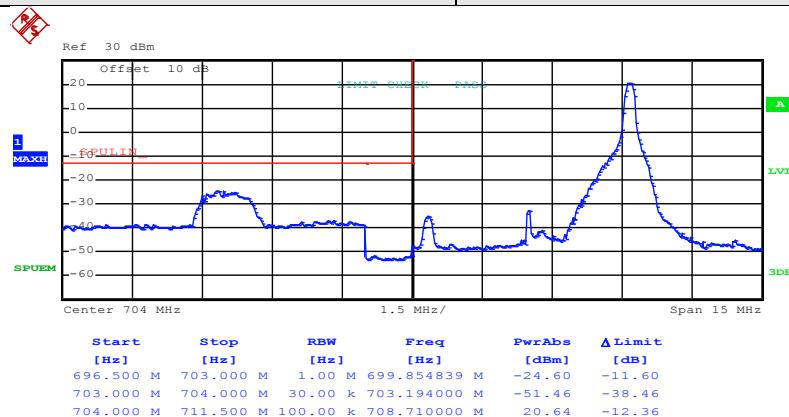


Date: 23.NOV.2015 16:01:56

### Highest channel

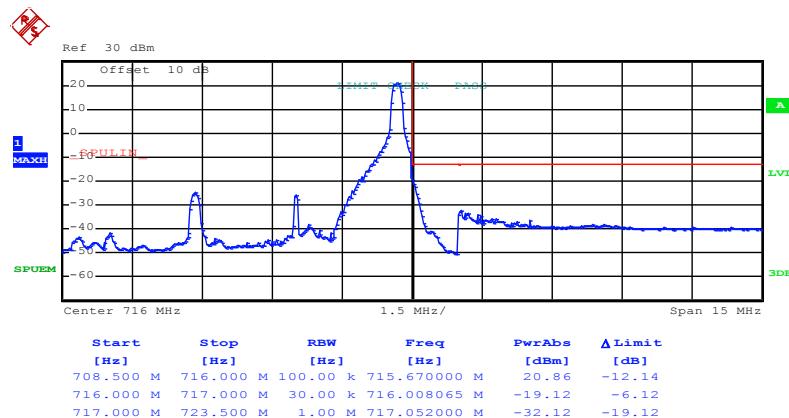
Test Mode:

LTE band 17(16QAM RB Size 1 & RB Offset 24)



Date: 23.NOV.2015 16:00:32

### Lowest channel

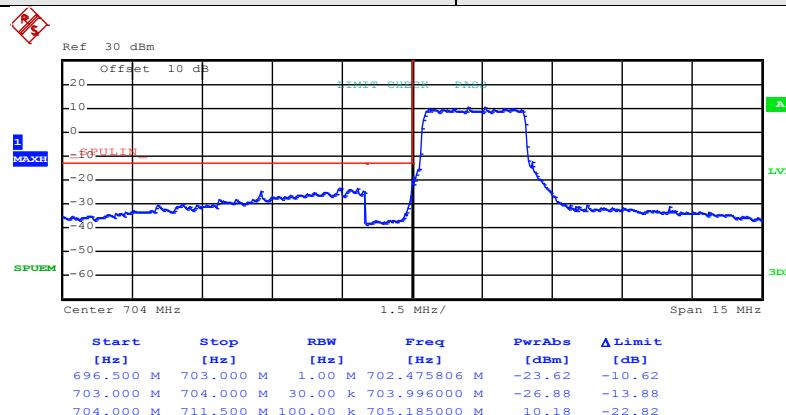


Date: 23.NOV.2015 16:02:24

### Highest channel

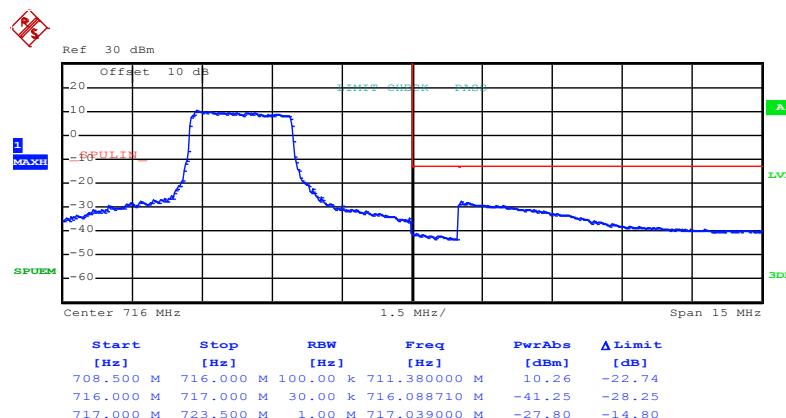
Test Mode:

LTE band 17(16QAM RB Size 12 & RB Offset 0)



Date: 23.NOV.2015 16:00:49

### Lowest channel

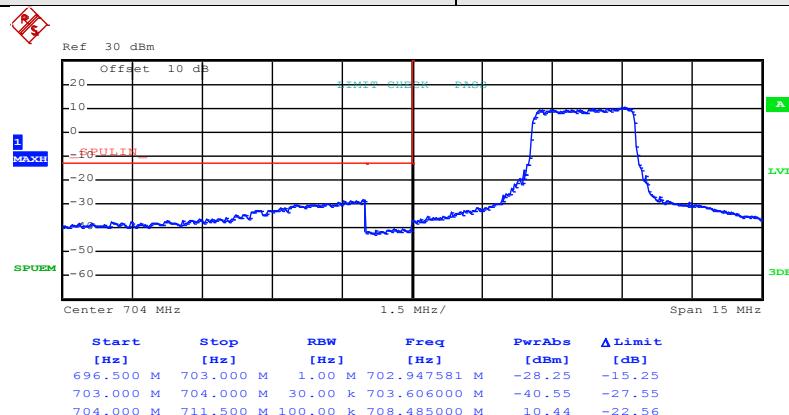


Date: 23.NOV.2015 16:02:41

### Highest channel

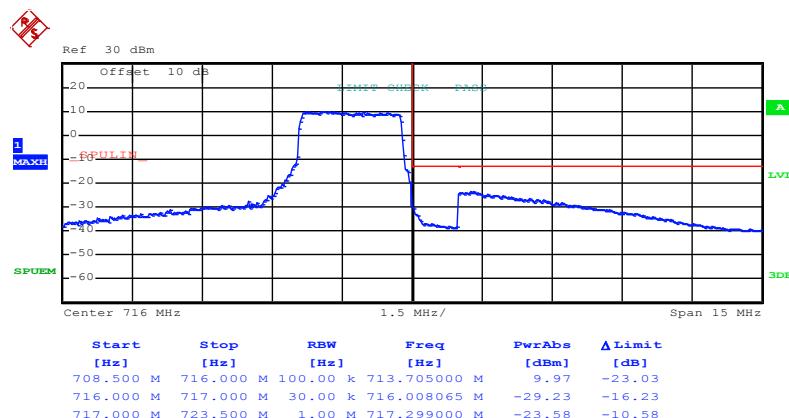
Test Mode:

LTE band 17(16QAM RB Size 12 & RB Offset 11)



Date: 23.NOV.2015 16:01:06

### Lowest channel

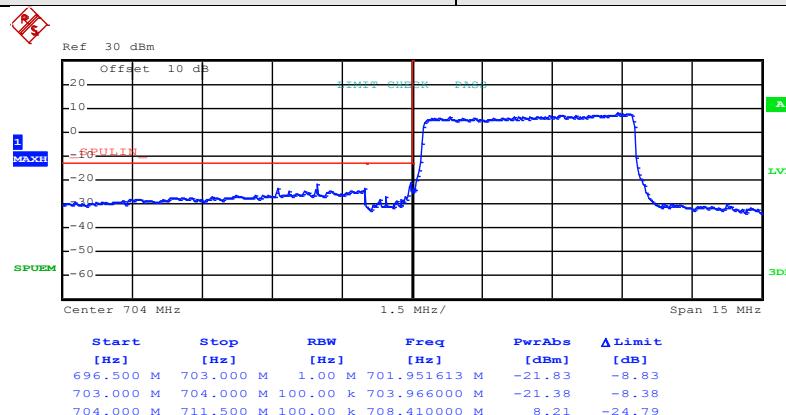


Date: 23.NOV.2015 16:02:58

### Highest channel

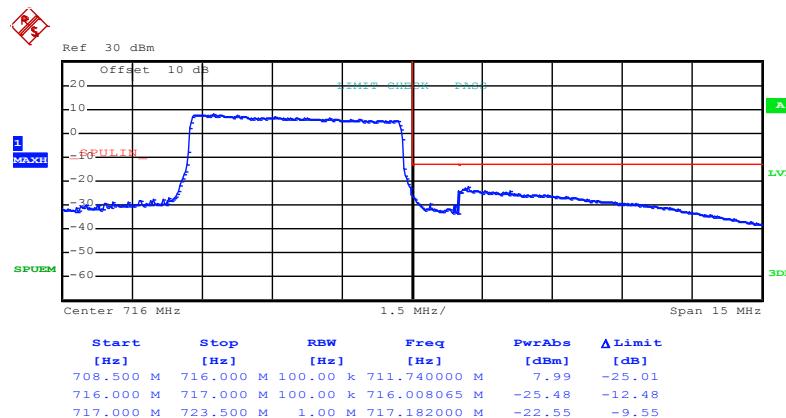
Test Mode:

LTE band 17(16QAM RB Size 25 & RB Offset 0)



Date: 23.NOV.2015 16:01:27

### Lowest channel

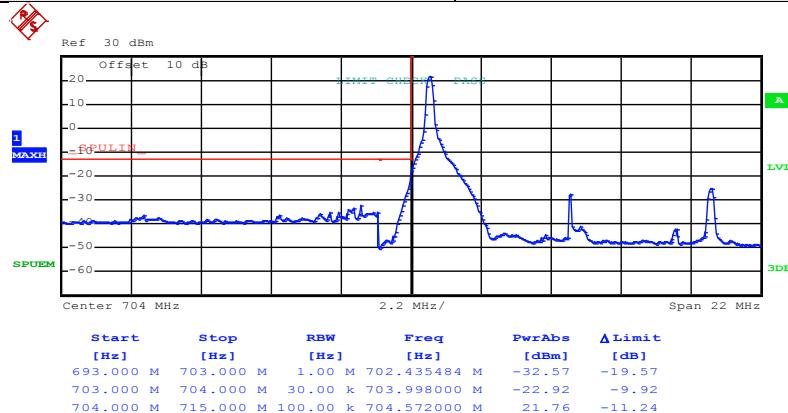


Date: 23.NOV.2015 16:03:21

### Highest channel

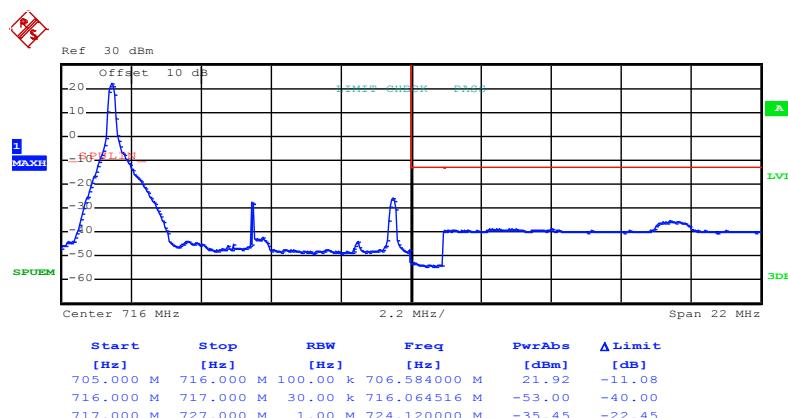
**10MHz:**

Test Mode:	LTE band 17(QPSK RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 16:04:10

**Lowest channel**

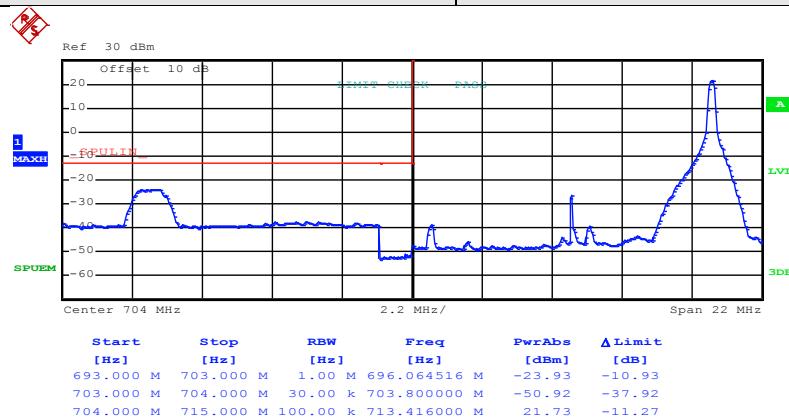


Date: 23.NOV.2015 16:06:02

**Highest channel**

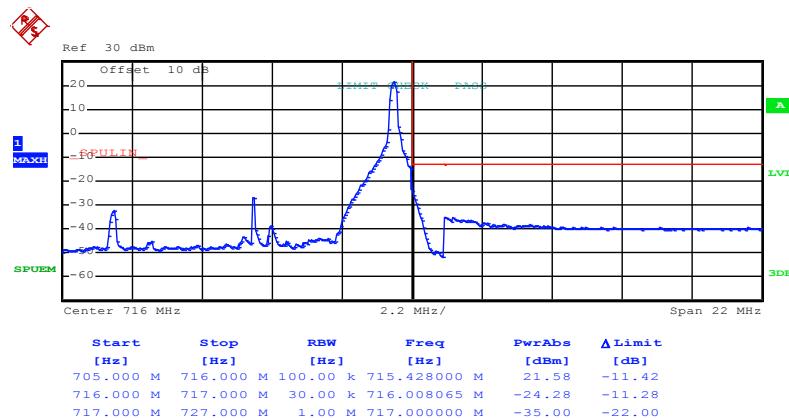
Test Mode:

LTE band 17(QPSK RB Size 1 & RB Offset 49)



Date: 23.NOV.2015 16:04:27

### Lowest channel

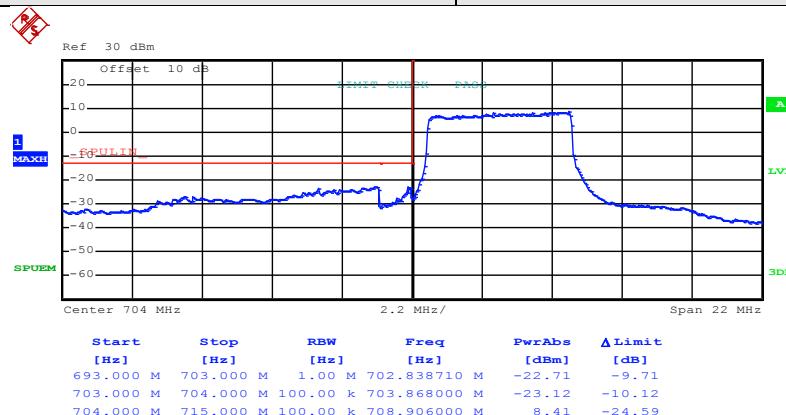


Date: 23.NOV.2015 16:06:19

### Highest channel

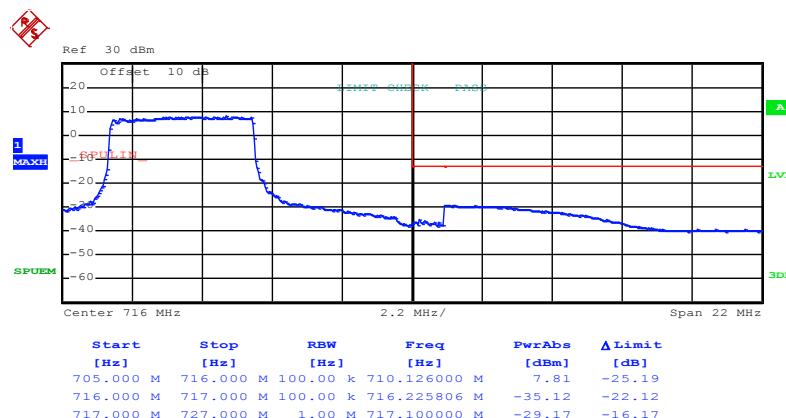
Test Mode:

LTE band 17(QPSK RB Size 25 & RB Offset 0)



Date: 23.NOV.2015 16:04:52

### Lowest channel

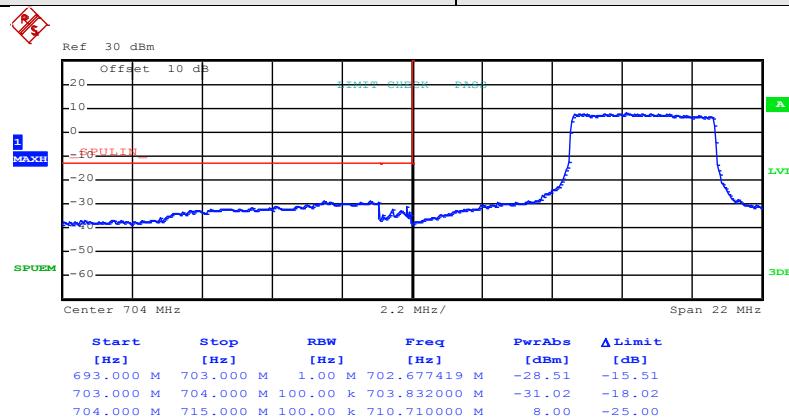


Date: 23.NOV.2015 16:06:42

### Highest channel

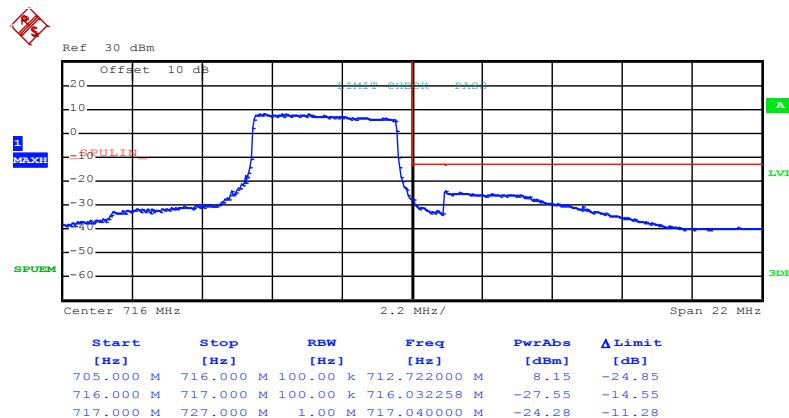
Test Mode:

LTE band 17(QPSK RB Size 25 & RB Offset 24)



Date: 23.NOV.2015 16:05:08

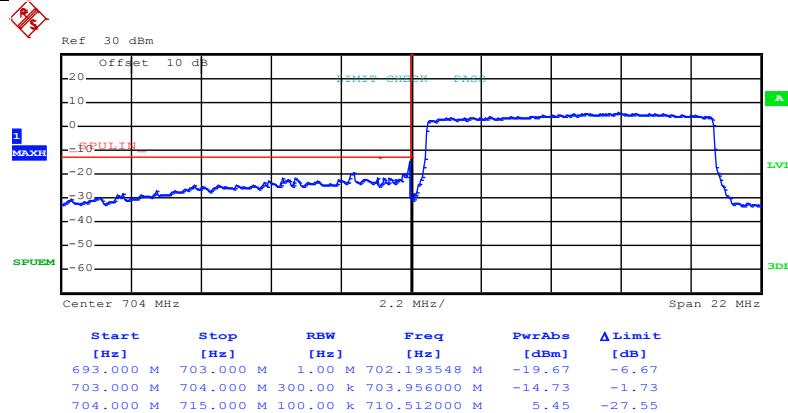
### Lowest channel



Date: 23.NOV.2015 16:06:57

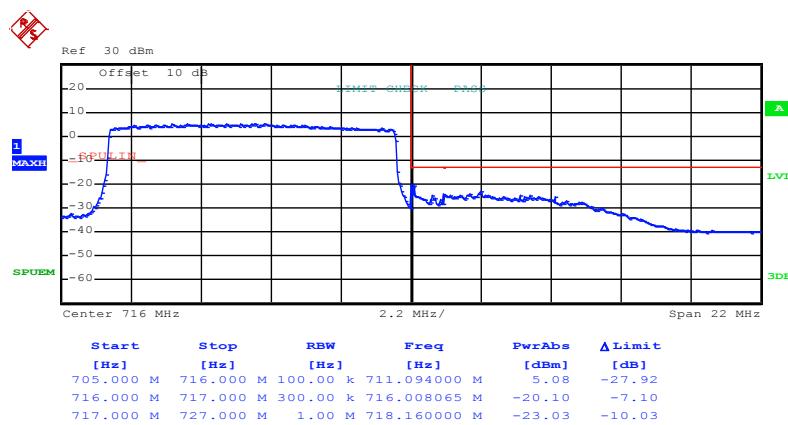
### Highest channel

Test Mode:	LTE band 17(QPSK RB Size 50 & RB Offset 0)
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Date: 23.NOV.2015 16:05:28

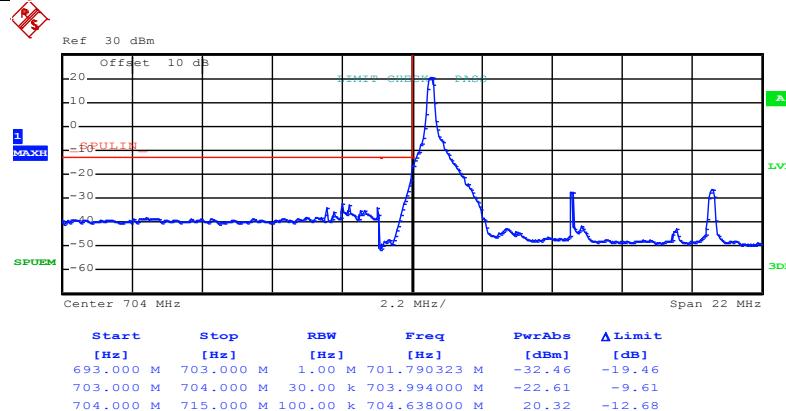
### Lowest channel



Date: 23.NOV.2015 16:07:16

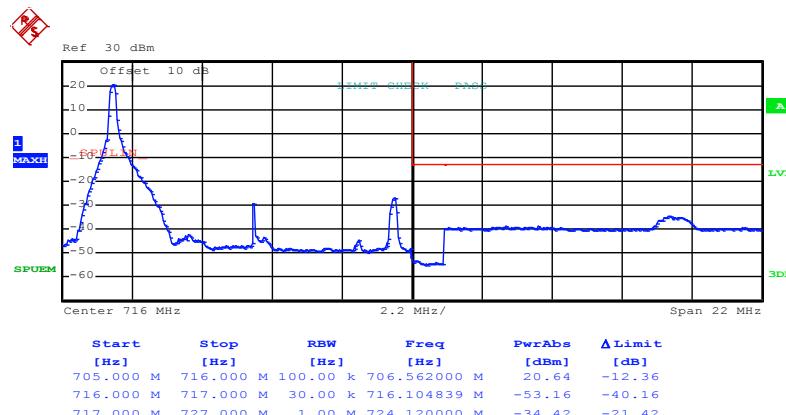
### Highest channel

Test Mode:	LTE band 17(16QAM RB Size 1 & RB Offset 0)
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Date: 23.NOV.2015 16:04:17

### Lowest channel

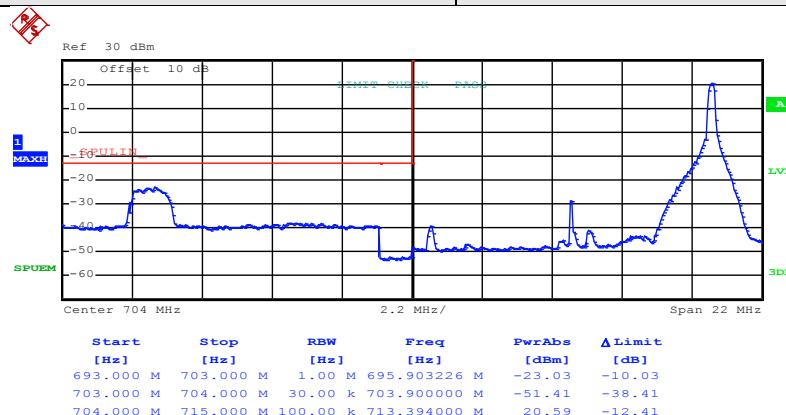


Date: 23.NOV.2015 16:06:10

### Highest channel

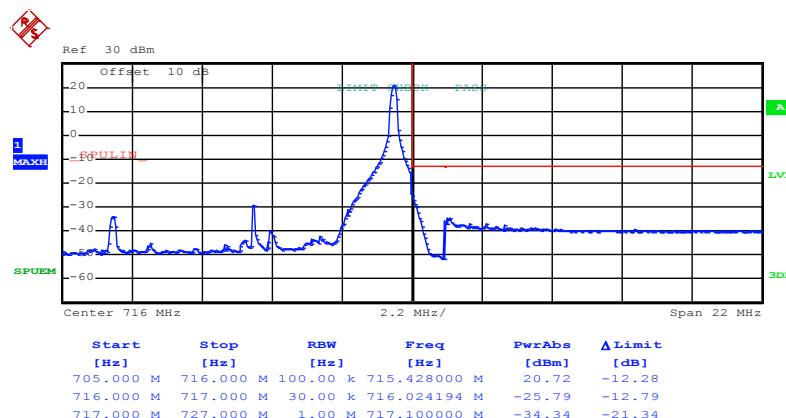
Test Mode:

LTE band 17(16QAM RB Size 1 & RB Offset 49)



Date: 23.NOV.2015 16:04:36

### Lowest channel

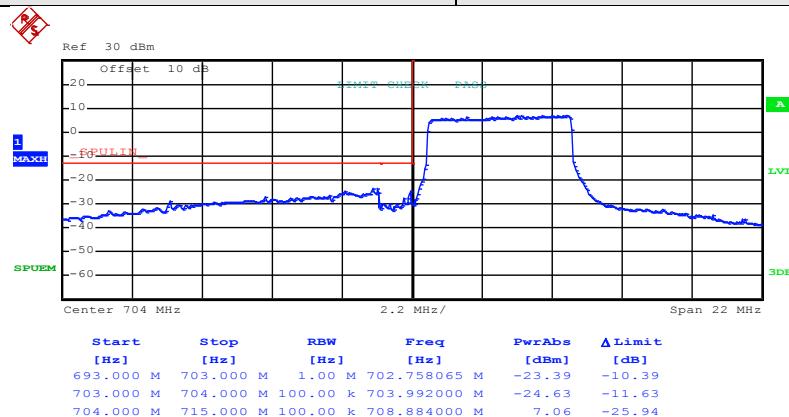


Date: 23.NOV.2015 16:06:26

### Highest channel

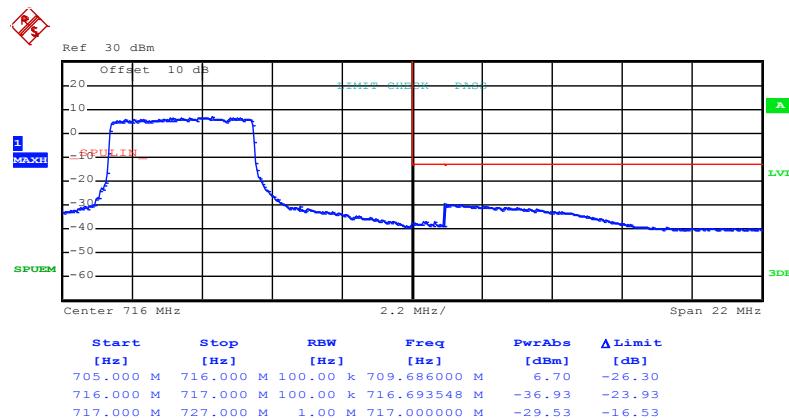
Test Mode:

LTE band 17(16QAM RB Size 25 & RB Offset 0)



Date: 23.NOV.2015 16:04:58

### Lowest channel

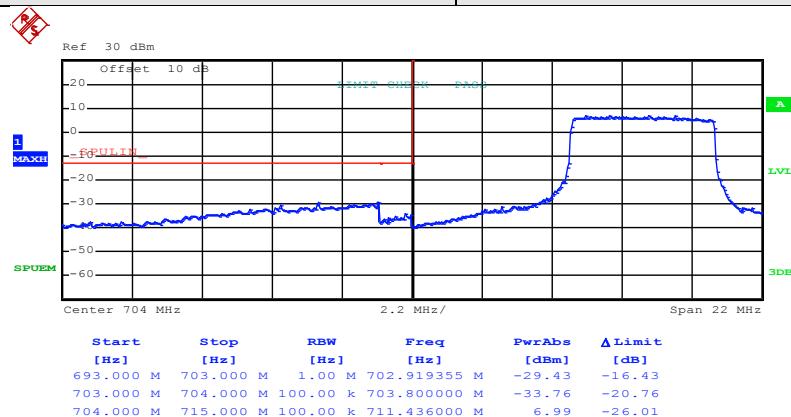


Date: 23.NOV.2015 16:06:49

### Highest channel

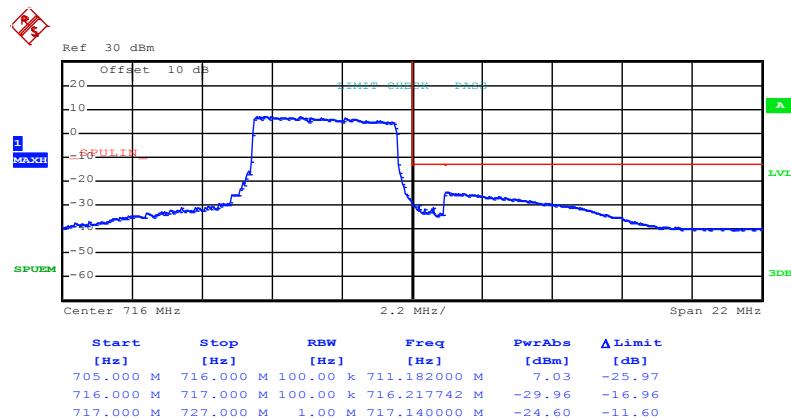
Test Mode:

LTE band 17(16QAM RB Size 25 & RB Offset 24)



Date: 23.NOV.2015 16:05:15

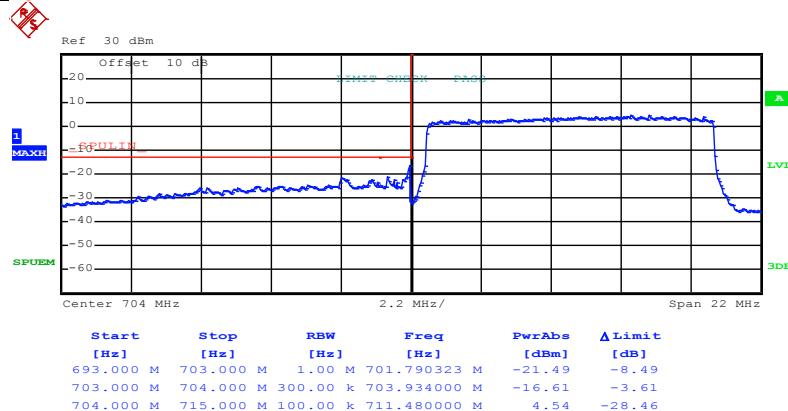
### Lowest channel



Date: 23.NOV.2015 16:07:04

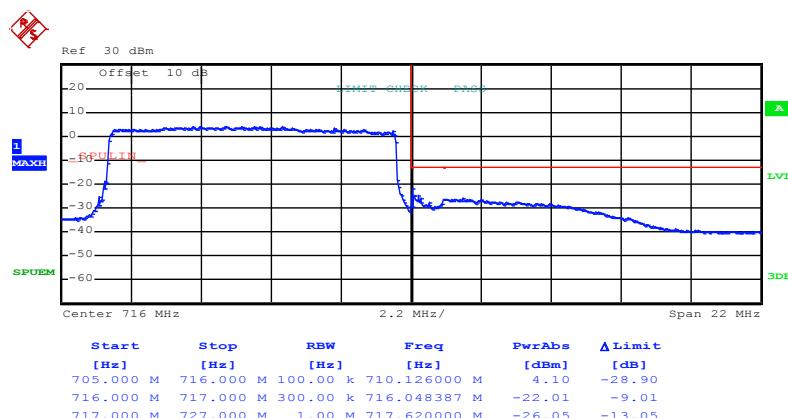
### Highest channel

Test Mode:	LTE band 17(16QAM RB Size 50 & RB Offset 0)
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Date: 23.NOV.2015 16:05:34

### Lowest channel



Date: 23.NOV.2015 16:07:21

### Highest channel

## 6.10 ERP, EIRP Measurement

Test Requirement:	FCC part 24.232 (c), part 27.50(c), part 27.50(d) and part 27.50(h)
Test Method:	FCC part 2.1046
Limit:	LTE Band 2: 2W EIRP LTE Band 4: 1W EIRP LTE Band 7: 2W EIRP LTE Band 17: 3W EIRP
Test setup:	<p>Below 1GHz</p> <p>Above 1GHz</p> <p>Substituted method:</p>

Test Procedure:	<ol style="list-style-type: none"><li>1. The EUT was placed on a non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.</li><li>2. During the measurement, the EUT was communicating with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated.</li><li>3. EIRP in frequency band 1850.7 –1909.3MHz, 1710.7-1754.3 MHz and 706.5-713.5 MHz were measured using a substitution method. The EUT was replaced by a horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows: <math display="block">\text{EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable Loss (dB)}</math></li><li>4. The worse case was relating to the conducted output power.</li></ol>
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

## Measurement Data (worst case)

**LTE band 2 part****Lowest channel**

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
1850.70	18607	QPSK	1.4	H	V	17.95	33.00	Pass
					H	12.82		
1850.70	18607	16QAM	1.4	H	V	17.98	33.00	Pass
					H	12.63		
1.4MHz(RB size 3 & RB offset 0)								
1850.70	18607	QPSK	1.4	H	V	18.08	33.00	Pass
					H	12.77		
1850.70	18607	16QAM	1.4	H	V	17.89	33.00	Pass
					H	12.66		
1.4MHz(RB size 6 & RB offset 0)								
1850.70	18607	QPSK	1.4	H	V	17.38	33.00	Pass
					H	11.65		
1850.70	18607	16QAM	1.4	H	V	17.44	33.00	Pass
					H	12.08		

**Middle channel**

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
1880.00	18900	QPSK	1.4	H	V	17.33	33.00	Pass
					H	13.35		
1880.00	18900	16QAM	1.4	H	V	16.94	33.00	Pass
					H	13.31		
1.4MHz(RB size 3 & RB offset 0)								
1880.00	18900	QPSK	1.4	H	V	17.34	33.00	Pass
					H	13.56		
1880.00	18900	16QAM	1.4	H	V	17.21	33.00	Pass
					H	13.78		
1.4MHz(RB size 6 & RB offset 0)								
1880.00	18900	QPSK	1.40	H	V	16.69	33.00	Pass
					H	12.81		
1880.00	18900	16QAM	1.40	H	V	16.38	33.00	Pass
					H	12.66		

**Highest channel**

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
1909.30	19193	QPSK	1.4	H	V	17.25	33.00	Pass
					H	13.21		
1909.30	19193	16QAM	1.4	H	V	16.85	33.00	Pass
					H	13.20		
1.4MHz(RB size 3 & RB offset 0)								
1909.30	19193	QPSK	1.4	H	V	17.10	33.00	Pass
					H	13.24		
1909.30	19193	16QAM	1.4	H	V	17.17	33.00	Pass
					H	13.69		
1.4MHz(RB size 6 & RB offset 0)								
1909.30	19193	QPSK	1.4	H	V	16.52	33.00	Pass
					H	12.47		
1909.30	19193	16QAM	1.4	H	V	16.24	33.00	Pass
					H	12.47		

**Lowest channel**

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
1860.00	18700	QPSK	20	H	V	17.52	33.00	Pass
					H	13.85		
1860.00	18700	16QAM	20	H	V	17.74	33.00	Pass
					H	14.68		
20MHz(RB size 50 & RB offset 0)								
1860.00	18700	QPSK	20	H	V	15.25	33.00	Pass
					H	11.57		
1860.00	18700	16QAM	20	H	V	15.25	33.00	Pass
					H	12.05		
20MHz(RB size 100 & RB offset 0)								
1860.00	18700	QPSK	20	H	V	12.36	33.00	Pass
					H	9.41		
1860.00	18700	16QAM	20	H	V	13.54	33.00	Pass
					H	9.91		

### Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
1880.00	18900	QPSK	20	H	V	17.63	33.00	Pass
					H	13.91		
1880.00	18900	16QAM	20	H	V	17.88	33.00	Pass
					H	14.71		
20MHz(RB size 50 & RB offset 0)								
1880.00	18900	QPSK	20	H	V	15.37	33.00	Pass
					H	11.70		
1880.00	18900	16QAM	20	H	V	15.37	33.00	Pass
					H	12.16		
20MHz(RB size 100 & RB offset 0)								
1880.00	18900	QPSK	20	H	V	12.74	33.00	Pass
					H	9.35		
1880.00	18900	16QAM	20	H	V	13.35	33.00	Pass
					H	9.93		

### Highest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
1900.00	19100	QPSK	20	H	V	17.64	33.00	Pass
					H	13.22		
1900.00	19100	16QAM	20	H	V	17.54	33.00	Pass
					H	14.63		
20MHz(RB size 50 & RB offset 0)								
1900.00	19100	QPSK	20	H	V	15.35	33.00	Pass
					H	11.41		
1900.00	19100	16QAM	20	H	V	15.36	33.00	Pass
					H	12.04		
20MHz(RB size 100 & RB offset 0)								
1900.00	19100	QPSK	20	H	V	12.68	33.00	Pass
					H	9.54		
1900.00	19100	16QAM	20	H	V	13.74	33.00	Pass
					H	9.58		

**LTE band 4 part****Lowest channel**

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
1710.70	19957	QPSK	1.4	H	V	20.14	30.00	Pass
					H	13.87		
1710.70	19957	16QAM	1.4	H	V	20.25	30.00	Pass
					H	13.78		
1.4MHz(RB size 3 & RB offset 0)								
1710.70	19957	QPSK	1.4	H	V	20.36	30.00	Pass
					H	13.27		
1710.70	19957	16QAM	1.4	H	V	20.31	30.00	Pass
					H	14.00		
1.4MHz(RB size 6 & RB offset 0)								
1710.70	19957	QPSK	1.4	H	V	19.87	30.00	Pass
					H	13.01		
1710.70	19957	16QAM	1.4	H	V	19.54	30.00	Pass
					H	12.88		

**Middle channel**

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
1732.50	20175	QPSK	1.4	H	V	20.49	30.00	Pass
					H	13.89		
1732.50	20175	16QAM	1.4	H	V	20.32	30.00	Pass
					H	13.85		
1.4MHz(RB size 3 & RB offset 0)								
1732.50	20175	QPSK	1.4	H	V	20.40	30.00	Pass
					H	13.54		
1732.50	20175	16QAM	1.4	H	V	20.39	30.00	Pass
					H	14.03		
1.4MHz(RB size 6 & RB offset 0)								
1732.50	20175	QPSK	1.4	H	V	19.92	30.00	Pass
					H	13.05		
1732.50	20175	16QAM	1.4	H	V	19.60	30.00	Pass
					H	12.97		

### Highest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
1754.30	20393	QPSK	1.4	H	V	20.14	30.00	Pass
					H	13.54		
1754.30	20393	16QAM	1.4	H	V	20.25	30.00	Pass
					H	13.77		
1.4MHz(RB size 3 & RB offset 0)								
1754.30	20393	QPSK	1.4	H	V	20.36	30.00	Pass
					H	13.41		
1754.30	20393	16QAM	1.4	H	V	20.27	30.00	Pass
					H	13.98		
1.4MHz(RB size 6 & RB offset 0)								
1754.30	20393	QPSK	1.4	H	V	19.67	30.00	Pass
					H	12.96		
1754.30	20393	16QAM	1.4	H	V	19.58	30.00	Pass
					H	12.87		

### Lowest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
1720.00	20050	QPSK	20	H	V	20.26	30.00	Pass
					H	13.80		
1720.00	20050	16QAM	20	H	V	20.50	30.00	Pass
					H	14.18		
20MHz(RB size 50 & RB offset 0)								
1720.00	20050	QPSK	20	H	V	18.39	30.00	Pass
					H	11.64		
1720.00	20050	16QAM	20	H	V	18.71	30.00	Pass
					H	12.33		
20MHz(RB size 100 & RB offset 0)								
1720.00	20050	QPSK	20	H	V	16.60	30.00	Pass
					H	9.84		
1720.00	20050	16QAM	20	H	V	16.54	30.00	Pass
					H	10.31		

### Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
1732.50	20175	QPSK	20	H	V	20.54	30.00	Pass
					H	13.82		
1732.50	20175	16QAM	20	H	V	20.54	30.00	Pass
					H	14.26		
20MHz(RB size 50 & RB offset 0)								
1732.50	20175	QPSK	20	H	V	18.45	30.00	Pass
					H	11.67		
1732.50	20175	16QAM	20	H	V	18.75	30.00	Pass
					H	12.34		
20MHz(RB size 100 & RB offset 0)								
1732.50	20175	QPSK	20	H	V	16.64	30.00	Pass
					H	9.90		
1732.50	20175	16QAM	20	H	V	16.59	30.00	Pass
					H	10.39		

### High channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
1745.00	20300	QPSK	20	H	V	20.35	30.00	Pass
					H	13.73		
1745.00	20300	16QAM	20	H	V	20.46	30.00	Pass
					H	14.36		
20MHz(RB size 50 & RB offset 0)								
1745.00	20300	QPSK	20	H	V	18.43	30.00	Pass
					H	11.54		
1745.00	20300	16QAM	20	H	V	18.64	30.00	Pass
					H	12.26		
20MHz(RB size 100 & RB offset 0)								
1745.00	20300	QPSK	20	H	V	16.54	30.00	Pass
					H	9.87		
1745.00	20300	16QAM	20	H	V	16.52	30.00	Pass
					H	10.31		

**LTE band 7 part**

**Lowest channel**

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
2502.50	20775	QPSK	5	H	V	12.00	33.00	Pass
					H	7.52		
2502.50	20775	16QAM	5	H	V	11.94	33.00	Pass
					H	7.51		
1.4MHz(RB size 12 & RB offset 0)								
2502.50	20775	QPSK	5	H	V	10.78	33.00	Pass
					H	6.20		
2502.50	20775	16QAM	5	H	V	10.63	33.00	Pass
					H	6.87		
1.4MHz(RB size 25 & RB offset 0)								
2502.50	20775	QPSK	5	H	V	11.72	33.00	Pass
					H	7.28		
2502.50	20775	16QAM	5	H	V	11.98	33.00	Pass
					H	8.50		

**Middle channel**

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
2535.00	21100	QPSK	5	H	V	12.02	33.00	Pass
					H	7.56		
2535.00	21100	16QAM	5	H	V	11.99	33.00	Pass
					H	7.55		
1.4MHz(RB size 12 & RB offset 0)								
2535.00	21100	QPSK	5	H	V	10.81	33.00	Pass
					H	6.25		
2535.00	21100	16QAM	5	H	V	10.65	33.00	Pass
					H	6.90		
1.4MHz(RB size 25 & RB offset 0)								
2535.00	21100	QPSK	5	H	V	11.77	33.00	Pass
					H	7.31		
2535.00	21100	16QAM	5	H	V	12.03	33.00	Pass
					H	8.53		

### Highest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
2567.50	21425	QPSK	5	H	V	11.98	33.00	Pass
					H	7.41		
2567.50	21425	16QAM	5	H	V	11.83		
					H	7.42		
1.4MHz(RB size 12 & RB offset 0)								
2567.50	21425	QPSK	5	H	V	10.74	33.00	Pass
					H	6.19		
2567.50	21425	16QAM	5	H	V	10.57		
					H	6.85		
1.4MHz(RB size 25 & RB offset 0)								
2567.50	21425	QPSK	5	H	V	11.69	33.00	Pass
					H	7.27		
2567.50	21425	16QAM	5	H	V	11.93		
					H	8.42		

### Lowest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
2510.00	20850	QPSK	20	H	V	12.52	33.00	Pass
					H	7.27		
2510.00	20850	16QAM	20	H	V	12.76		
					H	7.90		
20MHz(RB size 50 & RB offset 0)								
2510.00	20850	QPSK	20	H	V	10.51	33.00	Pass
					H	6.15		
2510.00	20850	16QAM	20	H	V	10.92		
					H	6.60		
20MHz(RB size 100 & RB offset 0)								
2510.00	20850	QPSK	20	H	V	8.88	33.00	Pass
					H	4.73		
2510.00	20850	16QAM	20	H	V	8.60		
					H	5.10		

### Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
2535.00	21100	QPSK	20	H	V	12.56	33.00	Pass
					H	7.29		
2535.00	21100	16QAM	20	H	V	12.78	33.00	Pass
					H	7.95		
20MHz(RB size 50 & RB offset 0)								
2535.00	21100	QPSK	20	H	V	10.57	33.00	Pass
					H	6.17		
2535.00	21100	16QAM	20	H	V	10.96	33.00	Pass
					H	6.63		
20MHz(RB size 100 & RB offset 0)								
2535.00	21100	QPSK	20	H	V	8.90	33.00	Pass
					H	4.78		
2535.00	21100	16QAM	20	H	V	8.63	33.00	Pass
					H	5.12		

### High channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
2560.00	21350	QPSK	20	H	V	12.45	33.00	Pass
					H	7.21		
2560.00	21350	16QAM	20	H	V	12.73	33.00	Pass
					H	7.89		
20MHz(RB size 50 & RB offset 0)								
2560.00	21350	QPSK	20	H	V	10.42	33.00	Pass
					H	6.14		
2560.00	21350	16QAM	20	H	V	10.87	33.00	Pass
					H	6.57		
20MHz(RB size 100 & RB offset 0)								
2560.00	21350	QPSK	20	H	V	8.86	33.00	Pass
					H	4.66		
2560.00	21350	16QAM	20	H	V	8.52	33.00	Pass
					H	5.10		

**LTE band 17 part  
Lowest channel**

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
5MHz(RB size 1 & RB offset 0)								
706.50	23755	QPSK	5	H	V	19.41	34.77	Pass
					H	17.20		
706.50	23755	16QAM	5	H	V	19.55	34.77	Pass
					H	17.22		
5MHz(RB size 12 & RB offset 0)								
706.50	23755	QPSK	5	H	V	18.87	34.77	Pass
					H	16.81		
706.50	23755	16QAM	5	H	V	18.97	34.77	Pass
					H	16.92		
5MHz(RB size 25 & RB offset 0)								
706.50	23755	QPSK	5	H	V	18.43	34.77	Pass
					H	16.50		
706.50	23755	16QAM	5	H	V	18.98	34.77	Pass
					H	16.86		

**Middle channel**

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
5MHz(RB size 1 & RB offset 0)								
710.00	23790	QPSK	5	H	V	19.46	34.77	Pass
					H	17.22		
710.00	23790	16QAM	5	H	V	19.59	34.77	Pass
					H	17.27		
5MHz(RB size 12 & RB offset 0)								
710.00	23790	QPSK	5	H	V	18.90	34.77	Pass
					H	16.84		
710.00	23790	16QAM	5	H	V	18.99	34.77	Pass
					H	16.97		
5MHz(RB size 25 & RB offset 0)								
710.00	23790	QPSK	5	H	V	18.47	34.77	Pass
					H	16.53		
710.00	23790	16QAM	5	H	V	19.02	34.77	Pass
					H	16.91		

### Highest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
5MHz(RB size 1 & RB offset 0)								
713.50	23825	QPSK	5	H	V	19.37	34.77	Pass
					H	17.18		
713.50	23825	16QAM	5	H	V	19.48	34.77	Pass
					H	17.18		
5MHz(RB size 12 & RB offset 0)								
713.50	23825	QPSK	5	H	V	18.83	34.77	Pass
					H	16.75		
713.50	23825	16QAM	5	H	V	18.90	34.77	Pass
					H	16.94		
5MHz(RB size 25 & RB offset 0)								
713.50	23825	QPSK	5	H	V	18.34	34.77	Pass
					H	16.47		
713.50	23825	16QAM	5	H	V	18.92	34.77	Pass
					H	16.88		

### Lowest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
10MHz(RB size 1 & RB offset 0)								
709.00	23780	QPSK	10	H	V	19.32	34.77	Pass
					H	17.00		
709.00	23780	16QAM	10	H	V	19.48	34.77	Pass
					H	17.20		
10MHz(RB size 25 & RB offset 0)								
709.00	23780	QPSK	10	H	V	18.98	34.77	Pass
					H	16.75		
709.00	23780	16QAM	10	H	V	17.70	34.77	Pass
					H	16.41		
10MHz(RB size 50 & RB offset 0)								
709.00	23780	QPSK	10	H	V	17.14	34.77	Pass
					H	15.29		
709.00	23780	16QAM	10	H	V	18.24	34.77	Pass
					H	15.87		

### Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
10MHz(RB size 1 & RB offset 0)								
710.00	23790	QPSK	10	H	V	19.35	34.77	Pass
					H	17.07		
710.00	23790	16QAM	10	H	V	19.53	34.77	Pass
					H	17.25		
10MHz(RB size 25 & RB offset 0)								
710.00	23790	QPSK	10	H	V	19.02	34.77	Pass
					H	16.80		
710.00	23790	16QAM	10	H	V	18.74		
					H	16.43		
10MHz(RB size 50 & RB offset 0)								
710.00	23790	QPSK	10	H	V	17.16	34.77	Pass
					H	15.32		
710.00	23790	16QAM	10	H	V	18.28		
					H	15.90		

### Highest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
10MHz(RB size 1 & RB offset 0)								
711.00	23800	QPSK	10	H	V	19.27	34.77	Pass
					H	16.91		
711.00	23800	16QAM	10	H	V	19.47		
					H	17.11		
10MHz(RB size 25 & RB offset 0)								
711.00	23800	QPSK	10	H	V	18.93	34.77	Pass
					H	16.71		
711.00	23800	16QAM	10	H	V	18.65		
					H	16.34		
10MHz(RB size 50 & RB offset 0)								
711.00	23800	QPSK	10	H	V	17.08	34.77	Pass
					H	15.24		
711.00	23800	16QAM	10	H	V	18.14		
					H	15.81		

## 6.11 Field strength of spurious radiation measurement

Test Requirement:	FCC Part 24.238 (a), part 27.53(g), part 27.53(h) and part 27.53(m)
Test Method:	FCC part 2.1053
Limit:	LTE Band 2, LTE Band 4 and LTE Band 17: -13dBm LTE Band 7: -25dBm
Test setup:	<p>Below 1GHz</p> <p>Above 1GHz</p> <p>Substituted method:</p>
Test Procedure:	<ol style="list-style-type: none"> <li>The EUT was placed on a non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.</li> <li>During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.</li> <li>The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission</li> </ol>

	<p>was determined using the substitution method.</p> <p>4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.</p> $\text{ERP / EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain(dB/dBi)} - \text{Cable Loss (dB)}$
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details.
Test results:	Passed

**Measurement Data (worst case)****Below 1GHz:**

The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

**Above 1GHz**

For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE band 2 part: 1.4MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
<b>Lowest</b>				
3701.40	Vertical	-48.54	-13.00	Pass
5552.10	V	-41.41		
7402.00	V	-36.18		
3701.40	Horizontal	-47.84		
5552.10	H	-37.95		
7402.00	H	-36.82		
<b>Middle</b>				
3760.00	Vertical	-48.14	-13.00	Pass
5640.00	V	-41.28		
7520.00	V	-38.10		
3760.00	Horizontal	-47.19		
5640.00	H	-41.75		
7520.00	H	-38.36		
<b>Highest</b>				
3816.60	Vertical	-47.51	-13.00	Pass
5724.90	V	-41.71		
7633.20	V	-38.63		
3816.60	Horizontal	-48.10		
5724.90	H	-40.50		
7633.20	H	-38.08		

3MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
<b>Lowest</b>				
3703.00	Vertical	-48.55	-13.00	Pass
5554.50	V	-41.41		
7406.00	V	-36.98		
3703.00	Horizontal	-47.28		
5554.50	H	-37.69		
7406.00	H	-36.36		
<b>Middle</b>				
3760.00	Vertical	-48.53	-13.00	Pass
5640.00	V	-41.25		
7520.00	V	-38.21		
3760.00	Horizontal	-47.20		
5640.00	H	-41.20		
7520.00	H	-38.95		
<b>Highest</b>				
3817.00	Vertical	-47.52	-13.00	Pass
5725.50	V	-41.20		
7634.00	V	-38.95		
3817.00	Horizontal	-48.58		
5725.50	H	-40.22		
7634.00	H	-38.69		

5MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
<b>Lowest</b>				
3705.00	Vertical	-48.12	-13.00	Pass
5557.50	V	-40.36		
7410.00	V	-38.10		
3705.00	Horizontal	-48.10		
5557.50	H	-41.04		
7410.00	H	-37.42		
<b>Middle</b>				
3760.00	Vertical	-48.05	-13.00	Pass
5640.00	V	-41.60		
7520.00	V	-38.60		
3760.00	Horizontal	-48.31		
5640.00	H	-42.00		
7520.00	H	-40.58		
<b>Highest</b>				
3815.00	Vertical	-47.83	-13.00	Pass
5722.50	V	-41.22		
7630.00	V	-38.79		
3815.00	Horizontal	-47.52		
5722.50	H	-42.01		
7630.00	H	-39.33		

10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
<b>Lowest</b>				
3710.00	Vertical	-47.64	-13.00	Pass
5565.00	V	-40.67		
7420.00	V	-37.43		
3710.00	Horizontal	-48.41		
5565.00	H	-40.75		
7420.00	H	-41.08		
<b>Middle</b>				
3760.00	Vertical	-48.14	-13.00	Pass
5640.00	V	-40.90		
7520.00	V	-38.25		
3760.00	Horizontal	-48.36		
5640.00	H	-42.81		
7520.00	H	-39.00		
<b>Highest</b>				
3810.00	Vertical	-48.93	-13.00	Pass
5715.00	V	-41.83		
7620.00	V	-38.70		
3810.00	Horizontal	-47.83		
5715.00	H	-41.80		
7620.00	H	-38.94		

15MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
<b>Lowest</b>				
3715.00	Vertical	-48.52	-13.00	Pass
5572.50	V	-40.35		
7430.00	V	-37.58		
3715.00	Horizontal	-48.11		
5572.50	H	-41.26		
7430.00	H	-38.69		
<b>Middle</b>				
3760.00	Vertical	-48.21	-13.00	Pass
5640.00	V	-41.02		
7520.00	V	-38.65		
3760.00	Horizontal	-48.57		
5640.00	H	-42.36		
7520.00	H	-38.69		
<b>Highest</b>				
3805.00	Vertical	-48.14	-13.00	Pass
5707.50	V	-41.33		
7610.00	V	-38.21		
3805.00	Horizontal	-48.11		
5707.50	H	-41.25		
7610.00	H	-38.69		

20MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
<b>Lowest</b>				
3720.00	Vertical	-48.38	-13.00	Pass
5580.00	V	-40.46		
7440.00	V	-37.97		
3720.00	Horizontal	-48.54		
5580.00	H	-41.44		
7440.00	H	-38.03		
<b>Middle</b>				
3760.00	Vertical	-48.67	-13.00	Pass
5640.00	V	-41.24		
7520.00	V	-38.52		
3760.00	Horizontal	-48.64		
5640.00	H	-42.29		
7520.00	H	-38.57		
<b>Highest</b>				
3800.00	Vertical	-48.88	-13.00	Pass
5700.00	V	-41.53		
7600.00	V	-38.60		
3800.00	Horizontal	-48.33		
5700.00	H	-41.52		
7600.00	H	-38.84		

## LTE Band 4 Part:

## 1.4MHz(RB size 1 &amp; RB offset 0) for QPSK

Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
<b>Lowest</b>				
3421.40	Vertical	-46.62	-13.00	Pass
5132.10	V	-43.14		
6842.80	V	-39.29		
3421.40	Horizontal	-47.34		
5132.10	H	-43.41		
6842.80	H	-39.56		
<b>Middle</b>				
3465.00	Vertical	-47.61	-13.00	Pass
5197.50	V	-42.02		
6930.00	V	-39.45		
3465.00	Horizontal	-47.66		
5197.50	H	-42.52		
6930.00	H	-40.35		
<b>Highest</b>				
3508.60	Vertical	-48.08	-13.00	Pass
5262.90	V	-42.37		
7017.20	V	-39.24		
3508.60	Horizontal	-48.28		
5262.90	H	-36.36		
7017.20	H	-38.08		
<b>3MHz(RB size 1 &amp; RB offset 0) for QPSK</b>				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
<b>Lowest</b>				
3423.00	Vertical	-46.85	-13.00	Pass
5134.50	V	-43.21		
6846.00	V	-39.74		
3423.00	Horizontal	-47.52		
5134.50	H	-43.69		
6846.00	H	-39.62		
<b>Middle</b>				
3465.00	Vertical	-47.20	-13.00	Pass
5197.50	V	-42.12		
6930.00	V	-39.65		
3465.00	Horizontal	-47.11		
5197.50	H	-42.36		
6930.00	H	-40.25		

<b>Highest</b>				
Frequency (MHz)	Polarization	Spurious Emission Level (dBm)	Limit (dBm)	Result
<b>5MHz(RB size 1 &amp; RB offset 0) for QPSK</b>				
3507.00	Vertical	-48.32	-13.00	Pass
5260.50	V	-42.14		
7014.00	V	-39.65		
3507.00	Horizontal	-48.52		
5260.50	H	-36.98		
7014.00	H	-38.20		
<b>Lowest</b>				
3425.00	Vertical	-47.78	-13.00	Pass
5137.50	V	-43.60		
6850.00	V	-40.15		
3425.00	Horizontal	-47.47		
5137.50	H	-43.10		
6850.00	H	-40.68		
<b>Middle</b>				
3465.00	Vertical	-46.92	-13.00	Pass
5197.50	V	-42.81		
6930.00	V	-40.00		
3465.00	Horizontal	-48.26		
5197.50	H	-41.24		
6930.00	H	-38.71		
<b>Highest</b>				
3505.00	Vertical	-47.77	-13.00	Pass
5257.50	V	-40.94		
7010.00	V	-38.32		
3505.00	Horizontal	-48.21		
5257.50	H	-40.72		
7010.00	H	-39.15		
<b>10MHz(RB size 1 &amp; RB offset 0) for QPSK</b>				
Frequency (MHz)	Polarization	Spurious Emission Level (dBm)	Limit (dBm)	Result
<b>Lowest</b>				
3430.00	Vertical	-47.60	-13.00	Pass
5145.00	V	-43.34		
6860.00	V	-39.30		
3430.00	Horizontal	-47.59		
5145.00	H	-43.64		
6860.00	H	-39.26		

Middle				
3465.00	Vertical	-46.50	-13.00	Pass
5197.50	V	-42.44		
6930.00	V	-40.41		
3465.00	Horizontal	-47.07		
5197.50	H	-41.66		
6930.00	H	-41.37		
Highest				
3500.00	Vertical	-47.78	-13.00	Pass
5250.00	V	-40.96		
7000.00	V	-38.41		
3500.00	Horizontal	-47.50		
5250.00	H	-39.98		
7000.00	H	-38.81		
15MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3435.00	Vertical	-47.52	-13.00	Pass
5152.50	V	-44.66		
6870.00	V	-39.52		
3435.00	Horizontal	-46.20		
5152.50	H	-43.32		
6870.00	H	-38.63		
Middle				
3465.00	Vertical	-48.36	-13.00	Pass
5197.50	V	-42.40		
6930.00	V	-38.95		
3465.00	Horizontal	-48.63		
5197.50	H	-42.10		
6930.00	H	-39.68		
Highest				
3495.00	Vertical	-47.69	-13.00	Pass
5242.50	V	-42.65		
6990.00	V	-39.69		
3495.00	Horizontal	-48.14		
5242.50	H	-41.26		
6990.00	H	-39.69		

20MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
<b>Lowest</b>				
3440.00	Vertical	-47.41	-13.00	Pass
5160.00	V	-44.30		
6880.00	V	-39.47		
3440.00	Horizontal	-46.02		
5160.00	H	-43.39		
6880.00	H	-38.73		
<b>Middle</b>				
3465.00	Vertical	-48.14	-13.00	Pass
5197.50	V	-42.01		
6930.00	V	-38.82		
3465.00	Horizontal	-48.21		
5197.50	H	-42.98		
6930.00	H	-39.47		
<b>Highest</b>				
3490.00	Vertical	-47.36	-13.00	Pass
5235.00	V	-42.32		
6980.00	V	-39.59		
3490.00	Horizontal	-48.07		
5235.00	H	-41.24		
6980.00	H	-39.34		

## LTE Band 7 Part:

5MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
<b>Lowest</b>				
5005.00	Vertical	-42.72	-25.00	Pass
7507.50	V	-38.16		
10010.00	V	-36.60		
5005.00	Horizontal	-42.47		
7507.50	H	-38.67		
10010.00	H	-36.90		
<b>Middle</b>				
5070.00	Vertical	-42.57	-25.00	Pass
7605.00	V	-38.79		
10140.00	V	-36.90		
5070.00	Horizontal	-41.51		
7605.00	H	-35.82		
10140.00	H	-36.24		
<b>Highest</b>				
5135.00	Vertical	-41.80	-25.00	Pass
7702.50	V	-36.69		
10270.00	V	-35.98		
5135.00	Horizontal	-42.14		
7702.50	H	-37.87		
10270.00	H	-35.74		
10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
<b>Lowest</b>				
5010.00	Vertical	-42.01	-25.00	Pass
7515.00	V	-38.22		
10020.00	V	-36.04		
5010.00	Horizontal	-42.86		
7515.00	H	-38.36		
10020.00	H	-36.57		
<b>Middle</b>				
5070.00	Vertical	-42.81	-25.00	Pass
7605.00	V	-39.23		
10140.00	V	-36.31		
5070.00	Horizontal	-37.66		
7605.00	H	-39.08		
10140.00	H	-35.57		

<b>Highest</b>				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
<b>Lowest</b>				
5130.00	Vertical	-43.60	-25.00	Pass
7695.00	V	-39.08		
10260.00	V	-36.86		
5130.00	Horizontal	-43.11		
7695.00	H	-38.69		
10260.00	H	-36.95		
<b>15MHz(RB size 1 &amp; RB offset 0) for QPSK</b>				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
<b>Middle</b>				
5015.00	Vertical	-43.12	-25.00	Pass
7522.50	V	-38.65		
10030.00	V	-36.41		
5015.00	Horizontal	-44.21		
7522.50	H	-38.65		
10030.00	H	-36.14		
<b>Highest</b>				
5070.00	Vertical	-43.52	-25.00	Pass
7605.00	V	-39.41		
10140.00	V	-36.21		
5070.00	Horizontal	-43.07		
7605.00	H	-38.64		
10140.00	H	-36.41		
<b>20MHz(RB size 1 &amp; RB offset 0) for QPSK</b>				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
<b>Lowest</b>				
5020.00	Vertical	-43.53	-25.00	Pass
7530.00	V	-38.64		
10040.00	V	-36.81		
5020.00	Horizontal	-44.17		
7530.00	H	-38.94		
10040.00	H	-36.60		

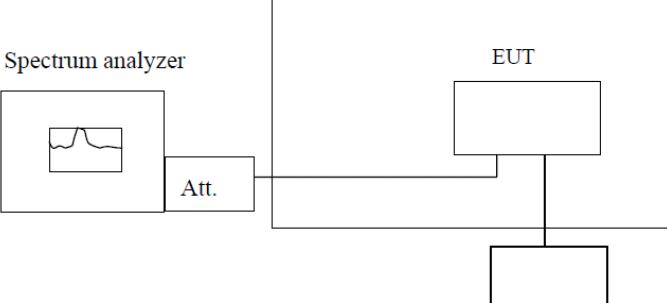
<b>Middle</b>			
5070.00	Vertical	-43.53	-25.00 Pass
7605.00	V	-39.26	
10140.00	V	-36.43	
5070.00	Horizontal	-43.30	
7605.00	H	-38.60	
10140.00	H	-36.88	
<b>Highest</b>			
5120.00	Vertical	-43.24	-25.00 Pass
7680.00	V	-38.86	
10240.00	V	-36.60	
5120.00	Horizontal	-43.62	
7680.00	H	-39.02	
10240.00	H	-36.89	

## LTE Band 17 Part:

5MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
<b>Lowest</b>				
1413.00	Vertical	-41.79	-13.00	Pass
2119.50	V	-35.99		
2826.00	V	-51.21		
1413.00	Horizontal	-45.00		
2119.50	H	-43.78		
2826.00	H	-51.70		
<b>Middle</b>				
1420.00	Vertical	-42.95	-13.00	Pass
2130.00	V	-37.57		
2840.00	V	-51.31		
1420.00	Horizontal	-45.75		
2130.00	H	-45.84		
2840.00	H	-51.88		
<b>Highest</b>				
1427.00	Vertical	-40.93	-13.00	Pass
2140.50	V	-37.32		
2854.00	V	-51.39		
1427.00	Horizontal	-47.03		
2140.50	H	-45.17		
2854.00	H	-50.84		
<b>10MHz(RB size 1 &amp; RB offset 0) for QPSK</b>				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
<b>Lowest</b>				
1418.00	Vertical	-40.93	-13.00	Pass
2127.00	V	-35.29		
2836.00	V	-50.91		
1418.00	Horizontal	-47.02		
2127.00	H	-44.17		
2836.00	H	-51.76		
<b>Middle</b>				
1420.00	Vertical	-40.92	-13.00	Pass
2130.00	V	-39.24		
2840.00	V	-50.60		
1420.00	Horizontal	-45.76		
2130.00	H	-45.22		
2840.00	H	-50.84		

Highest		
1422.00	Vertical	-39.90
2133.00	V	-32.71
2844.00	V	-51.01
1422.00	Horizontal	-47.66
2133.00	H	-39.93
2844.00	H	-50.75

## 6.12 Frequency stability V.S. Temperature measurement

Test Requirement:	FCC Part 2.1055(a)(1)(b)
Test Method:	FCC Part 2.1055(a)(1)(b)
Limit:	±2.5 ppm
Test setup:	<p style="text-align: right;">Temperature Chamber</p>  <p style="text-align: center;"><b>Note :</b> Measurement setup for testing on Antenna connector</p>
Test procedure:	<ol style="list-style-type: none"> <li>1. The equipment under test was connected to an external DC power supply and input rated voltage.</li> <li>2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators.</li> <li>3. The EUT was placed inside the temperature chamber.</li> <li>4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency.</li> <li>5. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency.</li> <li>6. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached</li> </ol>
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	All three channels of all modulations have been tested, but only the worst channel and the worst modulation show in this test item.

Measurement Data (the worst channel):

**LTE Band 2(QPSK):**

Reference Frequency: LTE Band 2(1.4MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	105	0.055851	±2.5	Pass
	-20	182	0.096809		
	-10	106	0.056383		
	0	104	0.055319		
	10	112	0.059574		
	20	135	0.071809		
	30	138	0.073404		
	40	146	0.077660		
	50	108	0.057447		
	Reference Frequency: LTE Band 2(3MHz) Middle channel=18900 channel=1880.00MHz				
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	163	0.086702	±2.5	Pass
	-20	158	0.084043		
	-10	174	0.092553		
	0	108	0.057447		
	10	129	0.068617		
	20	125	0.066489		
	30	146	0.077660		
	40	149	0.079255		
	50	138	0.073404		
	Reference Frequency: LTE Band 2(5MHz) Middle channel=18900 channel=1880.00MHz				
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	107	0.056915	±2.5	Pass
	-20	122	0.064894		
	-10	156	0.082979		
	0	158	0.084043		
	10	149	0.079255		
	20	156	0.082979		
	30	136	0.072340		
	40	105	0.055851		
	50	108	0.057447		

Reference Frequency: LTE Band 2(10MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	125	0.066489	±2.5	Pass
	-20	136	0.072340		
	-10	138	0.073404		
	0	149	0.079255		
	10	157	0.083511		
	20	159	0.084574		
	30	126	0.067021		
	40	150	0.079787		
	50	136	0.072340		
Reference Frequency: LTE Band 2(15MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	147	0.078191	±2.5	Pass
	-20	128	0.068085		
	-10	156	0.082979		
	0	160	0.085106		
	10	162	0.086170		
	20	105	0.055851		
	30	129	0.068617		
	40	139	0.073936		
	50	124	0.065957		
Reference Frequency: LTE Band 2(20MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	166	0.088298	±2.5	Pass
	-20	130	0.069149		
	-10	124	0.065957		
	0	108	0.057447		
	10	107	0.056915		
	20	114	0.060638		
	30	127	0.067553		
	40	147	0.078191		
	50	109	0.057979		

**LTE Band 2(16QAM):**

Reference Frequency: LTE Band 2(1.4MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	136	0.072340	±2.5	Pass
	-20	104	0.055319		
	-10	127	0.067553		
	0	133	0.070745		
	10	139	0.073936		
	20	146	0.077660		
	30	126	0.067021		
	40	108	0.057447		
	50	126	0.067021		
Reference Frequency: LTE Band 2(3MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	147	0.078191	±2.5	Pass
	-20	126	0.067021		
	-10	139	0.073936		
	0	163	0.086702		
	10	165	0.087766		
	20	154	0.081915		
	30	159	0.084574		
	40	128	0.068085		
	50	106	0.056383		
Reference Frequency: LTE Band 2(5MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	147	0.078191	±2.5	Pass
	-20	163	0.086702		
	-10	163	0.086702		
	0	152	0.080851		
	10	185	0.098404		
	20	104	0.055319		
	30	102	0.054255		
	40	126	0.067021		
	50	109	0.057979		

Reference Frequency: LTE Band 2(10MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	104	0.055319	±2.5	Pass
	-20	125	0.066489		
	-10	136	0.072340		
	0	107	0.056915		
	10	174	0.092553		
	20	166	0.088298		
	30	164	0.087234		
	40	163	0.086702		
	50	152	0.080851		
Reference Frequency: LTE Band 2(15MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	160	0.085106	±2.5	Pass
	-20	158	0.084043		
	-10	159	0.084574		
	0	147	0.078191		
	10	142	0.075532		
	20	140	0.074468		
	30	122	0.064894		
	40	123	0.065426		
	50	136	0.072340		
Reference Frequency: LTE Band 2(20MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	109	0.057979	±2.5	Pass
	-20	126	0.067021		
	-10	133	0.070745		
	0	134	0.071277		
	10	105	0.055851		
	20	129	0.068617		
	30	126	0.067021		
	40	127	0.067553		
	50	156	0.082979		

**LTE Band 4(QPSK):**

Reference Frequency: LTE Band 4(1.4MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	96	0.055411	±2.5	Pass
	-20	107	0.061760		
	-10	124	0.071573		
	0	190	0.109668		
	10	104	0.060029		
	20	105	0.060606		
	30	132	0.076190		
	40	139	0.080231		
	50	148	0.085426		
	Reference Frequency: LTE Band 4(3MHz) Middle channel=20175 channel=1732.50MHz				
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	165	0.095238	±2.5	Pass
	-20	169	0.097547		
	-10	147	0.084848		
	0	175	0.101010		
	10	170	0.098124		
	20	152	0.087734		
	30	155	0.089466		
	40	150	0.086580		
	50	124	0.071573		
	Reference Frequency: LTE Band 4(5MHz) Middle channel=20175 channel=1732.50MHz				
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	136	0.078499	±2.5	Pass
	-20	135	0.077922		
	-10	130	0.075036		
	0	128	0.073882		
	10	145	0.083694		
	20	140	0.080808		
	30	128	0.073882		
	40	136	0.078499		
	50	108	0.062338		

Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	104	0.060029	±2.5	Pass
	-20	125	0.072150		
	-10	127	0.073304		
	0	146	0.084271		
	10	149	0.086003		
	20	144	0.083117		
	30	105	0.060606		
	40	128	0.073882		
	50	126	0.072727		
Reference Frequency: LTE Band 4(15MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	104	0.060029	±2.5	Pass
	-20	127	0.073304		
	-10	126	0.072727		
	0	152	0.087734		
	10	150	0.086580		
	20	146	0.084271		
	30	103	0.059452		
	40	109	0.062915		
	50	122	0.070418		
Reference Frequency: LTE Band 4(20MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	136	0.078499	±2.5	Pass
	-20	160	0.092352		
	-10	119	0.068687		
	0	108	0.062338		
	10	102	0.058874		
	20	101	0.058297		
	30	124	0.071573		
	40	133	0.076768		
	50	138	0.079654		

**LTE Band 4(16QAM):**

Reference Frequency: LTE Band 4(1.4MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	104	0.060029	±2.5	Pass
	-20	122	0.070418		
	-10	128	0.073882		
	0	137	0.079076		
	10	105	0.060606		
	20	148	0.085426		
	30	166	0.095815		
	40	105	0.060606		
	50	124	0.071573		
Reference Frequency: LTE Band 4(3MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	108	0.062338	±2.5	Pass
	-20	122	0.070418		
	-10	127	0.073304		
	0	136	0.078499		
	10	139	0.080231		
	20	145	0.083694		
	30	140	0.080808		
	40	143	0.082540		
	50	108	0.062338		
Reference Frequency: LTE Band 4(5MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	122	0.070418	±2.5	Pass
	-20	124	0.071573		
	-10	126	0.072727		
	0	133	0.076768		
	10	135	0.077922		
	20	140	0.080808		
	30	108	0.062338		
	40	106	0.061183		
	50	114	0.065801		

Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	130	0.075036	$\pm 2.5$	Pass
	-20	133	0.076768		
	-10	105	0.060606		
	0	102	0.058874		
	10	129	0.074459		
	20	127	0.073304		
	30	134	0.077345		
	40	150	0.086580		
	50	140	0.080808		
Reference Frequency: LTE Band 4(15MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	116	0.066955	$\pm 2.5$	Pass
	-20	120	0.069264		
	-10	150	0.086580		
	0	142	0.081962		
	10	144	0.083117		
	20	107	0.061760		
	30	126	0.072727		
	40	123	0.070996		
	50	107	0.061760		
Reference Frequency: LTE Band 4(20MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	103	0.059452	$\pm 2.5$	Pass
	-20	105	0.060606		
	-10	122	0.070418		
	0	125	0.072150		
	10	124	0.071573		
	20	146	0.084271		
	30	135	0.077922		
	40	133	0.076768		
	50	105	0.060606		

## LTE Band 7(QPSK):

Reference Frequency: LTE Band 7(5MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	107	0.042209	±2.5	Pass
	-20	177	0.069822		
	-10	163	0.064300		
	0	105	0.041420		
	10	152	0.059961		
	20	140	0.055227		
	30	169	0.066667		
	40	145	0.057199		
	50	104	0.041026		
Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	166	0.065483	±2.5	Pass
	-20	152	0.059961		
	-10	158	0.062327		
	0	140	0.055227		
	10	136	0.053649		
	20	125	0.049310		
	30	128	0.050493		
	40	126	0.049704		
	50	149	0.058777		
Reference Frequency: LTE Band 7(15MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	144	0.056805	±2.5	Pass
	-20	146	0.057594		
	-10	132	0.052071		
	0	125	0.049310		
	10	128	0.050493		
	20	109	0.042998		
	30	126	0.049704		
	40	134	0.052860		
	50	138	0.054438		
Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	174	0.068639	±2.5	Pass
	-20	163	0.064300		
	-10	105	0.041420		
	0	129	0.050888		
	10	160	0.063116		
	20	122	0.048126		
	30	104	0.041026		
	40	108	0.042604		
	50	125	0.049310		

## LTE Band 7(16QAM):

Reference Frequency: LTE Band 7(5MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	109	0.042998	±2.5	Pass
	-20	126	0.049704		
	-10	136	0.053649		
	0	134	0.052860		
	10	108	0.042604		
	20	125	0.049310		
	30	124	0.048915		
	40	107	0.042209		
	50	106	0.041815		
Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	162	0.063905	±2.5	Pass
	-20	129	0.050888		
	-10	125	0.049310		
	0	133	0.052465		
	10	138	0.054438		
	20	136	0.053649		
	30	140	0.055227		
	40	149	0.058777		
	50	152	0.059961		
Reference Frequency: LTE Band 7(15MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	116	0.045759	2.5	Pass
	-20	132	0.052071		
	-10	128	0.050493		
	0	174	0.068639		
	10	162	0.063905		
	20	129	0.050888		
	30	120	0.047337		
	40	115	0.045365		
	50	108	0.042604		
Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	103	0.040631	2.5	Pass
	-20	104	0.041026		
	-10	116	0.045759		
	0	127	0.050099		
	10	126	0.049704		
	20	109	0.042998		
	30	107	0.042209		
	40	122	0.048126		
	50	128	0.050493		

## LTE Band 17(QPSK):

Reference Frequency: LTE Band 17(5MHz) Middle channel=23790 channel=710.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	150	0.211268	±2.5	Pass
	-20	126	0.177465		
	-10	130	0.183099		
	0	114	0.160563		
	10	120	0.169014		
	20	108	0.152113		
	30	103	0.145070		
	40	102	0.143662		
	50	116	0.163380		

Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 channel=710.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	126	0.177465	±2.5	Pass
	-20	136	0.191549		
	-10	144	0.202817		
	0	125	0.176056		
	10	105	0.147887		
	20	136	0.191549		
	30	114	0.160563		
	40	105	0.147887		
	50	126	0.177465		

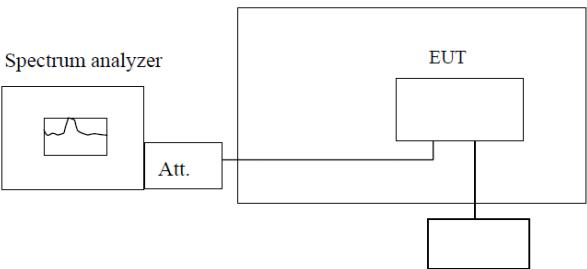
## LTE Band 17(16QAM):

Reference Frequency: LTE Band 17(5MHz) Middle channel=23790 channel=710.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	150	0.211268	±2.5	Pass
	-20	102	0.143662		
	-10	136	0.191549		
	0	124	0.174648		
	10	118	0.166197		
	20	126	0.177465		
	30	105	0.147887		
	40	104	0.146479		
	50	102	0.143662		

Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 channel=710.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	106	0.149296	±2.5	Pass
	-20	112	0.157746		
	-10	144	0.202817		
	0	133	0.187324		
	10	126	0.177465		
	20	118	0.166197		
	30	109	0.153521		
	40	125	0.176056		
	50	126	0.177465		

## 6.13 Frequency stability V.S. Voltage measurement

Test Requirement:	FCC Part 2.1055(d)(1)(2)
Test Method:	FCC Part 2.1055(d)(1)(2)
Limit:	2.5ppm
Test setup:	<p style="text-align: center;">Temperature Chamber</p>  <p style="text-align: center;">Note : Measurement setup for testing on Antenna connector</p>
Test procedure:	<ol style="list-style-type: none"> <li>1. Set chamber temperature to 25°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage.</li> <li>2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.</li> <li>3. Reduce the input voltage to specify extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.</li> </ol>
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details, and all channels have been tested, only shows the worst channel data in this report.
Test results:	Passed

Measurement Data (the worst channel):

**LTE Band 2(QPSK):**

Reference Frequency: LTE Band 2(1.4MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	96	0.051064	±2.5	Pass
	3.70	78	0.041489		
	3.40	55	0.029255		
Reference Frequency: LTE Band 2(3MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	74	0.039362	±2.5	Pass
	3.70	89	0.047340		
	3.40	82	0.043617		
Reference Frequency: LTE Band 2(5MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	67	0.035638	±2.5	Pass
	3.70	62	0.032979		
	3.40	59	0.031383		
Reference Frequency: LTE Band 2(10MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	88	0.046809	±2.5	Pass
	3.70	84	0.044681		
	3.40	75	0.039894		
Reference Frequency: LTE Band 2(15MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	69	0.036702	±2.5	Pass
	3.70	63	0.033511		
	3.40	75	0.039894		
Reference Frequency: LTE Band 2(20MHz) Middle channel=20175 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	74	0.039362	±2.5	Pass
	3.70	85	0.045213		
	3.40	89	0.047340		

**LTE Band 2(16QAM):**

Reference Frequency: LTE Band 2(1.4MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	45	0.023936	±2.5	Pass
	3.70	78	0.041489		
	3.40	95	0.050532		
Reference Frequency: LTE Band 2(3MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	63	0.033511	±2.5	Pass
	3.70	59	0.031383		
	3.40	85	0.045213		
Reference Frequency: LTE Band 2(5MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	74	0.039362	±2.5	Pass
	3.70	85	0.045213		
	3.40	95	0.050532		
Reference Frequency: LTE Band 2(10MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	45	0.023936	±2.5	Pass
	3.70	85	0.045213		
	3.40	96	0.051064		
Reference Frequency: LTE Band 2(15MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	74	0.039362	±2.5	Pass
	3.70	79	0.042021		
	3.40	82	0.043617		
Reference Frequency: LTE Band 2(20MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	66	0.035106	±2.5	Pass
	3.70	96	0.051064		
	3.40	92	0.048936		

## LTE Band 4(QPSK):

Reference Frequency: LTE Band 4(1.4MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	78	0.045022	±2.5	Pass
	3.70	79	0.045599		
	3.40	95	0.054834		
Reference Frequency: LTE Band 4(3MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	49	0.028283	±2.5	Pass
	3.70	58	0.033478		
	3.40	63	0.036364		
Reference Frequency: LTE Band 4(5MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	89	0.051371	±2.5	Pass
	3.70	85	0.049062		
	3.40	84	0.048485		
Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	75	0.043290	±2.5	Pass
	3.70	74	0.042713		
	3.40	79	0.045599		
Reference Frequency: LTE Band 4(15MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	59	0.034055	±2.5	Pass
	3.70	58	0.033478		
	3.40	89	0.051371		
Reference Frequency: LTE Band 4(20MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	74	0.042713	±2.5	Pass
	3.70	96	0.055411		
	3.40	85	0.049062		

**LTE Band 4(16QAM):**

Reference Frequency: LTE Band 4(1.4MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	63	0.036364	±2.5	Pass
	3.70	75	0.043290		
	3.40	74	0.042713		
Reference Frequency: LTE Band 4(3MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	49	0.028283	±2.5	Pass
	3.70	95	0.054834		
	3.40	97	0.055988		
Reference Frequency: LTE Band 4(5MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	96	0.055411	±2.5	Pass
	3.70	58	0.033478		
	3.40	57	0.032900		
Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	49	0.028283	±2.5	Pass
	3.70	87	0.050216		
	3.40	82	0.047330		
Reference Frequency: LTE Band 4(15MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	99	0.057143	±2.5	Pass
	3.70	102	0.058874		
	3.40	63	0.036364		
Reference Frequency: LTE Band 4(20MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	74	0.042713	±2.5	Pass
	3.70	79	0.045599		
	3.40	88	0.050794		

**LTE Band 7(QPSK):**

Reference Frequency: LTE Band 7(5MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	74	0.029191	±2.5	Pass
	3.70	96	0.037870		
	3.40	85	0.033531		
Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	92	0.036292	±2.5	Pass
	3.70	58	0.022880		
	3.40	67	0.026430		
Reference Frequency: LTE Band 7(15MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	79	0.031164	±2.5	Pass
	3.70	74	0.029191		
	3.40	94	0.037081		
Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	107	0.042209	±2.5	Pass
	3.70	85	0.033531		
	3.40	94	0.037081		

**LTE Band 7(16QAM):**

Reference Frequency: LTE Band 7(5MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	75	0.029586	±2.5	Pass
	3.70	58	0.022880		
	3.40	56	0.022091		
Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	39	0.0153846	±2.5	Pass
	3.70	48	0.0189349		
	3.40	70	0.0276134		
Reference Frequency: LTE Band 7(15MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	90	0.035503	±2.5	Pass
	3.70	89	0.035108		
	3.40	49	0.019329		
Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	57	0.022485	±2.5	Pass
	3.70	79	0.031164		
	3.40	82	0.032347		

**LTE Band 17(QPSK):**

Reference Frequency: LTE Band 17(5MHz) Middle channel=23790 channel=710.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	47	0.066197	±2.5	Pass
	3.70	79	0.111268		
	3.40	69	0.097183		

Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 channel=710.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	88	0.123944	±2.5	Pass
	3.70	85	0.119718		
	3.40	87	0.122535		

**LTE Band 17(16QAM):**

Reference Frequency: LTE Band 17(5MHz) Middle channel=23790 channel=710.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	69	0.097183	±2.5	Pass
	3.70	89	0.125352		
	3.40	84	0.118310		

Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 channel=710.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.25	75	0.105634	±2.5	Pass
	3.70	72	0.101408		
	3.40	90	0.126761		

-----End of report-----