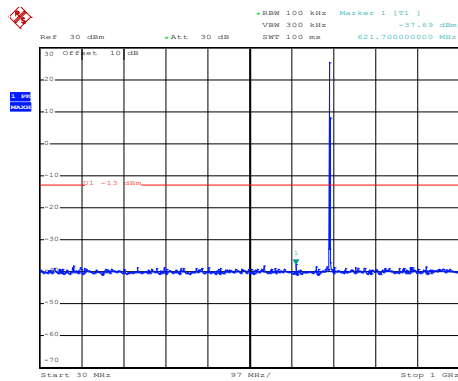
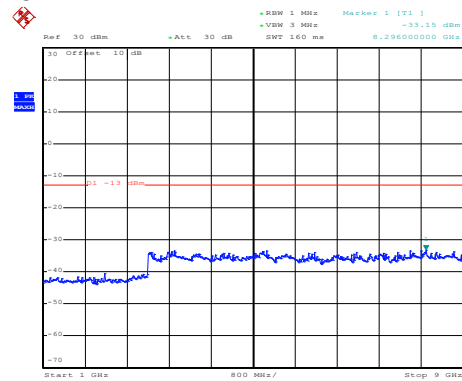


LTE Band 12: QPSK & RB Size 1
BW: 1.4MHz
Lowest channel



Date: 22.APR.2019 03:45:18

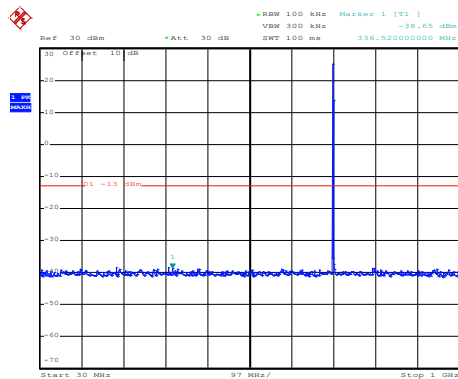
30MHz~1GHz



Date: 22.APR.2019 04:51:08

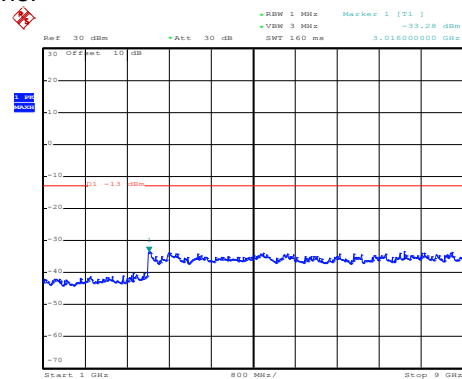
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:47:40

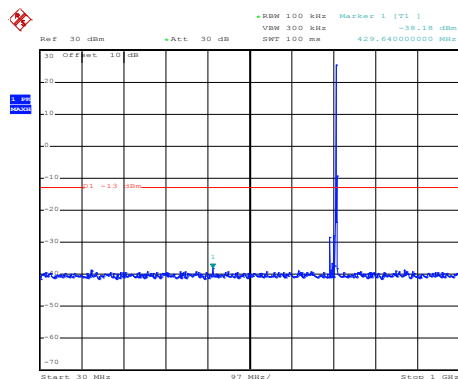
30MHz~1GHz



Date: 22.APR.2019 04:51:48

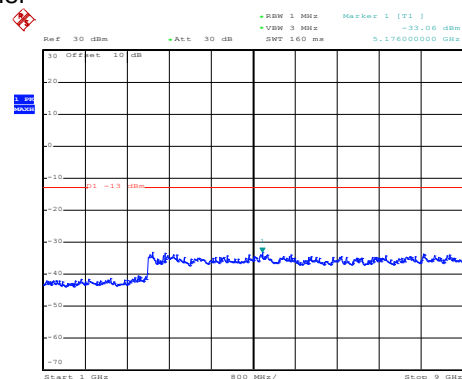
1GHz~25GHz

High channel



Date: 22.APR.2019 03:48:40

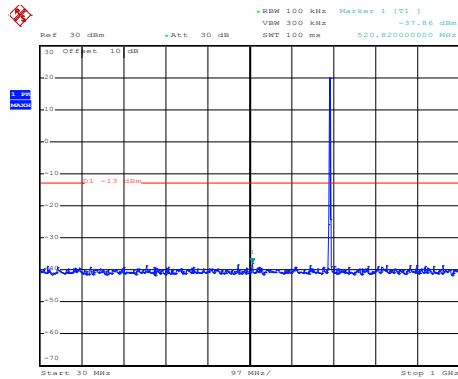
30MHz~1GHz



Date: 22.APR.2019 04:52:03

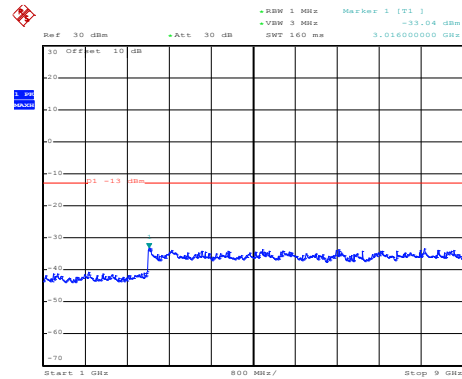
1GHz~25GHz

LTE Band 12: QPSK & RB Size 6
BW: 1.4MHz
Lowest channel



Date: 22.APR.2019 03:45:56

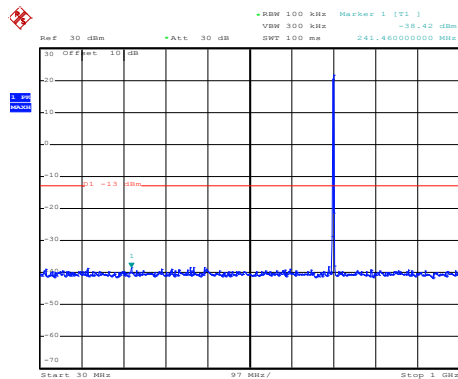
30MHz~1GHz



Date: 22.APR.2019 04:51:22

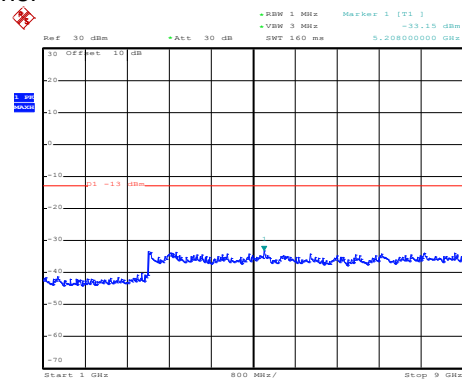
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:46:37

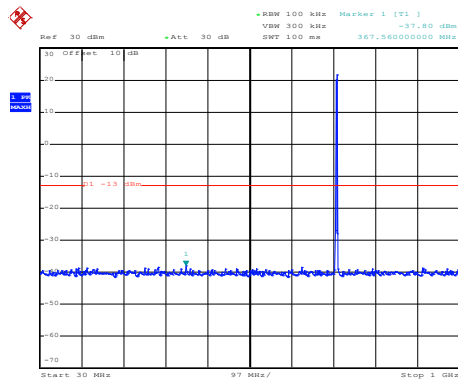
30MHz~1GHz



Date: 22.APR.2019 04:51:34

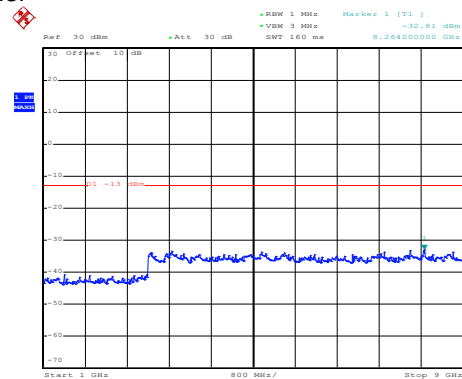
1GHz~25GHz

High channel



Date: 22.APR.2019 03:50:24

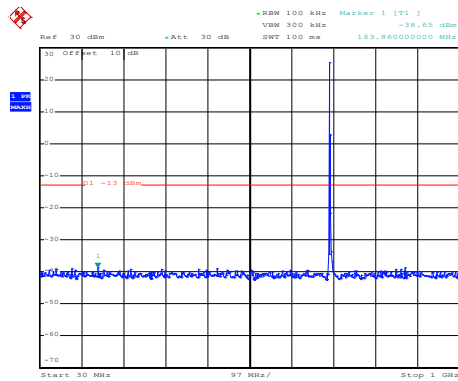
30MHz~1GHz



Date: 22.APR.2019 04:52:18

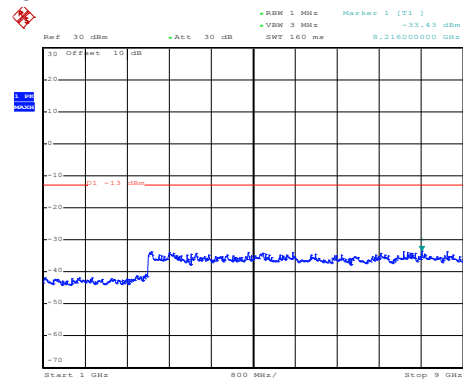
1GHz~25GHz

LTE Band 12: 16 QAM & RB Size 1 BW: 3MHz Lowest channel



Date: 22.APR.2019 03:55:49

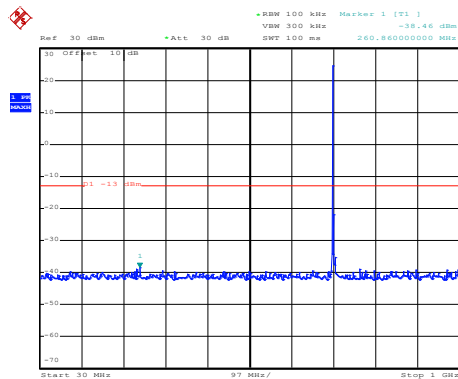
30MHz~1GHz



Date: 22.APR.2019 04:54:02

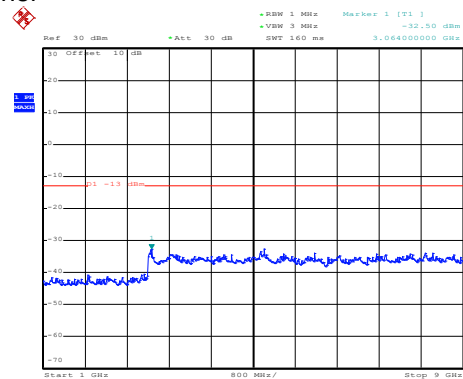
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:53:22

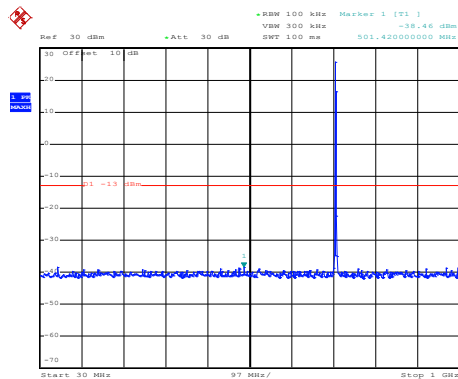
30MHz~1GHz



Date: 22.APR.2019 04:53:18

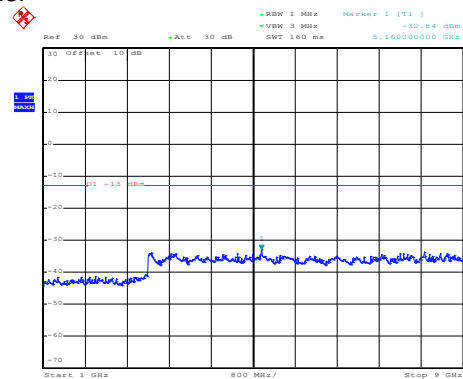
1GHz~25GHz

High channel



Date: 22.APR.2019 03:52:54

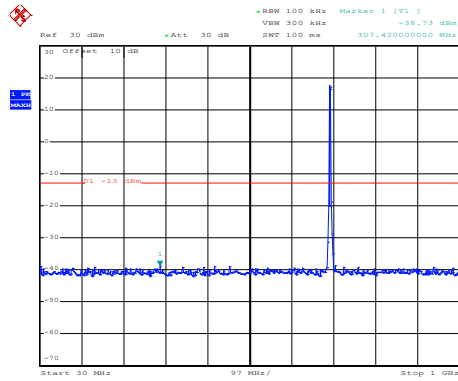
30MHz~1GHz



Date: 22.APR.2019 04:53:01

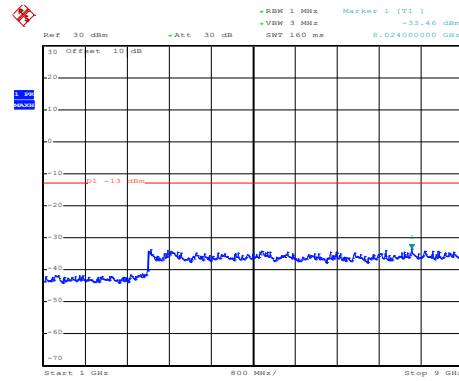
1GHz~25GHz

LTE Band 12: 16 QAM & RB Size 15 BW: 3MHz Lowest channel



Date: 22.APR.2019 03:55:21

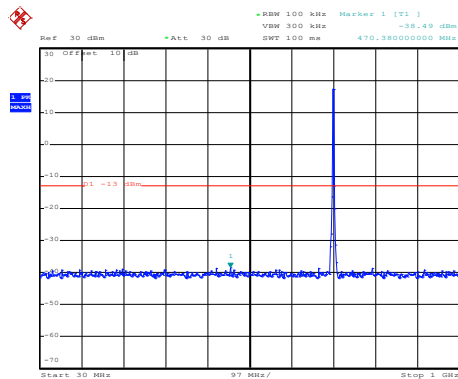
30MHz~1GHz



Date: 22.APR.2019 04:53:47

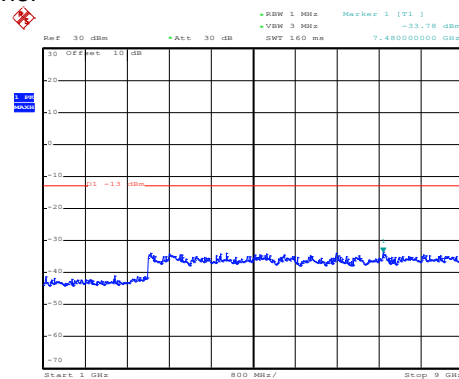
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:54:35

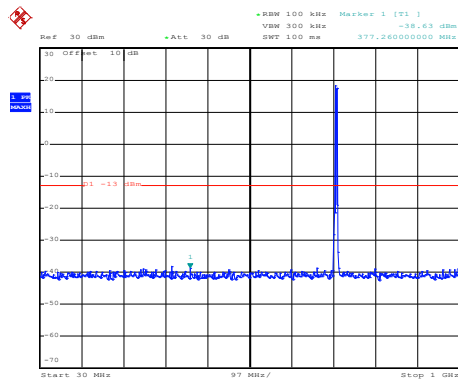
30MHz~1GHz



Date: 22.APR.2019 04:53:34

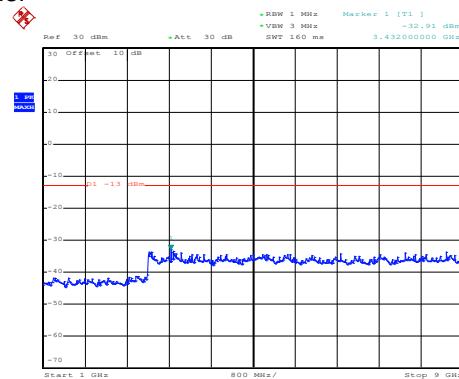
1GHz~25GHz

High channel



Date: 22.APR.2019 03:52:12

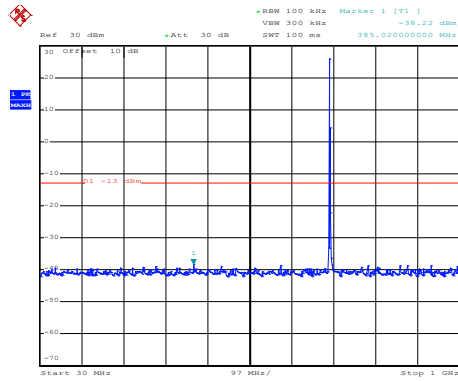
30MHz~1GHz



Date: 22.APR.2019 04:52:46

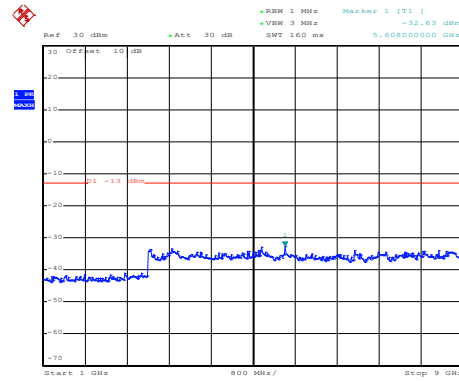
1GHz~25GHz

LTE Band 12: QPSK & RB Size 1 BW: 3MHz Lowest channel



Date: 22.APR.2019 03:55:39

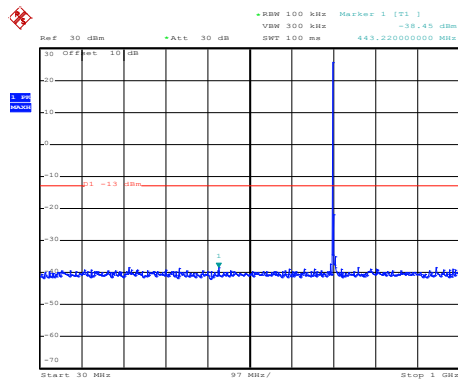
30MHz~1GHz



Date: 22.APR.2019 04:53:55

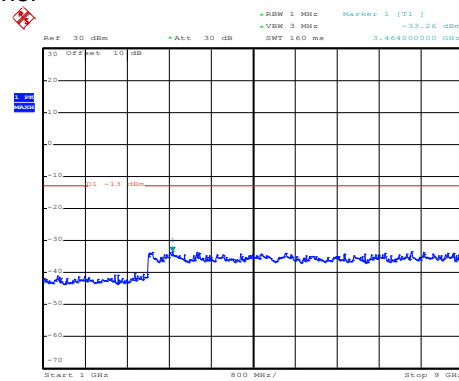
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:53:23

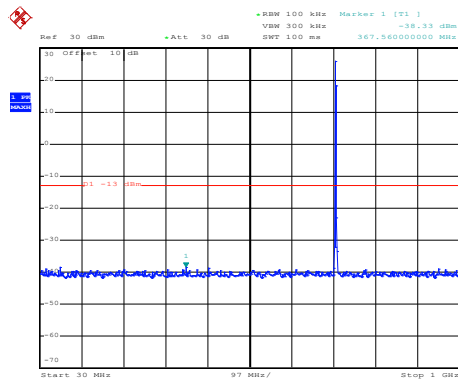
30MHz~1GHz



Date: 22.APR.2019 04:53:12

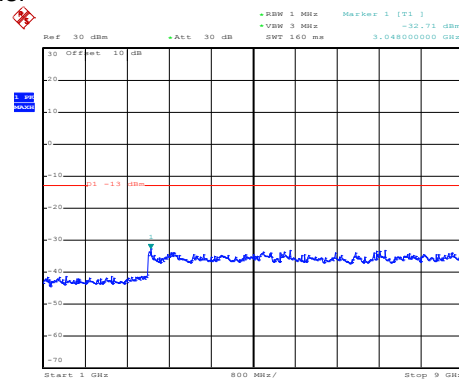
1GHz~25GHz

High channel



Date: 22.APR.2019 03:52:36

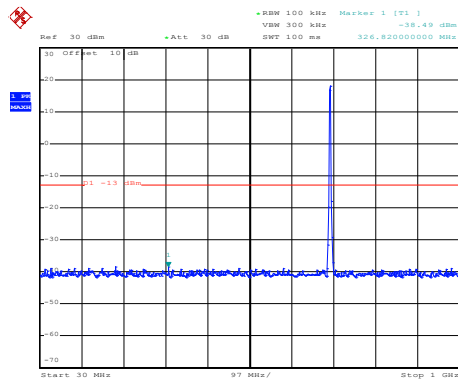
30MHz~1GHz



Date: 22.APR.2019 04:52:55

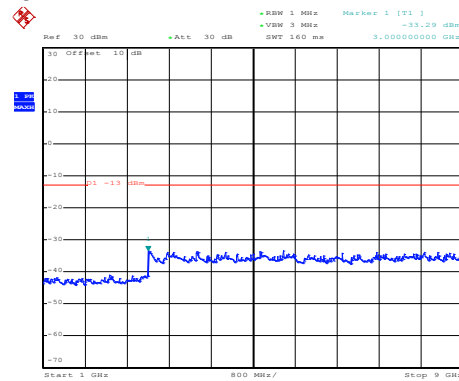
1GHz~25GHz

LTE Band 12: QPSK & RB Size 15
BW: 3MHz
Lowest channel



Date: 22.APR.2019 03:55:03

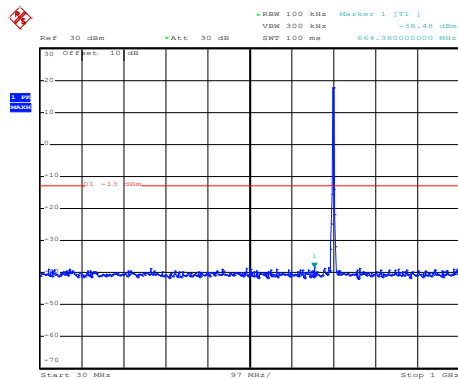
30MHz~1GHz



Date: 22.APR.2019 04:53:41

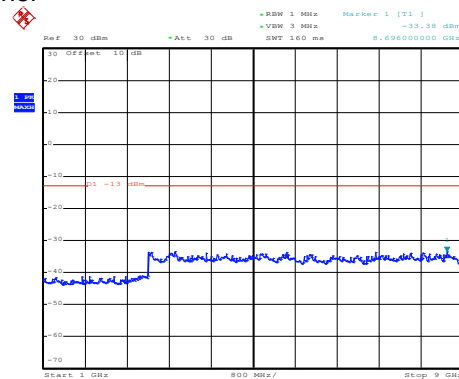
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:53:59

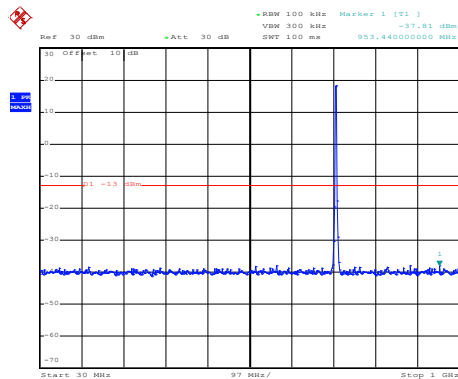
30MHz~1GHz



Date: 22.APR.2019 04:53:28

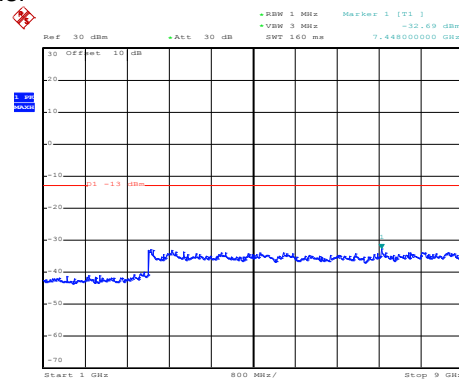
1GHz~25GHz

High channel



Date: 22.APR.2019 03:51:59

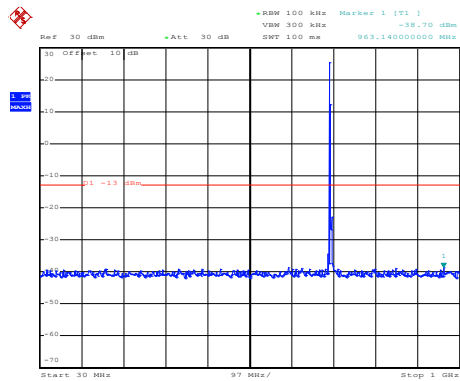
30MHz~1GHz



Date: 22.APR.2019 04:52:40

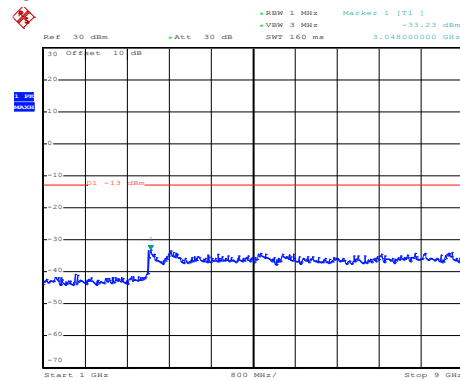
1GHz~25GHz

LTE Band 12: 16 QAM & RB Size 1 BW: 5MHz Lowest channel



Date: 22.APR.2019 03:57:06

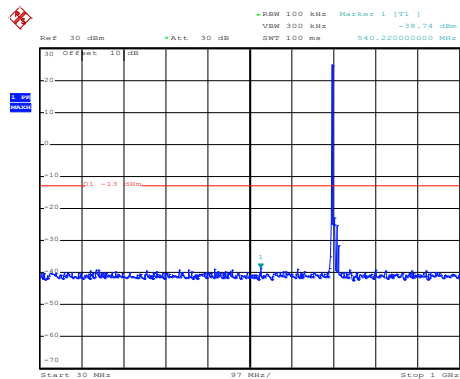
30MHz~1GHz



Date: 22.APR.2019 04:54:17

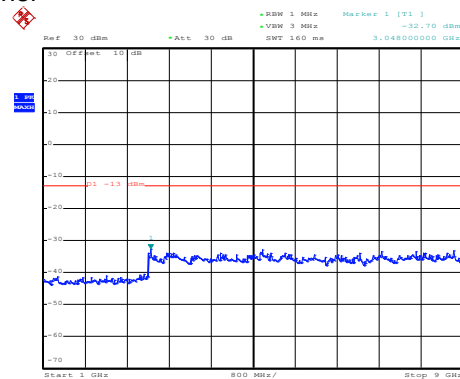
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:59:32

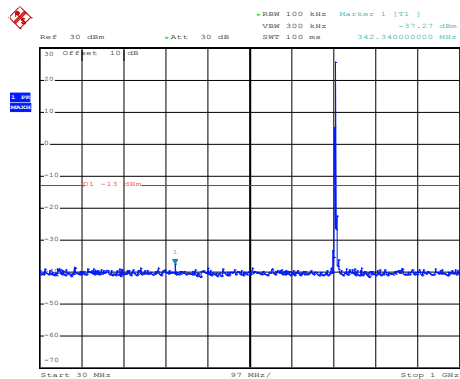
30MHz~1GHz



Date: 22.APR.2019 04:55:11

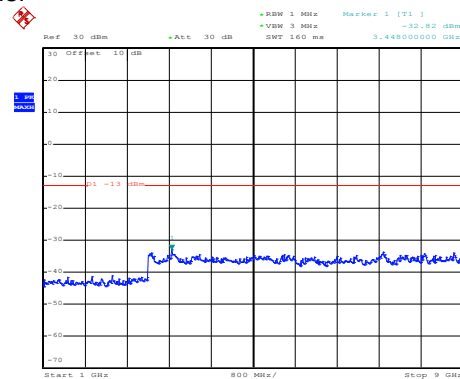
1GHz~25GHz

High channel



Date: 22.APR.2019 04:00:53

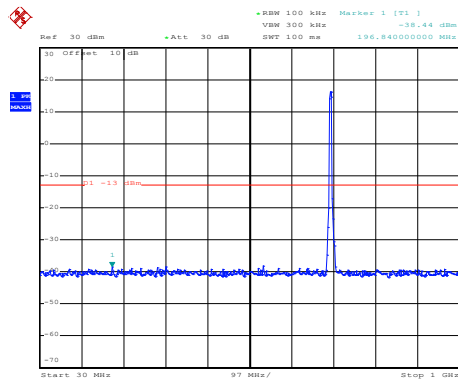
30MHz~1GHz



Date: 22.APR.2019 04:55:24

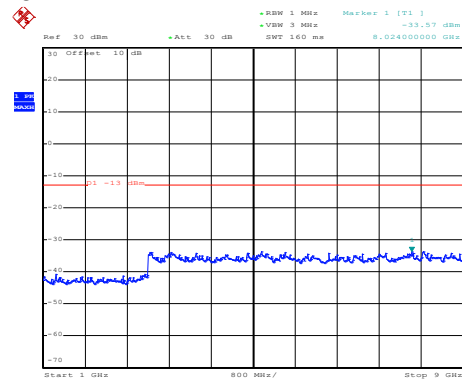
1GHz~25GHz

LTE Band 12: 16 QAM & RB Size 25
BW: 5MHz
Lowest channel



Date: 22.APR.2019 03:58:01

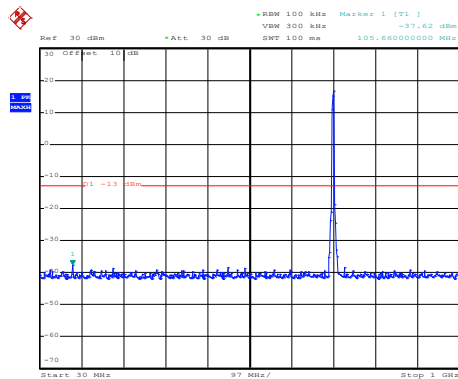
30MHz~1GHz



Date: 22.APR.2019 04:54:33

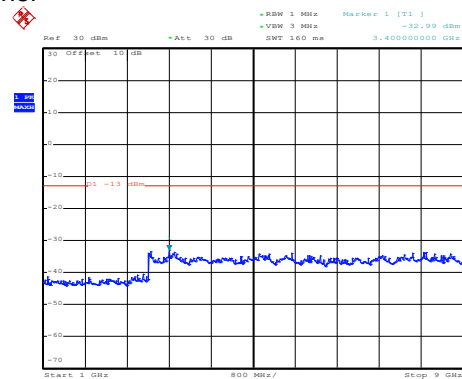
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:58:41

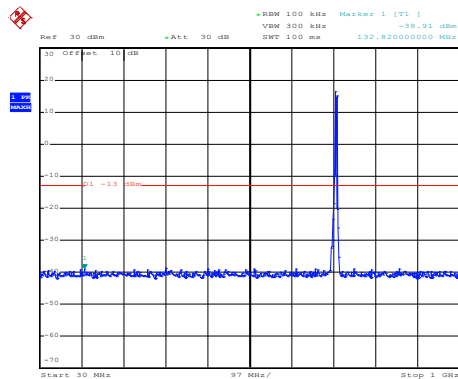
30MHz~1GHz



Date: 22.APR.2019 04:54:49

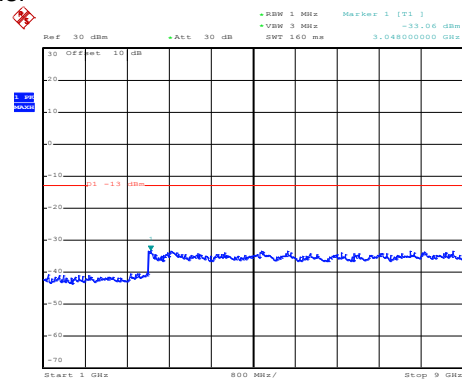
1GHz~25GHz

High channel



Date: 22.APR.2019 04:01:38

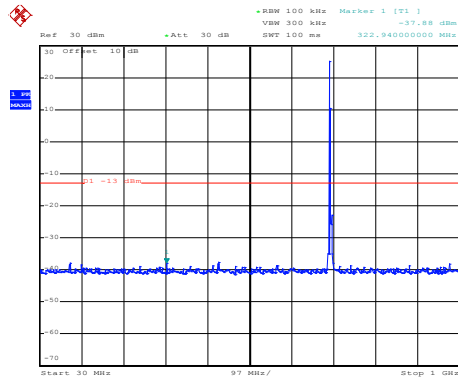
30MHz~1GHz



Date: 22.APR.2019 04:55:59

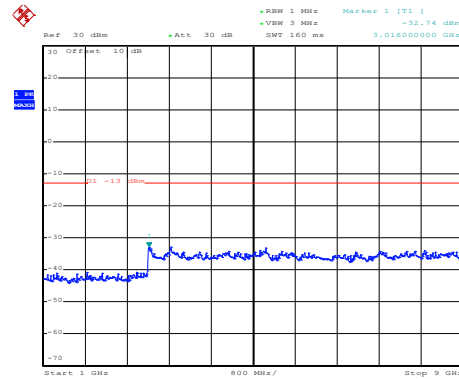
1GHz~25GHz

LTE Band 12: QPSK & RB Size 1
BW: 5MHz
Lowest channel



Date: 22.APR.2019 03:56:48

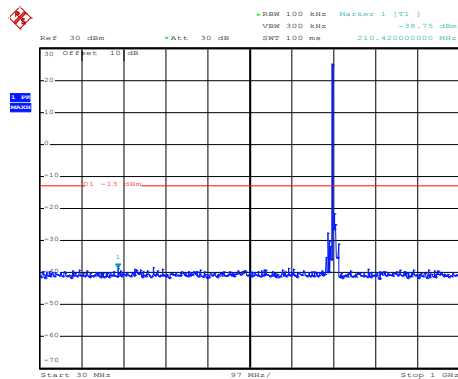
30MHz~1GHz



Date: 22.APR.2019 04:54:11

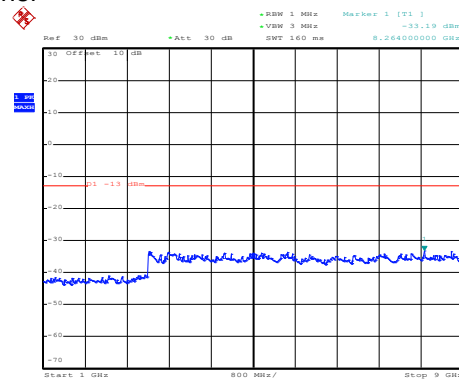
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:59:20

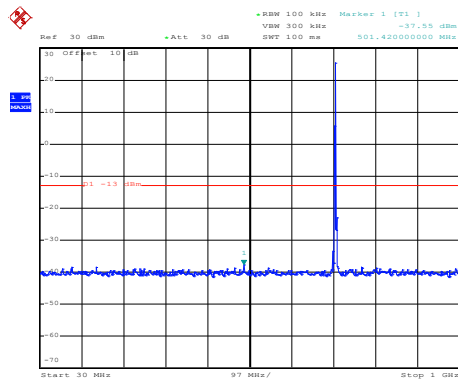
30MHz~1GHz



Date: 22.APR.2019 04:55:02

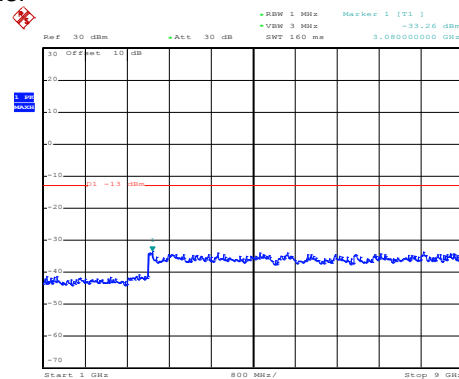
1GHz~25GHz

High channel



Date: 22.APR.2019 04:00:15

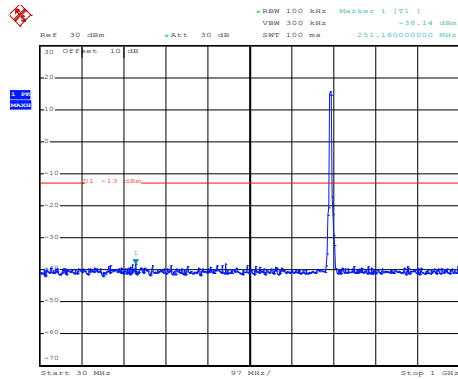
30MHz~1GHz



Date: 22.APR.2019 04:55:18

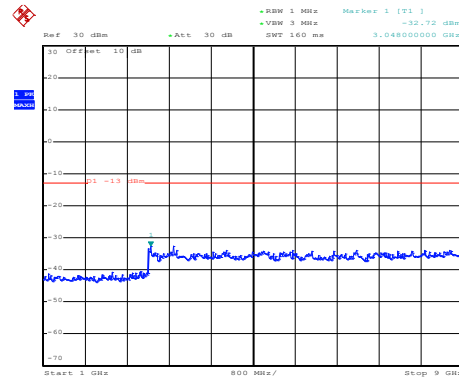
1GHz~25GHz

LTE Band 12: QPSK & RB Size 25 BW: 5MHz Lowest channel



Date: 22.APR.2019 03:57:30

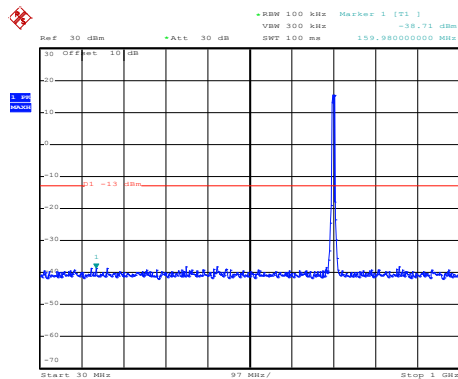
30MHz~1GHz



Date: 22.APR.2019 04:54:25

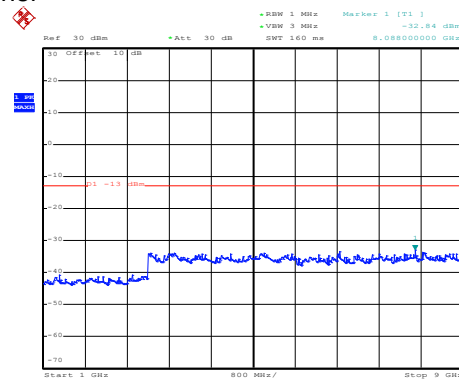
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:58:27

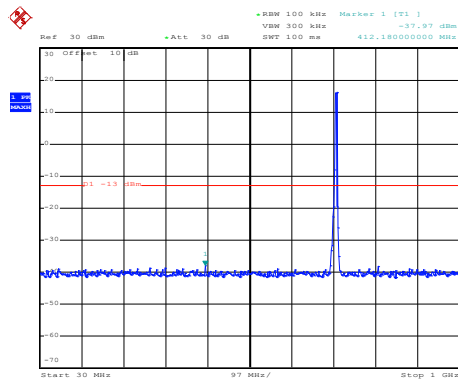
30MHz~1GHz



Date: 22.APR.2019 04:54:41

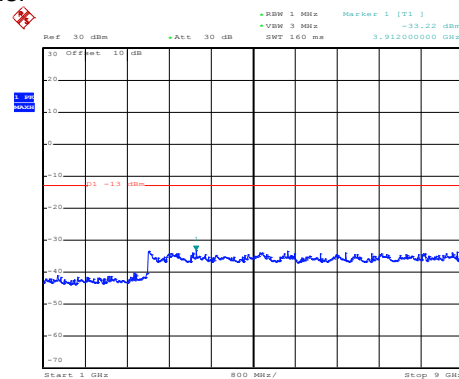
1GHz~25GHz

High channel



Date: 22.APR.2019 04:01:19

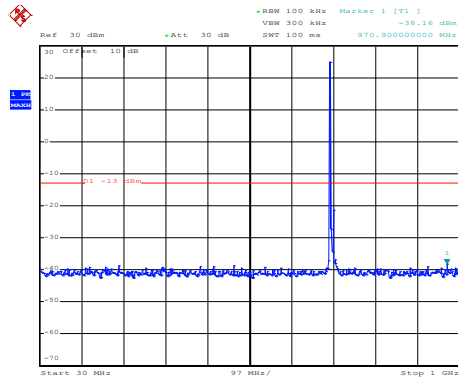
30MHz~1GHz



Date: 22.APR.2019 04:55:34

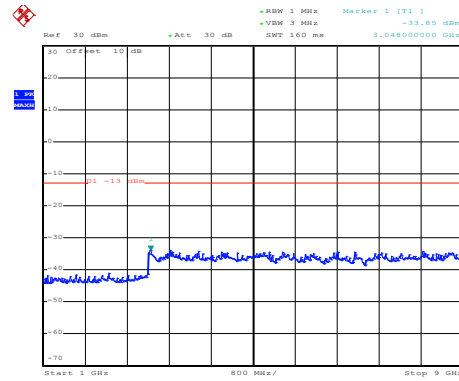
1GHz~25GHz

LTE Band 12: 16 QAM & RB Size 1 BW: 10MHz Lowest channel



Date: 22.APR.2019 04:07:50

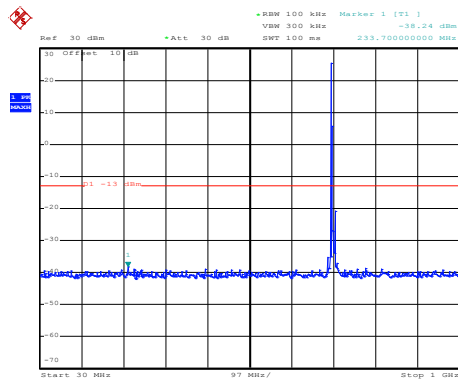
30MHz~1GHz



Date: 22.APR.2019 04:58:23

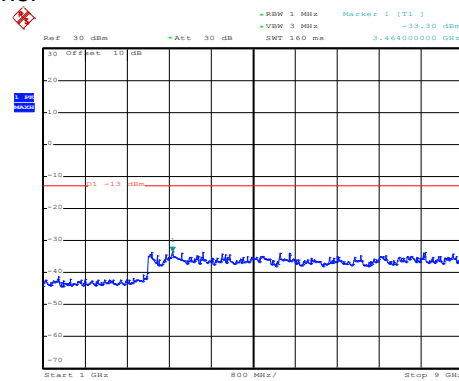
1GHz~25GHz

Middle channel



Date: 22.APR.2019 04:05:04

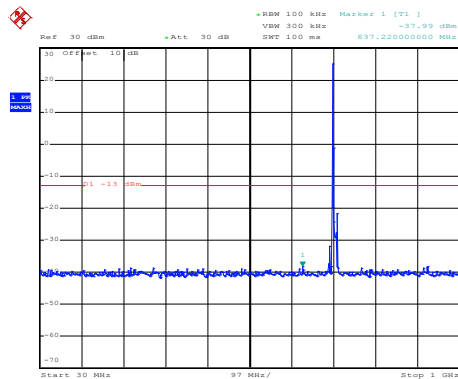
30MHz~1GHz



Date: 22.APR.2019 04:57:44

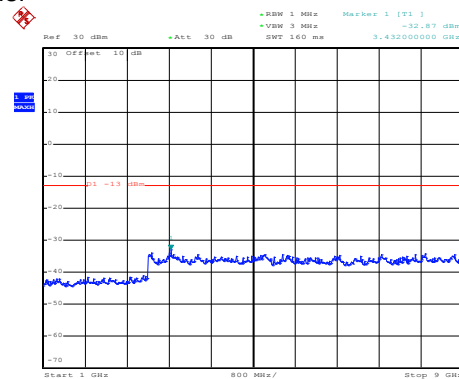
1GHz~25GHz

High channel



Date: 22.APR.2019 04:04:18

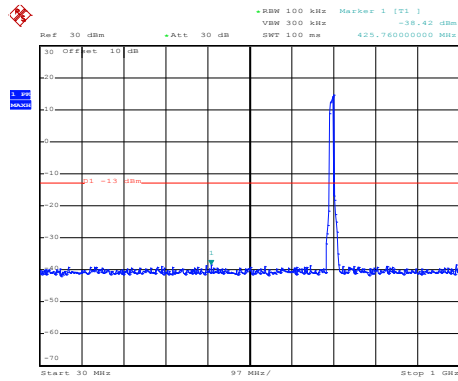
30MHz~1GHz



Date: 22.APR.2019 04:57:33

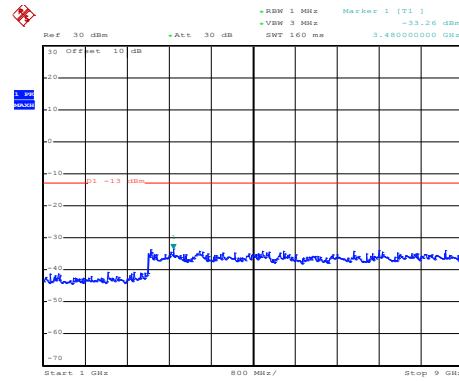
1GHz~25GHz

LTE Band 12: 16 QAM & RB Size 50 BW: 10MHz Lowest channel



Date: 22.APR.2019 04:07:15

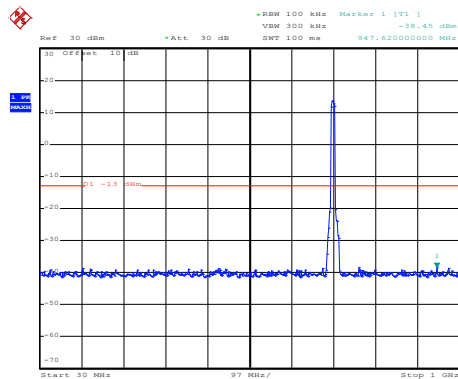
30MHz~1GHz



Date: 22.APR.2019 04:58:10

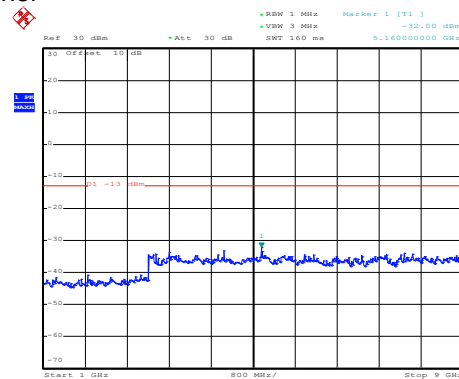
1GHz~25GHz

Middle channel



Date: 22.APR.2019 04:06:04

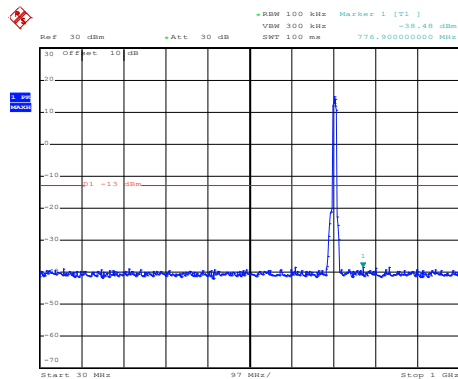
30MHz~1GHz



Date: 22.APR.2019 04:57:59

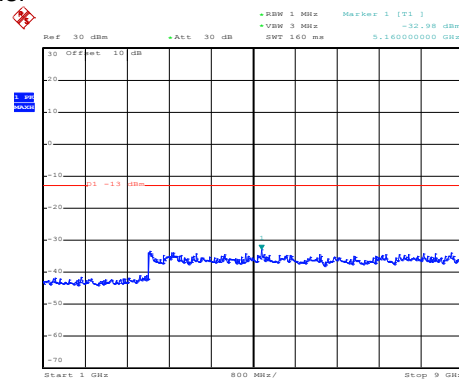
1GHz~25GHz

High channel



Date: 22.APR.2019 04:02:15

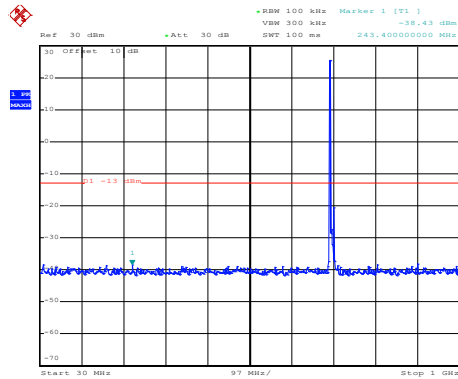
30MHz~1GHz



Date: 22.APR.2019 04:57:15

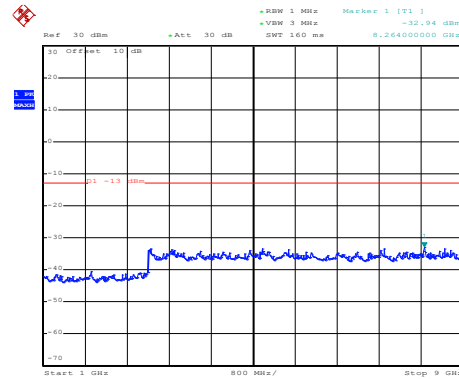
1GHz~25GHz

LTE Band 12: QPSK & RB Size 1 BW: 10MHz Lowest channel



Date: 22.APR.2019 04:07:38

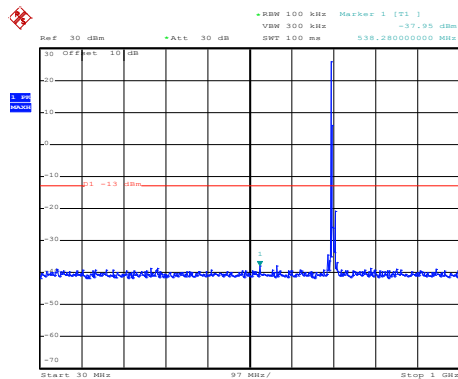
30MHz~1GHz



Date: 22.APR.2019 04:58:18

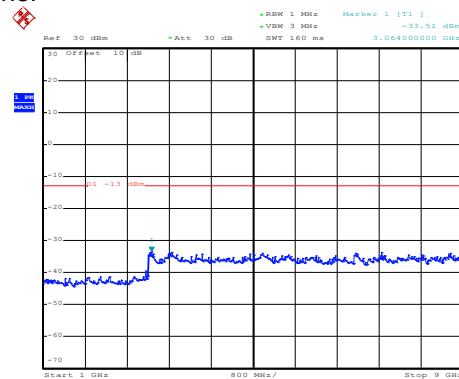
1GHz~25GHz

Middle channel



Date: 22.APR.2019 04:04:47

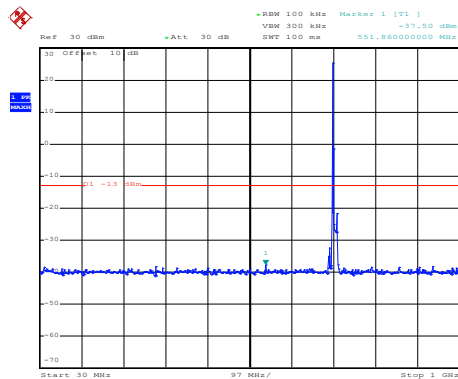
30MHz~1GHz



Date: 22.APR.2019 04:57:39

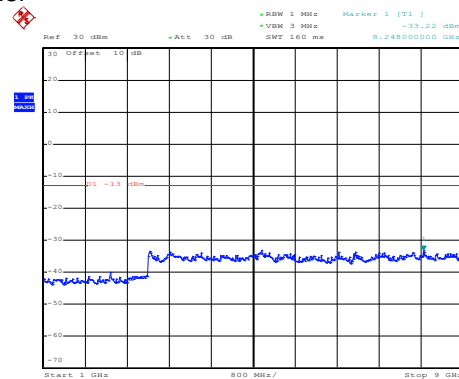
1GHz~25GHz

High channel



Date: 22.APR.2019 04:03:51

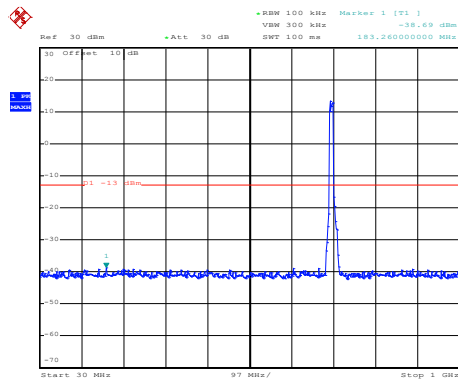
30MHz~1GHz



Date: 22.APR.2019 04:57:28

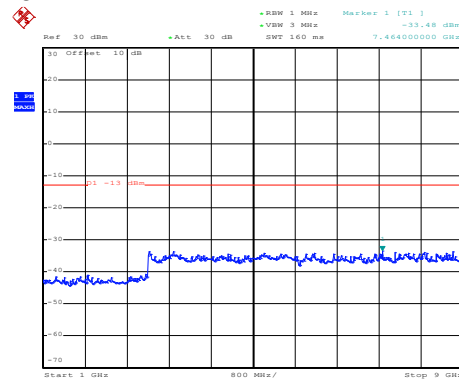
1GHz~25GHz

LTE Band 12: QPSK & RB Size 50 BW: 10MHz Lowest channel



Date: 22.APR.2019 04:06:55

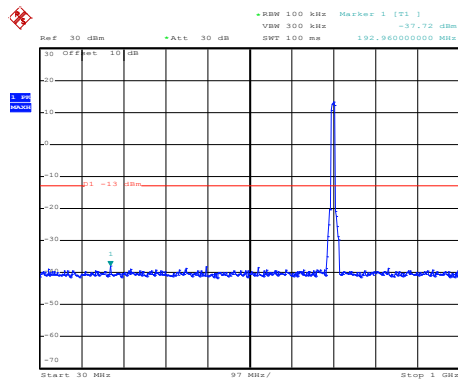
30MHz~1GHz



Date: 22.APR.2019 04:58:06

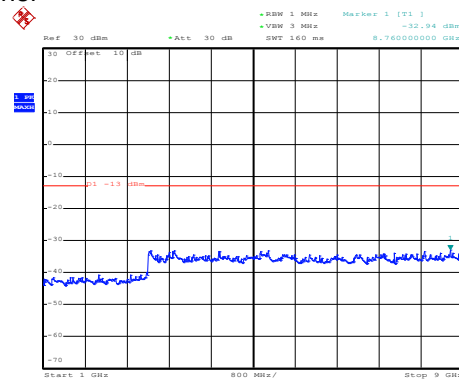
1GHz~25GHz

Middle channel



Date: 22.APR.2019 04:05:37

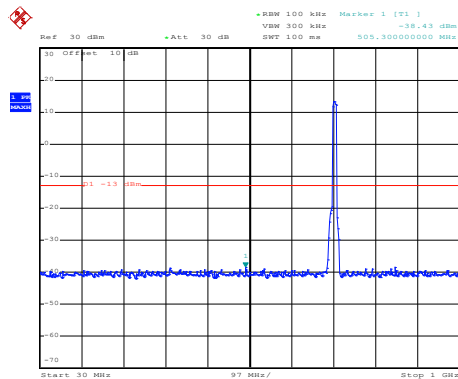
30MHz~1GHz



Date: 22.APR.2019 04:57:54

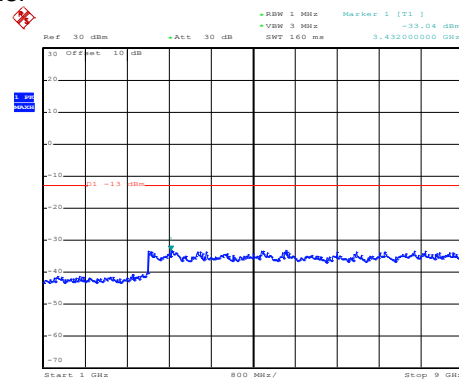
1GHz~25GHz

High channel



Date: 22.APR.2019 04:02:37

30MHz~1GHz

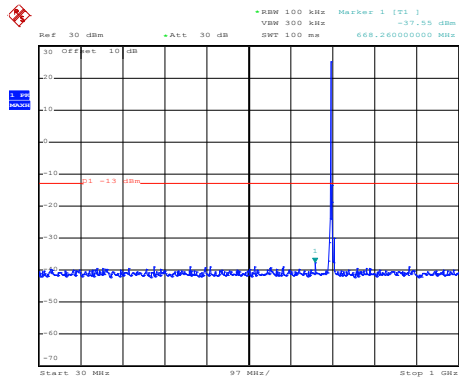


Date: 22.APR.2019 04:56:21

1GHz~25GHz

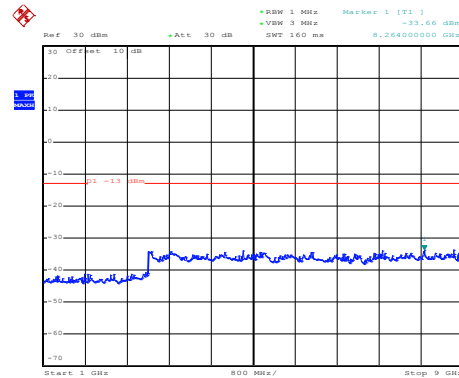
LTE Band 17 part:

LTE Band 17: 16 QAM & RB Size 1 BW: 5MHz Lowest channel



Date: 22.APR.2019 03:43:42

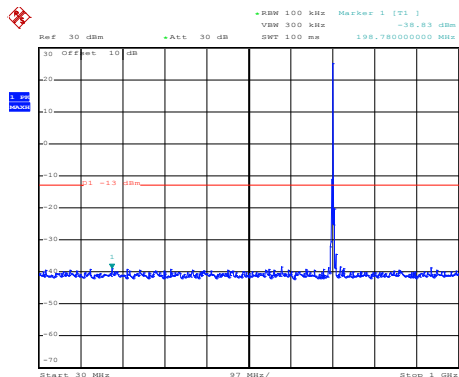
30MHz~1GHz



Date: 22.APR.2019 05:02:01

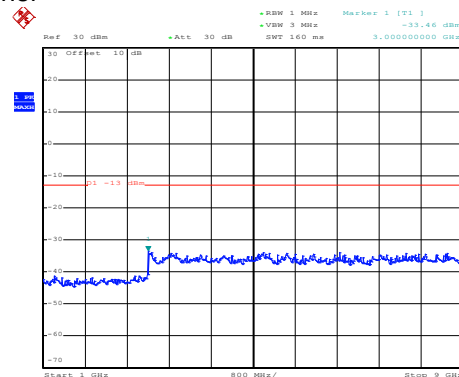
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:41:17

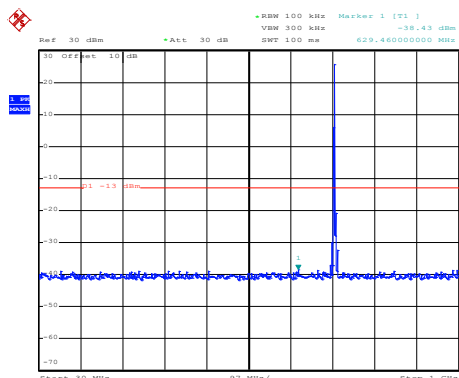
30MHz~1GHz



Date: 22.APR.2019 05:01:02

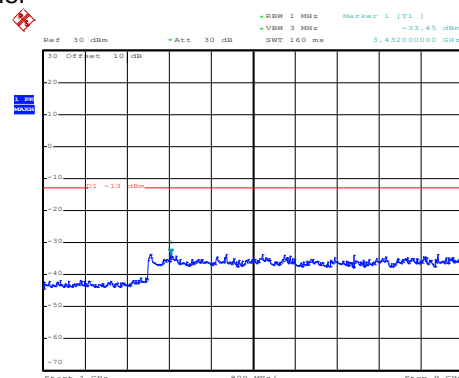
1GHz~25GHz

High channel



Date: 22.APR.2019 03:40:34

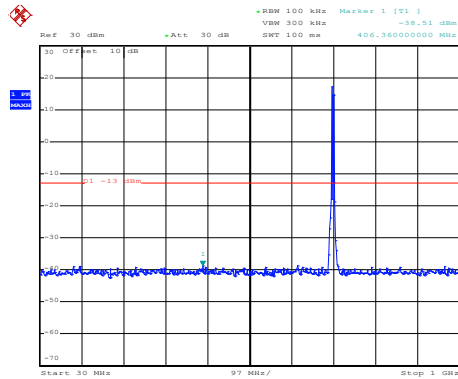
30MHz~1GHz



Date: 22.APR.2019 05:00:30

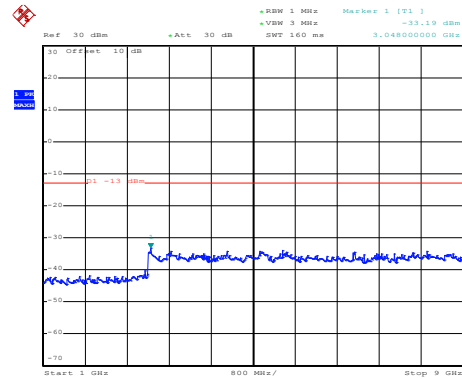
1GHz~25GHz

LTE Band 17: 16 QAM & RB Size 25
BW: 5MHz
Lowest channel



Date: 22.APR.2019 03:42:57

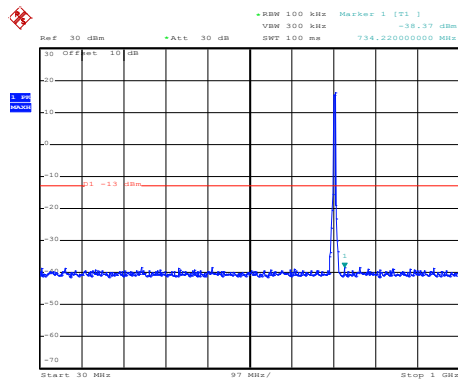
30MHz~1GHz



Date: 22.APR.2019 05:01:42

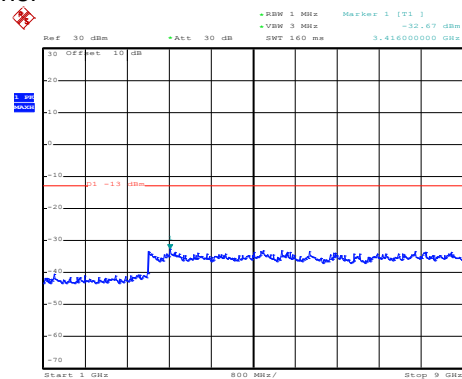
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:42:12

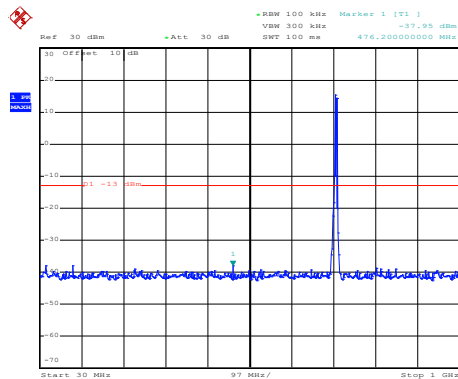
30MHz~1GHz



Date: 22.APR.2019 05:01:30

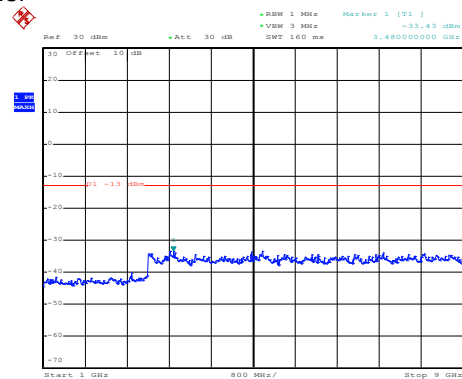
1GHz~25GHz

High channel



Date: 22.APR.2019 03:39:51

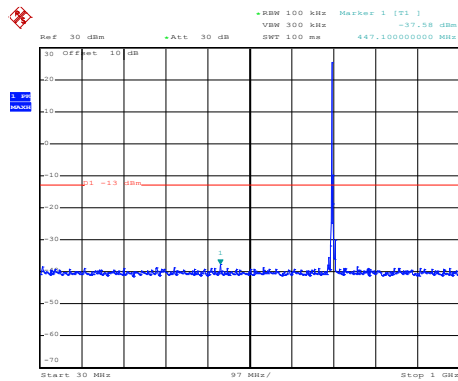
30MHz~1GHz



Date: 22.APR.2019 05:00:13

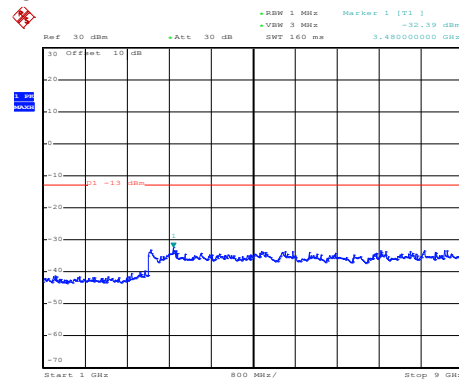
1GHz~25GHz

LTE Band 17: QPSK & RB Size 1
BW: 5MHz
Lowest channel



Date: 22.APR.2019 03:43:30

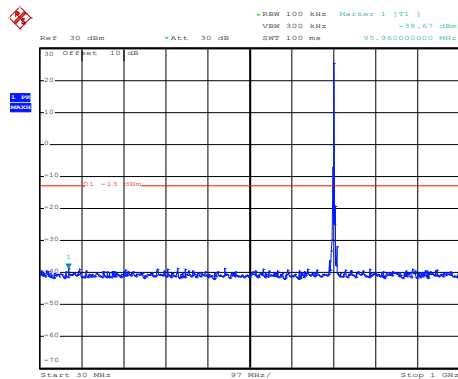
30MHz~1GHz



Date: 22.APR.2019 05:01:55

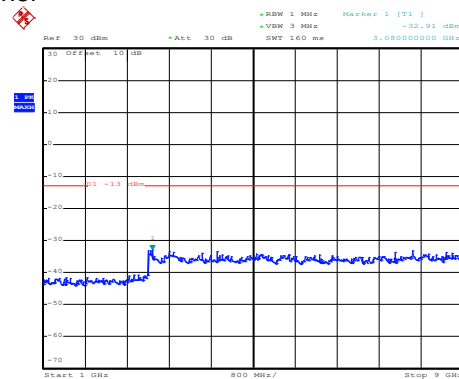
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:41:04

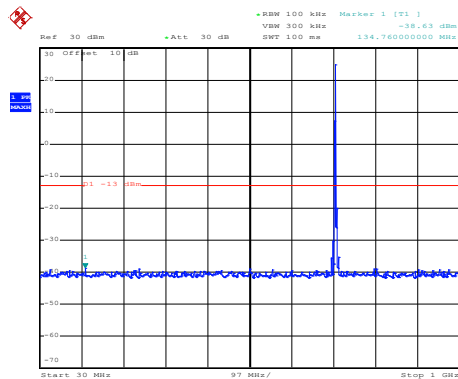
30MHz~1GHz



Date: 22.APR.2019 05:00:56

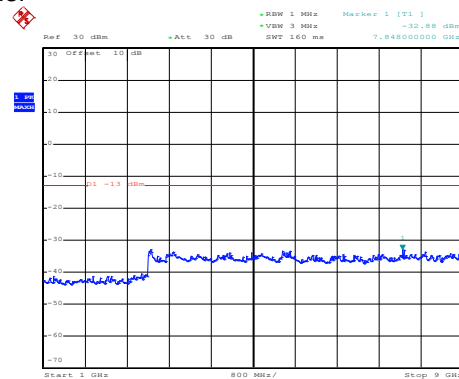
1GHz~25GHz

High channel



Date: 22.APR.2019 03:40:10

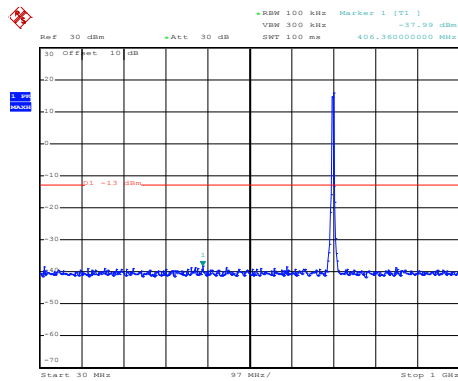
30MHz~1GHz



Date: 22.APR.2019 05:00:23

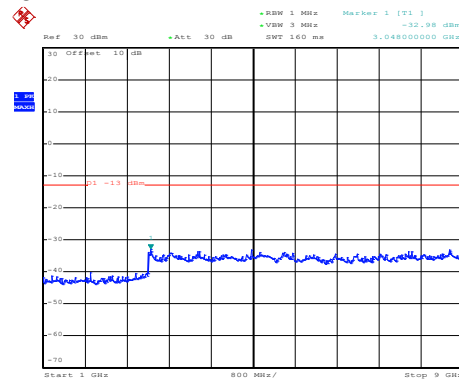
1GHz~25GHz

LTE Band 17: QPSK & RB Size 25 BW: 5MHz Lowest channel



Date: 22.APR.2019 03:42:43

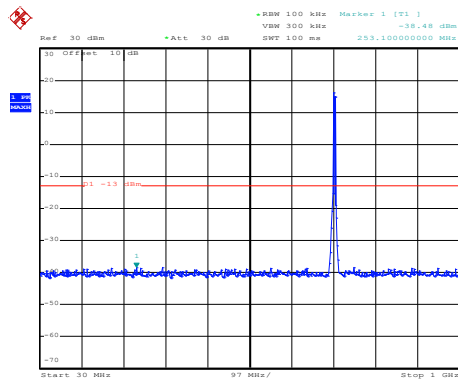
30MHz~1GHz



Date: 22.APR.2019 05:02:10

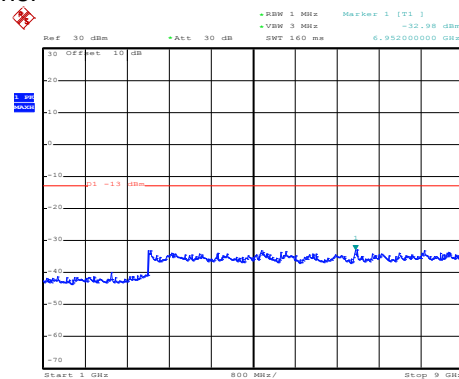
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:41:45

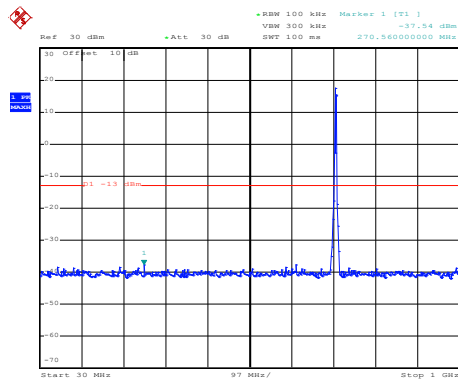
30MHz~1GHz



Date: 22.APR.2019 05:01:15

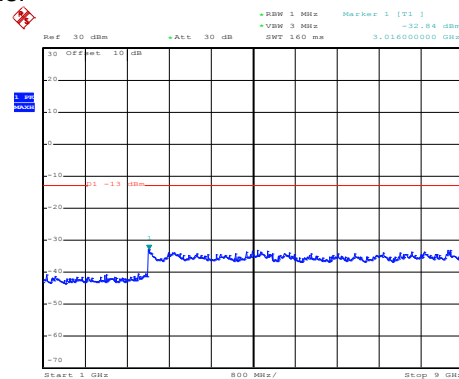
1GHz~25GHz

High channel



Date: 22.APR.2019 03:39:39

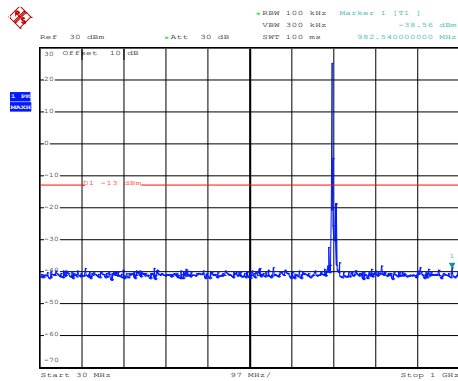
30MHz~1GHz



Date: 22.APR.2019 05:00:07

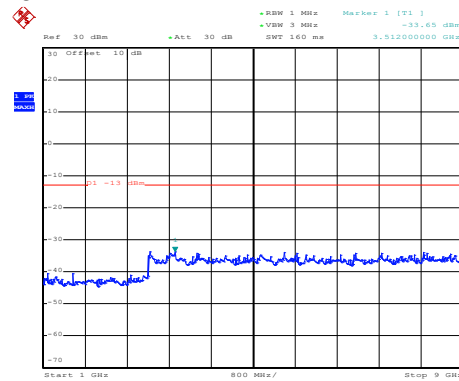
1GHz~25GHz

LTE Band 17: 16 QAM & RB Size 1 BW: 10MHz Lowest channel



Date: 22.APR.2019 03:34:10

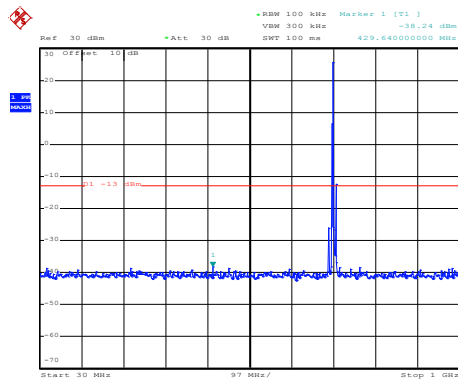
30MHz~1GHz



Date: 22.APR.2019 04:58:36

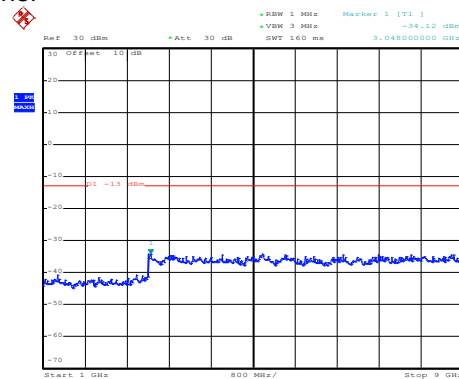
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:37:36

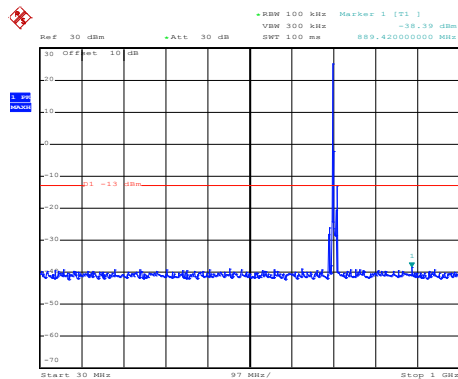
30MHz~1GHz



Date: 22.APR.2019 04:59:18

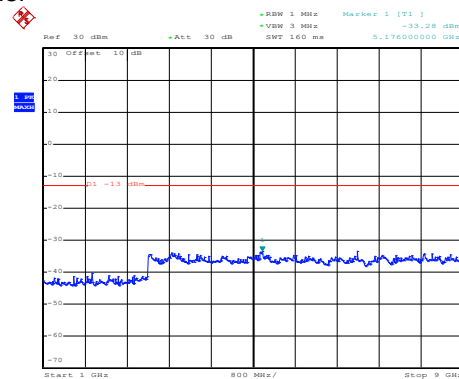
1GHz~25GHz

High channel



Date: 22.APR.2019 03:38:20

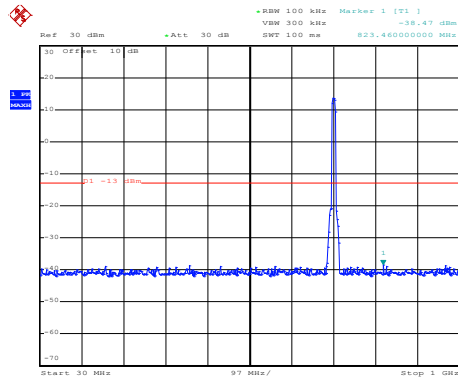
30MHz~1GHz



Date: 22.APR.2019 04:59:37

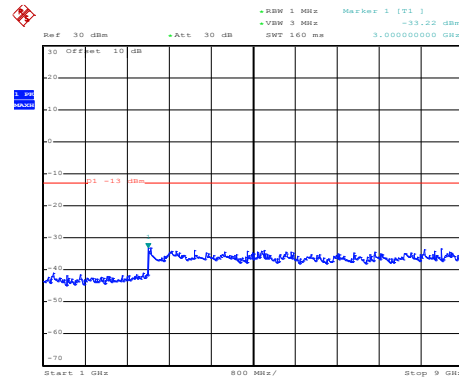
1GHz~25GHz

LTE Band 17: 16 QAM & RB Size 50 BW: 10MHz Lowest channel



Date: 22.APR.2019 03:35:12

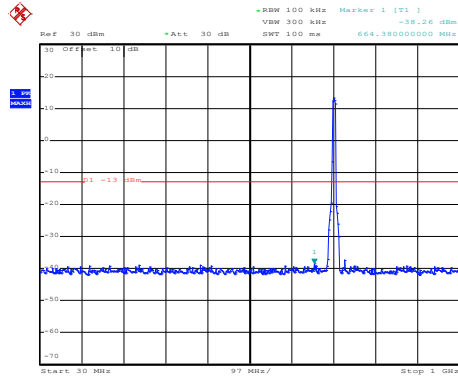
30MHz~1GHz



Date: 22.APR.2019 04:58:49

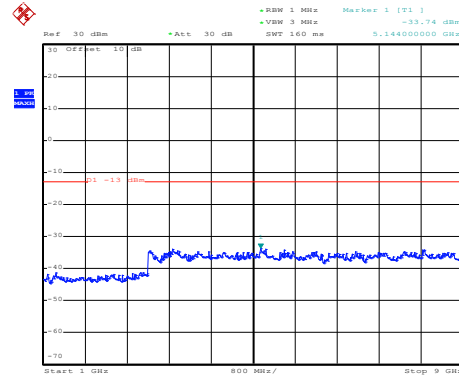
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:36:42

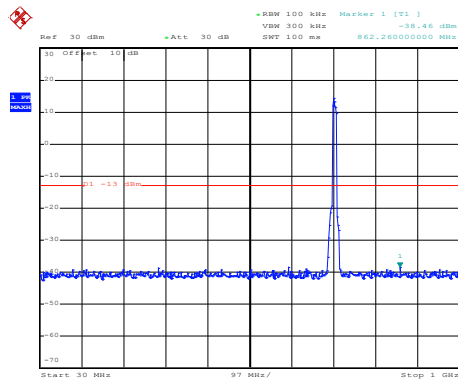
30MHz~1GHz



Date: 22.APR.2019 04:59:03

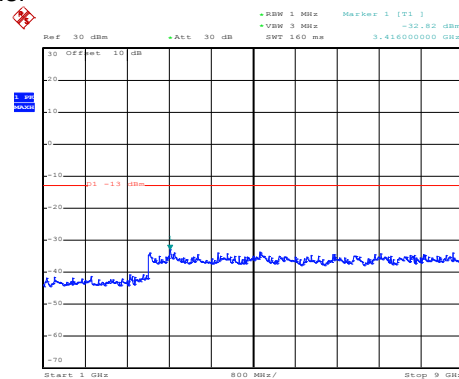
1GHz~25GHz

High channel



Date: 22.APR.2019 03:38:57

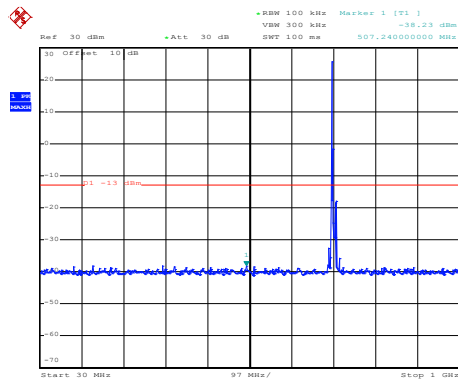
30MHz~1GHz



Date: 22.APR.2019 04:59:51

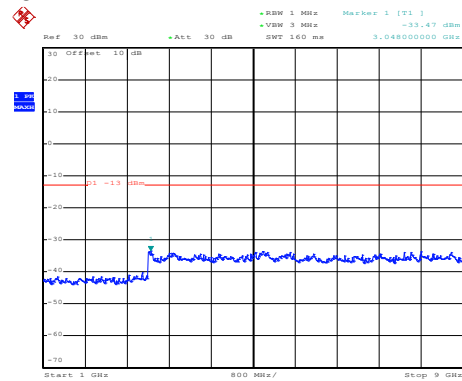
1GHz~25GHz

LTE Band 17: QPSK & RB Size 1 BW: 10MHz Lowest channel



Date: 22.APR.2019 03:33:51

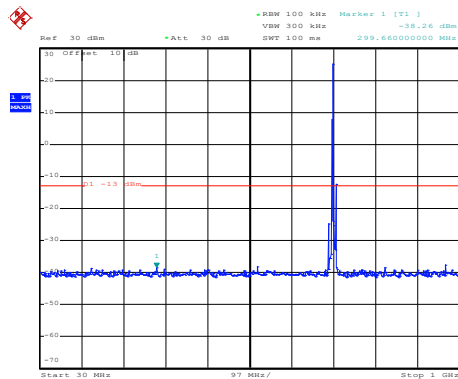
30MHz~1GHz



Date: 22.APR.2019 04:58:32

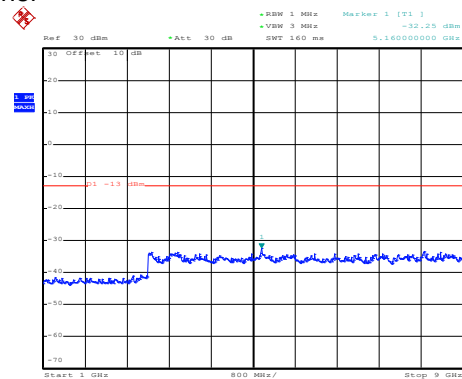
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:37:21

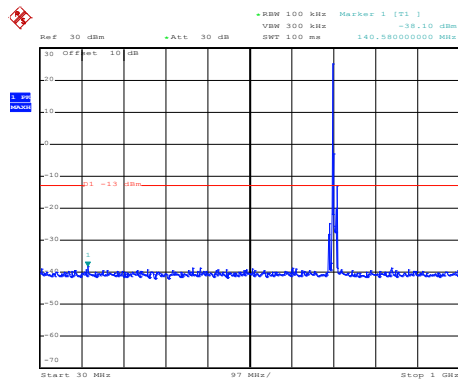
30MHz~1GHz



Date: 22.APR.2019 04:59:13

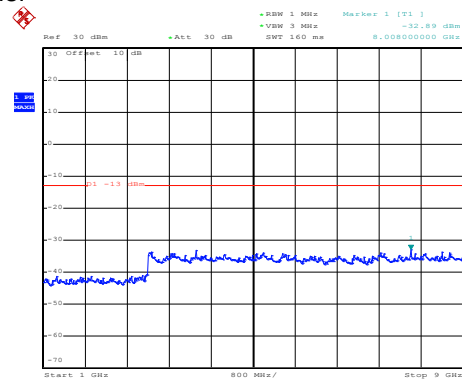
1GHz~25GHz

High channel



Date: 22.APR.2019 03:38:04

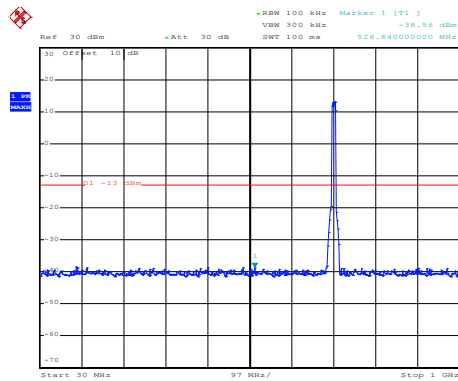
30MHz~1GHz



Date: 22.APR.2019 04:59:31

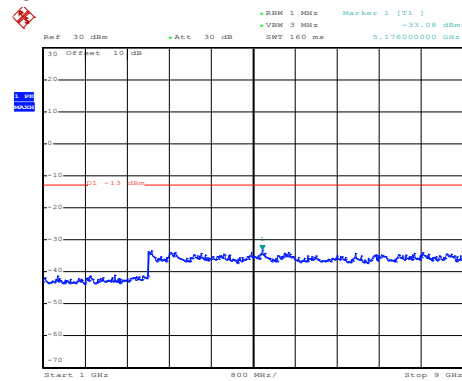
1GHz~25GHz

LTE Band 17: QPSK & RB Size 50
BW: 10MHz
Lowest channel



Date: 22.APR.2019 03:34:43

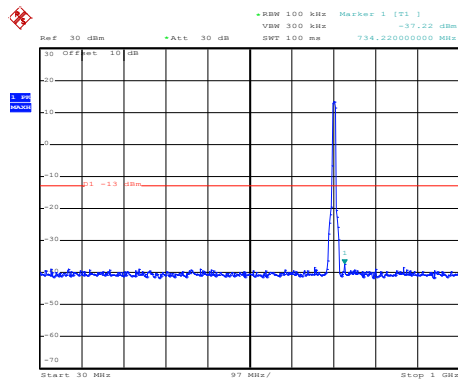
30MHz~1GHz



Date: 22.APR.2019 04:58:44

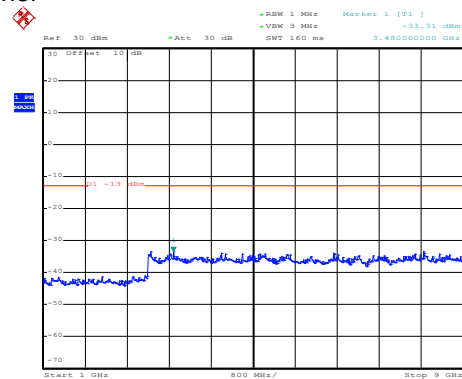
1GHz~25GHz

Middle channel



Date: 22.APR.2019 03:36:51

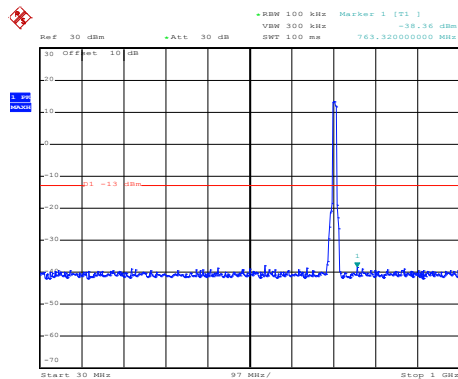
30MHz~1GHz



Date: 22.APR.2019 04:58:57

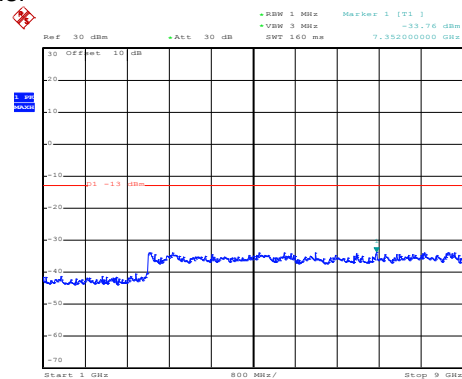
1GHz~25GHz

High channel



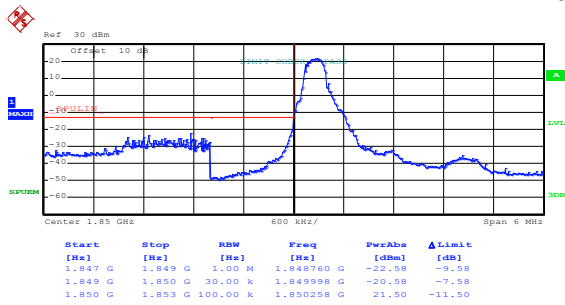
Date: 22.APR.2019 03:38:43

30MHz~1GHz



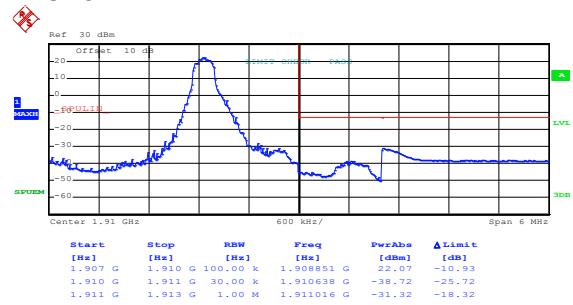
Date: 22.APR.2019 04:59:46

1GHz~25GHz

Band edge emission:**LTE Band 2 part:****LTE Band 2, BW: 1.4MHz
16QAM & RB Size 1**

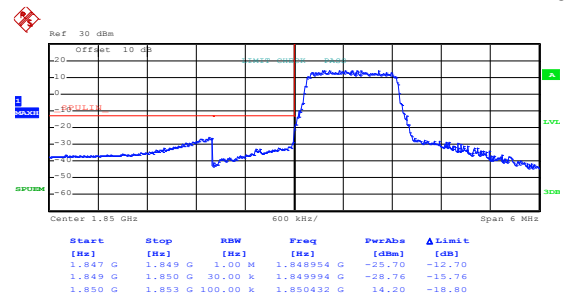
Date: 17.APR.2019 02:47:17

Lowest channel



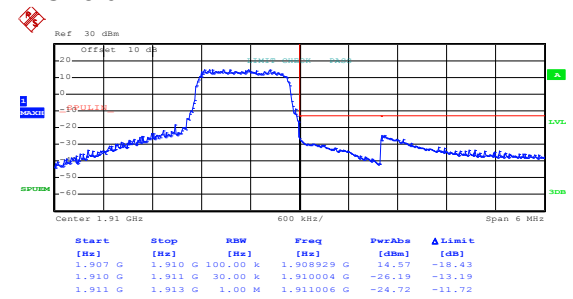
Date: 17.APR.2019 02:49:02

Highest channel

16QAM & RB Size 6

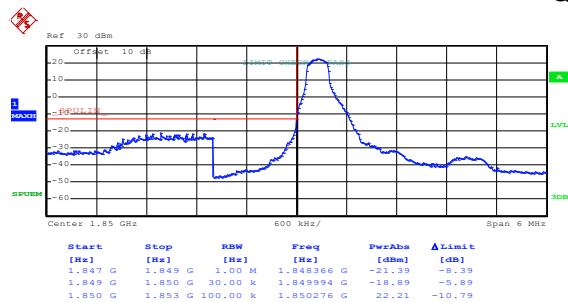
Date: 17.APR.2019 02:47:46

Lowest channel



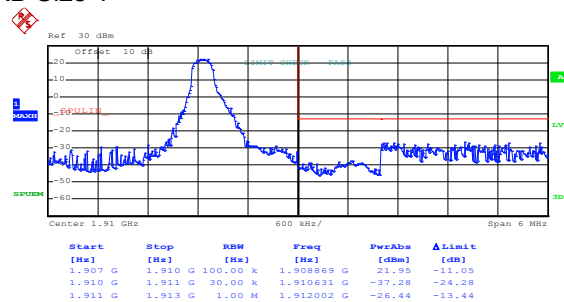
Date: 17.APR.2019 02:48:46

Highest channel

LTE Band 2, BW: 1.4MHz
QPSK & RB Size 1

Date: 17.APR.2019 02:47:07

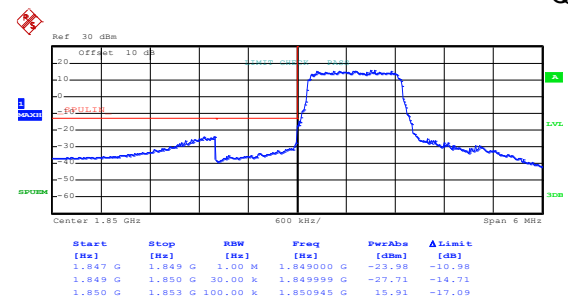
Lowest channel



Date: 17.APR.2019 02:48:55

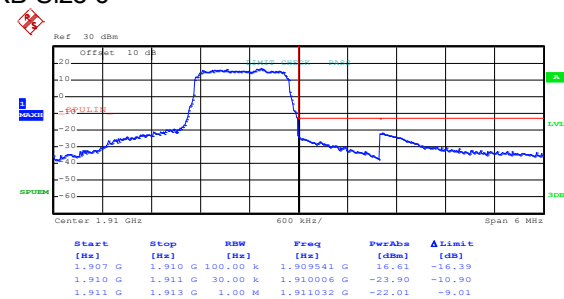
Highest channel

QPSK & RB Size 6



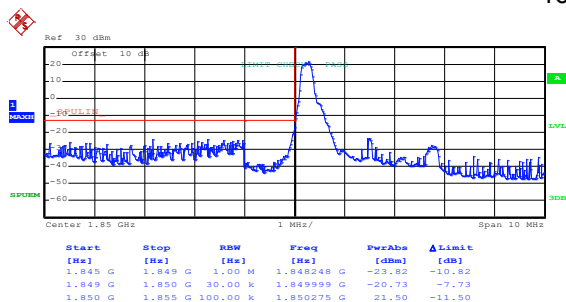
Date: 17.APR.2019 02:47:39

Lowest channel



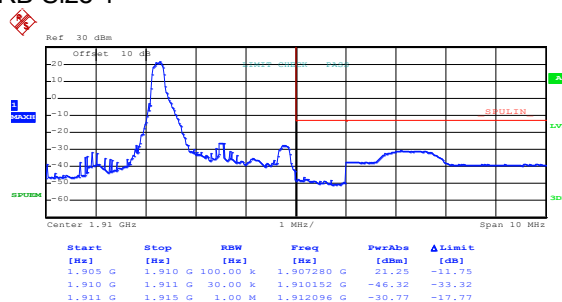
Date: 17.APR.2019 02:48:39

Highest channel

LTE Band 2, BW: 3MHz
16QAM & RB Size 1

Date: 17.APR.2019 02:52:23

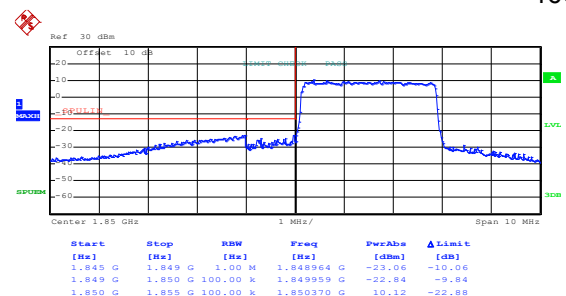
Lowest channel



Date: 17.APR.2019 02:50:58

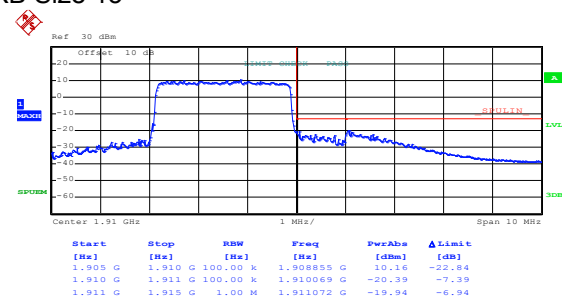
Highest channel

16QAM & RB Size 15



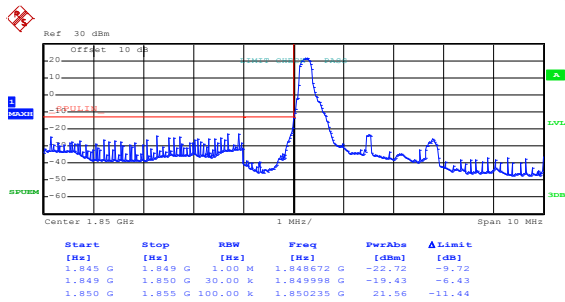
Date: 17.APR.2019 02:51:55

Lowest channel



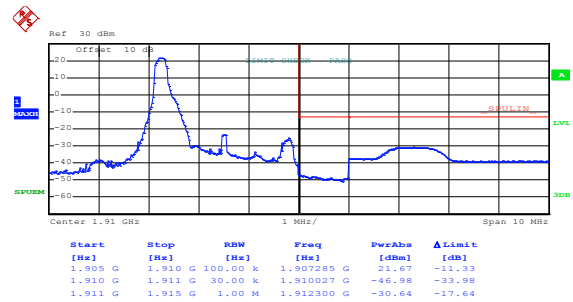
Date: 17.APR.2019 02:51:21

Highest channel

LTE Band 2, BW: 3MHz
QPSK & RB Size 1

Date: 17.APR.2019 02:52:15

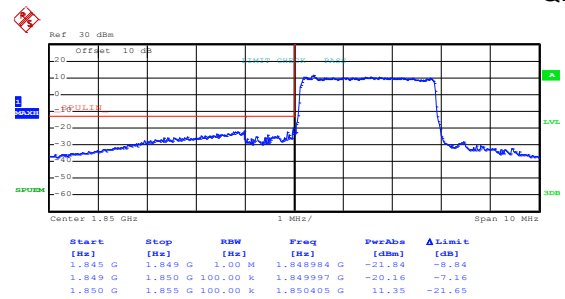
Lowest channel



Date: 17.APR.2019 02:50:34

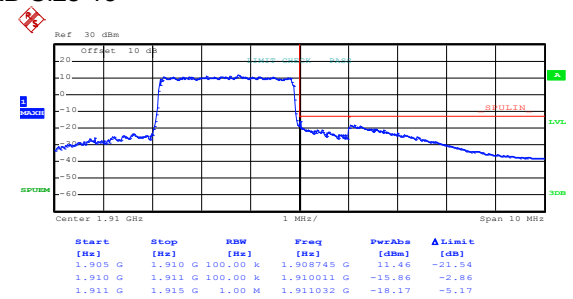
Highest channel

QPSK & RB Size 15



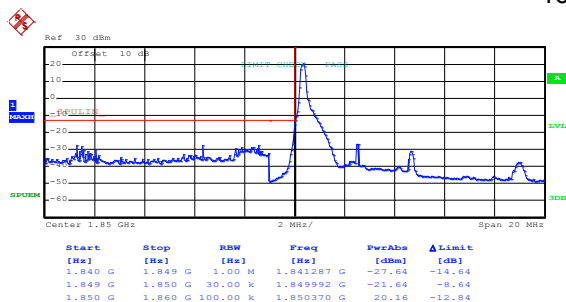
Date: 17.APR.2019 02:51:46

Lowest channel



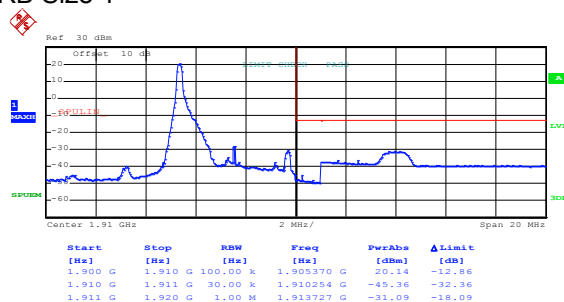
Date: 17.APR.2019 02:51:15

Highest channel

LTE Band 2, BW: 5MHz
16QAM & RB Size 1

Date: 17.APR.2019 02:53:14

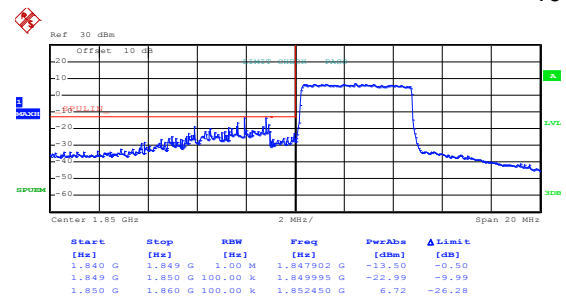
Lowest channel



Date: 17.APR.2019 02:54:40

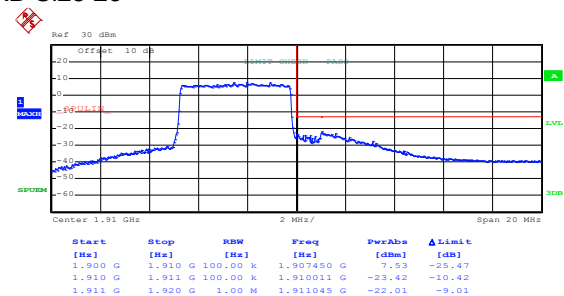
Highest channel

16QAM & RB Size 25



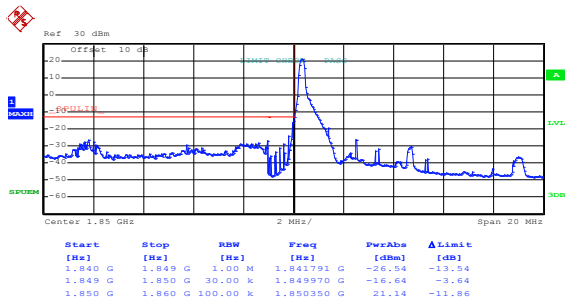
Date: 17.APR.2019 02:53:44

Lowest channel



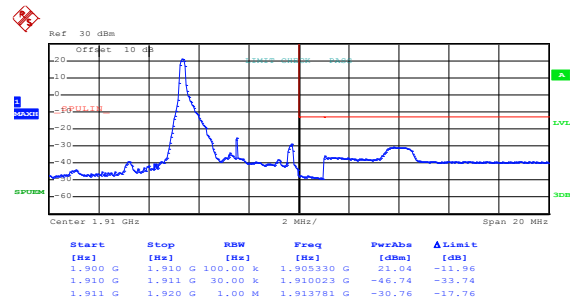
Date: 17.APR.2019 02:54:15

Highest channel

LTE Band 2, BW: 5MHz
QPSK & RB Size 1

Date: 17.APR.2019 02:53:06

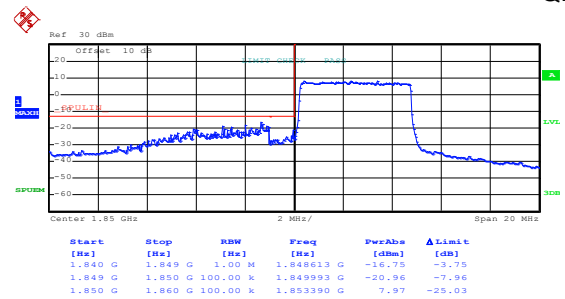
Lowest channel



Date: 17.APR.2019 02:54:32

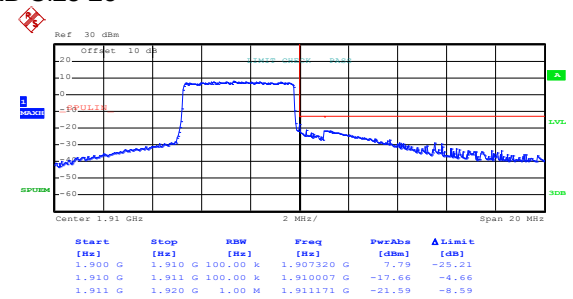
Highest channel

QPSK & RB Size 25



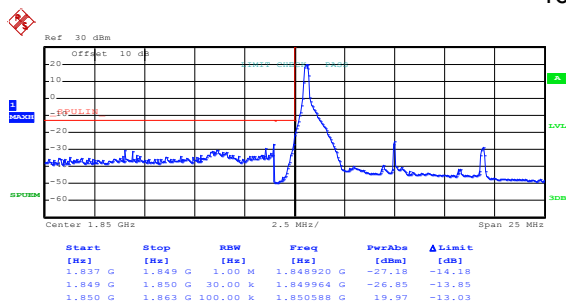
Date: 17.APR.2019 02:53:32

Lowest channel



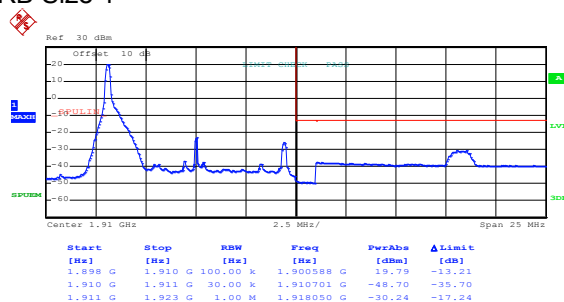
Date: 17.APR.2019 02:54:08

Highest channel

LTE Band 2, BW: 10MHz
16QAM & RB Size 1

Date: 17.APR.2019 03:06:50

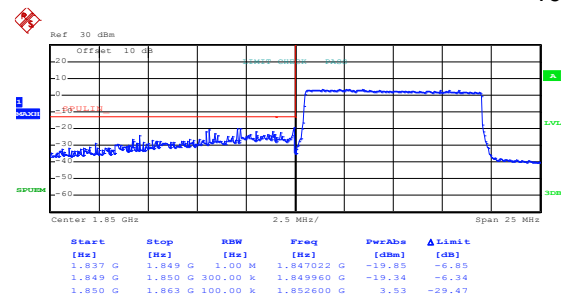
Lowest channel



Date: 17.APR.2019 02:55:34

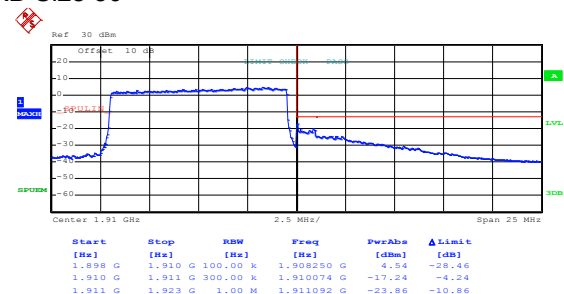
Highest channel

16QAM & RB Size 50



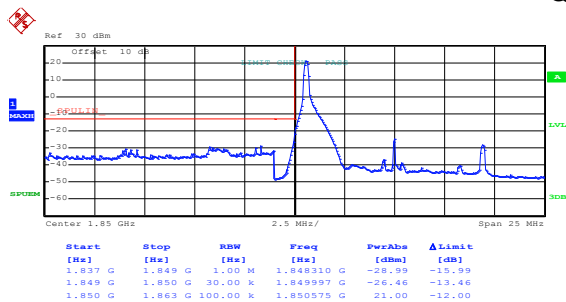
Date: 17.APR.2019 03:07:16

Lowest channel



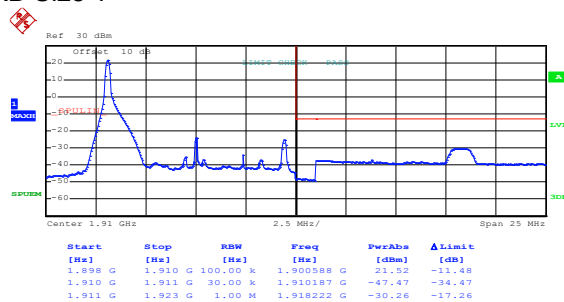
Date: 17.APR.2019 02:56:10

Highest channel

LTE Band 2, BW: 10MHz
QPSK & RB Size 1

Date: 17.APR.2019 03:06:41

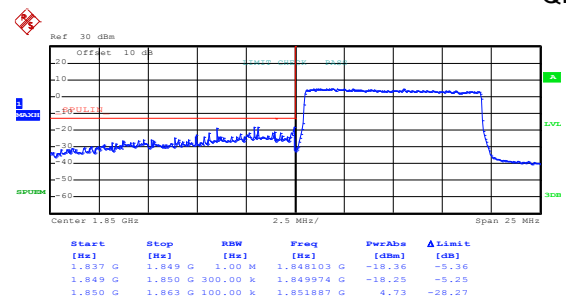
Lowest channel



Date: 17.APR.2019 02:55:25

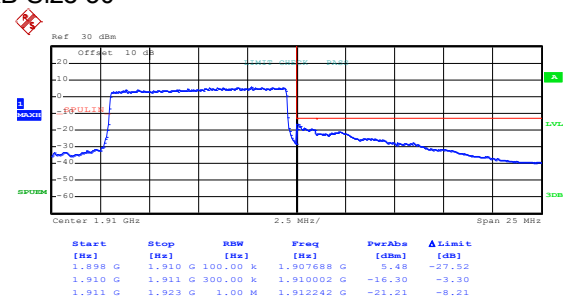
Highest channel

QPSK & RB Size 50



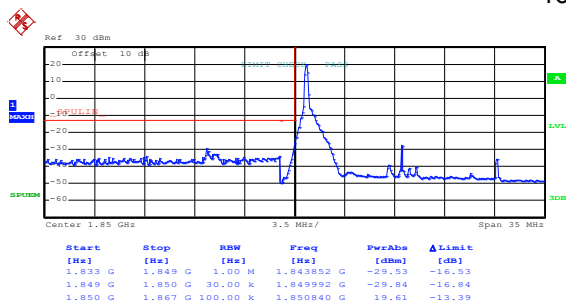
Date: 17.APR.2019 03:07:09

Lowest channel



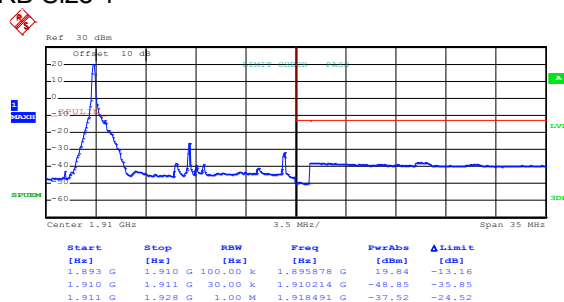
Date: 17.APR.2019 02:55:56

Highest channel

LTE Band 2, BW: 15MHz
16QAM & RB Size 1

Date: 17.APR.2019 03:08:19

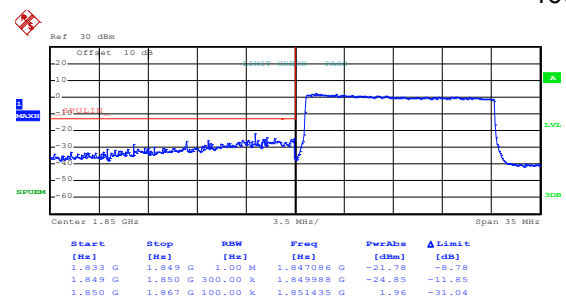
Lowest channel



Date: 17.APR.2019 03:08:47

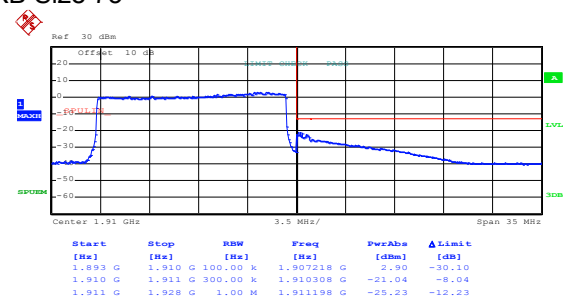
Highest channel

16QAM & RB Size 75



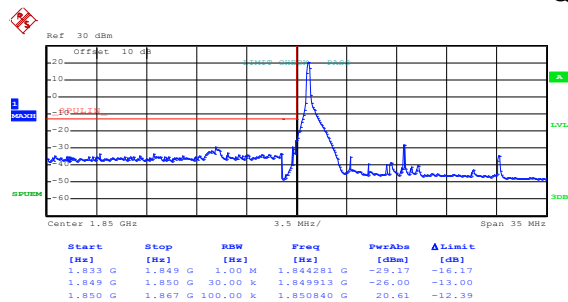
Date: 17.APR.2019 03:07:57

Lowest channel



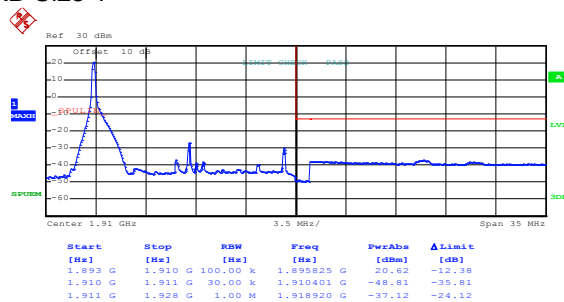
Date: 17.APR.2019 03:09:12

Highest channel

LTE Band 2, BW: 15MHz
QPSK & RB Size 1

Date: 17.APR.2019 03:08:11

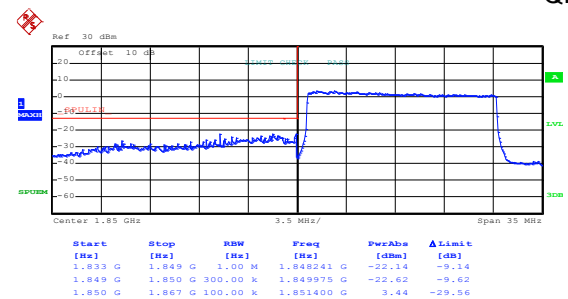
Lowest channel



Date: 17.APR.2019 03:08:38

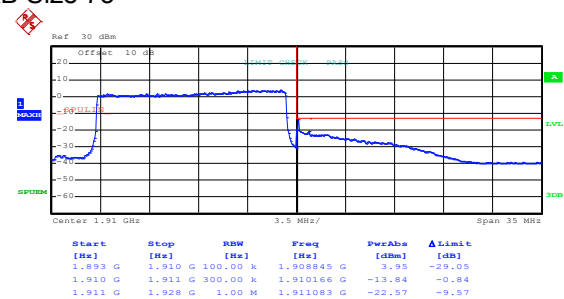
Highest channel

QPSK & RB Size 75



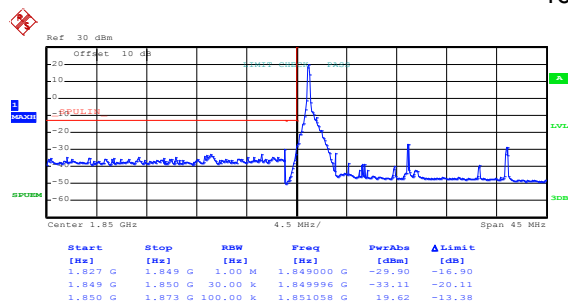
Date: 17.APR.2019 03:07:48

Lowest channel



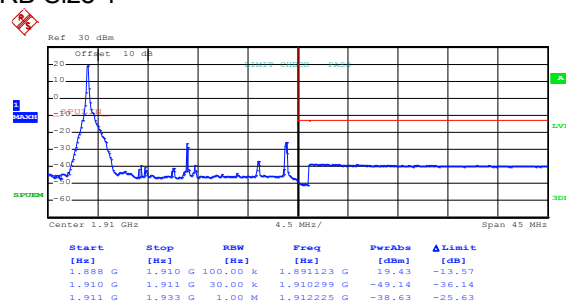
Date: 17.APR.2019 03:09:05

Highest channel

LTE Band 2, BW: 20MHz
16QAM & RB Size 1

Date: 17.APR.2019 03:11:26

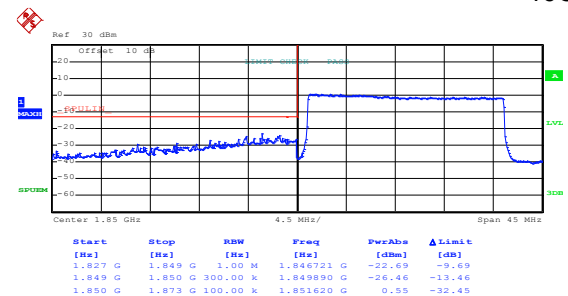
Lowest channel



Date: 17.APR.2019 03:10:24

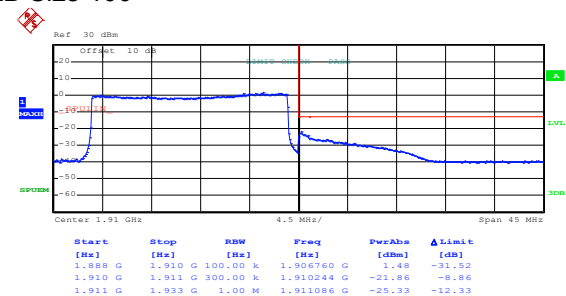
Highest channel

16QAM & RB Size 100



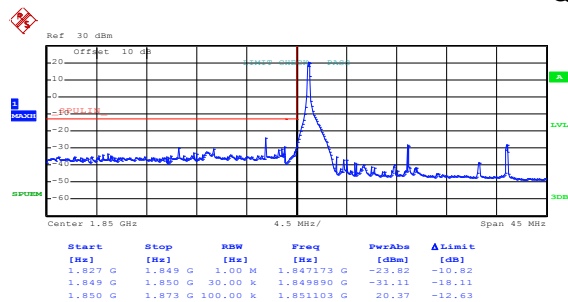
Date: 17.APR.2019 03:11:49

Lowest channel



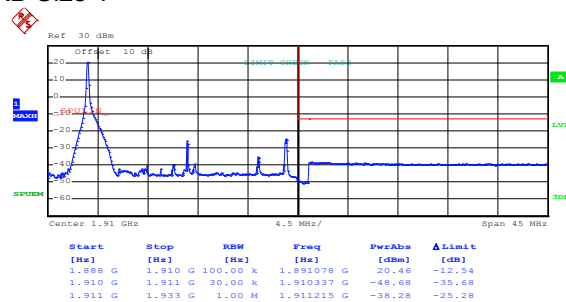
Date: 17.APR.2019 03:09:57

Highest channel

LTE Band 2, BW: 20MHz
QPSK & RB Size 1

Date: 17.APR.2019 03:11:19

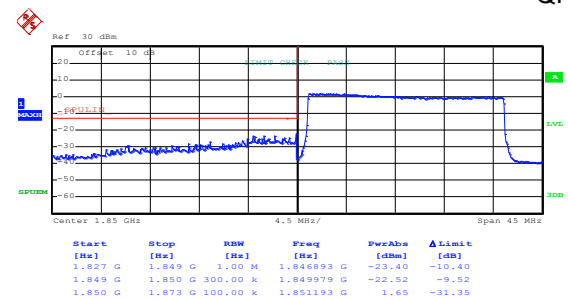
Lowest channel



Date: 17.APR.2019 03:10:15

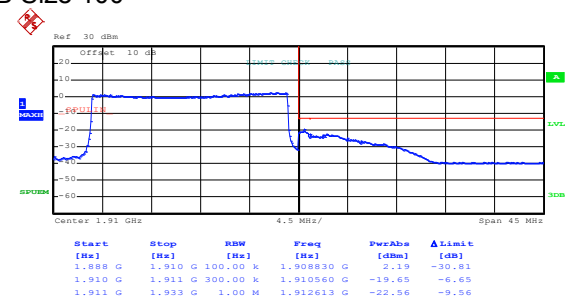
Highest channel

QPSK & RB Size 100



Date: 17.APR.2019 03:11:42

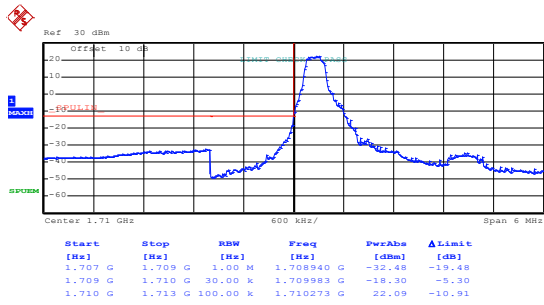
Lowest channel



Date: 17.APR.2019 03:09:50

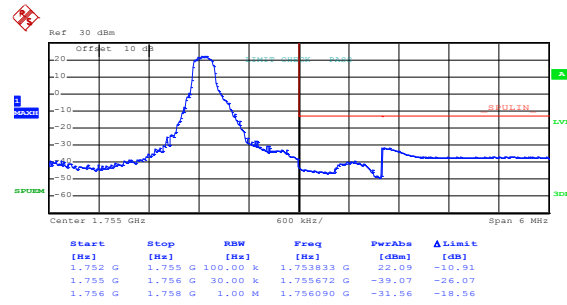
Highest channel

LTE Band 4 part:

LTE Band 4, BW: 1.4MHz
16QAM & RB Size 1

Date: 17.APR.2019 03:29:55

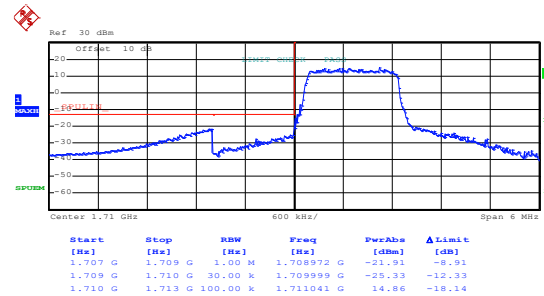
Lowest channel



Date: 17.APR.2019 03:28:47

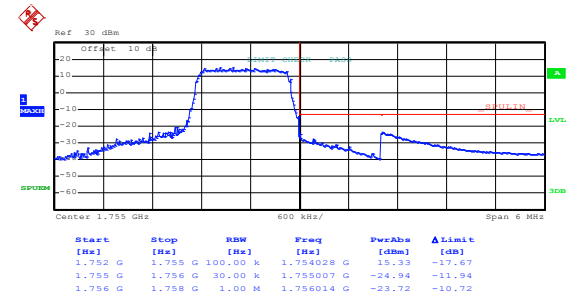
Highest channel

16QAM & RB Size 6



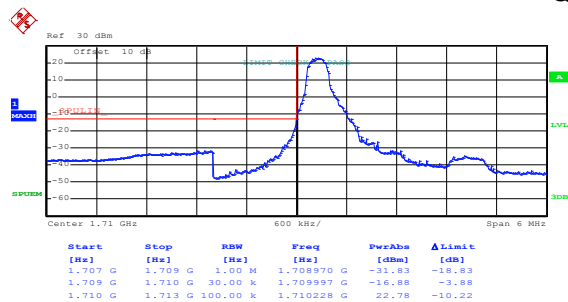
Date: 17.APR.2019 03:29:34

Lowest channel



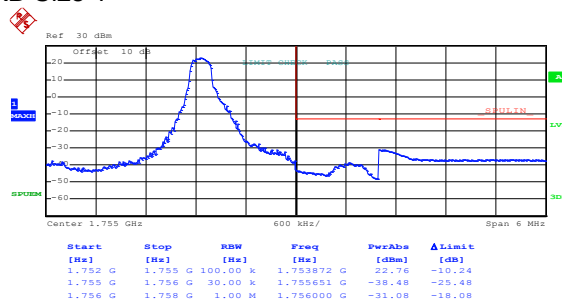
Date: 17.APR.2019 03:29:06

Highest channel

LTE Band 4, BW: 1.4MHz
QPSK & RB Size 1

Date: 17.APR.2019 03:29:46

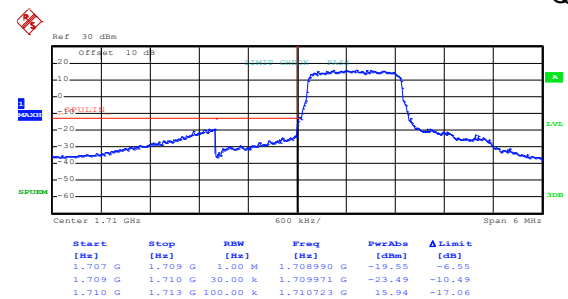
Lowest channel



Date: 17.APR.2019 03:28:34

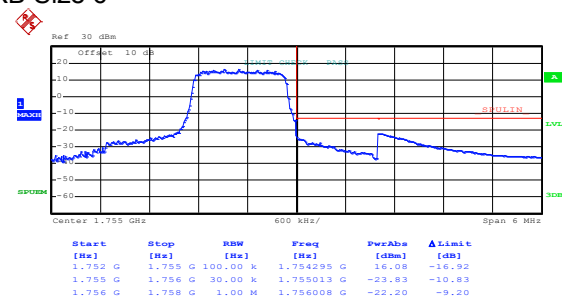
Highest channel

QPSK & RB Size 6



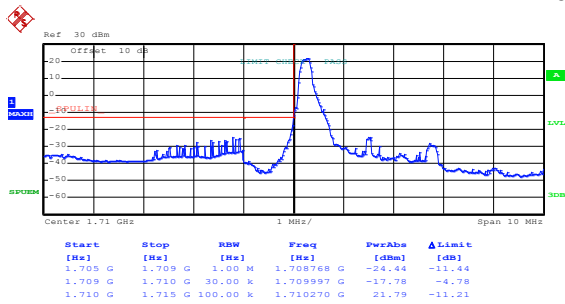
Date: 17.APR.2019 03:29:27

Lowest channel



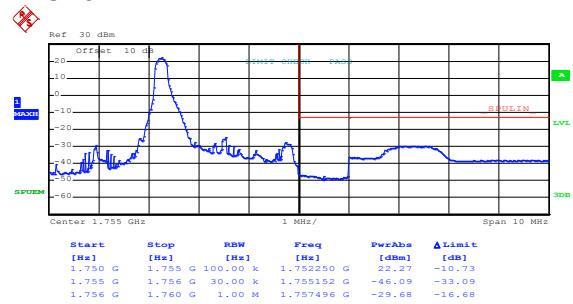
Date: 17.APR.2019 03:28:57

Highest channel

LTE Band 4, BW: 3MHz
16QAM & RB Size 1

Date: 17.APR.2019 03:24:22

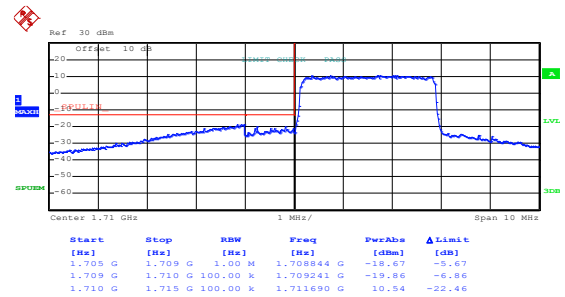
Lowest channel



Date: 17.APR.2019 03:28:03

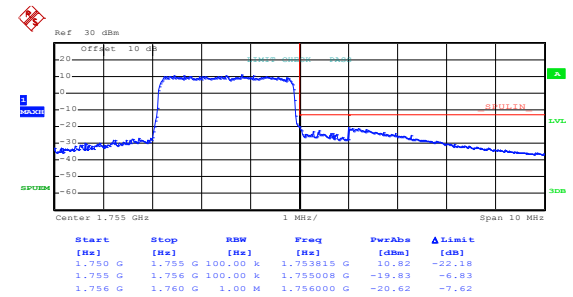
Highest channel

16QAM & RB Size 15



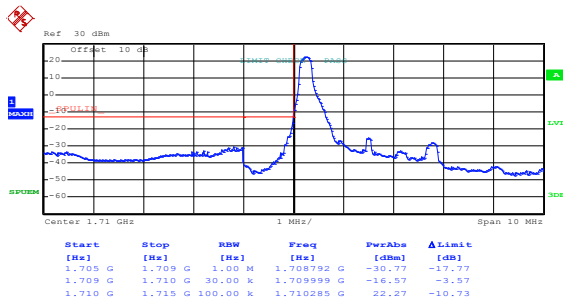
Date: 17.APR.2019 03:25:27

Lowest channel



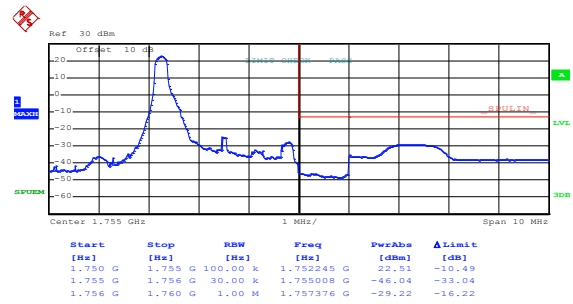
Date: 17.APR.2019 03:26:24

Highest channel

LTE Band 4, BW: 3MHz
QPSK & RB Size 1

Date: 17.APR.2019 03:24:14

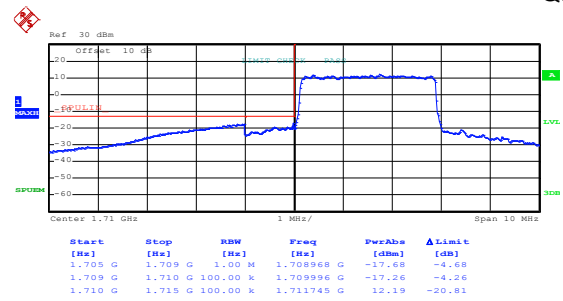
Lowest channel



Date: 17.APR.2019 03:27:49

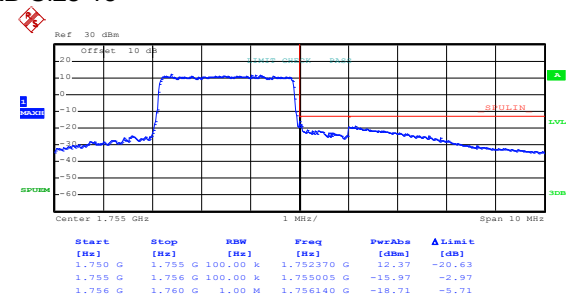
Highest channel

QPSK & RB Size 15



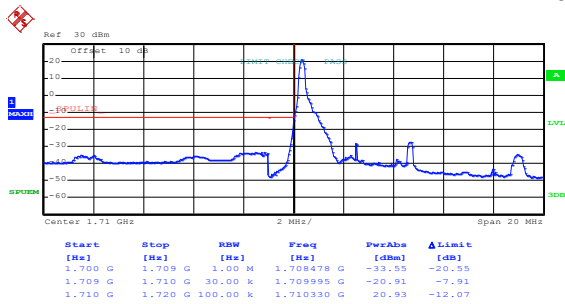
Date: 17.APR.2019 03:24:58

Lowest channel



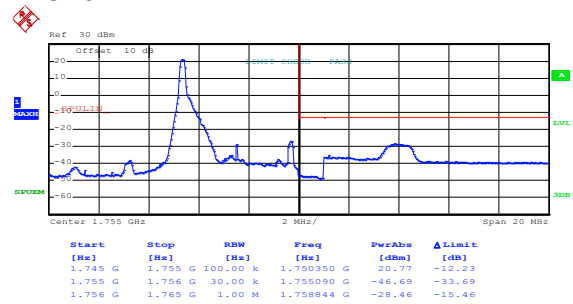
Date: 17.APR.2019 03:26:17

Highest channel

LTE Band 4, BW: 5MHz
16QAM & RB Size 1

Date: 17.APR.2019 03:23:41

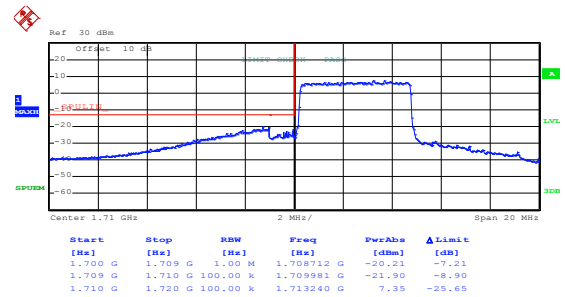
Lowest channel



Date: 17.APR.2019 03:22:14

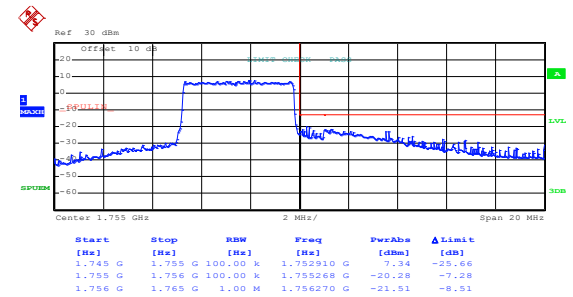
Highest channel

16QAM & RB Size 25



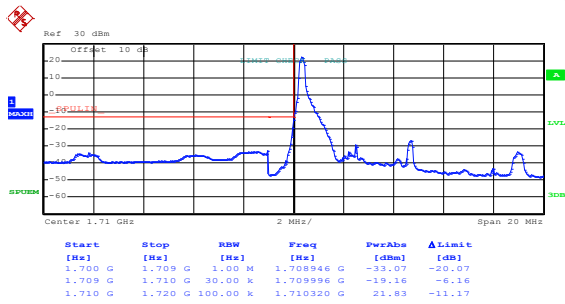
Date: 17.APR.2019 03:23:14

Lowest channel



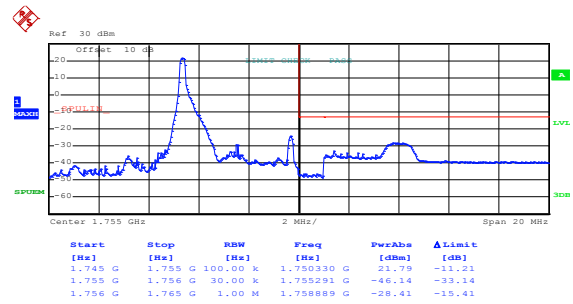
Date: 17.APR.2019 03:22:39

Highest channel

LTE Band 4, BW: 5MHz
QPSK & RB Size 1

Date: 17.APR.2019 03:23:32

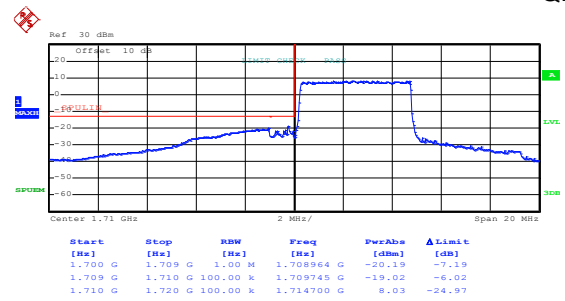
Lowest channel



Date: 17.APR.2019 03:21:58

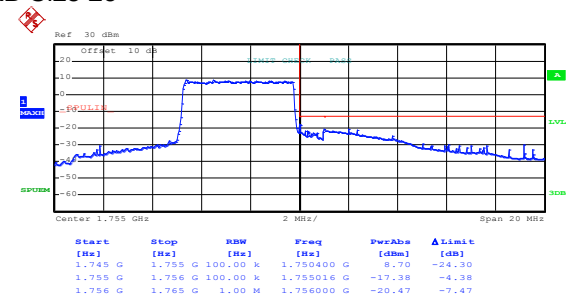
Highest channel

QPSK & RB Size 25



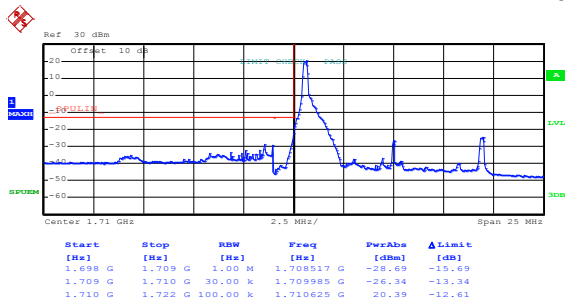
Date: 17.APR.2019 03:23:08

Lowest channel



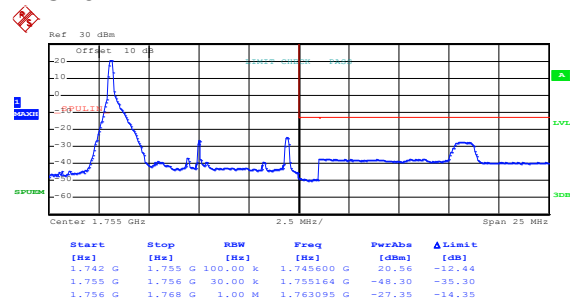
Date: 17.APR.2019 03:22:32

Highest channel

LTE Band 4, BW: 10MHz
16QAM & RB Size 1

Date: 17.APR.2019 03:19:21

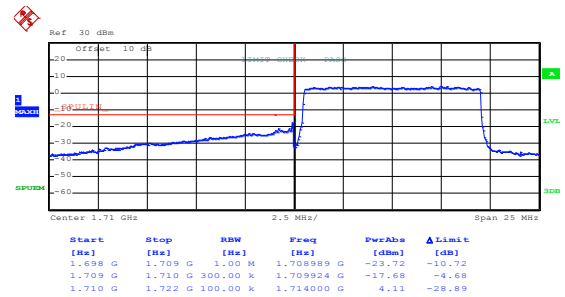
Lowest channel



Date: 17.APR.2019 03:20:41

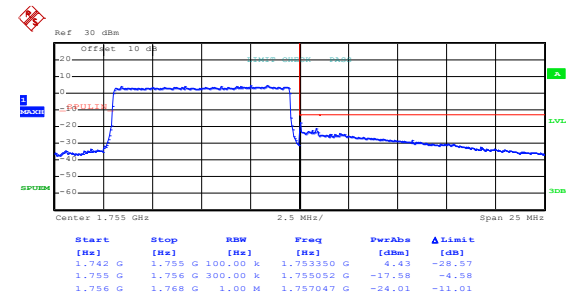
Highest channel

16QAM & RB Size 50



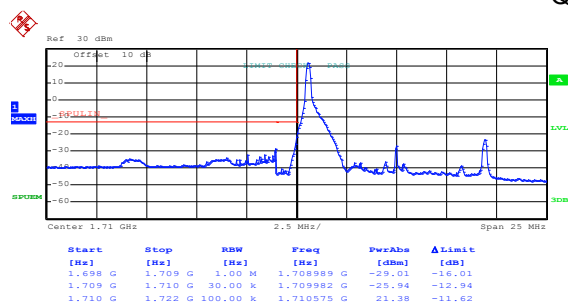
Date: 17.APR.2019 03:19:51

Lowest channel



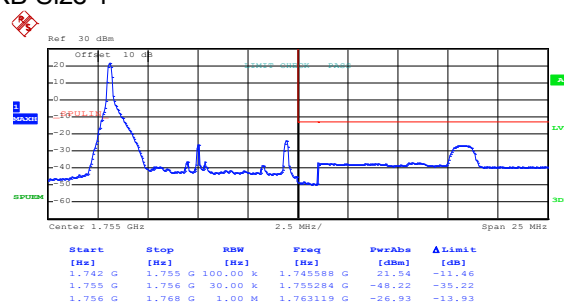
Date: 17.APR.2019 03:20:15

Highest channel

LTE Band 4, BW: 10MHz
QPSK & RB Size 1

Date: 17.APR.2019 03:19:14

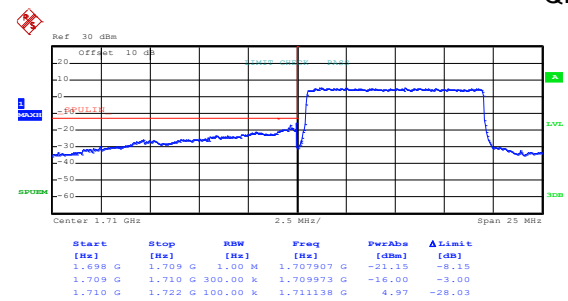
Lowest channel



Date: 17.APR.2019 03:20:33

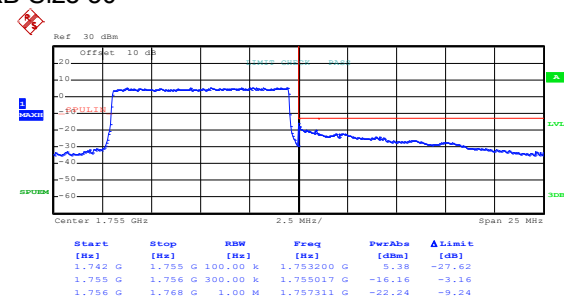
Highest channel

QPSK & RB Size 50



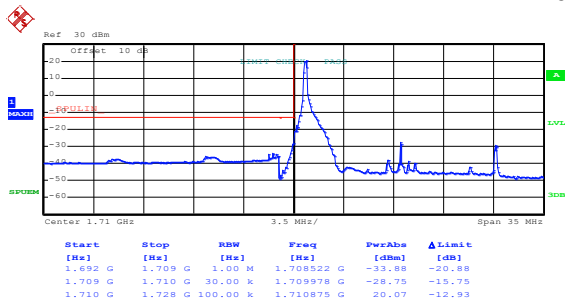
Date: 17.APR.2019 03:19:42

Lowest channel



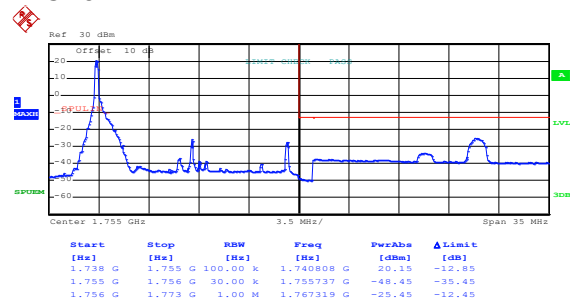
Date: 17.APR.2019 03:20:09

Highest channel

LTE Band 4, BW: 15MHz
16QAM & RB Size 1

Date: 17.APR.2019 03:18:45

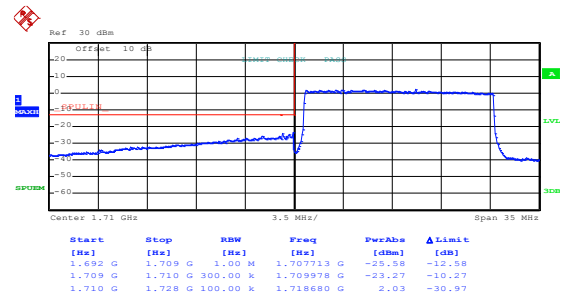
Lowest channel



Date: 17.APR.2019 03:17:18

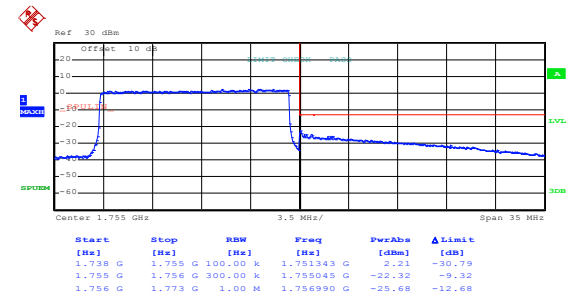
Highest channel

16QAM & RB Size 75



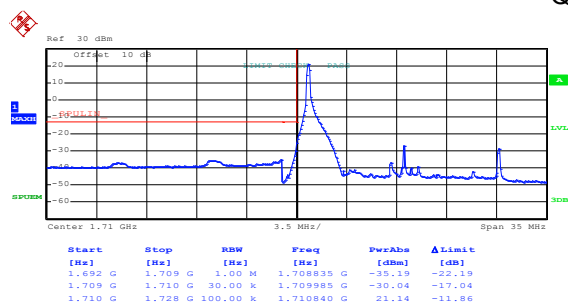
Date: 17.APR.2019 03:18:24

Lowest channel



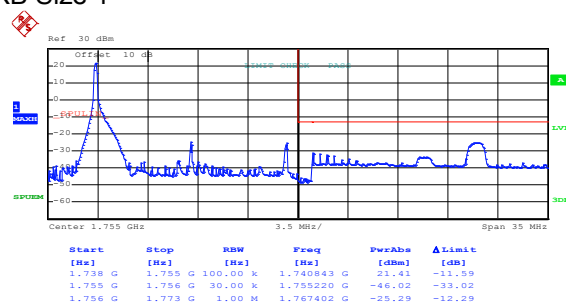
Date: 17.APR.2019 03:17:53

Highest channel

LTE Band 4, BW: 15MHz
QPSK & RB Size 1

Date: 17.APR.2019 03:16:38

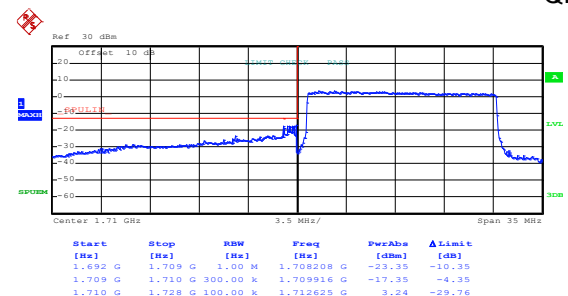
Lowest channel



Date: 17.APR.2019 03:16:33

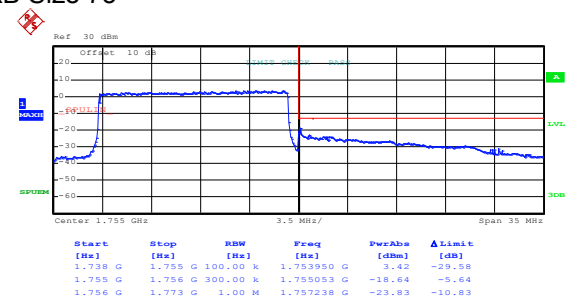
Highest channel

QPSK & RB Size 75



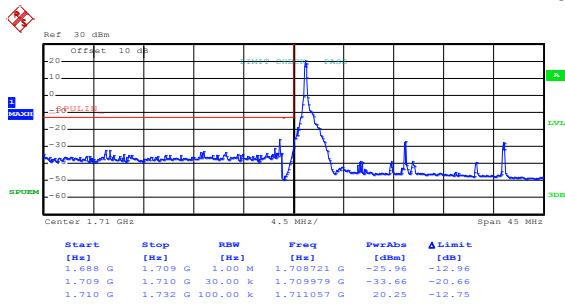
Date: 17.APR.2019 03:18:18

Lowest channel



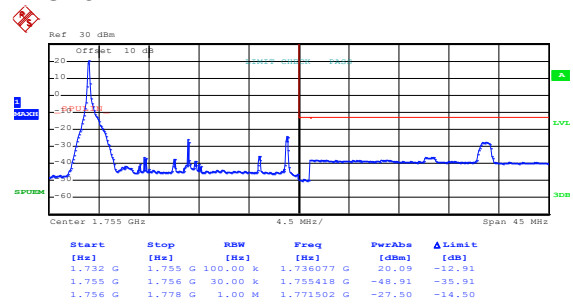
Date: 17.APR.2019 03:17:48

Highest channel

LTE Band 4, BW: 20MHz
16QAM & RB Size 1

Date: 17.APR.2019 03:13:42

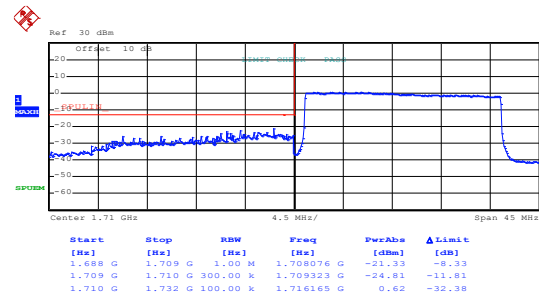
Lowest channel



Date: 17.APR.2019 03:15:21

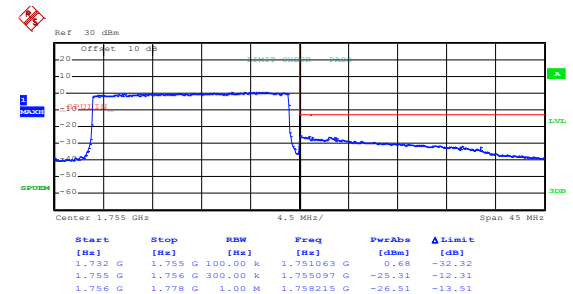
Highest channel

16QAM & RB Size 100



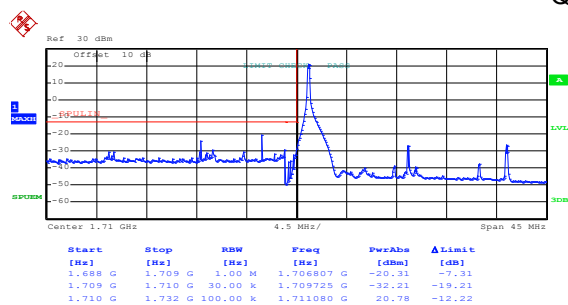
Date: 17.APR.2019 03:14:10

Lowest channel



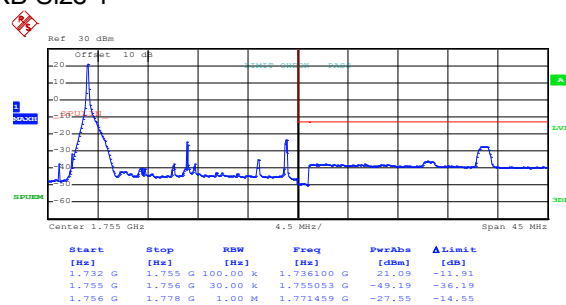
Date: 17.APR.2019 03:14:52

Highest channel

LTE Band 4, BW: 20MHz
QPSK & RB Size 1

Date: 17.APR.2019 03:12:48

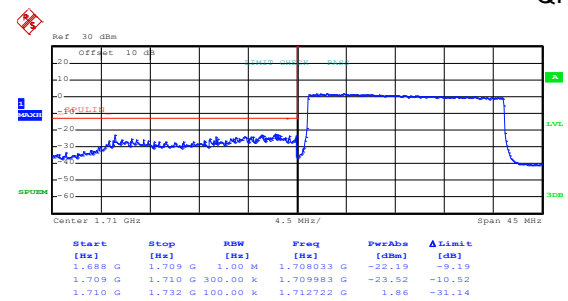
Lowest channel



Date: 17.APR.2019 03:15:11

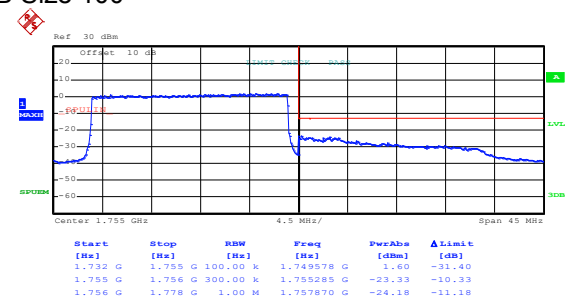
Highest channel

QPSK & RB Size 100



Date: 17.APR.2019 03:14:01

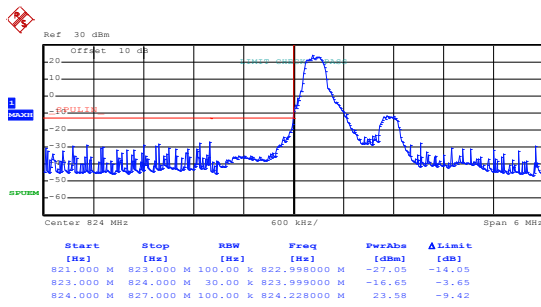
Lowest channel



Date: 17.APR.2019 03:14:44

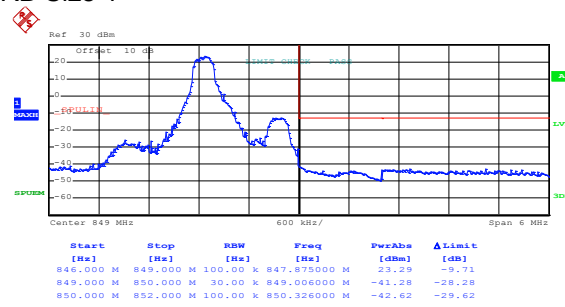
Highest channel

LTE Band 5 part:

LTE Band 5, BW: 1.4MHz
16QAM & RB Size 1

Date: 22.APR.2019 02:31:29

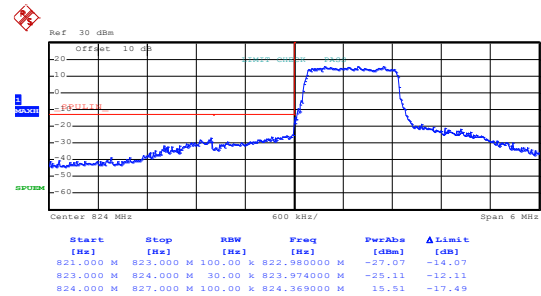
Lowest channel



Date: 22.APR.2019 02:47:03

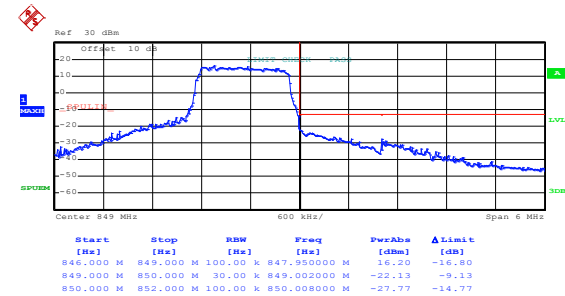
Highest channel

16QAM & RB Size 6



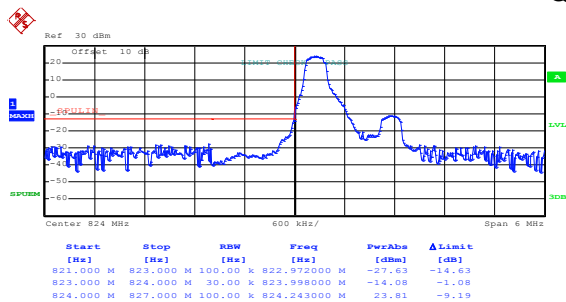
Date: 22.APR.2019 02:31:52

Lowest channel



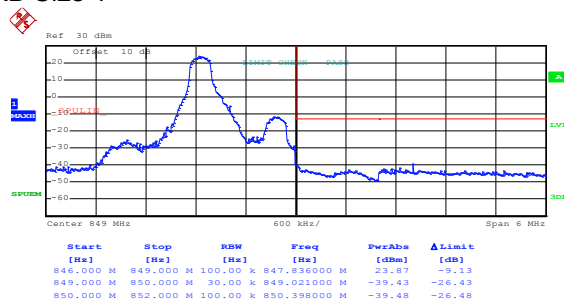
Date: 22.APR.2019 02:46:28

Highest channel

LTE Band 5, BW: 1.4MHz
QPSK & RB Size 1

Date: 22.APR.2019 02:30:46

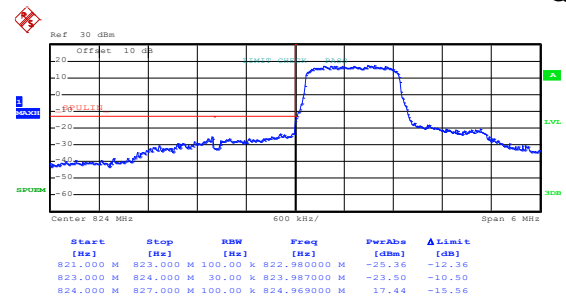
Lowest channel



Date: 22.APR.2019 02:46:52

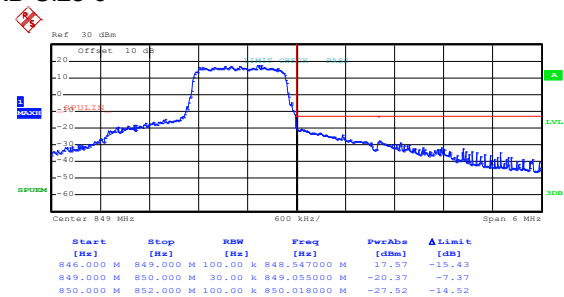
Highest channel

QPSK & RB Size 6



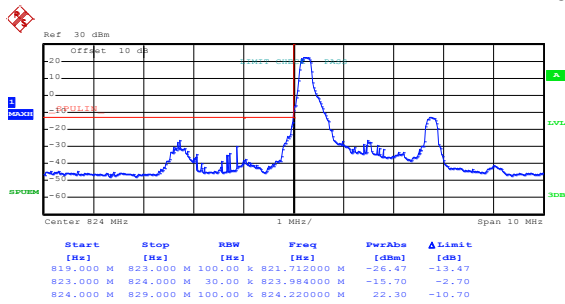
Date: 22.APR.2019 02:31:44

Lowest channel



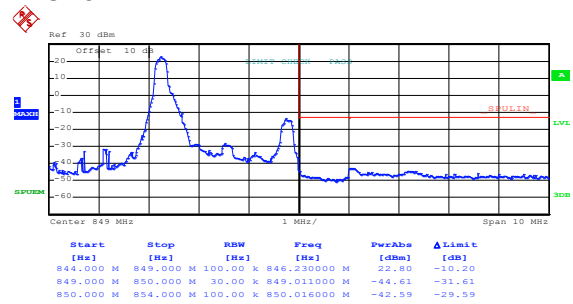
Date: 22.APR.2019 02:46:20

Highest channel

LTE Band 5, BW: 3MHz
16QAM & RB Size 1

Date: 22.APR.2019 02:49:22

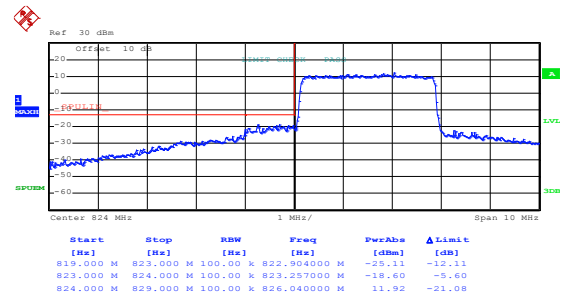
Lowest channel



Date: 22.APR.2019 02:48:03

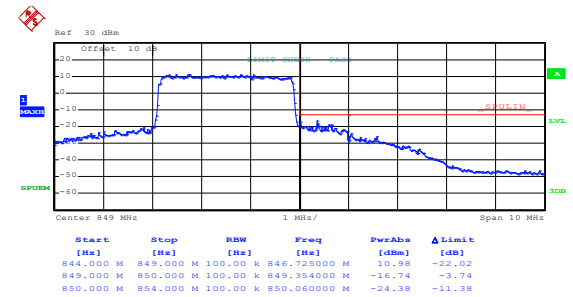
Highest channel

16QAM & RB Size 15



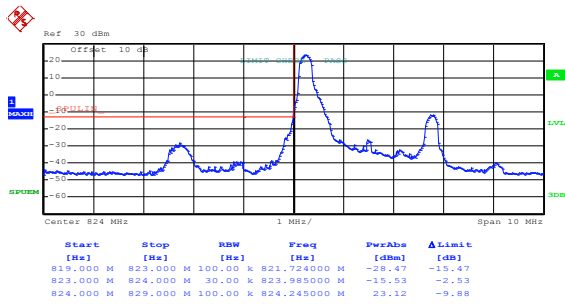
Date: 22.APR.2019 02:48:56

Lowest channel



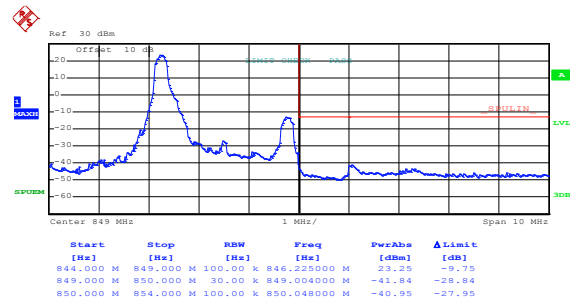
Date: 22.APR.2019 02:48:26

Highest channel

LTE Band 5, BW: 3MHz
QPSK & RB Size 1

Date: 22.APR.2019 02:49:11

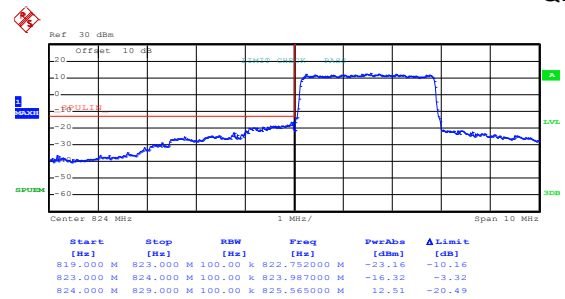
Lowest channel



Date: 22.APR.2019 02:47:54

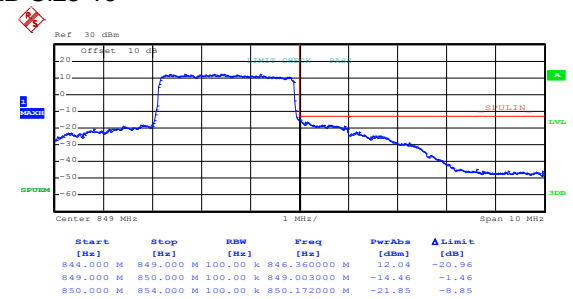
Highest channel

QPSK & RB Size 15



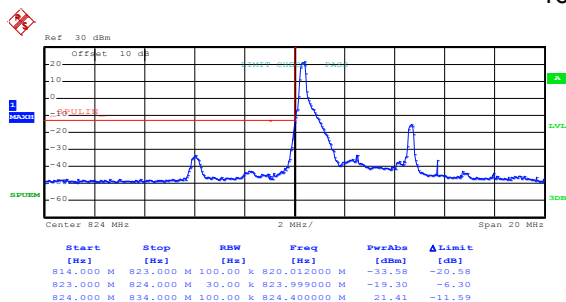
Date: 22.APR.2019 02:48:49

Lowest channel



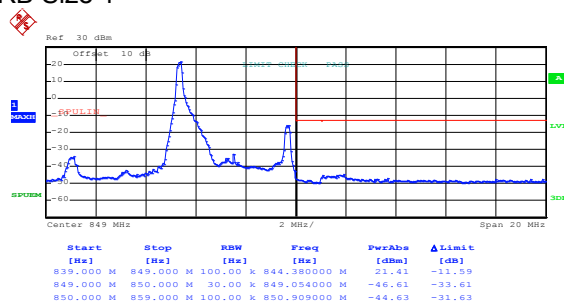
Date: 22.APR.2019 02:48:21

Highest channel

LTE Band 5, BW: 5MHz
16QAM & RB Size 1

Date: 22.APR.2019 02:50:34

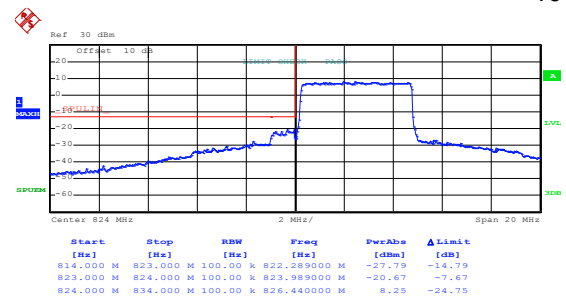
Lowest channel



Date: 22.APR.2019 02:52:16

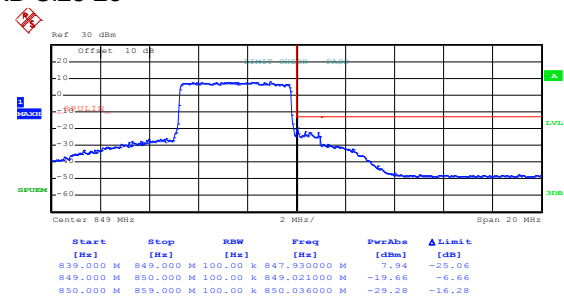
Highest channel

16QAM & RB Size 25



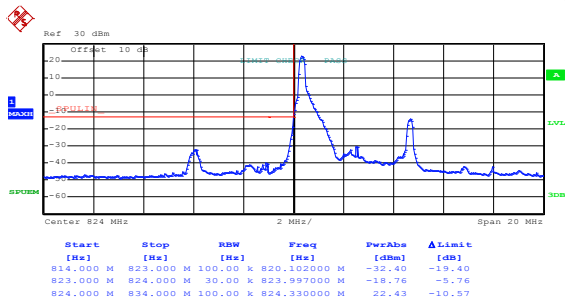
Date: 22.APR.2019 02:51:03

Lowest channel



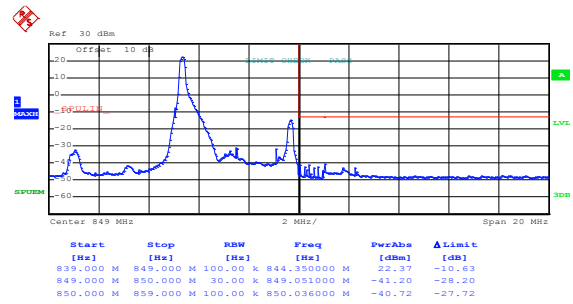
Date: 22.APR.2019 02:51:45

Highest channel

LTE Band 5, BW: 5MHz
QPSK & RB Size 1

Date: 22.APR.2019 02:50:26

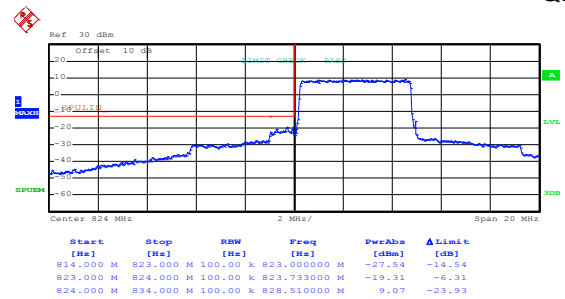
Lowest channel



Date: 22.APR.2019 02:52:05

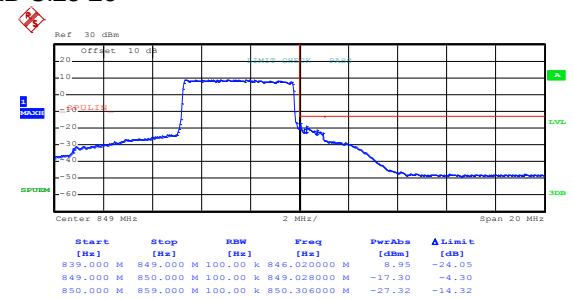
Highest channel

QPSK & RB Size 25



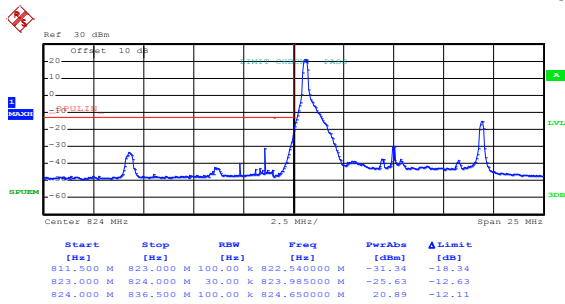
Date: 22.APR.2019 02:50:52

Lowest channel



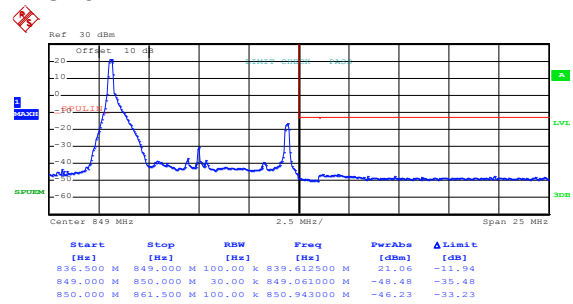
Date: 22.APR.2019 02:51:37

Highest channel

LTE Band 5, BW: 10MHz
16QAM & RB Size 1

Date: 22.APR.2019 02:56:03

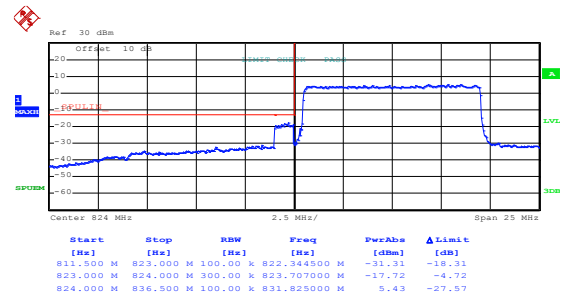
Lowest channel



Date: 22.APR.2019 02:53:53

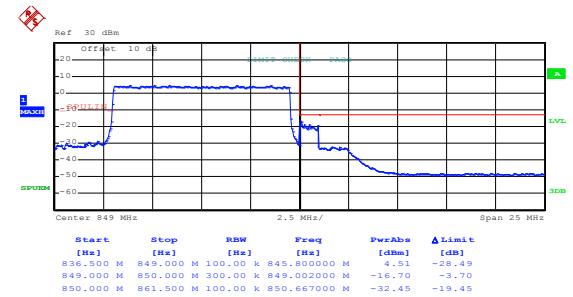
Highest channel

16QAM & RB Size 50



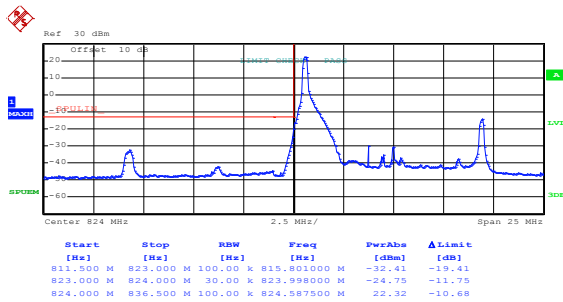
Date: 22.APR.2019 02:55:36

Lowest channel



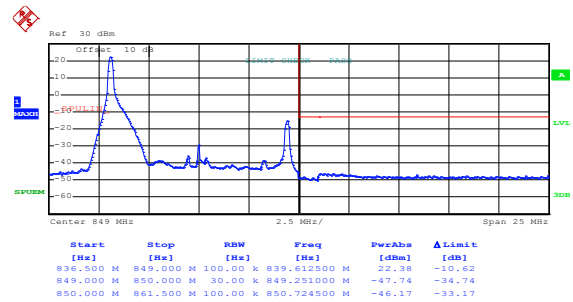
Date: 22.APR.2019 02:54:23

Highest channel

LTE Band 5, BW: 10MHz
QPSK & RB Size 1

Date: 22.APR.2019 02:55:54

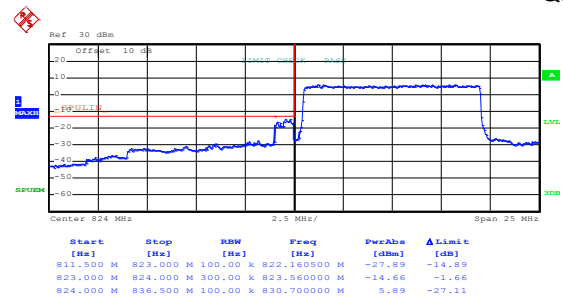
Lowest channel



Date: 22.APR.2019 02:53:17

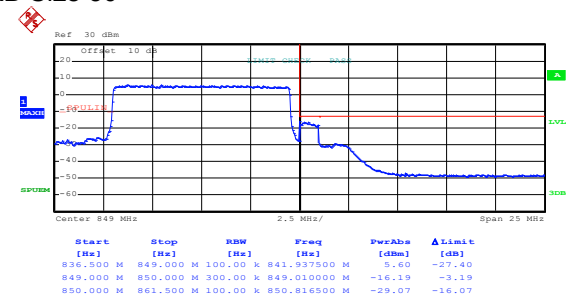
Highest channel

QPSK & RB Size 50



Date: 22.APR.2019 02:55:25

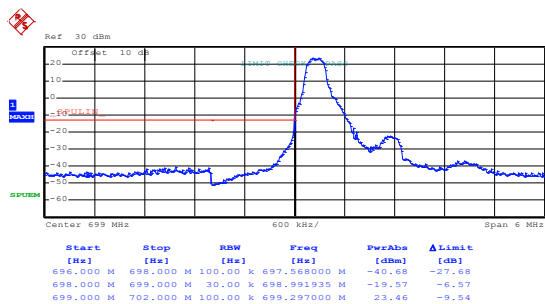
Lowest channel



Date: 22.APR.2019 02:54:13

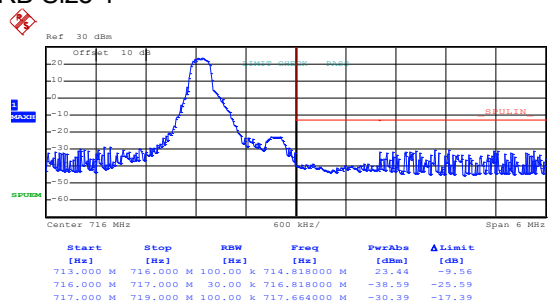
Highest channel

LTE band 12 part:

LTE Band 12, BW: 1.4MHz
16QAM & RB Size 1

Date: 22.APR.2019 02:58:12

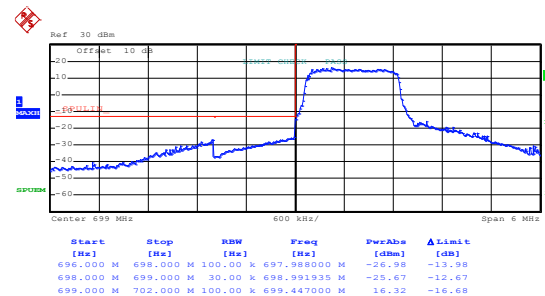
Lowest channel



Date: 22.APR.2019 02:59:42

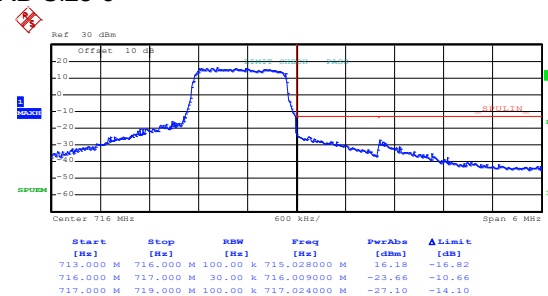
Highest channel

16QAM & RB Size 6



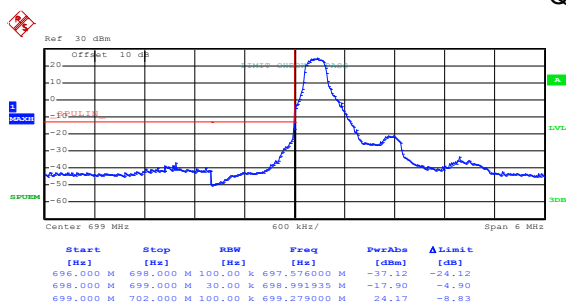
Date: 22.APR.2019 02:58:40

Lowest channel



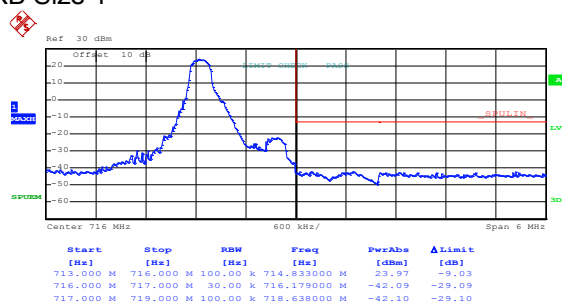
Date: 22.APR.2019 02:59:17

Highest channel

LTE Band 12, BW: 1.4MHz
QPSK & RB Size 1

Date: 22.APR.2019 02:58:00

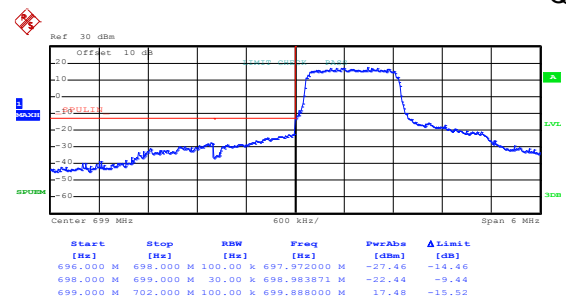
Lowest channel



Date: 22.APR.2019 02:59:29

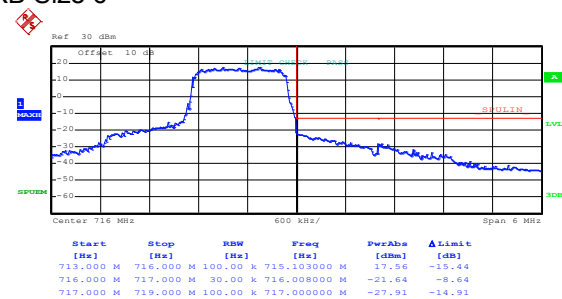
Highest channel

QPSK & RB Size 6



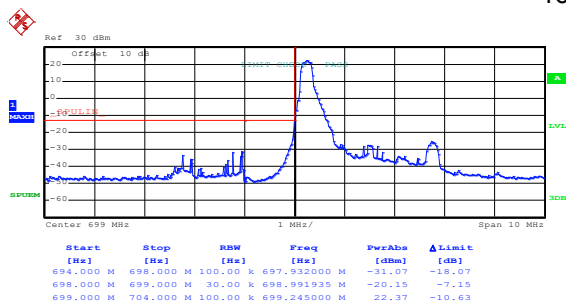
Date: 22.APR.2019 02:58:24

Lowest channel



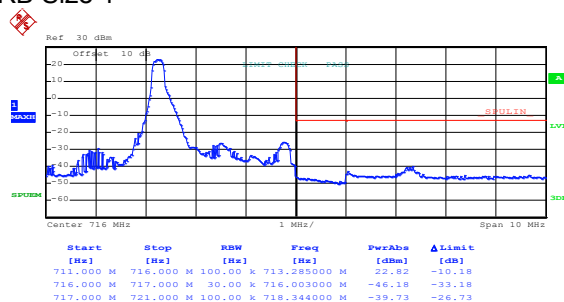
Date: 22.APR.2019 02:59:04

Highest channel

LTE Band 12, BW: 3MHz
16QAM & RB Size 1

Date: 22.APR.2019 03:03:02

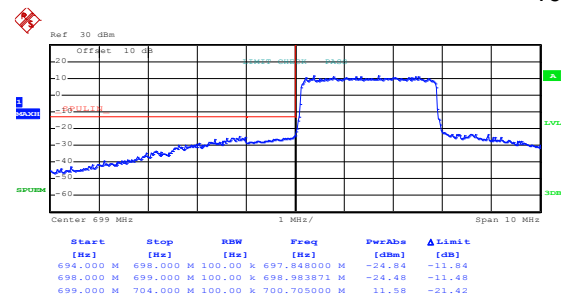
Lowest channel



Date: 22.APR.2019 03:00:48

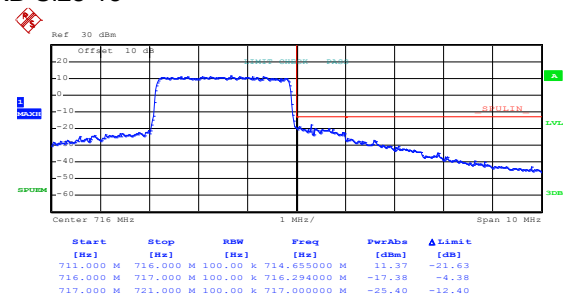
Highest channel

16QAM & RB Size 15



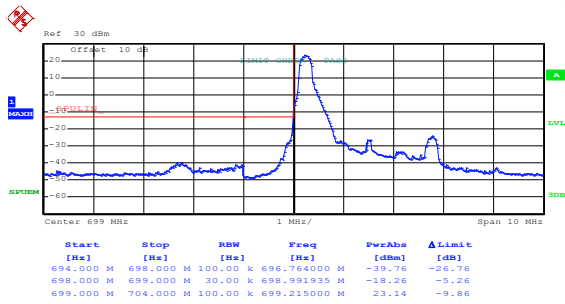
Date: 22.APR.2019 03:02:32

Lowest channel



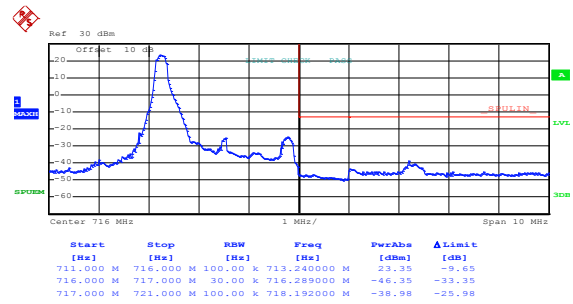
Date: 22.APR.2019 03:01:34

Highest channel

LTE Band 12, BW: 3MHz
QPSK & RB Size 1

Date: 22.APR.2019 03:02:51

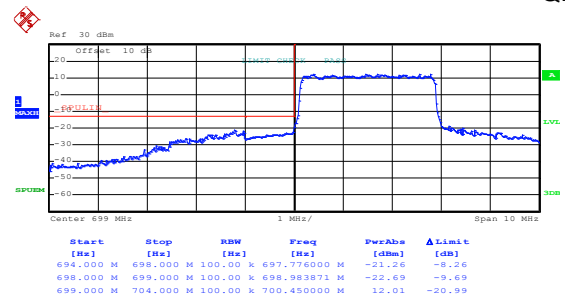
Lowest channel



Date: 22.APR.2019 03:00:33

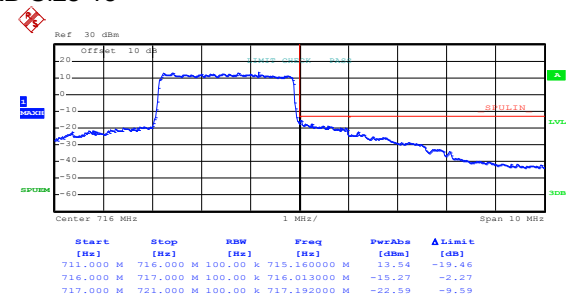
Highest channel

QPSK & RB Size 15



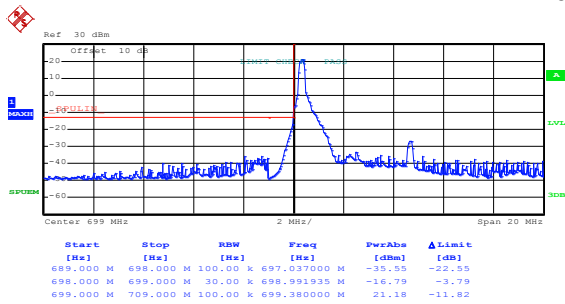
Date: 22.APR.2019 03:02:23

Lowest channel



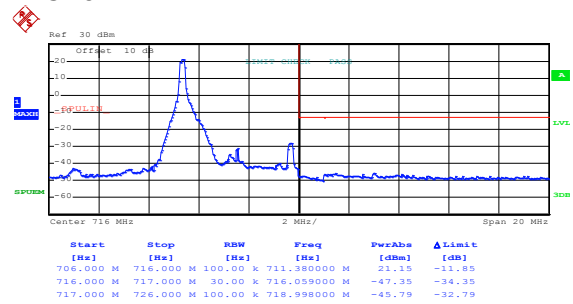
Date: 22.APR.2019 03:01:24

Highest channel

LTE Band 12, BW: 5MHz
16QAM & RB Size 1

Date: 22.APR.2019 03:03:49

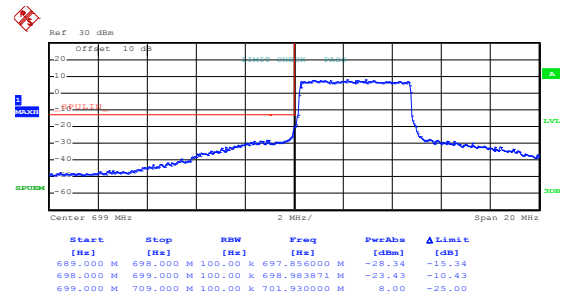
Lowest channel



Date: 22.APR.2019 03:05:47

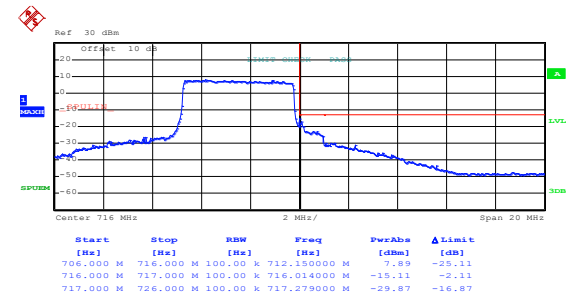
Highest channel

16QAM & RB Size 25



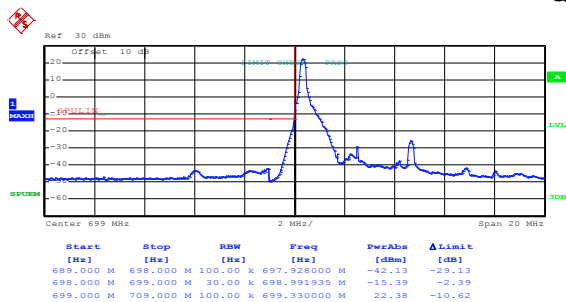
Date: 22.APR.2019 03:04:20

Lowest channel



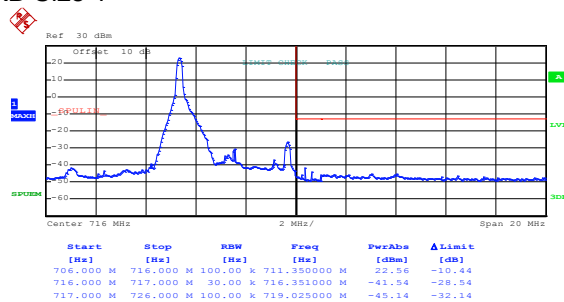
Date: 22.APR.2019 03:05:14

Highest channel

LTE Band 12, BW: 5MHz
QPSK & RB Size 1

Date: 22.APR.2019 03:03:41

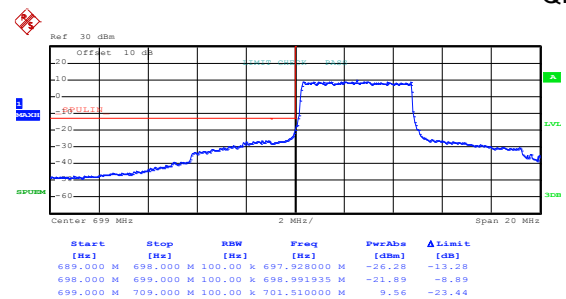
Lowest channel



Date: 22.APR.2019 03:05:38

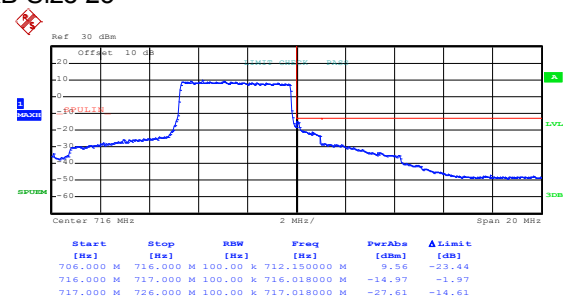
Highest channel

QPSK & RB Size 25



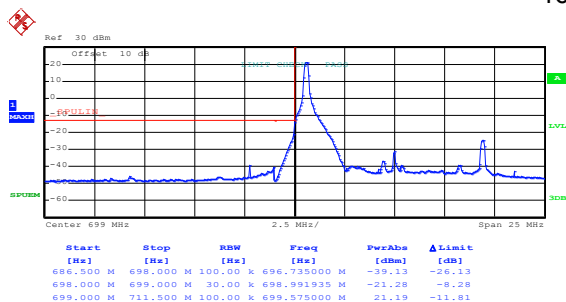
Date: 22.APR.2019 03:04:10

Lowest channel



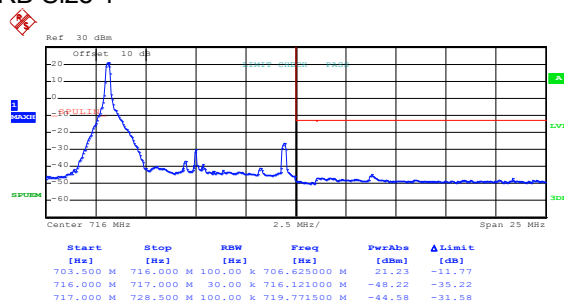
Date: 22.APR.2019 03:05:05

Highest channel

LTE Band 12, BW: 10MHz
16QAM & RB Size 1

Date: 22.APR.2019 03:09:39

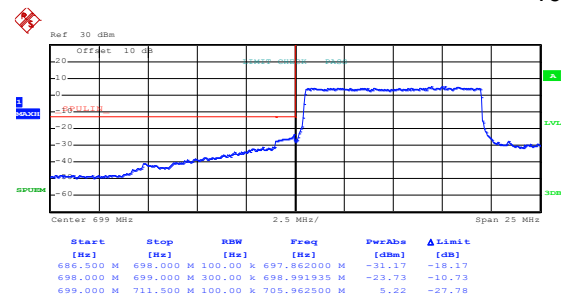
Lowest channel



Date: 22.APR.2019 03:06:54

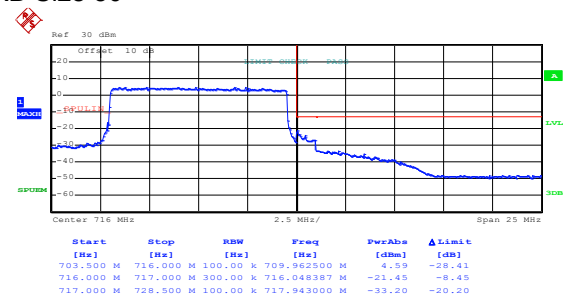
Highest channel

16QAM & RB Size 50



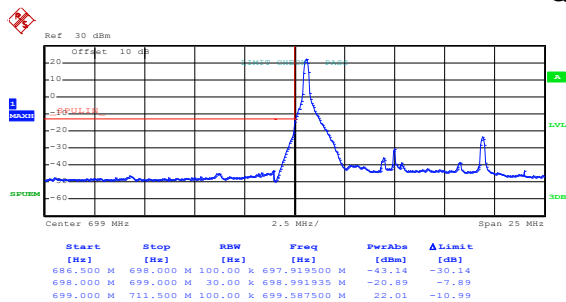
Date: 22.APR.2019 03:08:41

Lowest channel



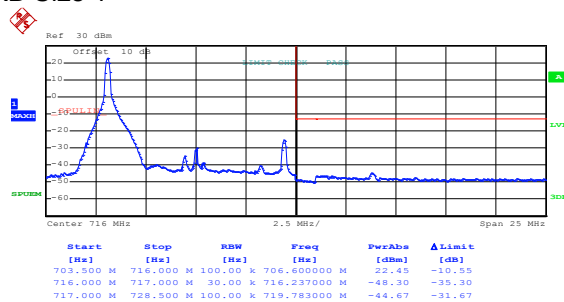
Date: 22.APR.2019 03:07:36

Highest channel

LTE Band 12, BW: 10MHz
QPSK & RB Size 1

Date: 22.APR.2019 03:09:14

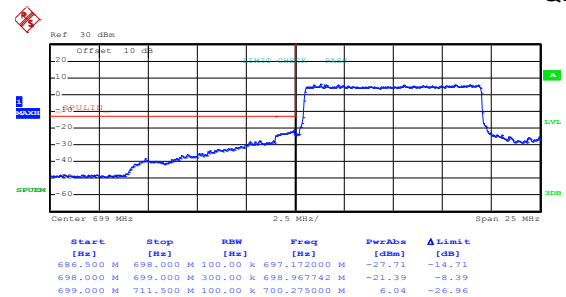
Lowest channel



Date: 22.APR.2019 03:06:42

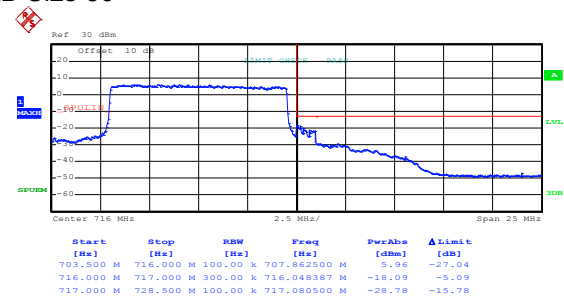
Highest channel

QPSK & RB Size 50



Date: 22.APR.2019 03:08:31

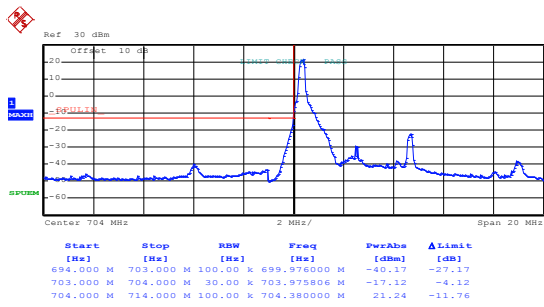
Lowest channel



Date: 22.APR.2019 03:07:28

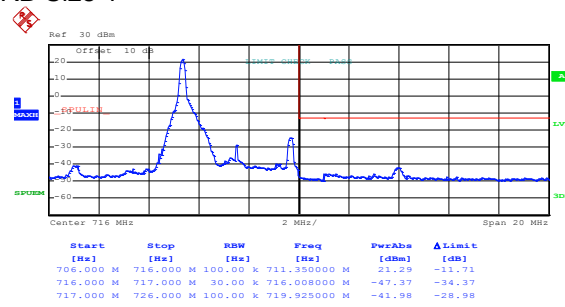
Highest channel

LTE Band 17 part:

LTE Band 17, BW: 5MHz
16QAM & RB Size 1

Date: 22.APR.2019 03:13:34

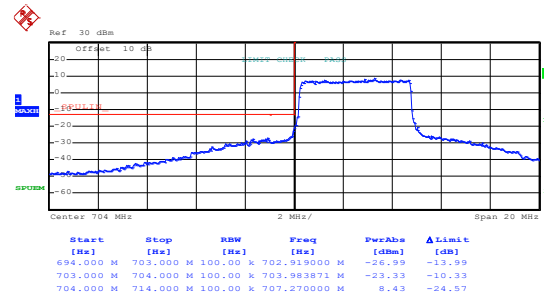
Lowest channel



Date: 22.APR.2019 03:15:34

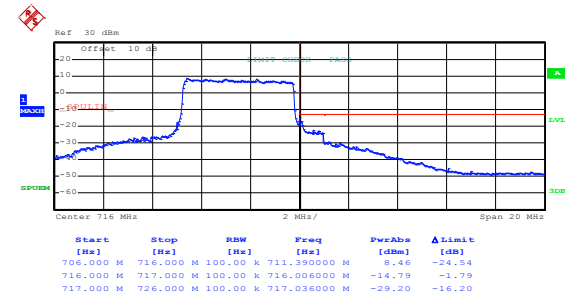
Highest channel

16QAM & RB Size 25



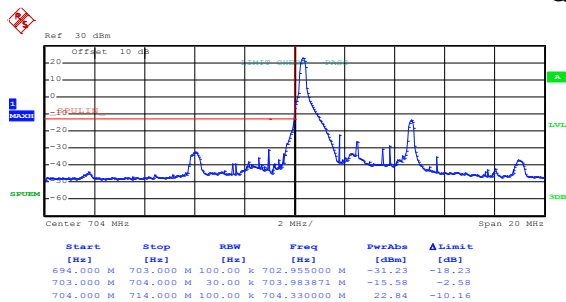
Date: 22.APR.2019 03:14:10

Lowest channel



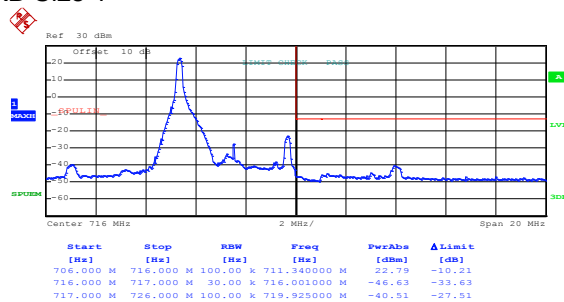
Date: 22.APR.2019 03:14:59

Highest channel

LTE Band 17, BW: 5MHz
QPSK & RB Size 1

Date: 22.APR.2019 03:13:25

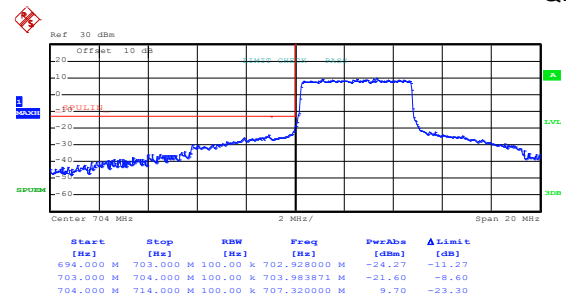
Lowest channel



Date: 22.APR.2019 03:15:25

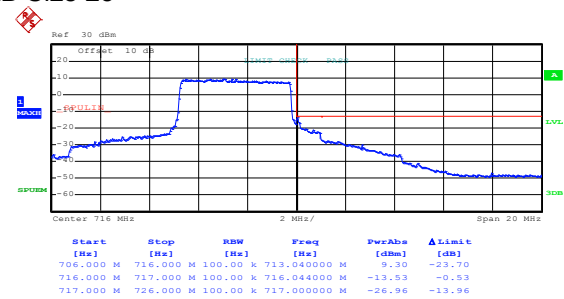
Highest channel

QPSK & RB Size 25



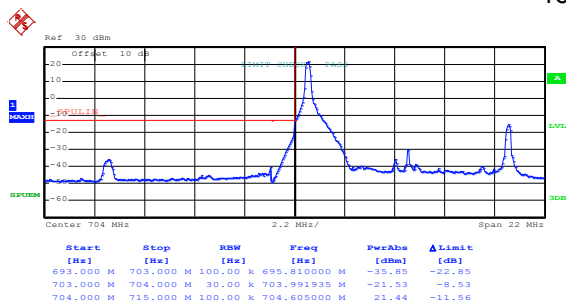
Date: 22.APR.2019 03:14:02

Lowest channel



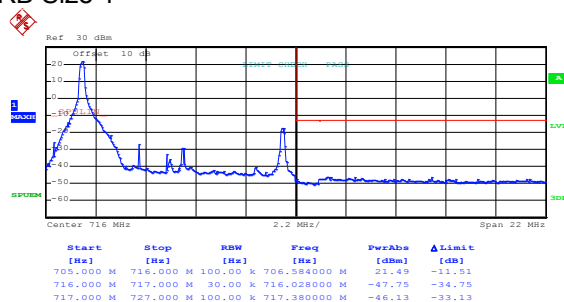
Date: 22.APR.2019 03:15:07

Highest channel

LTE Band 17, BW: 10MHz
16QAM & RB Size 1

Date: 22.APR.2019 03:21:12

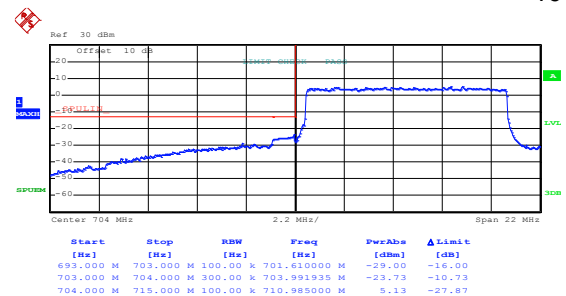
Lowest channel



Date: 22.APR.2019 03:18:52

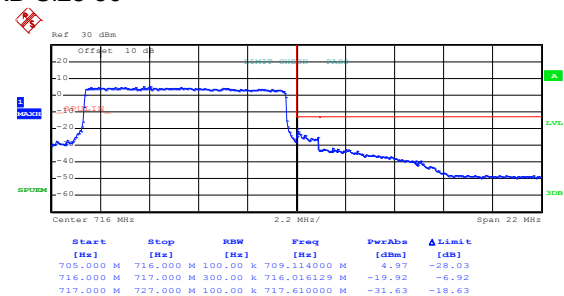
Highest channel

16QAM & RB Size 50



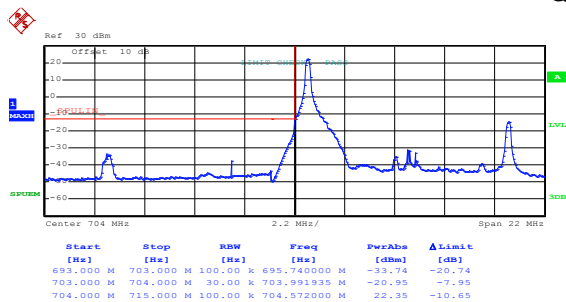
Date: 22.APR.2019 03:20:43

Lowest channel



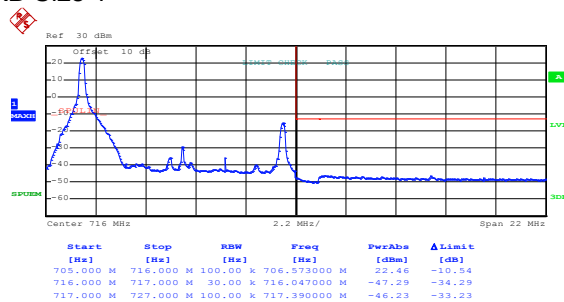
Date: 22.APR.2019 03:19:39

Highest channel

LTE Band 17, BW: 10MHz
QPSK & RB Size 1

Date: 22.APR.2019 03:21:02

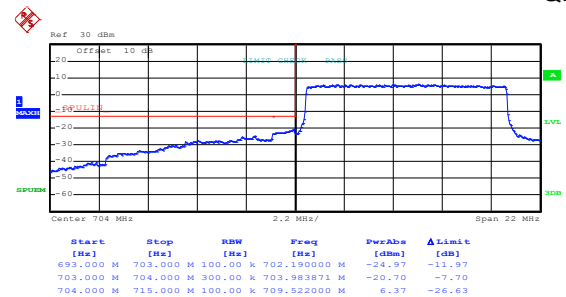
Lowest channel



Date: 22.APR.2019 03:18:42

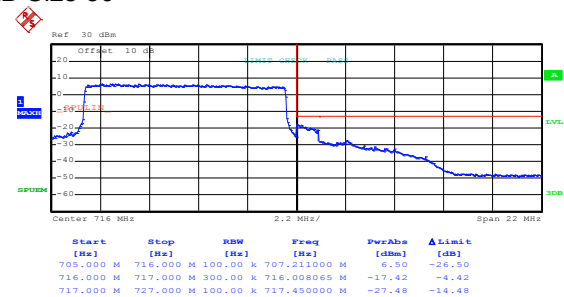
Highest channel

QPSK & RB Size 50



Date: 22.APR.2019 03:20:35

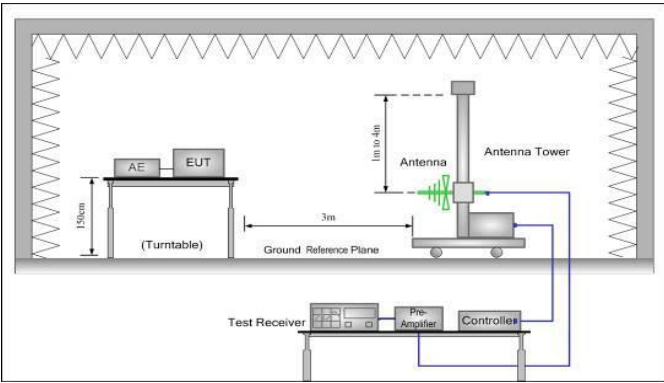
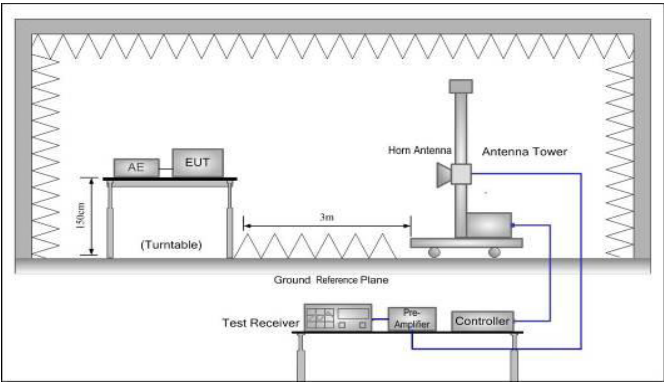
Lowest channel



Date: 22.APR.2019 03:19:32

Highest channel

6.5 Field strength of spurious radiation measurement

Test Requirement:	Part 22.917(b), Part 24.238 (a), Part 27.53(g), Part 27.53(m), Part 27.53(h)
Test Method:	ANSI/TIA-603-D 2010
Limit:	LTE Band 2 & 4 & 5 & 12 & 17: The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB (-13 dBm). LTE Band 7: For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz.
Test setup:	Below 1GHz  Above 1GHz 
Test Procedure:	1. The EUT was placed on an 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. 2. 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. 3. 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

	was determined using the substitution method. 4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency. ERP / EIRP = S.G. output (dBm) + Antenna Gain(dB/dBi) – Cable Loss (dB)
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details.
Test results:	Passed

Measurement Data:**LTE Band 2 part:**

LTE Band 2, WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3701.40	Vertical	-42.73	-13.00	Pass
5552.10	V	-45.63		
7402.00	V	-40.77		
3701.40	Horizontal	-40.04		
5552.10	H	-44.82		
7402.00	H	-39.85		
Middle Channel				
3760.00	Vertical	-41.62	-13.00	Pass
5640.00	V	-44.69		
7520.00	V	-39.85		
3760.00	Horizontal	-38.85		
5640.00	H	-45.15		
7520.00	H	-40.47		
Highest Channel				
3816.60	Vertical	-41.63	-13.00	Pass
5724.90	V	-44.87		
7633.20	V	-39.62		
3816.60	Horizontal	-38.85		
5724.90	H	-45.51		
7633.20	H	-39.76		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 2, WB: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3703.00	Vertical	-43.63	-13.00	Pass
5554.50	V	-45.56		
7406.00	V	-39.67		
3703.00	Horizontal	-41.79		
5554.50	H	-45.69		
7406.00	H	-39.56		
Middle Channel				
3760.00	Vertical		-13.00	Pass
5640.00	V	-42.31		
7520.00	V	-46.57		
3760.00	Horizontal	-39.11		
5640.00	H	-35.41		
7520.00	H	-46.37		
Highest Channel				
3817.00	Vertical	-41.65	-13.00	Pass
5725.50	V	-46.37		
7634.00	V	-39.19		
3817.00	Horizontal	-39.18		
5725.50	H	-46.66		
7634.00	H	-39.81		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 2, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3705.00	Vertical	-41.30	-13.00	Pass
5557.50	V	-44.62		
7410.00	V	-39.62		
3705.00	Horizontal	-38.87		
5557.50	H	-45.52		
7410.00	H	-40.18		
Middle Channel				
3760.00	Vertical	-42.52	-13.00	Pass
5640.00	V	-45.98		
7520.00	V	-39.65		
3760.00	Horizontal	-38.74		
5640.00	H	-46.52		
7520.00	H	-39.71		
Highest Channel				
3815.00	Vertical	-42.62	-13.00	Pass
5722.50	V	-45.76		
7630.00	V	-39.46		
3815.00	Horizontal	-39.15		
5722.50	H	-45.72		
7630.00	H	-39.79		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 2, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3710.00	Vertical	-42.63	-13.00	Pass
5565.00	V	-46.69		
7420.00	V	-39.67		
3710.00	Horizontal	-40.69		
5565.00	H	-46.73		
7420.00	H	-40.77		
Middle Channel				
3760.00	Vertical	-42.63	-13.00	Pass
5640.00	V	-45.57		
7520.00	V	-40.14		
3760.00	Horizontal	-36.76		
5640.00	H	-45.19		
7520.00	H	-39.76		
Highest Channel				
3810.00	Vertical	-42.26	-13.00	Pass
5715.00	V	-45.73		
7620.00	V	-39.64		
3810.00	Horizontal	-40.70		
5715.00	H	-45.77		
7620.00	H	-39.98		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 2, WB: 15MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3715.00	Vertical	-42.67	-13.00	Pass
5572.50	V	-46.61		
7430.00	V	-39.67		
3715.00	Horizontal	-40.75		
5572.50	H	-45.63		
7430.00	H	-40.78		
Middle Channel				
3760.00	Vertical	-42.67	-13.00	Pass
5640.00	V	-45.91		
7520.00	V	-39.67		
3760.00	Horizontal	-37.49		
5640.00	H	-46.11		
7520.00	H	-39.78		
Highest Channel				
3805.00	Vertical	-42.65	-13.00	Pass
5707.50	V	-45.72		
7610.00	V	-39.46		
3805.00	Horizontal	-37.49		
5707.50	H	-46.18		
7610.00	H	-40.75		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 2, WB: 20MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3720.00	Vertical	-41.25	-13.00	Pass
5580.00	V	-45.63		
7440.00	V	-40.36		
3720.00	Horizontal	-39.67		
5580.00	H	-45.15		
7440.00	H	-39.76		
Middle Channel				
3760.00	Vertical	-42.62	-13.00	Pass
5640.00	V	-46.67		
7520.00	V	-39.41		
3760.00	Horizontal	-35.51		
5640.00	H	-45.62		
7520.00	H	-39.78		
Highest Channel				
3800.00	Vertical	-42.65	-13.00	Pass
5700.00	V	-46.67		
7600.00	V	-40.16		
3800.00	Horizontal	-39.64		
5700.00	H	-45.75		
7600.00	H	-39.78		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 4 part:

LTE Band 4, WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3421.40	Vertical	-47.63	-13.00	Pass
5132.10	V	-44.15		
6842.80	V	-40.36		
3421.40	Horizontal	-45.19		
5132.10	H	-46.33		
6842.80	H	-42.73		
Middle Channel				
3465.00	Vertical	-46.99	-13.00	Pass
5197.50	V	-45.27		
6930.00	V	-39.87		
3465.00	Horizontal	-46.71		
5197.50	H	-45.63		
6930.00	H	-41.45		
Highest Channel				
3508.60	Vertical	-45.52	-13.00	Pass
5262.90	V	-46.79		
7017.20	V	-40.15		
3508.60	Horizontal	-45.58		
5262.90	H	-46.36		
7017.20	H	-42.78		
Note: 1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report. 2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 4, WB: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3423.00	Vertical	-46.63	-13.00	Pass
5134.50	V	-45.69		
6846.00	V	-40.36		
3423.00	Horizontal	-46.97		
5134.50	H	-47.18		
6846.00	H	-41.22		
Middle Channel				
3465.00	Vertical	-45.52	-13.00	Pass
5197.50	V	-46.36		
6930.00	V	-39.76		
3465.00	Horizontal	-46.19		
5197.50	H	-45.77		
6930.00	H	-46.19		
Highest Channel				
3507.00	Vertical	-42.27	-13.00	Pass
5260.50	V	-45.19		
7014.00	V	-42.66		
3507.00	Horizontal	-46.77		
5260.50	H	-45.52		
7014.00	H	-43.79		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 4, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3425.00	Vertical	-46.63	-13.00	Pass
5137.50	V	-45.72		
6850.00	V	-39.65		
3425.00	Horizontal	-45.13		
5137.50	H	-45.79		
6850.00	H	-42.89		
Middle Channel				
3465.00	Vertical	-45.69	-13.00	Pass
5197.50	V	-46.33		
6930.00	V	-39.67		
3465.00	Horizontal	-45.15		
5197.50	H	-44.19		
6930.00	H	-42.77		
Highest Channel				
3505.00	Vertical	-43.36	-13.00	Pass
5257.50	V	-45.75		
7010.00	V	-39.46		
3505.00	Horizontal	-44.79		
5257.50	H	-45.57		
7010.00	H	-42.11		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 4, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3430.00	Vertical	-45.69	-13.00	Pass
5145.00	V	-44.98		
6860.00	V	-39.72		
3430.00	Horizontal	-44.61		
5145.00	H	-45.19		
6860.00	H	-42.22		
Middle Channel				
3465.00	Vertical	-46.63	-13.00	Pass
5197.50	V	-45.75		
6930.00	V	-40.77		
3465.00	Horizontal	-45.55		
5197.50	H	-45.79		
6930.00	H	-45.17		
Highest Channel				
3500.00	Vertical	-42.23	-13.00	Pass
5250.00	V	-45.15		
7000.00	V	-43.68		
3500.00	Horizontal	-45.23		
5250.00	H	-46.98		
7000.00	H	-42.77		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 4, WB: 15MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3435.00	Vertical	-45.63	-13.00	Pass
5152.50	V	-44.19		
6870.00	V	-39.75		
3435.00	Horizontal	-46.98		
5152.50	H	-45.21		
6870.00	H	-41.73		
Middle Channel				
3465.00	Vertical	-46.63	-13.00	Pass
5197.50	V	-45.19		
6930.00	V	-39.75		
3465.00	Horizontal	-45.19		
5197.50	H	-46.63		
6930.00	H	-41.75		
Highest Channel				
3495.00	Vertical	-42.63	-13.00	Pass
5242.50	V	-44.15		
6990.00	V	-39.78		
3495.00	Horizontal	-45.62		
5242.50	H	-44.19		
6990.00	H	-41.75		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 4, WB: 20MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3440.00	Vertical	-44.25	-13.00	Pass
5160.00	V	-45.63		
6880.00	V	-39.64		
3440.00	Horizontal	-45.15		
5160.00	H	-45.14		
6880.00	H	-41.79		
Middle Channel				
3465.00	Vertical	-45.56	-13.00	Pass
5197.50	V	-46.36		
6930.00	V	-39.67		
3465.00	Horizontal	-44.51		
5197.50	H	-45.91		
6930.00	H	-42.79		
Highest Channel				
3490.00	Vertical	-41.32	-13.00	Pass
5235.00	V	-45.63		
6980.00	V	-40.76		
3490.00	Horizontal	-44.61		
5235.00	H	-45.67		
6980.00	H	-42.19		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 5 part:

LTE Band 5, WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1649.40	Vertical	-41.78	-13.00	Pass
2474.10	V	-36.63		
3298.80	V	-34.61		
1649.40	Horizontal	-42.75		
2474.10	H	-40.99		
3298.80	H	-36.75		
Middle Channel				
1673.00	Vertical	-42.63	-13.00	Pass
2509.50	V	-37.64		
3346.00	V	-36.58		
1673.00	Horizontal	-43.29		
2509.50	H	-39.87		
3346.00	H	-37.49		
Highest Channel				
1696.60	Vertical	-42.11	-13.00	Pass
2544.90	V	-39.65		
3393.20	V	-35.78		
1696.60	Horizontal	-42.16		
2544.90	H	-38.86		
3393.20	H	-36.76		
Note: 1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report. 2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 5, WB: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1651.00	Vertical	-41.75	-13.00	Pass
2476.50	V	-36.63		
3302.00	V	-34.19		
1651.00	Horizontal	-42.26		
2476.50	H	-41.98		
3302.00	H	-37.49		
Middle Channel				
1673.00	Vertical	-42.23	-13.00	Pass
2509.50	V	-36.61		
3346.00	V	-35.79		
1673.00	Horizontal	-42.56		
2509.50	H	-39.97		
3346.00	H	-36.66		
Highest Channel				
1695.00	Vertical	-41.22	-13.00	Pass
2542.50	V	-39.63		
3390.00	V	-34.15		
1695.00	Horizontal	-42.61		
2542.50	H	-37.49		
3390.00	H	-35.55		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 5, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1653.00	Vertical	-42.52	-13.00	Pass
2479.50	V	-36.34		
3306.00	V	-35.16		
1653.00	Horizontal	-41.72		
2479.50	H	-42.56		
3306.00	H	-35.98		
Middle Channel				
1673.00	Vertical	-41.73	-13.00	Pass
2509.50	V	-36.64		
3346.00	V	-35.79		
1673.00	Horizontal	-42.22		
2509.50	H	-39.76		
3346.00	H	-38.85		
Highest Channel				
1693.00	Vertical	-42.22	-13.00	Pass
2539.50	V	-39.16		
3386.00	V	-35.63		
1693.00	Horizontal	-41.72		
2539.50	H	-37.49		
3386.00	H	-35.78		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 5, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1658.00	Vertical	-42.33	-13.00	Pass
2487.00	V	-37.64		
3316.00	V	-35.69		
1658.00	Horizontal	-41.53		
2487.00	H	-42.67		
3316.00	H	-36.49		
Middle Channel				
1673.00	Vertical	-42.56	-13.00	Pass
2509.50	V	-37.46		
3346.00	V	-35.66		
1673.00	Horizontal	-41.75		
2509.50	H	-39.65		
3346.00	H	-37.45		
Highest Channel				
1688.00	Vertical	-41.73	-13.00	Pass
2532.00	V	-39.56		
3376.00	V	-34.61		
1688.00	Horizontal	-42.53		
2532.00	H	-36.43		
3376.00	H	-34.75		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 12 part:

LTE Band 12, WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1399.40	Vertical	-45.92	-13.00	Pass
2099.10	V	-44.04		
2798.80	V	-39.62		
1399.40	Horizontal	-48.74		
2099.10	H	-45.59		
2798.80	H	-40.77		
Middle Channel				
1415.00	Vertical	-45.23	-13.00	Pass
2122.50	V	-43.63		
2830.00	V	-38.85		
1415.00	Horizontal	-47.46		
2122.50	H	-46.31		
2830.00	H	-39.48		
Highest Channel				
1430.60	Vertical	-44.25	-13.00	Pass
2145.90	V	-43.61		
2861.20	V	-37.49		
1430.60	Horizontal	-45.25		
2145.90	H	-42.79		
2861.20	H	-38.88		
Note: 1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report. 2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 12, WB: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1401.00	Vertical	-45.53	-13.00	Pass
2101.50	V	-48.55		
2802.00	V	-38.82		
1401.00	Horizontal	-47.46		
2101.50	H	-46.69		
2802.00	H	-37.45		
Middle Channel				
1415.00	Vertical	-46.34	-13.00	Pass
2122.50	V	-40.26		
2830.00	V	-36.69		
1415.00	Horizontal	-44.72		
2122.50	H	-45.19		
2830.00	H	-37.49		
Highest Channel				
1429.00	Vertical	-44.55	-13.00	Pass
2143.50	V	-42.32		
2858.00	V	-39.67		
1429.00	Horizontal	-41.40		
2143.50	H	-39.65		
2858.00	H	-39.79		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 12, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1403.00	Vertical	-46.62	-13.00	Pass
2104.50	V	-45.52		
2806.00	V	-40.75		
1403.00	Horizontal	-49.61		
2104.50	H	-46.55		
2806.00	H	-39.79		
Middle Channel				
1415.00	Vertical	-44.52	-13.00	Pass
2122.50	V	-42.19		
2830.00	V	-39.70		
1415.00	Horizontal	-46.56		
2122.50	H	-45.55		
2830.00	H	-39.78		
Highest Channel				
1427.00	Vertical	-45.52	-13.00	Pass
2410.50	V	-42.19		
2854.00	V	-39.94		
1427.00	Horizontal	-43.16		
2410.50	H	-37.48		
2854.00	H	-39.79		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

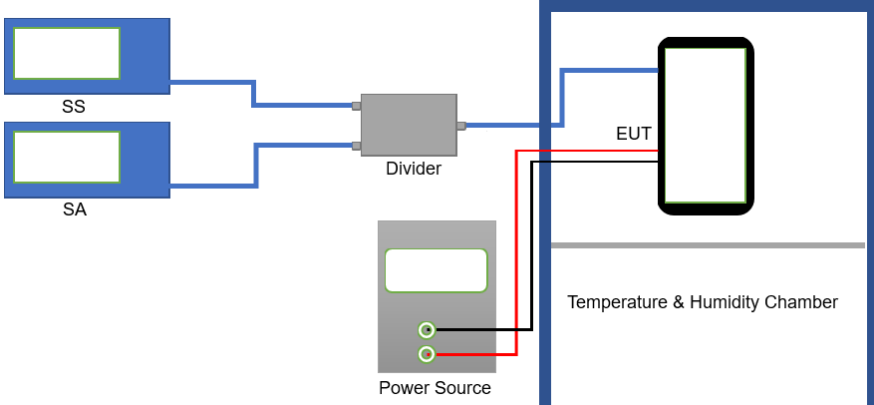
LTE Band 12, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1408.00	Vertical	-46.62	-13.00	Pass
2112.00	V	-47.46		
2816.00	V	-39.64		
1408.00	Horizontal	-48.56		
2112.00	H	-45.37		
2816.00	H	-38.98		
Middle Channel				
1415.00	Vertical	-45.52	-13.00	Pass
2122.50	V	-39.64		
2830.00	V	-37.45		
1415.00	Horizontal	-45.51		
2122.50	H	-46.37		
2830.00	H	-39.42		
Highest Channel				
1422.00	Vertical	-44.31	-13.00	Pass
2133.00	V	-41.67		
2844.00	V	-40.59		
1422.00	Horizontal	-42.55		
2133.00	H	-39.67		
2844.00	H	-40.11		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 17 part:

LTE Band 17, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1413.00	Vertical	-48.73	-13.00	Pass
2119.50	V	-49.28		
2826.00	V	-47.49		
1413.00	Horizontal	-52.00		
2119.50	H	-50.29		
2826.00	H	-49.89		
Middle Channel				
1420.00	Vertical	-47.25	-13.00	Pass
2130.00	V	-49.63		
2840.00	V	-46.55		
1420.00	Horizontal	-51.47		
2130.00	H	-50.98		
2840.00	H	-48.86		
Highest Channel				
1427.00	Vertical	-46.63	-13.00	Pass
2140.50	V	-50.24		
2854.00	V	-47.16		
1427.00	Horizontal	-52.49		
2140.50	H	-49.10		
2854.00	H	-48.82		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 17, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1418.00	Vertical	-47.26	-13.00	Pass
2127.00	V	-49.86		
2836.00	V	-46.62		
1418.00	Horizontal	-51.43		
2127.00	H	-52.36		
2836.00	H	-48.78		
Middle Channel				
1420.00	Vertical	-46.63	-13.00	Pass
2130.00	V	-50.16		
2840.00	V	-49.65		
1420.00	Horizontal	-52.24		
2130.00	H	-49.87		
2840.00	H	-47.08		
Highest Channel				
1422.00	Vertical	-45.52	-13.00	Pass
2133.00	V	-49.75		
2844.00	V	-48.21		
1422.00	Horizontal	-51.16		
2133.00	H	-49.77		
2844.00	H	-47.46		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

6.6 Frequency stability V.S. Temperature measurement

Test Requirement:	Part 22.355, Part 24.235, Part 27.54, Part 2.1055(a)(1)(b)
Test Method:	ANSI/TIA-603-D 2010
Limit:	±2.5ppm
Test setup:	
Test procedure:	1. The equipment under test was connected to an external DC power supply and input rated voltage. 2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to –30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data (worst case):

LTE Band 2 part:

Reference Frequency: LTE Band 2 (10MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	198	0.105319	±2.5	Pass
	-20	166	0.088298		
	-10	149	0.079255		
	0	135	0.071809		
	10	134	0.071277		
	20	176	0.093617		
	30	124	0.065957		
	40	150	0.079787		
	50	190	0.101064		
16QAM					
3.85	-30	188	0.100000	±2.5	Pass
	-20	135	0.071809		
	-10	177	0.094149		
	0	135	0.071809		
	10	155	0.082447		
	20	146	0.077660		
	30	159	0.084574		
	40	134	0.071277		
	50	130	0.069149		
Note: Only the worst case shown in the report.					

LTE Band 4 part:

Reference Frequency: LTE Band 4 (10MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	198	0.114286	±2.5	Pass
	-20	145	0.083694		
	-10	133	0.076768		
	0	103	0.059452		
	10	148	0.085426		
	20	164	0.094661		
	30	124	0.071573		
	40	115	0.066378		
	50	170	0.098124		
16QAM					
3.85	-30	193	0.111400	±2.5	Pass
	-20	130	0.075036		
	-10	190	0.109668		
	0	102	0.058874		
	10	164	0.094661		
	20	110	0.063492		
	30	146	0.084271		
	40	173	0.099856		
	50	108	0.062338		
Note: Only the worst case shown in the report.					

LTE Band 5 part:

Reference Frequency: LTE Band 5 (10MHz) Middle channel=20525 channel=836.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	190	0.227137	±2.5	Pass
	-20	135	0.161387		
	-10	113	0.135087		
	0	153	0.182905		
	10	108	0.129109		
	20	164	0.196055		
	30	104	0.124328		
	40	155	0.185296		
	50	170	0.203228		
16QAM					
3.85	-30	197	0.235505	±2.5	Pass
	-20	151	0.180514		
	-10	169	0.202032		
	0	182	0.217573		
	10	146	0.174537		
	20	177	0.211596		
	30	166	0.198446		
	40	102	0.121937		
	50	109	0.130305		
Note: Only the worst case shown in the report.					

LTE Band 12 part:

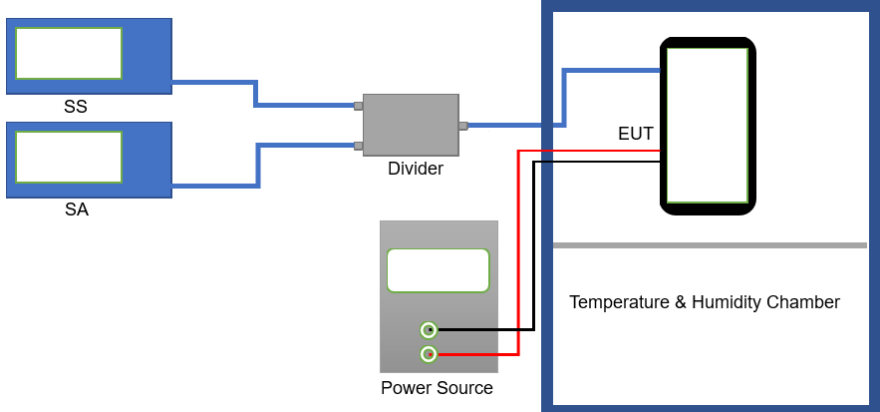
LTE Band 12 part:

Reference Frequency: LTE Band 12 (10MHz) Middle channel=23095 channel=707.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	195	0.275618	±2.5	Pass
	-20	111	0.156890		
	-10	129	0.182332		
	0	164	0.231802		
	10	159	0.224735		
	20	157	0.221908		
	30	141	0.199293		
	40	105	0.148410		
	50	150	0.212014		
16QAM					
3.85	-30	195	0.275618	±2.5	Pass
	-20	164	0.231802		
	-10	165	0.233216		
	0	159	0.224735		
	10	124	0.175265		
	20	185	0.261484		
	30	130	0.183746		
	40	166	0.234629		
	50	170	0.240283		
Note: Only the worst case shown in the report.					

LTE Band 17 part:

Reference Frequency: LTE Band 17 (10MHz) Middle channel=23790 channel=710.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	197	0.277465	±2.5	Pass
	-20	158	0.222535		
	-10	122	0.171831		
	0	155	0.218310		
	10	109	0.153521		
	20	162	0.228169		
	30	137	0.192958		
	40	182	0.256338		
	50	154	0.216901		
16QAM					
3.85	-30	189	0.266197	±2.5	Pass
	-20	159	0.223944		
	-10	101	0.142254		
	0	112	0.157746		
	10	155	0.218310		
	20	188	0.264789		
	30	140	0.197183		
	40	141	0.198592		
	50	117	0.164789		
Note: Only the worst case shown in the report.					

6.7 Frequency stability V.S. Voltage measurement

Test Requirement:	Part 22.355, Part 24.235, Part 27.54, Part 2.1055(d)(2)
Test Method:	ANSI/TIA-603-D 2010
Limit:	$\pm 2.5\text{ppm}$
Test setup:	 The diagram illustrates the test setup. A Signal Source (SS) and a Spectrum Analyzer (SA) are connected to a Divider. The output of the Divider is connected to the EUT (Equipment Under Test) inside a Temperature & Humidity Chamber. A Power Source is also connected to the EUT.
Test procedure:	1. Set chamber temperature to 25°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage. 2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. 3. Reduce the input voltage to specify extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data (worst case):

LTE Band 2 part:

Reference Frequency: LTE Band 2(10MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.40	95	0.050532	±2.5	Pass
	3.85	65	0.034574		
	3.50	49	0.026064		
16QAM					
25	4.40	96	0.051064	±2.5	Pass
	3.85	55	0.029255		
	3.50	47	0.025000		
Note: Only the worst case shown in the report.					

LTE Band 4 part:

Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.40	99	0.057143	±2.5	Pass
	3.85	55	0.031746		
	3.50	64	0.036941		
16QAM					
25	4.40	89	0.051371	±2.5	Pass
	3.85	45	0.025974		
	3.50	57	0.032900		
Note: Only the worst case shown in the report.					

LTE Band 5 part:

Reference Frequency: LTE Band 5(10MHz) Middle channel=20525 channel=836.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.40	97	0.115959	±2.5	Pass
	3.85	45	0.053796		
	3.50	59	0.070532		
16QAM					
25	4.40	90	0.107591	±2.5	Pass
	3.85	65	0.077705		
	3.50	35	0.041841		
Note: Only the worst case shown in the report.					

LTE Band 12 part:

Reference Frequency: LTE Band 12(10MHz) Middle channel=23095 channel=707.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.40	91	0.128622	±2.5	Pass
	3.85	55	0.077739		
	3.50	24	0.033922		
16QAM					
25	4.40	88	0.124382	±2.5	Pass
	3.85	64	0.090459		
	3.50	38	0.053710		
Note: Only the worst case shown in the report.					

Note: Only the worst case shown in the report.

LTE Band 17 part:

Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 channel=710.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.40	93	0.130986	±2.5	Pass
	3.85	90	0.126761		
	3.50	58	0.081690		
16QAM					
25	4.40	96	0.135211	±2.5	Pass
	3.85	49	0.069014		
	3.50	56	0.078873		
Note: Only the worst case shown in the report.					

Note: Only the worst case shown in the report.