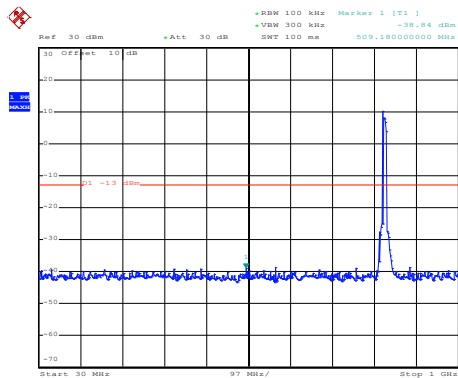
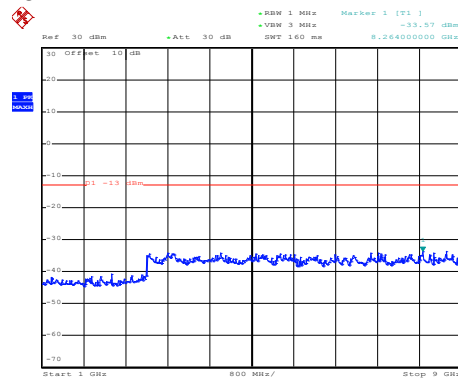


LTE Band 5: 16 QAM & RB Size 50 BW: 10MHz Lowest channel



Date: 17.SEP.2019 14:34:24

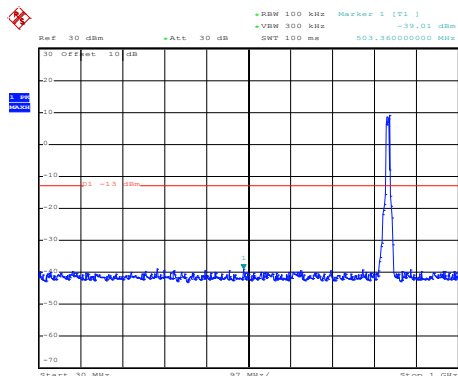
30MHz~1GHz



Date: 17.SEP.2019 14:30:48

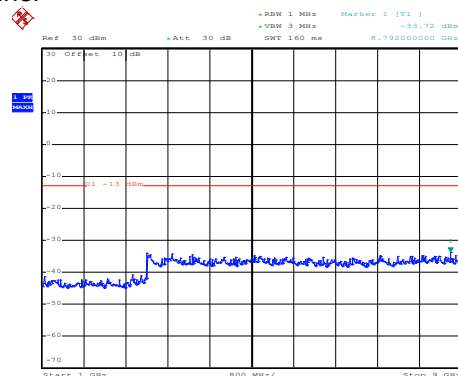
1GHz~9GHz

Middle channel



Date: 17.SEP.2019 14:33:59

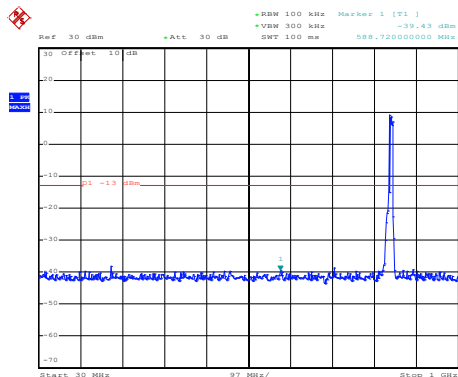
30MHz~1GHz



Date: 17.SEP.2019 14:31:05

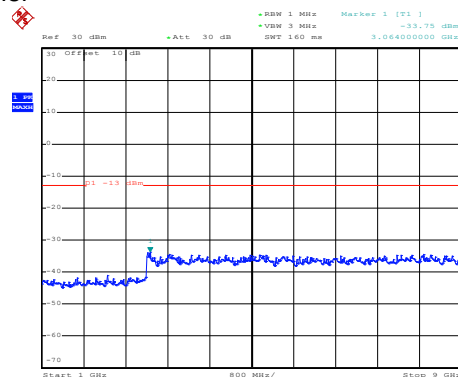
1GHz~9GHz

High channel



Date: 17.SEP.2019 14:32:39

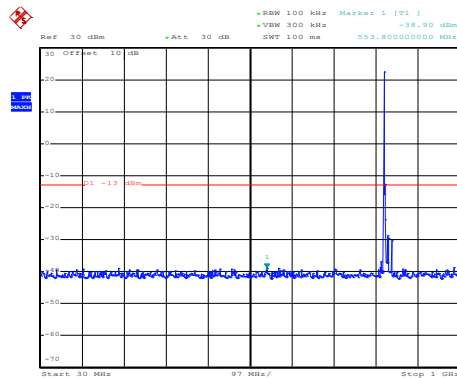
30MHz~1GHz



Date: 17.SEP.2019 14:31:52

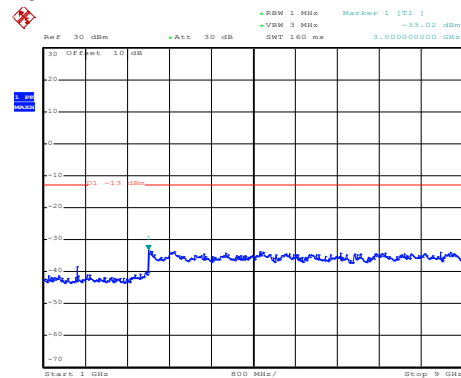
1GHz~9GHz

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



Date: 17.SEP.2019 14:34:36

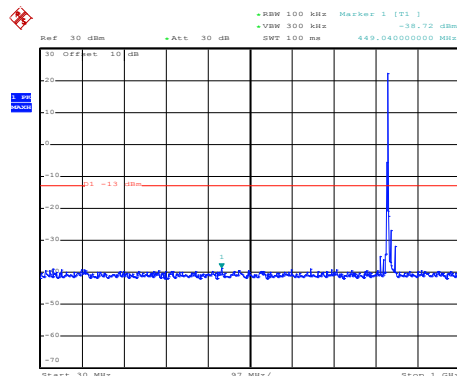
30MHz~1GHz



Date: 17.SEP.2019 14:30:27

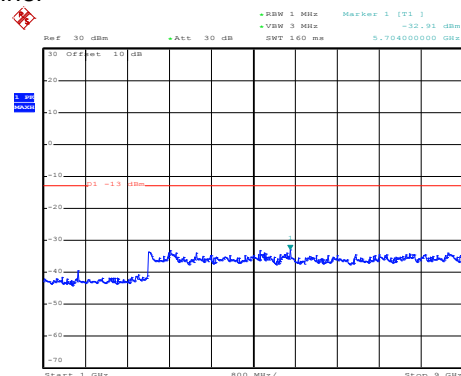
1GHz~9GHz

Middle channel



Date: 17.SEP.2019 14:33:26

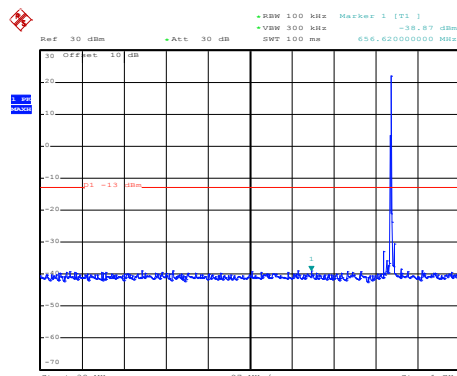
30MHz~1GHz



Date: 17.SEP.2019 14:31:13

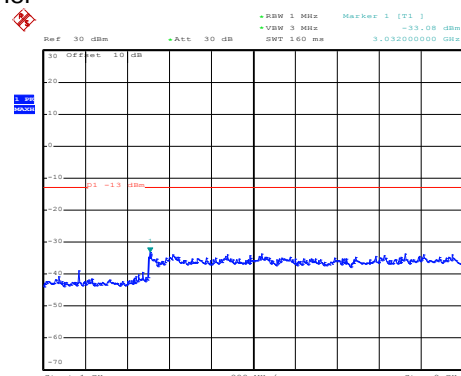
1GHz~9GHz

High channel



Date: 17.SEP.2019 14:32:54

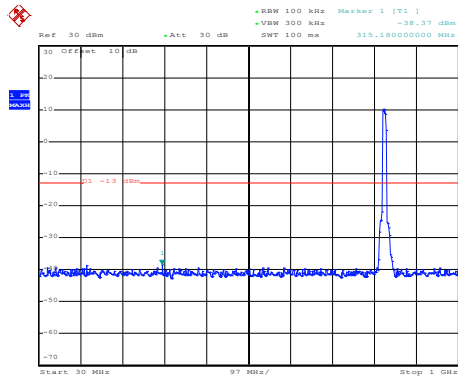
30MHz~1GHz



Date: 17.SEP.2019 14:31:31

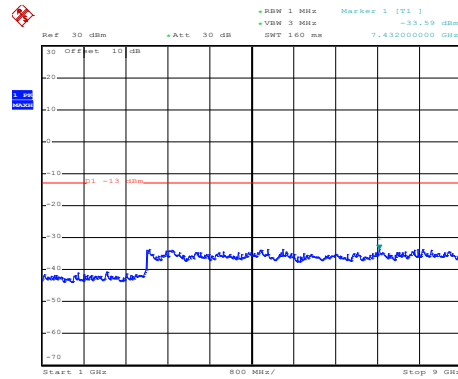
1GHz~9GHz

LTE Band 5: QPSK & RB Size 50 BW: 10MHz Lowest channel



Date: 17.SEP.2019 14:34:16

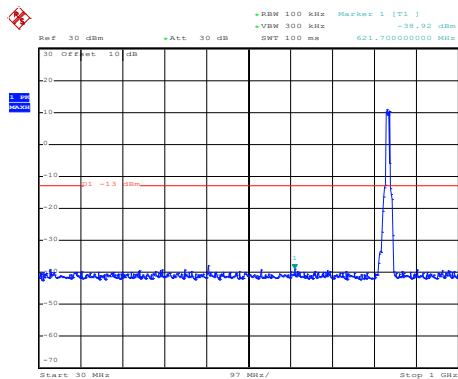
30MHz~1GHz



Date: 17.SEP.2019 14:30:42

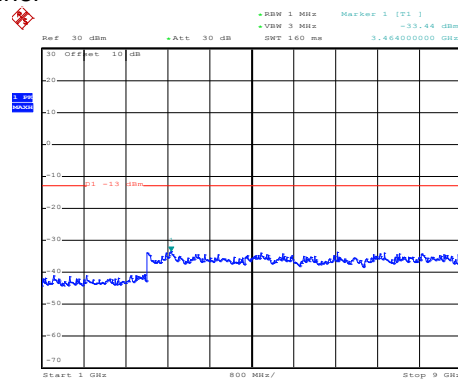
1GHz~9GHz

Middle channel



Date: 17.SEP.2019 14:33:50

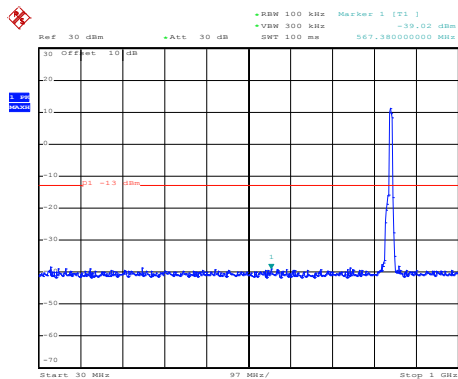
30MHz~1GHz



Date: 17.SEP.2019 14:31:00

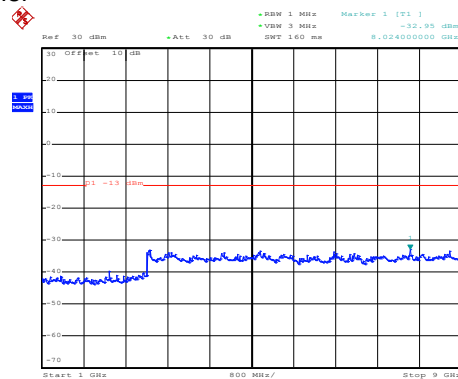
1GHz~9GHz

High channel



Date: 17.SEP.2019 14:32:29

30MHz~1GHz

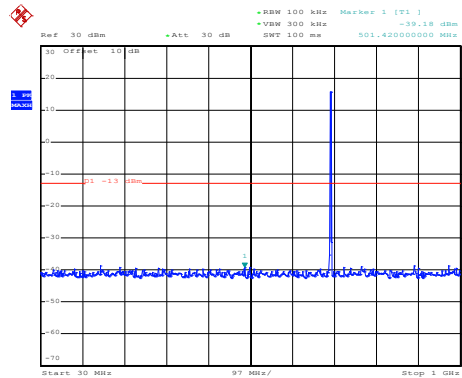


Date: 17.SEP.2019 14:31:46

1GHz~9GHz

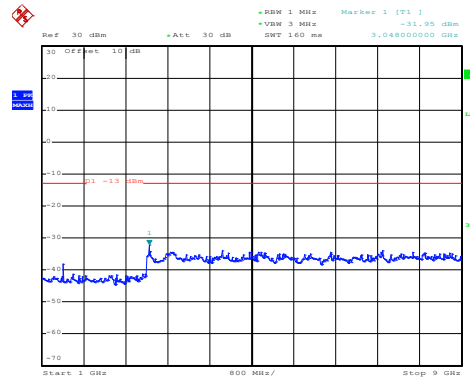
LTE Band 12 part:

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



Date: 17.SEP.2019 14:45:40

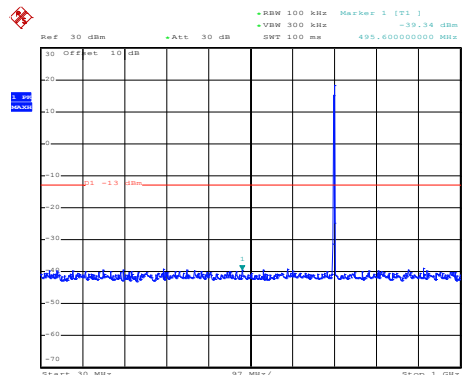
30MHz~1GHz



Date: 17.SEP.2019 15:12:15

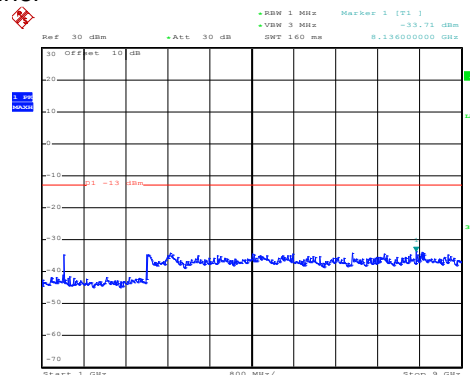
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 14:46:49

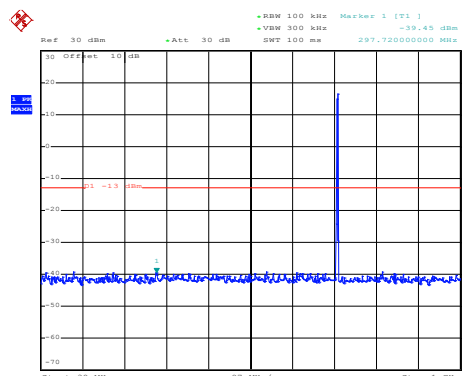
30MHz~1GHz



Date: 17.SEP.2019 15:13:03

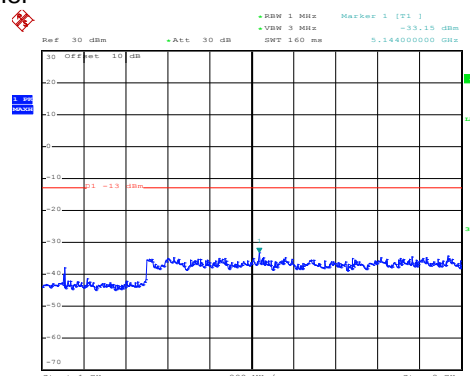
1GHz~25GHz

High channel



Date: 17.SEP.2019 14:47:14

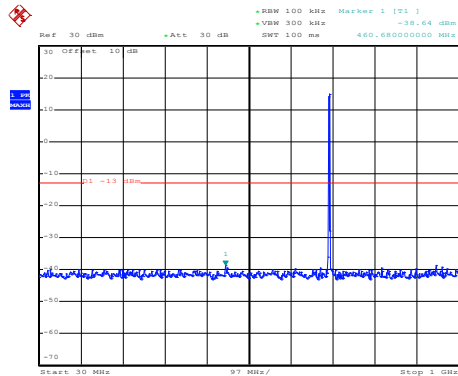
30MHz~1GHz



Date: 17.SEP.2019 15:13:20

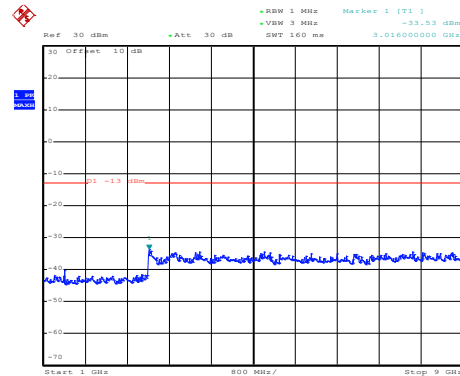
1GHz~25GHz

LTE Band 12: 16 QAM & RB Size 6
BW: 1.4MHz
Lowest channel



Date: 17.SEP.2019 14:45:59

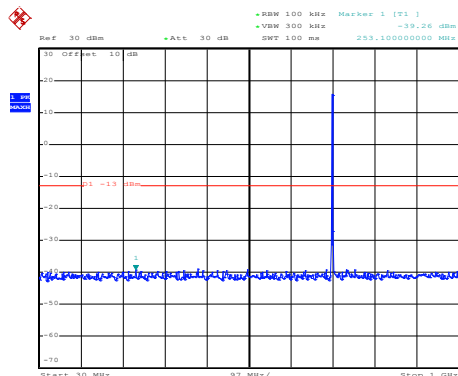
30MHz~1GHz



Date: 17.SEP.2019 15:12:31

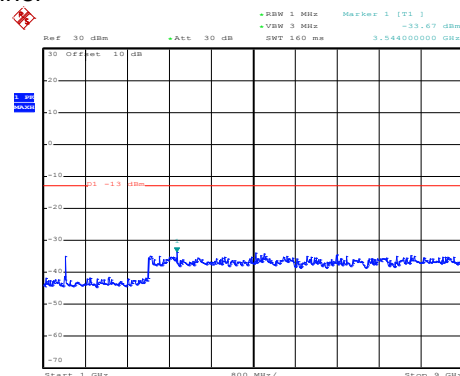
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 14:46:26

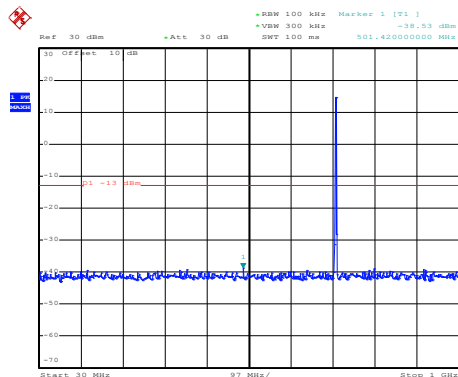
30MHz~1GHz



Date: 17.SEP.2019 15:12:48

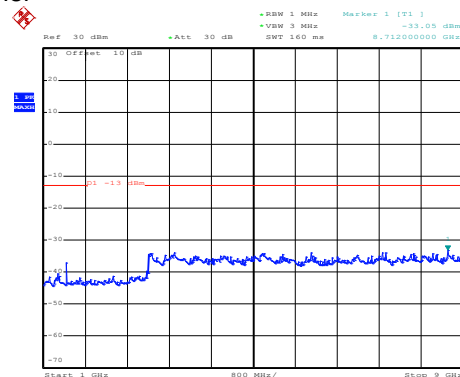
1GHz~25GHz

High channel



Date: 17.SEP.2019 14:47:36

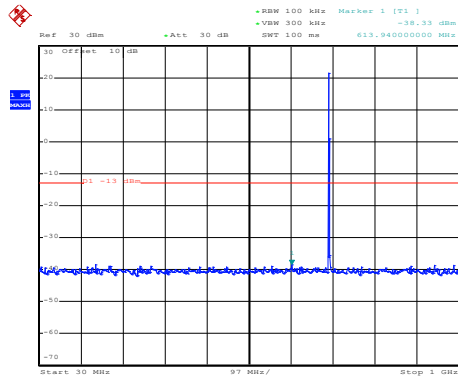
30MHz~1GHz



Date: 17.SEP.2019 15:13:36

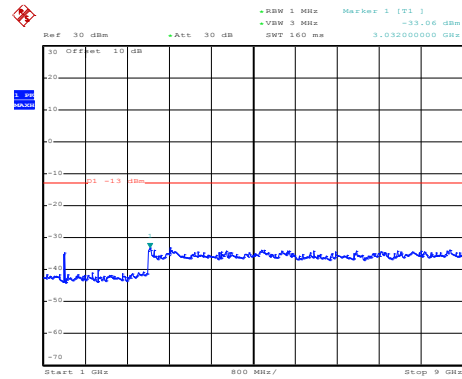
1GHz~25GHz

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



Date: 17.SEP.2019 14:45:27

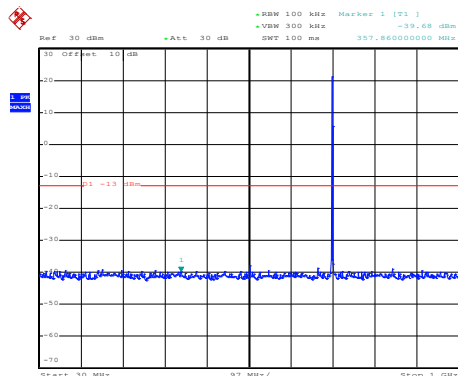
30MHz~1GHz



Date: 17.SEP.2019 15:12:08

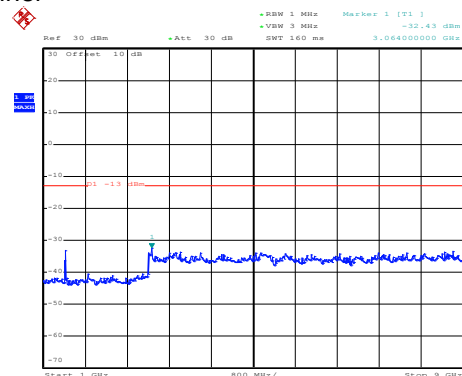
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 14:46:41

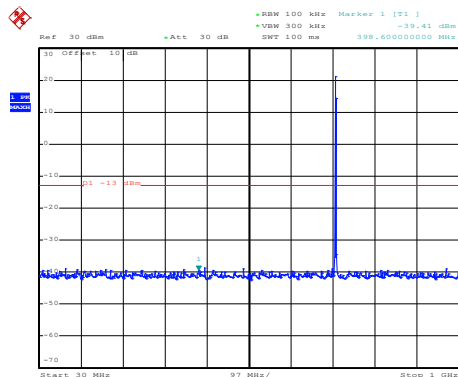
30MHz~1GHz



Date: 17.SEP.2019 15:12:58

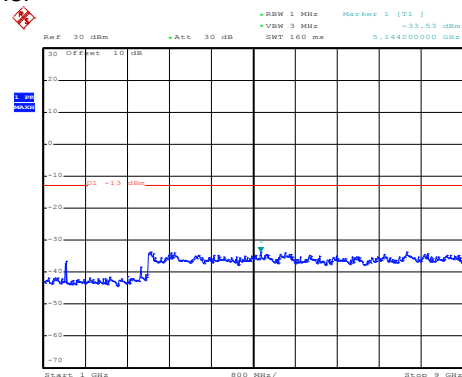
1GHz~25GHz

High channel



Date: 17.SEP.2019 14:47:05

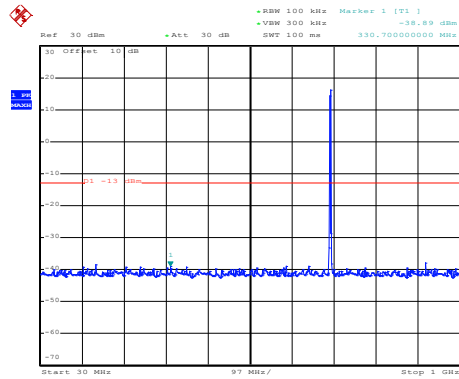
30MHz~1GHz



Date: 17.SEP.2019 15:13:14

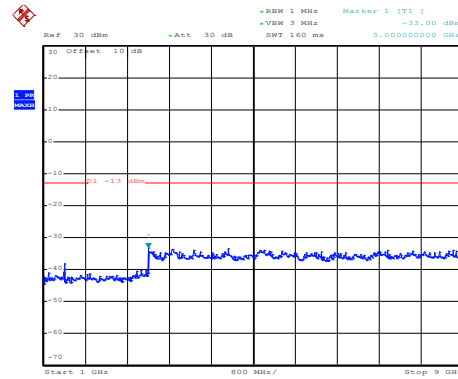
1GHz~25GHz

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



Date: 17.SEP.2019 14:45:51

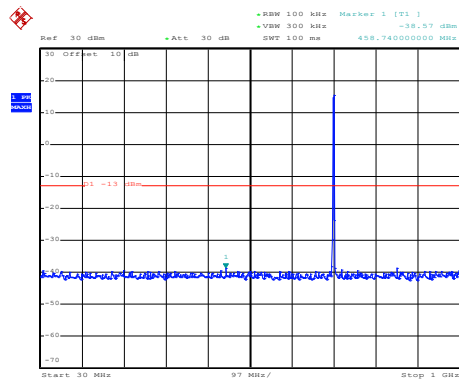
30MHz~1GHz



Date: 17.SEP.2019 15:12:25

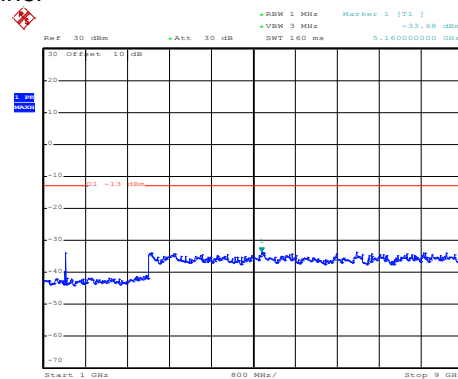
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 14:46:15

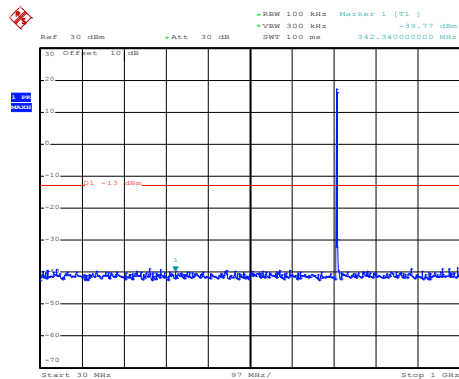
30MHz~1GHz



Date: 17.SEP.2019 15:12:42

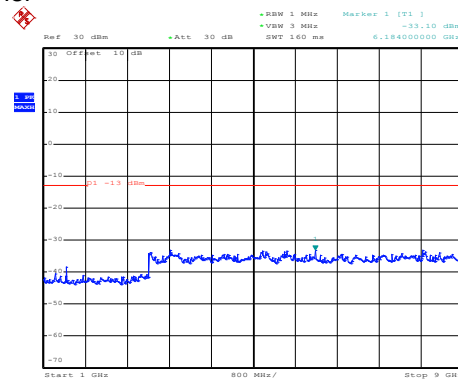
1GHz~25GHz

High channel



Date: 17.SEP.2019 14:47:26

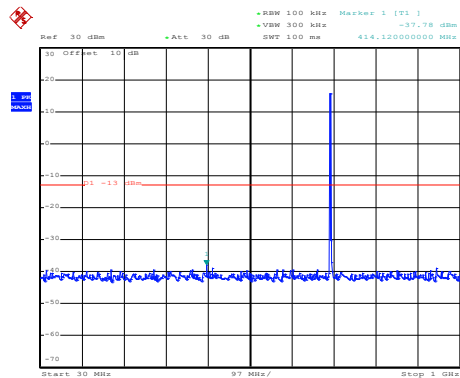
30MHz~1GHz



Date: 17.SEP.2019 15:13:29

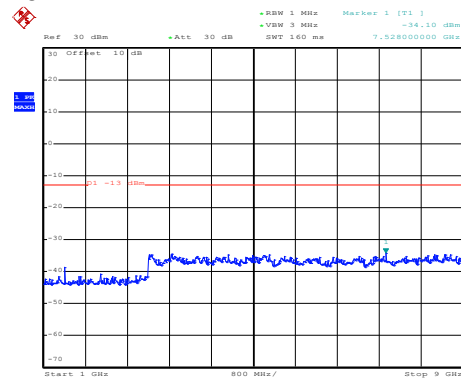
1GHz~25GHz

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



Date: 17.SEP.2019 14:48:18

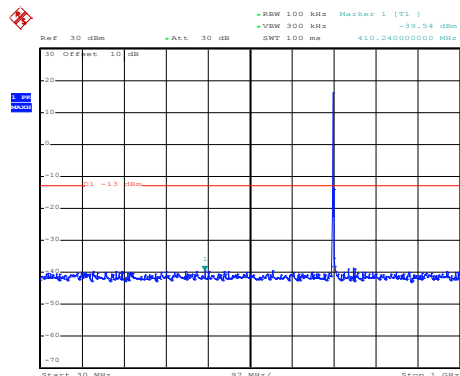
30MHz~1GHz



Date: 17.SEP.2019 15:06:44

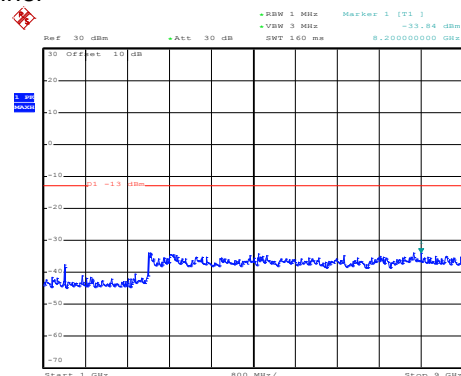
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 14:49:27

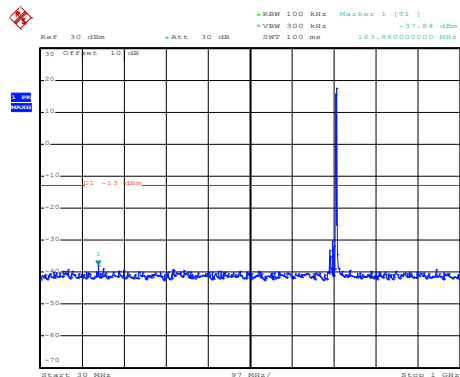
30MHz~1GHz



Date: 17.SEP.2019 15:07:33

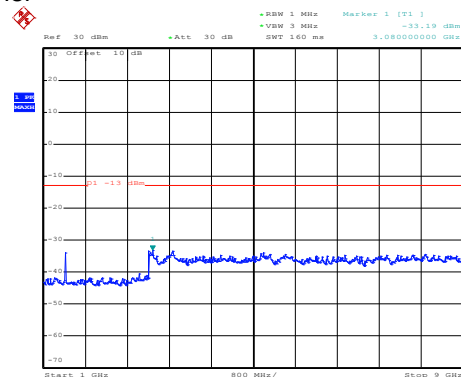
1GHz~25GHz

High channel



Date: 17.SEP.2019 14:49:53

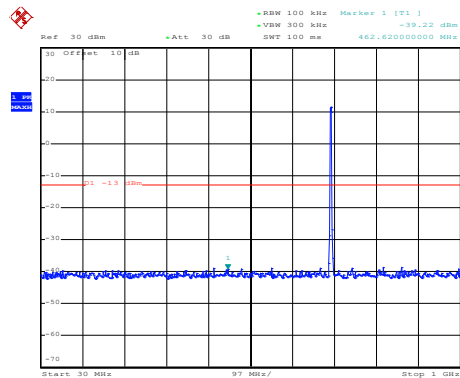
30MHz~1GHz



Date: 17.SEP.2019 15:11:24

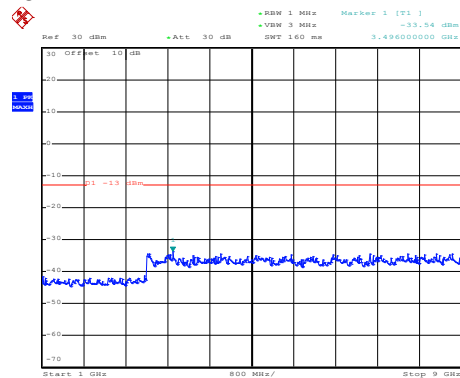
1GHz~25GHz

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



Date: 17.SEP.2019 14:48:44

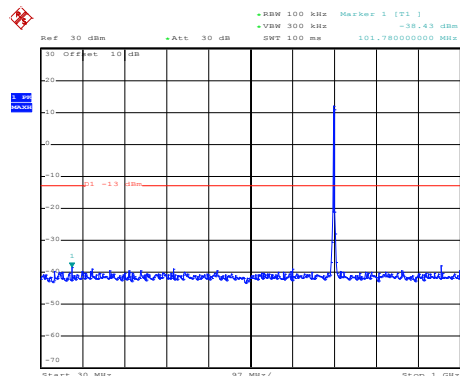
30MHz~1GHz



Date: 17.SEP.2019 15:07:00

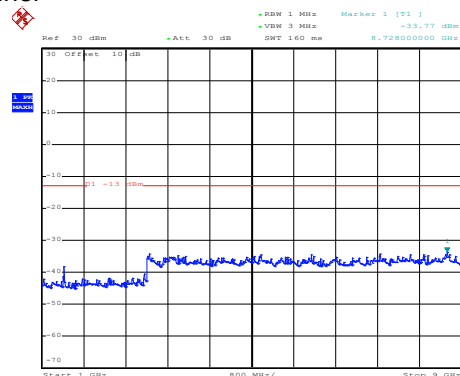
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 14:49:06

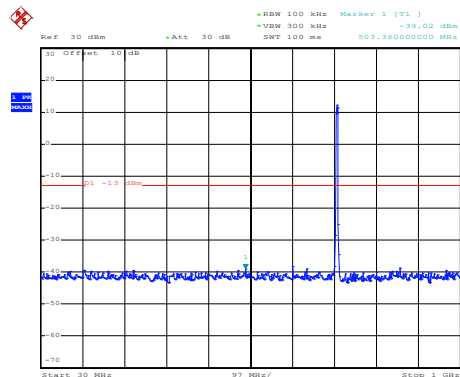
30MHz~1GHz



Date: 17.SEP.2019 15:07:19

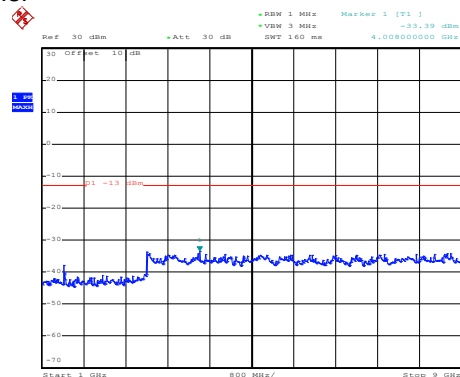
1GHz~25GHz

High channel



Date: 17.SEP.2019 14:50:16

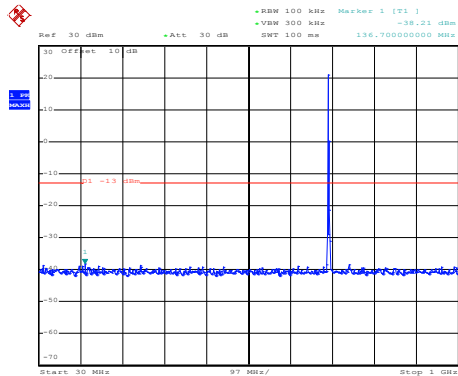
30MHz~1GHz



Date: 17.SEP.2019 15:11:40

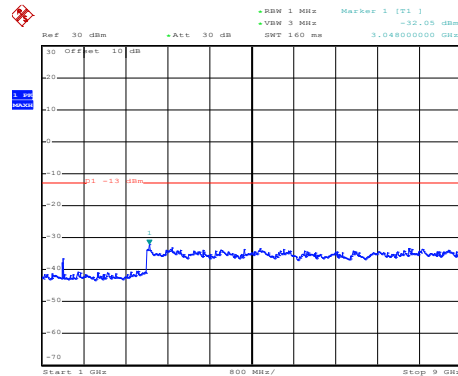
1GHz~25GHz

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



Date: 17.SEP.2019 14:48:09

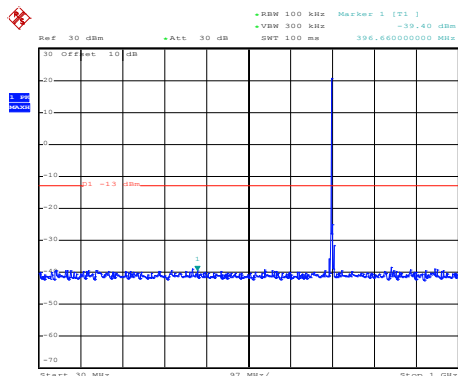
30MHz~1GHz



Date: 17.SEP.2019 15:06:38

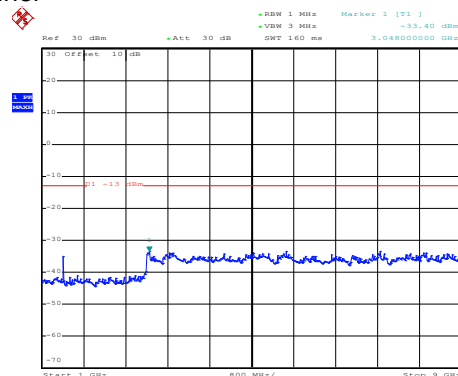
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 14:49:19

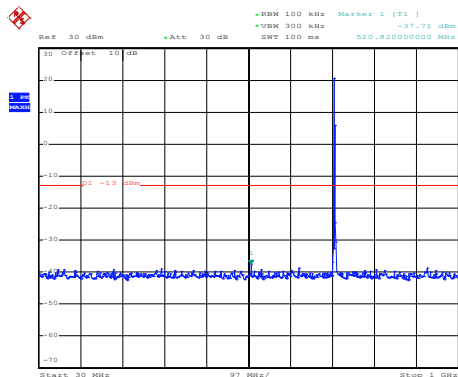
30MHz~1GHz



Date: 17.SEP.2019 15:07:27

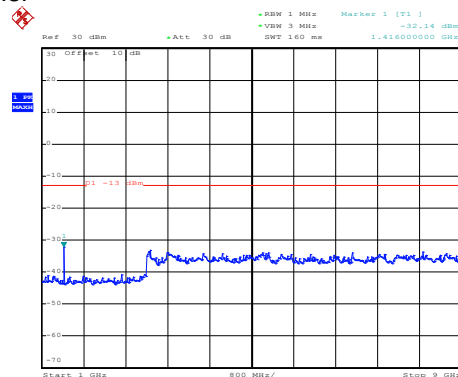
1GHz~25GHz

High channel



Date: 17.SEP.2019 14:49:41

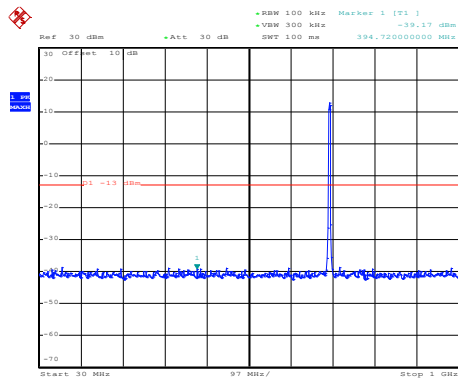
30MHz~1GHz



Date: 17.SEP.2019 15:11:16

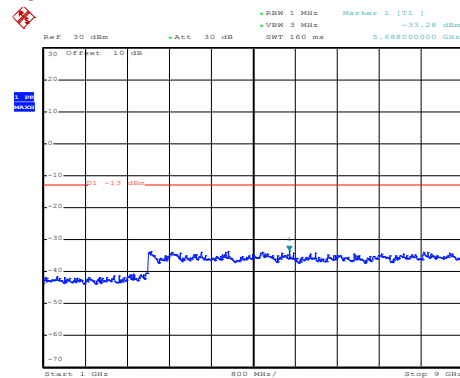
1GHz~25GHz

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



Date: 17.SEP.2019 14:48:30

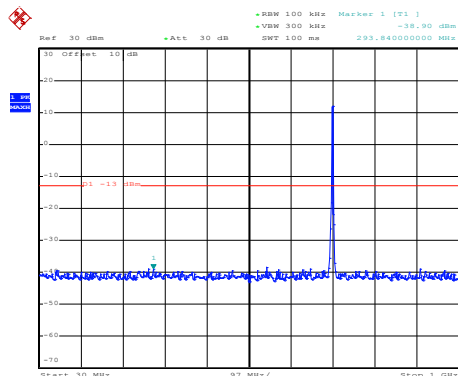
30MHz~1GHz



Date: 17.SEP.2019 15:06:54

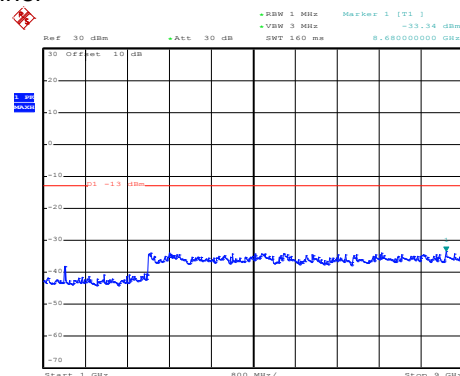
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 14:48:57

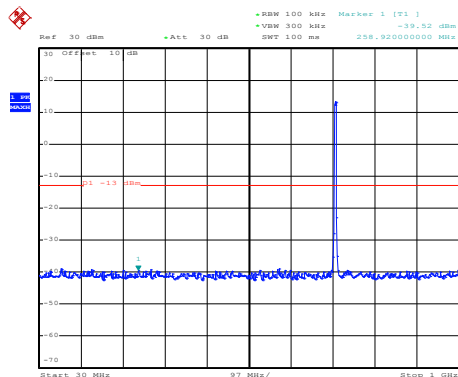
30MHz~1GHz



Date: 17.SEP.2019 15:07:13

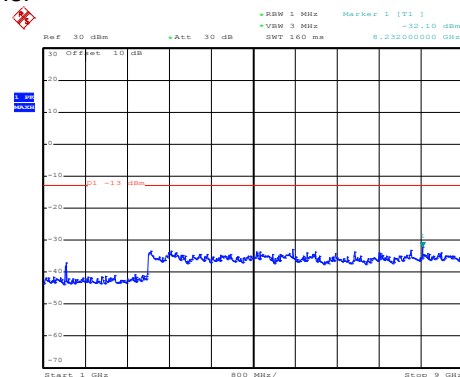
1GHz~25GHz

High channel



Date: 17.SEP.2019 14:50:06

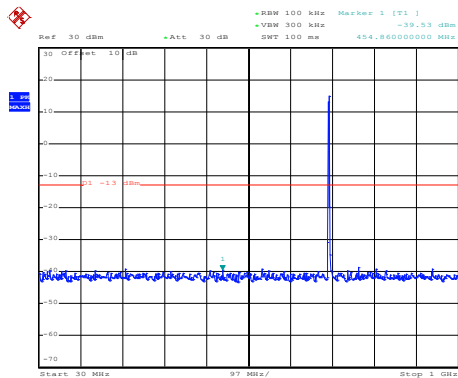
30MHz~1GHz



Date: 17.SEP.2019 15:11:33

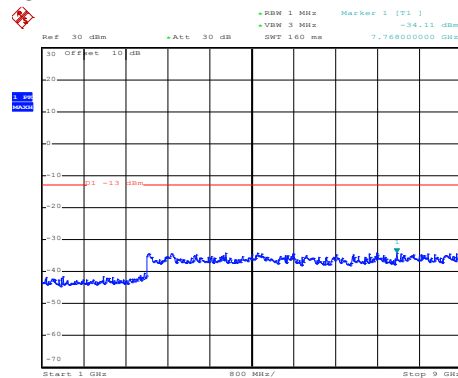
1GHz~25GHz

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



Date: 17.SEP.2019 14:51:56

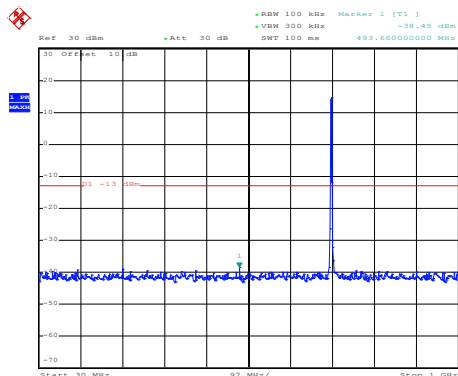
30MHz~1GHz



Date: 17.SEP.2019 15:04:34

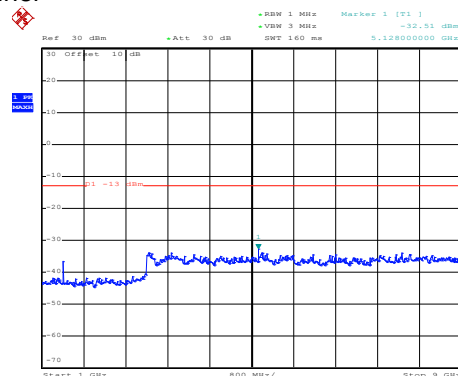
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 14:53:09

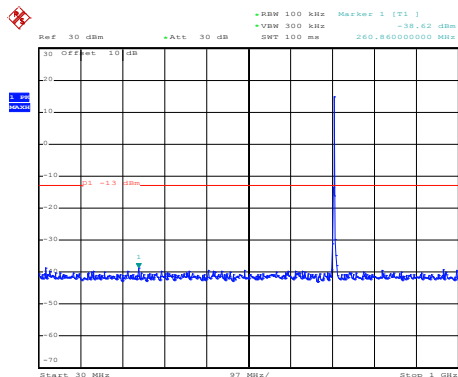
30MHz~1GHz



Date: 17.SEP.2019 15:05:28

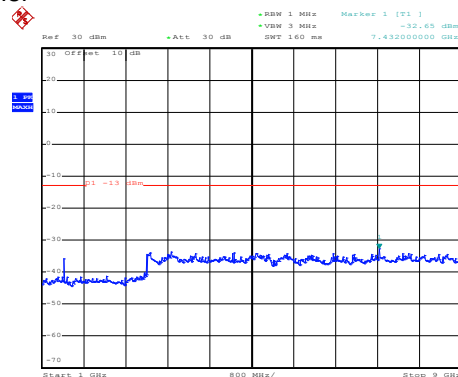
1GHz~25GHz

High channel



Date: 17.SEP.2019 14:53:35

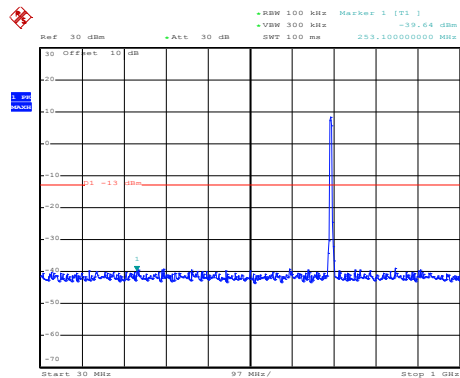
30MHz~1GHz



Date: 17.SEP.2019 15:05:52

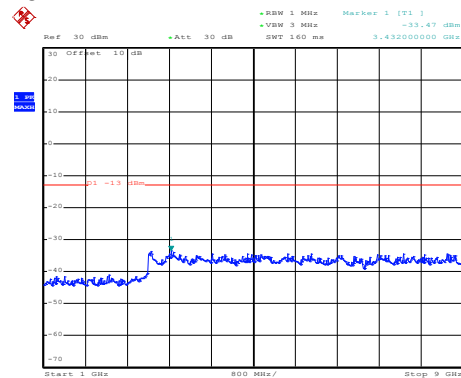
1GHz~25GHz

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



Date: 17.SEP.2019 14:52:18

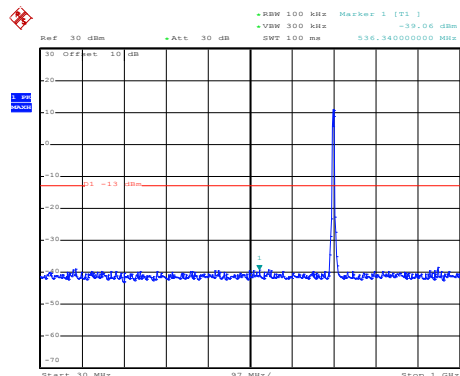
30MHz~1GHz



Date: 17.SEP.2019 15:04:51

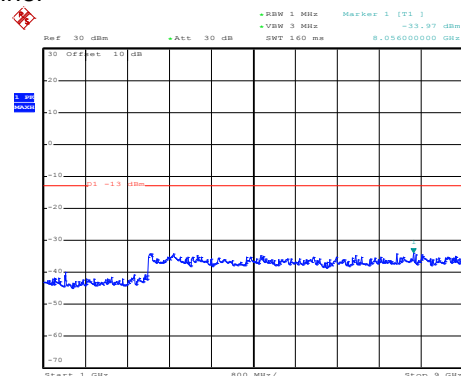
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 14:52:43

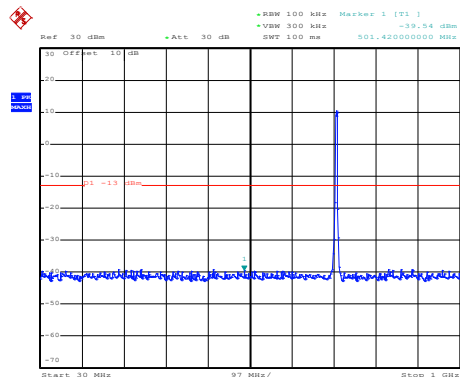
30MHz~1GHz



Date: 17.SEP.2019 15:05:12

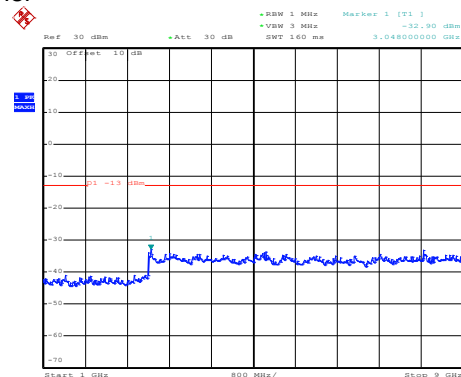
1GHz~25GHz

High channel



Date: 17.SEP.2019 14:54:04

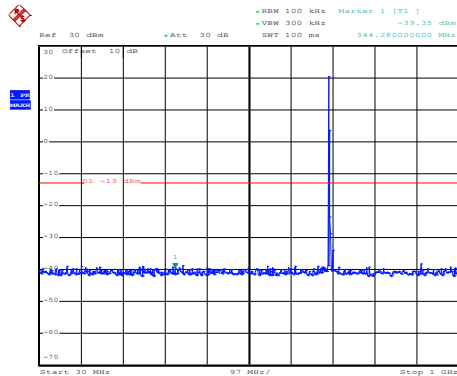
30MHz~1GHz



Date: 17.SEP.2019 15:06:08

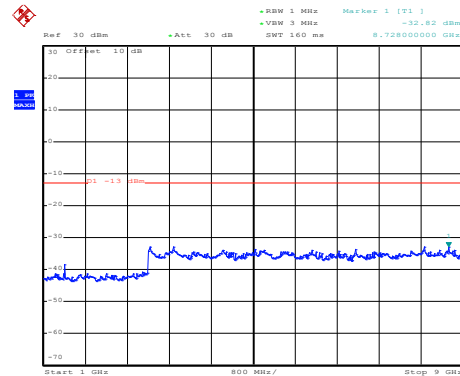
1GHz~25GHz

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



Date: 17.SEP.2019 14:51:47

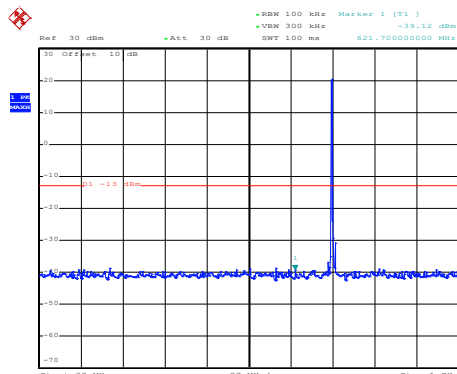
30MHz~1GHz



Date: 17.SEP.2019 15:04:28

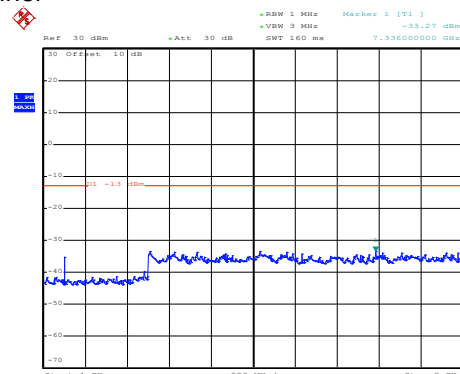
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 14:52:59

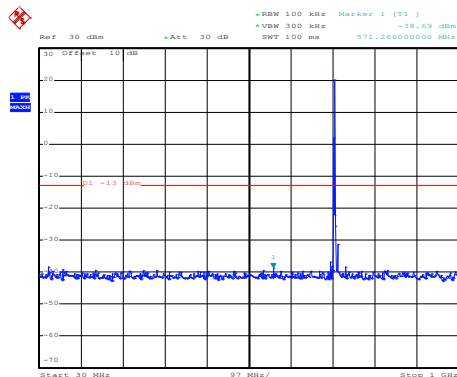
30MHz~1GHz



Date: 17.SEP.2019 15:05:21

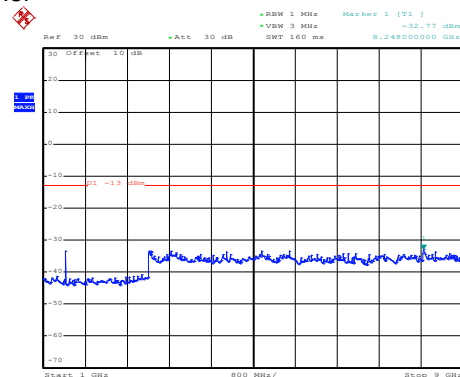
1GHz~25GHz

High channel



Date: 17.SEP.2019 14:53:26

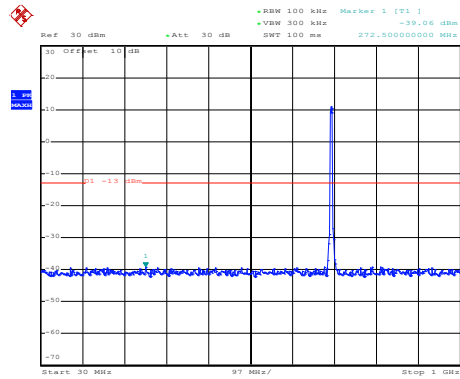
30MHz~1GHz



Date: 17.SEP.2019 15:05:44

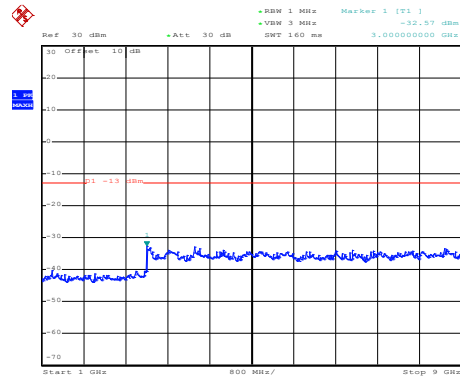
1GHz~25GHz

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



Date: 17.SEP.2019 14:52:11

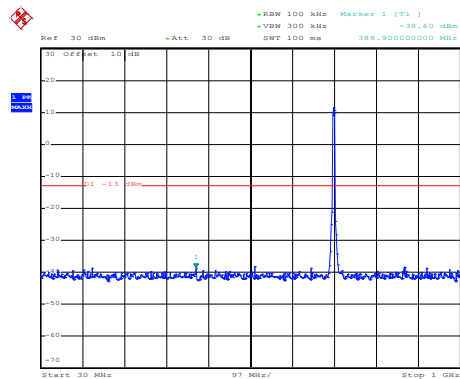
30MHz~1GHz



Date: 17.SEP.2019 15:04:45

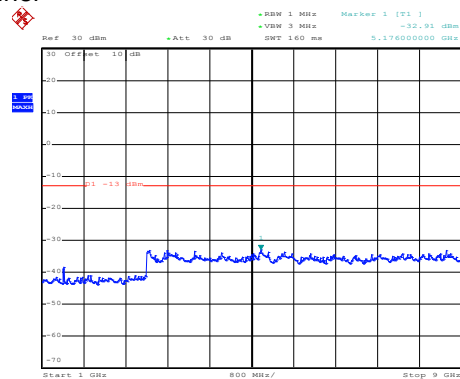
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 14:52:32

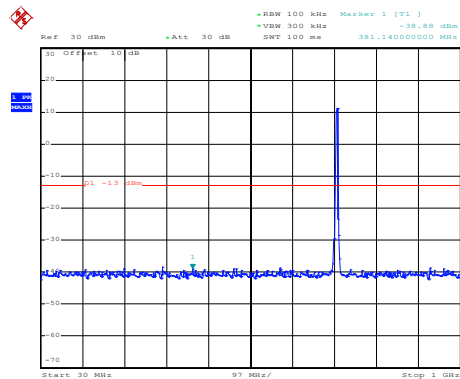
30MHz~1GHz



Date: 17.SEP.2019 15:05:06

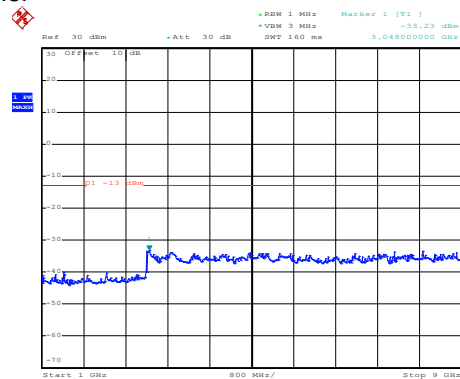
1GHz~25GHz

High channel



Date: 17.SEP.2019 14:53:55

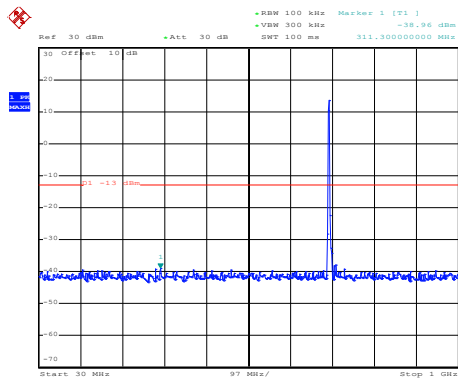
30MHz~1GHz



Date: 17.SEP.2019 15:06:01

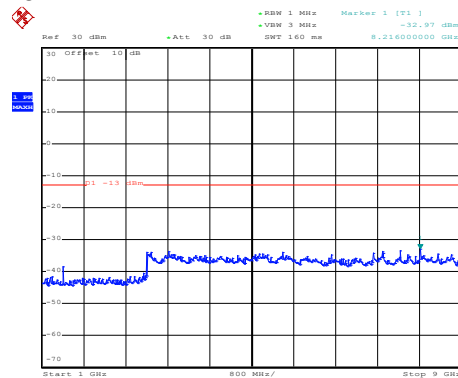
1GHz~25GHz

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



Date: 17.SEP.2019 14:54:47

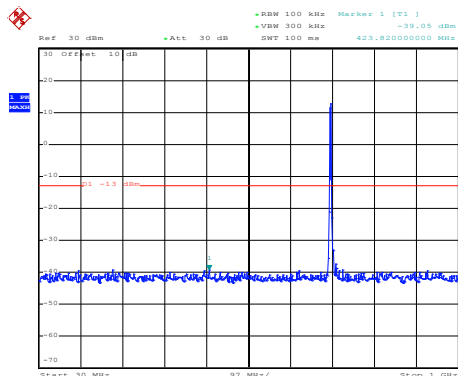
30MHz~1GHz



Date: 17.SEP.2019 15:03:32

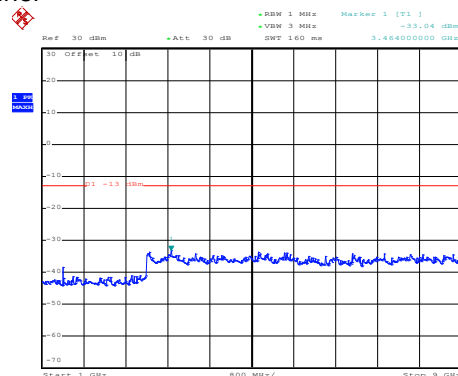
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 14:57:46

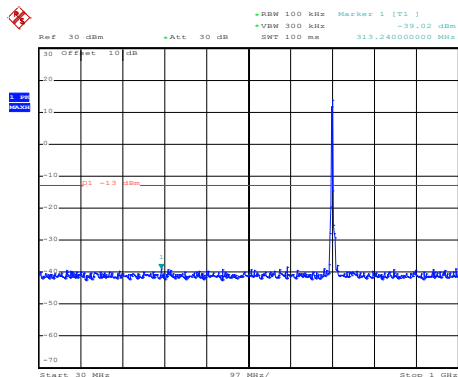
30MHz~1GHz



Date: 17.SEP.2019 15:01:11

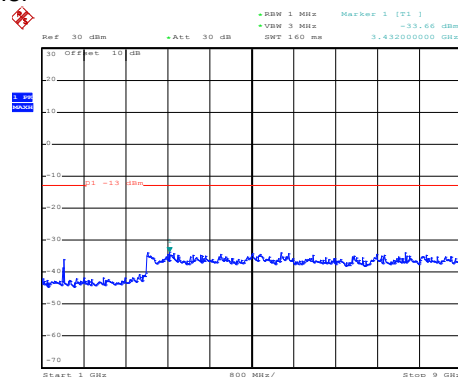
1GHz~25GHz

High channel



Date: 17.SEP.2019 14:58:19

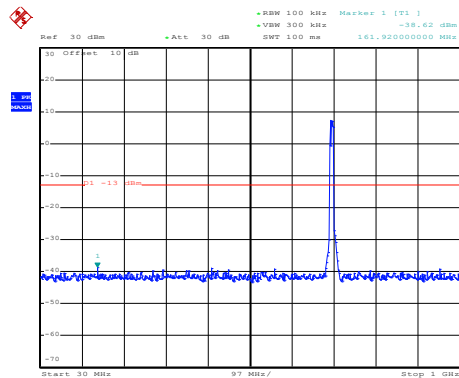
30MHz~1GHz



Date: 17.SEP.2019 15:00:49

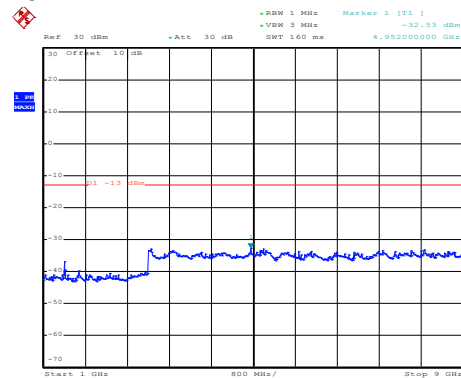
1GHz~25GHz

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



Date: 17.SEP.2019 14:55:10

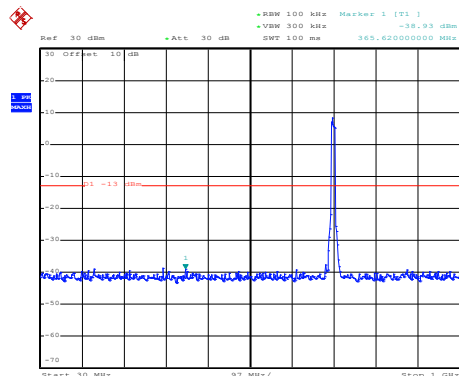
30MHz~1GHz



Date: 17.SEP.2019 15:04:15

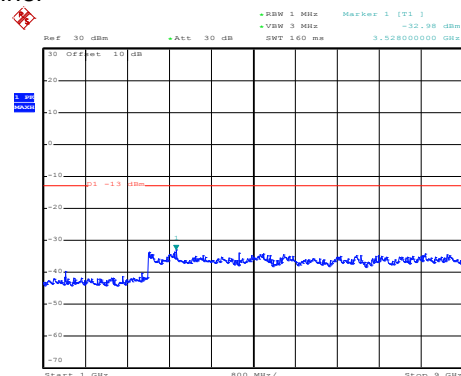
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 14:57:13

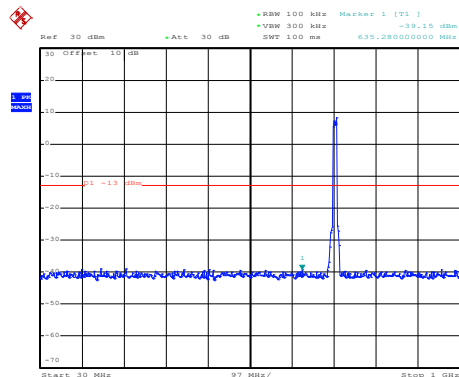
30MHz~1GHz



Date: 17.SEP.2019 15:02:57

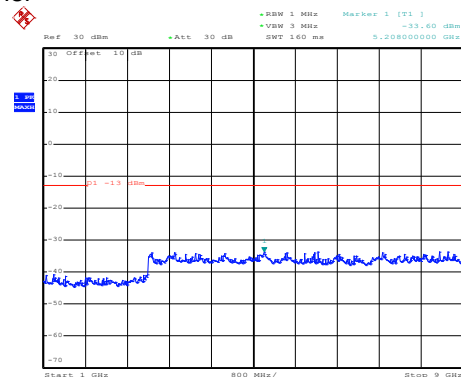
1GHz~25GHz

High channel



Date: 17.SEP.2019 14:59:45

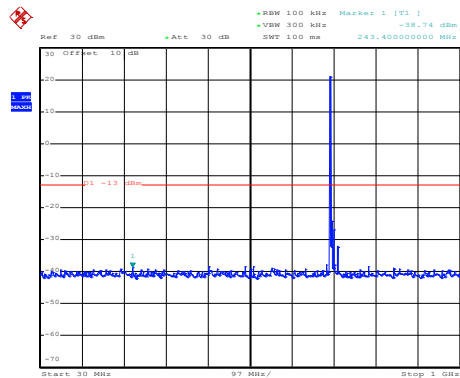
30MHz~1GHz



Date: 17.SEP.2019 15:00:32

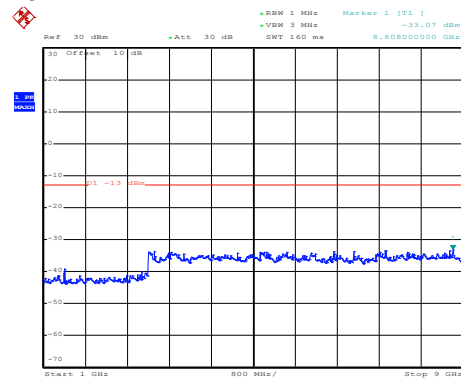
1GHz~25GHz

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



Date: 17.SEP.2019 14:54:38

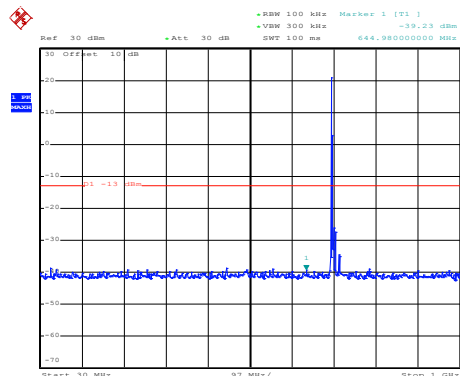
30MHz~1GHz



Date: 17.SEP.2019 15:03:24

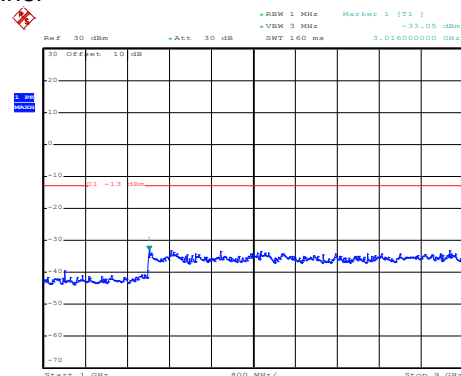
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 14:57:38

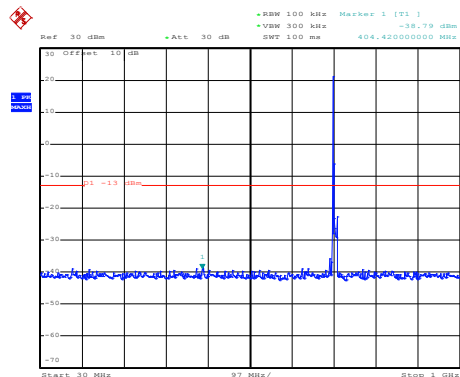
30MHz~1GHz



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

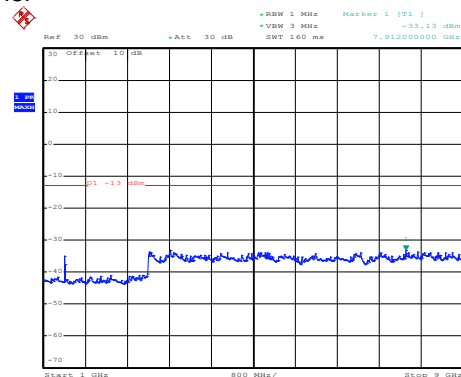
1GHz~25GHz

High channel



Date: 17.SEP.2019 14:58:06

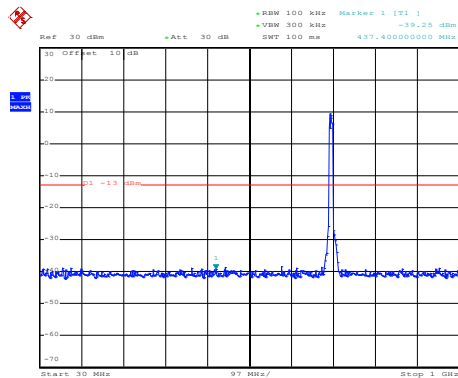
30MHz~1GHz



Date: 17.SEP.2019 15:00:43

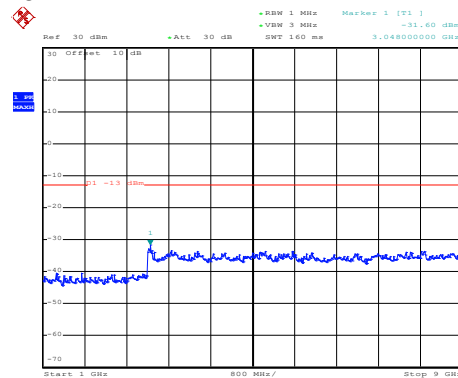
1GHz~25GHz

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



Date: 17.SEP.2019 14:55:02

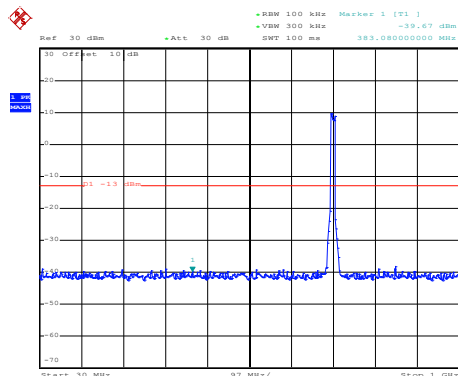
30MHz~1GHz



Date: 17.SEP.2019 15:03:43

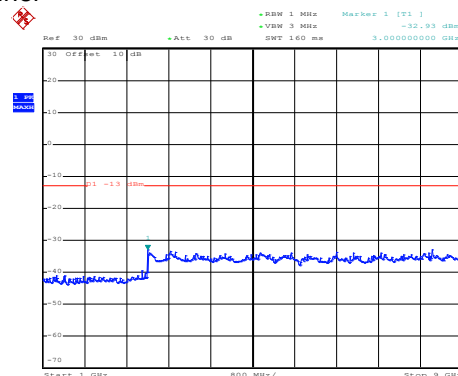
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 14:57:24

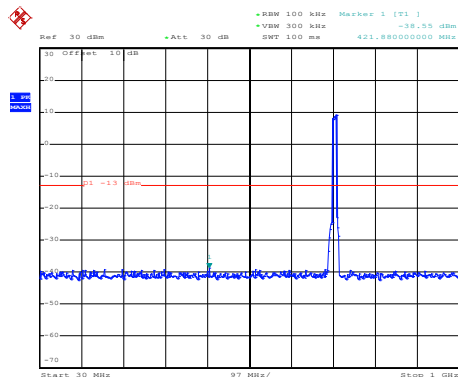
30MHz~1GHz



Date: 17.SEP.2019 15:01:21

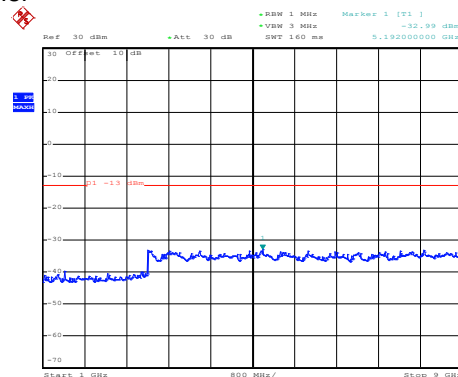
1GHz~25GHz

High channel



Date: 17.SEP.2019 14:59:32

30MHz~1GHz

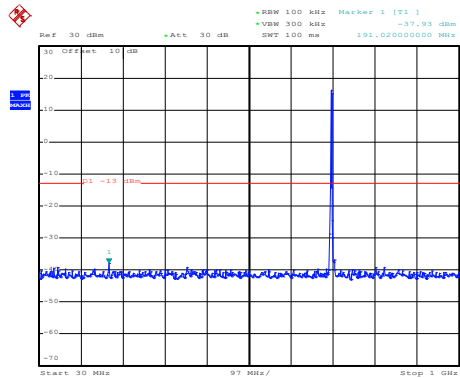


Date: 17.SEP.2019 15:00:21

1GHz~25GHz

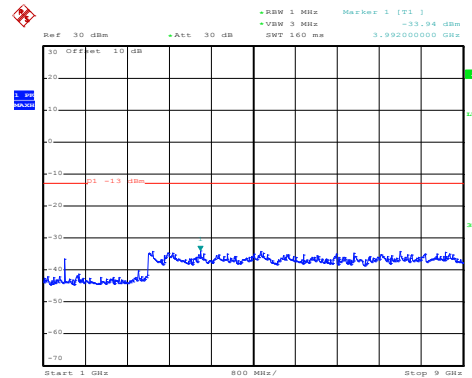
LTE Band 17 part:

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



Date: 17.SEP.2019 15:22:53

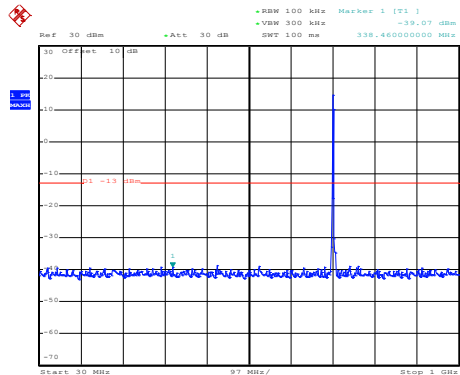
30MHz~1GHz



Date: 17.SEP.2019 15:14:40

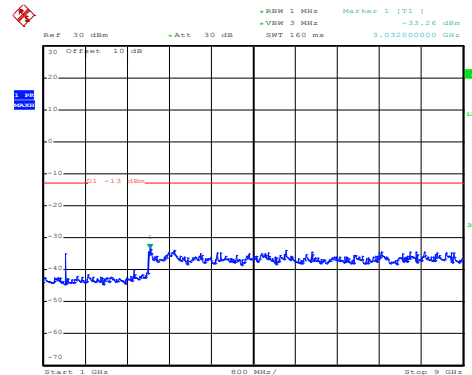
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 15:24:14

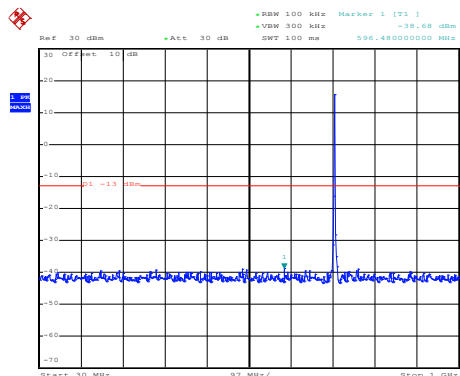
30MHz~1GHz



Date: 17.SEP.2019 15:15:36

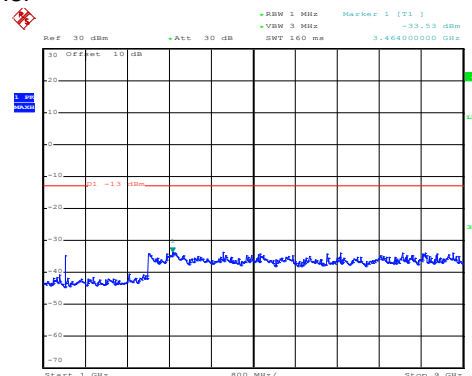
1GHz~25GHz

High channel



Date: 17.SEP.2019 15:25:31

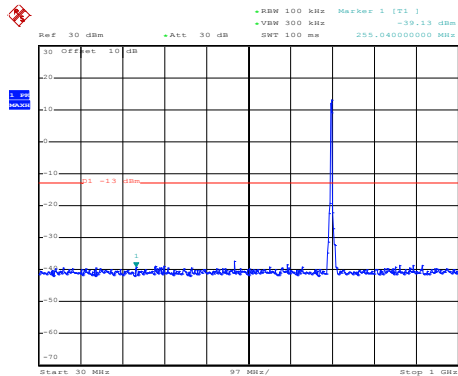
30MHz~1GHz



Date: 17.SEP.2019 15:16:00

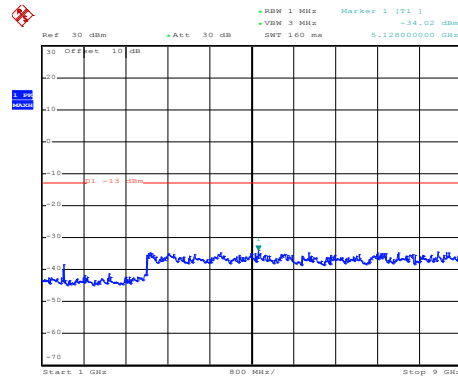
1GHz~25GHz

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



Date: 17.SEP.2019 15:23:23

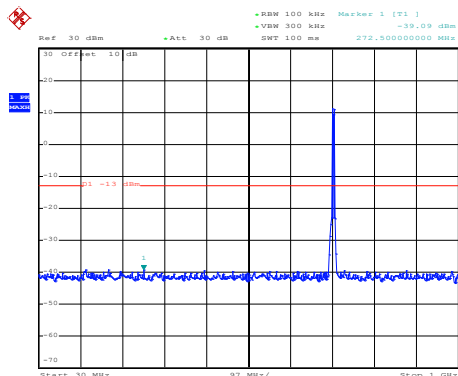
30MHz~1GHz



Date: 17.SEP.2019 15:14:55

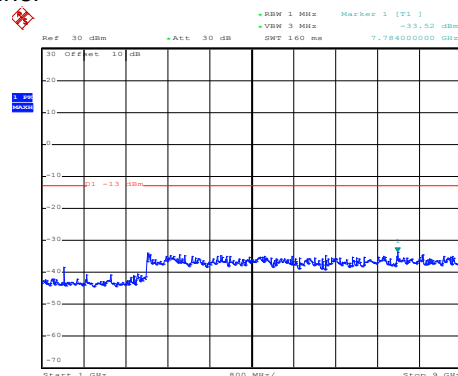
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 15:23:50

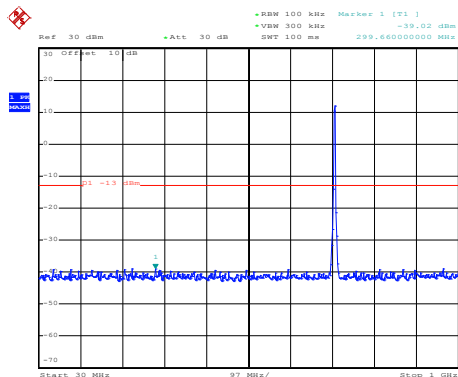
30MHz~1GHz



Date: 17.SEP.2019 15:15:18

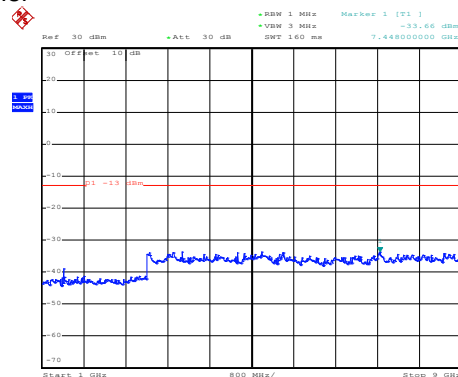
1GHz~25GHz

High channel



Date: 17.SEP.2019 15:25:56

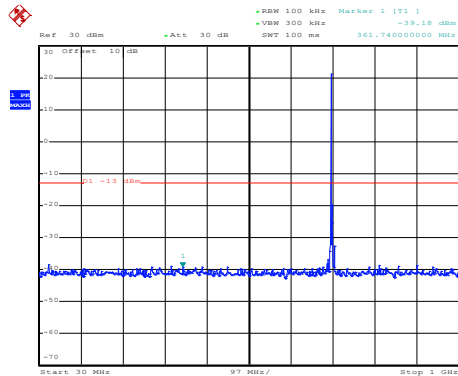
30MHz~1GHz



Date: 17.SEP.2019 15:16:19

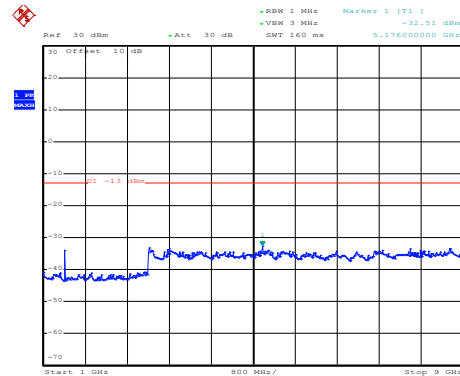
1GHz~25GHz

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



Date: 17.SEP.2019 15:22:44

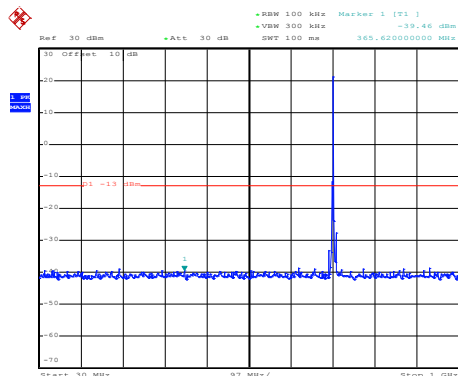
30MHz~1GHz



Date: 17.SEP.2019 15:14:34

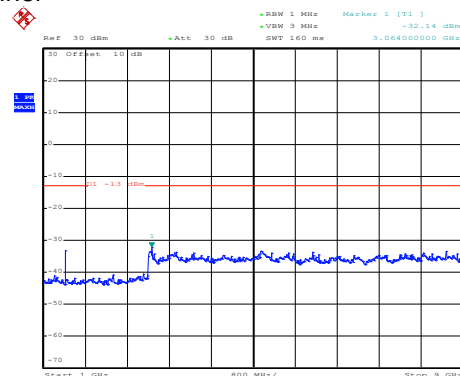
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 15:24:05

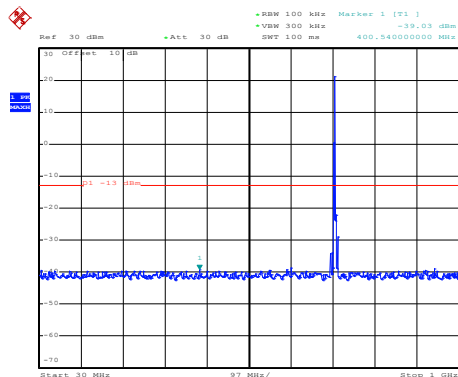
30MHz~1GHz



Date: 17.SEP.2019 15:15:29

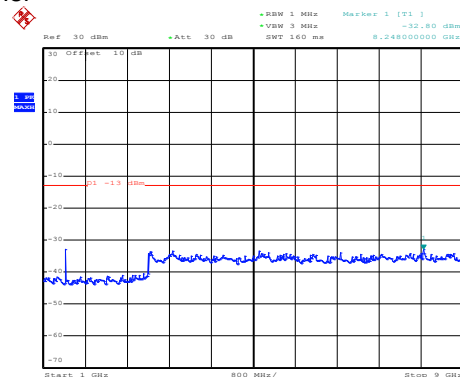
1GHz~25GHz

High channel



Date: 17.SEP.2019 15:25:22

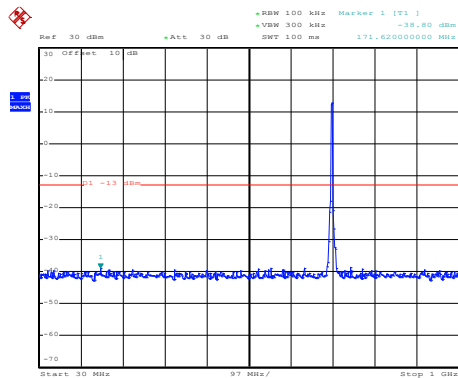
30MHz~1GHz



Date: 17.SEP.2019 15:15:53

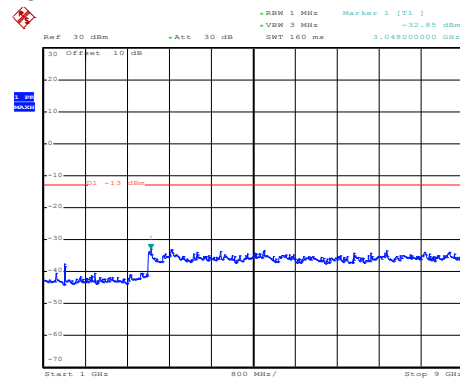
1GHz~25GHz

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



Date: 17.SEP.2019 15:23:04

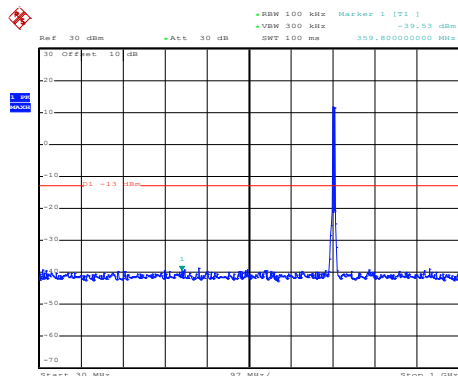
30MHz~1GHz



Date: 17.SEP.2019 15:14:50

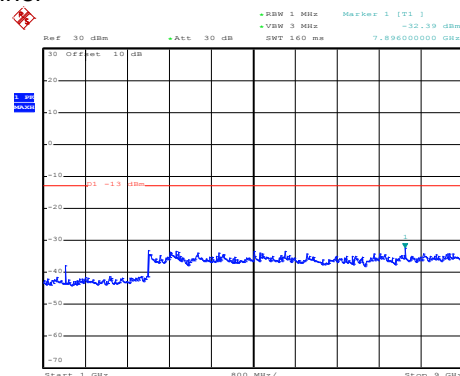
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 15:23:41

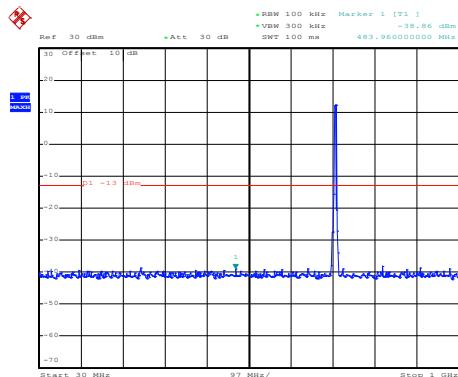
30MHz~1GHz



Date: 17.SEP.2019 15:15:11

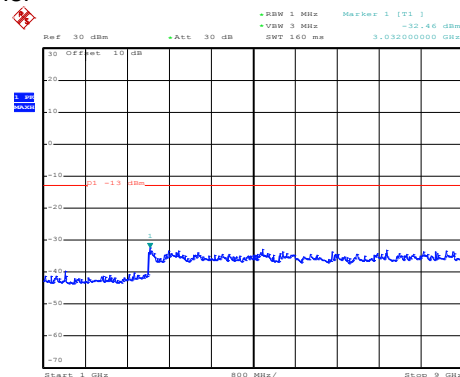
1GHz~25GHz

High channel



Date: 17.SEP.2019 15:25:46

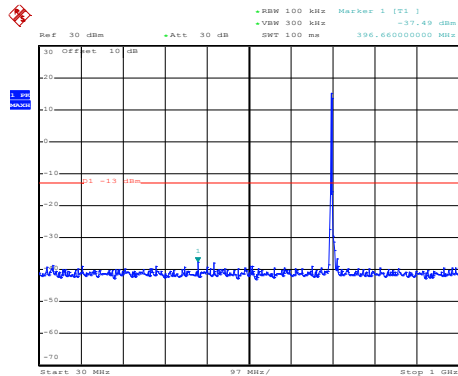
30MHz~1GHz



Date: 17.SEP.2019 15:16:12

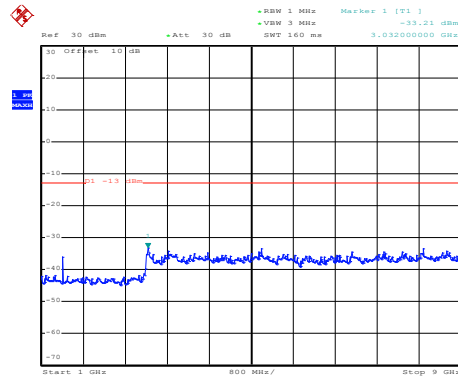
1GHz~25GHz

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



Date: 17.SEP.2019 15:22:20

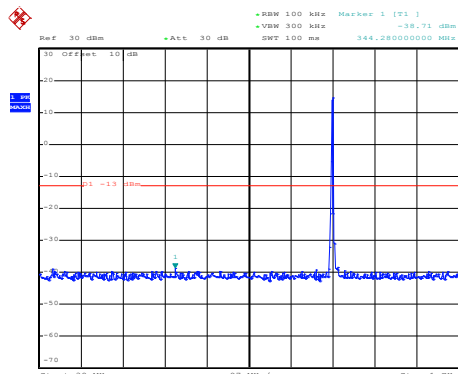
30MHz~1GHz



Date: 17.SEP.2019 15:16:49

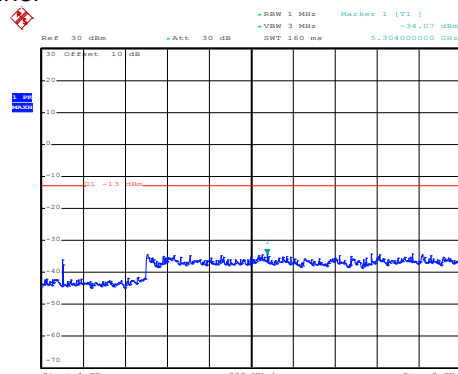
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 15:19:57

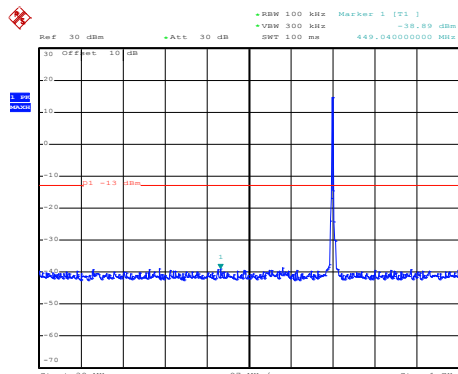
30MHz~1GHz



Date: 17.SEP.2019 15:17:42

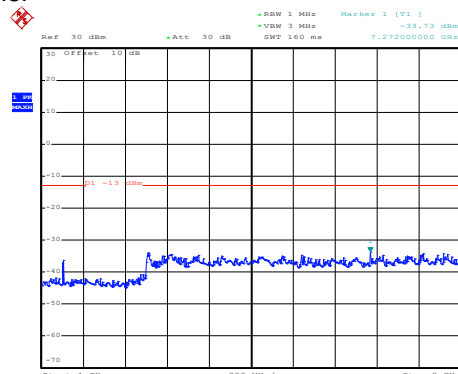
1GHz~25GHz

High channel



Date: 17.SEP.2019 15:19:25

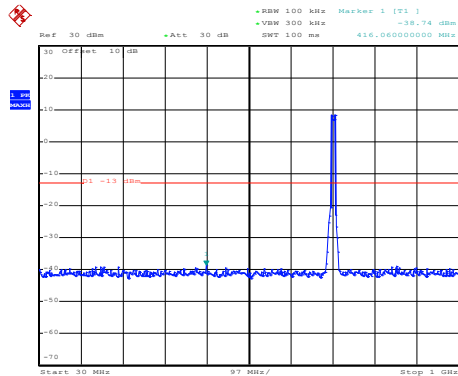
30MHz~1GHz



Date: 17.SEP.2019 15:17:59

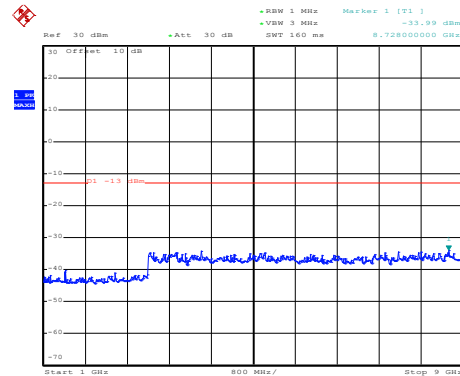
1GHz~25GHz

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



Date: 17.SEP.2019 15:21:55

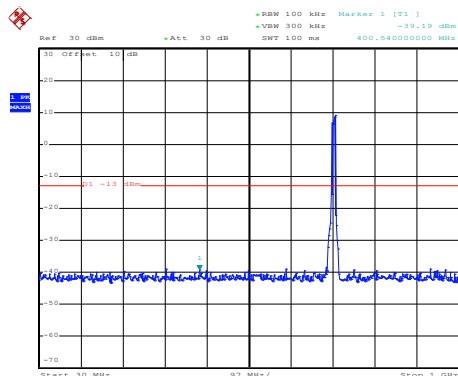
30MHz~1GHz



Date: 17.SEP.2019 15:17:05

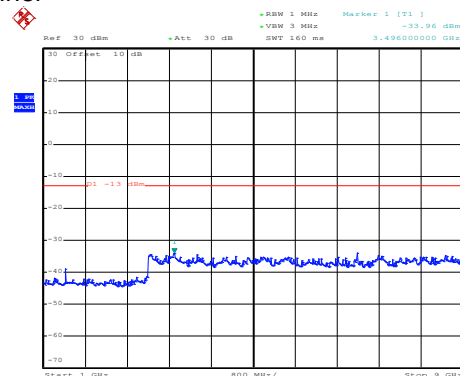
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 15:20:19

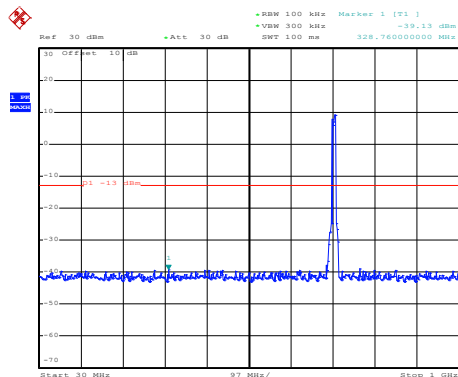
30MHz~1GHz



Date: 17.SEP.2019 15:17:27

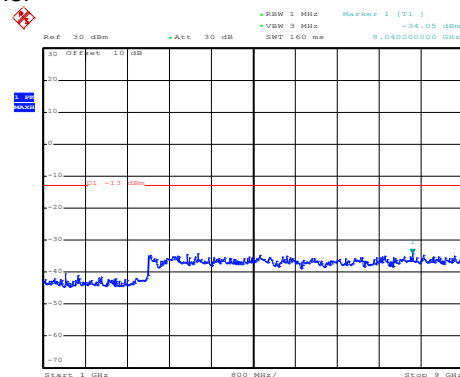
1GHz~25GHz

High channel



Date: 17.SEP.2019 15:19:00

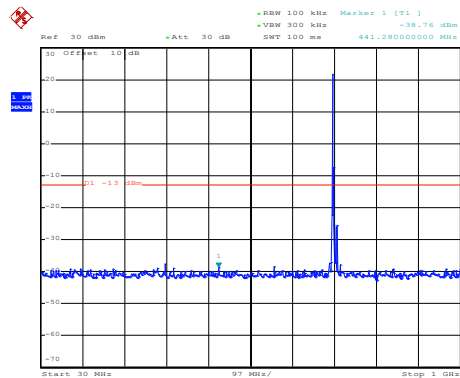
30MHz~1GHz



Date: 17.SEP.2019 15:18:15

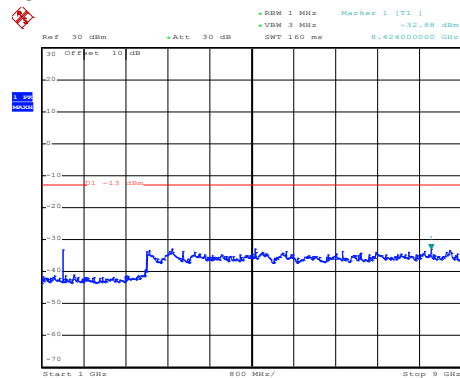
1GHz~25GHz

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



Date: 17.SEP.2019 15:22:09

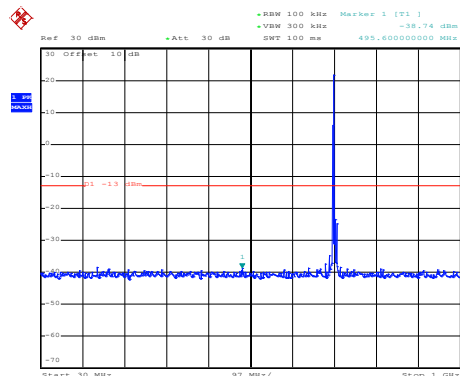
30MHz~1GHz



Date: 17.SEP.2019 15:16:43

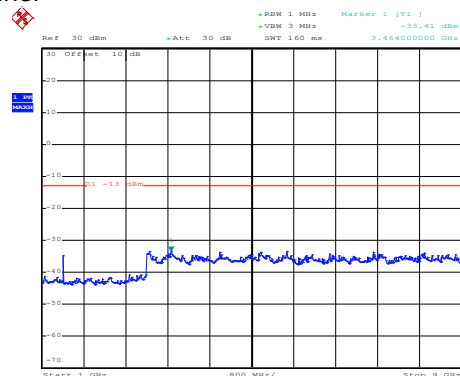
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 15:19:46

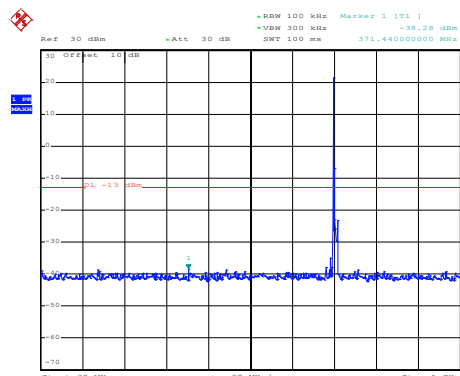
30MHz~1GHz



Date: 17.SEP.2019 15:17:36

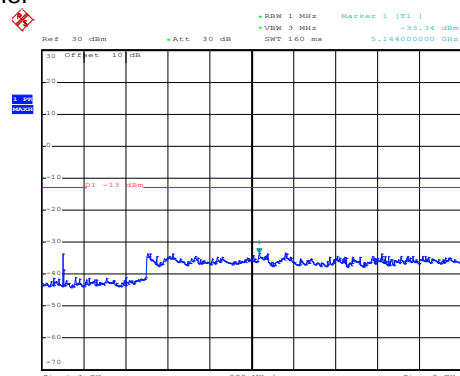
1GHz~25GHz

High channel



Date: 17.SEP.2019 15:19:15

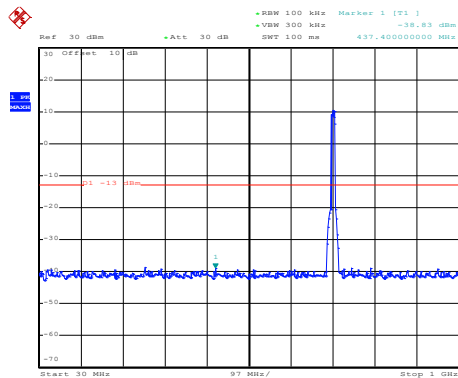
30MHz~1GHz



Date: 17.SEP.2019 15:17:53

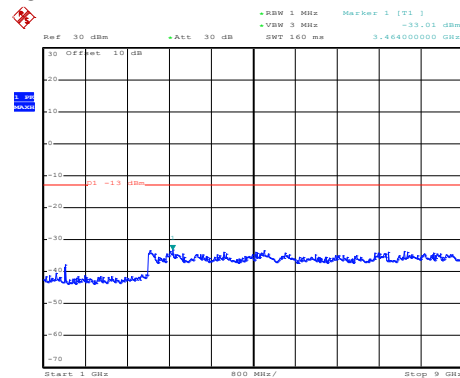
1GHz~25GHz

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



Date: 17.SEP.2019 15:20:34

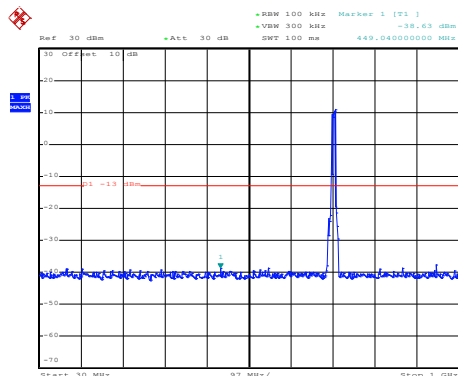
30MHz~1GHz



Date: 17.SEP.2019 15:16:59

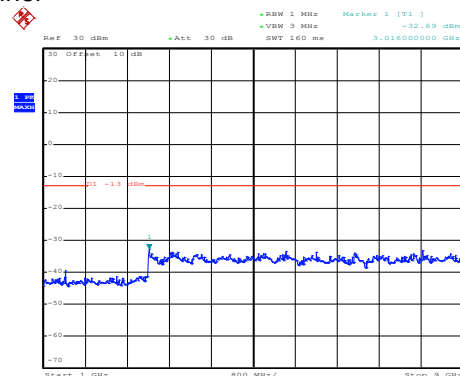
1GHz~25GHz

Middle channel



Date: 17.SEP.2019 15:20:10

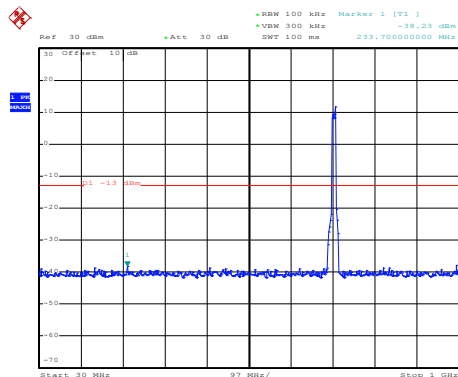
30MHz~1GHz



Date: 17.SEP.2019 15:17:20

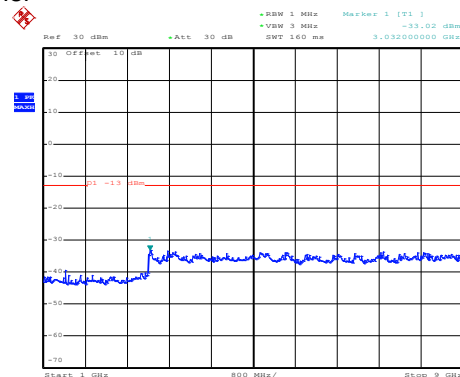
1GHz~25GHz

High channel



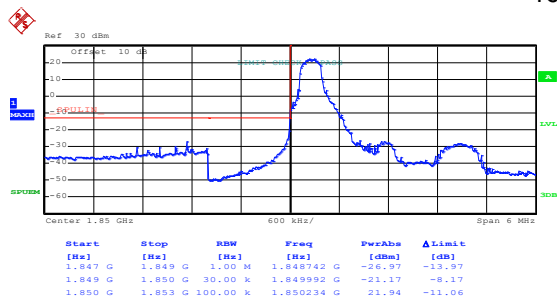
Date: 17.SEP.2019 15:18:50

30MHz~1GHz



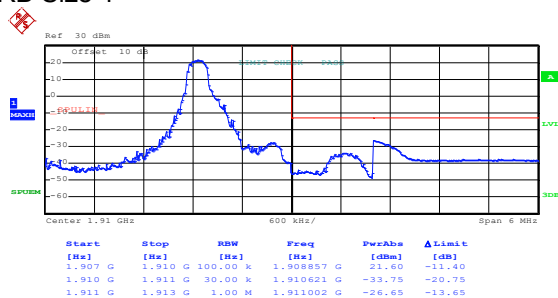
Date: 17.SEP.2019 15:18:09

1GHz~25GHz

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

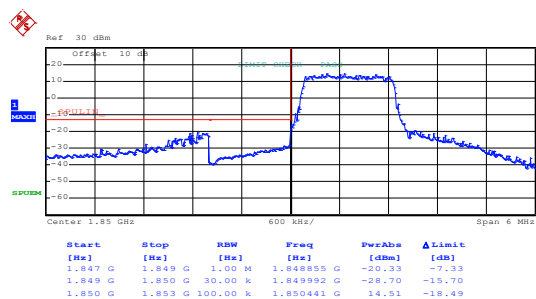
Date: 17.SEP.2019 20:51:12

Lowest channel



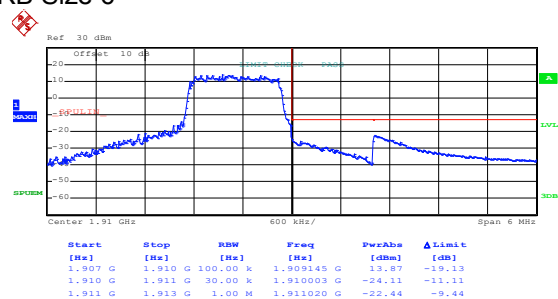
Date: 17.SEP.2019 20:51:57

Highest channel

16QAM & RB Size 6

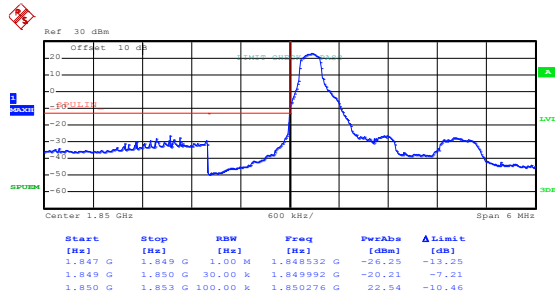
Date: 17.SEP.2019 20:51:24

Lowest channel



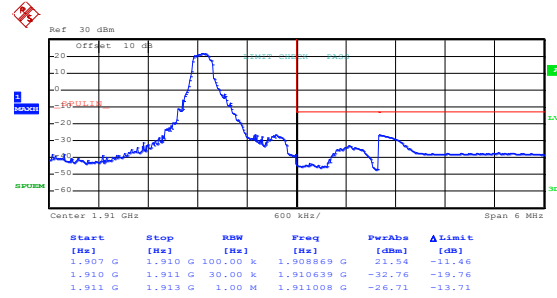
Date: 17.SEP.2019 20:51:46

Highest channel

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

Date: 17.SEP.2019 20:51:08

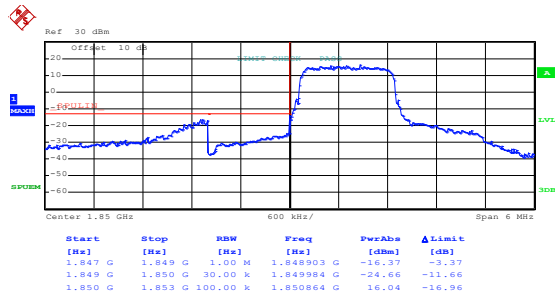
Lowest channel



Date: 17.SEP.2019 20:51:53

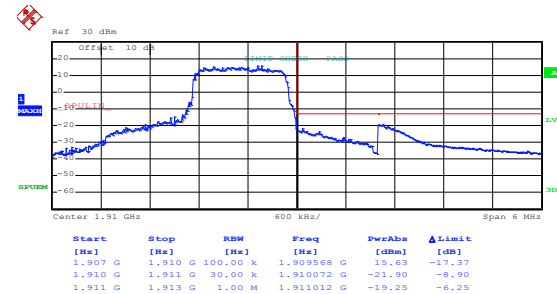
Highest channel

QPSK & RB Size 6



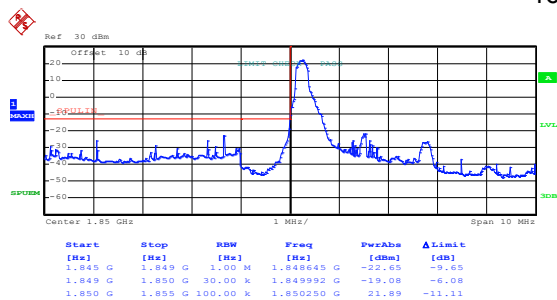
Date: 17.SEP.2019 20:51:20

Lowest channel



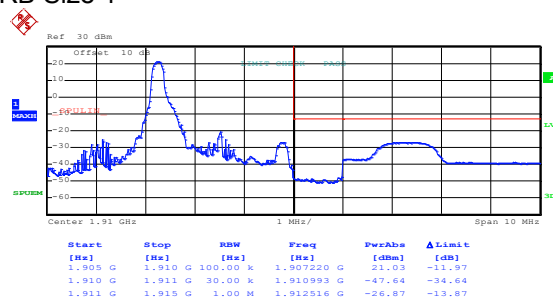
Date: 17.SEP.2019 20:51:41

Highest channel

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

Date: 17.SEP.2019 20:53:49

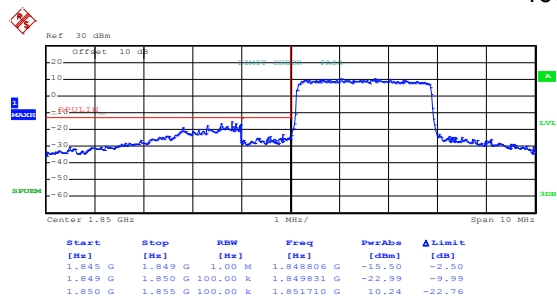
Lowest channel



Date: 17.SEP.2019 20:52:29

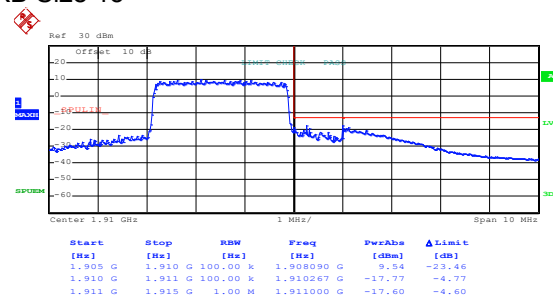
Highest channel

16QAM & RB Size 15



Date: 17.SEP.2019 20:53:30

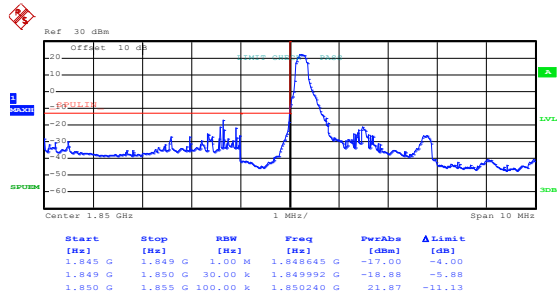
Lowest channel



Date: 17.SEP.2019 20:52:49

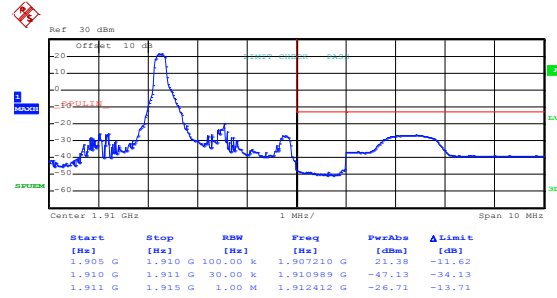
Highest channel

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



Date: 17.SEP.2019 20:53:44

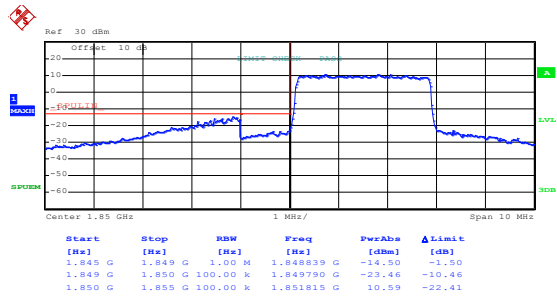
Lowest channel



Date: 17.SEP.2019 20:52:24

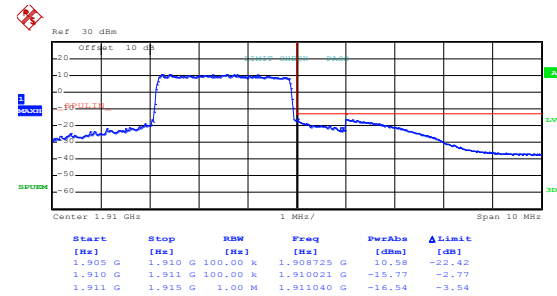
Highest channel

QPSK & RB Size 15



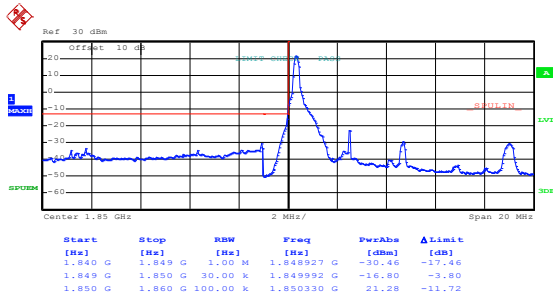
Date: 17.SEP.2019 20:53:26

Lowest channel



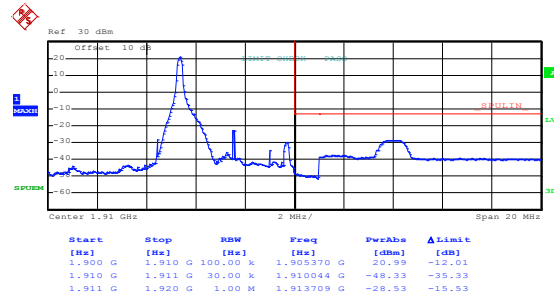
Date: 17.SEP.2019 20:52:44

Highest channel

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

Date: 17.SEP.2019 20:54:23

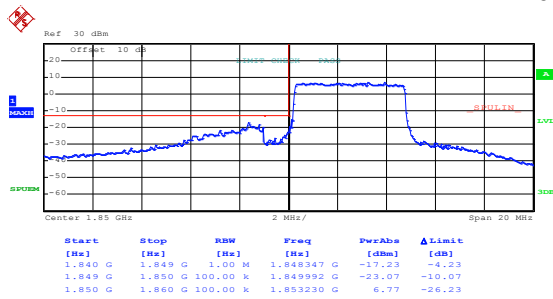
Lowest channel



Date: 17.SEP.2019 20:55:33

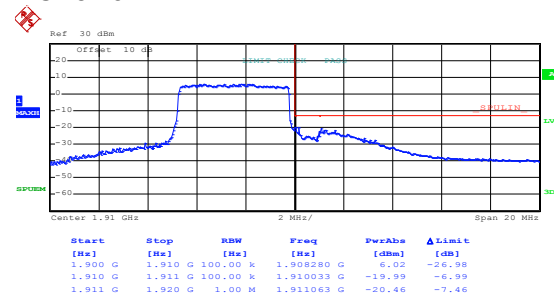
Highest channel

16QAM & RB Size 25



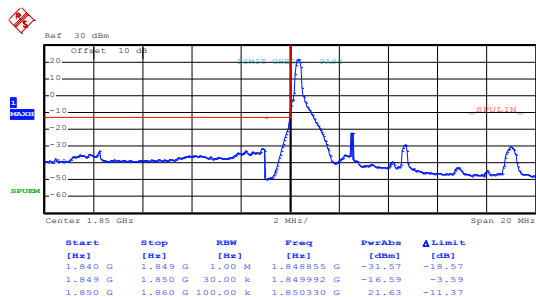
Date: 17.SEP.2019 20:54:39

Lowest channel



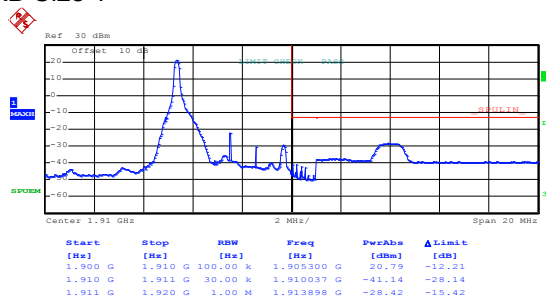
Date: 17.SEP.2019 20:54:55

Highest channel

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

Date: 17.SEP.2019 20:54:19

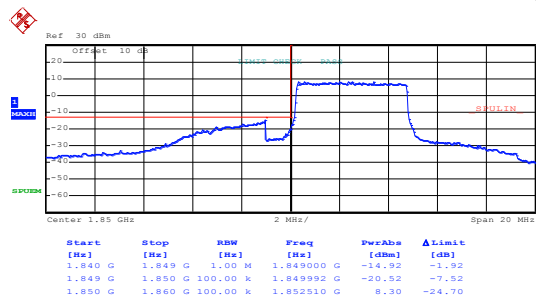
Lowest channel



Date: 17.SEP.2019 20:55:28

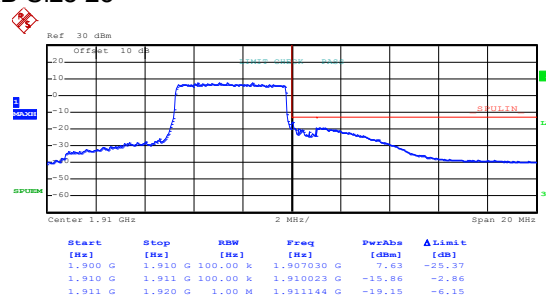
Highest channel

QPSK & RB Size 25



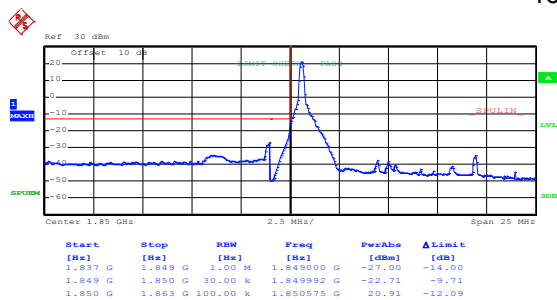
Date: 17.SEP.2019 20:54:35

Lowest channel



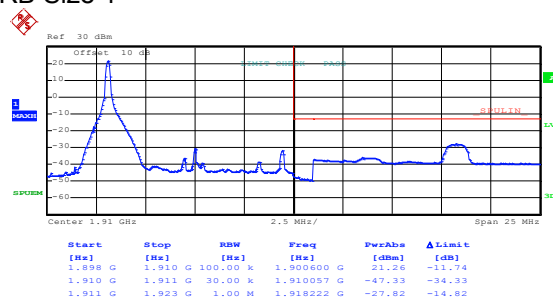
Date: 17.SEP.2019 20:54:51

Highest channel

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

Date: 17.SEP.2019 20:59:18

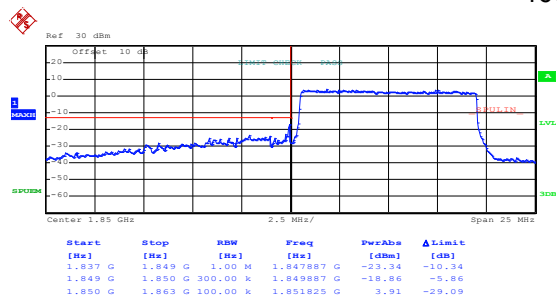
Lowest channel



Date: 17.SEP.2019 20:57:35

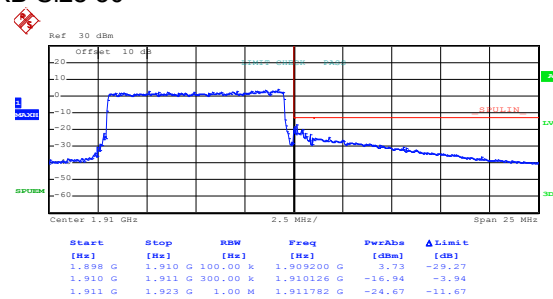
Highest channel

16QAM & RB Size 50



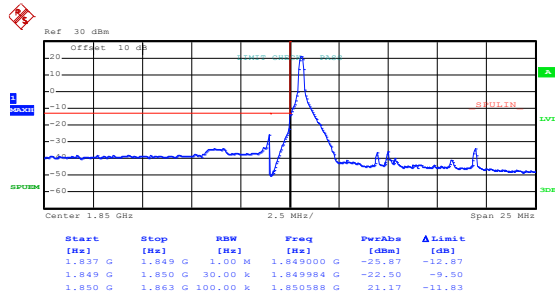
Date: 17.SEP.2019 20:59:00

Lowest channel



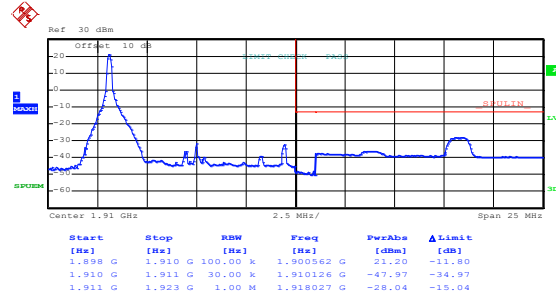
Date: 17.SEP.2019 20:58:17

Highest channel

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

Date: 17.SEP.2019 20:59:13

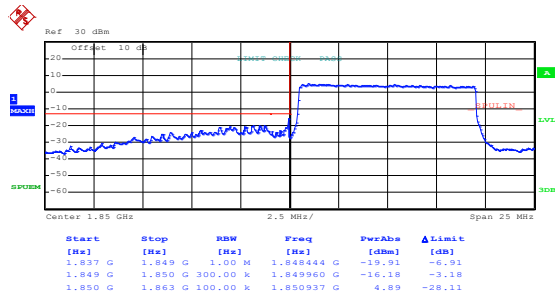
Lowest channel



Date: 17.SEP.2019 20:57:40

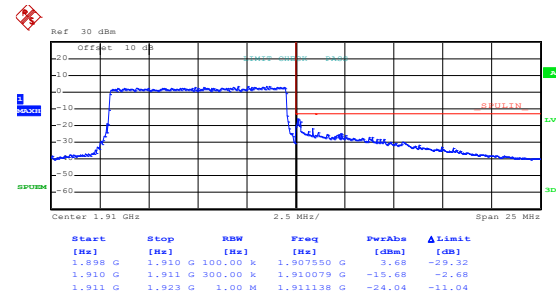
Highest channel

QPSK & RB Size 50



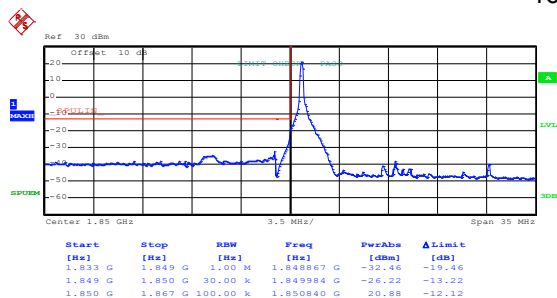
Date: 17.SEP.2019 20:58:56

Lowest channel



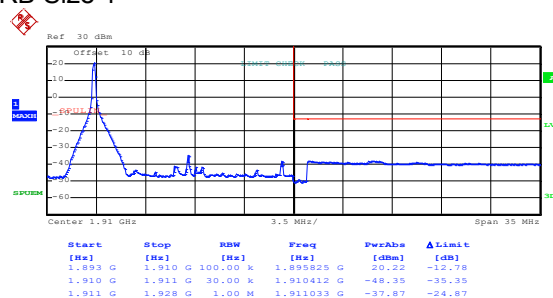
Date: 17.SEP.2019 20:58:11

Highest channel

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

Date: 17.SEP.2019 20:59:46

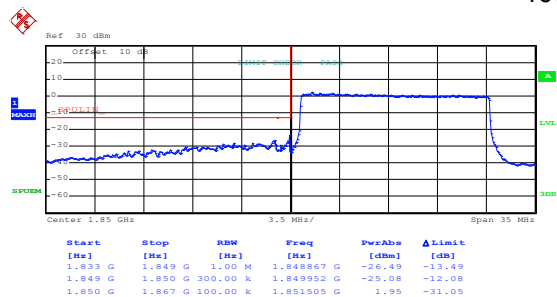
Lowest channel



Date: 17.SEP.2019 21:00:52

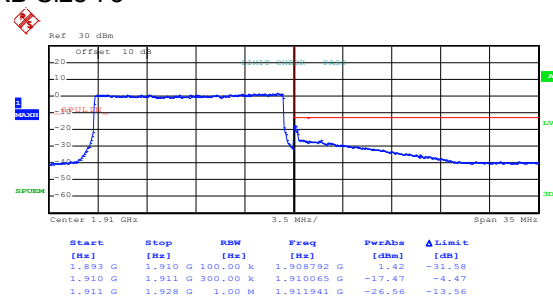
Highest channel

16QAM & RB Size 75



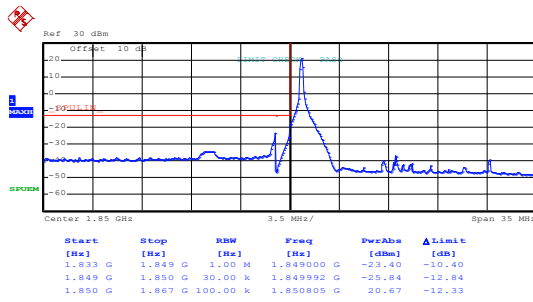
Date: 17.SEP.2019 21:00:04

Lowest channel



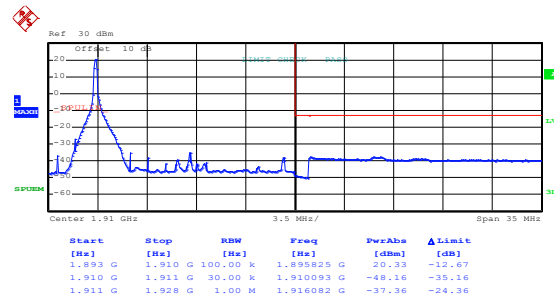
Date: 17.SEP.2019 21:00:28

Highest channel

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

Date: 17.SEP.2019 20:59:42

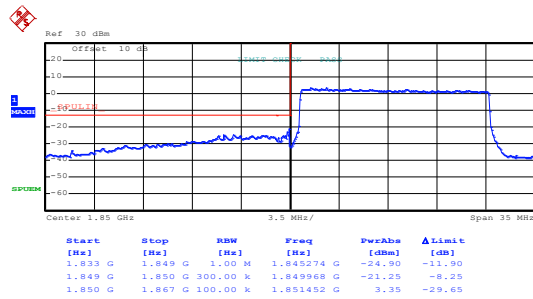
Lowest channel



Date: 17.SEP.2019 21:00:47

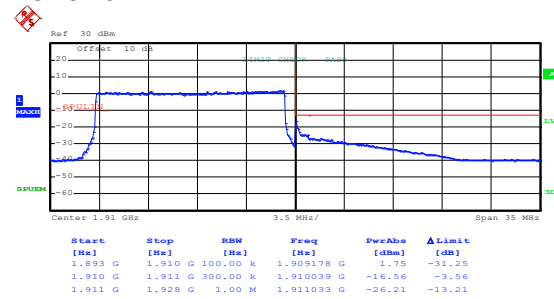
Highest channel

QPSK & RB Size 75



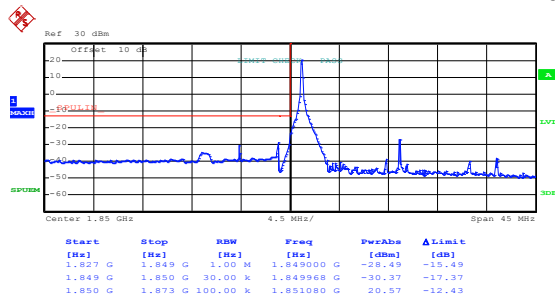
Date: 17.SEP.2019 20:59:59

Lowest channel



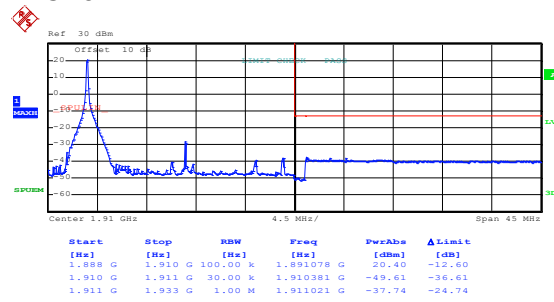
Date: 17.SEP.2019 21:00:35

Highest channel

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

Date: 17.SEP.2019 21:02:14

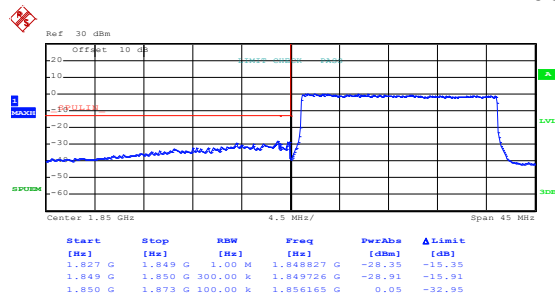
Lowest channel



Date: 17.SEP.2019 21:01:19

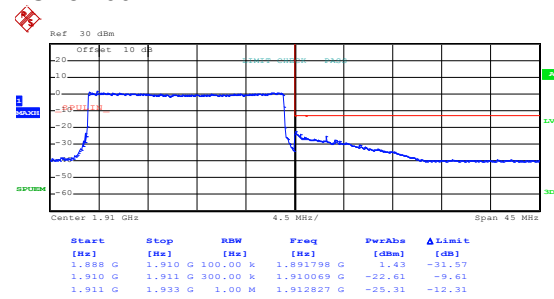
Highest channel

16QAM & RB Size 100



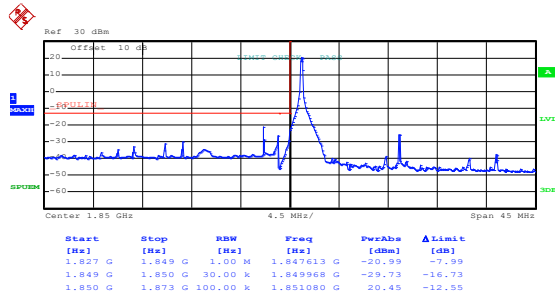
Date: 17.SEP.2019 21:01:55

Lowest channel



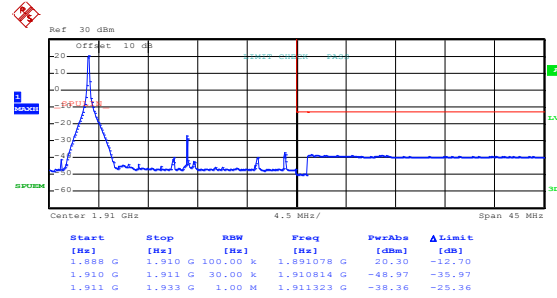
Date: 17.SEP.2019 21:01:37

Highest channel

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

Date: 17.SEP.2019 21:02:10

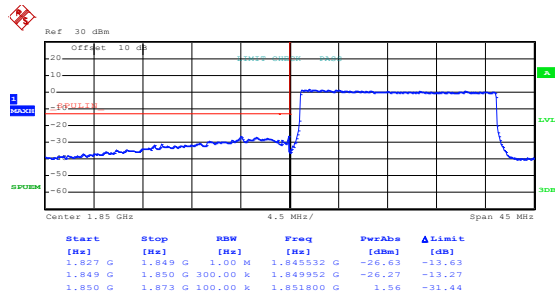
Lowest channel



Date: 17.SEP.2019 21:01:15

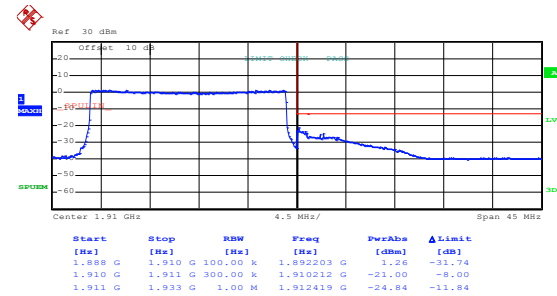
Highest channel

QPSK & RB Size 100



Date: 17.SEP.2019 21:01:50

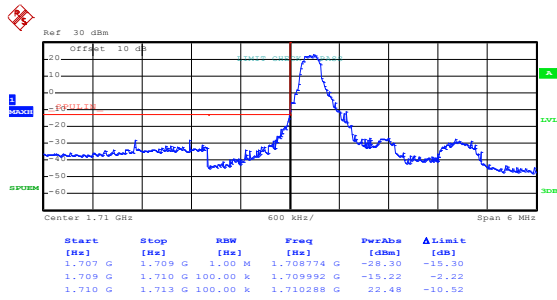
Lowest channel



Date: 17.SEP.2019 21:01:33

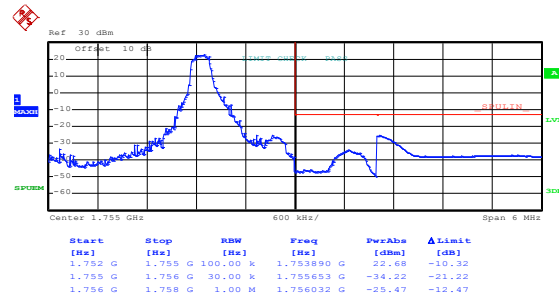
Highest channel

LTE Band 4 part:

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

Date: 17.SEP.2019 20:46:04

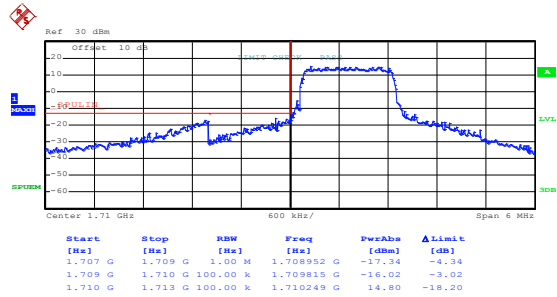
Lowest channel



Date: 17.SEP.2019 20:43:52

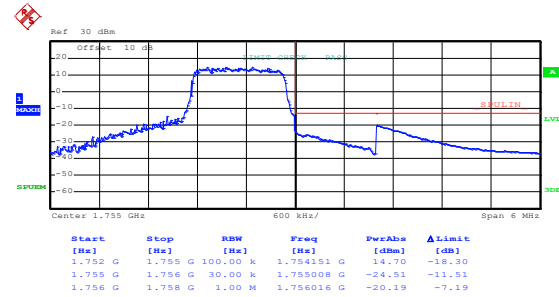
Highest channel

16QAM & RB Size 6



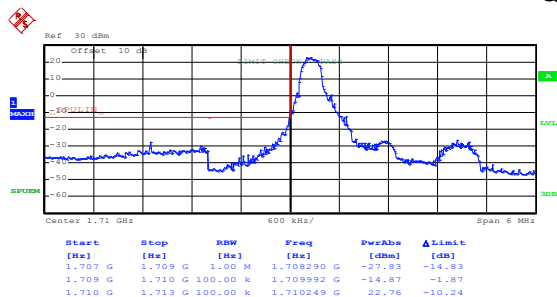
Date: 17.SEP.2019 20:44:37

Lowest channel



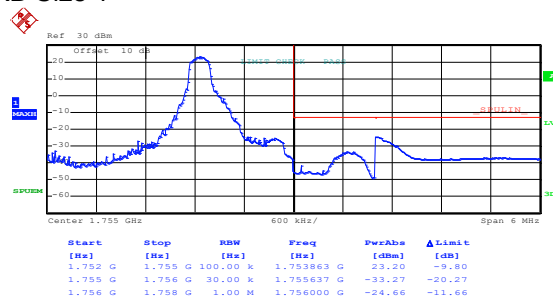
Date: 17.SEP.2019 20:44:09

Highest channel

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

Date: 17.SEP.2019 20:45:59

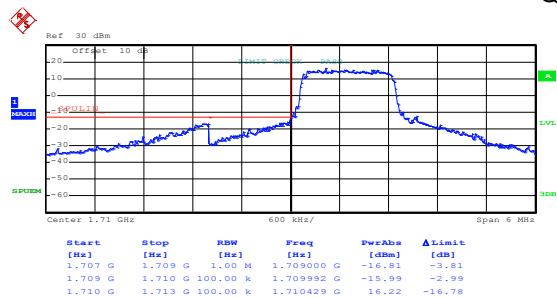
Lowest channel



Date: 17.SEP.2019 20:43:48

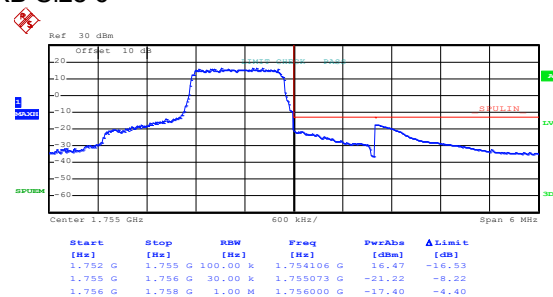
Highest channel

QPSK & RB Size 6



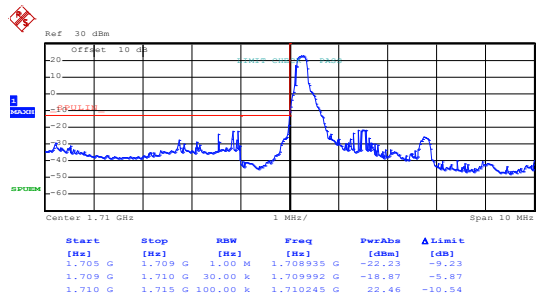
Date: 17.SEP.2019 20:44:32

Lowest channel



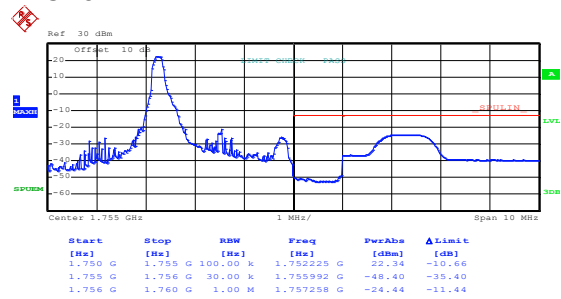
Date: 17.SEP.2019 20:44:05

Highest channel

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

Date: 17.SEP.2019 20:42:19

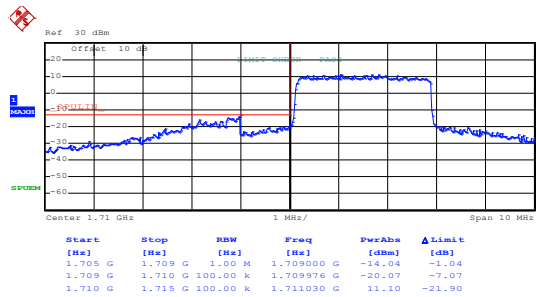
Lowest channel



Date: 17.SEP.2019 20:43:24

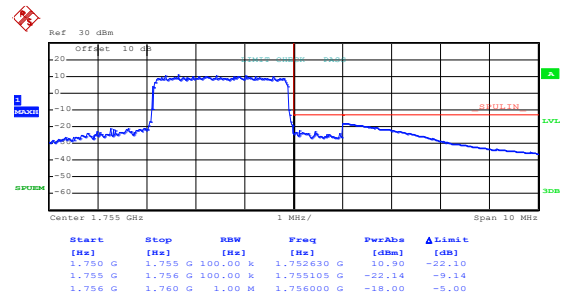
Highest channel

16QAM & RB Size 15



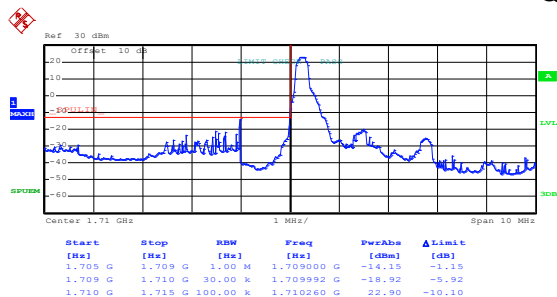
Date: 17.SEP.2019 20:42:40

Lowest channel



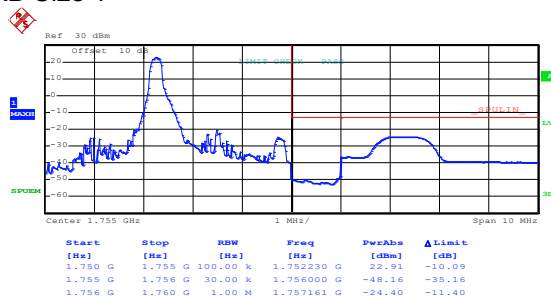
Date: 17.SEP.2019 20:43:03

Highest channel

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

Date: 17.SEP.2019 20:42:14

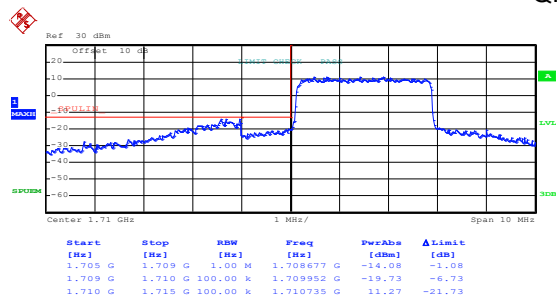
Lowest channel



Date: 17.SEP.2019 20:43:20

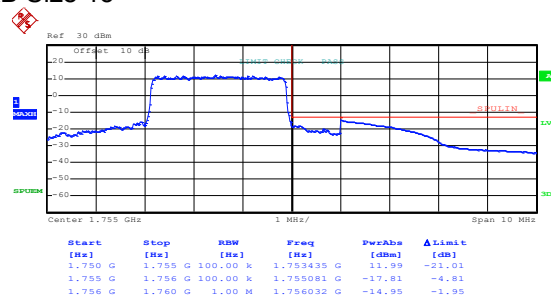
Highest channel

QPSK & RB Size 15



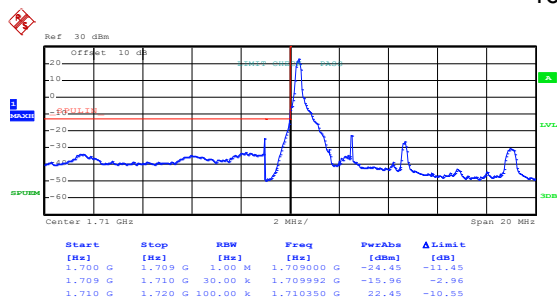
Date: 17.SEP.2019 20:42:34

Lowest channel



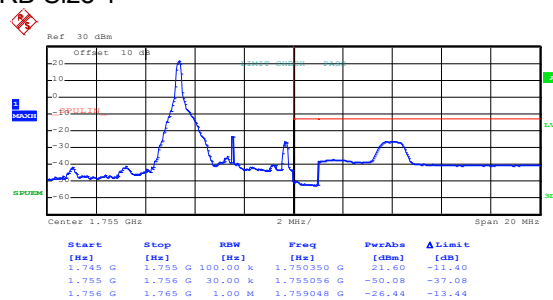
Date: 17.SEP.2019 20:42:58

Highest channel

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

Date: 17.SEP.2019 20:41:29

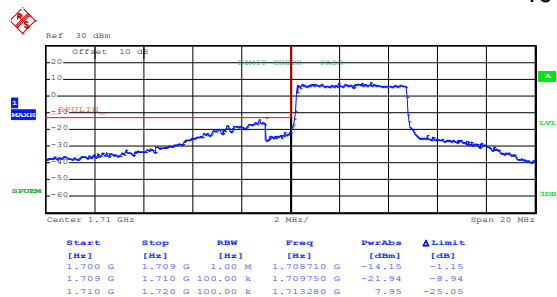
Lowest channel



Date: 17.SEP.2019 20:39:50

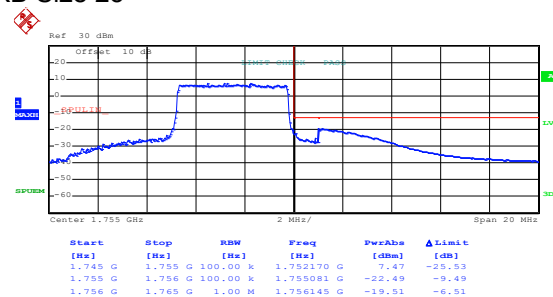
Highest channel

16QAM & RB Size 25



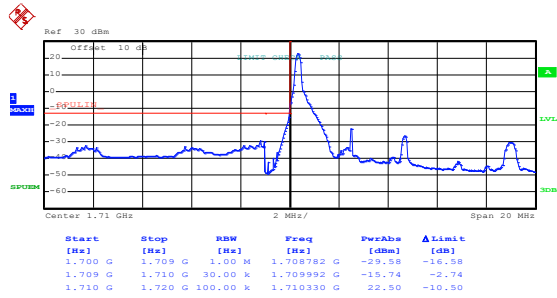
Date: 17.SEP.2019 20:41:13

Lowest channel



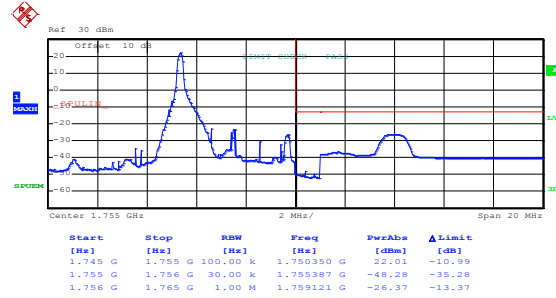
Date: 17.SEP.2019 20:40:13

Highest channel

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

Date: 17.SEP.2019 20:41:26

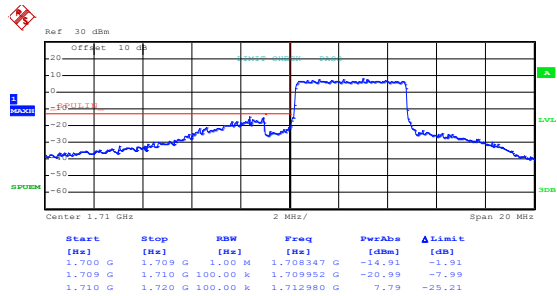
Lowest channel



Date: 17.SEP.2019 20:39:46

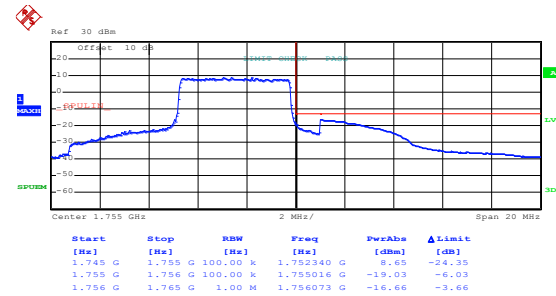
Highest channel

QPSK & RB Size 25



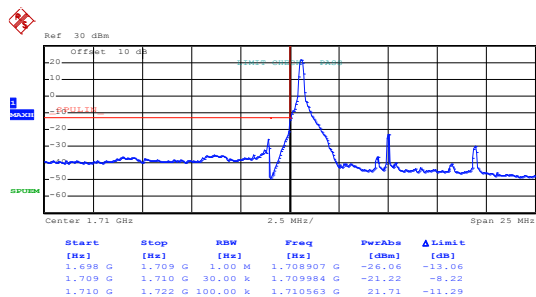
Date: 17.SEP.2019 20:41:08

Lowest channel



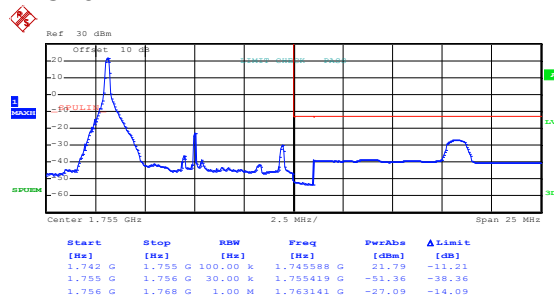
Date: 17.SEP.2019 20:40:08

Highest channel

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

Date: 17.SEP.2019 20:38:13

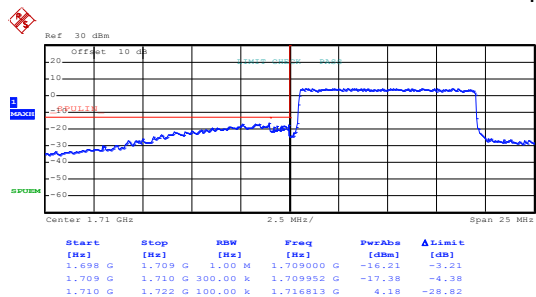
Lowest channel



Date: 17.SEP.2019 20:39:15

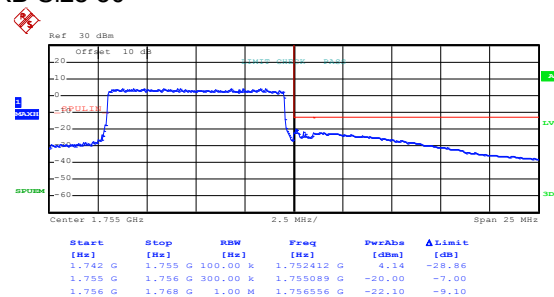
Highest channel

16QAM & RB Size 50



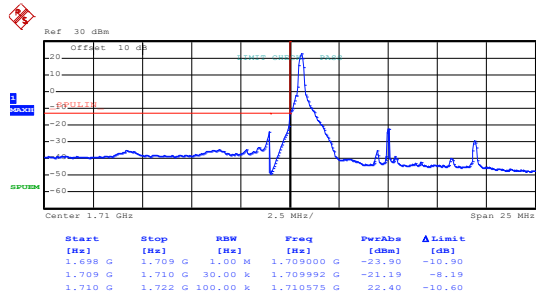
Date: 17.SEP.2019 20:38:38

Lowest channel



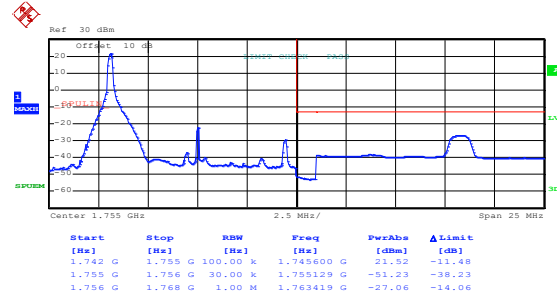
Date: 17.SEP.2019 20:38:59

Highest channel

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

Date: 17.SEP.2019 20:38:08

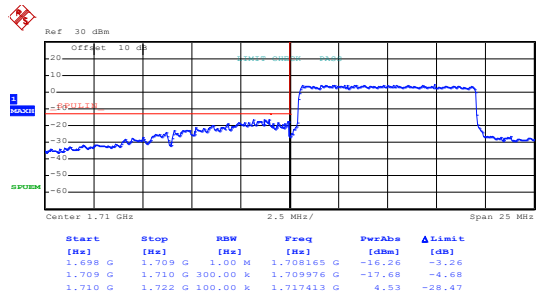
Lowest channel



Date: 17.SEP.2019 20:39:11

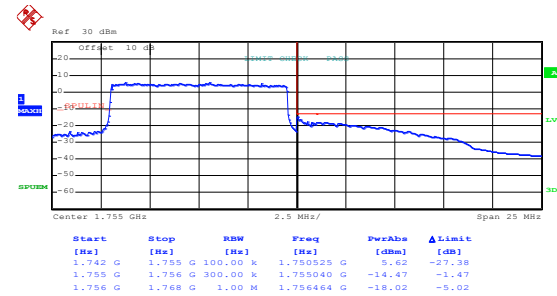
Highest channel

QPSK & RB Size 50



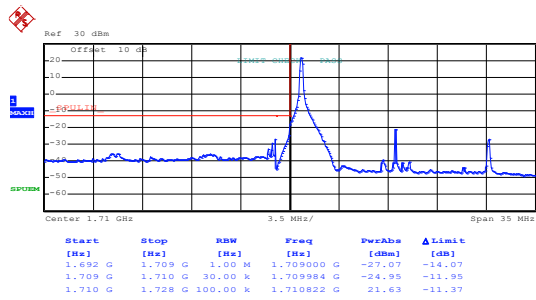
Date: 17.SEP.2019 20:38:34

Lowest channel



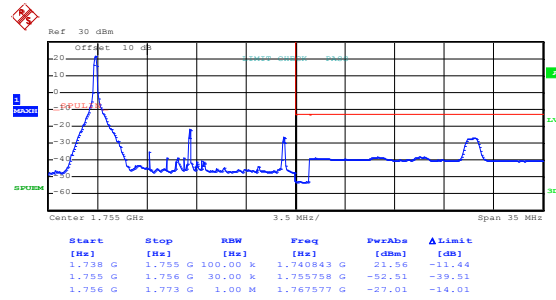
Date: 17.SEP.2019 20:38:54

Highest channel

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

Date: 17.SEP.2019 20:37:44

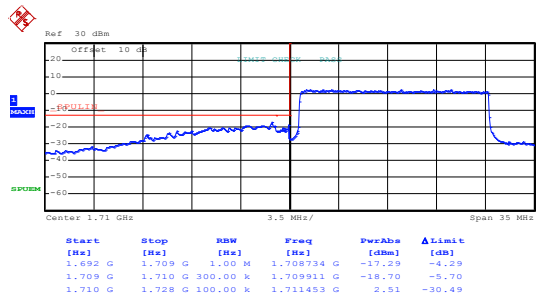
Lowest channel



Date: 17.SEP.2019 20:36:42

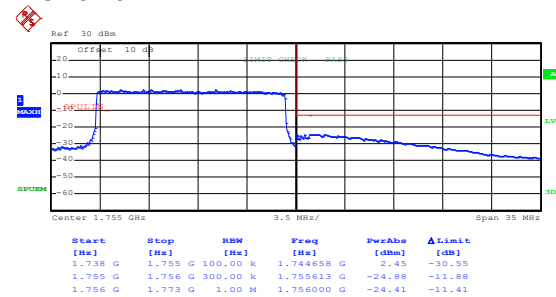
Highest channel

16QAM & RB Size 75



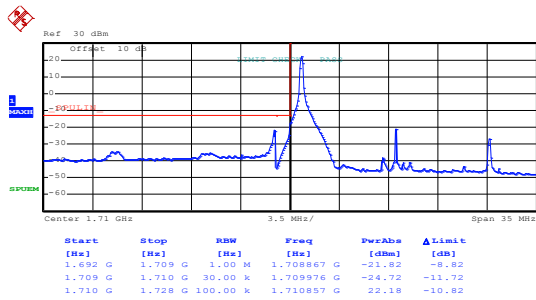
Date: 17.SEP.2019 20:37:21

Lowest channel



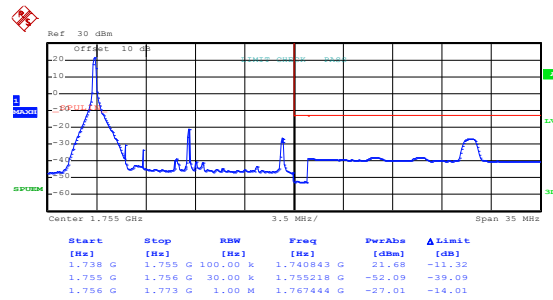
Date: 17.SEP.2019 20:37:01

Highest channel

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

Date: 17.SEP.2019 20:37:40

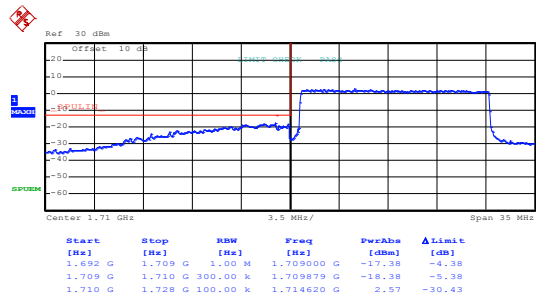
Lowest channel



Date: 17.SEP.2019 20:36:37

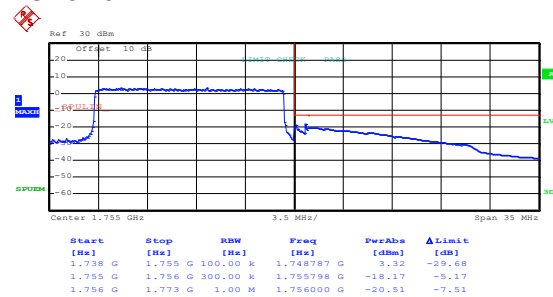
Highest channel

QPSK & RB Size 75



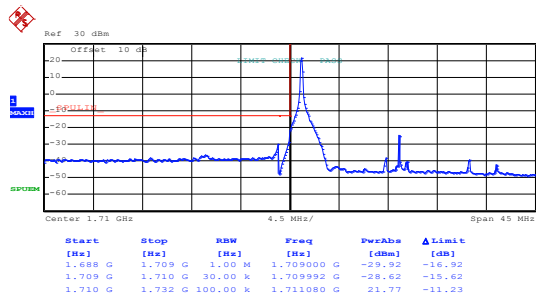
Date: 17.SEP.2019 20:37:27

Lowest channel



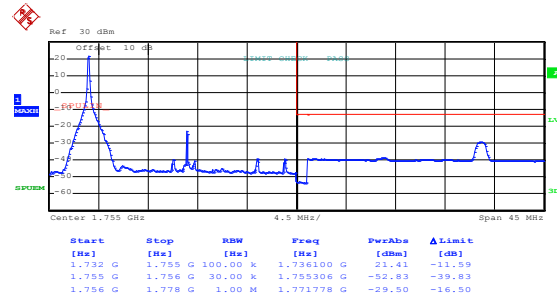
Date: 17.SEP.2019 20:36:57

Highest channel

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

Date: 17.SEP.2019 20:35:03

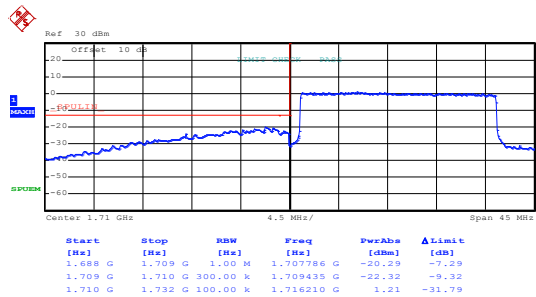
Lowest channel



Date: 17.SEP.2019 20:36:08

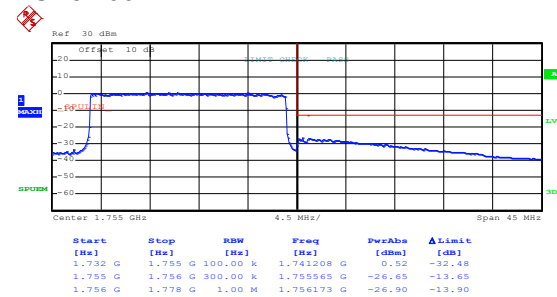
Highest channel

16QAM & RB Size 100



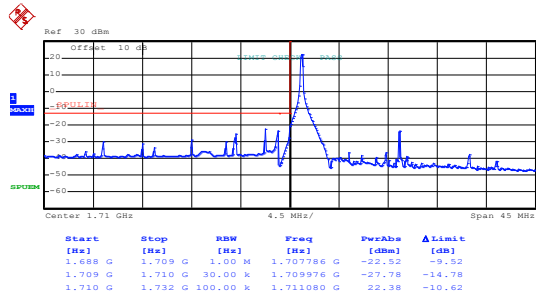
Date: 17.SEP.2019 20:35:21

Lowest channel



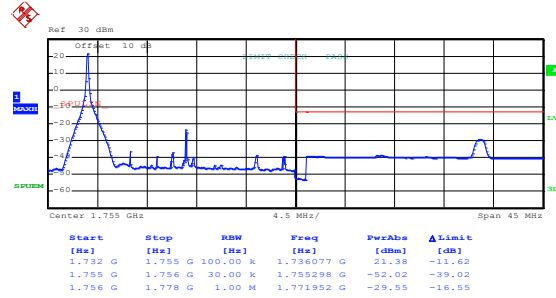
Date: 17.SEP.2019 20:35:43

Highest channel

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

Date: 17.SEP.2019 20:34:56

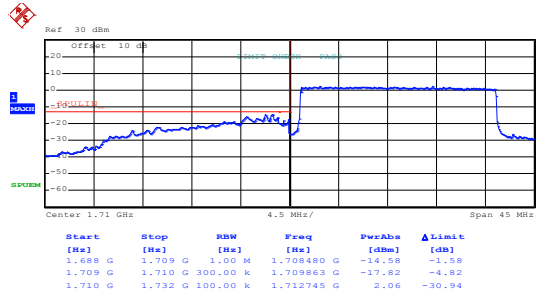
Lowest channel



Date: 17.SEP.2019 20:36:03

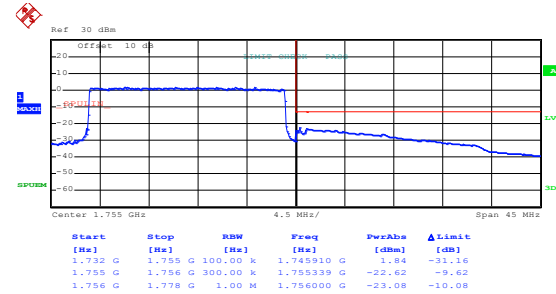
Highest channel

QPSK & RB Size 100



Date: 17.SEP.2019 20:35:16

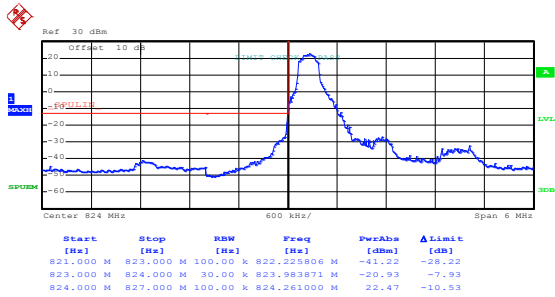
Lowest channel



Date: 17.SEP.2019 20:35:38

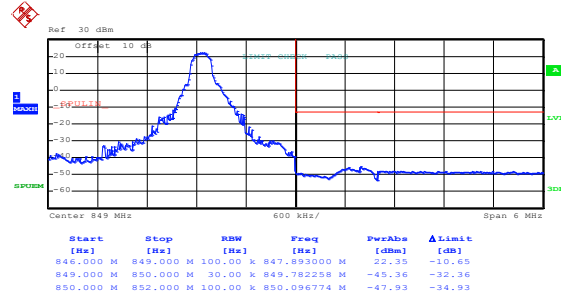
Highest channel

LTE Band 5 part:

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

Date: 18.SEP.2019 08:17:43

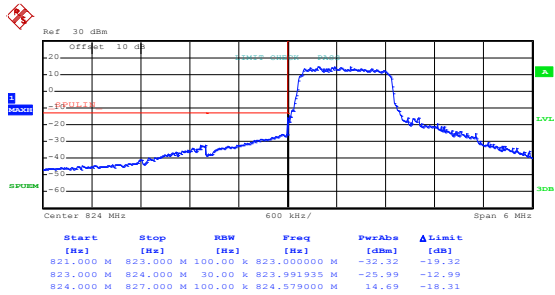
Lowest channel



Date: 18.SEP.2019 08:18:34

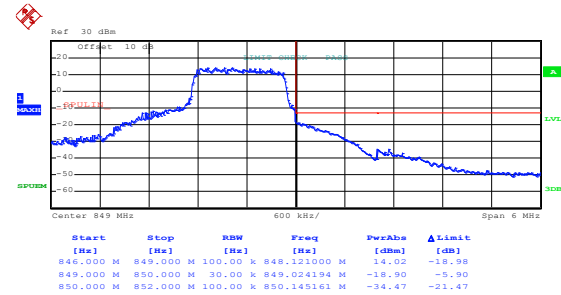
Highest channel

16QAM & RB Size 6



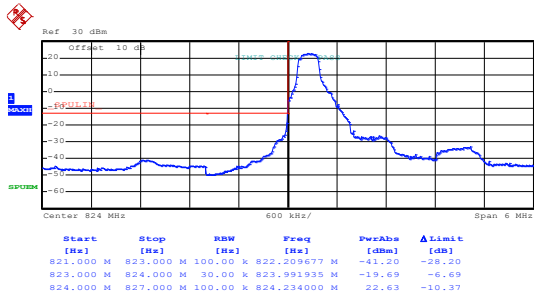
Date: 18.SEP.2019 08:18:01

Lowest channel



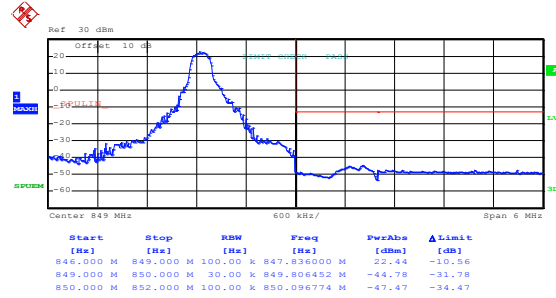
Date: 18.SEP.2019 08:18:19

Highest channel

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

Date: 18.SEP.2019 08:17:38

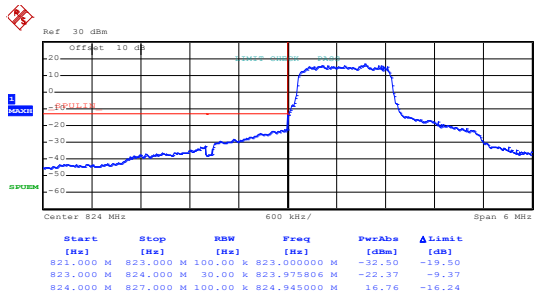
Lowest channel



Date: 18.SEP.2019 08:18:27

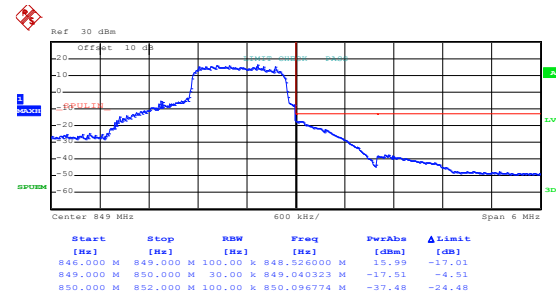
Highest channel

QPSK & RB Size 6



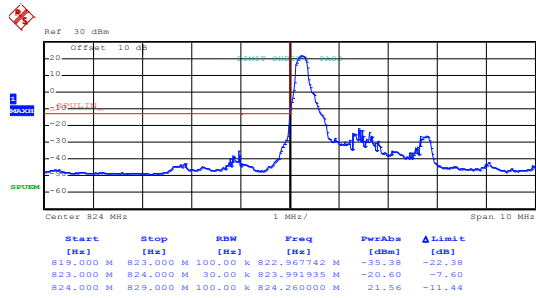
Date: 18.SEP.2019 08:17:54

Lowest channel



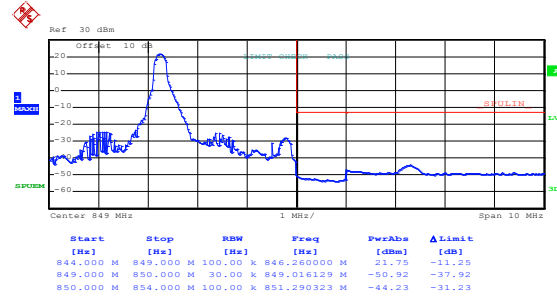
Date: 18.SEP.2019 08:18:14

Highest channel

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

Date: 18.SEP.2019 08:20:29

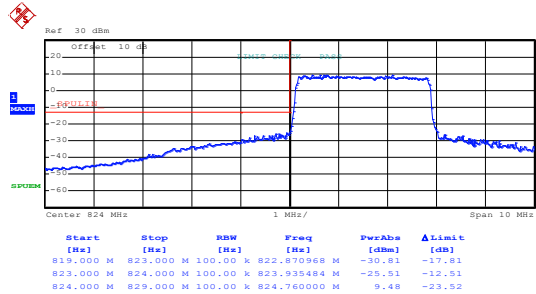
Lowest channel



Date: 18.SEP.2019 08:19:11

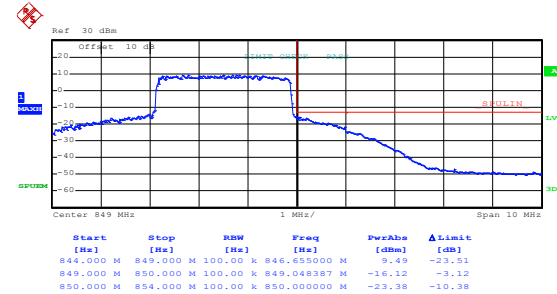
Highest channel

16QAM & RB Size 15



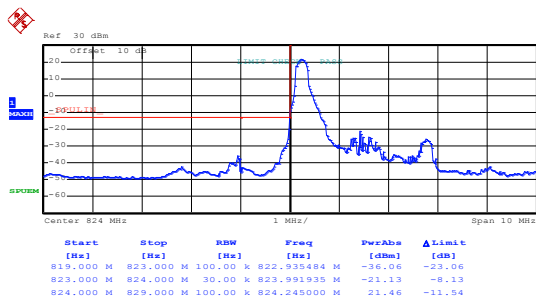
Date: 18.SEP.2019 08:20:07

Lowest channel



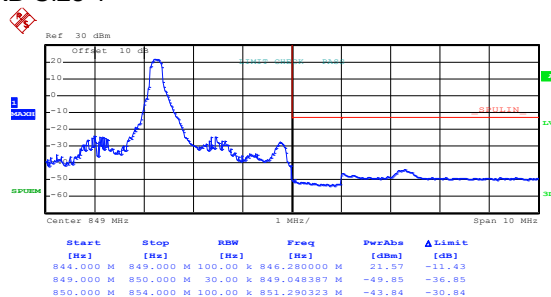
Date: 18.SEP.2019 08:19:37

Highest channel

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

Date: 18.SEP.2019 08:20:21

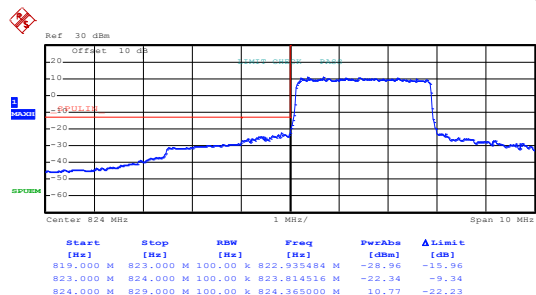
Lowest channel



Date: 18.SEP.2019 08:19:04

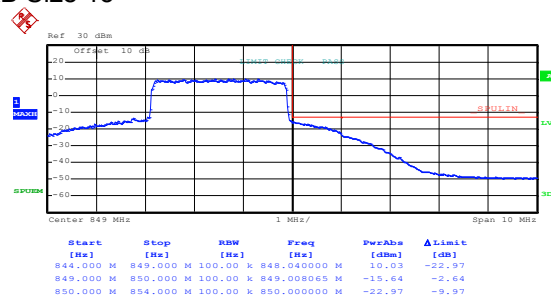
Highest channel

QPSK & RB Size 15



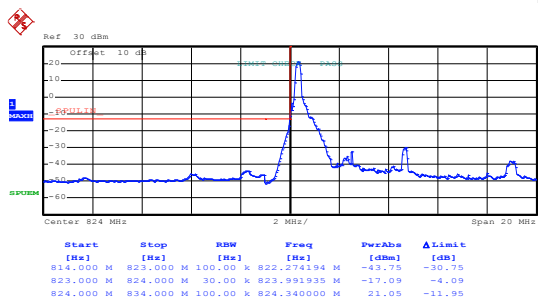
Date: 18.SEP.2019 08:20:02

Lowest channel



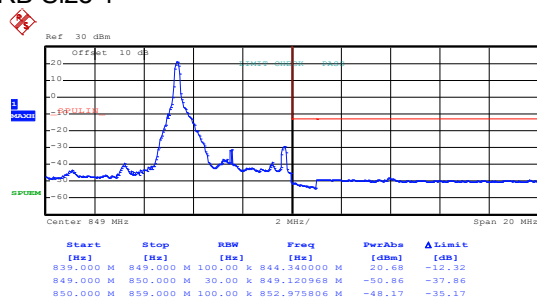
Date: 18.SEP.2019 08:19:33

Highest channel

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

Date: 18.SEP.2019 08:20:58

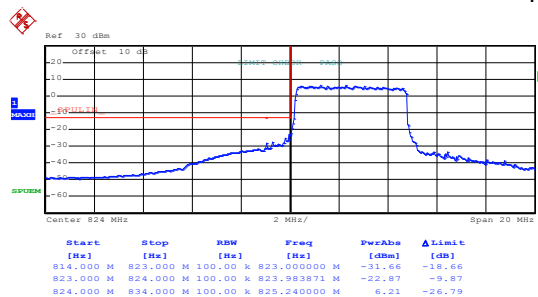
Lowest channel



Date: 18.SEP.2019 08:21:57

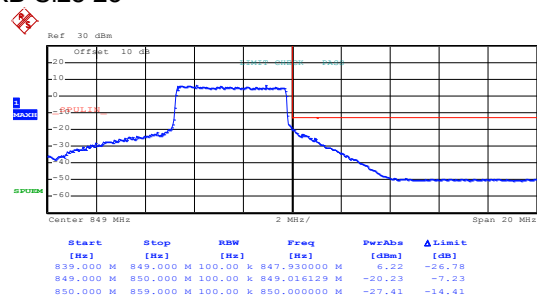
Highest channel

16QAM & RB Size 25



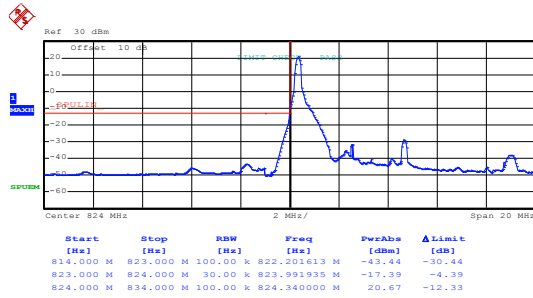
Date: 18.SEP.2019 08:21:16

Lowest channel



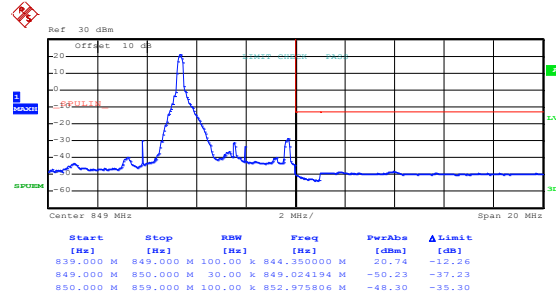
Date: 18.SEP.2019 08:21:39

Highest channel

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

Date: 18.SEP.2019 08:20:53

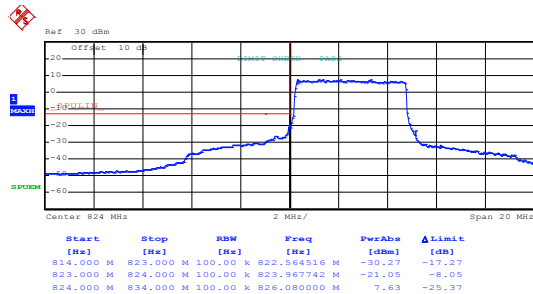
Lowest channel



Date: 18.SEP.2019 08:21:52

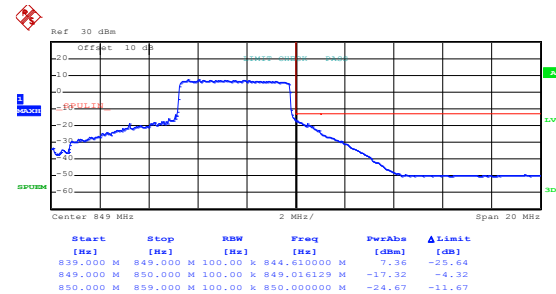
Highest channel

QPSK & RB Size 25



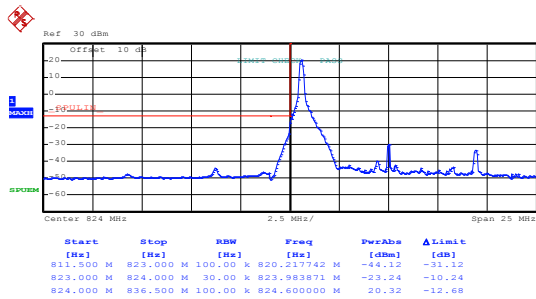
Date: 18.SEP.2019 08:21:11

Lowest channel



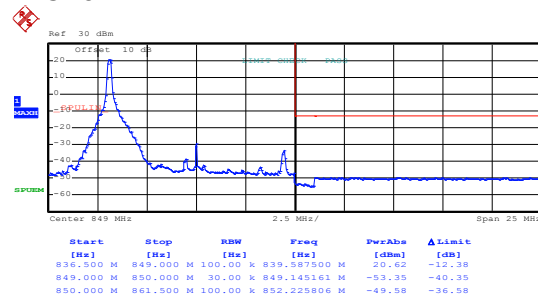
Date: 18.SEP.2019 08:21:33

Highest channel

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

Date: 18.SEP.2019 08:23:19

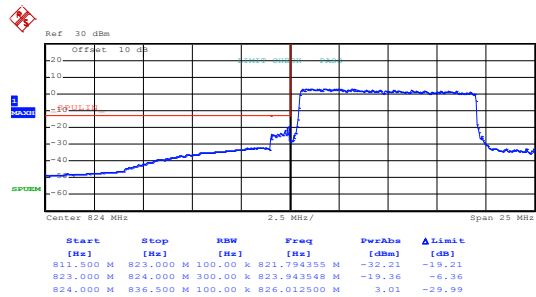
Lowest channel



Date: 18.SEP.2019 08:22:22

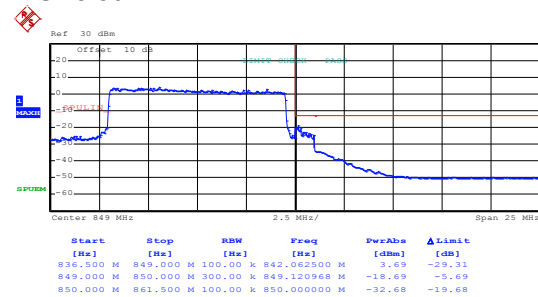
Highest channel

16QAM & RB Size 50



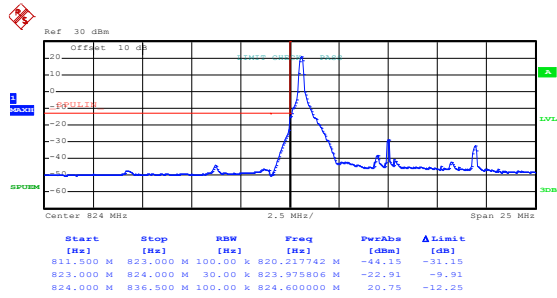
Date: 18.SEP.2019 08:23:02

Lowest channel



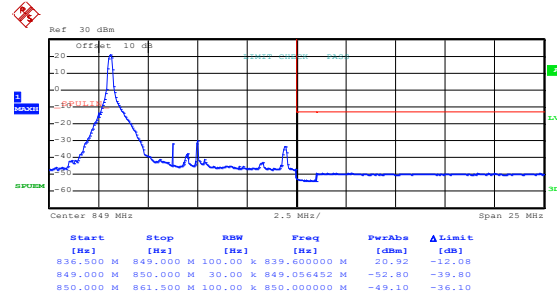
Date: 18.SEP.2019 08:22:40

Highest channel

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

Date: 18.SEP.2019 08:23:15

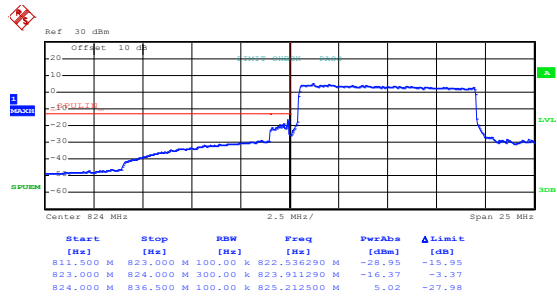
Lowest channel



Date: 18.SEP.2019 08:22:18

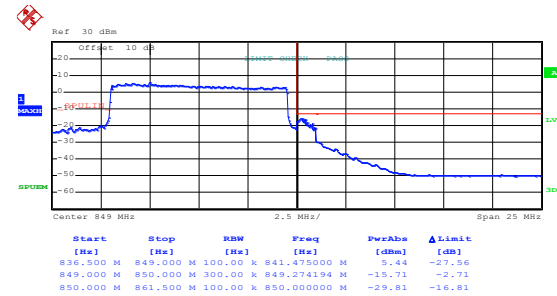
Highest channel

QPSK & RB Size 50



Date: 18.SEP.2019 08:22:58

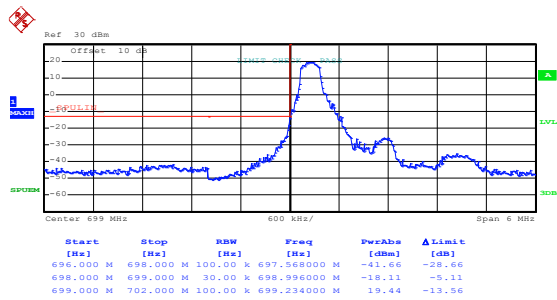
Lowest channel



Date: 18.SEP.2019 08:22:35

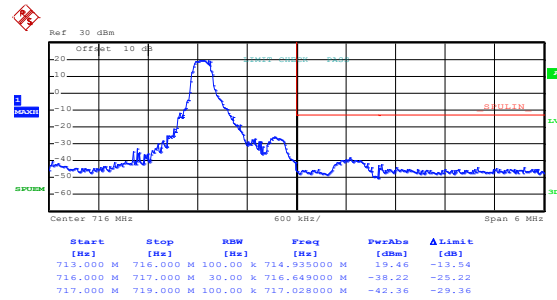
Highest channel

LTE band 12 part:

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

Date: 18.SEP.2019 08:24:18

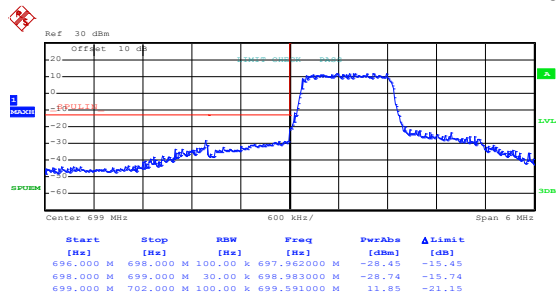
Lowest channel



Date: 18.SEP.2019 08:25:02

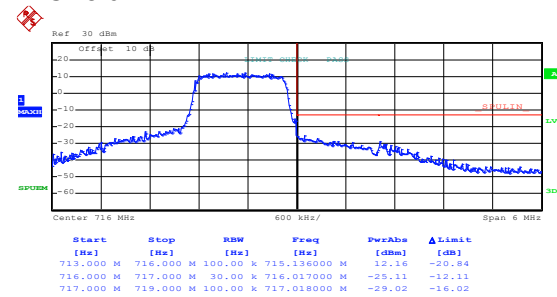
Highest channel

16QAM & RB Size 6



Date: 18.SEP.2019 08:24:31

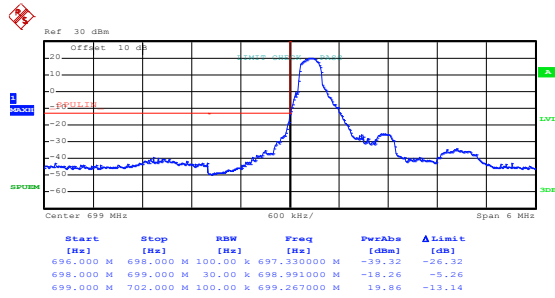
Lowest channel



Date: 18.SEP.2019 08:24:50

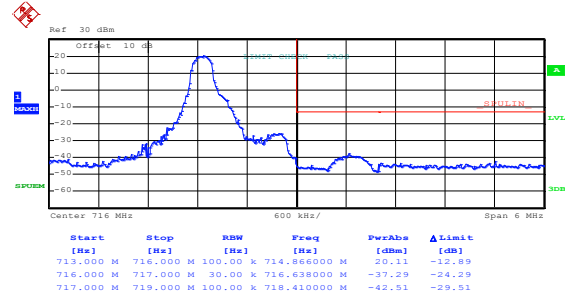
Highest channel

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



Date: 18.SEP.2019 08:24:13

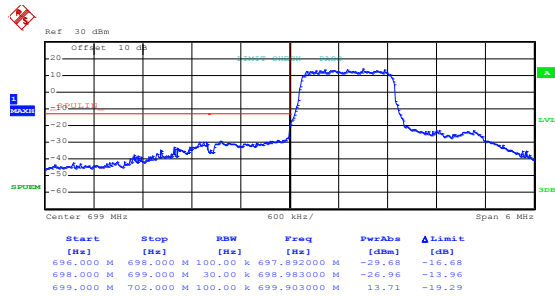
Lowest channel



Date: 18.SEP.2019 08:24:58

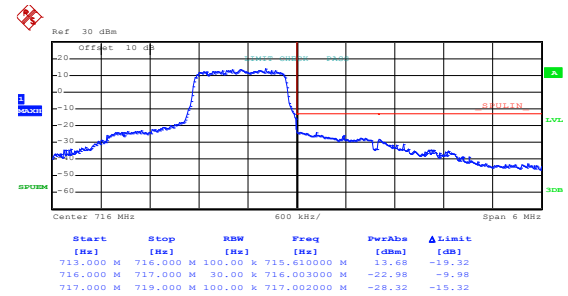
Highest channel

QPSK & RB Size 6



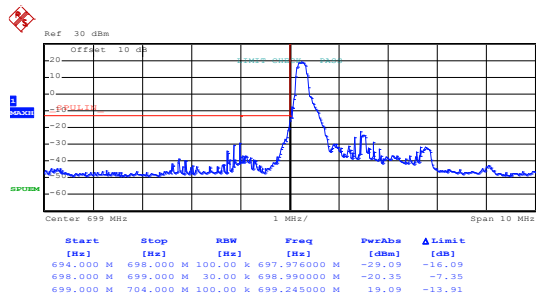
Date: 18.SEP.2019 08:24:26

Lowest channel



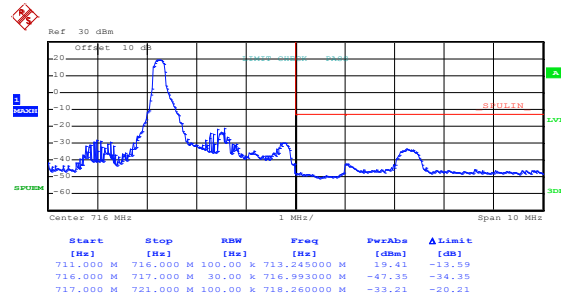
Date: 18.SEP.2019 08:24:46

Highest channel

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

Date: 18.SEP.2019 08:26:35

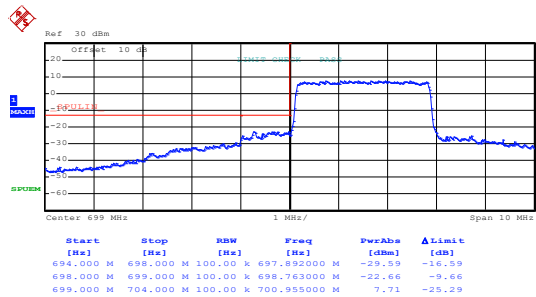
Lowest channel



Date: 18.SEP.2019 08:25:33

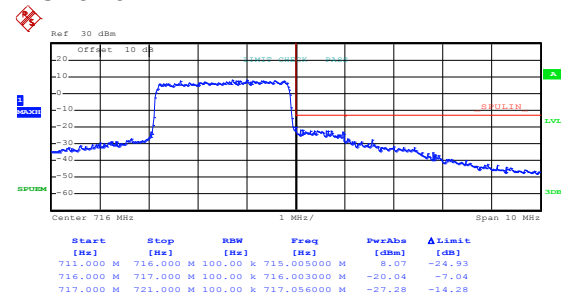
Highest channel

16QAM & RB Size 15



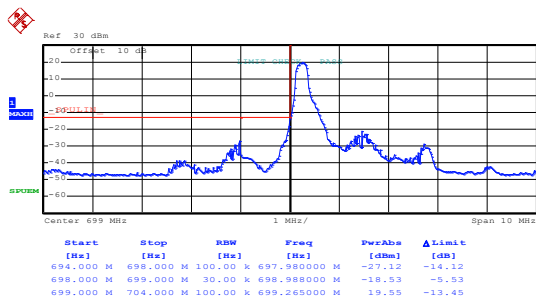
Date: 18.SEP.2019 08:26:53

Lowest channel



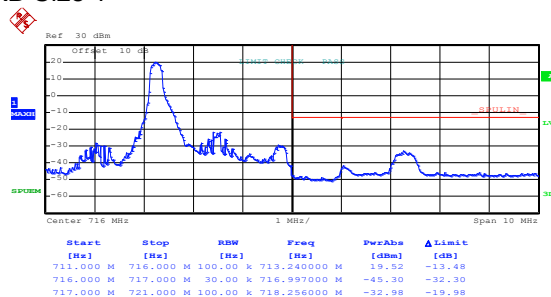
Date: 18.SEP.2019 08:25:50

Highest channel

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

Date: 18.SEP.2019 08:26:31

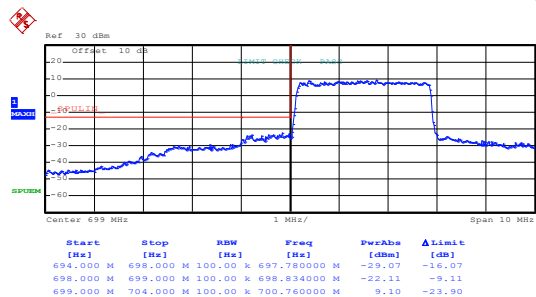
Lowest channel



Date: 18.SEP.2019 08:25:25

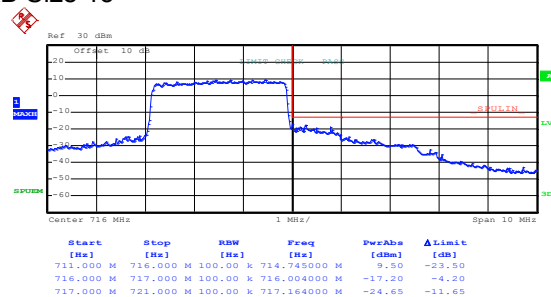
Highest channel

QPSK & RB Size 15



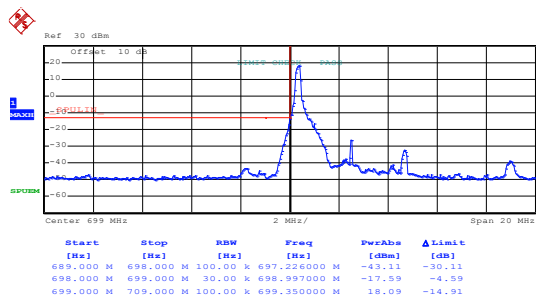
Date: 18.SEP.2019 08:26:09

Lowest channel



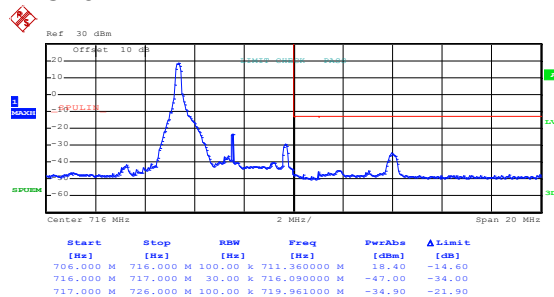
Date: 18.SEP.2019 08:25:45

Highest channel

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

Date: 18.SEP.2019 08:27:28

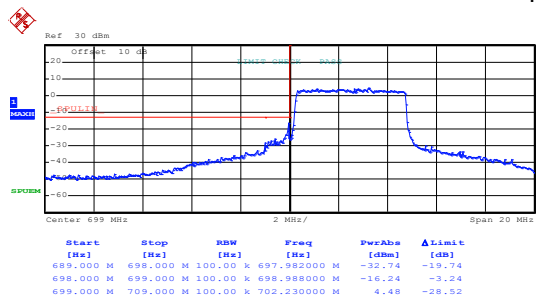
Lowest channel



Date: 18.SEP.2019 08:28:40

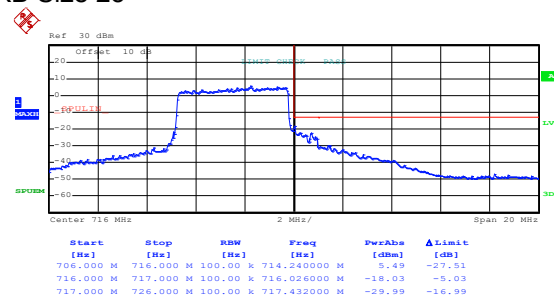
Highest channel

16QAM & RB Size 25



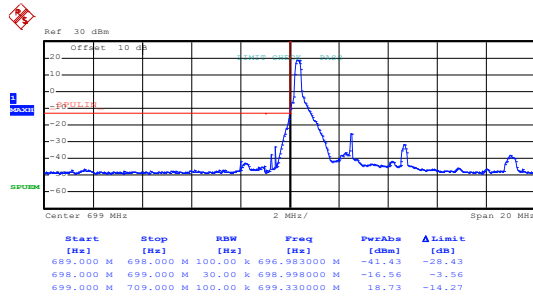
Date: 18.SEP.2019 08:27:46

Lowest channel



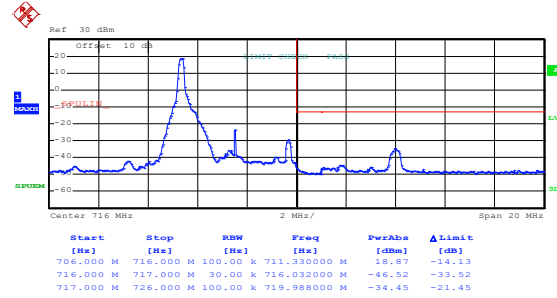
Date: 18.SEP.2019 08:28:04

Highest channel

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

Date: 18.SEP.2019 08:27:24

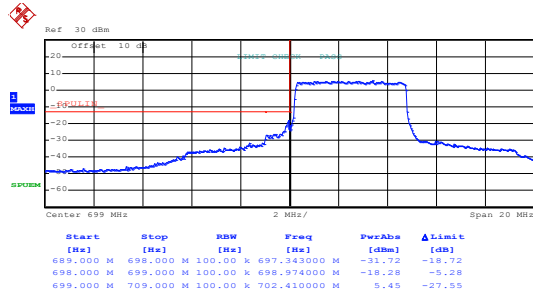
Lowest channel



Date: 18.SEP.2019 08:28:35

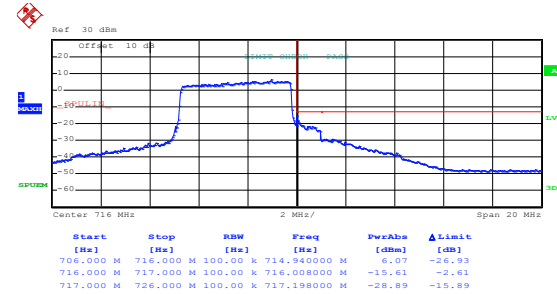
Highest channel

QPSK & RB Size 25



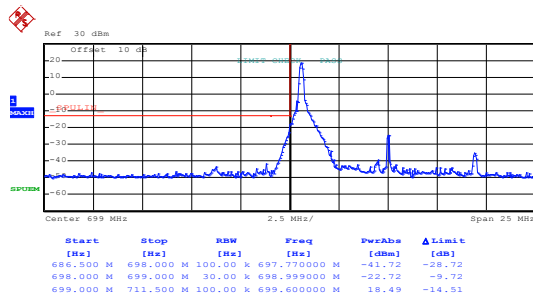
Date: 18.SEP.2019 08:27:41

Lowest channel



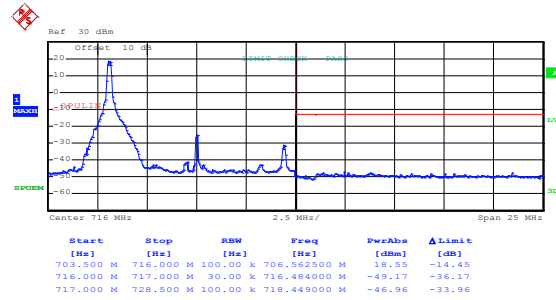
Date: 18.SEP.2019 08:28:18

Highest channel

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

Date: 18.SEP.2019 08:30:32

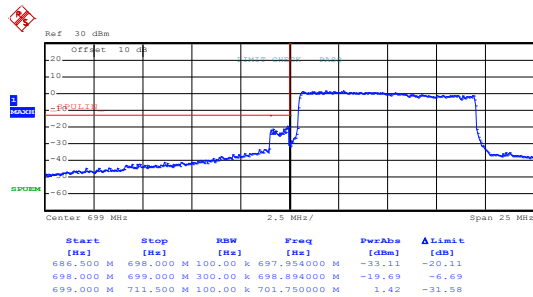
Lowest channel



Date: 18.SEP.2019 08:29:06

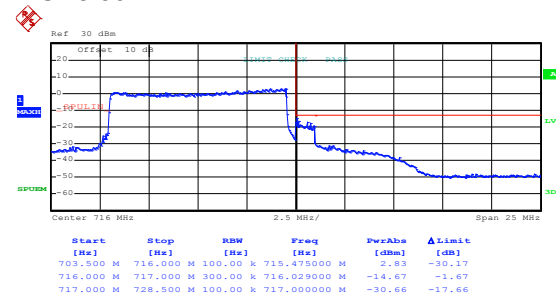
Highest channel

16QAM & RB Size 50



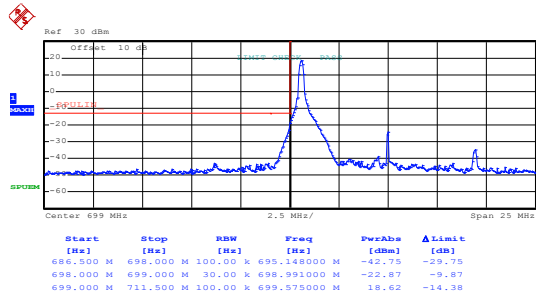
Date: 18.SEP.2019 08:30:15

Lowest channel



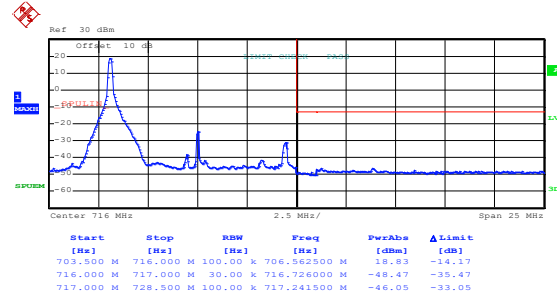
Date: 18.SEP.2019 08:29:29

Highest channel

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

Date: 18.SEP.2019 08:30:27

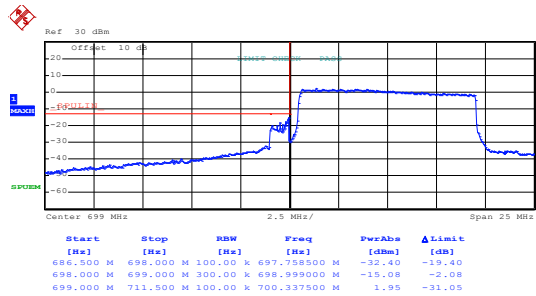
Lowest channel



Date: 18.SEP.2019 08:29:02

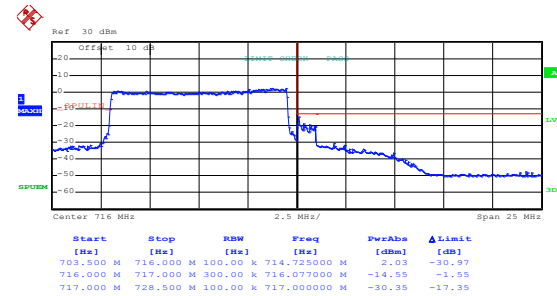
Highest channel

QPSK & RB Size 50



Date: 18.SEP.2019 08:30:11

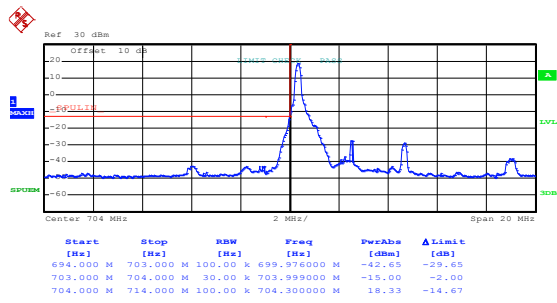
Lowest channel



Date: 18.SEP.2019 08:29:36

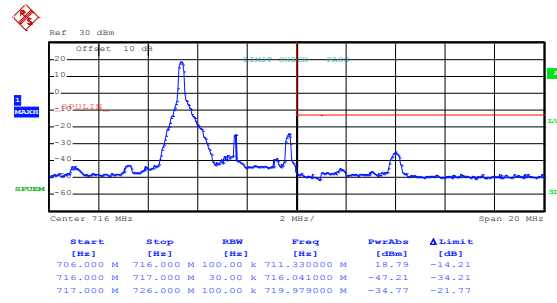
Highest channel

LTE Band 17 part:

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

Date: 18.SEP.2019 08:33:10

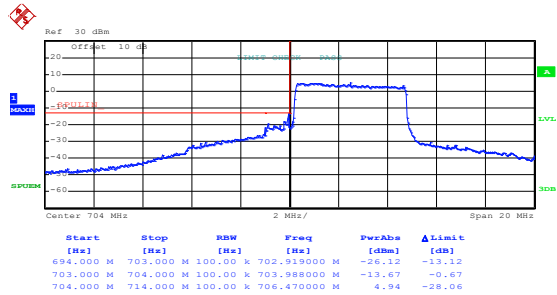
Lowest channel



Date: 18.SEP.2019 08:33:34

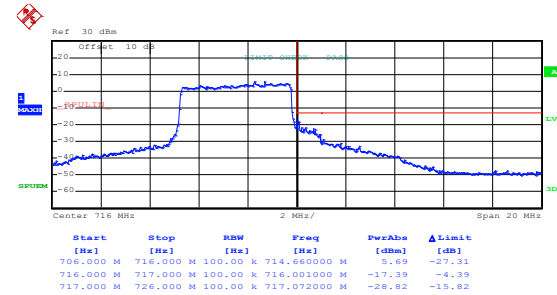
Highest channel

16QAM & RB Size 25



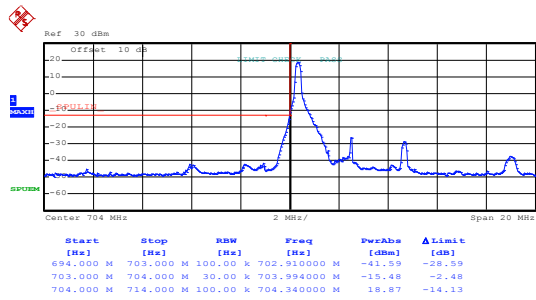
Date: 18.SEP.2019 08:32:46

Lowest channel



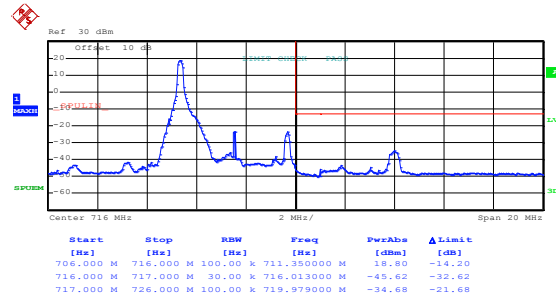
Date: 18.SEP.2019 08:34:08

Highest channel

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

Date: 18.SEP.2019 08:33:04

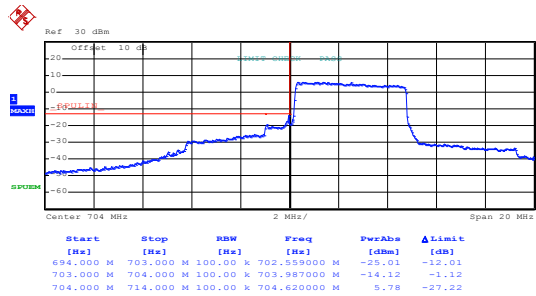
Lowest channel



Date: 18.SEP.2019 08:33:30

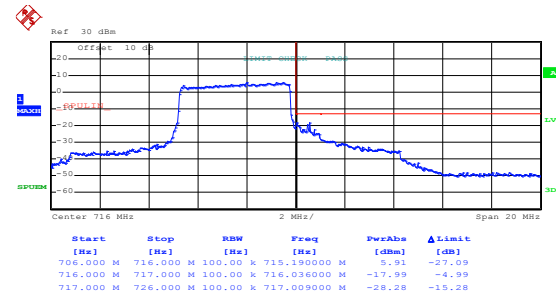
Highest channel

QPSK & RB Size 25



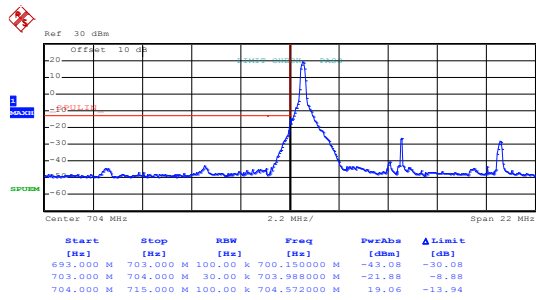
Date: 18.SEP.2019 08:32:40

Lowest channel



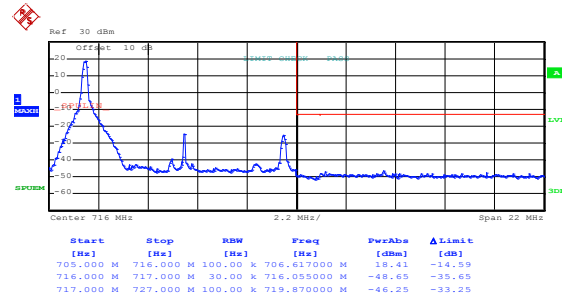
Date: 18.SEP.2019 08:34:03

Highest channel

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

Date: 18.SEP.2019 08:35:46

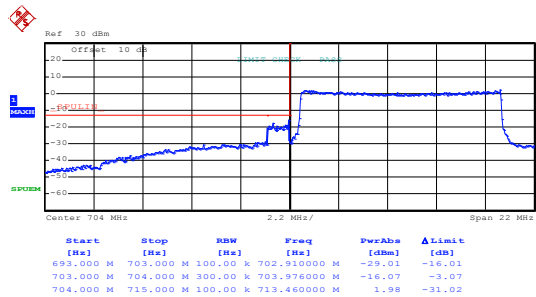
Lowest channel



Date: 18.SEP.2019 08:35:24

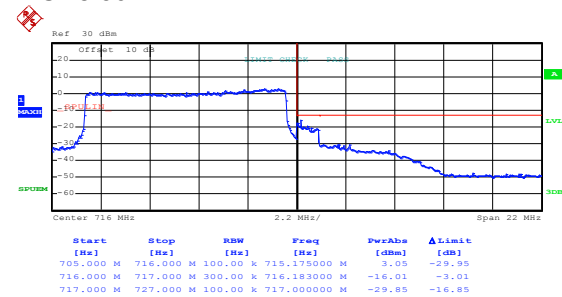
Highest channel

16QAM & RB Size 50



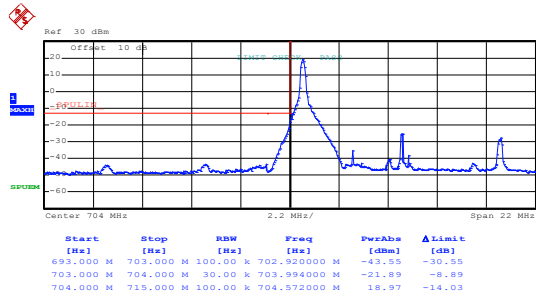
Date: 18.SEP.2019 08:36:41

Lowest channel



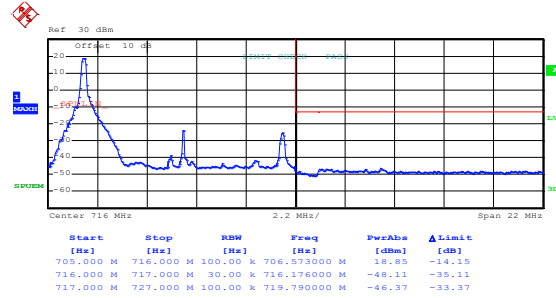
Date: 18.SEP.2019 08:35:07

Highest channel

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

Date: 18.SEP.2019 08:35:41

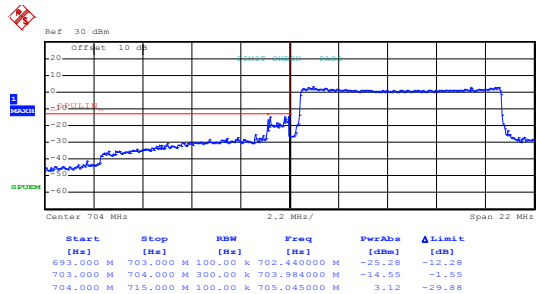
Lowest channel



Date: 18.SEP.2019 08:35:19

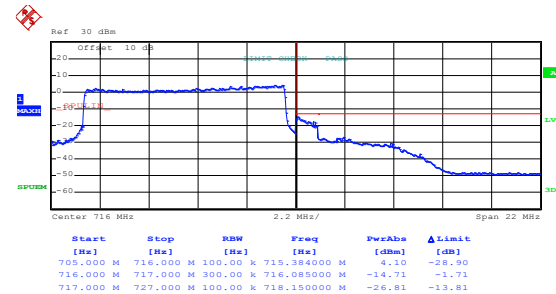
Highest channel

QPSK & RB Size 50



Date: 18.SEP.2019 08:36:29

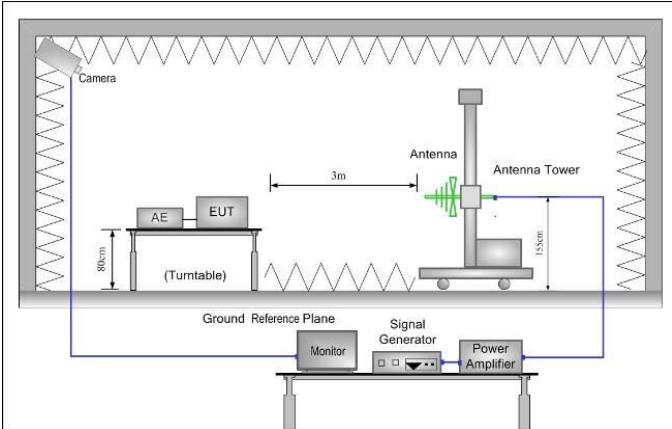
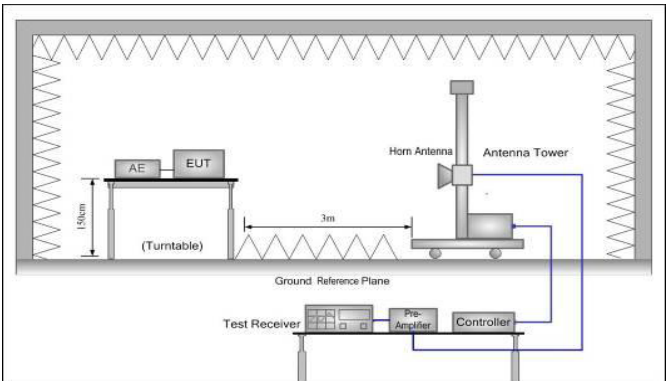
Lowest channel



Date: 18.SEP.2019 08:35:02

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)
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).
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. $ERP / EIRP = S.G. \text{ output (dBm)} + \text{Antenna Gain(dB/dBi)} - \text{Cable Loss (dB)}$
Test Instruments:	Refer to section 5.10 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	-36.36	-13.00	Pass
5552.10	V	-31.43		
7402.00	V	-36.65		
3701.40	Horizontal	-37.63		
5552.10	H	-38.12		
7402.00	H	-37.04		
Middle Channel				
3760.00	Vertical	-36.35	-13.00	Pass
5640.00	V	-31.25		
7520.00	V	-35.63		
3760.00	Horizontal	-36.25		
5640.00	H	-37.51		
7520.00	H	-38.64		
Highest Channel				
3816.60	Vertical	-35.25	-13.00	Pass
5724.90	V	-32.64		
7633.20	V	-35.76		
3816.60	Horizontal	-36.19		
5724.90	H	-38.49		
7633.20	H	-36.34		
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	-32.26	-13.00	Pass
5554.50	V	-32.75		
7406.00	V	-34.69		
3703.00	Horizontal	-34.12		
5554.50	H	-36.61		
7406.00	H	-35.24		
Middle Channel				
3760.00	Vertical	-33.23	-13.00	Pass
5640.00	V	-32.26		
7520.00	V	-33.64		
3760.00	Horizontal	-34.51		
5640.00	H	-36.69		
7520.00	H	-34.75		
Highest Channel				
3817.00	Vertical	-31.23	-13.00	Pass
5725.50	V	-34.63		
7634.00	V	-36.36		
3817.00	Horizontal	-35.56		
5725.50	H	-34.19		
7634.00	H	-33.27		
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	-35.25	-13.00	Pass
5557.50	V	-32.64		
7410.00	V	-35.76		
3705.00	Horizontal	-36.15		
5557.50	H	-38.49		
7410.00	H	-36.79		
Middle Channel				
3760.00	Vertical	-36.85	-13.00	Pass
5640.00	V	-32.21		
7520.00	V	-35.97		
3760.00	Horizontal	-36.24		
5640.00	H	-37.16		
7520.00	H	-35.18		
Highest Channel				
3815.00	Vertical	-35.69	-13.00	Pass
5722.50	V	-31.46		
7630.00	V	-35.72		
3815.00	Horizontal	-36.19		
5722.50	H	-37.46		
7630.00	H	-35.19		
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 2, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3710.00	Vertical	-33.23	-13.00	Pass
5565.00	V	-32.26		
7420.00	V	-34.61		
3710.00	Horizontal	-35.69		
5565.00	H	-37.46		
7420.00	H	-35.19		
Middle Channel				
3760.00	Vertical	-34.72	-13.00	Pass
5640.00	V	-31.45		
7520.00	V	-32.26		
3760.00	Horizontal	-33.36		
5640.00	H	-34.56		
7520.00	H	-35.18		
Highest Channel				
3810.00	Vertical	-32.23	-13.00	Pass
5715.00	V	-33.46		
7620.00	V	-34.15		
3810.00	Horizontal	-36.25		
5715.00	H	-36.23		
7620.00	H	-34.17		
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	-34.61	-13.00	Pass
5572.50	V	-32.56		
7430.00	V	-36.76		
3715.00	Horizontal	-35.94		
5572.50	H	-37.61		
7430.00	H	-35.48		
Middle Channel				
3760.00	Vertical	-36.21	-13.00	Pass
5640.00	V	-31.24		
7520.00	V	-34.79		
3760.00	Horizontal	-35.26		
5640.00	H	-36.31		
7520.00	H	-35.79		
Highest Channel				
3805.00	Vertical	-34.15	-13.00	Pass
5707.50	V	-32.26		
7610.00	V	-35.69		
3805.00	Horizontal	-34.71		
5707.50	H	-36.32		
7610.00	H	-34.17		
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	-33.23	-13.00	Pass
5580.00	V	-31.46		
7440.00	V	-35.26		
3720.00	Horizontal	-34.67		
5580.00	H	-36.61		
7440.00	H	-34.19		
Middle Channel				
3760.00	Vertical	-36.25	-13.00	Pass
5640.00	V	-32.24		
7520.00	V	-33.16		
3760.00	Horizontal	-34.75		
5640.00	H	-35.51		
7520.00	H	-34.79		
Highest Channel				
3800.00	Vertical	-33.23	-13.00	Pass
5700.00	V	-31.64		
7600.00	V	-34.61		
3800.00	Horizontal	-35.26		
5700.00	H	-36.73		
7600.00	H	-34.17		
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	-40.21	-13.00	Pass
5132.10	V	-36.24		
6842.80	V	-36.96		
3421.40	Horizontal	-41.44		
5132.10	H	-33.52		
6842.80	H	-35.27		
Middle Channel				
3465.00	Vertical	-39.63	-13.00	Pass
5197.50	V	-35.25		
6930.00	V	-34.16		
3465.00	Horizontal	-42.56		
5197.50	H	-33.64		
6930.00	H	-34.78		
Highest Channel				
3508.60	Vertical	-39.63	-13.00	Pass
5262.90	V	-35.51		
7017.20	V	-34.76		
3508.60	Horizontal	-42.59		
5262.90	H	-34.69		
7017.20	H	-34.15		
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	-39.63	-13.00	Pass
5134.50	V	-32.23		
6846.00	V	-32.46		
3423.00	Horizontal	-38.63		
5134.50	H	-31.47		
6846.00	H	-33.26		
Middle Channel				
3465.00	Vertical	-37.64	-13.00	Pass
5197.50	V	-33.56		
6930.00	V	-33.16		
3465.00	Horizontal	-42.58		
5197.50	H	-31.26		
6930.00	H	-33.49		
Highest Channel				
3507.00	Vertical	-40.75	-13.00	Pass
5260.50	V	-34.19		
7014.00	V	-32.23		
3507.00	Horizontal	-41.25		
5260.50	H	-32.23		
7014.00	H	-30.79		
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	-39.23	-13.00	Pass
5137.50	V	-34.56		
6850.00	V	-36.25		
3425.00	Horizontal	-42.73		
5137.50	H	-32.26		
6850.00	H	-34.19		
Middle Channel				
3465.00	Vertical	-40.25	-13.00	Pass
5197.50	V	-36.39		
6930.00	V	-34.58		
3465.00	Horizontal	-42.97		
5197.50	H	-33.23		
6930.00	H	-36.49		
Highest Channel				
3505.00	Vertical	-40.25	-13.00	Pass
5257.50	V	-34.47		
7010.00	V	-33.26		
3505.00	Horizontal	-41.79		
5257.50	H	-33.39		
7010.00	H	-33.59		
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	-40.26	-13.00	Pass
5145.00	V	-31.36		
6860.00	V	-33.98		
3430.00	Horizontal	-39.75		
5145.00	H	-32.25		
6860.00	H	-34.19		
Middle Channel				
3465.00	Vertical	-39.63	-13.00	Pass
5197.50	V	-33.26		
6930.00	V	-34.19		
3465.00	Horizontal	-41.75		
5197.50	H	-32.26		
6930.00	H	-34.18		
Highest Channel				
3500.00	Vertical	-39.65	-13.00	Pass
5250.00	V	-34.15		
7000.00	V	-32.75		
3500.00	Horizontal	-42.27		
5250.00	H	-31.55		
7000.00	H	-32.27		
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	-40.25	-13.00	Pass
5152.50	V	-33.46		
6870.00	V	-35.61		
3435.00	Horizontal	-41.75		
5152.50	H	-33.29		
6870.00	H	-34.78		
Middle Channel				
3465.00	Vertical	-39.51	-13.00	Pass
5197.50	V	-35.67		
6930.00	V	-33.44		
3465.00	Horizontal	-41.56		
5197.50	H	-32.49		
6930.00	H	-36.78		
Highest Channel				
3495.00	Vertical	-39.96	-13.00	Pass
5242.50	V	-33.12		
6990.00	V	-32.64		
3495.00	Horizontal	-41.75		
5242.50	H	-34.69		
6990.00	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 4, WB: 20MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3440.00	Vertical	-39.63	-13.00	Pass
5160.00	V	-32.23		
6880.00	V	-34.71		
3440.00	Horizontal	-40.26		
5160.00	H	-33.49		
6880.00	H	-33.46		
Middle Channel				
3465.00	Vertical	-40.21	-13.00	Pass
5197.50	V	-34.13		
6930.00	V	-34.61		
3465.00	Horizontal	-42.37		
5197.50	H	-31.77		
6930.00	H	-35.64		
Highest Channel				
3490.00	Vertical	-38.52	-13.00	Pass
5235.00	V	-34.61		
6980.00	V	-33.23		
3490.00	Horizontal	-41.21		
5235.00	H	-32.49		
6980.00	H	-33.47		
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	-57.18	-13.00	Pass
2474.10	V	-56.87		
3298.80	V	-49.53		
1649.40	Horizontal	-59.44		
2474.10	H	-56.18		
3298.80	H	-50.86		
Middle Channel				
1673.00	Vertical	-55.23	-13.00	Pass
2509.50	V	-57.63		
3346.00	V	-48.56		
1673.00	Horizontal	-58.49		
2509.50	H	-55.47		
3346.00	H	-49.31		
Highest Channel				
1696.60	Vertical	-56.79	-13.00	Pass
2544.90	V	-58.63		
3393.20	V	-48.17		
1696.60	Horizontal	-60.13		
2544.90	H	-55.25		
3393.20	H	-49.71		
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	-54.25	-13.00	Pass
2476.50	V	-55.63		
3302.00	V	-49.31		
1651.00	Horizontal	-56.63		
2476.50	H	-54.12		
3302.00	H	-47.18		
Middle Channel				
1673.00	Vertical	-54.23	-13.00	Pass
2509.50	V	-56.32		
3346.00	V	-49.75		
1673.00	Horizontal	-54.11		
2509.50	H	-55.79		
3346.00	H	-48.21		
Highest Channel				
1695.00	Vertical	-54.25	-13.00	Pass
2542.50	V	-58.63		
3390.00	V	-49.36		
1695.00	Horizontal	-60.25		
2542.50	H	-55.47		
3390.00	H	-49.18		
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	-56.32	-13.00	Pass
2479.50	V	-55.21		
3306.00	V	-49.25		
1653.00	Horizontal	-58.72		
2479.50	H	-55.16		
3306.00	H	-49.78		
Middle Channel				
1673.00	Vertical	-54.26	-13.00	Pass
2509.50	V	-56.32		
3346.00	V	-48.72		
1673.00	Horizontal	-54.15		
2509.50	H	-55.24		
3346.00	H	-48.21		
Highest Channel				
1693.00	Vertical	-56.32	-13.00	Pass
2539.50	V	-57.42		
3386.00	V	-48.96		
1693.00	Horizontal	-59.25		
2539.50	H	-54.18		
3386.00	H	-49.76		
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: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1658.00	Vertical	-55.25	-13.00	Pass
2487.00	V	-54.13		
3316.00	V	-48.67		
1658.00	Horizontal	-57.64		
2487.00	H	-54.12		
3316.00	H	-48.63		
Middle Channel				
1673.00	Vertical	-55.25	-13.00	Pass
2509.50	V	-56.34		
3346.00	V	-49.21		
1673.00	Horizontal	-54.75		
2509.50	H	-55.42		
3346.00	H	-49.78		
Highest Channel				
1688.00	Vertical	-55.25	-13.00	Pass
2532.00	V	-57.13		
3376.00	V	-48.63		
1688.00	Horizontal	-59.18		
2532.00	H	-54.27		
3376.00	H	-48.63		
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	-58.21	-13.00	Pass
2099.10	V	-50.11		
2798.80	V	-43.81		
1399.40	Horizontal	-56.62		
2099.10	H	-44.59		
2798.80	H	-47.27		
Middle Channel				
1415.00	Vertical	-56.60	-13.00	Pass
2122.50	V	-49.31		
2830.00	V	-42.55		
1415.00	Horizontal	-43.20		
2122.50	H	-55.16		
2830.00	H	-46.36		
Highest Channel				
1430.60	Vertical	-59.63	-13.00	Pass
2145.90	V	-49.25		
2861.20	V	-42.63		
1430.60	Horizontal	-55.72		
2145.90	H	-46.31		
2861.20	H	-48.79		
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: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1401.00	Vertical	-55.25	-13.00	Pass
2101.50	V	-48.63		
2802.00	V	-42.23		
1401.00	Horizontal	-54.16		
2101.50	H	-44.75		
2802.00	H	-45.98		
Middle Channel				
1415.00	Vertical	-53.23	-13.00	Pass
2122.50	V	-47.56		
2830.00	V	-42.53		
1415.00	Horizontal	-41.69		
2122.50	H	-55.76		
2830.00	H	-46.32		
Highest Channel				
1429.00	Vertical	-56.25	-13.00	Pass
2143.50	V	-46.12		
2858.00	V	-41.75		
1429.00	Horizontal	-52.23		
2143.50	H	-45.19		
2858.00	H	-46.75		
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, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1403.00	Vertical	-57.32	-13.00	Pass
2104.50	V	-49.63		
2806.00	V	-42.25		
1403.00	Horizontal	-56.21		
2104.50	H	-44.77		
2806.00	H	-46.29		
Middle Channel				
1415.00	Vertical	-55.25	-13.00	Pass
2122.50	V	-49.75		
2830.00	V	-42.51		
1415.00	Horizontal	-42.59		
2122.50	H	-55.66		
2830.00	H	-46.78		
Highest Channel				
1427.00	Vertical	-58.25	-13.00	Pass
2410.50	V	-46.36		
2854.00	V	-41.79		
1427.00	Horizontal	-54.25		
2410.50	H	-45.79		
2854.00	H	-47.53		
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	-56.32	-13.00	Pass
2112.00	V	-48.52		
2816.00	V	-41.72		
1408.00	Horizontal	-55.23		
2112.00	H	-45.98		
2816.00	H	-46.17		
Middle Channel				
1415.00	Vertical	-54.25	-13.00	Pass
2122.50	V	-48.62		
2830.00	V	-41.23		
1415.00	Horizontal	-42.73		
2122.50	H	-54.17		
2830.00	H	-45.73		
Highest Channel				
1422.00	Vertical	-57.25	-13.00	Pass
2133.00	V	-45.63		
2844.00	V	-42.25		
1422.00	Horizontal	-53.63		
2133.00	H	-46.25		
2844.00	H	-46.79		
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 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	-58.54	-13.00	Pass
2119.50	V	-52.70		
2826.00	V	-43.11		
1413.00	Horizontal	-59.36		
2119.50	H	-57.55		
2826.00	H	-53.24		
Middle Channel				
1420.00	Vertical	-57.36	-13.00	Pass
2130.00	V	-52.21		
2840.00	V	-42.63		
1420.00	Horizontal	-60.36		
2130.00	H	-56.37		
2840.00	H	-52.49		
Highest Channel				
1427.00	Vertical	-57.25	-13.00	Pass
2140.50	V	-51.34		
2854.00	V	-42.56		
1427.00	Horizontal	-60.35		
2140.50	H	-58.79		
2854.00	H	-52.17		
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	-57.14	-13.00	Pass
2127.00	V	-51.43		
2836.00	V	-42.56		
1418.00	Horizontal	-59.63		
2127.00	H	-55.47		
2836.00	H	-52.13		
Middle Channel				
1420.00	Vertical	-56.25	-13.00	Pass
2130.00	V	-51.47		
2840.00	V	-42.15		
1420.00	Horizontal	-59.79		
2130.00	H	-55.35		
2840.00	H	-51.78		
Highest Channel				
1422.00	Vertical	-56.32	-13.00	Pass
2133.00	V	-51.42		
2844.00	V	-42.53		
1422.00	Horizontal	-59.79		
2133.00	H	-58.13		
2844.00	H	-51.76		
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.				

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)
Limit:	$\pm 2.5\text{ppm}$
Test setup:	The diagram illustrates the test setup. A Power Source is connected to a Divider. The Divider is connected to two feed-through attenuators labeled SS and SA. The SA is connected to the EUT (Equipment Under Test) inside a Temperature & Humidity Chamber. The SS is connected to a Spectrum Analyzer (SA).
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 5.10 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					
3.80	-30	175	0.093085	±2.5	Pass
	-20	165	0.087766		
	-10	148	0.078723		
	0	132	0.070213		
	10	114	0.060638		
	20	160	0.085106		
	30	170	0.090426		
	40	163	0.086702		
	50	144	0.076596		
16QAM					
3.80	-30	155	0.082447	±2.5	Pass
	-20	124	0.065957		
	-10	110	0.058511		
	0	114	0.060638		
	10	135	0.071809		
	20	128	0.068085		
	30	149	0.079255		
	40	102	0.054255		
	50	145	0.077128		
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					
3.80	-30	170	0.098124	±2.5	Pass
	-20	145	0.083694		
	-10	163	0.094084		
	0	159	0.091775		
	10	130	0.075036		
	20	109	0.062915		
	30	146	0.084271		
	40	166	0.095815		
	50	133	0.076768		
16QAM					
3.80	-30	180	0.103896	±2.5	Pass
	-20	147	0.084848		
	-10	159	0.091775		
	0	138	0.079654		
	10	167	0.096392		
	20	128	0.073882		
	30	179	0.103319		
	40	160	0.092352		
	50	114	0.065801		
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					
3.80	-30	174	0.208010	±2.5	Pass
	-20	136	0.162582		
	-10	122	0.145846		
	0	166	0.198446		
	10	158	0.188882		
	20	149	0.178123		
	30	135	0.161387		
	40	106	0.126718		
	50	108	0.129109		
16QAM					
3.80	-30	189	0.225941	±2.5	Pass
	-20	119	0.142259		
	-10	156	0.186491		
	0	155	0.185296		
	10	133	0.158996		
	20	122	0.145846		
	30	147	0.175732		
	40	176	0.210400		
	50	177	0.211596		
Note: Only the worst case shown in the report.					

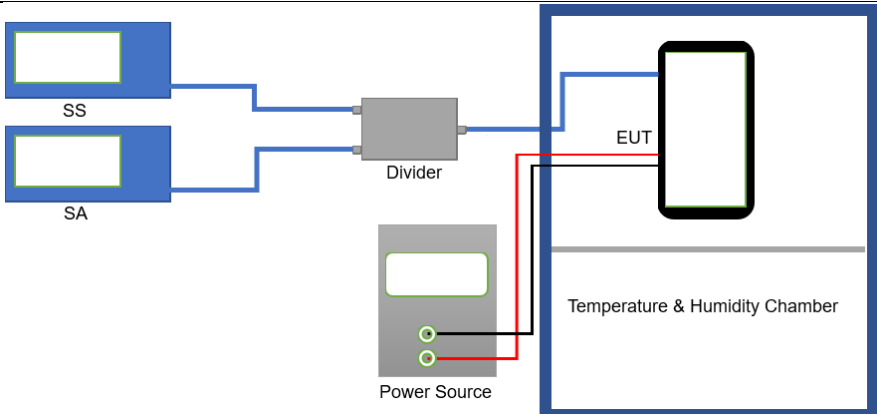
LTE Band 12 part:

Reference Frequency: LTE Band 12 (10MHz) Middle channel=23095 channel=707.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.80	-30	175	0.247350	±2.5	Pass
	-20	165	0.233216		
	-10	125	0.176678		
	0	148	0.209187		
	10	136	0.192226		
	20	128	0.180919		
	30	133	0.187986		
	40	164	0.231802		
	50	145	0.204947		
16QAM					
3.80	-30	170	0.240283	±2.5	Pass
	-20	120	0.169611		
	-10	163	0.230389		
	0	140	0.197880		
	10	107	0.151237		
	20	106	0.149823		
	30	145	0.204947		
	40	132	0.186572		
	50	121	0.171025		
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					
3.80	-30	180	0.253521	±2.5	Pass
	-20	146	0.205634		
	-10	132	0.185915		
	0	118	0.166197		
	10	165	0.232394		
	20	145	0.204225		
	30	132	0.185915		
	40	175	0.246479		
	50	169	0.238028		
16QAM					
3.80	-30	166	0.233803	±2.5	Pass
	-20	125	0.176056		
	-10	138	0.194366		
	0	127	0.178873		
	10	149	0.209859		
	20	108	0.152113		
	30	142	0.200000		
	40	118	0.166197		
	50	160	0.225352		
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)
Limit:	$\pm 2.5\text{ppm}$
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer (SA) and a Signal Source (SS) are connected to a Divider. 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 5.10 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	4.35	78	0.041489	±2.5	Pass
	3.80	56	0.029787		
	3.50	45	0.023936		
16QAM					
25	4.35	88	0.046809	±2.5	Pass
	3.80	36	0.019149		
	3.50	24	0.012766		
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	4.35	77	0.044444	±2.5	Pass
	3.80	45	0.025974		
	3.50	13	0.007504		
16QAM					
25	4.35	96	0.055411	±2.5	Pass
	3.80	85	0.049062		
	3.50	66	0.038095		
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	4.35	97	0.115959	±2.5	Pass
	3.80	58	0.069337		
	3.50	68	0.081291		
16QAM					
25	4.35	78	0.093246	±2.5	Pass
	3.80	65	0.077705		
	3.50	32	0.038255		
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	4.35	78	0.110247	±2.5	Pass
	3.80	65	0.091873		
	3.50	25	0.035336		
16QAM					
25	4.35	36	0.050883	±2.5	Pass
	3.80	12	0.016961		
	3.50	22	0.031095		
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	4.35	74	0.104225	±2.5	Pass
	3.80	41	0.057746		
	3.50	63	0.088732		
16QAM					
25	4.35	85	0.119718	±2.5	Pass
	3.80	46	0.064789		
	3.50	36	0.050704		
Note: Only the worst case shown in the report.					