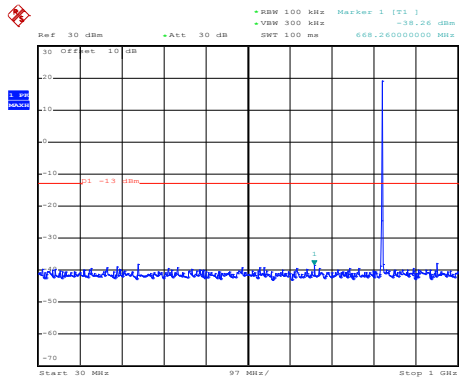


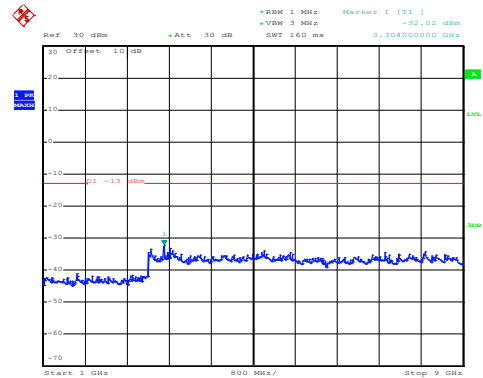
LTE Band 5 part:

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



Date: 8.OCT.2019 17:28:27

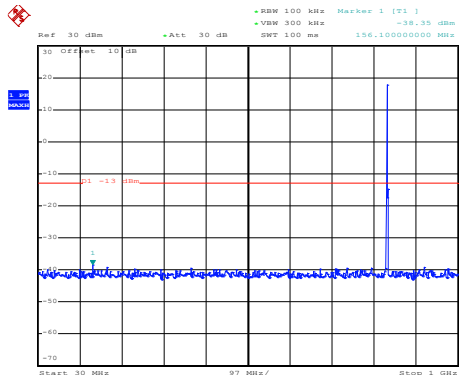
30MHz~1GHz



Date: 9.OCT.2019 19:21:15

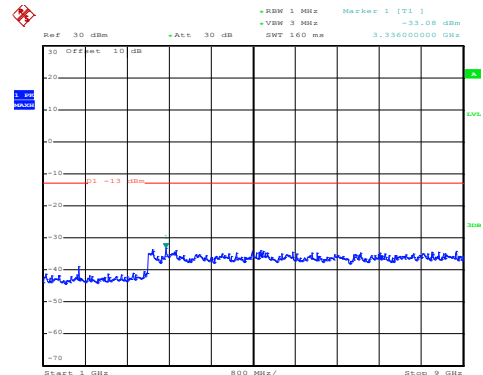
1GHz~9GHz

Middle channel



Date: 8.OCT.2019 17:29:34

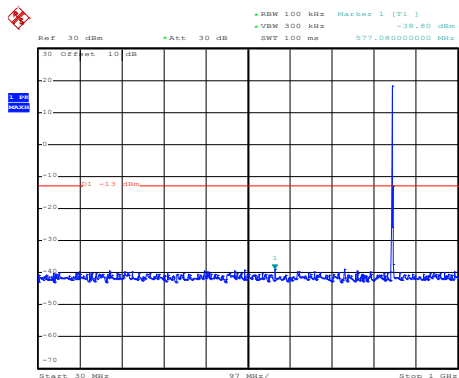
30MHz~1GHz



Date: 9.OCT.2019 19:21:53

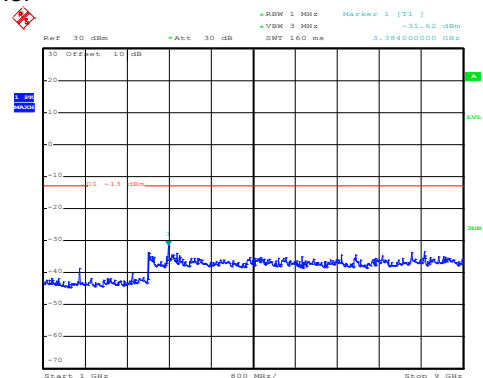
1GHz~9GHz

High channel



Date: 8.OCT.2019 17:29:57

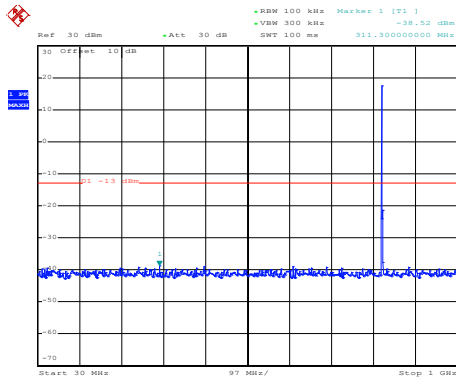
30MHz~1GHz



Date: 9.OCT.2019 19:22:07

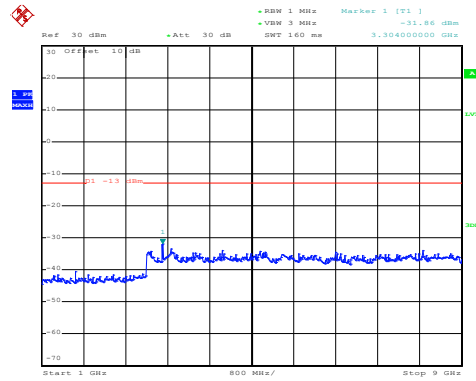
1GHz~9GHz

LTE Band 5: 16 QAM & RB Size 6 BW: 1.4MHz Lowest channel



Date: 8.OCT.2019 17:28:49

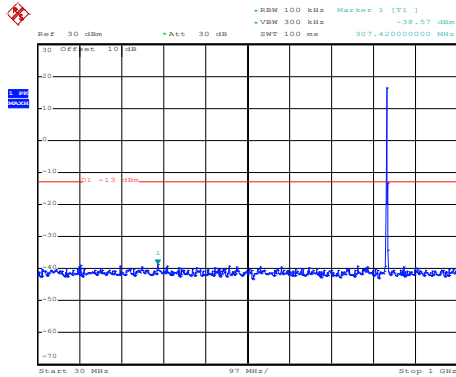
30MHz~1GHz



Date: 9.OCT.2019 19:21:26

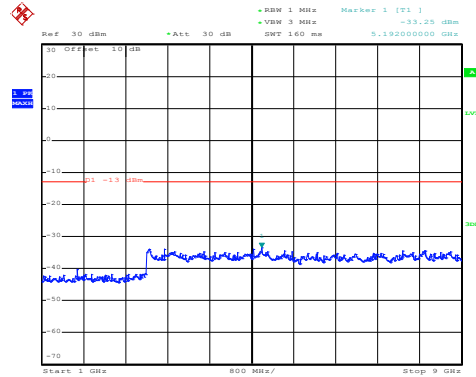
1GHz~9GHz

Middle channel



Date: 8.OCT.2019 17:29:13

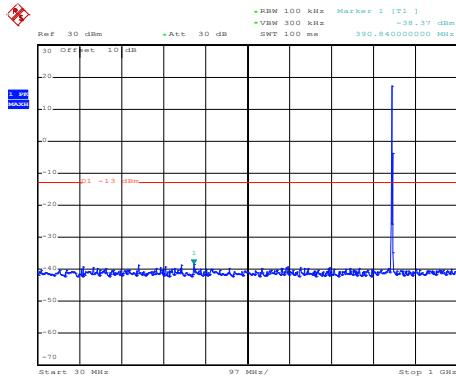
30MHz~1GHz



Date: 9.OCT.2019 19:21:40

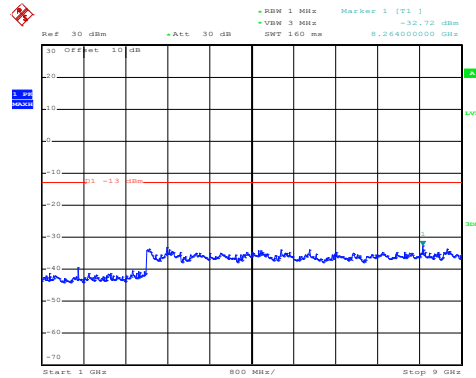
1GHz~9GHz

High channel



Date: 8.OCT.2019 17:30:21

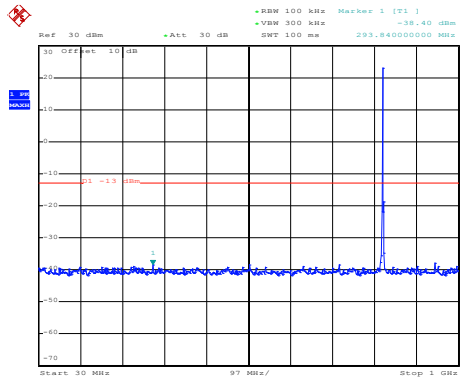
30MHz~1GHz



Date: 9.OCT.2019 19:22:21

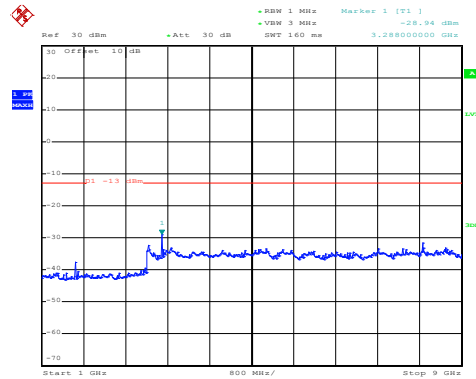
1GHz~9GHz

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



Date: 8.OCT.2019 17:28:18

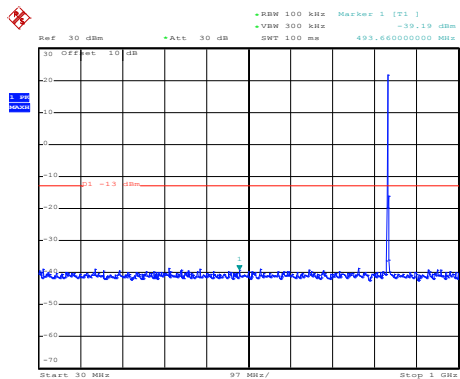
30MHz~1GHz



Date: 9.OCT.2019 19:21:10

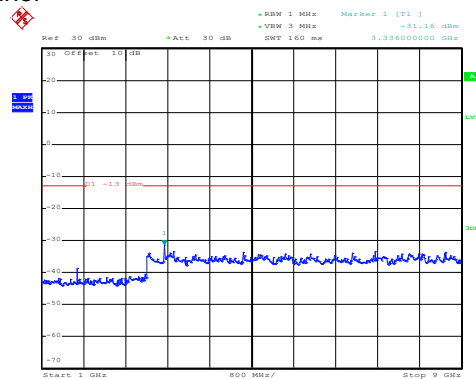
1GHz~9GHz

Middle channel



Date: 8.OCT.2019 17:29:25

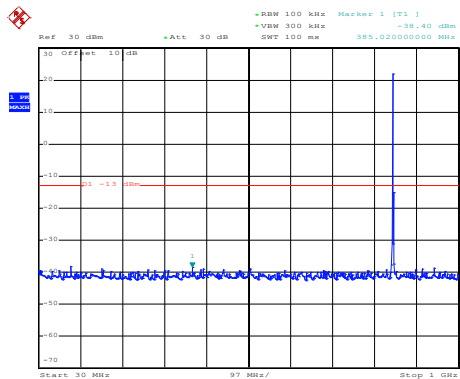
30MHz~1GHz



Date: 9.OCT.2019 19:21:47

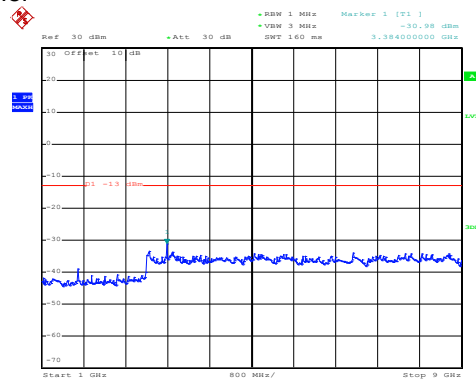
1GHz~9GHz

High channel



Date: 8.OCT.2019 17:29:48

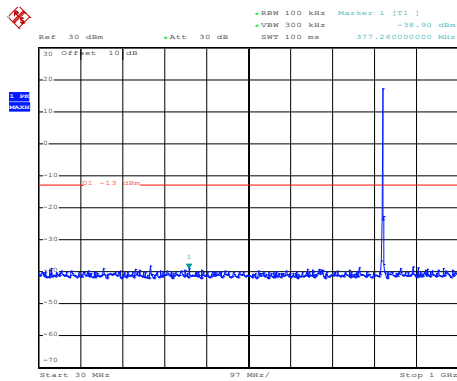
30MHz~1GHz



Date: 9.OCT.2019 19:22:03

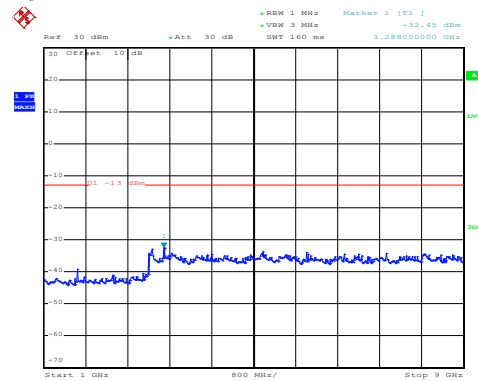
1GHz~9GHz

LTE Band 5: QPSK & RB Size 6 BW: 1.4MHz Lowest channel



Date: 8.OCT.2019 17:28:39

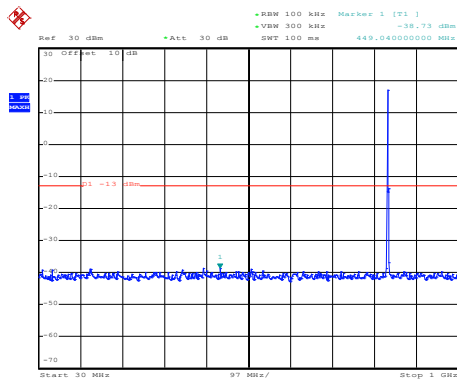
30MHz~1GHz



Date: 9.OCT.2019 19:21:22

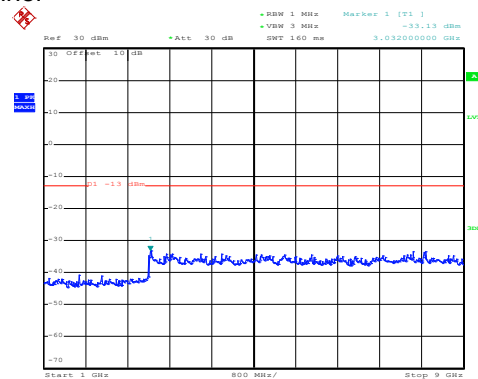
1GHz~9GHz

Middle channel



Date: 8.OCT.2019 17:29:04

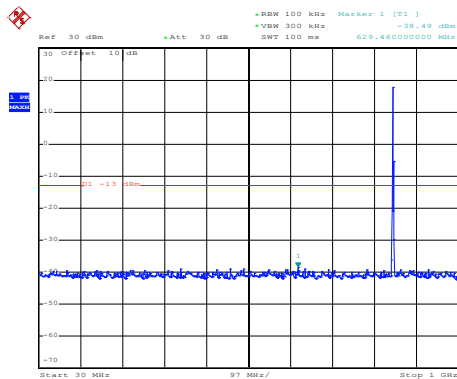
30MHz~1GHz



Date: 9.OCT.2019 19:21:35

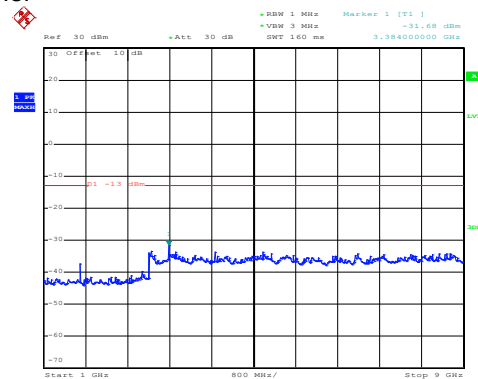
1GHz~9GHz

High channel



Date: 8.OCT.2019 17:30:10

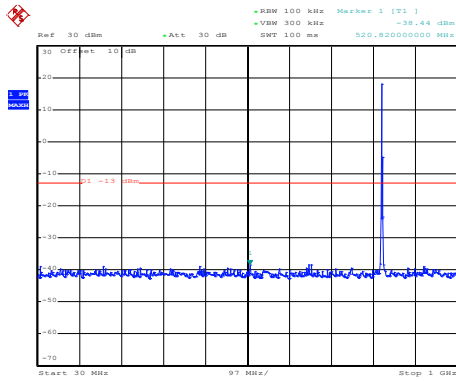
30MHz~1GHz



Date: 9.OCT.2019 19:22:14

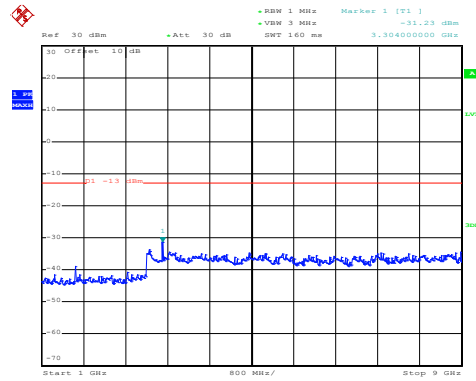
1GHz~9GHz

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



Date: 8.OCT.2019 17:31:01

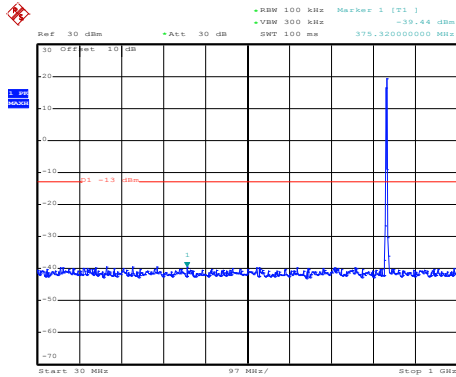
30MHz~1GHz



Date: 9.OCT.2019 19:22:46

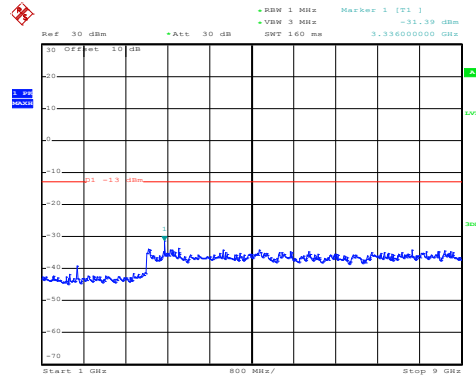
1GHz~9GHz

Middle channel



Date: 8.OCT.2019 17:32:09

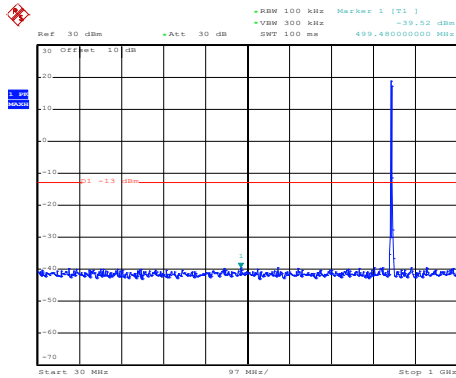
30MHz~1GHz



Date: 9.OCT.2019 19:23:30

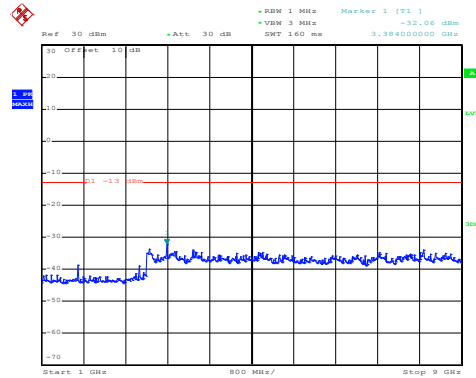
1GHz~9GHz

High channel



Date: 8.OCT.2019 17:32:35

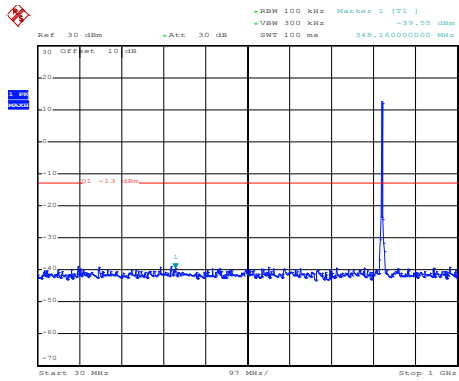
30MHz~1GHz



Date: 9.OCT.2019 19:23:45

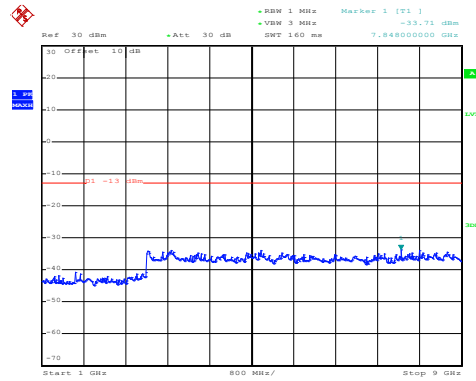
1GHz~9GHz

LTE Band 5: 16 QAM & RB Size 15
 BW: 3MHz
 Lowest channel



Date: 8.OCT.2019 17:31:23

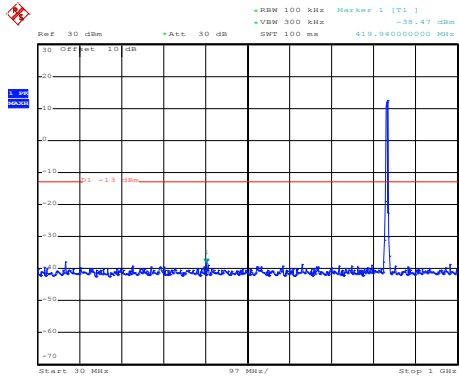
30MHz~1GHz



Date: 9.OCT.2019 19:23:01

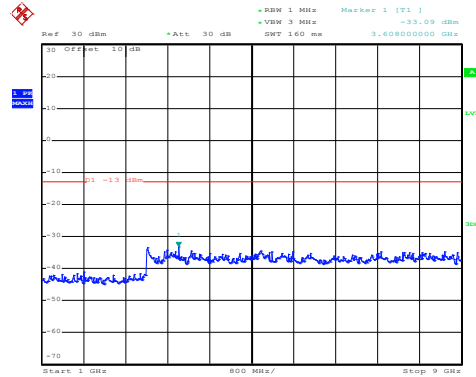
1GHz~9GHz

Middle channel



Date: 8.OCT.2019 17:31:51

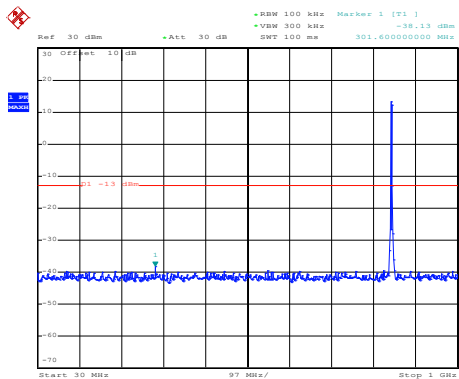
30MHz~1GHz



Date: 9.OCT.2019 19:23:19

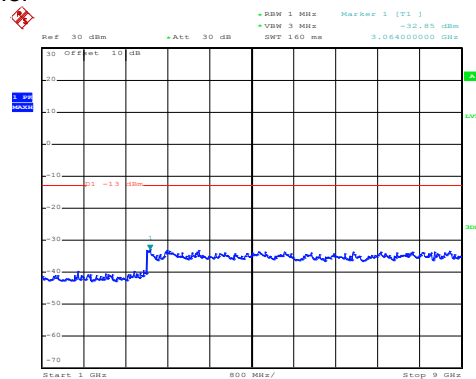
1GHz~9GHz

High channel



Date: 8.OCT.2019 17:32:56

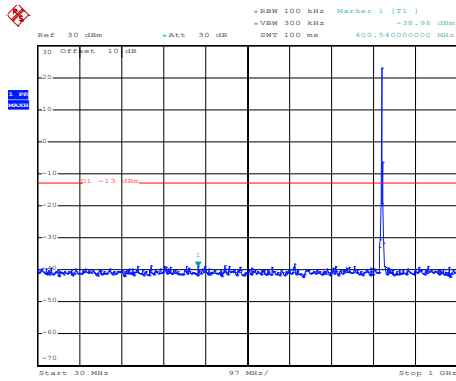
30MHz~1GHz



Date: 9.OCT.2019 19:24:36

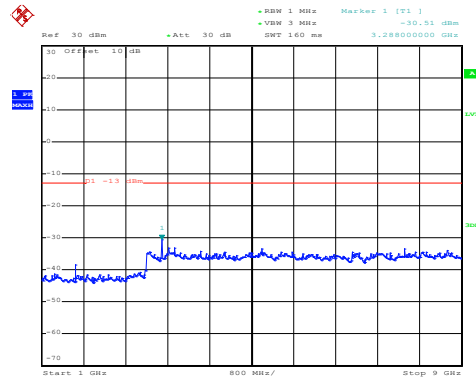
1GHz~9GHz

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



Date: 8.OCT.2019 17:30:52

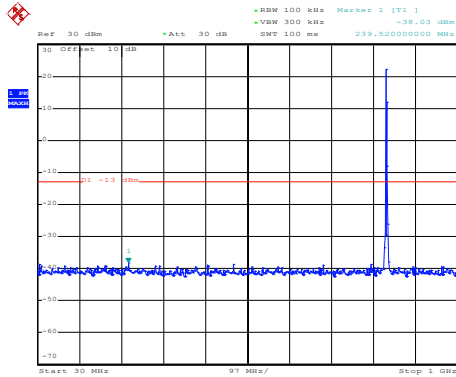
30MHz~1GHz



Date: 9.OCT.2019 19:22:42

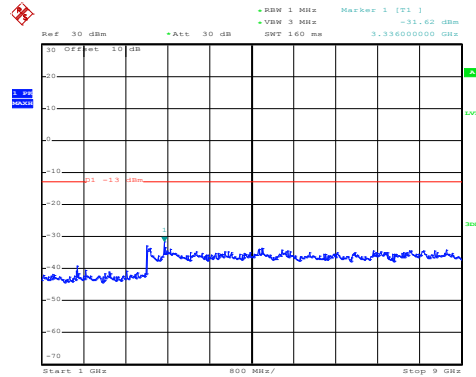
1GHz~9GHz

Middle channel



Date: 8.OCT.2019 17:32:01

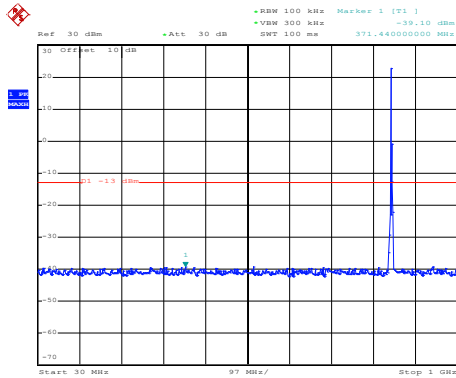
30MHz~1GHz



Date: 9.OCT.2019 19:23:25

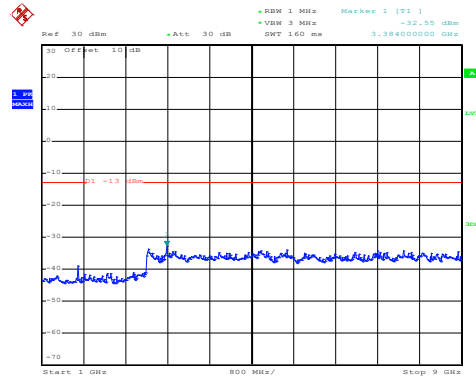
1GHz~9GHz

High channel



Date: 8.OCT.2019 17:32:26

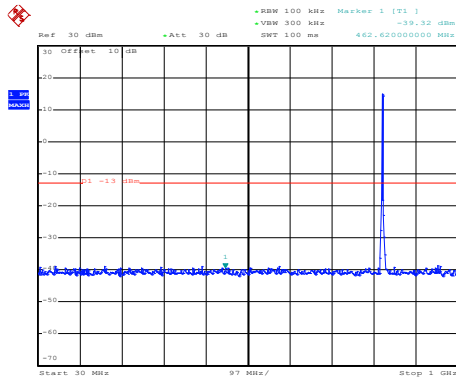
30MHz~1GHz



Date: 9.OCT.2019 19:23:41

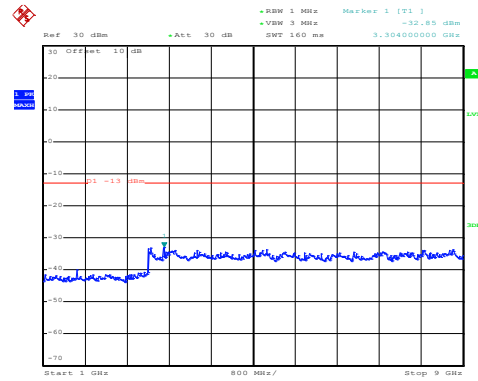
1GHz~9GHz

LTE Band 5: QPSK & RB Size 15 BW: 3MHz Lowest channel



Date: 8.OCT.2019 17:31:16

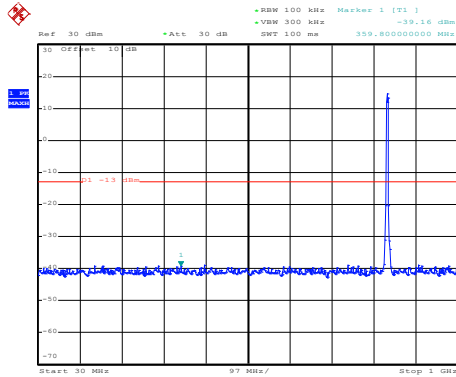
30MHz~1GHz



Date: 9.OCT.2019 19:22:56

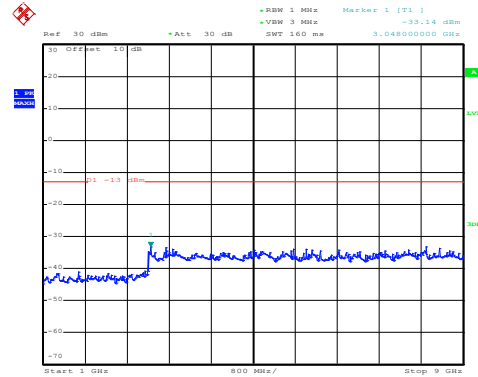
1GHz~9GHz

Middle channel



Date: 8.OCT.2019 17:31:38

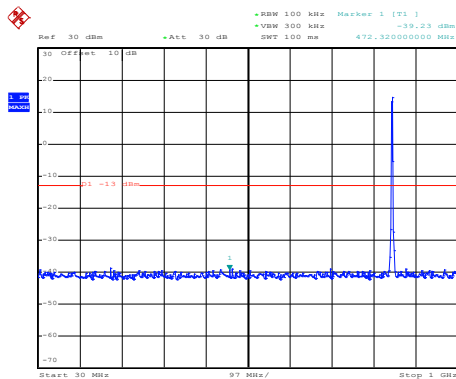
30MHz~1GHz



Date: 9.OCT.2019 19:23:15

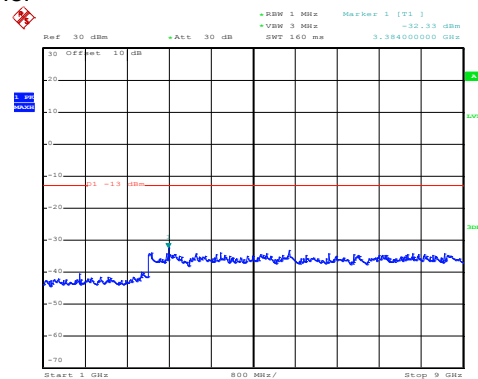
1GHz~9GHz

High channel



Date: 8.OCT.2019 17:32:48

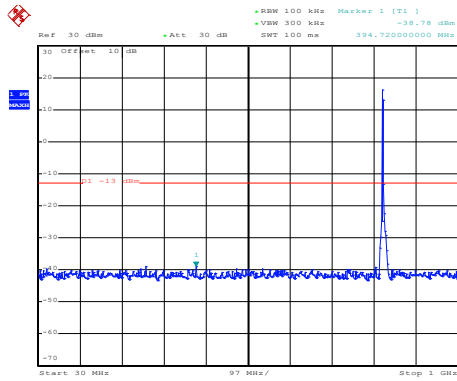
30MHz~1GHz



Date: 9.OCT.2019 19:23:52

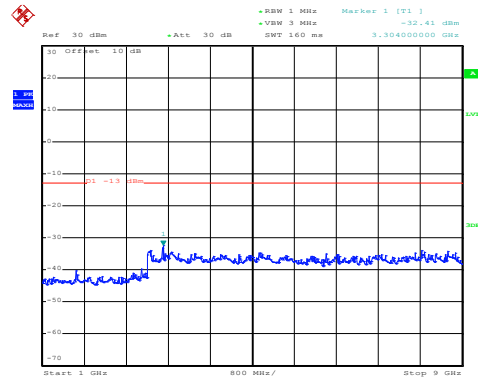
1GHz~9GHz

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



Date: 8.OCT.2019 17:33:30

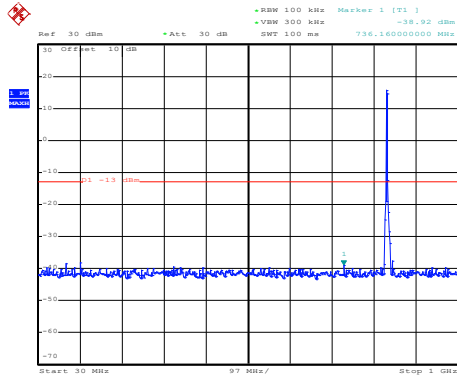
30MHz~1GHz



Date: 9.OCT.2019 19:26:45

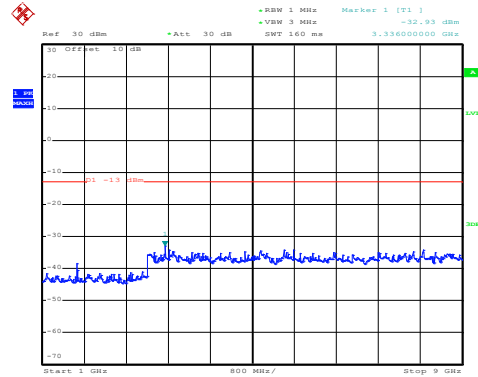
1GHz~9GHz

Middle channel



Date: 8.OCT.2019 17:34:33

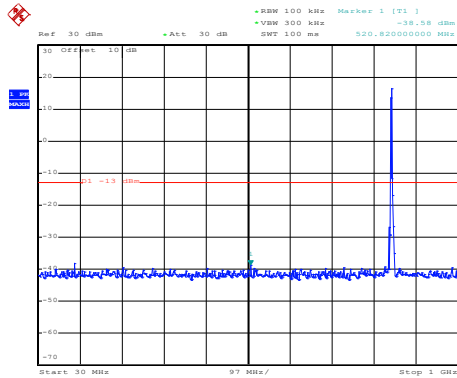
30MHz~1GHz



Date: 9.OCT.2019 19:27:25

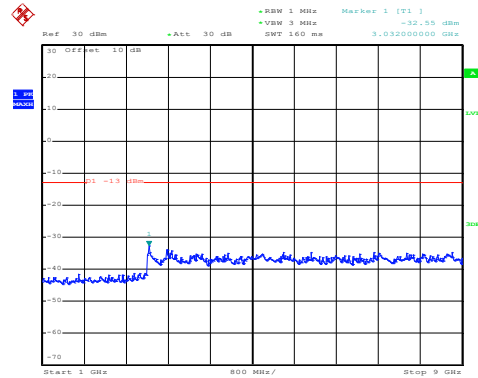
1GHz~9GHz

High channel



Date: 8.OCT.2019 17:35:02

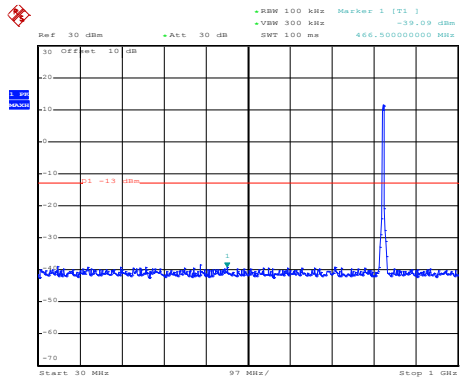
30MHz~1GHz



Date: 9.OCT.2019 19:27:41

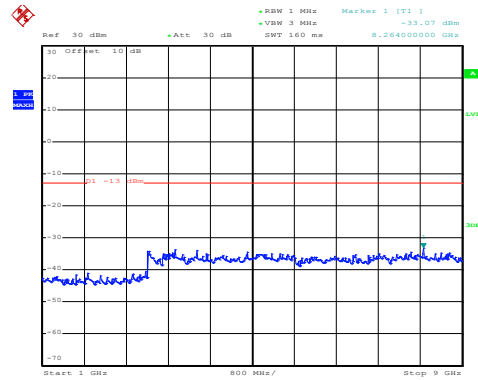
1GHz~9GHz

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



Date: 8.OCT.2019 17:33:52

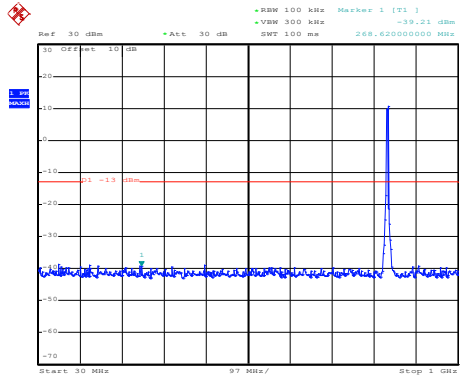
30MHz~1GHz



Date: 9.OCT.2019 19:26:59

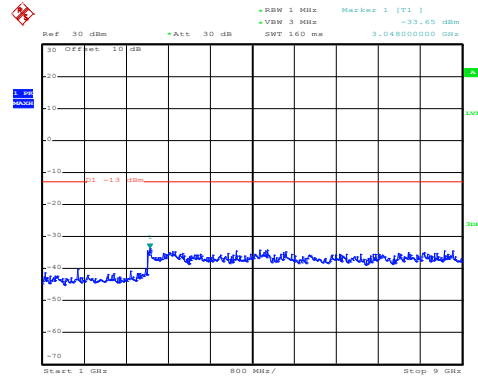
1GHz~9GHz

Middle channel



Date: 8.OCT.2019 17:34:12

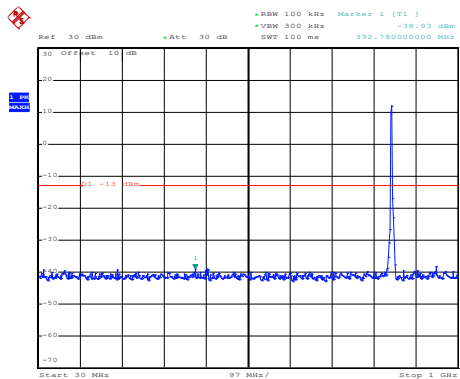
30MHz~1GHz



Date: 9.OCT.2019 19:27:13

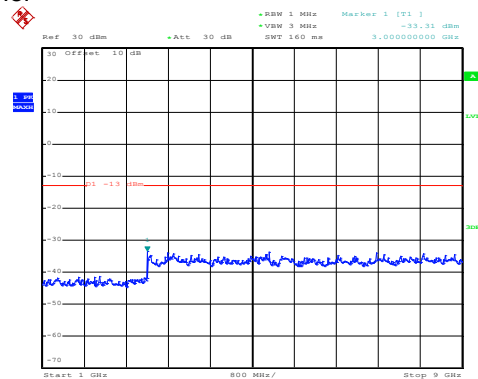
1GHz~9GHz

High channel



Date: 8.OCT.2019 17:35:28

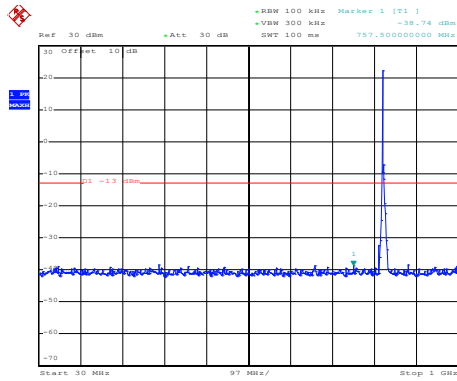
30MHz~1GHz



Date: 9.OCT.2019 19:27:55

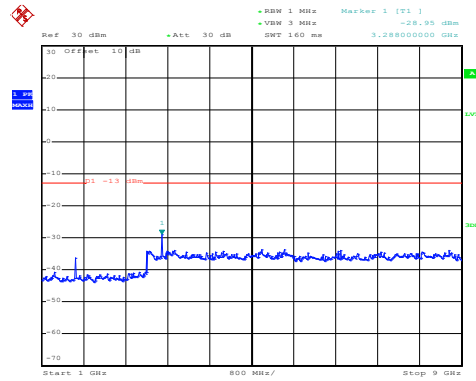
1GHz~9GHz

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



Date: 8.OCT.2019 17:33:23

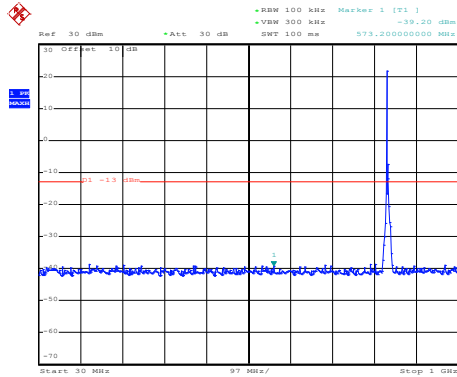
30MHz~1GHz



Date: 9.OCT.2019 19:26:41

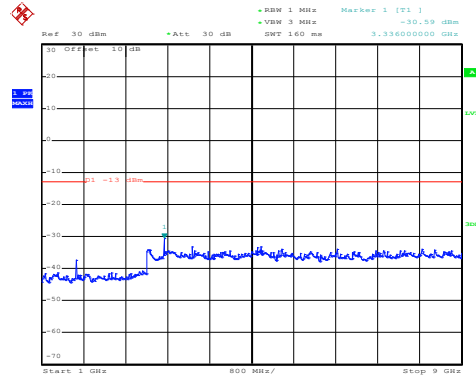
1GHz~9GHz

Middle channel



Date: 8.OCT.2019 17:34:25

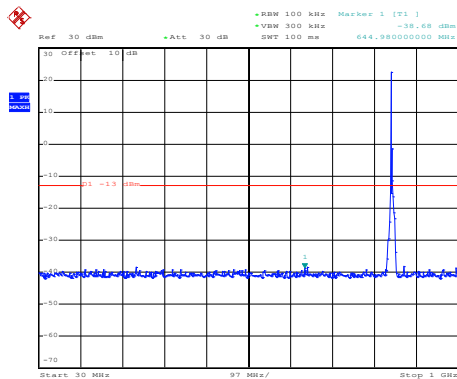
30MHz~1GHz



Date: 9.OCT.2019 19:27:21

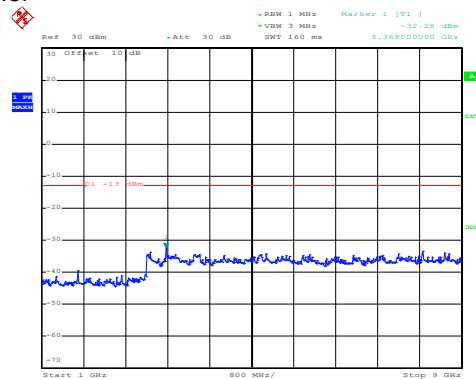
1GHz~9GHz

High channel



Date: 8.OCT.2019 17:34:55

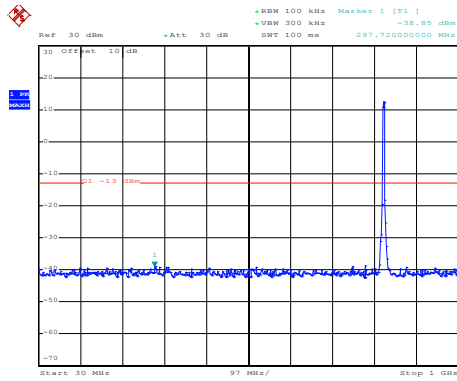
30MHz~1GHz



Date: 9.OCT.2019 19:27:37

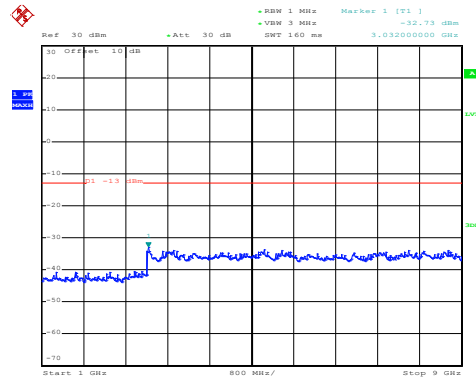
1GHz~9GHz

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



Date: 8.OCT.2019 17:33:41

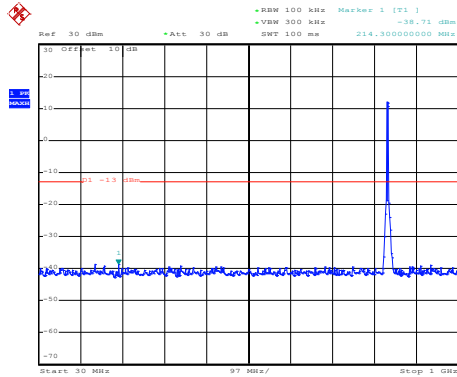
30MHz~1GHz



Date: 9.OCT.2019 19:26:54

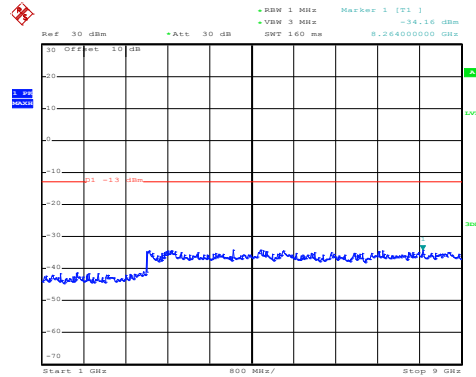
1GHz~9GHz

Middle channel



Date: 8.OCT.2019 17:34:04

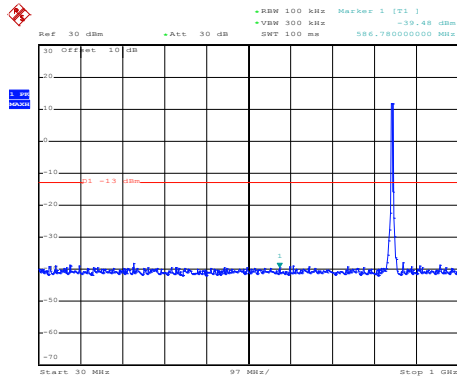
30MHz~1GHz



Date: 9.OCT.2019 19:27:09

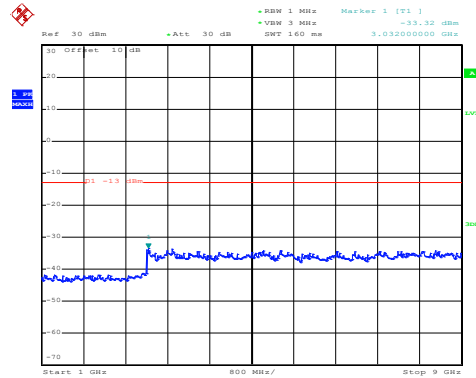
1GHz~9GHz

High channel



Date: 8.OCT.2019 17:35:18

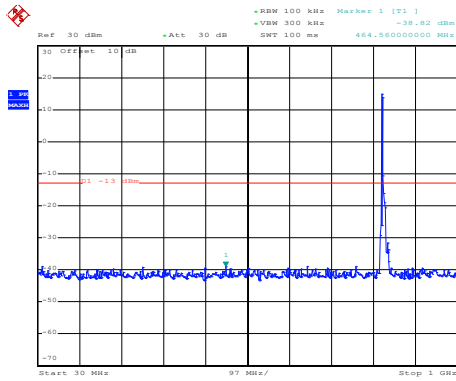
30MHz~1GHz



Date: 9.OCT.2019 19:27:49

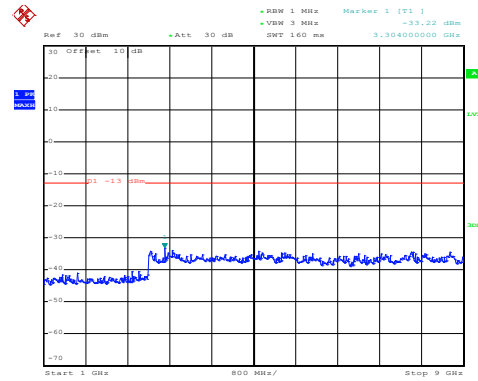
1GHz~9GHz

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



Date: 8.OCT.2019 17:36:09

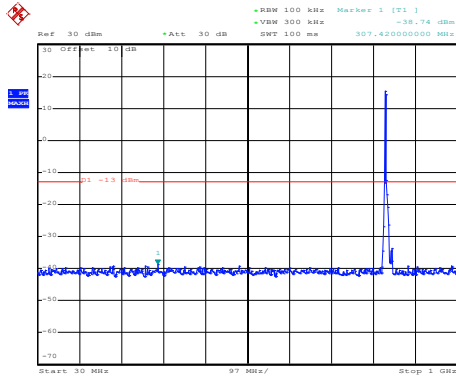
30MHz~1GHz



Date: 9.OCT.2019 19:28:22

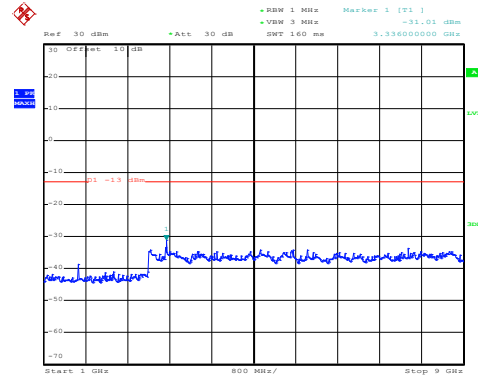
1GHz~9GHz

Middle channel



Date: 8.OCT.2019 17:37:17

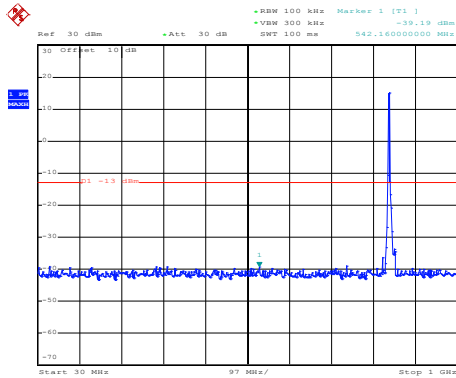
30MHz~1GHz



Date: 9.OCT.2019 19:29:11

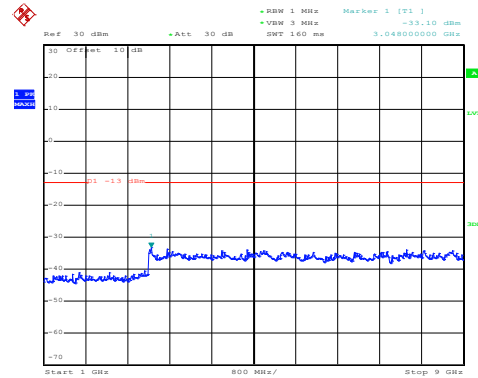
1GHz~9GHz

High channel



Date: 8.OCT.2019 17:37:41

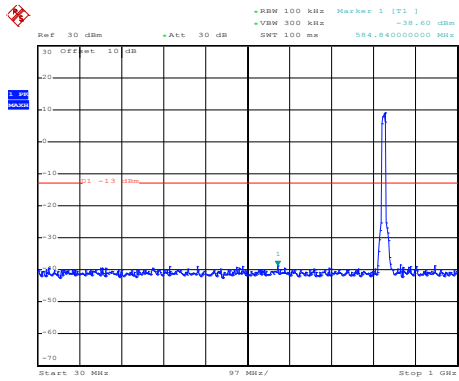
30MHz~1GHz



Date: 9.OCT.2019 19:29:31

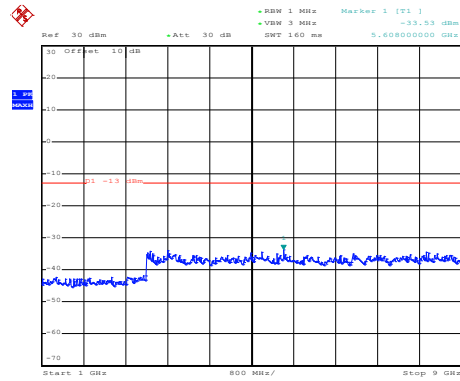
1GHz~9GHz

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



Date: 8.OCT.2019 17:36:33

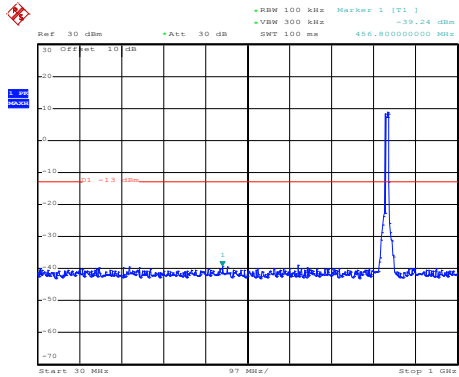
30MHz~1GHz



Date: 9.OCT.2019 19:28:34

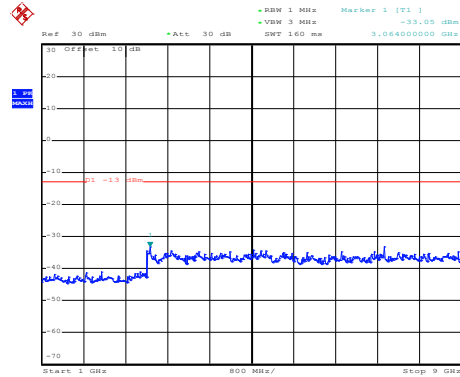
1GHz~9GHz

Middle channel



Date: 8.OCT.2019 17:36:53

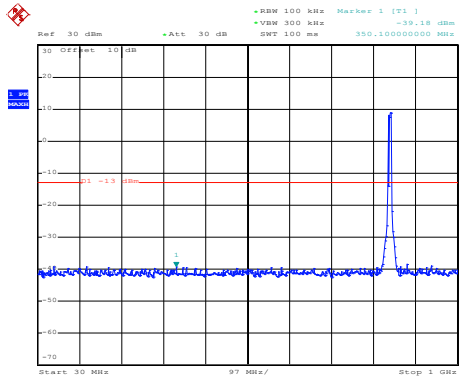
30MHz~1GHz



Date: 9.OCT.2019 19:28:58

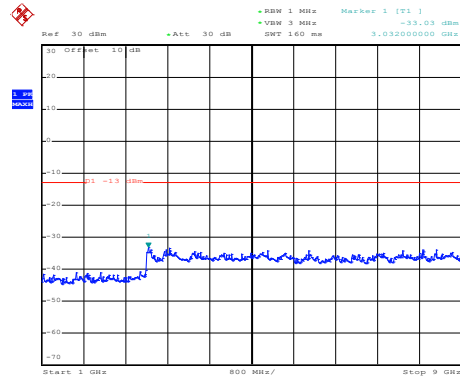
1GHz~9GHz

High channel



Date: 8.OCT.2019 17:38:07

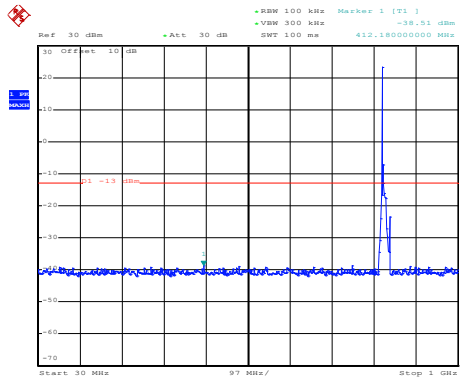
30MHz~1GHz



Date: 9.OCT.2019 19:29:52

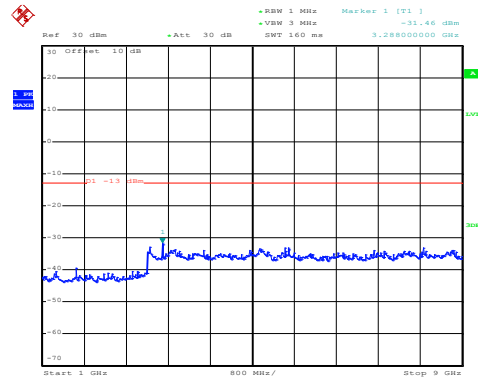
1GHz~9GHz

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



Date: 8.OCT.2019 17:36:01

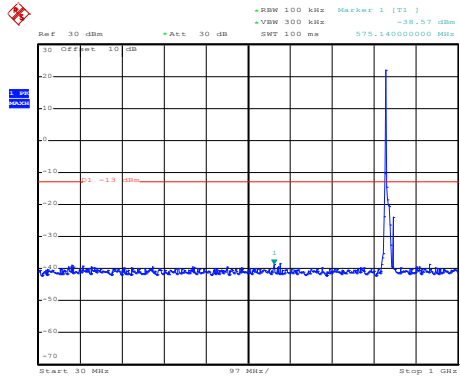
30MHz~1GHz



Date: 9.OCT.2019 19:28:18

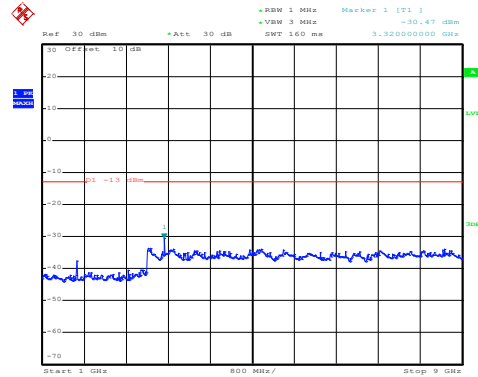
1GHz~9GHz

Middle channel



Date: 8.OCT.2019 17:37:05

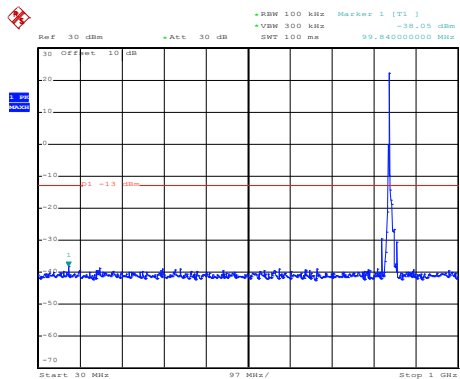
30MHz~1GHz



Date: 9.OCT.2019 19:29:06

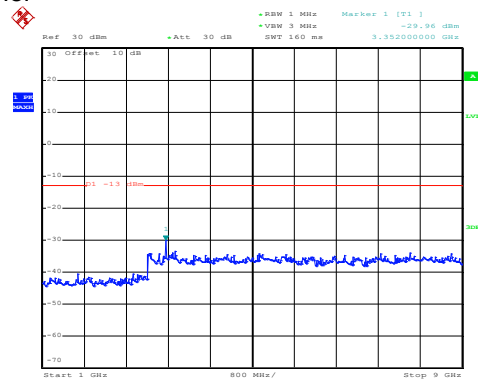
1GHz~9GHz

High channel



Date: 8.OCT.2019 17:37:33

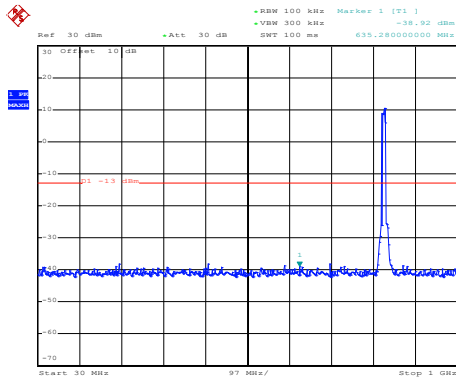
30MHz~1GHz



Date: 9.OCT.2019 19:29:37

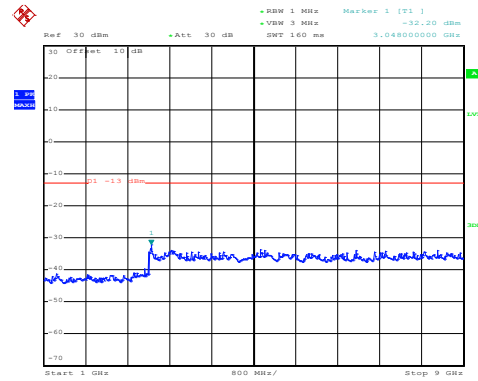
1GHz~9GHz

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



Date: 8.OCT.2019 17:36:21

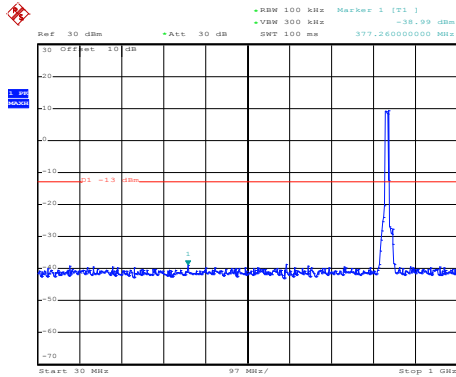
30MHz~1GHz



Date: 9.OCT.2019 19:28:30

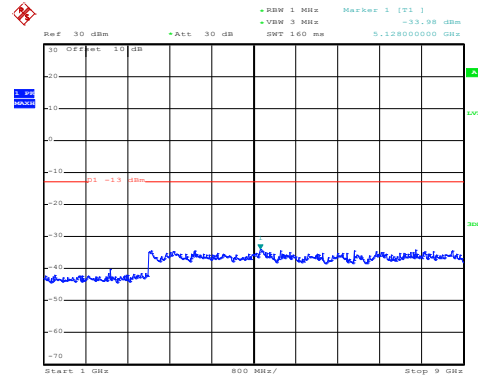
1GHz~9GHz

Middle channel



Date: 8.OCT.2019 17:36:46

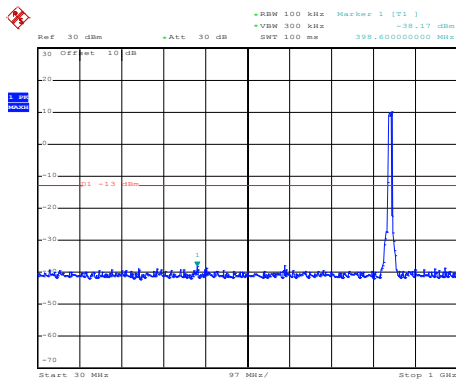
30MHz~1GHz



Date: 9.OCT.2019 19:28:53

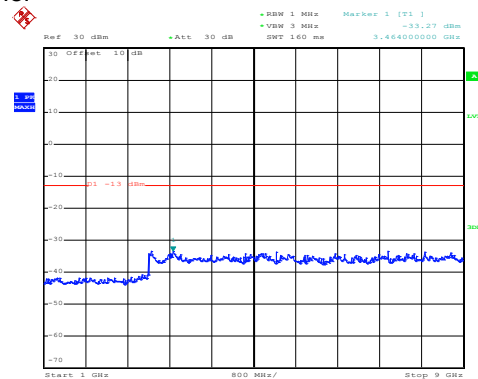
1GHz~9GHz

High channel



Date: 8.OCT.2019 17:37:55

30MHz~1GHz

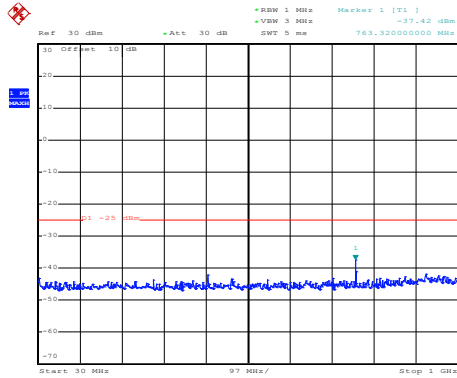


Date: 9.OCT.2019 19:29:47

1GHz~9GHz

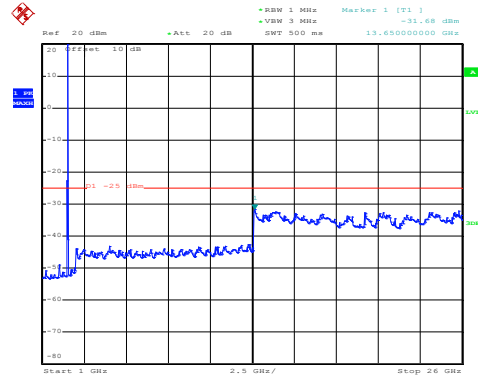
LTE Band 7 part:

LTE Band 7: 16 QAM & RB Size 1 BW: 5MHz Lowest channel



Date: 8.OCT.2019 17:25:29

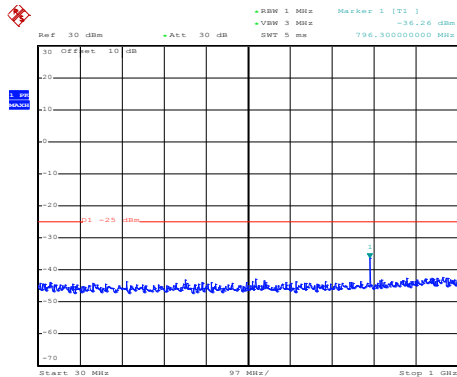
30MHz~1GHz



Date: 9.OCT.2019 19:31:15

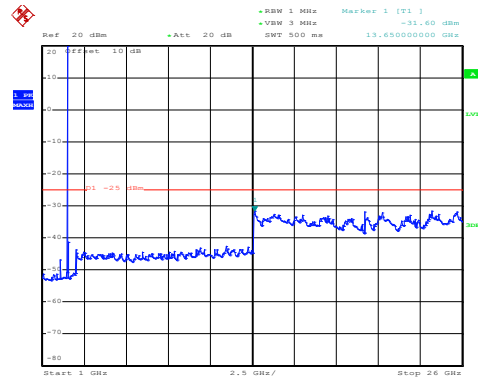
1GHz~25GHz

Middle channel



Date: 8.OCT.2019 17:26:06

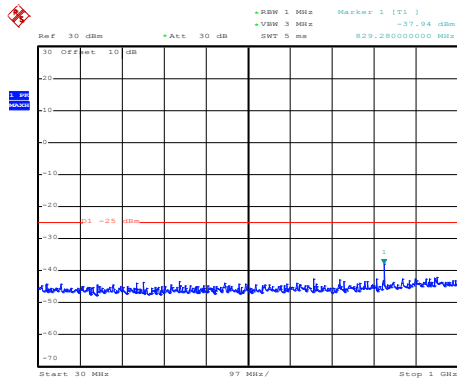
30MHz~1GHz



Date: 9.OCT.2019 19:33:39

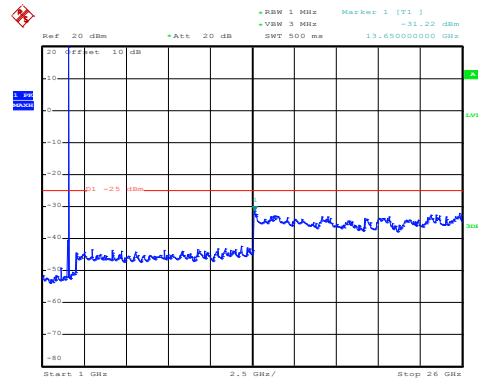
1GHz~25GHz

High channel



Date: 8.OCT.2019 17:26:21

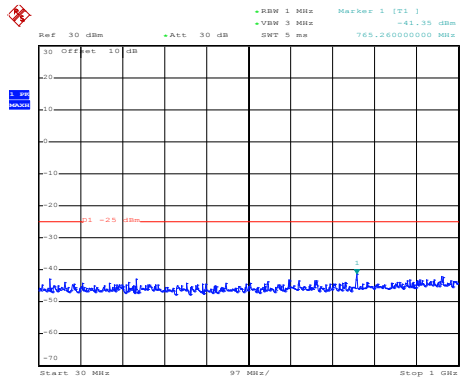
30MHz~1GHz



Date: 9.OCT.2019 19:33:59

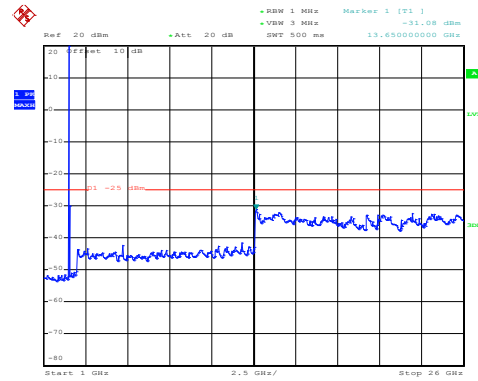
1GHz~25GHz

LTE Band 7: 16 QAM & RB Size 25 BW: 5MHz Lowest channel



Date: 8.OCT.2019 17:25:42

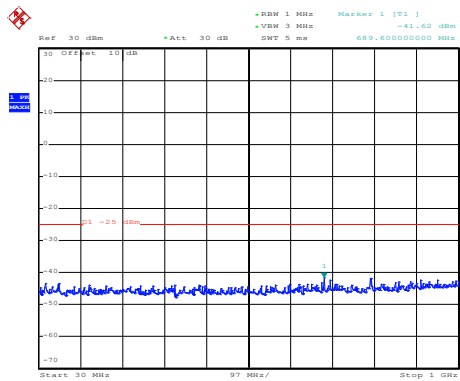
30MHz~1GHz



Date: 9.OCT.2019 19:32:51

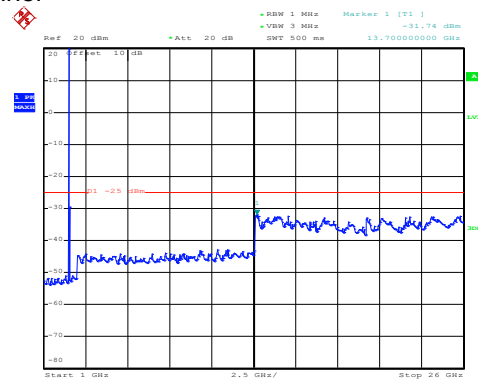
1GHz~25GHz

Middle channel



Date: 8.OCT.2019 17:25:55

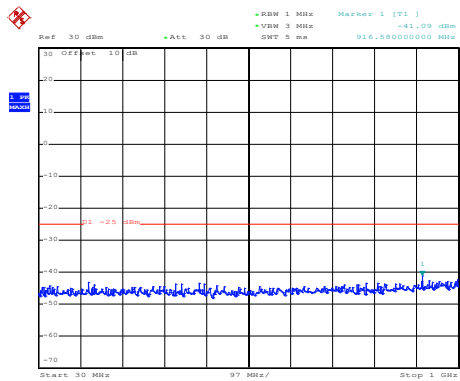
30MHz~1GHz



Date: 9.OCT.2019 19:33:20

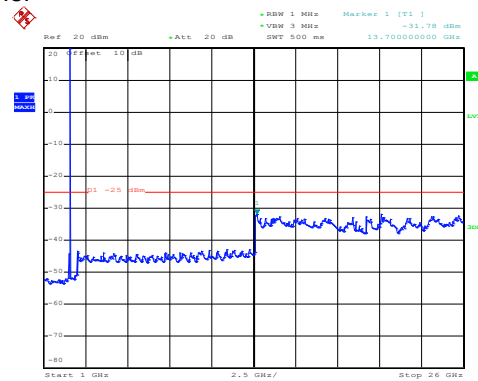
1GHz~25GHz

High channel



Date: 8.OCT.2019 17:26:34

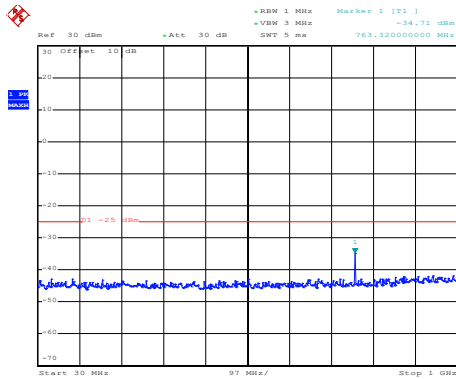
30MHz~1GHz



Date: 9.OCT.2019 19:34:17

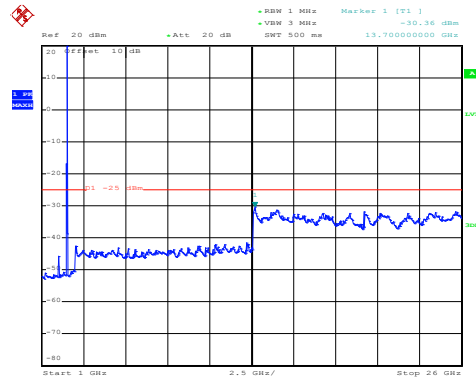
1GHz~25GHz

LTE Band 7: QPSK & RB Size 1 BW: 5MHz Lowest channel



Date: 8.OCT.2019 17:25:24

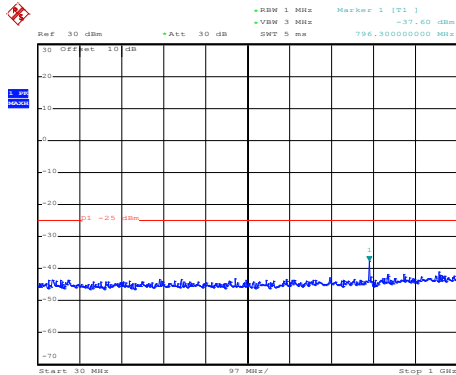
30MHz~1GHz



Date: 9.OCT.2019 19:31:05

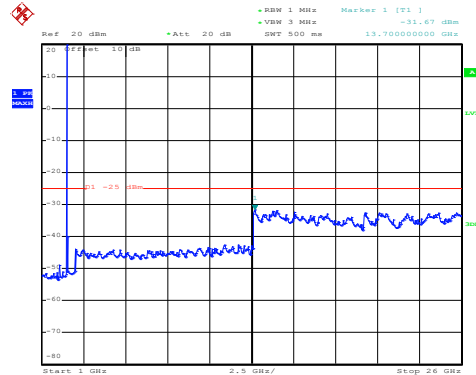
1GHz~25GHz

Middle channel



Date: 8.OCT.2019 17:26:02

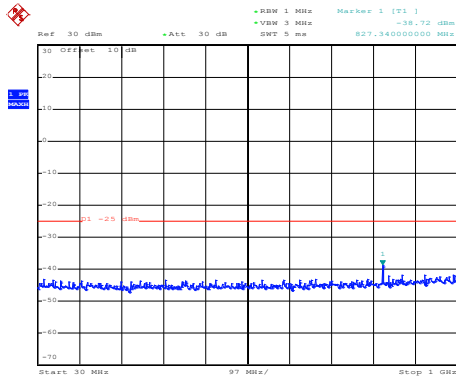
30MHz~1GHz



Date: 9.OCT.2019 19:33:31

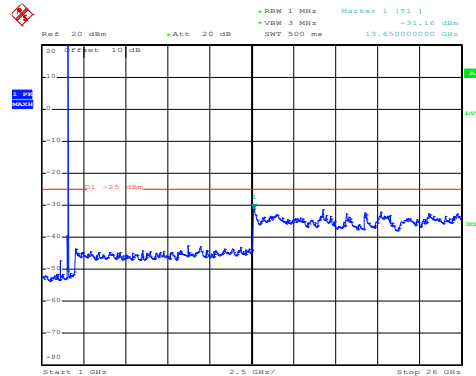
1GHz~25GHz

High channel



Date: 8.OCT.2019 17:26:17

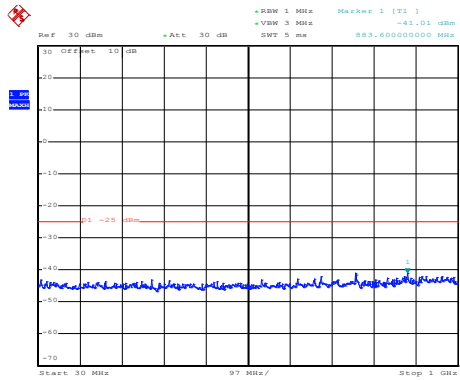
30MHz~1GHz



Date: 9.OCT.2019 19:33:51

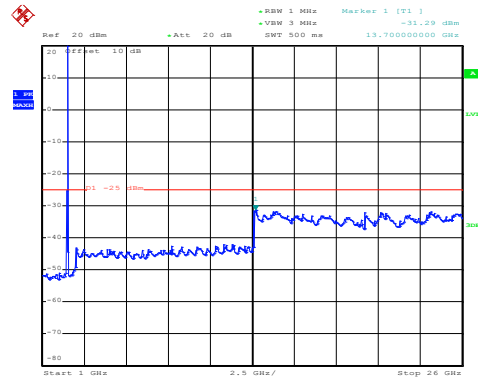
1GHz~25GHz

LTE Band 7: QPSK & RB Size 25 BW: 5MHz Lowest channel



Date: 8.OCT.2019 17:25:37

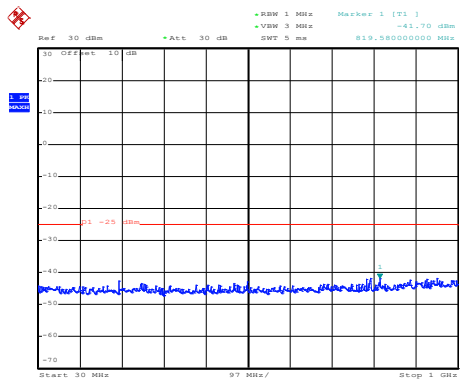
30MHz~1GHz



Date: 9.OCT.2019 19:31:44

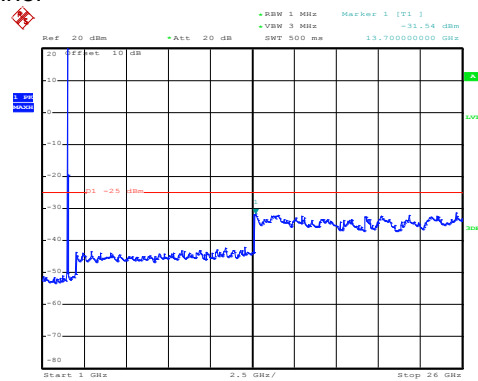
1GHz~25GHz

Middle channel



Date: 8.OCT.2019 17:25:50

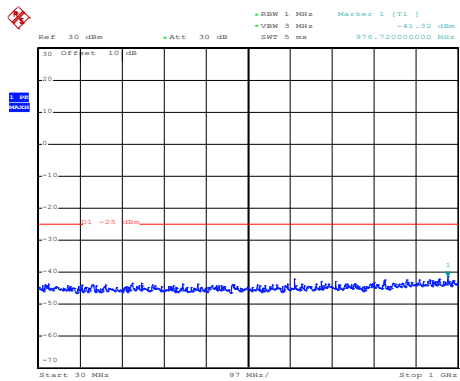
30MHz~1GHz



Date: 9.OCT.2019 19:33:12

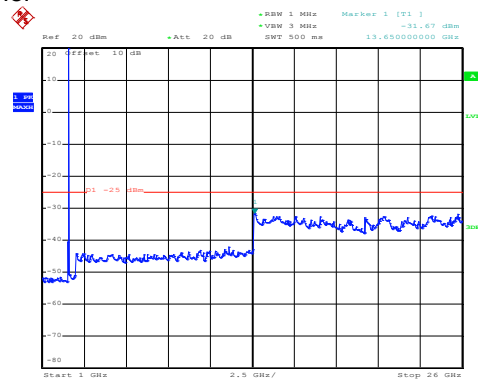
1GHz~25GHz

High channel



Date: 8.OCT.2019 17:26:29

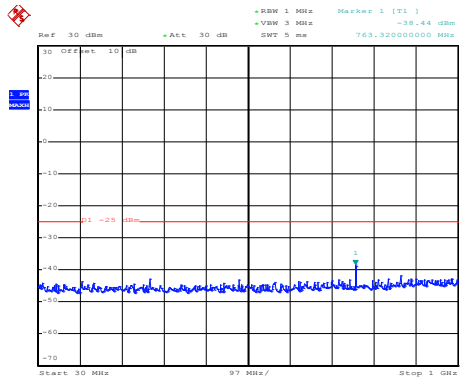
30MHz~1GHz



Date: 9.OCT.2019 19:34:09

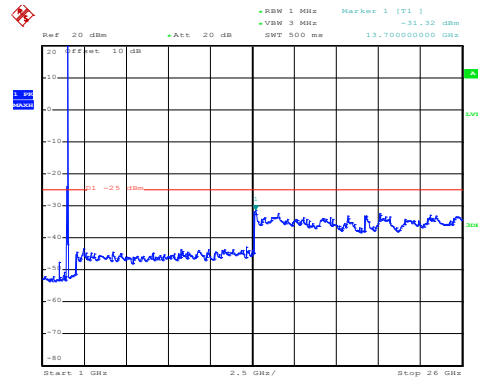
1GHz~25GHz

LTE Band 7: 16 QAM & RB Size 1 BW: 10MHz Lowest channel



Date: 8.OCT.2019 17:23:51

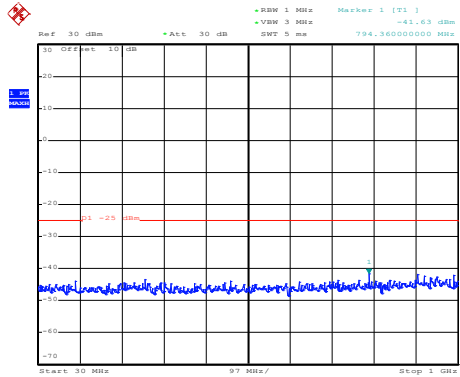
30MHz~1GHz



Date: 9.OCT.2019 19:34:53

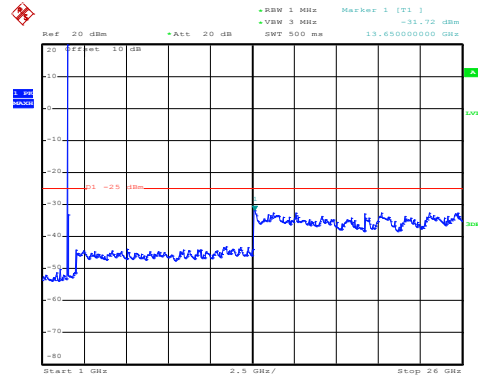
1GHz~25GHz

Middle channel



Date: 8.OCT.2019 17:24:28

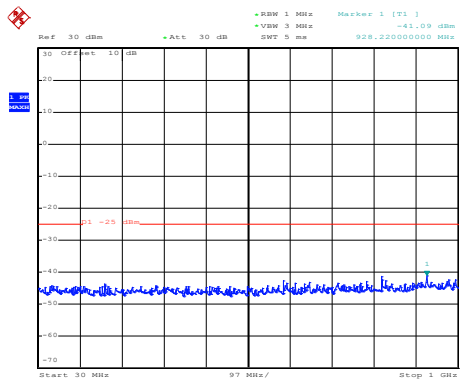
30MHz~1GHz



Date: 9.OCT.2019 19:35:50

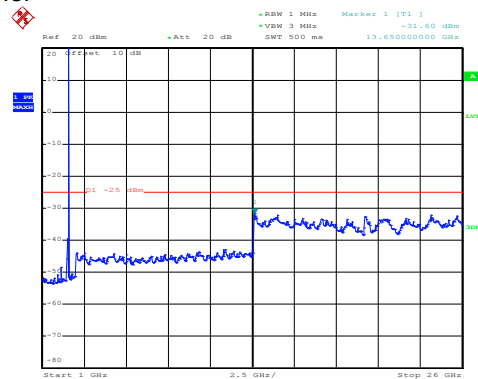
1GHz~25GHz

High channel



Date: 8.OCT.2019 17:24:45

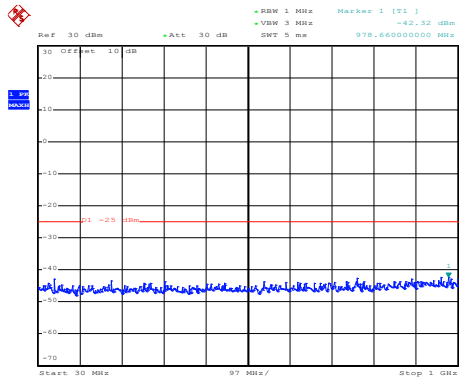
30MHz~1GHz



Date: 9.OCT.2019 19:36:13

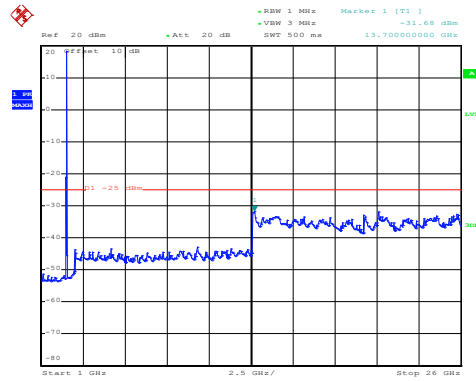
1GHz~25GHz

LTE Band 7: 16 QAM & RB Size 50 BW: 10MHz Lowest channel



Date: 8.OCT.2019 17:24:03

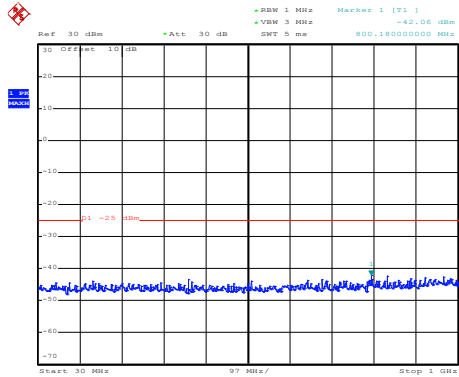
30MHz~1GHz



Date: 9.OCT.2019 19:35:09

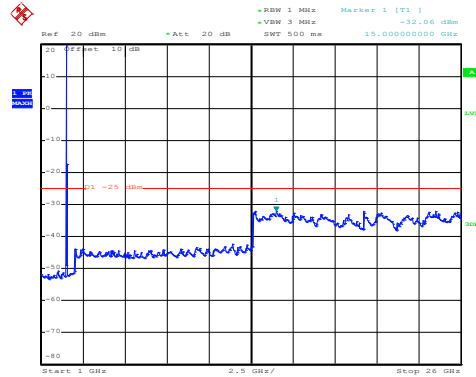
1GHz~25GHz

Middle channel



Date: 8.OCT.2019 17:24:17

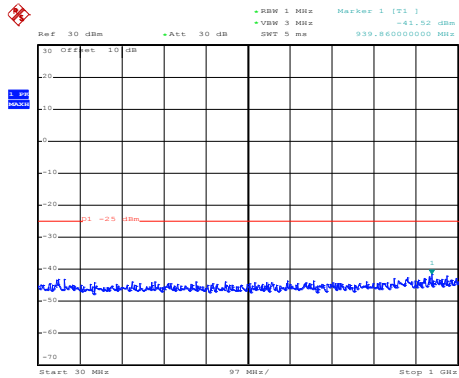
30MHz~1GHz



Date: 9.OCT.2019 19:35:34

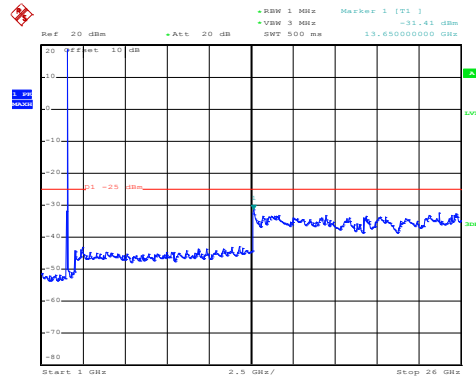
1GHz~25GHz

High channel



Date: 8.OCT.2019 17:24:57

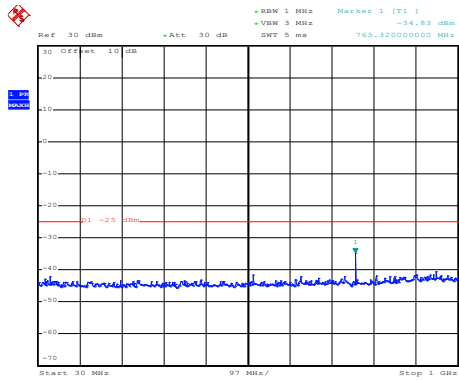
30MHz~1GHz



Date: 9.OCT.2019 19:36:32

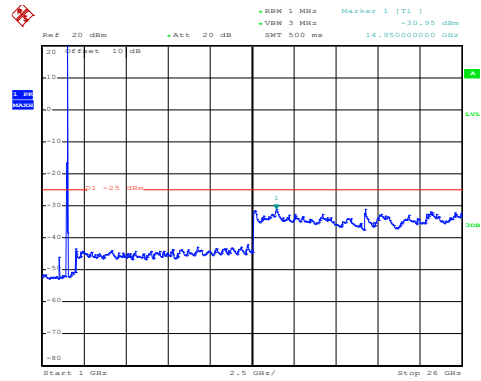
1GHz~25GHz

LTE Band 7: QPSK & RB Size 1 BW: 10MHz Lowest channel



Date: 8.OCT.2019 17:23:46

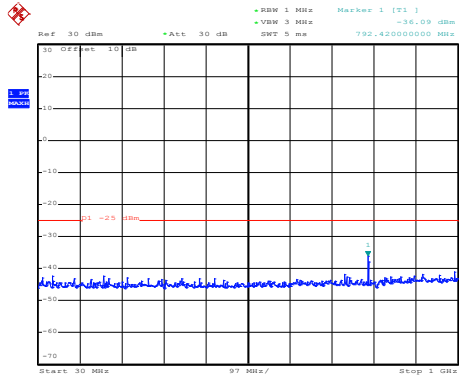
30MHz~1GHz



Date: 9.OCT.2019 19:34:46

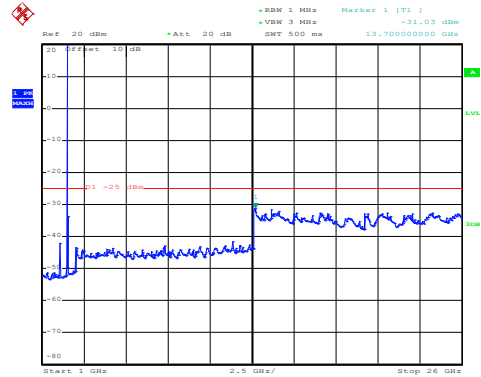
1GHz~25GHz

Middle channel



Date: 8.OCT.2019 17:24:24

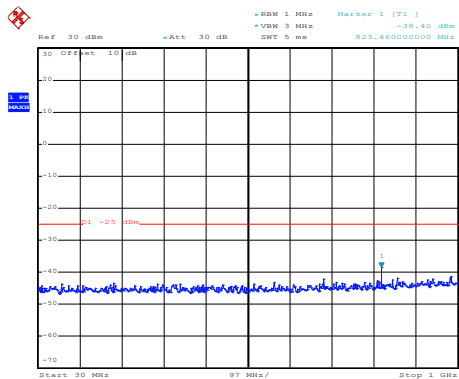
30MHz~1GHz



Date: 9.OCT.2019 19:35:45

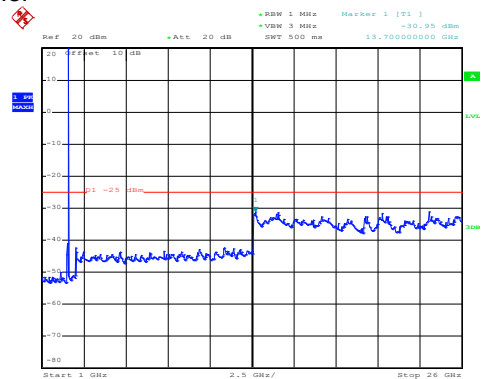
1GHz~25GHz

High channel



Date: 8.OCT.2019 17:24:41

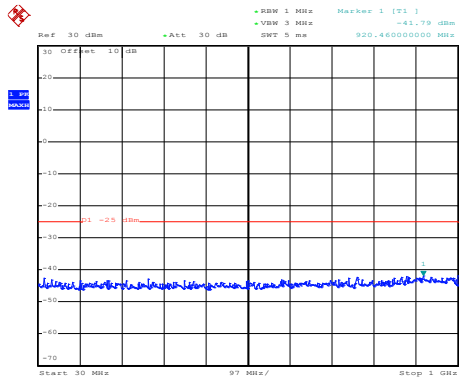
30MHz~1GHz



Date: 9.OCT.2019 19:36:05

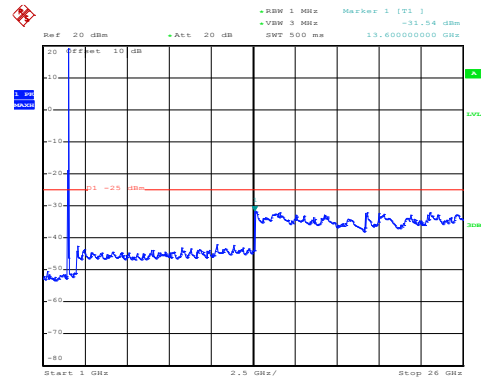
1GHz~25GHz

LTE Band 7: QPSK & RB Size 50 BW: 10MHz Lowest channel



Date: 8.OCT.2019 17:23:59

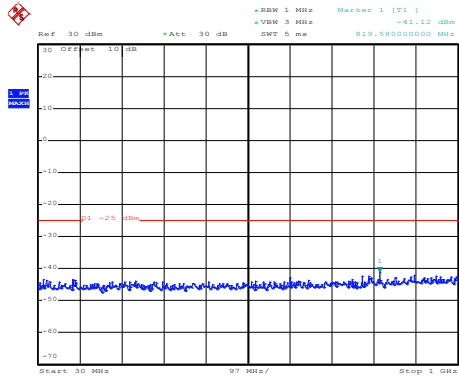
30MHz~1GHz



Date: 9.OCT.2019 19:35:03

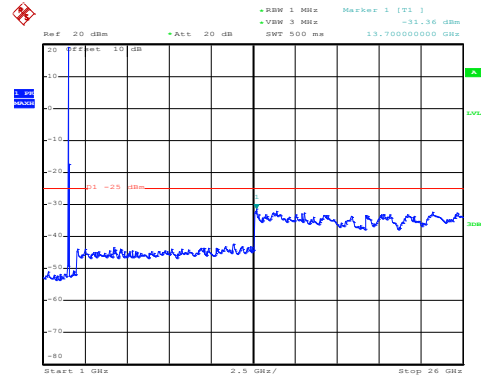
1GHz~25GHz

Middle channel



Date: 8.OCT.2019 17:24:12

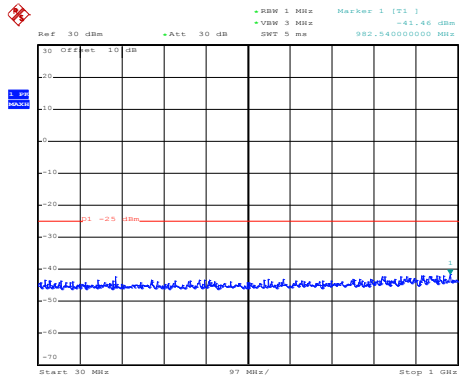
30MHz~1GHz



Date: 9.OCT.2019 19:35:22

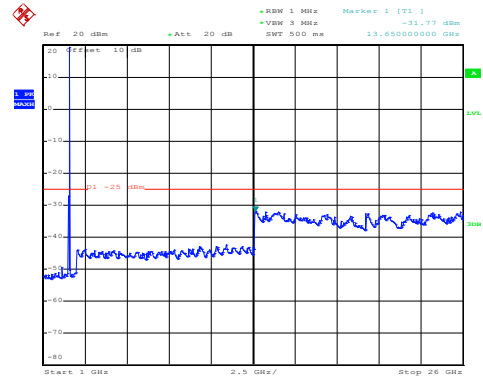
1GHz~25GHz

High channel



Date: 8.OCT.2019 17:24:53

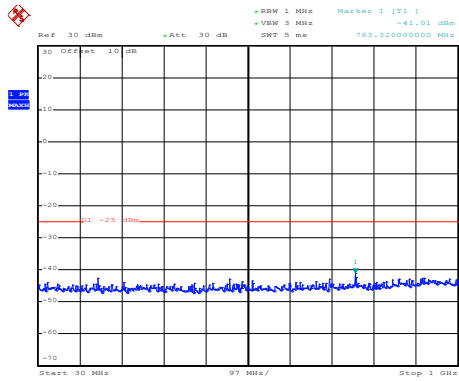
30MHz~1GHz



Date: 9.OCT.2019 19:36:26

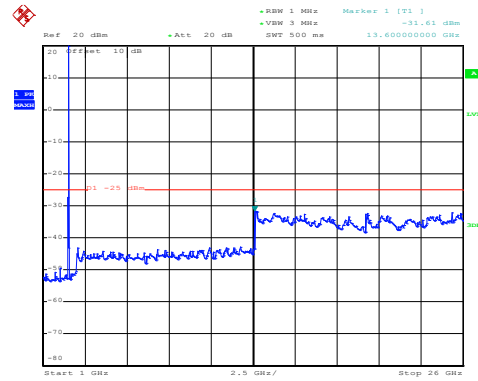
1GHz~25GHz

LTE Band 7: 16 QAM & RB Size 1 BW: 15MHz Lowest channel



Date: 8.OCT.2019 17:21:53

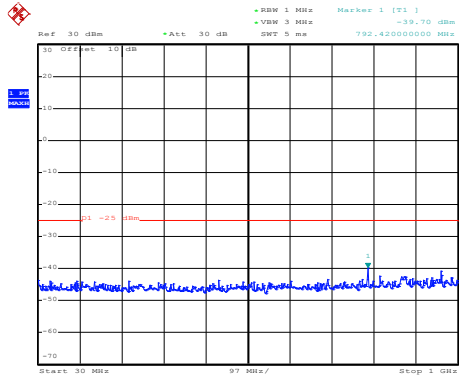
30MHz~1GHz



Date: 9.OCT.2019 19:37:35

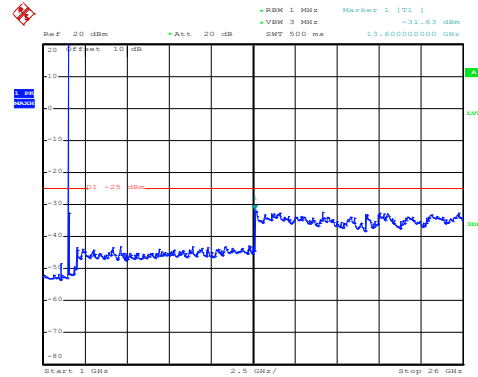
1GHz~25GHz

Middle channel



Date: 8.OCT.2019 17:22:32

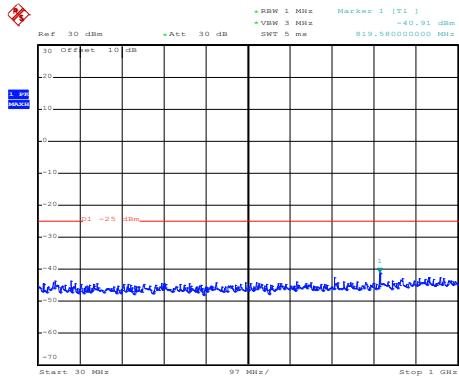
30MHz~1GHz



Date: 9.OCT.2019 19:38:37

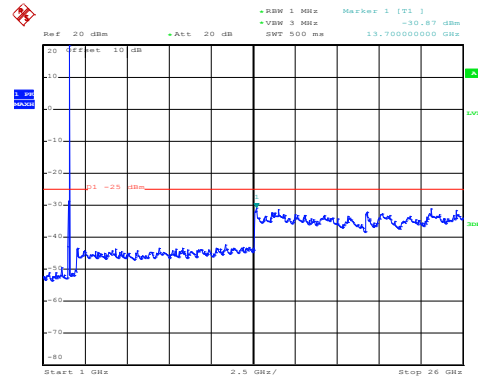
1GHz~25GHz

High channel



Date: 8.OCT.2019 17:22:50

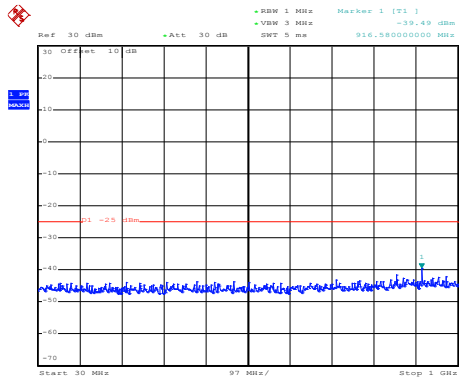
30MHz~1GHz



Date: 9.OCT.2019 19:39:04

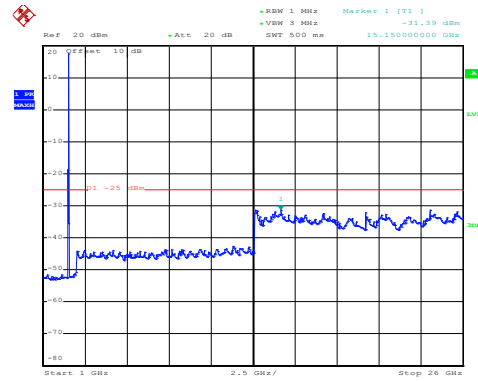
1GHz~25GHz

LTE Band 7: 16 QAM & RB Size 75 BW: 15MHz Lowest channel



Date: 8.OCT.2019 17:22:05

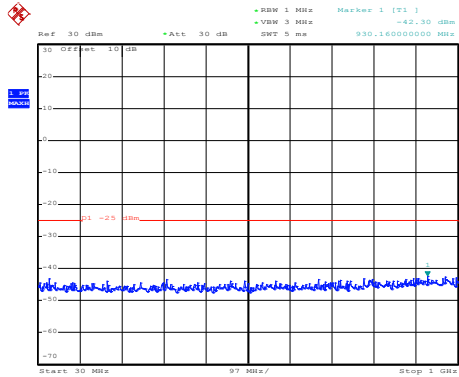
30MHz~1GHz



Date: 9.OCT.2019 19:37:56

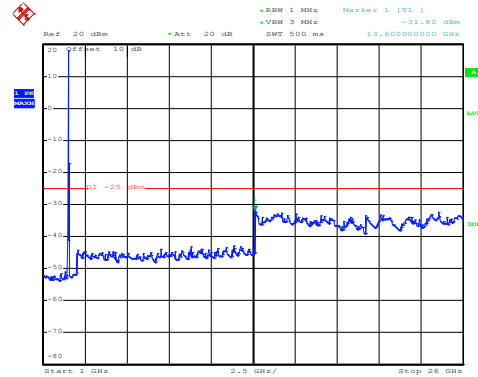
1GHz~25GHz

Middle channel



Date: 8.OCT.2019 17:22:18

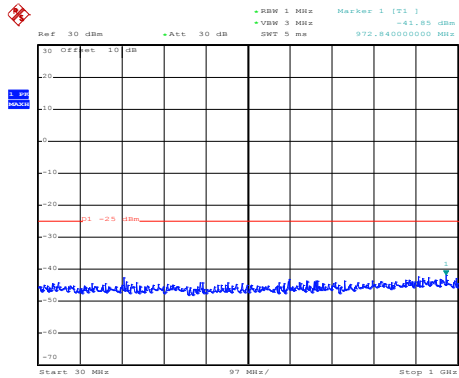
30MHz~1GHz



Date: 9.OCT.2019 19:38:21

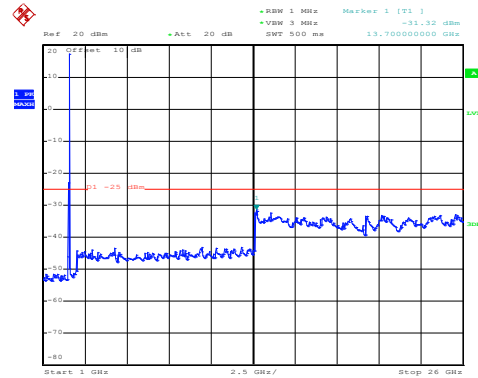
1GHz~25GHz

High channel



Date: 8.OCT.2019 17:23:02

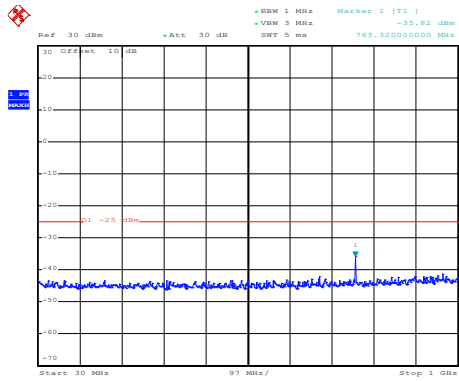
30MHz~1GHz



Date: 9.OCT.2019 19:39:21

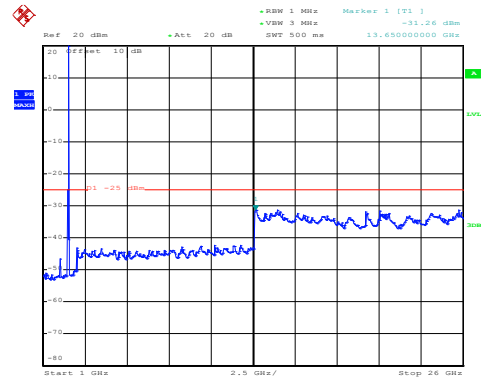
1GHz~25GHz

LTE Band 7: QPSK & RB Size 1 BW: 15MHz Lowest channel



Date: 8.OCT.2019 17:21:48

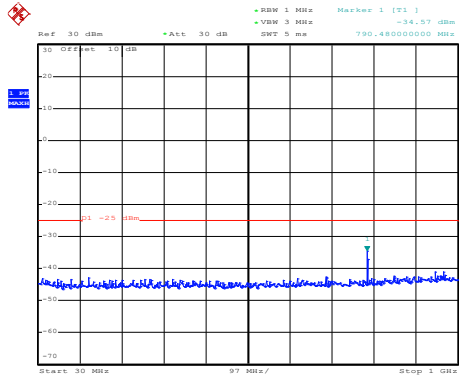
30MHz~1GHz



Date: 9.OCT.2019 19:37:27

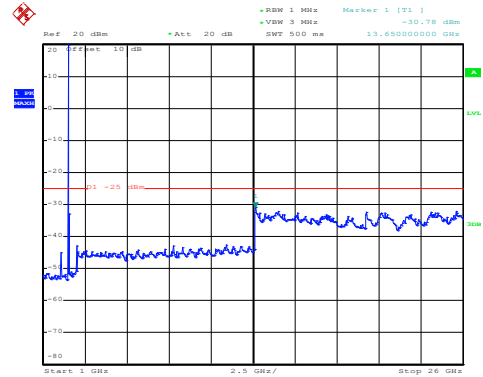
1GHz~25GHz

Middle channel



Date: 8.OCT.2019 17:22:28

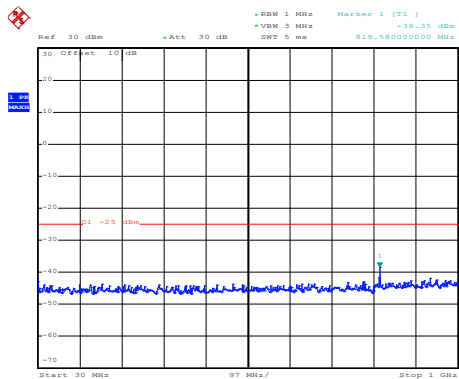
30MHz~1GHz



Date: 9.OCT.2019 19:38:30

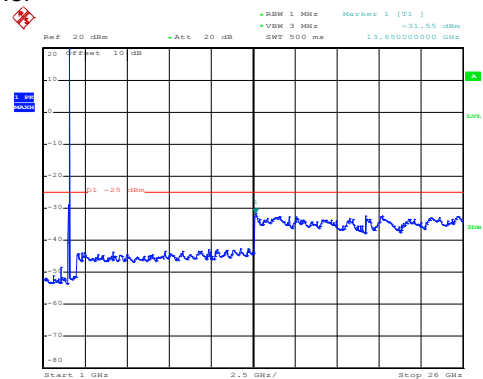
1GHz~25GHz

High channel



Date: 8.OCT.2019 17:22:46

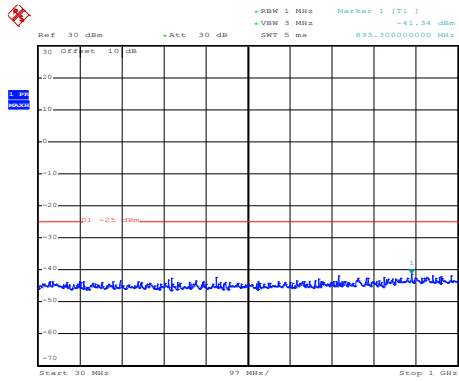
30MHz~1GHz



Date: 9.OCT.2019 19:38:53

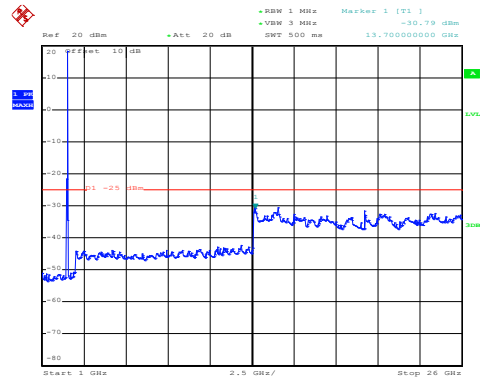
1GHz~25GHz

LTE Band 7: QPSK & RB Size 75 BW: 15MHz Lowest channel



Date: 8.OCT.2019 17:22:00

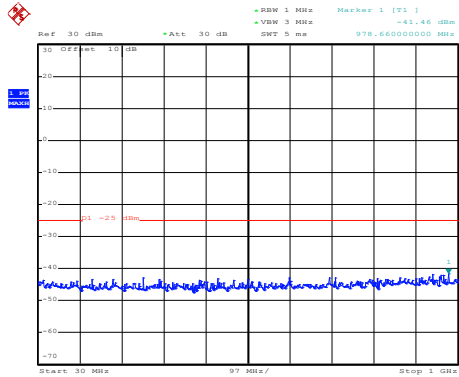
30MHz~1GHz



Date: 9.OCT.2019 19:37:45

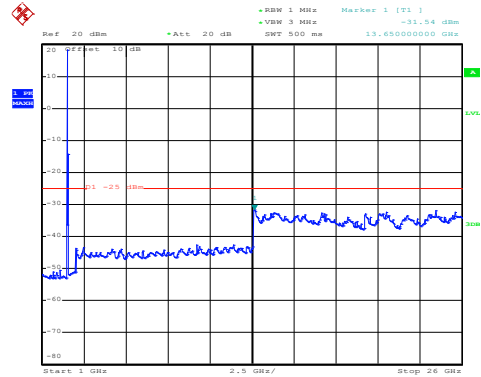
1GHz~25GHz

Middle channel



Date: 8.OCT.2019 17:22:14

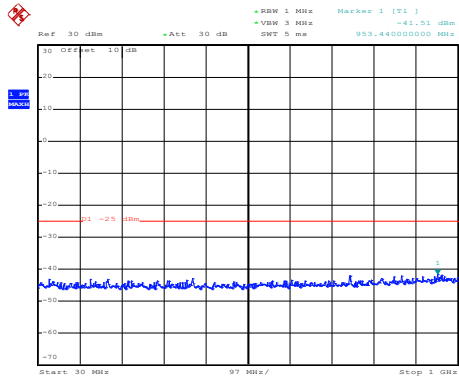
30MHz~1GHz



Date: 9.OCT.2019 19:38:15

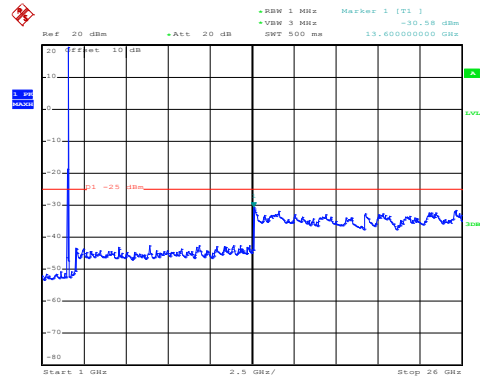
1GHz~25GHz

High channel



Date: 8.OCT.2019 17:22:58

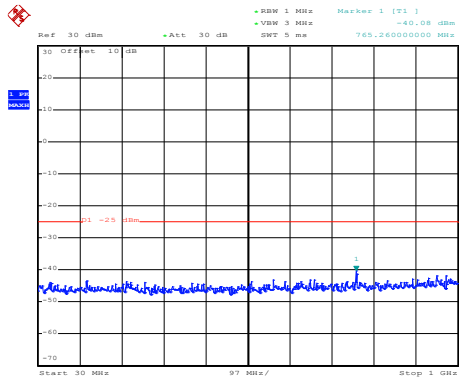
30MHz~1GHz



Date: 9.OCT.2019 19:39:15

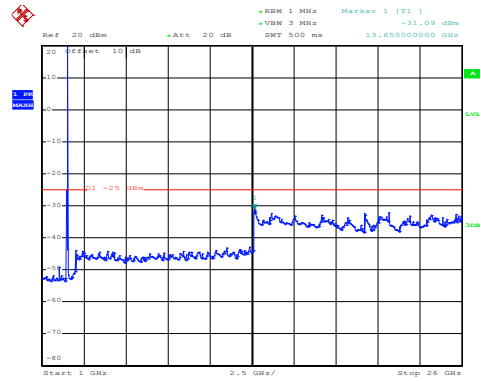
1GHz~25GHz

LTE Band 7: 16 QAM & RB Size 1 BW: 20MHz Lowest channel



Date: 8.OCT.2019 17:21:07

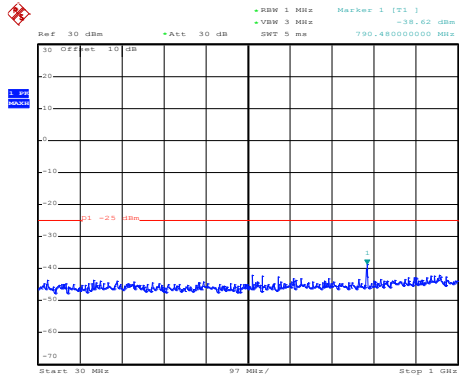
30MHz~1GHz



Date: 9.OCT.2019 19:39:54

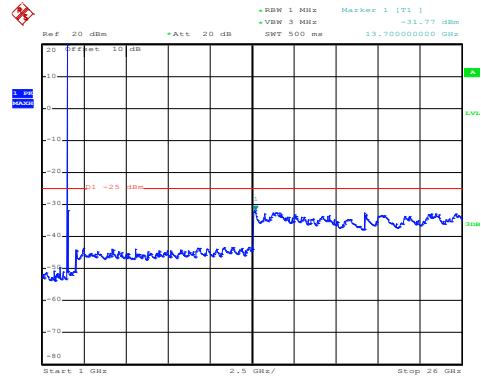
1GHz~25GHz

Middle channel



Date: 8.OCT.2019 17:20:46

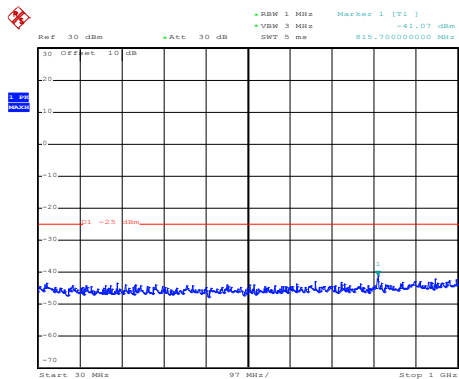
30MHz~1GHz



Date: 9.OCT.2019 19:41:03

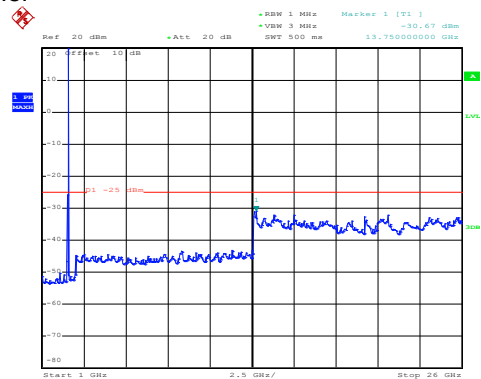
1GHz~25GHz

High channel



Date: 8.OCT.2019 17:19:57

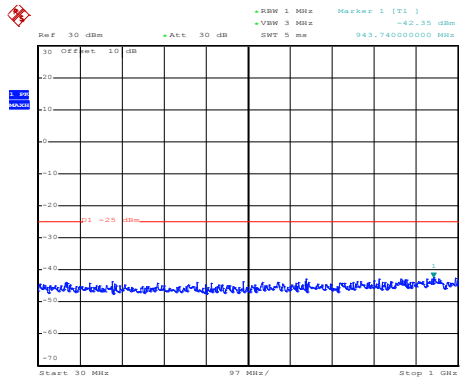
30MHz~1GHz



Date: 9.OCT.2019 19:41:29

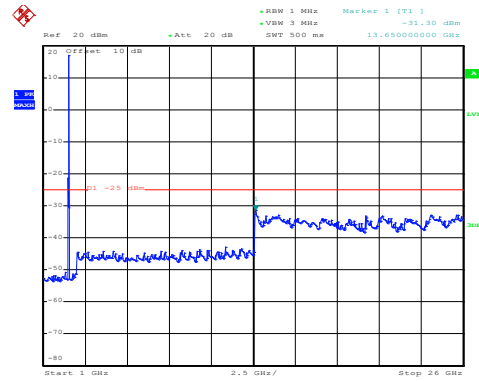
1GHz~25GHz

LTE Band 7: 16 QAM & RB Size 100
 BW: 20MHz
 Lowest channel



Date: 8.OCT.2019 17:21:20

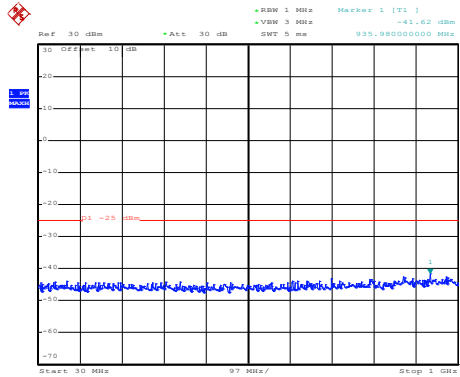
30MHz~1GHz



Date: 9.OCT.2019 19:40:11

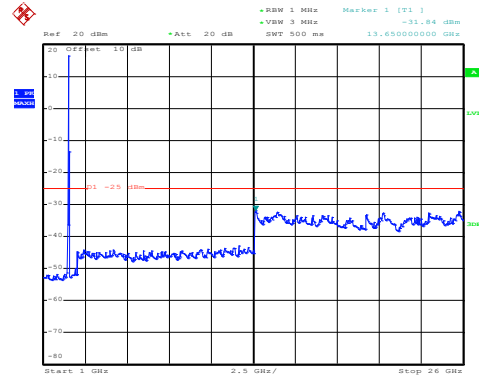
1GHz~25GHz

Middle channel



Date: 8.OCT.2019 17:20:35

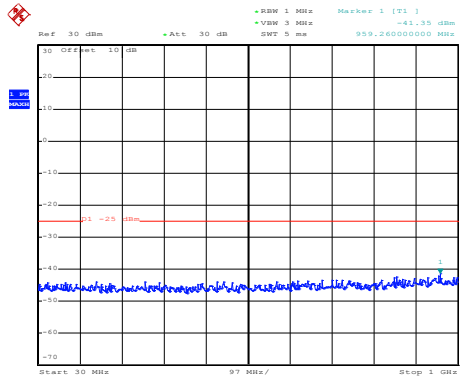
30MHz~1GHz



Date: 9.OCT.2019 19:40:36

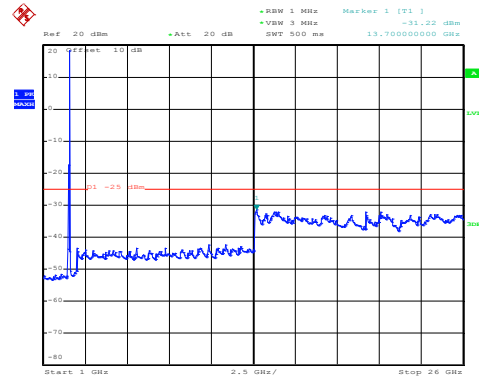
1GHz~25GHz

High channel



Date: 8.OCT.2019 17:20:13

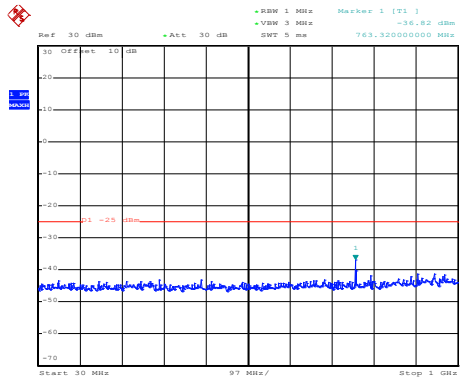
30MHz~1GHz



Date: 9.OCT.2019 19:41:58

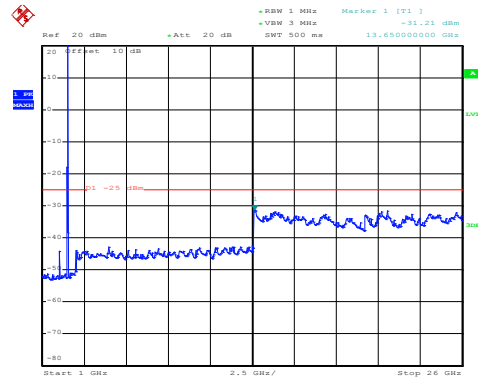
1GHz~25GHz

LTE Band 7: QPSK & RB Size 1 BW: 20MHz Lowest channel



Date: 8.OCT.2019 17:21:03

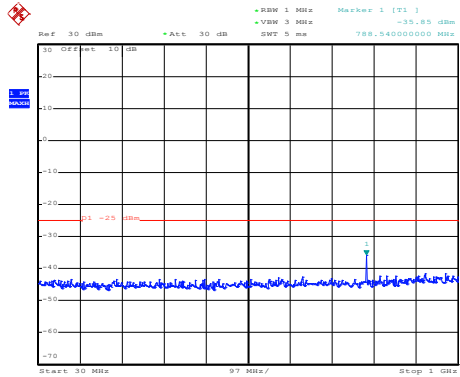
30MHz~1GHz



Date: 9.OCT.2019 19:39:48

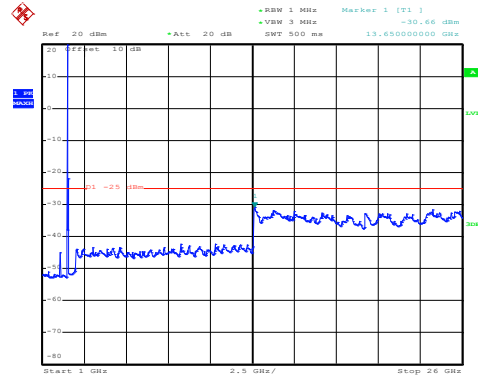
1GHz~25GHz

Middle channel



Date: 8.OCT.2019 17:20:42

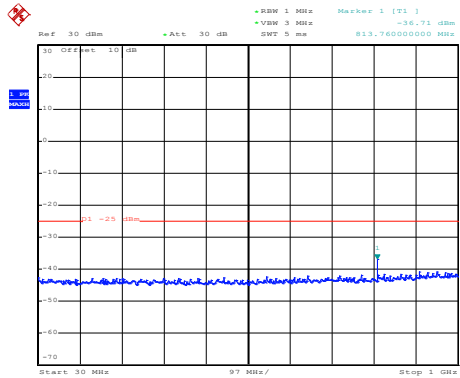
30MHz~1GHz



Date: 9.OCT.2019 19:40:56

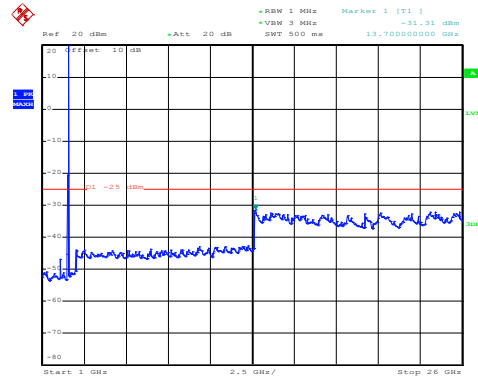
1GHz~25GHz

High channel



Date: 8.OCT.2019 17:19:50

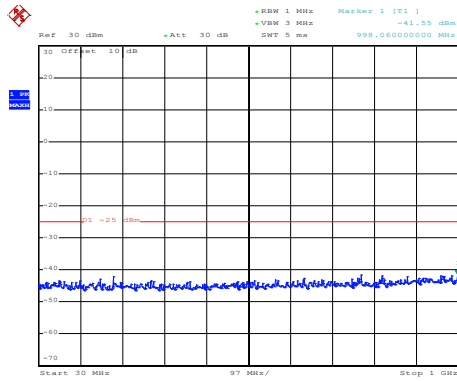
30MHz~1GHz



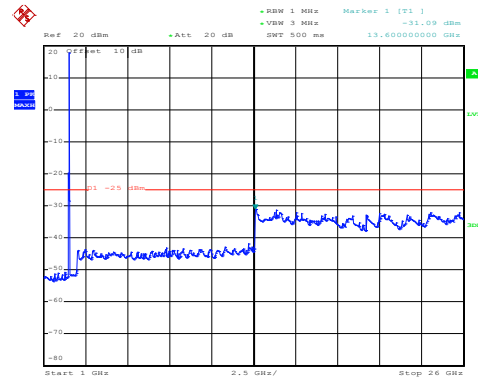
Date: 9.OCT.2019 19:41:23

1GHz~25GHz

LTE Band 7: QPSK & RB Size 100 BW: 20MHz Lowest channel

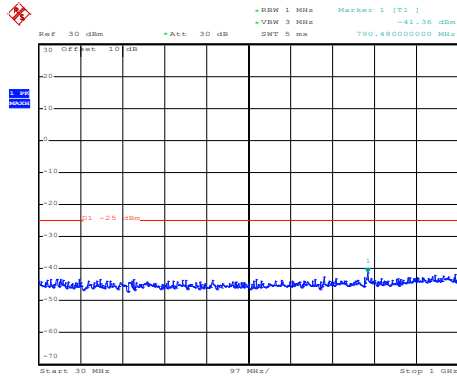


30MHz~1GHz

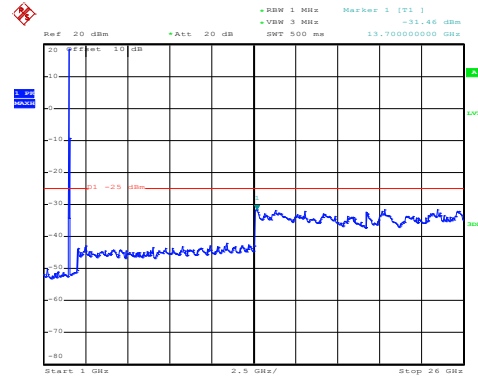


1GHz~25GHz

Middle channel

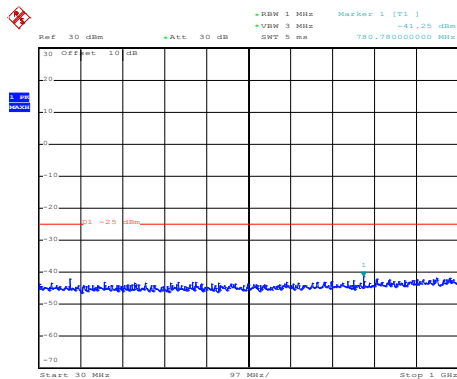


30MHz~1GHz

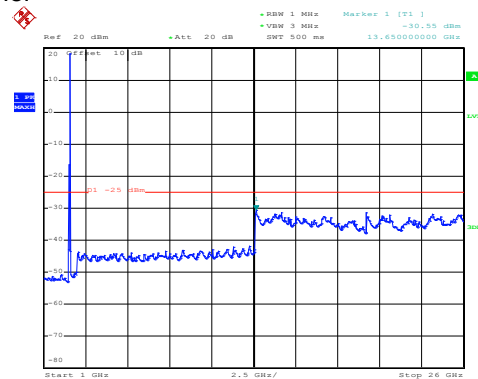


1GHz~25GHz

High channel

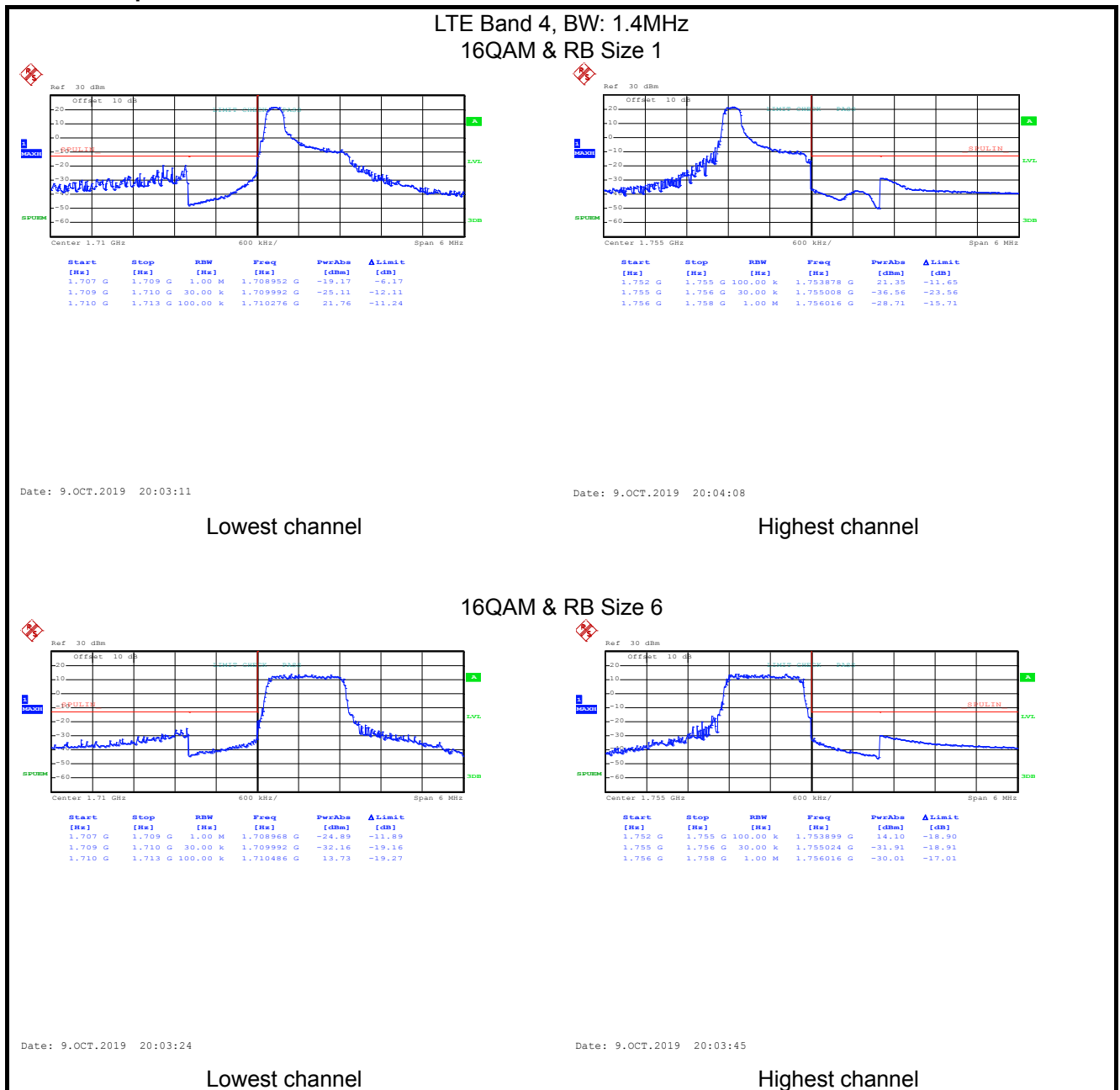


30MHz~1GHz

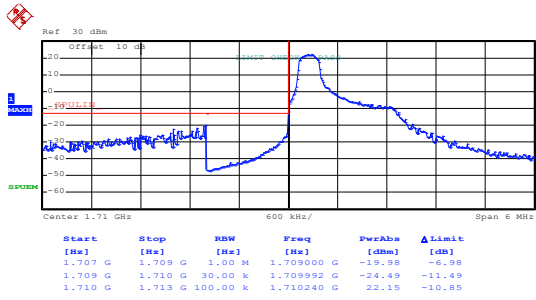


1GHz~25GHz

Band edge emission:
LTE Band 4 part:

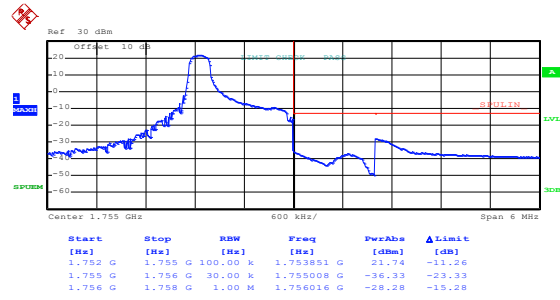


LTE Band 4, BW: 1.4MHz QPSK & RB Size 1



Date: 9.OCT.2019 20:02:58

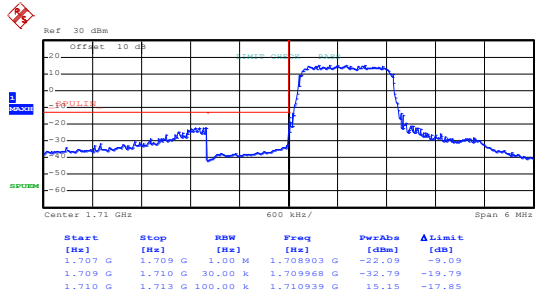
Lowest channel



Date: 9.OCT.2019 20:04:19

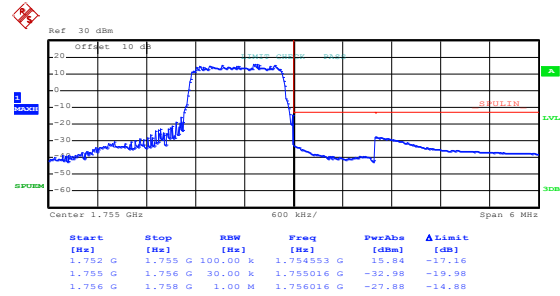
Highest channel

QPSK & RB Size 6



Date: 9.OCT.2019 20:03:19

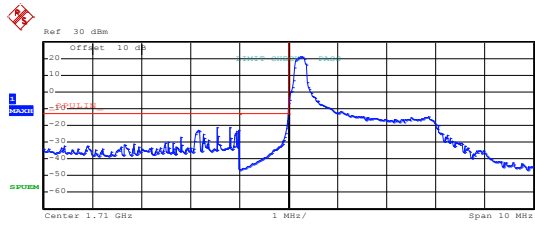
Lowest channel



Date: 9.OCT.2019 20:03:39

Highest channel

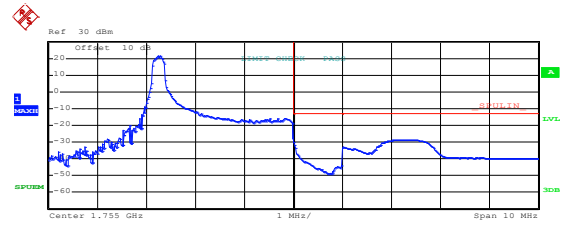
LTE Band 4, BW: 3MHz 16QAM & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.705 G	1.709 G	1.00 M	1.709348 G	-28.94	-7.94
1.709 G	1.710 G	30.00 k	1.709992 G	-18.35	-5.35
1.710 G	1.715 G	100.00 k	1.710245 G	20.92	-12.08

Date: 9.OCT.2019 20:06:12

Lowest channel

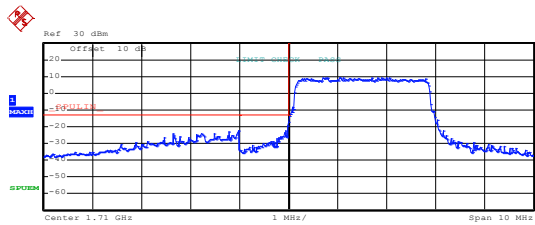


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.750 G	1.755 G	100.00 k	1.752330 G	21.42	-11.58
1.755 G	1.756 G	30.00 k	1.755008 G	-30.37	-17.37
1.756 G	1.760 G	1.00 M	1.757484 G	-28.55	-15.55

Date: 9.OCT.2019 20:04:52

Highest channel

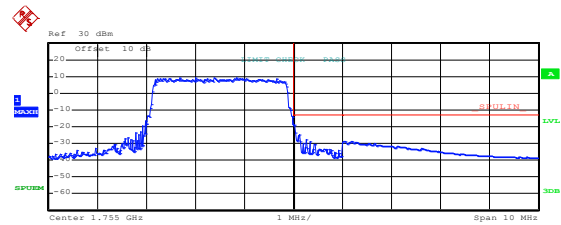
16QAM & RB Size 15



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.705 G	1.709 G	1.00 M	1.709300 G	-22.53	-9.53
1.709 G	1.710 G	100.00 k	1.709992 G	-19.33	-6.33
1.710 G	1.715 G	100.00 k	1.711705 G	9.51	-23.49

Date: 9.OCT.2019 20:05:46

Lowest channel

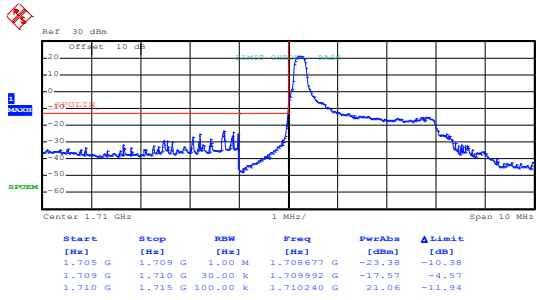


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.750 G	1.755 G	100.00 k	1.753005 G	9.36	-23.64
1.755 G	1.756 G	100.00 k	1.755008 G	-18.72	-5.72
1.756 G	1.760 G	1.00 M	1.756065 G	-28.66	-15.66

Date: 9.OCT.2019 20:05:14

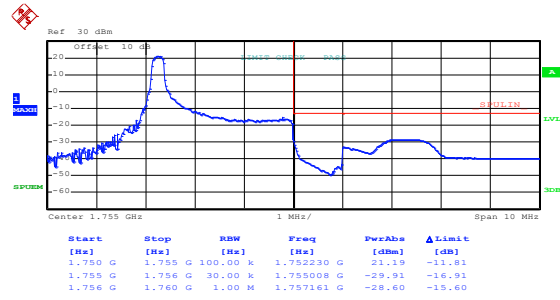
Highest channel

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



Date: 9.OCT.2019 20:06:00

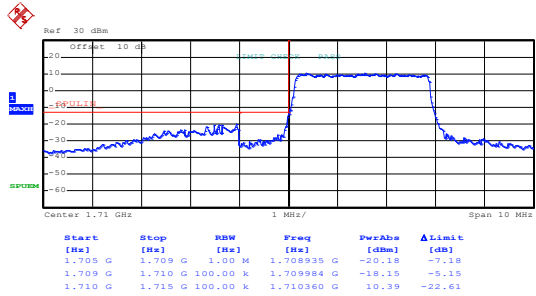
Lowest channel



Date: 9.OCT.2019 20:04:41

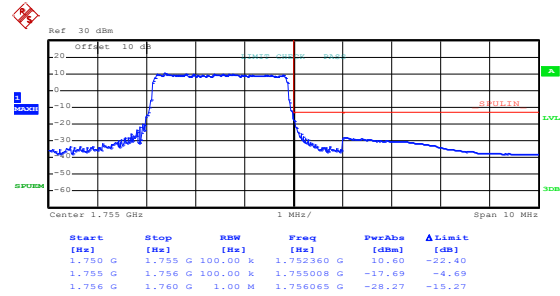
Highest channel

QPSK & RB Size 15



Date: 9.OCT.2019 20:05:39

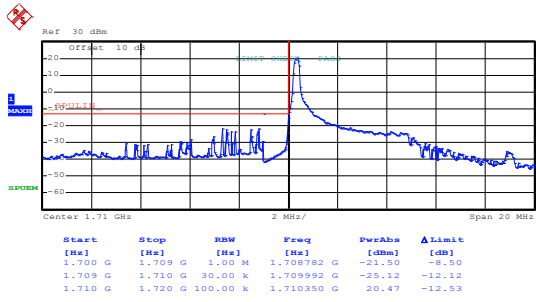
Lowest channel



Date: 9.OCT.2019 20:05:09

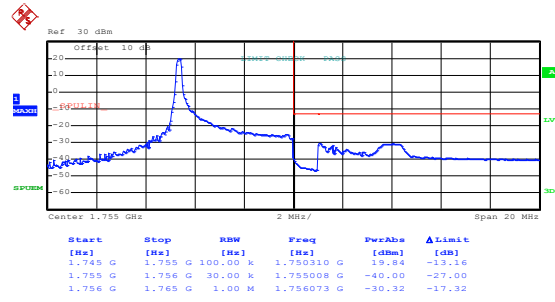
Highest channel

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



Date: 9.OCT.2019 20:07:06

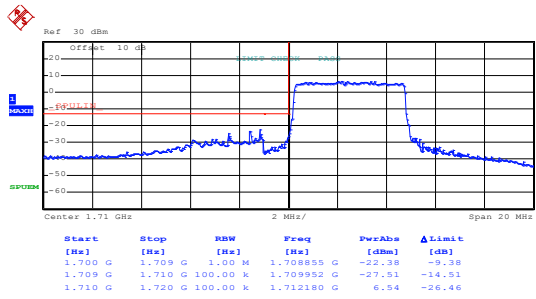
Lowest channel



Date: 9.OCT.2019 20:08:09

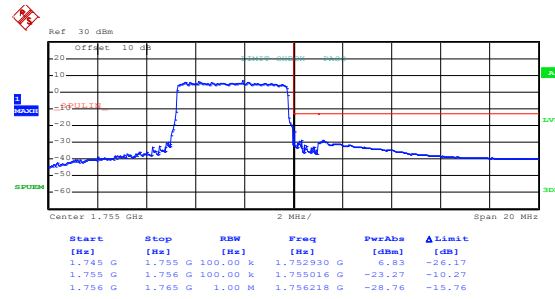
Highest channel

16QAM & RB Size 25



Date: 9.OCT.2019 20:07:27

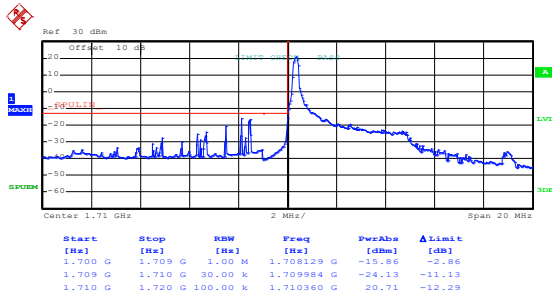
Lowest channel



Date: 9.OCT.2019 20:07:47

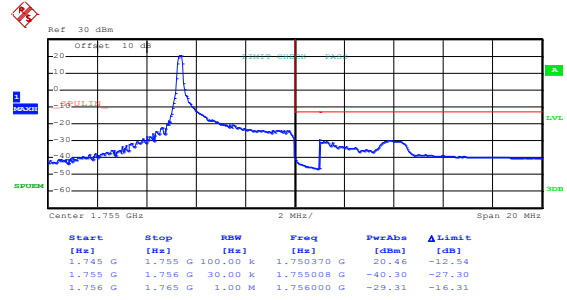
Highest channel

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



Date: 9.OCT.2019 20:06:49

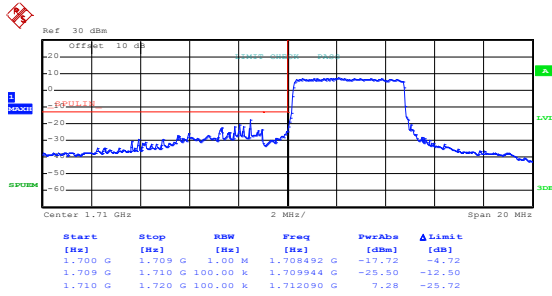
Lowest channel



Date: 9.OCT.2019 20:08:00

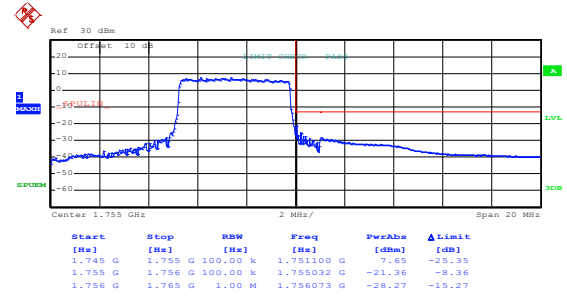
Highest channel

QPSK & RB Size 25



Date: 9.OCT.2019 20:07:21

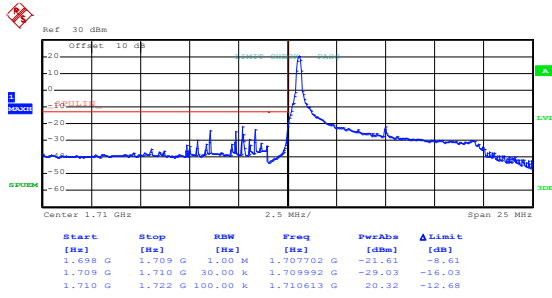
Lowest channel



Date: 9.OCT.2019 20:07:41

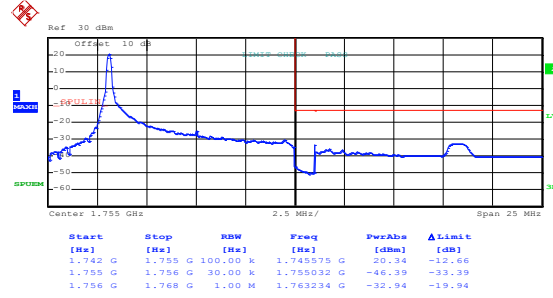
Highest channel

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



Date: 9.OCT.2019 20:10:15

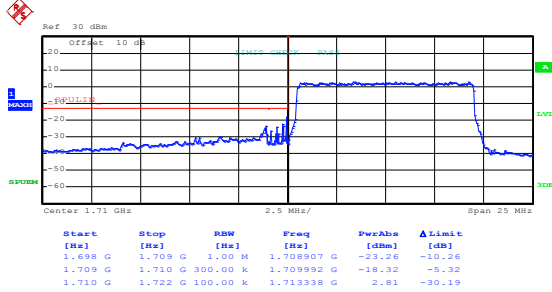
Lowest channel



Date: 9.OCT.2019 20:09:09

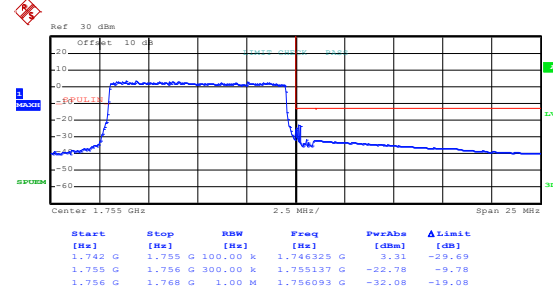
Highest channel

16QAM & RB Size 50



Date: 9.OCT.2019 20:09:57

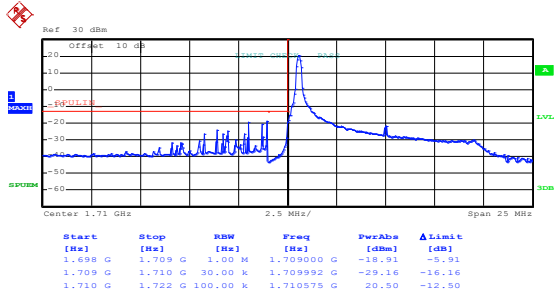
Lowest channel



Date: 9.OCT.2019 20:09:39

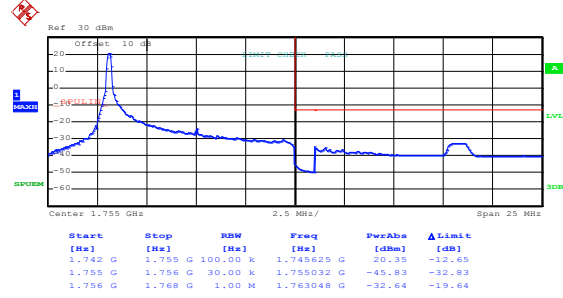
Highest channel

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



Date: 9.OCT.2019 20:10:09

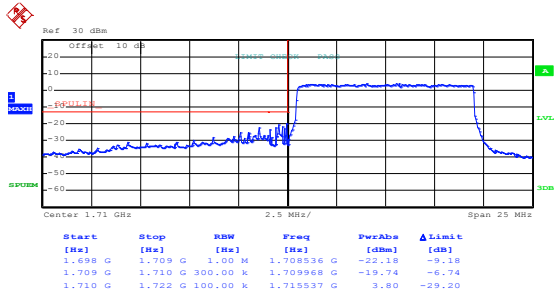
Lowest channel



Date: 9.OCT.2019 20:09:00

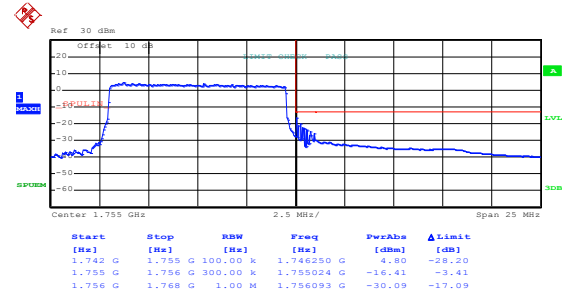
Highest channel

QPSK & RB Size 50



Date: 9.OCT.2019 20:09:52

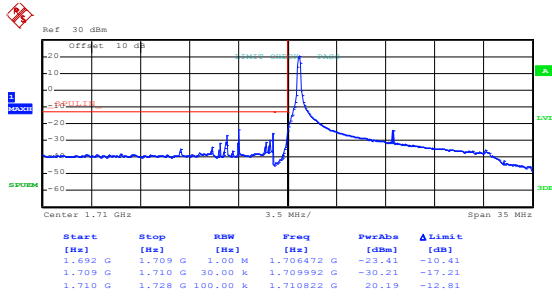
Lowest channel



Date: 9.OCT.2019 20:09:33

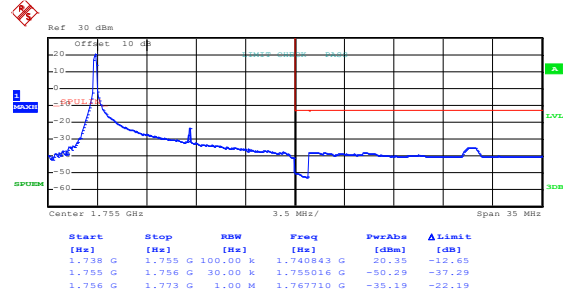
Highest channel

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



Date: 9.OCT.2019 20:10:48

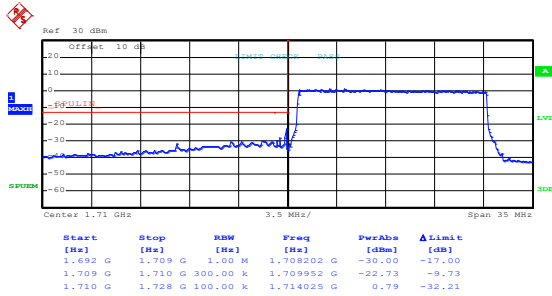
Lowest channel



Date: 9.OCT.2019 20:11:45

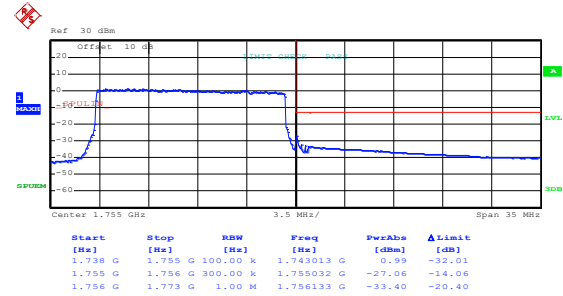
Highest channel

16QAM & RB Size 75



Date: 9.OCT.2019 20:11:05

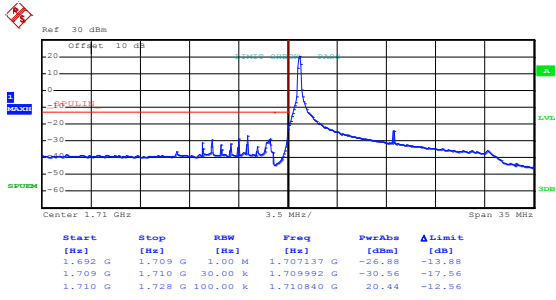
Lowest channel



Date: 9.OCT.2019 20:11:23

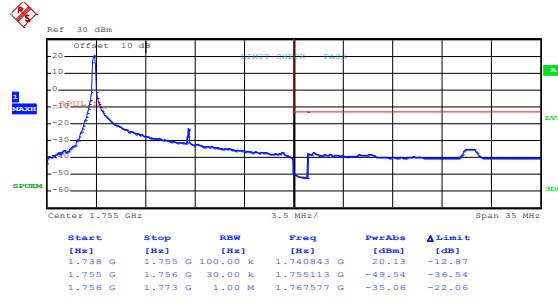
Highest channel

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



Date: 9.OCT.2019 20:10:41

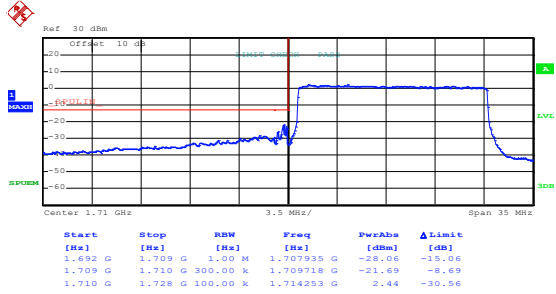
Lowest channel



Date: 9.OCT.2019 20:11:38

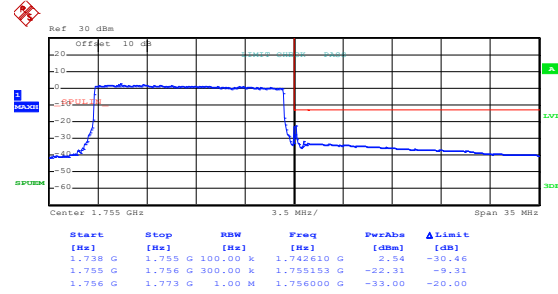
Highest channel

QPSK & RB Size 75



Date: 9.OCT.2019 20:11:00

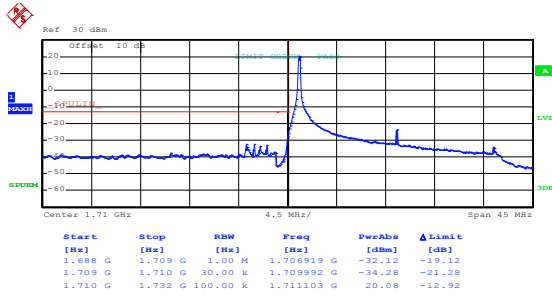
Lowest channel



Date: 9.OCT.2019 20:11:17

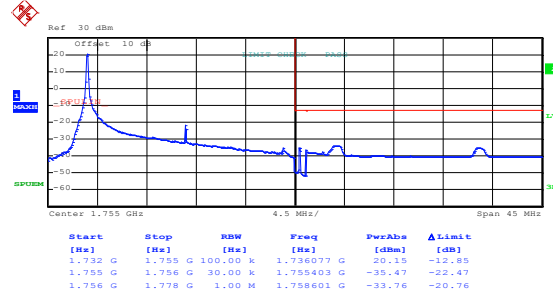
Highest channel

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



Date: 9.OCT.2019 20:13:20

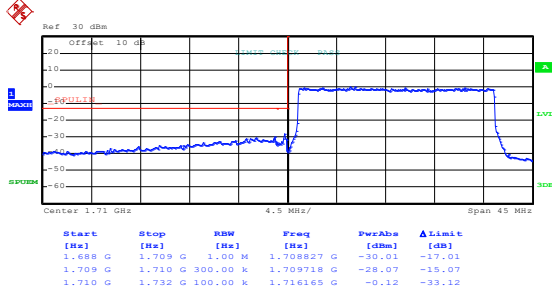
Lowest channel



Date: 9.OCT.2019 20:12:23

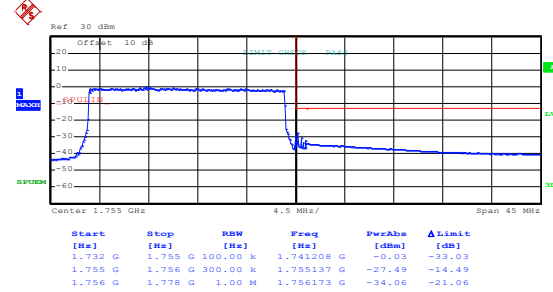
Highest channel

16QAM & RB Size 100



Date: 9.OCT.2019 20:13:02

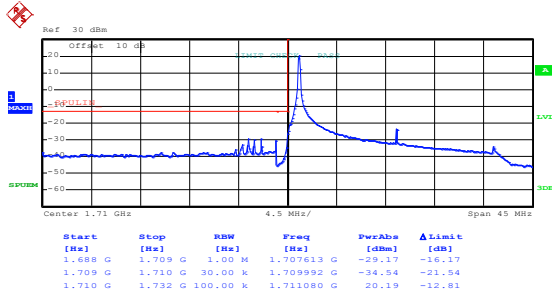
Lowest channel



Date: 9.OCT.2019 20:12:41

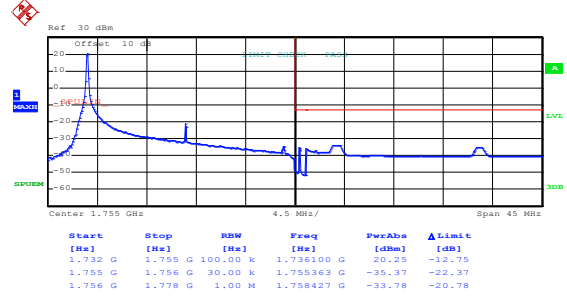
Highest channel

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



Date: 9.OCT.2019 20:13:15

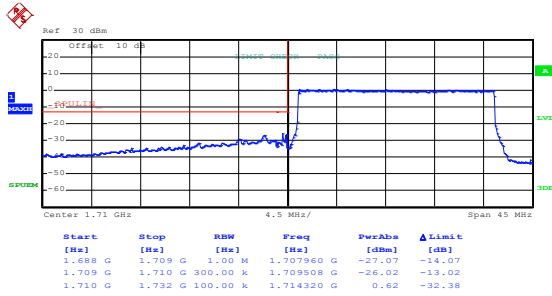
Lowest channel



Date: 9.OCT.2019 20:12:13

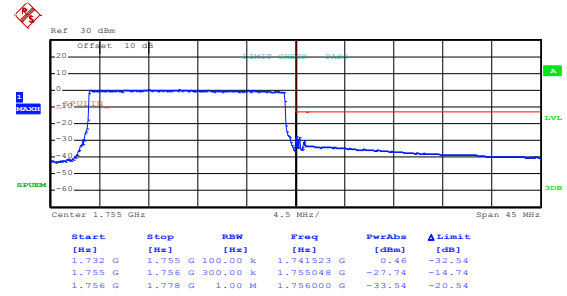
Highest channel

QPSK & RB Size 100



Date: 9.OCT.2019 20:12:57

Lowest channel

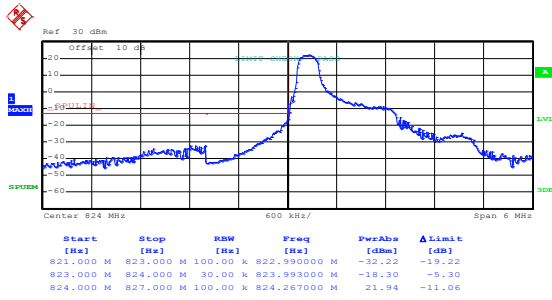


Date: 9.OCT.2019 20:12:36

Highest channel

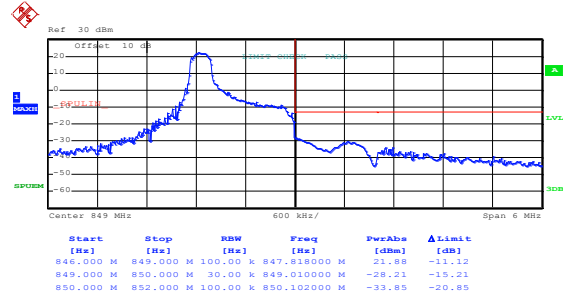
LTE Band 5 part:

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



Date: 9.OCT.2019 19:55:02

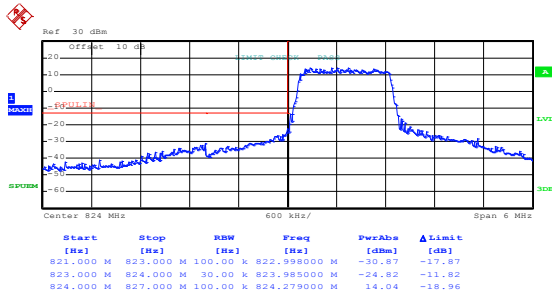
Lowest channel



Date: 9.OCT.2019 19:56:04

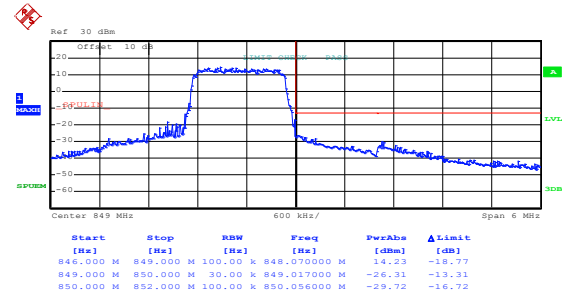
Highest channel

16QAM & RB Size 6



Date: 9.OCT.2019 19:55:15

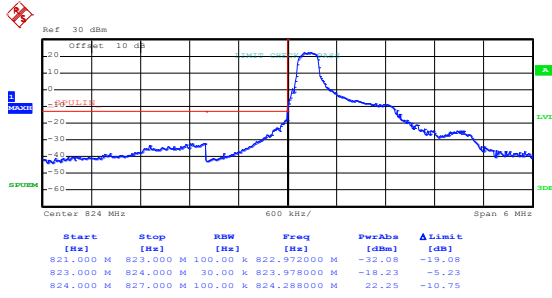
Lowest channel



Date: 9.OCT.2019 19:55:36

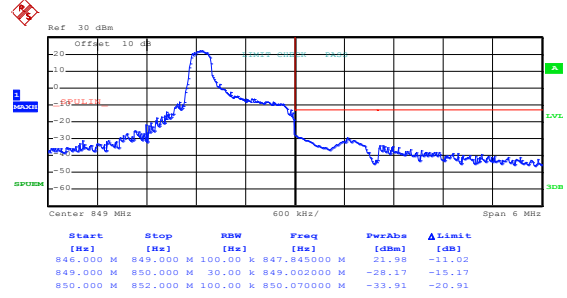
Highest channel

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



Date: 9.OCT.2019 19:54:42

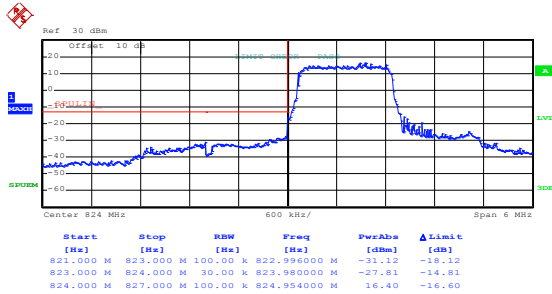
Lowest channel



Date: 9.OCT.2019 19:55:49

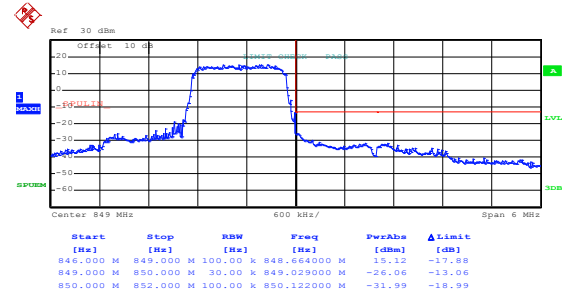
Highest channel

QPSK & RB Size 6



Date: 9.OCT.2019 19:55:10

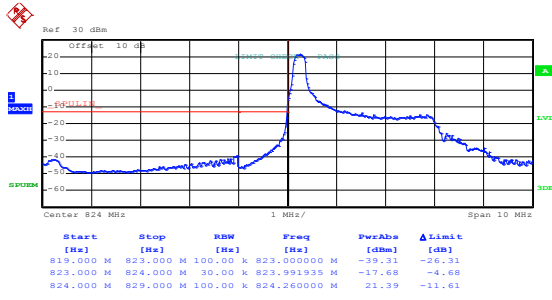
Lowest channel



Date: 9.OCT.2019 19:55:29

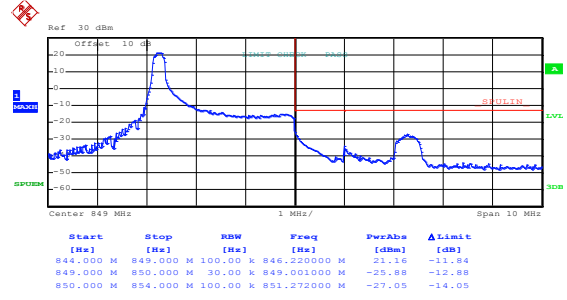
Highest channel

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



Date: 9.OCT.2019 19:58:42

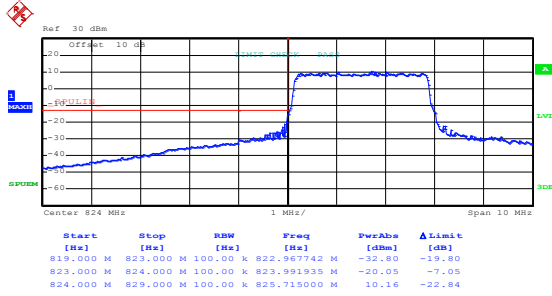
Lowest channel



Date: 9.OCT.2019 19:56:58

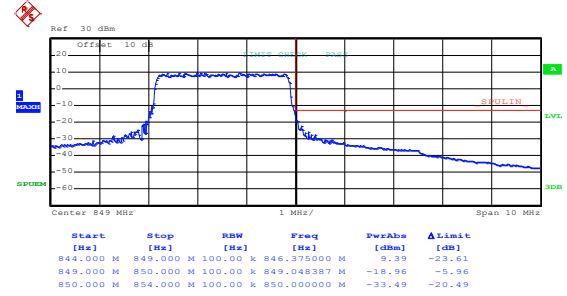
Highest channel

16QAM & RB Size 15



Date: 9.OCT.2019 19:58:10

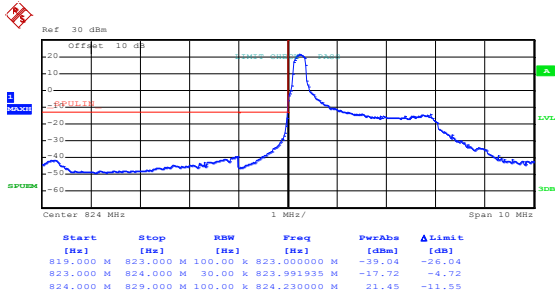
Lowest channel



Date: 9.OCT.2019 19:57:39

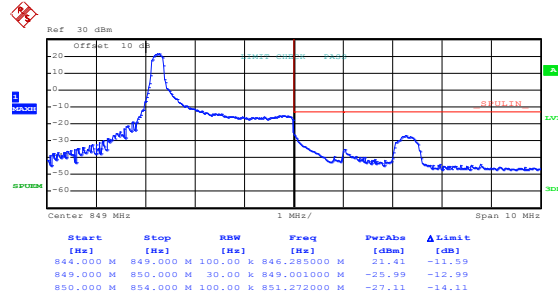
Highest channel

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



Date: 9.OCT.2019 19:58:32

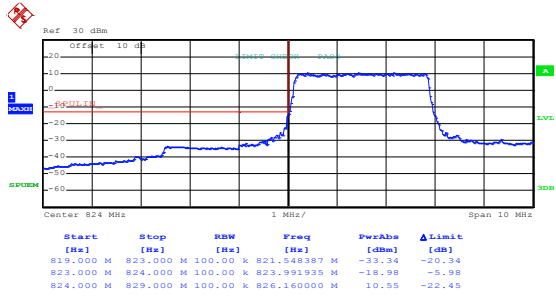
Lowest channel



Date: 9.OCT.2019 19:56:48

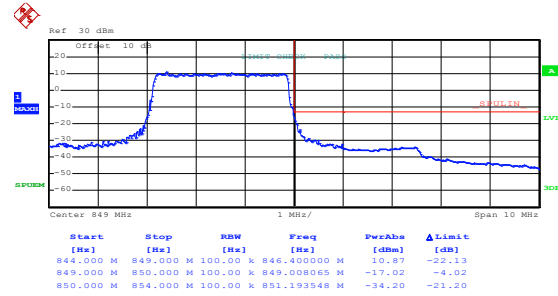
Highest channel

QPSK & RB Size 15



Date: 9.OCT.2019 19:58:05

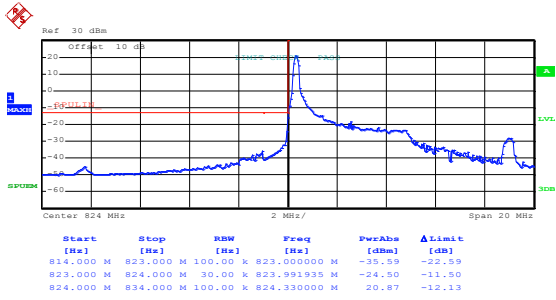
Lowest channel



Date: 9.OCT.2019 19:57:34

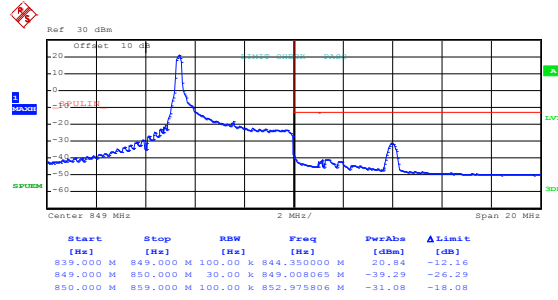
Highest channel

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



Date: 9.OCT.2019 19:59:19

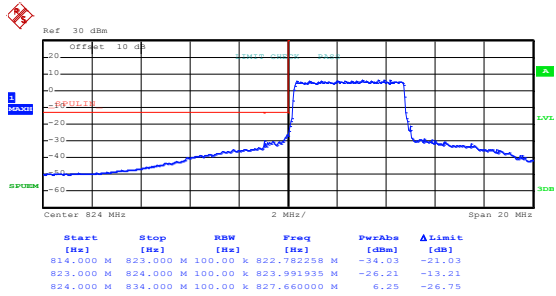
Lowest channel



Date: 9.OCT.2019 20:00:21

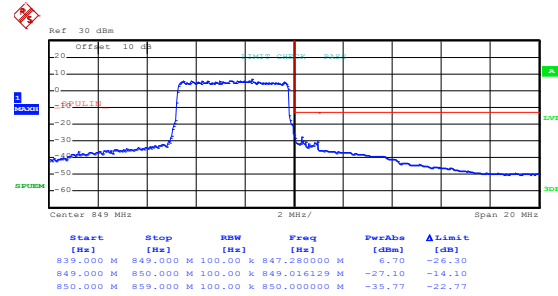
Highest channel

16QAM & RB Size 25



Date: 9.OCT.2019 19:59:39

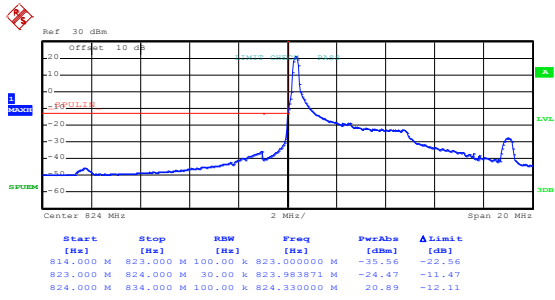
Lowest channel



Date: 9.OCT.2019 19:59:57

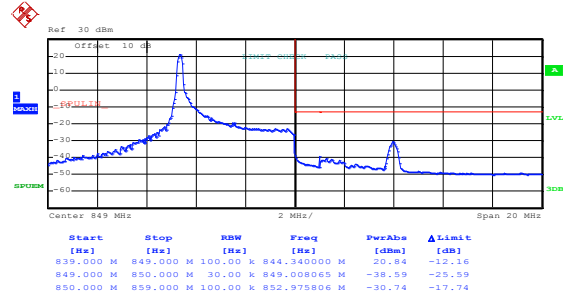
Highest channel

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



Date: 9.OCT.2019 19:59:12

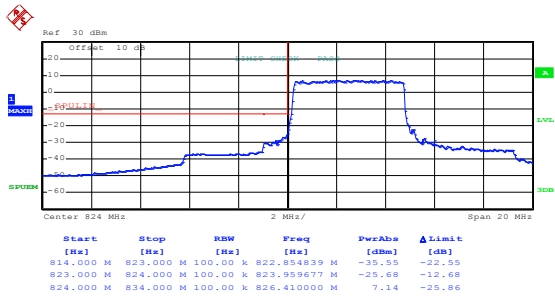
Lowest channel



Date: 9.OCT.2019 20:00:12

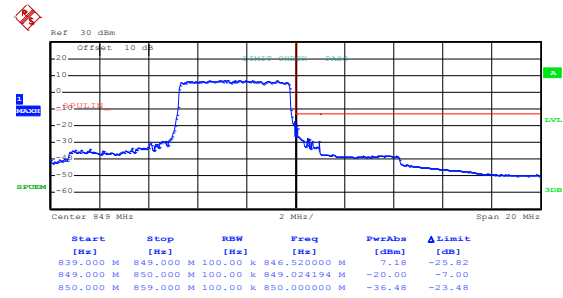
Highest channel

QPSK & RB Size 25



Date: 9.OCT.2019 19:59:34

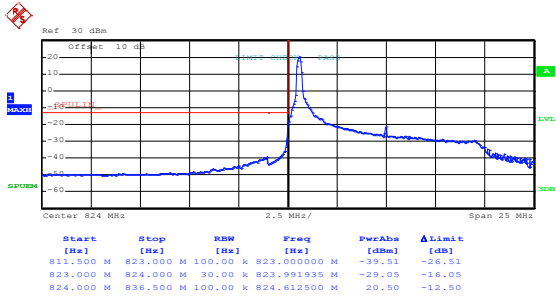
Lowest channel



Date: 9.OCT.2019 19:59:52

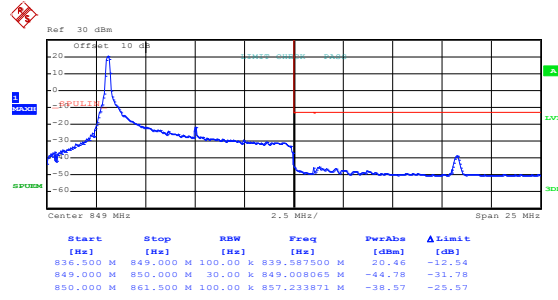
Highest channel

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



Date: 9.OCT.2019 20:01:52

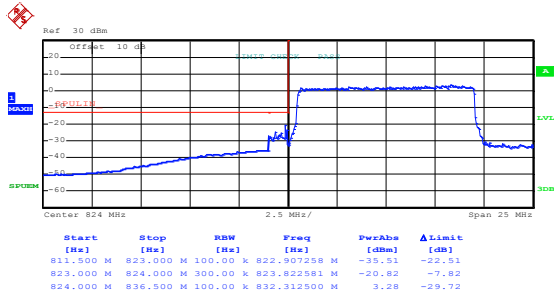
Lowest channel



Date: 9.OCT.2019 20:00:47

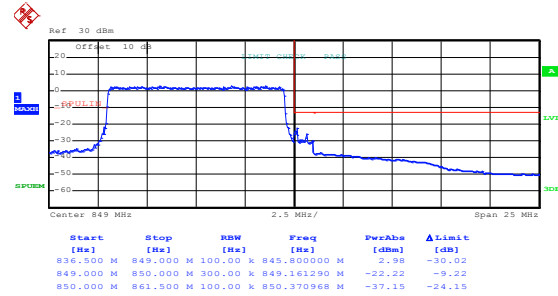
Highest channel

16QAM & RB Size 50



Date: 9.OCT.2019 20:01:34

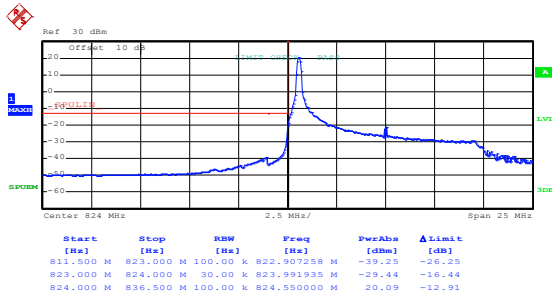
Lowest channel



Date: 9.OCT.2019 20:01:05

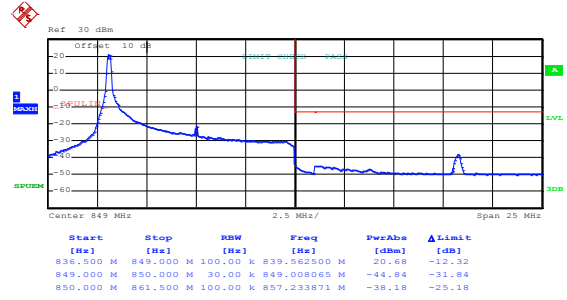
Highest channel

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



Date: 9.OCT.2019 20:01:45

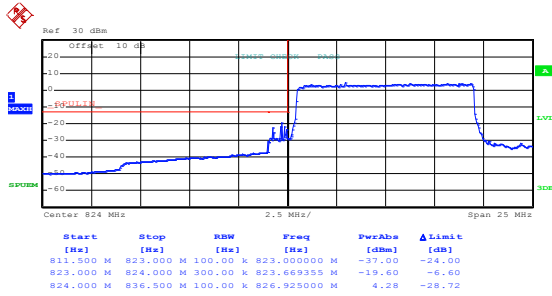
Lowest channel



Date: 9.OCT.2019 20:00:41

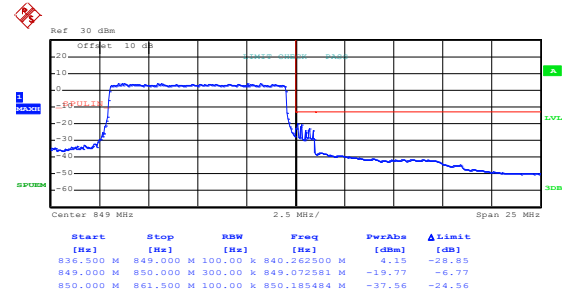
Highest channel

QPSK & RB Size 50



Date: 9.OCT.2019 20:01:28

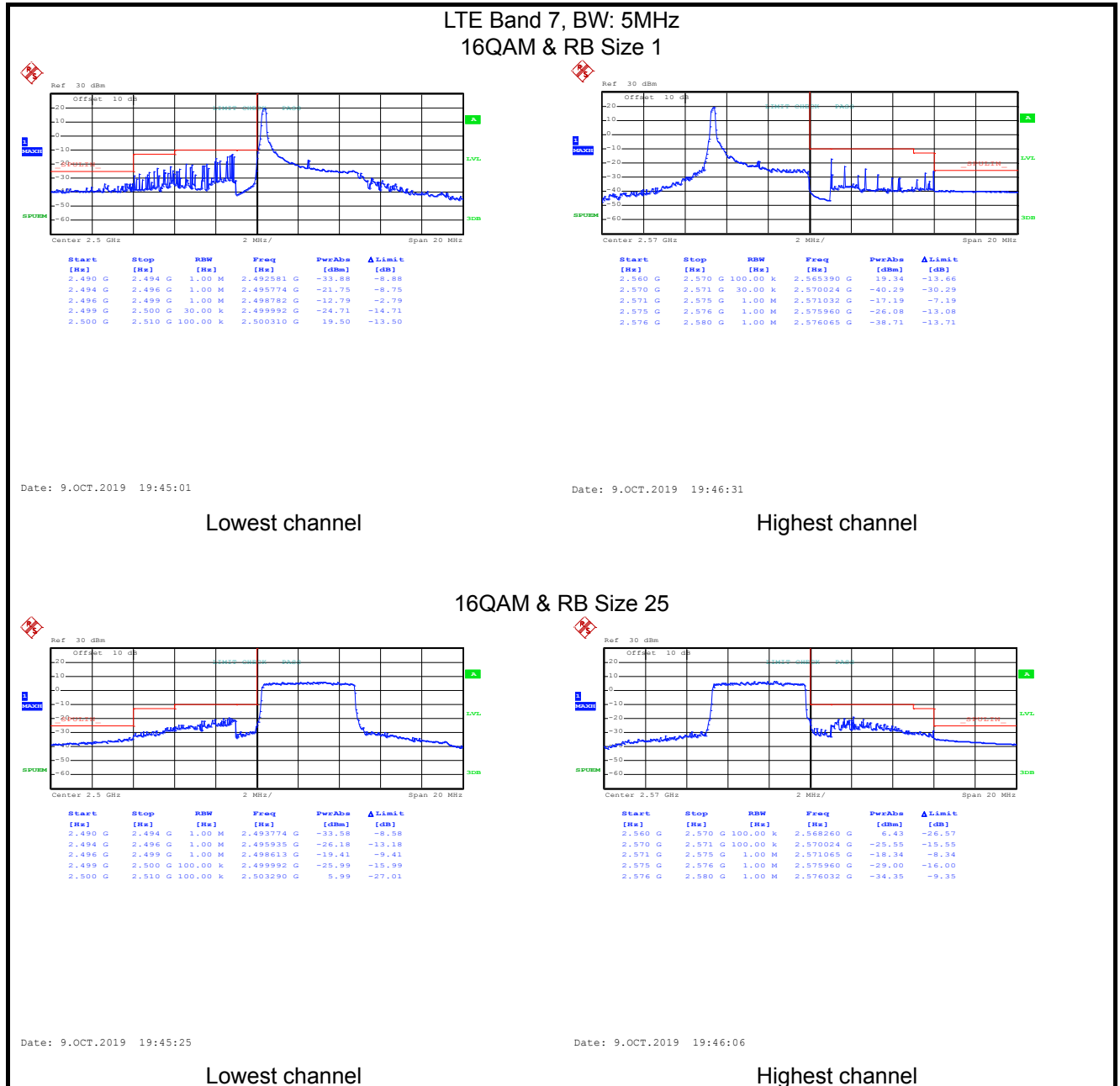
Lowest channel



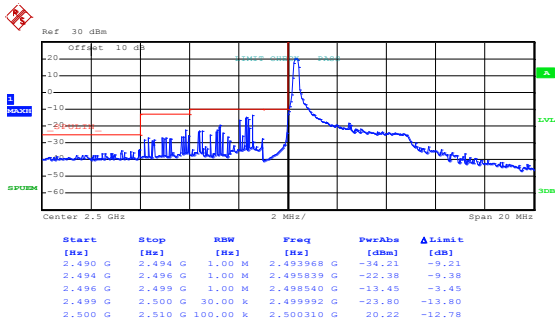
Date: 9.OCT.2019 20:01:00

Highest channel

LTE Band 7 part:

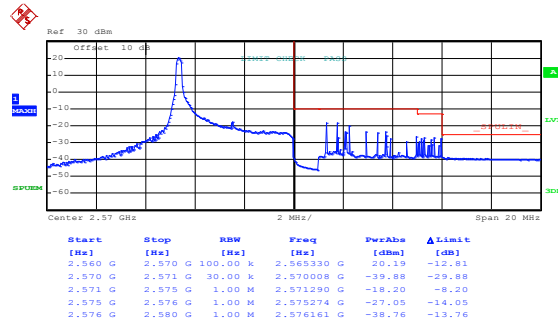


LTE Band 7, BW: 5MHz QPSK & RB Size 1



Date: 9.OCT.2019 19:44:22

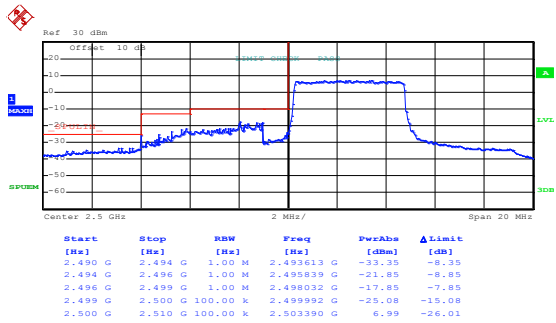
Lowest channel



Date: 9.OCT.2019 19:46:23

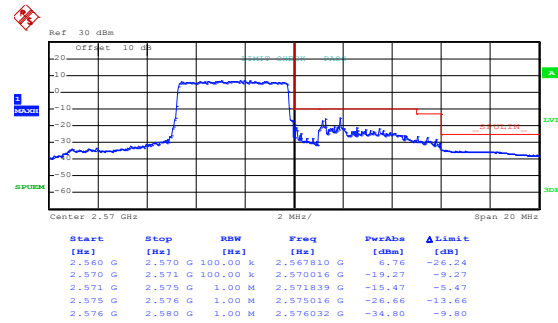
Highest channel

QPSK & RB Size 25



Date: 9.OCT.2019 19:45:18

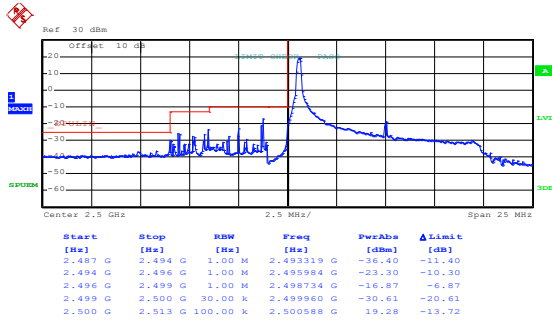
Lowest channel



Date: 9.OCT.2019 19:46:01

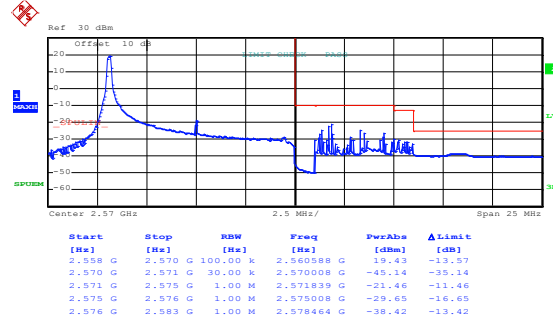
Highest channel

LTE Band 7, BW: 10MHz 16QAM & RB Size 1



Date: 9.OCT.2019 19:49:45

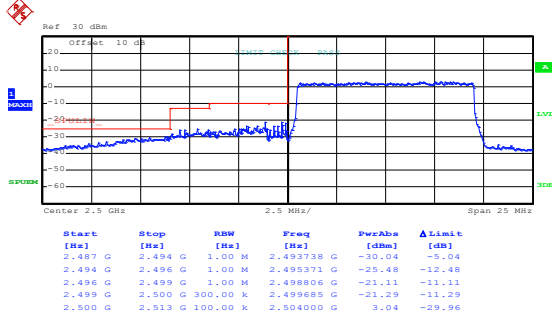
Lowest channel



Date: 9.OCT.2019 19:48:26

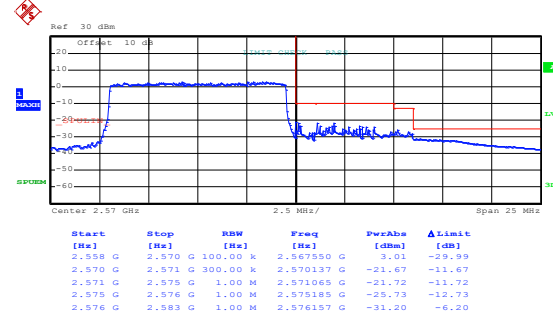
Highest channel

16QAM & RB Size 50



Date: 9.OCT.2019 19:49:23

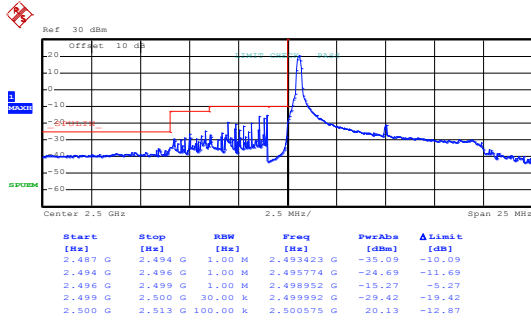
Lowest channel



Date: 9.OCT.2019 19:48:49

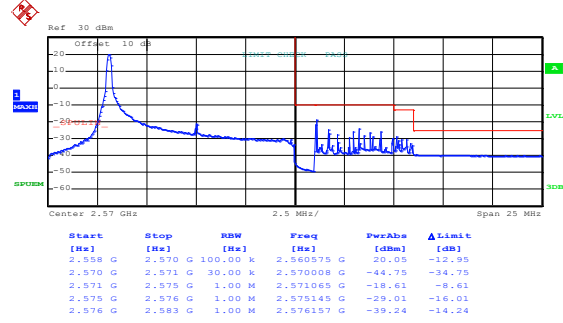
Highest channel

LTE Band 7, BW: 10MHz QPSK & RB Size 1



Date: 9.OCT.2019 19:49:37

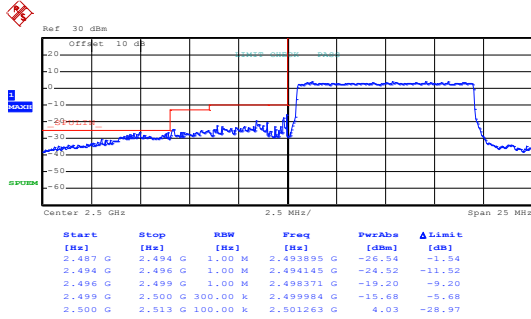
Lowest channel



Date: 9.OCT.2019 19:47:02

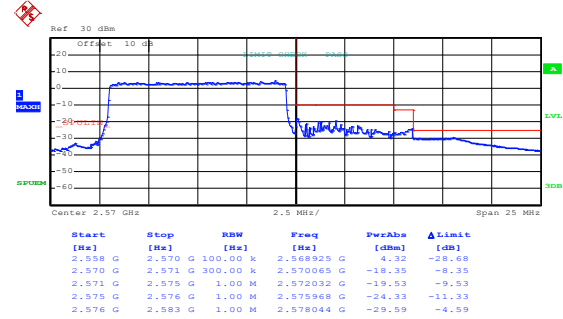
Highest channel

QPSK & RB Size 50



Date: 9.OCT.2019 19:49:16

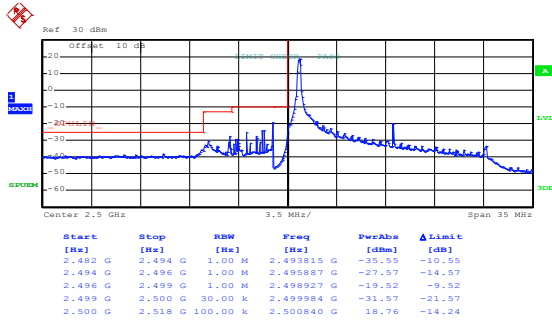
Lowest channel



Date: 9.OCT.2019 19:48:43

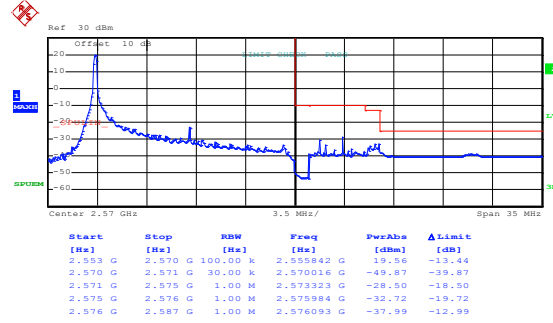
Highest channel

LTE Band 7, BW: 15MHz 16QAM & RB Size 1



Date: 9.OCT.2019 19:50:25

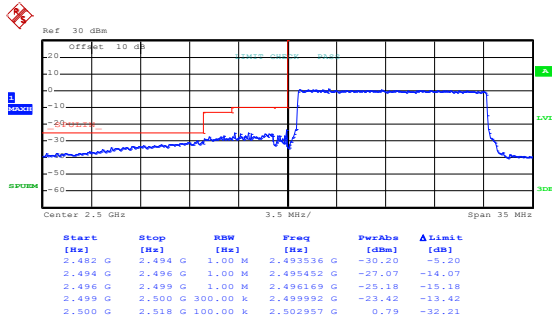
Lowest channel



Date: 9.OCT.2019 19:51:38

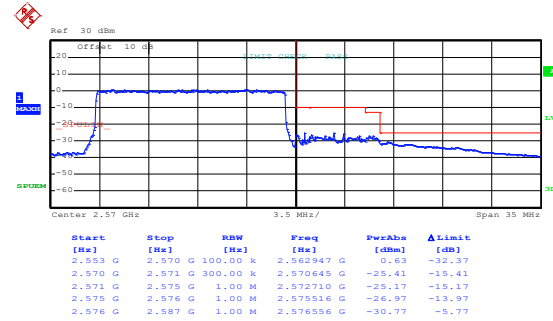
Highest channel

16QAM & RB Size 75



Date: 9.OCT.2019 19:50:46

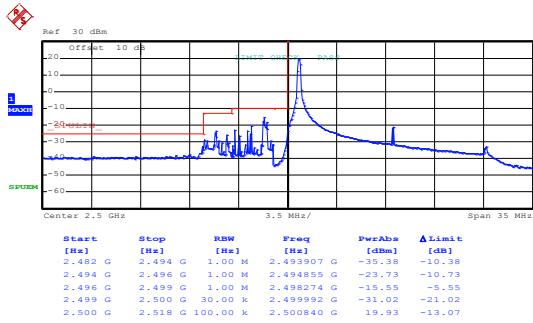
Lowest channel



Date: 9.OCT.2019 19:51:08

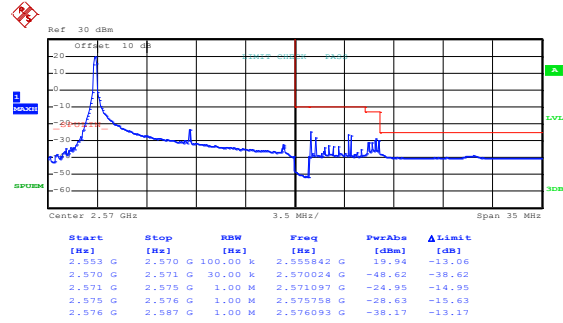
Highest channel

LTE Band 7, BW: 15MHz QPSK & RB Size 1



Date: 9.OCT.2019 19:50:14

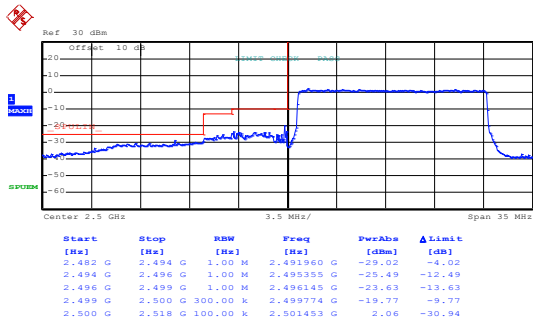
Lowest channel



Date: 9.OCT.2019 19:51:23

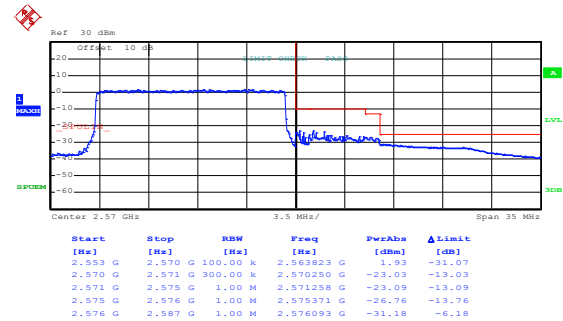
Highest channel

QPSK & RB Size 75



Date: 9.OCT.2019 19:50:41

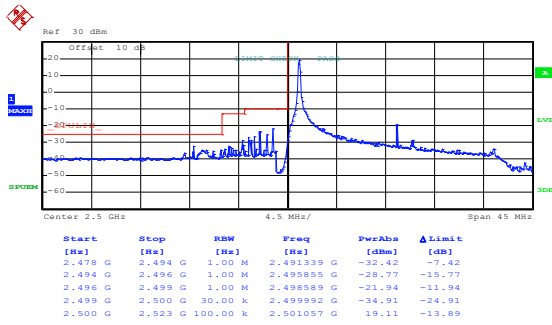
Lowest channel



Date: 9.OCT.2019 19:51:02

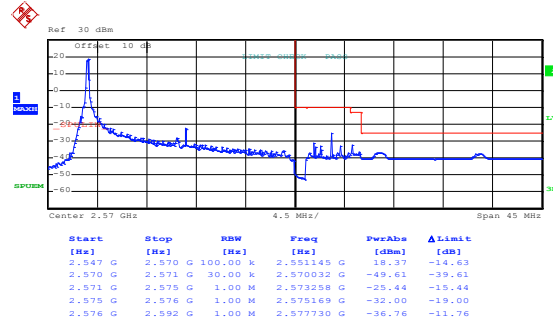
Highest channel

LTE Band 7, BW: 20MHz 16QAM & RB Size 1



Date: 9.OCT.2019 19:53:25

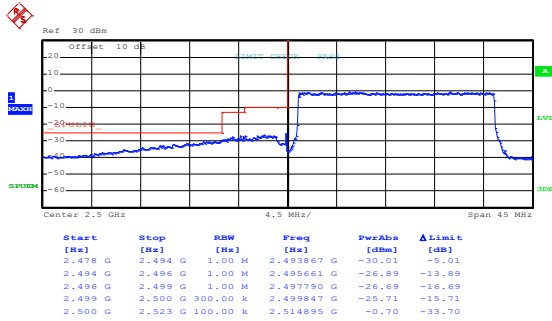
Lowest channel



Date: 9.OCT.2019 19:52:20

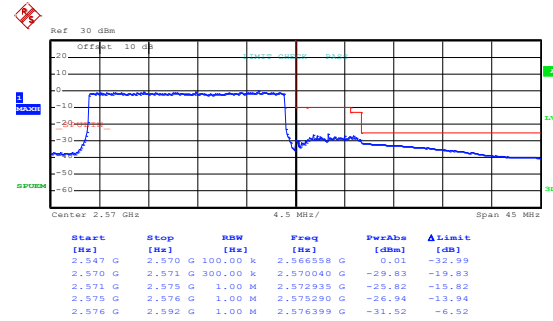
Highest channel

16QAM & RB Size 100



Date: 9.OCT.2019 19:53:03

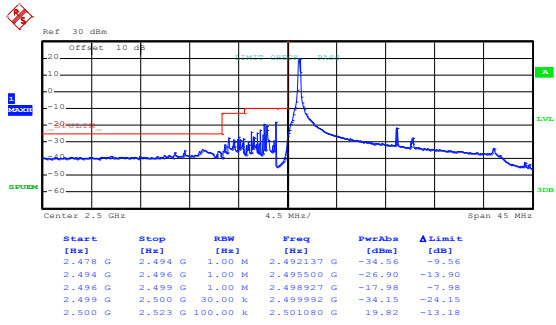
Lowest channel



Date: 9.OCT.2019 19:52:40

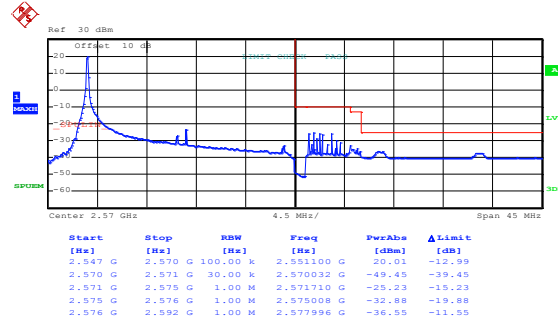
Highest channel

LTE Band 7, BW: 20MHz QPSK & RB Size 1



Date: 9.OCT.2019 19:53:17

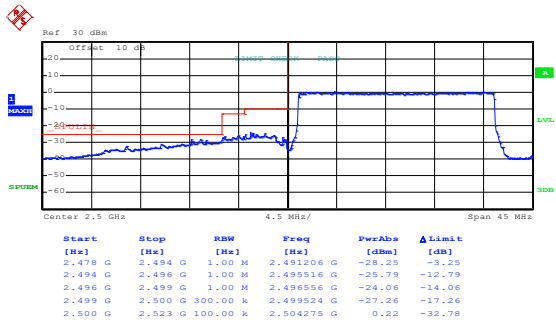
Lowest channel



Date: 9.OCT.2019 19:52:13

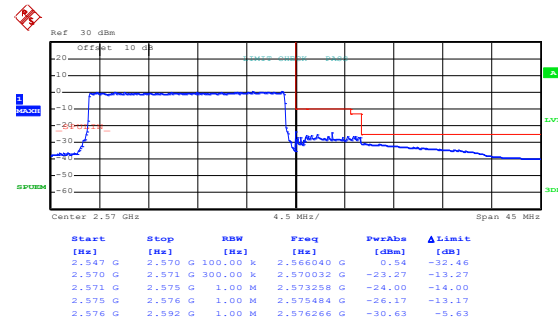
Highest channel

QPSK & RB Size 100



Date: 9.OCT.2019 19:52:55

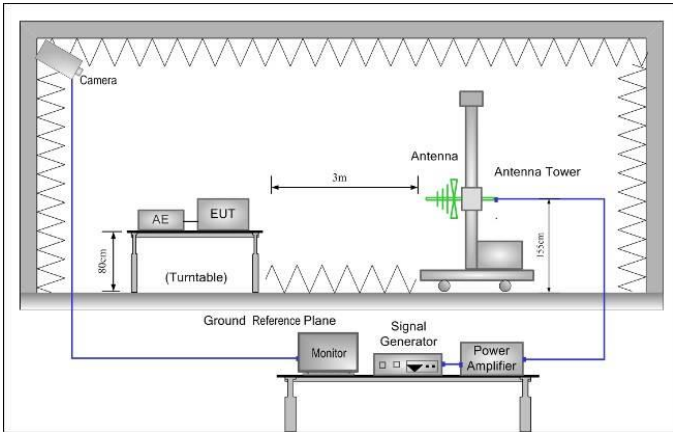
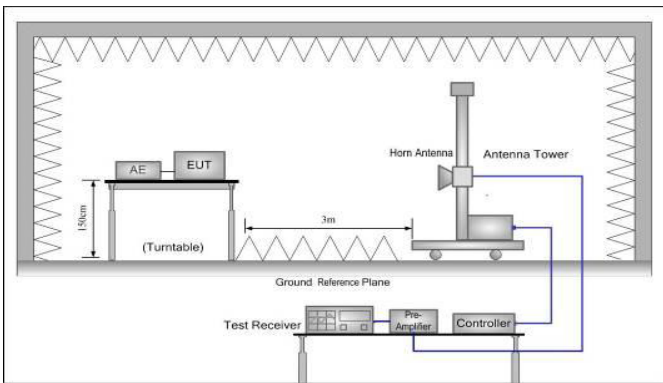
Lowest channel



Date: 9.OCT.2019 19:52:34

Highest channel

6.5 Field strength of spurious radiation measurement

<p>Test Requirement:</p>	<p>Part 22.917(b), Part 27.53(m), Part 27.53(h)</p>
<p>Limit:</p>	<p>LTE Band 4 & 5: The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB (-13 dBm). LTE Band 7: For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz.</p>
<p>Test setup:</p>	<p>Below 1GHz</p>  <p>Above 1GHz</p> 
<p>Test Procedure:</p>	<ol style="list-style-type: none"> 1. The EUT was placed on a non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 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

	<p>was determined using the substitution method.</p> <p>4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency. $ERP / EIRP = S.G. \text{ output (dBm)} + \text{Antenna Gain(dB/dBi)} - \text{Cable Loss (dB)}$</p>
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 4 part:

LTE Band 4, WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3421.40	Vertical	-47.62	-13.00	Pass
5132.10	V	-44.46		
6842.80	V	-38.77		
3421.40	Horizontal	-48.74		
5132.10	H	-44.38		
6842.80	H	-38.28		
Middle Channel				
3465.00	Vertical	-47.56	-13.00	Pass
5197.50	V	-44.29		
6930.00	V	-38.63		
3465.00	Horizontal	-48.42		
5197.50	H	-44.42		
6930.00	H	-38.12		
Highest Channel				
3508.60	Vertical	-47.58	-13.00	Pass
5262.90	V	-44.94		
7017.20	V	-38.71		
3508.60	Horizontal	-48.12		
5262.90	H	-44.58		
7017.20	H	-38.69		
<p>Note:</p> <ol style="list-style-type: none"> The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report. 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	-47.41	-13.00	Pass
5160.00	V	-44.12		
6880.00	V	-38.68		
3440.00	Horizontal	-48.12		
5160.00	H	-44.07		
6880.00	H	-38.12		
Middle Channel				
3465.00	Vertical	-47.91	-13.00	Pass
5197.50	V	-44.94		
6930.00	V	-38.63		
3465.00	Horizontal	-48.41		
5197.50	H	-44.19		
6930.00	H	-38.58		
Highest Channel				
3490.00	Vertical	-47.38	-13.00	Pass
5235.00	V	-44.46		
6980.00	V	-38.47		
3490.00	Horizontal	-48.34		
5235.00	H	-44.63		
6980.00	H	-38.42		
<p><i>Note:</i></p> <ol style="list-style-type: none"> <i>The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.</i> <i>For above 1 GHz, all test modes were performed, and just the worst case shown in the report.</i> 				

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	-59.55	-13.00	Pass
2474.10	V	-49.27		
3298.80	V	-37.97		
1649.40	Horizontal	-58.39		
2474.10	H	-44.69		
3298.80	H	-38.29		
Middle Channel				
1673.00	Vertical	-59.86	-13.00	Pass
2509.50	V	-49.84		
3346.00	V	-37.42		
1673.00	Horizontal	-58.94		
2509.50	H	-44.99		
3346.00	H	-38.31		
Highest Channel				
1696.60	Vertical	-59.16	-13.00	Pass
2544.90	V	-49.58		
3393.20	V	-37.18		
1696.60	Horizontal	-58.42		
2544.90	H	-44.33		
3393.20	H	-38.39		
<p><i>Note:</i></p> <ol style="list-style-type: none"> <i>The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.</i> <i>For above 1 GHz, all test modes were performed, and just the worst case shown in the report.</i> 				

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	-539.10	-13.00	Pass
2487.00	V	-49.12		
3316.00	V	-37.86		
1658.00	Horizontal	-58.84		
2487.00	H	-44.12		
3316.00	H	-38.34		
Middle Channel				
1673.00	Vertical	-59.12	-13.00	Pass
2509.50	V	-49.94		
3346.00	V	-37.44		
1673.00	Horizontal	-58.56		
2509.50	H	-44.84		
3346.00	H	-38.24		
Highest Channel				
1688.00	Vertical	-59.58	-13.00	Pass
2532.00	V	-49.54		
3376.00	V	-37.38		
1688.00	Horizontal	-58.88		
2532.00	H	-44.42		
3376.00	H	-38.56		
<p><i>Note:</i></p> <ol style="list-style-type: none"> <i>The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.</i> <i>For above 1 GHz, all test modes were performed, and just the worst case shown in the report.</i> 				

LTE Band 7 part:

LTE Band 7, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
5005.00	Vertical	-44.80	-25.00	Pass
7507.50	V	-38.55		
10010.00	V	-35.56		
5005.00	Horizontal	-45.51		
7507.50	H	-38.81		
10010.00	H	-35.52		
Middle Channel				
5070.00	Vertical	-44.65	-25.00	Pass
7605.00	V	-38.90		
10140.00	V	-35.06		
5070.00	Horizontal	-45.76		
7605.00	H	-38.19		
10140.00	H	-35.25		
Highest Channel				
5135.00	Vertical	-44.50	-25.00	Pass
7702.50	V	-38.72		
10270.00	V	-35.64		
5135.00	Horizontal	-45.99		
7702.50	H	-38.06		
10270.00	H	-35.16		
<p>Note:</p> <ol style="list-style-type: none"> The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report. For above 1 GHz, all test modes were performed, and just the worst case shown in the report. 				

LTE Band 7, WB: 20MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
5020.00	Vertical	-44.24	-25.00	Pass
7530.00	V	-38.81		
10040.00	V	-35.13		
5020.00	Horizontal	-45.99		
7530.00	H	-38.06		
10040.00	H	-35.67		
Middle Channel				
5070.00	Vertical	-44.24	-25.00	Pass
7605.00	V	-38.19		
10140.00	V	-35.99		
5070.00	Horizontal	-45.52		
7605.00	H	-38.86		
10140.00	H	-35.04		
Highest Channel				
5120.00	Vertical	-44.91	-25.00	Pass
7680.00	V	-38.24		
10240.00	V	-35.19		
5120.00	Horizontal	-45.55		
7680.00	H	-38.53		
10240.00	H	-35.52		
<p><i>Note:</i></p> <ol style="list-style-type: none"> <i>The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.</i> <i>For above 1 GHz, all test modes were performed, and just the worst case shown in the report.</i> 				

6.6 Frequency stability V.S. Temperature measurement

Test Requirement:	Part 22.355, Part 27.54, Part 2.1055(a)(1)(b)
Limit:	±2.5ppm
Test setup:	
Test procedure:	<ol style="list-style-type: none"> 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 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					
3.70	-30	174	0.100433	±2.5	Pass
	-20	163	0.094084		
	-10	148	0.085426		
	0	120	0.069264		
	10	166	0.095815		
	20	134	0.077345		
	30	152	0.087734		
	40	130	0.075036		
	50	108	0.062338		
16QAM					
3.70	-30	162	0.093506	±2.5	Pass
	-20	148	0.085426		
	-10	146	0.084271		
	0	122	0.070418		
	10	137	0.079076		
	20	155	0.089466		
	30	103	0.059452		
	40	127	0.073304		
	50	149	0.086003		
<i>Note: Only the worst case shown in the report.</i>					

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					
3.70	-30	169	0.202032	±2.5	Pass
	-20	124	0.148237		
	-10	159	0.190078		
	0	160	0.191273		
	10	147	0.175732		
	20	150	0.179319		
	30	133	0.158996		
	40	160	0.191273		
	50	155	0.185296		
16QAM					
3.70	-30	180	0.215182	±2.5	Pass
	-20	176	0.210400		
	-10	142	0.169755		
	0	108	0.129109		
	10	136	0.162582		
	20	155	0.185296		
	30	164	0.196055		
	40	124	0.148237		
	50	144	0.172146		
<i>Note: Only the worst case shown in the report.</i>					

LTE Band 7 part:

Reference Frequency: LTE Band 7 (10MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.70	-30	174	0.068639	±2.5	Pass
	-20	158	0.062327		
	-10	153	0.060355		
	0	169	0.066667		
	10	134	0.052860		
	20	126	0.049704		
	30	158	0.062327		
	40	120	0.047337		
	50	107	0.042209		
16QAM					
3.70	-30	169	0.066667	±2.5	Pass
	-20	135	0.053254		
	-10	124	0.048915		
	0	157	0.061933		
	10	117	0.046154		
	20	125	0.049310		
	30	160	0.063116		
	40	106	0.041815		
	50	155	0.061144		
<i>Note: Only the worst case shown in the report.</i>					

6.7 Frequency stability V.S. Voltage measurement

Test Requirement:	Part 22.355, Part 27.54, Part 2.1055(d)(2)
Limit:	±2.5ppm
Test setup:	
Test procedure:	<ol style="list-style-type: none"> 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 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	4.2	84	0.048485	±2.5	Pass
	3.7	65	0.037518		
	3.5	57	0.032900		
16QAM					
25	4.2	74	0.042713	±2.5	Pass
	3.7	52	0.030014		
	3.5	38	0.021934		

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	4.2	96	0.114764	±2.5	Pass
	3.7	78	0.093246		
	3.5	80	0.095637		
16QAM					
25	4.2	56	0.066946	±2.5	Pass
	3.7	37	0.044232		
	3.5	48	0.057382		

Note: Only the worst case shown in the report.

LTE Band 7 part:

Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.2	76	0.029980	±2.5	Pass
	3.7	58	0.022880		
	3.5	49	0.019329		
16QAM					
25	4.2	85	0.033531	±2.5	Pass
	3.7	64	0.025247		
	3.5	59	0.023274		

Note: Only the worst case shown in the report.