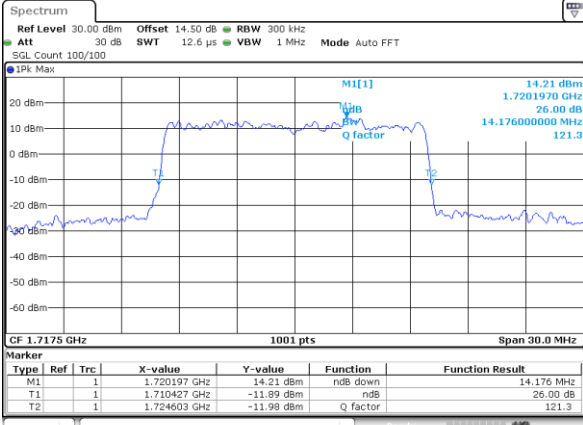




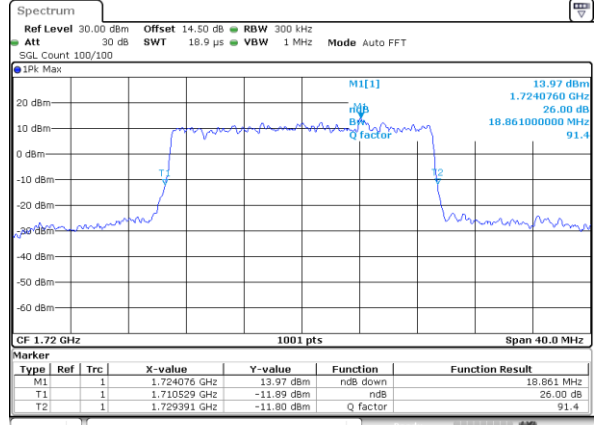
LTE Band 4

Lowest Channel / 15MHz / 64QAM



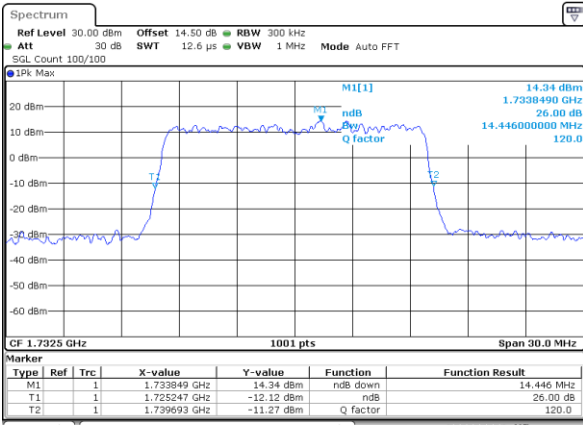
Date: 5,DEC,2019 14:38:03

Lowest Channel / 20MHz / 64QAM



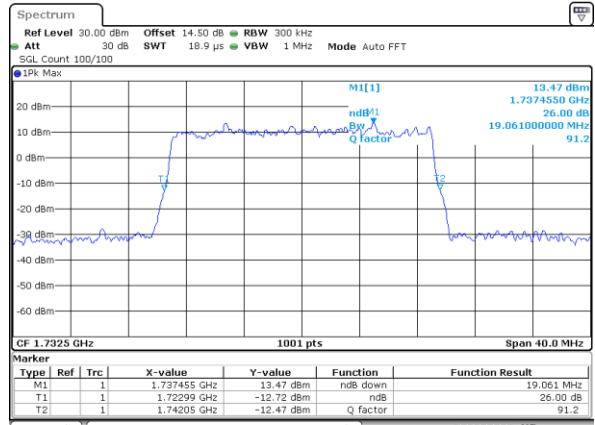
Date: 5,DEC,2019 14:45:15

Middle Channel / 15MHz / 64QAM



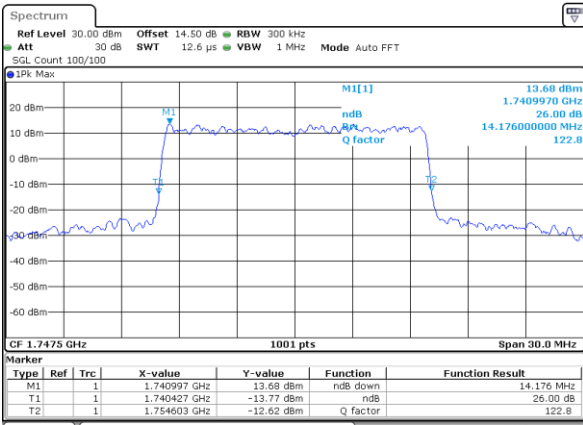
Date: 5,DEC,2019 14:41:07

Middle Channel / 20MHz / 64QAM



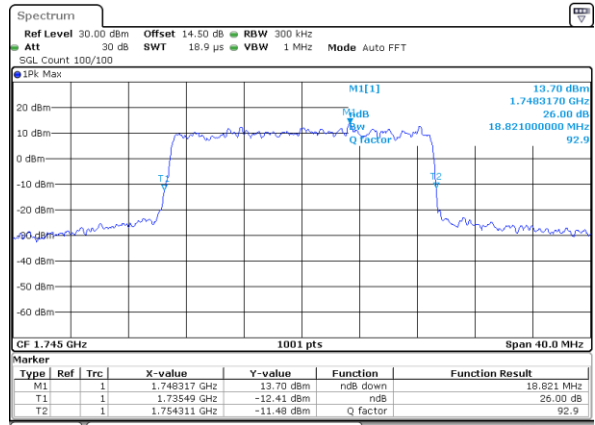
Date: 5,DEC,2019 14:48:18

Highest Channel / 15MHz / 64QAM



Date: 5,DEC,2019 14:42:11

Highest Channel / 20MHz / 64QAM



Date: 5,DEC,2019 14:49:22



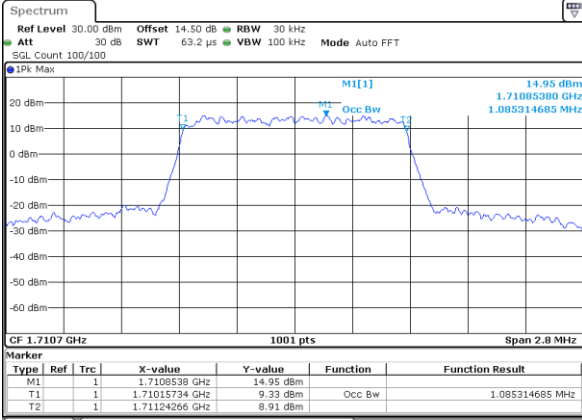
Occupied Bandwidth

| Mode       | LTE Band 4 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                   |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                     | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.09                     | 1.10  | 2.72  | 2.70  | 4.49  | 4.49  | 9.11  | 8.99  | 13.40 | 13.49 | 17.90 | 17.86 |
| Middle CH  | 1.09                     | 1.09  | 2.72  | 2.73  | 4.50  | 4.50  | 8.99  | 9.05  | 13.43 | 13.52 | 17.94 | 17.90 |
| Highest CH | 1.09                     | 1.09  | 2.72  | 2.72  | 4.50  | 4.51  | 9.07  | 8.97  | 13.46 | 13.46 | 17.94 | 17.86 |
| Mode       | LTE Band 4 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                   |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                    |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | 1.09                     | -     | 2.73  | -     | 4.50  | -     | 9.01  | -     | 13.55 | -     | 17.90 | -     |
| Middle CH  | 1.09                     | -     | 2.73  | -     | 4.50  | -     | 9.05  | -     | 13.43 | -     | 17.86 | -     |
| Highest CH | 1.08                     | -     | 2.73  | -     | 4.47  | -     | 9.05  | -     | 13.37 | -     | 17.78 | -     |



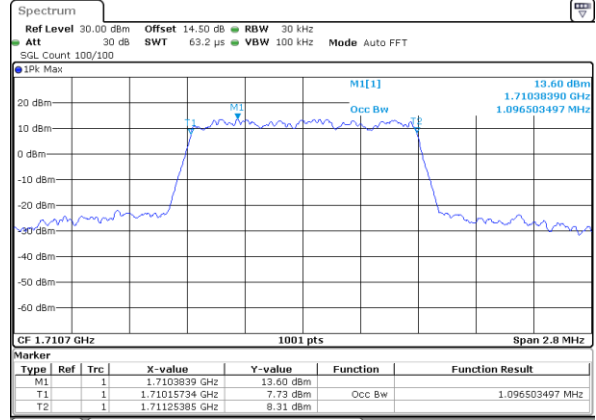
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



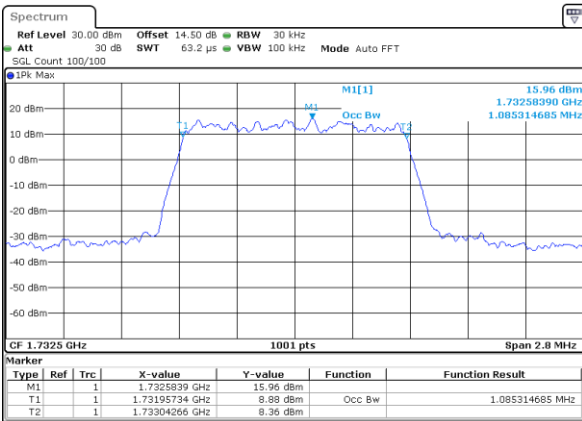
Date: 30.NOV.2019 08:02:25

Lowest Channel / 1.4MHz / 16QAM



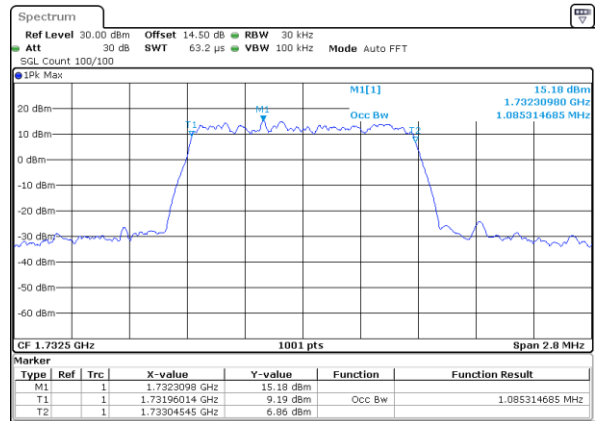
Date: 5.DEC.2019 13:56:22

Middle Channel / 1.4MHz / QPSK



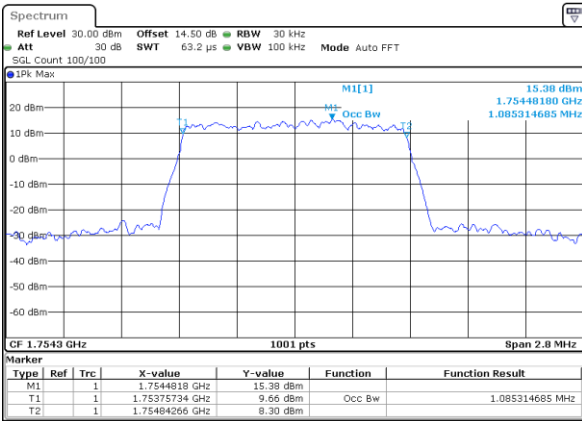
Date: 30.NOV.2019 08:03:48

Middle Channel / 1.4MHz / 16QAM



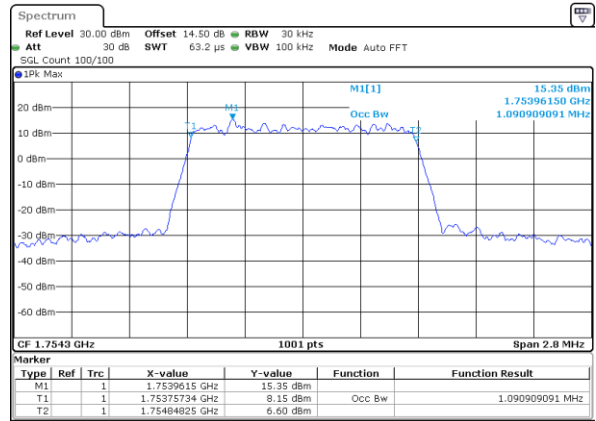
Date: 30.NOV.2019 08:04:00

Highest Channel / 1.4MHz / QPSK



Date: 5.DEC.2019 13:57:05

Highest Channel / 1.4MHz / 16QAM

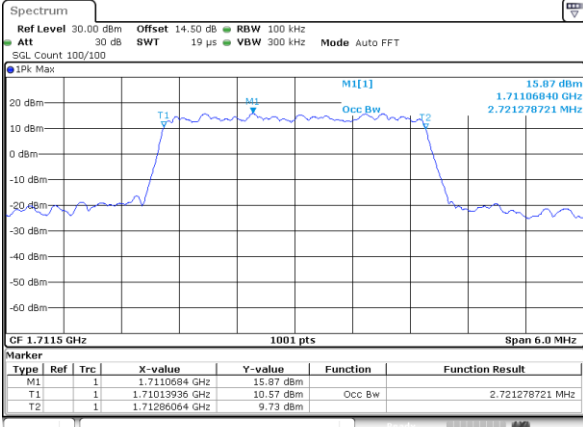


Date: 30.NOV.2019 08:05:00



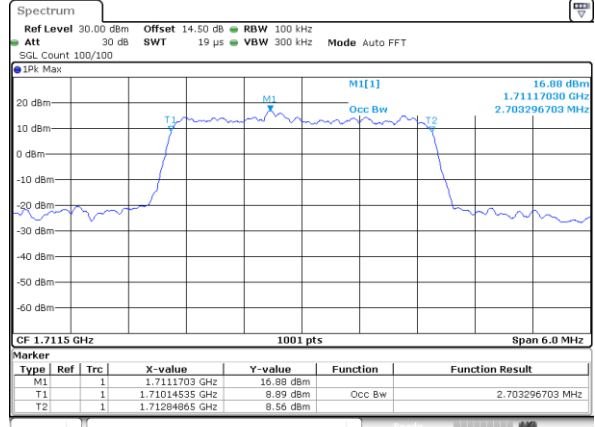
LTE Band 4

Lowest Channel / 3MHz / QPSK



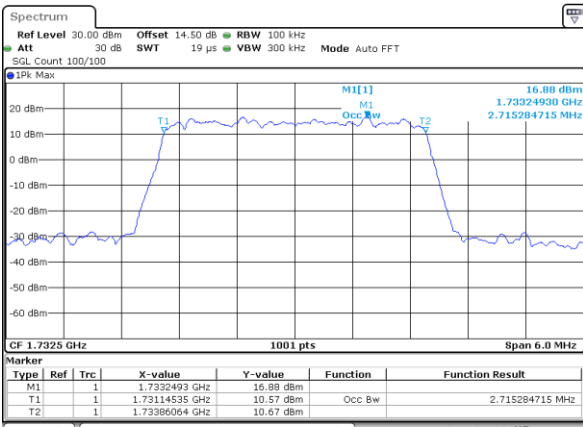
Date: 30,NOV,2019 07:40:27

Lowest Channel / 3MHz / 16QAM



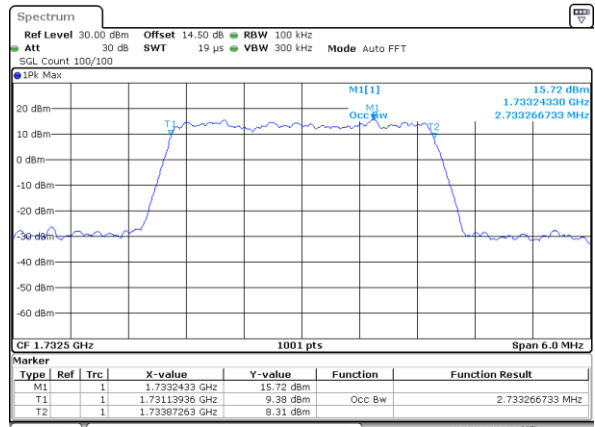
Date: 30,NOV,2019 07:40:39

Middle Channel / 3MHz / QPSK



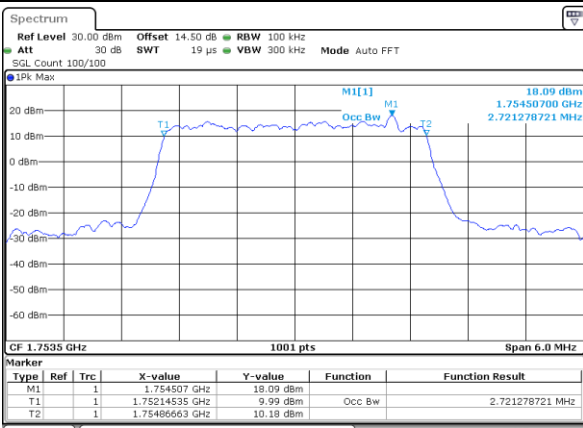
Date: 30,NOV,2019 07:41:12

Middle Channel / 3MHz / 16QAM



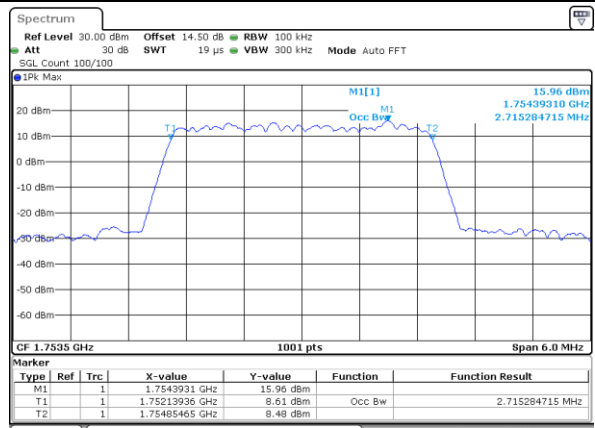
Date: 30,NOV,2019 07:41:23

Highest Channel / 3MHz / QPSK



Date: 30,NOV,2019 07:41:57

Highest Channel / 3MHz / 16QAM

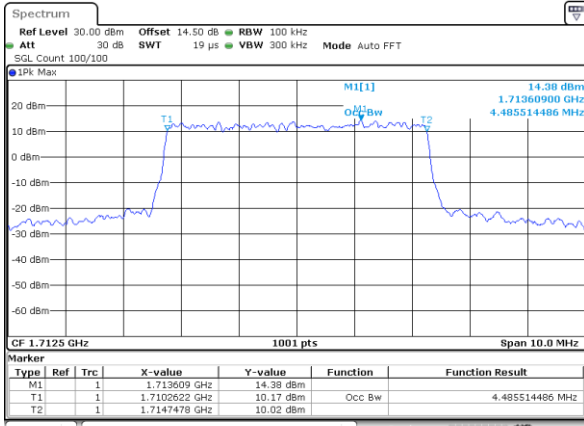


Date: 30,NOV,2019 07:42:08



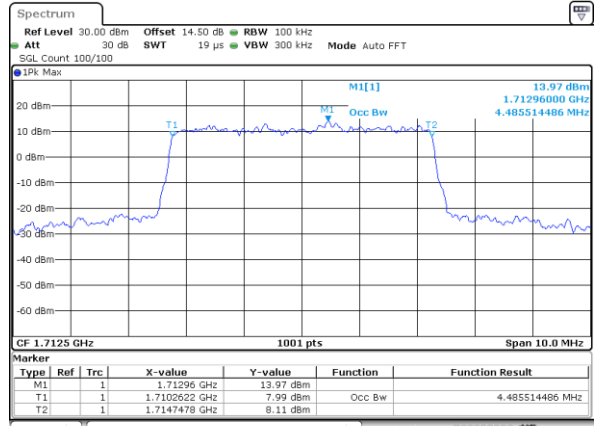
LTE Band 4

Lowest Channel / 5MHz / QPSK



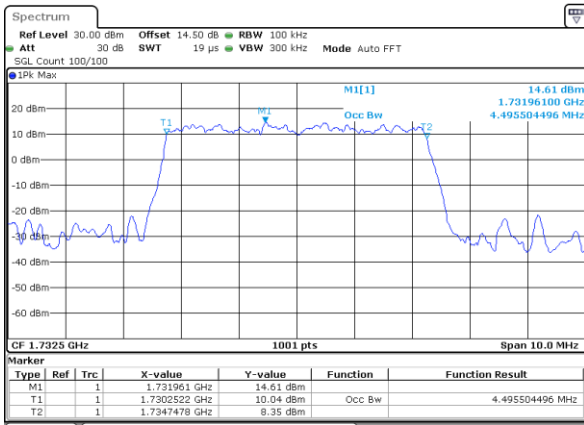
Date: 30,NOV,2019 07:42:41

Lowest Channel / 5MHz / 16QAM



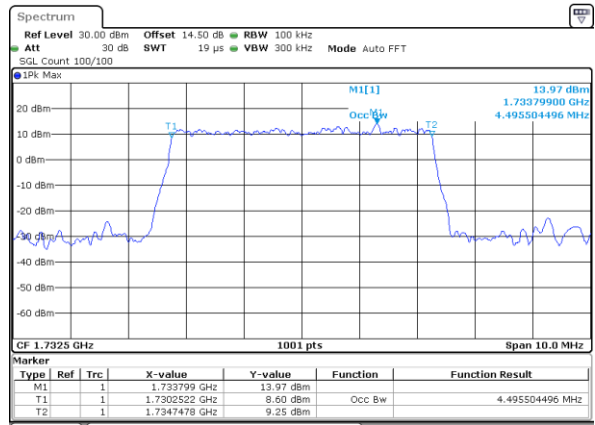
Date: 30,NOV,2019 07:42:53

Middle Channel / 5MHz / QPSK



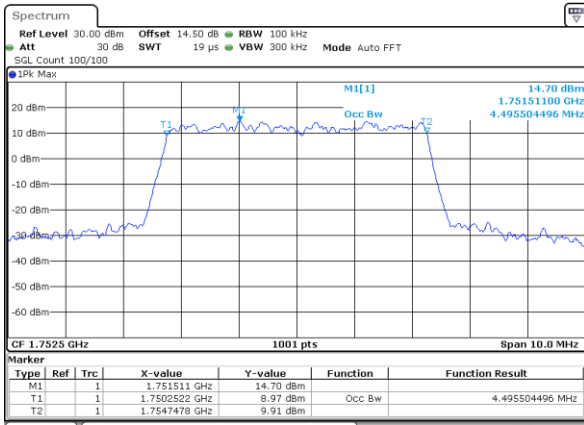
Date: 30,NOV,2019 07:43:26

Middle Channel / 5MHz / 16QAM



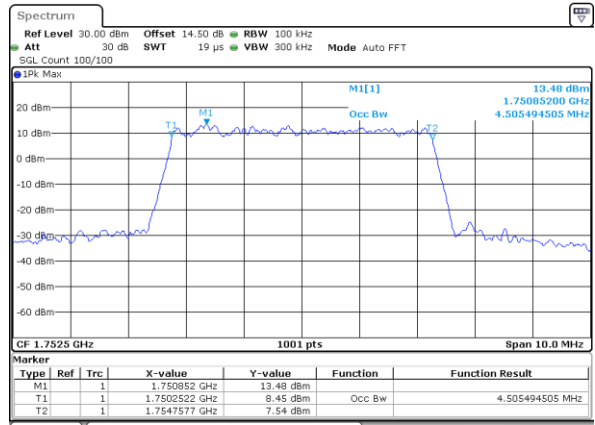
Date: 30,NOV,2019 07:43:37

Highest Channel / 5MHz / QPSK



Date: 30,NOV,2019 07:44:11

Highest Channel / 5MHz / 16QAM

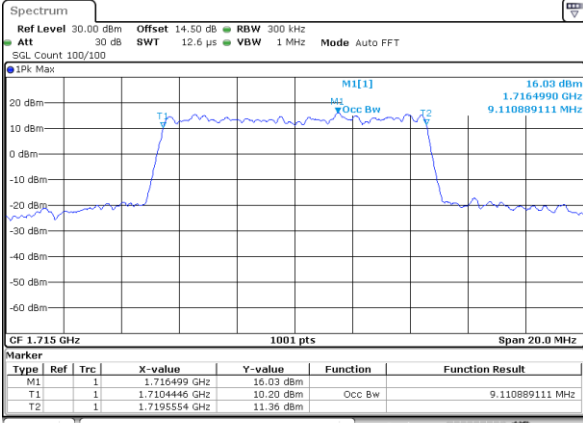


Date: 30,NOV,2019 07:44:22



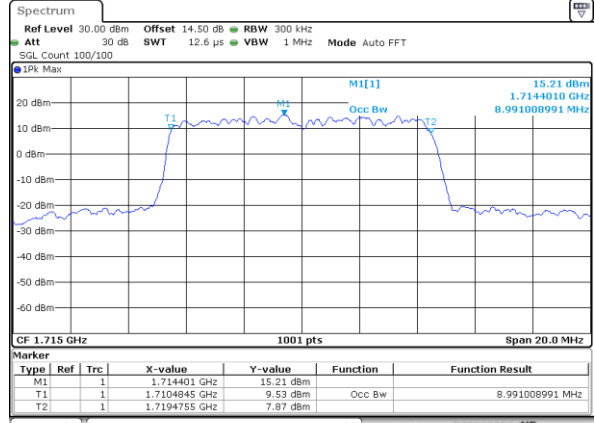
LTE Band 4

Lowest Channel / 10MHz / QPSK



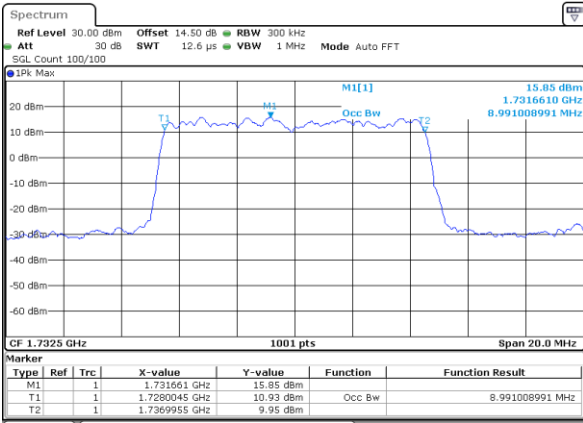
Date: 30.NOV.2019 07:44:55

Lowest Channel / 10MHz / 16QAM



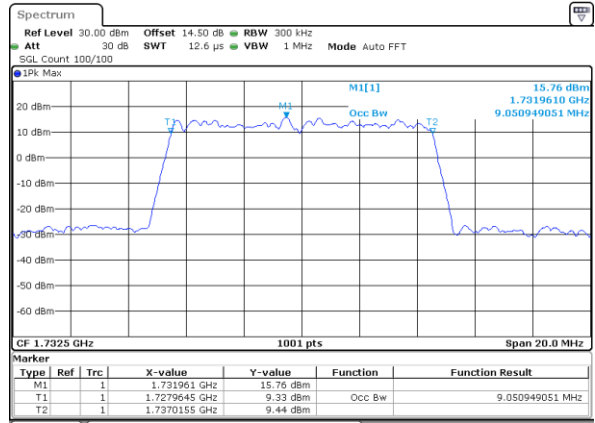
Date: 30.NOV.2019 07:45:06

Middle Channel / 10MHz / QPSK



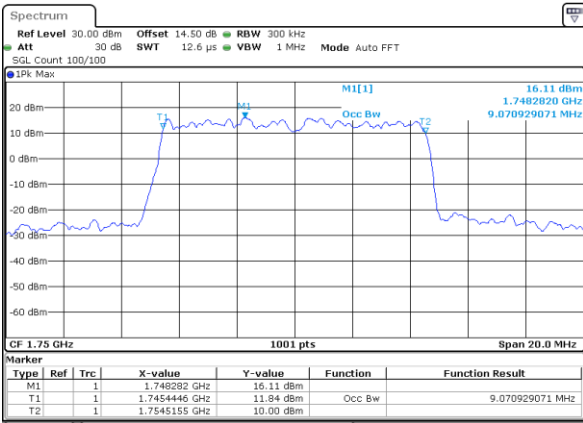
Date: 30.NOV.2019 07:45:40

Middle Channel / 10MHz / 16QAM



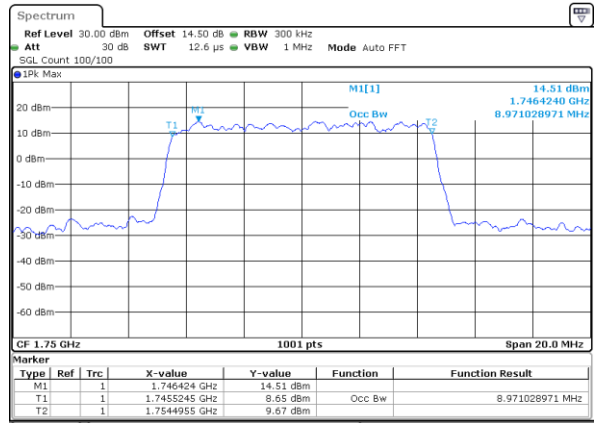
Date: 30.NOV.2019 07:45:51

Highest Channel / 10MHz / QPSK



Date: 30.NOV.2019 07:46:24

Highest Channel / 10MHz / 16QAM

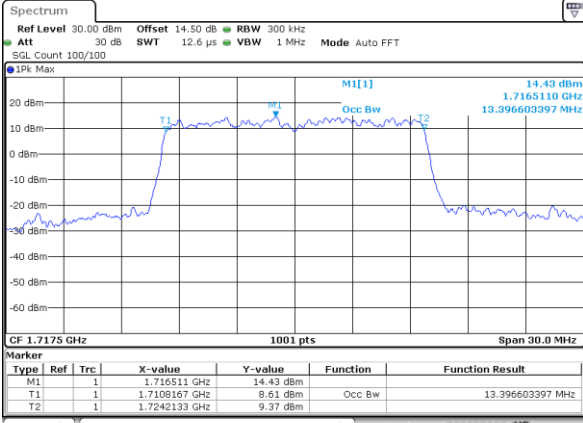


Date: 30.NOV.2019 07:46:36



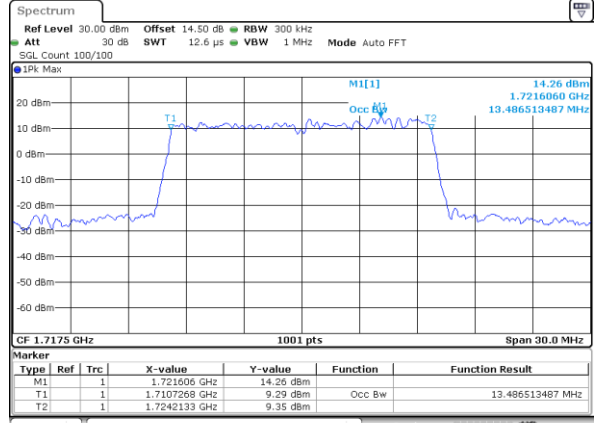
LTE Band 4

Lowest Channel / 15MHz / QPSK



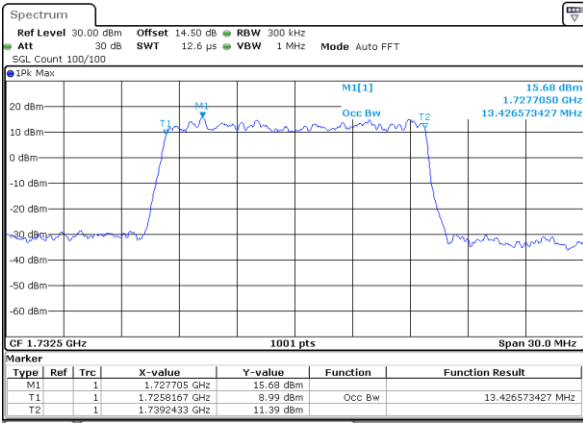
Date: 30,NOV,2019 07:47:09

Lowest Channel / 15MHz / 16QAM



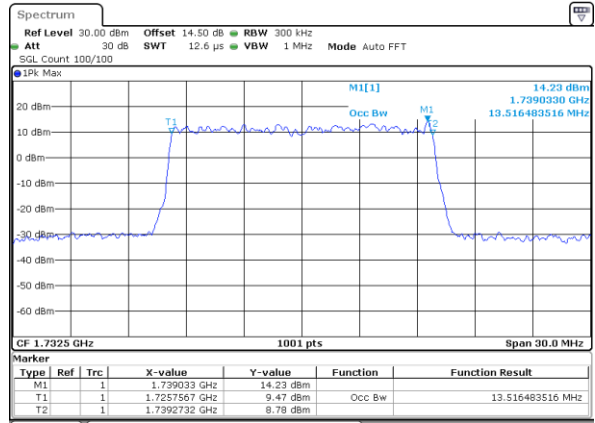
Date: 30,NOV,2019 07:47:120

Middle Channel / 15MHz / QPSK



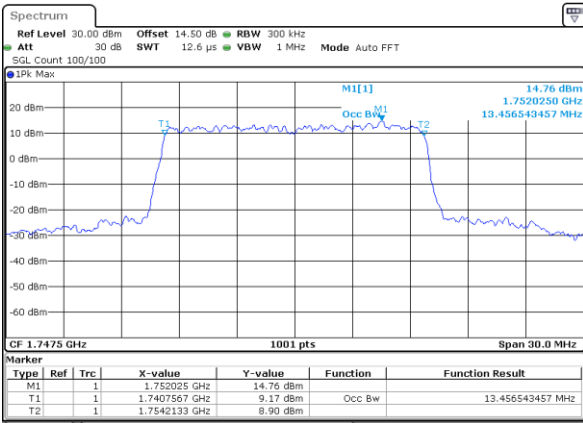
Date: 30,NOV,2019 07:47:54

Middle Channel / 15MHz / 16QAM



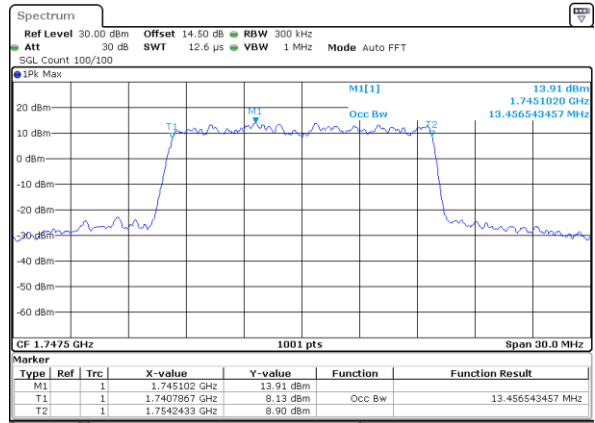
Date: 30,NOV,2019 07:48:105

Highest Channel / 15MHz / QPSK



Date: 30,NOV,2019 07:48:138

Highest Channel / 15MHz / 16QAM

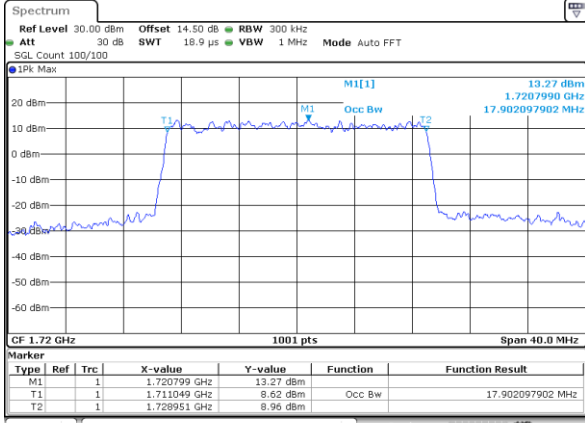


Date: 30,NOV,2019 07:48:149



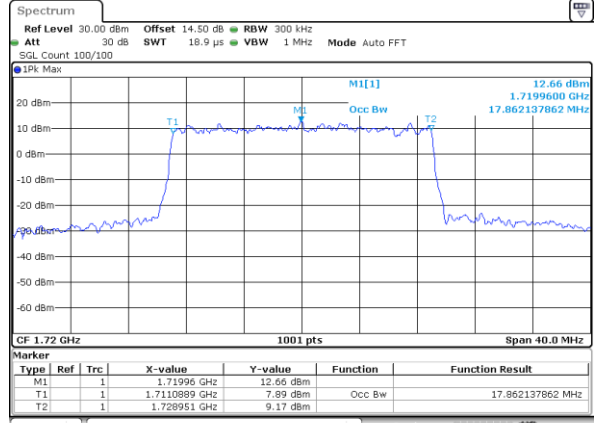
LTE Band 4

Lowest Channel / 20MHz / QPSK



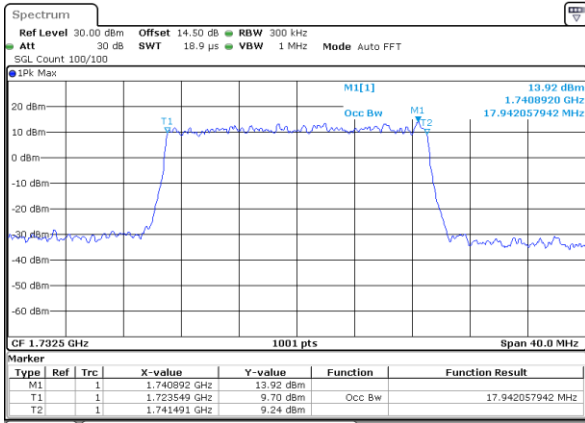
Date: 30,NOV,2019 07:49:23

Lowest Channel / 20MHz / 16QAM



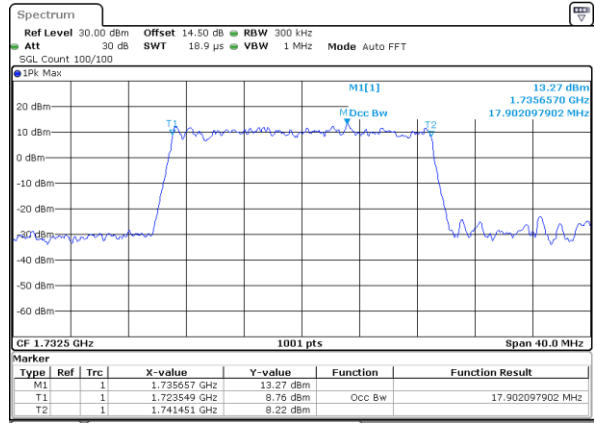
Date: 30,NOV,2019 07:49:34

Middle Channel / 20MHz / QPSK



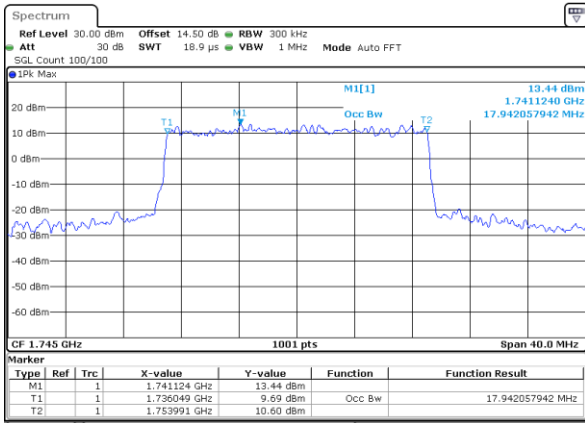
Date: 30,NOV,2019 07:50:07

Middle Channel / 20MHz / 16QAM



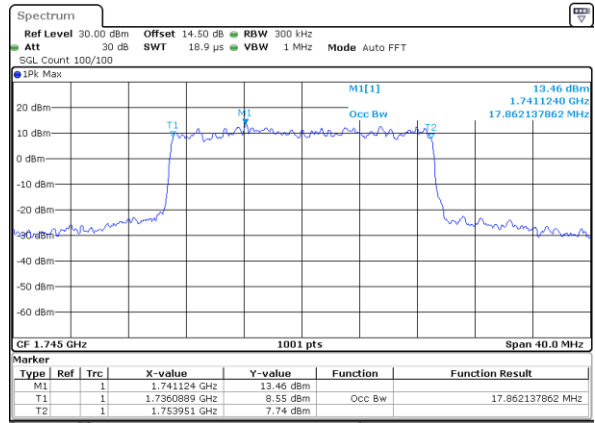
Date: 30,NOV,2019 07:50:19

Highest Channel / 20MHz / QPSK



Date: 30,NOV,2019 07:50:52

Highest Channel / 20MHz / 16QAM



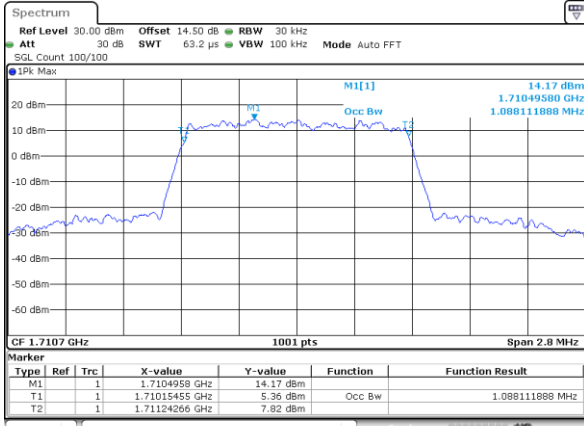
Date: 30,NOV,2019 07:51:03





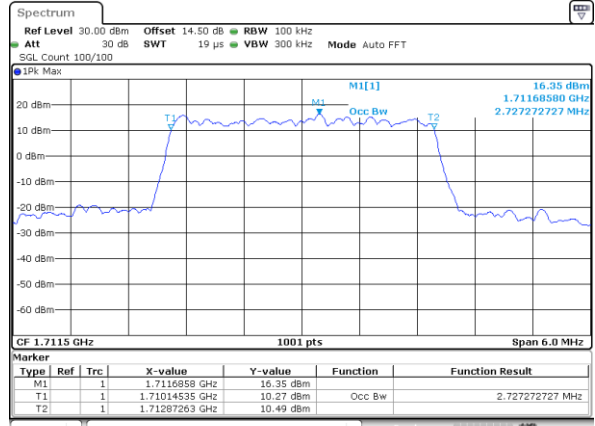
LTE Band 4

Lowest Channel / 1.4MHz / 64QAM



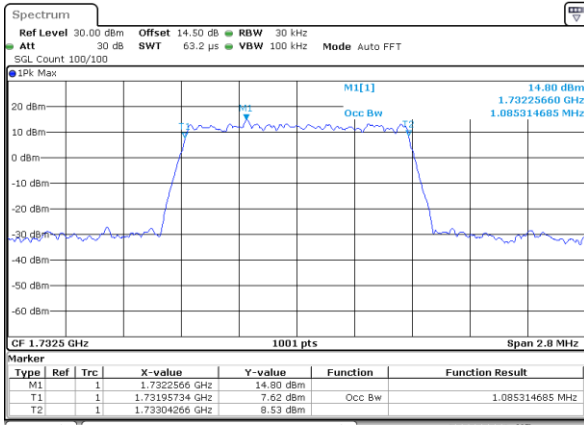
Date: 30.NOV.2019 08:22:08

Lowest Channel / 3MHz / 64QAM



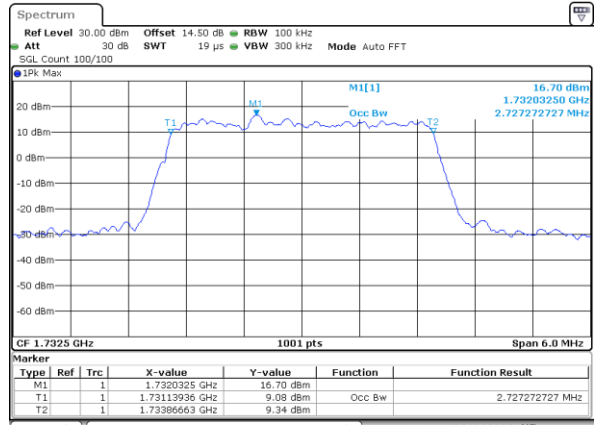
Date: 5.DEC.2019 14:06:54

Middle Channel / 1.4MHz / 64QAM



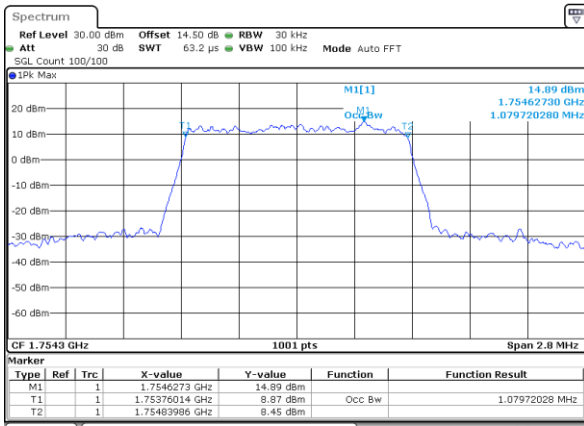
Date: 30.NOV.2019 08:27:09

Middle Channel / 3MHz / 64QAM



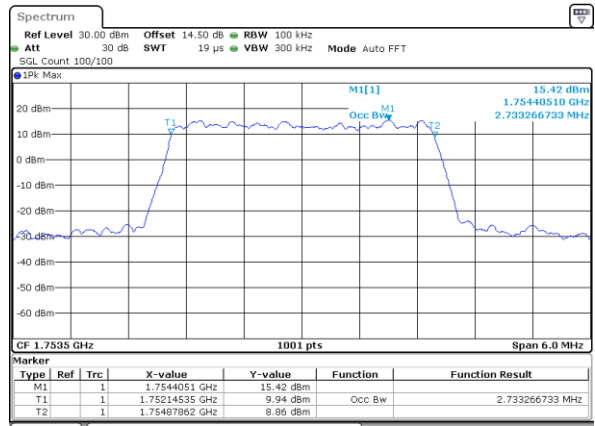
Date: 5.DEC.2019 14:10:05

Highest Channel / 1.4MHz / 64QAM



Date: 30.NOV.2019 08:28:03

Highest Channel / 3MHz / 64QAM

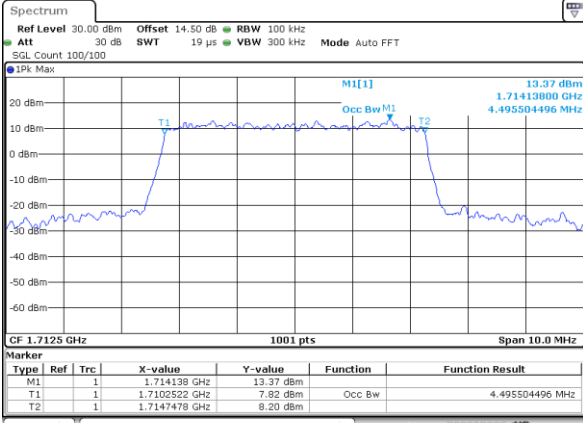


Date: 5.DEC.2019 14:10:49



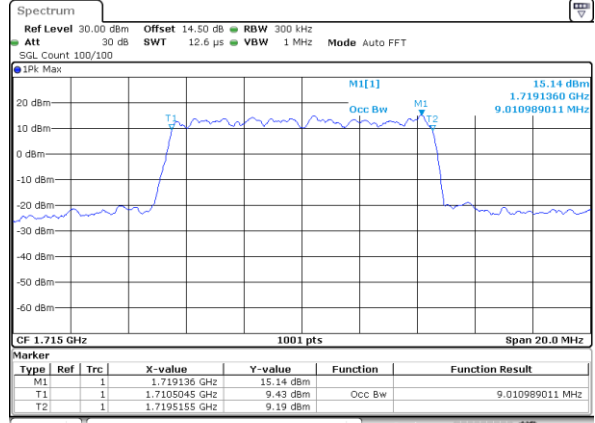
LTE Band 4

Lowest Channel / 5MHz / 64QAM



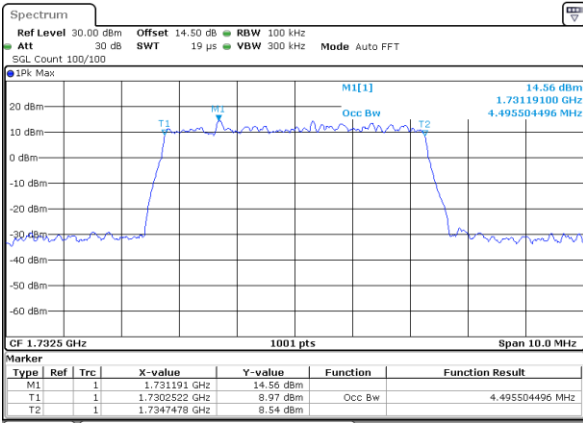
Date: 5,DEC,2019 14:23:28

Lowest Channel / 10MHz / 64QAM



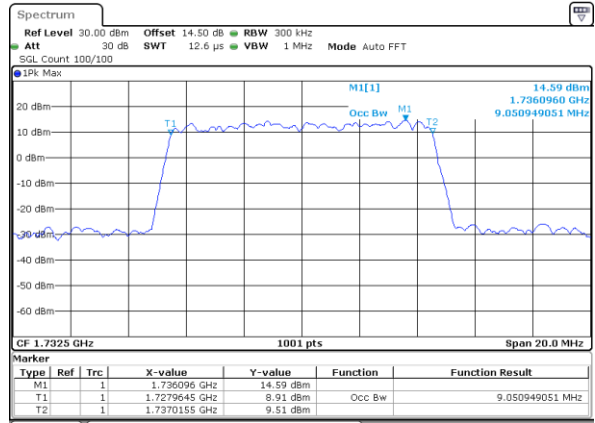
Date: 5,DEC,2019 14:30:40

Middle Channel / 5MHz / 64QAM



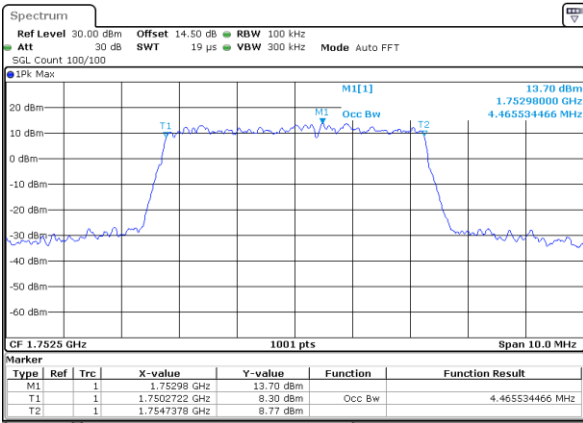
Date: 5,DEC,2019 14:26:32

Middle Channel / 10MHz / 64QAM



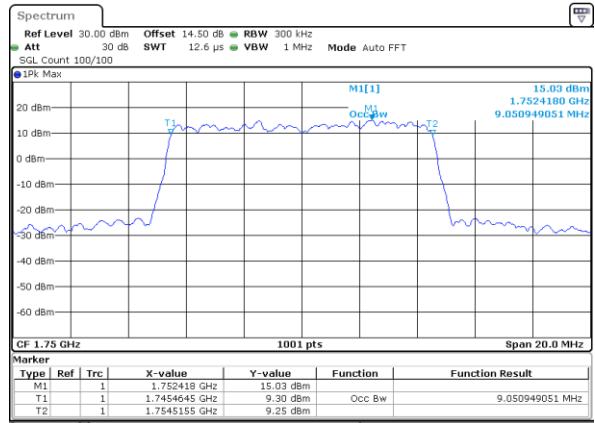
Date: 5,DEC,2019 14:33:44

Highest Channel / 5MHz / 64QAM



Date: 5,DEC,2019 14:27:36

Highest Channel / 10MHz / 64QAM

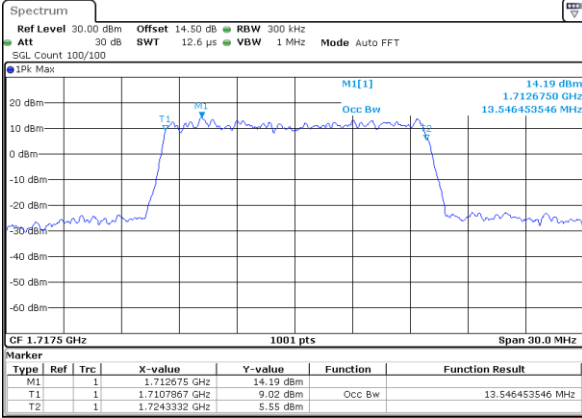


Date: 5,DEC,2019 14:34:48



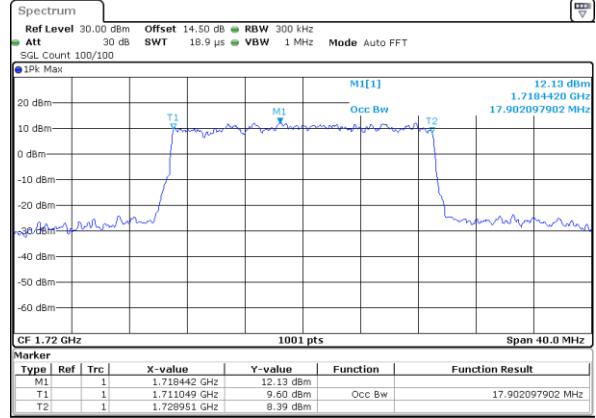
LTE Band 4

Lowest Channel / 15MHz / 64QAM



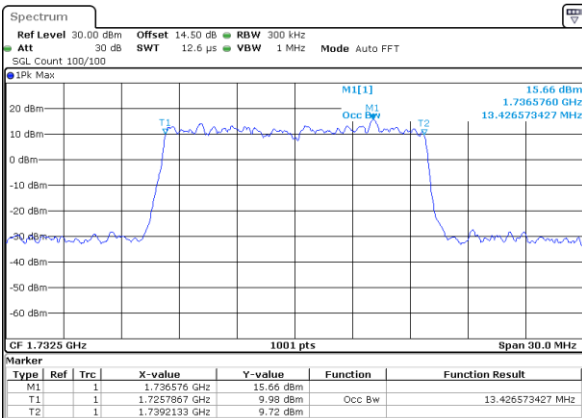
Date: 5,DEC,2019 14:37:52

Lowest Channel / 20MHz / 64QAM



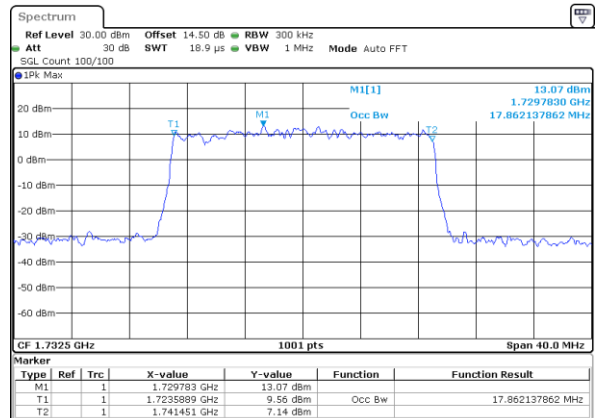
Date: 5,DEC,2019 14:45:03

Middle Channel / 15MHz / 64QAM



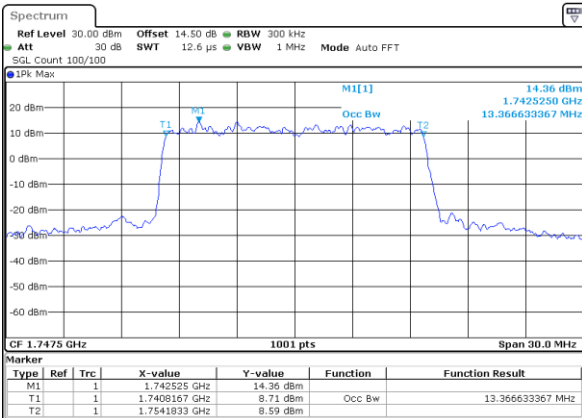
Date: 5,DEC,2019 14:40:56

Middle Channel / 20MHz / 64QAM



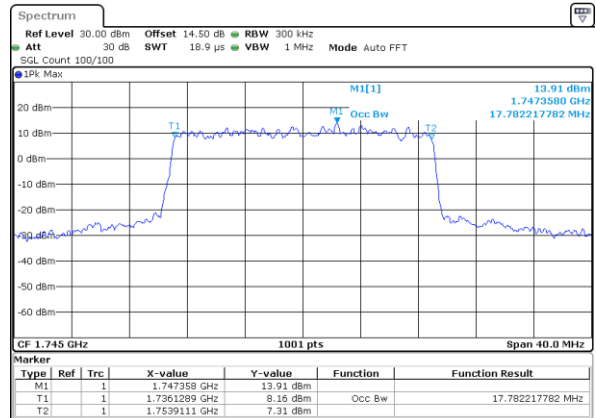
Date: 5,DEC,2019 14:48:07

Highest Channel / 15MHz / 64QAM



Date: 5,DEC,2019 14:42:00

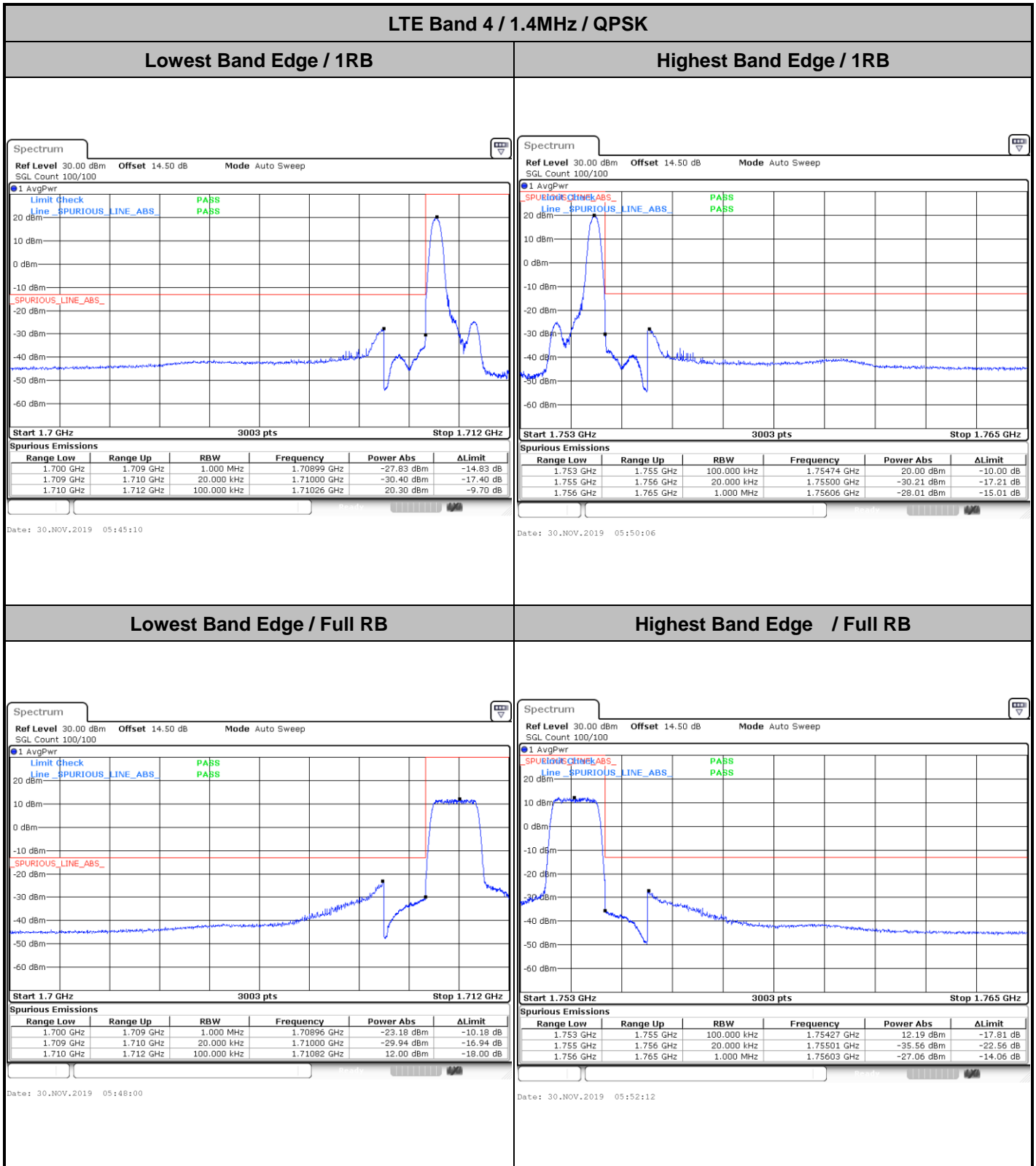
Highest Channel / 20MHz / 64QAM



Date: 5,DEC,2019 14:49:11



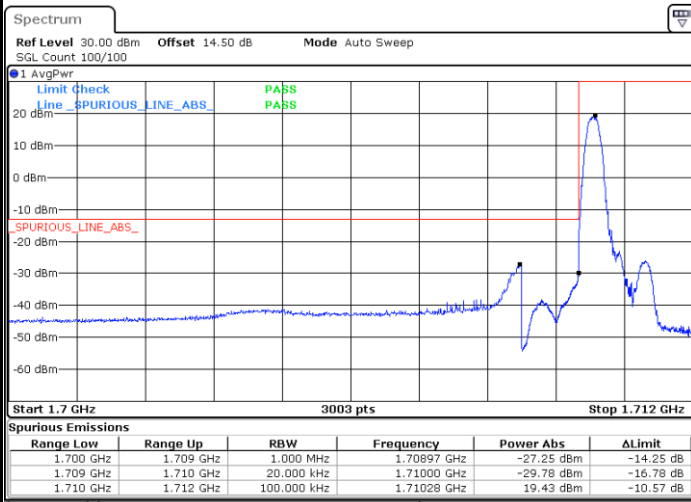
# Conducted Band Edge





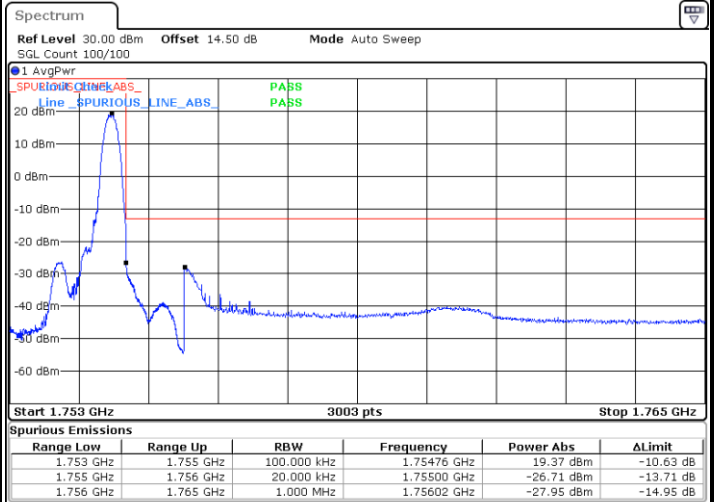
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



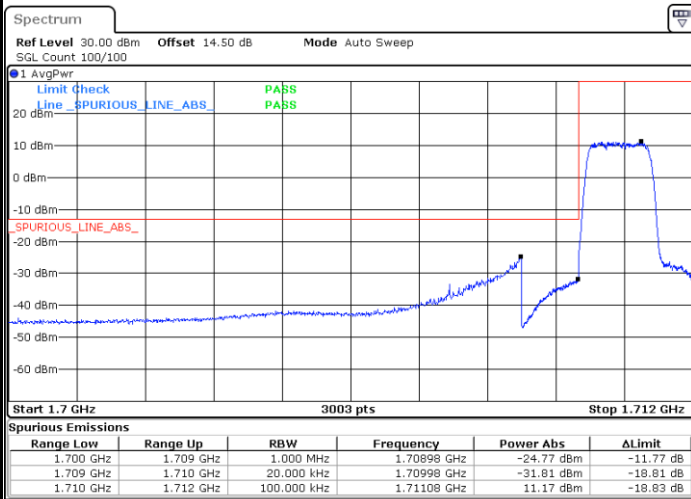
Date: 30.NOV.2019 05:46:57

Highest Band Edge / 1 RB



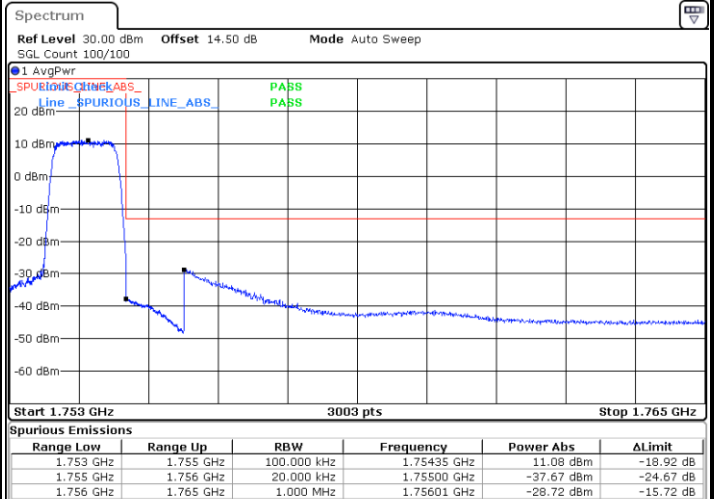
Date: 30.NOV.2019 05:51:09

Lowest Band Edge / Full RB



Date: 30.NOV.2019 05:49:03

Highest Band Edge / Full RB

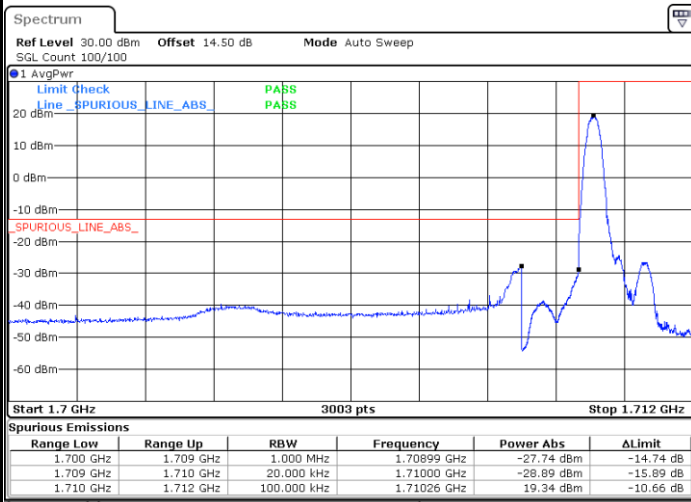


Date: 30.NOV.2019 05:53:16



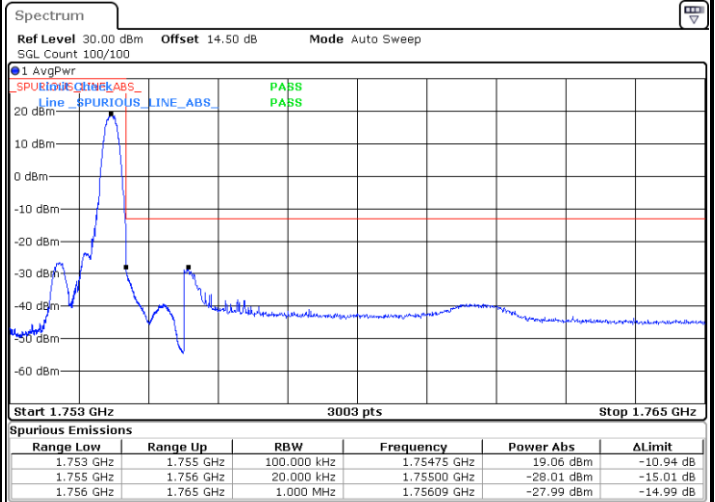
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



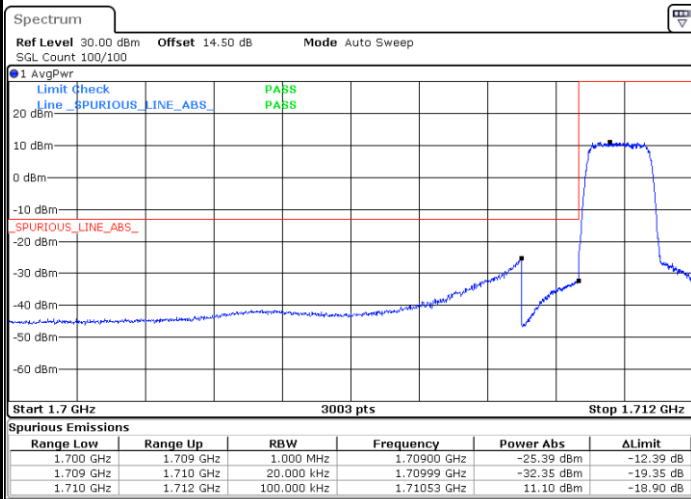
Date: 5.DEC.2019 14:04:54

Highest Band Edge / 1 RB



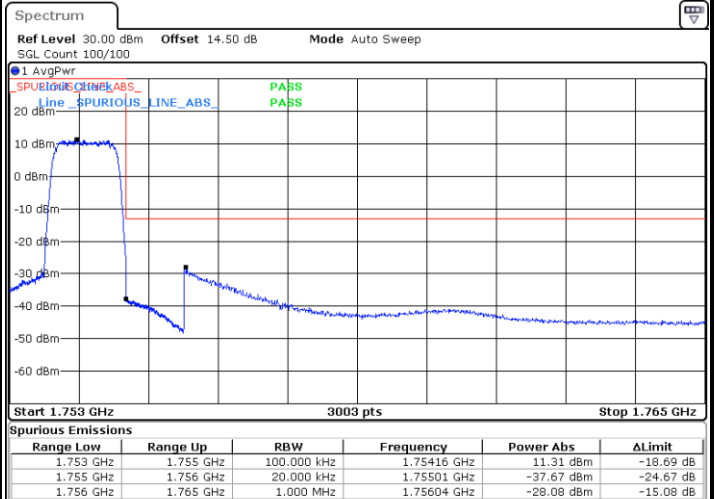
Date: 5.DEC.2019 14:00:51

Lowest Band Edge / Full RB



Date: 5.DEC.2019 14:06:00

Highest Band Edge / Full RB

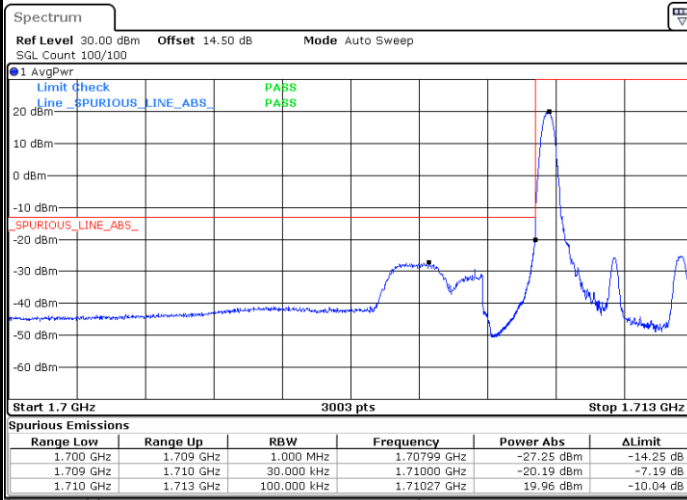


Date: 5.DEC.2019 14:01:58



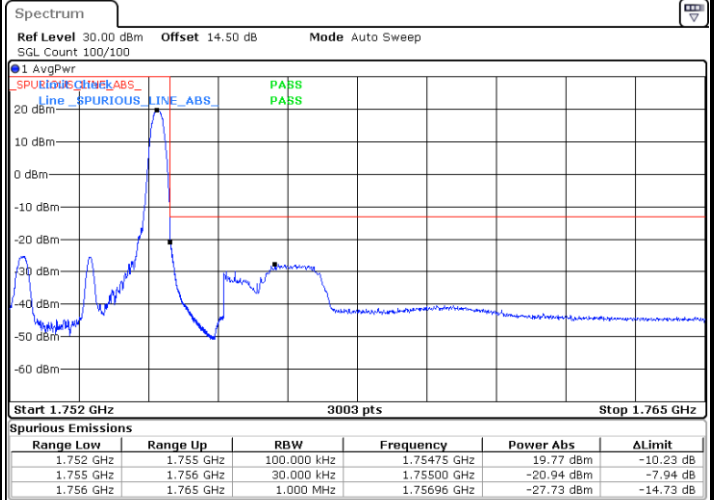
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



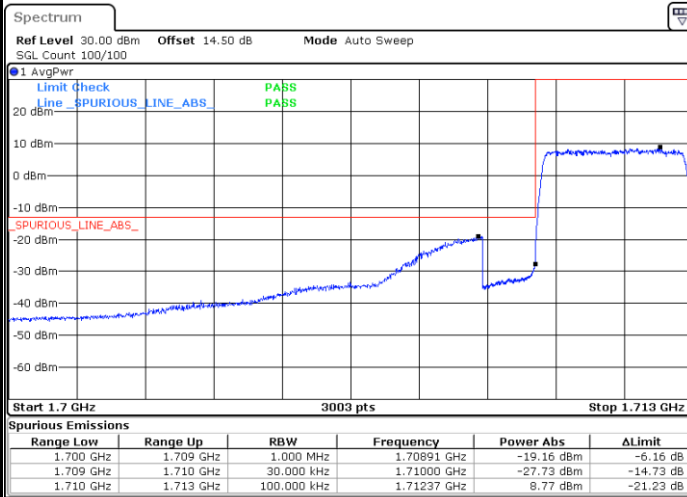
Date: 30.NOV.2019 05:54:16

Highest Band Edge / 1 RB



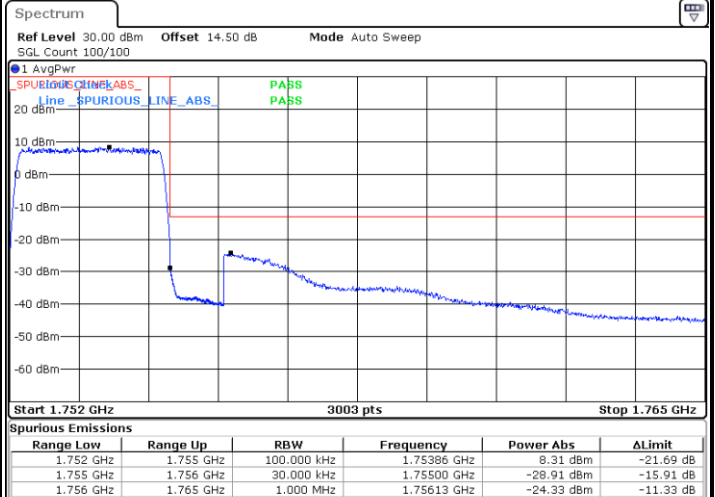
Date: 30.NOV.2019 05:58:16

Lowest Band Edge / Full RB



Date: 30.NOV.2019 05:56:16

Highest Band Edge / Full RB

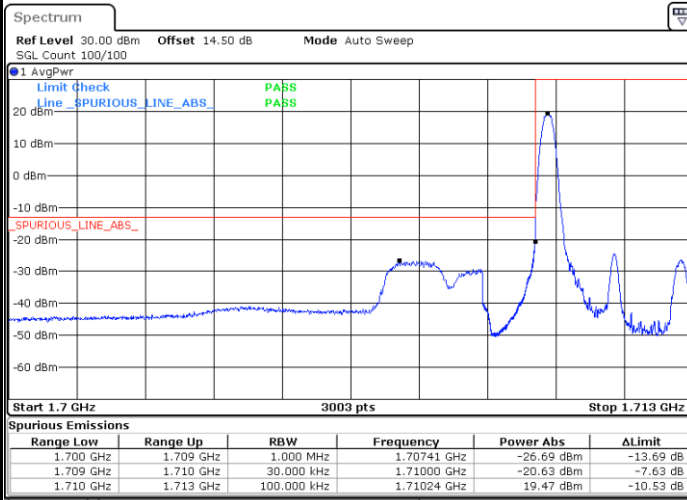


Date: 30.NOV.2019 06:00:17



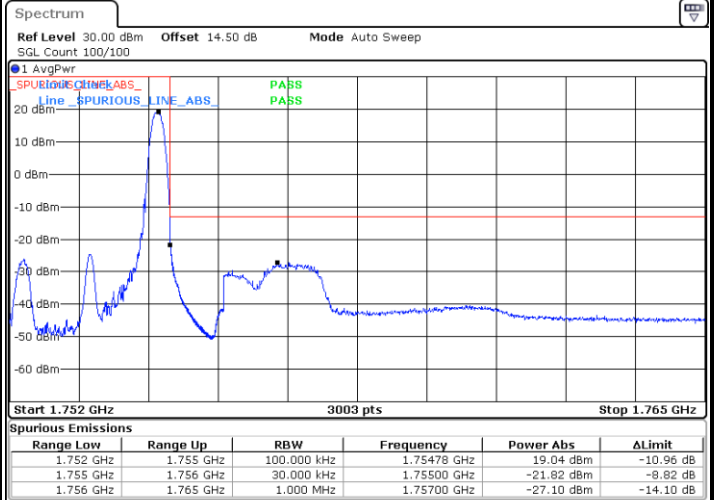
LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



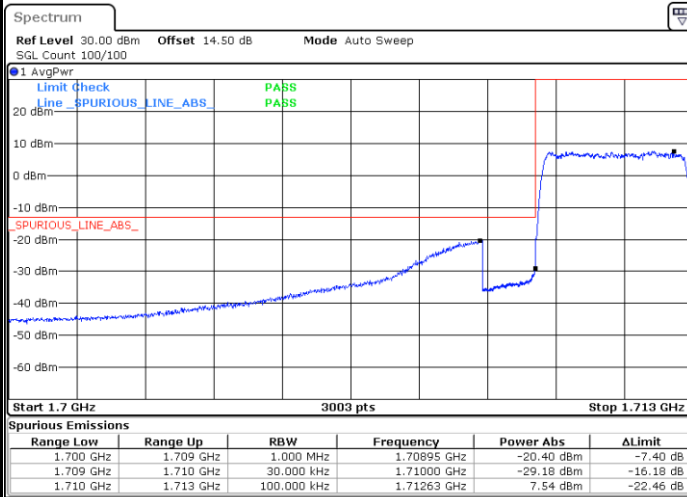
Date: 30.NOV.2019 05:55:16

Highest Band Edge / 1 RB



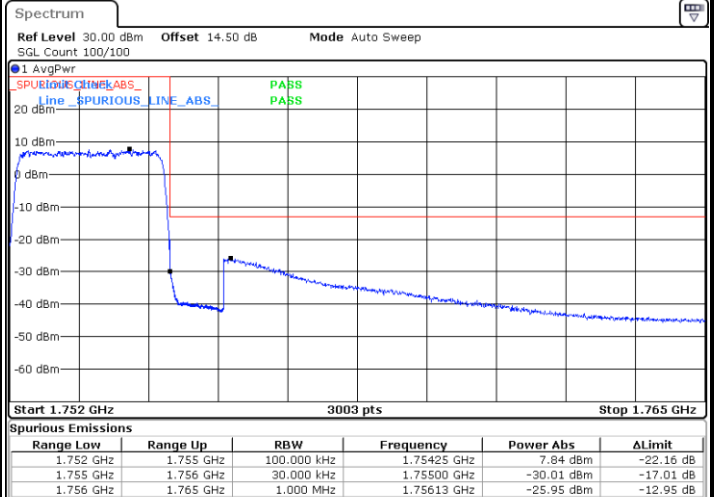
Date: 30.NOV.2019 05:59:17

Lowest Band Edge / Full RB



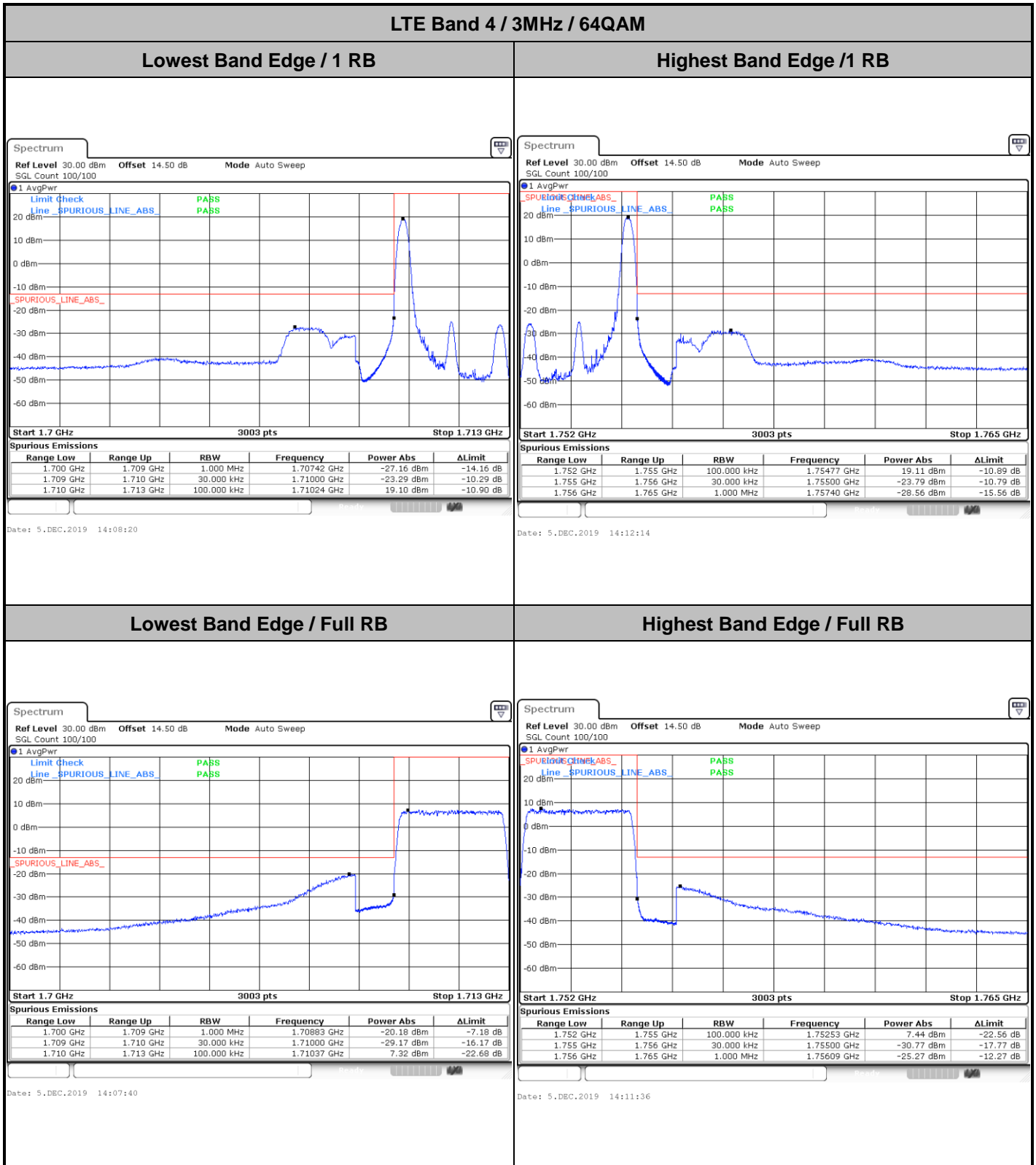
Date: 30.NOV.2019 05:57:16

Highest Band Edge / Full RB



Date: 30.NOV.2019 06:01:17

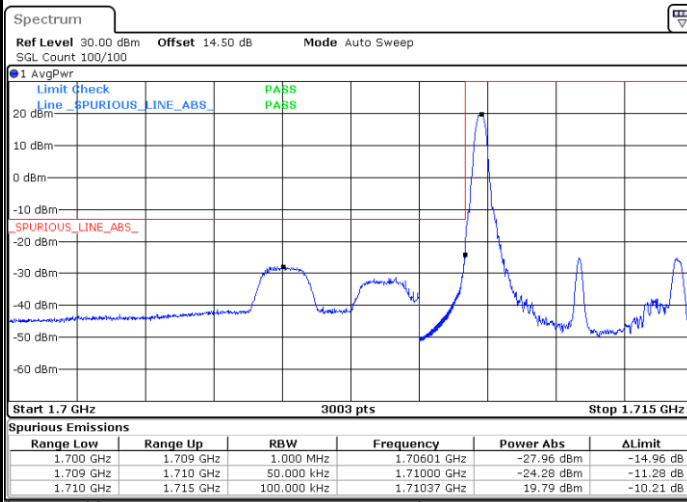






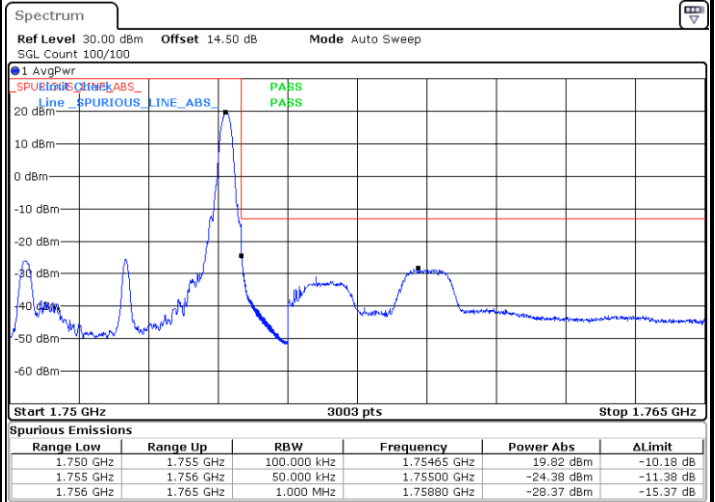
LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB



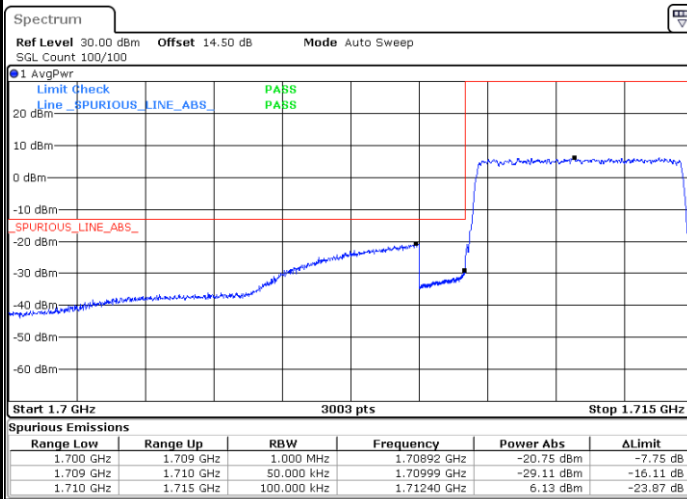
Date: 30.NOV.2019 06:02:17

Highest Band Edge / 1 RB



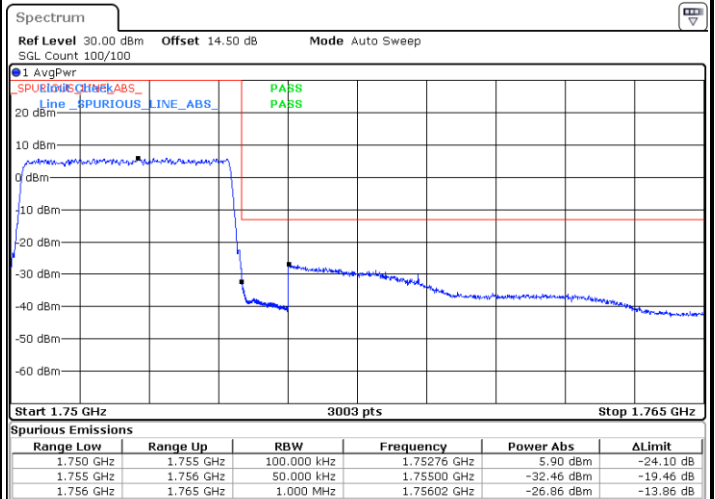
Date: 30.NOV.2019 06:06:17

Lowest Band Edge / Full RB



Date: 30.NOV.2019 06:04:17

Highest Band Edge / Full RB

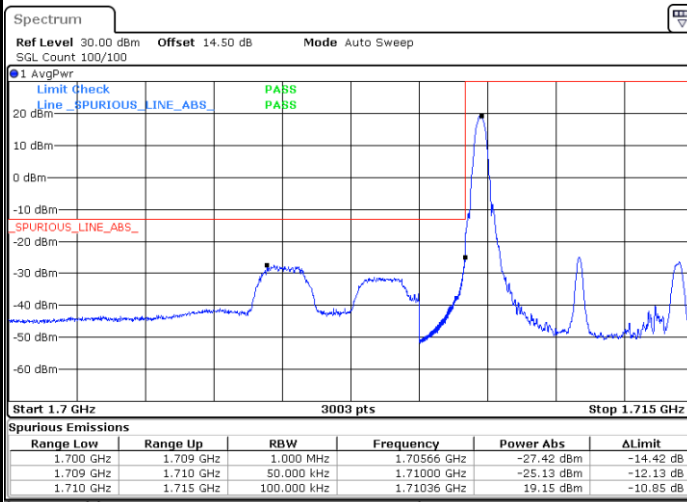


Date: 5.DEC.2019 15:39:18



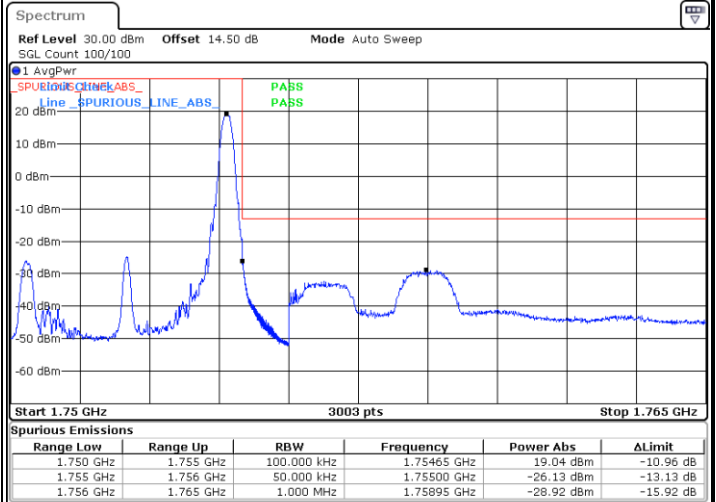
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



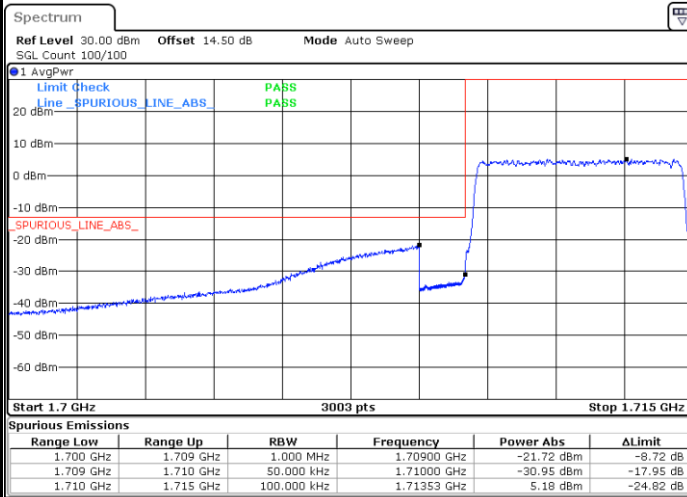
Date: 30.NOV.2019 06:03:17

Highest Band Edge / 1 RB



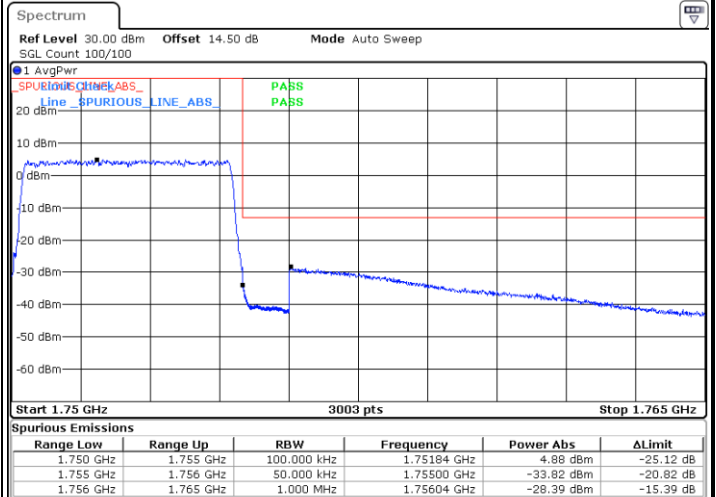
Date: 30.NOV.2019 06:07:18

Lowest Band Edge / Full RB



Date: 30.NOV.2019 06:05:17

Highest Band Edge / Full RB

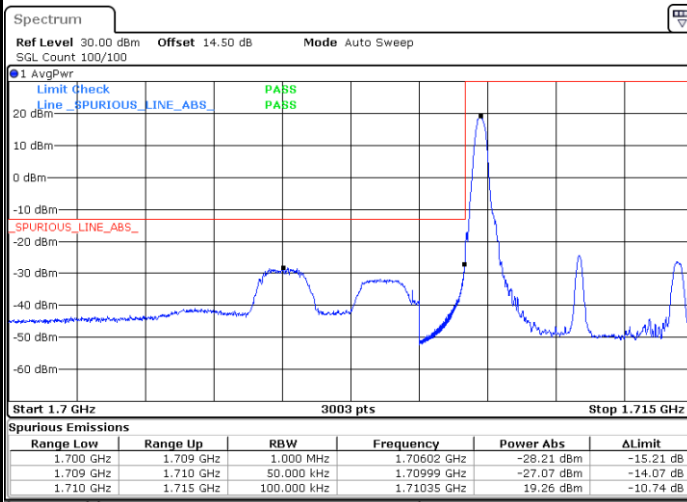


Date: 5.DEC.2019 15:42:10



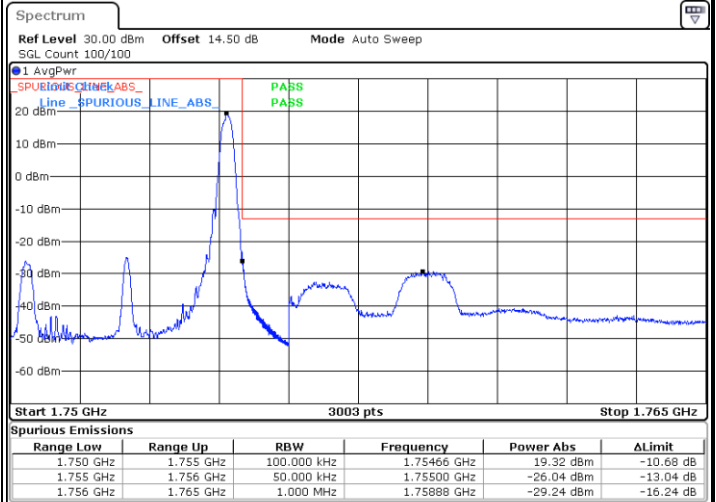
LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / 1RB



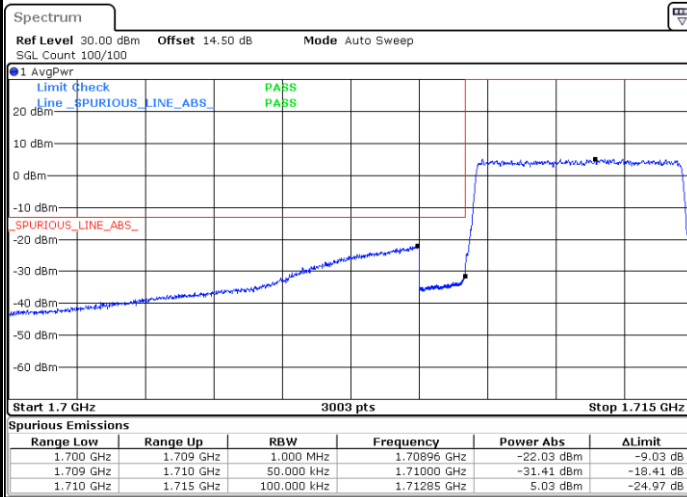
Date: 5.DEC.2019 14:24:39

Highest Band Edge / 1 RB



Date: 5.DEC.2019 14:28:46

Lowest Band Edge / Full RB



Date: 5.DEC.2019 14:25:39

Highest Band Edge / Full RB

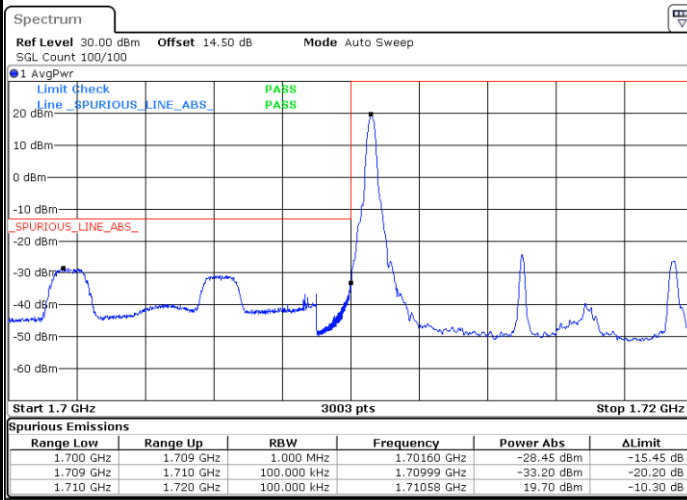


Date: 5.DEC.2019 14:29:46



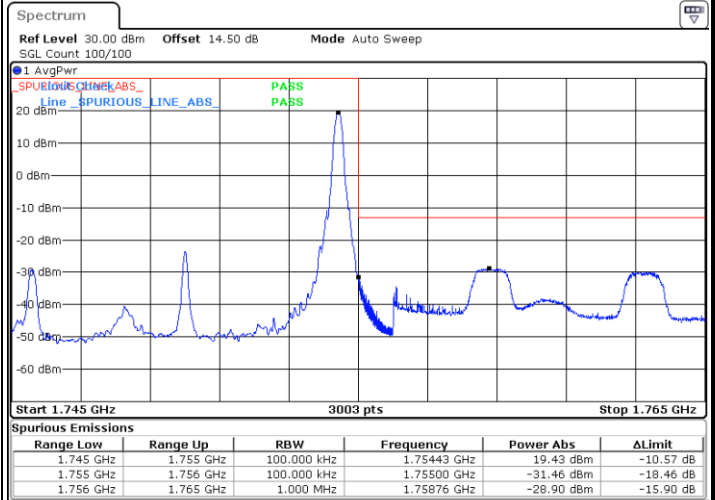
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



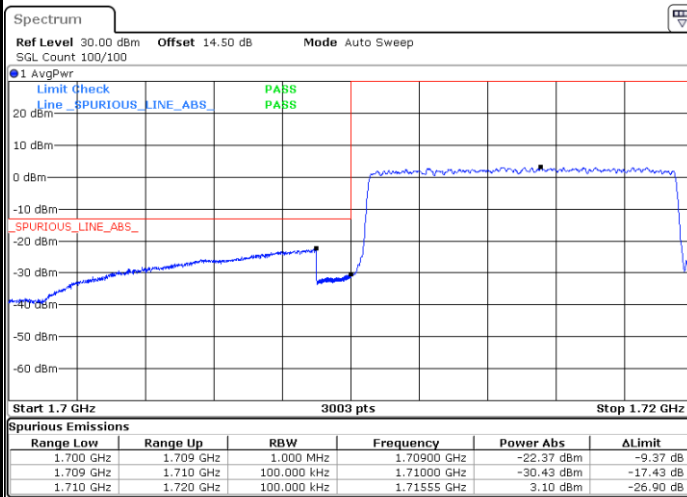
Date: 5.DEC.2019 15:43:09

Highest Band Edge / 1 RB



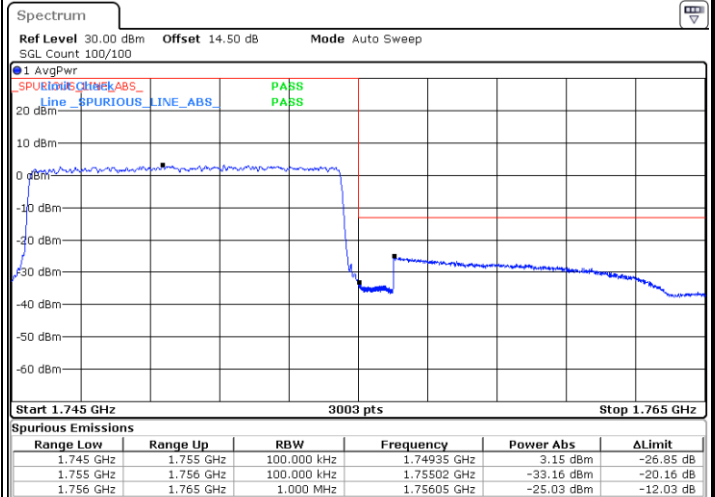
Date: 5.DEC.2019 15:43:39

Lowest Band Edge / Full RB



Date: 5.DEC.2019 15:51:04

Highest Band Edge / Full RB

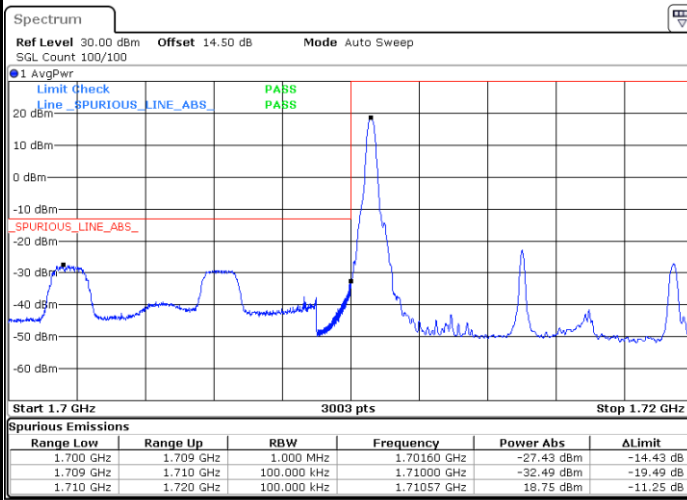


Date: 5.DEC.2019 15:51:30



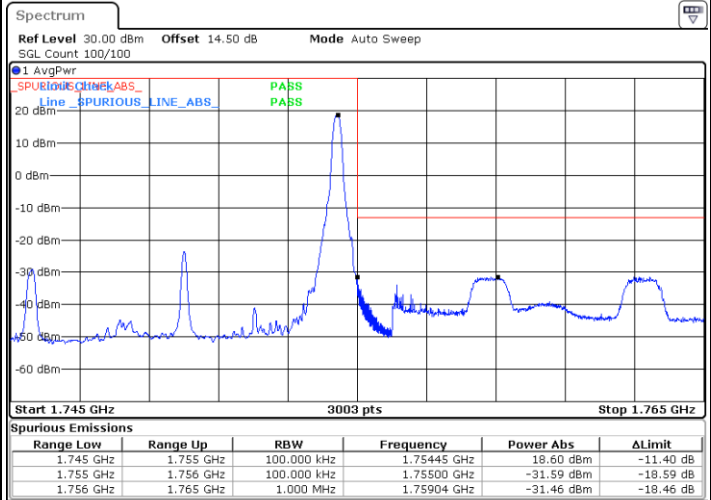
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



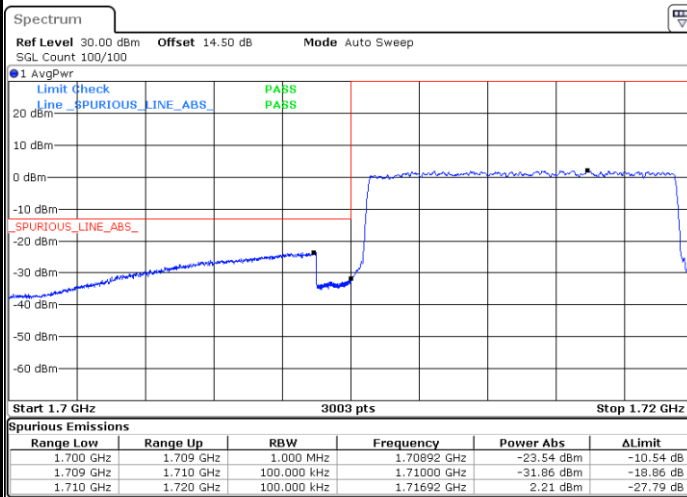
Date: 5.DEC.2019 15:44:48

Highest Band Edge / 1 RB



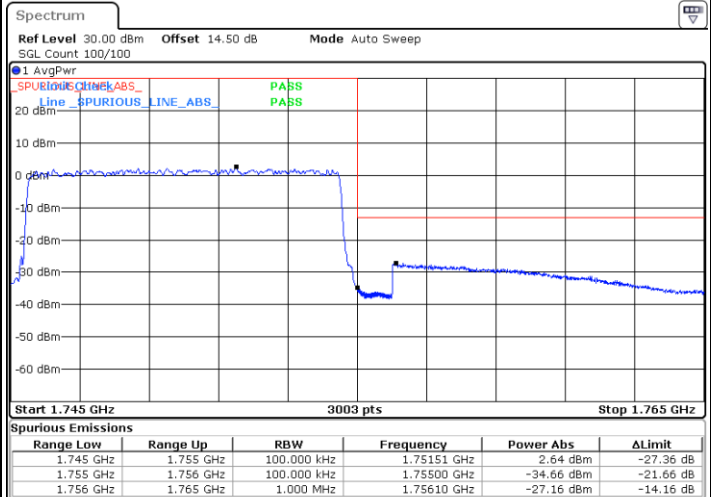
Date: 5.DEC.2019 15:43:55

Lowest Band Edge / Full RB



Date: 5.DEC.2019 15:46:10

Highest Band Edge / Full RB

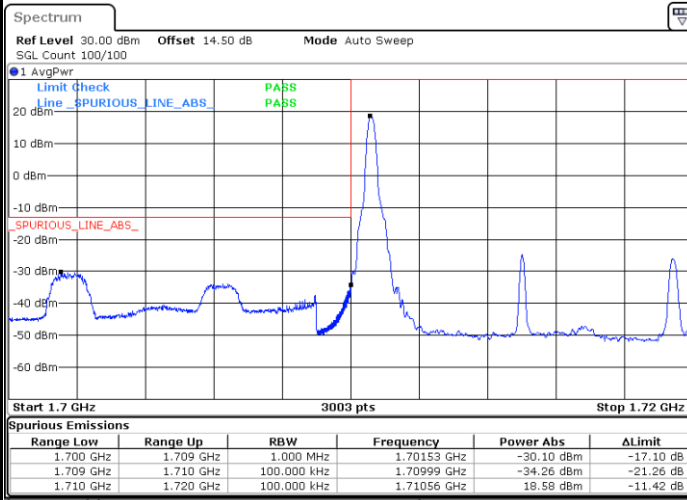


Date: 5.DEC.2019 15:46:31



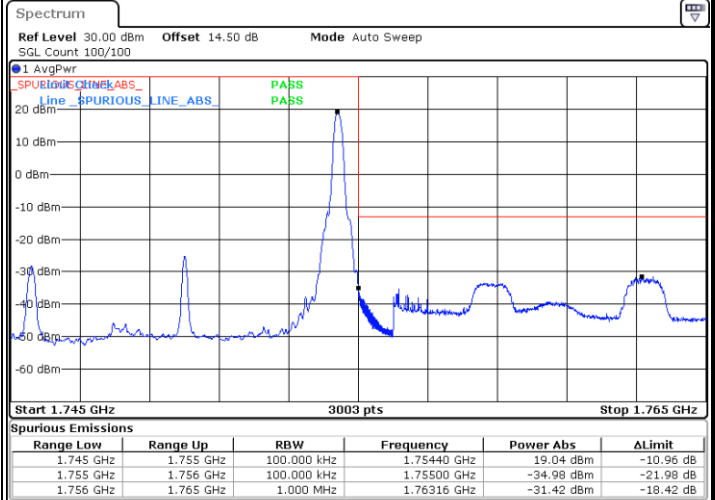
LTE Band 4 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



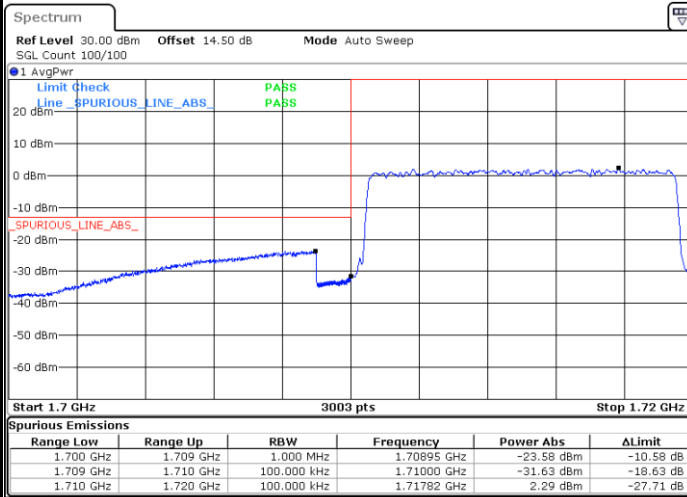
Date: 5.DEC.2019 14:31:50

Highest Band Edge / 1 RB



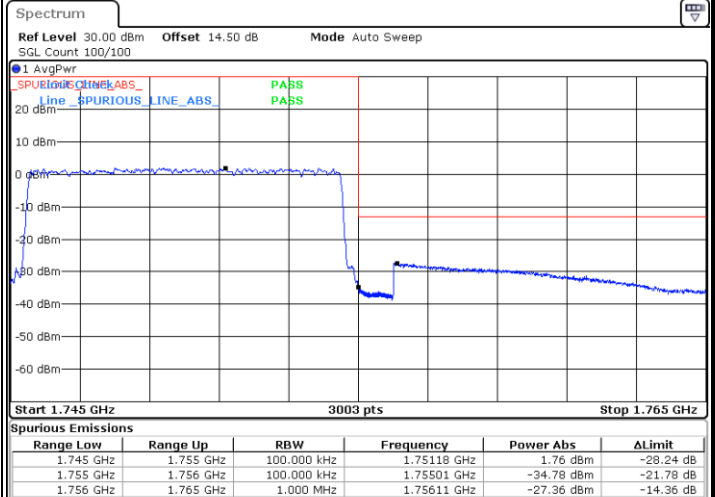
Date: 5.DEC.2019 14:35:58

Lowest Band Edge / Full RB



Date: 5.DEC.2019 14:32:50

Highest Band Edge / Full RB

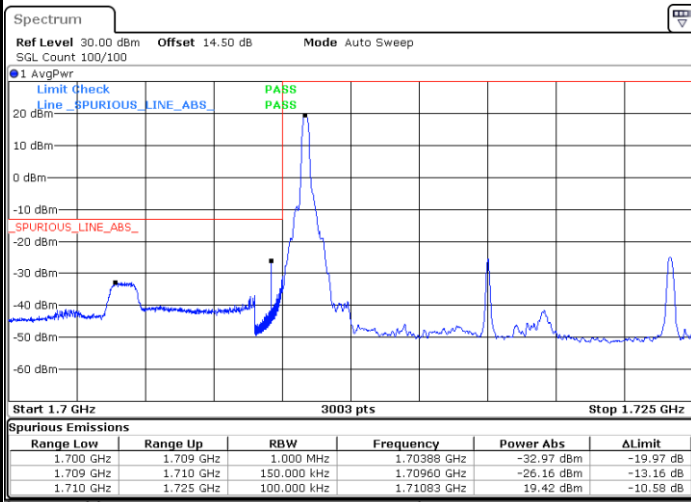


Date: 5.DEC.2019 14:36:58



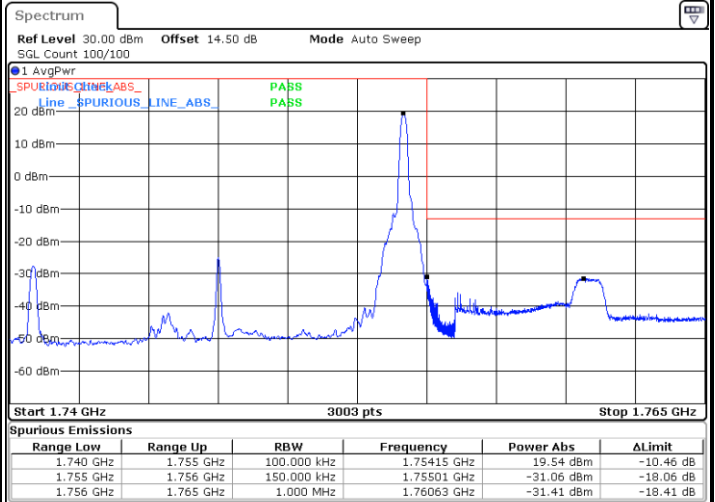
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



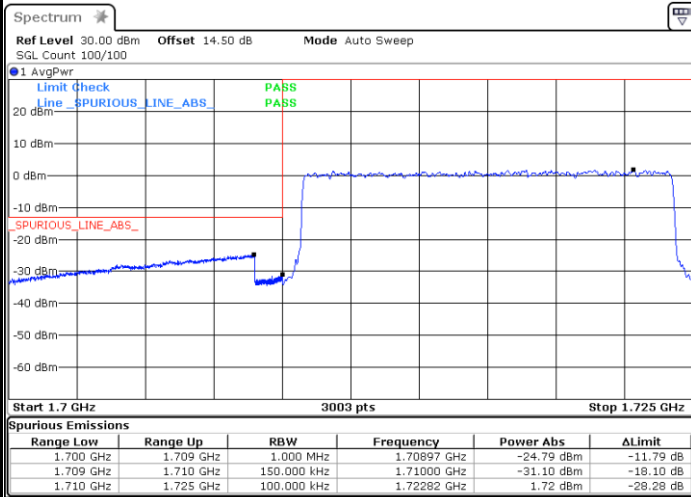
Date: 30.NOV.2019 07:00:19

Highest Band Edge / 1 RB



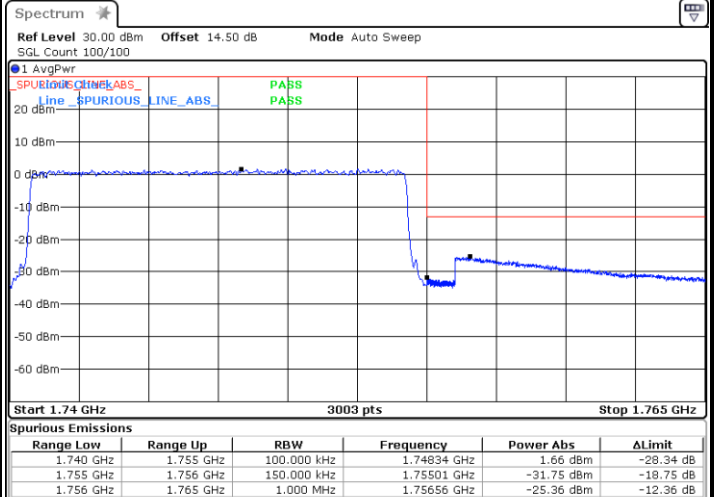
Date: 30.NOV.2019 06:55:57

Lowest Band Edge / Full RB



Date: 30.NOV.2019 06:53:56

Highest Band Edge / Full RB



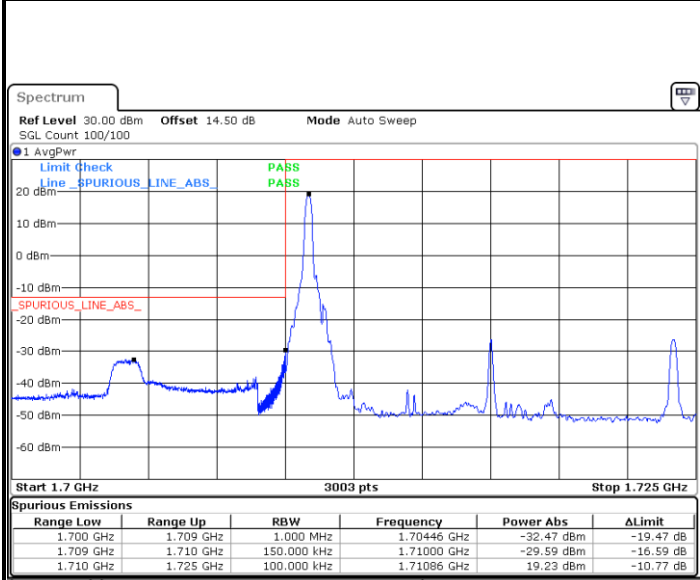
Date: 30.NOV.2019 07:01:01





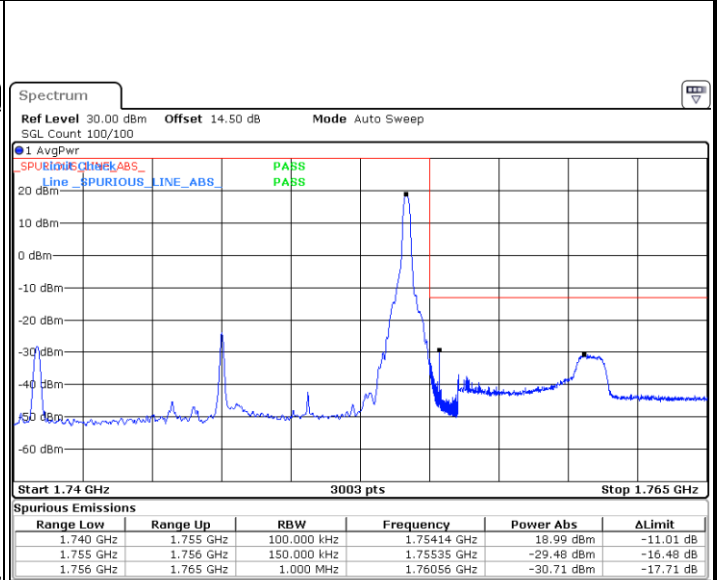
**LTE Band 4 / 15MHz / 16QAM**

**Lowest Band Edge / 1 RB**



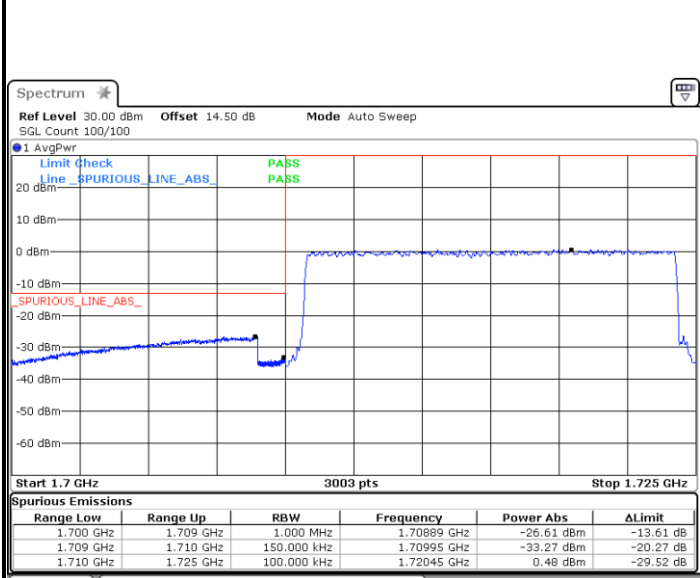
Date: 30.NOV.2019 06:52:07

**Highest Band Edge / 1 RB**



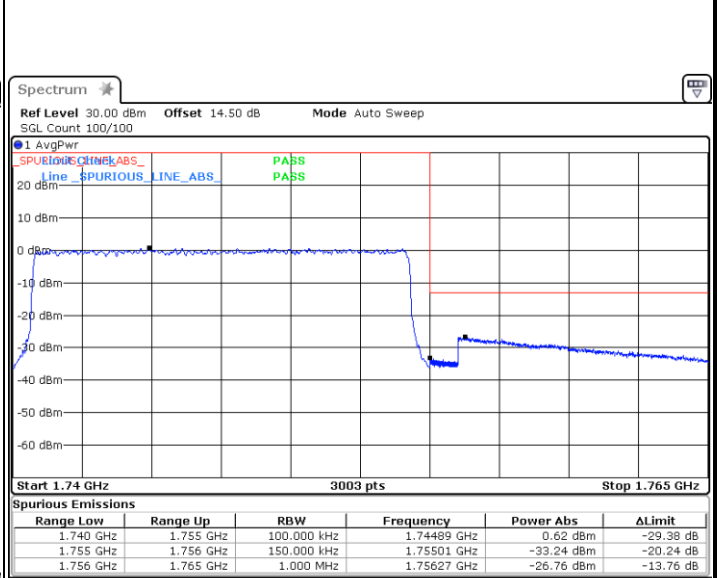
Date: 5.DEC.2019 15:47:23

**Lowest Band Edge / Full RB**



Date: 30.NOV.2019 06:54:57

**Highest Band Edge / Full RB**



Date: 30.NOV.2019 07:01:30