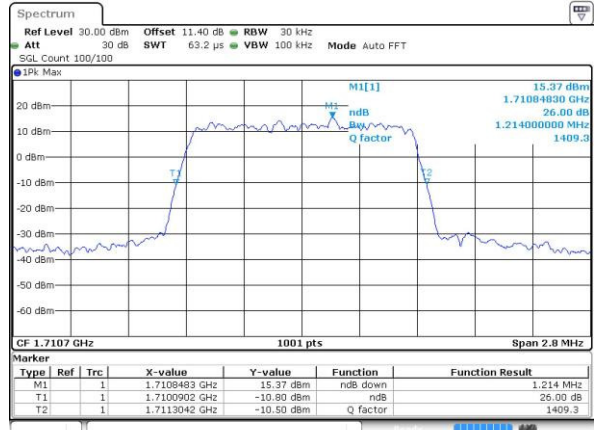




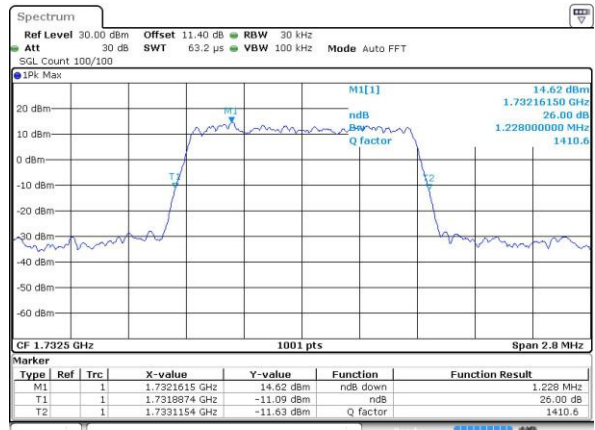
LTE Band 4

Lowest Channel / 1.4MHz / 64QAM



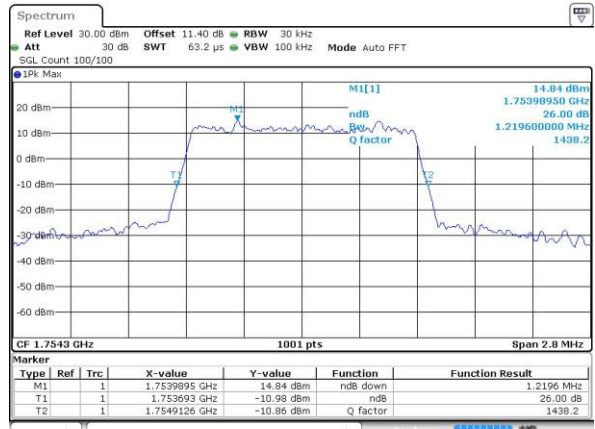
Date: 27 APR 2017 12:10:03

Middle Channel / 1.4MHz / 64QAM



Date: 27 APR 2017 12:13:36

Highest Channel / 1.4MHz / 64QAM

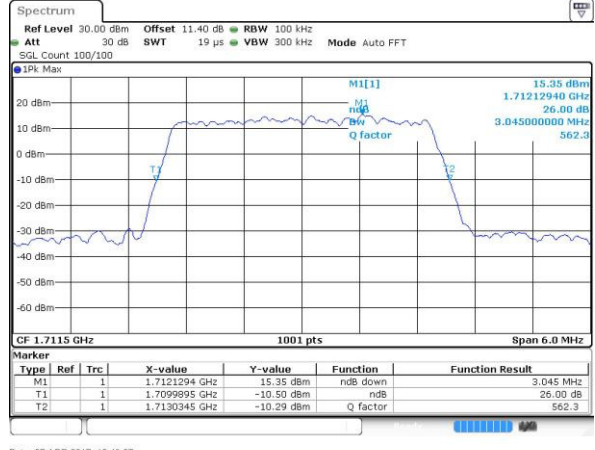


Date: 27 APR 2017 12:14:51

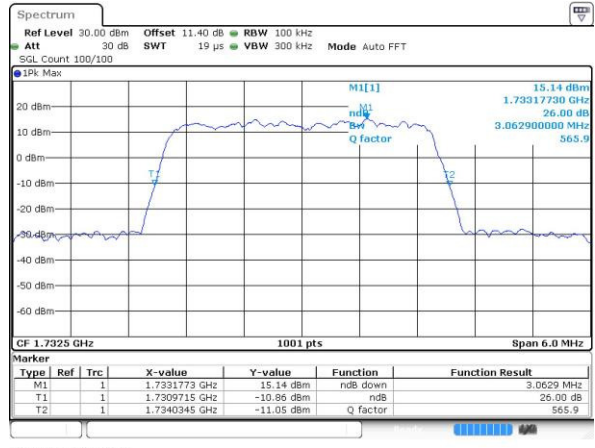


LTE Band 4

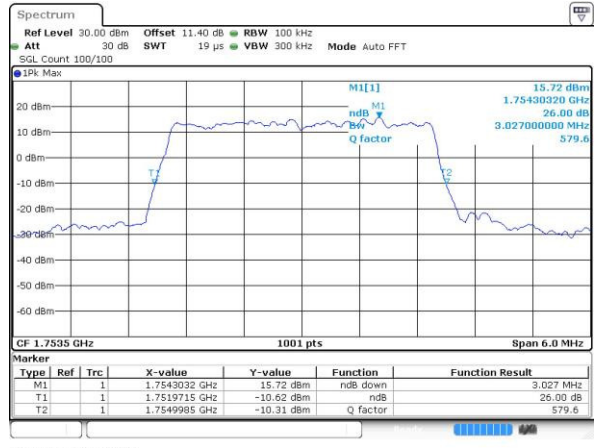
Lowest Channel / 3MHz / 64QAM



Middle Channel / 3MHz / 64QAM



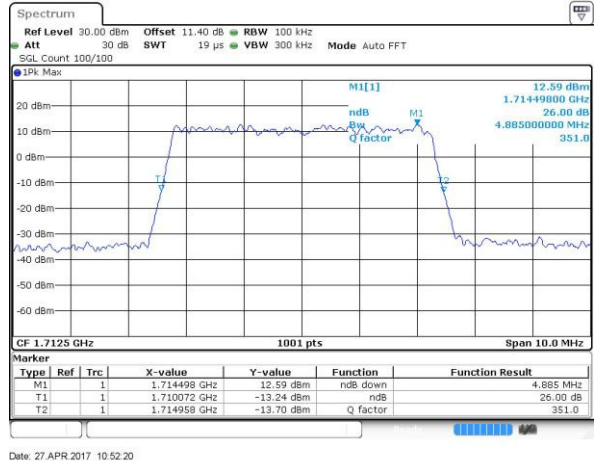
Highest Channel / 3MHz / 64QAM



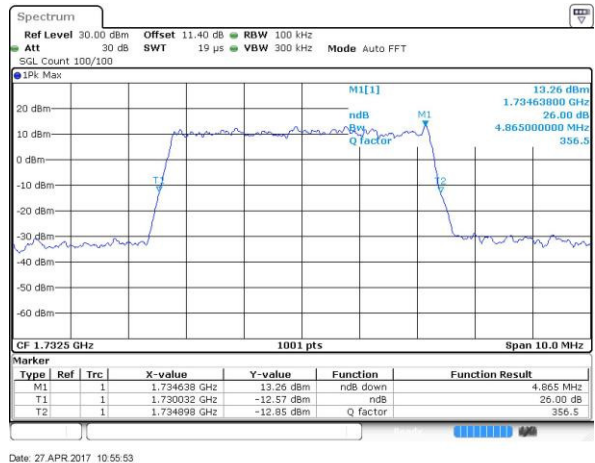


LTE Band 4

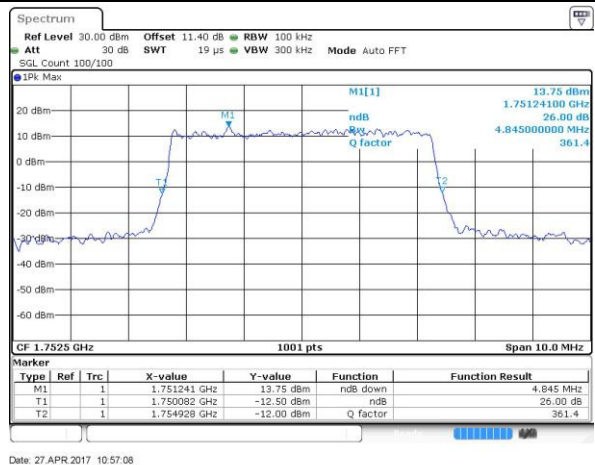
Lowest Channel / 5MHz / 64QAM



Middle Channel / 5MHz / 64QAM



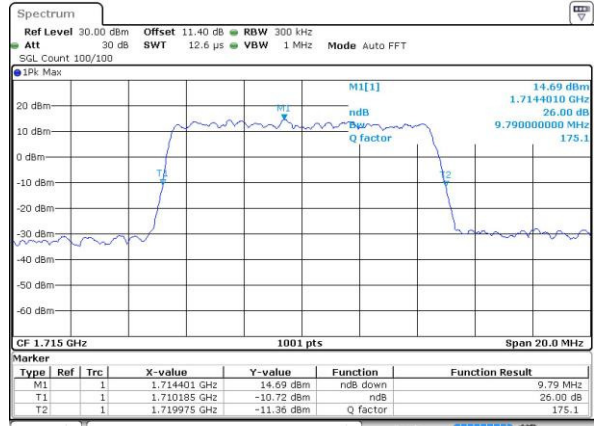
Highest Channel / 5MHz / 64QAM





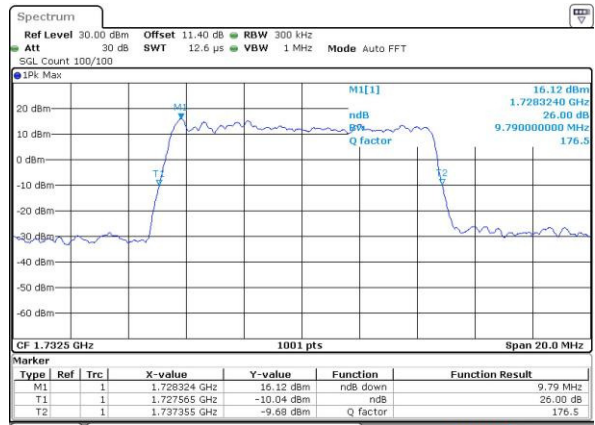
LTE Band 4

Lowest Channel / 10MHz / 64QAM



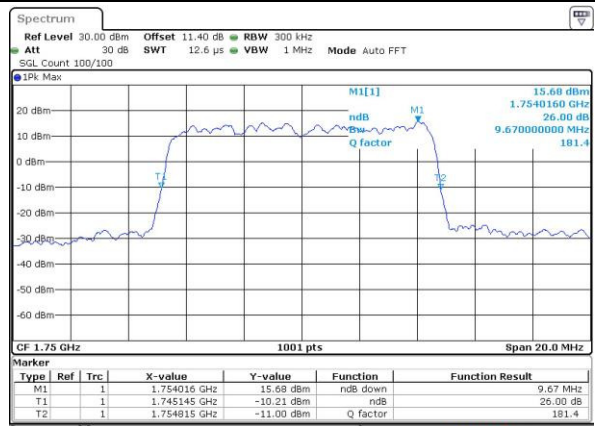
Date: 27 APR 2017 11:00:41

Middle Channel / 10MHz / 64QAM



Date: 27 APR 2017 11:04:14

Highest Channel / 10MHz / 64QAM

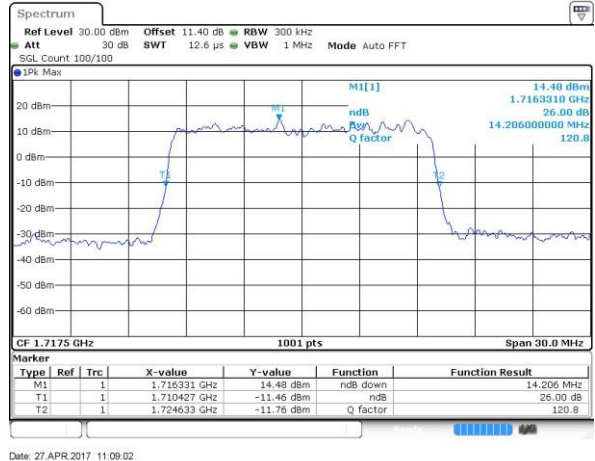


Date: 27 APR 2017 11:05:29



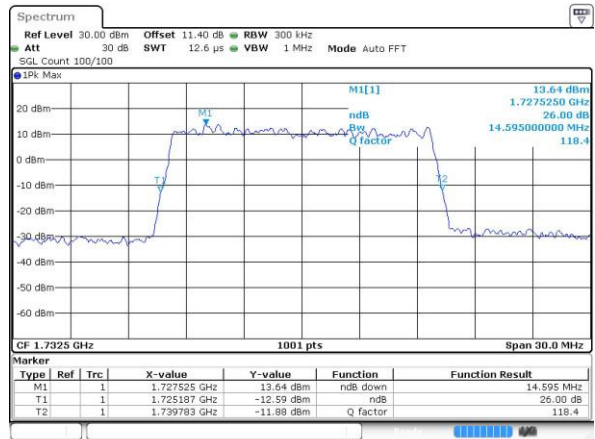
LTE Band 4

Lowest Channel / 15MHz / 64QAM



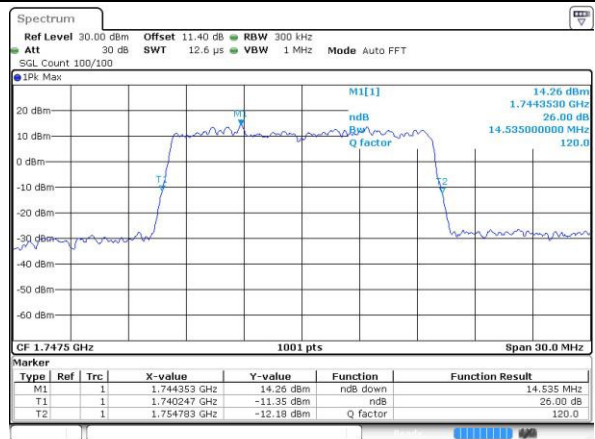
Date: 27 APR 2017 11:09:02

Middle Channel / 15MHz / 64QAM



Date: 27 APR 2017 11:12:35

Highest Channel / 15MHz / 64QAM

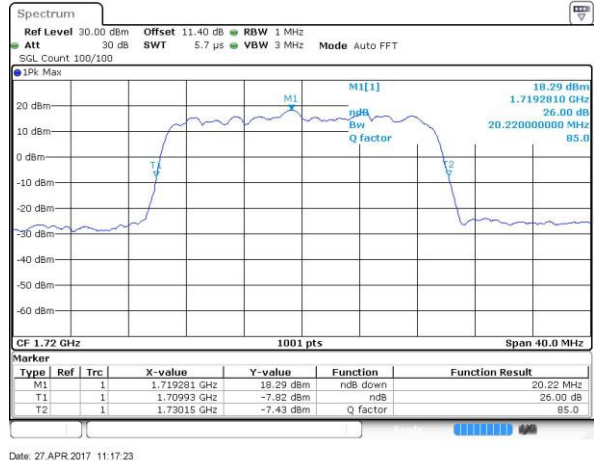


Date: 27 APR 2017 11:13:50

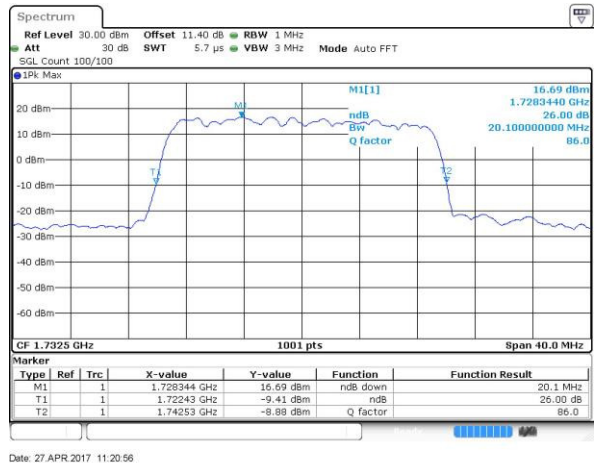


LTE Band 4

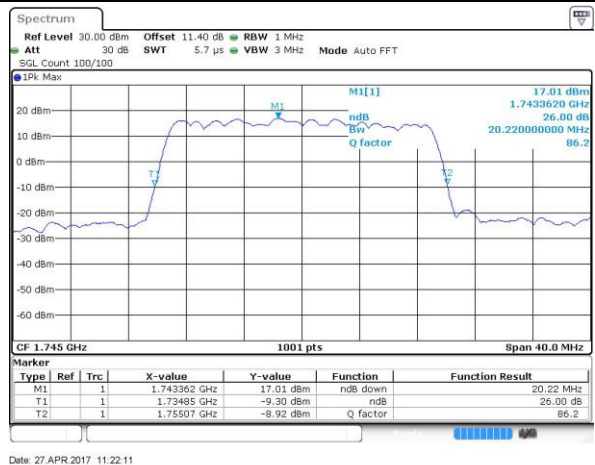
Lowest Channel / 20MHz / 64QAM



Middle Channel / 20MHz / 64QAM



Highest Channel / 20MHz / 64QAM





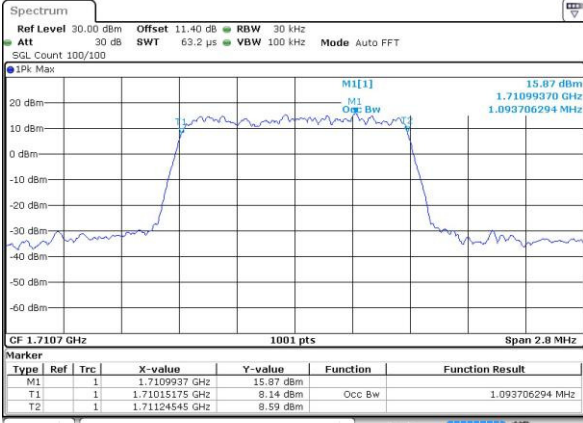
**Occupied Bandwidth**

| 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                     | 1.09  | 2.72 | 2.71  | 4.48 | 4.49  | 9.07  | 9.07  | 13.37 | 13.4  | 18.26 | 18.38 |
| Middle CH  | 1.09                     | 1.1   | 2.71 | 2.71  | 4.49 | 4.47  | 9.03  | 9.01  | 13.46 | 13.4  | 18.3  | 18.22 |
| Highest CH | 1.1                      | 1.1   | 2.72 | 2.7   | 4.48 | 4.49  | 9.05  | 9.05  | 13.52 | 13.43 | 18.34 | 18.34 |
| BW         | 1.4MHz                   |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | -                        | 64QAM | -    | 64QAM | -    | 64QAM | -     | 64QAM | -     | 64QAM | -     | 64QAM |
| Lowest CH  | -                        | 1.09  | -    | 2.71  | -    | 4.49  | -     | 8.95  | -     | 13.49 | -     | 18.42 |
| Middle CH  | -                        | 1.09  | -    | 2.72  | -    | 4.48  | -     | 8.97  | -     | 13.46 | -     | 18.22 |
| Highest CH | -                        | 1.09  | -    | 2.72  | -    | 4.49  | -     | 9.07  | -     | 13.55 | -     | 18.3  |



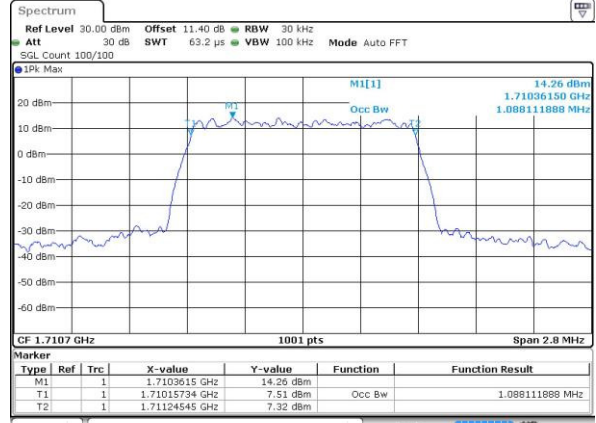
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



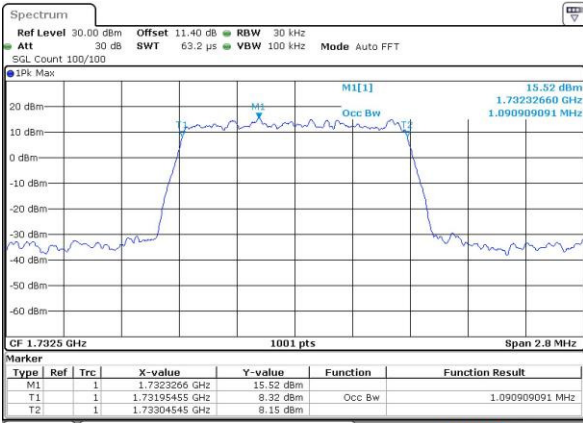
Date: 5 APR 2017 13:33:57

Lowest Channel / 1.4MHz / 16QAM



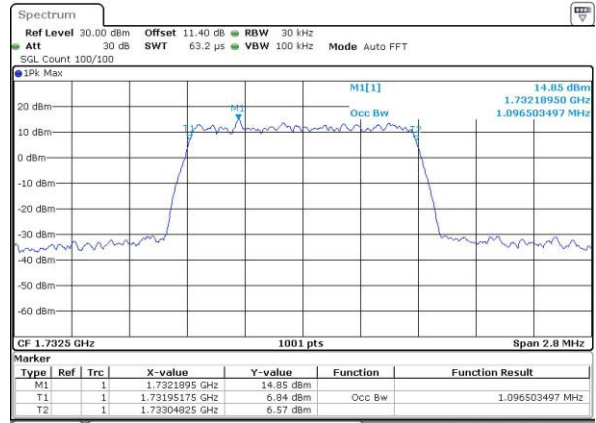
Date: 5 APR 2017 13:34:07

Middle Channel / 1.4MHz / QPSK



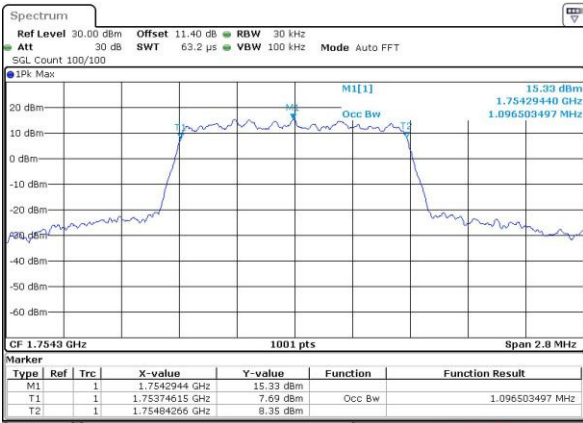
Date: 5 APR 2017 13:41:04

Middle Channel / 1.4MHz / 16QAM



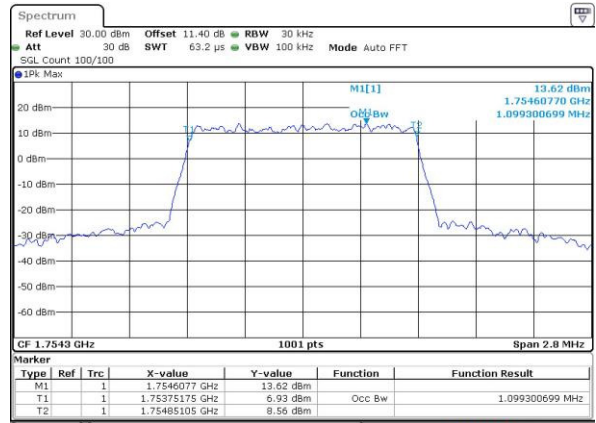
Date: 5 APR 2017 13:41:14

Highest Channel / 1.4MHz / QPSK



Date: 5 APR 2017 13:43:35

Highest Channel / 1.4MHz / 16QAM

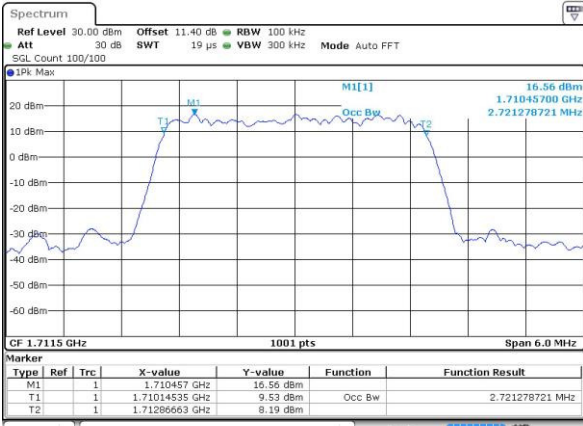


Date: 5 APR 2017 13:43:45



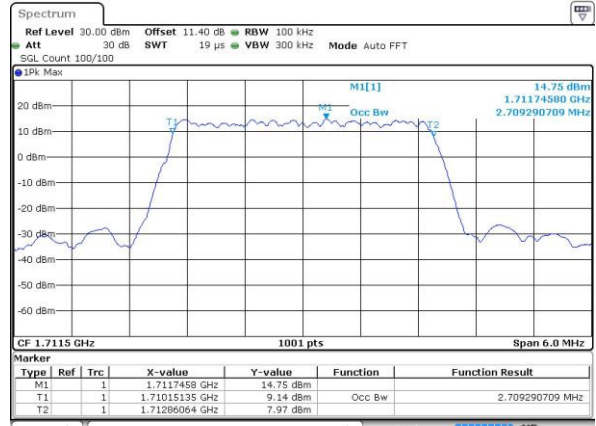
LTE Band 4

Lowest Channel / 3MHz / QPSK



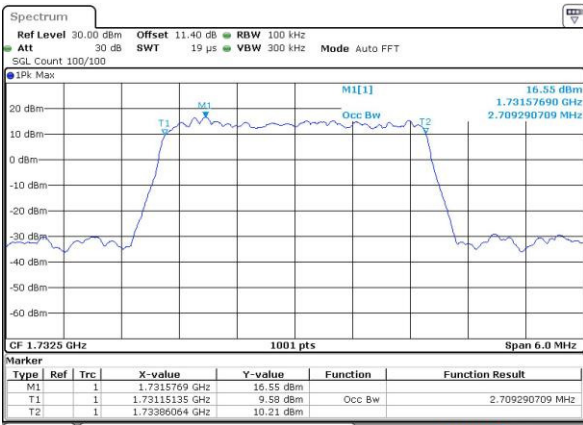
Date: 5 APR 2017 10:51:42

Lowest Channel / 3MHz / 16QAM



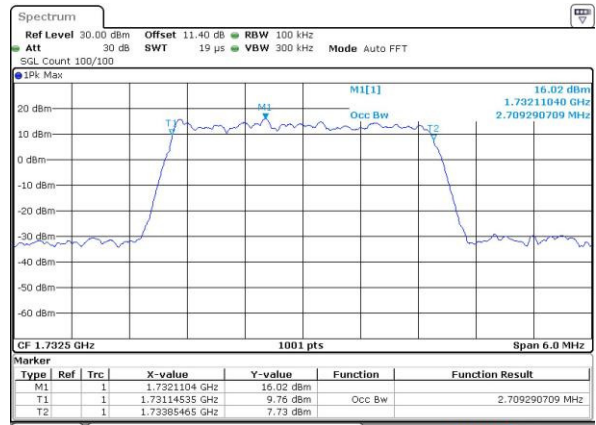
Date: 5 APR 2017 10:51:52

Middle Channel / 3MHz / QPSK



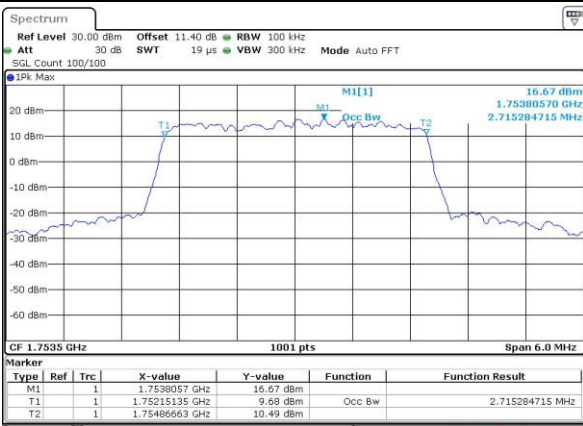
Date: 5 APR 2017 10:58:49

Middle Channel / 3MHz / 16QAM



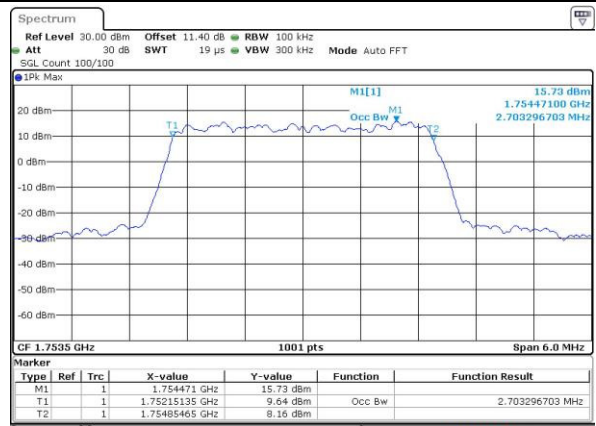
Date: 5 APR 2017 10:59:00

Highest Channel / 3MHz / QPSK



Date: 5 APR 2017 11:01:20

Highest Channel / 3MHz / 16QAM

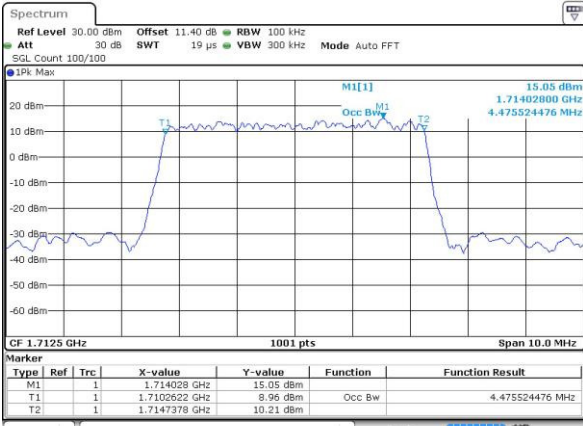


Date: 5 APR 2017 11:01:30



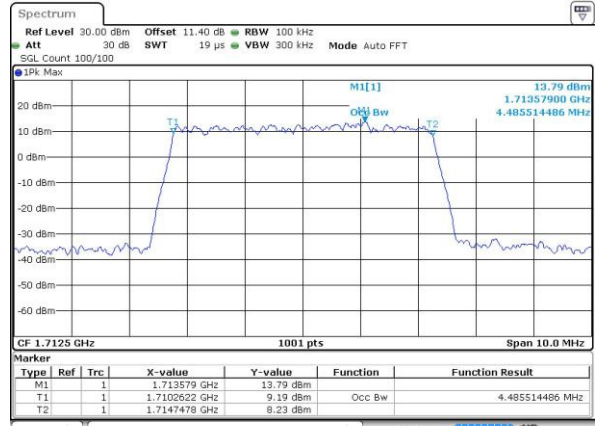
LTE Band 4

Lowest Channel / 5MHz / QPSK



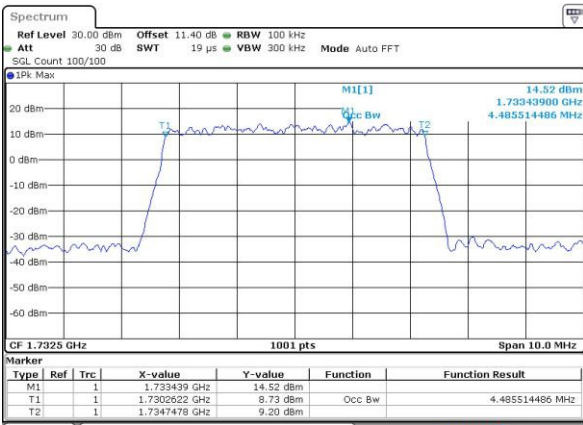
Date: 5 APR 2017 11:08:27

Lowest Channel / 5MHz / 16QAM



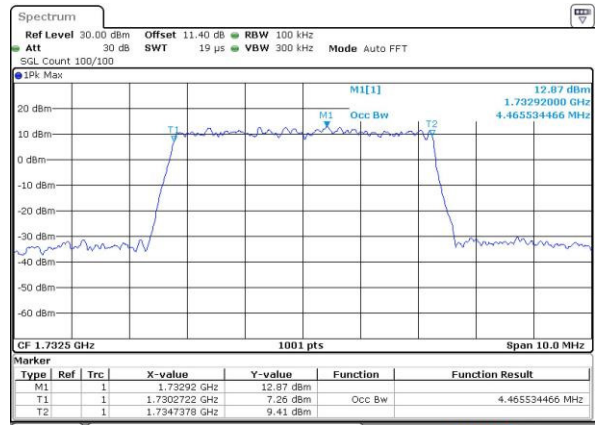
Date: 5 APR 2017 11:08:38

Middle Channel / 5MHz / QPSK



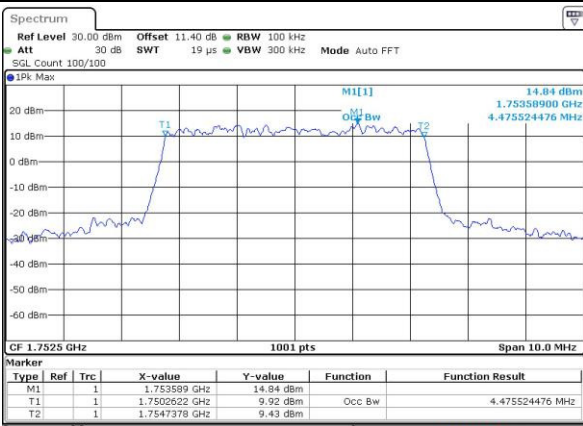
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Middle Channel / 5MHz / 16QAM



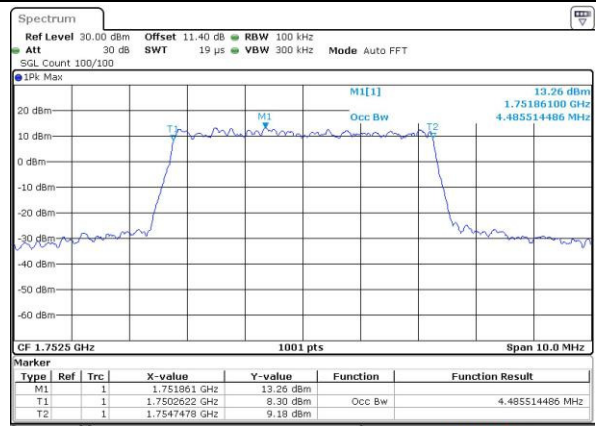
Date: 5 APR 2017 11:15:45

Highest Channel / 5MHz / QPSK



Date: 5 APR 2017 11:18:05

Highest Channel / 5MHz / 16QAM

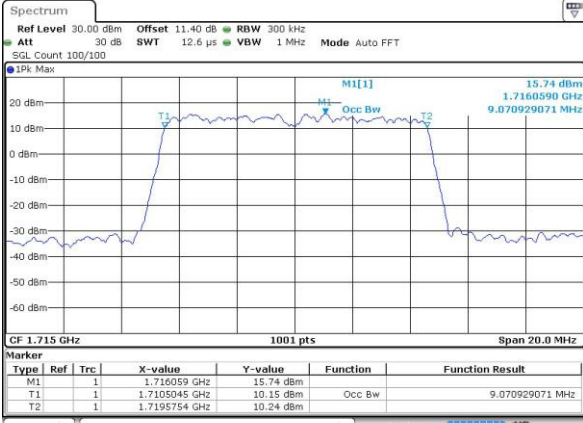


Date: 5 APR 2017 11:18:15



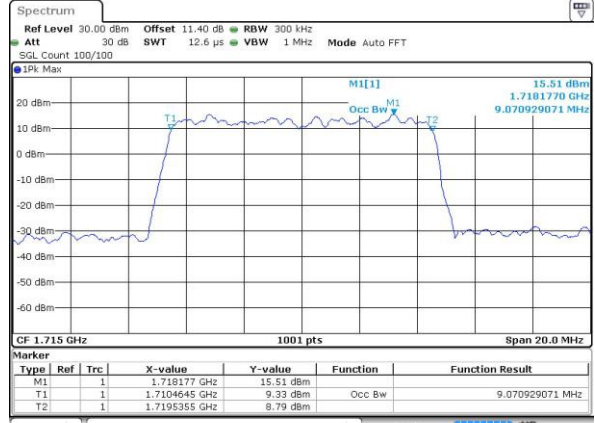
LTE Band 4

Lowest Channel / 10MHz / QPSK



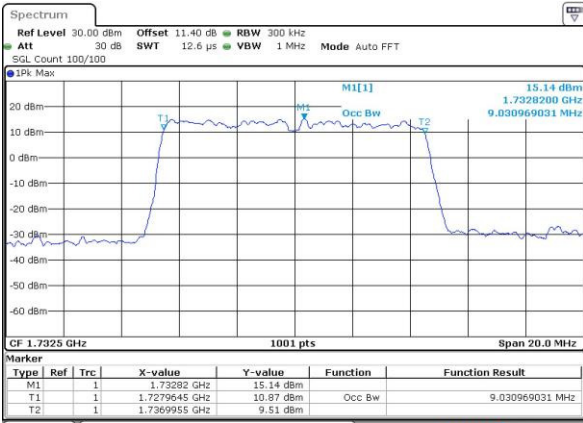
Date: 5 APR 2017 11:25:12

Lowest Channel / 10MHz / 16QAM



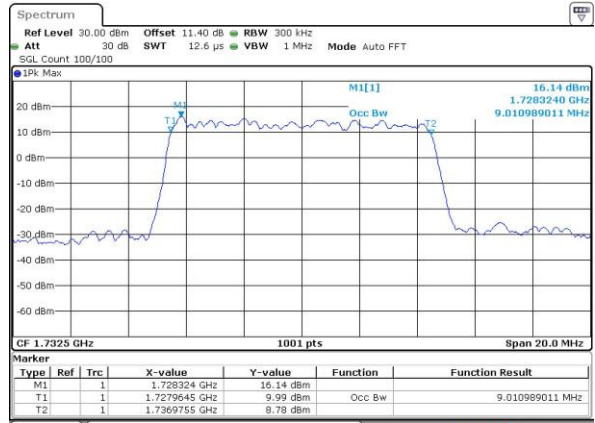
Date: 5 APR 2017 11:25:22

Middle Channel / 10MHz / QPSK



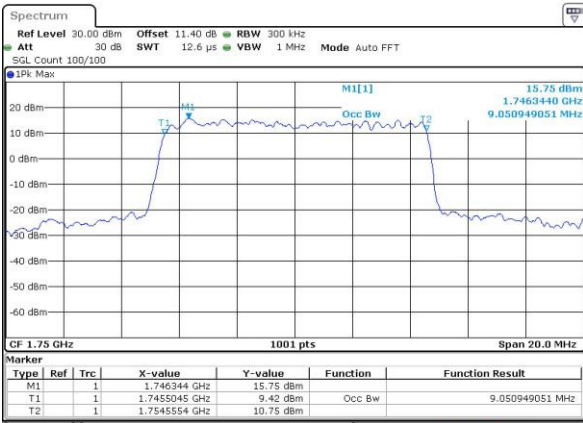
Date: 5 APR 2017 11:32:18

Middle Channel / 10MHz / 16QAM



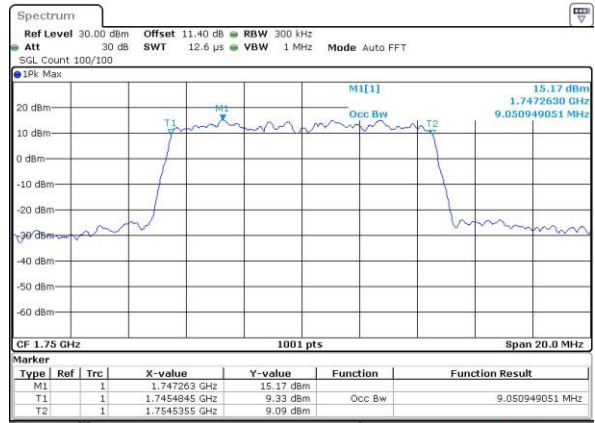
Date: 5 APR 2017 11:32:28

Highest Channel / 10MHz / QPSK



Date: 5 APR 2017 11:34:49

Highest Channel / 10MHz / 16QAM

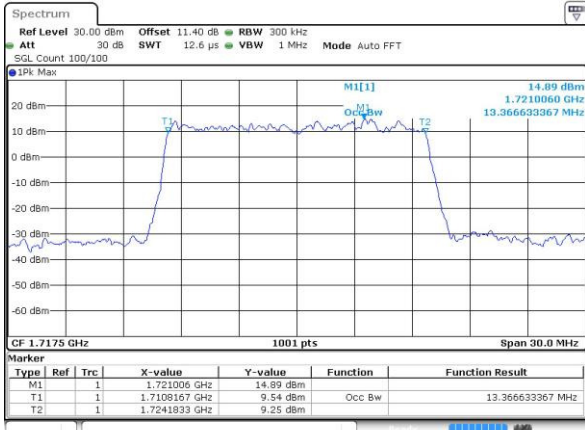


Date: 5 APR 2017 11:34:59



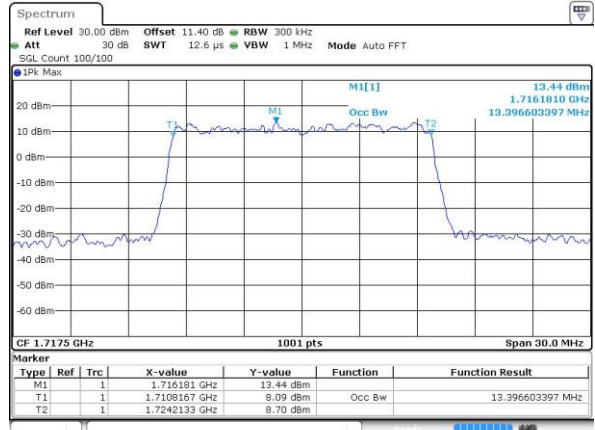
LTE Band 4

Lowest Channel / 15MHz / QPSK



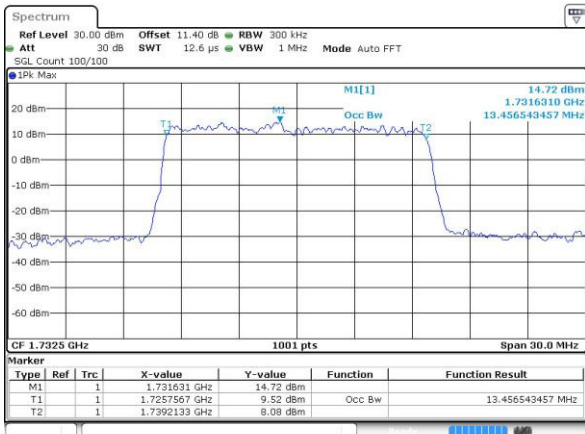
Date: 5 APR 2017 11:41:56

Lowest Channel / 15MHz / 16QAM



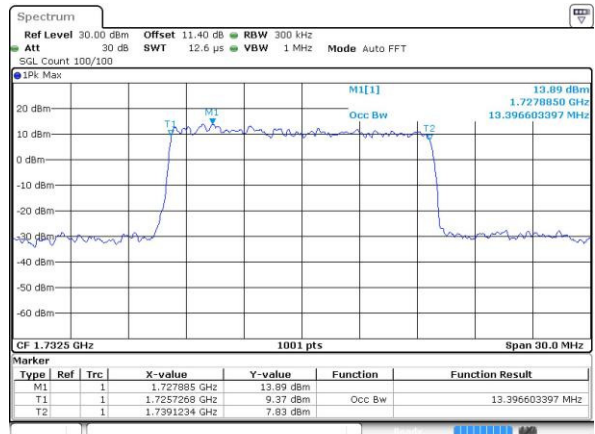
Date: 5 APR 2017 11:42:06

Middle Channel / 15MHz / QPSK



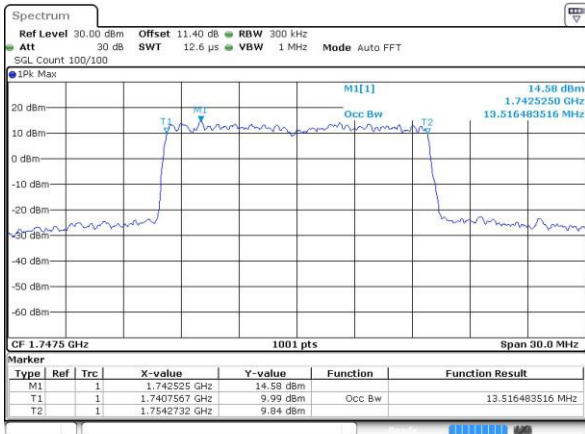
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Middle Channel / 15MHz / 16QAM



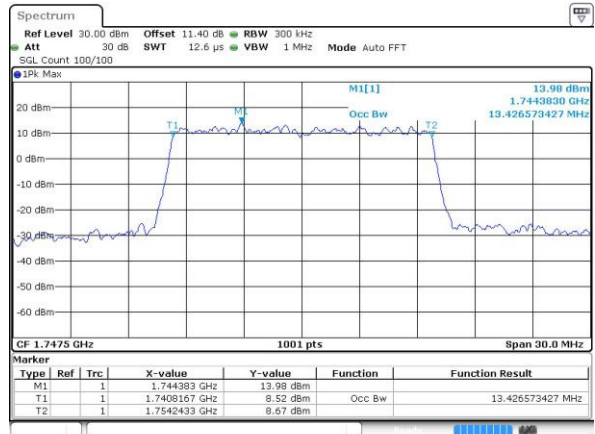
Date: 5 APR 2017 11:49:13

Highest Channel / 15MHz / QPSK



Date: 5 APR 2017 11:51:33

Highest Channel / 15MHz / 16QAM

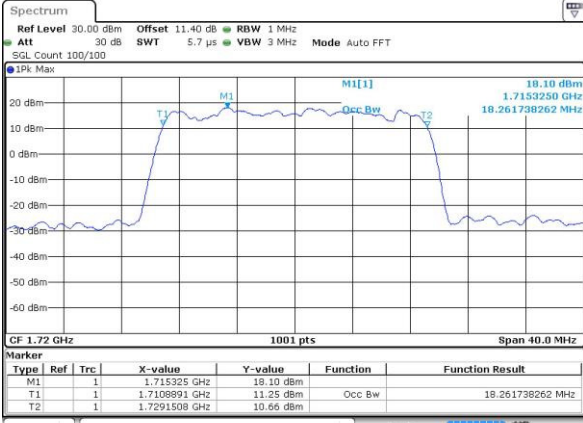


Date: 5 APR 2017 11:51:43



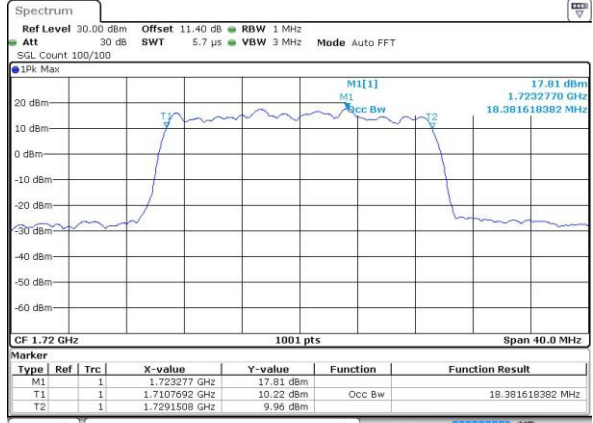
LTE Band 4

Lowest Channel / 20MHz / QPSK



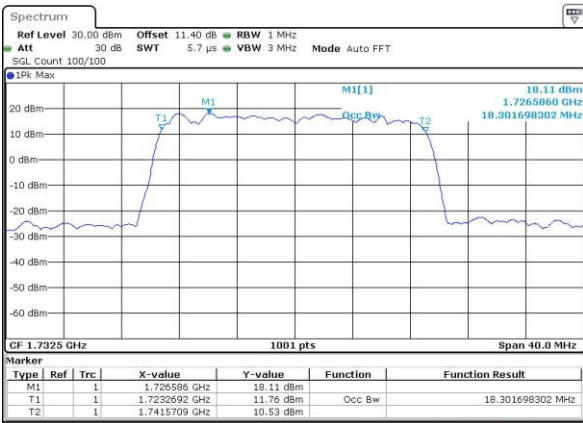
Date: 5 APR 2017 11:58:40

Lowest Channel / 20MHz / 16QAM



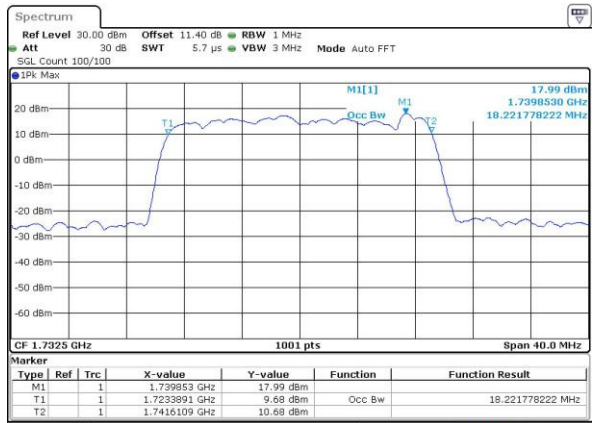
Date: 5 APR 2017 11:58:50

Middle Channel / 20MHz / QPSK



Date: 5 APR 2017 12:05:47

Middle Channel / 20MHz / 16QAM



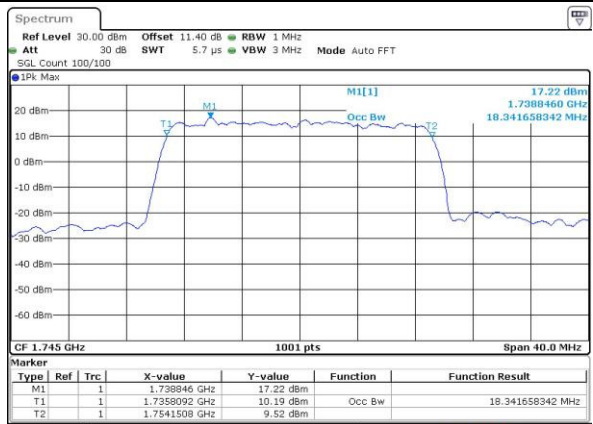
Date: 5 APR 2017 12:05:57

Highest Channel / 20MHz / QPSK



Date: 5 APR 2017 12:08:17

Highest Channel / 20MHz / 16QAM

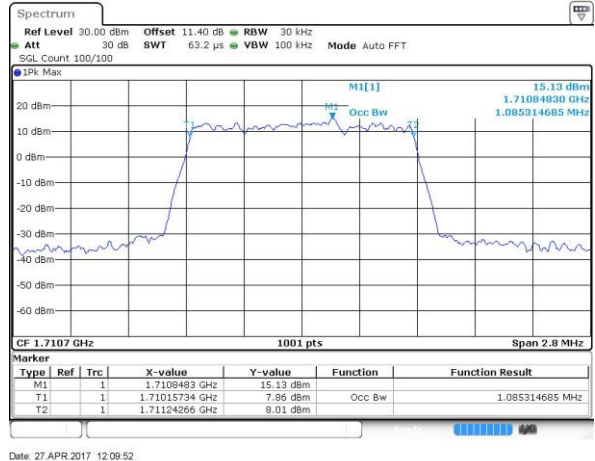


Date: 5 APR 2017 12:08:28

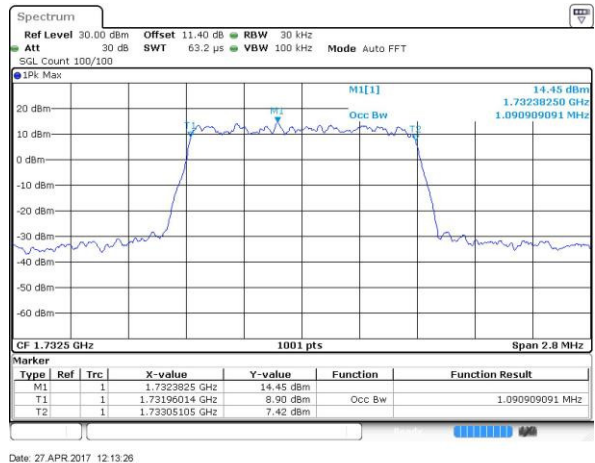


LTE Band 4

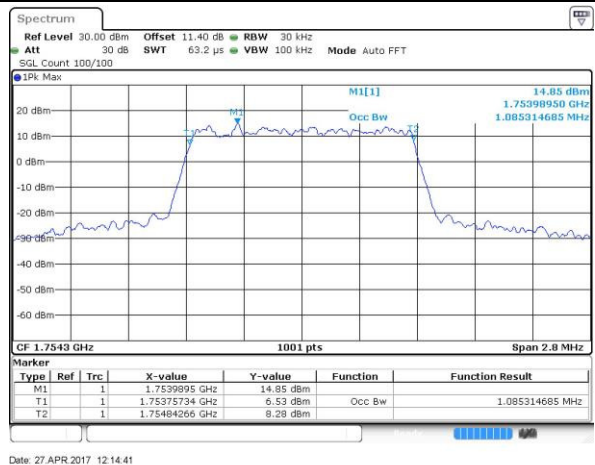
Lowest Channel / 1.4MHz / 64QAM



Middle Channel / 1.4MHz / 64QAM



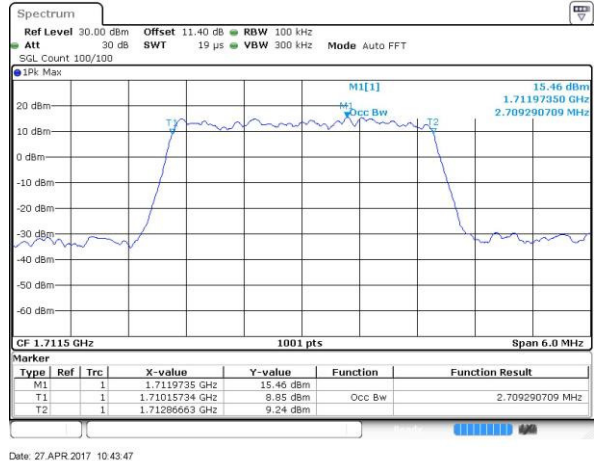
Highest Channel / 1.4MHz / 64QAM



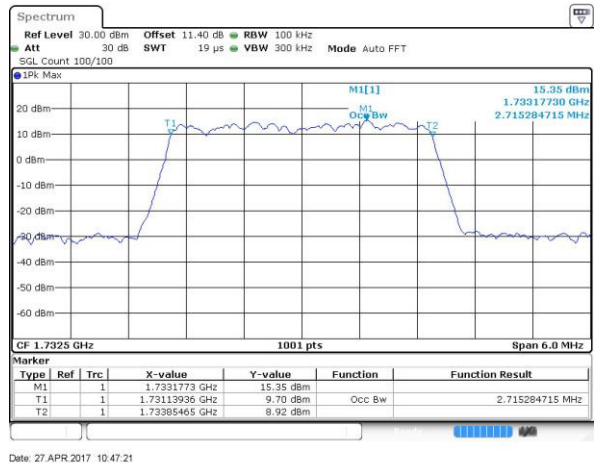


LTE Band 4

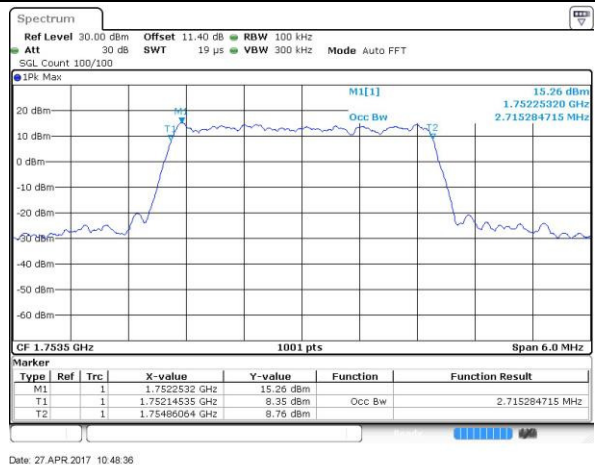
Lowest Channel / 3MHz / 64QAM



Middle Channel / 3MHz / 64QAM



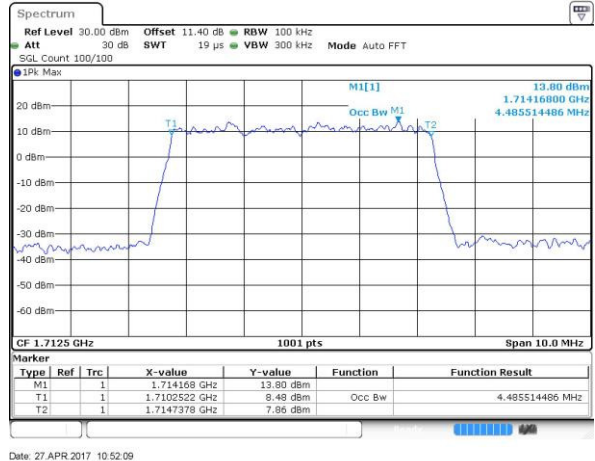
Highest Channel / 3MHz / 64QAM



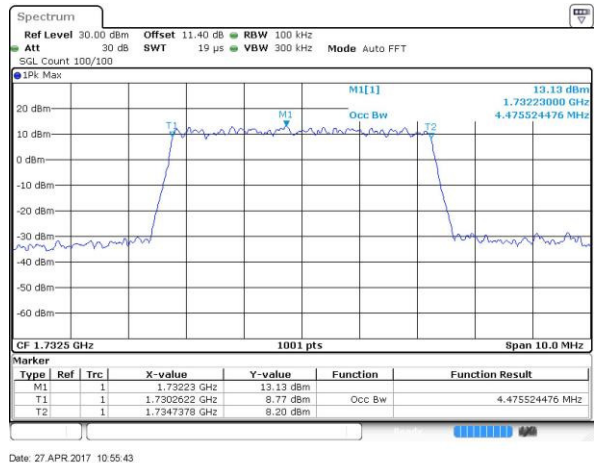


LTE Band 4

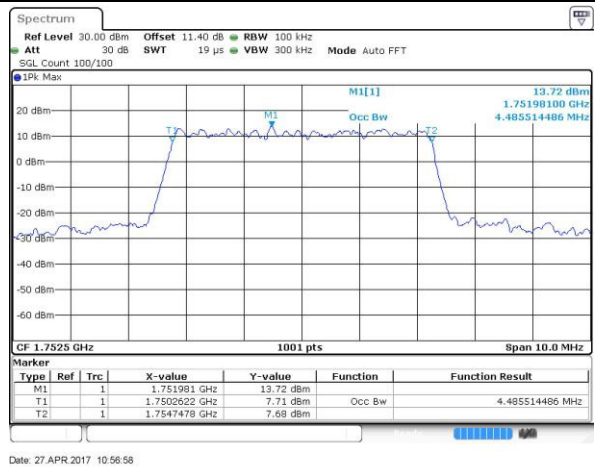
Lowest Channel / 5MHz / 64QAM



Middle Channel / 5MHz / 64QAM



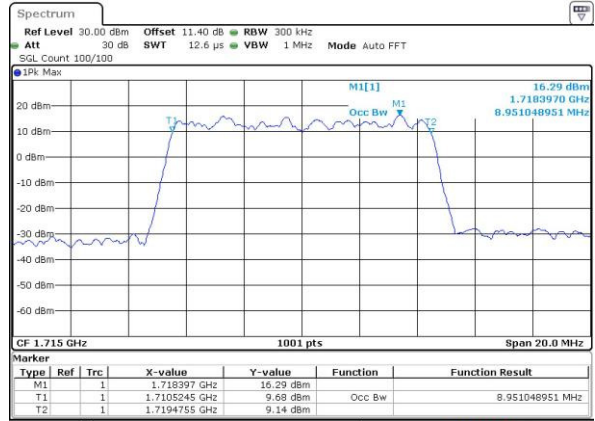
Highest Channel / 5MHz / 64QAM





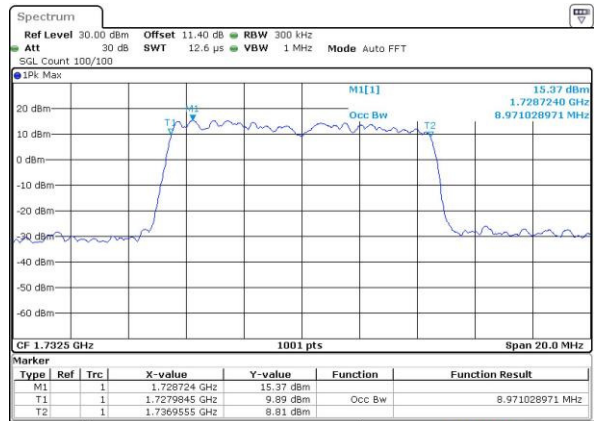
LTE Band 4

Lowest Channel / 10MHz / 64QAM



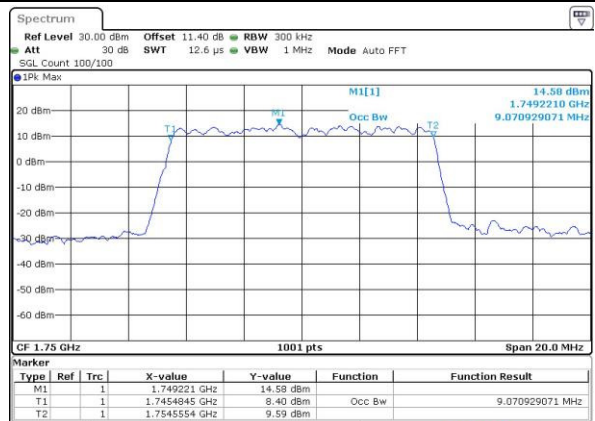
Date: 27 APR 2017 11:00:31

Middle Channel / 10MHz / 64QAM



Date: 27 APR 2017 11:04:04

Highest Channel / 10MHz / 64QAM

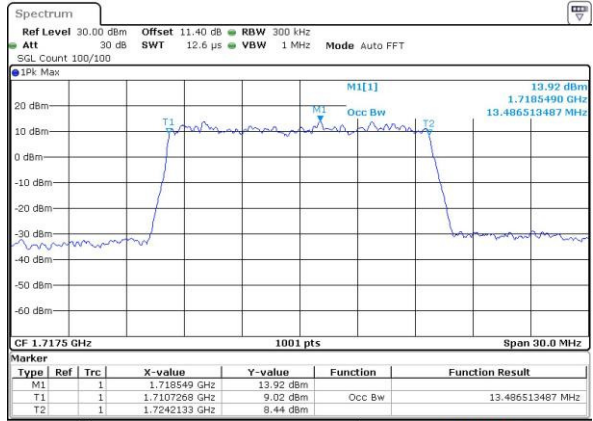


Date: 27 APR 2017 11:05:18



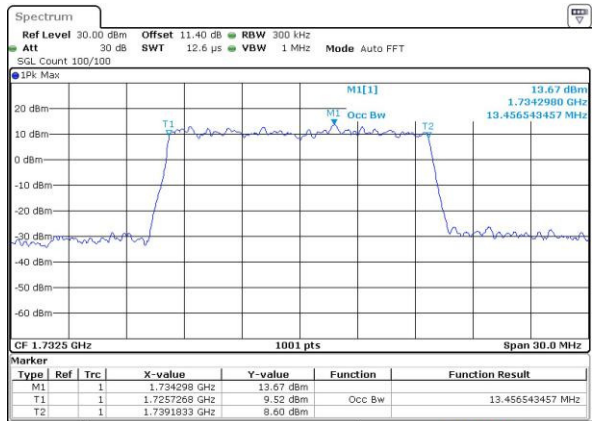
LTE Band 4

Lowest Channel / 15MHz / 64QAM



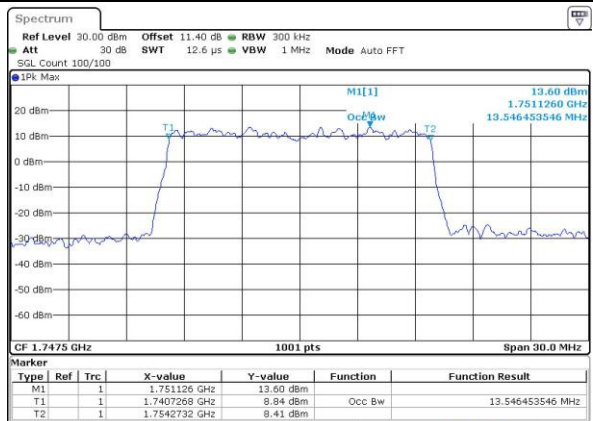
Date: 27 APR 2017 11:08:52

Middle Channel / 15MHz / 64QAM



Date: 27 APR 2017 11:12:25

Highest Channel / 15MHz / 64QAM

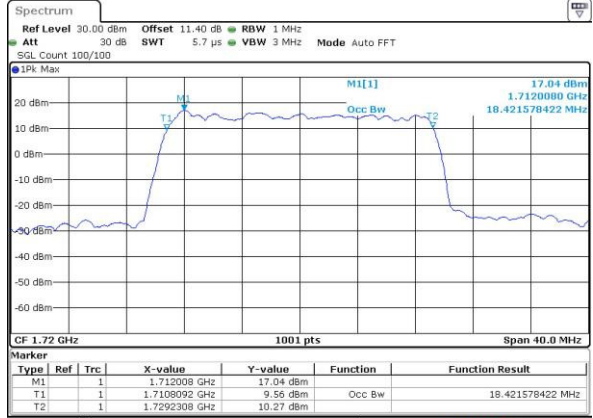


Date: 27 APR 2017 11:13:40



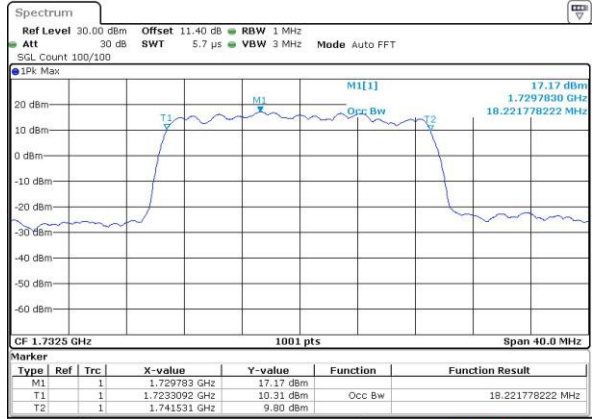
LTE Band 4

Lowest Channel / 20MHz / 64QAM



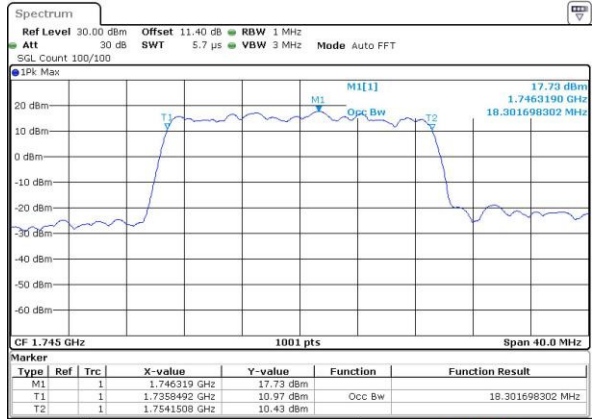
Date: 27 APR 2017 11:17:13

Middle Channel / 20MHz / 64QAM



Date: 27 APR 2017 11:20:46

Highest Channel / 20MHz / 64QAM



Date: 27 APR 2017 11:22:01

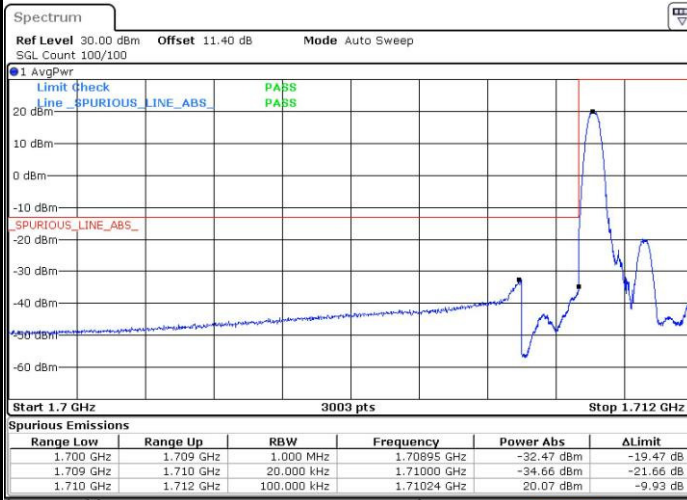


**Conducted Band Edge**



LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



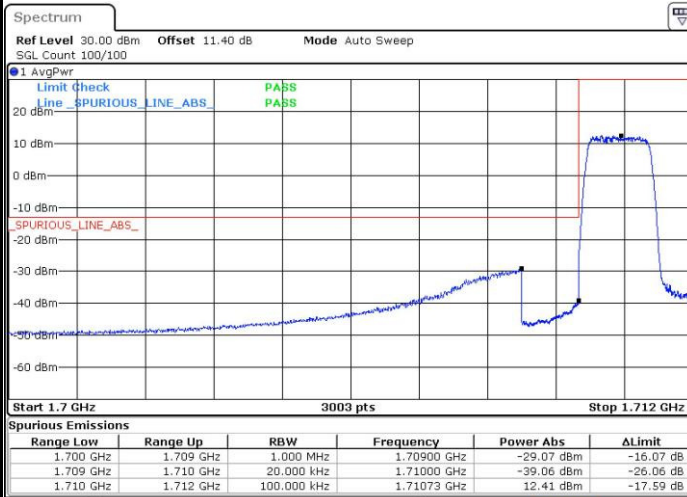
Date: 5 APR 2017 13:35:37

Highest Band Edge / 1RB



Date: 5 APR 2017 13:45:14

Lowest Band Edge / Full RB



Date: 5 APR 2017 13:37:55

Highest Band Edge / Full RB

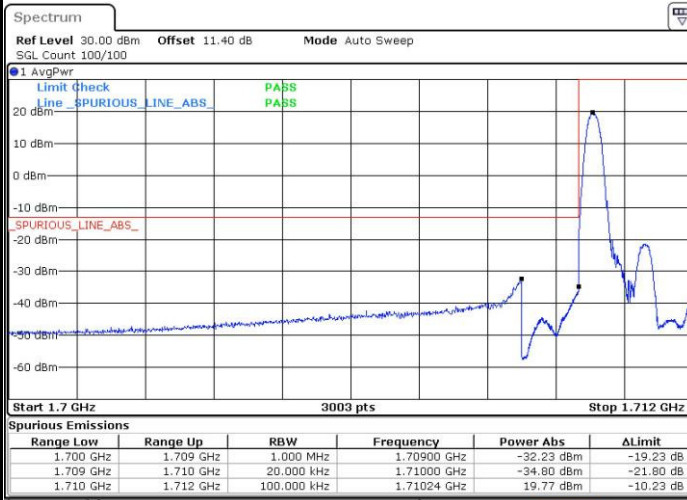


Date: 5 APR 2017 13:47:32



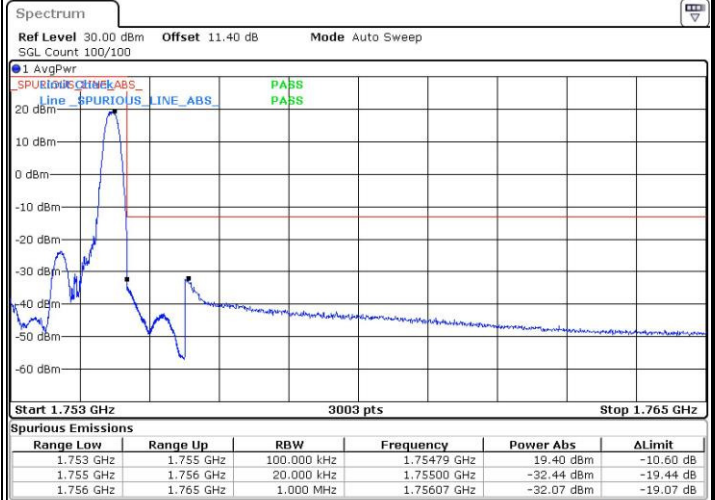
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



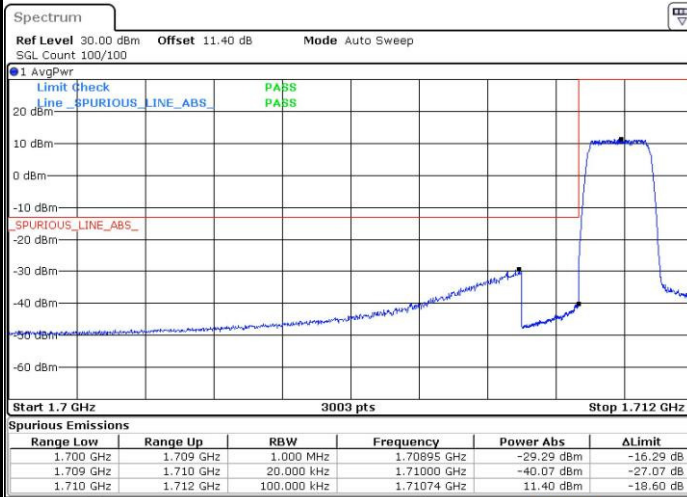
Date: 5 APR 2017 13:36:46

Highest Band Edge / 1 RB



Date: 5 APR 2017 13:46:23

Lowest Band Edge / Full RB



Date: 5 APR 2017 13:39:04

Highest Band Edge / Full RB

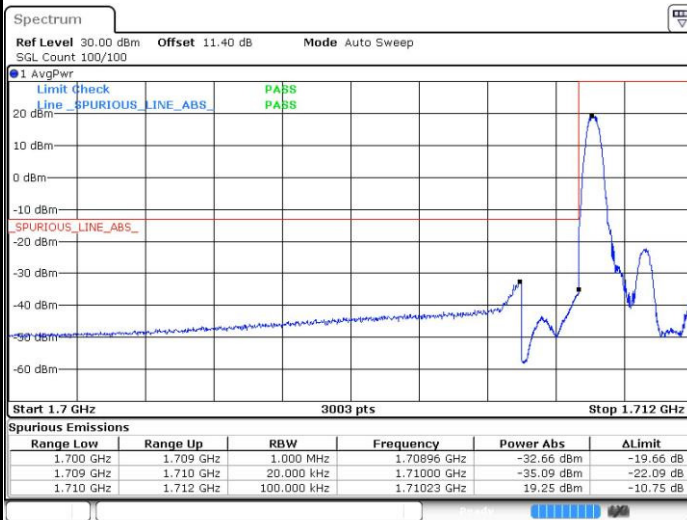


Date: 5 APR 2017 13:48:41



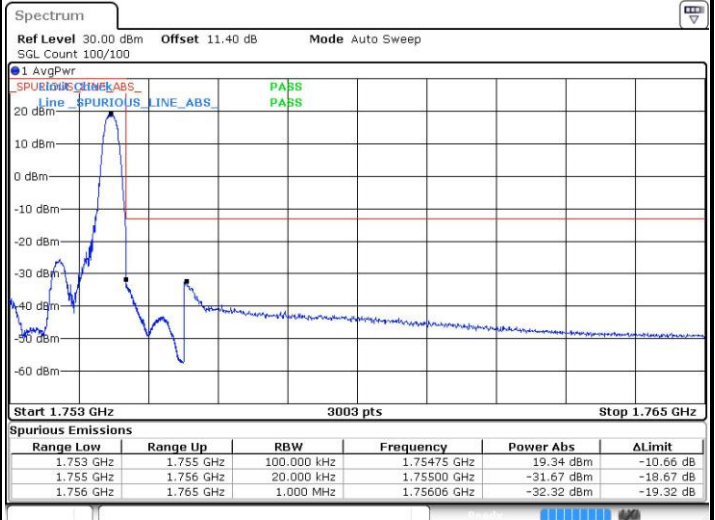
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



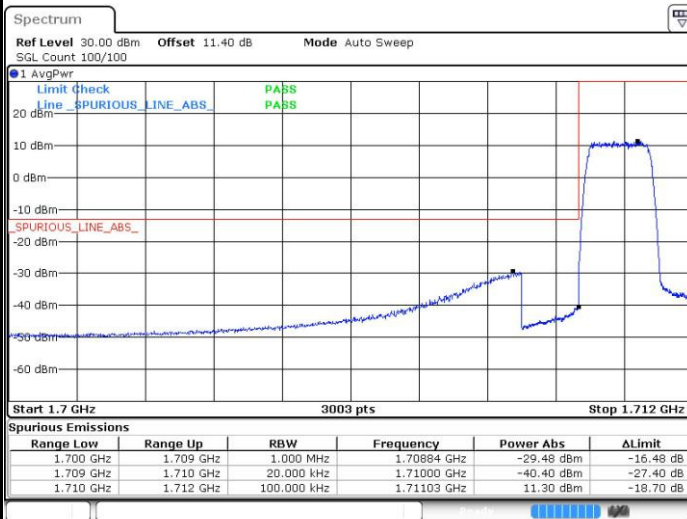
Date: 27.APR.2017 12:11:11

Highest Band Edge / 1 RB



Date: 27.APR.2017 12:16:00

Lowest Band Edge / Full RB



Date: 27.APR.2017 12:12:20

Highest Band Edge / Full RB

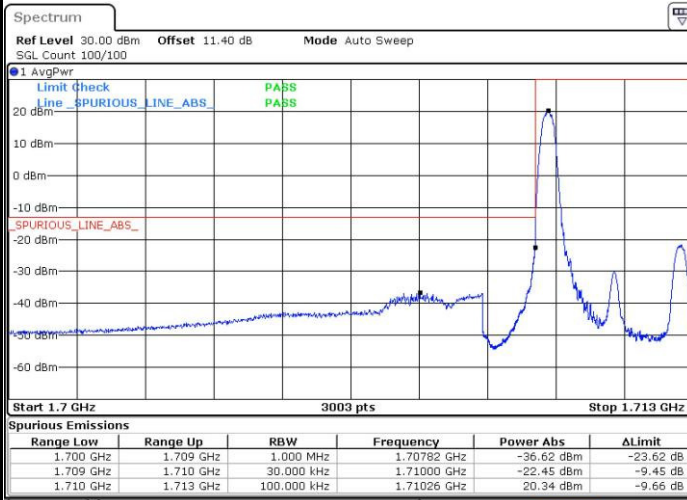


Date: 27.APR.2017 12:17:09



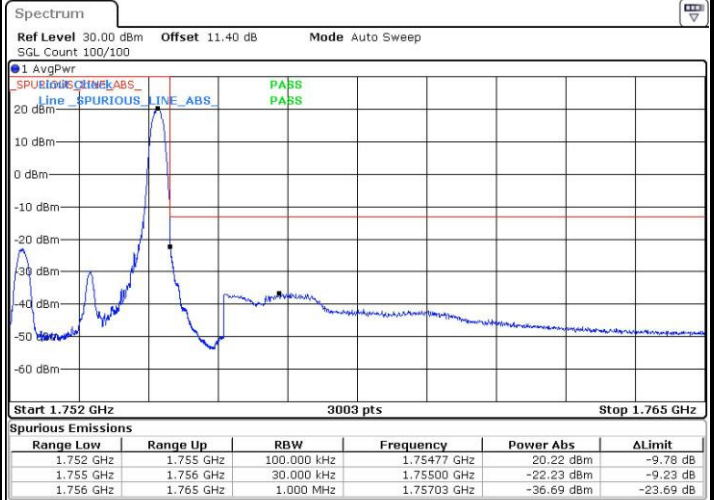
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



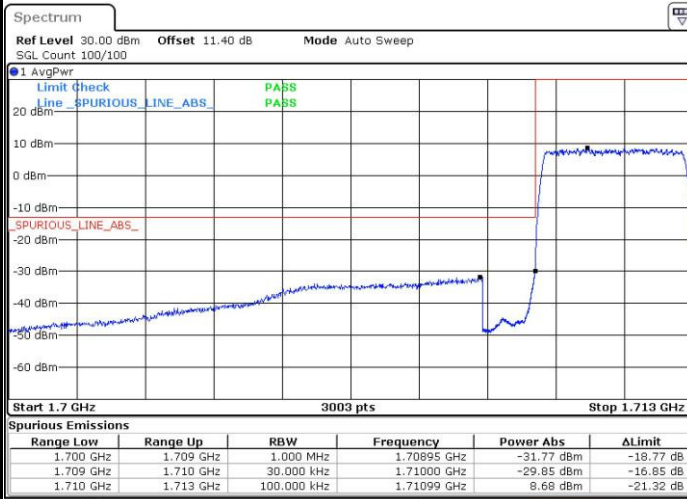
Date: 5 APR 2017 10:53:22

Highest Band Edge / 1 RB



Date: 5 APR 2017 11:03:00

Lowest Band Edge / Full RB



Date: 5 APR 2017 10:55:40

Highest Band Edge / Full RB



Date: 5 APR 2017 11:05:18