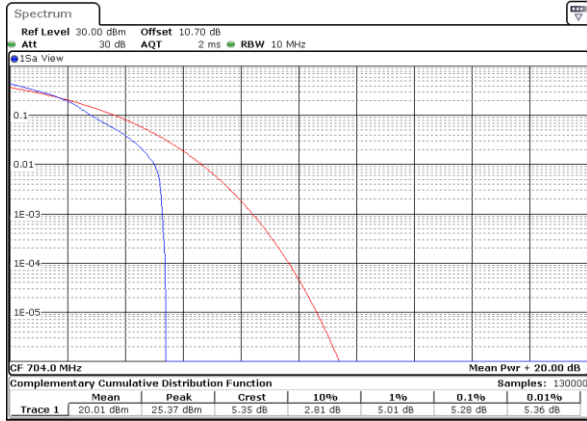




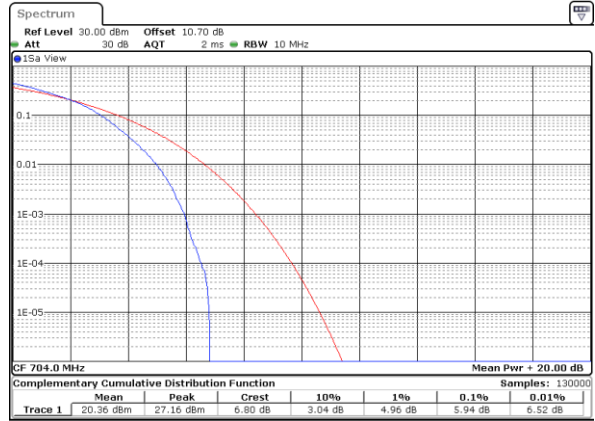
LTE Band 12 / 10MHz / 16QAM

Lowest Channel / 1RB



Date: 28_JAN,2020 02:13:30

Lowest Channel / Full RB



Date: 28_JAN,2020 02:13:18

Middle Channel / 1RB



Date: 28_JAN,2020 02:13:42

Middle Channel / Full RB



Date: 28_JAN,2020 02:13:54

Highest Channel / 1RB



Date: 28_JAN,2020 02:14:19

Highest Channel / Full RB

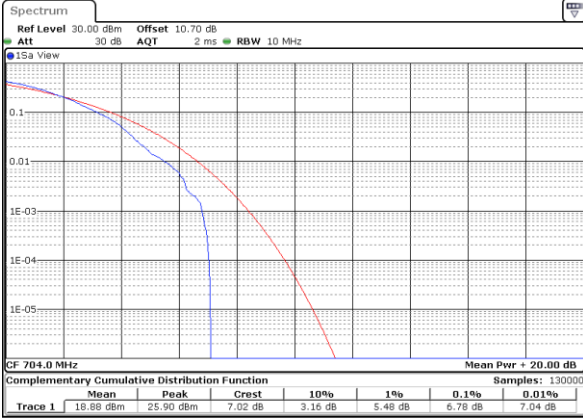


Date: 28_JAN,2020 02:14:06



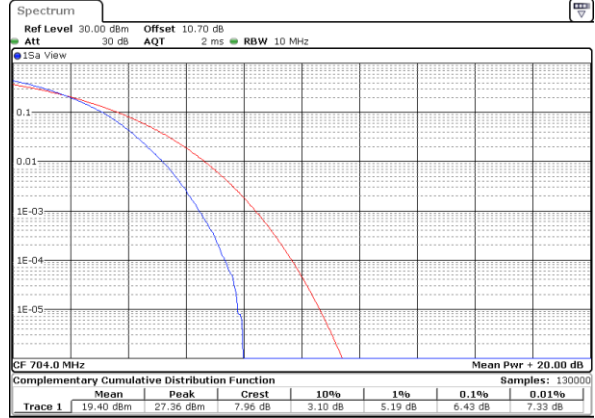
LTE Band 12 / 10MHz / 64QAM

Lowest Channel / 1RB



Date: 28_JAN.2020 02:12:17

Lowest Channel / Full RB



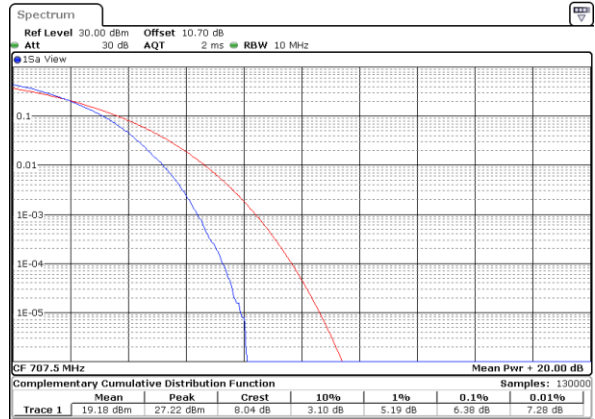
Date: 28_JAN.2020 02:12:05

Middle Channel / 1RB



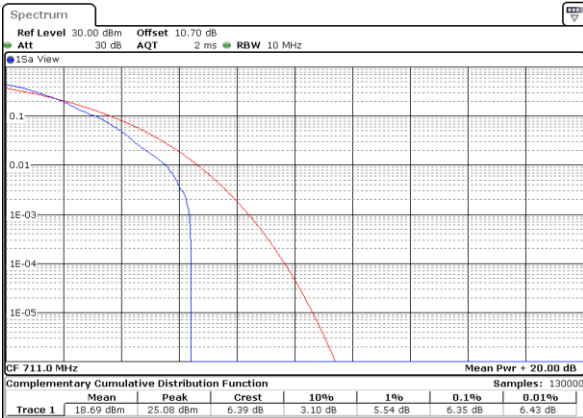
Date: 28_JAN.2020 02:12:29

Middle Channel / Full RB



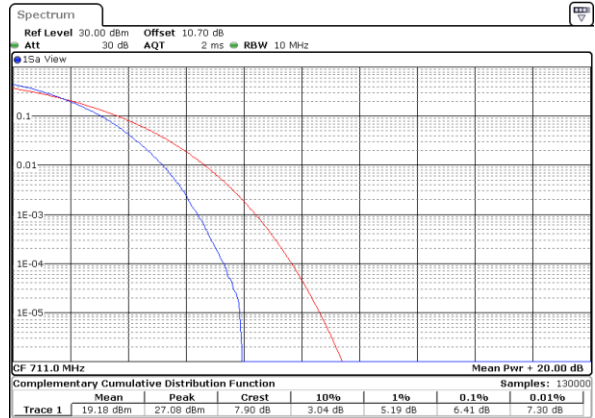
Date: 28_JAN.2020 02:12:41

Highest Channel / 1RB



Date: 28_JAN.2020 02:13:05

Highest Channel / Full RB



Date: 28_JAN.2020 02:12:53



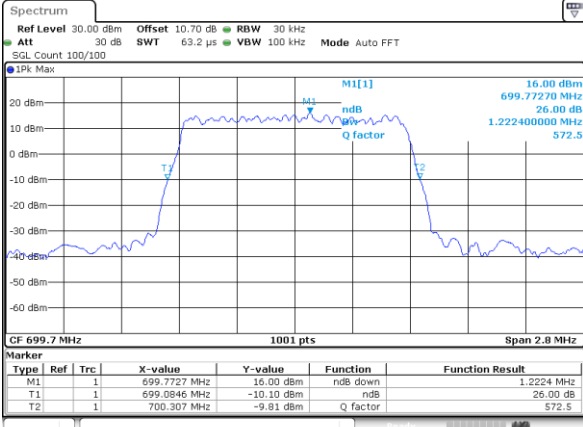
26dB Bandwidth

| Mode | LTE Band 12 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.22 | 1.23 | 2.97 | 3.03 | 4.95 | 4.94 | 9.75 | 9.75 | - | - | - | - |
| Middle CH | 1.22 | 1.21 | 3.02 | 3.04 | 5.00 | 4.90 | 9.99 | 9.75 | - | - | - | - |
| Highest CH | 1.23 | 1.24 | 3.02 | 3.03 | 4.94 | 4.95 | 9.83 | 9.89 | - | - | - | - |
| Mode | LTE Band 12 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.23 | - | 3.03 | - | 4.86 | - | 9.79 | - | - | - | - | - |
| Middle CH | 1.24 | - | 3.03 | - | 4.91 | - | 9.71 | - | - | - | - | - |
| Highest CH | 1.22 | - | 3.02 | - | 4.82 | - | 9.77 | - | - | - | - | - |



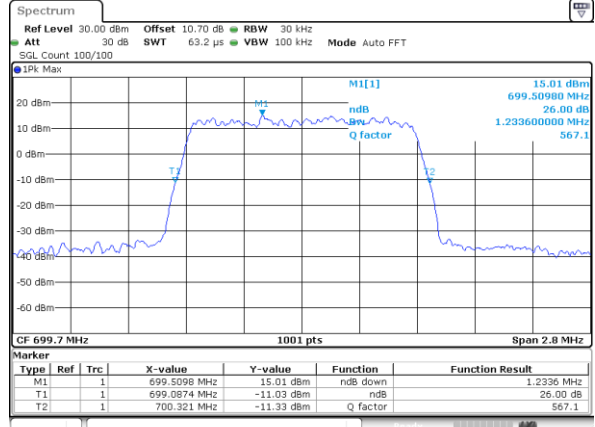
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



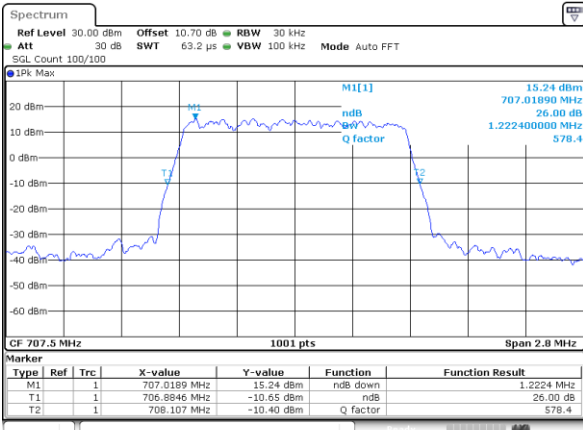
Date: 28_JAN_2020 00:37:40

Lowest Channel / 1.4MHz / 16QAM



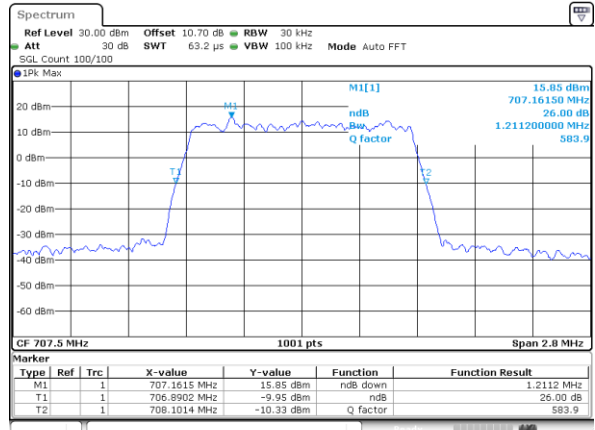
Date: 28_JAN_2020 00:37:25

Middle Channel / 1.4MHz / QPSK



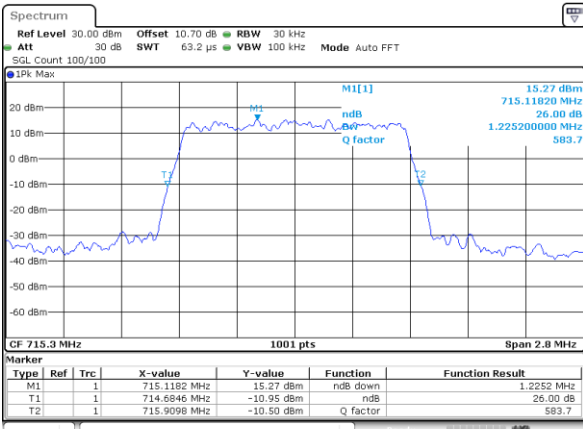
Date: 28_JAN_2020 00:43:55

Middle Channel / 1.4MHz / 16QAM



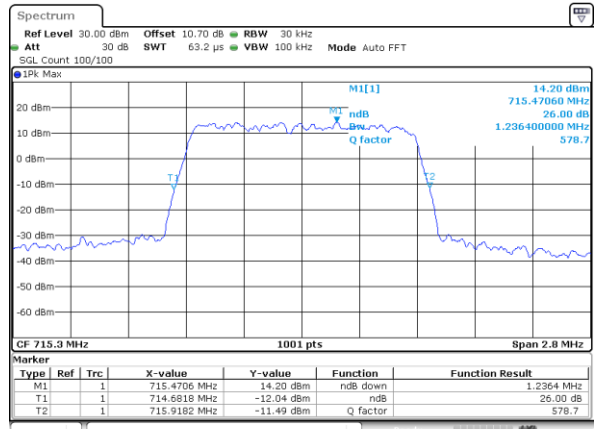
Date: 28_JAN_2020 00:44:08

Highest Channel / 1.4MHz / QPSK



Date: 28_JAN_2020 00:46:52

Highest Channel / 1.4MHz / 16QAM

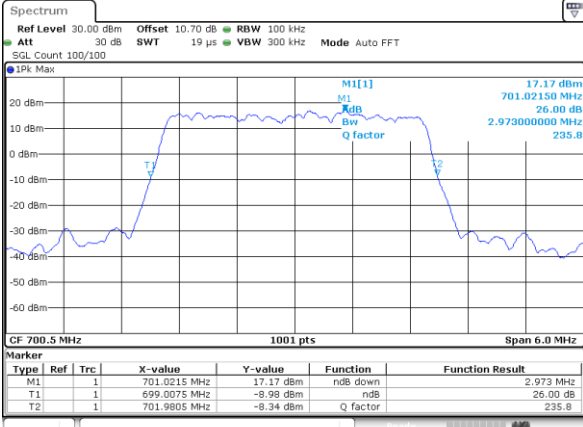


Date: 28_JAN_2020 00:46:38



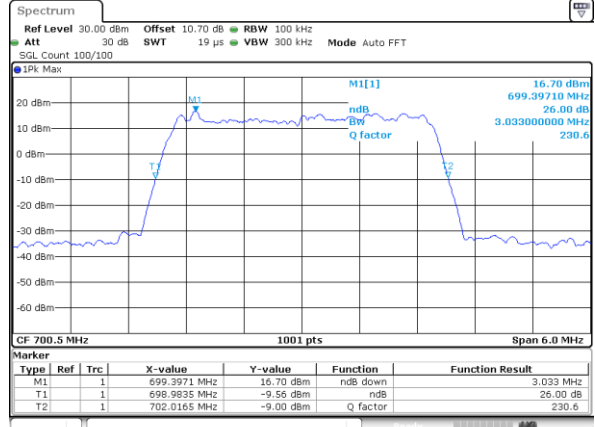
LTE Band 12

Lowest Channel / 3MHz / QPSK



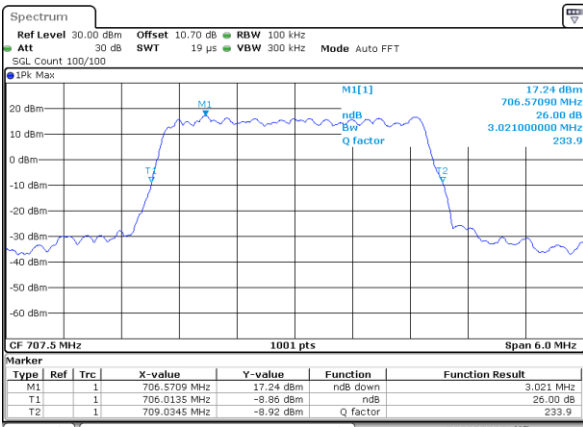
Date: 28_JAN_2020 01:01:13

Lowest Channel / 3MHz / 16QAM



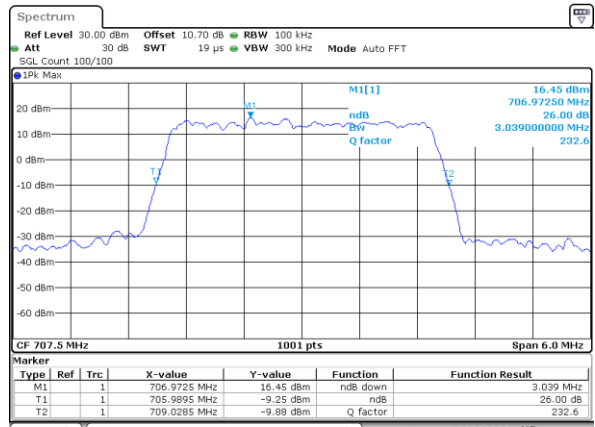
Date: 28_JAN_2020 01:00:59

Middle Channel / 3MHz / QPSK



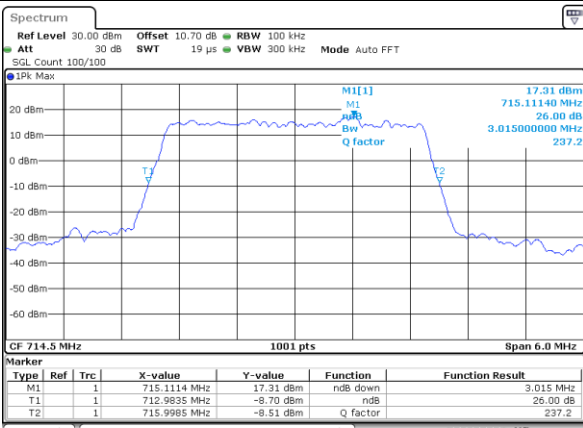
Date: 28_JAN_2020 01:07:27

Middle Channel / 3MHz / 16QAM



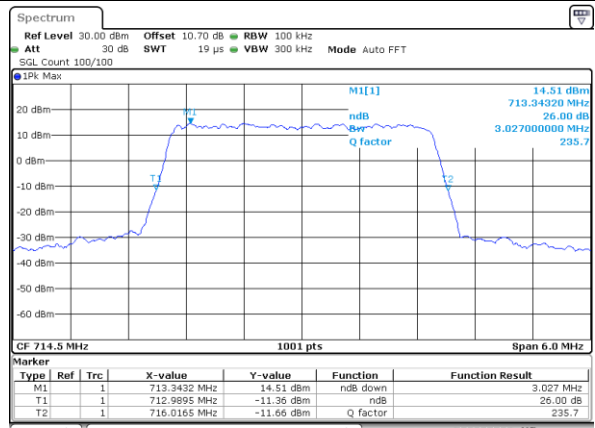
Date: 28_JAN_2020 01:07:40

Highest Channel / 3MHz / QPSK



Date: 28_JAN_2020 01:10:24

Highest Channel / 3MHz / 16QAM

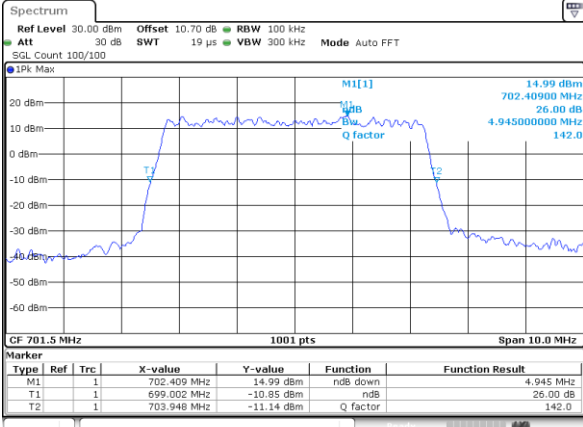


Date: 28_JAN_2020 01:10:10



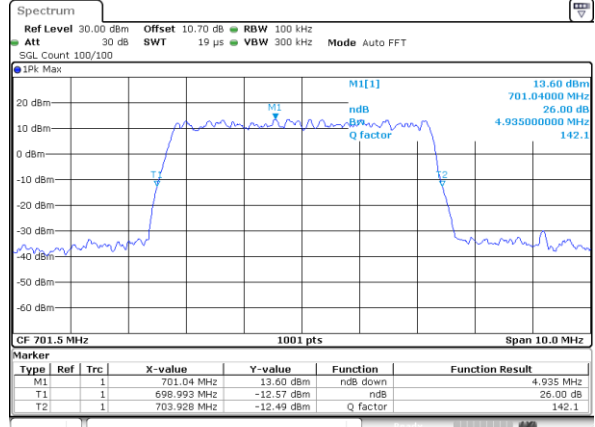
LTE Band 12

Lowest Channel / 5MHz / QPSK



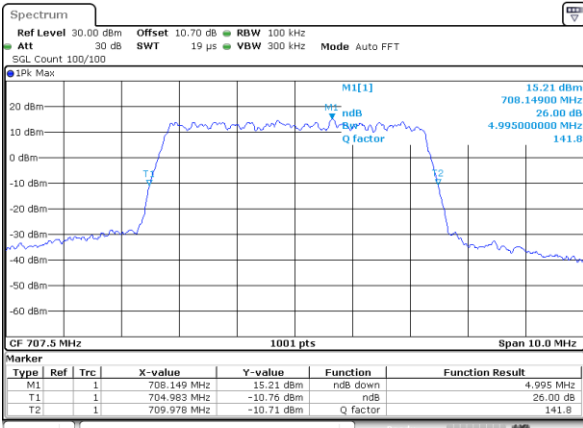
Date: 28_JAN_2020 01:32:14

Lowest Channel / 5MHz / 16QAM



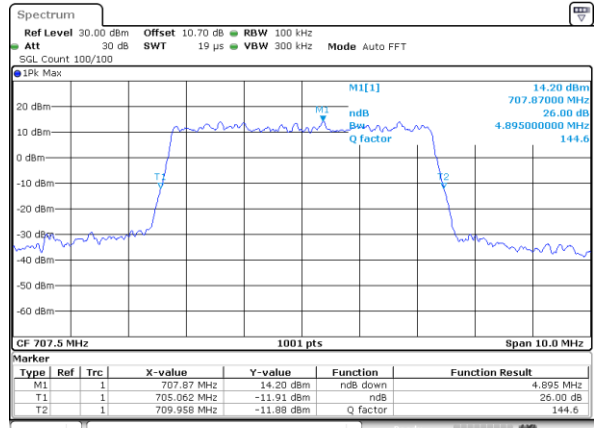
Date: 28_JAN_2020 01:32:120

Middle Channel / 5MHz / QPSK



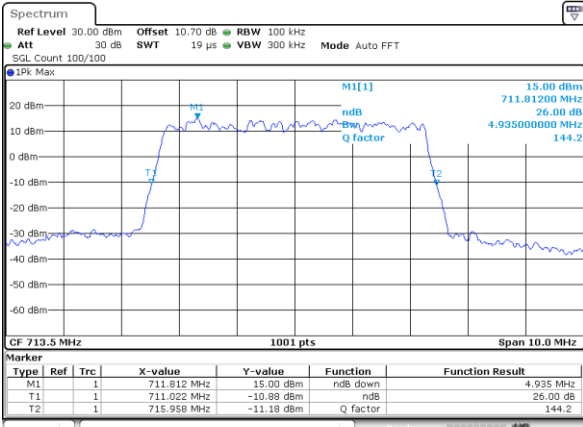
Date: 28_JAN_2020 01:38:48

Middle Channel / 5MHz / 16QAM



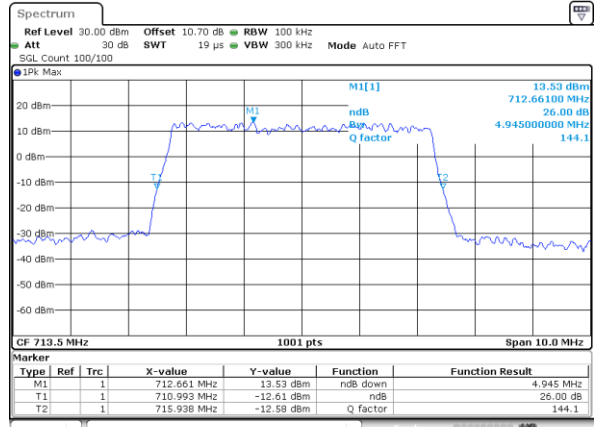
Date: 28_JAN_2020 01:39:01

Highest Channel / 5MHz / QPSK



Date: 28_JAN_2020 01:41:45

Highest Channel / 5MHz / 16QAM

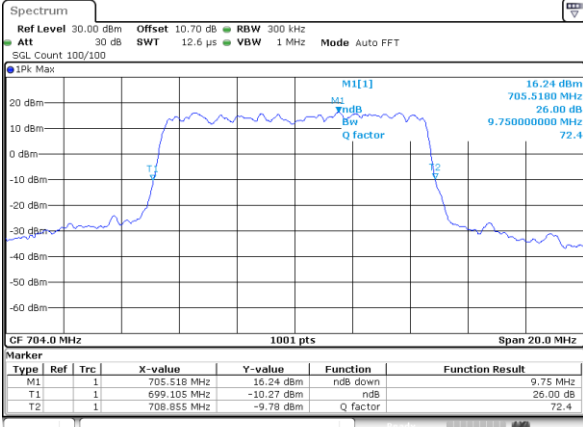


Date: 28_JAN_2020 01:41:131



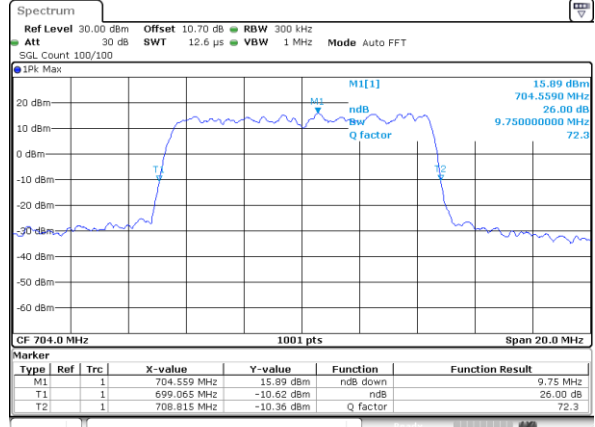
LTE Band 12

Lowest Channel / 10MHz / QPSK



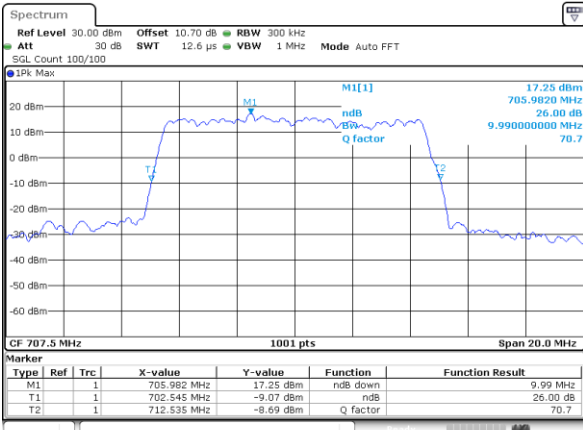
Date: 28_JAN_2020 01:48:14

Lowest Channel / 10MHz / 16QAM



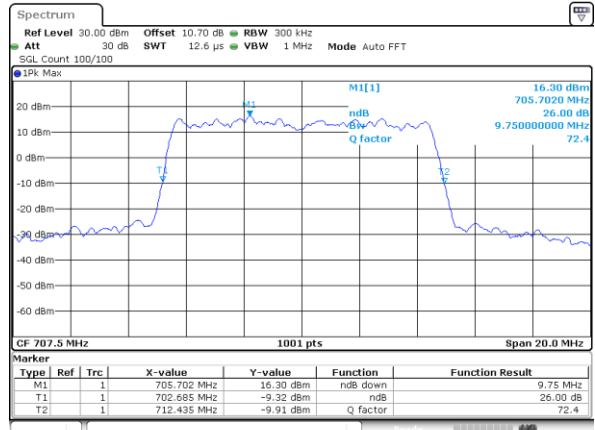
Date: 28_JAN_2020 01:48:00

Middle Channel / 10MHz / QPSK



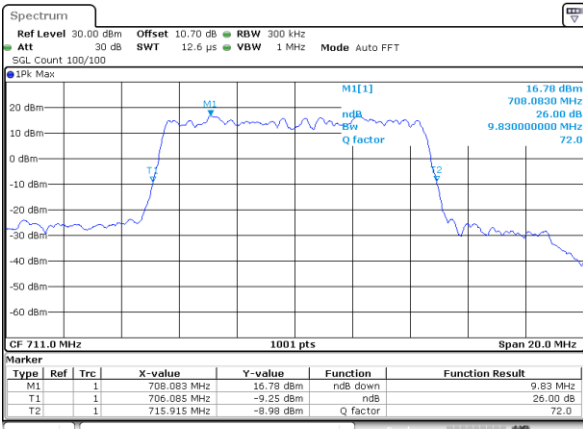
Date: 28_JAN_2020 01:54:28

Middle Channel / 10MHz / 16QAM



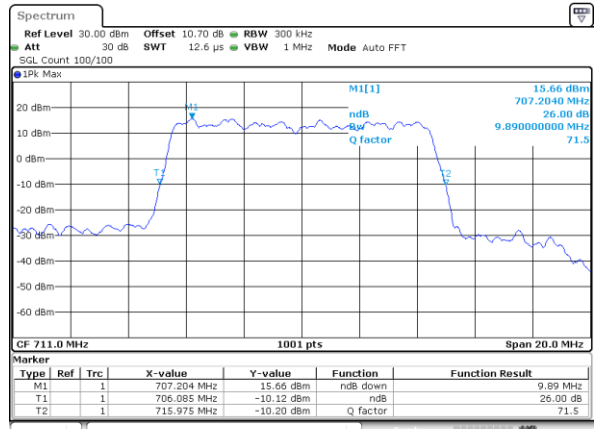
Date: 28_JAN_2020 01:55:41

Highest Channel / 10MHz / QPSK



Date: 28_JAN_2020 01:58:25

Highest Channel / 10MHz / 16QAM

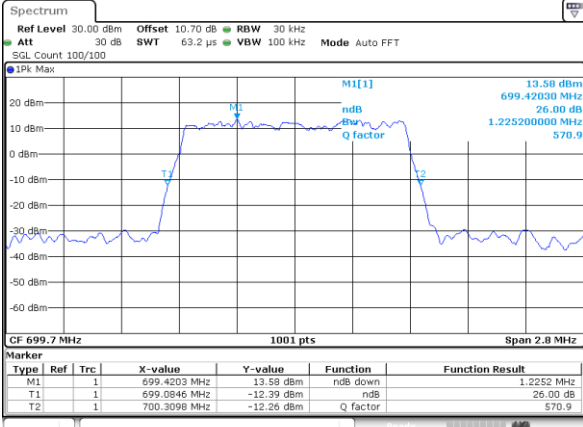


Date: 28_JAN_2020 01:58:11



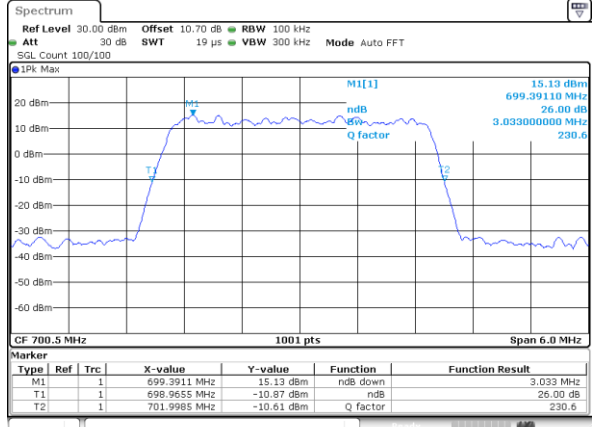
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



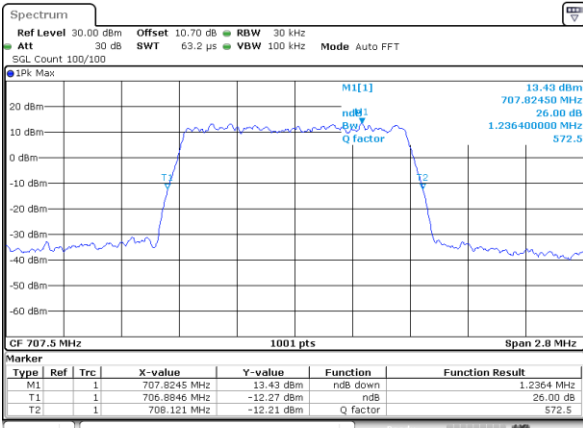
Date: 28_JAN_2020 00:52:54

Lowest Channel / 3MHz / 64QAM



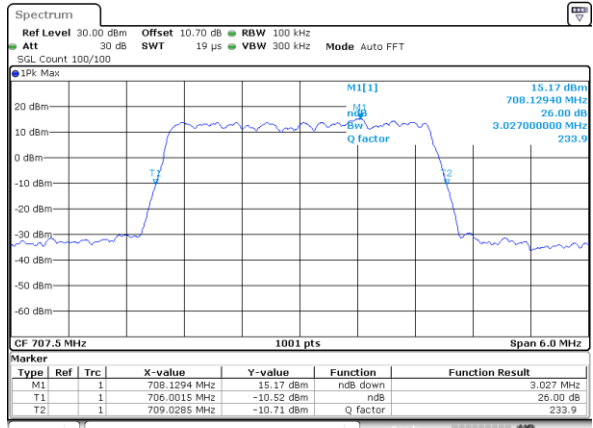
Date: 28_JAN_2020 01:16:26

Middle Channel / 1.4MHz / 64QAM



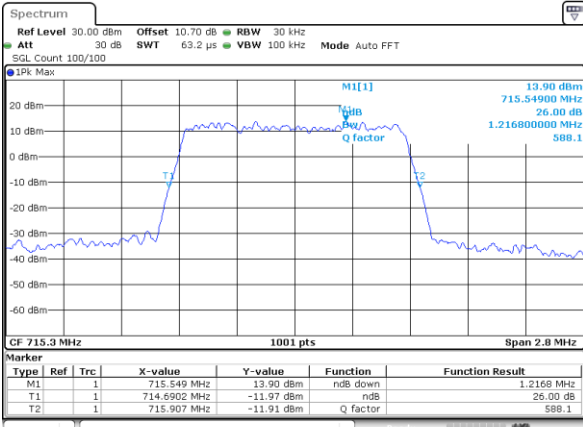
Date: 28_JAN_2020 00:56:08

Middle Channel / 3MHz / 64QAM



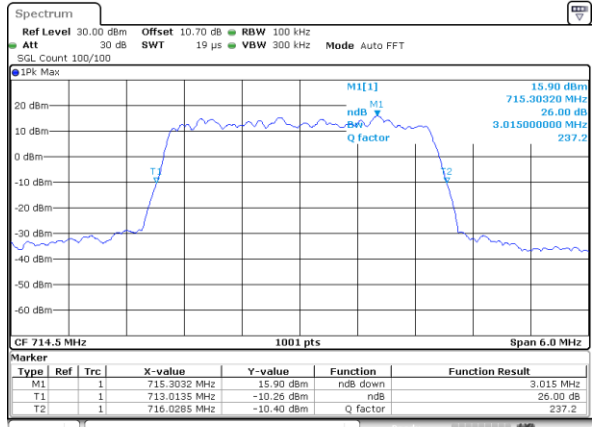
Date: 28_JAN_2020 01:19:39

Highest Channel / 1.4MHz / 64QAM



Date: 28_JAN_2020 00:57:30

Highest Channel / 3MHz / 64QAM

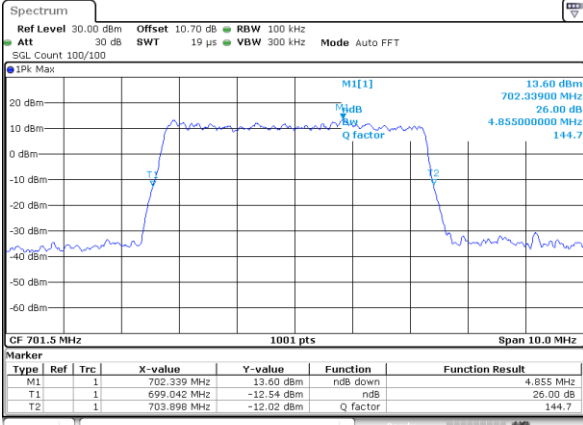


Date: 28_JAN_2020 01:21:01



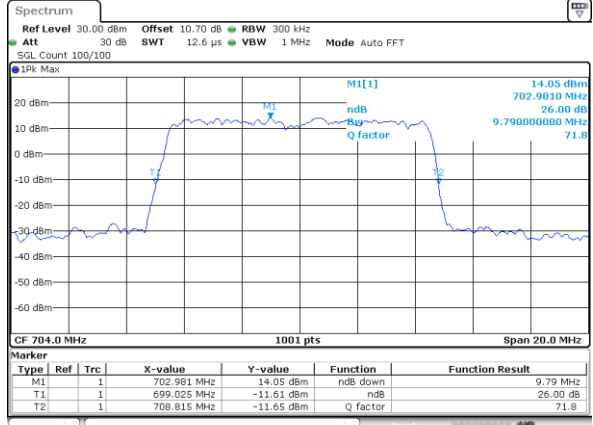
LTE Band 12

Lowest Channel / 5MHz / 64QAM



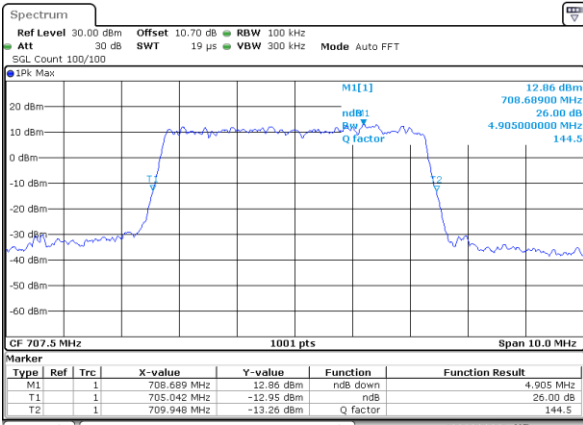
Date: 28_JAN_2020 01:24:16

Lowest Channel / 10MHz / 64QAM



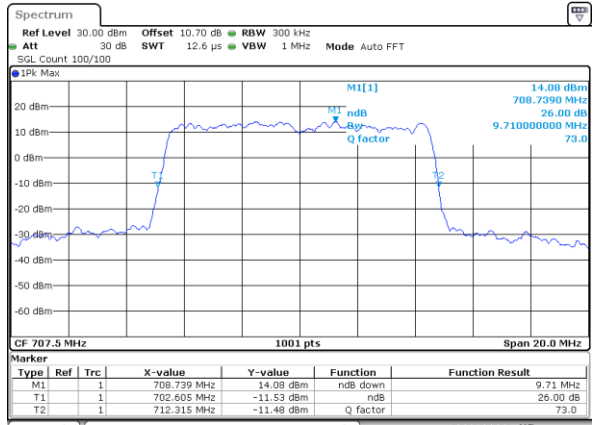
Date: 28_JAN_2020 02:10:126

Middle Channel / 5MHz / 64QAM



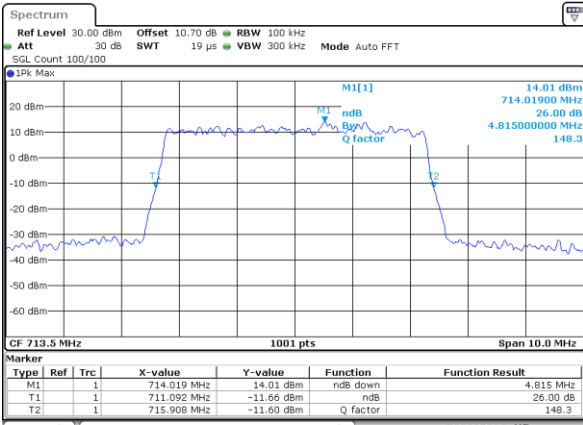
Date: 28_JAN_2020 01:27:29

Middle Channel / 10MHz / 64QAM



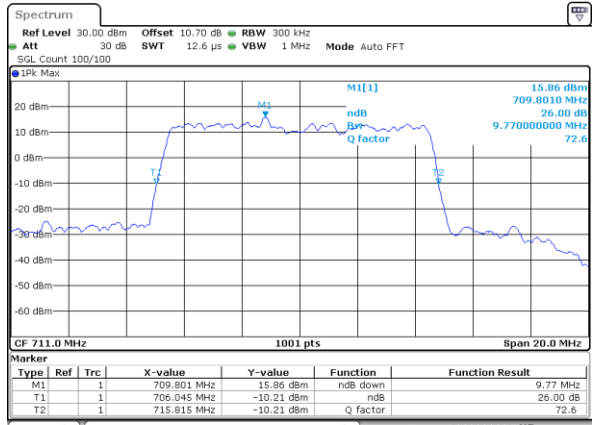
Date: 28_JAN_2020 02:10:140

Highest Channel / 5MHz / 64QAM



Date: 28_JAN_2020 01:28:51

Highest Channel / 10MHz / 64QAM



Date: 28_JAN_2020 02:10:9:02



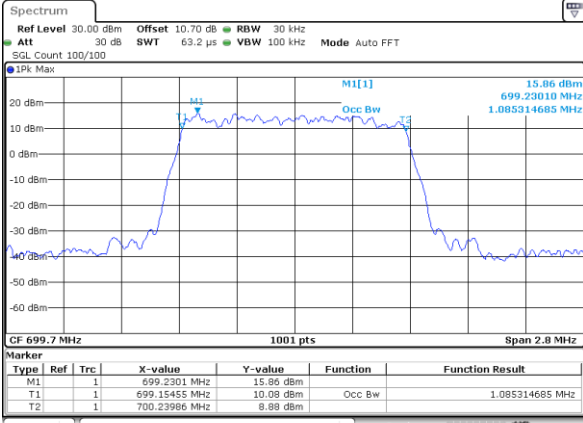
Occupied Bandwidth

| Mode | LTE Band 12 : 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 | 1.08 | 2.73 | 2.72 | 4.50 | 4.48 | 8.99 | 9.05 | - | - | - | - |
| Middle CH | 1.09 | 1.09 | 2.71 | 2.72 | 4.49 | 4.49 | 9.01 | 9.03 | - | - | - | - |
| Highest CH | 1.09 | 1.09 | 2.72 | 2.71 | 4.48 | 4.51 | 9.03 | 9.01 | - | - | - | - |
| Mode | LTE Band 12 : 99%OBW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.09 | - | 2.72 | - | 4.49 | - | 9.03 | - | - | - | - | - |
| Middle CH | 1.09 | - | 2.71 | - | 4.50 | - | 8.99 | - | - | - | - | - |
| Highest CH | 1.09 | - | 2.73 | - | 4.53 | - | 9.05 | - | - | - | - | - |



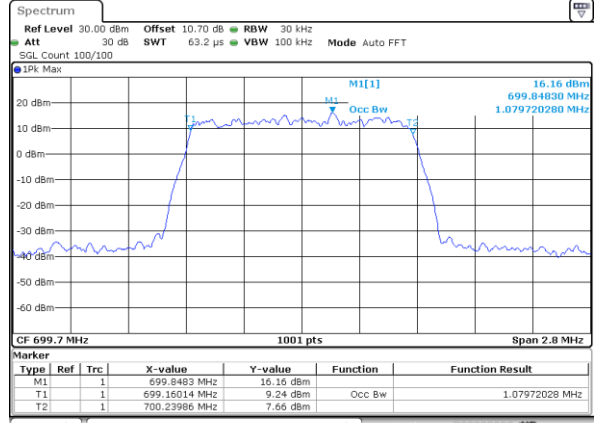
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



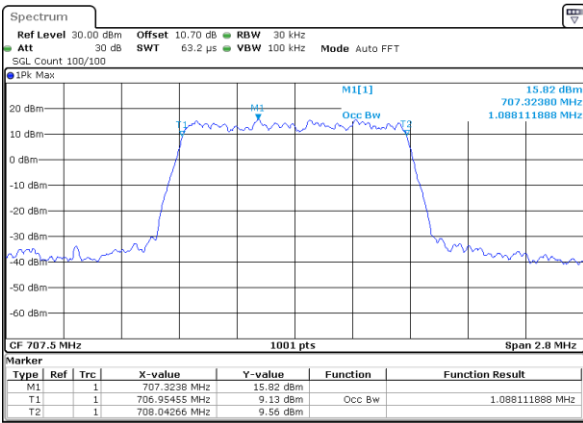
Date: 28_JAN,2020 00:36:56

Lowest Channel / 1.4MHz / 16QAM



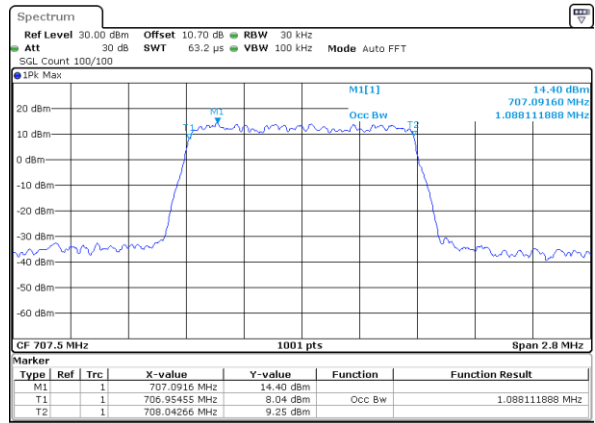
Date: 28_JAN,2020 00:37:11

Middle Channel / 1.4MHz / QPSK



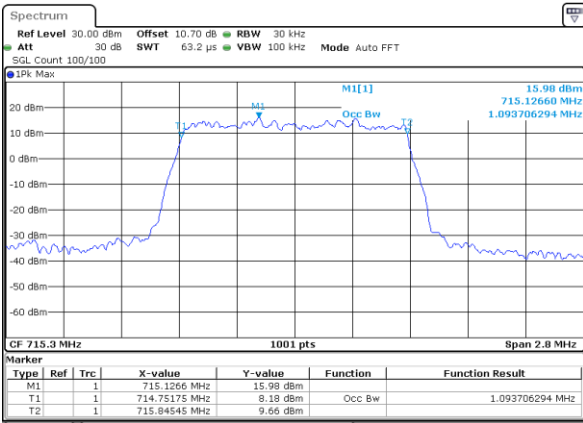
Date: 28_JAN,2020 00:43:42

Middle Channel / 1.4MHz / 16QAM



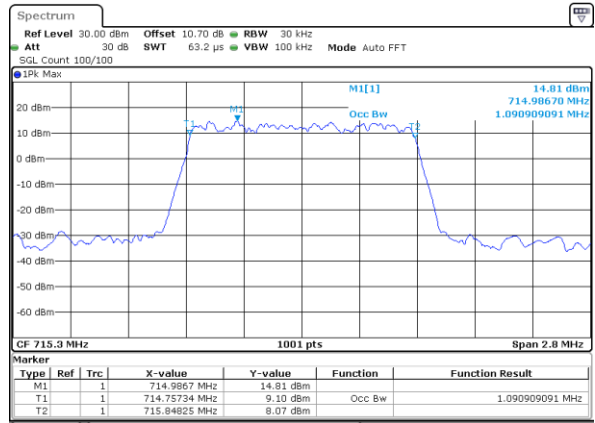
Date: 28_JAN,2020 00:43:29

Highest Channel / 1.4MHz / QPSK



Date: 28_JAN,2020 00:46:11

Highest Channel / 1.4MHz / 16QAM

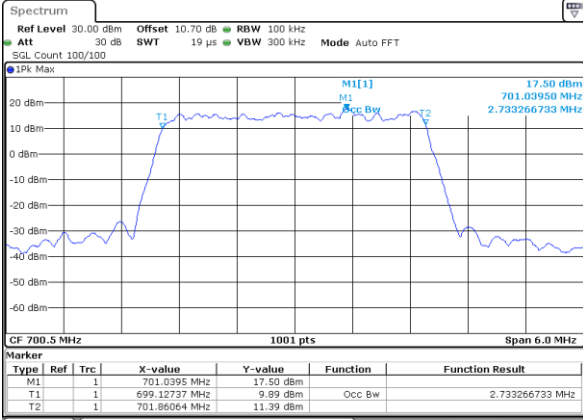


Date: 28_JAN,2020 00:46:24



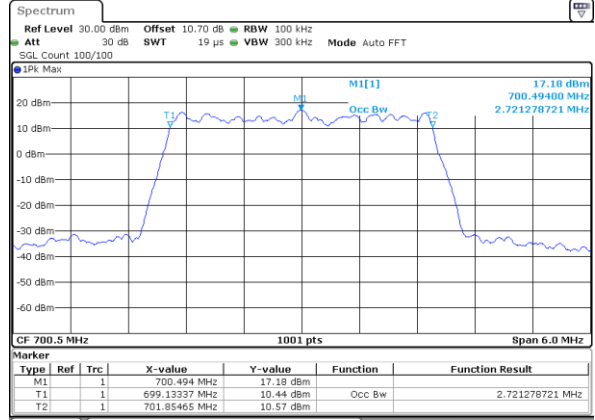
LTE Band 12

Lowest Channel / 3MHz / QPSK



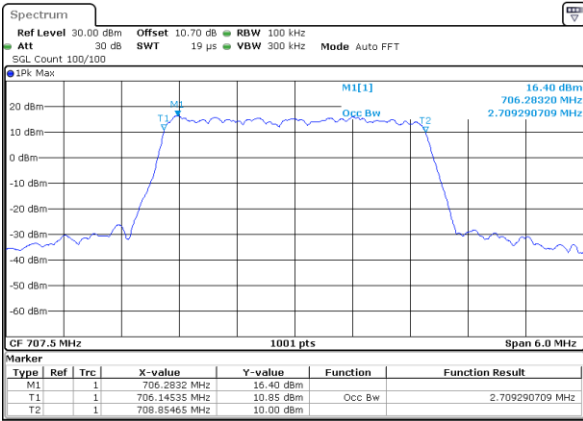
Date: 28_JAN,2020 01:00:13

Lowest Channel / 3MHz / 16QAM



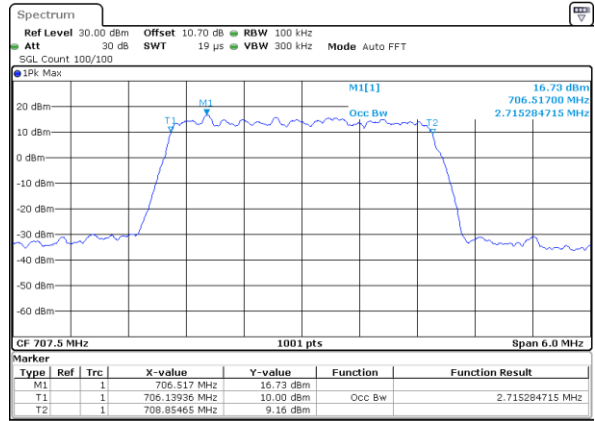
Date: 28_JAN,2020 01:00:45

Middle Channel / 3MHz / QPSK



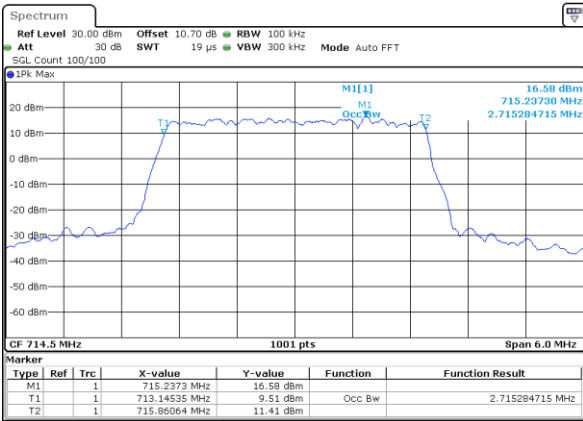
Date: 28_JAN,2020 01:07:14

Middle Channel / 3MHz / 16QAM



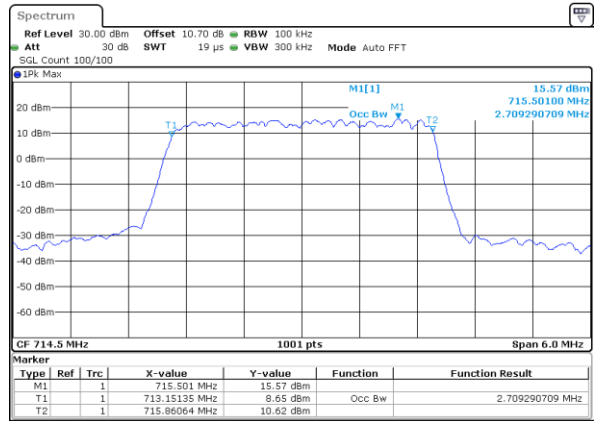
Date: 28_JAN,2020 01:07:00

Highest Channel / 3MHz / QPSK



Date: 28_JAN,2020 01:09:43

Highest Channel / 3MHz / 16QAM

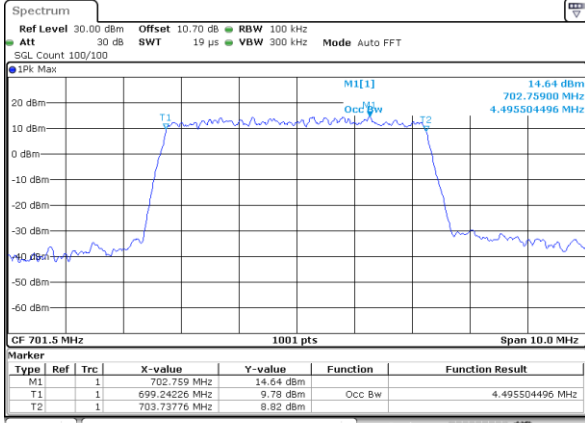


Date: 28_JAN,2020 01:09:56



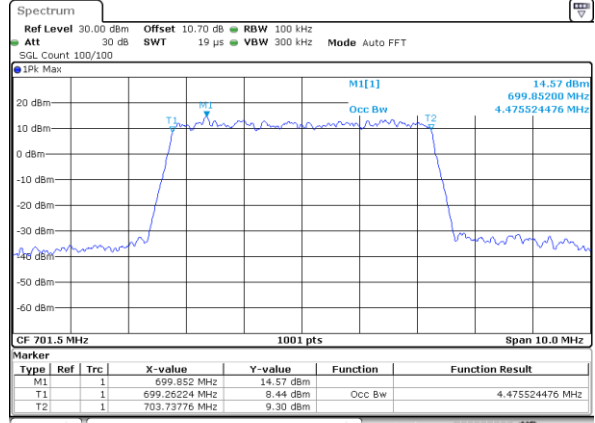
LTE Band 12

Lowest Channel / 5MHz / QPSK



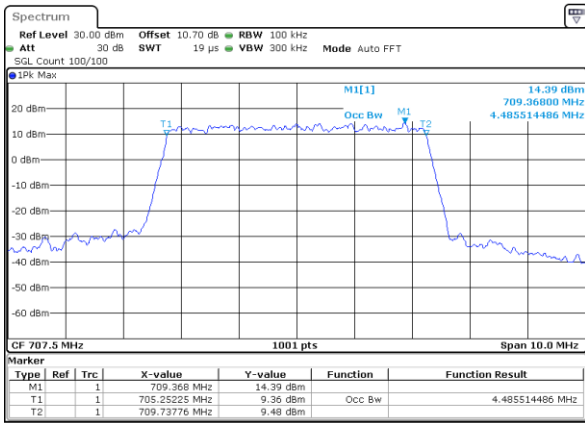
Date: 28_JAN,2020 01:31:52

Lowest Channel / 5MHz / 16QAM



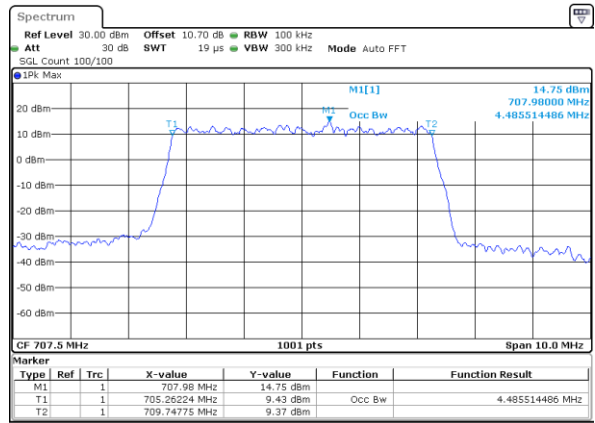
Date: 28_JAN,2020 01:32:06

Middle Channel / 5MHz / QPSK



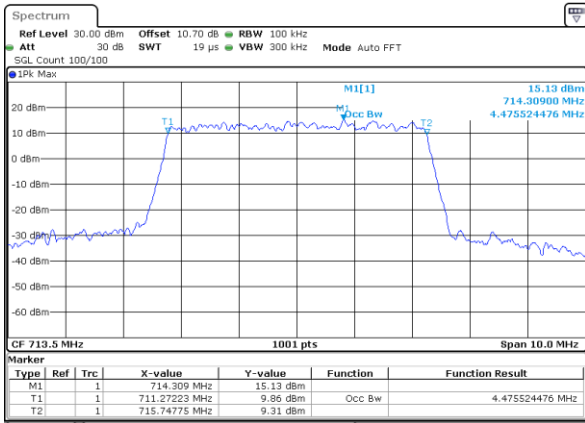
Date: 28_JAN,2020 01:38:05

Middle Channel / 5MHz / 16QAM



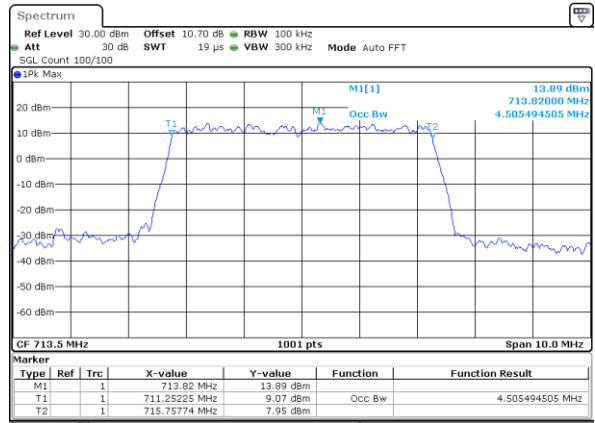
Date: 28_JAN,2020 01:38:22

Highest Channel / 5MHz / QPSK



Date: 28_JAN,2020 01:41:03

Highest Channel / 5MHz / 16QAM

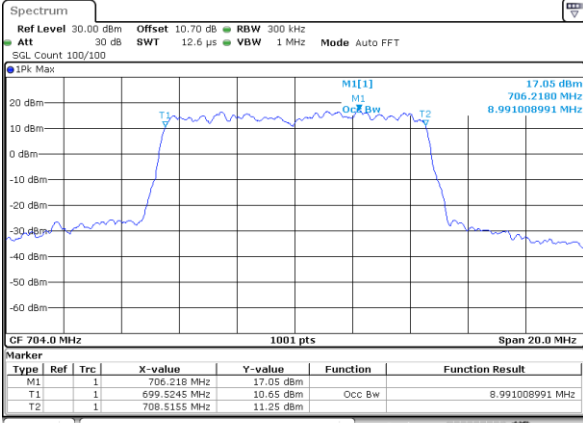


Date: 28_JAN,2020 01:41:17



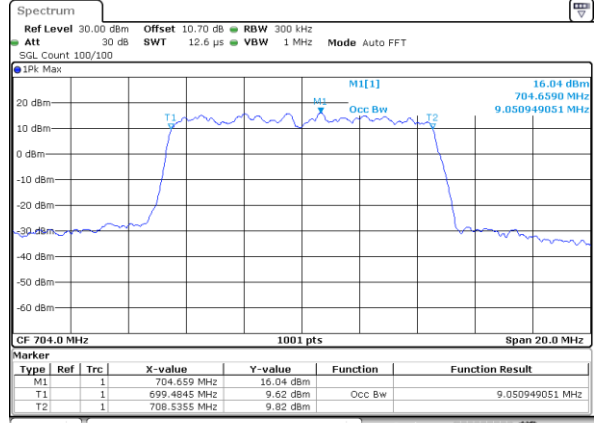
LTE Band 12

Lowest Channel / 10MHz / QPSK



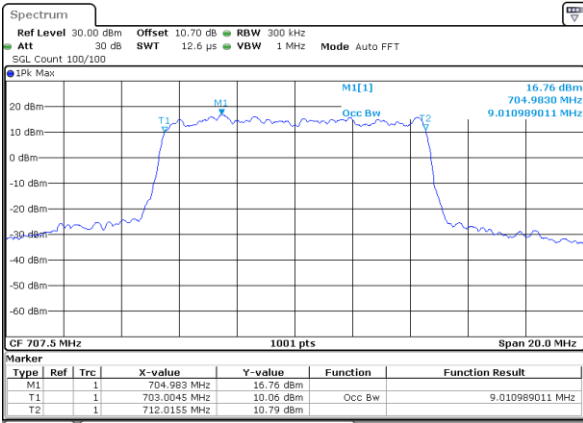
Date: 28_JAN,2020 01:47:33

Lowest Channel / 10MHz / 16QAM



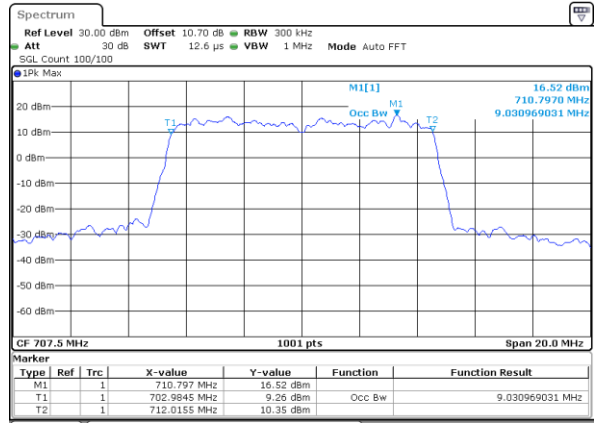
Date: 28_JAN,2020 01:47:47

Middle Channel / 10MHz / QPSK



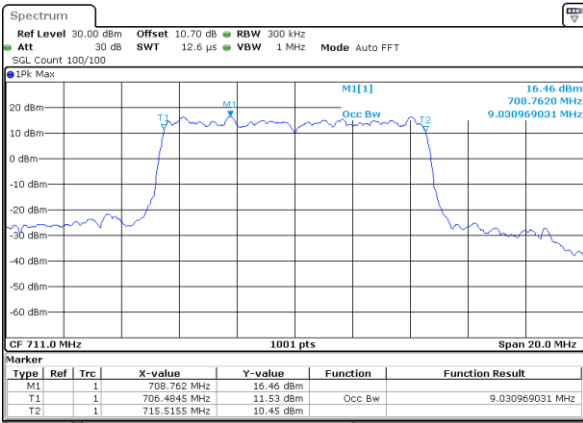
Date: 28_JAN,2020 01:54:15

Middle Channel / 10MHz / 16QAM



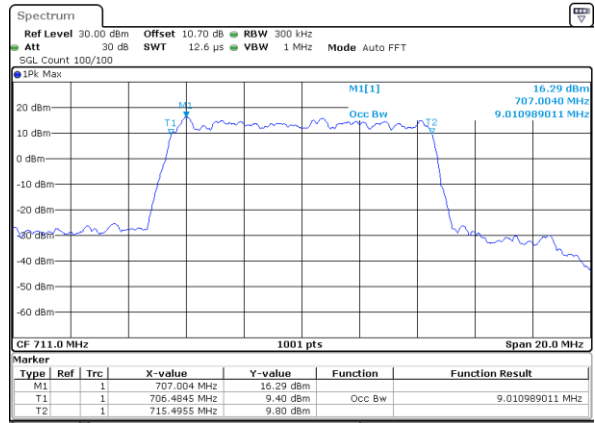
Date: 28_JAN,2020 01:54:02

Highest Channel / 10MHz / QPSK



Date: 28_JAN,2020 01:57:43

Highest Channel / 10MHz / 16QAM

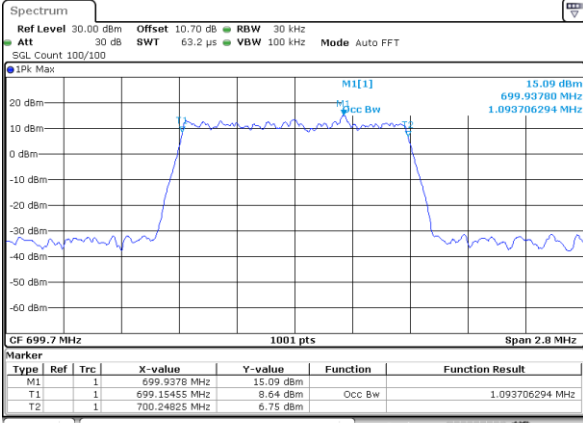


Date: 28_JAN,2020 01:57:57



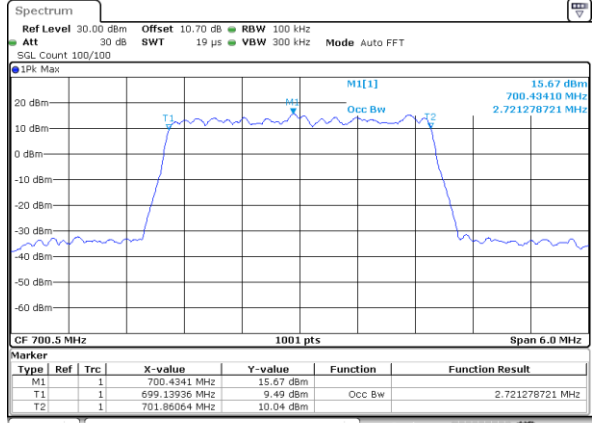
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



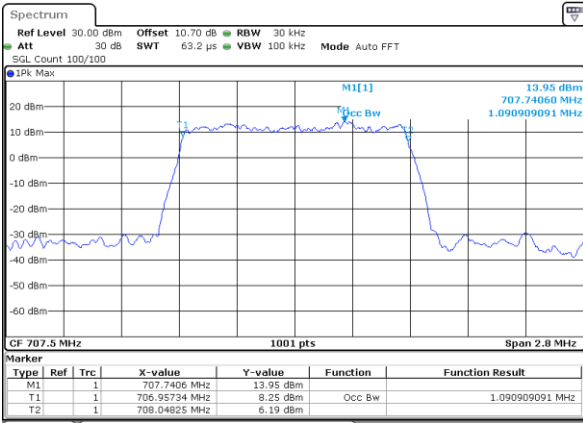
Date: 28_JAN,2020 00:52:40

Lowest Channel / 3MHz / 64QAM



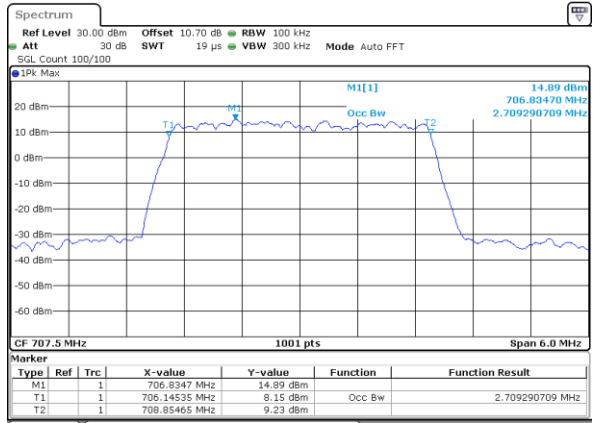
Date: 28_JAN,2020 01:16:12

Middle Channel / 1.4MHz / 64QAM



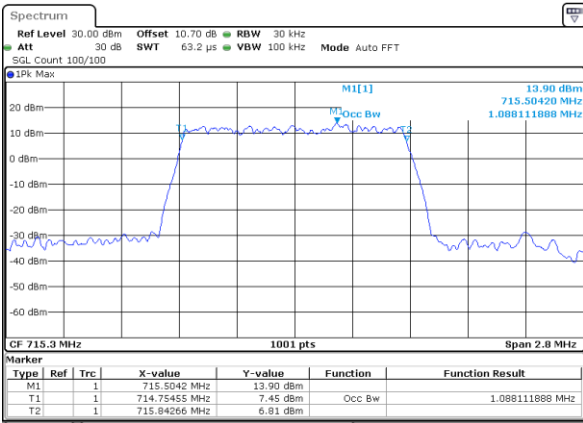
Date: 28_JAN,2020 00:55:55

Middle Channel / 3MHz / 64QAM



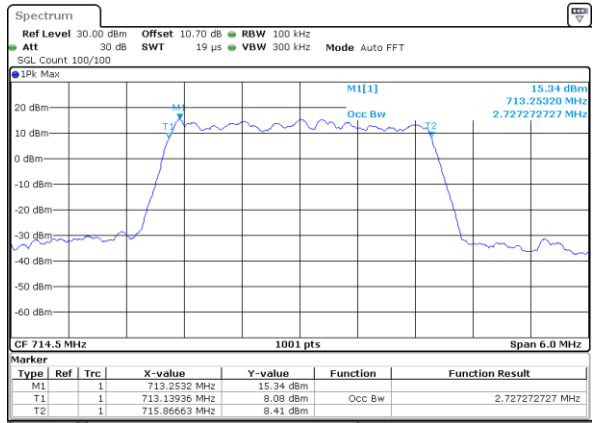
Date: 28_JAN,2020 01:19:26

Highest Channel / 1.4MHz / 64QAM



Date: 28_JAN,2020 00:57:16

Highest Channel / 3MHz / 64QAM

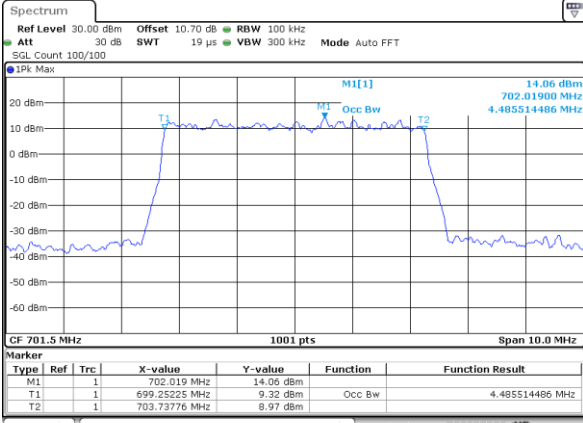


Date: 28_JAN,2020 01:20:47



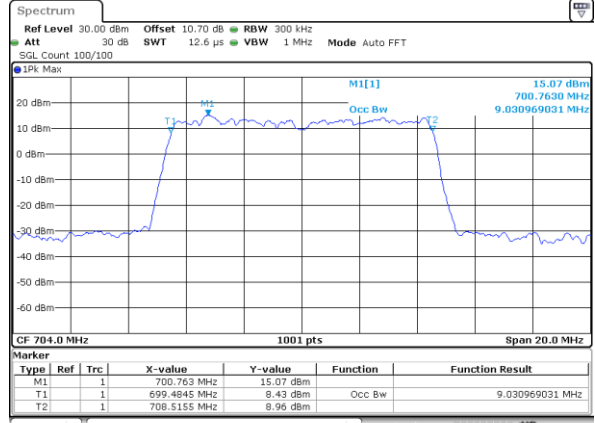
LTE Band 12

Lowest Channel / 5MHz / 64QAM



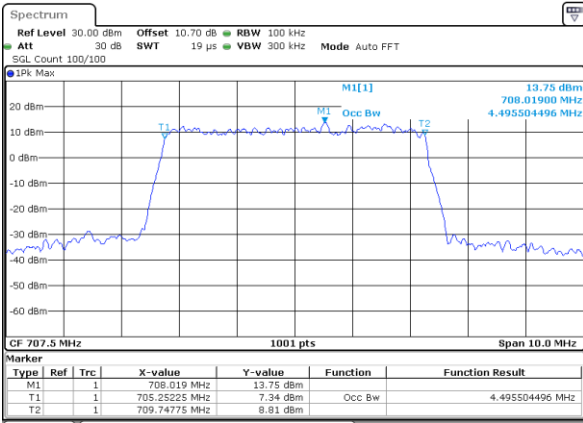
Date: 28_JAN_2020 01:24:02

Lowest Channel / 10MHz / 64QAM



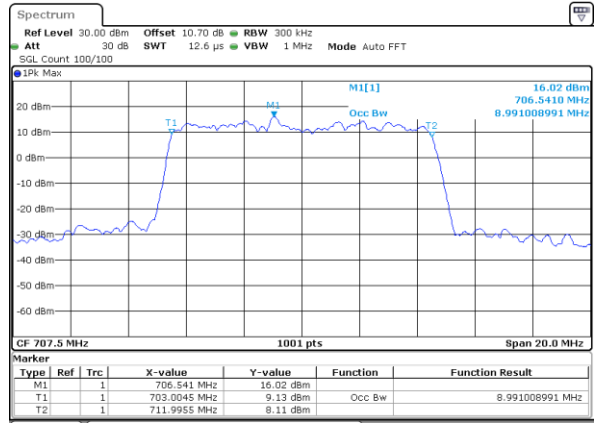
Date: 28_JAN_2020 02:10:13

Middle Channel / 5MHz / 64QAM



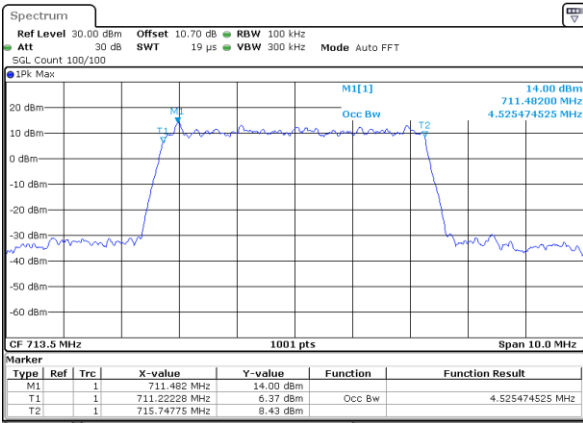
Date: 28_JAN_2020 01:27:16

Middle Channel / 10MHz / 64QAM



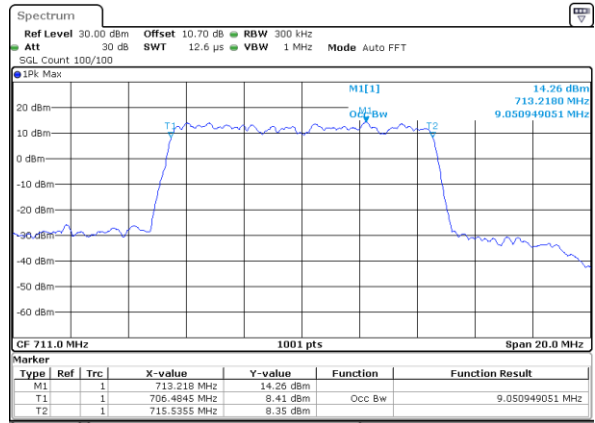
Date: 28_JAN_2020 02:10:26

Highest Channel / 5MHz / 64QAM



Date: 28_JAN_2020 01:28:37

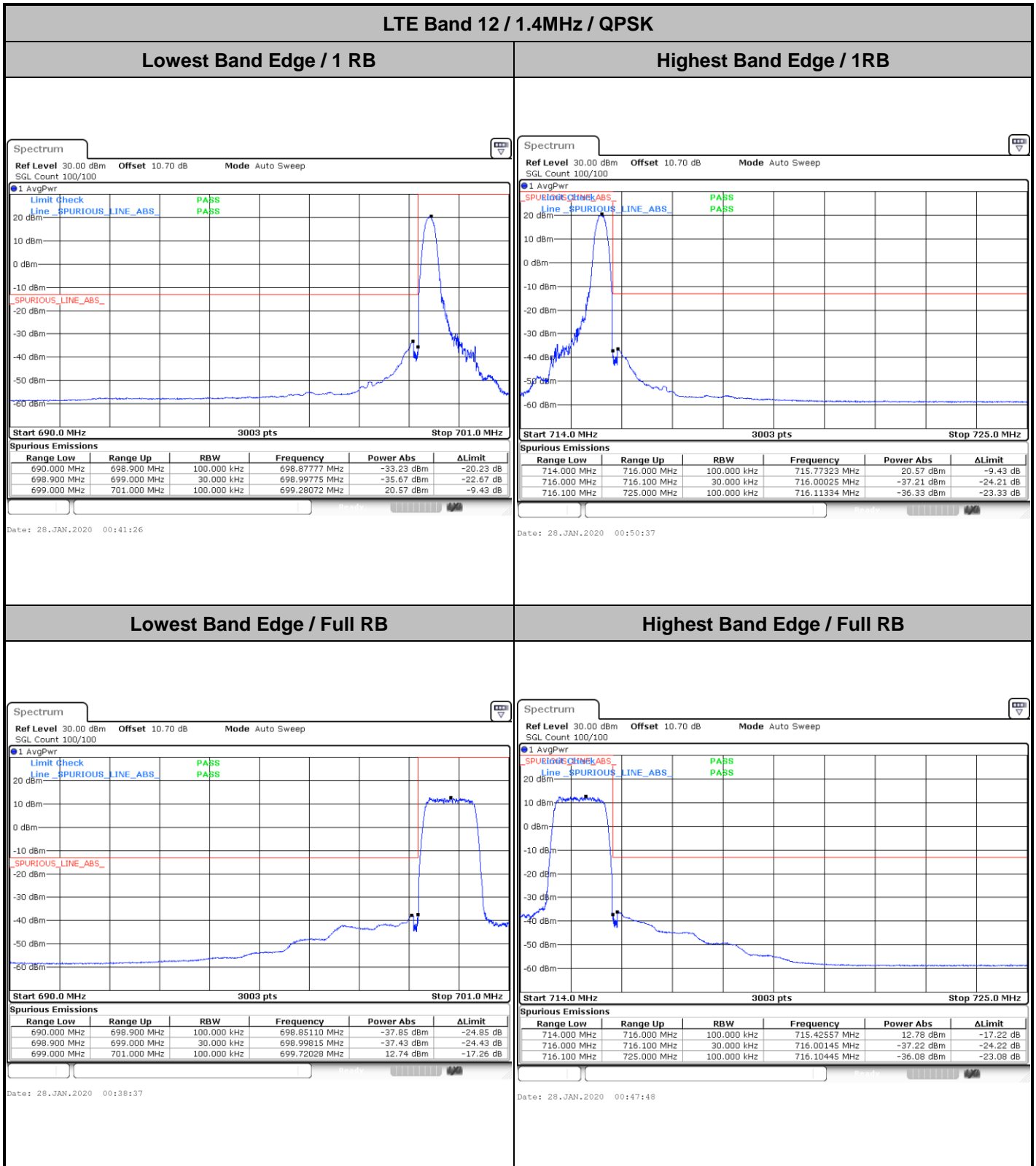
Highest Channel / 10MHz / 64QAM



Date: 28_JAN_2020 02:10:48



Conducted Band Edge

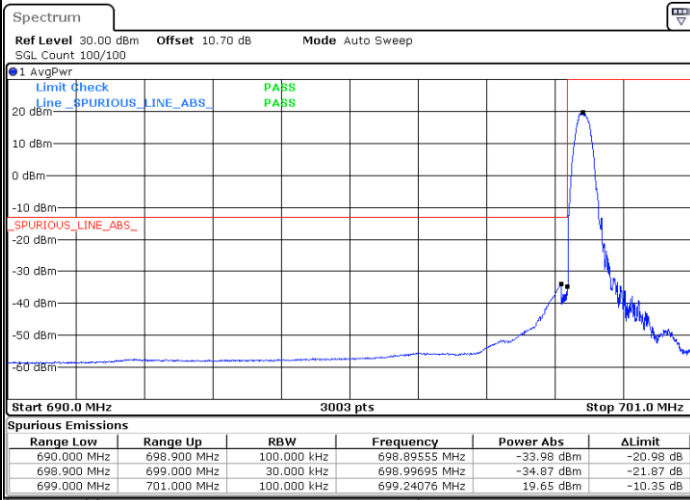




LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



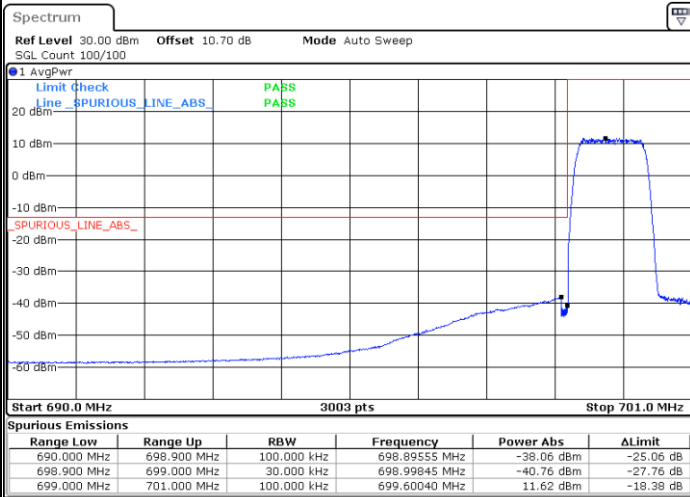
Date: 28.JAN.2020 00:40:29



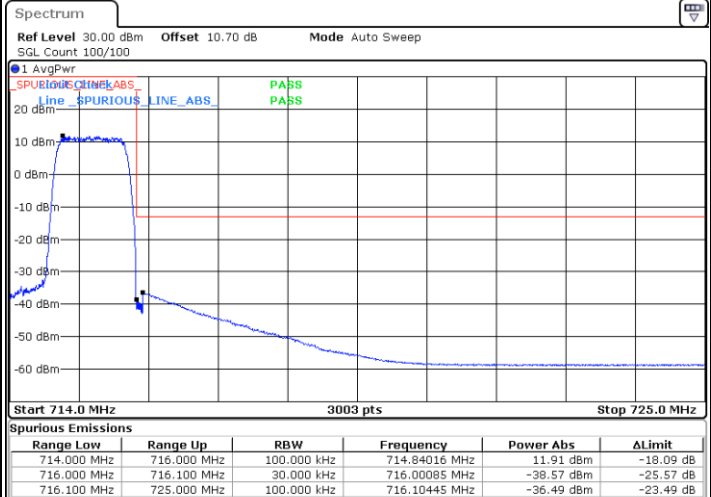
Date: 28.JAN.2020 00:49:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.JAN.2020 00:39:33

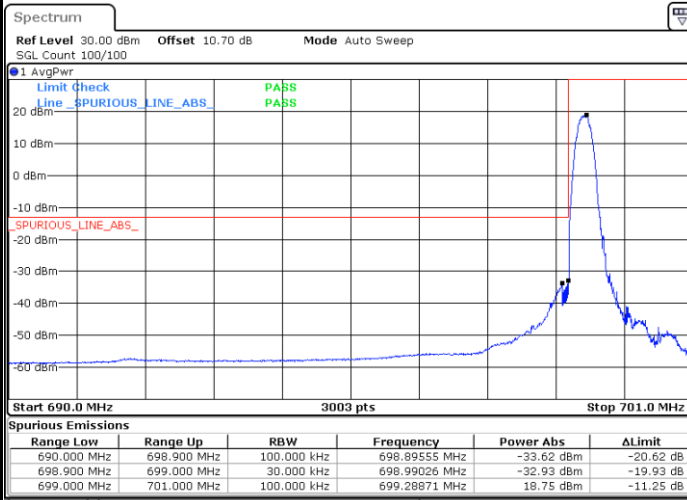


Date: 28.JAN.2020 00:48:44



LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



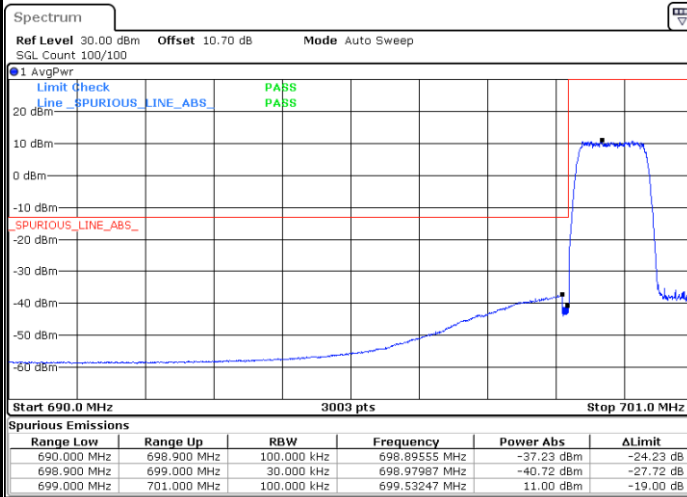
Date: 28.JAN.2020 00:54:47

Highest Band Edge / 1 RB



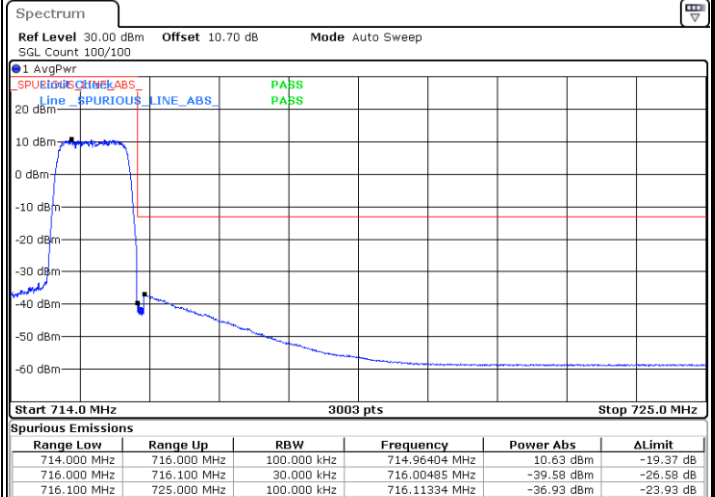
Date: 28.JAN.2020 00:59:22

Lowest Band Edge / Full RB



Date: 28.JAN.2020 00:53:50

Highest Band Edge / Full RB

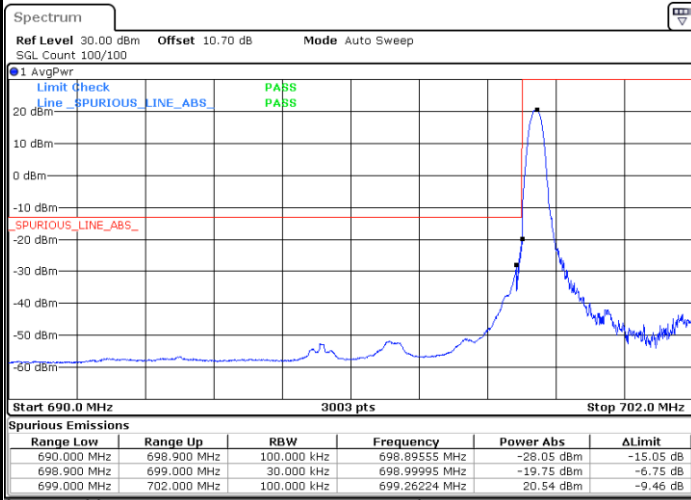


Date: 28.JAN.2020 00:58:26



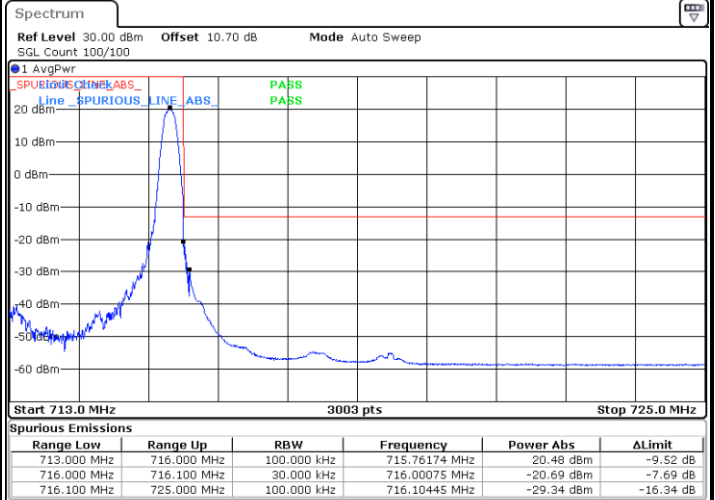
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



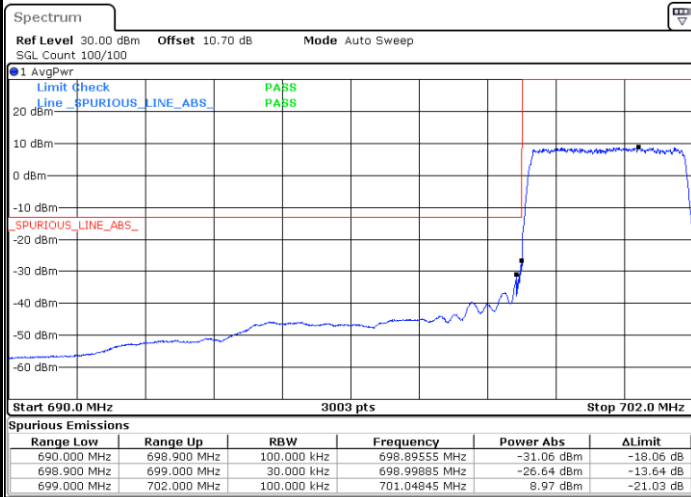
Date: 28.JAN.2020 01:04:57

Highest Band Edge / 1 RB



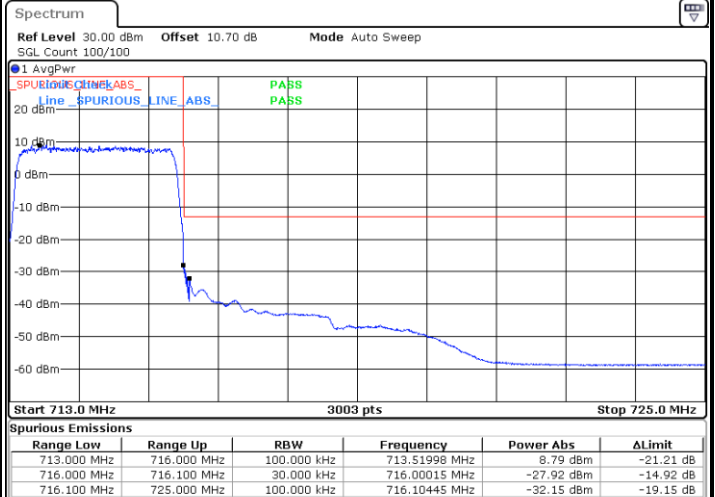
Date: 28.JAN.2020 01:14:09

Lowest Band Edge / Full RB



Date: 28.JAN.2020 01:02:09

Highest Band Edge / Full RB

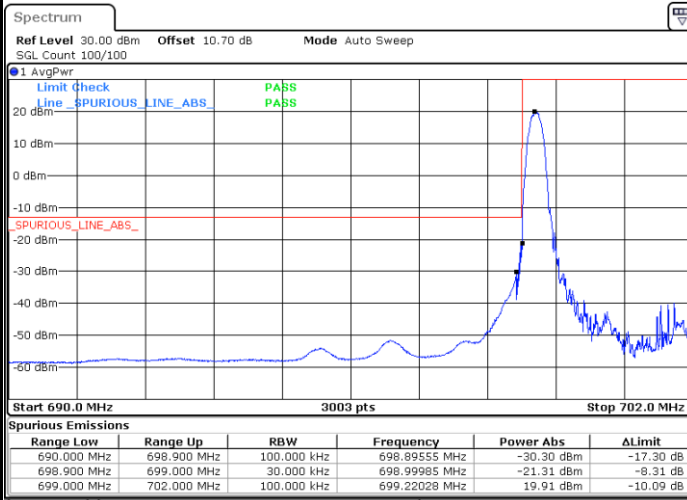


Date: 28.JAN.2020 01:11:20



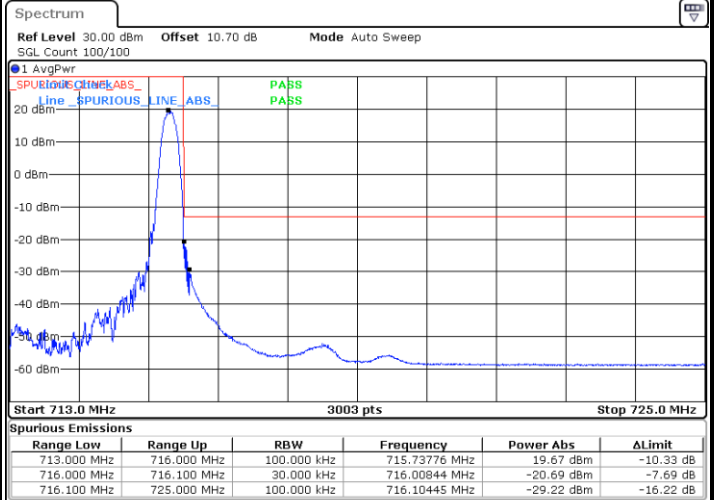
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



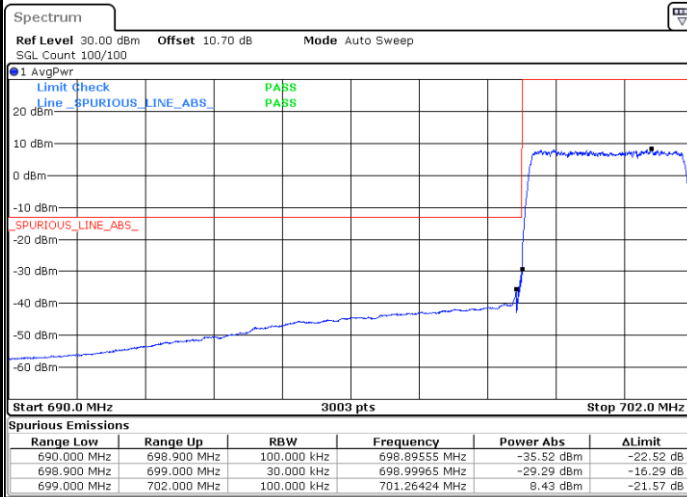
Date: 28.JAN.2020 01:04:01

Highest Band Edge / 1 RB



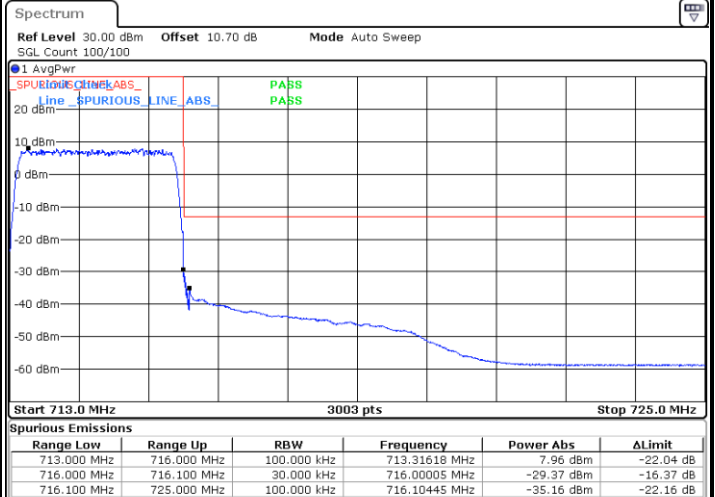
Date: 28.JAN.2020 01:13:13

Lowest Band Edge / Full RB



Date: 28.JAN.2020 01:03:05

Highest Band Edge / Full RB

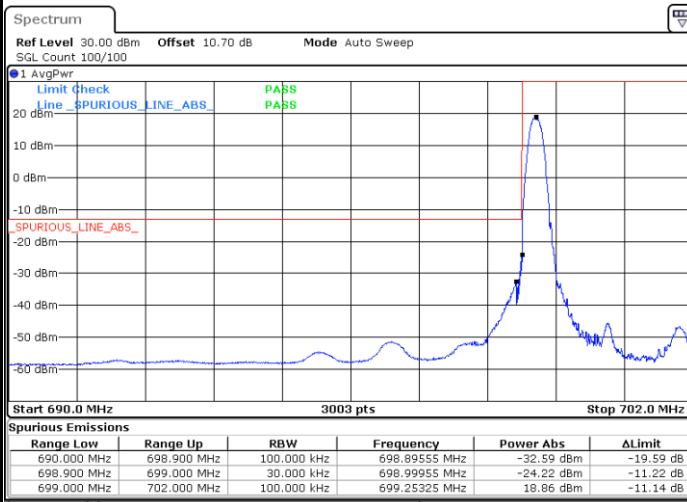


Date: 28.JAN.2020 01:12:16



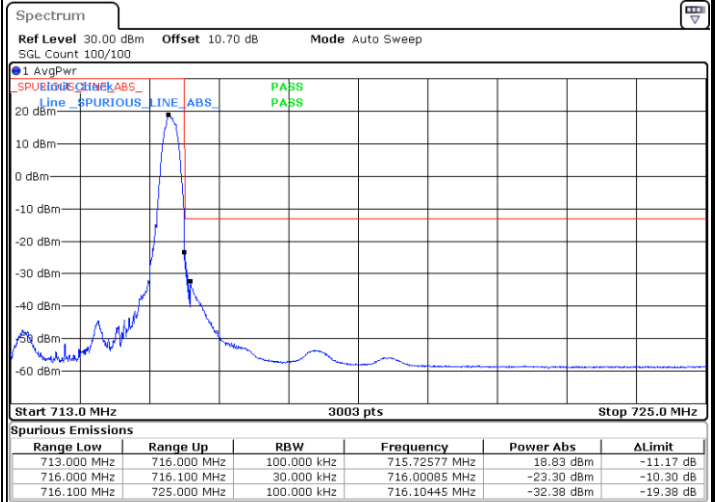
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



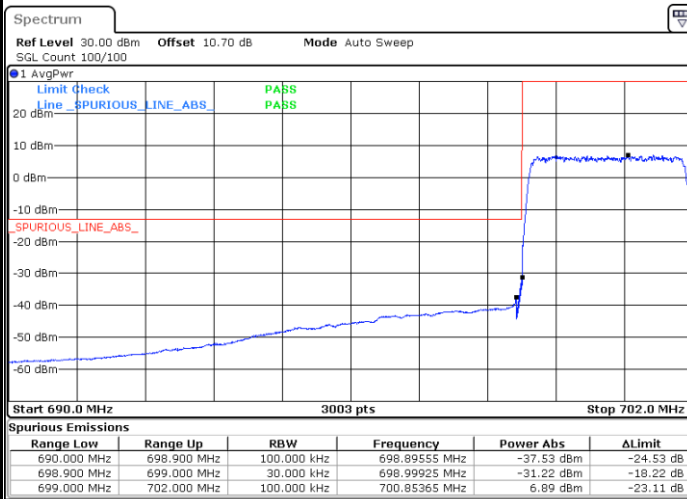
Date: 28.JAN.2020 01:18:18

Highest Band Edge / 1 RB



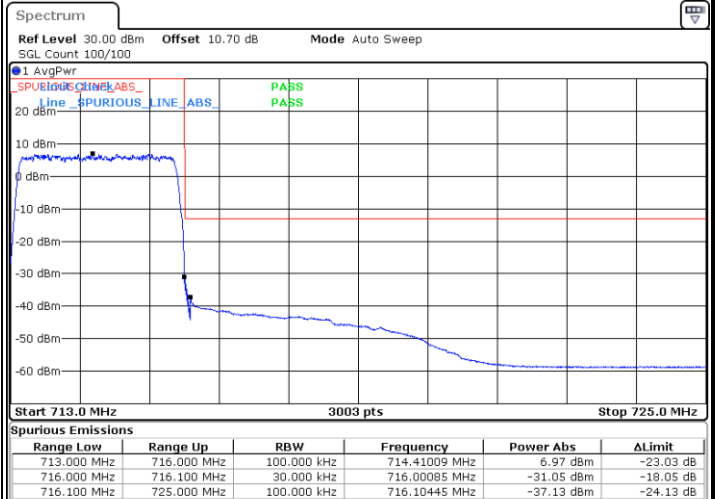
Date: 28.JAN.2020 01:22:53

Lowest Band Edge / Full RB



Date: 28.JAN.2020 01:17:22

Highest Band Edge / Full RB

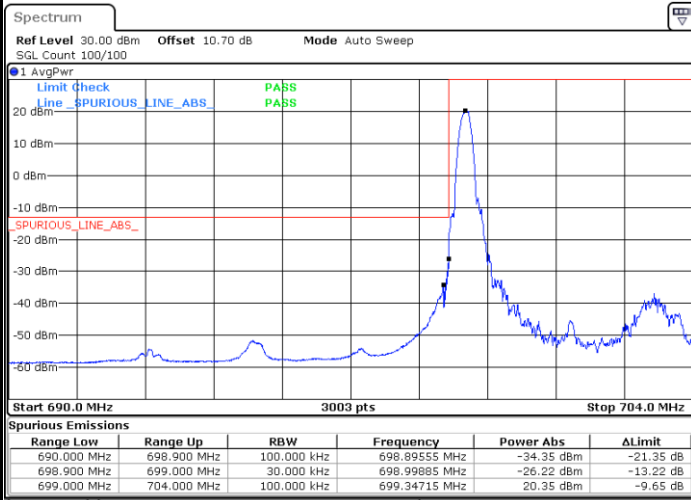


Date: 28.JAN.2020 01:21:57



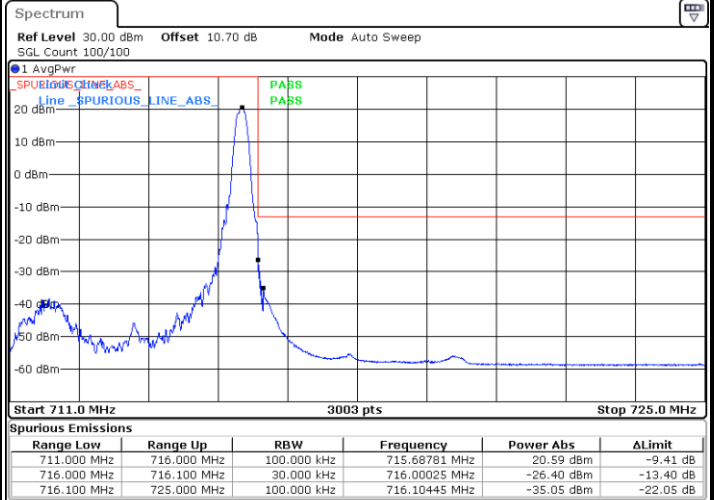
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



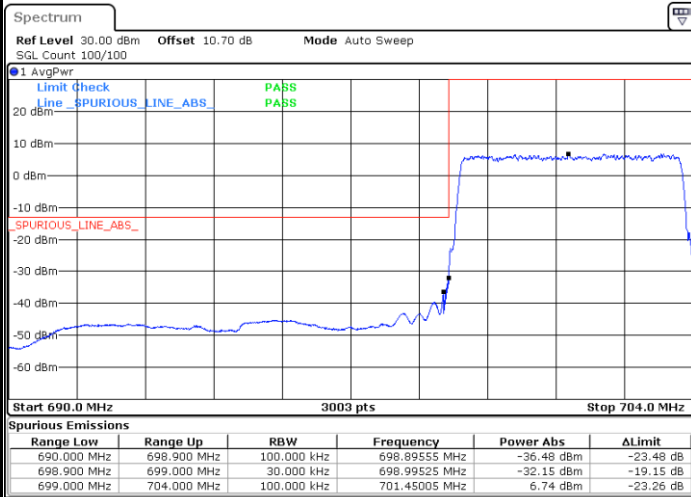
Date: 28.JAN.2020 01:36:18

Highest Band Edge / 1 RB



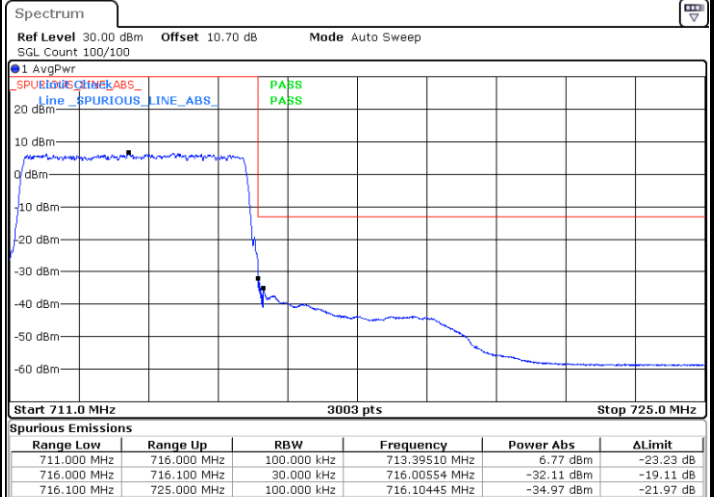
Date: 28.JAN.2020 01:44:33

Lowest Band Edge / Full RB



Date: 28.JAN.2020 01:33:30

Highest Band Edge / Full RB

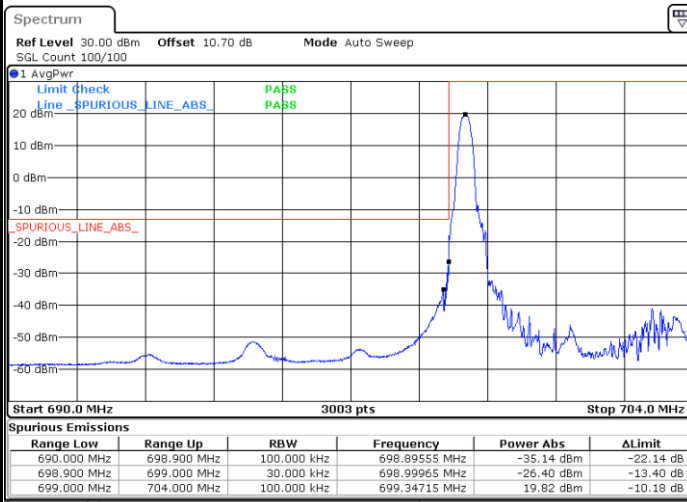


Date: 28.JAN.2020 01:42:41



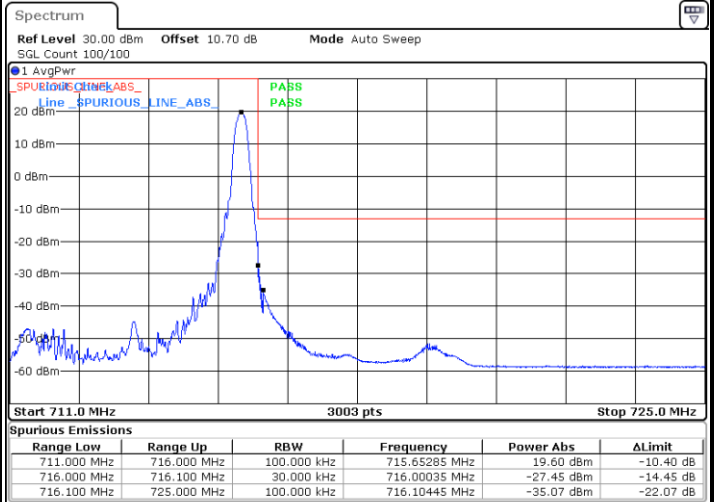
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



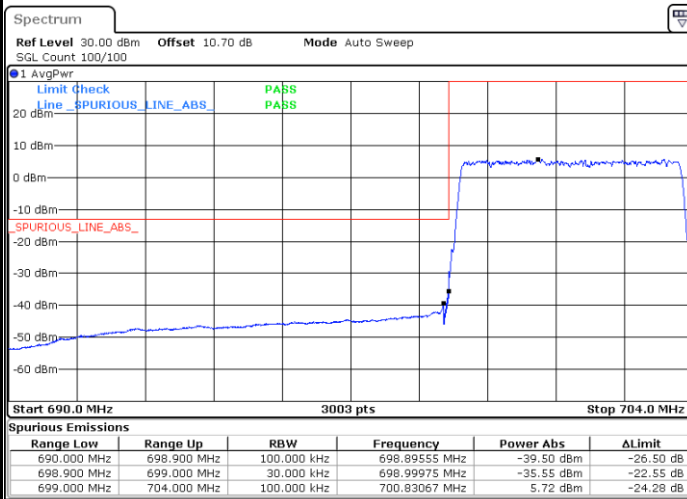
Date: 28.JAN.2020 01:35:22

Highest Band Edge / 1 RB



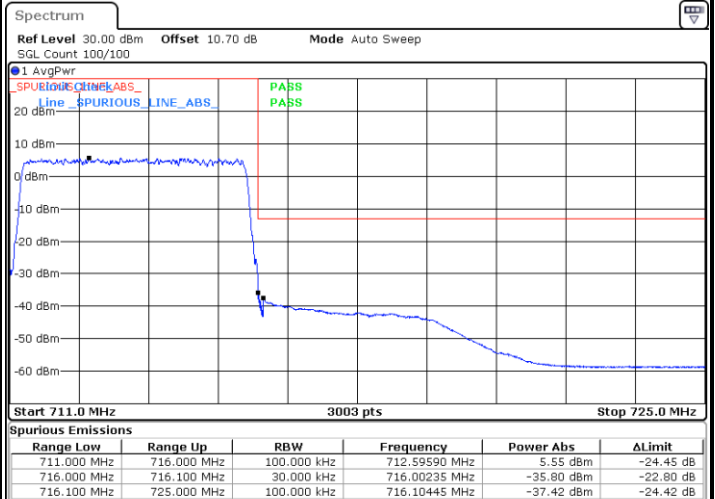
Date: 28.JAN.2020 01:45:29

Lowest Band Edge / Full RB



Date: 28.JAN.2020 01:34:26

Highest Band Edge / Full RB

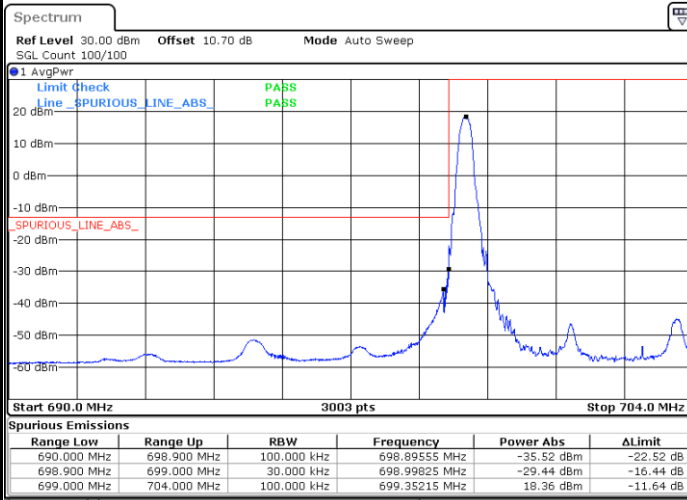


Date: 28.JAN.2020 01:43:37



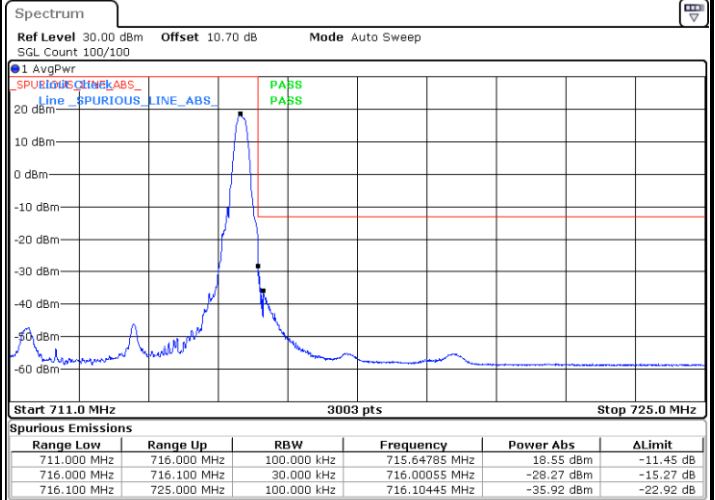
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



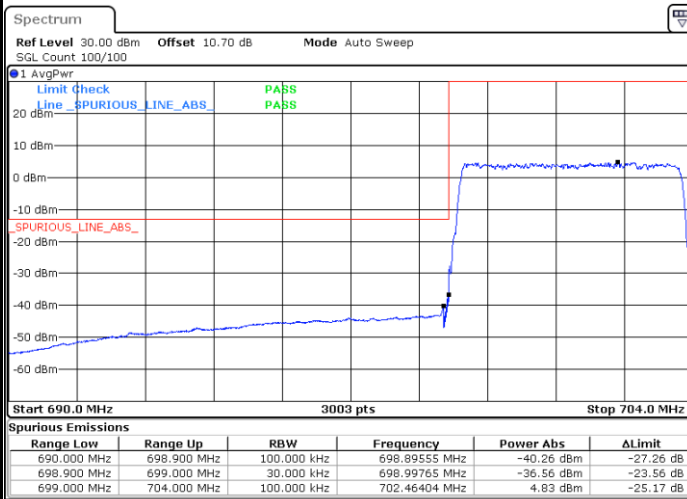
Date: 28.JAN.2020 01:26:08

Highest Band Edge / 1 RB



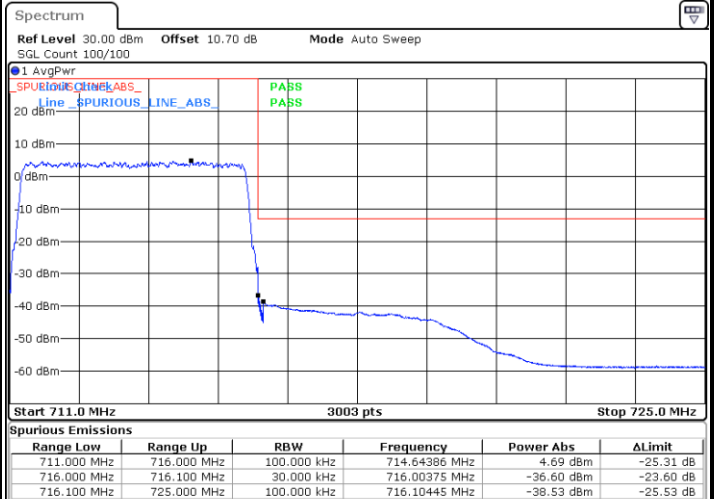
Date: 28.JAN.2020 01:30:44

Lowest Band Edge / Full RB



Date: 28.JAN.2020 01:25:12

Highest Band Edge / Full RB

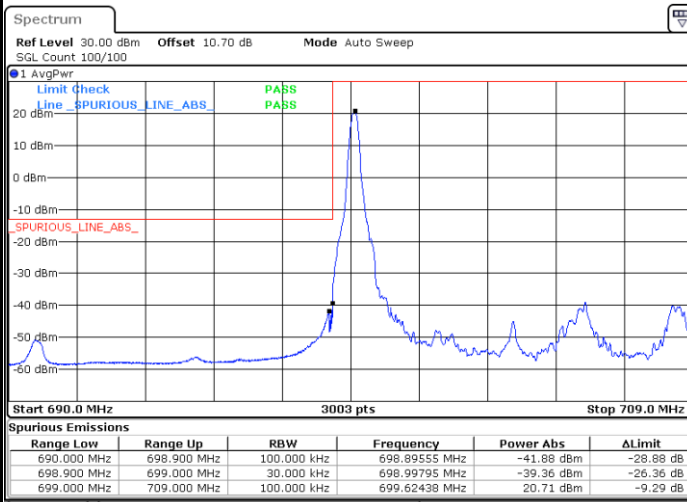


Date: 28.JAN.2020 01:29:47



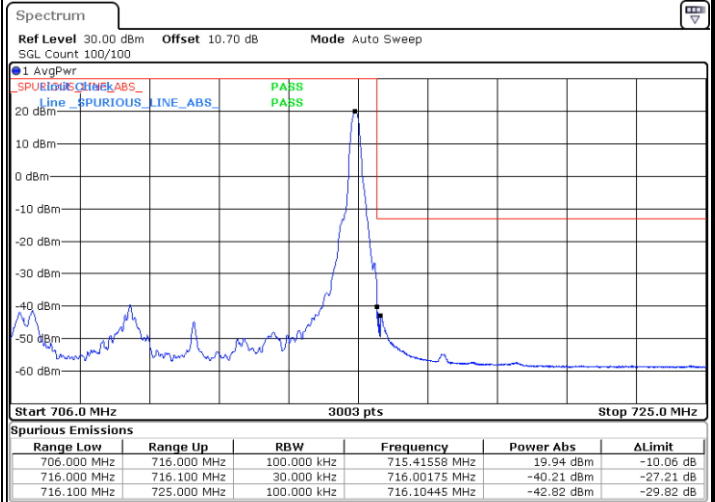
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



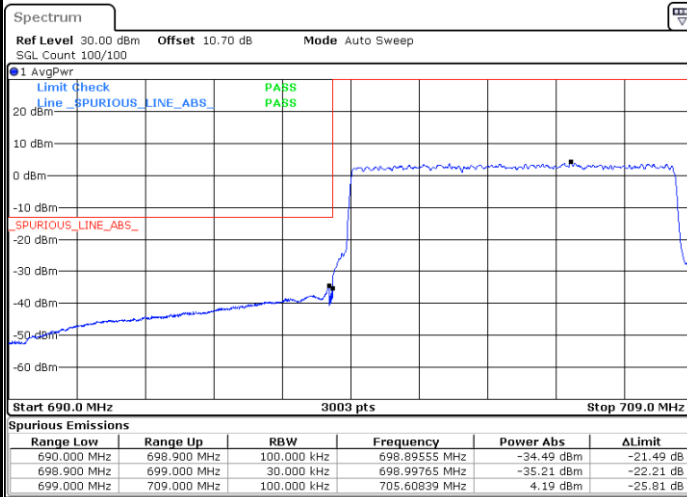
Date: 28.JAN.2020 01:51:59

Highest Band Edge / 1 RB



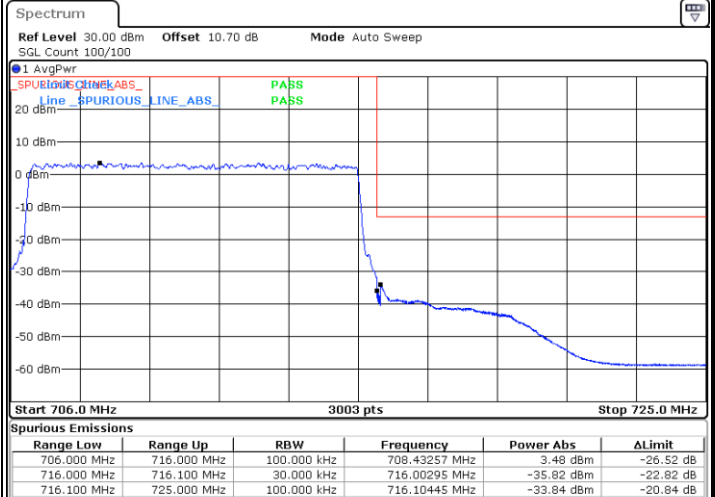
Date: 28.JAN.2020 02:02:10

Lowest Band Edge / Full RB



Date: 28.JAN.2020 01:49:11

Highest Band Edge / Full RB



Date: 28.JAN.2020 01:59:21