

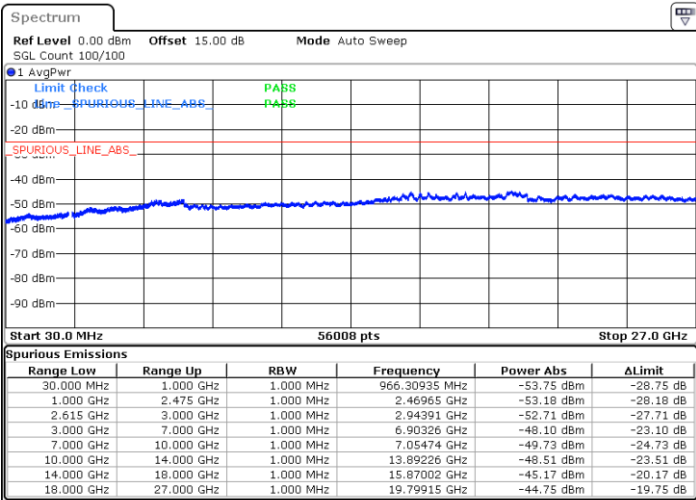


LTE Band 7C / 20MHz+20MHz

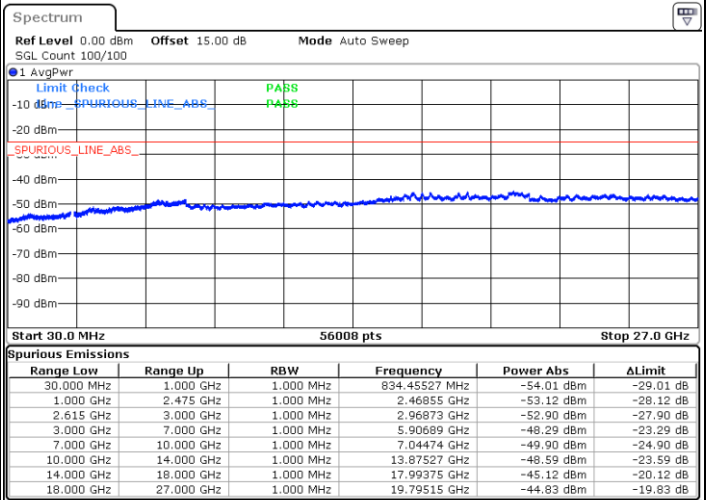
64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



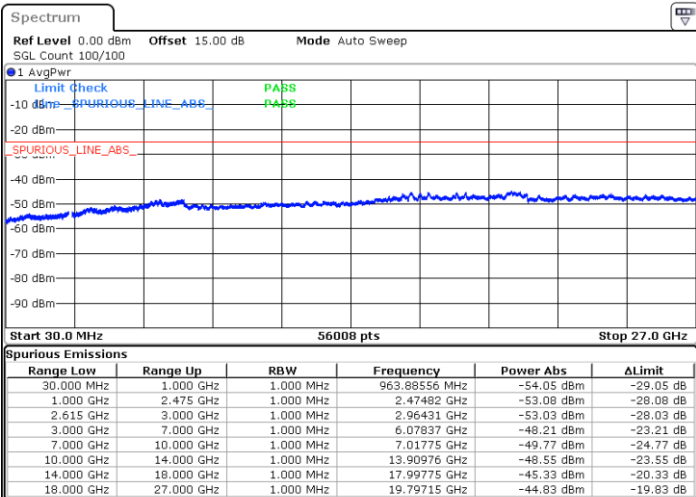
Date: 15.DEC.2022 14:41:31



Date: 15.DEC.2022 14:40:20

Highest Channel / FullIRB

N/A



Date: 15.DEC.2022 14:47:30



# LTE Band 12

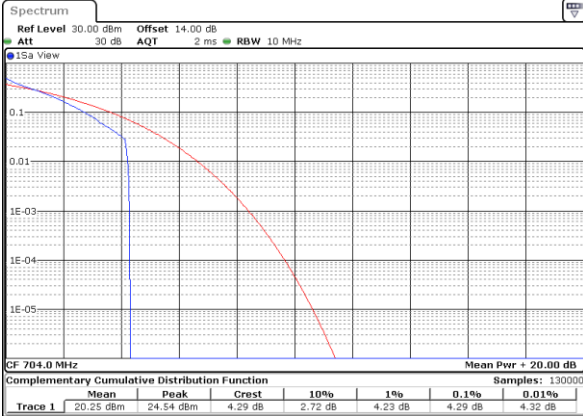
## Peak-to-Average Ratio

| Mode       | LTE Band 12 / 10MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 4.29                | 4.96    | 4.67  | 5.65    | PASS        |
| Middle CH  | 4.23                | 4.90    | 4.43  | 5.68    |             |
| Highest CH | 4.32                | 4.90    | 4.67  | 5.68    |             |
| Mode       | LTE Band 12 / 10MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 5.48                | 6.23    | -     | -       | PASS        |
| Middle CH  | 5.30                | 6.32    | -     | -       |             |
| Highest CH | 5.62                | 6.20    | -     | -       |             |



LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



Date: 13. DEC. 2022 21:35:50

Lowest Channel / Full RB



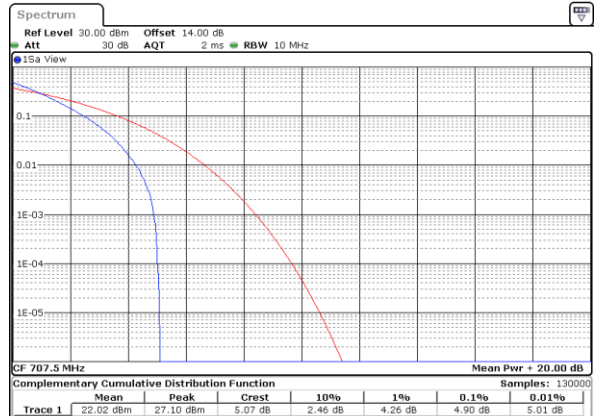
Date: 13. DEC. 2022 21:35:32

Middle Channel / 1RB



Date: 13. DEC. 2022 21:36:24

Middle Channel / Full RB



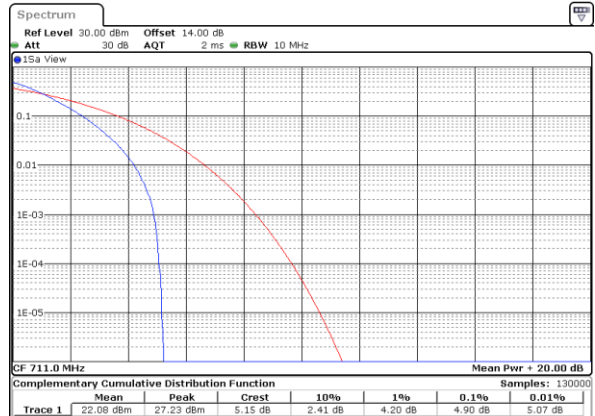
Date: 13. DEC. 2022 21:36:50

Highest Channel / 1RB



Date: 13. DEC. 2022 21:37:43

Highest Channel / Full RB

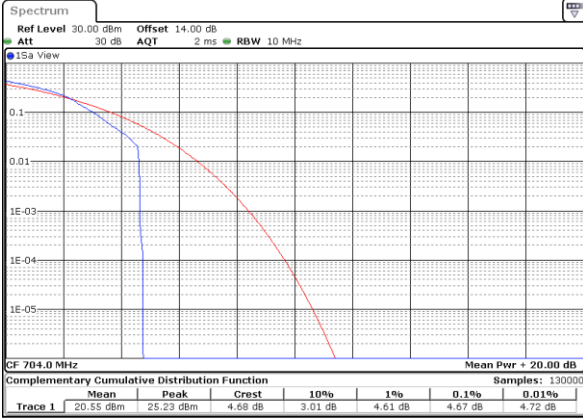


Date: 13. DEC. 2022 21:37:16



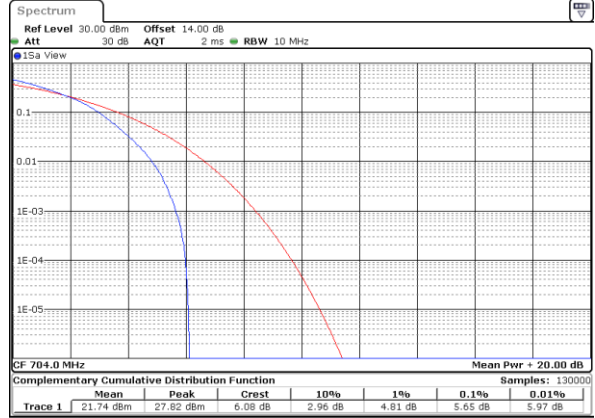
LTE Band 12 / 10MHz / 16QAM

Lowest Channel / 1RB



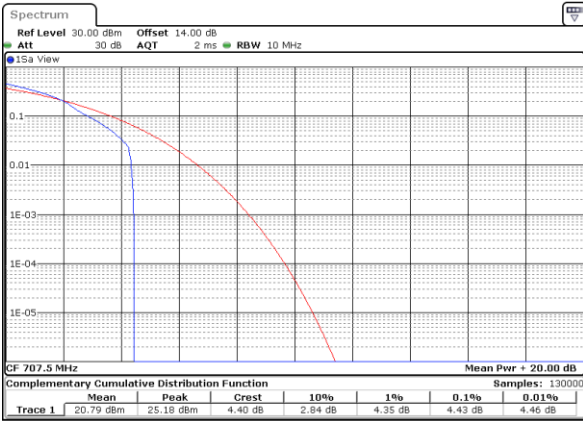
Date: 13. DEC. 2022 21:33:20

Lowest Channel / Full RB



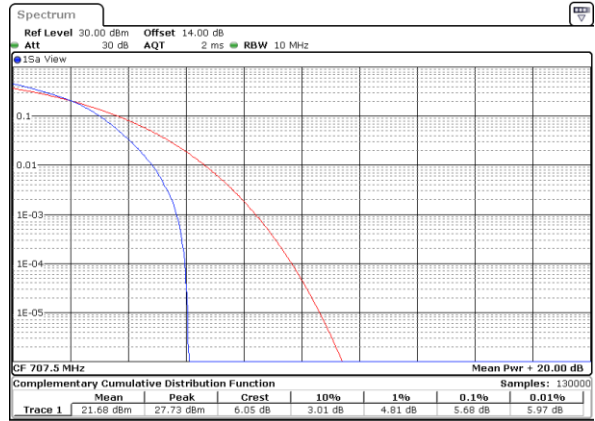
Date: 13. DEC. 2022 21:32:54

Middle Channel / 1RB



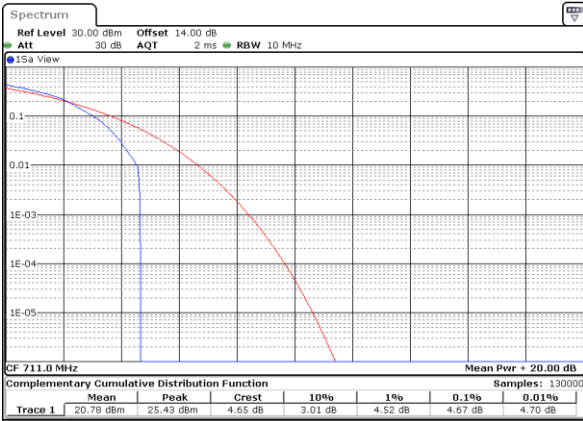
Date: 13. DEC. 2022 21:33:46

Middle Channel / Full RB



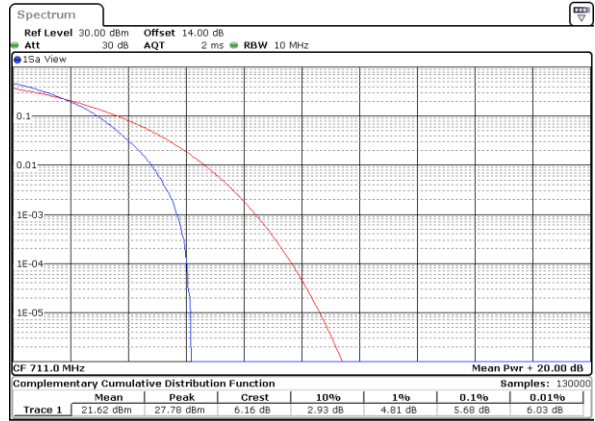
Date: 13. DEC. 2022 21:34:12

Highest Channel / 1RB



Date: 13. DEC. 2022 21:35:05

Highest Channel / Full RB

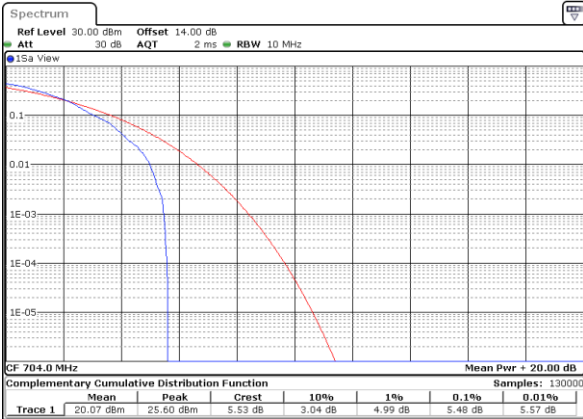


Date: 13. DEC. 2022 21:34:39



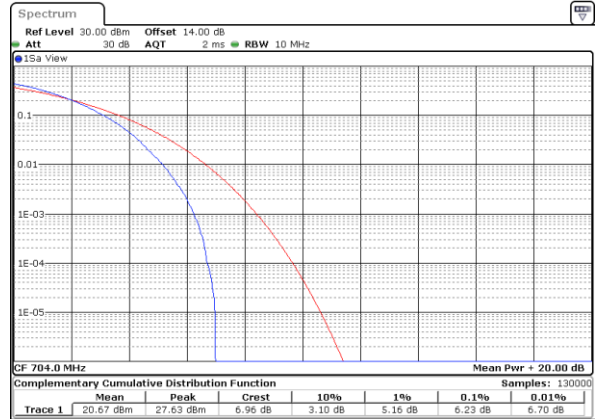
LTE Band 12 / 10MHz / 64QAM

Lowest Channel / 1RB



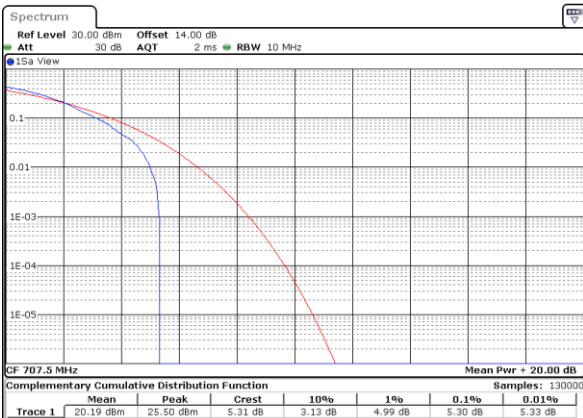
Date: 13.DEC.2022 21:30:42

Lowest Channel / Full RB



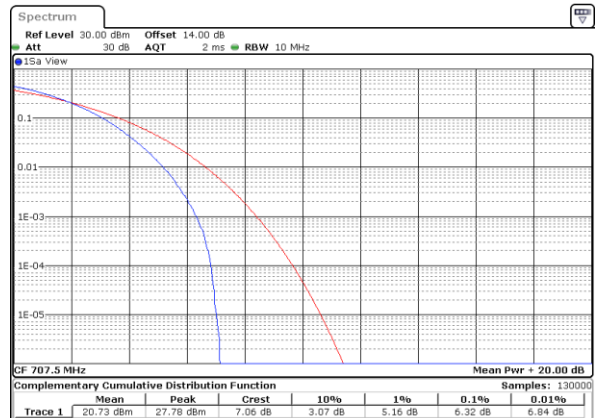
Date: 13.DEC.2022 21:30:16

Middle Channel / 1RB



Date: 13.DEC.2022 21:31:08

Middle Channel / Full RB



Date: 13.DEC.2022 21:31:34

Highest Channel / 1RB



Date: 13.DEC.2022 21:32:27

Highest Channel / Full RB



Date: 13.DEC.2022 21:32:00



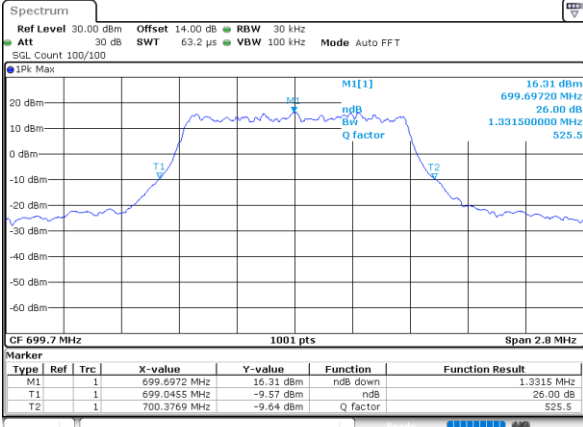
26dB Bandwidth

| 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  | 1.33                       | 1.33  | 3.05  | 3.15  | 4.97  | 5.06  | 9.87  | 9.63  | -     | -     | -     | -     |
| Middle CH  | 1.34                       | 1.34  | 3.06  | 3.02  | 5.04  | 5.00  | 9.69  | 10.01 | -     | -     | -     | -     |
| Highest CH | 1.33                       | 1.33  | 3.10  | 3.05  | 4.95  | 4.95  | 9.79  | 9.73  | -     | -     | -     | -     |
| Mode       | LTE Band 12 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | 1.34                       | -     | 3.08  | -     | 4.95  | -     | 9.97  | -     | -     | -     | -     | -     |
| Middle CH  | 1.30                       | -     | 3.06  | -     | 4.86  | -     | 9.77  | -     | -     | -     | -     | -     |
| Highest CH | 1.31                       | -     | 2.98  | -     | 4.99  | -     | 9.73  | -     | -     | -     | -     | -     |



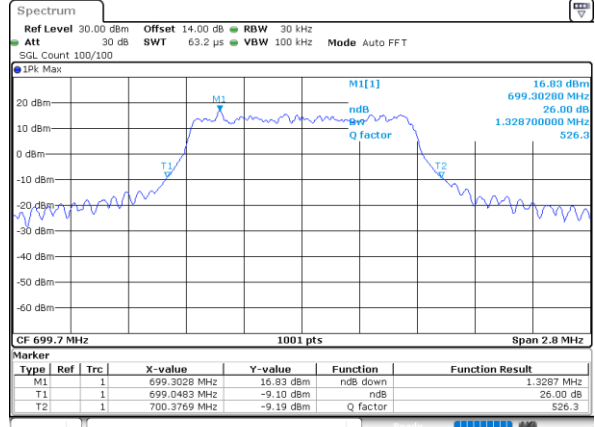
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



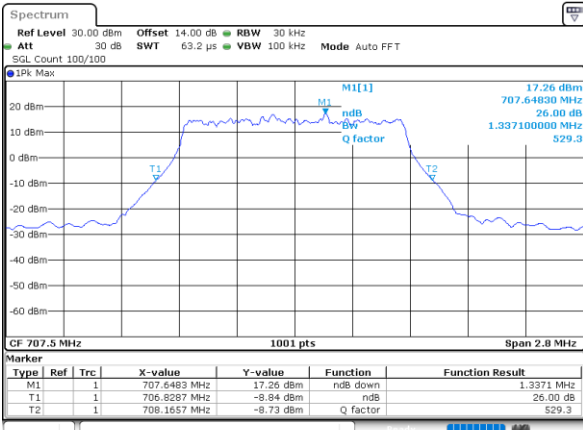
Date: 13, DEC, 2022 21:08:15

Lowest Channel / 1.4MHz / 16QAM



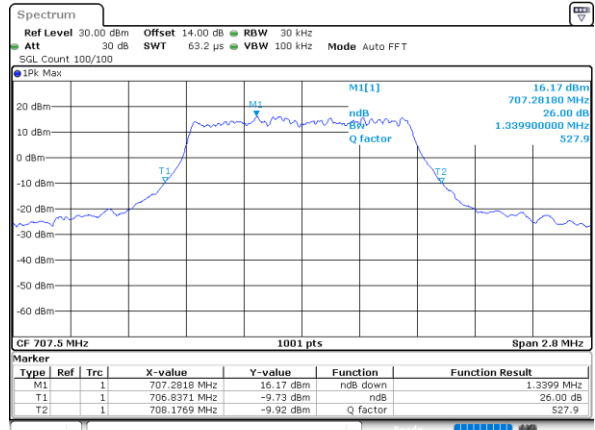
Date: 13, DEC, 2022 21:07:49

Middle Channel / 1.4MHz / QPSK



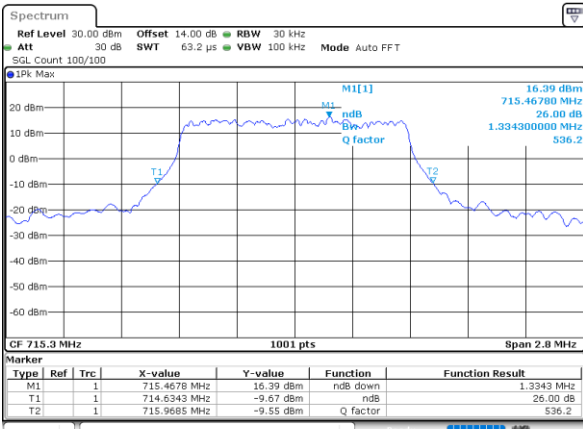
Date: 13, DEC, 2022 21:17:38

Middle Channel / 1.4MHz / 16QAM



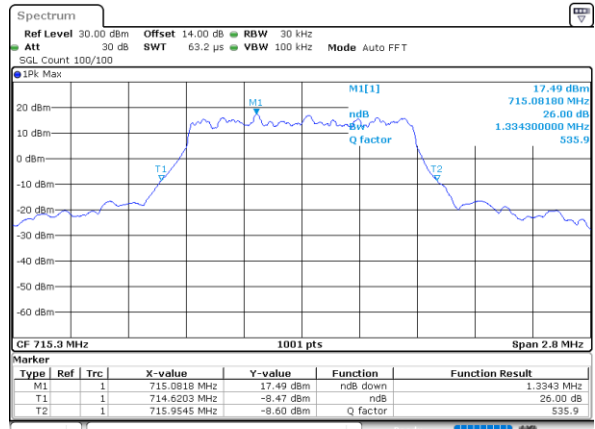
Date: 13, DEC, 2022 21:18:03

Highest Channel / 1.4MHz / QPSK



Date: 13, DEC, 2022 21:21:19

Highest Channel / 1.4MHz / 16QAM

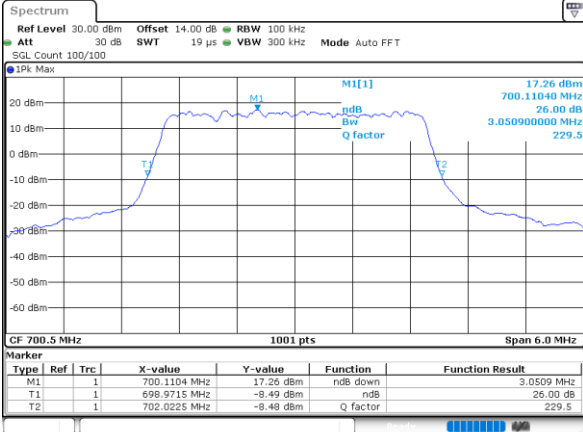


Date: 13, DEC, 2022 21:20:54



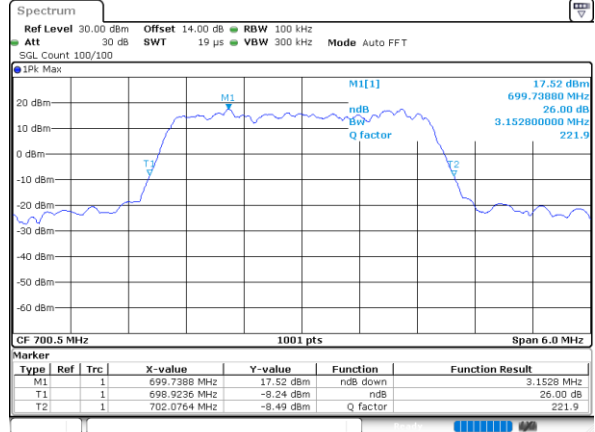
LTE Band 12

Lowest Channel / 3MHz / QPSK



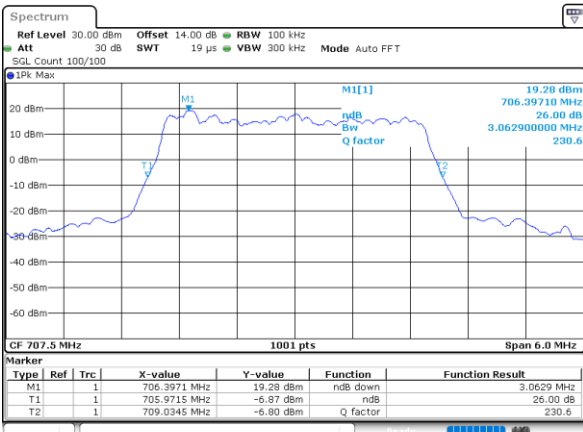
Date: 13, DEC, 2022 18:04:27

Lowest Channel / 3MHz / 16QAM



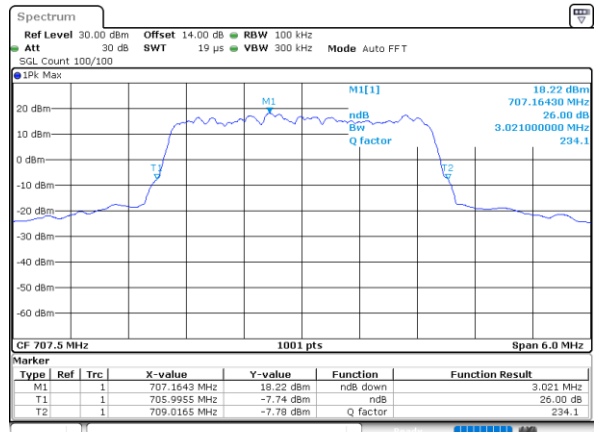
Date: 13, DEC, 2022 18:04:02

Middle Channel / 3MHz / QPSK



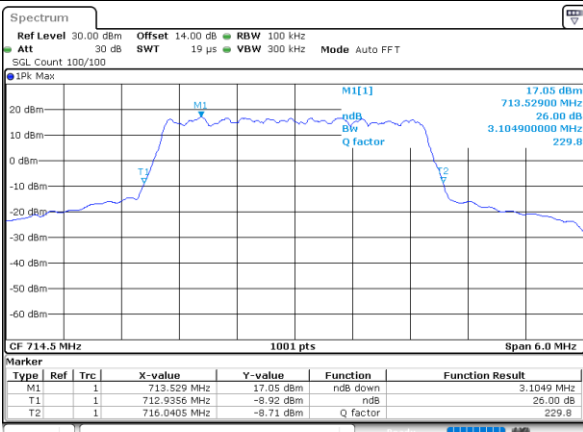
Date: 13, DEC, 2022 18:13:49

Middle Channel / 3MHz / 16QAM



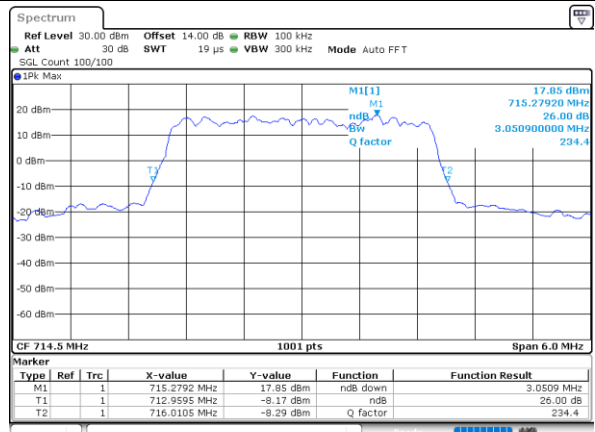
Date: 13, DEC, 2022 18:14:14

Highest Channel / 3MHz / QPSK



Date: 13, DEC, 2022 18:17:27

Highest Channel / 3MHz / 16QAM



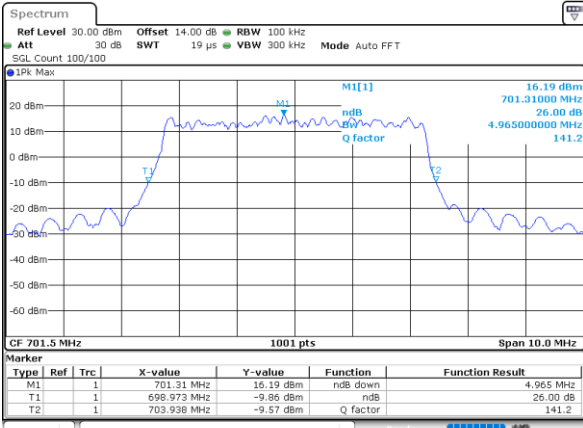
Date: 13, DEC, 2022 18:17:03





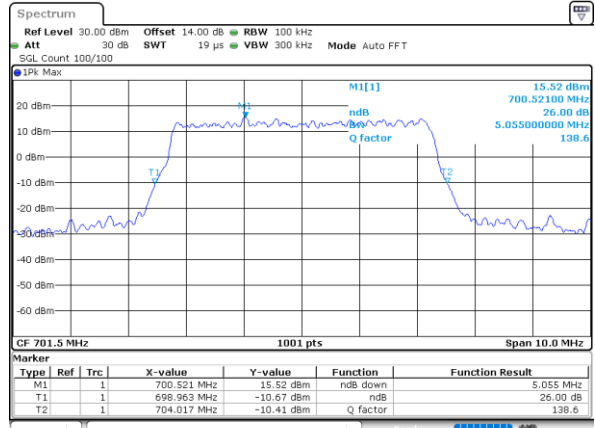
LTE Band 12

Lowest Channel / 5MHz / QPSK



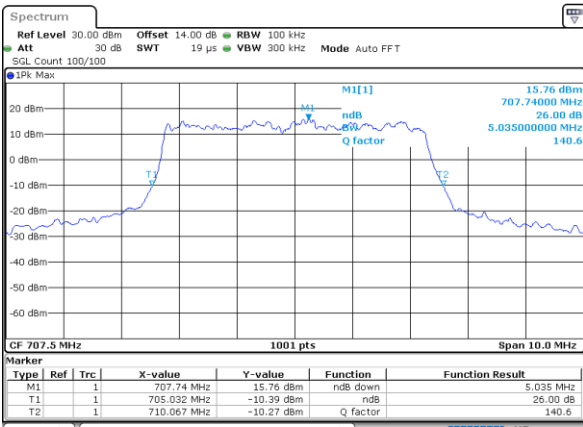
Date: 13, DEC, 2022 18:27:24

Lowest Channel / 5MHz / 16QAM



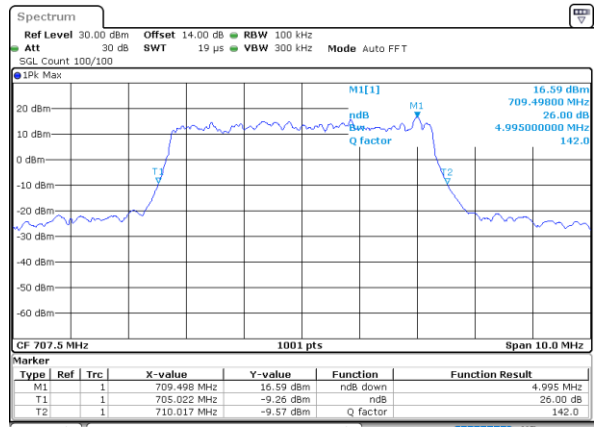
Date: 13, DEC, 2022 18:26:59

Middle Channel / 5MHz / QPSK



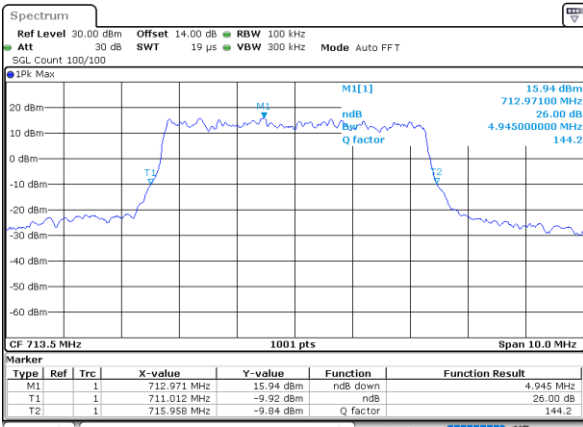
Date: 13, DEC, 2022 18:36:45

Middle Channel / 5MHz / 16QAM



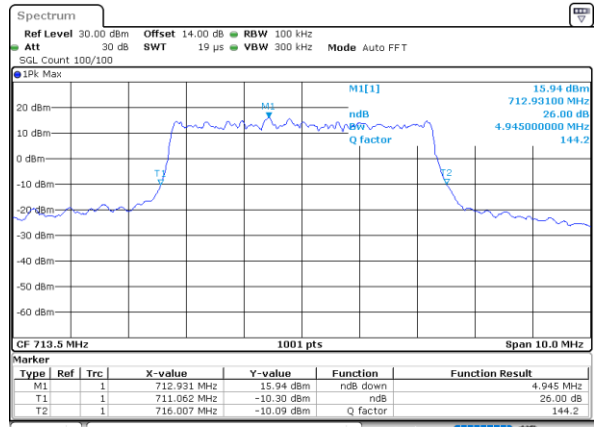
Date: 13, DEC, 2022 18:37:10

Highest Channel / 5MHz / QPSK



Date: 13, DEC, 2022 18:40:23

Highest Channel / 5MHz / 16QAM

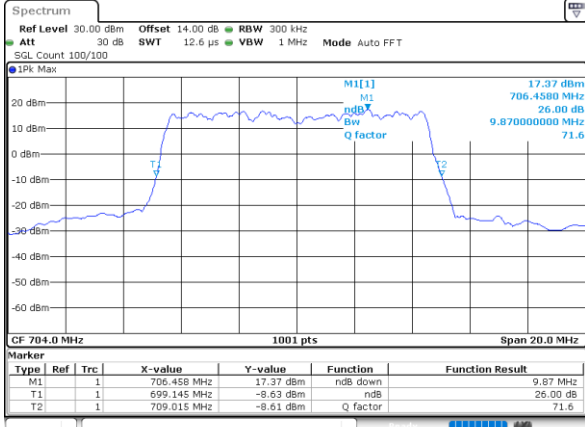


Date: 13, DEC, 2022 18:39:58



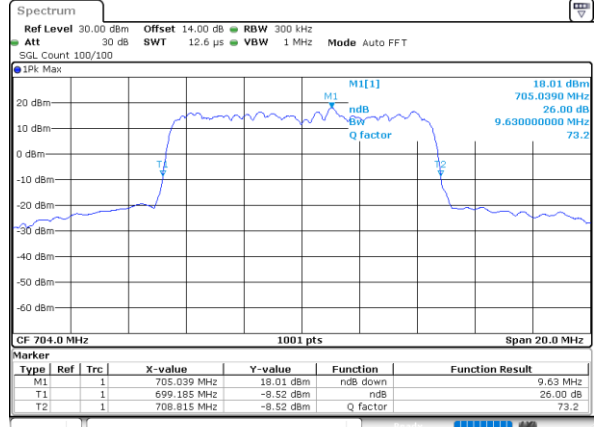
LTE Band 12

Lowest Channel / 10MHz / QPSK



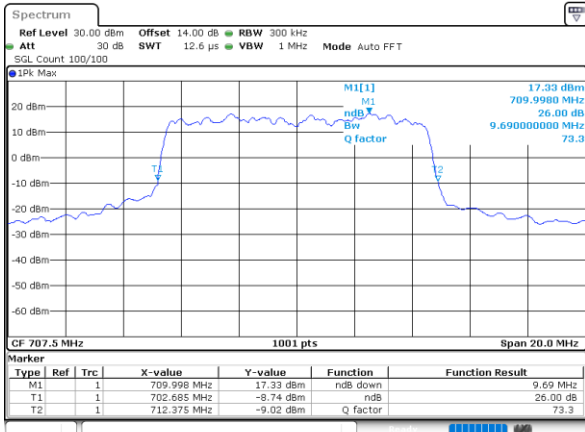
Date: 13. DEC. 2022 18:50:21

Lowest Channel / 10MHz / 16QAM



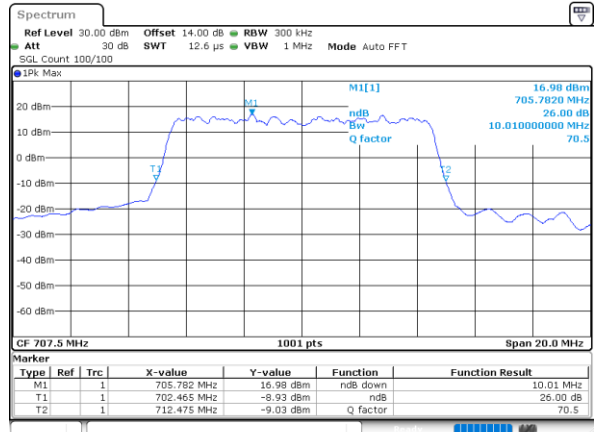
Date: 13. DEC. 2022 18:49:56

Middle Channel / 10MHz / QPSK



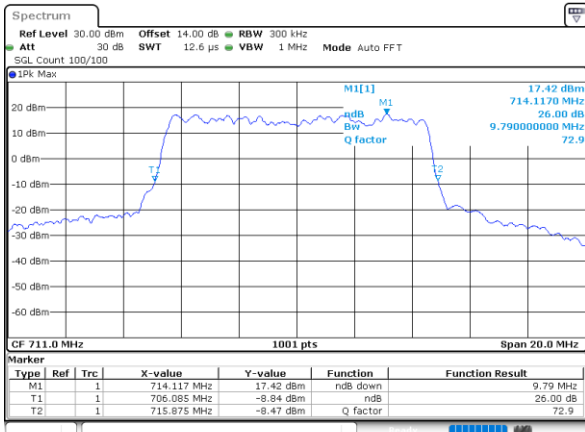
Date: 13. DEC. 2022 18:59:42

Middle Channel / 10MHz / 16QAM



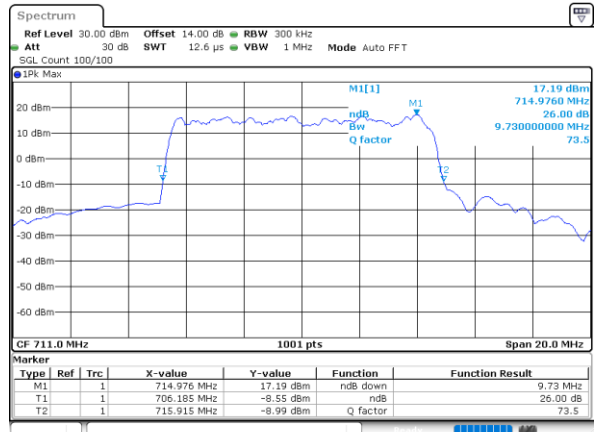
Date: 13. DEC. 2022 19:00:07

Highest Channel / 10MHz / QPSK



Date: 13. DEC. 2022 19:03:21

Highest Channel / 10MHz / 16QAM

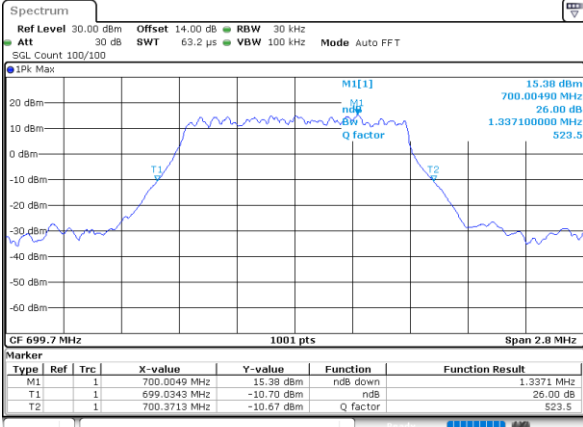


Date: 13. DEC. 2022 19:02:56



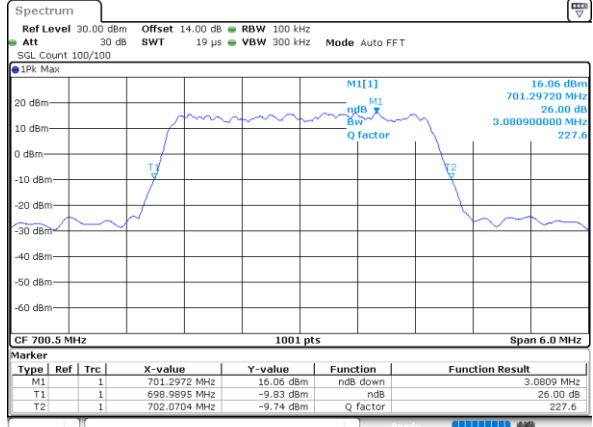
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



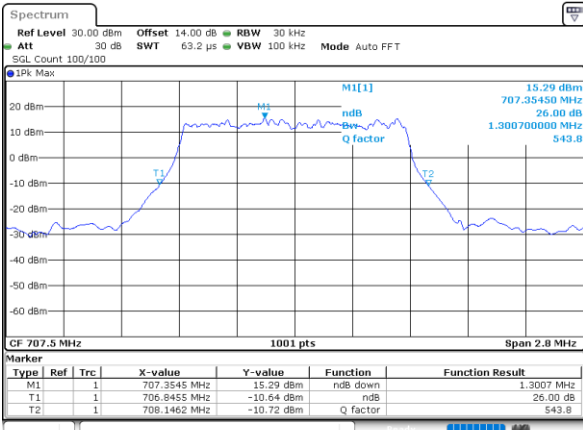
Date: 13, DEC, 2022 20:56:20

Lowest Channel / 3MHz / 64QAM



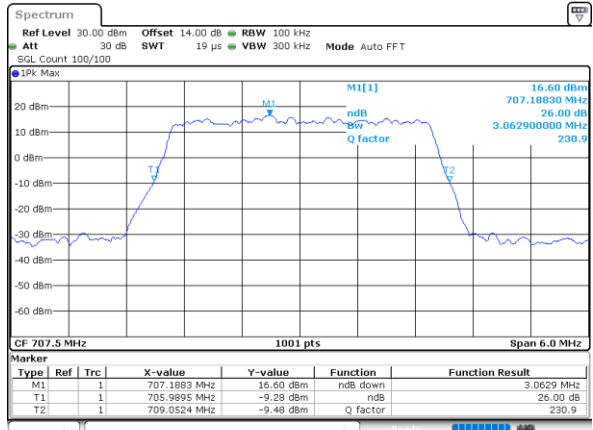
Date: 13, DEC, 2022 20:22:38

Middle Channel / 1.4MHz / 64QAM



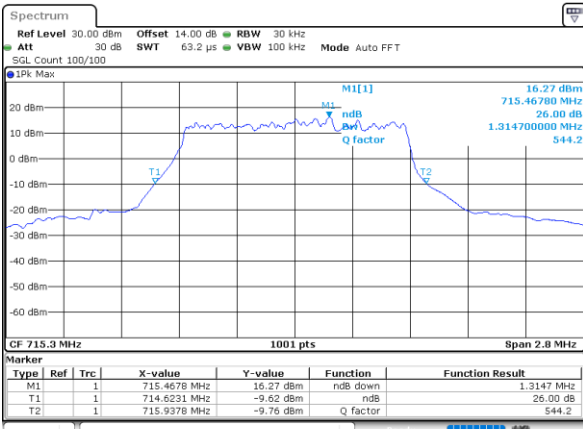
Date: 13, DEC, 2022 21:01:00

Middle Channel / 3MHz / 64QAM



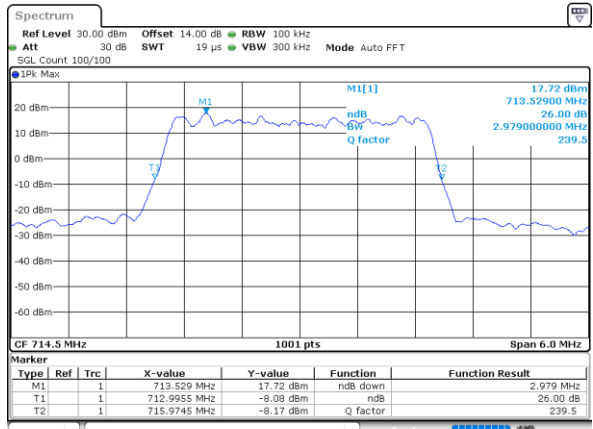
Date: 13, DEC, 2022 20:27:17

Highest Channel / 1.4MHz / 64QAM



Date: 13, DEC, 2022 21:02:34

Highest Channel / 3MHz / 64QAM

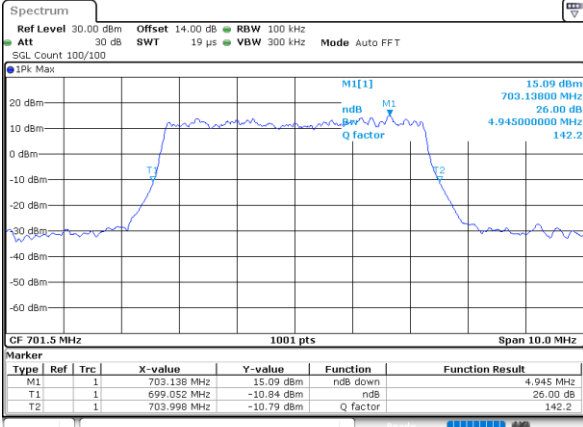


Date: 13, DEC, 2022 20:28:49



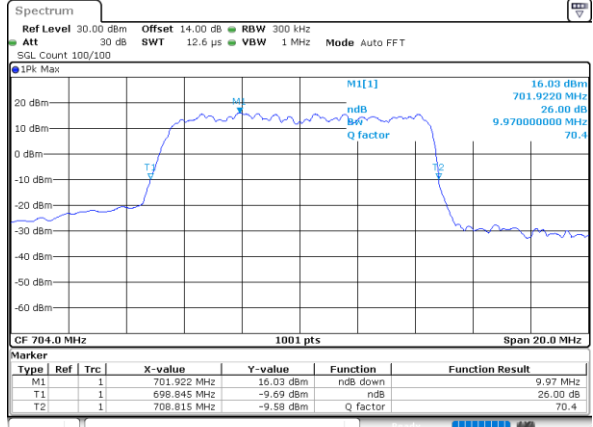
LTE Band 12

Lowest Channel / 5MHz / 64QAM



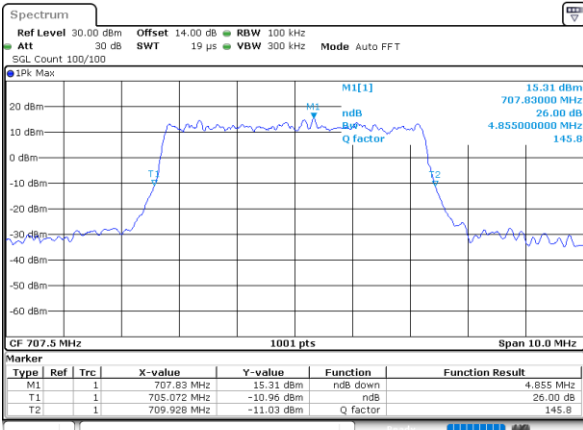
Date: 13, DEC, 2022 20:33:19

Lowest Channel / 10MHz / 64QAM



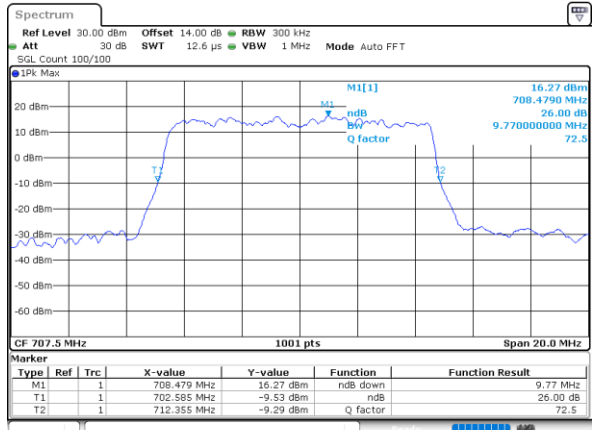
Date: 13, DEC, 2022 20:44:139

Middle Channel / 5MHz / 64QAM



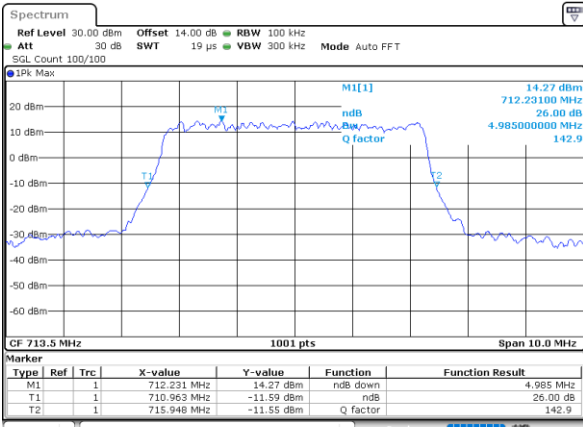
Date: 13, DEC, 2022 20:38:17

Middle Channel / 10MHz / 64QAM



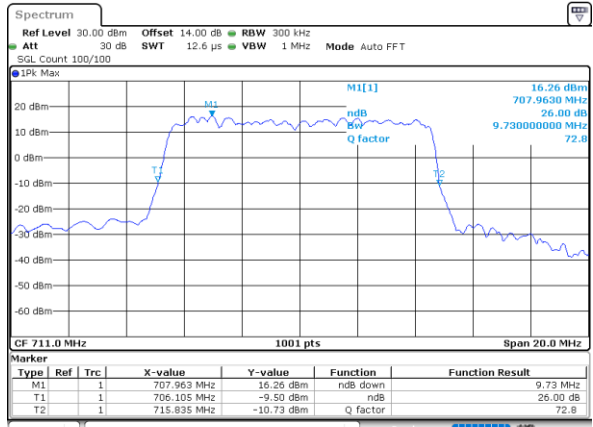
Date: 13, DEC, 2022 20:49:118

Highest Channel / 5MHz / 64QAM



Date: 13, DEC, 2022 20:39:49

Highest Channel / 10MHz / 64QAM



Date: 13, DEC, 2022 20:50:51



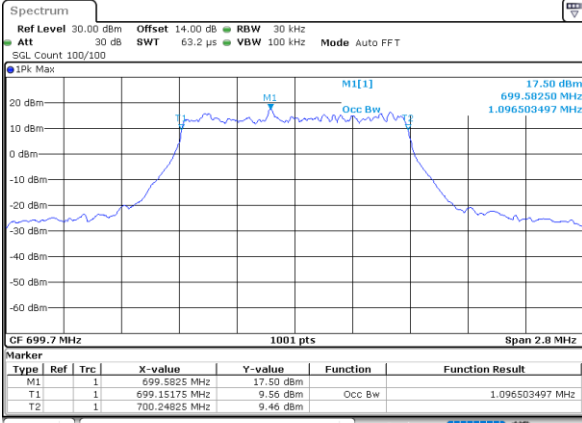
**Occupied Bandwidth**

| 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  | 1.10                      | 1.12  | 2.73  | 2.73  | 4.51  | 4.53  | 8.99  | 9.07  | -     | -     | -     | -     |
| Middle CH  | 1.10                      | 1.09  | 2.73  | 2.72  | 4.51  | 4.50  | 9.05  | 8.99  | -     | -     | -     | -     |
| Highest CH | 1.10                      | 1.10  | 2.74  | 2.73  | 4.50  | 4.51  | 8.99  | 9.03  | -     | -     | -     | -     |
| Mode       | LTE Band 12 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | 1.10                      | -     | 2.73  | -     | 4.50  | -     | 9.01  | -     | -     | -     | -     | -     |
| Middle CH  | 1.09                      | -     | 2.73  | -     | 4.50  | -     | 9.01  | -     | -     | -     | -     | -     |
| Highest CH | 1.09                      | -     | 2.72  | -     | 4.48  | -     | 9.07  | -     | -     | -     | -     | -     |



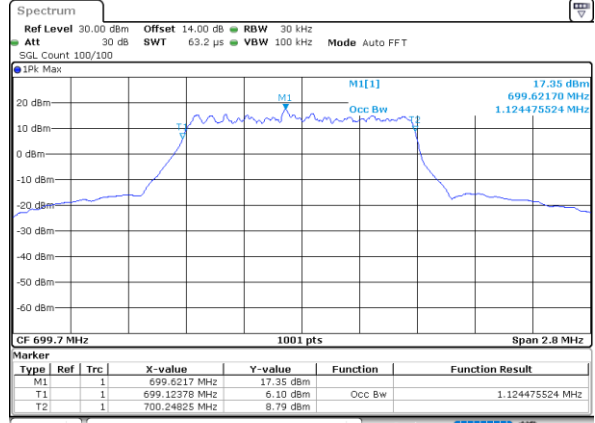
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



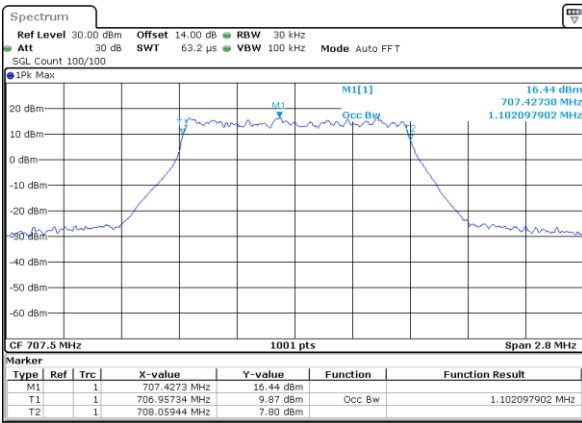
Date: 13. DEC. 2022 21:07:09

Lowest Channel / 1.4MHz / 16QAM



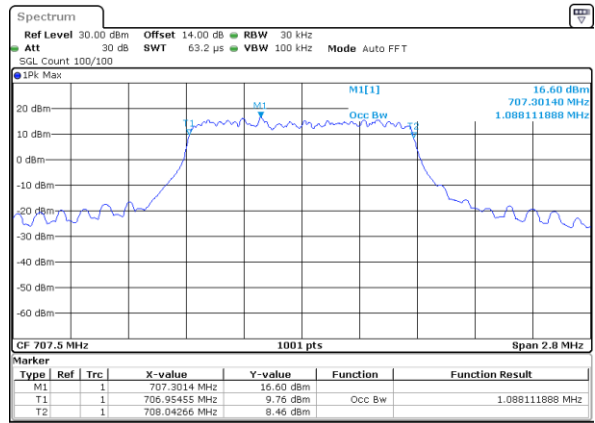
Date: 13. DEC. 2022 21:07:34

Middle Channel / 1.4MHz / QPSK



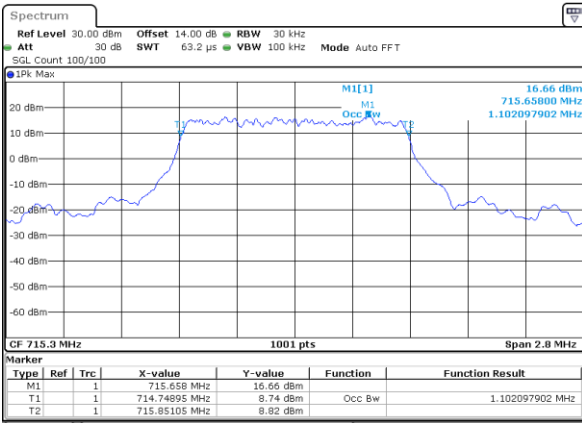
Date: 13. DEC. 2022 21:17:23

Middle Channel / 1.4MHz / 16QAM



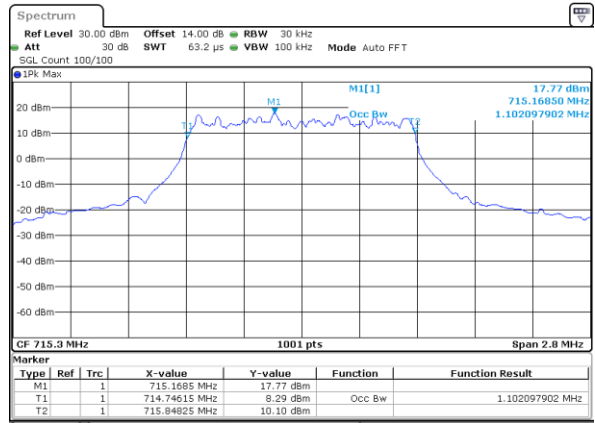
Date: 13. DEC. 2022 21:16:59

Highest Channel / 1.4MHz / QPSK



Date: 13. DEC. 2022 21:20:13

Highest Channel / 1.4MHz / 16QAM

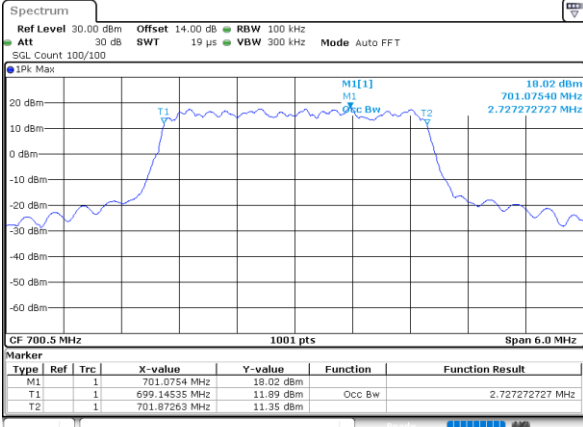


Date: 13. DEC. 2022 21:20:38



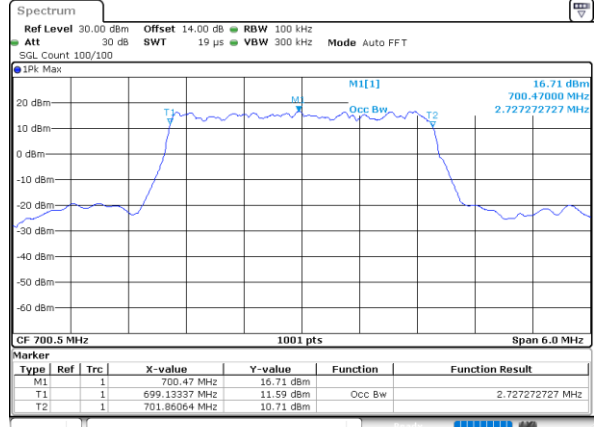
LTE Band 12

Lowest Channel / 3MHz / QPSK



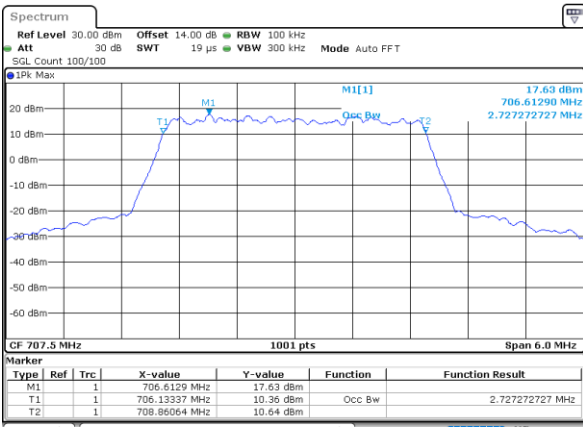
Date: 13, DEC, 2022 18:03:22

Lowest Channel / 3MHz / 16QAM



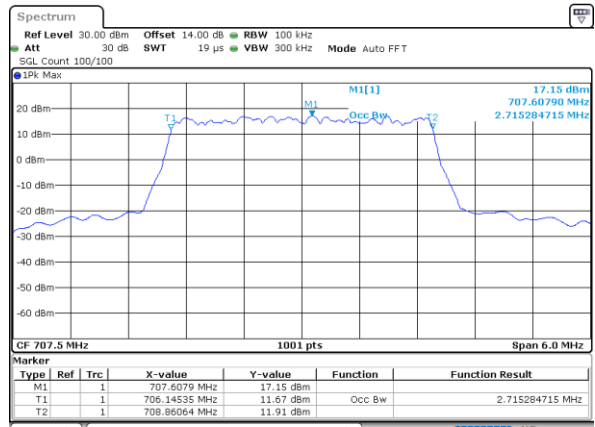
Date: 13, DEC, 2022 18:03:47

Middle Channel / 3MHz / QPSK



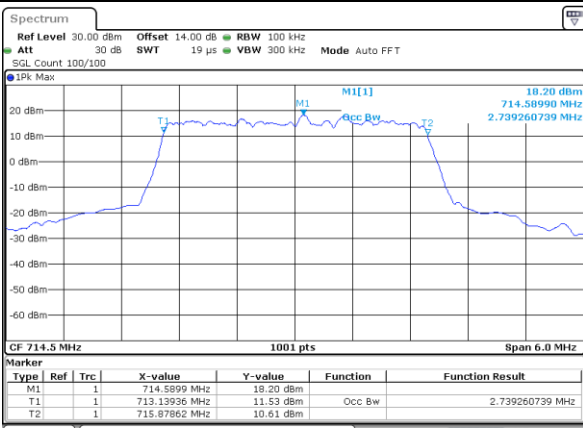
Date: 13, DEC, 2022 18:13:04

Middle Channel / 3MHz / 16QAM



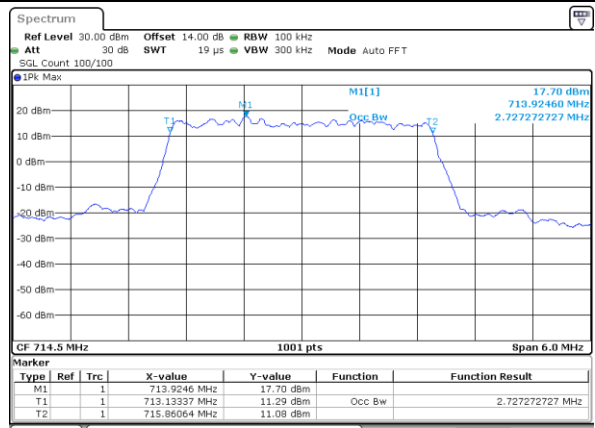
Date: 13, DEC, 2022 18:13:10

Highest Channel / 3MHz / QPSK



Date: 13, DEC, 2022 18:16:23

Highest Channel / 3MHz / 16QAM

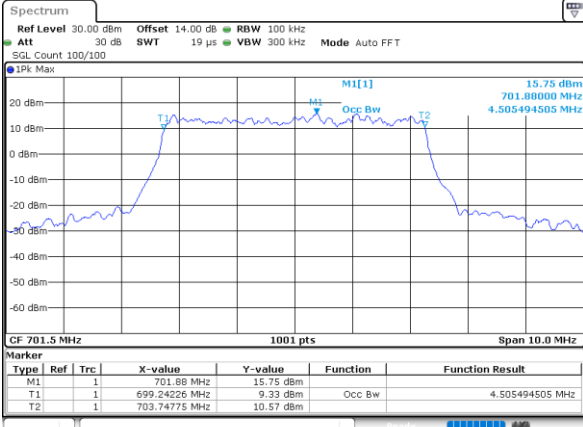


Date: 13, DEC, 2022 18:16:48



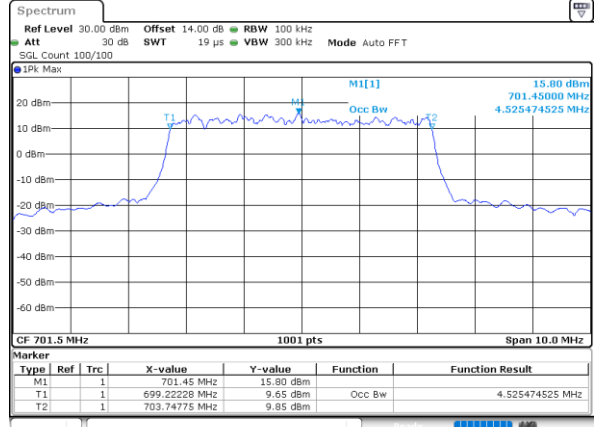
LTE Band 12

Lowest Channel / 5MHz / QPSK



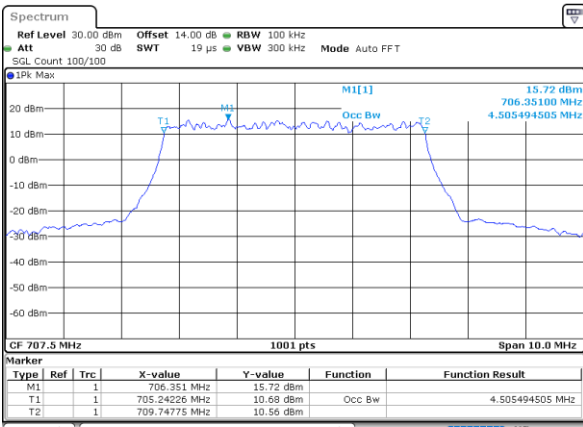
Date: 13. DEC. 2022 18:26:19

Lowest Channel / 5MHz / 16QAM



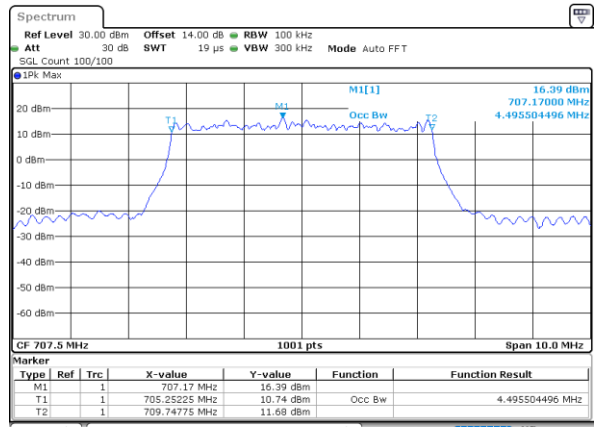
Date: 13. DEC. 2022 18:26:44

Middle Channel / 5MHz / QPSK



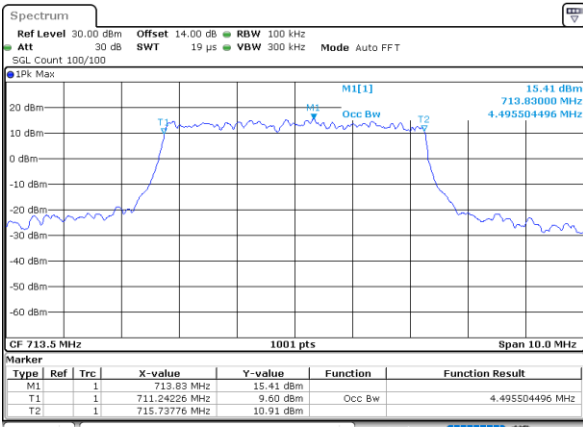
Date: 13. DEC. 2022 18:36:30

Middle Channel / 5MHz / 16QAM



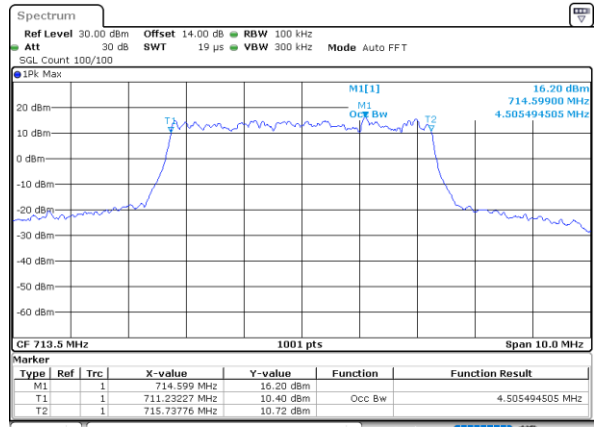
Date: 13. DEC. 2022 18:36:06

Highest Channel / 5MHz / QPSK



Date: 13. DEC. 2022 18:39:19

Highest Channel / 5MHz / 16QAM



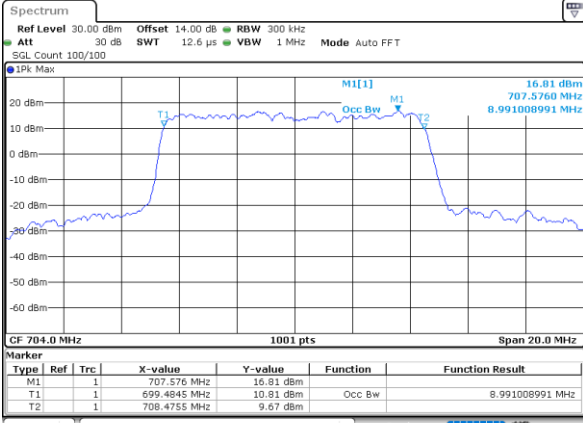
Date: 13. DEC. 2022 18:39:43





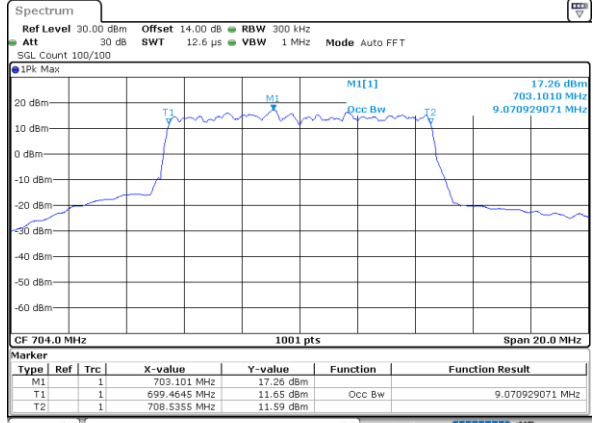
LTE Band 12

Lowest Channel / 10MHz / QPSK



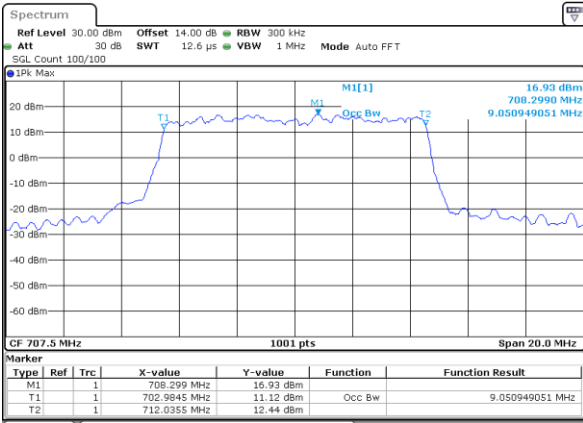
Date: 13. DEC. 2022 18:49:16

Lowest Channel / 10MHz / 16QAM



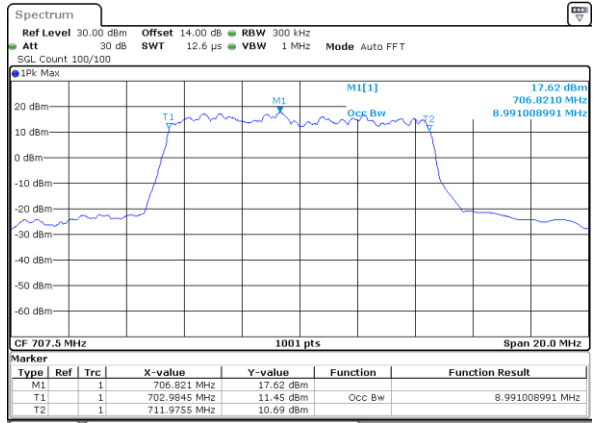
Date: 13. DEC. 2022 18:49:41

Middle Channel / 10MHz / QPSK



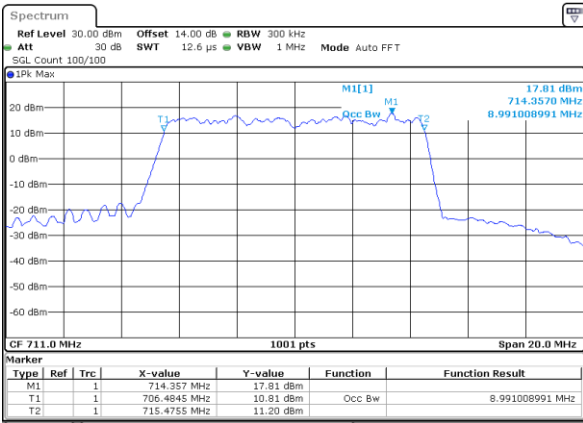
Date: 13. DEC. 2022 18:59:27

Middle Channel / 10MHz / 16QAM



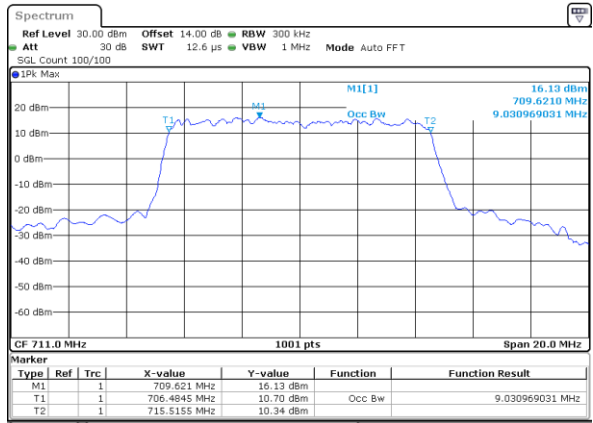
Date: 13. DEC. 2022 18:59:03

Highest Channel / 10MHz / QPSK



Date: 13. DEC. 2022 19:02:16

Highest Channel / 10MHz / 16QAM

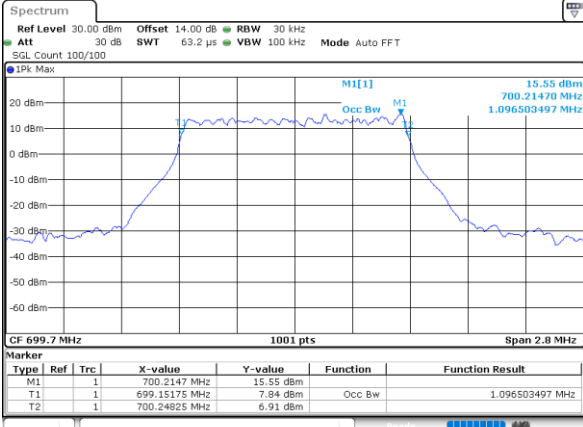


Date: 13. DEC. 2022 19:02:41



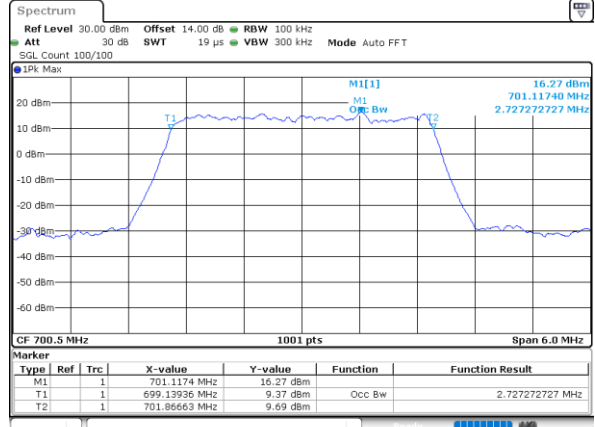
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



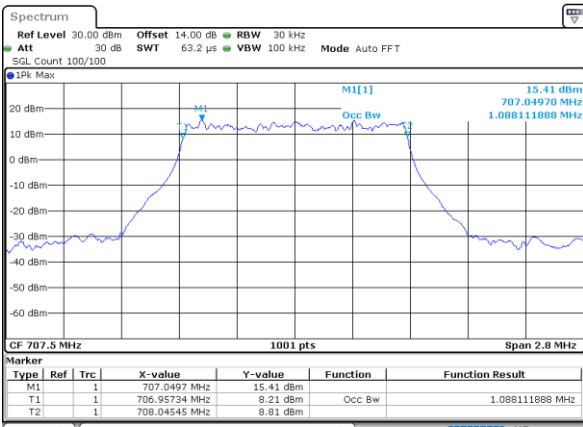
Date: 13. DEC. 2022 20:56:05

Lowest Channel / 3MHz / 64QAM



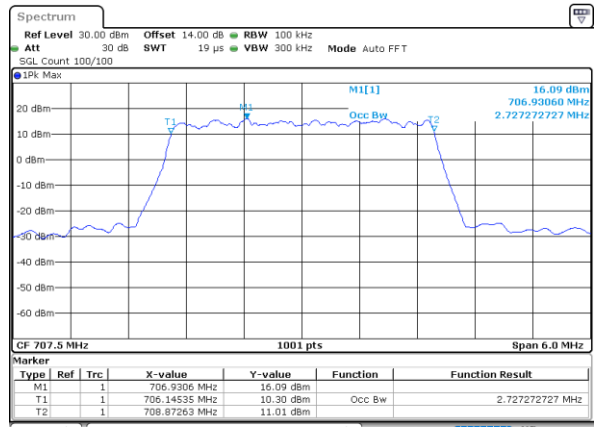
Date: 13. DEC. 2022 20:22:23

Middle Channel / 1.4MHz / 64QAM



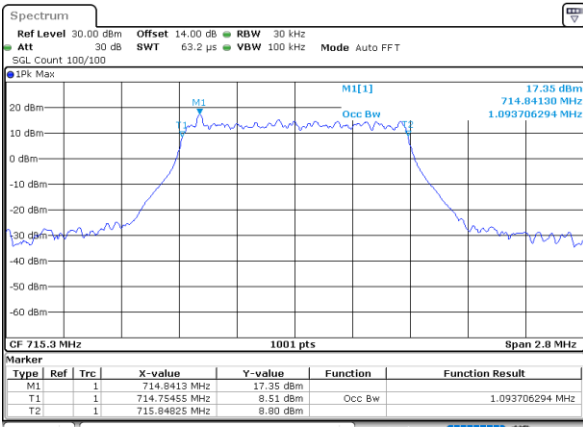
Date: 13. DEC. 2022 21:00:45

Middle Channel / 3MHz / 64QAM



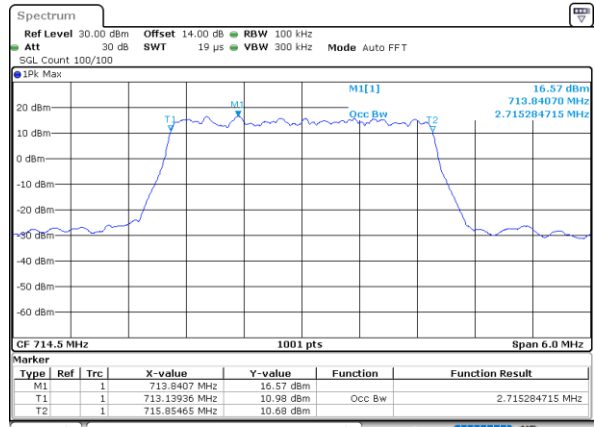
Date: 13. DEC. 2022 20:27:02

Highest Channel / 1.4MHz / 64QAM



Date: 13. DEC. 2022 21:02:18

Highest Channel / 3MHz / 64QAM

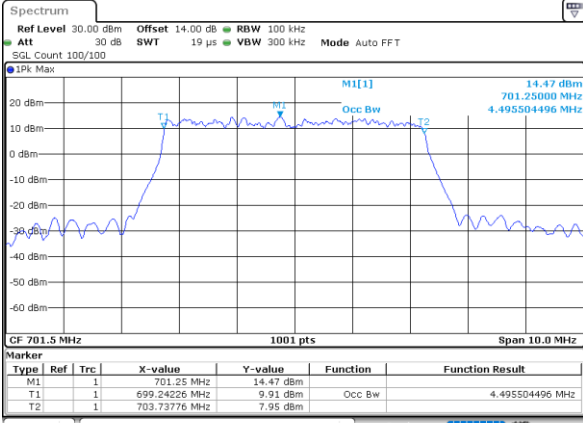


Date: 13. DEC. 2022 20:28:34



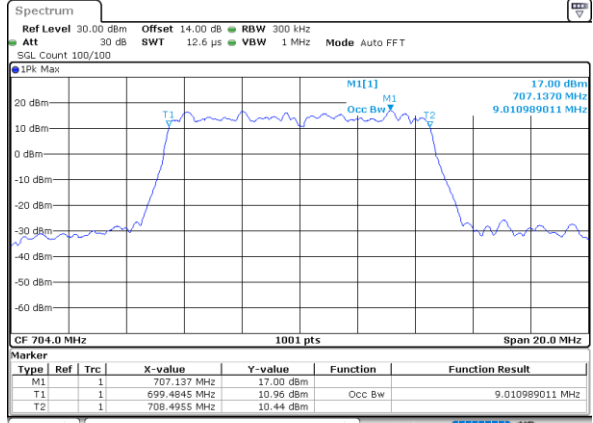
LTE Band 12

Lowest Channel / 5MHz / 64QAM



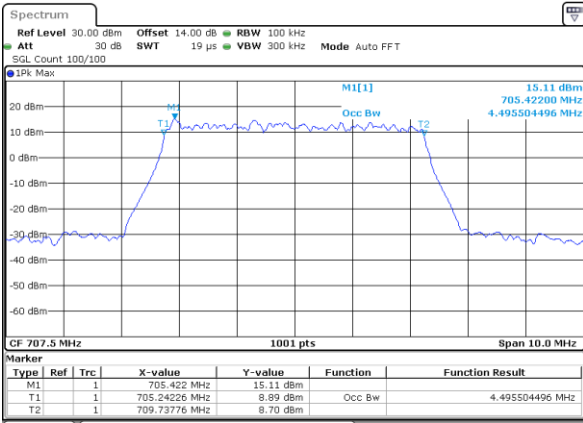
Date: 13, DEC, 2022 20:33:24

Lowest Channel / 10MHz / 64QAM



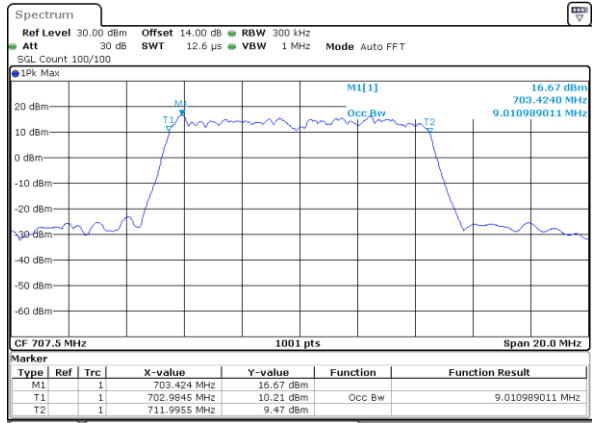
Date: 13, DEC, 2022 20:44:24

Middle Channel / 5MHz / 64QAM



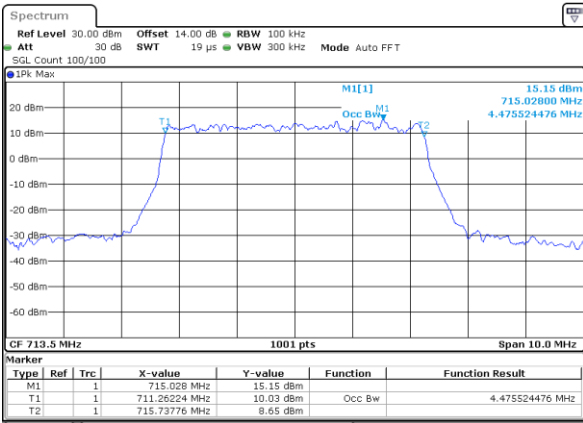
Date: 13, DEC, 2022 20:38:02

Middle Channel / 10MHz / 64QAM



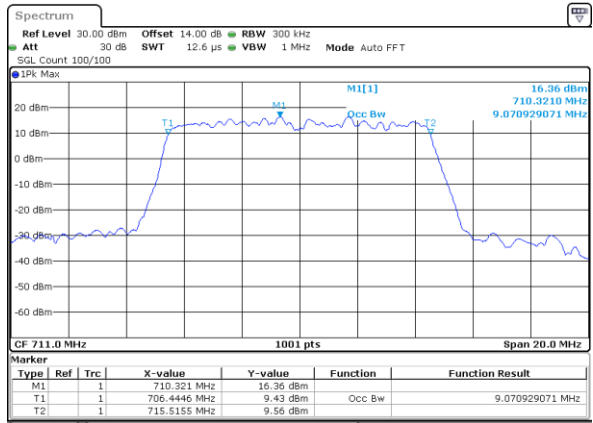
Date: 13, DEC, 2022 20:49:03

Highest Channel / 5MHz / 64QAM



Date: 13, DEC, 2022 20:39:34

Highest Channel / 10MHz / 64QAM



Date: 13, DEC, 2022 20:50:35

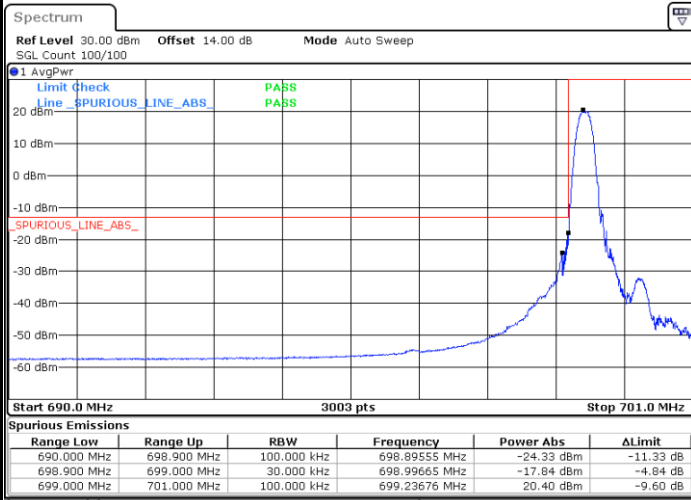


**Conducted Band Edge**



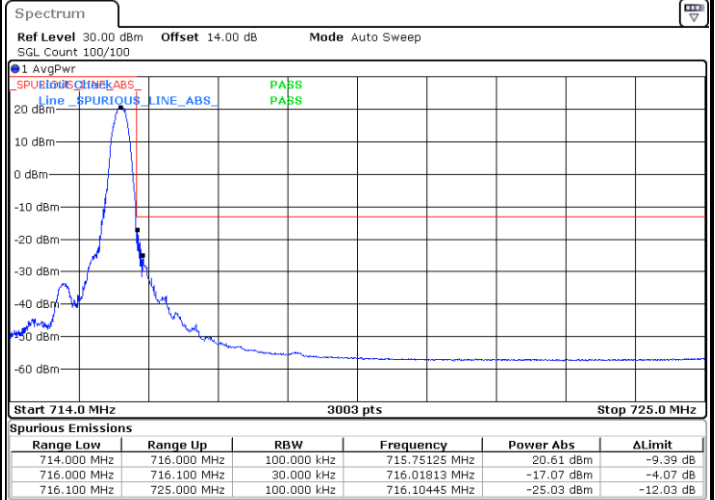
LTE Band 12 / 1.4MHz / QPSK

Lowest Band Edge / 1 RB



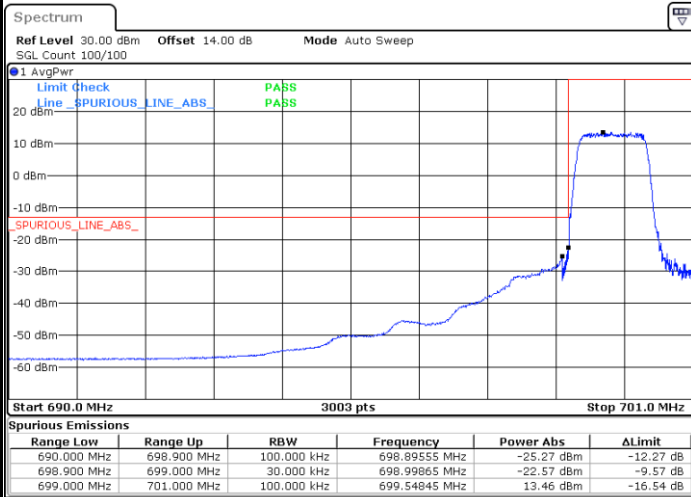
Date: 13.DEC.2022 21:14:58

Highest Band Edge / 1RB



Date: 13.DEC.2022 21:28:02

Lowest Band Edge / Full RB



Date: 13.DEC.2022 21:09:48

Highest Band Edge / Full RB

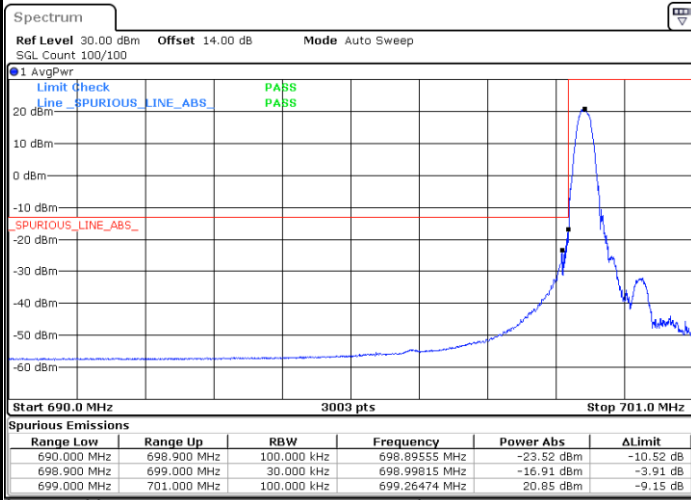


Date: 13.DEC.2022 21:22:53



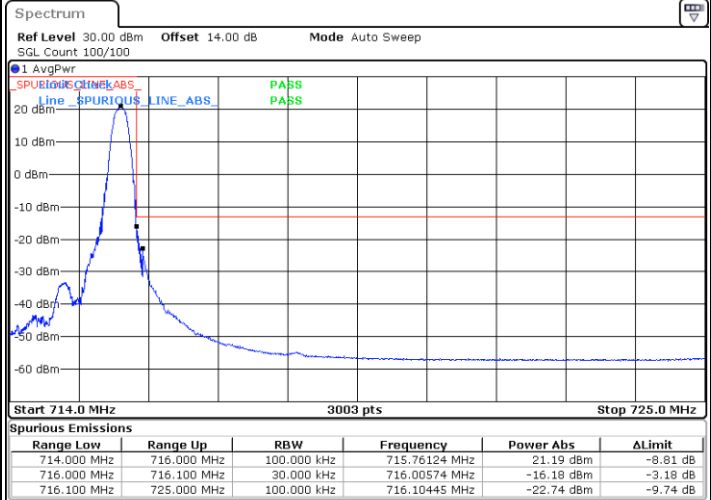
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



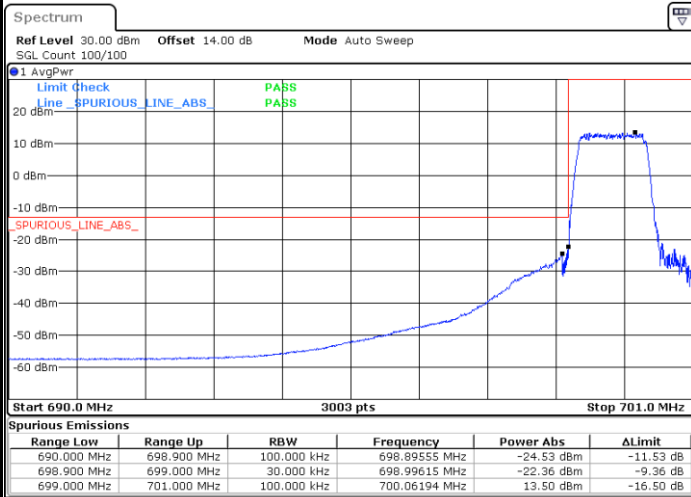
Date: 13.DEC.2022 21:13:15

Highest Band Edge / 1 RB



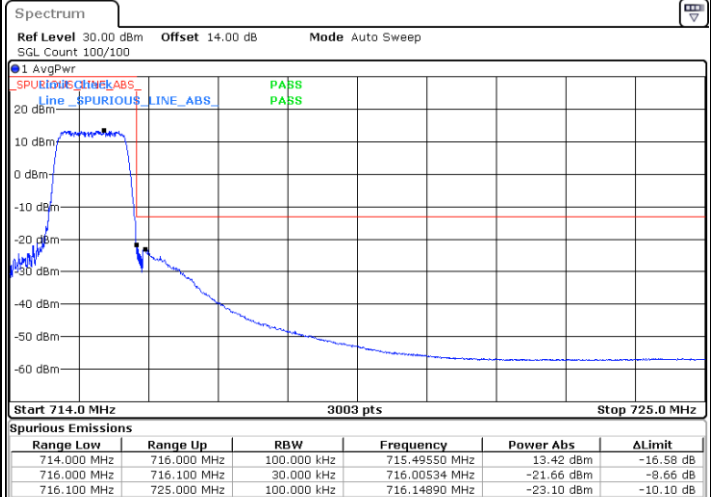
Date: 13.DEC.2022 21:26:19

Lowest Band Edge / Full RB



Date: 13.DEC.2022 21:11:31

Highest Band Edge / Full RB

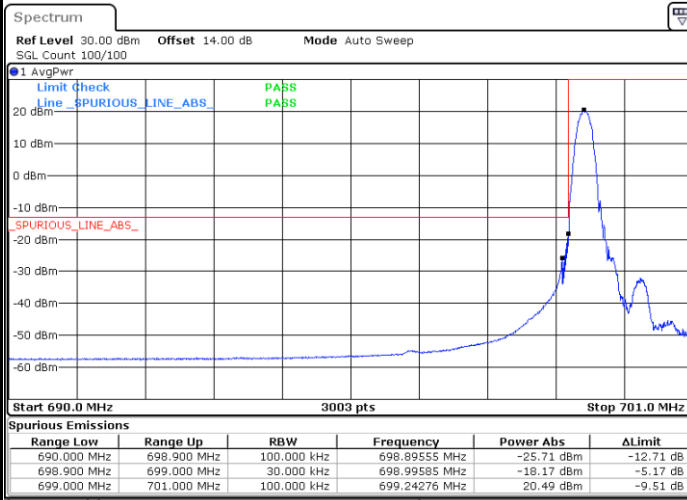


Date: 13.DEC.2022 21:24:36



LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



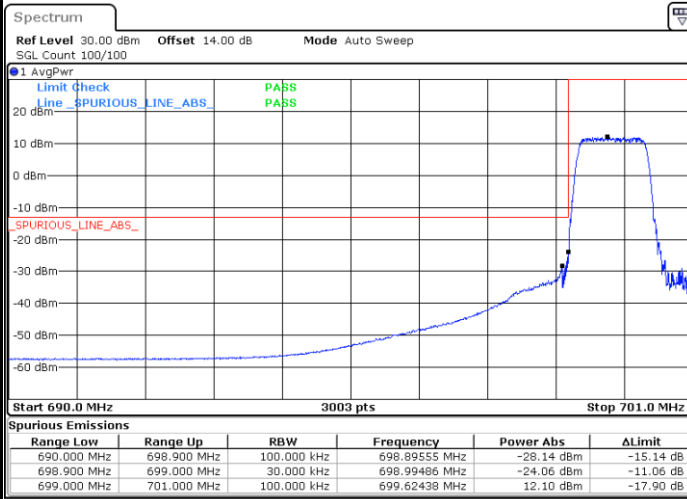
Date: 13.DEC.2022 20:59:37

Highest Band Edge / 1 RB



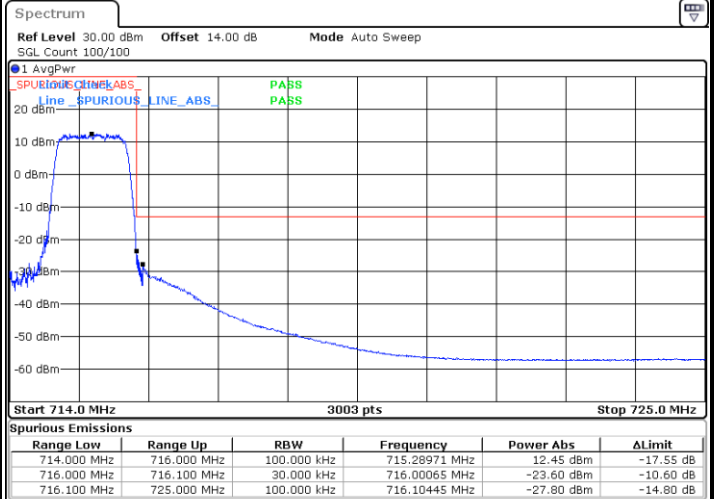
Date: 13.DEC.2022 21:05:51

Lowest Band Edge / Full RB



Date: 13.DEC.2022 20:57:54

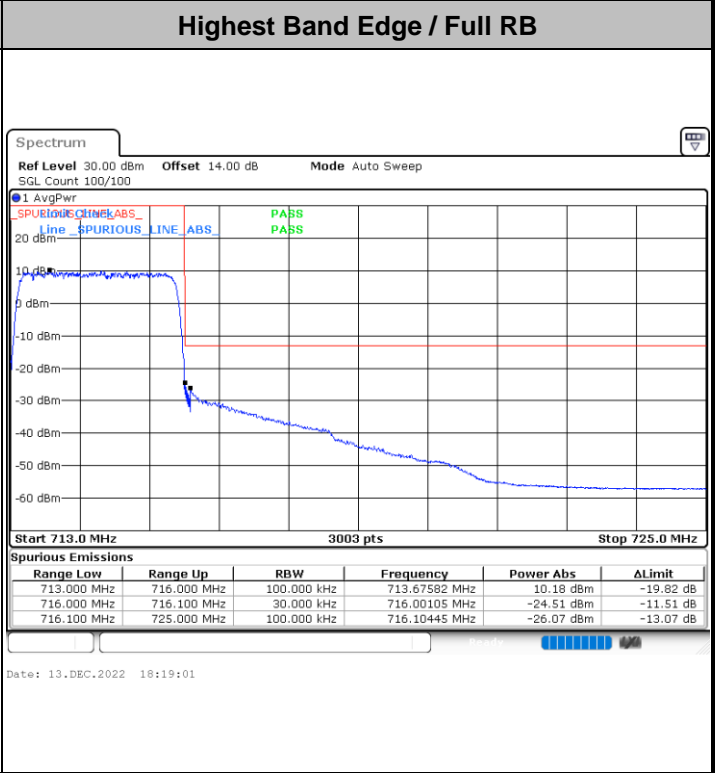
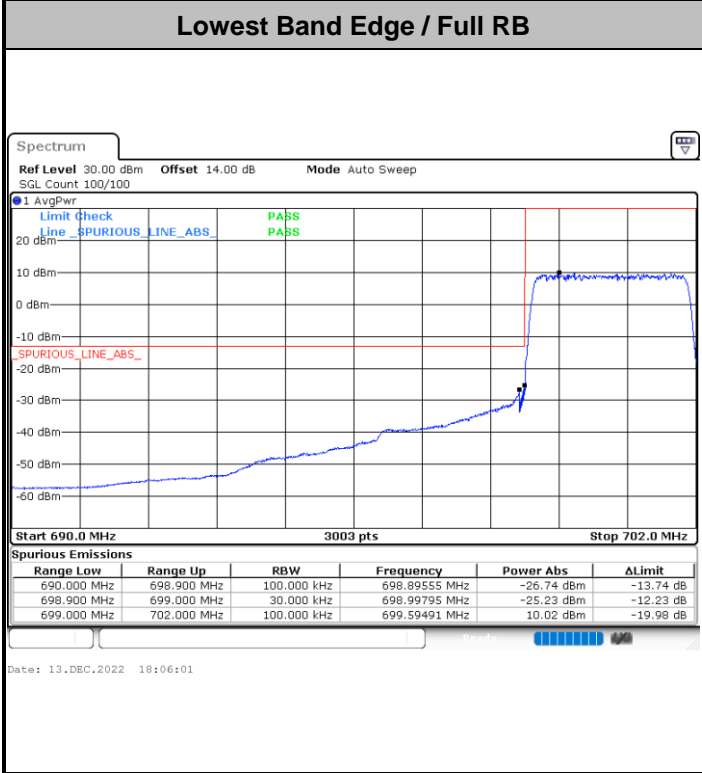
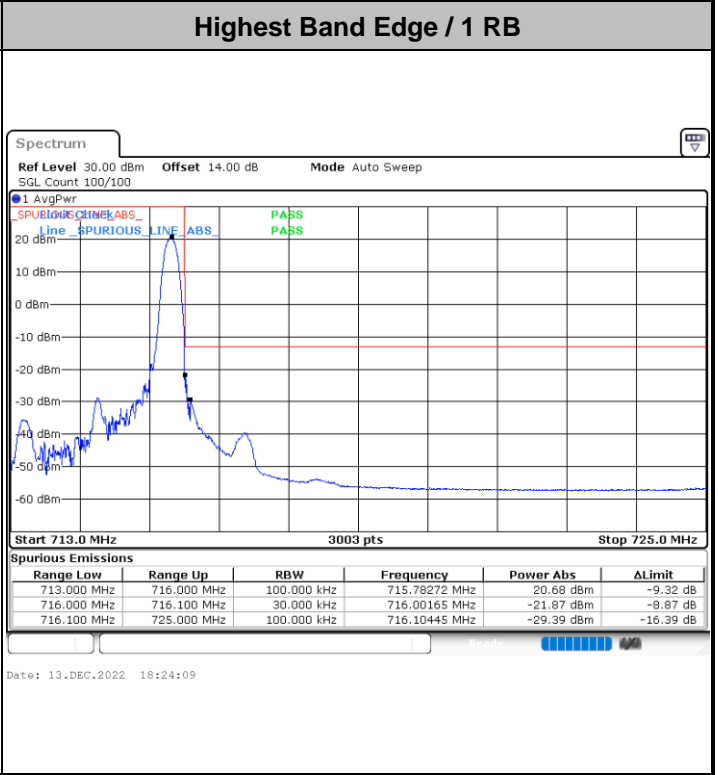
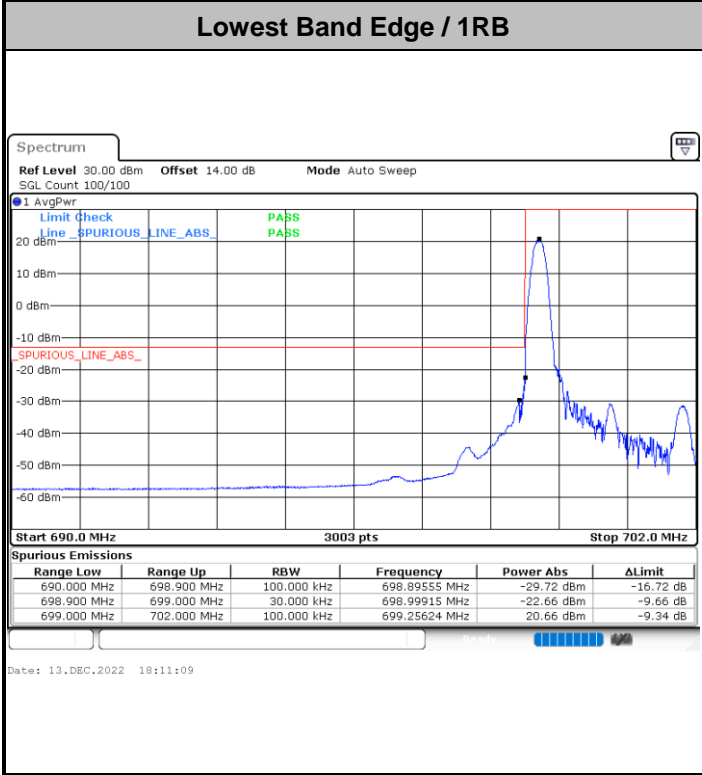
Highest Band Edge / Full RB



Date: 13.DEC.2022 21:04:08



**LTE Band 12 / 3MHz / QPSK**

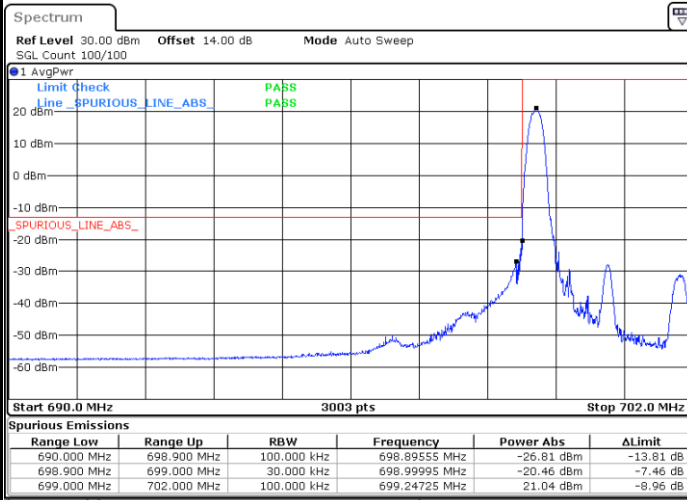






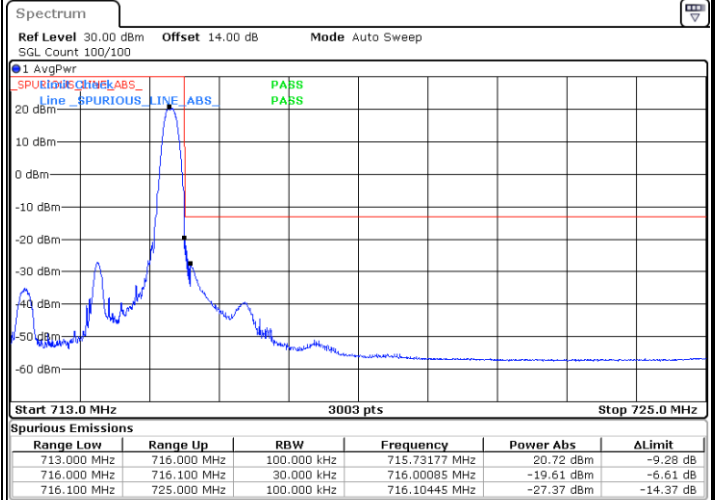
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



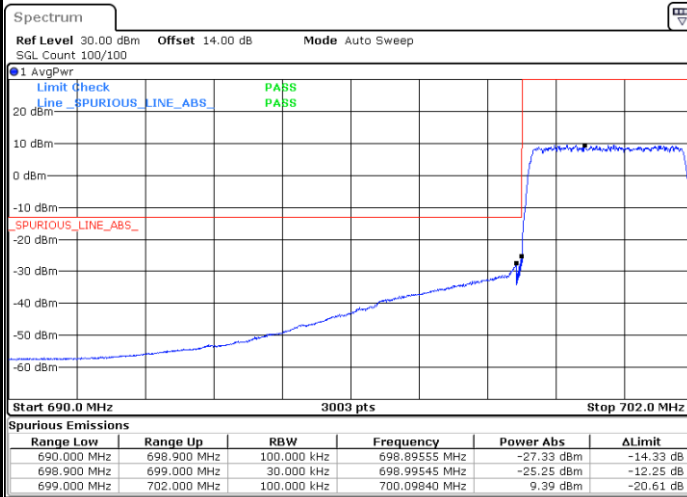
Date: 13.DEC.2022 18:09:27

Highest Band Edge / 1 RB



Date: 13.DEC.2022 18:22:26

Lowest Band Edge / Full RB



Date: 13.DEC.2022 18:07:44

Highest Band Edge / Full RB

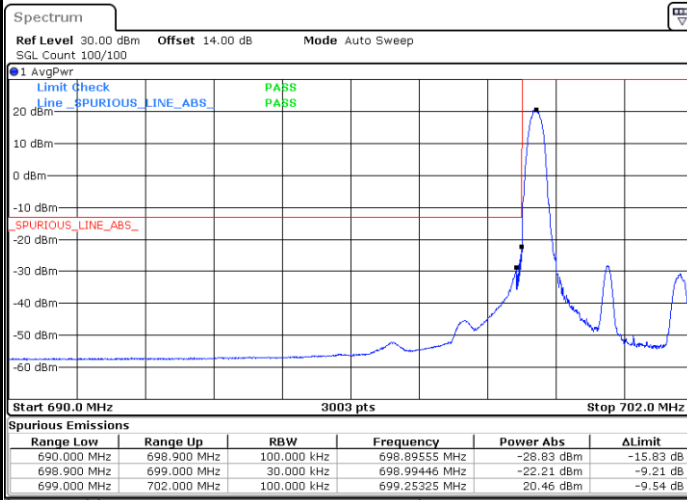


Date: 13.DEC.2022 18:20:43



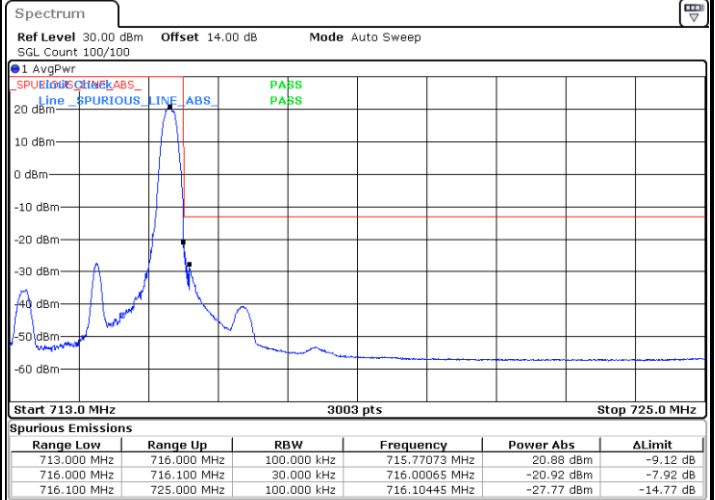
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



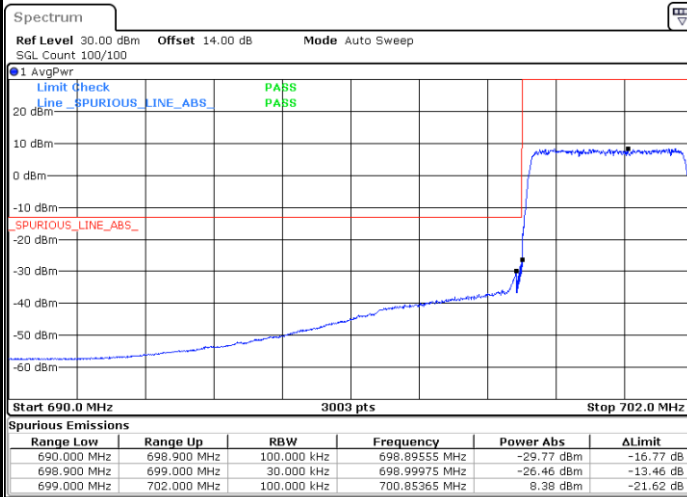
Date: 13.DEC.2022 20:25:54

Highest Band Edge / 1 RB



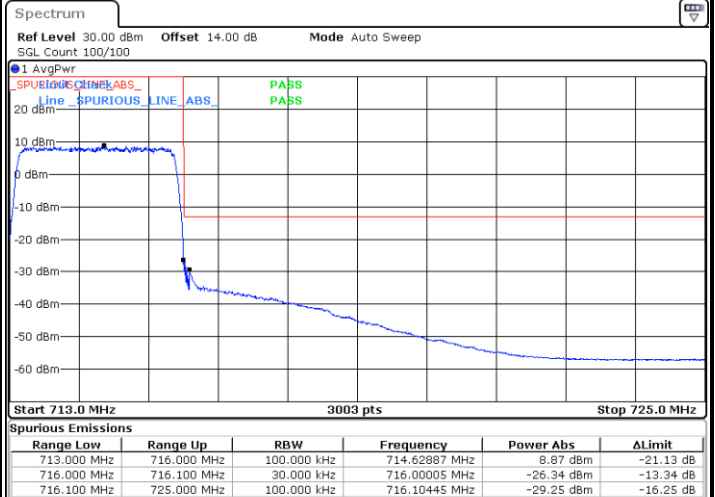
Date: 13.DEC.2022 20:32:06

Lowest Band Edge / Full RB



Date: 13.DEC.2022 20:24:12

Highest Band Edge / Full RB

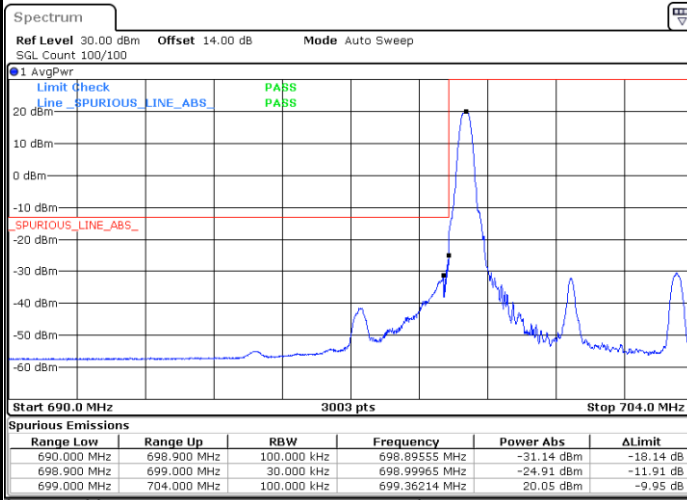


Date: 13.DEC.2022 20:30:23



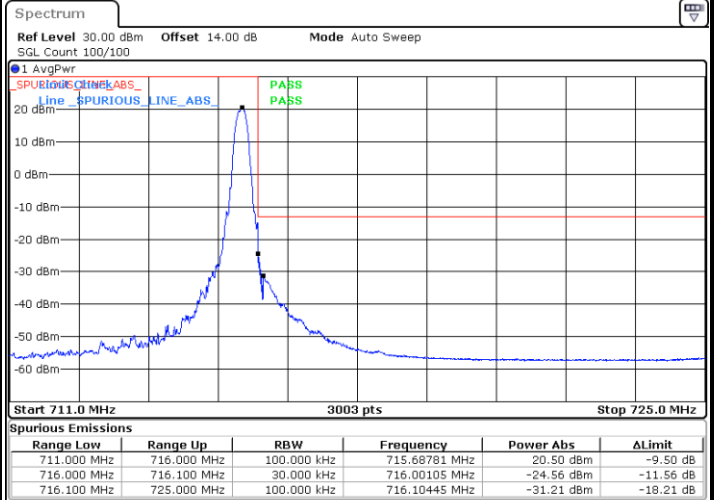
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



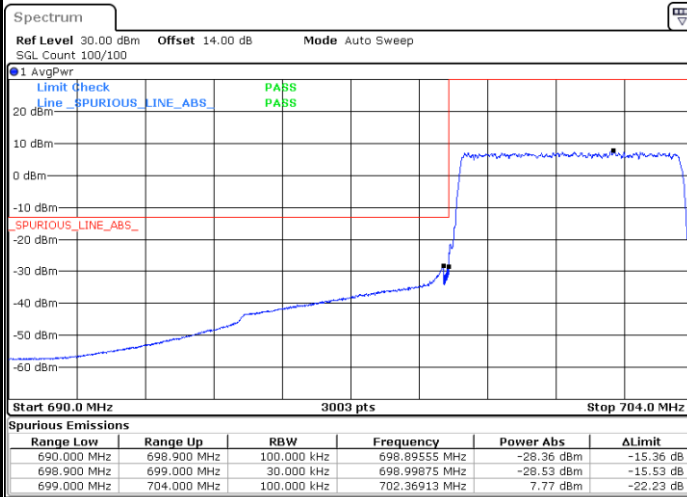
Date: 13.DEC.2022 18:34:06

Highest Band Edge / 1 RB



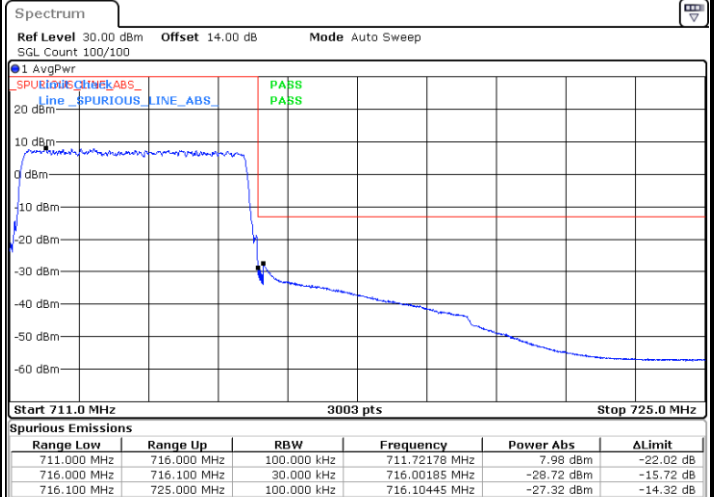
Date: 13.DEC.2022 18:45:22

Lowest Band Edge / Full RB



Date: 13.DEC.2022 18:28:58

Highest Band Edge / Full RB

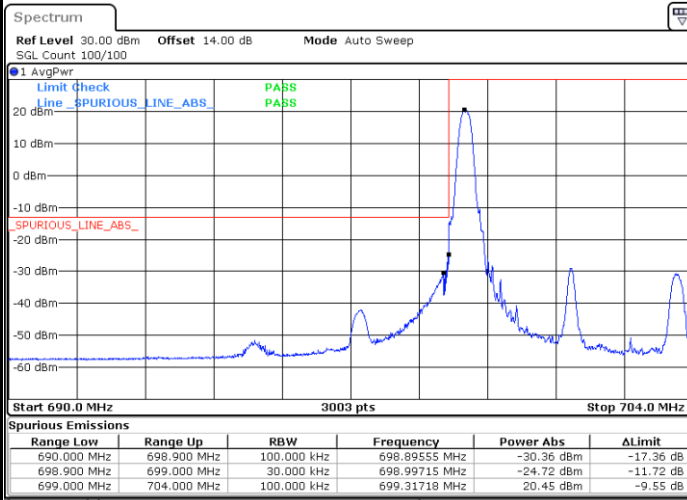


Date: 13.DEC.2022 18:41:57



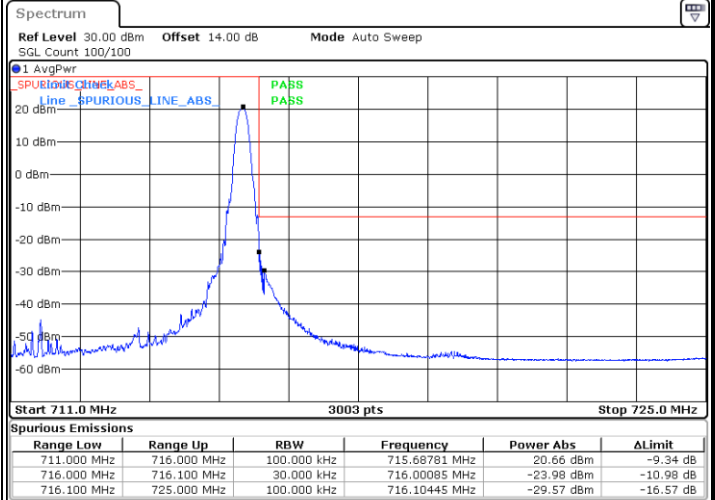
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



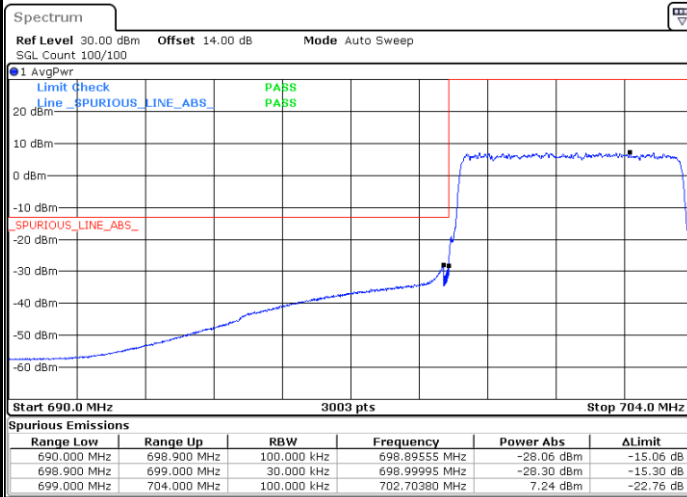
Date: 13.DEC.2022 18:32:23

Highest Band Edge / 1 RB



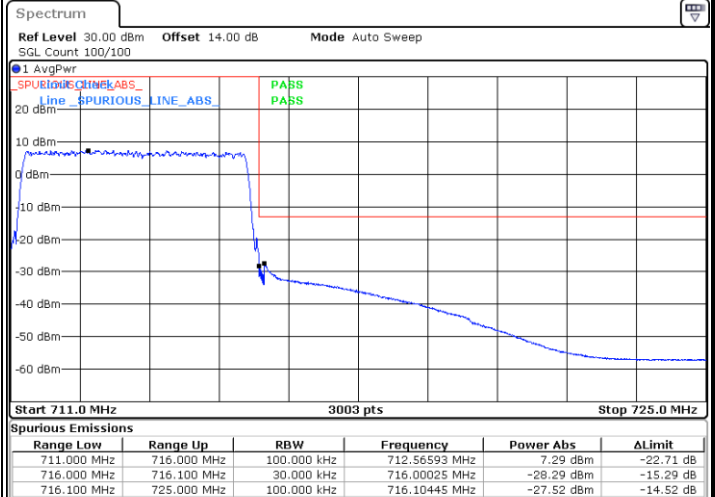
Date: 13.DEC.2022 18:47:05

Lowest Band Edge / Full RB



Date: 13.DEC.2022 18:30:40

Highest Band Edge / Full RB



Date: 13.DEC.2022 18:43:40