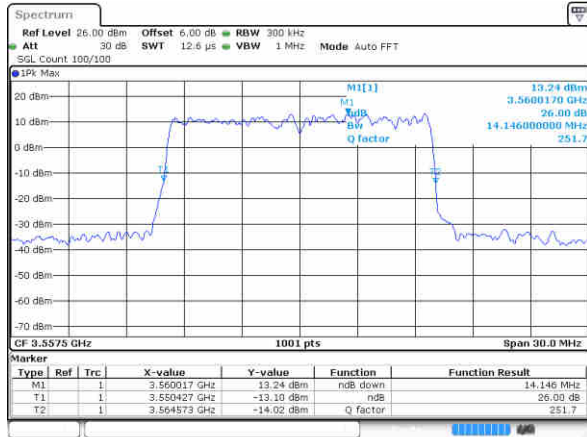




## LTE Band 48

## Lowest Channel / 15MHz / 64QAM



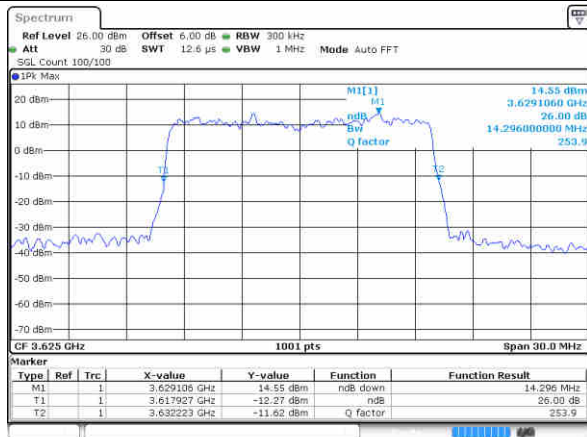
Date: 7 APR 2020 16:32:26

## Lowest Channel / 20MHz / 64QAM



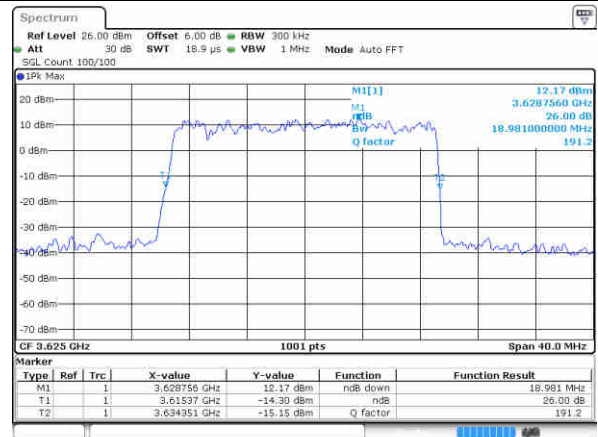
Date: 7 APR 2020 16:39:25

## Middle Channel / 15MHz / 64QAM



Date: 7 APR 2020 16:33:56

## Middle Channel / 20MHz / 64QAM



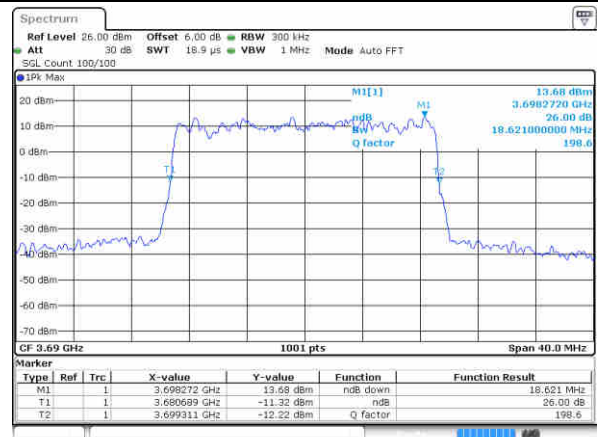
Date: 7 APR 2020 16:48:49

## Highest Channel / 15MHz / 64QAM



Date: 7 APR 2020 16:35:22

## Highest Channel / 20MHz / 64QAM

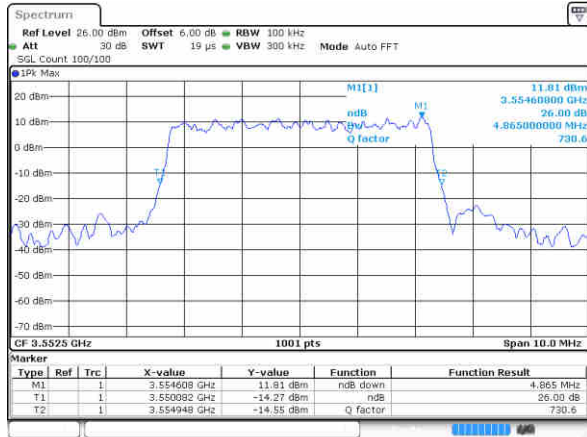


Date: 7 APR 2020 16:50:48



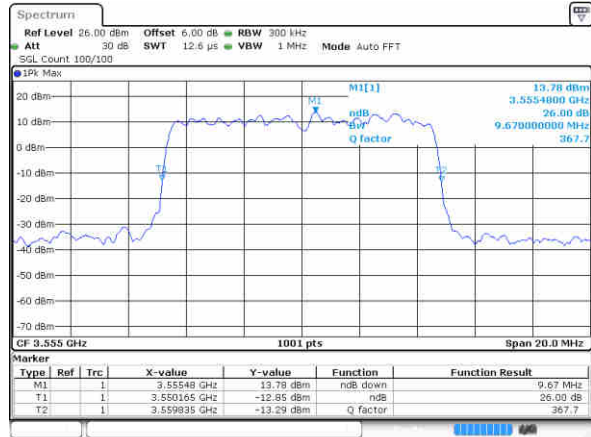
## LTE Band 48

## Lowest Channel / 5MHz / 256QAM



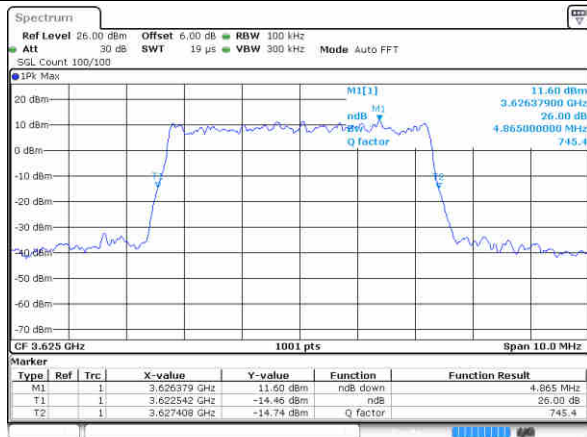
Date: 8 APR 2020 11:26:43

## Lowest Channel / 10MHz / 256QAM



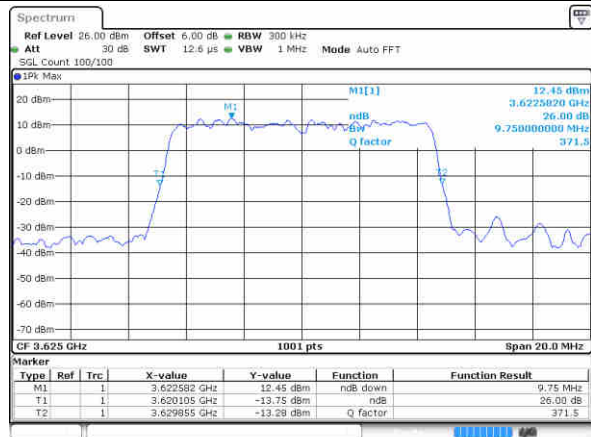
Date: 8 APR 2020 12:32:45

## Middle Channel / 5MHz / 256QAM



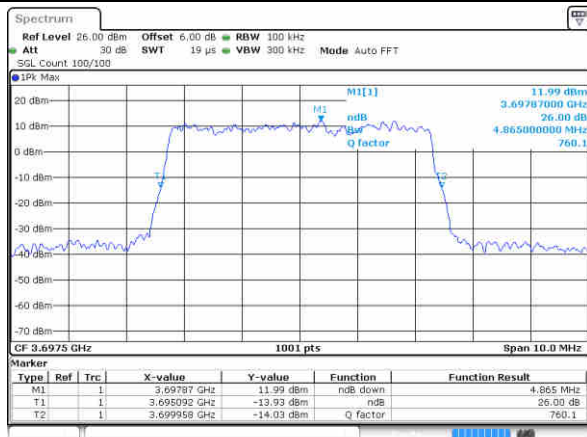
Date: 8 APR 2020 11:27:52

## Middle Channel / 10MHz / 256QAM



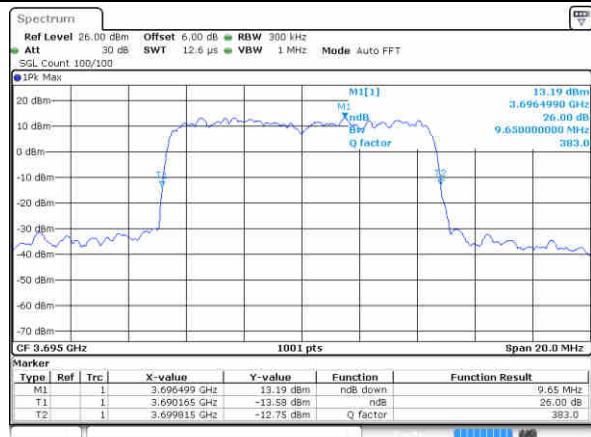
Date: 8 APR 2020 12:33:40

## Highest Channel / 5MHz / 256QAM



Date: 8 APR 2020 11:29:17

## Highest Channel / 10MHz / 256QAM

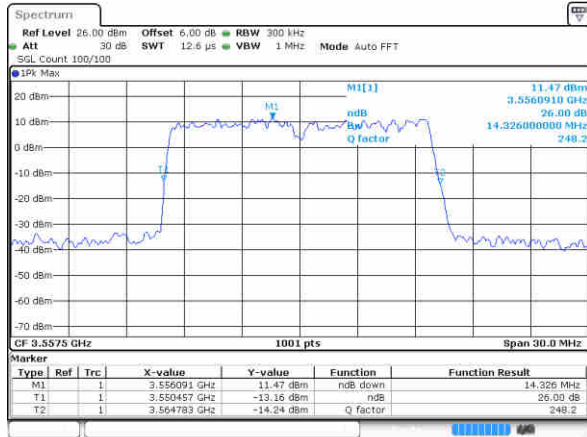


Date: 8 APR 2020 12:34:37



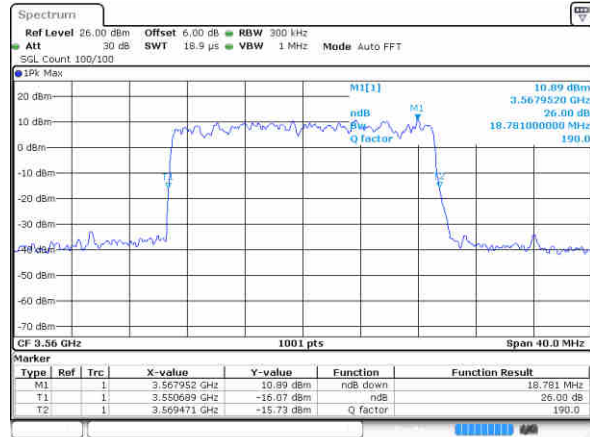
## LTE Band 48

## Lowest Channel / 15MHz / 256QAM



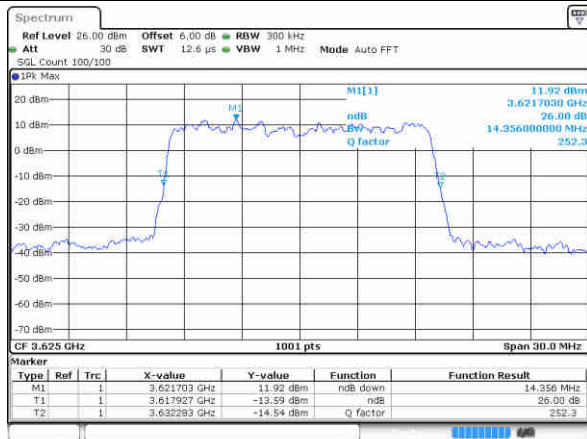
Date: 8 APR 2020 12:57:03

## Lowest Channel / 20MHz / 256QAM



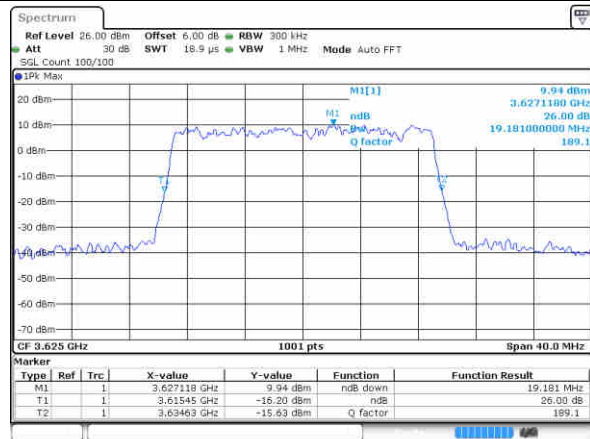
Date: 8 APR 2020 14:55:52

## Middle Channel / 15MHz / 256QAM



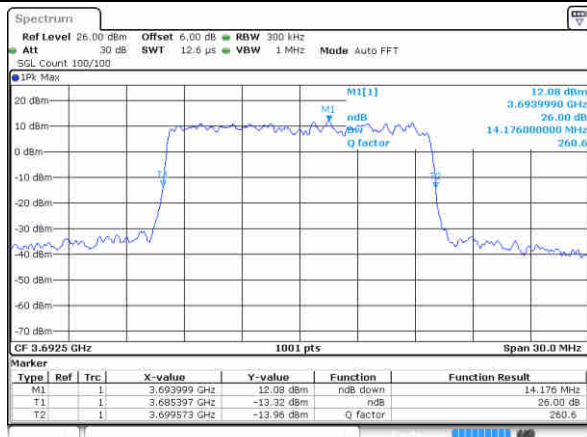
Date: 8 APR 2020 12:58:08

## Middle Channel / 20MHz / 256QAM



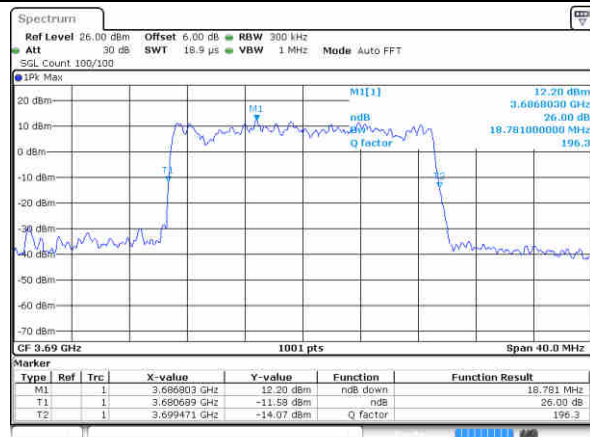
Date: 8 APR 2020 14:56:51

## Highest Channel / 15MHz / 256QAM



Date: 8 APR 2020 12:59:03

## Highest Channel / 20MHz / 256QAM



Date: 8 APR 2020 14:58:09

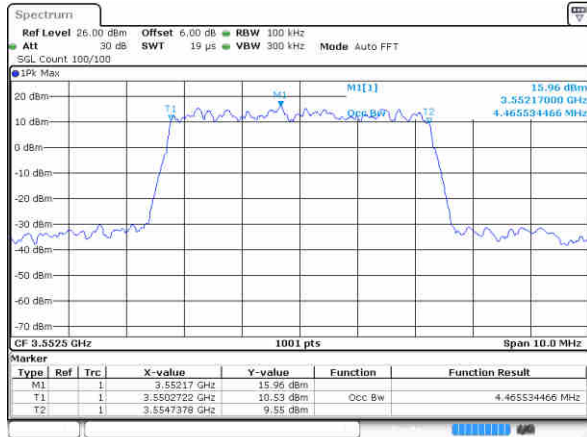
### A1.3. Occupied Bandwidth

| Mode       | LTE Band 48 : 99%OBW(MHz) |        |       |        |       |        |       |        |
|------------|---------------------------|--------|-------|--------|-------|--------|-------|--------|
| BW         | 5MHz                      |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.       | QPSK                      | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  |
| Lowest CH  | 4.47                      | 4.48   | 8.97  | 9.03   | 13.40 | 13.46  | 17.82 | 17.94  |
| Middle CH  | 4.48                      | 4.46   | 9.01  | 9.05   | 13.49 | 13.55  | 17.86 | 17.86  |
| Highest CH | 4.50                      | 4.50   | 9.03  | 8.99   | 13.39 | 13.49  | 17.82 | 17.90  |
| Mode       | LTE Band 48 : 99%OBW(MHz) |        |       |        |       |        |       |        |
| BW         | 5MHz                      |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.       | 64QAM                     | 246QAM | 64QAM | 246QAM | 64QAM | 246QAM | 64QAM | 246QAM |
| Lowest CH  | 4.49                      | 4.47   | 9.03  | 8.99   | 13.52 | 13.37  | 17.90 | 17.90  |
| Middle CH  | 4.49                      | 4.49   | 9.05  | 9.03   | 13.49 | 13.43  | 17.86 | 17.98  |
| Highest CH | 4.49                      | 4.48   | 9.01  | 8.99   | 13.40 | 13.49  | 17.90 | 17.86  |

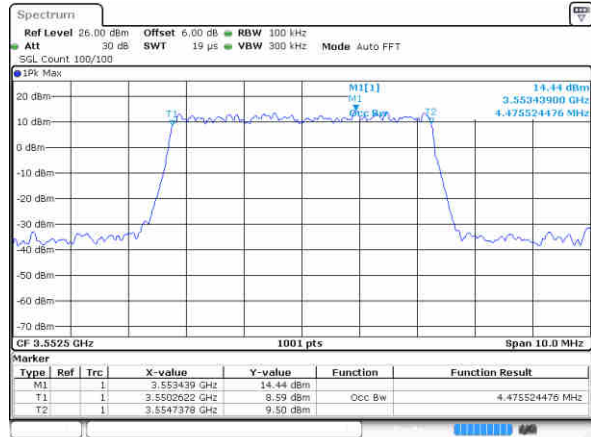


## LTE Band 48

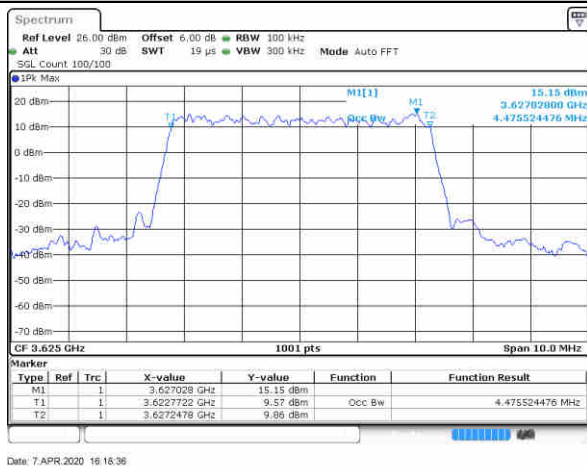
## Lowest Channel / 5MHz / QPSK



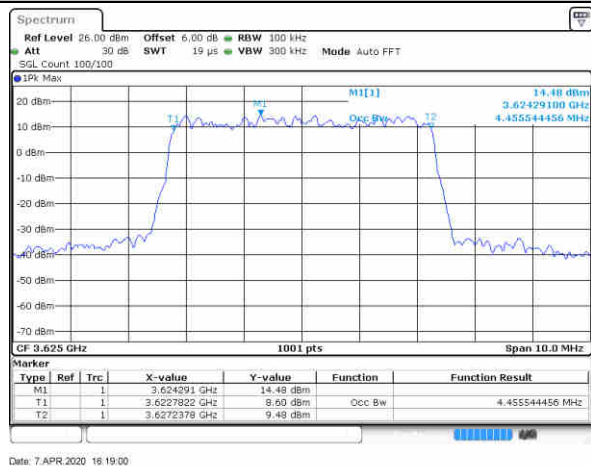
## Lowest Channel / 5MHz / 16QAM



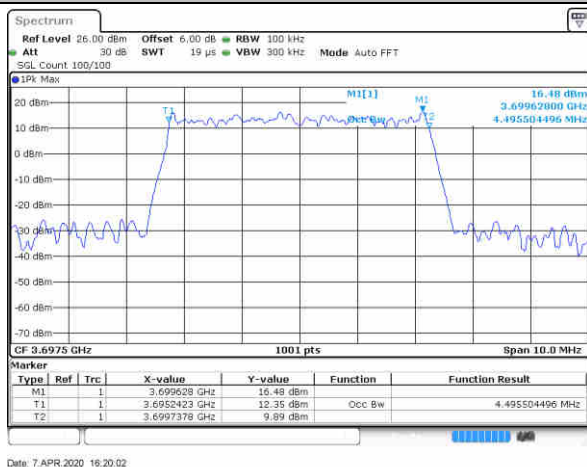
## Middle Channel / 5MHz / QPSK



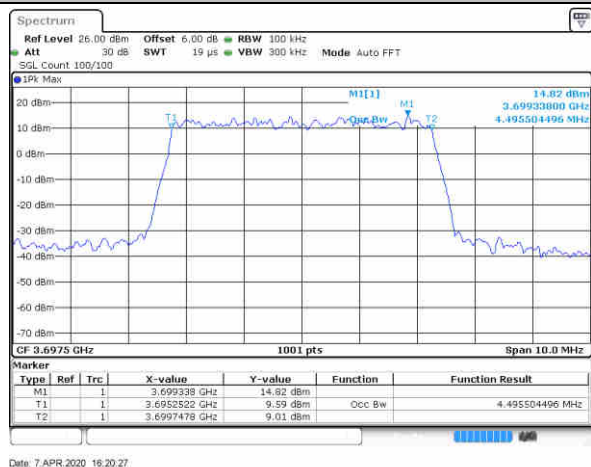
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



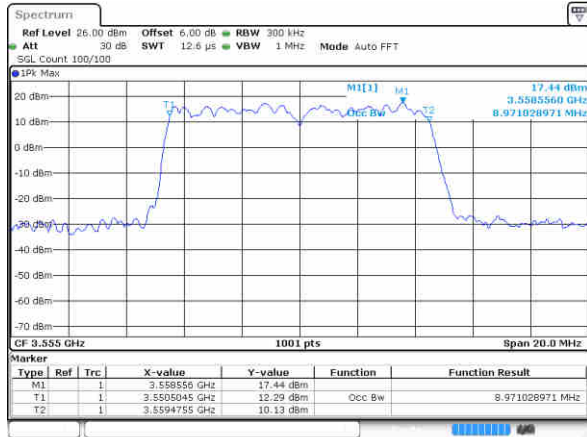
## Highest Channel / 5MHz / 16QAM



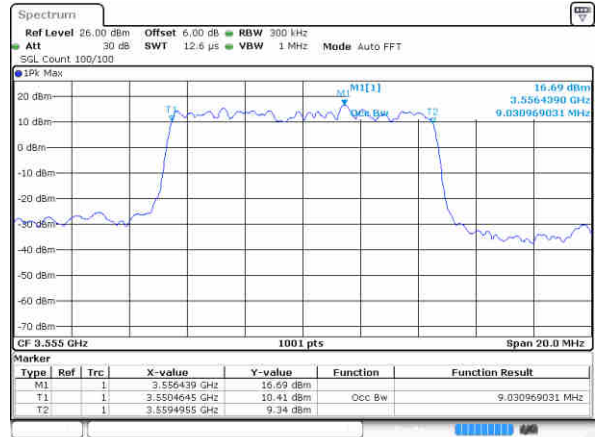


## LTE Band 48

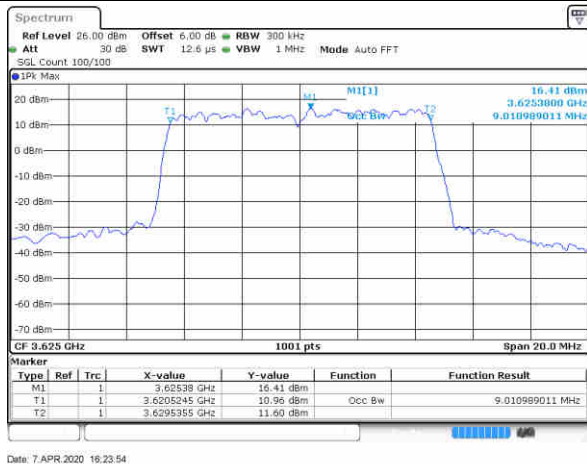
## Lowest Channel / 10MHz / QPSK



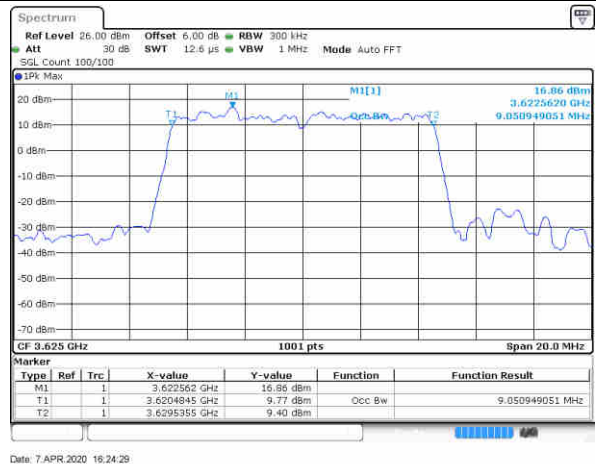
## Lowest Channel / 10MHz / 16QAM



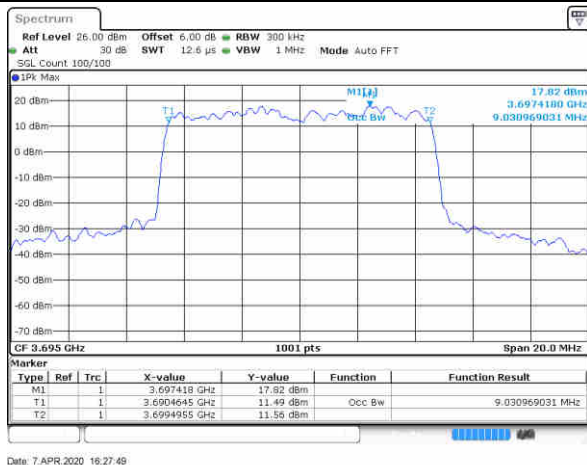
## Middle Channel / 10MHz / QPSK



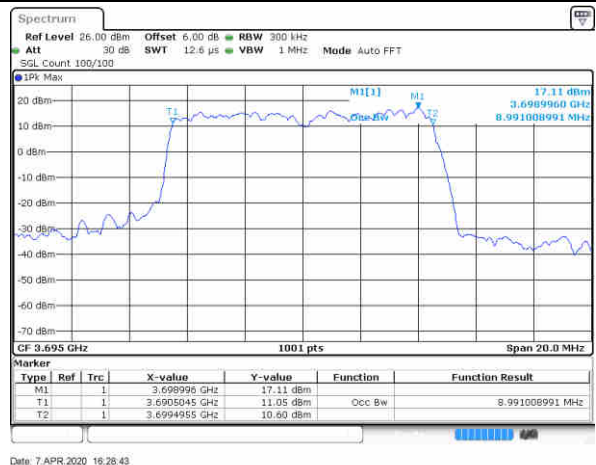
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



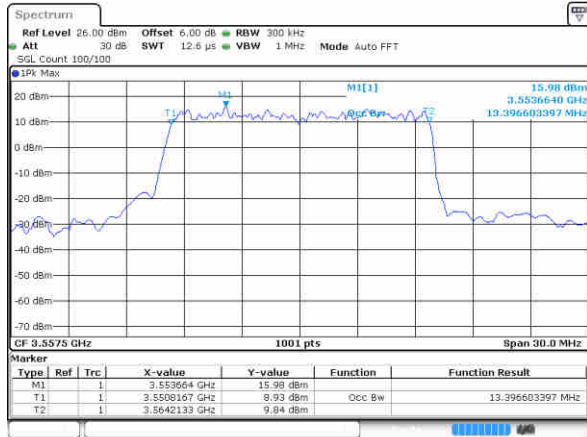
## Highest Channel / 10MHz / 16QAM



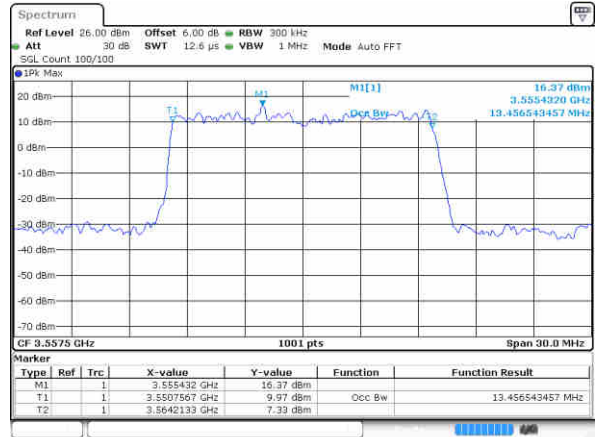


## LTE Band 48

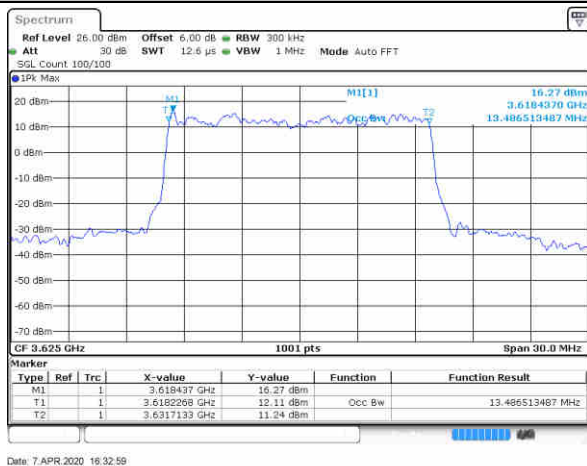
## Lowest Channel / 15MHz / QPSK



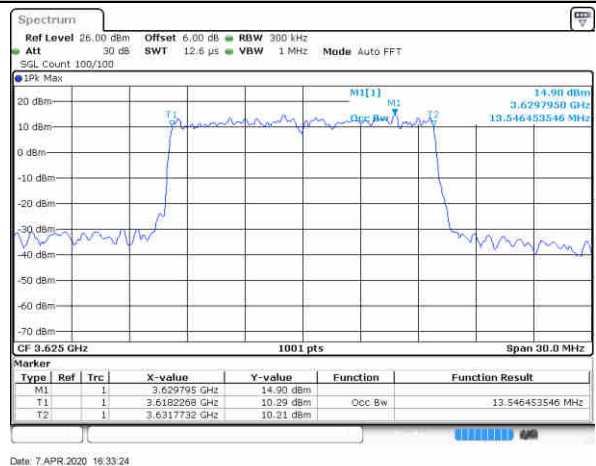
## Lowest Channel / 15MHz / 16QAM



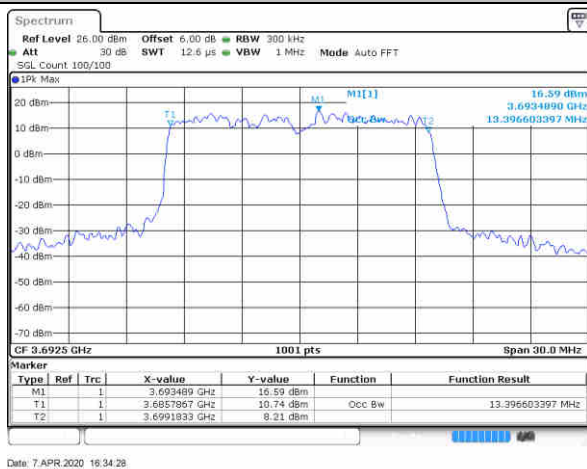
## Middle Channel / 15MHz / QPSK



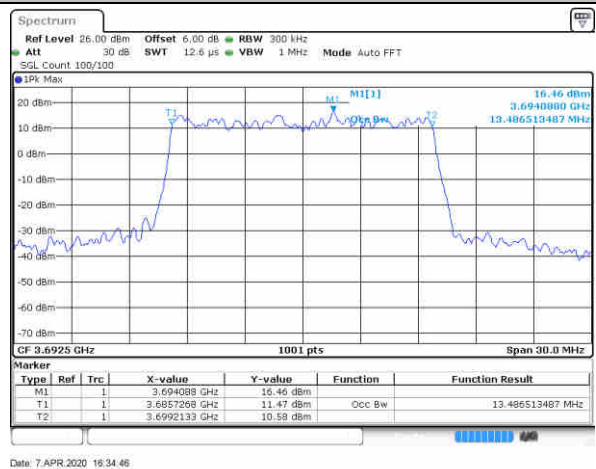
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



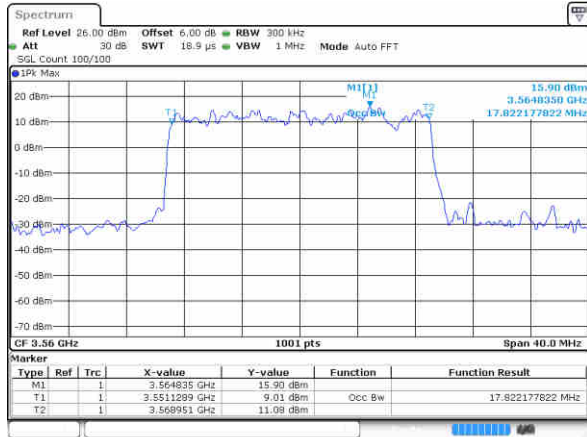
## Highest Channel / 15MHz / 16QAM



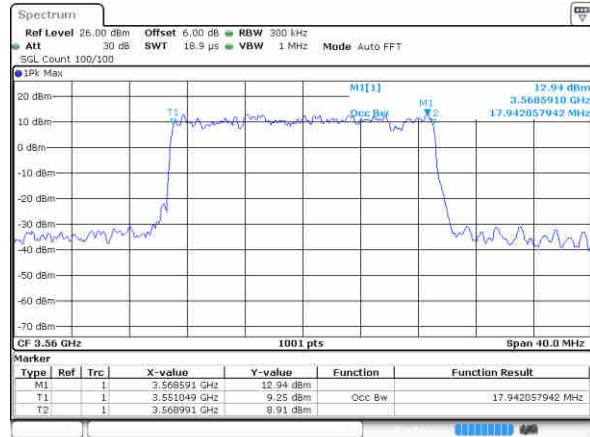


## LTE Band 48

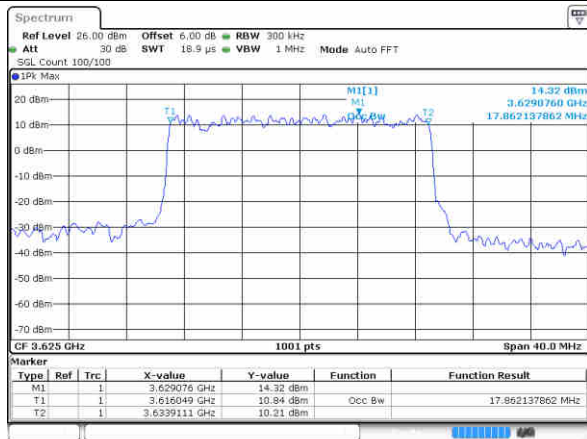
## Lowest Channel / 20MHz / QPSK



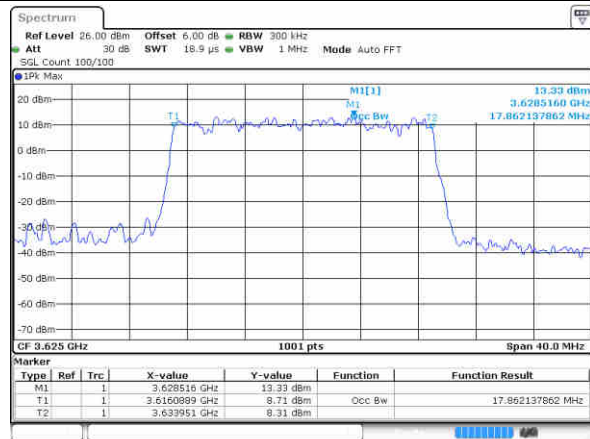
## Lowest Channel / 20MHz / 16QAM



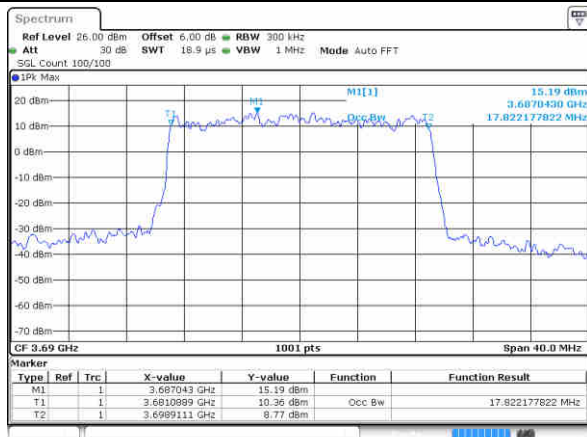
## Middle Channel / 20MHz / QPSK



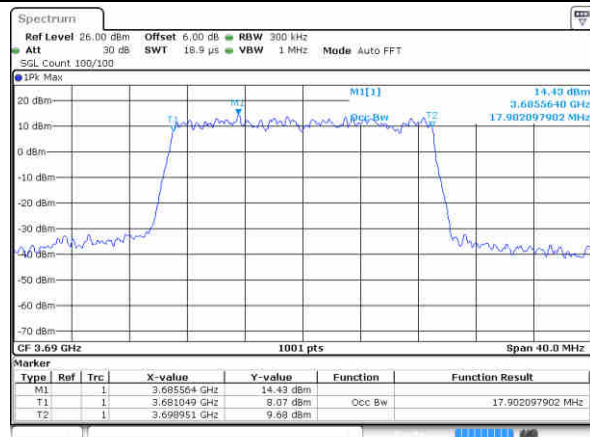
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



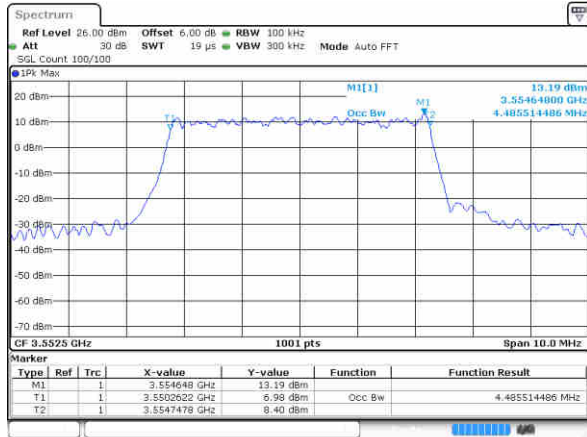
## Highest Channel / 20MHz / 16QAM



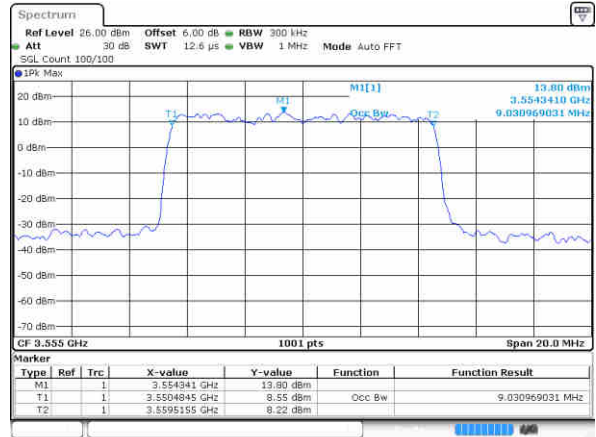


## LTE Band 48

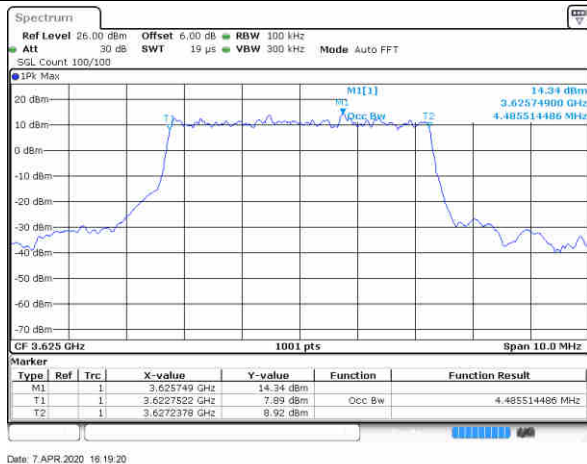
## Lowest Channel / 5MHz / 64QAM



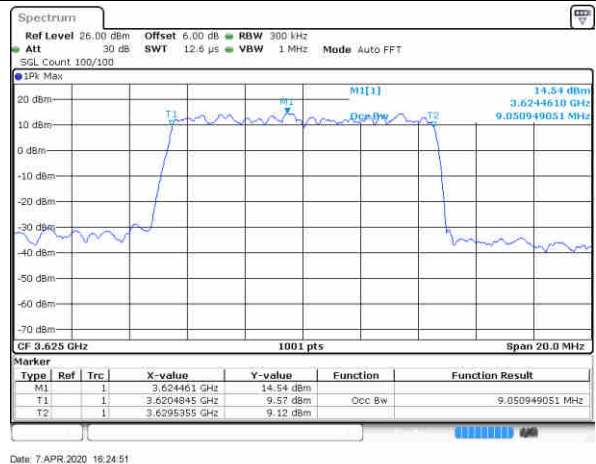
## Lowest Channel / 10MHz / 64QAM



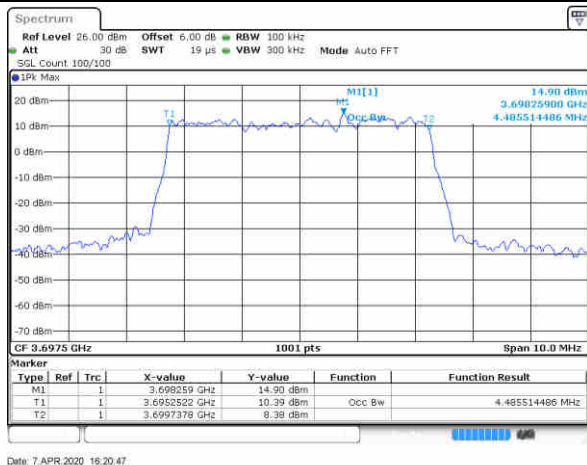
## Middle Channel / 5MHz / 64QAM



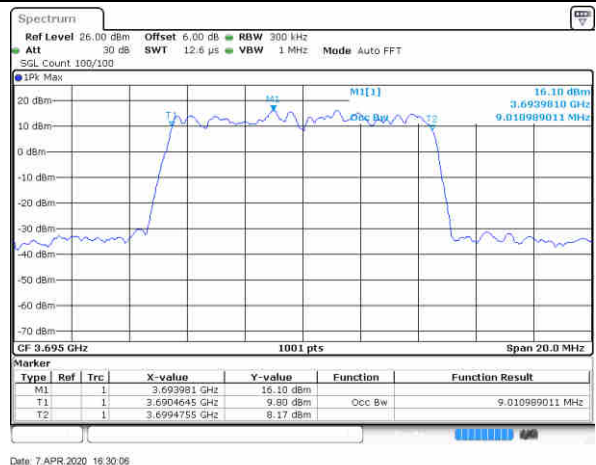
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



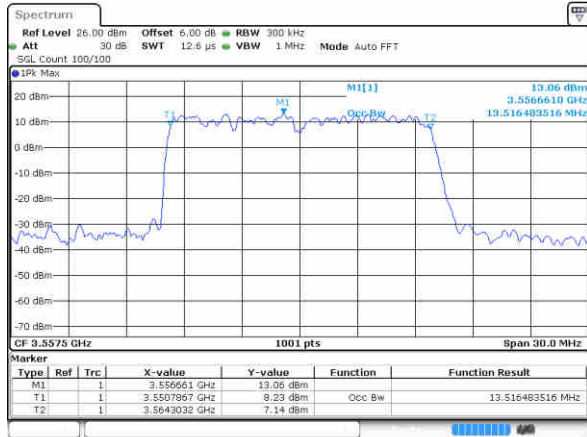
## Highest Channel / 10MHz / 64QAM



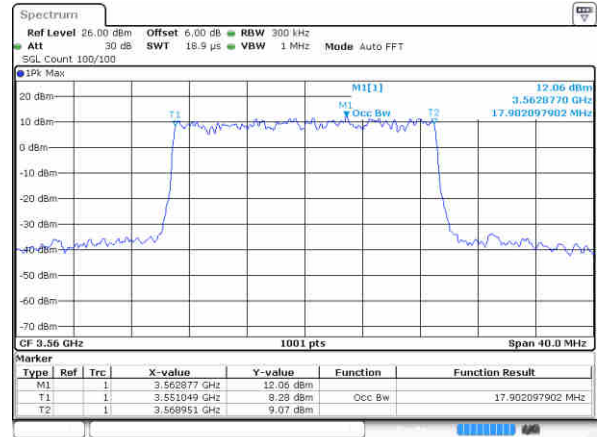


## LTE Band 48

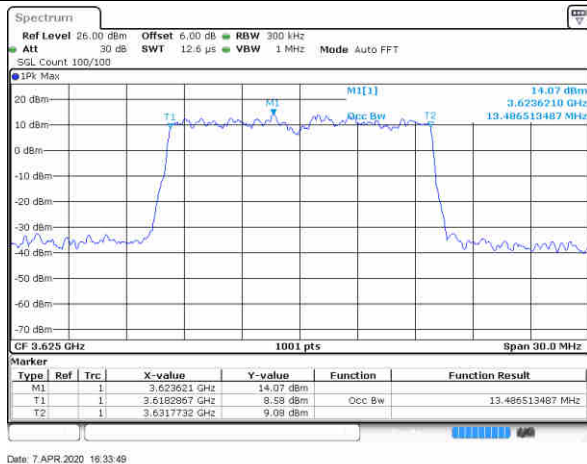
## Lowest Channel / 15MHz / 64QAM



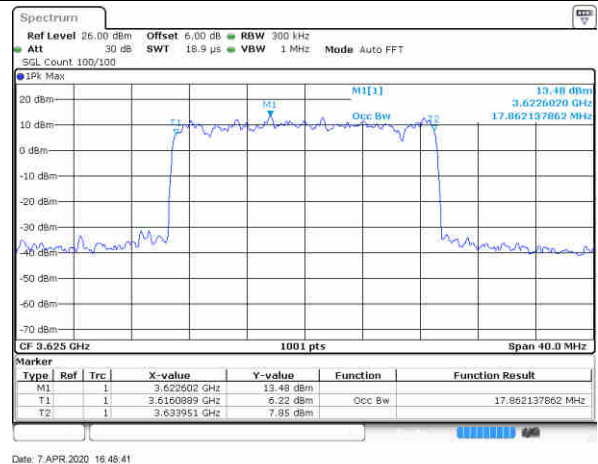
## Lowest Channel / 20MHz / 64QAM



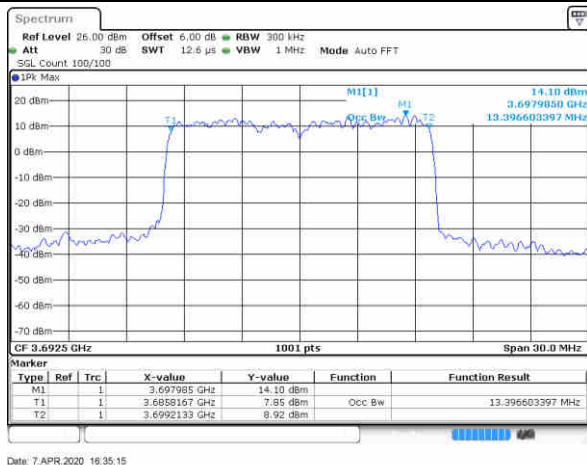
## Middle Channel / 15MHz / 64QAM



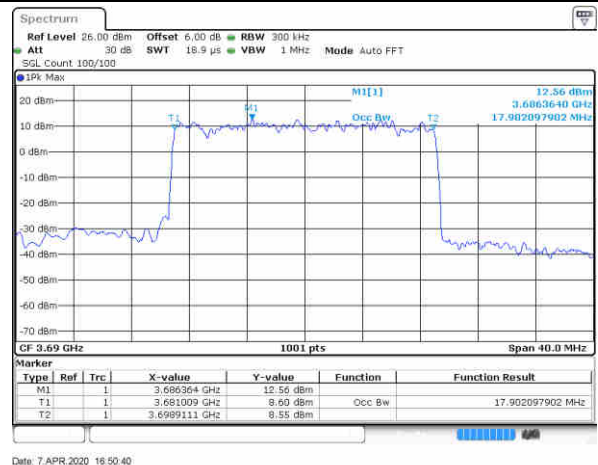
## Middle Channel / 20MHz / 64QAM



## Highest Channel / 15MHz / 64QAM



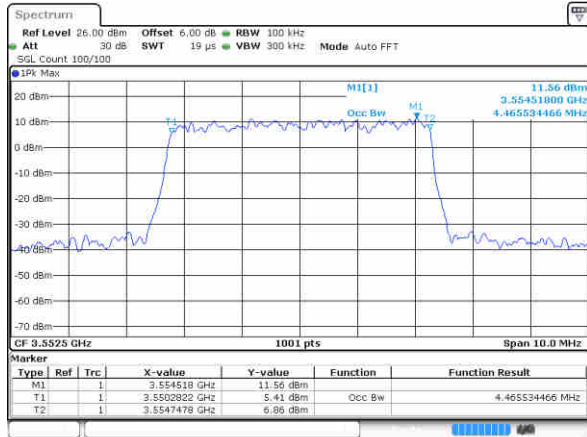
## Highest Channel / 20MHz / 64QAM



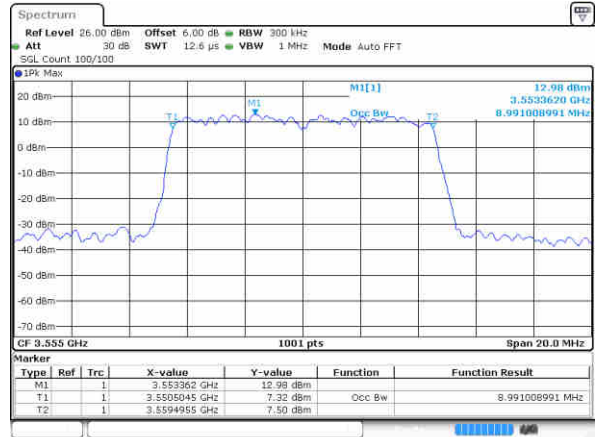


## LTE Band 48

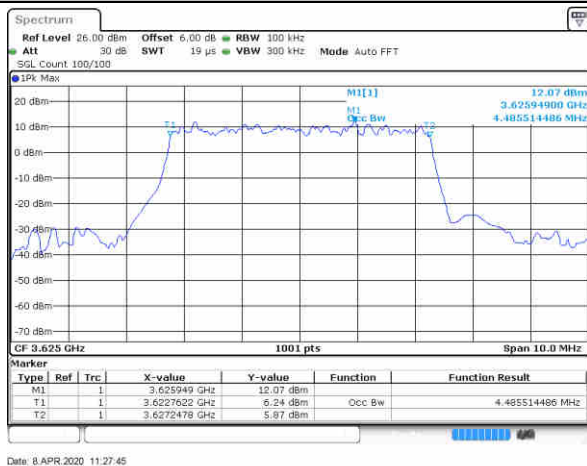
## Lowest Channel / 5MHz / 256QAM



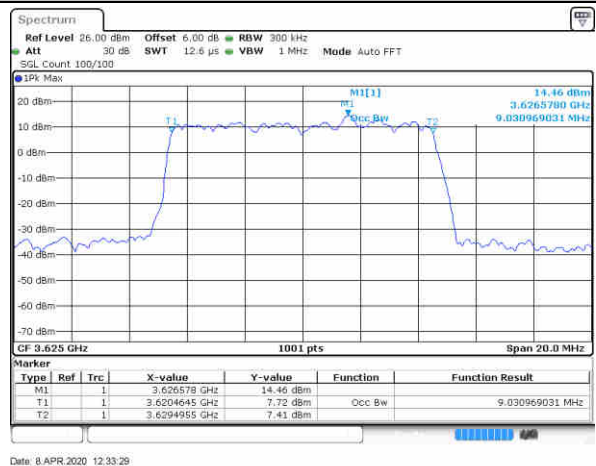
## Lowest Channel / 10MHz / 256QAM



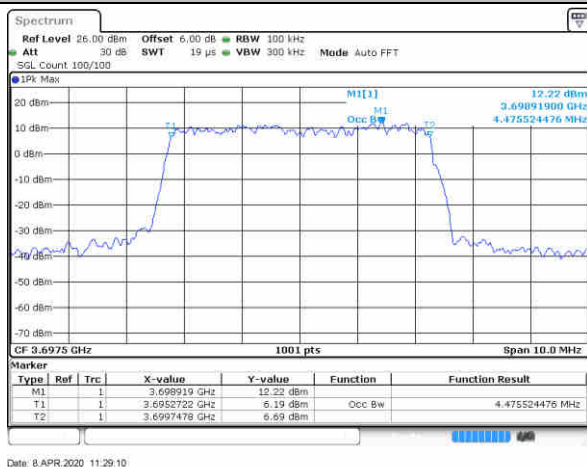
## Middle Channel / 5MHz / 256QAM



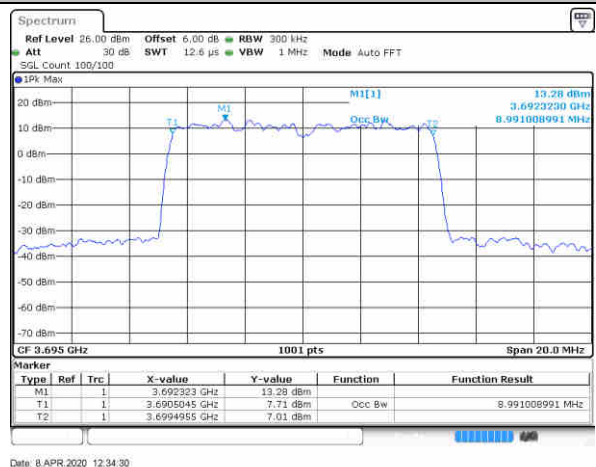
## Middle Channel / 10MHz / 256QAM



## Highest Channel / 5MHz / 256QAM



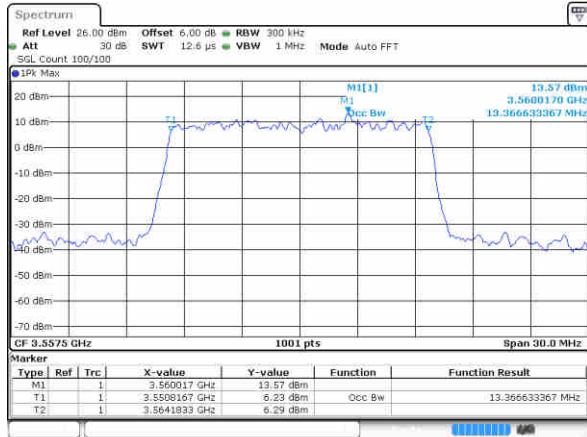
## Highest Channel / 10MHz / 256QAM



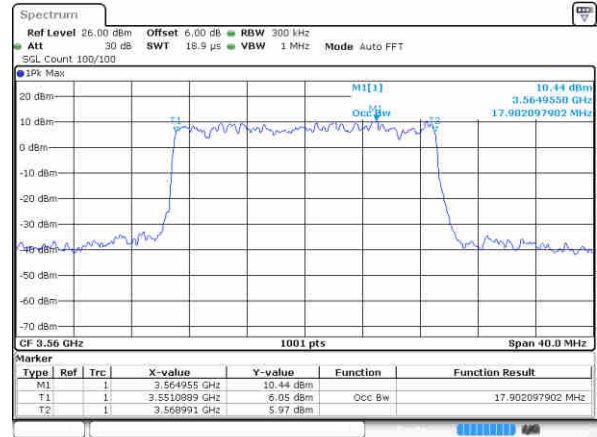


## LTE Band 48

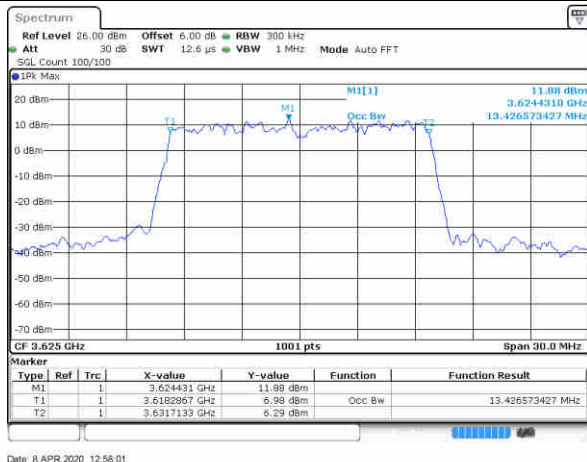
## Lowest Channel / 15MHz / 256QAM



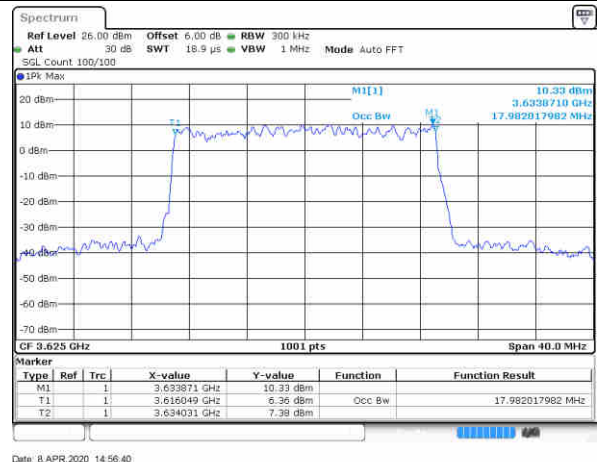
## Lowest Channel / 20MHz / 256QAM



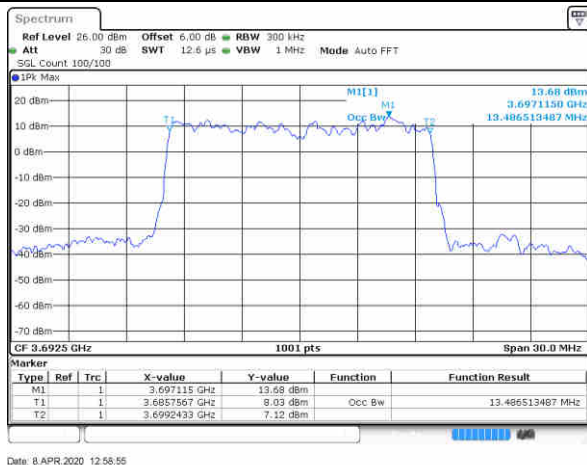
## Middle Channel / 15MHz / 256QAM



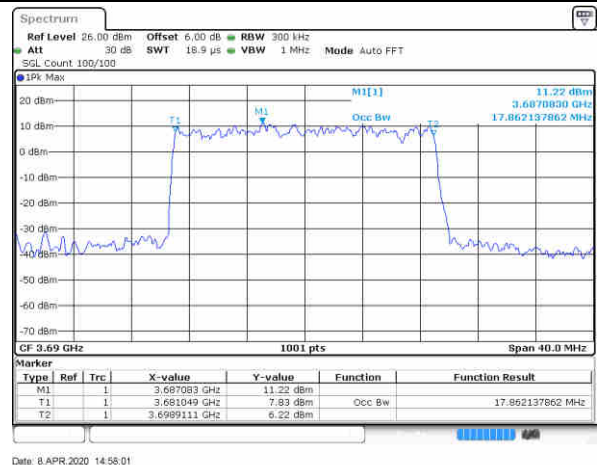
## Middle Channel / 20MHz / 256QAM



## Highest Channel / 15MHz / 256QAM

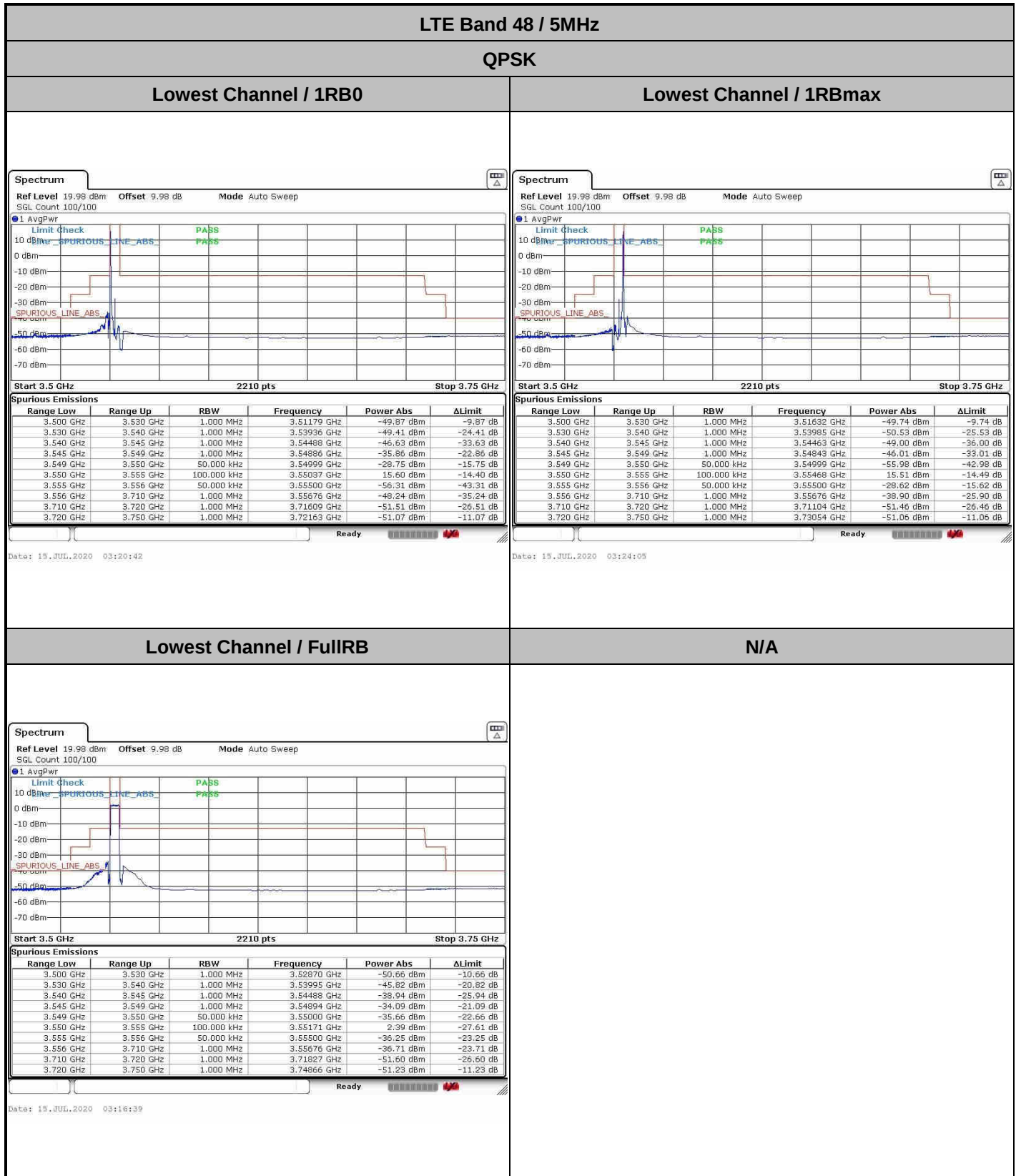


## Highest Channel / 20MHz / 256QAM





## A1.4. Conducted Band Edge

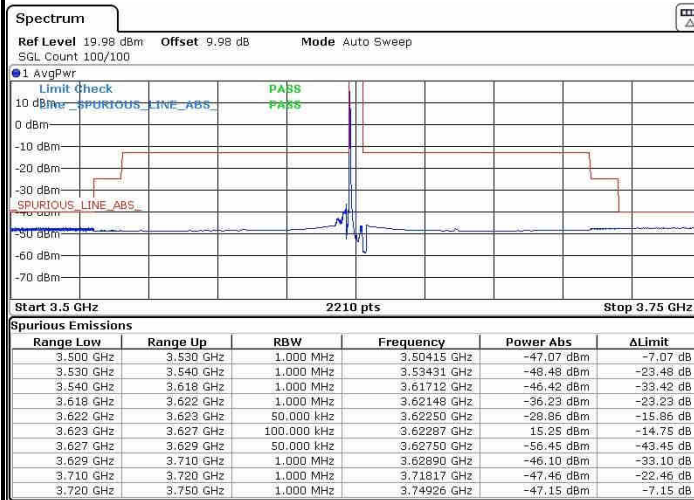




## LTE Band 48 / 5MHz

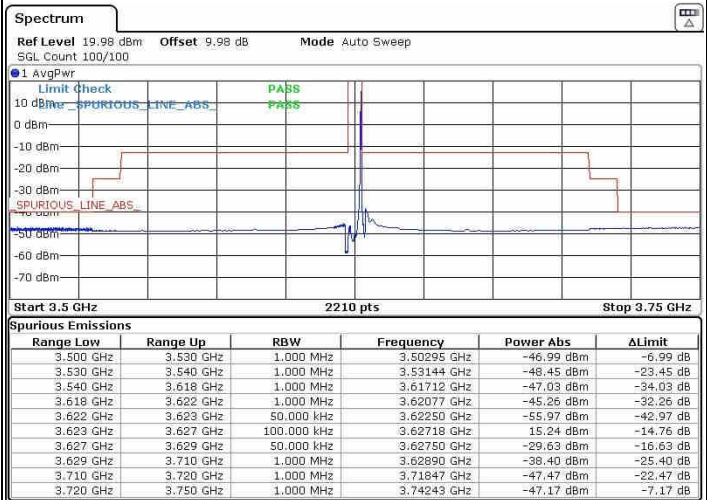
## QPSK

## Middle Channel / 1RB0



Date: 19 JUL 2020 03:03:35

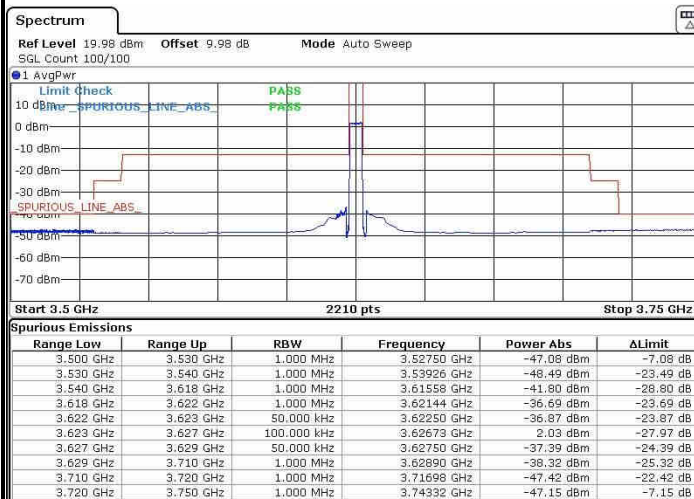
## Middle Channel / 1RBmax



Date: 19 JUL 2020 02:59:49

## Middle Channel / FullRB

## N/A



Date: 19 JUL 2020 03:07:26

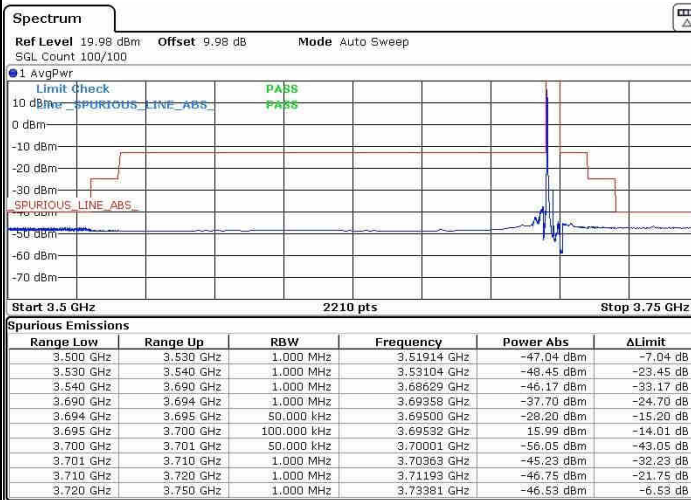


## LTE Band 48 / 5MHz

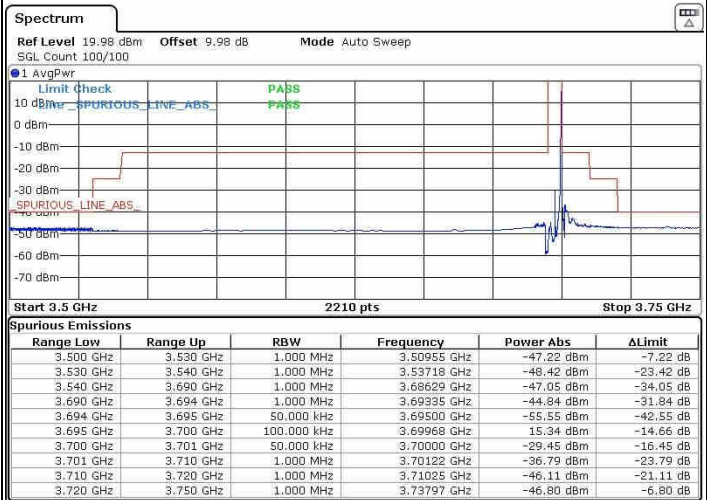
## QPSK

## Highest Channel / 1RB0

## Highest Channel / 1RBmax



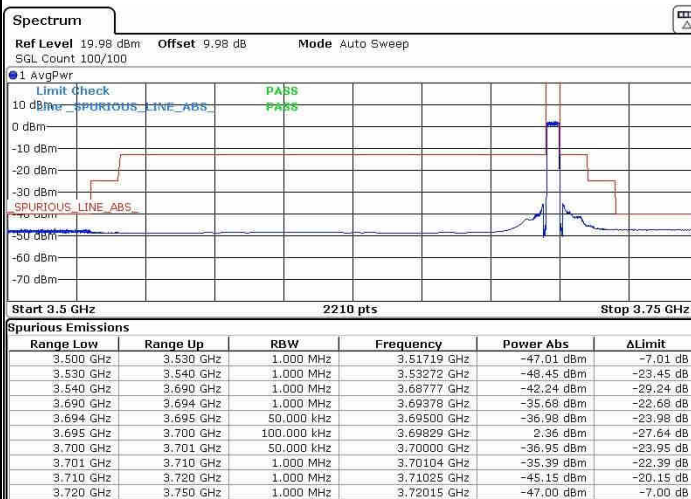
Date: 19.JUL.2020 02:48:40



Date: 19.JUL.2020 02:52:10

## Highest Channel / FullIRB

## N/A



Date: 19.JUL.2020 02:44:58

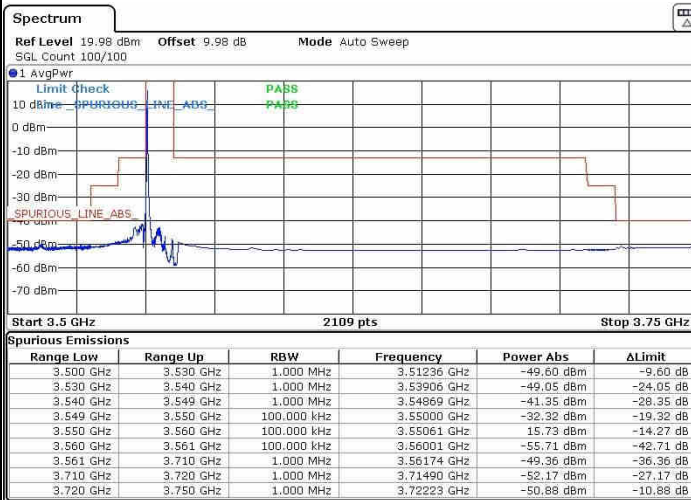


## LTE Band 48 / 10MHz

## QPSK

## Lowest Channel / 1RB0

## Lowest Channel / 1RBmax



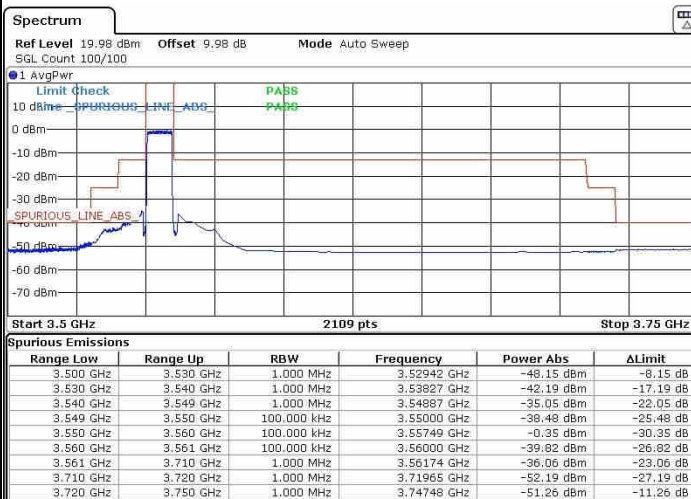
Date: 19 JUL 2020 01:51:49



Date: 19 JUL 2020 01:56:42

## Lowest Channel / FullRB

## N/A



Date: 19 JUL 2020 01:47:49

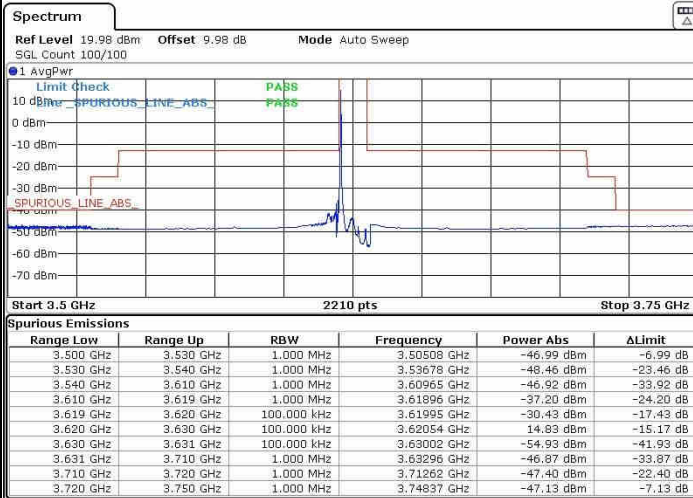


## LTE Band 48 / 10MHz

## QPSK

## MiddleChannel / 1RB0

## Middle Channel / 1RBmax



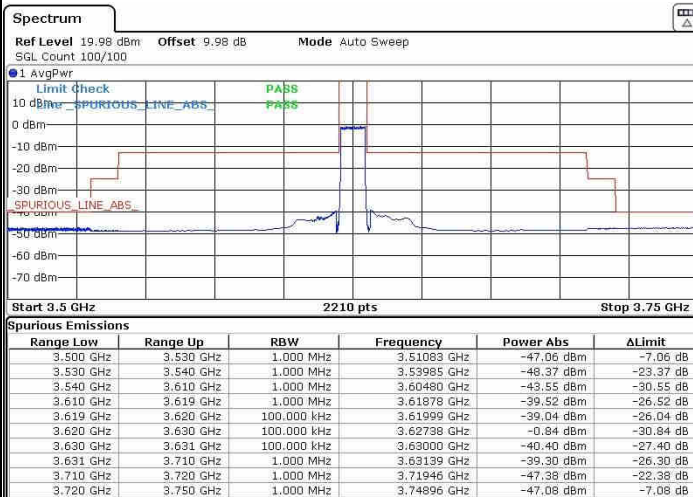
Date: 19 JUL 2020 02:08:22



Date: 19 JUL 2020 02:04:08

## Middle Channel / FullIRB

## N/A



Date: 19 JUL 2020 02:12:09

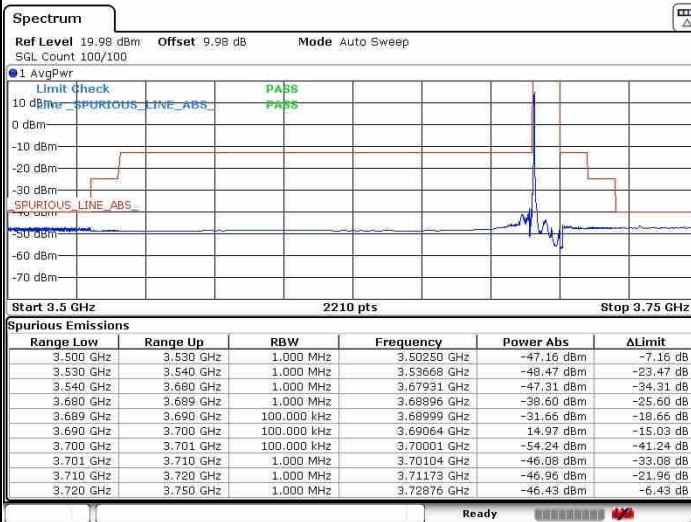


## LTE Band 48 / 10MHz

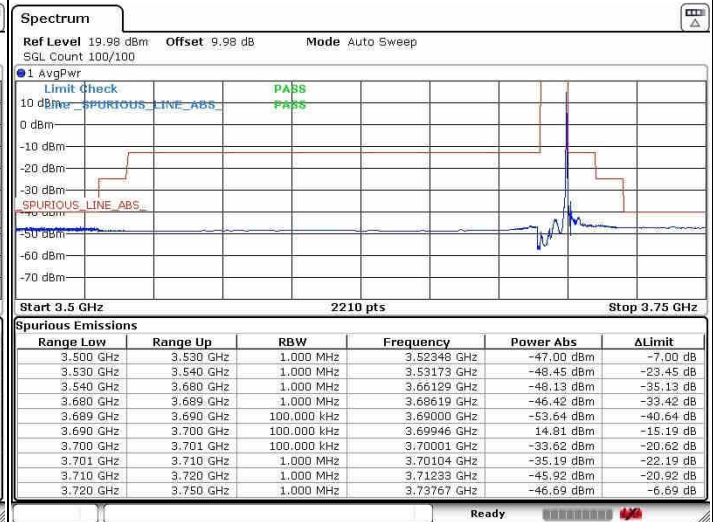
## QPSK

## Highest Channel / 1RB0

## Highest Channel / 1RBmax



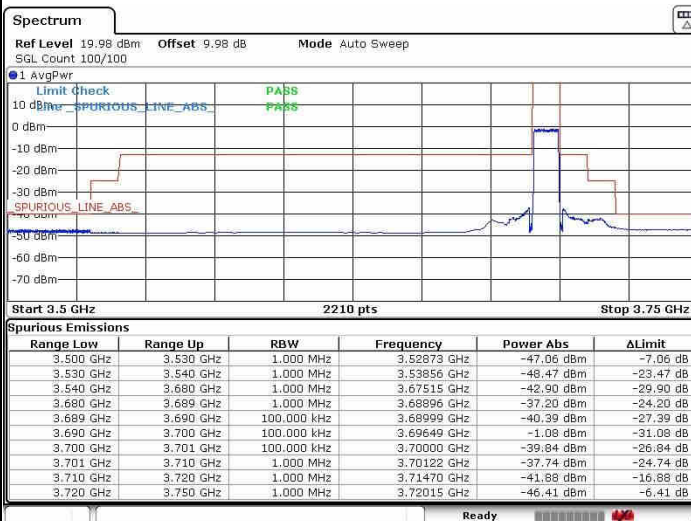
Date: 19 JUL 2020 02:21:05



Date: 19 JUL 2020 02:24:24

## Highest Channel / FullIRB

## N/A



Date: 19 JUL 2020 02:17:45

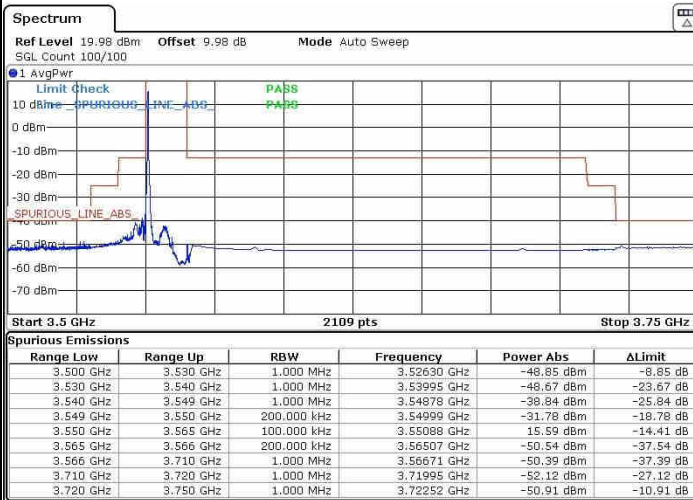


## LTE Band 48 / 15MHz

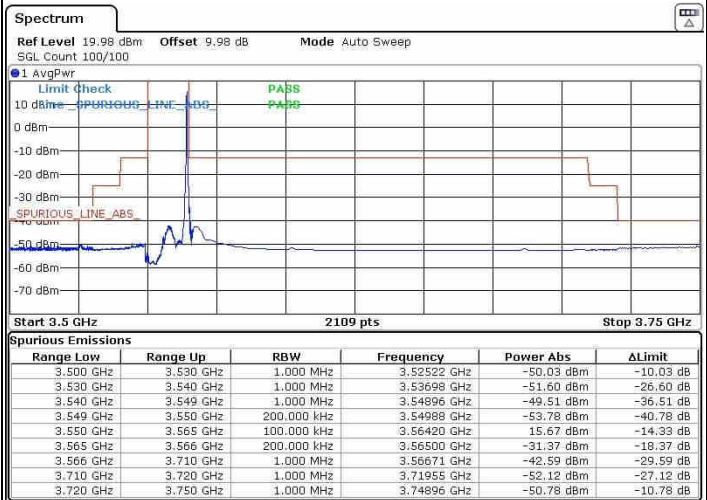
## QPSK

## Lowest Channel / 1RB0

## Lowest Channel / 1RBmax



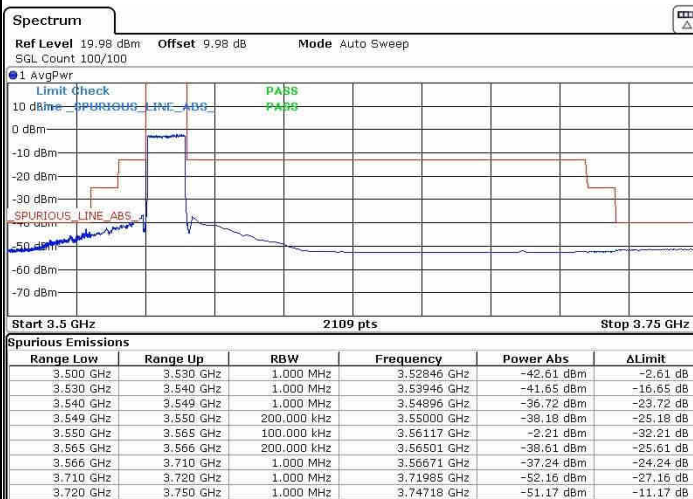
Date: 19 JUL 2020 00:38:39



Date: 19 JUL 2020 00:42:32

## Lowest Channel / FullRB

## N/A



Date: 19 JUL 2020 00:33:47

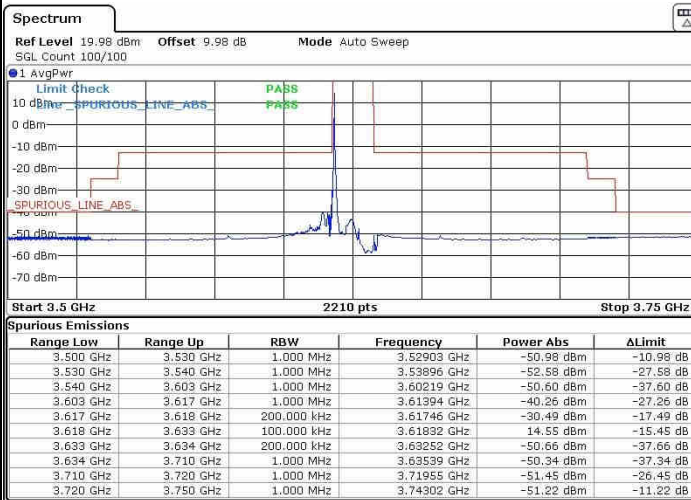


## LTE Band 48 / 15MHz

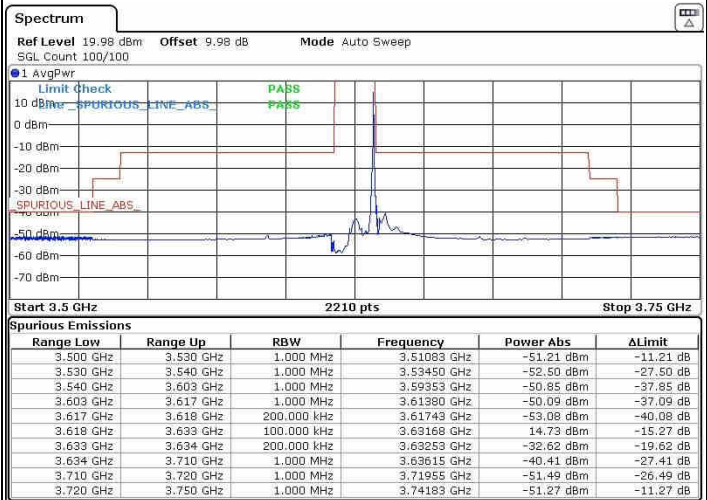
## QPSK

## Middle Channel / 1RB0

## Middle Channel / 1RBmax



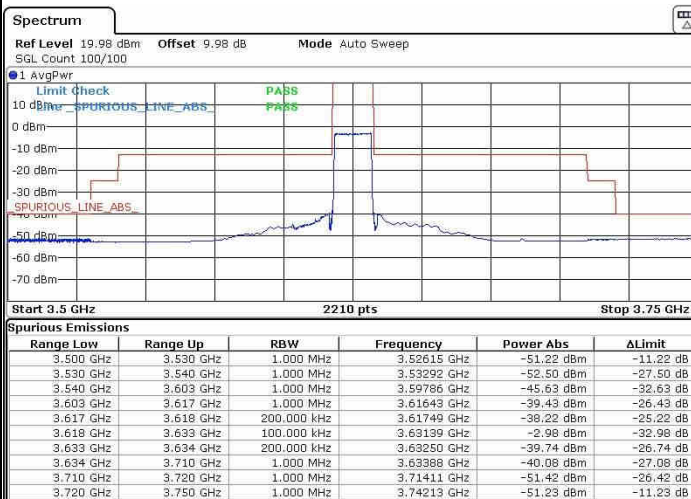
Date: 19.JUL.2020 00:56:42



Date: 19.JUL.2020 00:52:18

## Middle Channel / FullIRB

## N/A



Date: 19.JUL.2020 01:00:43

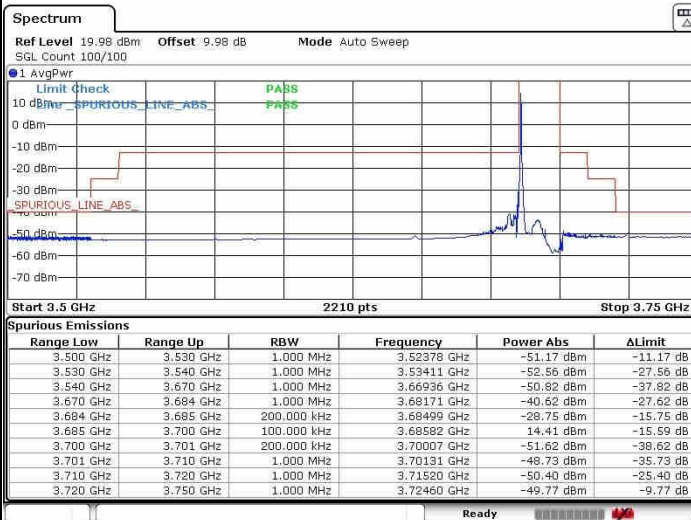


## LTE Band 48 / 15MHz

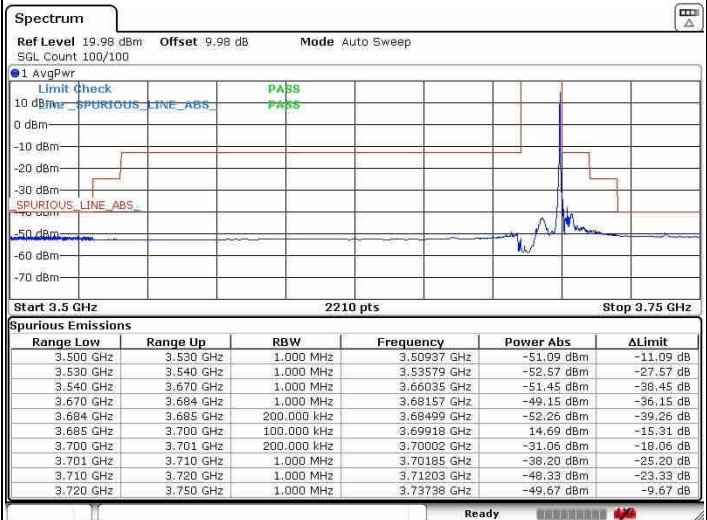
## QPSK

## Highest Channel / 1RB0

## Highest Channel / 1RBmax



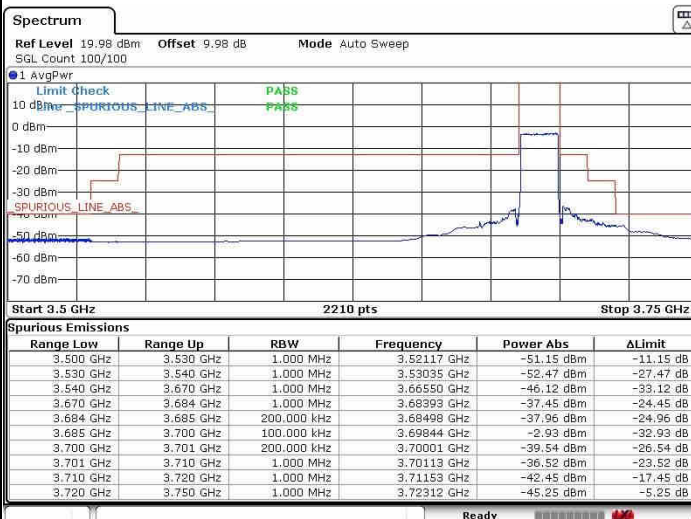
Date: 19.JUL.2020 01:12:02



Date: 19.JUL.2020 01:37:31

## Highest Channel / FullIRB

## N/A



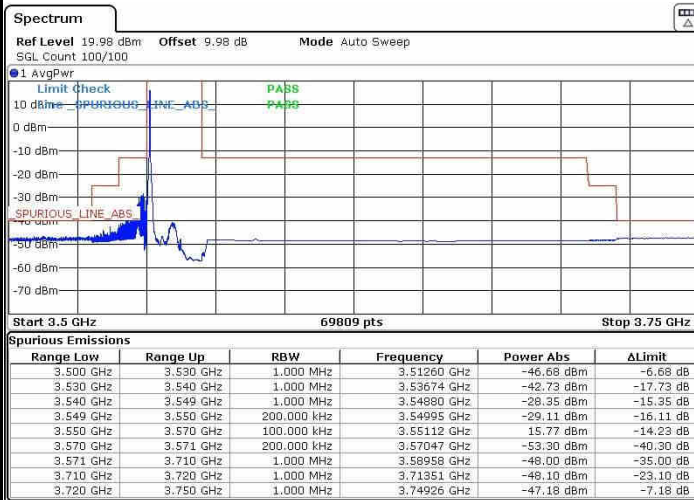
Date: 19.JUL.2020 01:07:45



## LTE Band 48 / 20MHz

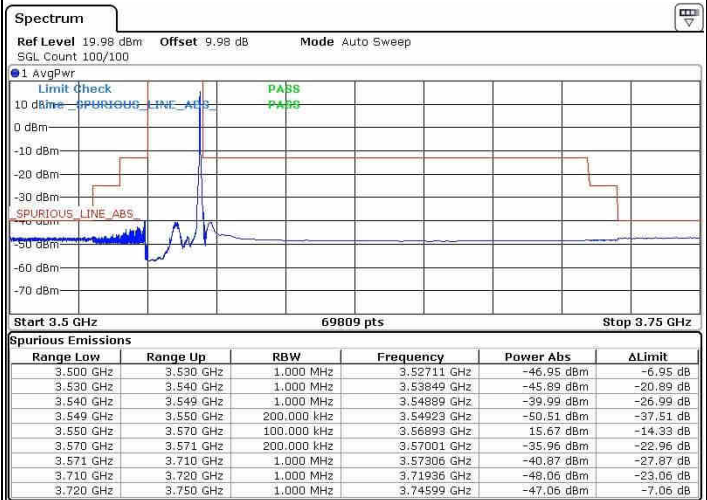
## QPSK

## Lowest Channel / 1RB0



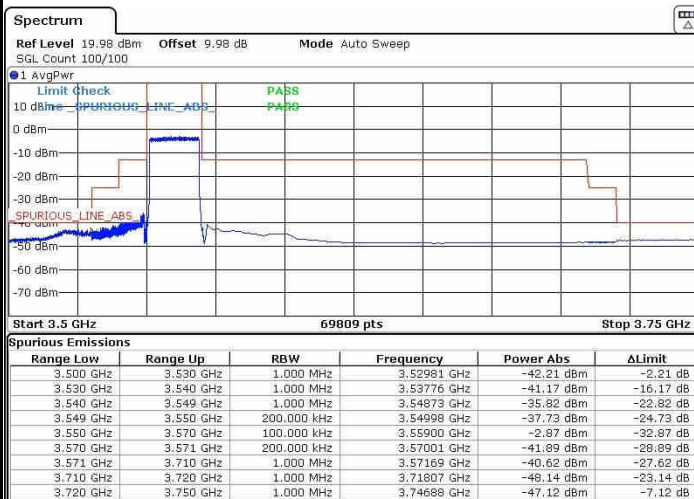
Date: 14.JUL.2020 22:44:44

## Lowest Channel / 1RBmax



Date: 14.JUL.2020 22:51:14

## Lowest Channel / FullRB



Date: 14.JUL.2020 22:39:20

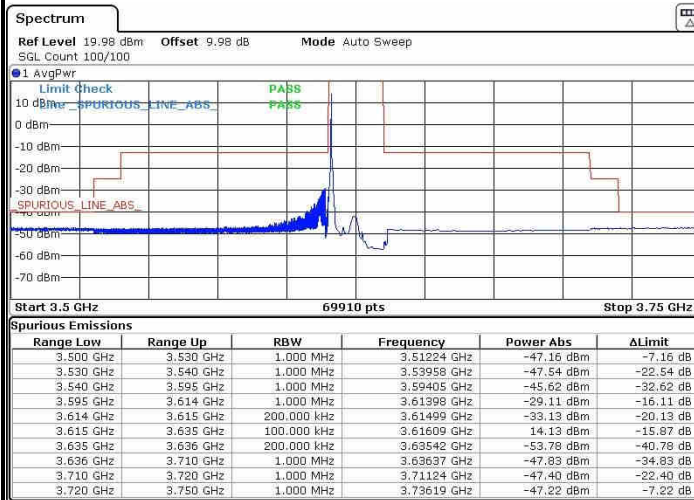
N/A



## LTE Band 48 / 20MHz

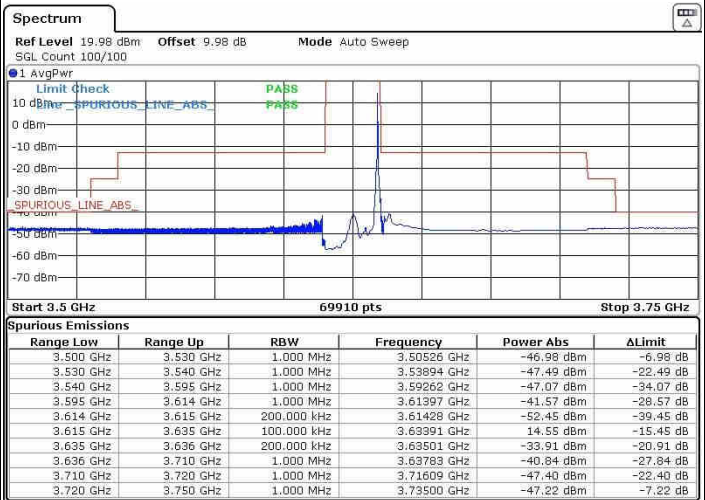
## QPSK

## Middle Channel / 1RB0



Date: 14.JUL.2020 23:07:48

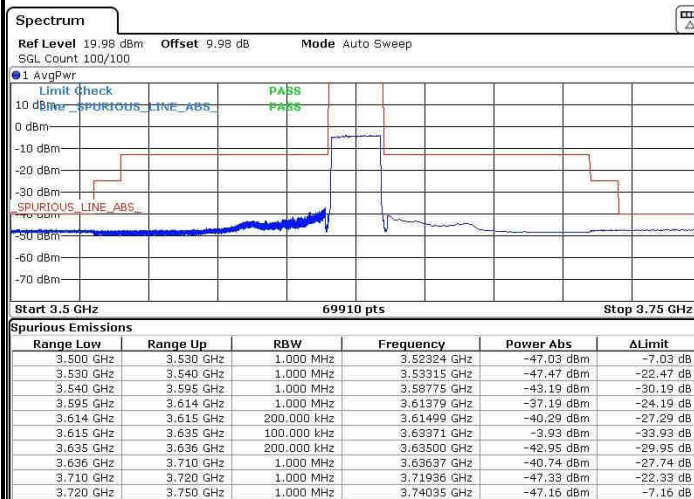
## Middle Channel / 1RBmax



Date: 14.JUL.2020 23:02:35

## Middle Channel / FullRB

N/A



Date: 14.JUL.2020 23:13:47

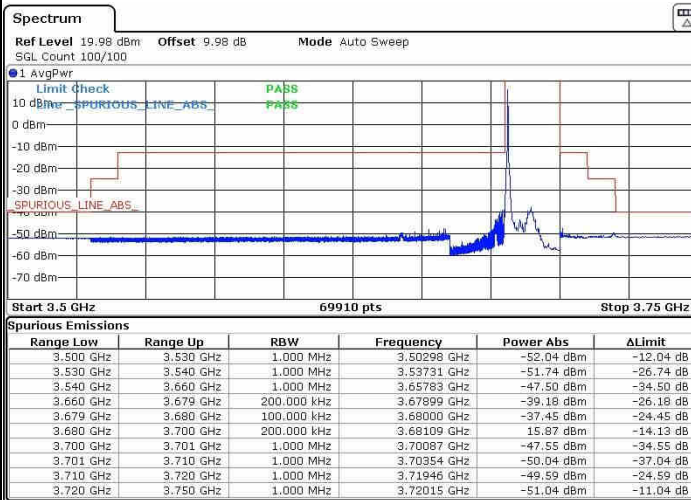


## LTE Band 48 / 20MHz

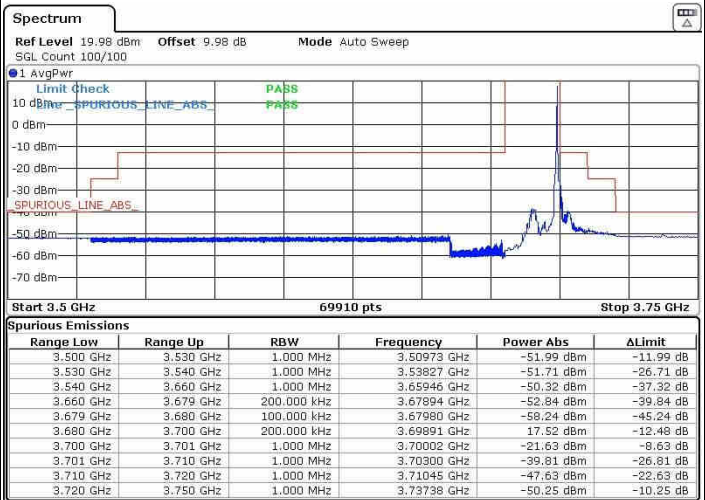
## QPSK

## Highest Channel / 1RB0

## Highest Channel / 1RBmax



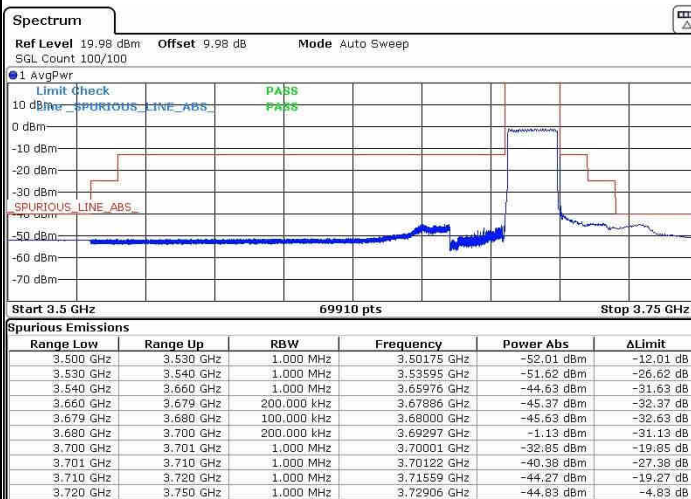
Date: 14.JUL.2020 23:29:04



Date: 14.JUL.2020 23:34:04

## Highest Channel / FullIRB

## N/A



Date: 14.JUL.2020 23:22:38

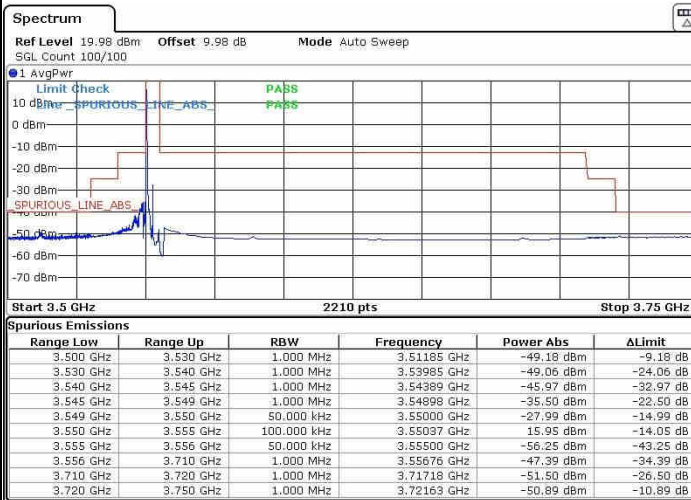


## LTE Band 48 / 5MHz

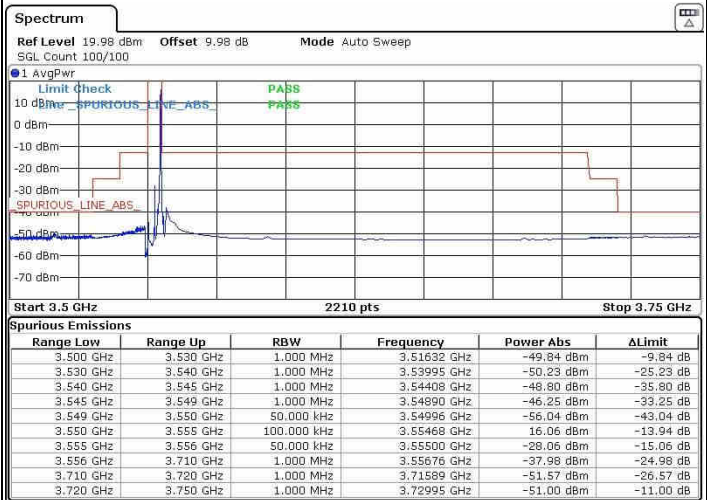
## 16QAM

## Lowest Channel / 1RB0

## Lowest Channel / 1RBmax



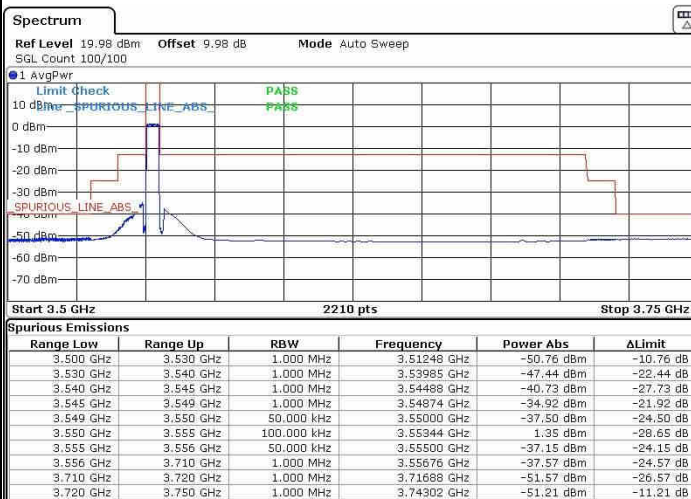
Date: 19 JUL 2020 03:21:36



Date: 19 JUL 2020 03:24:59

## Lowest Channel / FullRB

## N/A



Date: 19 JUL 2020 03:18:11

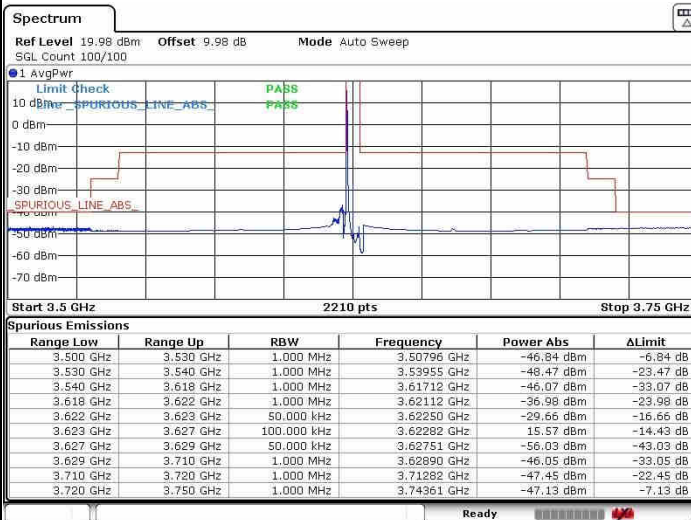


## LTE Band 48 / 5MHz

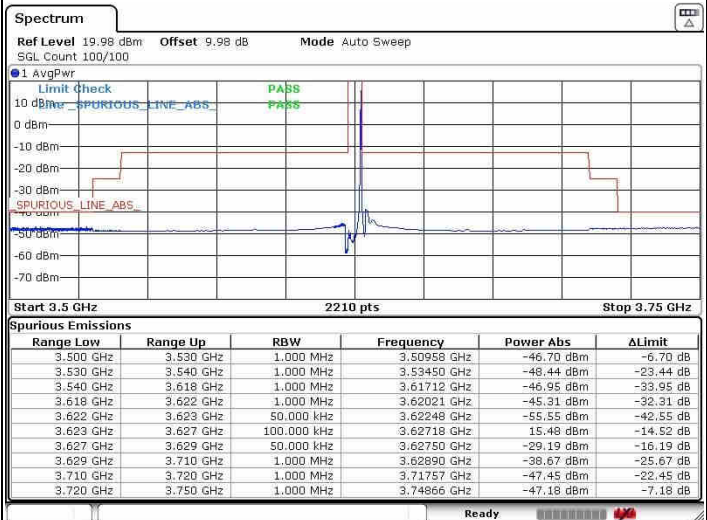
## 16QAM

## Middle Channel / 1RB0

## Middle Channel / 1RBmax



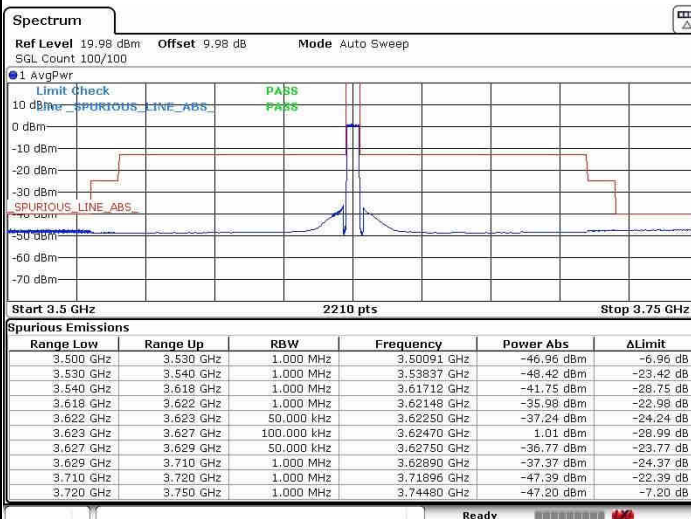
Date: 19.JUL.2020 03:04:26



Date: 19.JUL.2020 03:01:09

## Middle Channel / FullIRB

## N/A



Date: 19.JUL.2020 03:08:17

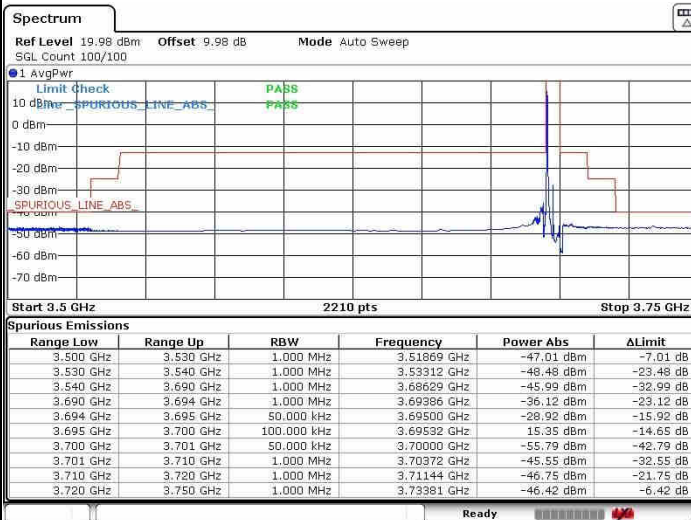


## LTE Band 48 / 5MHz

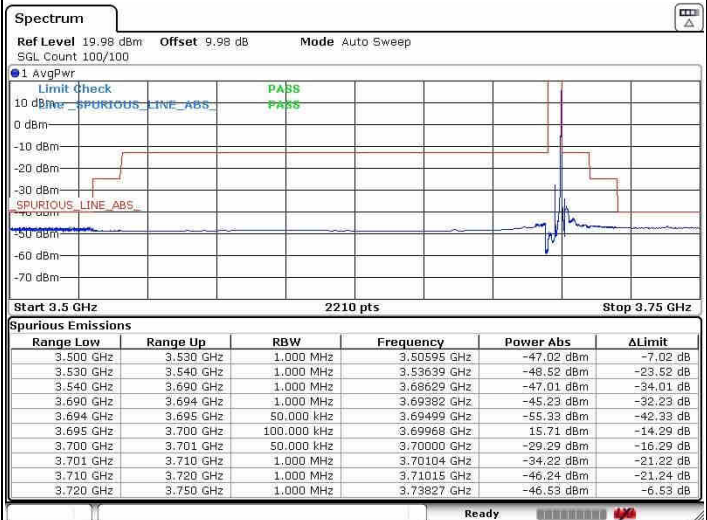
## 16QAM

## Highest Channel / 1RB0

## Highest Channel / 1RBmax



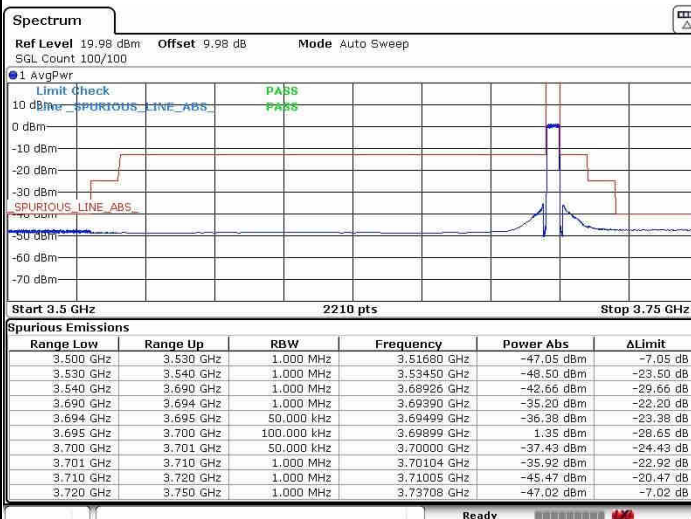
Date: 19 JUL 2020 02:49:31



Date: 19 JUL 2020 02:53:09

## Highest Channel / FullIRB

## N/A



Date: 19 JUL 2020 02:46:11



## LTE Band 48 / 10MHz

## 16QAM

## Lowest Channel / 1RB0

## Lowest Channel / 1RBmax



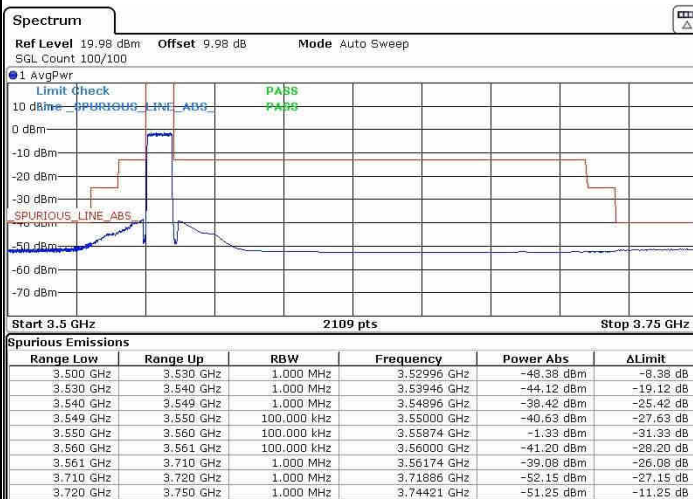
Date: 19 JUL 2020 01:52:54



Date: 19 JUL 2020 01:57:33

## Lowest Channel / FullRB

## N/A



Date: 19 JUL 2020 01:48:57

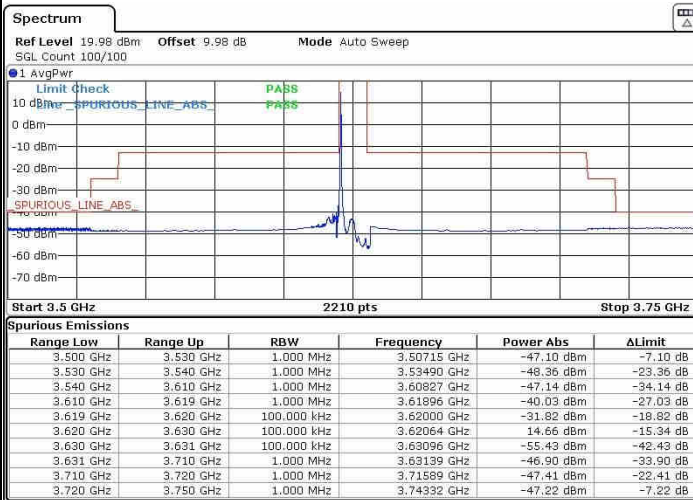


## LTE Band 48 / 10MHz

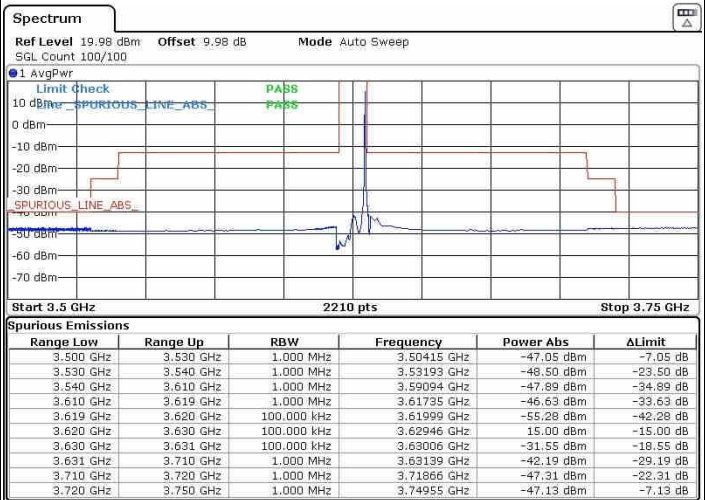
## 16QAM

## MiddleChannel / 1RB0

## Middle Channel / 1RBmax



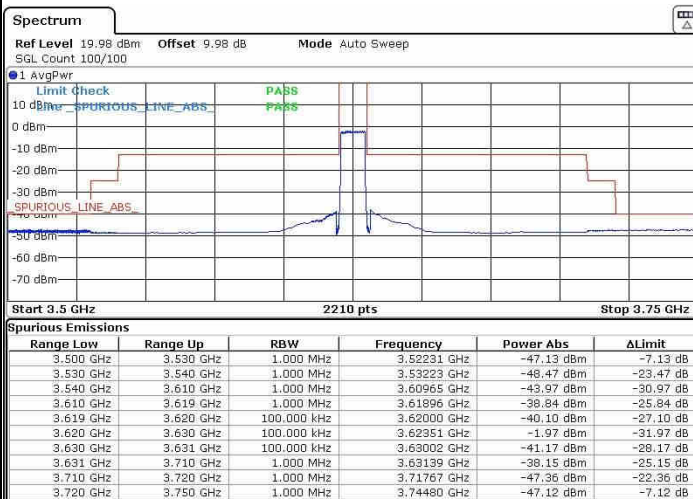
Date: 19.JUL.2020 02:09:12



Date: 19.JUL.2020 02:05:49

## Middle Channel / FullIRB

## N/A



Date: 19.JUL.2020 02:12:58