



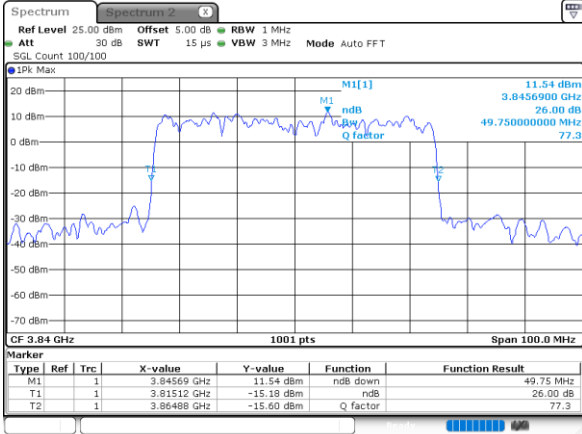
FR1 UL-MIMO n77 / 50MHz / CP-OFDM (Ant5)

QPSK

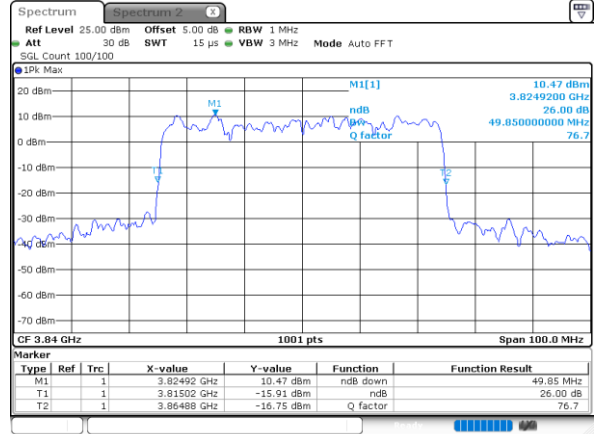
16QAM

Middle Channel

Middle Channel



Date: 29\_JUN.2021 00:43:27



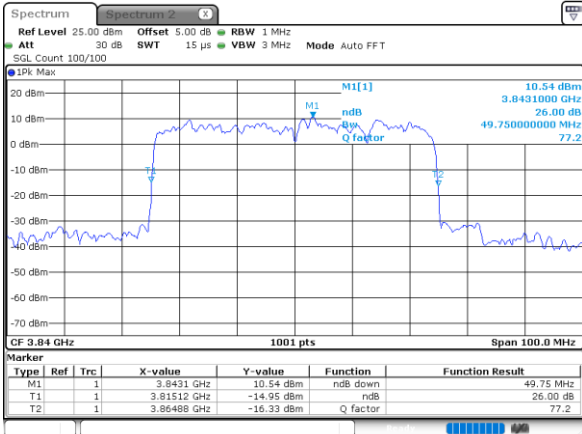
Date: 29\_JUN.2021 00:43:11

64QAM

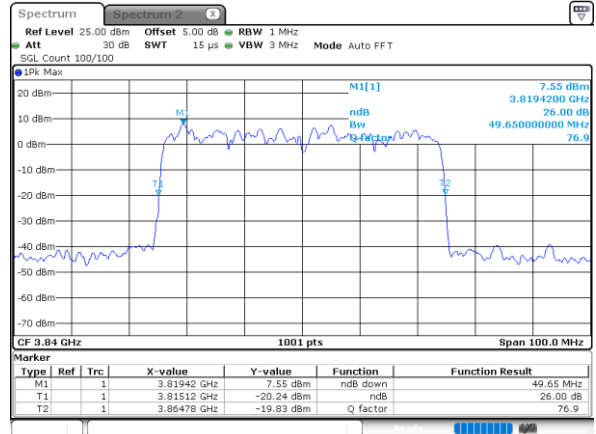
256QAM

Middle Channel

Middle Channel



Date: 29\_JUN.2021 00:42:55



Date: 29\_JUN.2021 00:42:38



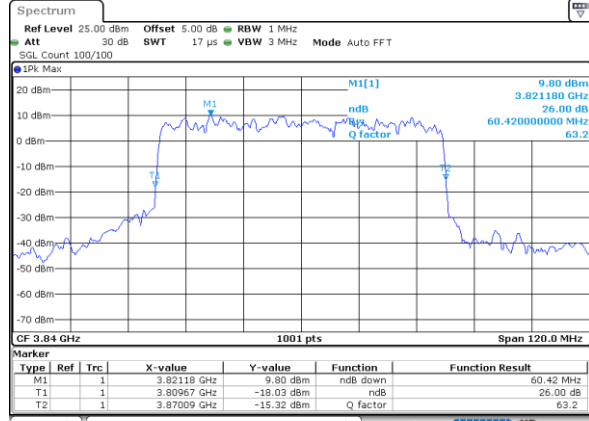
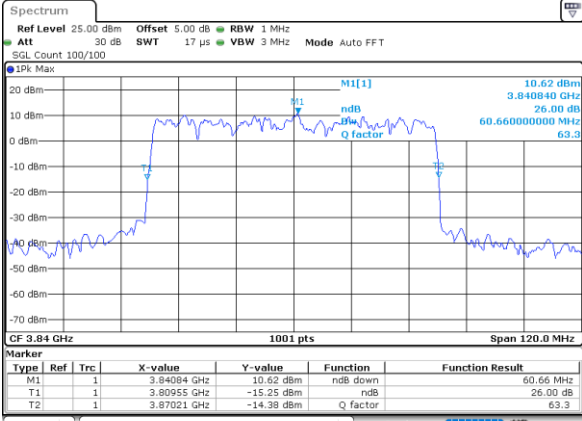
FR1 UL-MIMO n77 / 60MHz / CP-OFDM (Ant3)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 22 JUN 2021 20:29:53

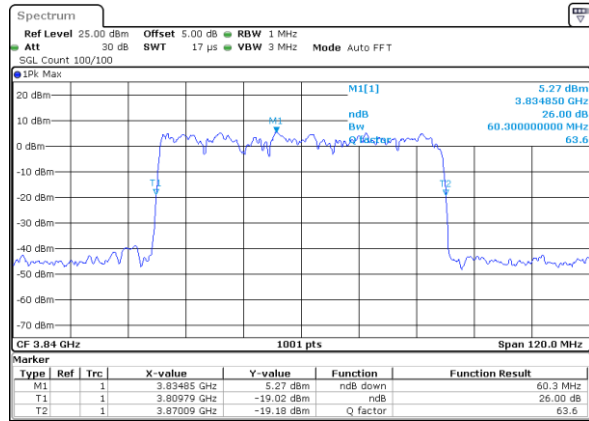
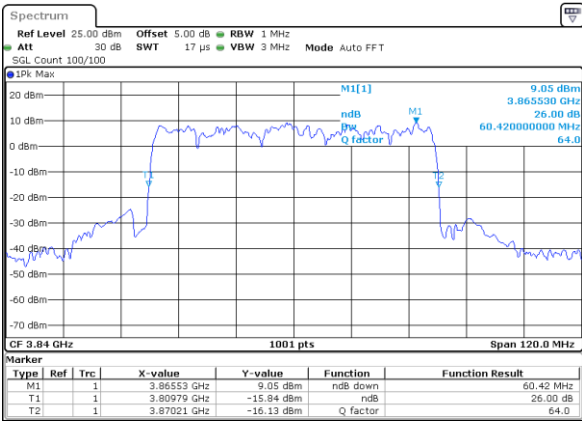
Date: 22 JUN 2021 20:29:36

64QAM

256QAM

Middle Channel

Middle Channel



Date: 22 JUN 2021 20:29:19

Date: 22 JUN 2021 20:29:00



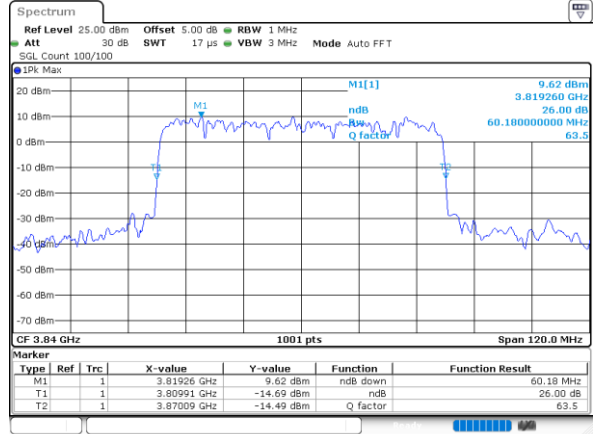
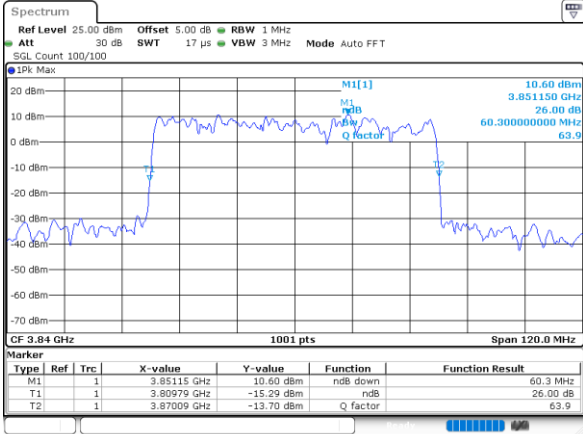
FR1 UL-MIMO n77 / 60MHz / CP-OFDM (Ant5)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 23 JUN 2021 00:40:33

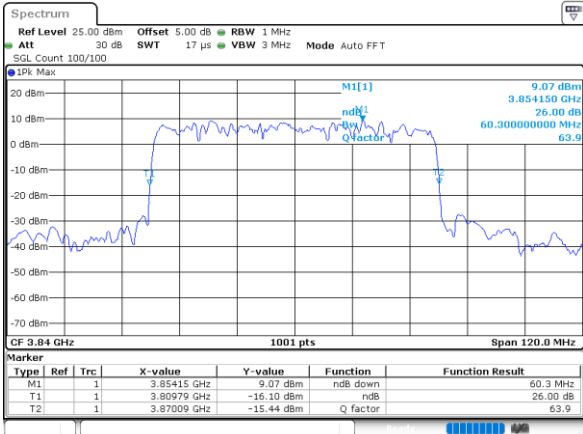
Date: 23 JUN 2021 00:40:18

64QAM

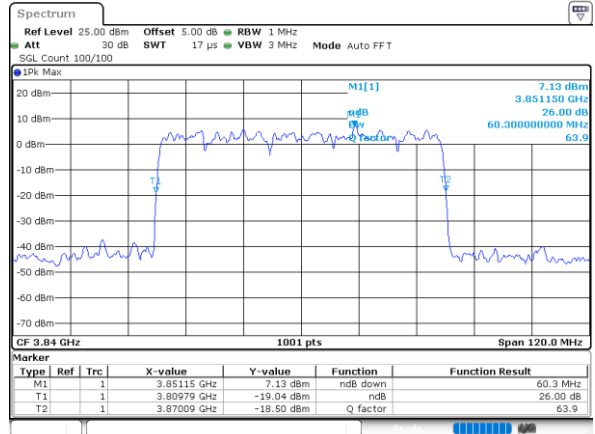
256QAM

Middle Channel

Middle Channel



Date: 23 JUN 2021 00:40:02



Date: 23 JUN 2021 00:39:46



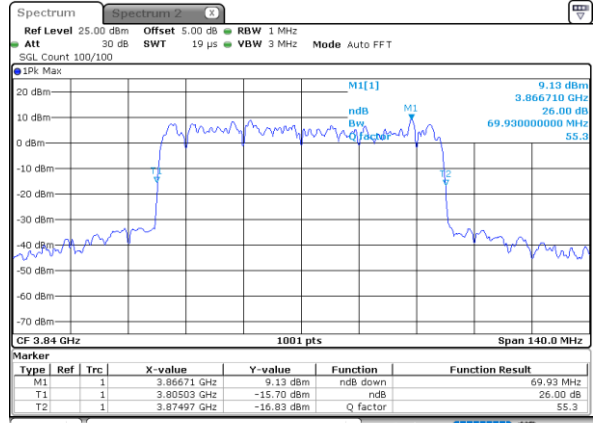
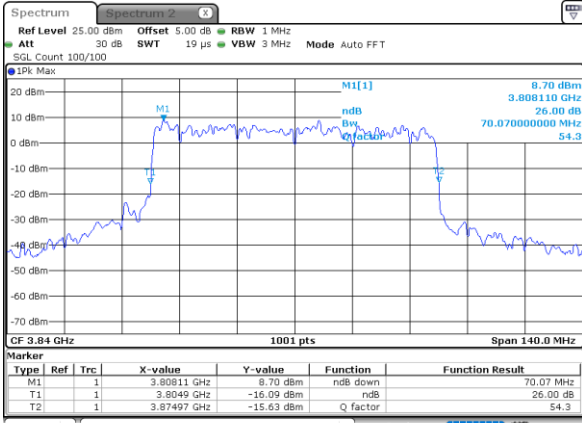
FR1 UL-MIMO n77 / 70MHz / CP-OFDM (Ant3)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 28\_JUN,2021 23:21:28

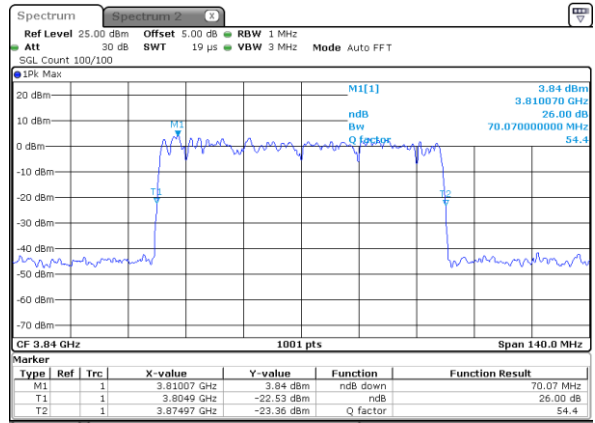
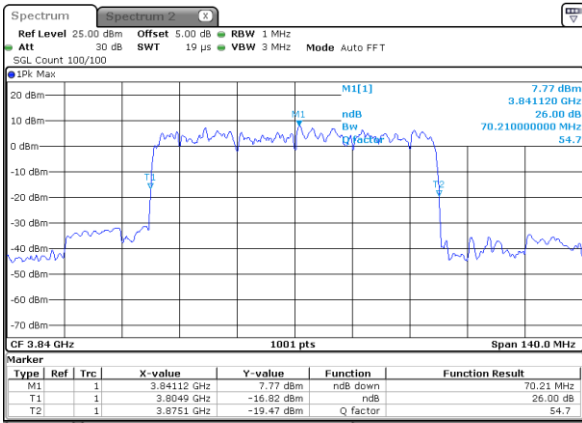
Date: 28\_JUN,2021 23:21:57

64QAM

256QAM

Middle Channel

Middle Channel



Date: 28\_JUN,2021 23:22:25

Date: 28\_JUN,2021 23:23:10



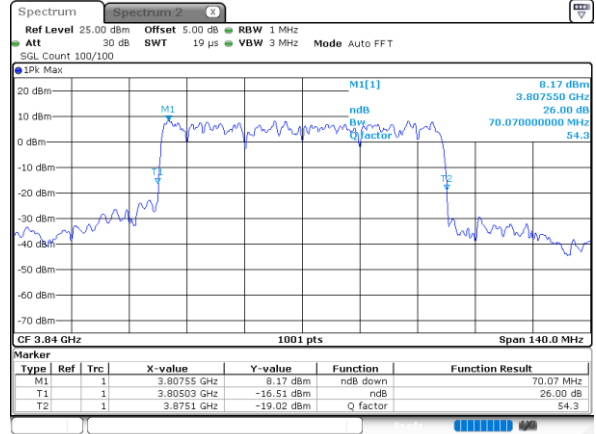
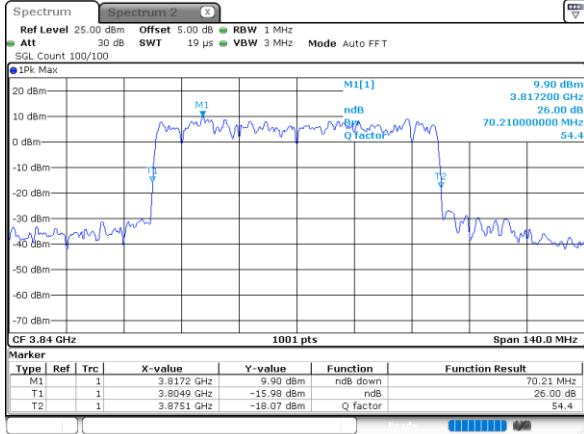
FR1 UL-MIMO n77 / 70MHz / CP-OFDM (Ant5)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 29 JUN 2021 00:40:36

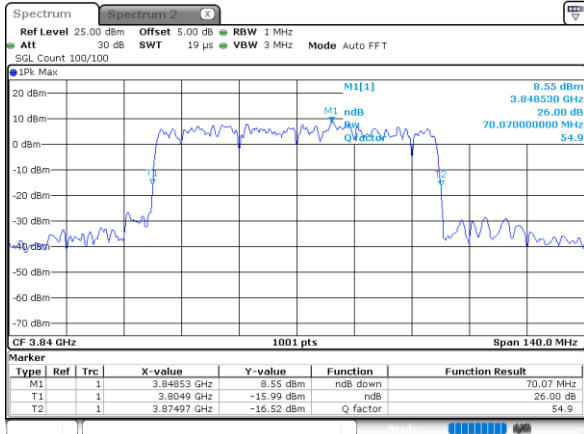
Date: 29 JUN 2021 00:41:02

64QAM

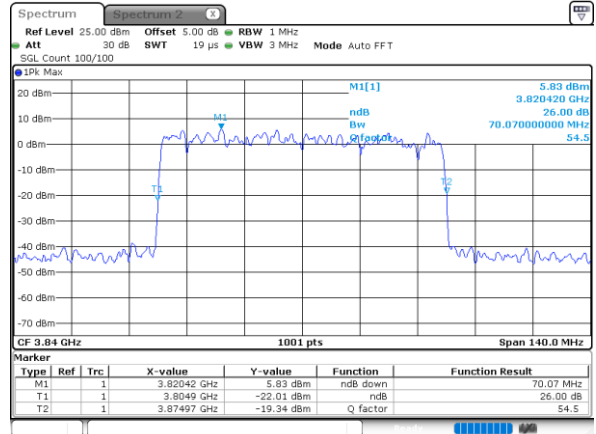
256QAM

Middle Channel

Middle Channel



Date: 29 JUN 2021 00:41:33



Date: 29 JUN 2021 00:42:02



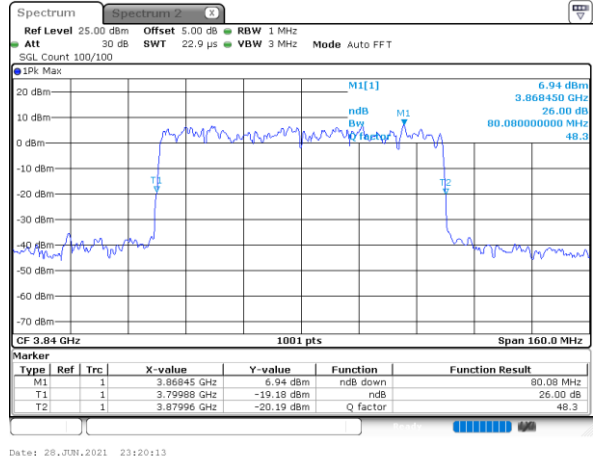
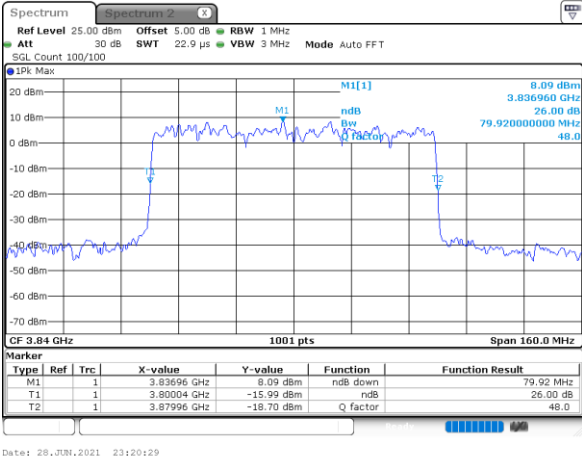
FR1 UL-MIMO n77 / 80MHz / CP-OFDM (Ant3)

QPSK

16QAM

Middle Channel

Middle Channel

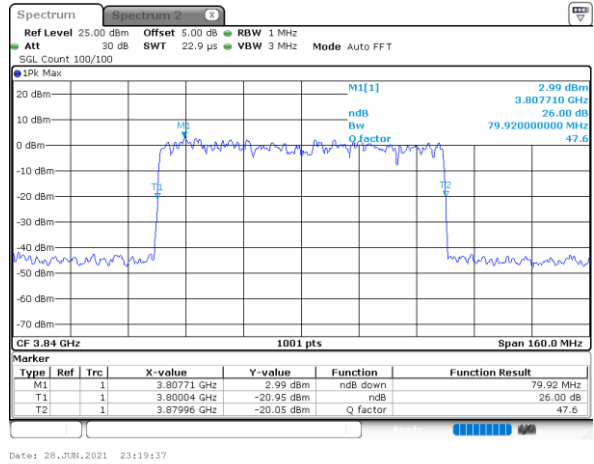
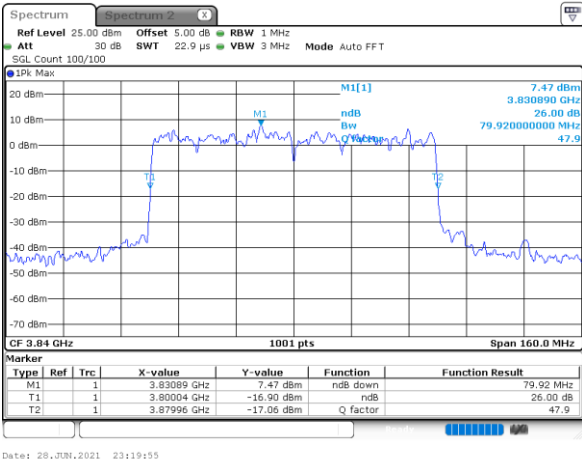


64QAM

256QAM

Middle Channel

Middle Channel





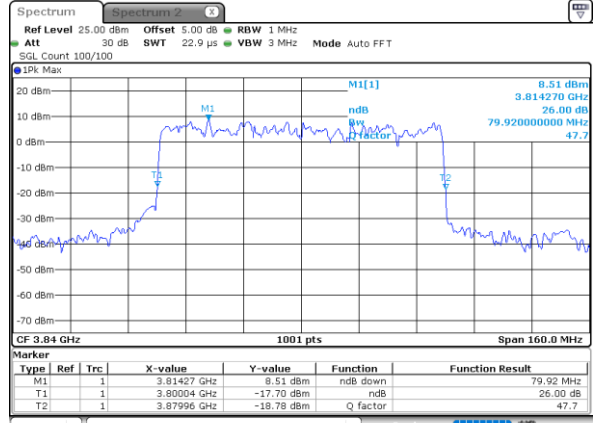
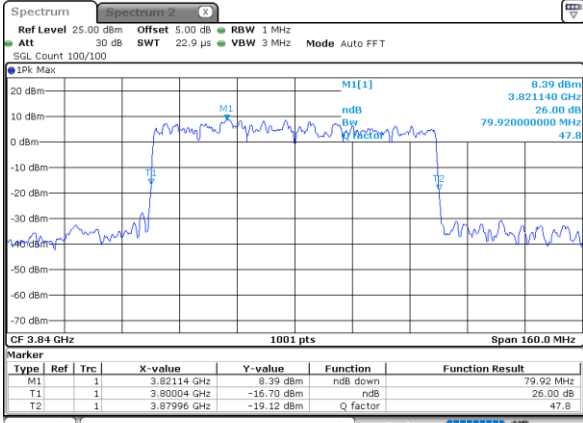
FR1 UL-MIMO n77 / 80MHz / CP-OFDM (Ant5)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 29\_JUN\_2021 00:13:47

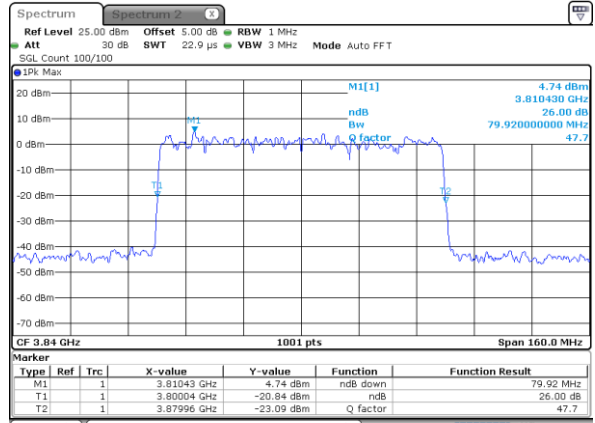
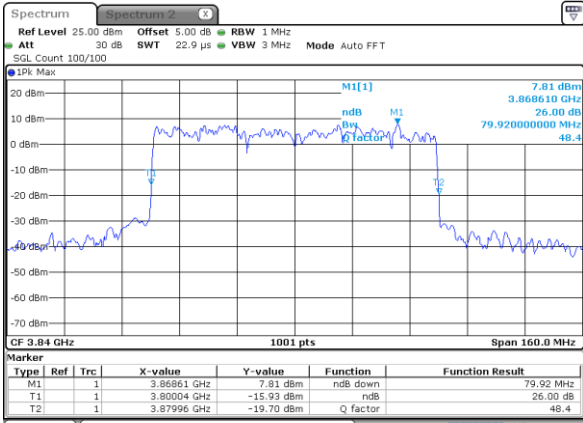
Date: 29\_JUN\_2021 00:13:11

64QAM

256QAM

Middle Channel

Middle Channel



Date: 29\_JUN\_2021 00:13:07

Date: 29\_JUN\_2021 00:13:45



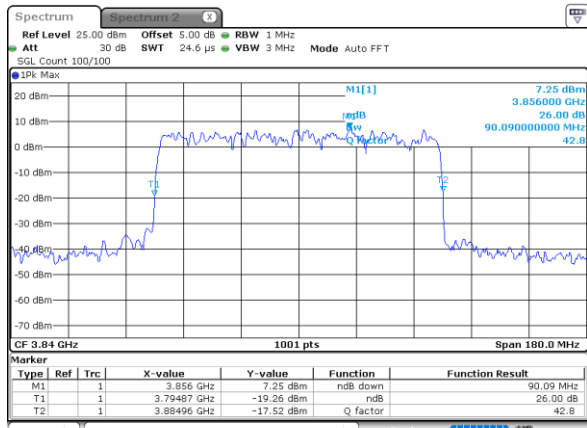
FR1 UL-MIMO n77 / 90MHz / CP-OFDM (Ant3)

QPSK

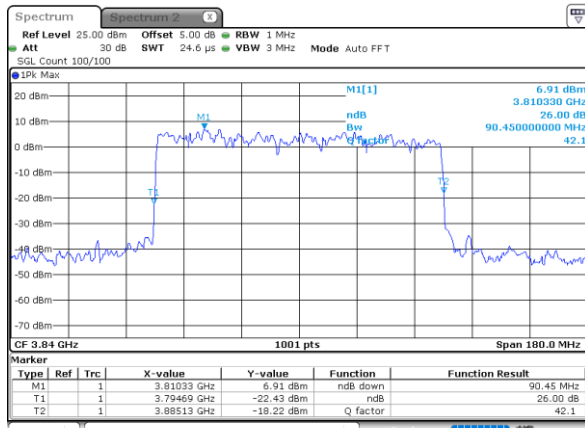
16QAM

Middle Channel

Middle Channel



Date: 28 JUN 2021 23:15:52



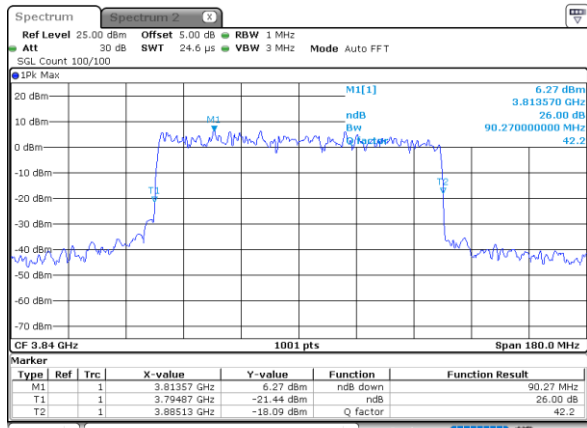
Date: 28 JUN 2021 23:17:34

64QAM

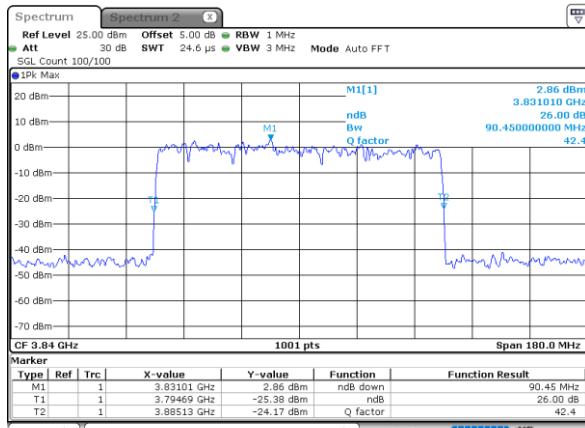
256QAM

Middle Channel

Middle Channel



Date: 28 JUN 2021 23:17:50



Date: 28 JUN 2021 23:18:12





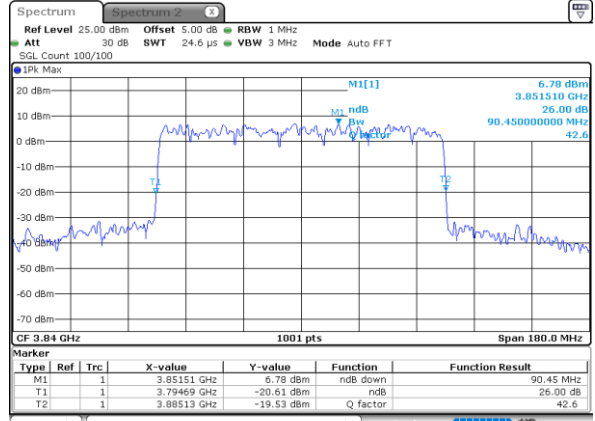
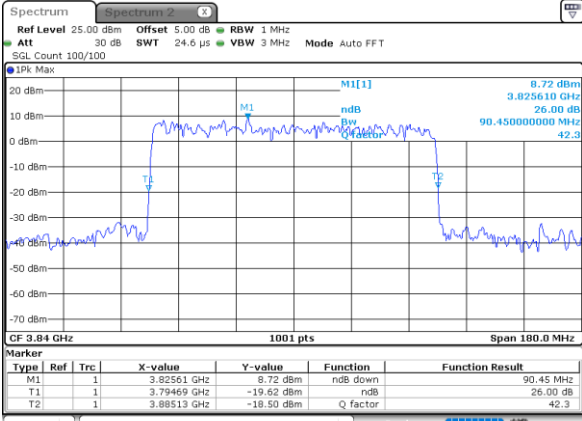
FR1 UL-MIMO n77 / 90MHz / CP-OFDM (Ant5)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 29 JUN 2021 00:37:22

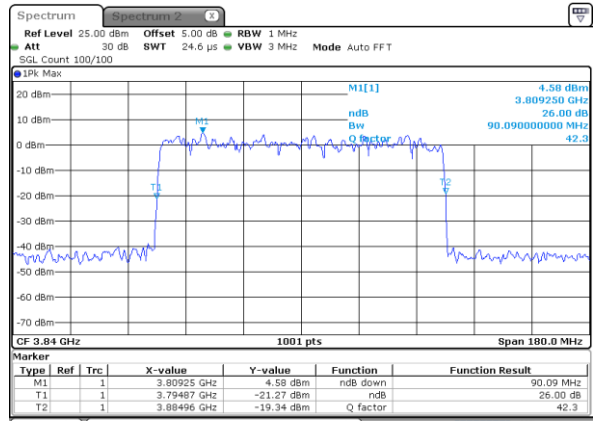
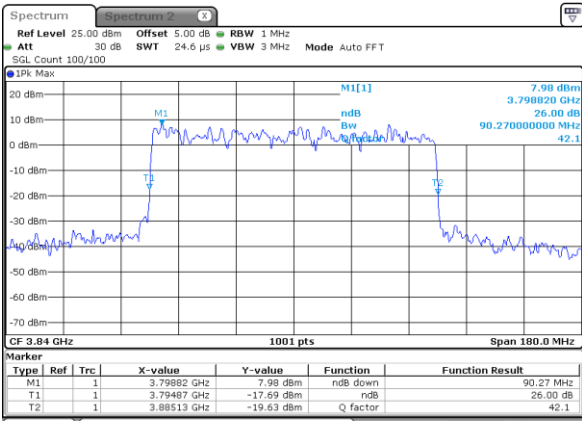
Date: 29 JUN 2021 00:37:41

64QAM

256QAM

Middle Channel

Middle Channel



Date: 29 JUN 2021 00:37:59

Date: 29 JUN 2021 00:38:17



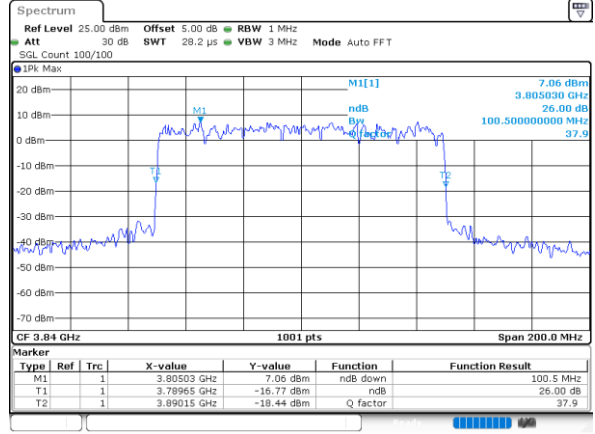
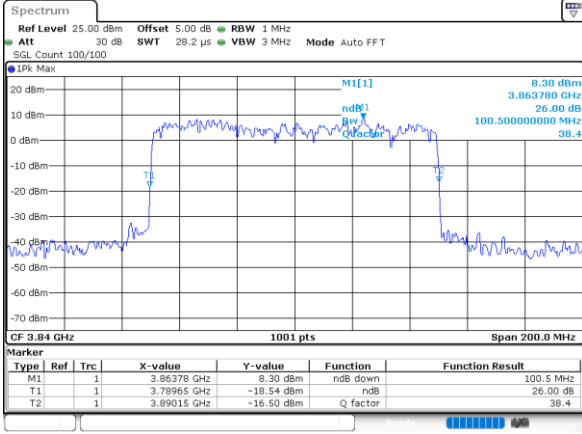
FR1 UL-MIMO n77 / 100MHz / CP-OFDM (Ant3)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 22 JUN 2021 11:21:53

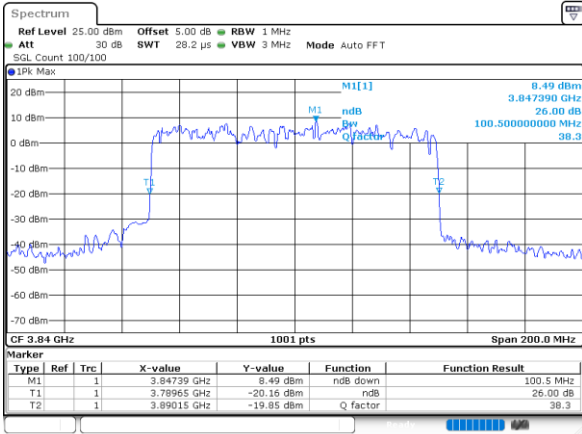
Date: 22 JUN 2021 11:22:22

64QAM

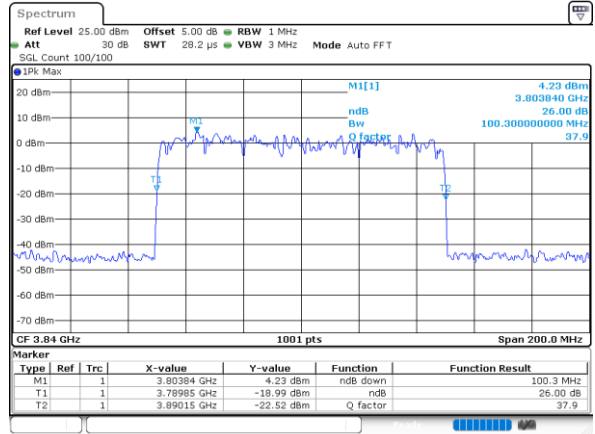
256QAM

Middle Channel

Middle Channel



Date: 22 JUN 2021 11:23:25



Date: 22 JUN 2021 11:23:59



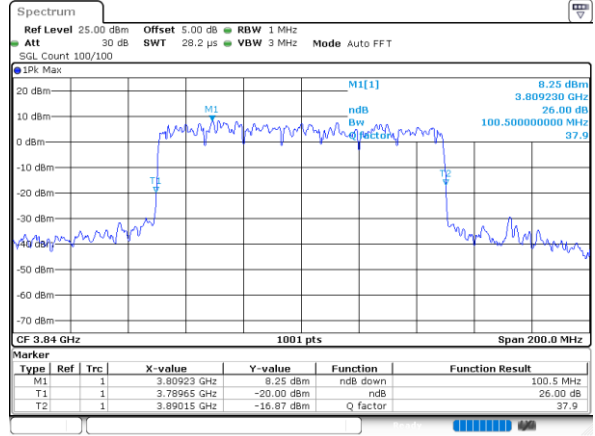
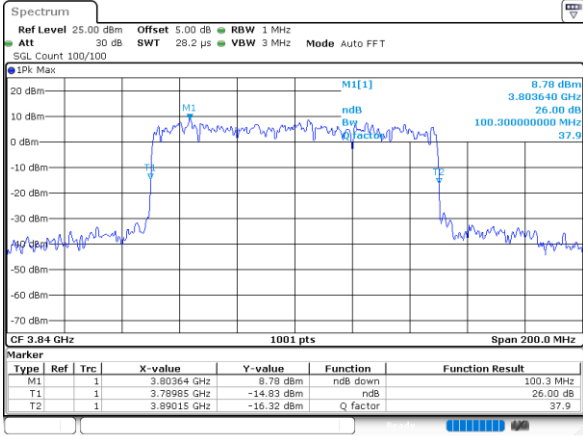
FR1 UL-MIMO n77 / 100MHz / CP-OFDM (Ant5)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 23 JUN 2021 00:42:49

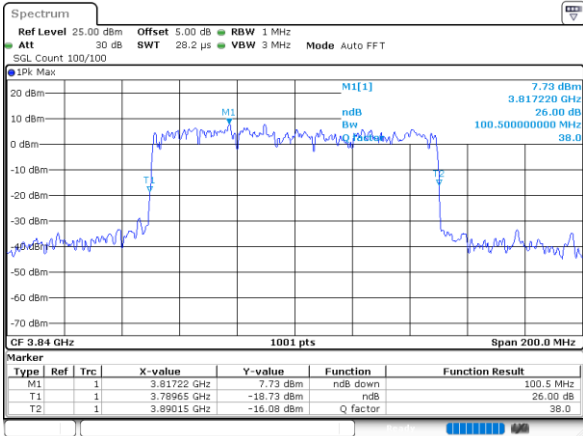
Date: 23 JUN 2021 00:43:06

64QAM

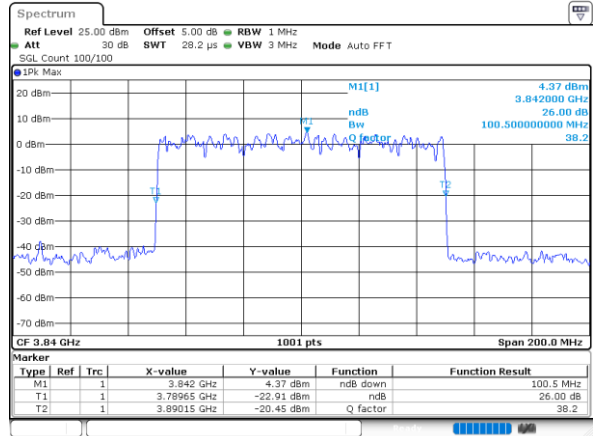
256QAM

Middle Channel

Middle Channel



Date: 23 JUN 2021 00:43:26



Date: 23 JUN 2021 00:43:43



## Occupied Bandwidth

| Mode      | FR1 UL-MIMO n77 : OBW(20MHz) / CP-OFDM |       |       |        |       |       |       |        |
|-----------|--|-------|-------|--------|-------|-------|-------|--------|
|           | Ant3                                   |       |       |        | Ant5  |       |       |        |
| BW        | 20MHz                                  | 20MHz | 20MHz | 20MHz  | 20MHz | 20MHz | 20MHz | 20MHz  |
| Mod.      | QPSK                                   | 16QAM | 64QAM | 256QAM | QPSK  | 16QAM | 64QAM | 256QAM |
| Middle CH | 18.22                                  | 18.30 | 18.22 | 18.30  | 18.26 | 18.18 | 18.30 | 18.30  |

| Mode      | FR1 UL-MIMO n77 : OBW(30MHz) / CP-OFDM |       |       |        |       |       |       |        |
|-----------|--|-------|-------|--------|-------|-------|-------|--------|
|           | Ant3                                   |       |       |        | Ant5  |       |       |        |
| BW        | 30MHz                                  | 30MHz | 30MHz | 30MHz  | 30MHz | 30MHz | 30MHz | 30MHz  |
| Mod.      | QPSK                                   | 16QAM | 64QAM | 256QAM | QPSK  | 16QAM | 64QAM | 256QAM |
| Middle CH | 27.81                                  | 27.75 | 27.63 | 27.81  | 27.87 | 27.87 | 27.81 | 27.75  |

| Mode      | FR1 UL-MIMO n77 : OBW(40MHz) / CP-OFDM |       |       |        |       |       |       |        |
|-----------|--|-------|-------|--------|-------|-------|-------|--------|
|           | Ant3                                   |       |       |        | Ant5  |       |       |        |
| BW        | 40MHz                                  | 40MHz | 40MHz | 40MHz  | 40MHz | 40MHz | 40MHz | 40MHz  |
| Mod.      | QPSK                                   | 16QAM | 64QAM | 256QAM | QPSK  | 16QAM | 64QAM | 256QAM |
| Middle CH | 38.20                                  | 37.88 | 37.04 | 38.80  | 37.96 | 37.80 | 37.48 | 38.28  |

| Mode      | FR1 UL-MIMO n77 : OBW(50MHz) / CP-OFDM |       |       |        |       |       |       |        |
|-----------|--|-------|-------|--------|-------|-------|-------|--------|
|           | Ant3                                   |       |       |        | Ant5  |       |       |        |
| BW        | 50MHz                                  | 50MHz | 50MHz | 50MHz  | 50MHz | 50MHz | 50MHz | 50MHz  |
| Mod.      | QPSK                                   | 16QAM | 64QAM | 256QAM | QPSK  | 16QAM | 64QAM | 256QAM |
| Middle CH | 47.75                                  | 47.55 | 47.6  | 47.4   | 47.65 | 47.35 | 47.56 | 47.55  |

| Mode      | FR1 UL-MIMO n77 : OBW(60MHz) / CP-OFDM |       |       |        |       |       |       |        |
|-----------|--|-------|-------|--------|-------|-------|-------|--------|
|           | Ant3                                   |       |       |        | Ant5  |       |       |        |
| BW        | 60MHz                                  | 60MHz | 60MHz | 60MHz  | 60MHz | 60MHz | 60MHz | 60MHz  |
| Mod.      | QPSK                                   | 16QAM | 64QAM | 256QAM | QPSK  | 16QAM | 64QAM | 256QAM |
| Middle CH | 57.78                                  | 58.14 | 58.14 | 57.78  | 58.02 | 57.66 | 58.14 | 57.78  |

| Mode      | FR1 UL-MIMO n77 : OBW(70MHz) / CP-OFDM |       |       |        |       |       |       |        |
|-----------|--|-------|-------|--------|-------|-------|-------|--------|
|           | Ant3                                   |       |       |        | Ant5  |       |       |        |
| BW        | 70MHz                                  | 70MHz | 70MHz | 70MHz  | 70MHz | 70MHz | 70MHz | 70MHz  |
| Mod.      | QPSK                                   | 16QAM | 64QAM | 256QAM | QPSK  | 16QAM | 64QAM | 256QAM |
| Middle CH | 67.55                                  | 67.69 | 67.13 | 67.69  | 67.55 | 67.83 | 67.41 | 66.71  |



| Mode      | FR1 UL-MIMO n77 : OBW(80MHz) / CP-OFDM |       |       |        |       |       |       |        |
|-----------|--|-------|-------|--------|-------|-------|-------|--------|
|           | Ant3                                   |       |       |        | Ant5  |       |       |        |
| BW        | 80MHz                                  | 80MHz | 80MHz | 80MHz  | 80MHz | 80MHz | 80MHz | 80MHz  |
| Mod.      | QPSK                                   | 16QAM | 64QAM | 256QAM | QPSK  | 16QAM | 64QAM | 256QAM |
| Middle CH | 77.04                                  | 77.52 | 77.68 | 77.52  | 77.04 | 77.68 | 77.68 | 77.52  |

| Mode      | FR1 UL-MIMO n77 : OBW(90MHz) / CP-OFDM |       |       |        |       |       |       |        |
|-----------|--|-------|-------|--------|-------|-------|-------|--------|
|           | Ant3                                   |       |       |        | Ant5  |       |       |        |
| BW        | 90MHz                                  | 90MHz | 90MHz | 90MHz  | 90MHz | 90MHz | 90MHz | 90MHz  |
| Mod.      | QPSK                                   | 16QAM | 64QAM | 256QAM | QPSK  | 16QAM | 64QAM | 256QAM |
| Middle CH | 87.39                                  | 87.39 | 87.21 | 87.21  | 86.85 | 87.57 | 87.21 | 87.39  |

| Mode      | FR1 UL-MIMO n77 : OBW(100MHz) / CP-OFDM |        |        |        |        |        |        |        |
|-----------|---|--------|--------|--------|--------|--------|--------|--------|
|           | Ant3                                    |        |        |        | Ant5   |        |        |        |
| BW        | 100MHz                                  | 100MHz | 100MHz | 100MHz | 100MHz | 100MHz | 100MHz | 100MHz |
| Mod.      | QPSK                                    | 16QAM  | 64QAM  | 256QAM | QPSK   | 16QAM  | 64QAM  | 256QAM |
| Middle CH | 97.10                                   | 97.30  | 97.30  | 97.10  | 97.30  | 97.30  | 97.30  | 97.30  |



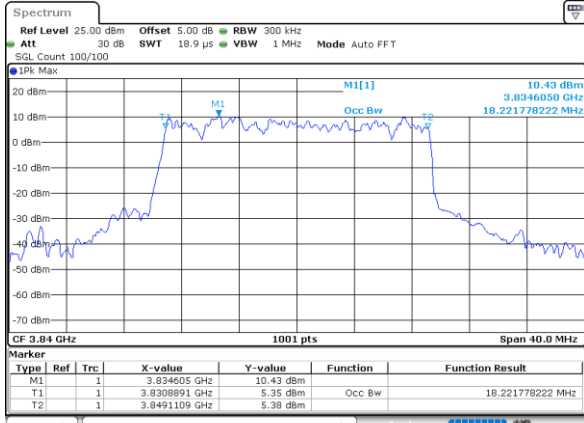
FR1 UL-MIMO n77 / 20MHz / CP-OFDM (Ant3)

QPSK

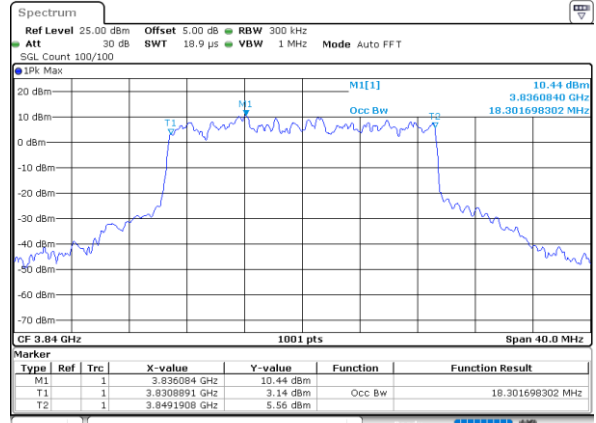
16QAM

Middle Channel

Middle Channel



Date: 22 JUN 2021 20:32:18



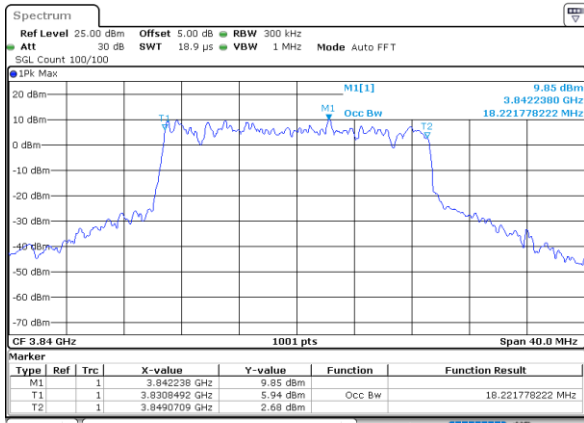
Date: 22 JUN 2021 20:33:18

64QAM

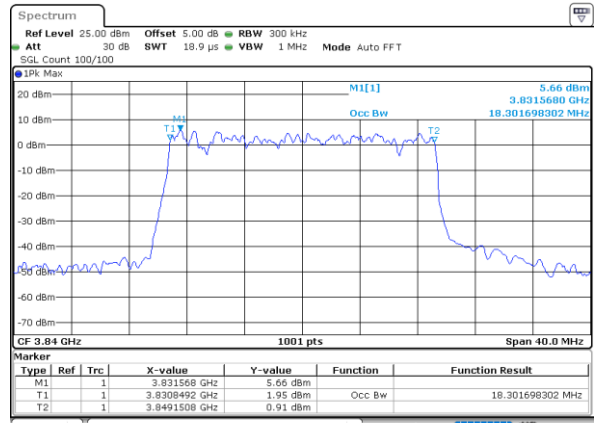
256QAM

Middle Channel

Middle Channel



Date: 22 JUN 2021 20:37:23



Date: 22 JUN 2021 20:37:45



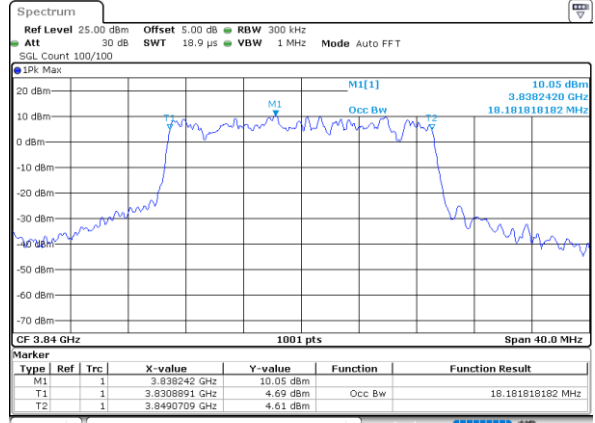
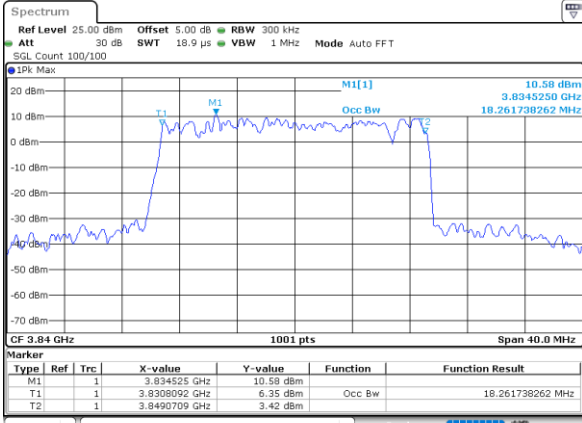
FR1 UL-MIMO n77 / 20MHz / CP-OFDM (Ant5)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 23 JUN 2021 00:13:19

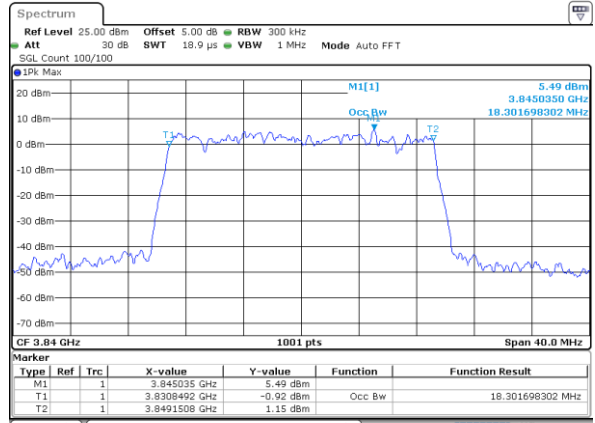
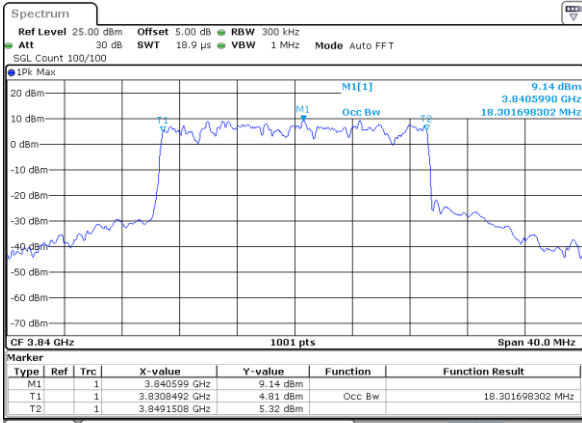
Date: 23 JUN 2021 00:13:59

64QAM

256QAM

Middle Channel

Middle Channel



Date: 23 JUN 2021 00:13:04

Date: 23 JUN 2021 00:13:26



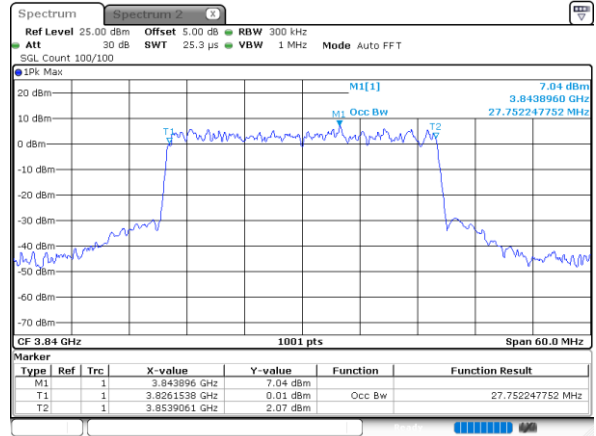
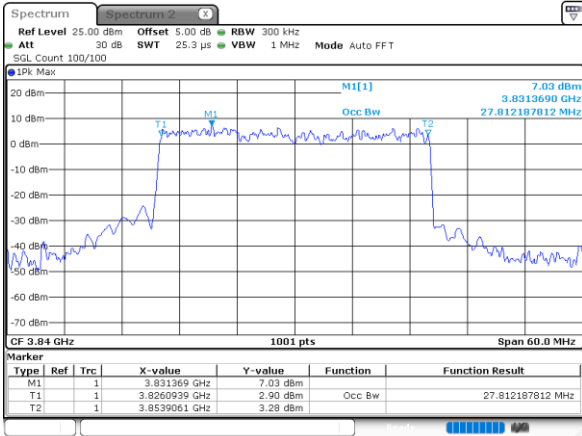
FR1 UL-MIMO n77 / 30MHz / CP-OFDM (Ant3)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 28 JUN 2021 23:28:38

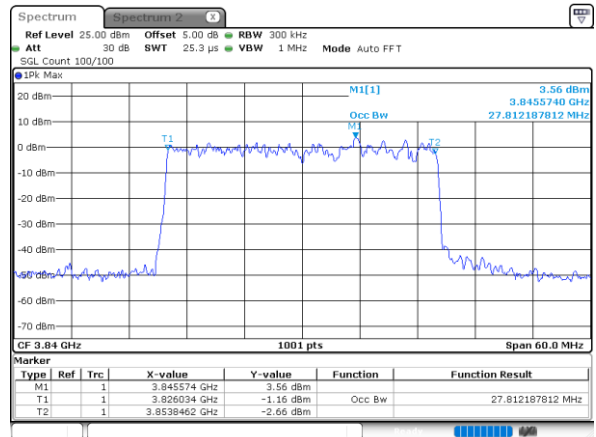
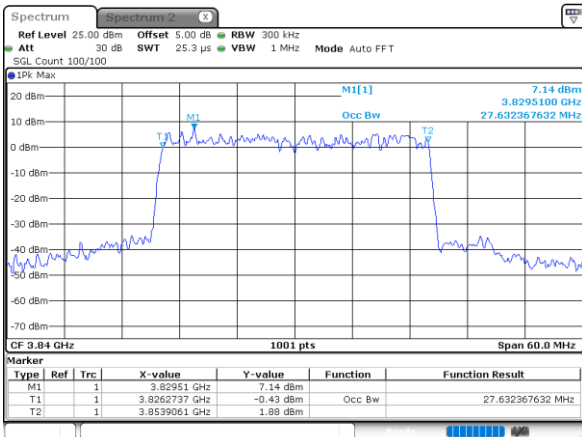
Date: 28 JUN 2021 23:28:12

64QAM

256QAM

Middle Channel

Middle Channel



Date: 28 JUN 2021 23:27:44

Date: 28 JUN 2021 23:27:17





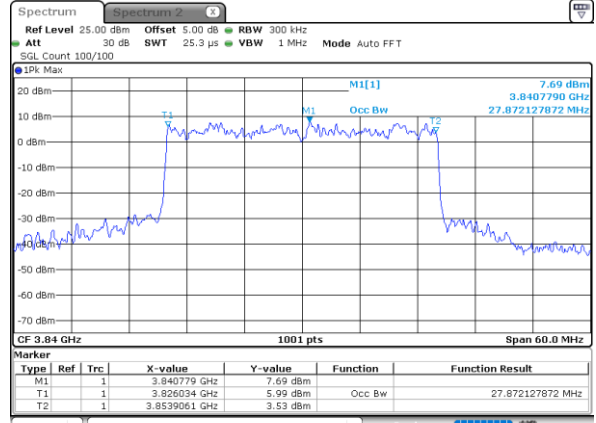
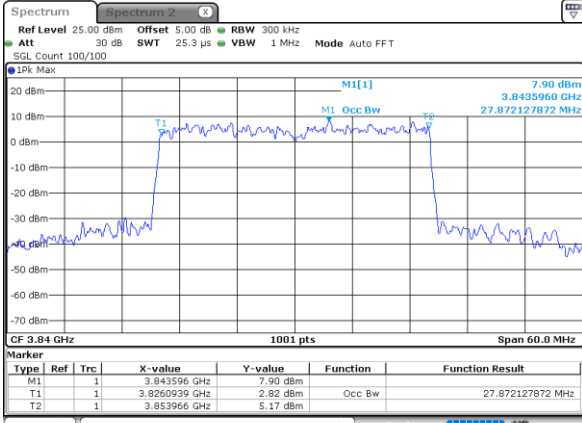
FR1 UL-MIMO n77 / 30MHz / CP-OFDM (Ant5)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 29\_JUN.2021 00:47:34

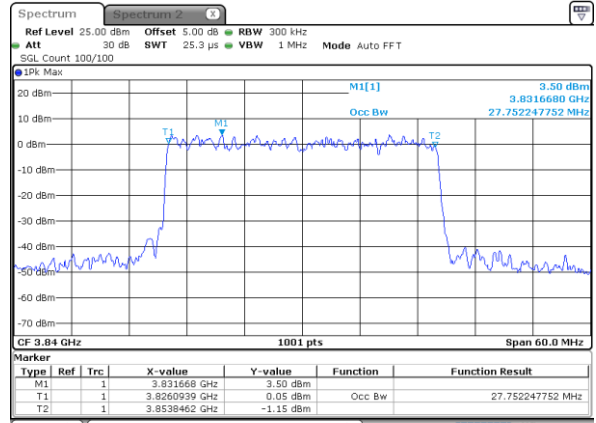
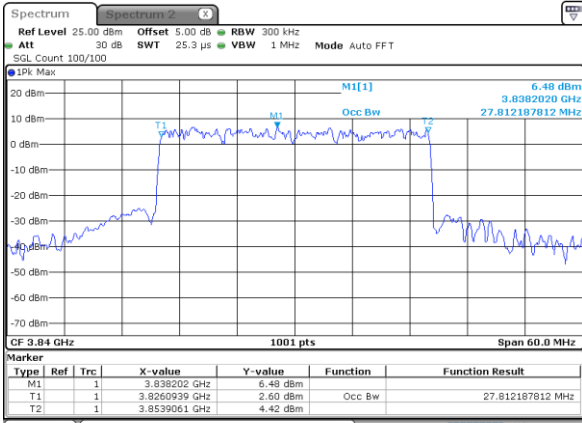
Date: 29\_JUN.2021 00:47:09

64QAM

256QAM

Middle Channel

Middle Channel



Date: 29\_JUN.2021 00:46:37

Date: 29\_JUN.2021 00:46:08



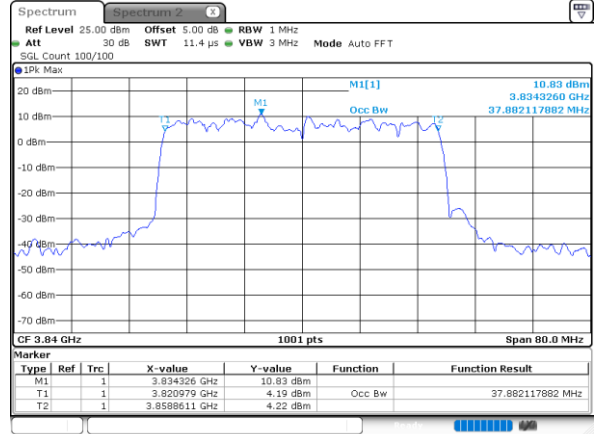
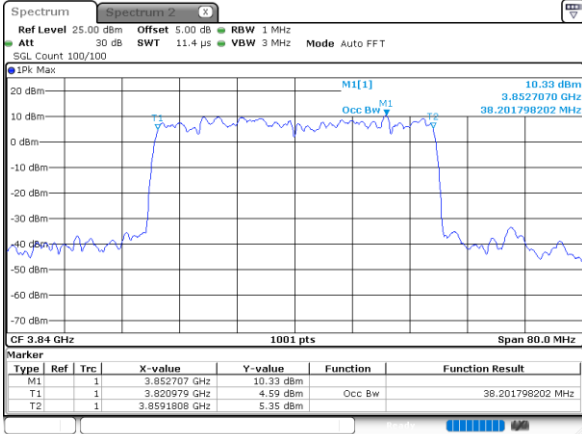
FR1 UL-MIMO n77 / 40MHz / CP-OFDM (Ant3)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 28 JUN 2021 23:25:49

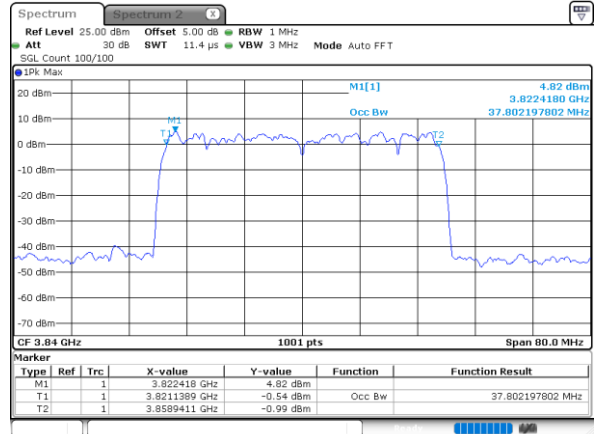
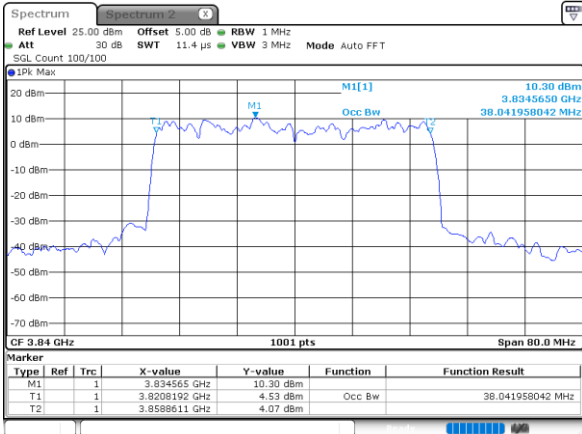
Date: 28 JUN 2021 23:26:04

64QAM

256QAM

Middle Channel

Middle Channel



Date: 28 JUN 2021 23:26:20

Date: 28 JUN 2021 23:26:40



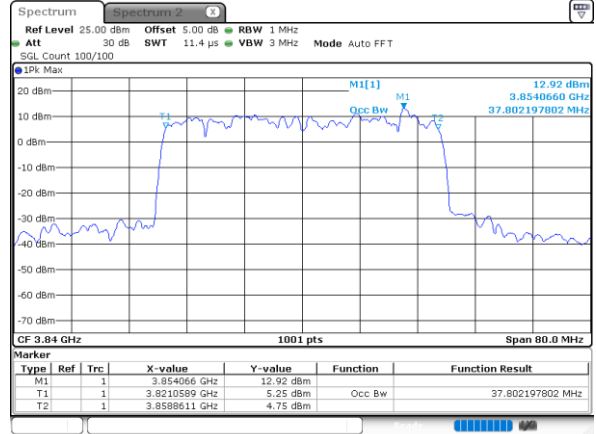
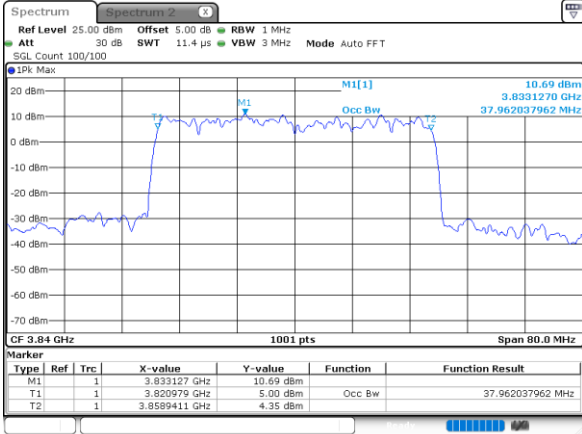
FR1 UL-MIMO n77 / 40MHz / CP-OFDM (Ant5)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 29\_JUN.2021 00:44:43

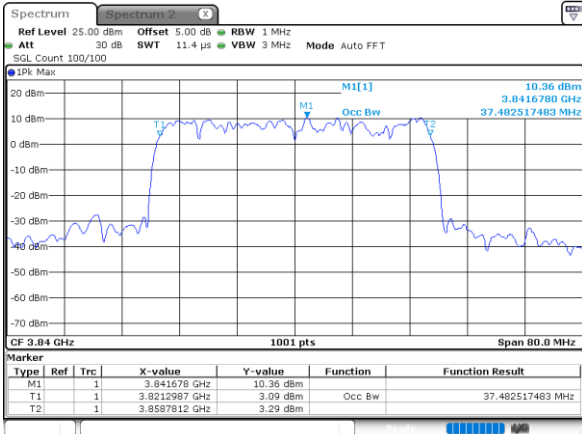
Date: 29\_JUN.2021 00:45:01

64QAM

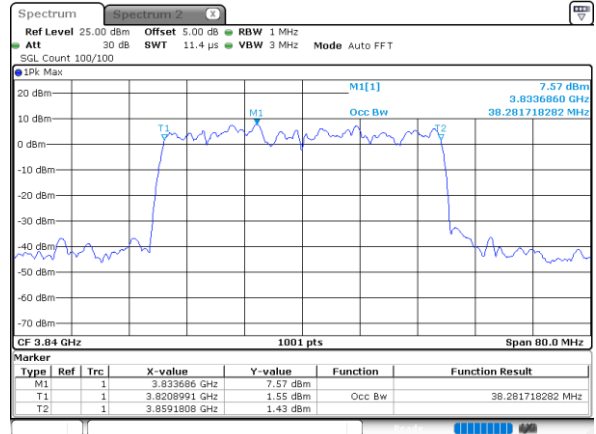
256QAM

Middle Channel

Middle Channel



Date: 29\_JUN.2021 00:45:17



Date: 29\_JUN.2021 00:45:36



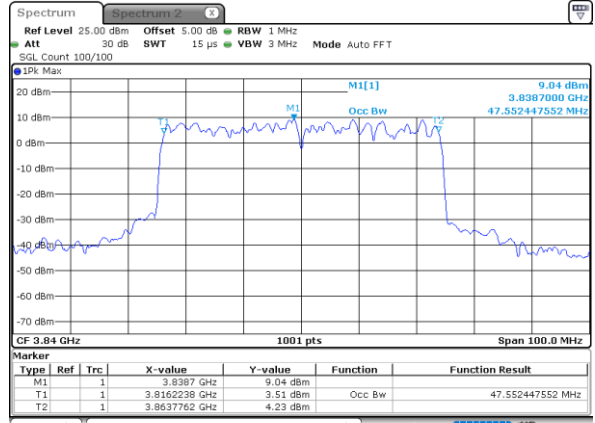
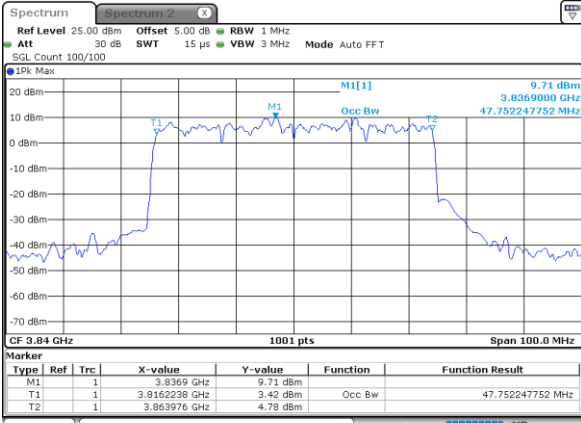
FR1 UL-MIMO n77 / 50MHz / CP-OFDM (ANT3)

QPSK

16QAM

Middle Channel

Middle Channel

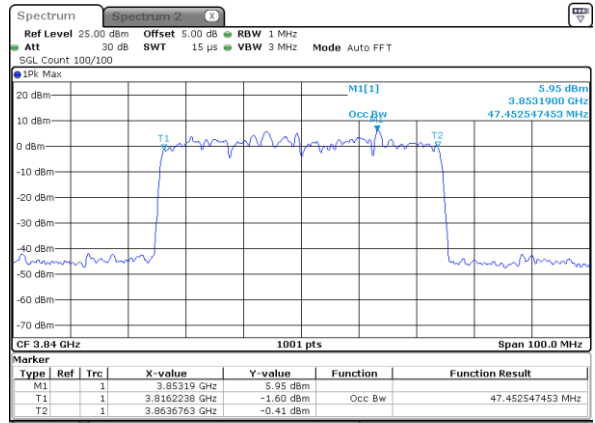
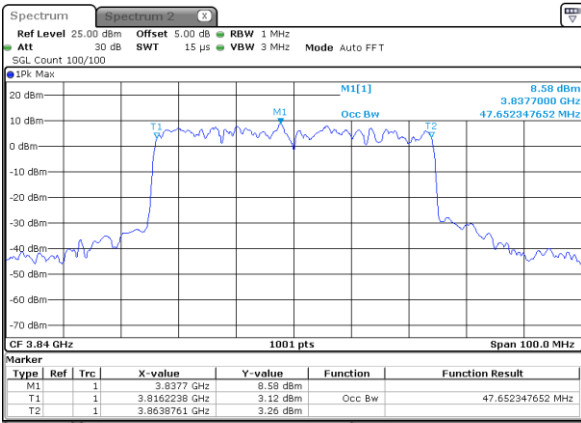


64QAM

256QAM

Middle Channel

Middle Channel





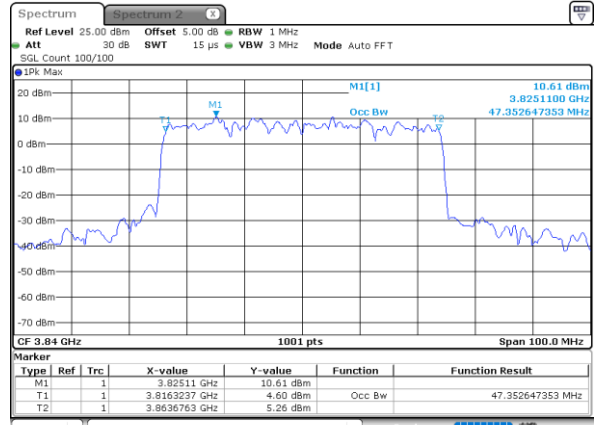
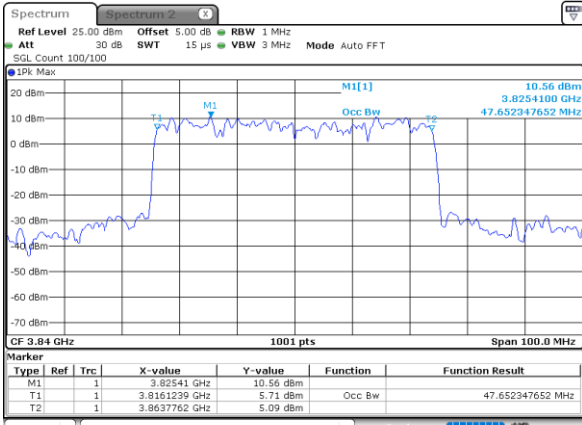
FR1 UL-MIMO n77 / 50MHz / CP-OFDM (Ant5)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 29\_JUN.2021 00:143:22

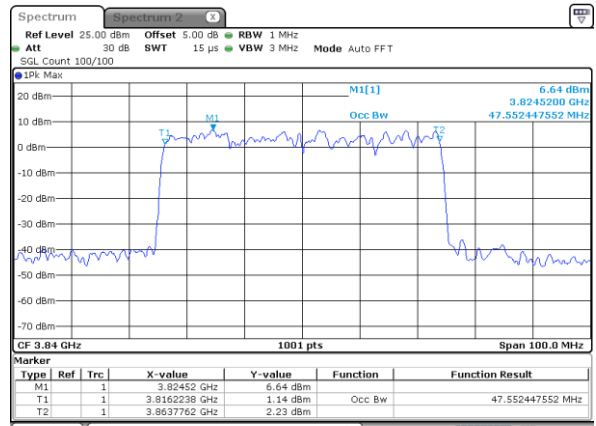
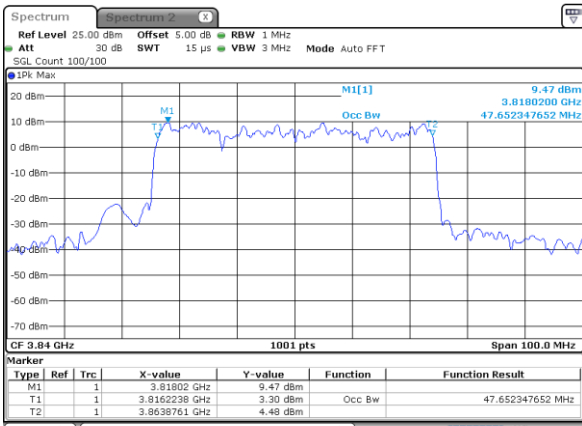
Date: 29\_JUN.2021 00:143:05

64QAM

256QAM

Middle Channel

Middle Channel



Date: 29\_JUN.2021 00:42:50

Date: 29\_JUN.2021 00:42:33



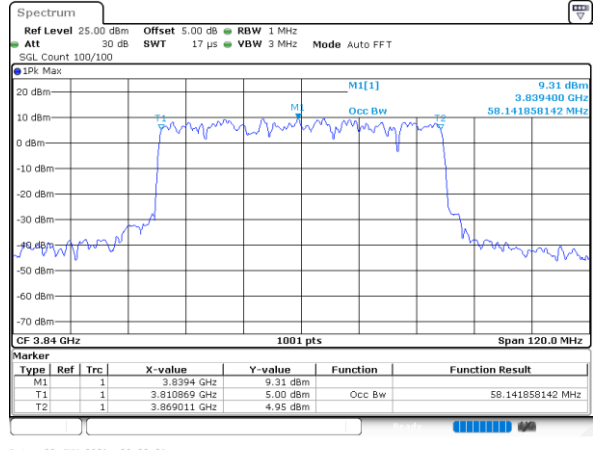
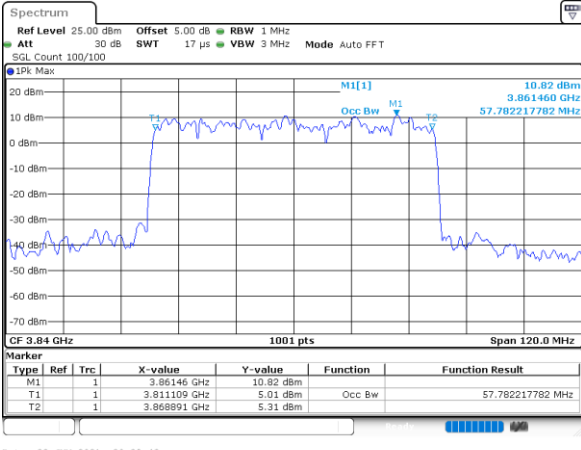
FR1 UL-MIMO n77 / 60MHz / CP-OFDM (ANT3)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 22 JUN 2021 20:29:48

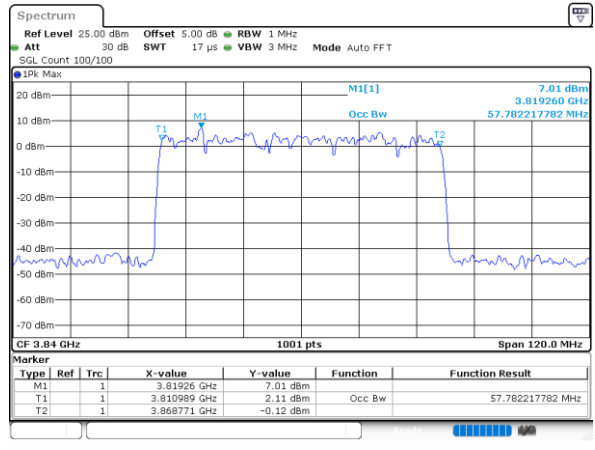
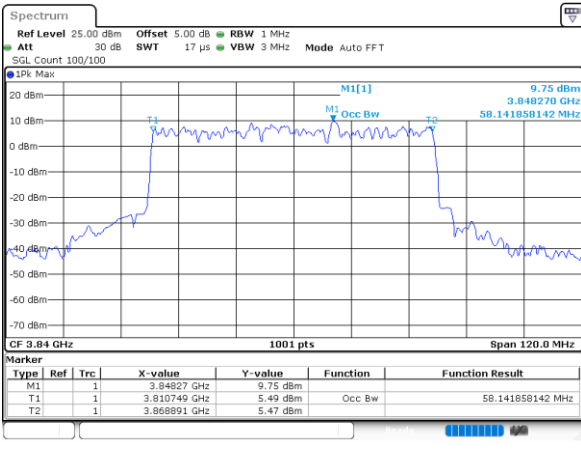
Date: 22 JUN 2021 20:29:31

64QAM

256QAM

Middle Channel

Middle Channel



Date: 22 JUN 2021 20:29:13

Date: 22 JUN 2021 20:28:55



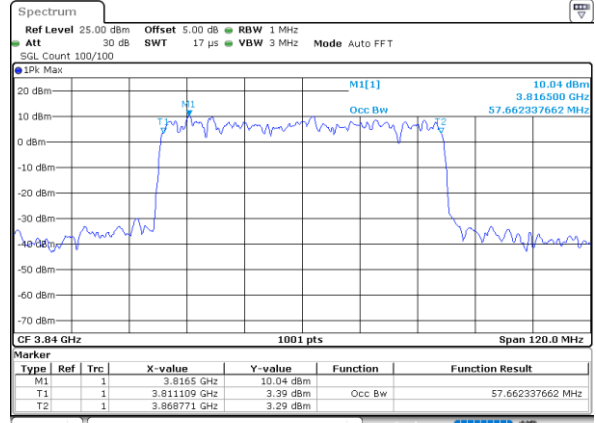
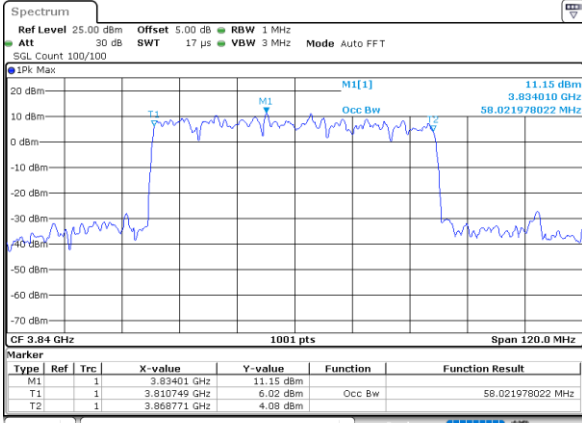
FR1 UL-MIMO n77 / 60MHz / CP-OFDM (Ant5)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 23 JUN 2021 00:40:28

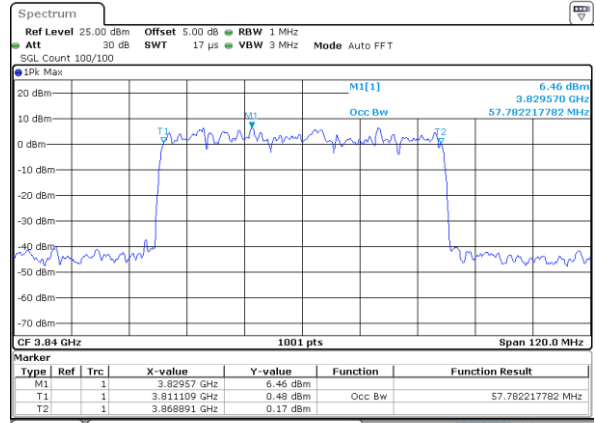
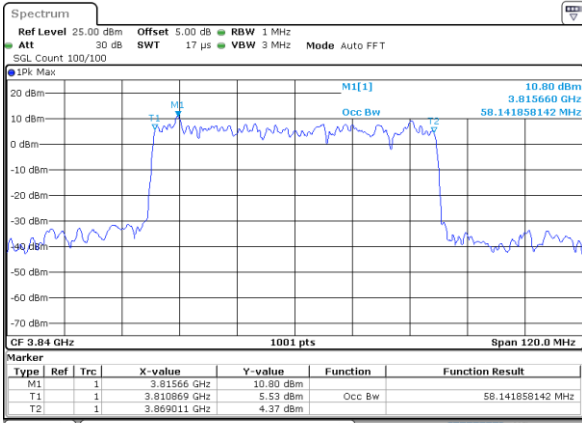
Date: 23 JUN 2021 00:40:13

64QAM

256QAM

Middle Channel

Middle Channel



Date: 23 JUN 2021 00:39:58

Date: 23 JUN 2021 00:39:41



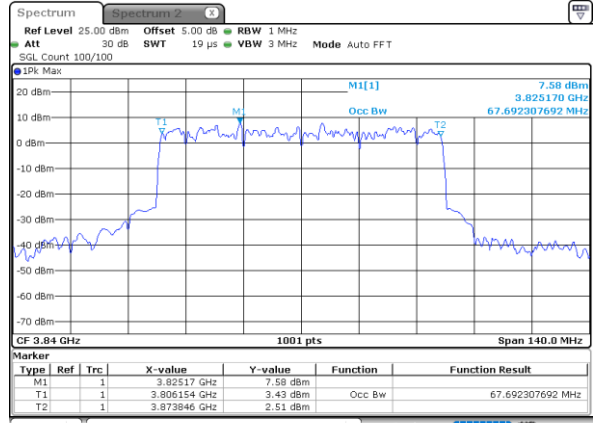
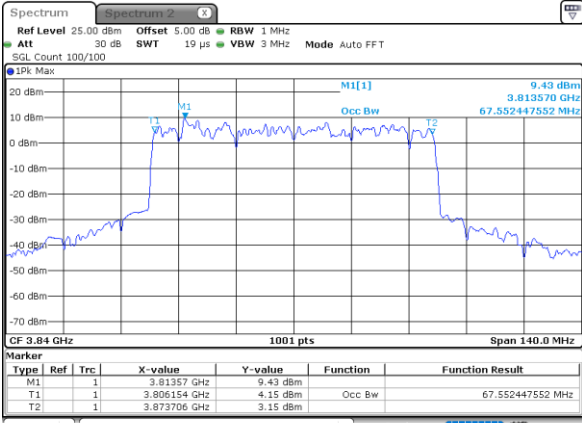
FR1 UL-MIMO n77 / 70MHz / CP-OFDM (Ant3)

QPSK

16QAM

Middle Channel

Middle Channel

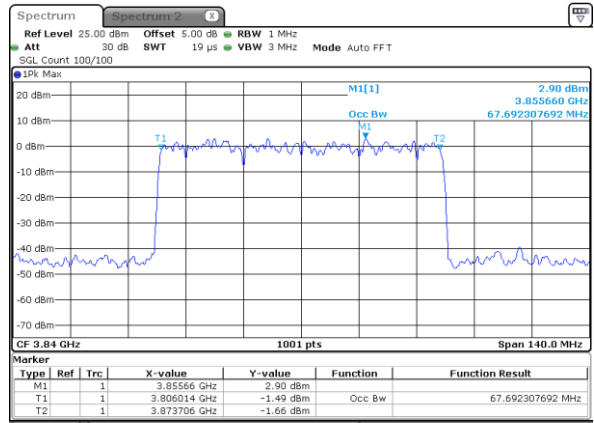
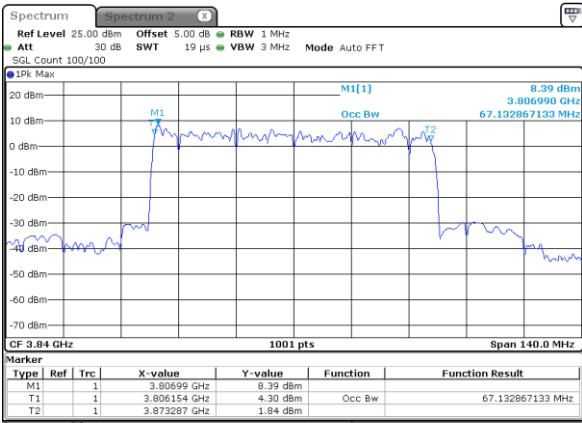


64QAM

256QAM

Middle Channel

Middle Channel







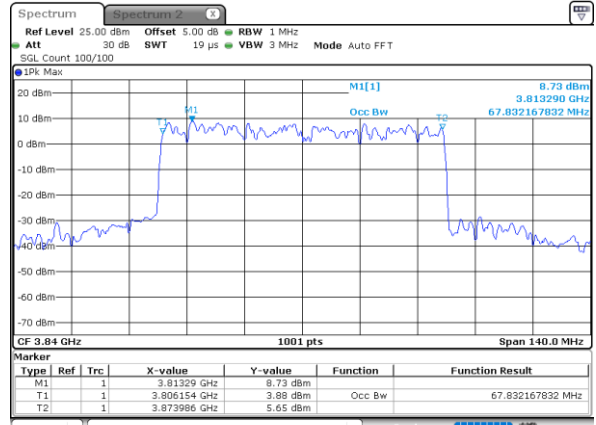
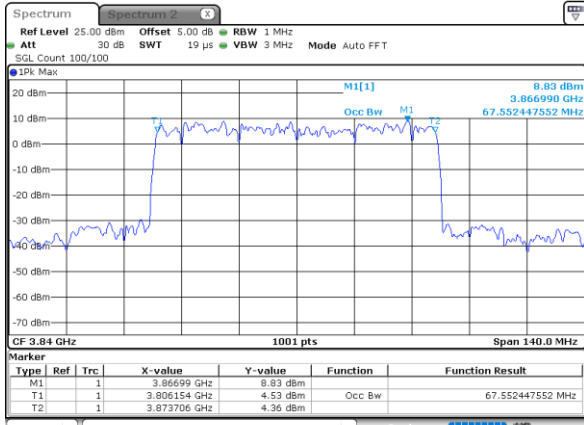
FR1 UL-MIMO n77 / 70MHz / CP-OFDM (Ant5)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 29 JUN 2021 00:40:25

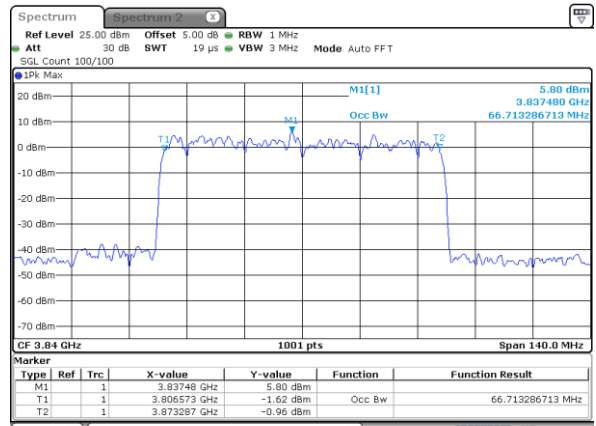
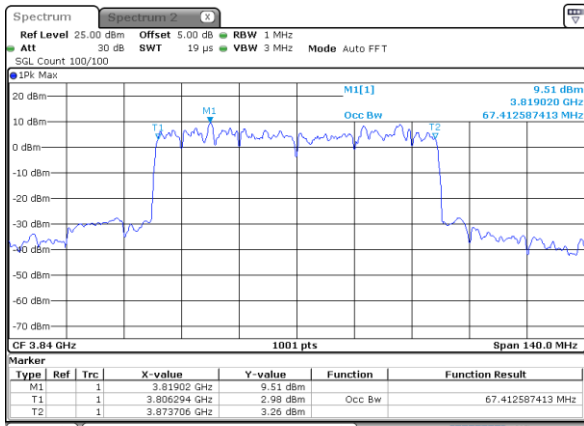
Date: 29 JUN 2021 00:40:51

64QAM

256QAM

Middle Channel

Middle Channel



Date: 29 JUN 2021 00:41:22

Date: 29 JUN 2021 00:41:49



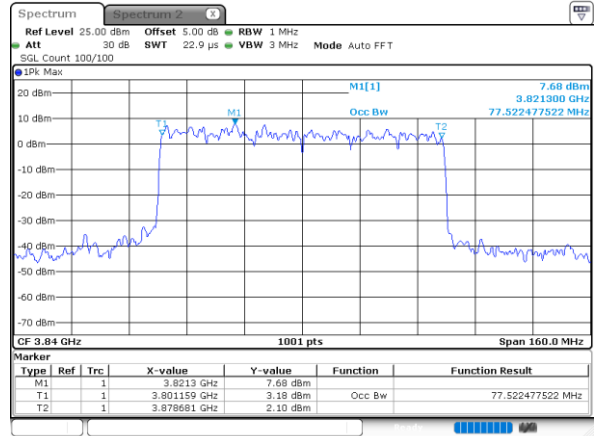
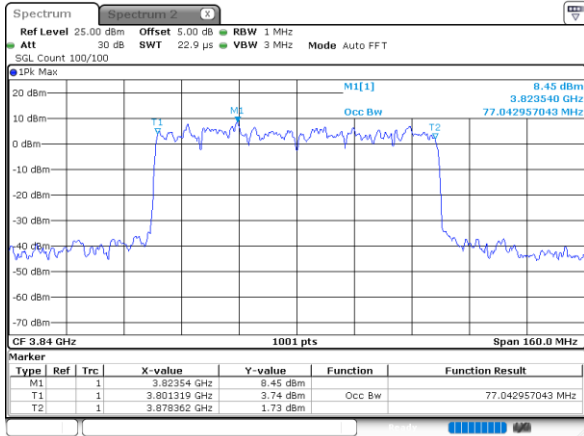
FR1 UL-MIMO n77 / 80MHz / CP-OFDM (ANT3)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 28 JUN 2021 23:20:23

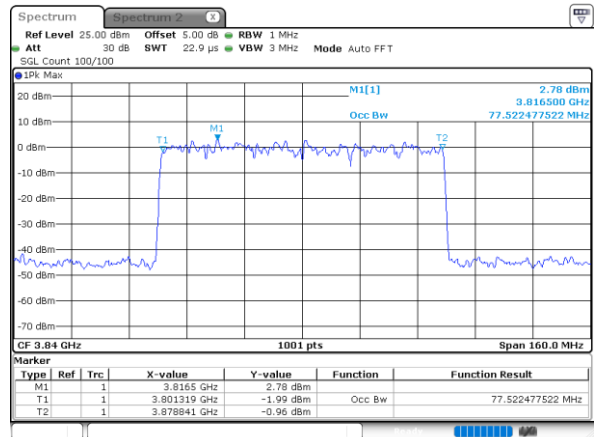
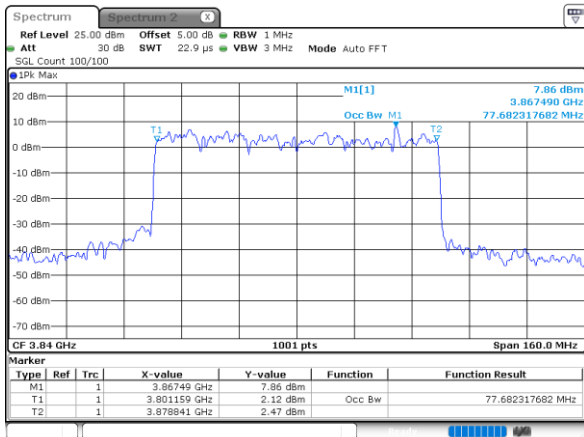
Date: 28 JUN 2021 23:20:08

64QAM

256QAM

Middle Channel

Middle Channel



Date: 28 JUN 2021 23:19:49

Date: 28 JUN 2021 23:19:32



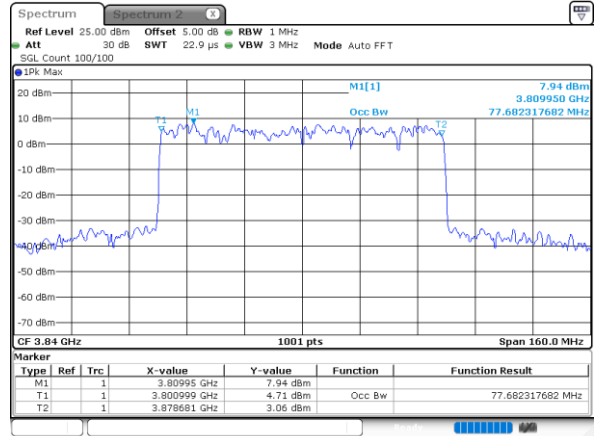
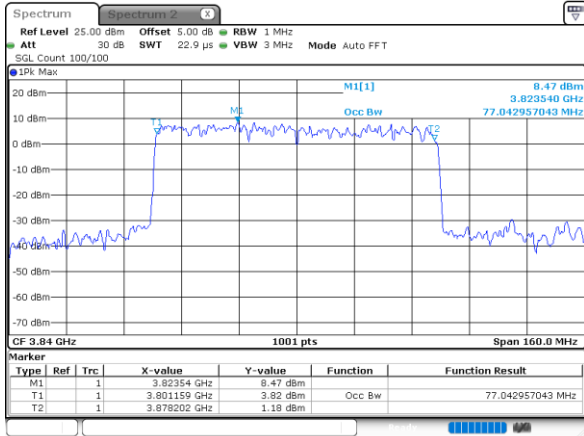
FR1 UL-MIMO n77 / 80MHz / CP-OFDM (Ant5)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 29\_JUN\_2021 00:13:41

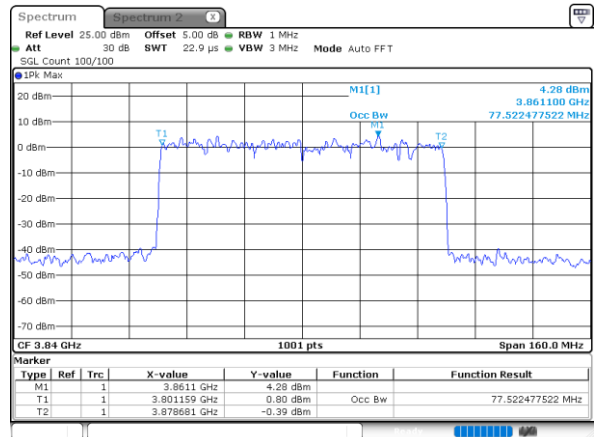
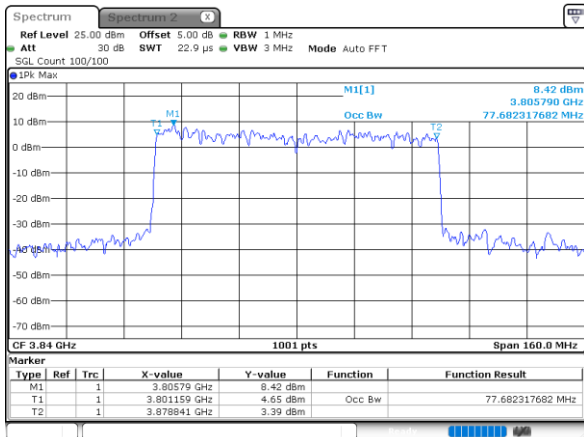
Date: 29\_JUN\_2021 00:13:25

64QAM

256QAM

Middle Channel

Middle Channel



Date: 29\_JUN\_2021 00:38:55

Date: 29\_JUN\_2021 00:38:40



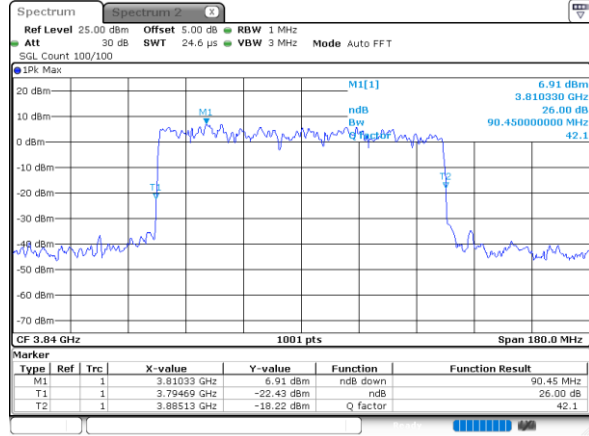
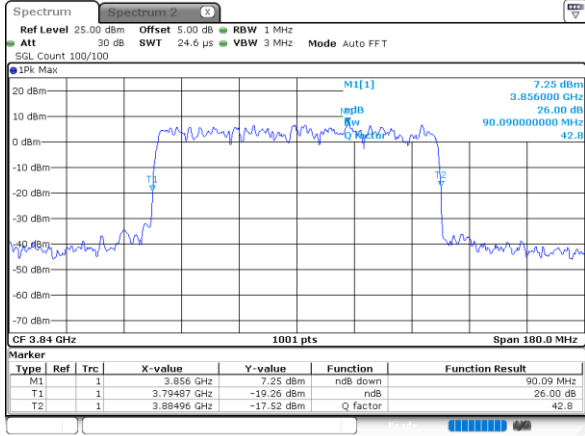
FR1 UL-MIMO n77 / 90MHz / CP-OFDM (Ant3)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 28 JUN 2021 23:15:52

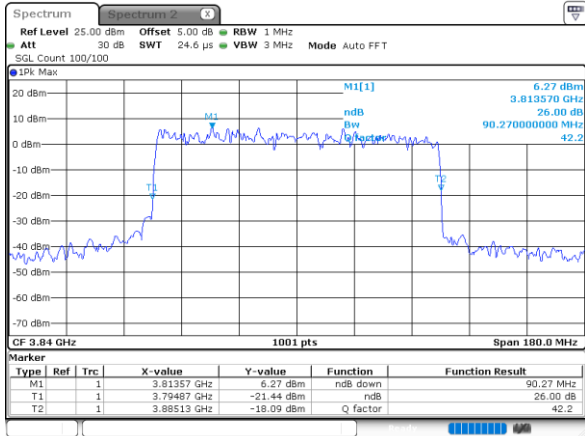
Date: 28 JUN 2021 23:17:34

64QAM

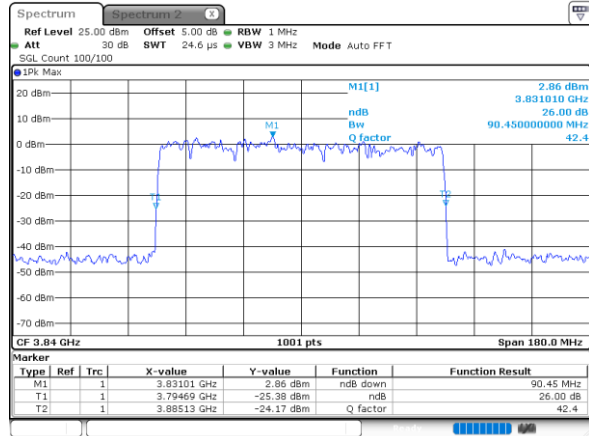
256QAM

Middle Channel

Middle Channel



Date: 28 JUN 2021 23:17:50



Date: 28 JUN 2021 23:18:12



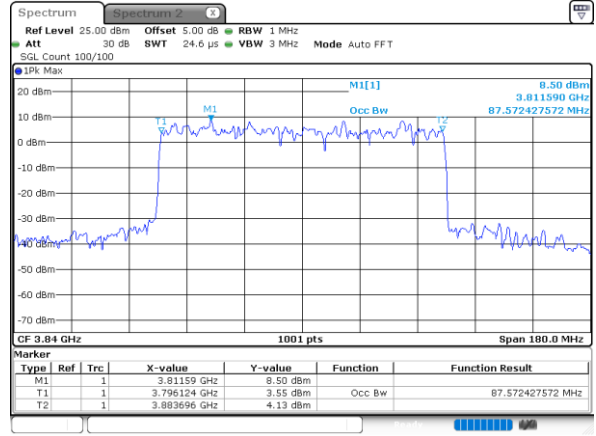
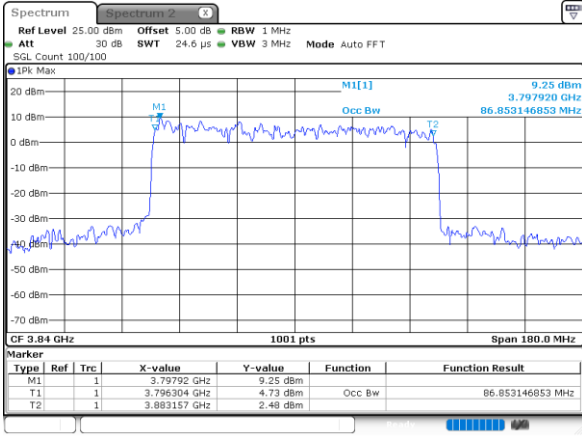
FR1 UL-MIMO n77 / 90MHz / CP-OFDM (Ant5)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 29 JUN 2021 00:37:16

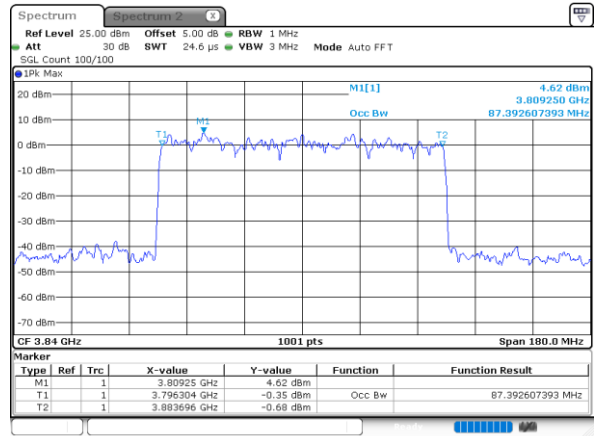
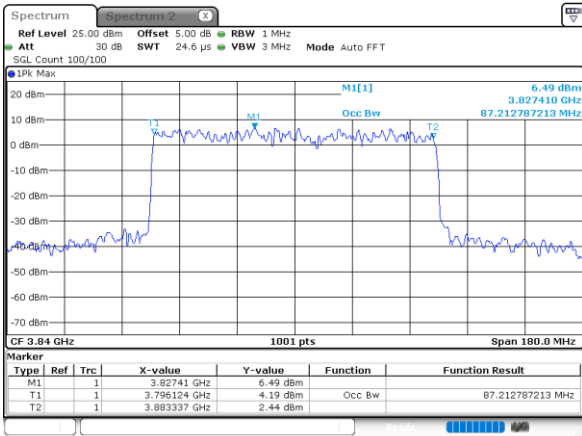
Date: 29 JUN 2021 00:37:35

64QAM

256QAM

Middle Channel

Middle Channel



Date: 29 JUN 2021 00:37:53

Date: 29 JUN 2021 00:38:11



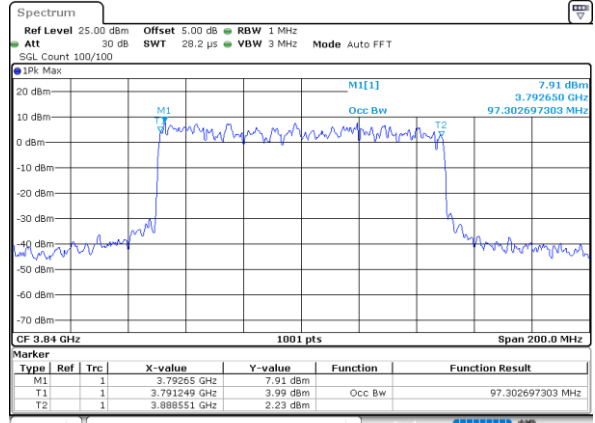
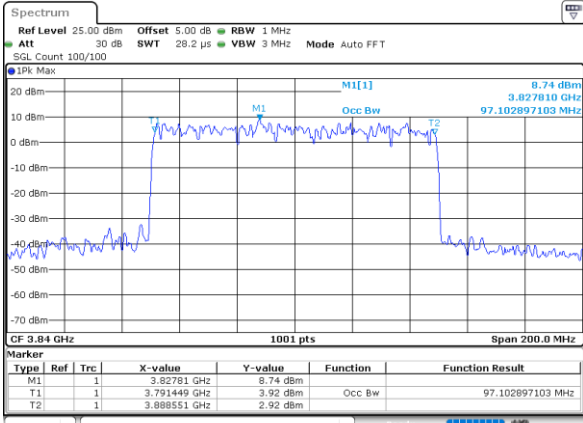
FR1 UL-MIMO n77 / 100MHz / CP-OFDM (ANT3)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 22 JUN 2021 11:20:57

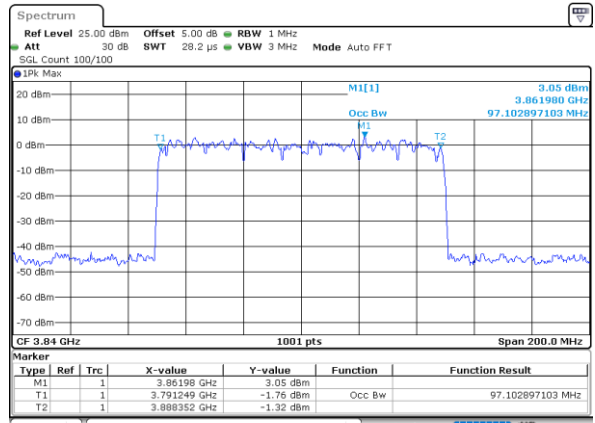
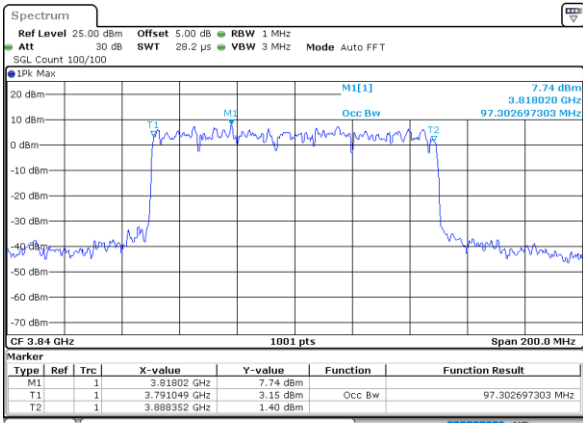
Date: 22 JUN 2021 11:22:40

64QAM

256QAM

Middle Channel

Middle Channel



Date: 22 JUN 2021 11:23:10

Date: 22 JUN 2021 11:24:34



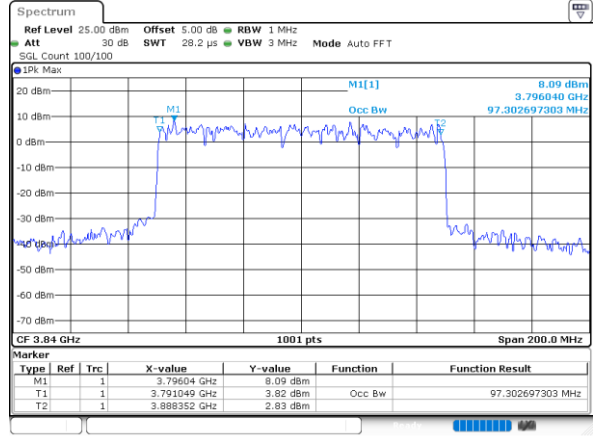
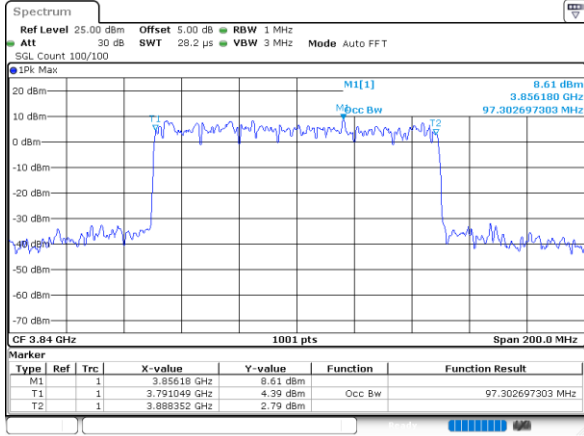
FR1 UL-MIMO n77 / 100MHz / CP-OFDM (Ant5)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 23 JUN 2021 00:42:43

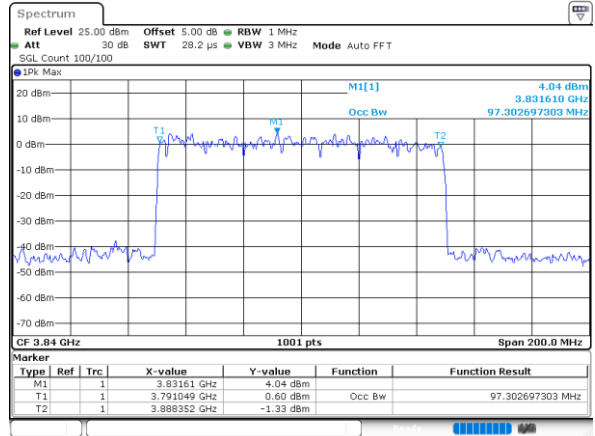
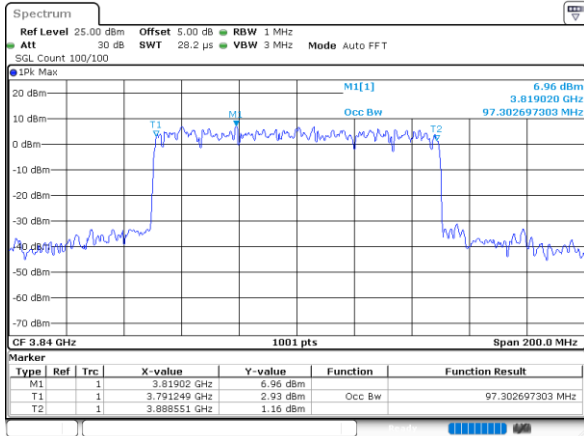
Date: 23 JUN 2021 00:43:00

64QAM

256QAM

Middle Channel

Middle Channel



Date: 23 JUN 2021 00:43:20

Date: 23 JUN 2021 00:43:37

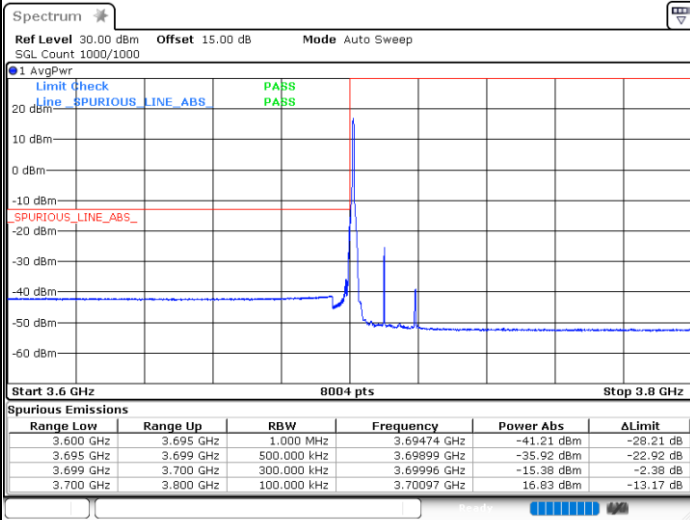


# Conducted Band Edge

## FR1 UL-MIMO n77 / 20MHz / CP-OFDM QPSK (ANT3)

### Lowest Band Edge / 1 RB

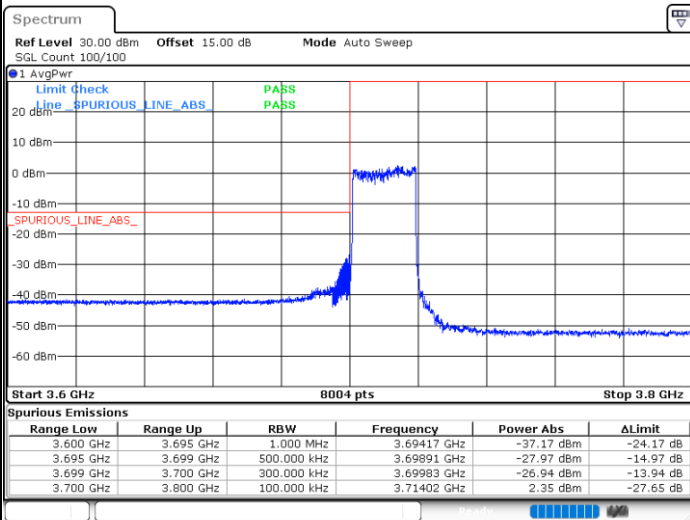
### Channel Power < -13dBm Pass



/

### Lowest Band Edge / Full RB

### Channel Power < -13dBm Pass



/

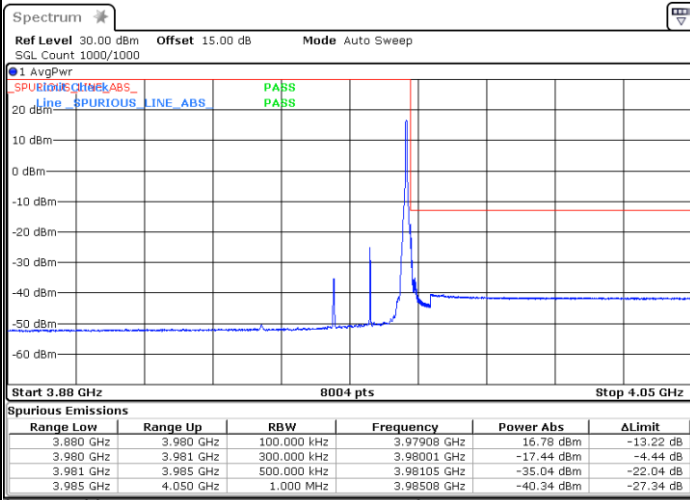




FR1 UL-MIMO n77 / 20MHz / CP-OFDM QPSK (ANT3)

Highest Band Edge / 1 RB

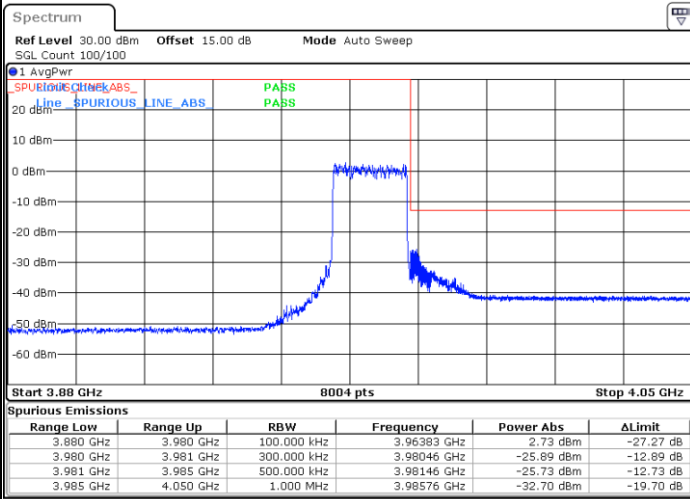
Channel Power < -13dBm Pass



Date: 22 JUN 2021 20:58:04

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



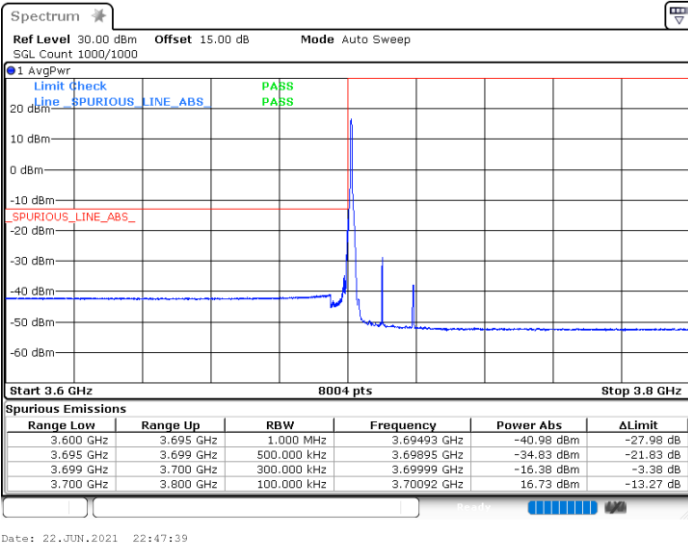
Date: 22 JUN 2021 20:57:09



FR1 UL-MIMO n77 / 20MHz / CP-OFDM QPSK (Ant5)

Lowest Band Edge / 1 RB

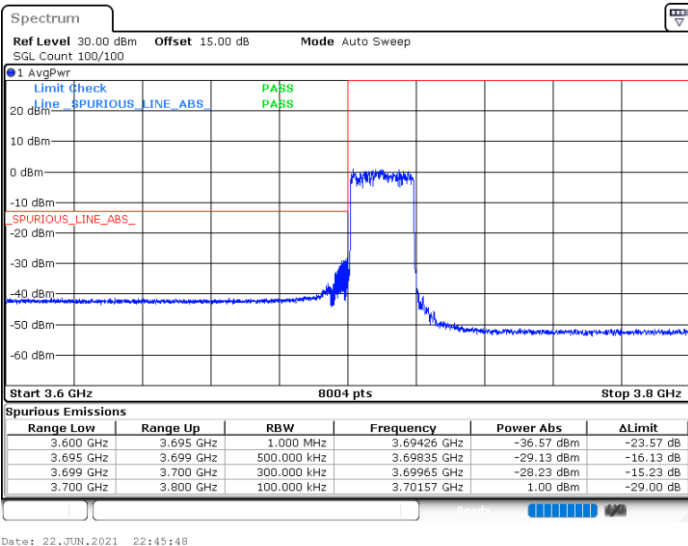
Channel Power < -13dBm Pass



/

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



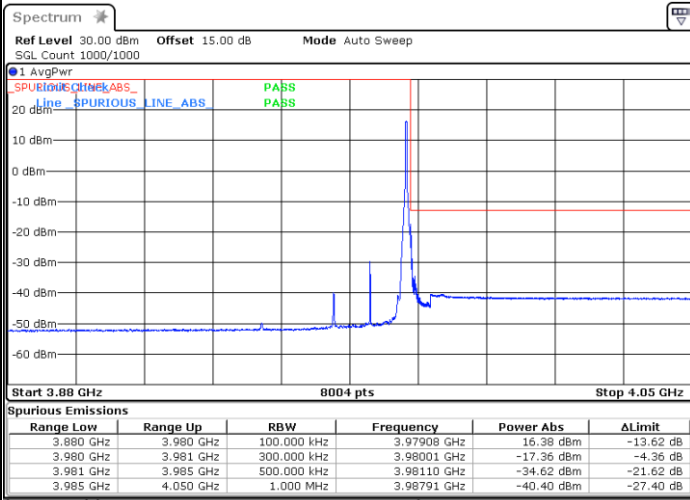
/



FR1 UL-MIMO n77 / 20MHz / CP-OFDM QPSK (Ant5)

Highest Band Edge / 1 RB

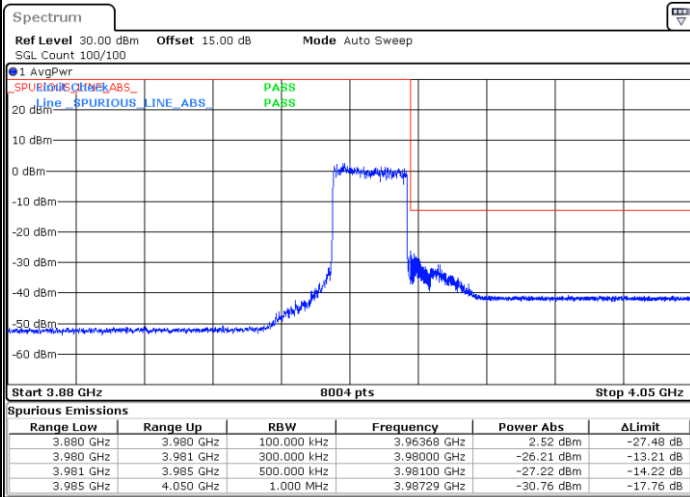
Channel Power < -13dBm Pass



Date: 22 JUN 2021 22:49:59

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



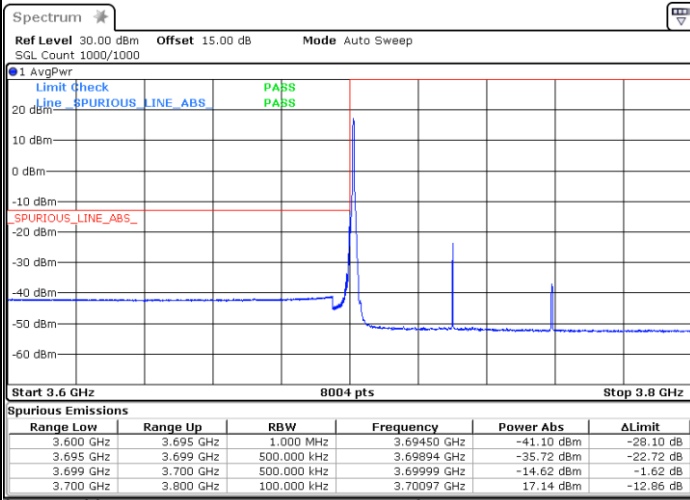
Date: 22 JUN 2021 22:51:19



FR1 UL-MIMO n77 / 60MHz / CP-OFDM QPSK (ANT3)

Lowest Band Edge / 1 RB

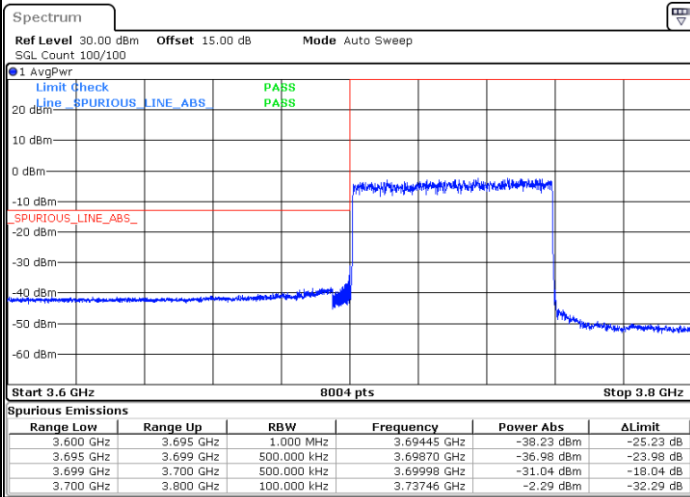
Channel Power < -13dBm Pass



Date: 22 JUN 2021 20:26:12

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



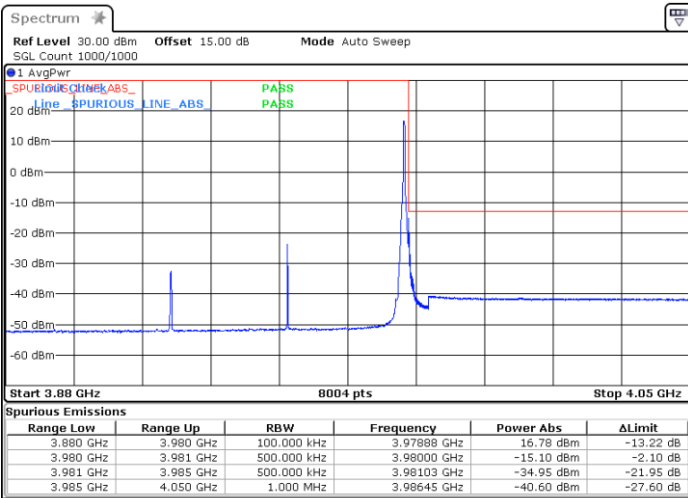
Date: 22 JUN 2021 20:23:52



FR1 UL-MIMO n77 / 60MHz / CP-OFDM QPSK (ANT3)

Highest Band Edge / 1 RB

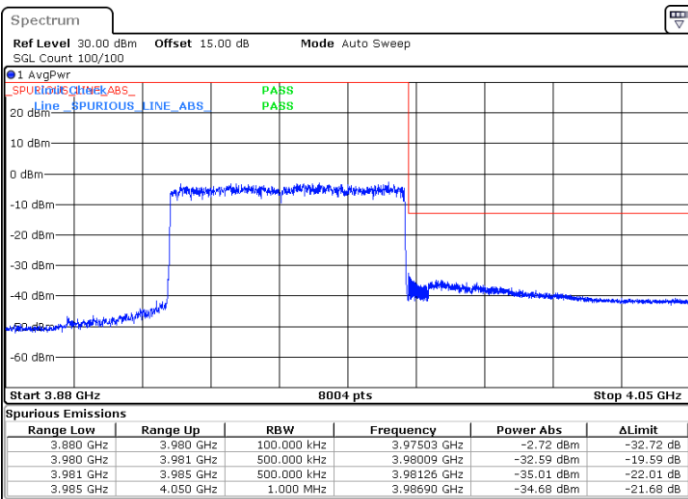
Channel Power < -13dBm Pass



Date: 22 JUN 2021 20:19:57

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



Date: 22 JUN 2021 20:18:56