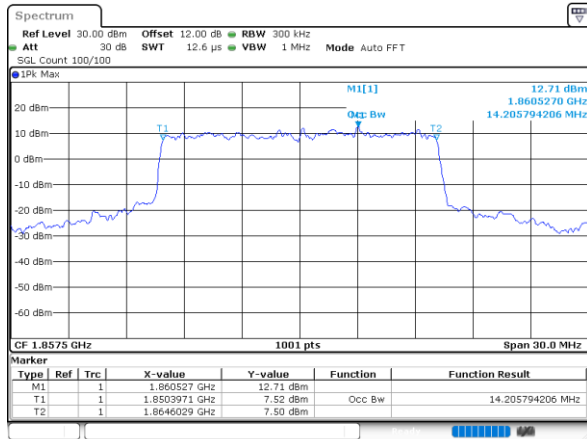
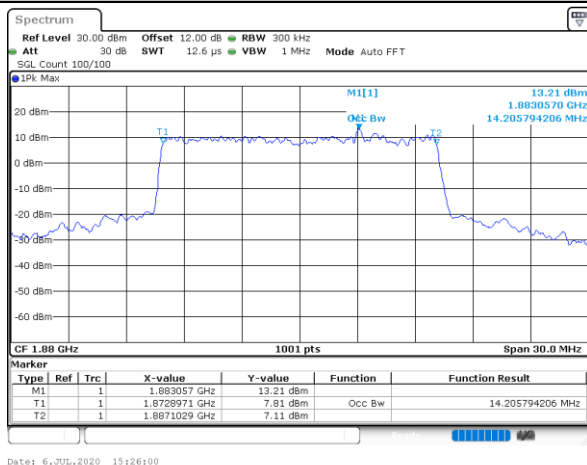
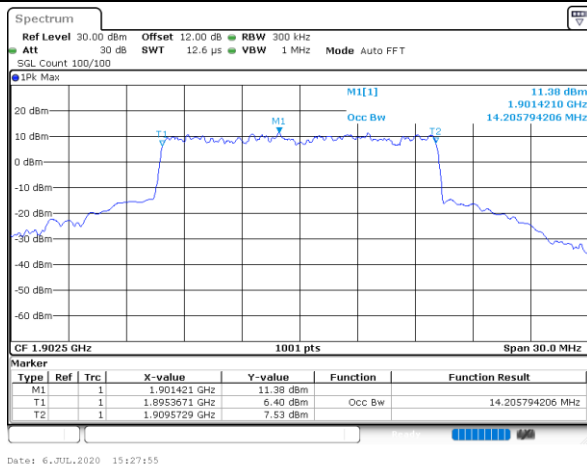


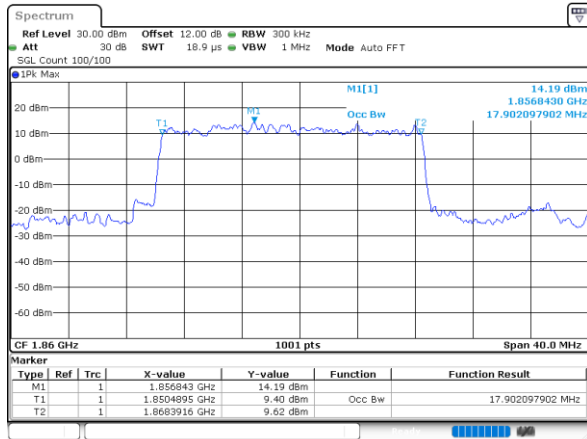
**FR1 n2 / 15MHz / CP OFDM****64QAM****Lowest Channel****Middle Channel****Highest Channel**



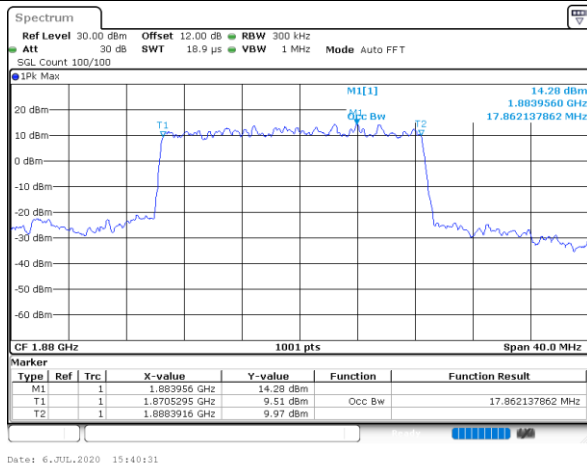
## FR1 n2 / 20MHz / DFT-S OFDM

## PI/2 BPSK

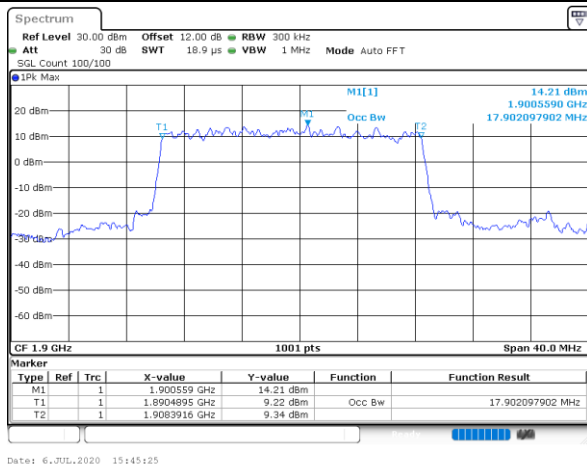
## Lowest Channel



## Middle Channel



## Highest Channel

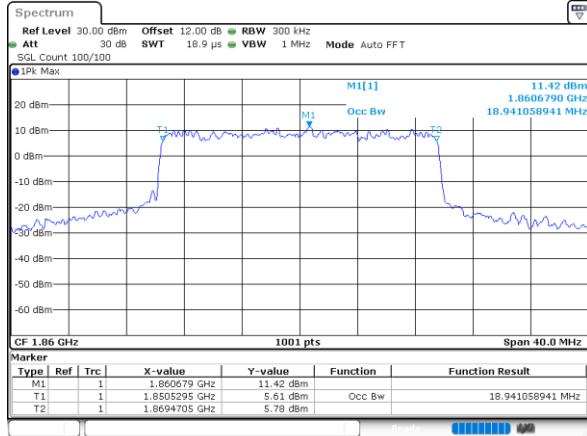




## FR1 n2 / 20MHz / CP OFDM

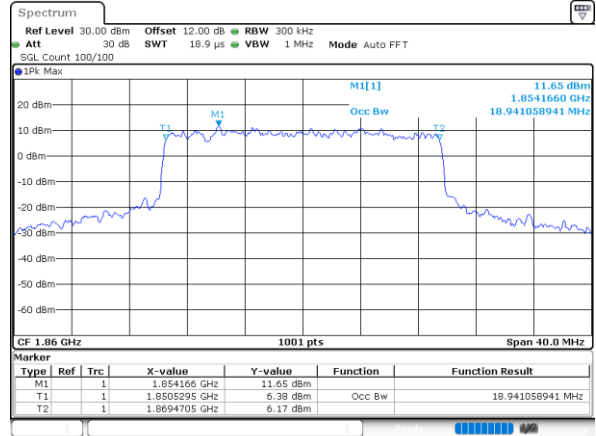
## QPSK

## Lowest Channel

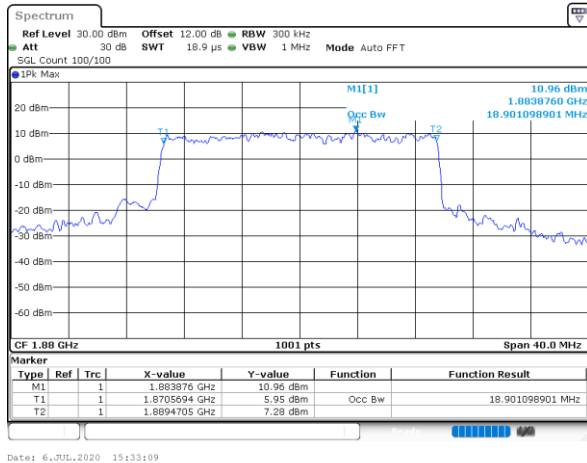


## 16QAM

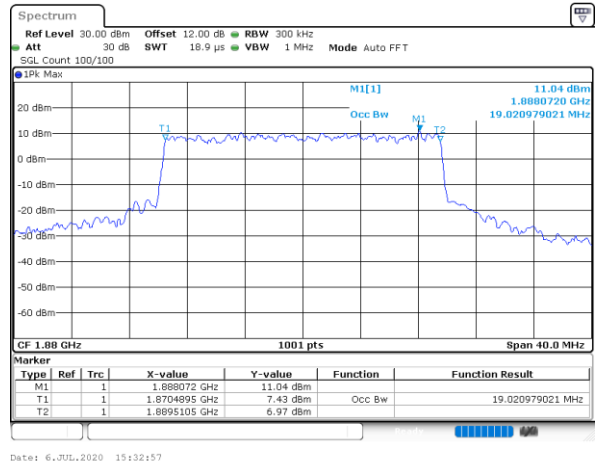
## Lowest Channel



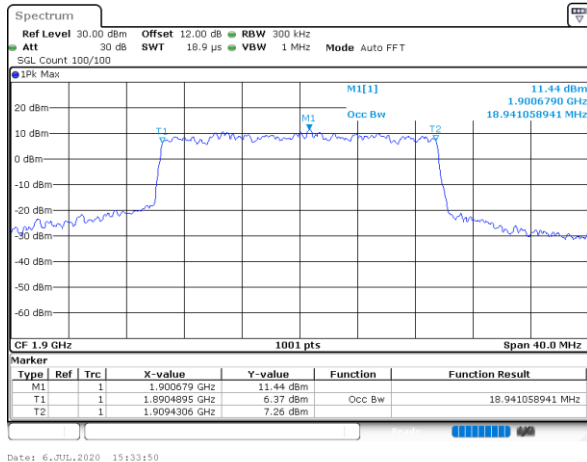
## Middle Channel



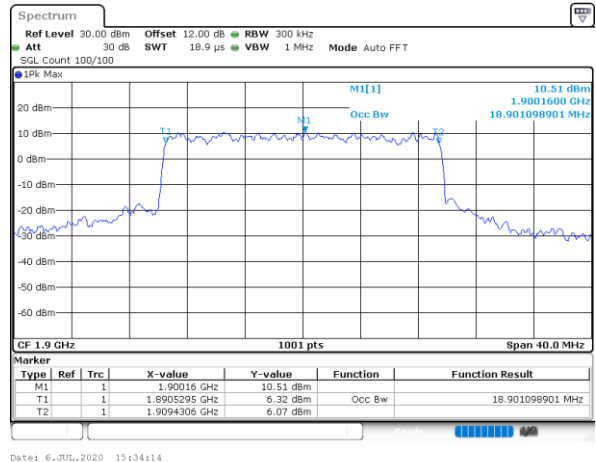
## Middle Channel



## Highest Channel



## Highest Channel

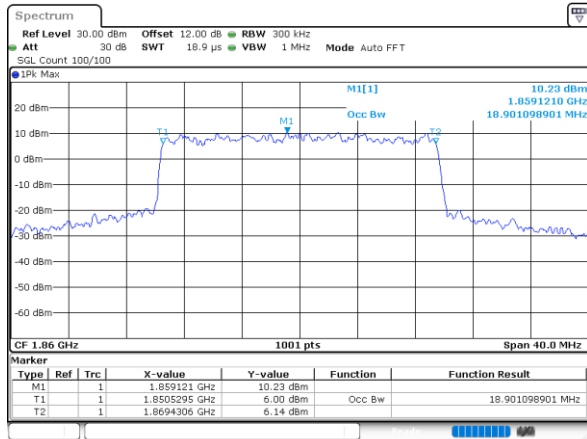




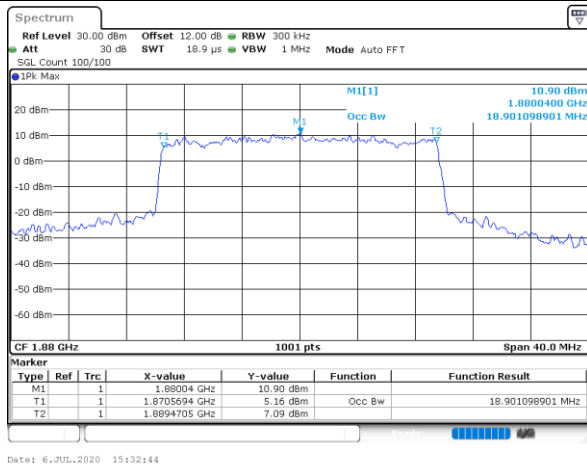
## FR1 n2 / 20MHz / CP OFDM

### 64QAM

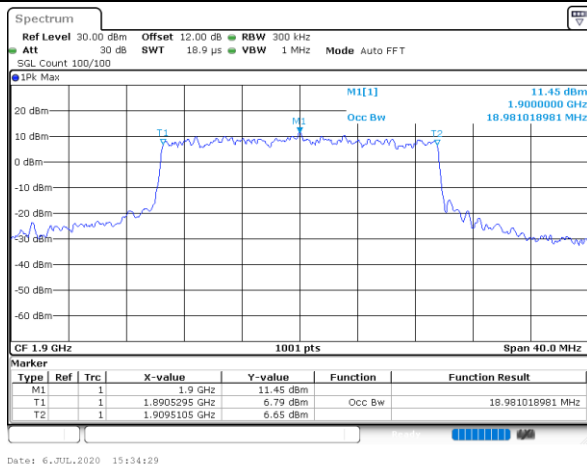
#### Lowest Channel



#### Middle Channel



#### Highest Channel

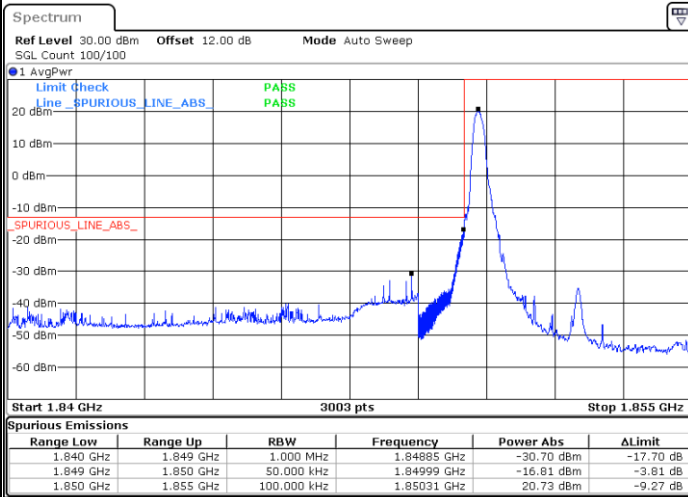


**Conducted Band Edge**

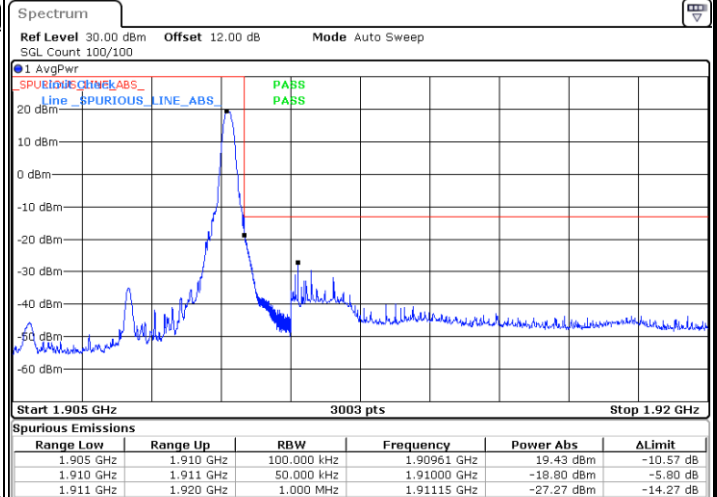
FR1 n2 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



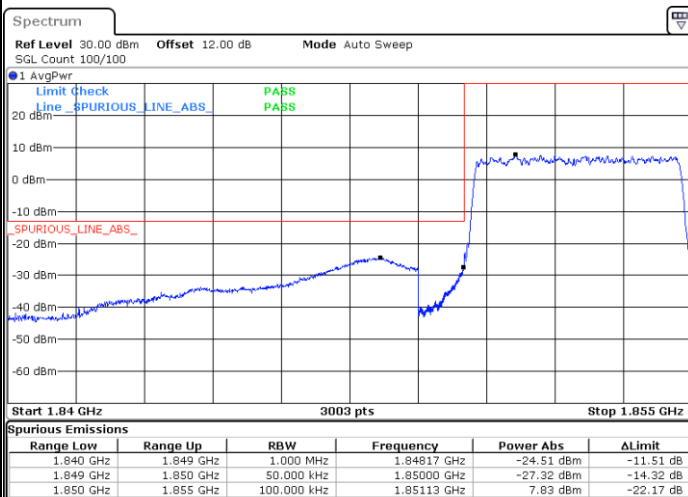
Date: 6.JUL.2020 14:10:52



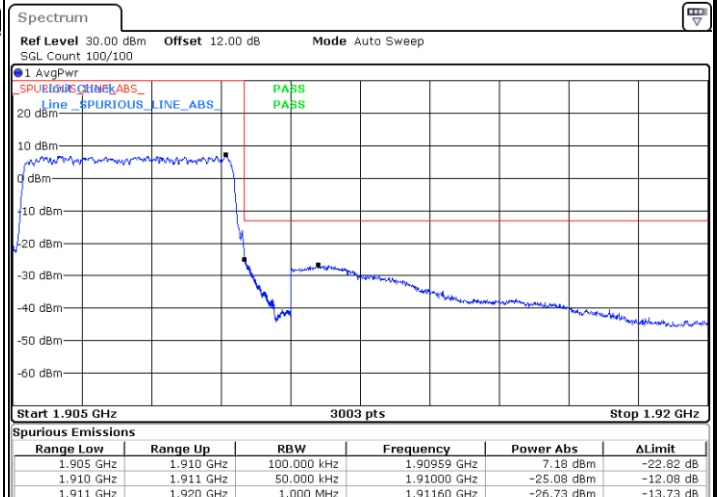
Date: 6.JUL.2020 14:21:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 6.JUL.2020 13:47:08



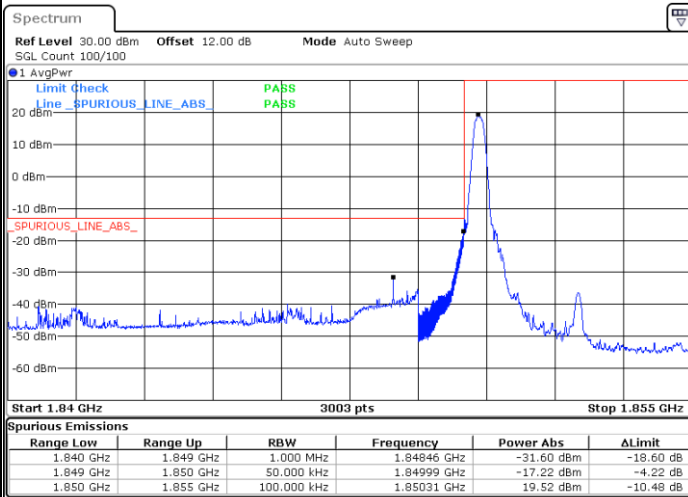
Date: 6.JUL.2020 14:15:30



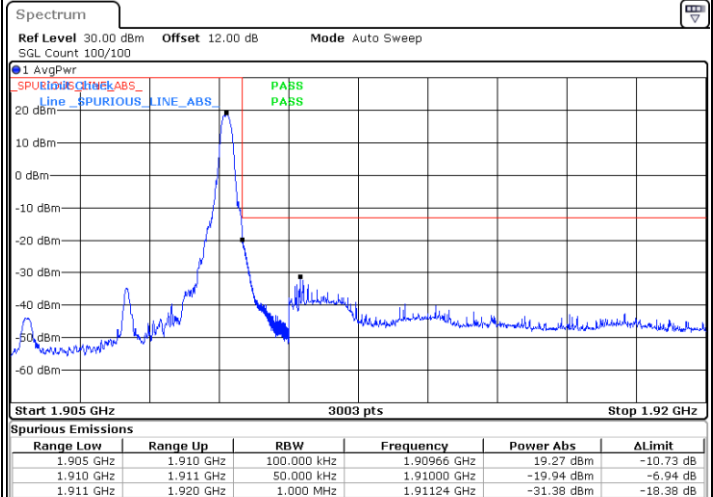
## FR1 n2 / 5MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



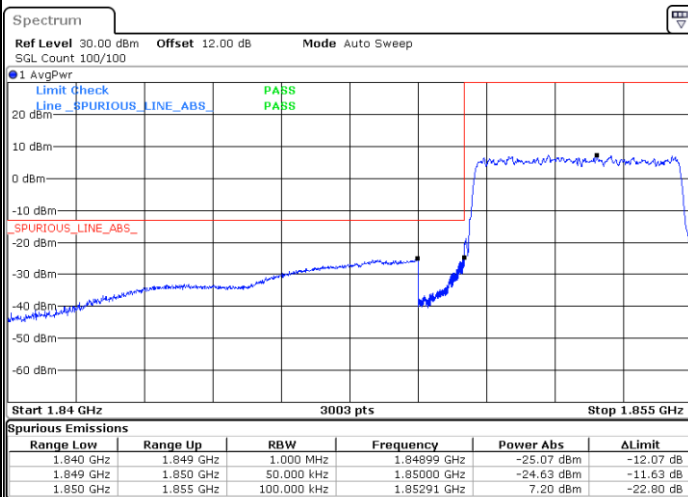
Date: 6.JUL.2020 14:09:34



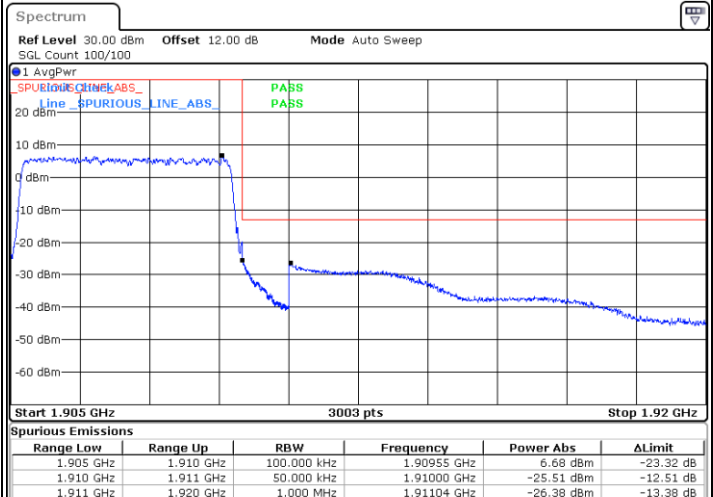
Date: 6.JUL.2020 14:20:45

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 6.JUL.2020 13:47:51



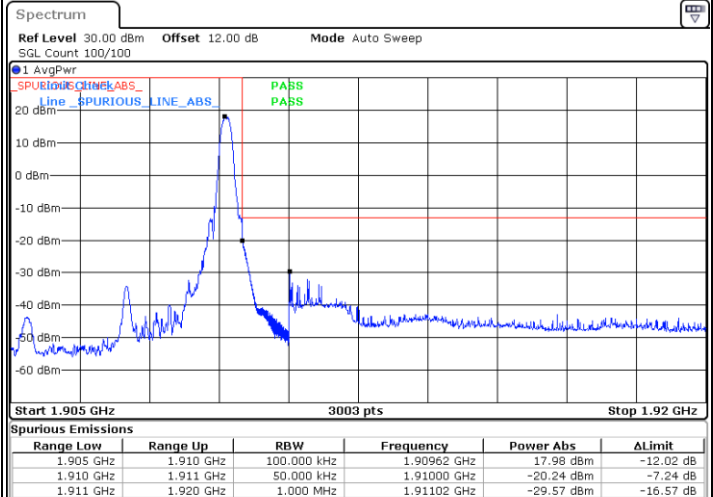
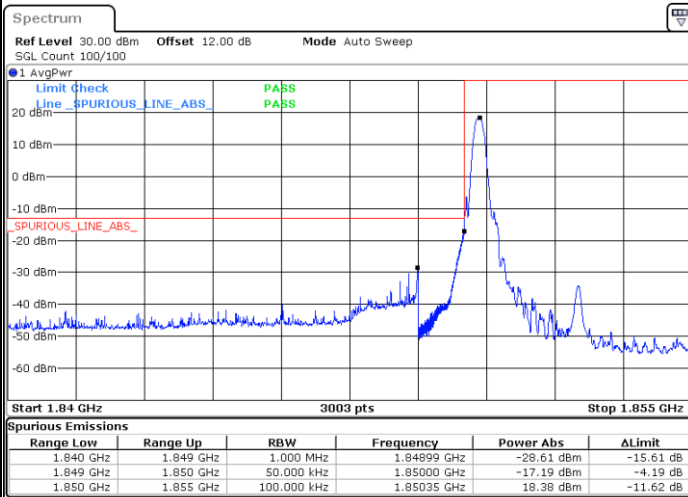
Date: 6.JUL.2020 14:16:36



## FR1 n2 / 5MHz / DFT-S OFDM / 16QAM

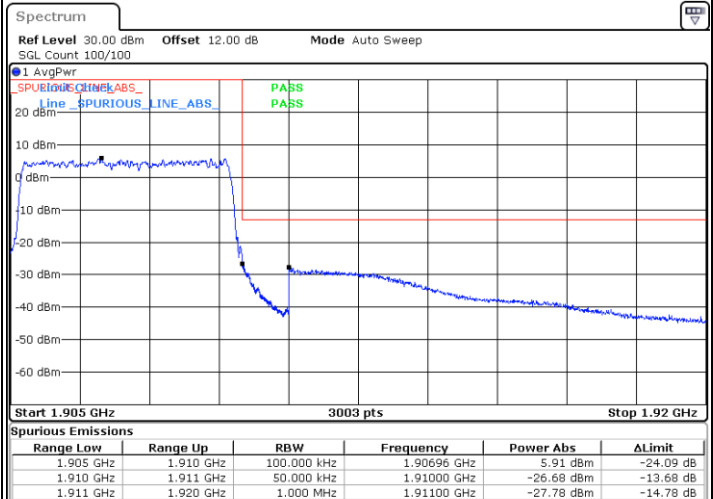
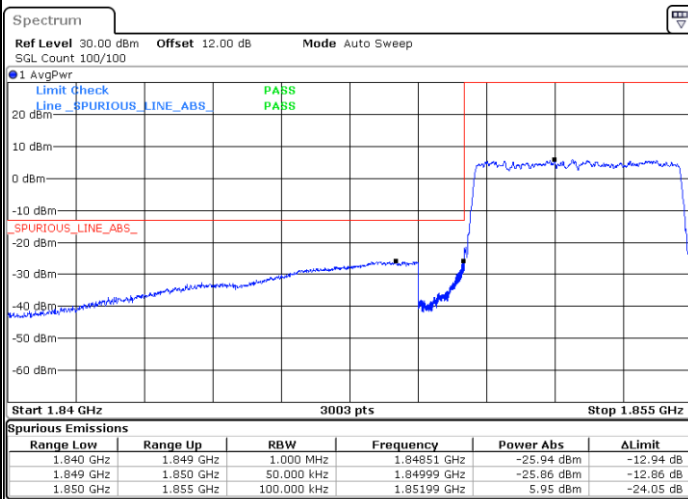
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

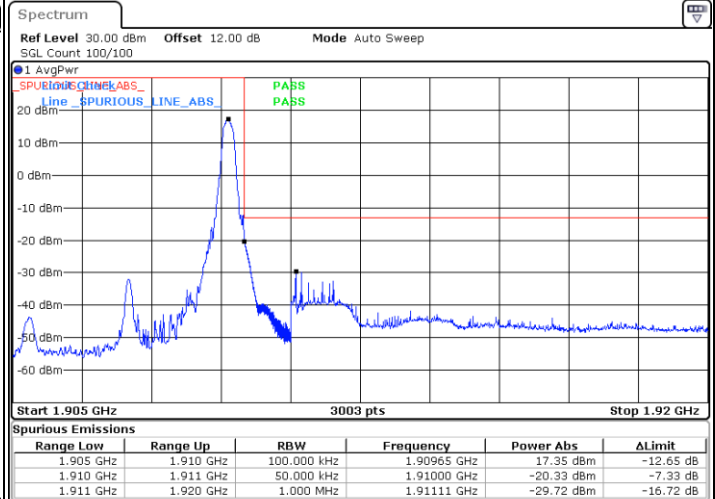
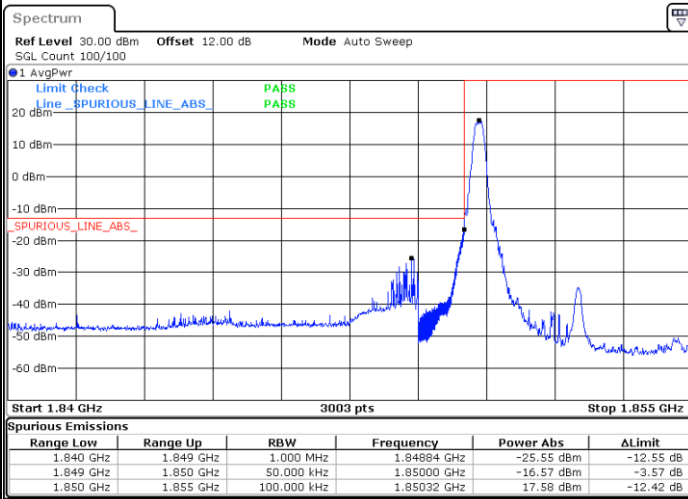




## FR1 n2 / 5MHz / DFT-S OFDM / 64QAM

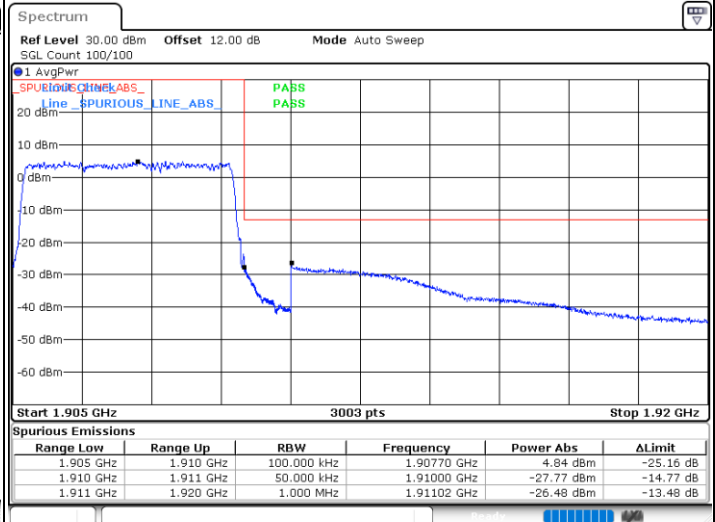
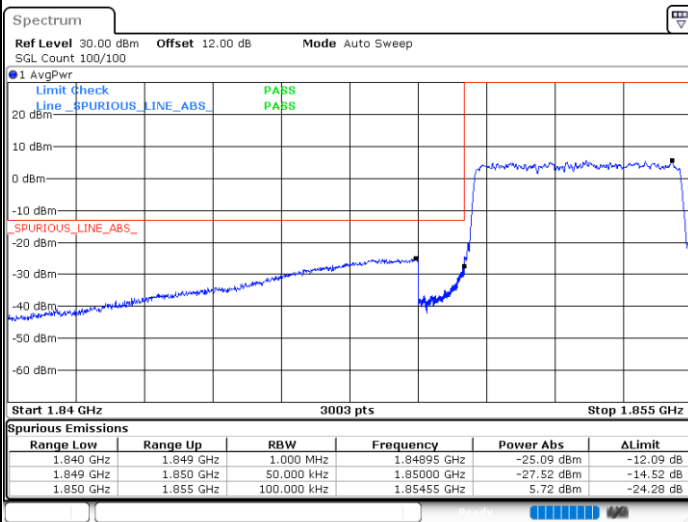
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



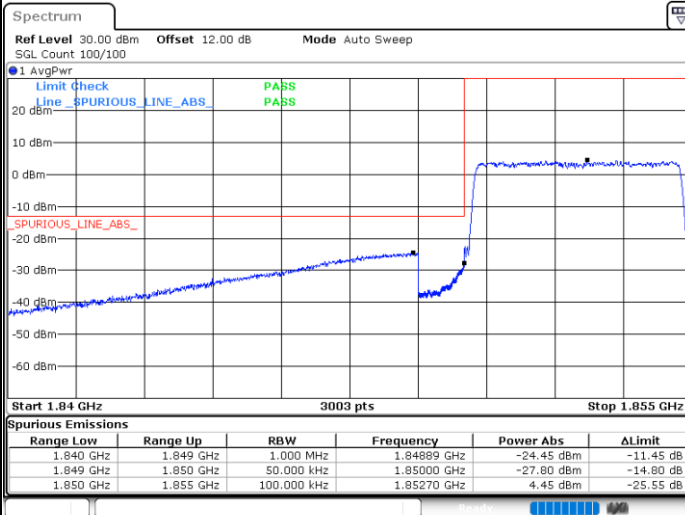




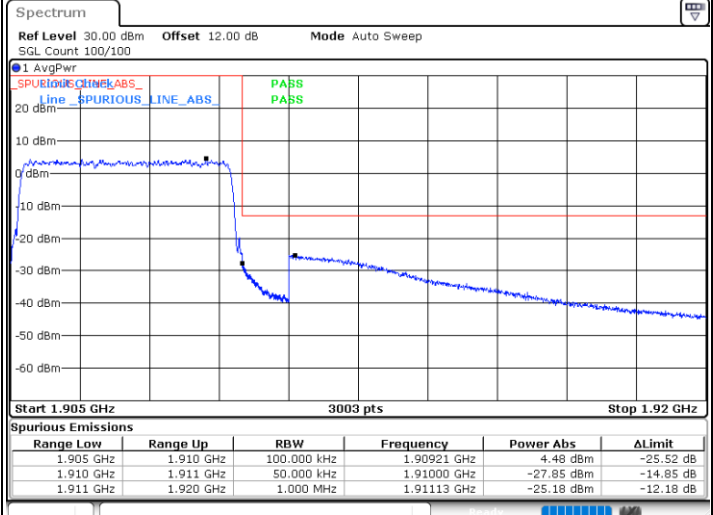
## FR1 n2 / 5MHz / CP OFDM / QPSK

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 6.JUL.2020 14:29:03



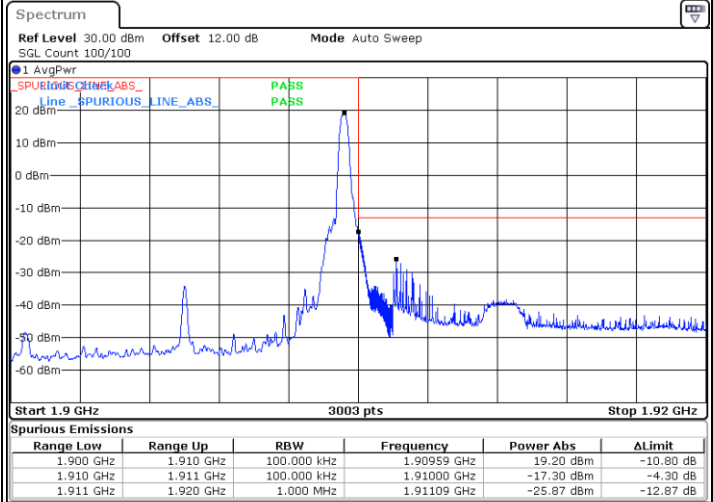
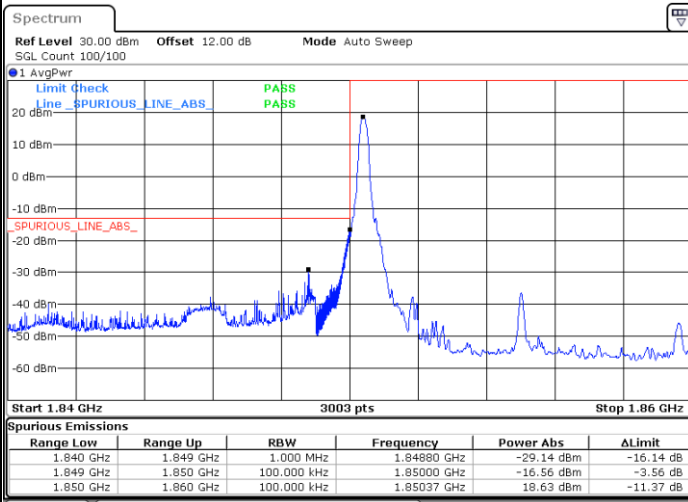
Date: 6.JUL.2020 14:25:11



## FR1 n2 / 10MHz / DFT-s-OFDM / PI/2 BPSK

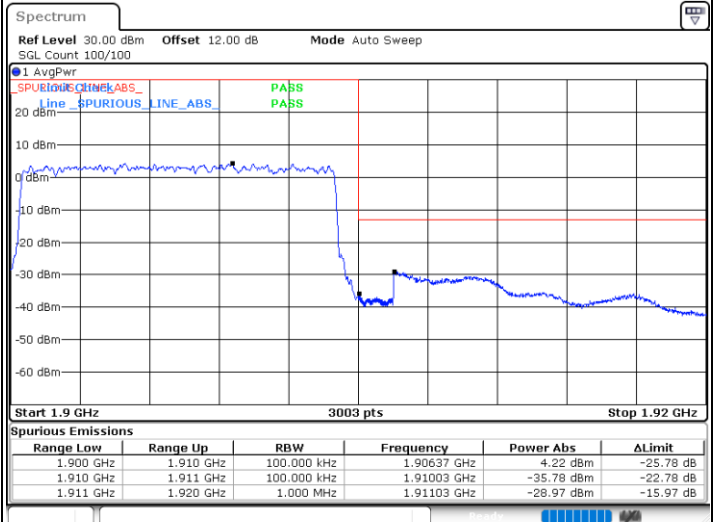
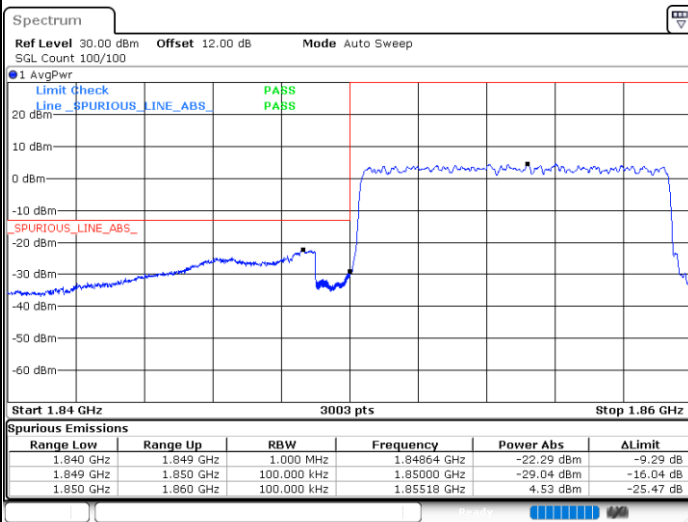
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

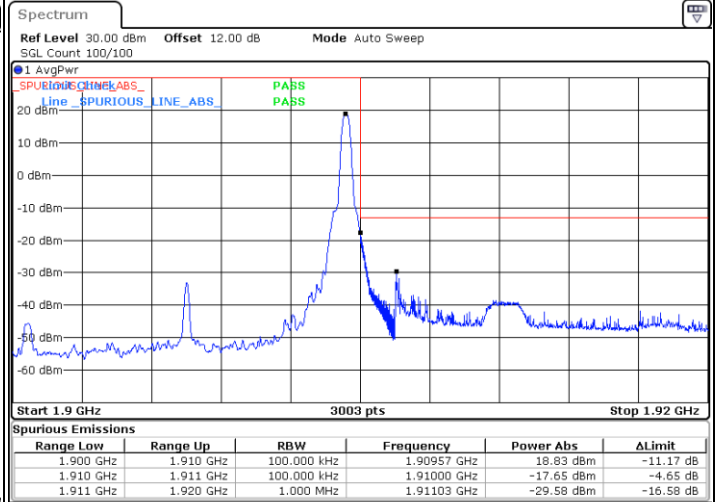
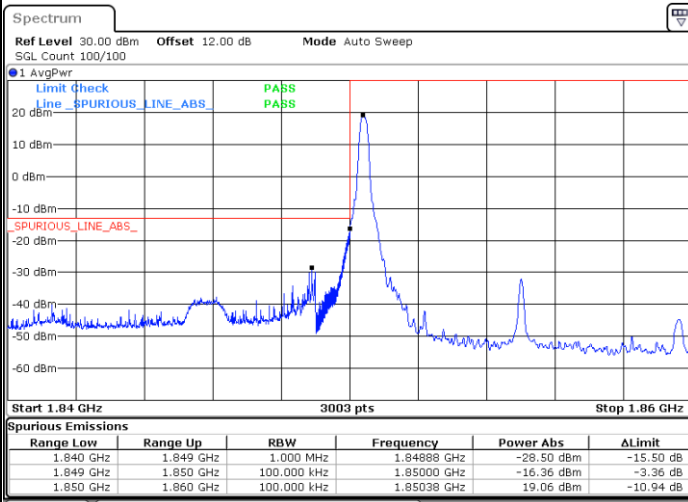




## FR1 n2 / 10MHz / DFT-s-OFDM / QPSK

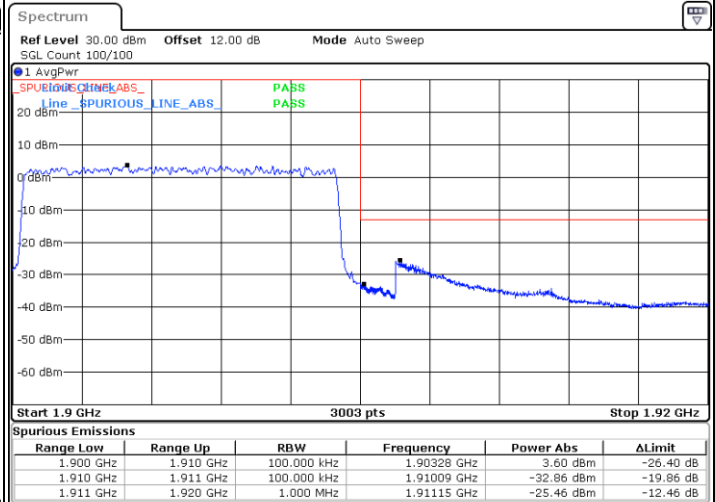
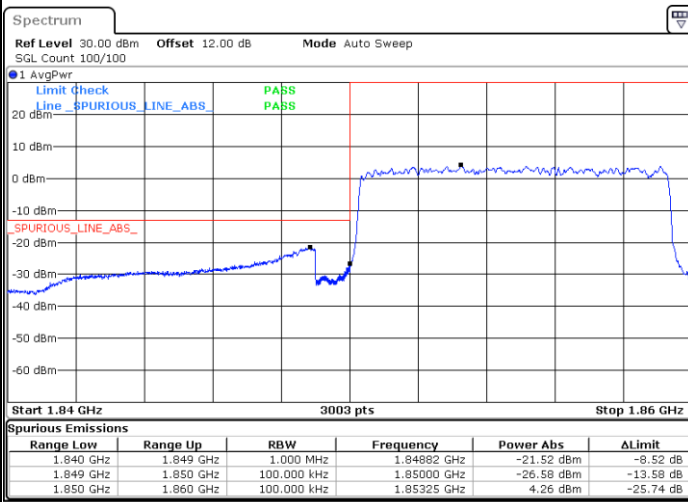
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

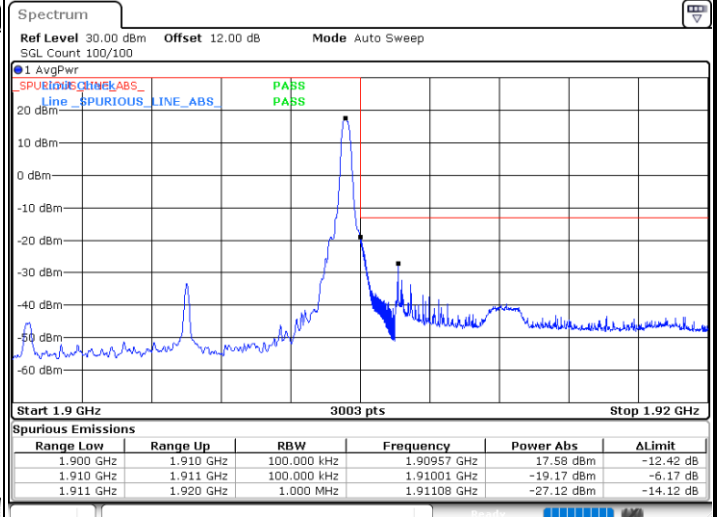
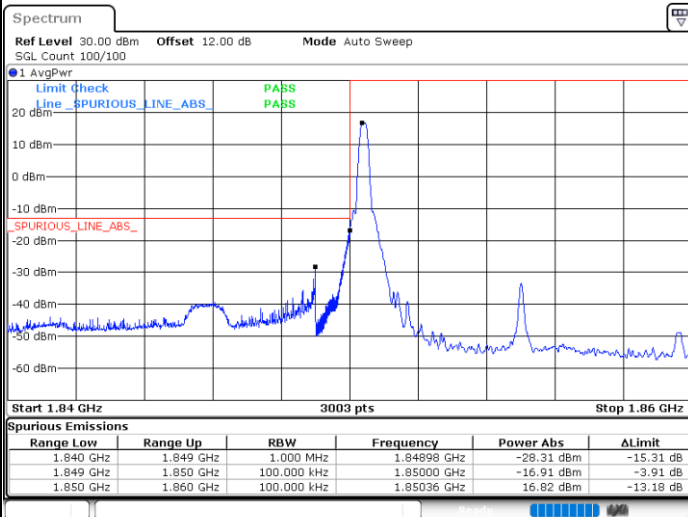




## FR1 n2 / 10MHz / DFT-s-OFDM / 16QAM

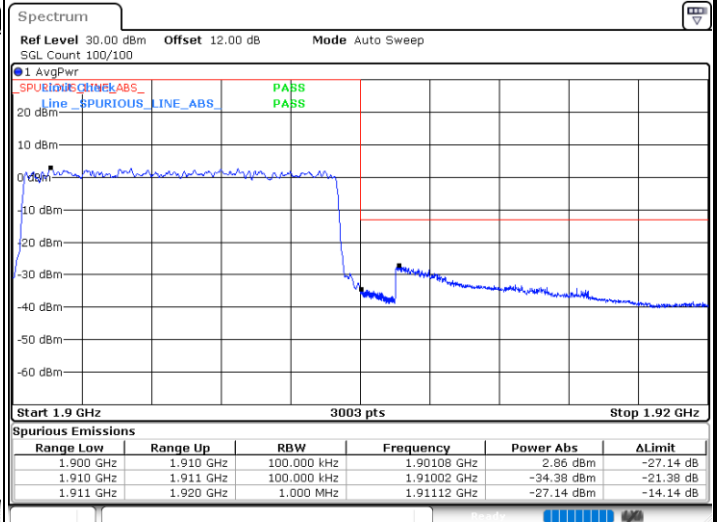
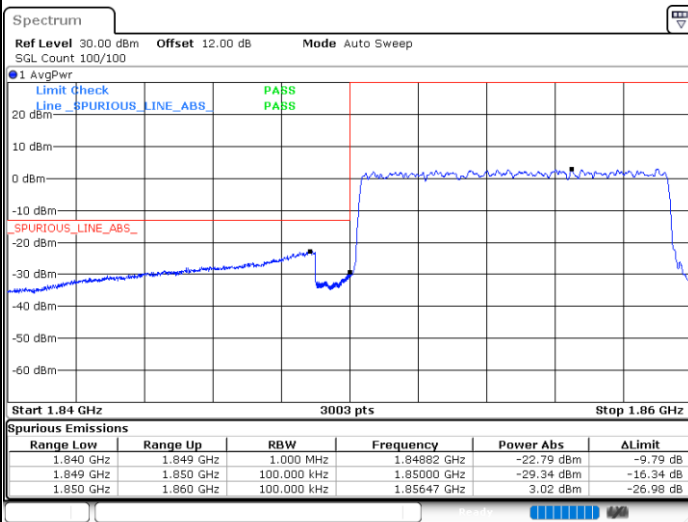
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

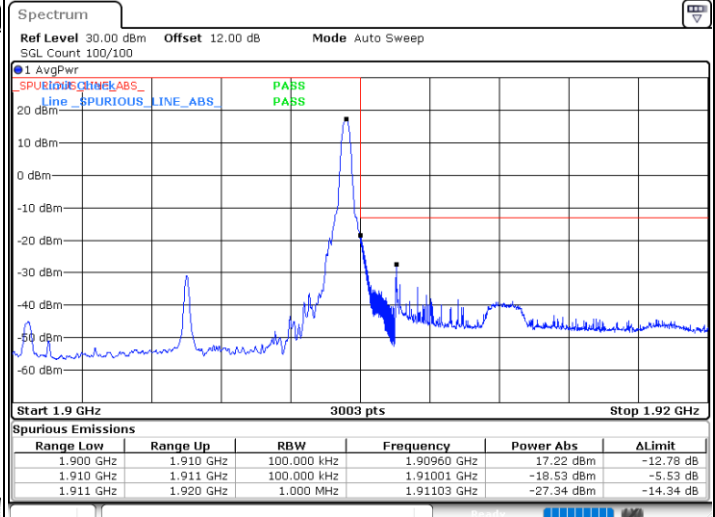
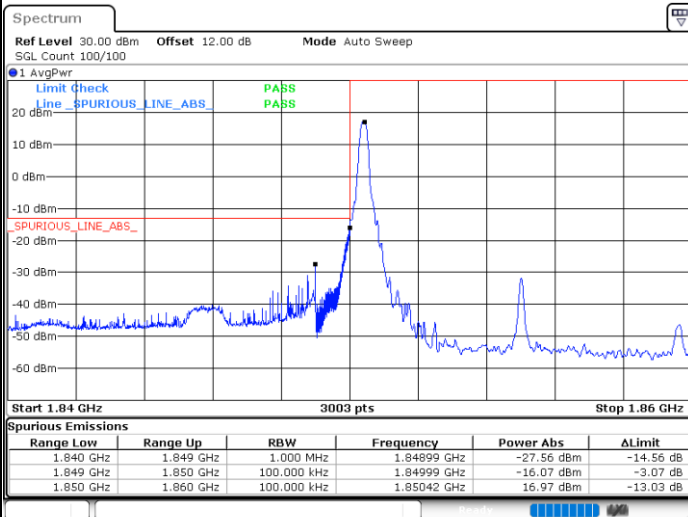




## FR1 n2 / 10MHz / DFT-s-OFDM / 64QAM

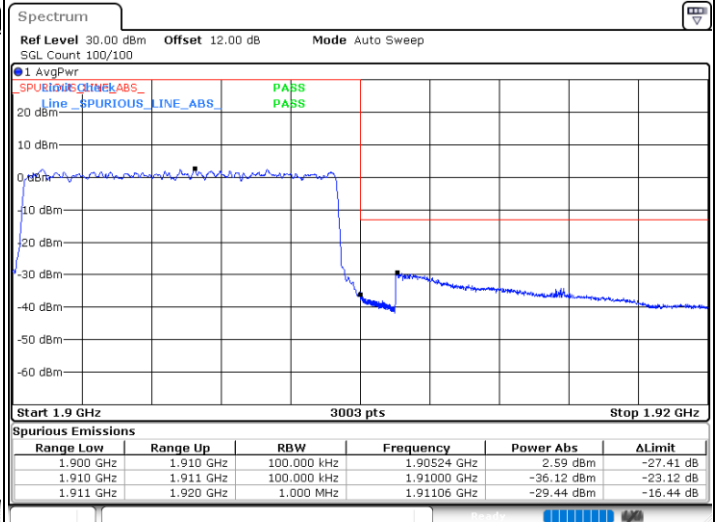
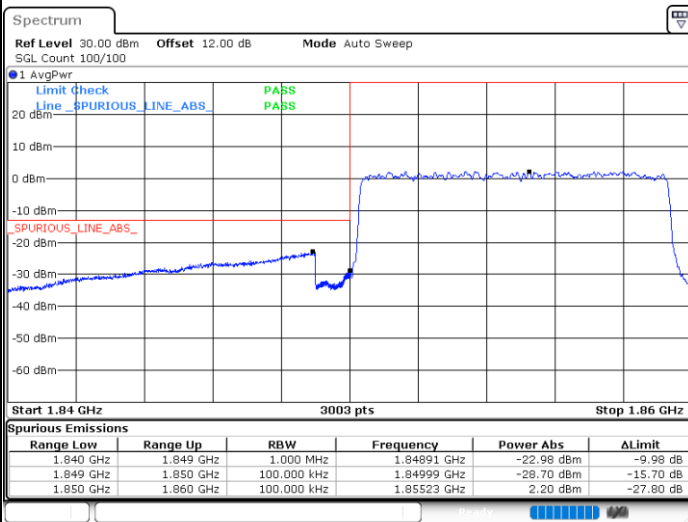
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

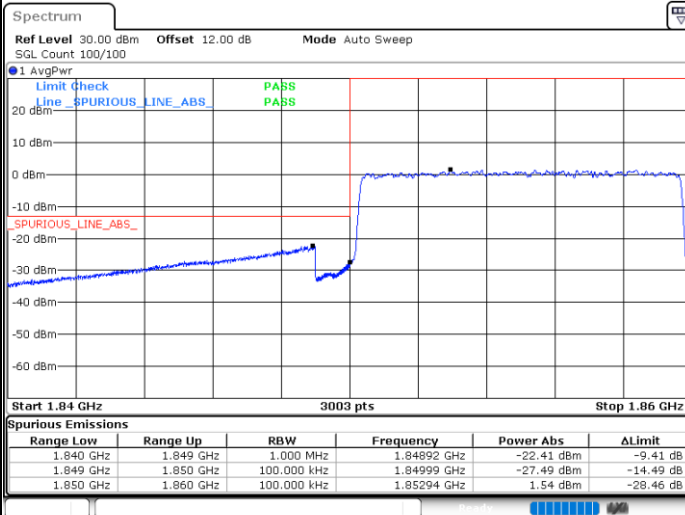




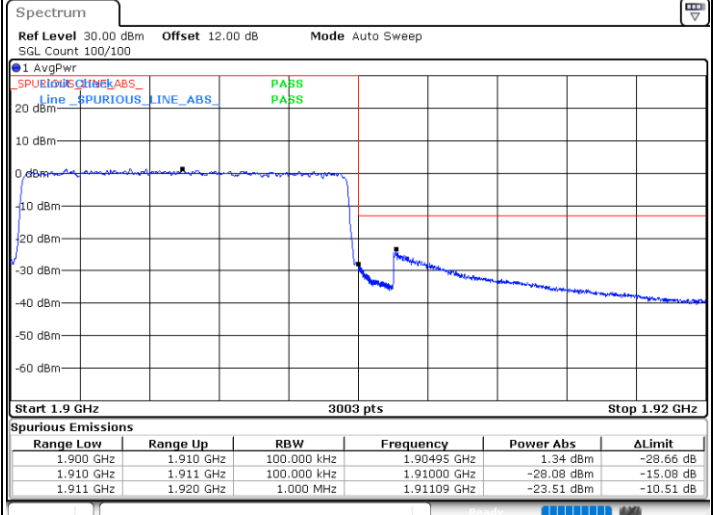
## FR1 n2 / 10MHz / CP OFDM / QPSK

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 6.JUL.2020 14:32:34



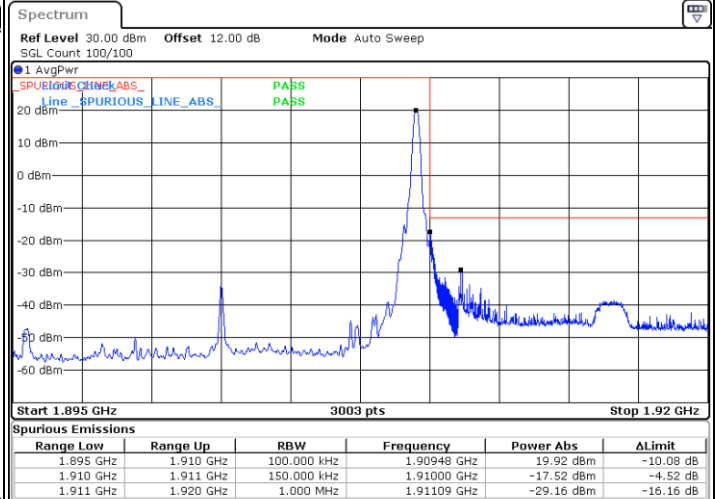
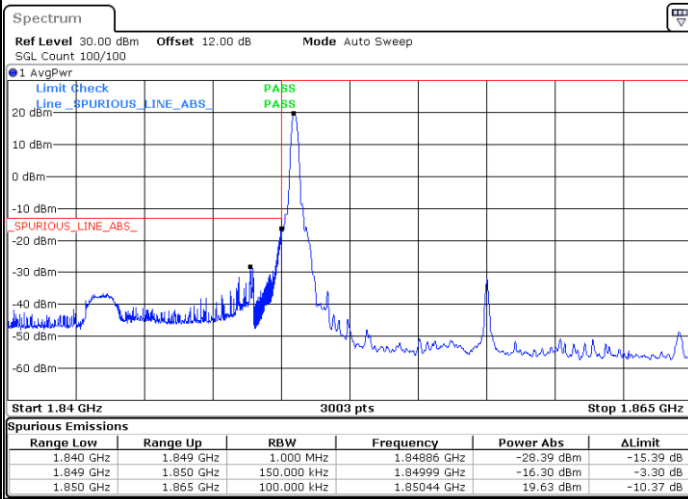
Date: 6.JUL.2020 14:36:23



## FR1 n2 / 15MHz / DFT-s-OFDM / PI/2 BPSK

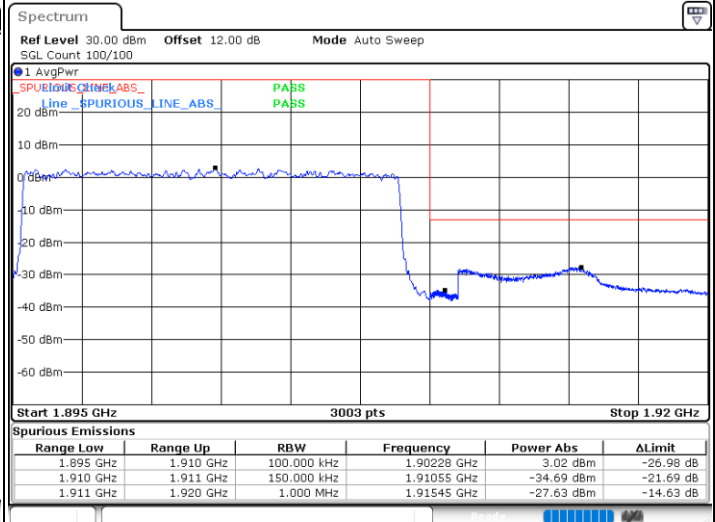
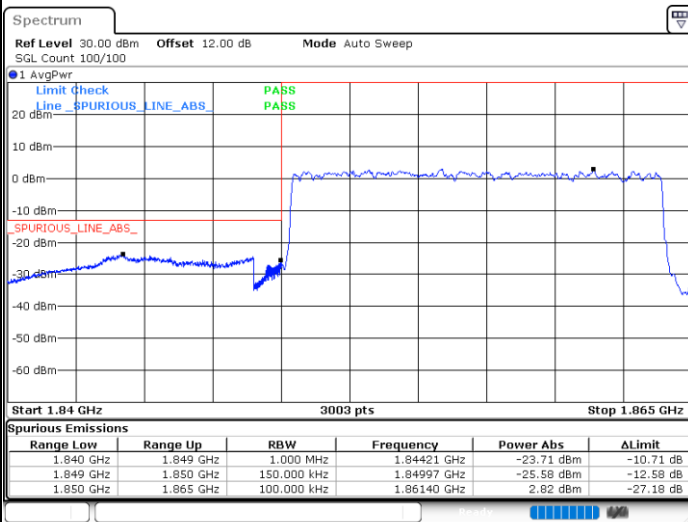
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

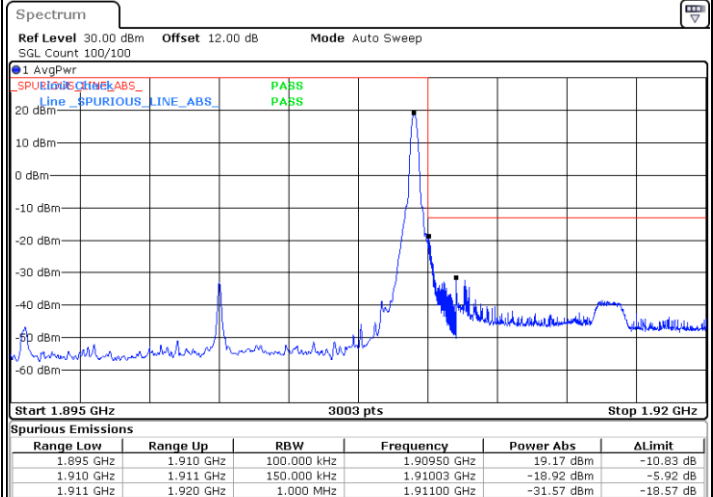
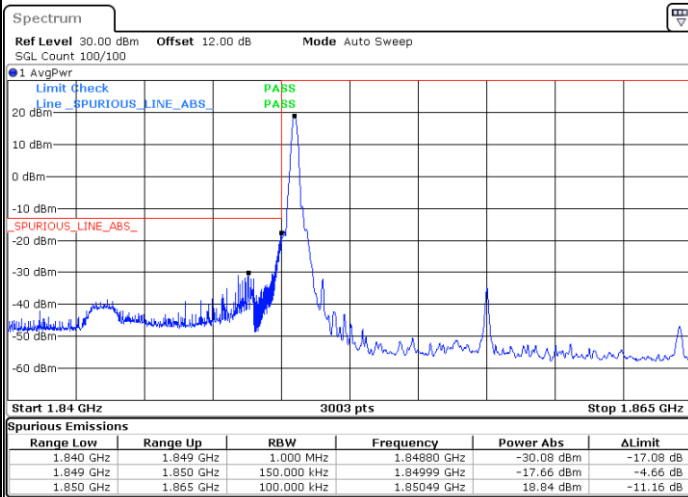




## FR1 n2 / 15MHz / DFT-s-OFDM / QPSK

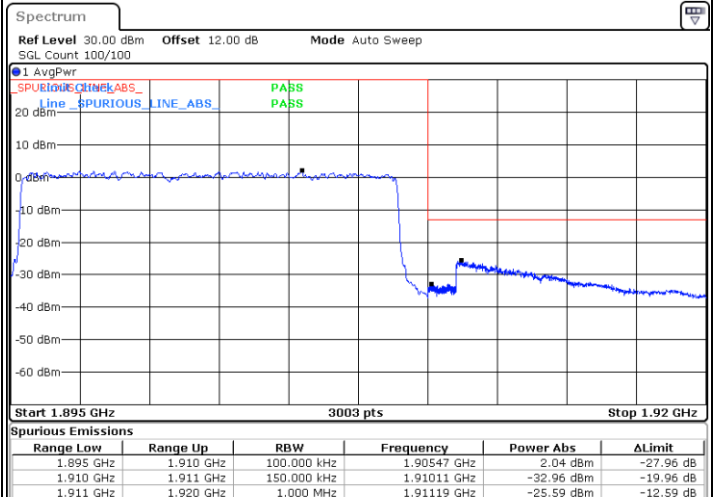
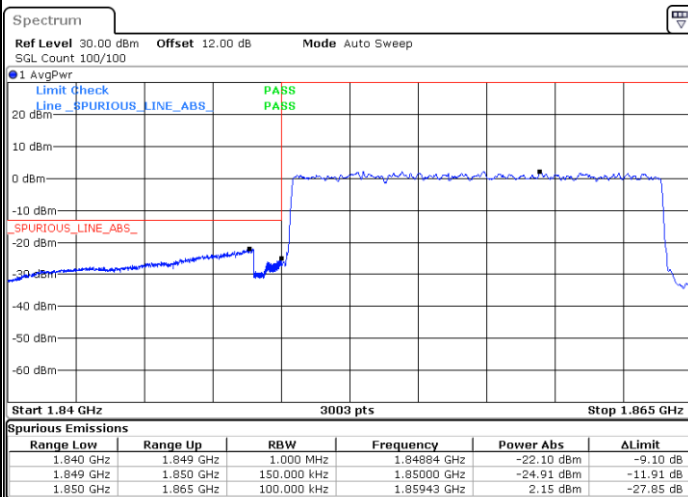
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



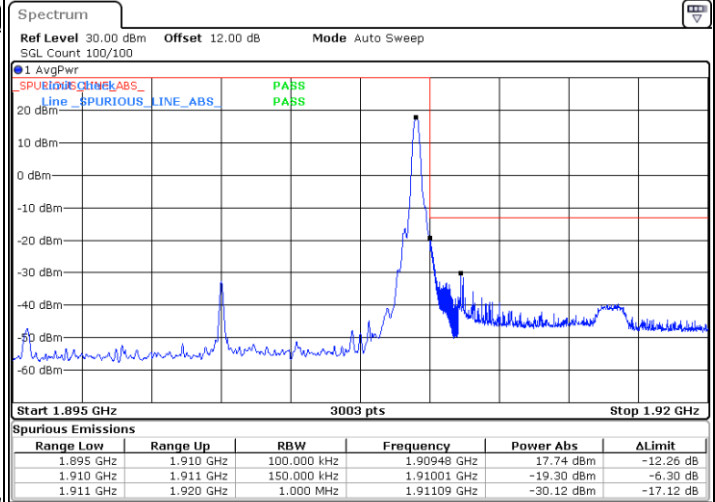
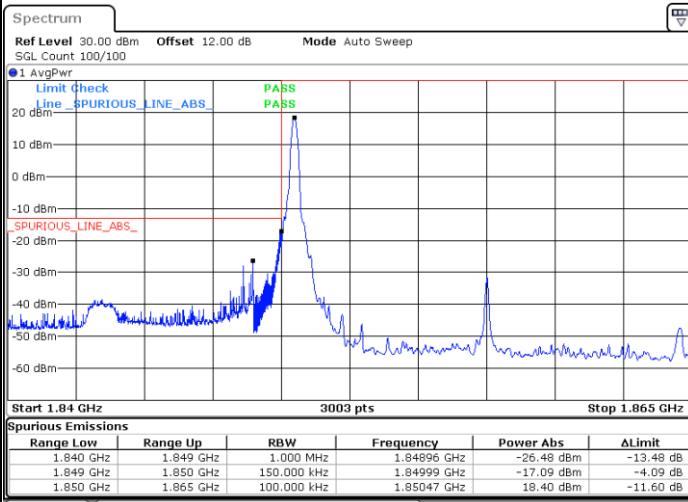




## FR1 n2 / 15MHz / DFT-s-OFDM / 16QAM

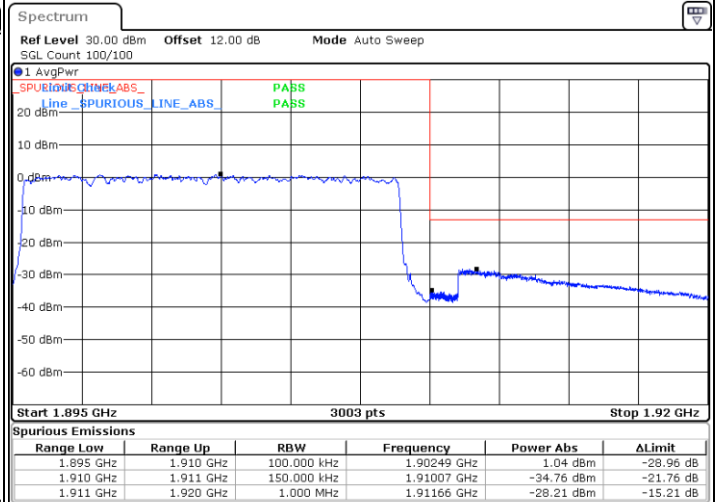
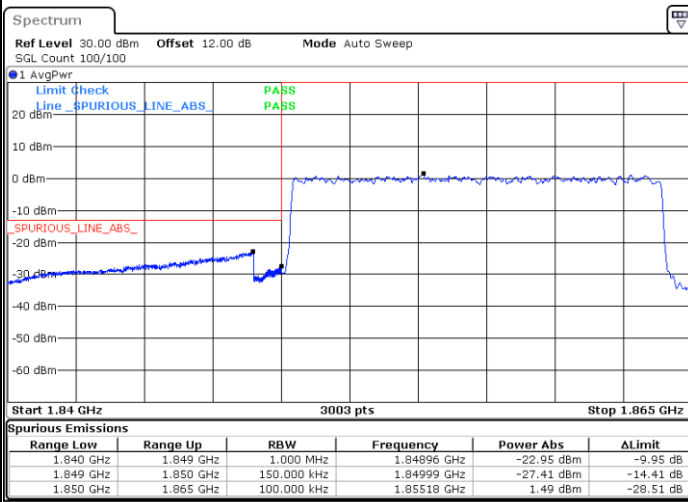
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

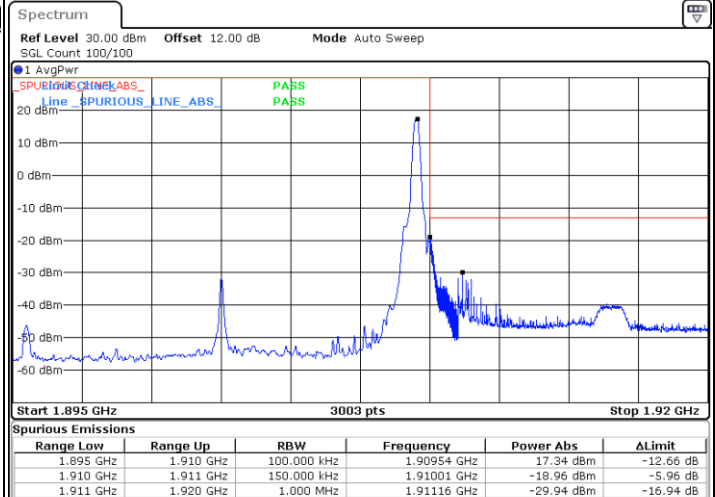
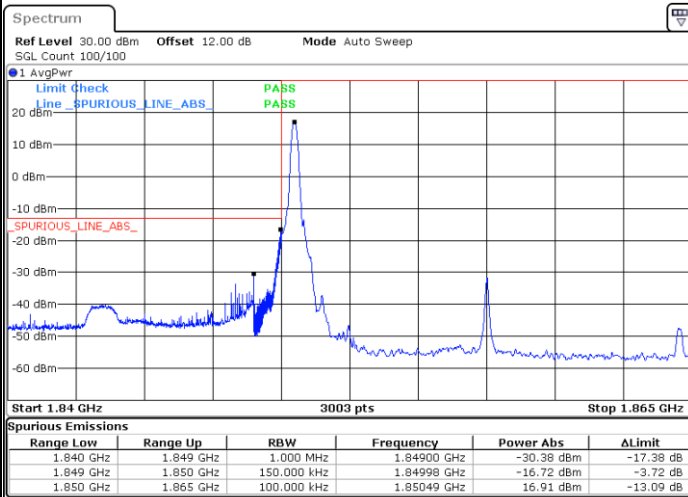




## FR1 n2 / 15MHz / DFT-s-OFDM / 64QAM

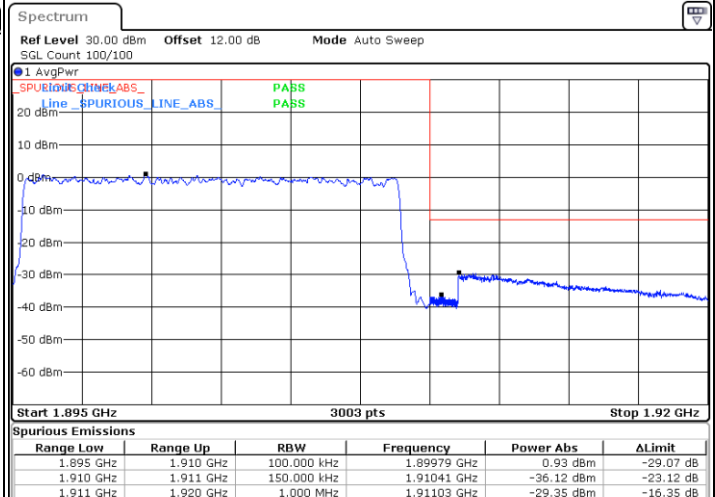
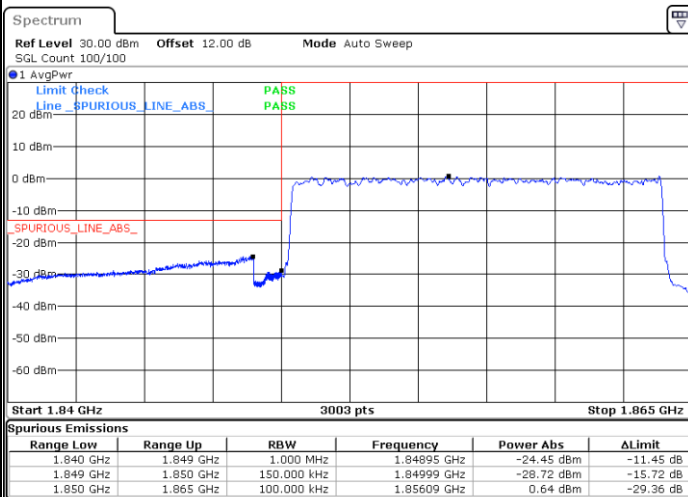
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

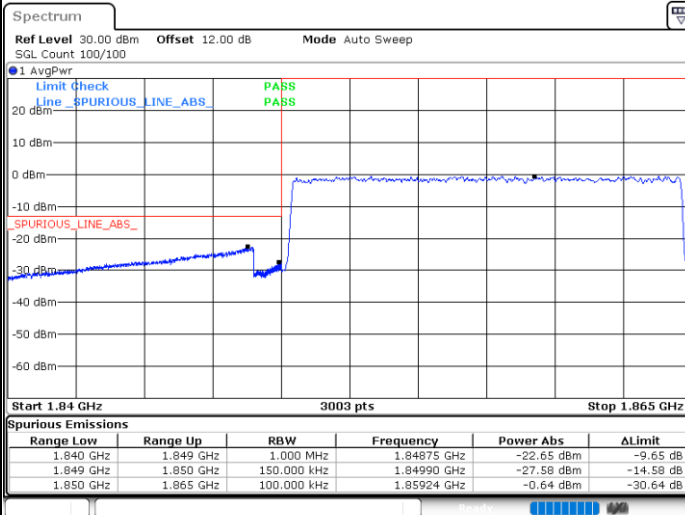




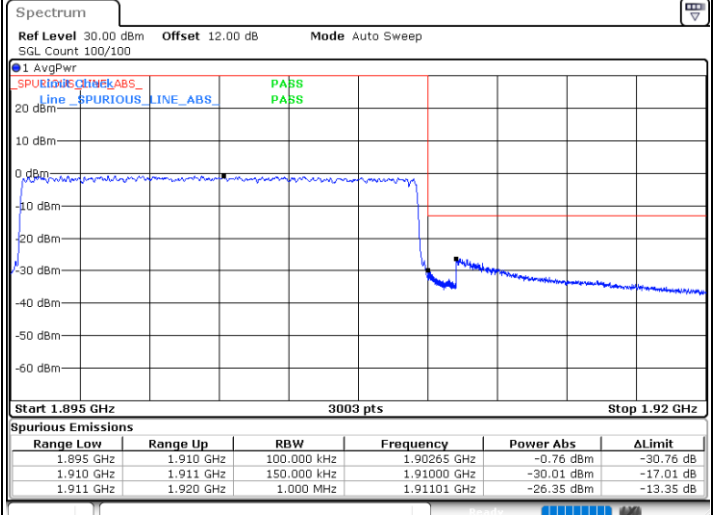
## FR1 n2 / 15MHz / CP OFDM / QPSK

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 6.JUL.2020 15:30:08



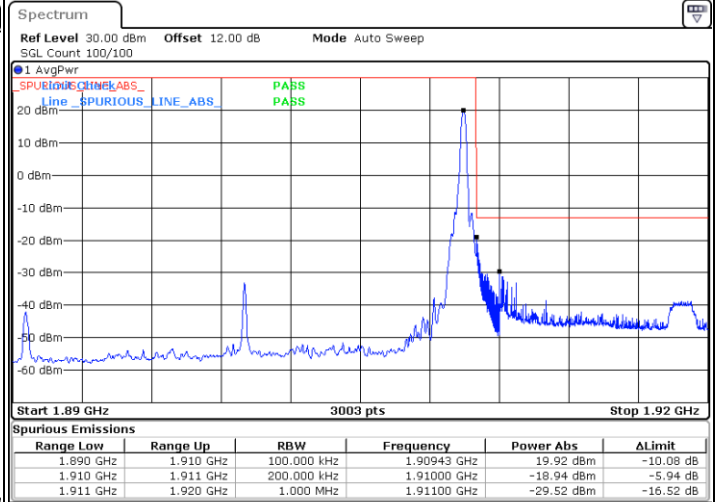
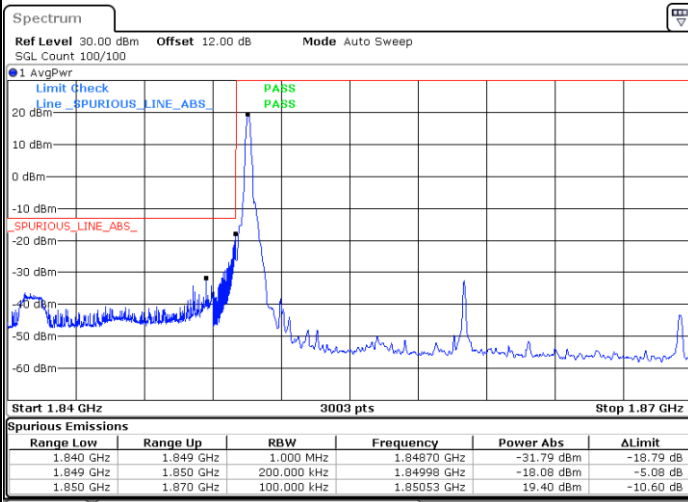
Date: 6.JUL.2020 15:27:34



## FR1 n2 / 20MHz / DFT-s-OFDM / PI/2 BPSK

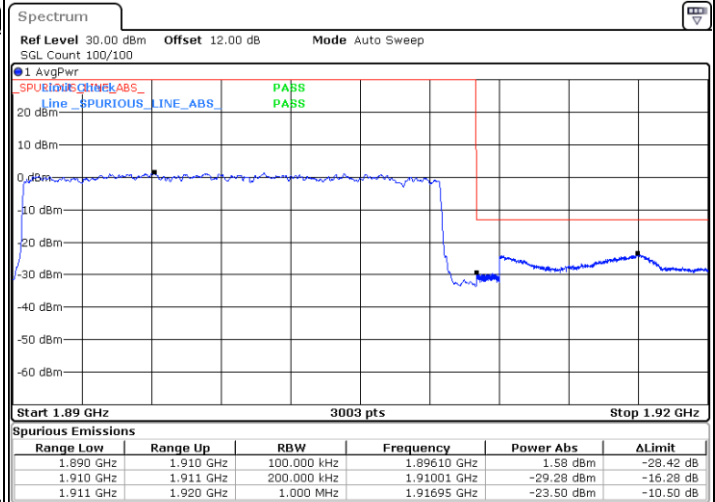
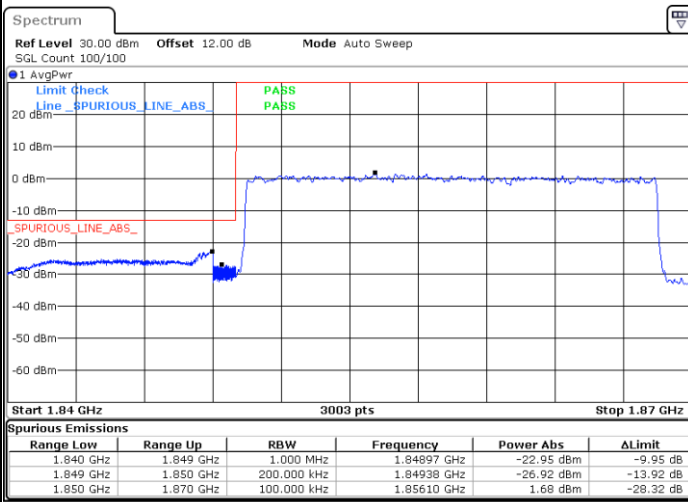
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

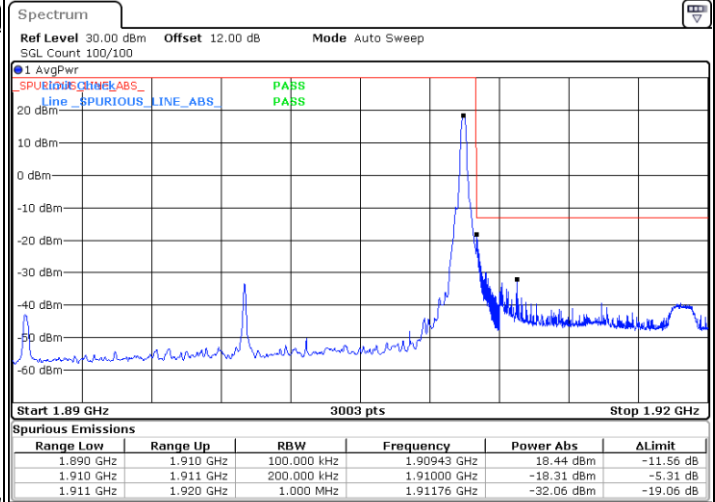
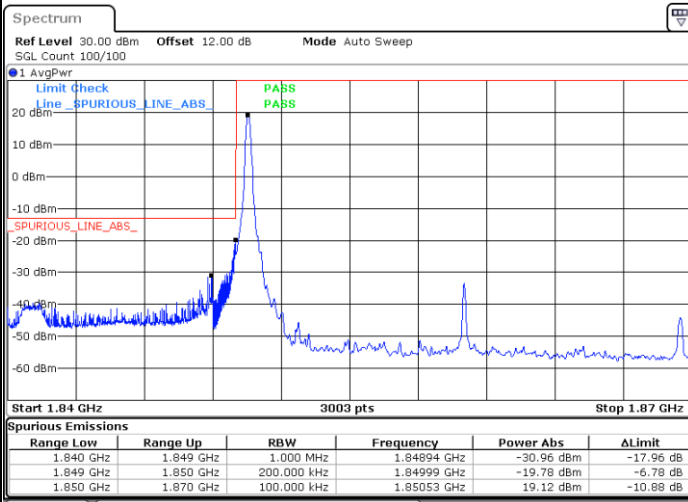




## FR1 n2 / 20MHz / DFT-s-OFDM / QPSK

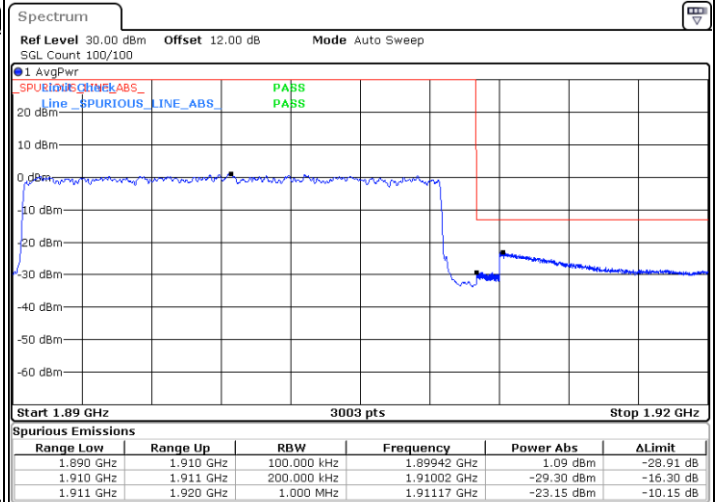
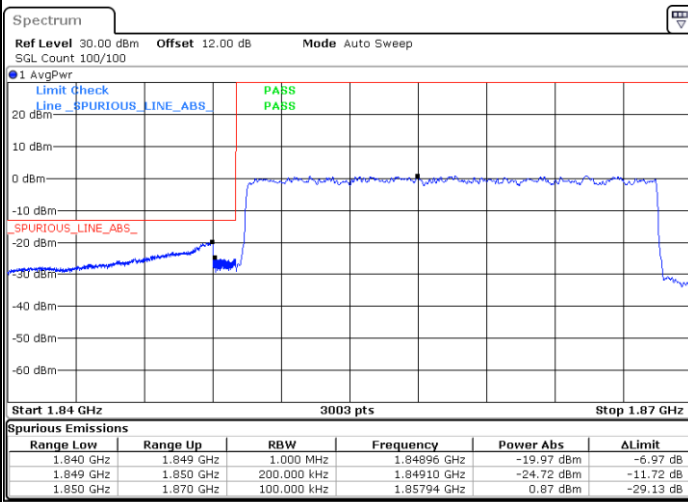
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

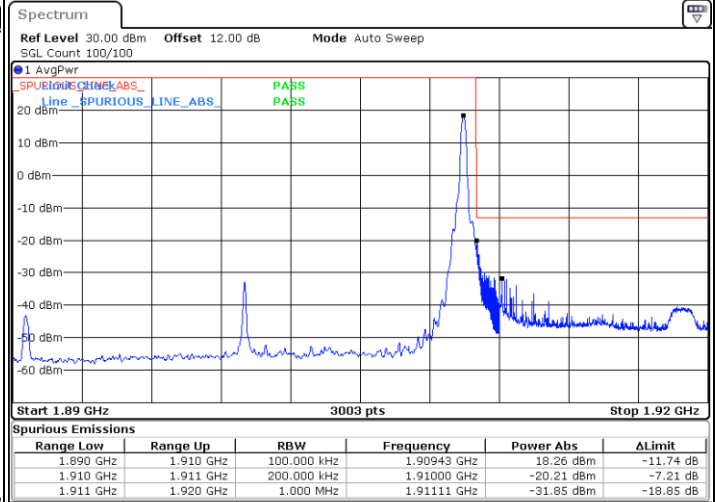
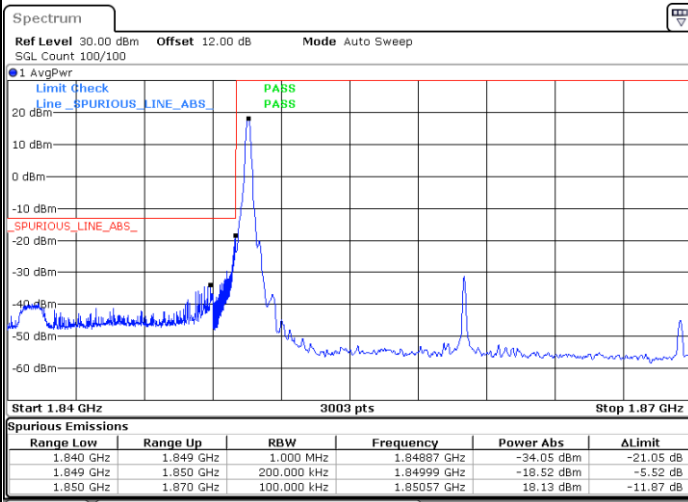




## FR1 n2 / 20MHz / DFT-s-OFDM / 16QAM

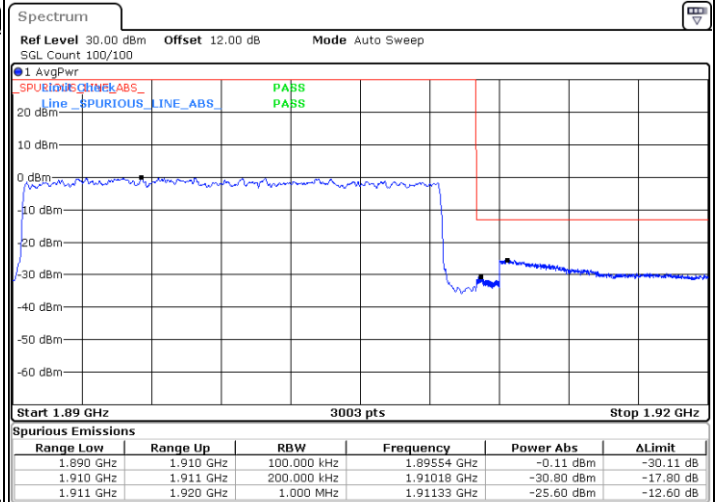
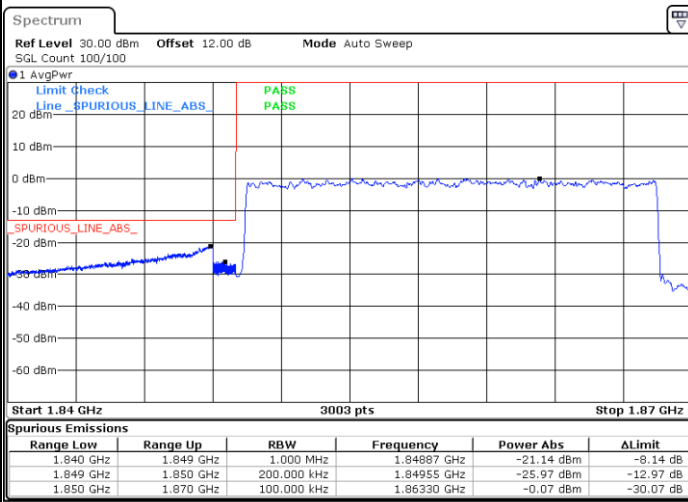
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

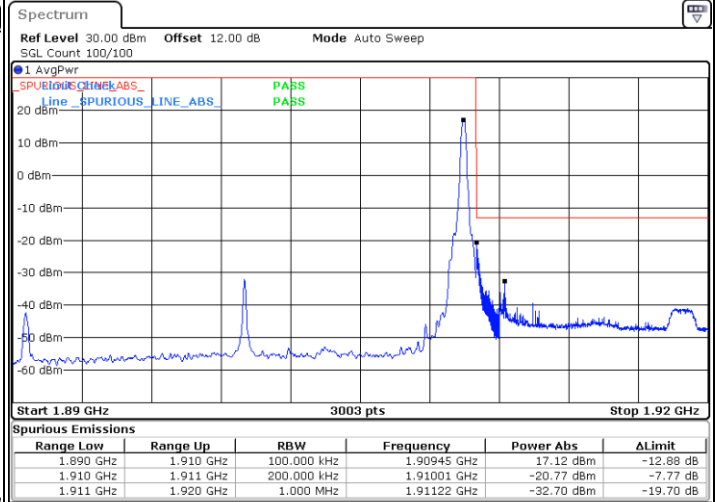
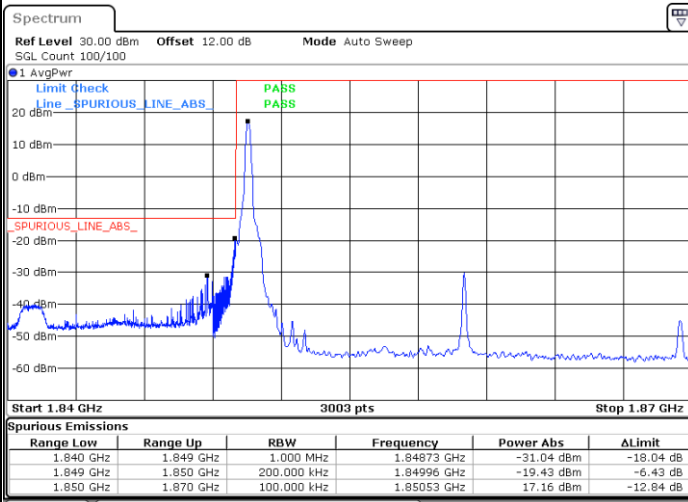




## FR1 n2 / 20MHz / DFT-s-OFDM / 64QAM

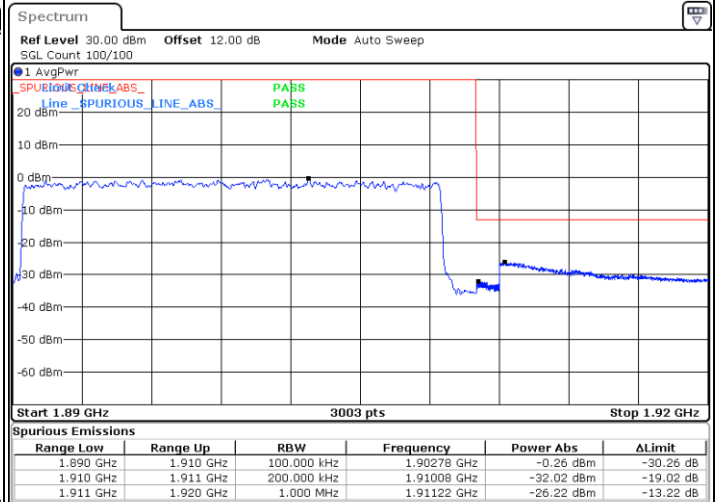
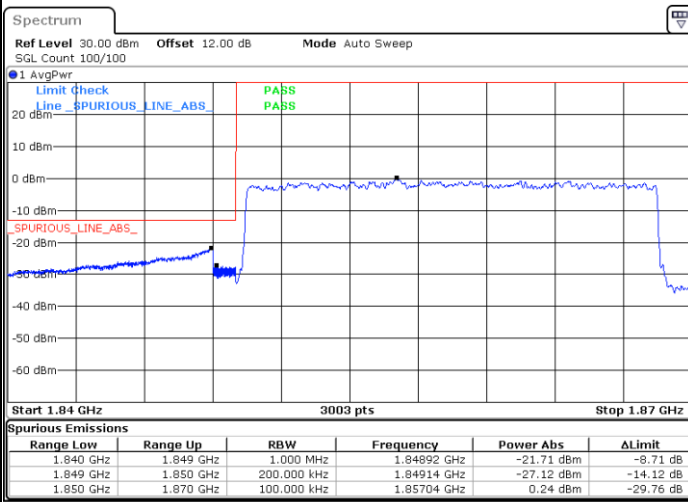
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

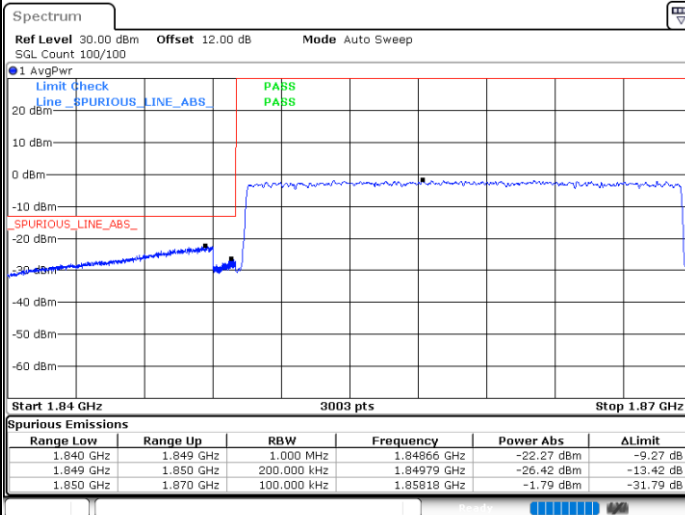




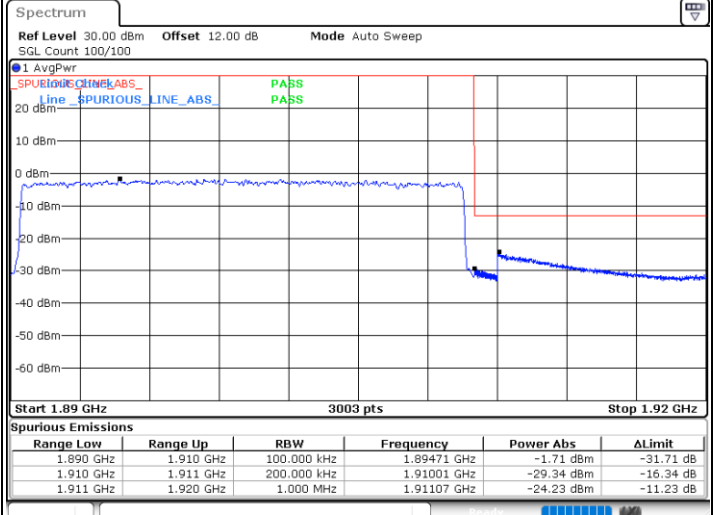
## FR1 n2 / 20MHz / CP OFDM / QPSK

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 6.JUL.2020 15:31:16



Date: 6.JUL.2020 15:34:04



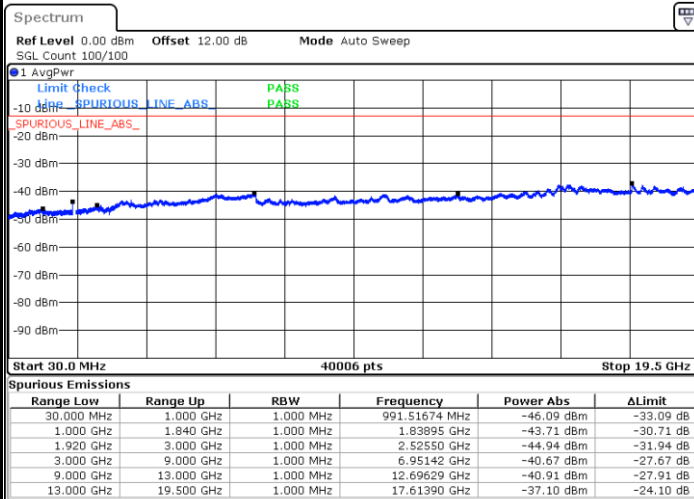


## Conducted Spurious Emission

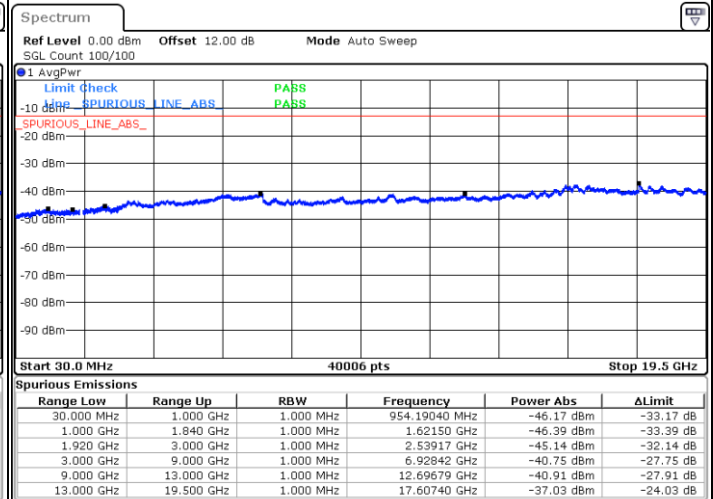
FR1 n2 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

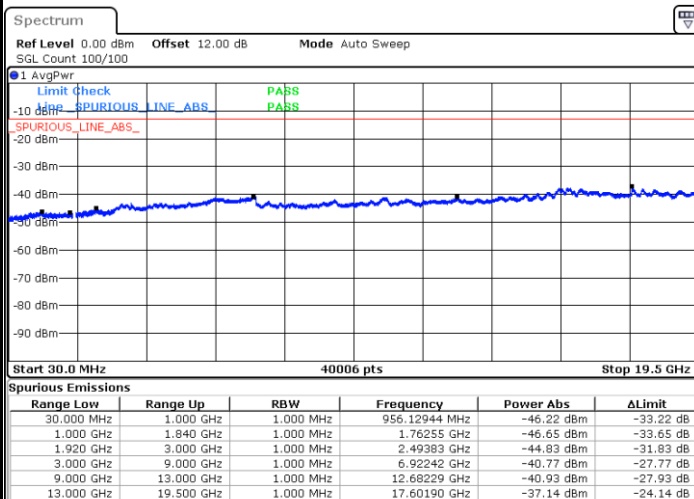


Date: 6.JUL.2020 14:12:25



Date: 6.JUL.2020 14:13:35

Highest Channel / 1RB1

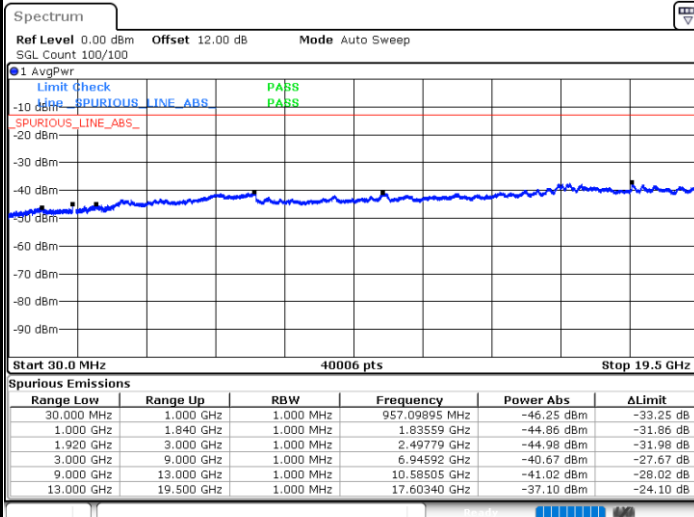


Date: 6.JUL.2020 14:22:37



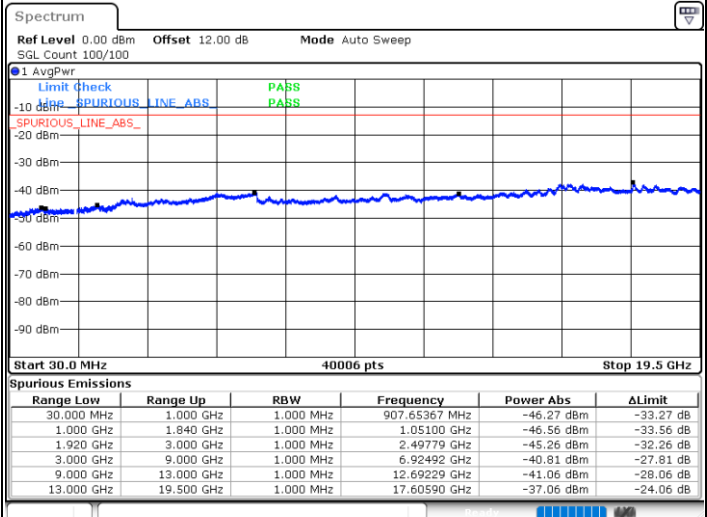
**FR1 n2 / 10MHz / DFT-S OFDM / QPSK**

### Lowest Channel / 1RB1



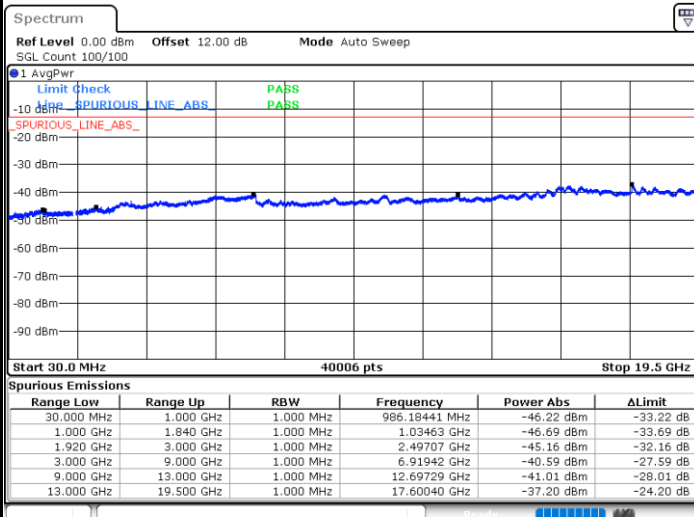
Date: 6.JUL.2020 14:55:11

### Middle Channel / 1RB1



Date: 6.JUL.2020 14:45:53

### Highest Channel / 1RB1

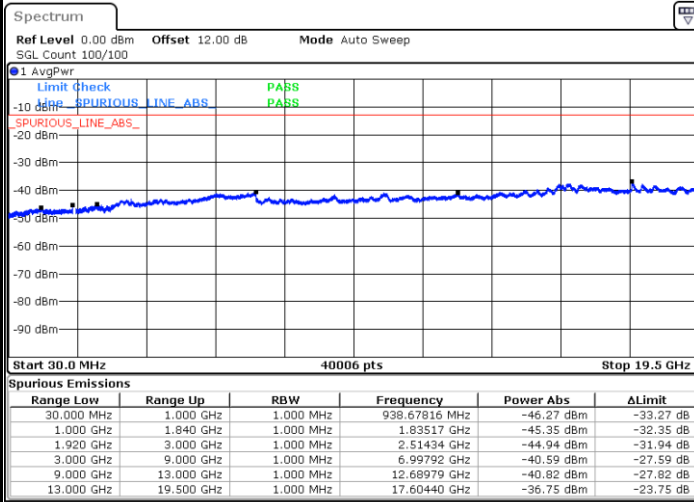


Date: 6.JUL.2020 14:44:37



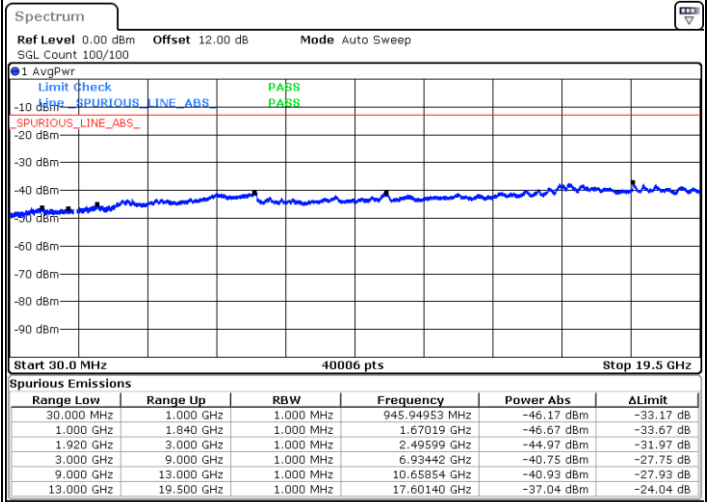
## FR1 n2 / 15MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB1



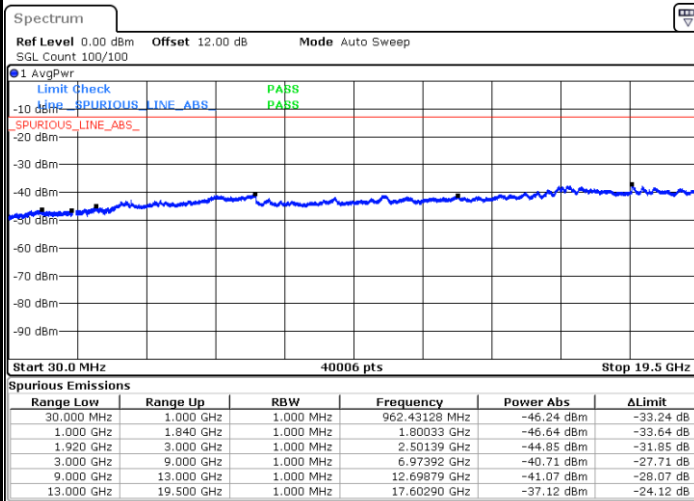
Date: 6.JUL.2020 15:10:12

## Middle Channel / 1RB1



Date: 6.JUL.2020 15:11:29

## Highest Channel / 1RB1

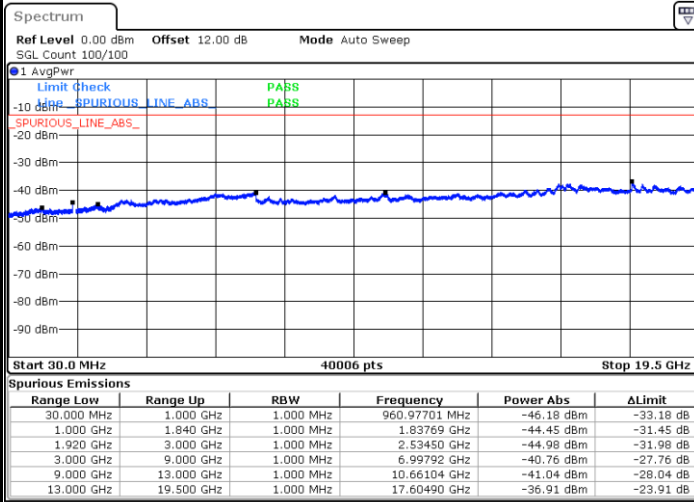


Date: 6.JUL.2020 15:19:52



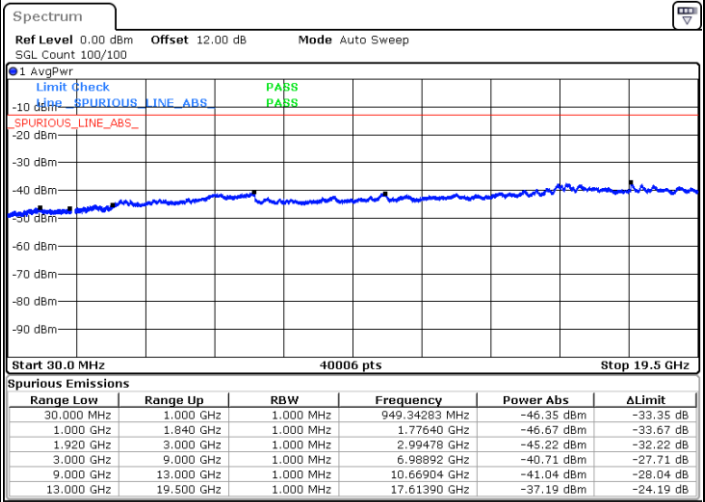
## FR1 n2 / 20MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB1



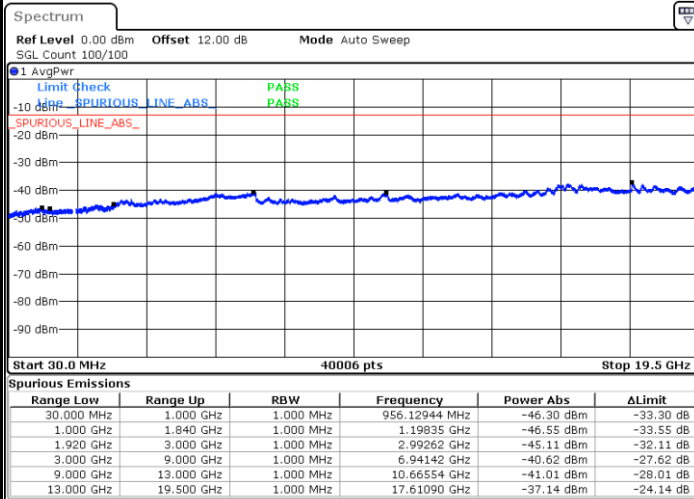
Date: 6.JUL.2020 15:44:42

## Middle Channel / 1RB1



Date: 6.JUL.2020 15:39:45

## Highest Channel / 1RB1



Date: 6.JUL.2020 15:38:29

## Frequency Stability

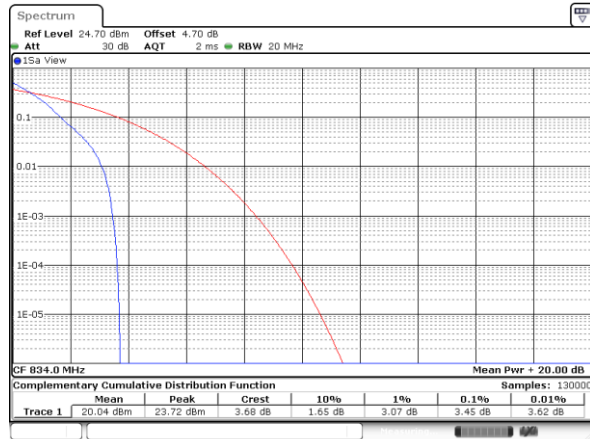
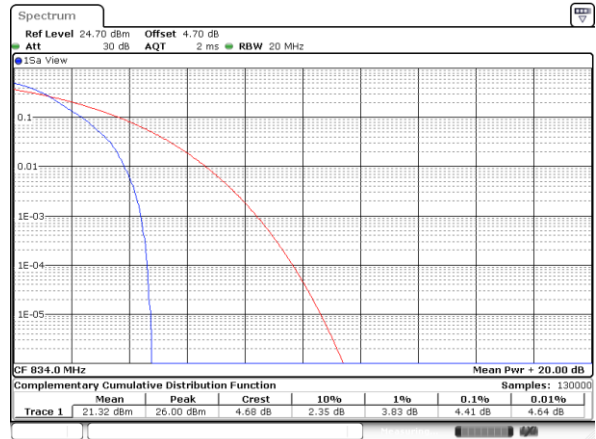
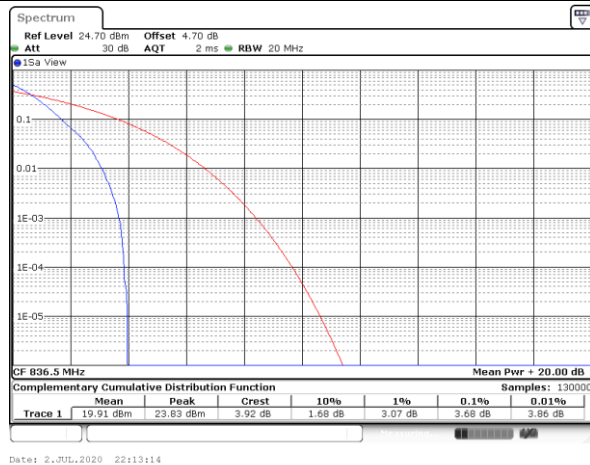
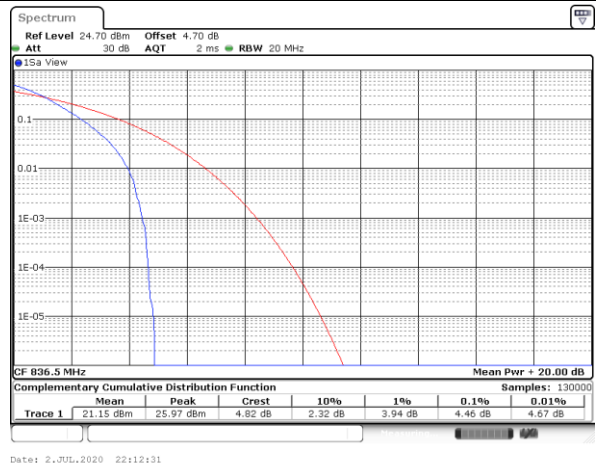
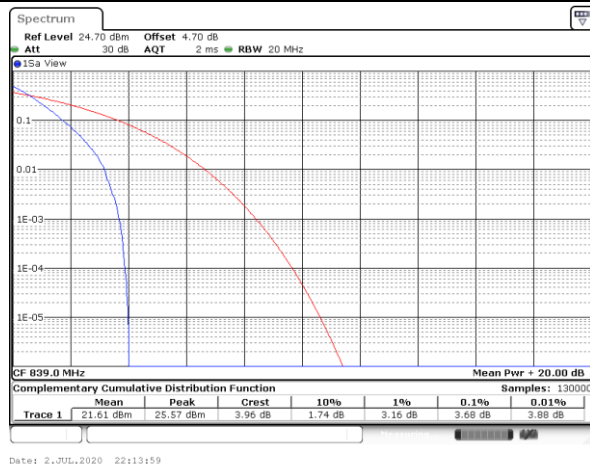
| Test Conditions  |                   | FR1 n2 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|--------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 20MHz                       | Note 2. |
|                  |                   | Deviation (ppm)                | Result  |
| 50               | Normal Voltage    | 0.0028                         | PASS    |
| 40               | Normal Voltage    | 0.0010                         |         |
| 30               | Normal Voltage    | 0.0030                         |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                         |         |
| 10               | Normal Voltage    | 0.0006                         |         |
| 0                | Normal Voltage    | 0.0045                         |         |
| -10              | Normal Voltage    | 0.0032                         |         |
| -20              | Normal Voltage    | 0.0016                         |         |
| -30              | Normal Voltage    | 0.0028                         |         |
| 20               | Maximum Voltage   | 0.0009                         |         |
| 20               | Normal Voltage    | 0.0043                         |         |
| 20               | Battery End Point | 0.0019                         |         |

**Note:**

1. Normal Voltage =4 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

**FR1 n5****Peak-to-Average Ratio**

| Mode       | FR1 n5 / 20MHz / DFT-S OFDM |         |         |         |             |
|------------|-----------------------------|---------|---------|---------|-------------|
| Mod.       | PI/2 BPSK                   | QPSK    | 16QAM   | 64QAM   | Limit: 13dB |
| RB Size    | Full RB                     | Full RB | Full RB | Full RB | Result      |
| Lowest CH  | 3.45                        | 4.41    | 5.62    | 5.91    | <b>PASS</b> |
| Middle CH  | 3.68                        | 4.46    | 5.57    | 6.00    |             |
| Highest CH | 3.68                        | 4.46    | 5.62    | 5.97    |             |

**FR1 n5 / 20MHz / DFT-S OFDM**
**PI/2 BPSK**
**Lowest Channel / Full RB**

**QPSK**
**Lowest Channel / Full RB**

**Middle Channel / Full RB**

**Middle Channel / Full RB**

**Highest Channel / Full RB**

**Highest Channel / Full RB**
