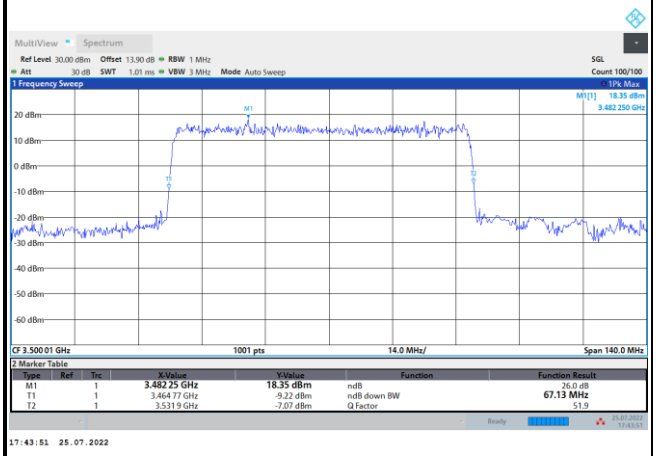
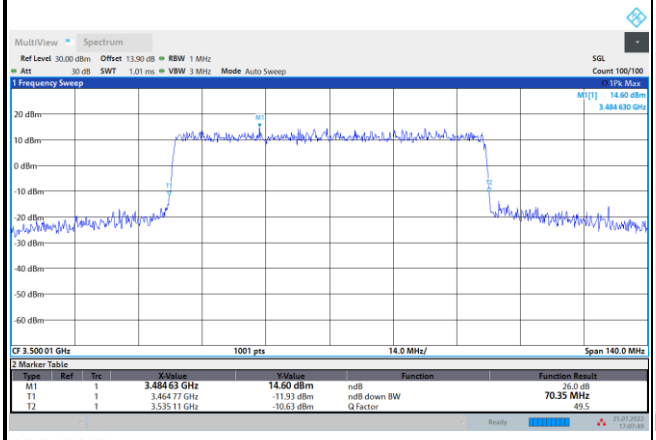
## FR1 n77 / 70MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

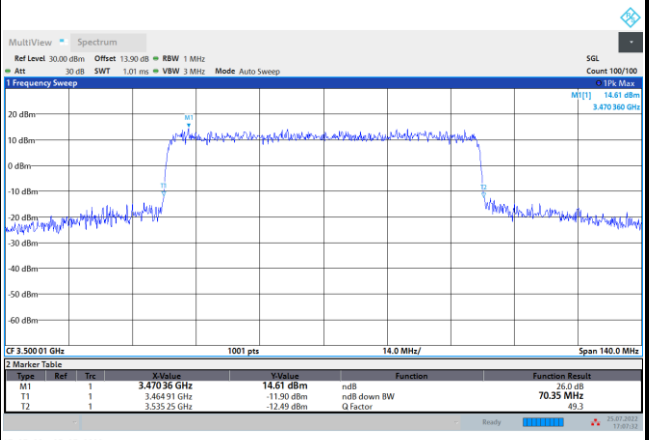



## FR1 n77 / 70MHz / CP OFDM / Middle Channel / Full RB

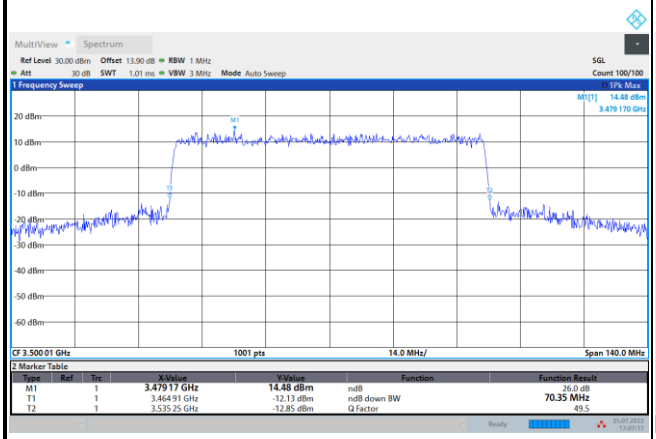
### QPSK



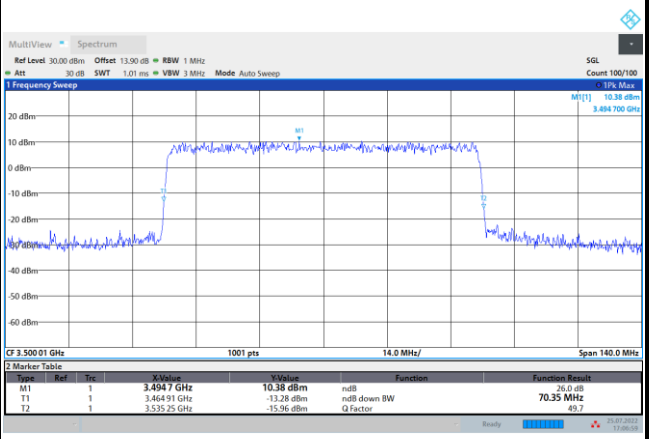

### 16QAM




### 64QAM

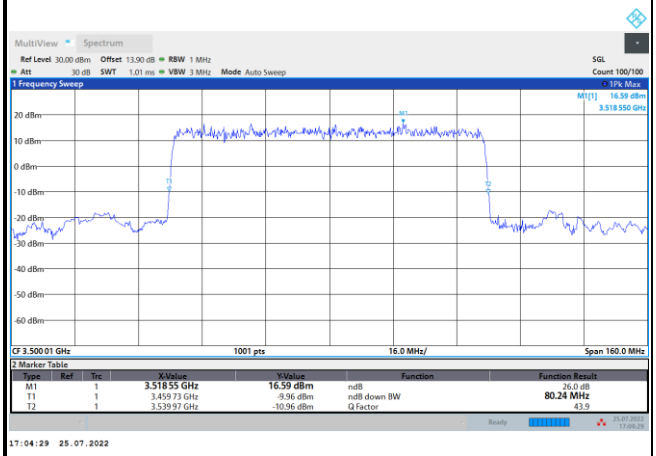



### 256QAM



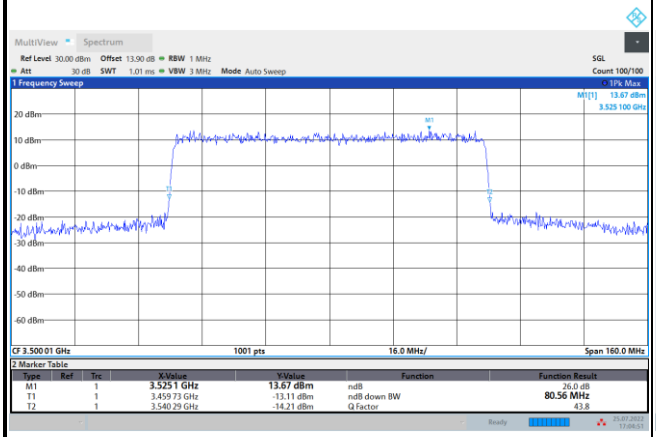
## FR1 n77 / 80MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

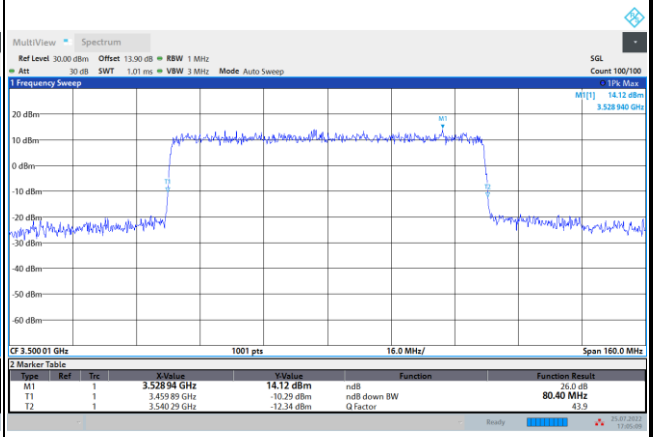



## FR1 n77 / 80MHz / CP OFDM / Middle Channel / Full RB

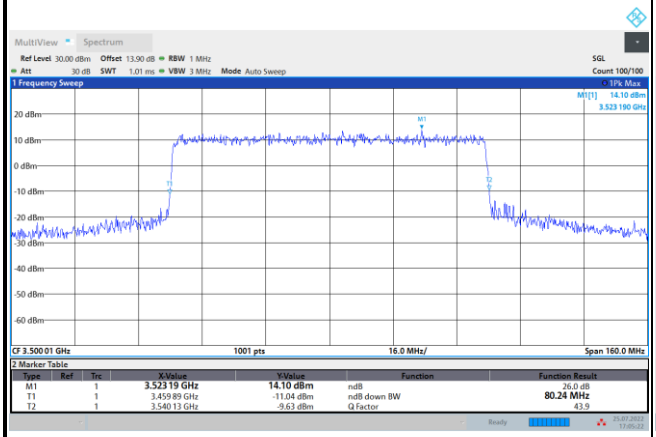
### QPSK



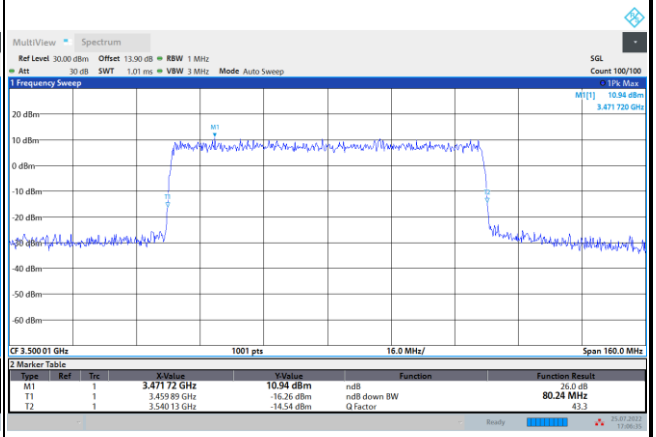

### 16QAM




### 64QAM

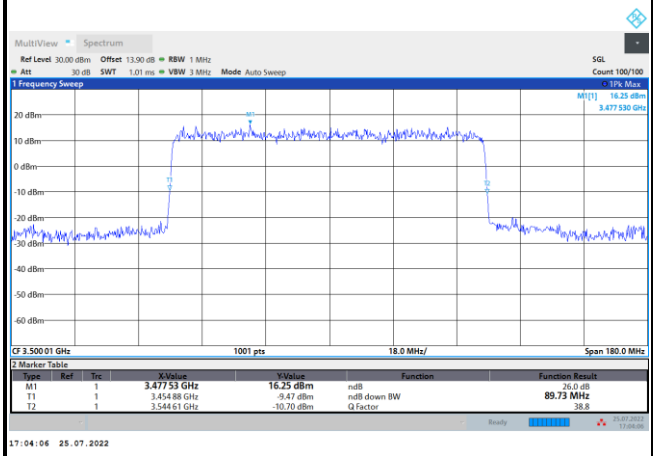



### 256QAM



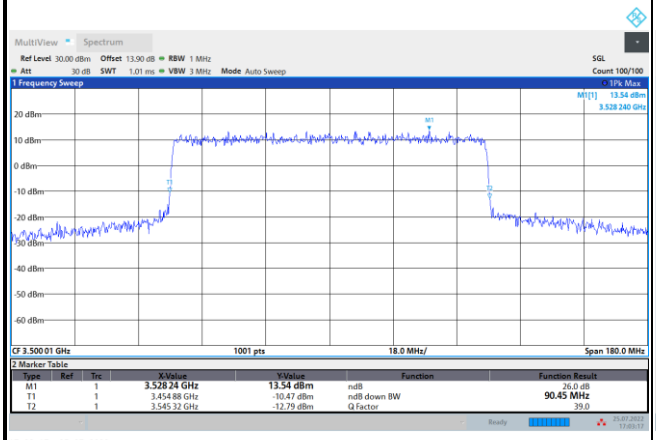
## FR1 n77 / 90MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

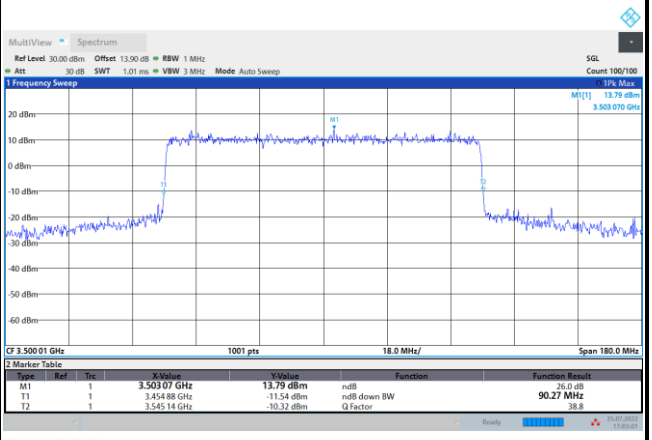



## FR1 n77 / 90MHz / CP OFDM / Middle Channel / Full RB

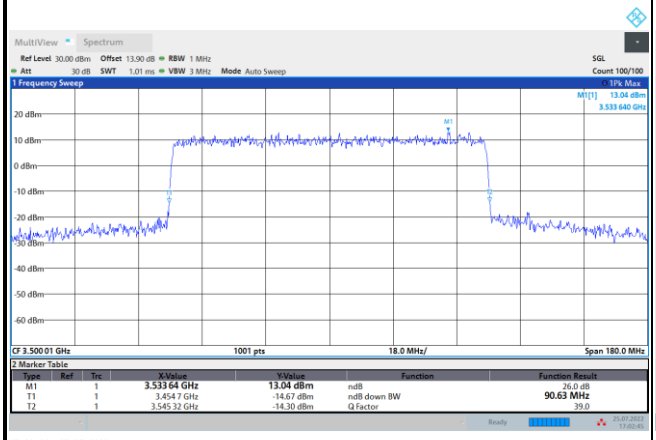
### QPSK



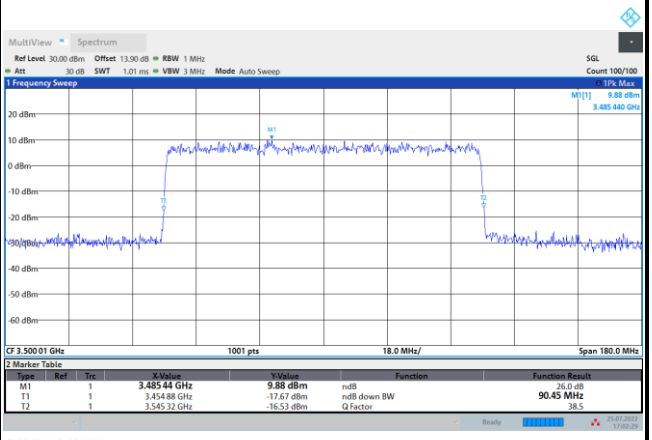

### 16QAM




### 64QAM

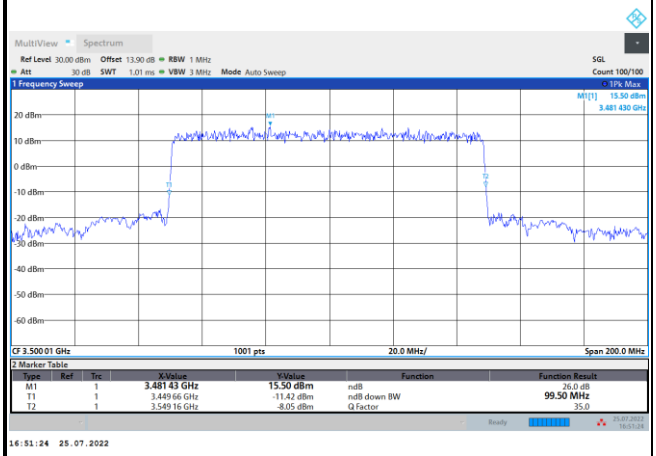



### 256QAM



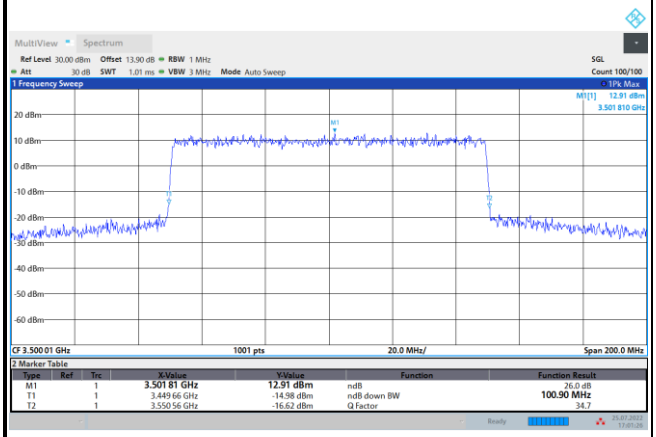
## FR1 n77 / 100MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

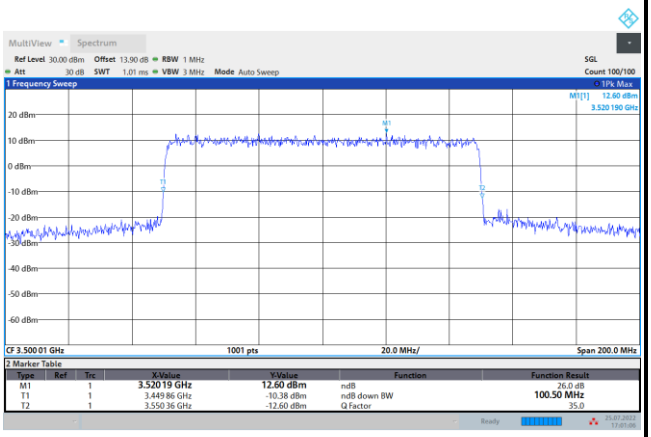



## FR1 n77 / 100MHz / CP OFDM / Middle Channel / Full RB

### QPSK

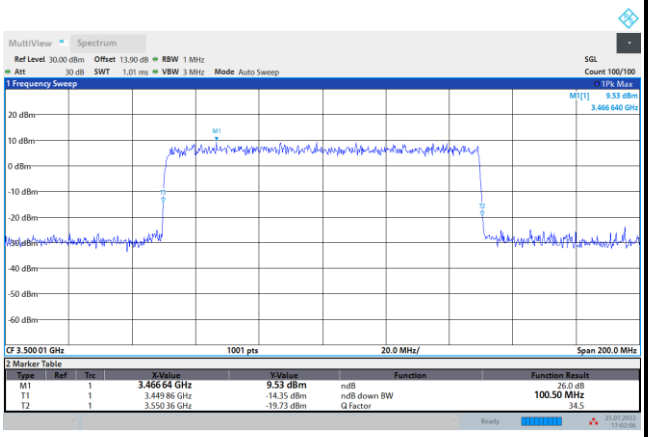



### 16QAM




### 64QAM

### 256QAM



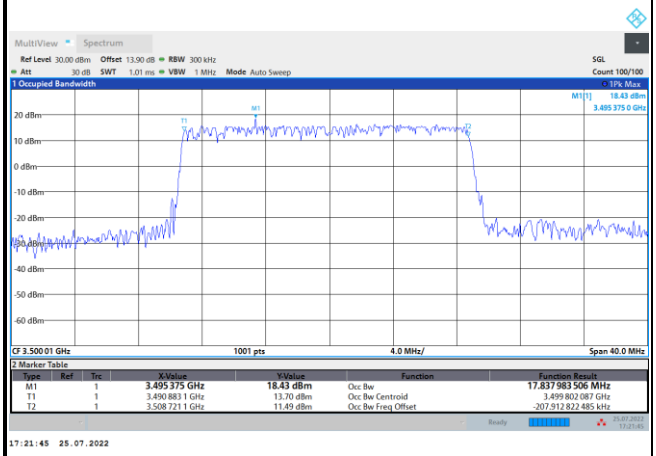
# Occupied Bandwidth

| Mode | FR1 n77 : OB BW(MHz) / DFT-S OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 20MHz | 25MHz | 30MHz | 40MHz | 50MHz | 60MHz | 70MHz | 80MHz |
| Mod. | PI/2 BPSK | PI/2 BPSK | PI/2 BPSK | PI/2 BPSK | PI/2 BPSK | PI/2 BPSK | PI/2 BPSK | PI/2 BPSK |
| Middle CH | 17.83 | - | 26.85 | 35.87 | 45.83 | 58.03 | 64.25 | 76.94 |
| BW | 90MHz | 100MHz | | | | | | |
| Mod. | PI/2 BPSK | PI/2 BPSK | | | | | | |
| Middle CH | 86.73 | 96.34 | | | | | | |

| Mode | FR1 n77 : OB BW(MHz) / CP OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 20MHz | | 25MHz | | 30MHz | | 40MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 18.19 | 18.23 | - | - | 27.79 | 27.86 | 37.92 | 38.01 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 18.22 | 18.24 | - | - | 27.89 | 27.81 | 37.95 | 37.94 |
| BW | 50MHz | | 60MHz | | 70MHz | | 80MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 47.58 | 47.64 | 57.96 | 57.90 | 67.50 | 67.47 | 77.21 | 77.25 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 47.57 | 47.59 | 57.82 | 57.72 | 67.48 | 67.31 | 77.38 | 77.38 |
| BW | 90MHz | | 100MHz | | | | | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | | | | |
| Middle CH | 87.38 | 87.34 | 97.28 | 97.06 | | | | |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | | | | |
| Middle CH | 87.34 | 87.41 | 97.24 | 97.18 | | | | |

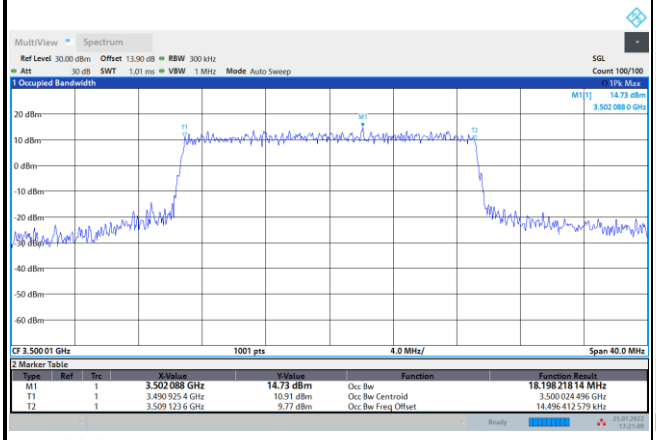
## FR1 n77 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

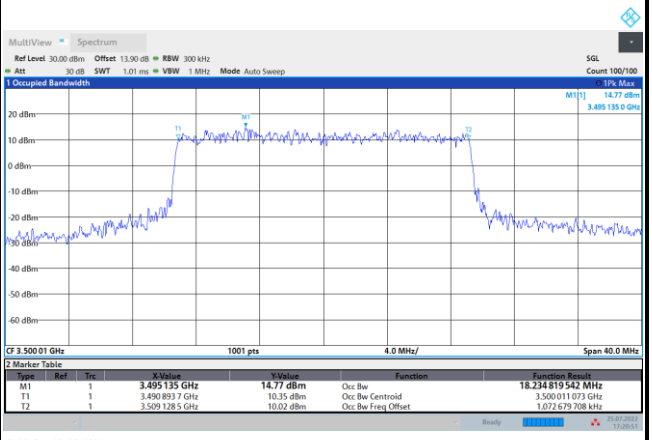



## FR1 n77 / 20MHz / CP OFDM / Middle Channel / Full RB

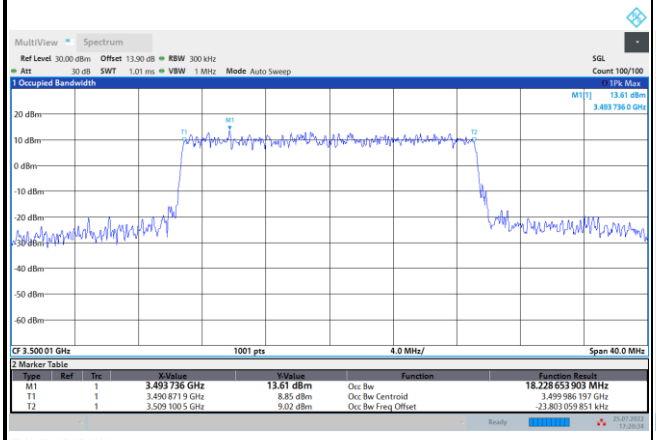
### QPSK



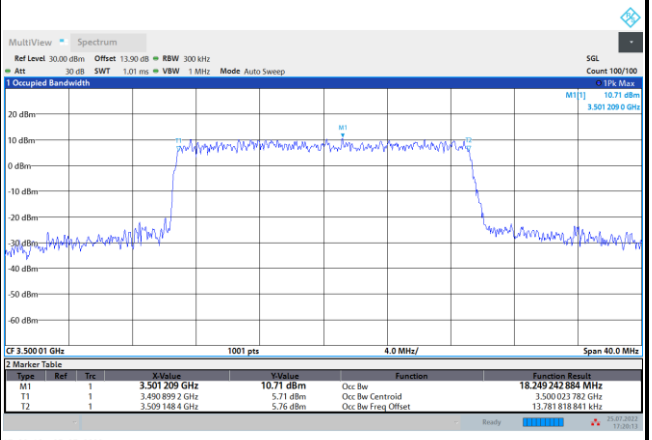

### 16QAM




### 64QAM

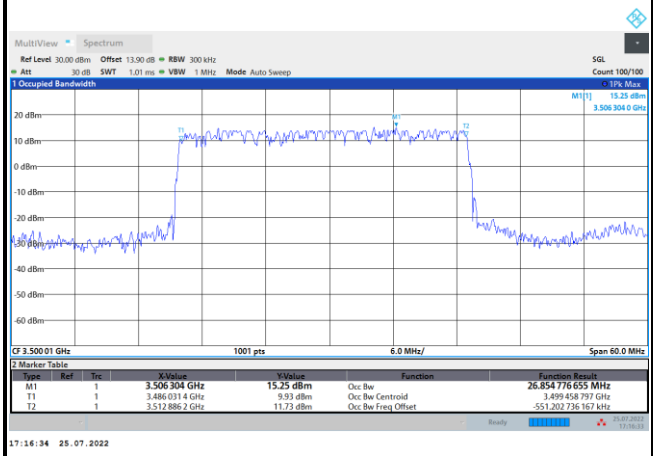



### 256QAM



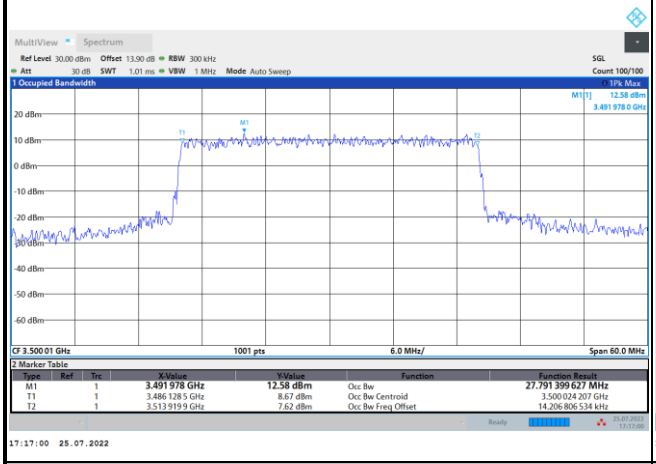
## FR1 n77 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

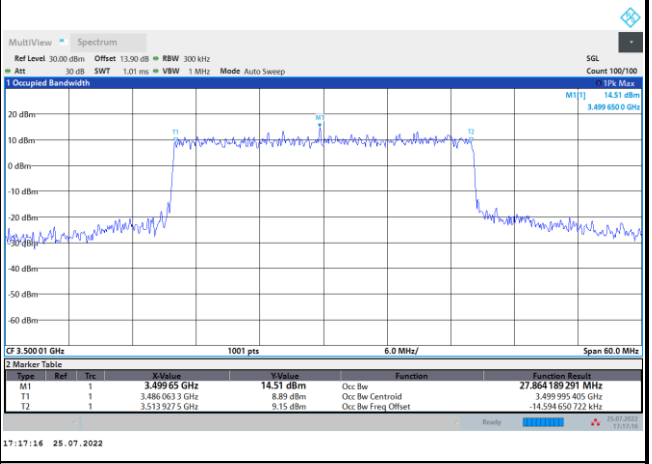



## FR1 n77 / 30MHz / CP OFDM / Middle Channel / Full RB

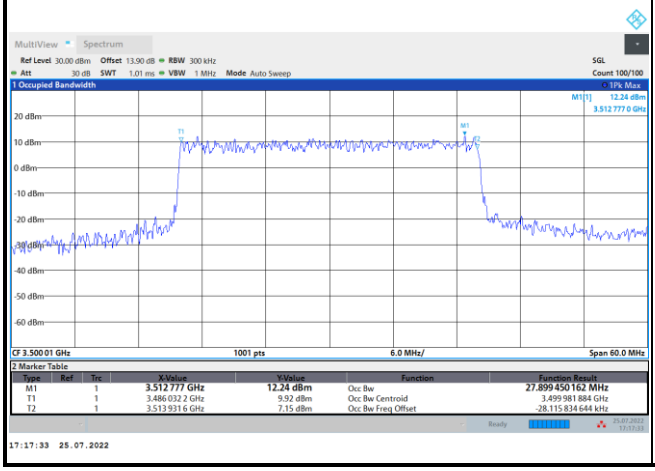
### QPSK



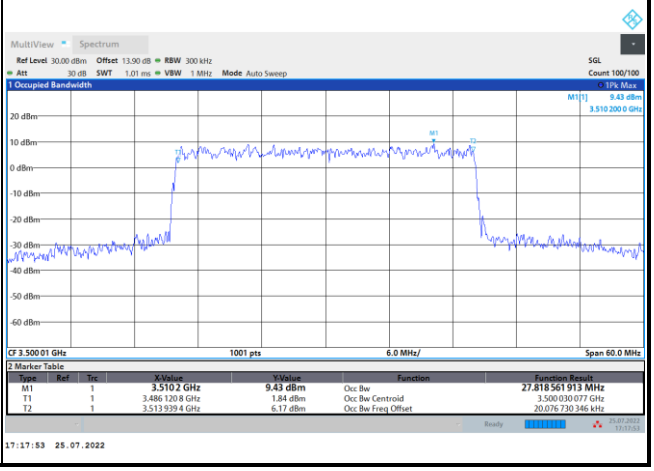

### 16QAM




### 64QAM

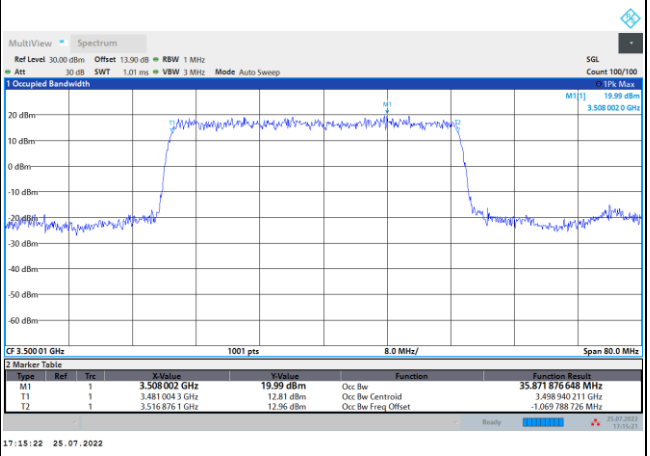



### 256QAM



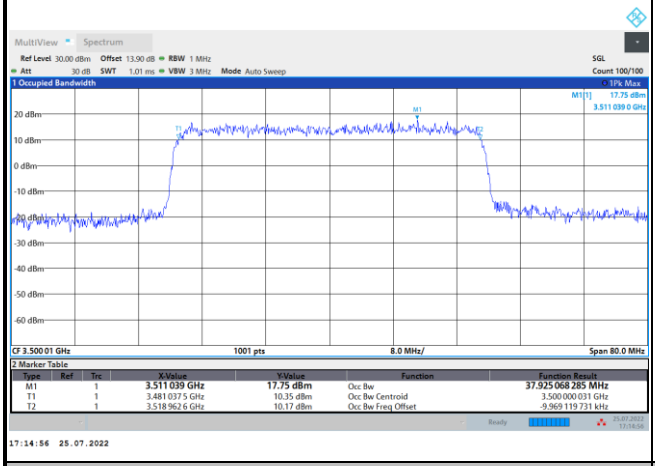
## FR1 n77 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

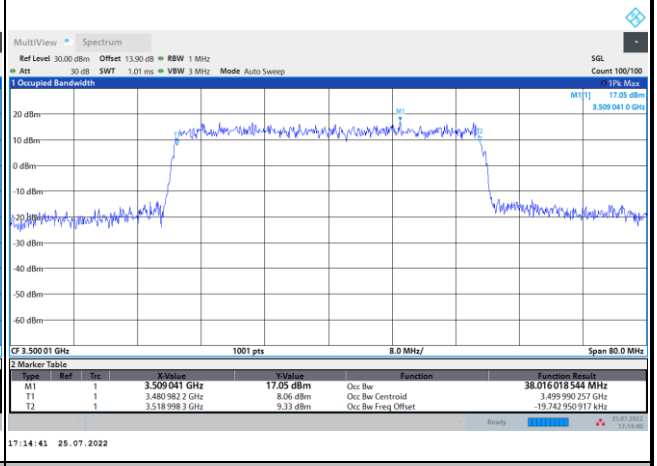



## FR1 n77 / 40MHz / CP OFDM / Middle Channel / Full RB

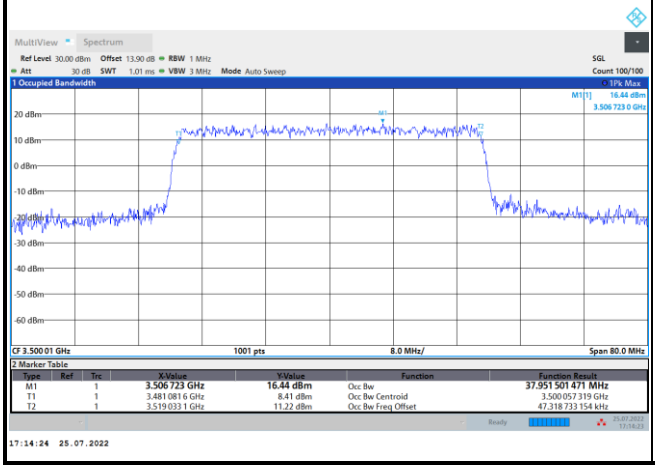
### QPSK



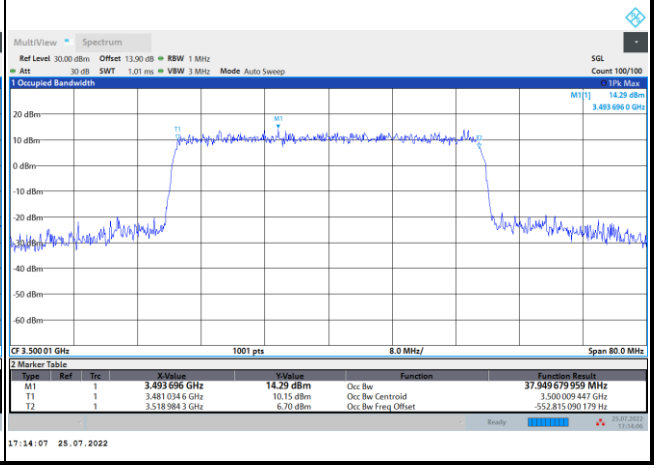

### 16QAM




### 64QAM

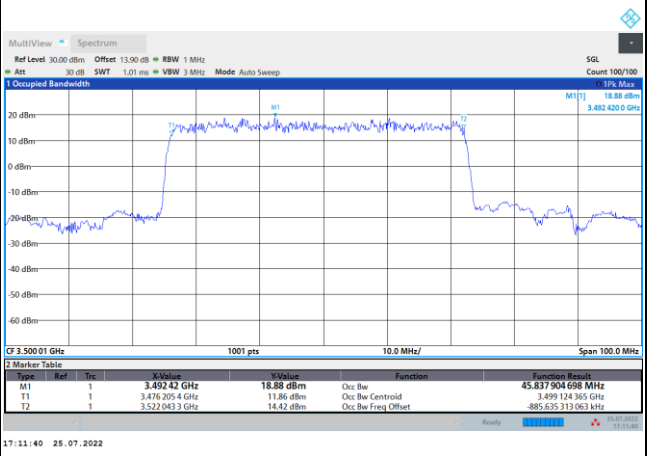



### 256QAM



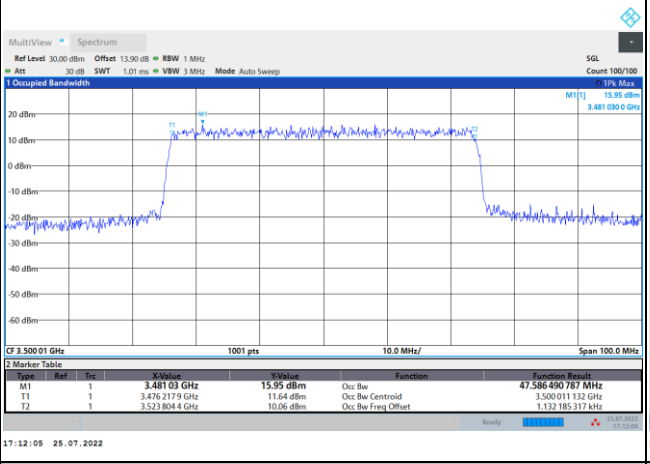
## FR1 n77 / 50MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

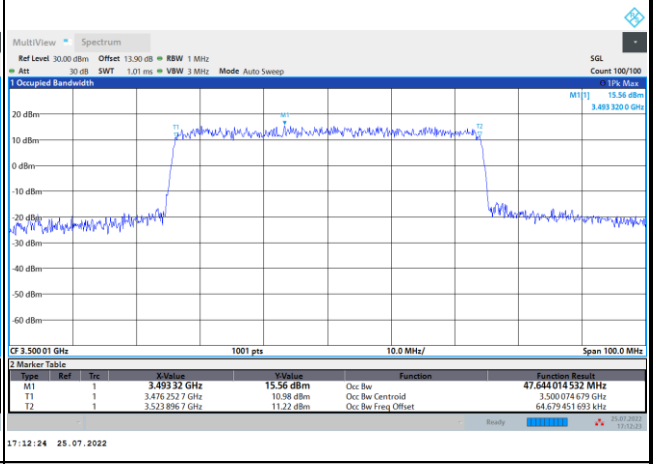



## FR1 n77 / 50MHz / CP OFDM / Middle Channel / Full RB

### QPSK

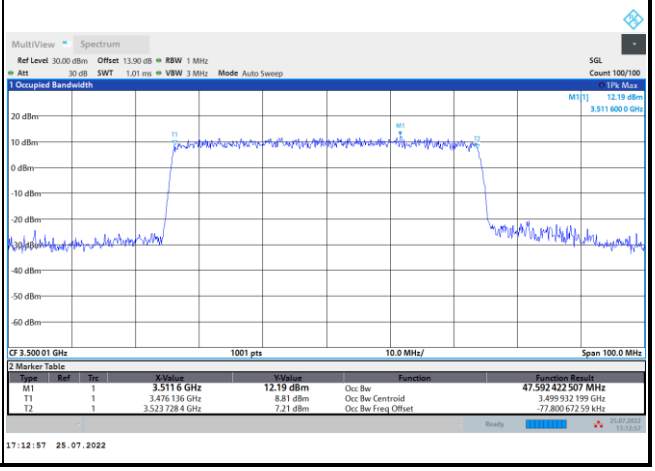



### 16QAM



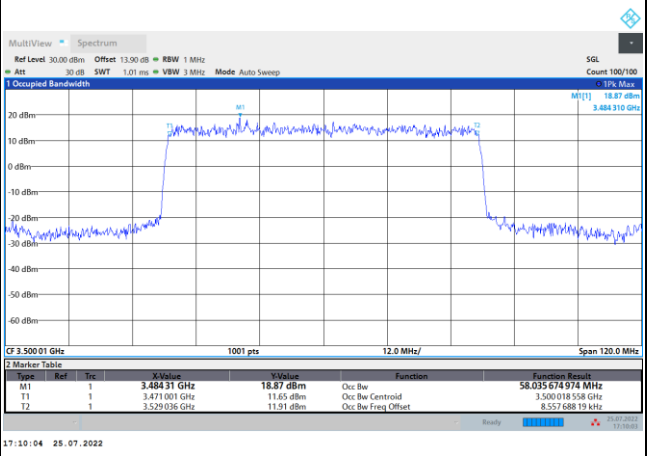

### 64QAM

### 256QAM



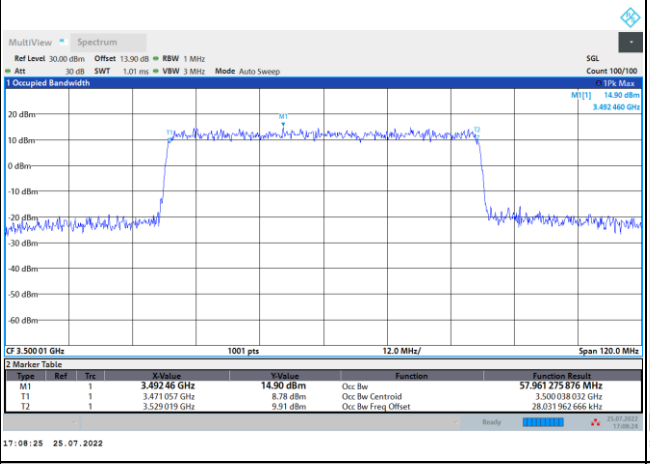
## FR1 n77 / 60MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

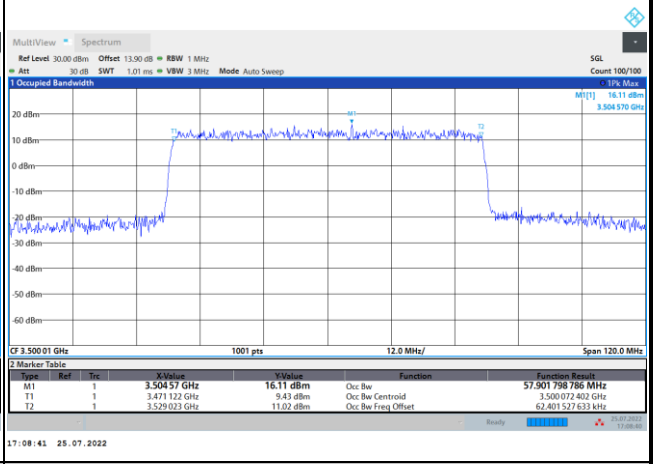



## FR1 n77 / 60MHz / CP OFDM / Middle Channel / Full RB

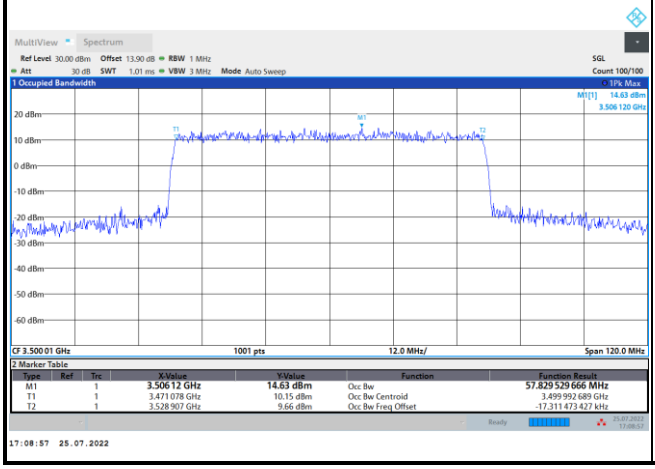
### QPSK




### 16QAM



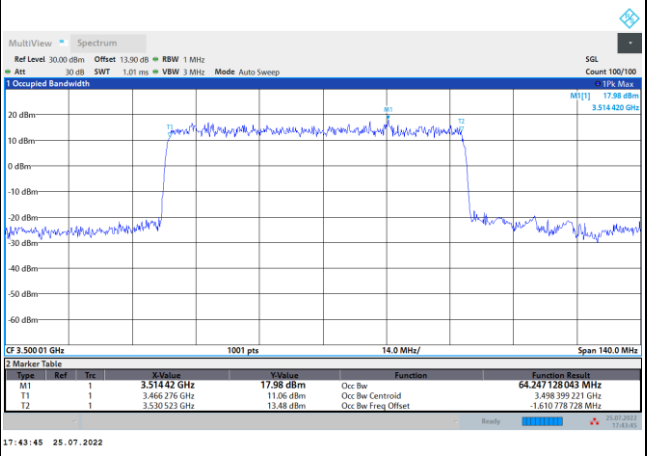

### 64QAM




### 256QAM

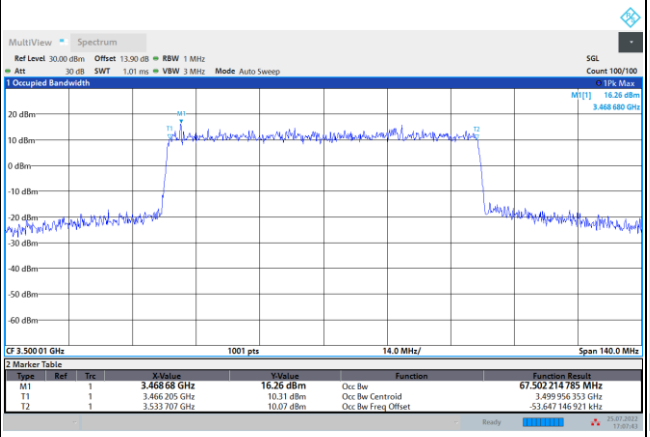
## FR1 n77 / 70MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

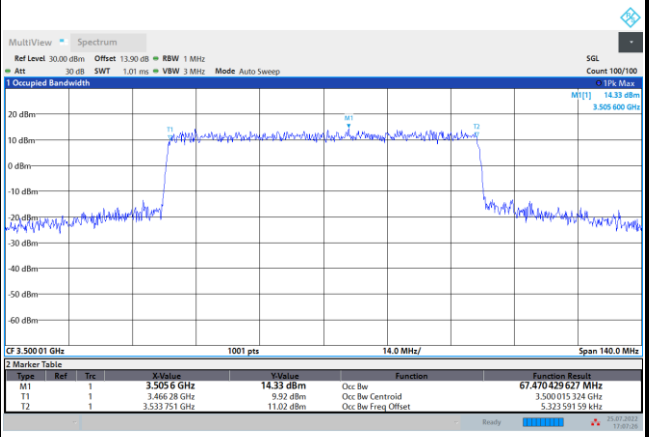



## FR1 n77 / 70MHz / CP OFDM / Middle Channel / Full RB

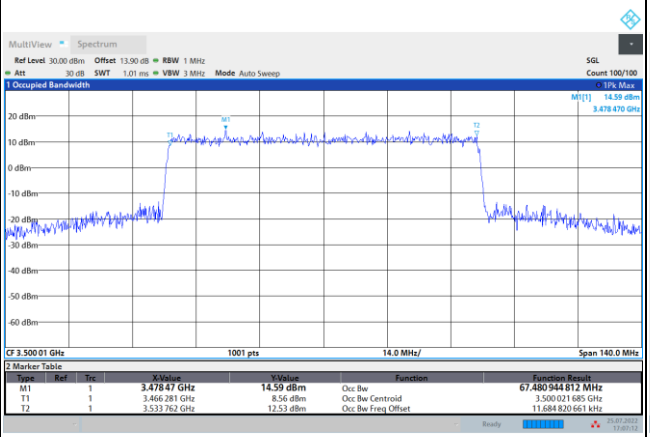
### QPSK



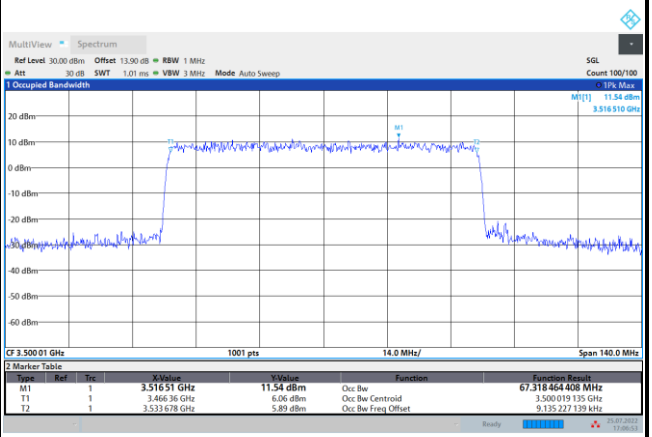

### 16QAM




### 64QAM

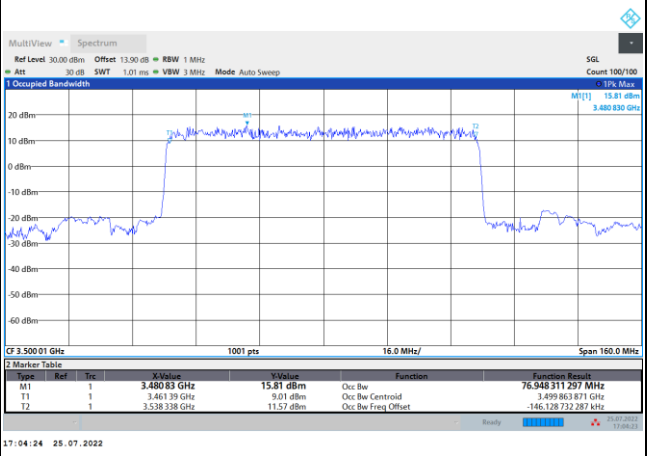



### 256QAM



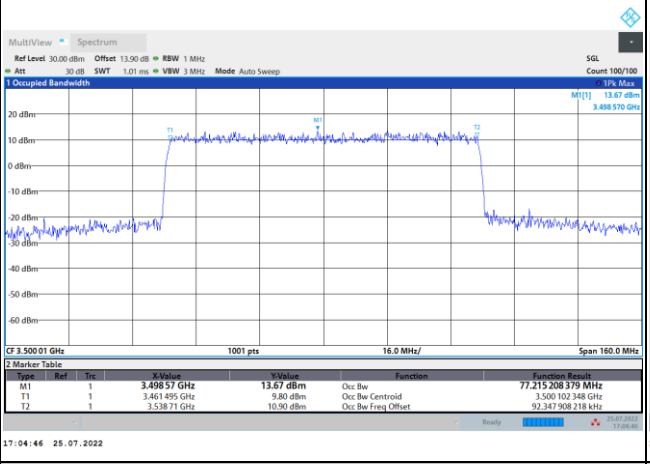
## FR1 n77 / 80MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

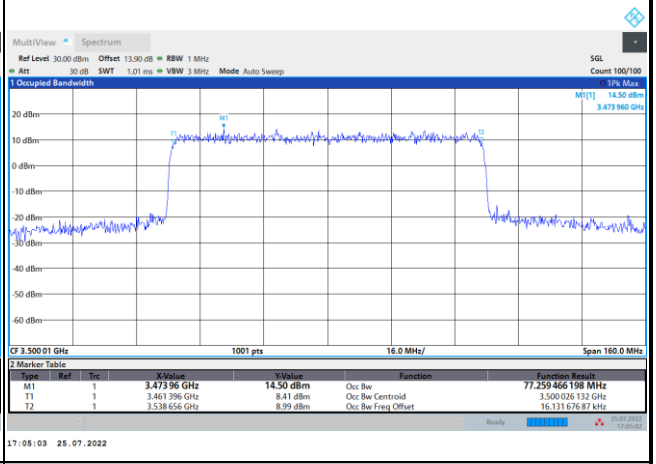



## FR1 n77 / 80MHz / CP OFDM / Middle Channel / Full RB

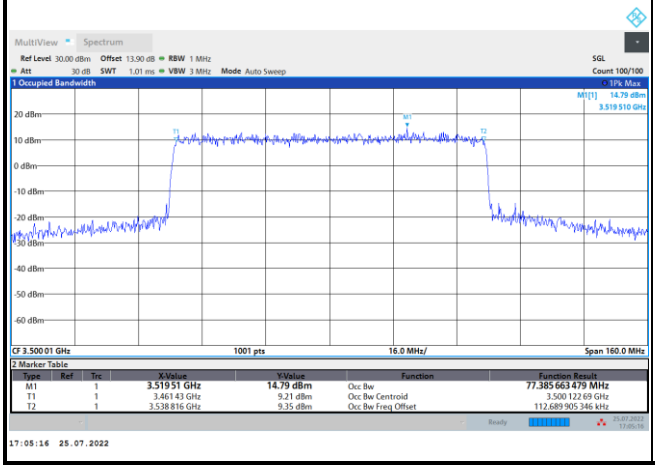
### QPSK



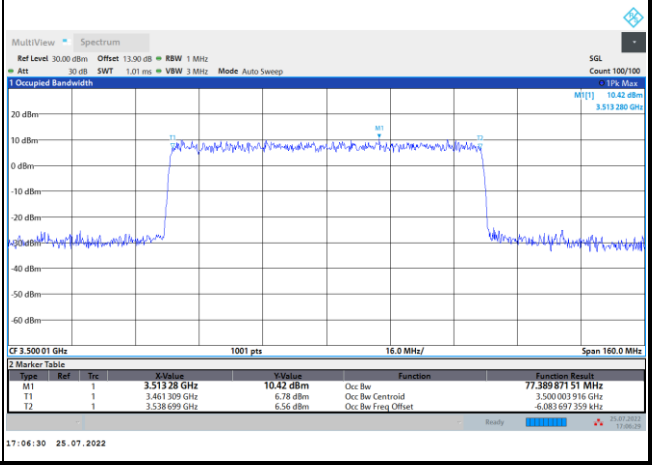

### 16QAM




### 64QAM

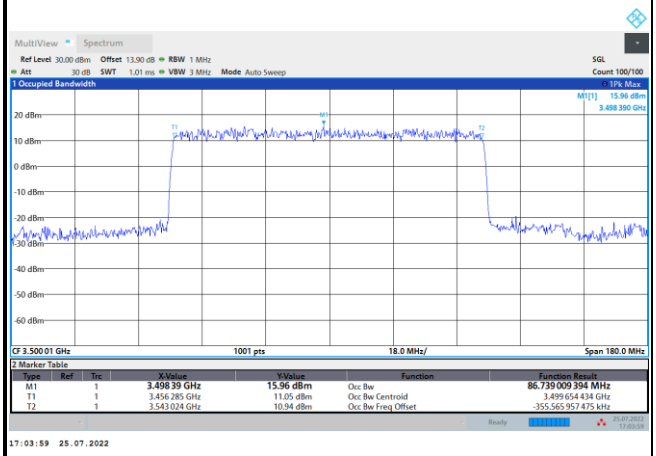



### 256QAM



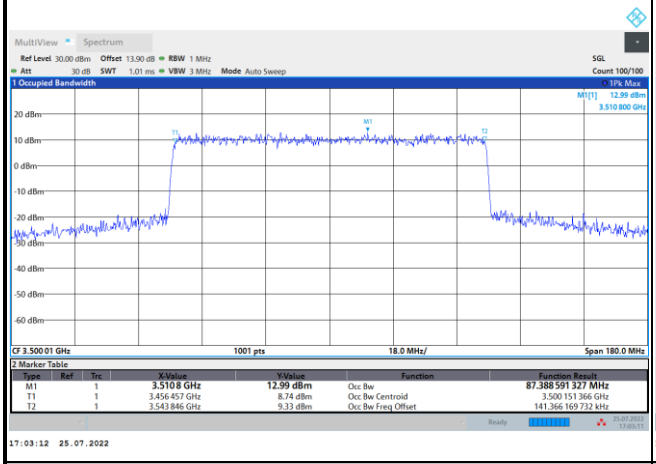
## FR1 n77 / 90MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

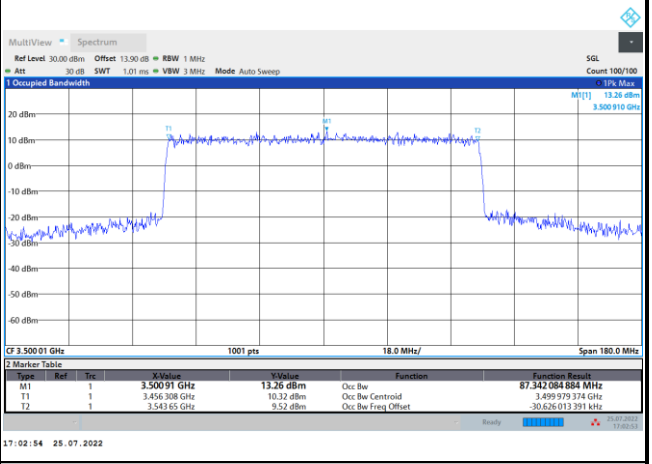



## FR1 n77 / 90MHz / CP OFDM / Middle Channel / Full RB

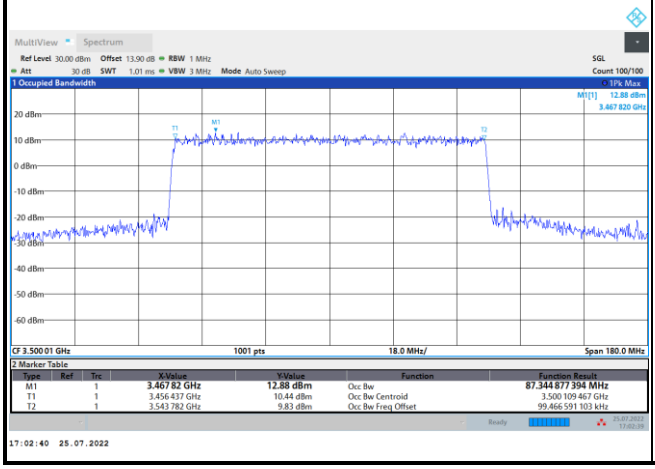
### QPSK



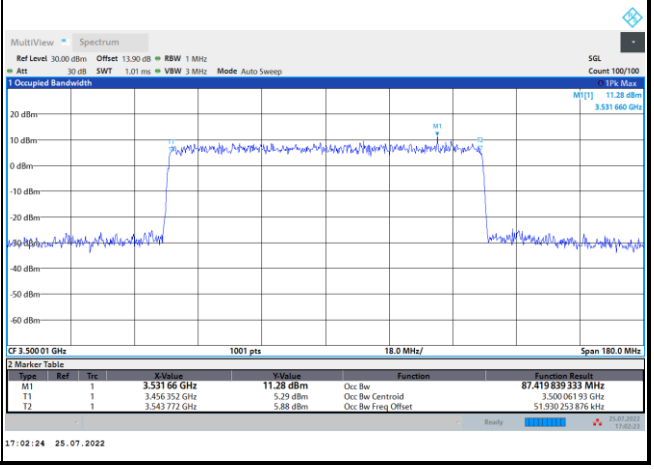

### 16QAM




### 64QAM

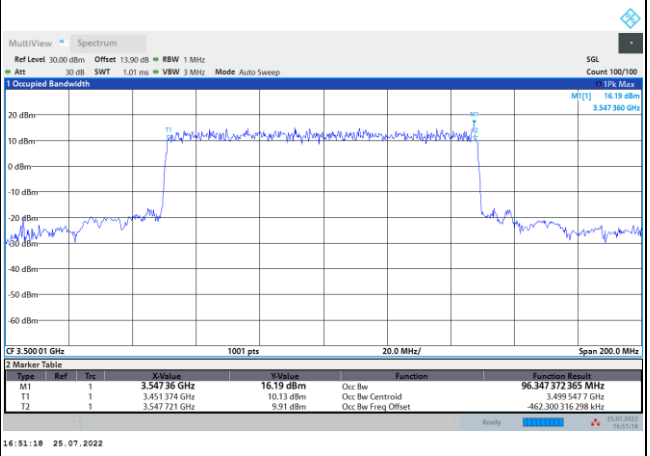



### 256QAM



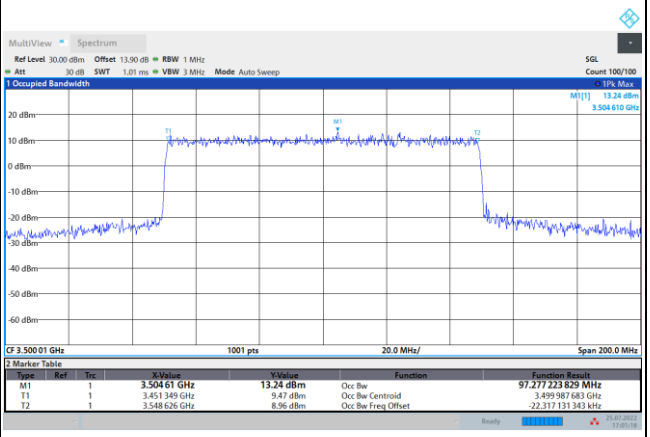
## FR1 n77 / 100MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

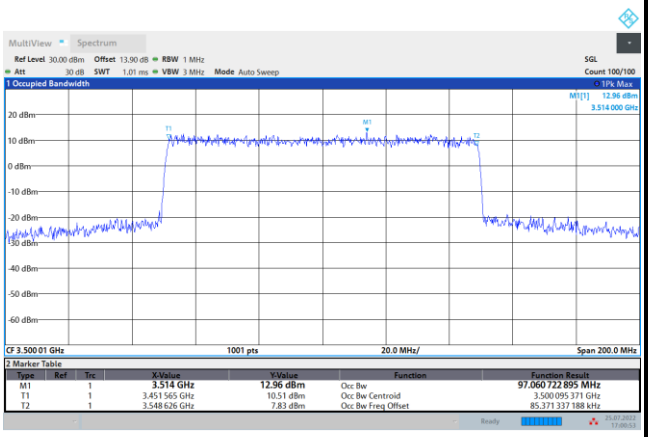



## FR1 n77 / 100MHz / CP OFDM / Middle Channel / Full RB

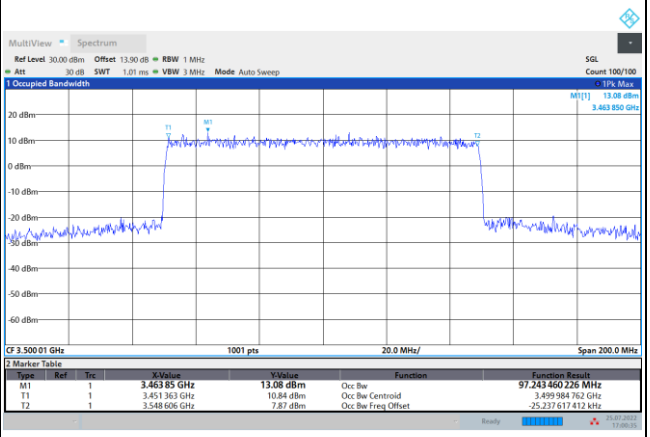
### QPSK



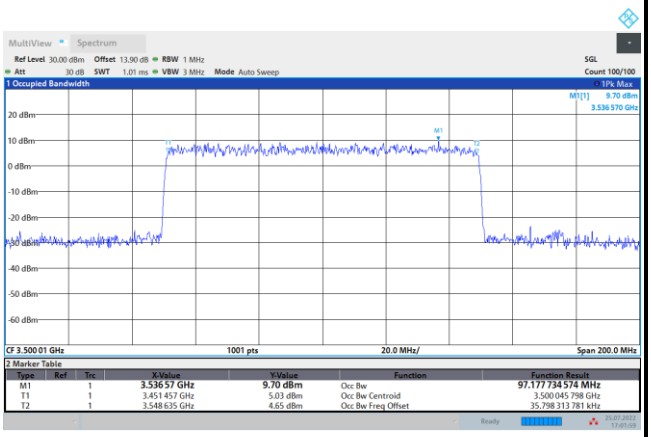

### 16QAM




### 64QAM



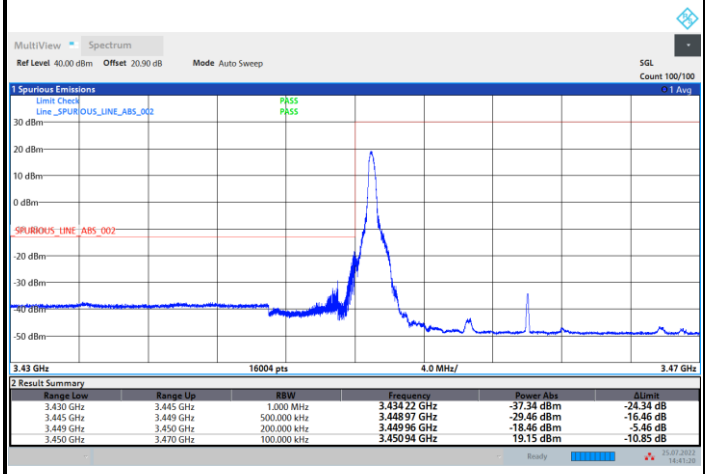

### 256QAM



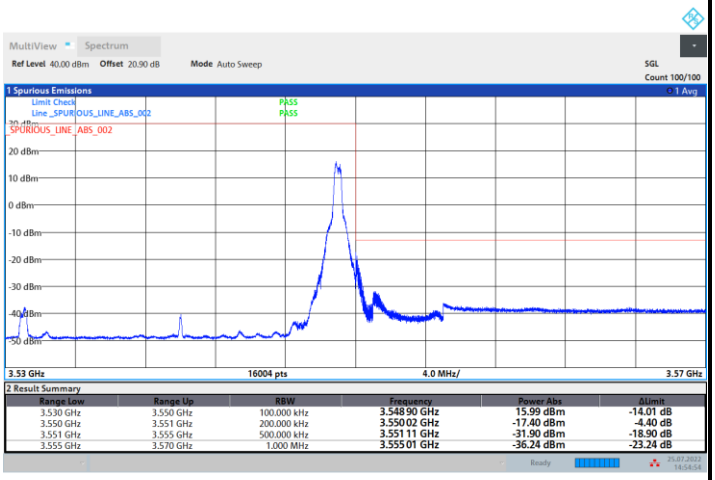
# Conducted Band Edge

## FR1 n77 / 20MHz / DFT-S OFDM / PI/2 BPSK

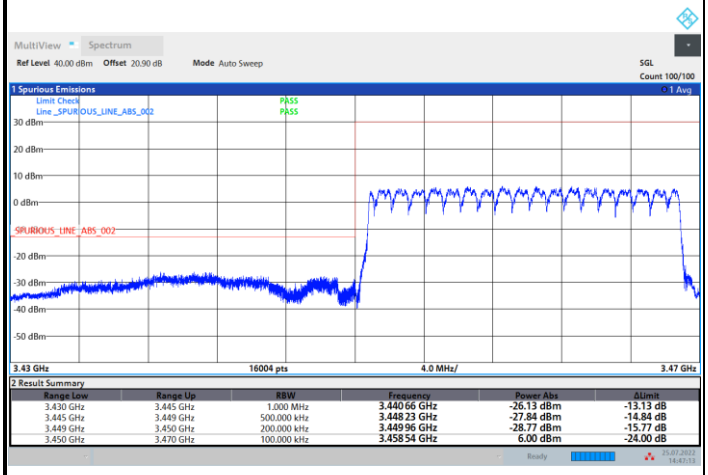
### Lowest Band Edge / 1RB0



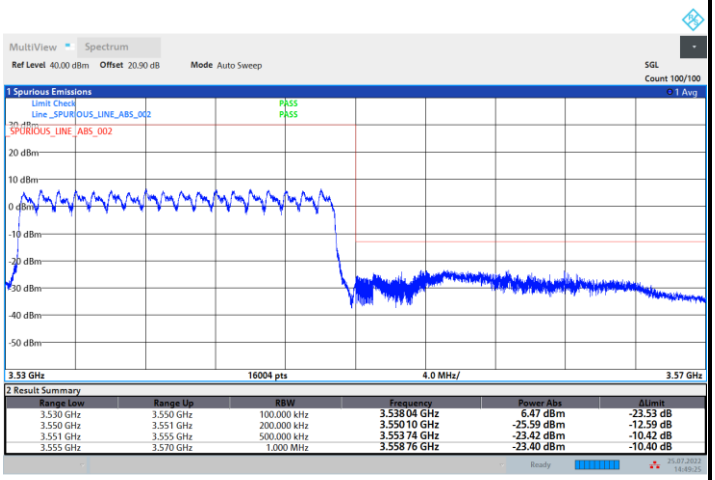

### Highest Band Edge / 1RBmax




### Lowest Band Edge / Full RB

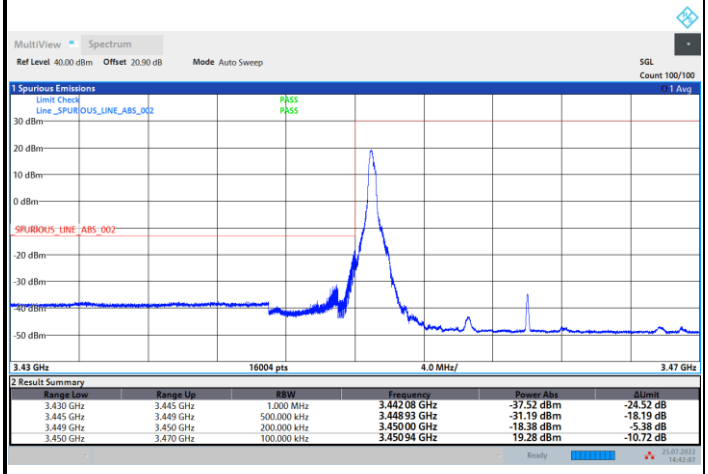



### Highest Band Edge / Full RB

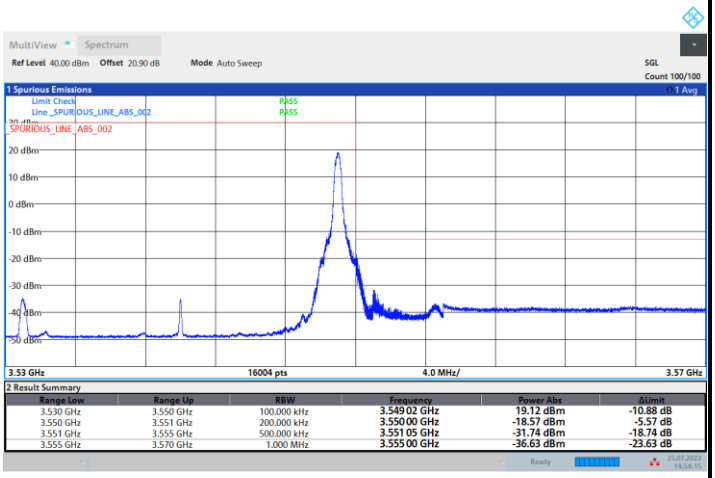


## FR1 n77 / 20MHz / DFT-S OFDM / QPSK

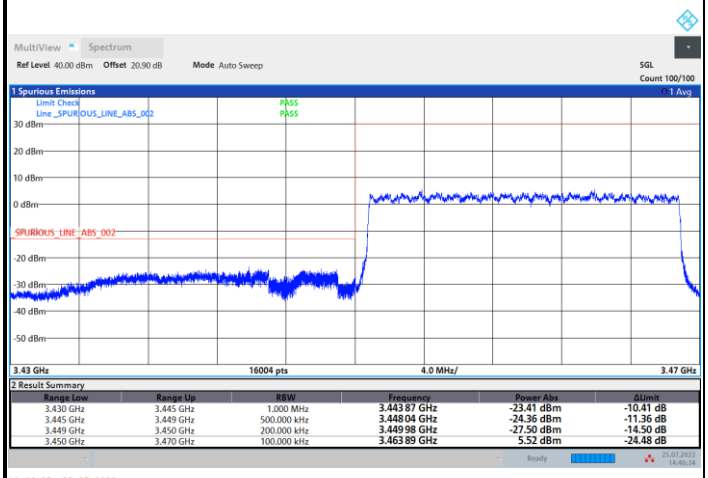
### Lowest Band Edge / 1RB0



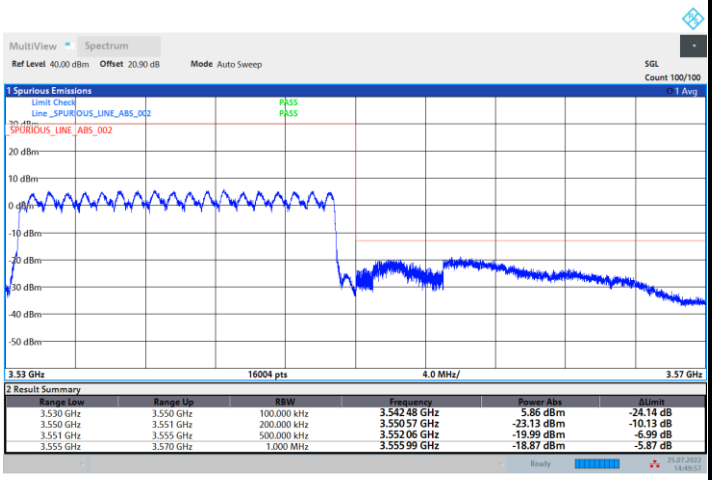

### Highest Band Edge / 1RBmax




### Lowest Band Edge / Full RB

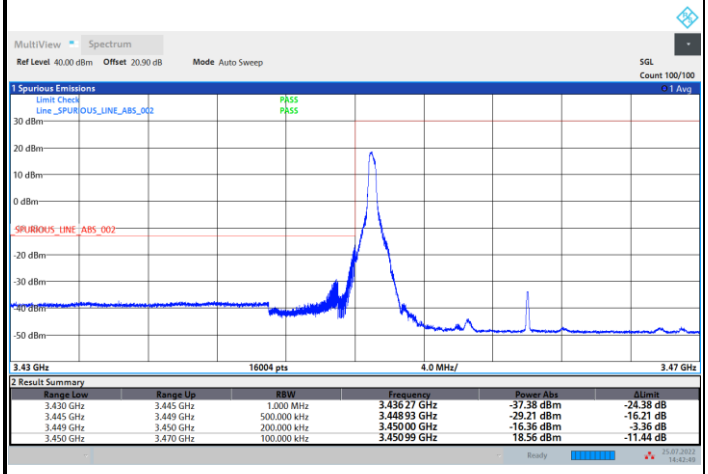



### Highest Band Edge / Full RB

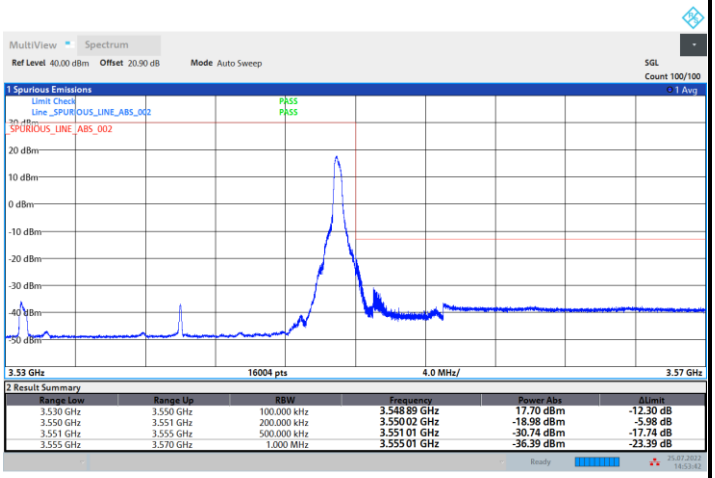


## FR1 n77 / 20MHz / DFT-S OFDM / 16QAM

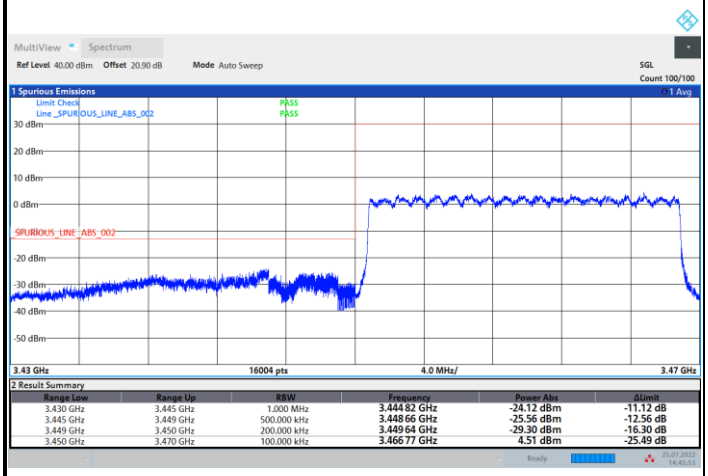
### Lowest Band Edge / 1RB0



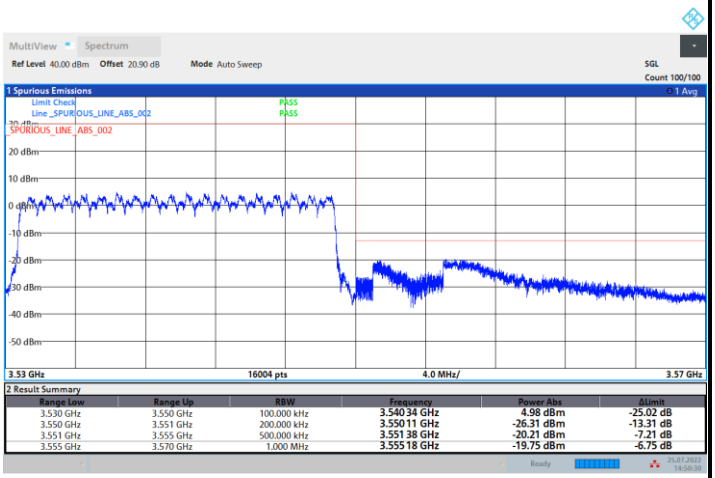

### Highest Band Edge / 1RBmax




### Lowest Band Edge / Full RB

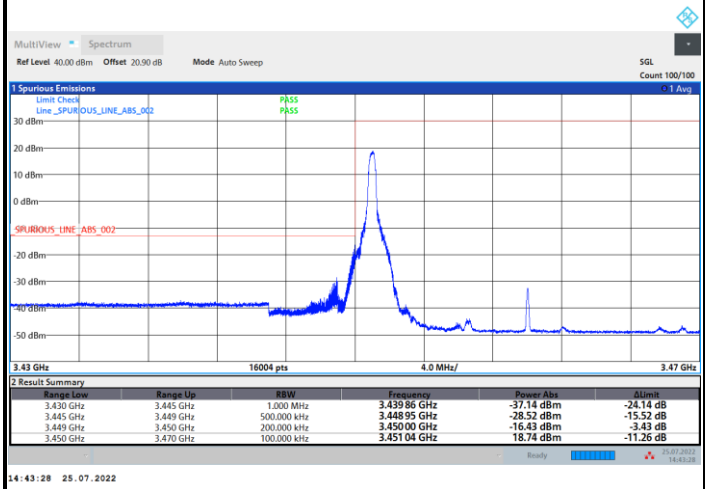



### Highest Band Edge / Full RB

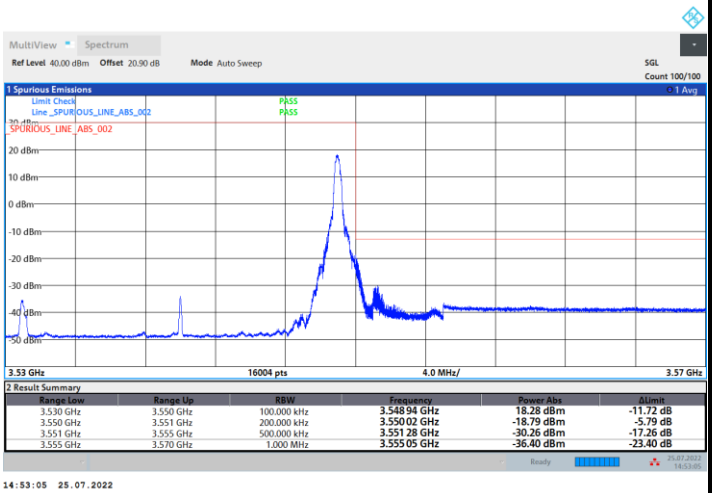


## FR1 n77 / 20MHz / DFT-S OFDM / 64QAM

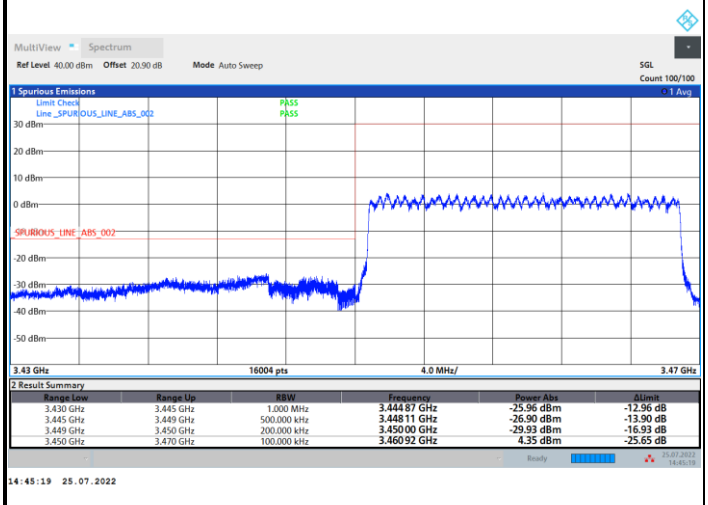
### Lowest Band Edge / 1RB0



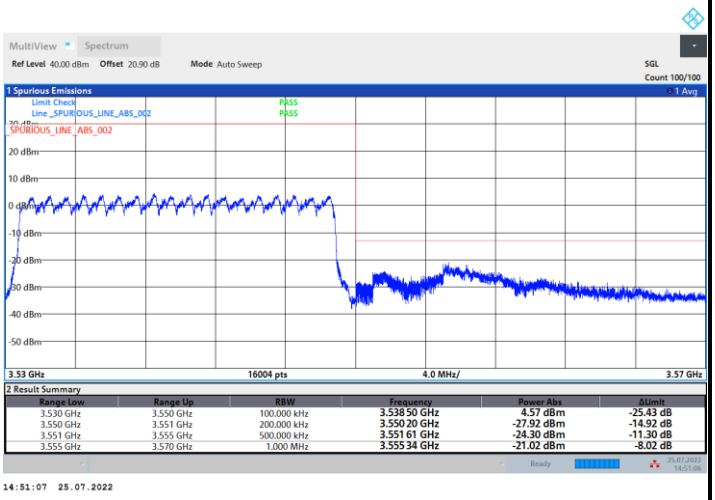

### Highest Band Edge / 1RBmax




### Lowest Band Edge / Full RB

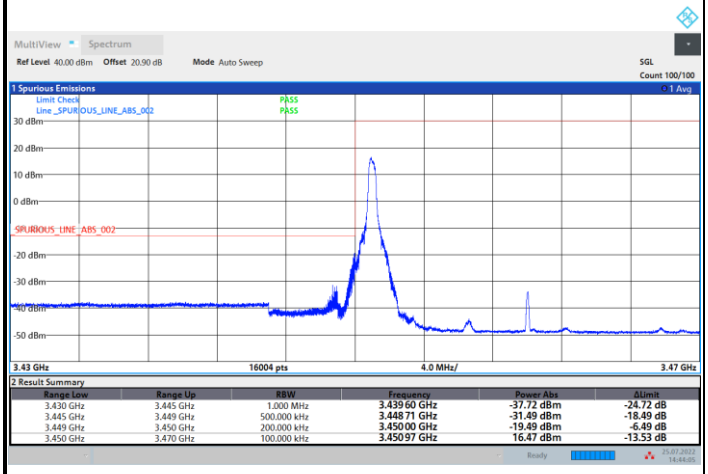



### Highest Band Edge / Full RB

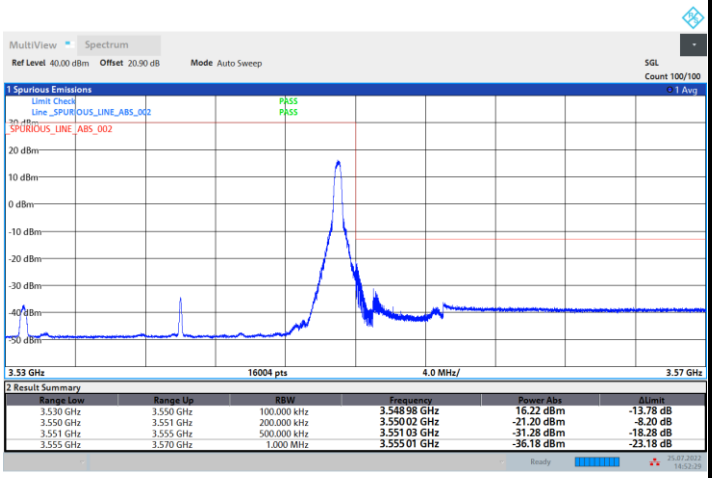


## FR1 n77 / 20MHz / DFT-S OFDM / 256QAM

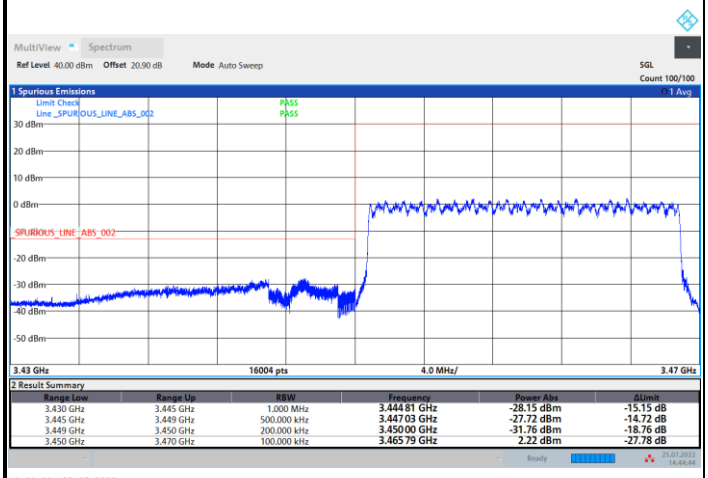
### Lowest Band Edge / 1RB0



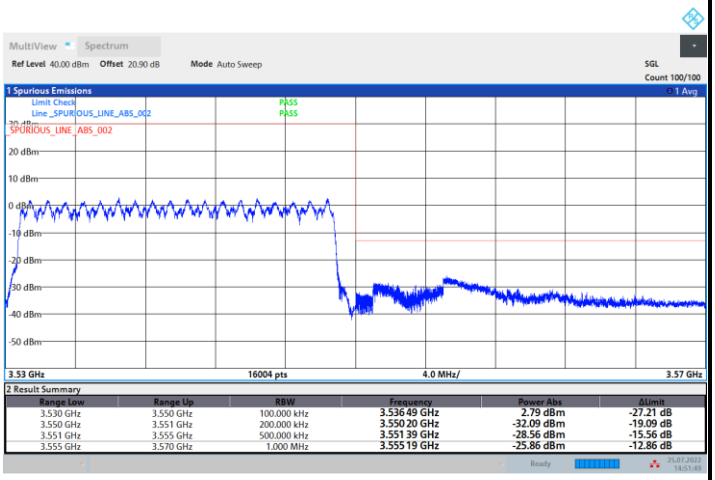

### Highest Band Edge / 1RBmax

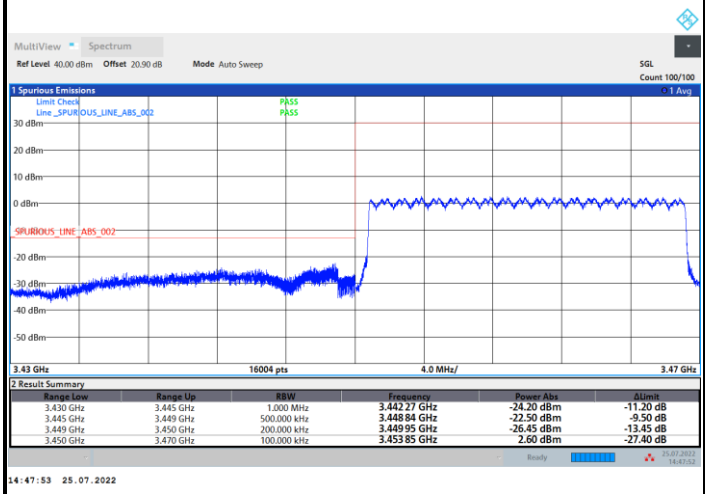
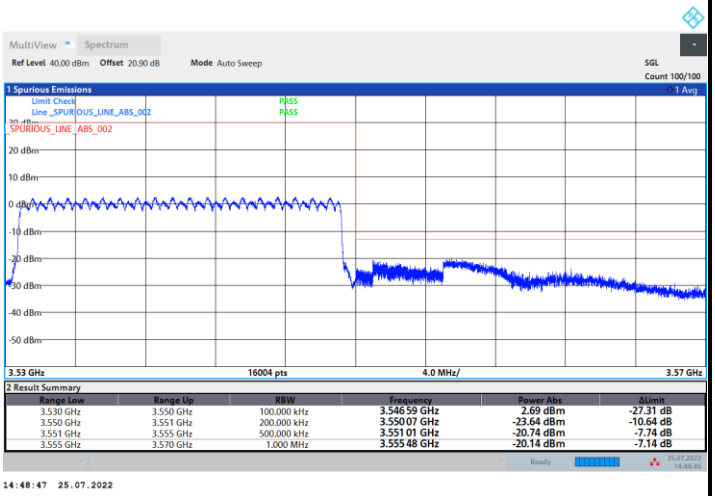



### Lowest Band Edge / Full RB




### Highest Band Edge / Full RB

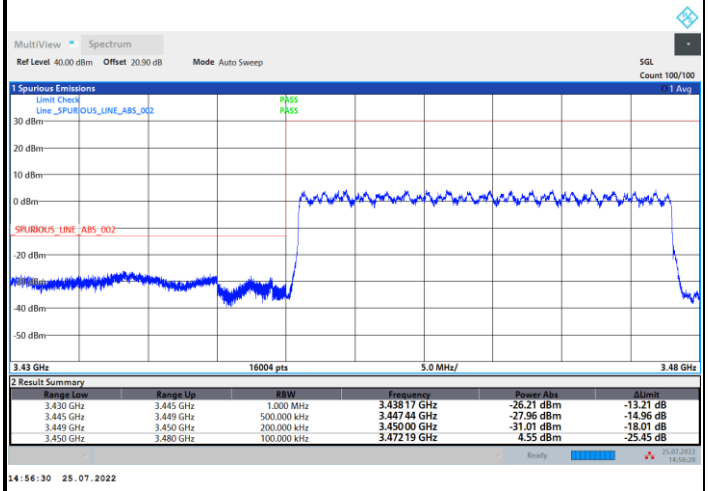
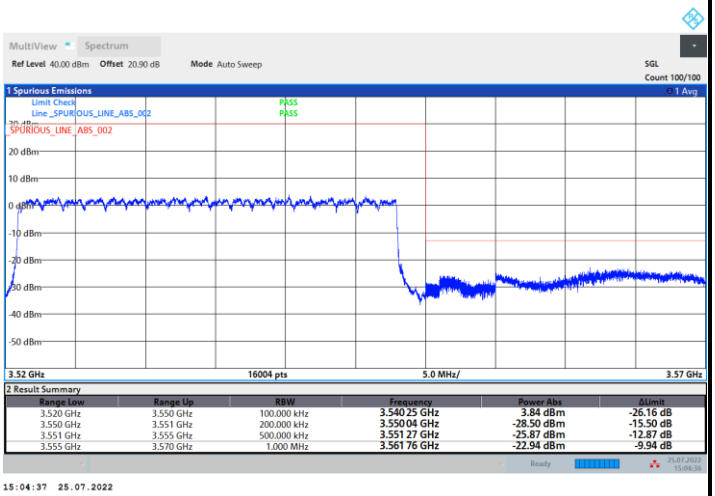


| FR1 n77 / 20MHz / CP OFDM / QPSK / Full RB | |
|---|---|
| **Lowest Band Edge** | **Highest Band Edge** |
|  |  |



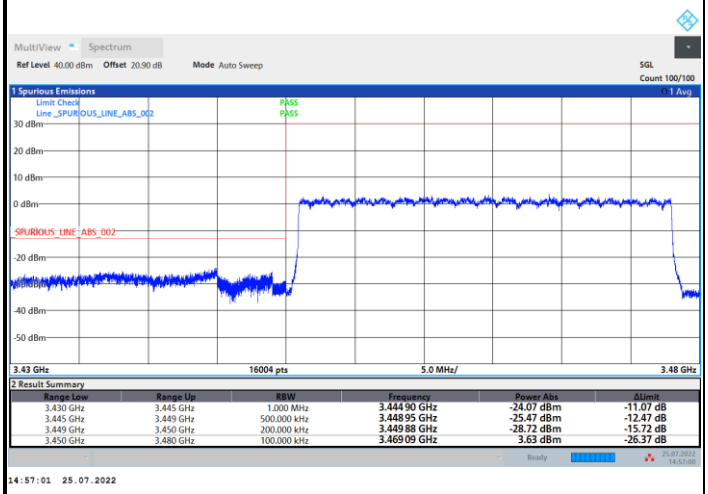
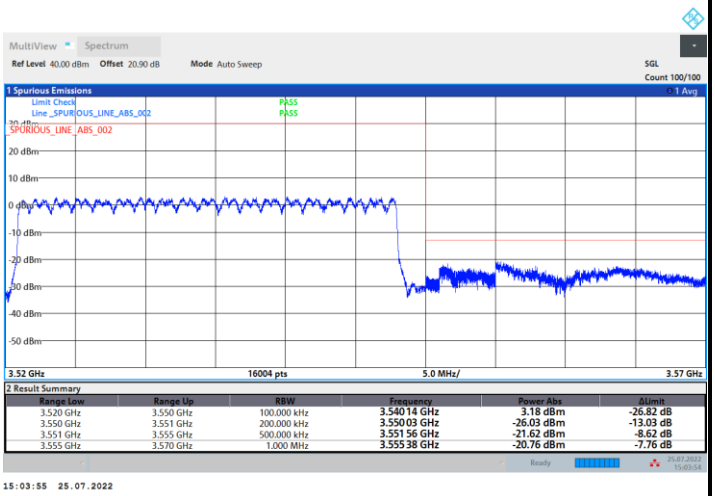
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.442 27 GHz | -24.20 dBm | -11.20 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.448 84 GHz | -22.50 dBm | -9.50 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.449 95 GHz | -26.45 dBm | -13.45 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.453 85 GHz | 2.60 dBm | -27.40 dB |

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.546 59 GHz | 2.69 dBm | -27.31 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.550 07 GHz | -23.64 dBm | -10.64 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.551 01 GHz | -20.74 dBm | -7.74 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.555 48 GHz | -20.14 dBm | -7.14 dB |

| FR1 n77 / 30MHz / DFT-S OFDM / PI/2 BPSK | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |





| FR1 n77 / 30MHz / DFT-S OFDM / QPSK | |
|---|---|
| **Lowest Band Edge / Full RB** | **Highest Band Edge / Full RB** |
|  |  |