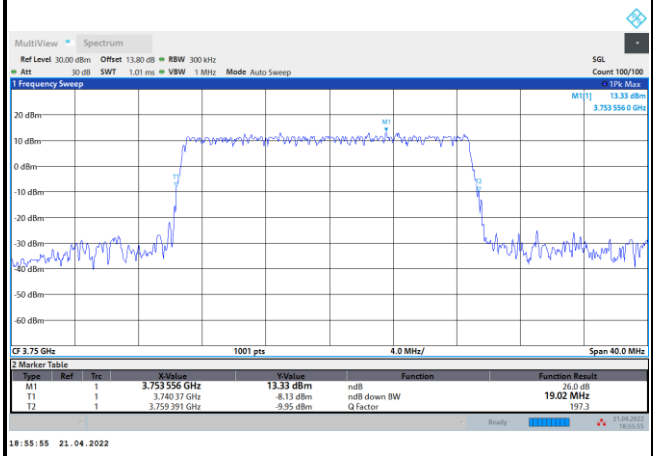
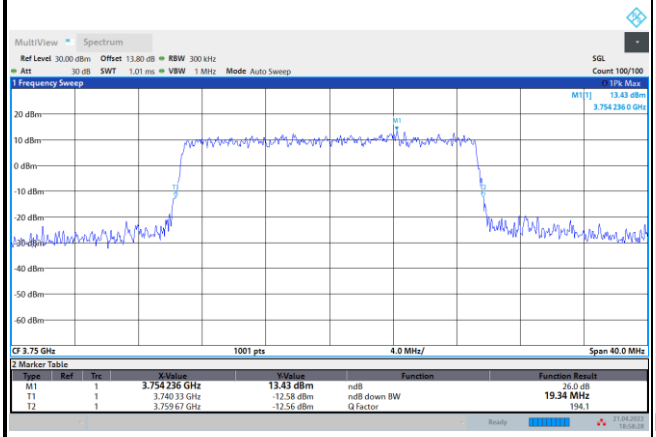
## FR1 n78 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

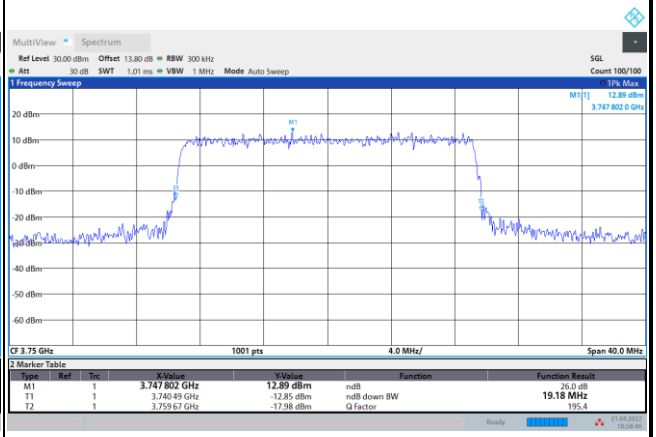



## FR1 n78 / 20MHz / CP OFDM / Middle Channel / Full RB

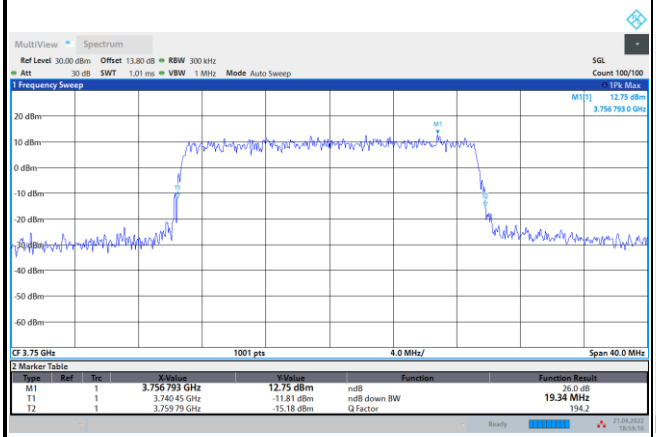
### QPSK



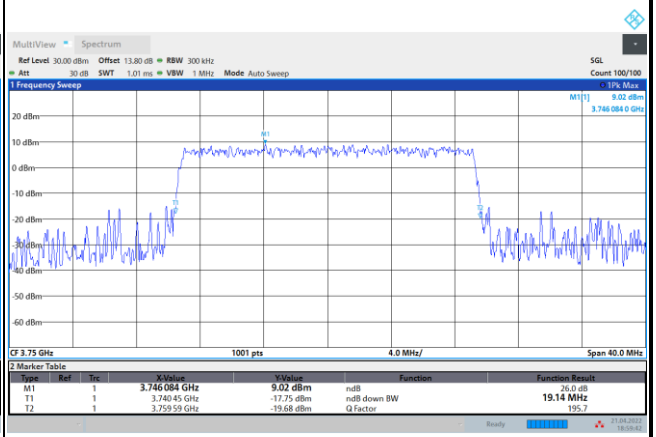

### 16QAM




### 64QAM

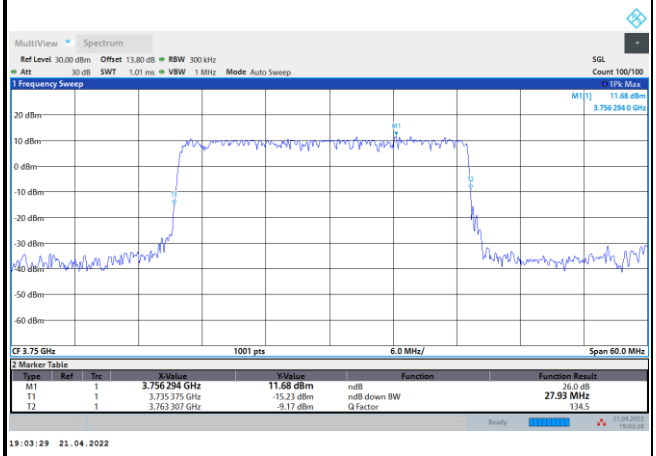



### 256QAM



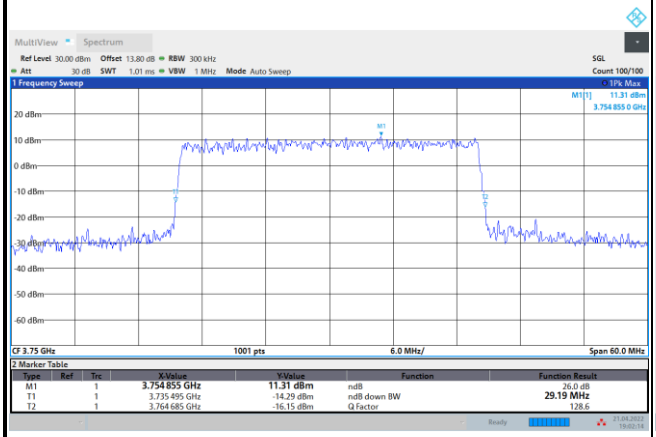
## FR1 n78 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

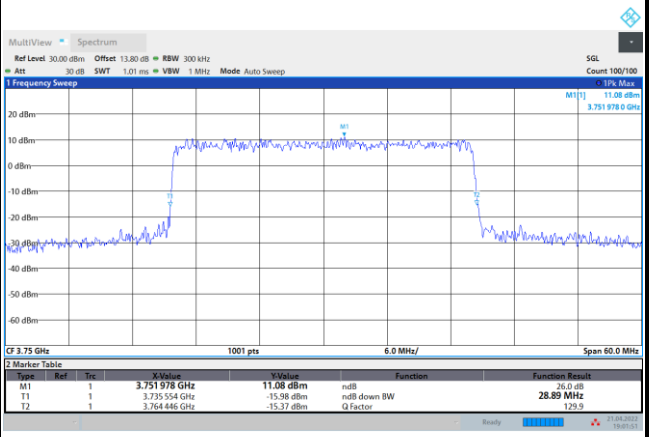



## FR1 n78 / 30MHz / CP OFDM / Middle Channel / Full RB

### QPSK

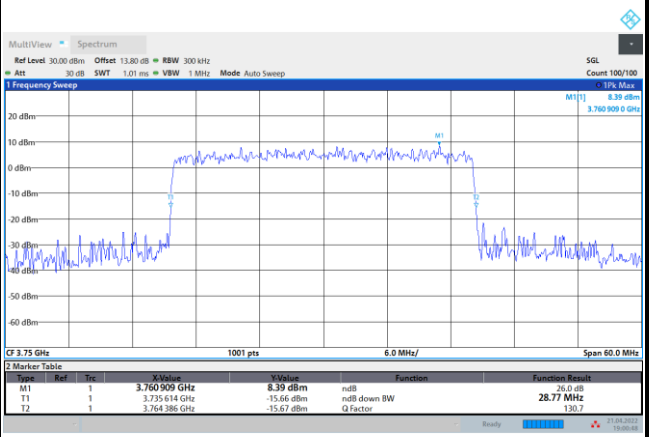



### 16QAM



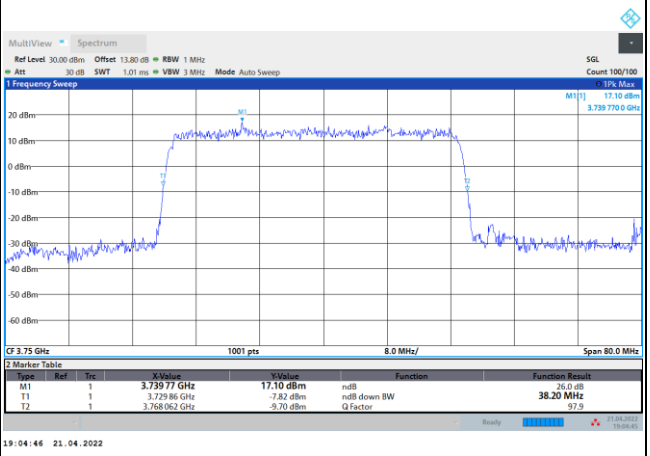

### 64QAM

### 256QAM



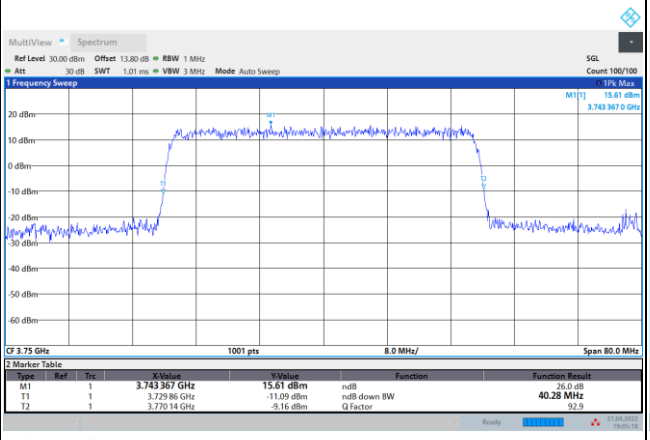
## FR1 n78 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

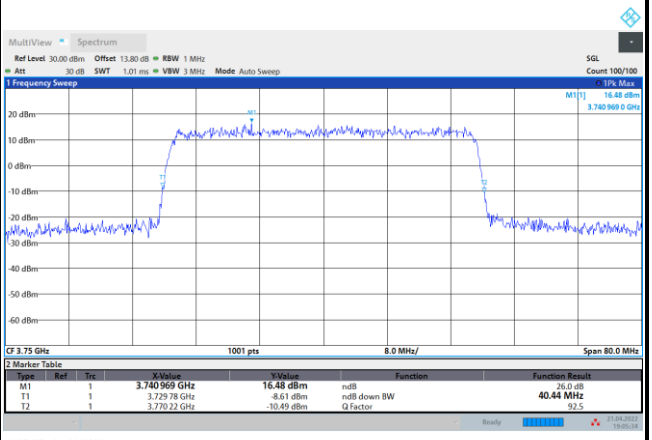



## FR1 n78 / 40MHz / CP OFDM / Middle Channel / Full RB

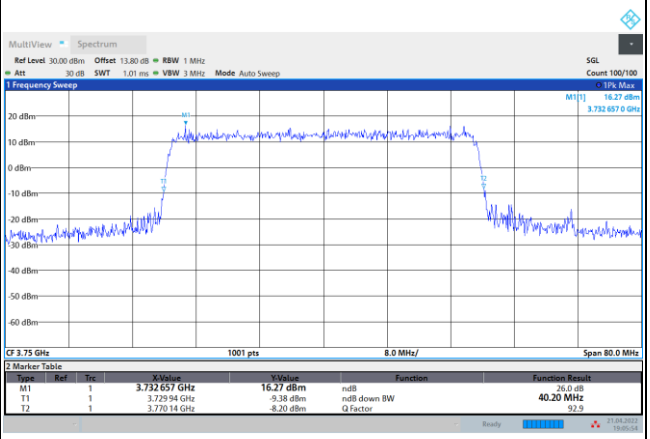
### QPSK



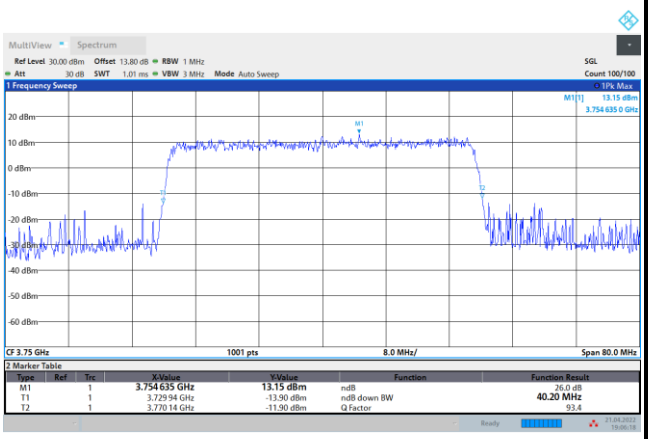

### 16QAM




### 64QAM

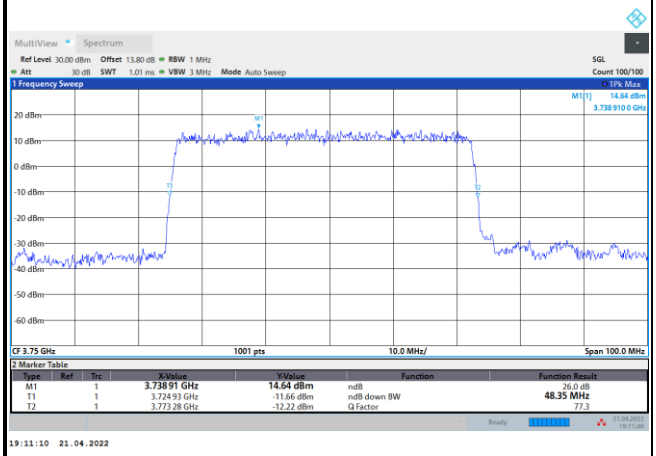



### 256QAM



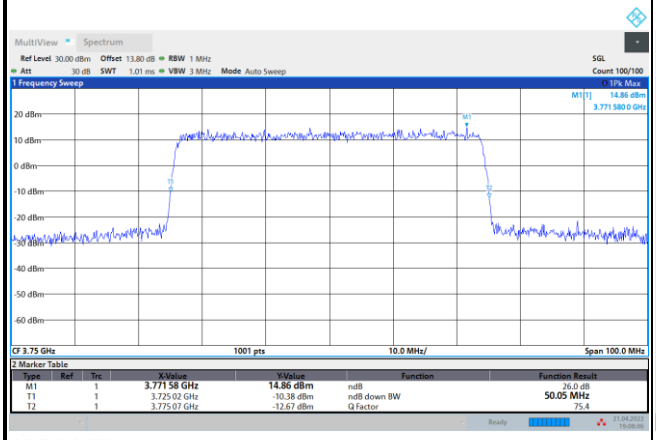
## FR1 n78 / 50MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

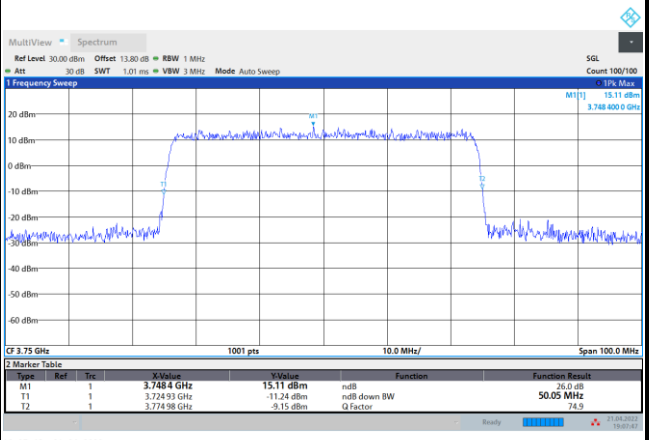



## FR1 n78 / 50MHz / CP OFDM / Middle Channel / Full RB

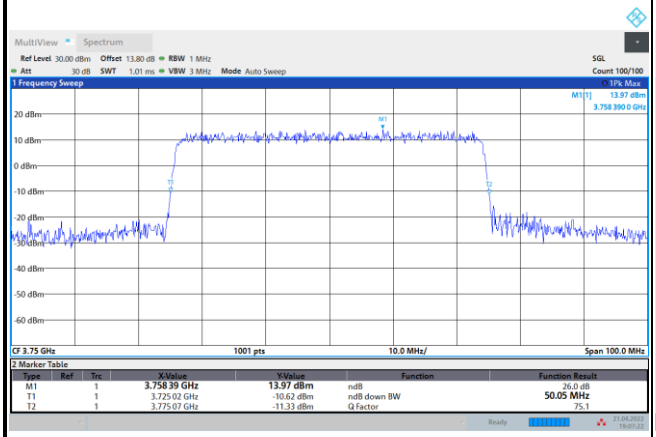
### QPSK



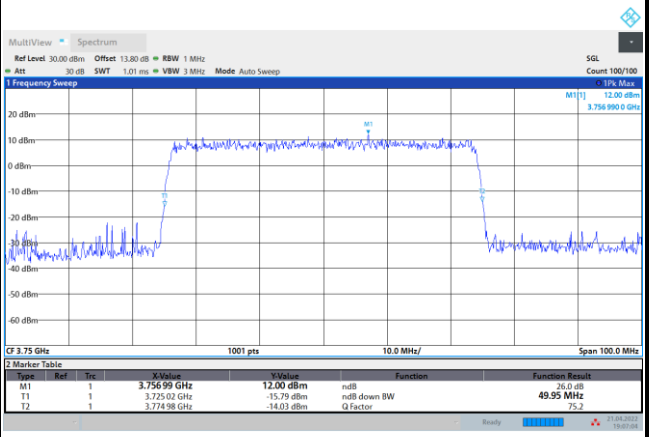

### 16QAM




### 64QAM

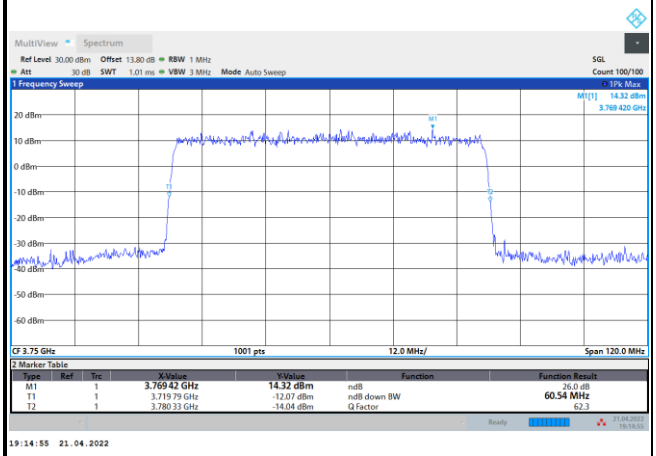



### 256QAM



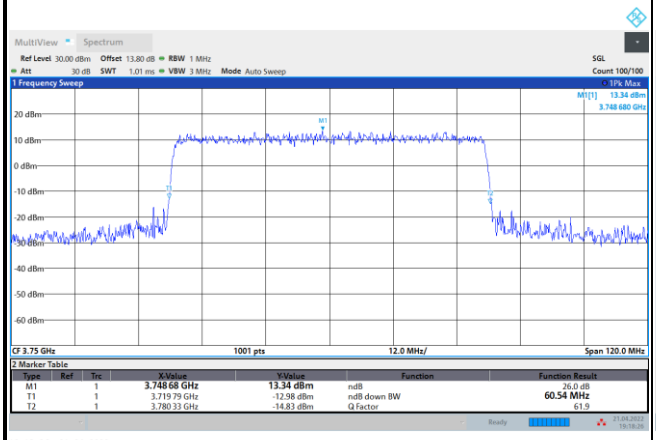
## FR1 n78 / 60MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

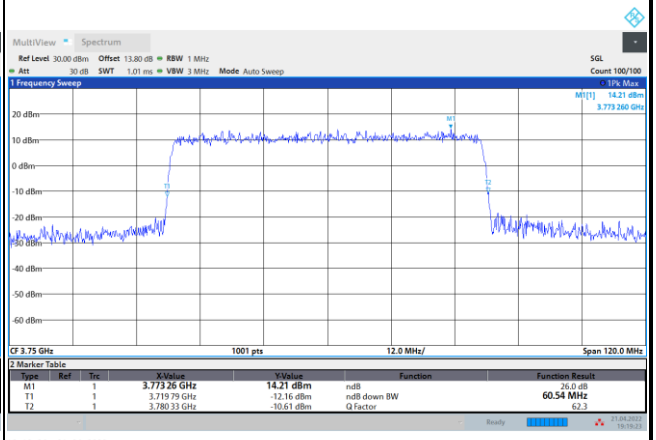



## FR1 n78 / 60MHz / CP OFDM / Middle Channel / Full RB

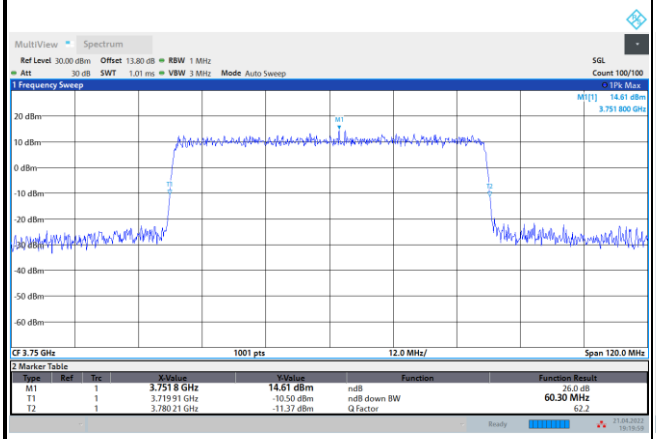
### QPSK




### 16QAM



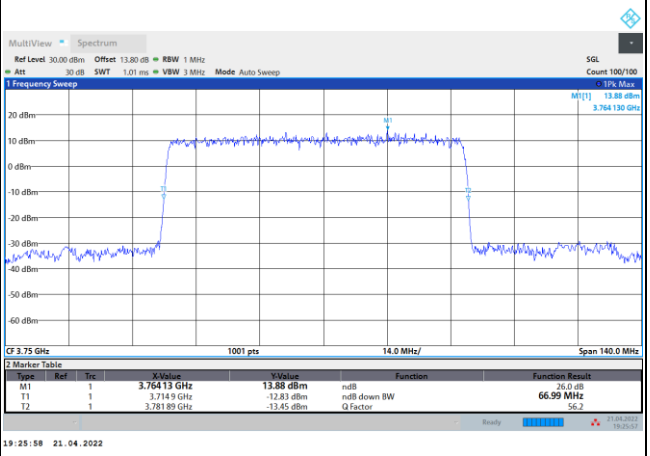

### 64QAM




### 256QAM

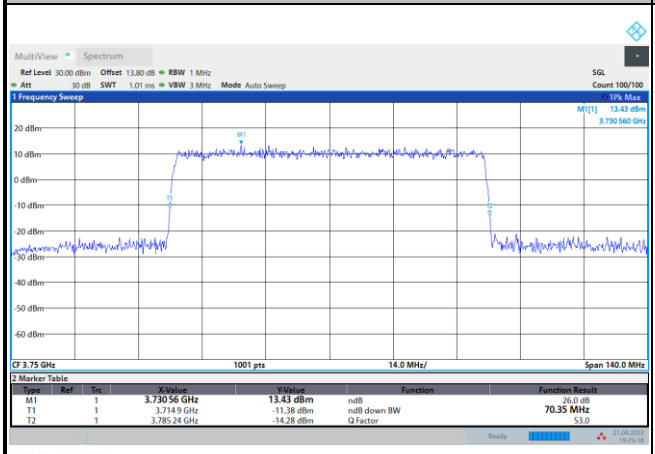
## FR1 n78 / 70MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

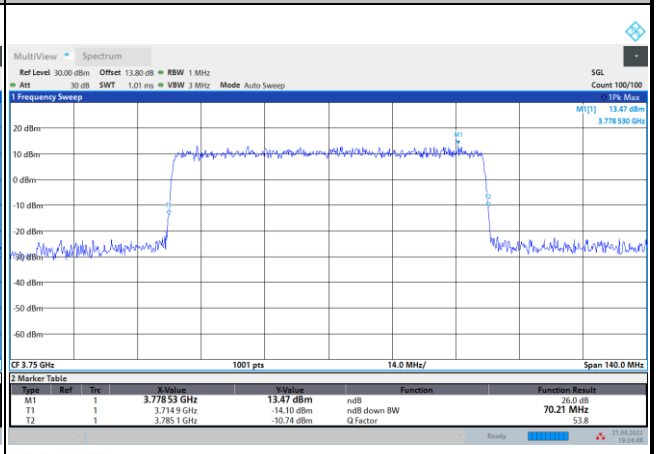



## FR1 n78 / 70MHz / CP OFDM / Middle Channel / Full RB

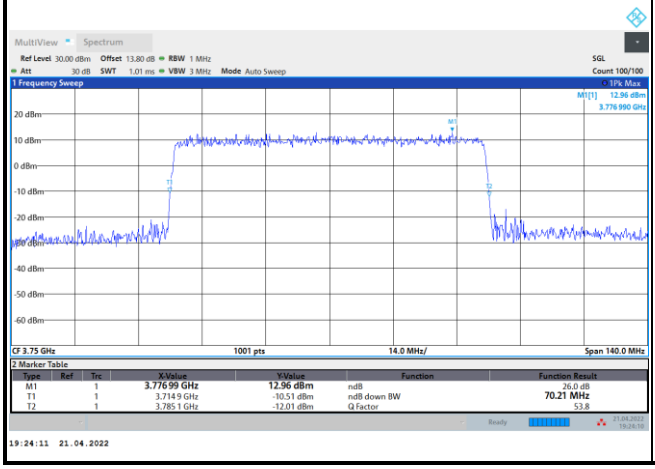
### QPSK



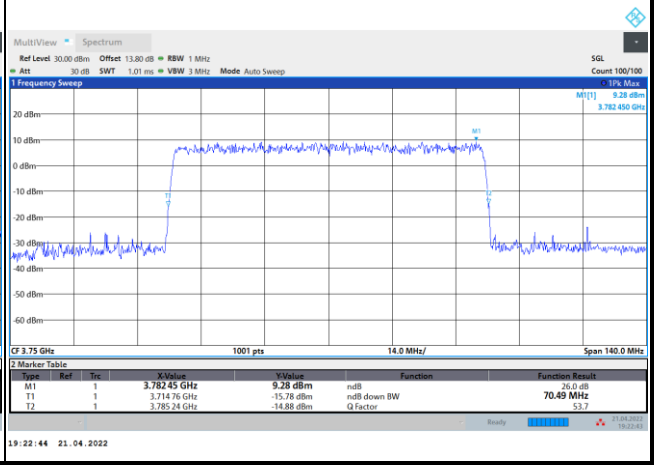

### 16QAM




### 64QAM

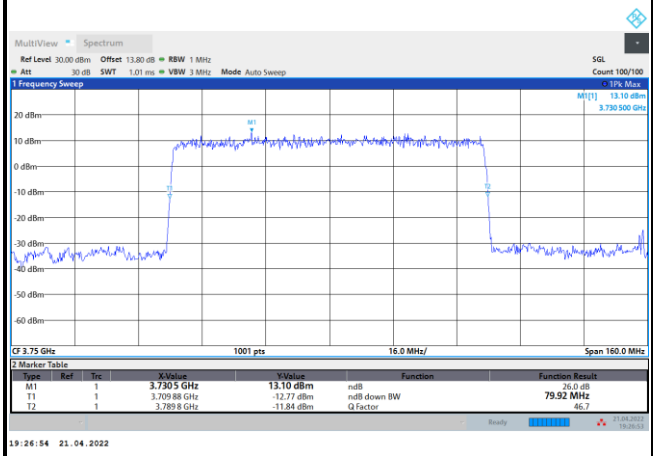



### 256QAM



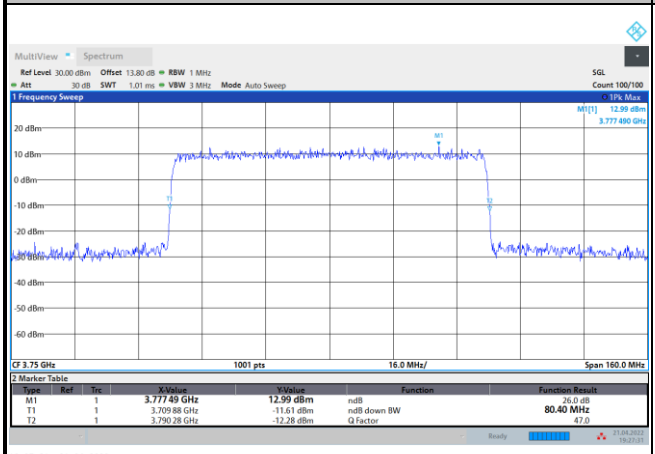
## FR1 n78 / 80MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

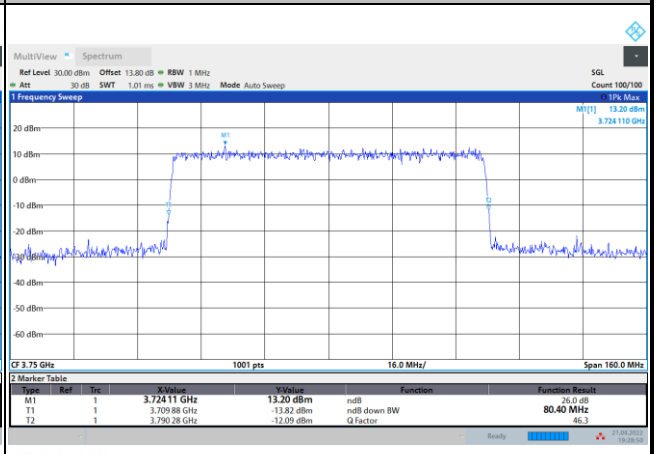



## FR1 n78 / 80MHz / CP OFDM / Middle Channel / Full RB

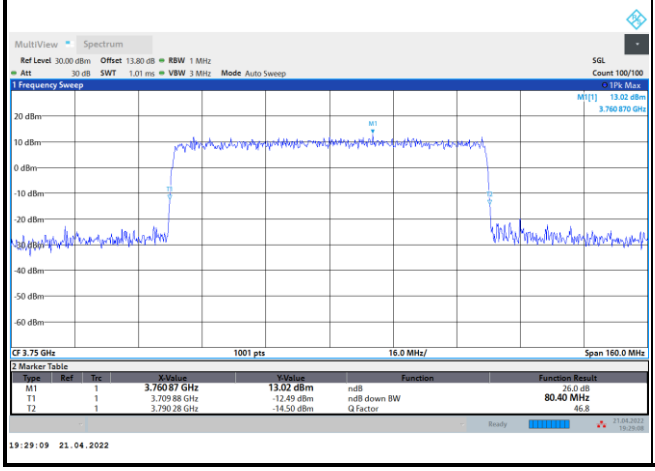
### QPSK



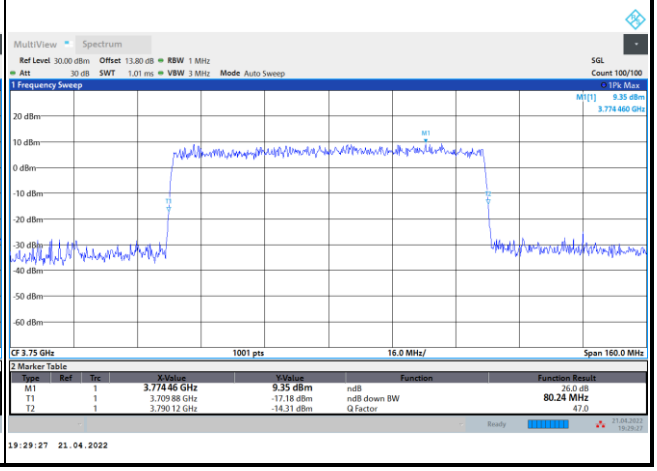

### 16QAM




### 64QAM

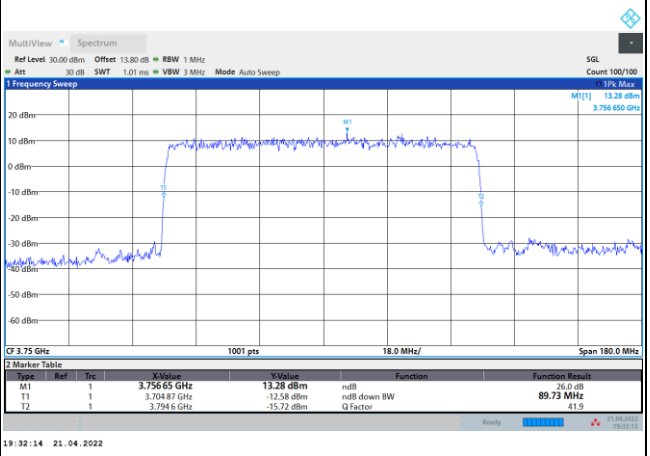



### 256QAM



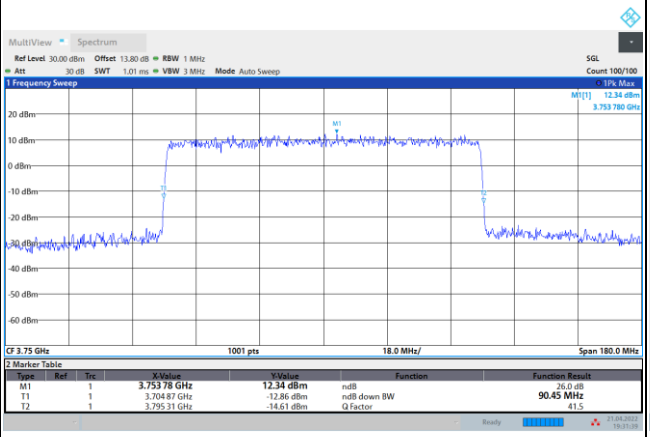
## FR1 n78 / 90MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

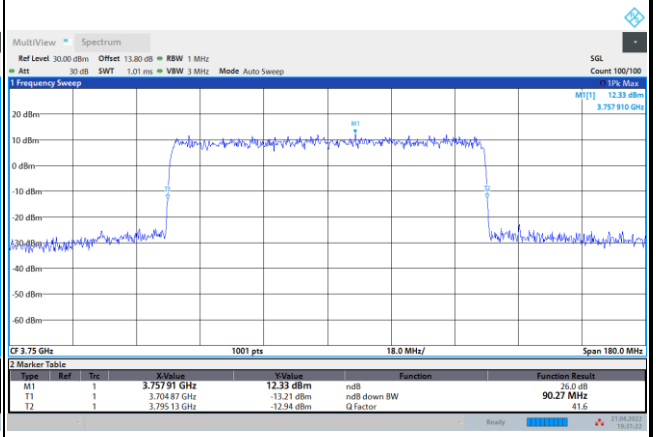



## FR1 n78 / 90MHz / CP OFDM / Middle Channel / Full RB

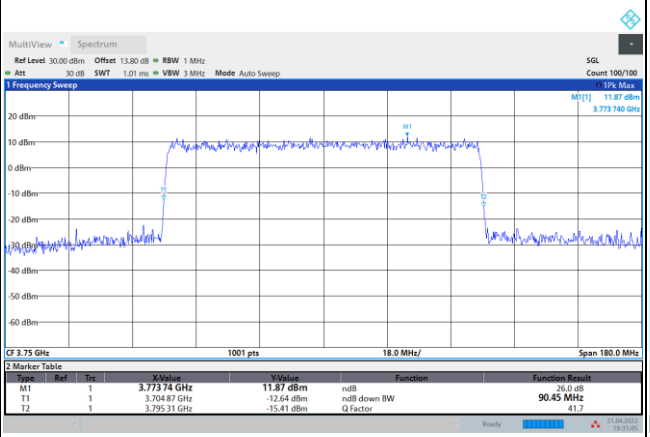
### QPSK



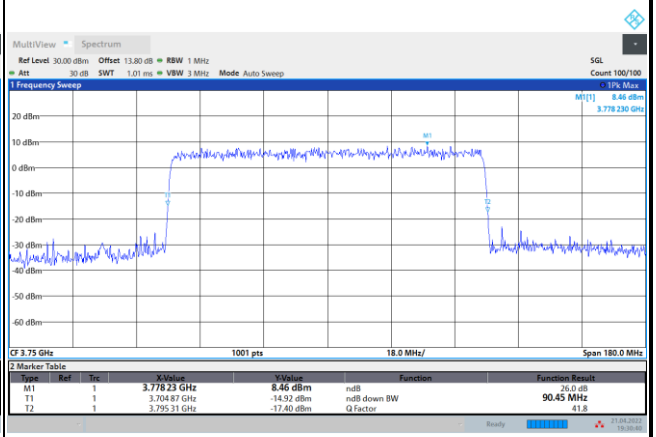

### 16QAM




### 64QAM

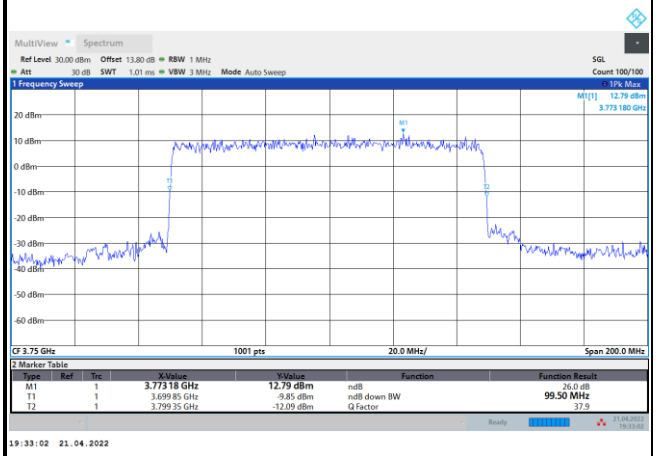



### 256QAM



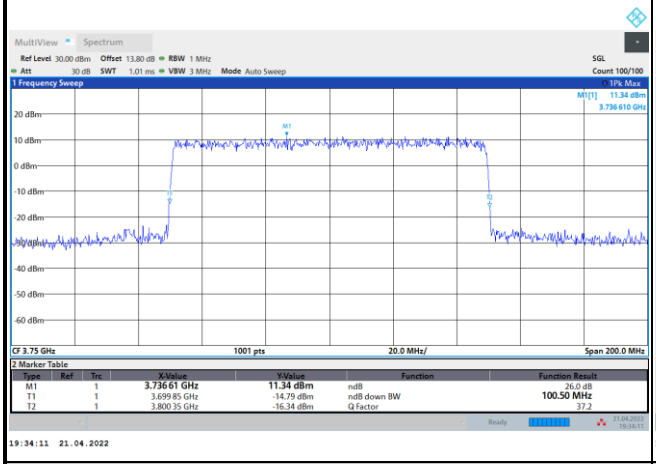
## FR1 n78 / 100MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

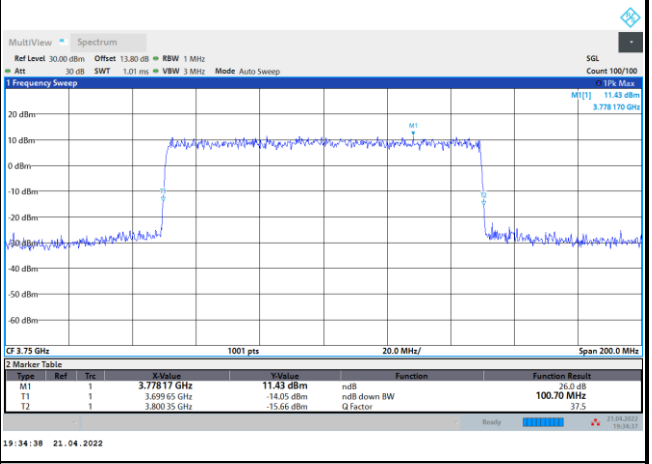



## FR1 n78 / 100MHz / CP OFDM / Middle Channel / Full RB

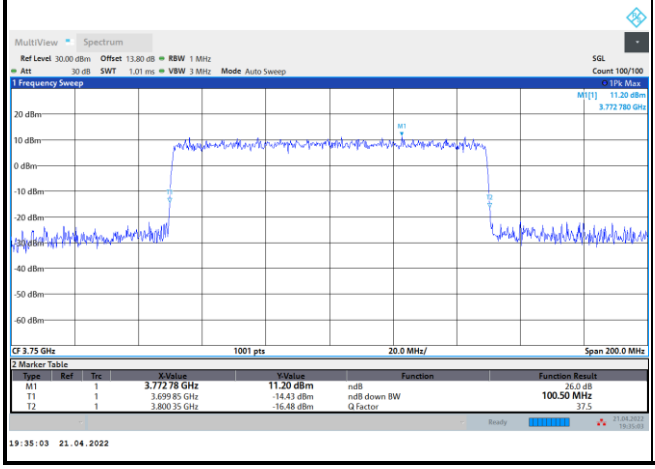
### QPSK



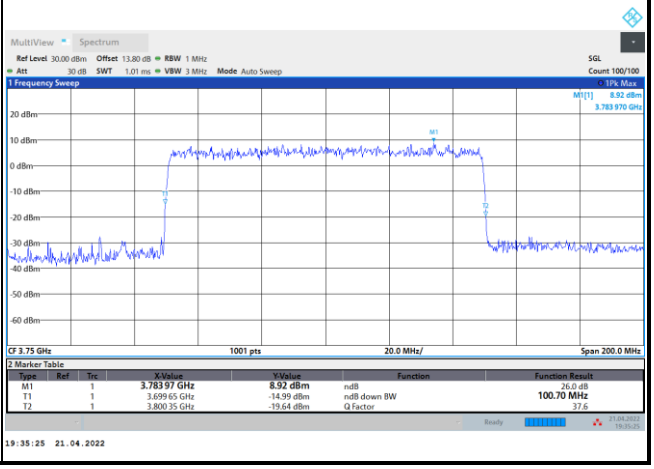

### 16QAM




### 64QAM




### 256QAM



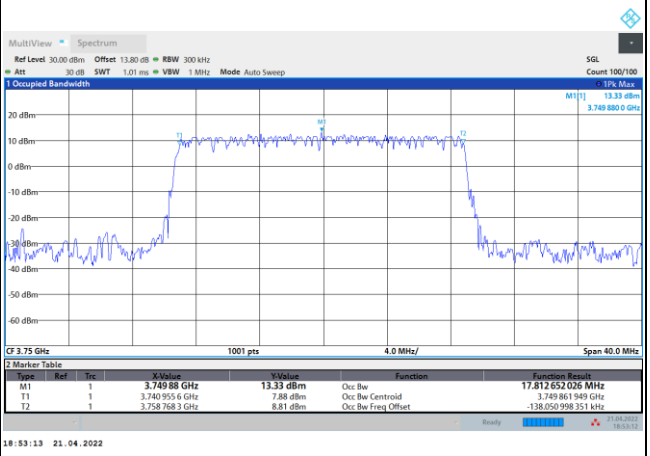
# Occupied Bandwidth

| Mode | FR1 n78 : OB BW(MHz) / DFT-S OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 20MHz | 30MHz | 40MHz | 50MHz | 60MHz | 70MHz | 80MHz | 90MHz |
| 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 | 17.81 | 26.70 | 35.94 | 45.76 | 57.69 | 64.15 | 76.95 | 86.31 |
| BW | 100MHz | | | | | | | |
| Mod. | PI/2 BPSK | | | | | | | |
| Middle CH | 96.10 | | | | | | | |

| Mode | FR1 n78 : OB BW(MHz) / CP OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 20MHz | | 30MHz | | 40MHz | | 50MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 18.21 | 18.22 | 27.86 | 27.85 | 38.00 | 37.78 | 47.66 | 47.54 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 18.24 | 18.27 | 27.68 | 27.88 | 38.02 | 37.95 | 47.46 | 47.44 |
| BW | 60MHz | | 70MHz | | 80MHz | | 90MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 57.82 | 57.81 | 67.36 | 67.36 | 77.17 | 77.35 | 87.27 | 87.32 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 57.84 | 57.87 | 67.32 | 67.26 | 77.16 | 77.25 | 87.20 | 87.23 |
| BW | 100MHz | | | | | | | |
| Mod. | QPSK | 16QAM | | | | | | |
| Middle CH | 97.24 | 97.37 | | | | | | |
| Mod. | 64QAM | 256QAM | | | | | | |
| Middle CH | 97.12 | 97.44 | | | | | | |

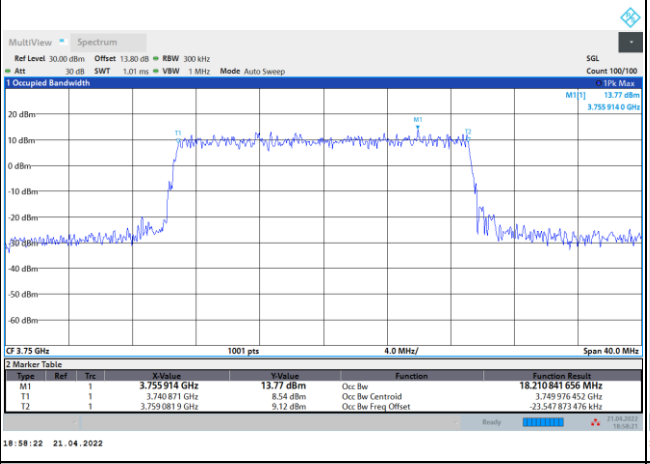
## FR1 n78 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

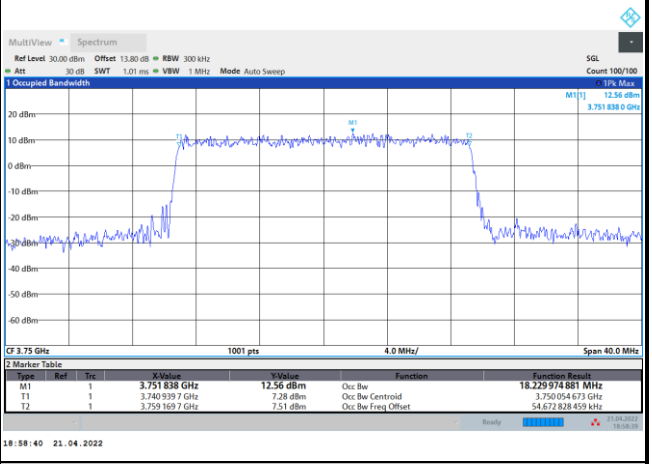



## FR1 n78 / 20MHz / CP OFDM / Middle Channel / Full RB

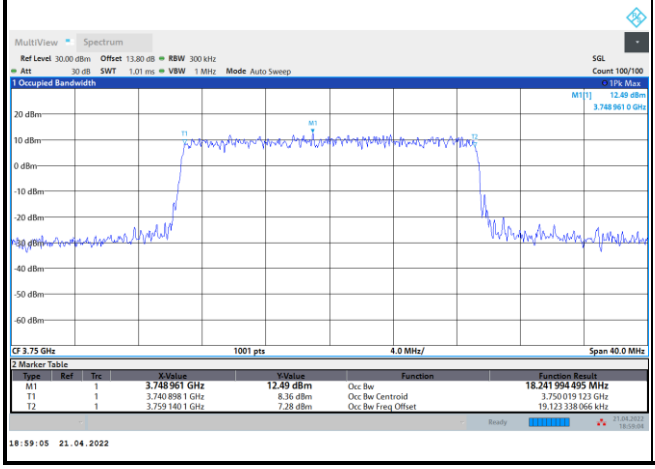
### QPSK



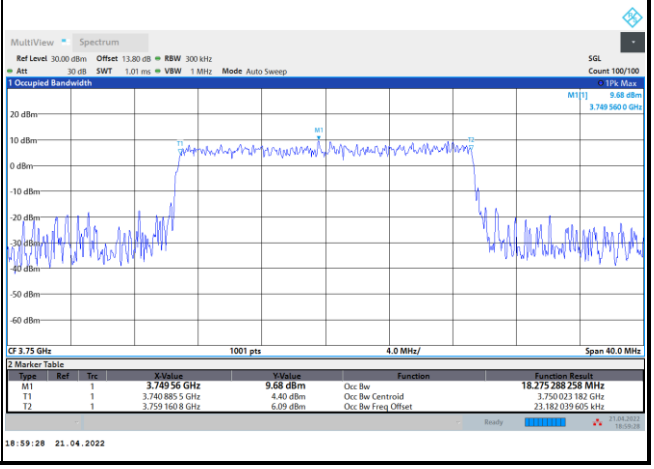

### 16QAM




### 64QAM

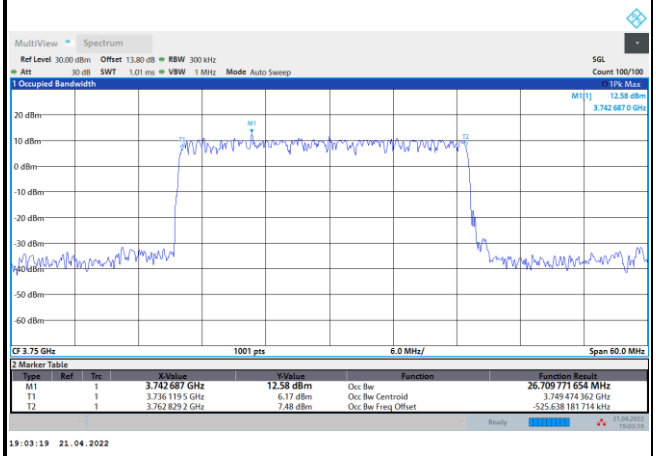



### 256QAM



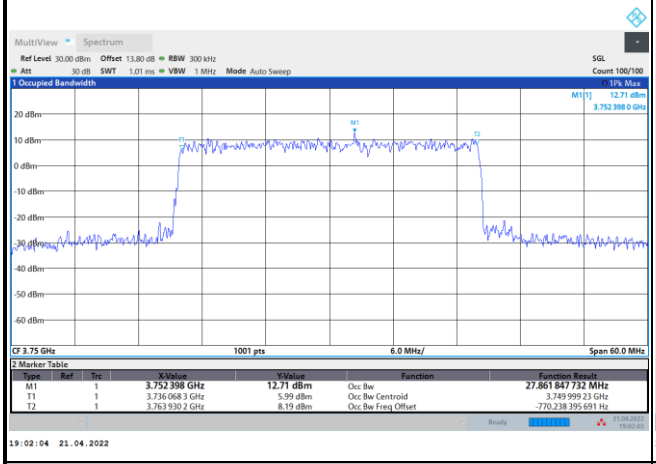
## FR1 n78 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

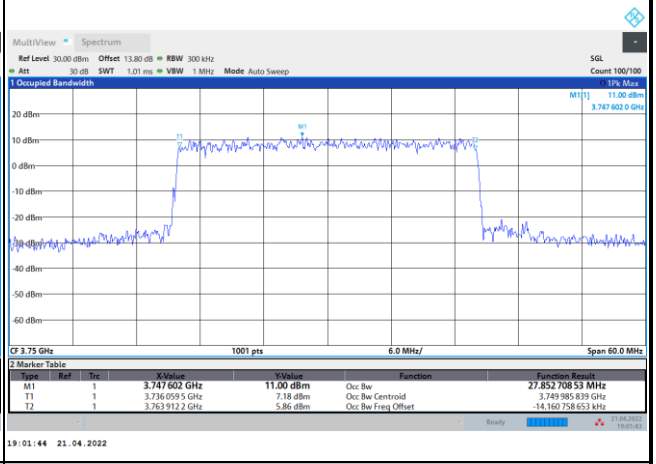



## FR1 n78 / 30MHz / CP OFDM / Middle Channel / Full RB

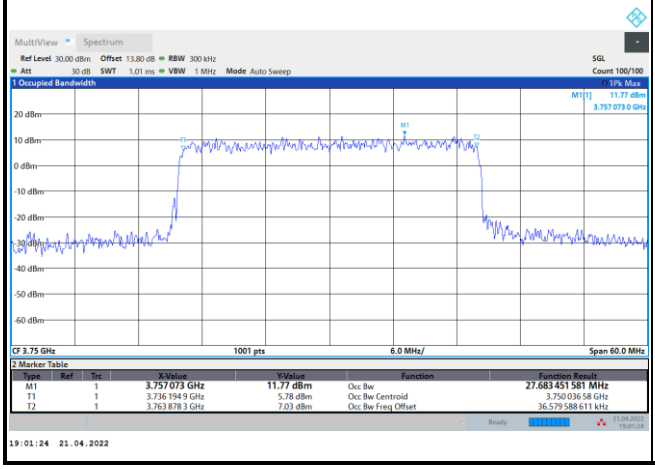
### QPSK




### 16QAM



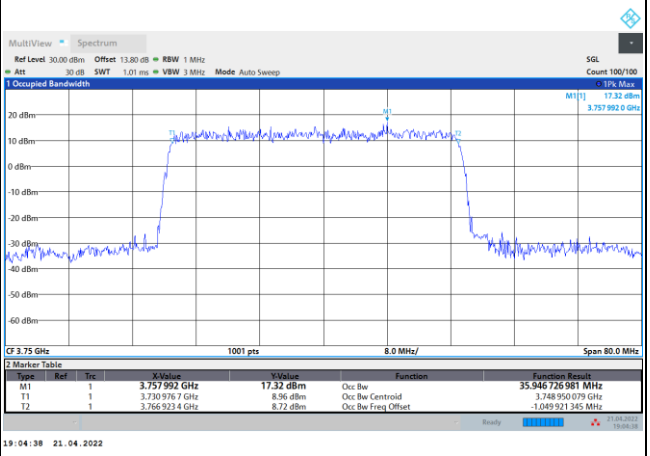

### 64QAM




### 256QAM

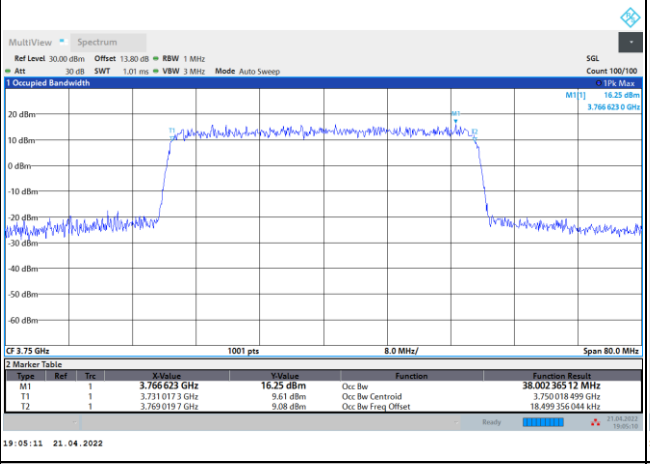
## FR1 n78 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

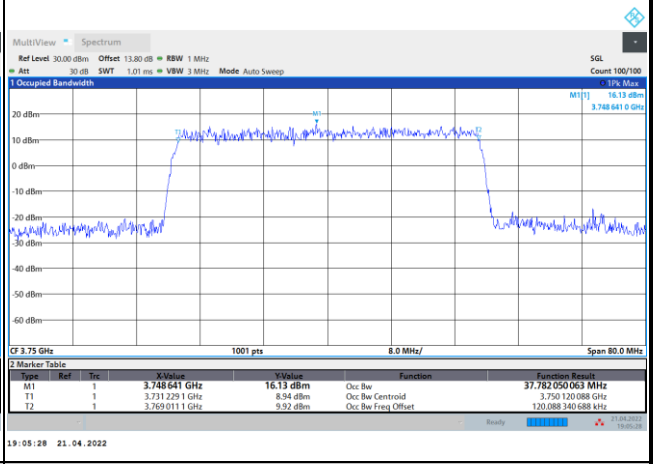



## FR1 n78 / 40MHz / CP OFDM / Middle Channel / Full RB

### QPSK

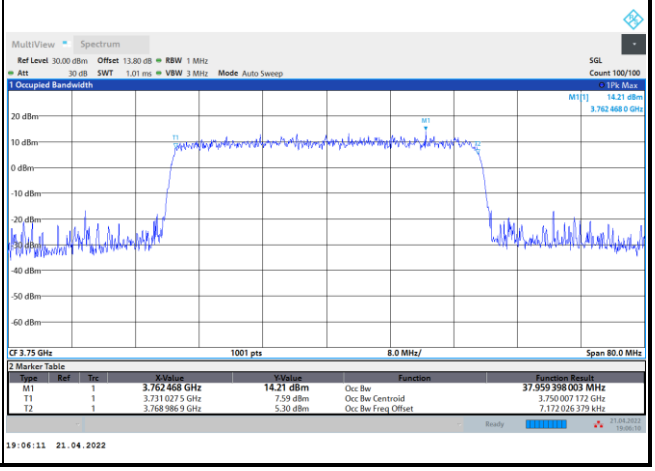



### 16QAM



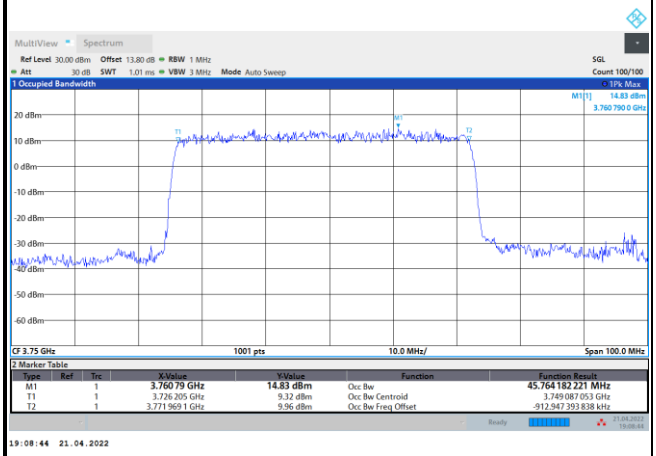

### 64QAM

### 256QAM



## FR1 n78 / 50MHz / DFT-S OFDM / Middle Channel / Full RB

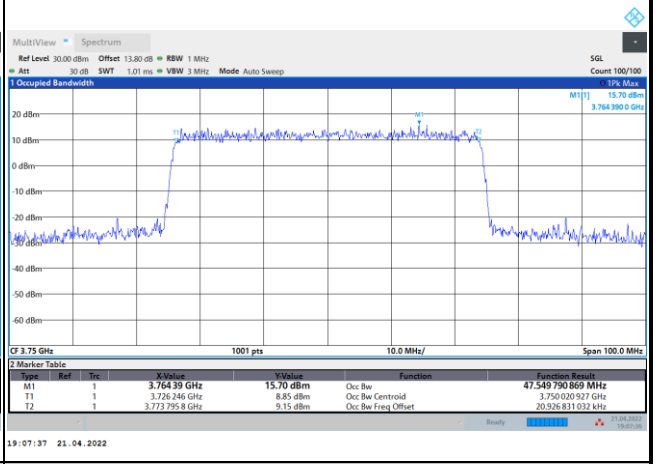
### PI/2 BPSK



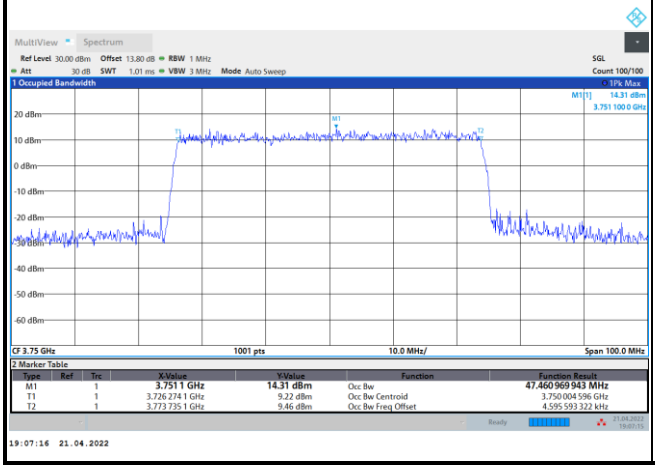

## FR1 n78 / 50MHz / CP OFDM / Middle Channel / Full RB

### QPSK

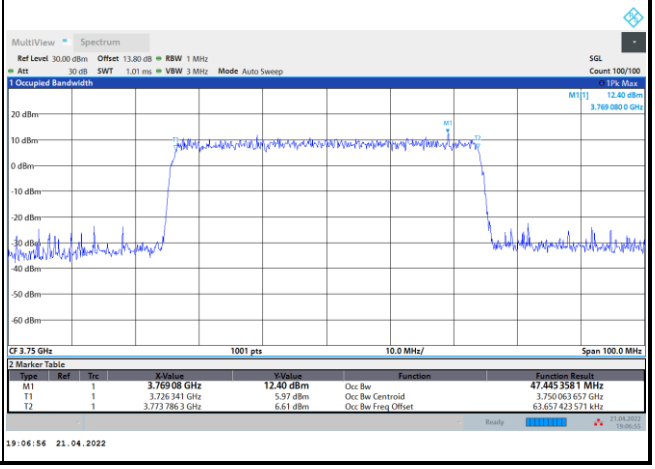
### 16QAM




### 64QAM

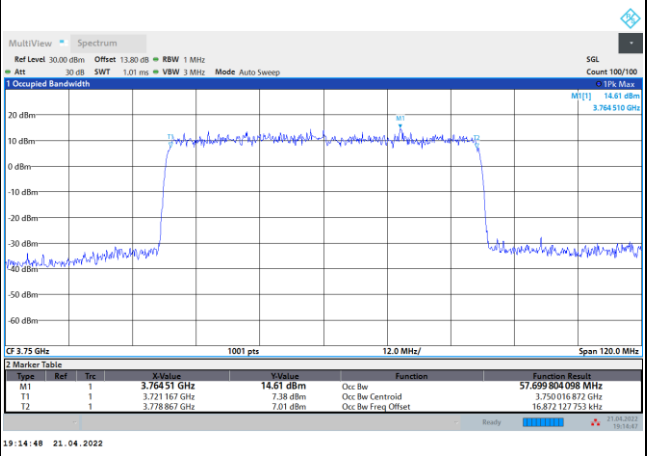



### 256QAM



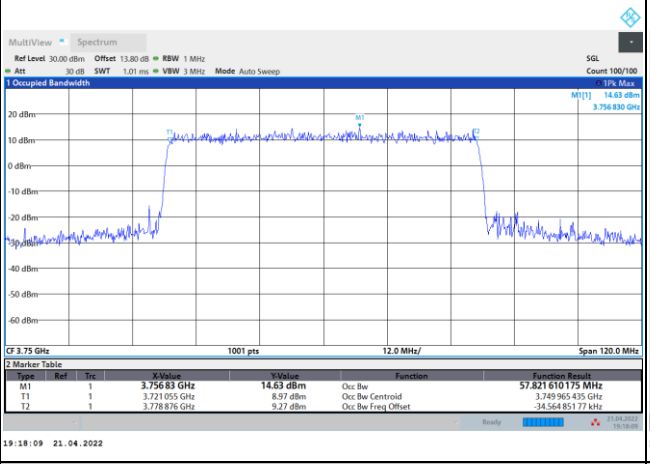
## FR1 n78 / 60MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

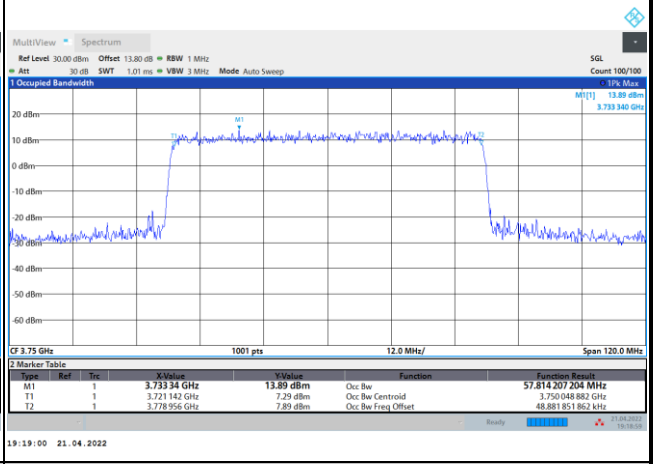



## FR1 n78 / 60MHz / CP OFDM / Middle Channel / Full RB

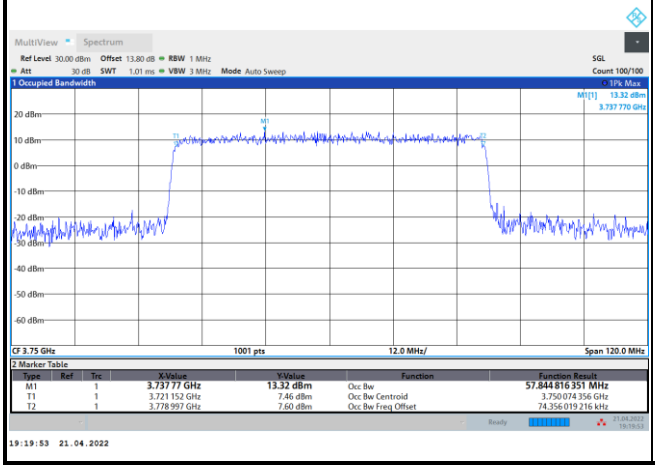
### QPSK



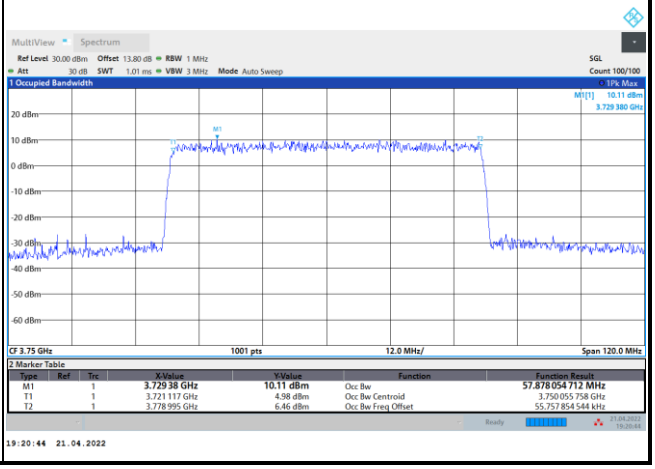

### 16QAM




### 64QAM

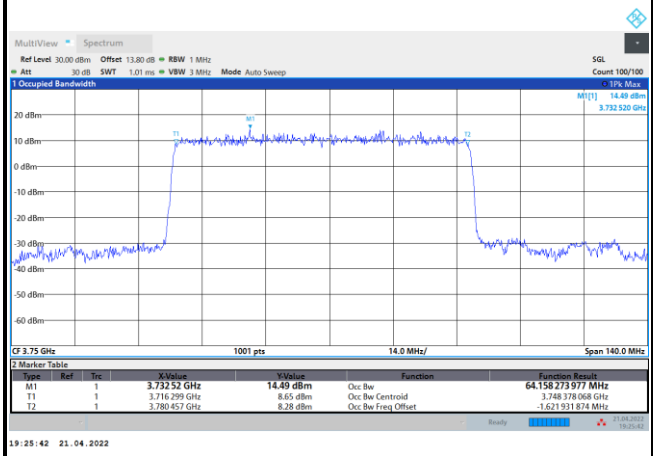



### 256QAM



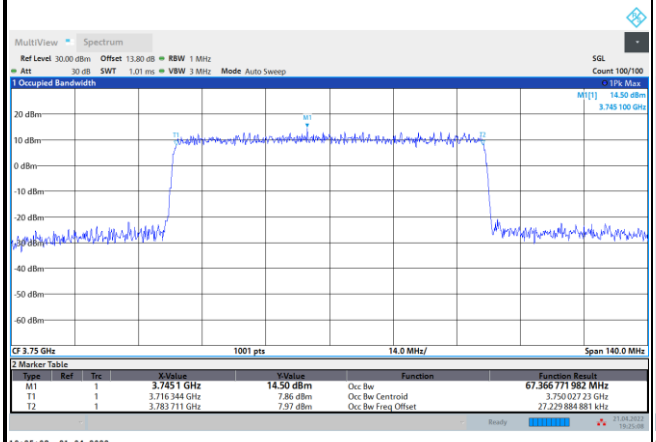
## FR1 n78 / 70MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

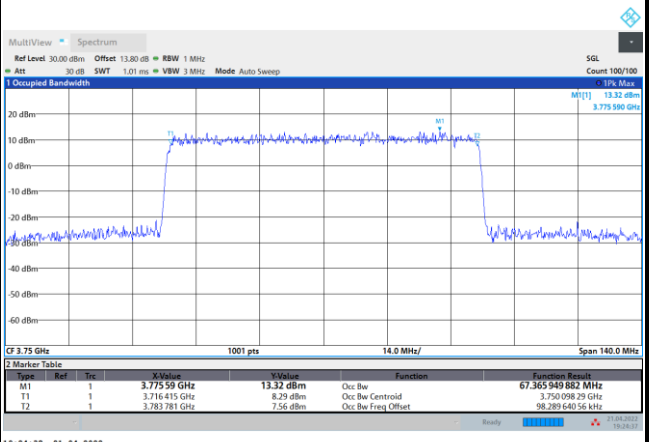



## FR1 n78 / 70MHz / CP OFDM / Middle Channel / Full RB

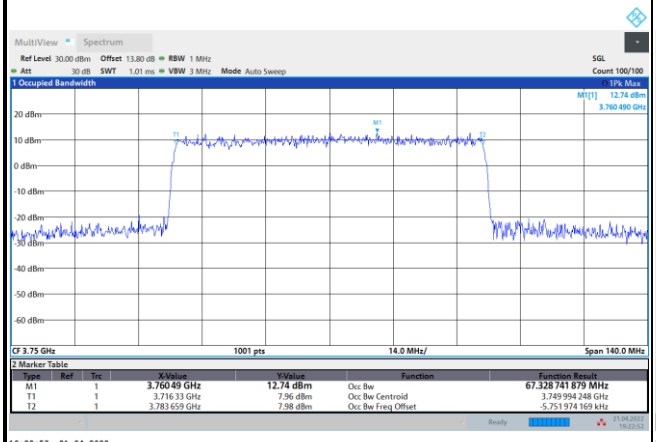
### QPSK



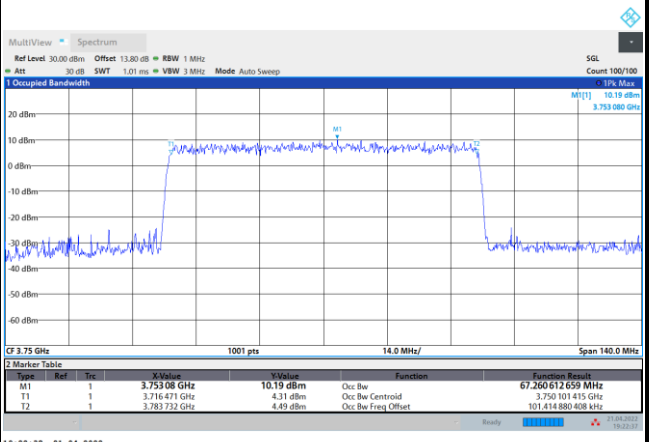

### 16QAM




### 64QAM

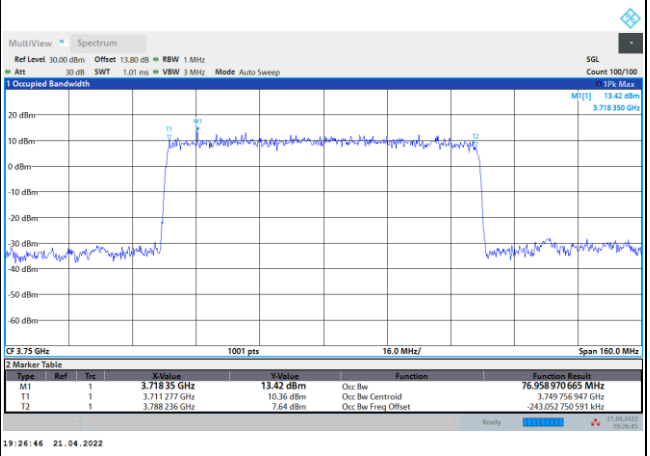



### 256QAM



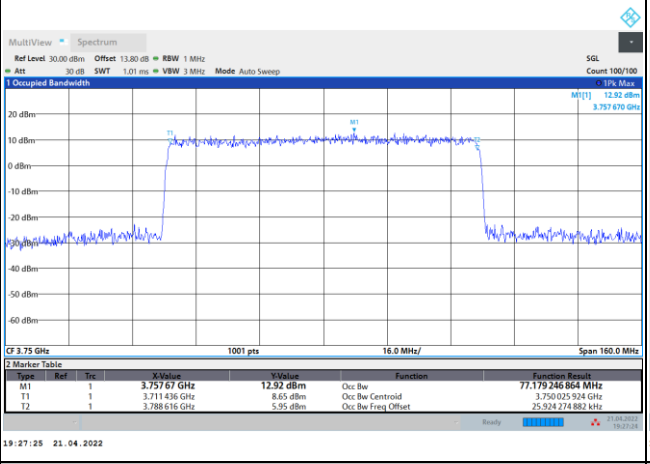
## FR1 n78 / 80MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK




## FR1 n78 / 80MHz / CP OFDM / Middle Channel / Full RB

### QPSK

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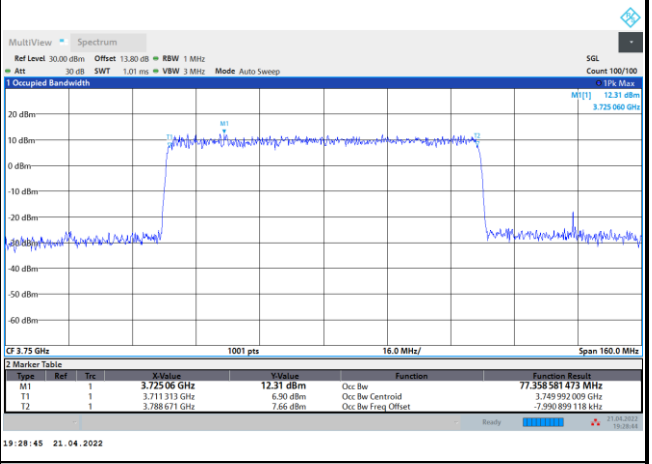
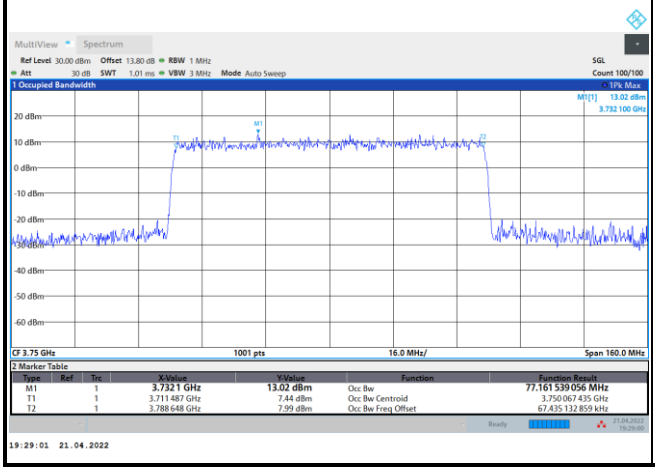
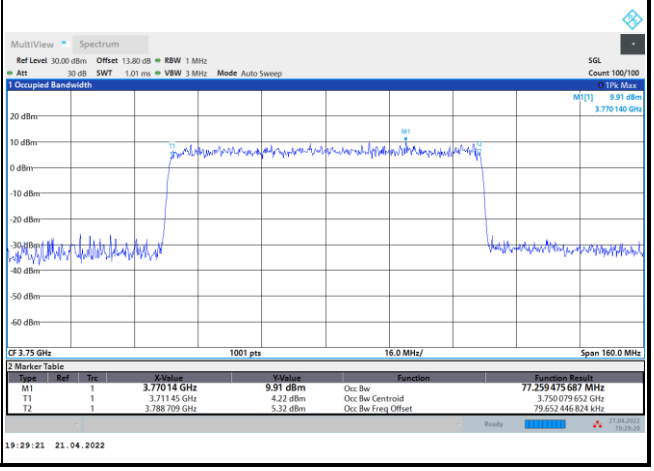



### 64QAM

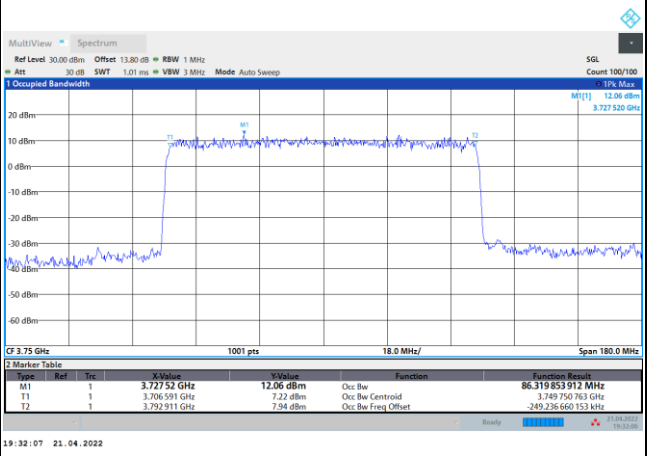



### 256QAM



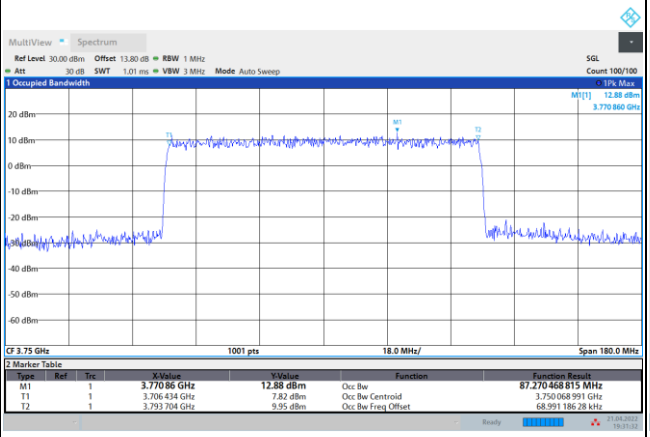
## FR1 n78 / 90MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

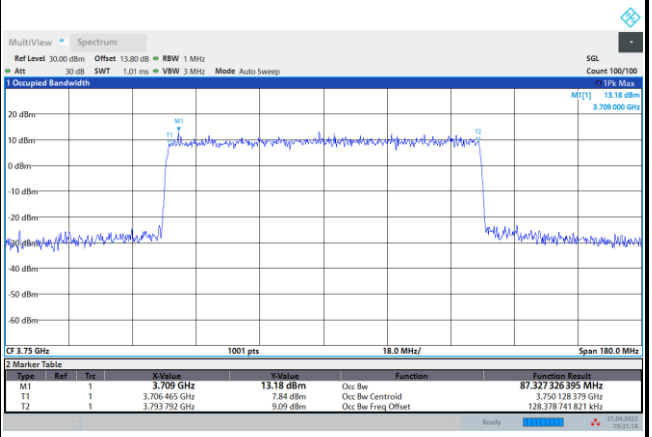



## FR1 n78 / 90MHz / CP OFDM / Middle Channel / Full RB

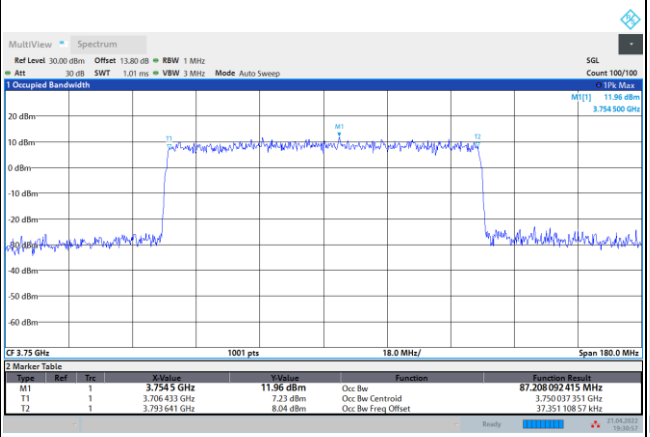
### QPSK



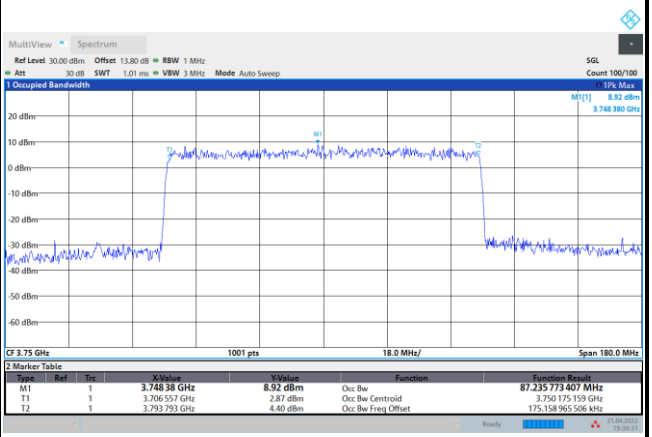

### 16QAM




### 64QAM

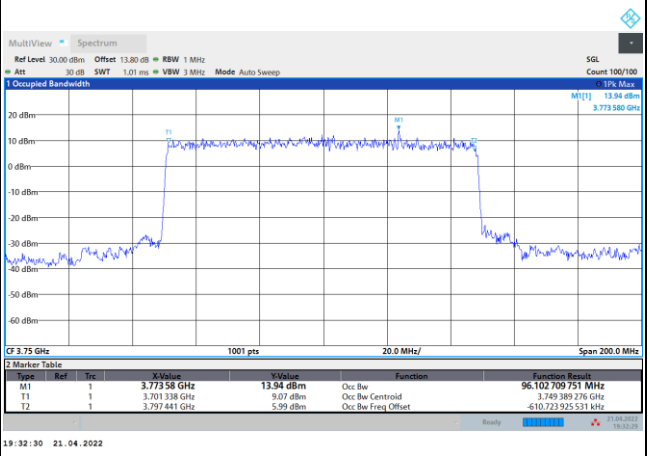



### 256QAM



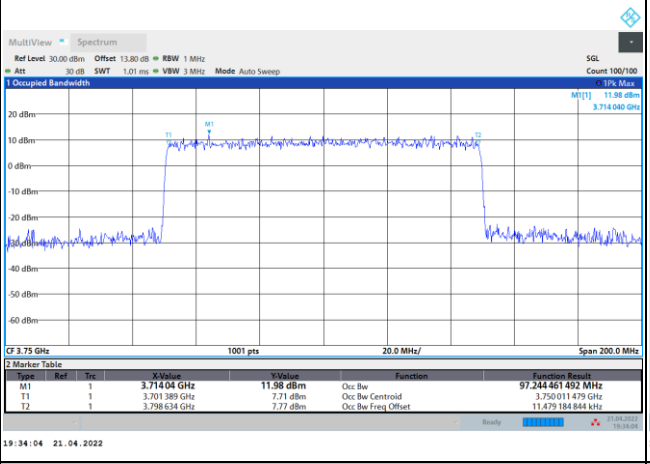
## FR1 n78 / 100MHz / DFT-S OFDM / Middle Channel / Full RB

### PI/2 BPSK

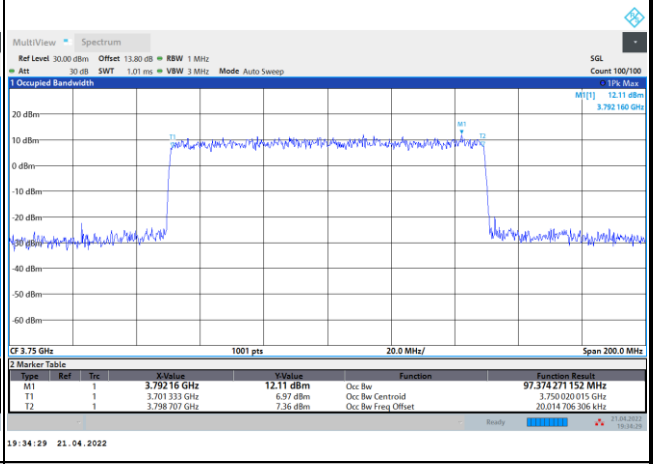



## FR1 n78 / 100MHz / CP OFDM / Middle Channel / Full RB

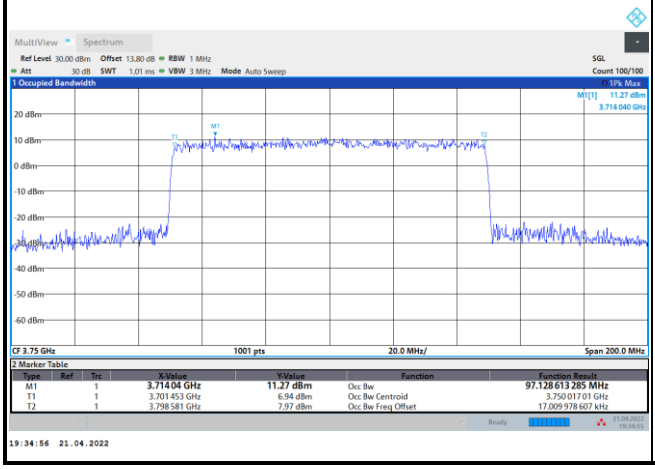
### QPSK




### 16QAM




### 64QAM

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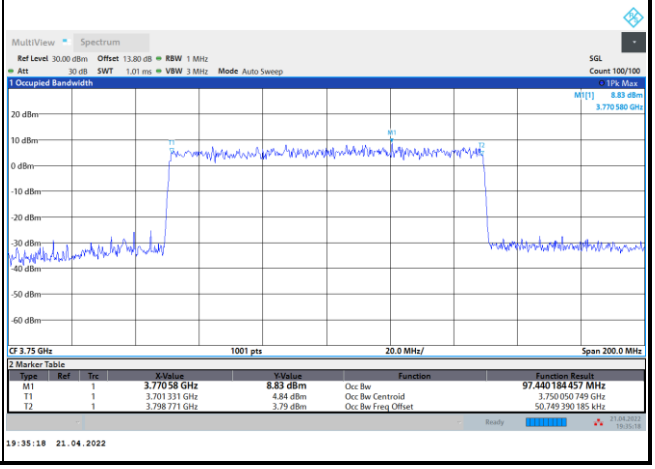
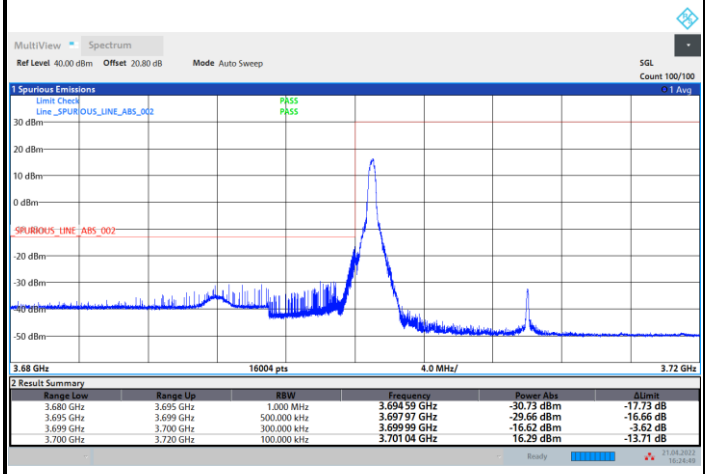


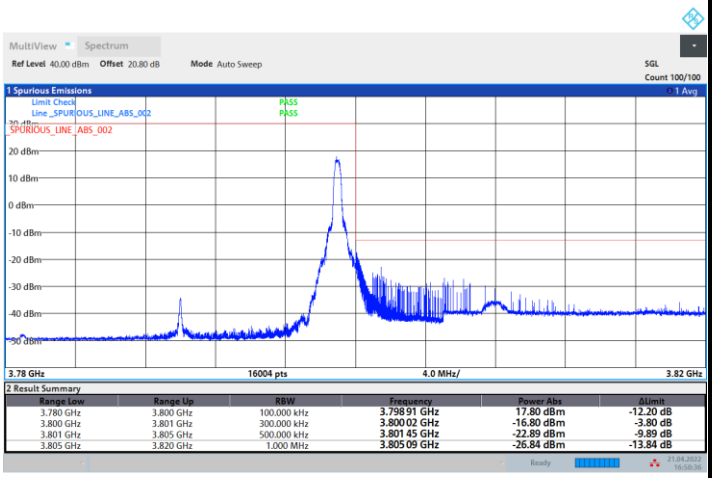
# Conducted Band Edge

## FR1 n78 / 20MHz / DFT-S OFDM / PI/2 BPSK

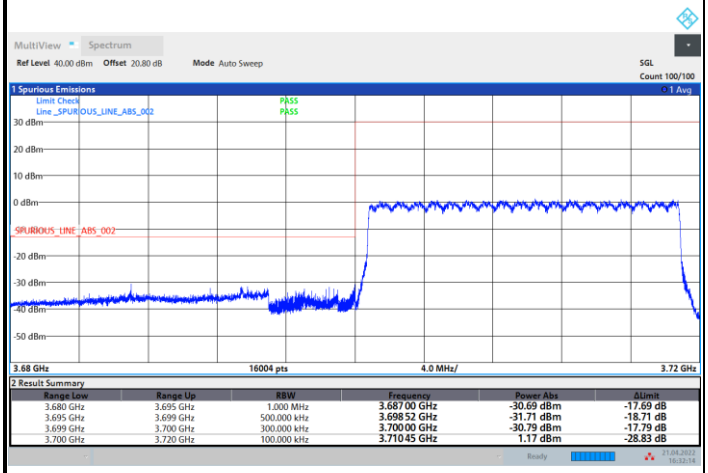
### Lowest Band Edge / 1RB0

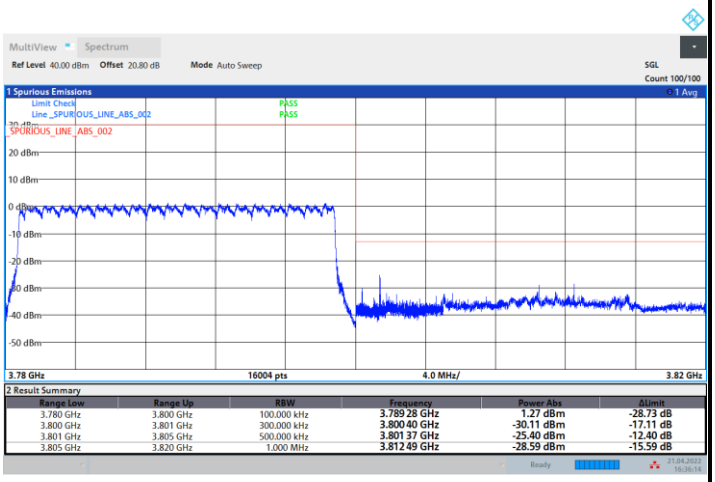



### Highest Band Edge / 1RBmax




### Lowest Band Edge / Full RB




### Highest Band Edge / Full RB