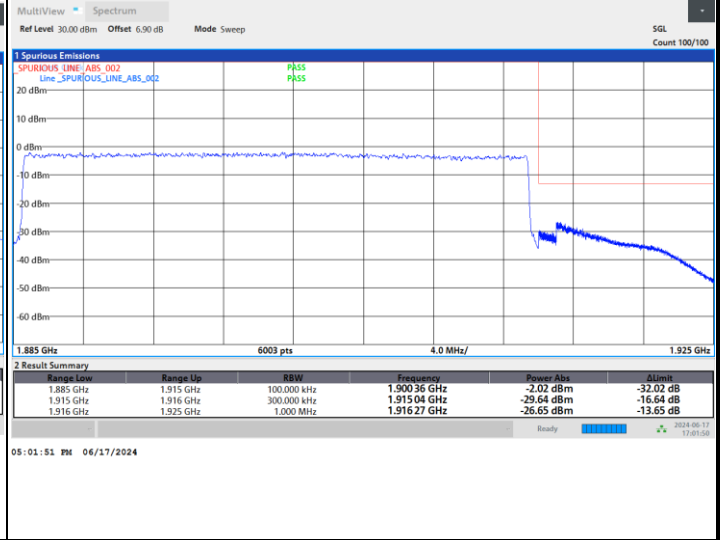
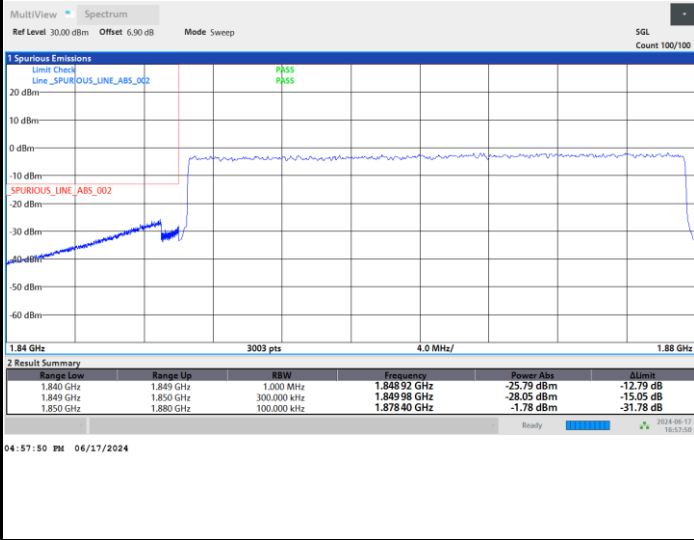




FR1 N25 / 30MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

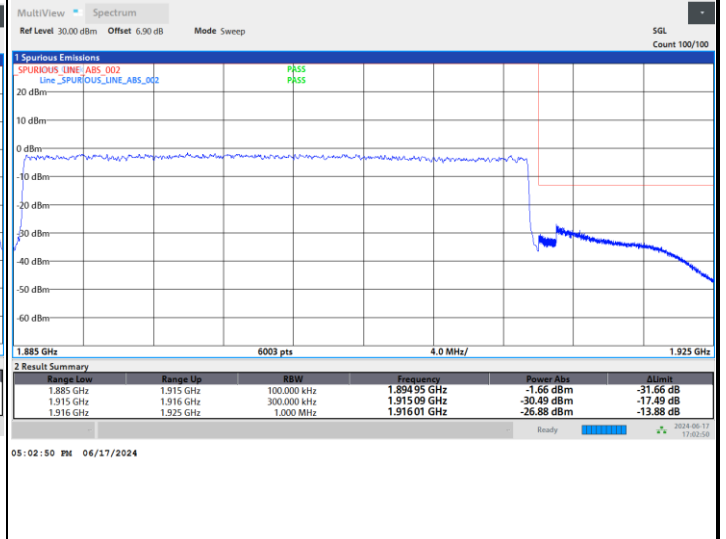
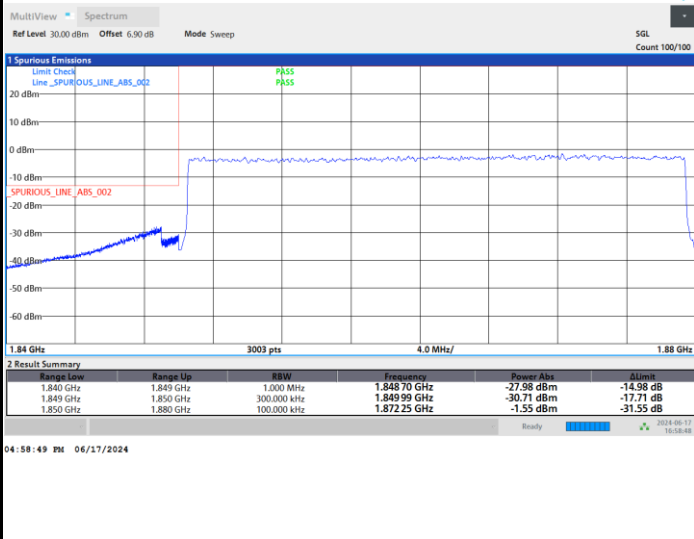
Highest Band Edge / Full RB



FR1 N25 / 30MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

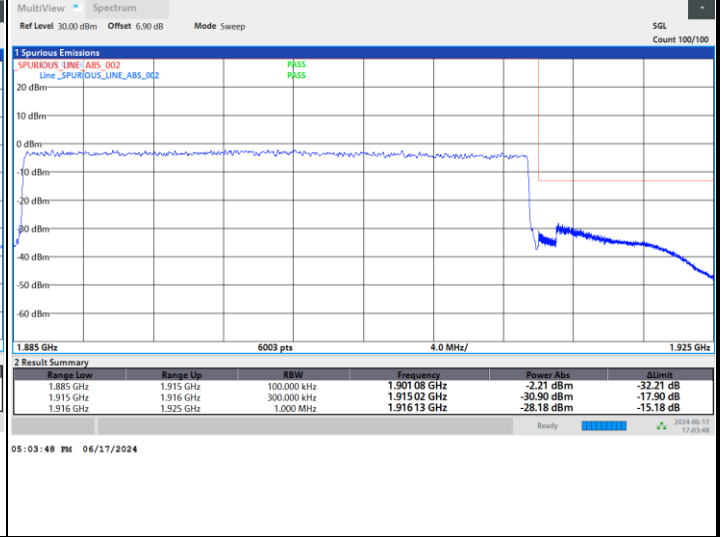
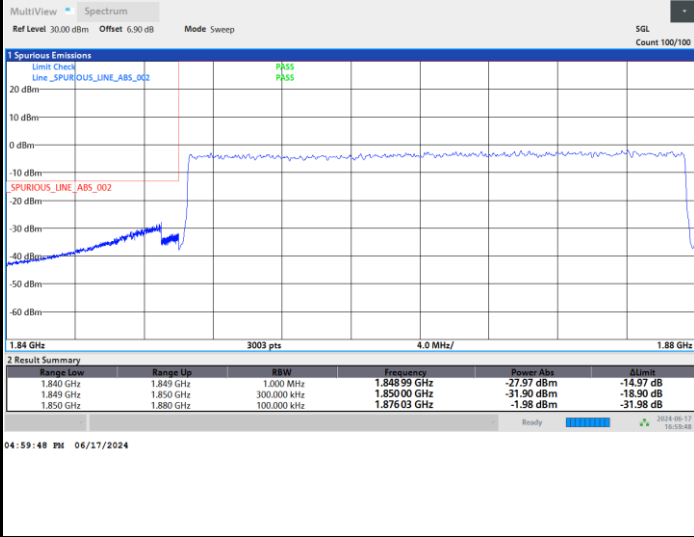




FR1 N25 / 30MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

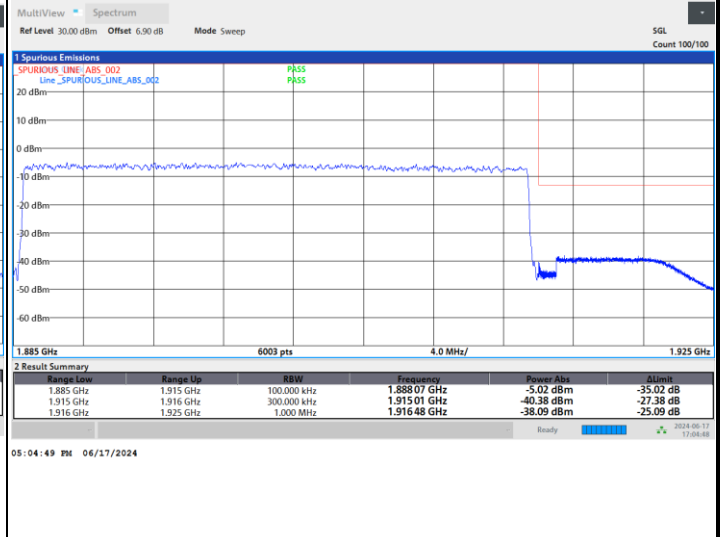
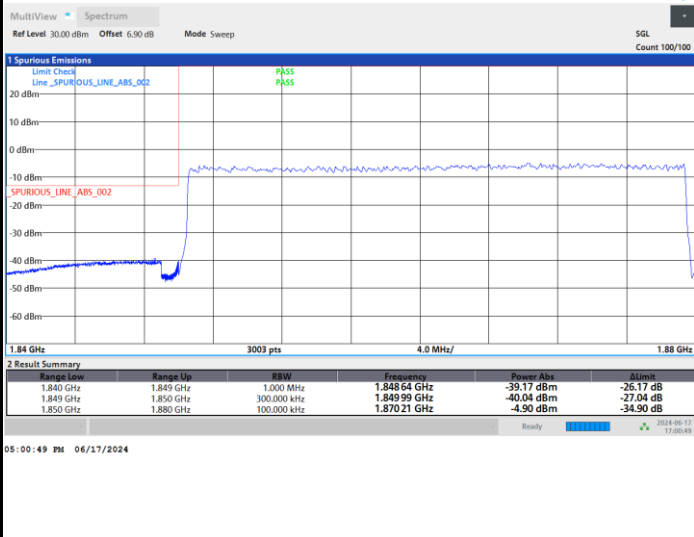
Highest Band Edge / Full RB



FR1 N25 / 30MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

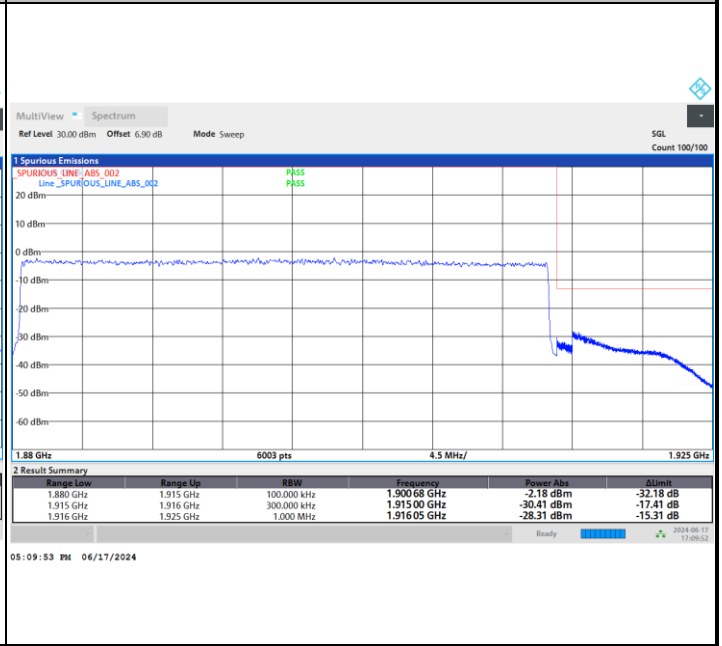
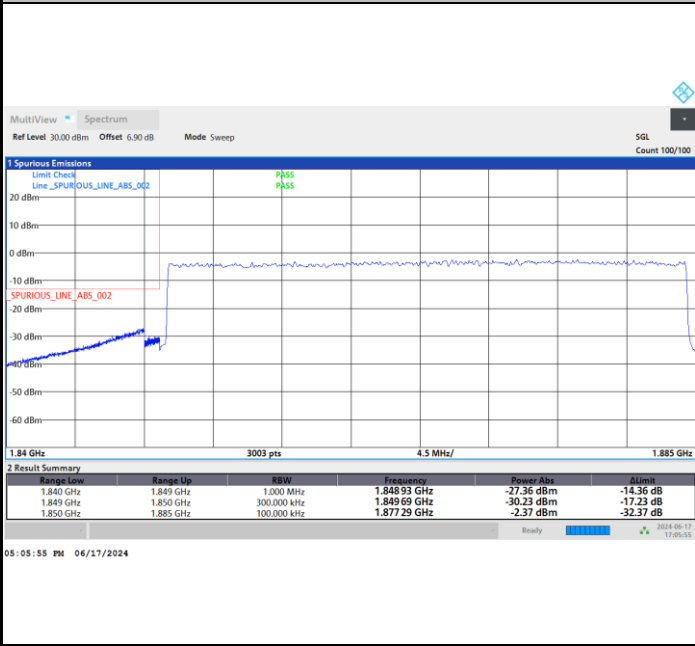




FR1 N25 / 35MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

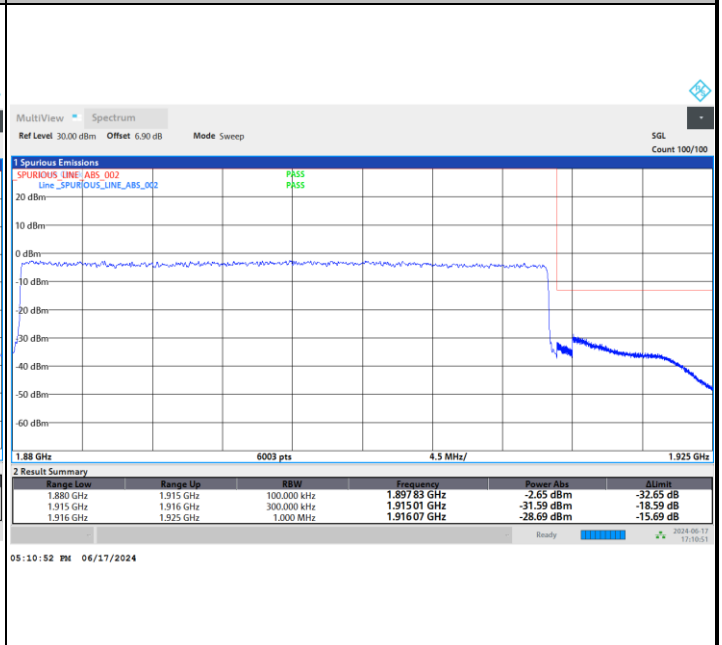
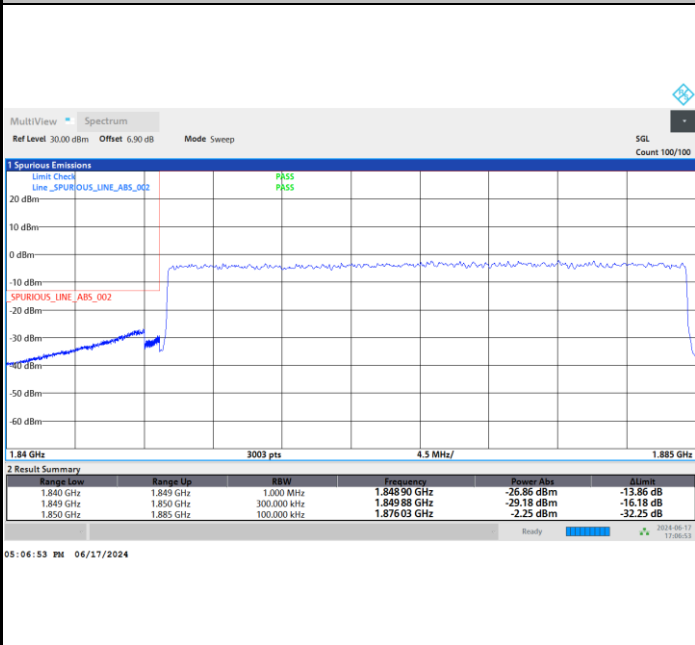
Highest Band Edge / Full RB



FR1 N25 / 35MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

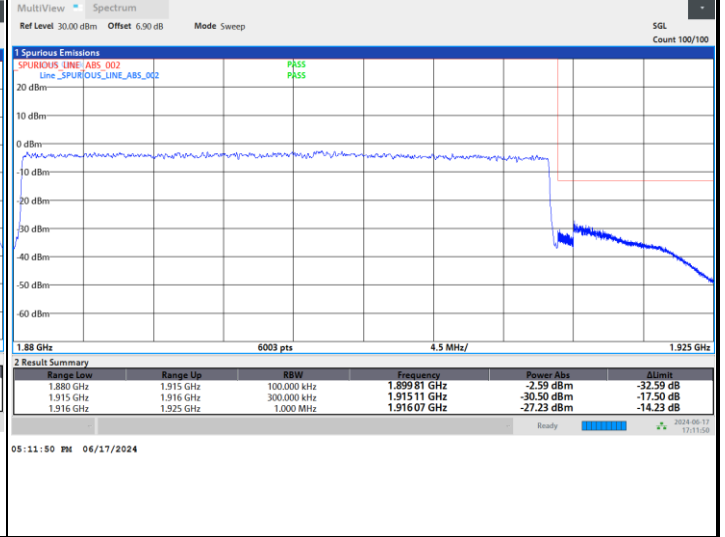
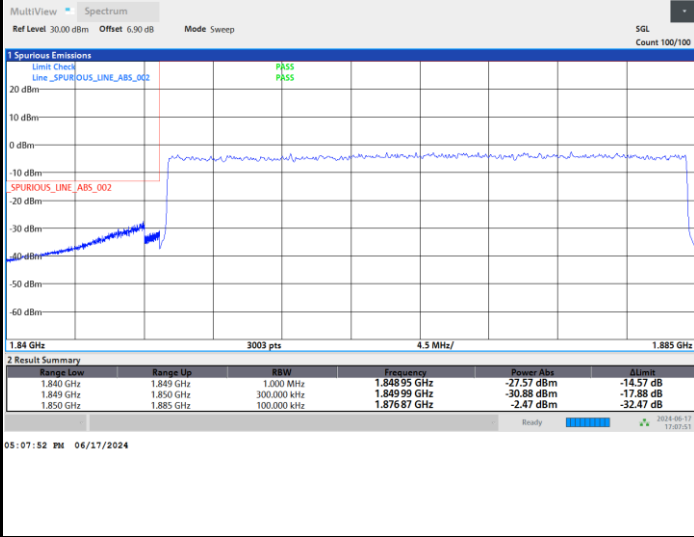




FR1 N25 / 35MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

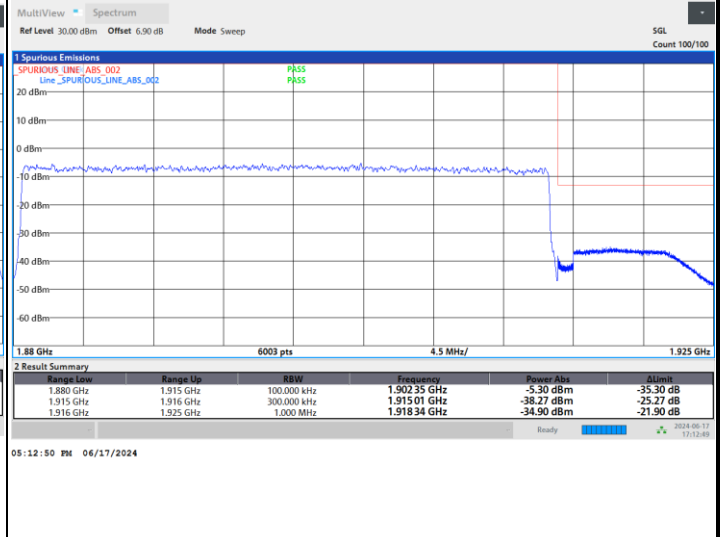
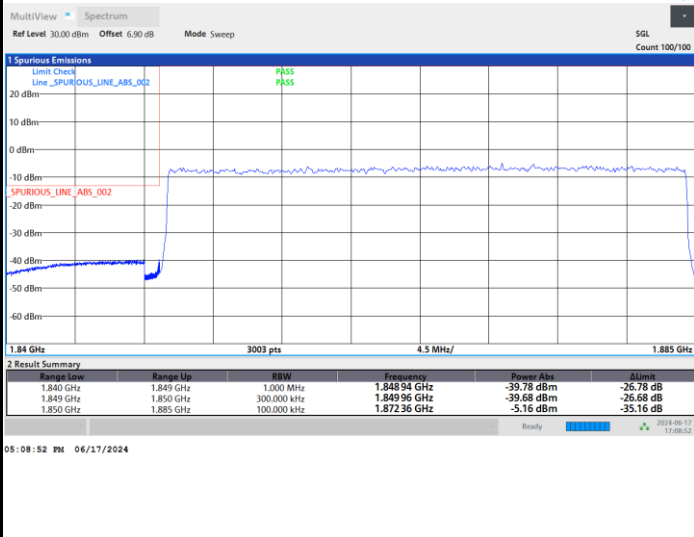
Highest Band Edge / Full RB



FR1 N25 / 35MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

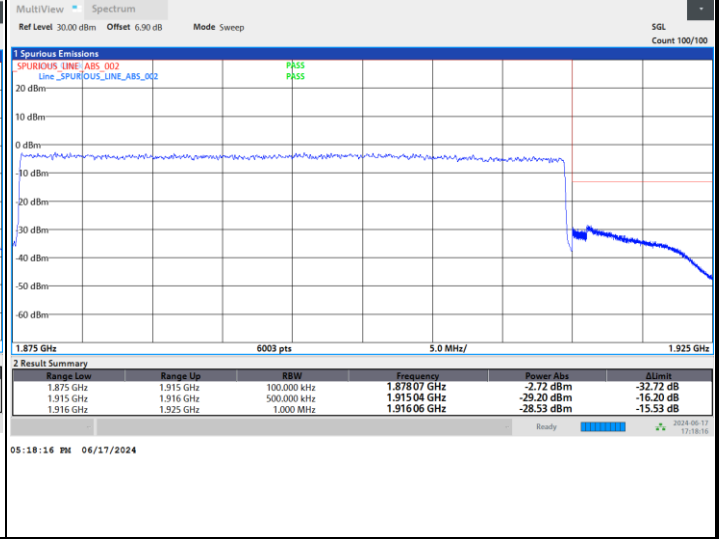
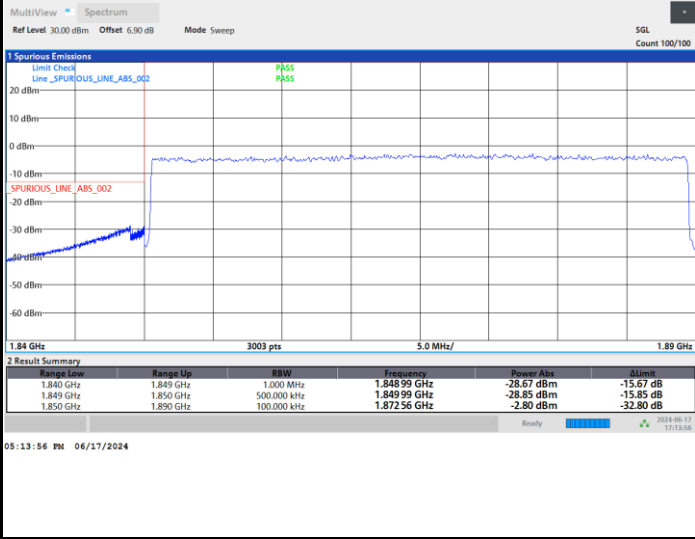




FR1 N25 / 40MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

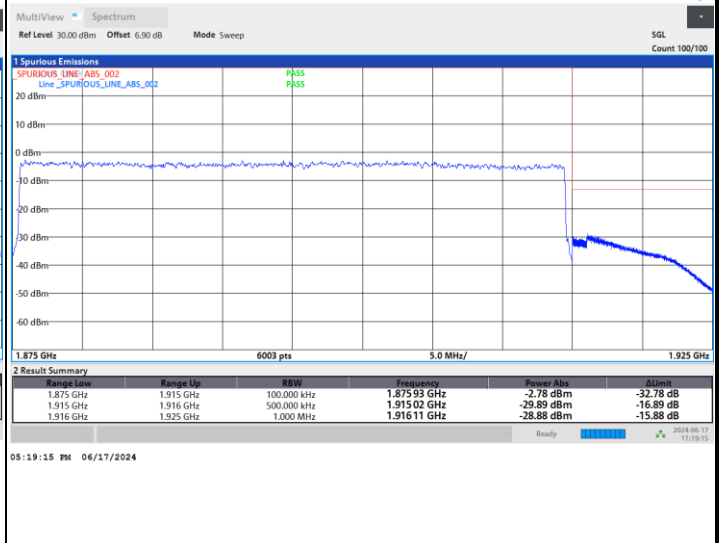
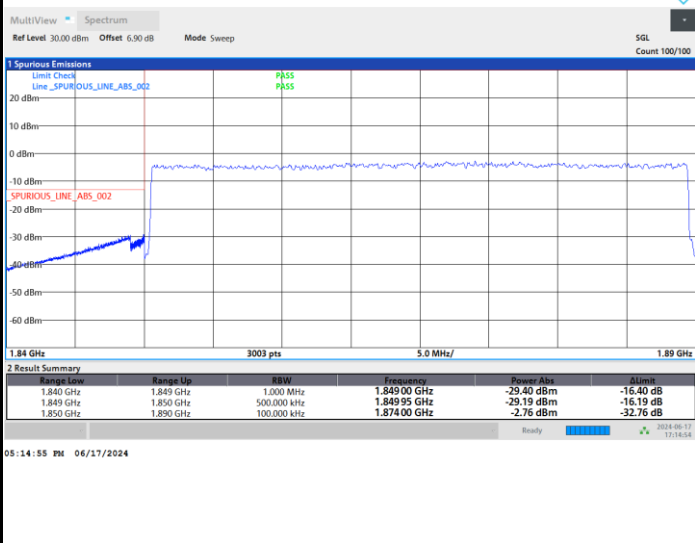
Highest Band Edge / Full RB



FR1 N25 / 40MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

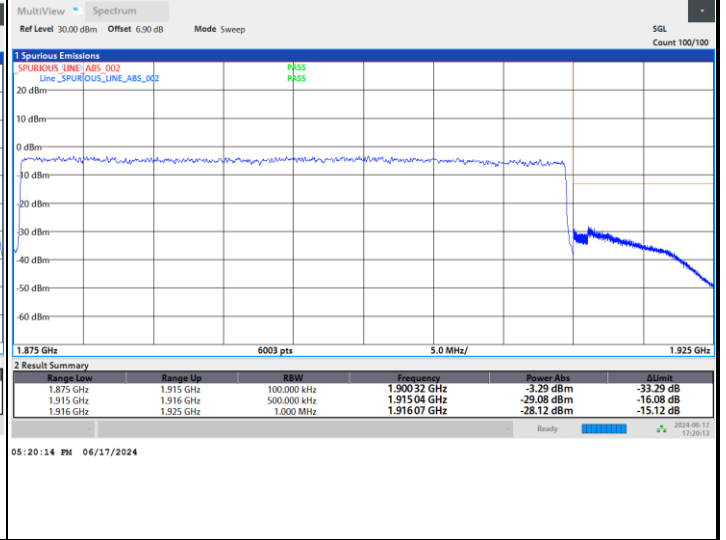
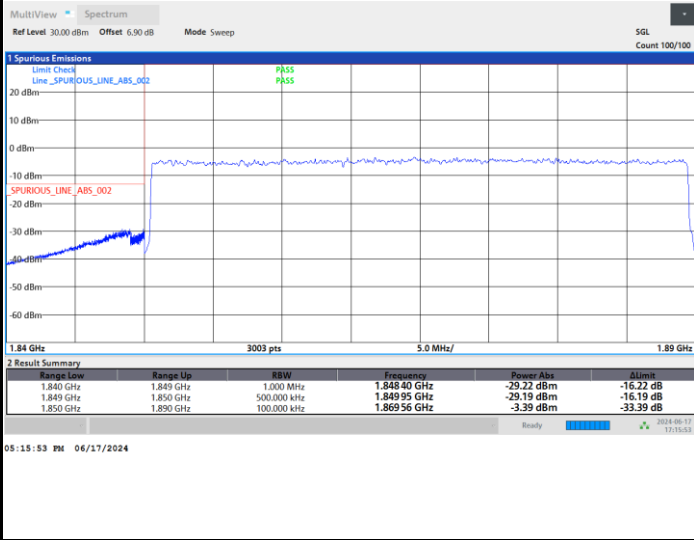




FR1 N25 / 40MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

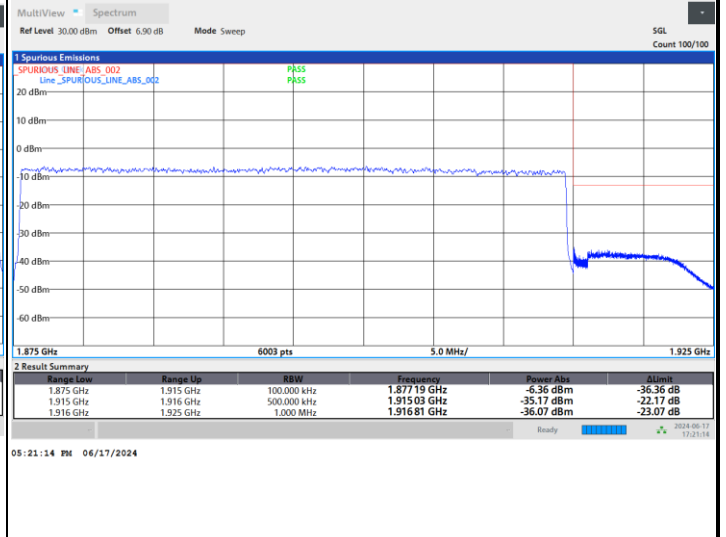
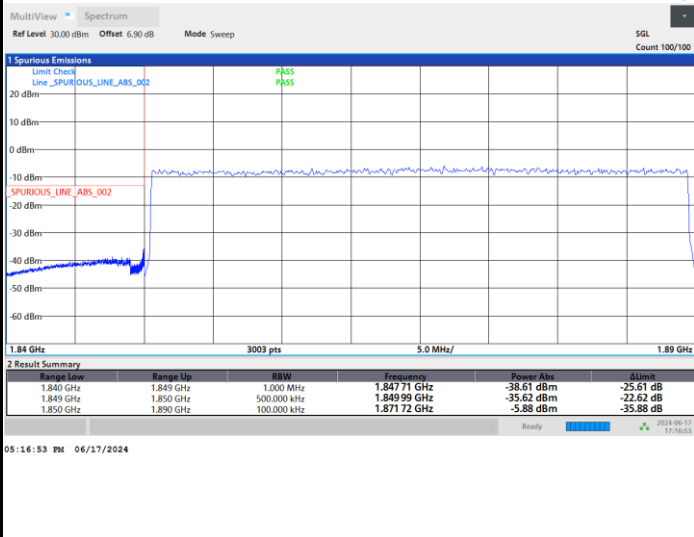
Highest Band Edge / Full RB



FR1 N25 / 40MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

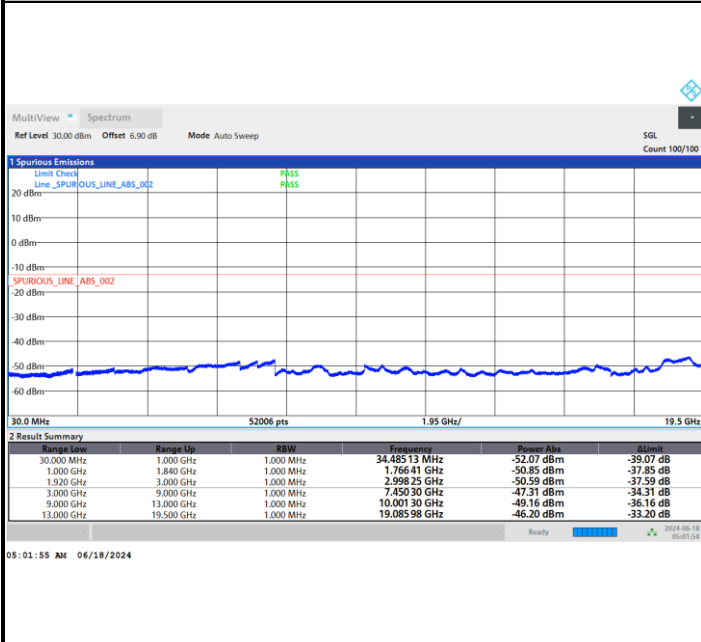




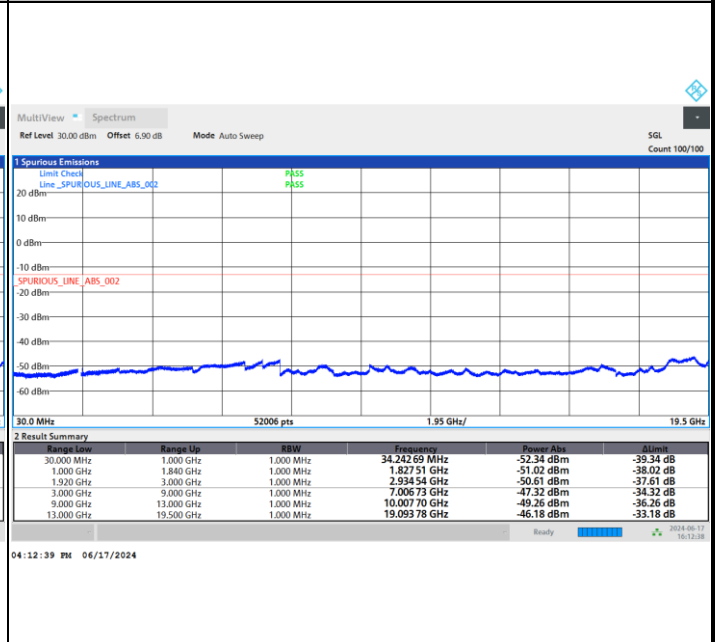
Conducted Spurious Emission

FR1 N25 / 5MHz / CP OFDM / QPSK / 1RB1

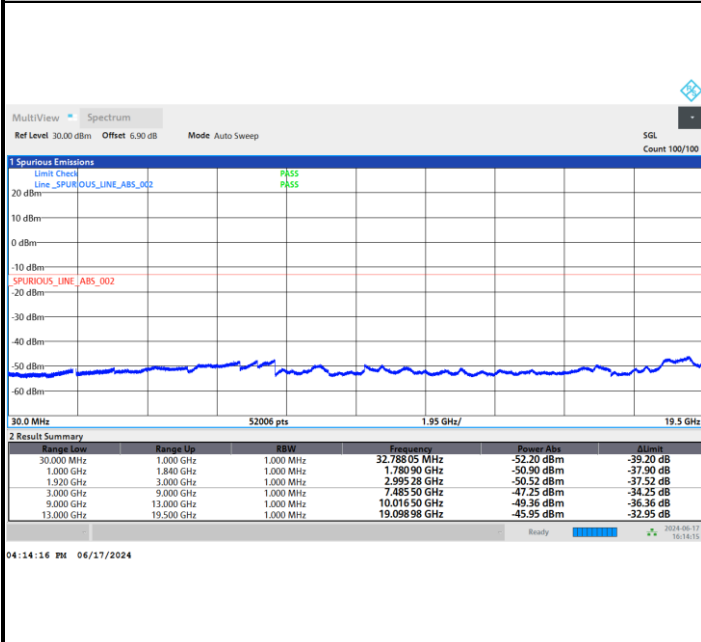
Lowest Channel



Middle Channel



Highest Channel





Frequency Stability

| Test Conditions | | FR1 N25 (QPSK) / Middle Channel | Limit |
|---------------------|-------------------|---------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 20MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0003 | PASS |
| 40 | Normal Voltage | 0.0013 | |
| 30 | Normal Voltage | 0.0027 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0025 | |
| 0 | Normal Voltage | 0.0002 | |
| -10 | Normal Voltage | 0.0037 | |
| -20 | Normal Voltage | 0.0006 | |
| -30 | Normal Voltage | 0.0002 | |
| 20 | Maximum Voltage | 0.0006 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0035 | |

Note:

1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3 V. ; Maximum Voltage = 3.65 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Frequency Stability

| Test Conditions | | FR1 N25 (QPSK) / Middle Channel | Limit |
|---------------------|-------------------|---------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0038 | PASS |
| 40 | Normal Voltage | 0.0044 | |
| 30 | Normal Voltage | 0.0047 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0042 | |
| 0 | Normal Voltage | 0.0049 | |
| -10 | Normal Voltage | 0.0050 | |
| -20 | Normal Voltage | 0.0053 | |
| -30 | Normal Voltage | 0.0049 | |
| 20 | Maximum Voltage | 0.0052 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0049 | |

Note:

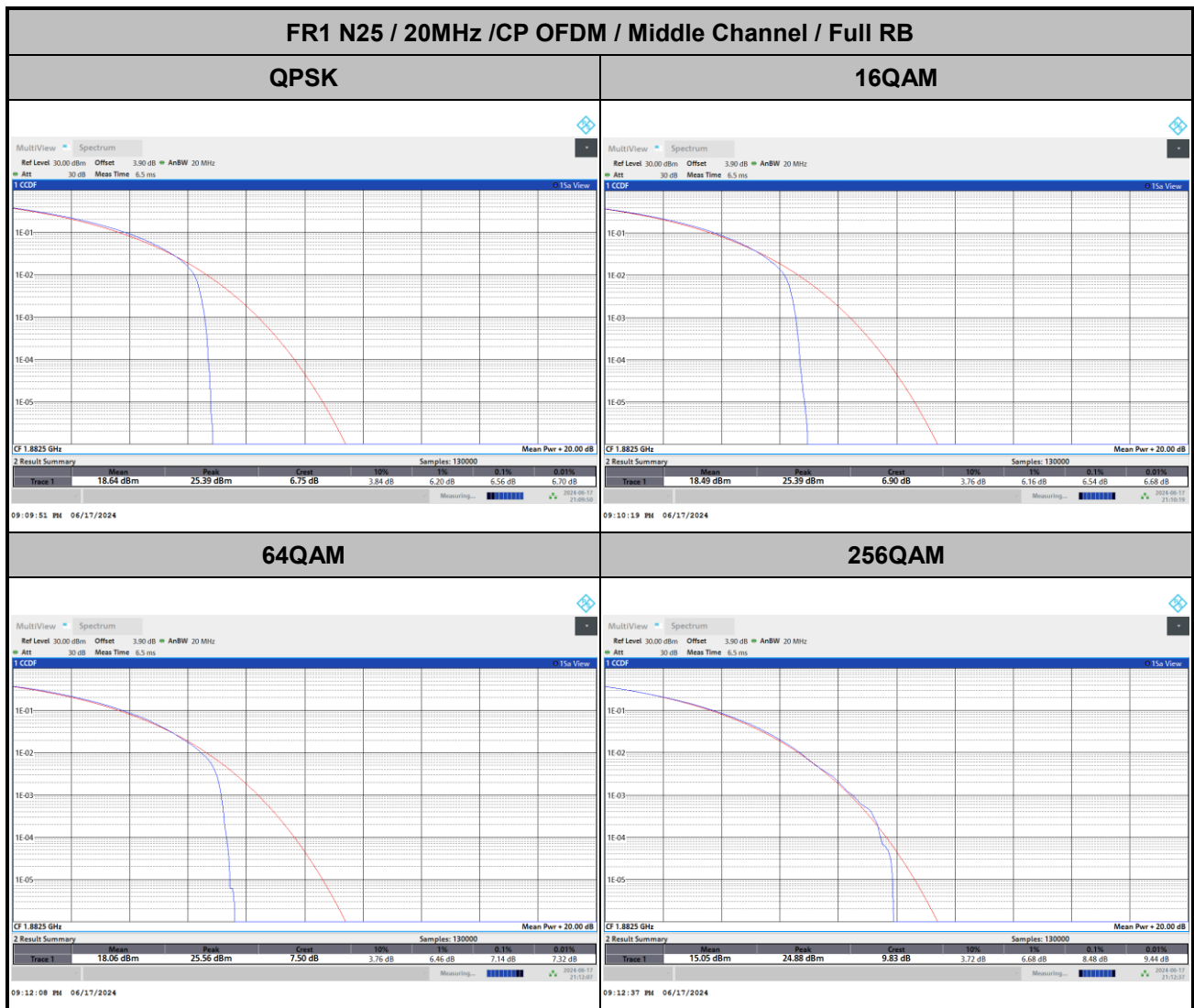
1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3 V. ; Maximum Voltage = 3.65 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



MIMO <Ant. 2>

Peak-to-Average Ratio

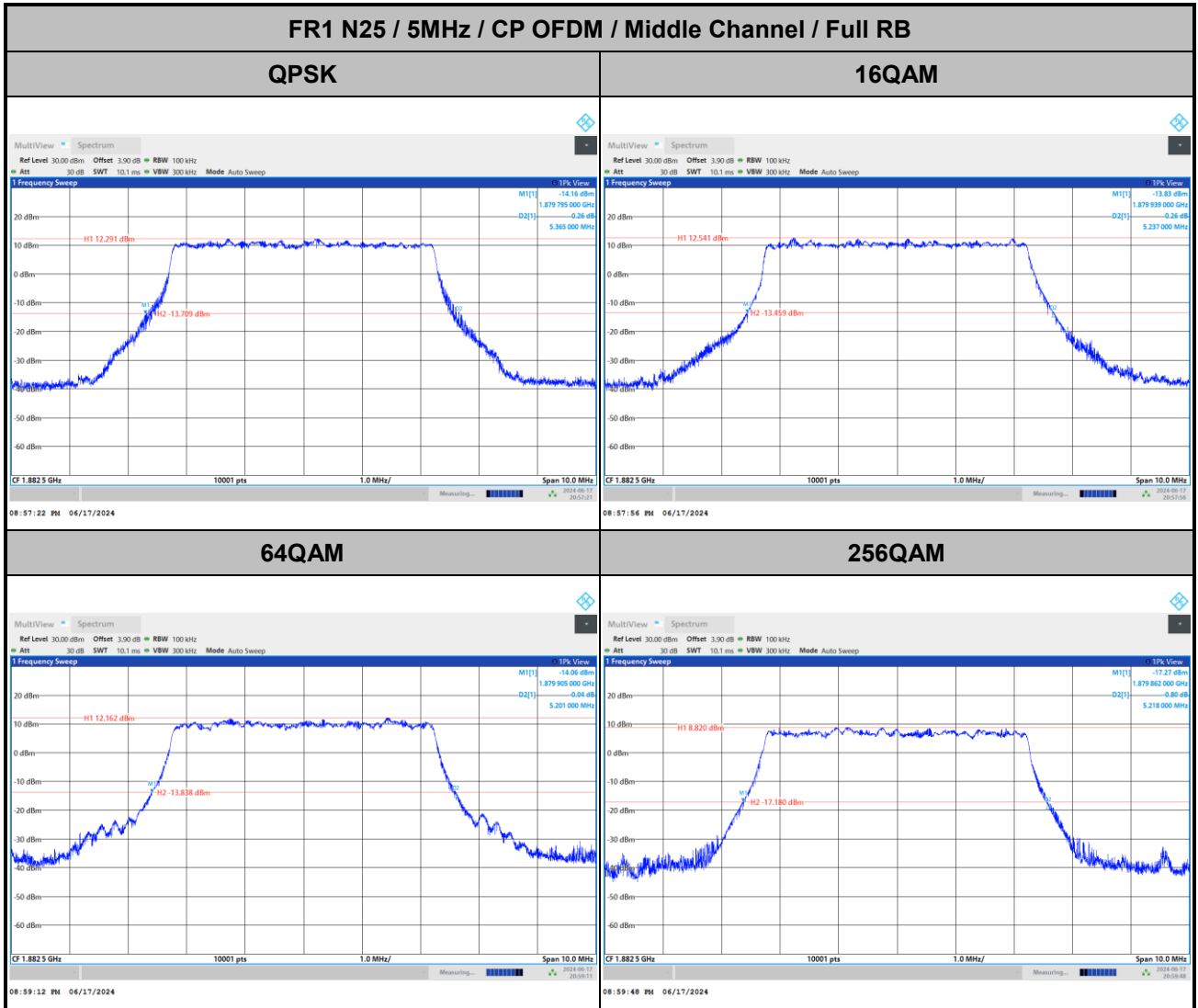
| Mode | FR1 N25 / 20MHz / CP OFDM | | | | |
|-----------|---------------------------|---------|---------|---------|-------------|
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | Limit: 13dB |
| RB Size | Full RB | Full RB | Full RB | Full RB | Result |
| Middle CH | 6.56 | 6.54 | 7.14 | 8.48 | PASS |





26dB Bandwidth

| Mode | FR1 N25 : 26dB BW(MHz) / CP OFDM | | | | | | | |
|-----------|----------------------------------|--------|-------|--------|-------|--------|-------|--------|
| BW | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 5.36 | 5.24 | 10.22 | 10.26 | 15.35 | 15.20 | 20.42 | 20.52 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 5.20 | 5.22 | 10.26 | 10.26 | 15.25 | 15.19 | 20.40 | 20.44 |
| BW | 25MHz | | 30MHz | | 35MHz | | 40MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 25.30 | 25.21 | 31.09 | 31.71 | 36.11 | 36.11 | 41.10 | 41.15 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 25.31 | 25.32 | 31.05 | 30.98 | 37.97 | 36.01 | 41.21 | 41.06 |

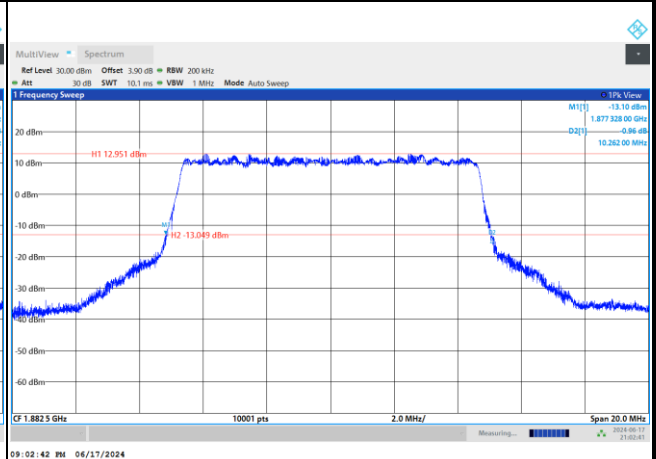
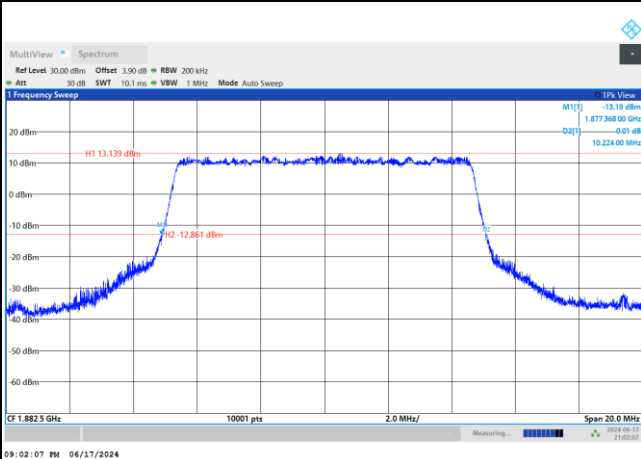




FR1 N25 / 10MHz / CP OFDM / Middle Channel / Full RB

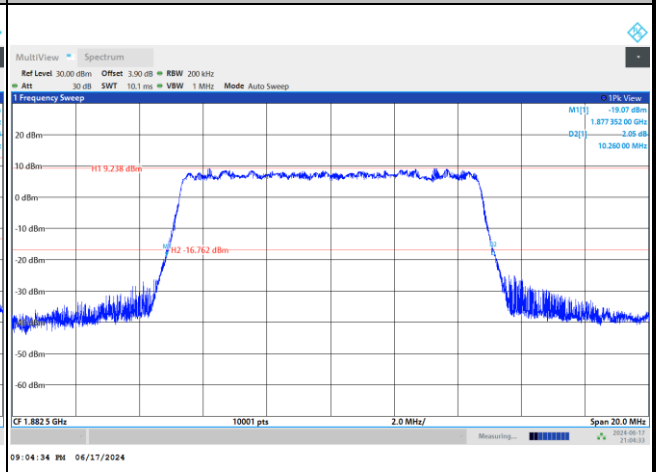
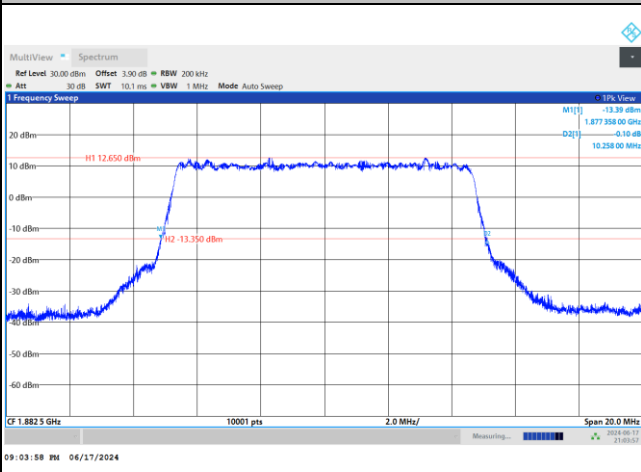
QPSK

16QAM



64QAM

256QAM

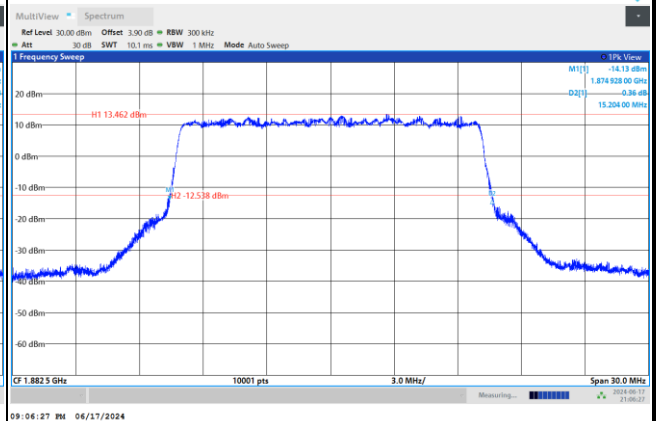
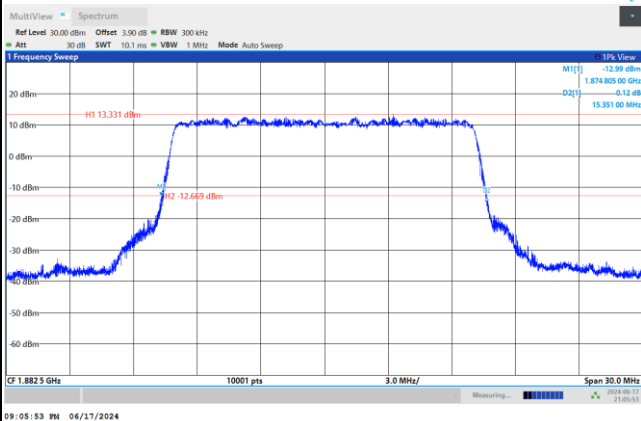




FR1 N25 / 15MHz / CP OFDM / Middle Channel / Full RB

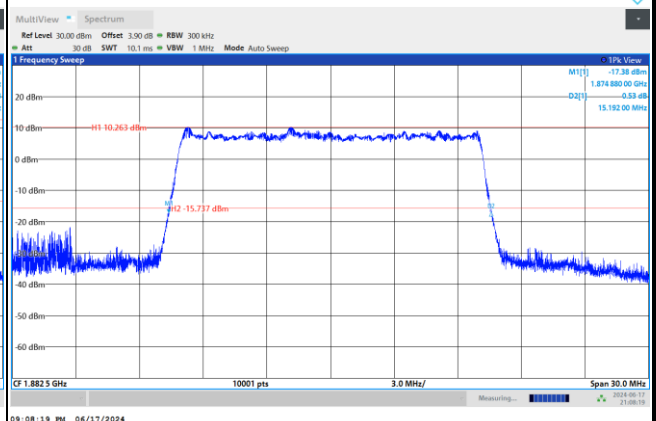
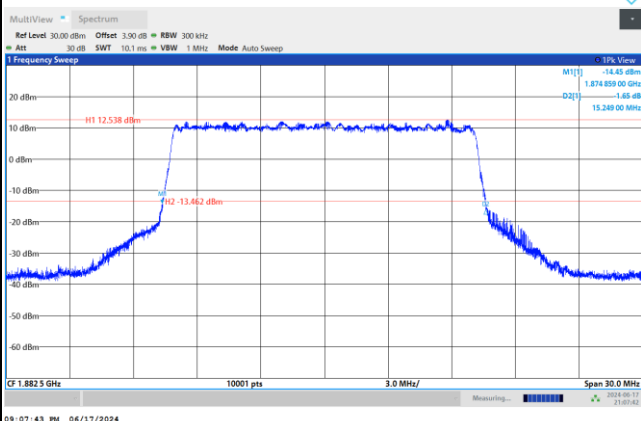
QPSK

16QAM



64QAM

256QAM

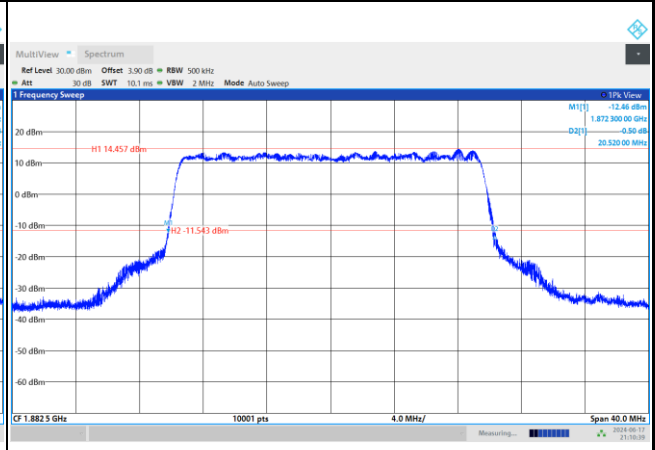
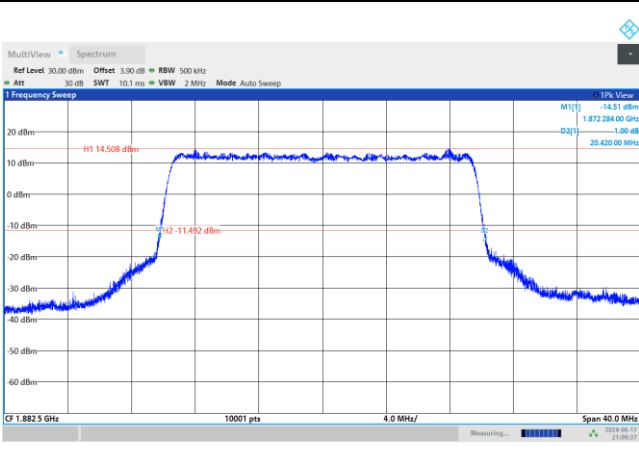




FR1 N25 / 20MHz / CP OFDM / Middle Channel / Full RB

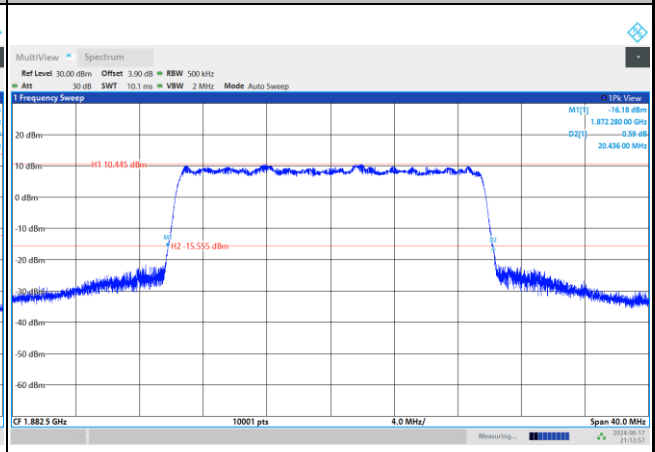
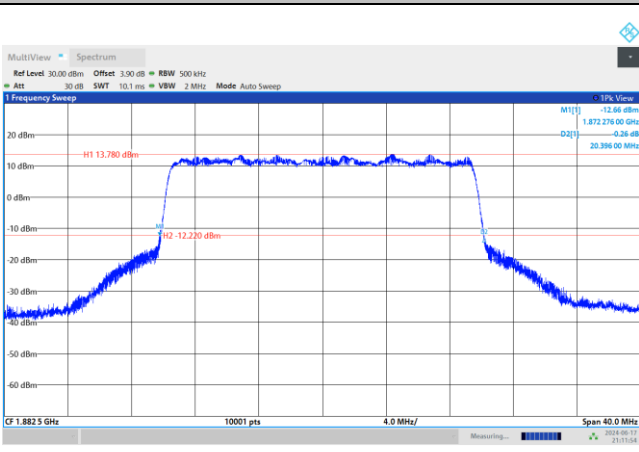
QPSK

16QAM



64QAM

256QAM

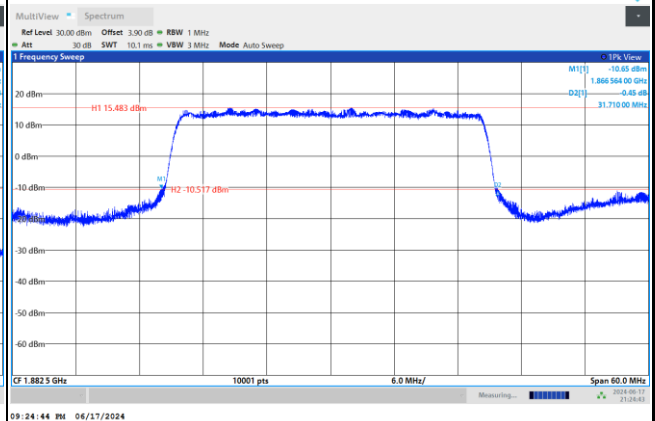
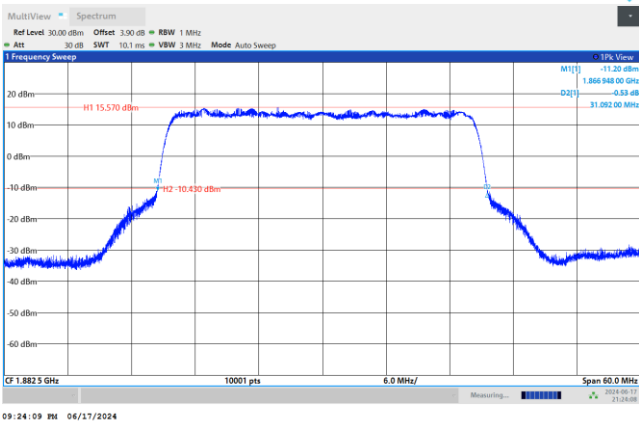




FR1 N25 / 30MHz / CP OFDM / Middle Channel / Full RB

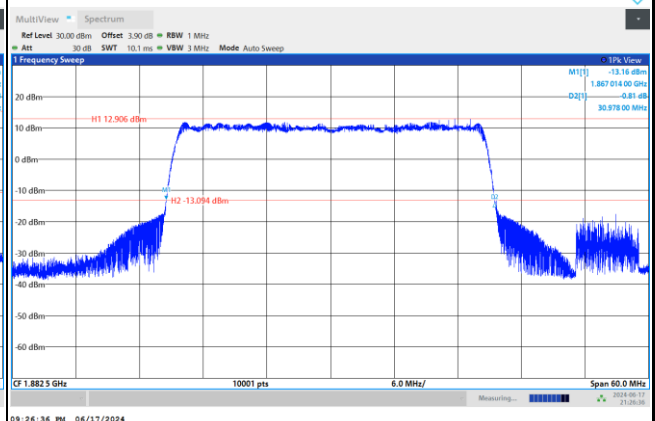
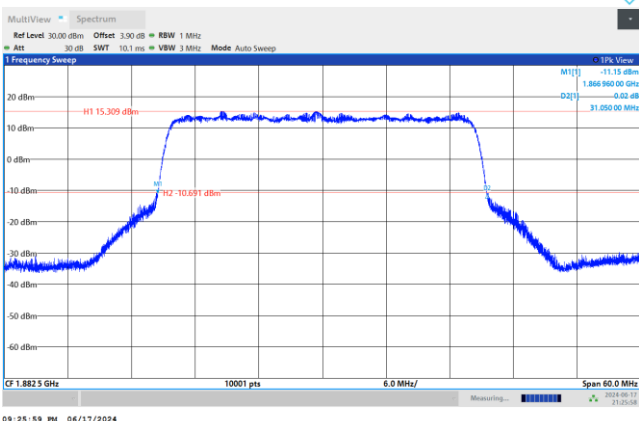
QPSK

16QAM



64QAM

256QAM

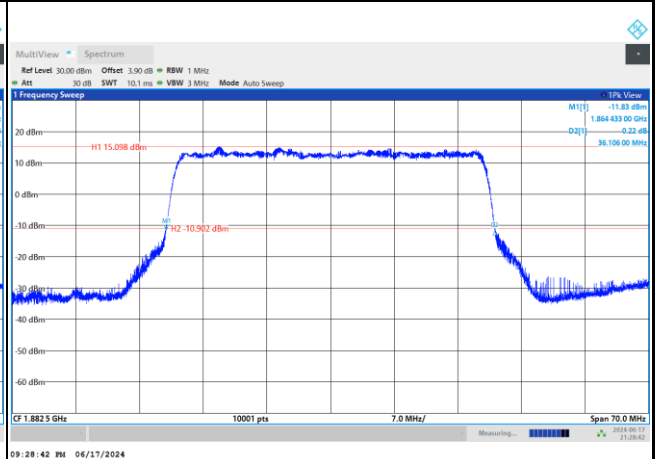
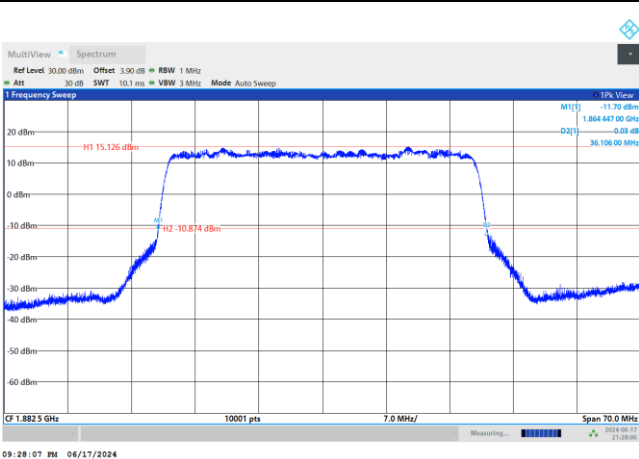




FR1 N25 / 35MHz / CP OFDM / Middle Channel / Full RB

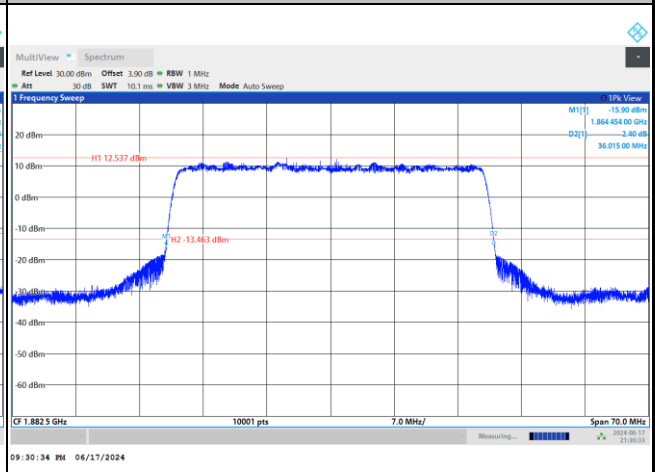
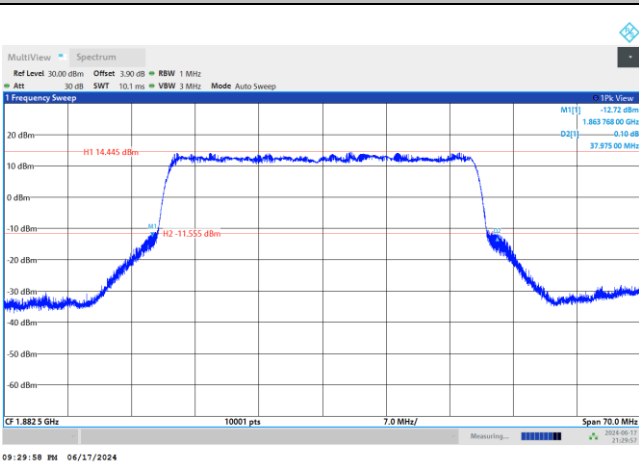
QPSK

16QAM



64QAM

256QAM

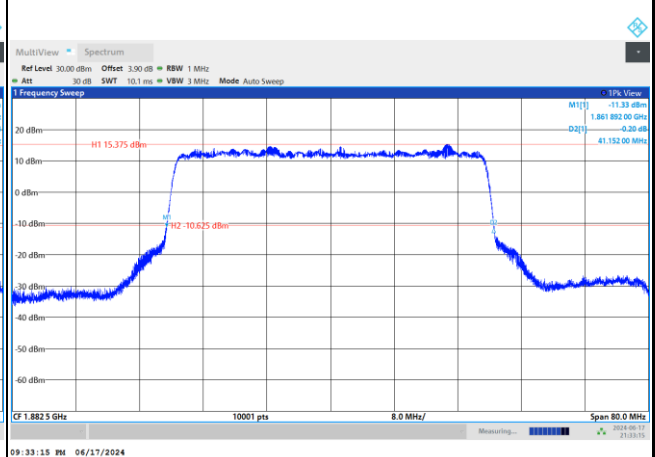
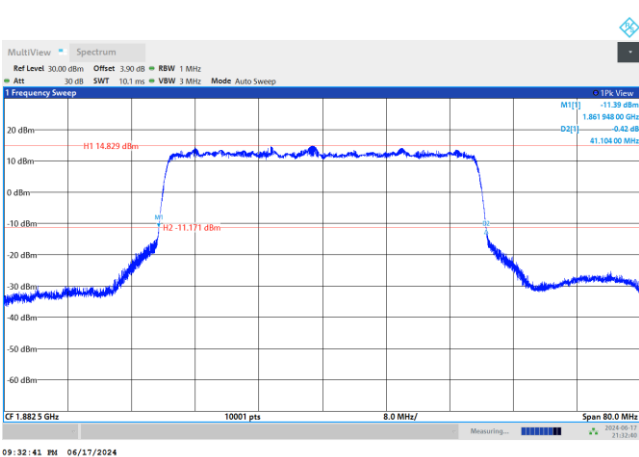




FR1 N25 / 40MHz / CP OFDM / Middle Channel / Full RB

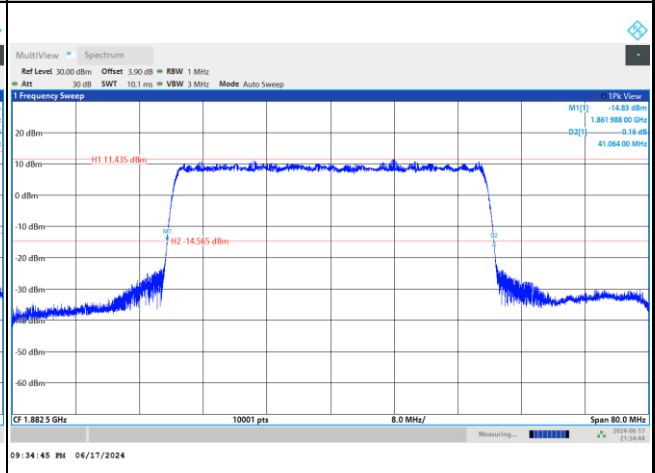
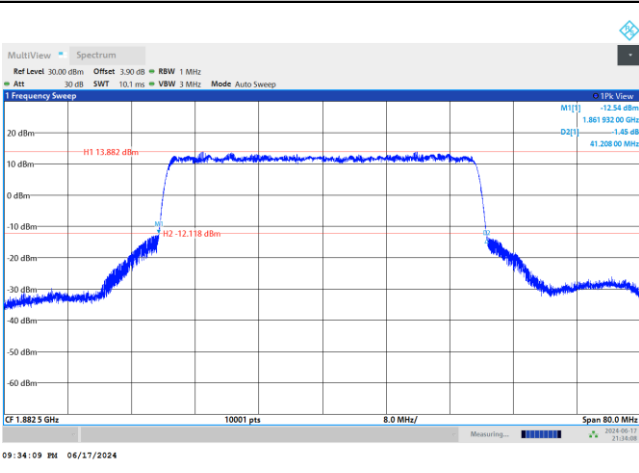
QPSK

16QAM



64QAM

256QAM





Occupied Bandwidth

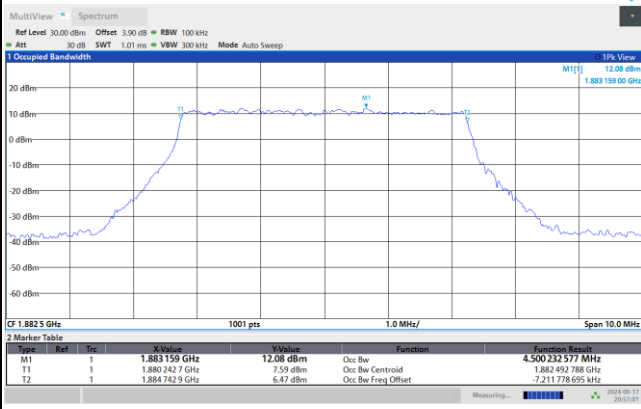
| Mode | FR1 N25 : OB BW(MHz) / CP OFDM | | | | | | | |
|-----------|--------------------------------|--------|-------|--------|-------|--------|-------|--------|
| BW | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 4.50 | 4.52 | 9.32 | 9.32 | 14.17 | 14.13 | 19.00 | 19.02 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 4.49 | 4.51 | 9.34 | 9.34 | 14.21 | 14.14 | 19.03 | 19.05 |
| BW | 25MHz | | 30MHz | | 35MHz | | 40MH | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 23.83 | 23.80 | 28.91 | 28.95 | 33.78 | 33.80 | 38.75 | 38.78 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 23.83 | 23.83 | 28.83 | 28.96 | 33.79 | 33.87 | 38.74 | 38.79 |



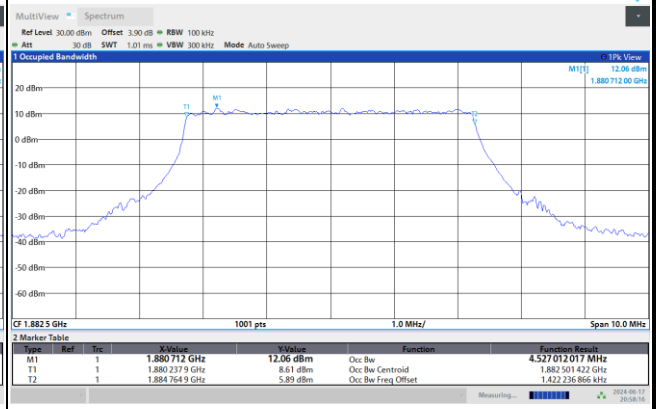
FR1 N25 / 5MHz / CP OFDM / Middle Channel / Full RB

QPSK

16QAM



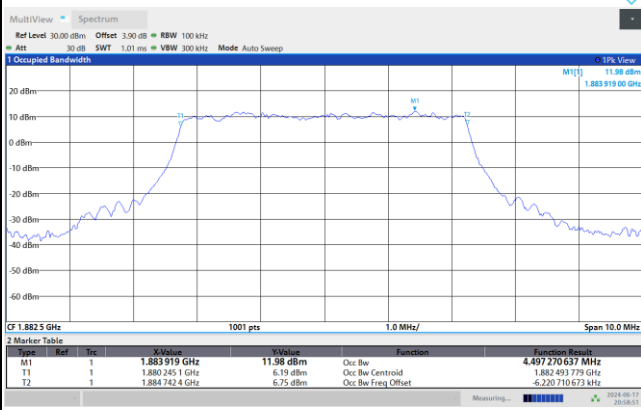
08:57:02 PM 06/17/2024



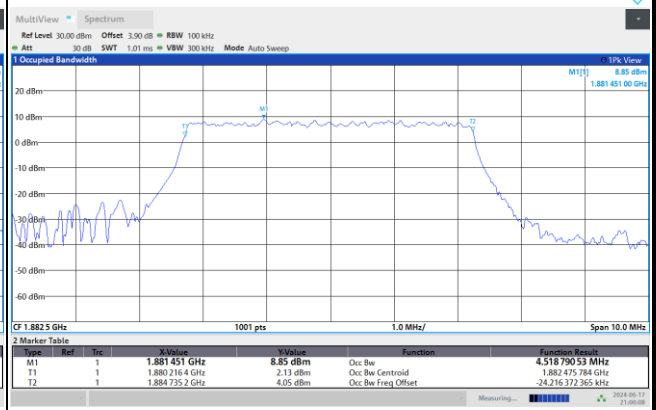
08:58:17 PM 06/17/2024

64QAM

256QAM



08:58:52 PM 06/17/2024



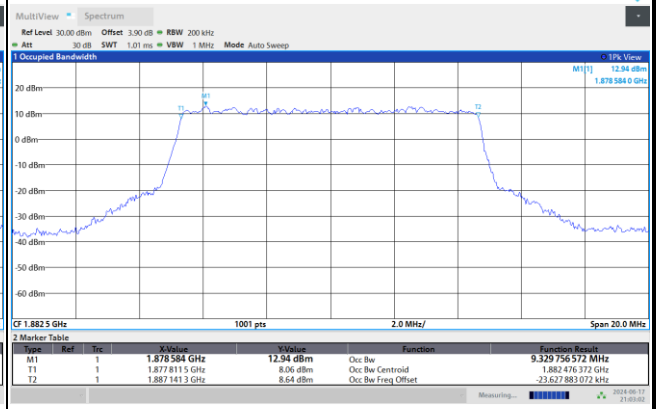
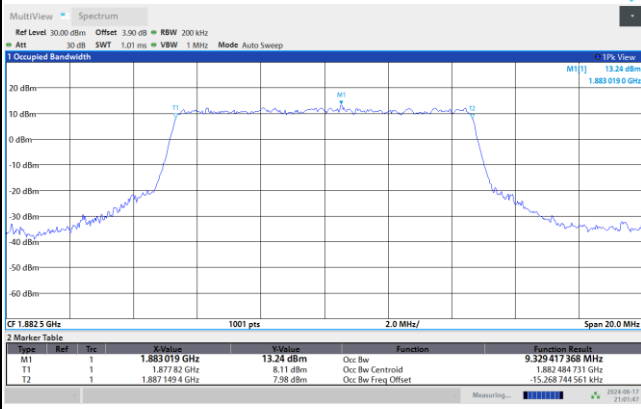
09:00:09 PM 06/17/2024



FR1 N25 / 10MHz / CP OFDM / Middle Channel / Full RB

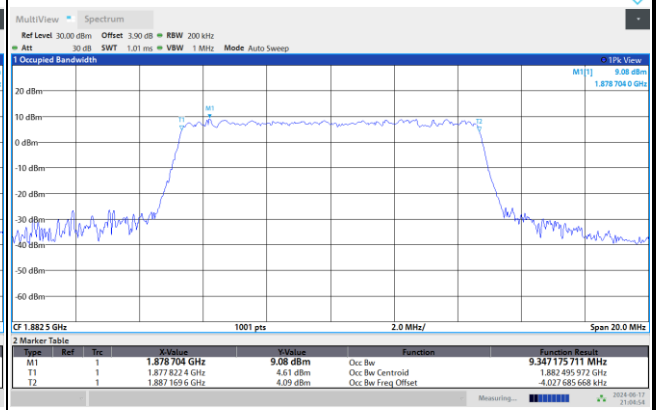
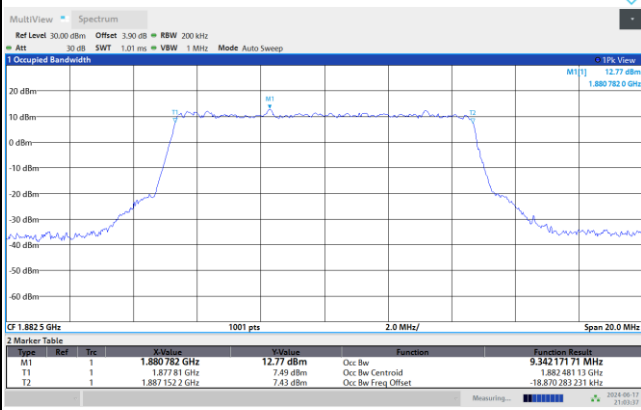
QPSK

16QAM



64QAM

256QAM

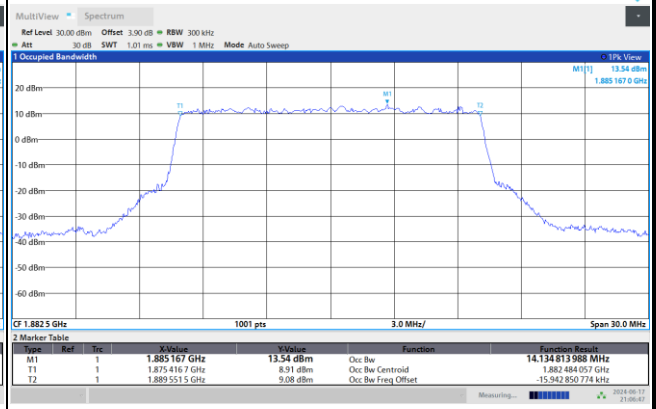
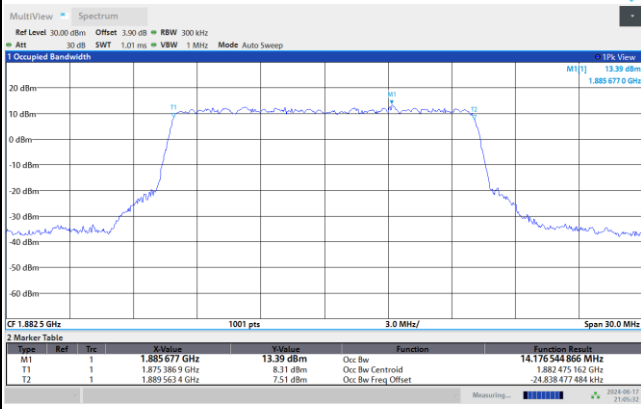




FR1 N25 / 15MHz / CP OFDM / Middle Channel / Full RB

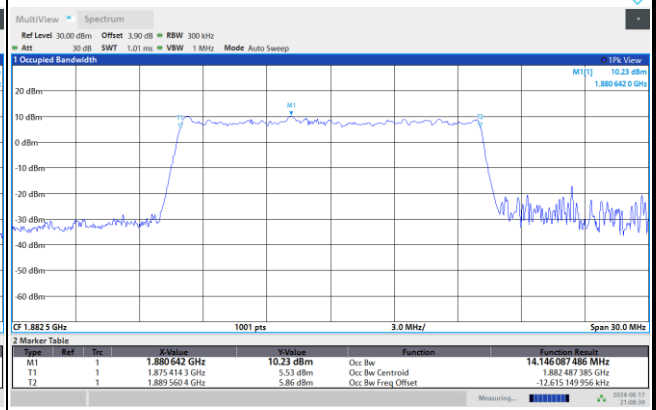
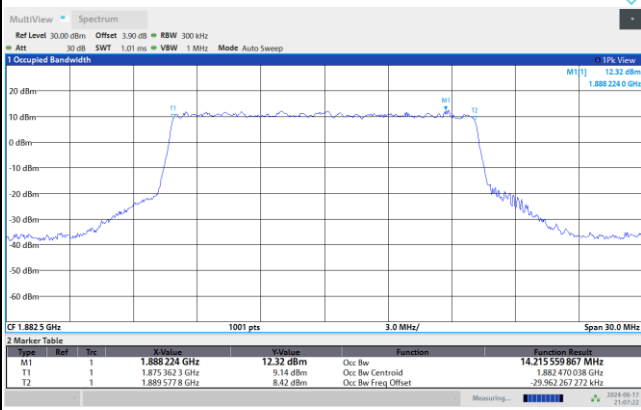
QPSK

16QAM



64QAM

256QAM

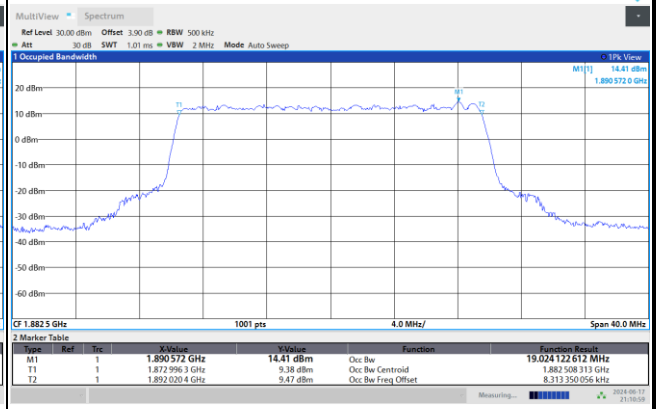
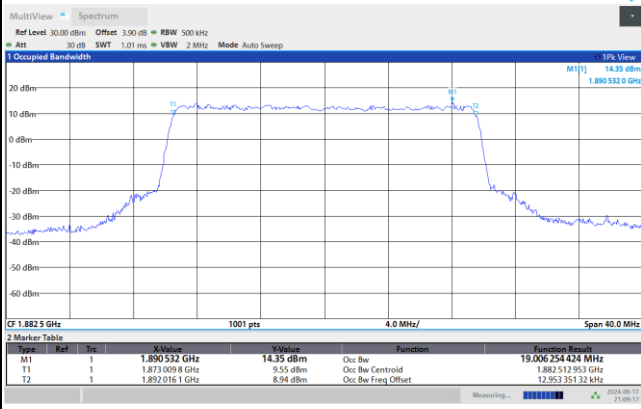




FR1 N25 / 20MHz / CP OFDM / Middle Channel / Full RB

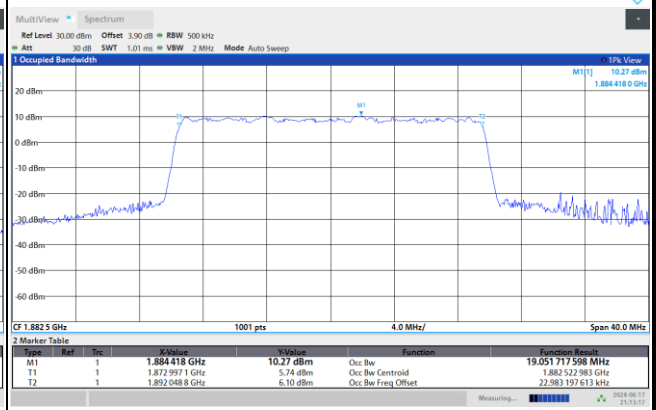
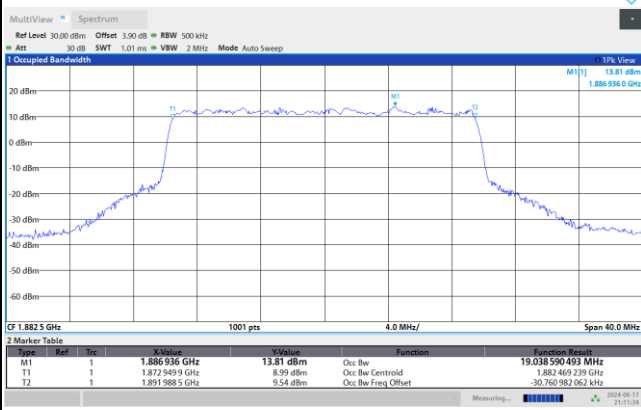
QPSK

16QAM



64QAM

256QAM

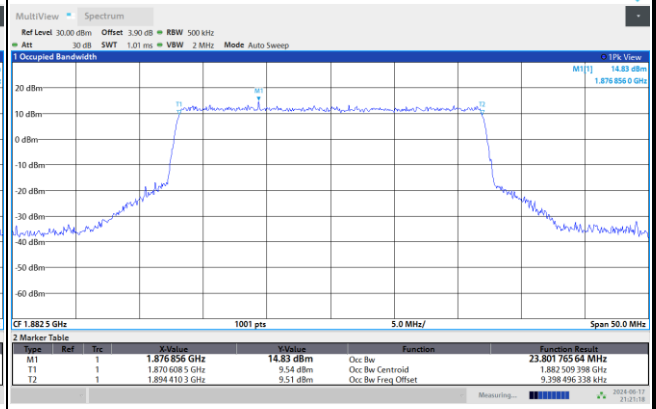
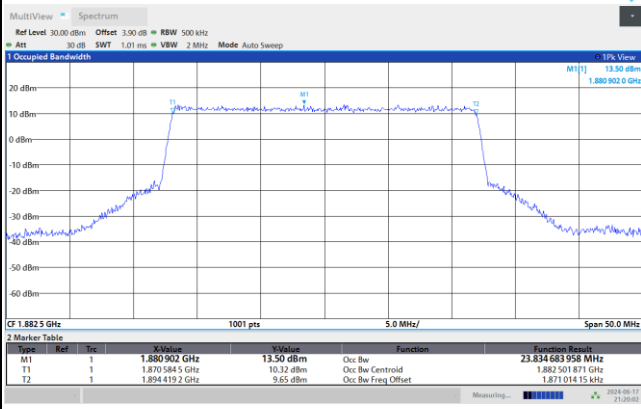




FR1 N25 / 25MHz / CP OFDM / Middle Channel / Full RB

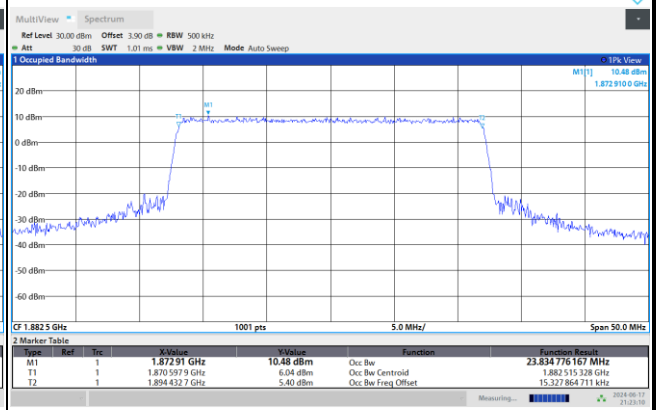
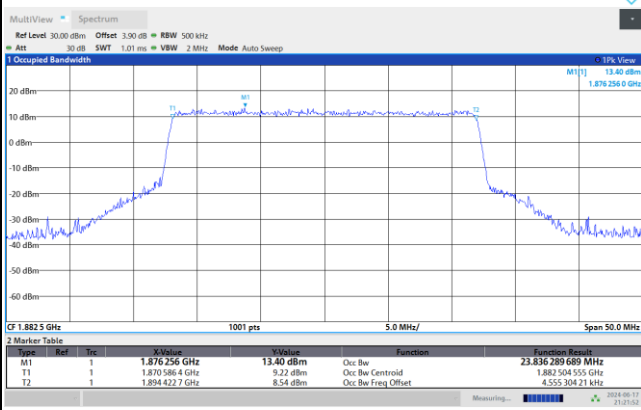
QPSK

16QAM



64QAM

256QAM

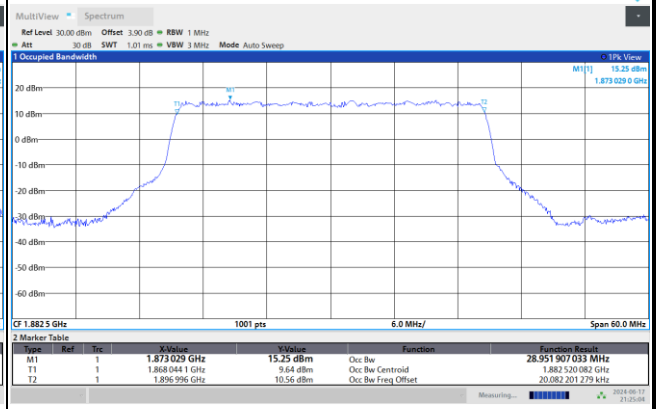
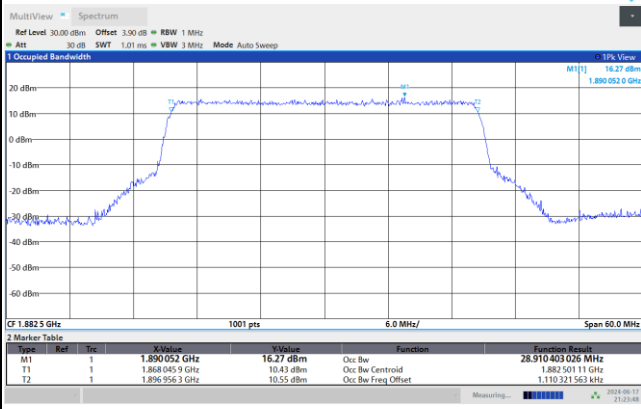




FR1 N25 / 30MHz / CP OFDM / Middle Channel / Full RB

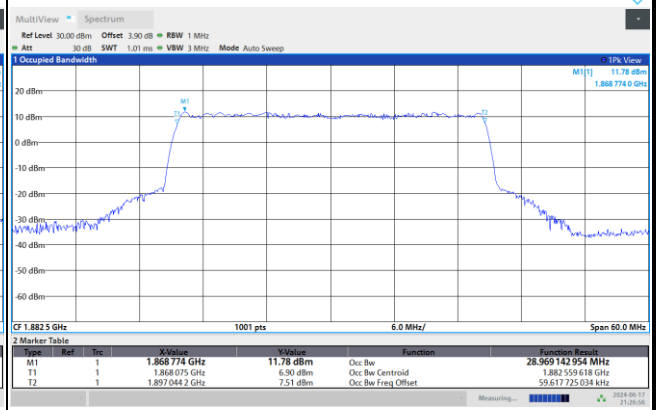
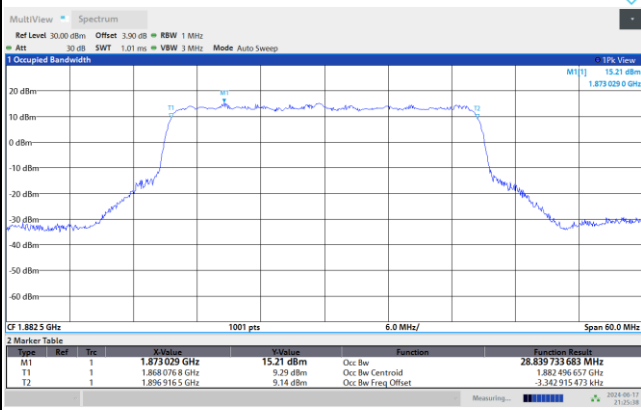
QPSK

16QAM



64QAM

256QAM

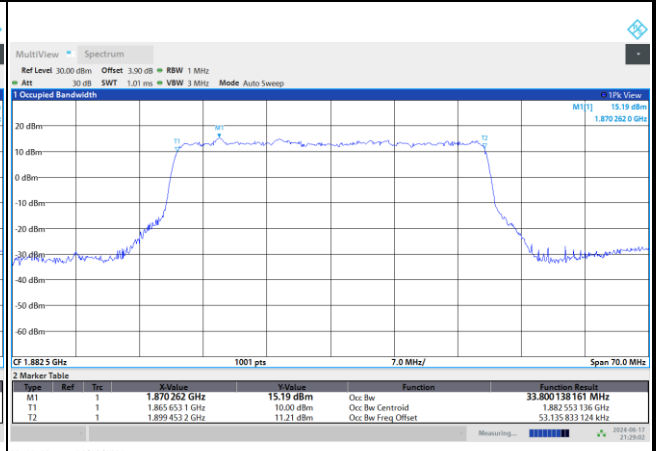
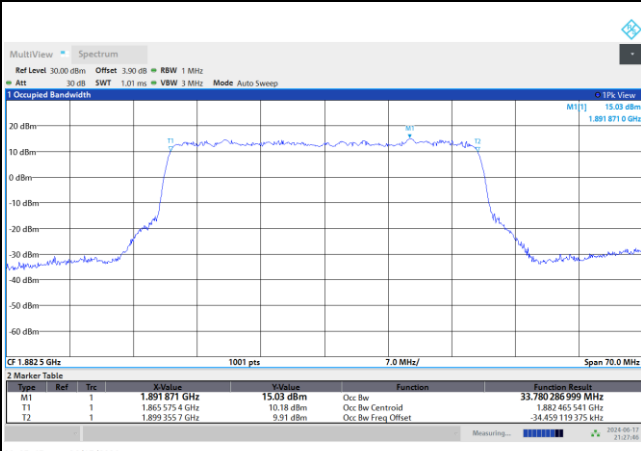




FR1 N25 / 35MHz / CP OFDM / Middle Channel / Full RB

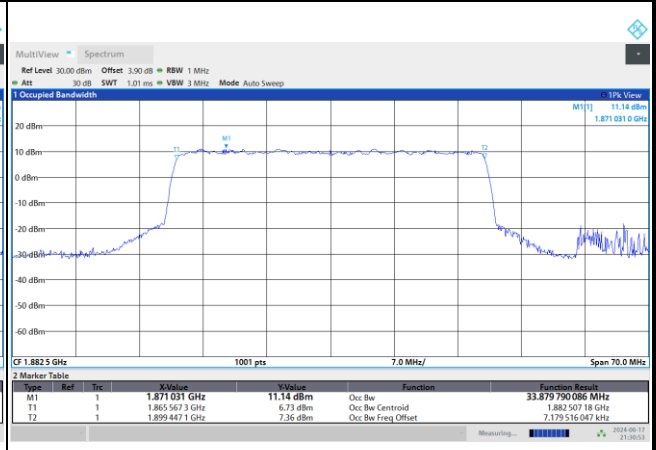
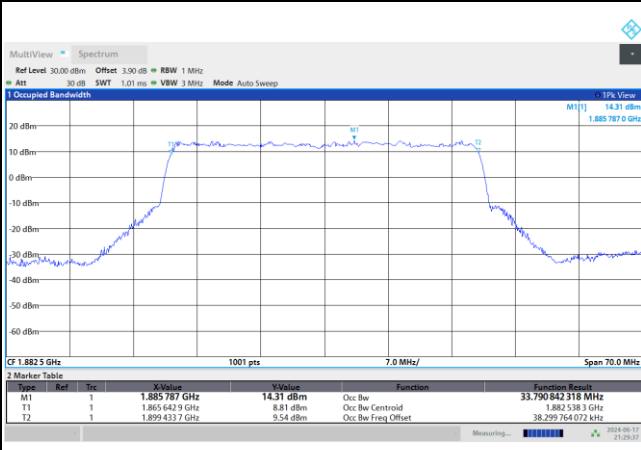
QPSK

16QAM



64QAM

256QAM

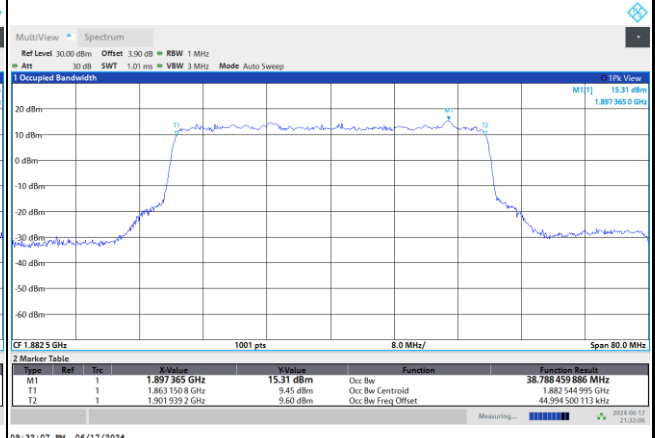
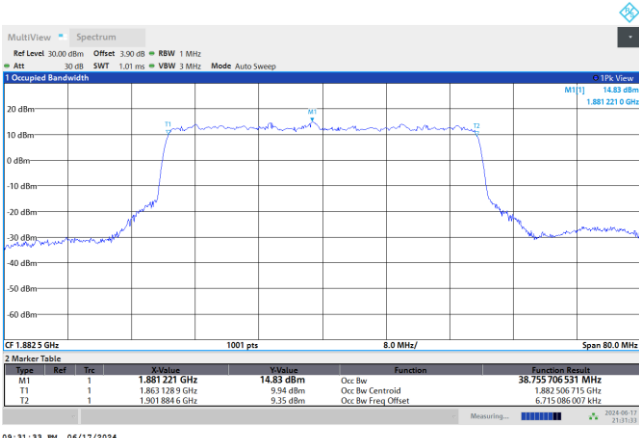




FR1 N25 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK

16QAM

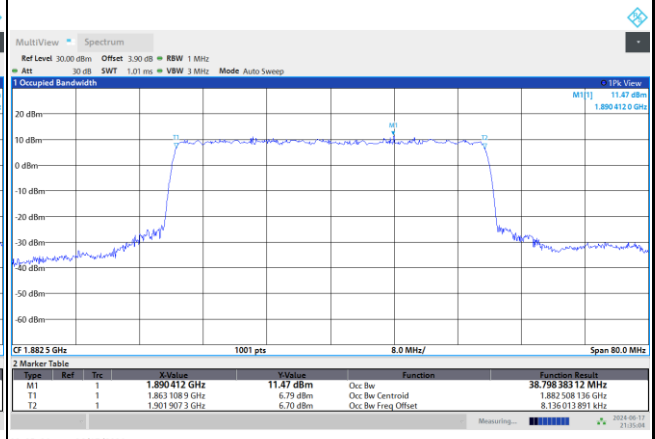
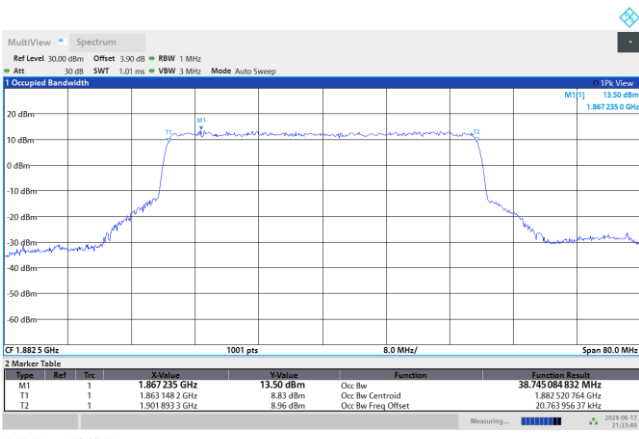


09:31:33 PM 06/17/2024

09:32:07 PM 06/17/2024

64QAM

256QAM



09:33:49 PM 06/17/2024

09:35:04 PM 06/17/2024

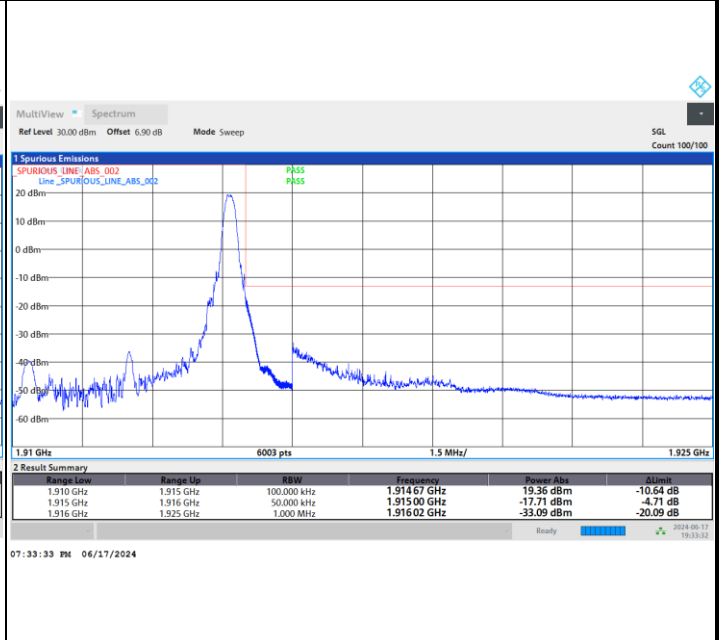
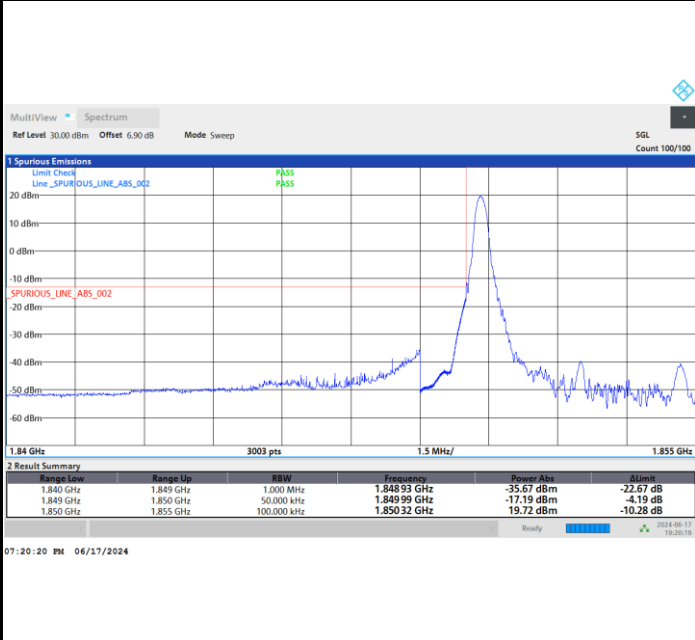


Conducted Band Edge

FR1 N25 / 5MHz / CP OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

