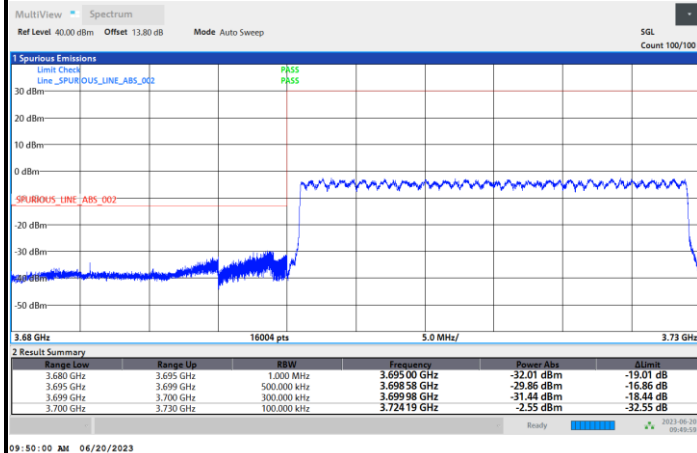


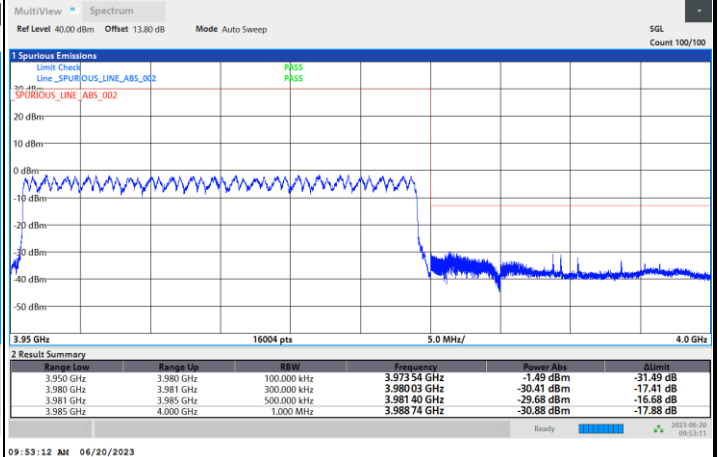


## FR1 n77 / 30MHz / CP OFDM / 64QAM

## Lowest Band Edge / Full RB

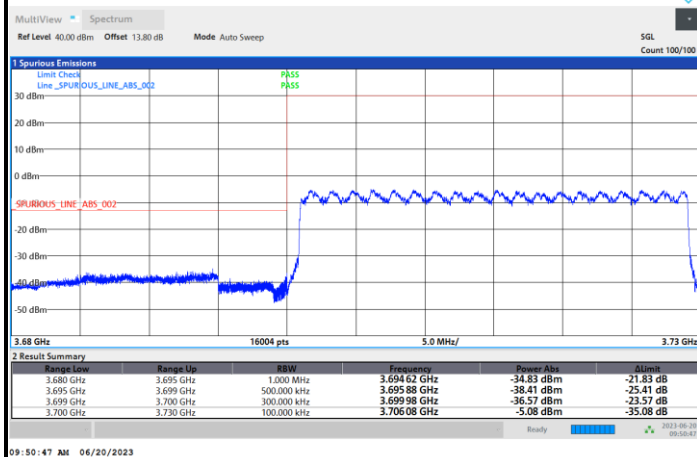


## Highest Band Edge / Full RB

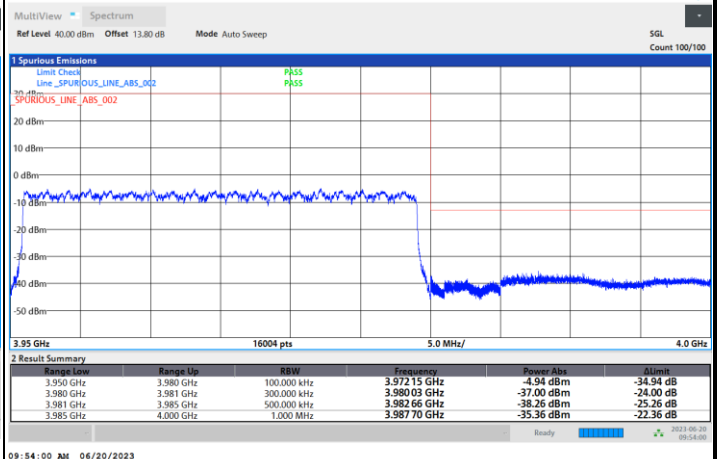


## FR1 n77 / 30MHz / CP OFDM / 256QAM

## Lowest Band Edge / Full RB



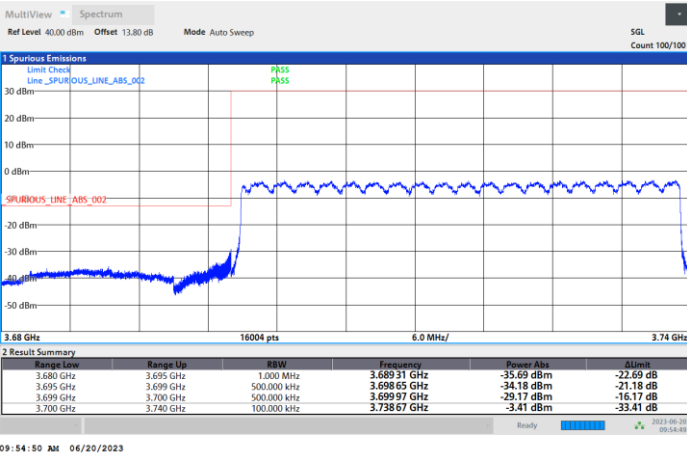
## Highest Band Edge / Full RB



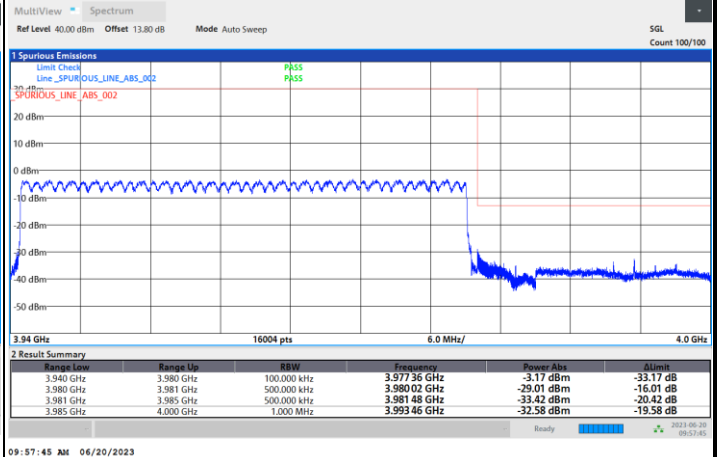


## FR1 n77 / 40MHz / CP OFDM / QPSK

## Lowest Band Edge / Full RB

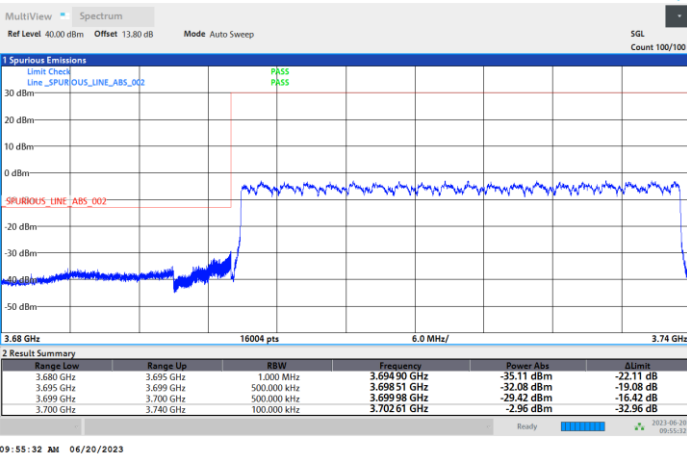


## Highest Band Edge / Full RB

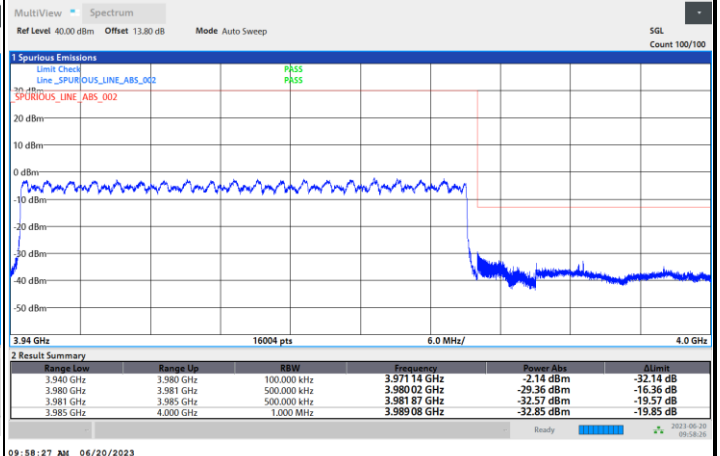


## FR1 n77 / 40MHz / CP OFDM / 16QAM

## Lowest Band Edge / Full RB



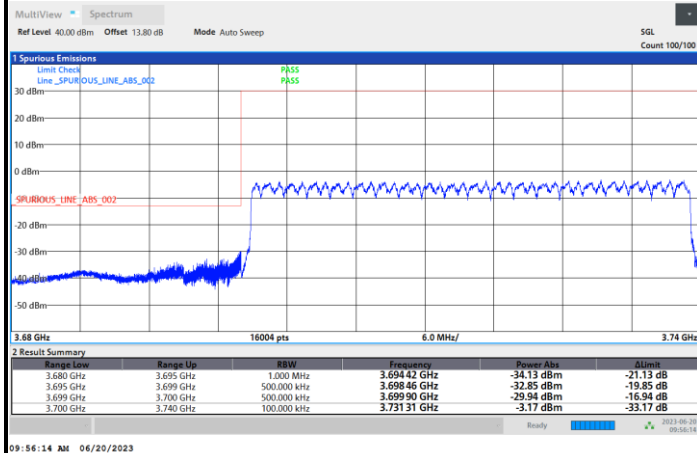
## Highest Band Edge / Full RB



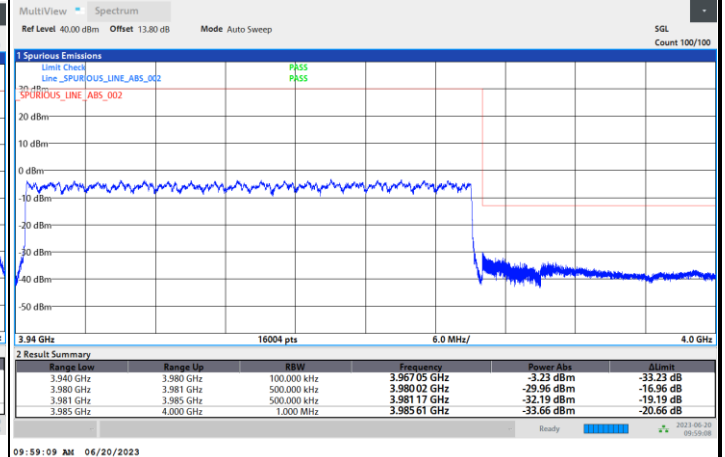


## FR1 n77 / 40MHz / CP OFDM / 64QAM

## Lowest Band Edge / Full RB

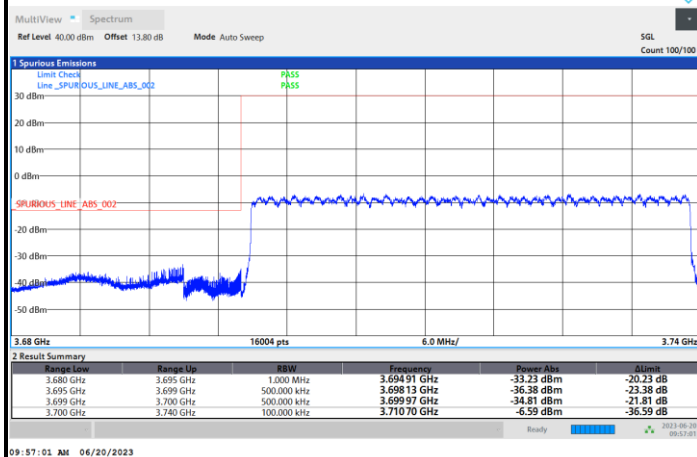


## Highest Band Edge / Full RB

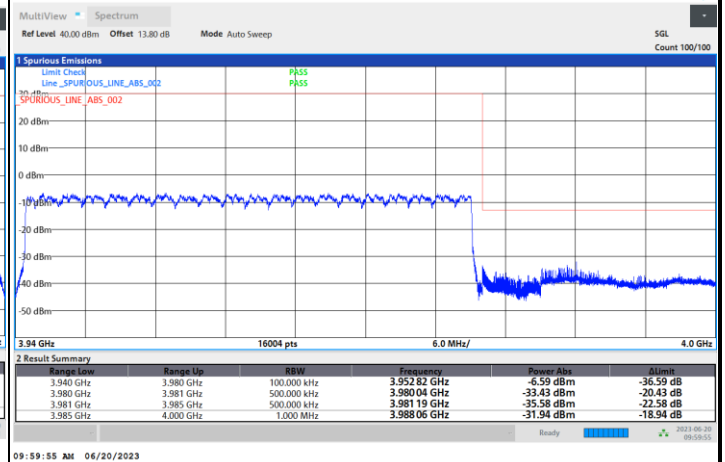


## FR1 n77 / 40MHz / CP OFDM / 256QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

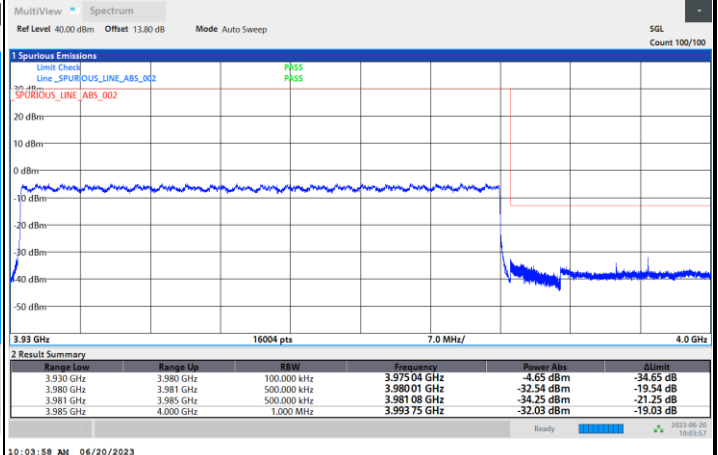
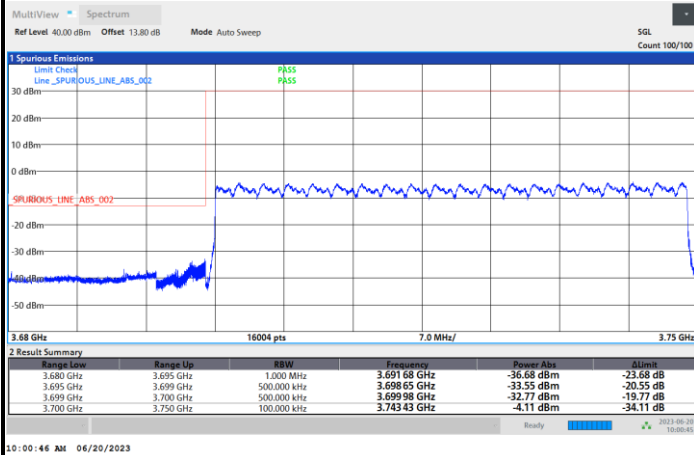




## FR1 n77 / 50MHz / CP OFDM / QPSK

## Lowest Band Edge / Full RB

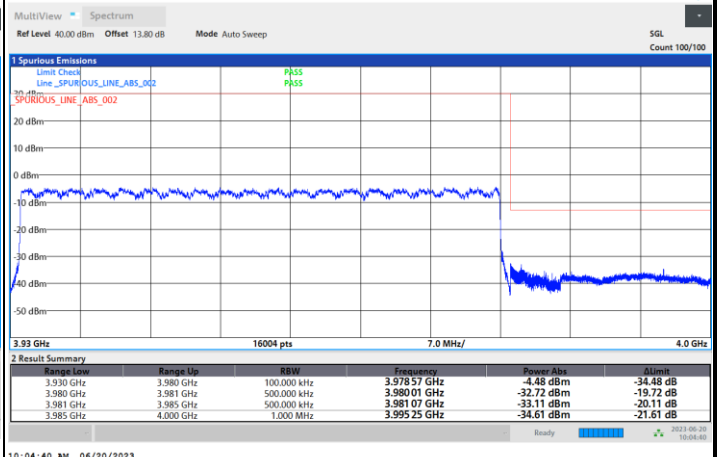
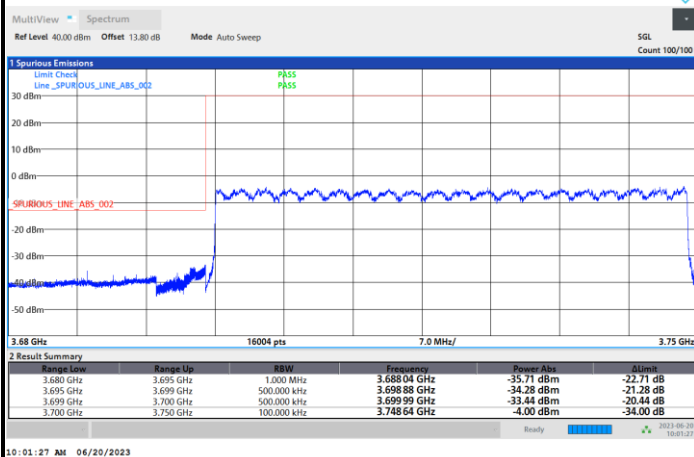
## Highest Band Edge / Full RB



## FR1 n77 / 50MHz / CP OFDM / 16QAM

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

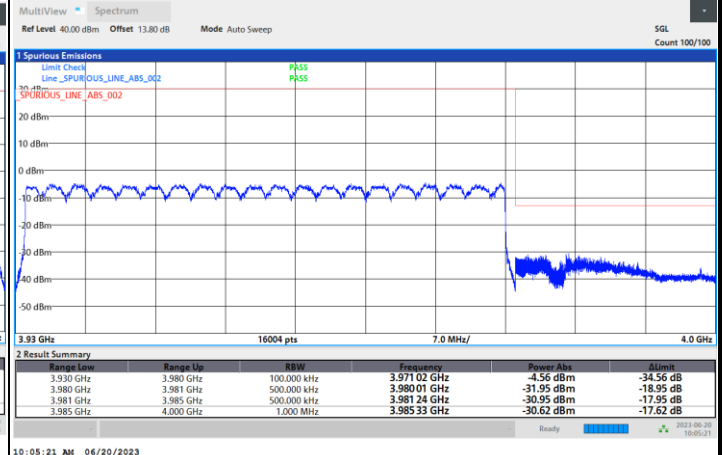
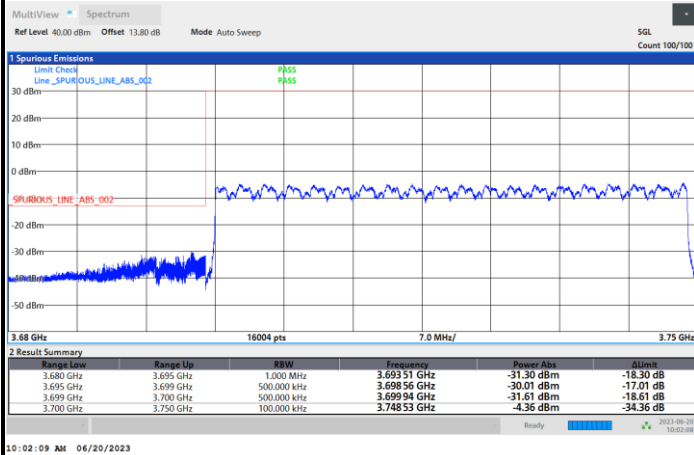




## FR1 n77 / 50MHz / CP OFDM / 64QAM

## Lowest Band Edge / Full RB

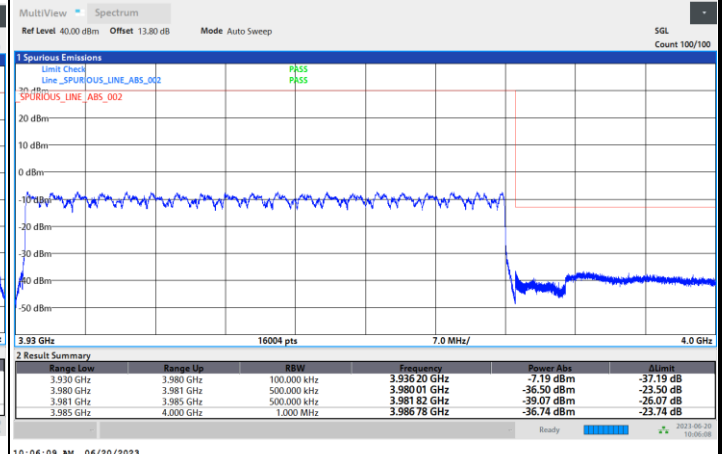
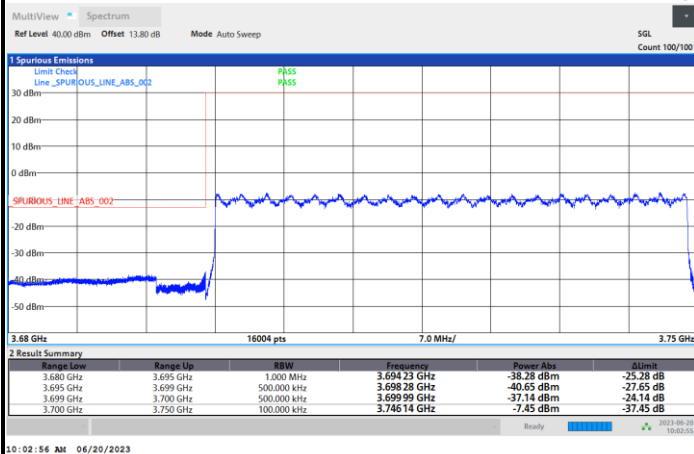
## Highest Band Edge / Full RB



## FR1 n77 / 50MHz / CP OFDM / 256QAM

## Lowest Band Edge / Full RB

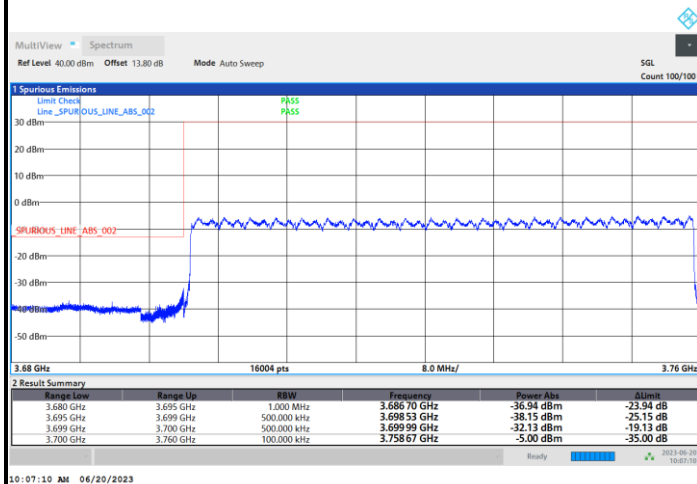
## Highest Band Edge / Full RB



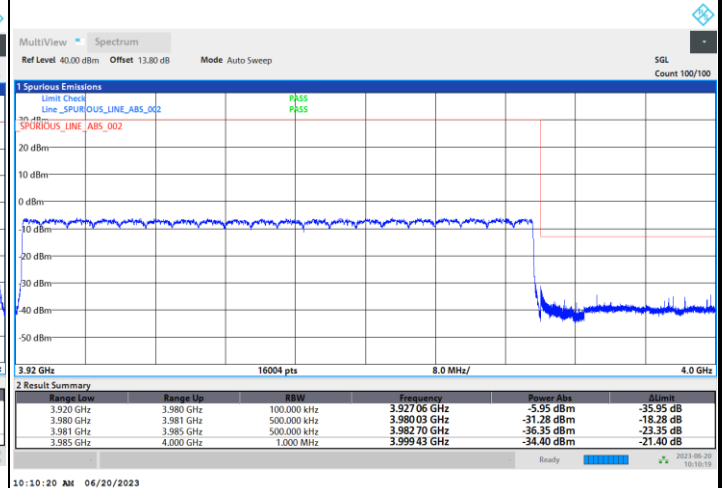


## FR1 n77 / 60MHz / CP OFDM / QPSK

## Lowest Band Edge / Full RB

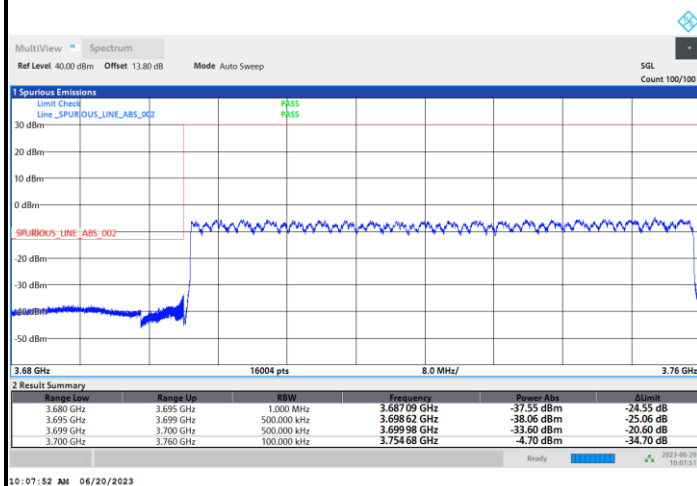


## Highest Band Edge / Full RB

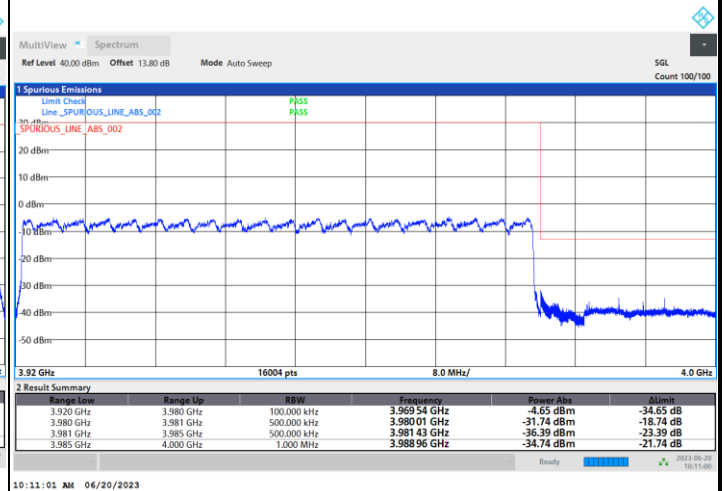


## FR1 n77 / 60MHz / CP OFDM / 16QAM

## Lowest Band Edge / Full RB



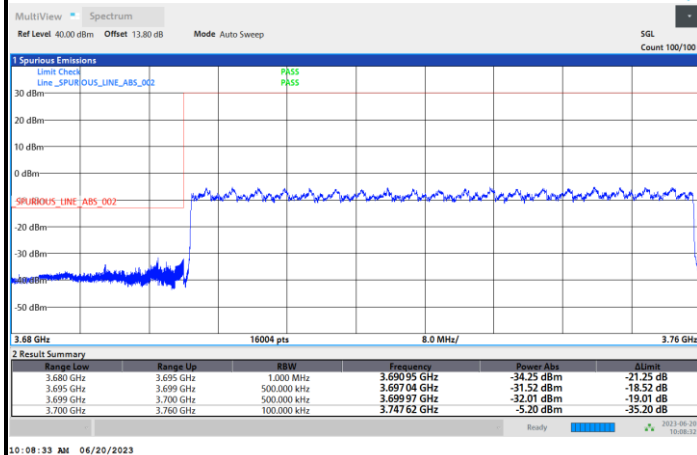
## Highest Band Edge / Full RB



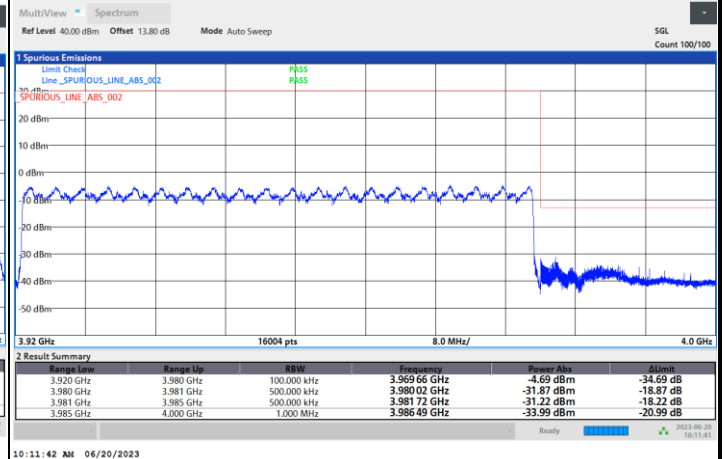


## FR1 n77 / 60MHz / CP OFDM / 64QAM

## Lowest Band Edge / Full RB

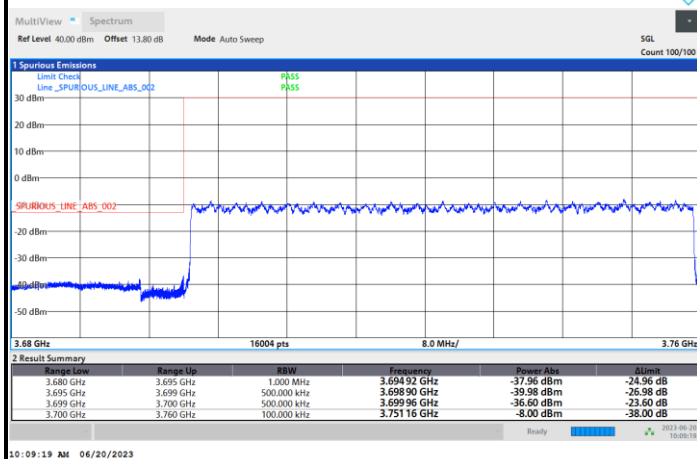


## Highest Band Edge / Full RB

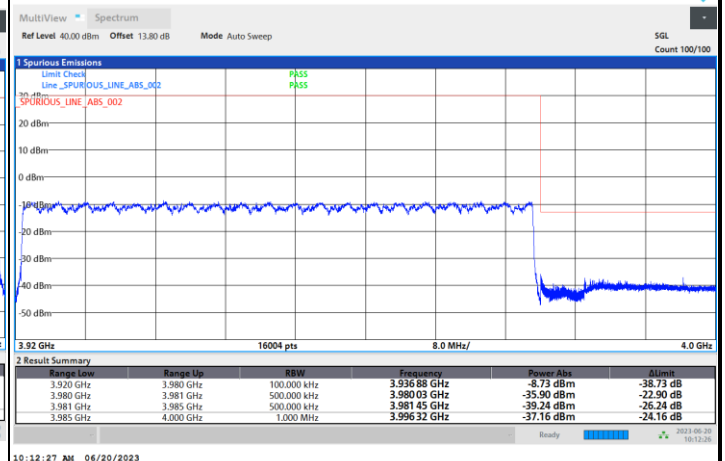


## FR1 n77 / 60MHz / CP OFDM / 256QAM

## Lowest Band Edge / Full RB



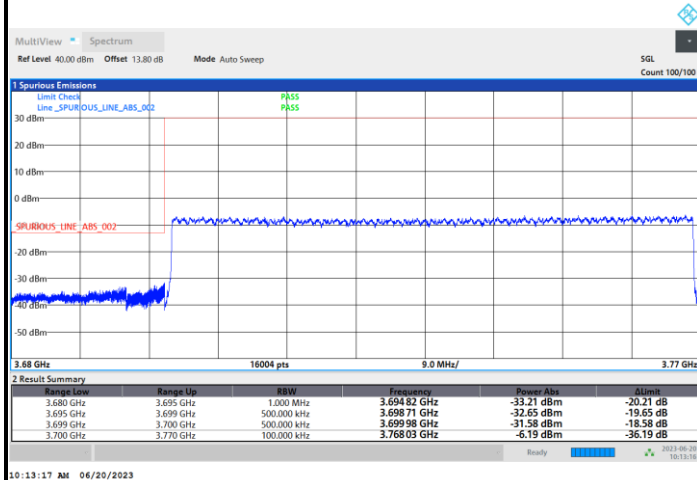
## Highest Band Edge / Full RB



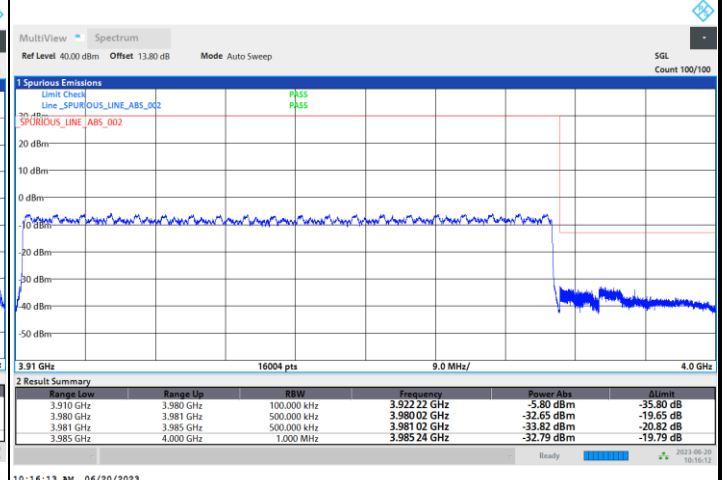


## FR1 n77 / 70MHz / CP OFDM / QPSK

## Lowest Band Edge / Full RB

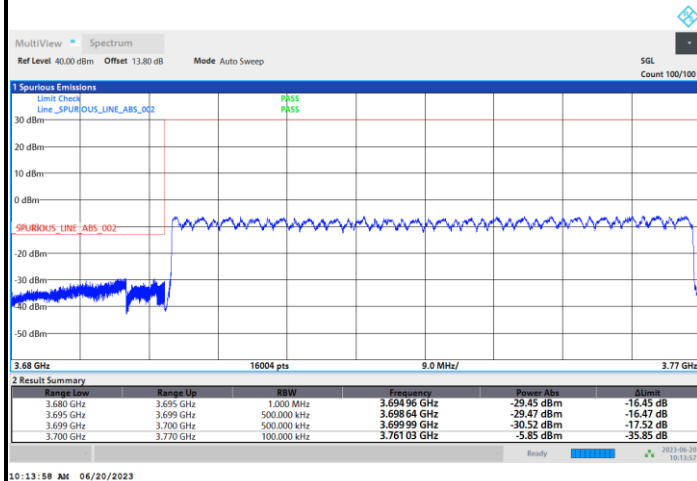


## Highest Band Edge / Full RB

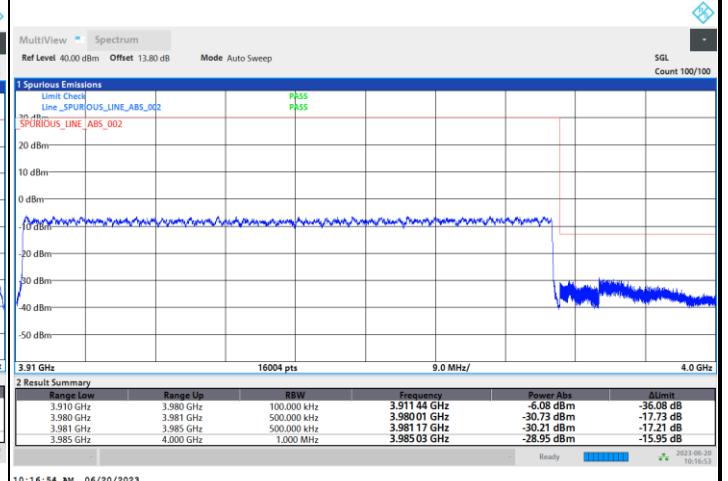


## FR1 n77 / 70MHz / CP OFDM / 16QAM

## Lowest Band Edge / Full RB



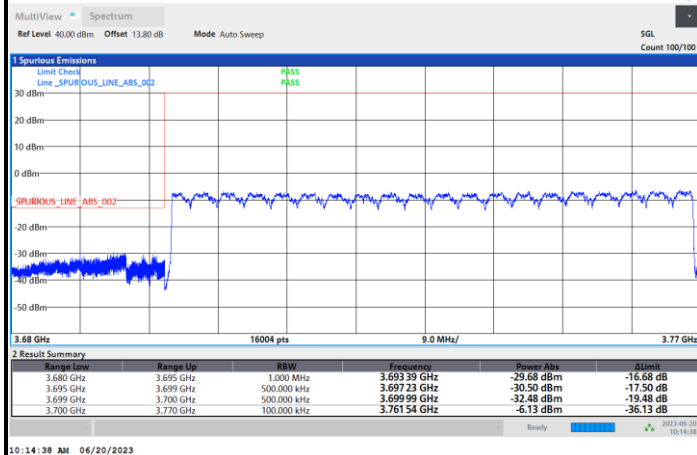
## Highest Band Edge / Full RB



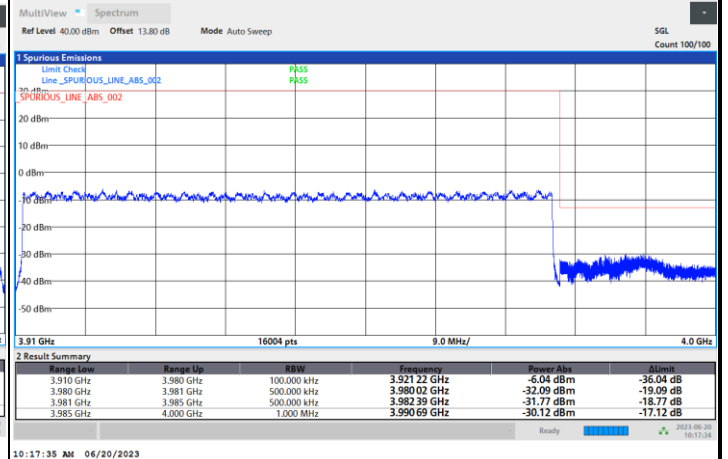


## FR1 n77 / 70MHz / CP OFDM / 64QAM

## Lowest Band Edge / Full RB

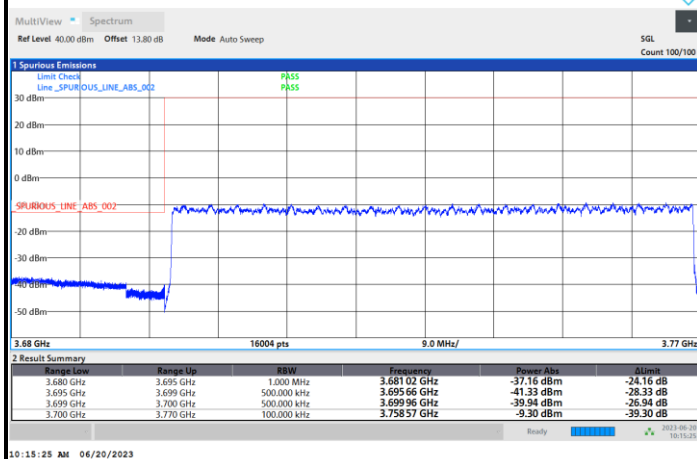


## Highest Band Edge / Full RB

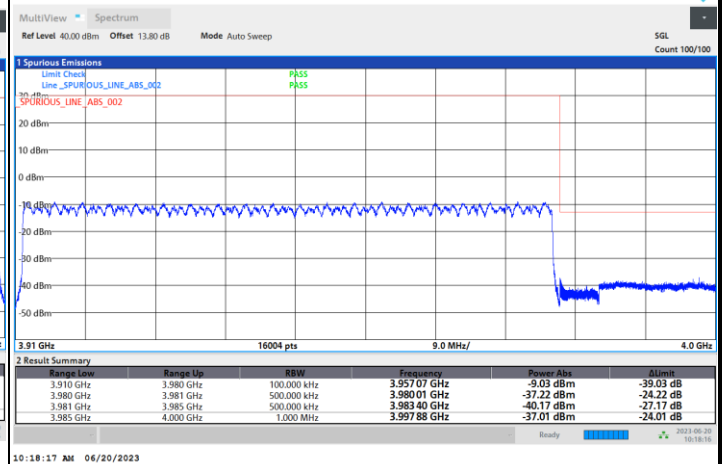


## FR1 n77 / 70MHz / CP OFDM / 256QAM

## Lowest Band Edge / Full RB



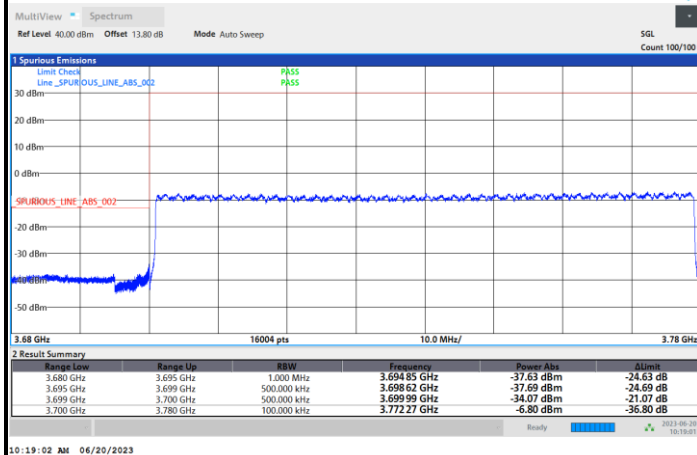
## Highest Band Edge / Full RB



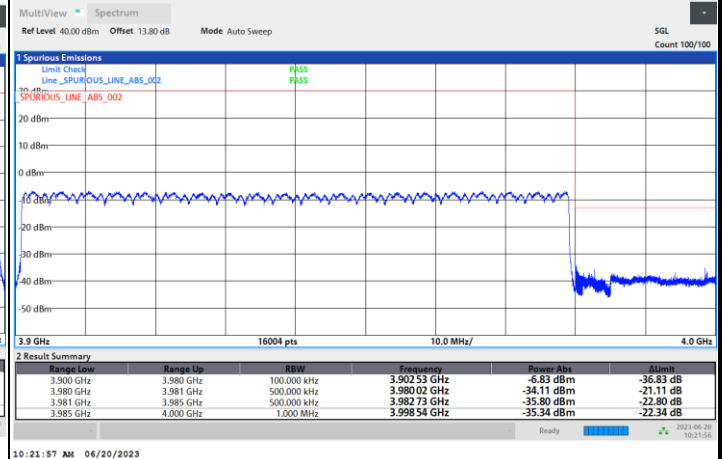


## FR1 n77 / 80MHz / CP OFDM / QPSK

## Lowest Band Edge / Full RB

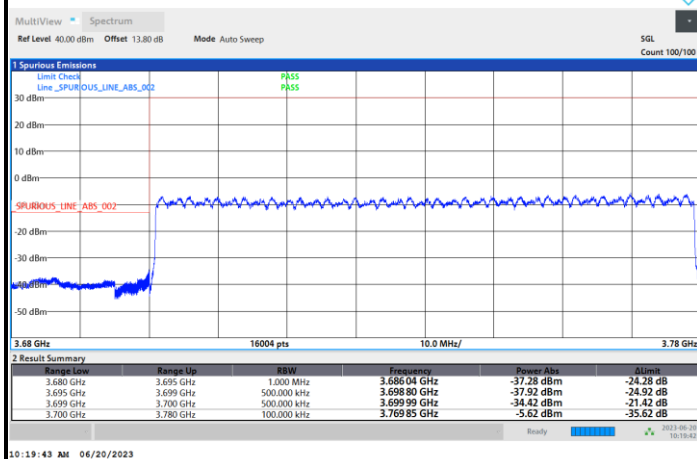


## Highest Band Edge / Full RB

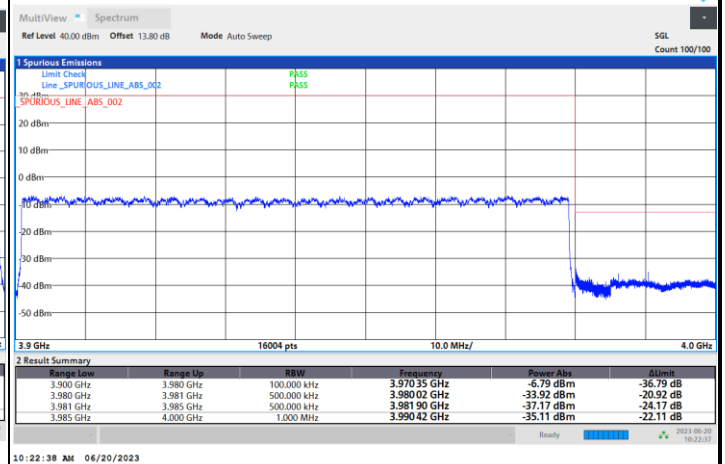


## FR1 n77 / 80MHz / CP OFDM / 16QAM

## Lowest Band Edge / Full RB



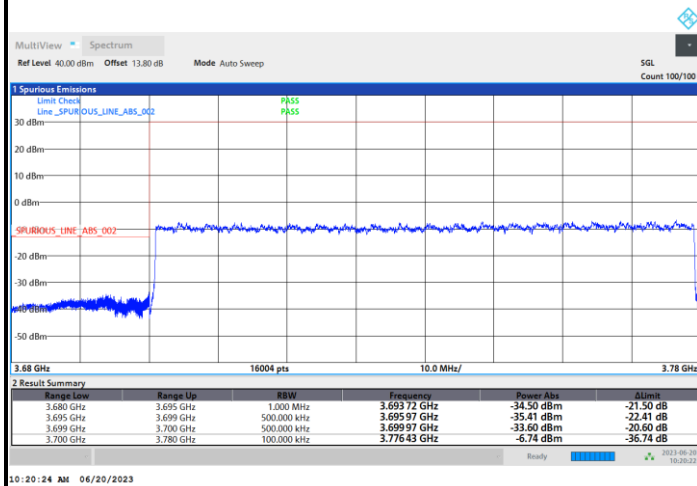
## Highest Band Edge / Full RB



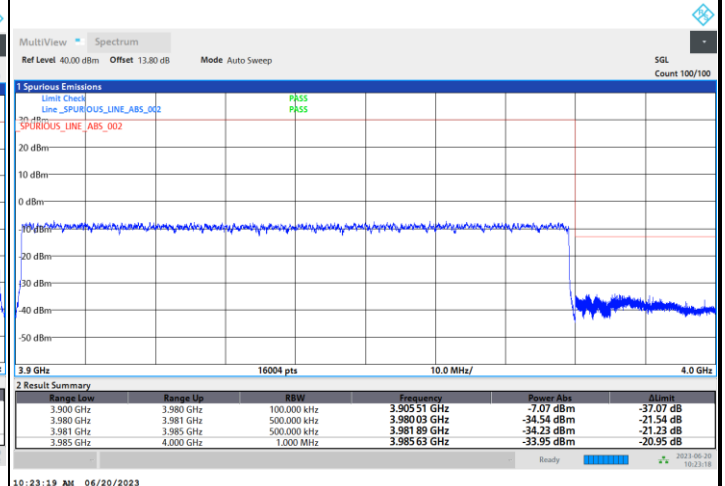


## FR1 n77 / 80MHz / CP OFDM / 64QAM

## Lowest Band Edge / Full RB

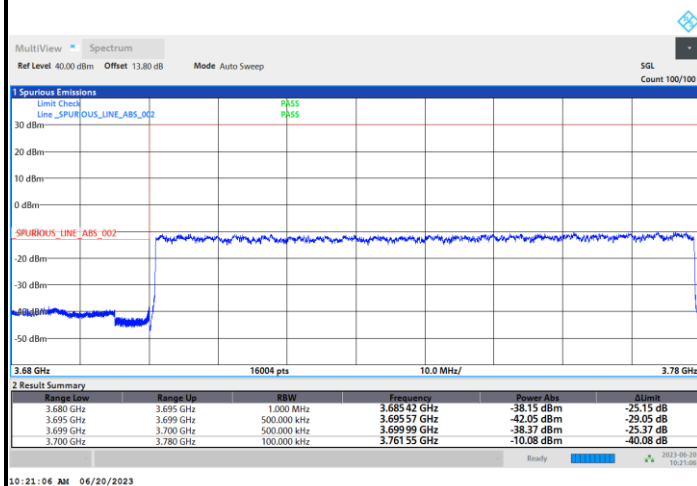


## Highest Band Edge / Full RB

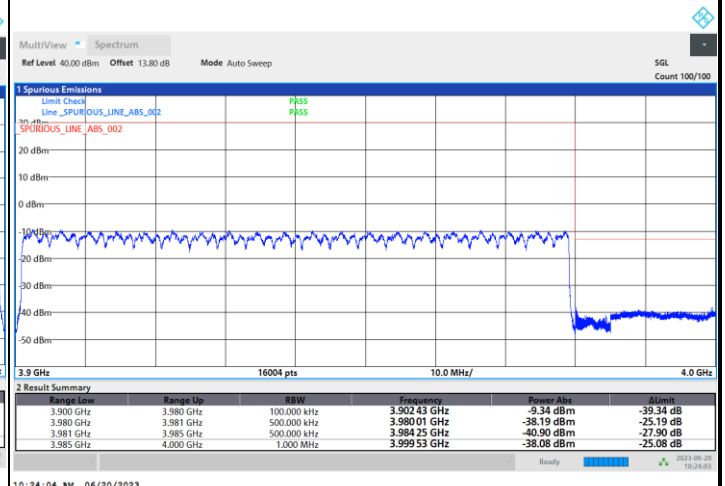


## FR1 n77 / 80MHz / CP OFDM / 256QAM

## Lowest Band Edge / Full RB



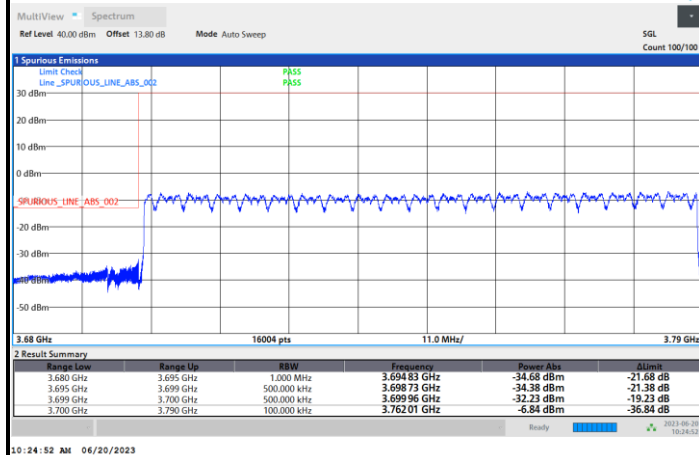
## Highest Band Edge / Full RB



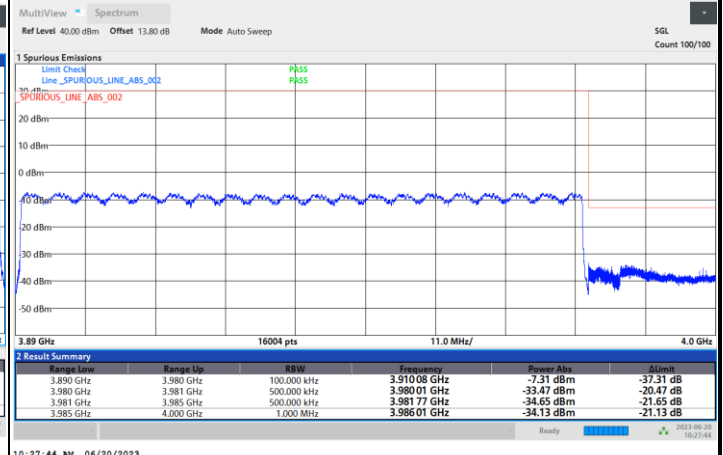


## FR1 n77 / 90MHz / CP OFDM / QPSK

## Lowest Band Edge / Full RB

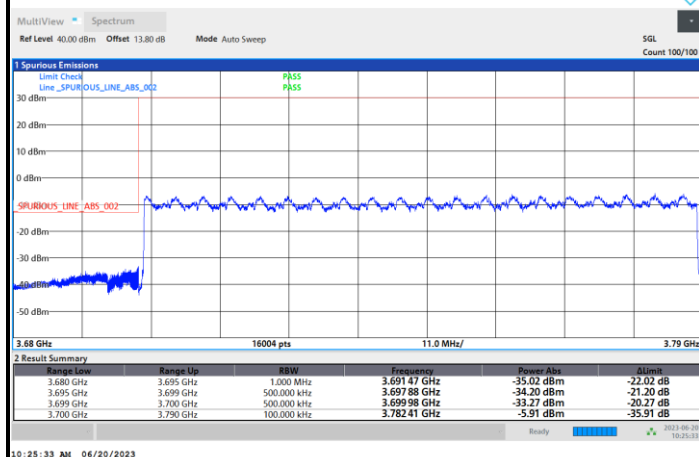


## Highest Band Edge / Full RB

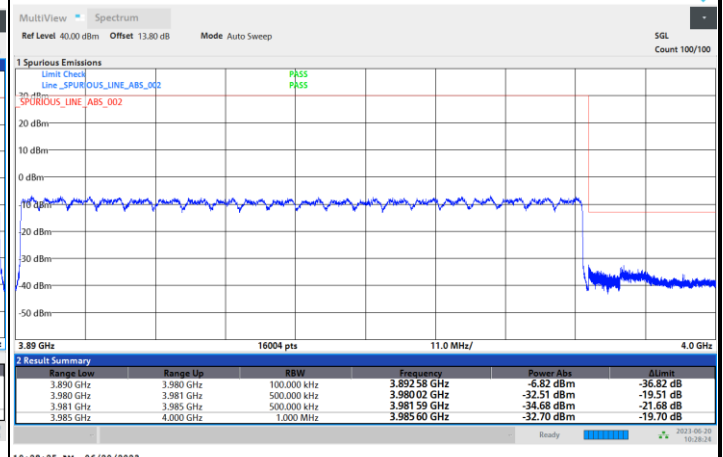


## FR1 n77 / 90MHz / CP OFDM / 16QAM

## Lowest Band Edge / Full RB



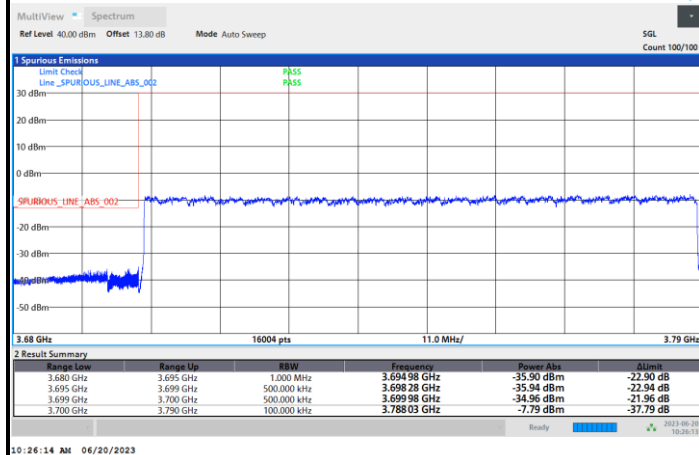
## Highest Band Edge / Full RB



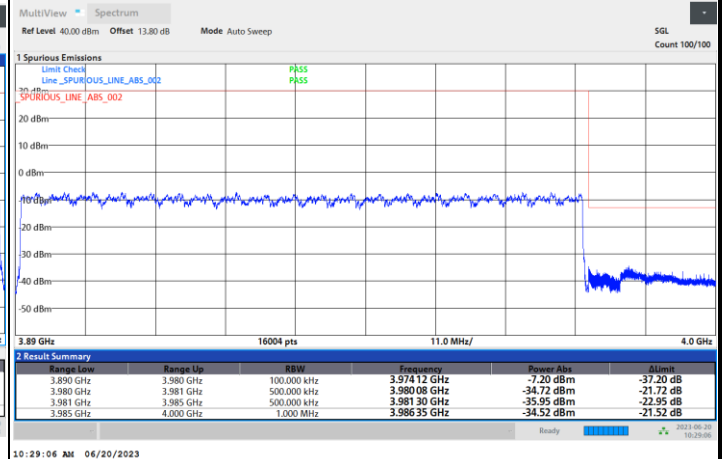


## FR1 n77 / 90MHz / CP OFDM / 64QAM

## Lowest Band Edge / Full RB

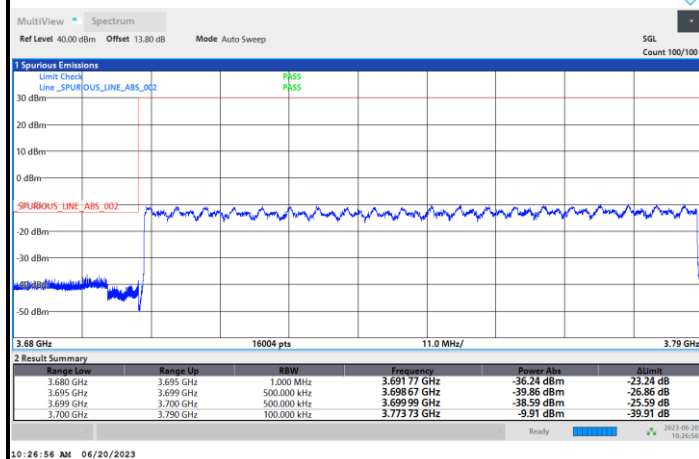


## Highest Band Edge / Full RB

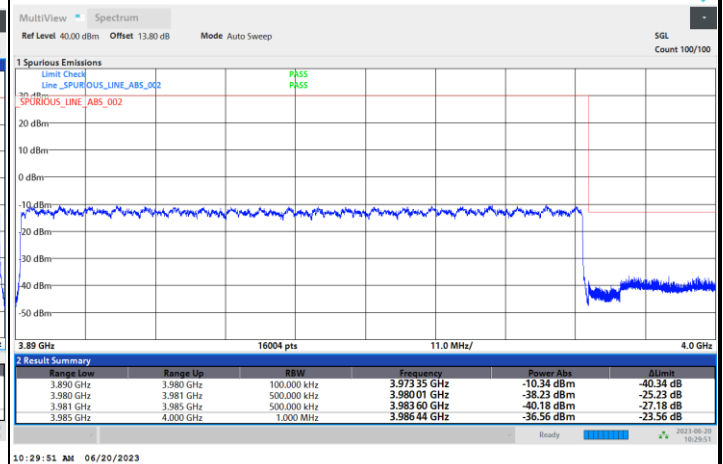


## FR1 n77 / 90MHz / CP OFDM / 256QAM

## Lowest Band Edge / Full RB



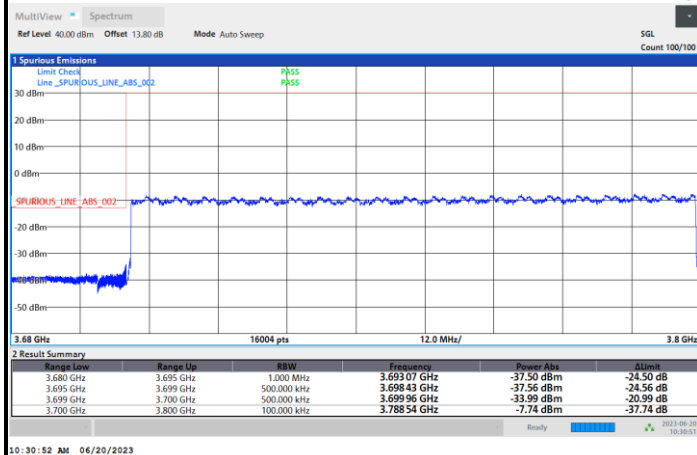
## Highest Band Edge / Full RB



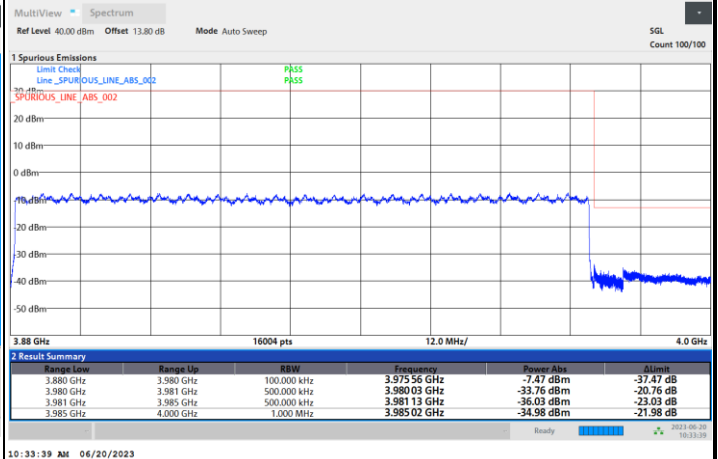


## FR1 n77 / 100MHz / CP OFDM / QPSK

## Lowest Band Edge / Full RB

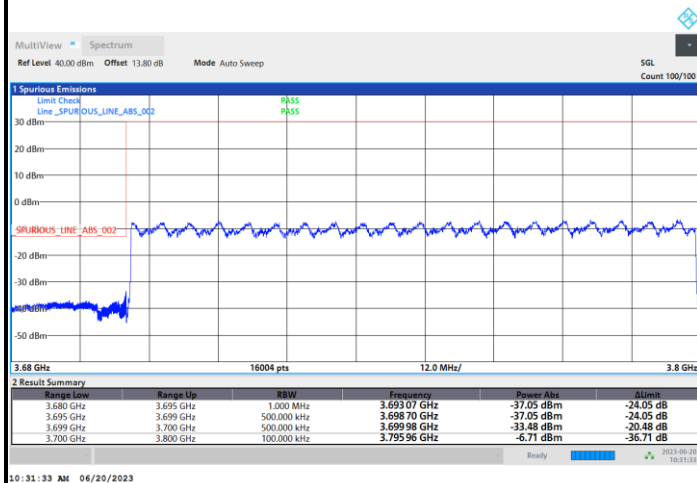


## Highest Band Edge / Full RB

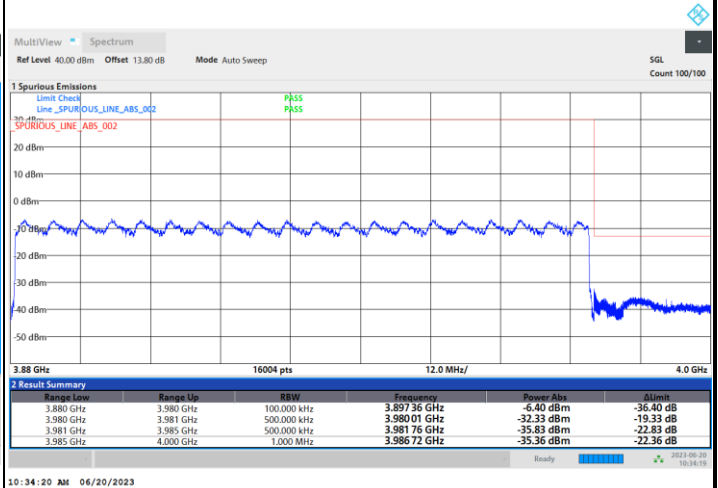


## FR1 n77 / 100MHz / CP OFDM / 16QAM

## Lowest Band Edge / Full RB



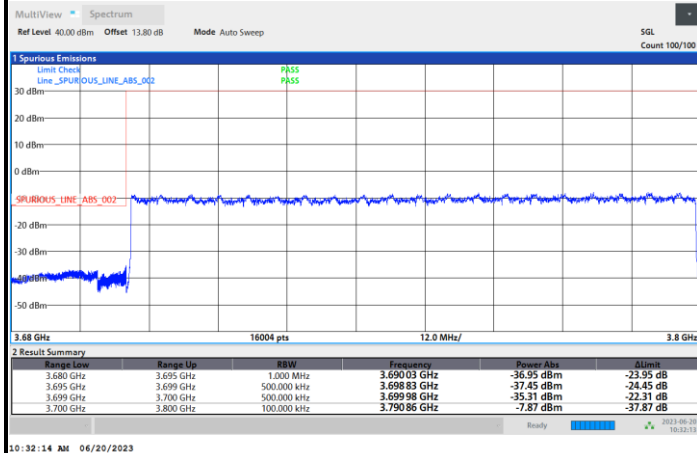
## Highest Band Edge / Full RB



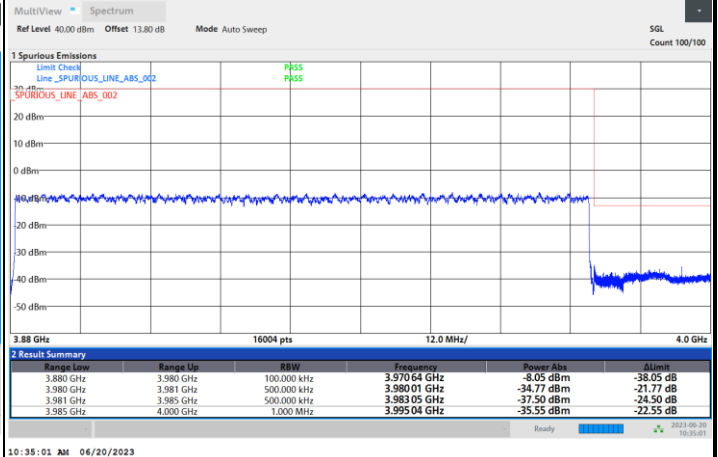


## FR1 n77 / 100MHz / CP OFDM / 64QAM

## Lowest Band Edge / Full RB

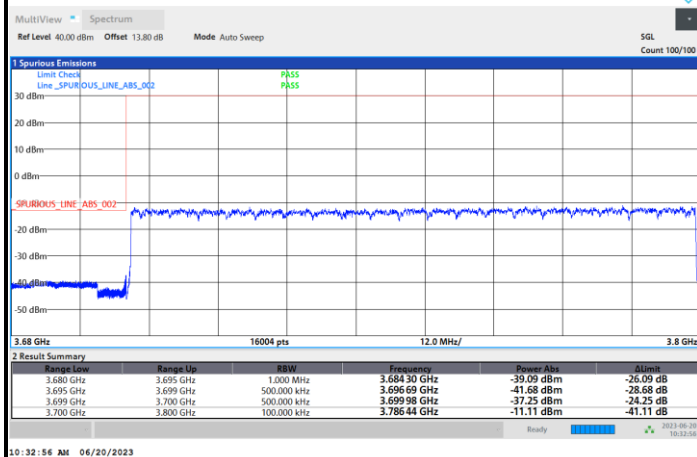


## Highest Band Edge / Full RB

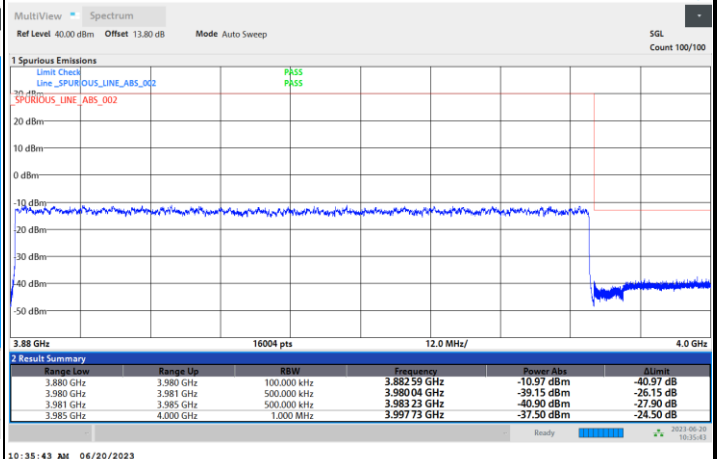


## FR1 n77 / 100MHz / CP OFDM / 256QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

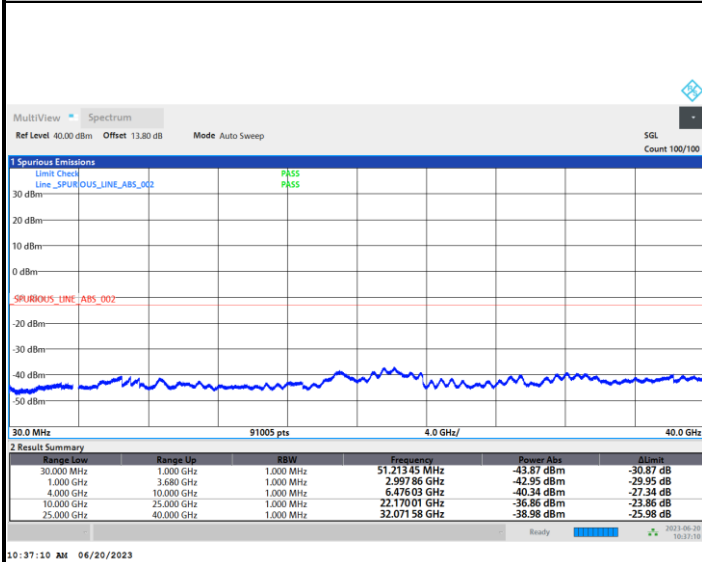




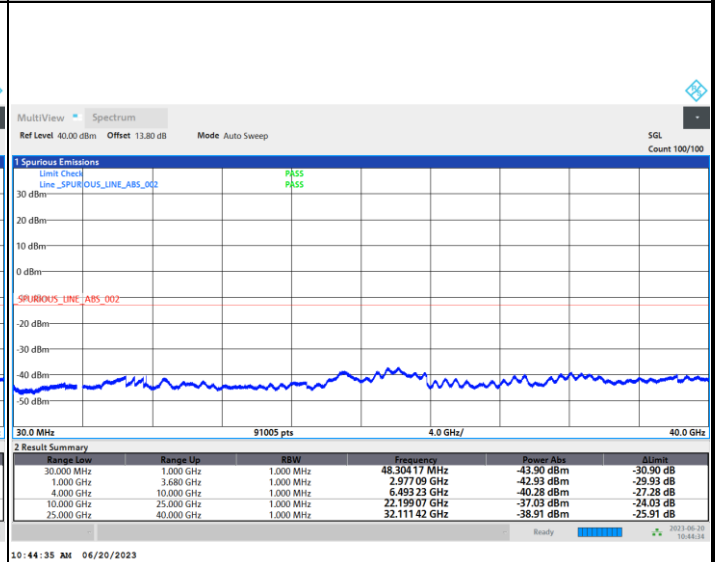
# Conducted Spurious Emission

FR1 n77 / 10MHz / CP OFDM / QPSK / 1RB1

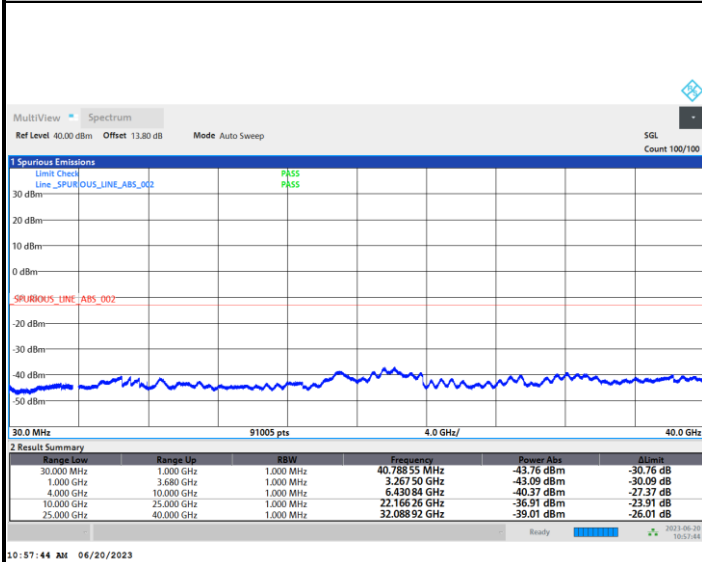
## Lowest Channel



## Middle Channel



## Highest Channel



## Frequency Stability

| Test Conditions     |                   | FR1 n77 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|---------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 20MHz                        | Note 2. |
|                     |                   | Deviation (ppm)                 | Result  |
| 50                  | Normal Voltage    | 0.0049                          | PASS    |
| 40                  | Normal Voltage    | 0.0088                          |         |
| 30                  | Normal Voltage    | 0.0202                          |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                          |         |
| 10                  | Normal Voltage    | 0.0025                          |         |
| 0                   | Normal Voltage    | 0.0175                          |         |
| -10                 | Normal Voltage    | 0.0135                          |         |
| -20                 | Normal Voltage    | 0.0119                          |         |
| -30                 | Normal Voltage    | 0.0108                          |         |
| 20                  | Maximum Voltage   | 0.0182                          |         |
| 20                  | Normal Voltage    | 0.0000                          |         |
| 20                  | Battery End Point | 0.0073                          |         |

**Note:**

1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

<Ant. 3>

### 5G NR n77 HPUE

| 5G NR n77 / 100MHz / PI/2 BPSK |                      |                 |                  |                  |                         |                          |                            |                             |                       |
|--------------------------------|----------------------|-----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                        | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                         | 7403                 | -42.70          | -13              | -29.70           | -72.16                  | -50.00                   | 1.94                       | 11.39                       | H                     |
|                                | 11104                | -37.30          | -13              | -24.30           | -72.62                  | -43.53                   | 2.24                       | 10.62                       | H                     |
|                                | 14805                | -30.22          | -13              | -17.22           | -71.84                  | -38.26                   | 2.58                       | 12.77                       | H                     |
|                                | 18506                | -64.36          | -13              | -51.36           | -75.64                  | -76.56                   | 3.24                       | 17.59                       | H                     |
|                                | 22207                | -62.24          | -13              | -49.24           | -77.07                  | -75.43                   | 3.52                       | 18.86                       | H                     |
|                                | 25908                | -60.30          | -13              | -47.30           | -78.26                  | -73.31                   | 3.92                       | 19.08                       | H                     |
|                                | 7403                 | -42.40          | -13              | -29.40           | -71.96                  | -49.70                   | 1.94                       | 11.39                       | V                     |
|                                | 11104                | -37.48          | -13              | -24.48           | -72.75                  | -43.71                   | 2.24                       | 10.62                       | V                     |
|                                | 14805                | -28.99          | -13              | -15.99           | -71.72                  | -37.03                   | 2.58                       | 12.77                       | V                     |
|                                | 18506                | -64.27          | -13              | -51.27           | -75.33                  | -76.47                   | 3.24                       | 17.59                       | V                     |
|                                | 22207                | -62.47          | -13              | -49.47           | -76.9                   | -75.66                   | 3.52                       | 18.86                       | V                     |
|                                | 25908                | -59.94          | -13              | -46.94           | -77.59                  | -72.95                   | 3.92                       | 19.08                       | V                     |
| Middle                         | 7583                 | -43.36          | -13              | -30.36           | -72.36                  | -50.85                   | 1.90                       | 11.53                       | H                     |
|                                | 11374                | -36.81          | -13              | -23.81           | -72.49                  | -43.26                   | 2.35                       | 10.95                       | H                     |
|                                | 15165                | -30.38          | -13              | -17.38           | -71.47                  | -39.55                   | 2.60                       | 13.93                       | H                     |
|                                | 18956                | -64.71          | -13              | -51.71           | -75.68                  | -76.45                   | 3.26                       | 17.14                       | H                     |
|                                | 22747                | -61.62          | -13              | -48.62           | -77.3                   | -74.62                   | 3.55                       | 18.70                       | H                     |
|                                | 26538                | -59.60          | -13              | -46.60           | -78.41                  | -72.17                   | 3.93                       | 18.65                       | H                     |
|                                | 7583                 | -43.17          | -13              | -30.17           | -72.34                  | -50.66                   | 1.90                       | 11.53                       | V                     |
|                                | 11374                | -36.47          | -13              | -23.47           | -72.22                  | -42.92                   | 2.35                       | 10.95                       | V                     |
|                                | 15165                | -28.86          | -13              | -15.86           | -71.03                  | -38.03                   | 2.60                       | 13.93                       | V                     |
|                                | 18956                | -64.74          | -13              | -51.74           | -75.48                  | -76.48                   | 3.26                       | 17.14                       | V                     |
|                                | 22747                | -62.26          | -13              | -49.26           | -77.56                  | -75.26                   | 3.55                       | 18.70                       | V                     |
|                                | 26538                | -60.18          | -13              | -47.18           | -78.61                  | -72.75                   | 3.93                       | 18.65                       | V                     |



|         |       |        |     |        |        |        |      |       |   |
|---------|-------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 7763  | -43.27 | -13 | -30.27 | -72.28 | -50.92 | 1.88 | 11.68 | H |
|         | 11644 | -35.57 | -13 | -22.57 | -72.06 | -42.58 | 2.46 | 11.62 | H |
|         | 15525 | -30.87 | -13 | -17.87 | -70.96 | -41.49 | 2.70 | 15.47 | H |
|         | 19406 | -64.32 | -13 | -51.32 | -76.03 | -76.37 | 3.23 | 17.42 | H |
|         | 23287 | -61.00 | -13 | -48.00 | -77.31 | -73.87 | 3.63 | 18.66 | H |
|         | 27168 | -58.88 | -13 | -45.88 | -78.72 | -72.17 | 3.93 | 19.37 | H |
|         | 7763  | -42.60 | -13 | -29.60 | -71.88 | -50.25 | 1.88 | 11.68 | V |
|         | 11644 | -35.39 | -13 | -22.39 | -71.79 | -42.40 | 2.46 | 11.62 | V |
|         | 15525 | -30.27 | -13 | -17.27 | -70.63 | -40.89 | 2.70 | 15.47 | V |
|         | 19406 | -63.87 | -13 | -50.87 | -75.32 | -75.92 | 3.23 | 17.42 | V |
|         | 23287 | -60.78 | -13 | -47.78 | -76.76 | -73.65 | 3.63 | 18.66 | V |
|         | 27168 | -59.21 | -13 | -46.21 | -78.69 | -72.50 | 3.93 | 19.37 | V |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**EN-DC 2A-n77A**

| EN-DC 2A-n77A / 10MHz+100MHz / QPSK+BPSK |                      |                 |                  |                  |                         |                          |                            |                             |                       |
|------------------------------------------|----------------------|-----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                  | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                                   | 7403                 | -42.56          | -13              | -29.56           | -72.02                  | -49.86                   | 1.94                       | 11.39                       | H                     |
|                                          | 11104                | -37.39          | -13              | -24.39           | -72.71                  | -43.62                   | 2.24                       | 10.62                       | H                     |
|                                          | 14805                | -29.92          | -13              | -16.92           | -71.54                  | -37.96                   | 2.58                       | 12.77                       | H                     |
|                                          | 18506                | -64.45          | -13              | -51.45           | -75.73                  | -76.65                   | 3.24                       | 17.59                       | H                     |
|                                          | 22208                | -62.38          | -13              | -49.38           | -77.21                  | -75.57                   | 3.52                       | 18.86                       | H                     |
|                                          | 25909                | -59.95          | -13              | -46.95           | -77.91                  | -72.96                   | 3.92                       | 19.08                       | H                     |
|                                          | 7403                 | -29.14          | -13              | -16.14           | -71.7                   | -36.44                   | 1.94                       | 11.39                       | V                     |
|                                          | 11104                | -36.52          | -13              | -23.52           | -71.79                  | -42.75                   | 2.24                       | 10.62                       | V                     |
|                                          | 14805                | -28.80          | -13              | -15.80           | -71.53                  | -36.84                   | 2.58                       | 12.77                       | V                     |
|                                          | 18506                | -64.91          | -13              | -51.91           | -75.97                  | -77.11                   | 3.24                       | 17.59                       | V                     |
|                                          | 22208                | -62.90          | -13              | -49.90           | -77.33                  | -76.09                   | 3.52                       | 18.86                       | V                     |
|                                          | 25909                | -60.41          | -13              | -47.41           | -78.06                  | -73.42                   | 3.92                       | 19.08                       | V                     |
| Middle                                   | 7583                 | -42.68          | -13              | -29.68           | -71.68                  | -50.17                   | 1.90                       | 11.53                       | H                     |
|                                          | 11374                | -36.37          | -13              | -23.37           | -72.05                  | -42.82                   | 2.35                       | 10.95                       | H                     |
|                                          | 15165                | -29.99          | -13              | -16.99           | -71.08                  | -39.16                   | 2.60                       | 13.93                       | H                     |
|                                          | 18956                | -65.02          | -13              | -52.02           | -75.99                  | -76.76                   | 3.26                       | 17.14                       | H                     |
|                                          | 22748                | -61.73          | -13              | -48.73           | -77.41                  | -74.73                   | 3.55                       | 18.70                       | H                     |
|                                          | 26539                | -60.23          | -13              | -47.23           | -79.04                  | -72.81                   | 3.93                       | 18.65                       | H                     |
|                                          | 7583                 | -42.87          | -13              | -29.87           | -72.04                  | -50.36                   | 1.90                       | 11.53                       | V                     |
|                                          | 11374                | -36.15          | -13              | -23.15           | -71.9                   | -42.60                   | 2.35                       | 10.95                       | V                     |
|                                          | 15165                | -28.55          | -13              | -15.55           | -70.72                  | -37.72                   | 2.60                       | 13.93                       | V                     |
|                                          | 18956                | -65.28          | -13              | -52.28           | -76.02                  | -77.02                   | 3.26                       | 17.14                       | V                     |
|                                          | 22748                | -62.03          | -13              | -49.03           | -77.33                  | -75.03                   | 3.55                       | 18.70                       | V                     |
|                                          | 26539                | -60.18          | -13              | -47.18           | -78.61                  | -72.76                   | 3.93                       | 18.65                       | V                     |



|         |       |        |     |        |        |        |      |       |   |
|---------|-------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 7763  | -42.47 | -13 | -29.47 | -71.48 | -50.12 | 1.88 | 11.68 | H |
|         | 11644 | -35.54 | -13 | -22.54 | -72.03 | -42.55 | 2.46 | 11.62 | H |
|         | 15525 | -30.62 | -13 | -17.62 | -70.71 | -41.24 | 2.70 | 15.47 | H |
|         | 19406 | -64.65 | -13 | -51.65 | -76.36 | -76.70 | 3.23 | 17.42 | H |
|         | 23288 | -60.75 | -13 | -47.75 | -77.06 | -73.62 | 3.63 | 18.66 | H |
|         | 27169 | -58.58 | -13 | -45.58 | -78.42 | -71.87 | 3.93 | 19.37 | H |
|         | 7763  | -42.49 | -13 | -29.49 | -71.77 | -50.14 | 1.88 | 11.68 | V |
|         | 11644 | -35.45 | -13 | -22.45 | -71.85 | -42.46 | 2.46 | 11.62 | V |
|         | 15525 | -30.67 | -13 | -17.67 | -71.03 | -41.29 | 2.70 | 15.47 | V |
|         | 19406 | -64.65 | -13 | -51.65 | -76.1  | -76.70 | 3.23 | 17.42 | V |
|         | 23288 | -61.05 | -13 | -48.05 | -77.04 | -73.92 | 3.63 | 18.66 | V |
|         | 27169 | -59.70 | -13 | -46.70 | -79.18 | -72.99 | 3.93 | 19.37 | V |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

## EN-DC 5A-n77A

| EN-DC 5A-n77A / 10MHz+100MHz / QPSK+BPSK |                      |                 |                  |                  |                         |                          |                            |                             |                       |
|------------------------------------------|----------------------|-----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                  | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                   | 7583                 | -43.46          | -13              | -30.46           | -72.46                  | -50.95                   | 1.90                       | 11.53                       | H                     |
|                                          | 11374                | -36.73          | -13              | -23.73           | -72.41                  | -43.18                   | 2.35                       | 10.95                       | H                     |
|                                          | 15165                | -30.33          | -13              | -17.33           | -71.42                  | -39.50                   | 2.60                       | 13.93                       | H                     |
|                                          | 18956                | -64.92          | -13              | -51.92           | -75.89                  | -76.66                   | 3.26                       | 17.14                       | H                     |
|                                          | 22748                | -62.05          | -13              | -49.05           | -77.73                  | -75.05                   | 3.55                       | 18.70                       | H                     |
|                                          | 26539                | -59.79          | -13              | -46.79           | -78.6                   | -72.37                   | 3.93                       | 18.65                       | H                     |
|                                          |                      |                 |                  |                  |                         |                          |                            |                             | H                     |
|                                          | 7583                 | -42.87          | -13              | -29.87           | -72.04                  | -50.36                   | 1.90                       | 11.53                       | V                     |
|                                          | 11374                | -36.36          | -13              | -23.36           | -72.11                  | -42.81                   | 2.35                       | 10.95                       | V                     |
|                                          | 15165                | -29.14          | -13              | -16.14           | -71.31                  | -38.31                   | 2.60                       | 13.93                       | V                     |
|                                          | 18956                | -65.60          | -13              | -52.60           | -76.34                  | -77.34                   | 3.26                       | 17.14                       | V                     |
|                                          | 22748                | -62.08          | -13              | -49.08           | -77.38                  | -75.08                   | 3.55                       | 18.70                       | V                     |
|                                          | 26539                | -60.39          | -13              | -47.39           | -78.82                  | -72.97                   | 3.93                       | 18.65                       | V                     |
|                                          |                      |                 |                  |                  |                         |                          |                            |                             | V                     |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**EN-DC 7A-n77A**

| EN-DC 7A-n77A / 10MHz+100MHz / QPSK+BPSK |                      |                 |                  |                  |                         |                          |                            |                             |                       |
|------------------------------------------|----------------------|-----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                  | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                   | 7583                 | -42.93          | -13              | -29.93           | -71.93                  | -50.42                   | 1.90                       | 11.53                       | H                     |
|                                          | 11374                | -35.74          | -13              | -22.74           | -71.42                  | -42.19                   | 2.35                       | 10.95                       | H                     |
|                                          | 15165                | -29.78          | -13              | -16.78           | -70.87                  | -38.95                   | 2.60                       | 13.93                       | H                     |
|                                          | 18956                | -65.31          | -13              | -52.31           | -76.28                  | -77.05                   | 3.26                       | 17.14                       | H                     |
|                                          | 22748                | -62.07          | -13              | -49.07           | -77.75                  | -75.07                   | 3.55                       | 18.70                       | H                     |
|                                          | 26539                | -59.92          | -13              | -46.92           | -78.73                  | -72.50                   | 3.93                       | 18.65                       | H                     |
|                                          |                      |                 |                  |                  |                         |                          |                            |                             | H                     |
|                                          | 7583                 | -42.79          | -13              | -29.79           | -71.96                  | -50.28                   | 1.90                       | 11.53                       | V                     |
|                                          | 11374                | -36.24          | -13              | -23.24           | -71.99                  | -42.69                   | 2.35                       | 10.95                       | V                     |
|                                          | 15165                | -28.71          | -13              | -15.71           | -70.88                  | -37.88                   | 2.60                       | 13.93                       | V                     |
|                                          | 18956                | -65.64          | -13              | -52.64           | -76.38                  | -77.38                   | 3.26                       | 17.14                       | V                     |
|                                          | 22748                | -62.75          | -13              | -49.75           | -78.05                  | -75.75                   | 3.55                       | 18.70                       | V                     |
|                                          | 26539                | -59.76          | -13              | -46.76           | -78.19                  | -72.34                   | 3.93                       | 18.65                       | V                     |
|                                          |                      |                 |                  |                  |                         |                          |                            |                             | V                     |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**EN-DC 12A-n77A**

| EN-DC 12A-n77A / 10MHz+100MHz / QPSK+BPSK |                      |                 |                  |                  |                         |                          |                            |                             |                       |
|-------------------------------------------|----------------------|-----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                    | 7583                 | -43.54          | -13              | -30.54           | -72.54                  | -51.03                   | 1.90                       | 11.53                       | H                     |
|                                           | 11374                | -37.32          | -13              | -24.32           | -73                     | -43.77                   | 2.35                       | 10.95                       | H                     |
|                                           | 15165                | -30.51          | -13              | -17.51           | -71.6                   | -39.68                   | 2.60                       | 13.93                       | H                     |
|                                           | 18956                | -64.98          | -13              | -51.98           | -75.95                  | -76.72                   | 3.26                       | 17.14                       | H                     |
|                                           | 22748                | -61.95          | -13              | -48.95           | -77.63                  | -74.95                   | 3.55                       | 18.70                       | H                     |
|                                           | 26539                | -59.84          | -13              | -46.84           | -78.65                  | -72.42                   | 3.93                       | 18.65                       | H                     |
|                                           |                      |                 |                  |                  |                         |                          |                            |                             | H                     |
|                                           | 7583                 | -43.24          | -13              | -30.24           | -72.41                  | -50.73                   | 1.90                       | 11.53                       | V                     |
|                                           | 11374                | -37.32          | -13              | -24.32           | -73.07                  | -43.77                   | 2.35                       | 10.95                       | V                     |
|                                           | 15165                | -28.82          | -13              | -15.82           | -70.99                  | -37.99                   | 2.60                       | 13.93                       | V                     |
|                                           | 18956                | -66.03          | -13              | -53.03           | -76.77                  | -77.77                   | 3.26                       | 17.14                       | V                     |
|                                           | 22748                | -63.01          | -13              | -50.01           | -78.31                  | -76.01                   | 3.55                       | 18.70                       | V                     |
|                                           | 26539                | -60.23          | -13              | -47.23           | -78.66                  | -72.81                   | 3.93                       | 18.65                       | V                     |
|                                           |                      |                 |                  |                  |                         |                          |                            |                             | V                     |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**EN-DC 13A-n77A**

| EN-DC 13A-n77A / 10MHz+100MHz / QPSK+BPSK |                      |                 |                  |                  |                         |                          |                            |                             |                       |
|-------------------------------------------|----------------------|-----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                    | 7583                 | -42.79          | -13              | -29.79           | -71.79                  | -50.28                   | 1.90                       | 11.53                       | H                     |
|                                           | 11374                | -37.30          | -13              | -24.30           | -72.98                  | -43.75                   | 2.35                       | 10.95                       | H                     |
|                                           | 15165                | -30.61          | -13              | -17.61           | -71.69                  | -39.78                   | 2.60                       | 13.93                       | H                     |
|                                           | 18956                | -65.42          | -13              | -52.42           | -76.39                  | -77.16                   | 3.26                       | 17.14                       | H                     |
|                                           | 22748                | -61.69          | -13              | -48.69           | -77.37                  | -74.69                   | 3.55                       | 18.70                       | H                     |
|                                           | 26539                | -59.74          | -13              | -46.74           | -78.55                  | -72.32                   | 3.93                       | 18.65                       | H                     |
|                                           |                      |                 |                  |                  |                         |                          |                            |                             | H                     |
|                                           | 7583                 | -43.50          | -13              | -30.50           | -72.67                  | -50.99                   | 1.90                       | 11.53                       | V                     |
|                                           | 11374                | -37.19          | -13              | -24.19           | -72.94                  | -43.64                   | 2.35                       | 10.95                       | V                     |
|                                           | 15165                | -29.50          | -13              | -16.50           | -71.66                  | -38.67                   | 2.60                       | 13.93                       | V                     |
|                                           | 18956                | -65.68          | -13              | -52.68           | -76.42                  | -77.42                   | 3.26                       | 17.14                       | V                     |
|                                           | 22748                | -62.73          | -13              | -49.73           | -78.03                  | -75.73                   | 3.55                       | 18.70                       | V                     |
|                                           | 26539                | -60.45          | -13              | -47.45           | -78.88                  | -73.03                   | 3.93                       | 18.65                       | V                     |
|                                           |                      |                 |                  |                  |                         |                          |                            |                             | V                     |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**EN-DC 14A-n77A**

| EN-DC 14A-n77A / 10MHz+100MHz / QPSK+BPSK |                      |                 |                  |                  |                         |                          |                            |                             |                       |
|-------------------------------------------|----------------------|-----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                    | 7583                 | -43.41          | -13              | -30.41           | -72.41                  | -50.90                   | 1.90                       | 11.53                       | H                     |
|                                           | 11374                | -37.10          | -13              | -24.10           | -72.78                  | -43.55                   | 2.35                       | 10.95                       | H                     |
|                                           | 15165                | -30.43          | -13              | -17.43           | -71.52                  | -39.60                   | 2.60                       | 13.93                       | H                     |
|                                           | 18956                | -65.48          | -13              | -52.48           | -76.45                  | -77.22                   | 3.26                       | 17.14                       | H                     |
|                                           | 22748                | -62.34          | -13              | -49.34           | -78.02                  | -75.34                   | 3.55                       | 18.70                       | H                     |
|                                           | 26539                | -59.58          | -13              | -46.58           | -78.39                  | -72.16                   | 3.93                       | 18.65                       | H                     |
|                                           |                      |                 |                  |                  |                         |                          |                            |                             | H                     |
|                                           | 7583                 | -43.11          | -13              | -30.11           | -72.28                  | -50.60                   | 1.90                       | 11.53                       | V                     |
|                                           | 11374                | -37.09          | -13              | -24.09           | -72.84                  | -43.54                   | 2.35                       | 10.95                       | V                     |
|                                           | 15165                | -29.17          | -13              | -16.17           | -71.34                  | -38.34                   | 2.60                       | 13.93                       | V                     |
|                                           | 18956                | -65.86          | -13              | -52.86           | -76.6                   | -77.60                   | 3.26                       | 17.14                       | V                     |
|                                           | 22748                | -62.94          | -13              | -49.94           | -78.24                  | -75.94                   | 3.55                       | 18.70                       | V                     |
|                                           | 26539                | -60.27          | -13              | -47.27           | -78.7                   | -72.85                   | 3.93                       | 18.65                       | V                     |
|                                           |                      |                 |                  |                  |                         |                          |                            |                             | V                     |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**EN-DC 41A-n77A**

| EN-DC 41A-n77A / 10MHz+100MHz / QPSK+BPSK |                      |                 |                  |                  |                         |                          |                            |                             |                       |
|-------------------------------------------|----------------------|-----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                    | 7583                 | -43.28          | -13              | -30.28           | -72.28                  | -50.77                   | 1.90                       | 11.53                       | H                     |
|                                           | 11374                | -37.22          | -13              | -24.22           | -72.9                   | -43.67                   | 2.35                       | 10.95                       | H                     |
|                                           | 15165                | -30.25          | -13              | -17.25           | -71.34                  | -39.42                   | 2.60                       | 13.93                       | H                     |
|                                           | 18956                | -65.59          | -13              | -52.59           | -76.56                  | -77.33                   | 3.26                       | 17.14                       | H                     |
|                                           | 22748                | -62.49          | -13              | -49.49           | -78.17                  | -75.49                   | 3.55                       | 18.70                       | H                     |
|                                           | 26539                | -60.12          | -13              | -47.12           | -78.93                  | -72.70                   | 3.93                       | 18.65                       | H                     |
|                                           |                      |                 |                  |                  |                         |                          |                            |                             | H                     |
|                                           | 7583                 | -43.57          | -13              | -30.57           | -72.74                  | -51.06                   | 1.90                       | 11.53                       | V                     |
|                                           | 11374                | -37.44          | -13              | -24.44           | -73.19                  | -43.89                   | 2.35                       | 10.95                       | V                     |
|                                           | 15165                | -29.78          | -13              | -16.78           | -71.95                  | -38.95                   | 2.60                       | 13.93                       | V                     |
|                                           | 18956                | -65.63          | -13              | -52.63           | -76.37                  | -77.37                   | 3.26                       | 17.14                       | V                     |
|                                           | 22748                | -62.72          | -13              | -49.72           | -78.02                  | -75.72                   | 3.55                       | 18.70                       | V                     |
|                                           | 26539                | -60.33          | -13              | -47.33           | -78.76                  | -72.91                   | 3.93                       | 18.65                       | V                     |
|                                           |                      |                 |                  |                  |                         |                          |                            |                             | V                     |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**EN-DC 66A-n77A**

| EN-DC 66A-n77A / 10MHz+100MHz / QPSK+BPSK |                      |                 |                  |                  |                         |                          |                            |                             |                       |
|-------------------------------------------|----------------------|-----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                    | 7583                 | -43.63          | -13              | -30.63           | -72.63                  | -51.12                   | 1.90                       | 11.53                       | H                     |
|                                           | 11374                | -37.25          | -13              | -24.25           | -72.93                  | -43.70                   | 2.35                       | 10.95                       | H                     |
|                                           | 15165                | -30.35          | -13              | -17.35           | -71.44                  | -39.52                   | 2.60                       | 13.93                       | H                     |
|                                           | 18956                | -65.64          | -13              | -52.64           | -76.61                  | -77.38                   | 3.26                       | 17.14                       | H                     |
|                                           | 22748                | -62.38          | -13              | -49.38           | -78.06                  | -75.38                   | 3.55                       | 18.70                       | H                     |
|                                           | 26539                | -60.00          | -13              | -47.00           | -78.81                  | -72.58                   | 3.93                       | 18.65                       | H                     |
|                                           |                      |                 |                  |                  |                         |                          |                            |                             | H                     |
|                                           | 7583                 | -43.19          | -13              | -30.19           | -72.36                  | -50.68                   | 1.90                       | 11.53                       | V                     |
|                                           | 11374                | -37.54          | -13              | -24.54           | -73.29                  | -43.99                   | 2.35                       | 10.95                       | V                     |
|                                           | 15165                | -29.59          | -13              | -16.59           | -71.76                  | -38.76                   | 2.60                       | 13.93                       | V                     |
|                                           | 18956                | -65.94          | -13              | -52.94           | -76.68                  | -77.68                   | 3.26                       | 17.14                       | V                     |
|                                           | 22748                | -62.69          | -13              | -49.69           | -77.99                  | -75.69                   | 3.55                       | 18.70                       | V                     |
|                                           | 26539                | -60.44          | -13              | -47.44           | -78.87                  | -73.02                   | 3.93                       | 18.65                       | V                     |
|                                           |                      |                 |                  |                  |                         |                          |                            |                             | V                     |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**EN-DC 4A-n78A**

| EN-DC 4A-n78A / 10MHz+100MHz / QPSK+BPSK |                      |                 |                  |                  |                         |                          |                            |                             |                       |
|------------------------------------------|----------------------|-----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                  | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                   | 7402                 | -42.88          | -13              | -29.88           | -72.35                  | -50.19                   | 1.94                       | 11.40                       | H                     |
|                                          | 11103                | -37.91          | -13              | -24.91           | -73.23                  | -44.14                   | 2.24                       | 10.62                       | H                     |
|                                          | 14805                | -30.22          | -13              | -17.22           | -71.84                  | -38.26                   | 2.58                       | 12.77                       | H                     |
|                                          | 18506                | -64.44          | -13              | -51.44           | -75.72                  | -76.64                   | 3.24                       | 17.59                       | H                     |
|                                          | 22207                | -62.83          | -13              | -49.83           | -77.66                  | -76.02                   | 3.52                       | 18.86                       | H                     |
|                                          | 25908                | -60.62          | -13              | -47.62           | -78.58                  | -73.63                   | 3.92                       | 19.08                       | H                     |
|                                          |                      |                 |                  |                  |                         |                          |                            |                             | H                     |
|                                          | 7402                 | -42.73          | -13              | -29.73           | -72.29                  | -50.04                   | 1.94                       | 11.40                       | V                     |
|                                          | 11103                | -38.01          | -13              | -25.01           | -73.28                  | -44.24                   | 2.24                       | 10.62                       | V                     |
|                                          | 14805                | -29.51          | -13              | -16.51           | -72.24                  | -37.55                   | 2.58                       | 12.77                       | V                     |
|                                          | 18506                | -65.07          | -13              | -52.07           | -76.13                  | -77.27                   | 3.24                       | 17.59                       | V                     |
|                                          | 22207                | -63.47          | -13              | -50.47           | -77.9                   | -76.66                   | 3.52                       | 18.86                       | V                     |
|                                          | 25908                | -61.48          | -13              | -48.48           | -79.13                  | -74.49                   | 3.92                       | 19.08                       | V                     |
|                                          |                      |                 |                  |                  |                         |                          |                            |                             | V                     |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**EN-DC 71A-n78A**

| EN-DC 71A-n78A / 10MHz+100MHz / QPSK+BPSK |                      |                 |                  |                  |                         |                          |                            |                             |                       |
|-------------------------------------------|----------------------|-----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                    | 7402                 | -42.60          | -13              | -29.60           | -72.07                  | -49.91                   | 1.94                       | 11.40                       | H                     |
|                                           | 11103                | -37.92          | -13              | -24.92           | -73.24                  | -44.15                   | 2.24                       | 10.62                       | H                     |
|                                           | 14805                | -30.66          | -13              | -17.66           | -72.28                  | -38.70                   | 2.58                       | 12.77                       | H                     |
|                                           | 18506                | -65.09          | -13              | -52.09           | -76.37                  | -77.29                   | 3.24                       | 17.59                       | H                     |
|                                           | 22207                | -62.67          | -13              | -49.67           | -77.5                   | -75.86                   | 3.52                       | 18.86                       | H                     |
|                                           | 25908                | -60.40          | -13              | -47.40           | -78.36                  | -73.41                   | 3.92                       | 19.08                       | H                     |
|                                           |                      |                 |                  |                  |                         |                          |                            |                             | H                     |
|                                           | 7402                 | -42.62          | -13              | -29.62           | -72.18                  | -49.93                   | 1.94                       | 11.40                       | V                     |
|                                           | 11103                | -37.48          | -13              | -24.48           | -72.75                  | -43.71                   | 2.24                       | 10.62                       | V                     |
|                                           | 14805                | -28.98          | -13              | -15.98           | -71.71                  | -37.02                   | 2.58                       | 12.77                       | V                     |
|                                           | 18506                | -65.21          | -13              | -52.21           | -76.27                  | -77.41                   | 3.24                       | 17.59                       | V                     |
|                                           | 22207                | -63.38          | -13              | -50.38           | -77.81                  | -76.57                   | 3.52                       | 18.86                       | V                     |
|                                           | 25908                | -60.57          | -13              | -47.57           | -78.22                  | -73.58                   | 3.92                       | 19.08                       | V                     |
|                                           |                      |                 |                  |                  |                         |                          |                            |                             | V                     |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



&lt;Ant. 0&gt;

**5G NR n77 (SRS)**

| 5G NR n77 (SRS) / 100MHz / PI/2 BPSK |                      |                 |                  |                  |                         |                          |                            |                             |                       |
|--------------------------------------|----------------------|-----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                              | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                               | 7583                 | -43.39          | -13              | -30.39           | -72.39                  | -50.88                   | 1.90                       | 11.53                       | H                     |
|                                      | 11374                | -36.85          | -13              | -23.85           | -72.53                  | -43.30                   | 2.35                       | 10.95                       | H                     |
|                                      | 15165                | -29.99          | -13              | -16.99           | -71.08                  | -39.16                   | 2.60                       | 13.93                       | H                     |
|                                      | 18956                | -65.91          | -13              | -52.91           | -76.88                  | -77.65                   | 3.26                       | 17.14                       | H                     |
|                                      | 22748                | -62.34          | -13              | -49.34           | -78.02                  | -75.34                   | 3.55                       | 18.70                       | H                     |
|                                      | 26539                | -59.81          | -13              | -46.81           | -78.62                  | -72.39                   | 3.93                       | 18.65                       | H                     |
|                                      |                      |                 |                  |                  |                         |                          |                            |                             | H                     |
|                                      | 7583                 | -42.57          | -13              | -29.57           | -71.74                  | -50.06                   | 1.90                       | 11.53                       | V                     |
|                                      | 11374                | -36.62          | -13              | -23.62           | -72.37                  | -43.07                   | 2.35                       | 10.95                       | V                     |
|                                      | 15165                | -28.79          | -13              | -15.79           | -70.96                  | -37.96                   | 2.60                       | 13.93                       | V                     |
|                                      | 18956                | -65.67          | -13              | -52.67           | -76.41                  | -77.41                   | 3.26                       | 17.14                       | V                     |
|                                      | 22748                | -63.00          | -13              | -50.00           | -78.3                   | -76.00                   | 3.55                       | 18.70                       | V                     |
|                                      | 26539                | -60.35          | -13              | -47.35           | -78.78                  | -72.93                   | 3.93                       | 18.65                       | V                     |
|                                      |                      |                 |                  |                  |                         |                          |                            |                             | V                     |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



&lt;Ant. 1&gt;

**5G NR n77 (SRS)**

| 5G NR n77 (SRS) / 100MHz / PI/2 BPSK |                      |                 |                  |                  |                         |                          |                            |                             |                       |
|--------------------------------------|----------------------|-----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                              | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                               | 7583                 | -43.43          | -13              | -30.43           | -72.43                  | -50.92                   | 1.90                       | 11.53                       | H                     |
|                                      | 11374                | -36.73          | -13              | -23.73           | -72.41                  | -43.18                   | 2.35                       | 10.95                       | H                     |
|                                      | 15165                | -30.05          | -13              | -17.05           | -71.14                  | -39.22                   | 2.60                       | 13.93                       | H                     |
|                                      | 18956                | -65.17          | -13              | -52.17           | -76.14                  | -76.91                   | 3.26                       | 17.14                       | H                     |
|                                      | 22748                | -62.55          | -13              | -49.55           | -78.23                  | -75.55                   | 3.55                       | 18.70                       | H                     |
|                                      | 26539                | -60.01          | -13              | -47.01           | -78.82                  | -72.59                   | 3.93                       | 18.65                       | H                     |
|                                      |                      |                 |                  |                  |                         |                          |                            |                             | H                     |
|                                      | 7583                 | -42.92          | -13              | -29.92           | -72.09                  | -50.41                   | 1.90                       | 11.53                       | V                     |
|                                      | 11374                | -36.71          | -13              | -23.71           | -72.46                  | -43.16                   | 2.35                       | 10.95                       | V                     |
|                                      | 15165                | -29.01          | -13              | -16.01           | -71.18                  | -38.18                   | 2.60                       | 13.93                       | V                     |
|                                      | 18956                | -66.02          | -13              | -53.02           | -76.76                  | -77.76                   | 3.26                       | 17.14                       | V                     |
|                                      | 22748                | -62.51          | -13              | -49.51           | -77.81                  | -75.51                   | 3.55                       | 18.70                       | V                     |
|                                      | 26539                | -60.64          | -13              | -47.64           | -79.07                  | -73.22                   | 3.93                       | 18.65                       | V                     |
|                                      |                      |                 |                  |                  |                         |                          |                            |                             | V                     |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



&lt;Ant. 2&gt;

**5G NR n77 (SRS)**

| 5G NR n77 (SRS) / 100MHz / PI/2 BPSK |                      |                 |                  |                  |                         |                          |                            |                             |                       |
|--------------------------------------|----------------------|-----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                              | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                               | 7583                 | -42.79          | -13              | -29.79           | -71.79                  | -50.28                   | 1.90                       | 11.53                       | H                     |
|                                      | 11374                | -35.81          | -13              | -22.81           | -71.49                  | -42.26                   | 2.35                       | 10.95                       | H                     |
|                                      | 15165                | -30.24          | -13              | -17.24           | -71.33                  | -39.41                   | 2.60                       | 13.93                       | H                     |
|                                      | 18956                | -65.96          | -13              | -52.96           | -76.93                  | -77.70                   | 3.26                       | 17.14                       | H                     |
|                                      | 22747                | -62.36          | -13              | -49.36           | -78.04                  | -75.36                   | 3.55                       | 18.70                       | H                     |
|                                      | 26538                | -59.90          | -13              | -46.90           | -78.71                  | -72.47                   | 3.93                       | 18.65                       | H                     |
|                                      |                      |                 |                  |                  |                         |                          |                            |                             | H                     |
|                                      | 7583                 | -43.02          | -13              | -30.02           | -72.19                  | -50.51                   | 1.90                       | 11.53                       | V                     |
|                                      | 11374                | -36.13          | -13              | -23.13           | -71.88                  | -42.58                   | 2.35                       | 10.95                       | V                     |
|                                      | 15165                | -28.67          | -13              | -15.67           | -70.84                  | -37.84                   | 2.60                       | 13.93                       | V                     |
|                                      | 18956                | -65.44          | -13              | -52.44           | -76.18                  | -77.18                   | 3.26                       | 17.14                       | V                     |
|                                      | 22747                | -62.71          | -13              | -49.71           | -78.01                  | -75.71                   | 3.55                       | 18.70                       | V                     |
|                                      | 26538                | -60.57          | -13              | -47.57           | -79                     | -73.14                   | 3.93                       | 18.65                       | V                     |
|                                      |                      |                 |                  |                  |                         |                          |                            |                             | V                     |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**MIMO <Ant. 3+1>****5G NR n77**

| 5G NR n77 / 100MHz / QPSK |                      |                 |                  |                  |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 7403                 | -42.35          | -13              | -29.35           | -71.81                  | -49.65                   | 1.94                       | 11.39                       | H                     |
|                           | 11104                | -37.80          | -13              | -24.80           | -73.12                  | -44.03                   | 2.24                       | 10.62                       | H                     |
|                           | 14805                | -30.09          | -13              | -17.09           | -71.71                  | -38.13                   | 2.58                       | 12.77                       | H                     |
|                           | 18506                | -64.39          | -13              | -51.39           | -75.67                  | -76.59                   | 3.24                       | 17.59                       | H                     |
|                           | 22207                | -62.22          | -13              | -49.22           | -77.05                  | -75.41                   | 3.52                       | 18.86                       | H                     |
|                           | 25908                | -60.11          | -13              | -47.11           | -78.07                  | -73.12                   | 3.92                       | 19.08                       | H                     |
|                           | 7403                 | -42.53          | -13              | -29.53           | -72.09                  | -49.83                   | 1.94                       | 11.39                       | V                     |
|                           | 11104                | -37.59          | -13              | -24.59           | -72.86                  | -43.82                   | 2.24                       | 10.62                       | V                     |
|                           | 14805                | -28.94          | -13              | -15.94           | -71.67                  | -36.98                   | 2.58                       | 12.77                       | V                     |
|                           | 18506                | -64.09          | -13              | -51.09           | -75.15                  | -76.29                   | 3.24                       | 17.59                       | V                     |
|                           | 22207                | -62.05          | -13              | -49.05           | -76.48                  | -75.24                   | 3.52                       | 18.86                       | V                     |
|                           | 25908                | -60.28          | -13              | -47.28           | -77.93                  | -73.29                   | 3.92                       | 19.08                       | V                     |
| Middle                    | 7583                 | -43.37          | -13              | -30.37           | -72.37                  | -50.86                   | 1.90                       | 11.53                       | H                     |
|                           | 11374                | -36.64          | -13              | -23.64           | -72.32                  | -43.09                   | 2.35                       | 10.95                       | H                     |
|                           | 15165                | -30.35          | -13              | -17.35           | -71.44                  | -39.52                   | 2.60                       | 13.93                       | H                     |
|                           | 18956                | -64.91          | -13              | -51.91           | -75.88                  | -76.65                   | 3.26                       | 17.14                       | H                     |
|                           | 22747                | -61.87          | -13              | -48.87           | -77.55                  | -74.87                   | 3.55                       | 18.70                       | H                     |
|                           | 26538                | -59.68          | -13              | -46.68           | -78.49                  | -72.25                   | 3.93                       | 18.65                       | H                     |
|                           | 7583                 | -43.07          | -13              | -30.07           | -72.23                  | -50.56                   | 1.90                       | 11.53                       | V                     |
|                           | 11374                | -36.71          | -13              | -23.71           | -72.46                  | -43.16                   | 2.35                       | 10.95                       | V                     |
|                           | 15165                | -29.32          | -13              | -16.32           | -71.49                  | -38.49                   | 2.60                       | 13.93                       | V                     |
|                           | 18956                | -64.91          | -13              | -51.91           | -75.65                  | -76.65                   | 3.26                       | 17.14                       | V                     |
|                           | 22747                | -61.82          | -13              | -48.82           | -77.12                  | -74.82                   | 3.55                       | 18.70                       | V                     |
|                           | 26538                | -59.74          | -13              | -46.74           | -78.17                  | -72.31                   | 3.93                       | 18.65                       | V                     |



|         |       |        |     |        |        |        |      |       |   |
|---------|-------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 7763  | -43.04 | -13 | -30.04 | -72.05 | -50.69 | 1.88 | 11.68 | H |
|         | 11644 | -35.83 | -13 | -22.83 | -72.32 | -42.84 | 2.46 | 11.62 | H |
|         | 15525 | -30.82 | -13 | -17.82 | -70.91 | -41.44 | 2.70 | 15.47 | H |
|         | 19406 | -64.15 | -13 | -51.15 | -75.86 | -76.20 | 3.23 | 17.42 | H |
|         | 23287 | -60.21 | -13 | -47.21 | -76.52 | -73.08 | 3.63 | 18.66 | H |
|         | 27168 | -59.10 | -13 | -46.10 | -78.94 | -72.39 | 3.93 | 19.37 | H |
|         | 7763  | -42.76 | -13 | -29.76 | -72.04 | -50.41 | 1.88 | 11.68 | V |
|         | 11644 | -35.22 | -13 | -22.22 | -71.62 | -42.23 | 2.46 | 11.62 | V |
|         | 15525 | -30.64 | -13 | -17.64 | -71    | -41.26 | 2.70 | 15.47 | V |
|         | 19406 | -64.65 | -13 | -51.65 | -76.1  | -76.70 | 3.23 | 17.42 | V |
|         | 23287 | -60.91 | -13 | -47.91 | -76.89 | -73.78 | 3.63 | 18.66 | V |
|         | 27168 | -59.37 | -13 | -46.37 | -78.85 | -72.66 | 3.93 | 19.37 | V |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

————THE END————