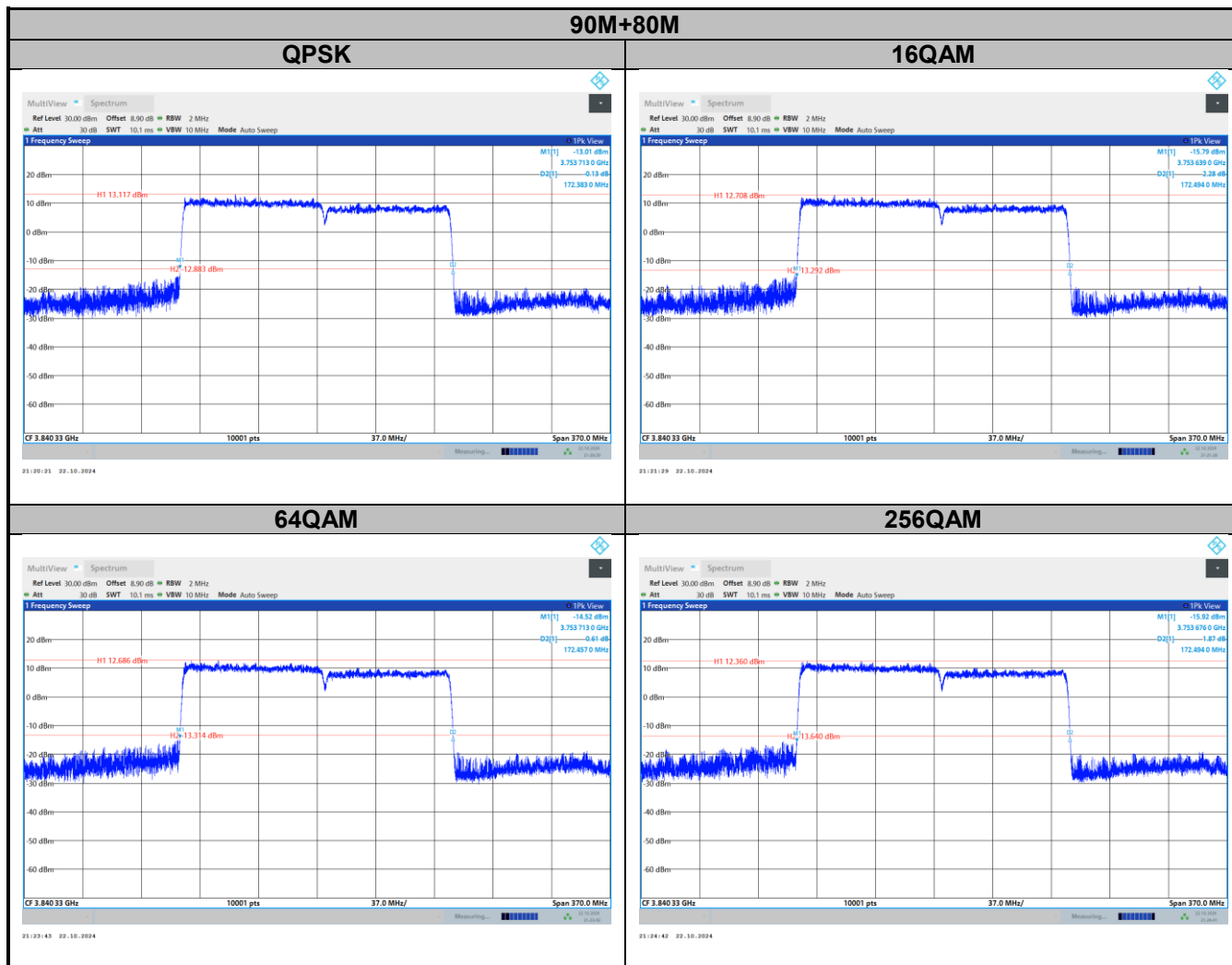
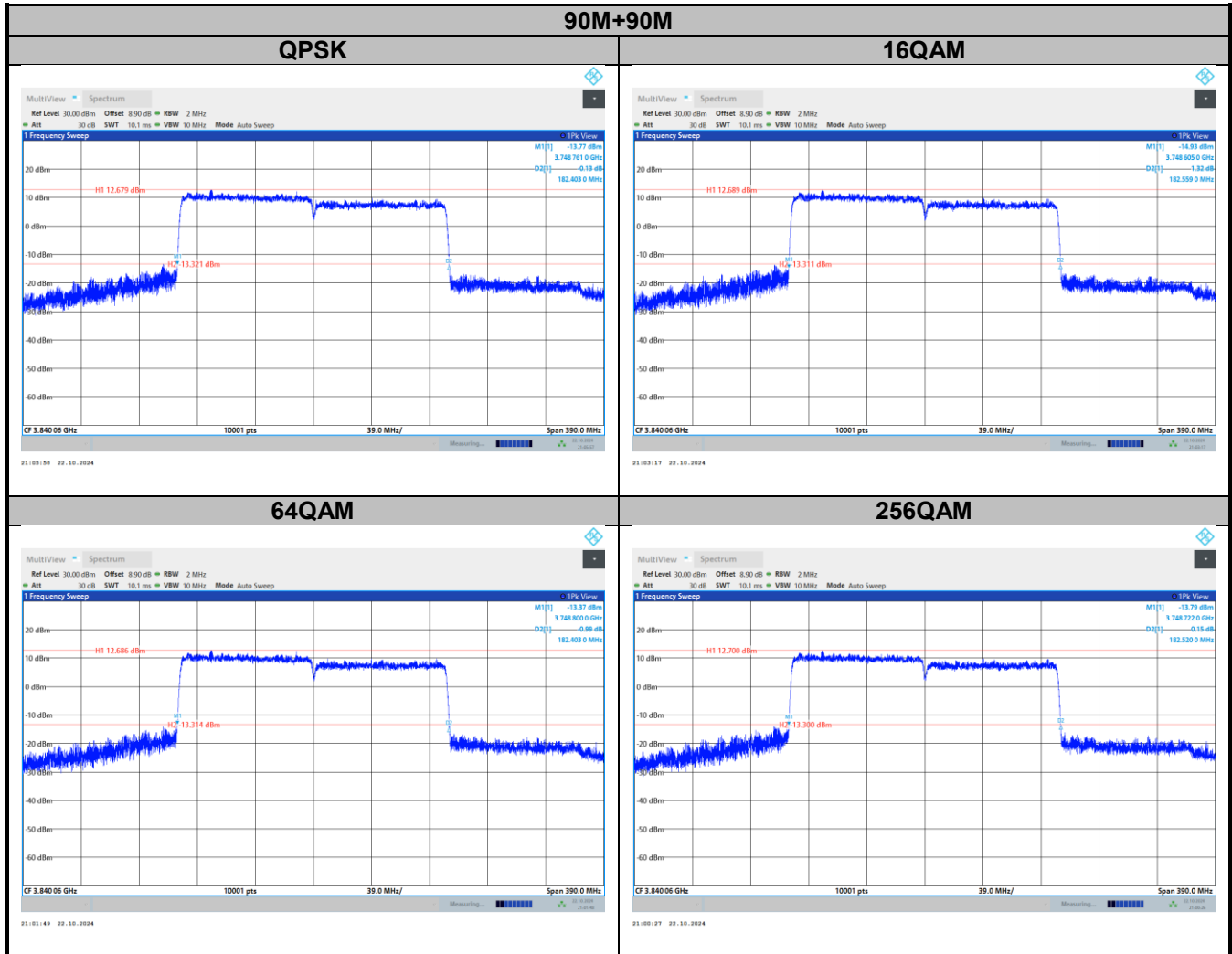
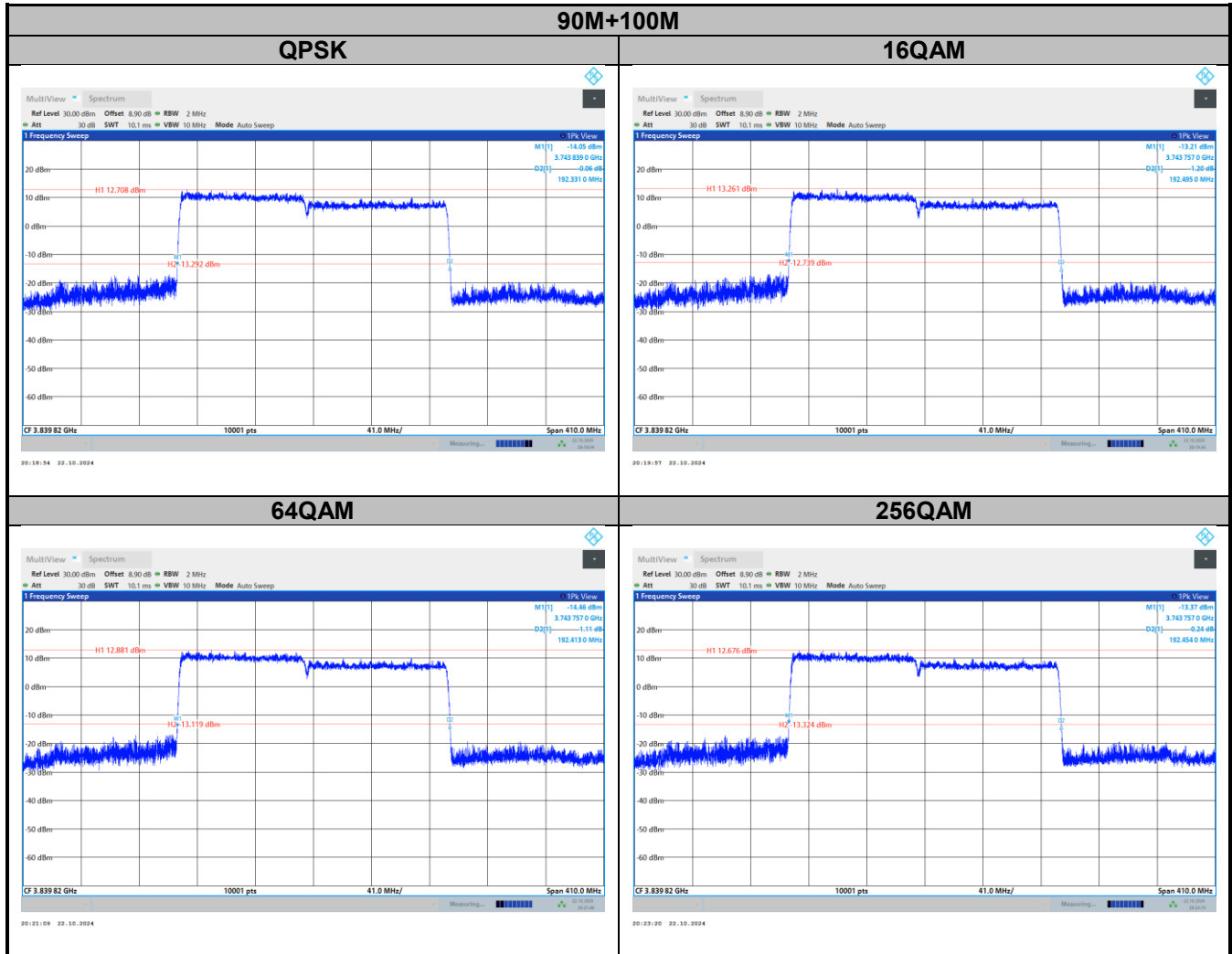


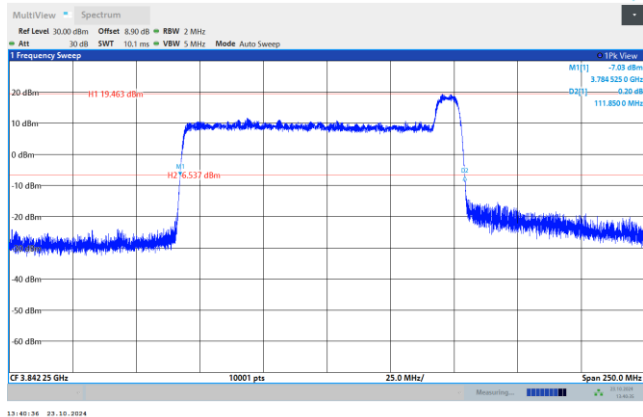




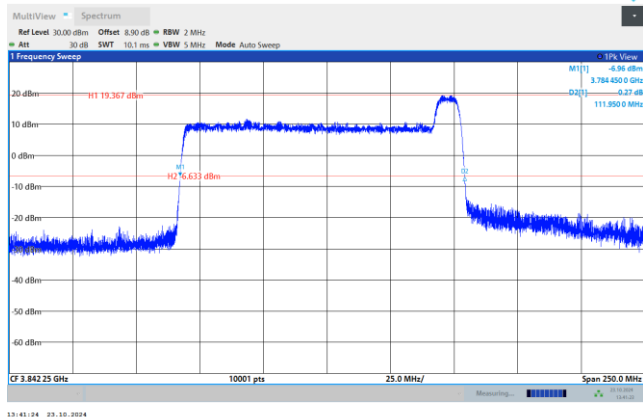




## 16QAM



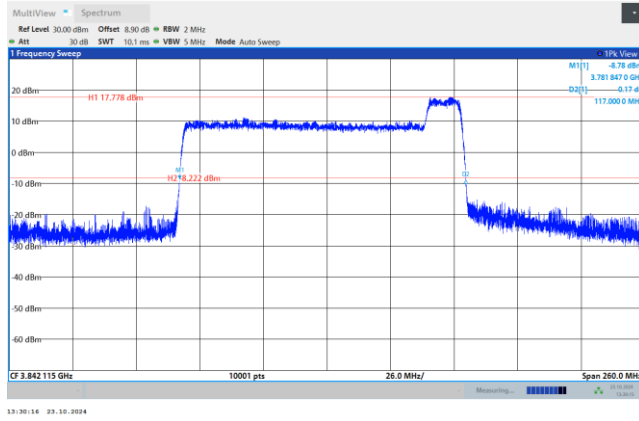
## 256QAM



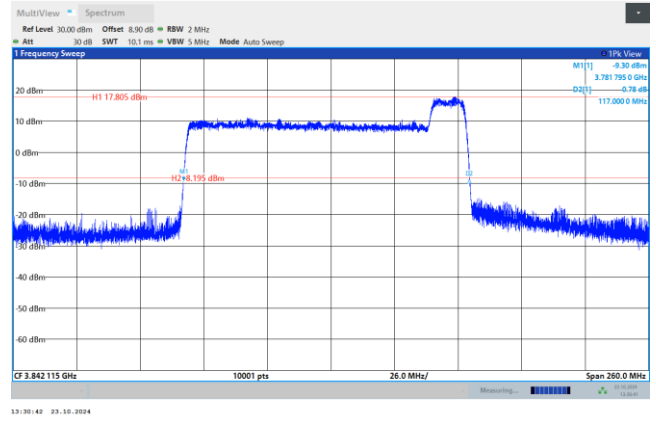


100M+15M

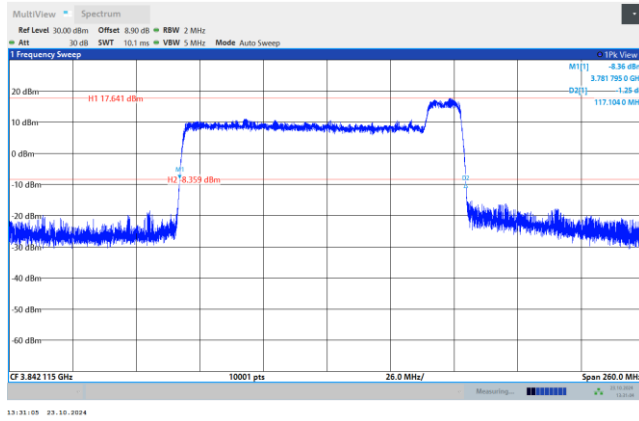
QPSK



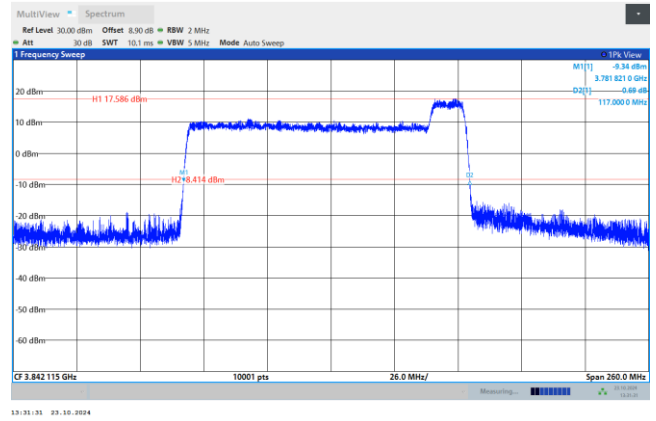
16QAM



64QAM



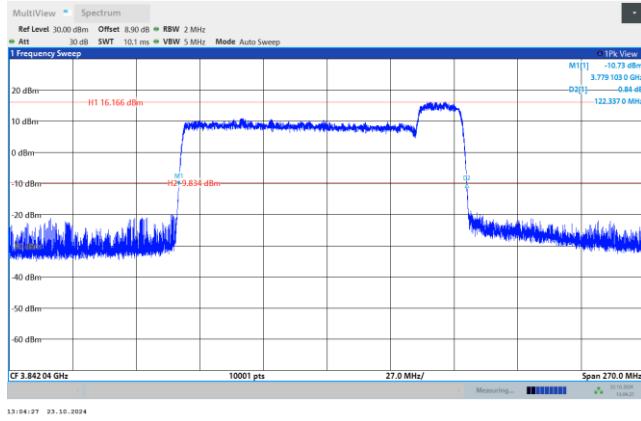
256QAM



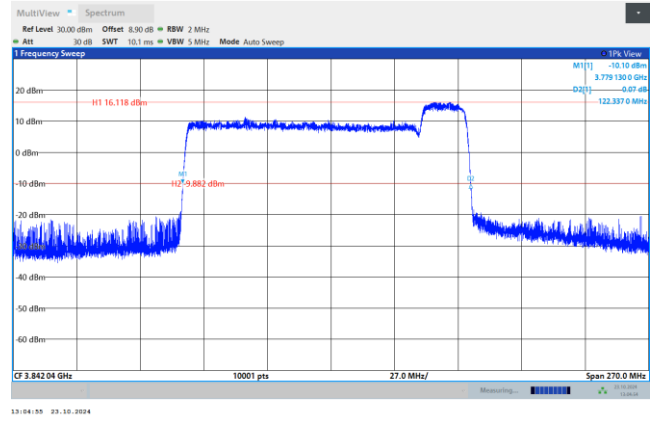


100M+20M

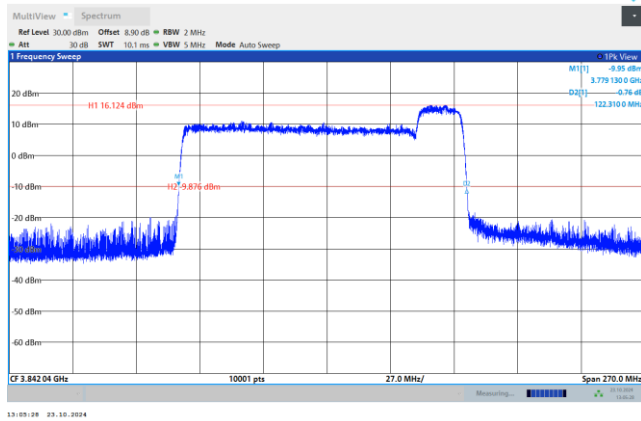
QPSK



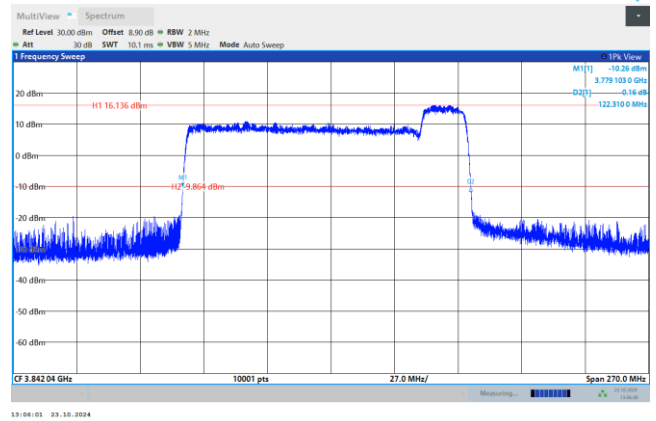
16QAM



64QAM



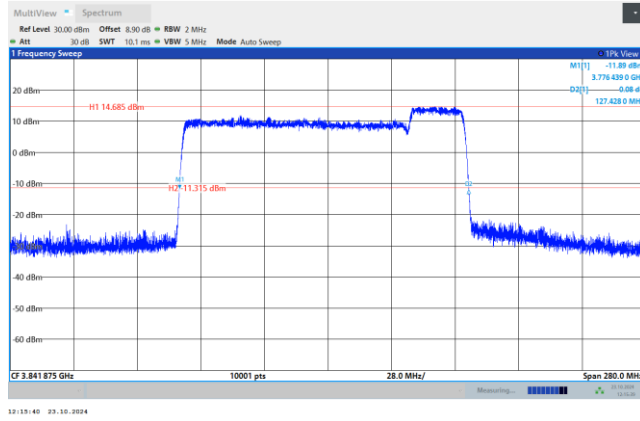
256QAM



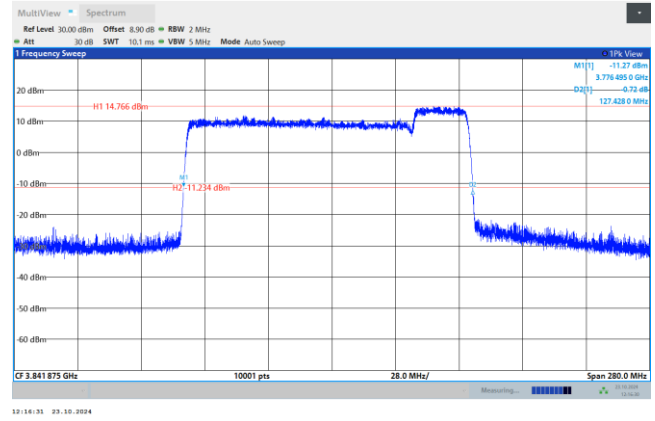


100M+25M

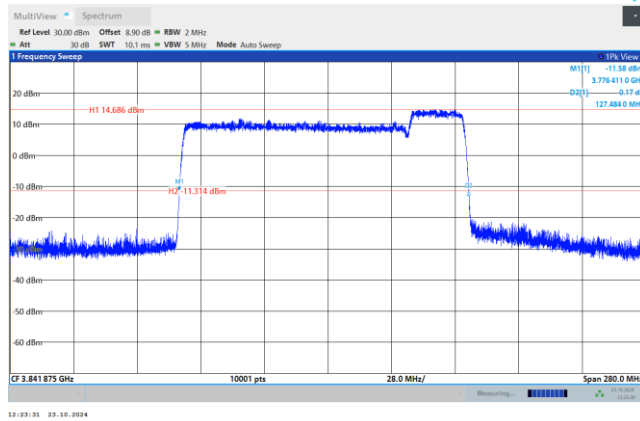
QPSK



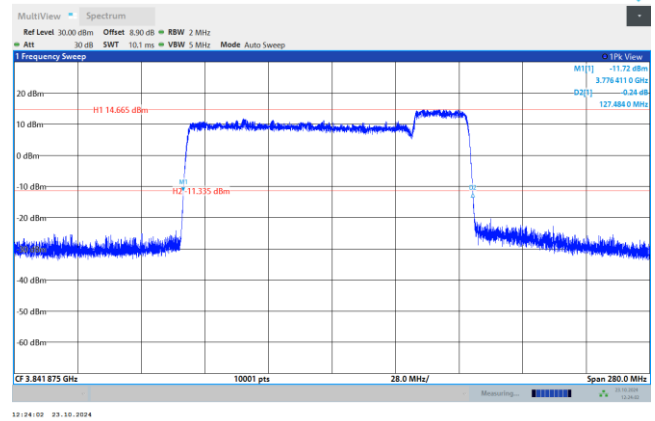
16QAM



64QAM



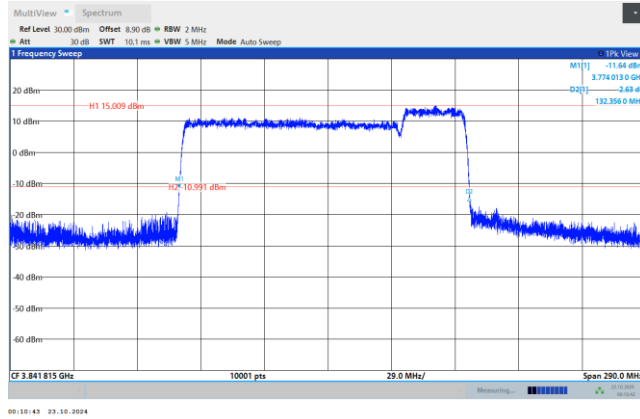
256QAM



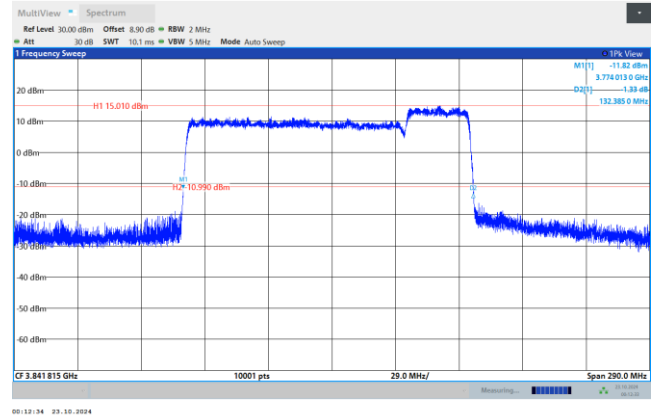


100M+30M

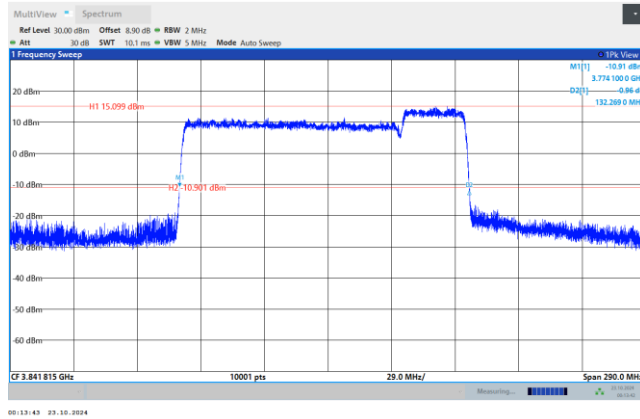
QPSK



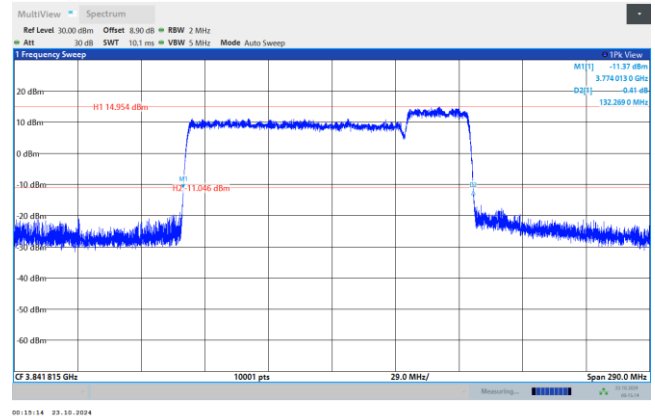
16QAM



64QAM



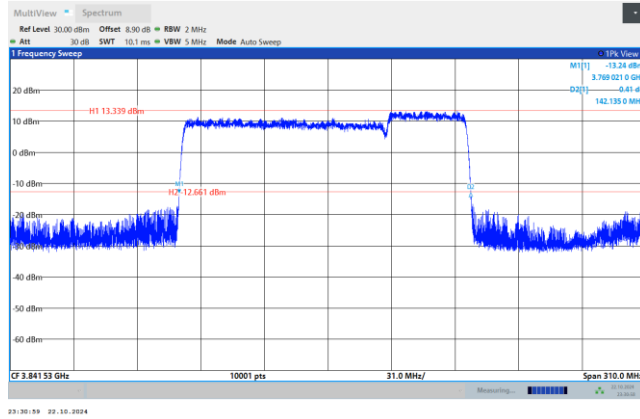
256QAM



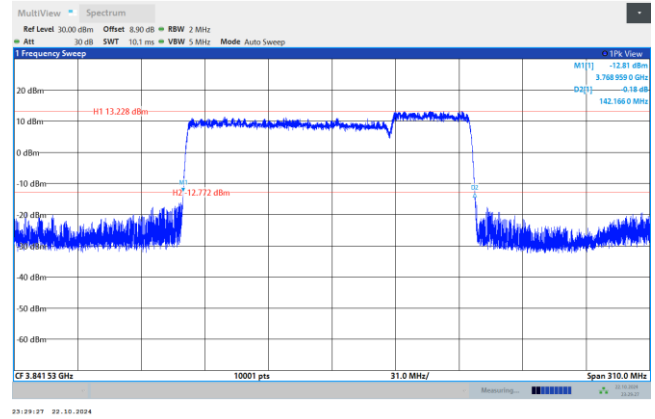


100M+40M

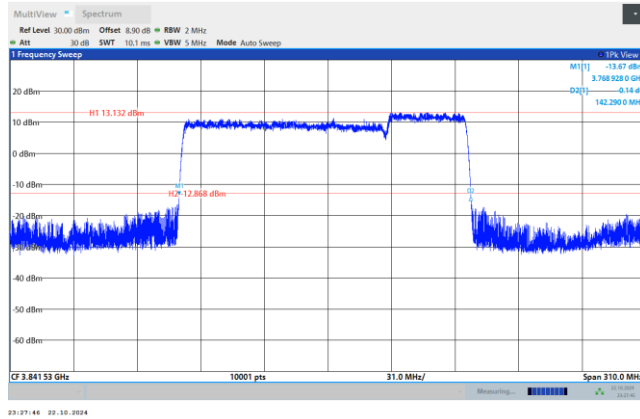
QPSK



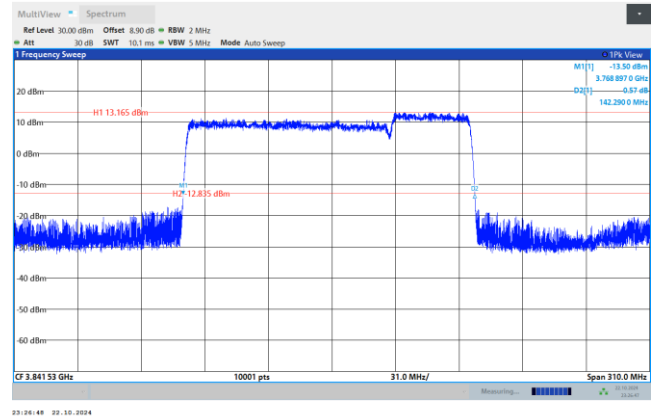
16QAM

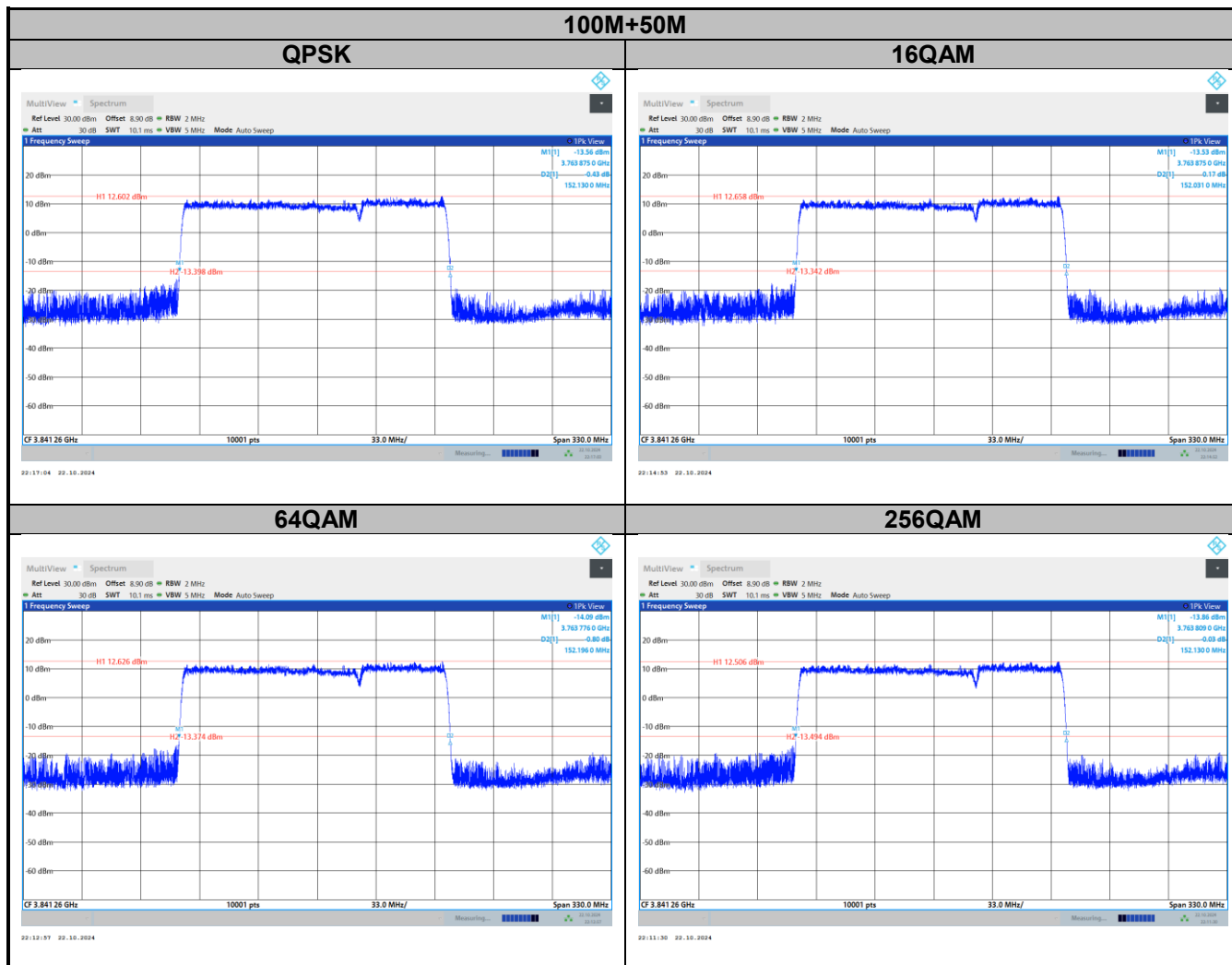


64QAM



256QAM

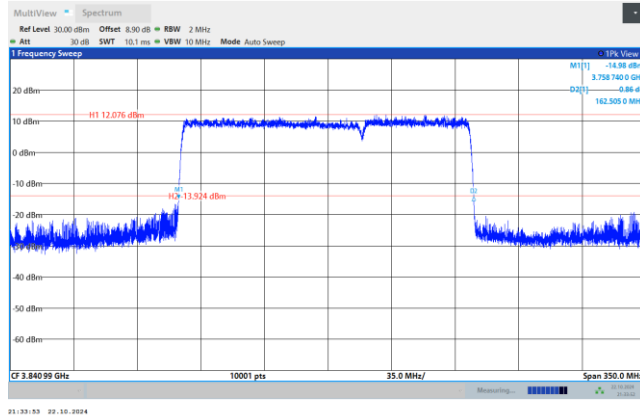




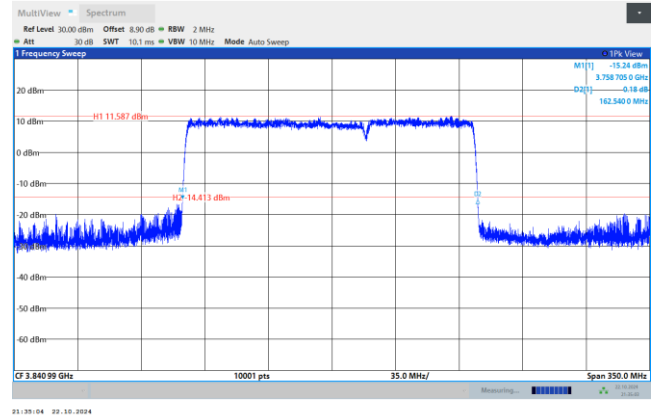


100M+60M

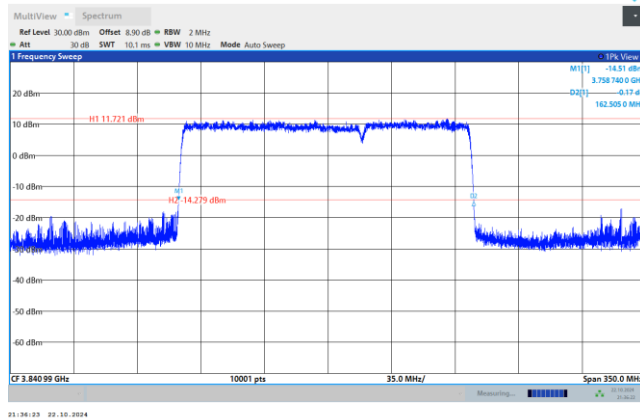
QPSK



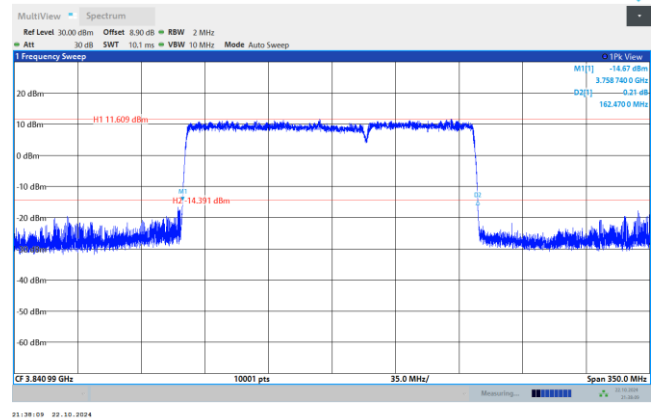
16QAM

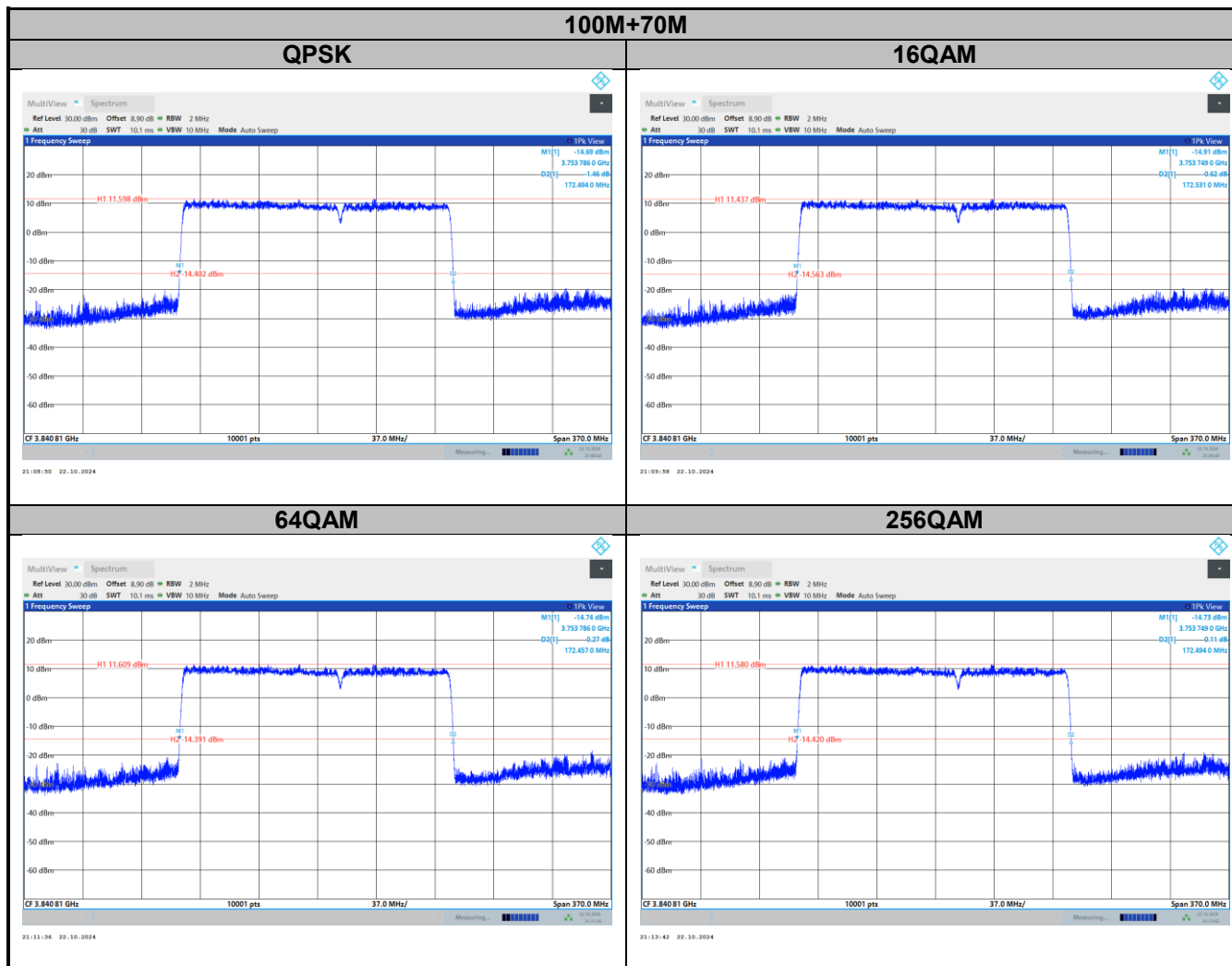


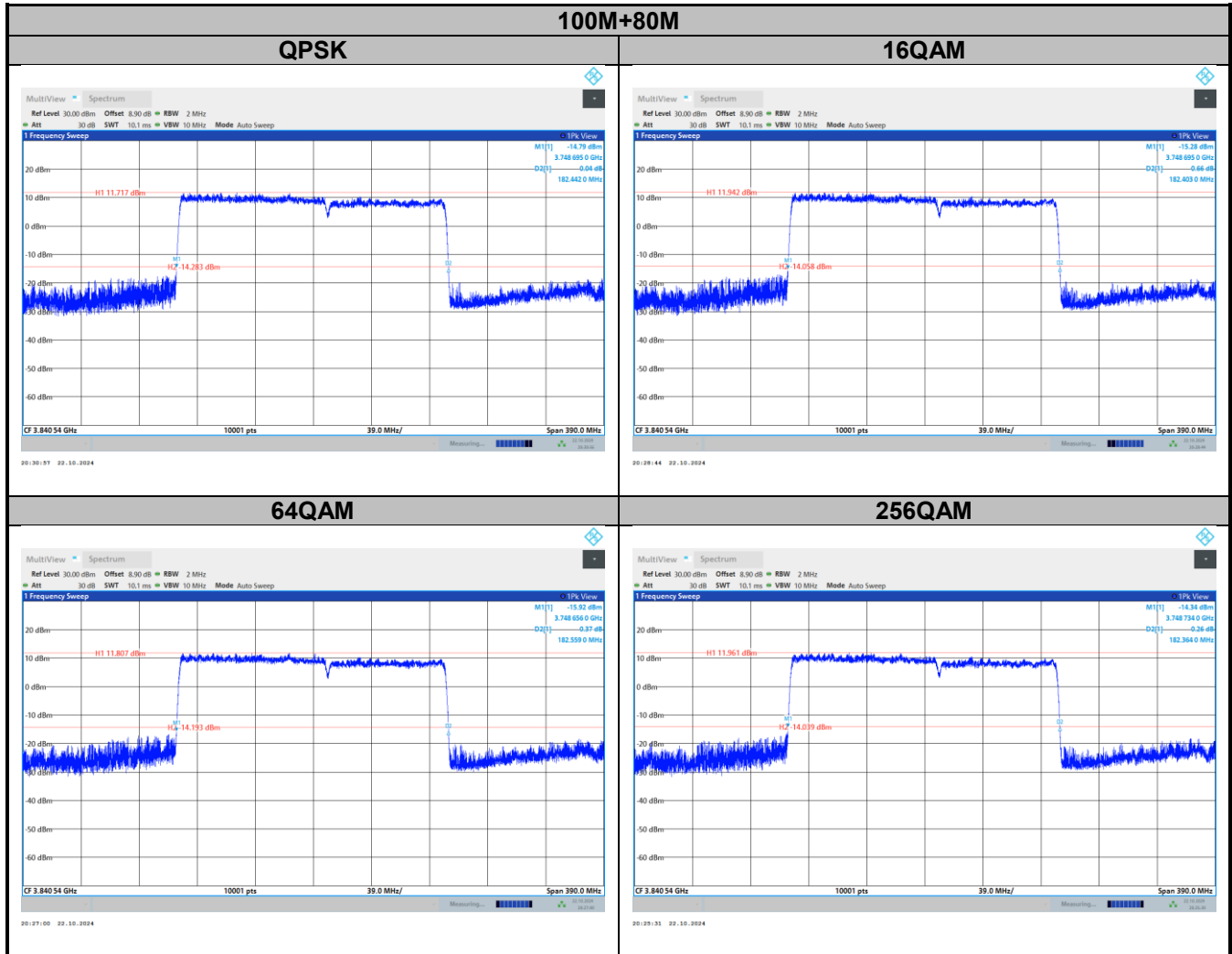
64QAM

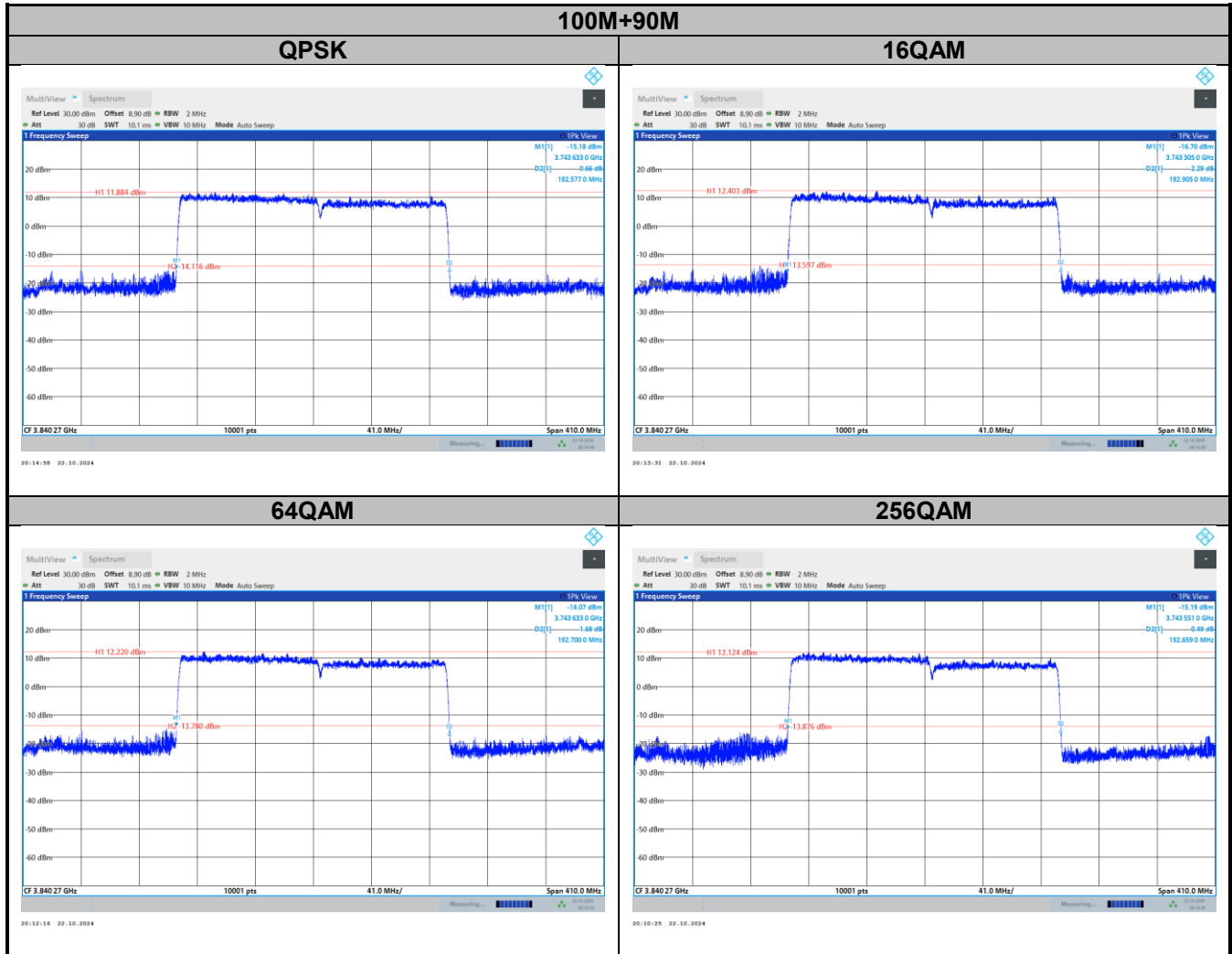


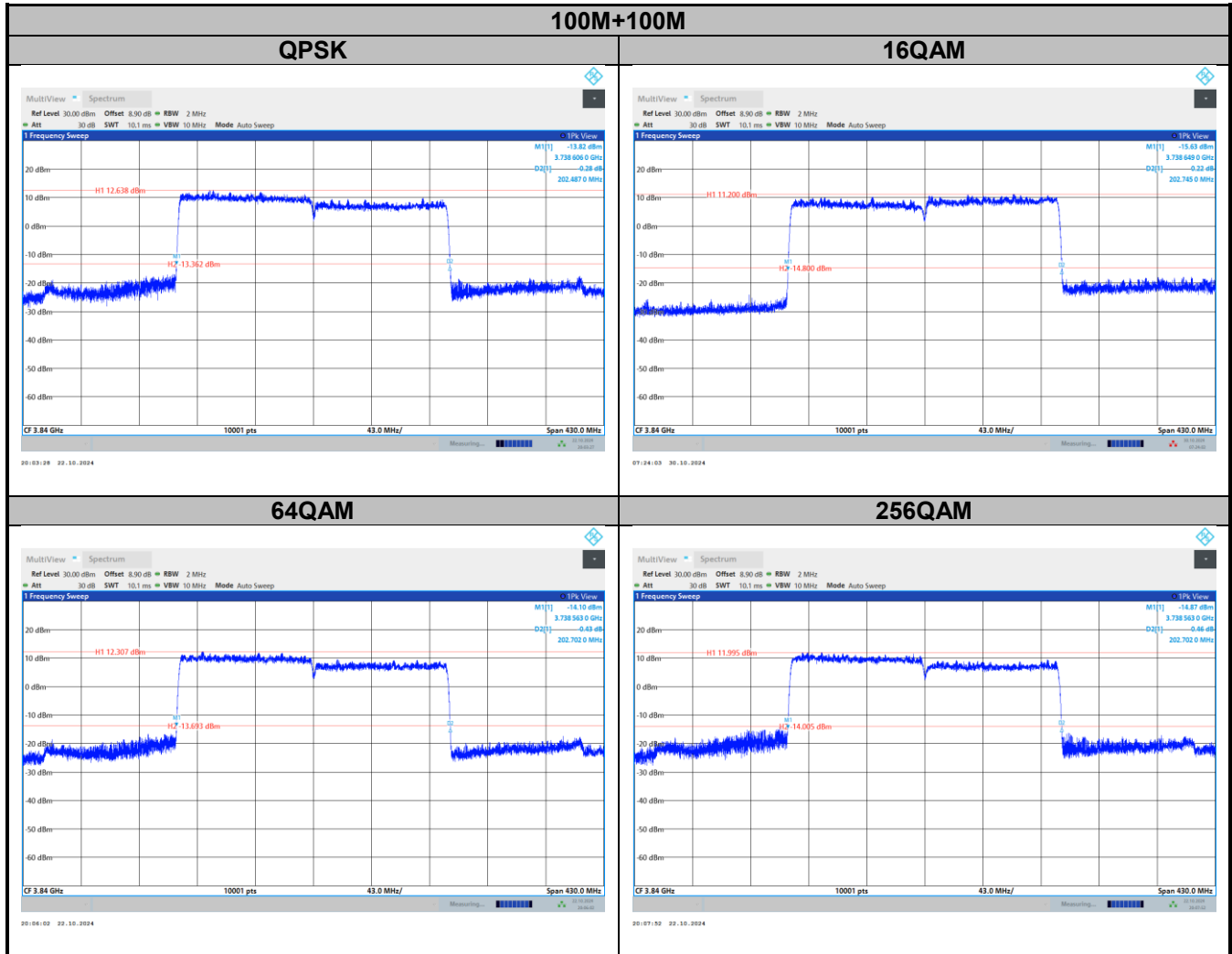
256QAM











**Occupied Bandwidth**

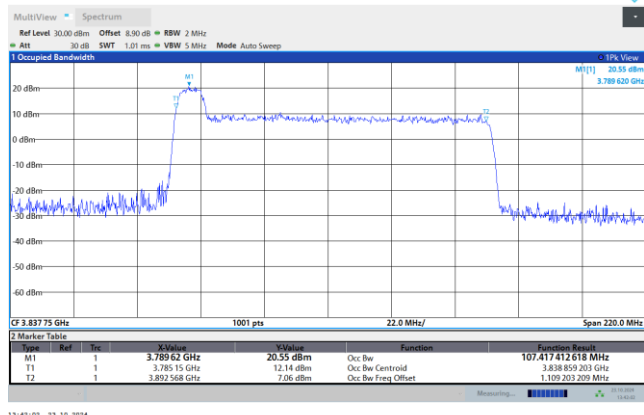
| Mode       | FCC P27O-N77C : 99%OBW (MHz) |             |              |             |              |
|------------|------------------------------|-------------|--------------|-------------|--------------|
| Modulation | 10MHz+100MHz                 | 15MHz+90MHz | 15MHz+100MHz | 20MHz+90MHz | 20MHz+100MHz |
| QPSK       | 107.417                      | 102.414     | 112.316      | 107.331     | 116.725      |
| 16QAM      | 107.293                      | 102.467     | 111.842      | 107.156     | 116.795      |
| 64QAM      | 107.364                      | 102.517     | 111.961      | 107.098     | 116.811      |
| 256QAM     | 107.431                      | 102.274     | 111.866      | 107.211     | 116.698      |
| Modulation | 25MHz+80MHz                  | 25MHz+90MHz | 25MHz+100MHz | 30MHz+80MHz | 30MHz+90MHz  |
| QPSK       | 102.411                      | 112.403     | 121.778      | 107.076     | 116.776      |
| 16QAM      | 102.599                      | 112.343     | 121.723      | 107.037     | 116.834      |
| 64QAM      | 102.635                      | 112.235     | 121.729      | 107.045     | 116.814      |
| 256QAM     | 102.524                      | 112.158     | 121.804      | 107.046     | 116.679      |
| Modulation | 30MHz+100MHz                 | 40MHz+70MHz | 40MHz+80MHz  | 40MHz+90MHz | 40MHz+100MHz |
| QPSK       | 127.726                      | 106.99      | 116.667      | 126.713     | 136.59       |
| 16QAM      | 127.737                      | 107.324     | 116.927      | 126.541     | 136.603      |
| 64QAM      | 127.802                      | 107.285     | 117.056      | 126.75      | 136.628      |
| 256QAM     | 127.757                      | 107.178     | 117.195      | 126.678     | 136.483      |
| Modulation | 50MHz+60MHz                  | 50MHz+70MHz | 50MHz+80MHz  | 50MHz+90MHz | 50MHz+100MHz |
| QPSK       | 107.253                      | 116.801     | 126.403      | 136.461     | 146.135      |
| 16QAM      | 107.352                      | 116.67      | 126.461      | 136.386     | 146.126      |
| 64QAM      | 107.37                       | 116.772     | 126.458      | 136.409     | 146.079      |
| 256QAM     | 107.13                       | 116.757     | 126.337      | 136.31      | 146.147      |
| Modulation | 60MHz+50MHz                  | 60MHz+60MHz | 60MHz+70MHz  | 60MHz+80MHz | 60MHz+90MHz  |
| QPSK       | 107.169                      | 117.472     | 126.988      | 136.665     | 147.114      |
| 16QAM      | 106.977                      | 117.244     | 127.092      | 136.876     | 147.104      |
| 64QAM      | 107.184                      | 117.092     | 127.083      | 136.806     | 147.003      |
| 256QAM     | 107.158                      | 117.403     | 126.902      | 136.55      | 147.089      |
| Modulation | 60MHz+100MHz                 | 70MHz+40MHz | 70MHz+50MHz  | 70MHz+60MHz | 70MHz+70MHz  |
| QPSK       | 156.603                      | 107.293     | 116.944      | 126.552     | 137.034      |
| 16QAM      | 156.442                      | 107.446     | 116.935      | 126.659     | 136.966      |
| 64QAM      | 156.422                      | 107.429     | 116.947      | 126.696     | 136.995      |
| 256QAM     | 156.505                      | 107.347     | 116.977      | 126.58      | 136.995      |



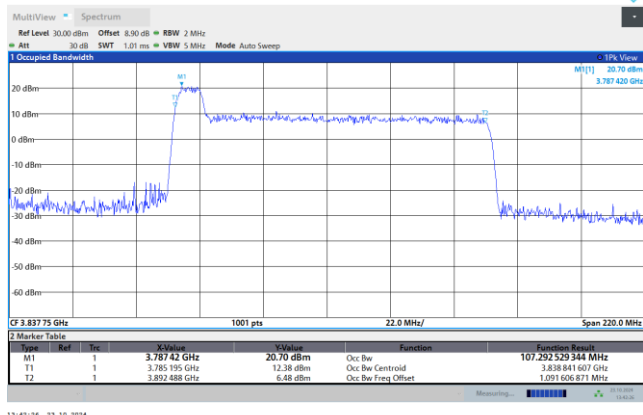
| Modulation | 70MHz+80MHz  | 70MHz+90MHz  | 70MHz+100MHz | 80MHz+25MHz  | 80MHz+30MHz   |
|------------|--------------|--------------|--------------|--------------|---------------|
| QPSK       | 146.428      | 156.773      | 166.31       | 102.648      | 107.348       |
| 16QAM      | 146.456      | 156.685      | 166.393      | 102.633      | 107.267       |
| 64QAM      | 146.628      | 156.626      | 166.381      | 102.478      | 107.16        |
| 256QAM     | 146.646      | 156.702      | 166.439      | 102.509      | 107.223       |
| Modulation | 80MHz+40MHz  | 80MHz+50MHz  | 80MHz+60MHz  | 80MHz+70MHz  | 80MHz+80MHz   |
| QPSK       | 117.02       | 126.609      | 137.169      | 146.71       | 156.9         |
| 16QAM      | 116.993      | 126.766      | 137.118      | 146.741      | 157.063       |
| 64QAM      | 116.922      | 126.86       | 137.058      | 146.769      | 157.072       |
| 256QAM     | 117          | 126.787      | 137.071      | 146.693      | 156.974       |
| Modulation | 80MHz+90MHz  | 80MHz+100MHz | 90MHz+15MHz  | 90MHz+20MHz  | 90MHz+25MHz   |
| QPSK       | 166.804      | 176.466      | 102.786      | 107.631      | 112.483       |
| 16QAM      | 166.896      | 176.431      | 102.642      | 107.893      | 112.421       |
| 64QAM      | 166.806      | 176.49       | 102.658      | 107.62       | 112.426       |
| 256QAM     | 166.93       | 176.353      | 102.658      | 107.656      | 112.519       |
| Modulation | 90MHz+30MHz  | 90MHz+40MHz  | 90MHz+50MHz  | 90MHz+60MHz  | 90MHz+70MHz   |
| QPSK       | 117.157      | 126.983      | 136.577      | 147.331      | 156.708       |
| 16QAM      | 117.148      | 127          | 136.562      | 147.441      | 156.67        |
| 64QAM      | 117.064      | 127.078      | 136.631      | 147.021      | 156.593       |
| 256QAM     | 117.197      | 126.998      | 136.512      | 147.134      | 156.658       |
| Modulation | 90MHz+80MHz  | 90MHz+90MHz  | 90MHz+100MHz | 100MHz+10MHz | 100MHz+15MHz  |
| QPSK       | 166.9        | 176.804      | 186.698      | 108.18       | 112.955       |
| 16QAM      | 166.869      | 176.756      | 186.415      | 108.136      | 112.931       |
| 64QAM      | 167.115      | 176.738      | 186.723      | 108.113      | 112.834       |
| 256QAM     | 166.972      | 176.793      | 186.701      | 107.941      | 112.768       |
| Modulation | 100MHz+20MHz | 100MHz+25MHz | 100MHz+30MHz | 100MHz+40MHz | 100MHz+50MHz  |
| QPSK       | 117.94       | 122.72       | 127.727      | 137.028      | 146.688       |
| 16QAM      | 117.804      | 122.758      | 127.747      | 137.153      | 146.621       |
| 64QAM      | 117.721      | 122.712      | 127.631      | 137.103      | 146.622       |
| 256QAM     | 117.979      | 122.76       | 127.734      | 137.094      | 146.673       |
| Modulation | 100MHz+60MHz | 100MHz+70MHz | 100MHz+80MHz | 100MHz+90MHz | 100MHz+100MHz |
| QPSK       | 157.116      | 166.88       | 177          | 186.804      | 196.596       |
| 16QAM      | 157.021      | 166.759      | 176.835      | 186.688      | 196.653       |
| 64QAM      | 157.055      | 166.956      | 176.884      | 186.715      | 196.528       |
| 256QAM     | 157.104      | 166.869      | 176.917      | 186.672      | 196.688       |

FCC P270-N77C  
10M+100M

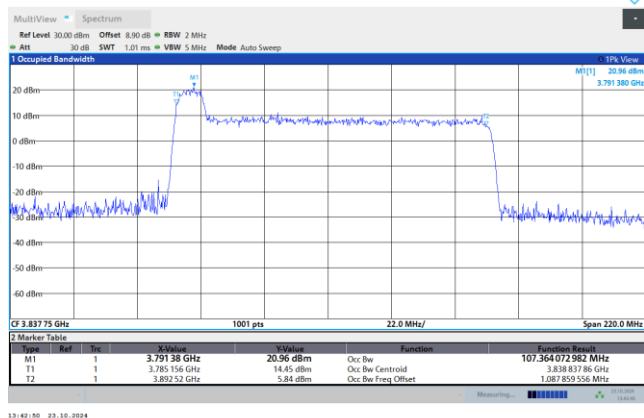
## QPSK



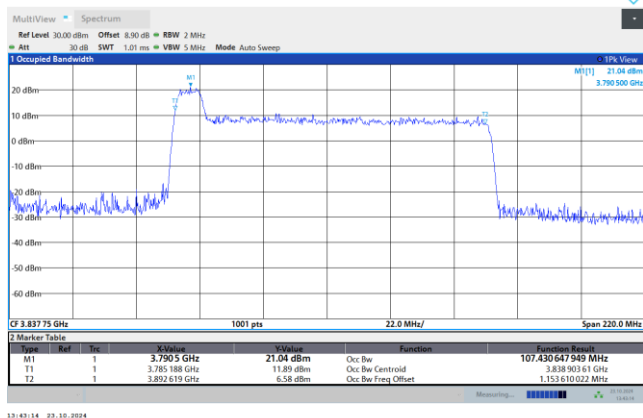
## 16QAM

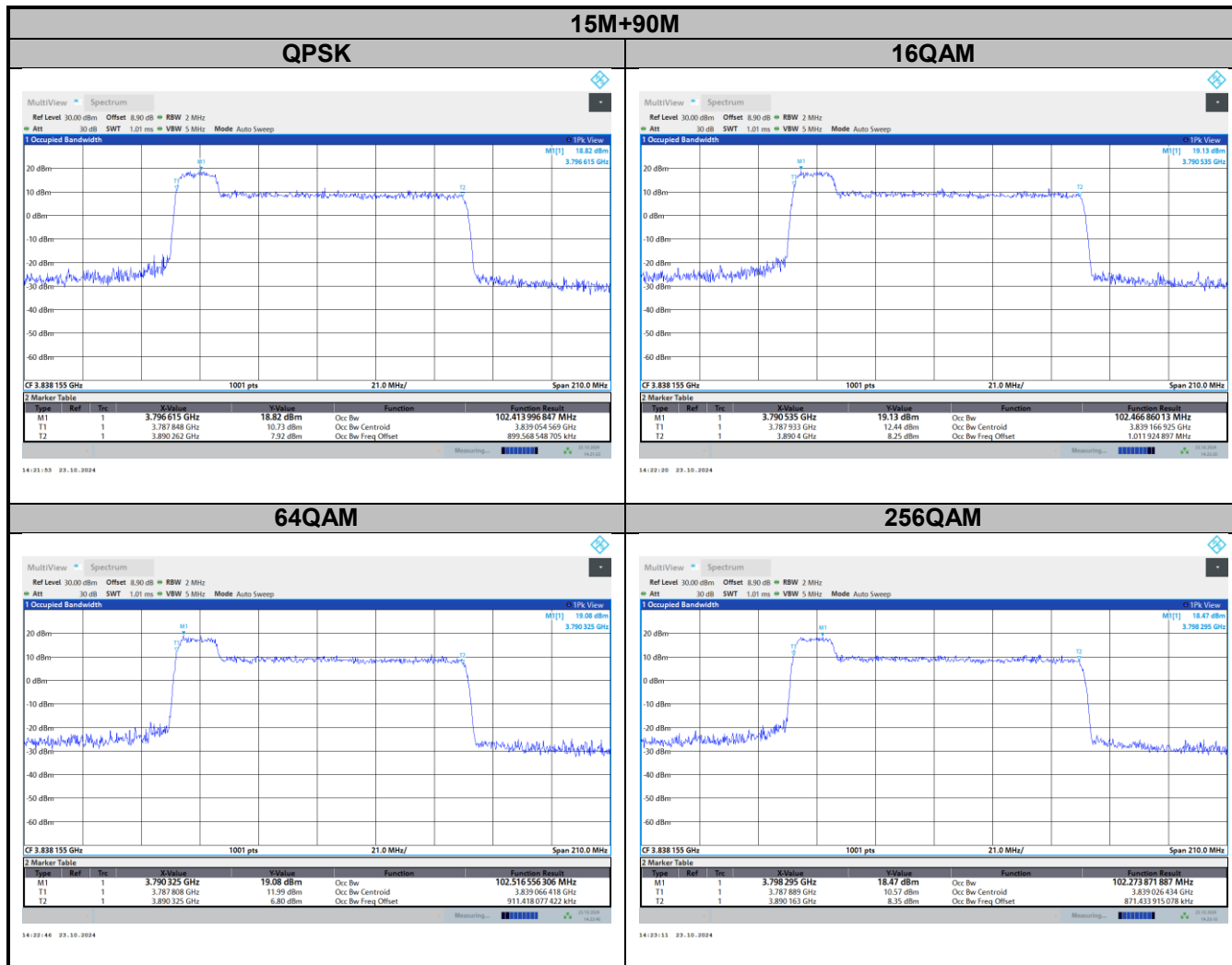


## 64QAM



## 256QAM

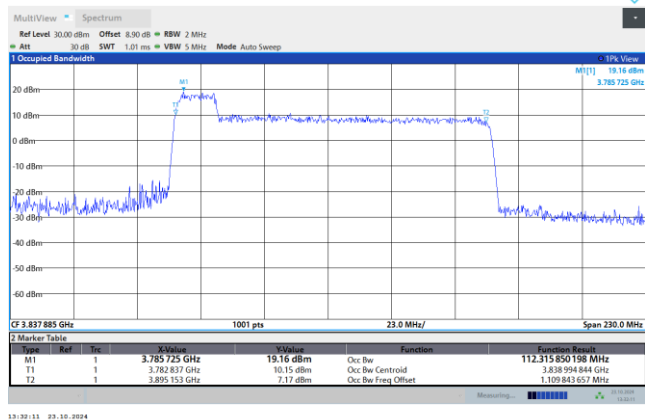




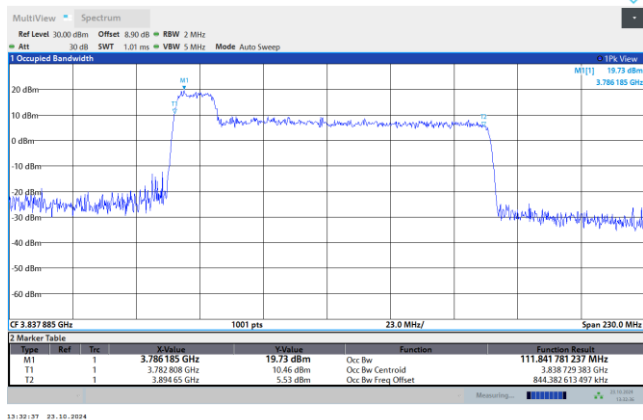


## 15M+100M

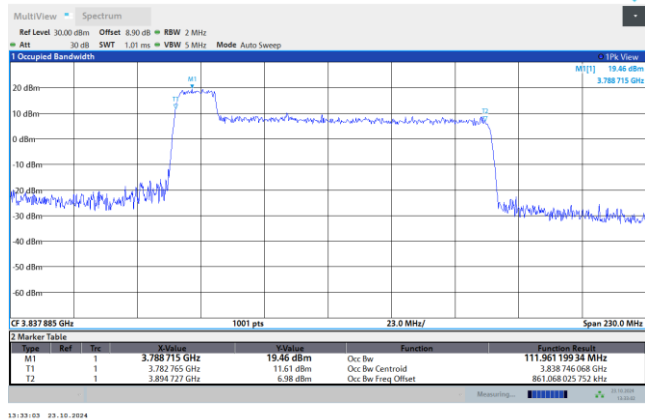
## QPSK



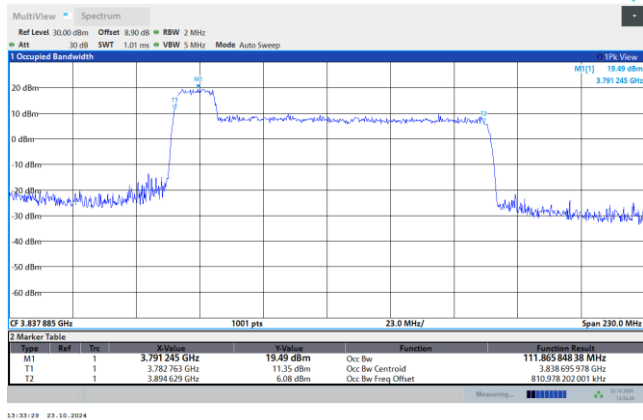
## 16QAM

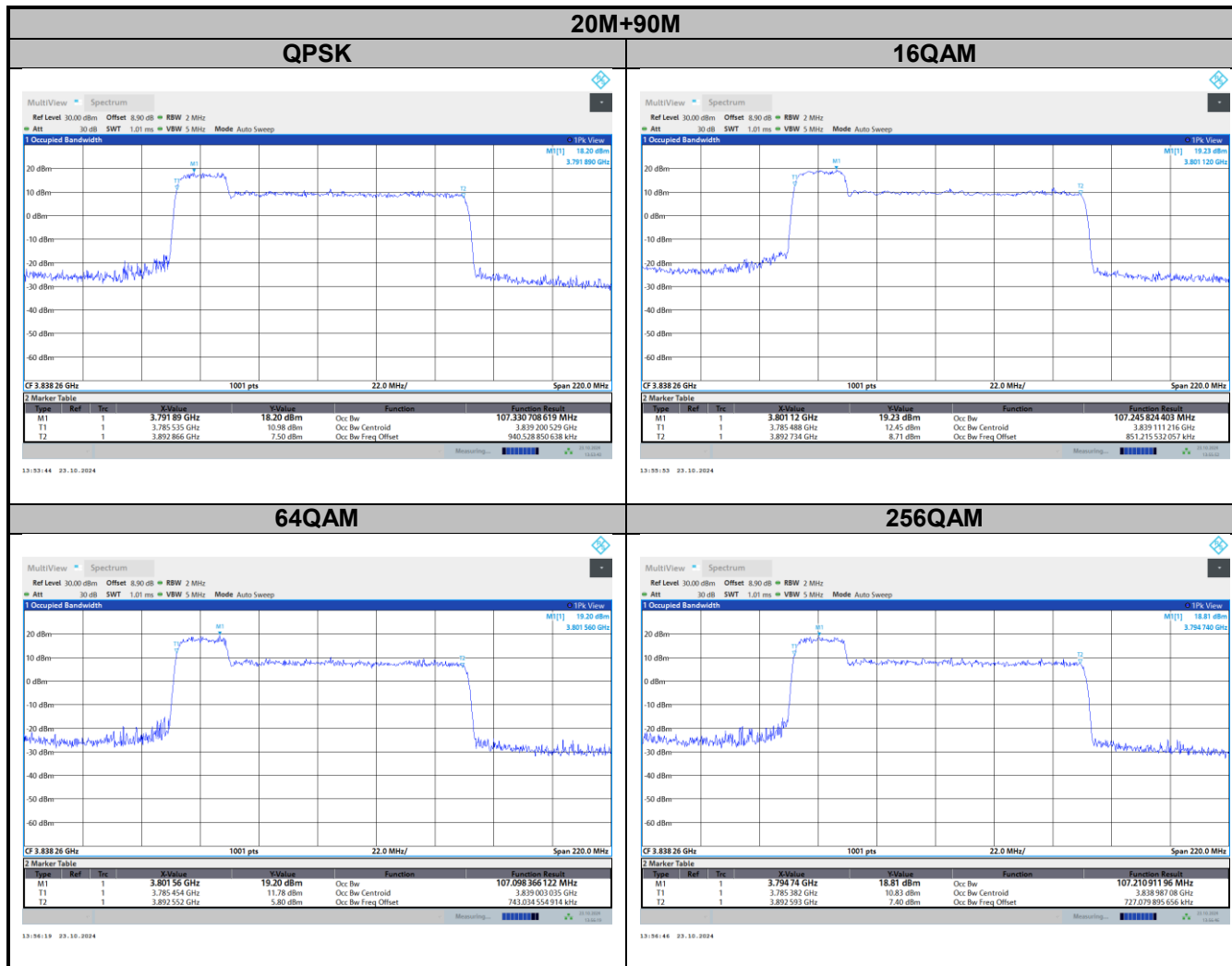


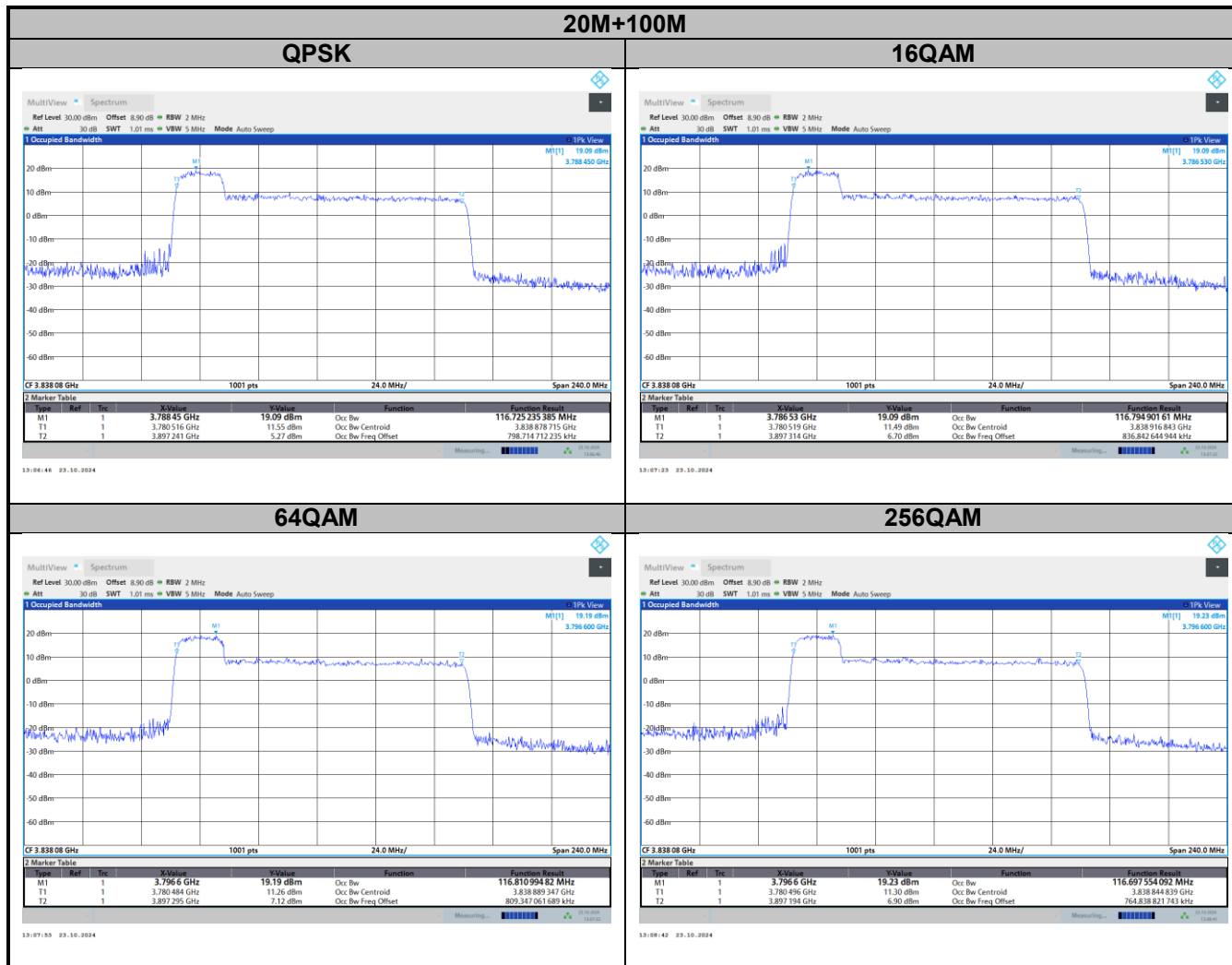
## 64QAM

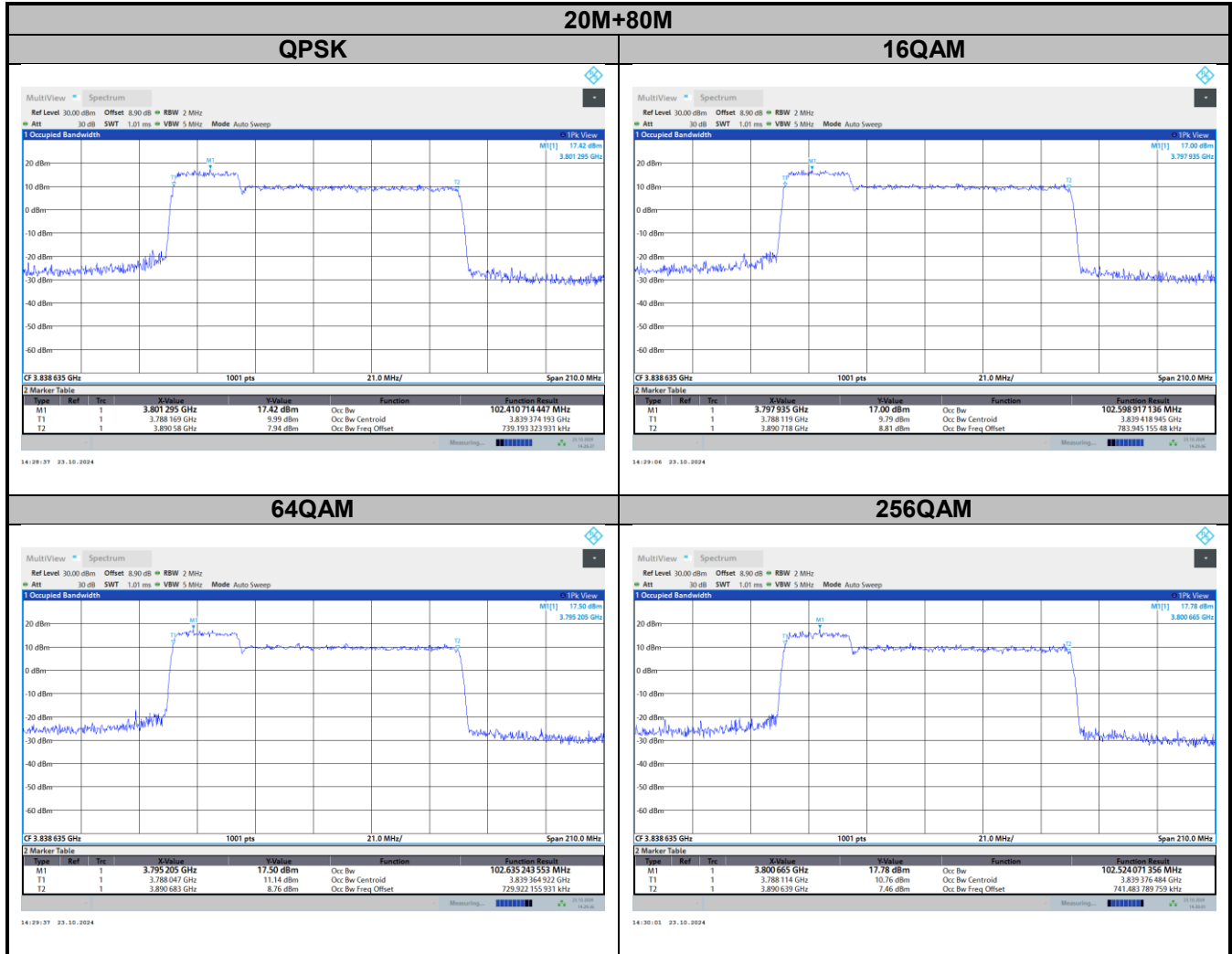


## 256QAM





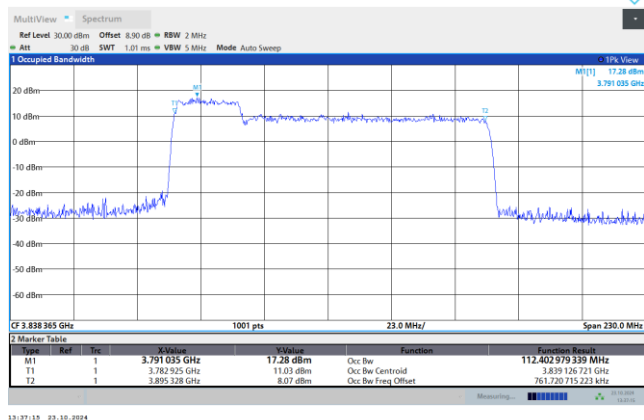




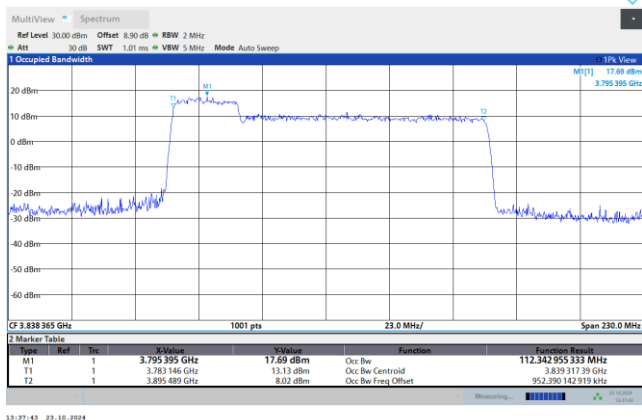


## 25M+90M

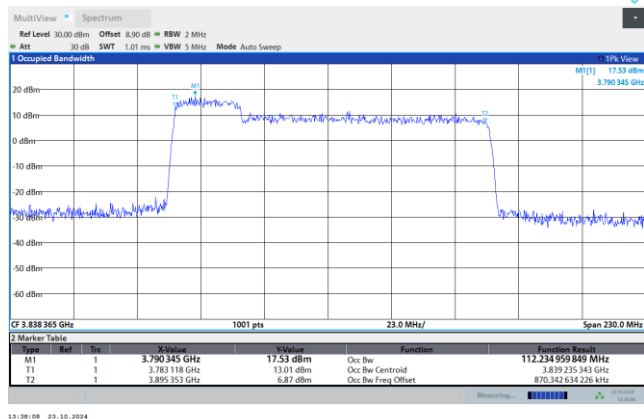
## QPSK



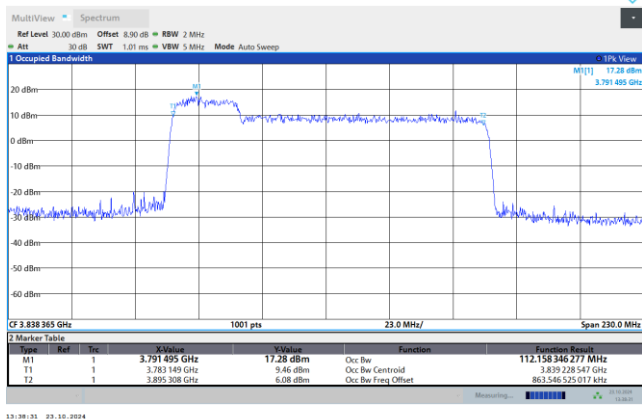
## 16QAM



## 64QAM



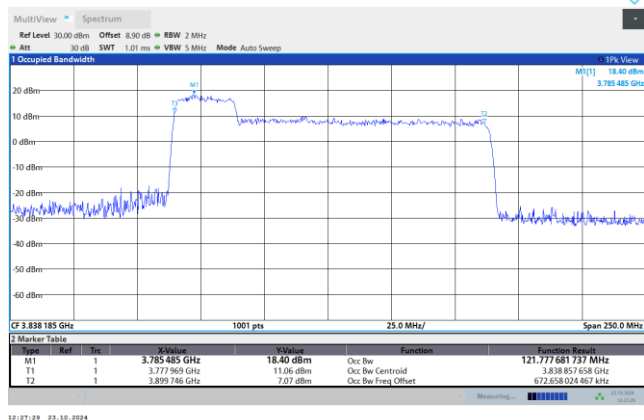
## 256QAM



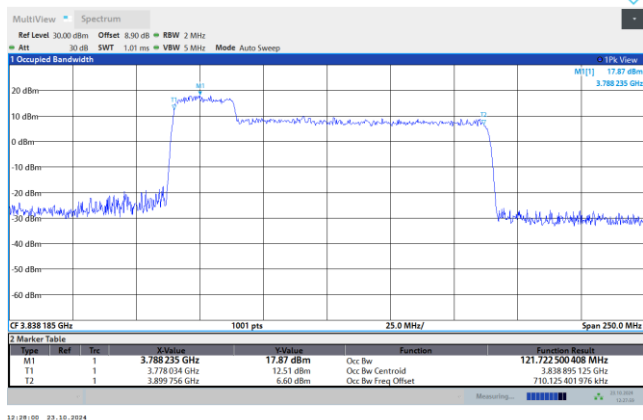


## 25M+100M

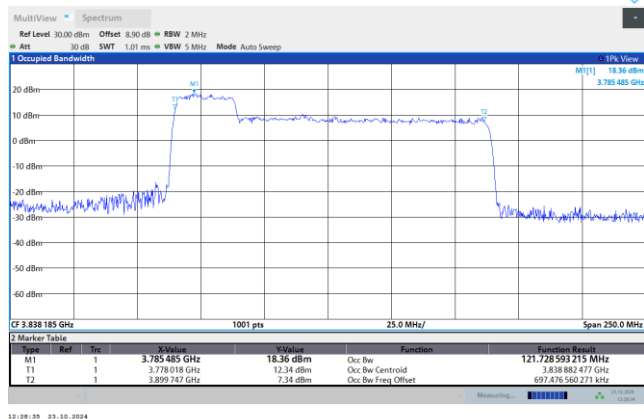
## QPSK



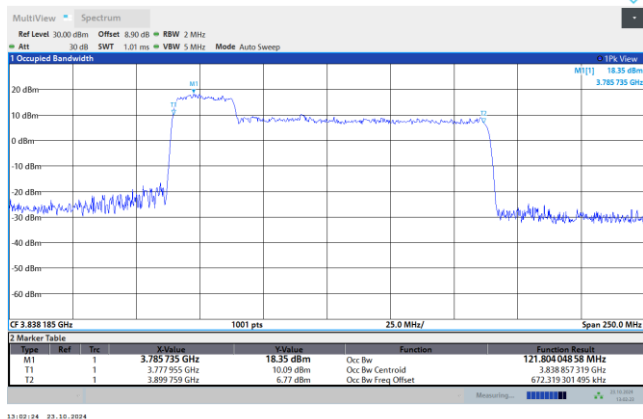
## 16QAM



## 64QAM



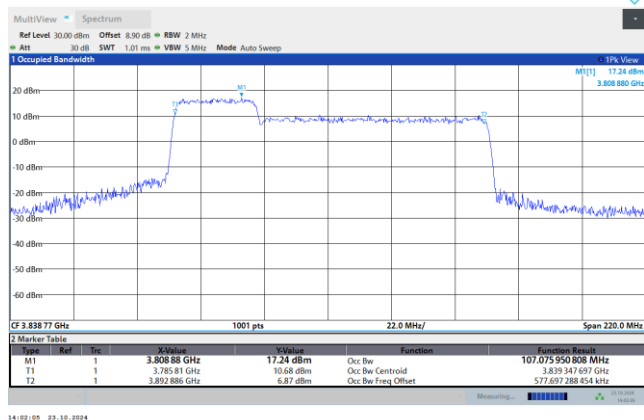
## 256QAM



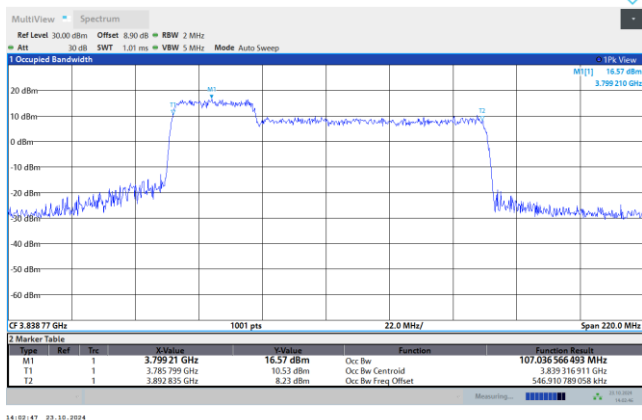


## 30M+80M

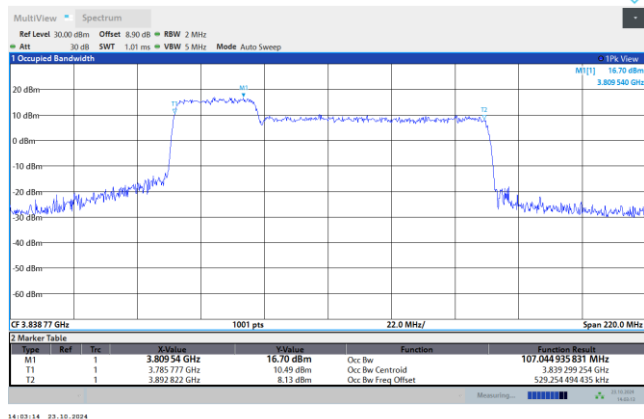
## QPSK



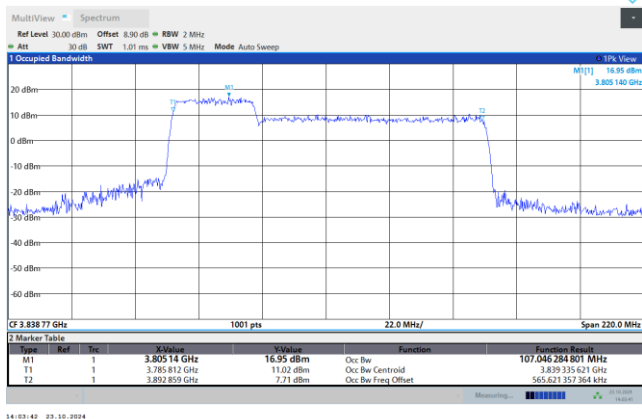
## 16QAM



## 64QAM



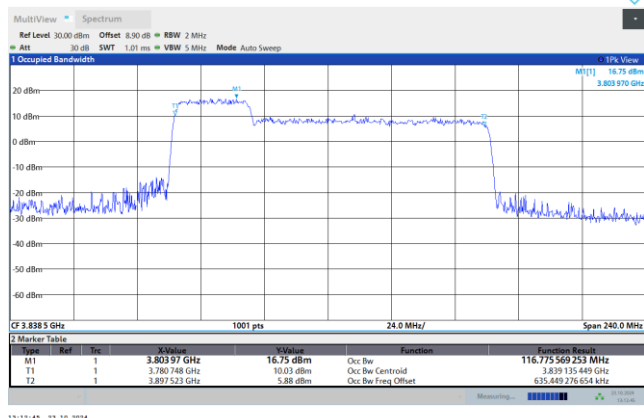
## 256QAM



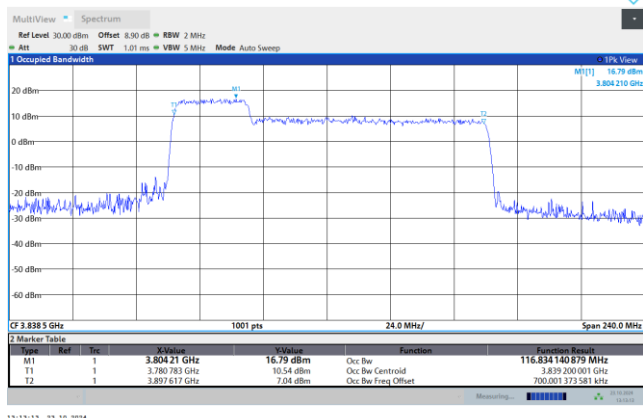


## 30M+90M

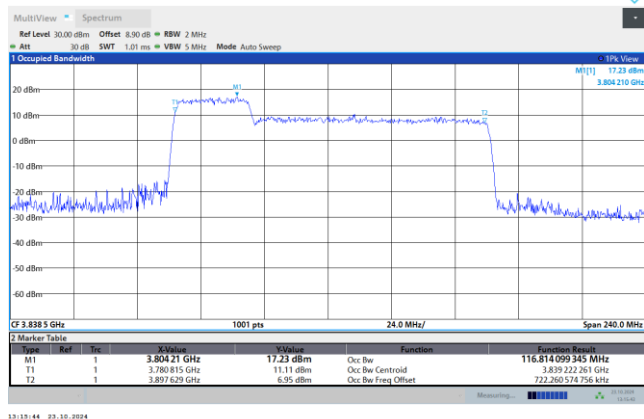
## QPSK



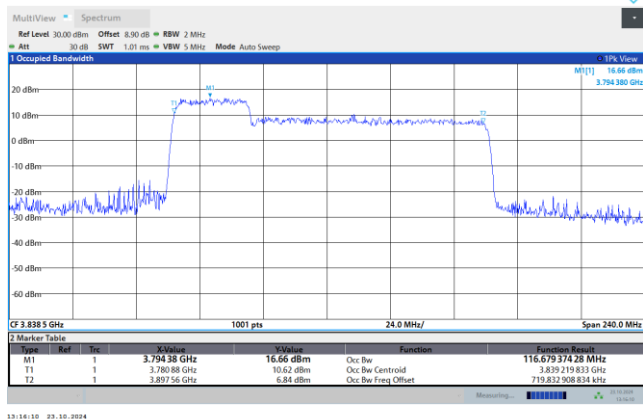
## 16QAM



## 64QAM



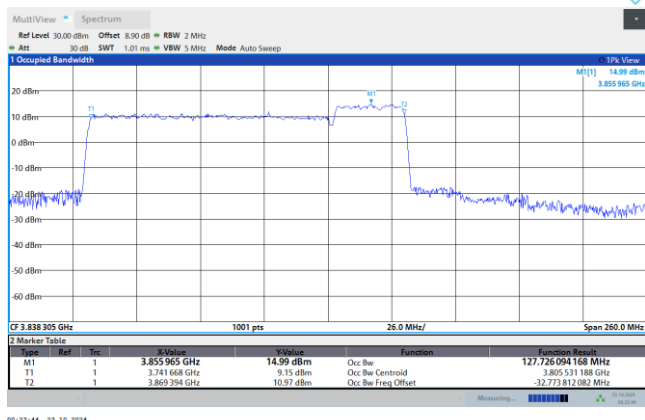
## 256QAM



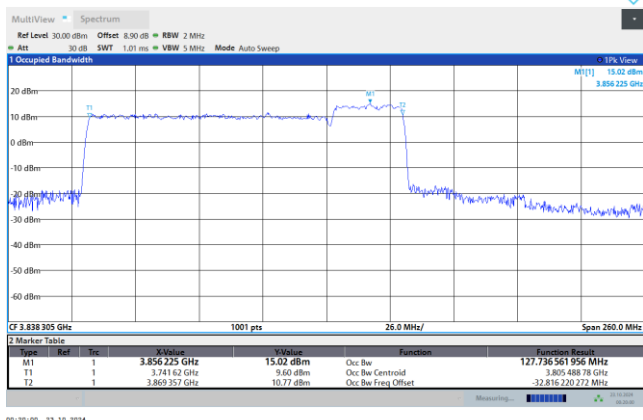


## 30M+100M

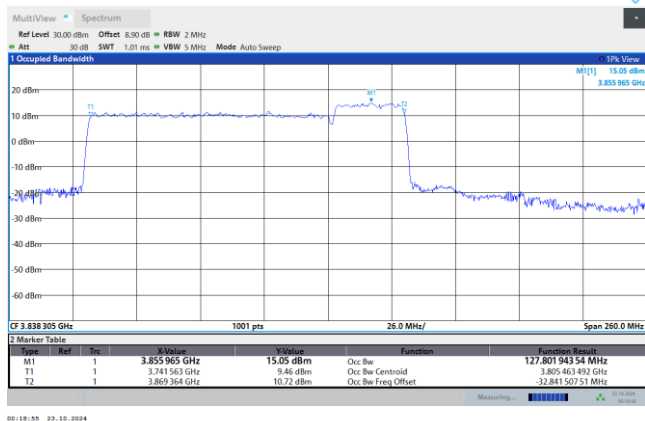
## QPSK



## 16QAM



## 64QAM



## 256QAM

