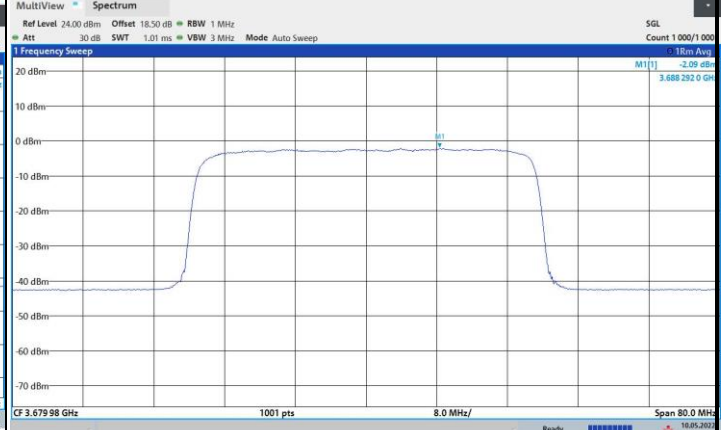
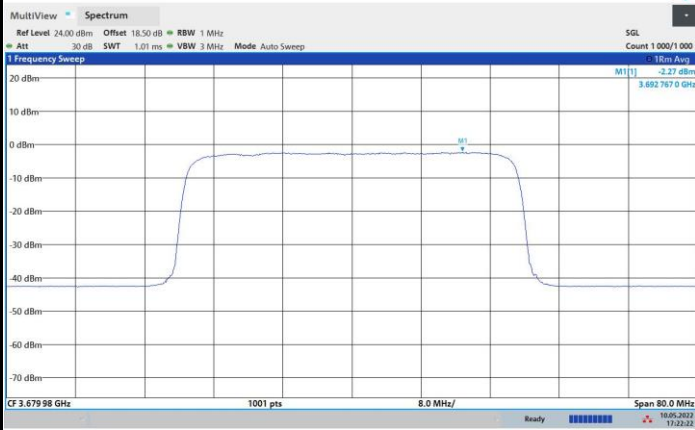




FR1 n48 / 40MHz / Highest Channel / PSD

QPSK

16QAM

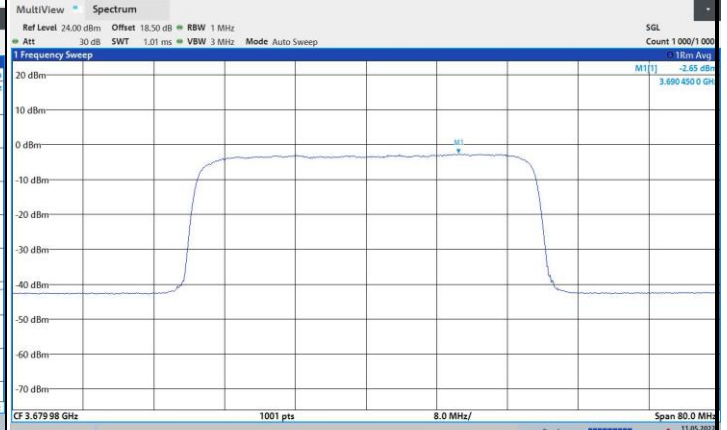
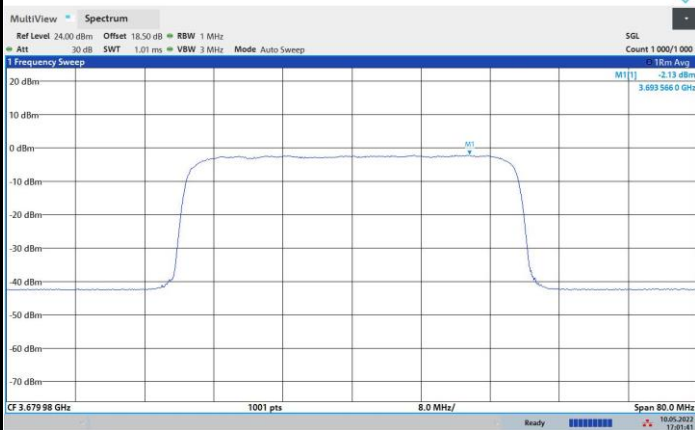


17:22:22 10.05.2022

17:17:28 10.05.2022

64QAM

256QAM



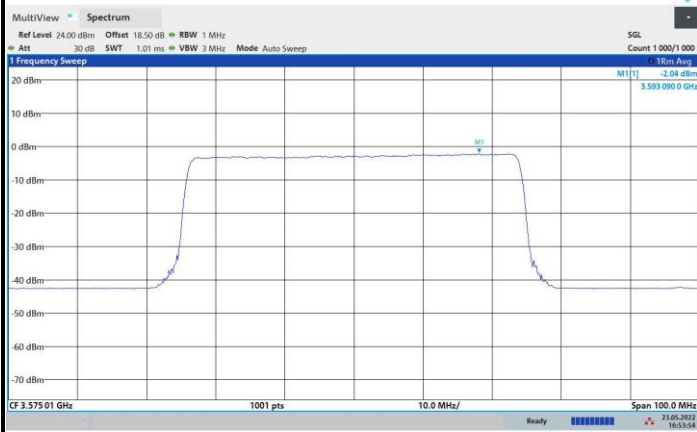
17:01:42 10.05.2022

16:38:16 11.05.2022



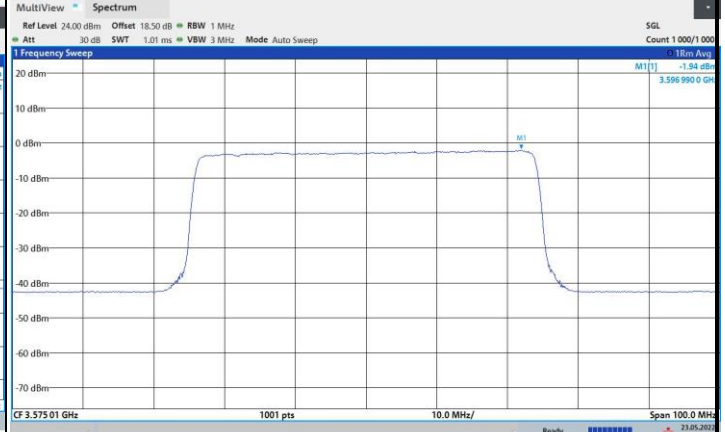
FR1 n48 / 50MHz / Lowest Channel / PSD

QPSK



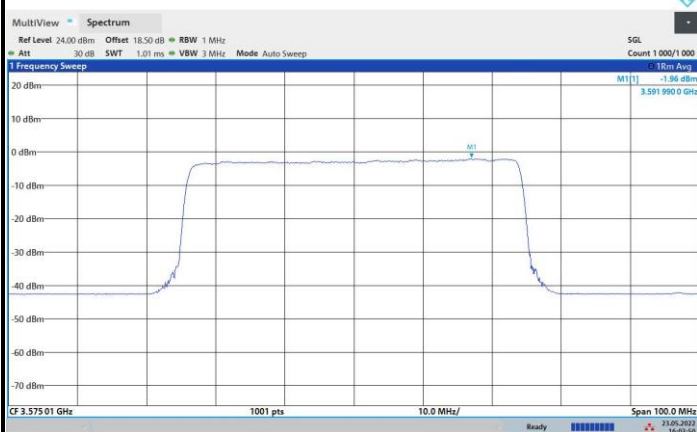
16:53:54 23.05.2022

16QAM



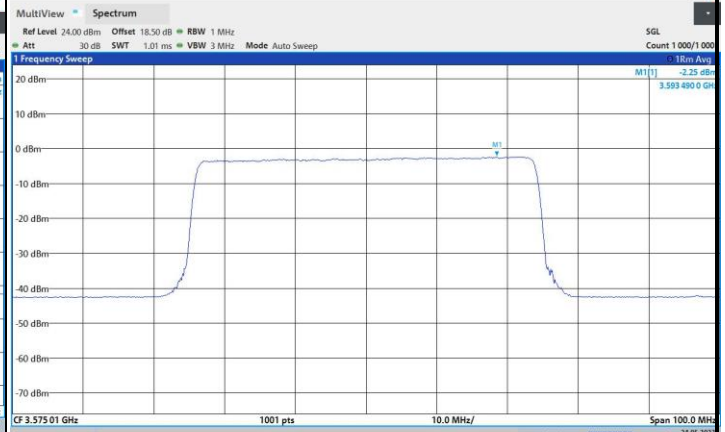
16:29:18 23.05.2022

64QAM



16:03:50 23.05.2022

256QAM

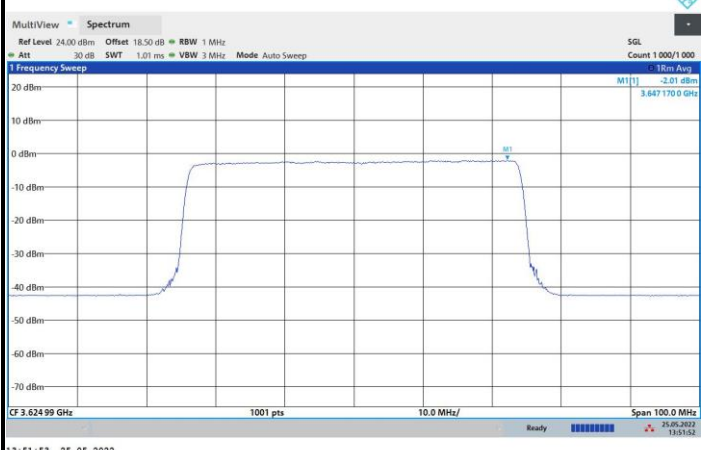


16:13:54 24.05.2022



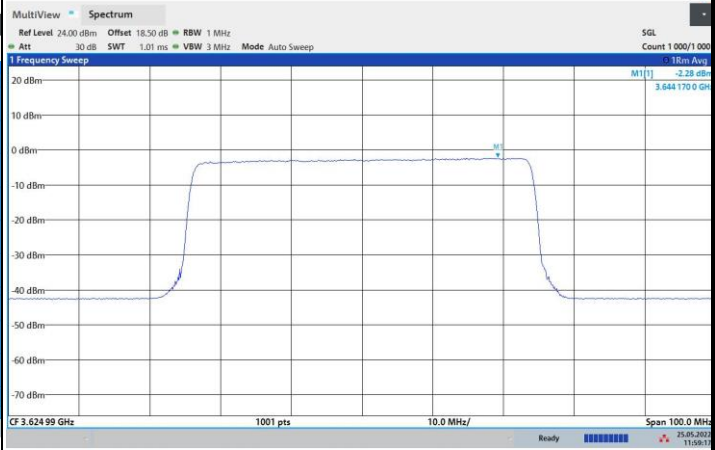
FR1 n48 / 50MHz / Middle Channel / PSD

QPSK



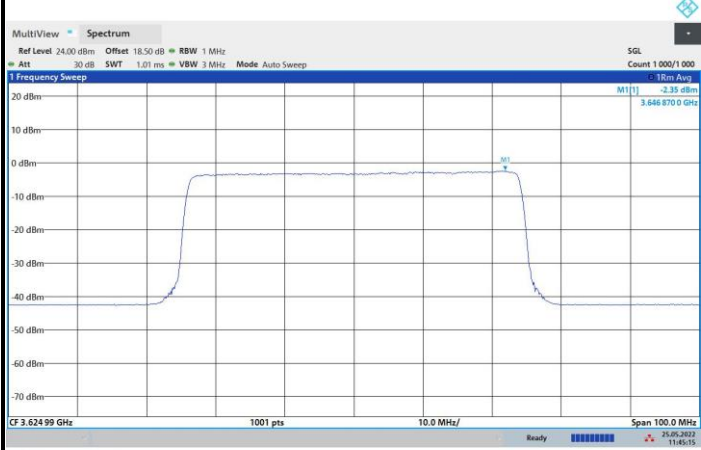
13:51:53 25.05.2022

16QAM



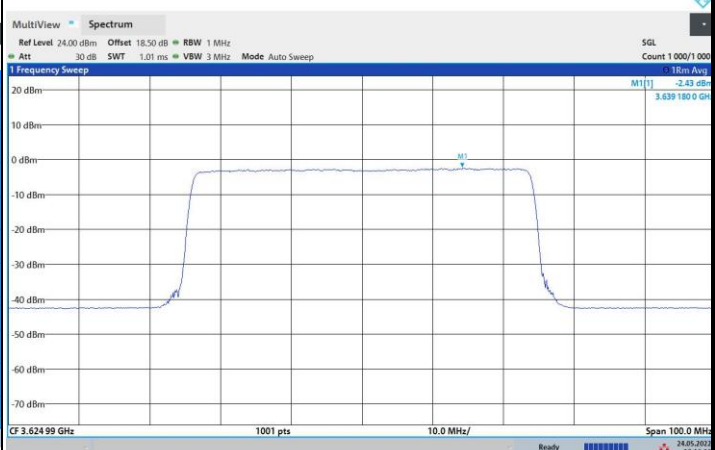
11:59:17 25.05.2022

64QAM



11:45:15 25.05.2022

256QAM

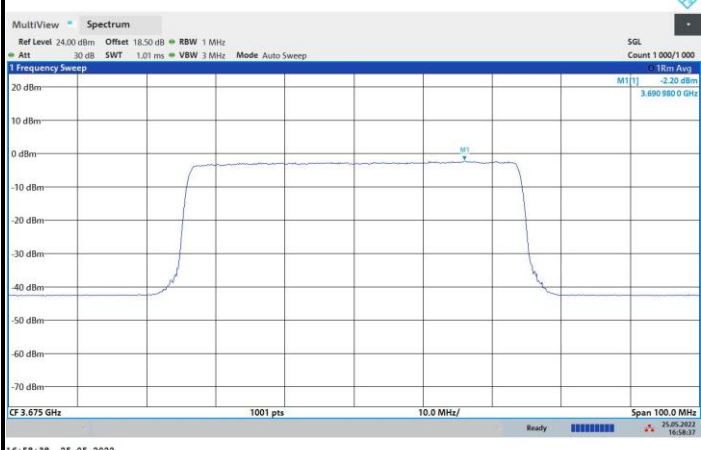


17:16:11 24.05.2022



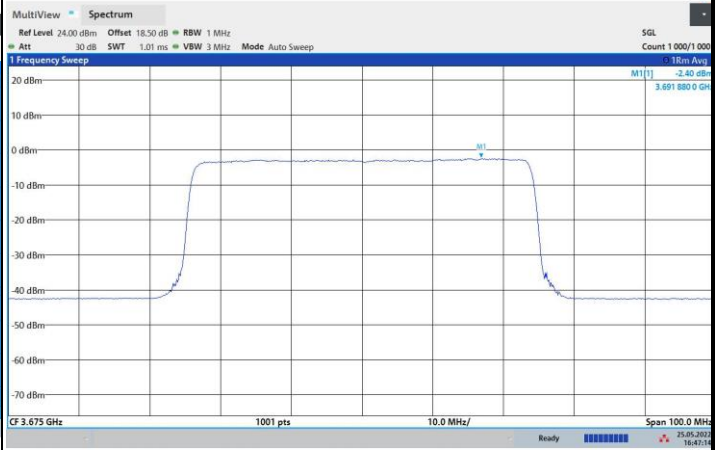
FR1 n48 / 50MHz / Highest Channel / PSD

QPSK



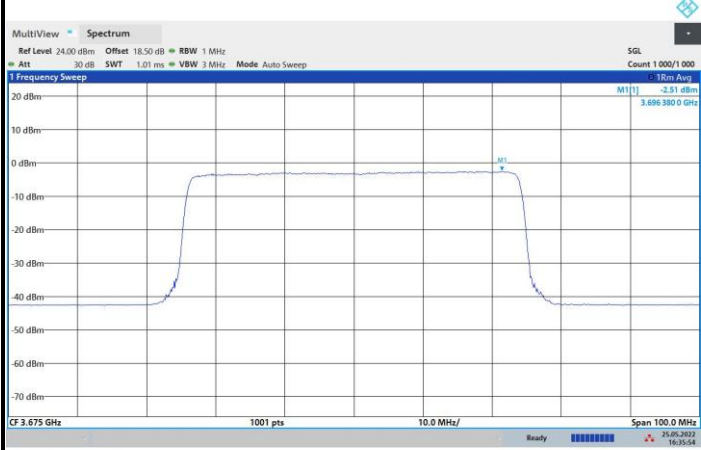
16:58:38 25.05.2022

16QAM



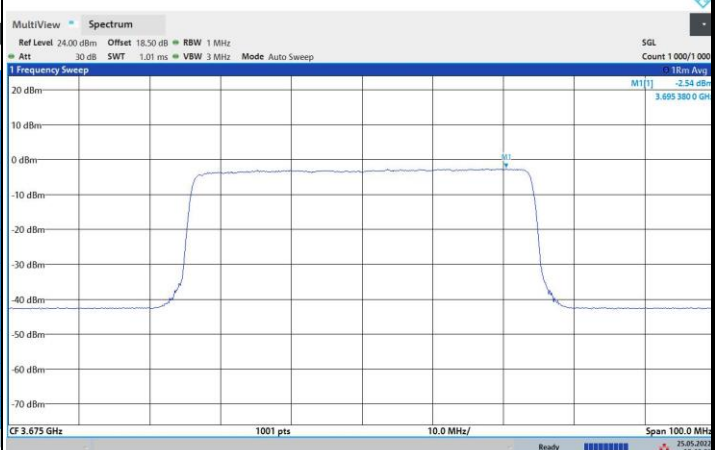
16:47:15 25.05.2022

64QAM



16:35:54 25.05.2022

256QAM

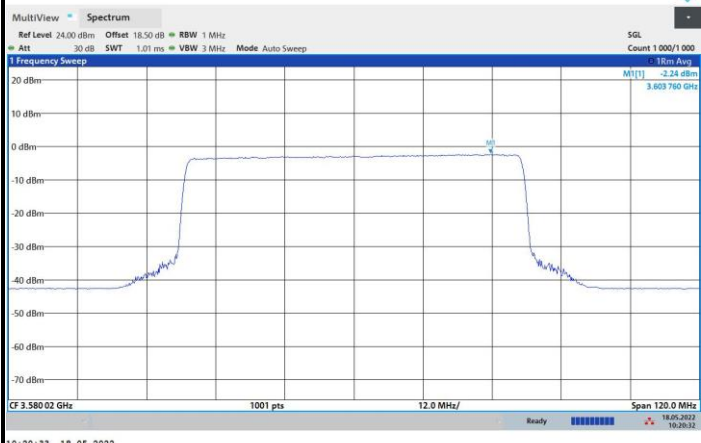


18:40:07 25.05.2022



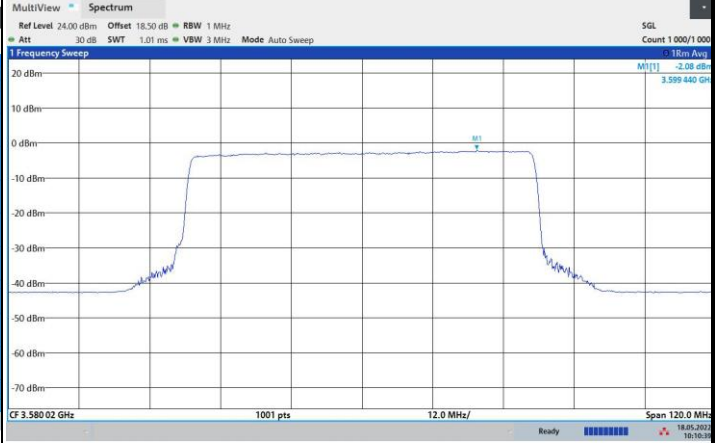
FR1 n48 / 60MHz / Lowest Channel / PSD

QPSK



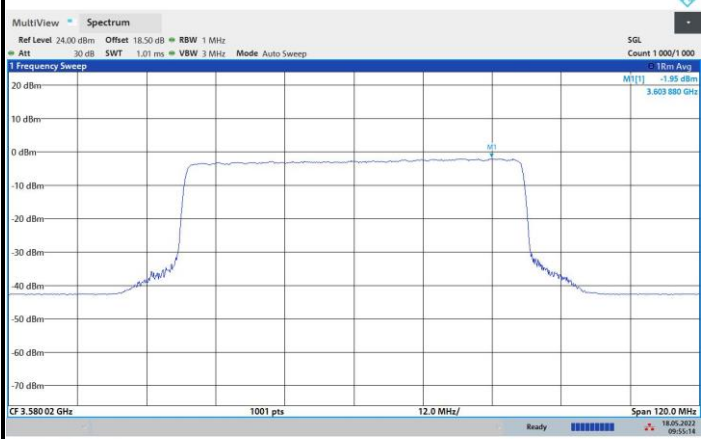
10:20:33 18.05.2022

16QAM



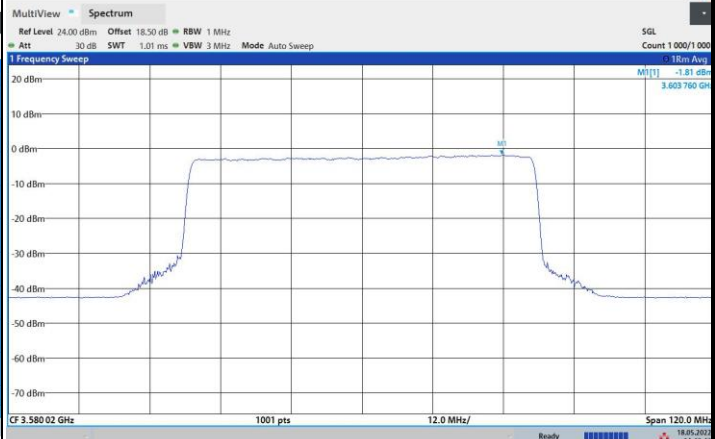
10:10:40 18.05.2022

64QAM



09:55:15 18.05.2022

256QAM

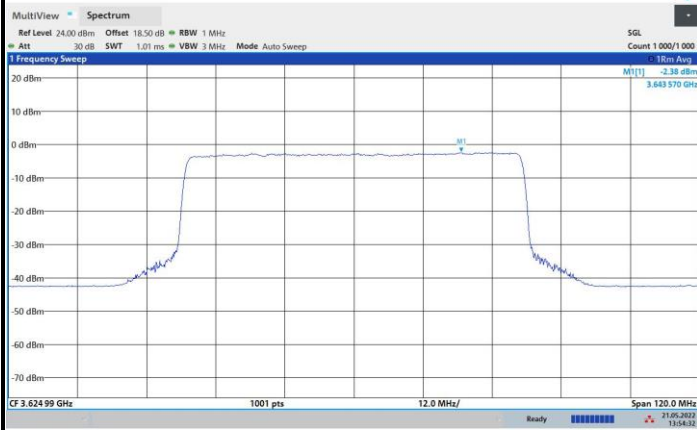


14:49:44 18.05.2022

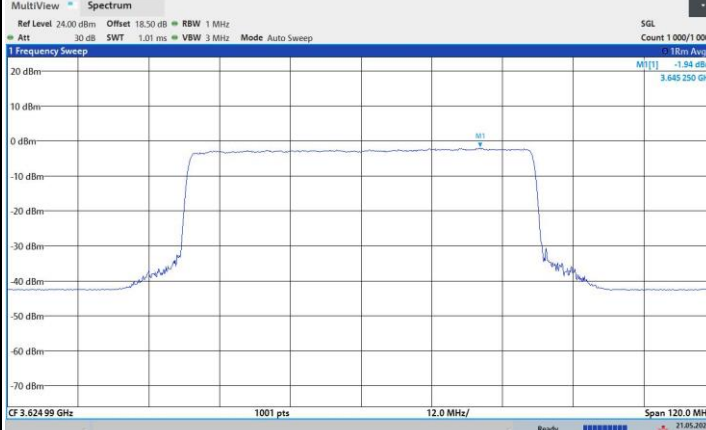


FR1 n48 / 60MHz / Middle Channel / PSD

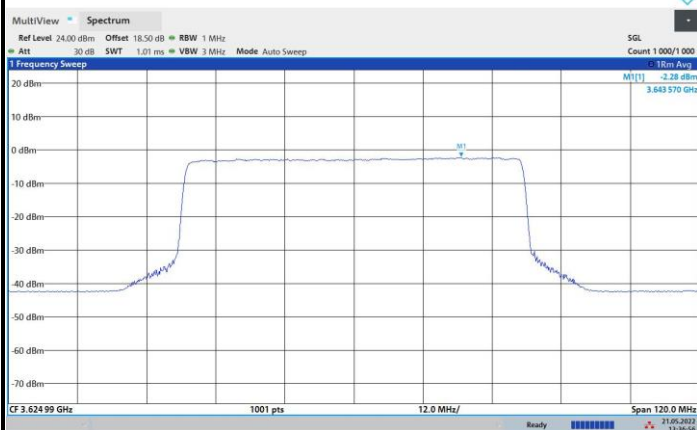
QPSK



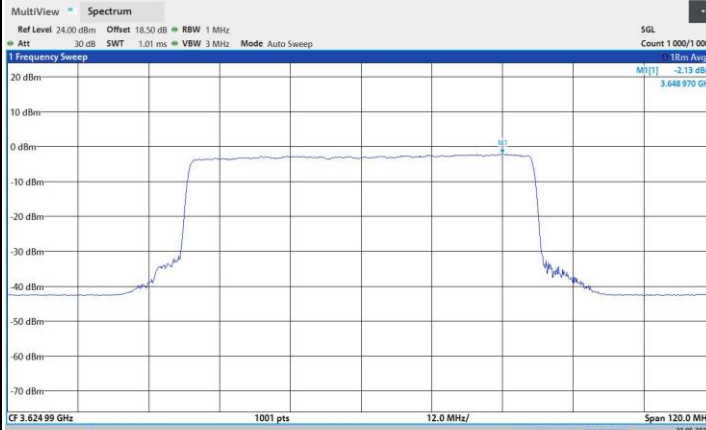
16QAM



64QAM



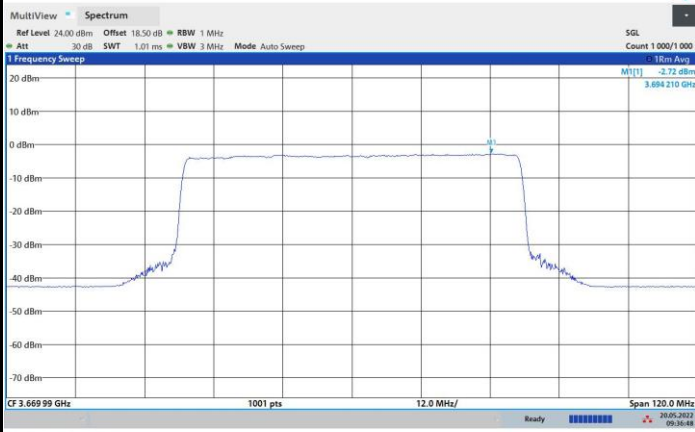
256QAM





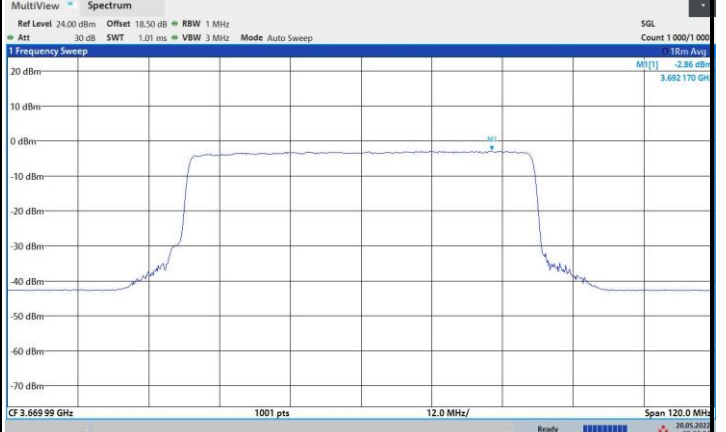
FR1 n48 / 60MHz / Highest Channel / PSD

QPSK



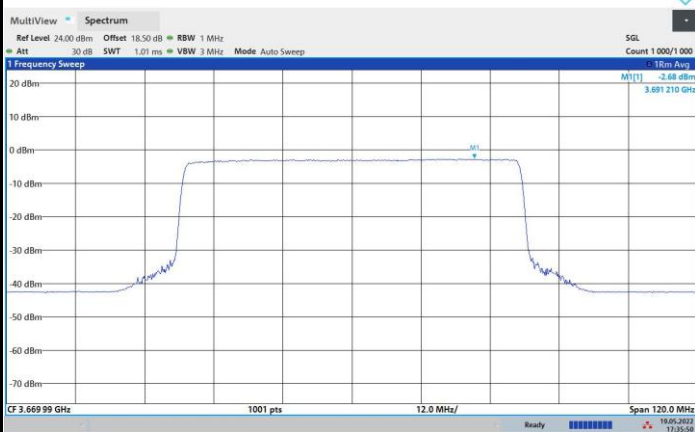
09:36:48 20.05.2022

16QAM



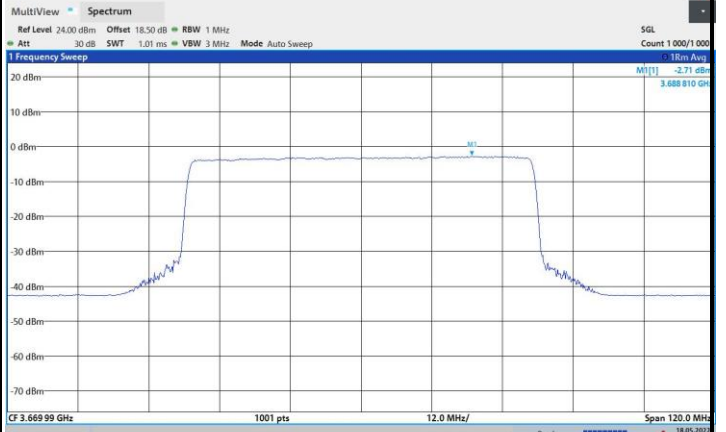
09:30:54 20.05.2022

64QAM



17:35:50 19.05.2022

256QAM

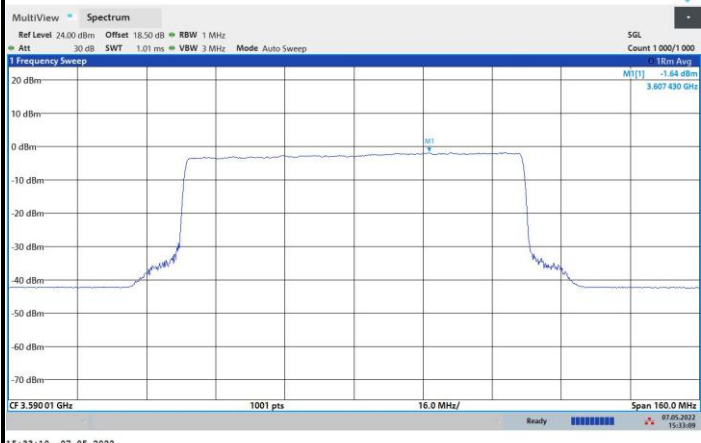


16:24:28 18.05.2022



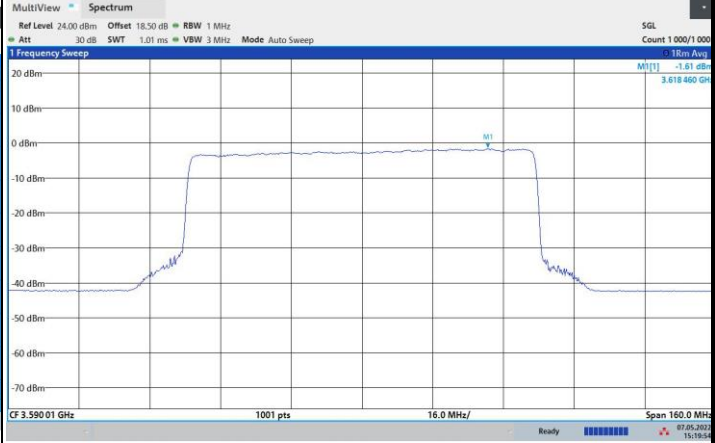
FR1 n48 / 80MHz / Lowest Channel / PSD

QPSK



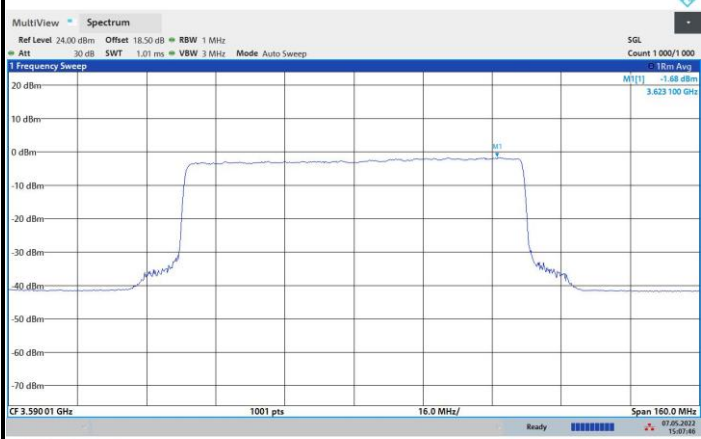
15:33:10 07.05.2022

16QAM



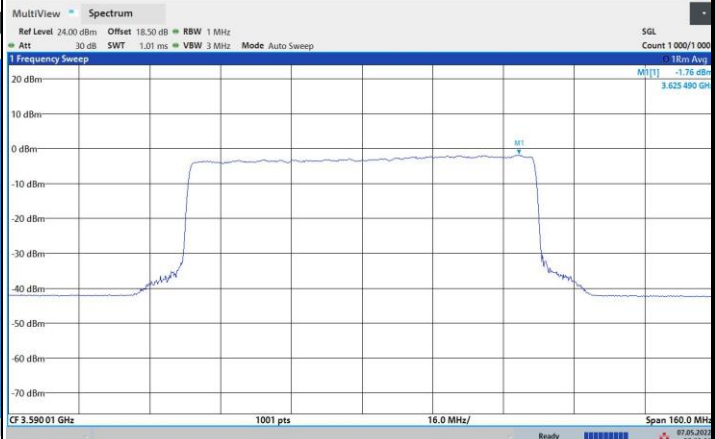
15:19:55 07.05.2022

64QAM



15:07:47 07.05.2022

256QAM

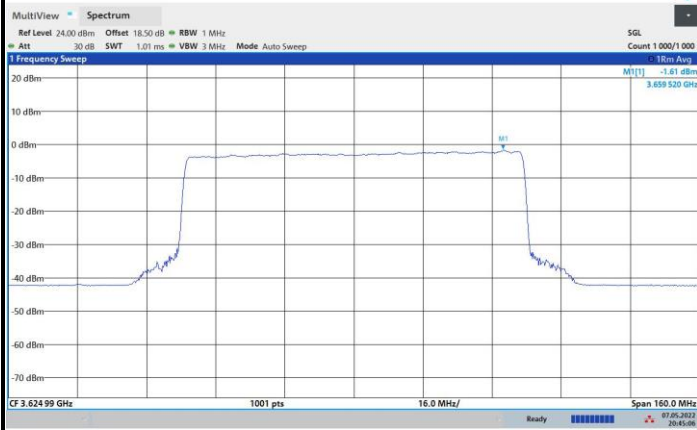


17:31:17 07.05.2022



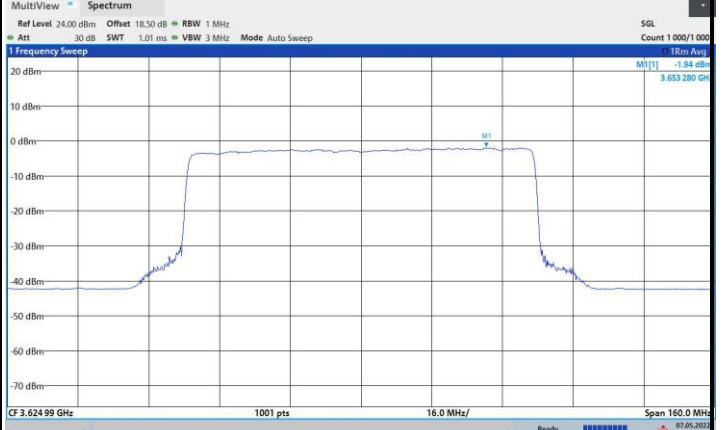
FR1 n48 / 80MHz / Middle Channel / PSD

QPSK



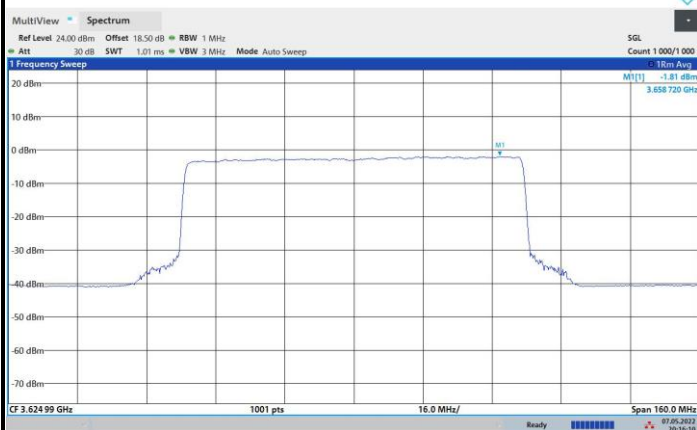
20:45:07 07.05.2022

16QAM



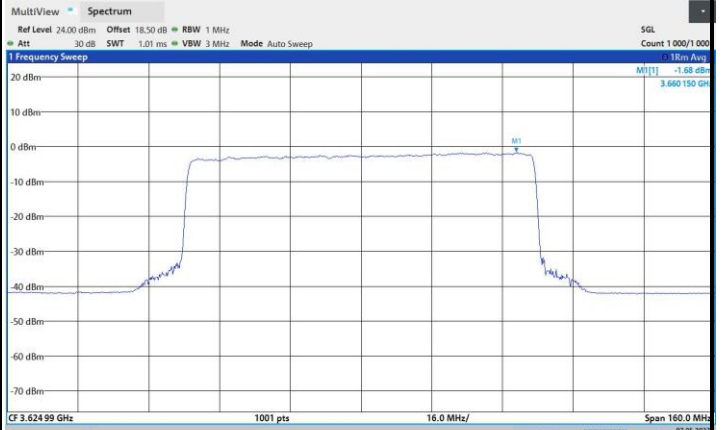
20:39:28 07.05.2022

64QAM



20:16:10 07.05.2022

256QAM



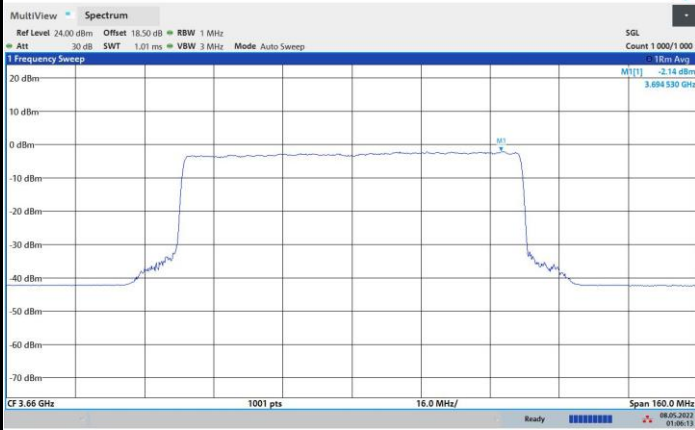
22:19:31 07.05.2022



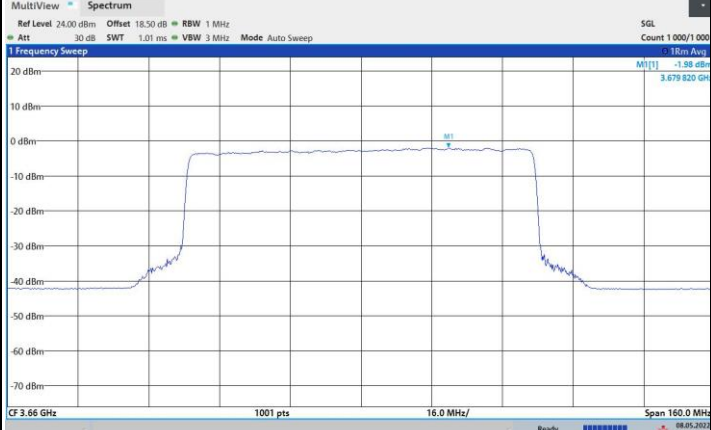
FR1 n48 / 80MHz / Highest Channel / PSD

QPSK

16QAM



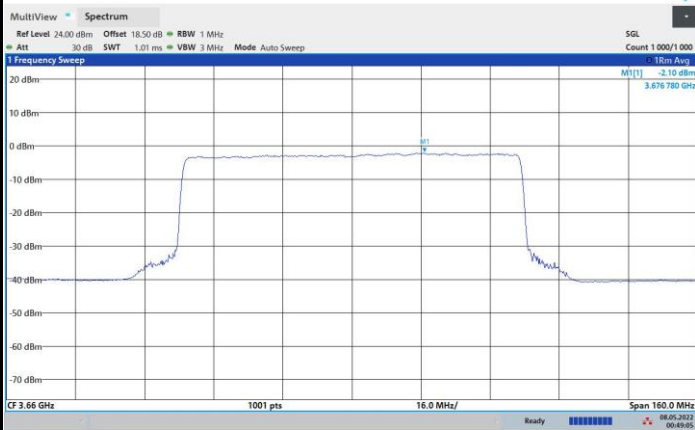
01:06:14 08.05.2022



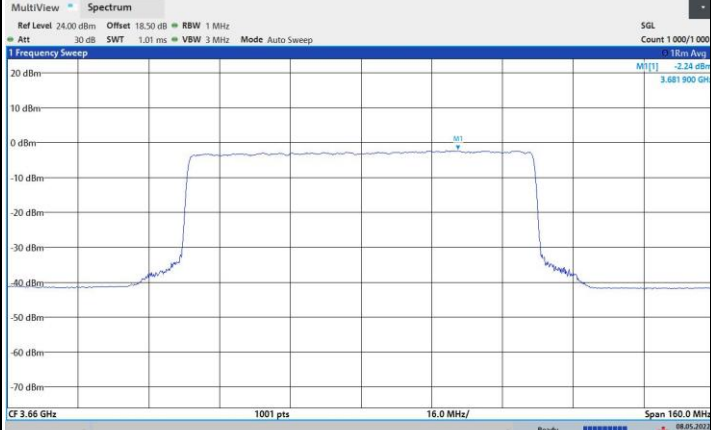
00:57:50 08.05.2022

64QAM

256QAM



00:49:06 08.05.2022



02:14:59 08.05.2022

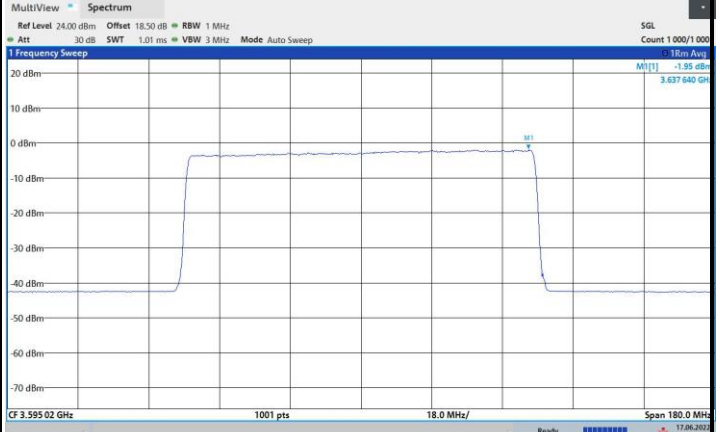


FR1 n48 / 90MHz / Lowest Channel / PSD

QPSK



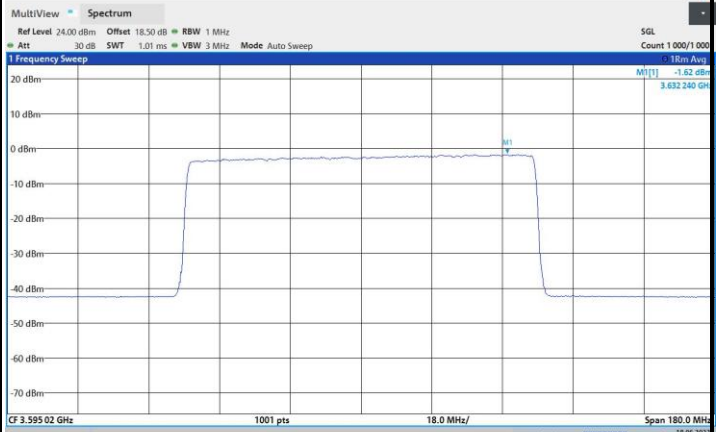
16QAM



64QAM



256QAM





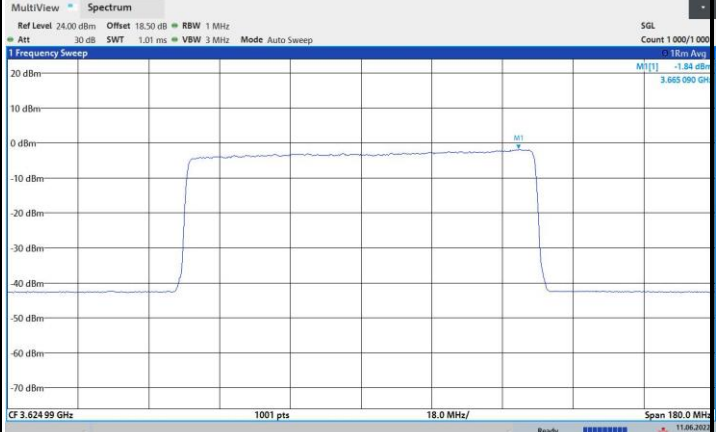
FR1 n48 / 90MHz / Middle Channel / PSD

QPSK



17:49:24 11.06.2022

16QAM



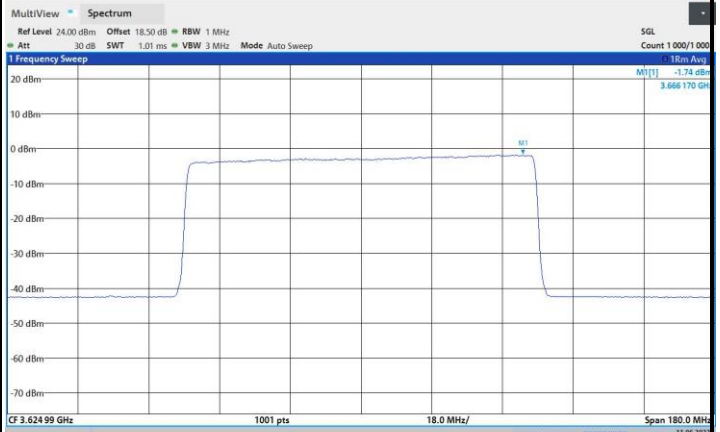
17:34:33 11.06.2022

64QAM



17:23:40 11.06.2022

256QAM

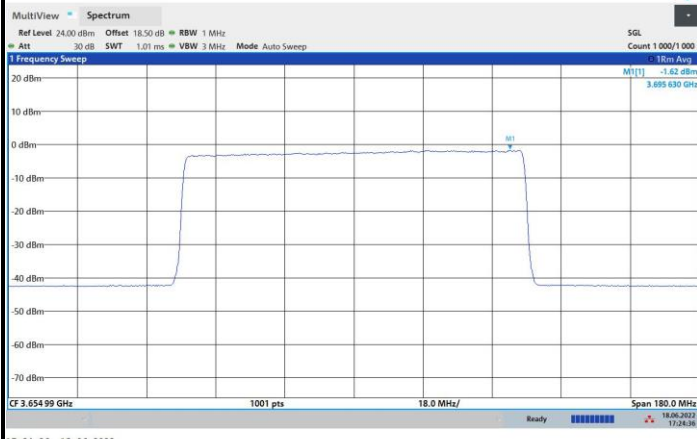


19:36:32 11.06.2022



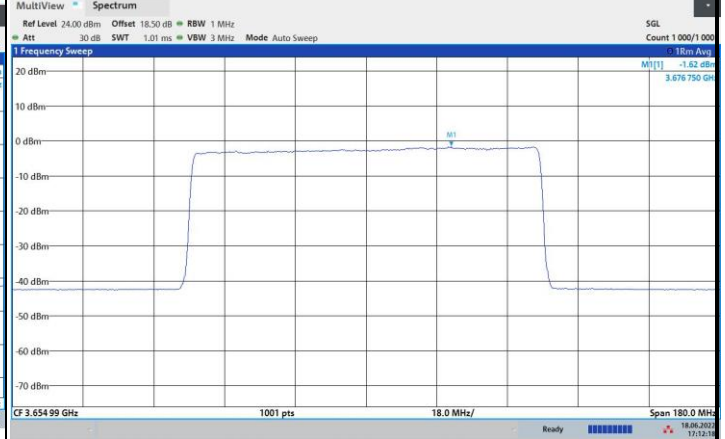
FR1 n48 / 90MHz / Highest Channel / PSD

QPSK



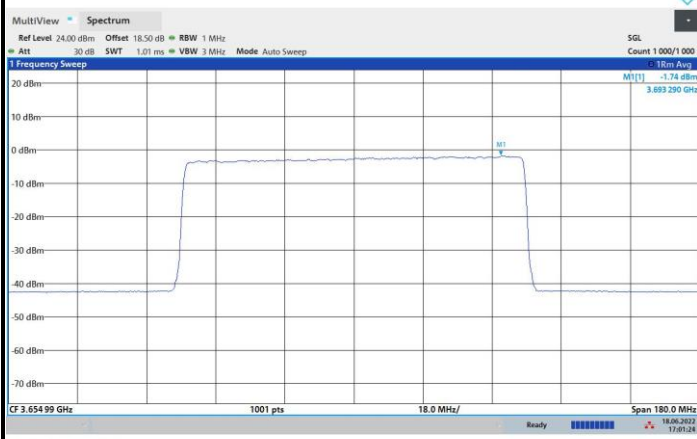
17:24:36 18.06.2022

16QAM



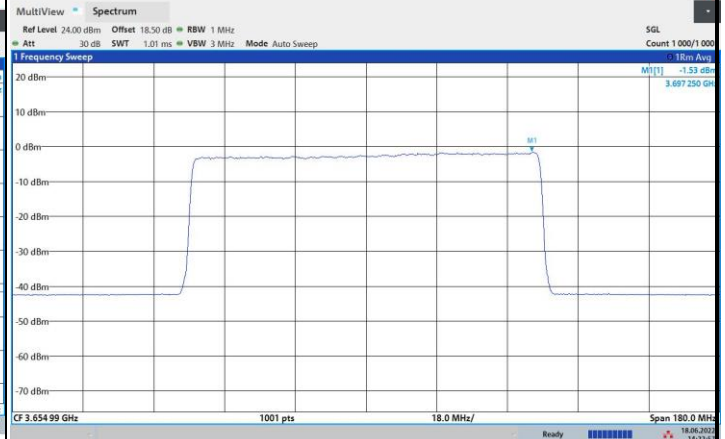
17:12:19 18.06.2022

64QAM



17:01:25 18.06.2022

256QAM

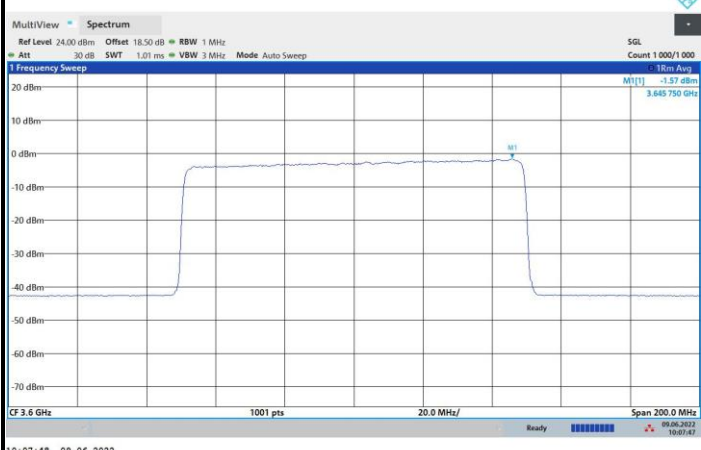


14:22:58 18.06.2022



FR1 n48 / 100MHz / Lowest Channel / PSD

QPSK



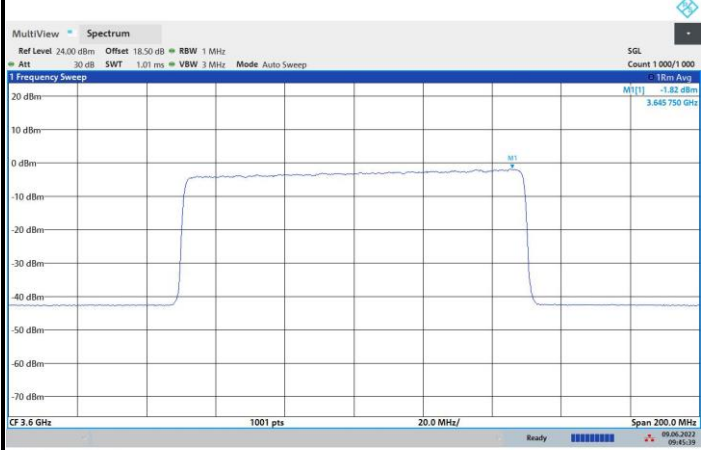
10:07:48 09.06.2022

16QAM



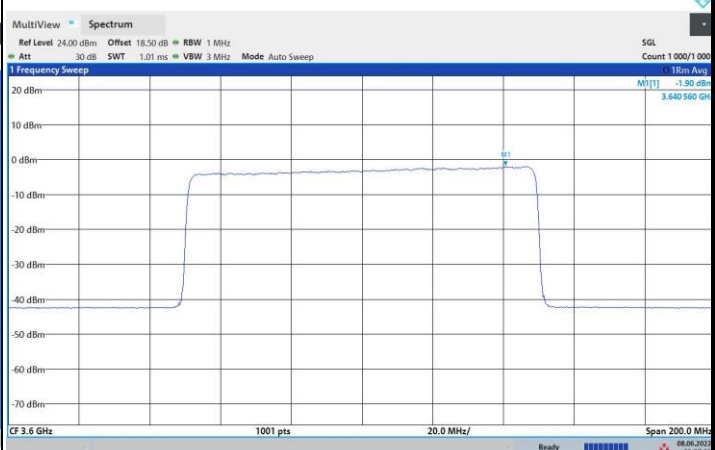
09:59:02 09.06.2022

64QAM



09:45:40 09.06.2022

256QAM

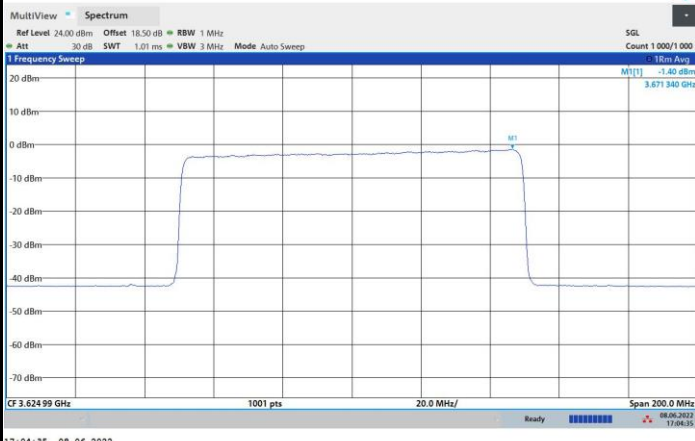


20:27:55 08.06.2022



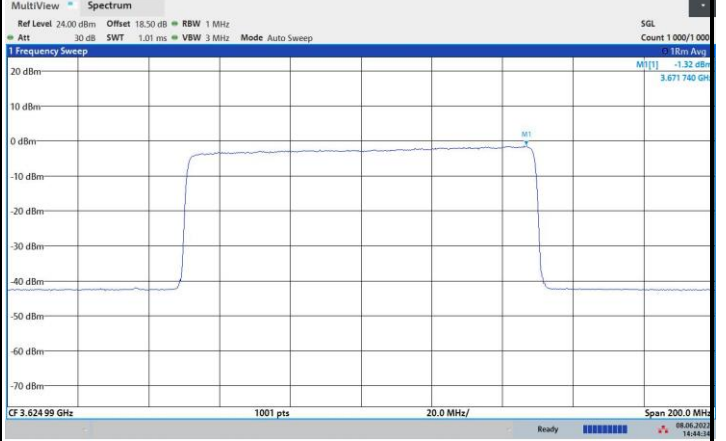
FR1 n48 / 100MHz / Middle Channel / PSD

QPSK



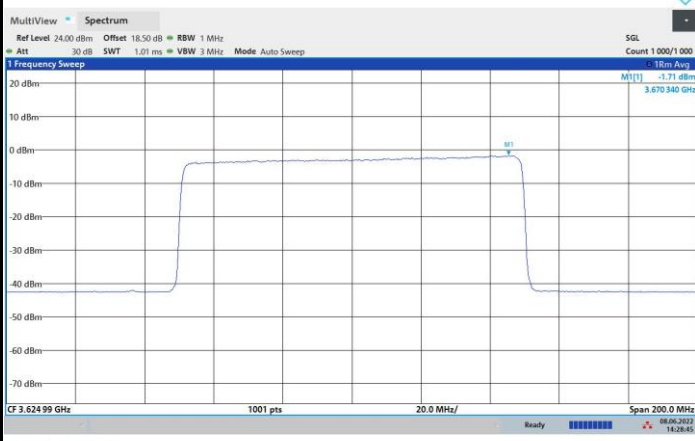
17:04:35 08.06.2022

16QAM



14:44:34 08.06.2022

64QAM



14:28:45 08.06.2022

256QAM



19:31:53 08.06.2022



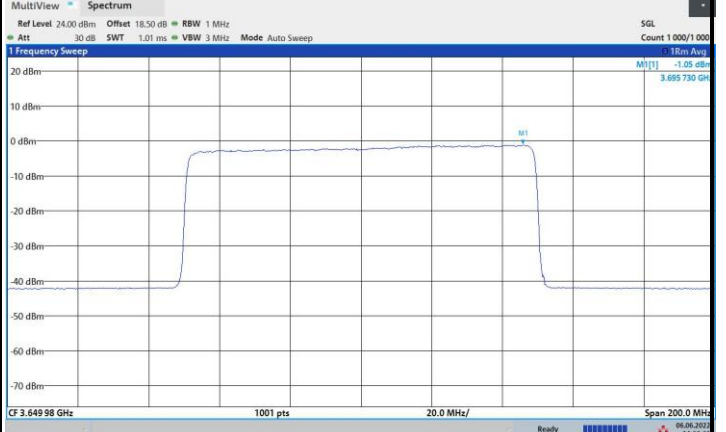
FR1 n48 / 100MHz / Highest Channel / PSD

QPSK



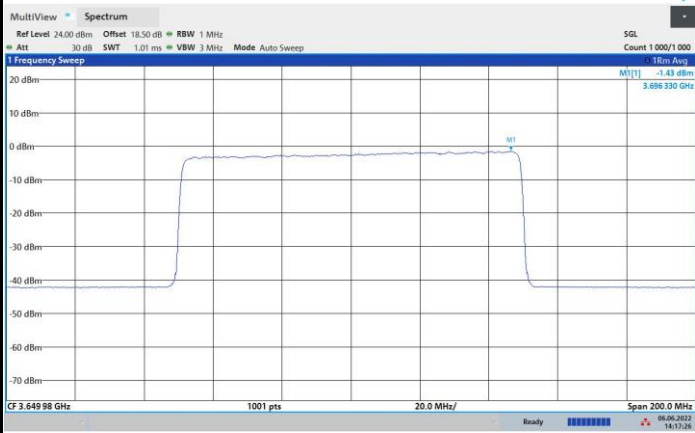
14:57:59 06.06.2022

16QAM



14:39:22 06.06.2022

64QAM



14:17:26 06.06.2022

256QAM

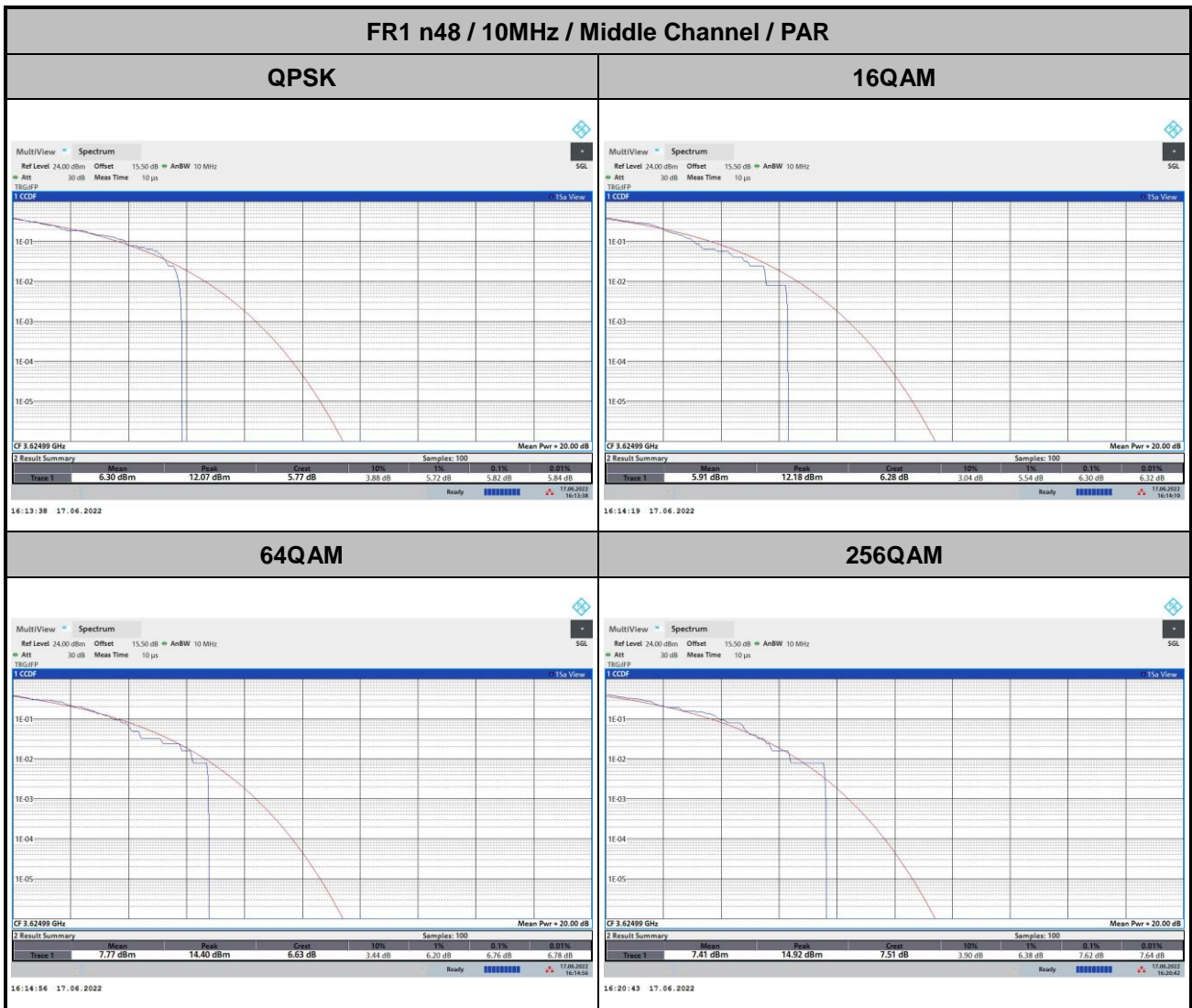


16:53:11 06.06.2022



Peak-to-Average Ratio

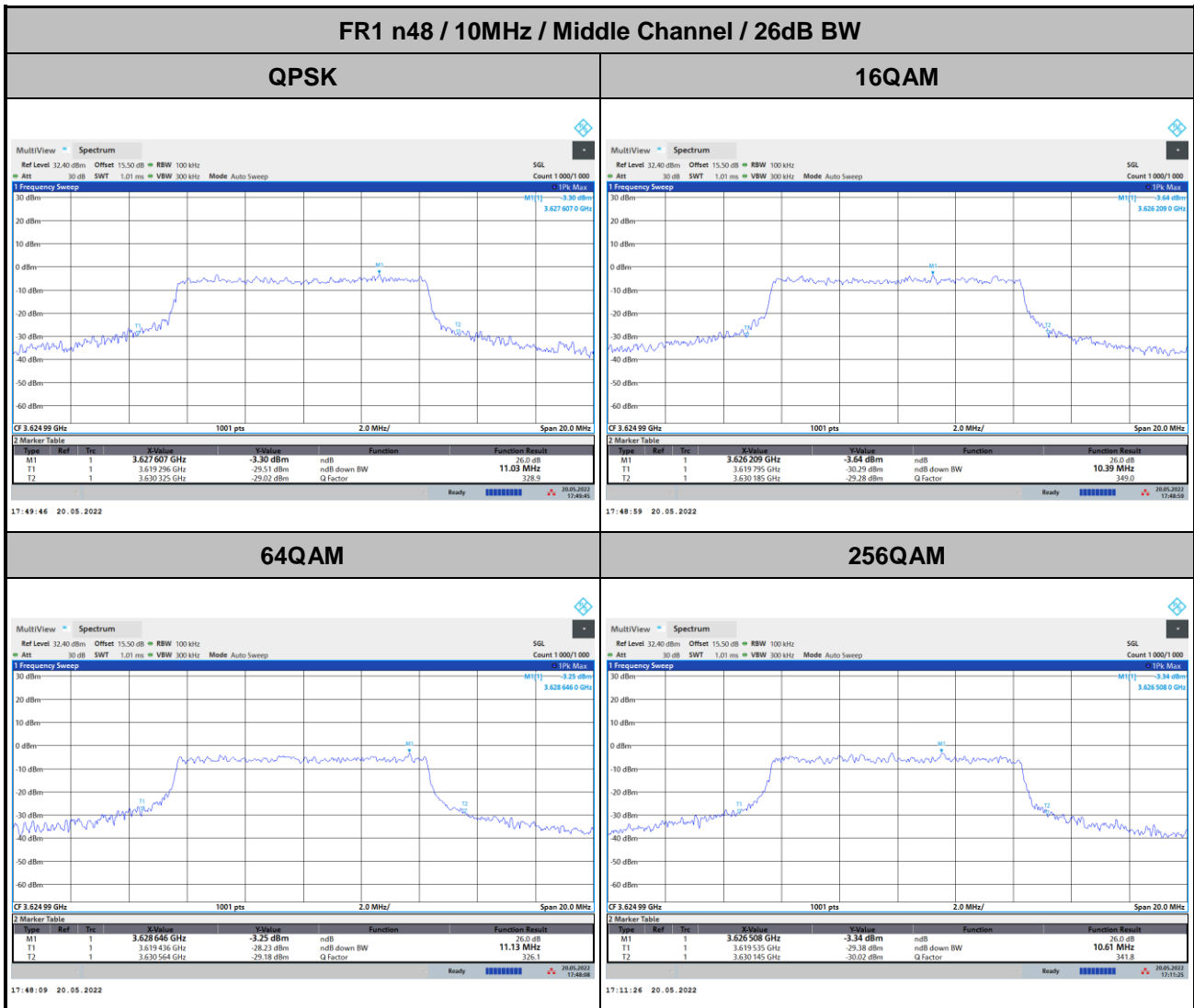
| Mode | FR1 n48 / 10MHz / PAR (dB) | | | | Limit: 13dB |
|-----------|----------------------------|-------|-------|--------|-------------|
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | Result |
| Middle CH | 5.82 | 6.30 | 6.76 | 7.62 | PASS |





26dB Bandwidth

| Mode | FR1 n48 : 26dB BW(MHz) | | | | | | | |
|-----------|------------------------|--------|-------|--------|-------|--------|--------|--------|
| BW | 10MHz | | 20MHz | | 40MHz | | 50MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 11.03 | 10.39 | 24.66 | 23.82 | 41.24 | 41.08 | 51.95 | 52.95 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 11.13 | 10.61 | 24.46 | 23.46 | 41.24 | 41.56 | 52.25 | 52.95 |
| BW | 60MHz | | 80MHz | | 90MHz | | 100MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 68.21 | 68.69 | 94.79 | 91.75 | 92.43 | 92.25 | 101.50 | 101.50 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 73.01 | 69.05 | 97.82 | 91.27 | 92.07 | 92.43 | 102.10 | 101.90 |

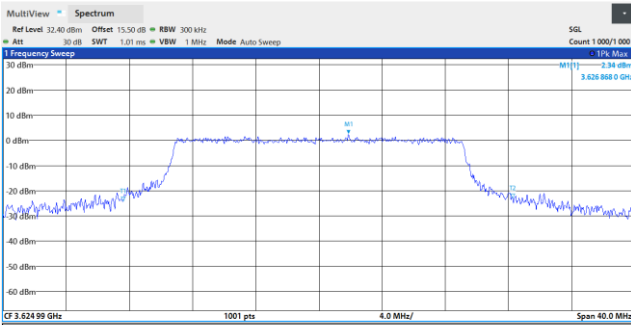




FR1 n48 / 20MHz / Middle Channel / 26dB BW

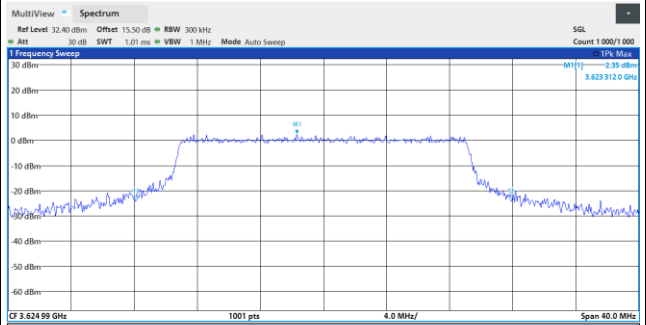
QPSK

16QAM



| Type | Ref | Tic | X-Value | Y-Value | Function | Function Result |
|------|-----|-----|--------------|------------|-------------|-----------------|
| M1 | 1 | | 3.626868 GHz | 2.34 dBm | ndB | 26.0 dB |
| T1 | 1 | | 3.612402 GHz | -24.04 dBm | ndB down BW | 24.66 MHz |
| T2 | 1 | | 3.637258 GHz | -22.04 dBm | Q Factor | 147.1 |

23:04:17 21.05.2022

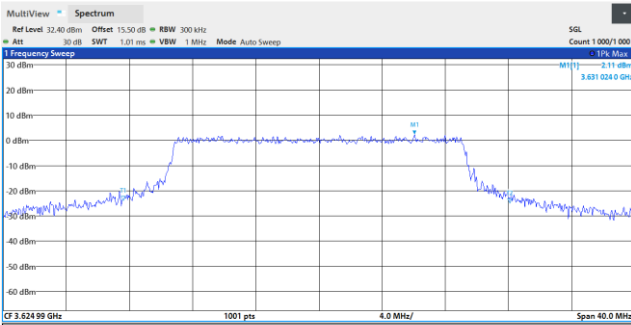


| Type | Ref | Tic | X-Value | Y-Value | Function | Function Result |
|------|-----|-----|--------------|------------|-------------|-----------------|
| M1 | 1 | | 3.623312 GHz | 2.35 dBm | ndB | 26.0 dB |
| T1 | 1 | | 3.611082 GHz | -24.06 dBm | ndB down BW | 23.82 MHz |
| T2 | 1 | | 3.626898 GHz | -24.05 dBm | Q Factor | 152.1 |

23:03:24 21.05.2022

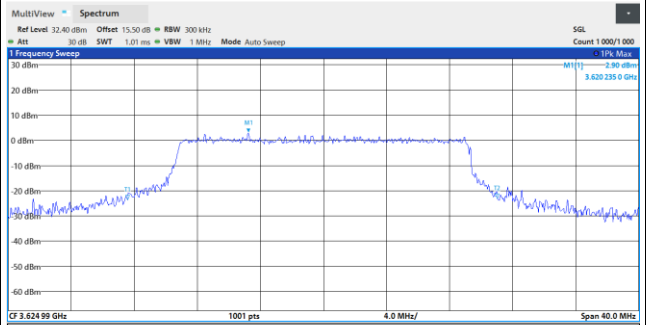
64QAM

256QAM



| Type | Ref | Tic | X-Value | Y-Value | Function | Function Result |
|------|-----|-----|--------------|------------|-------------|-----------------|
| M1 | 1 | | 3.631024 GHz | 2.11 dBm | ndB | 26.0 dB |
| T1 | 1 | | 3.612402 GHz | -23.30 dBm | ndB down BW | 24.46 MHz |
| T2 | 1 | | 3.637058 GHz | -24.97 dBm | Q Factor | 148.5 |

23:02:24 21.05.2022



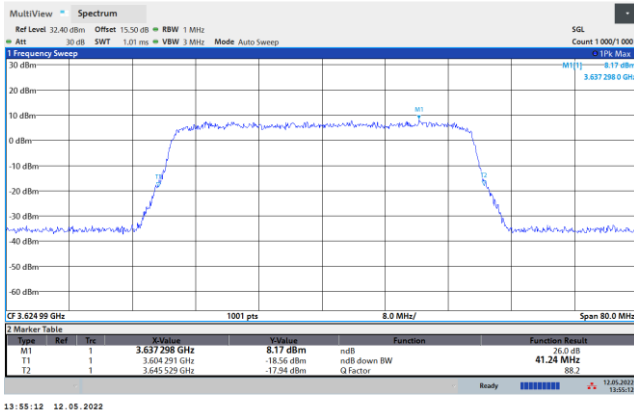
| Type | Ref | Tic | X-Value | Y-Value | Function | Function Result |
|------|-----|-----|--------------|------------|-------------|-----------------|
| M1 | 1 | | 3.620225 GHz | 2.90 dBm | ndB | 26.0 dB |
| T1 | 1 | | 3.612562 GHz | -23.47 dBm | ndB down BW | 23.46 MHz |
| T2 | 1 | | 3.636019 GHz | -23.03 dBm | Q Factor | 154.3 |

21:43:48 21.05.2022

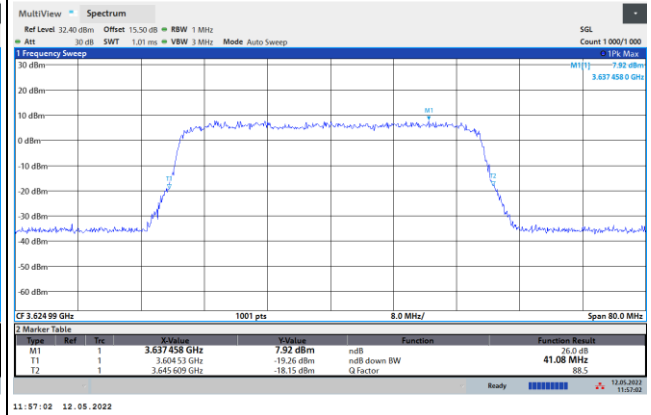


FR1 n48 / 40MHz / Middle Channel / 26dB BW

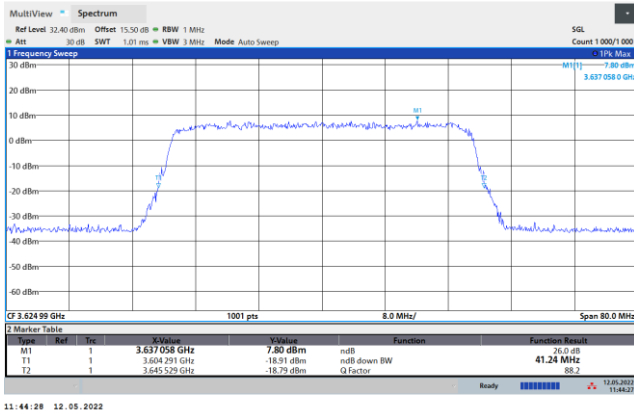
QPSK



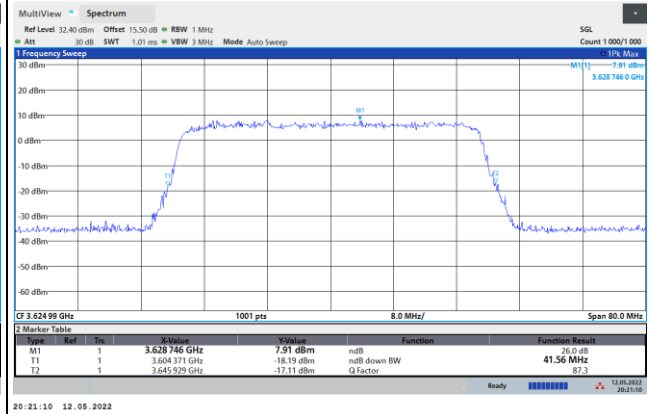
16QAM



64QAM



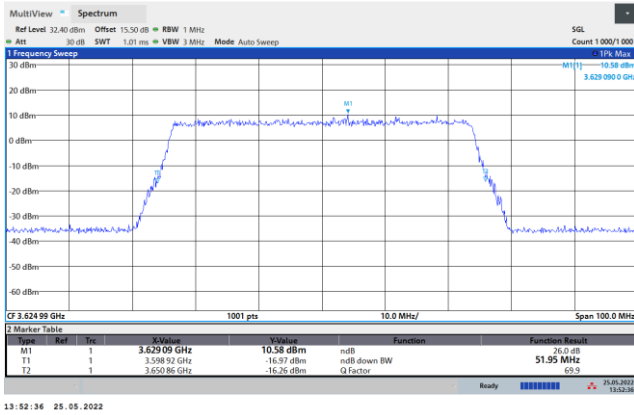
256QAM



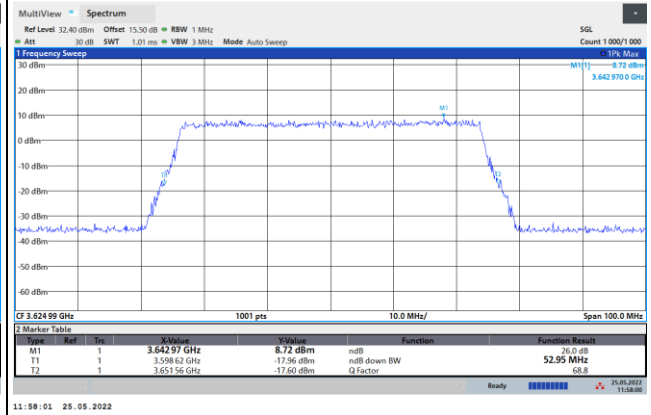


FR1 n48 / 50MHz / Middle Channel / 26dB BW

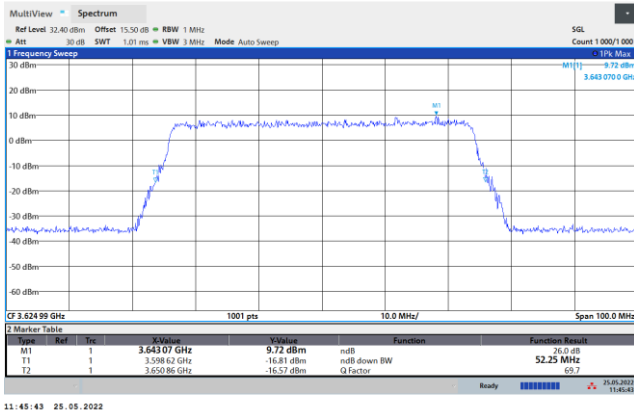
QPSK



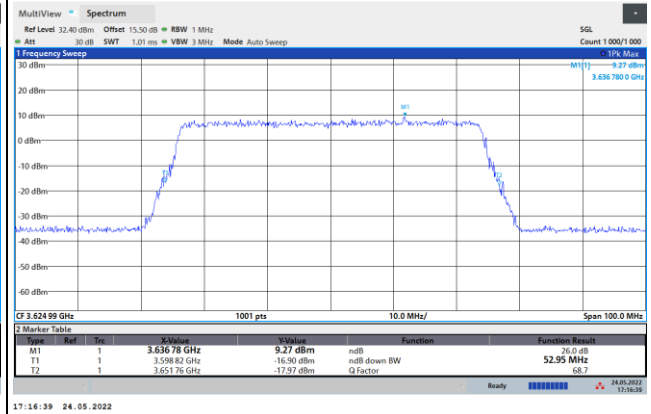
16QAM



64QAM



256QAM

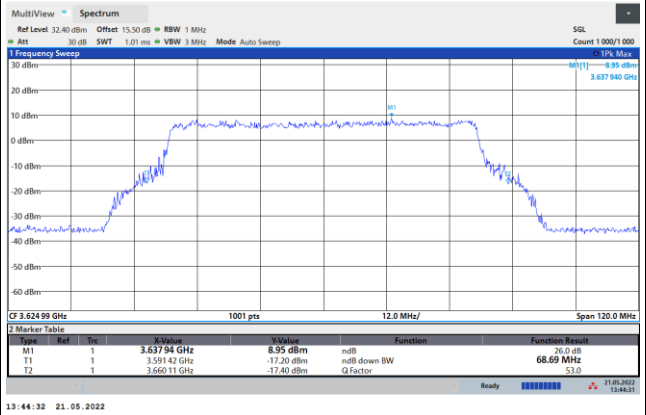
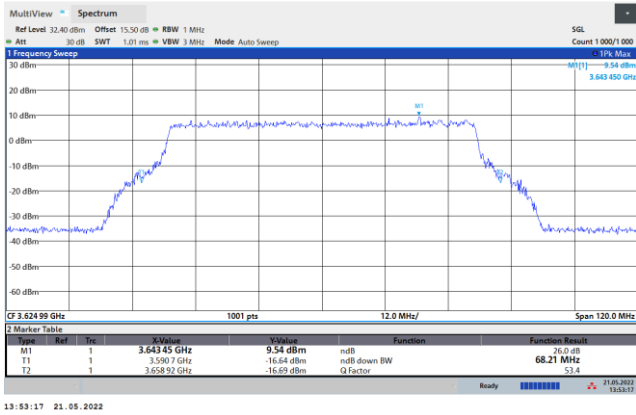




FR1 n48 / 60MHz / Middle Channel / 26dB BW

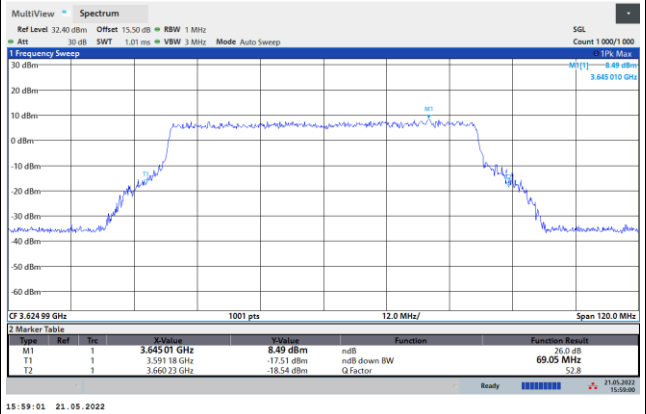
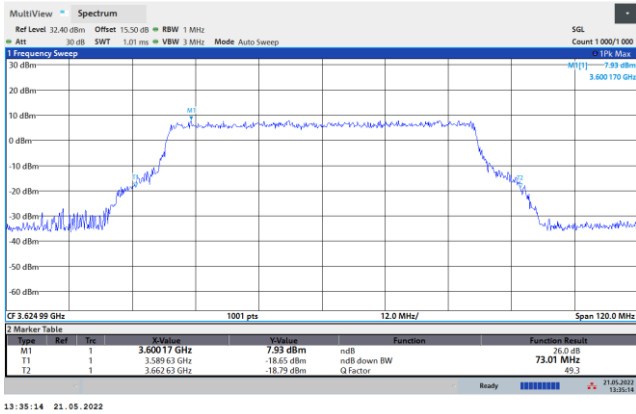
QPSK

16QAM



64QAM

256QAM

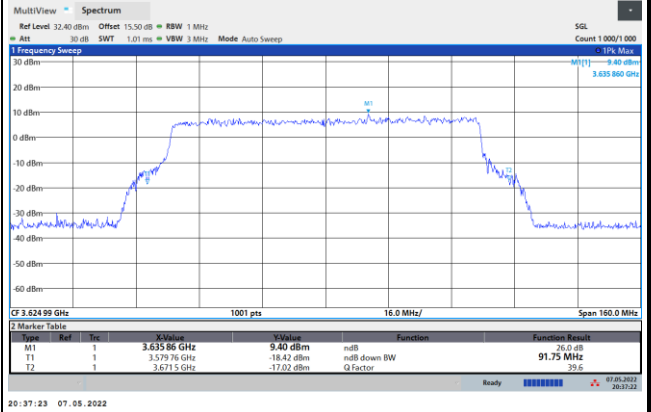
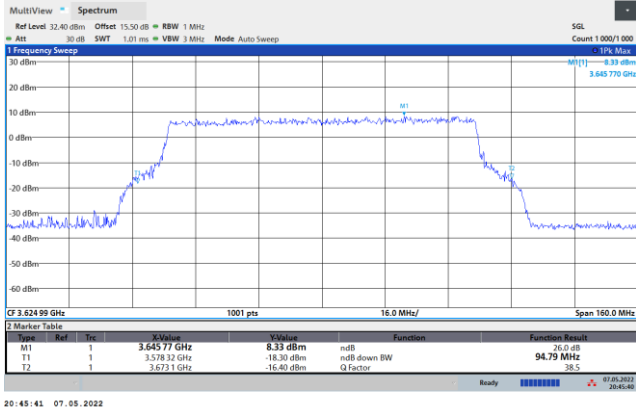




FR1 n48 / 80MHz / Middle Channel / 26dB BW

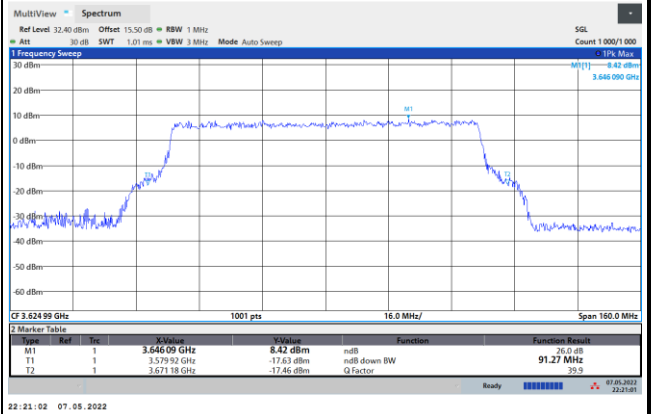
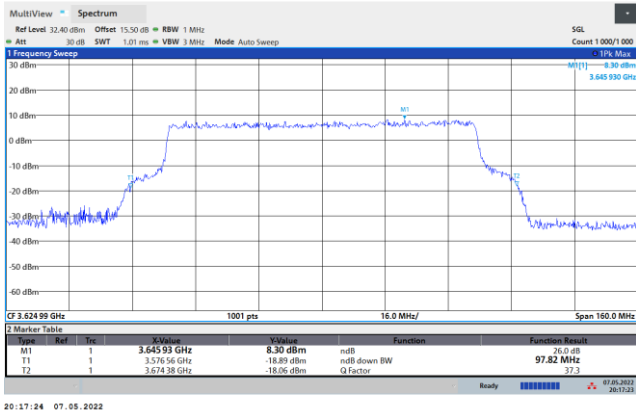
QPSK

16QAM



64QAM

256QAM

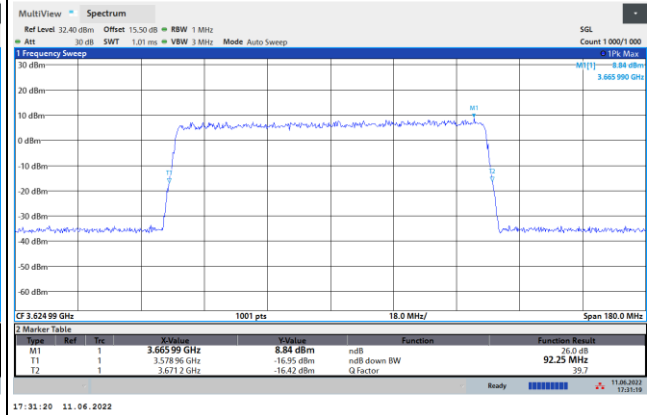
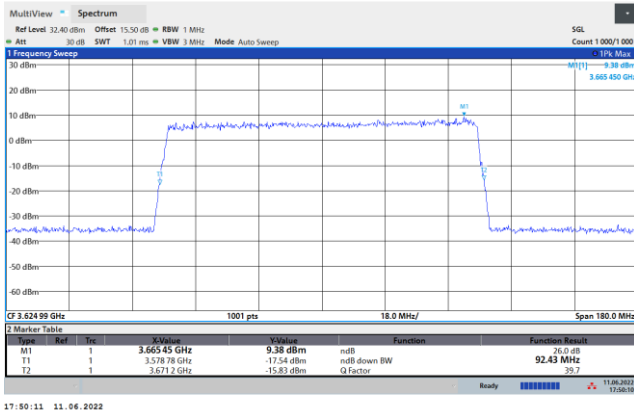




FR1 n48 / 90MHz / Middle Channel / 26dB BW

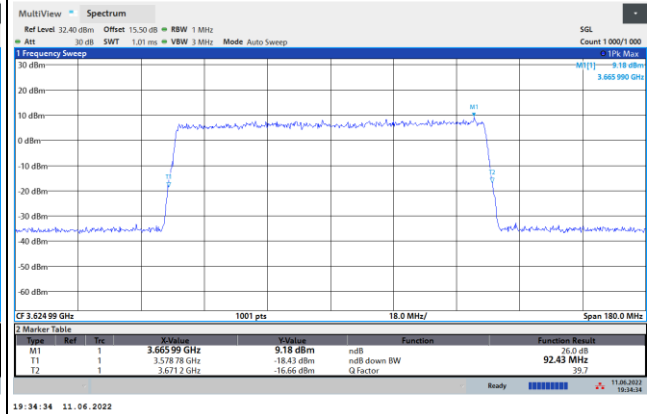
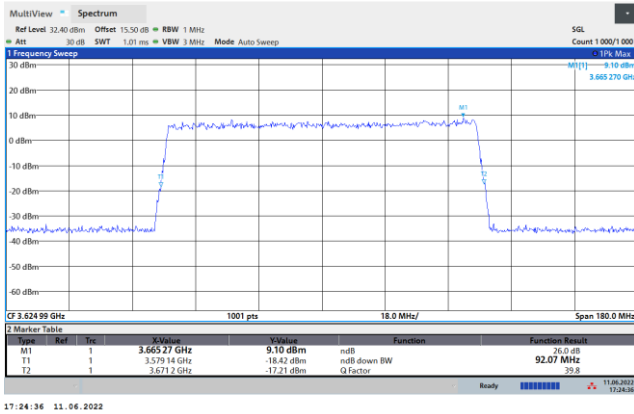
QPSK

16QAM



64QAM

256QAM

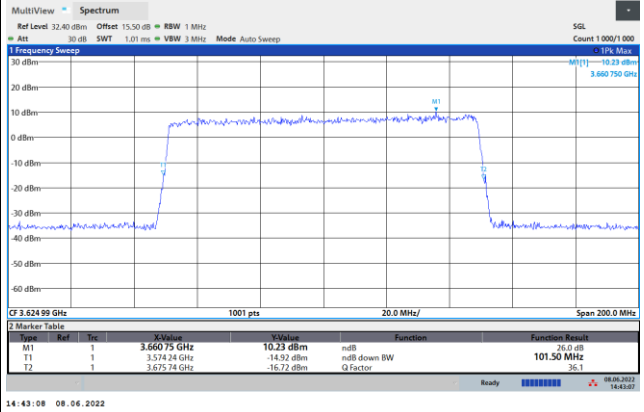
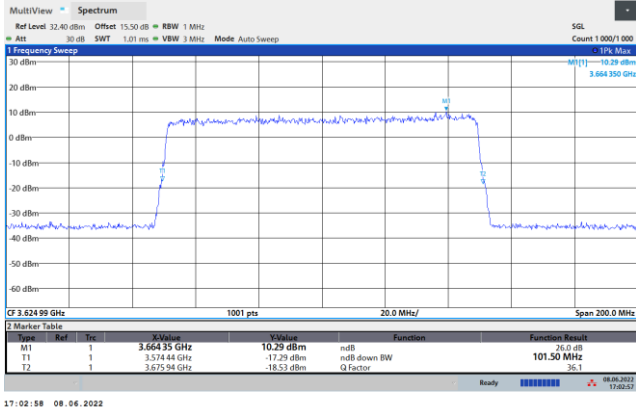




FR1 n48 / 100MHz / Middle Channel / 26dB BW

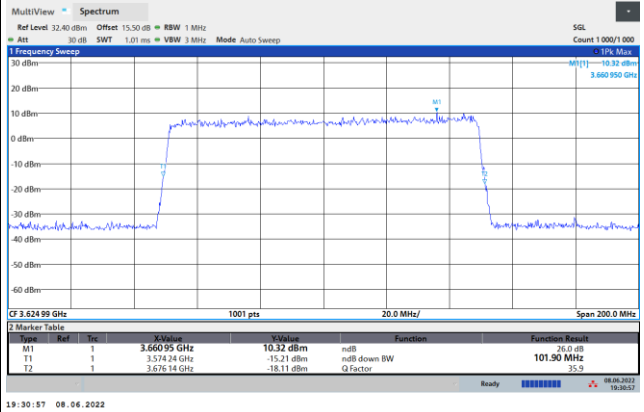
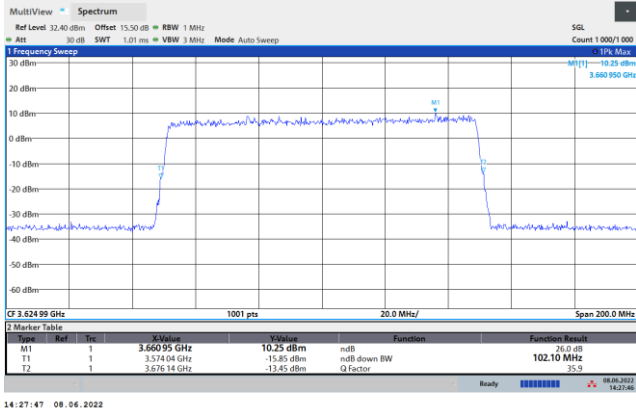
QPSK

16QAM



64QAM

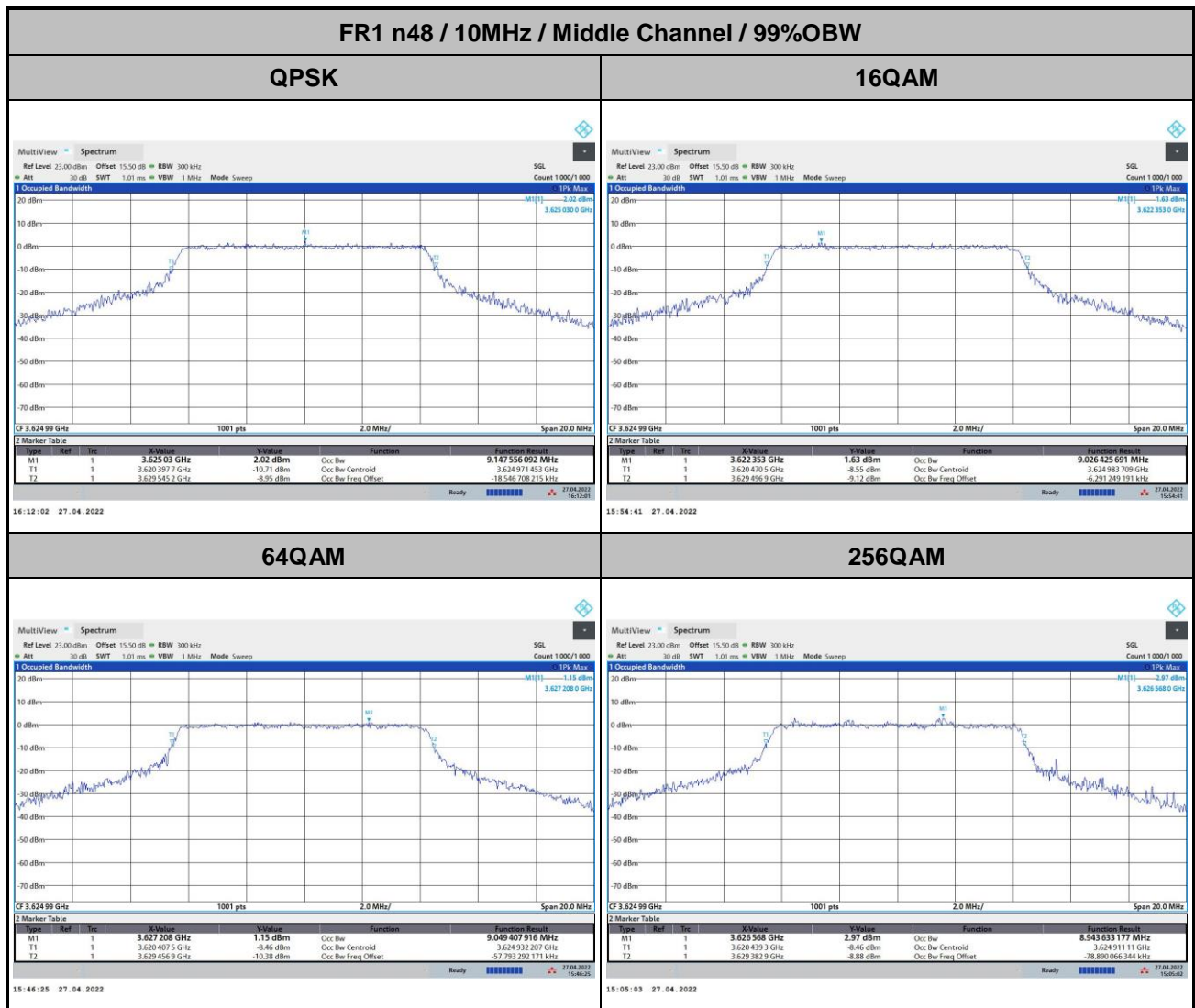
256QAM





Occupied Bandwidth

| Mode | FR1 n48 : 99%OBW (MHz) | | | | | | | |
|-----------|------------------------|--------|-------|--------|-------|--------|--------|--------|
| | 10MHz | | 20MHz | | 40MHz | | 50MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 9.14 | 9.02 | 17.95 | 17.91 | 37.64 | 37.60 | 47.63 | 47.67 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 9.04 | 8.94 | 18.03 | 17.94 | 37.65 | 37.65 | 47.62 | 47.78 |
| BW | 60MHz | | 80MHz | | 90MHz | | 100MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 58.41 | 58.50 | 77.88 | 77.82 | 87.47 | 87.53 | 96.83 | 96.88 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 58.41 | 58.20 | 77.76 | 77.77 | 87.41 | 87.33 | 96.79 | 96.91 |

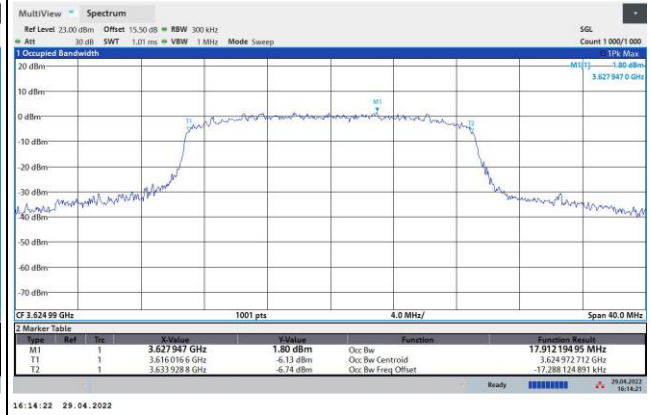
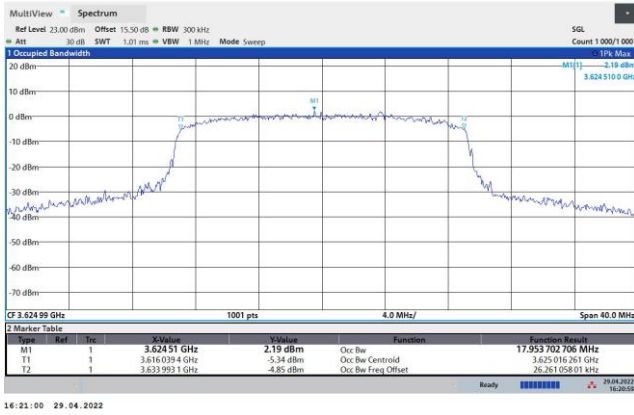




FR1 n48 / 20MHz / Middle Channel / 99%OBW

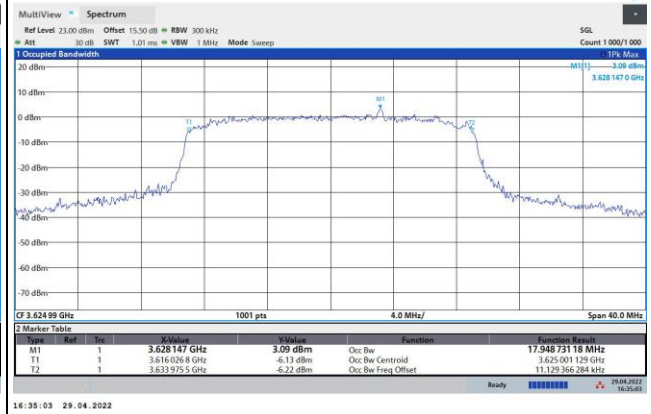
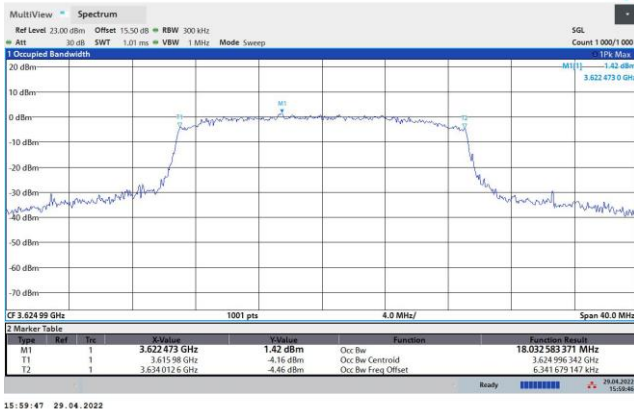
QPSK

16QAM



64QAM

256QAM

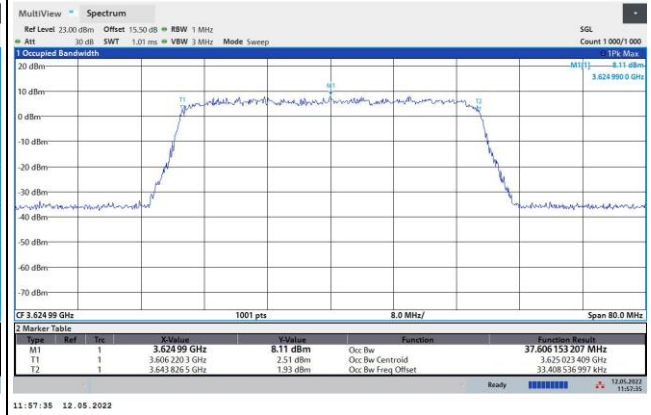
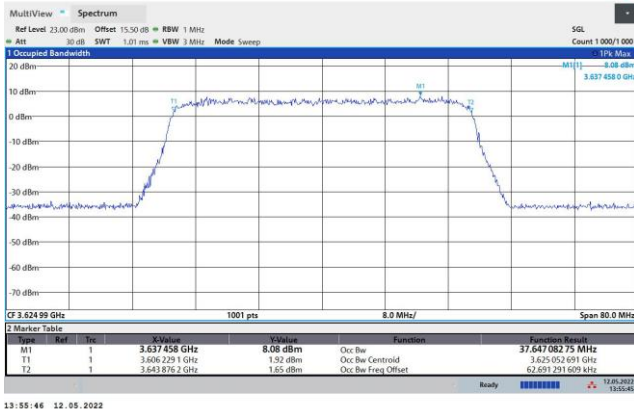




FR1 n48 / 40MHz / Middle Channel / 99%OBW

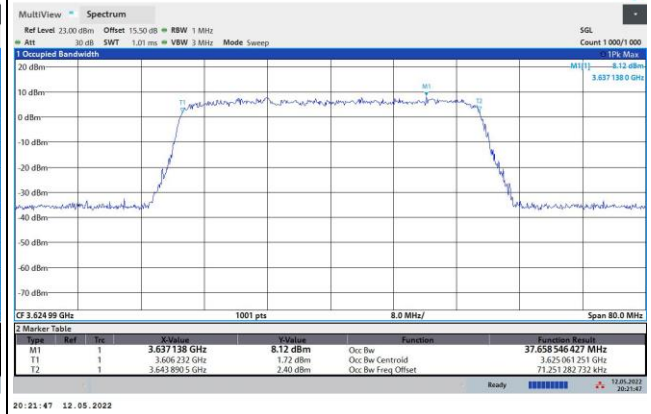
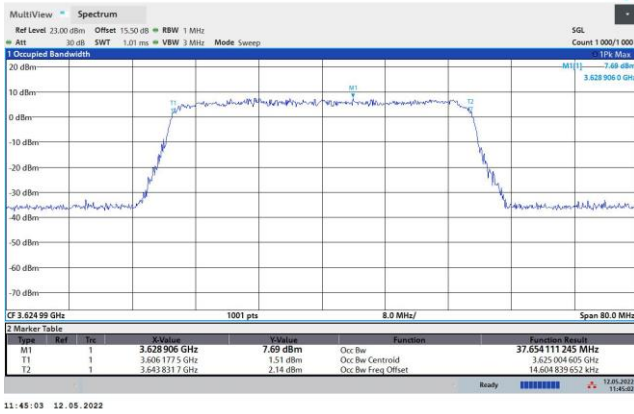
QPSK

16QAM



64QAM

256QAM

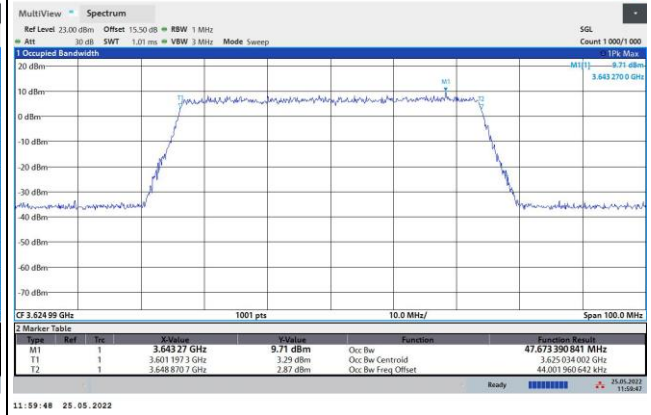
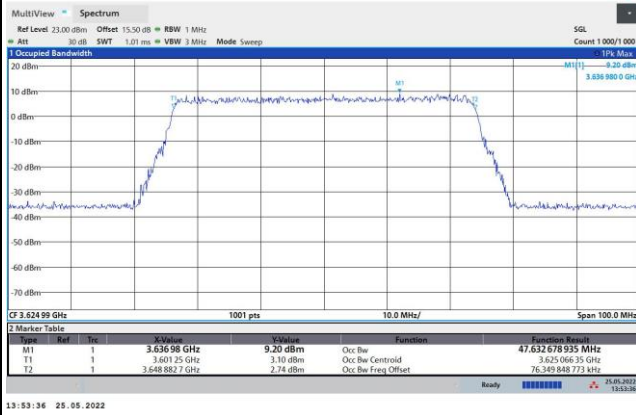




FR1 n48 / 50MHz / Middle Channel / 99%OBW

QPSK

16QAM



64QAM

256QAM

