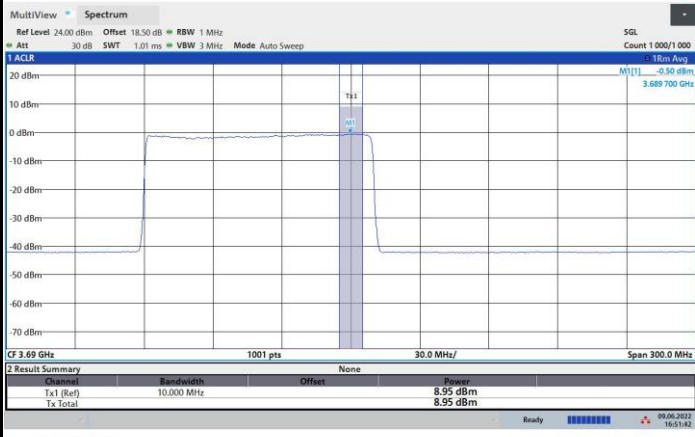




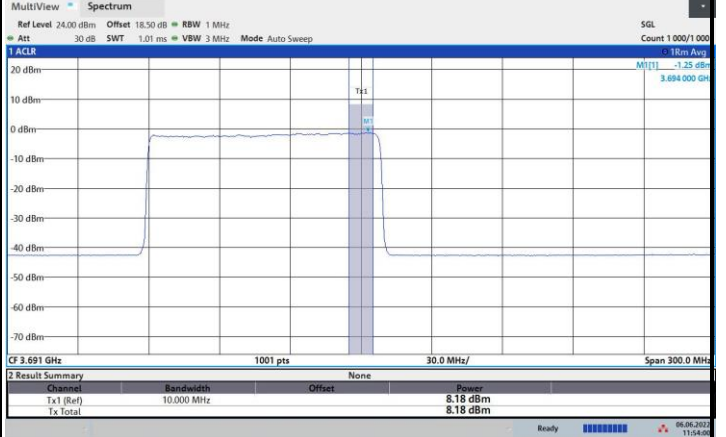
FR1 n48 / 100MHz / Highest Channel / Conducted (dBm/10MHz)

QPSK

16QAM



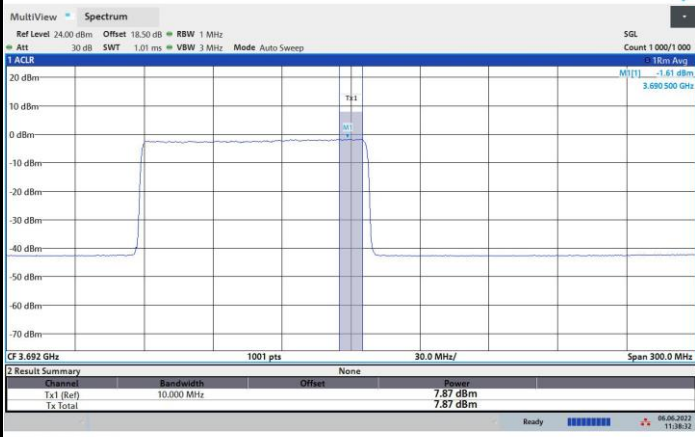
16:51:43 09.06.2022



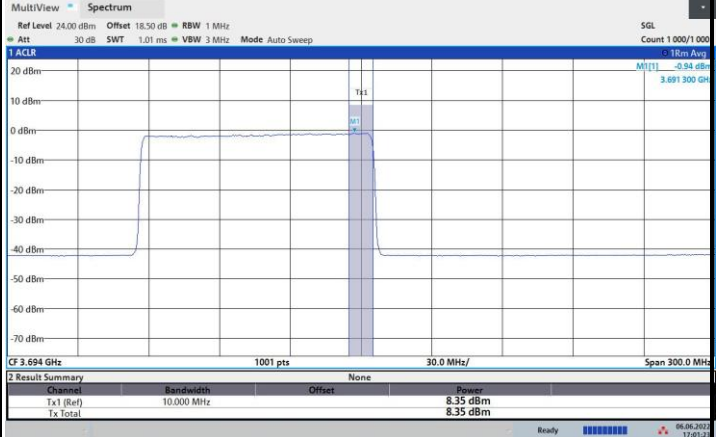
11:54:01 06.06.2022

64QAM

256QAM



11:38:33 06.06.2022



17:01:24 06.06.2022



Power Spectral Density

| Mode | FR1 n48 : Conducted PSD (dBm/MHz) | | | | | | | |
|-----------|-----------------------------------|--------|-------|--------|-------|--------|--------|--------|
| | <SISO> Lowest Channel | | | | | | | |
| BW | 10MHz | | 20MHz | | 40MHz | | 50MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | -1.20 | -0.48 | -0.57 | -1.30 | -0.77 | -1.07 | -0.94 | -1.19 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Lowest CH | -1.65 | 0.15 | -2.04 | -1.01 | -1.24 | -1.48 | -1.40 | -1.43 |
| BW | 60MHz | | 80MHz | | 90MHz | | 100MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | -0.95 | -1.25 | -0.92 | -1.26 | -1.00 | -1.19 | -1.20 | -1.40 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Lowest CH | -1.38 | -1.23 | -1.27 | -0.77 | -1.26 | -0.93 | -1.34 | -1.20 |

| Mode | FR1 n48 : EIRP PSD (dBm/MHz) | | | | | | | |
|-----------|------------------------------|--------|-------|--------|-------|--------|--------|--------|
| | <MIMO 4TX> Lowest Channel | | | | | | | |
| BW | 10MHz | | 20MHz | | 40MHz | | 50MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 11.82 | 12.54 | 12.45 | 11.72 | 12.25 | 11.95 | 12.08 | 11.83 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Lowest CH | 11.37 | 13.17 | 10.98 | 12.01 | 11.78 | 11.54 | 11.62 | 11.59 |
| BW | 60MHz | | 80MHz | | 90MHz | | 100MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 12.07 | 11.77 | 12.10 | 11.76 | 12.02 | 11.83 | 11.82 | 11.62 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Lowest CH | 11.64 | 11.79 | 11.75 | 12.25 | 11.76 | 12.09 | 11.68 | 11.82 |
| Limit | 20dBm/MHz | | | | | | | |
| Result | PASS | | | | | | | |

Note

1. The measured conducted PSD result has included duty cycle offset factor.
2. The EIRP PSD = conducted PSD result + 6.02dB (4TX) + 7dBi MIMO antenna gain.



| Mode | FR1 n48 : Conducted PSD (dBm/MHz) <SISO> Middle Channel | | | | | | | |
|-----------|--|--------|-------|--------|-------|--------|--------|--------|
| | 10MHz | | 20MHz | | 40MHz | | 50MHz | |
| BW | | | | | | | | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | -0.61 | -0.54 | -1.45 | -1.73 | -1.66 | -2.05 | -1.11 | -1.09 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | -1.19 | -1.44 | -2.11 | -1.40 | -2.24 | -1.91 | -1.54 | -1.50 |
| BW | 60MHz | | 80MHz | | 90MHz | | 100MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | -0.87 | -1.37 | -0.85 | -1.23 | -1.05 | -0.83 | -0.82 | -1.00 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | -1.70 | -1.28 | -1.18 | -1.31 | -1.36 | -1.10 | -1.43 | -1.18 |

| Mode | FR1 n48 : EIRP PSD (dBm/MHz) <MIMO 4TX> Middle Channel | | | | | | | |
|-----------|---|--------|-------|--------|-------|--------|--------|--------|
| | 10MHz | | 20MHz | | 40MHz | | 50MHz | |
| BW | | | | | | | | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 12.41 | 12.48 | 11.57 | 11.29 | 11.36 | 10.97 | 11.91 | 11.93 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 11.83 | 11.58 | 10.91 | 11.62 | 10.78 | 11.11 | 11.48 | 11.52 |
| BW | 60MHz | | 80MHz | | 90MHz | | 100MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 12.15 | 11.65 | 12.17 | 11.79 | 11.97 | 12.19 | 12.20 | 12.02 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 11.32 | 11.74 | 11.84 | 11.71 | 11.66 | 11.92 | 11.59 | 11.84 |
| Limit | 20dBm/MHz | | | | | | | |
| Result | PASS | | | | | | | |

Note

1. The measured conducted PSD result has included duty cycle offset factor.
2. The EIRP PSD = conducted PSD result + 6.02dB (4TX) + 7dBi MIMO antenna gain.



| Mode | FR1 n48 : Conducted PSD (dBm/MHz) <SISO> Highest Channel | | | | | | | |
|------------|---|--------|-------|--------|-------|--------|--------|--------|
| | 10MHz | | 20MHz | | 40MHz | | 50MHz | |
| BW | | | | | | | | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Highest CH | -0.68 | -0.79 | -1.17 | -1.86 | -0.75 | -1.14 | -1.45 | -1.52 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Highest CH | -1.06 | -0.26 | -1.65 | -1.93 | -1.33 | -2.05 | -1.87 | -1.89 |
| BW | 60MHz | | 80MHz | | 90MHz | | 100MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Highest CH | -1.62 | -1.81 | -1.18 | -1.36 | -0.82 | -0.94 | -0.50 | -1.17 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Highest CH | -1.85 | -1.82 | -1.34 | -0.96 | -1.11 | -1.11 | -1.45 | -0.71 |

| Mode | FR1 n48 : EIRP PSD (dBm/MHz) <MIMO 4TX> Highest Channel | | | | | | | |
|------------|--|--------|-------|--------|-------|--------|--------|--------|
| | 10MHz | | 20MHz | | 40MHz | | 50MHz | |
| BW | | | | | | | | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Highest CH | 12.34 | 12.23 | 11.85 | 11.16 | 12.27 | 11.88 | 11.57 | 11.50 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Highest CH | 11.96 | 12.76 | 11.37 | 11.09 | 11.69 | 10.97 | 11.15 | 11.13 |
| BW | 60MHz | | 80MHz | | 90MHz | | 100MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Highest CH | 11.40 | 11.21 | 11.84 | 11.66 | 12.20 | 12.08 | 12.52 | 11.85 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Highest CH | 11.17 | 11.20 | 11.68 | 12.06 | 11.91 | 11.91 | 11.57 | 12.31 |
| Limit | 20dBm/MHz | | | | | | | |
| Result | PASS | | | | | | | |

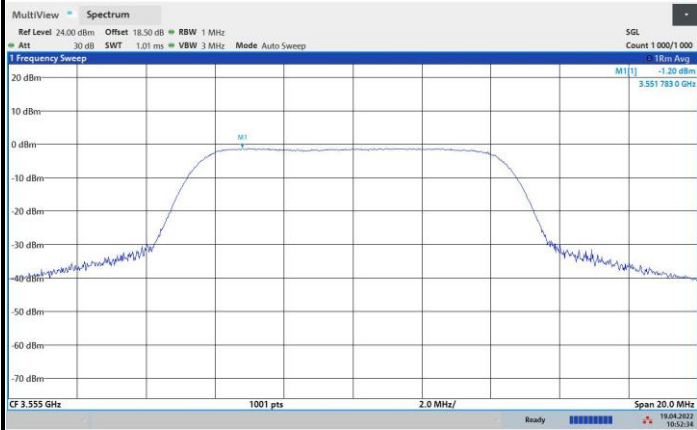
Note

1. The measured conducted PSD result has included duty cycle offset factor.
2. The EIRP PSD = conducted PSD result + 6.02dB (4TX) + 7dBi MIMO antenna gain.



FR1 n48 / 10MHz / Lowest Channel / PSD

QPSK



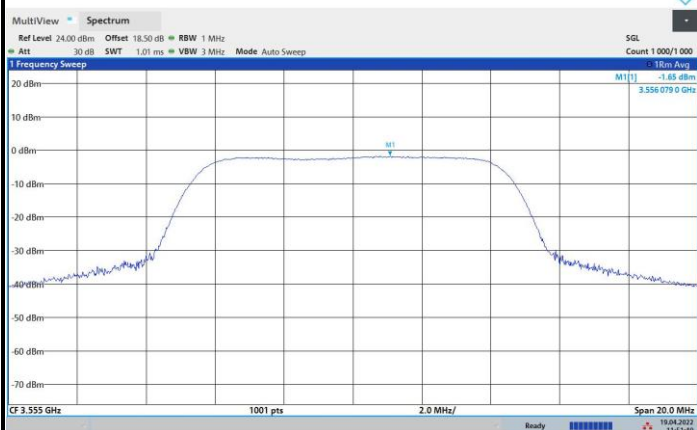
10:52:35 19.04.2022

16QAM



14:00:25 19.04.2022

64QAM



11:51:41 19.04.2022

256QAM

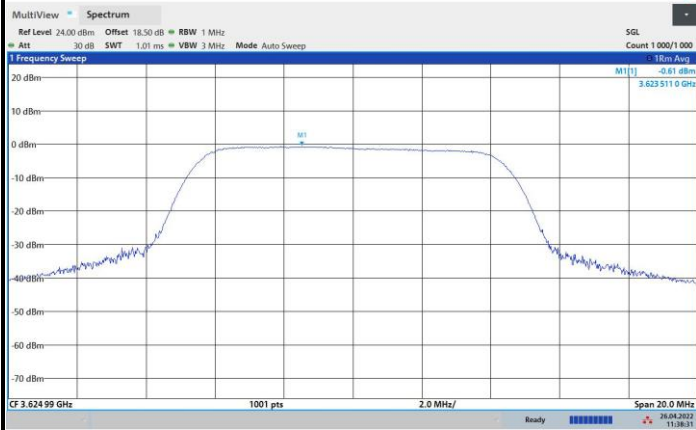


14:53:33 19.04.2022

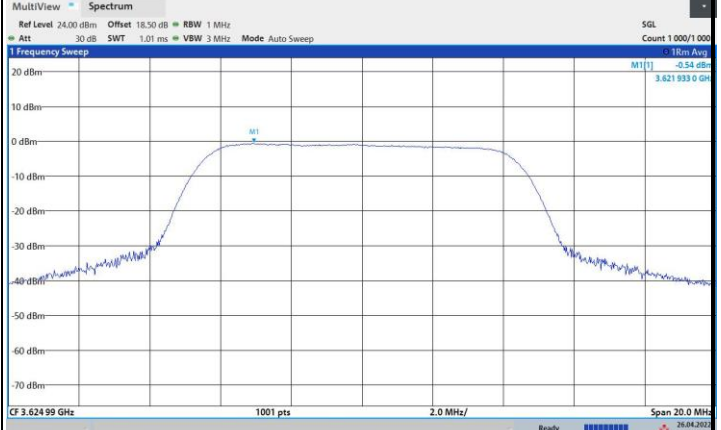


FR1 n48 / 10MHz / Middle Channel / PSD

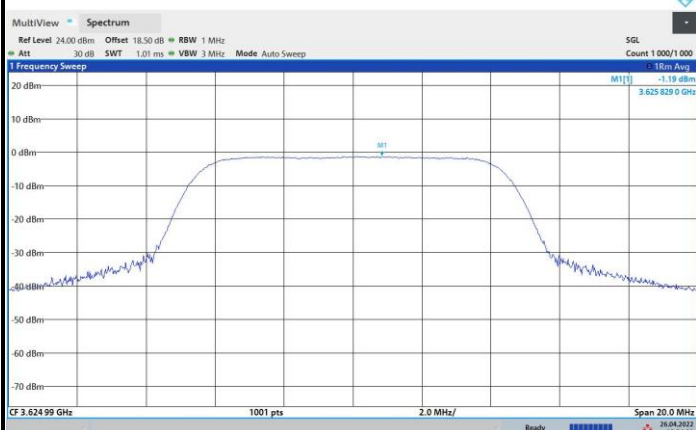
QPSK



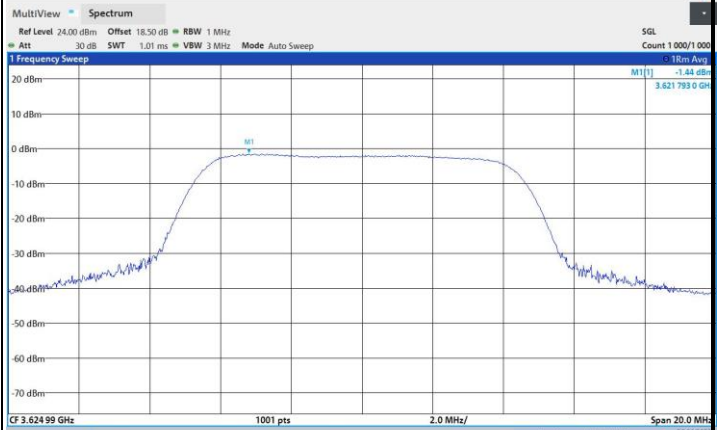
16QAM



64QAM



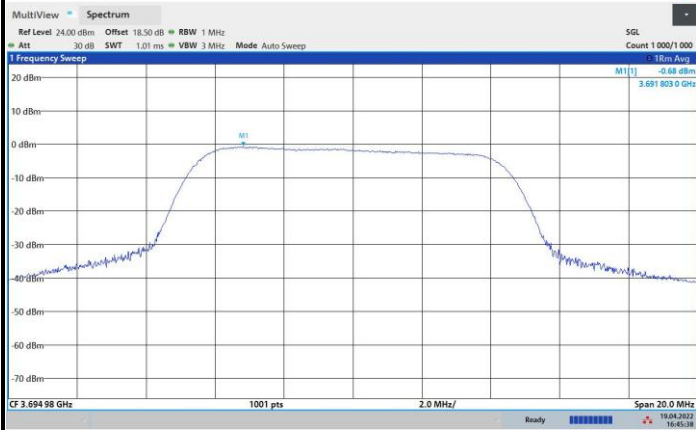
256QAM





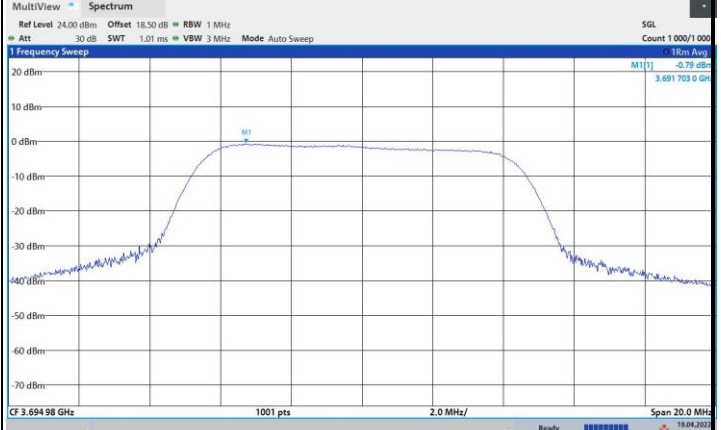
FR1 n48 / 10MHz / Highest Channel / PSD

QPSK



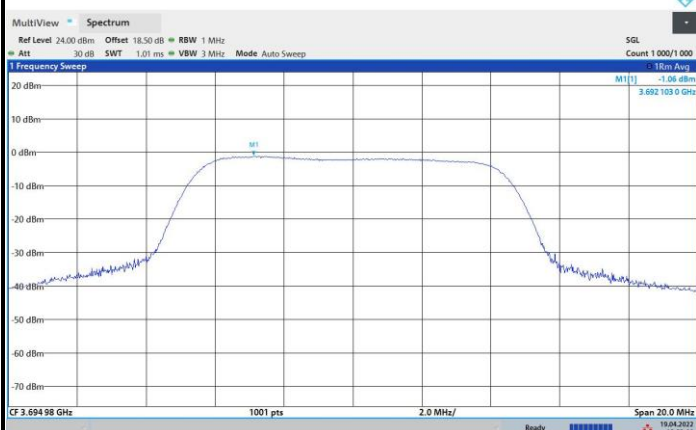
16:45:39 19.04.2022

16QAM



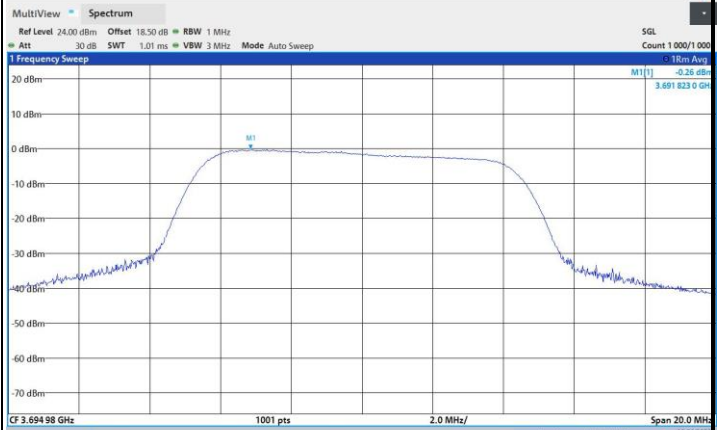
16:26:29 19.04.2022

64QAM



15:53:00 19.04.2022

256QAM

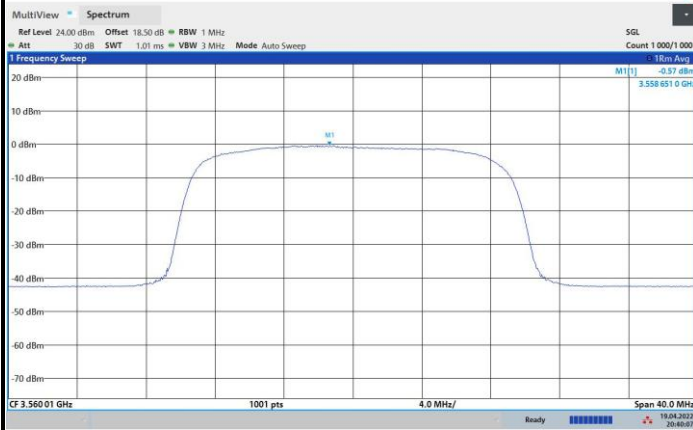


15:30:08 19.04.2022



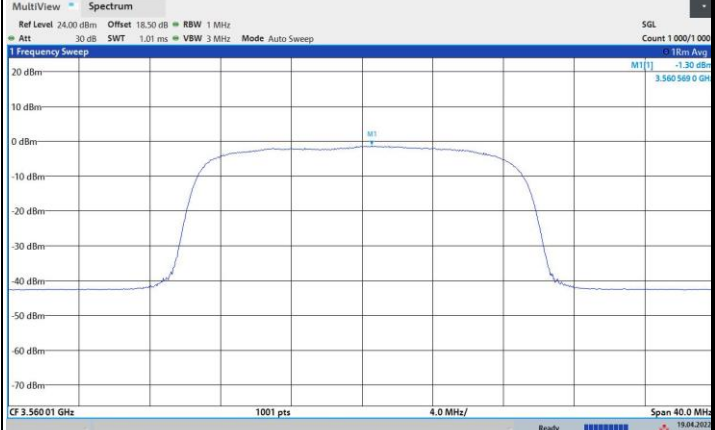
FR1 n48 / 20MHz / Lowest Channel / PSD

QPSK



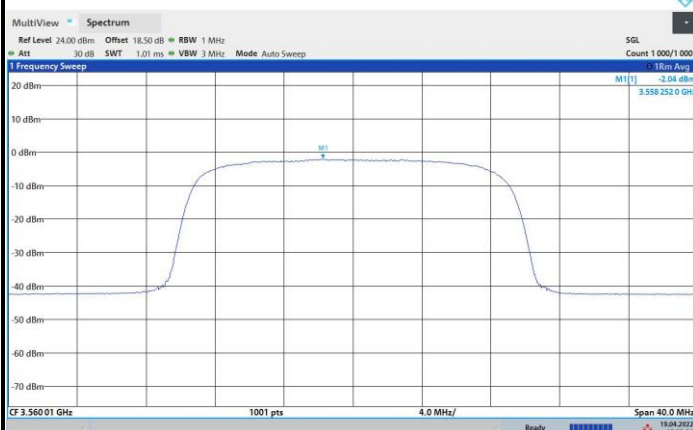
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16QAM



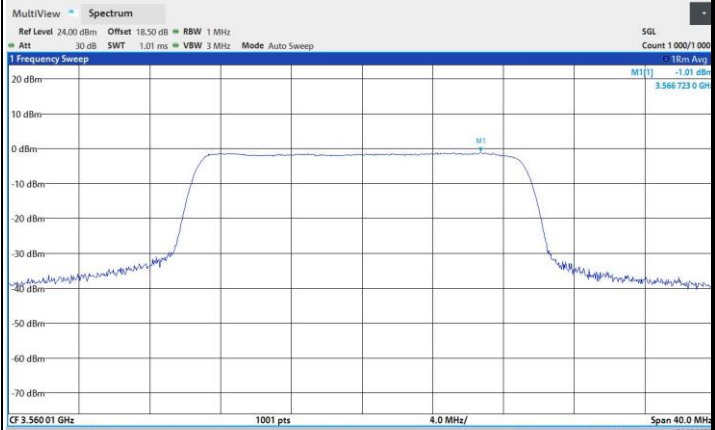
20:07:54 19.04.2022

64QAM



17:22:22 19.04.2022

256QAM

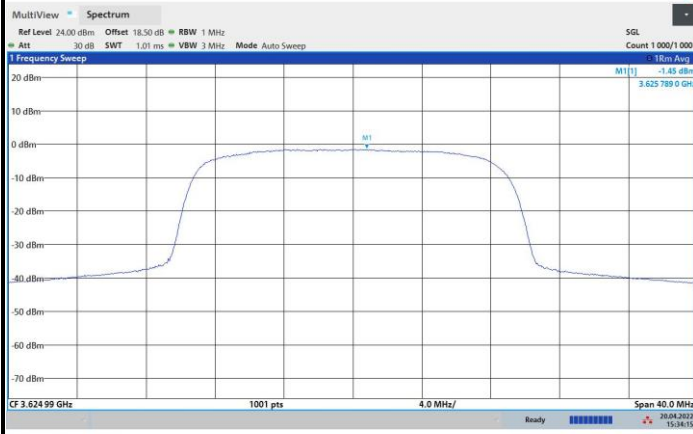


20:15:05 21.05.2022



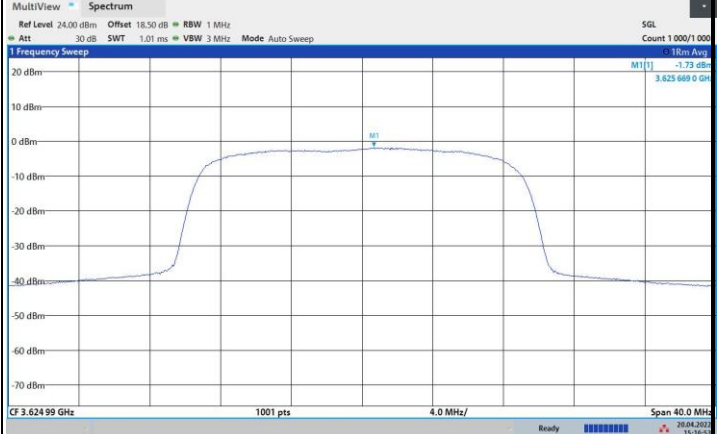
FR1 n48 / 20MHz / Middle Channel / PSD

QPSK



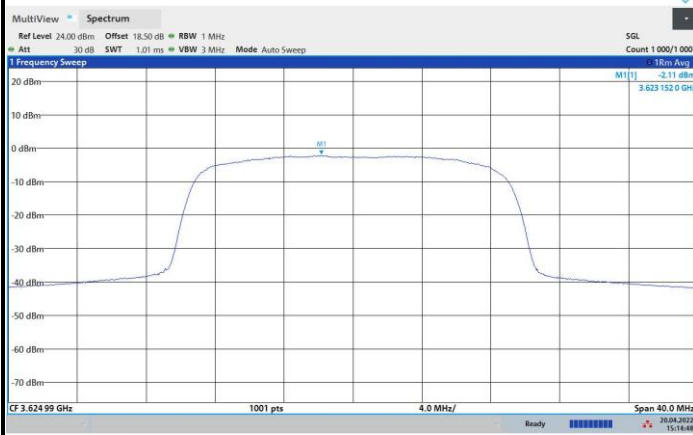
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16QAM



15:16:54 20.04.2022

64QAM



15:14:48 20.04.2022

256QAM

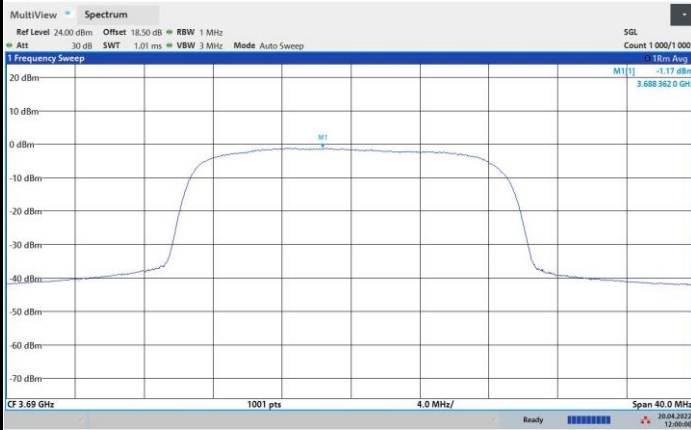


21:41:14 21.05.2022

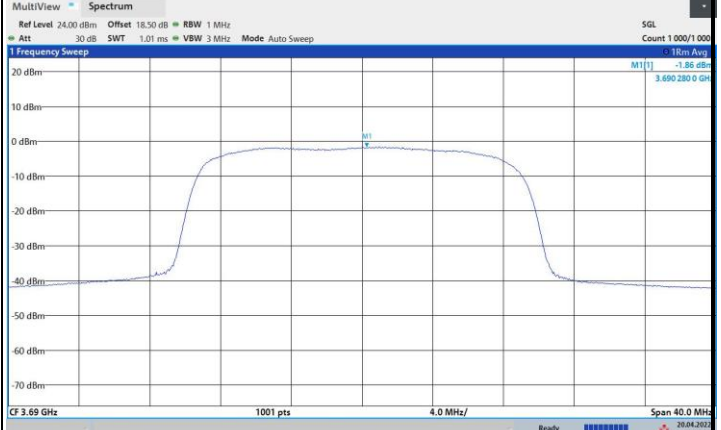


FR1 n48 / 20MHz / Highest Channel / PSD

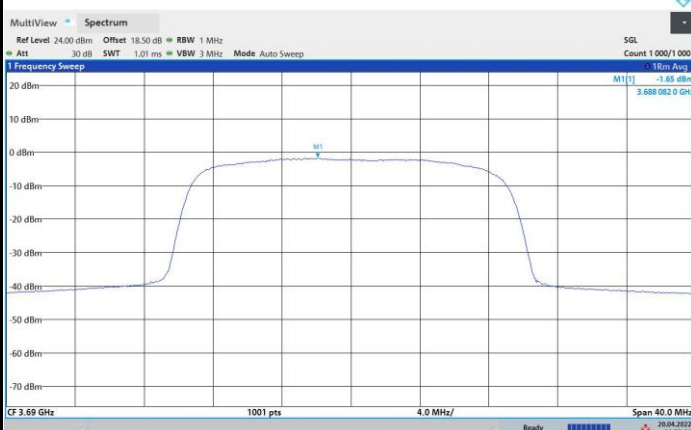
QPSK



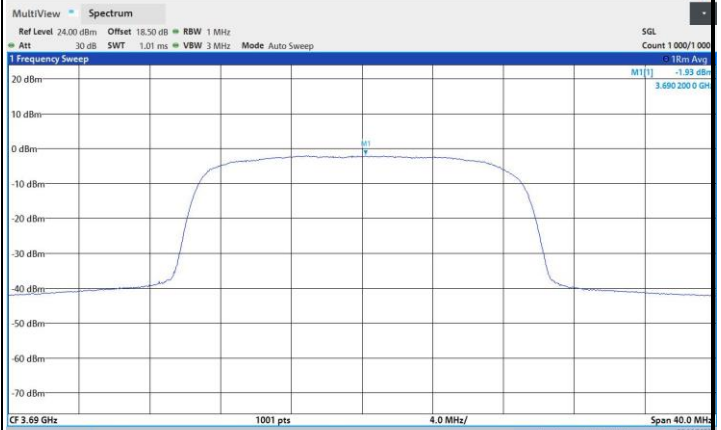
16QAM



64QAM



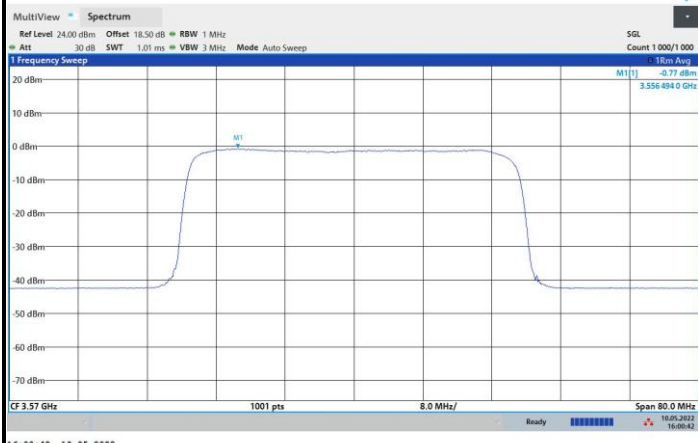
256QAM





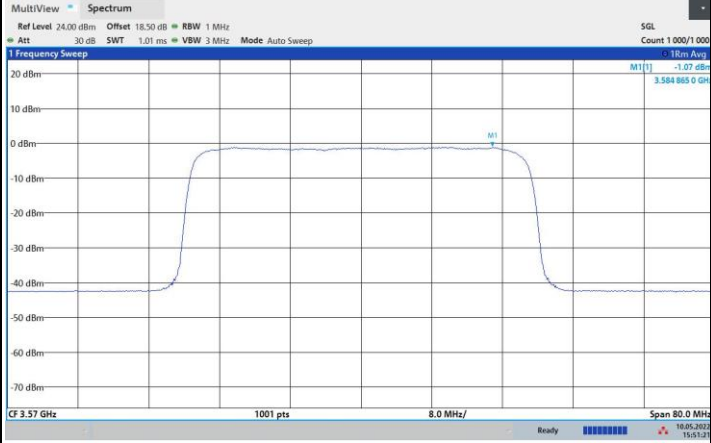
FR1 n48 / 40MHz / Lowest Channel / PSD

QPSK



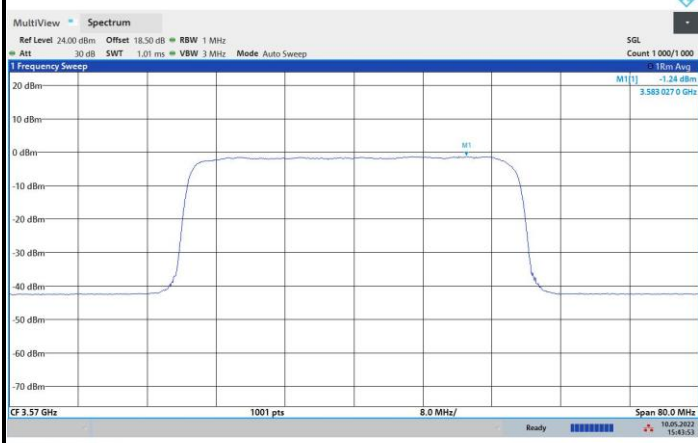
16:00:42 10.05.2022

16QAM



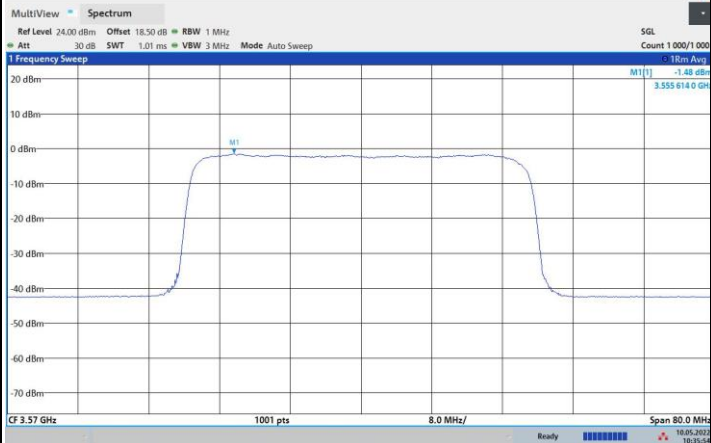
15:51:22 10.05.2022

64QAM



15:43:53 10.05.2022

256QAM

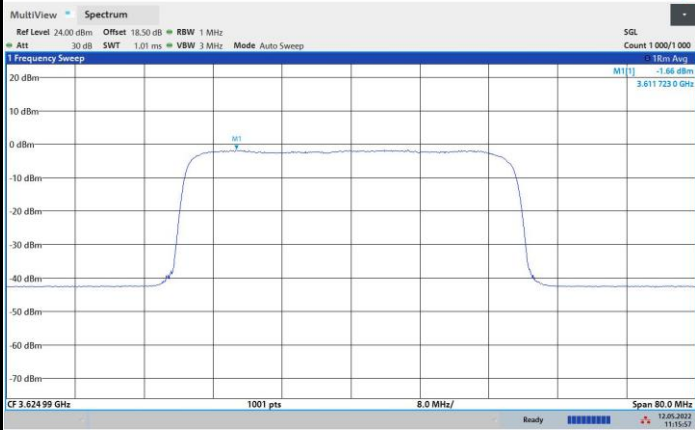


10:35:55 10.05.2022



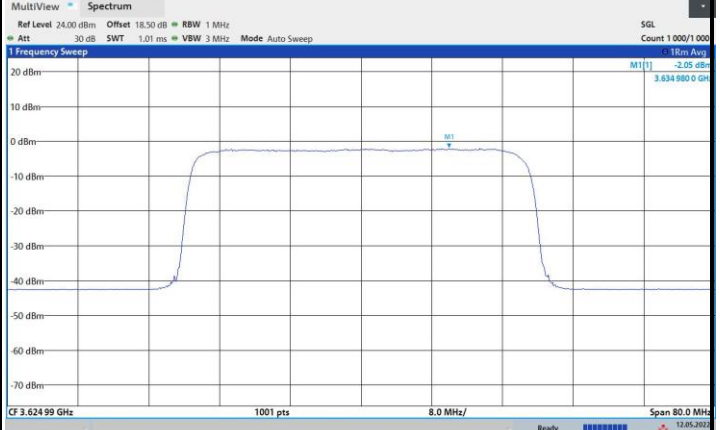
FR1 n48 / 40MHz / Middle Channel / PSD

QPSK



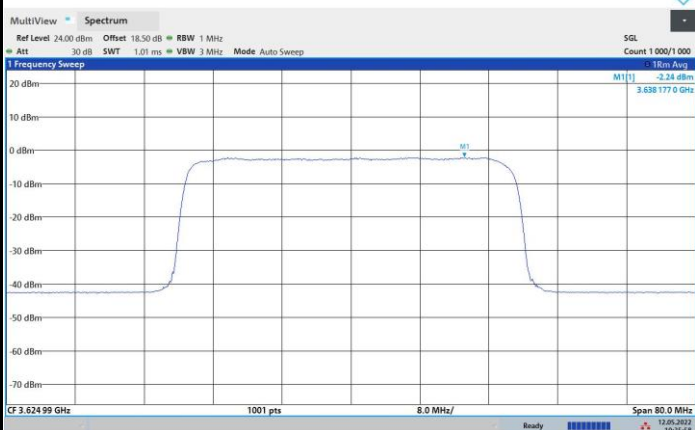
11:15:57 12.05.2022

16QAM



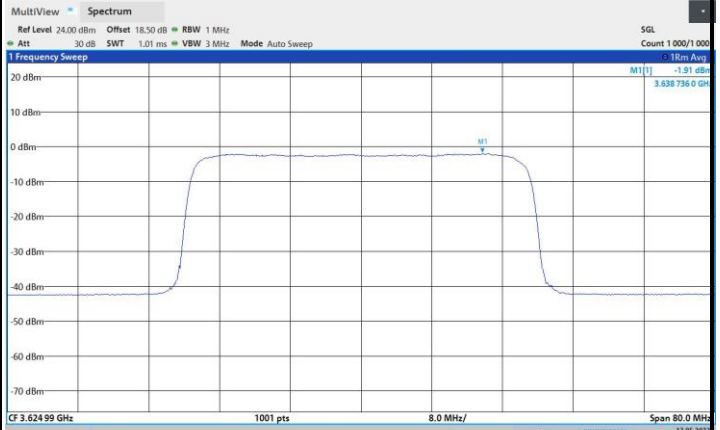
10:54:10 12.05.2022

64QAM



10:35:59 12.05.2022

256QAM



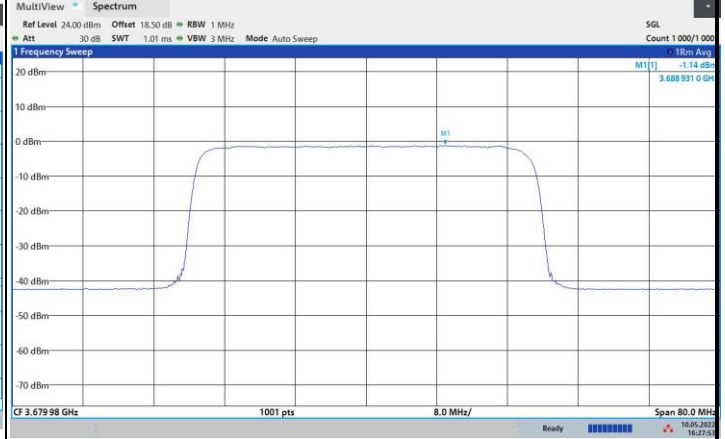
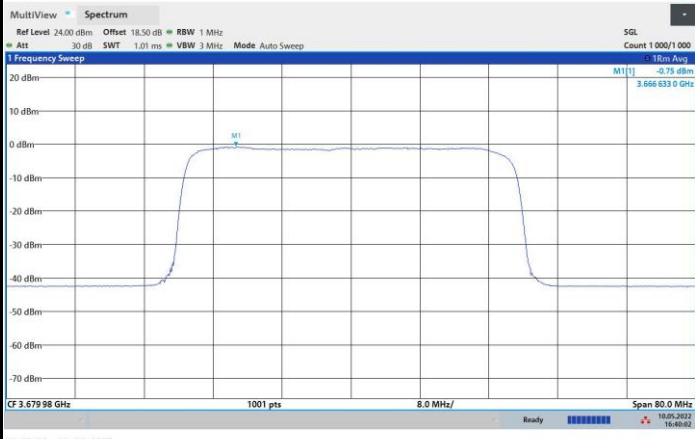
20:43:45 12.05.2022



FR1 n48 / 40MHz / Highest Channel / PSD

QPSK

16QAM

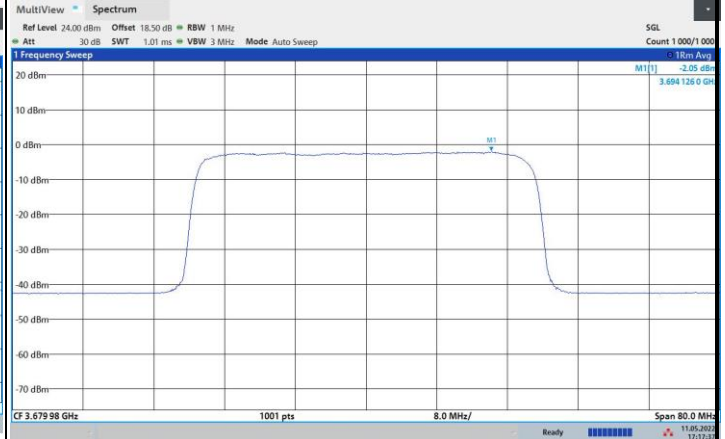
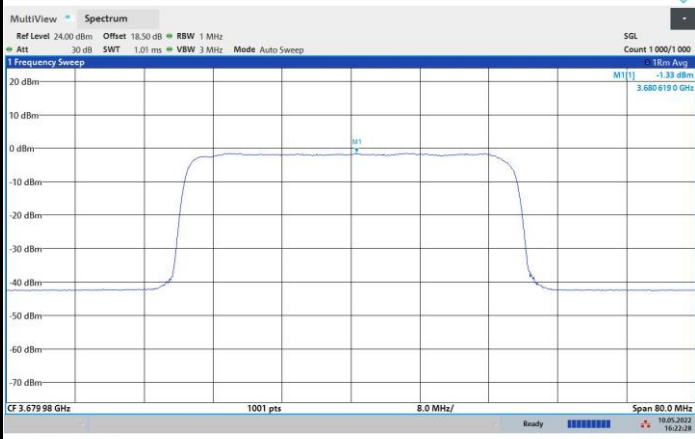


16:40:03 10.05.2022

16:27:53 10.05.2022

64QAM

256QAM



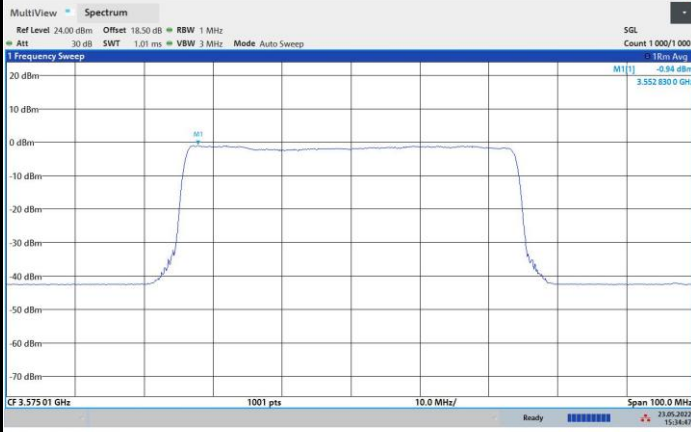
16:22:29 10.05.2022

17:17:38 11.05.2022



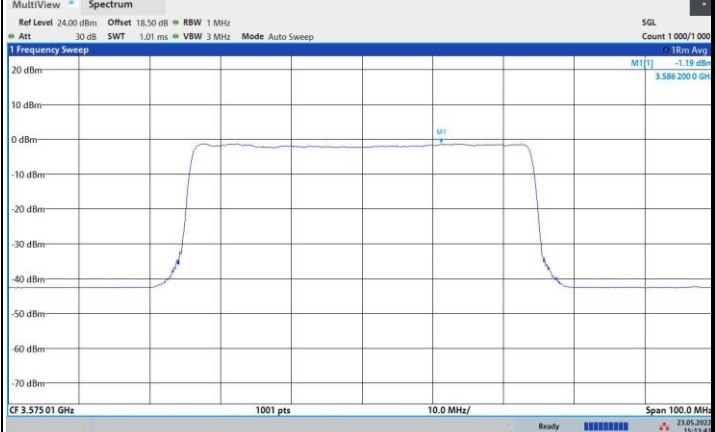
FR1 n48 / 50MHz / Lowest Channel / PSD

QPSK



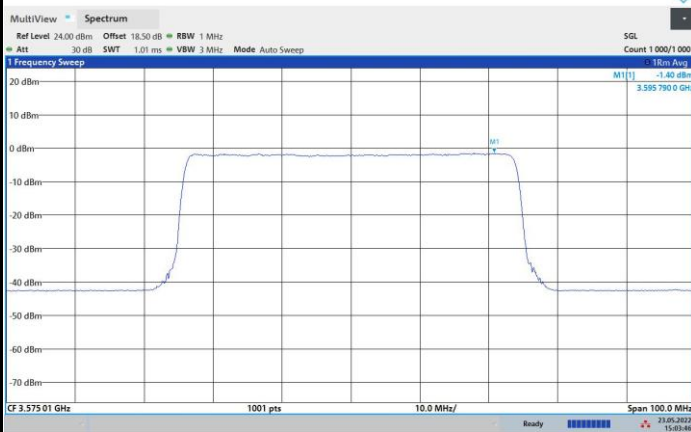
15:34:48 23.05.2022

16QAM



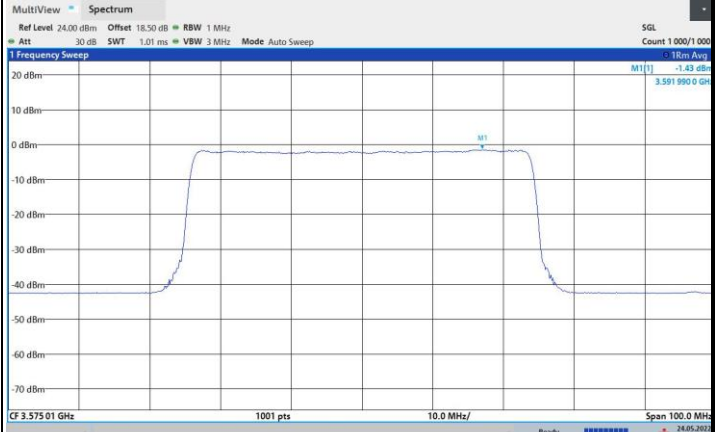
15:13:44 23.05.2022

64QAM



15:03:46 23.05.2022

256QAM

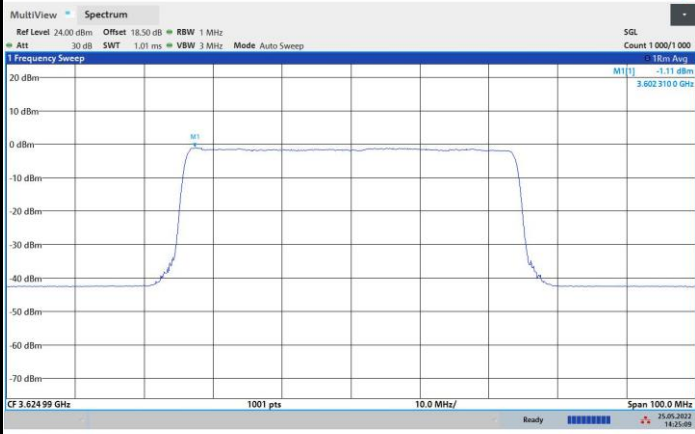


16:31:12 24.05.2022



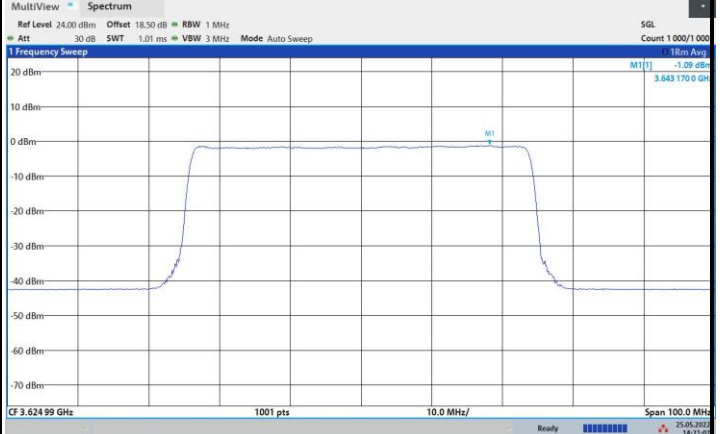
FR1 n48 / 50MHz / Middle Channel / PSD

QPSK



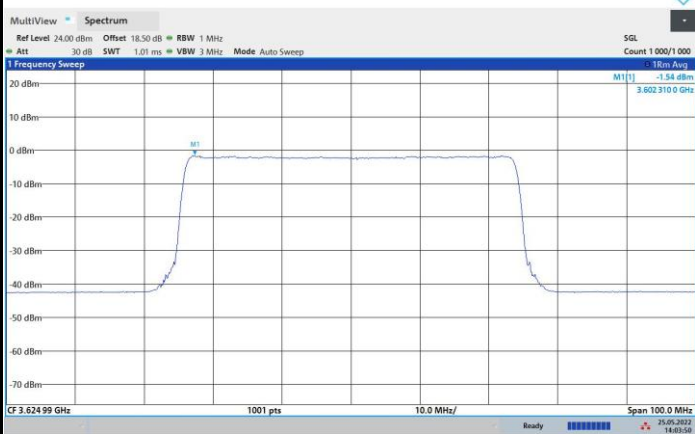
14:25:09 25.05.2022

16QAM



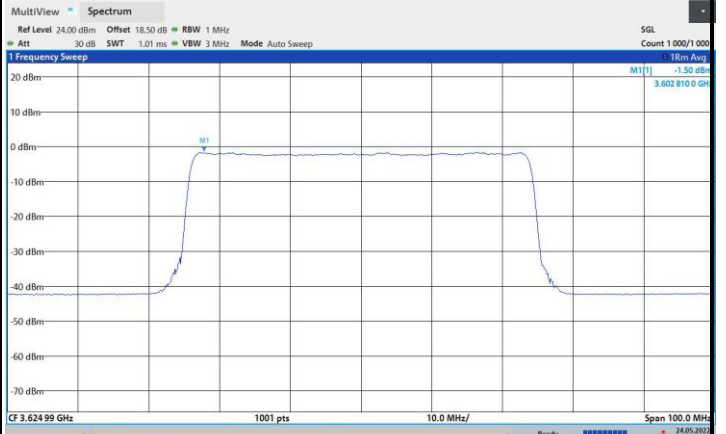
14:21:08 25.05.2022

64QAM



14:03:50 25.05.2022

256QAM

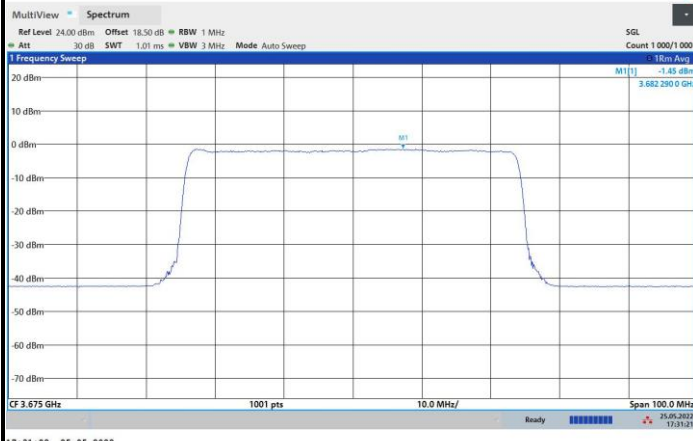


17:04:38 24.05.2022



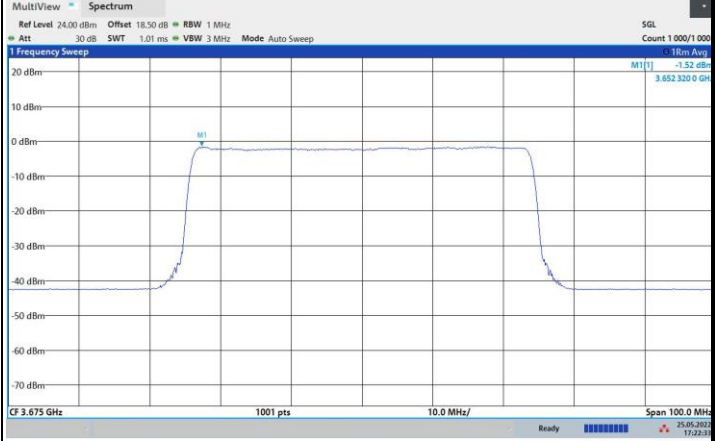
FR1 n48 / 50MHz / Highest Channel / PSD

QPSK



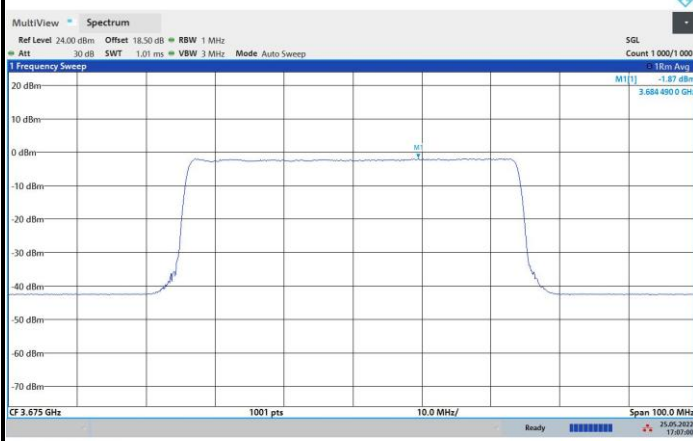
17:31:22 25.05.2022

16QAM



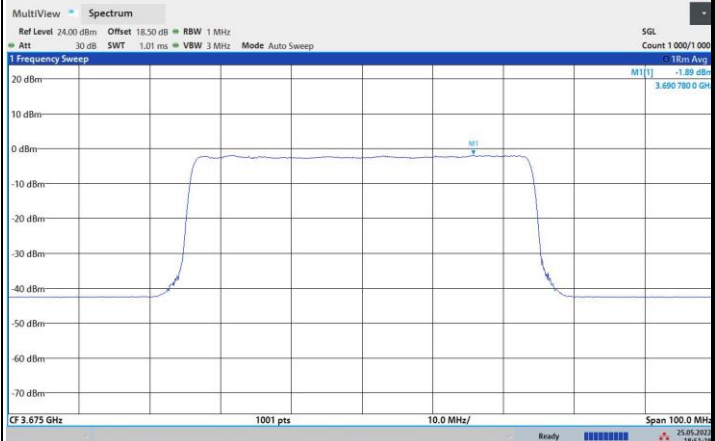
17:22:34 25.05.2022

64QAM



17:07:00 25.05.2022

256QAM

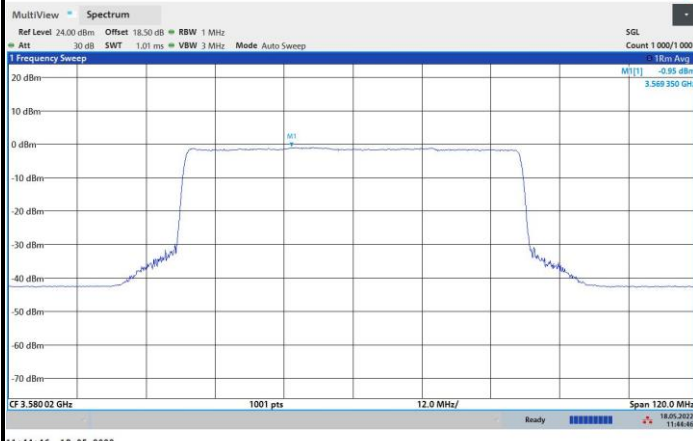


18:51:29 25.05.2022

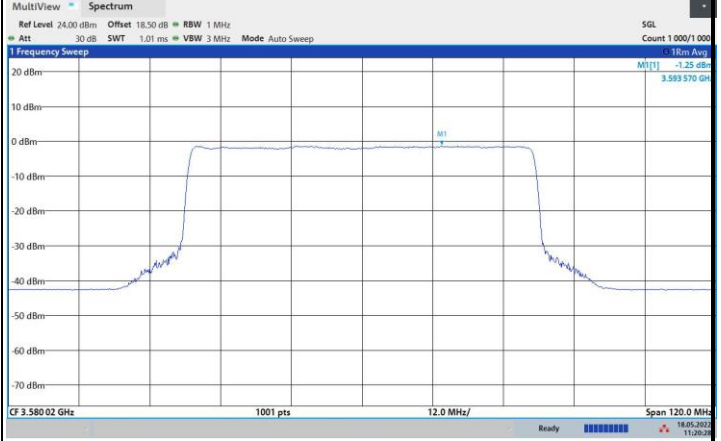


FR1 n48 / 60MHz / Lowest Channel / PSD

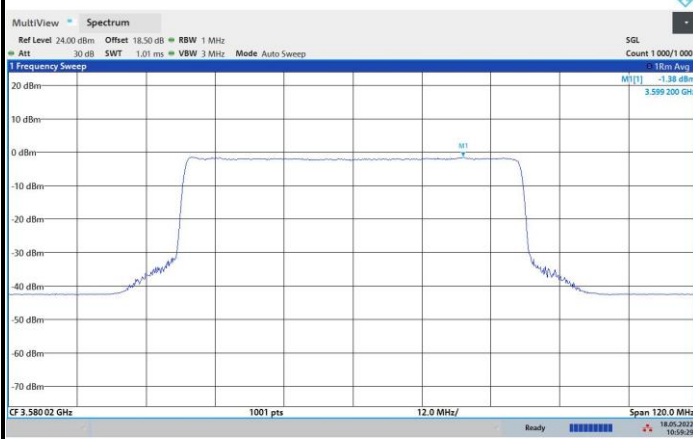
QPSK



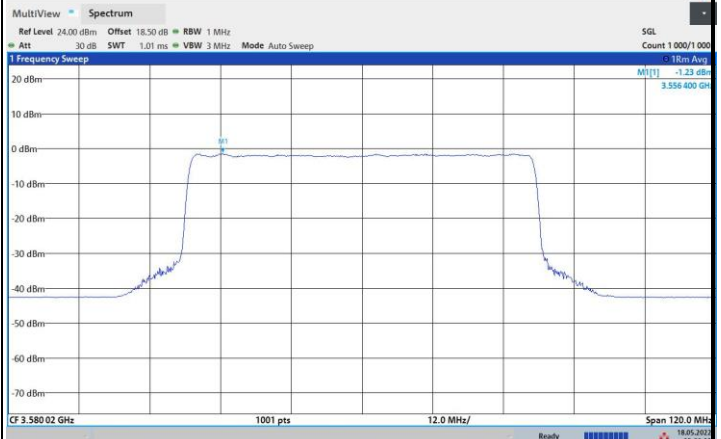
16QAM



64QAM



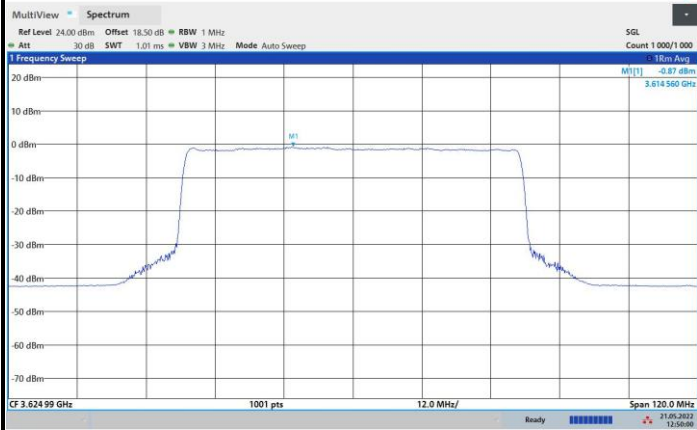
256QAM



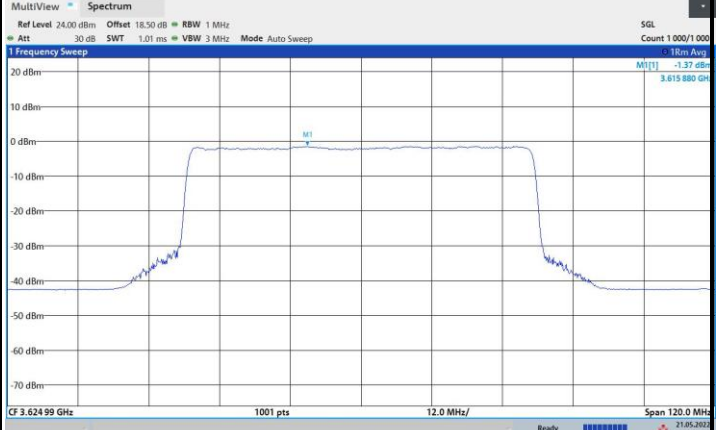


FR1 n48 / 60MHz / Middle Channel / PSD

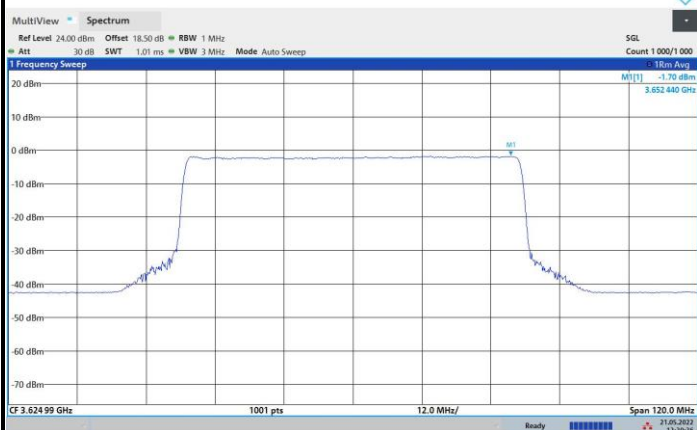
QPSK



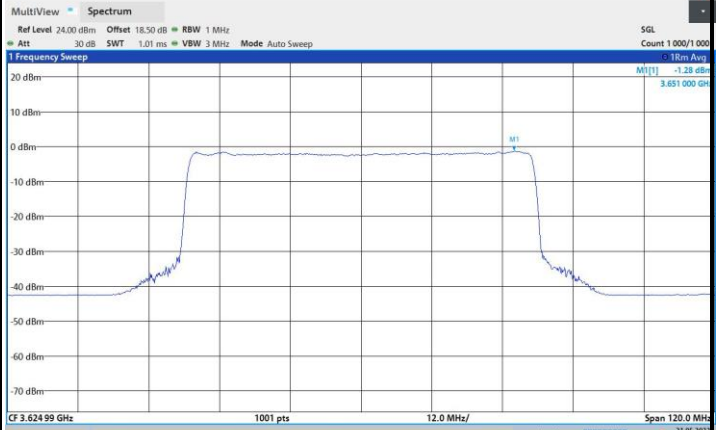
16QAM



64QAM



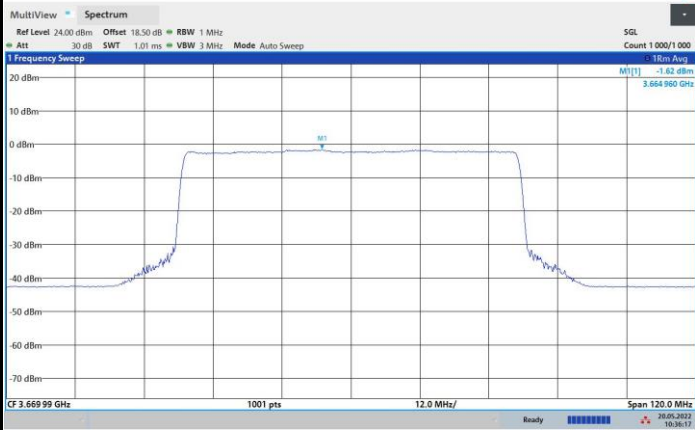
256QAM





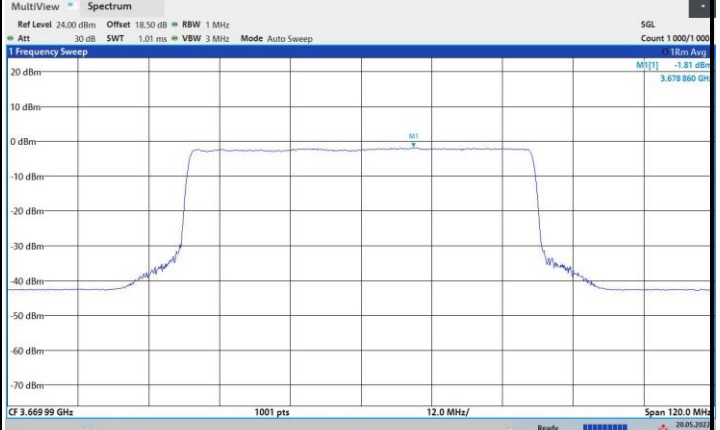
FR1 n48 / 60MHz / Highest Channel / PSD

QPSK



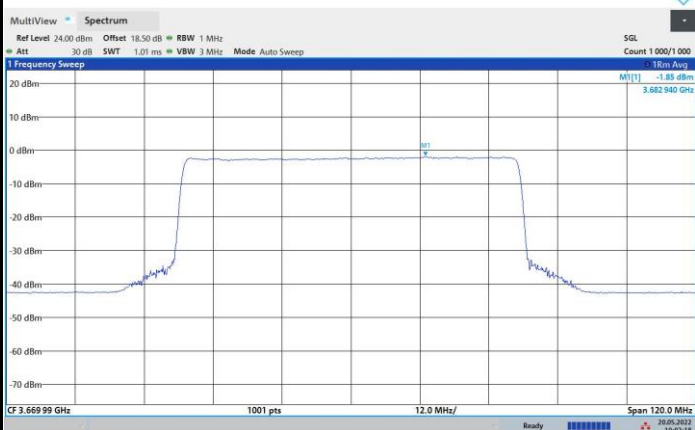
10:36:17 20.05.2022

16QAM



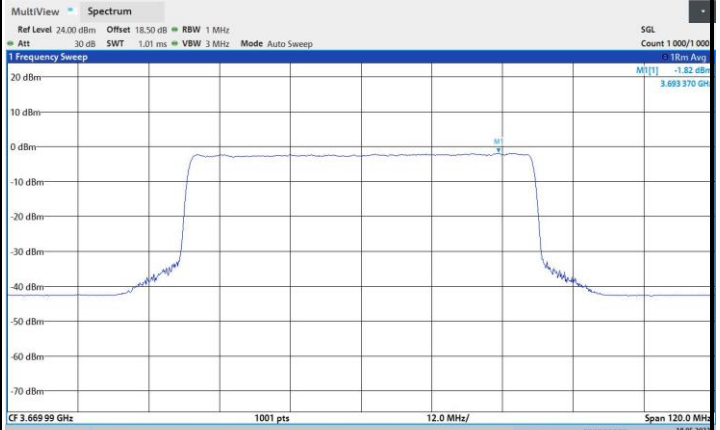
10:25:08 20.05.2022

64QAM



10:02:18 20.05.2022

256QAM

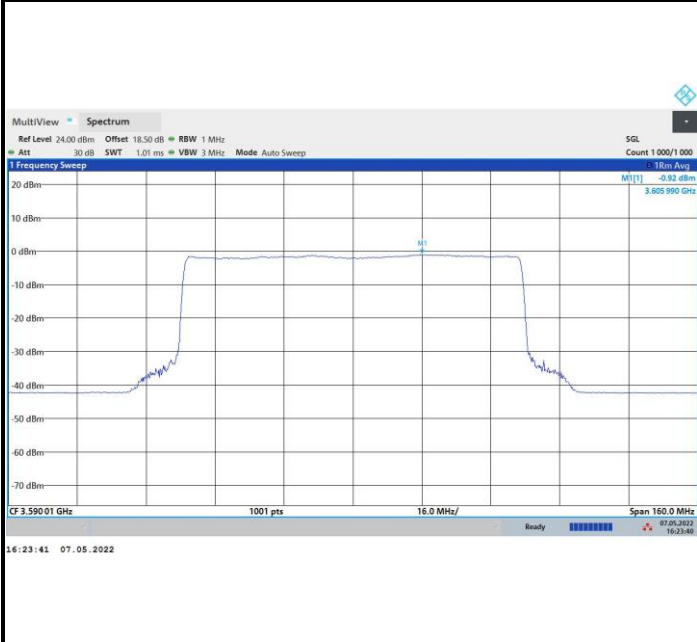


15:30:18 18.05.2022

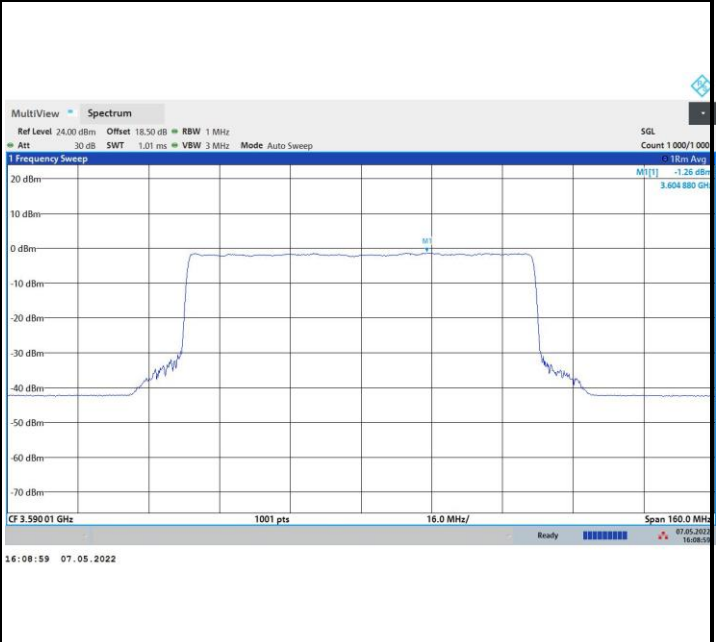


FR1 n48 / 80MHz / Lowest Channel / PSD

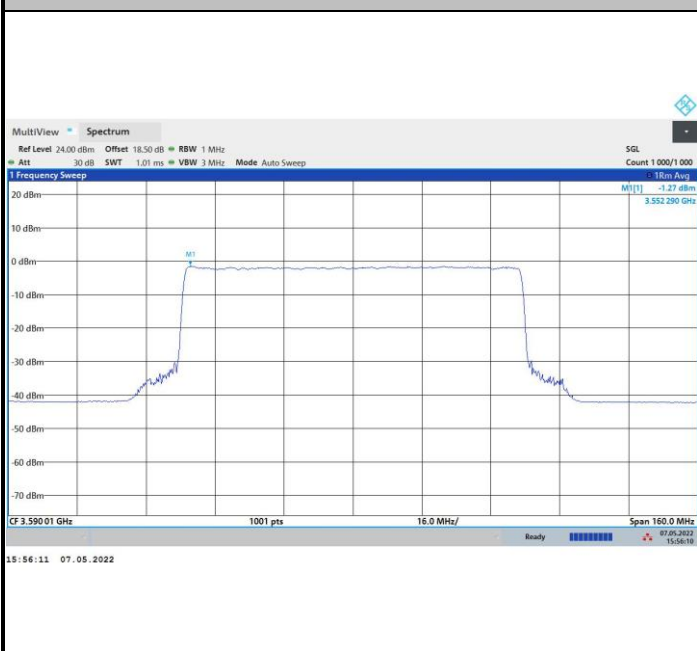
QPSK



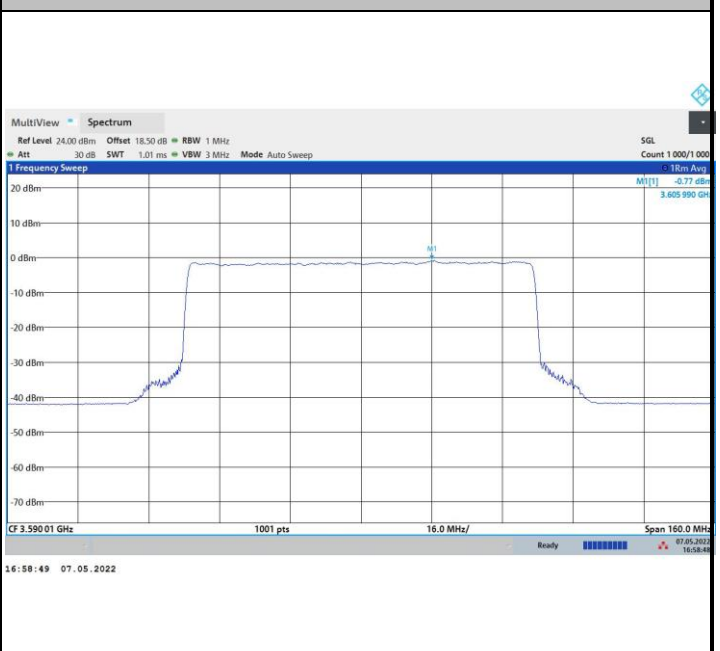
16QAM



64QAM



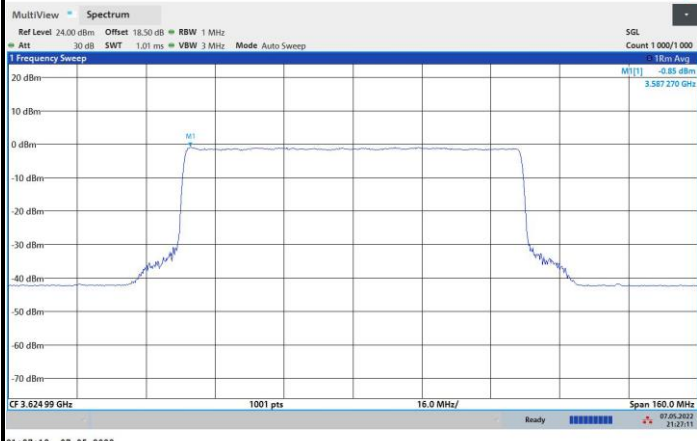
256QAM



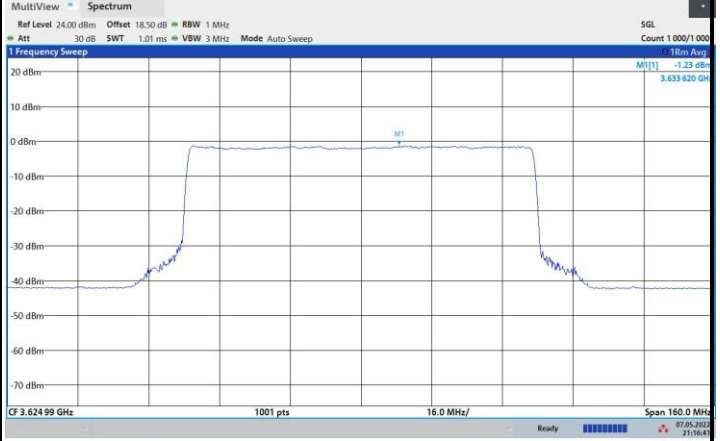


FR1 n48 / 80MHz / Middle Channel / PSD

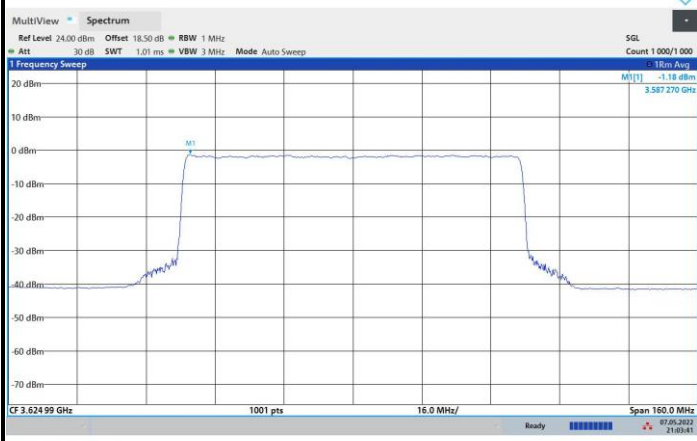
QPSK



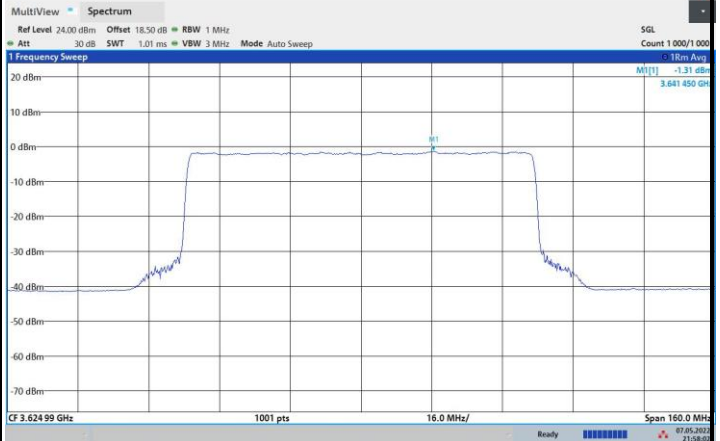
16QAM



64QAM



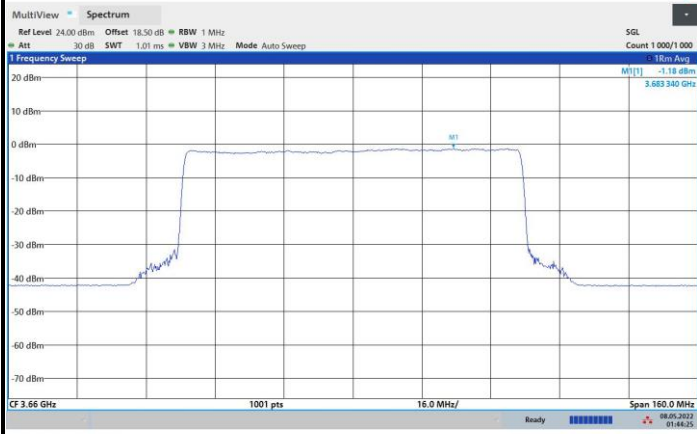
256QAM





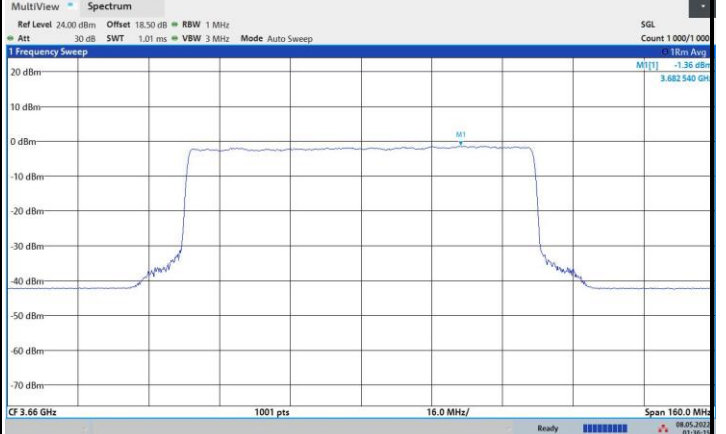
FR1 n48 / 80MHz / Highest Channel / PSD

QPSK



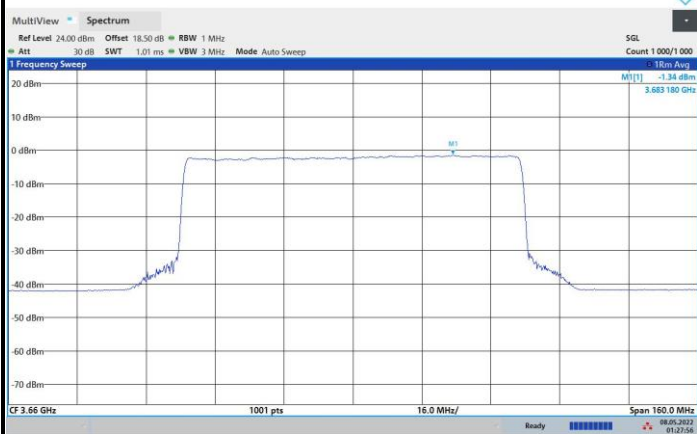
01:44:25 08.05.2022

16QAM



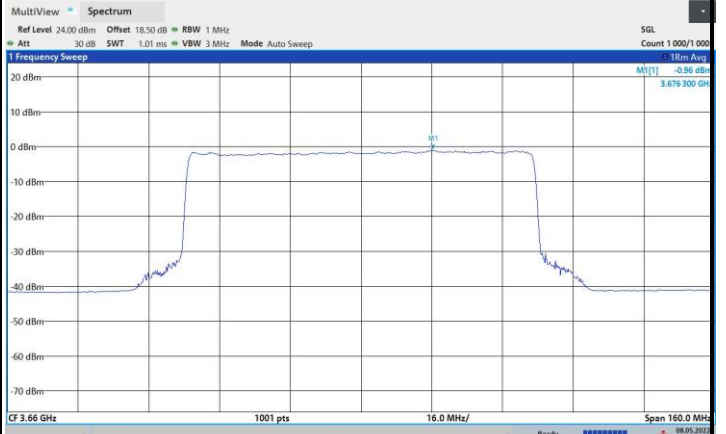
01:36:16 08.05.2022

64QAM



01:27:56 08.05.2022

256QAM

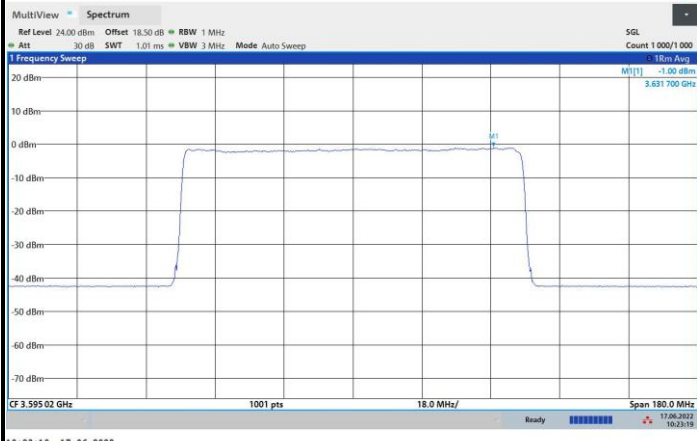


01:59:57 08.05.2022



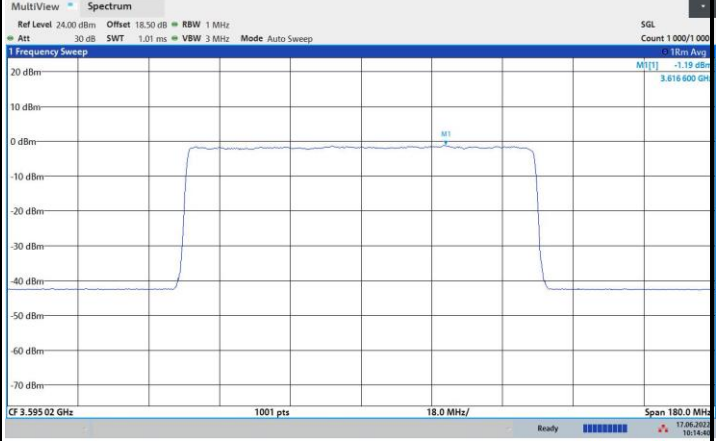
FR1 n48 / 90MHz / Lowest Channel / PSD

QPSK



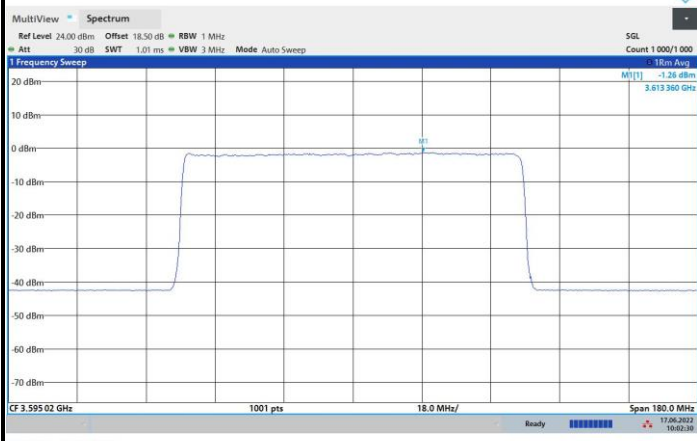
10:23:19 17.06.2022

16QAM



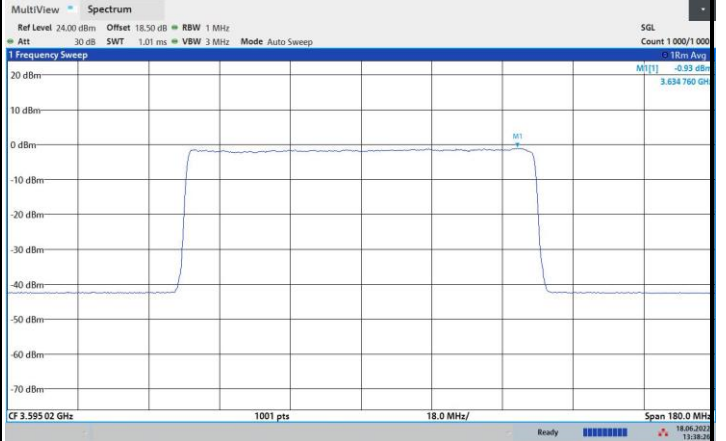
10:14:41 17.06.2022

64QAM



10:02:31 17.06.2022

256QAM

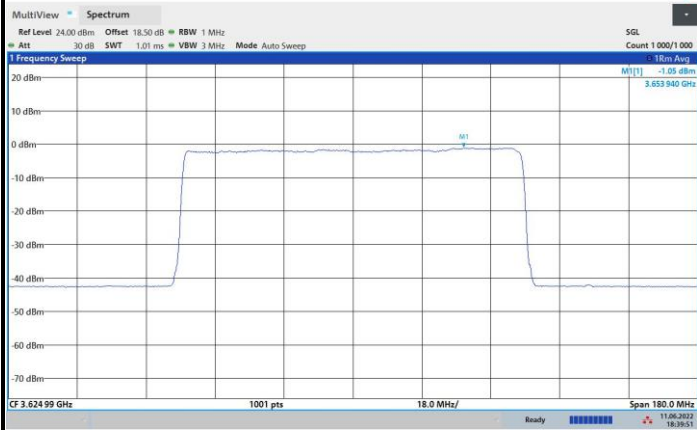


13:38:26 18.06.2022



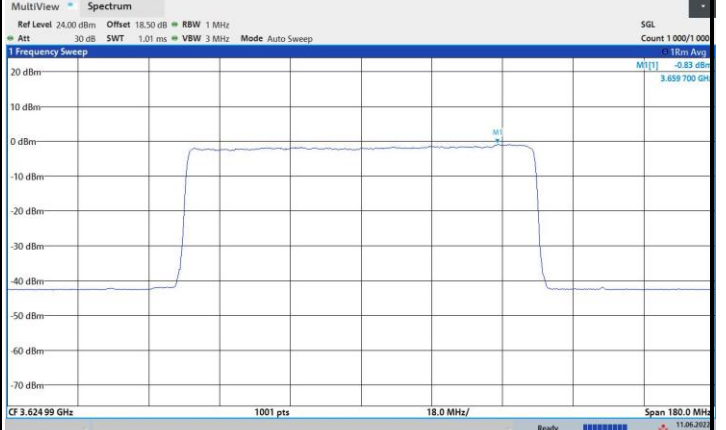
FR1 n48 / 90MHz / Middle Channel / PSD

QPSK



18:39:51 11.06.2022

16QAM



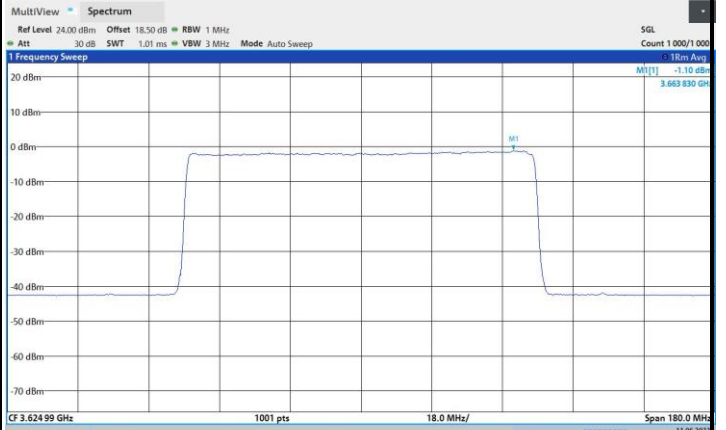
18:25:35 11.06.2022

64QAM



18:15:15 11.06.2022

256QAM

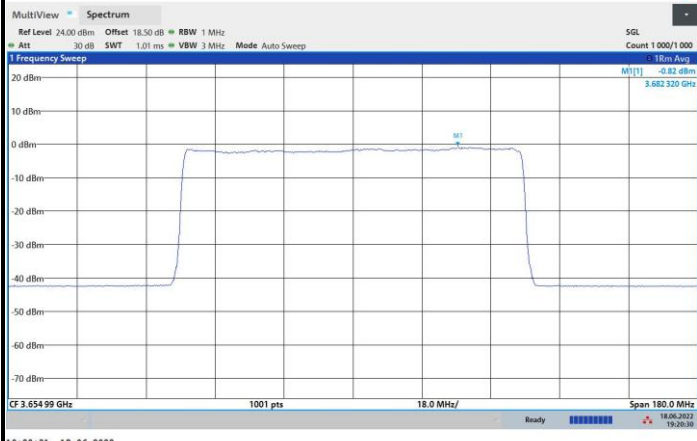


19:29:40 11.06.2022



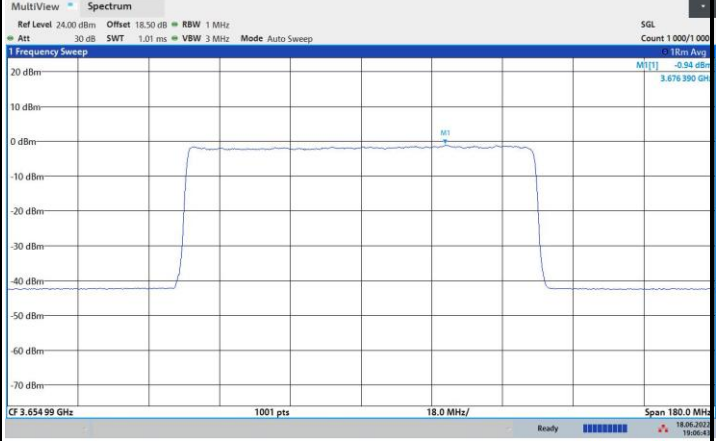
FR1 n48 / 90MHz / Highest Channel / PSD

QPSK



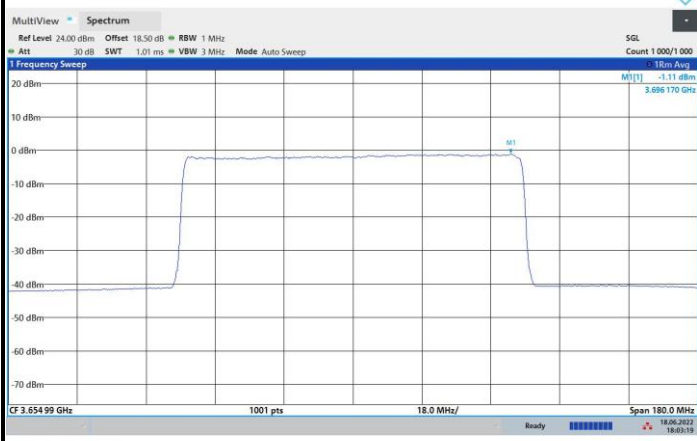
19:20:31 18.06.2022

16QAM



19:06:44 18.06.2022

64QAM



18:03:20 18.06.2022

256QAM

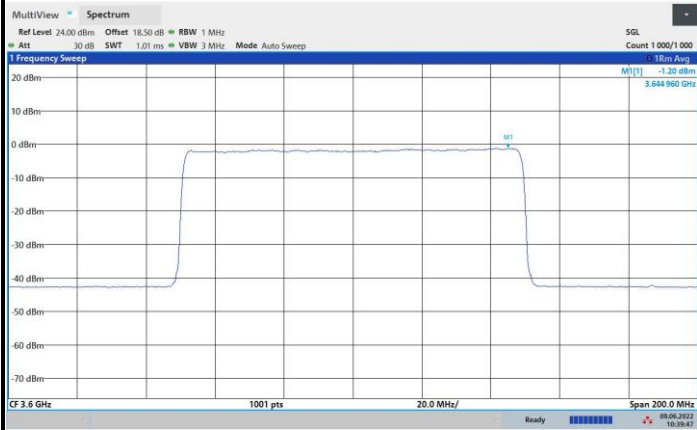


14:14:13 18.06.2022



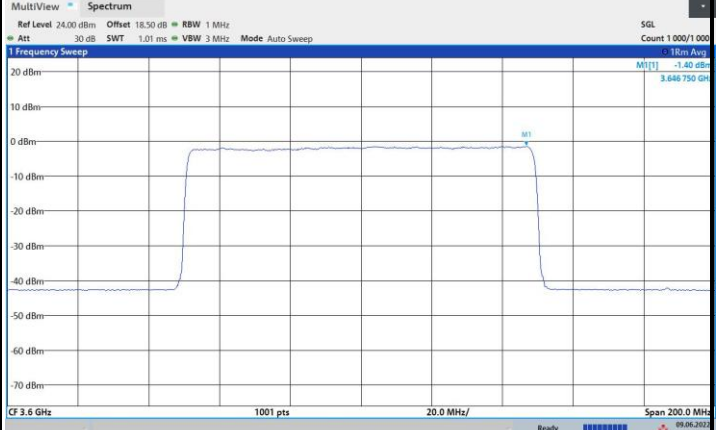
FR1 n48 / 100MHz / Lowest Channel / PSD

QPSK



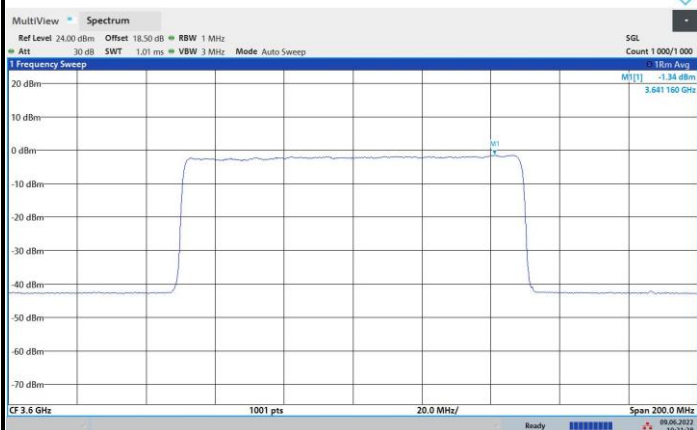
10:39:48 09.06.2022

16QAM



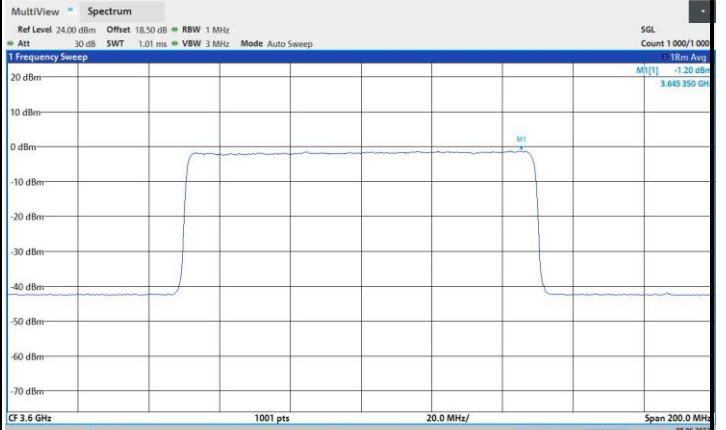
10:29:32 09.06.2022

64QAM



10:21:29 09.06.2022

256QAM

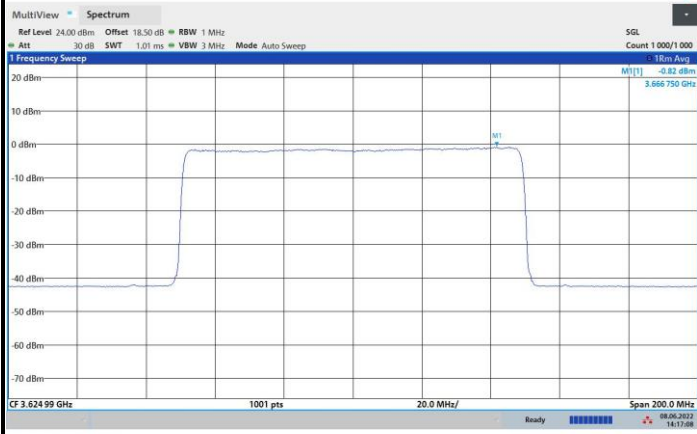


20:22:05 08.06.2022



FR1 n48 / 100MHz / Middle Channel / PSD

QPSK



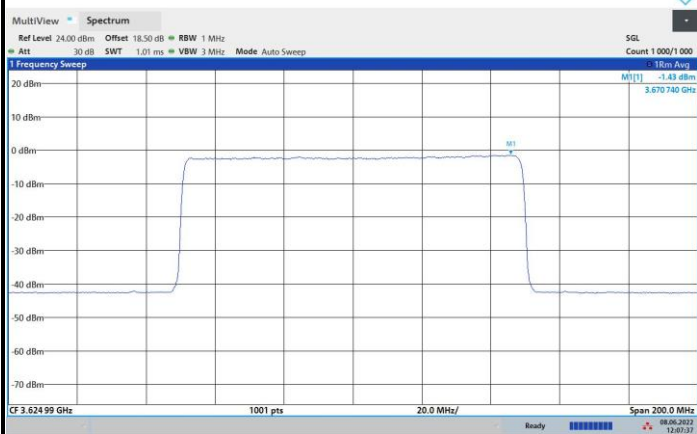
14:17:09 08.06.2022

16QAM



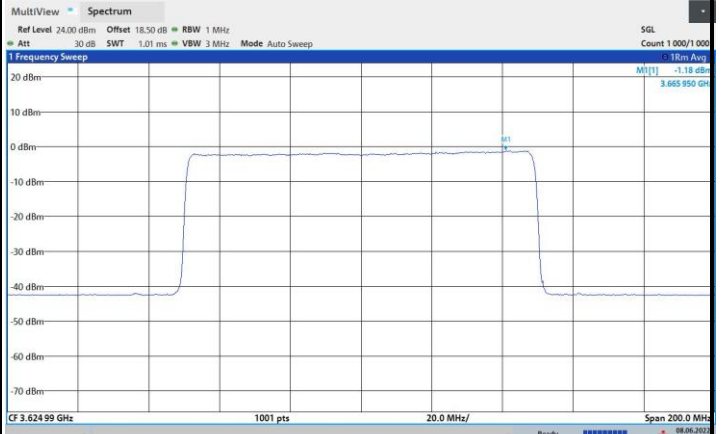
14:05:34 08.06.2022

64QAM



12:07:38 08.06.2022

256QAM

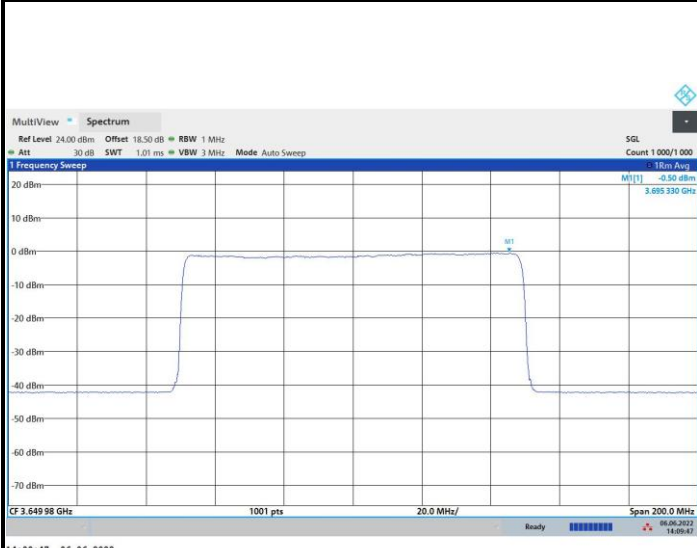


19:42:01 08.06.2022



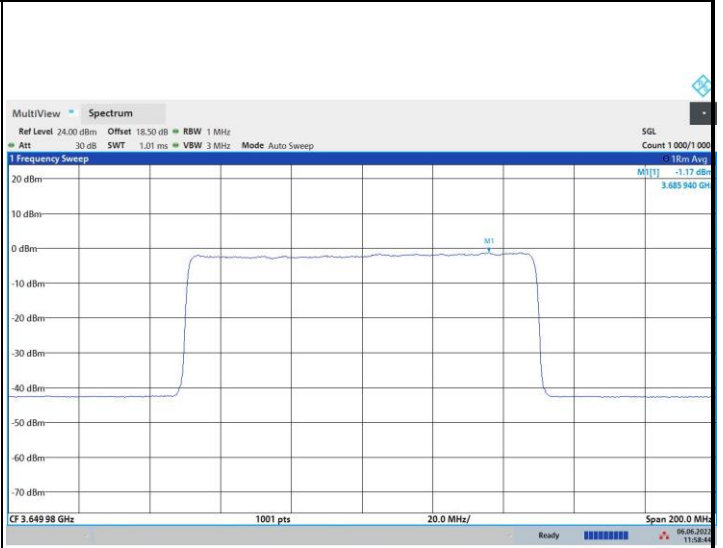
FR1 n48 / 100MHz / Highest Channel / PSD

QPSK



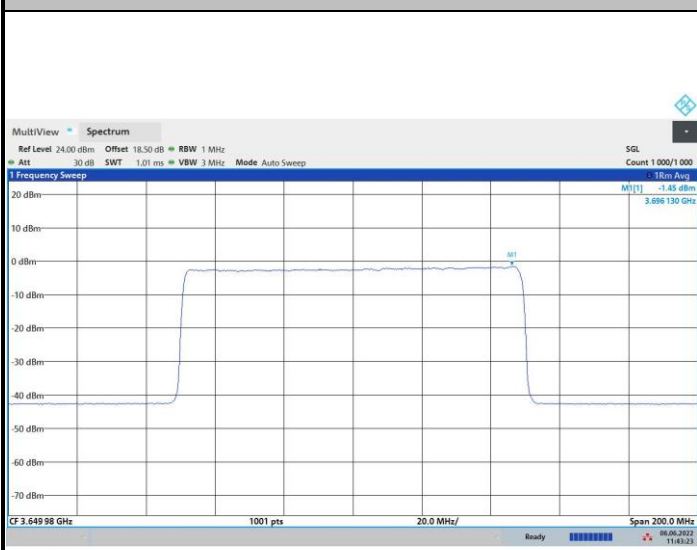
14:09:47 06.06.2022

16QAM



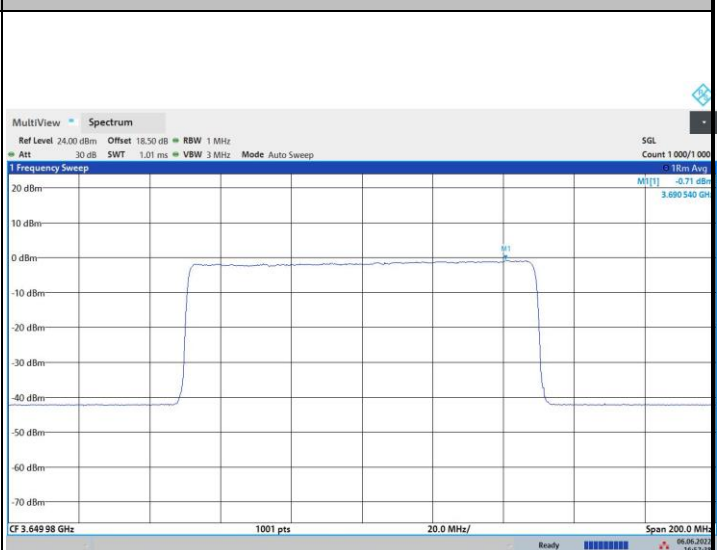
11:58:44 06.06.2022

64QAM



11:43:24 06.06.2022

256QAM

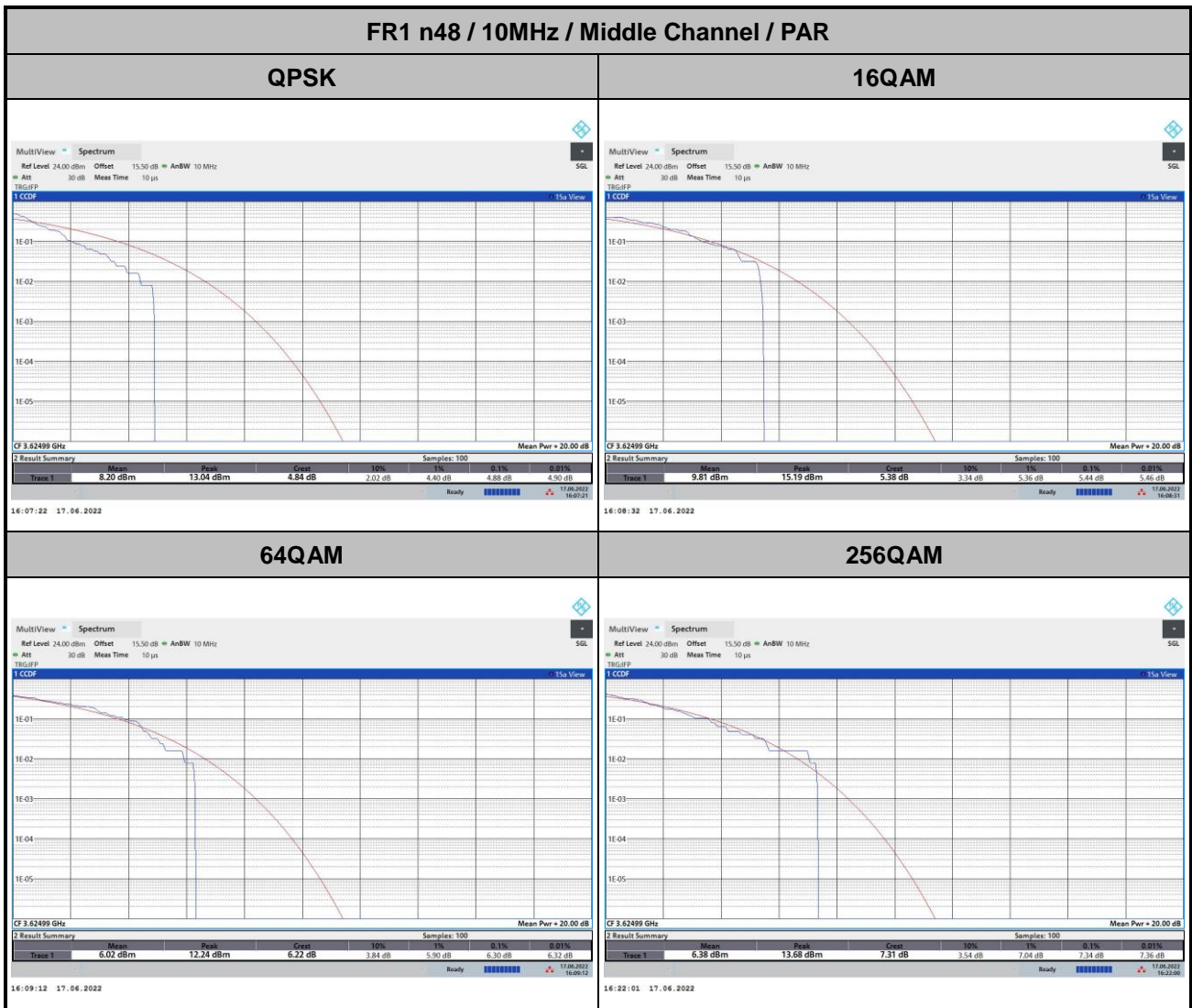


16:57:39 06.06.2022



Peak-to-Average Ratio

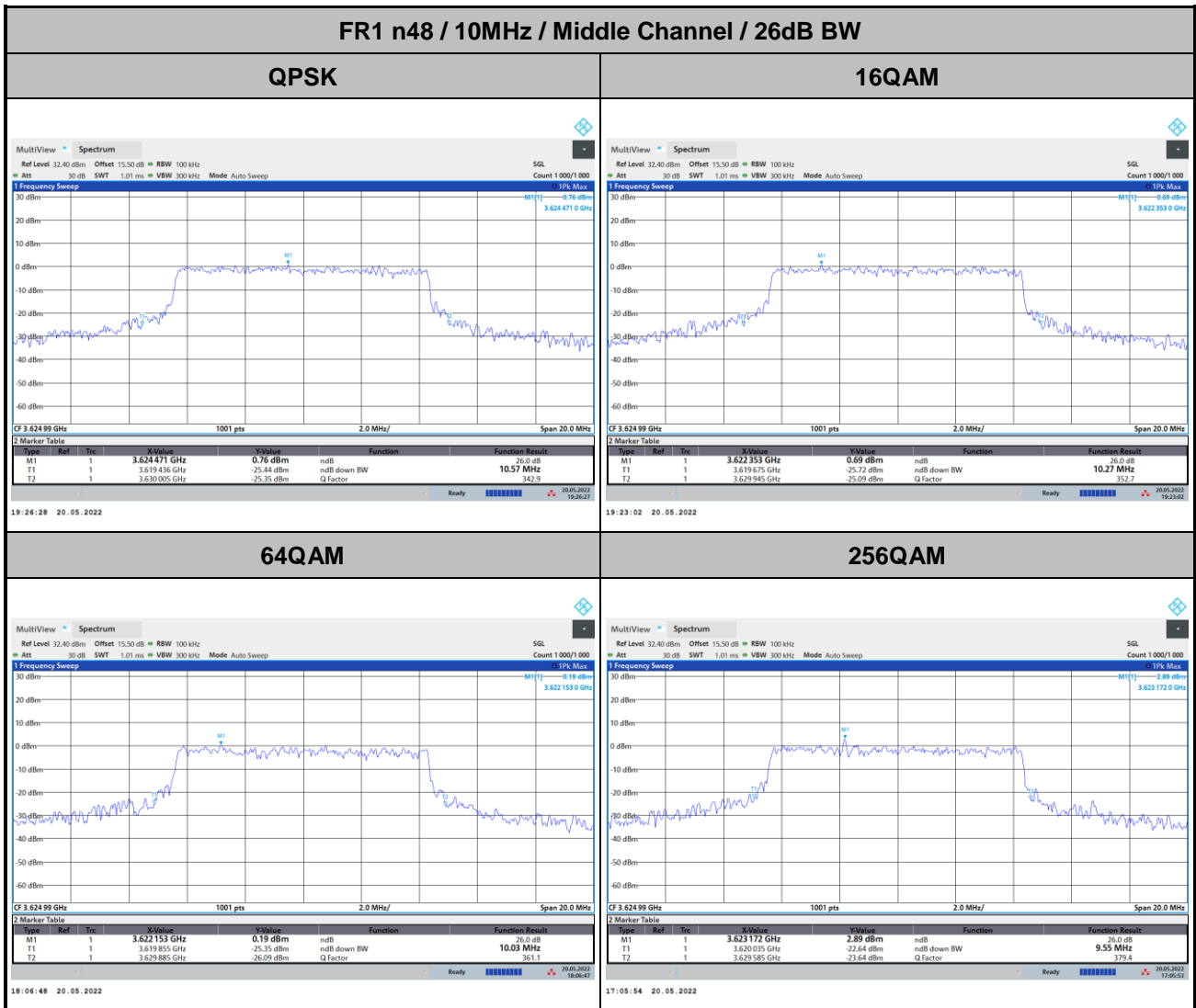
| Mode | FR1 n48 / 10MHz / PAR (dB) | | | | Limit: 13dB |
|-----------|----------------------------|-------|-------|--------|-------------|
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | Result |
| Middle CH | 4.88 | 5.44 | 6.30 | 7.34 | PASS |





26dB Bandwidth

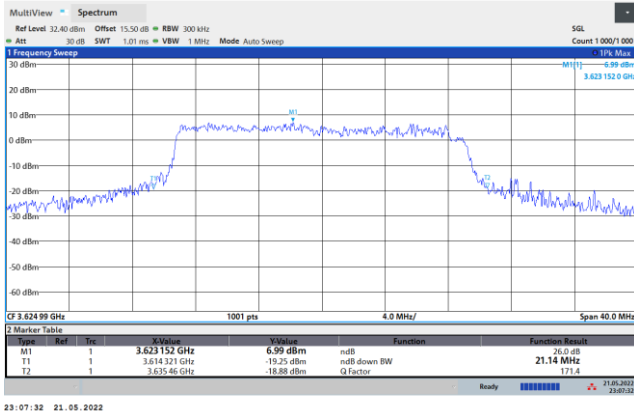
| Mode | FR1 n48 : 26dB BW(MHz) | | | | | | | |
|-----------|------------------------|--------|-------|--------|-------|--------|--------|--------|
| | 10MHz | | 20MHz | | 40MHz | | 50MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 10.57 | 10.27 | 21.14 | 20.98 | 40.60 | 40.84 | 51.25 | 51.95 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 10.03 | 9.55 | 21.50 | 21.58 | 40.76 | 40.76 | 51.85 | 52.05 |
| BW | 60MHz | | 80MHz | | 90MHz | | 100MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 65.21 | 66.17 | 85.99 | 85.19 | 91.71 | 91.71 | 101.70 | 101.10 |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 65.21 | 67.73 | 84.72 | 86.47 | 92.43 | 92.07 | 101.70 | 101.50 |



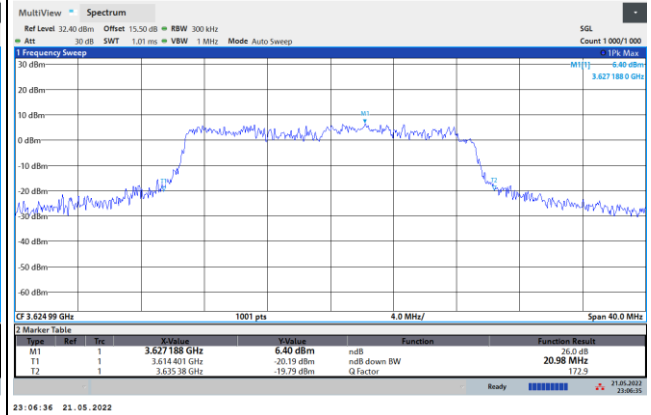


FR1 n48 / 20MHz / Middle Channel / 26dB BW

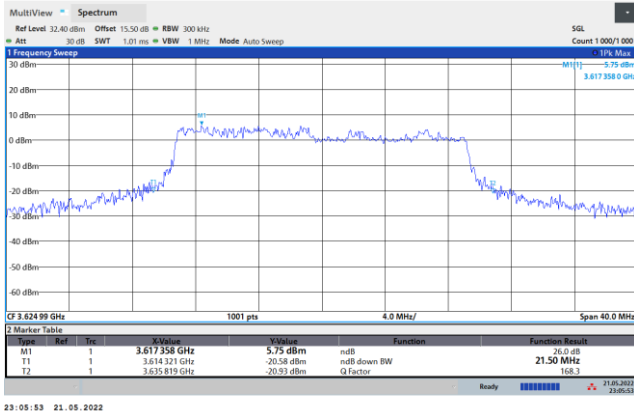
QPSK



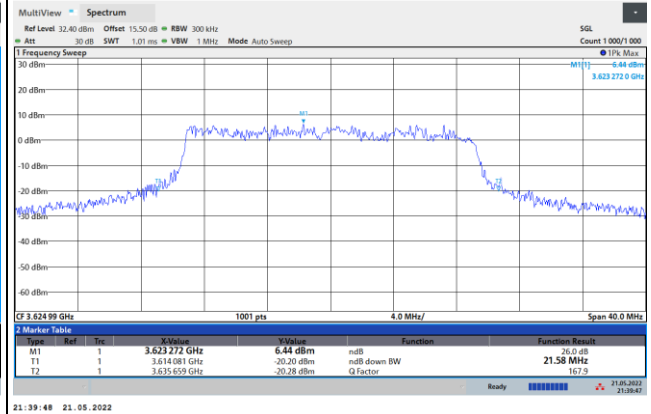
16QAM



64QAM



256QAM

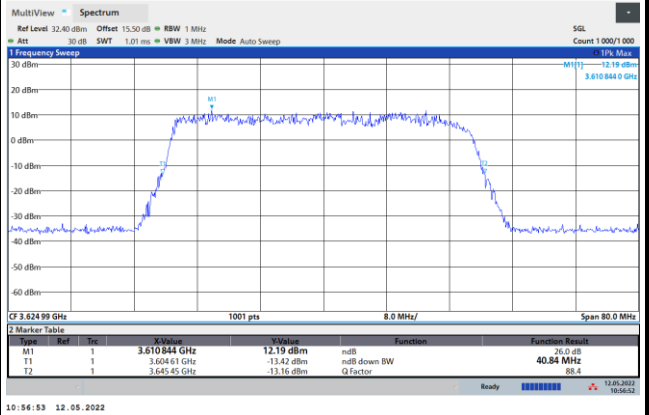
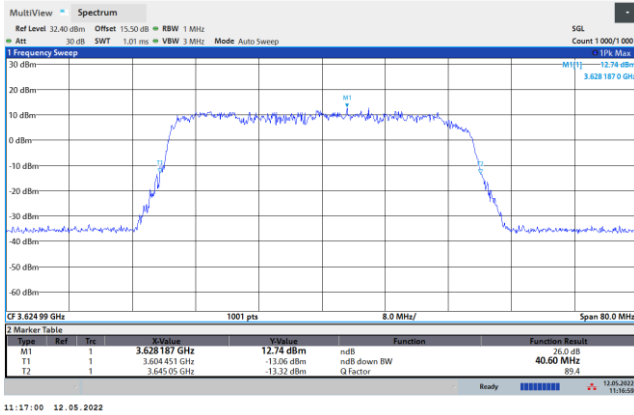




FR1 n48 / 40MHz / Middle Channel / 26dB BW

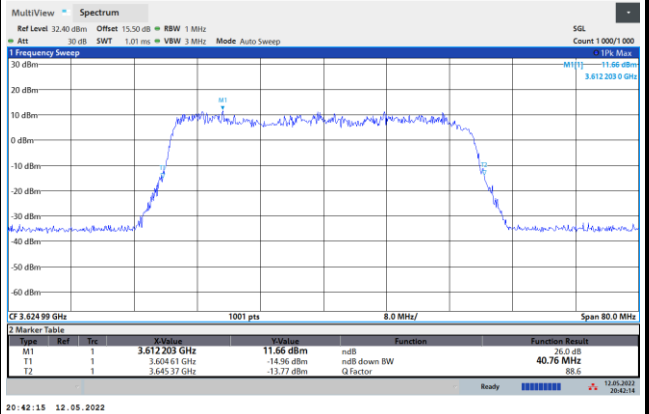
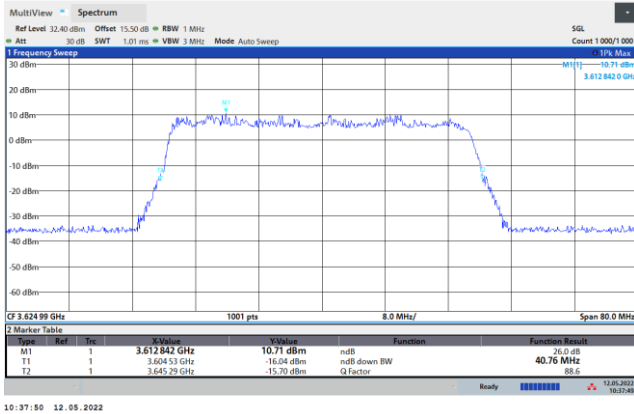
QPSK

16QAM



64QAM

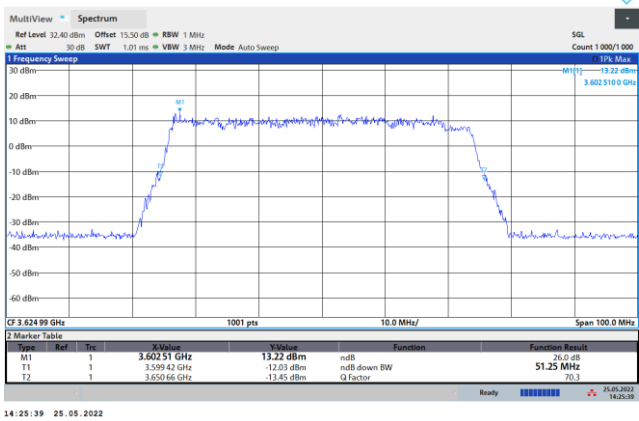
256QAM



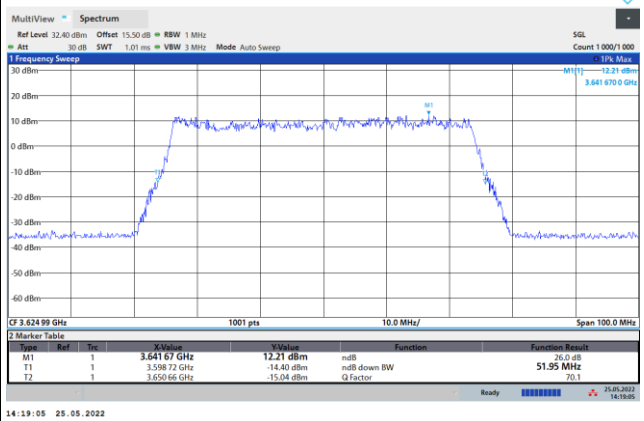


FR1 n48 / 50MHz / Middle Channel / 26dB BW

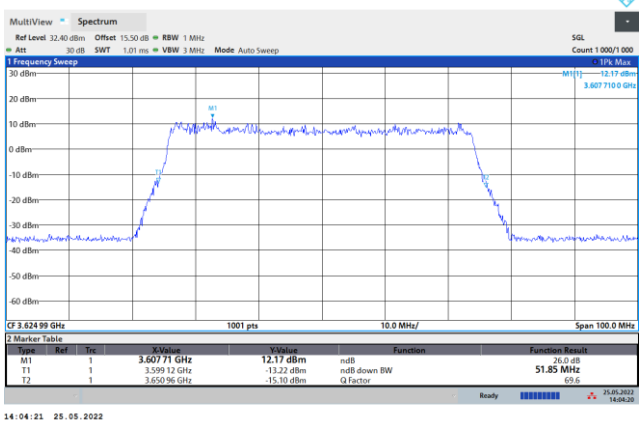
QPSK



16QAM



64QAM



256QAM

