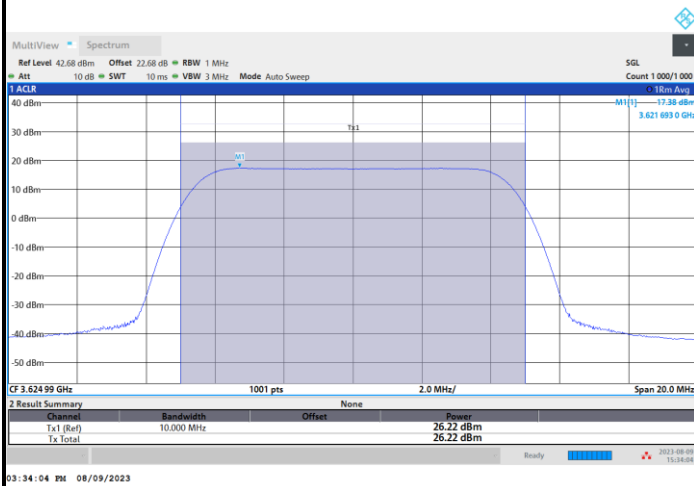


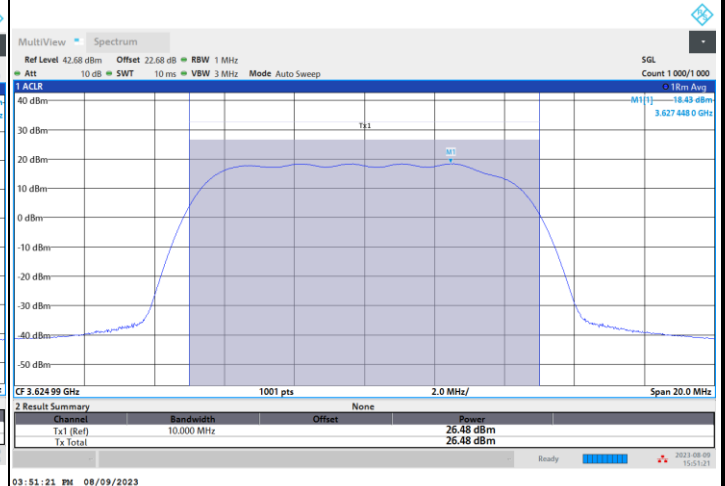


FR1 n48 / 10MHz / Middle Channel / Conducted (dBm/10MHz)

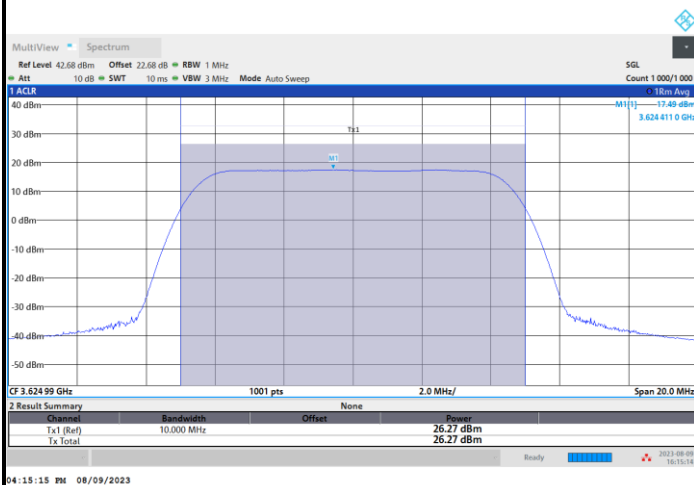
QPSK



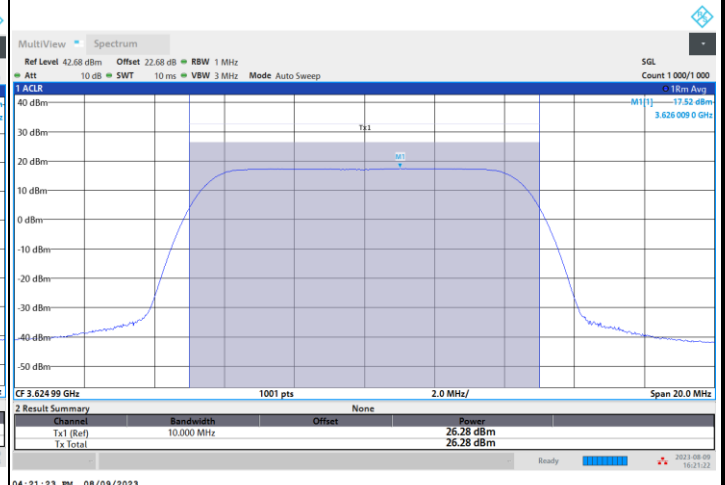
16QAM



64QAM



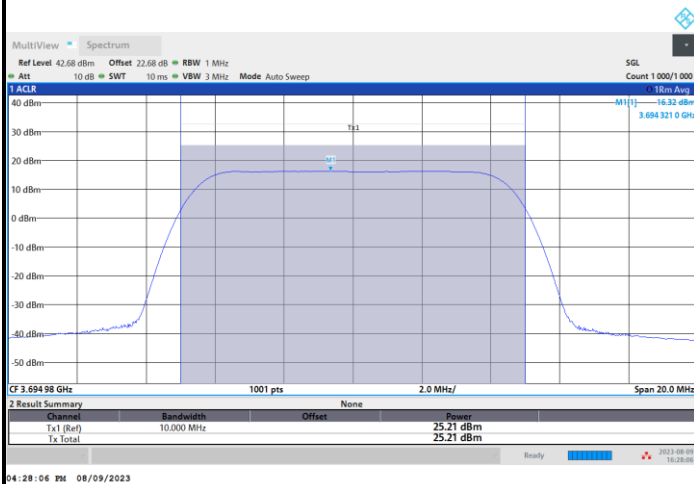
256QAM



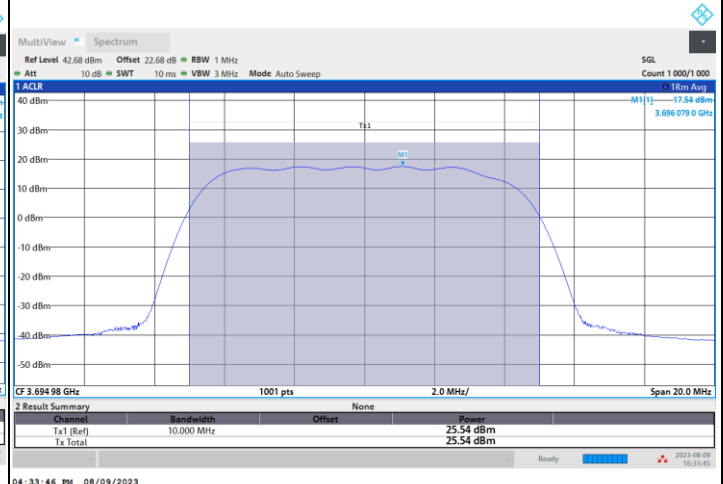


FR1 n48 / 10MHz / Highest Channel / Conducted (dBm/10MHz)

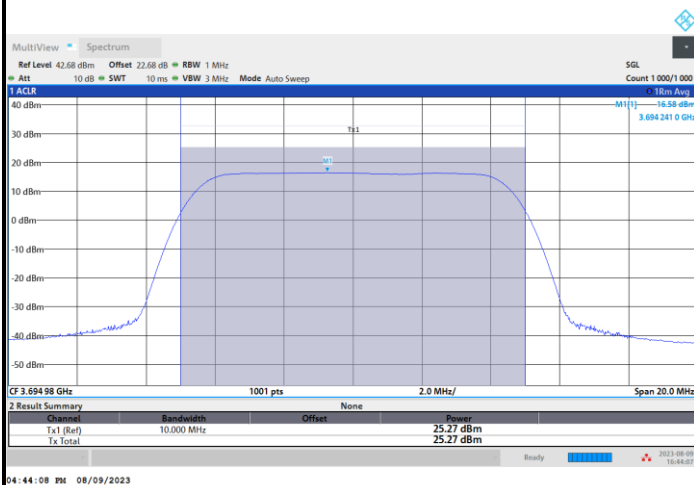
QPSK



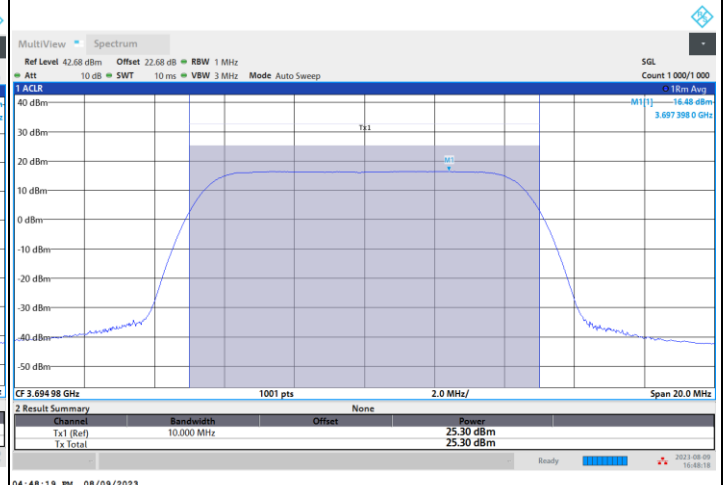
16QAM



64QAM



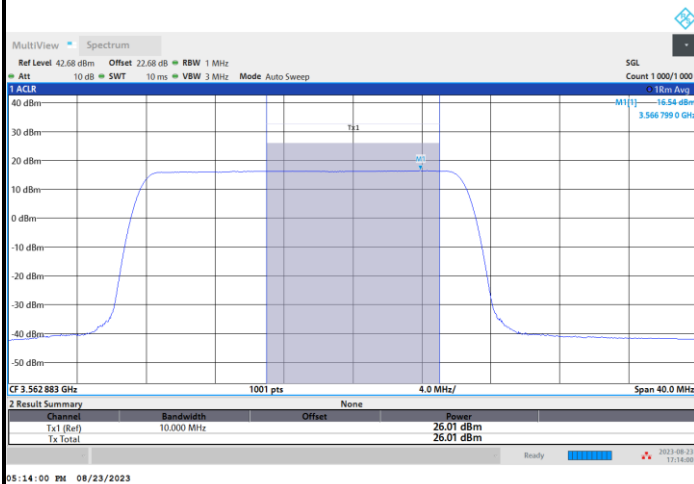
256QAM



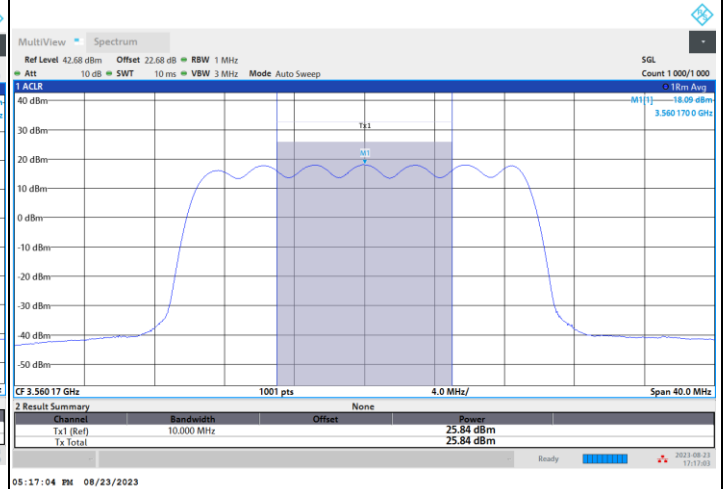


FR1 n48 / 20MHz / Lowest Channel / Conducted (dBm/10MHz)

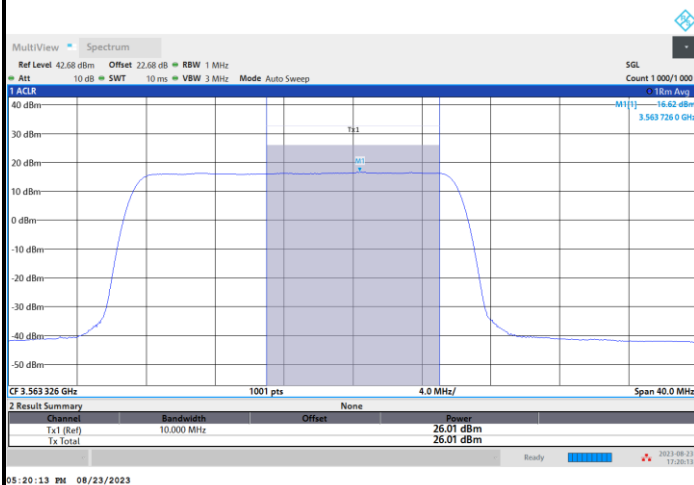
QPSK



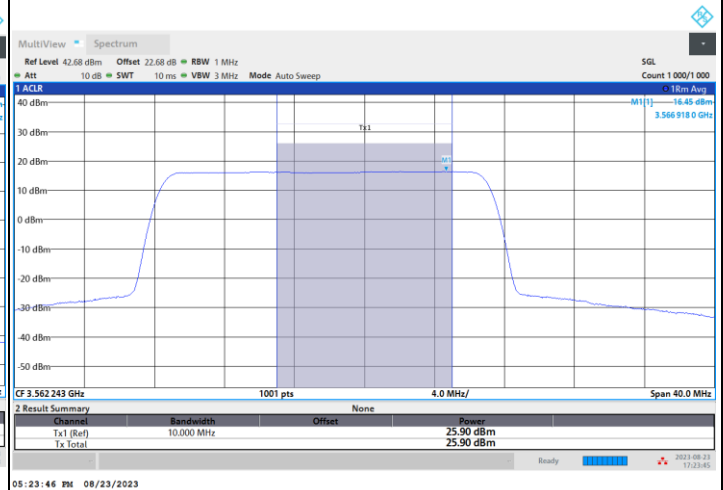
16QAM



64QAM



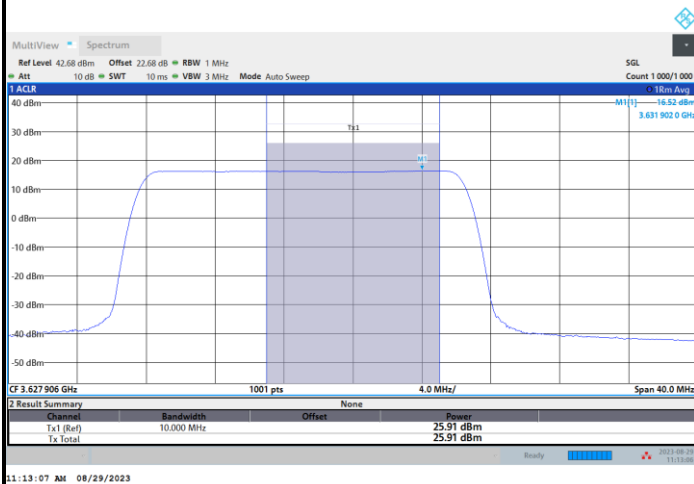
256QAM





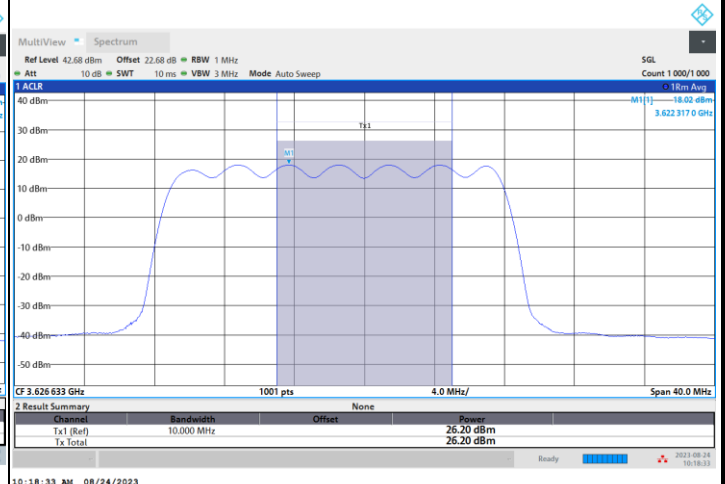
FR1 n48 / 20MHz / Middle Channel / Conducted (dBm/10MHz)

QPSK



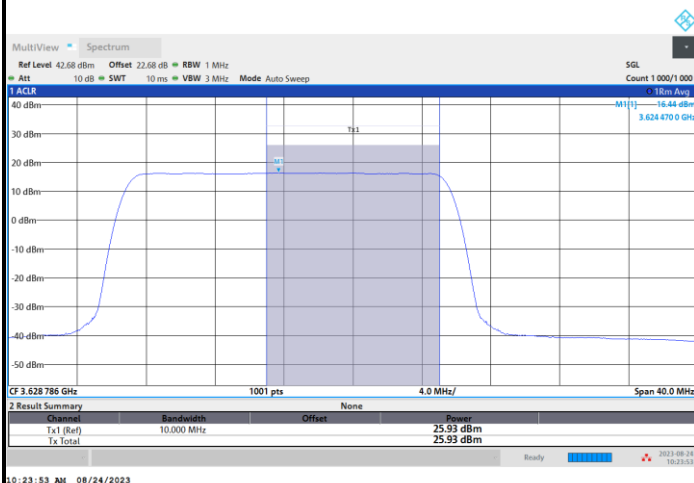
11:13:07 AM 08/23/2023

16QAM



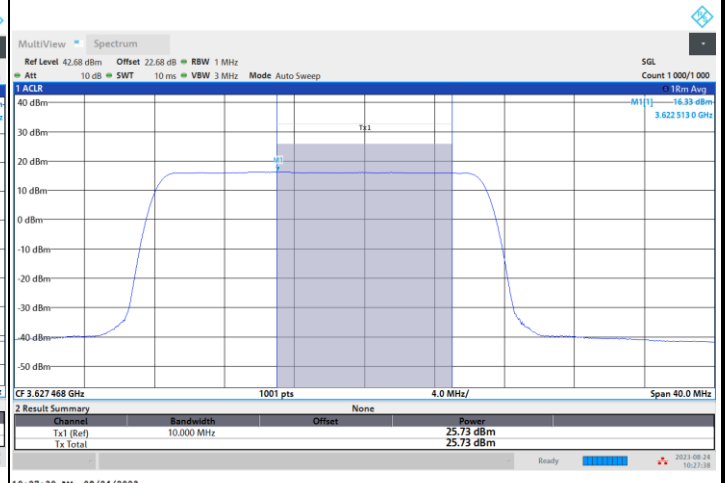
10:10:33 AM 08/24/2023

64QAM



10:23:53 AM 08/24/2023

256QAM

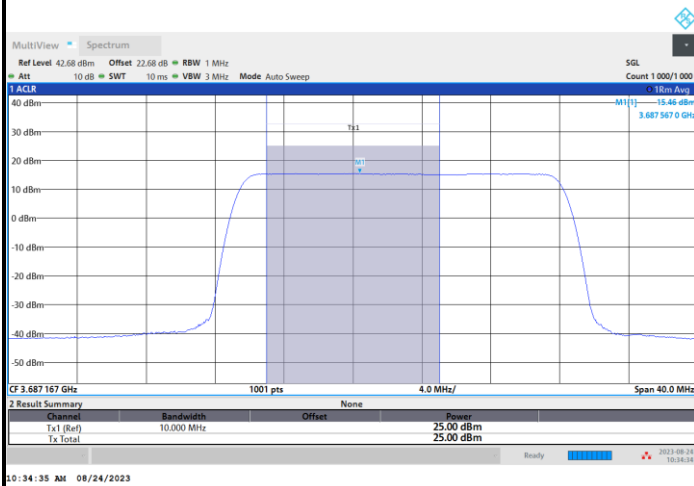


10:27:39 AM 08/24/2023

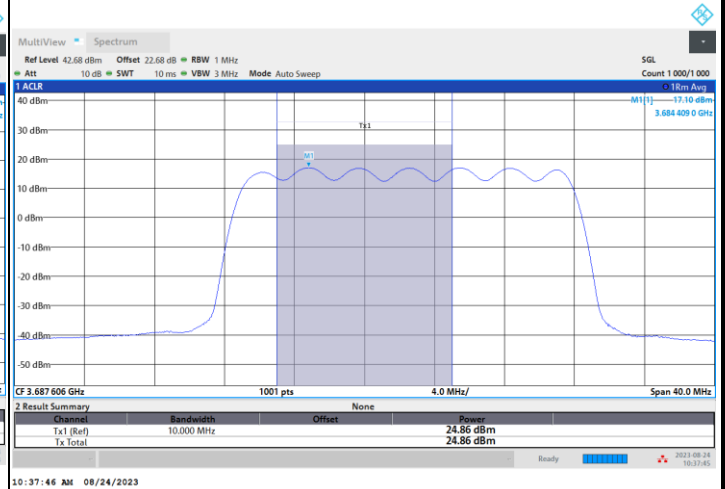


FR1 n48 / 20MHz / Highest Channel / Conducted (dBm/10MHz)

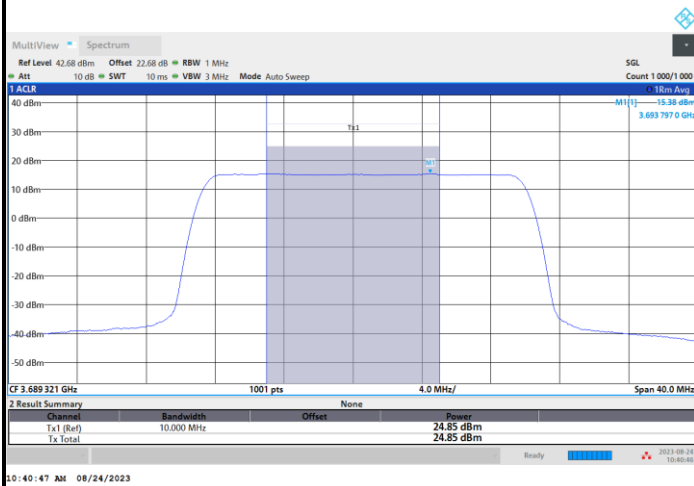
QPSK



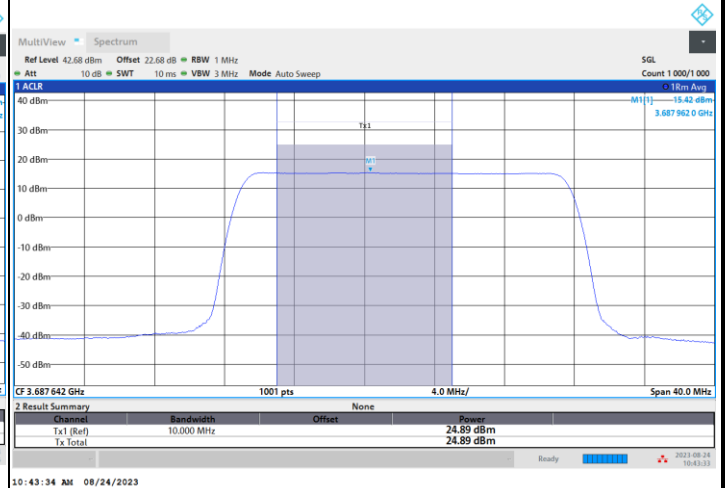
16QAM



64QAM



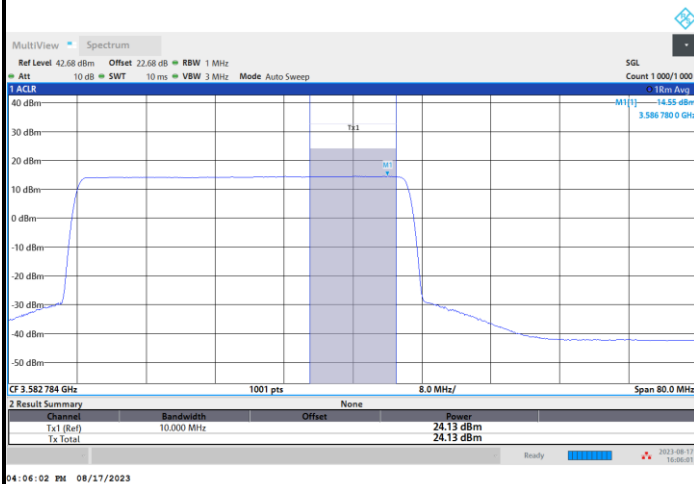
256QAM



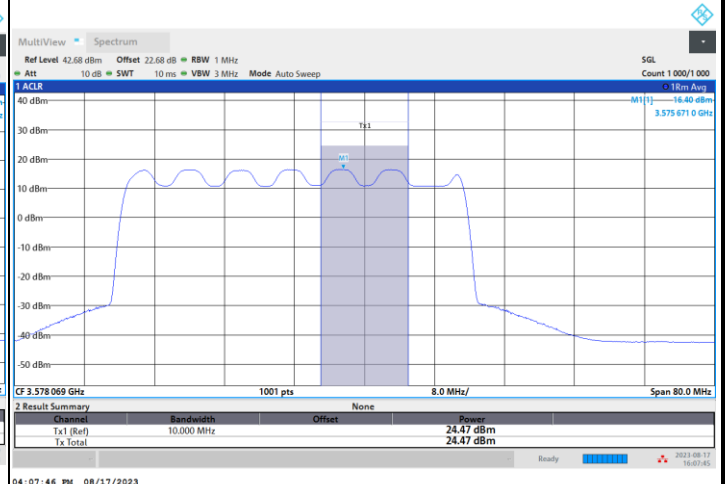


FR1 n48 / 40MHz / Lowest Channel / Conducted (dBm/10MHz)

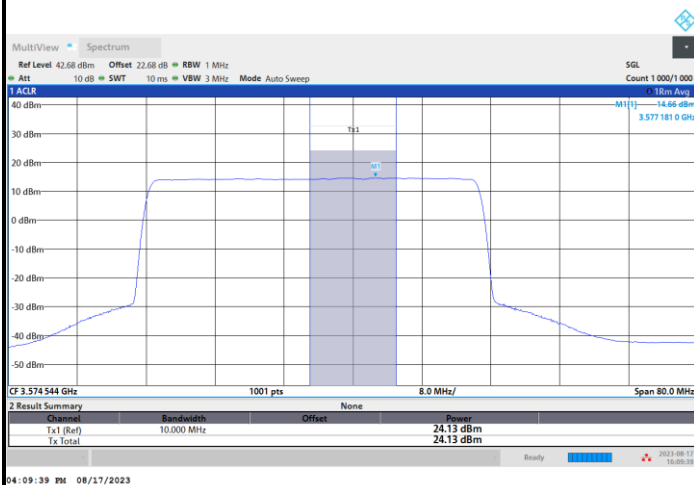
QPSK



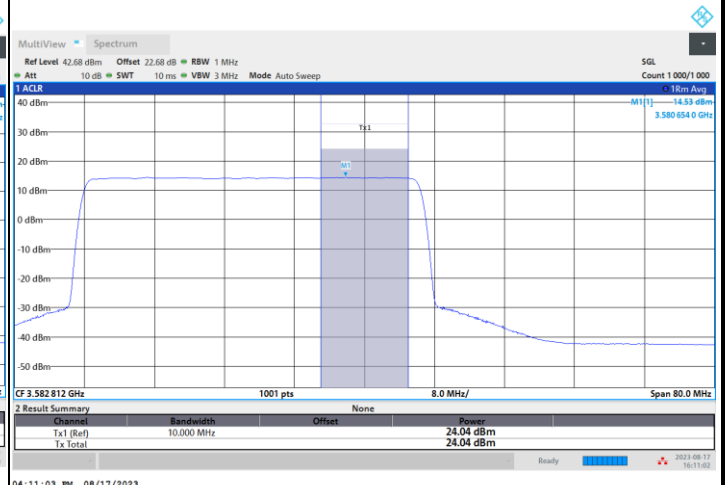
16QAM



64QAM



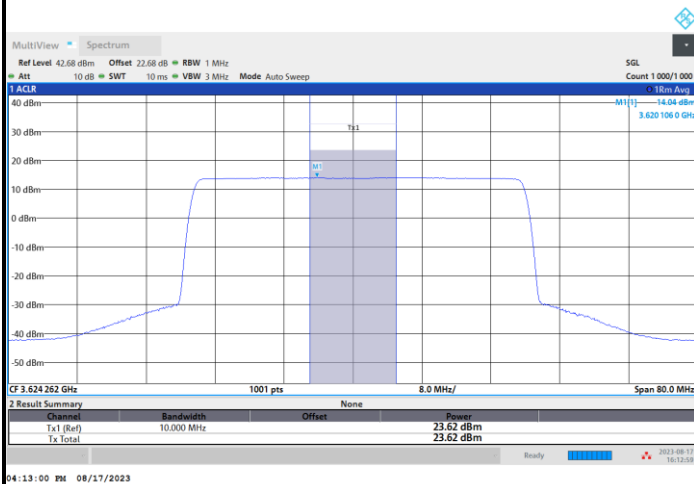
256QAM





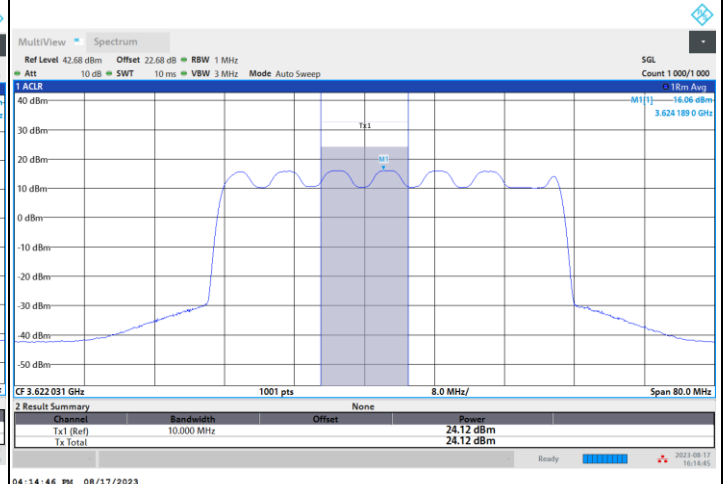
FR1 n48 / 40MHz / Middle Channel / Conducted (dBm/10MHz)

QPSK



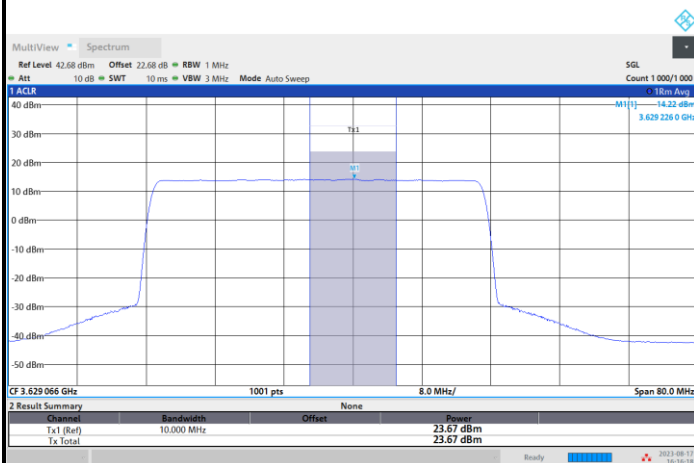
04:13:00 PM 08/17/2023

16QAM



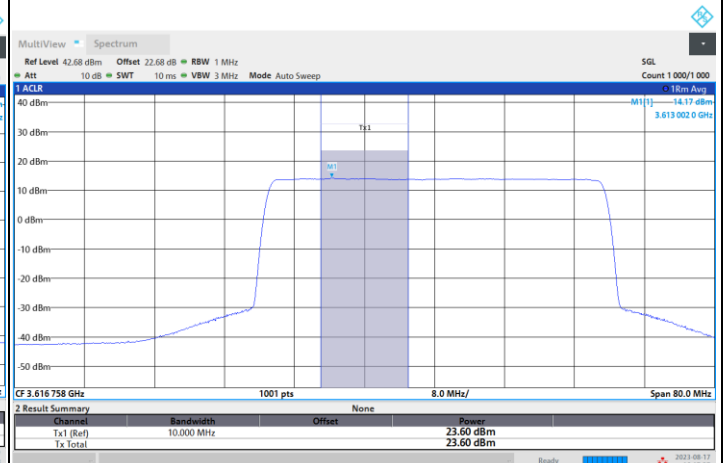
04:14:46 PM 08/17/2023

64QAM



04:16:19 PM 08/17/2023

256QAM

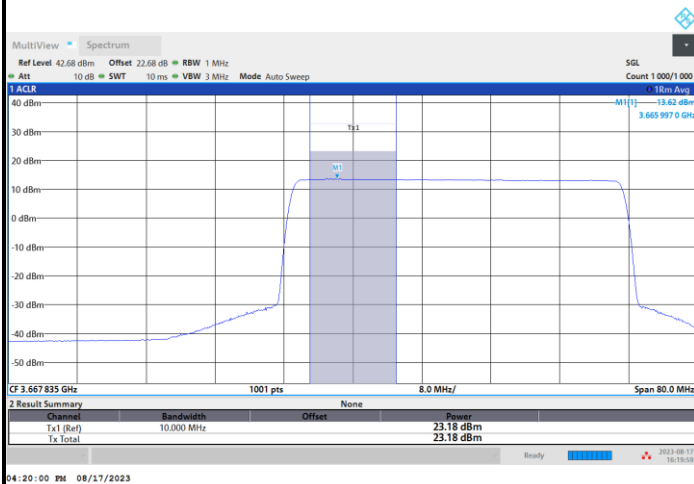


04:17:37 PM 08/17/2023

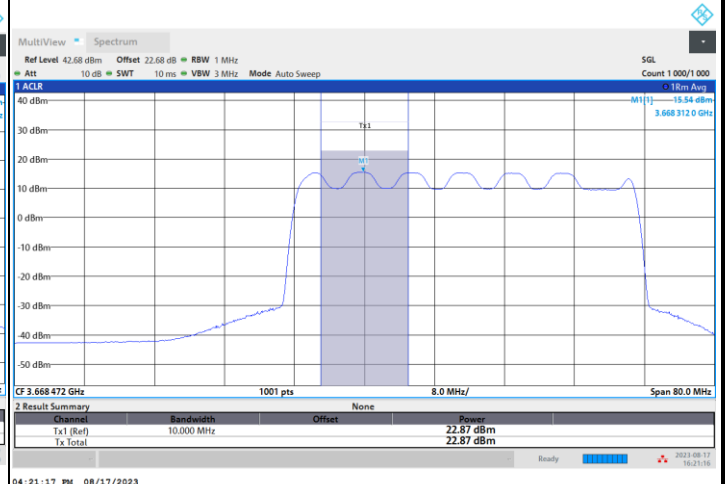


FR1 n48 / 40MHz / Highest Channel / Conducted (dBm/10MHz)

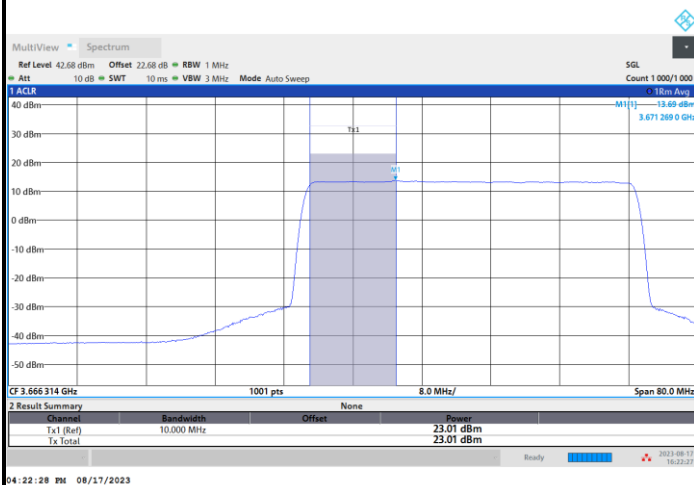
QPSK



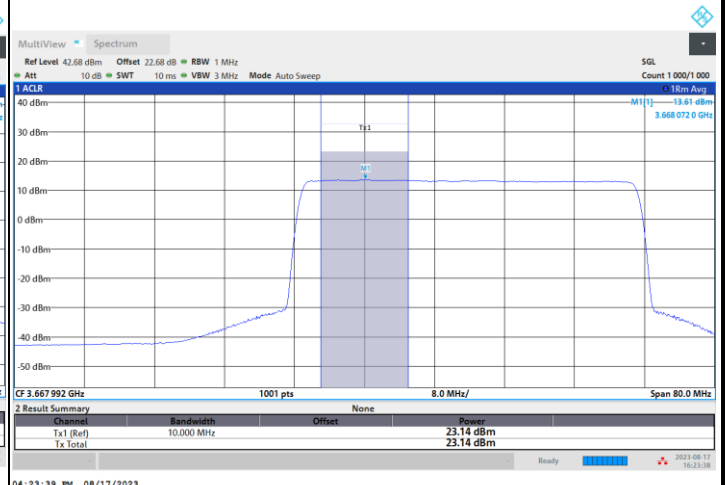
16QAM



64QAM



256QAM



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	17.81	18.58	16.40	18.04	14.57	16.55	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	17.59	17.63	16.56	16.33	14.53	14.51	-	-
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	-	-	-	-	-	-	-	-

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	35.83	36.60	34.42	36.06	32.59	34.57	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	35.61	35.65	34.58	34.35	32.55	32.53	-	-
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	-	-	-	-	-	-	-	-
Limit	37dBm/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) + 12dBi MIMO antenna gain.

Mode	FR1 n48 : Conducted PSD (dBm/MHz) <SISO> Middle Channel							
BW	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	17.40	18.50	16.43	18.06	13.99	16.07	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	17.52	17.45	16.56	16.24	14.18	14.10	-	-
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	-	-	-	-

Mode	FR1 n48 : EIRP PSD (dBm/MHz) <MIMO 4TX> Middle Channel							
BW	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	35.42	36.52	34.45	36.08	32.01	34.09	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	35.54	35.47	34.58	34.26	32.20	32.12	-	-
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	-	-	-	-
Limit	37dBm/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) + 12dBi MIMO antenna gain.

Mode	FR1 n48 : Conducted PSD (dBm/MHz) <SISO> Highest Channel							
BW	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Highest CH	16.35	17.42	15.45	17.02	13.52	15.51	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	16.55	16.50	15.34	15.47	13.69	13.76	-	-
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Highest CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	-	-	-	-	-	-	-	-

Mode	FR1 n48 : EIRP PSD (dBm/MHz) <MIMO 4TX> Highest Channel							
BW	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Highest CH	34.37	35.44	33.47	35.04	31.54	33.53	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	34.57	34.52	33.36	33.49	31.71	31.78	-	-
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Highest CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	-	-	-	-	-	-	-	-
Limit	37dBm/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) + 12dBi MIMO antenna gain.



FR1 n48 / 10MHz / Lowest Channel / PSD

QPSK

16QAM

MultiView Spectrum

Ref Level 42.68 dBm Offset 22.68 dB RBW 1 MHz

Att 10 dB SWT 10 ms VBW 3 MHz Mode Auto Sweep

1 Frequency Sweep

40 dBm

30 dBm

20 dBm

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

CF 3.555 GHz

1001 pts

2.0 MHz/

Span 20.0 MHz

Ready

11:13:11 AM

08/01/2023

17.81 dBm

3.551 643 0 GHz

11:13:11 AM

08/01/2023

MultiView Spectrum

Ref Level 42.68 dBm Offset 22.68 dB RBW 1 MHz

Att 10 dB SWT 10 ms VBW 3 MHz Mode Auto Sweep

1 Frequency Sweep

40 dBm

30 dBm

20 dBm

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

CF 3.555 GHz

1001 pts

2.0 MHz/

Span 20.0 MHz

Ready

11:28:14 AM

08/09/2023

18.58 dBm

3.557 478 0 GHz

11:28:14 AM

08/09/2023

64QAM

256QAM

MultiView Spectrum

Ref Level 42.68 dBm Offset 22.68 dB RBW 1 MHz

Att 10 dB SWT 10 ms VBW 3 MHz Mode Auto Sweep

1 Frequency Sweep

40 dBm

30 dBm

20 dBm

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

CF 3.555 GHz

1001 pts

2.0 MHz/

Span 20.0 MHz

Ready

11:33:11 AM

08/09/2023

17.59 dBm

3.554 961 0 GHz

11:33:11 AM

08/09/2023

MultiView Spectrum

Ref Level 42.68 dBm Offset 22.68 dB RBW 1 MHz

Att 10 dB SWT 10 ms VBW 3 MHz Mode Auto Sweep

1 Frequency Sweep

40 dBm

30 dBm

20 dBm

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

CF 3.555 GHz

1001 pts

2.0 MHz/

Span 20.0 MHz

Ready

11:54:36 AM

08/09/2023

17.83 dBm

3.556 978 0 GHz

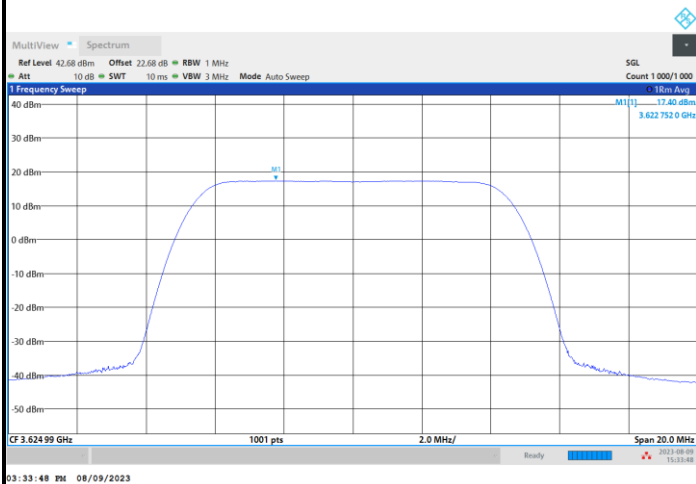
11:54:36 AM

08/09/2023



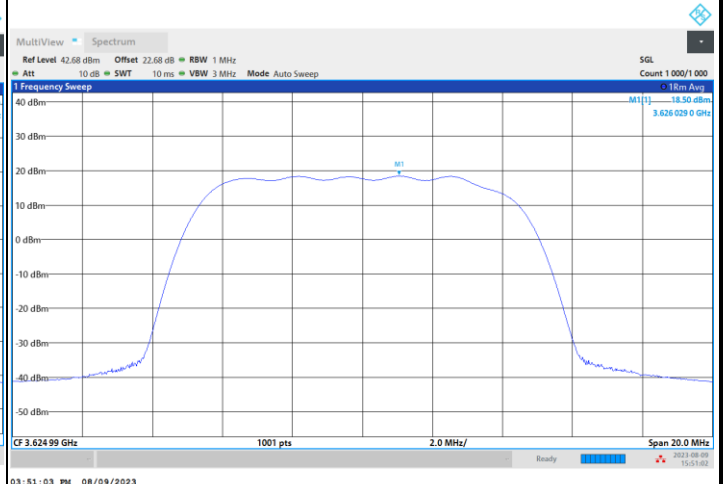
FR1 n48 / 10MHz / Middle Channel / PSD

QPSK



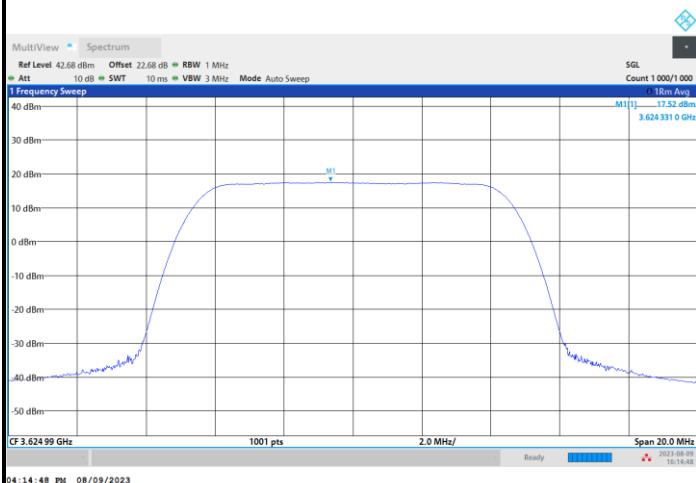
03:33:48 PM 08/09/2023

16QAM



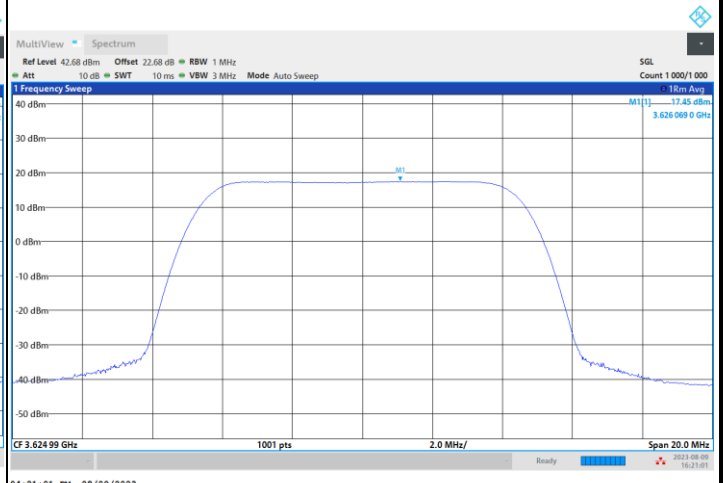
03:51:03 PM 08/09/2023

64QAM



04:14:48 PM 08/09/2023

256QAM

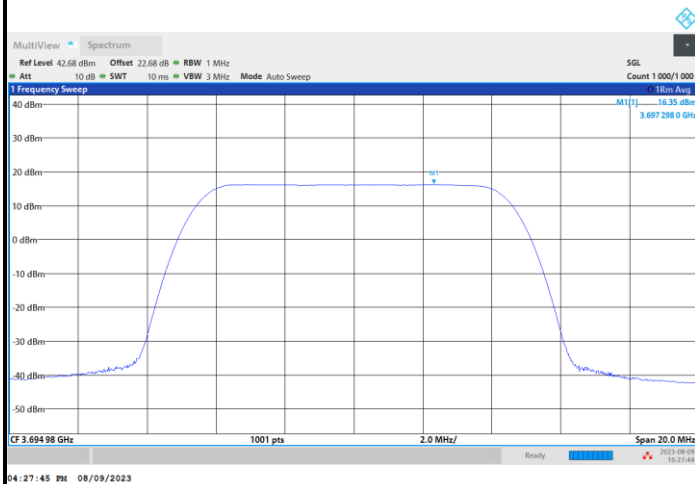


04:21:01 PM 08/09/2023

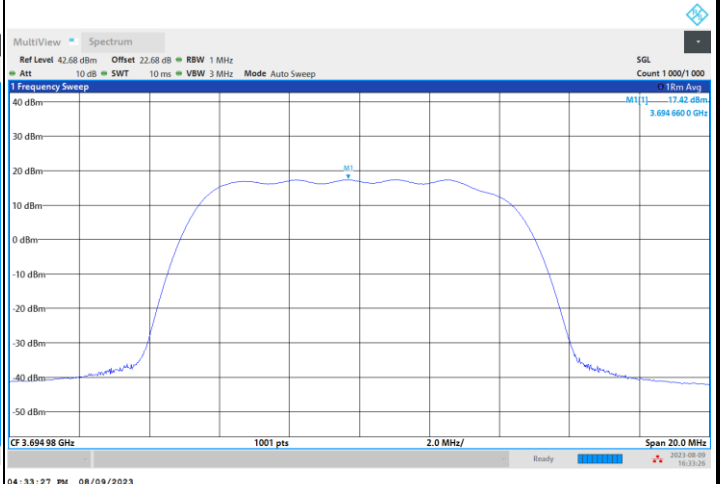


FR1 n48 / 10MHz / Highest Channel / PSD

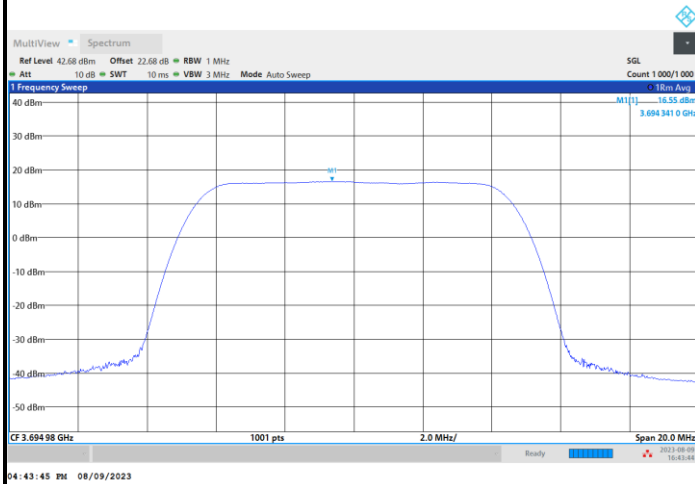
QPSK



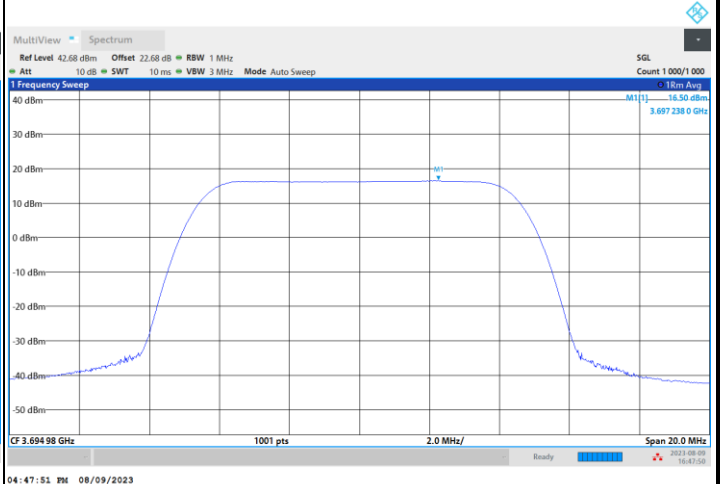
16QAM



64QAM



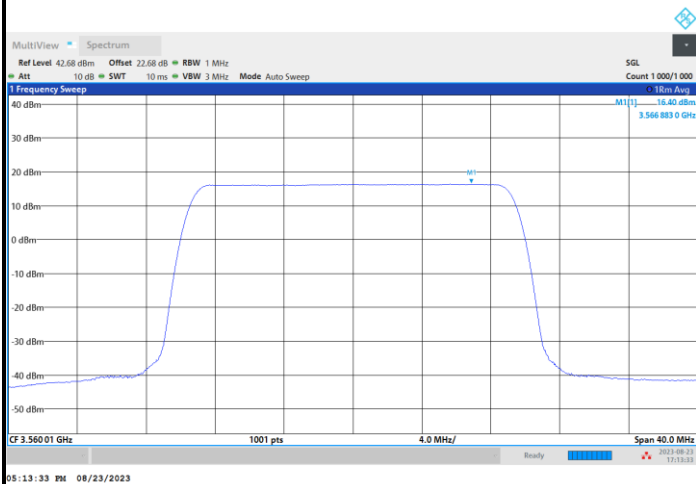
256QAM



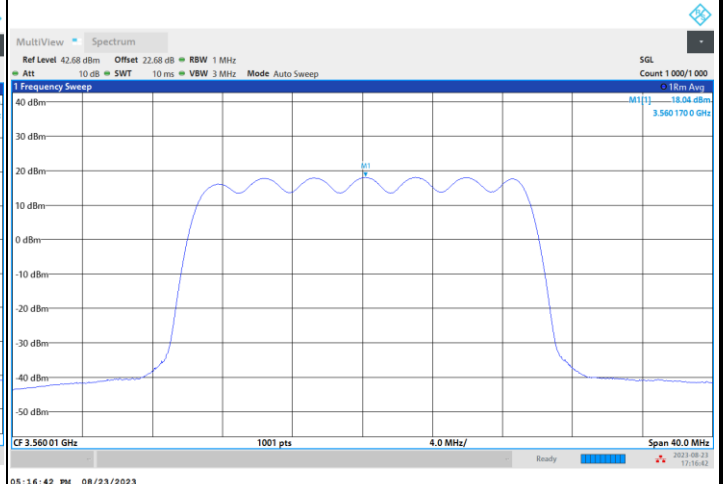


FR1 n48 / 20MHz / Lowest Channel / PSD

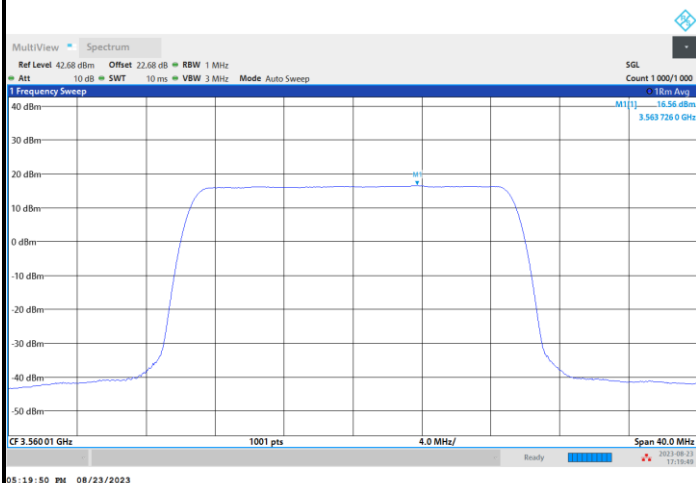
QPSK



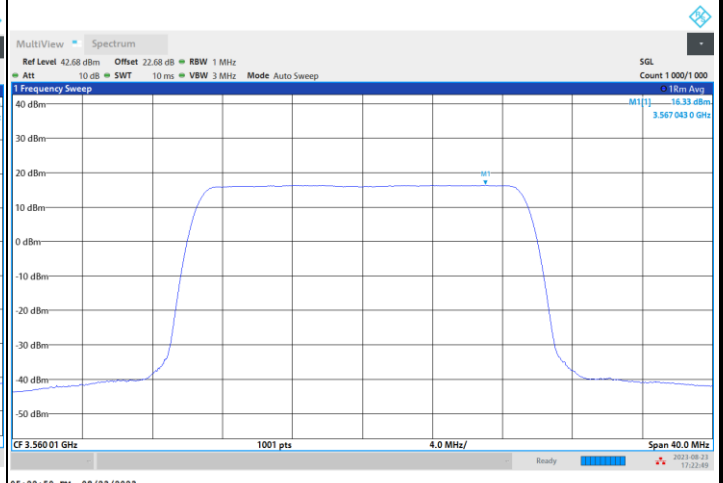
16QAM



64QAM



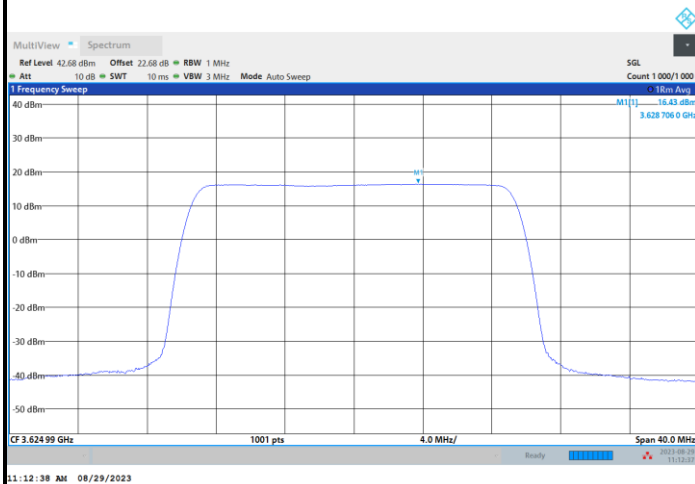
256QAM





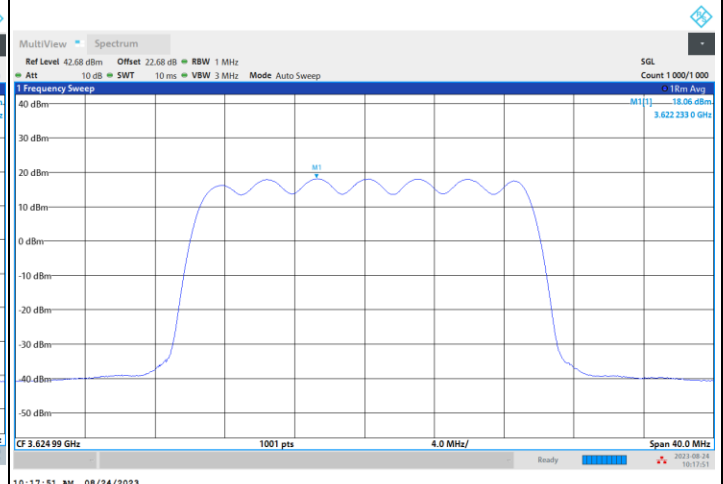
FR1 n48 / 20MHz / Middle Channel / PSD

QPSK



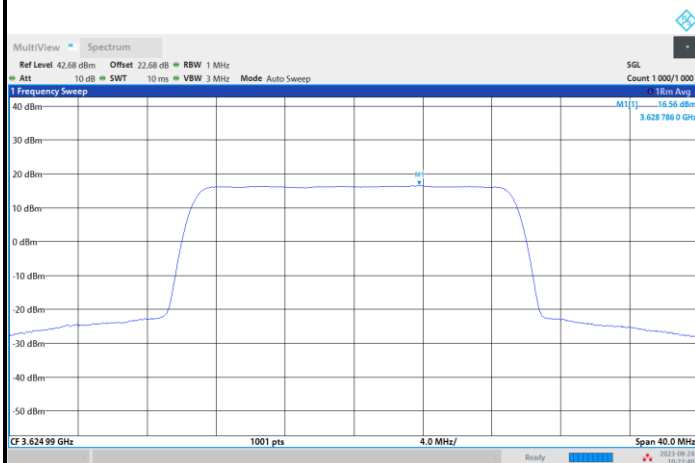
11:12:38 AM 08/29/2023

16QAM



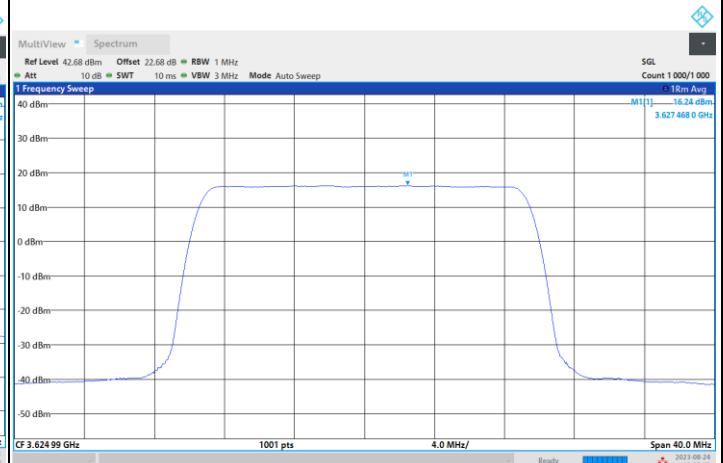
10:17:51 AM 08/24/2023

64QAM



10:22:40 AM 08/24/2023

256QAM

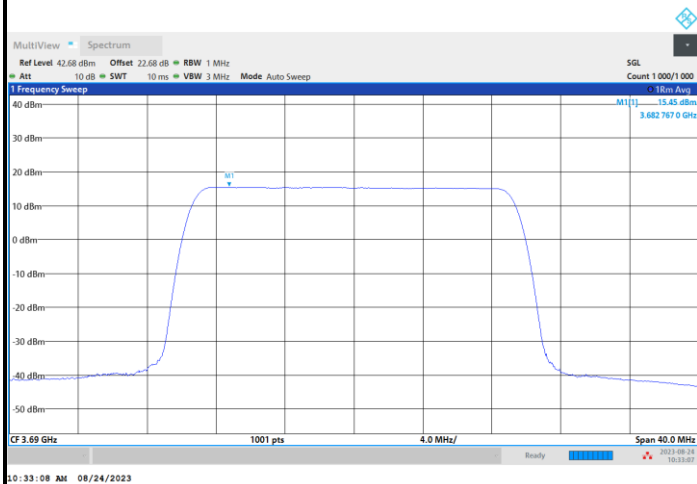


10:27:17 AM 08/24/2023

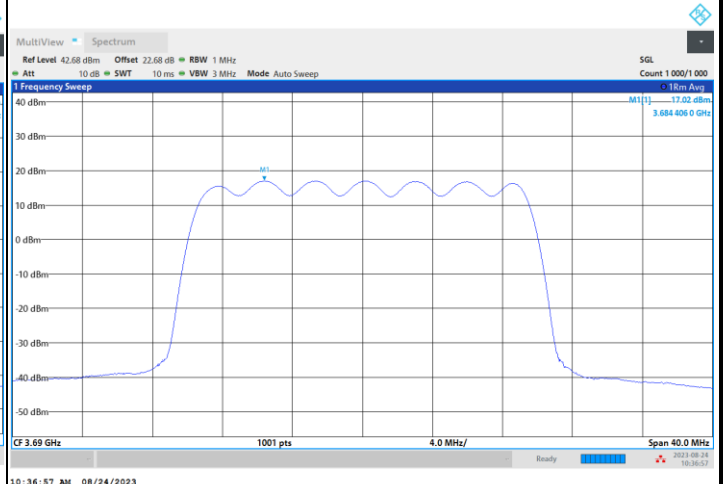


FR1 n48 / 20MHz / Highest Channel / PSD

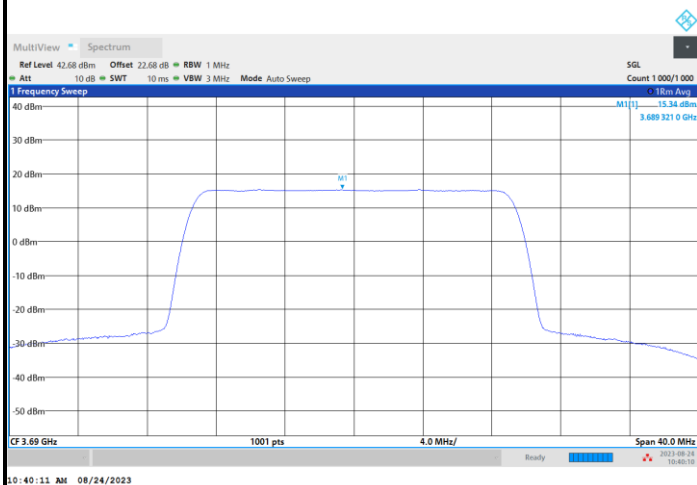
QPSK



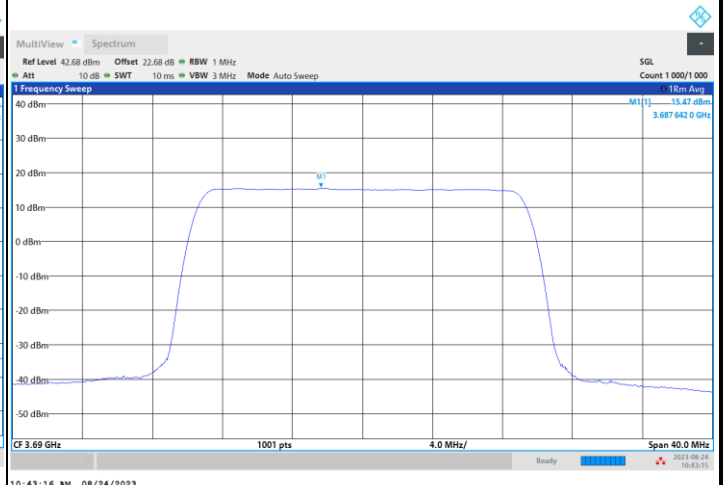
16QAM



64QAM



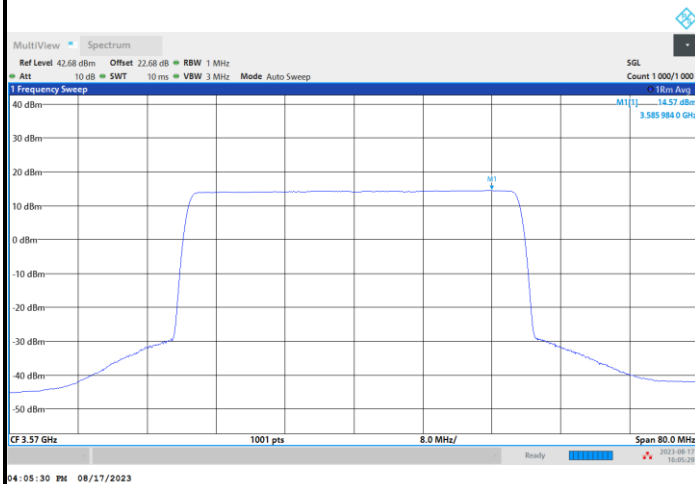
256QAM



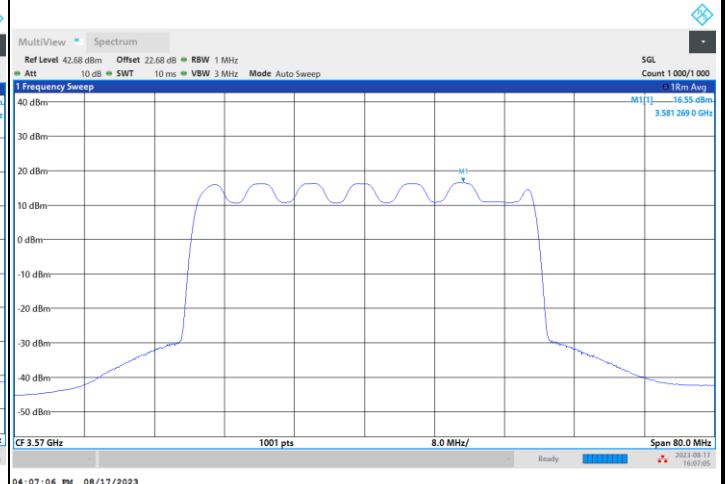


FR1 n48 / 40MHz / Lowest Channel / PSD

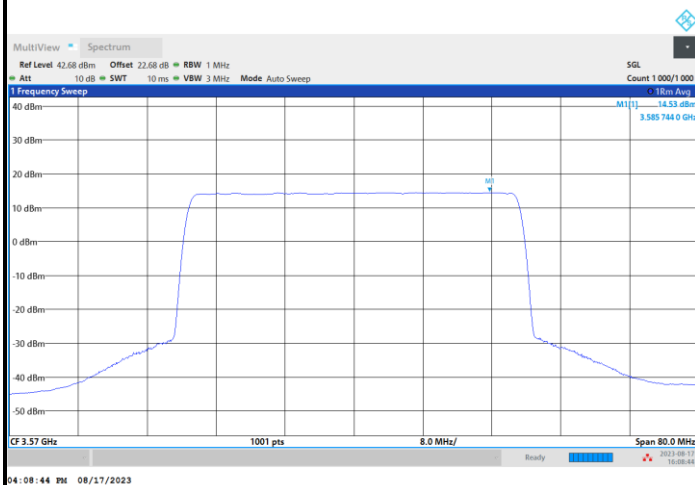
QPSK



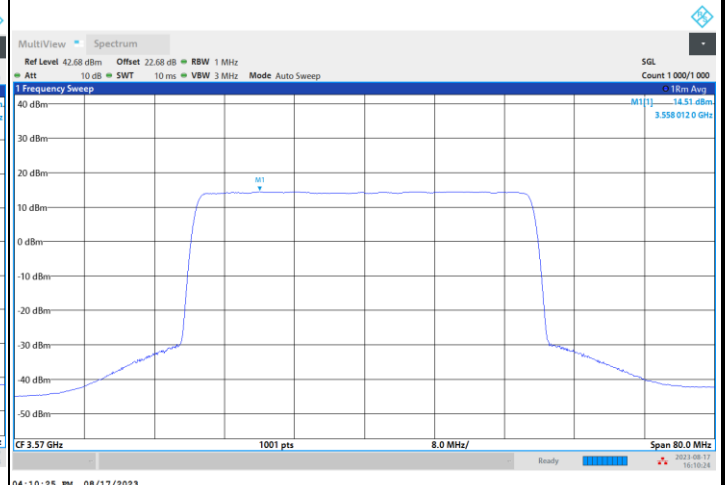
16QAM



64QAM



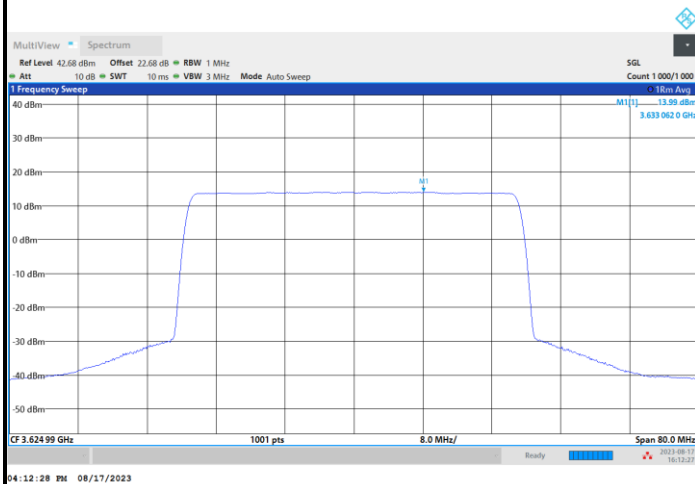
256QAM



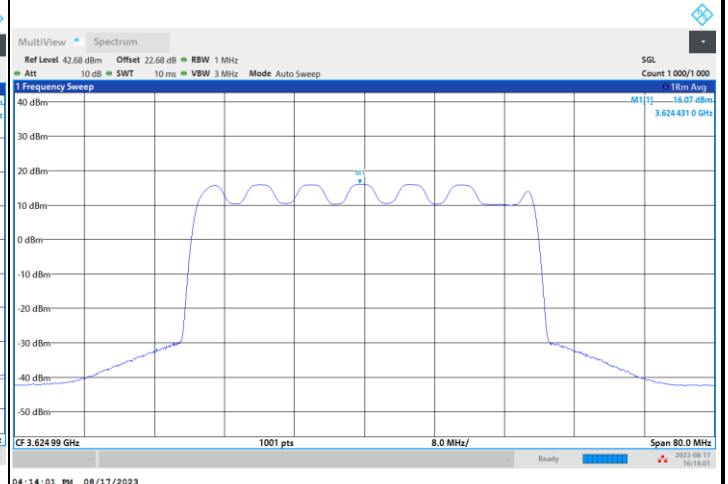


FR1 n48 / 40MHz / Middle Channel / PSD

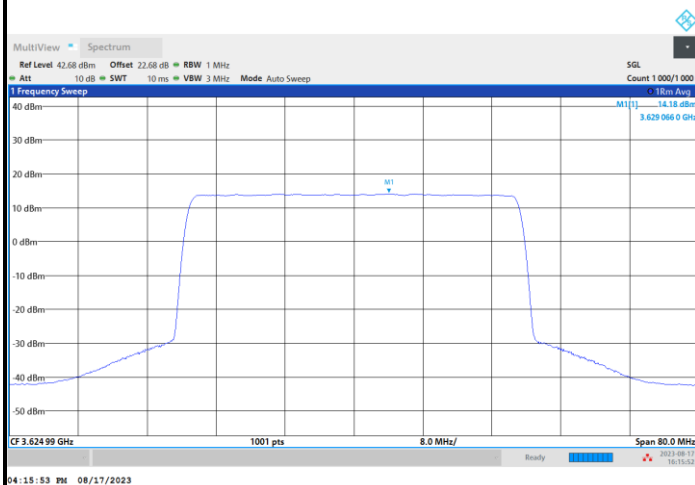
QPSK



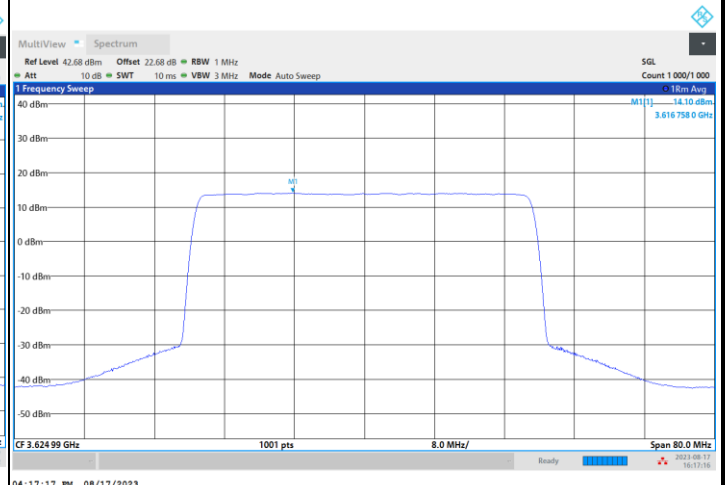
16QAM



64QAM



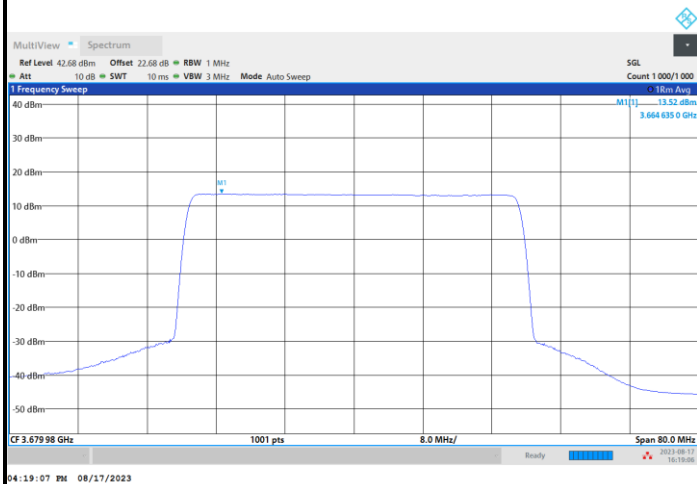
256QAM



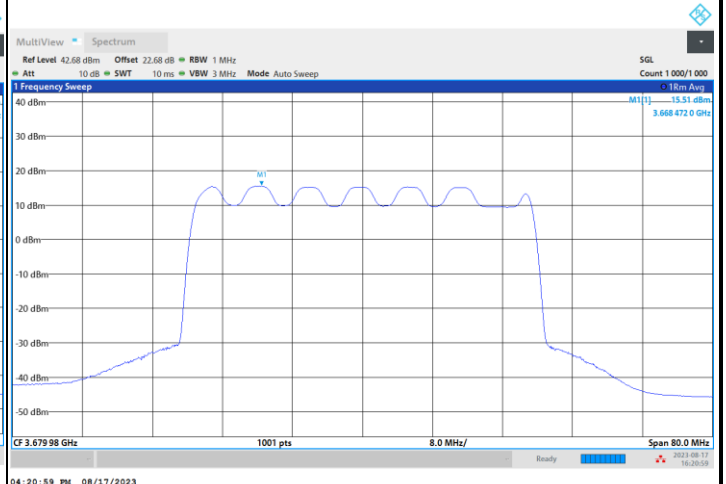


FR1 n48 / 40MHz / Highest Channel / PSD

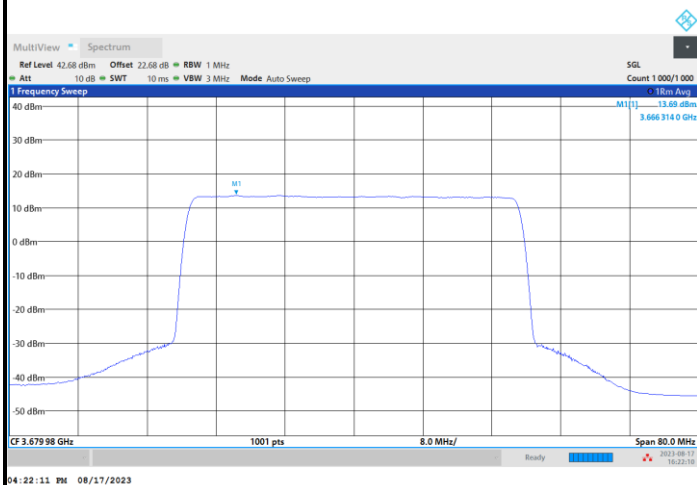
QPSK



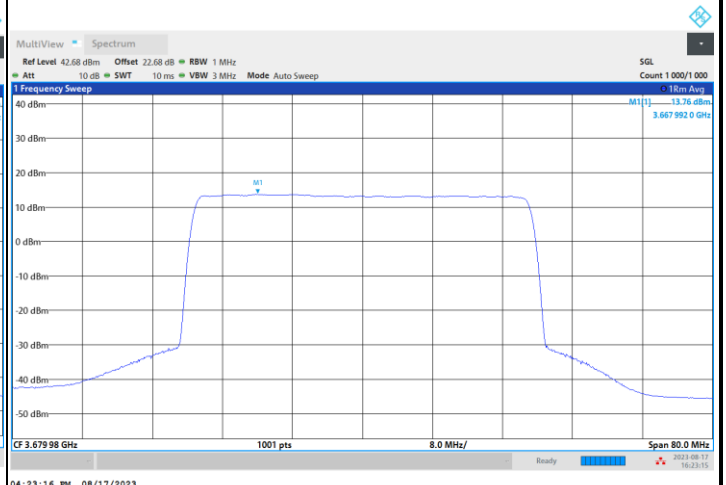
16QAM



64QAM



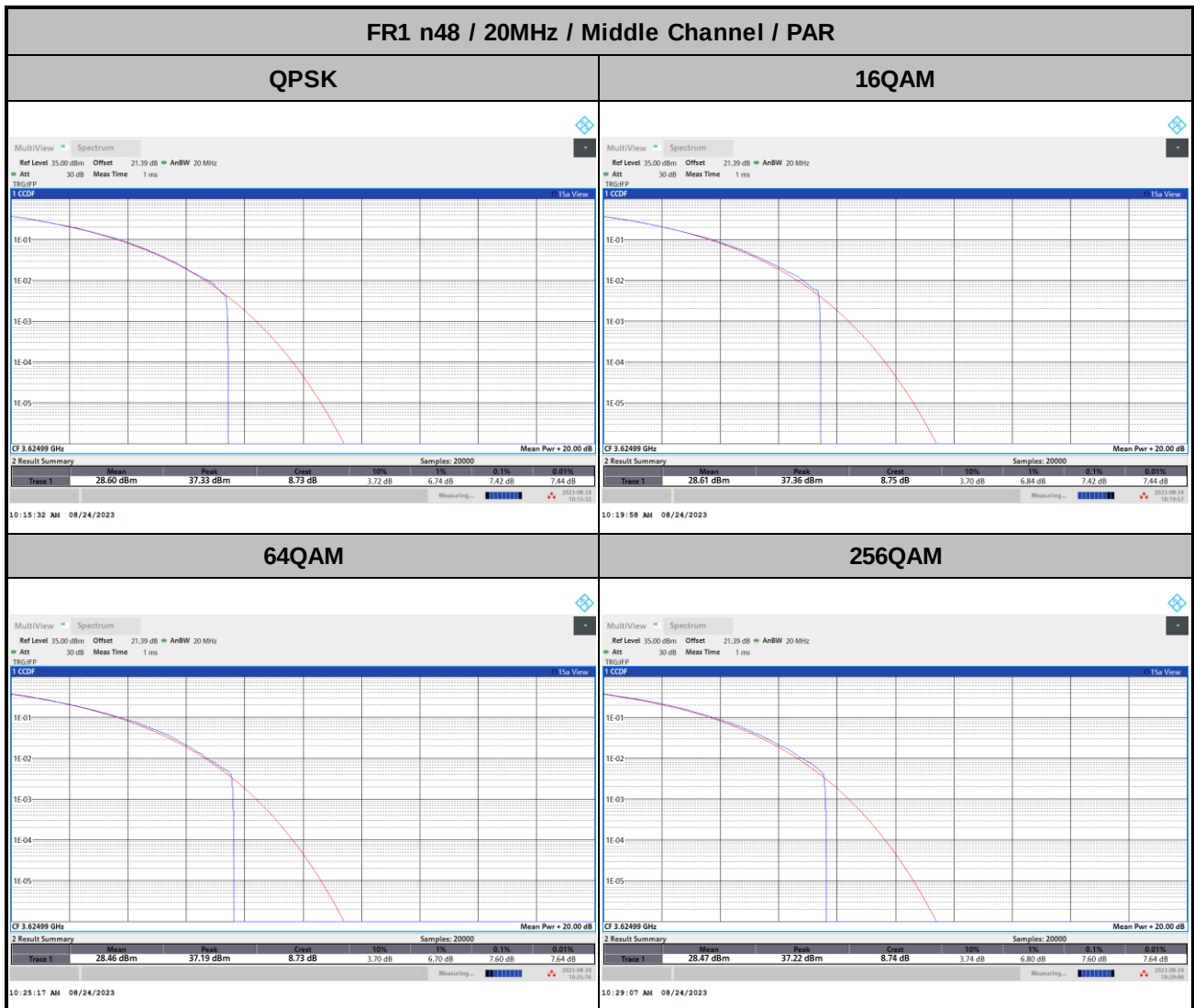
256QAM





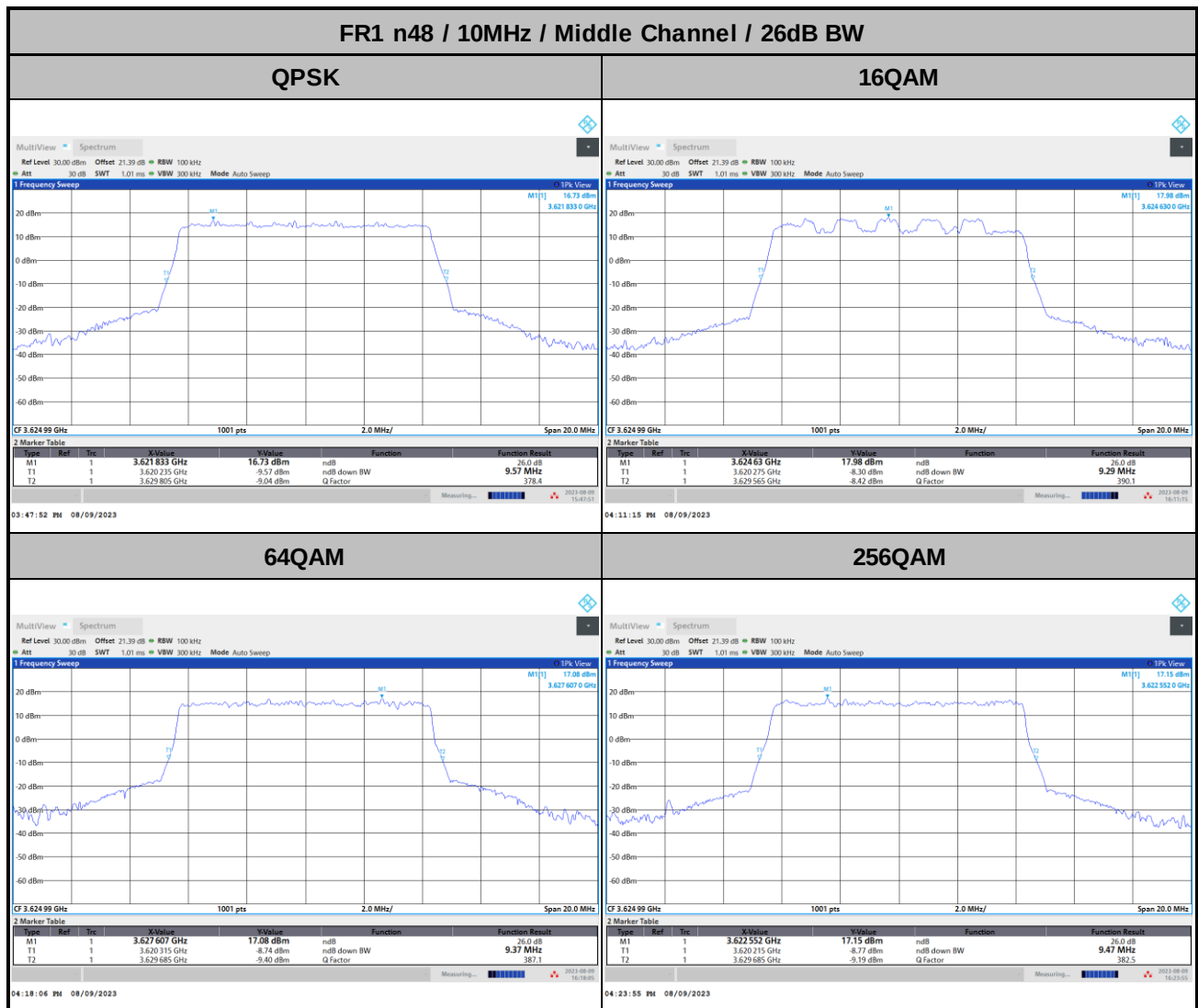
Peak-to-Average Ratio

Mode	FR1 n48 / 20MHz / PAR (dB)				Limit: 13dB
Mod.	QPSK	16QAM	64QAM	256QAM	Result
Middle CH	7.42	7.42	7.60	7.60	PASS



**26dB Bandwidth**

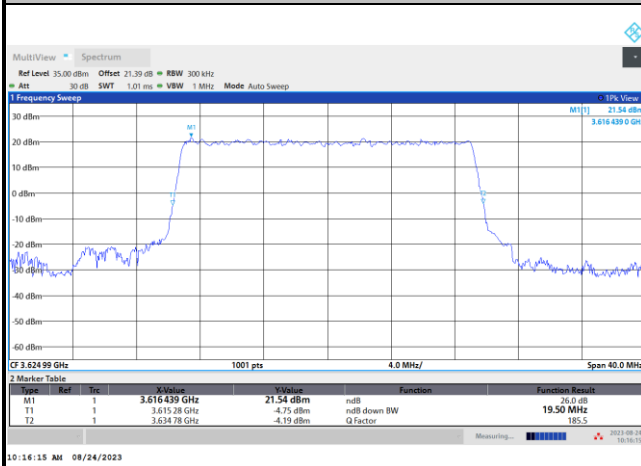
Mode	FR1 n48 : 26dB BW(MHz)							
BW	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	9.57	9.29	19.50	19.54	40.60	40.60	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	9.37	9.47	19.58	19.58	40.60	40.60	-	-
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	-	-	-	-



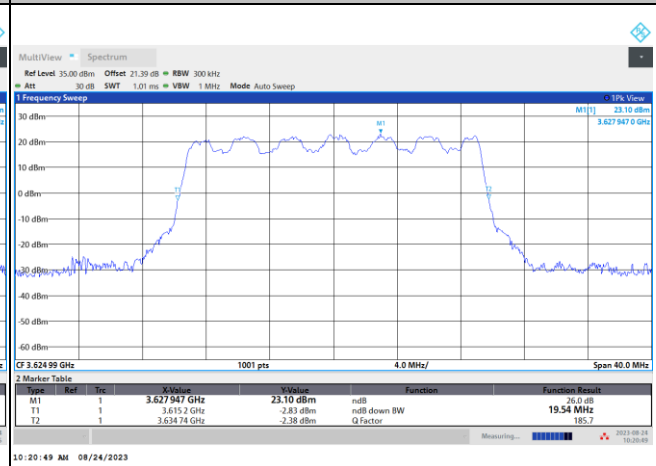


FR1 n48 / 20MHz / Middle Channel / 26dB BW

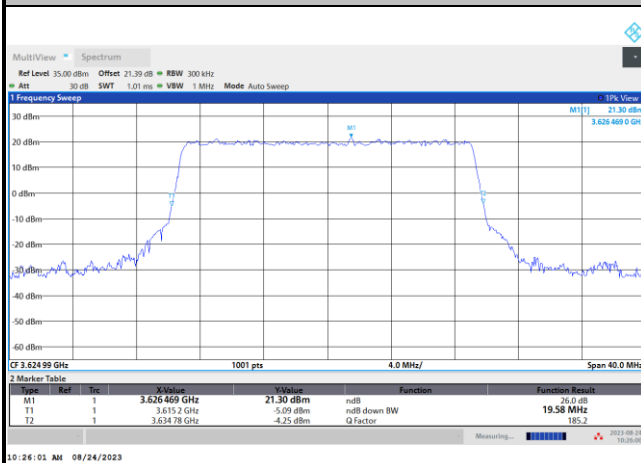
QPSK



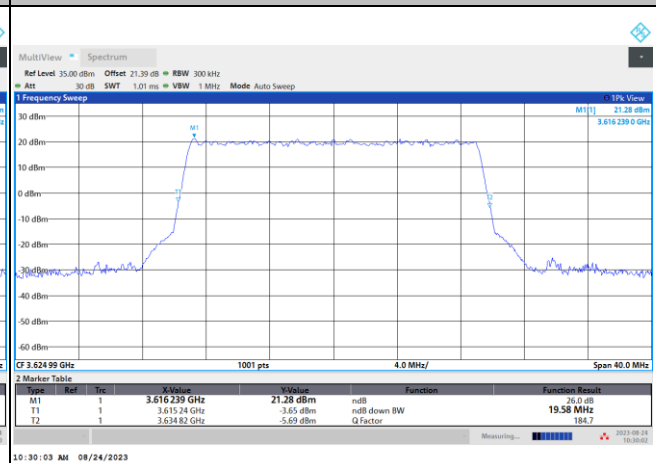
16QAM



64QAM



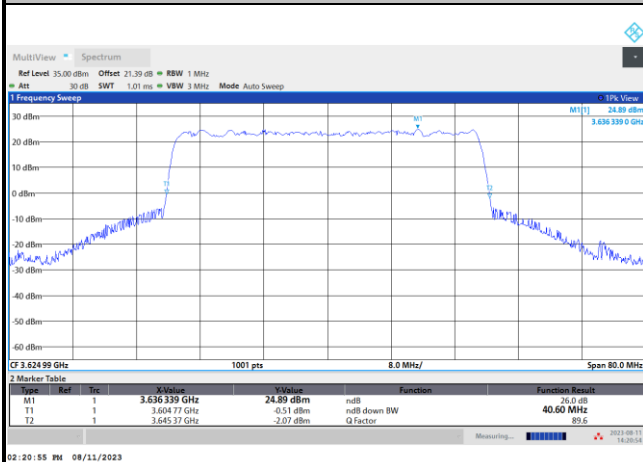
256QAM





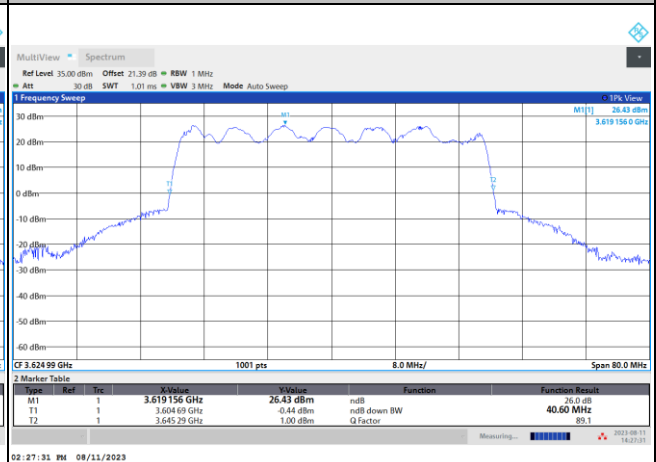
FR1 n48 / 40MHz / Middle Channel / 26dB BW

QPSK



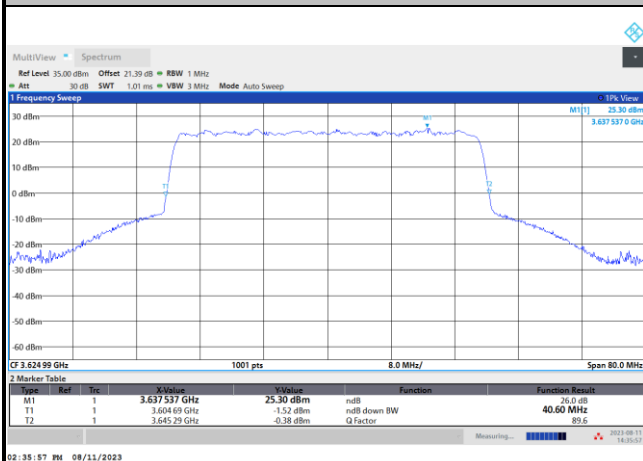
02:20:55 PM 08/11/2023

16QAM



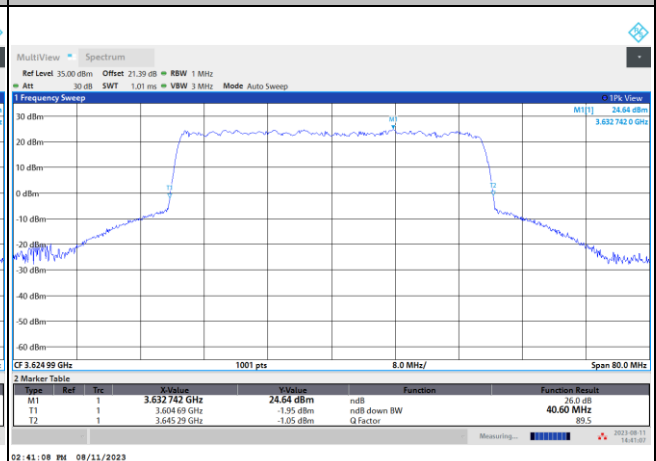
02:27:31 PM 08/11/2023

64QAM



02:35:57 PM 08/11/2023

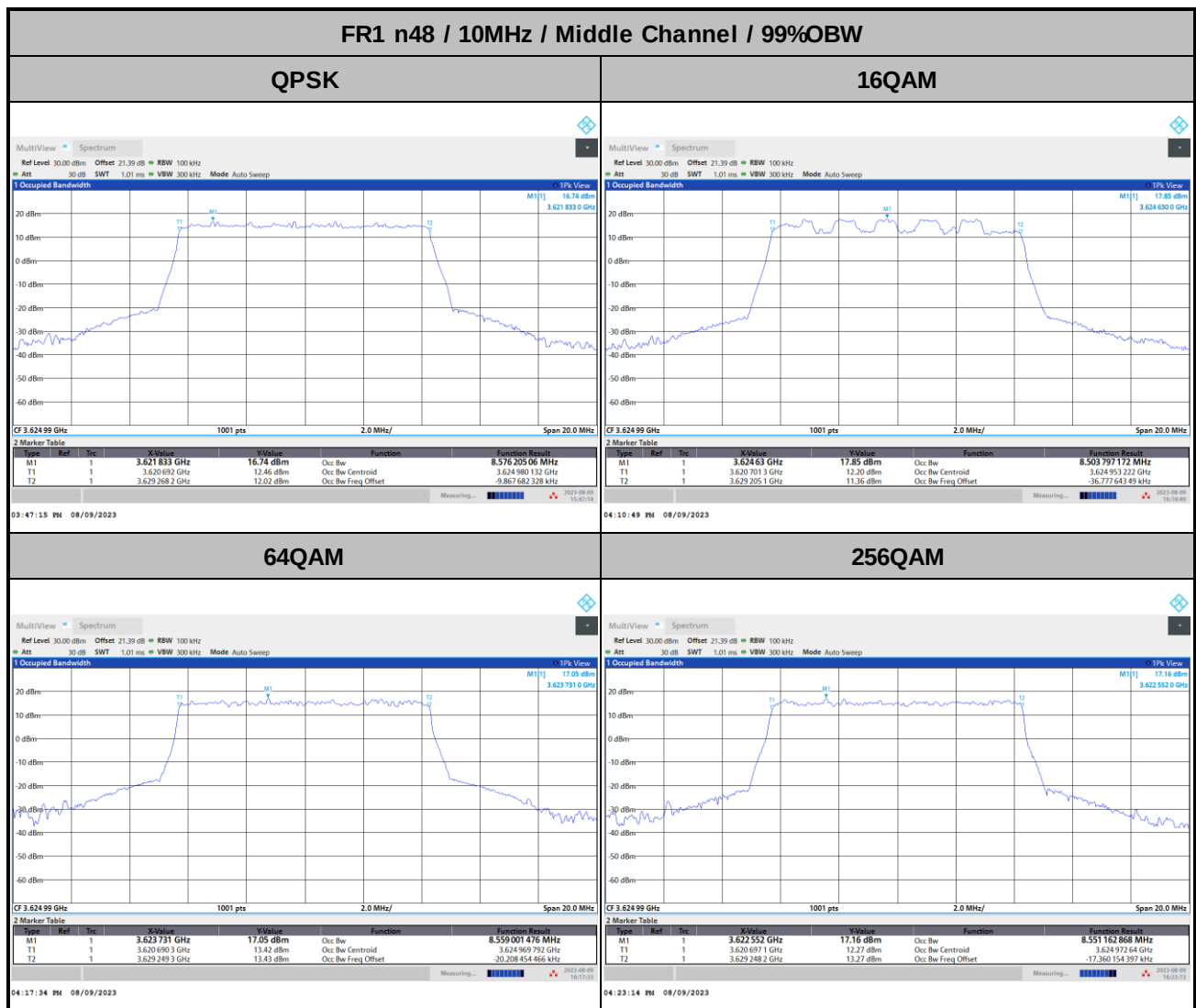
256QAM



02:41:08 PM 08/11/2023

**Occupied Bandwidth**

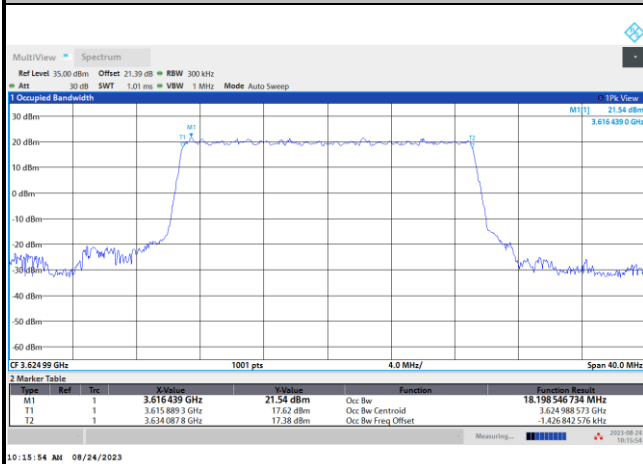
Mode	FR1 n48 : 99%OBW (MHz)							
BW	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.57	8.50	18.19	18.24	38.06	38.11	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.55	8.55	18.19	18.18	37.98	37.97	-	-
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	-	-	-	-



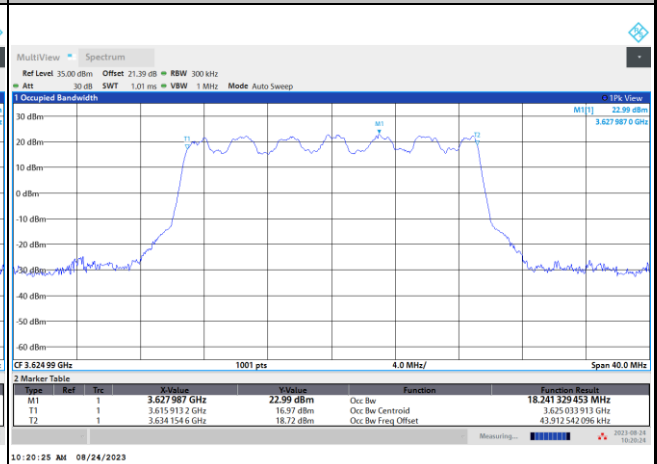


FR1 n48 / 20MHz / Middle Channel / 99%OBW

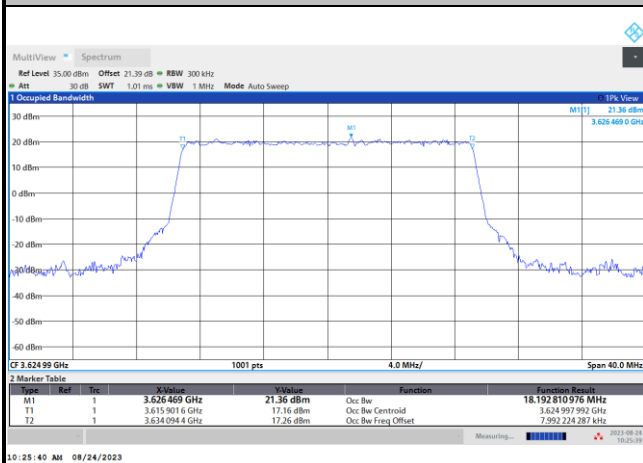
QPSK



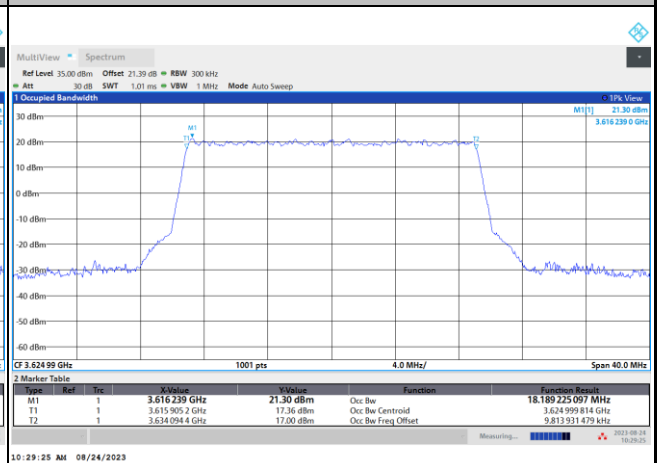
16QAM



64QAM



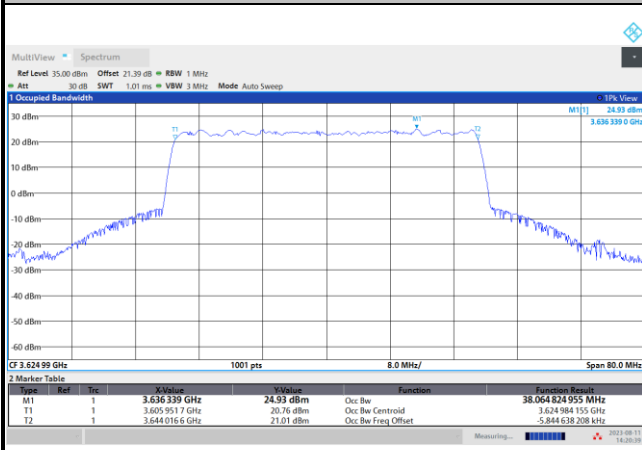
256QAM





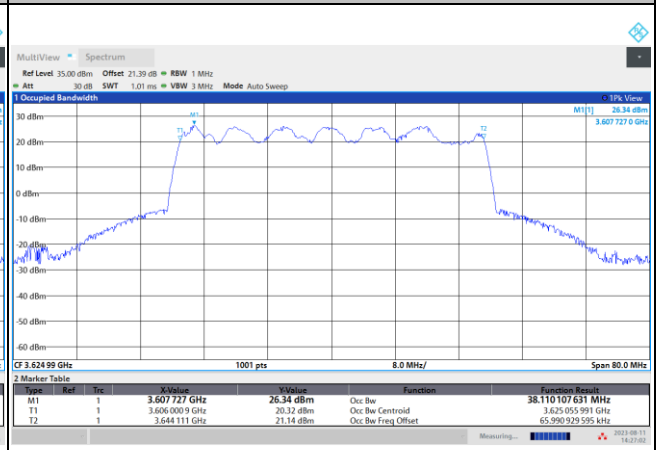
FR1 n48 / 40MHz / Middle Channel / 99%OBW

QPSK



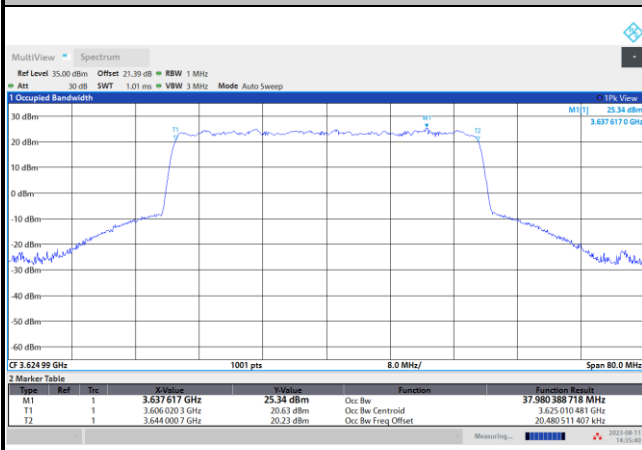
02:20:40 PM 08/11/2023

16QAM



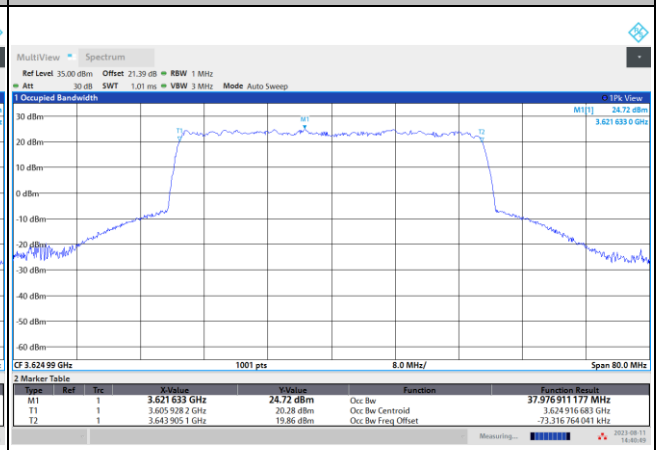
02:27:03 PM 08/11/2023

64QAM



02:35:40 PM 08/11/2023

256QAM



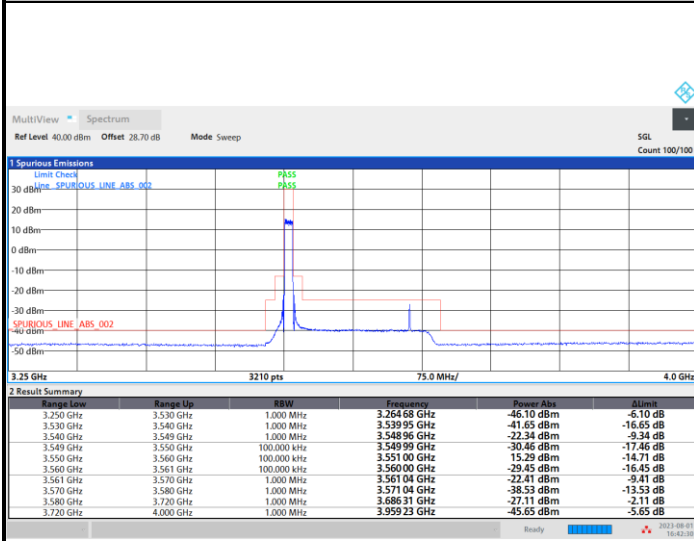
02:40:50 PM 08/11/2023



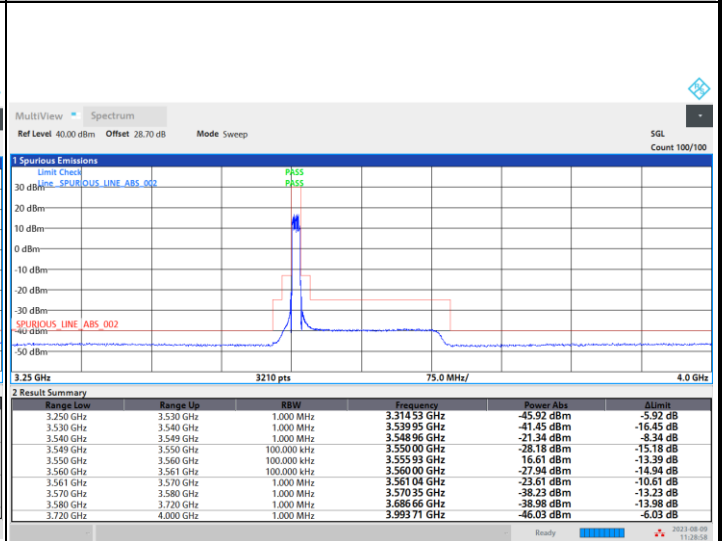
Unwanted Emission (MASK)

FR1 n48 / 10MHz / Lowest Channel / MASK

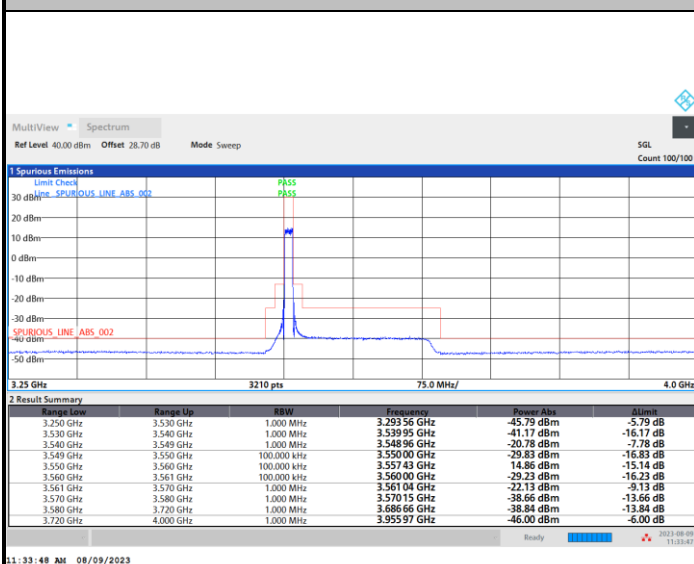
QPSK



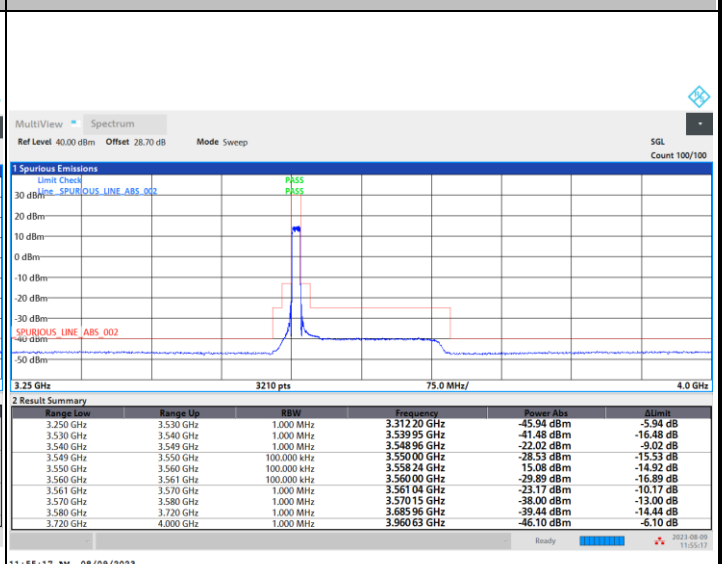
16QAM



64QAM



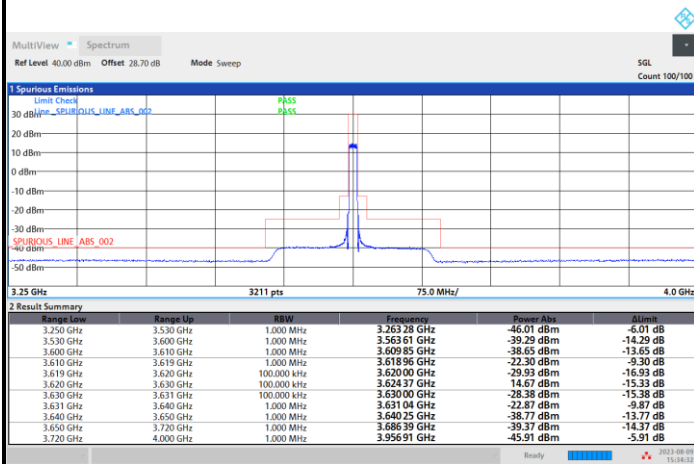
256QAM



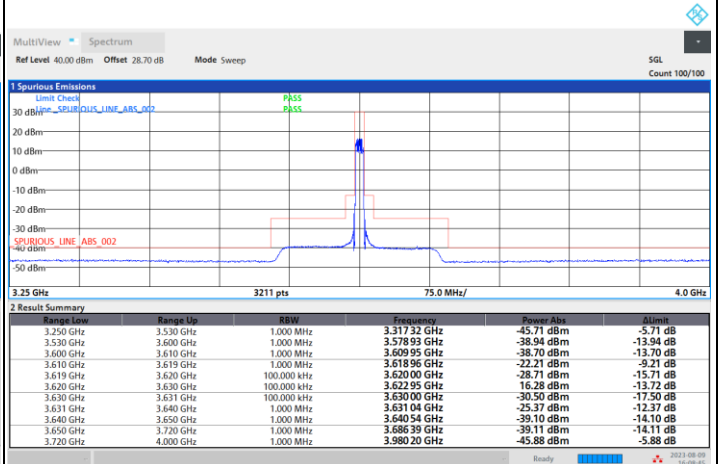


FR1 n48 / 10MHz / Middle Channel / MASK

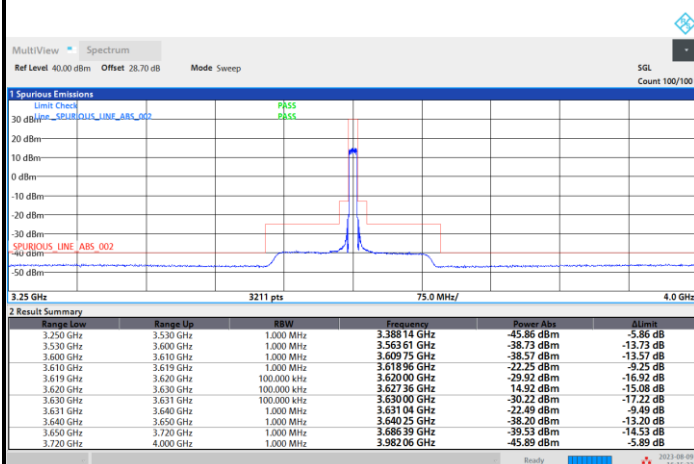
QPSK



16QAM



64QAM



256QAM

