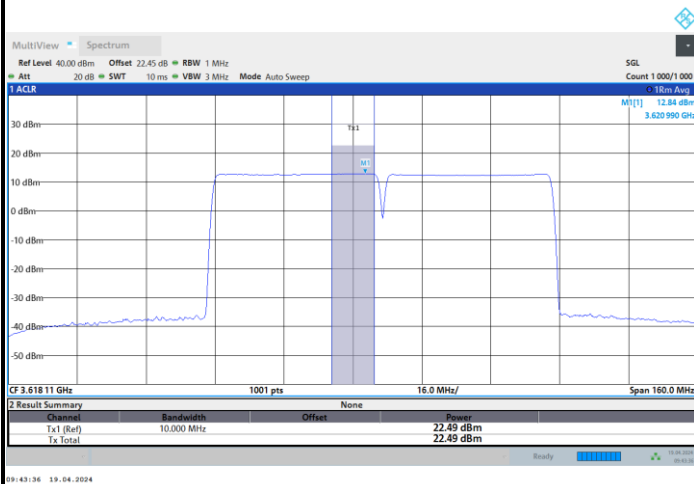


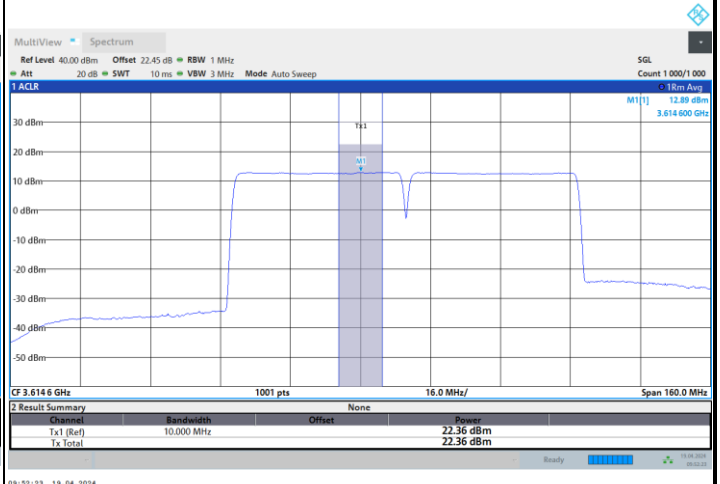


FR1 n48 / 40MHz+40MHz / Middle Channel / Conducted (dBm/10MHz)

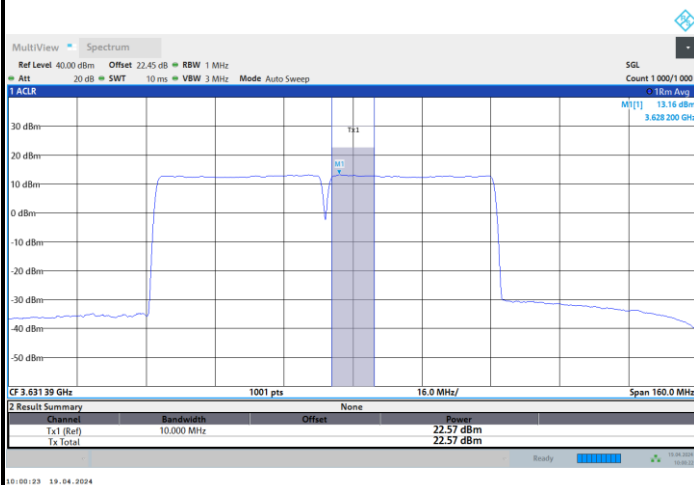
QPSK



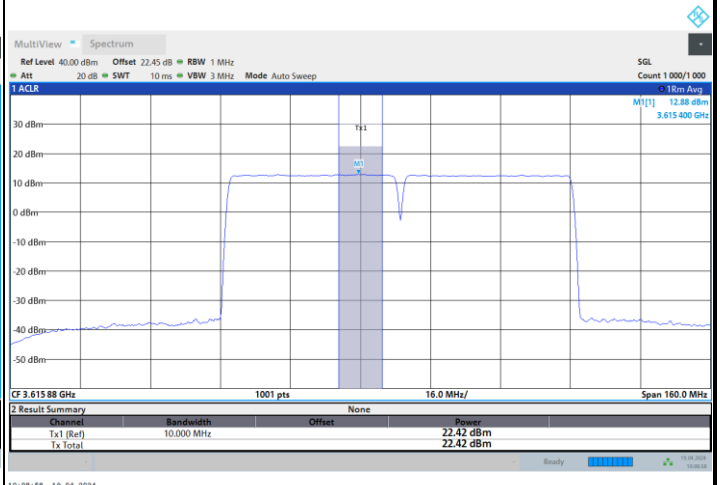
16QAM



64QAM



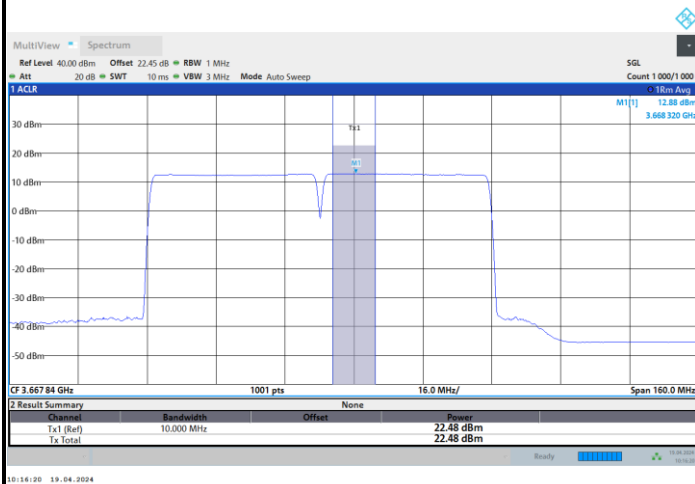
256QAM



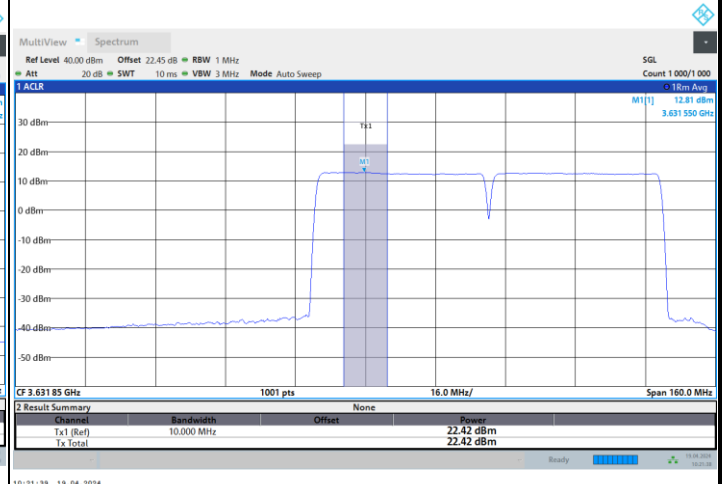


FR1 n48 / 40MHz+40MHz / Highest Channel / Conducted (dBm/10MHz)

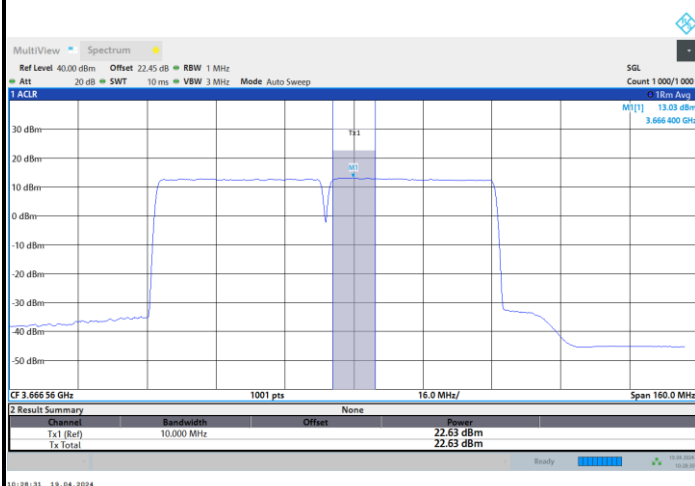
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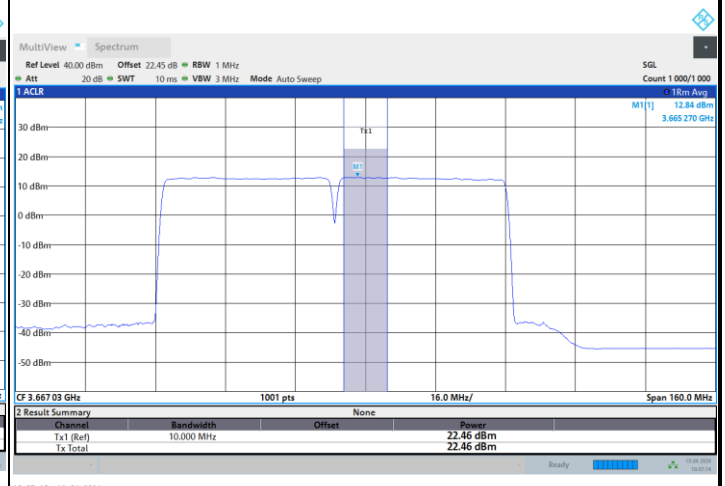
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64QAM



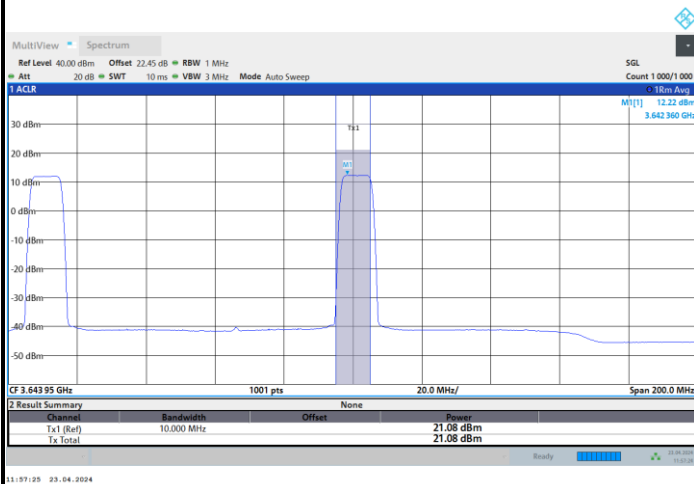
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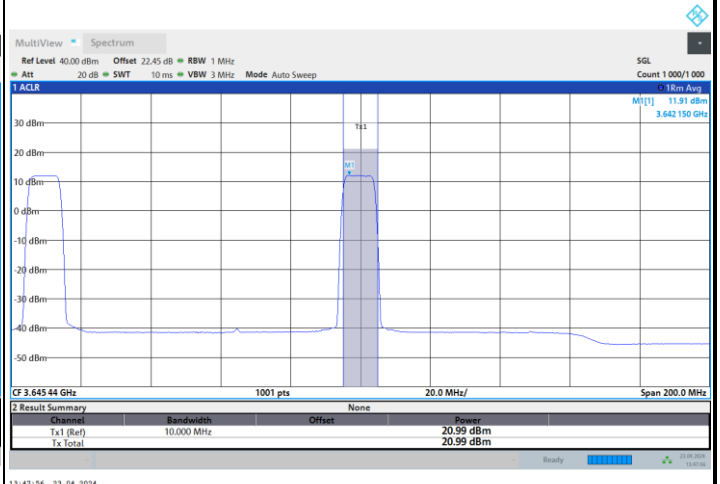


FR1 n48 / 10MHz+10MHz (Non Contiguous) / Lowest Channel / Conducted (dBm/10MHz)

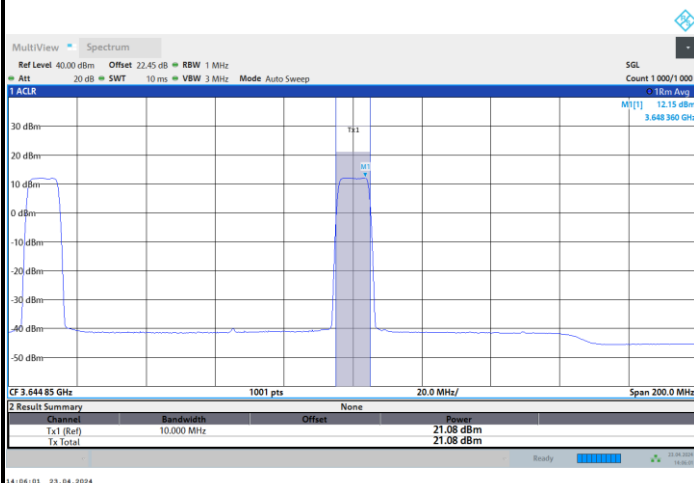
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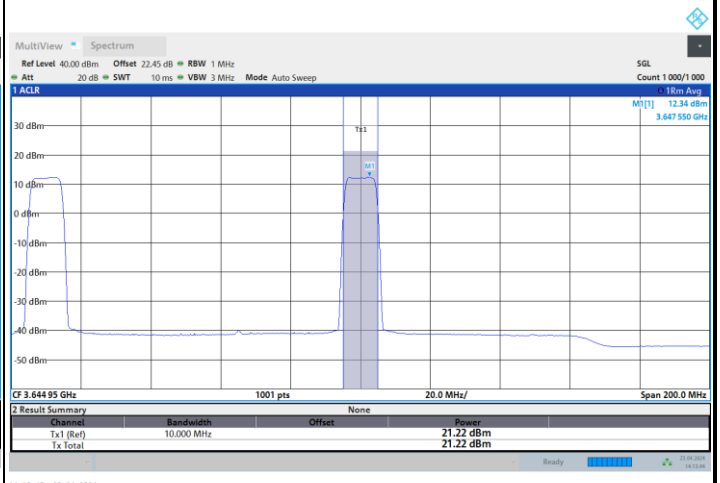
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64QAM



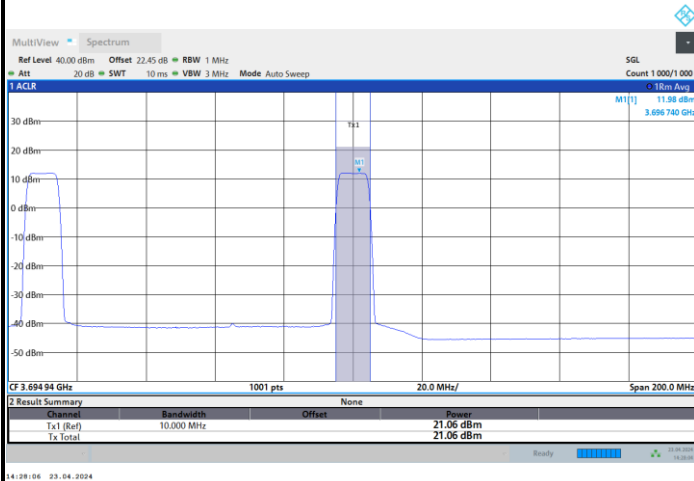
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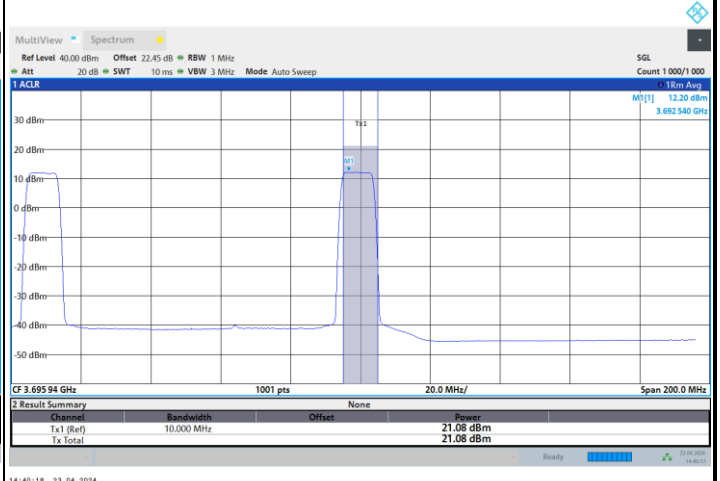


FR1 n48 / 10MHz+10MHz (Non Contiguous) / Highest Channel / Conducted (dBm/10MHz)

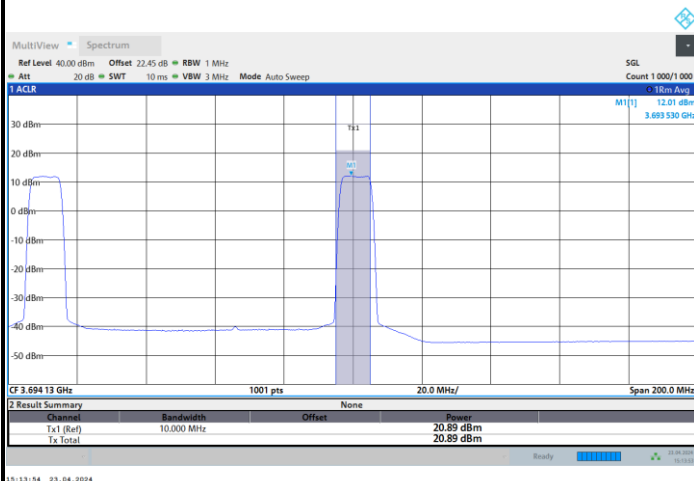
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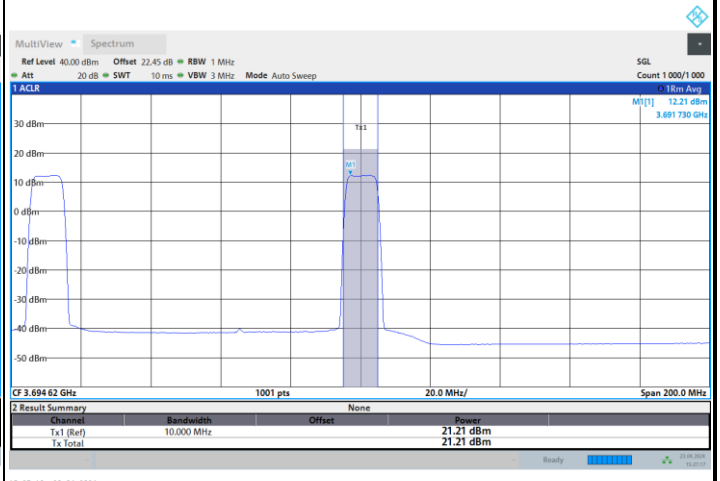
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64QAM



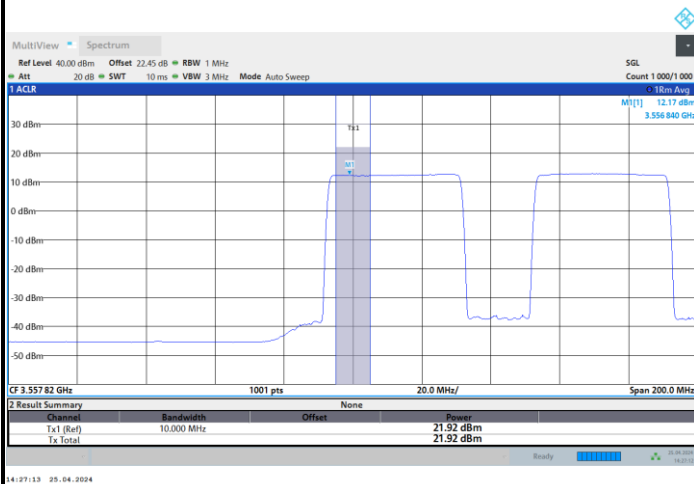
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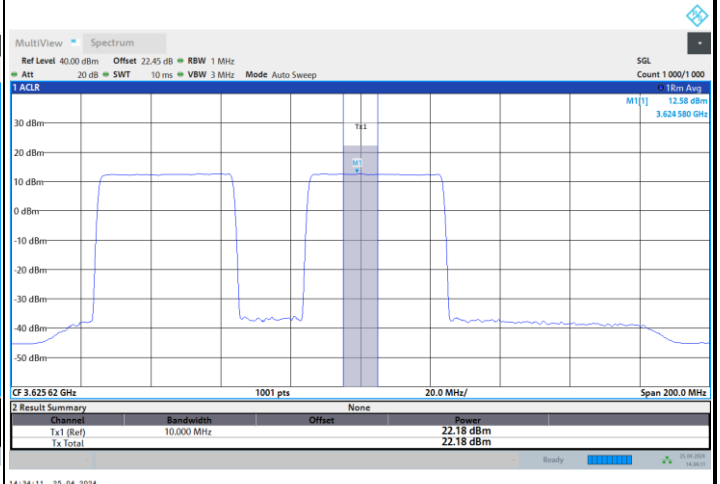


FR1 n48 / 40MHz+40MHz (Non Contiguous) / Lowest Channel / Conducted (dBm/10MHz)

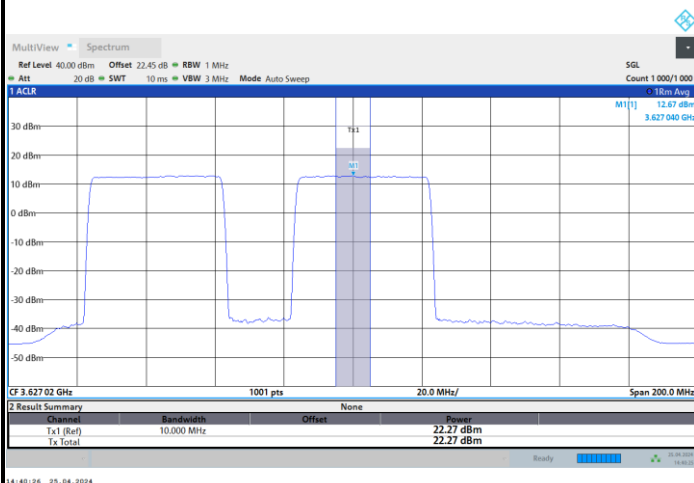
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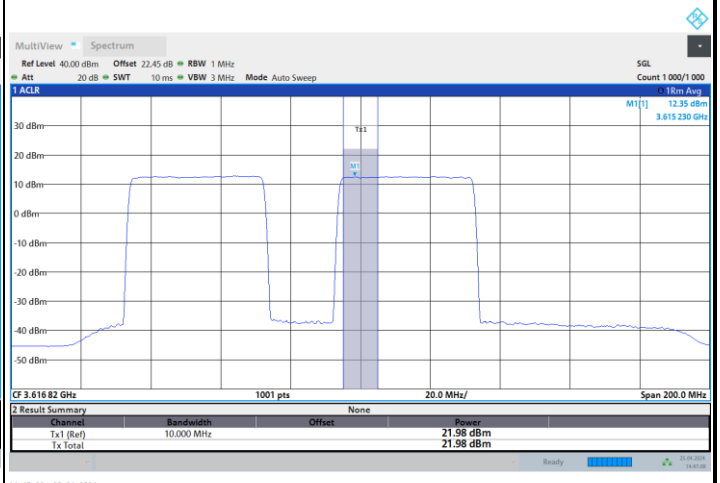
16QAM



64QAM



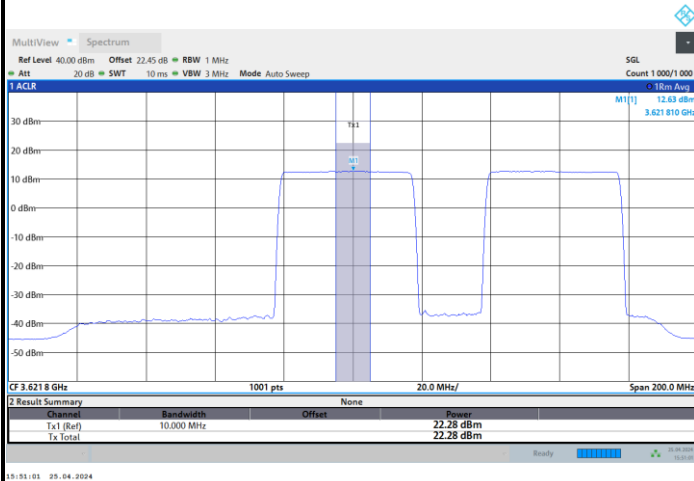
256QAM



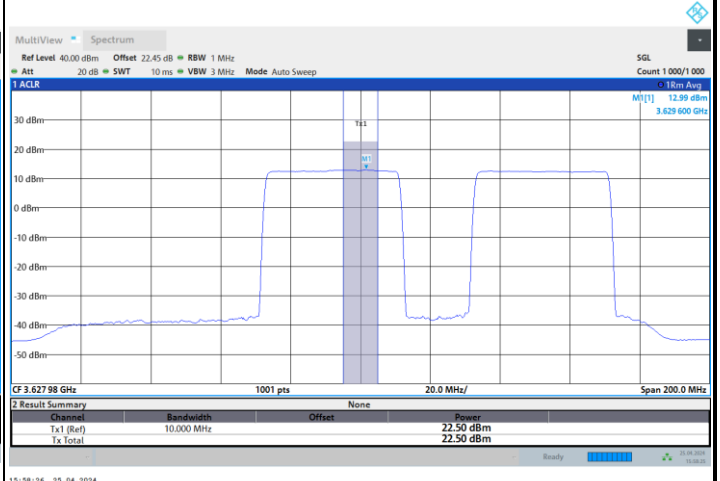


FR1 n48 / 40MHz+40MHz (Non Contiguous) / Highest Channel / Conducted (dBm/10MHz)

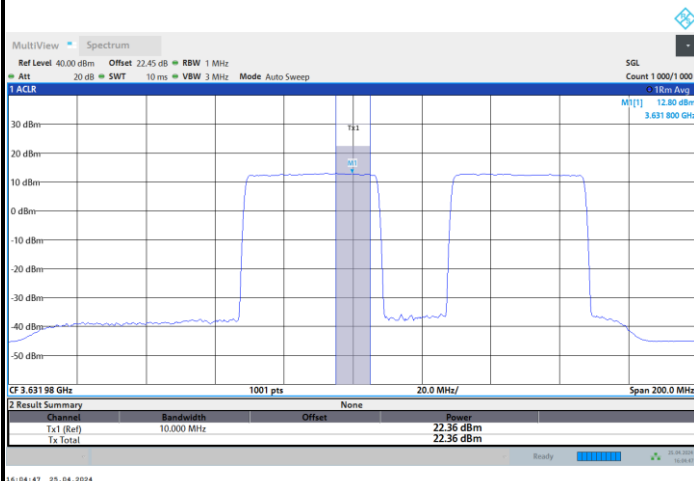
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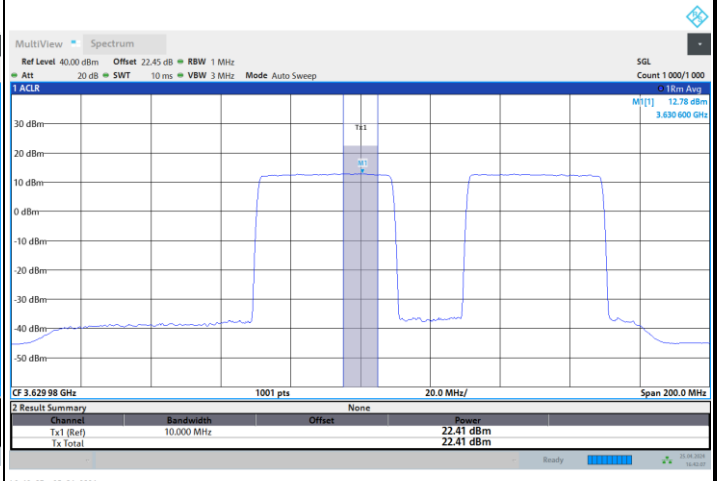
16QAM



64QAM



256QAM



**Power Spectral Density**

Mode	FR1 n48 : Conducted PSD (dBm/MHz) <SISO> Lowest Channel (Contiguous)							
BW	10MHz+10MHz		10MHz+20MHz		10MHz+40MHz		20MHz+10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	12.70	12.63	12.93	12.65	11.92	11.98	12.47	12.59
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	12.86	12.89	12.91	13.02	12.13	12.15	12.51	12.60
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	11.13	11.38	11.76	11.69	12.15	12.14	11.75	11.69
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	11.38	11.22	11.66	11.69	12.12	12.38	11.97	11.96
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Lowest CH	13.29	13.21						
Mod.	64QAM	256QAM						
Lowest CH	13.22	13.01						

Mode	FR1 n48 : Conducted PSD (dBm/MHz) <SISO> Lowest Channel (Non-Contiguous)							
BW	10MHz+10MHz		40MHz+40MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Lowest CH	12.56	12.34	12.95	13.04				
Mod.	64QAM	256QAM	64QAM	256QAM				
Lowest CH	12.24	12.30	13.14	13.13				



Mode	FR1 n48 : EIRP PSD (dBm/MHz) <MIMO 4TX> Lowest Channel (Contiguous)							
BW	10MHz+10MHz		10MHz+20MHz		10MHz+40MHz		20MHz+10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	36.22	36.15	36.45	36.17	35.44	35.5	35.99	36.11
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	36.38	36.41	36.43	36.54	35.65	35.67	36.03	36.12
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	34.65	34.90	35.28	35.21	35.67	35.66	35.27	35.21
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	34.90	34.74	35.18	35.21	35.64	35.90	35.49	35.48
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Lowest CH	36.81	36.73						
Mod.	64QAM	256QAM						
Lowest CH	36.74	36.53						
Limit	37dBm/MHz							
Result	PASS							

Mode	FR1 n48 : EIRP PSD (dBm/MHz) <MIMO 4TX> Lowest Channel (Non-Contiguous)							
BW	10MHz+10MHz		40MHz+40MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Lowest CH	36.08	35.86	36.47	36.56				
Mod.	64QAM	256QAM	64QAM	256QAM				
Lowest CH	35.76	35.82	36.66	36.65				
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) + 17.5dBi MIMO antenna gain.



Mode	FR1 n48 : Conducted PSD (dBm/MHz) <SISO> Middle Channel (Contiguous)							
BW	10MHz+10MHz		10MHz+20MHz		10MHz+40MHz		20MHz+10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	12.55	12.56	12.63	12.48	12.11	12.19	12.14	12.09
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	12.70	12.77	12.88	12.72	12.45	12.22	12.13	12.43
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	12.20	12.13	11.63	11.71	12.18	12.30	11.95	11.77
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	12.25	12.05	11.67	11.46	12.34	12.54	11.91	12.06
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Middle CH	13.02	13.08						
Mod.	64QAM	256QAM						
Middle CH	13.07	13.04						



Mode	FR1 n48 : EIRP PSD (dBm/MHz) <MIMO 4TX> Middle Channel (Contiguous)							
BW	10MHz+10MHz		10MHz+20MHz		10MHz+40MHz		20MHz+10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	36.07	36.08	36.15	36.00	35.63	35.71	35.66	35.61
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	36.22	36.29	36.40	36.24	35.97	35.74	35.65	35.95
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	35.72	35.65	35.15	35.23	35.70	35.82	35.47	35.29
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	35.77	35.57	35.19	34.98	35.86	36.06	35.43	35.58
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Middle CH	36.54	36.60						
Mod.	64QAM	256QAM						
Middle CH	36.59	36.56						
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) + 17.5dBi MIMO antenna gain.



Mode	FR1 n48 : Conducted PSD (dBm/MHz) <SISO> Highest Channel (Contiguous)							
BW	10MHz+10MHz		10MHz+20MHz		10MHz+40MHz		20MHz+10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	12.35	12.34	12.62	12.42	12.18	12.13	11.98	11.83
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	12.44	12.32	12.81	12.94	12.11	12.32	11.90	12.13
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	12.31	12.45	11.69	11.56	12.03	11.87	11.70	11.73
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	12.39	12.17	11.60	11.74	11.80	11.95	11.59	11.84
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Middle CH	12.78	12.83						
Mod.	64QAM	256QAM						
Middle CH	12.99	12.90						

Mode	FR1 n48 : Conducted PSD (dBm/MHz) <SISO> Highest Channel (Non-Contiguous)							
BW	10MHz+10MHz		40MHz+40MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Middle CH	12.14	12.08	12.76	12.86				
Mod.	64QAM	256QAM	64QAM	256QAM				
Middle CH	12.20	12.07	12.97	12.68				



Mode	FR1 n48 : EIRP PSD (dBm/MHz) <MIMO 4TX> Highest Channel (Contiguous)							
BW	10MHz+10MHz		10MHz+20MHz		10MHz+40MHz		20MHz+10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	35.87	35.86	36.14	35.94	35.70	35.65	35.5	35.35
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	35.96	35.84	36.33	36.46	35.63	35.84	35.42	35.65
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	35.83	35.97	35.21	35.08	35.55	35.39	35.22	35.25
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	35.91	35.69	35.12	35.26	35.32	35.47	35.11	35.36
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Middle CH	36.30	36.35						
Mod.	64QAM	256QAM						
Middle CH	36.51	36.42						
Limit	37dBm/MHz							
Result	PASS							

Mode	FR1 n48 : EIRP PSD (dBm/MHz) <MIMO 4TX> Highest Channel (Non-Contiguous)							
BW	10MHz+10MHz		40MHz+40MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Middle CH	35.66	35.6	36.28	36.38				
Mod.	64QAM	256QAM	64QAM	256QAM				
Middle CH	35.72	35.59	36.49	36.20				
Limit	37dBm/MHz							
Result	PASS							

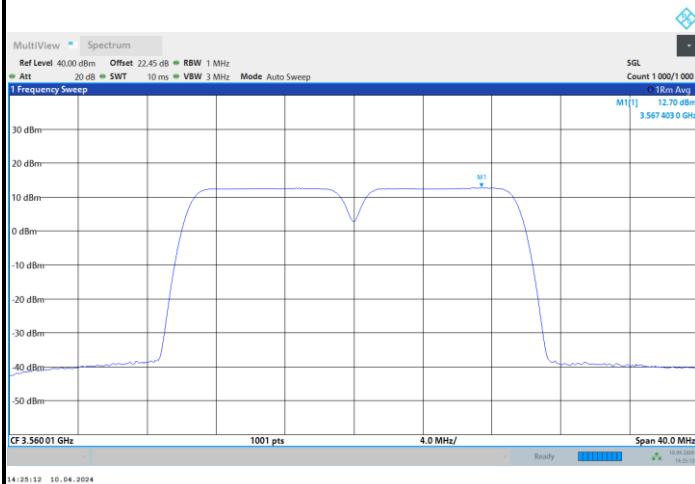
Note

1. The measured conducted PSD result has included duty cycle offset factor.
2. The EIRP PSD = conducted PSD result + 6.02dB (4TX) + 17.5dBi MIMO antenna gain.

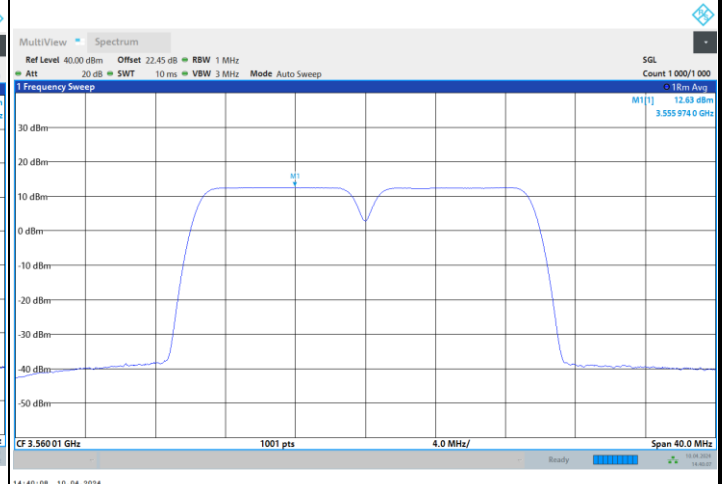


FR1 n48 / 10MHz+10MHz / Lowest Channel / PSD

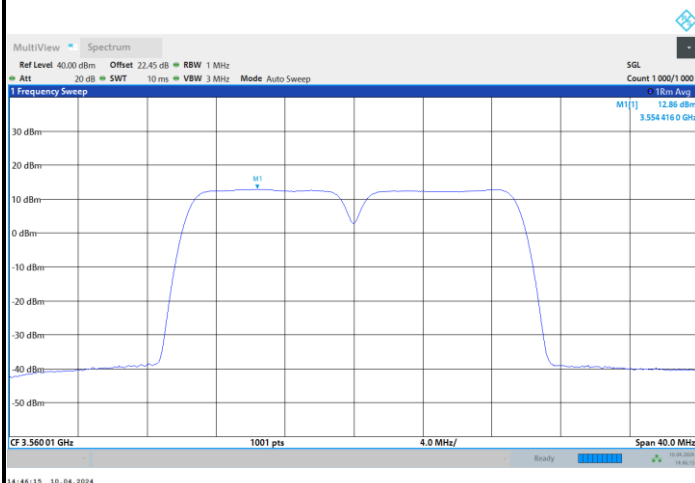
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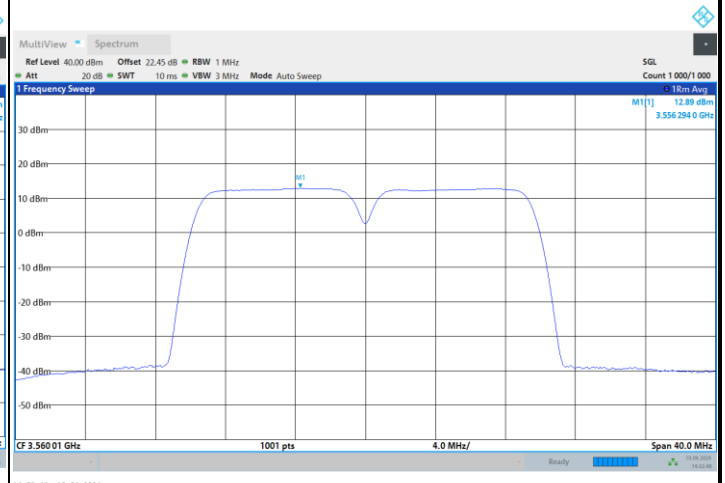
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64QAM



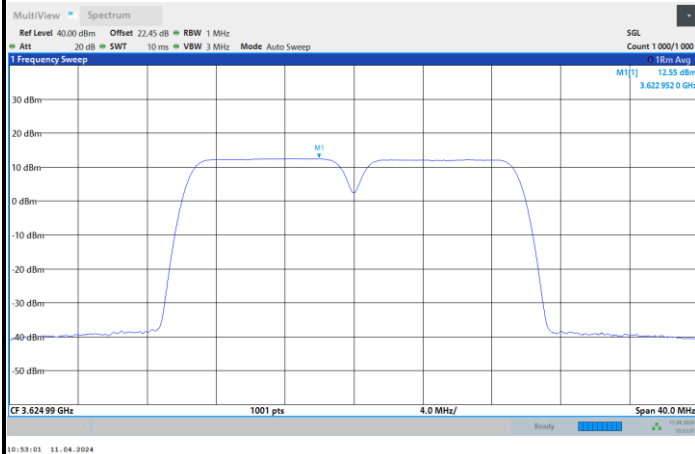
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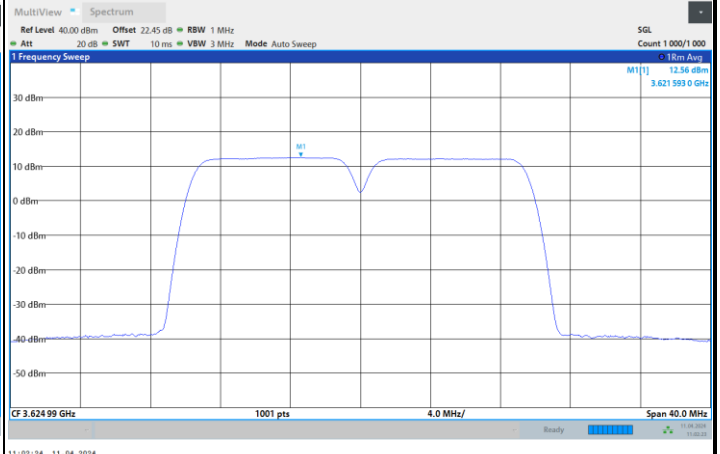


FR1 n48 / 10MHz+10MHz / Middle Channel / PSD

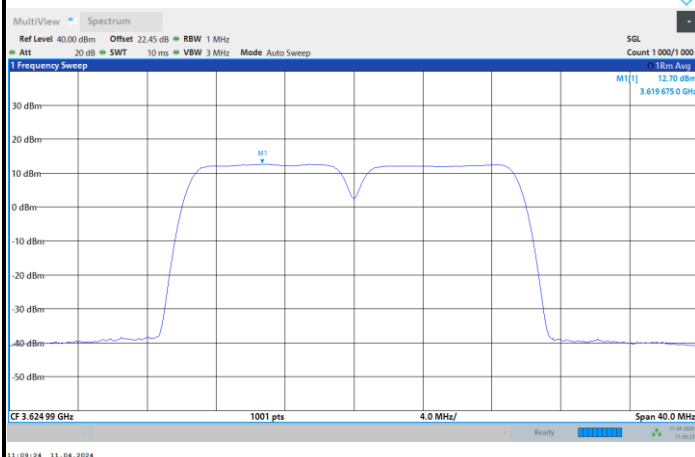
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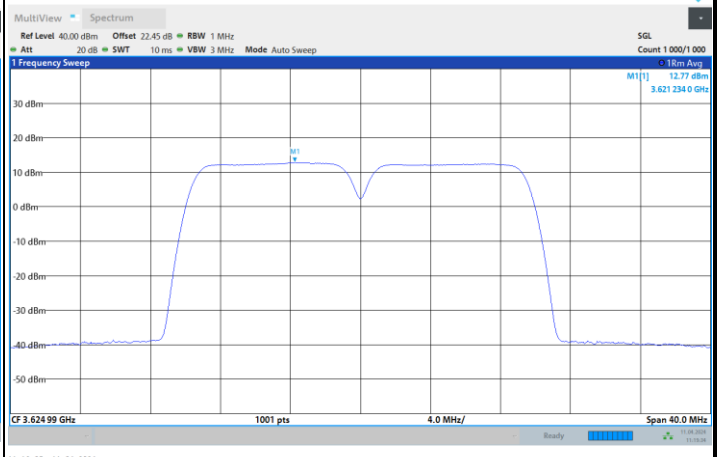
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64QAM



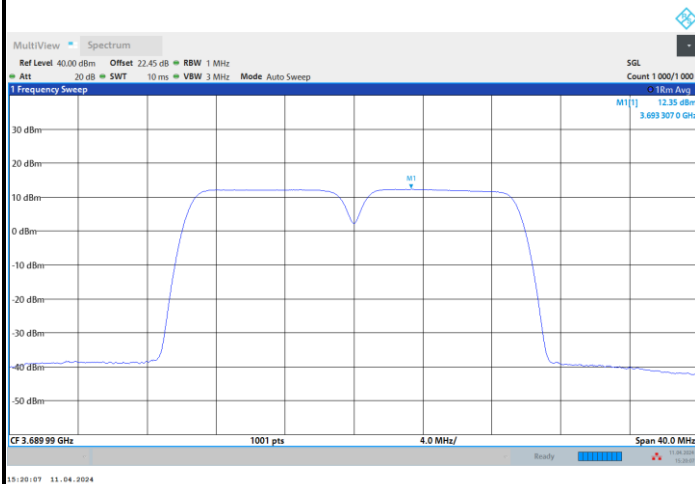
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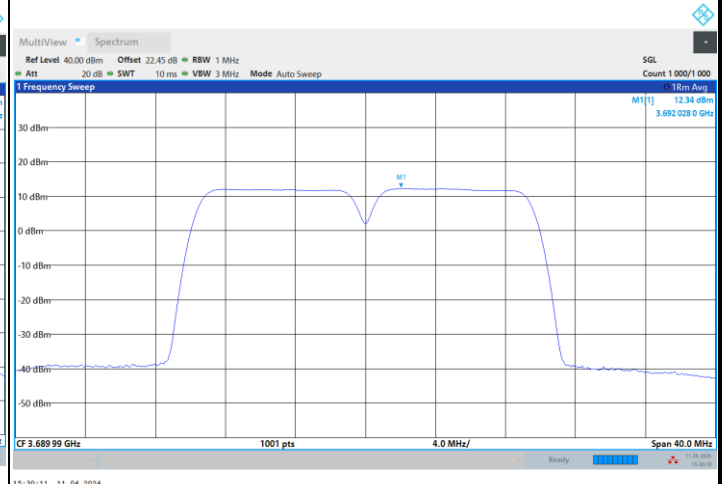


FR1 n48 / 10MHz+10MHz / Highest Channel / PSD

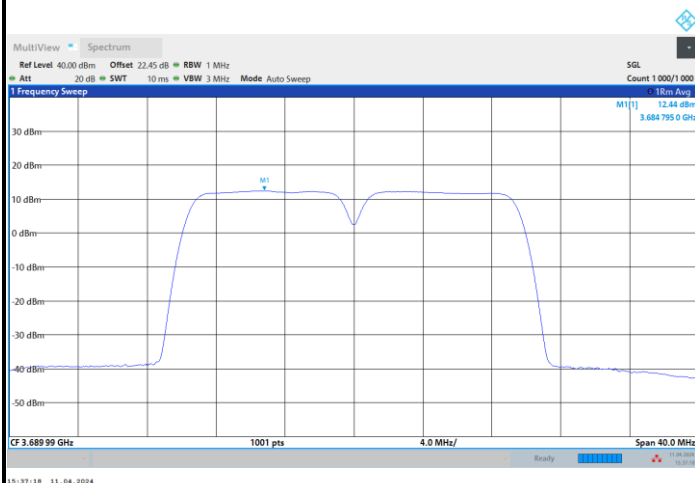
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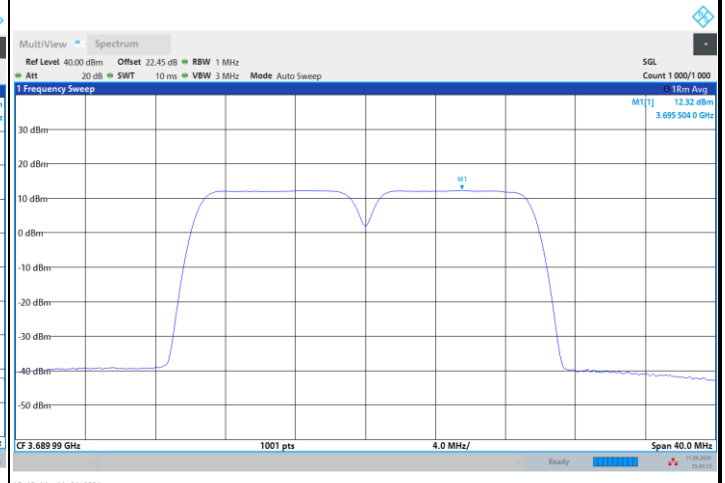
16QAM



64QAM



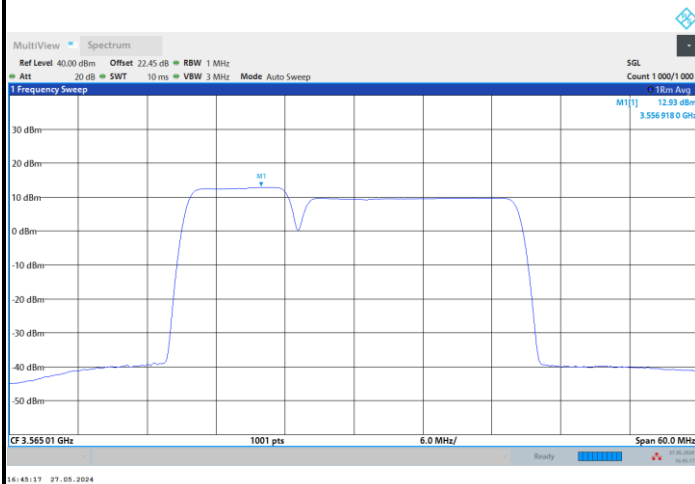
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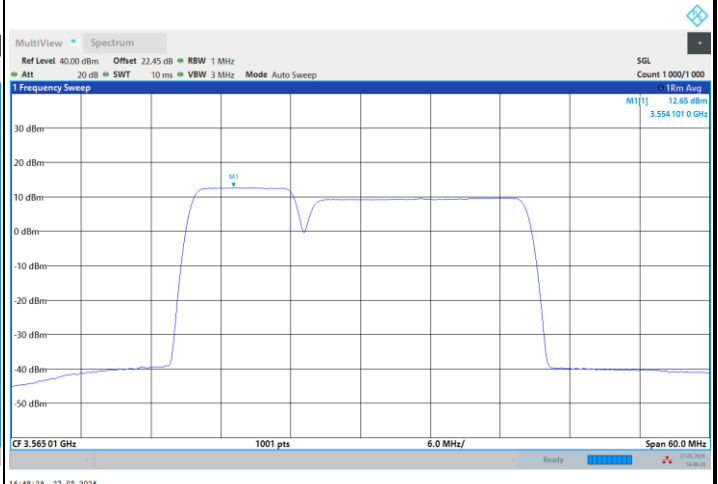


FR1 n48 / 10MHz+20MHz / Lowest Channel / PSD

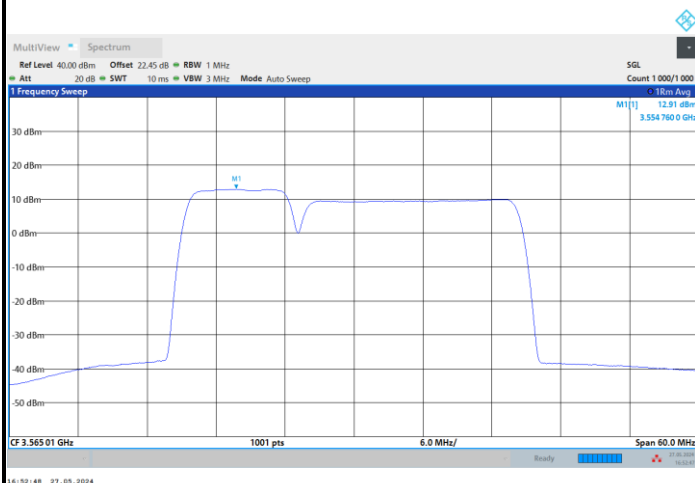
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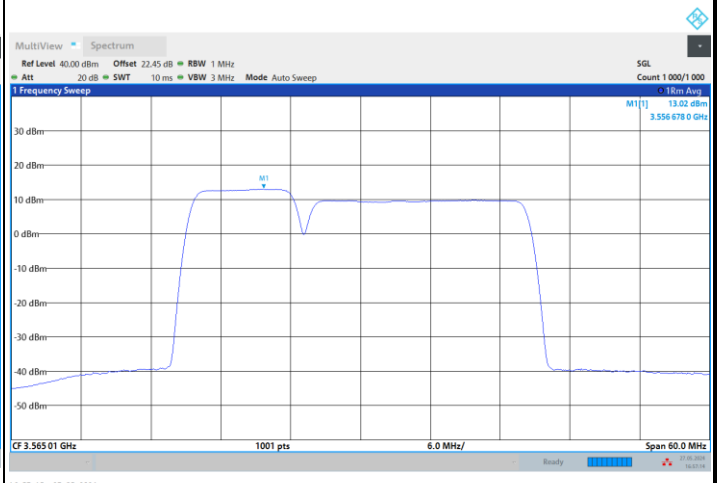
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64QAM



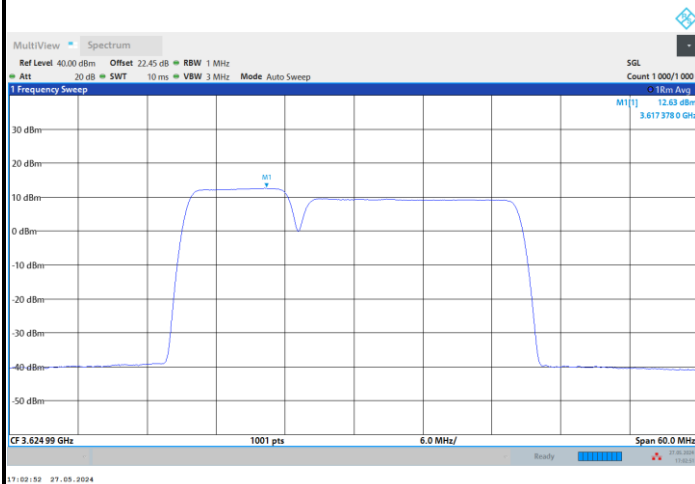
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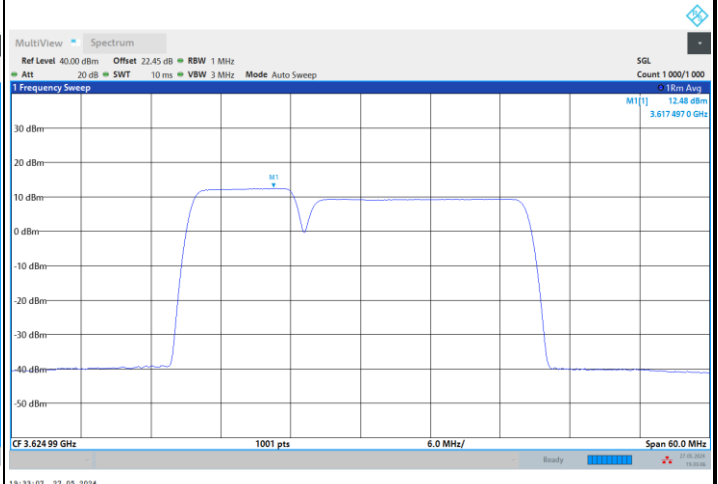


FR1 n48 / 10MHz+20MHz / Middle Channel / PSD

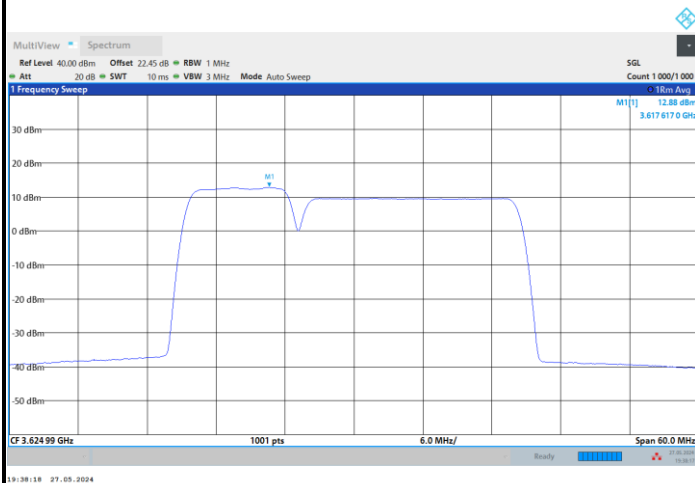
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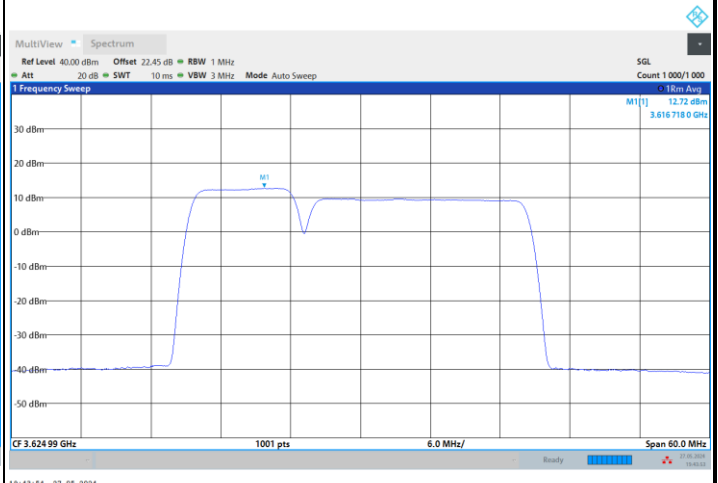
16QAM



64QAM



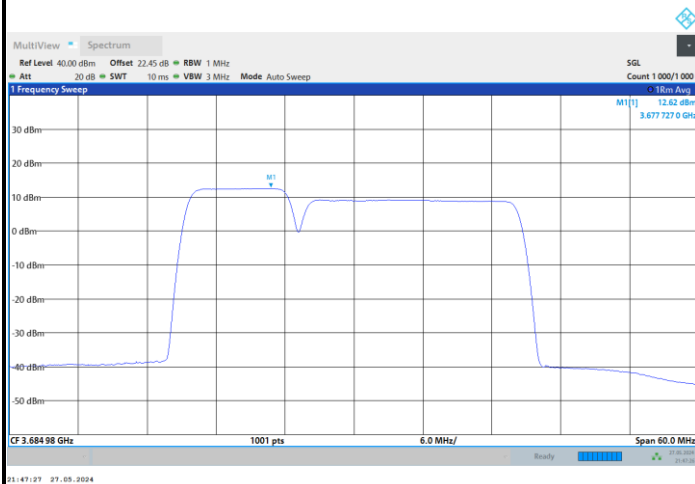
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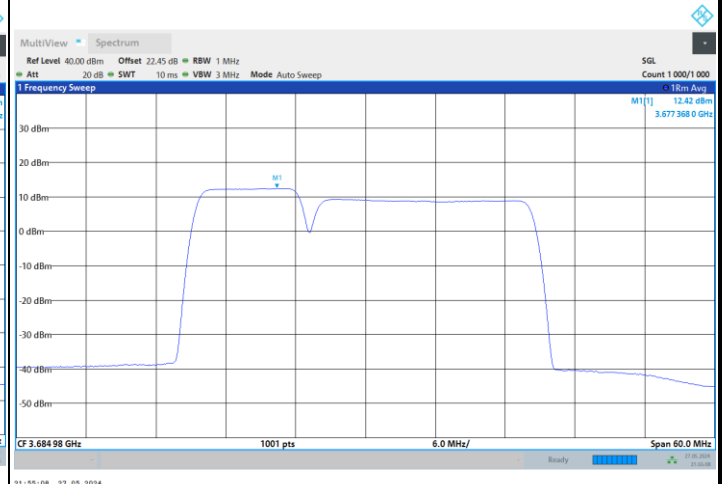


FR1 n48 / 10MHz+20MHz / Highest Channel / PSD

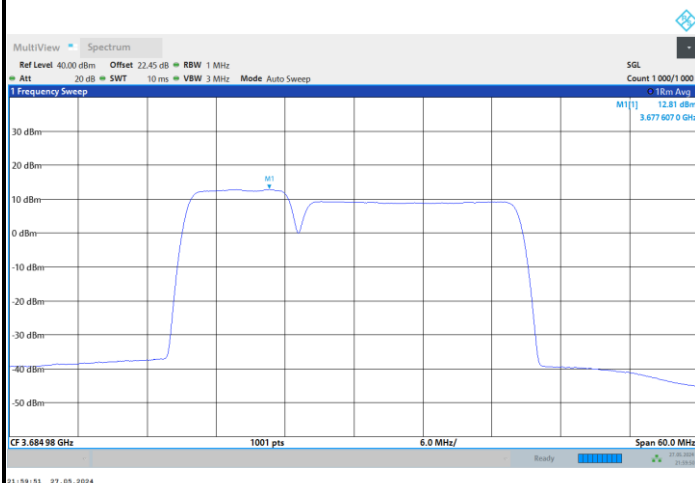
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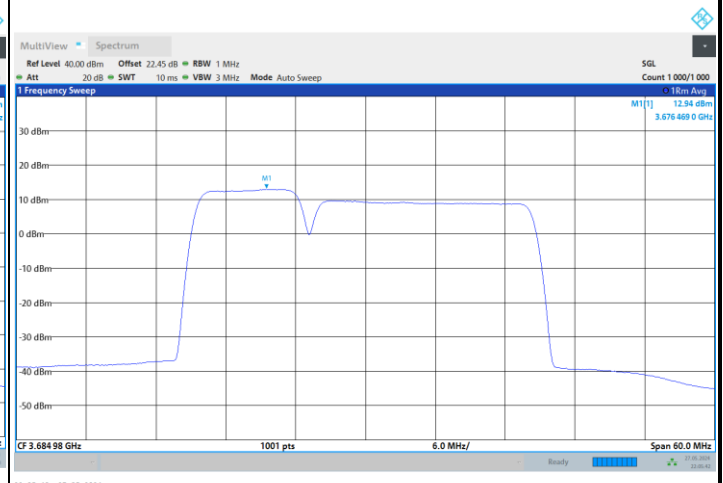
16QAM



64QAM



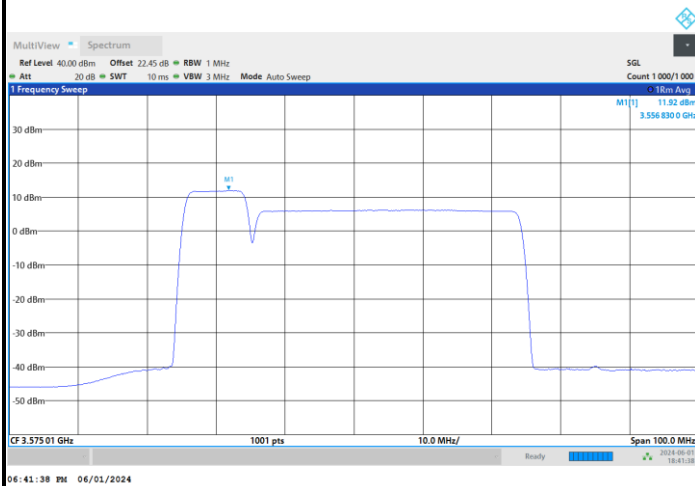
256QAM



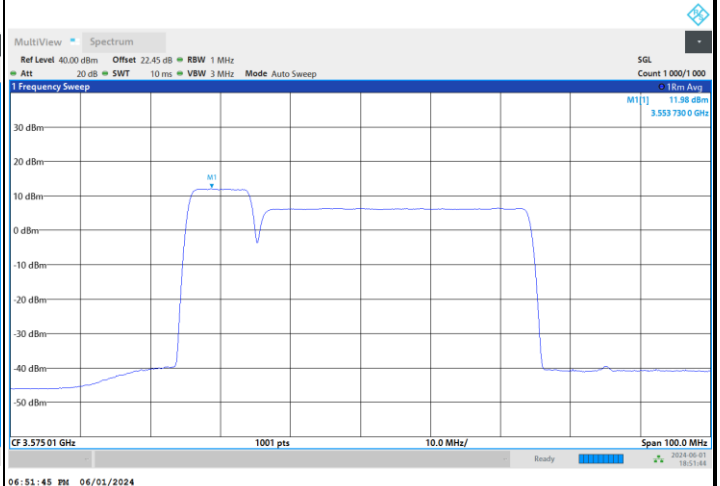


FR1 n48 / 10MHz+40MHz / Lowest Channel / PSD

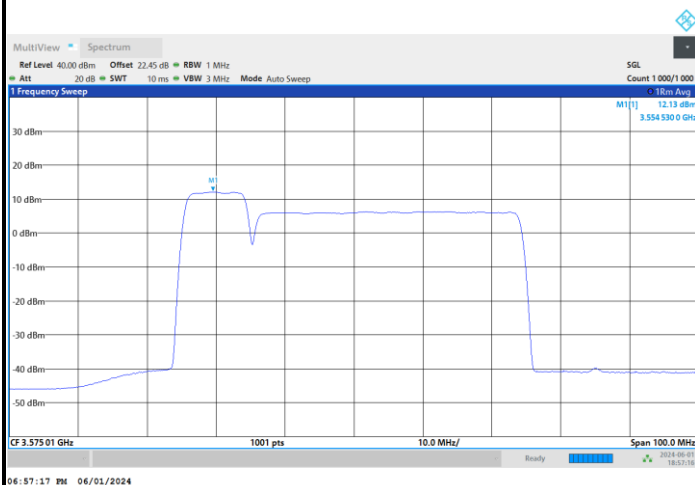
QPSK



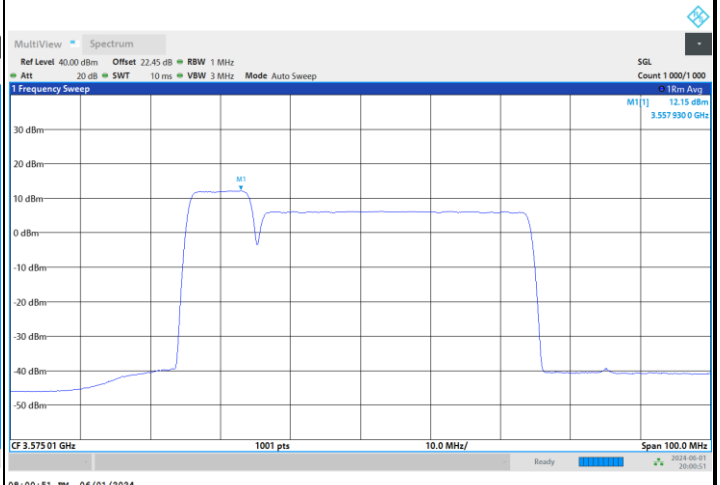
16QAM



64QAM



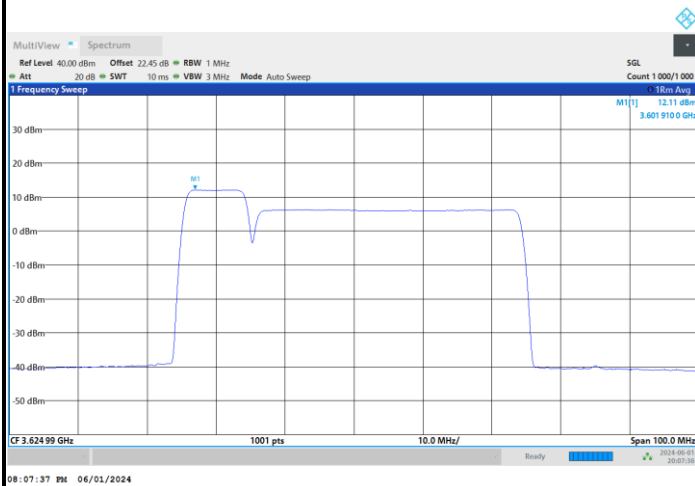
256QAM





FR1 n48 / 10MHz+40MHz / Middle Channel / PSD

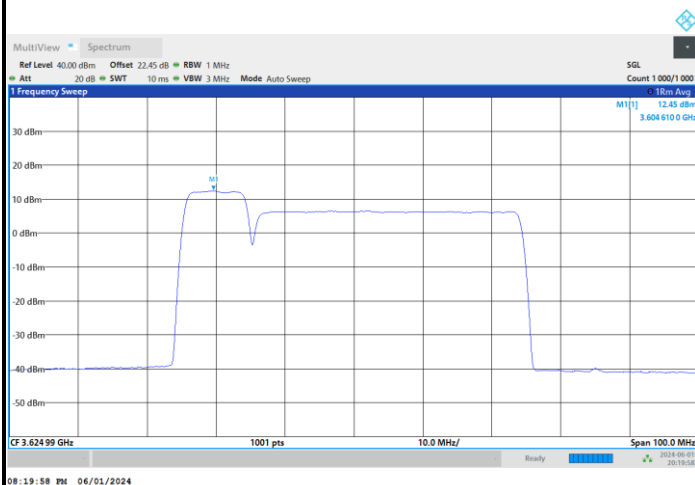
QPSK



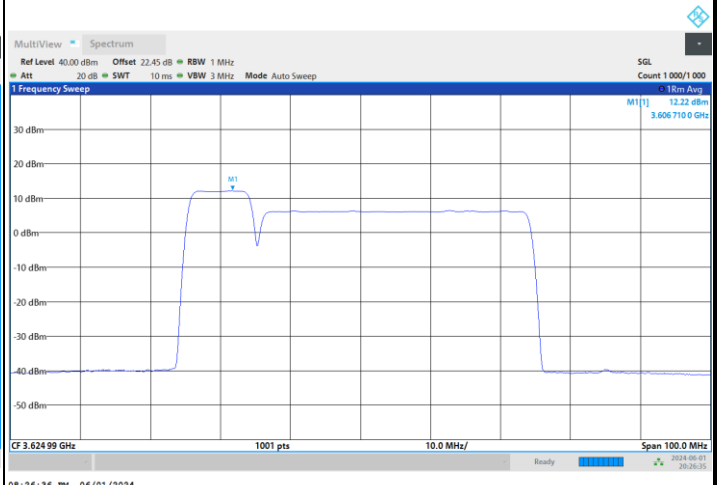
16QAM



64QAM



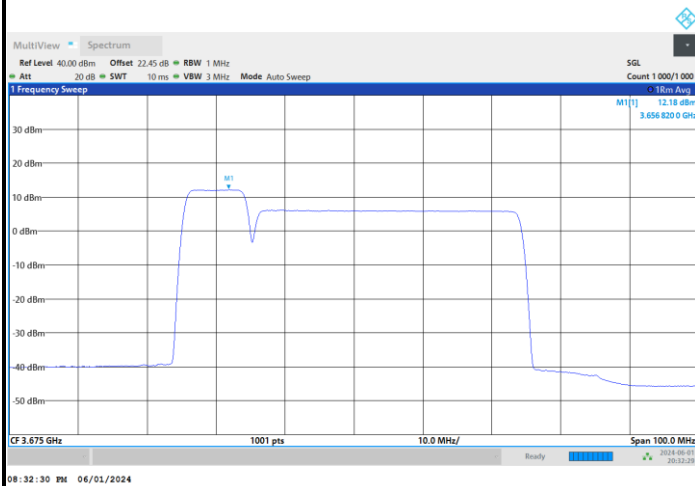
256QAM



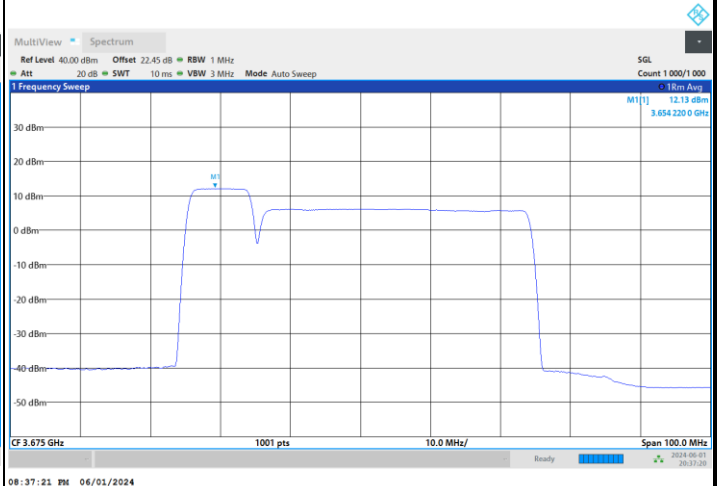


FR1 n48 / 10MHz+40MHz / Highest Channel / PSD

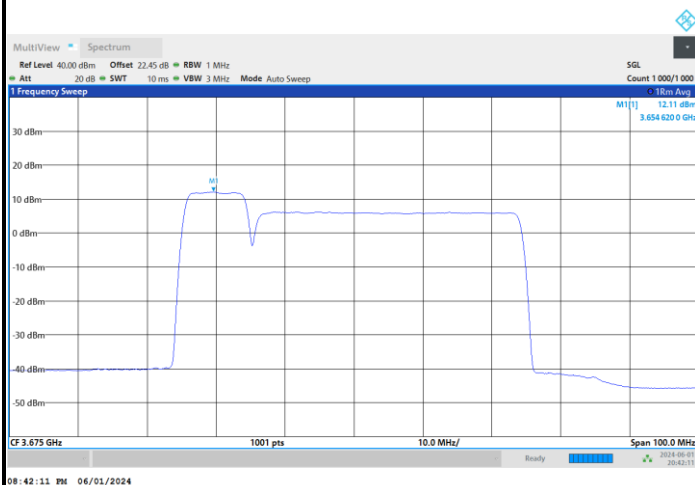
QPSK



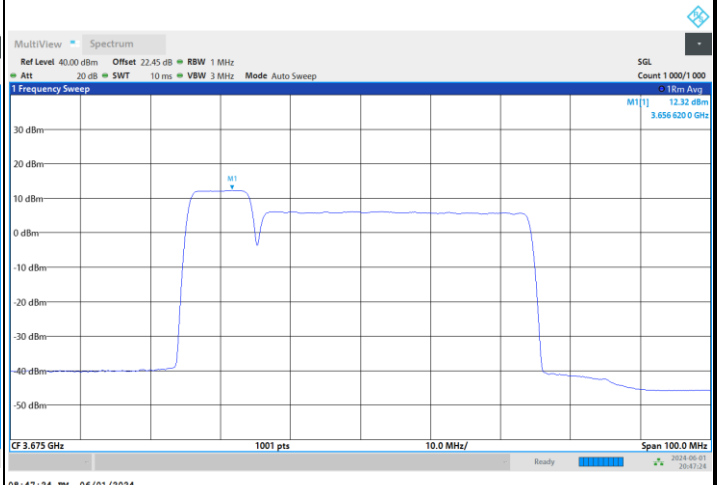
16QAM



64QAM



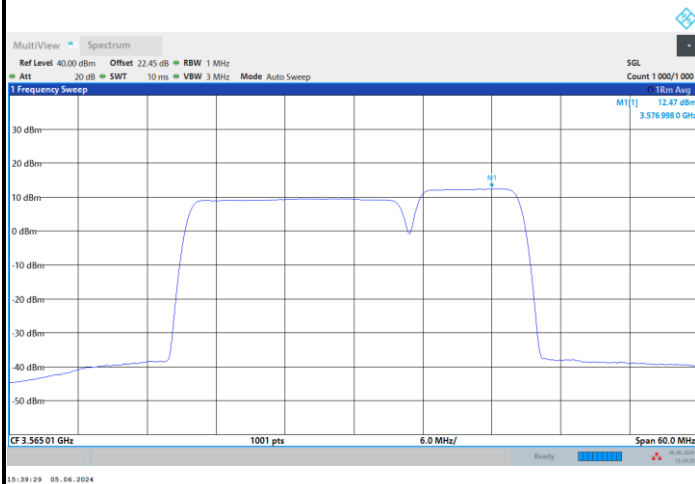
256QAM



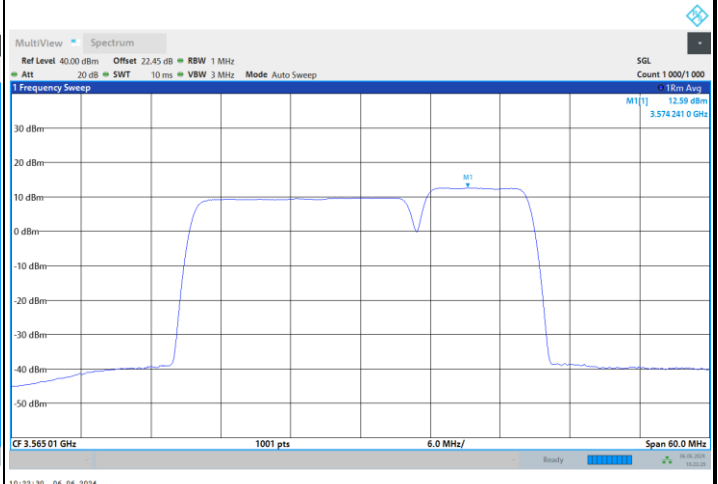


FR1 n48 / 20MHz+10MHz / Lowest Channel / PSD

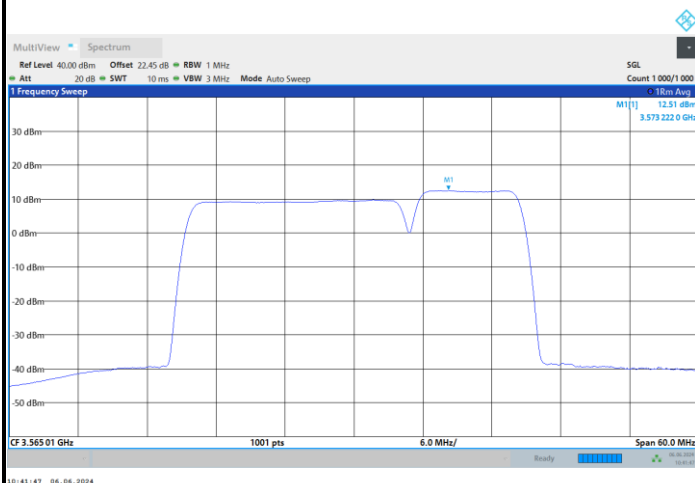
QPSK



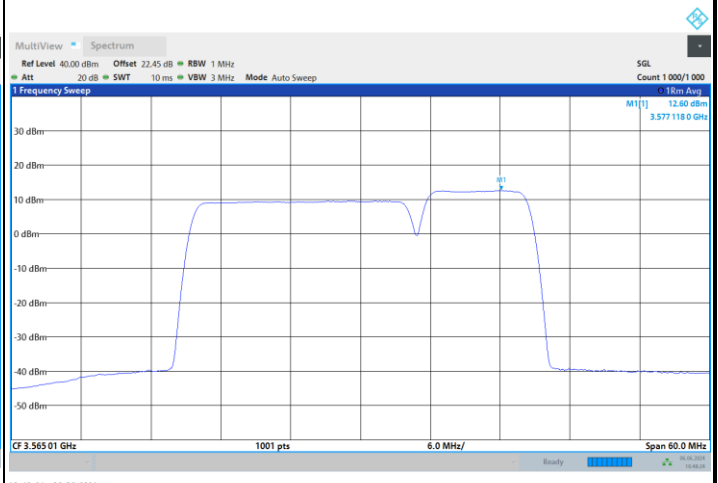
16QAM



64QAM



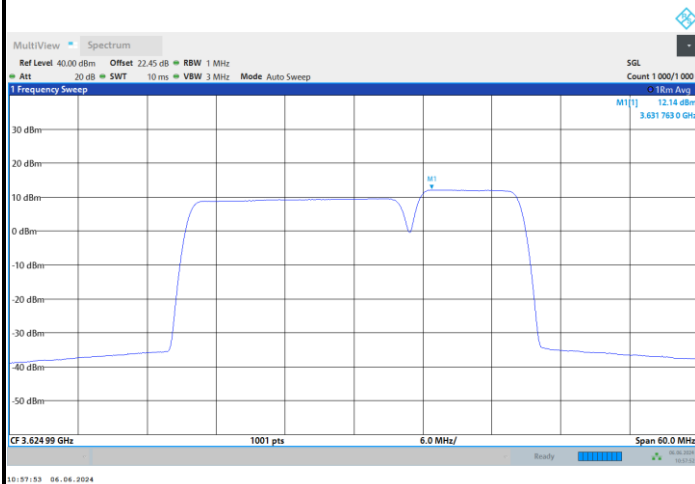
256QAM



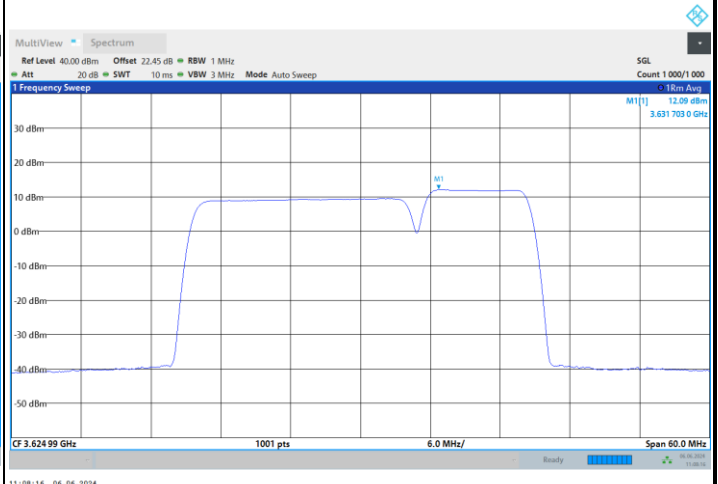


FR1 n48 / 20MHz+10MHz / Middle Channel / PSD

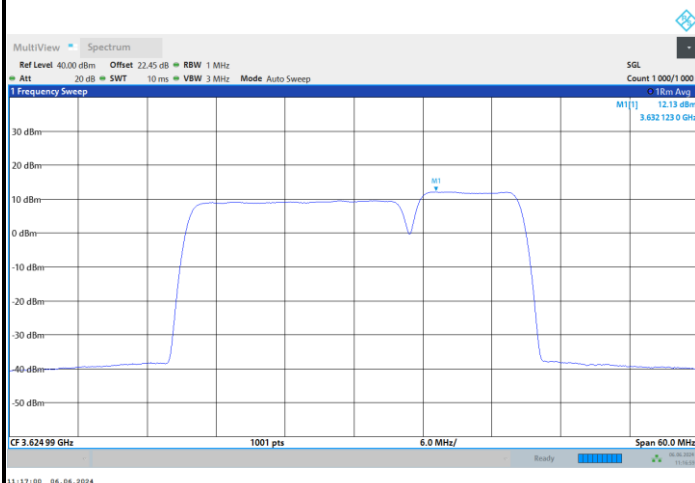
QPSK



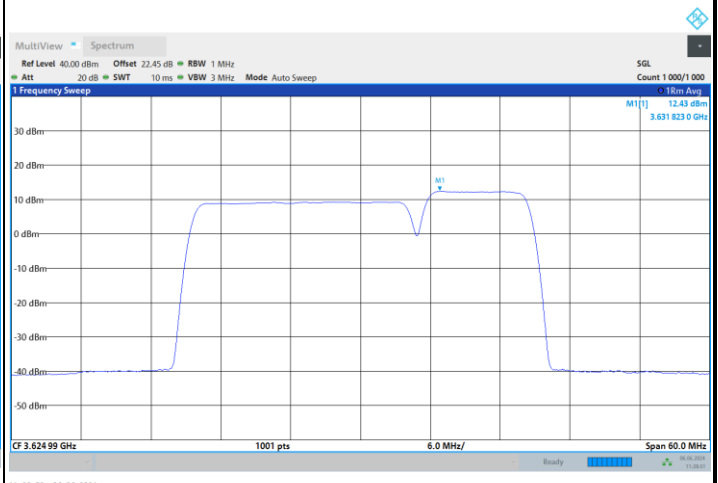
16QAM



64QAM



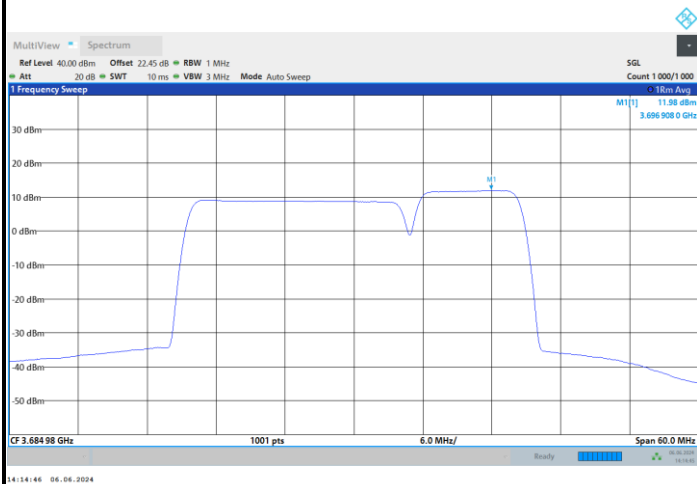
256QAM



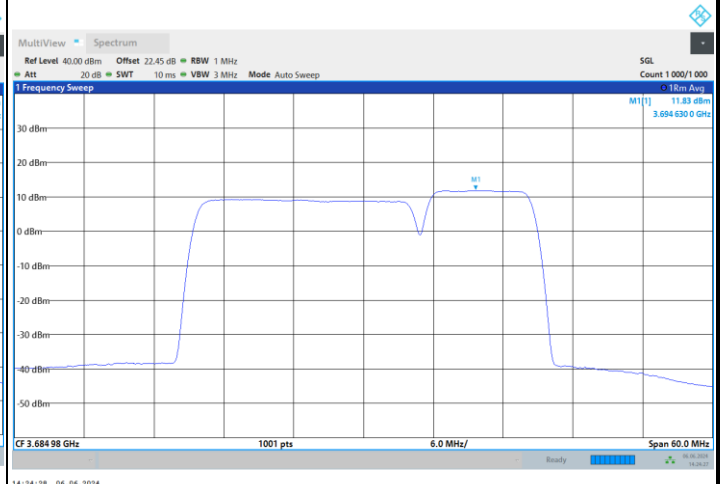


FR1 n48 / 20MHz+10MHz / Highest Channel / PSD

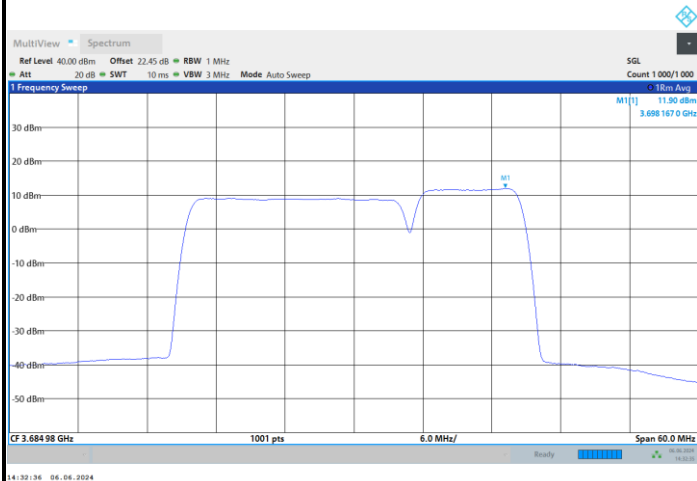
QPSK



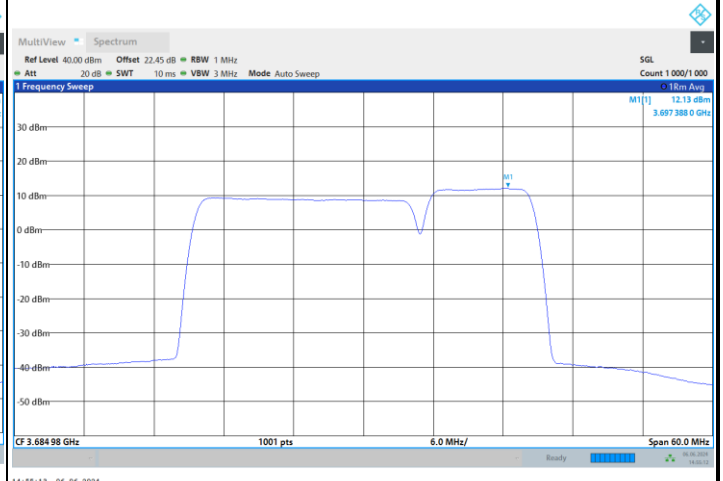
16QAM



64QAM



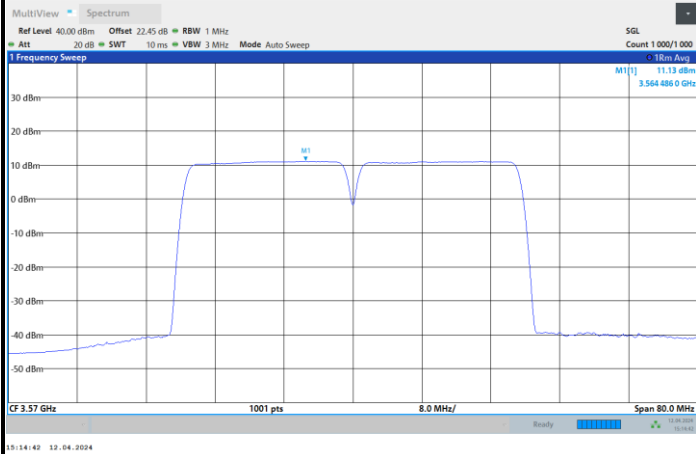
256QAM



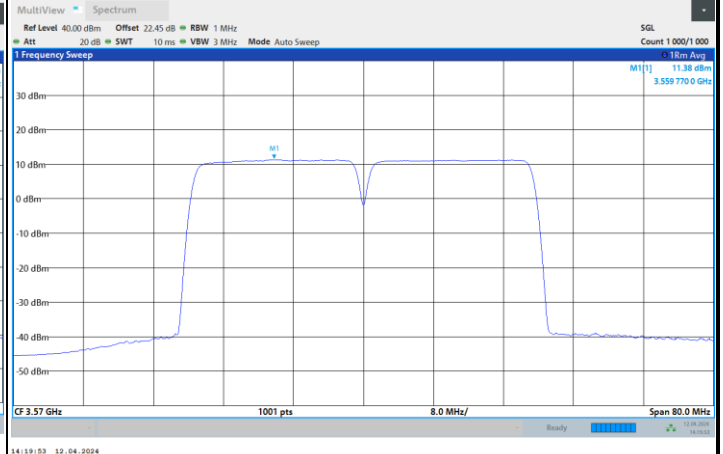


FR1 n48 / 20MHz+20MHz / Lowest Channel / PSD

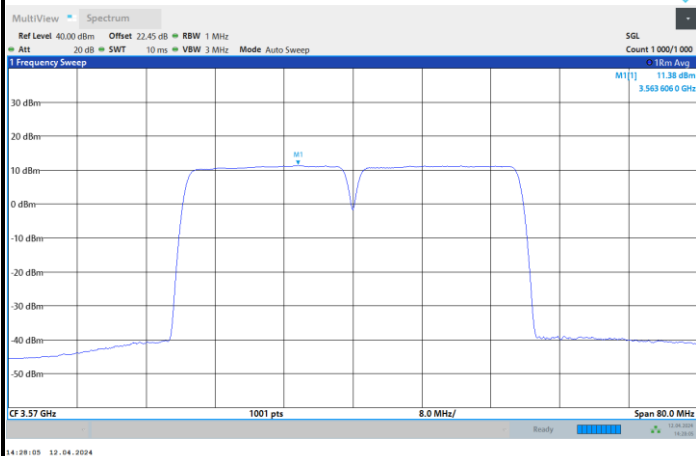
QPSK



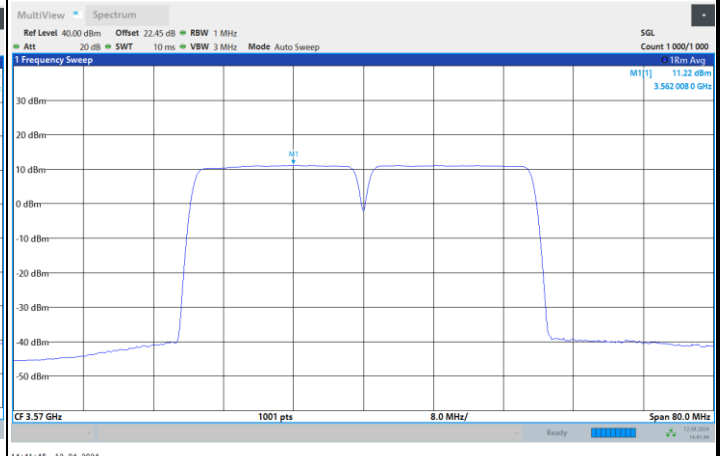
16QAM



64QAM



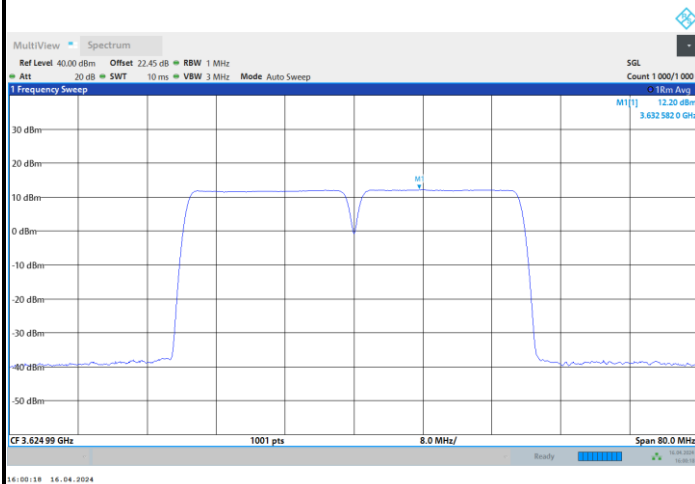
256QAM



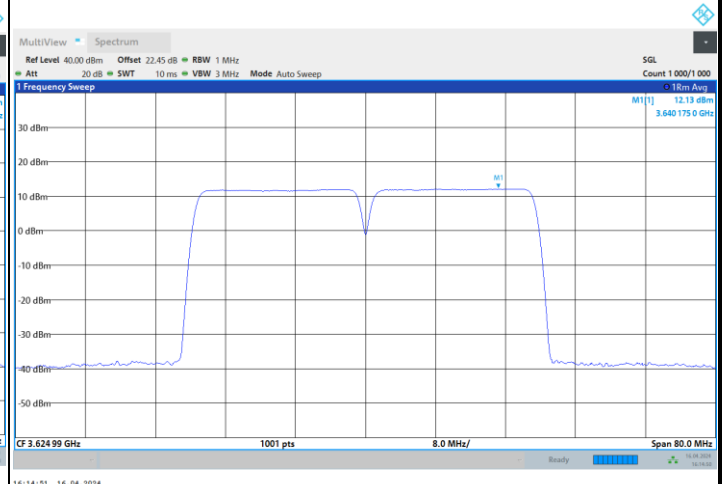


FR1 n48 / 20MHz+20MHz / Middle Channel / PSD

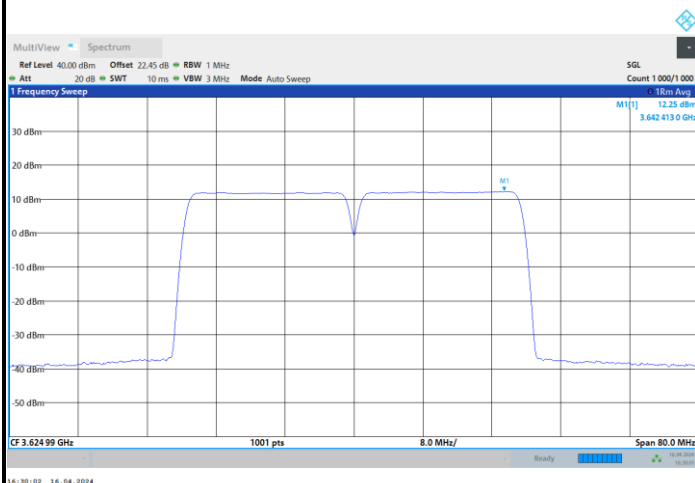
QPSK



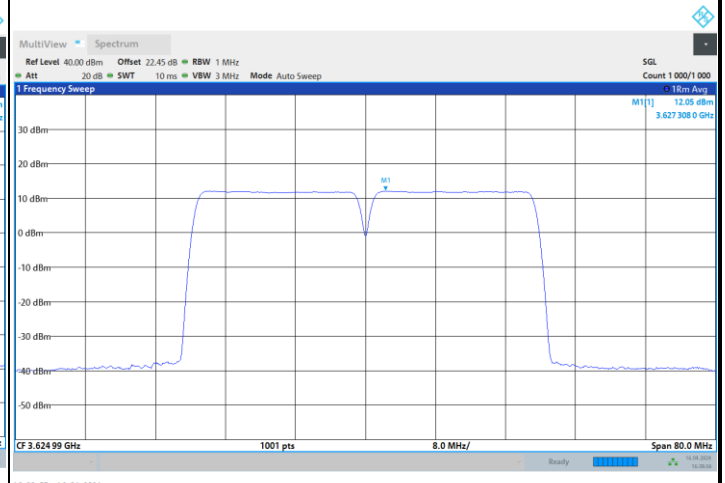
16QAM



64QAM



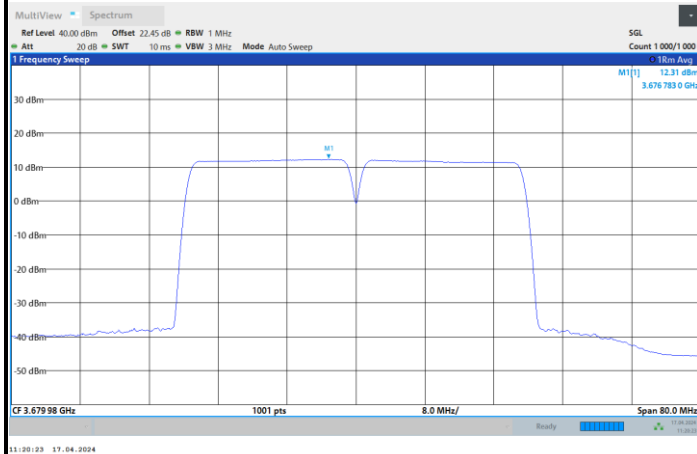
256QAM



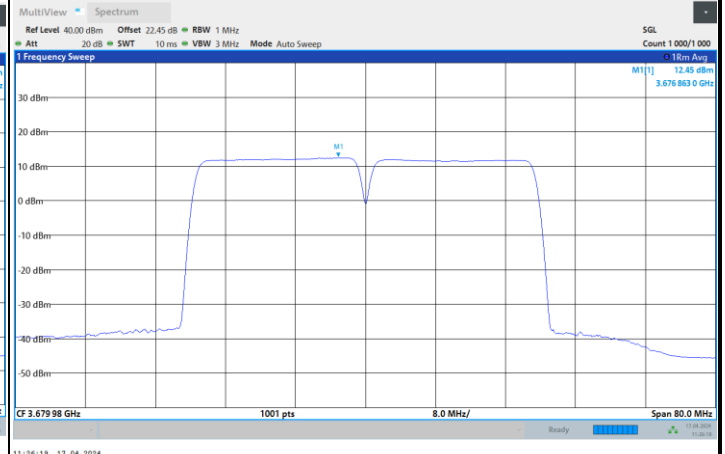


FR1 n48 / 20MHz+20MHz / Highest Channel / PSD

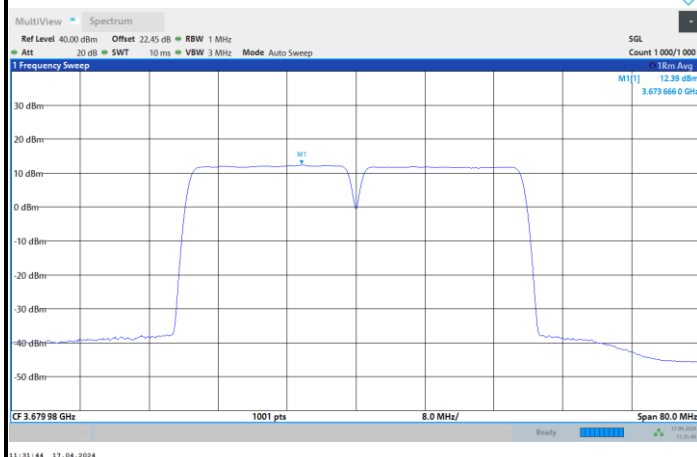
QPSK



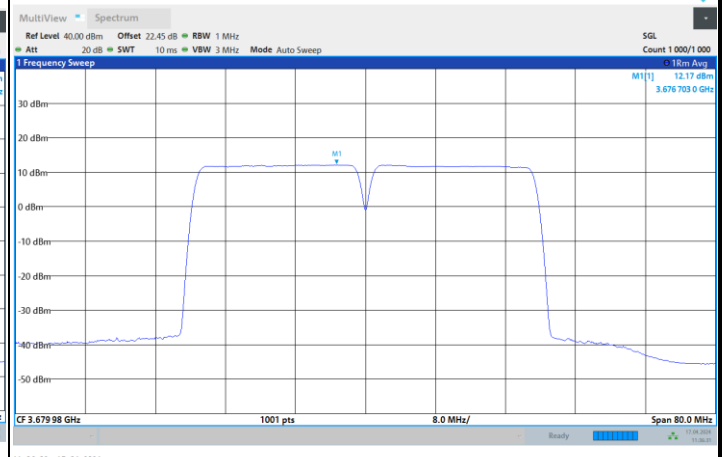
16QAM



64QAM



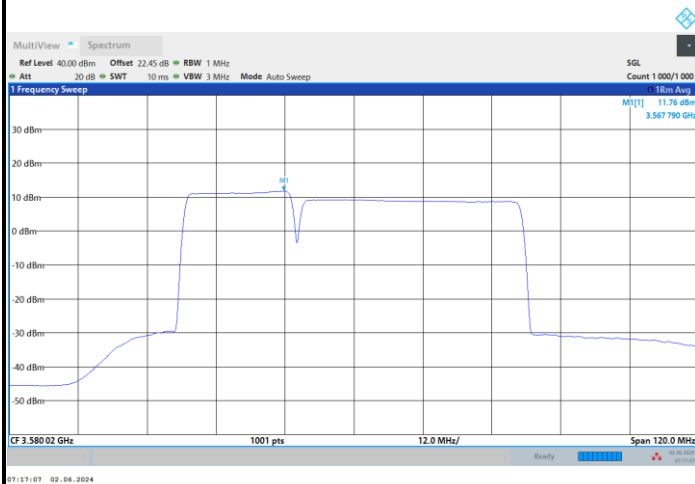
256QAM



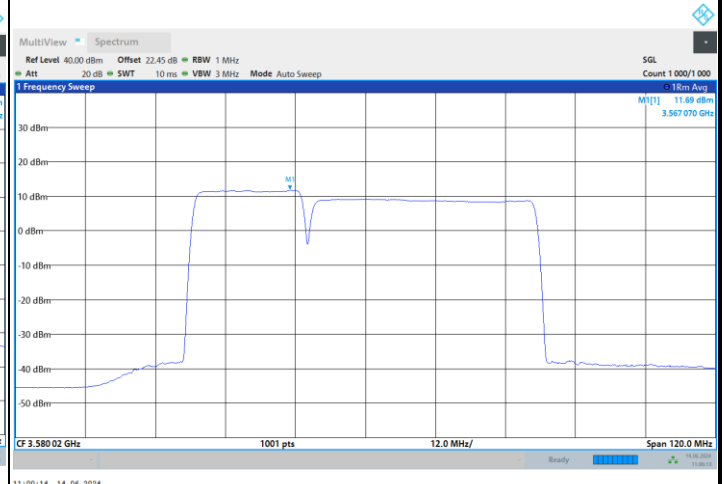


FR1 n48 / 20MHz+40MHz / Lowest Channel / PSD

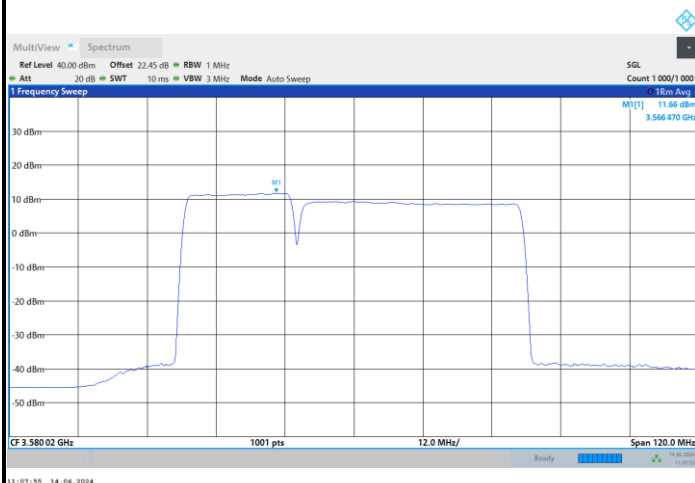
QPSK



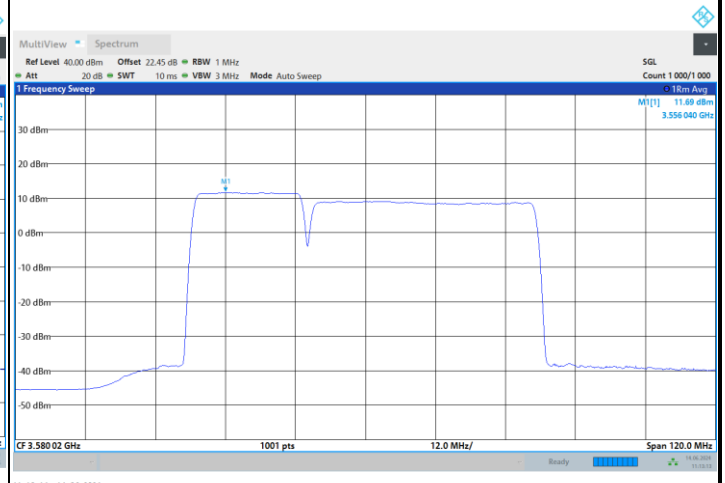
16QAM



64QAM



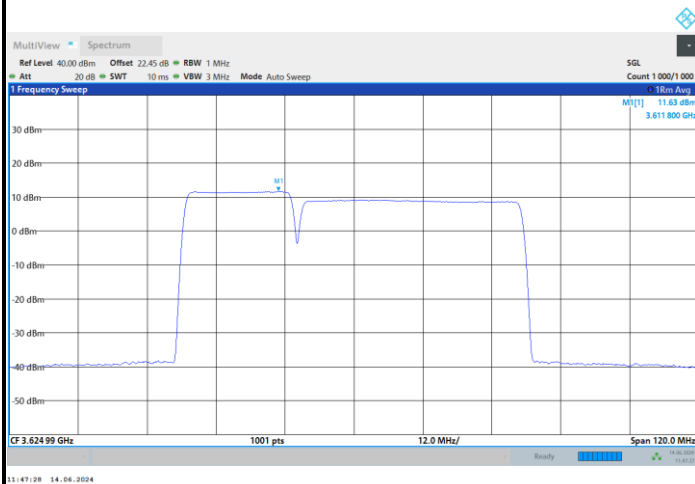
256QAM



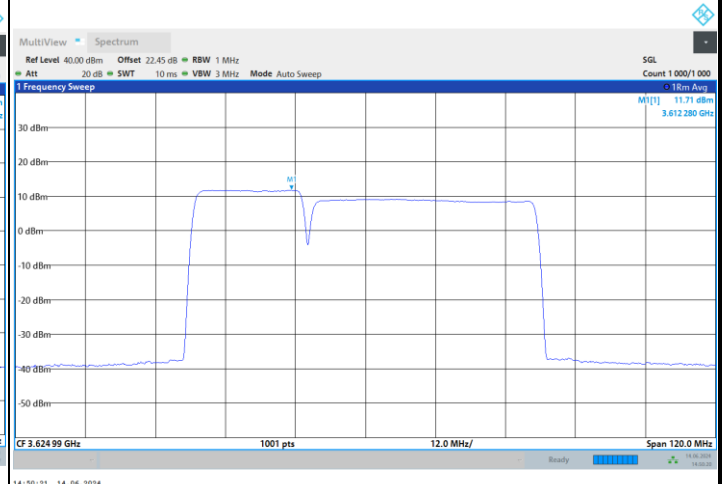


FR1 n48 / 20MHz+40MHz / Middle Channel / PSD

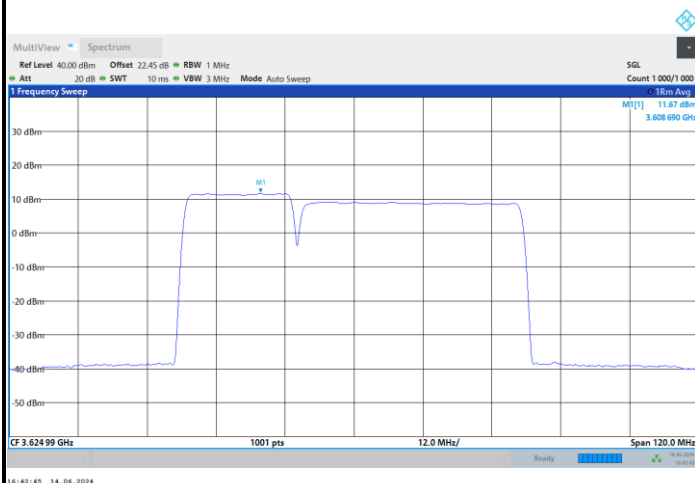
QPSK



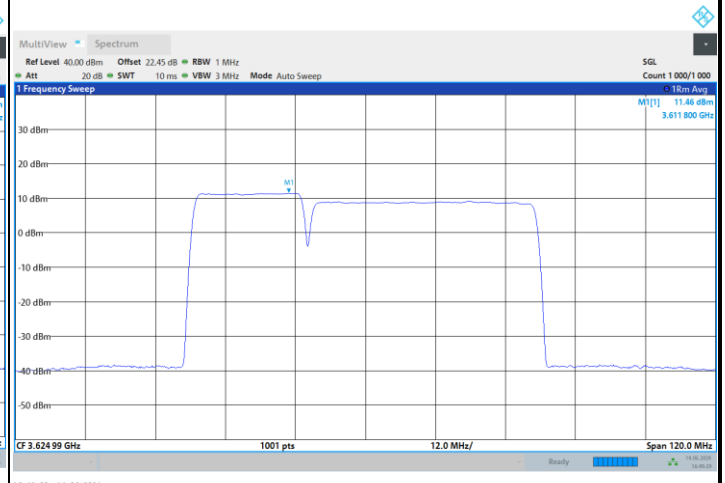
16QAM



64QAM



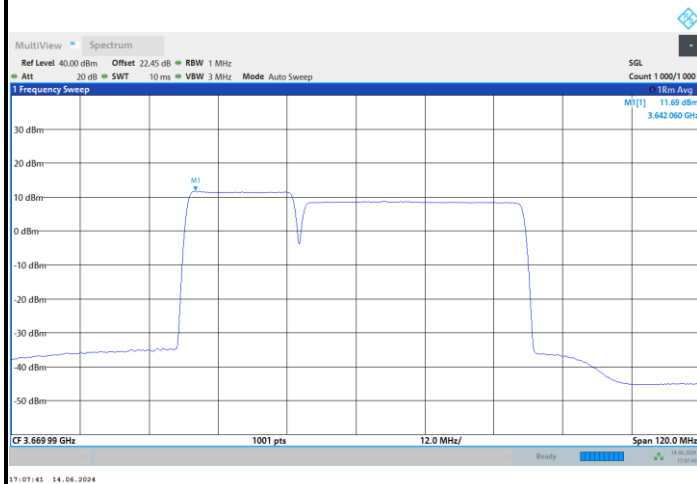
256QAM



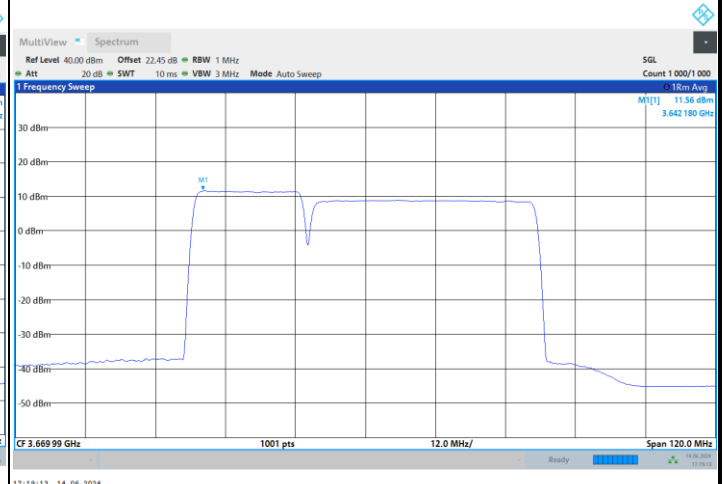


FR1 n48 / 20MHz+40MHz / Highest Channel / PSD

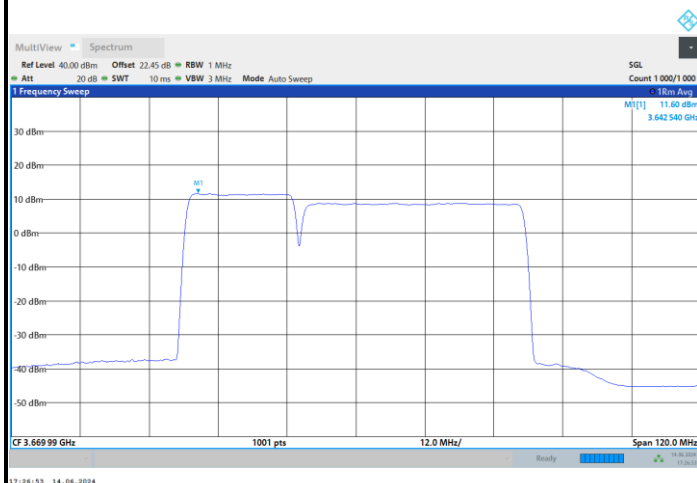
QPSK



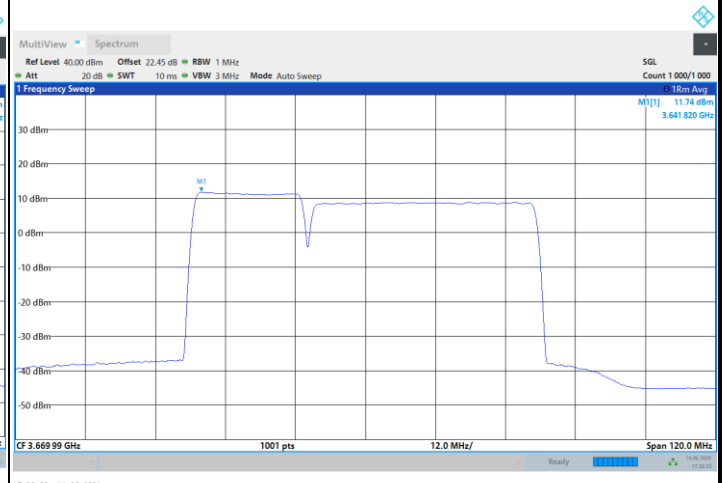
16QAM



64QAM



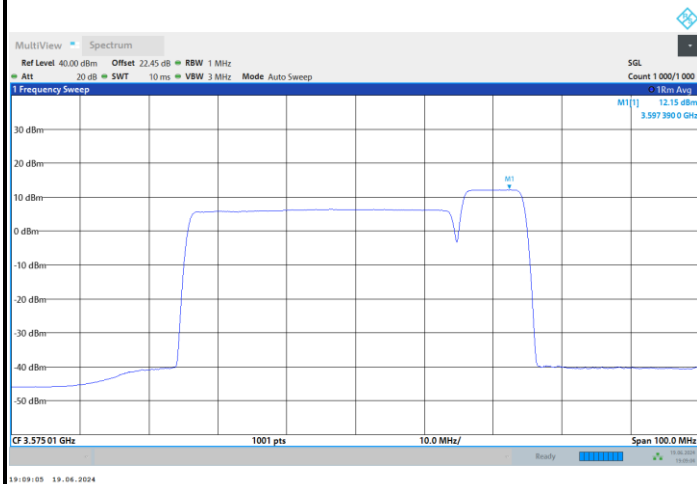
256QAM



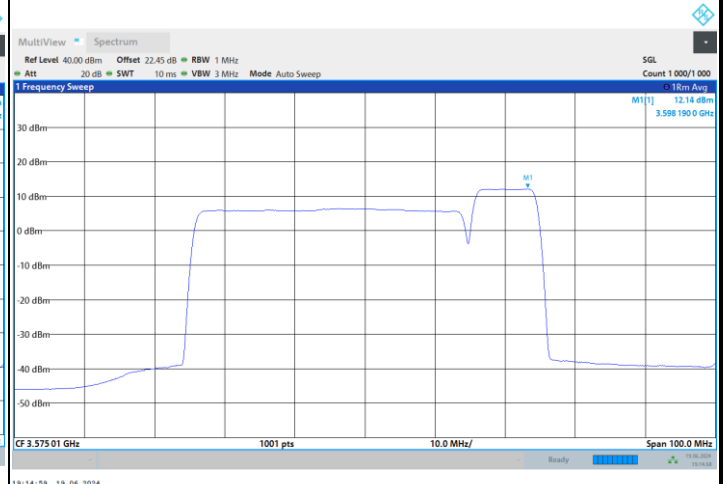


FR1 n48 / 40MHz+10MHz / Lowest Channel / PSD

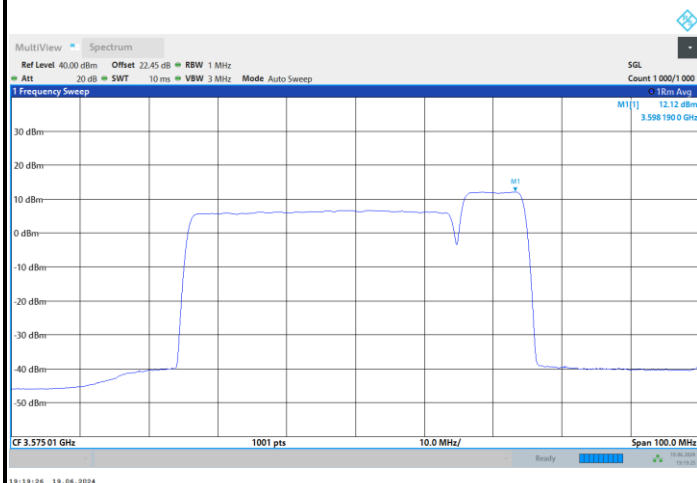
QPSK



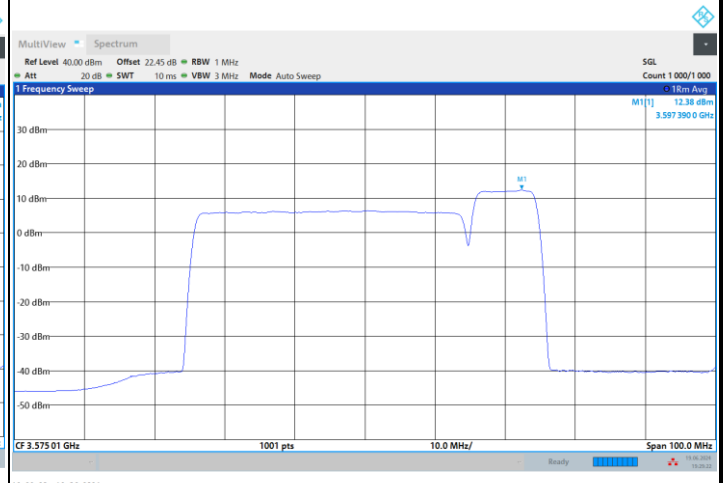
16QAM



64QAM



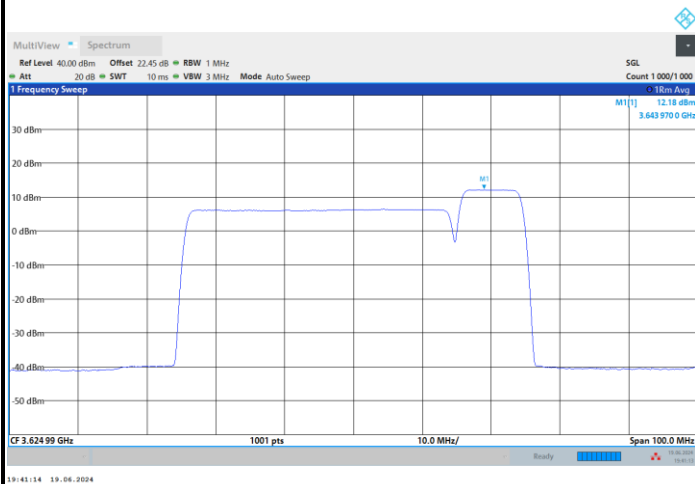
256QAM



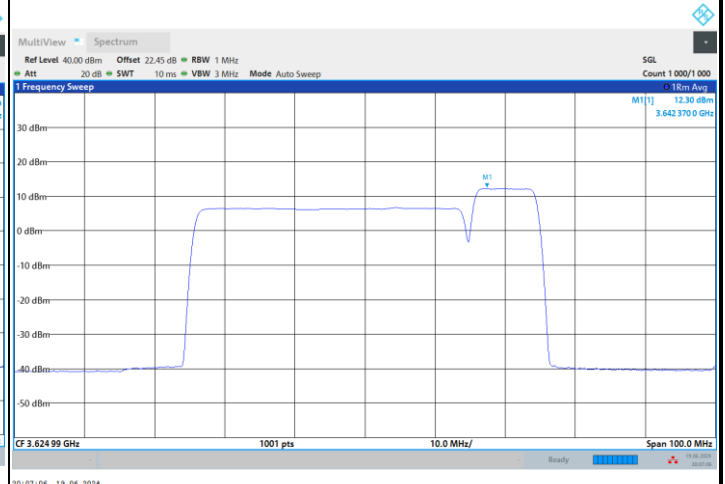


FR1 n48 / 40MHz+10MHz / Middle Channel / PSD

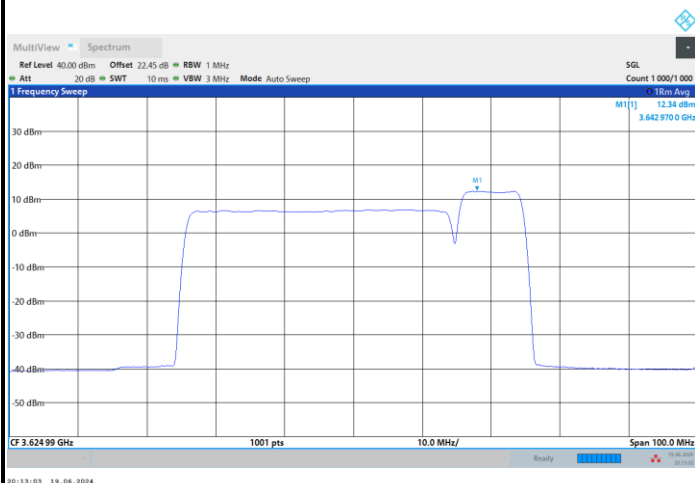
QPSK



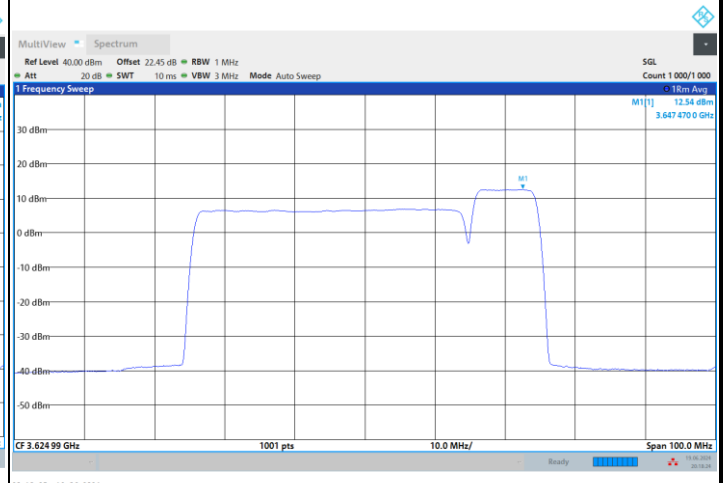
16QAM



64QAM



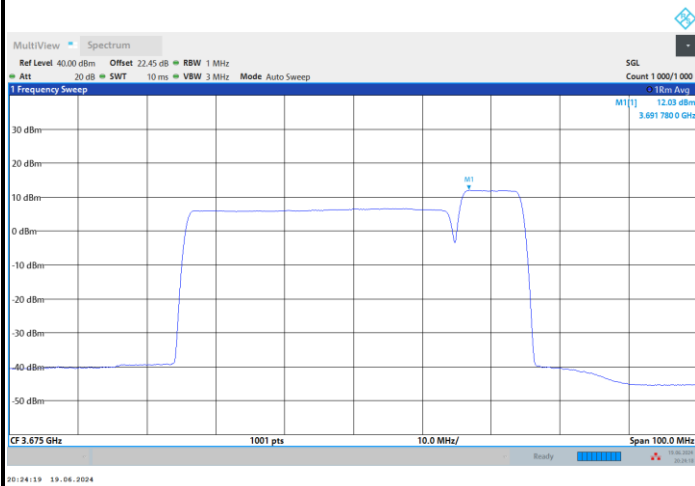
256QAM



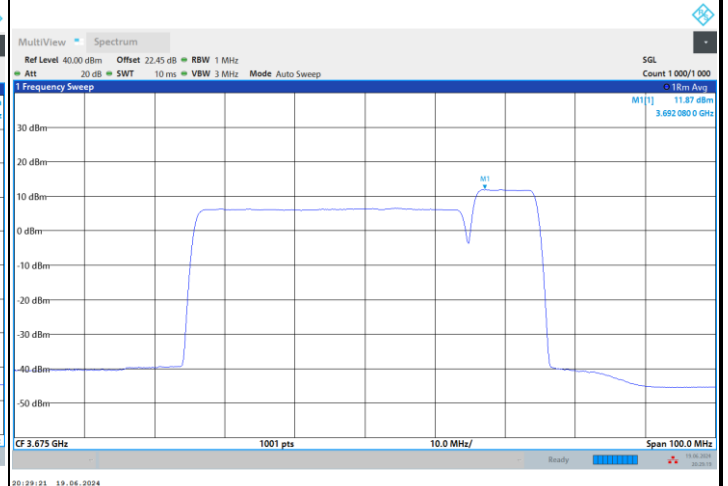


FR1 n48 / 40MHz+10MHz / Highest Channel / PSD

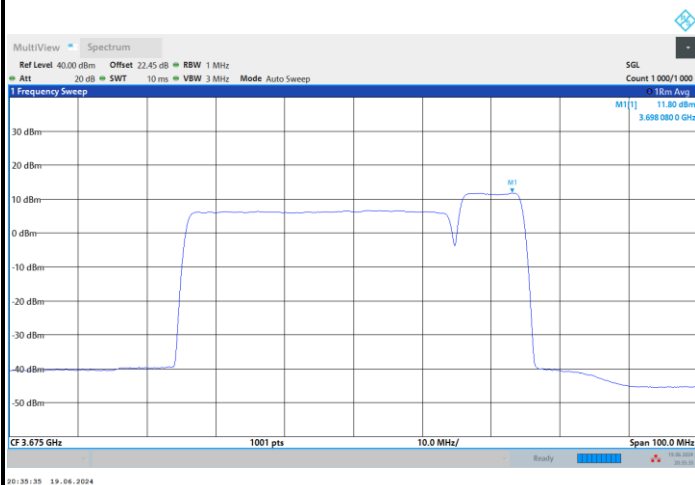
QPSK



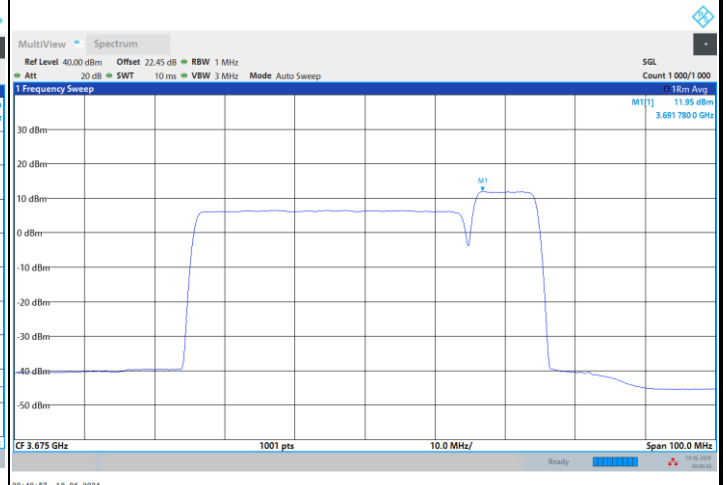
16QAM



64QAM



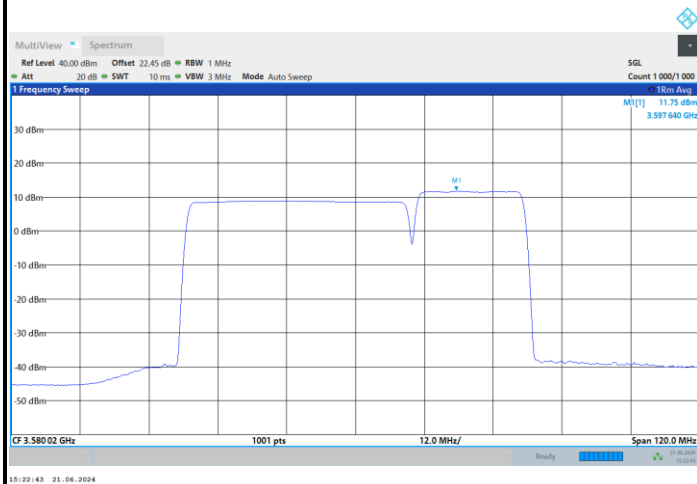
256QAM



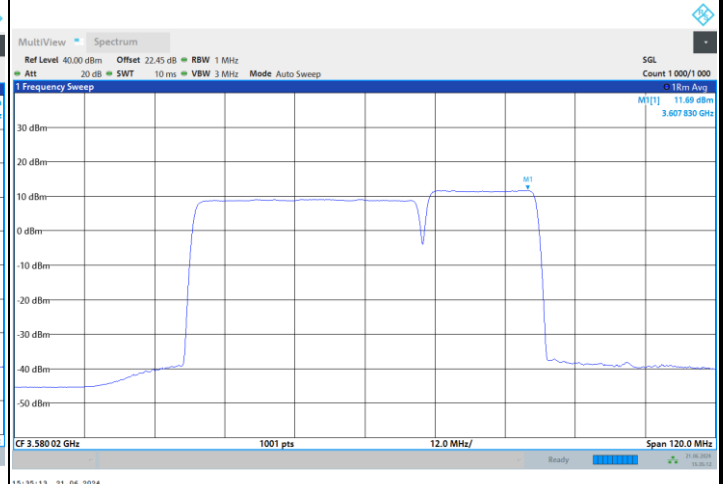


FR1 n48 / 40MHz+20MHz / Lowest Channel / PSD

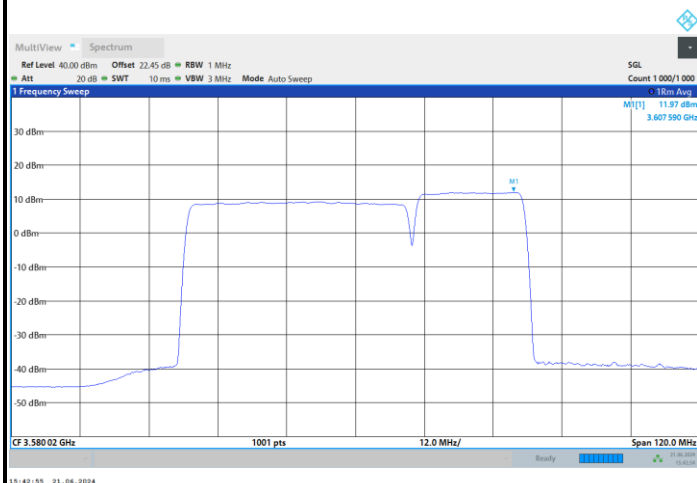
QPSK



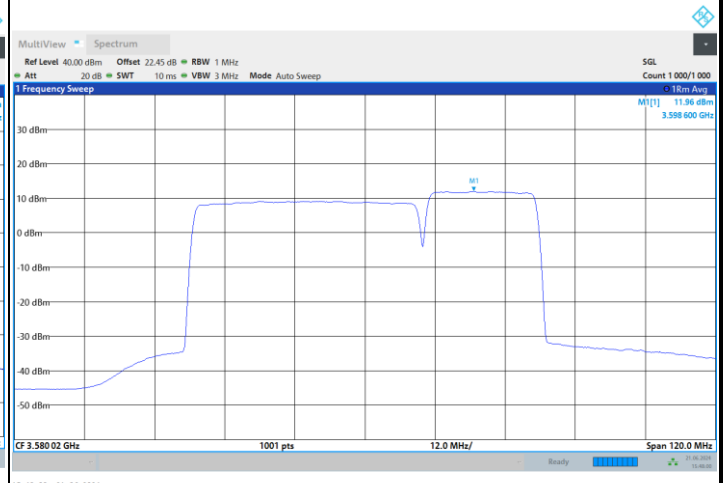
16QAM



64QAM



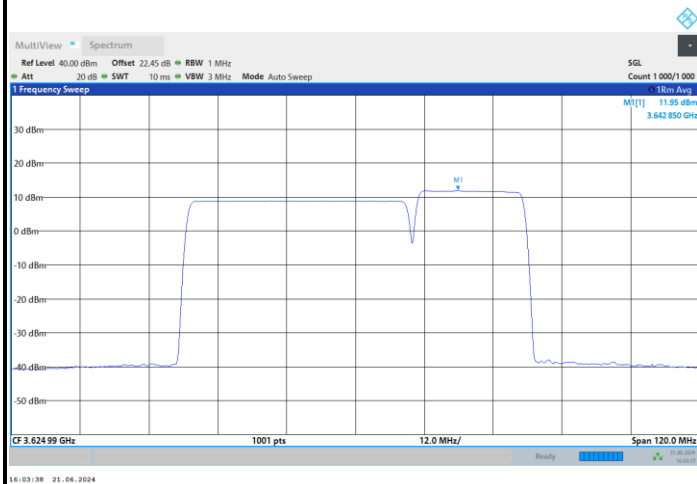
256QAM



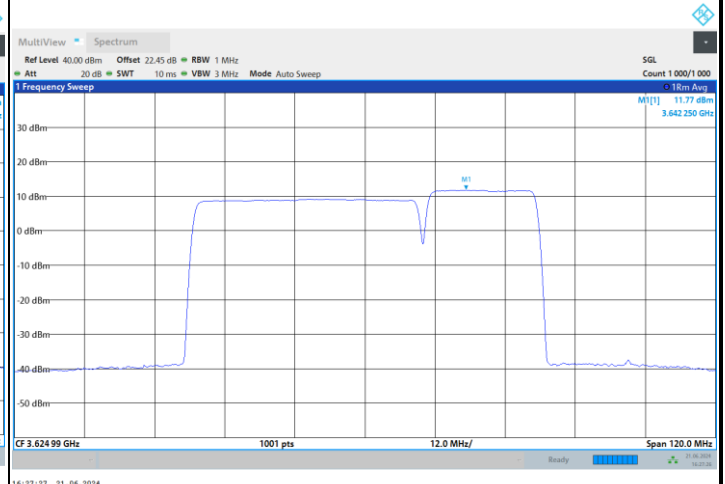


FR1 n48 / 40MHz+20MHz / Middle Channel / PSD

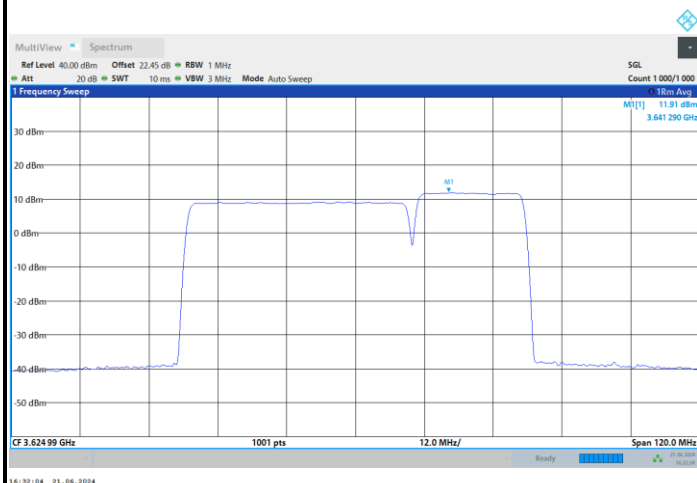
QPSK



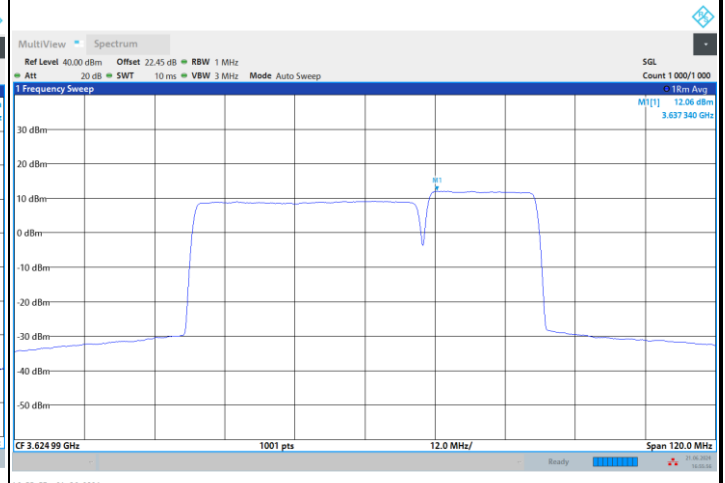
16QAM



64QAM



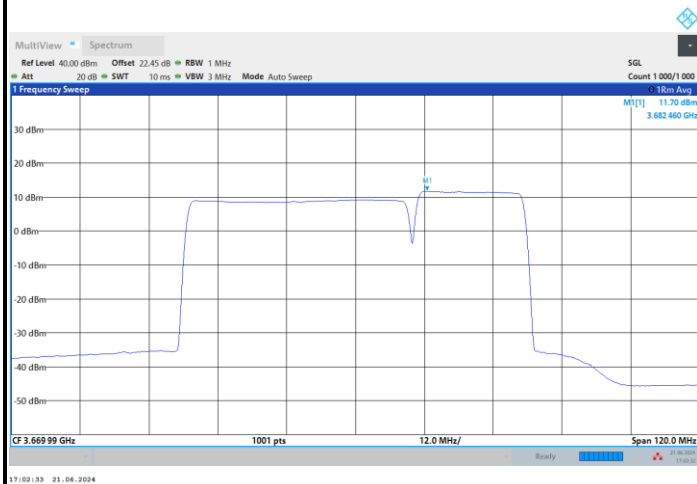
256QAM



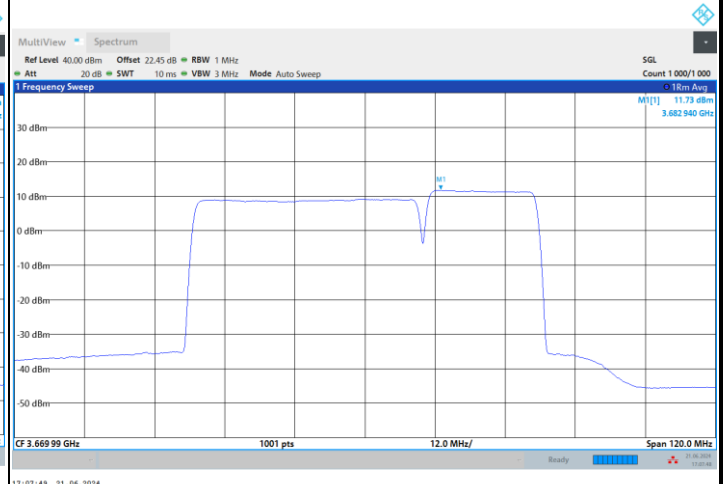


FR1 n48 / 40MHz+20MHz / Highest Channel / PSD

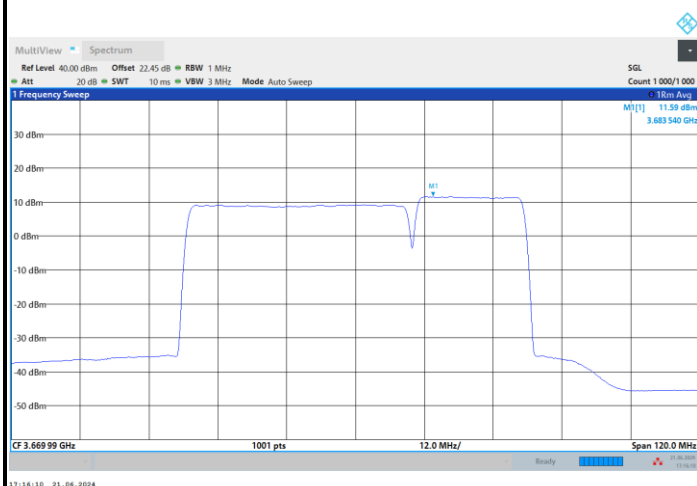
QPSK



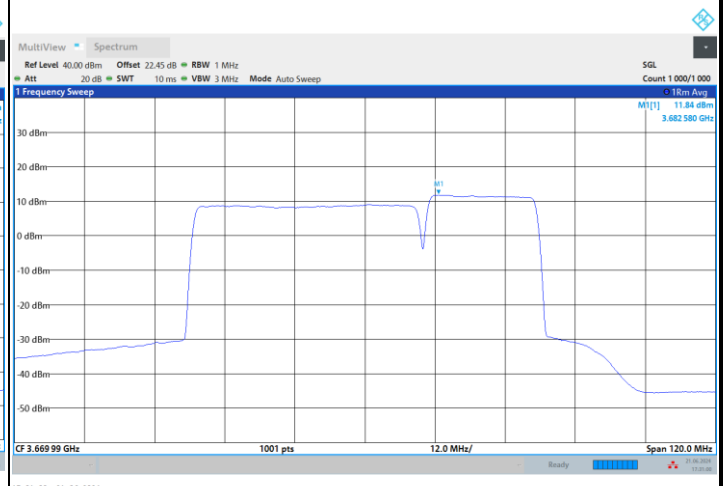
16QAM



64QAM



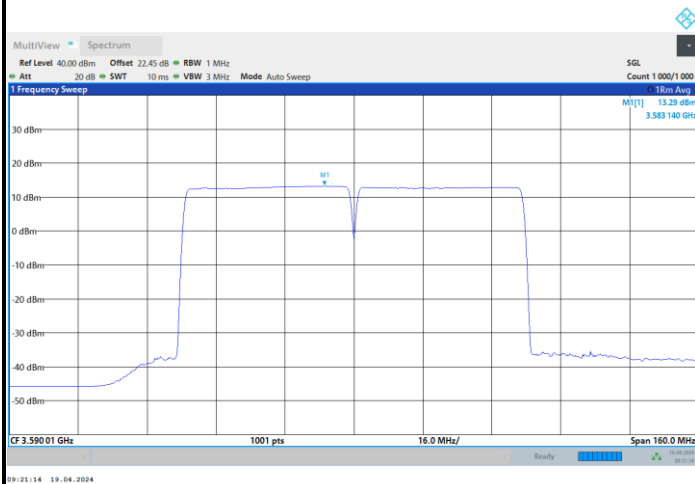
256QAM



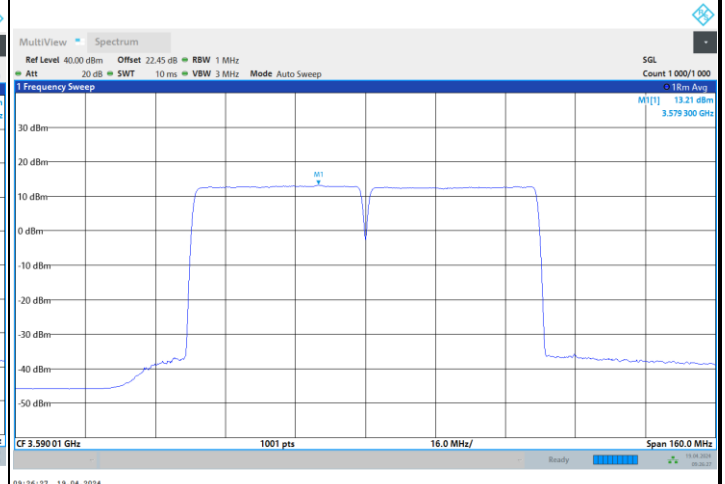


FR1 n48 / 40MHz+40MHz / Lowest Channel / PSD

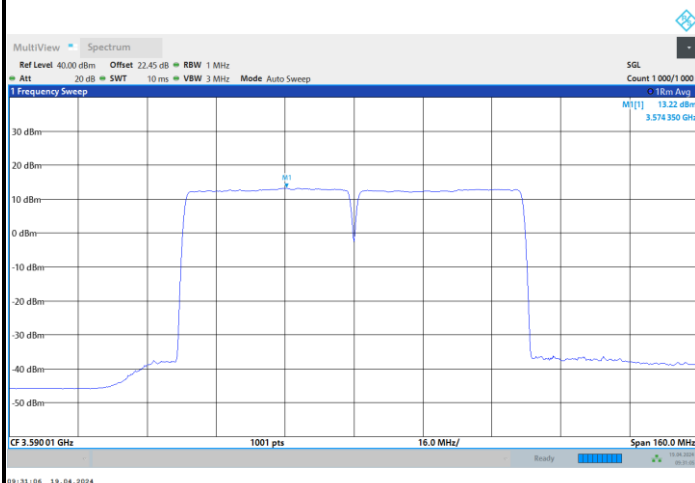
QPSK



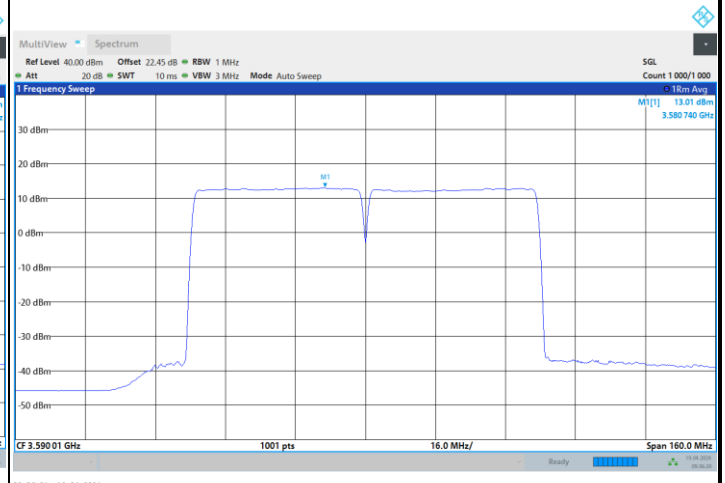
16QAM



64QAM



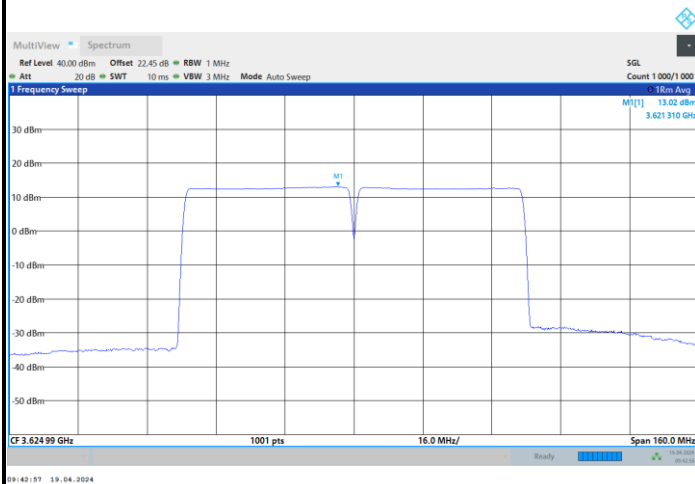
256QAM



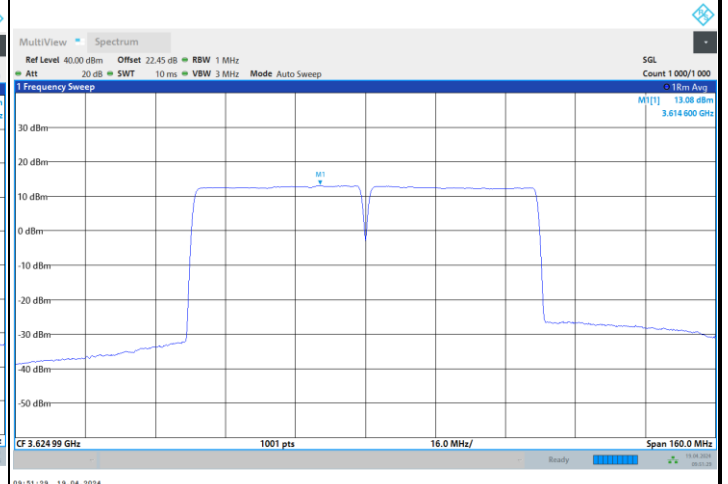


FR1 n48 / 40MHz+40MHz / Middle Channel / PSD

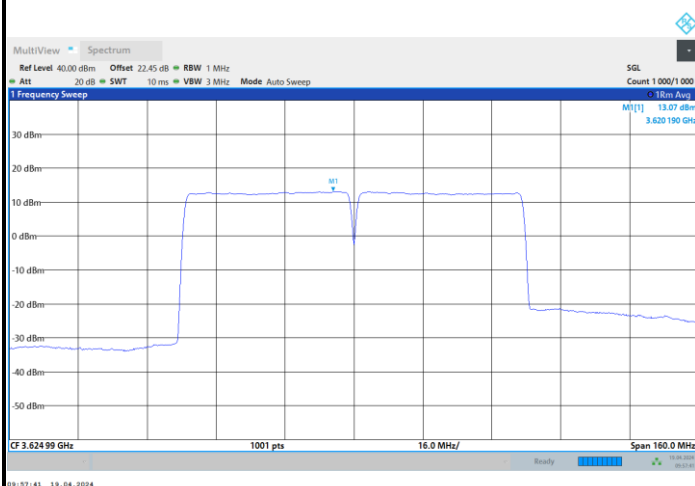
QPSK



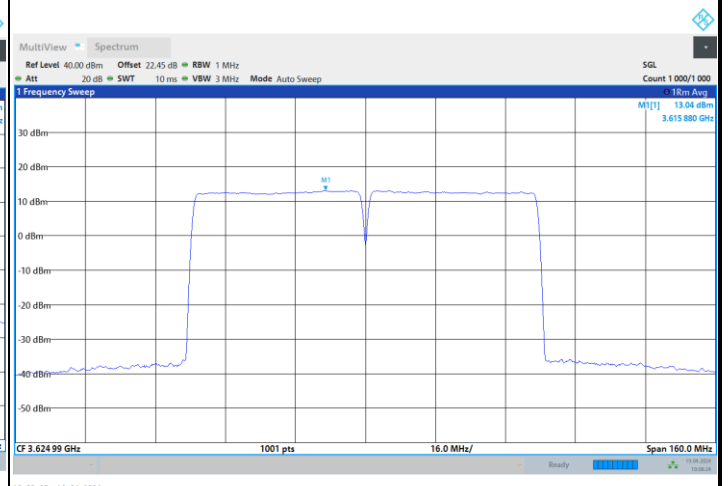
16QAM



64QAM



256QAM





FR1 n48 / 40MHz+40MHz / Highest Channel / PSD

Modulation	Modulation Type	Modulation Order
QPSK	QPSK	2
16QAM	16QAM	4
64QAM	64QAM	6
256QAM	256QAM	8

The figure displays four spectral plots comparing the Power Spectral Density (PSD) for different modulation schemes: QPSK, 16QAM, 64QAM, and 256QAM. Each plot shows the frequency spectrum from 3.66 GHz to 3.664 GHz, with a span of 160.0 MHz. The y-axis represents power in dBm, ranging from -50 dBm to 30 dBm. The x-axis represents frequency in MHz, with a center frequency (CF) of 3.66 GHz. The plots show a clear signal band between approximately 3.661 GHz and 3.663 GHz, with a significant drop in power outside this band. The signal level is consistently around 12.5 dBm across all modulation schemes. The plots are generated using a spectrum analyzer with the following settings: MultiView, Spectrum, Ref Level 40.00 dBm, Offset 22.45 dB, RBW 1 MHz, Att 20 dB, SWT 10 ms, VBW 3 MHz, Mode Auto Sweep, SGL Count 1 000/1 000, and 18m Avg. The plots are labeled with their respective modulation types and the highest channel (FR1 n48) and bandwidth (40MHz+40MHz) settings.

QPSK

16QAM

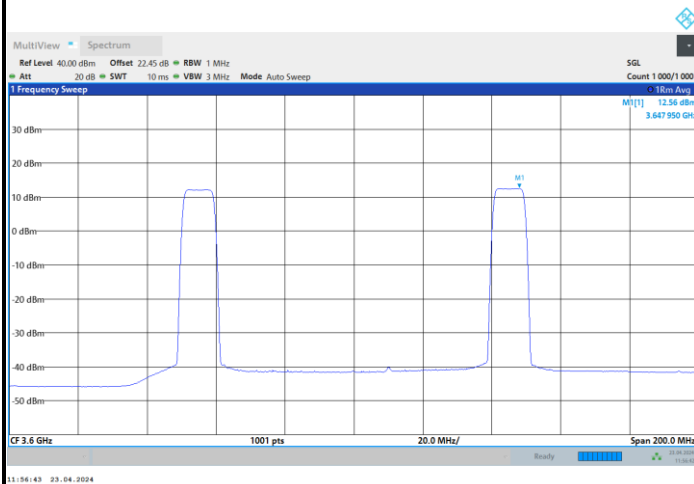
64QAM

256QAM

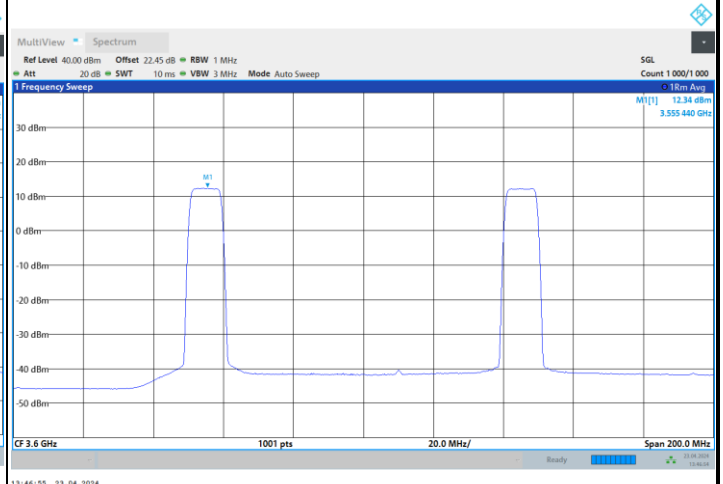


FR1 n48 / 10MHz+10MHz (Non Contiguous) / Lowest Channel / PSD

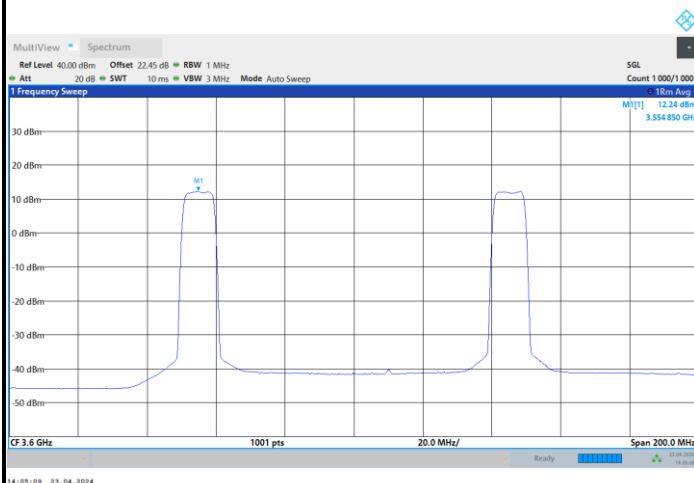
QPSK



16QAM



64QAM



256QAM

